

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025239.D
 Acq On : 06 Jul 2018 14:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:57:57 PM

Quant Time: Jul 06 18:21:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	230373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	116191	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
35) Dibromofluoromethane	4.89	113	92832	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
50) Toluene-d8	7.57	98	314977	42.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.44%	
62) 4-Bromofluorobenzene	10.31	95	127169	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84506	40.762	ug/l	97
3) Chloromethane	1.33	50	86296	40.743	ug/l	100
4) Vinyl Chloride	1.40	62	92476	42.336	ug/l	99
5) Bromomethane	1.61	94	60459	57.256	ug/l	100
6) Chloroethane	1.69	64	62028	50.836	ug/l	99
7) Trichlorofluoromethane	1.88	101	151450	45.433	ug/l	99
8) Diethyl Ether	2.10	74	57724	50.918	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	93853	45.382	ug/l	98
10) Methyl Iodide	2.41	142	95170	53.914	ug/l	96
11) Tert butyl alcohol	2.82	59	152470	231.849	ug/l	99
12) 1,1-Dichloroethene	2.28	96	83428	44.236	ug/l	95
13) Acrolein	2.19	56	86453	250.344	ug/l	99
14) Allyl chloride	2.59	41	145711	41.611	ug/l	99
15) Acrylonitrile	2.93	53	301192	235.400	ug/l	99
16) Acetone	2.32	43	351862	242.190	ug/l	97
17) Carbon Disulfide	2.48	76	221432	36.668	ug/l	100
18) Methyl Acetate	2.61	43	143414	46.046	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	333331	47.019	ug/l	96
20) Methylene Chloride	2.70	84	111231	48.794	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	93761	45.139	ug/l	94
22) Diisopropyl ether	3.57	45	323243	46.566	ug/l	95
23) Vinyl Acetate	3.53	43	1440437	231.647	ug/l	99
24) 1,1-Dichloroethane	3.45	63	184780	46.272	ug/l	99
25) 2-Butanone	4.26	43	476402	244.123	ug/l	97
26) 2,2-Dichloropropane	4.23	77	170445	44.950	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	110678	46.346	ug/l	99
28) Bromochloromethane	4.55	49	86622	49.247	ug/l	85
29) Tetrahydrofuran	4.64	42	281463	232.904	ug/l	98
30) Chloroform	4.68	83	195752	48.431	ug/l	99
31) Cyclohexane	5.00	56	162457	45.639	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	179513	48.028	ug/l	95
36) 1,1-Dichloropropene	5.14	75	139513	48.741	ug/l	98
37) Ethyl Acetate	4.38	43	163741	52.486	ug/l	98
38) Carbon Tetrachloride	5.14	117	157082	49.906	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025239.D
 Acq On : 06 Jul 2018 14:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:57:57 PM

Quant Time: Jul 06 18:21:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	170707	47.791	ug/l	95
40) Benzene	5.39	78	404639	49.612	ug/l	99
41) Methacrylonitrile	4.54	41	92184	54.805	ug/l	99
42) 1,2-Dichloroethane	5.41	62	164422	52.931	ug/l	99
43) Isopropyl Acetate	5.55	43	258823	47.996	ug/l	99
44) Trichloroethene	6.19	130	112342	48.398	ug/l	98
45) 1,2-Dichloropropane	6.44	63	107253	49.284	ug/l	99
46) Dibromomethane	6.56	93	77333	50.591	ug/l	93
47) Bromodichloromethane	6.76	83	149077	48.976	ug/l	99
48) Methyl methacrylate	6.62	41	131789	50.189	ug/l	98
49) 1,4-Dioxane	6.62	88	63363	1233.896	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	847561	250.174	ug/l	98
52) Toluene	7.64	92	259439	49.442	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	164703	48.183	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	172494	47.357	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	104946	49.202	ug/l	98
56) Ethyl methacrylate	8.02	69	173331	48.552	ug/l	99
57) 1,3-Dichloropropane	8.25	76	183075	50.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	281415	205.758	ug/l	95
59) 2-Hexanone	8.36	43	699539	252.917	ug/l	99
60) Dibromochloromethane	8.48	129	123516	46.438	ug/l	99
61) 1,2-Dibromoethane	8.59	107	119467	50.322	ug/l	99
64) Tetrachloroethene	8.23	164	109582	50.042	ug/l	98
65) Chlorobenzene	9.12	112	301103	51.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	112809	50.453	ug/l	98
67) Ethyl Benzene	9.25	91	518365	50.243	ug/l	99
68) m/p-Xylenes	9.38	106	402831	101.679	ug/l	98
69) o-Xylene	9.78	106	200277	51.080	ug/l	97
70) Styrene	9.80	104	326005	50.596	ug/l	99
71) Bromoform	9.96	173	96394	45.357	ug/l #	100
73) Isopropylbenzene	10.17	105	542535	49.489	ug/l	98
74) N-amyl acetate	10.01	43	233822	44.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	181636	49.443	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	166640m	53.008	ug/l	
77) Bromobenzene	10.45	156	137985	49.718	ug/l	95
78) n-propylbenzene	10.59	91	623342	48.269	ug/l	97
79) 2-Chlorotoluene	10.66	91	378048	49.641	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	469469	49.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	72640m	53.478	ug/l	
82) 4-Chlorotoluene	10.78	91	431192	48.646	ug/l	99
83) tert-Butylbenzene	11.10	119	470476	51.474	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	478445	49.409	ug/l	100
85) sec-Butylbenzene	11.33	105	562583	49.172	ug/l	98
86) p-Isopropyltoluene	11.48	119	500720	48.866	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	257379	50.196	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	258721	50.131	ug/l	98
89) n-Butylbenzene	11.89	91	409350	44.997	ug/l	97
90) Hexachloroethane	12.15	117	83156	41.601	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	263762	51.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48243	47.593	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070718\
Data File : VU025239.D
Acq On : 06 Jul 2018 14:19
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM

Quant Time: Jul 06 18:21:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	165887	52.306	ug/l	100
94) Hexachlorobutadiene	13.70	225	89296	50.023	ug/l	98
95) Naphthalene	13.75	128	526582	50.152	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	173171	54.797	ug/l	99

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

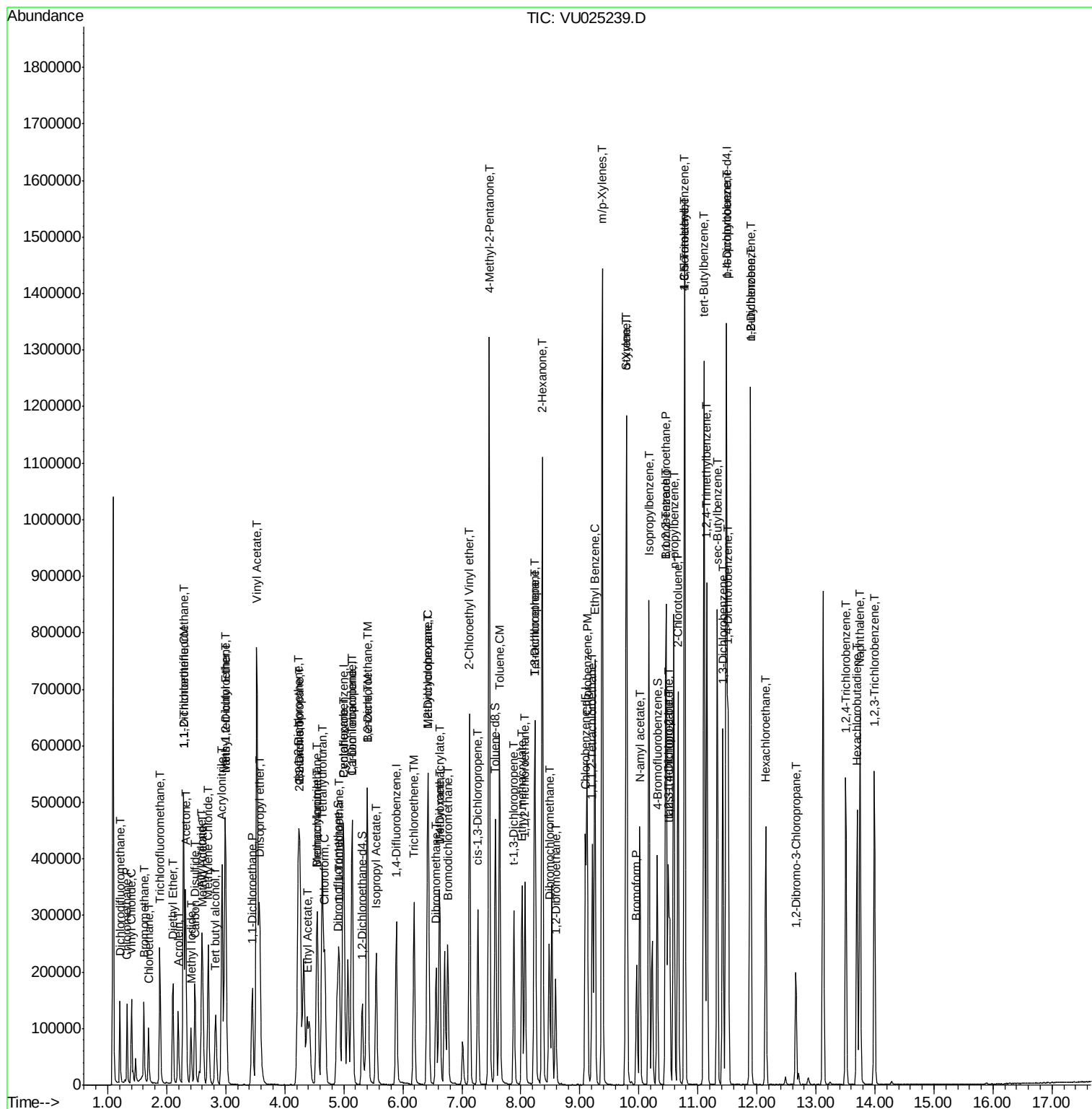
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070718\
Data File : VU025239.D
Acq On : 06 Jul 2018 14:19
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

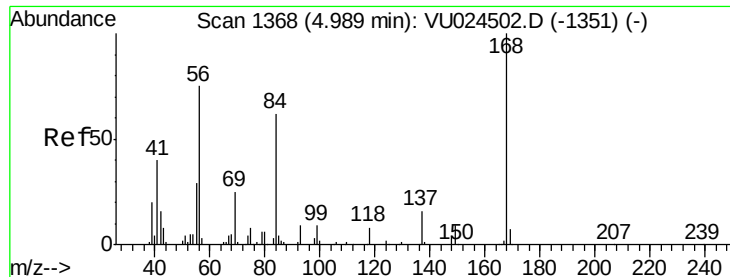
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM

Quant Time: Jul 06 18:21:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 165631

Ion Ratio Lower Upper

168 100

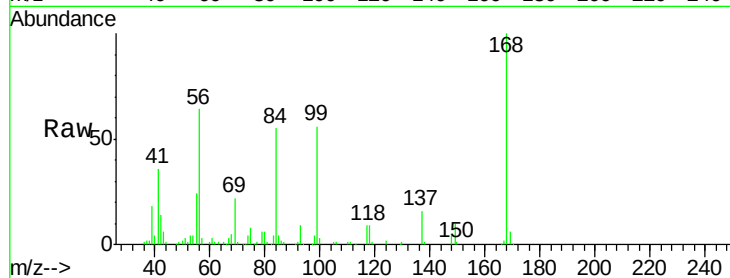
99 55.5 43.2 64.8

Manual Integrations

APPROVED

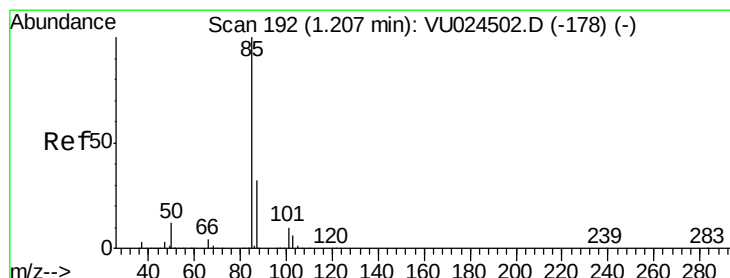
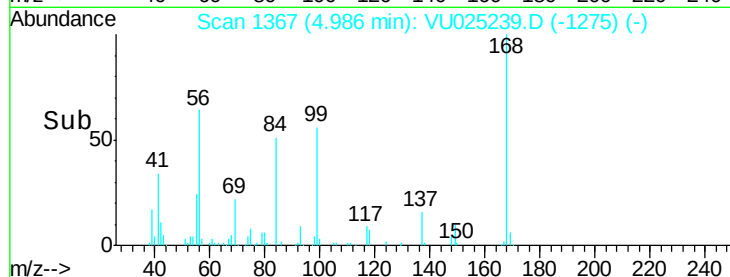
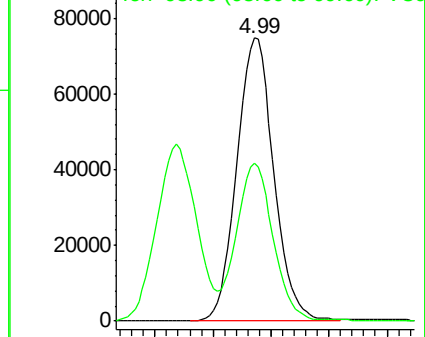
MMDadoda

7/9/2018 12:57:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.762 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025239.D

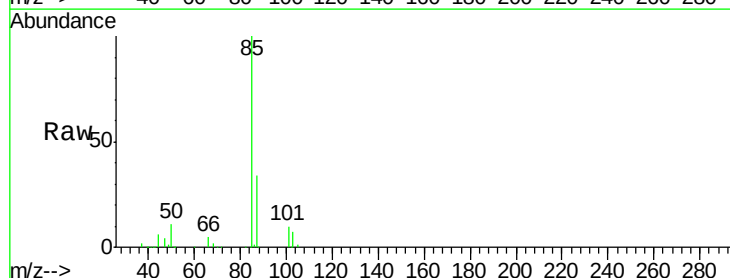
Acq: 06 Jul 2018 14:19

Tgt Ion: 85 Resp: 84506

Ion Ratio Lower Upper

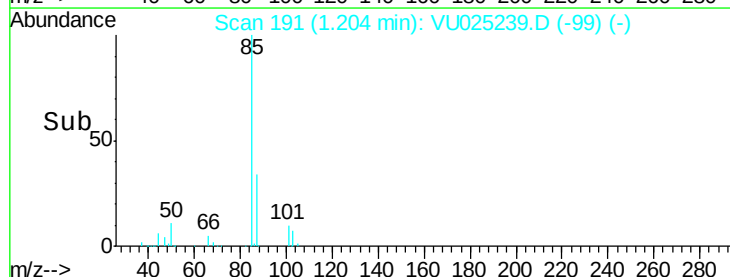
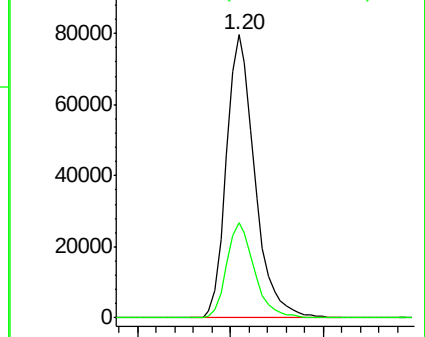
85 100

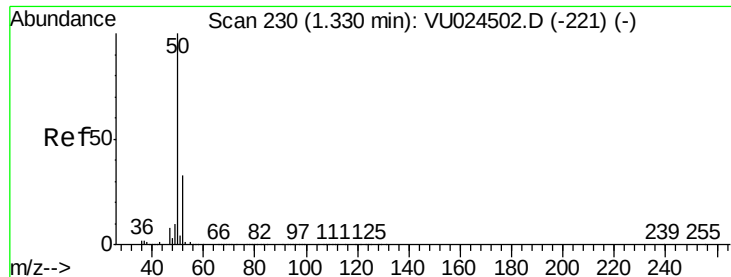
87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 40.743 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 86296

Ion Ratio Lower Upper

50 100

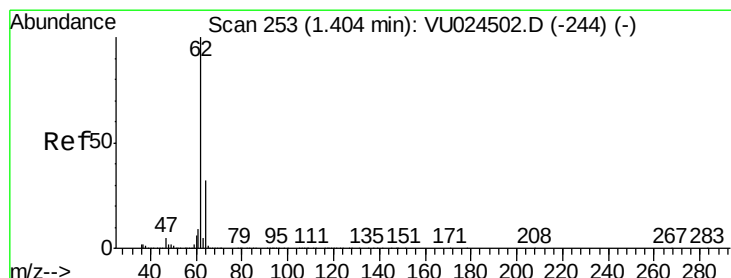
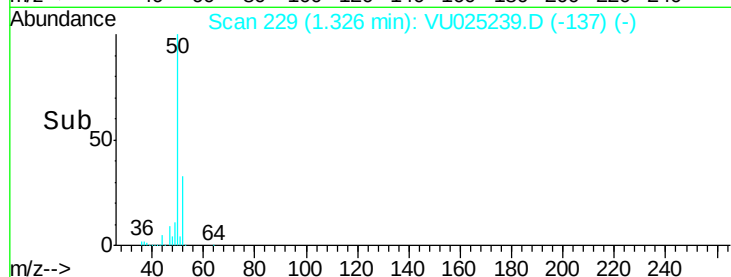
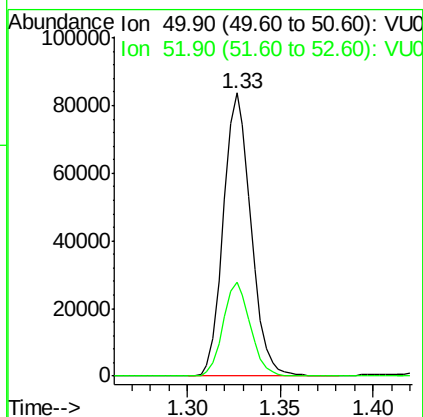
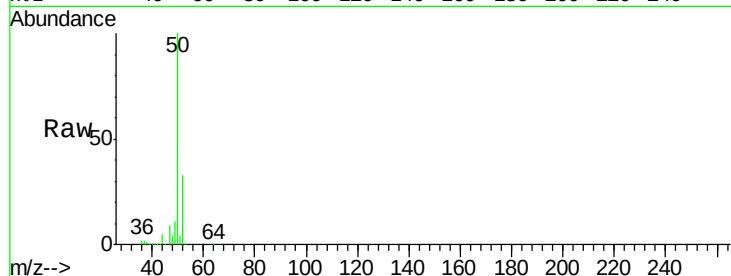
52 33.2 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#4

Vinyl Chloride

Concen: 42.336 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025239.D

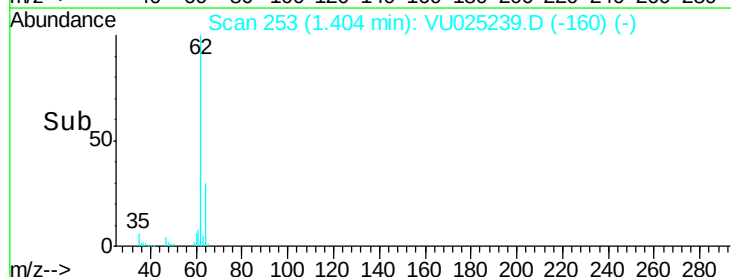
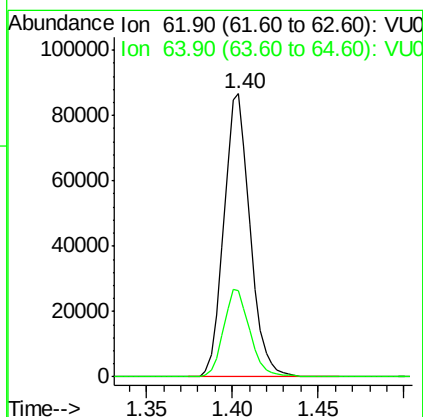
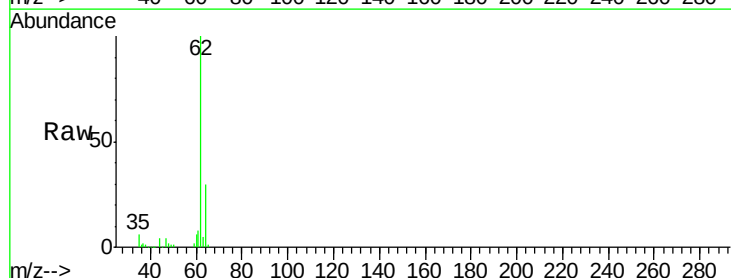
Acq: 06 Jul 2018 14:19

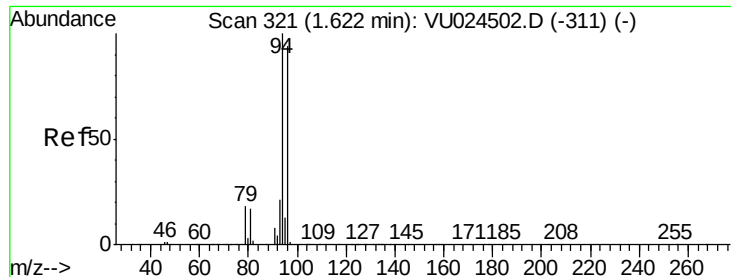
Tgt Ion: 62 Resp: 92476

Ion Ratio Lower Upper

62 100

64 30.3 24.8 37.2





#5

Bromomethane

Concen: 57.256 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60459

Ion Ratio Lower Upper

94 100

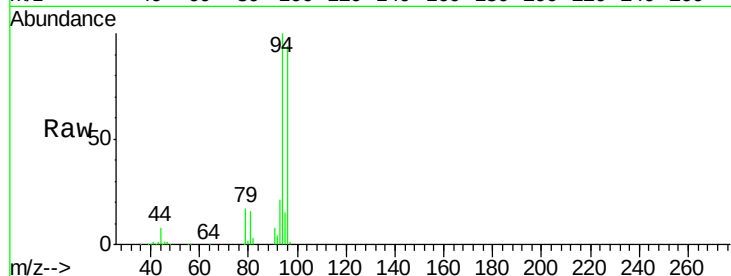
96 93.6 74.5 111.7

Manual Integrations

APPROVED

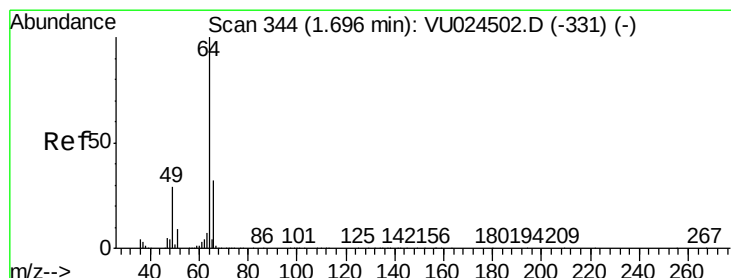
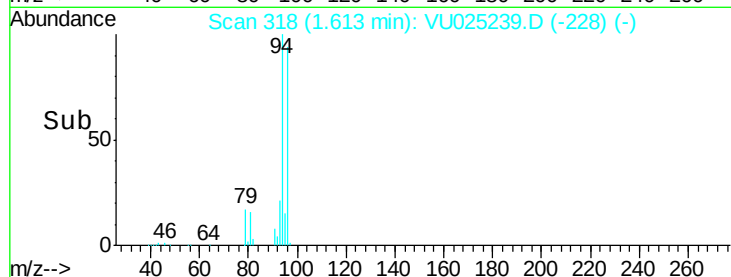
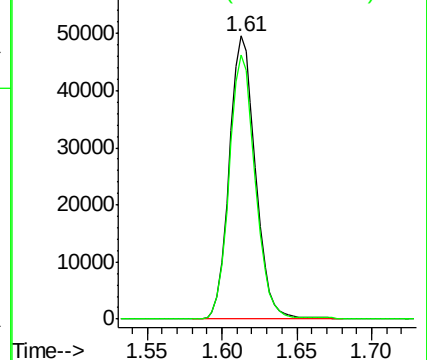
MMDadoda

7/9/2018 12:57:57 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.836 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025239.D

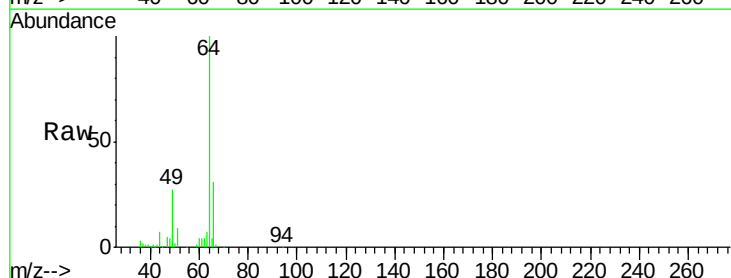
Acq: 06 Jul 2018 14:19

Tgt Ion: 64 Resp: 62028

Ion Ratio Lower Upper

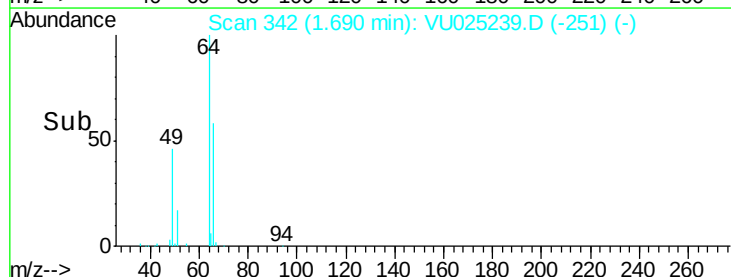
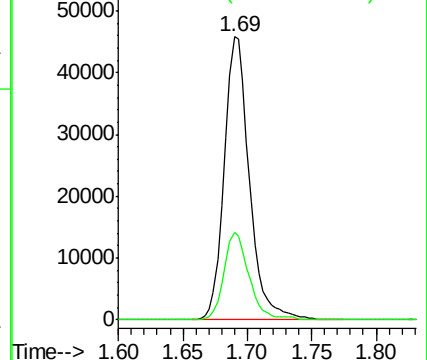
64 100

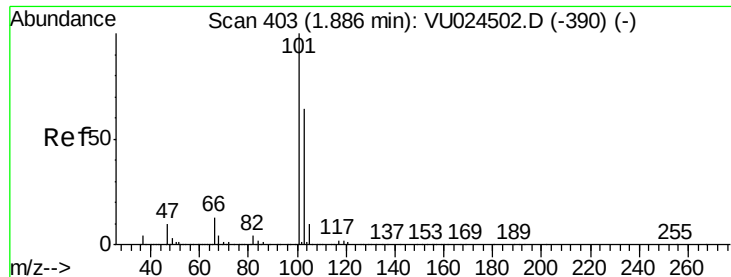
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

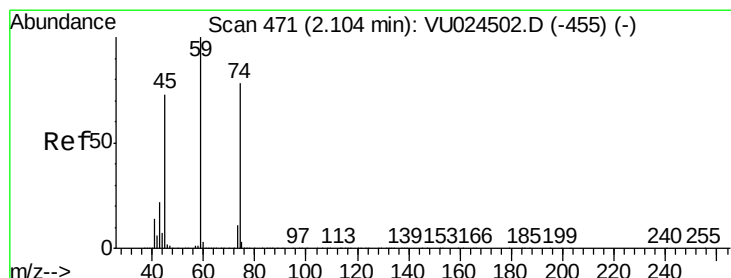
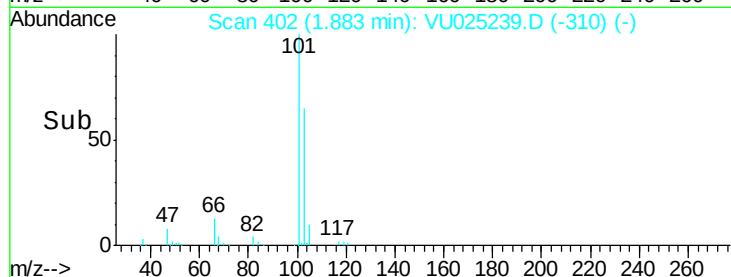
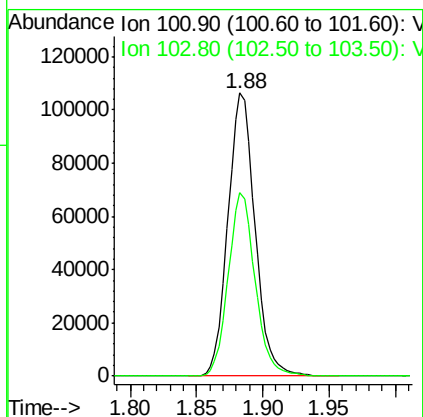
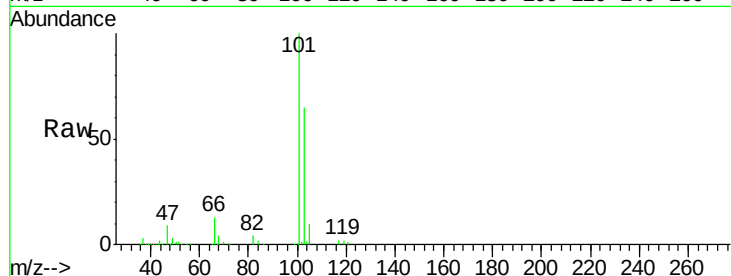
Trichlorofluoromethane
Concen: 45.433 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
APPROVED

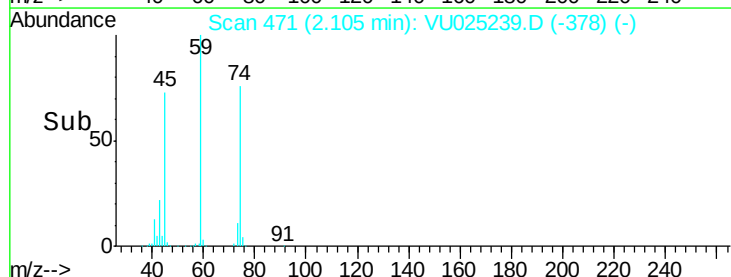
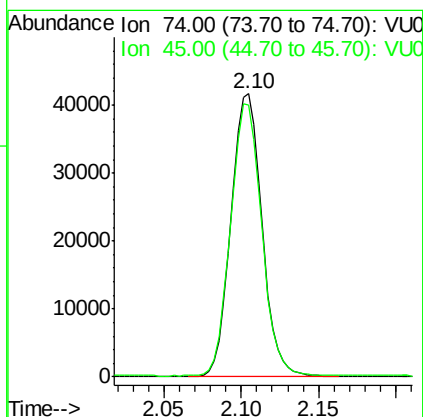
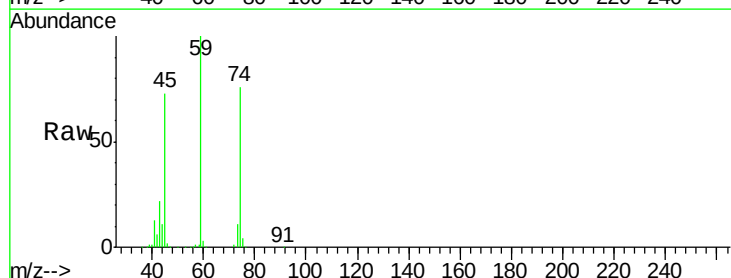
MMDadoda
7/9/2018 12:57:57 PM

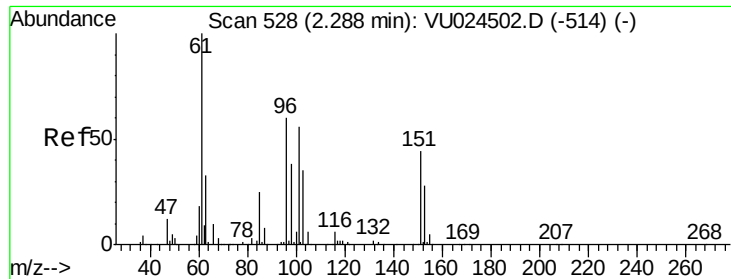


#8

Diethyl Ether
Concen: 50.918 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.382 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

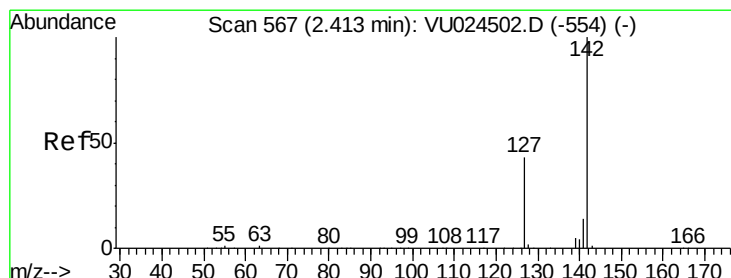
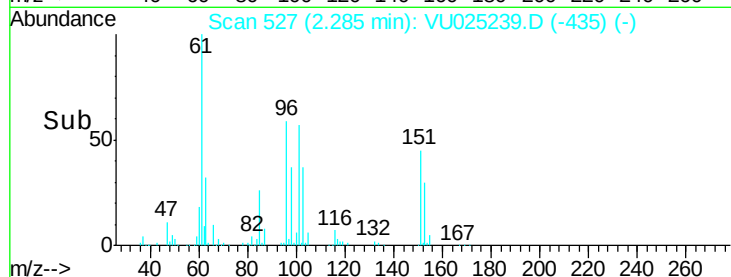
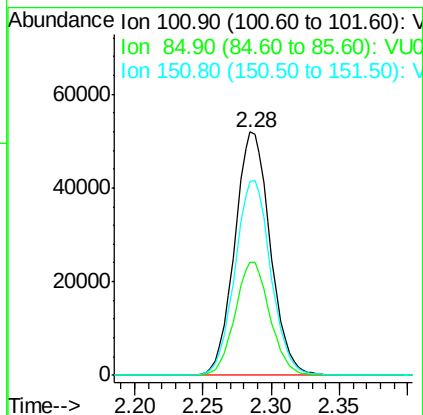
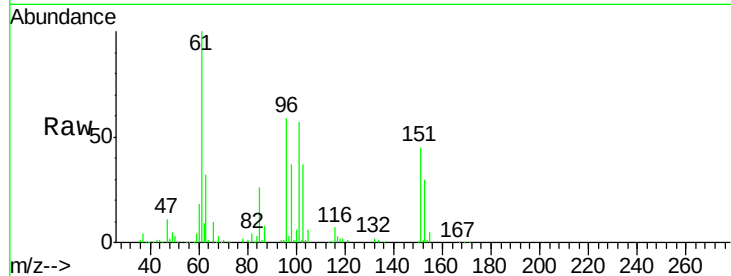
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93853
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	80.8	62.3	93.5

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#10

Methyl Iodide

Concen: 53.914 ug/l

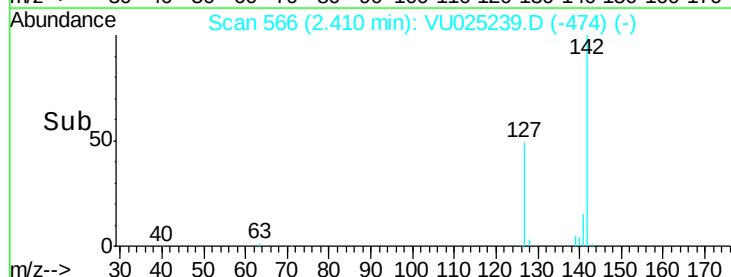
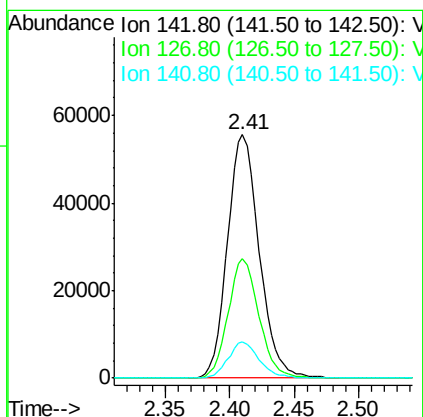
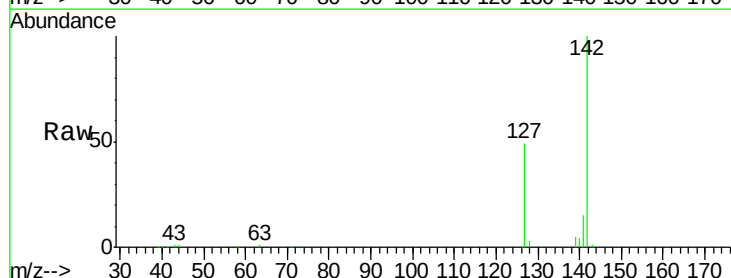
RT: 2.41 min Scan# 566

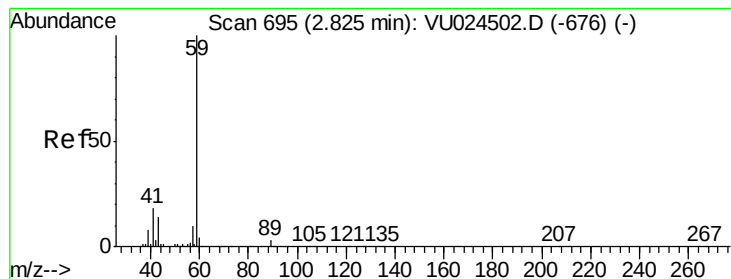
Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	142	Resp:	95170
Ion Ratio	Lower	Upper	
142	100		
127	47.6	35.6	53.4
141	14.6	11.7	17.5





#11

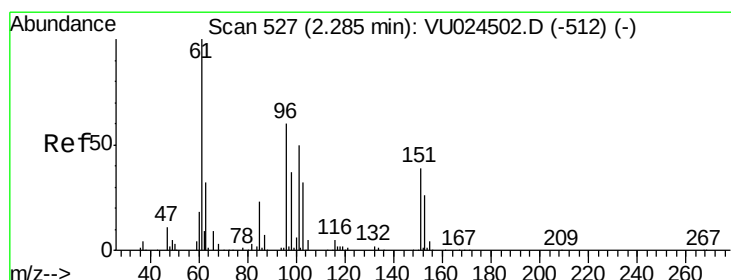
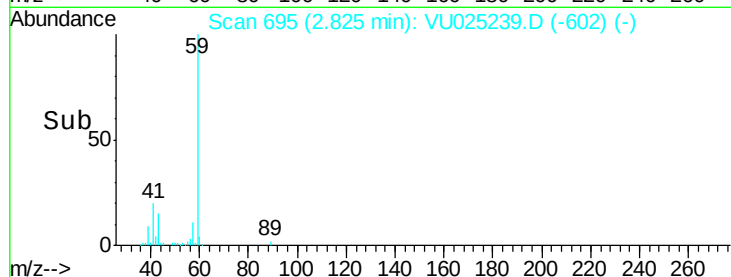
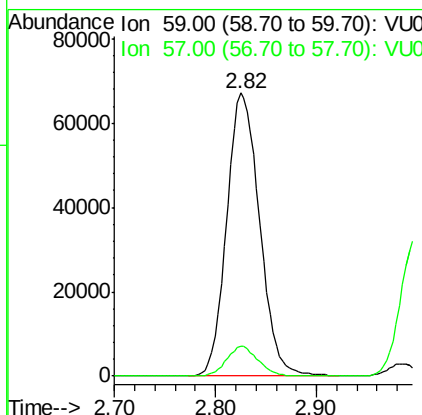
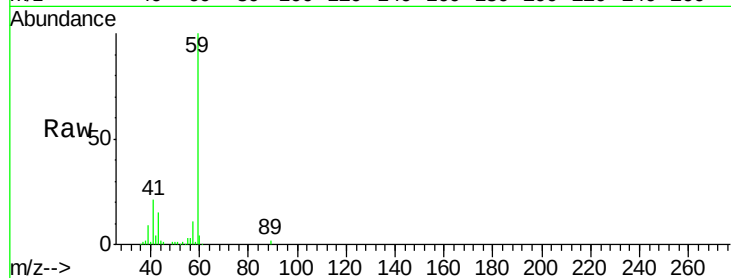
Tert butyl alcohol
 Concen: 231.849 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
 APPROVED

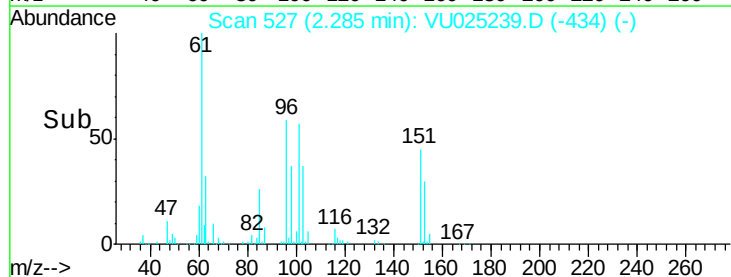
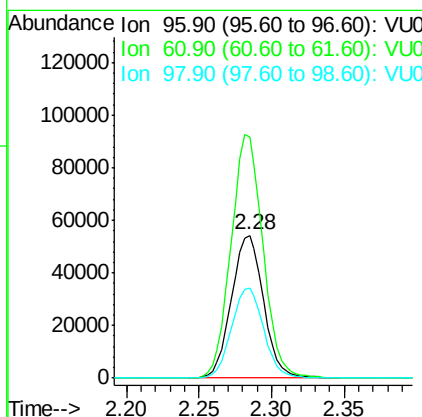
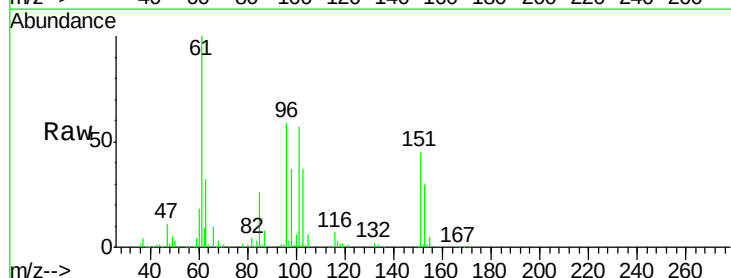
MMDadoda
 7/9/2018 12:57:57 PM

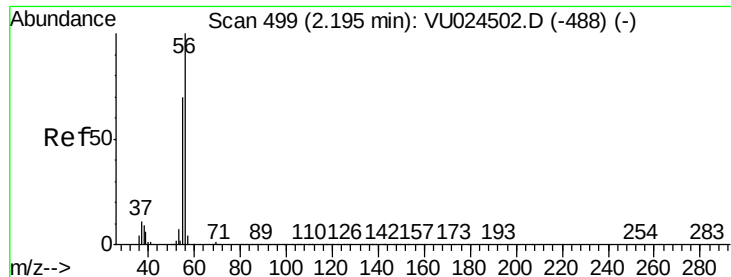


#12

1,1-Dichloroethene
 Concen: 44.236 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	141.7	212.5
98	63.3	51.6	77.4





#13

Acrolein

Concen: 250.344 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86453

Ion Ratio Lower Upper

56 100

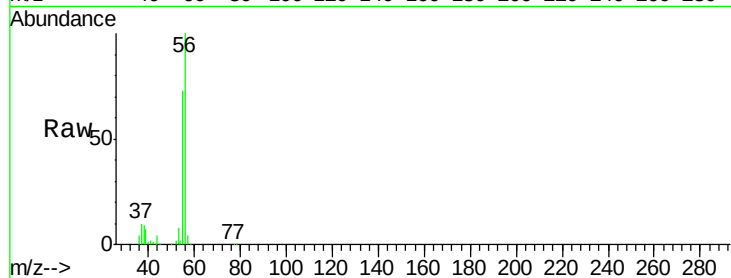
55 73.8 58.4 87.6

Manual Integrations

APPROVED

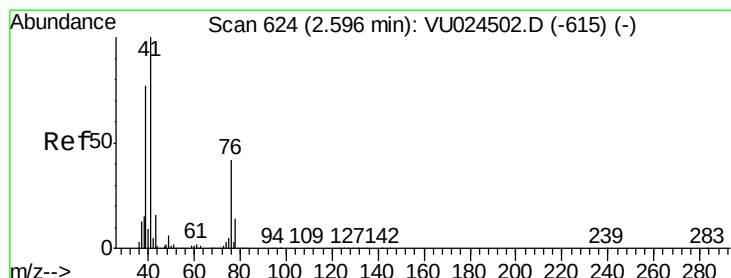
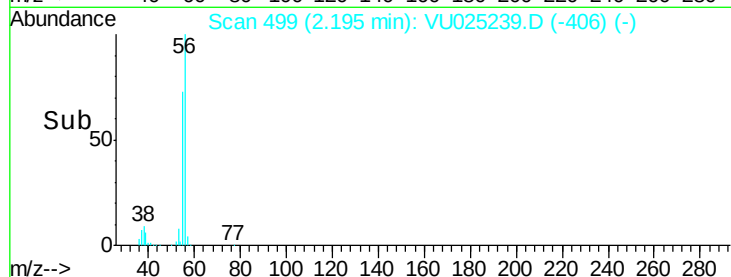
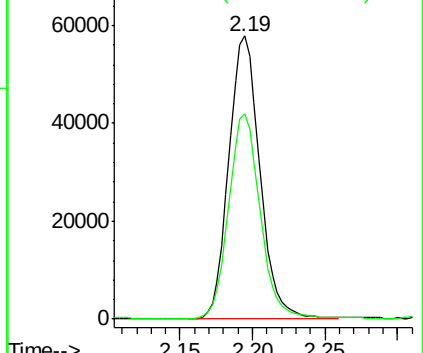
MMDadoda

7/9/2018 12:57:57 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 41.611 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

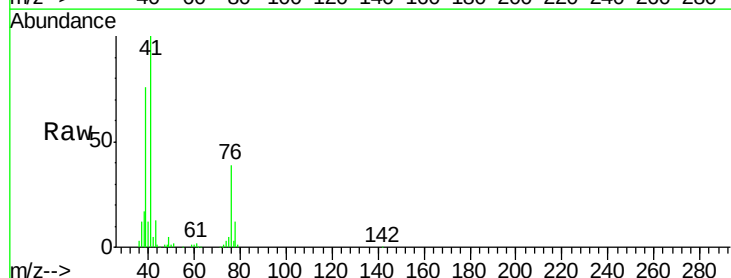
Tgt Ion: 41 Resp: 145711

Ion Ratio Lower Upper

41 100

39 78.2 61.6 92.4

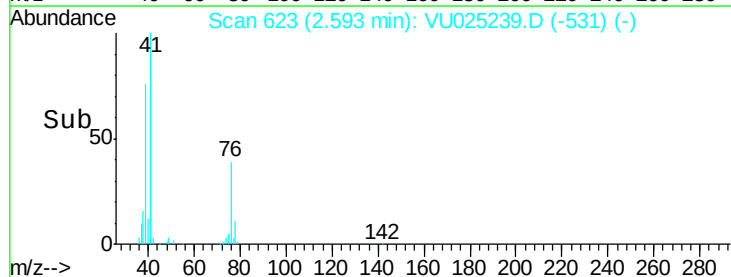
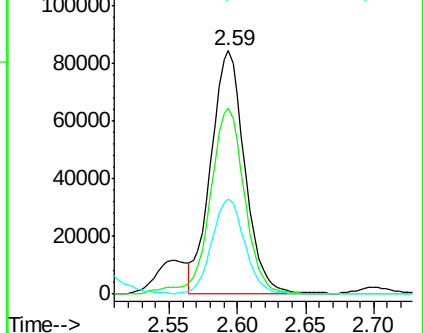
76 38.0 29.7 44.5

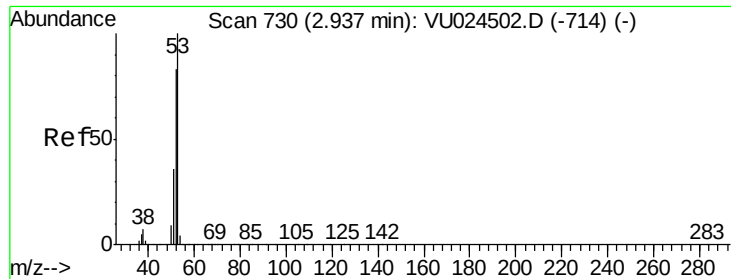


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 235.400 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

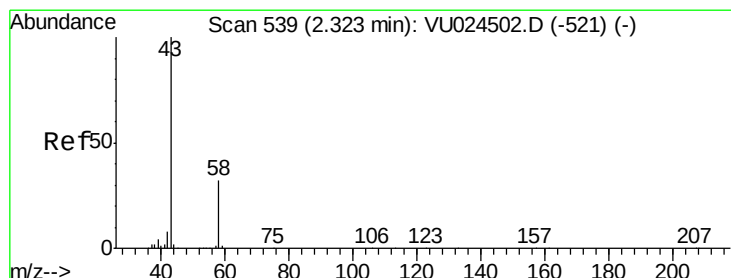
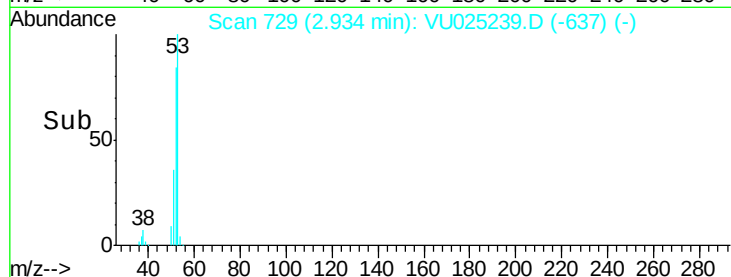
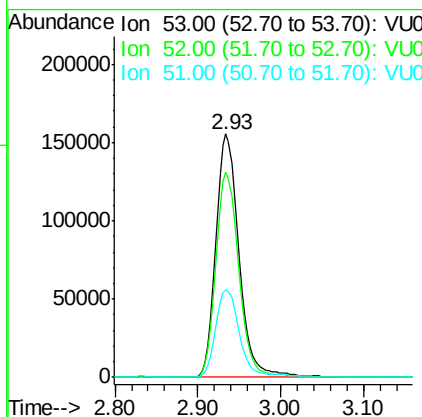
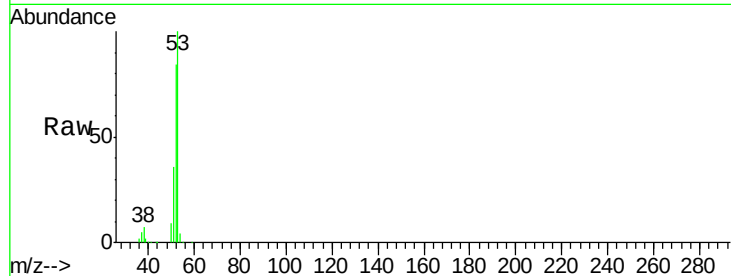
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	301192
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.1	100.7
51	36.2	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#16

Acetone

Concen: 242.190 ug/l

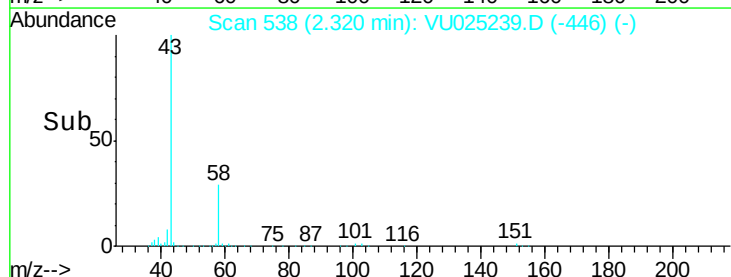
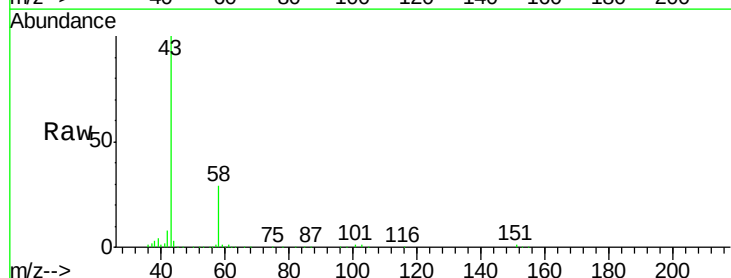
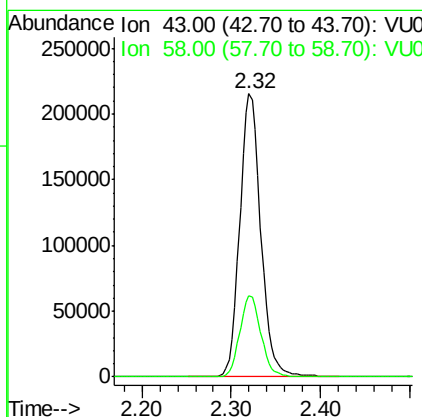
RT: 2.32 min Scan# 538

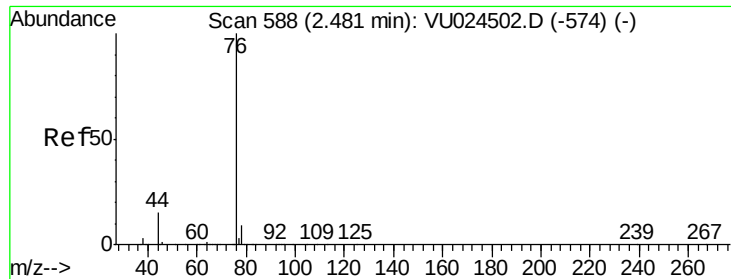
Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	43	Resp:	351862
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.4	36.6





#17

Carbon Disulfide

Concen: 36.668 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 221432

Ion Ratio Lower Upper

76 100

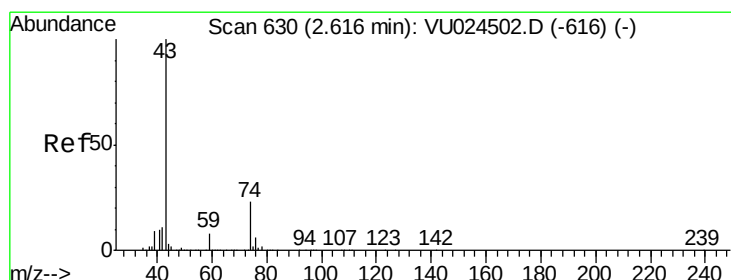
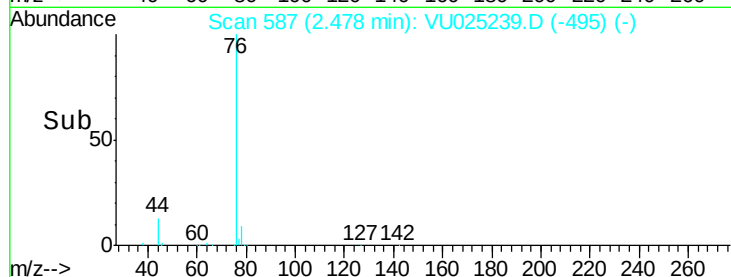
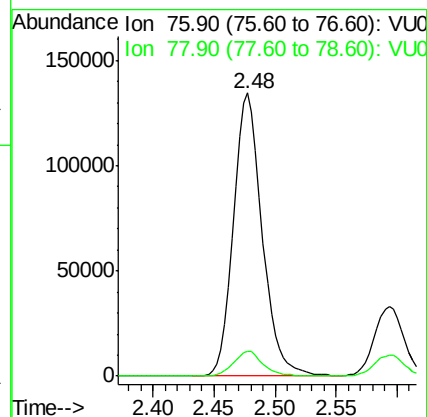
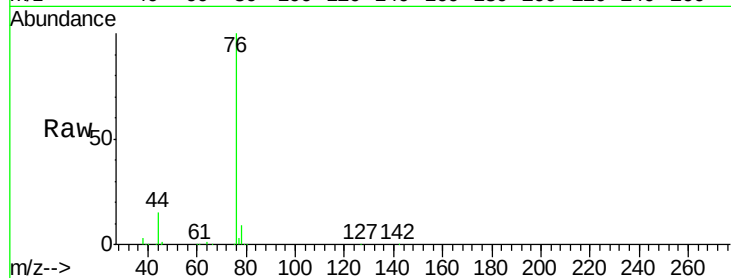
78 9.0 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#18

Methyl Acetate

Concen: 46.046 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU025239.D

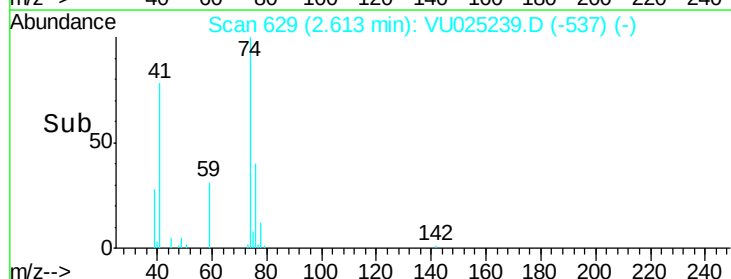
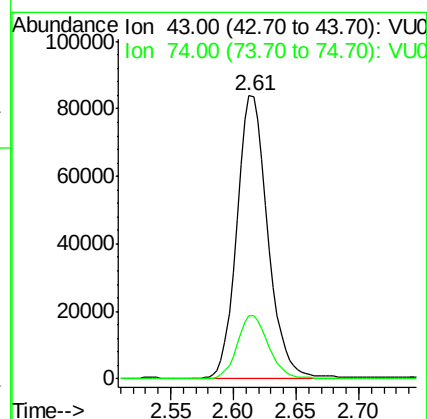
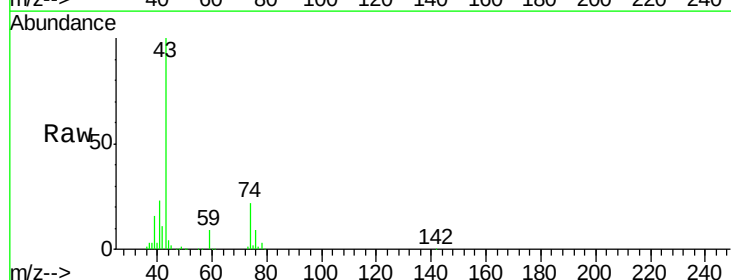
Acq: 06 Jul 2018 14:19

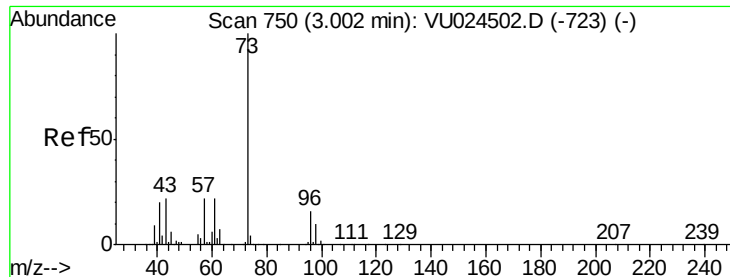
Tgt Ion: 43 Resp: 143414

Ion Ratio Lower Upper

43 100

74 22.9 18.0 27.0





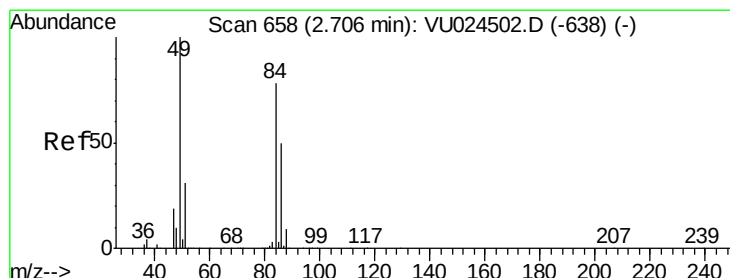
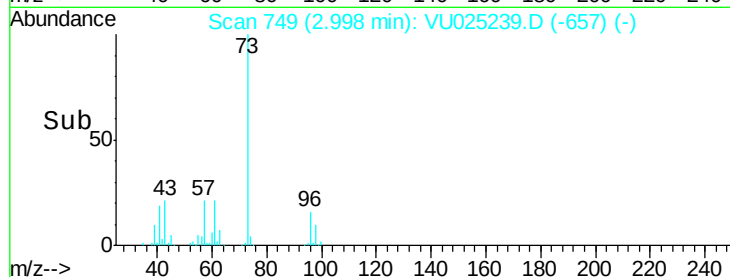
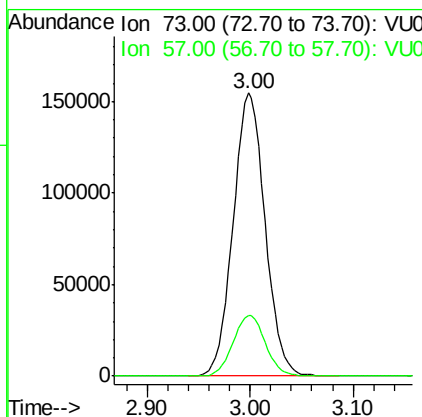
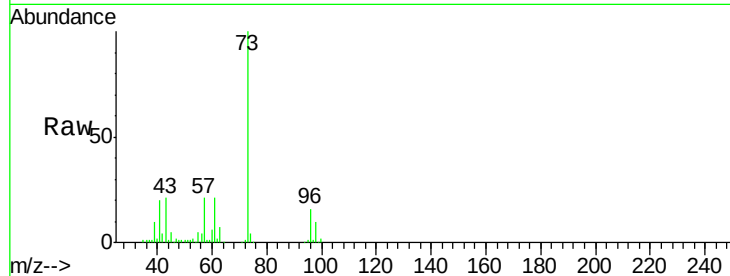
#19
Methyl tert-butyl Ether
Concen: 47.019 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.8	28.2

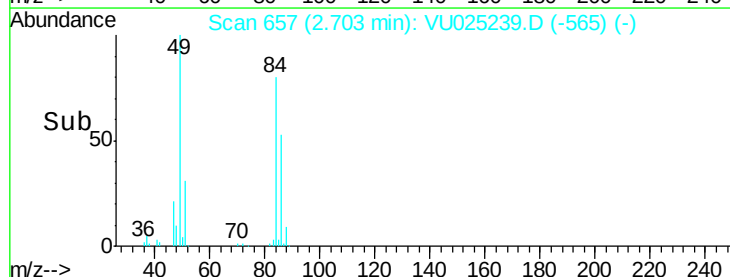
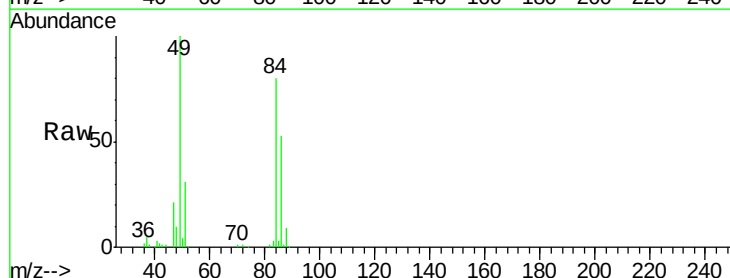
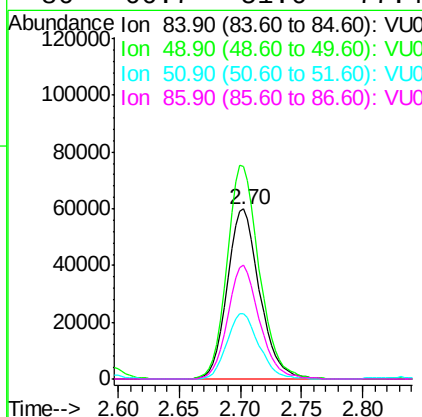
Manual Integrations
APPROVED

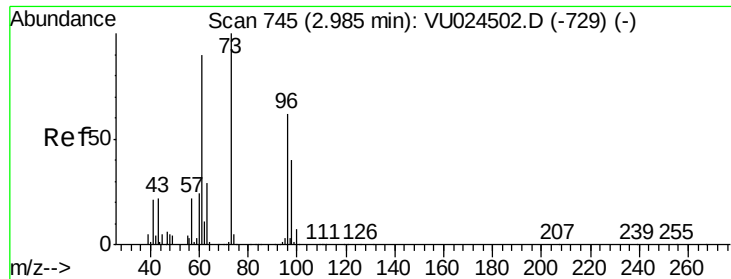
MMDadoda
7/9/2018 12:57:57 PM



#20
Methylene Chloride
Concen: 48.794 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.2	103.8	155.8
51	38.6	32.0	48.0
86	66.7	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 45.139 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

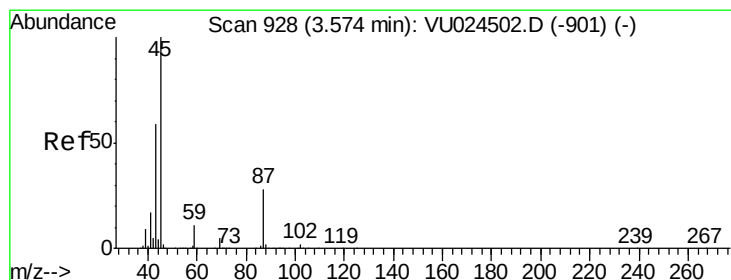
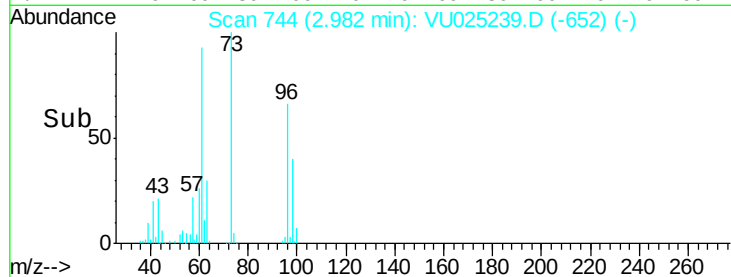
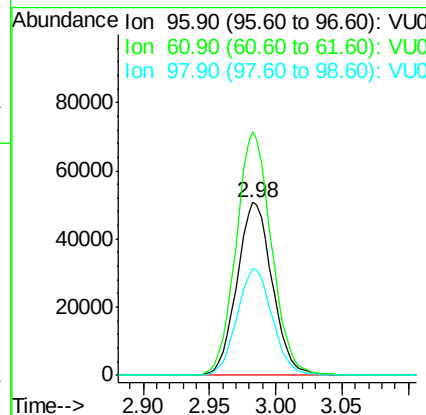
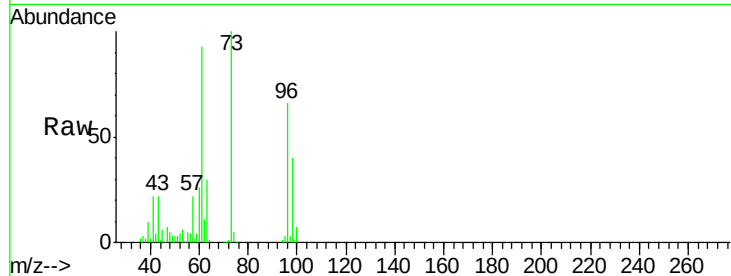
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	93761
Ion	Ratio	Lower	Upper
96	100		
61	140.7	119.4	179.0
98	61.5	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#22

Diisopropyl ether

Concen: 46.566 ug/l

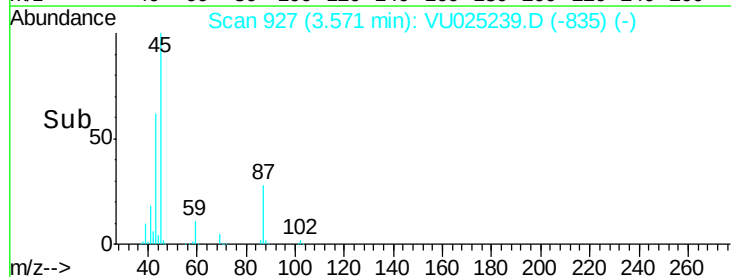
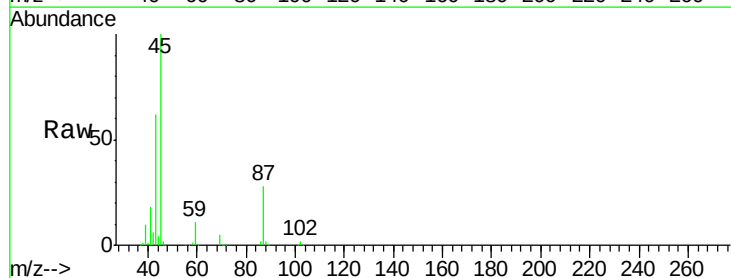
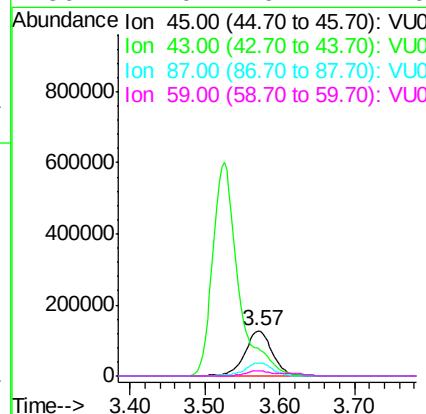
RT: 3.57 min Scan# 927

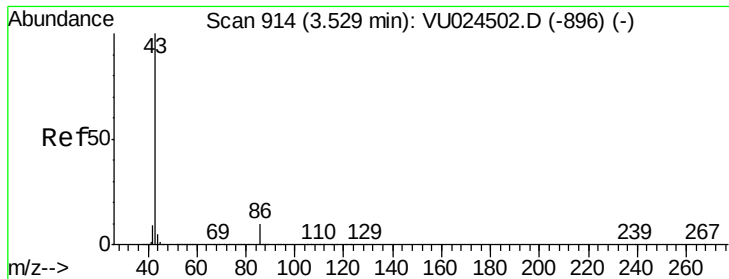
Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	45	Resp:	323243
Ion	Ratio	Lower	Upper
45	100		
43	60.9	45.8	68.6
87	28.3	20.6	31.0
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 231.647 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1440437

Ion Ratio Lower Upper

43 100

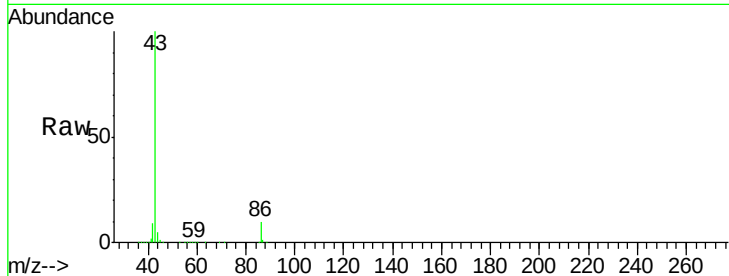
86 10.3 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

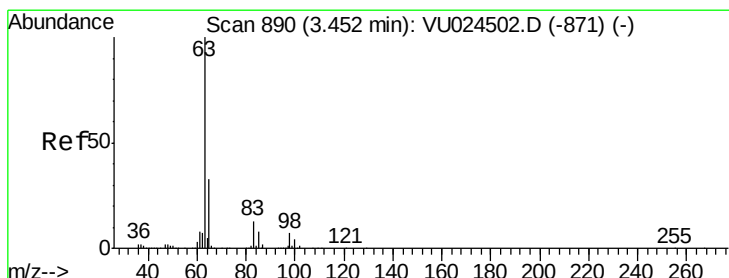
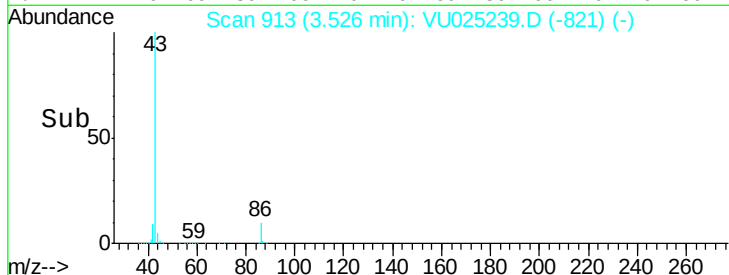
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.272 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

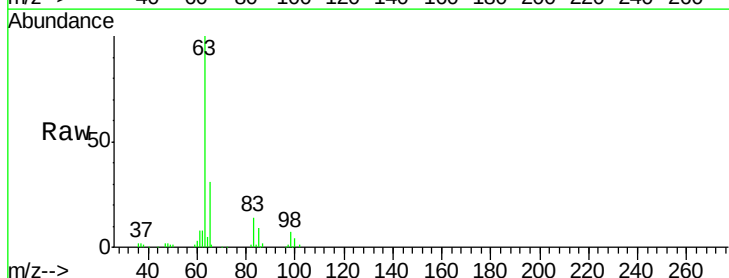
Tgt Ion: 63 Resp: 184780

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

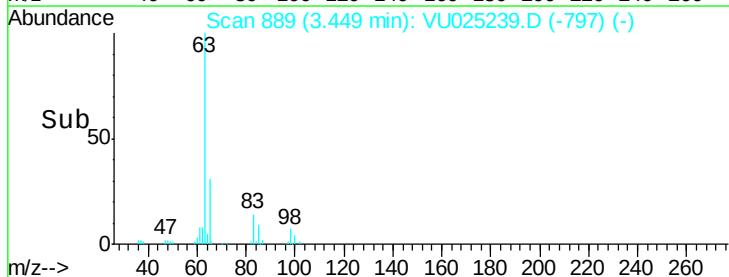
60000

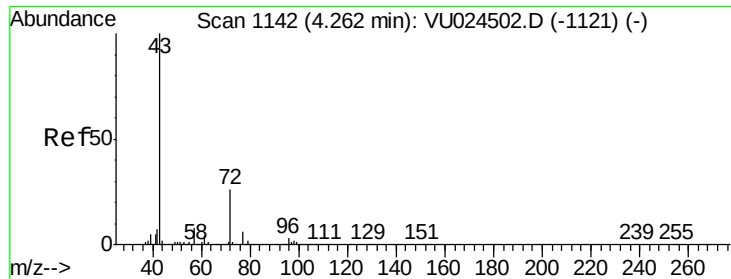
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.123 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tot Ion: 43 Resp: 476402

Ion Ratio Lower Upper

43 100

72 25.8 19.6 29.4

Instrument :

MSVOA_U

ClientSampleId :

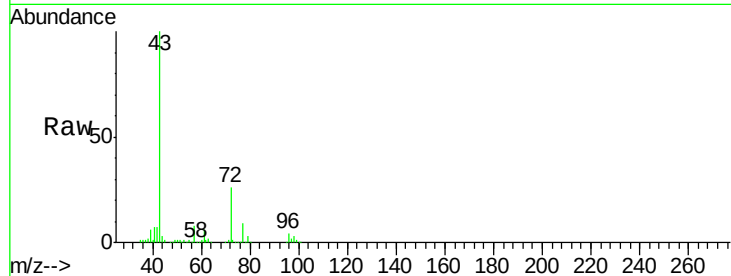
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

200000

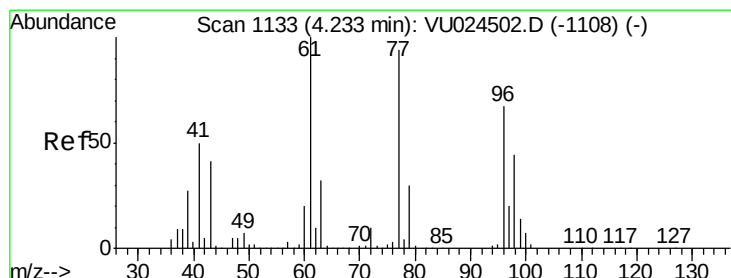
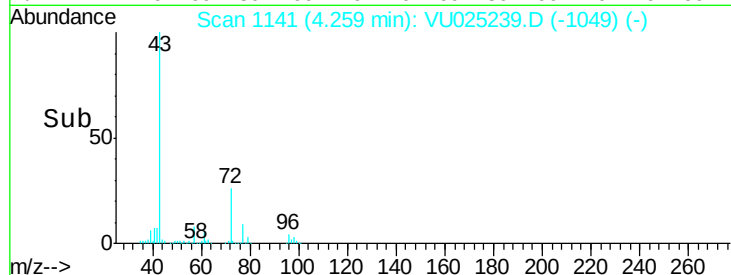
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.950 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025239.D

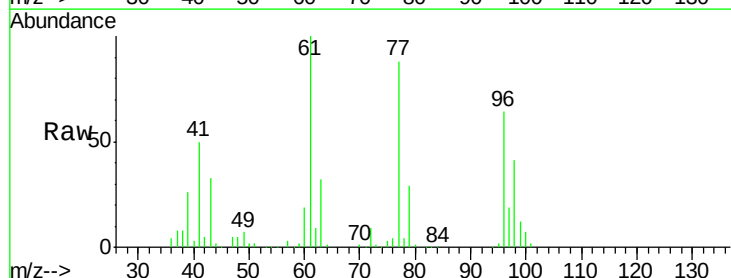
Acq: 06 Jul 2018 14:19

Tgt Ion: 77 Resp: 170445

Ion Ratio Lower Upper

77 100

97 22.0 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

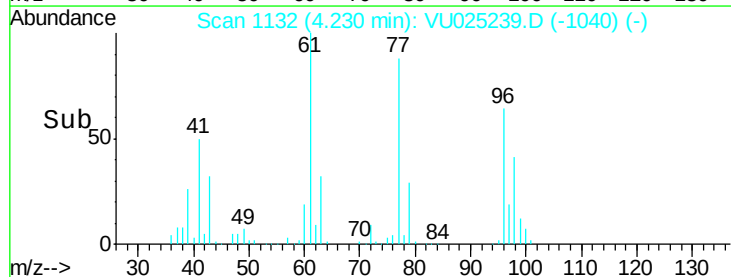
60000

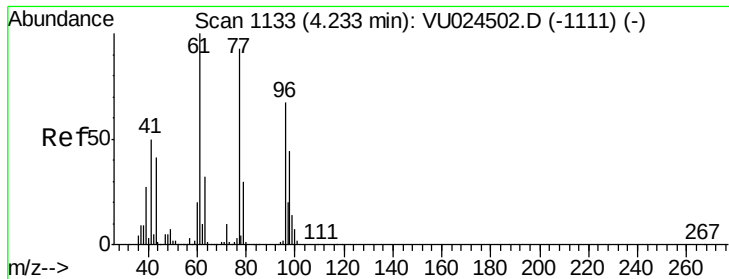
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.346 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

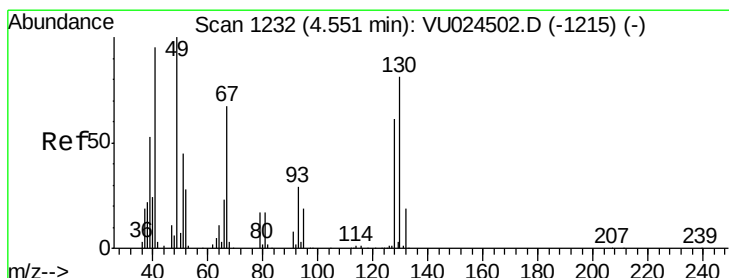
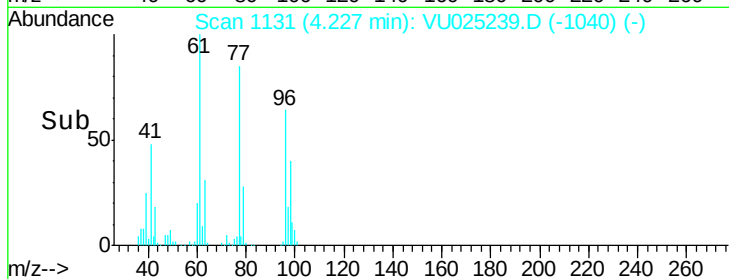
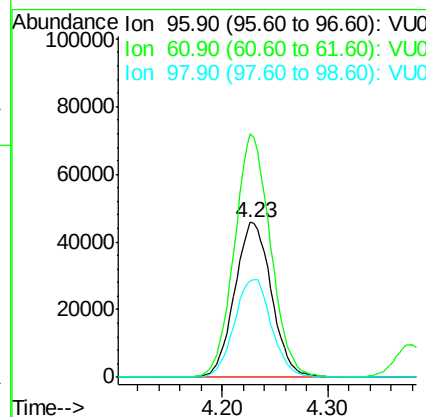
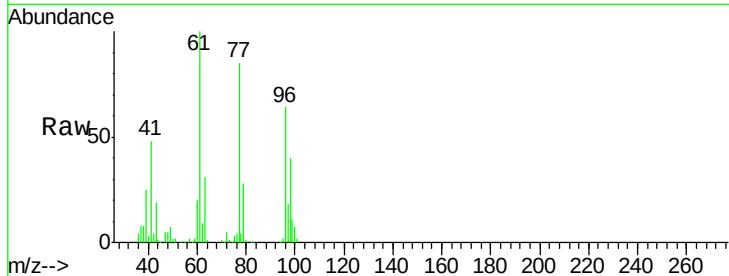
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	110678
Ion Ratio	Lower	Upper	
96	100		
61	155.0	0.0	306.6
98	63.7	0.0	128.8

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#28

Bromochloromethane

Concen: 49.247 ug/l

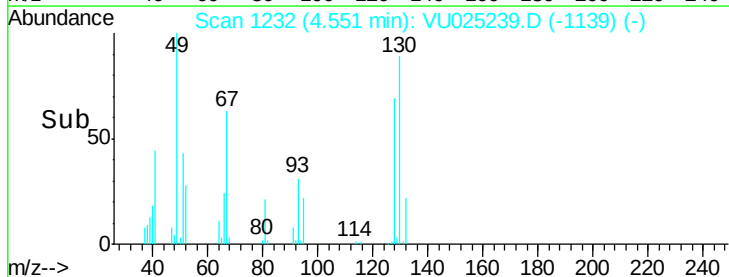
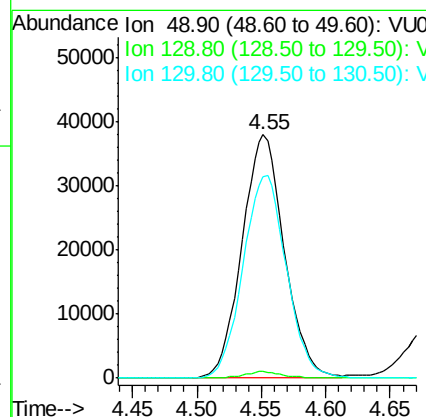
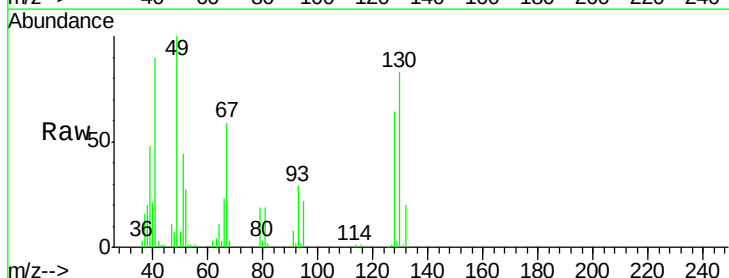
RT: 4.55 min Scan# 1232

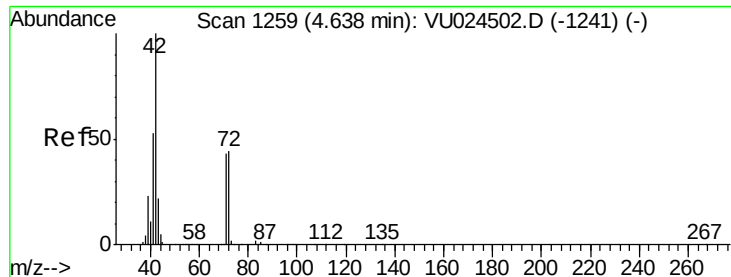
Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	49	Resp:	86622
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.8
130	85.3	57.8	86.6





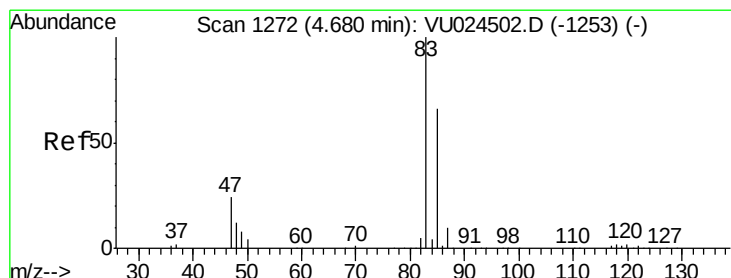
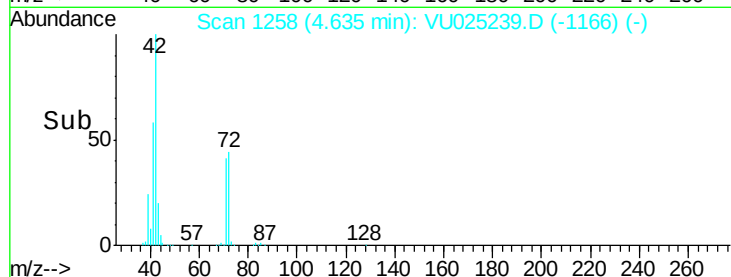
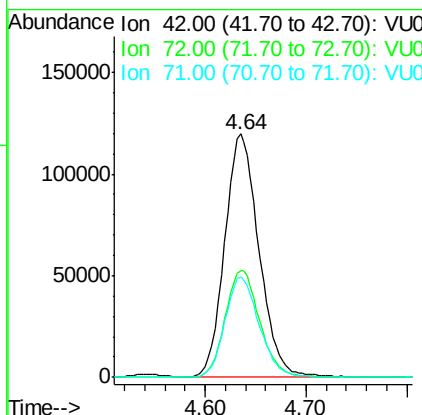
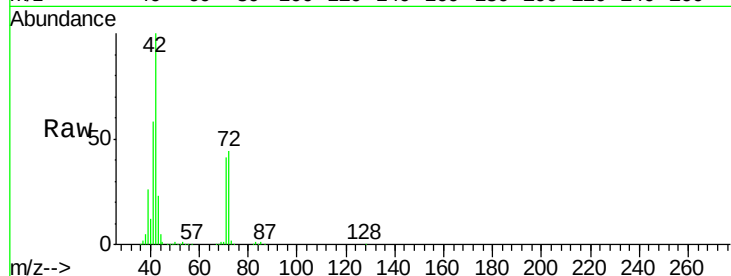
#29
Tetrahydrofuran
Concen: 232.904 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.5	51.7
71	41.5	32.2	48.4

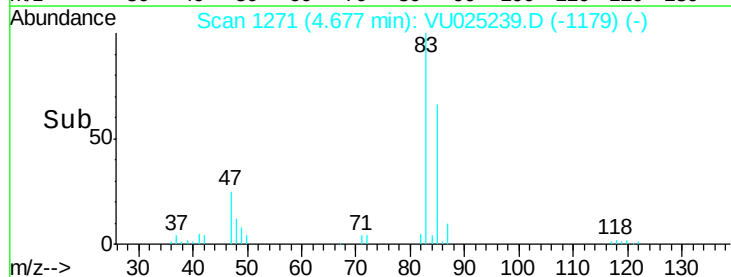
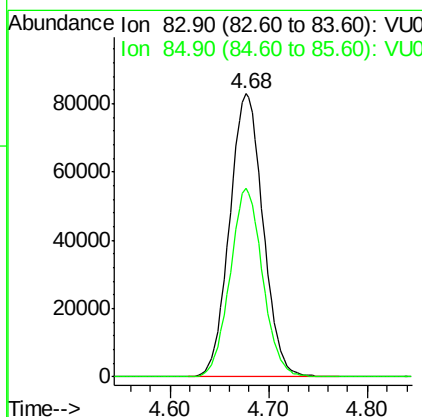
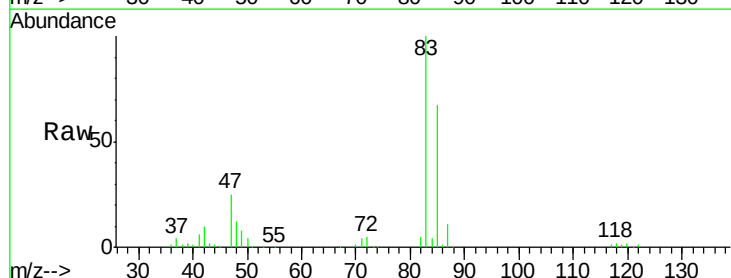
Manual Integrations
APPROVED

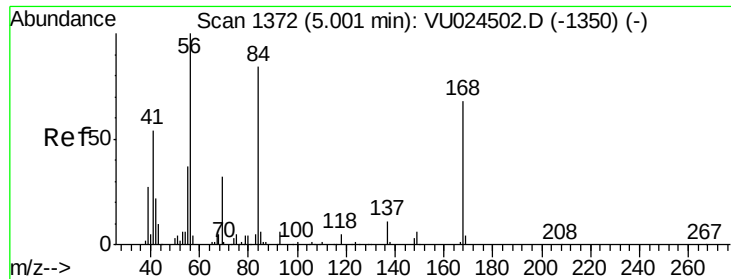
MMDadoda
7/9/2018 12:57:57 PM



#30
Chloroform
Concen: 48.431 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





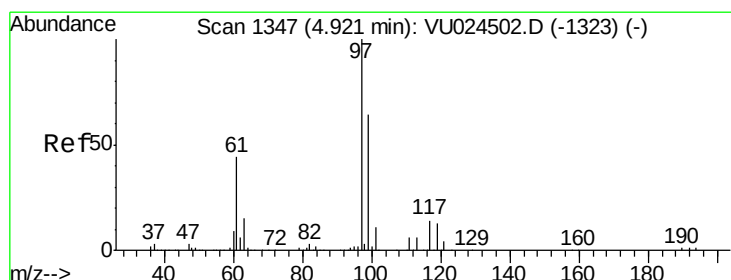
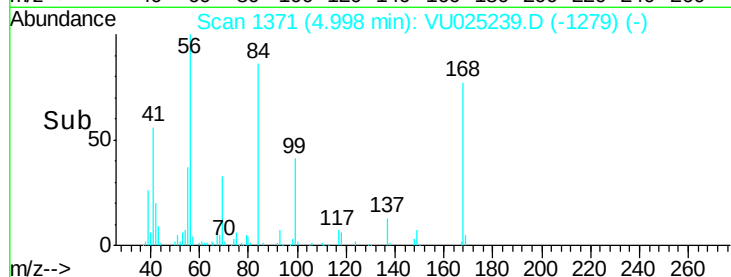
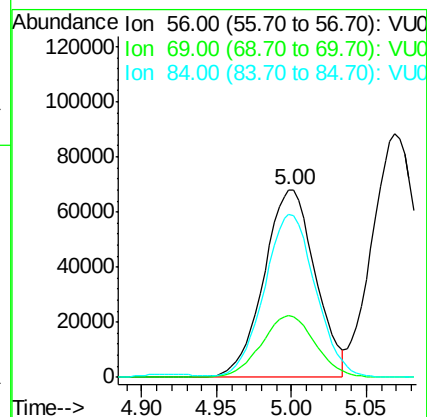
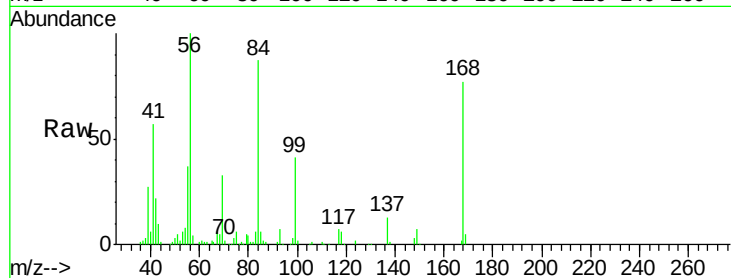
#31
Cyclohexane
Concen: 45.639 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.8	37.2
84	86.2	65.2	97.8

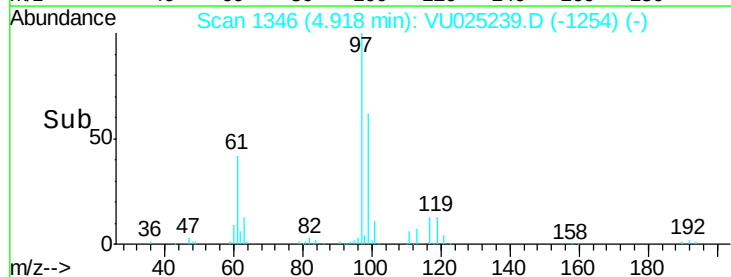
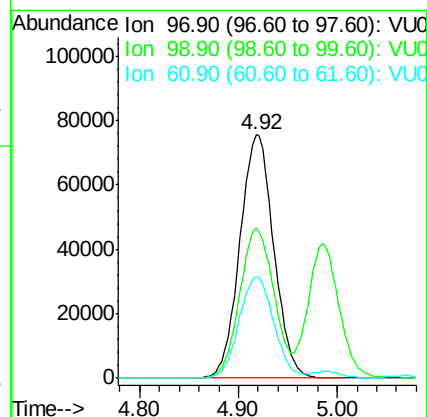
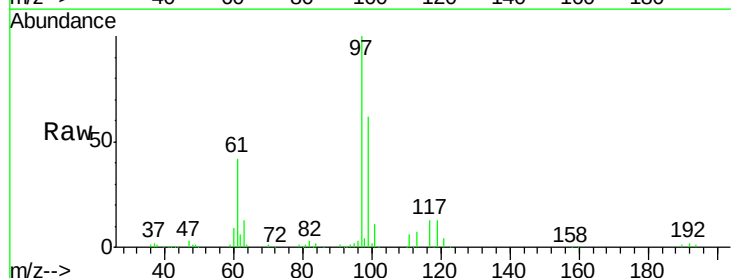
Manual Integrations
APPROVED

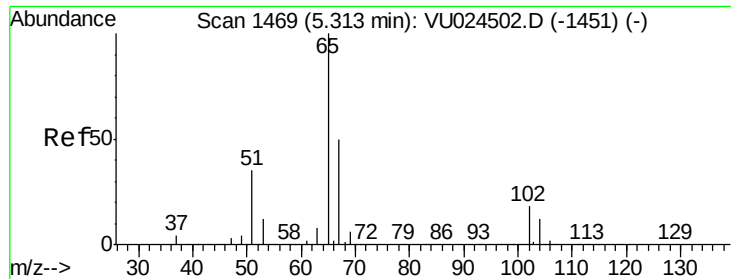
MMDadoda
7/9/2018 12:57:57 PM



#32
1,1,1-Trichloroethane
Concen: 48.028 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.6
61	42.7	39.4	59.0





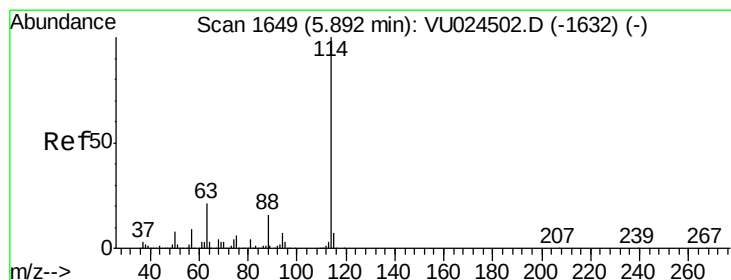
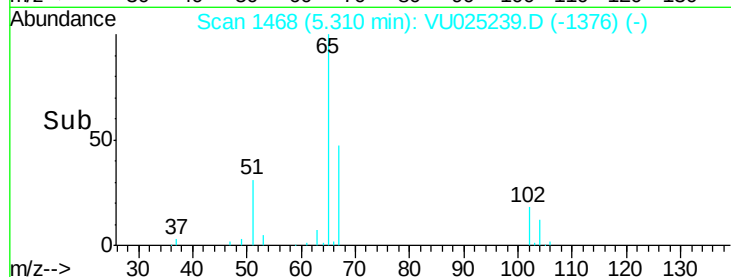
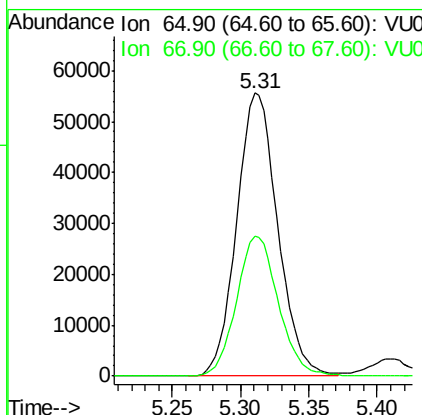
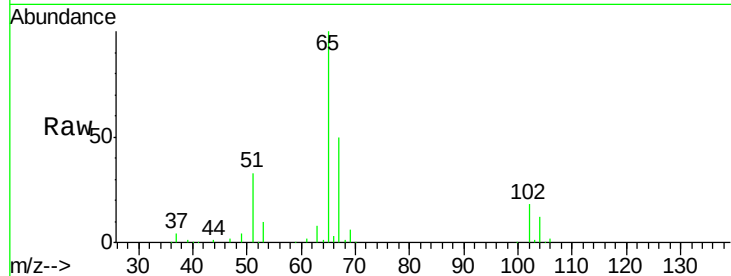
#33
 1,2-Dichloroethane-d4
 Concen: 42.971 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	107.0

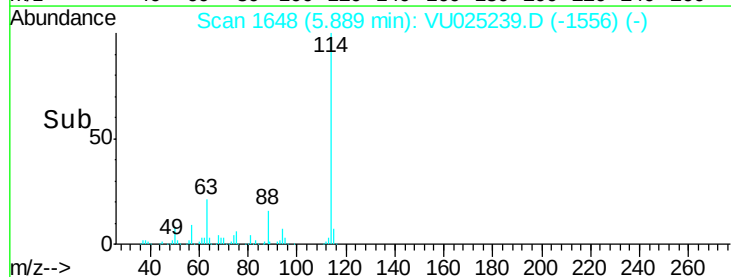
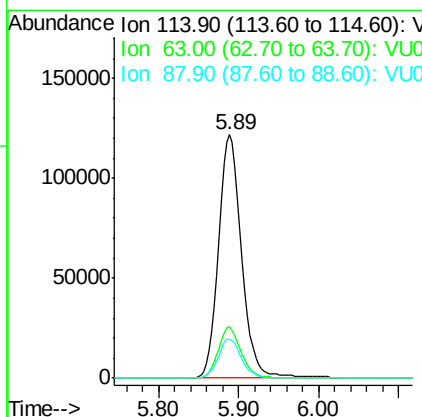
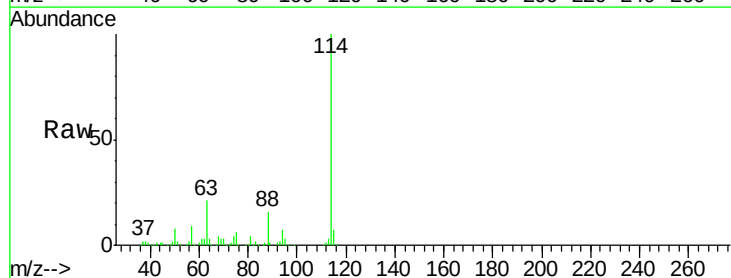
Manual Integrations
 APPROVED

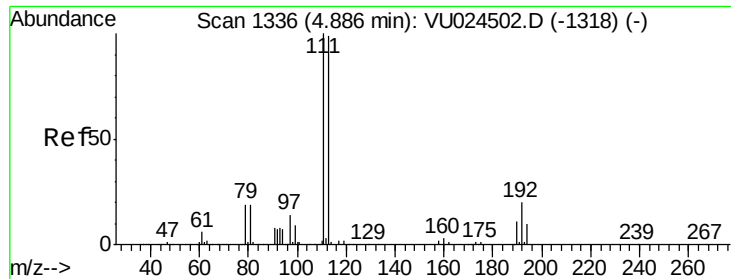
MMDadoda
 7/9/2018 12:57:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.4
88	16.2	0.0	31.0





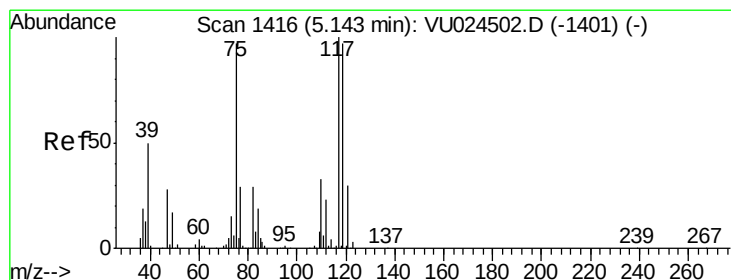
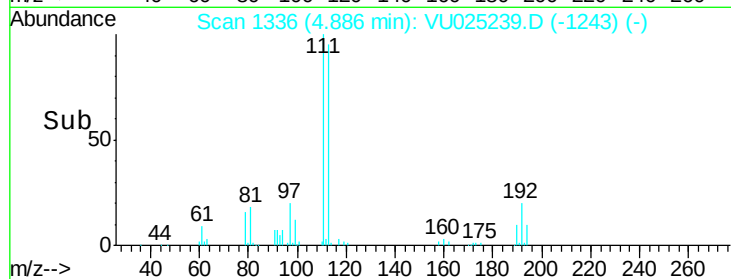
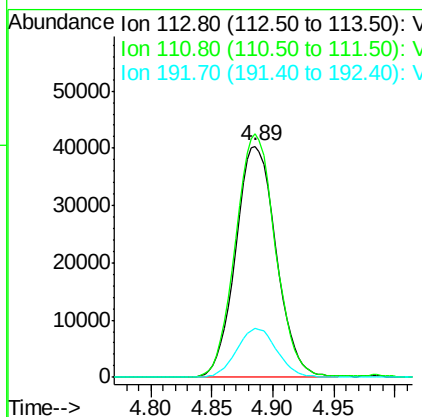
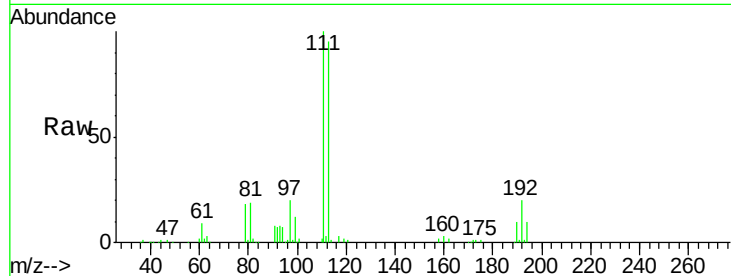
#35
 Dibromofluoromethane
 Concen: 45.921 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	21.0	16.2	24.4

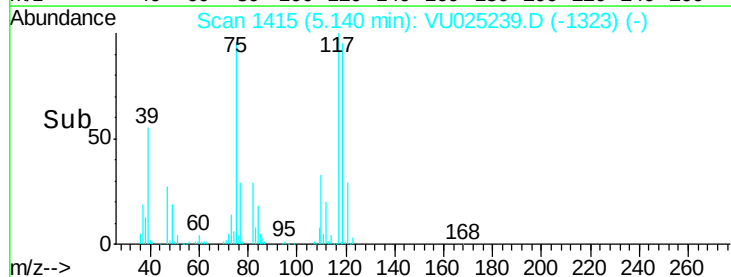
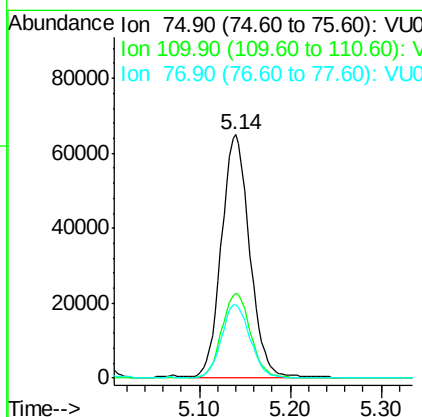
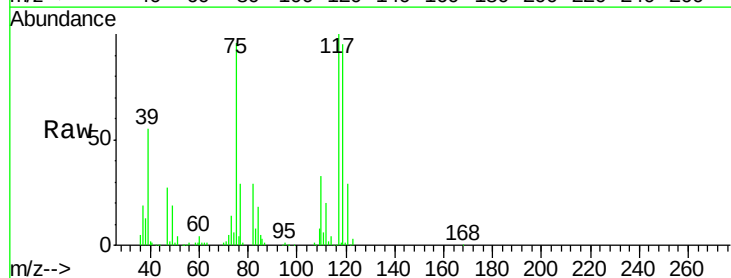
Manual Integrations
 APPROVED

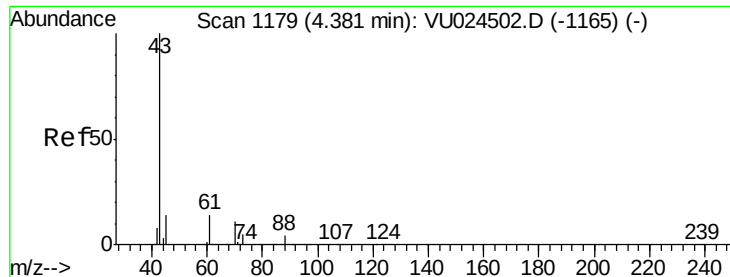
MMDadoda
 7/9/2018 12:57:57 PM



#36
 1,1-Dichloropropene
 Concen: 48.741 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	50.9
77	30.3	24.2	36.4





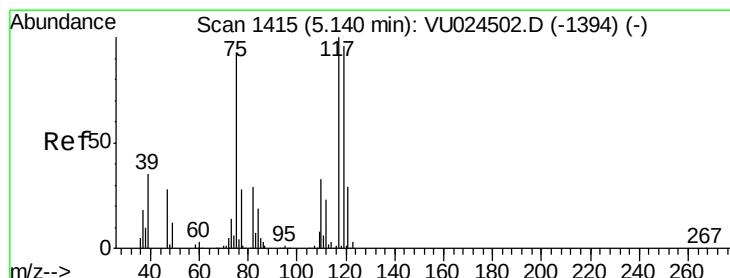
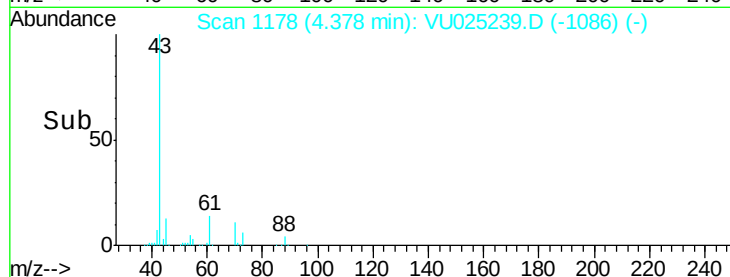
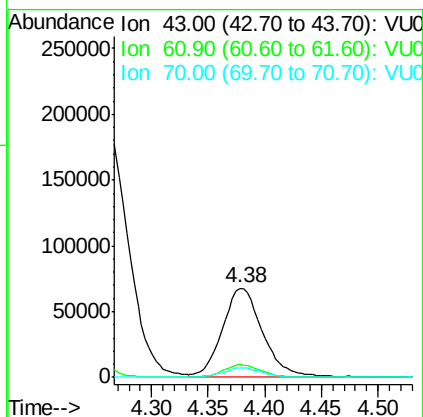
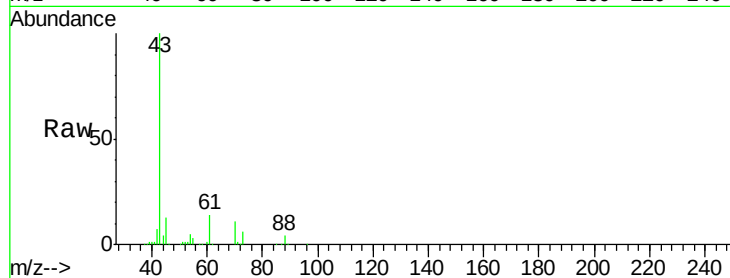
#37
Ethyl Acetate
Concen: 52.486 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	10.7	7.4	11.2

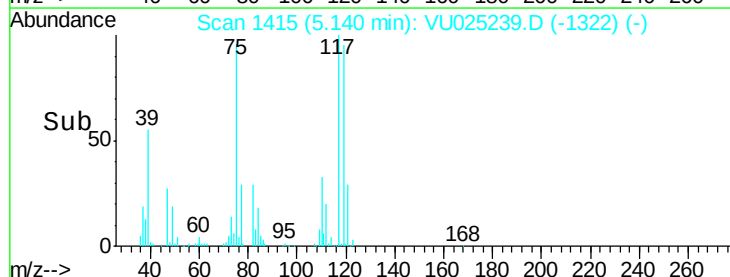
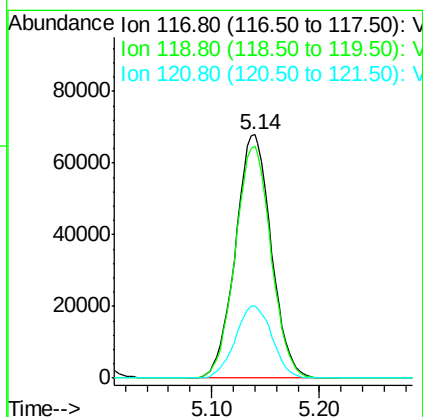
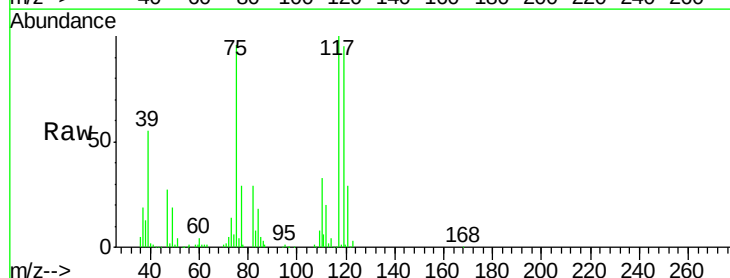
Manual Integrations
APPROVED

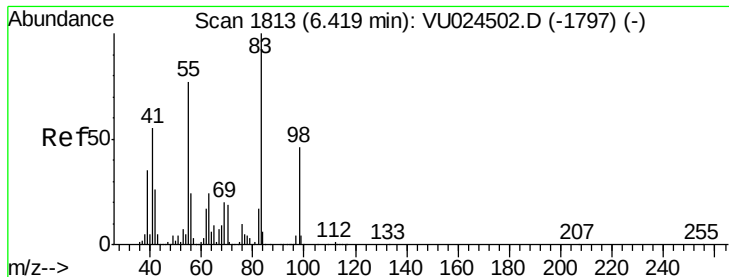
MMDadoda
7/9/2018 12:57:57 PM



#38
Carbon Tetrachloride
Concen: 49.906 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	29.4	23.7	35.5





#39

Methylvlcyclohexane

Concen: 47.791 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

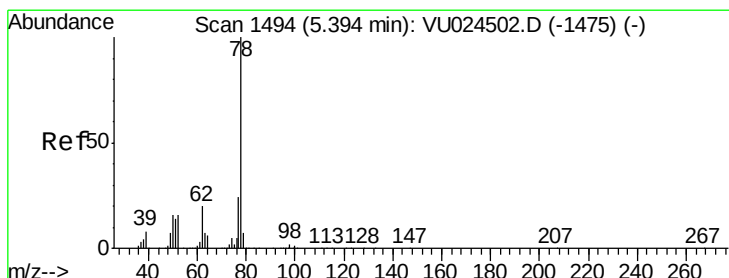
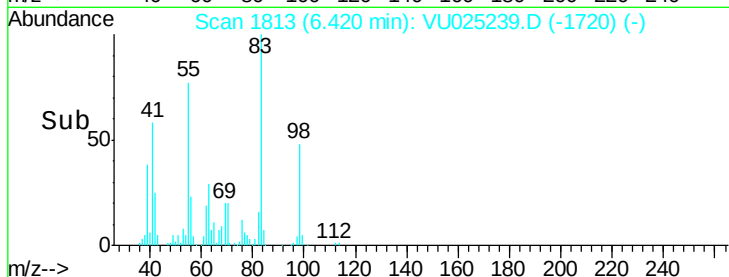
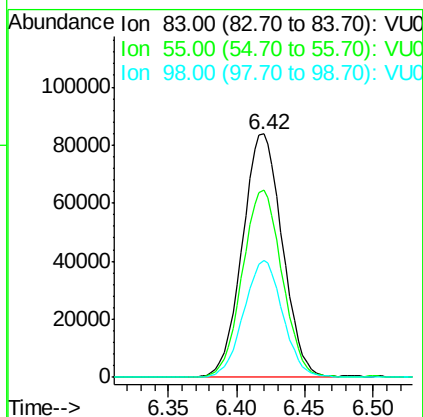
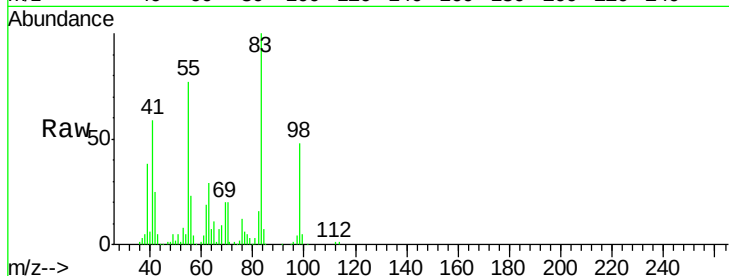
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170707
Ion	Ratio	Lower	Upper
83	100		
55	76.8	65.8	98.6
98	48.0	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#40

Benzene

Concen: 49.612 ug/l

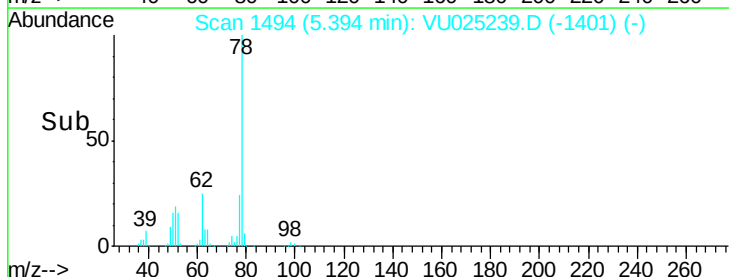
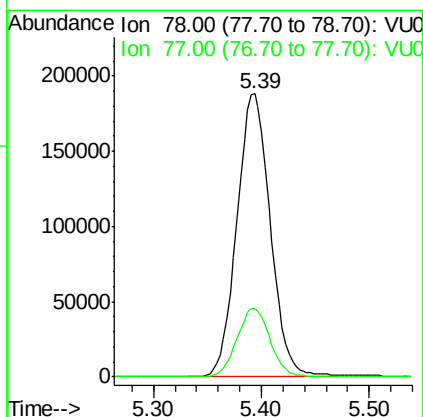
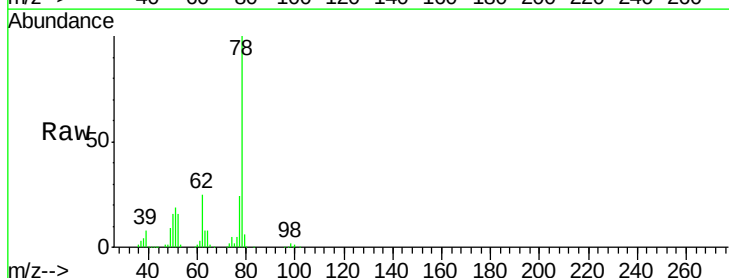
RT: 5.39 min Scan# 1494

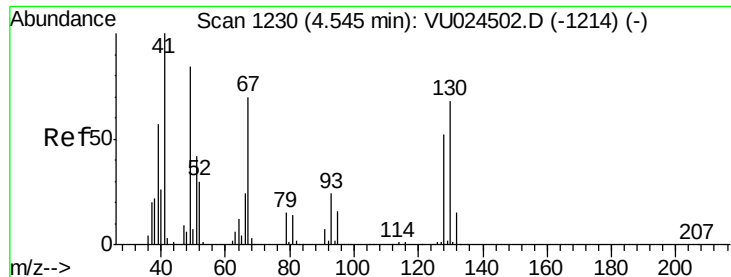
Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	78	Resp:	404639
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 54.805 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

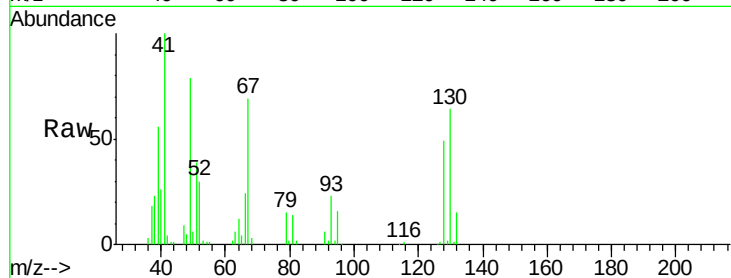
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	43.8	65.6	
67	69.4	56.3	84.5	
52	29.9	23.2	34.8	

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



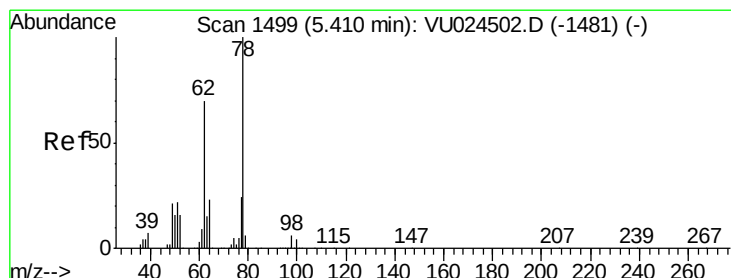
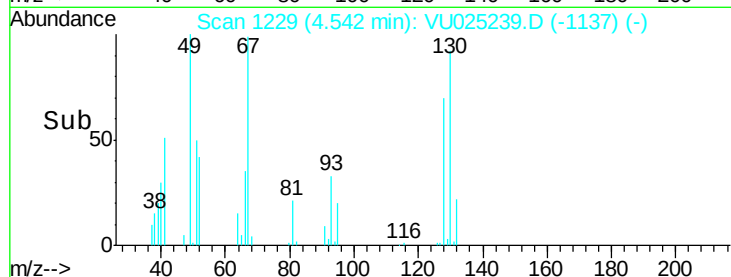
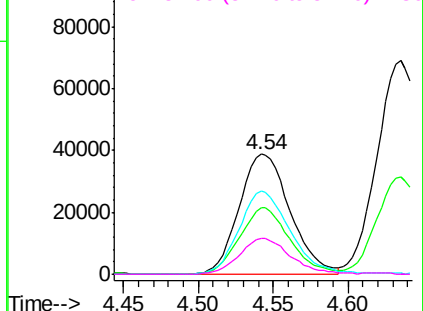
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 52.931 ug/l

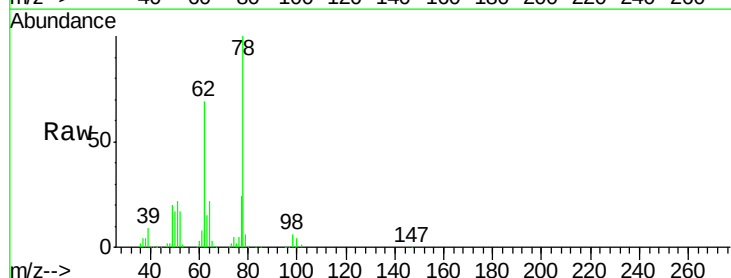
RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

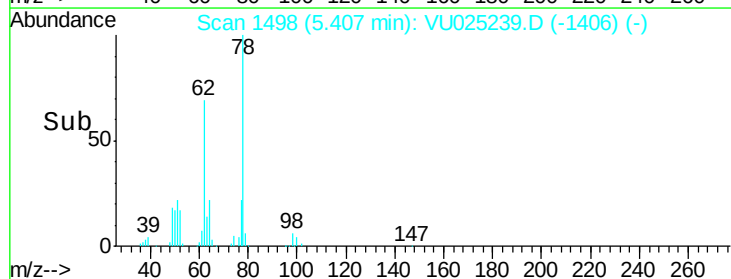
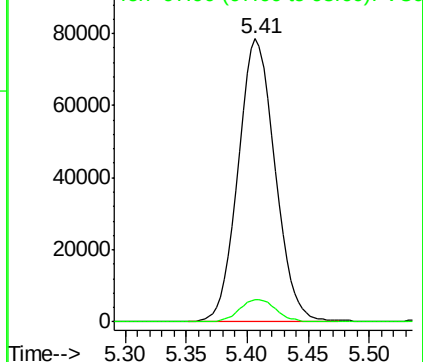
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.6	

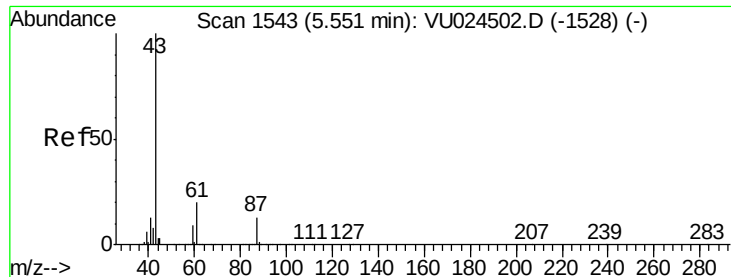


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





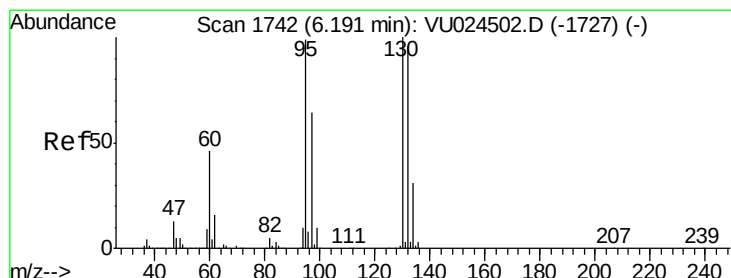
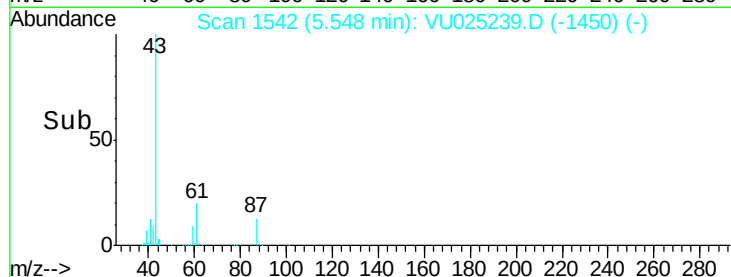
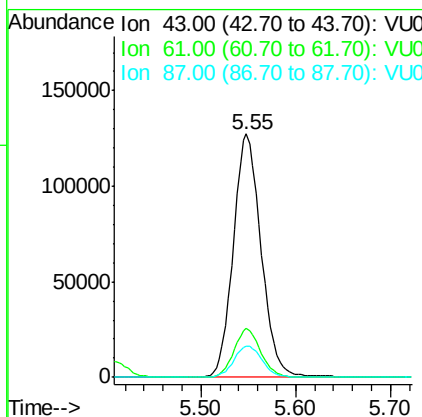
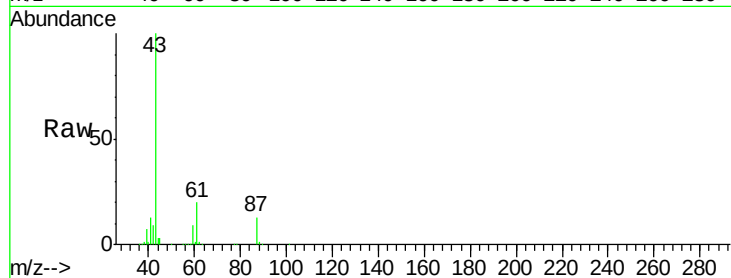
#43
Isopropyl Acetate
Concen: 47.996 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.2	10.0	15.0

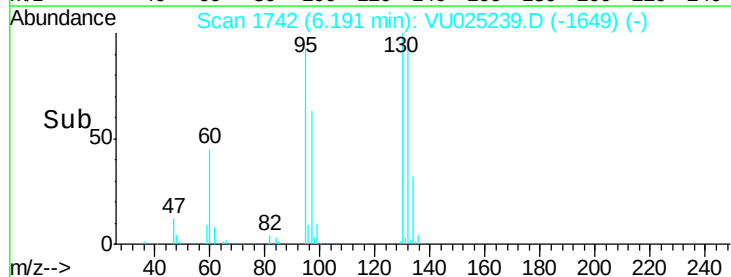
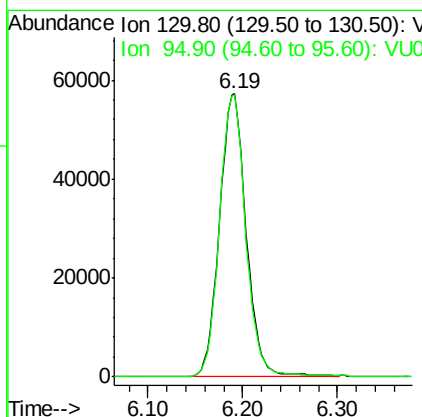
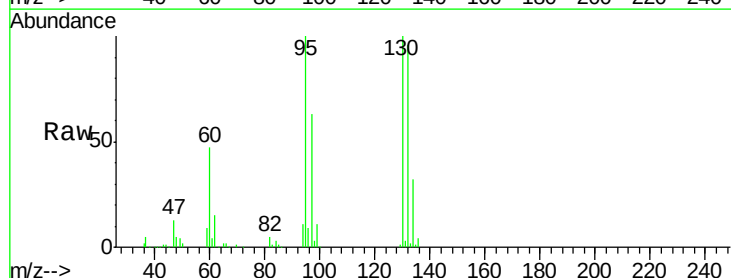
Manual Integrations
APPROVED

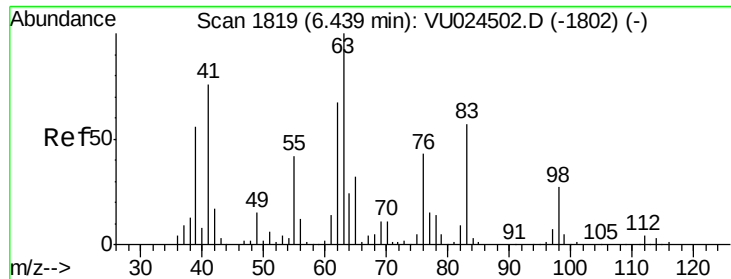
MMDadoda
7/9/2018 12:57:57 PM



#44
Trichloroethene
Concen: 48.398 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	202.4





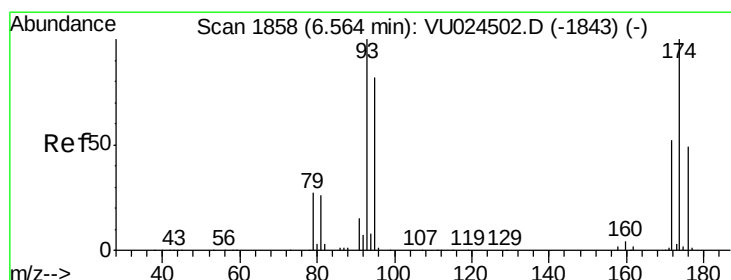
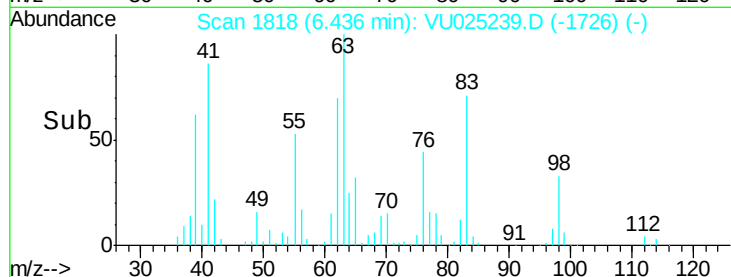
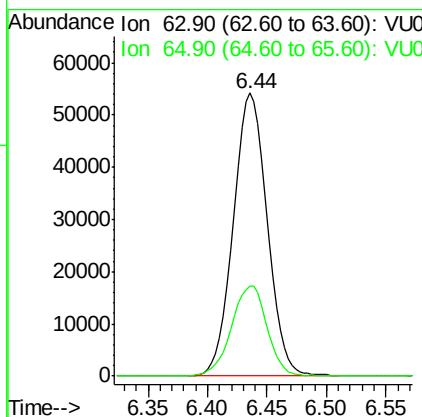
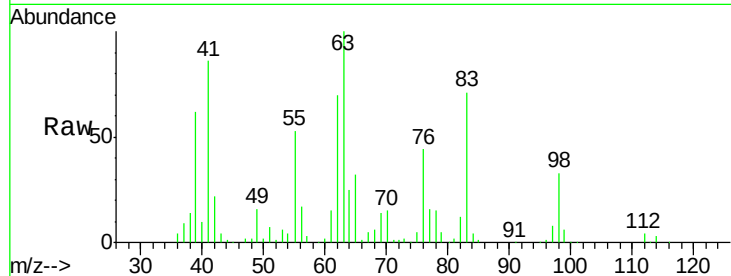
#45
 1,2-Dichloropropane
 Concen: 49.284 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 107253
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

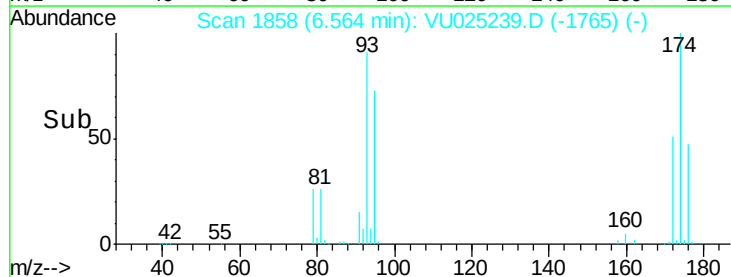
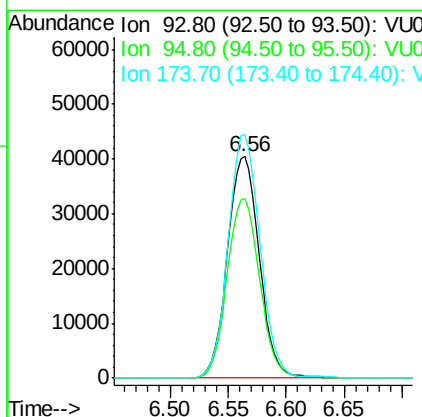
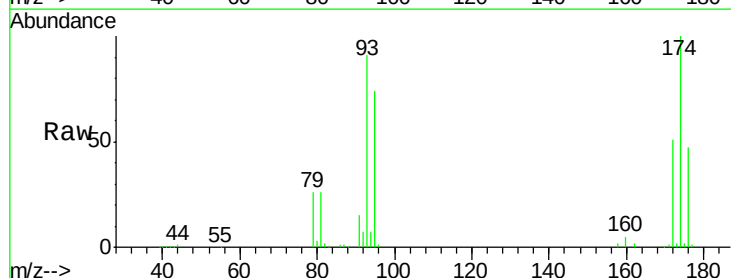
Manual Integrations
 APPROVED

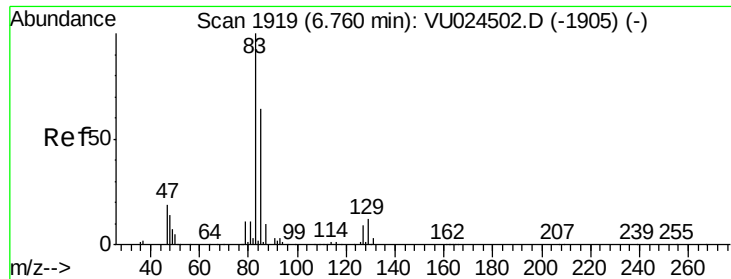
MMDadoda
 7/9/2018 12:57:57 PM



#46
 Dibromomethane
 Concen: 50.591 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion: 93 Resp: 77333
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 109.5 78.7 118.1





#47

Bromodichloromethane

Concen: 48.976 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

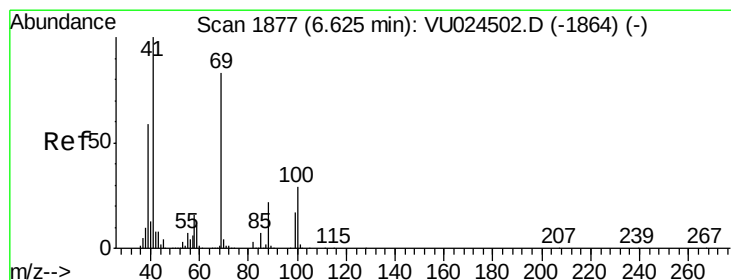
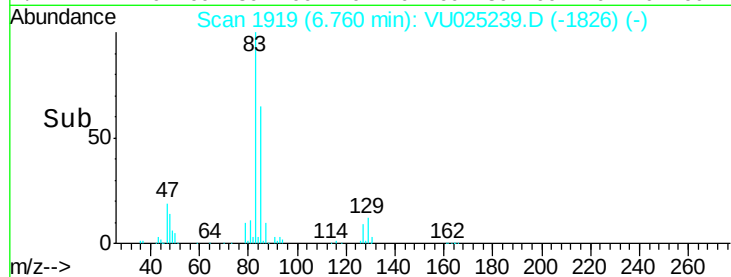
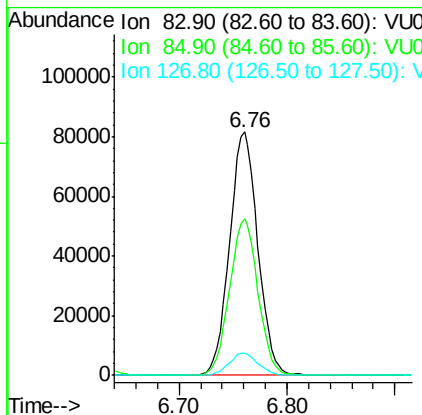
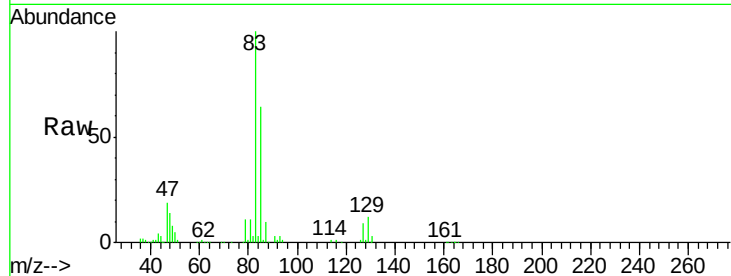
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149077
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.9	77.9
127	9.2	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#48

Methyl methacrylate

Concen: 50.189 ug/l

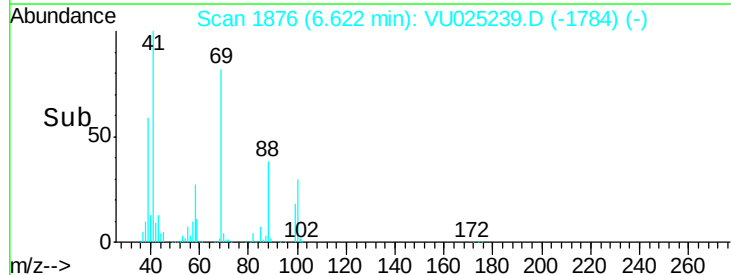
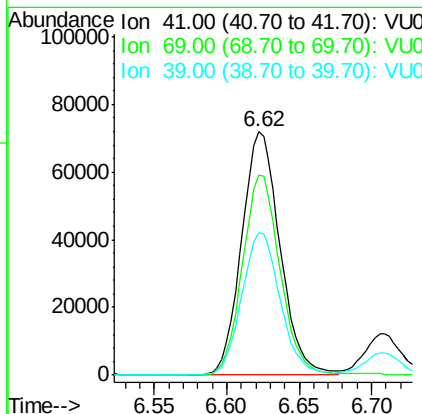
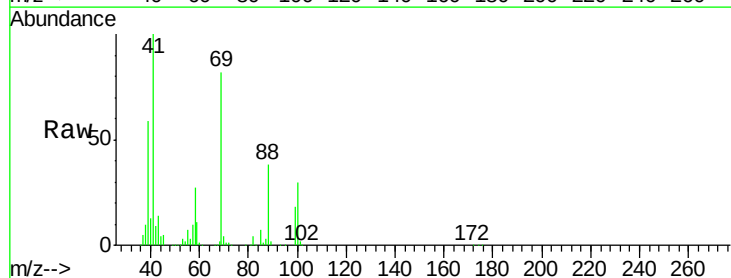
RT: 6.62 min Scan# 1876

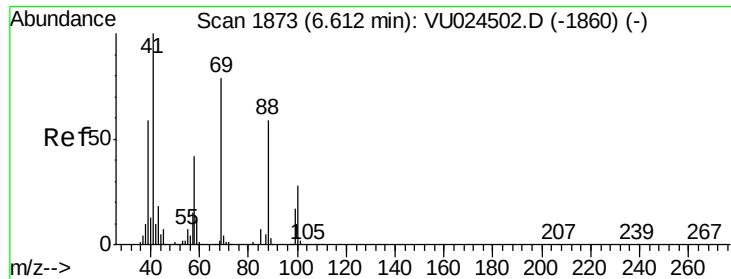
Delta R.T. -0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	41	Resp:	131789
Ion Ratio	Lower	Upper	
41	100		
69	81.0	67.3	100.9
39	58.3	46.5	69.7





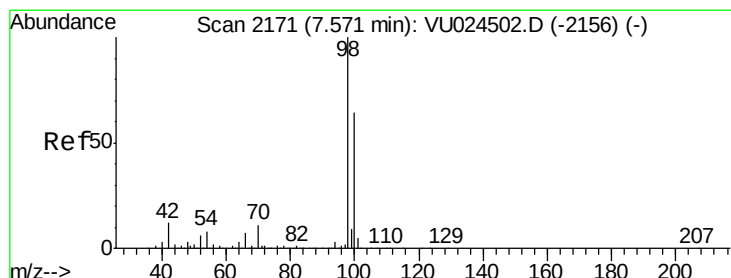
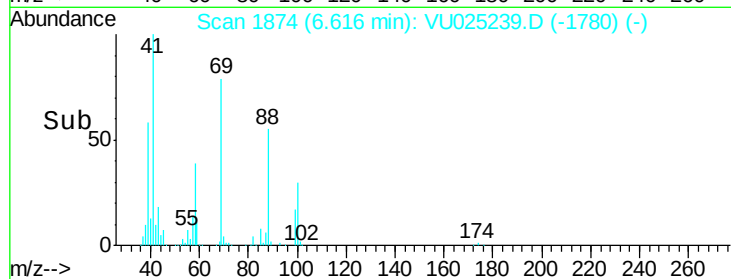
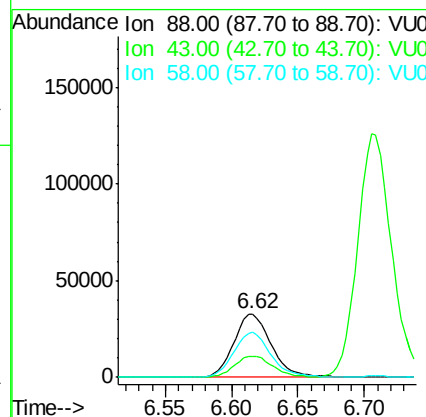
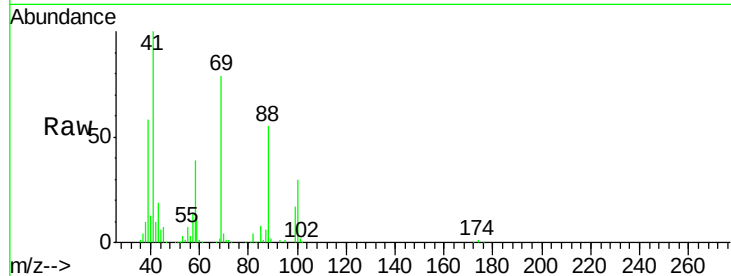
#49
1,4-Dioxane
Concen: 1233.896 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	28.6	42.8
58	71.2	58.2	87.4

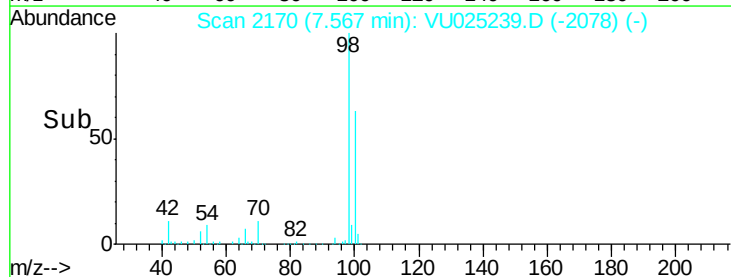
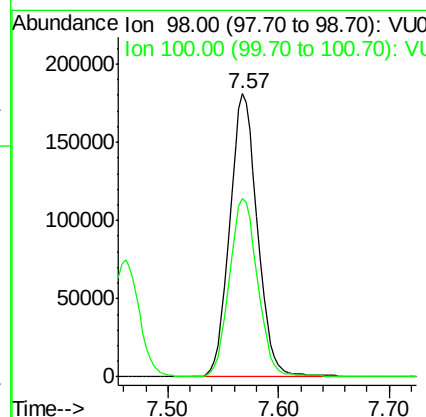
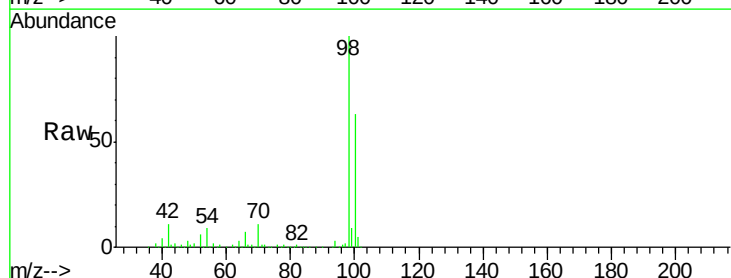
Manual Integrations
APPROVED

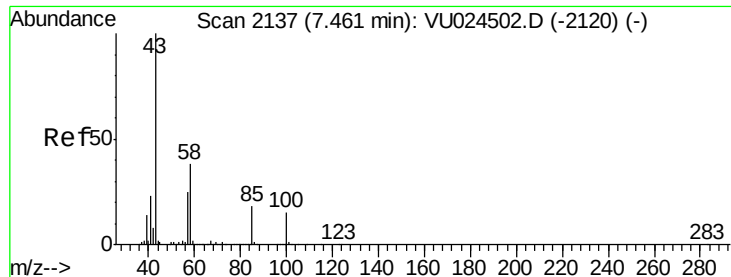
MMDadoda
7/9/2018 12:57:57 PM



#50
Toluene-d8
Concen: 42.715 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 250.174 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 847561

Ion Ratio Lower Upper

43 100

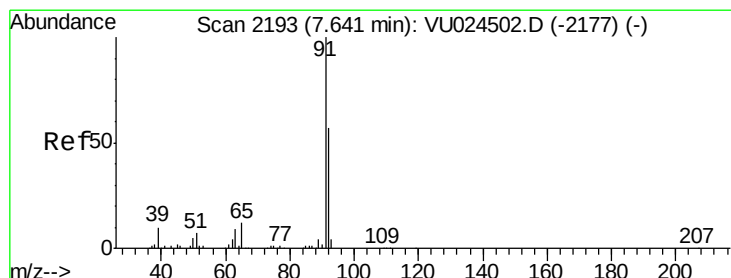
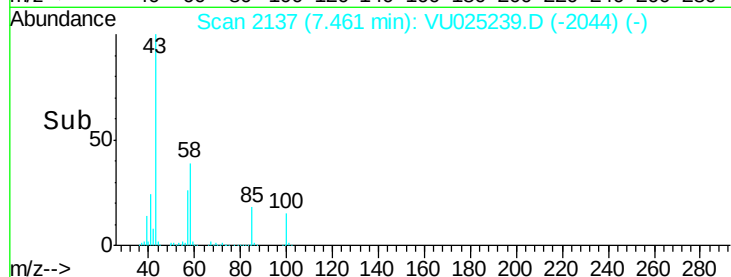
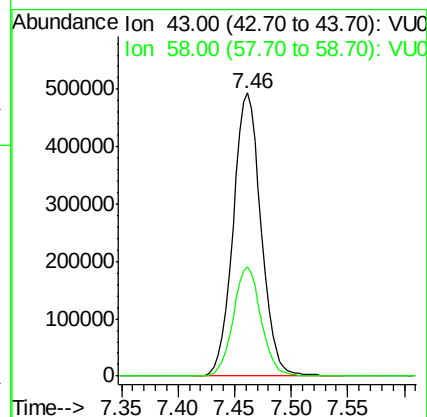
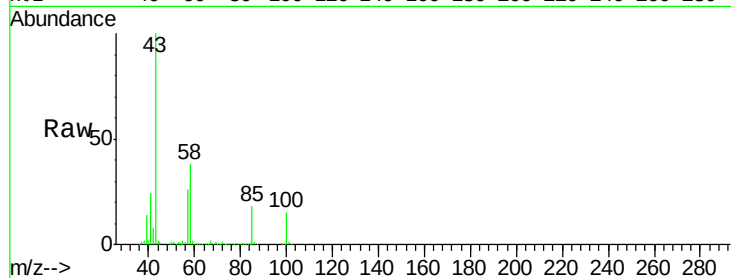
58 38.5 30.0 45.0

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#52

Toluene

Concen: 49.442 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025239.D

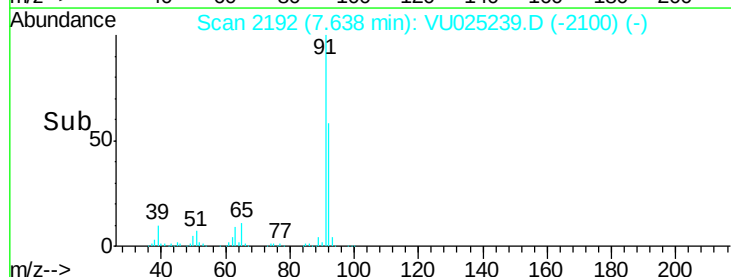
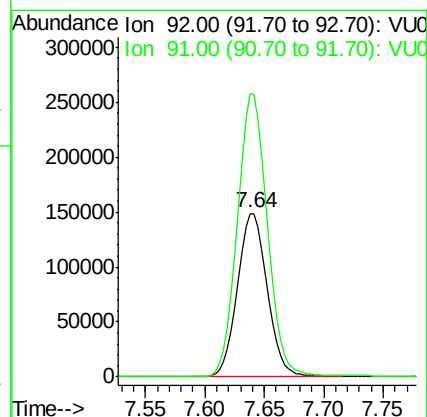
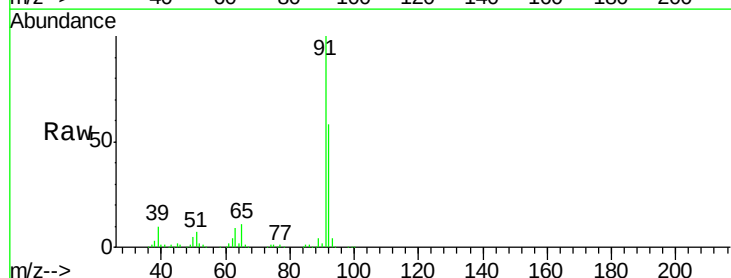
Acq: 06 Jul 2018 14:19

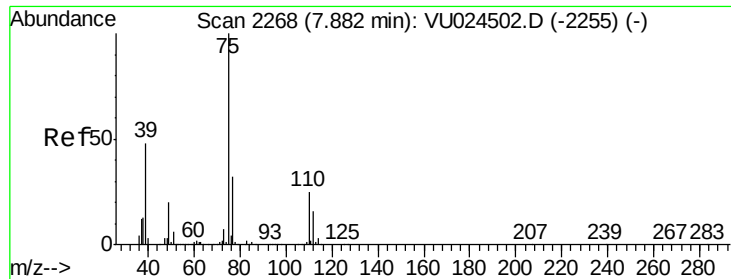
Tgt Ion: 92 Resp: 259439

Ion Ratio Lower Upper

92 100

91 175.3 140.5 210.7





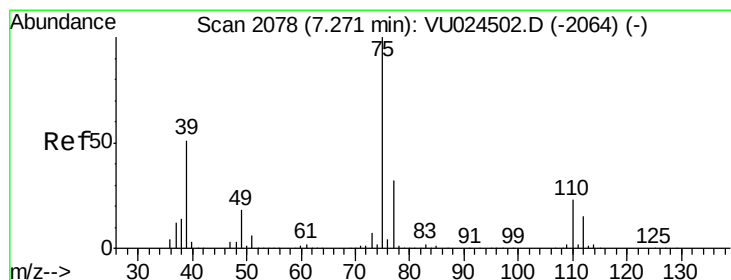
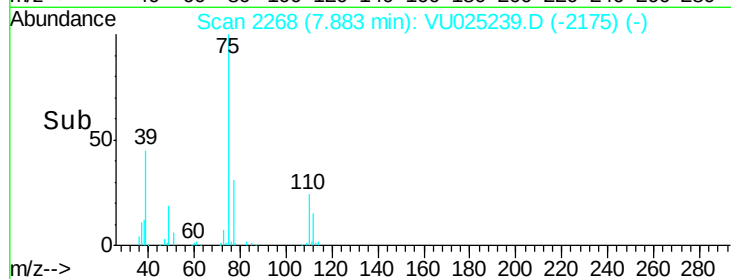
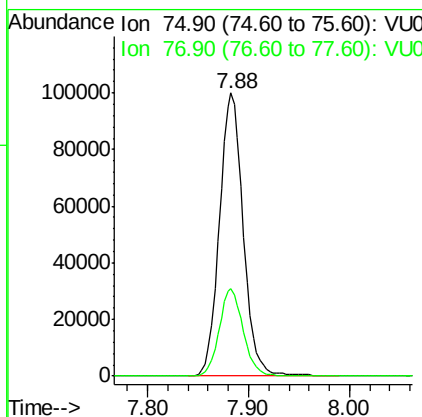
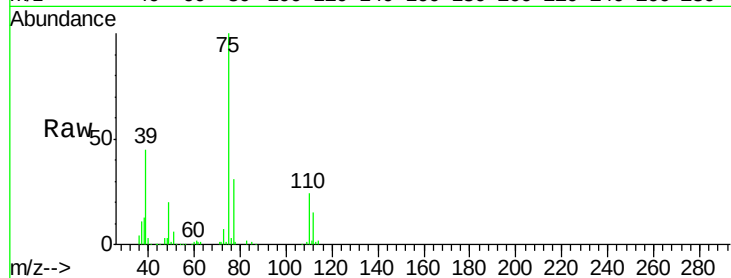
#53
t-1,3-Dichloropropene
Concen: 48.183 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2

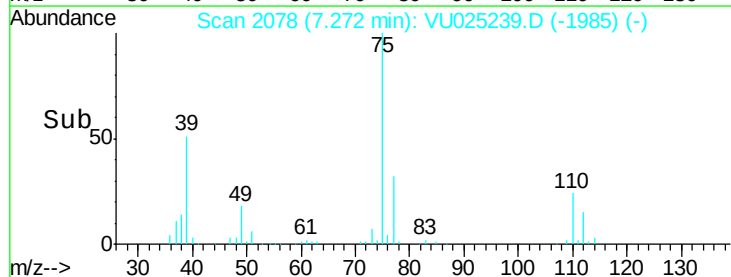
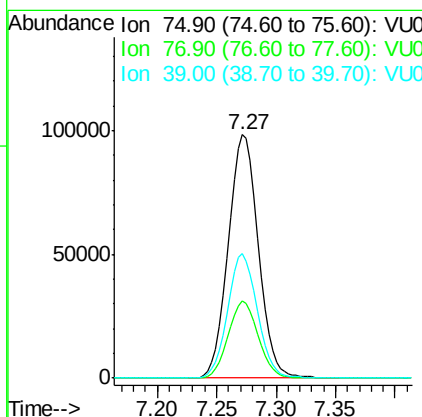
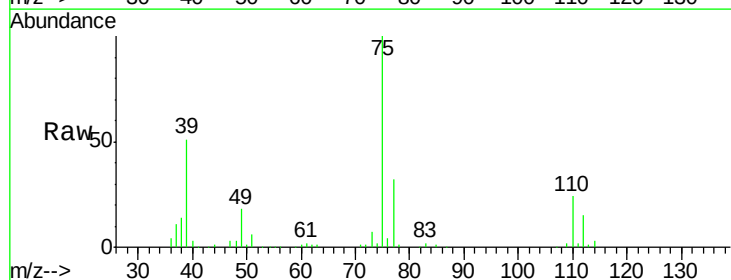
Manual Integrations
APPROVED

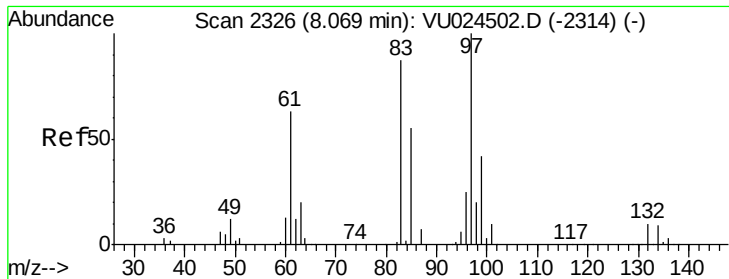
MMDadoda
7/9/2018 12:57:57 PM



#54
cis-1,3-Dichloropropene
Concen: 47.357 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	51.0	39.8	59.6





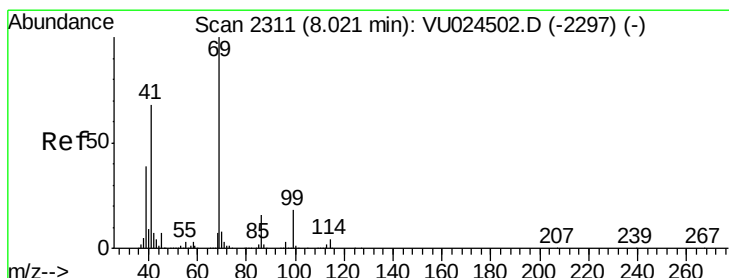
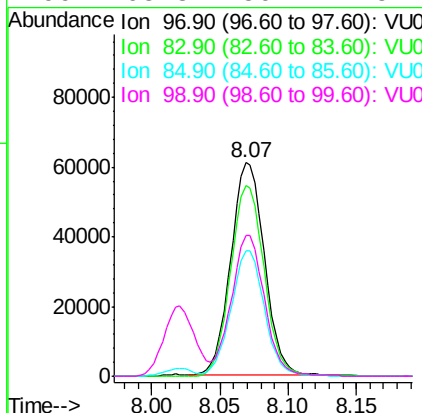
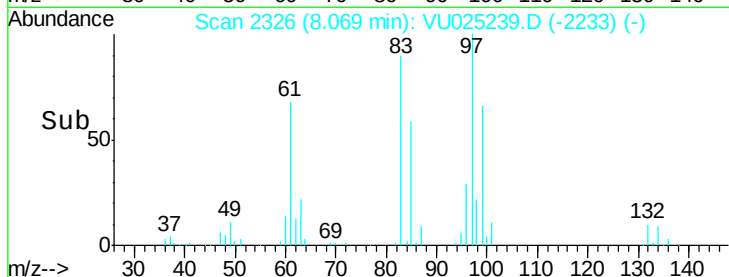
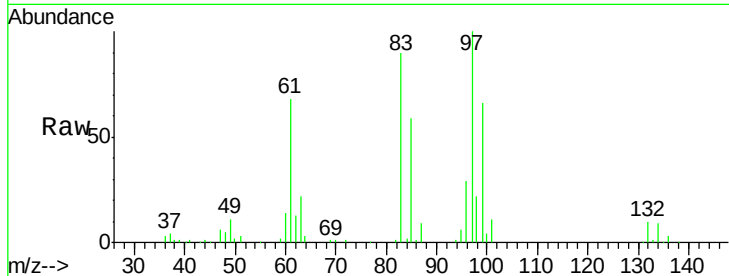
#55
 1,1,2-Trichloroethane
 Concen: 49.202 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	104946
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.5	105.7
85	59.0	46.4	69.6
99	65.8	50.2	75.2

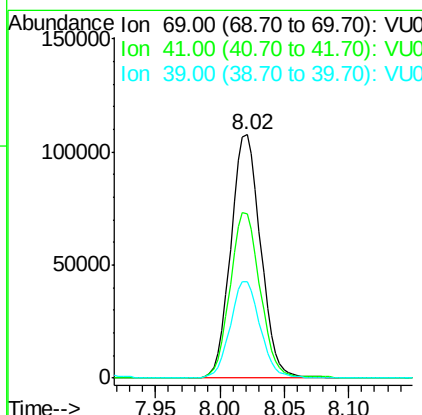
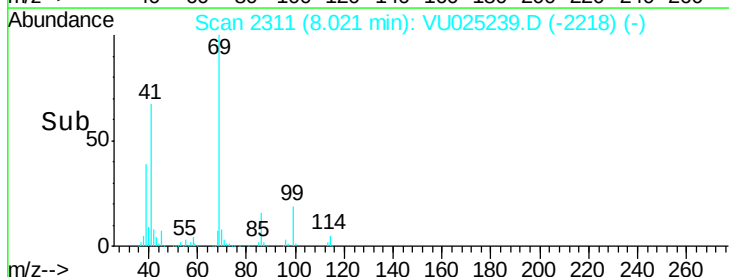
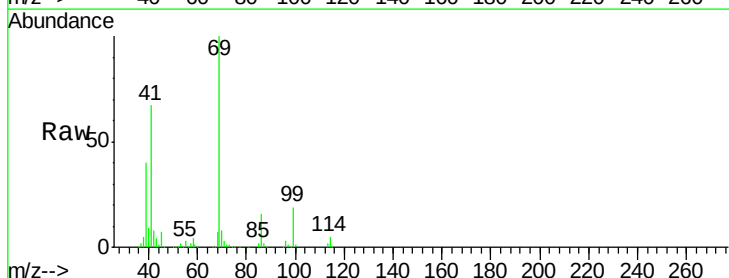
Manual Integrations
 APPROVED

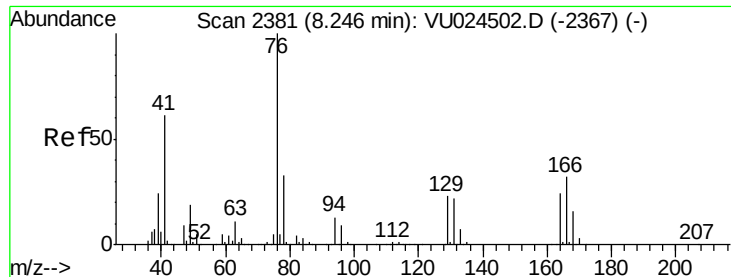
MMDadoda
 7/9/2018 12:57:57 PM



#56
 Ethyl methacrylate
 Concen: 48.552 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	69	Resp	173331
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	39.3	30.3	45.5





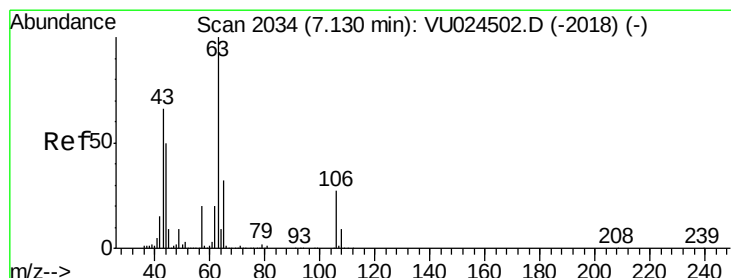
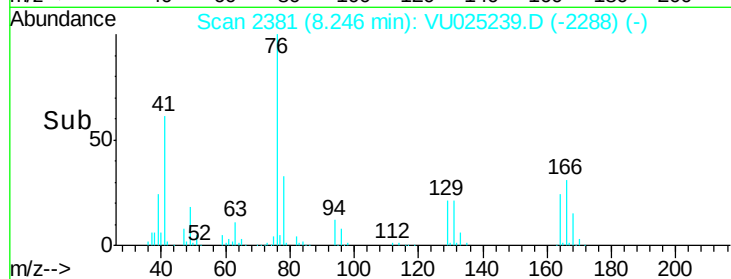
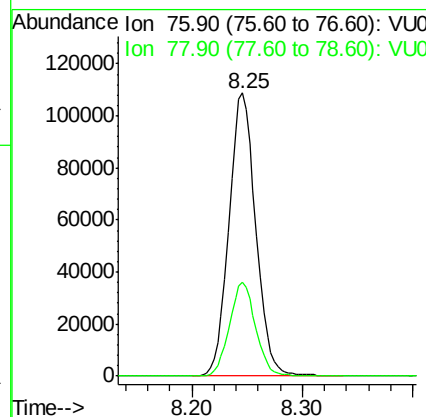
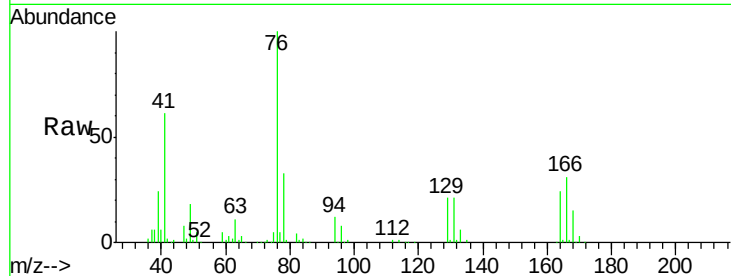
#57
 1,3-Dichloropropane
 Concen: 50.880 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 183075
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

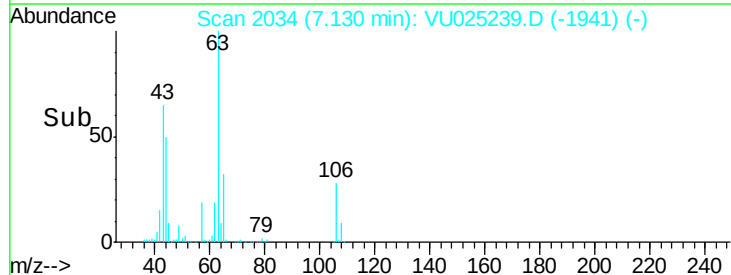
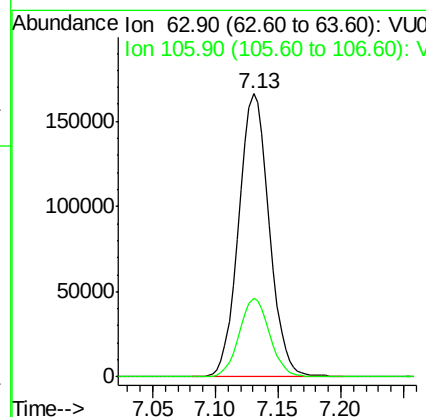
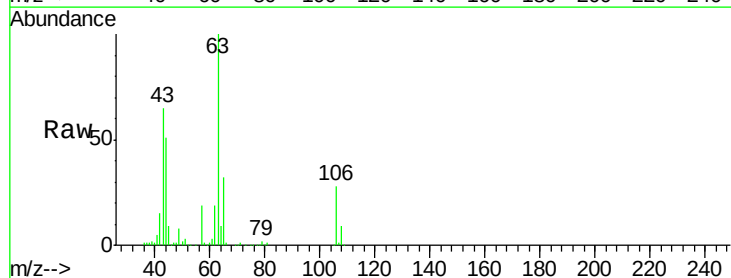
Manual Integrations
 APPROVED

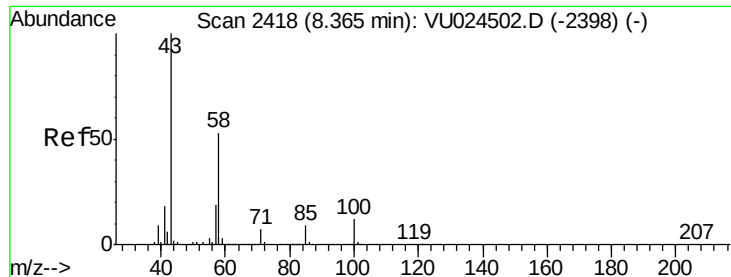
MMDadoda
 7/9/2018 12:57:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.758 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion: 63 Resp: 281415
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2





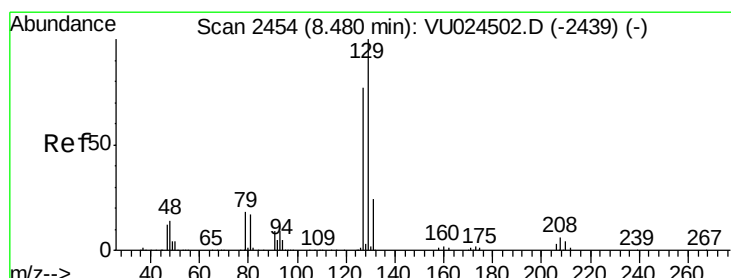
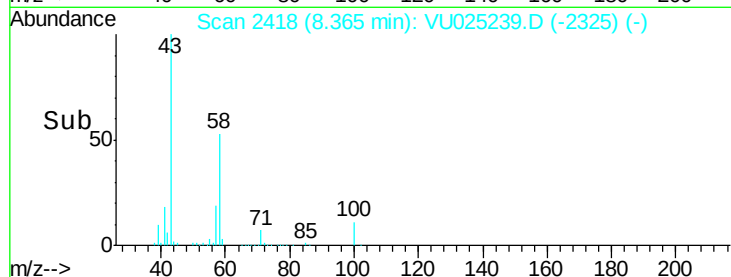
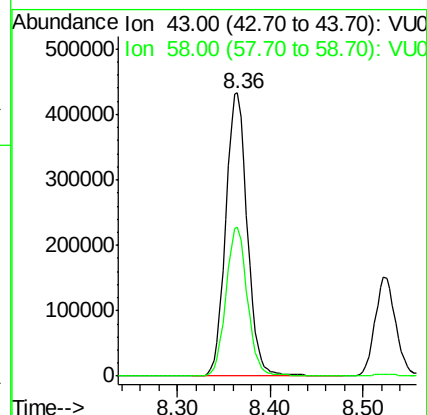
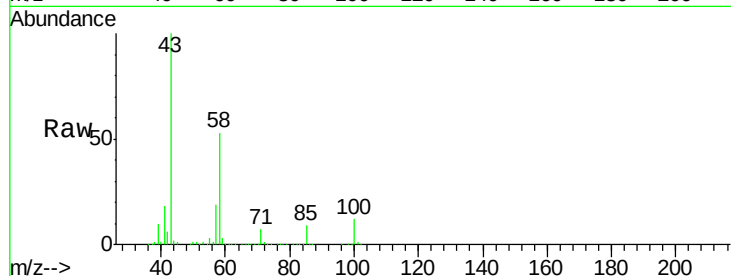
#59
2-Hexanone
Concen: 252.917 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.4	79.0

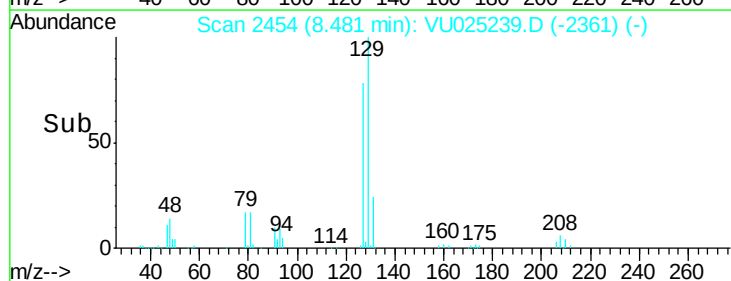
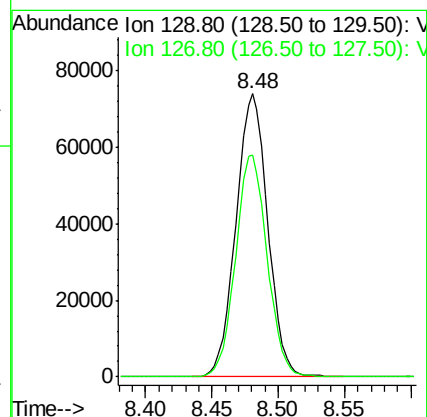
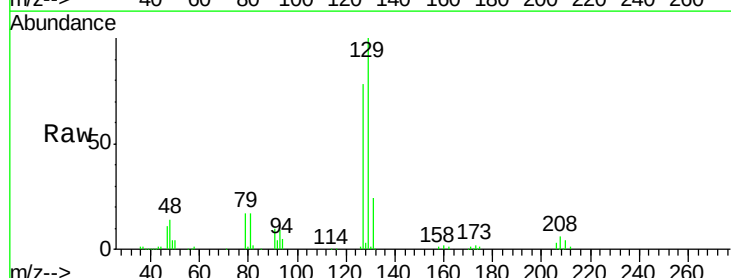
Manual Integrations
APPROVED

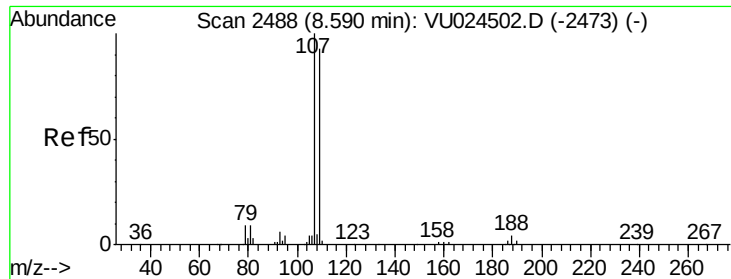
MMDadoda
7/9/2018 12:57:57 PM



#60
Dibromochloromethane
Concen: 46.438 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0





#61

1,2-Dibromoethane

Concen: 50.322 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 119467

Ion Ratio Lower Upper

107 100

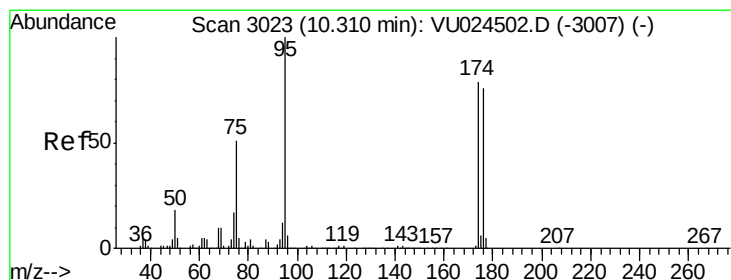
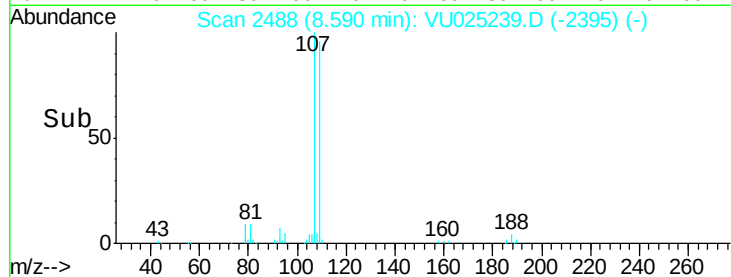
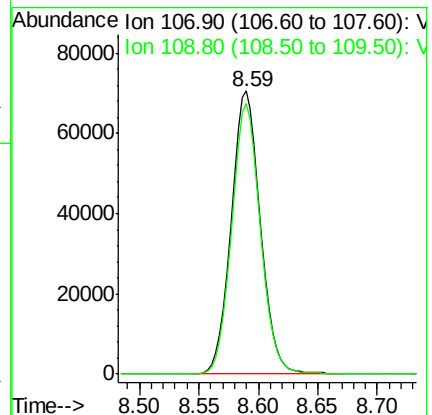
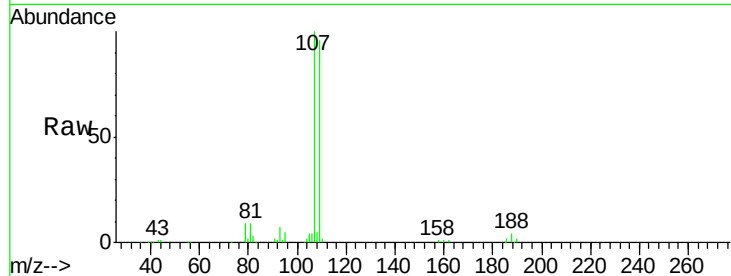
109 94.3 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#62

4-Bromofluorobenzene

Concen: 43.436 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

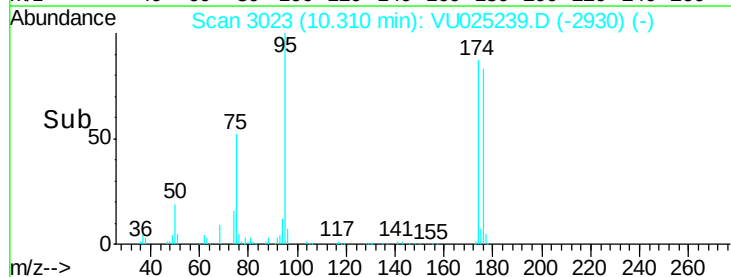
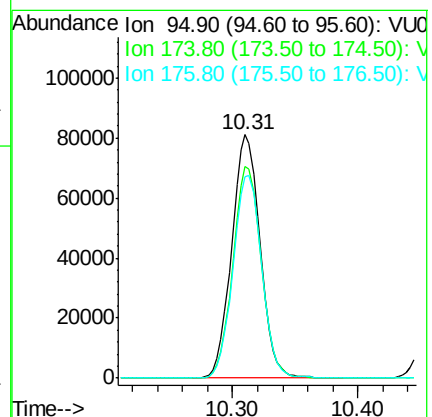
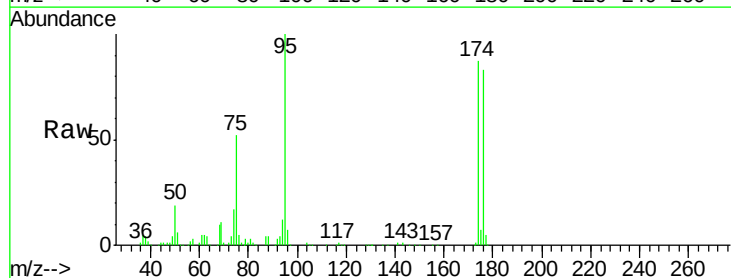
Tgt Ion: 95 Resp: 127169

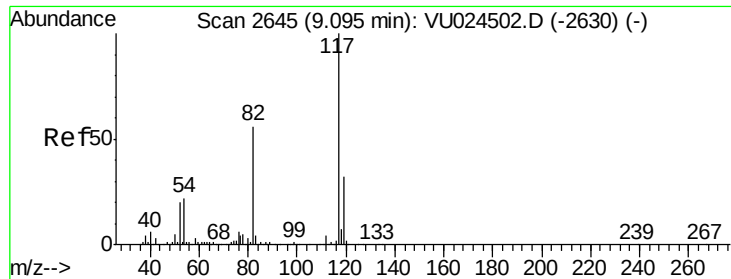
Ion Ratio Lower Upper

95 100

174 87.0 0.0 165.8

176 84.2 0.0 159.4





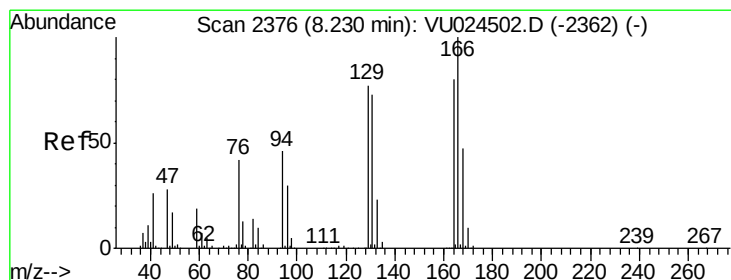
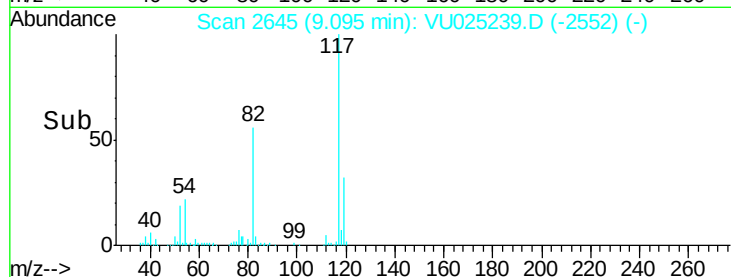
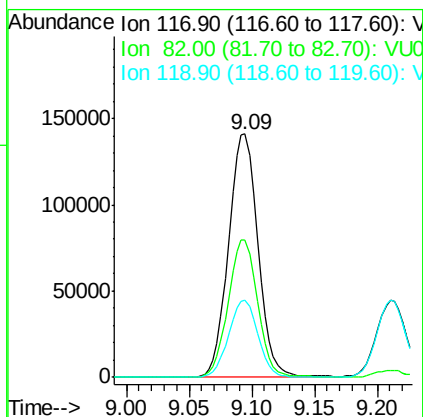
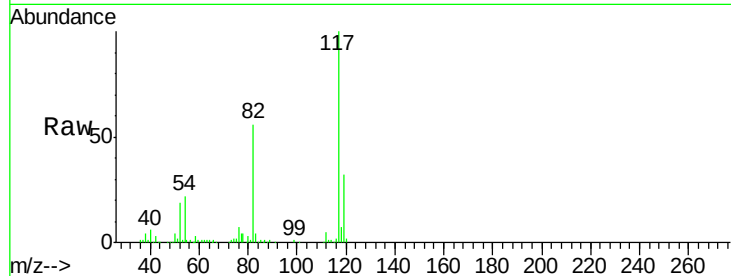
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	230373		
82	56.2	44.3	66.5	
119	31.8	25.4	38.2	

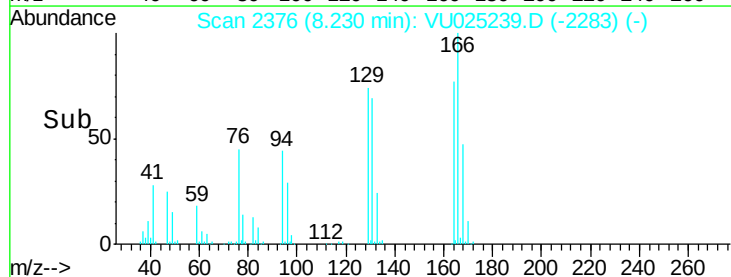
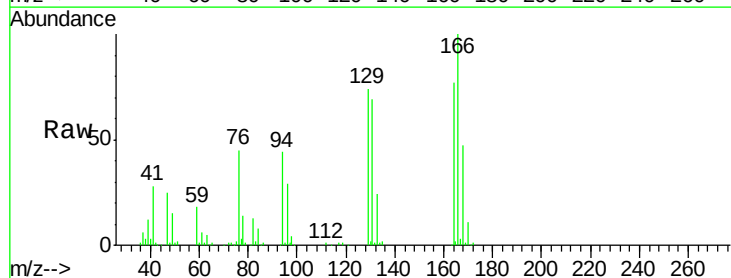
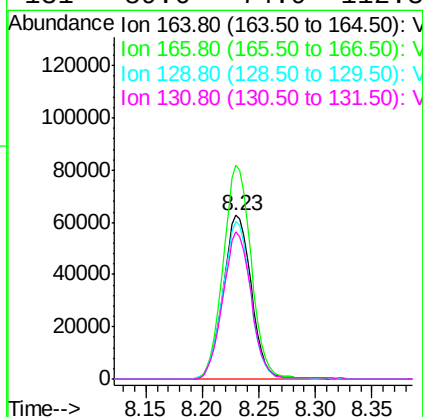
Manual Integrations
APPROVED

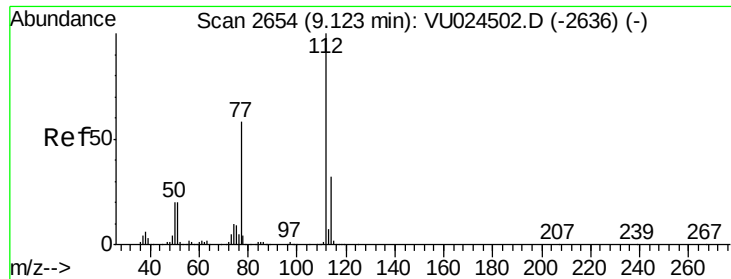
MMDadoda
7/9/2018 12:57:57 PM



#64
Tetrachloroethene
Concen: 50.042 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109582		
166	130.5	101.7	152.5	
129	96.1	76.9	115.3	
131	89.6	74.9	112.3	





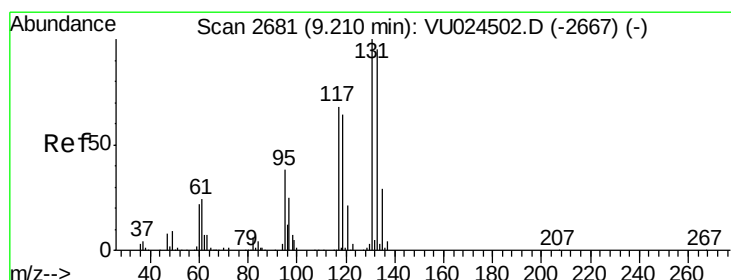
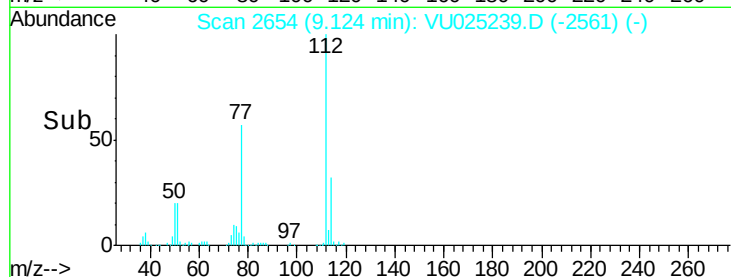
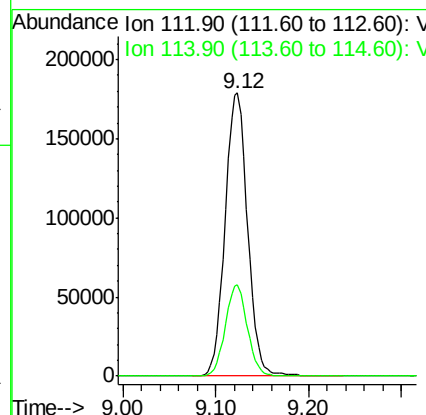
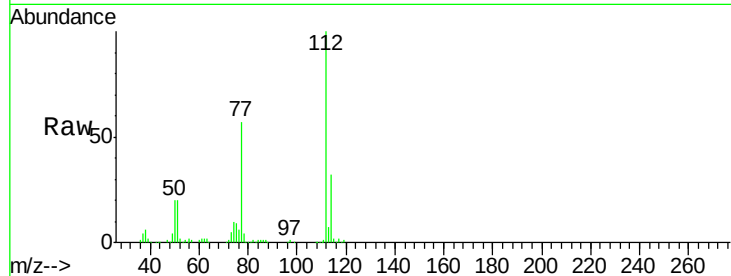
#65
Chlorobenzene
Concen: 51.163 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

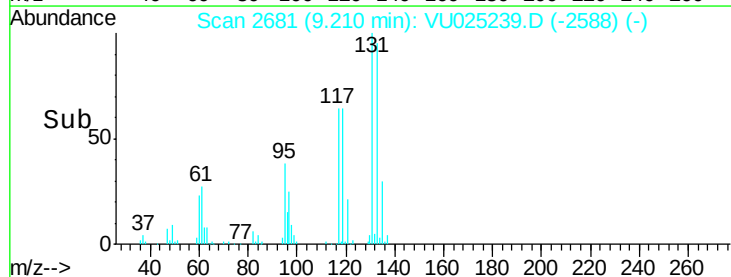
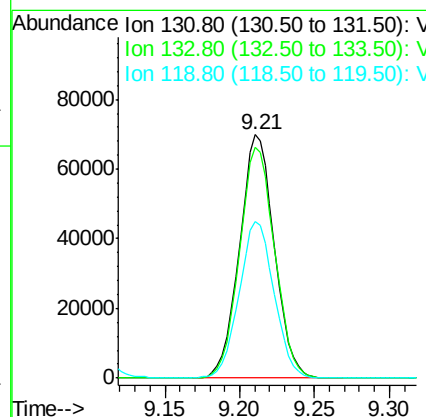
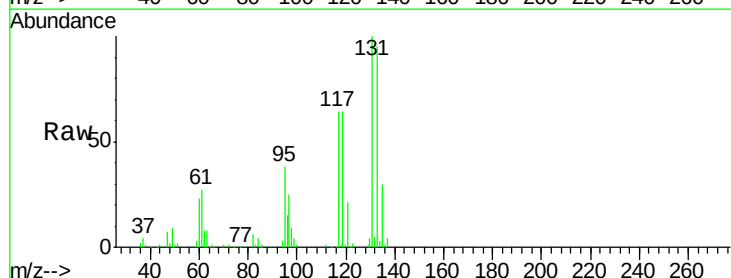
Manual Integrations
APPROVED

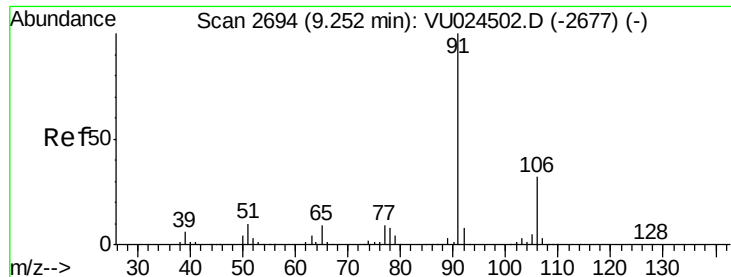
MMDadoda
7/9/2018 12:57:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.453 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	46.9	140.8
119	64.8	33.5	100.4





#67

Ethyl Benzene

Concen: 50.243 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 518365

Ion Ratio Lower Upper

91 100

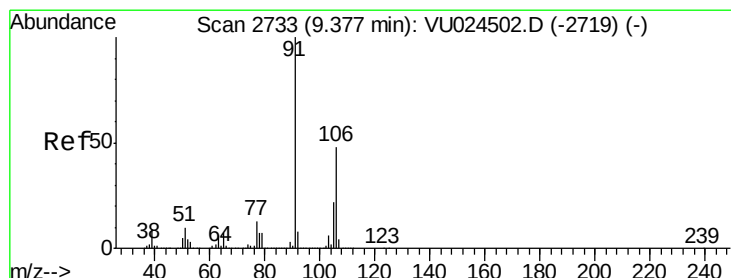
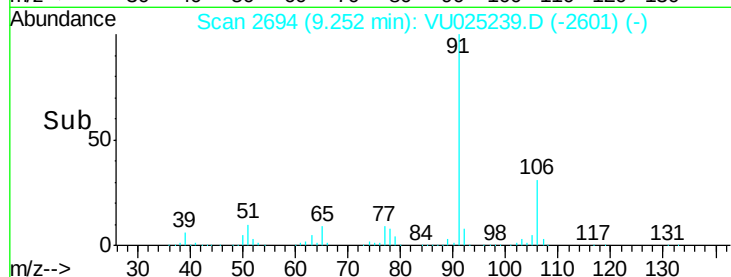
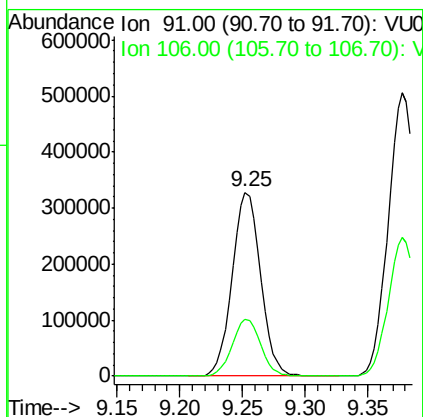
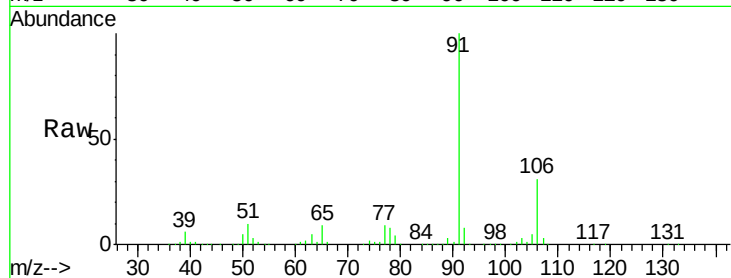
106 30.8 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#68

m/p-Xylenes

Concen: 101.679 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025239.D

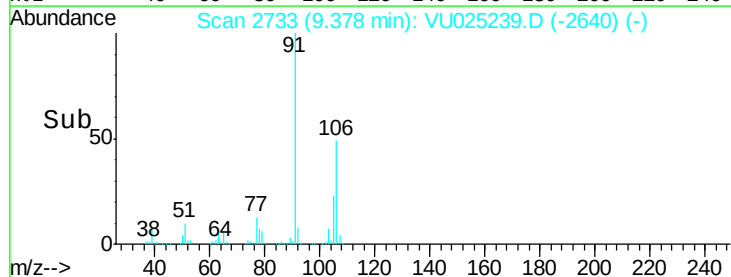
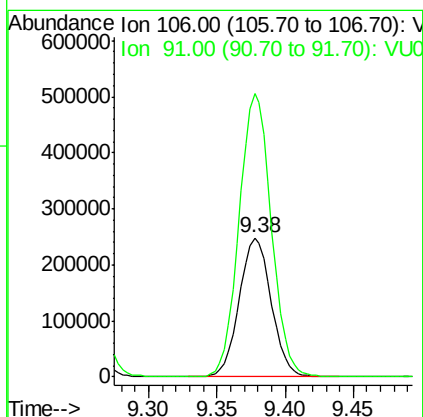
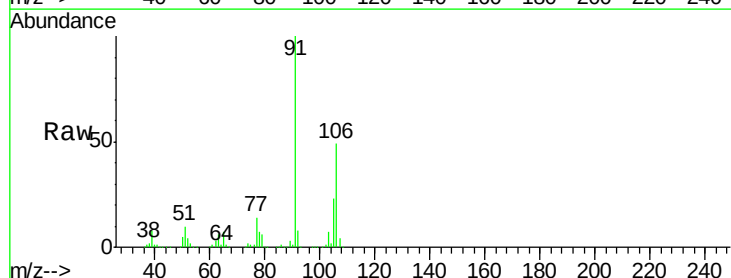
Acq: 06 Jul 2018 14:19

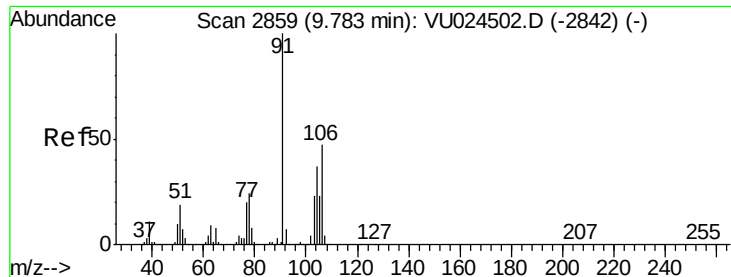
Tgt Ion: 106 Resp: 402831

Ion Ratio Lower Upper

106 100

91 205.5 166.5 249.7





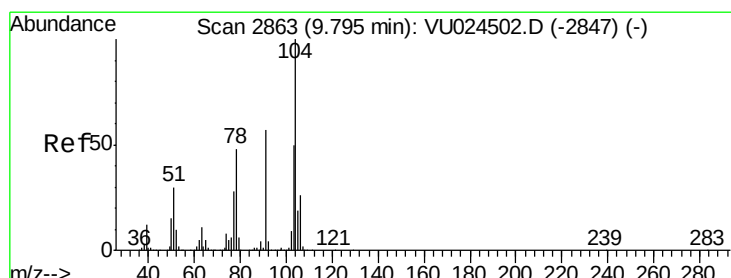
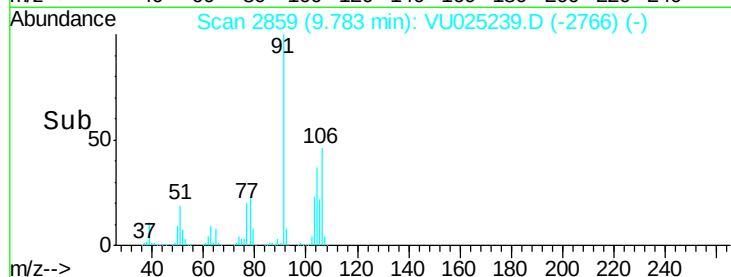
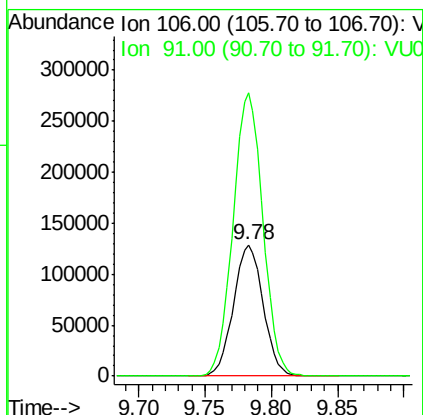
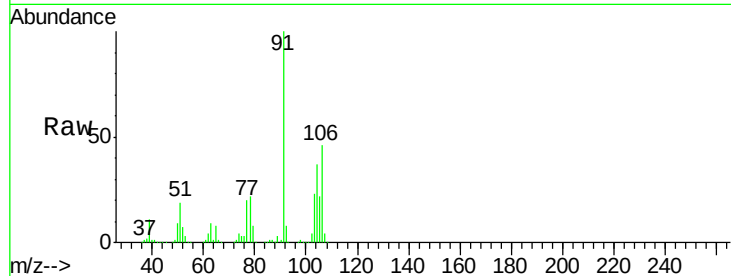
#69
o-Xylene
Concen: 51.080 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
200277	106	100		
	91	216.8	110.7	331.9

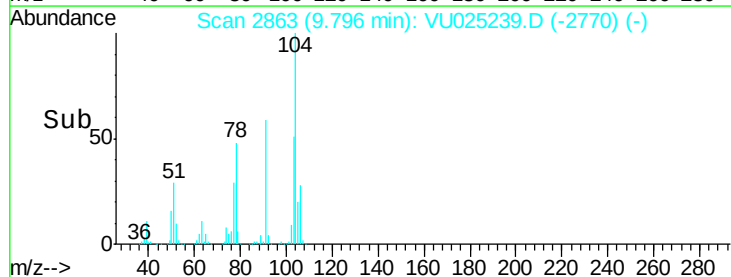
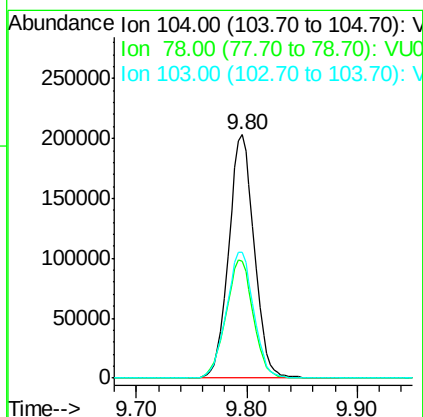
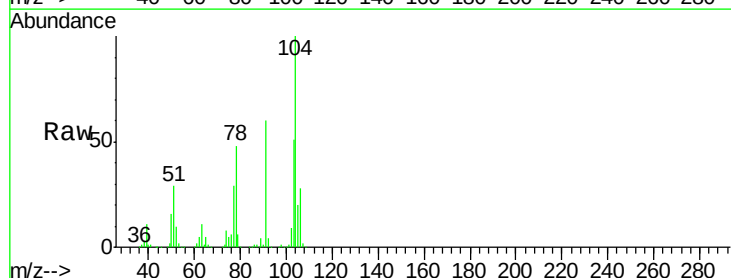
Manual Integrations
APPROVED

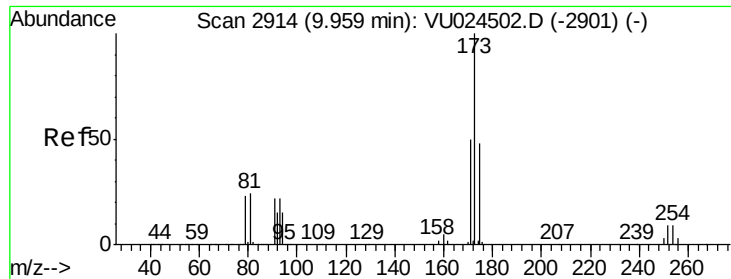
MMDadoda
7/9/2018 12:57:57 PM



#70
Styrene
Concen: 50.596 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ion	Ratio	Lower	Upper
326005	104	100		
	78	52.1	40.6	60.8
	103	55.6	44.7	67.1





#71

Bromoform

Concen: 45.357 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

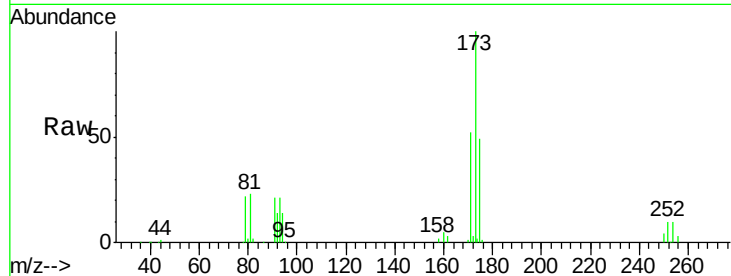
ClientSampleId :

VSTDCCC050

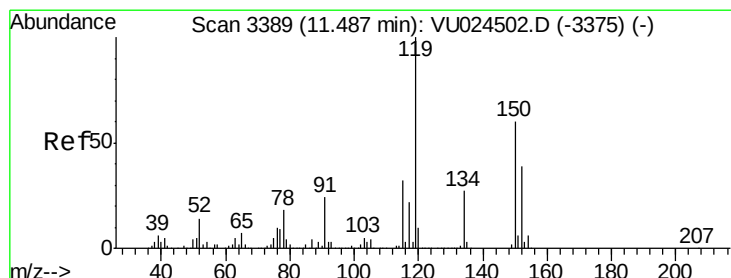
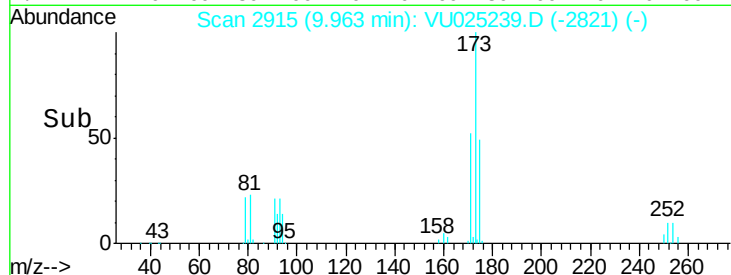
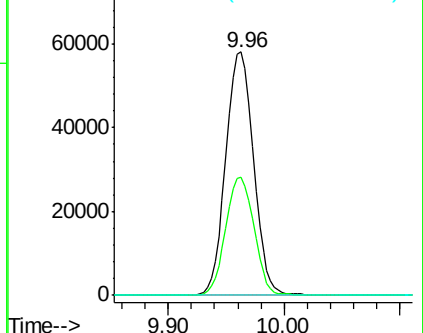
Tot Ion:	173	Resp:	96394
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 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: 50.000 ug/l

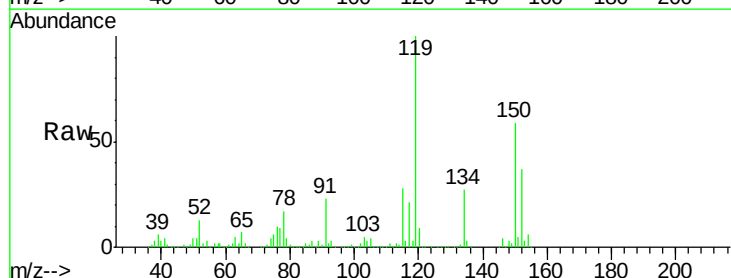
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

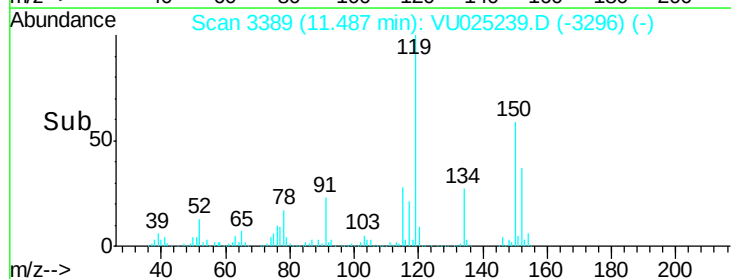
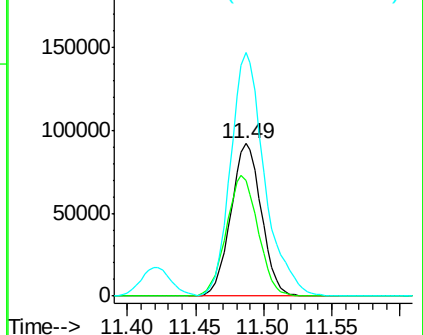
Lab File: VU025239.D

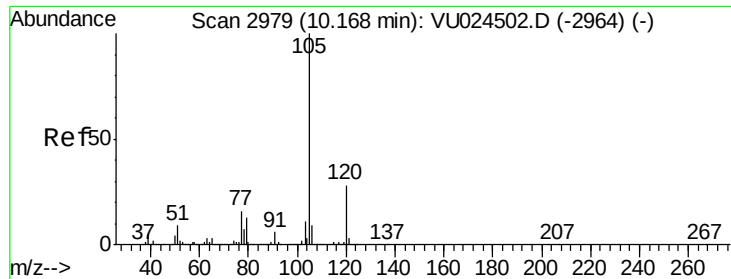
Acq: 06 Jul 2018 14:19

Tgt Ion:	152	Resp:	142789
Ion Ratio	Lower	Upper	
152	100		
115	82.3	43.0	129.0
150	176.9	0.0	354.0



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: 49.489 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 542535

Ion Ratio Lower Upper

105 100

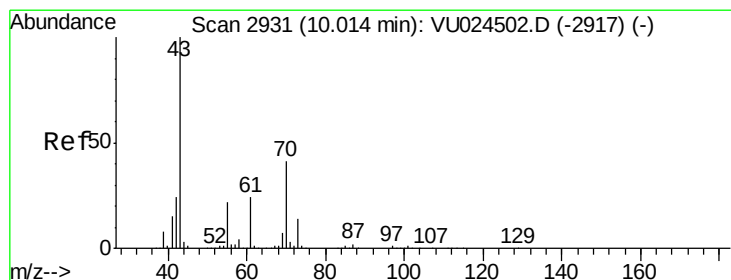
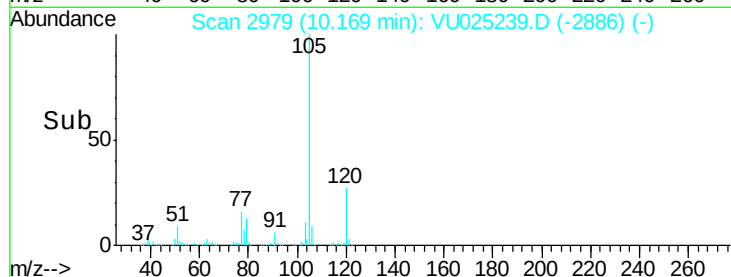
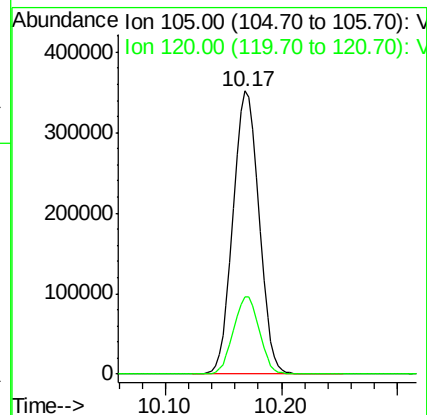
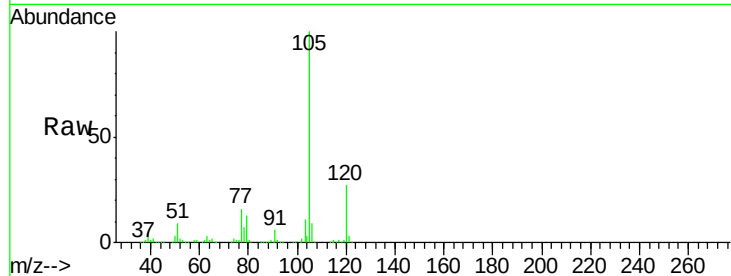
120 27.3 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#74

N-ethyl acetate

Concen: 44.841 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion: 43 Resp: 233822

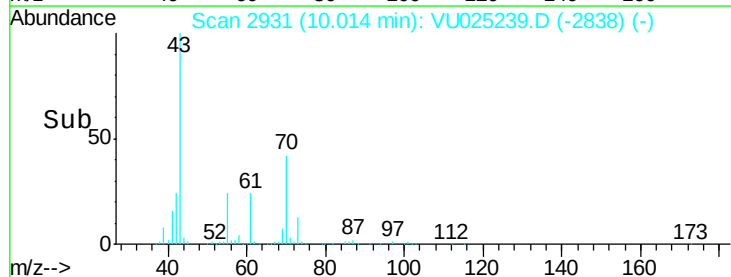
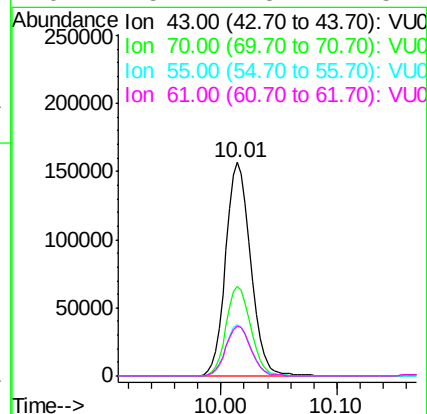
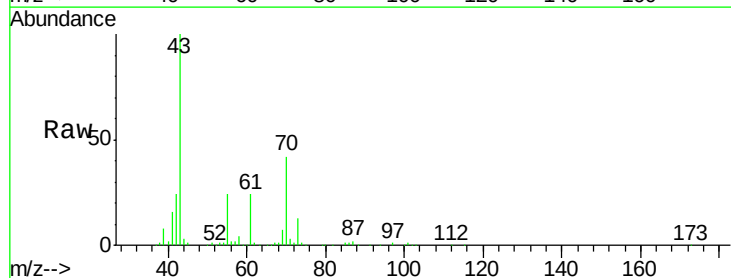
Ion Ratio Lower Upper

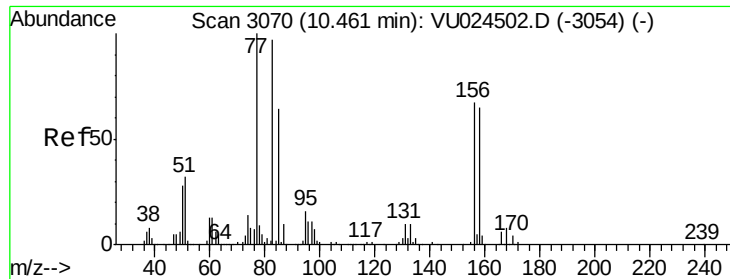
43 100

70 41.5 32.2 48.4

55 24.1 20.5 30.7

61 23.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.443 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 181636

Ion Ratio Lower Upper

83 100

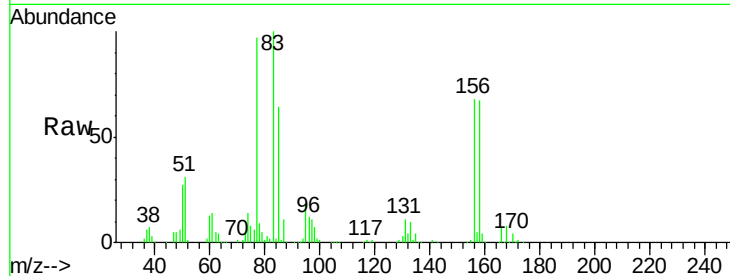
131 10.7 4.7 14.1

85 64.4 32.5 97.5

Manual Integrations
APPROVED

MMDadoda

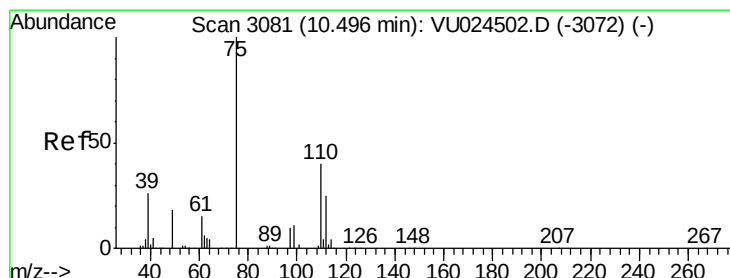
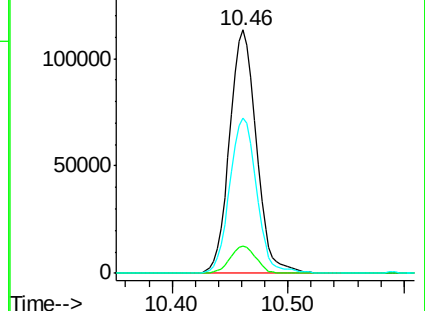
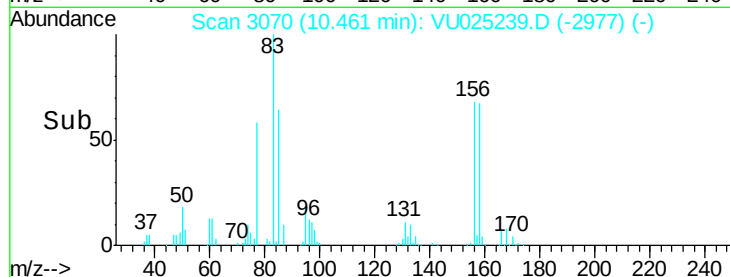
7/9/2018 12:57:57 PM



Abundance Ion 82.90 (82.60 to 83.60): VU025239.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025239.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025239.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 53.008 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025239.D

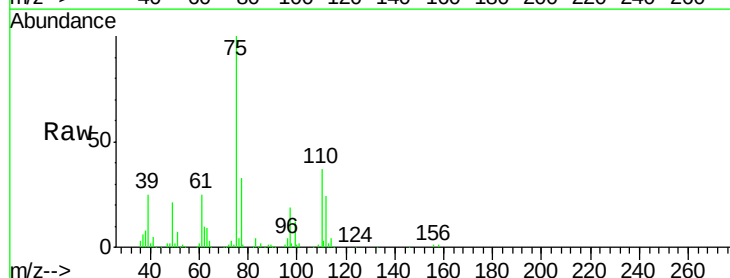
Acq: 06 Jul 2018 14:19

Tgt Ion: 75 Resp: 166640

Ion Ratio Lower Upper

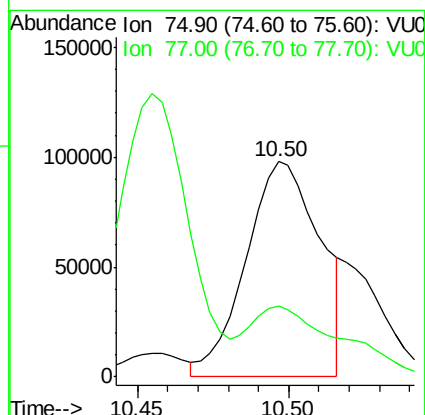
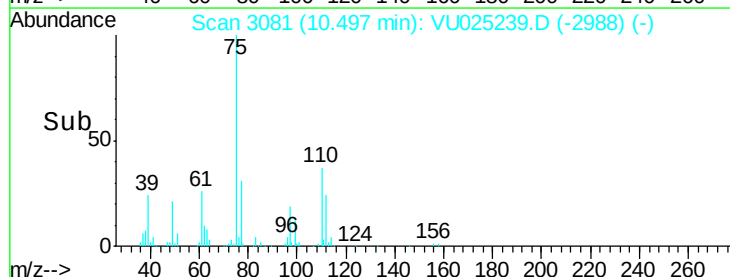
75 100

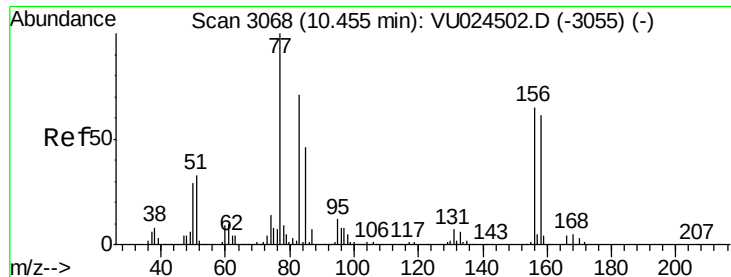
77 41.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025239.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025239.D (-2988) (-)





#77

Bromobenzene

Concen: 49.718 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

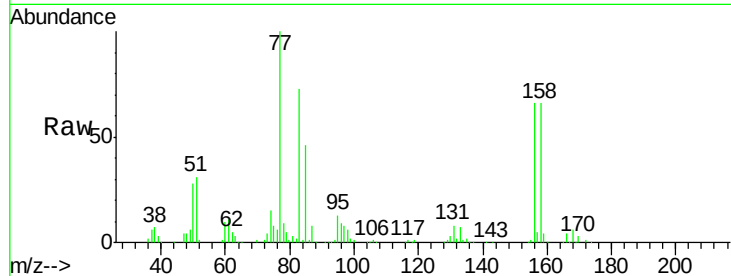
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	137985
Ion Ratio	Lower	Upper	
156	100		
77	151.3	80.5	241.3
158	98.7	48.2	144.6

Manual Integrations
APPROVED

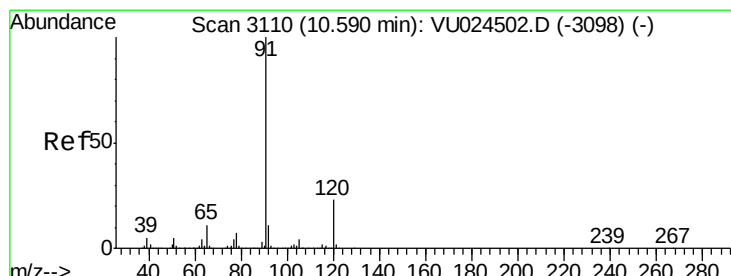
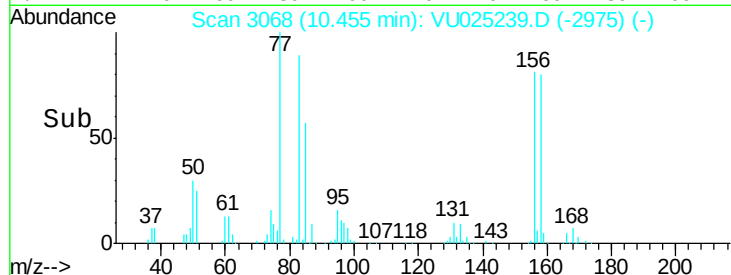
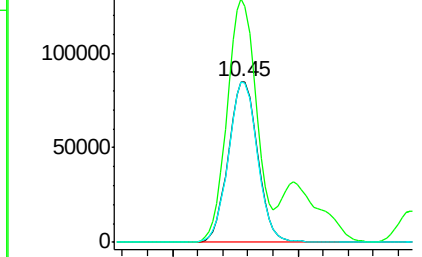
MMDadoda
7/9/2018 12:57:57 PM



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: 48.269 ug/l

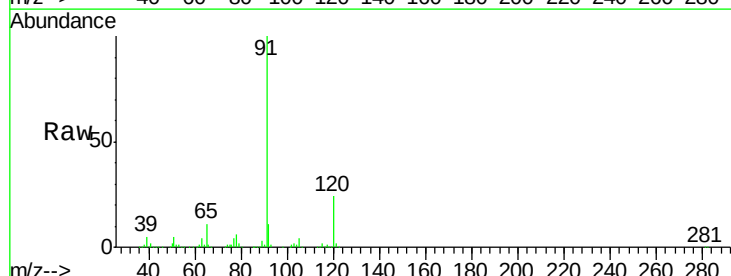
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025239.D

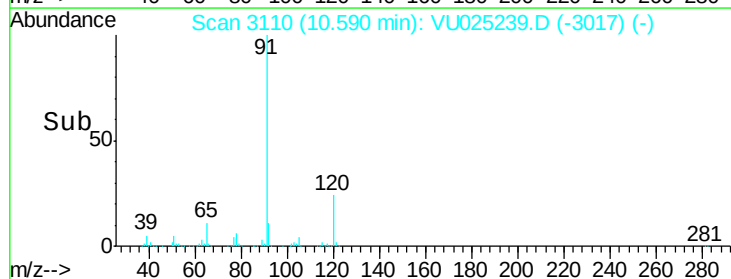
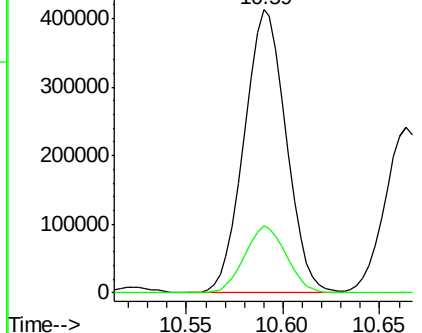
Acq: 06 Jul 2018 14:19

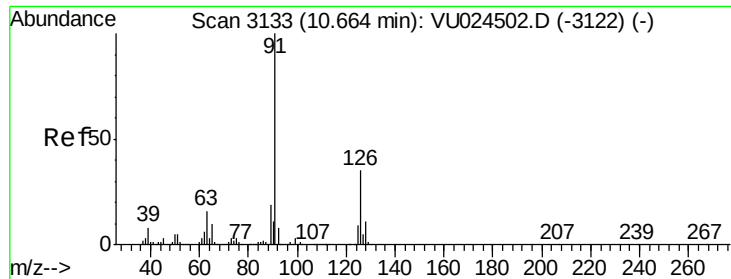
Tgt Ion:	91	Resp:	623342
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.641 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 378048

Ion Ratio Lower Upper

91 100

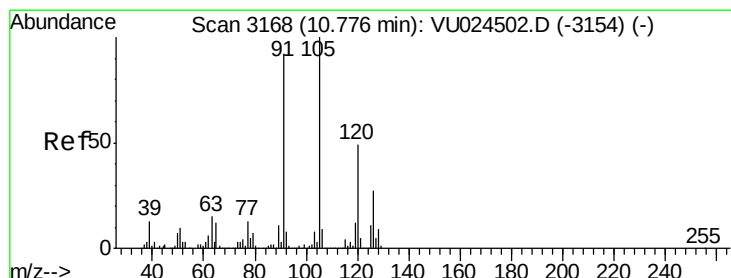
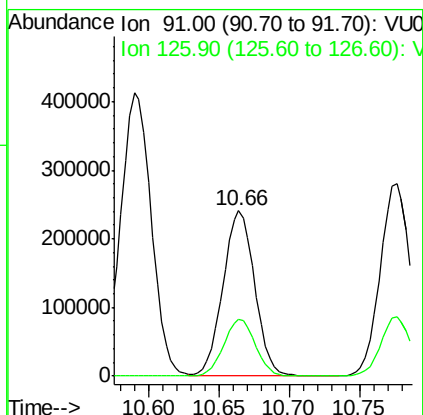
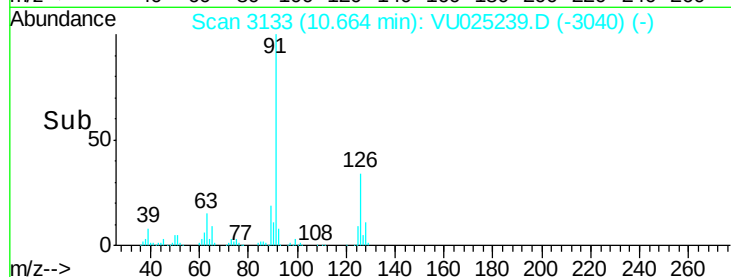
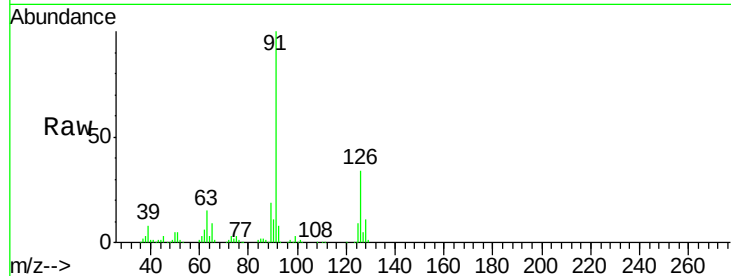
126 34.3 16.9 50.7

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.408 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025239.D

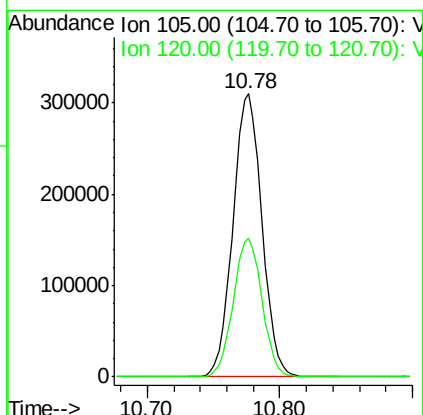
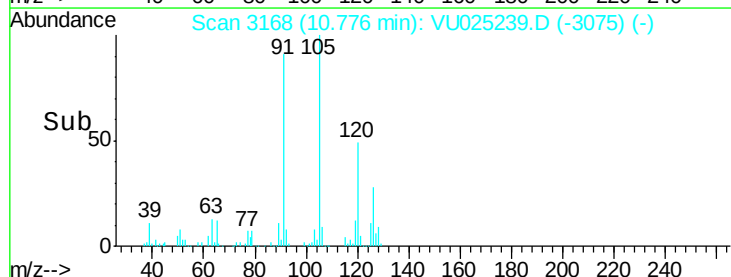
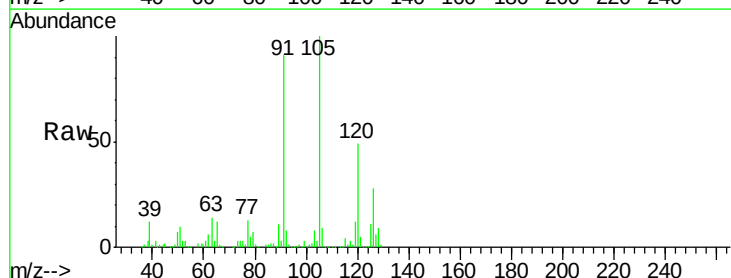
Acq: 06 Jul 2018 14:19

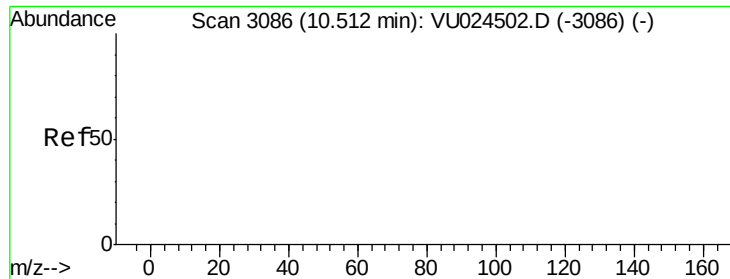
Tgt Ion: 105 Resp: 469469

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.478 ug/l m

RT: 10.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VU025239.D

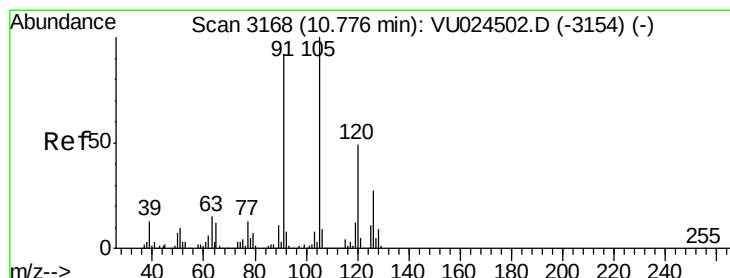
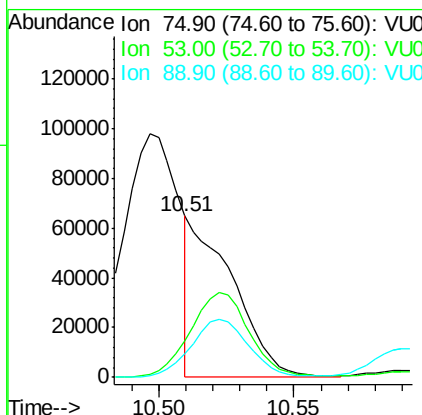
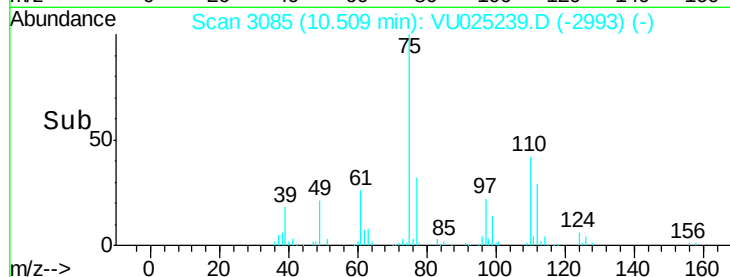
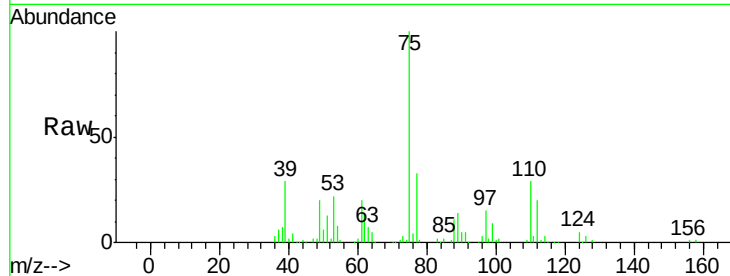
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#82

4-Chlorotoluene

Concen: 48.646 ug/l

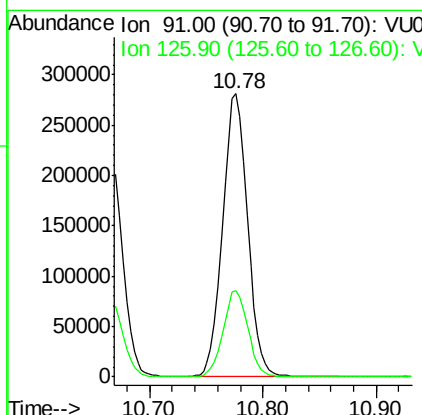
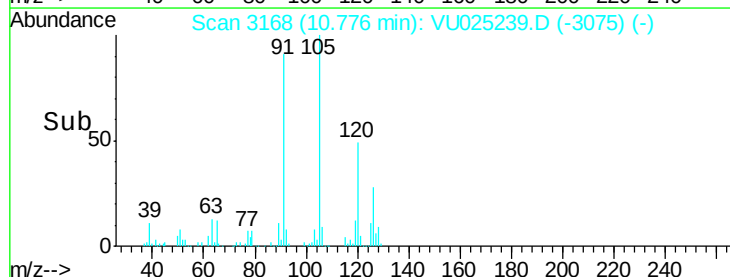
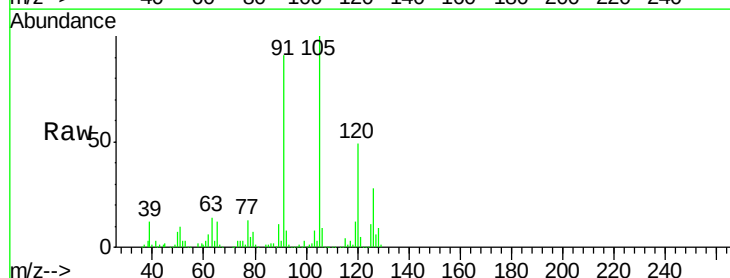
RT: 10.78 min Scan# 3168

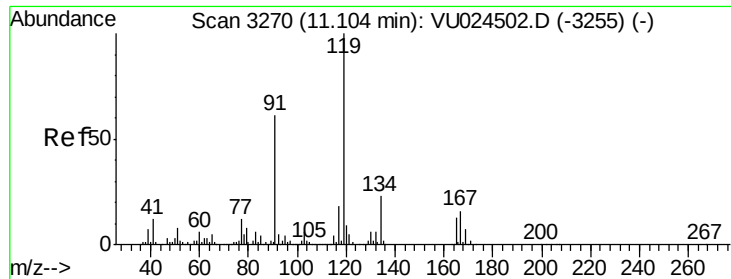
Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9





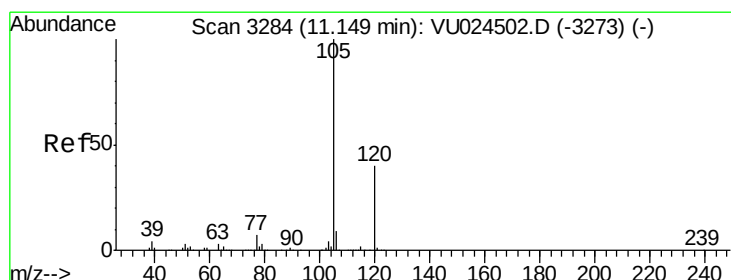
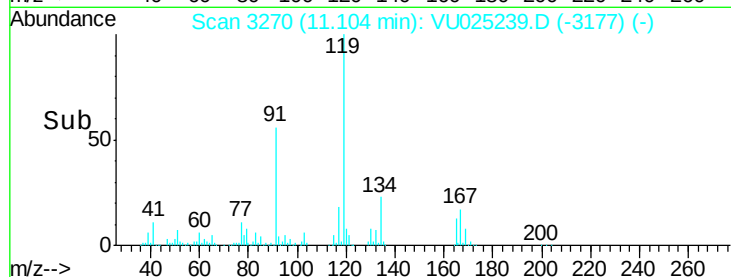
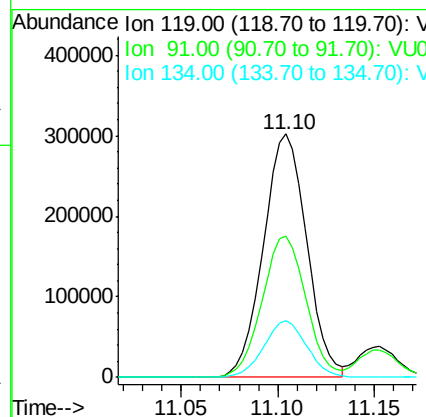
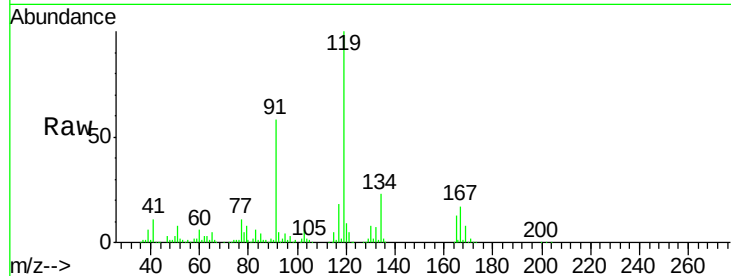
#83
 tert-Butylbenzene
 Concen: 51.474 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	470476		
91	58.7	29.7	89.1	
134	22.9	11.6	34.7	

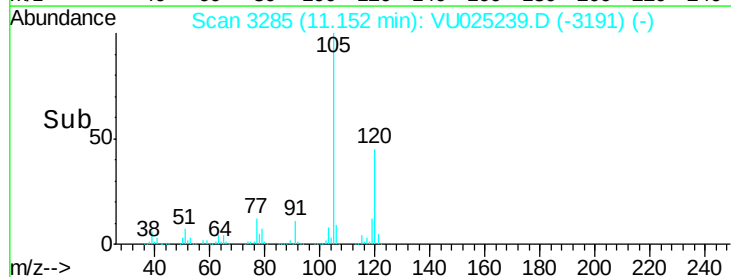
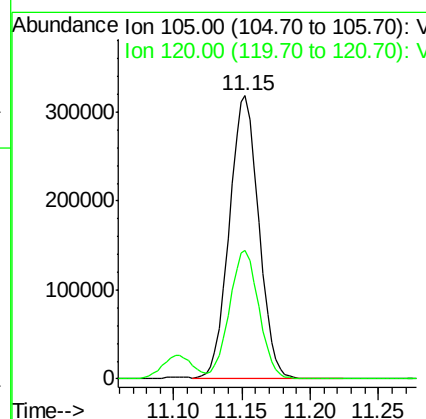
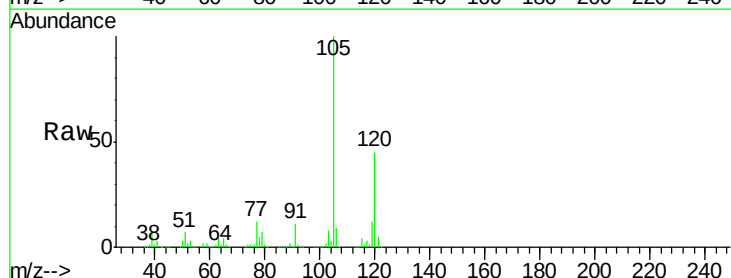
Manual Integrations
 APPROVED

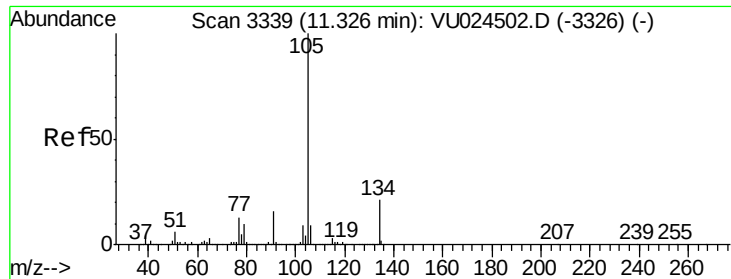
MMDadoda
 7/9/2018 12:57:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.409 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	478445		
120	45.4	22.6	67.8	





#85

sec-Butylbenzene

Concen: 49.172 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 562583

Ion Ratio Lower Upper

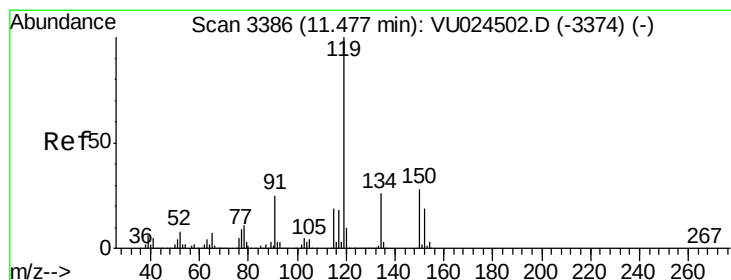
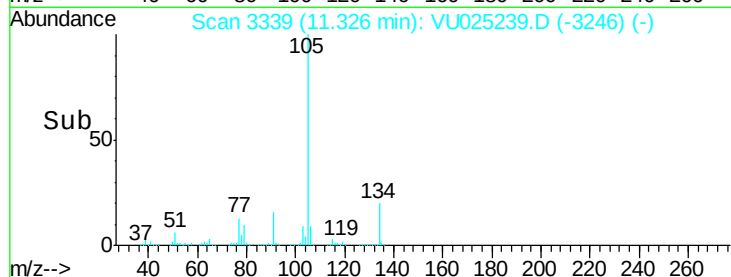
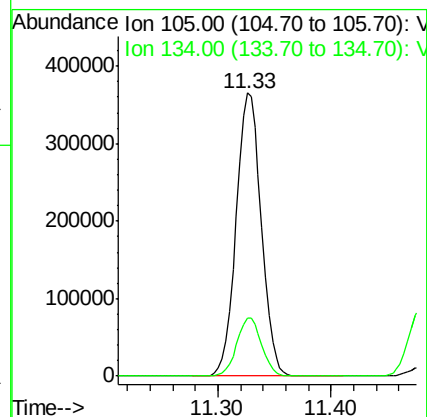
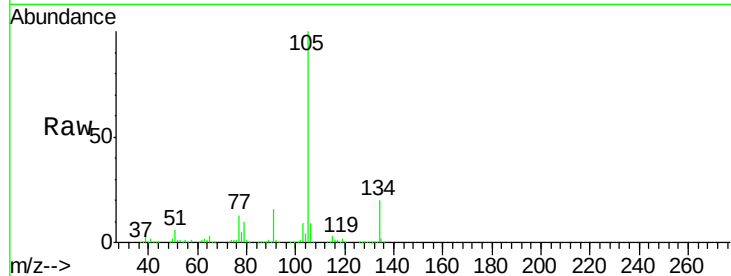
105 100

134 20.4 9.7 29.1

Manual Integrations
APPROVED

MMDadoda

7/9/2018 12:57:57 PM



#86

p-Isopropyltoluene

Concen: 48.866 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

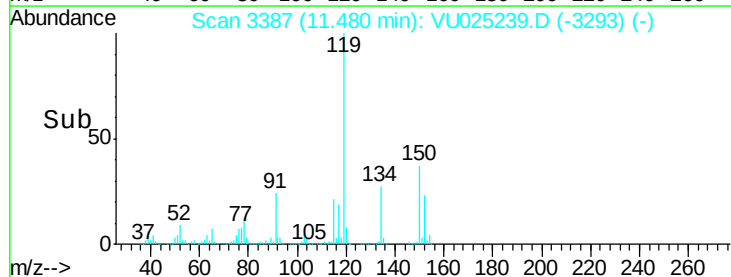
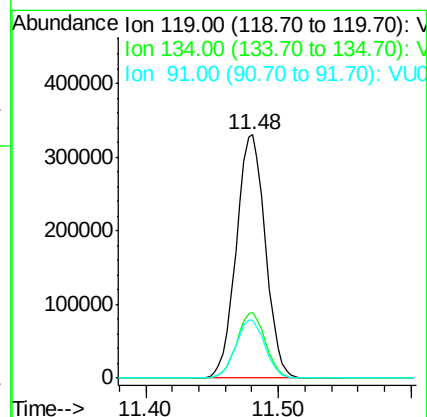
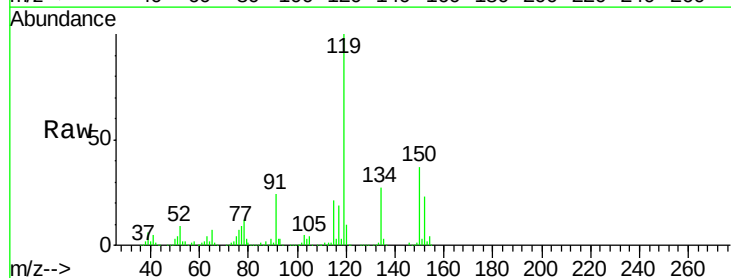
Tgt Ion:119 Resp: 500720

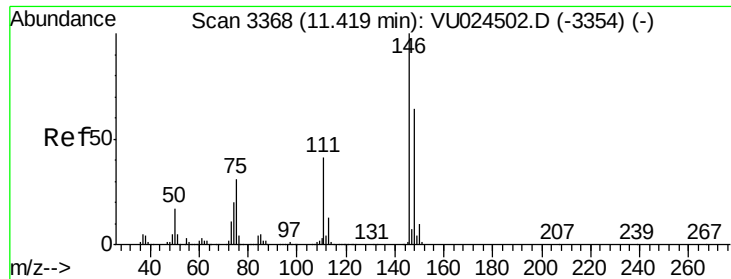
Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 24.1 12.0 36.1





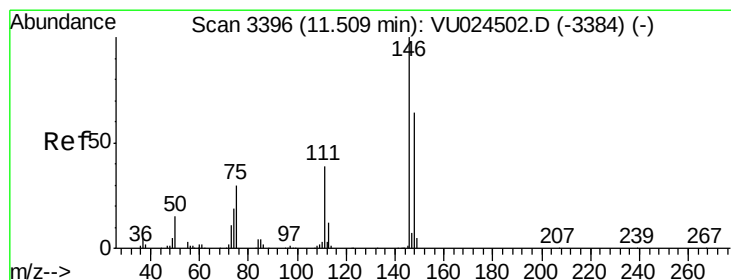
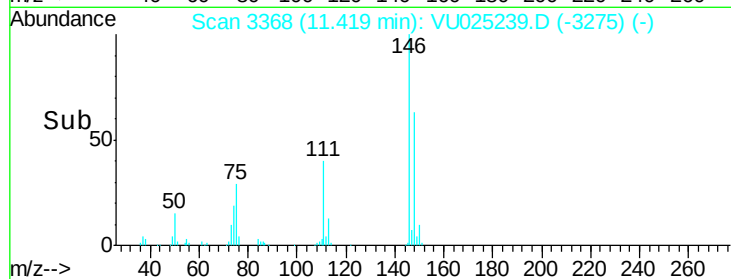
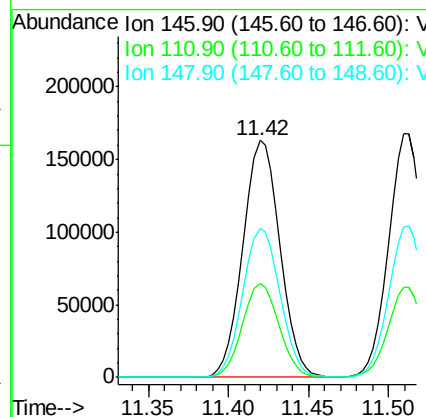
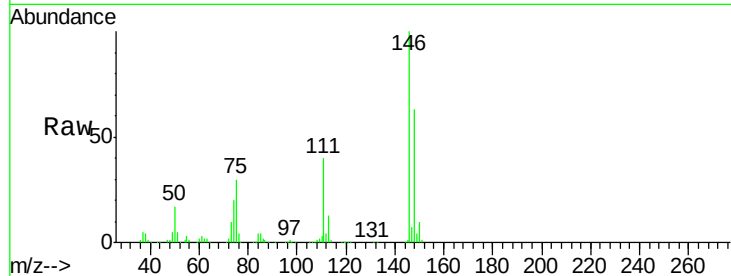
#87
 1,3-Dichlorobenzene
 Concen: 50.196 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	63.5	32.1	96.5

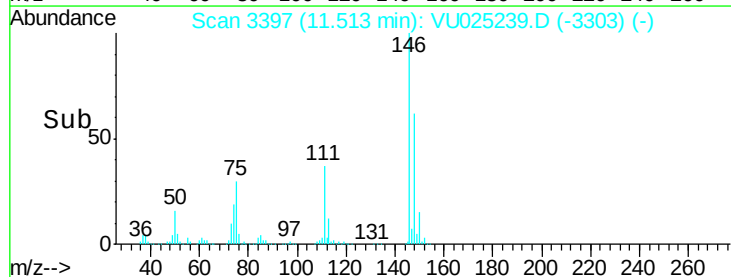
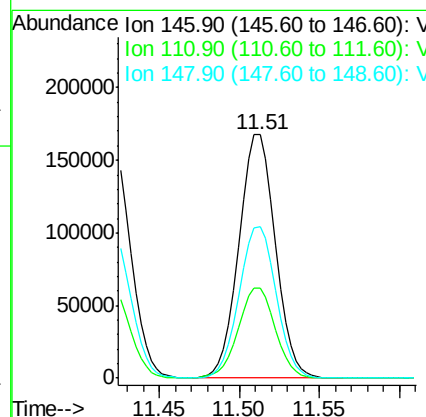
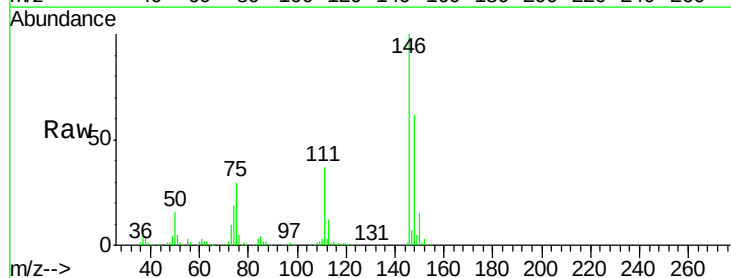
Manual Integrations
 APPROVED

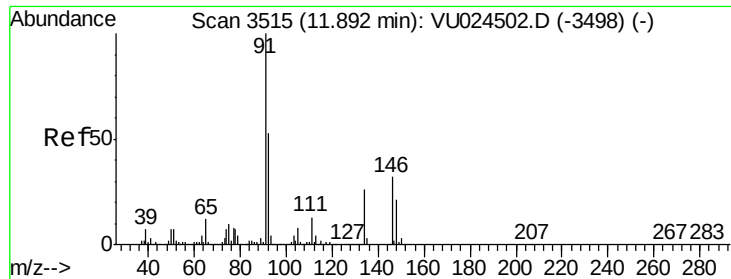
MMDadoda
 7/9/2018 12:57:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.131 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025239.D
 Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.5	58.5
148	63.4	32.4	97.0





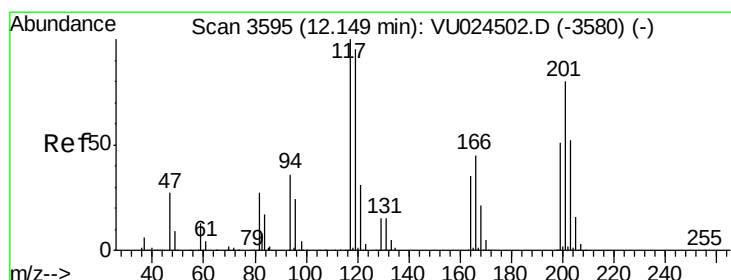
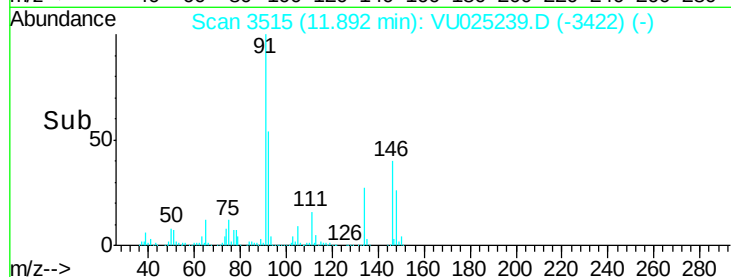
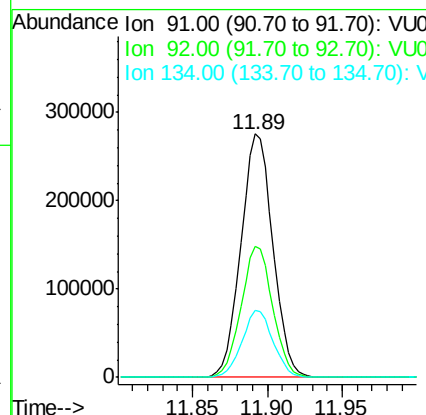
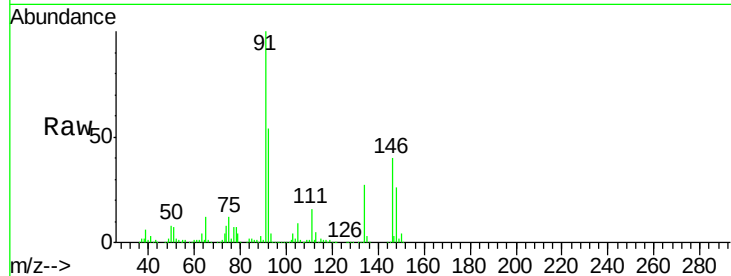
#89
n-Butylbenzene
Concen: 44.997 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	25.6	76.8	
134	26.8	12.3	36.8	

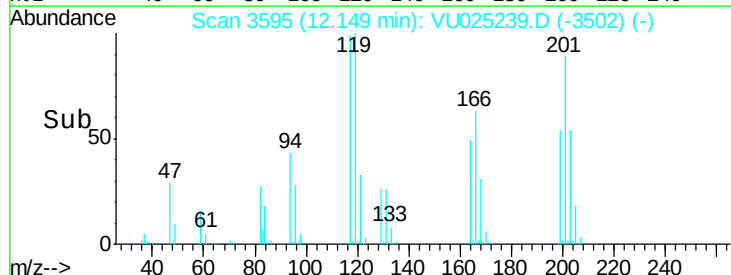
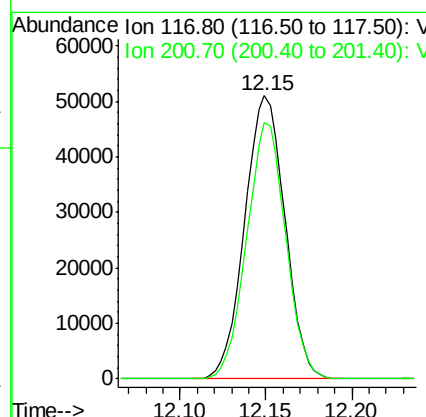
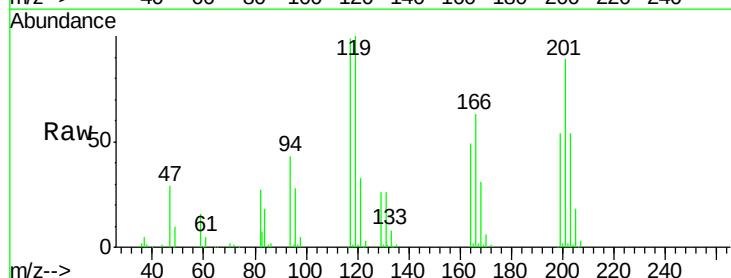
Manual Integrations
APPROVED

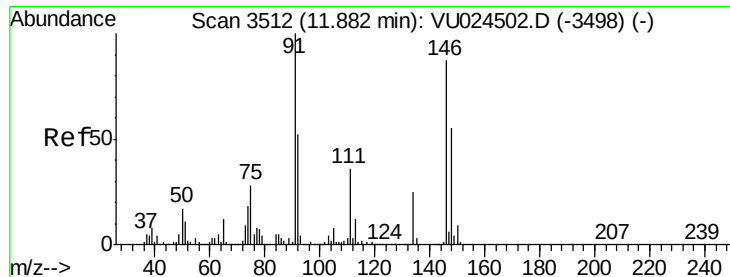
MMDadoda
7/9/2018 12:57:57 PM



#90
Hexachloroethane
Concen: 41.601 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.3	41.1	123.3	





#91

1,2-Dichlorobenzene

Concen: 51.357 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

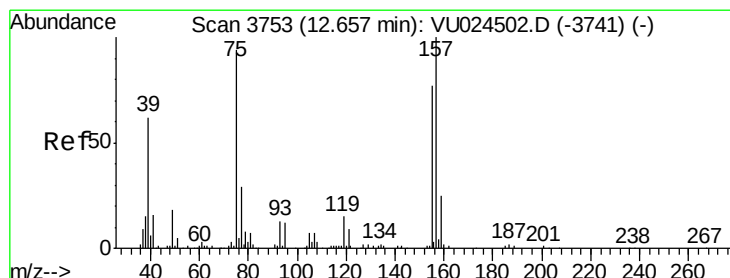
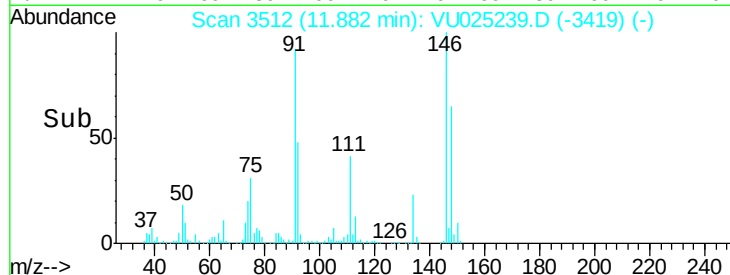
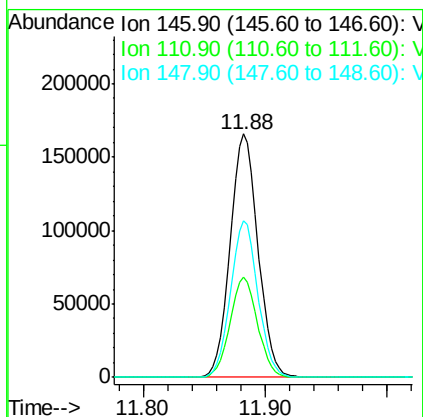
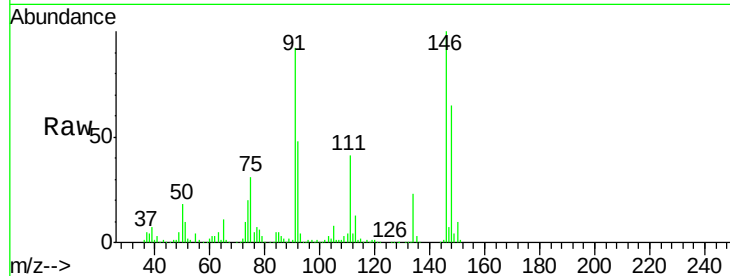
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	263762
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.5	61.6
148	63.3	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.593 ug/l

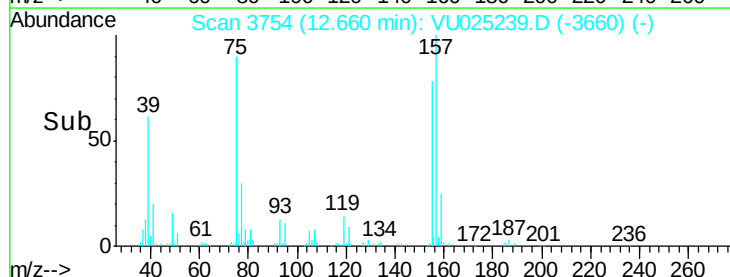
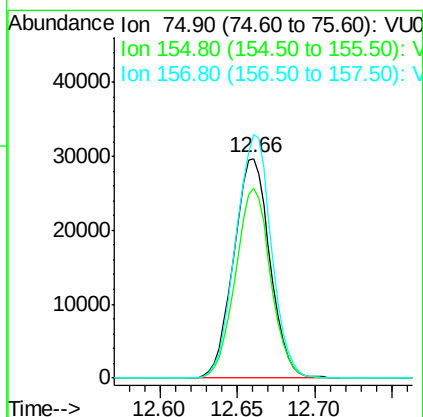
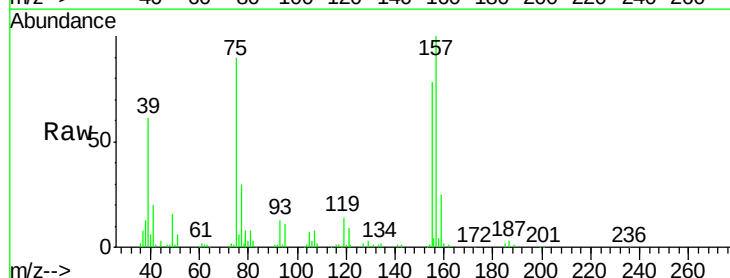
RT: 12.66 min Scan# 3754

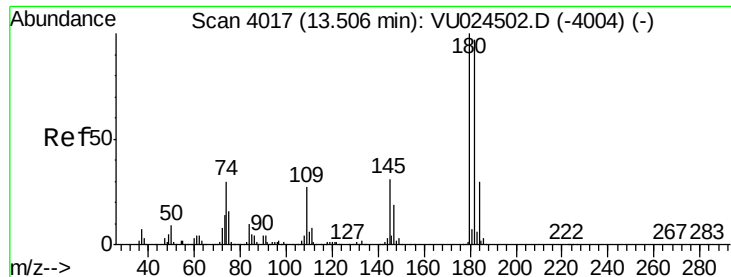
Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	75	Resp:	48243
Ion Ratio	Lower	Upper	
75	100		
155	83.9	40.4	121.2
157	109.4	52.3	156.8





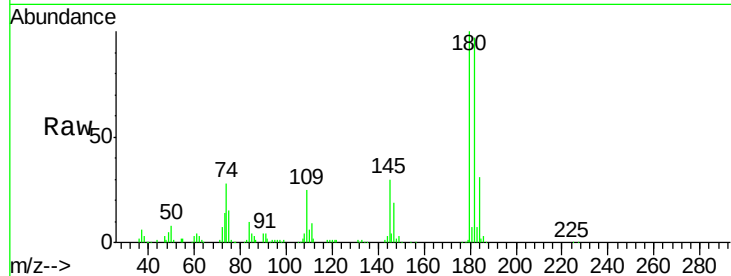
#93
1,2,4-Trichlorobenzene
Concen: 52.306 ug/l
RT: 13.51 min Scan# 4017
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

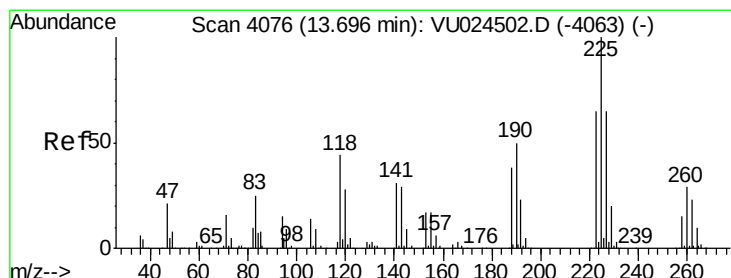
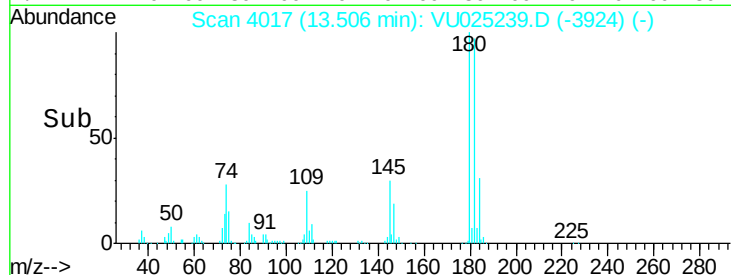
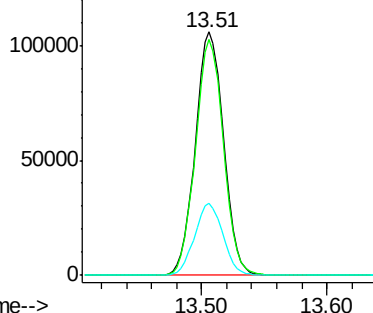
Tot Ion	Ratio	Resp	Lower	Upper
180	100	165887		
182	95.6	48.0	144.2	
145	29.4	14.7	44.1	

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM

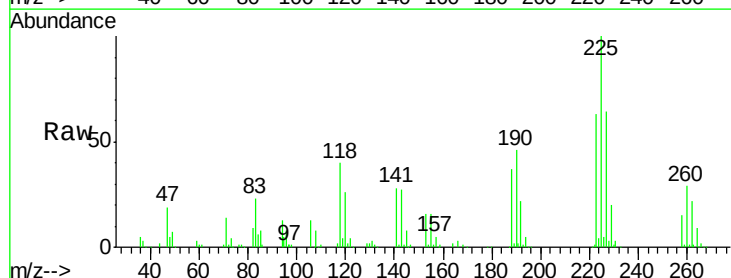


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

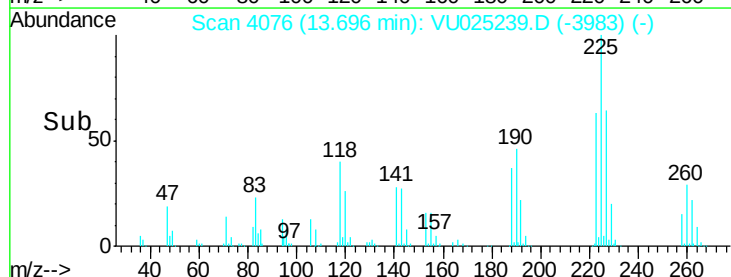
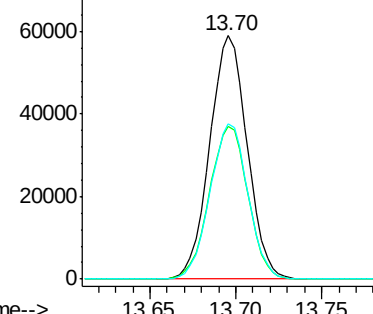


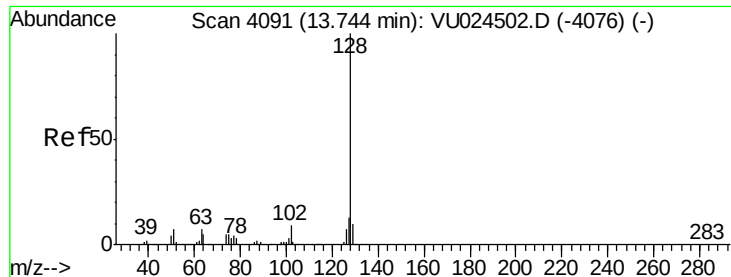
#94
Hexachlorobutadiene
Concen: 50.023 ug/l
RT: 13.70 min Scan# 4076
Delta R.T. 0.00 min
Lab File: VU025239.D
Acq: 06 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89296		
223	64.4	31.3	93.8	
227	64.6	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.152 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Instrument :

MSVOA_U

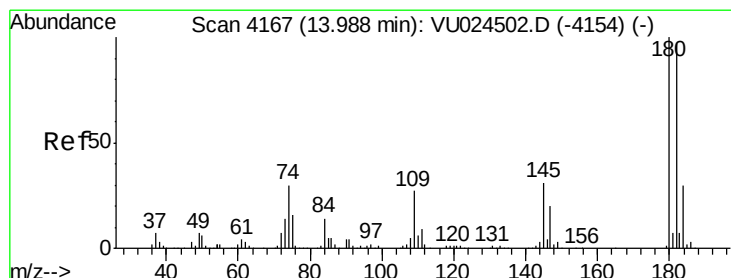
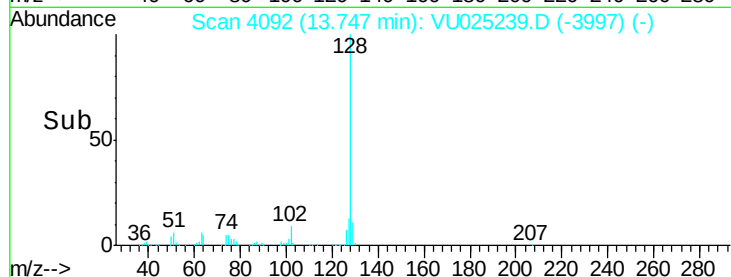
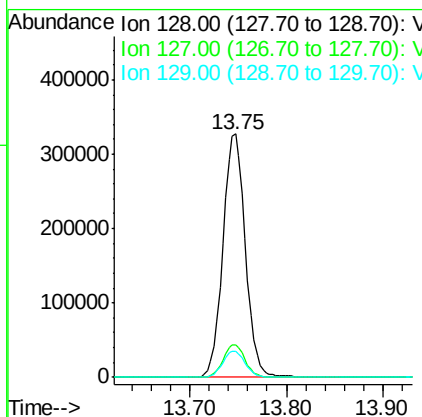
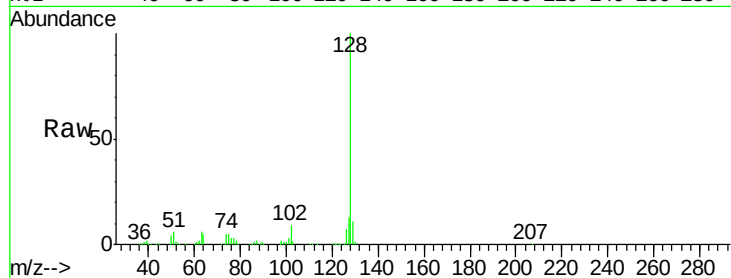
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	526582
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:57:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.797 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025239.D

Acq: 06 Jul 2018 14:19

Tgt Ion:	180	Resp:	173171
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.9	143.7
145	31.8	15.4	46.1

