

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025273.D
 Acq On : 09 Jul 2018 14:54
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:41:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235872	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	126242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	50998	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
35) Dibromofluoromethane	4.89	113	41068	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
50) Toluene-d8	7.57	98	137953	20.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.50%	
62) 4-Bromofluorobenzene	10.31	95	52421	19.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	31409	19.11	ug/l	99
3) Chloromethane	1.33	50	33380	17.94	ug/l	97
4) Vinyl Chloride	1.40	62	33565	18.58	ug/l	100
5) Bromomethane	1.63	94	23862	18.08	ug/l	94
6) Chloroethane	1.70	64	22530	17.90	ug/l	100
7) Trichlorofluoromethane	1.89	101	54554	19.22	ug/l	98
8) Diethyl Ether	2.10	74	20583	19.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	33590	19.09	ug/l	99
10) Methyl Iodide	2.41	142	27898	16.41	ug/l	97
11) Tert butyl alcohol	2.82	59	54972	90.88	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31113	19.32	ug/l	95
13) Acrolein	2.19	56	37684	100.32	ug/l	92
14) Allyl chloride	2.59	41	53273	18.24	ug/l	99
15) Acrylonitrile	2.94	53	107036	96.70	ug/l	98
16) Acetone	2.32	43	132560	99.47	ug/l	100
17) Carbon Disulfide	2.48	76	86809	17.40	ug/l	99
18) Methyl Acetate	2.62	43	49834	19.72	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	116877	19.08	ug/l	99
20) Methylene Chloride	2.70	84	37007	16.90	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	34030	18.49	ug/l	96
22) Diisopropyl ether	3.57	45	113345	19.01	ug/l	96
23) Vinyl Acetate	3.53	43	505390	96.61	ug/l	100
24) 1,1-Dichloroethane	3.45	63	66023	19.63	ug/l	100
25) 2-Butanone	4.26	43	170338	99.58	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61125	18.90	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	39268	18.44	ug/l	97
28) Bromochloromethane	4.55	49	38256	23.56	ug/l	98
29) Tetrahydrofuran	4.63	42	100291	97.75	ug/l	98
30) Chloroform	4.68	83	67875	19.06	ug/l	96
31) Cyclohexane	5.00	56	60333	16.15	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	62383	19.33	ug/l	100
36) 1,1-Dichloropropene	5.14	75	48264	18.41	ug/l	98
37) Ethyl Acetate	4.38	43	59064	20.20	ug/l	99
38) Carbon Tetrachloride	5.14	117	53627	19.00	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025273.D
 Acq On : 09 Jul 2018 14:54
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:41:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61921	18.93	ug/l	95
40) Benzene	5.39	78	144322	19.10	ug/l	96
41) Methacrylonitrile	4.54	41	31548	19.46	ug/l	99
42) 1,2-Dichloroethane	5.41	62	60166	20.03	ug/l	99
43) Isopropyl Acetate	5.55	43	91408	19.52	ug/l	99
44) Trichloroethene	6.19	130	39622	18.26	ug/l	99
45) 1,2-Dichloropropane	6.44	63	37539	18.97	ug/l	100
46) Dibromomethane	6.56	93	27116	18.83	ug/l	99
47) Bromodichloromethane	6.76	83	50908	19.03	ug/l	97
48) Methyl methacrylate	6.62	41	45453	19.47	ug/l	98
49) 1,4-Dioxane	6.62	88	23487	418.09	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	296891	97.54	ug/l	100
52) Toluene	7.64	92	90886	18.90	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	54391	18.50	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	58586	18.72	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	37912	18.93	ug/l	98
56) Ethyl methacrylate	8.02	69	58586	18.73	ug/l	98
57) 1,3-Dichloropropane	8.25	76	62807	18.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	134513	121.89	ug/l	99
59) 2-Hexanone	8.36	43	240355	97.35	ug/l	99
60) Dibromochloromethane	8.48	129	40134	18.56	ug/l	98
61) 1,2-Dibromoethane	8.59	107	41001	19.14	ug/l	100
64) Tetrachloroethene	8.23	164	38824	19.39	ug/l	97
65) Chlorobenzene	9.12	112	102538	18.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	38144	19.44	ug/l	99
67) Ethyl Benzene	9.25	91	176731	18.90	ug/l	98
68) m/p-Xylenes	9.38	106	137789	38.11	ug/l	98
69) o-Xylene	9.78	106	67796	18.73	ug/l	95
70) Styrene	9.80	104	106278	18.48	ug/l	99
71) Bromoform	9.96	173	31099	18.32	ug/l #	98
73) Isopropylbenzene	10.17	105	184694	19.15	ug/l	99
74) N-amyl acetate	10.01	43	76476	18.26	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	61480	19.48	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	55600m	19.52	ug/l	
77) Bromobenzene	10.46	156	46424	18.81	ug/l	99
78) n-propylbenzene	10.59	91	206450	19.29	ug/l	100
79) 2-Chlorotoluene	10.66	91	125647	18.76	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	160169	19.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	19621m	18.92	ug/l	
82) 4-Chlorotoluene	10.78	91	141713	18.70	ug/l	99
83) tert-Butylbenzene	11.10	119	158862	19.37	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	159929	19.23	ug/l	98
85) sec-Butylbenzene	11.33	105	190742	19.75	ug/l	100
86) p-Isopropyltoluene	11.48	119	168779	19.74	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	83939	18.61	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	83087	17.94	ug/l	95
89) n-Butylbenzene	11.89	91	135150	19.23	ug/l	99
90) Hexachloroethane	12.15	117	28262	19.52	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	84997	18.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15620	20.41	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
Data File : VU025273.D
Acq On : 09 Jul 2018 14:54
Operator : MD/SY
Sample : VSTDICC020
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:41:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 01:16:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	52255	17.51	ug/l	99
94) Hexachlorobutadiene	13.70	225	31073	19.08	ug/l	99
95) Naphthalene	13.75	128	160491	15.63	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54970	17.08	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

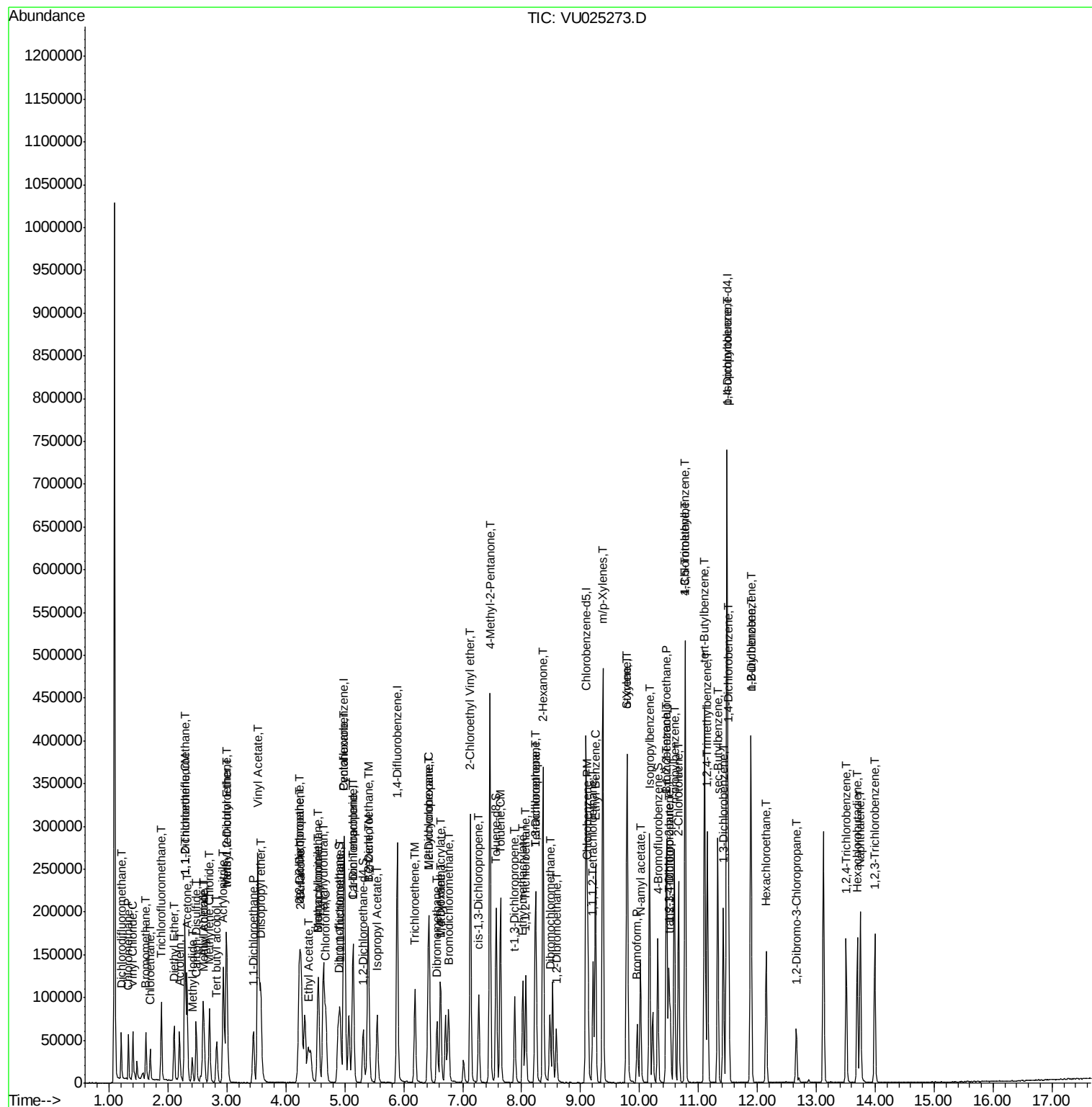
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070918\
Data File : VU025273.D
Acq On : 09 Jul 2018 14:54
Operator : MD/SY
Sample : VSTDICC020
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

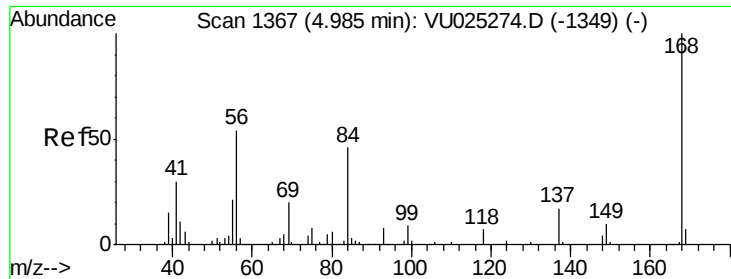
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:41:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 01:16:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 158845

Ion Ratio Lower Upper

168 100

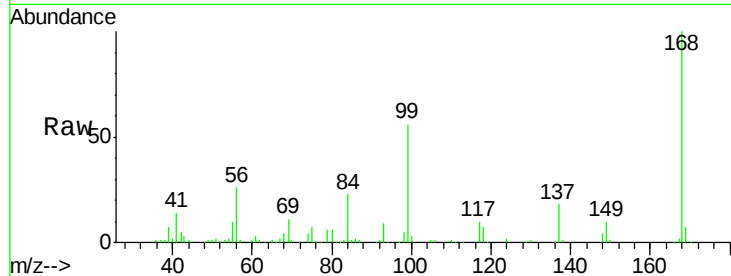
99 55.7 42.8 64.2

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

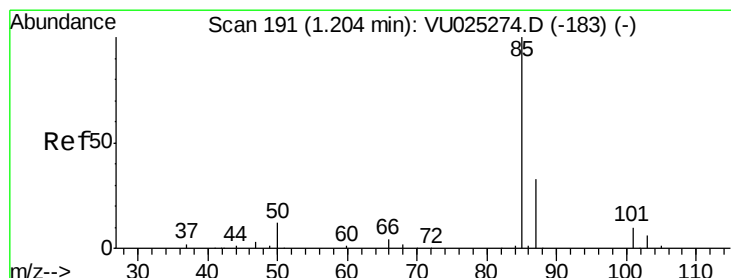
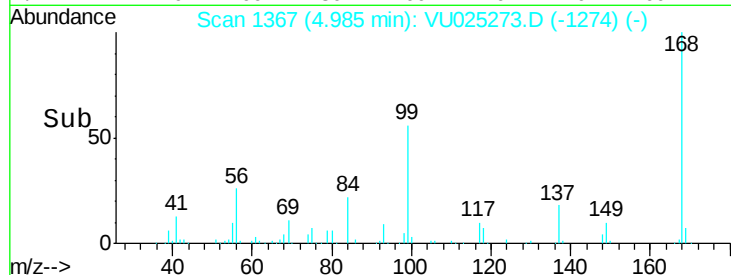
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.11 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025273.D

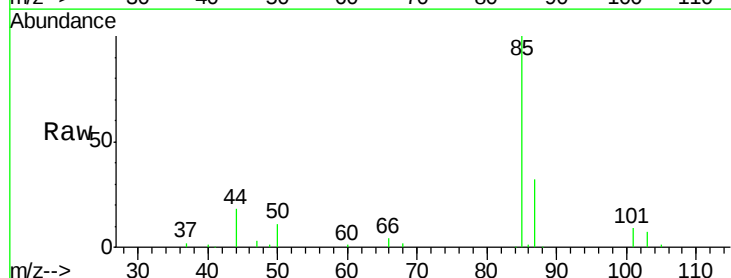
Acq: 09 Jul 2018 14:54

Tgt Ion: 85 Resp: 31409

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

30000

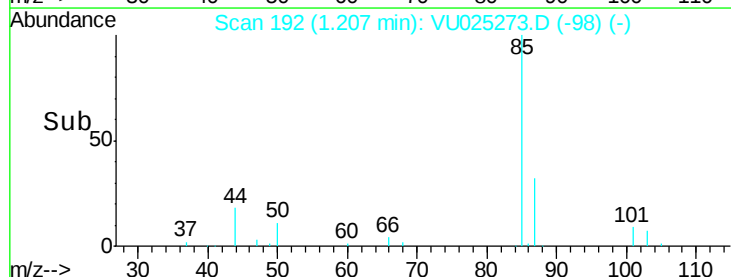
20000

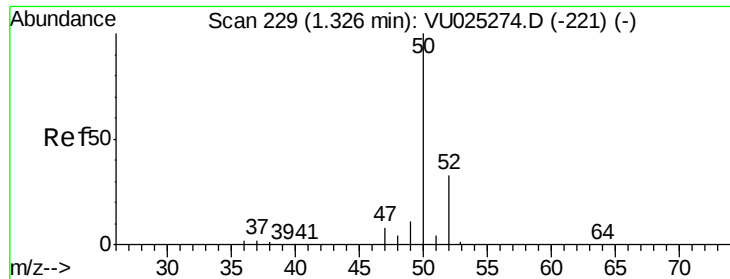
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.94 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 33380

Ion Ratio Lower Upper

50 100

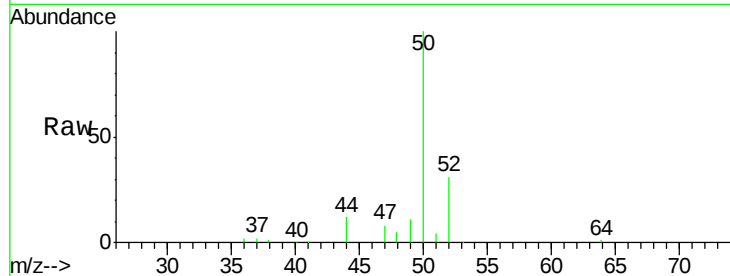
52 31.3 26.5 39.7

Manual Integrations

APPROVED

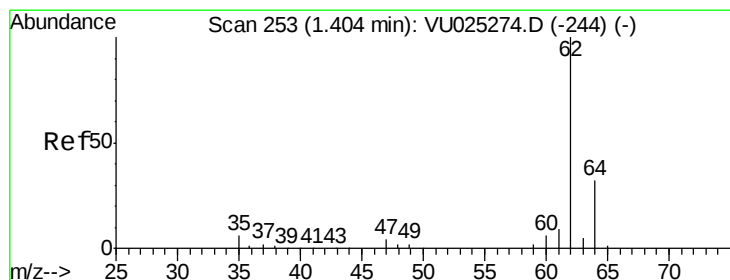
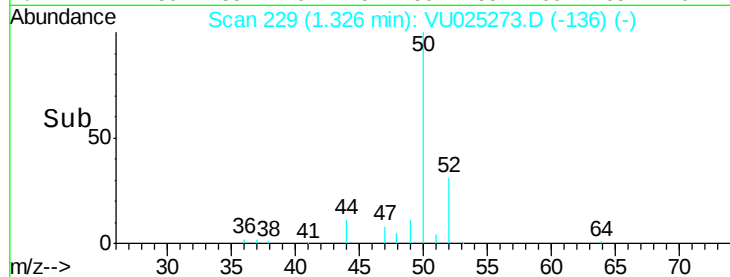
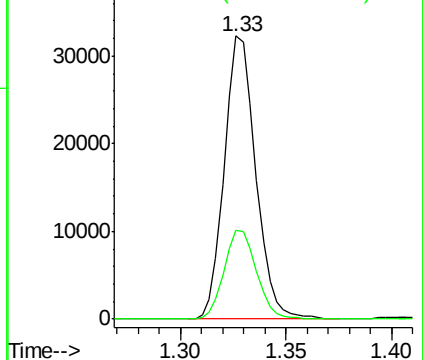
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.58 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025273.D

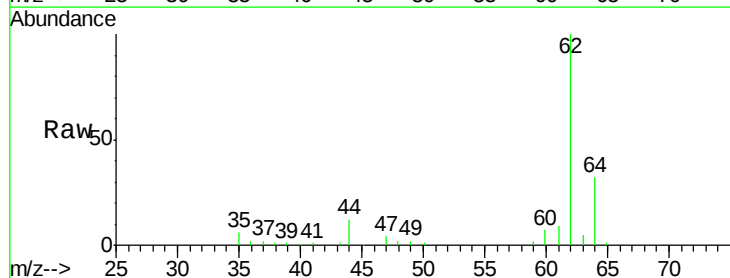
Acq: 09 Jul 2018 14:54

Tgt Ion: 62 Resp: 33565

Ion Ratio Lower Upper

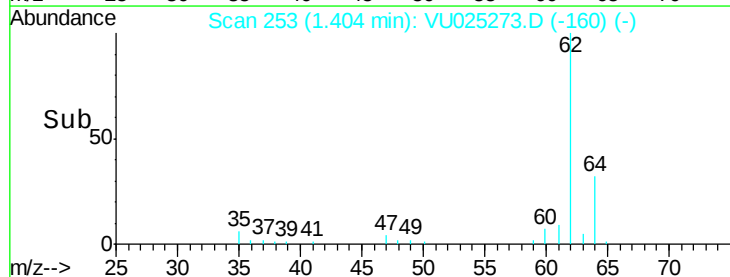
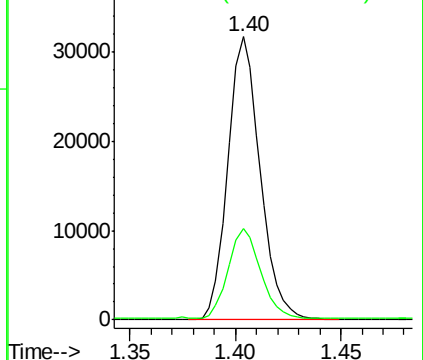
62 100

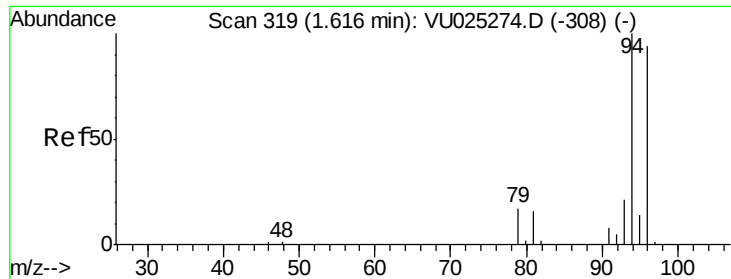
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.08 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 23862

Ion Ratio Lower Upper

94 100

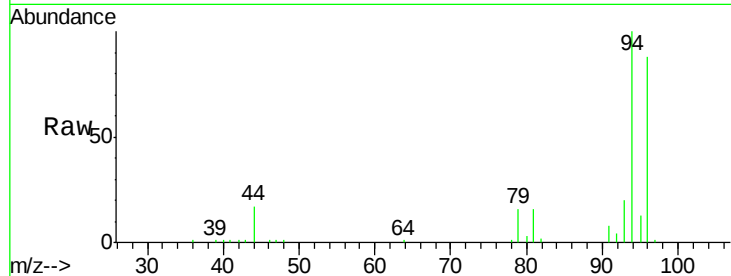
96 88.1 75.0 112.4

Manual Integrations

APPROVED

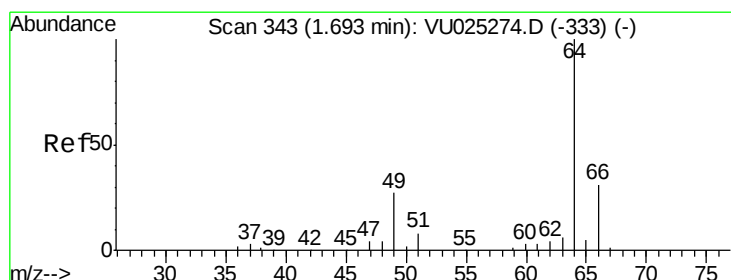
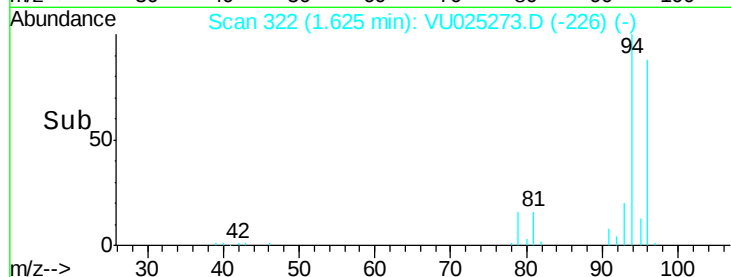
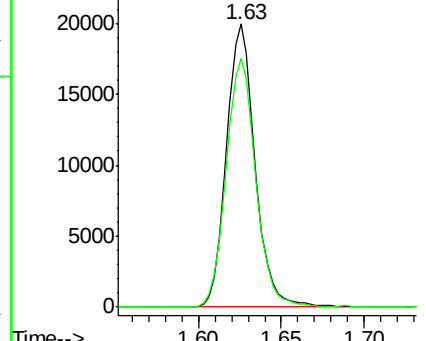
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.90 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025273.D

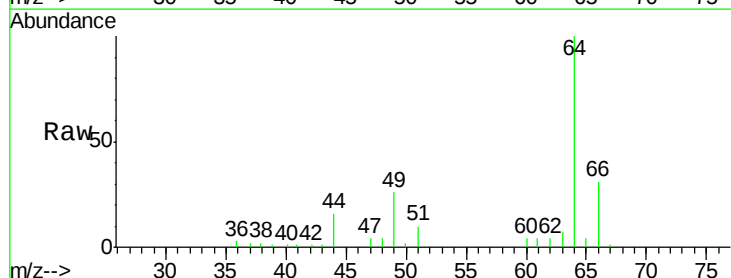
Acq: 09 Jul 2018 14:54

Tgt Ion: 64 Resp: 22530

Ion Ratio Lower Upper

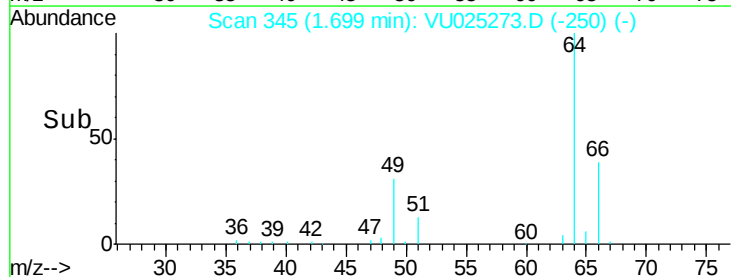
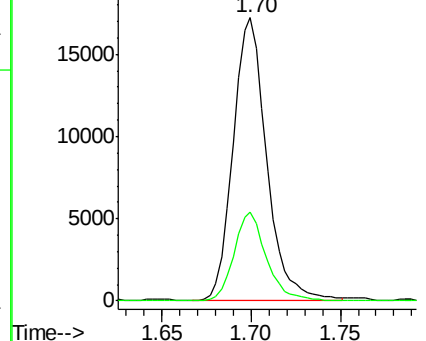
64 100

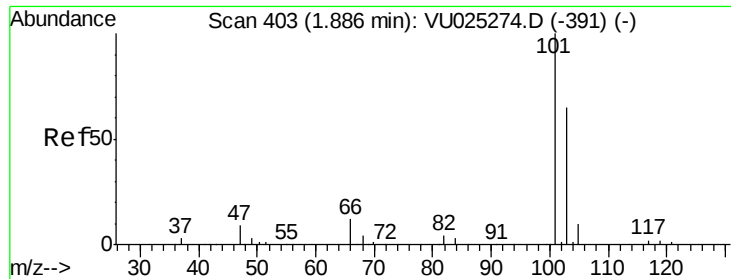
66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

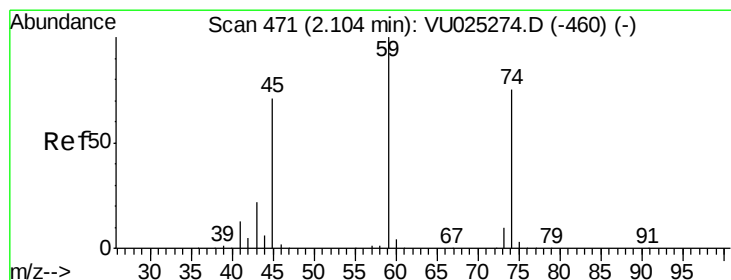
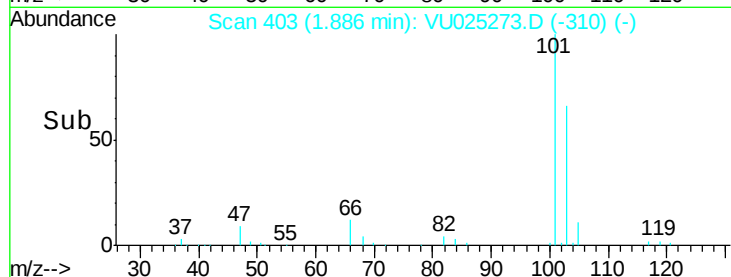
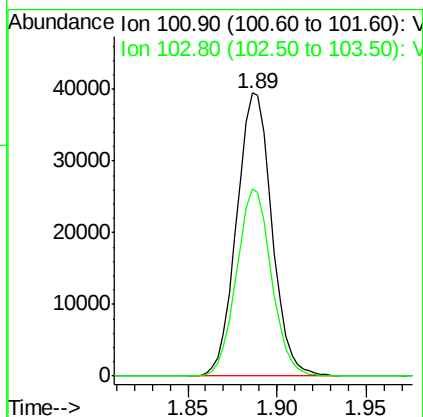
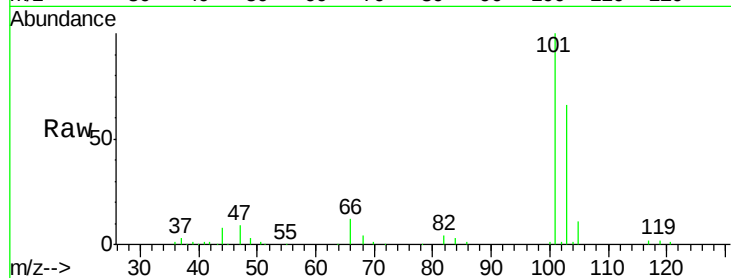
Trichlorofluoromethane
 Concen: 19.22 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.2	78.2

Manual Integrations
 APPROVED

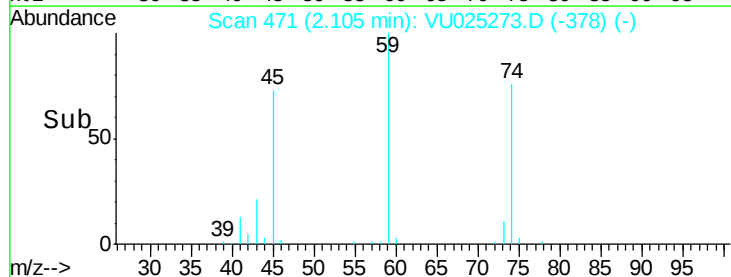
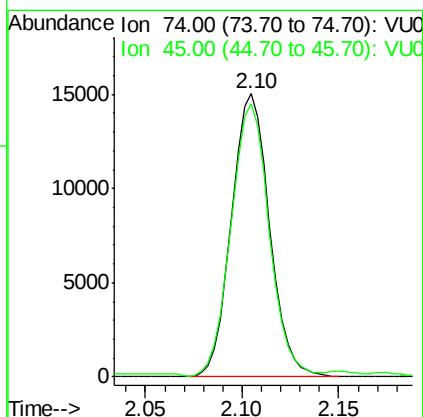
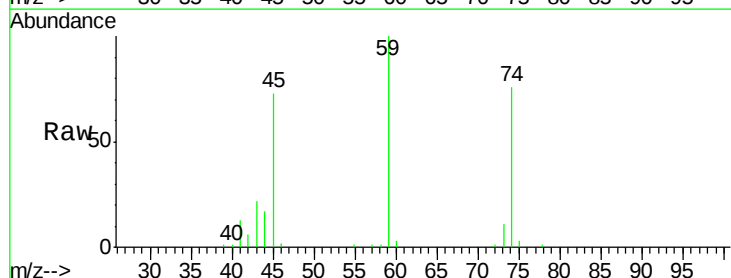
MMDadoda
 7/10/2018 2:33:17 PM

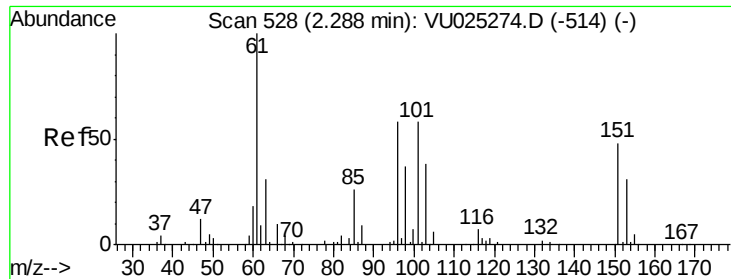


#8

Diethyl Ether
 Concen: 19.32 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

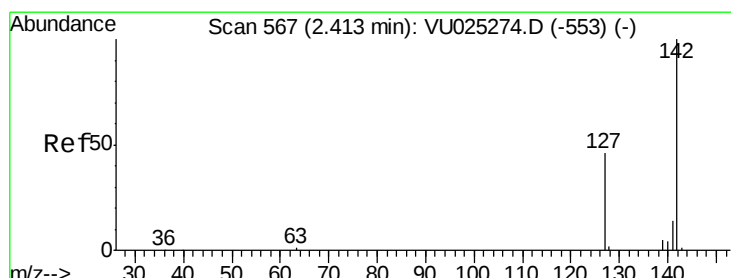
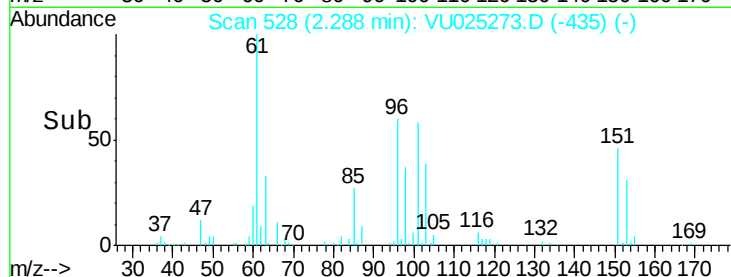
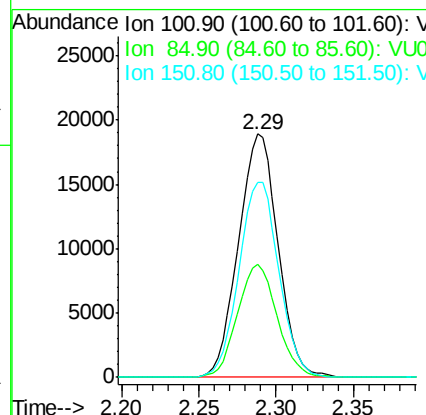
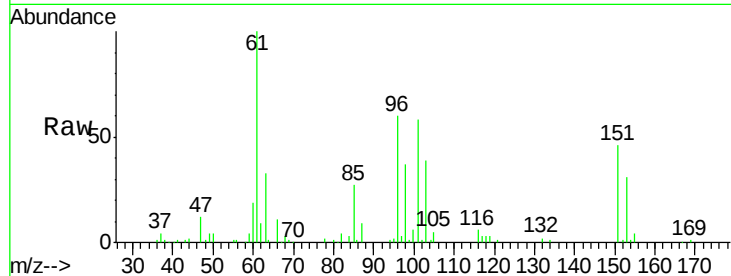
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	33590
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	81.0	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#10

Methyl Iodide

Concen: 16.41 ug/l

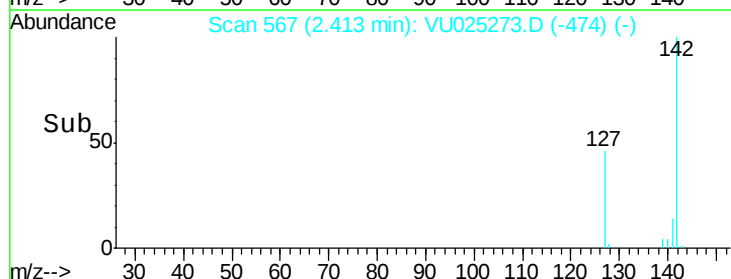
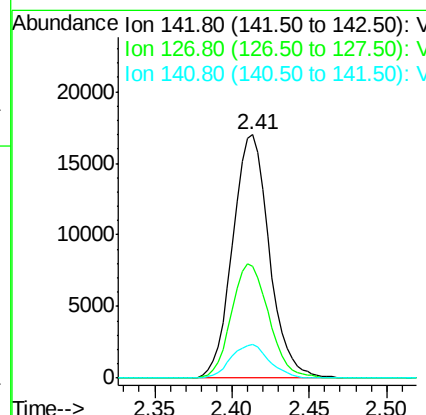
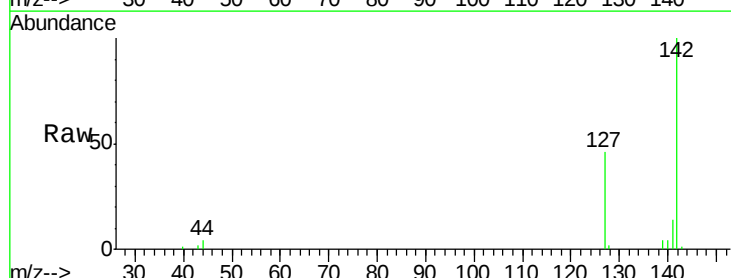
RT: 2.41 min Scan# 567

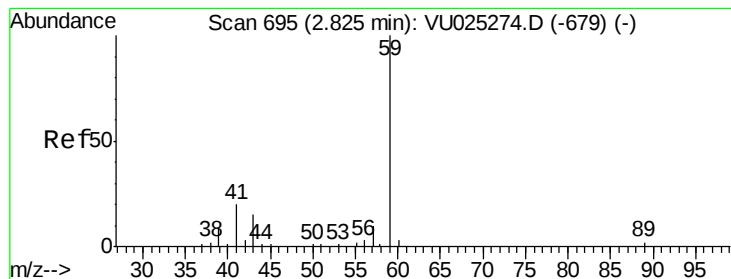
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	142	Resp:	27898
Ion Ratio	Lower	Upper	
142	100		
127	47.9	36.5	54.7
141	14.4	11.4	17.2





#11

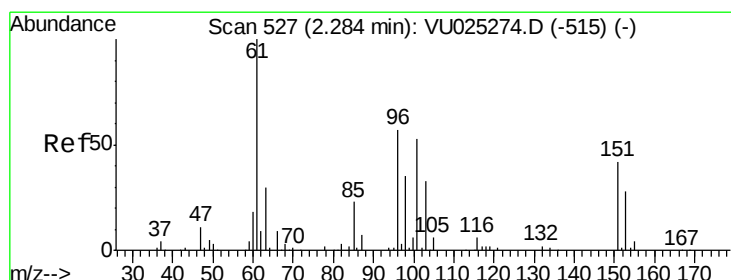
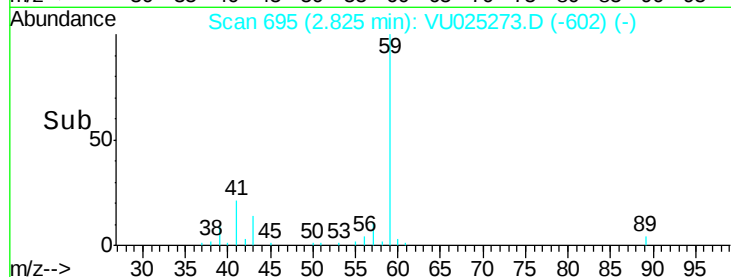
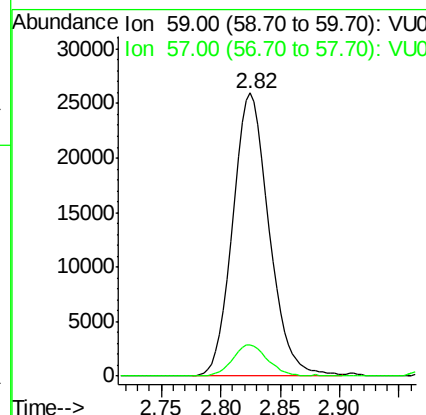
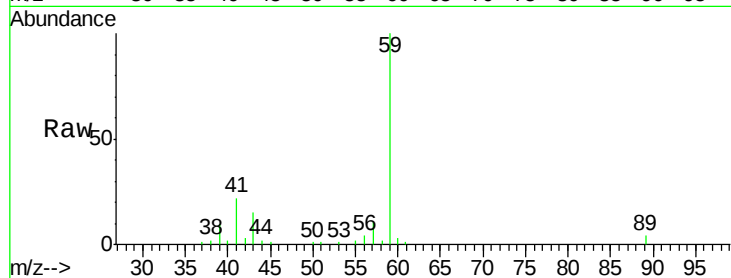
Tert butyl alcohol
Concen: 90.88 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
APPROVED

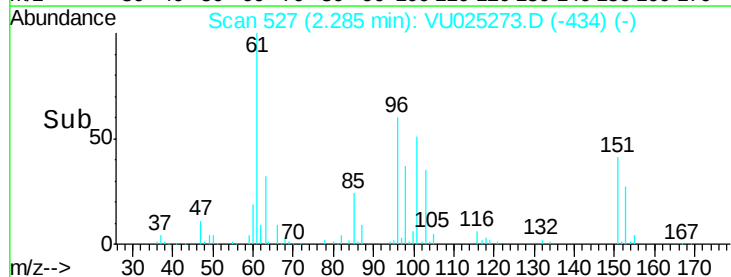
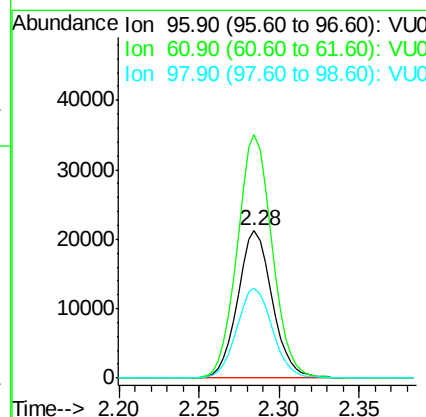
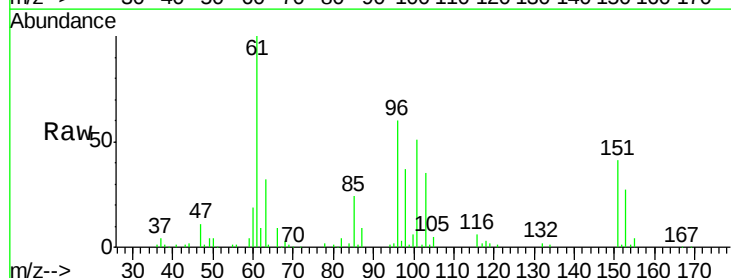
MMDadoda
7/10/2018 2:33:17 PM

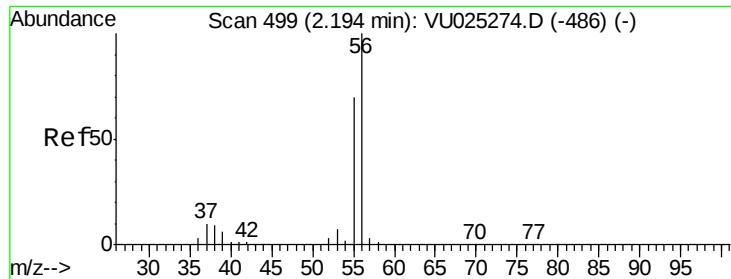


#12

1,1-Dichloroethene
Concen: 19.32 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	140.2	210.4
98	61.1	49.3	73.9





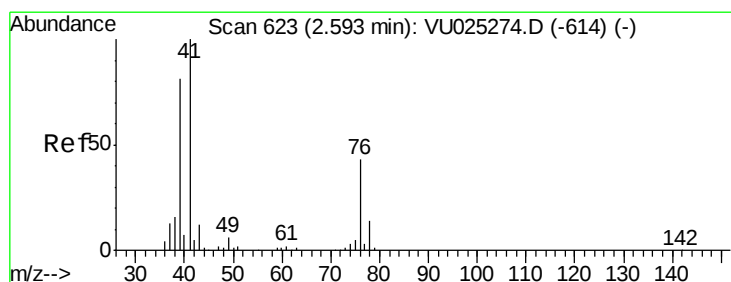
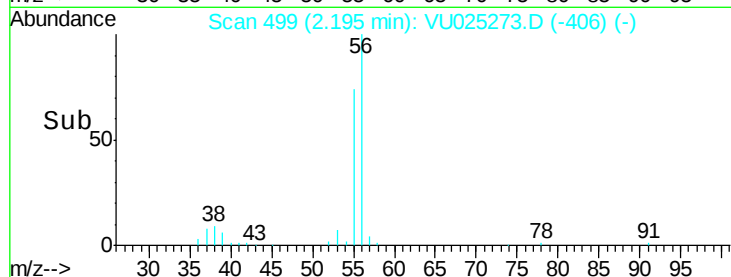
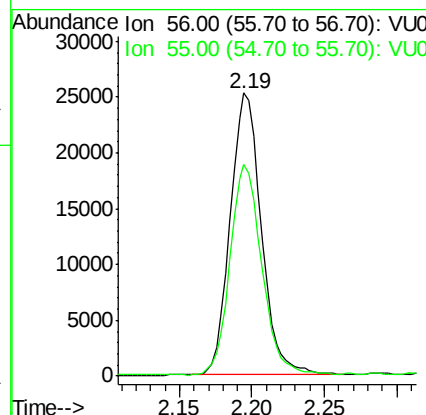
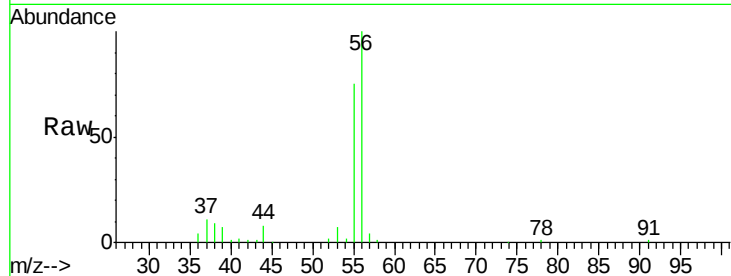
#13
Acrolein
Concen: 100.32 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	56	55	Ratio	Lower	Upper
37684	100	77.8		57.2	85.8

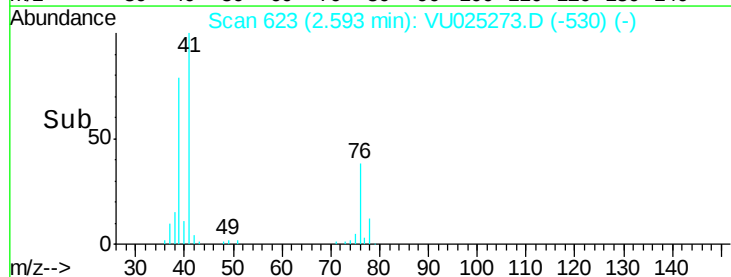
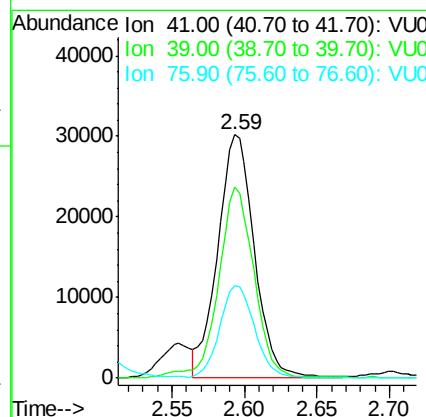
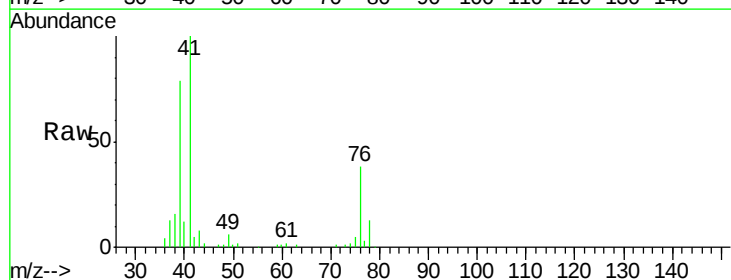
Manual Integrations
APPROVED

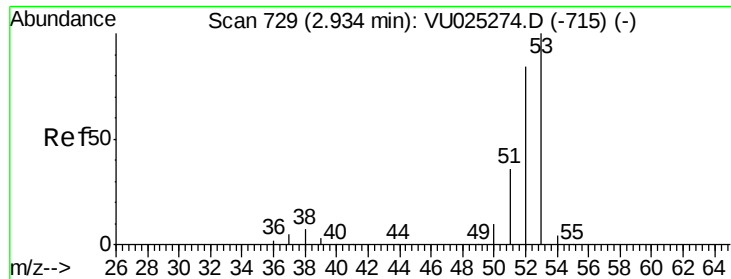
MMDadoda
7/10/2018 2:33:17 PM



#14
Allyl chloride
Concen: 18.24 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	41	39	76	Ratio	Lower	Upper
53273	100	76.2	36.2		60.6	91.0





#15

Acrylonitrile

Concen: 96.70 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

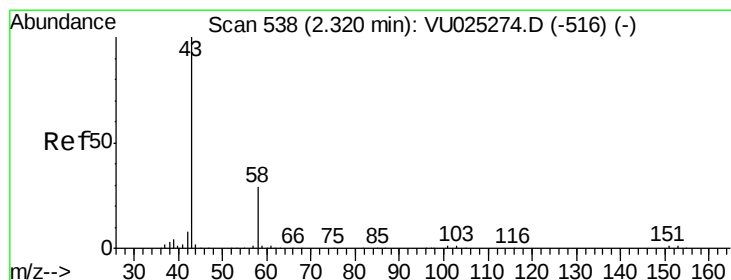
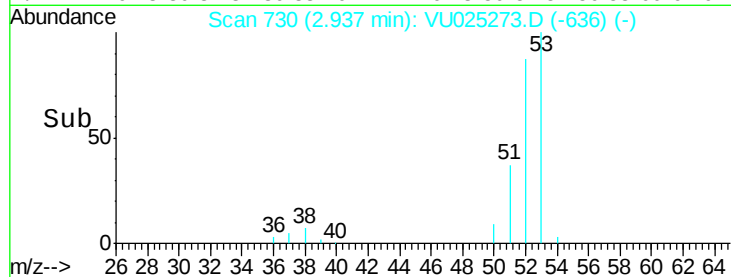
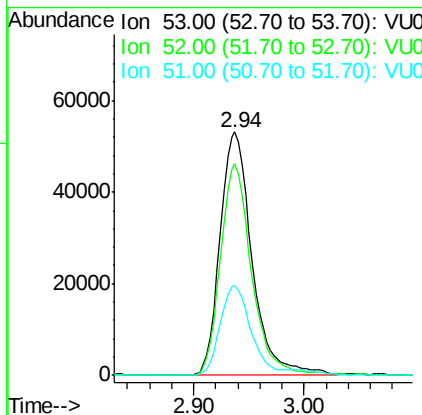
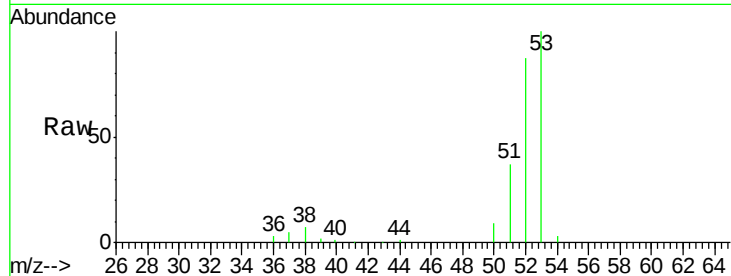
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	107036
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.6	99.8
51	35.6	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#16

Acetone

Concen: 99.47 ug/l

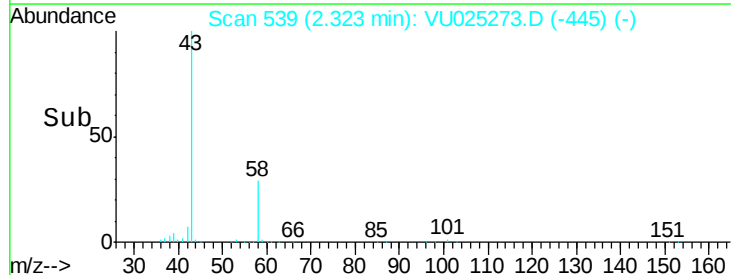
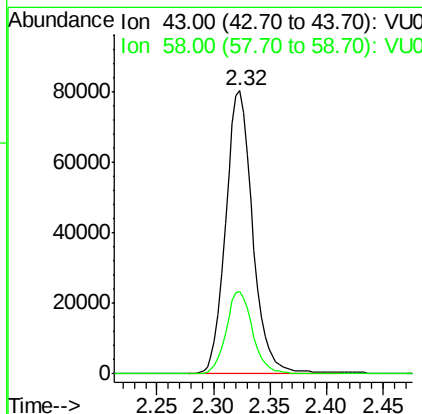
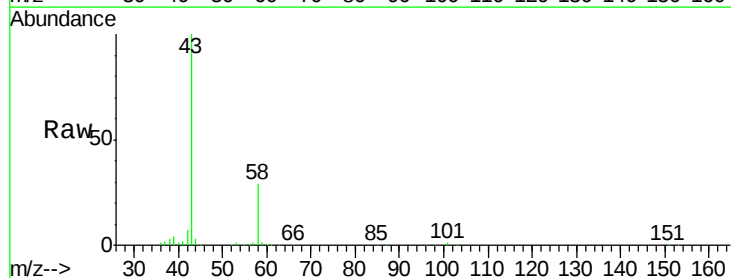
RT: 2.32 min Scan# 539

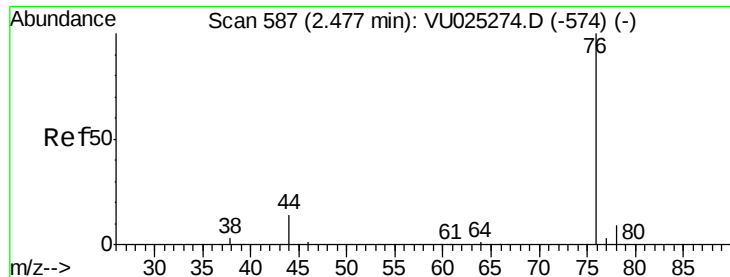
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	43	Resp:	132560
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





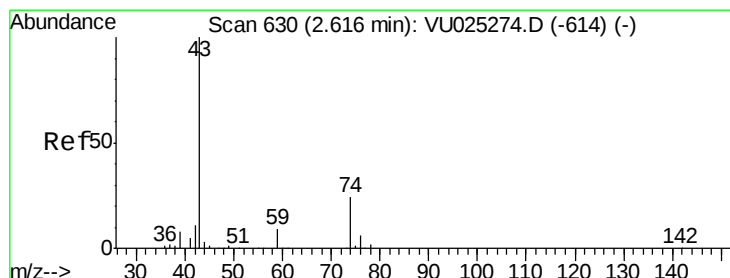
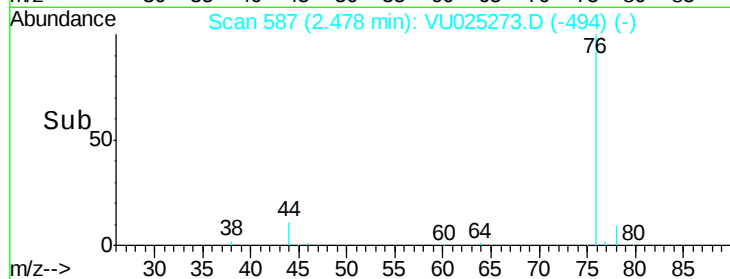
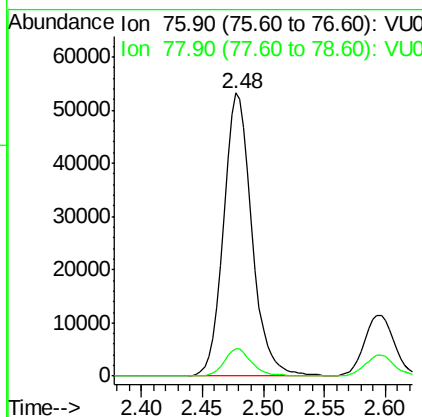
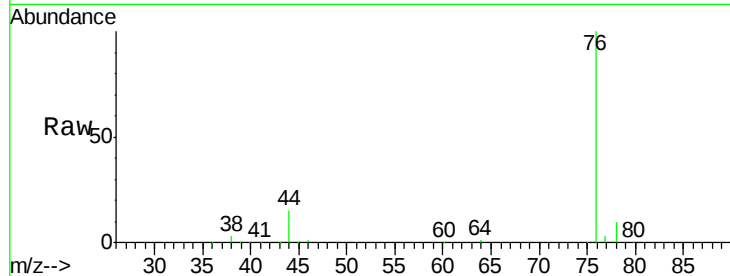
#17
Carbon Disulfide
Concen: 17.40 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

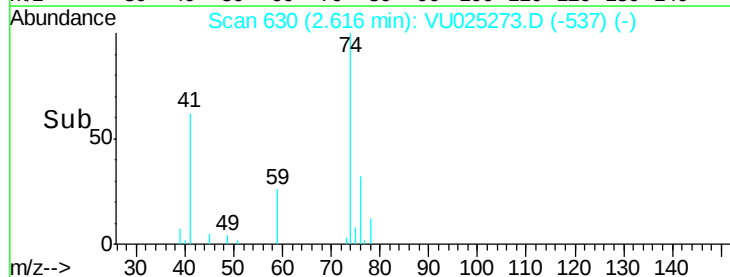
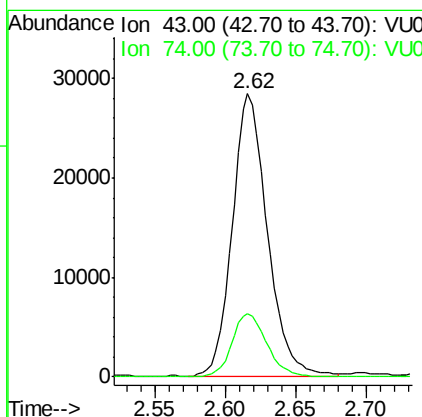
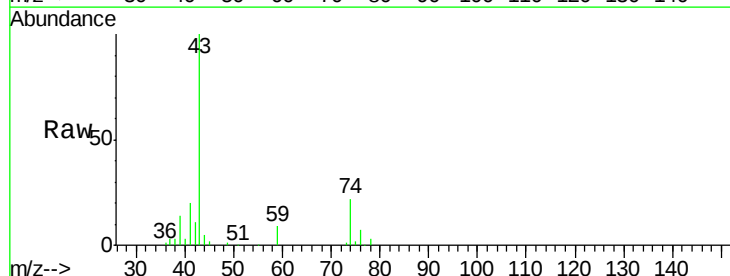
Manual Integrations
APPROVED

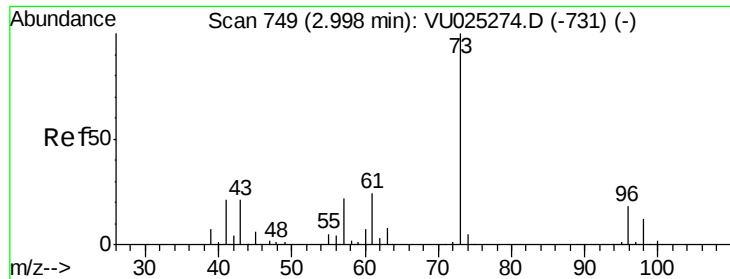
MMDadoda
7/10/2018 2:33:17 PM



#18
Methyl Acetate
Concen: 19.72 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.5	27.7





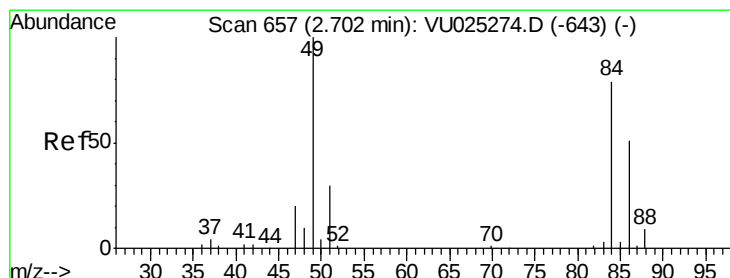
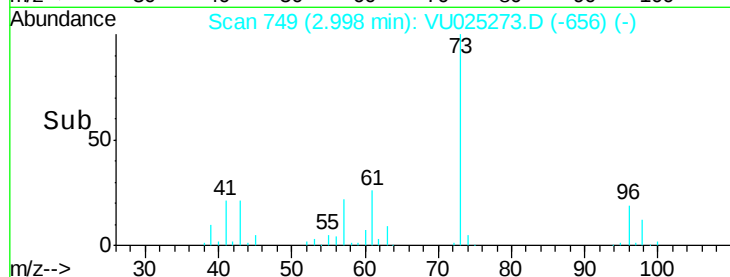
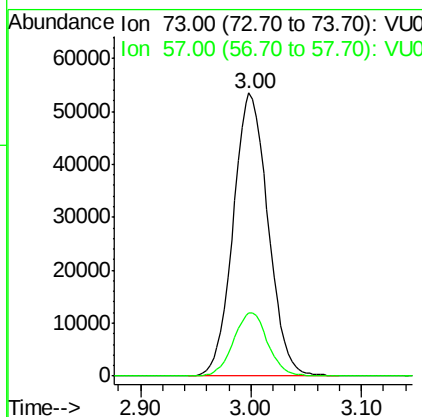
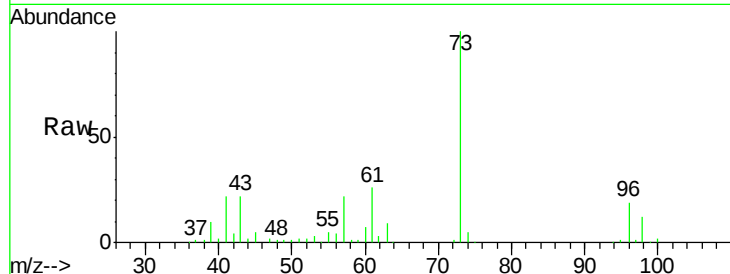
#19
Methvl tert-butvl Ether
Concen: 19.08 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 116877
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.2

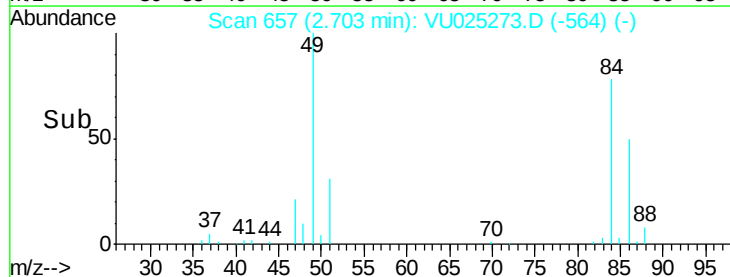
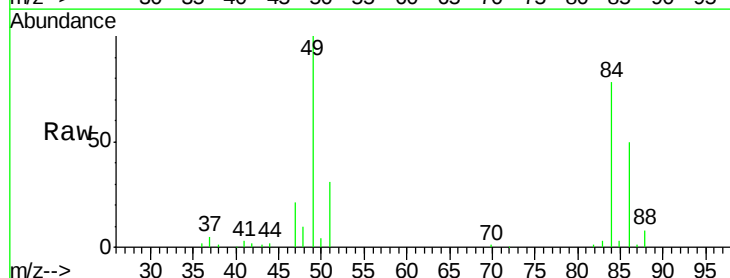
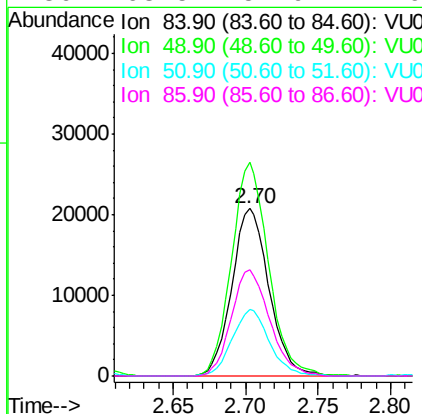
Manual Integrations
APPROVED

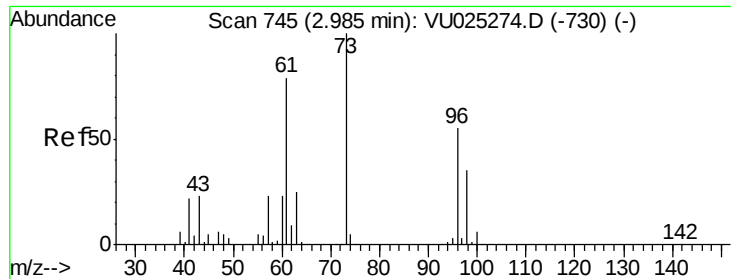
MMDadoda
7/10/2018 2:33:17 PM



#20
Methylene Chloride
Concen: 16.90 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 84 Resp: 37007
Ion Ratio Lower Upper
84 100
49 127.6 101.8 152.6
51 39.9 30.8 46.2
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.49 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 34030

Ion Ratio Lower Upper

96 100

61 137.6 114.5 171.7

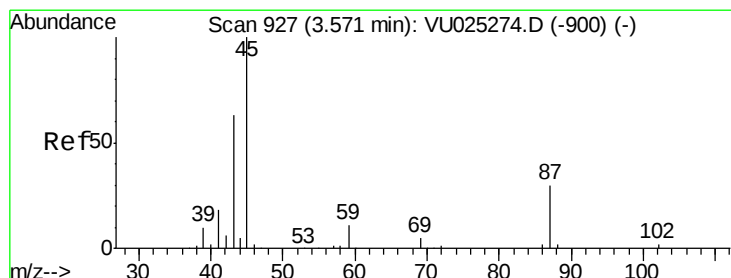
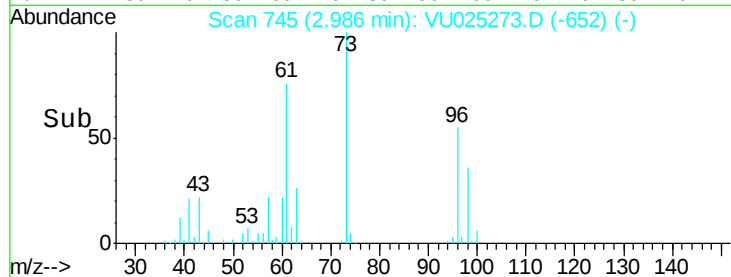
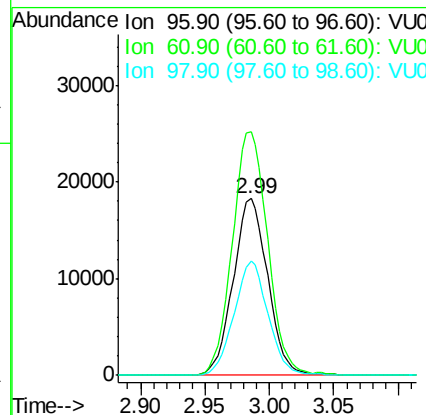
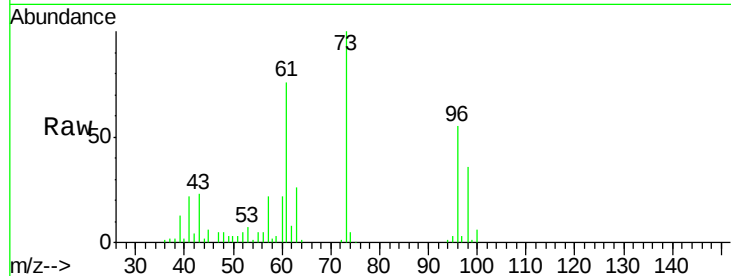
98 64.6 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



#22

Diisopropyl ether

Concen: 19.01 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion: 45 Resp: 113345

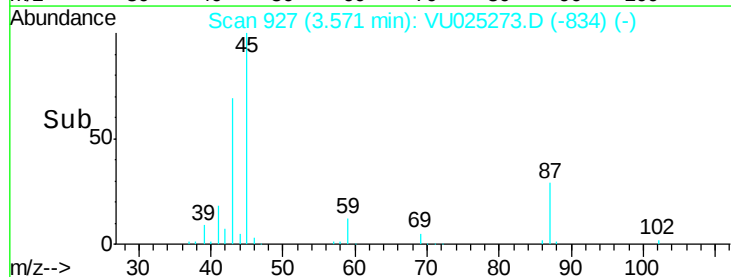
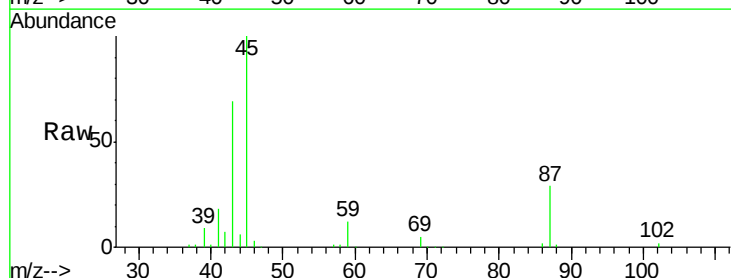
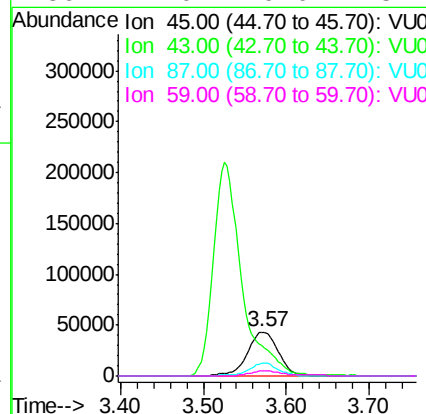
Ion Ratio Lower Upper

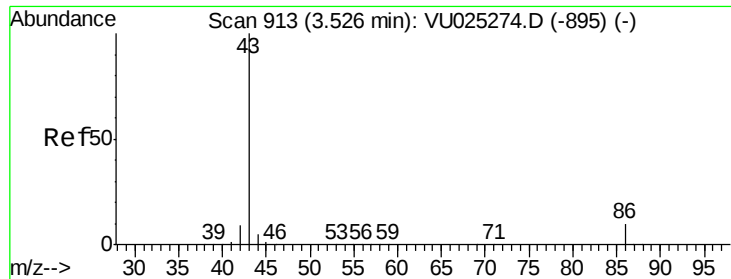
45 100

43 67.4 50.9 76.3

87 29.0 23.8 35.8

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 96.61 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 505390

Ion Ratio Lower Upper

43 100

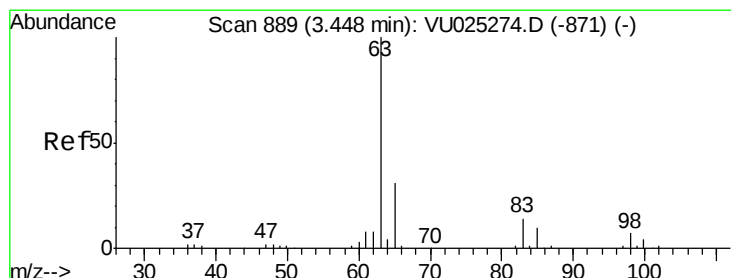
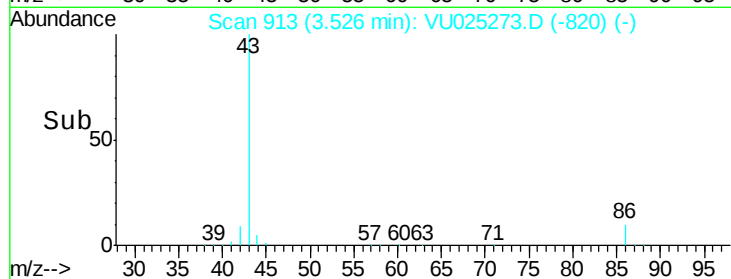
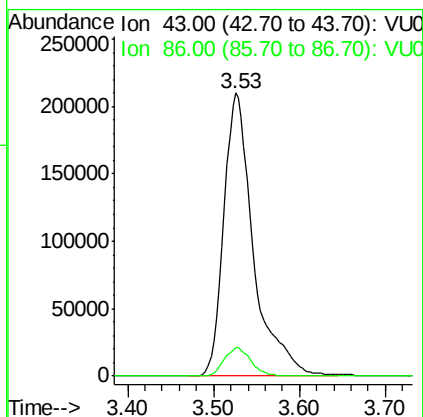
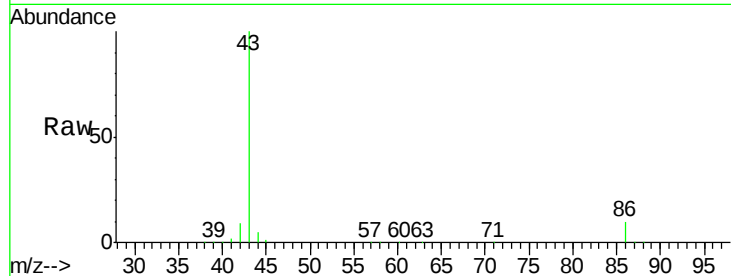
86 10.0 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



#24

1,1-Dichloroethane

Concen: 19.63 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

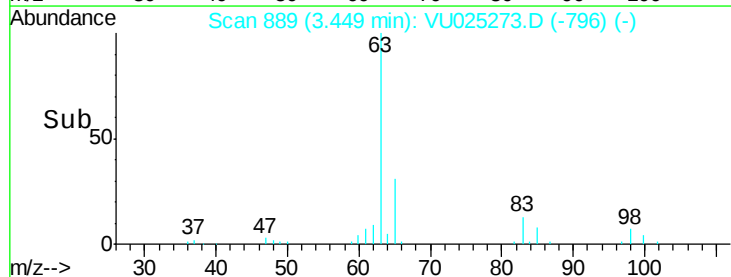
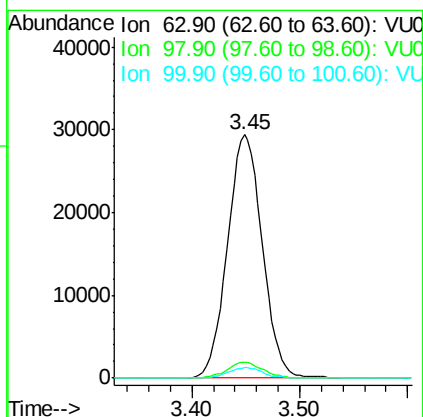
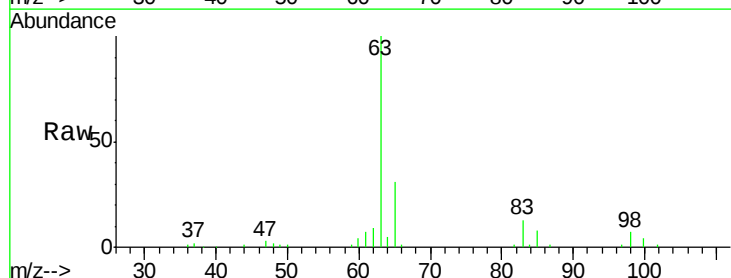
Tgt Ion: 63 Resp: 66023

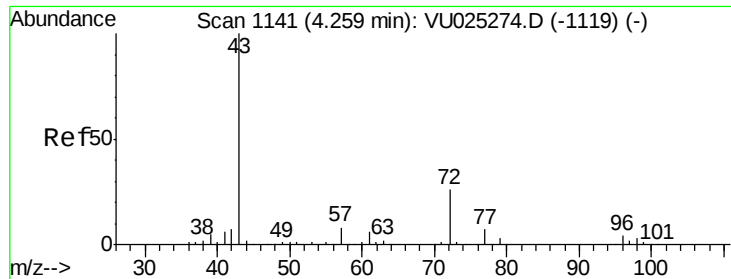
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.2 2.0 6.0





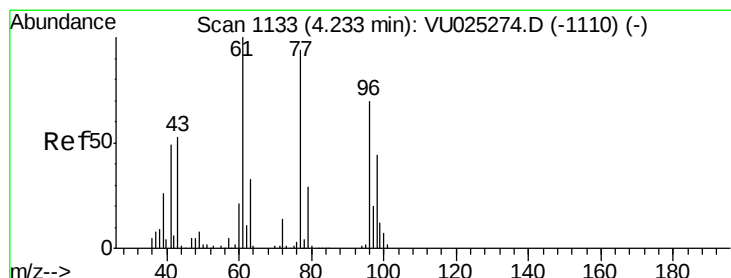
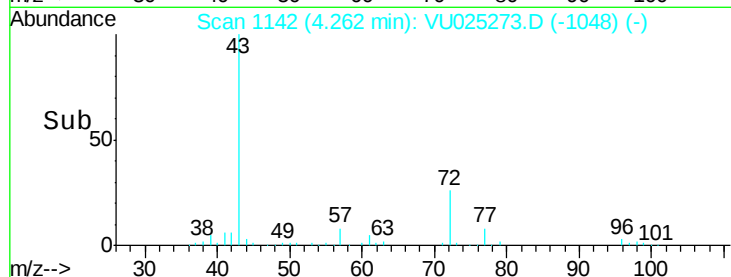
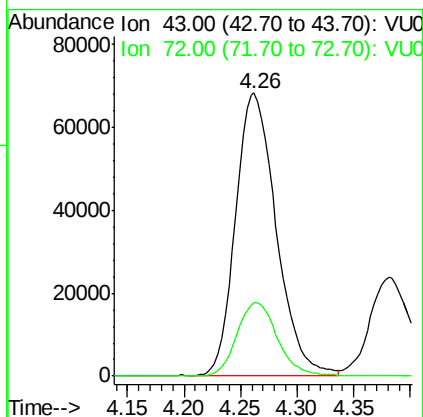
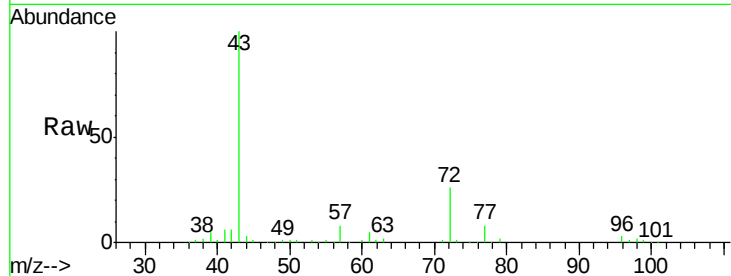
#25
2-Butanone
Concen: 99.58 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.0	31.4

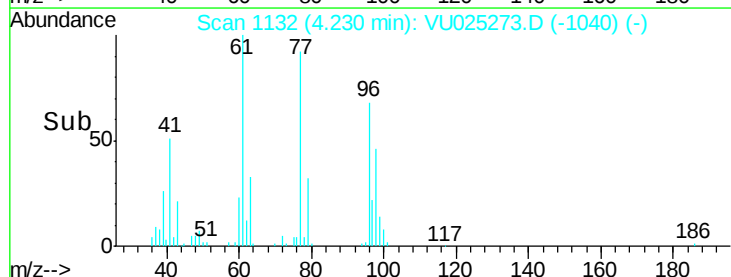
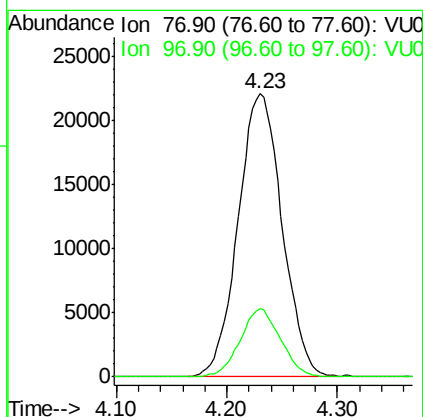
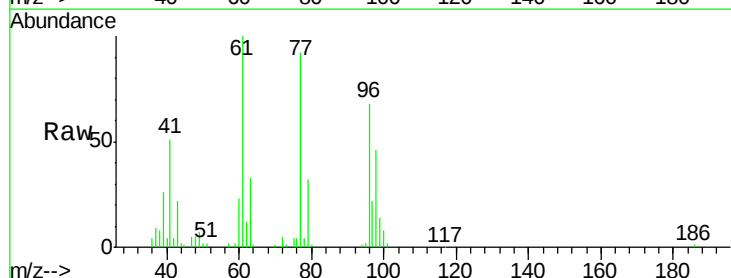
Manual Integrations
APPROVED

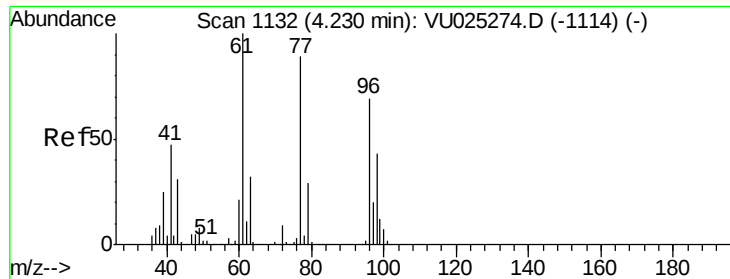
MMDadoda
7/10/2018 2:33:17 PM



#26
2,2-Dichloropropane
Concen: 18.90 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 18.44 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

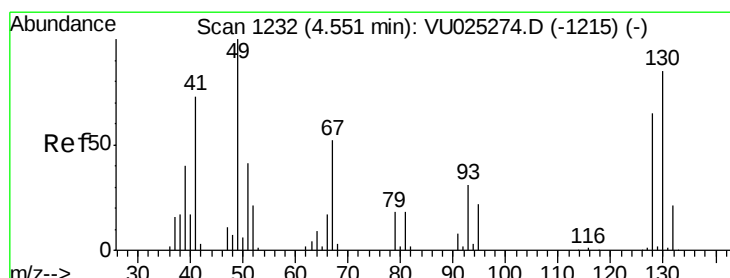
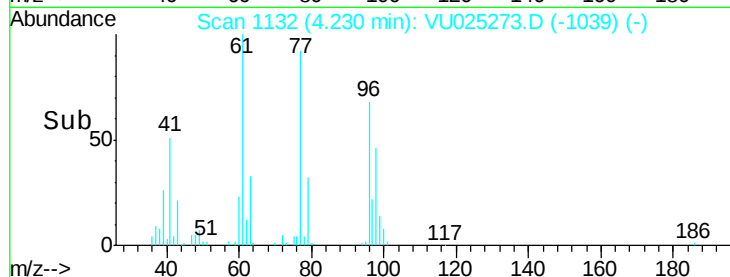
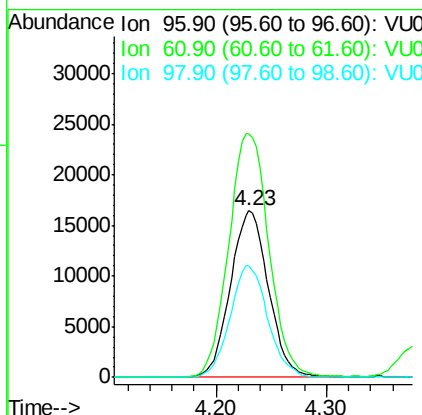
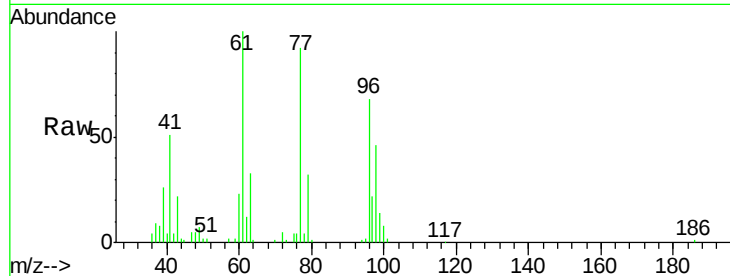
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	39268
Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	299.8
98	66.2	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#28

Bromochloromethane

Concen: 23.56 ug/l

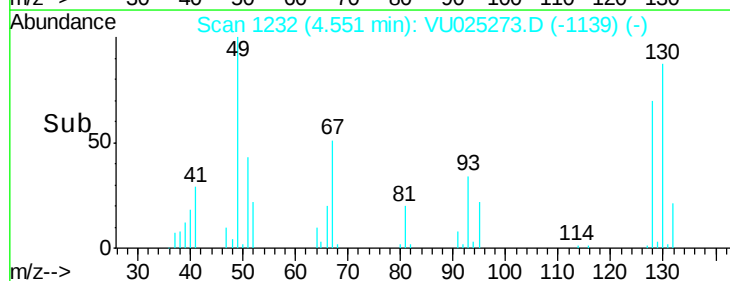
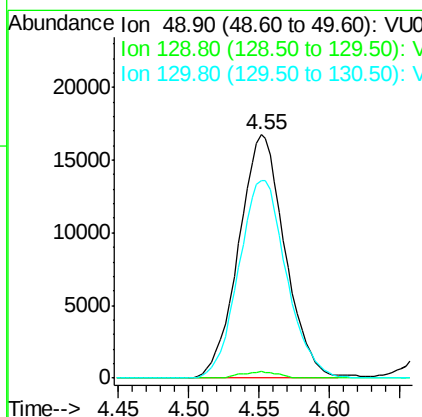
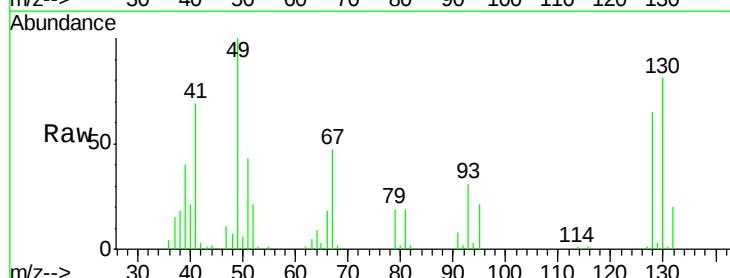
RT: 4.55 min Scan# 1232

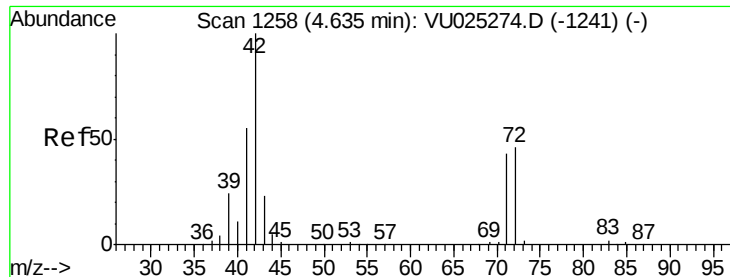
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	49	Resp:	38256
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	84.0	68.6	102.8





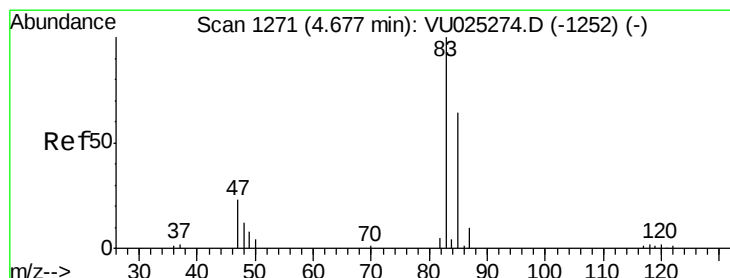
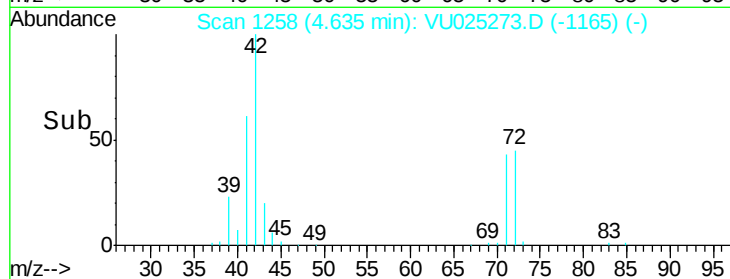
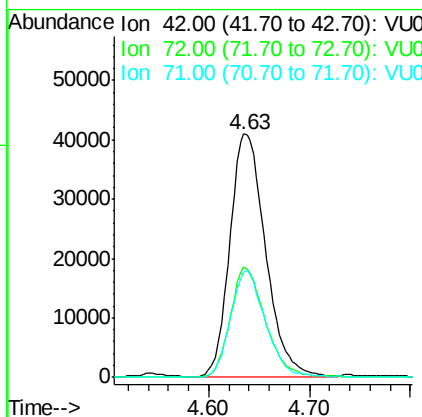
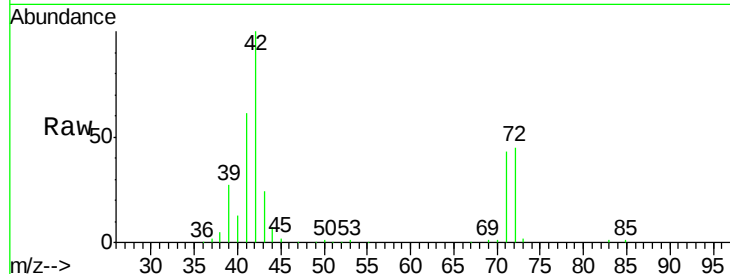
#29
Tetrahydrofuran
Concen: 97.75 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.7	55.1
71	43.1	33.9	50.9

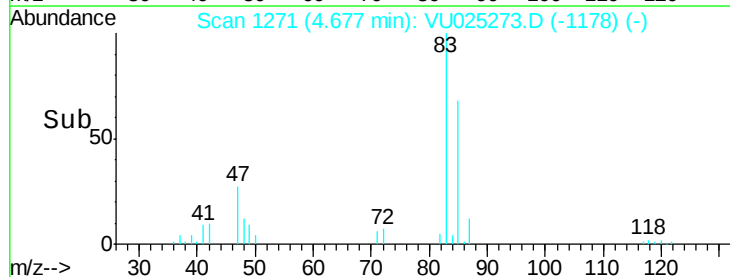
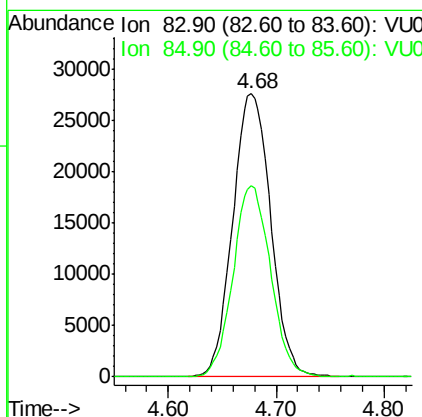
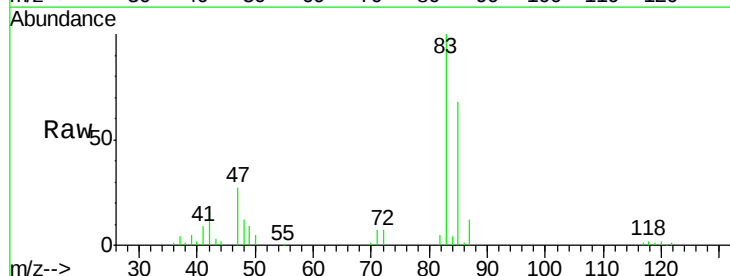
Manual Integrations
APPROVED

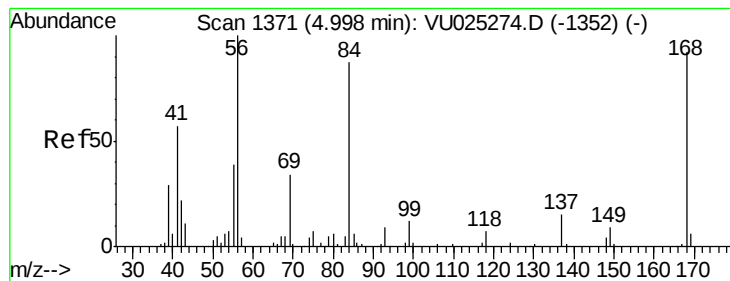
MMDadoda
7/10/2018 2:33:17 PM



#30
Chloroform
Concen: 19.06 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.5	77.3





#31

Cyclohexane

Concen: 16.15 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 60333

Ion Ratio Lower Upper

56 100

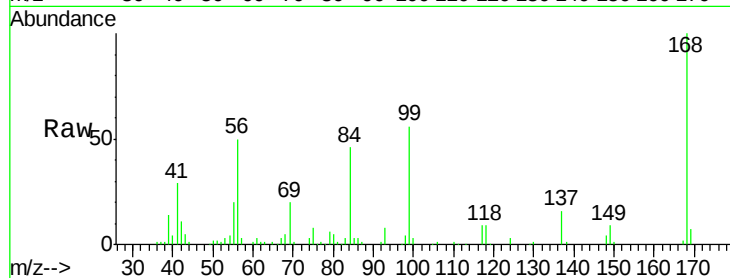
69 38.9 26.8 40.2

84 91.1 69.7 104.5

Manual Integrations
APPROVED

MMDadoda

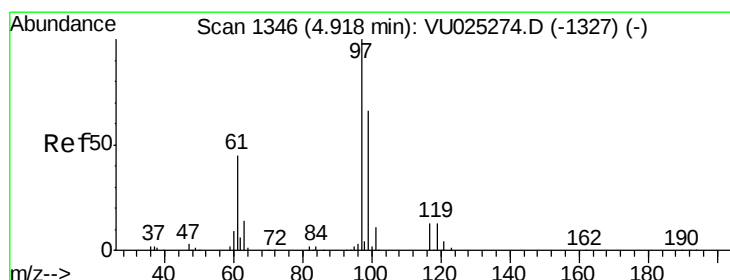
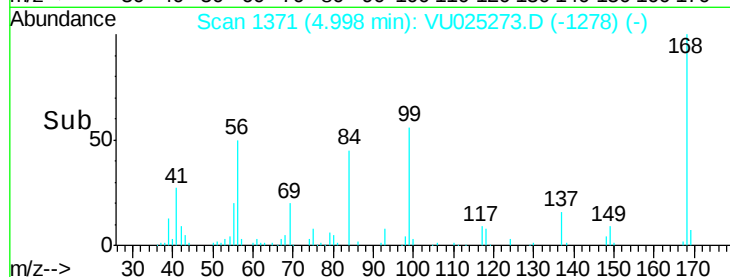
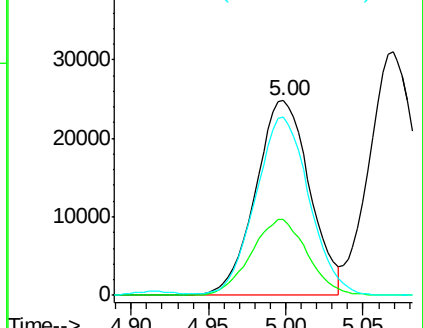
7/10/2018 2:33:17 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.33 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

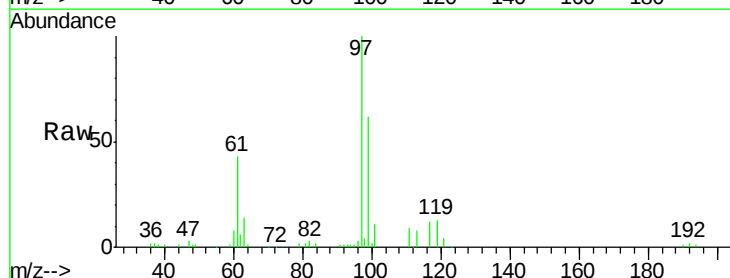
Tgt Ion: 97 Resp: 62383

Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

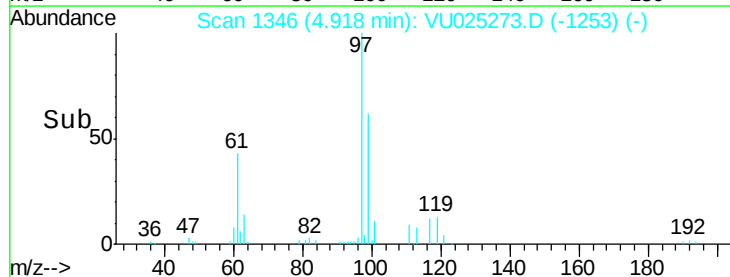
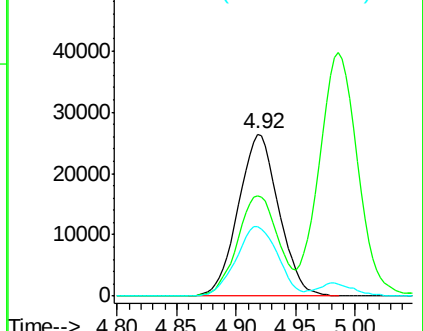
61 44.2 35.2 52.8

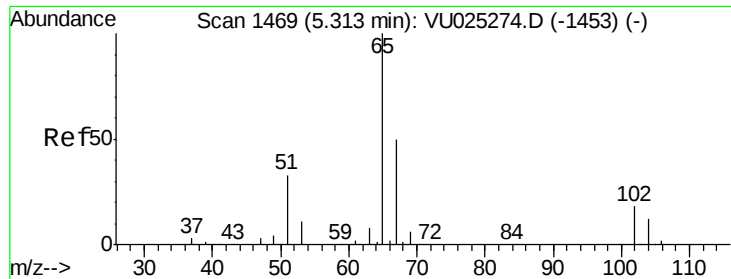


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





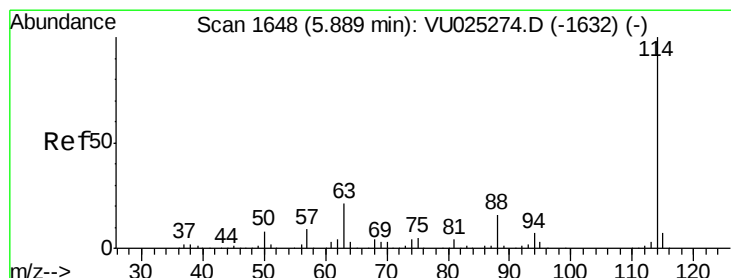
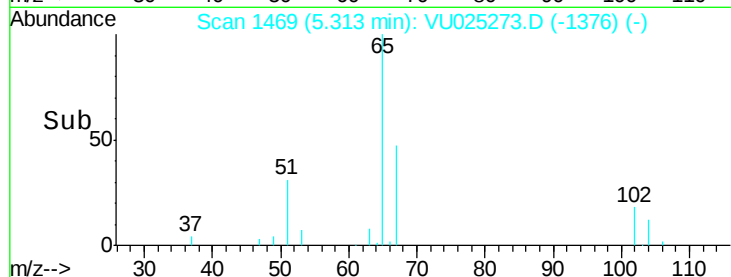
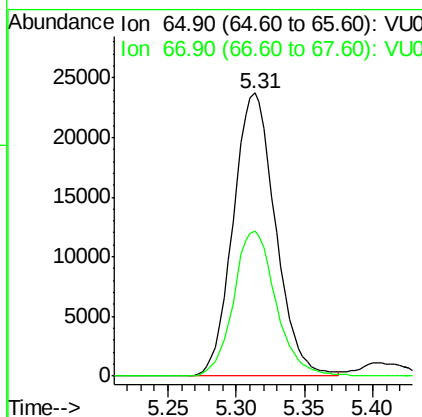
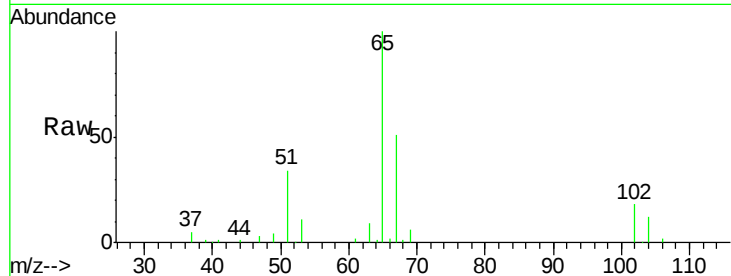
#33
 1,2-Dichloroethane-d4
 Concen: 20.66 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.6

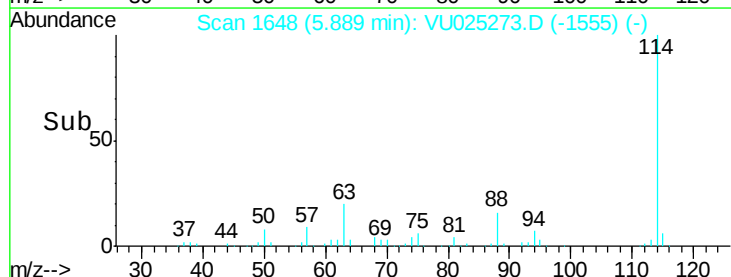
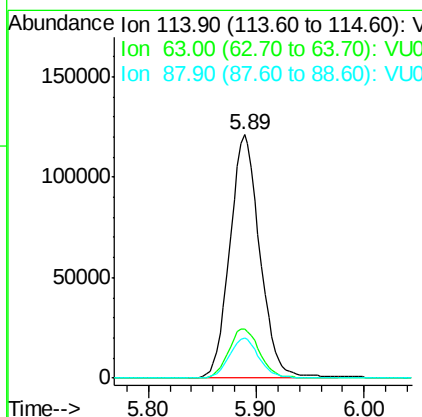
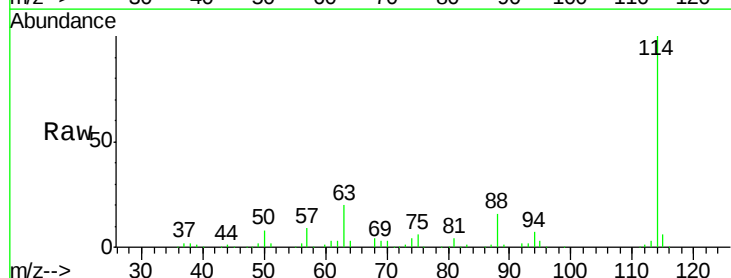
Manual Integrations
 APPROVED

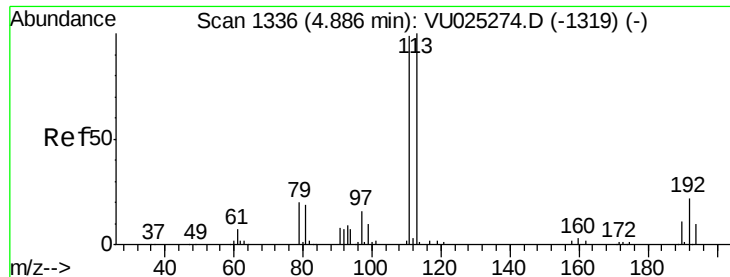
MMDadoda
 7/10/2018 2:33:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.6
88	16.5	0.0	32.4





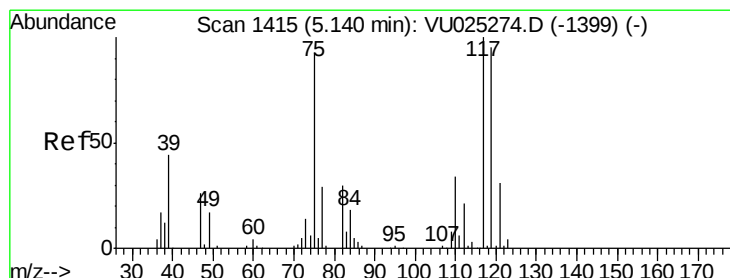
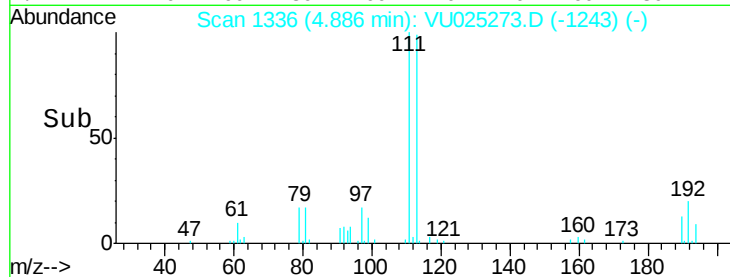
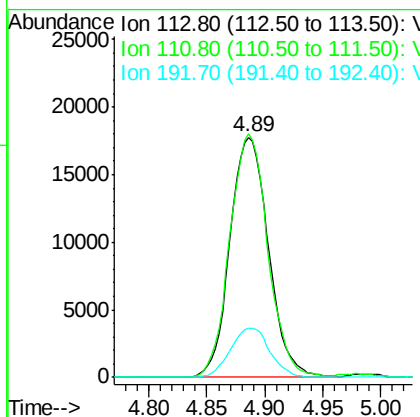
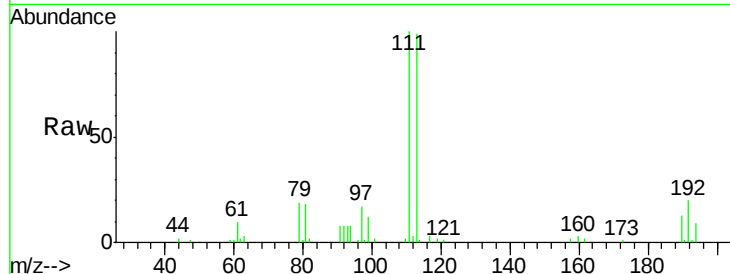
#35
 Dibromofluoromethane
 Concen: 20.64 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.7	122.5
192	20.8	17.1	25.7

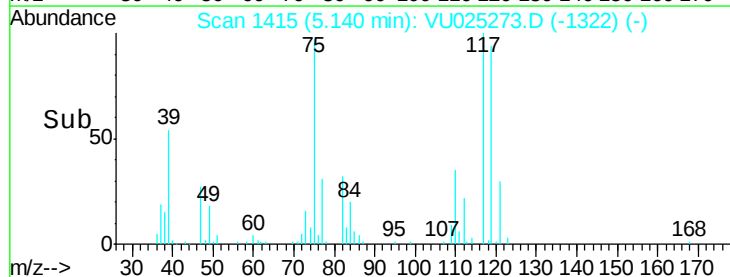
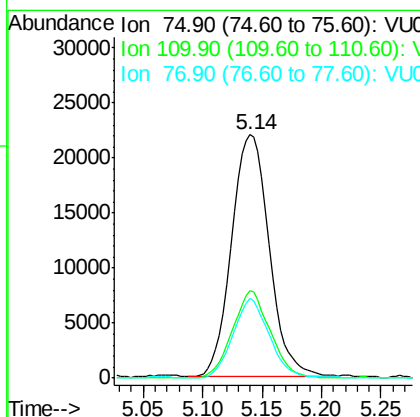
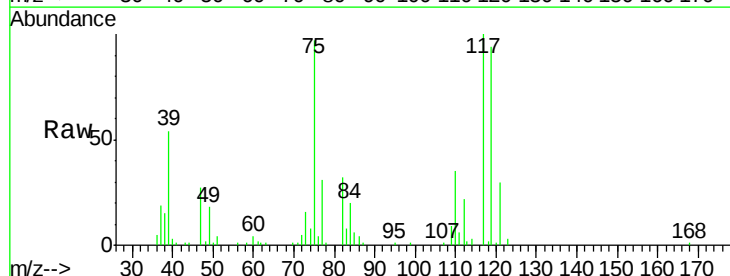
Manual Integrations
 APPROVED

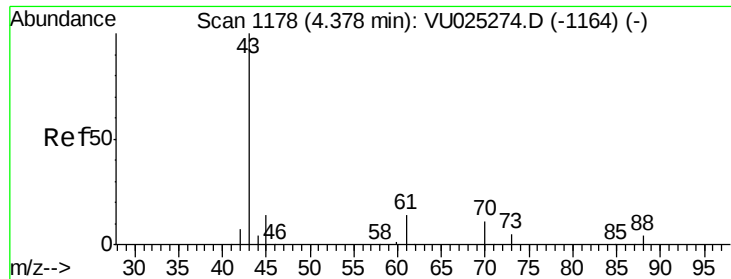
MMDadoda
 7/10/2018 2:33:17 PM



#36
 1,1-Dichloropropene
 Concen: 18.41 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.6	52.9
77	31.8	24.4	36.6





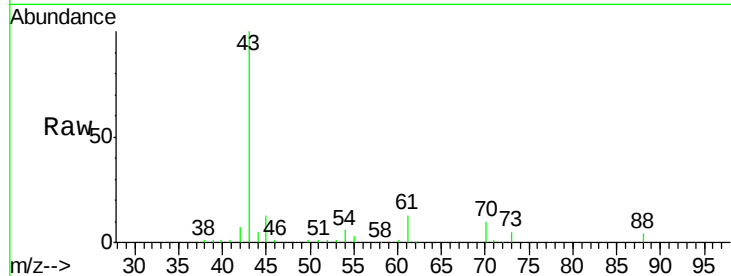
#37
Ethyl Acetate
Concen: 20.20 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

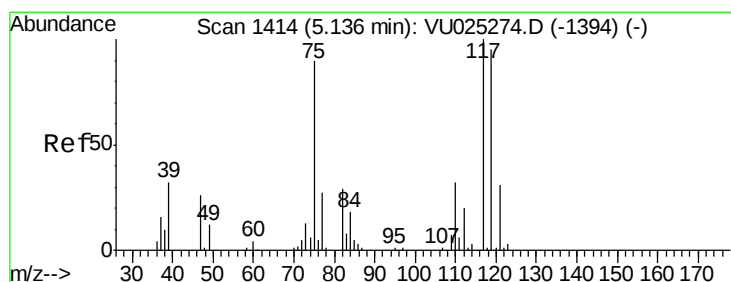
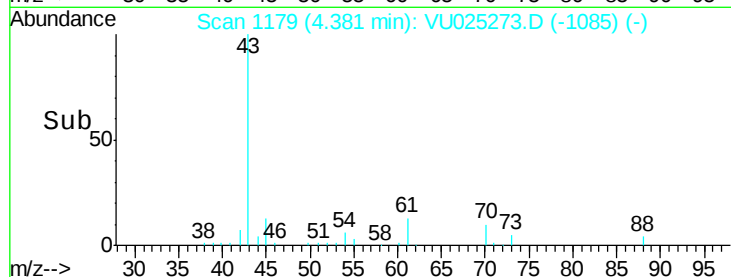
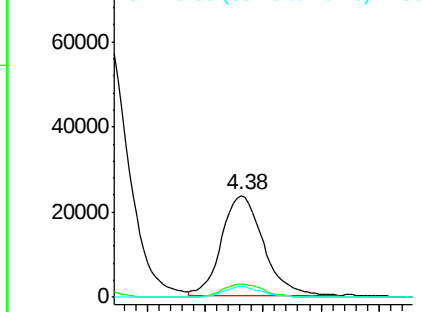
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM

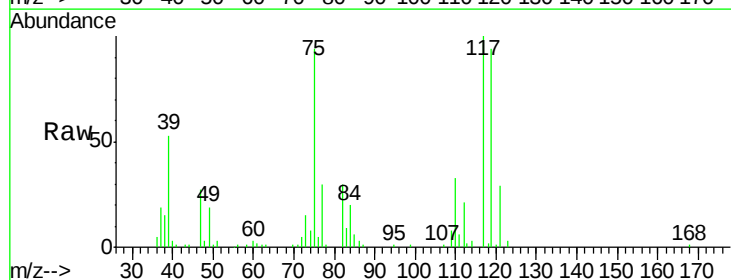


Abundance Ion 43.00 (42.70 to 43.70): VU025273.D (-1164) (-)

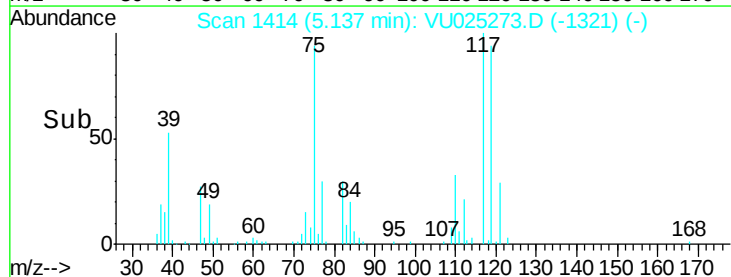
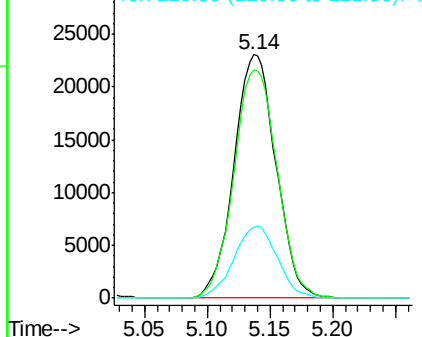


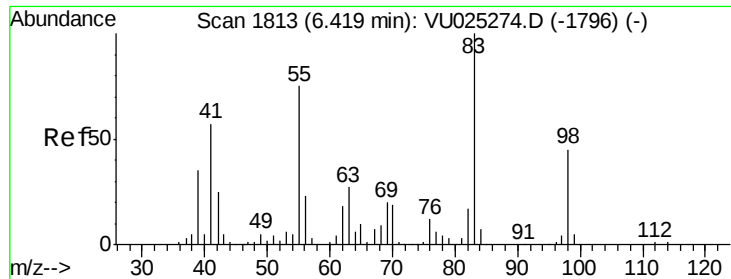
#38
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	29.3	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VU025273.D (-1394) (-)





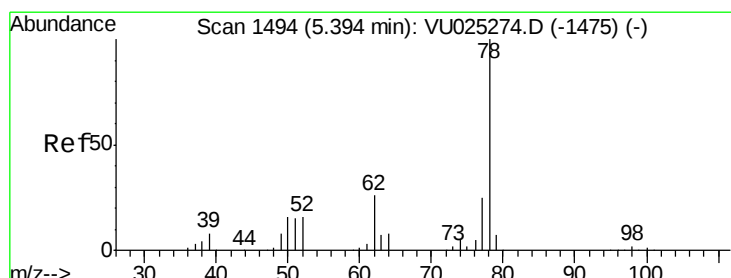
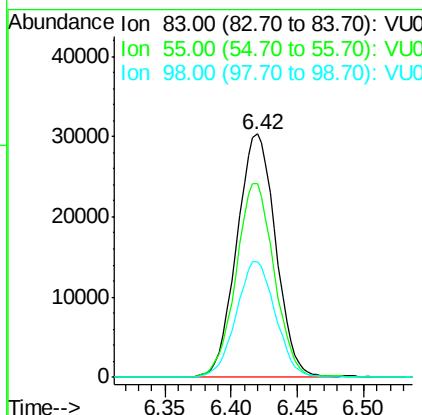
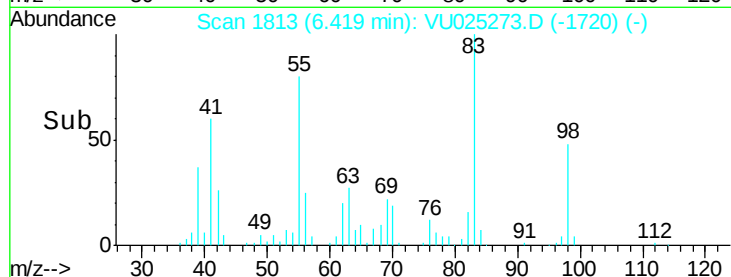
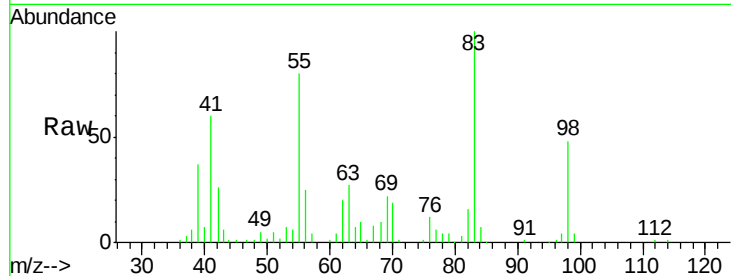
#39
Methvlcvclohexane
Concen: 18.93 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	61921
Ion Ratio	100	Lower	Upper
83	100		
55	79.7	60.0	90.0
98	47.7	36.1	54.1

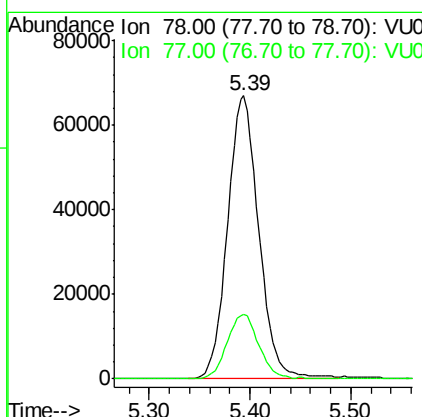
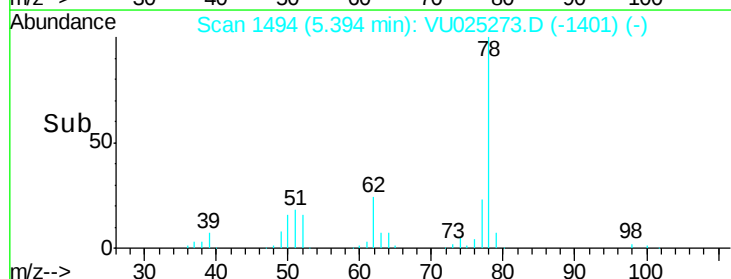
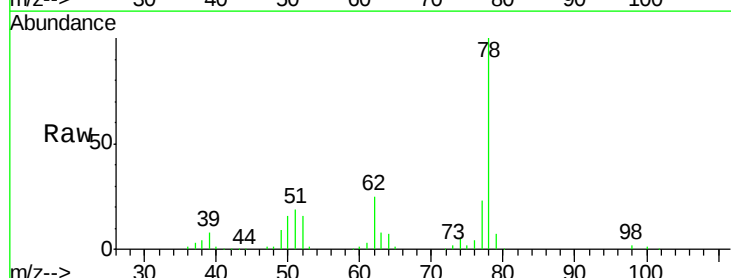
Manual Integrations
APPROVED

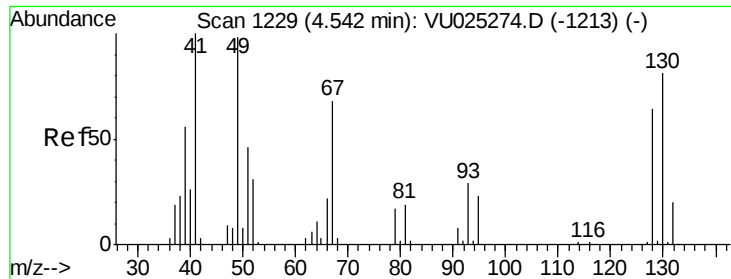
MMDadoda
7/10/2018 2:33:17 PM



#40
Benzene
Concen: 19.10 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	78	Resp	144322
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.8	29.6





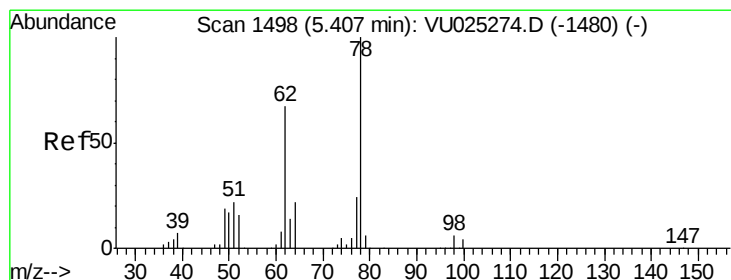
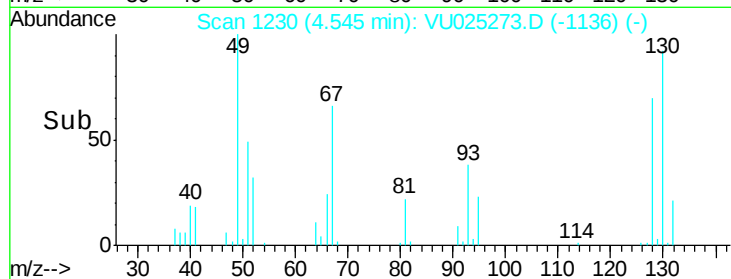
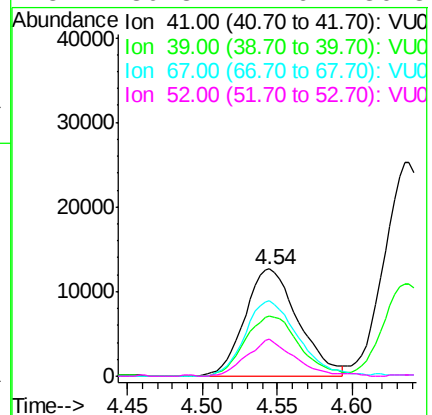
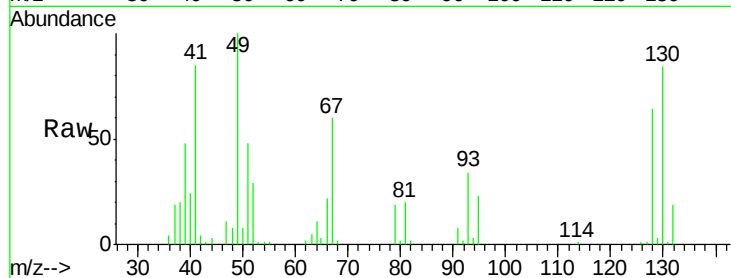
#41
Methacrylonitrile
Concen: 19.46 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	44.4	66.6
67	69.2	56.0	84.0
52	30.3	24.6	36.8

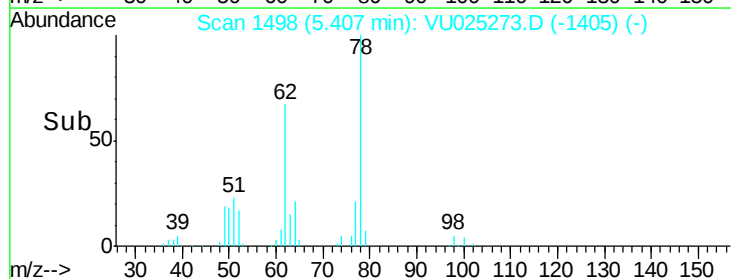
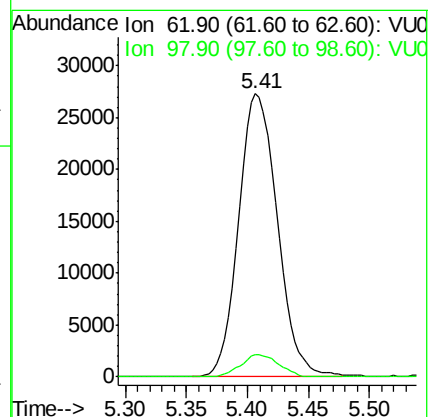
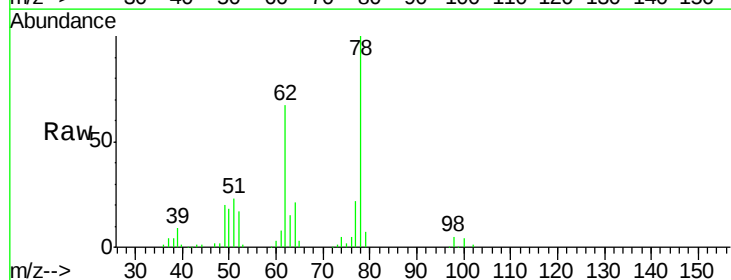
Manual Integrations
APPROVED

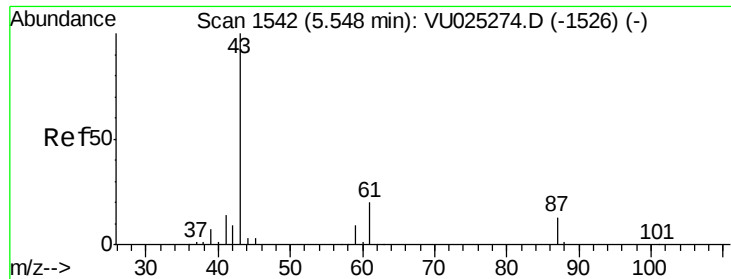
MMDadoda
7/10/2018 2:33:17 PM



#42
1,2-Dichloroethane
Concen: 20.03 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.52 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

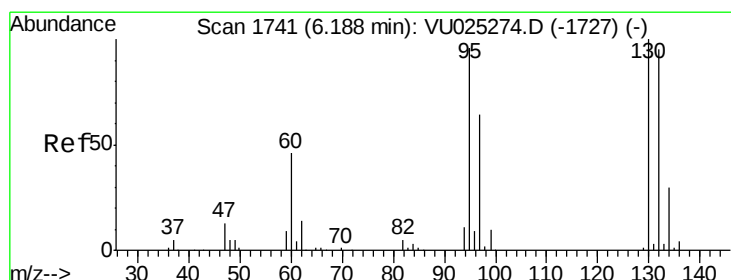
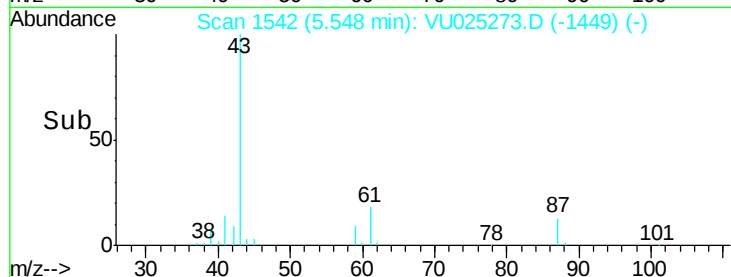
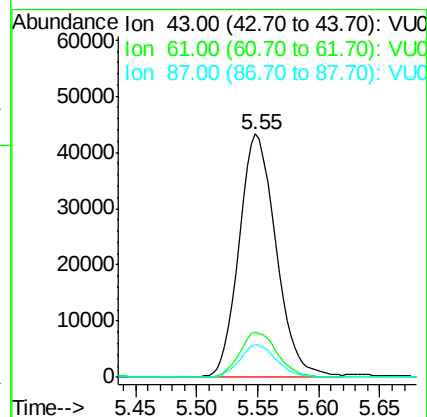
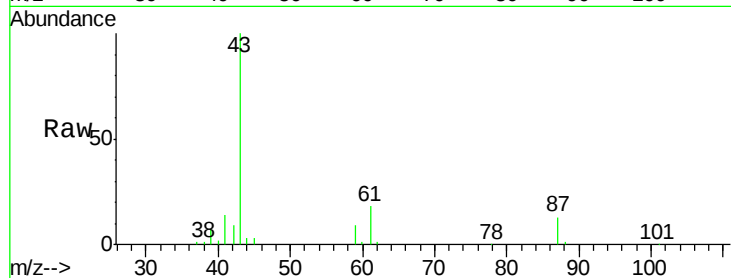
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	91408
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.5	23.3
87	13.1	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#44

Trichloroethene

Concen: 18.26 ug/l

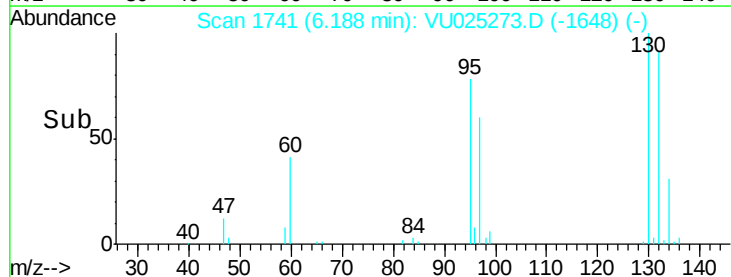
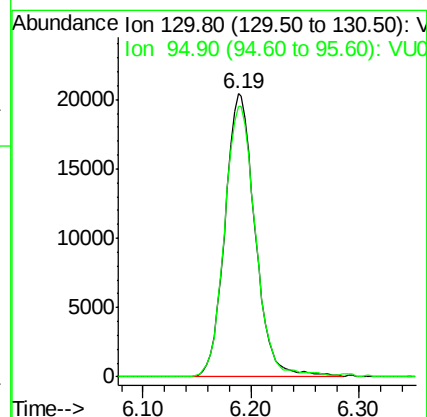
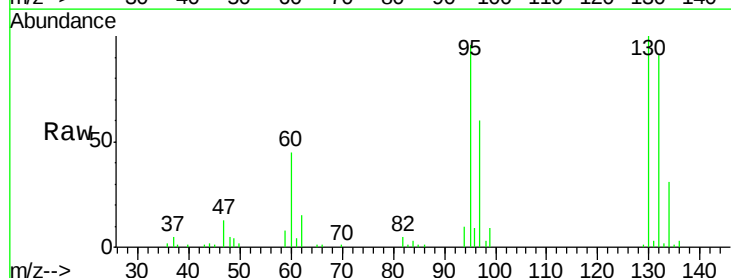
RT: 6.19 min Scan# 1741

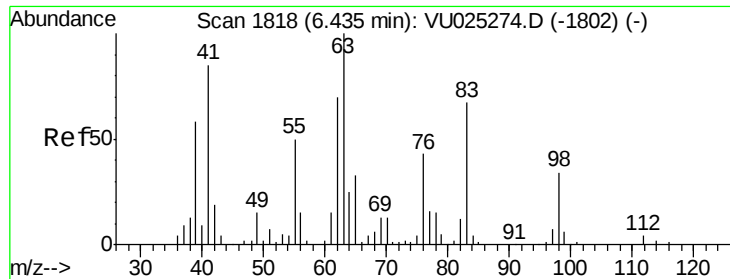
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	130	Resp:	39622
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	192.2





#45

1,2-Dichloropropane

Concen: 18.97 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 37539

Ion Ratio Lower Upper

63 100

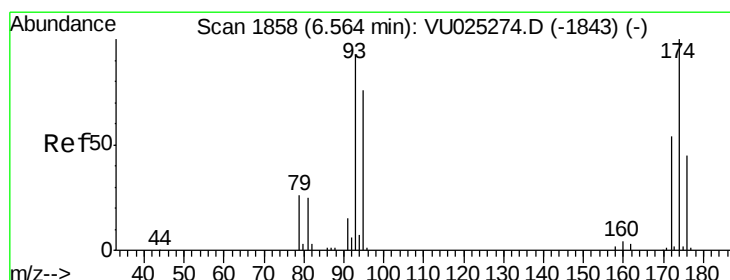
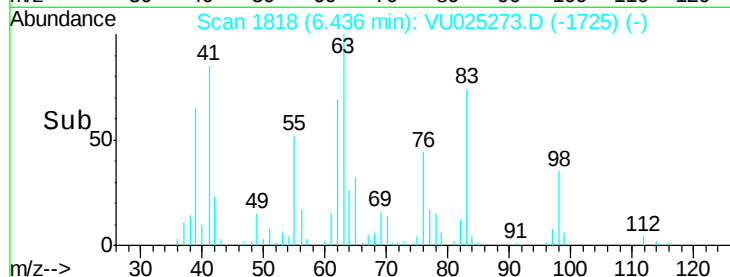
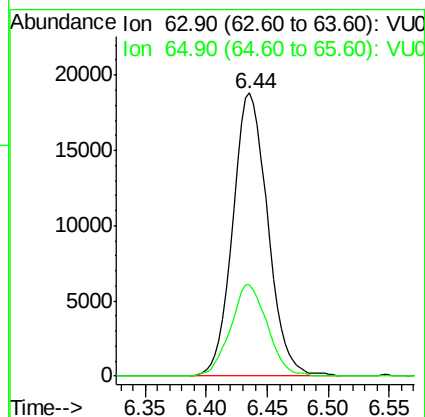
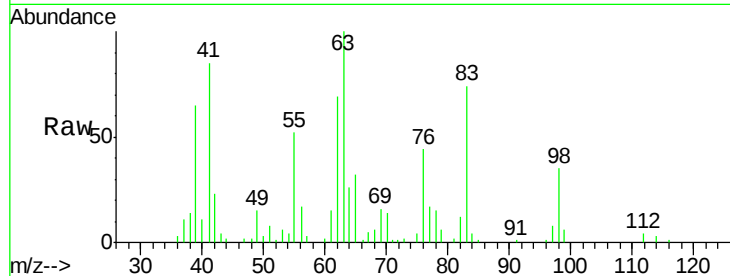
65 32.3 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



#46

Dibromomethane

Concen: 18.83 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

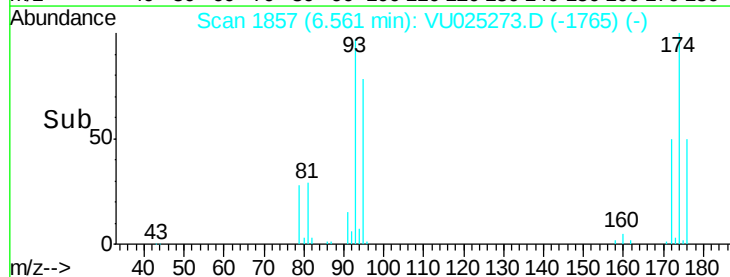
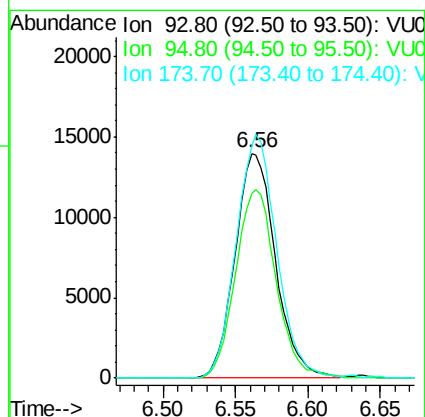
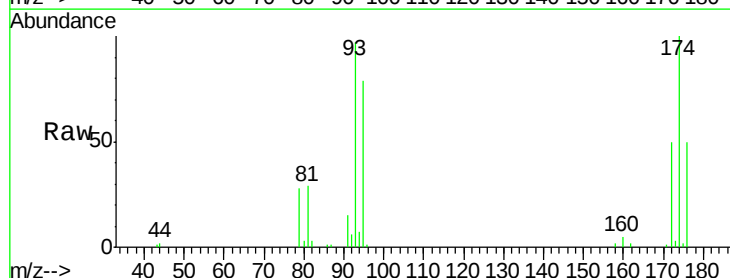
Tgt Ion: 93 Resp: 27116

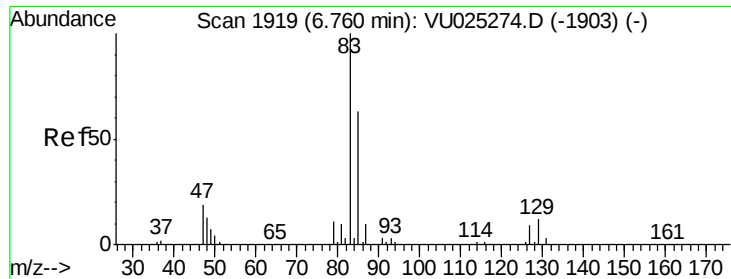
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 107.9 85.8 128.8





#47

Bromodichloromethane

Concen: 19.03 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

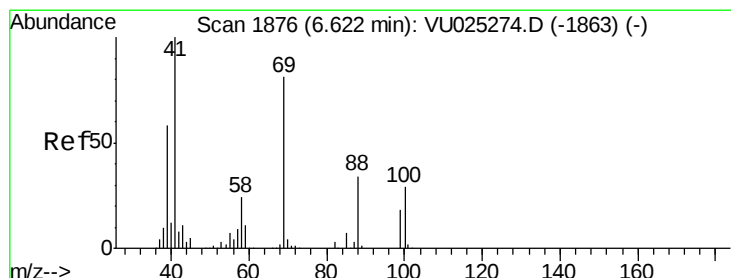
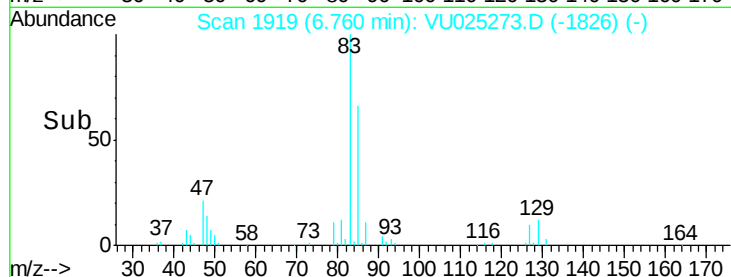
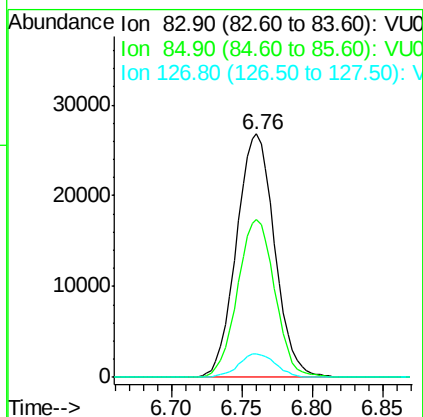
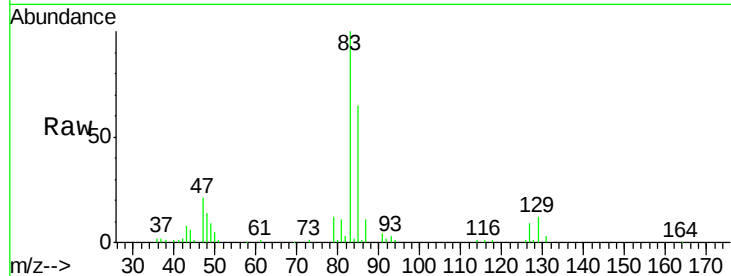
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	50908
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.2	75.4
127	9.4	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#48

Methyl methacrylate

Concen: 19.47 ug/l

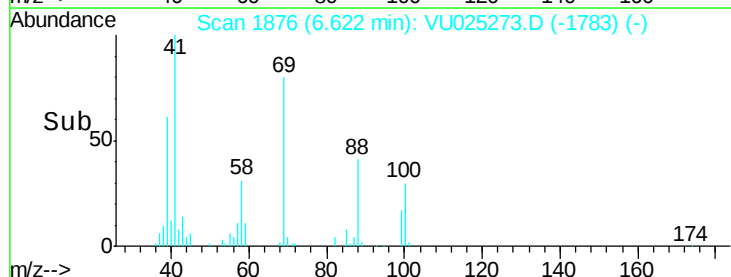
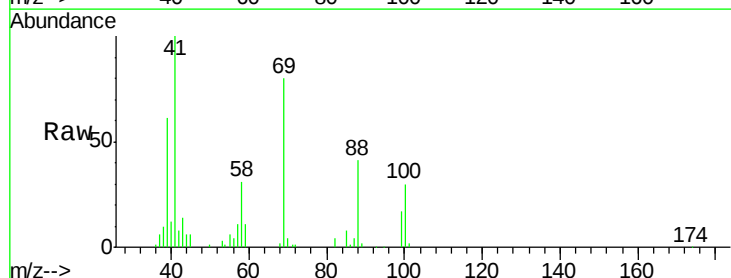
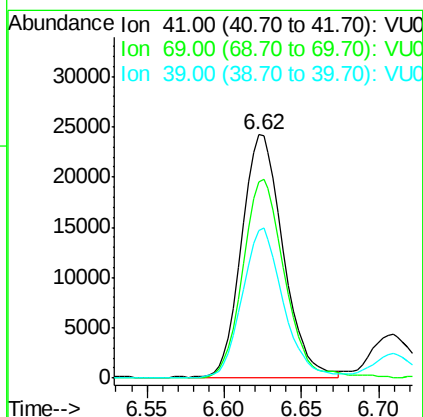
RT: 6.62 min Scan# 1876

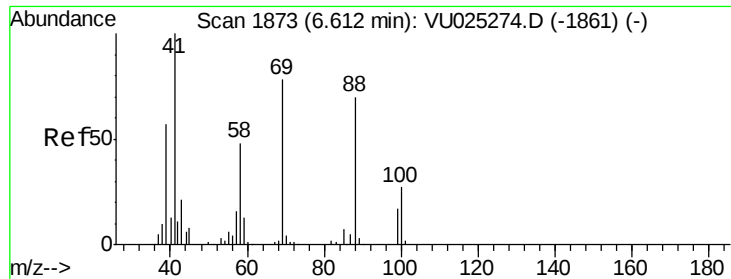
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	41	Resp:	45453
Ion	Ratio	Lower	Upper
41	100		
69	82.0	65.0	97.4
39	60.8	46.4	69.6





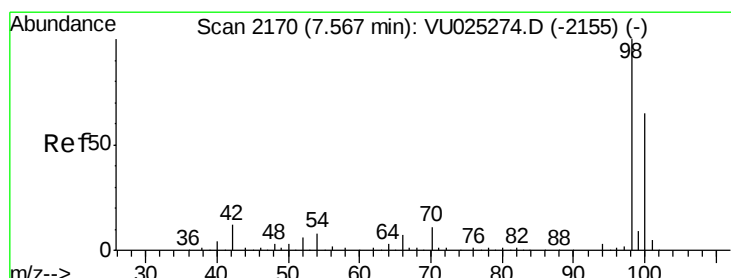
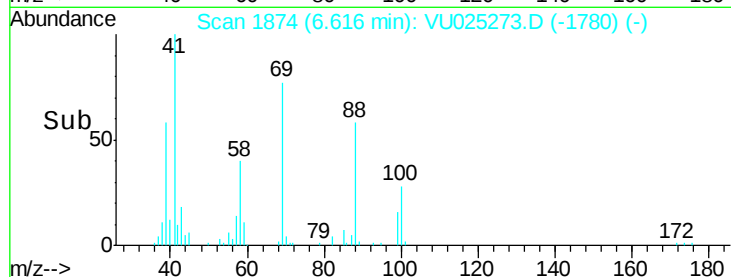
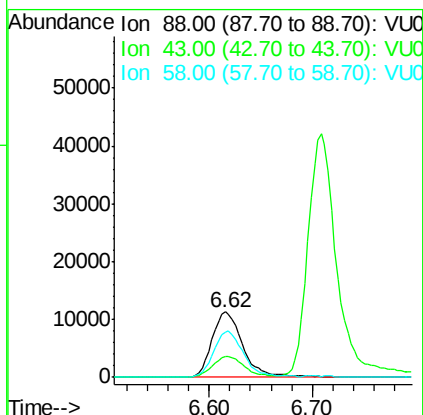
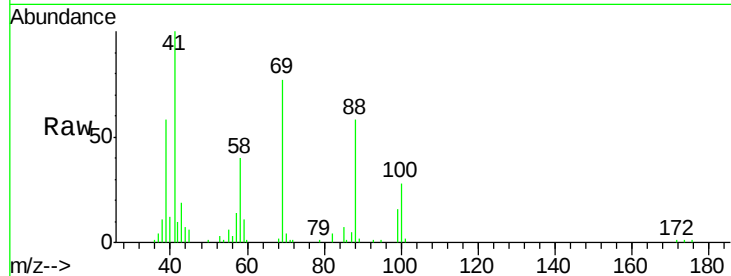
#49
1,4-Dioxane
Concen: 418.09 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	23487
Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.3	40.9
58	69.3	57.6	86.4

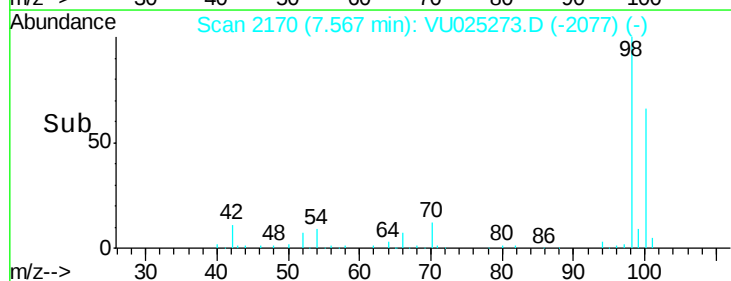
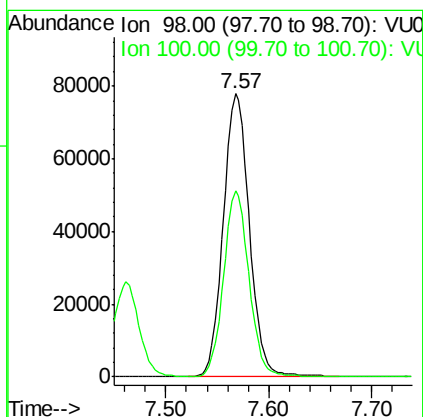
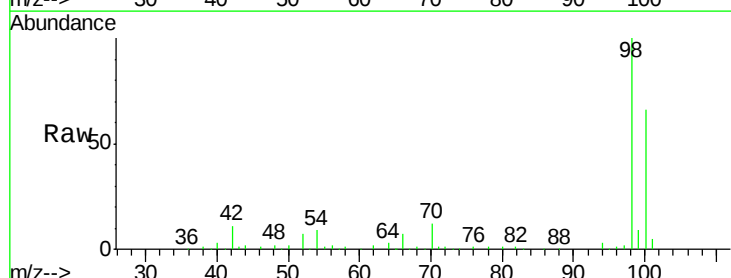
Manual Integrations
APPROVED

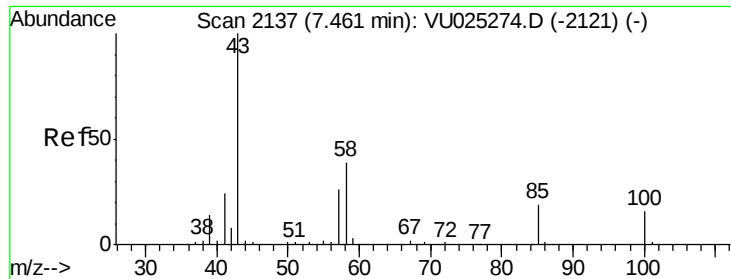
MMDadoda
7/10/2018 2:33:17 PM



#50
Toluene-d8
Concen: 20.25 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	98	Resp	137953
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 97.54 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 296891

Ion Ratio Lower Upper

43 100

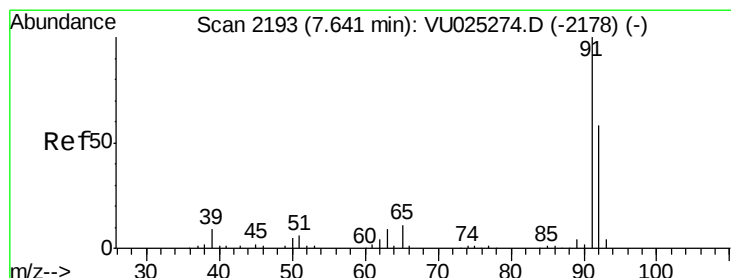
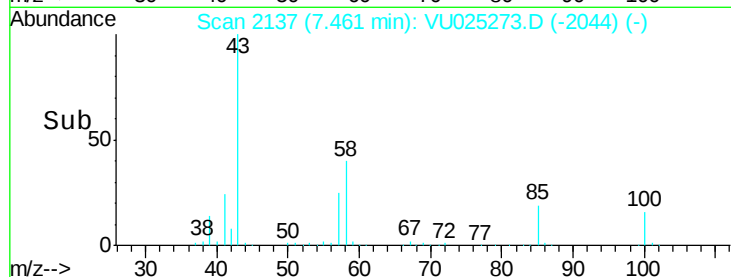
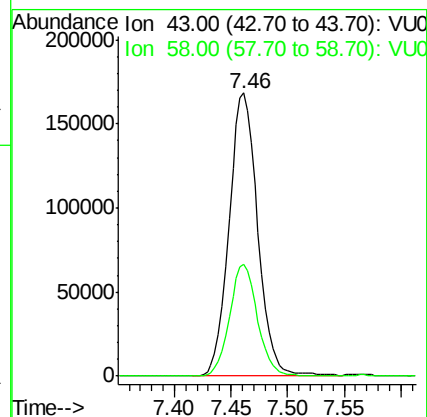
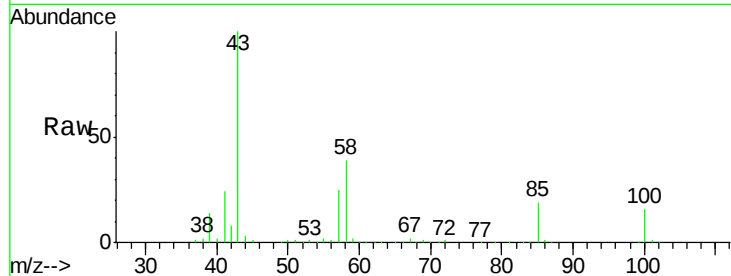
58 38.4 31.0 46.4

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



#52

Toluene

Concen: 18.90 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025273.D

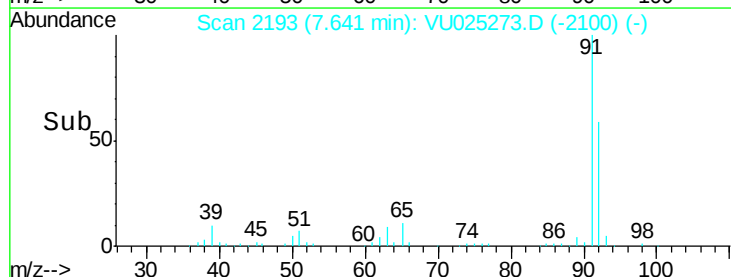
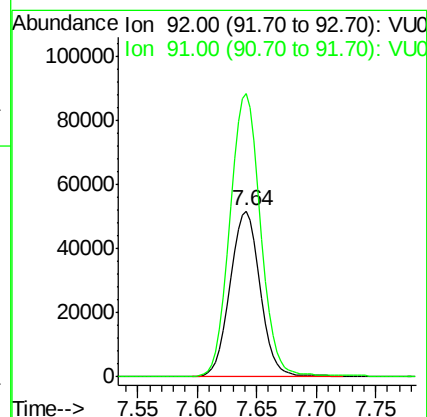
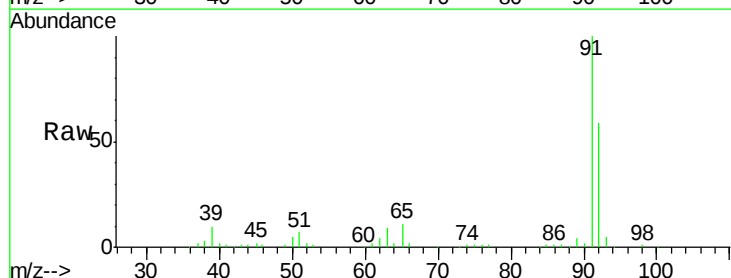
Acq: 09 Jul 2018 14:54

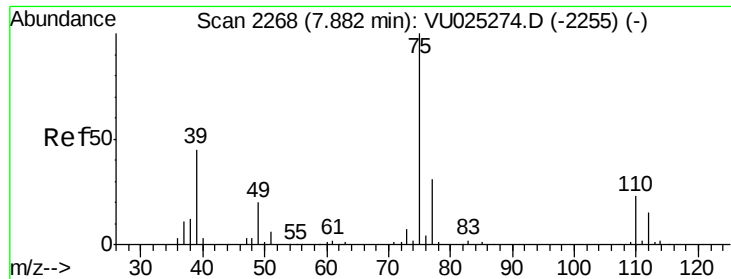
Tgt Ion: 92 Resp: 90886

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8





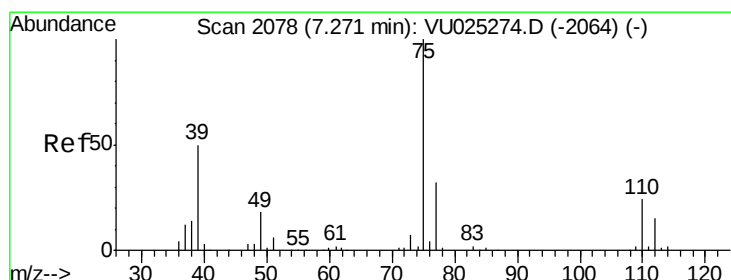
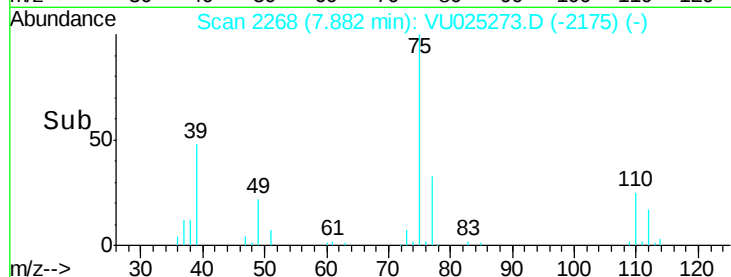
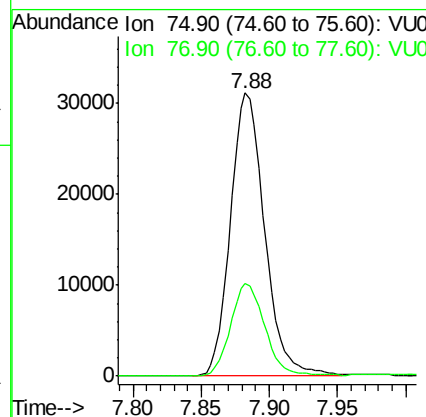
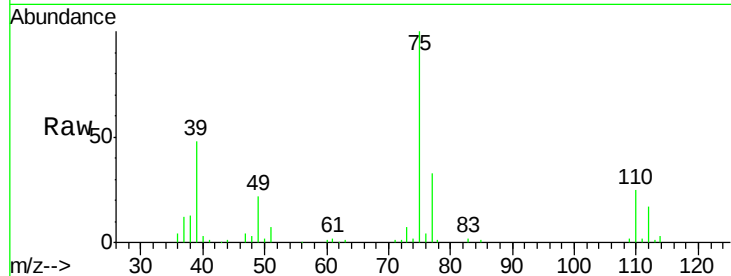
#53
t-1,3-Dichloropropene
Concen: 18.50 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 54391
Ion Ratio Lower Upper
75 100
77 32.6 24.5 36.7

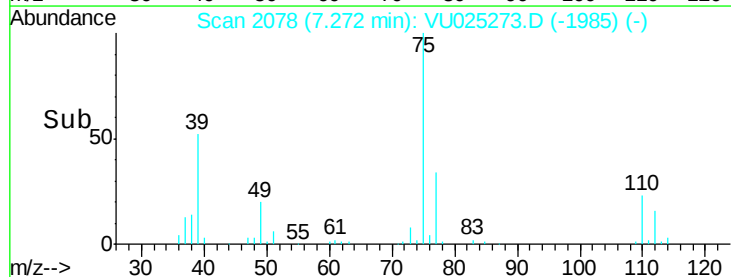
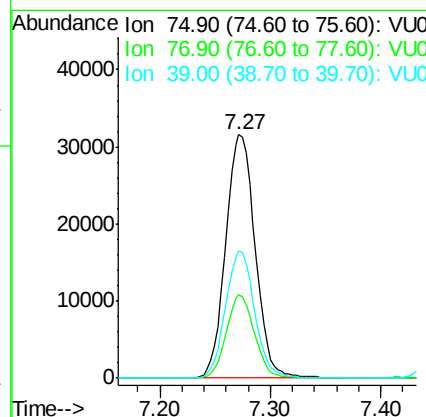
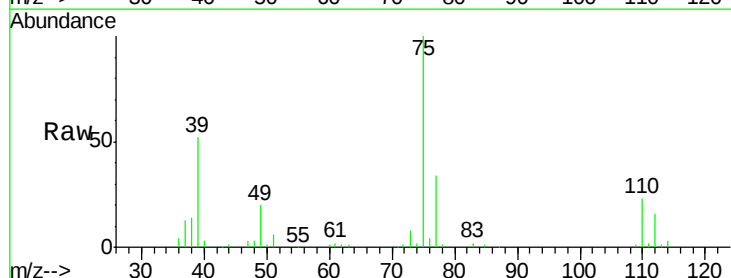
Manual Integrations
APPROVED

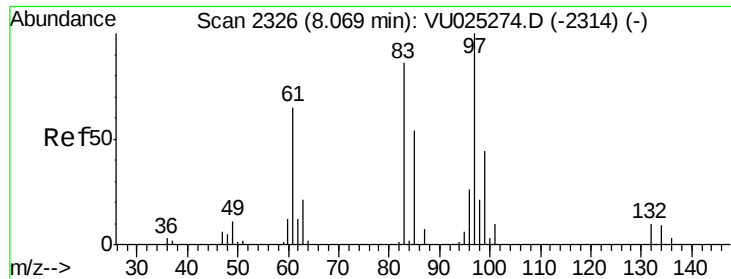
MMDadoda
7/10/2018 2:33:17 PM



#54
cis-1,3-Dichloropropene
Concen: 18.72 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 75 Resp: 58586
Ion Ratio Lower Upper
75 100
77 34.4 25.6 38.4
39 52.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 18.93 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

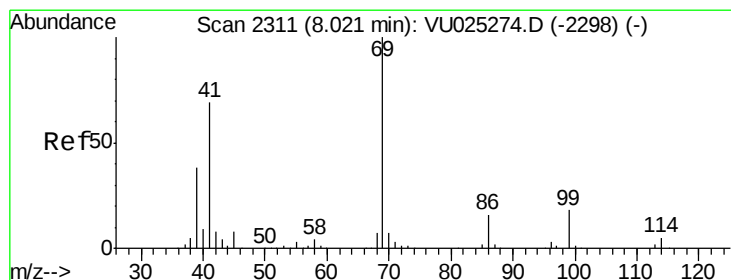
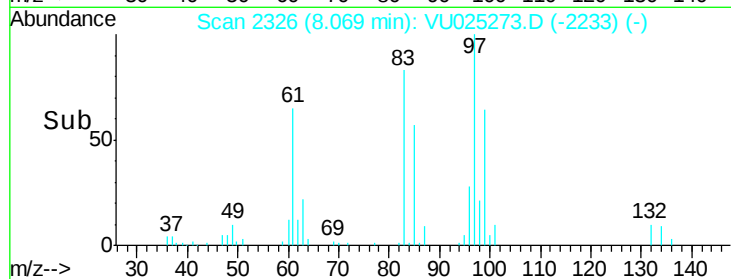
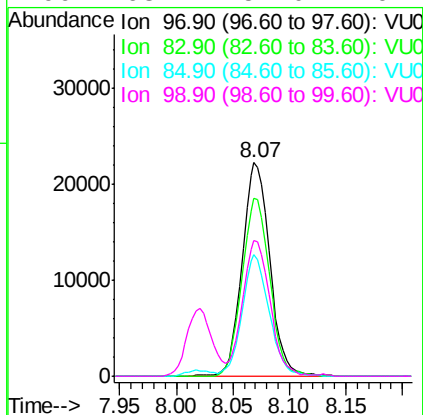
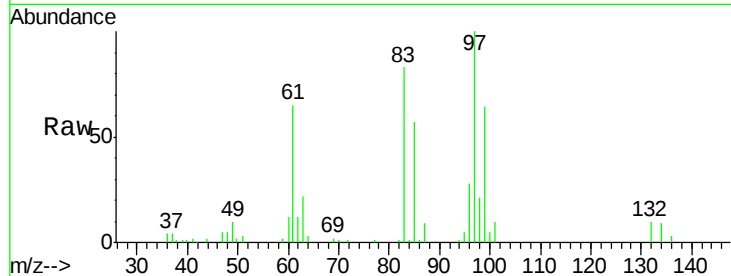
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	37912
Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.9	103.3
85	57.0	44.4	66.6
99	63.7	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#56

Ethyl methacrylate

Concen: 18.73 ug/l

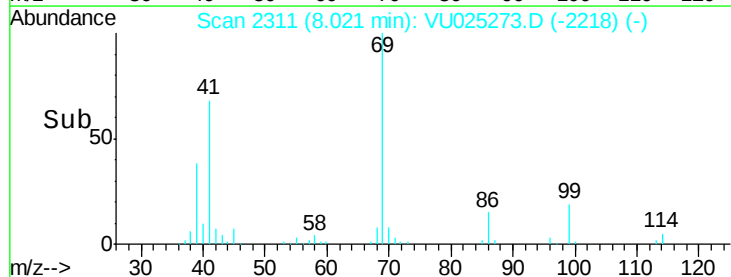
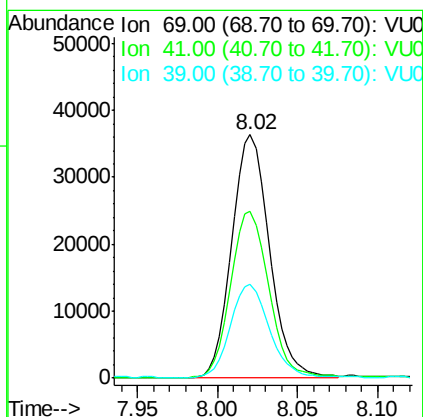
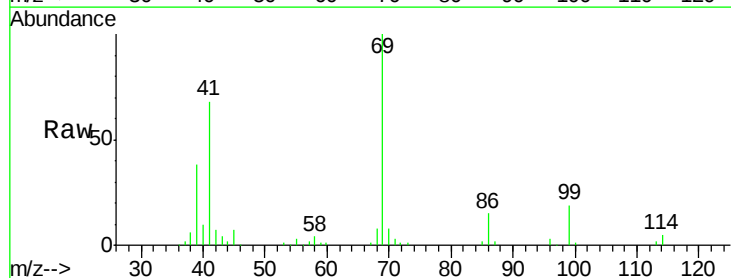
RT: 8.02 min Scan# 2311

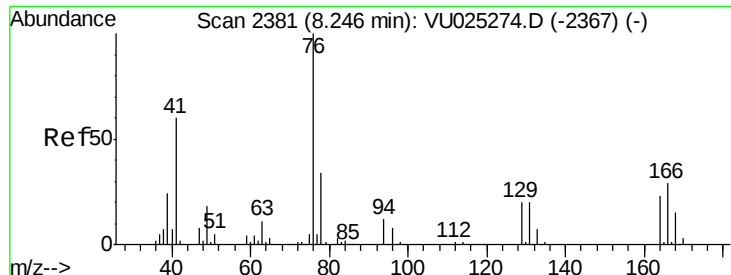
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	69	Resp:	58586
Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.8	82.2
39	40.5	31.1	46.7





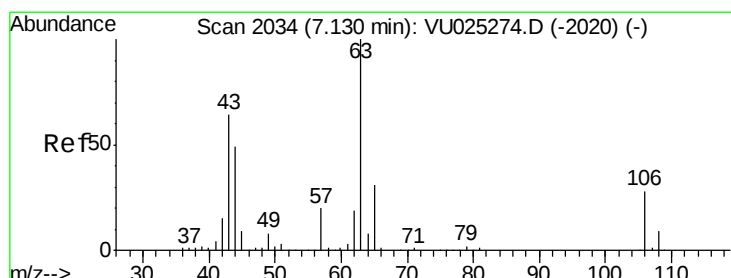
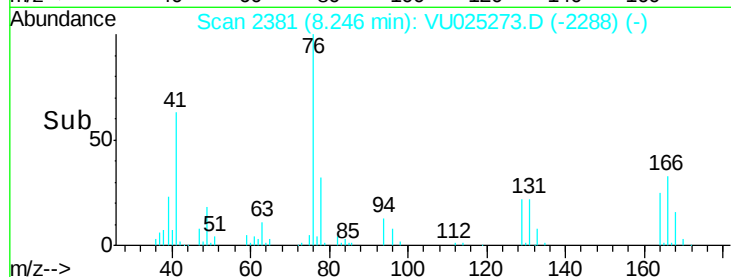
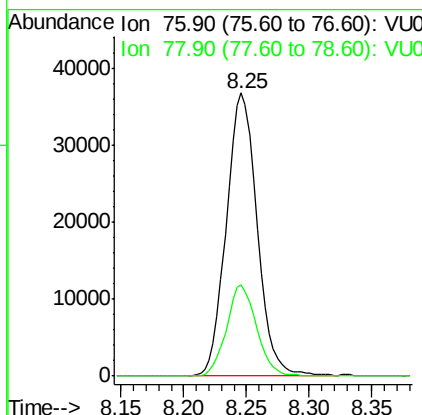
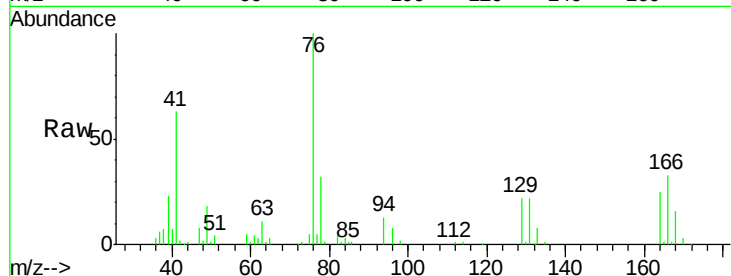
#57
 1,3-Dichloropropane
 Concen: 18.89 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 62807
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.1 39.1

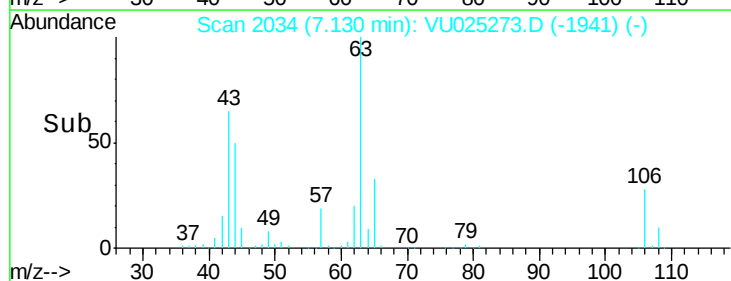
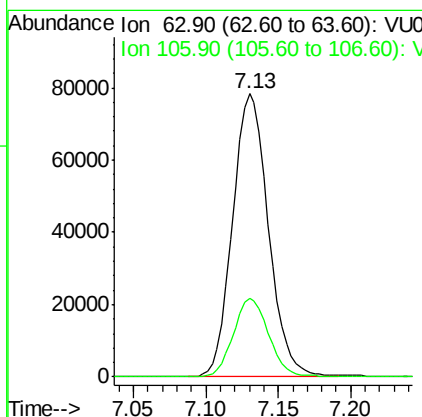
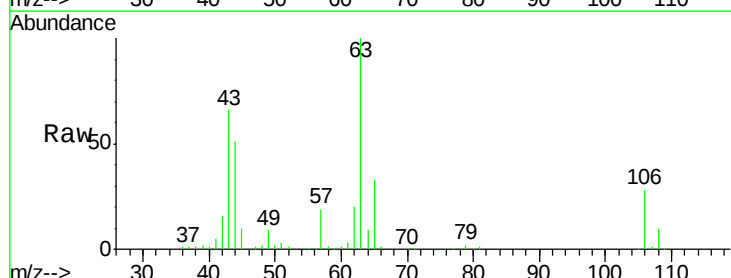
Manual Integrations
 APPROVED

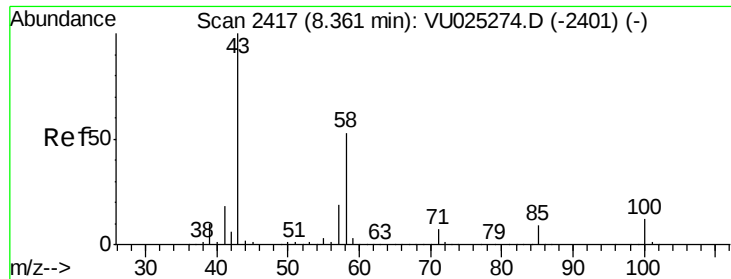
MMDadoda
 7/10/2018 2:33:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.89 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 63 Resp: 134513
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.3 33.5





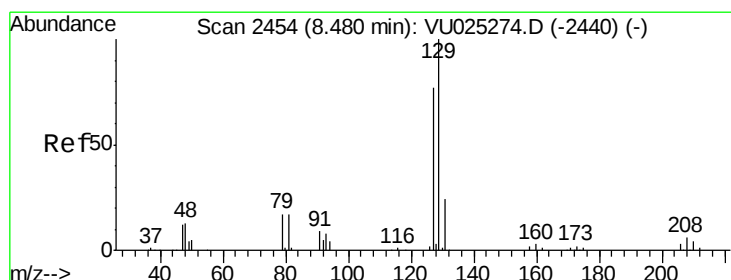
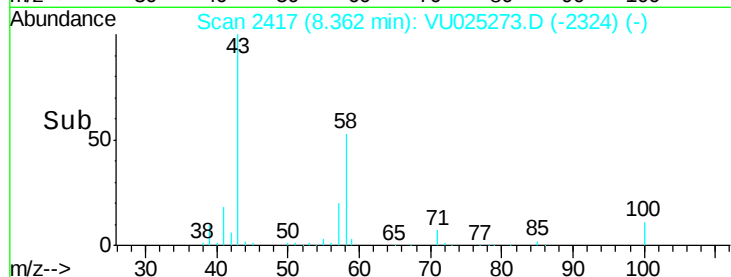
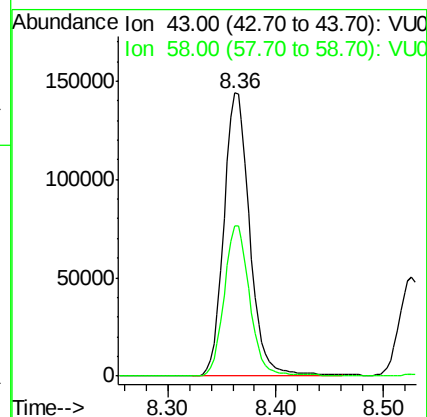
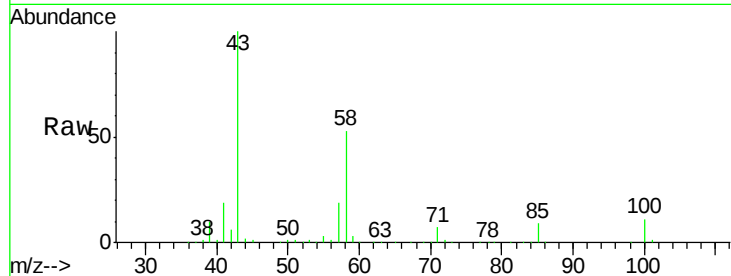
#59
2-Hexanone
Concen: 97.35 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.2	78.5

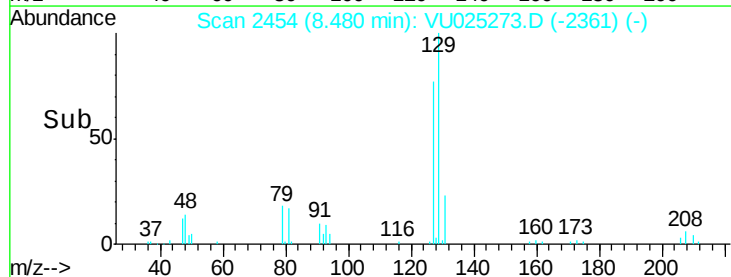
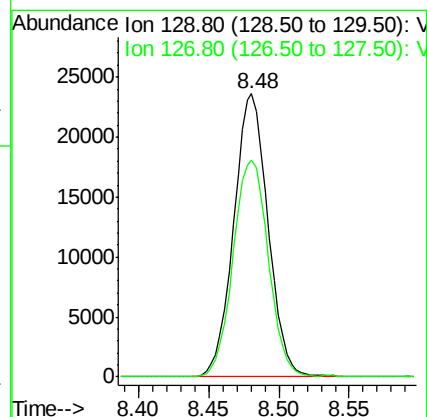
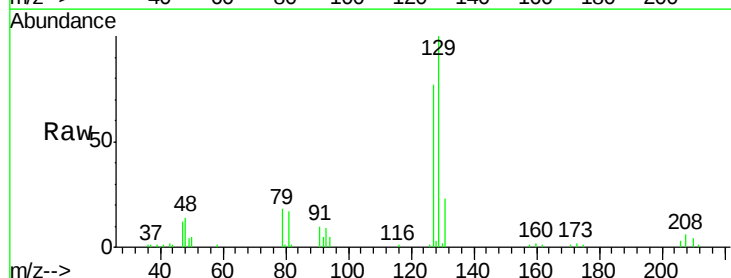
Manual Integrations
APPROVED

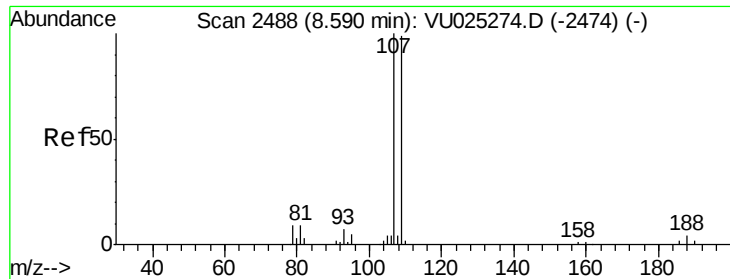
MMDadoda
7/10/2018 2:33:17 PM



#60
Dibromochloromethane
Concen: 18.56 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8





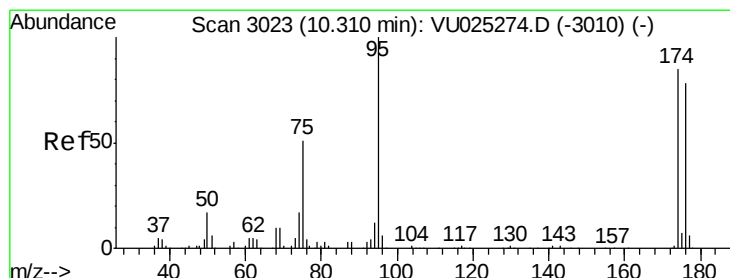
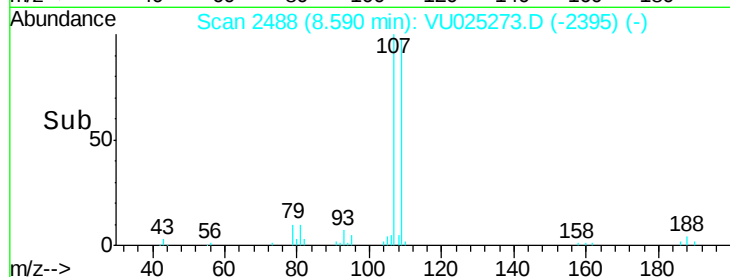
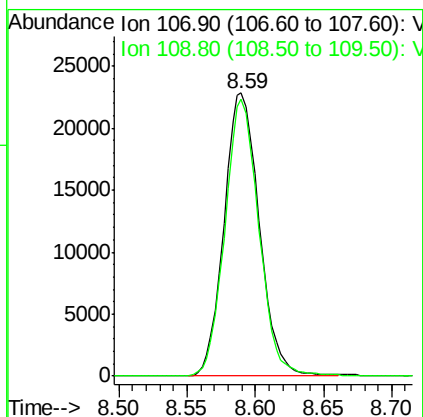
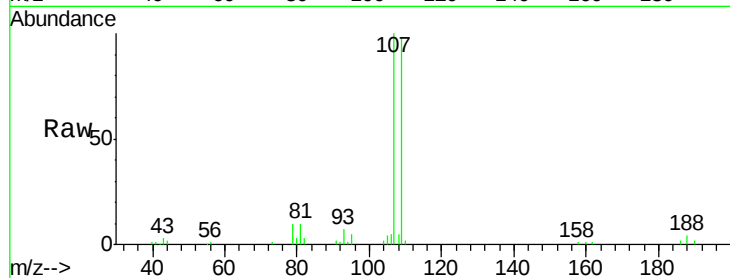
#61
 1,2-Dibromoethane
 Concen: 19.14 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.8	113.8

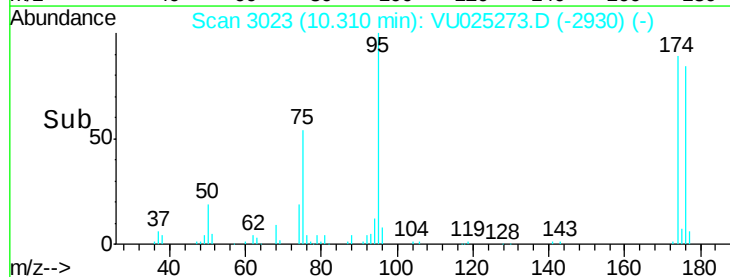
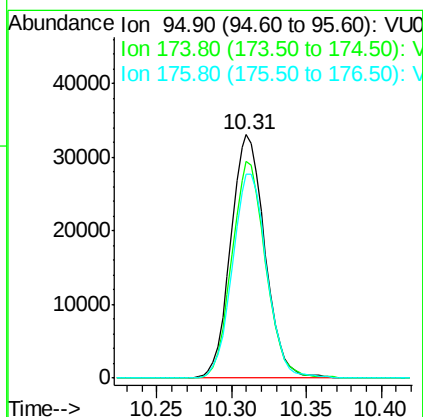
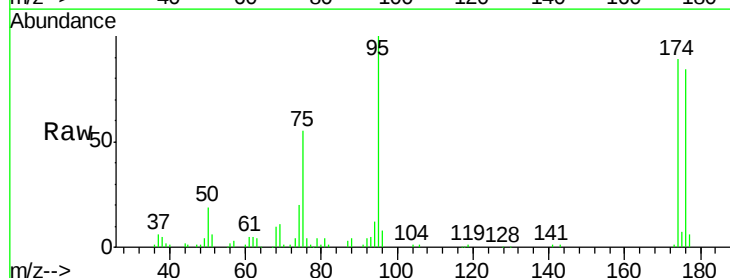
Manual Integrations
 APPROVED

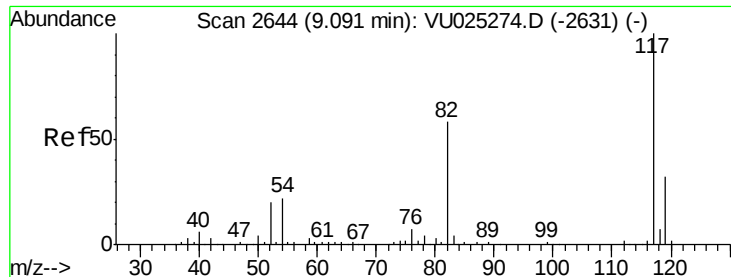
MMDadoda
 7/10/2018 2:33:17 PM



#62
 4-Bromofluorobenzene
 Concen: 19.11 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	172.2
176	84.6	0.0	162.6





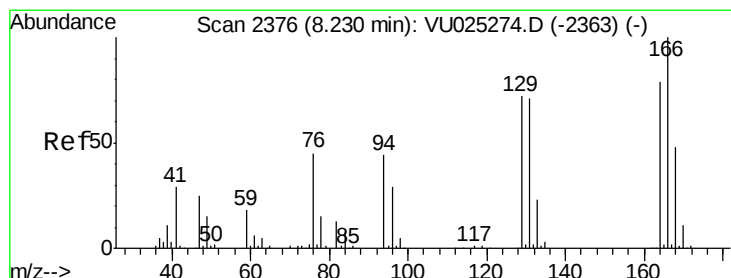
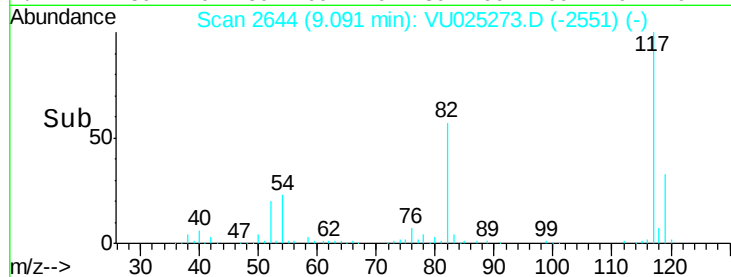
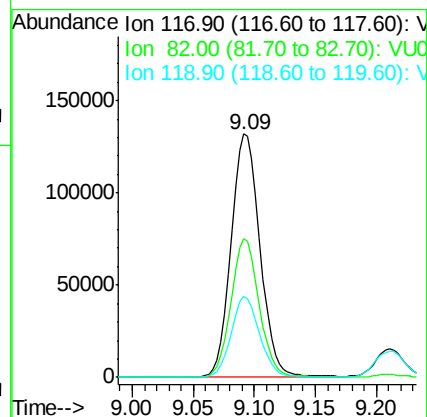
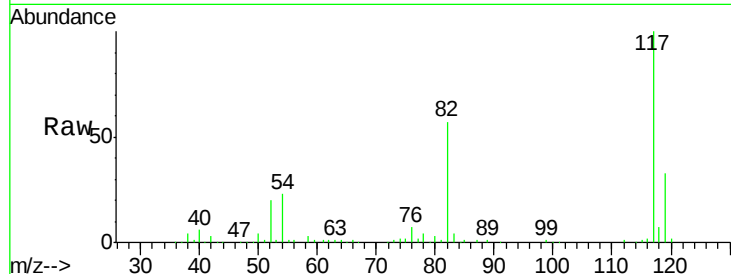
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.0	69.0
119	33.1	26.0	39.0

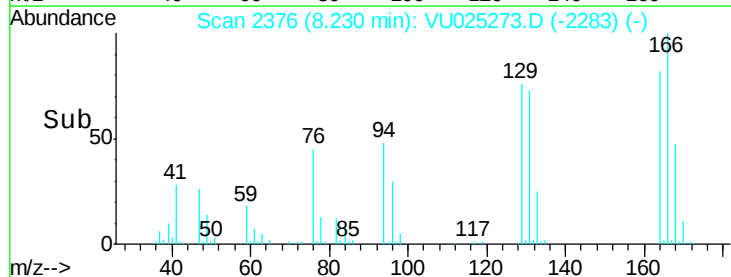
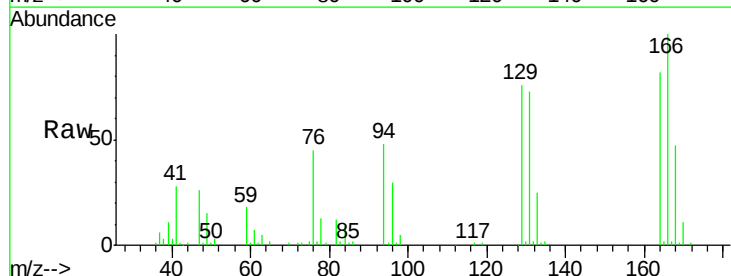
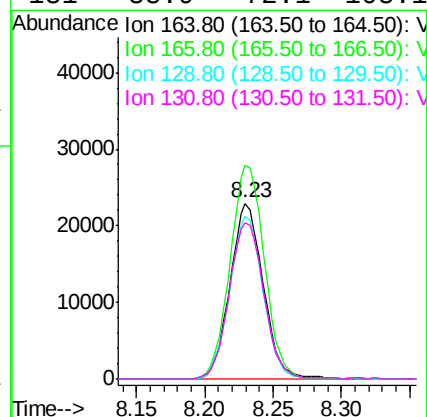
Manual Integrations
APPROVED

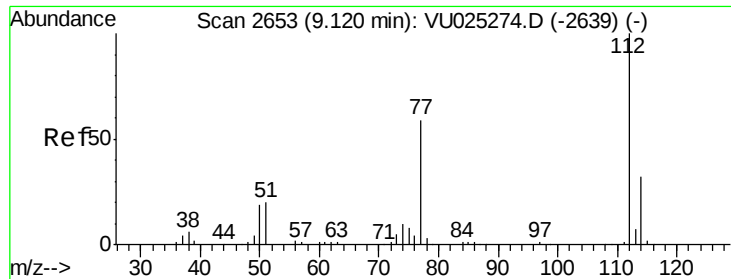
MMDadoda
7/10/2018 2:33:17 PM



#64
Tetrachloroethene
Concen: 19.39 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	101.1	151.7
129	92.4	73.0	109.6
131	88.9	72.1	108.1





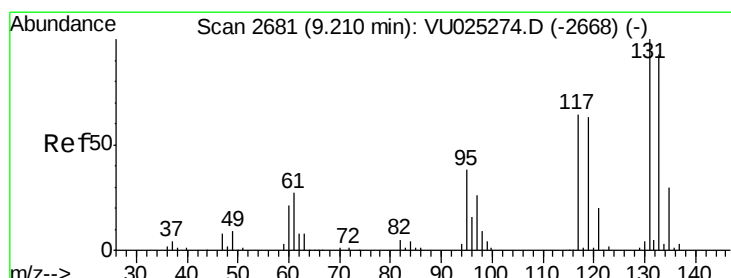
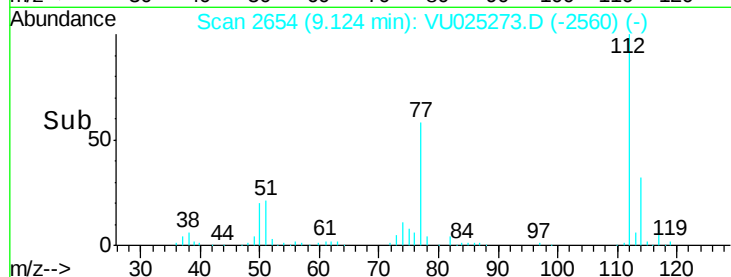
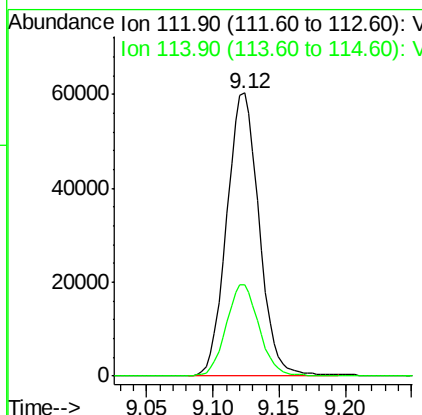
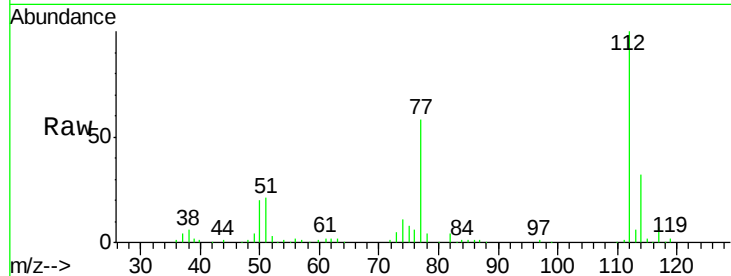
#65
Chlorobenzene
Concen: 18.69 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 102538
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

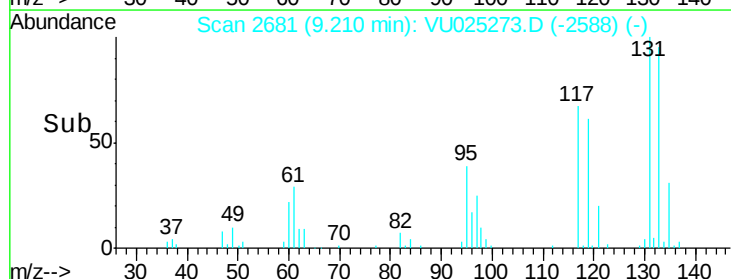
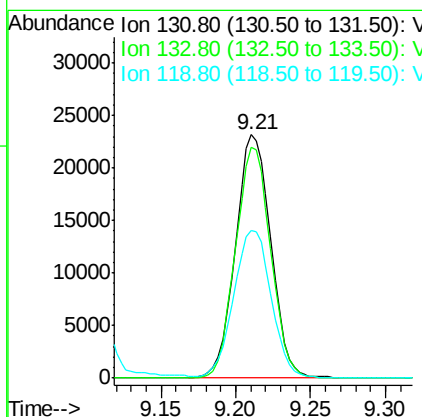
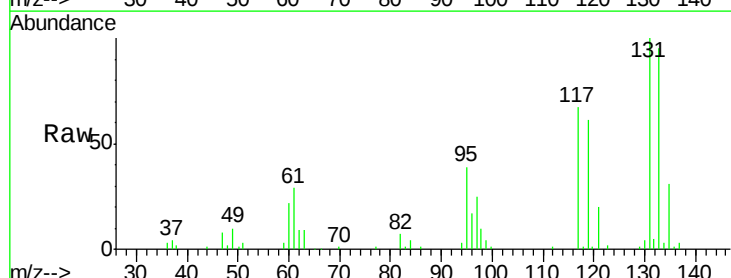
Manual Integrations
APPROVED

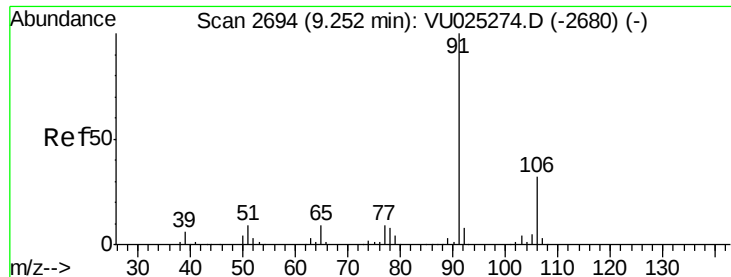
MMDadoda
7/10/2018 2:33:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.44 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion:131 Resp: 38144
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 64.5 31.6 95.0





#67

Ethyl Benzene

Concen: 18.90 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 176731

Ion Ratio Lower Upper

91 100

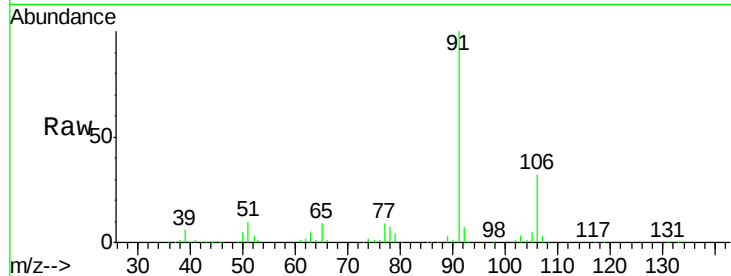
106 32.5 25.3 37.9

Manual Integrations

APPROVED

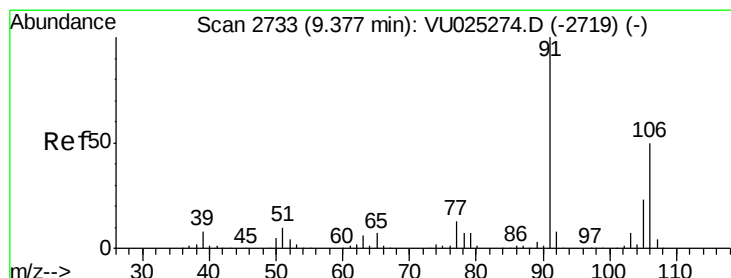
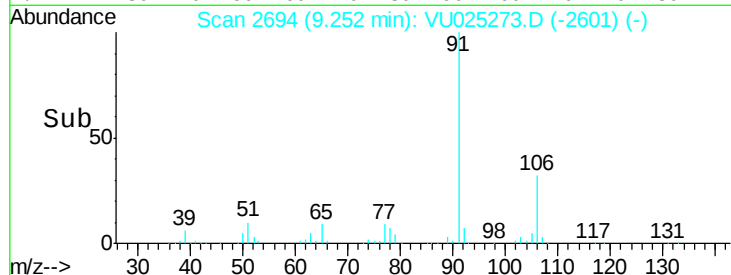
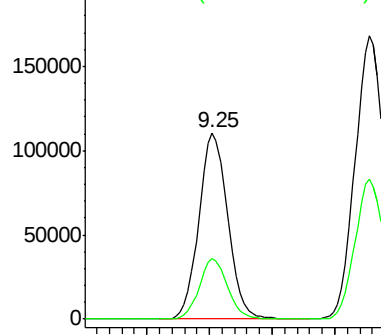
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.11 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025273.D

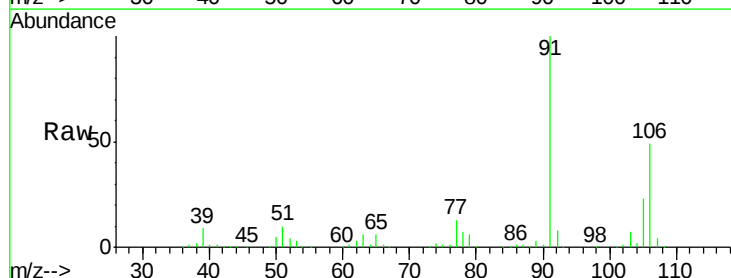
Acq: 09 Jul 2018 14:54

Tgt Ion: 106 Resp: 137789

Ion Ratio Lower Upper

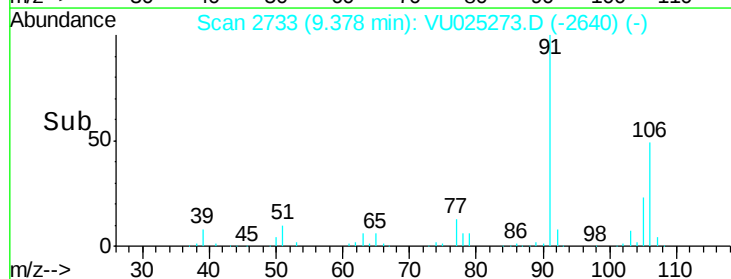
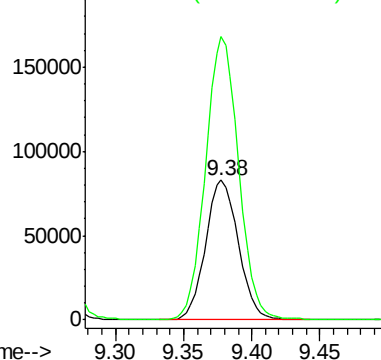
106 100

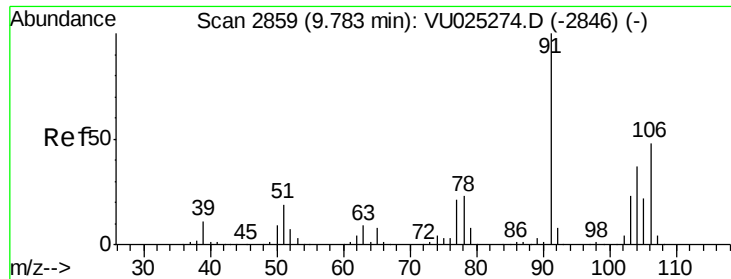
91 205.3 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





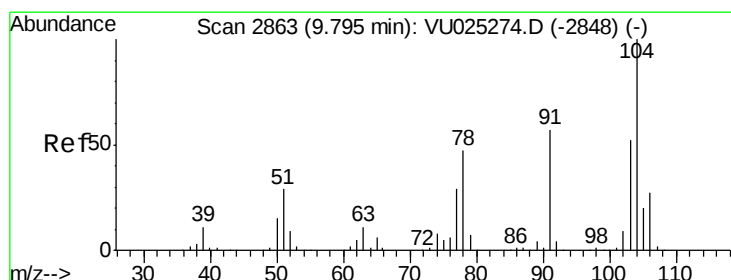
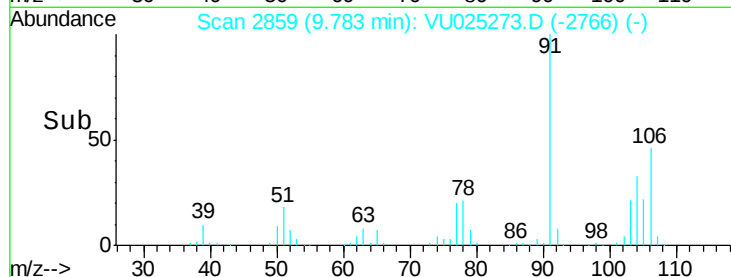
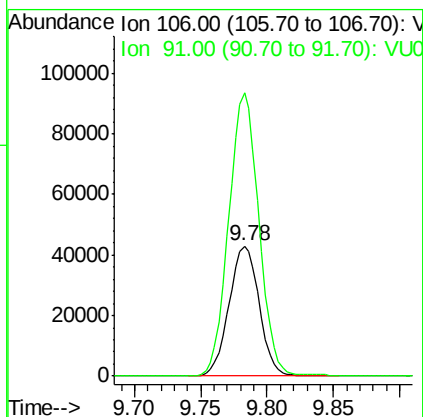
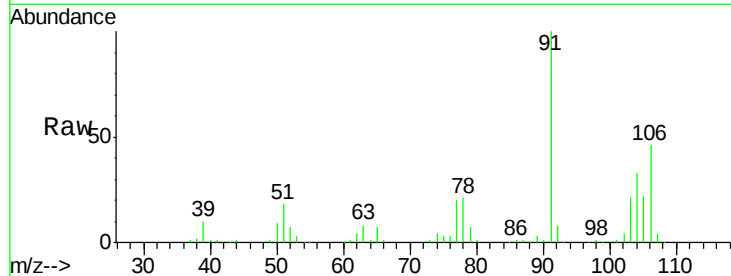
#69
o-Xylene
Concen: 18.73 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 67796
Ion Ratio Lower Upper
106 100
91 217.7 105.3 315.8

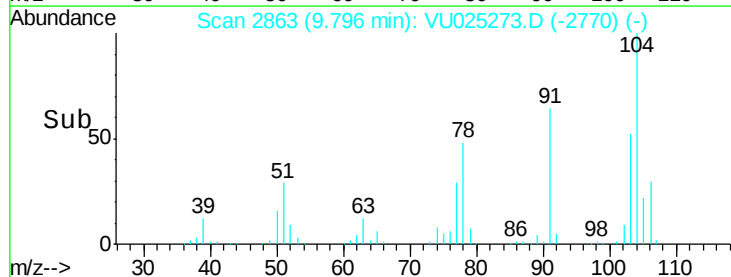
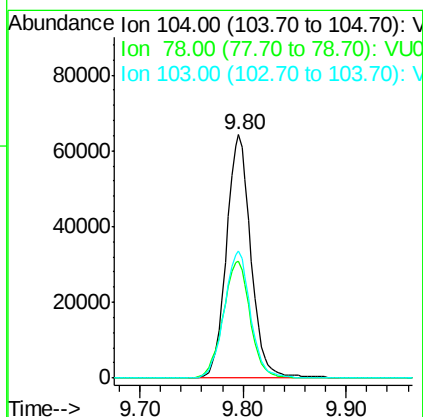
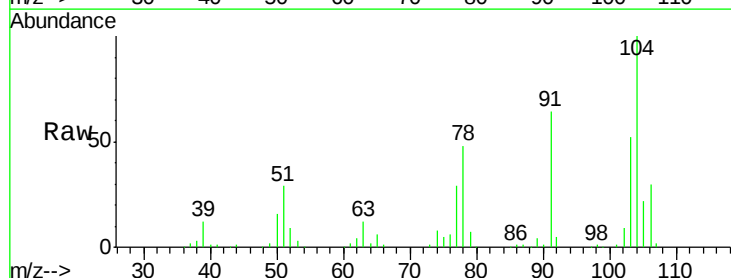
Manual Integrations
APPROVED

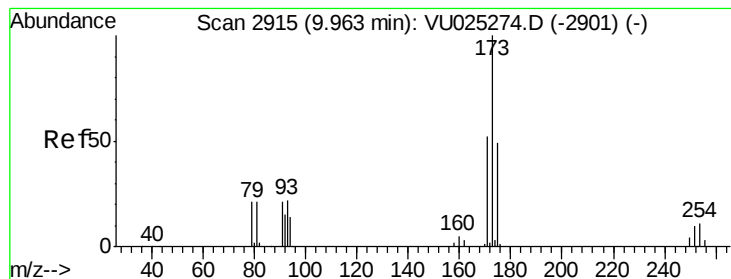
MMDadoda
7/10/2018 2:33:17 PM



#70
Styrene
Concen: 18.48 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion:104 Resp: 106278
Ion Ratio Lower Upper
104 100
78 52.9 41.6 62.4
103 55.9 44.6 66.8





#71

Bromoform

Concen: 18.32 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

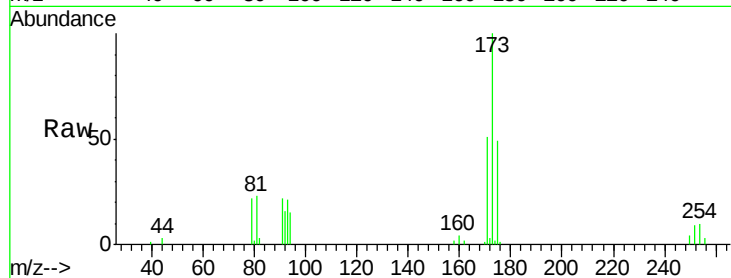
ClientSampleId :

VSTDIC020

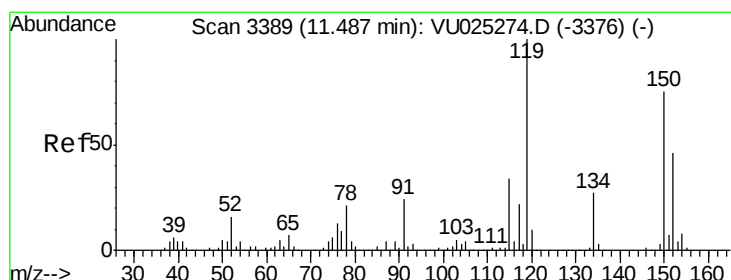
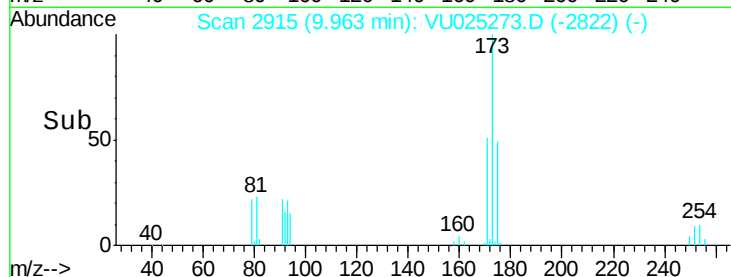
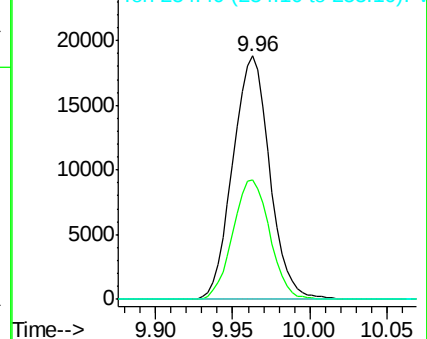
Tot Ion:	173	Resp:	31099
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

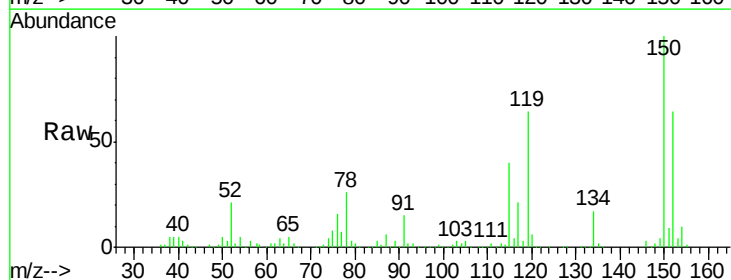
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

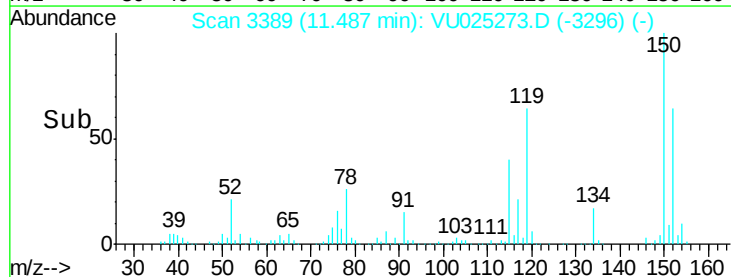
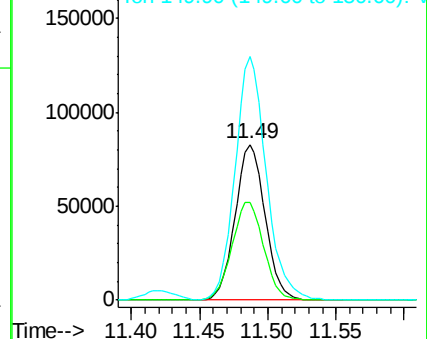
Lab File: VU025273.D

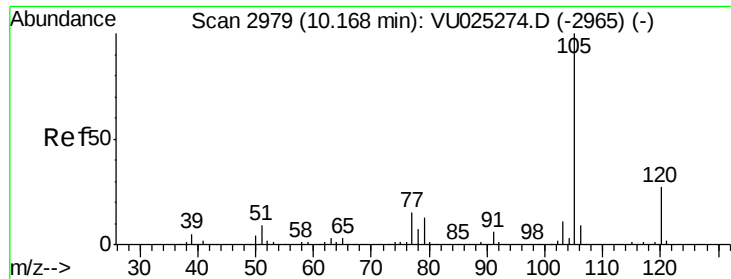
Acq: 09 Jul 2018 14:54

Tgt Ion:	152	Resp:	126242
Ion Ratio	Lower	Upper	
152	100		
115	66.8	40.1	120.3
150	162.4	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.15 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 184694

Ion Ratio Lower Upper

105 100

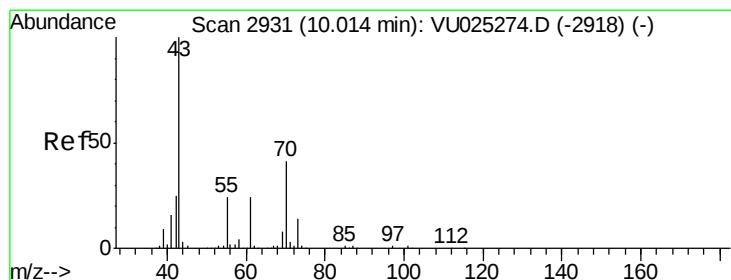
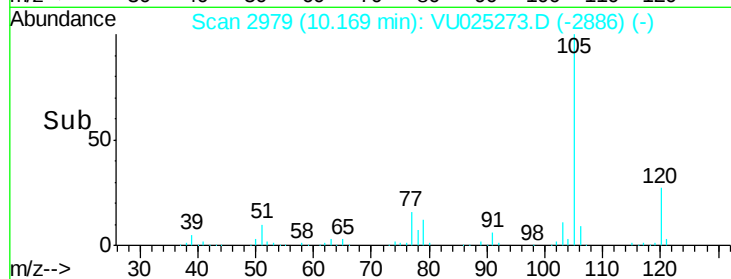
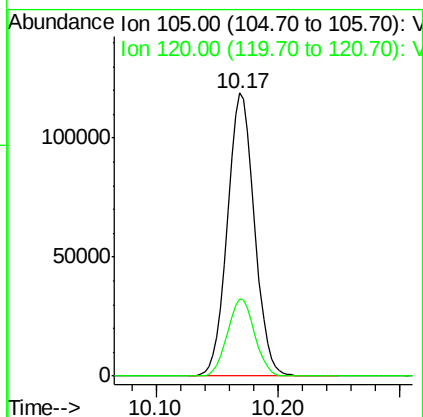
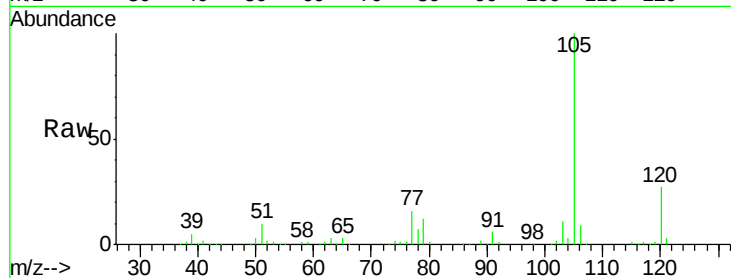
120 27.4 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

7/10/2018 2:33:17 PM



#74

N-ethyl acetate

Concen: 18.26 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion: 43 Resp: 76476

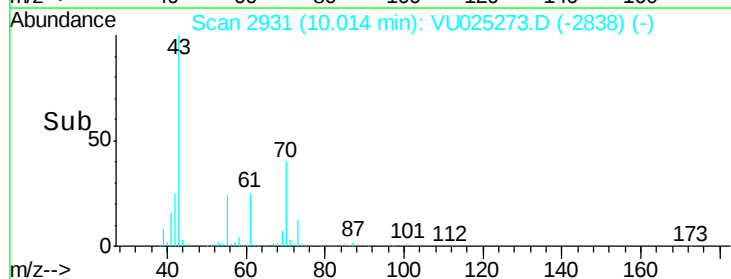
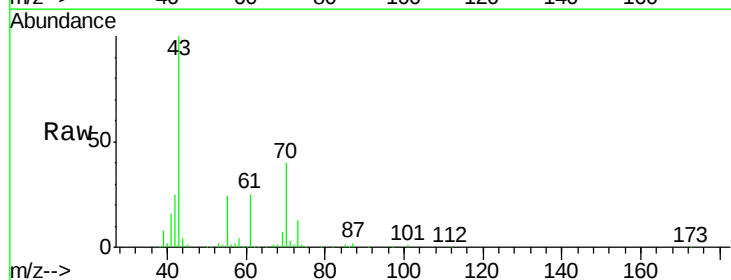
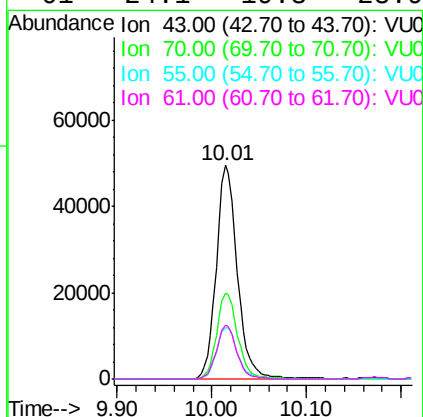
Ion Ratio Lower Upper

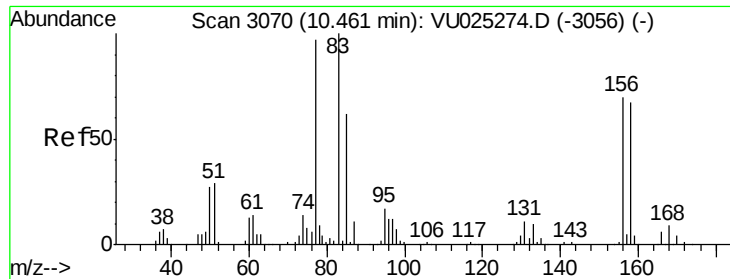
43 100

70 40.1 33.4 50.2

55 24.1 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.48 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

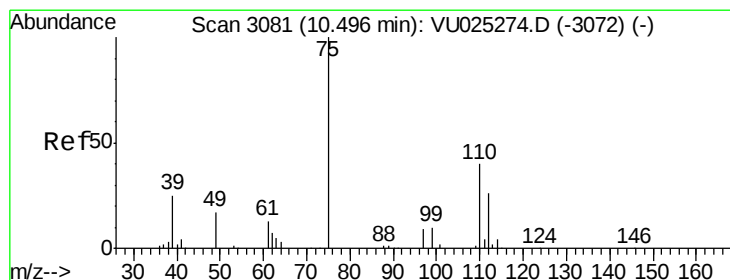
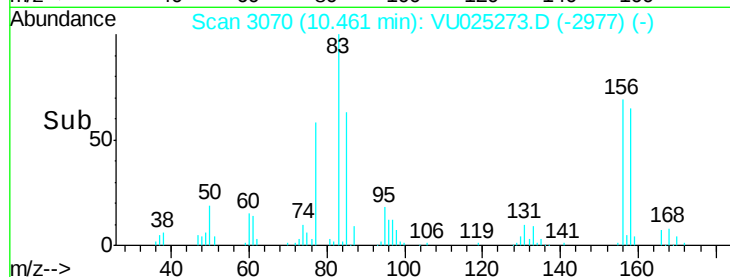
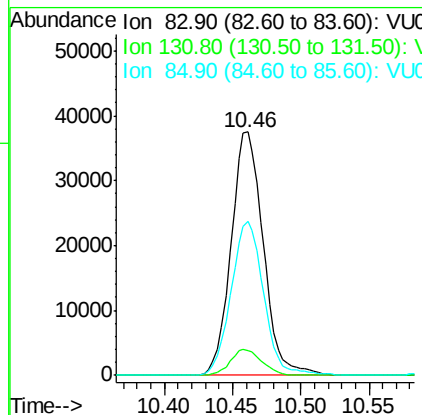
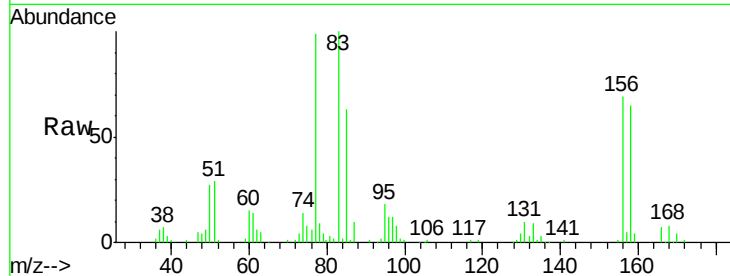
ClientSampleId :

VSTDIC020

Tot Ion	83	Resp	61480
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.5	16.4
85	64.1	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#76

1,2,3-Trichloropropane

Concen: 19.52 ug/l m

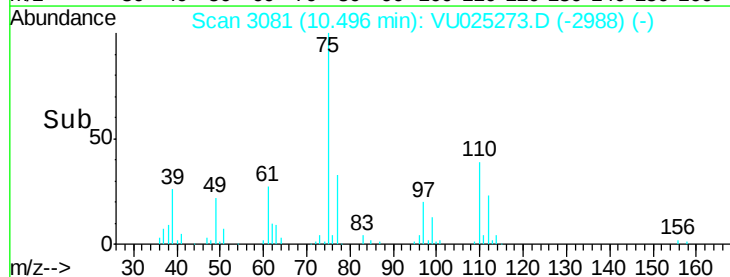
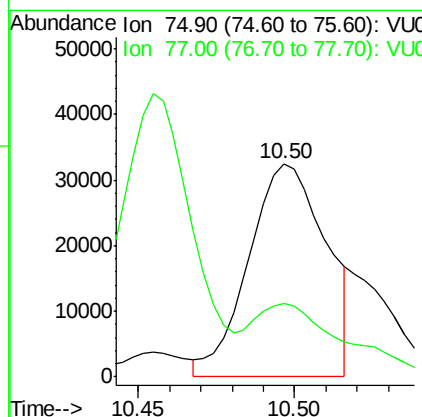
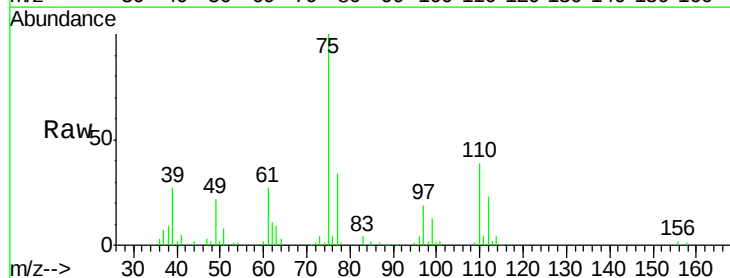
RT: 10.50 min Scan# 3081

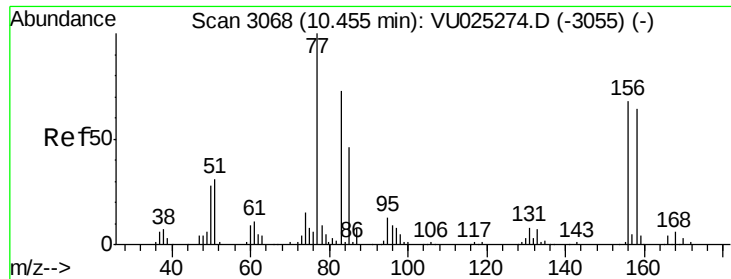
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion	75	Resp	55600
Ion Ratio	100	Lower	Upper
75	100		
77	40.0	20.4	61.3





#77

Bromobenzene

Concen: 18.81 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

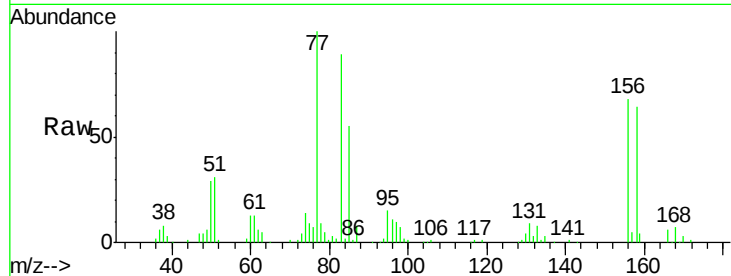
ClientSampleId :

VSTDIC020

Tot Ion	156	Resp	46424
Ion Ratio	Lower	Upper	
156	100		
77	149.4	73.8	221.4
158	96.4	48.0	144.0

Manual Integrations
APPROVED

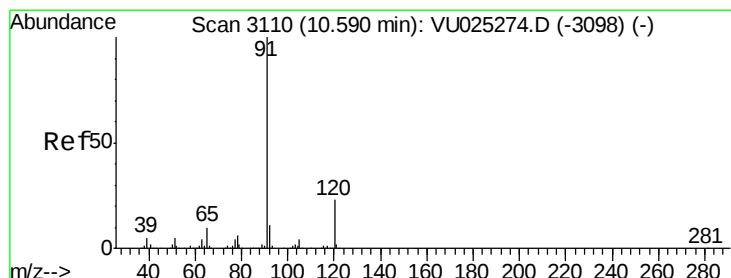
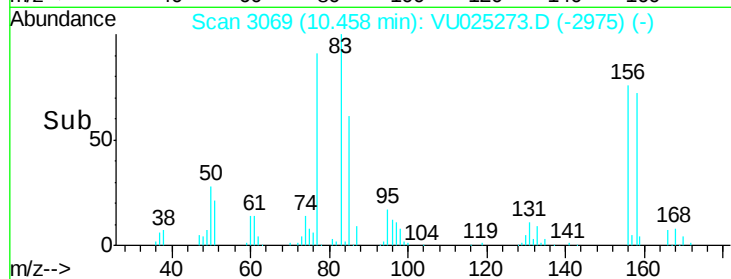
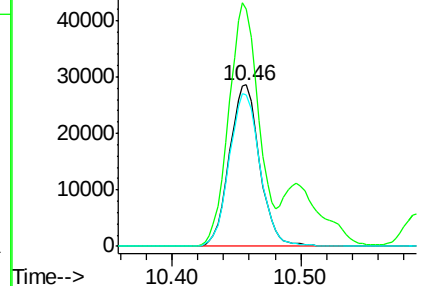
MMDadoda
7/10/2018 2:33:17 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.29 ug/l

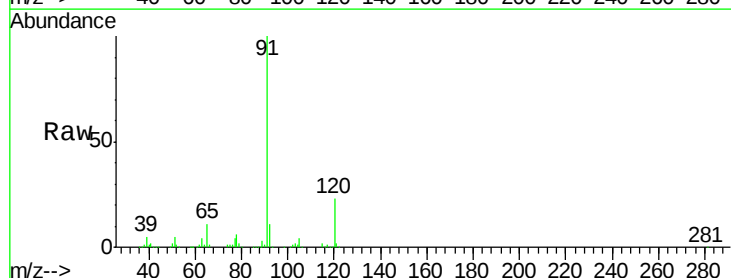
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025273.D

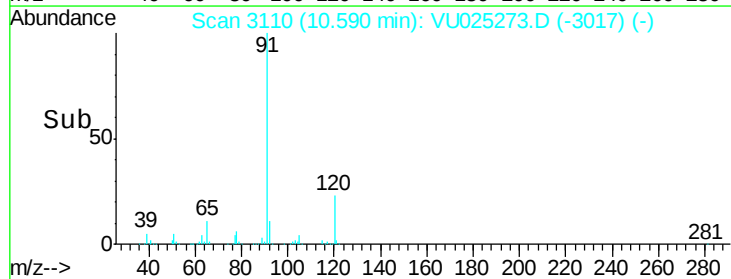
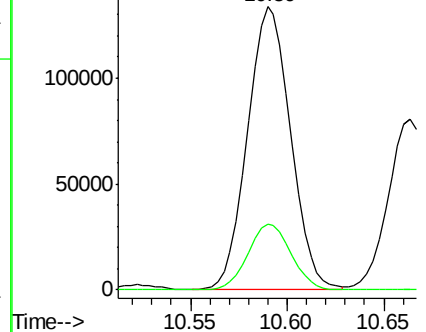
Acq: 09 Jul 2018 14:54

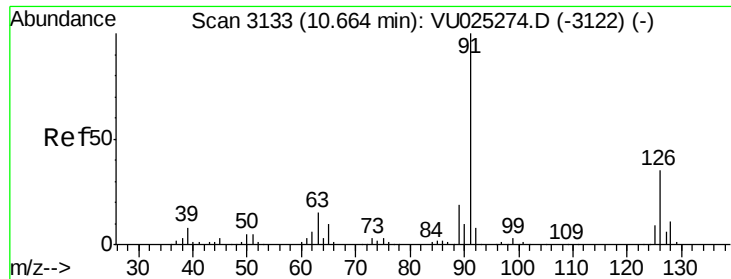
Tgt Ion	91	Resp	206450
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.76 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 125647

Ion Ratio Lower Upper

91 100

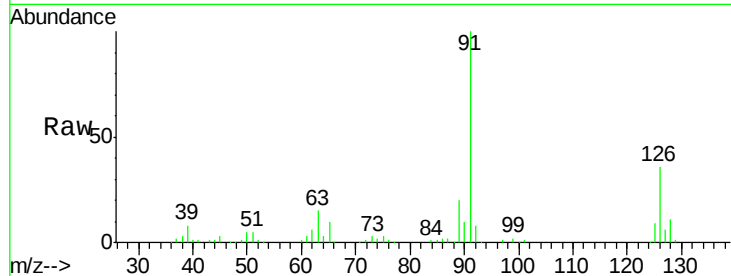
126 35.7 17.5 52.6

Manual Integrations

APPROVED

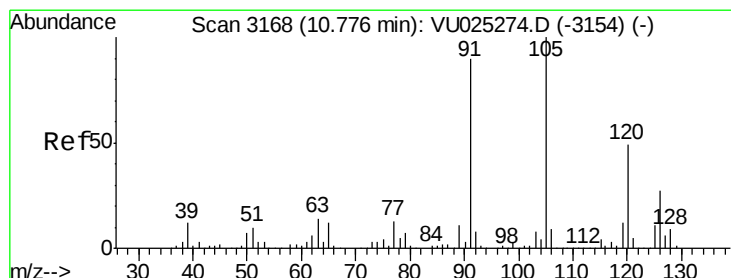
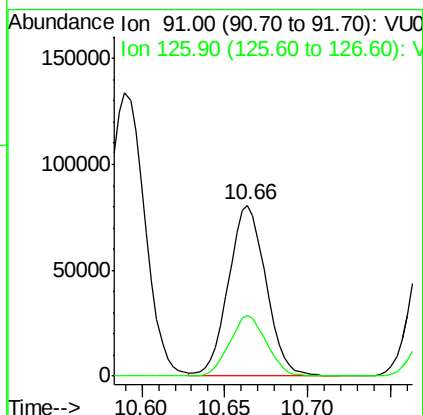
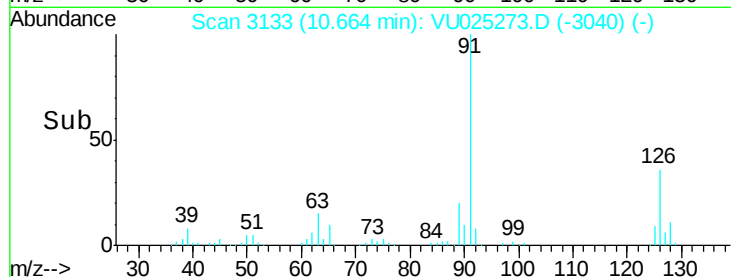
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025273.D (-3040) (-)

Ion 125.90 (125.60 to 126.60): VU025273.D (-3040) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.73 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025273.D

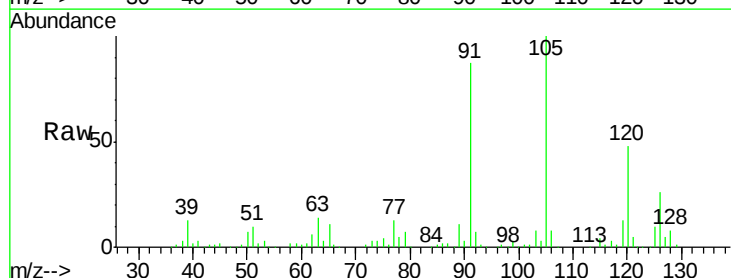
Acq: 09 Jul 2018 14:54

Tgt Ion:105 Resp: 160169

Ion Ratio Lower Upper

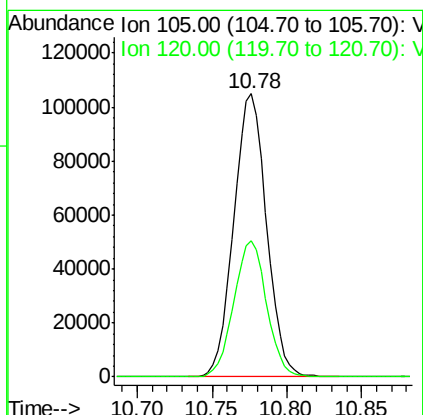
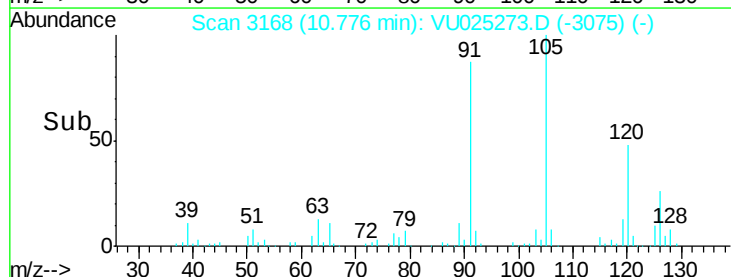
105 100

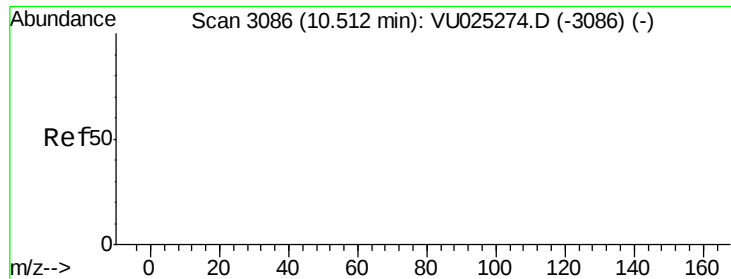
120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025273.D (-3075) (-)

Ion 120.00 (119.70 to 120.70): VU025273.D (-3075) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.92 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

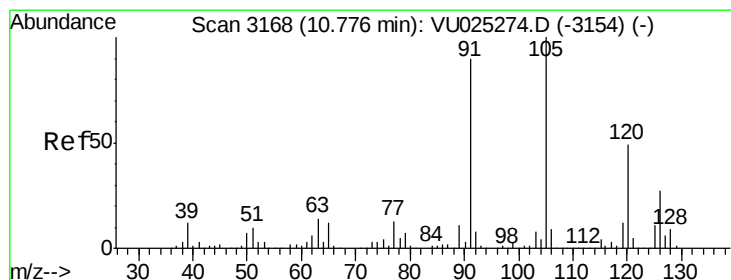
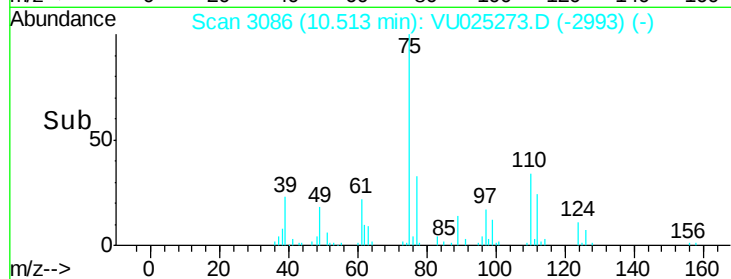
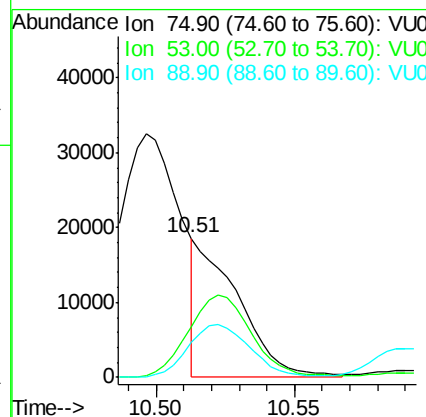
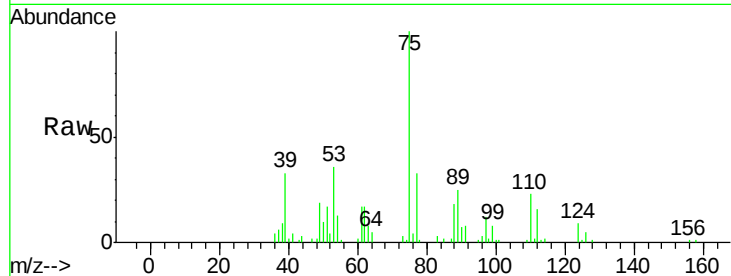
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	19621
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#82

4-Chlorotoluene

Concen: 18.70 ug/l

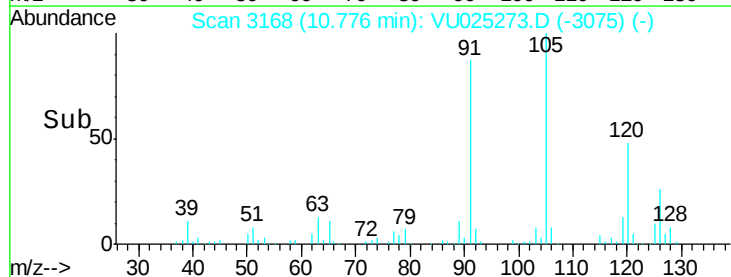
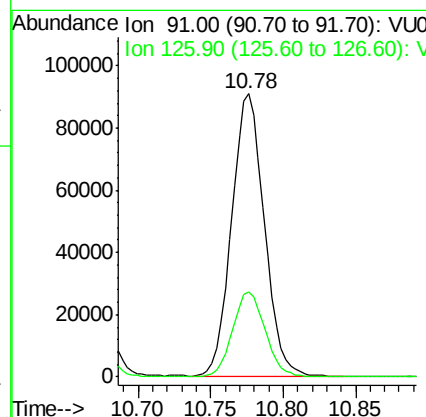
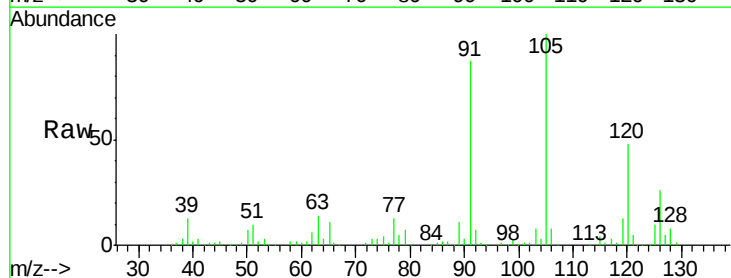
RT: 10.78 min Scan# 3168

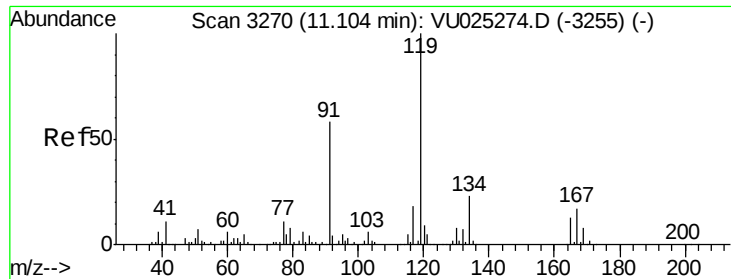
Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion:	91	Resp:	141713
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.3	45.9





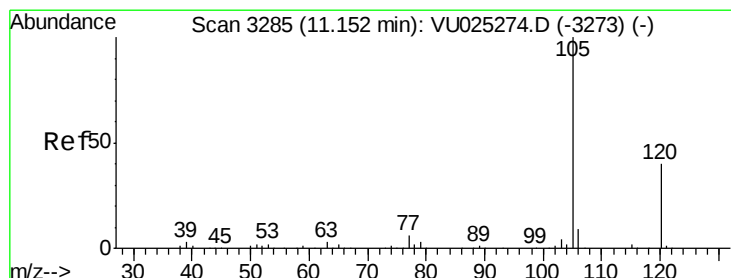
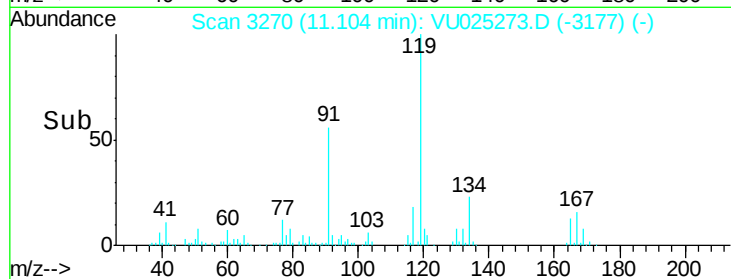
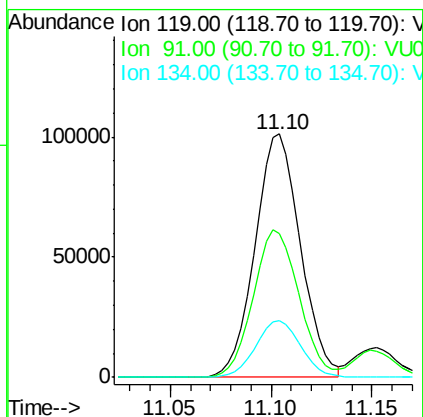
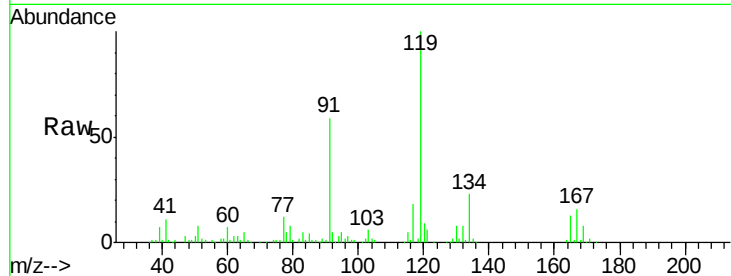
#83
tert-Butylbenzene
Concen: 19.37 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158862		
91	61.3	29.7	89.1	
134	22.9	11.5	34.5	

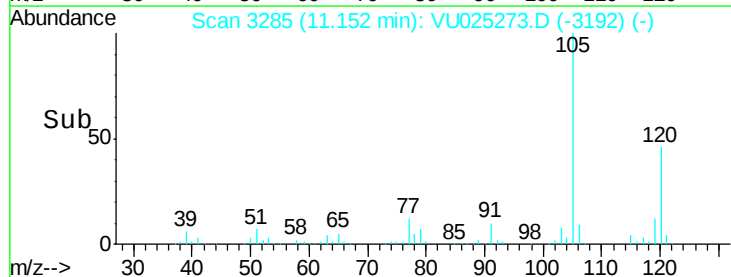
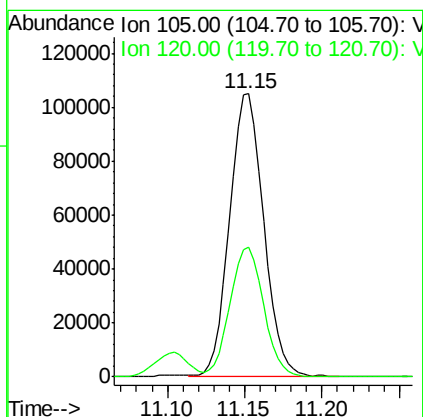
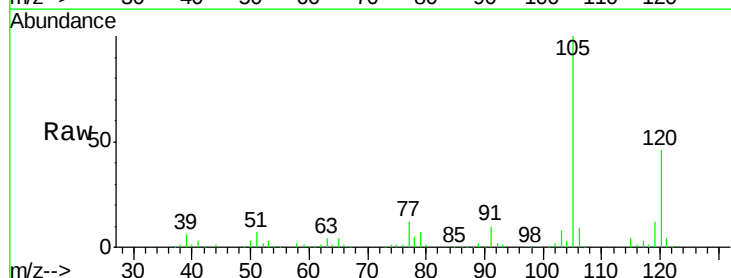
Manual Integrations
APPROVED

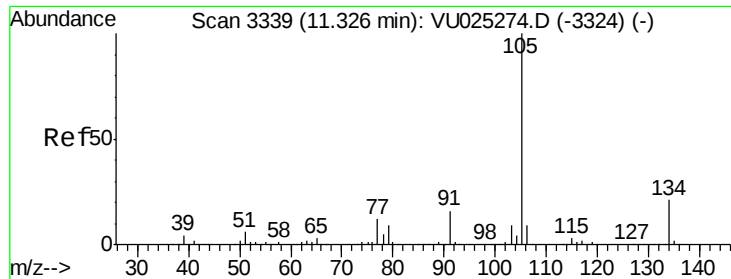
MMDadoda
7/10/2018 2:33:17 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.23 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159929		
120	45.6	22.3	66.8	





#85

sec-Butylbenzene

Concen: 19.75 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 190742

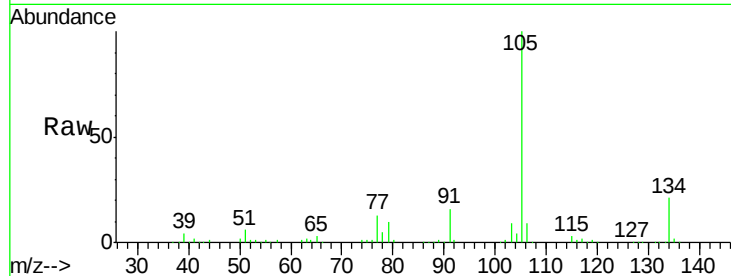
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8

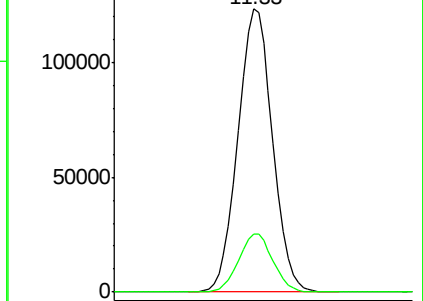
Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM

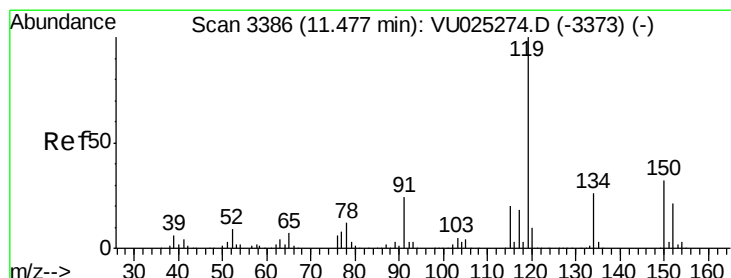
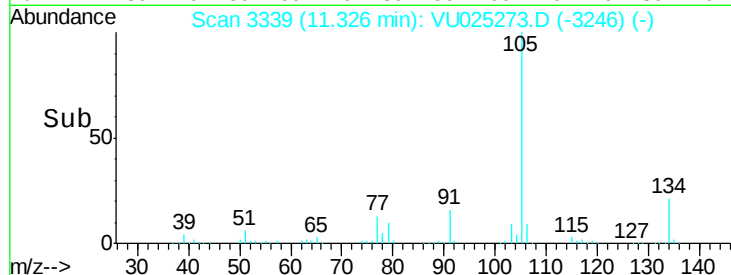


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.74 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

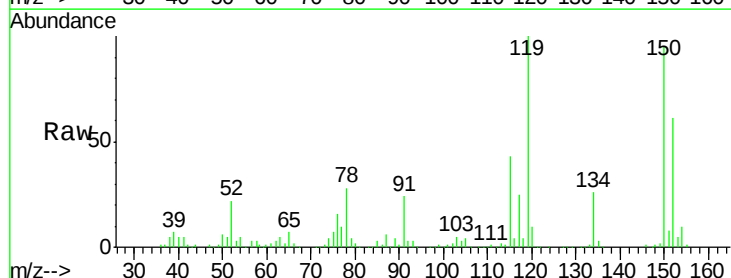
Tgt Ion:119 Resp: 168779

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

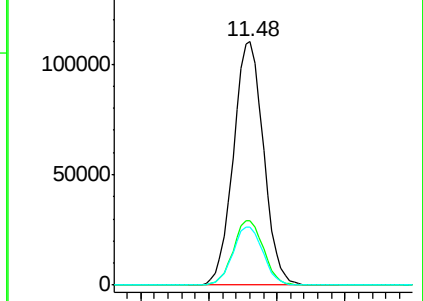
91 24.1 12.0 36.1



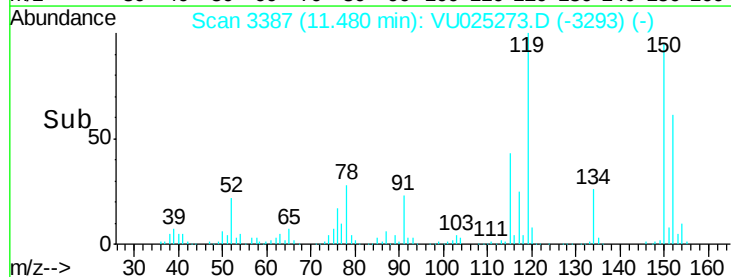
Abundance Ion 119.00 (118.70 to 119.70): V

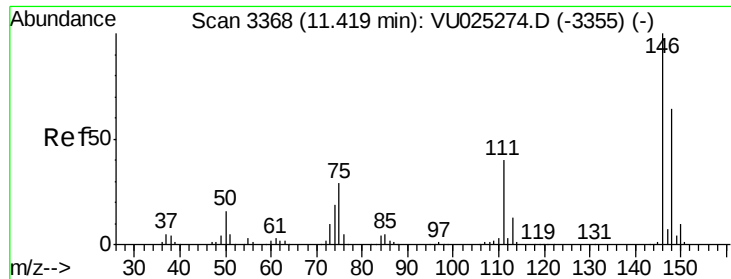
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





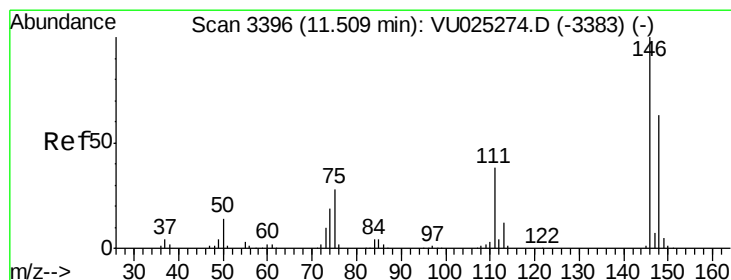
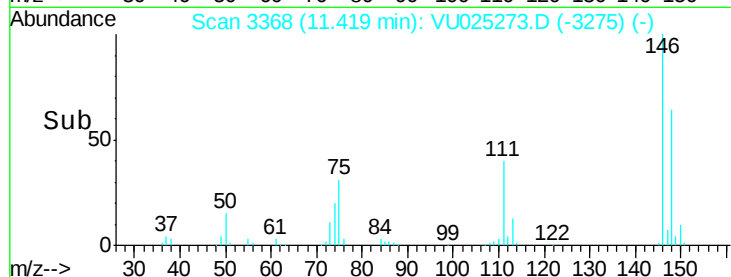
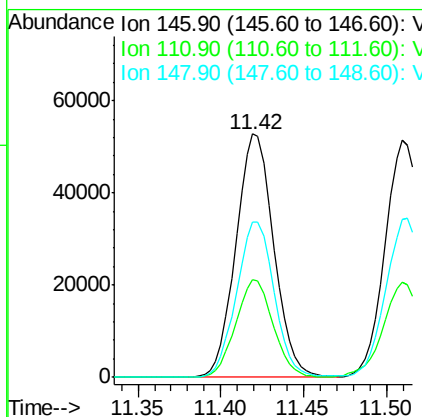
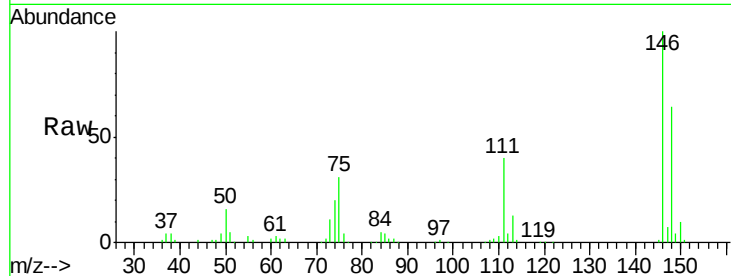
#87
 1,3-Dichlorobenzene
 Concen: 18.61 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.6	32.1	96.3

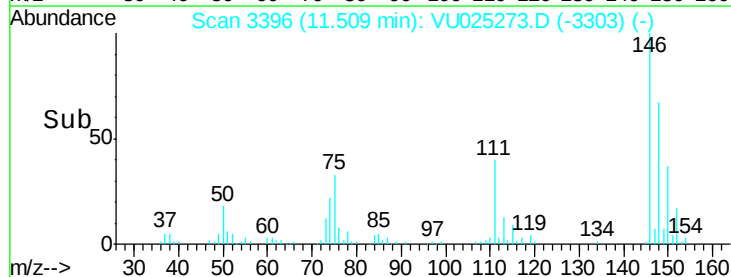
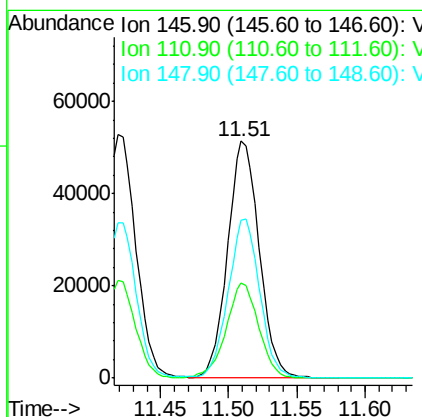
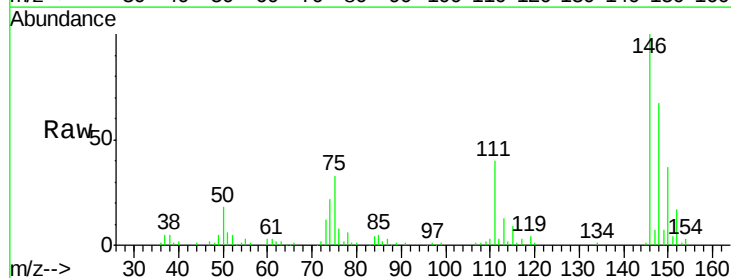
Manual Integrations
 APPROVED

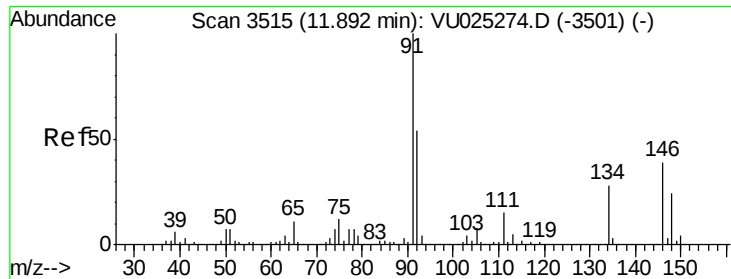
MMDadoda
 7/10/2018 2:33:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.94 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.4	58.1
148	67.1	31.7	95.1





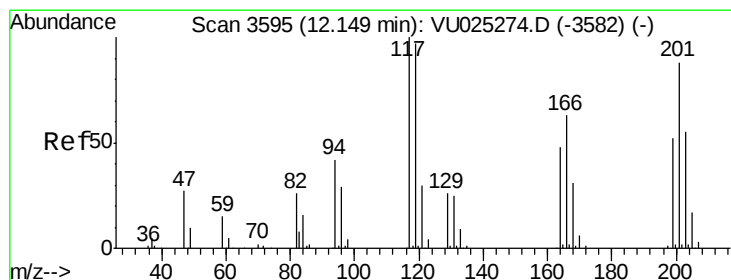
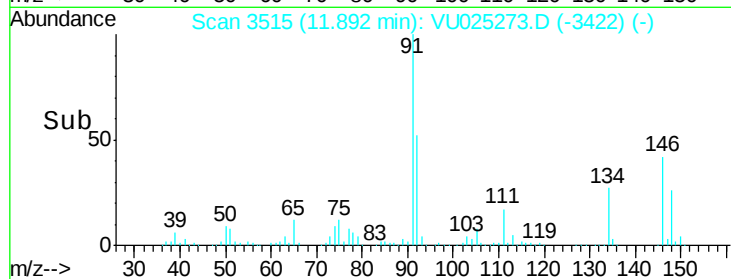
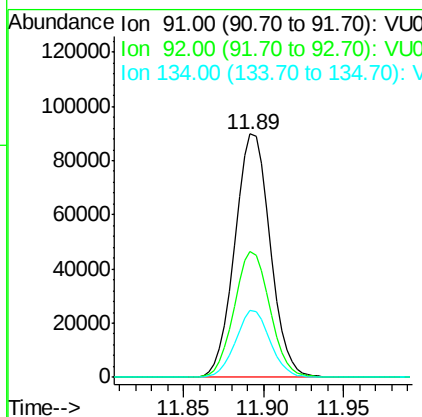
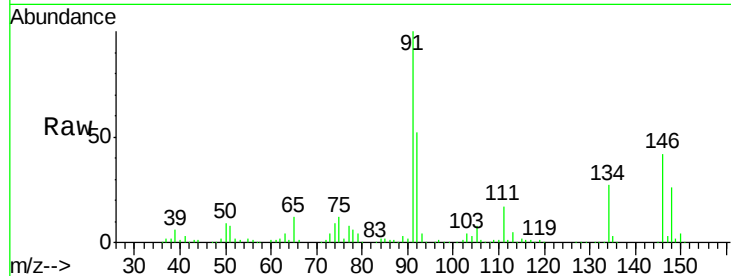
#89
 n-Butylbenzene
 Concen: 19.23 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	91	Resp:	135150
Ion Ratio	Lower	Upper	
91	100		
92	52.2	26.5	79.5
134	26.5	13.6	40.7

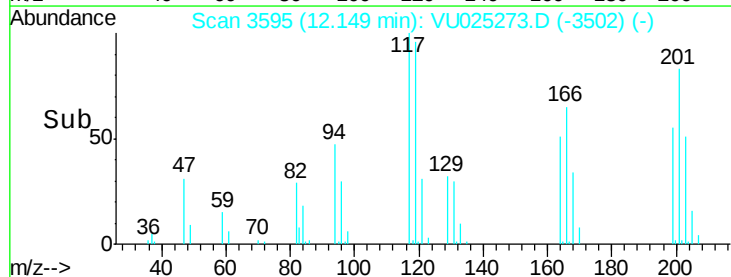
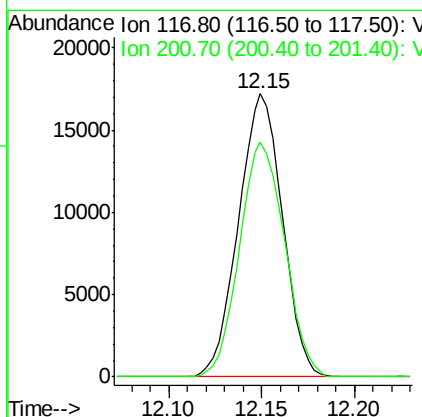
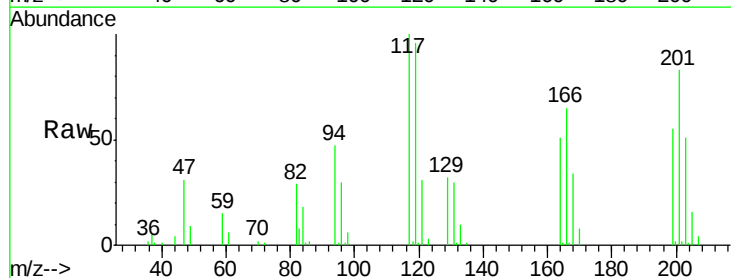
Manual Integrations
 APPROVED

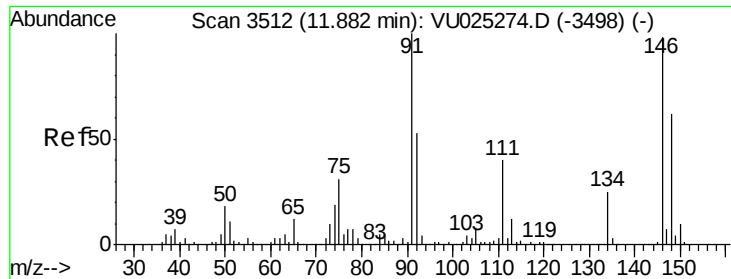
MMDadoda
 7/10/2018 2:33:17 PM



#90
 Hexachloroethane
 Concen: 19.52 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion:	117	Resp:	28262
Ion Ratio	Lower	Upper	
117	100		
201	84.9	42.5	127.6





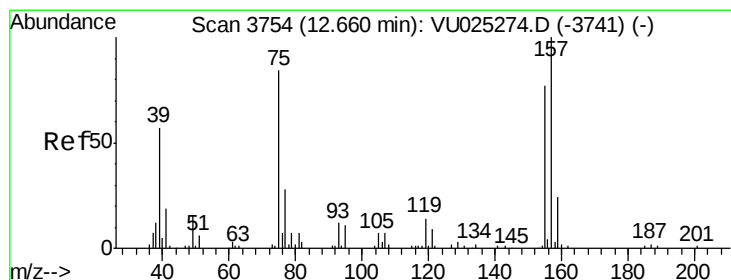
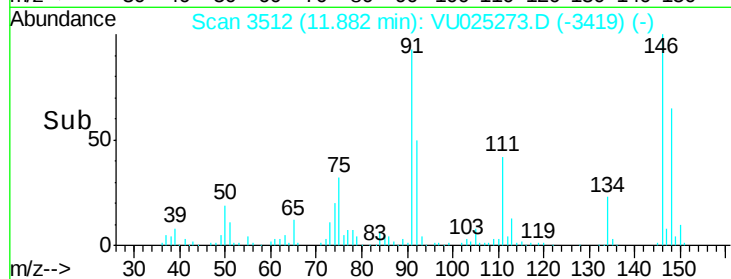
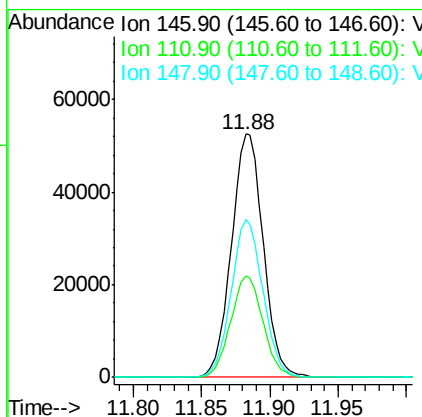
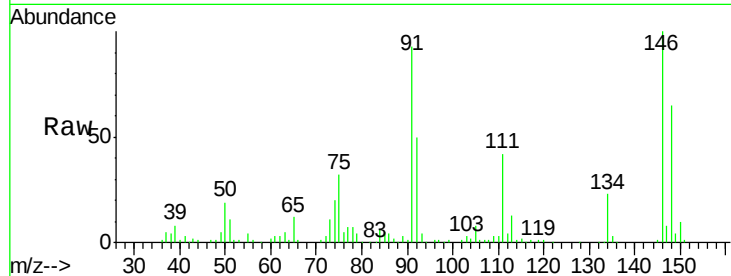
#91
 1,2-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.8
148	64.6	31.5	94.5

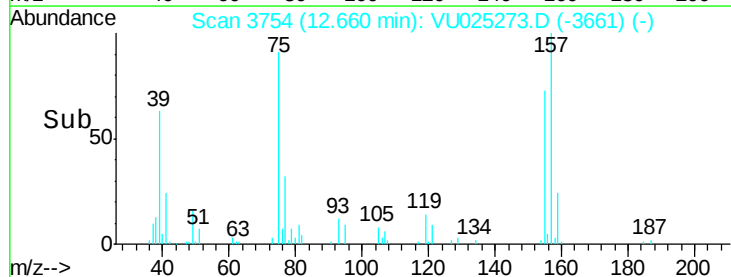
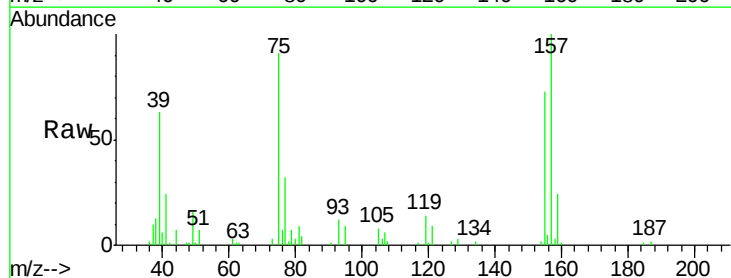
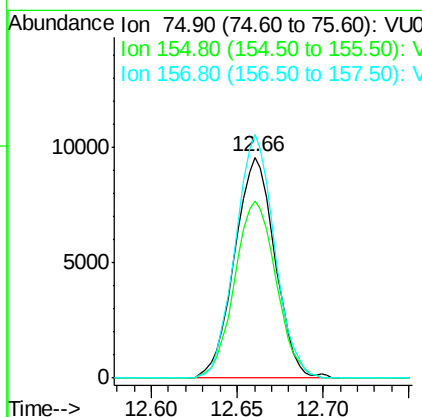
Manual Integrations
 APPROVED

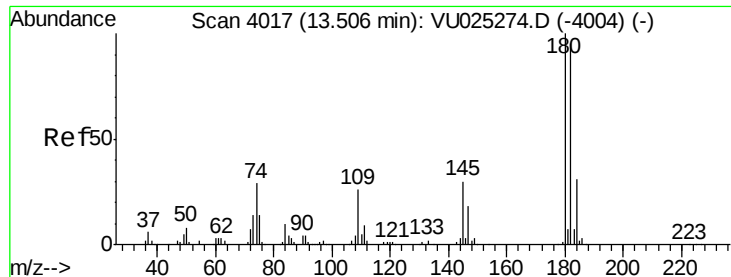
MMDadoda
 7/10/2018 2:33:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.41 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	44.5	133.3
157	107.0	57.0	170.8





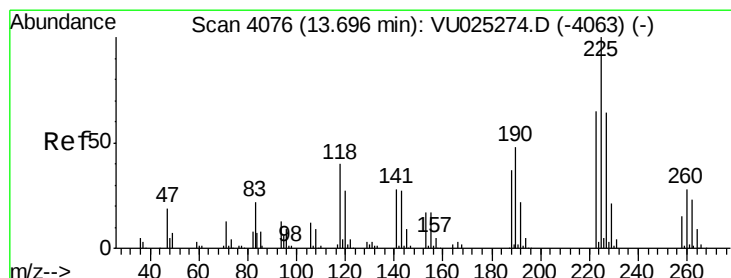
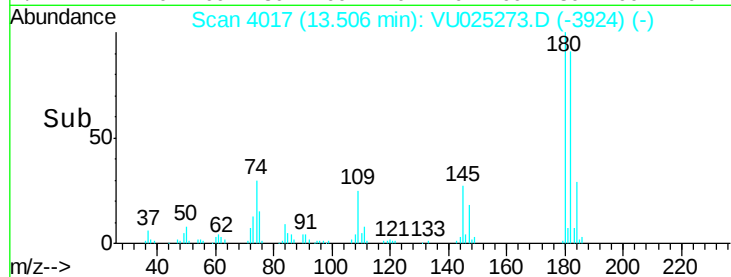
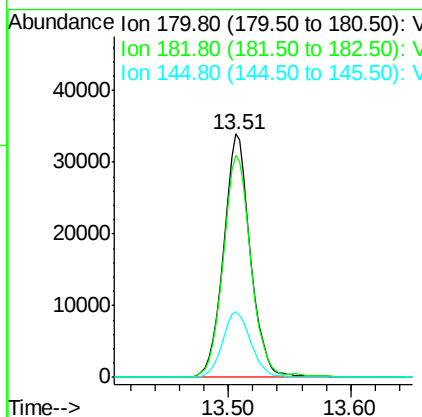
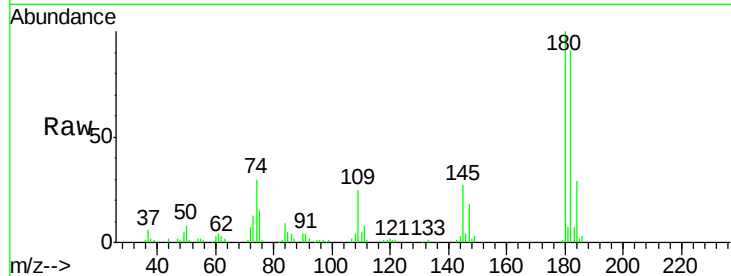
#93
 1,2,4-Trichlorobenzene
 Concen: 17.51 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52255		
182	93.9	47.3	141.9	
145	28.5	14.9	44.7	

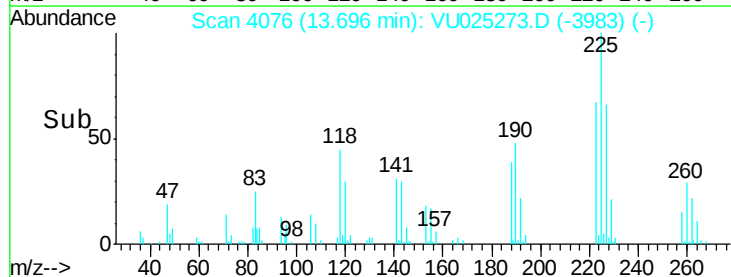
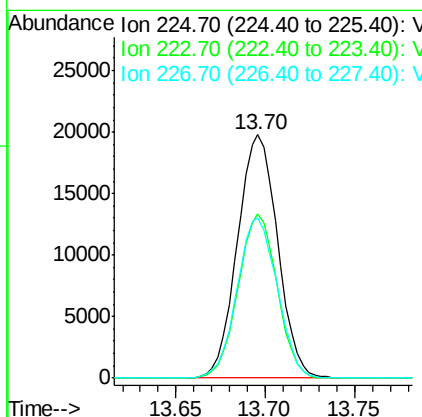
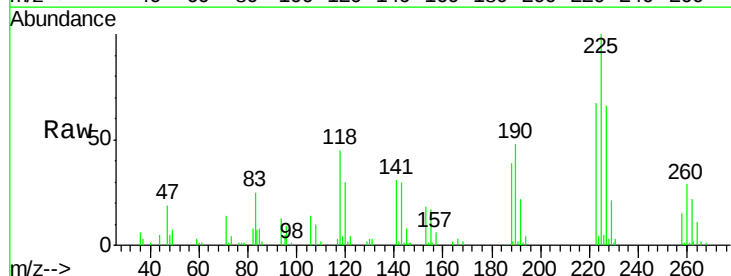
Manual Integrations
 APPROVED

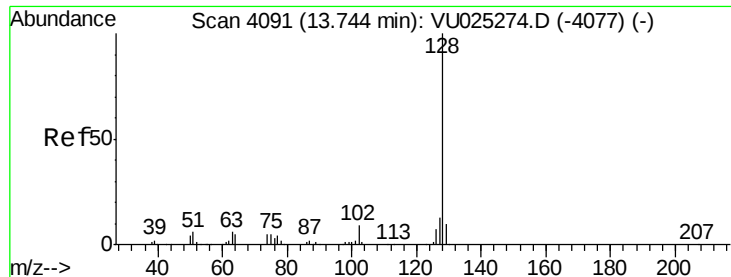
MMDadoda
 7/10/2018 2:33:17 PM



#94
 Hexachlorobutadiene
 Concen: 19.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31073		
223	65.1	31.9	95.7	
227	65.5	32.3	96.9	





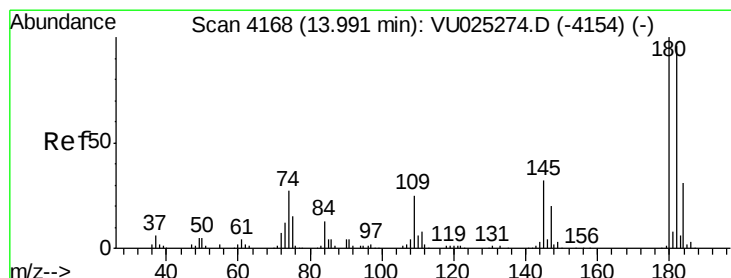
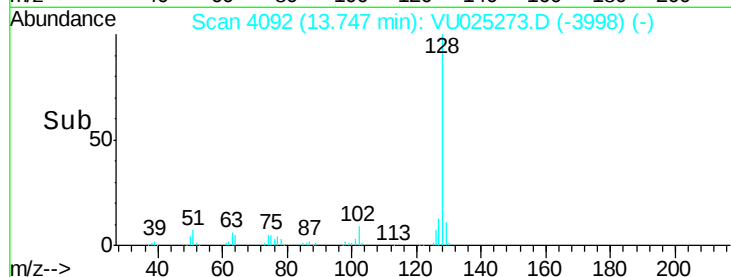
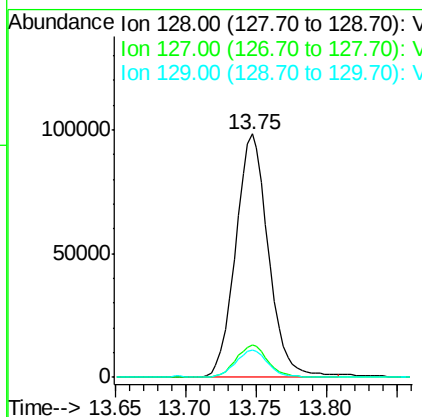
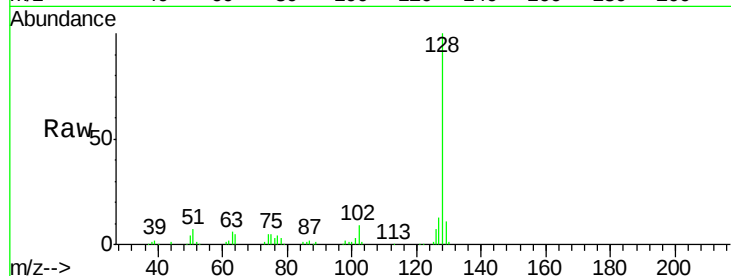
#95
Naphthalene
Concen: 15.63 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.08 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.8	143.3
145	31.4	15.6	46.8

