

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028053.D
 Acq On : 09 Nov 2018 18:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:02:23 PM

Quant Time: Nov 12 07:29:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	375429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	689363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	633673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	297919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	318537	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
35) Dibromofluoromethane	4.88	113	238125	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	7.57	98	944186	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
62) 4-Bromofluorobenzene	10.31	95	334547	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	93764	19.655	ug/l	98
3) Chloromethane	1.33	50	144579	25.059	ug/l	99
4) Vinyl Chloride	1.40	62	140338	24.508	ug/l	99
5) Bromomethane	1.61	94	81532	36.447	ug/l	98
6) Chloroethane	1.68	64	82885	25.117	ug/l	99
7) Trichlorofluoromethane	1.88	101	158399	23.938	ug/l	96
8) Diethyl Ether	2.10	74	74411	26.263	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	101709	25.875	ug/l	98
10) Methyl Iodide	2.41	142	87331	28.196	ug/l	98
11) Tert butyl alcohol	2.84	59	187218	126.699	ug/l	99
12) 1,1-Dichloroethene	2.28	96	96365	24.491	ug/l	97
13) Acrolein	2.20	56	48629	84.982	ug/l	97
14) Allyl chloride	2.59	41	229533	23.868	ug/l	99
15) Acrylonitrile	2.94	53	466010	128.386	ug/l	99
16) Acetone	2.32	43	453206	130.868	ug/l	100
17) Carbon Disulfide	2.48	76	300262	23.347	ug/l	99
18) Methyl Acetate	2.62	43	237940	24.977	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	400101	25.215	ug/l	100
20) Methylene Chloride	2.70	84	125726	24.865	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	108727	23.944	ug/l	99
22) Diisopropyl ether	3.58	45	502839	25.327	ug/l	99
23) Vinyl Acetate	3.53	43	2144366	125.675	ug/l	100
24) 1,1-Dichloroethane	3.45	63	242283	24.500	ug/l	98
25) 2-Butanone	4.26	43	705587	128.068	ug/l	99
26) 2,2-Dichloropropane	4.23	77	179618	24.203	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	135216	26.555	ug/l	99
28) Bromochloromethane	4.55	49	125068	26.977	ug/l	99
29) Tetrahydrofuran	4.64	42	443213	120.475	ug/l	99
30) Chloroform	4.67	83	221907	24.473	ug/l	99
31) Cyclohexane	5.00	56	241090	23.963	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	182585	25.296	ug/l	99
36) 1,1-Dichloropropene	5.14	75	166238	23.025	ug/l	99
37) Ethyl Acetate	4.38	43	247627	23.408	ug/l	99
38) Carbon Tetrachloride	5.13	117	145467	22.735	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028053.D
 Acq On : 09 Nov 2018 18:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:02:23 PM

Quant Time: Nov 12 07:29:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	206215	23.681	ug/l	98
40) Benzene	5.39	78	521869	23.642	ug/l	99
41) Methacrylonitrile	4.54	41	137213	24.304	ug/l	98
42) 1,2-Dichloroethane	5.40	62	184295	23.488	ug/l	99
43) Isopropyl Acetate	5.55	43	388769	23.457	ug/l	99
44) Trichloroethene	6.19	130	113853	23.995	ug/l	99
45) 1,2-Dichloropropane	6.43	63	152035	23.882	ug/l	100
46) Dibromomethane	6.56	93	88860	24.284	ug/l	95
47) Bromodichloromethane	6.76	83	171479	24.317	ug/l	99
48) Methyl methacrylate	6.62	41	202728	24.961	ug/l	99
49) 1,4-Dioxane	6.61	88	72739	548.936	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1315182	118.821	ug/l	99
52) Toluene	7.64	92	309738	23.868	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	198796	23.343	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	215237	24.759	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	127669	24.181	ug/l	95
56) Ethyl methacrylate	8.02	69	230550	24.762	ug/l	100
57) 1,3-Dichloropropane	8.24	76	231823	24.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	627969	125.931	ug/l	100
59) 2-Hexanone	8.36	43	1050058	122.659	ug/l	99
60) Dibromochloromethane	8.48	129	125019	25.023	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133601	23.814	ug/l	97
64) Tetrachloroethene	8.23	164	149854	36.471	ug/l	99
65) Chlorobenzene	9.12	112	320807	23.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	113414	24.802	ug/l	100
67) Ethyl Benzene	9.25	91	597562	24.249	ug/l	100
68) m/p-Xylenes	9.38	106	435847	48.745	ug/l	98
69) o-Xylene	9.78	106	218301	24.178	ug/l	100
70) Styrene	9.79	104	361853	25.083	ug/l	99
71) Bromoform	9.96	173	96032	25.058	ug/l #	99
73) Isopropylbenzene	10.17	105	583651	25.289	ug/l	100
74) N-amyl acetate	10.01	43	368349	26.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	239268	25.701	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	198601m	24.371	ug/l	
77) Bromobenzene	10.45	156	135293	25.565	ug/l	98
78) n-propylbenzene	10.59	91	709840	25.695	ug/l	100
79) 2-Chlorotoluene	10.66	91	417016	25.183	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	493044	25.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	79372m	24.454	ug/l	
82) 4-Chlorotoluene	10.77	91	474706	25.251	ug/l	99
83) tert-Butylbenzene	11.10	119	477095	24.961	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	503574	26.157	ug/l	99
85) sec-Butylbenzene	11.32	105	604887	26.022	ug/l	99
86) p-Isopropyltoluene	11.48	119	505181	25.997	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	246780	25.243	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	250118	24.961	ug/l	99
89) n-Butylbenzene	11.89	91	473654	25.648	ug/l	100
90) Hexachloroethane	12.14	117	89352	25.827	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	251631	25.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52247	26.634	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
Data File : VU028053.D
Acq On : 09 Nov 2018 18:34
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

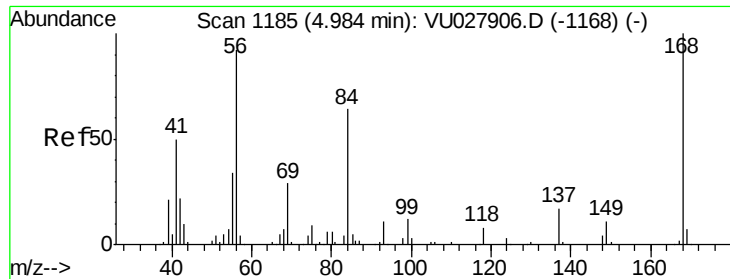
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM

Quant Time: Nov 12 07:29:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	160699	23.673	ug/l	99
94) Hexachlorobutadiene	13.69	225	78455	25.109	ug/l	98
95) Naphthalene	13.74	128	588592	23.991	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	165758	25.126	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 375429

Ion Ratio Lower Upper

168 100

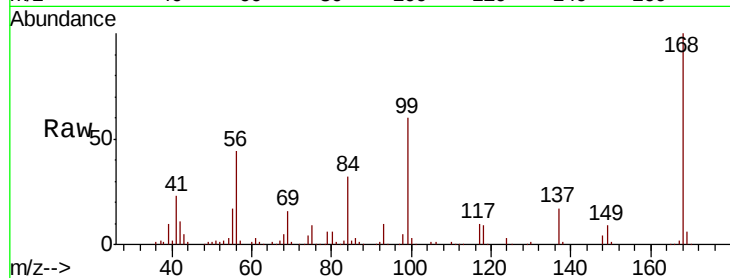
99 59.3 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028053.D (-1092) (-)

200000

150000

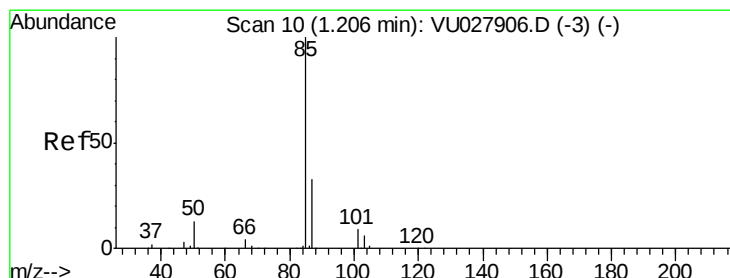
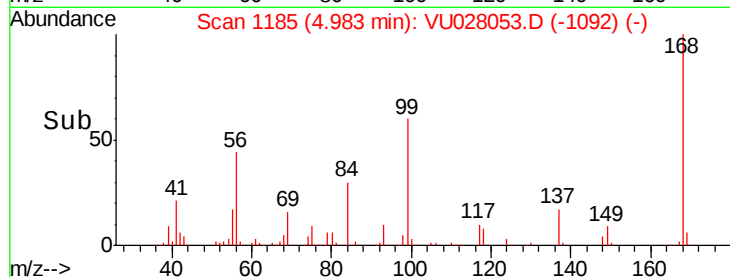
100000

50000

0

4.90 4.98 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.655 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028053.D

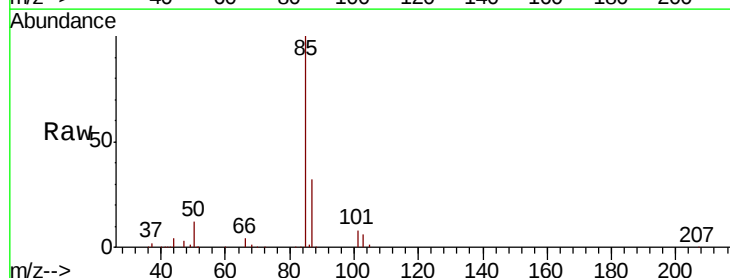
Acq: 09 Nov 2018 18:34

Tgt Ion: 85 Resp: 93764

Ion Ratio Lower Upper

85 100

87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028053.D (-1) (-)

100000

80000

60000

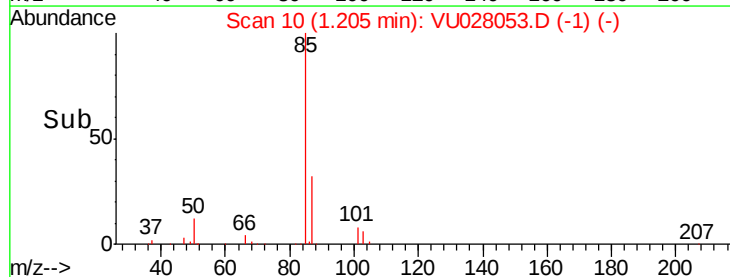
40000

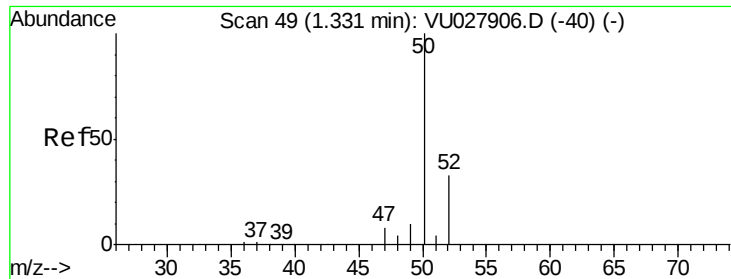
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 25.059 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 144579

Ion Ratio Lower Upper

50 100

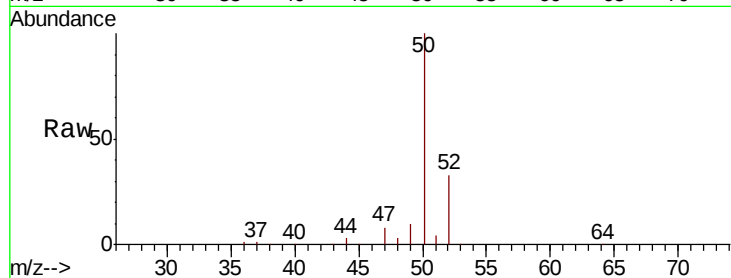
52 33.1 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

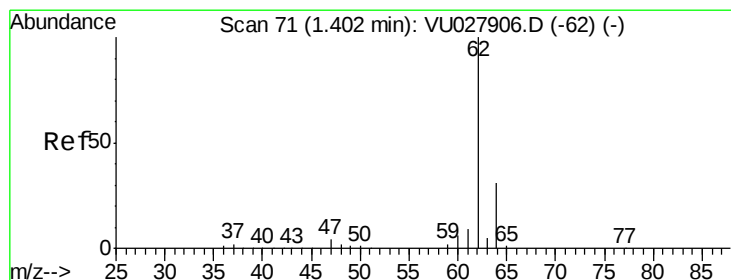
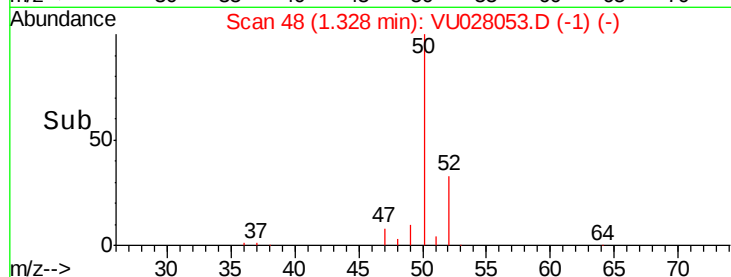
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 24.508 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028053.D

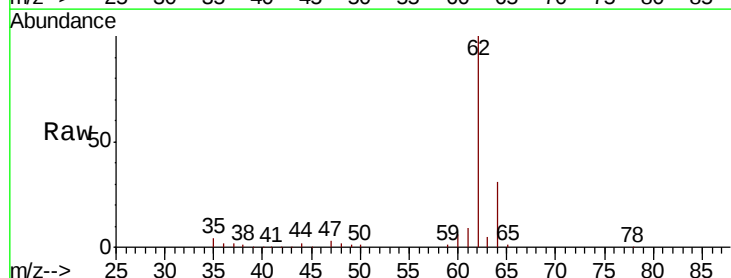
Acq: 09 Nov 2018 18:34

Tgt Ion: 62 Resp: 140338

Ion Ratio Lower Upper

62 100

64 31.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

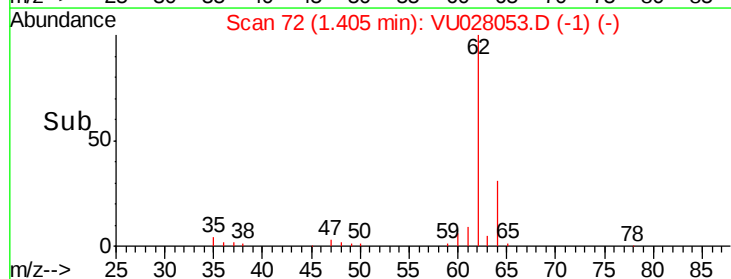
150000

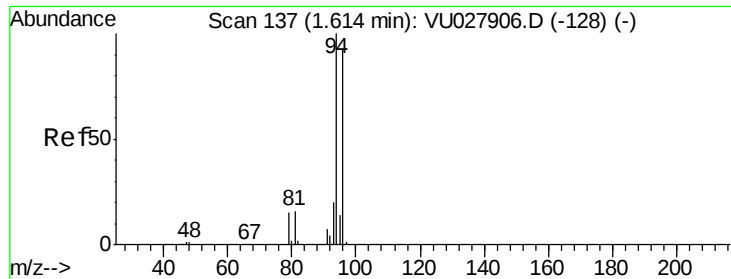
100000

50000

0

Time-->





#5

Bromomethane

Concen: 36.447 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 81532

Ion Ratio Lower Upper

94 100

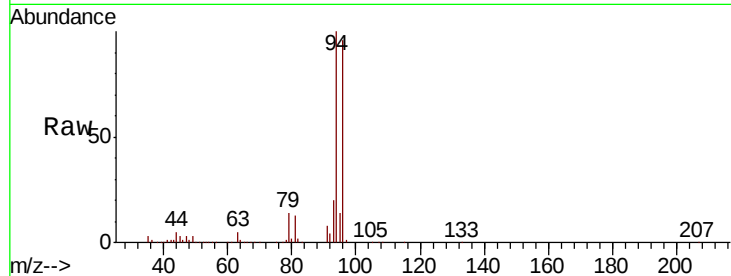
96 95.8 74.8 112.2

Manual Integrations

APPROVED

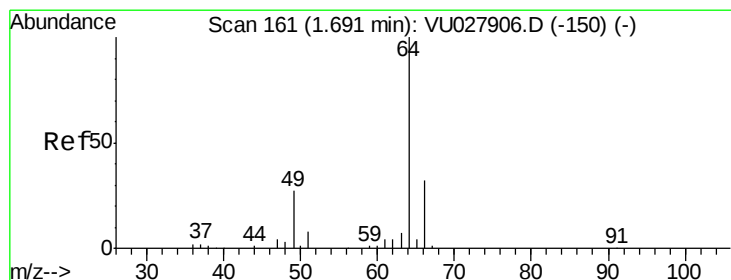
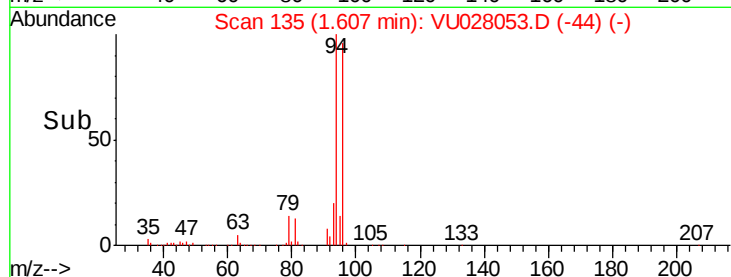
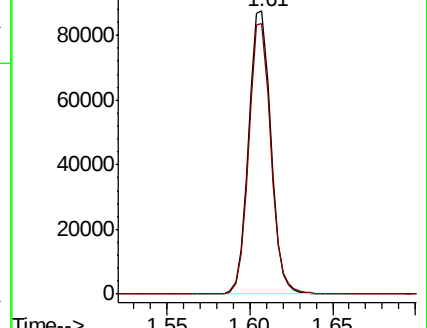
MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027906.D (-128) (-)



#6

Chloroethane

Concen: 25.117 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028053.D

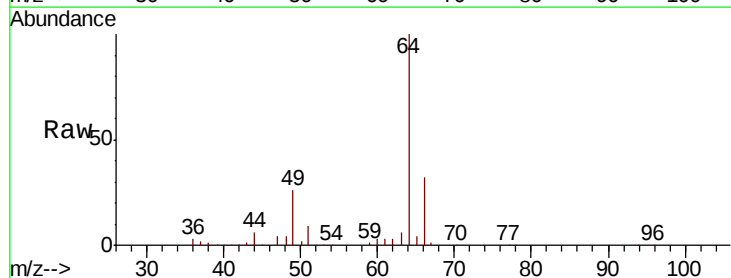
Acq: 09 Nov 2018 18:34

Tgt Ion: 64 Resp: 82885

Ion Ratio Lower Upper

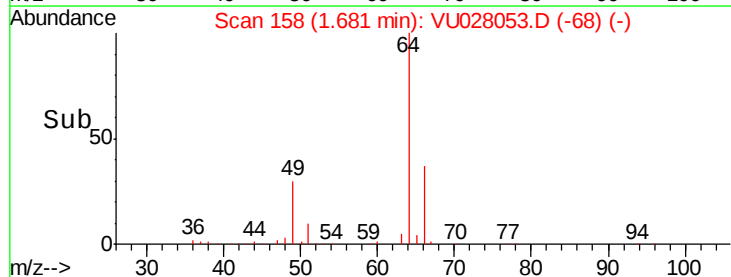
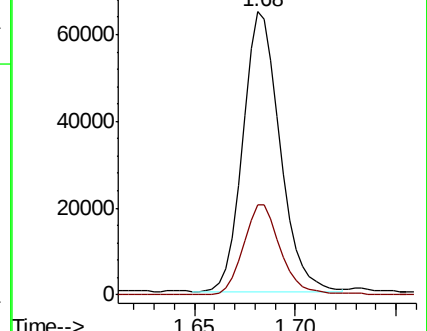
64 100

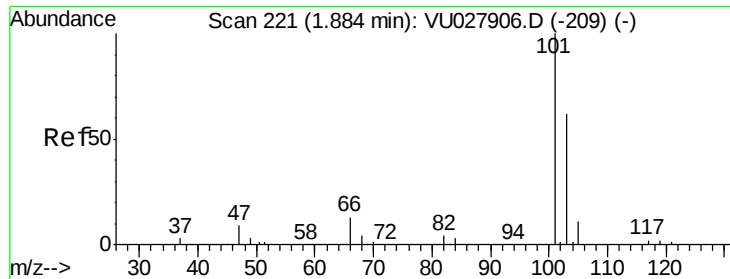
66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)





#7

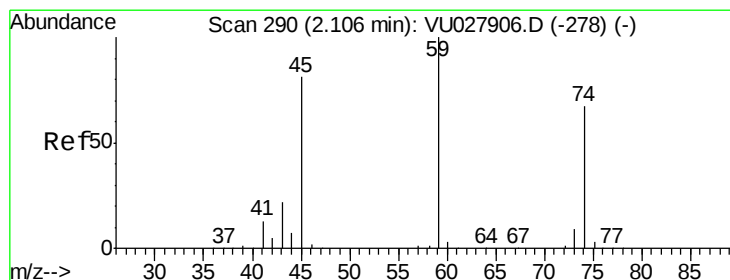
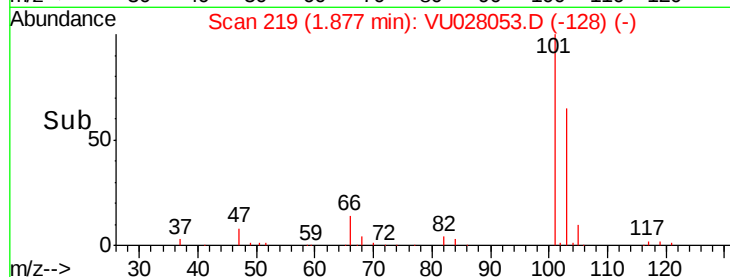
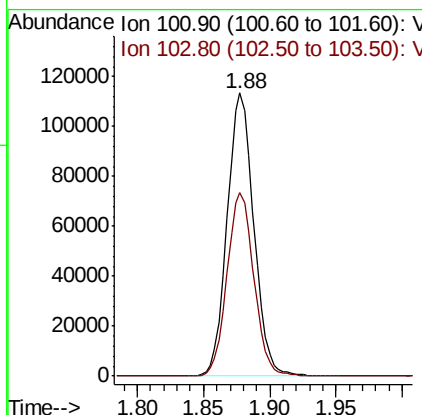
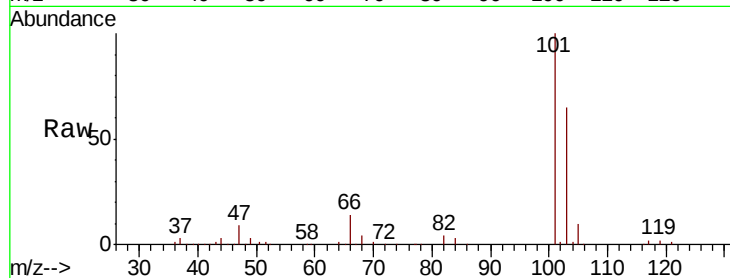
Trichlorofluoromethane
Concen: 23.938 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.4	74.2

Manual Integrations
APPROVED

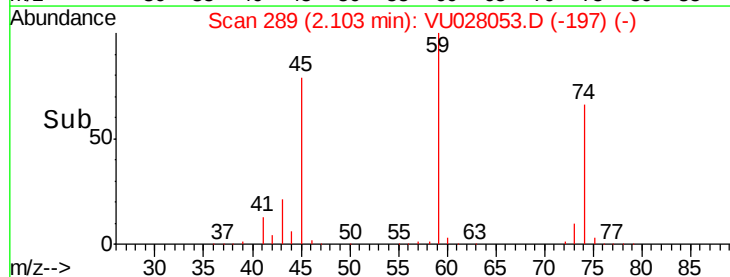
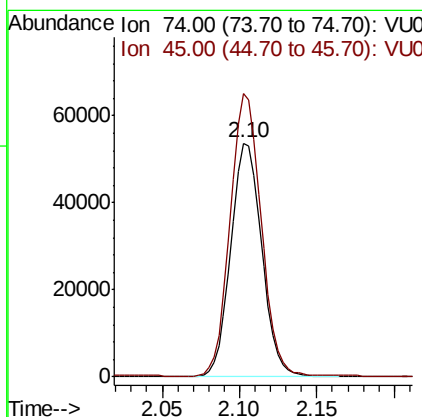
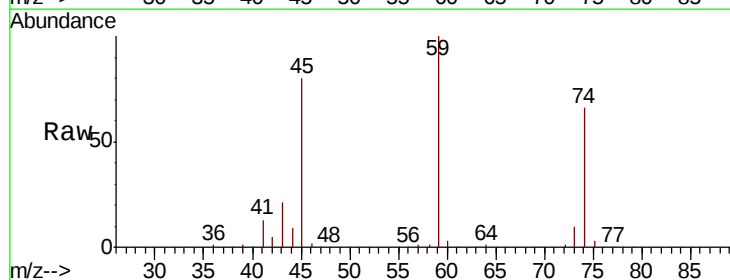
MMDadoda
11/12/2018 12:02:23 PM

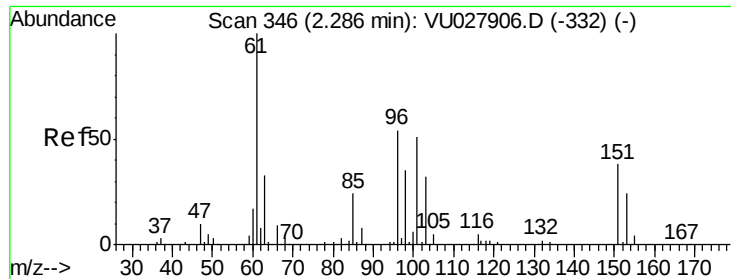


#8

Diethyl Ether
Concen: 26.263 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.8	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.875 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 101709

Ion Ratio Lower Upper

101 100

85 45.2 36.9 55.3

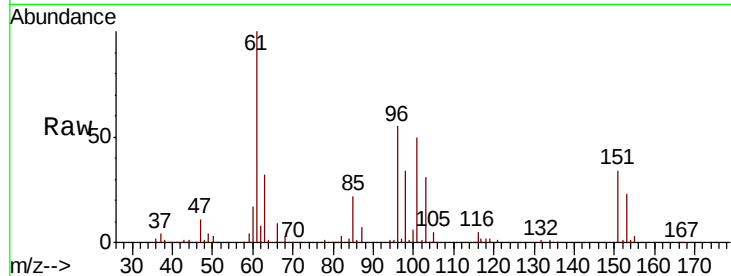
151 70.0 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

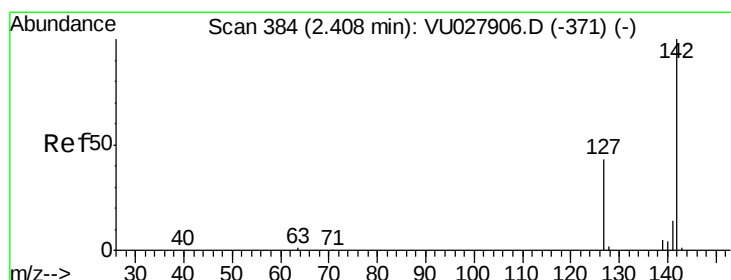
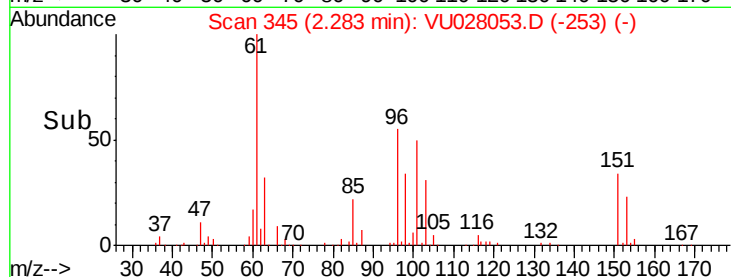
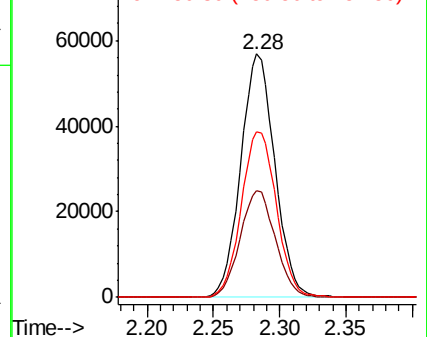
11/12/2018 12:02:23 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.196 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

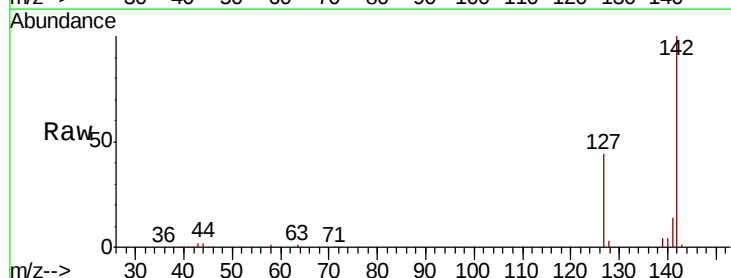
Tgt Ion:142 Resp: 87331

Ion Ratio Lower Upper

142 100

127 42.8 35.2 52.8

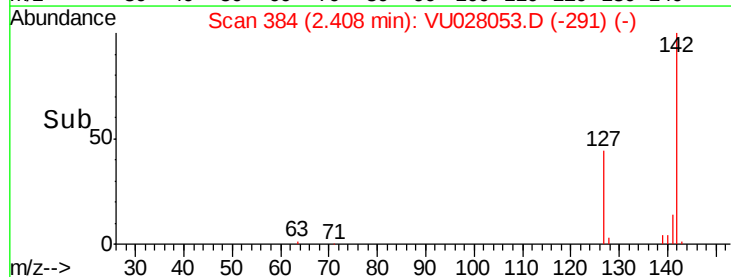
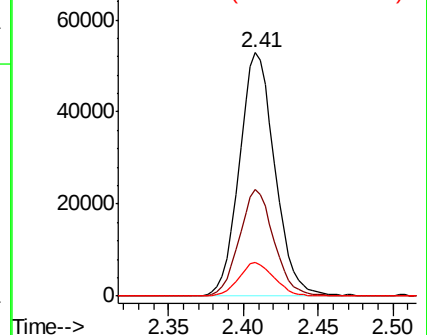
141 13.6 11.8 17.8

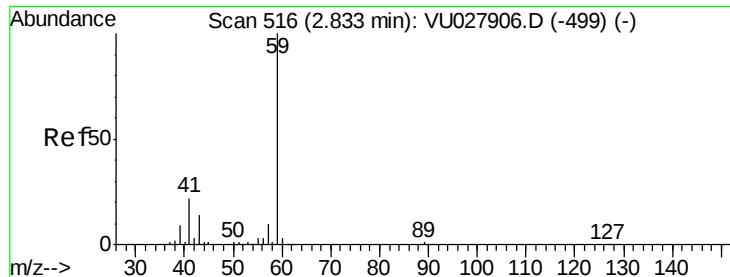


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





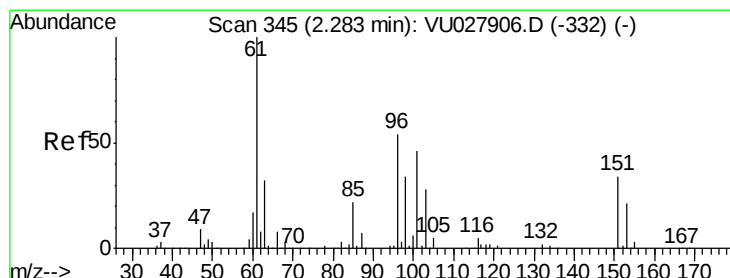
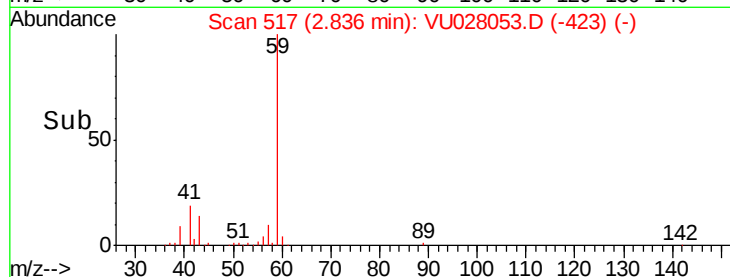
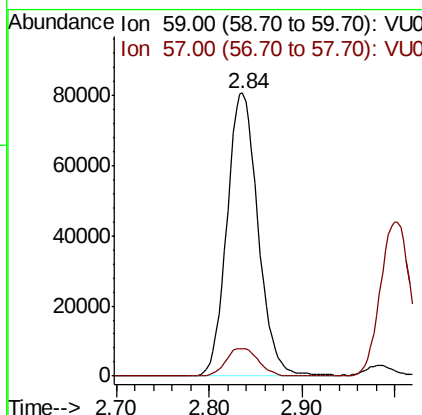
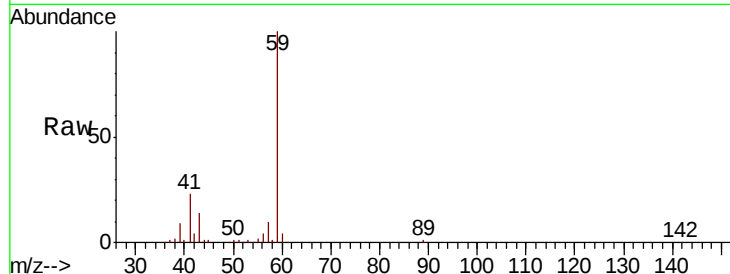
#11
Tert butyl alcohol
Concen: 126.699 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 187218
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8

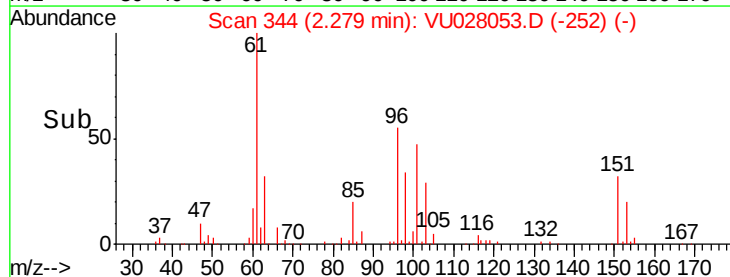
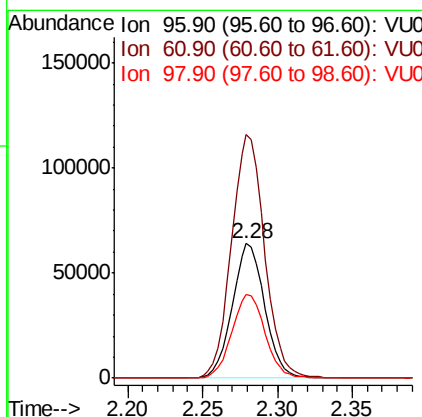
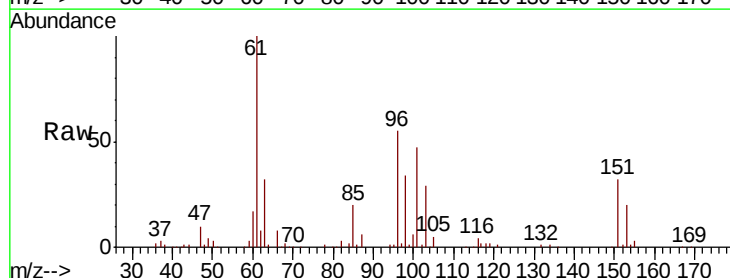
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#12
1,1-Dichloroethene
Concen: 24.491 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 96 Resp: 96365
Ion Ratio Lower Upper
96 100
61 181.3 149.3 223.9
98 62.3 50.6 75.8





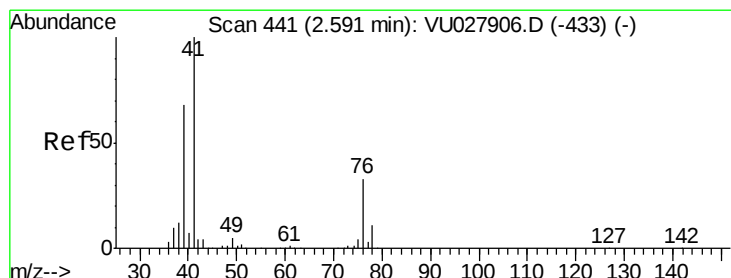
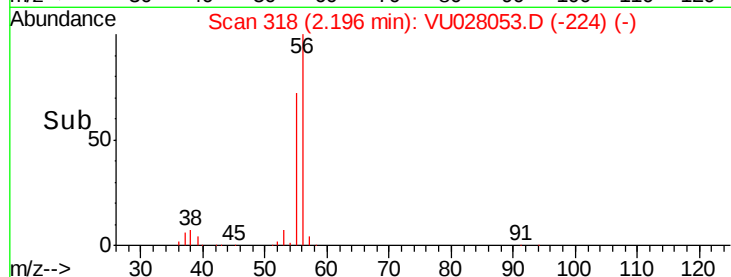
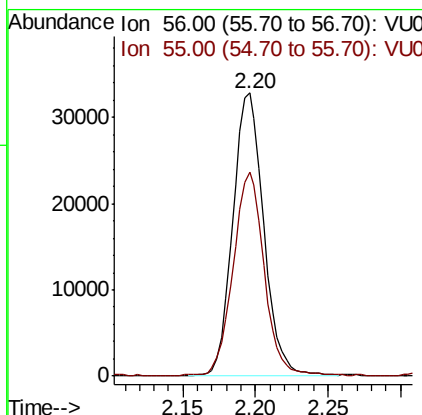
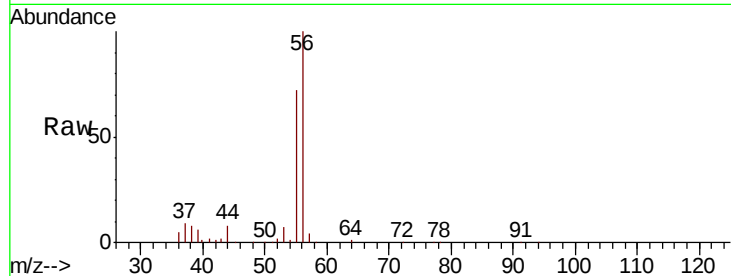
#13
Acrolein
Concen: 84.982 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	73.0		56.2	84.4	

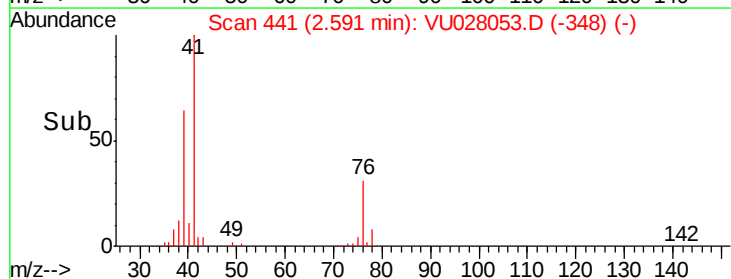
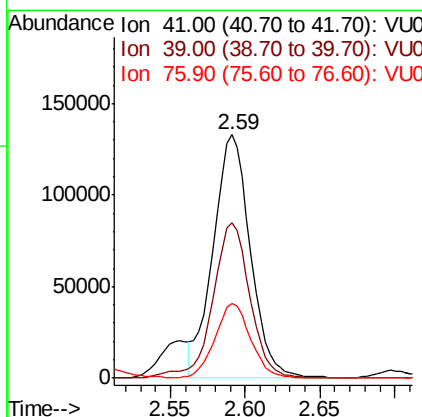
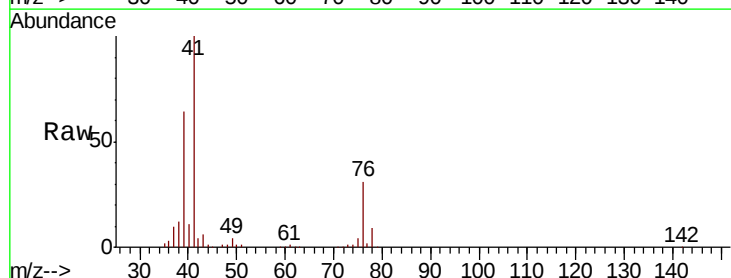
Manual Integrations
APPROVED

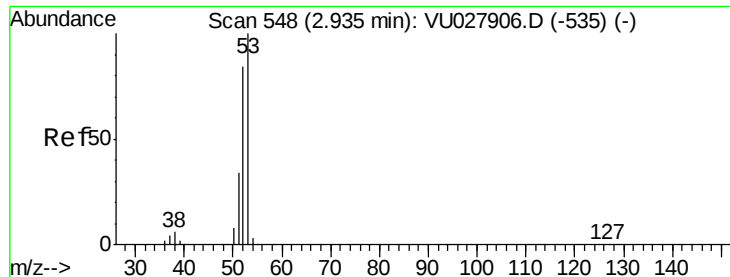
MMDadoda
11/12/2018 12:02:23 PM



#14
Allyl chloride
Concen: 23.868 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	64.3			51.9	77.9	
76	29.6			23.8	35.6	





#15

Acrylonitrile

Concen: 128.386 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

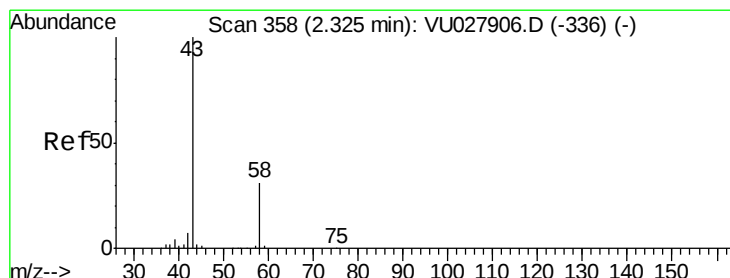
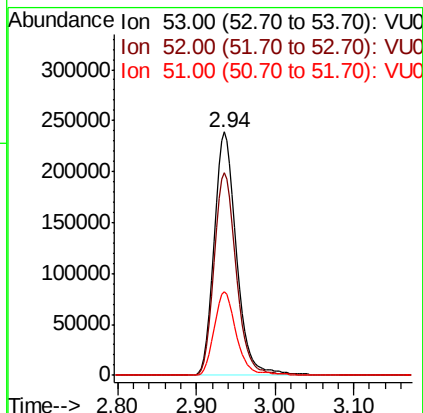
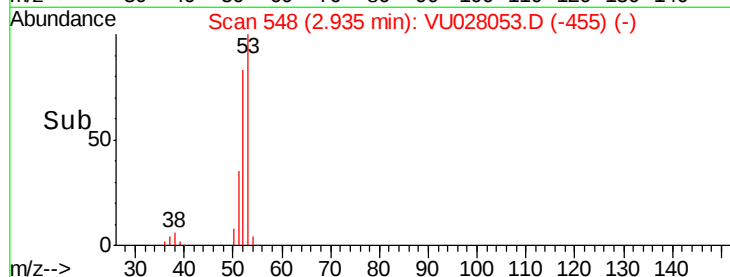
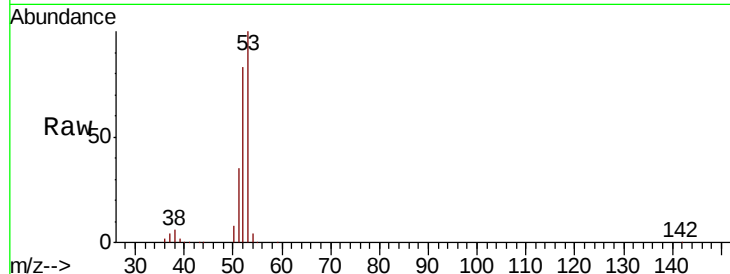
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	466010
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	34.7	27.0	40.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#16

Acetone

Concen: 130.868 ug/l

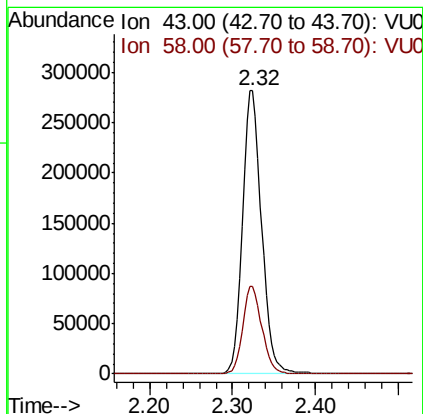
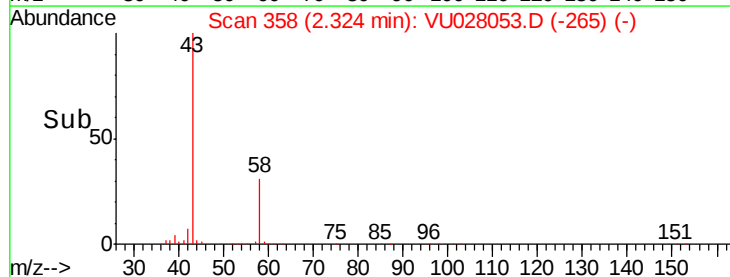
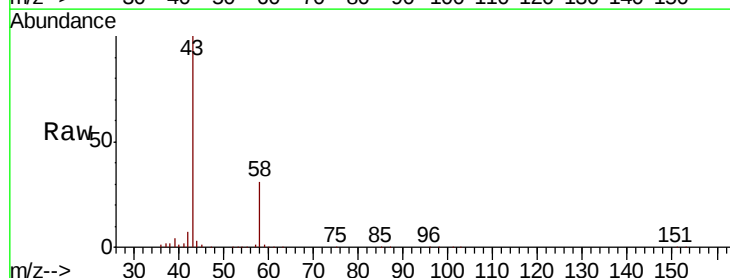
RT: 2.32 min Scan# 358

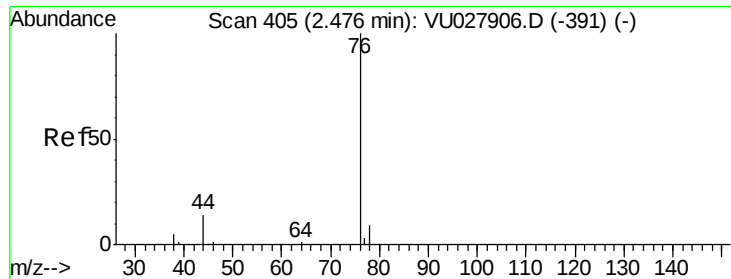
Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion:	43	Resp:	453206
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0





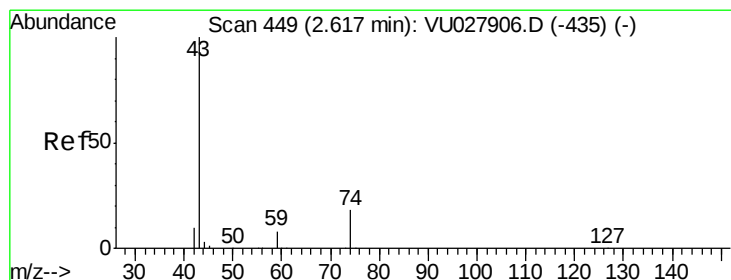
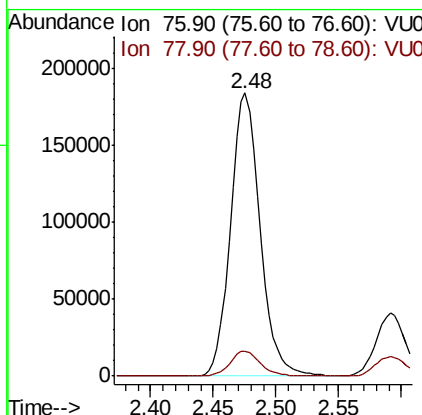
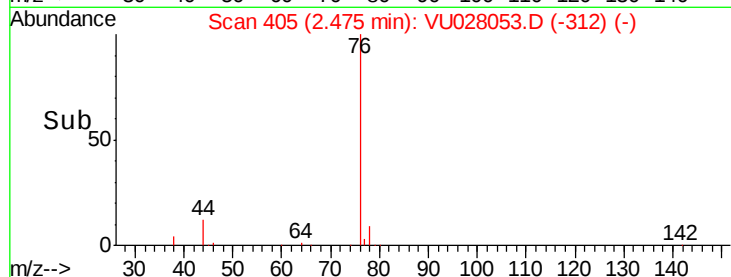
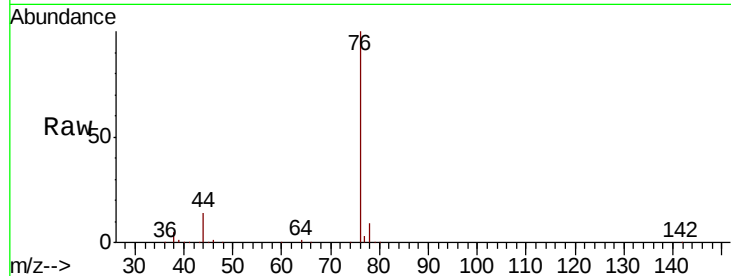
#17
Carbon Disulfide
Concen: 23.347 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

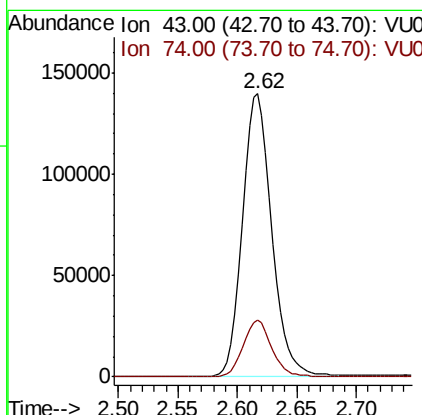
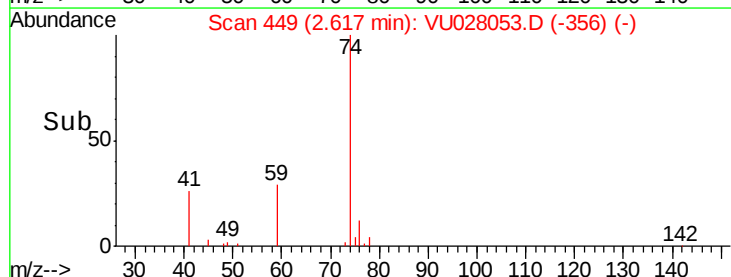
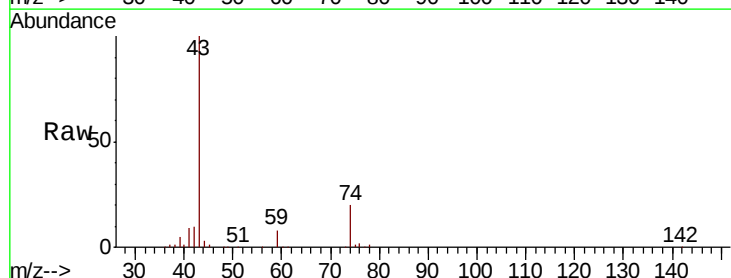
Manual Integrations
APPROVED

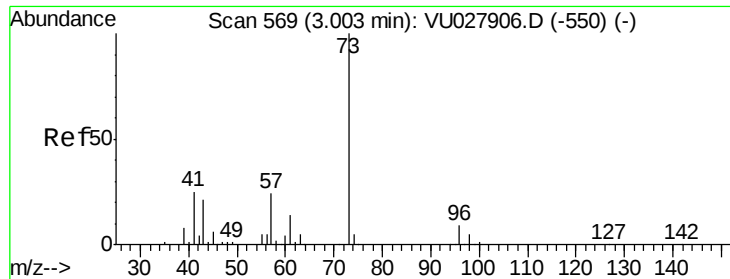
MMDadoda
11/12/2018 12:02:23 PM



#18
Methyl Acetate
Concen: 24.977 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	14.9	22.3





#19

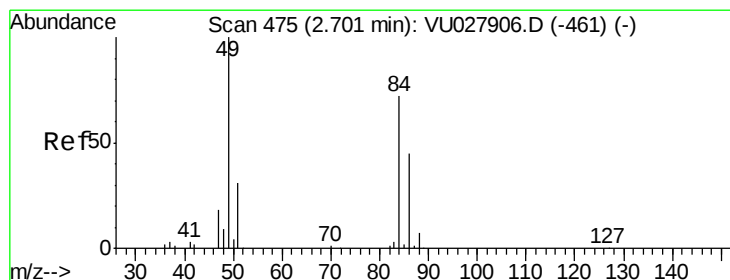
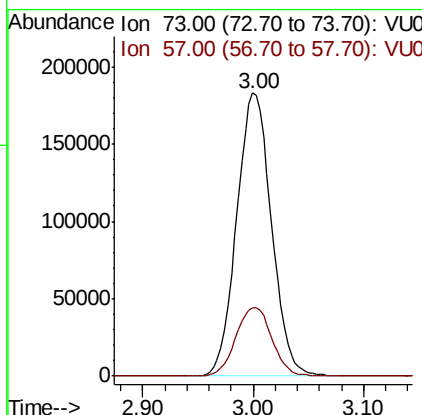
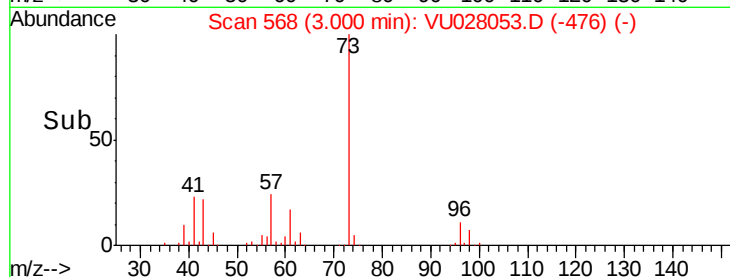
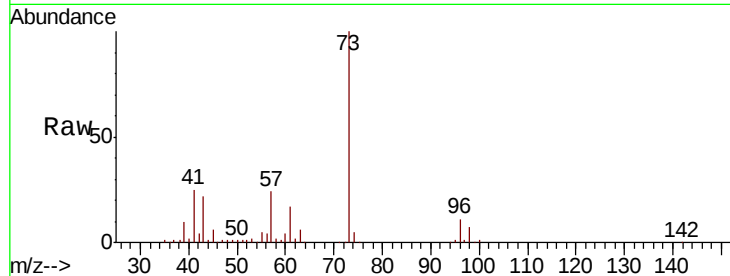
Methyl tert-butyl Ether
 Concen: 25.215 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

Manual Integrations
 APPROVED

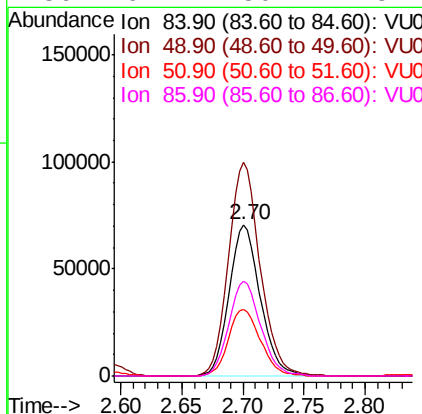
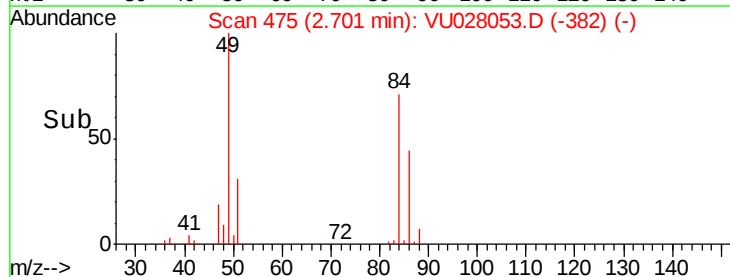
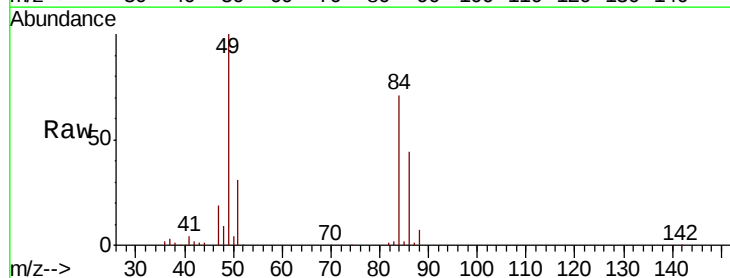
MMDadoda
 11/12/2018 12:02:23 PM

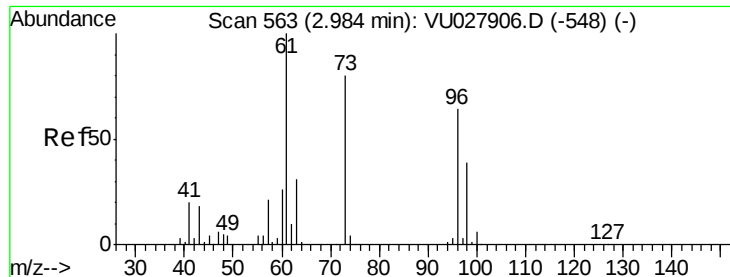


#20

Methylene Chloride
 Concen: 24.865 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.1	111.6	167.4
51	44.2	34.8	52.2
86	62.4	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 23.944 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

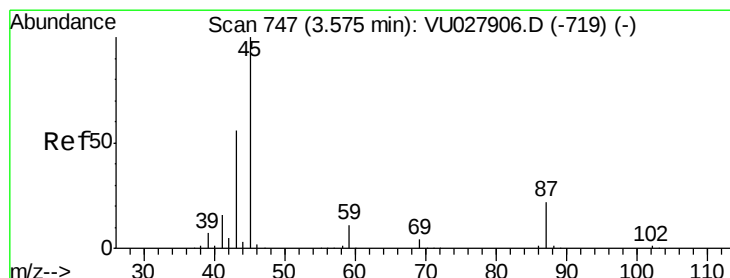
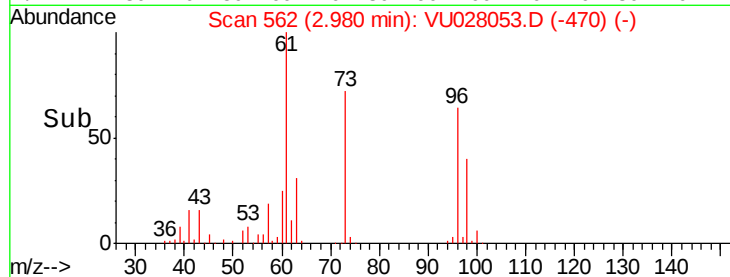
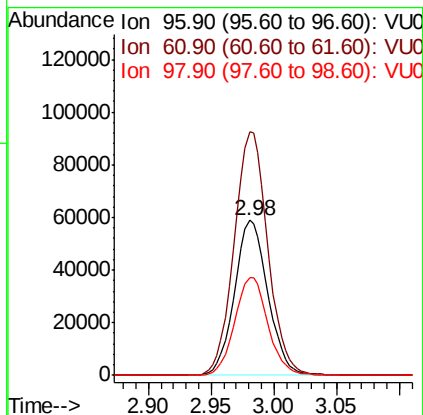
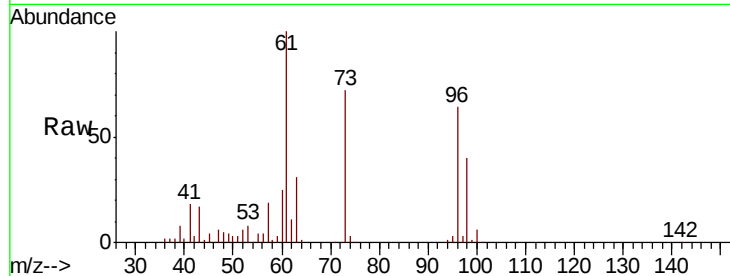
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	108727
Ion	Ratio	Lower	Upper
96	100		
61	157.1	125.0	187.6
98	63.1	48.2	72.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#22

Diisopropyl ether

Concen: 25.327 ug/l

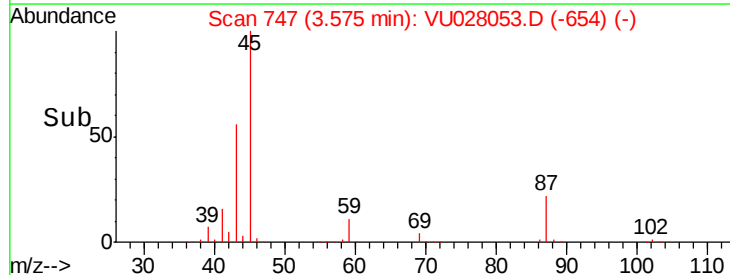
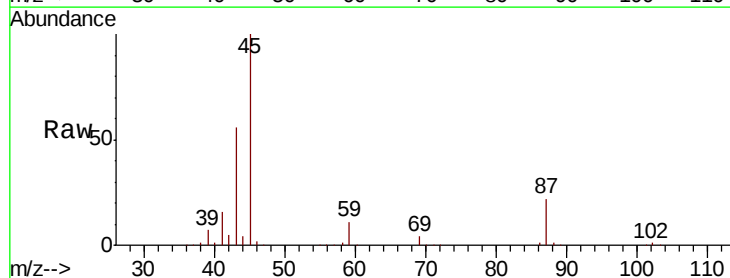
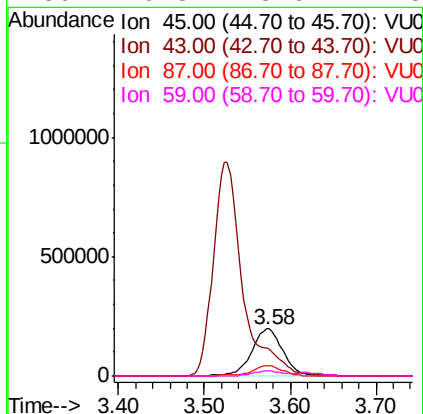
RT: 3.58 min Scan# 747

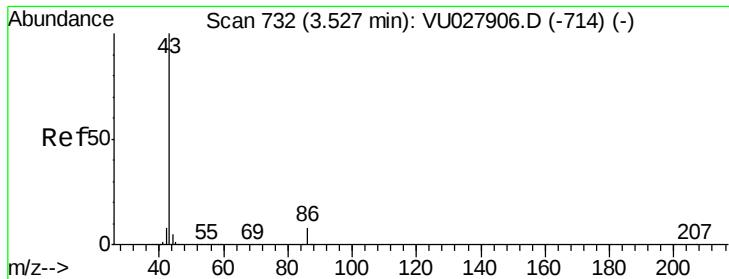
Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion:	45	Resp:	502839
Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	22.0	17.9	26.9
59	10.8	8.6	12.8





#23

Vinyl Acetate

Concen: 125.675 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2144366

Ion Ratio Lower Upper

43 100

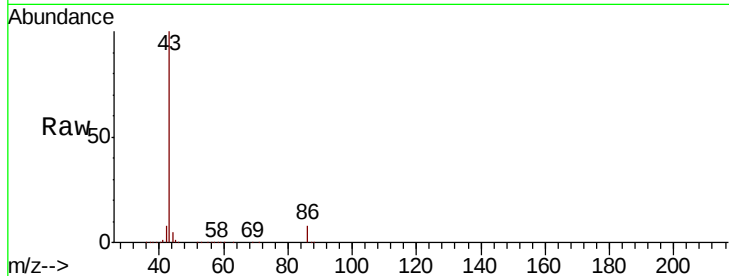
86 8.2 6.6 9.8

Manual Integrations

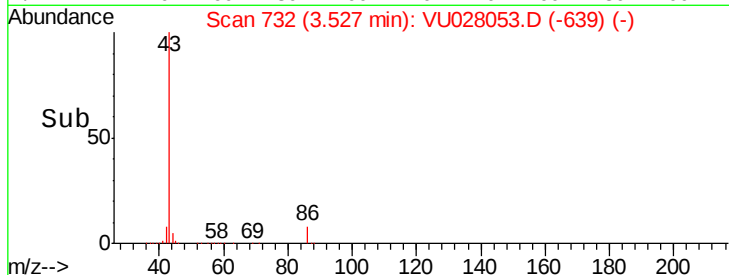
APPROVED

MMDadoda

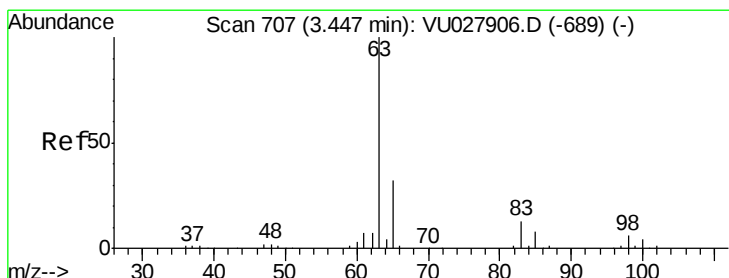
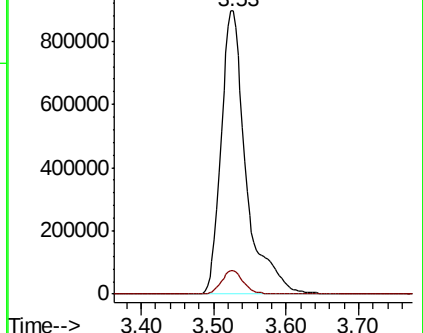
11/12/2018 12:02:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028053.D (-639) (-)



Ion 86.00 (85.70 to 86.70): VU028053.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 24.500 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

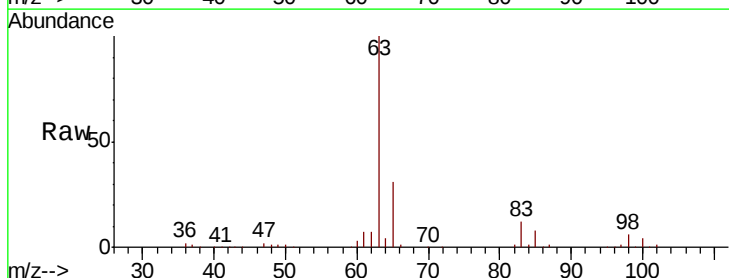
Tgt Ion: 63 Resp: 242283

Ion Ratio Lower Upper

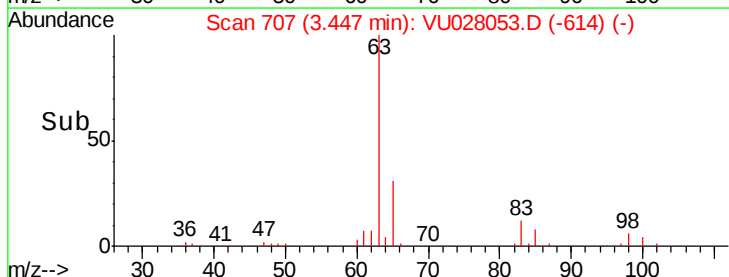
63 100

98 6.4 2.9 8.6

100 3.7 2.0 6.0

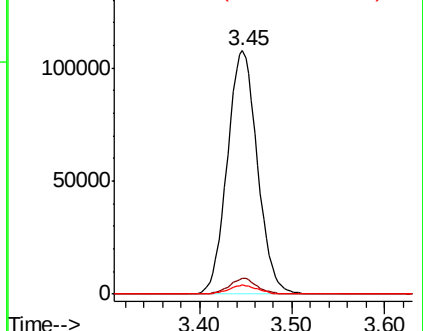


Abundance Ion 62.90 (62.60 to 63.60): VU028053.D (-614) (-)



Ion 97.90 (97.60 to 98.60): VU028053.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028053.D (-614) (-)





#25

2-Butanone

Concen: 128.068 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 705587

Ion Ratio Lower Upper

43 100

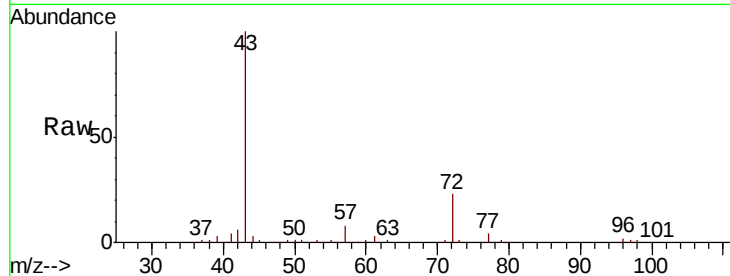
72 22.6 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

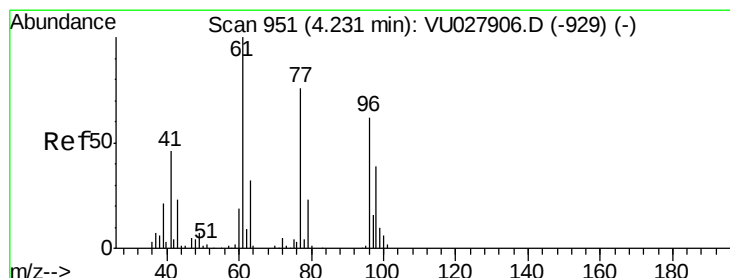
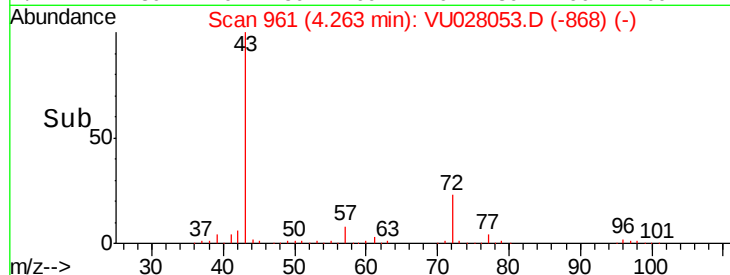
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 24.203 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028053.D

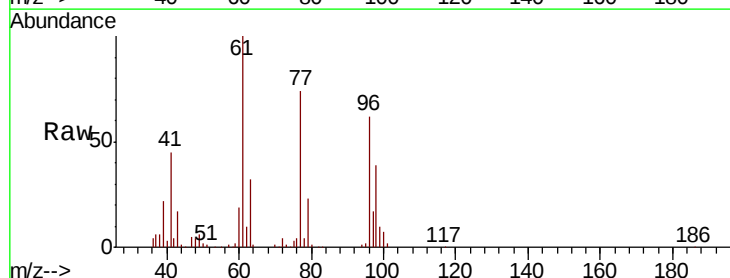
Acq: 09 Nov 2018 18:34

Tgt Ion: 77 Resp: 179618

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

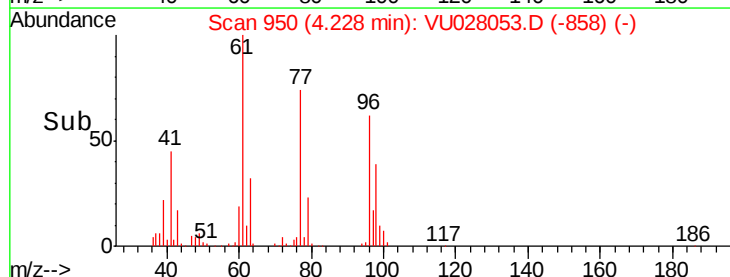
60000

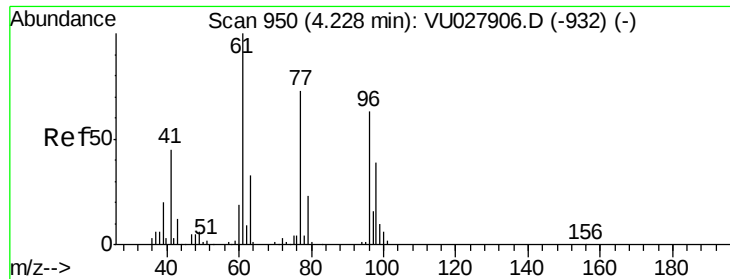
40000

20000

0

Time-->





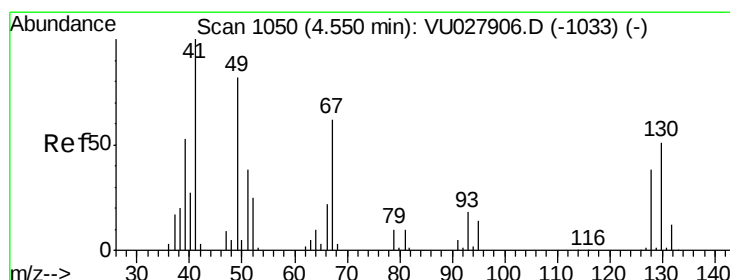
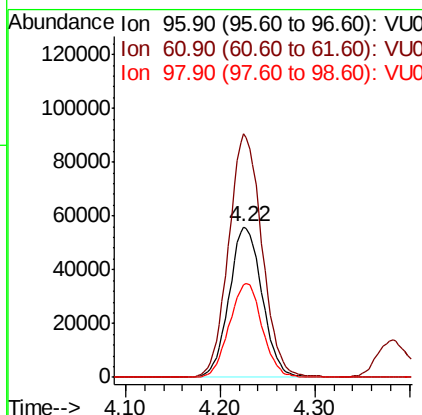
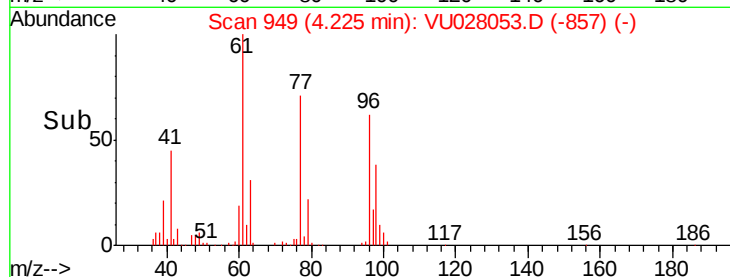
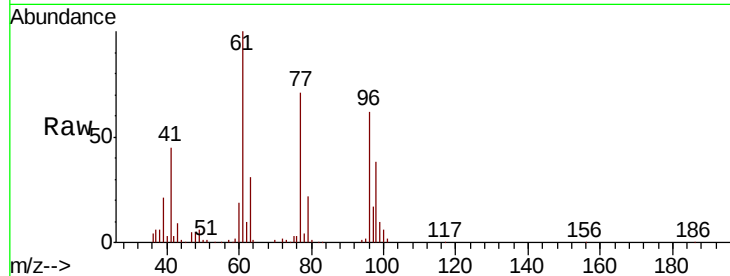
#27
 cis-1,2-Dichloroethene
 Concen: 26.555 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135216		
61	164.0	0.0	329.6	
98	62.3	0.0	127.2	

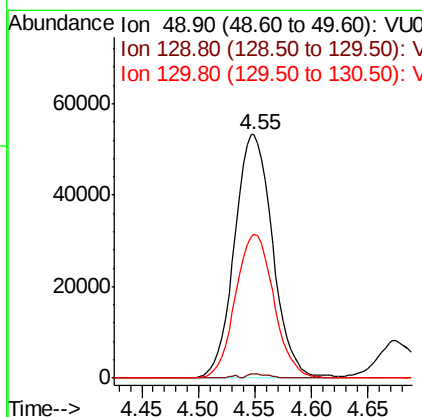
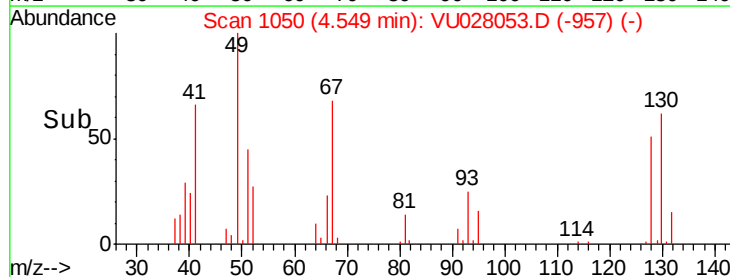
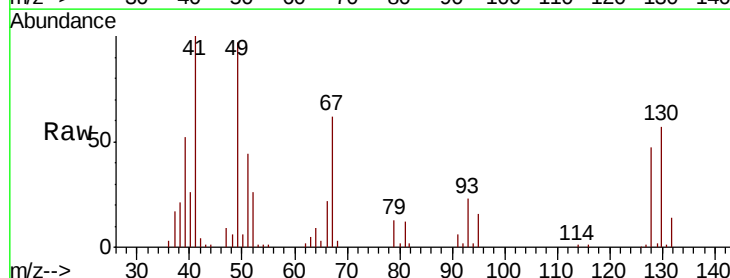
Manual Integrations
 APPROVED

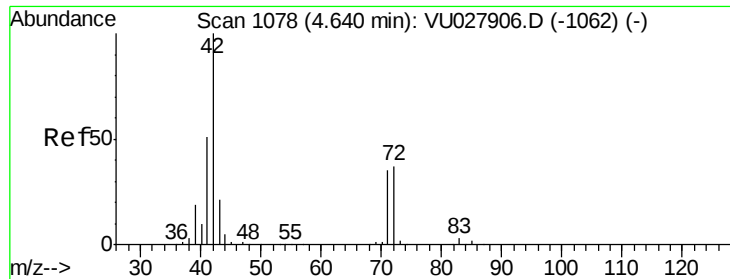
MMDadoda
 11/12/2018 12:02:23 PM



#28
 Bromochloromethane
 Concen: 26.977 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125068		
129	1.0	0.0	3.0	
130	59.3	47.8	71.6	





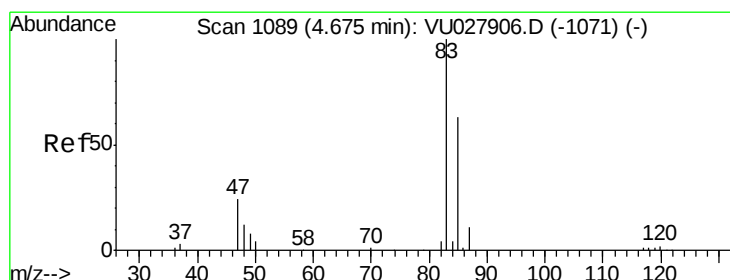
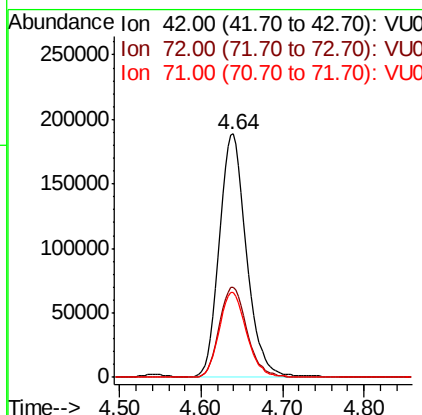
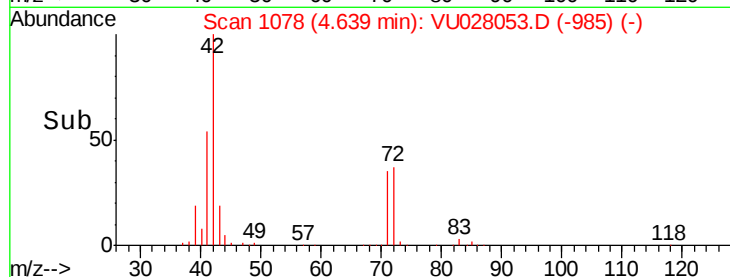
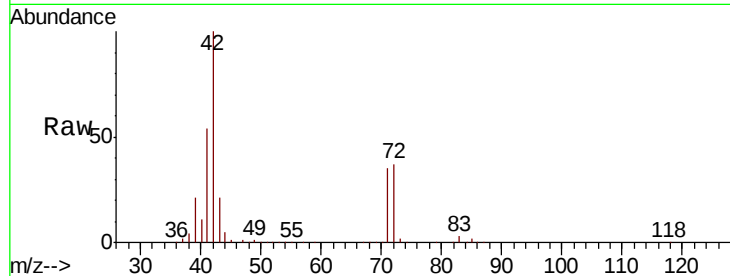
#29
Tetrahydrofuran
Concen: 120.475 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.4	44.0
71	35.4	27.9	41.9

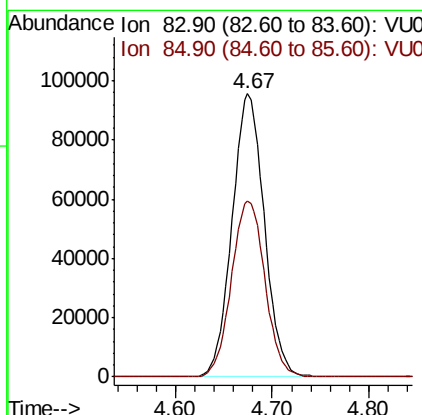
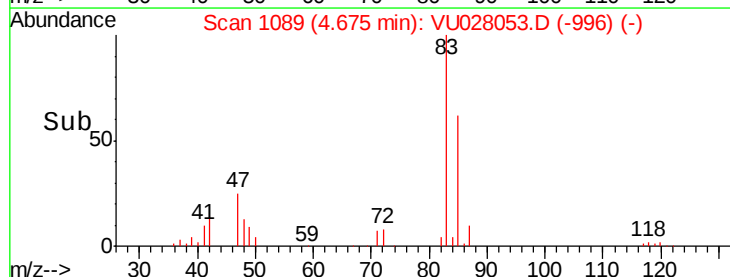
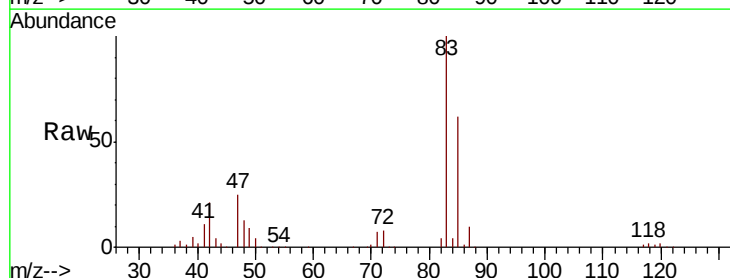
Manual Integrations
APPROVED

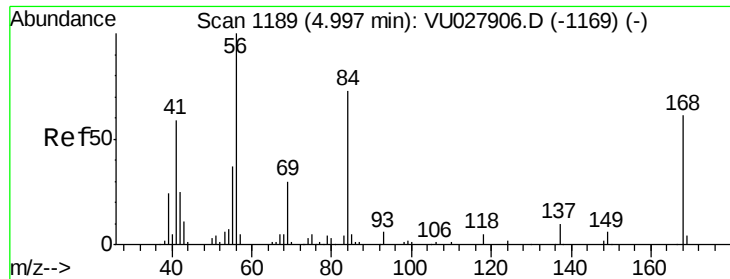
MMDadoda
11/12/2018 12:02:23 PM



#30
Chloroform
Concen: 24.473 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0





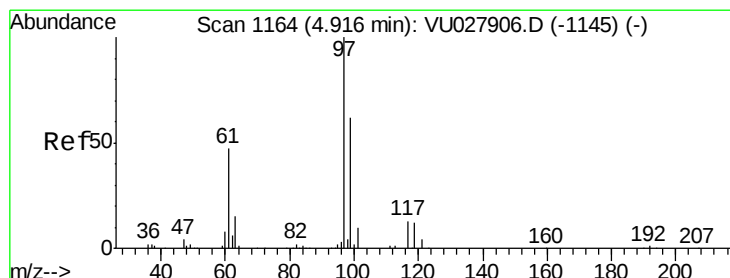
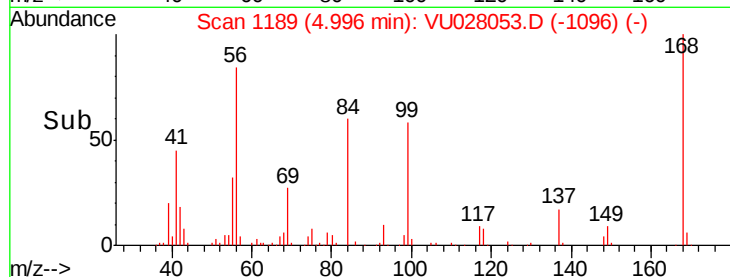
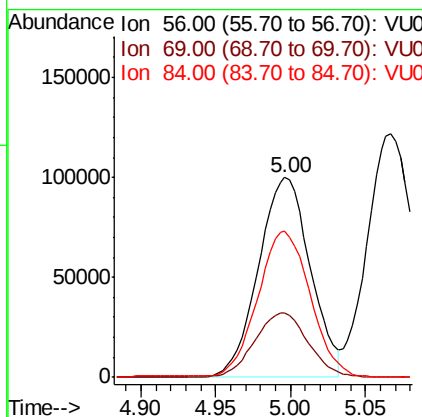
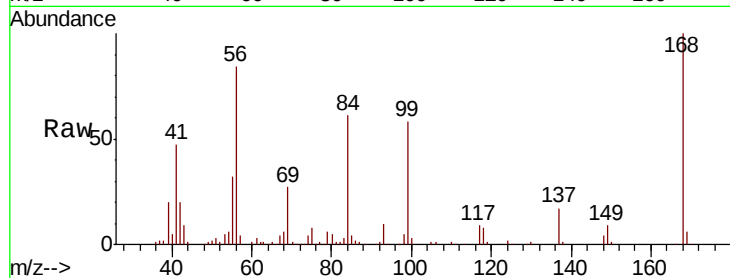
#31
Cyclohexane
Concen: 23.963 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.7	35.5
84	72.3	58.2	87.4

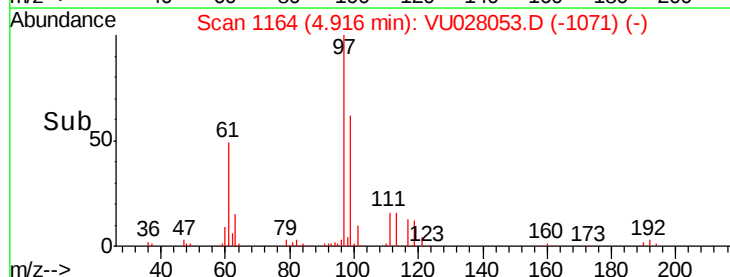
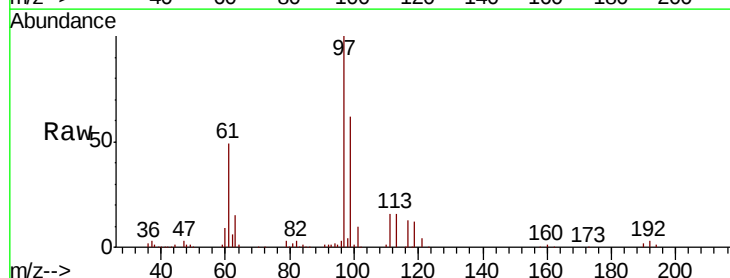
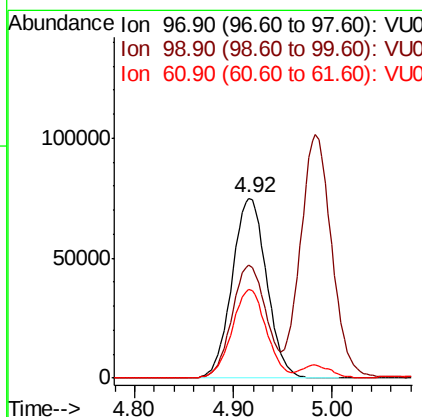
Manual Integrations
APPROVED

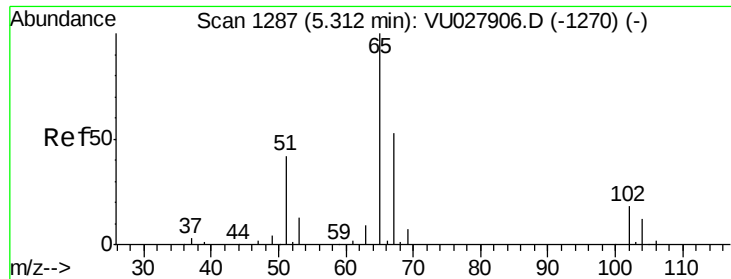
MMDadoda
11/12/2018 12:02:23 PM



#32
1,1,1-Trichloroethane
Concen: 25.296 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.5	75.7
61	49.0	38.3	57.5





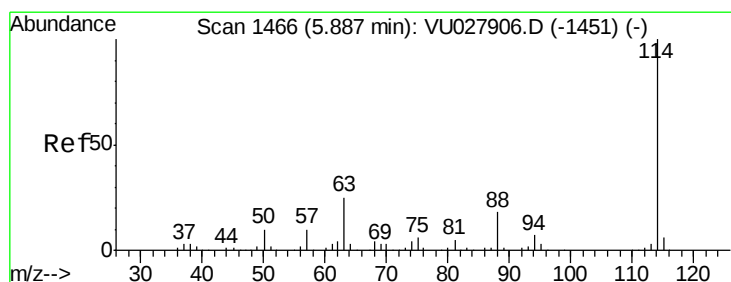
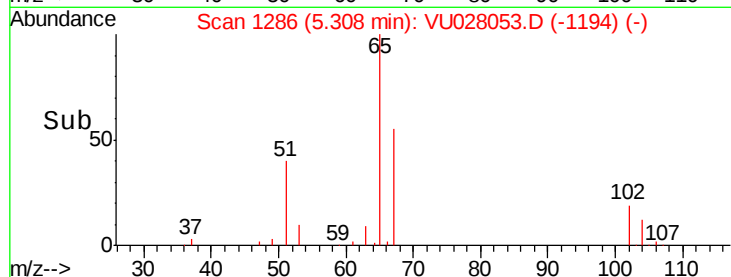
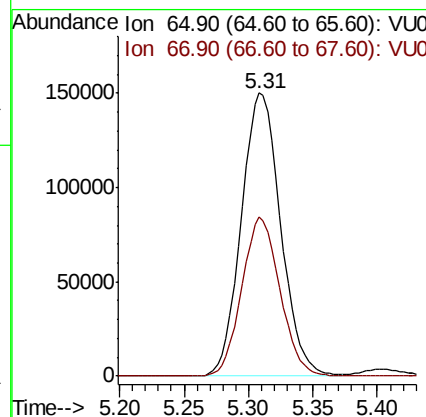
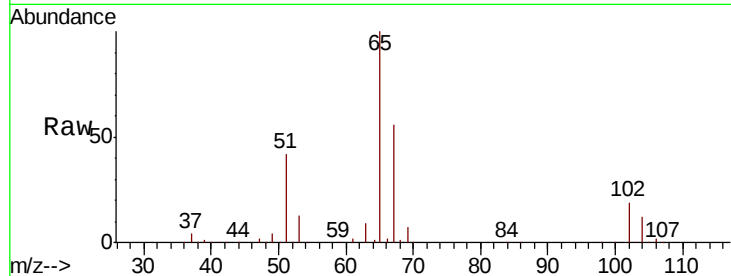
#33
 1,2-Dichloroethane-d4
 Concen: 57.068 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	318537		
67	54.7	0.0	109.0	

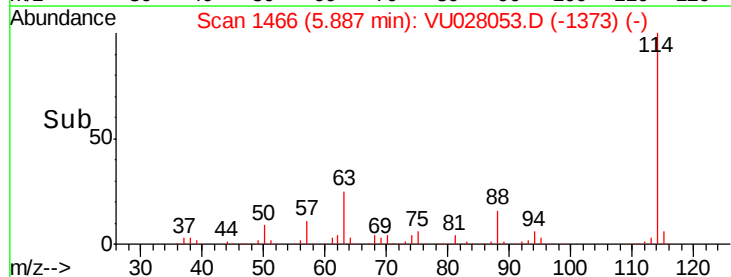
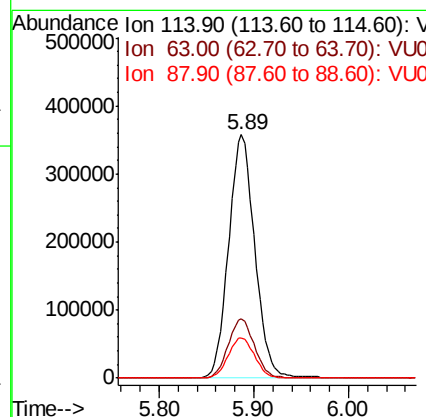
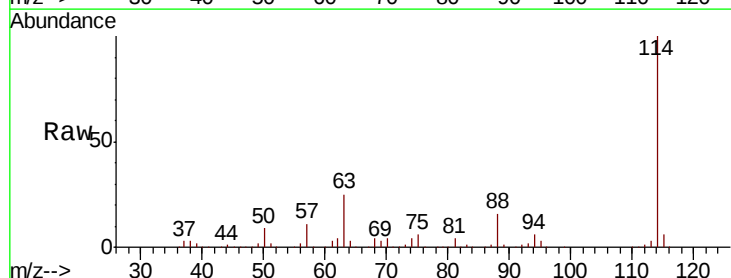
Manual Integrations
 APPROVED

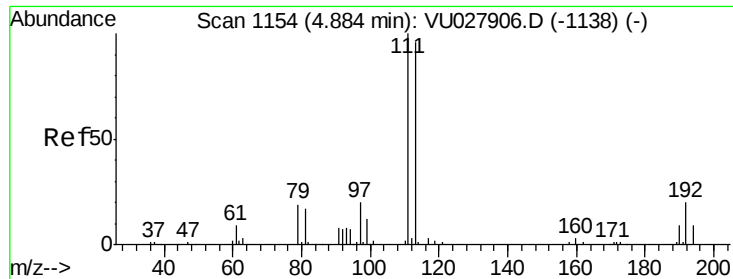
MMDadoda
 11/12/2018 12:02:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689363		
63	24.6	0.0	50.8	
88	16.4	0.0	35.8	





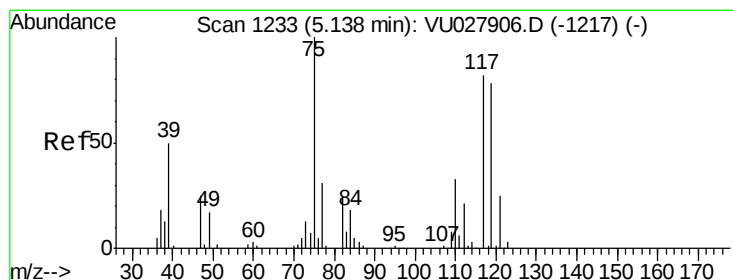
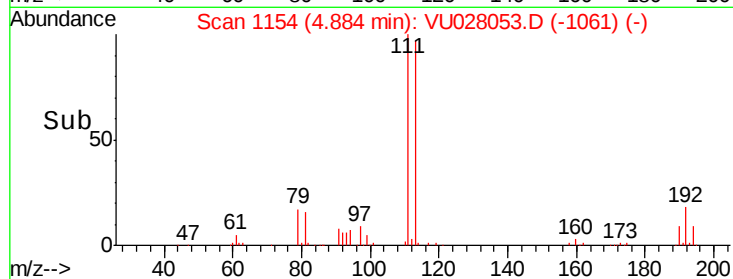
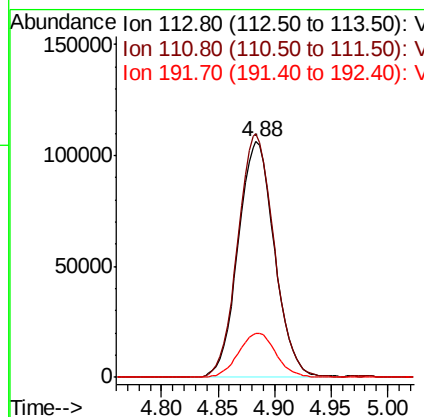
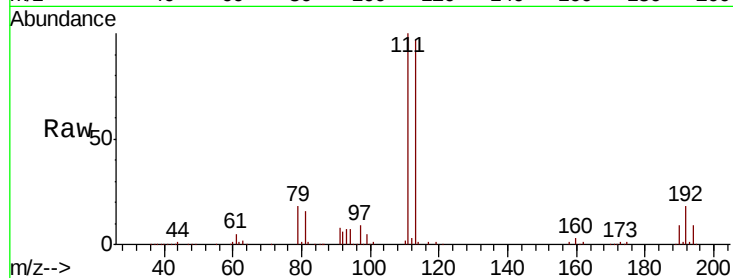
#35
 Dibromofluoromethane
 Concen: 54.785 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238125		
111	102.9	83.0	124.6	
192	19.2	15.6	23.4	

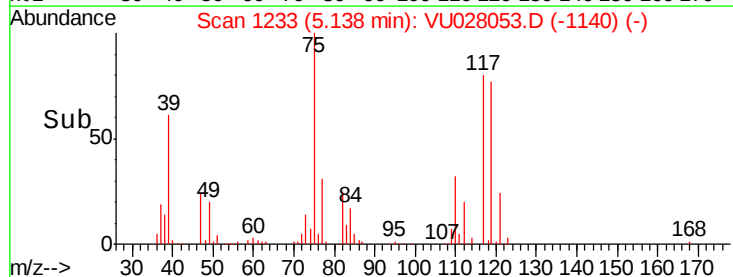
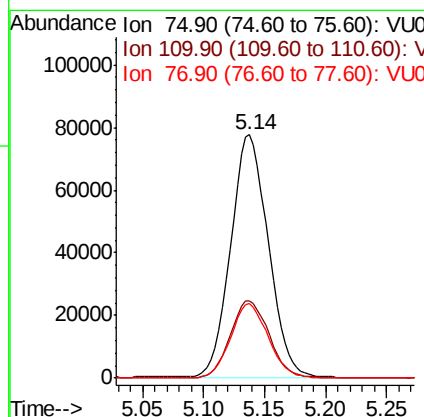
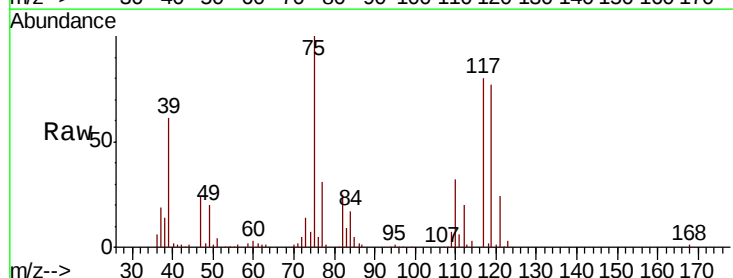
Manual Integrations
 APPROVED

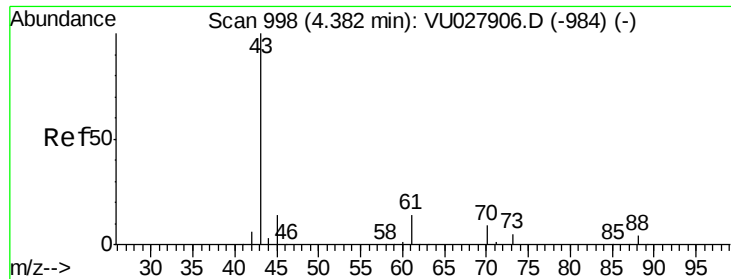
MMDadoda
 11/12/2018 12:02:23 PM



#36
 1,1-Dichloropropene
 Concen: 23.025 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166238		
110	33.0	16.5	49.5	
77	30.4	24.9	37.3	





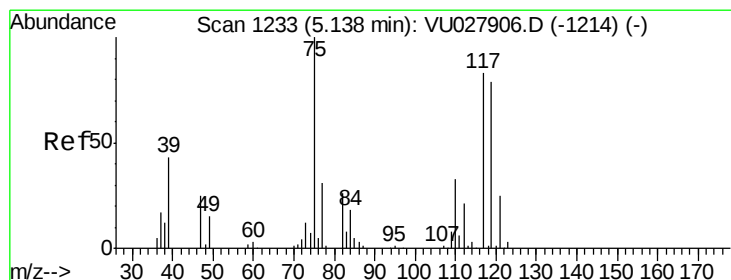
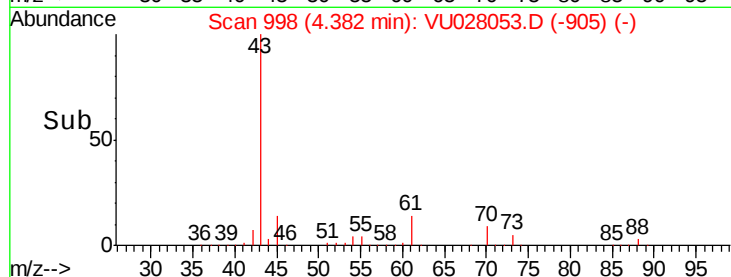
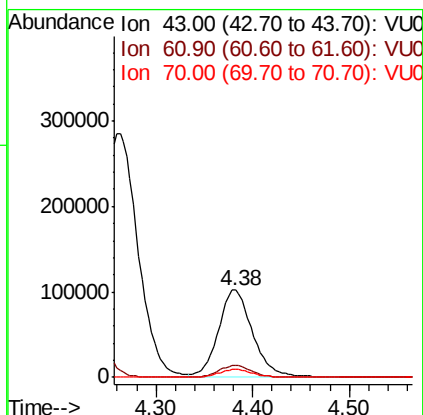
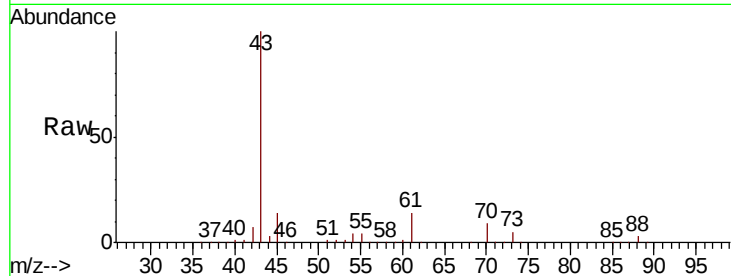
#37
Ethyl Acetate
Concen: 23.408 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	247627
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.0	7.0	10.6

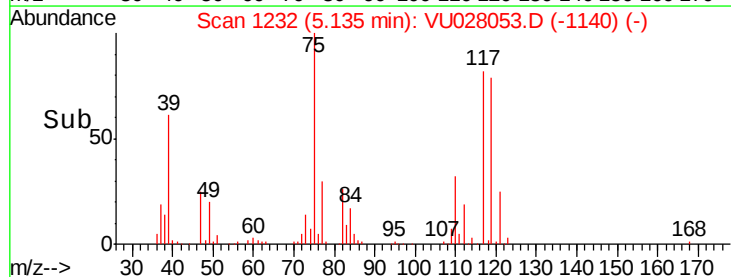
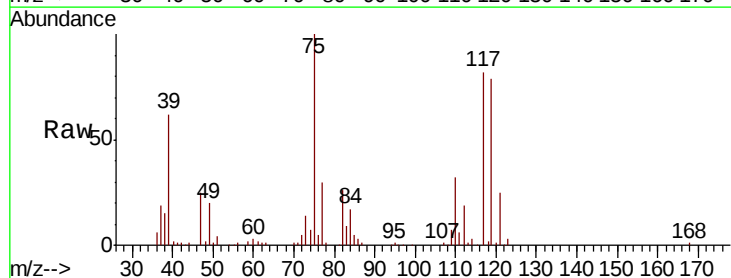
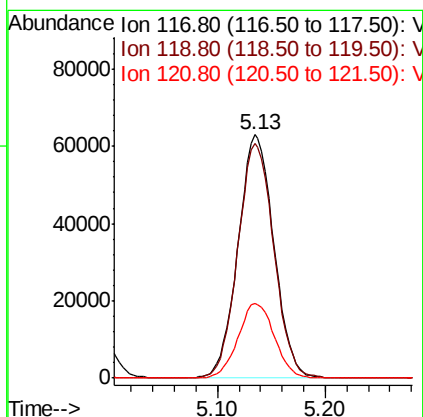
Manual Integrations
APPROVED

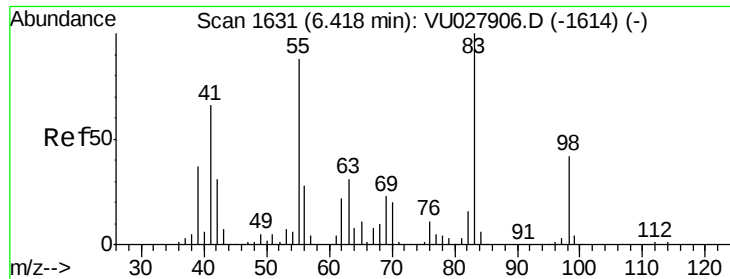
MMDadoda
11/12/2018 12:02:23 PM



#38
Carbon Tetrachloride
Concen: 22.735 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:	117	Resp:	145467
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.0	114.0
121	30.7	24.5	36.7





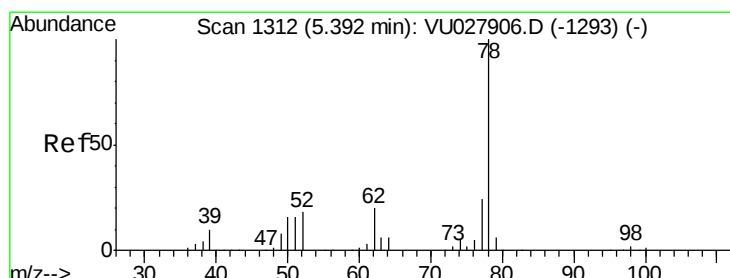
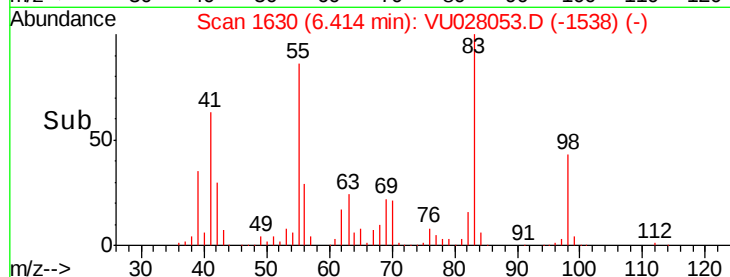
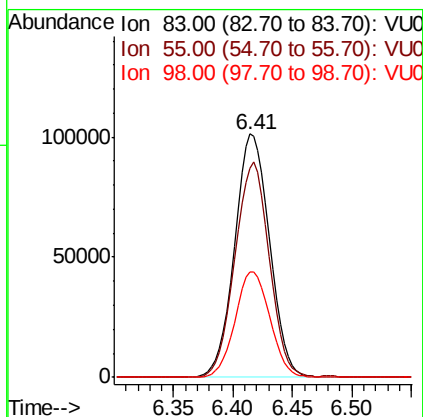
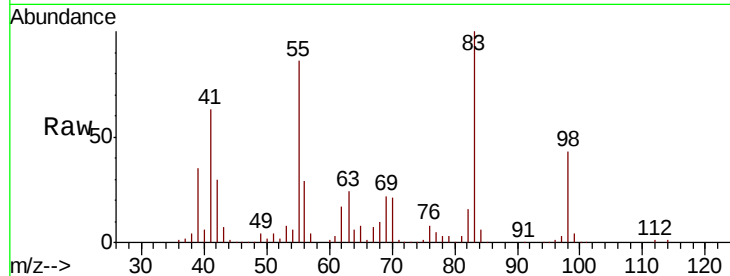
#39
Methvlcvclohexane
Concen: 23.681 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	70.3	105.5
98	43.3	34.0	51.0

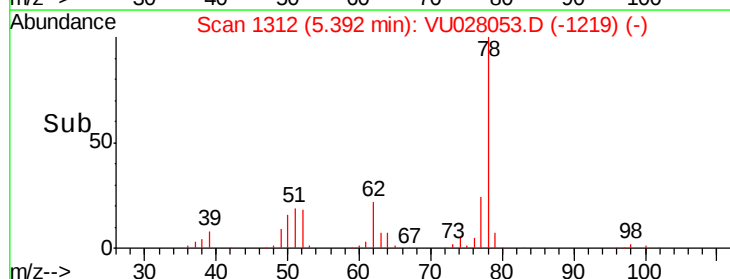
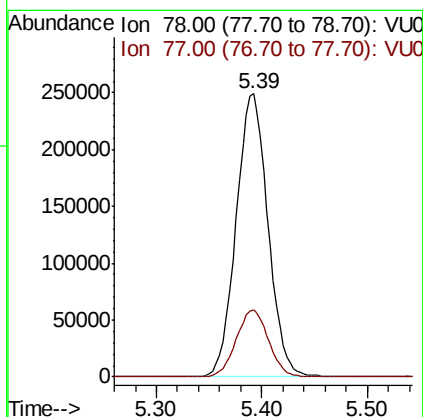
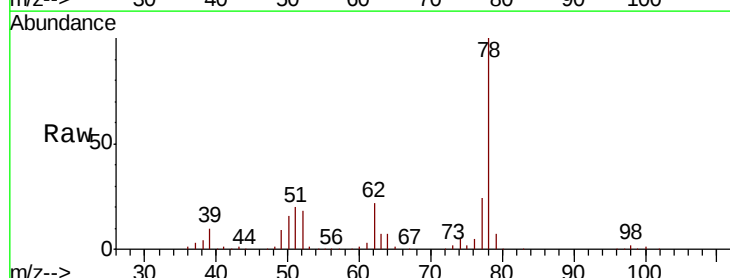
Manual Integrations
APPROVED

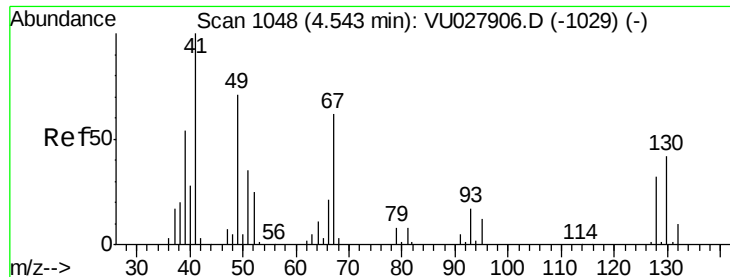
MMDadoda
11/12/2018 12:02:23 PM



#40
Benzene
Concen: 23.642 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





#41

Methacrylonitrile

Concen: 24.304 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 137213

Ion Ratio Lower Upper

41 100

39 53.2 42.2 63.4

67 64.3 49.5 74.3

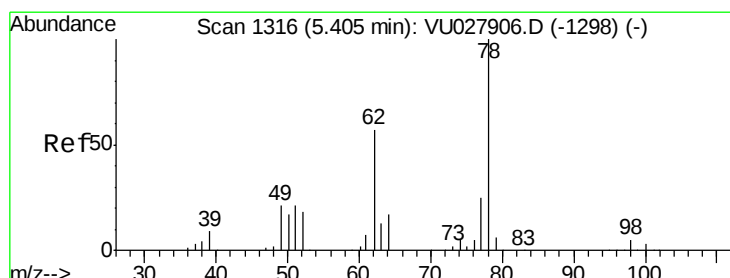
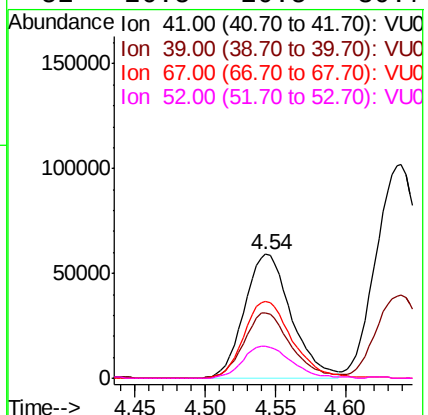
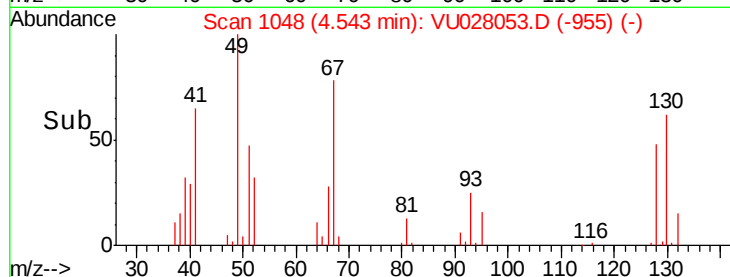
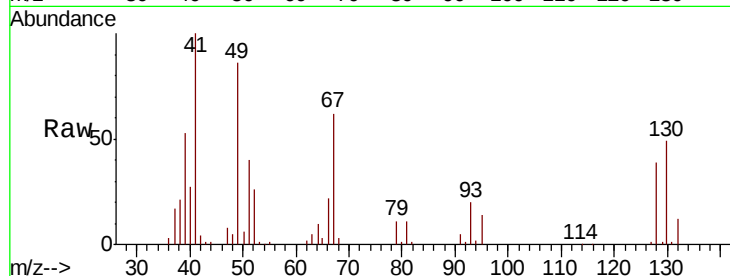
52 26.5 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



#42

1,2-Dichloroethane

Concen: 23.488 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028053.D

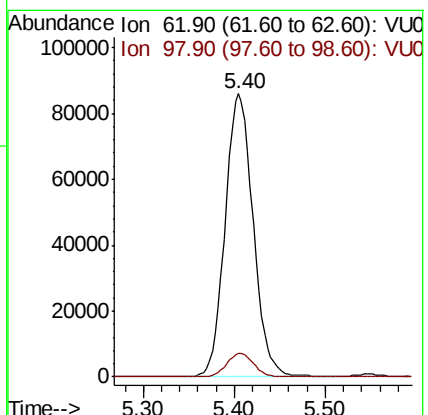
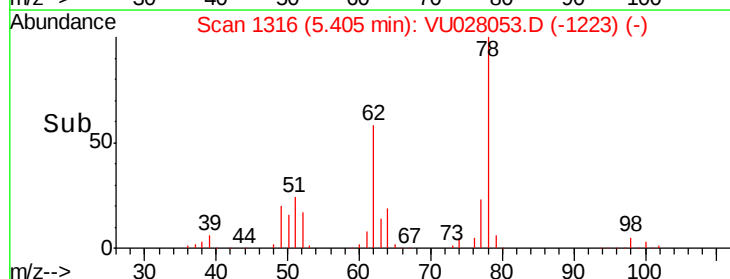
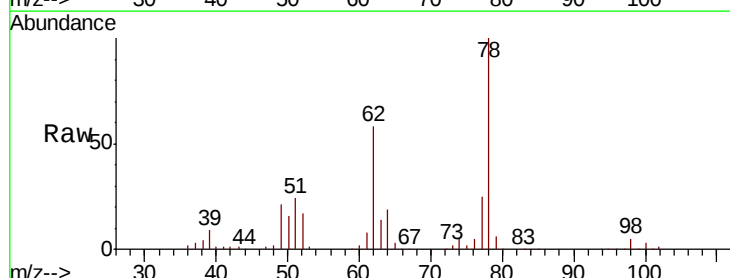
Acq: 09 Nov 2018 18:34

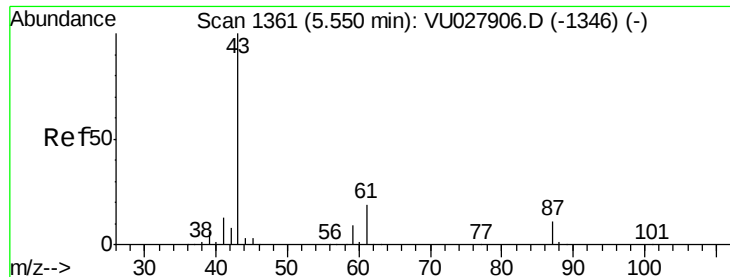
Tgt Ion: 62 Resp: 184295

Ion Ratio Lower Upper

62 100

98 8.1 0.0 17.2





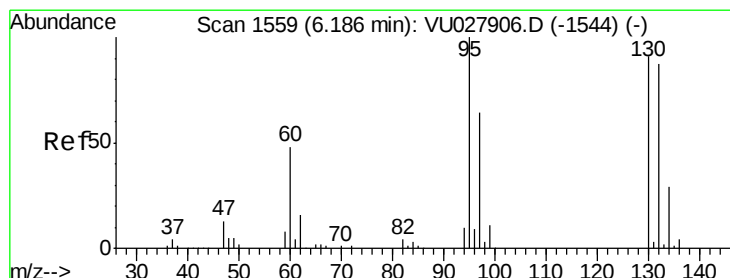
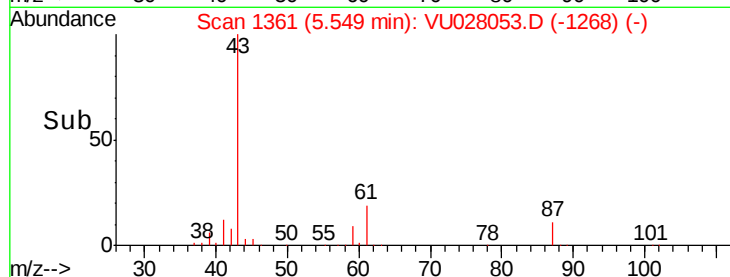
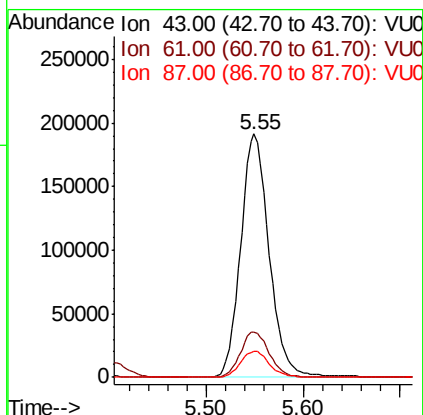
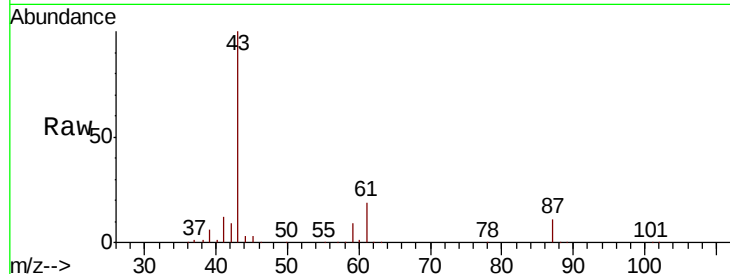
#43
Isopropyl Acetate
Concen: 23.457 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.0	22.4
87	11.0	8.6	12.8

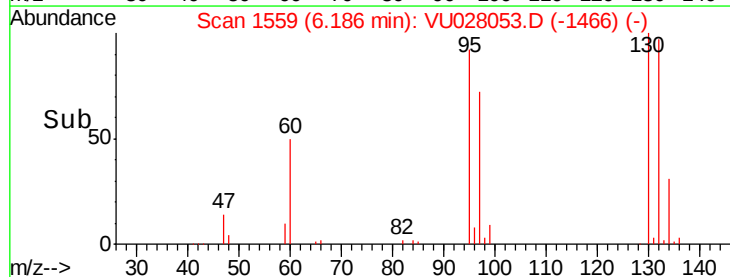
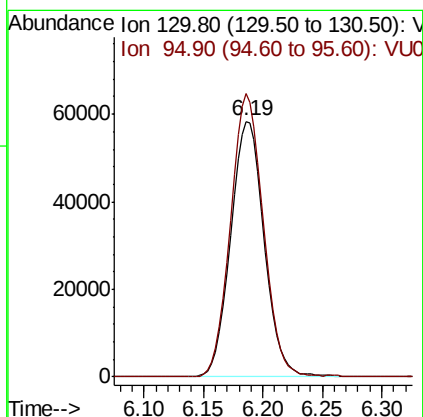
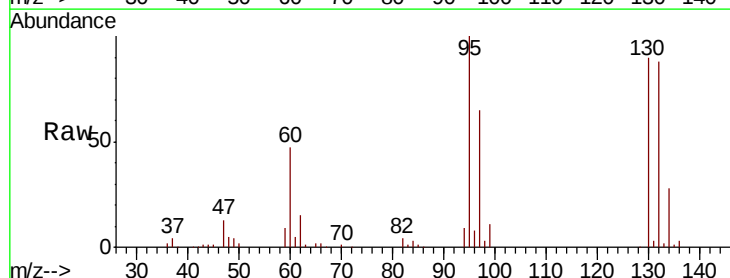
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#44
Trichloroethene
Concen: 23.995 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	219.2





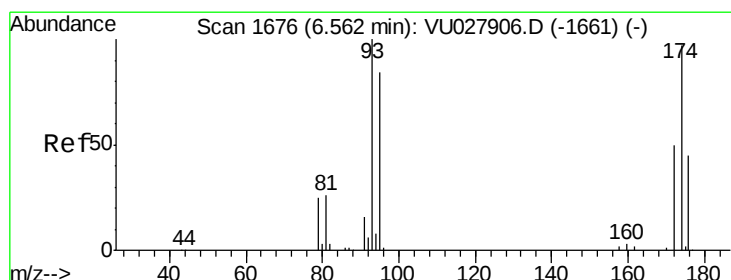
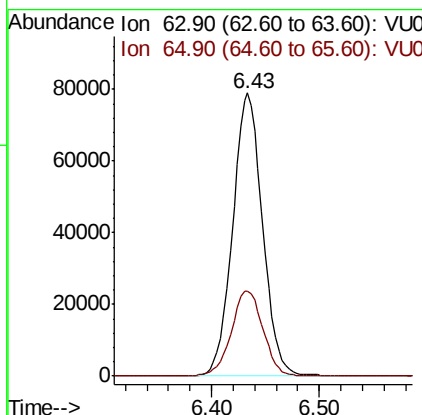
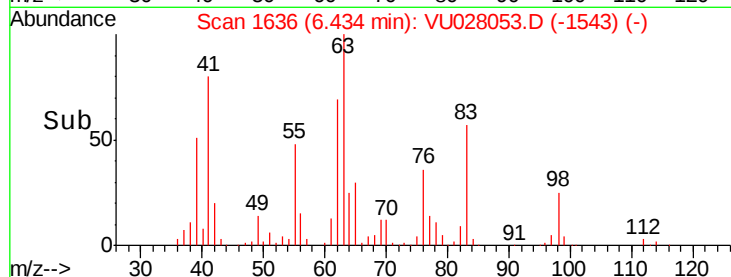
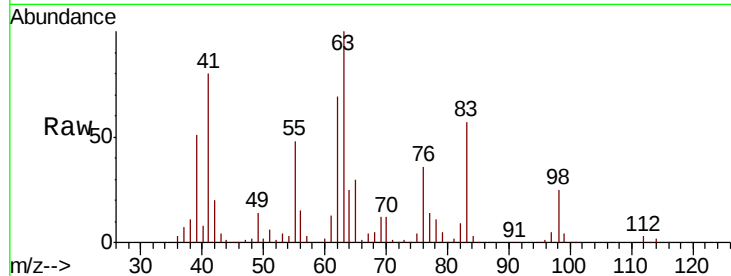
#45
 1,2-Dichloropropane
 Concen: 23.882 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 152035
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

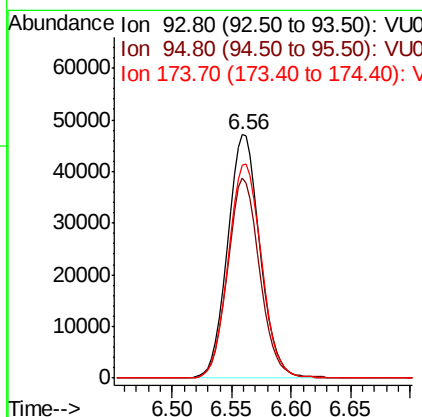
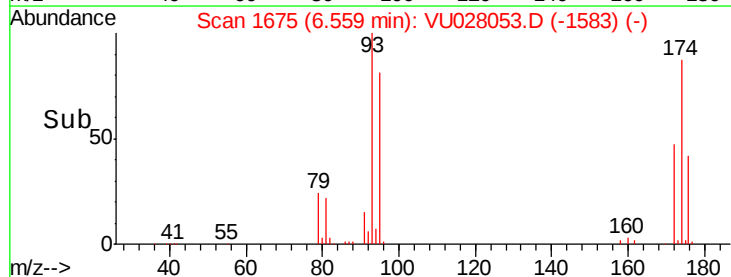
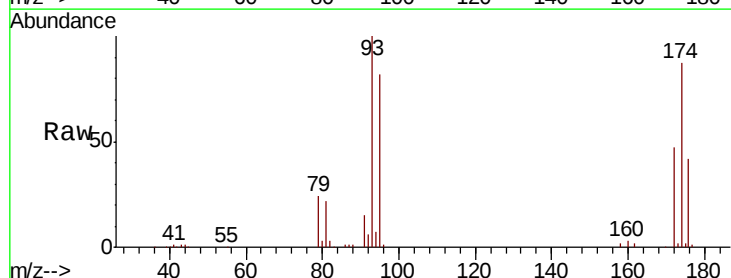
Manual Integrations
 APPROVED

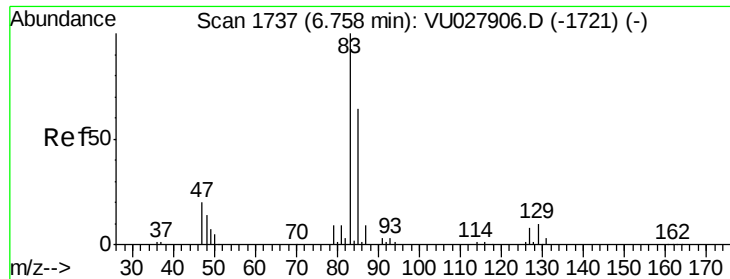
MMDadoda
 11/12/2018 12:02:23 PM



#46
 Dibromomethane
 Concen: 24.284 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 93 Resp: 88860
 Ion Ratio Lower Upper
 93 100
 95 81.0 68.5 102.7
 174 90.2 76.1 114.1





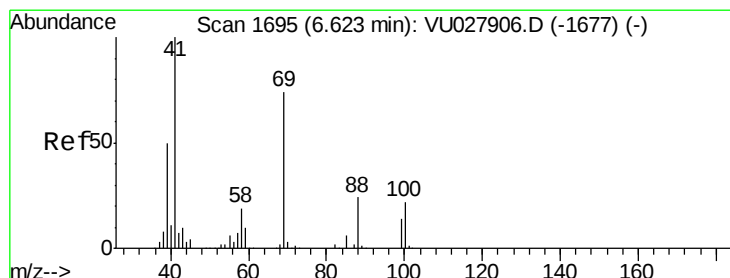
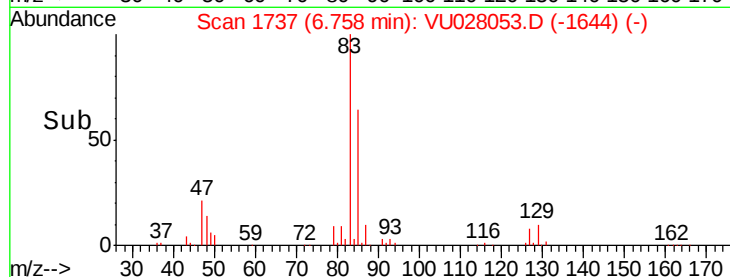
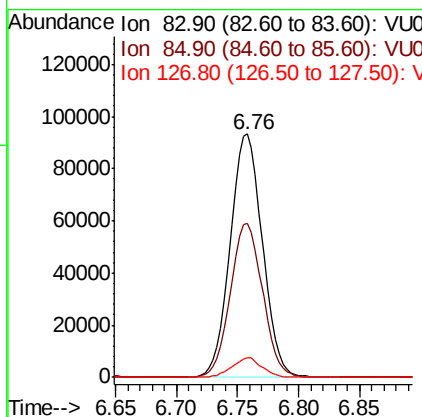
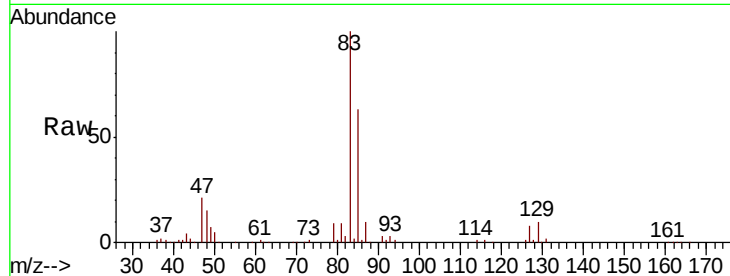
#47
Bromodichloromethane
Concen: 24.317 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	171479
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	8.1	6.2	9.4

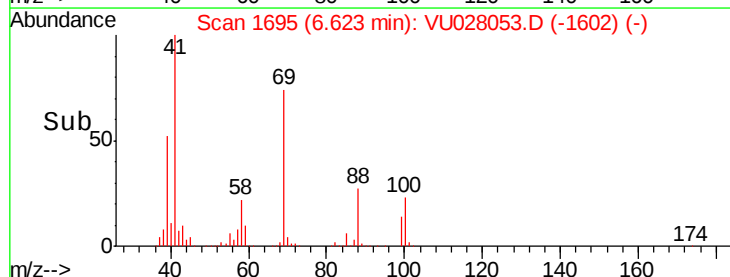
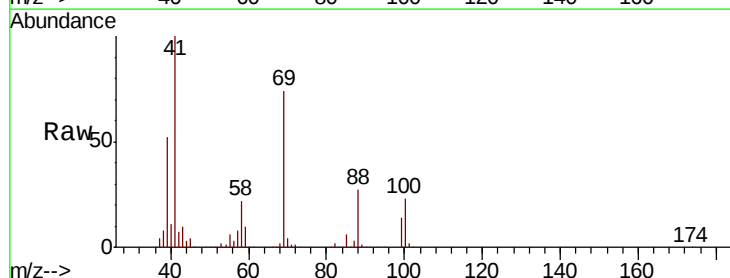
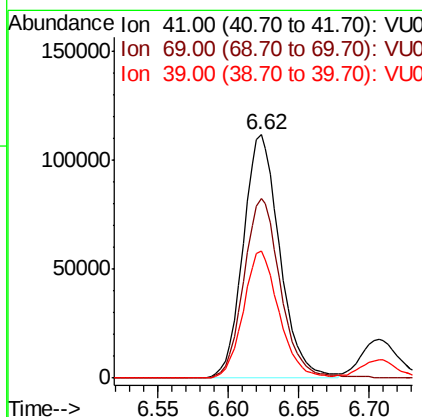
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#48
Methyl methacrylate
Concen: 24.961 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	41	Resp	202728
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	59.8	89.8
39	50.7	40.0	60.0





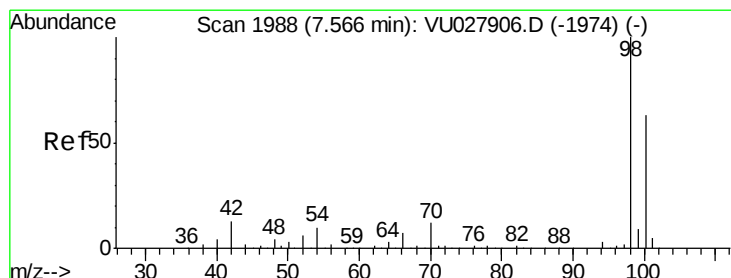
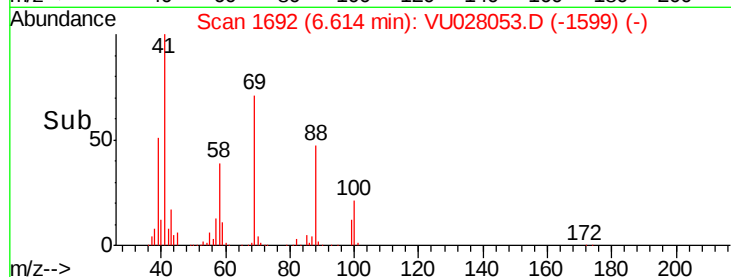
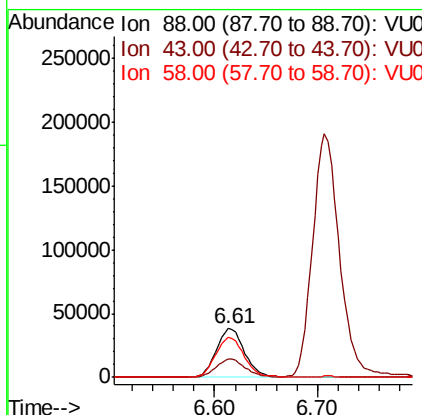
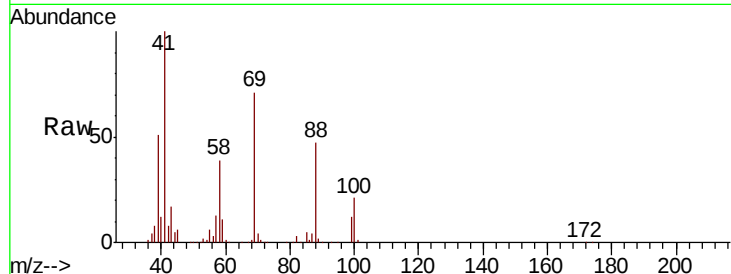
#49
1,4-Dioxane
Concen: 548.936 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.5	45.7
58	83.5	67.1	100.7

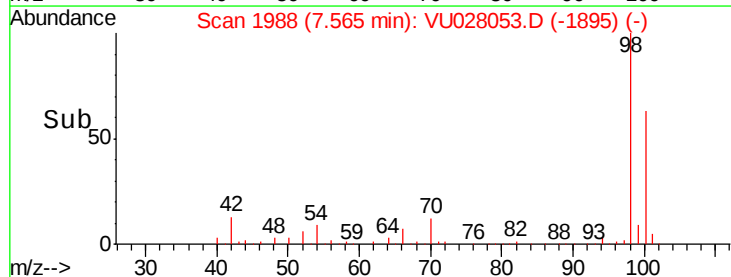
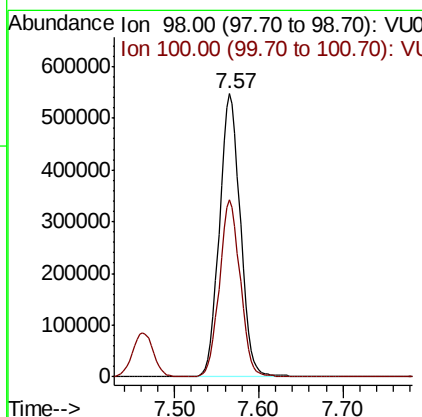
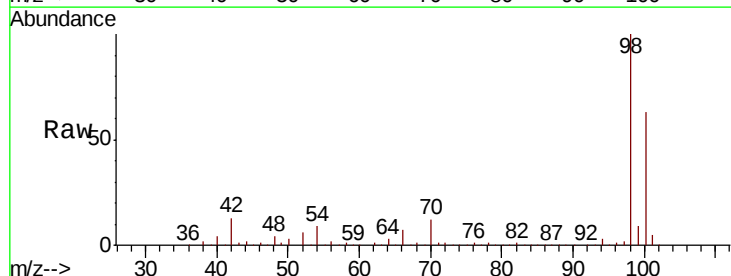
Manual Integrations
APPROVED

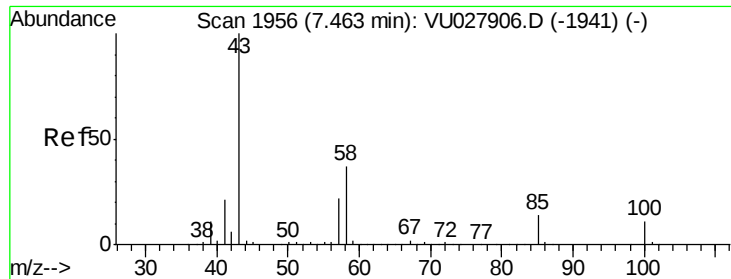
MMDadoda
11/12/2018 12:02:23 PM



#50
Toluene-d8
Concen: 56.234 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.6	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 118.821 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1315182

Ion Ratio Lower Upper

43 100

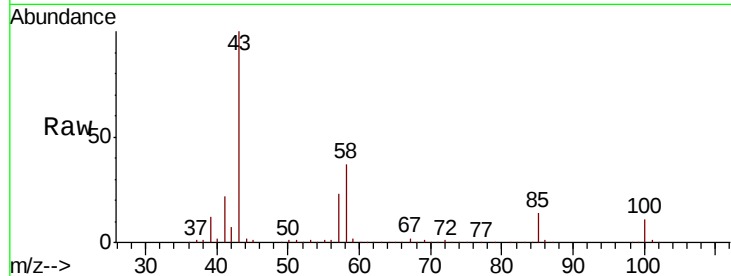
58 37.4 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

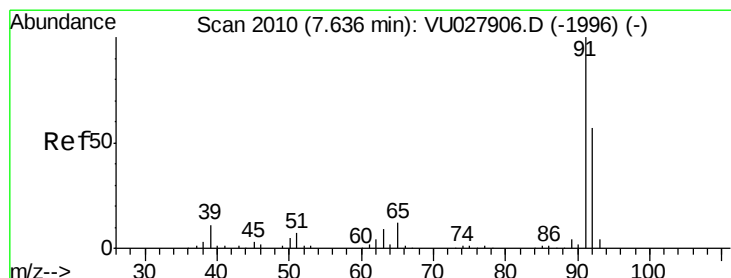
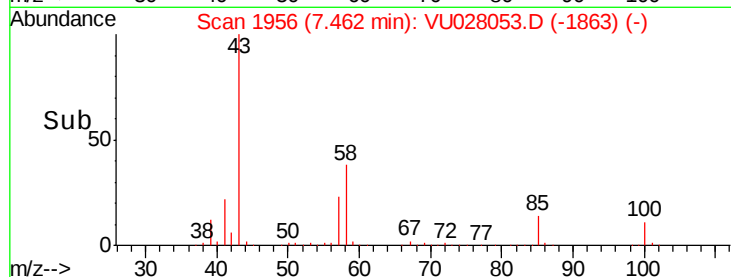
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 23.868 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028053.D

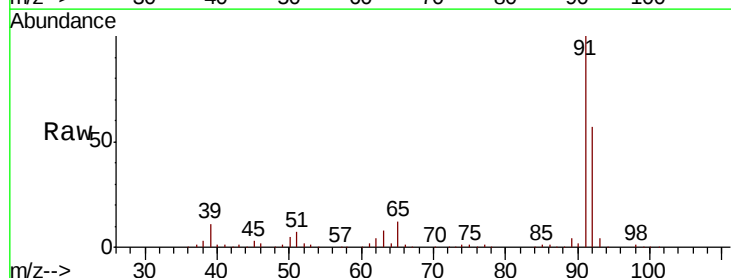
Acq: 09 Nov 2018 18:34

Tgt Ion: 92 Resp: 309738

Ion Ratio Lower Upper

92 100

91 174.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

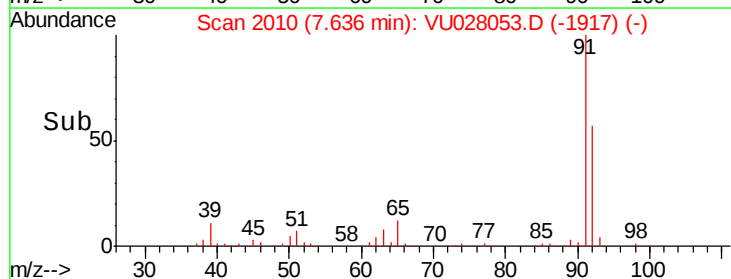
300000

200000

100000

0

Time-->





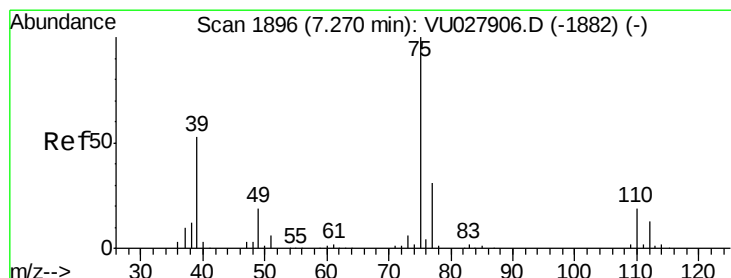
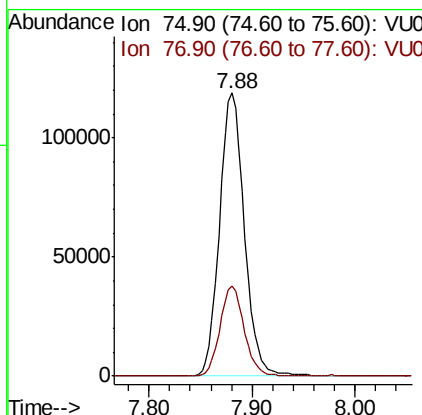
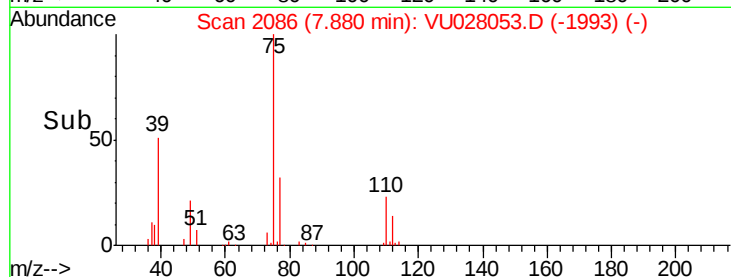
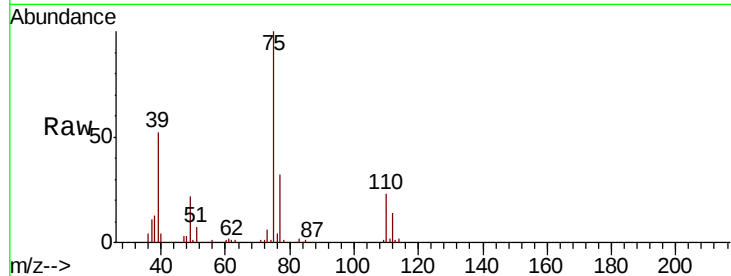
#53
t-1,3-Dichloropropene
Concen: 23.343 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7

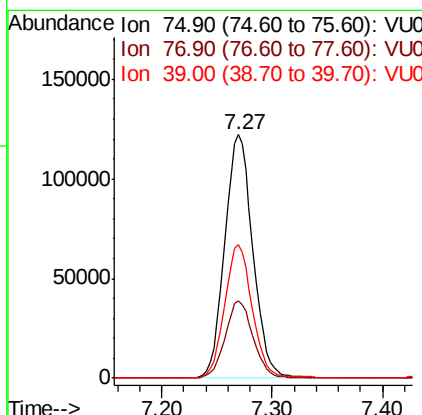
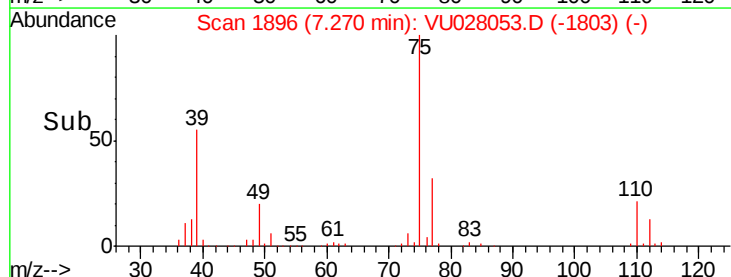
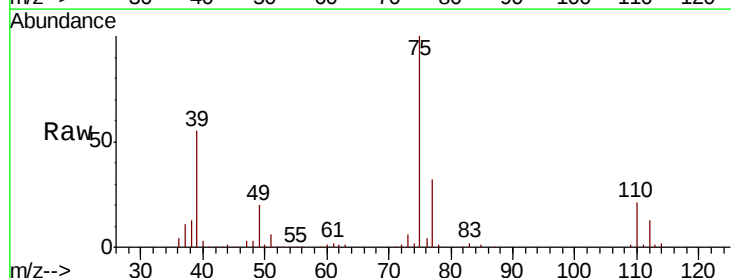
Manual Integrations
APPROVED

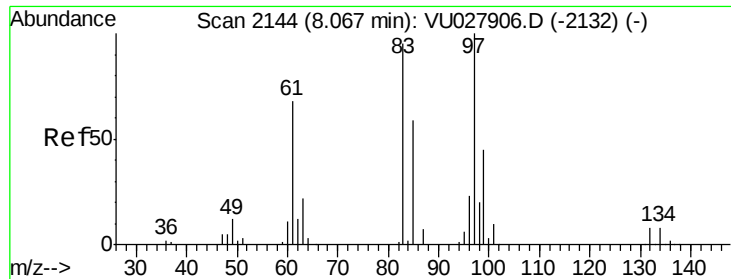
MMDadoda
11/12/2018 12:02:23 PM



#54
cis-1,3-Dichloropropene
Concen: 24.759 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	37.0
39	54.9	42.6	64.0





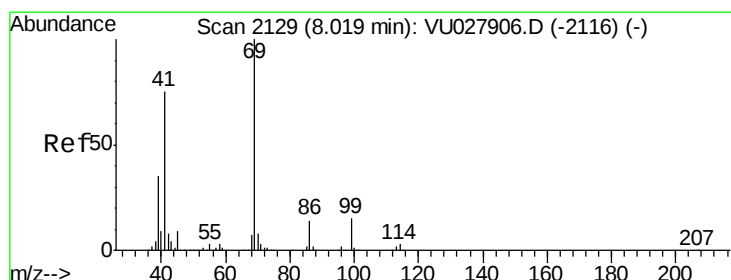
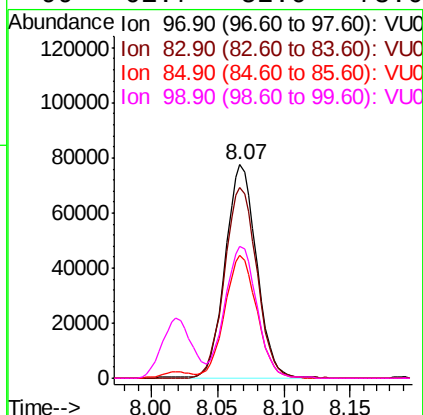
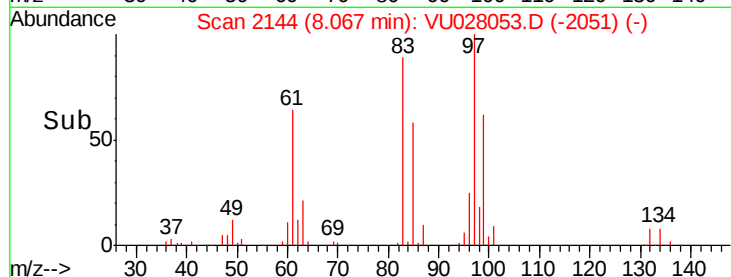
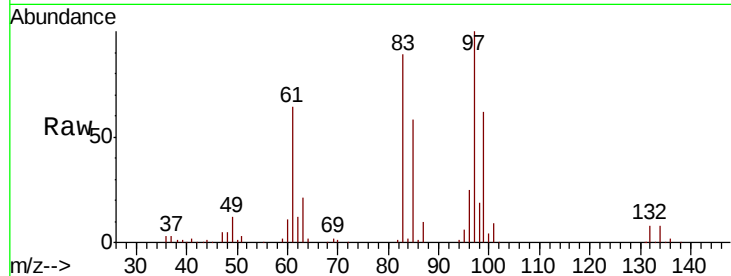
#55
 1,1,2-Trichloroethane
 Concen: 24.181 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127669		
83	89.1	76.1	114.1		
85	57.5	48.9	73.3		
99	61.7	52.0	78.0		

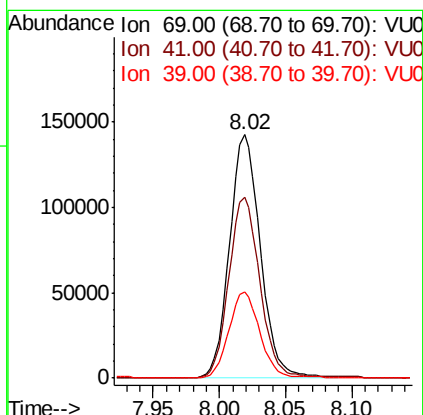
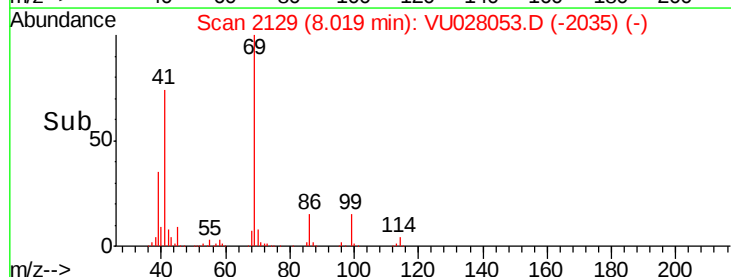
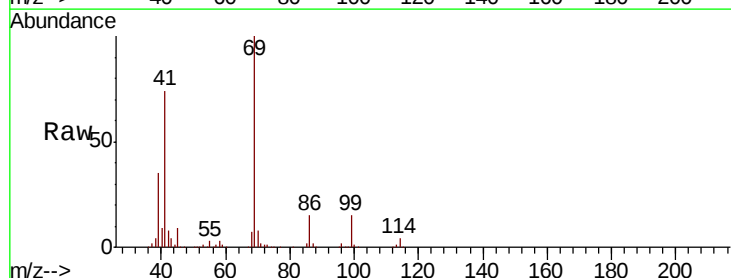
Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:02:23 PM



#56
 Ethyl methacrylate
 Concen: 24.762 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230550		
41	74.7	59.8	89.6		
39	35.3	28.6	42.8		





#57

1,3-Dichloropropane

Concen: 24.104 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tot Ion: 76 Resp: 231823

Ion Ratio Lower Upper

76 100

78 31.9 25.3 37.9

Instrument :

MSVOA_U

ClientSampleId :

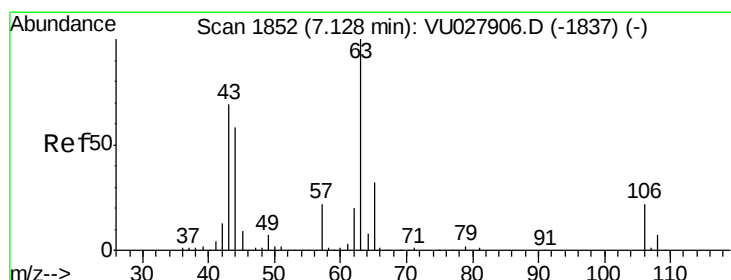
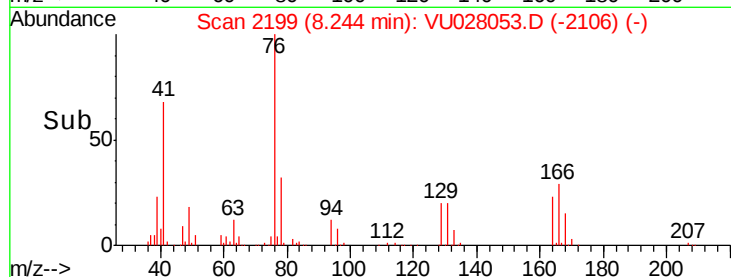
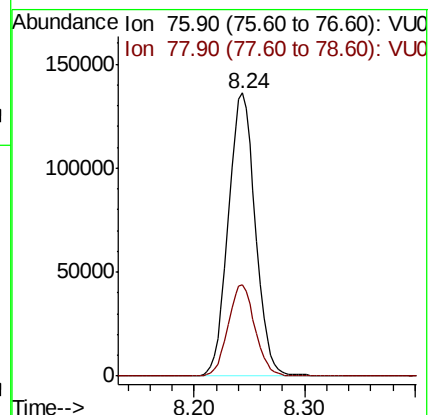
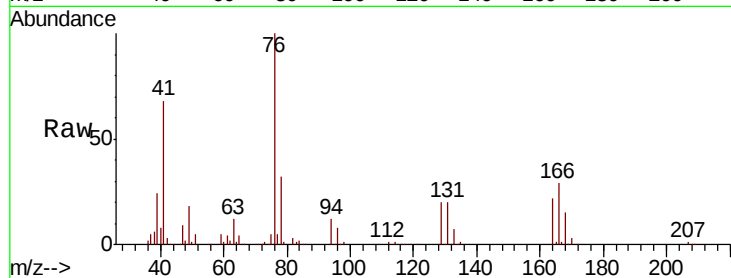
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 125.931 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028053.D

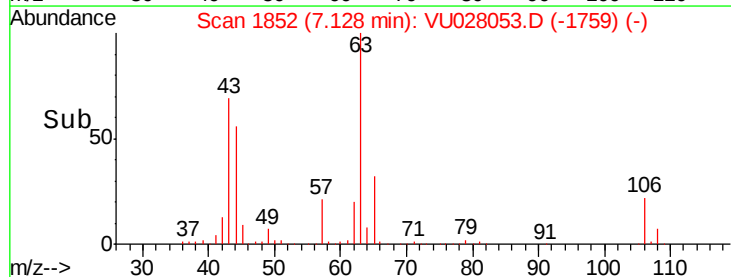
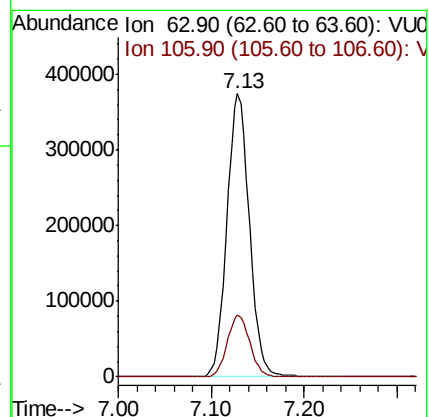
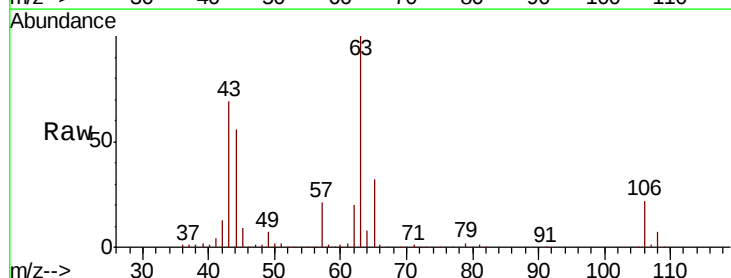
Acq: 09 Nov 2018 18:34

Tgt Ion: 63 Resp: 627969

Ion Ratio Lower Upper

63 100

106 22.0 17.8 26.6





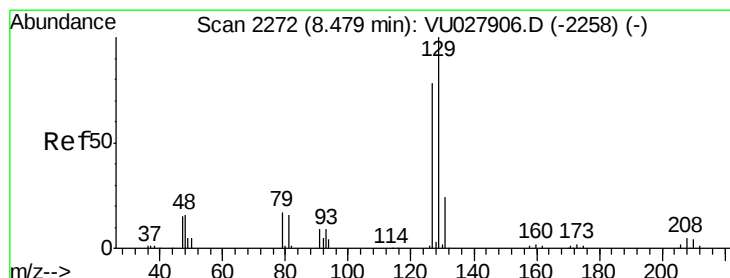
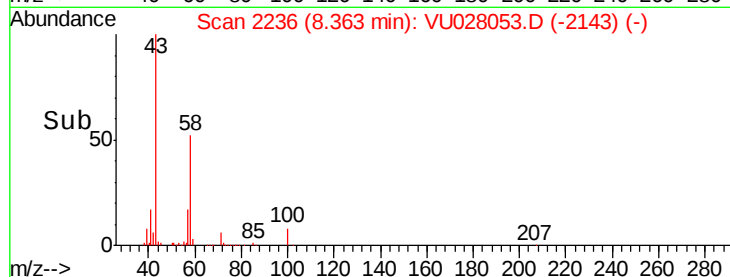
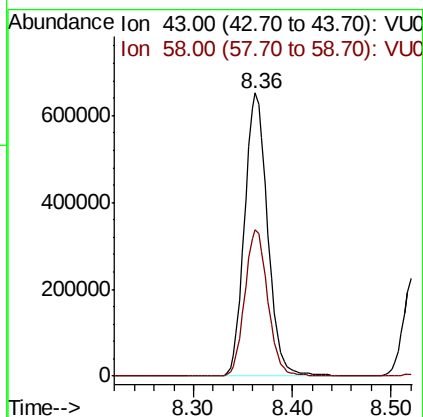
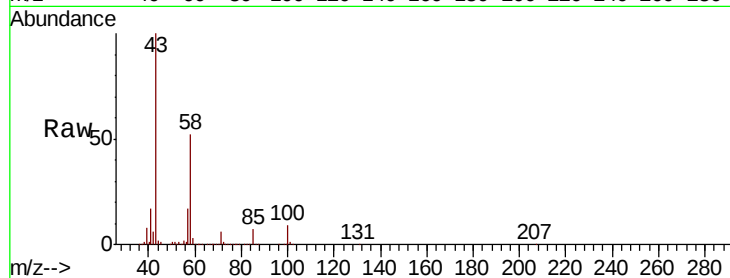
#59
2-Hexanone
Concen: 122.659 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1050058
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

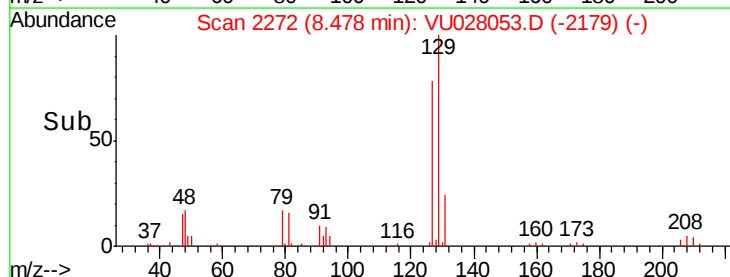
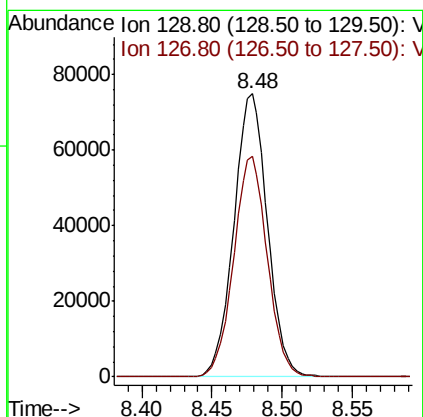
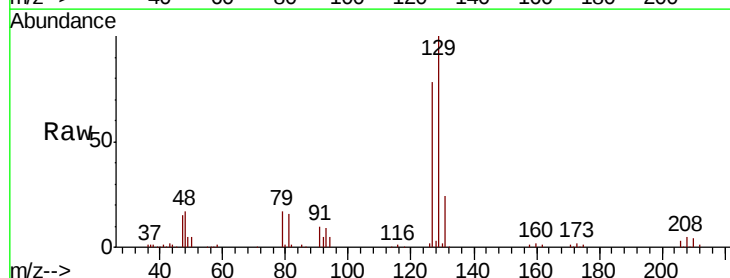
Manual Integrations
APPROVED

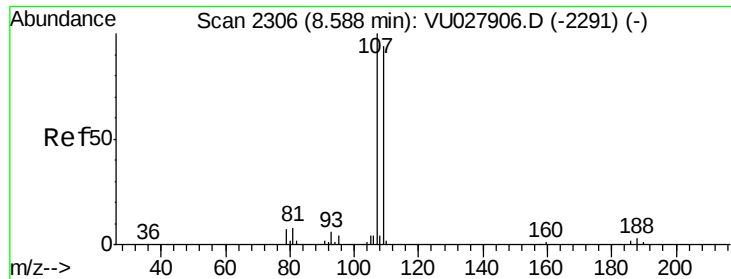
MMDadoda
11/12/2018 12:02:23 PM



#60
Dibromochloromethane
Concen: 25.023 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 129 Resp: 125019
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





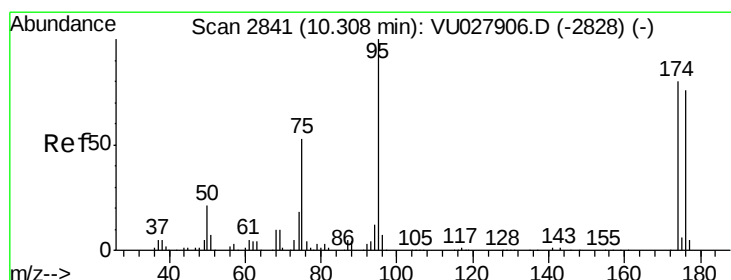
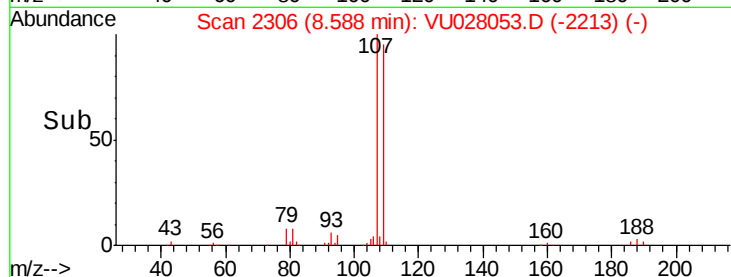
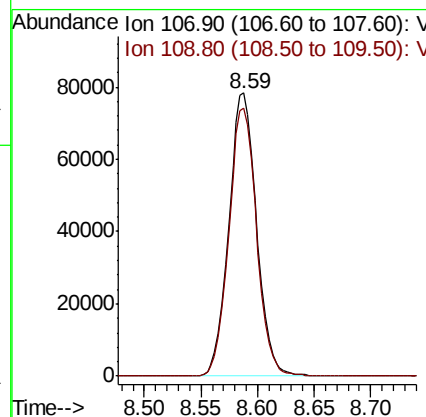
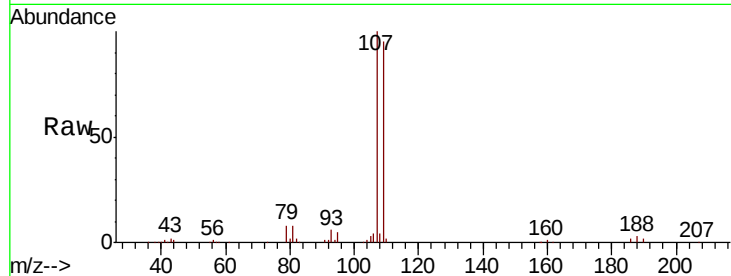
#61
 1,2-Dibromoethane
 Concen: 23.814 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	73.8	110.8

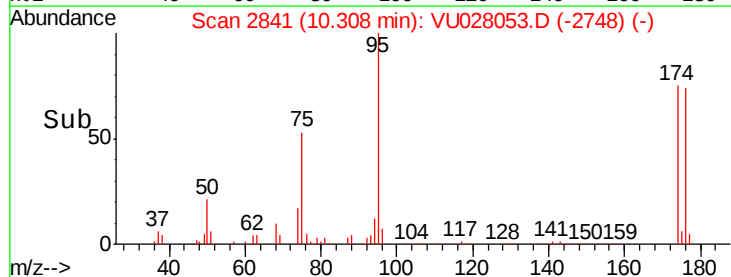
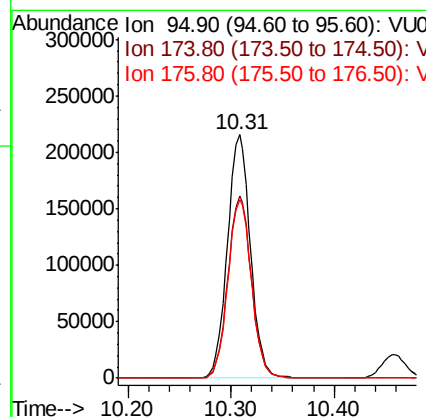
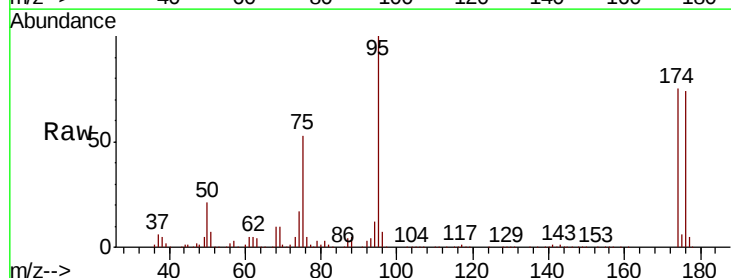
Manual Integrations
 APPROVED

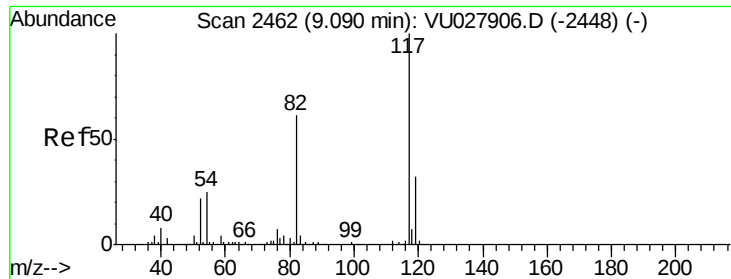
MMDadoda
 11/12/2018 12:02:23 PM



#62
 4-Bromofluorobenzene
 Concen: 54.020 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	156.4
176	74.9	0.0	150.8





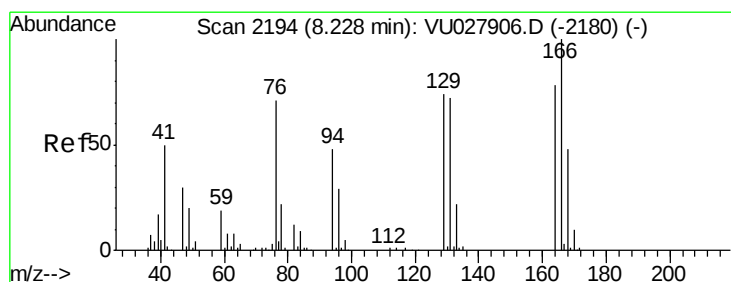
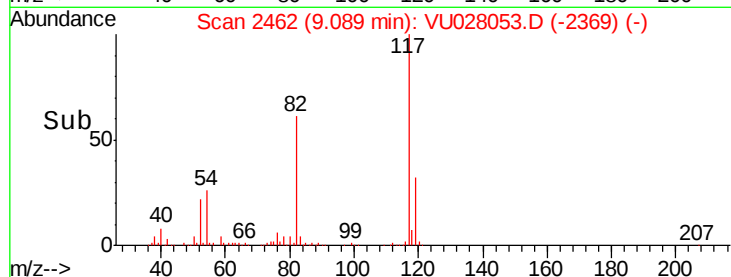
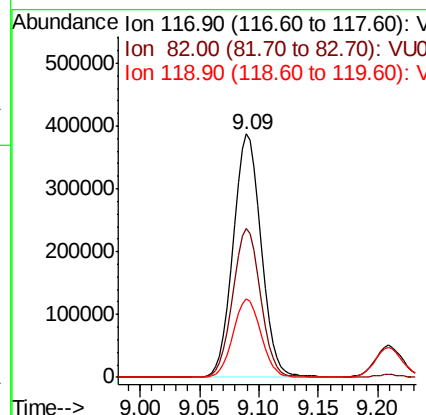
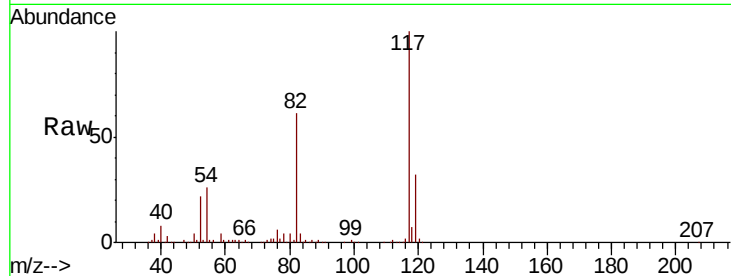
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	73.0
119	32.2	25.8	38.8

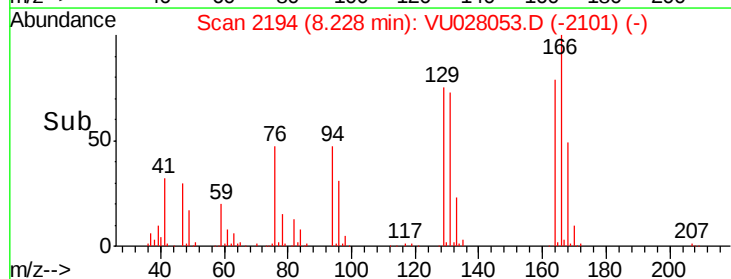
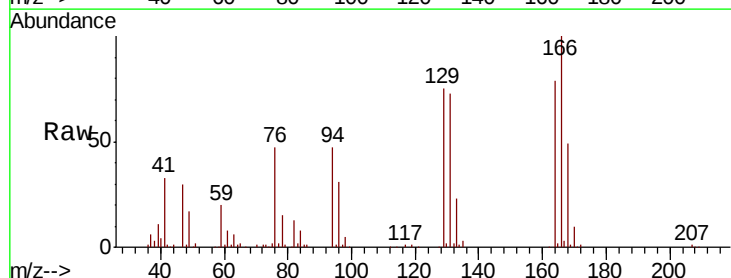
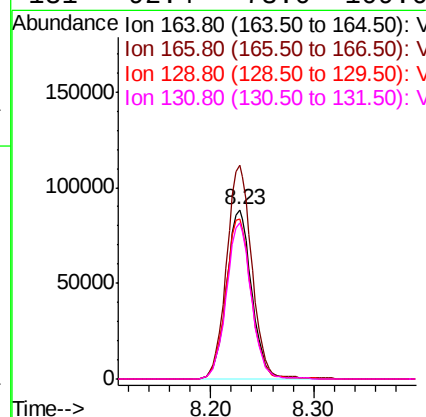
Manual Integrations
APPROVED

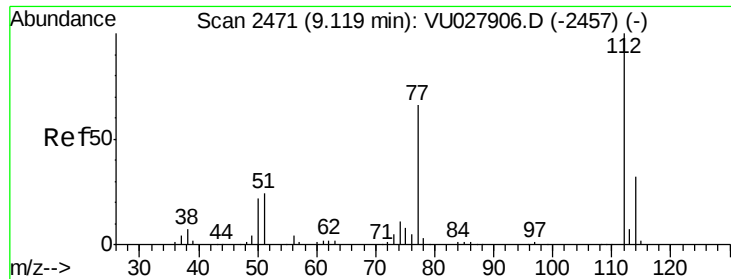
MMDadoda
11/12/2018 12:02:23 PM



#64
Tetrachloroethene
Concen: 36.471 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.1	153.1
129	94.5	75.9	113.9
131	92.4	73.0	109.6





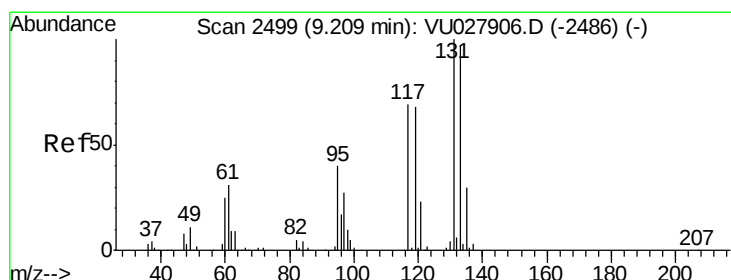
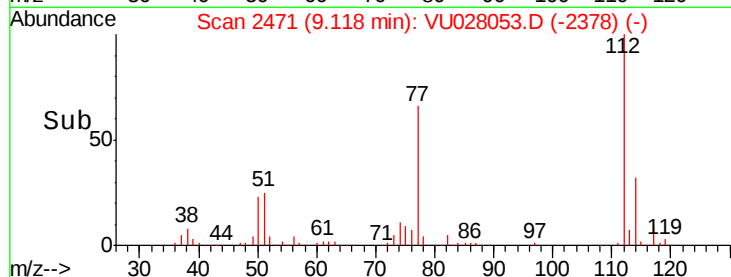
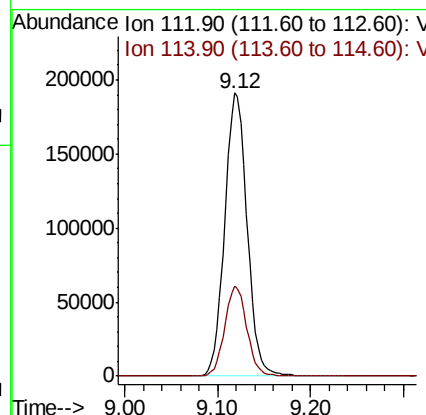
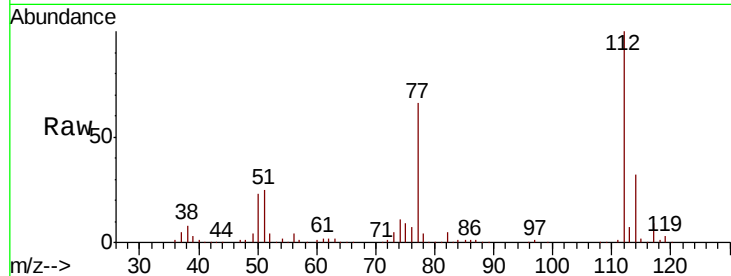
#65
Chlorobenzene
Concen: 23.963 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 320807
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8

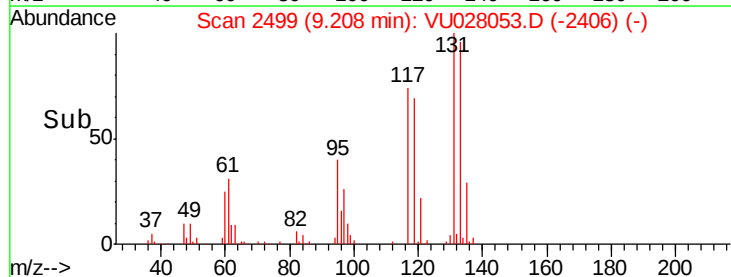
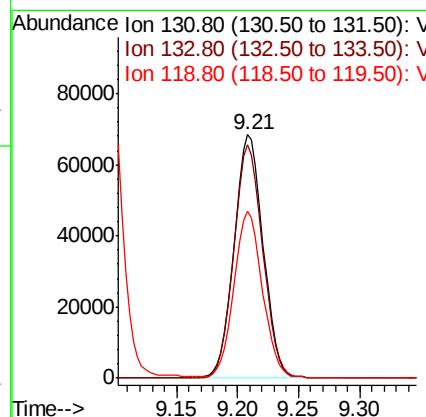
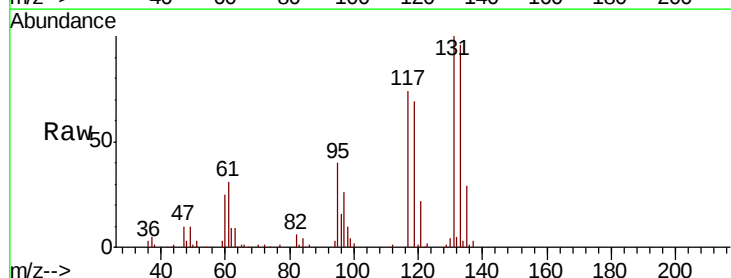
Manual Integrations
APPROVED

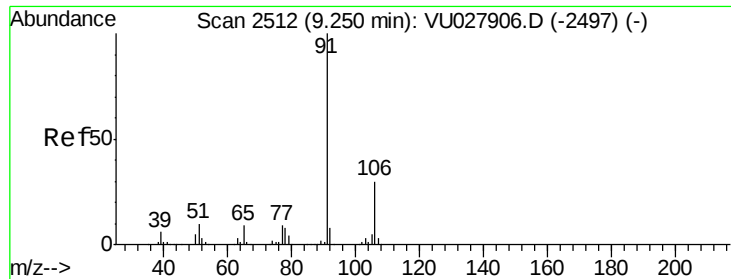
MMDadoda
11/12/2018 12:02:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.802 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:131 Resp: 113414
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 67.9 34.0 101.8





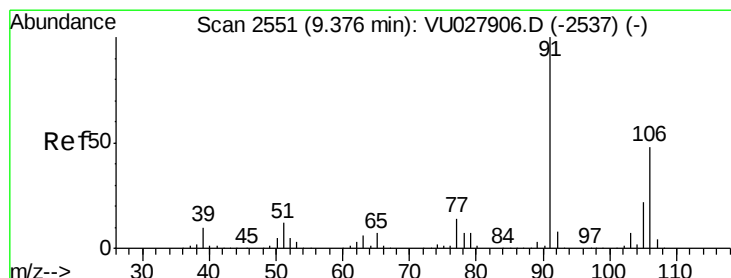
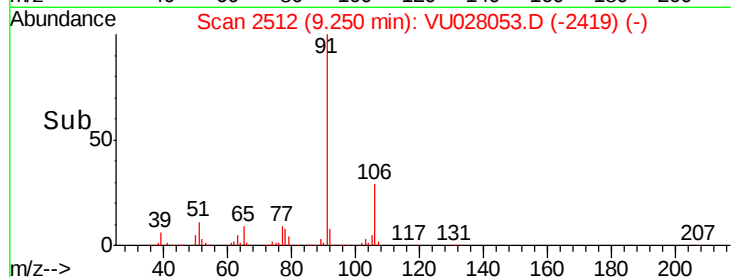
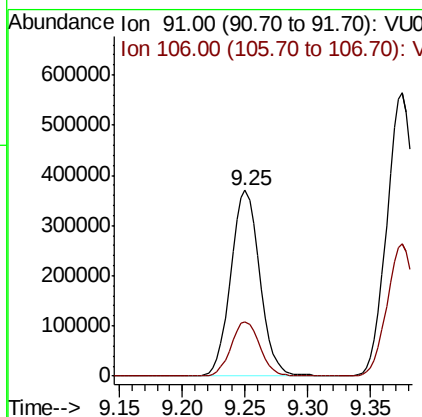
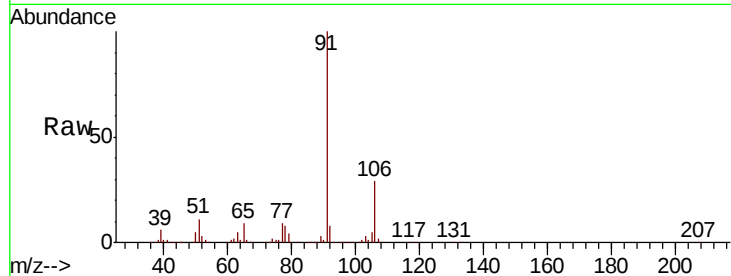
#67
Ethyl Benzene
Concen: 24.249 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	91	Resp	597562
Ion Ratio	100	Lower	Upper
106	29.4	23.6	35.4

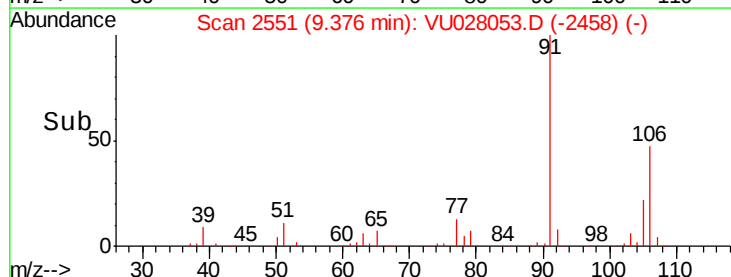
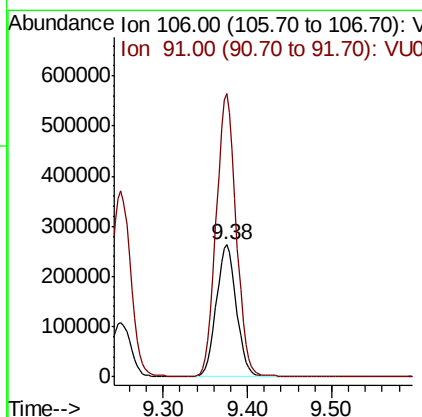
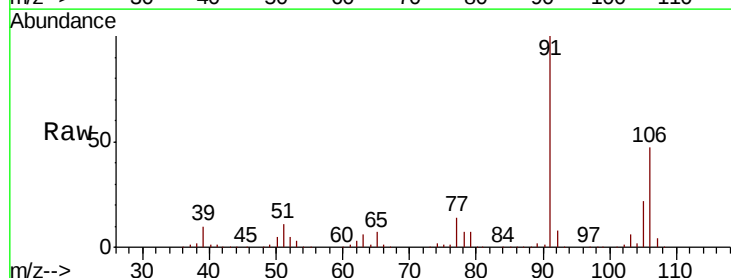
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#68
m/p-Xylenes
Concen: 48.745 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	106	Resp	435847
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	214.0	168.2	252.4





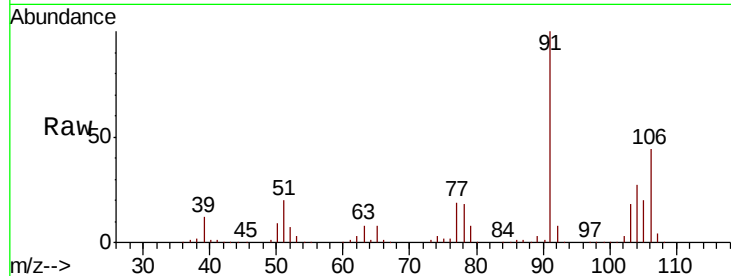
#69
o-Xylene
Concen: 24.178 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

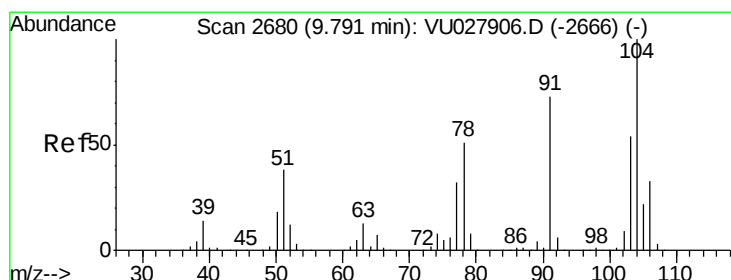
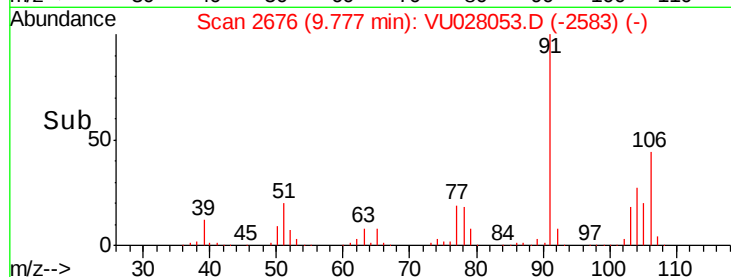
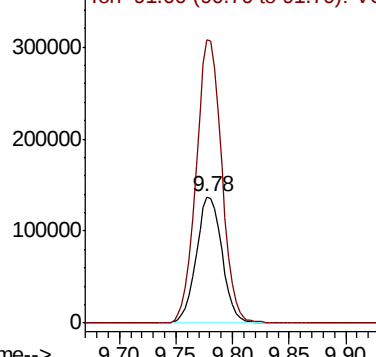
Tot Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM

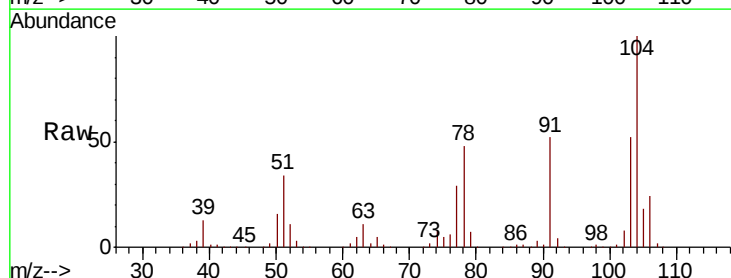


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

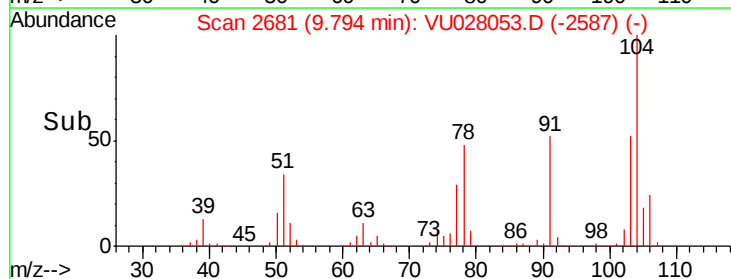
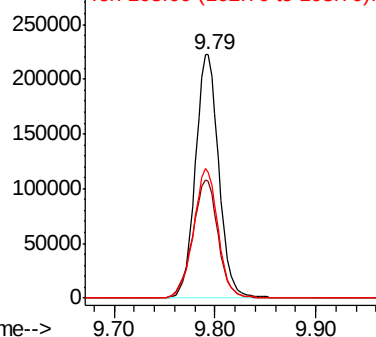


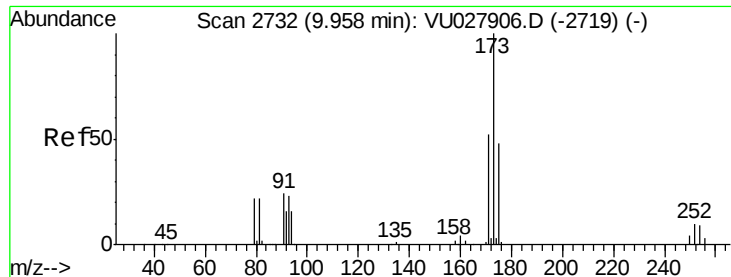
#70
Styrene
Concen: 25.083 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.0	64.4
103	55.7	45.1	67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 25.058 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 96032

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

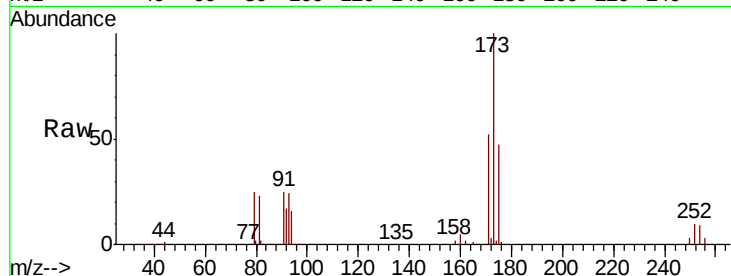
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM

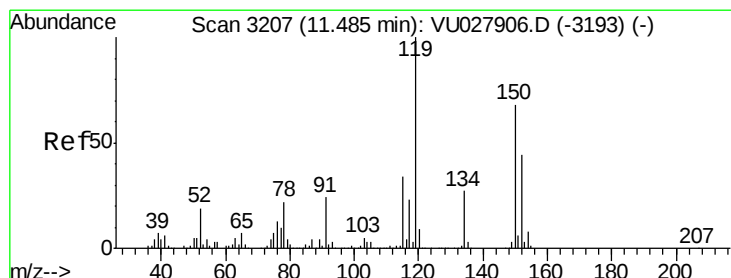
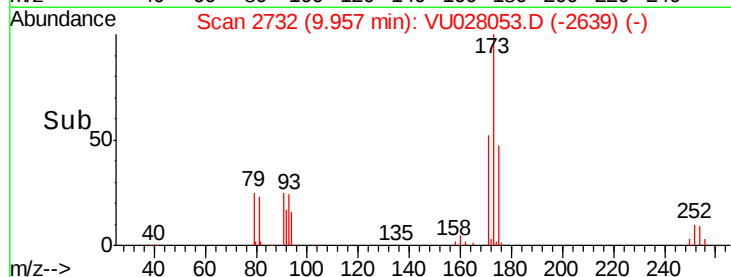
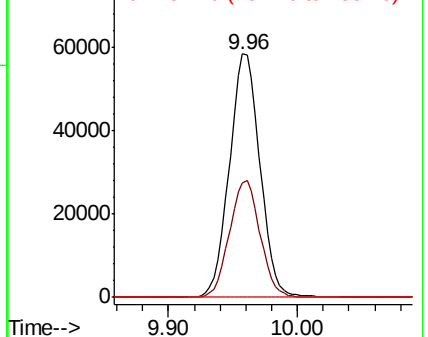


Abundance

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: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

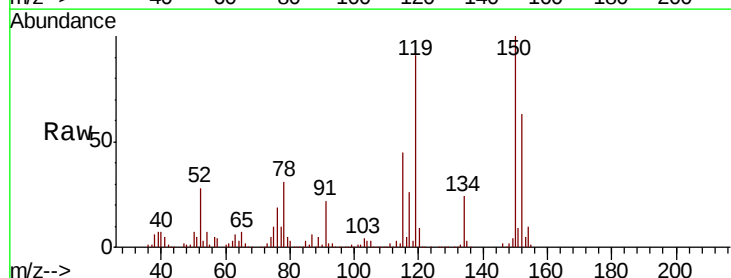
Tgt Ion:152 Resp: 297919

Ion Ratio Lower Upper

152 100

115 72.8 43.0 129.0

150 166.0 0.0 349.4

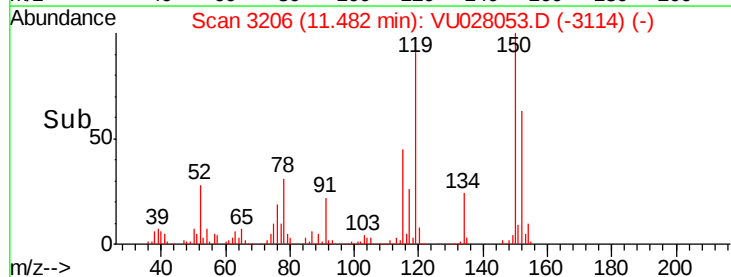
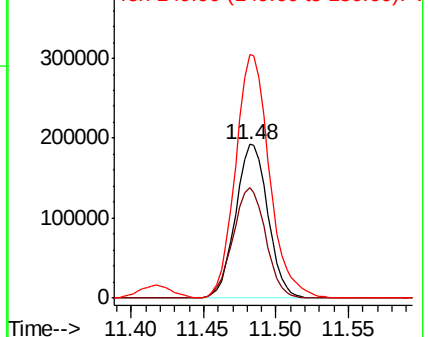


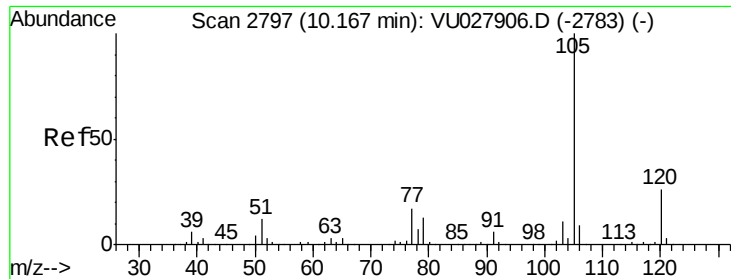
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





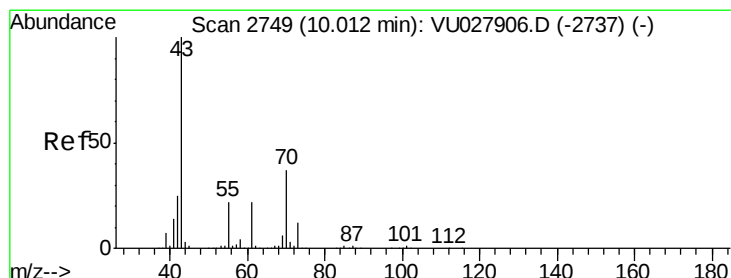
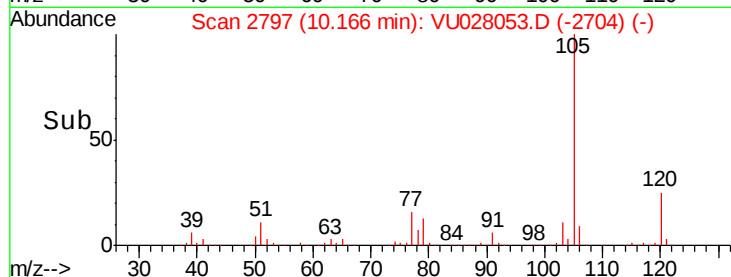
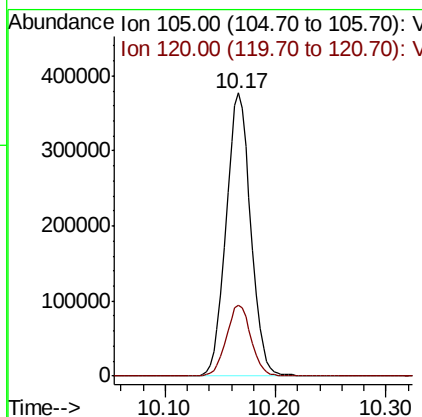
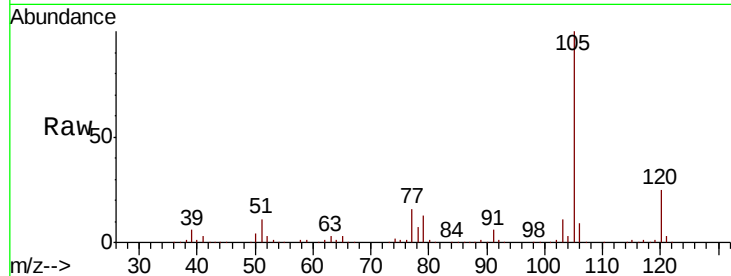
#73
Isopropylbenzene
Concen: 25.289 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0

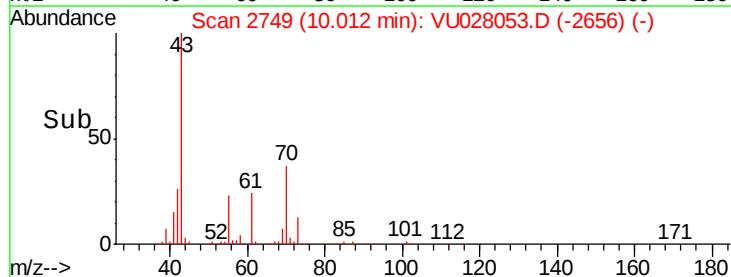
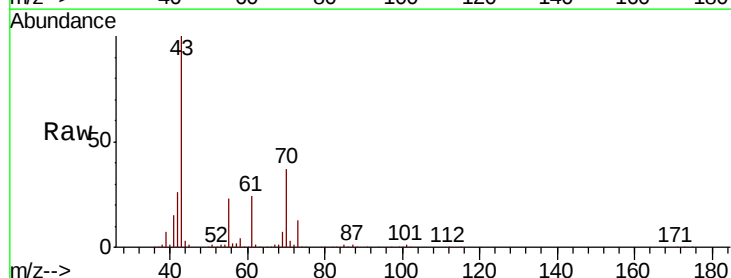
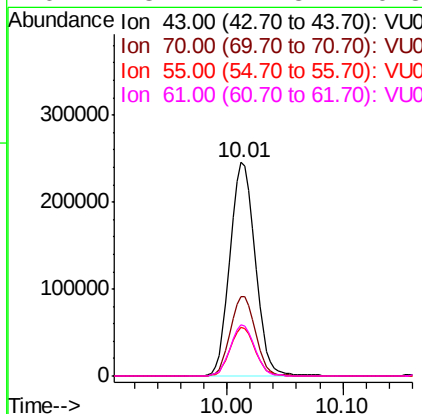
Manual Integrations
APPROVED

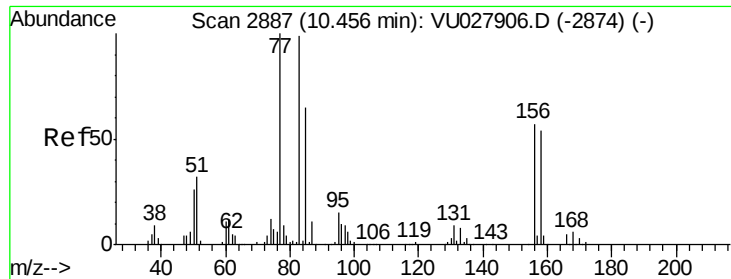
MMDadoda
11/12/2018 12:02:23 PM



#74
N-ethyl acetate
Concen: 26.394 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.2	43.8
55	22.5	17.8	26.6
61	23.1	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 25.701 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 239268

Ion Ratio Lower Upper

83 100

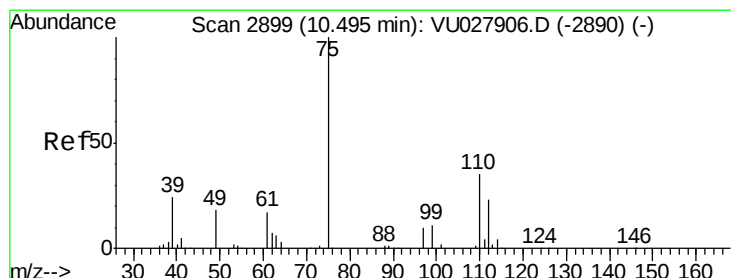
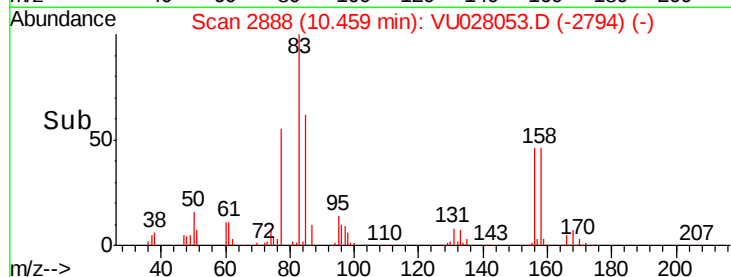
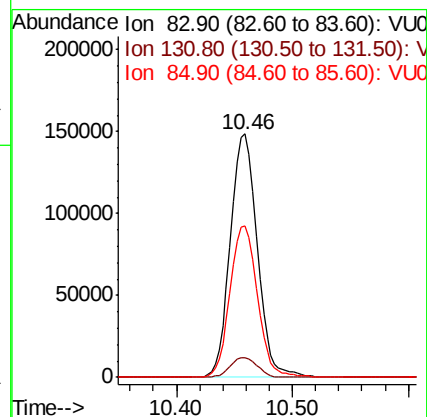
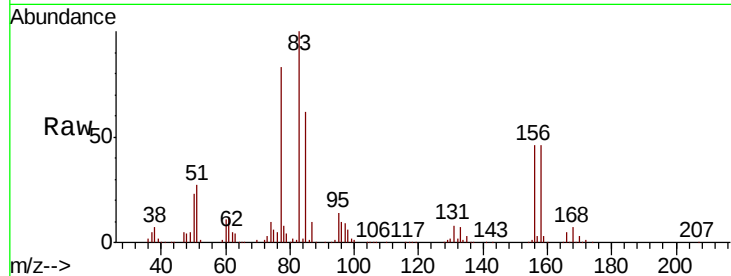
131 8.2 4.3 13.1

85 63.4 32.4 97.2

Manual Integrations
APPROVED

MMDadoda

11/12/2018 12:02:23 PM



#76

1,2,3-Trichloropropane

Concen: 24.371 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028053.D

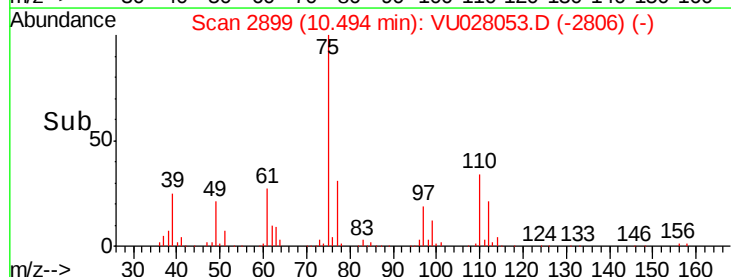
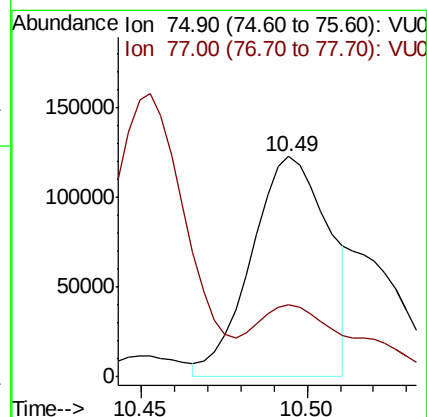
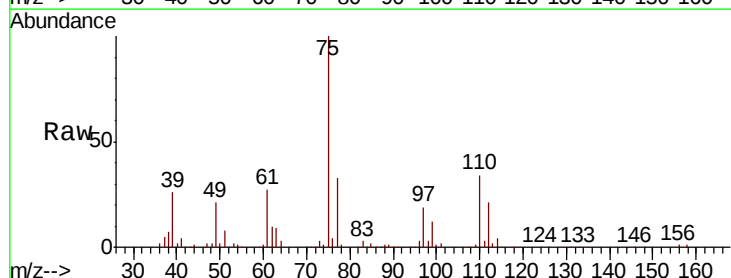
Acq: 09 Nov 2018 18:34

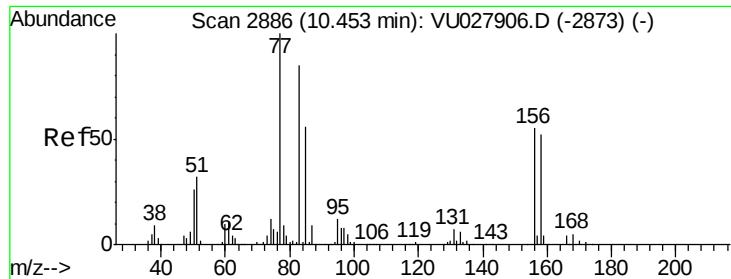
Tgt Ion: 75 Resp: 198601

Ion Ratio Lower Upper

75 100

77 44.1 21.6 64.6





#77

Bromobenzene

Concen: 25.565 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

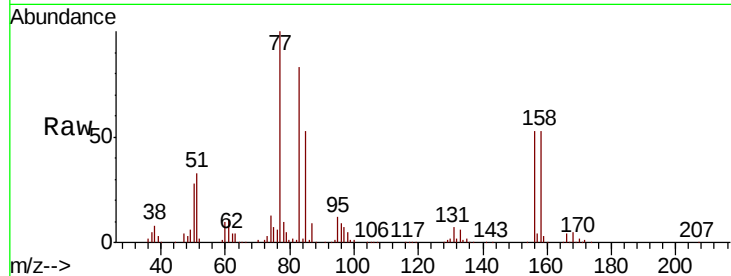
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	135293
Ion Ratio	Lower	Upper	
156	100		
77	186.1	91.8	275.6
158	99.1	48.4	145.2

Manual Integrations
APPROVED

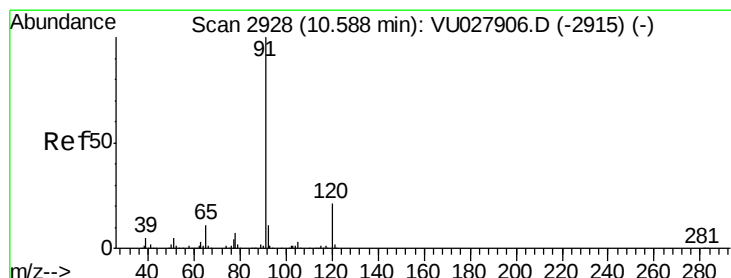
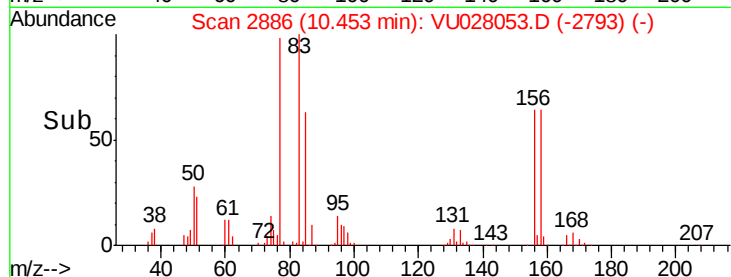
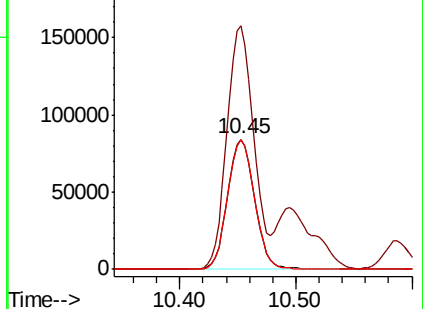
MMDadoda
11/12/2018 12:02:23 PM



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: 25.695 ug/l

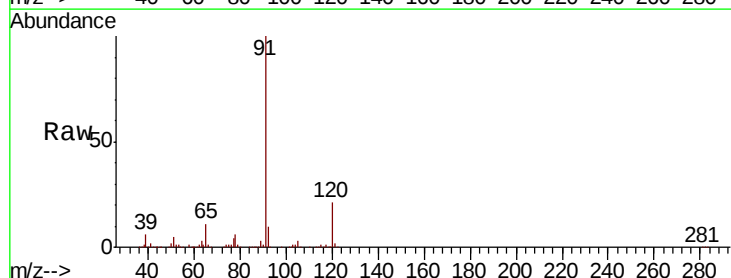
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028053.D

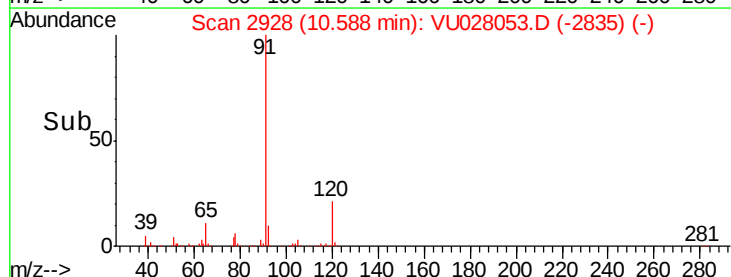
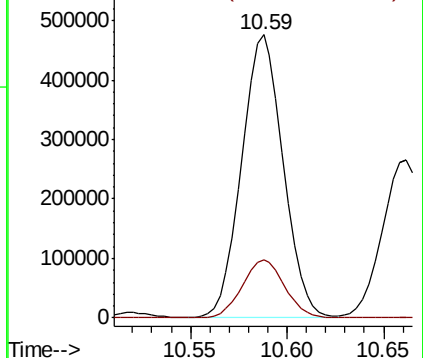
Acq: 09 Nov 2018 18:34

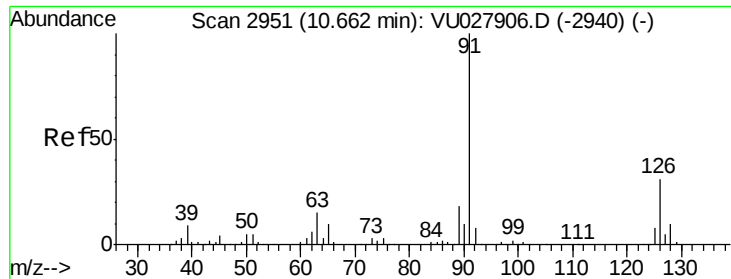
Tgt Ion:	91	Resp:	709840
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 25.183 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 417016

Ion Ratio Lower Upper

91 100

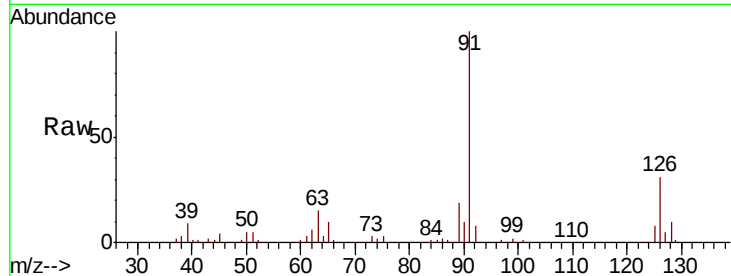
126 31.6 16.0 47.9

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

500000

400000

300000

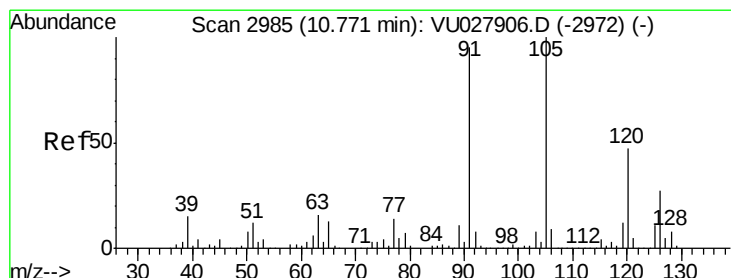
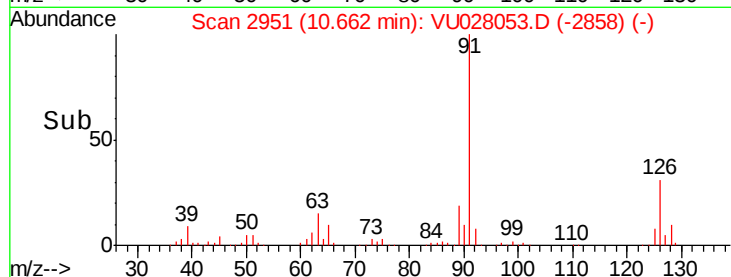
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 25.788 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028053.D

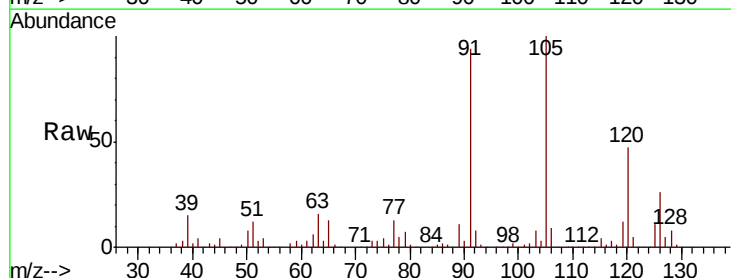
Acq: 09 Nov 2018 18:34

Tgt Ion: 105 Resp: 493044

Ion Ratio Lower Upper

105 100

120 46.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

300000

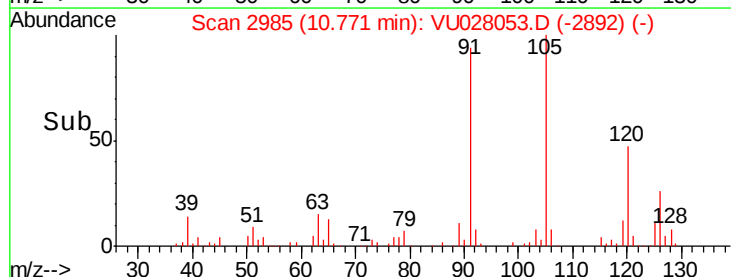
200000

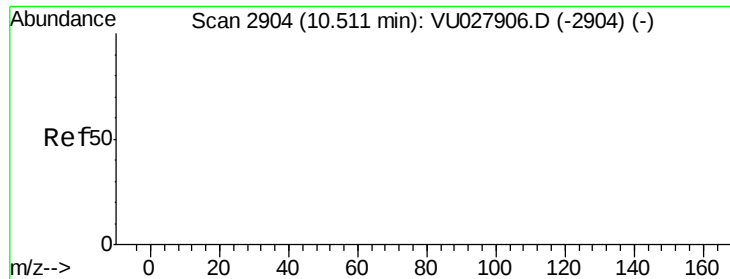
100000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 24.454 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 79372

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

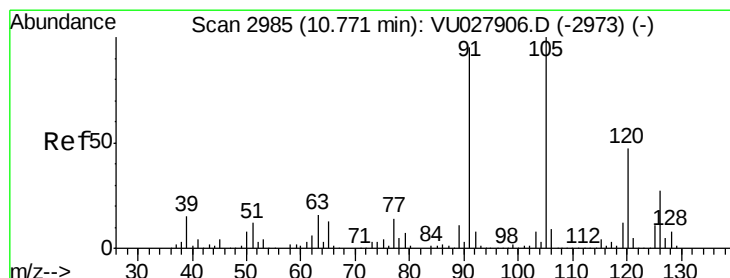
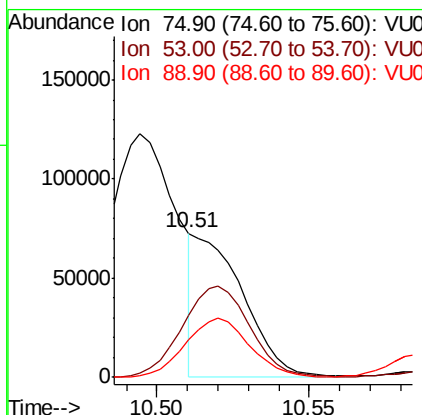
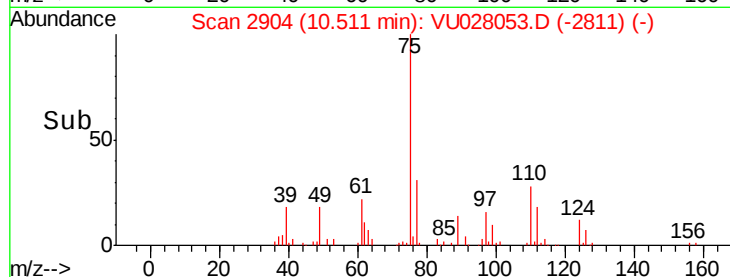
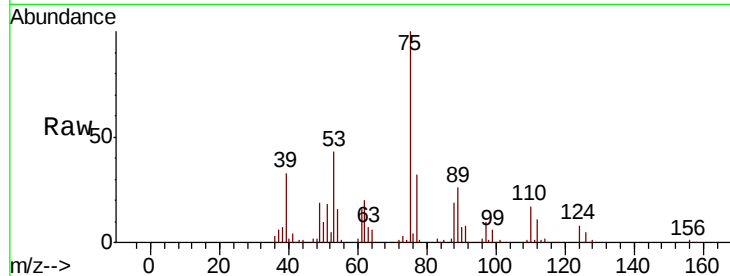
89 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:02:23 PM



#82

4-Chlorotoluene

Concen: 25.251 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028053.D

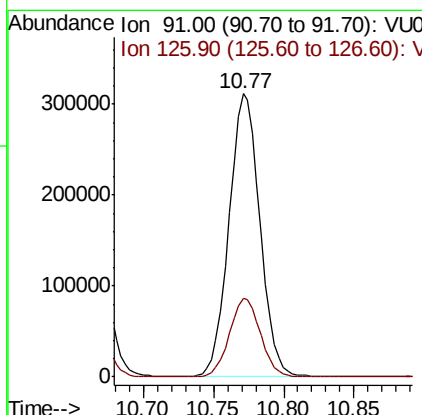
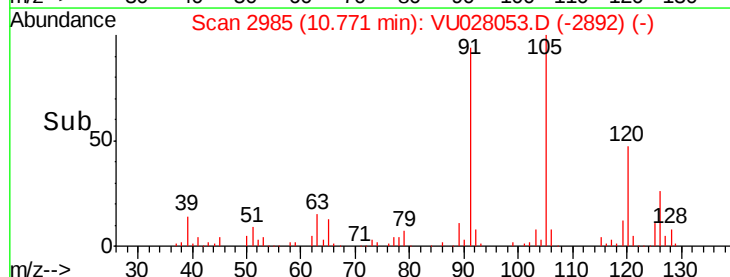
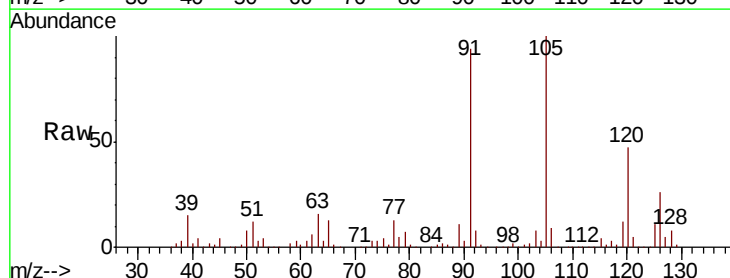
Acq: 09 Nov 2018 18:34

Tgt Ion: 91 Resp: 474706

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6





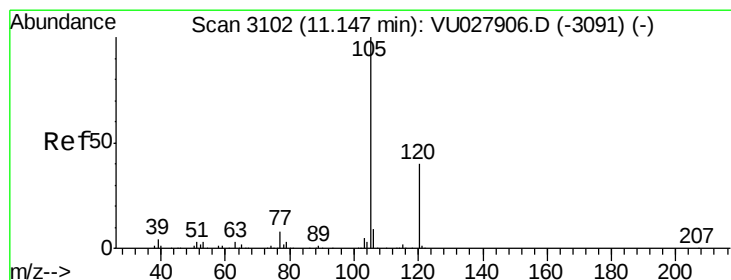
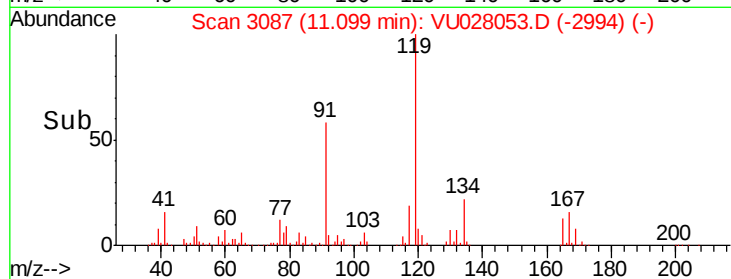
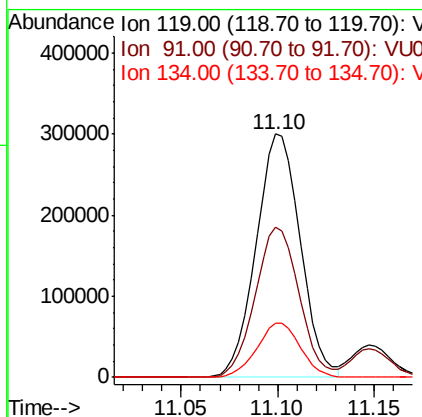
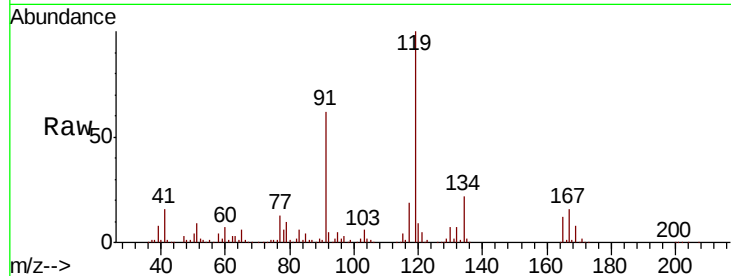
#83
 tert-Butylbenzene
 Concen: 24.961 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	29.8	89.3
134	21.9	11.1	33.1

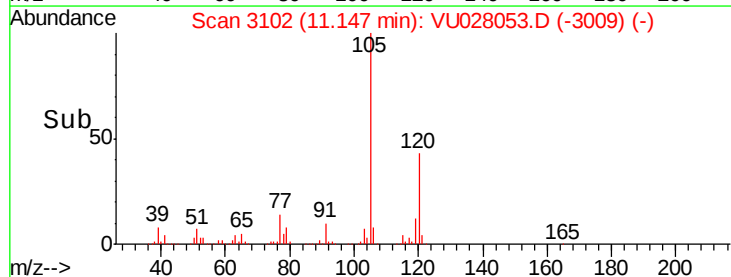
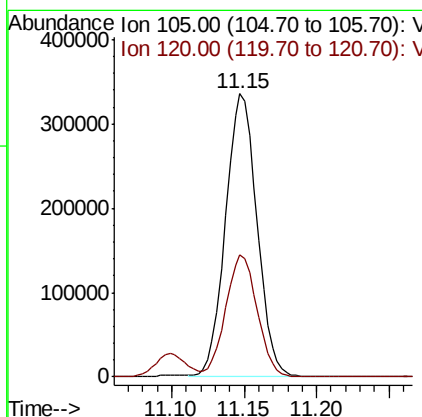
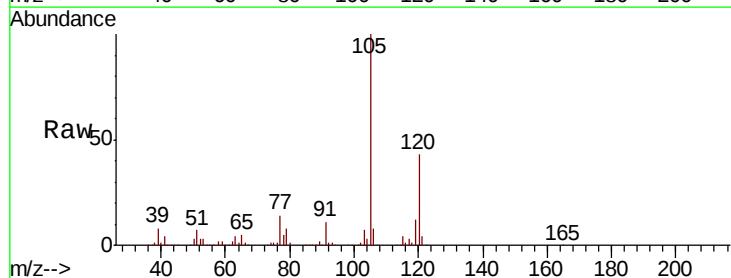
Manual Integrations
 APPROVED

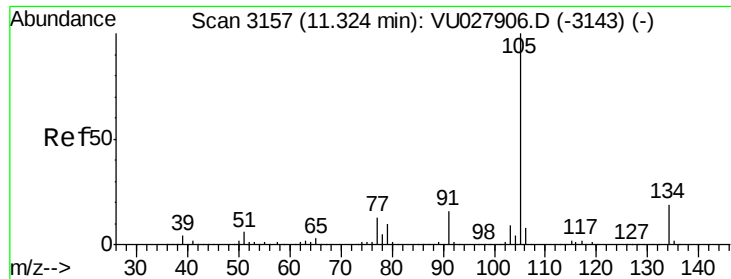
MMDadoda
 11/12/2018 12:02:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 26.157 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1





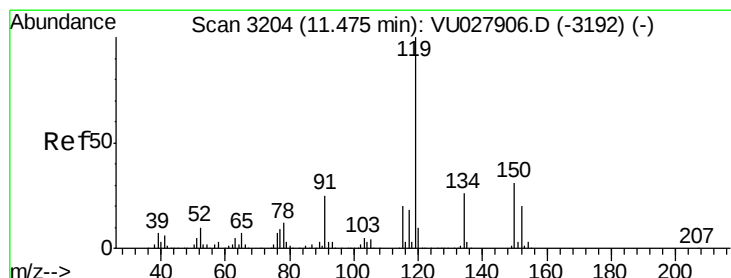
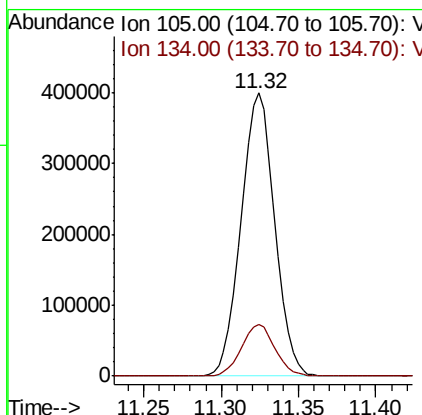
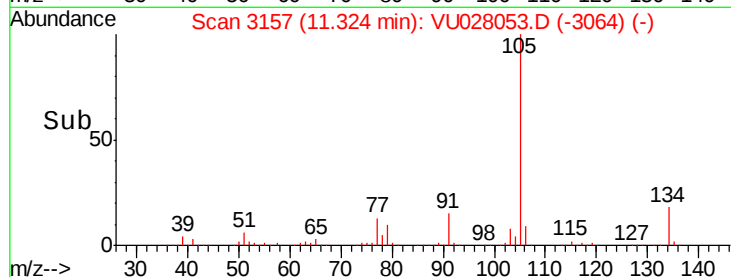
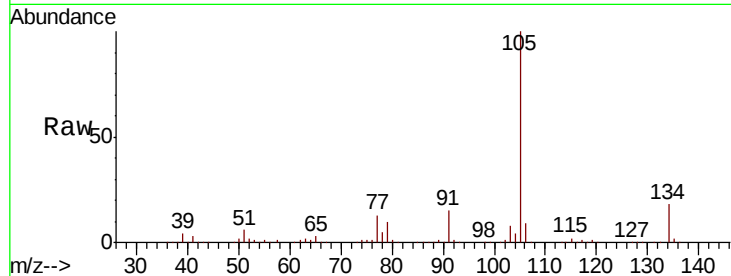
#85
 sec-Butylbenzene
 Concen: 26.022 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.2	27.6

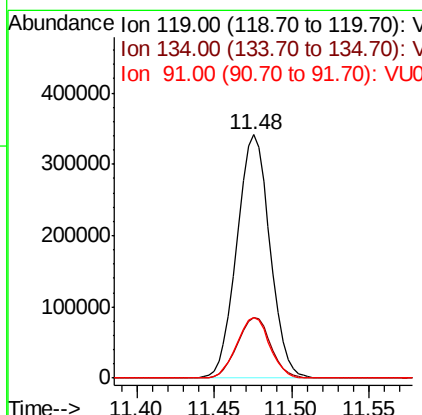
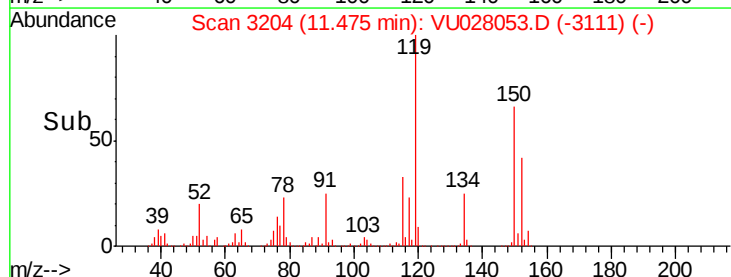
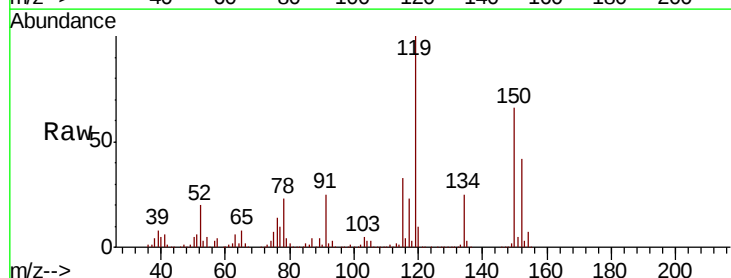
Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:02:23 PM



#86
 p-Isopropyltoluene
 Concen: 25.997 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	24.9	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 25.243 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

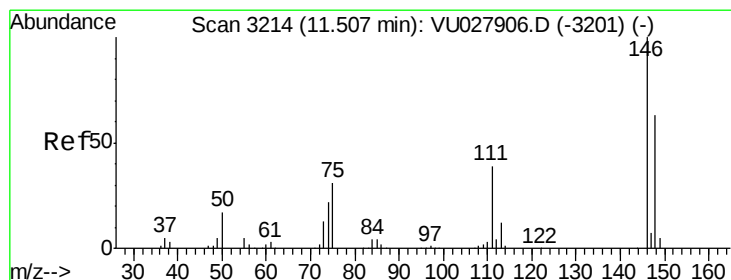
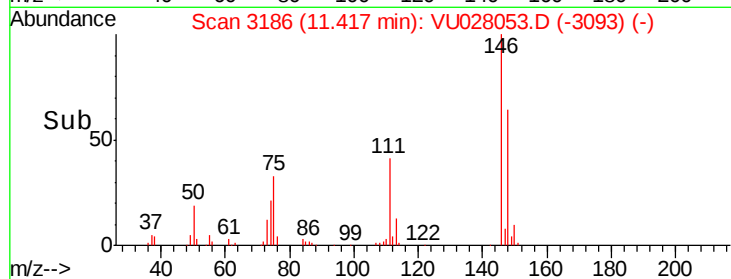
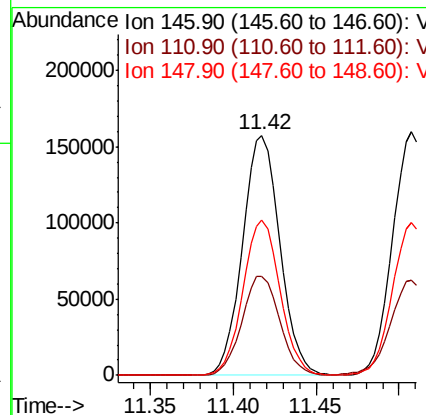
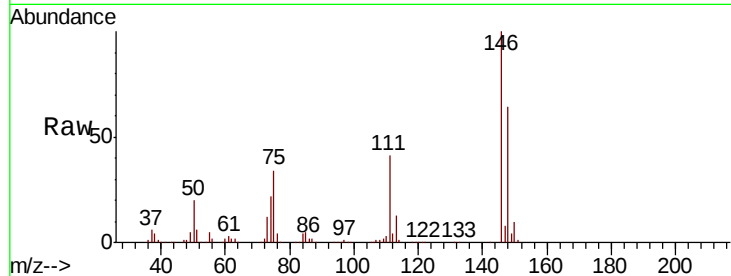
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.1	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM



#88

1,4-Dichlorobenzene

Concen: 24.961 ug/l

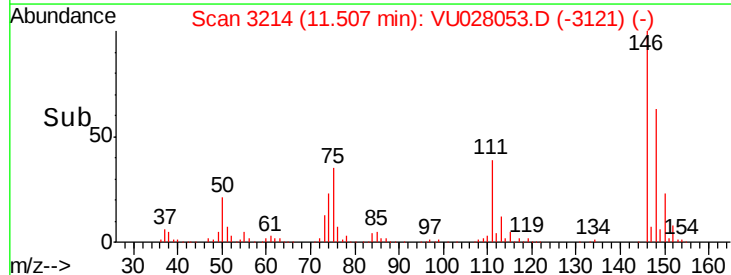
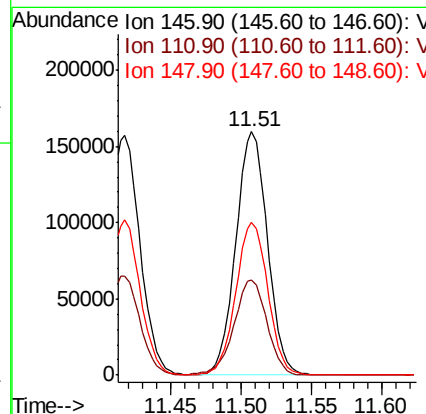
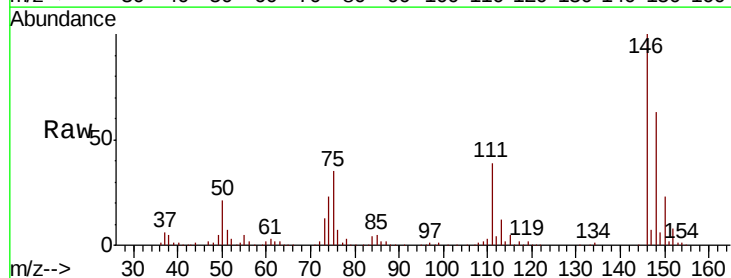
RT: 11.51 min Scan# 3214

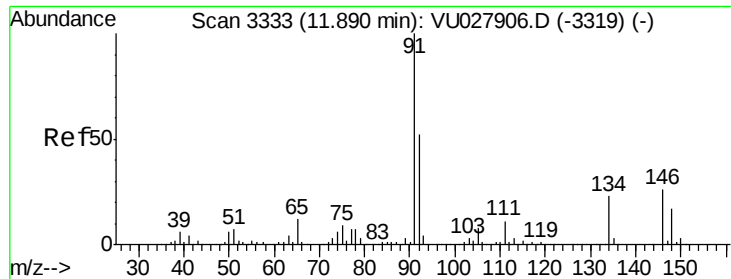
Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.9
148	63.6	32.0	96.2





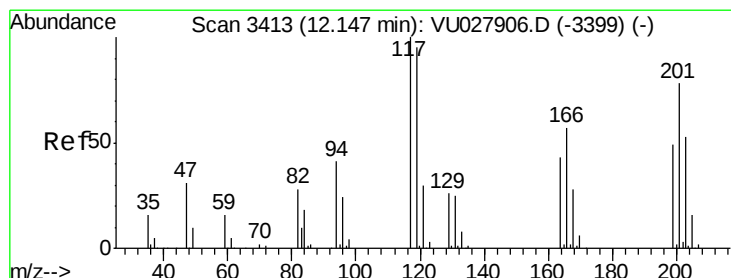
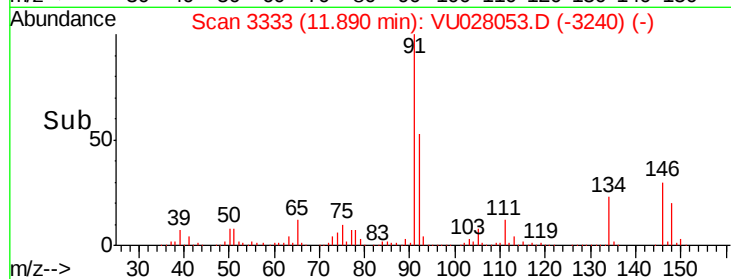
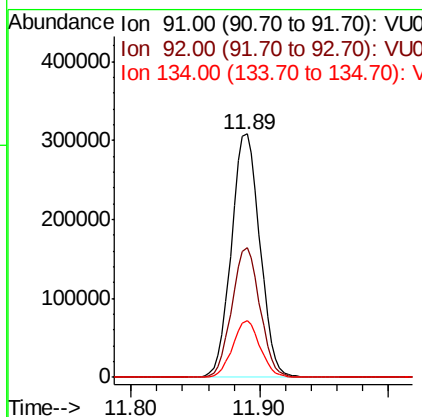
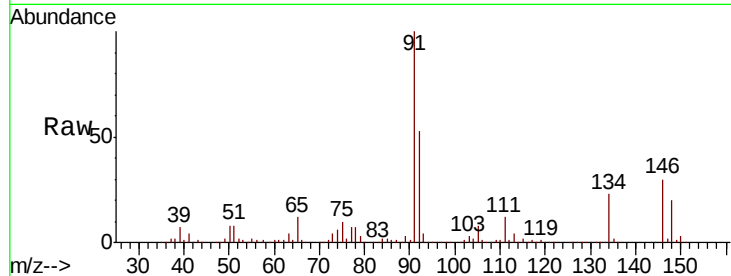
#89
n-Butylbenzene
Concen: 25.648 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	22.5	11.5	34.5

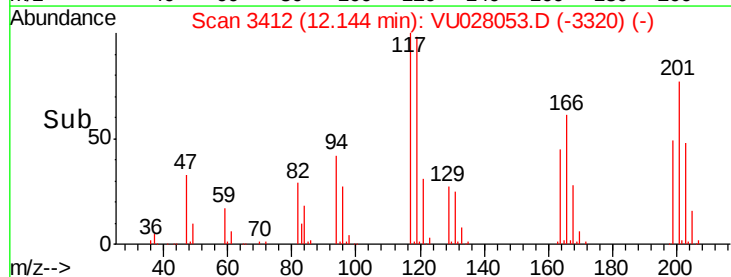
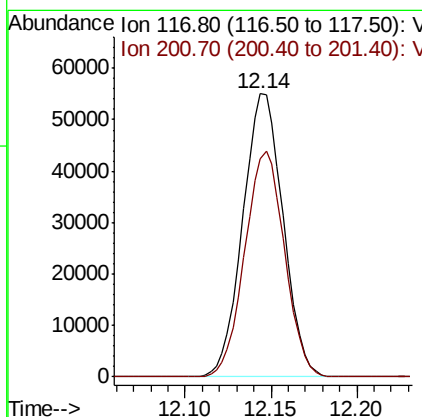
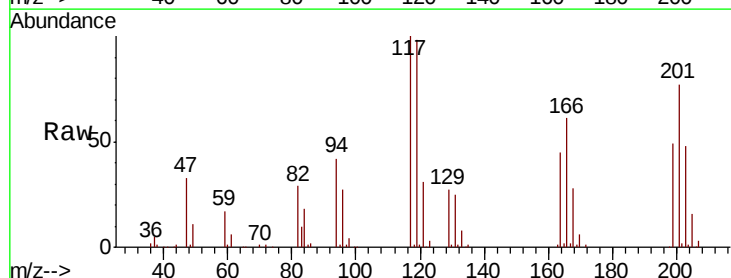
Manual Integrations
APPROVED

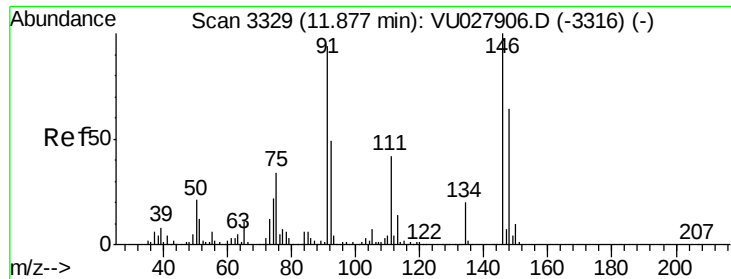
MMDadoda
11/12/2018 12:02:23 PM



#90
Hexachloroethane
Concen: 25.827 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.5	115.5





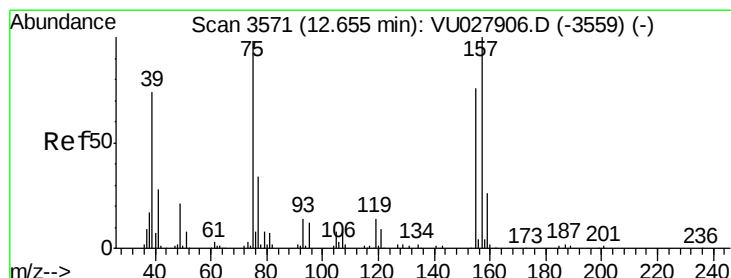
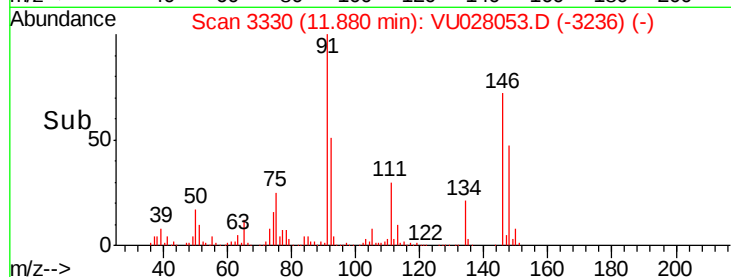
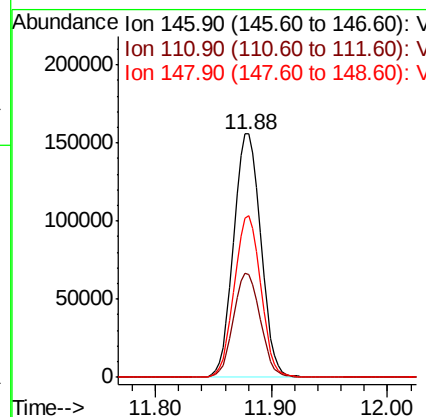
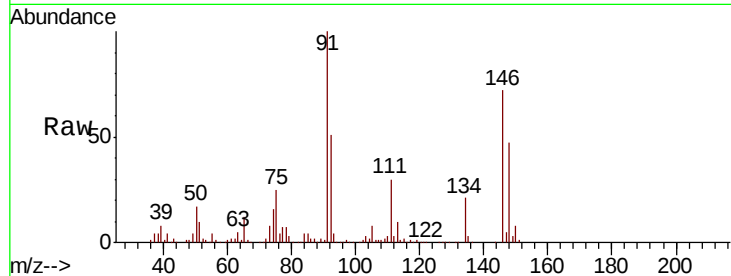
#91
 1,2-Dichlorobenzene
 Concen: 25.595 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	64.7	31.8	95.3

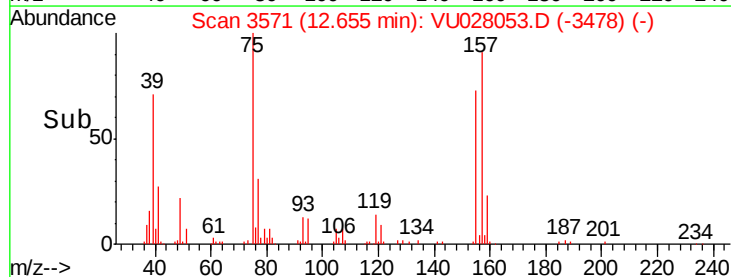
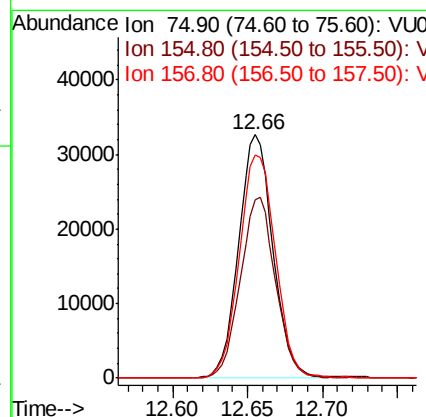
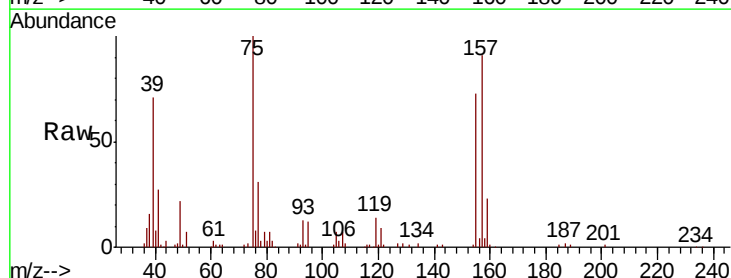
Manual Integrations
 APPROVED

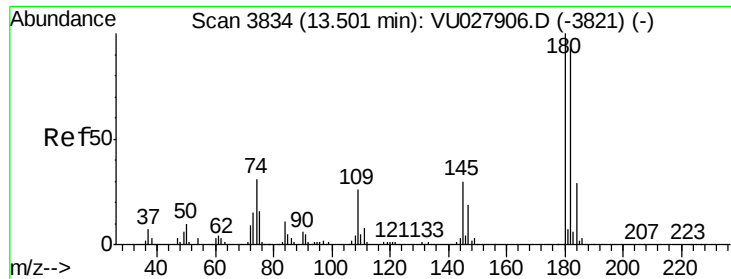
MMDadoda
 11/12/2018 12:02:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.634 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	39.8	119.3
157	96.2	50.6	151.9





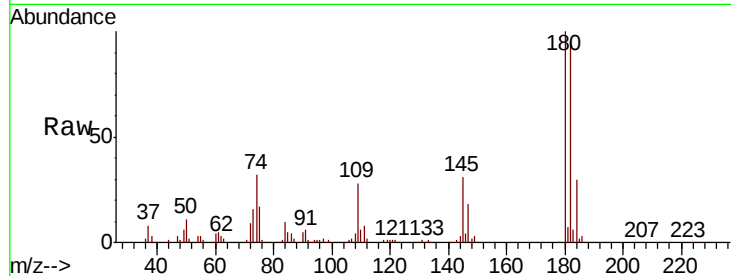
#93
 1,2,4-Trichlorobenzene
 Concen: 23.673 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160699		
182	95.5	48.4	145.2	
145	29.9	14.9	44.5	

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:02:23 PM

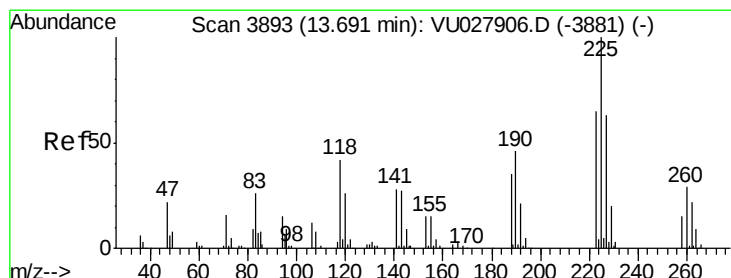
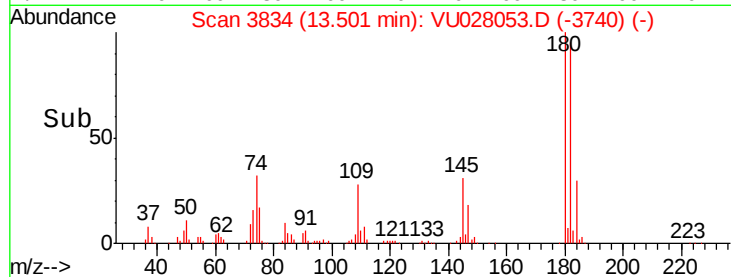
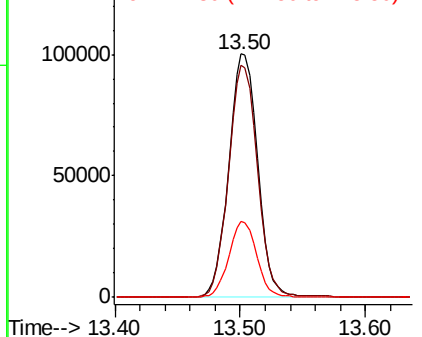


Abundance

Ion 179.80 (179.50 to 180.50): V

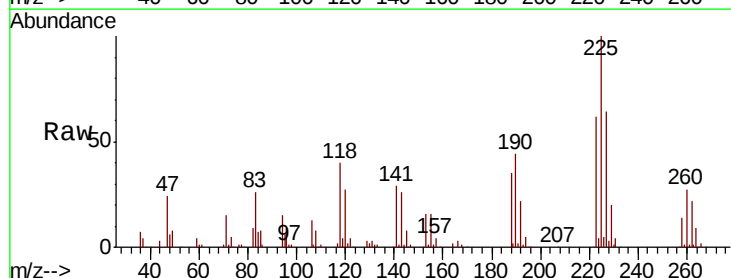
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 25.109 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78455		
223	62.3	32.2	96.6	
227	64.5	32.5	97.4	

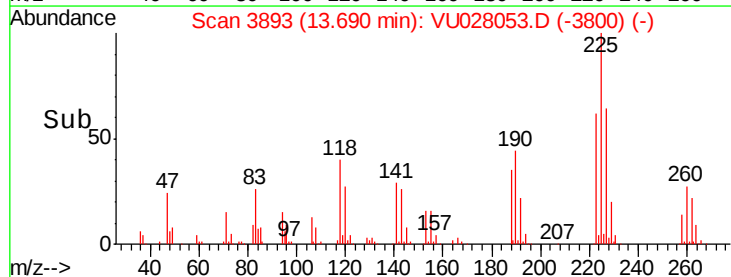
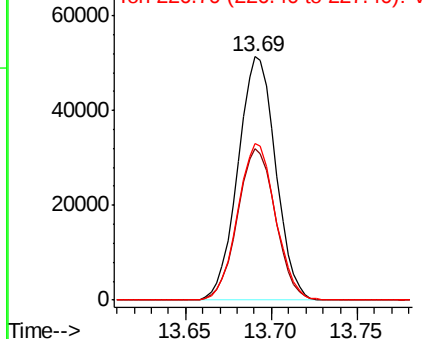


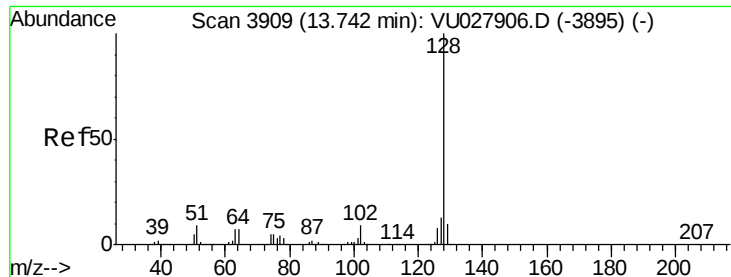
Abundance

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





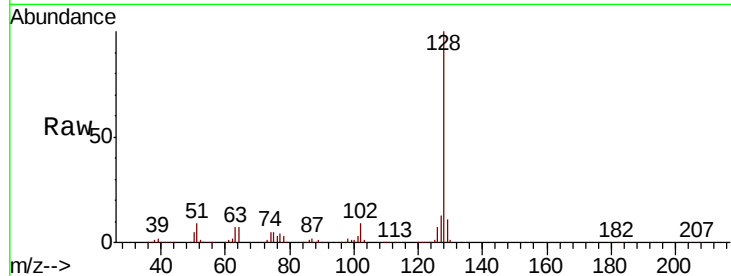
#95
Naphthalene
Concen: 23.991 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.3	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:02:23 PM

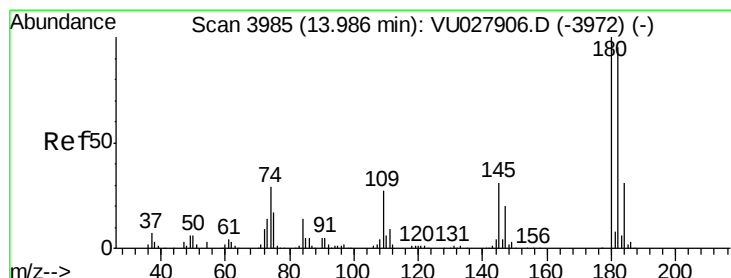
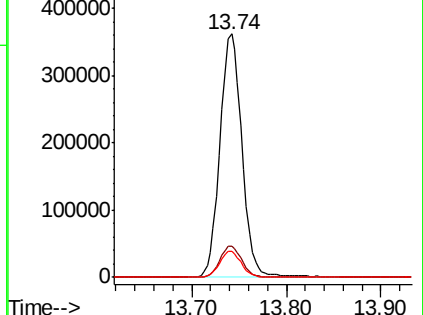
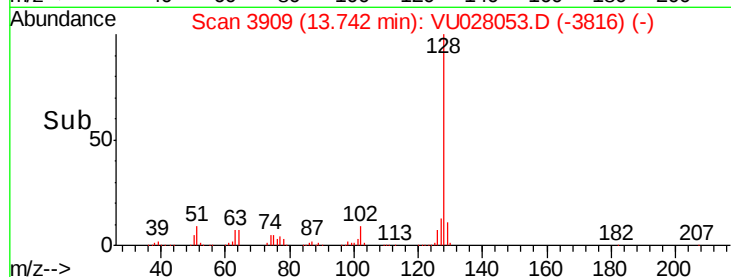


Abundance

Ion 128.00 (127.70 to 128.70): V

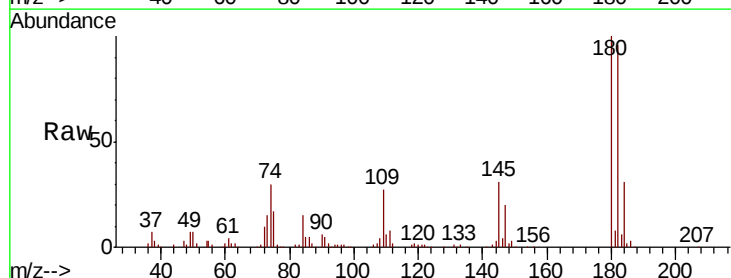
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 25.126 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	31.7	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

