

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120518\
 Data File : VU028475.D
 Acq On : 05 Dec 2018 13:15
 Operator : MD/SY
 Sample : VU1205WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Quant Time: Dec 06 01:32:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	297469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	511798	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	478086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	234694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	285943	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	4.88	113	215396	63.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.58%	
50) Toluene-d8	7.57	98	851249	62.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.08%	
62) 4-Bromofluorobenzene	10.30	95	322081	65.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	88605	22.204	ug/l	96
3) Chloromethane	1.33	50	156007	20.169	ug/l	100
4) Vinyl Chloride	1.40	62	123477	22.816	ug/l	98
5) Bromomethane	1.63	94	52278	24.976	ug/l	98
6) Chloroethane	1.70	64	73852	23.716	ug/l	94
7) Trichlorofluoromethane	1.89	101	134179	23.869	ug/l	100
8) Diethyl Ether	2.10	74	64734	24.772	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	84902	25.927	ug/l	97
10) Methyl Iodide	2.41	142	54995	17.809	ug/l	94
11) Tert butyl alcohol	2.82	59	130482	115.530	ug/l	99
12) 1,1-Dichloroethene	2.29	96	84300	26.527	ug/l	87
13) Acrolein	2.20	56	96792	96.399	ug/l	98
14) Allyl chloride	2.59	41	166910	20.103	ug/l	97
15) Acrylonitrile	2.94	53	346925	116.124	ug/l	99
16) Acetone	2.32	43	330100	108.544	ug/l	97
17) Carbon Disulfide	2.48	76	261883	21.470	ug/l	99
18) Methyl Acetate	2.62	43	186505	22.027	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	305149	23.422	ug/l	96
20) Methylene Chloride	2.70	84	99397	23.133	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	88943	24.133	ug/l	92
22) Diisopropyl ether	3.57	45	355041	21.720	ug/l #	94
23) Vinyl Acetate	3.53	43	1410076	103.778	ug/l	97
24) 1,1-Dichloroethane	3.45	63	185421	23.007	ug/l	99
25) 2-Butanone	4.26	43	473593	108.661	ug/l	97
26) 2,2-Dichloropropane	4.23	77	146802	22.936	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	103815	23.818	ug/l	93
28) Bromochloromethane	4.55	49	82338	20.432	ug/l	85
29) Tetrahydrofuran	4.64	42	313001	110.609	ug/l	92
30) Chloroform	4.67	83	170552	22.927	ug/l	100
31) Cyclohexane	5.00	56	181174	21.680	ug/l	90
32) 1,1,1-Trichloroethane	4.92	97	140894	23.603	ug/l	98
36) 1,1-Dichloropropene	5.14	75	131075	23.404	ug/l	97
37) Ethyl Acetate	4.38	43	169109	22.157	ug/l	96
38) Carbon Tetrachloride	5.13	117	108970	23.694	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	160176	24.258	ug/l	94
40) Benzene	5.39	78	402440	24.262	ug/l	98
41) Methacrylonitrile	4.54	41	96156	22.686	ug/l	94
42) 1,2-Dichloroethane	5.40	62	138261	23.138	ug/l	97
43) Isopropyl Acetate	5.55	43	277242	22.923	ug/l	97
44) Trichloroethene	6.19	130	93049	26.170	ug/l	95
45) 1,2-Dichloropropane	6.43	63	112903	23.243	ug/l	100
46) Dibromomethane	6.56	93	66724	23.914	ug/l	93
47) Bromodichloromethane	6.76	83	129326	23.303	ug/l	98
48) Methyl methacrylate	6.62	41	136445	21.658	ug/l	95
49) 1,4-Dioxane	6.61	88	47325	470.220	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	865290	112.018	ug/l	95
52) Toluene	7.64	92	240801	25.210	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	155773	23.473	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	168931	23.762	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	99448	25.016	ug/l	98
56) Ethyl methacrylate	8.02	69	163497	24.175	ug/l	94
57) 1,3-Dichloropropane	8.24	76	173860	23.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	412173	113.517	ug/l	96
59) 2-Hexanone	8.36	43	676105	112.996	ug/l	96
60) Dibromochloromethane	8.48	129	92935	24.581	ug/l	98
61) 1,2-Dibromoethane	8.58	107	101283	24.876	ug/l	94
64) Tetrachloroethene	8.23	164	81797	26.010	ug/l	97
65) Chlorobenzene	9.12	112	249163	25.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	82788	24.330	ug/l	98
67) Ethyl Benzene	9.25	91	459119	24.556	ug/l	98
68) m/p-Xylenes	9.37	106	333222	49.515	ug/l	99
69) o-Xylene	9.78	106	166664	24.913	ug/l	98
70) Styrene	9.79	104	271053	25.122	ug/l	97
71) Bromoform	9.96	173	67603	23.637	ug/l #	98
73) Isopropylbenzene	10.16	105	442229	24.227	ug/l	100
74) N-amyl acetate	10.01	43	230720	20.174	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	166946	22.241	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	202251	31.076	ug/l	79
77) Bromobenzene	10.45	156	105886	24.619	ug/l	92
78) n-propylbenzene	10.58	91	539064	23.939	ug/l	99
79) 2-Chlorotoluene	10.66	91	317452	23.915	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	362977	23.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	202251	82.491	ug/l #	100
82) 4-Chlorotoluene	10.77	91	356605	23.316	ug/l	98
83) tert-Butylbenzene	11.10	119	344395	24.018	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	372296	23.896	ug/l	98
85) sec-Butylbenzene	11.32	105	447488	24.027	ug/l	98
86) p-Isopropyltoluene	11.48	119	382964	25.008	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	190096	24.233	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	193813	24.549	ug/l	99
89) n-Butylbenzene	11.89	91	369059	24.419	ug/l	98
90) Hexachloroethane	12.14	117	53926	22.555	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	191062	24.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	37228	22.297	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

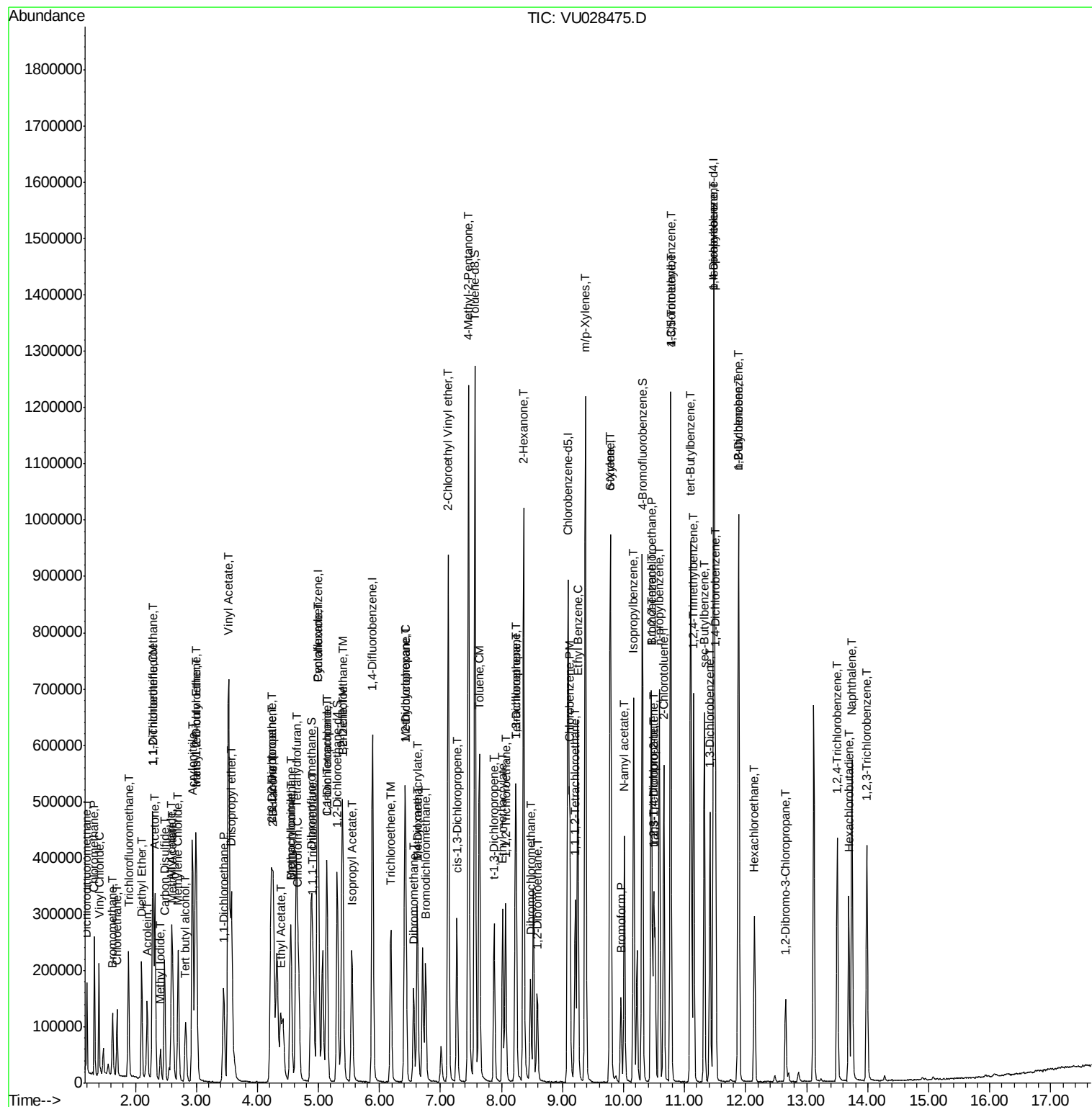
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	129566	25.291	ug/l	99
94) Hexachlorobutadiene	13.69	225	61017	25.223	ug/l	99
95) Naphthalene	13.74	128	457227	24.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	137156	26.471	ug/l	99

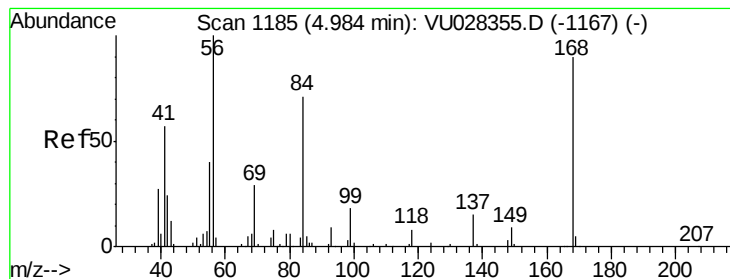
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120518\
Data File : VU028475.D
Acq On : 05 Dec 2018 13:15
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

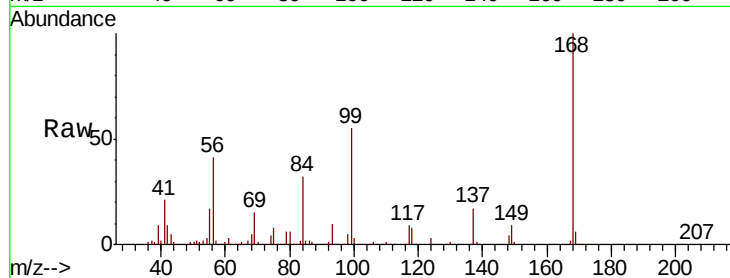
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion:168 Resp: 297469

Ion Ratio Lower Upper

168 100

99 55.1 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028475.D (-1092) (-)

4.98

150000

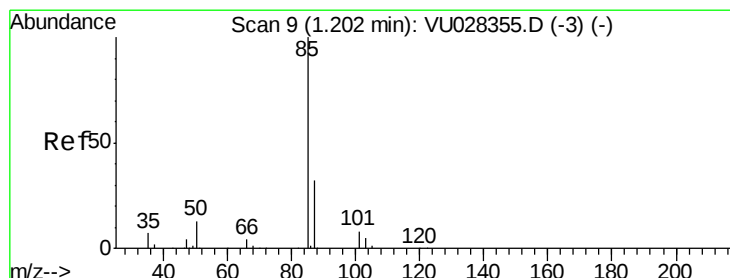
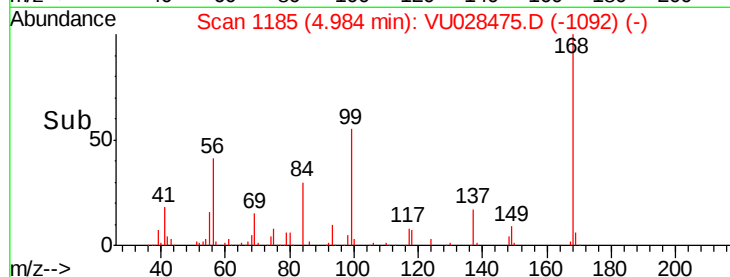
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028475.D

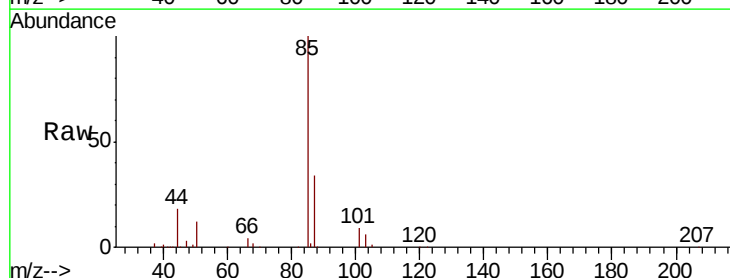
Acq: 05 Dec 2018 13:15

Tgt Ion: 85 Resp: 88605

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028475.D (-1) (-)

1.21

100000

80000

60000

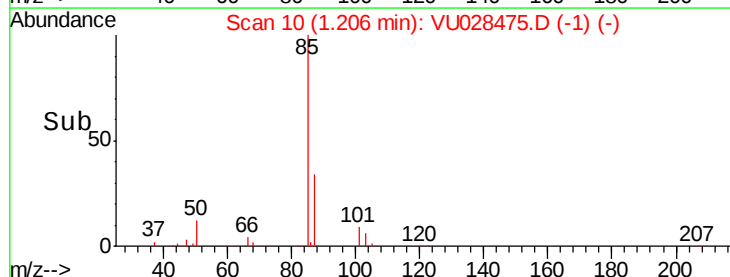
40000

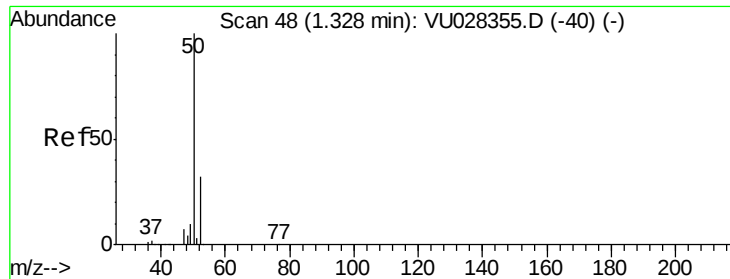
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.169 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

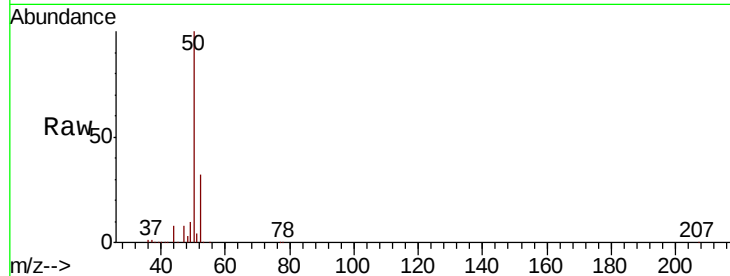
VU1205WBS02

Tot Ion: 50 Resp: 156007

Ion Ratio Lower Upper

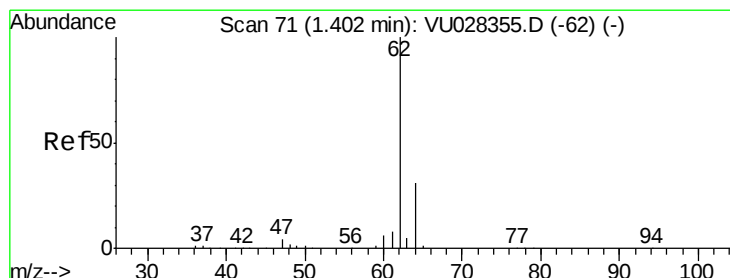
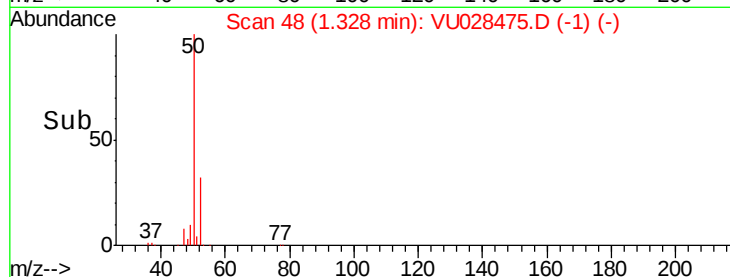
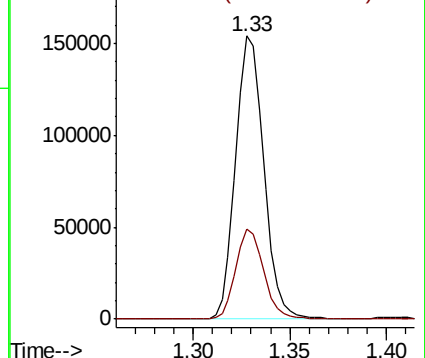
50 100

52 31.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 22.816 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028475.D

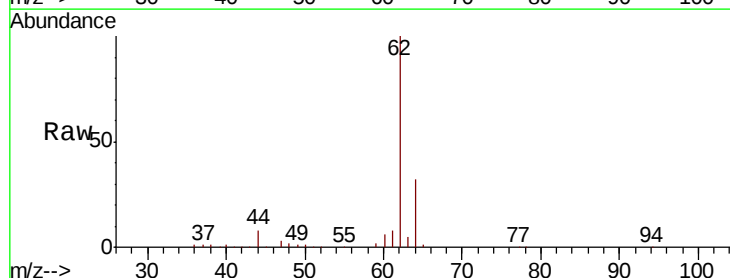
Acq: 05 Dec 2018 13:15

Tgt Ion: 62 Resp: 123477

Ion Ratio Lower Upper

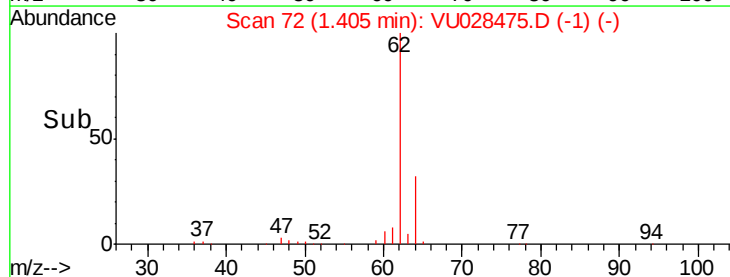
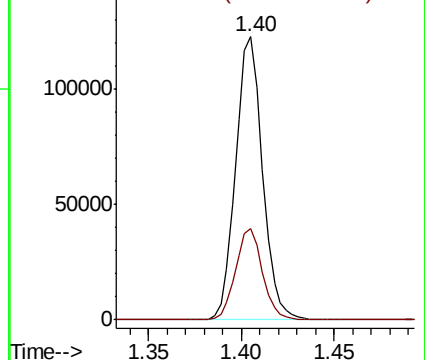
62 100

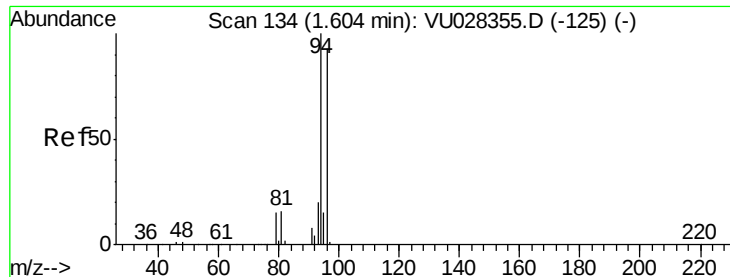
64 32.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 24.976 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

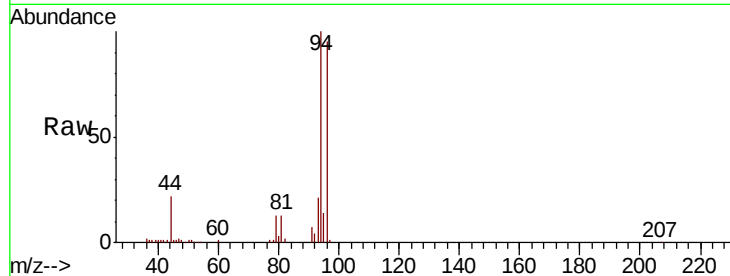
VU1205WBS02

Tot Ion: 94 Resp: 52278

Ion Ratio Lower Upper

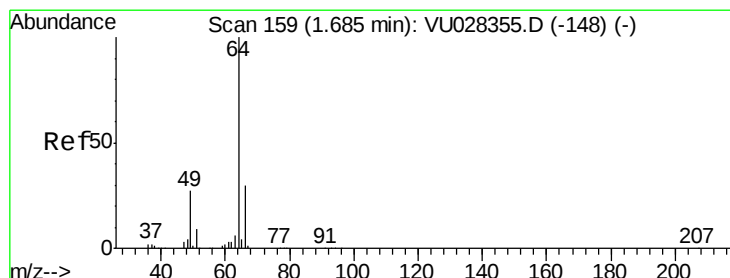
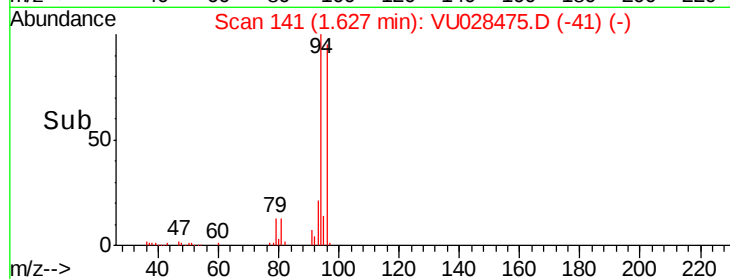
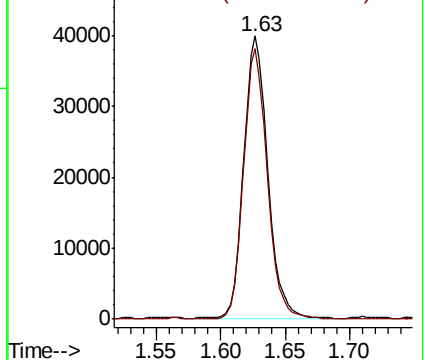
94 100

96 95.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 23.716 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028475.D

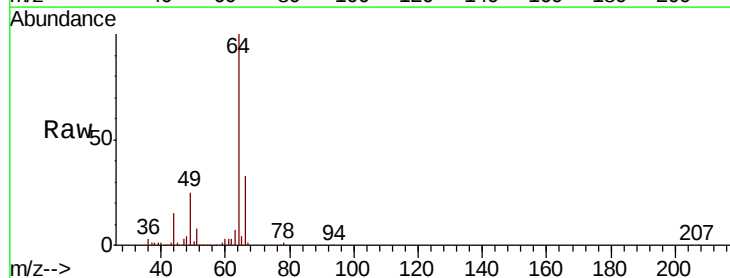
Acq: 05 Dec 2018 13:15

Tgt Ion: 64 Resp: 73852

Ion Ratio Lower Upper

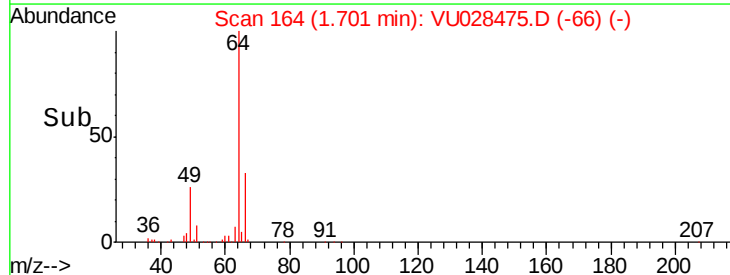
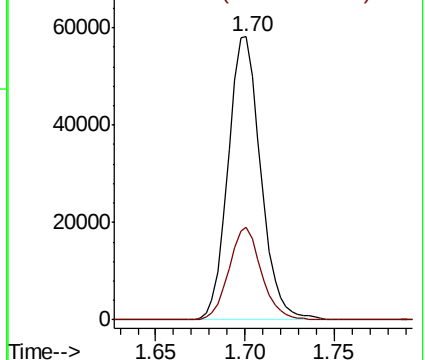
64 100

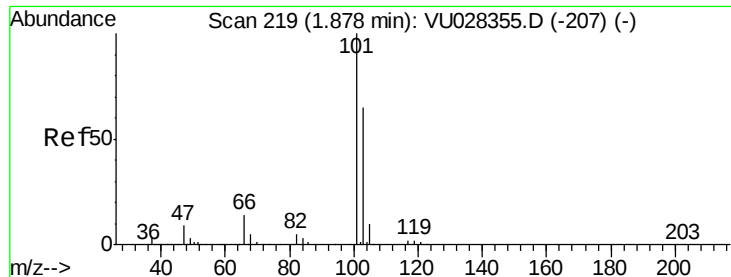
66 32.6 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



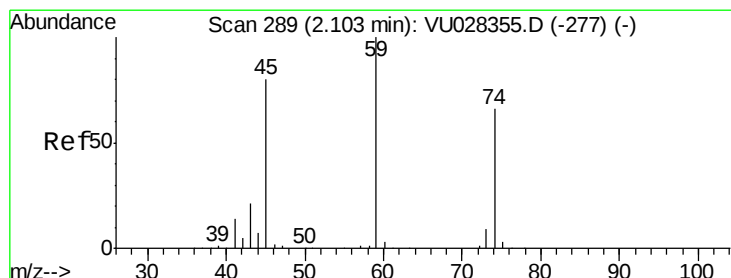
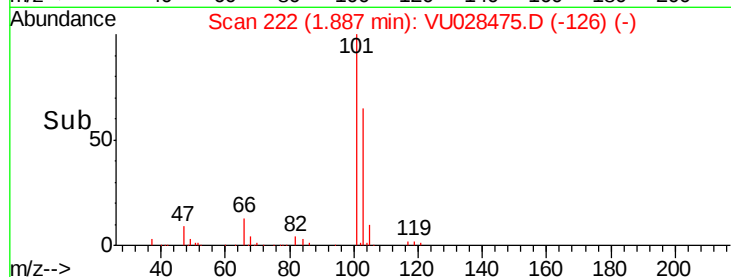
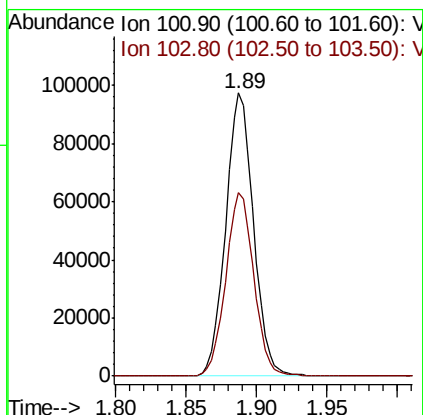
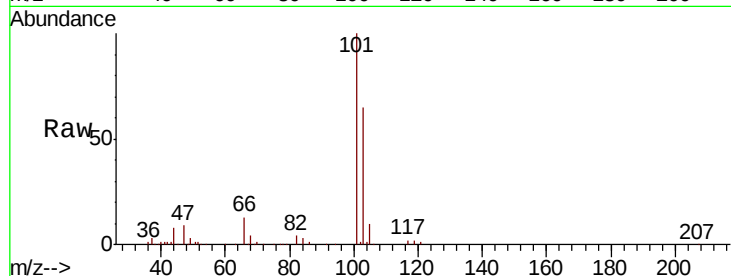


#7

Trichlorofluoromethane
 Concen: 23.869 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
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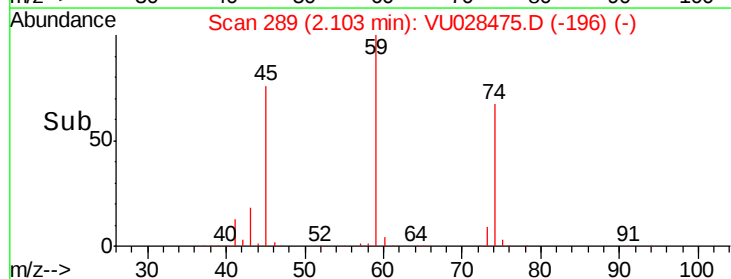
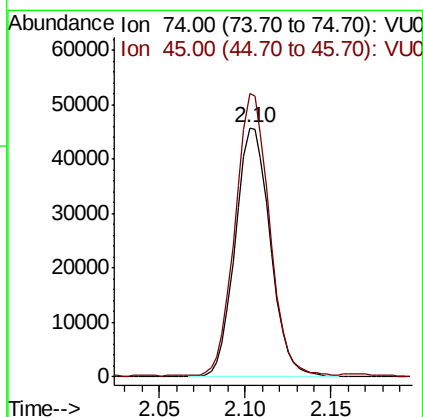
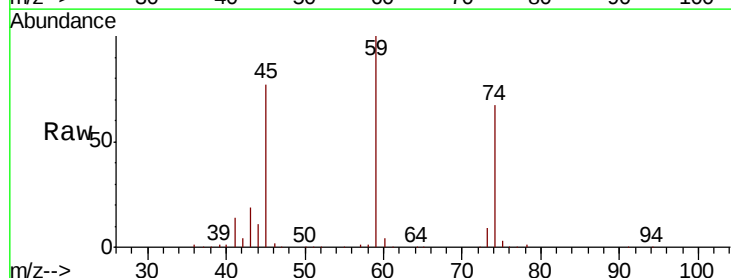
Tot Ion:101 Resp: 134179
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.6 77.4

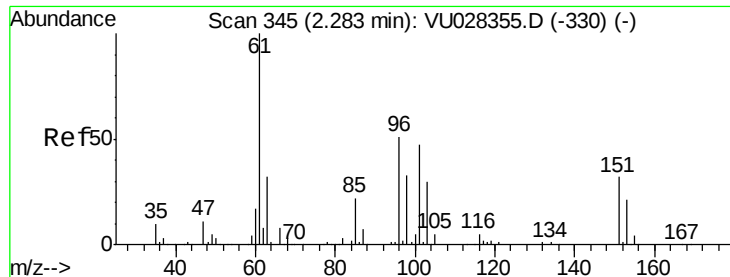


#8

Diethyl Ether
 Concen: 24.772 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 74 Resp: 64734
 Ion Ratio Lower Upper
 74 100
 45 110.6 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.927 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

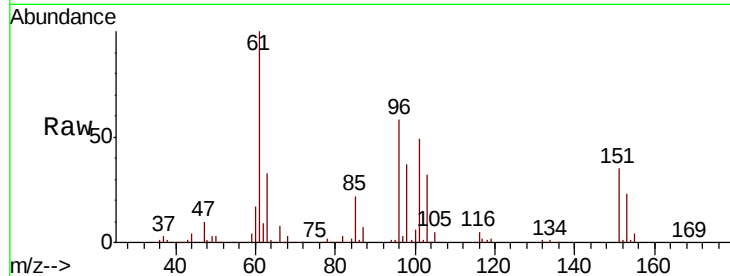
Tot Ion:101 Resp: 84902

Ion Ratio Lower Upper

101 100

85 43.4 37.2 55.8

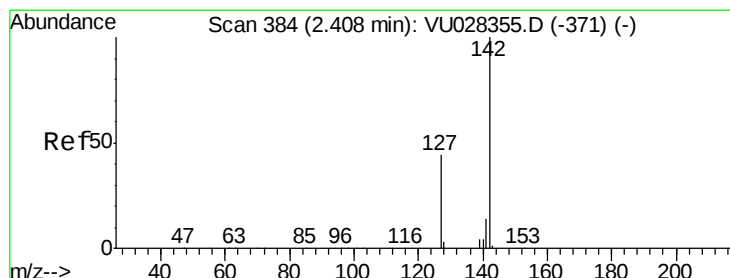
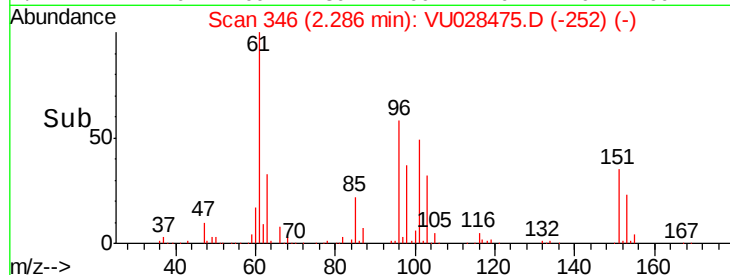
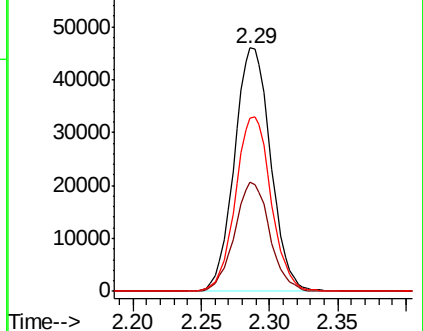
151 70.4 55.4 83.0



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: 17.809 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

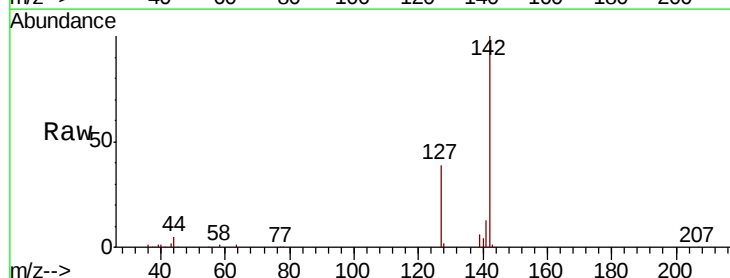
Tgt Ion:142 Resp: 54995

Ion Ratio Lower Upper

142 100

127 38.9 35.0 52.6

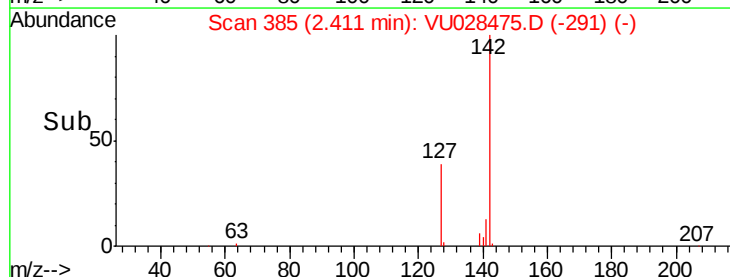
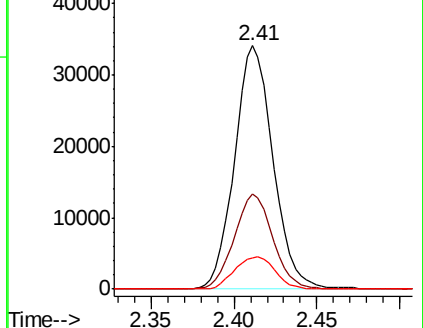
141 13.8 11.2 16.8

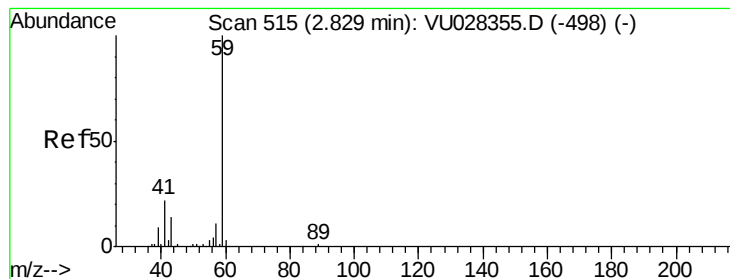


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



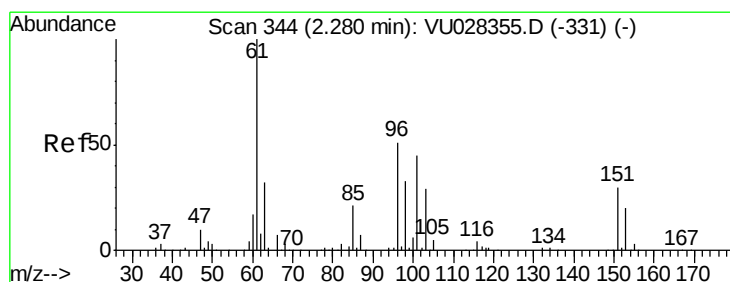
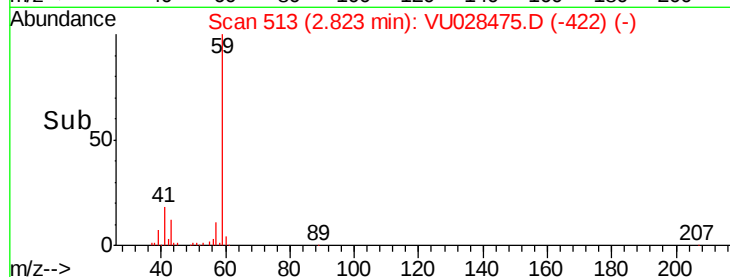
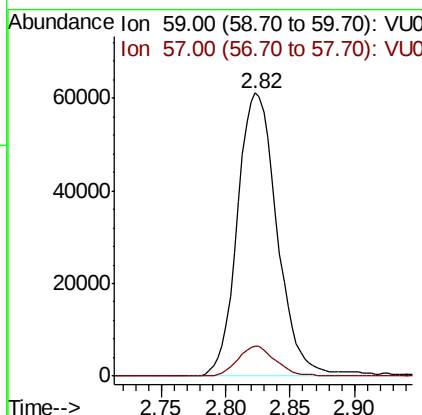
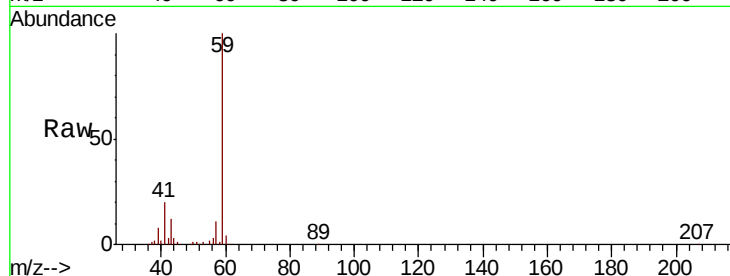


#11

Tert butyl alcohol
 Concen: 115.530 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

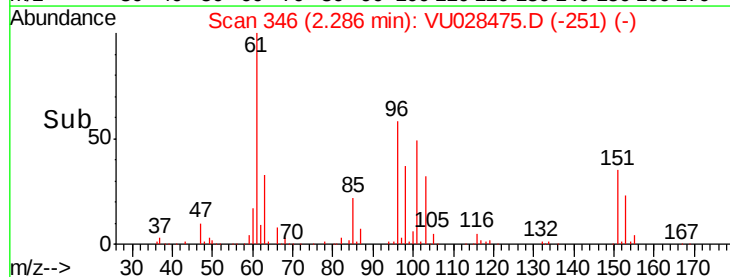
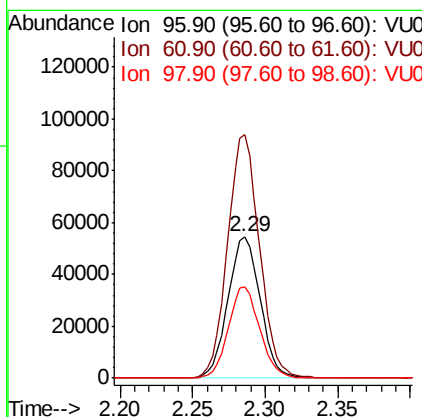
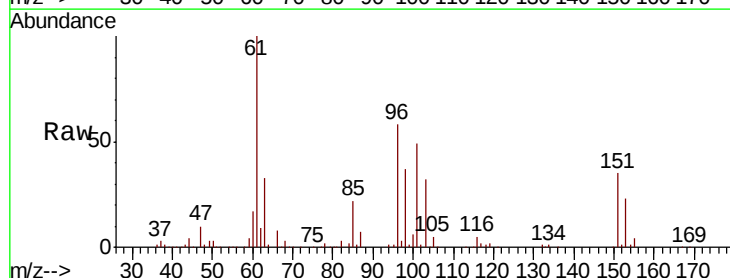
Tot Ion: 59 Resp: 130482
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

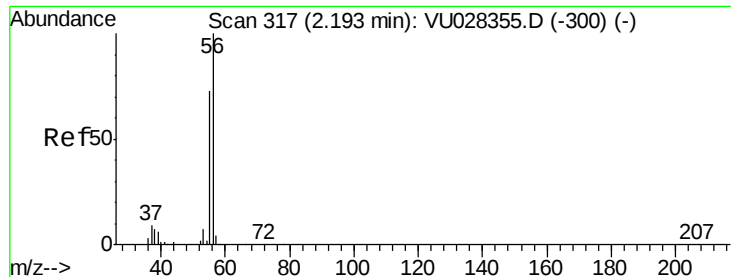


#12

1,1-Dichloroethene
 Concen: 26.527 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 96 Resp: 84300
 Ion Ratio Lower Upper
 96 100
 61 171.9 158.1 237.1
 98 64.5 51.4 77.2





#13

Acrolein

Concen: 96.399 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

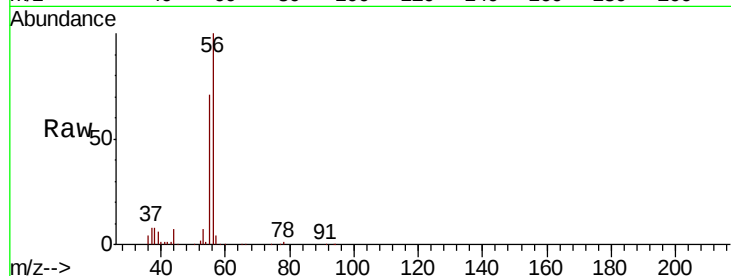
VU1205WBS02

Tot Ion: 56 Resp: 96792

Ion Ratio Lower Upper

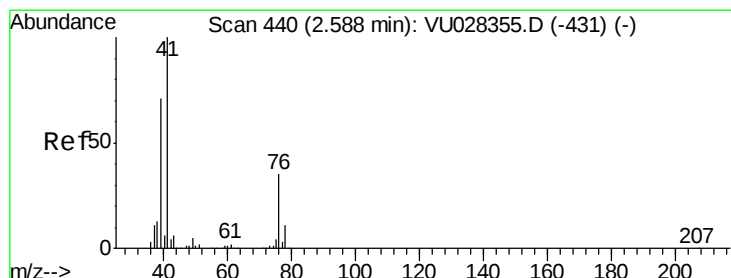
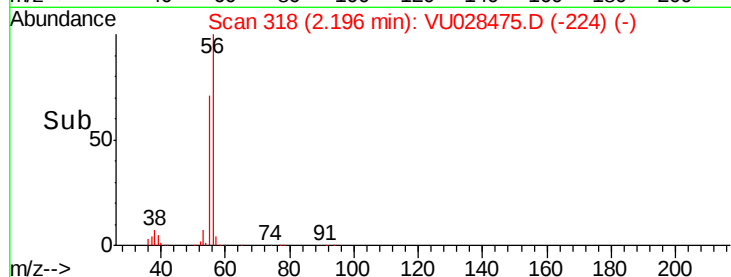
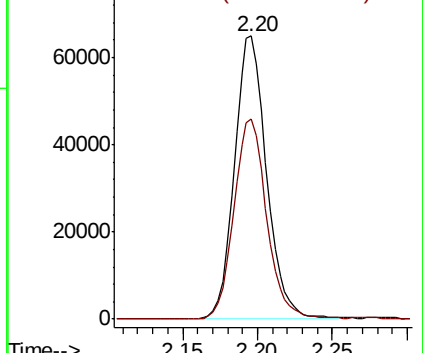
56 100

55 72.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 20.103 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

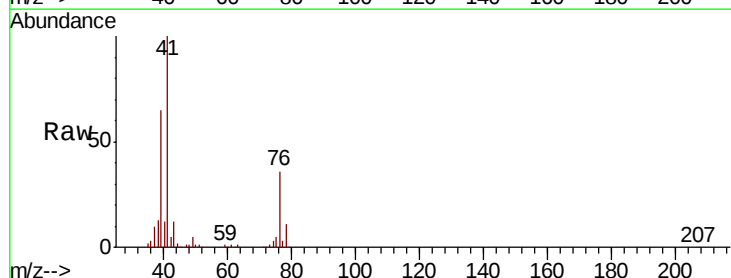
Tgt Ion: 41 Resp: 166910

Ion Ratio Lower Upper

41 100

39 63.7 51.6 77.4

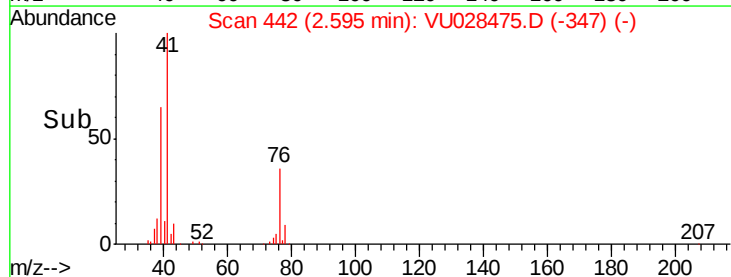
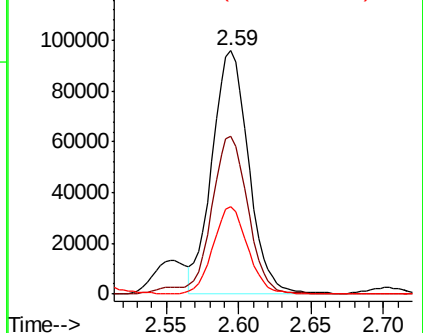
76 34.2 24.4 36.6

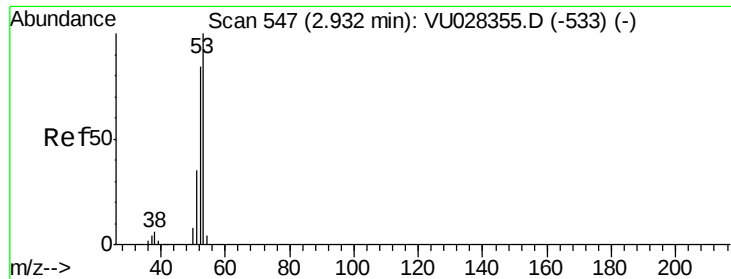


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

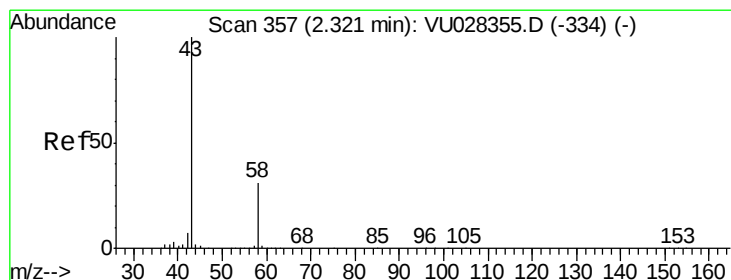
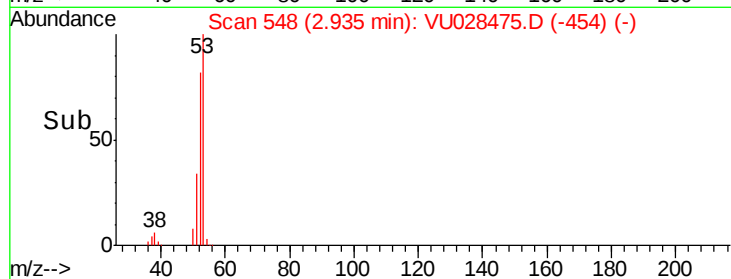
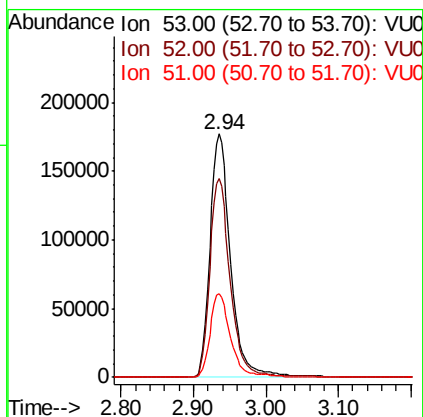
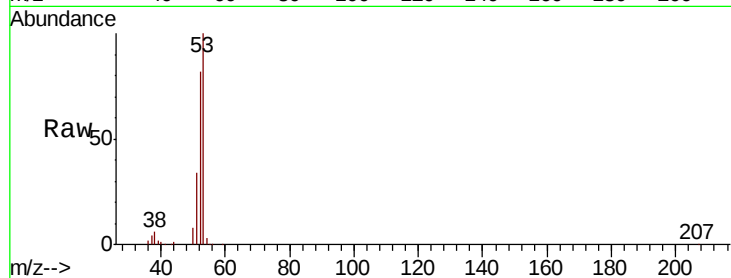




#15
 Acrylonitrile
 Concen: 116.124 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

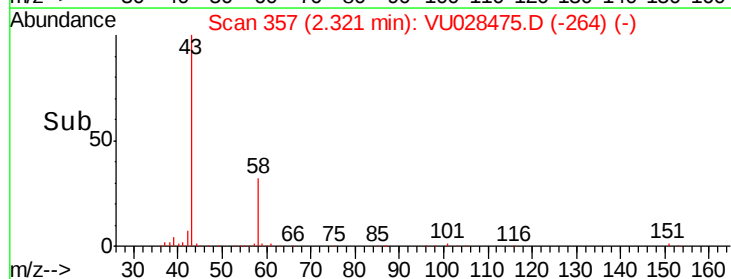
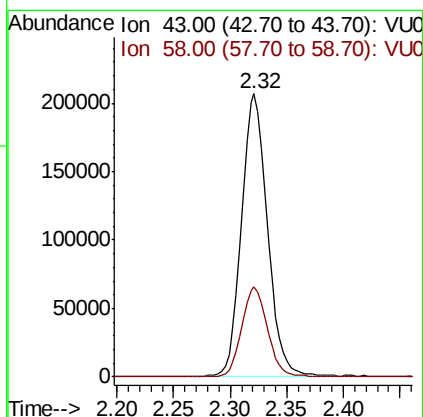
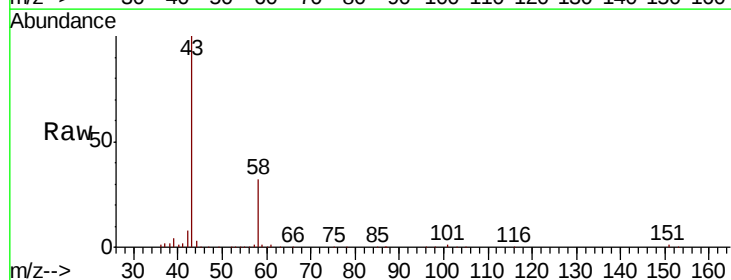
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

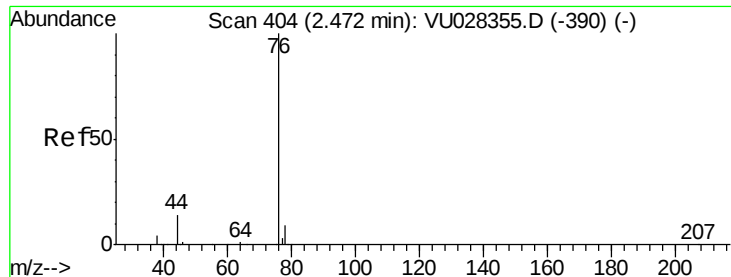
Tot Ion	53	Resp	346925
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.7	98.5
51	34.4	27.8	41.6



#16
 Acetone
 Concen: 108.544 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	43	Resp	330100
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.4	36.6

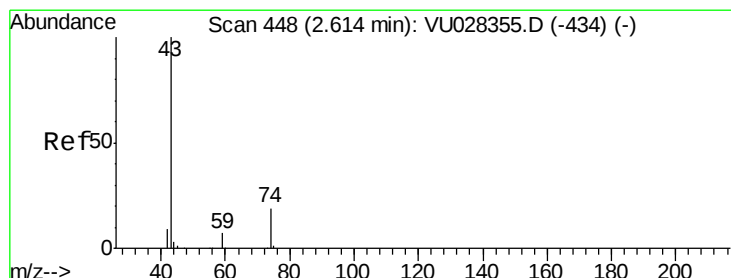
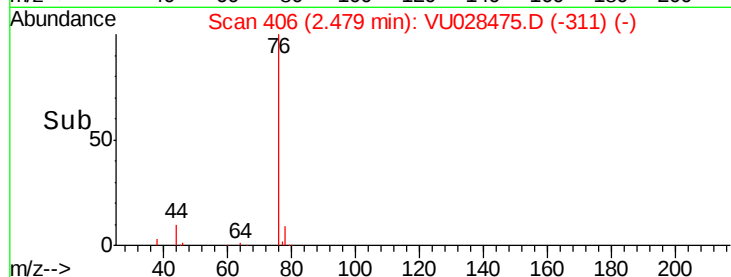
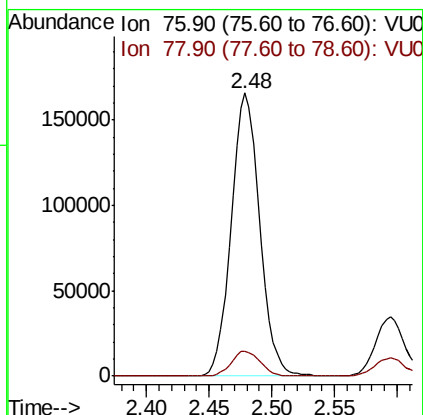
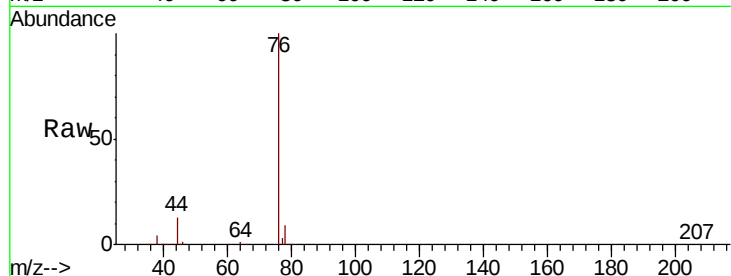




#17
Carbon Disulfide
Concen: 21.470 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

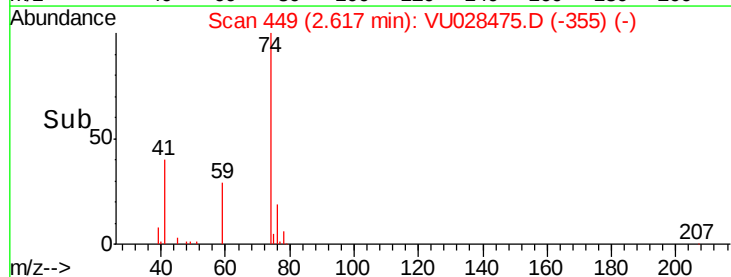
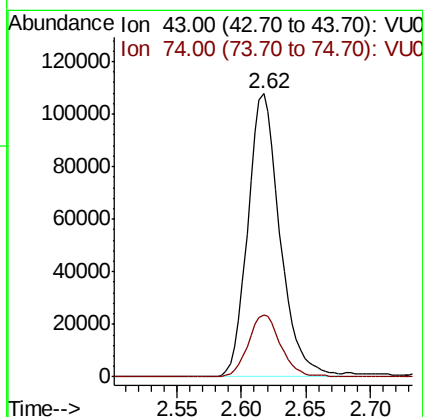
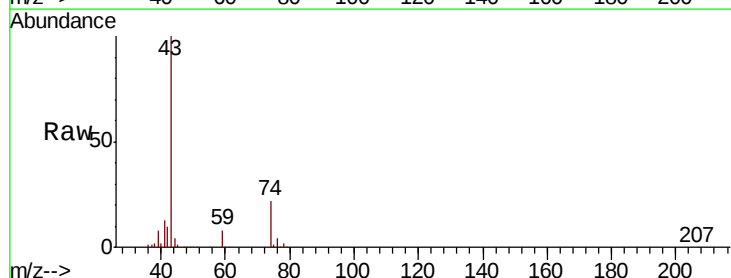
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

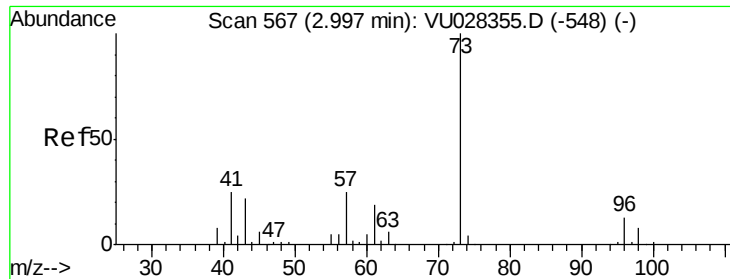
Tot Ion: 76 Resp: 261883
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 22.027 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 43 Resp: 186505
Ion Ratio Lower Upper
43 100
74 22.2 15.3 22.9

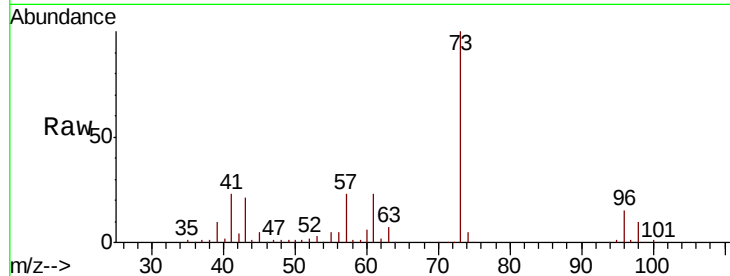




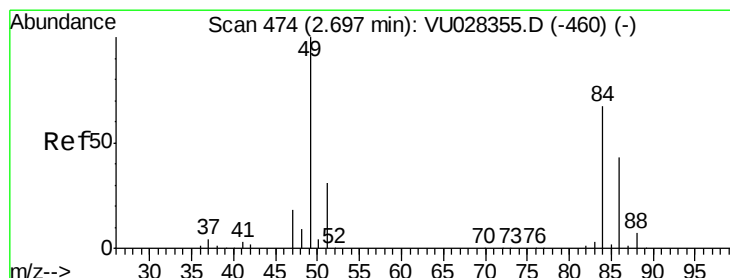
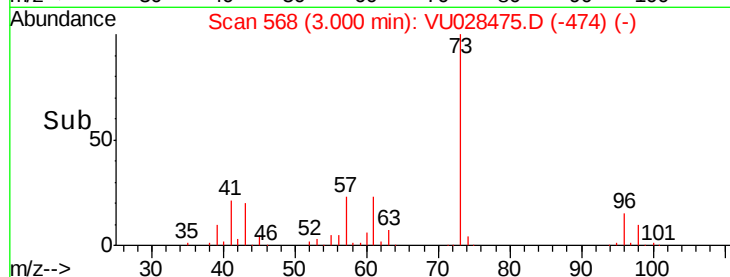
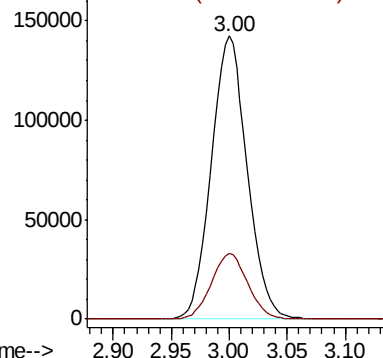
#19
Methyl tert-butyl Ether
Concen: 23.422 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion: 73 Resp: 305149
Ion Ratio Lower Upper
73 100
57 23.1 20.1 30.1

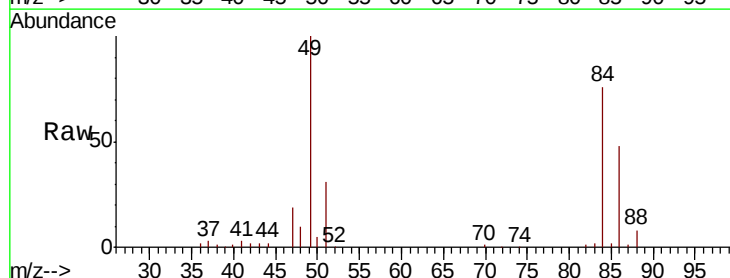


Abundance Ion 73.00 (72.70 to 73.70): VU028355.D (-548) (-)
Ion 57.00 (56.70 to 57.70): VU028355.D (-548) (-)

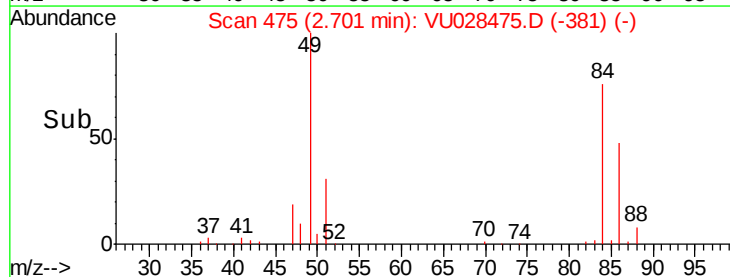
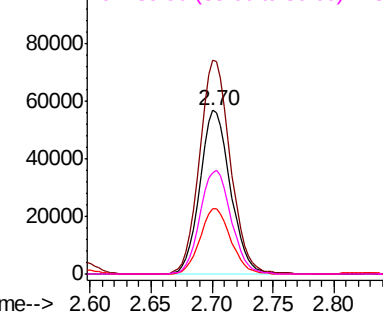


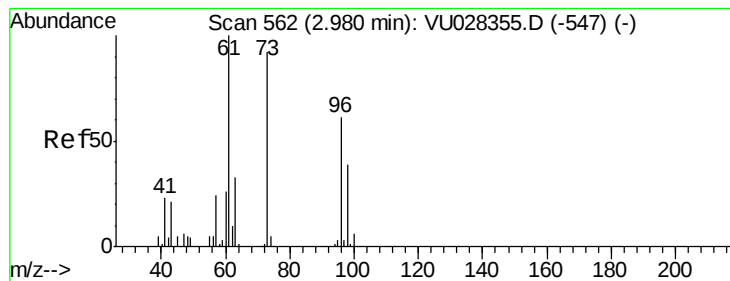
#20
Methylene Chloride
Concen: 23.133 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 84 Resp: 99397
Ion Ratio Lower Upper
84 100
49 130.8 120.0 180.0
51 40.3 36.9 55.3
86 62.3 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VU028355.D (-460) (-)
Ion 48.90 (48.60 to 49.60): VU028355.D (-460) (-)
Ion 50.90 (50.60 to 51.60): VU028355.D (-460) (-)
Ion 85.90 (85.60 to 86.60): VU028355.D (-460) (-)





#21

trans-1,2-Dichloroethene

Concen: 24.133 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

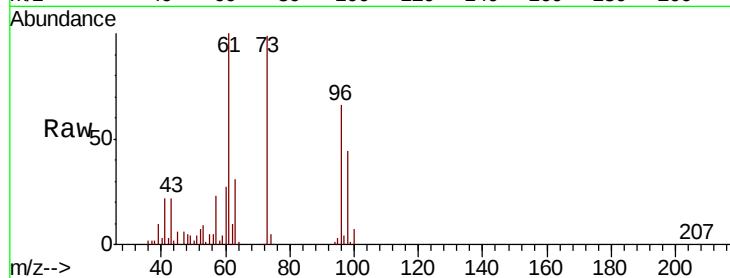
Tot Ion: 96 Resp: 88943

Ion Ratio Lower Upper

96 100

61 150.9 131.1 196.7

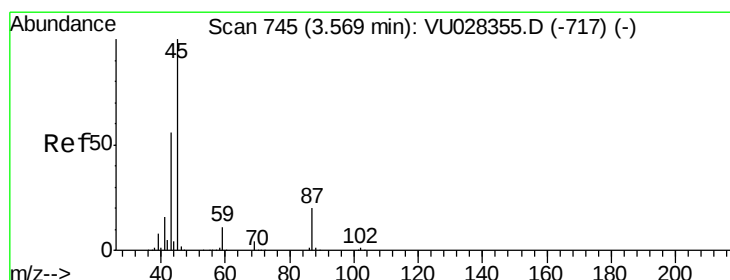
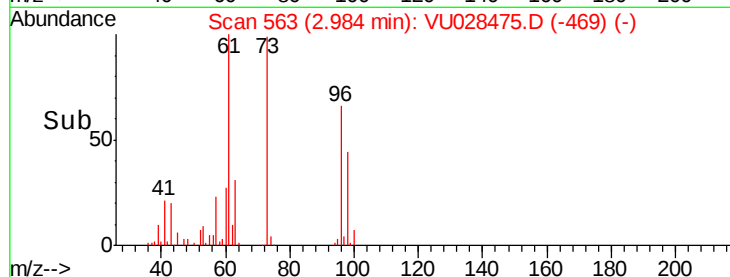
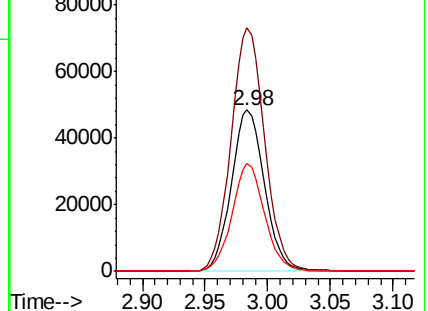
98 67.0 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.720 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion: 45 Resp: 355041

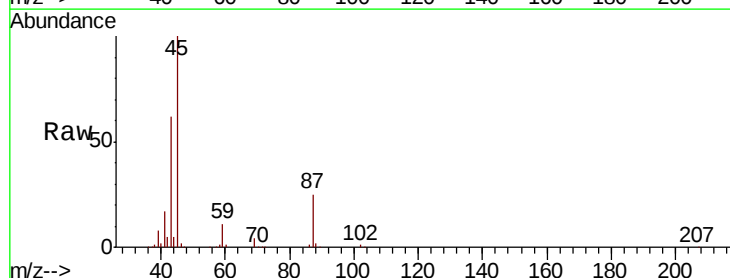
Ion Ratio Lower Upper

45 100

43 60.5 44.8 67.2

87 24.6 16.3 24.5#

59 10.9 8.6 12.8

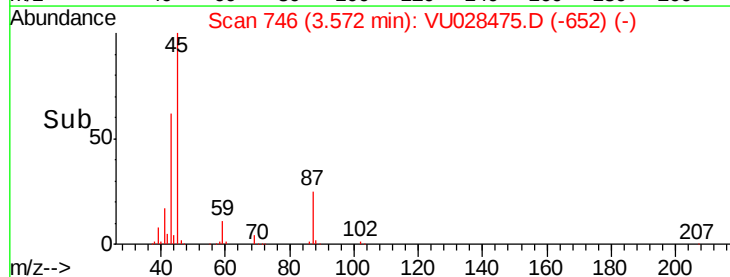
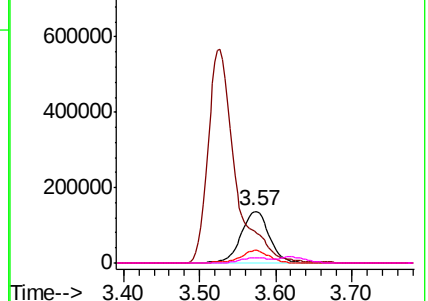


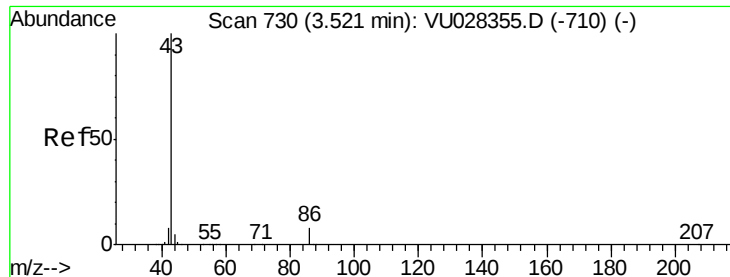
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 103.778 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

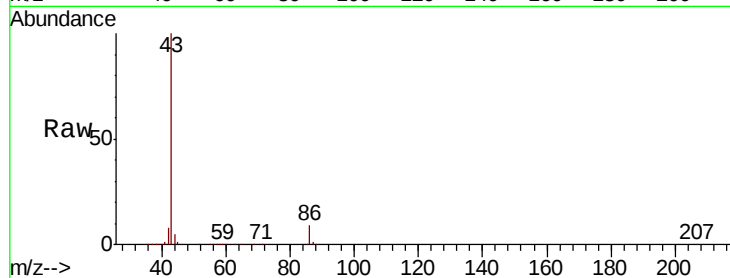
VU1205WBS02

Tot Ion: 43 Resp: 1410076

Ion Ratio Lower Upper

43 100

86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028475.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028475.D (-637) (-)

3.53

600000

500000

400000

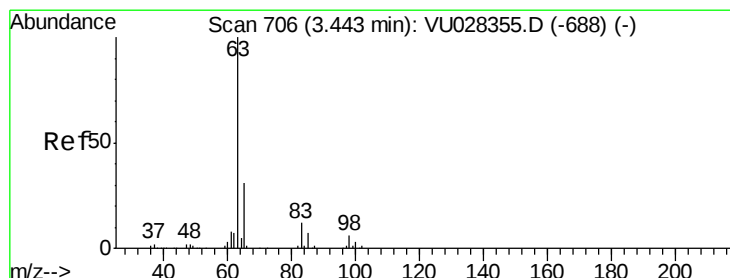
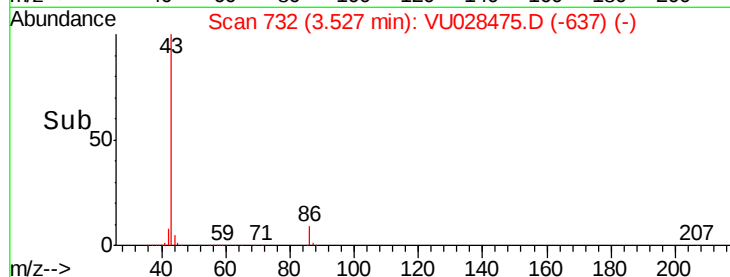
300000

200000

100000

0

Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 23.007 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

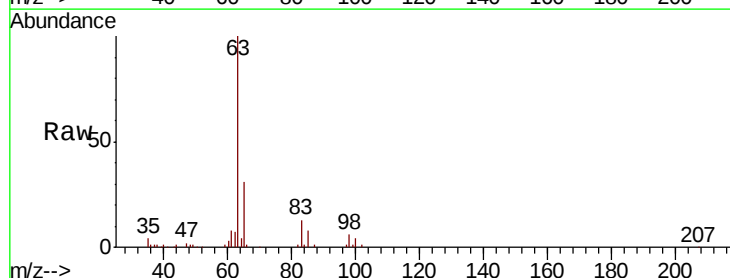
Tgt Ion: 63 Resp: 185421

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028475.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028475.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028475.D (-613) (-)

3.45

100000

80000

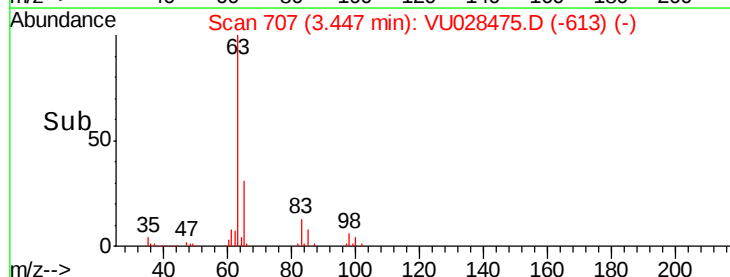
60000

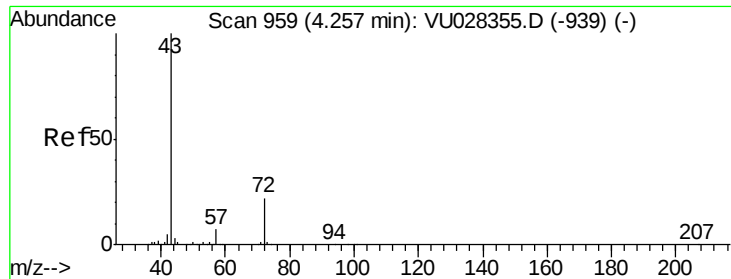
40000

20000

0

Time--> 3.40 3.50

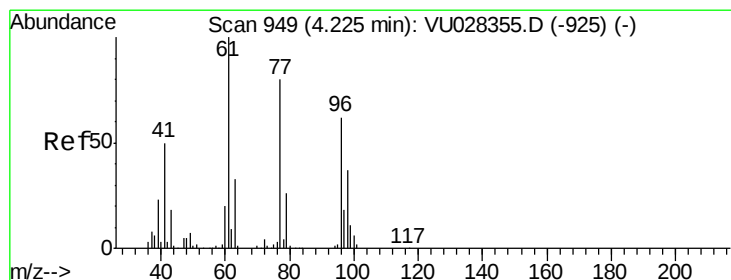
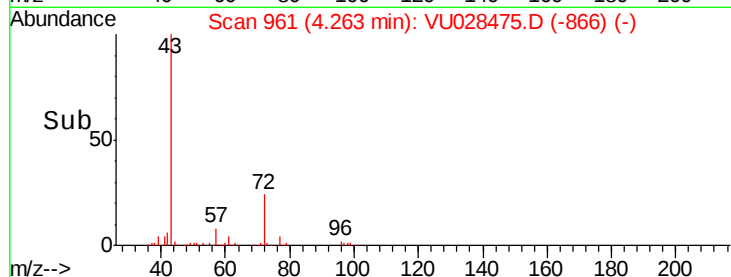
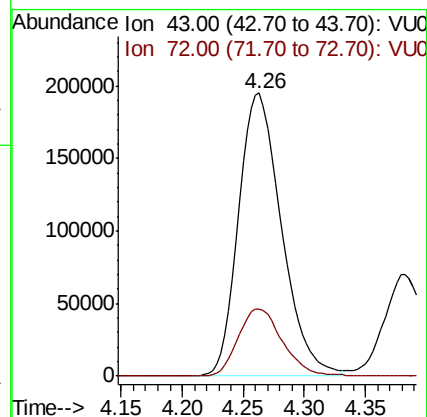
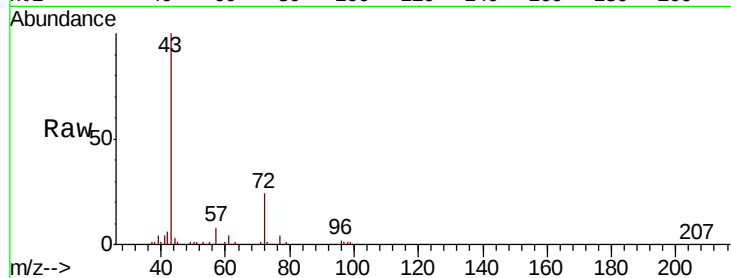




#25
 2-Butanone
 Concen: 108.661 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

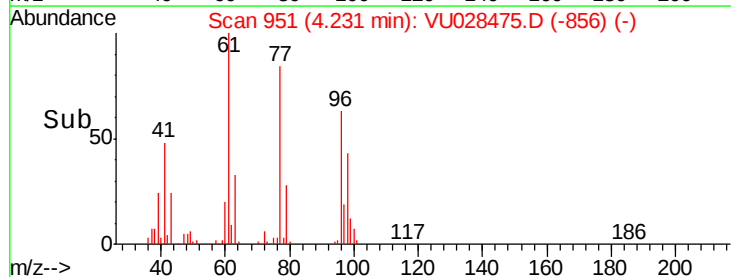
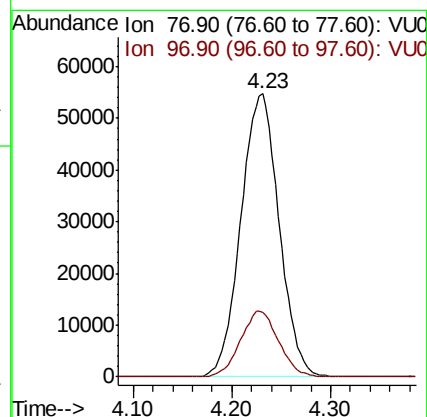
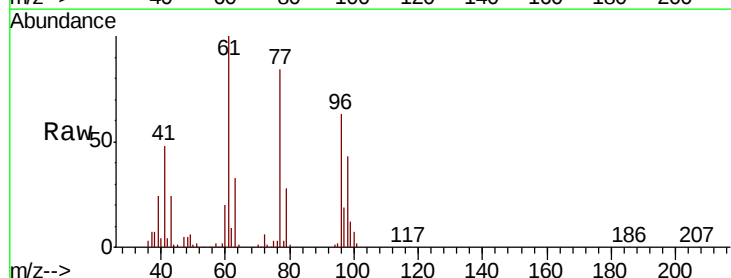
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

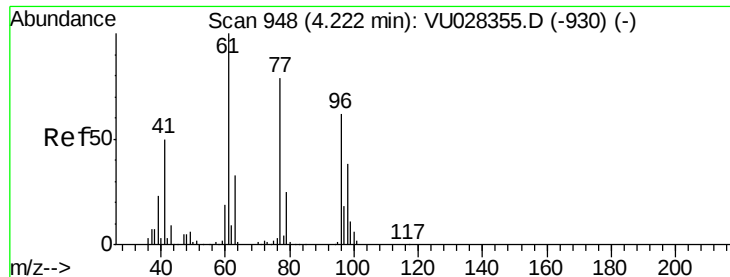
Tot Ion: 43 Resp: 473593
 Ion Ratio Lower Upper
 43 100
 72 23.7 17.7 26.5



#26
 2,2-Dichloropropane
 Concen: 22.936 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 77 Resp: 146802
 Ion Ratio Lower Upper
 77 100
 97 23.2 10.7 32.1



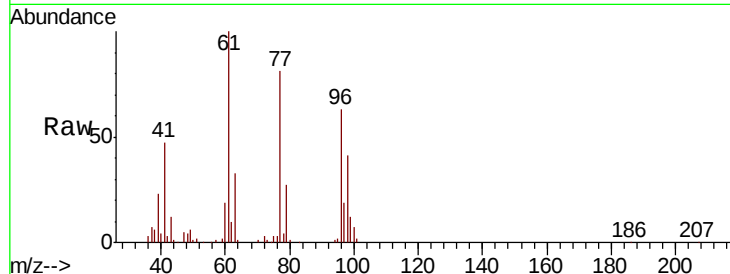


#27

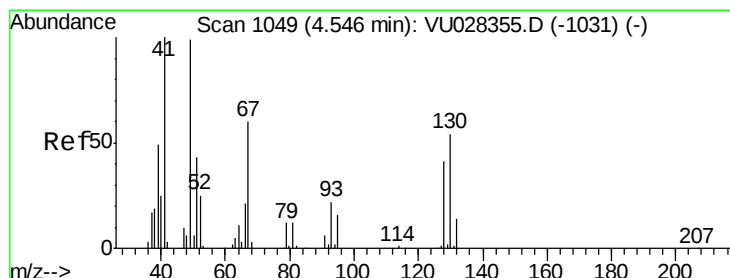
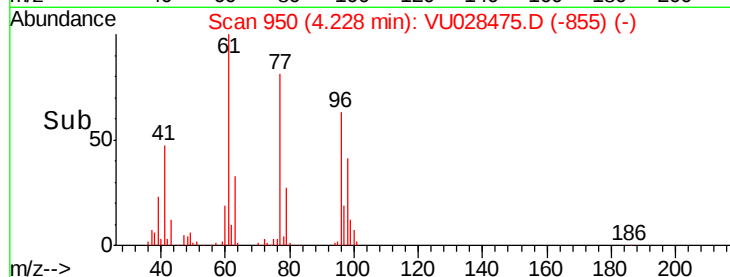
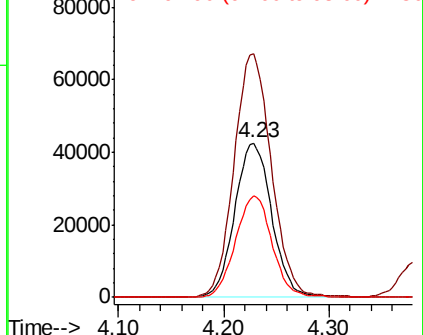
cis-1,2-Dichloroethene
Concen: 23.818 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.01 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion: 96 Resp: 103815
Ion Ratio Lower Upper
96 100
61 159.6 0.0 342.0
98 65.0 0.0 126.4



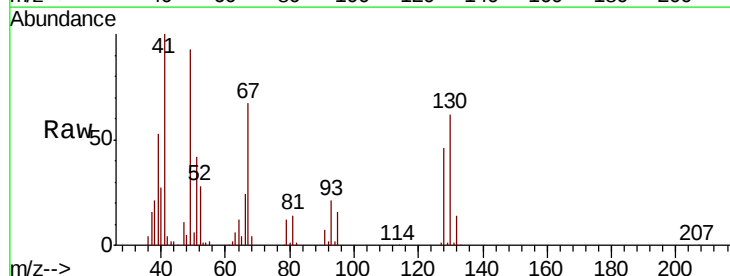
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



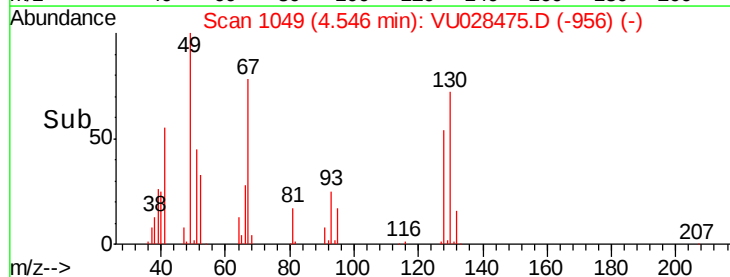
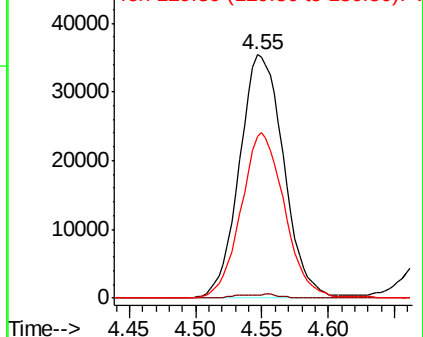
#28

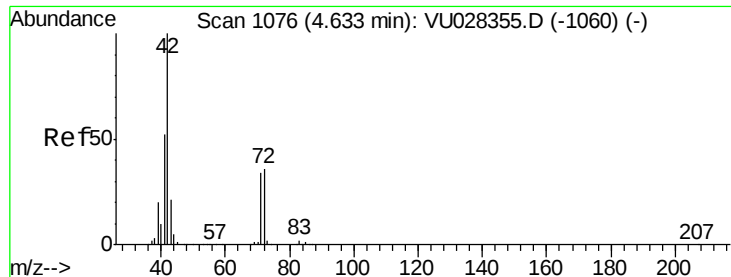
Bromochloromethane
Concen: 20.432 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 49 Resp: 82338
Ion Ratio Lower Upper
49 100
129 1.4 0.0 2.6
130 66.5 44.5 66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.609 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

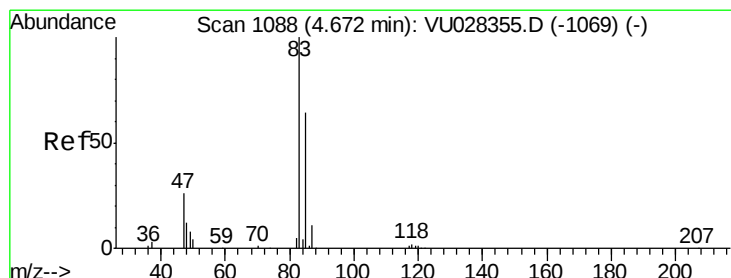
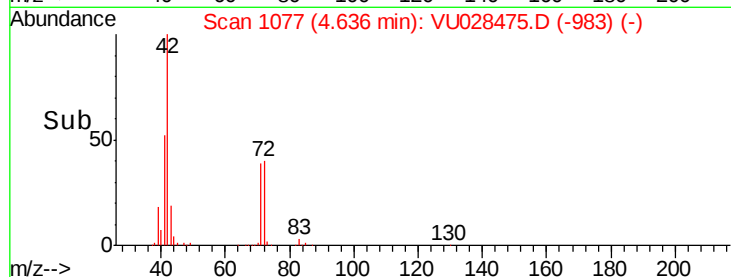
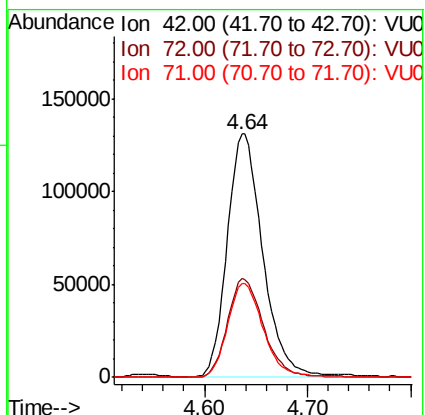
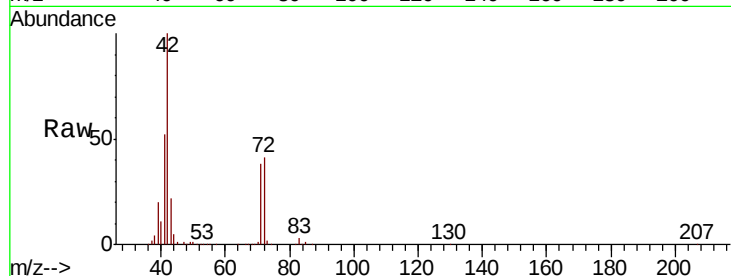
Tot Ion: 42 Resp: 313001

Ion Ratio Lower Upper

42 100

72 41.6 29.5 44.3

71 38.9 27.7 41.5



#30

Chloroform

Concen: 22.927 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028475.D

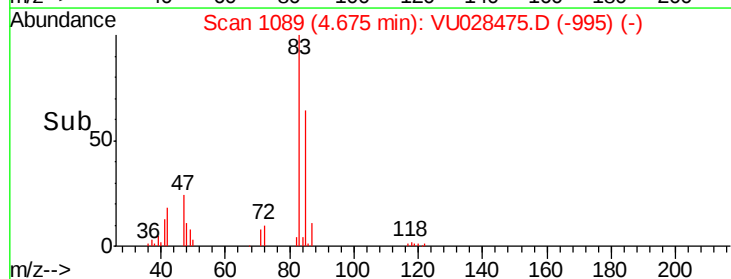
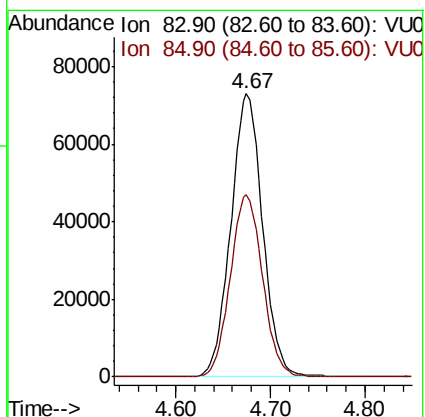
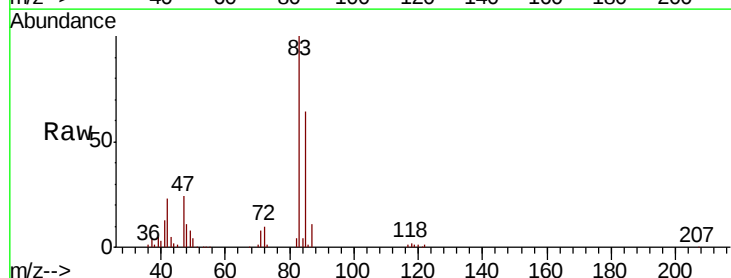
Acq: 05 Dec 2018 13:15

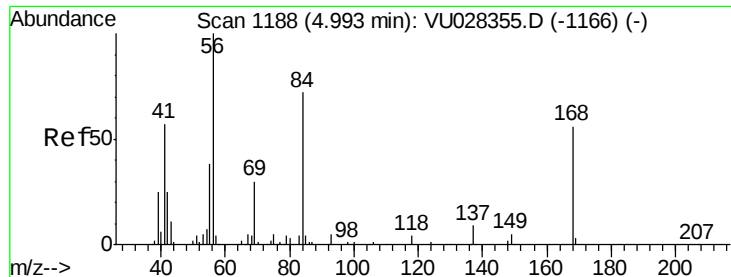
Tgt Ion: 83 Resp: 170552

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8

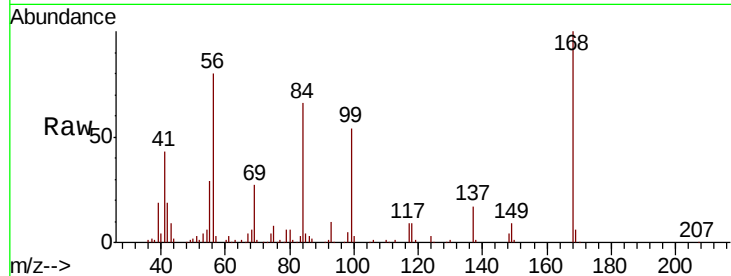




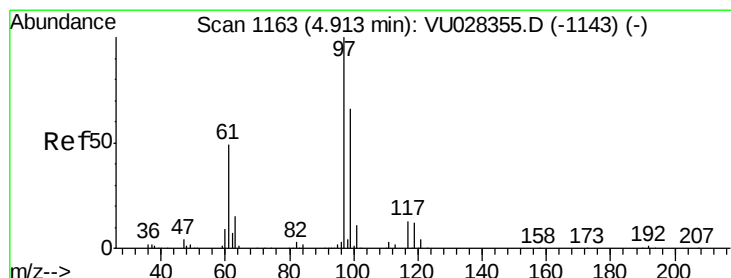
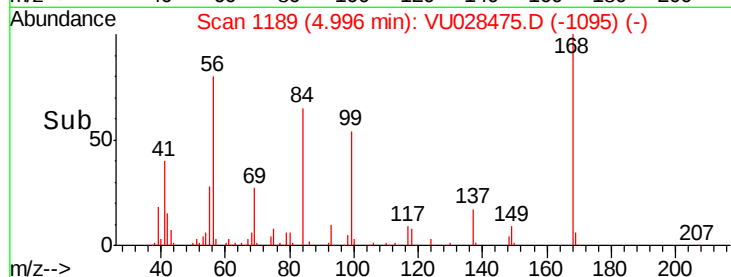
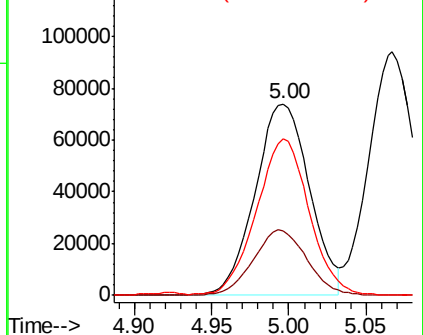
#31
Cyclohexane
Concen: 21.680 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion: 56 Resp: 181174
Ion Ratio Lower Upper
56 100
69 33.5 23.7 35.5
84 81.2 57.3 85.9

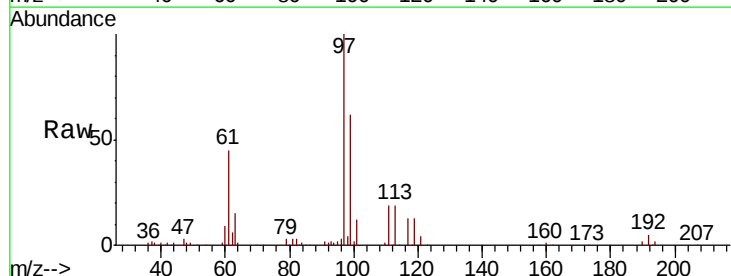


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

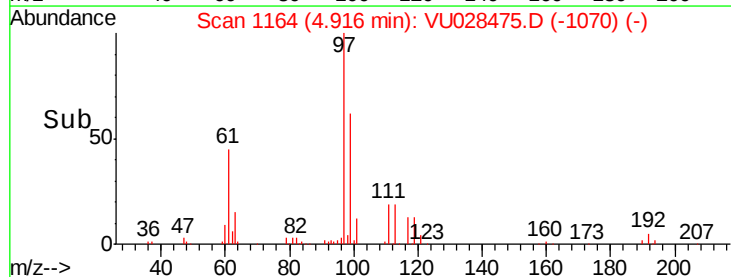
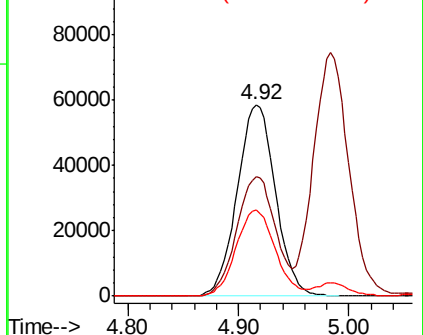


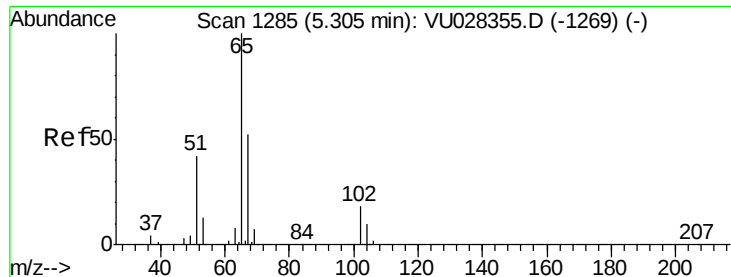
#32
1,1,1-Trichloroethane
Concen: 23.603 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 97 Resp: 140894
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 46.2 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 57.517 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

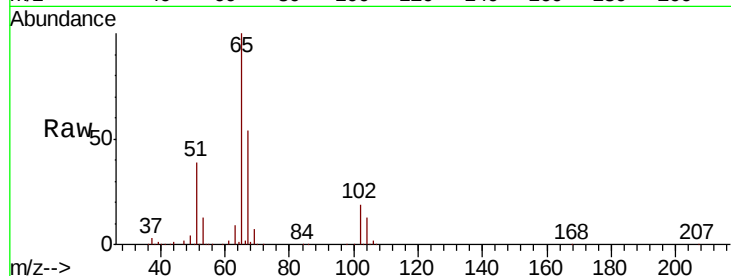
VU1205WBS02

Tot Ion: 65 Resp: 285943

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

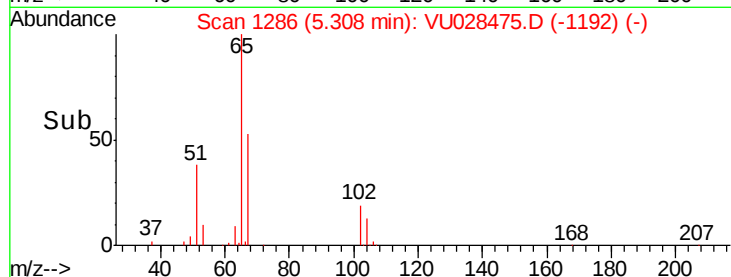
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

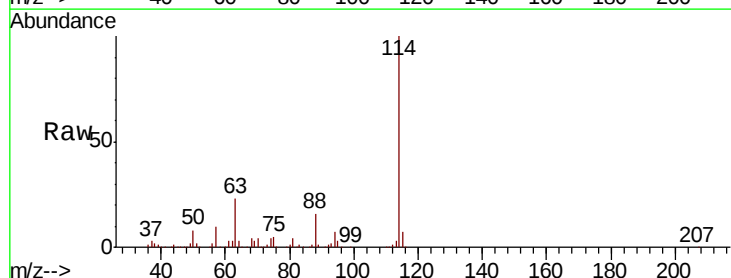
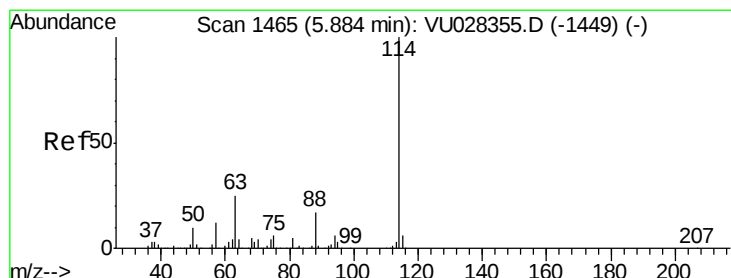
Tgt Ion: 114 Resp: 511798

Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.0

88 16.3 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

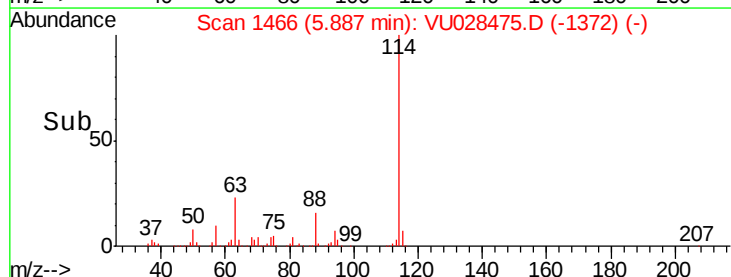
300000

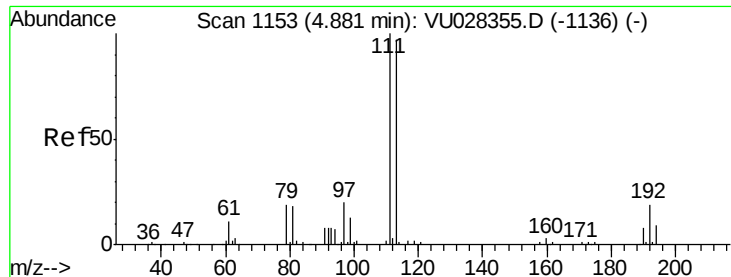
200000

100000

0

Time-->

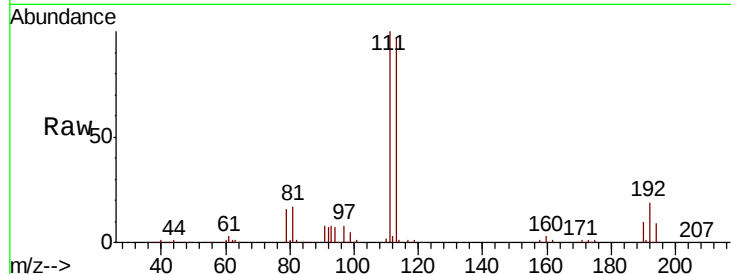




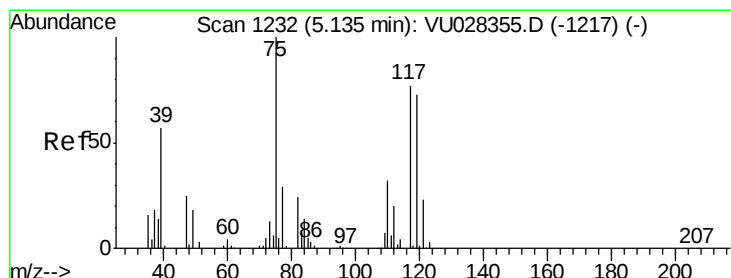
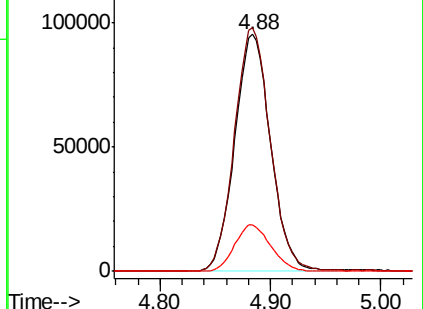
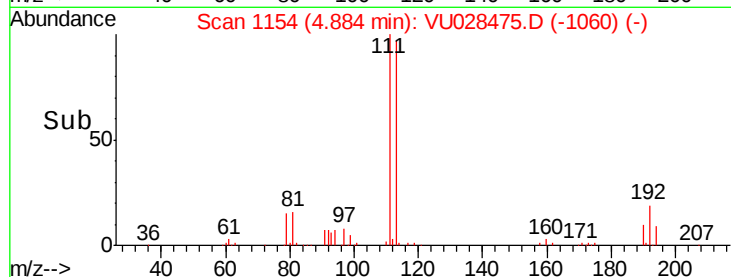
#35
 Dibromofluoromethane
 Concen: 63.291 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.8	15.4	23.0

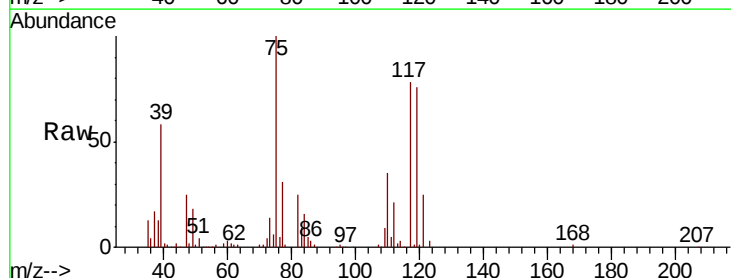


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

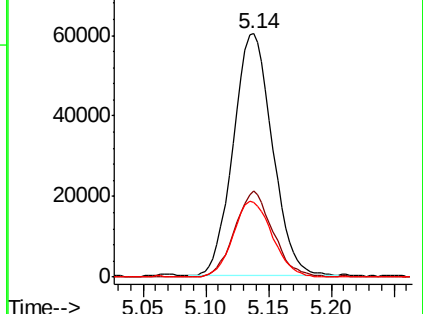
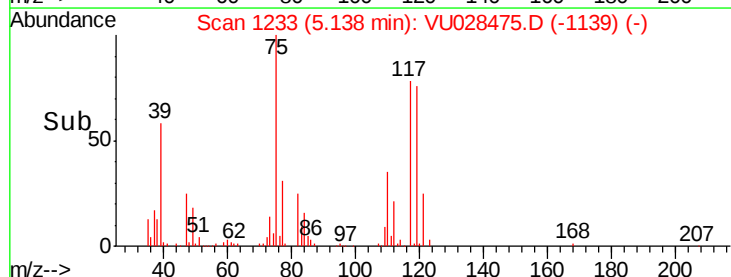


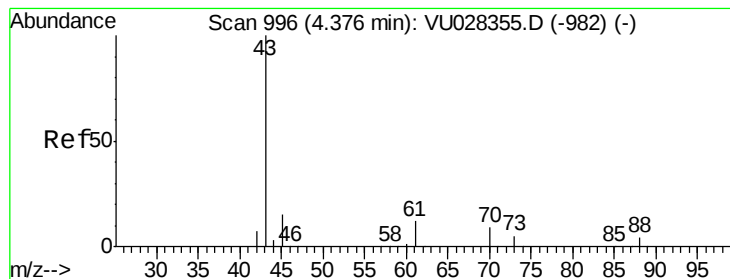
#36
 1,1-Dichloropropene
 Concen: 23.404 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	15.8	47.4
77	31.3	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 22.157 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.01 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

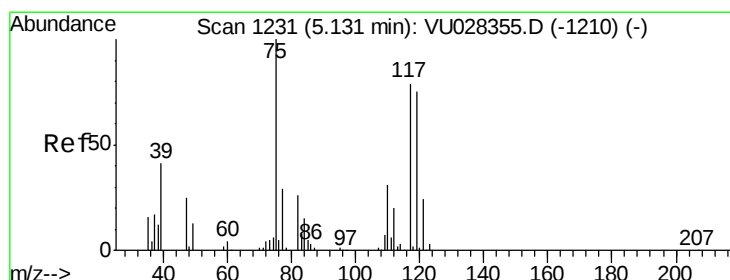
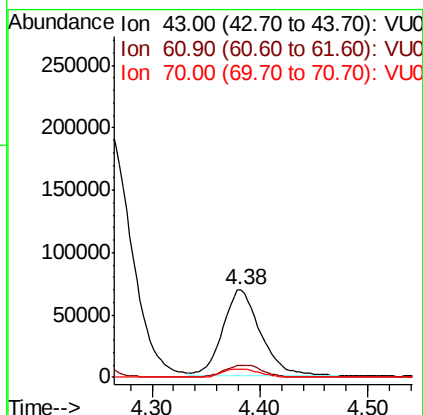
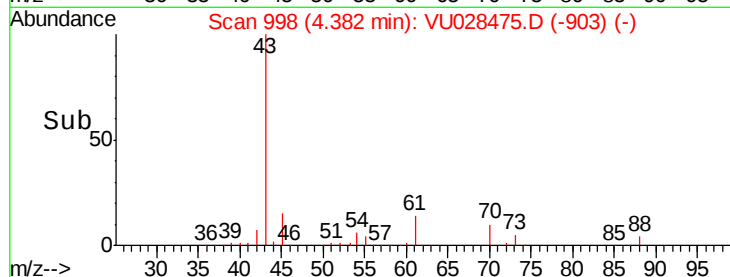
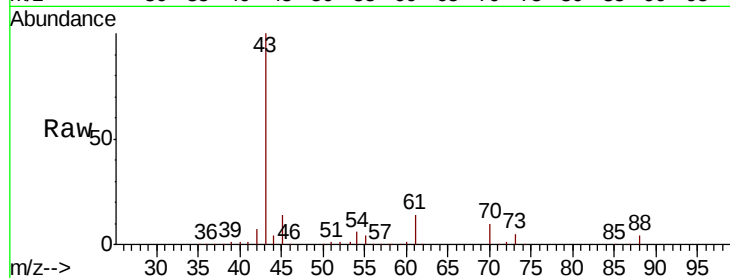
Tot Ion: 43 Resp: 169109

Ion Ratio Lower Upper

43 100

61 14.3 10.2 15.4

70 9.7 6.9 10.3



#38

Carbon Tetrachloride

Concen: 23.694 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

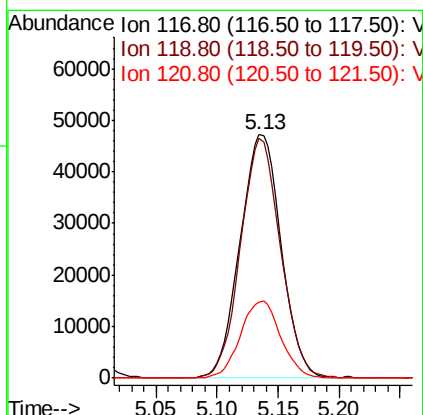
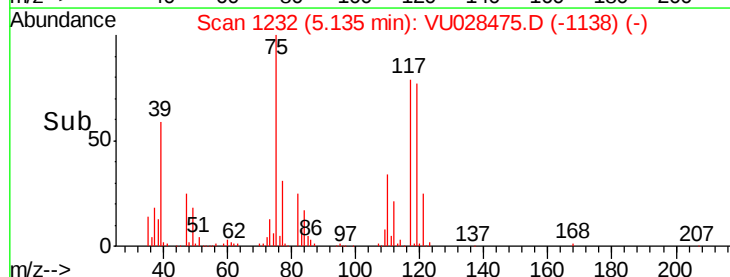
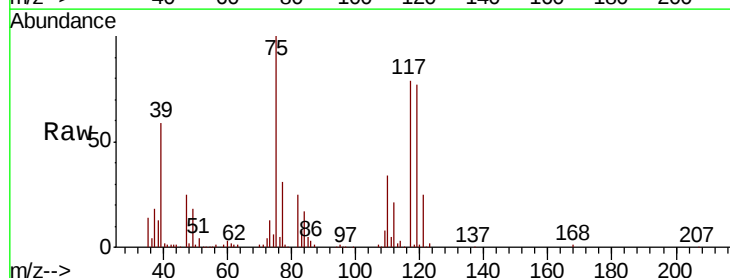
Tgt Ion: 117 Resp: 108970

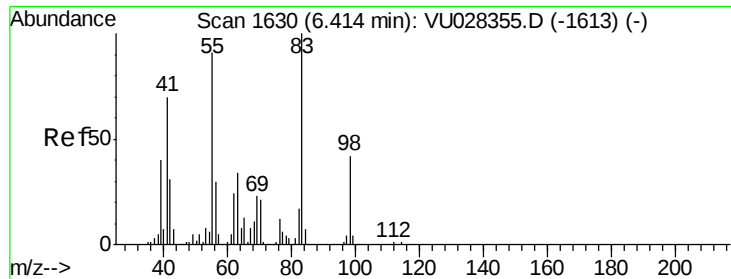
Ion Ratio Lower Upper

117 100

119 98.5 76.3 114.5

121 31.4 24.7 37.1

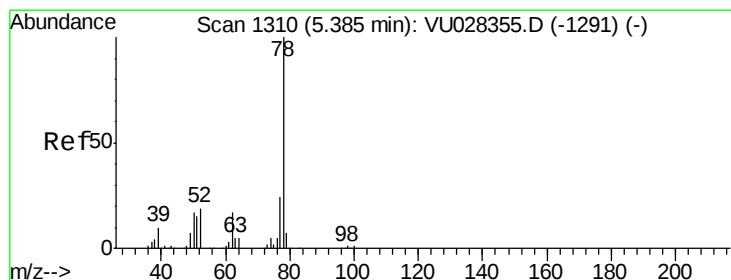
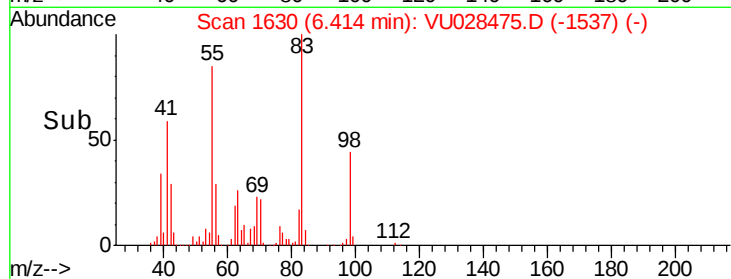
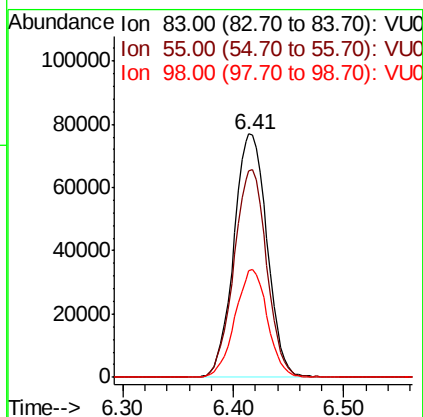
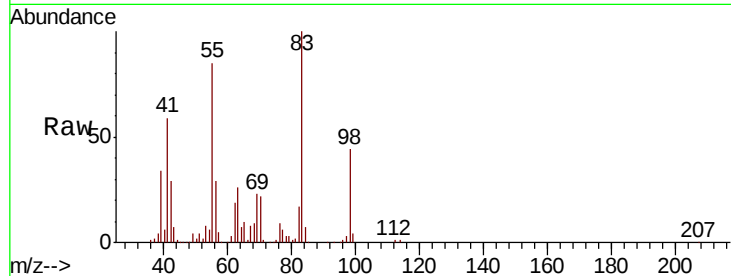




#39
Methvlcvclohexane
Concen: 24.258 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

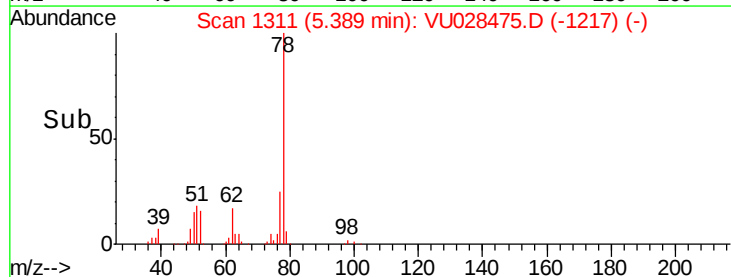
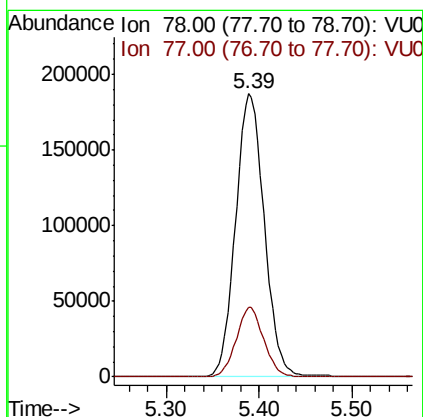
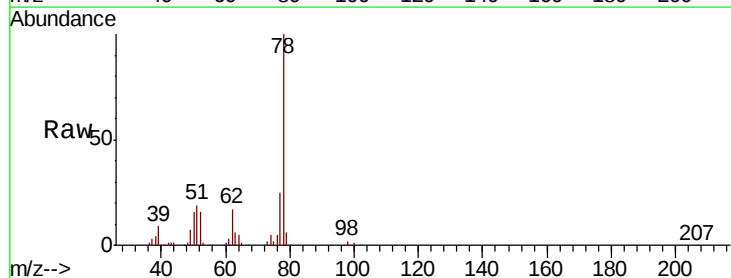
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

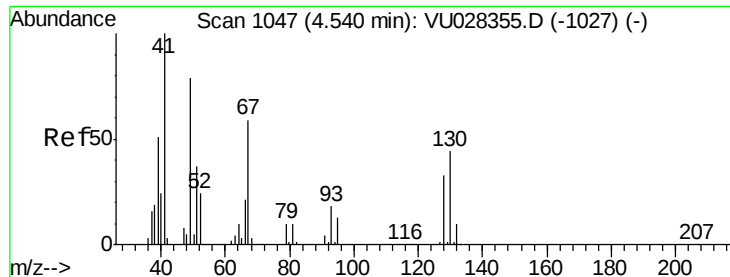
Tot Ion: 83 Resp: 160176
Ion Ratio Lower Upper
83 100
55 84.7 73.1 109.7
98 43.9 33.9 50.9



#40
Benzene
Concen: 24.262 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 78 Resp: 402440
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6

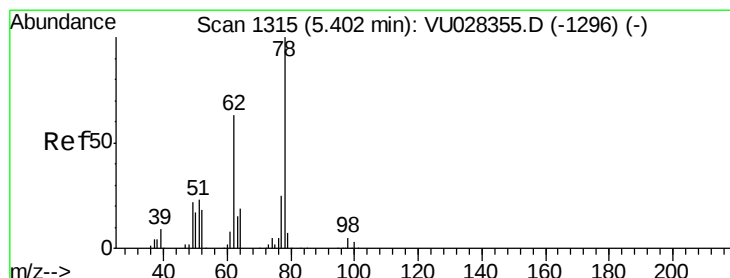
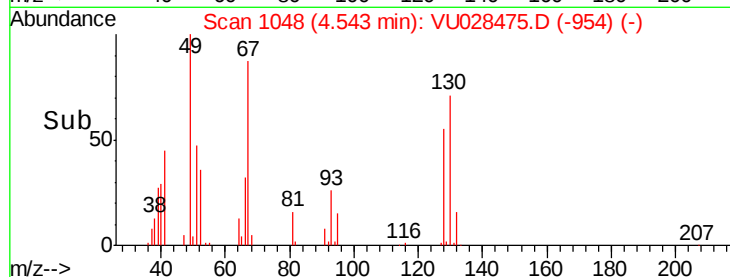
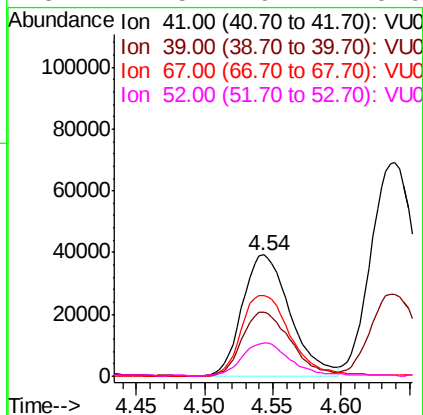
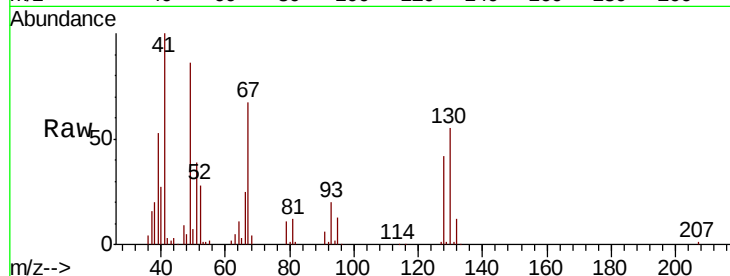




#41
Methacrylonitrile
Concen: 22.686 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

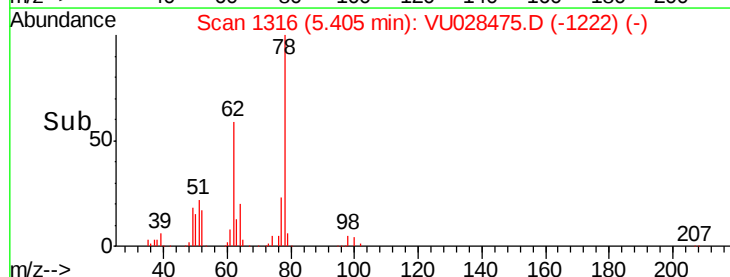
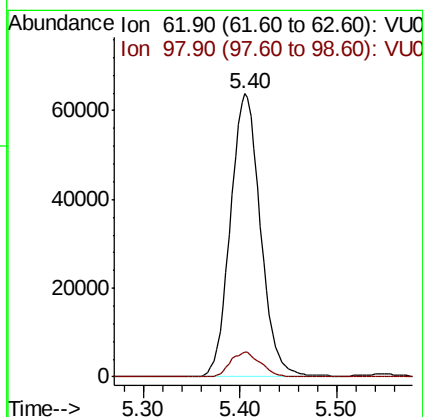
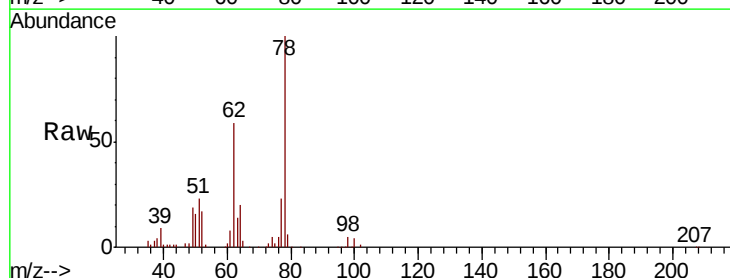
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

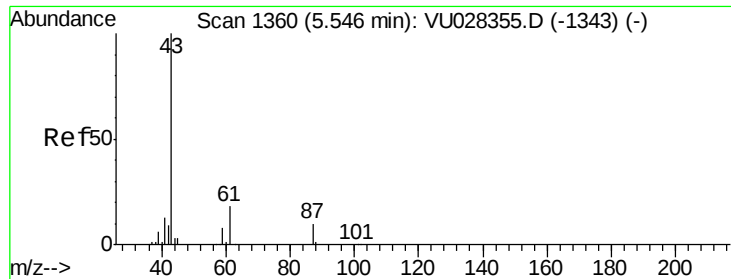
Tot Ion:	41	Resp:	96156
Ion	Ratio	Lower	Upper
41	100		
39	52.9	41.3	61.9
67	68.5	48.6	73.0
52	27.5	19.4	29.0



#42
1,2-Dichloroethane
Concen: 23.138 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:	62	Resp:	138261
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 22.923 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

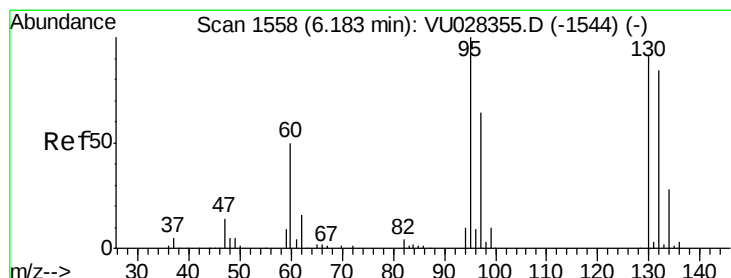
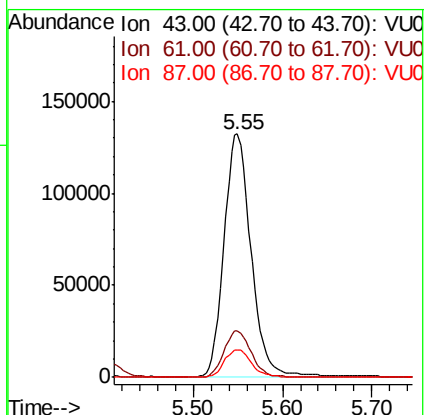
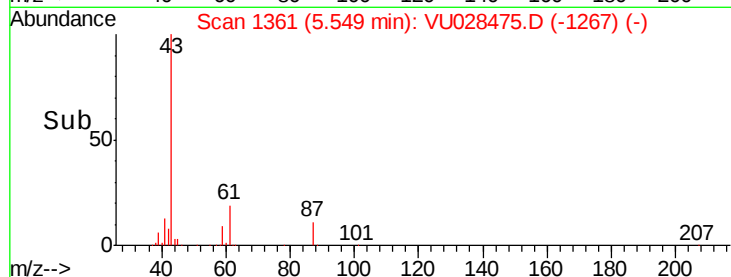
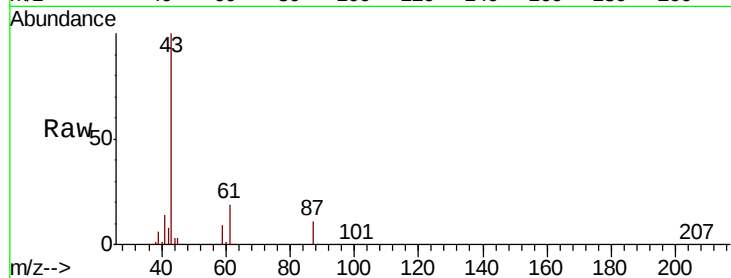
Tot Ion: 43 Resp: 277242

Ion Ratio Lower Upper

43 100

61 19.4 14.5 21.7

87 11.6 8.4 12.6



#44

Trichloroethene

Concen: 26.170 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028475.D

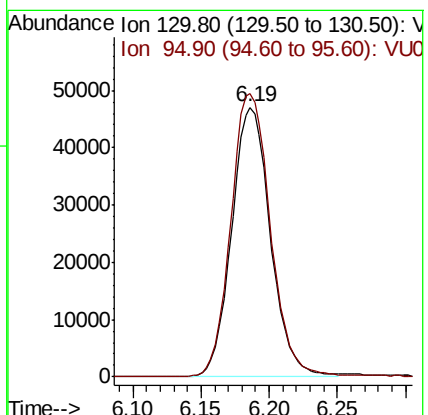
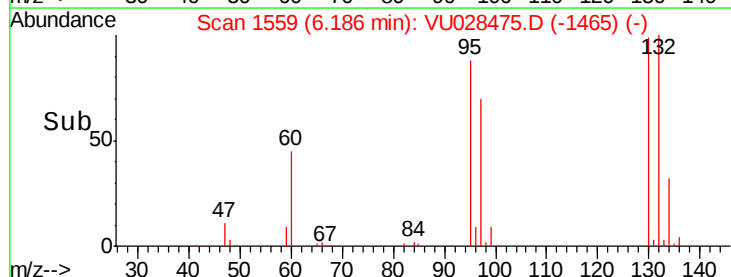
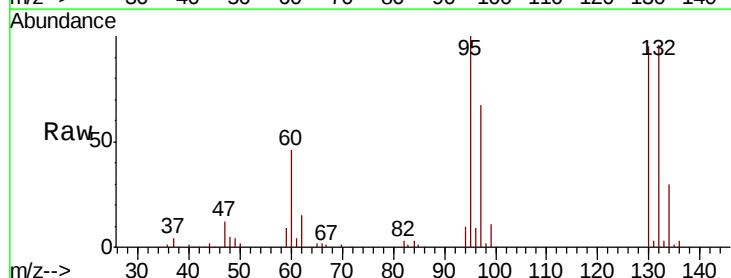
Acq: 05 Dec 2018 13:15

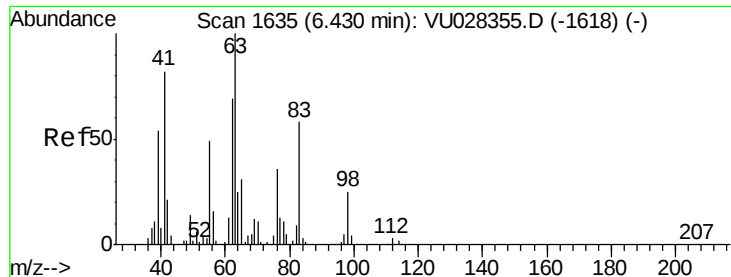
Tgt Ion: 130 Resp: 93049

Ion Ratio Lower Upper

130 100

95 104.8 0.0 219.8





#45

1,2-Dichloropropane

Concen: 23.243 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

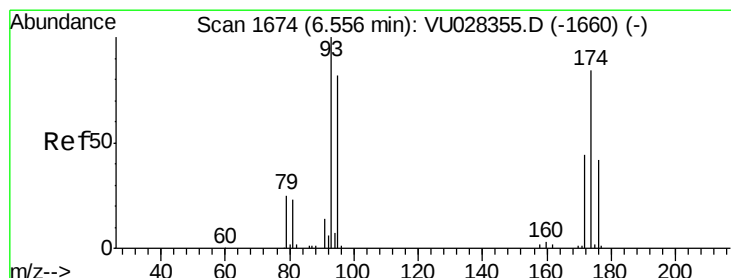
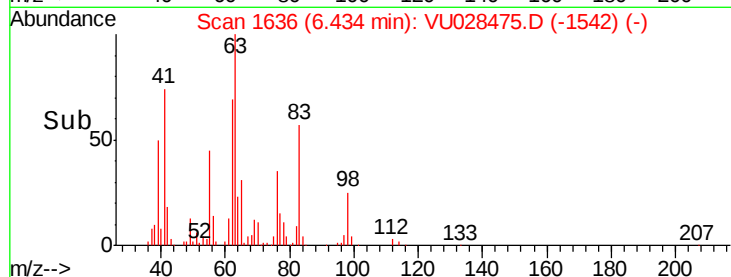
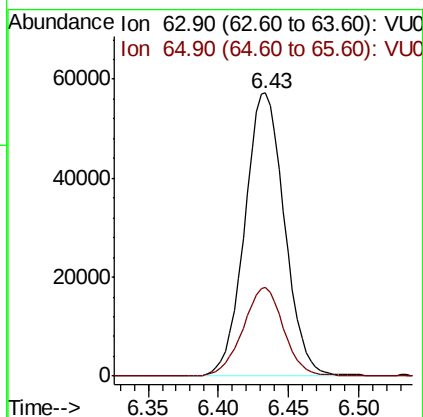
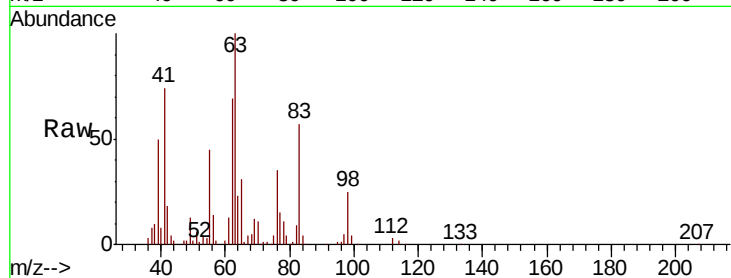
VU1205WBS02

Tot Ion: 63 Resp: 112903

Ion Ratio Lower Upper

63 100

65 31.2 25.1 37.7



#46

Dibromomethane

Concen: 23.914 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

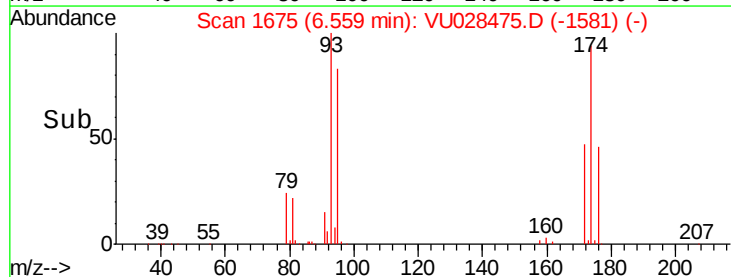
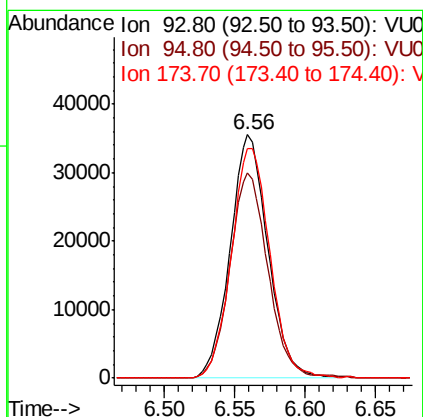
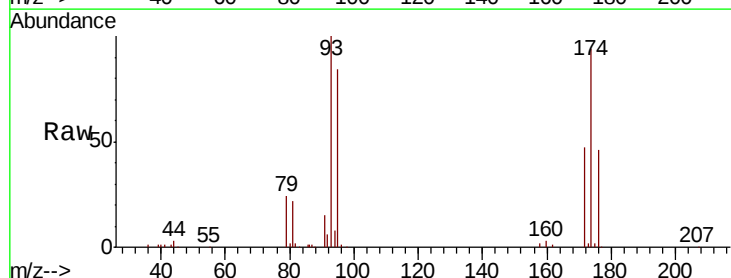
Tgt Ion: 93 Resp: 66724

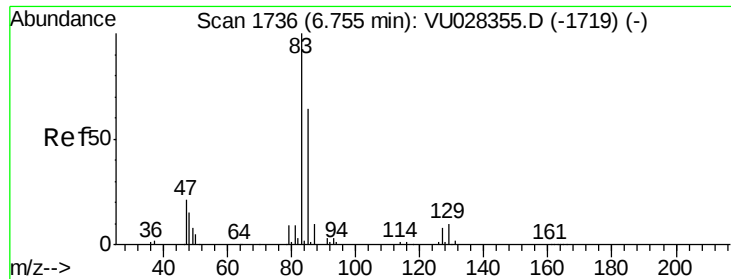
Ion Ratio Lower Upper

93 100

95 84.4 65.1 97.7

174 96.2 69.9 104.9

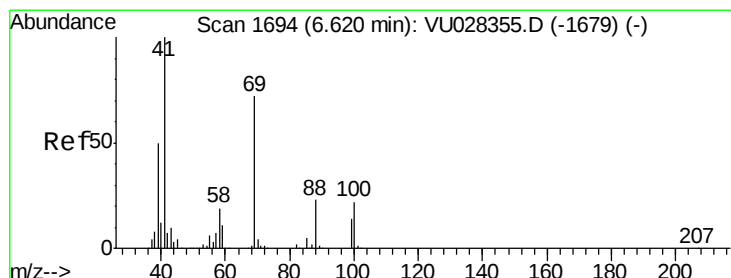
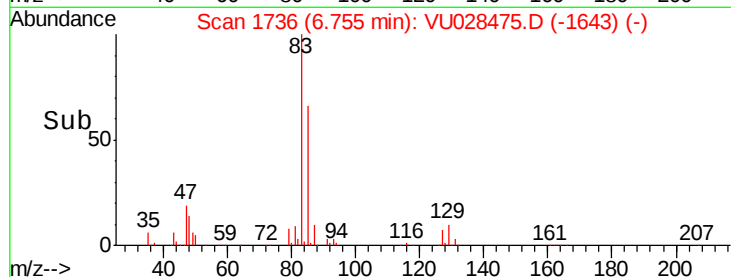
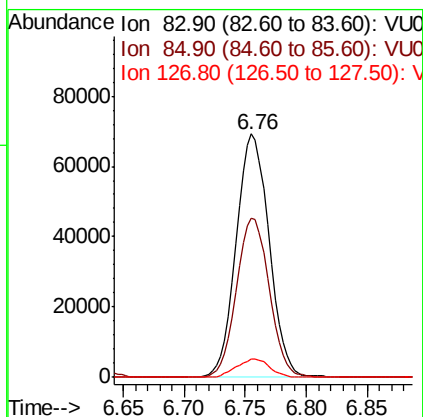
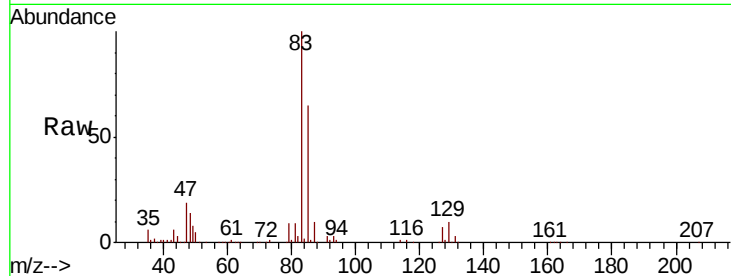




#47
Bromodichloromethane
Concen: 23.303 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

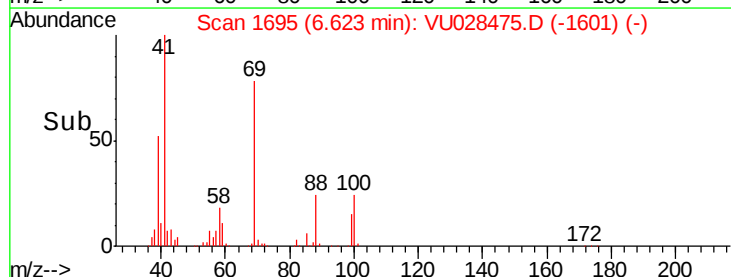
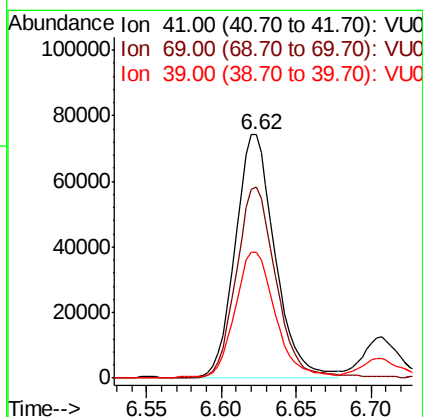
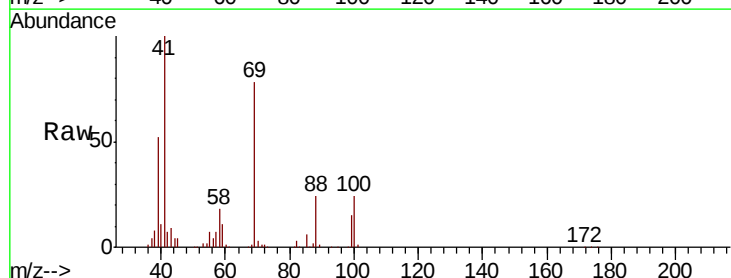
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

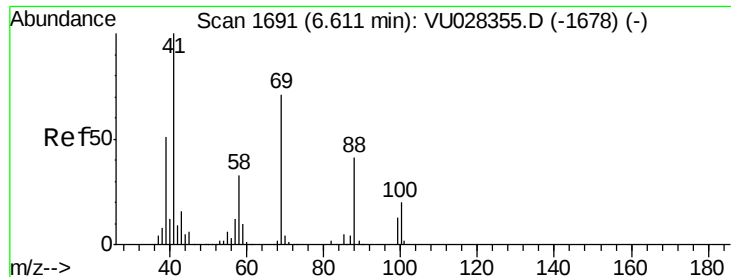
Tot Ion: 83 Resp: 129326
Ion Ratio Lower Upper
83 100
85 65.2 50.9 76.3
127 7.4 6.2 9.4



#48
Methyl methacrylate
Concen: 21.658 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 41 Resp: 136445
Ion Ratio Lower Upper
41 100
69 79.0 59.0 88.4
39 52.6 40.5 60.7

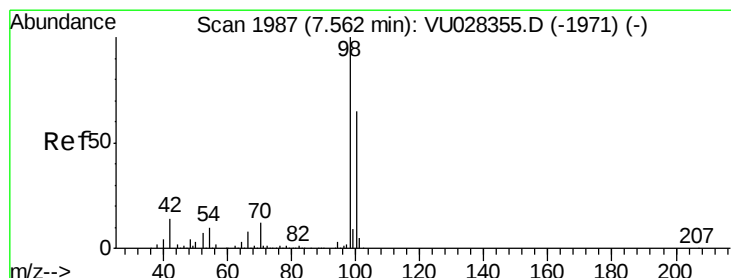
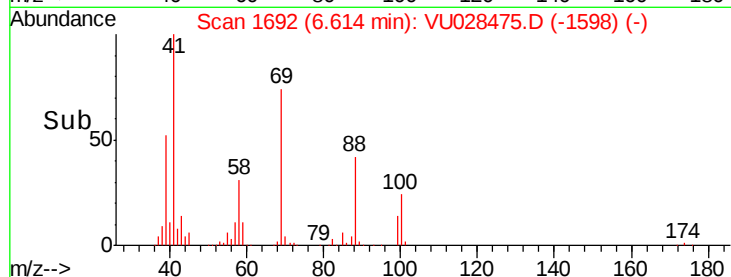
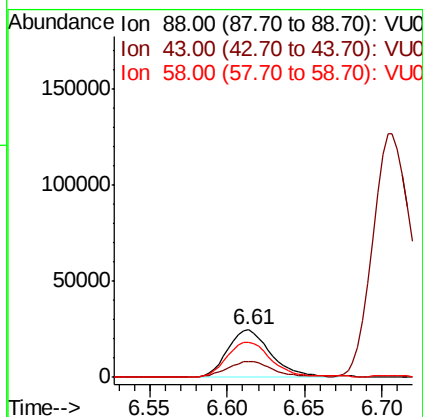
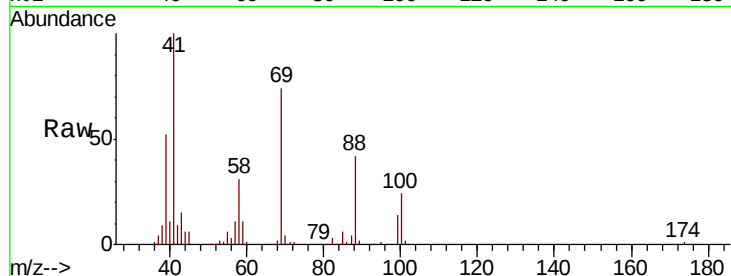




#49
1,4-Dioxane
Concen: 470.220 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

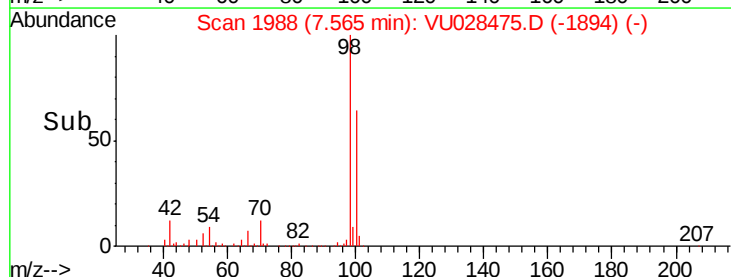
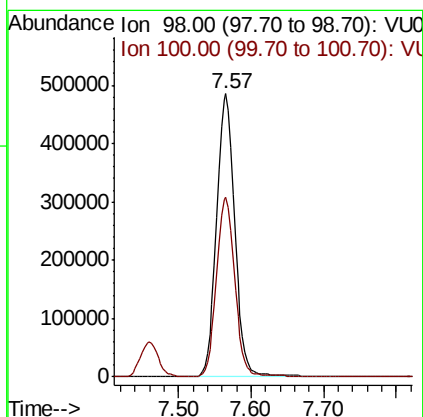
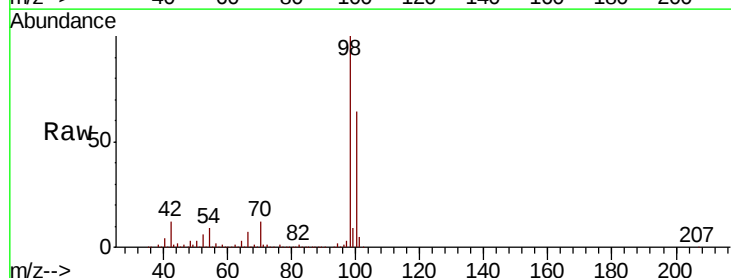
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

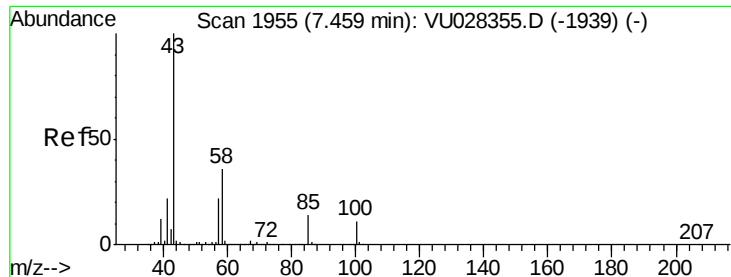
Tot Ion: 88 Resp: 47325
Ion Ratio Lower Upper
88 100
43 35.1 32.6 48.8
58 78.7 68.7 103.1



#50
Toluene-d8
Concen: 62.543 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 98 Resp: 851249
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2

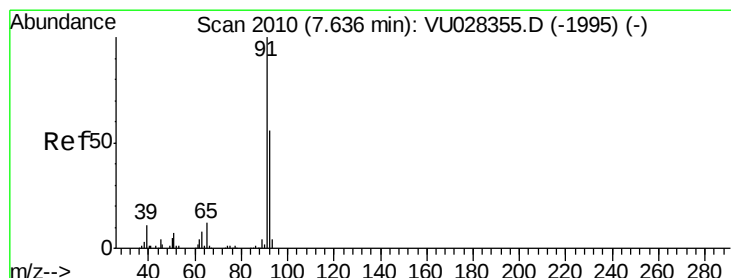
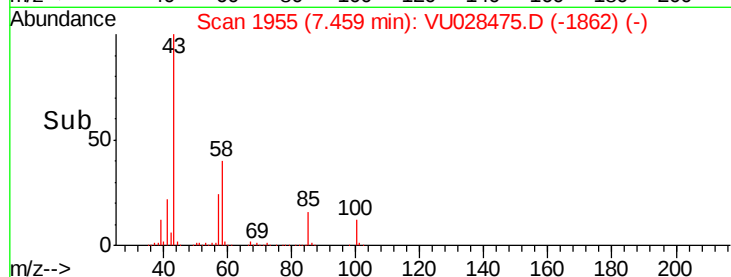
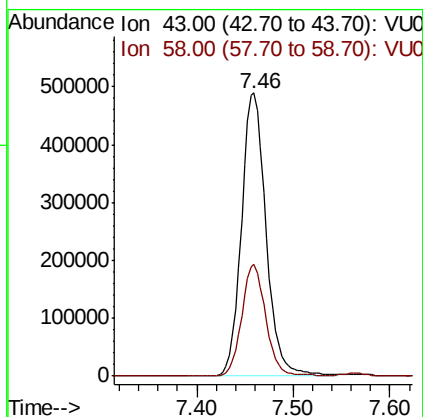
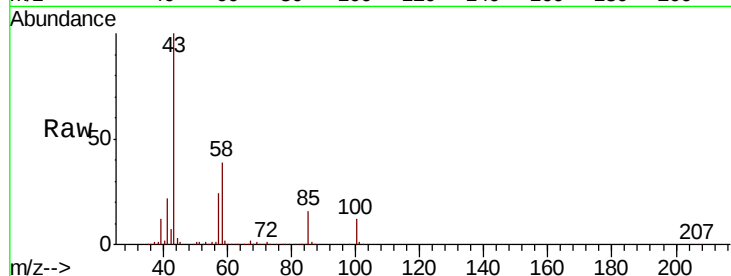




#51
4-Methyl-2-Pentanone
Concen: 112.018 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

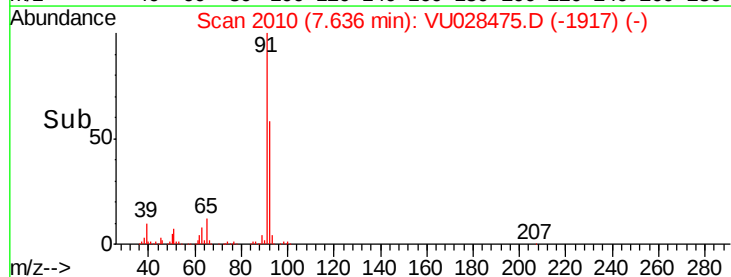
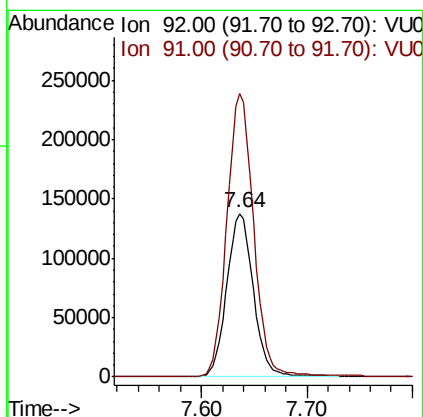
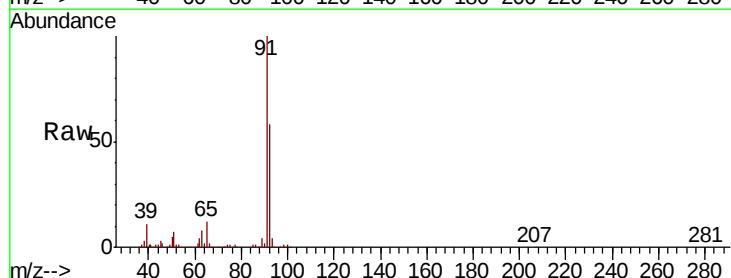
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

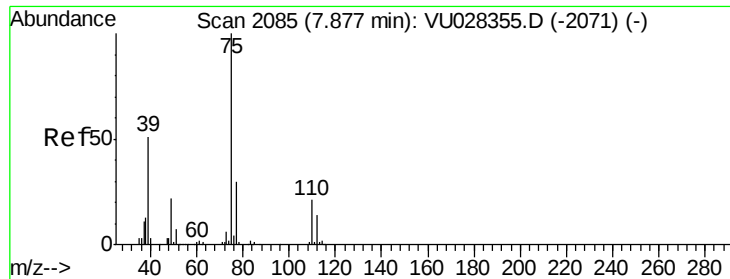
Tot Ion: 43 Resp: 865290
Ion Ratio Lower Upper
43 100
58 38.7 28.8 43.2



#52
Toluene
Concen: 25.210 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 92 Resp: 240801
Ion Ratio Lower Upper
92 100
91 173.6 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 23.473 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

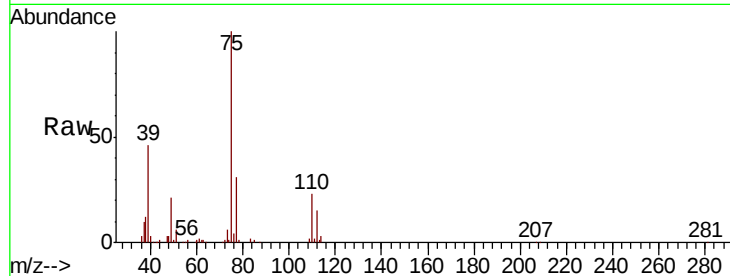
VU1205WBS02

Tot Ion: 75 Resp: 155773

Ion Ratio Lower Upper

75 100

77 30.9 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

100000

80000

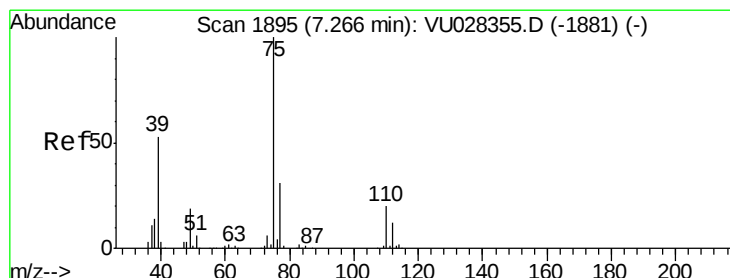
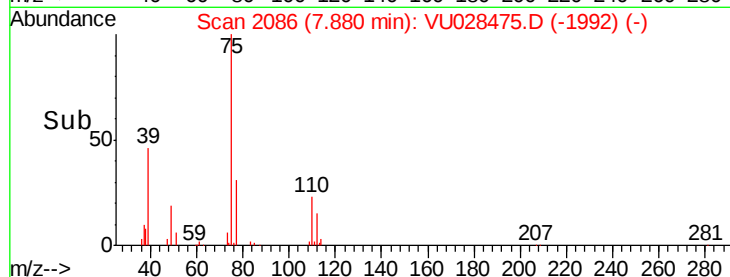
60000

40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00



#54

cis-1,3-Dichloropropene

Concen: 23.762 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

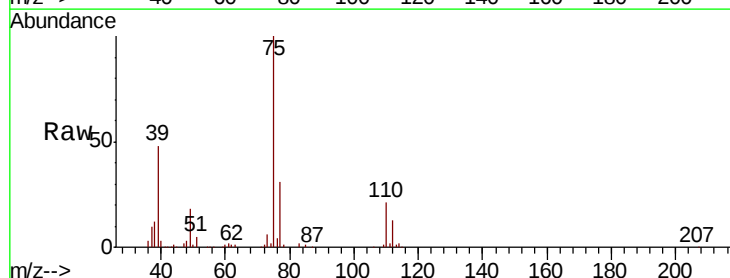
Tgt Ion: 75 Resp: 168931

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 47.7 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

120000

100000

80000

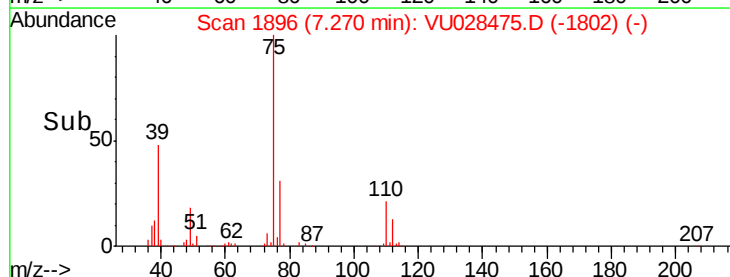
60000

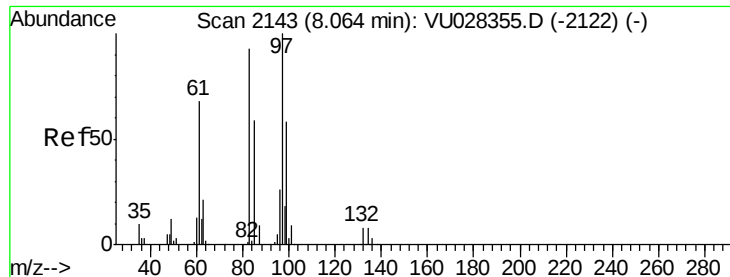
40000

20000

0

Time--> 7.20 7.25 7.30 7.35





#55

1,1,2-Trichloroethane

Concen: 25.016 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

Tot Ion: 97 Resp: 99448

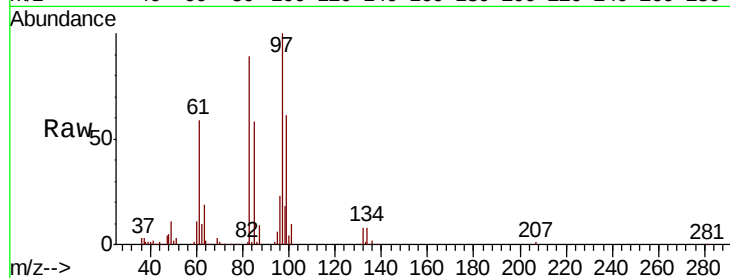
Ion Ratio Lower Upper

97 100

83 89.3 74.3 111.5

85 58.2 47.2 70.8

99 60.7 48.9 73.3

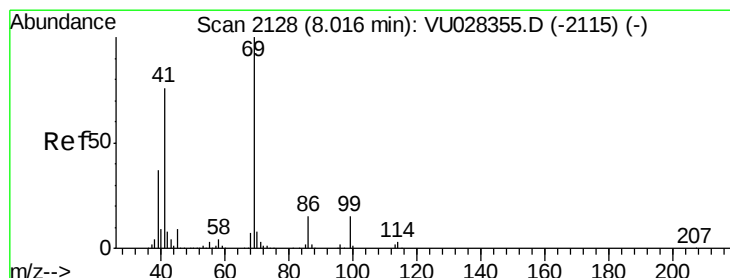
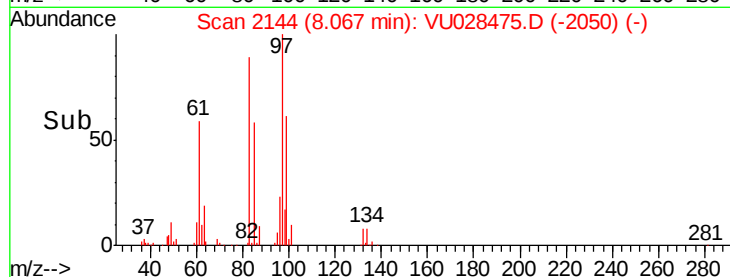
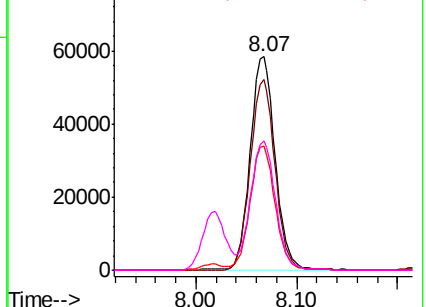


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 24.175 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

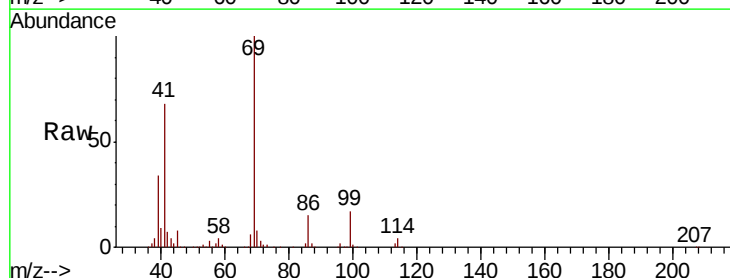
Tgt Ion: 69 Resp: 163497

Ion Ratio Lower Upper

69 100

41 69.0 60.0 90.0

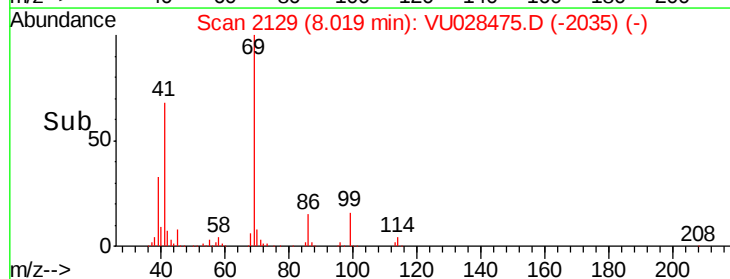
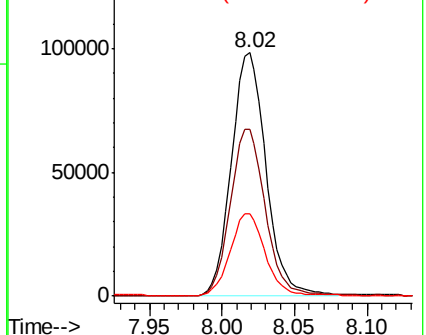
39 33.6 29.0 43.6

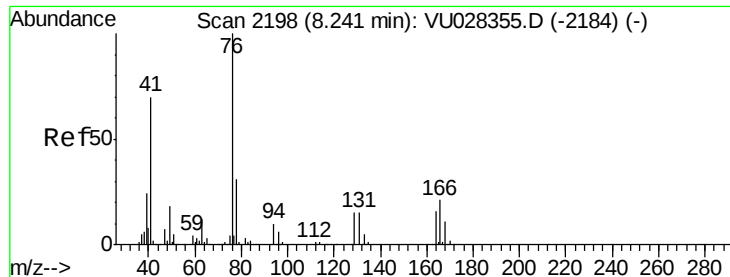


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 23.849 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

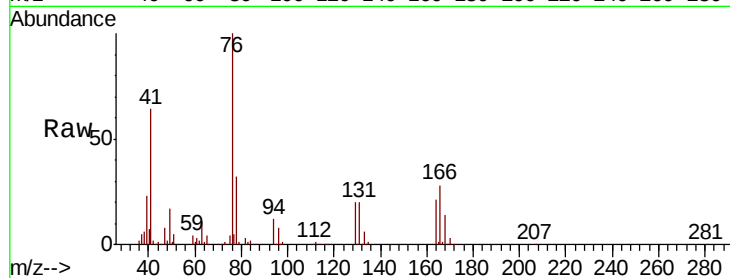
VU1205WBS02

Tot Ion: 76 Resp: 173860

Ion Ratio Lower Upper

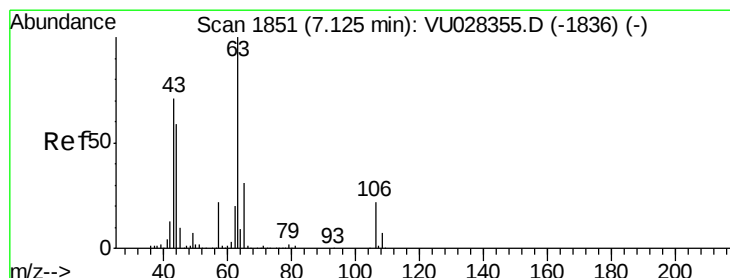
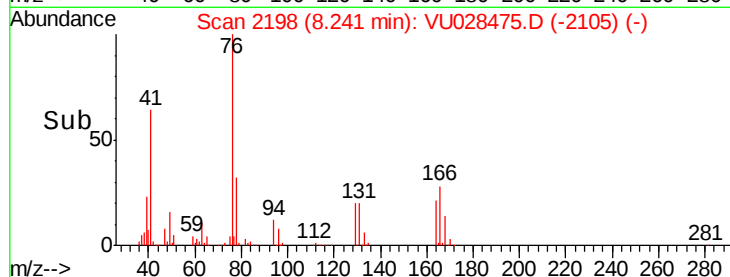
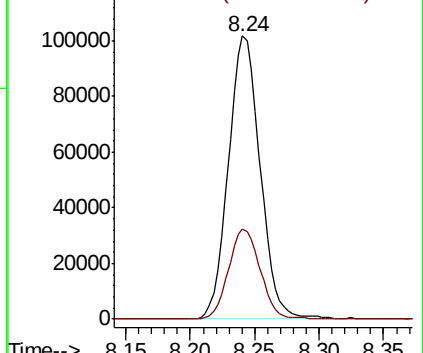
76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 113.517 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028475.D

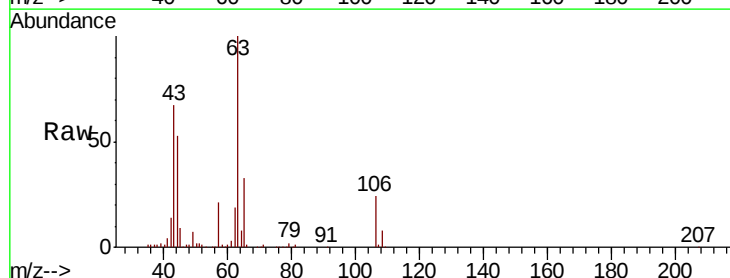
Acq: 05 Dec 2018 13:15

Tgt Ion: 63 Resp: 412173

Ion Ratio Lower Upper

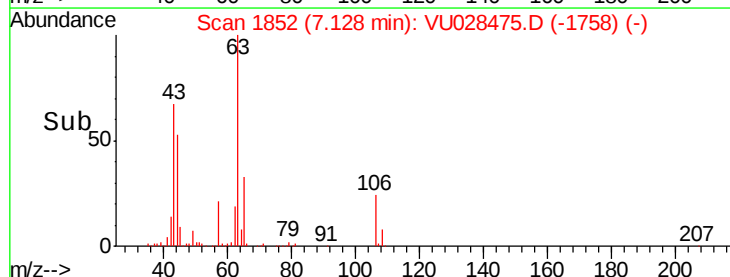
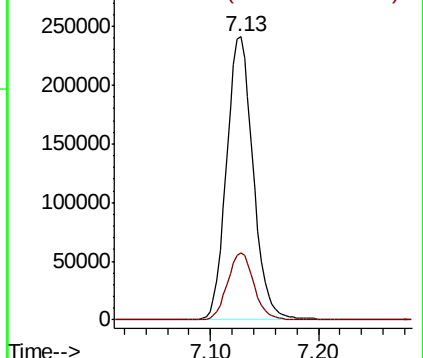
63 100

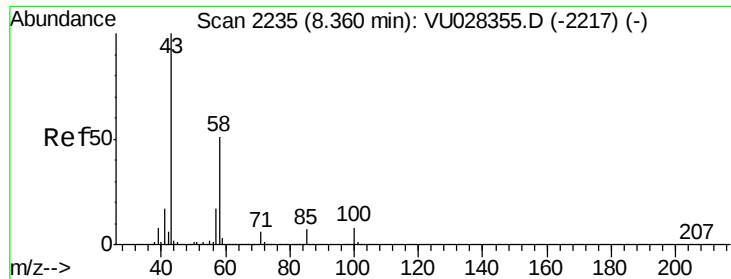
106 23.6 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

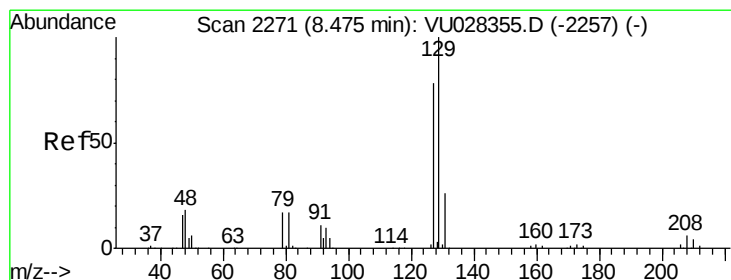
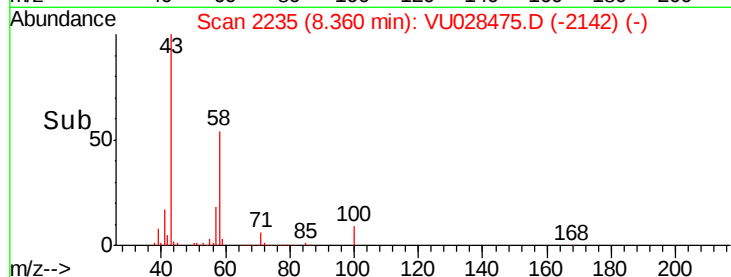
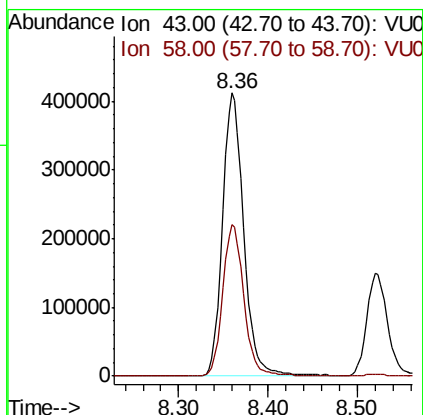
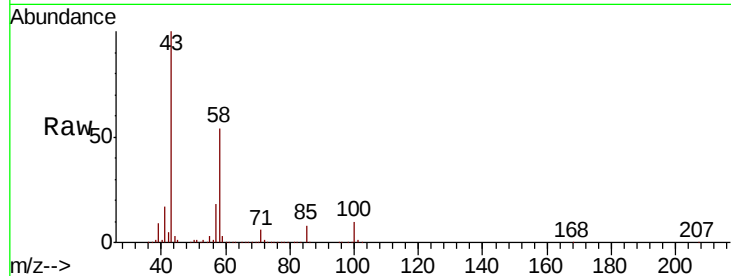




#59
2-Hexanone
Concen: 112.996 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

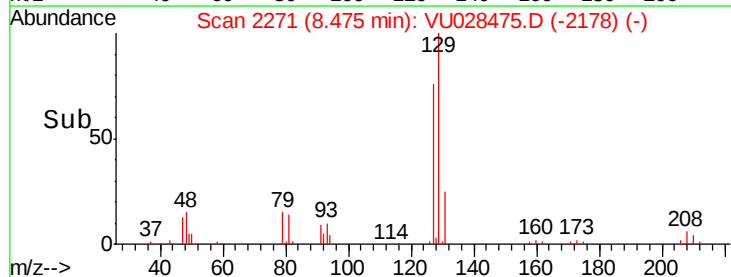
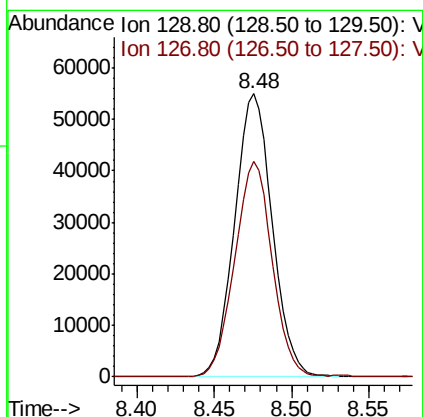
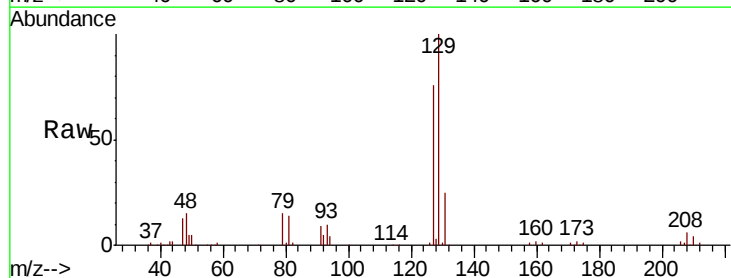
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

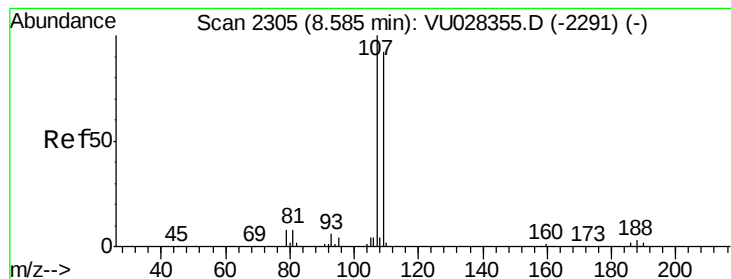
Tot Ion: 43 Resp: 676105
Ion Ratio Lower Upper
43 100
58 53.6 25.5 76.5



#60
Dibromochloromethane
Concen: 24.581 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion: 129 Resp: 92935
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 24.876 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

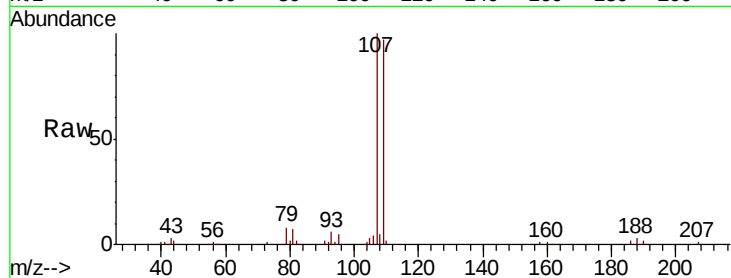
VU1205WBS02

Tot Ion:107 Resp: 101283

Ion Ratio Lower Upper

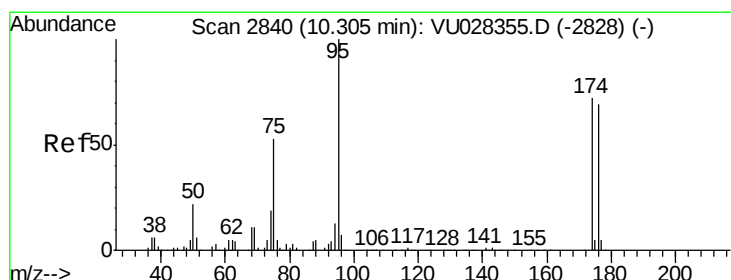
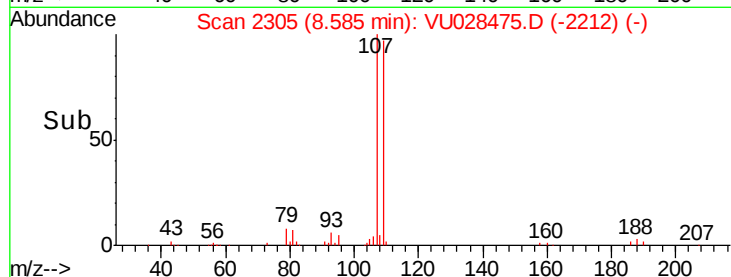
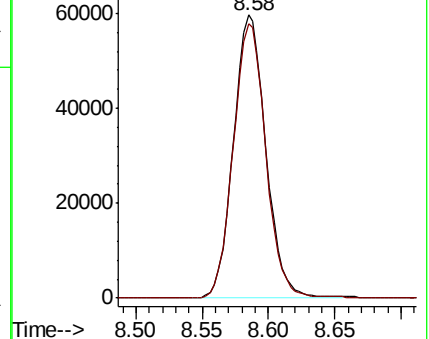
107 100

109 96.9 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 65.655 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

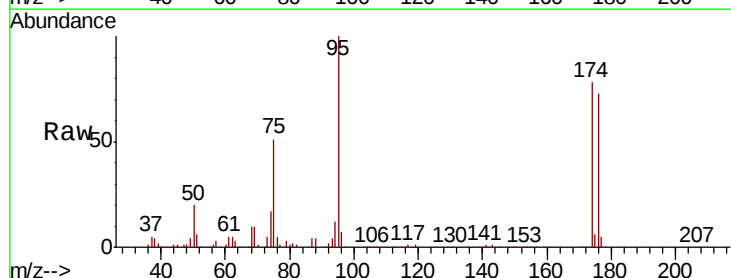
Tgt Ion: 95 Resp: 322081

Ion Ratio Lower Upper

95 100

174 76.5 0.0 145.4

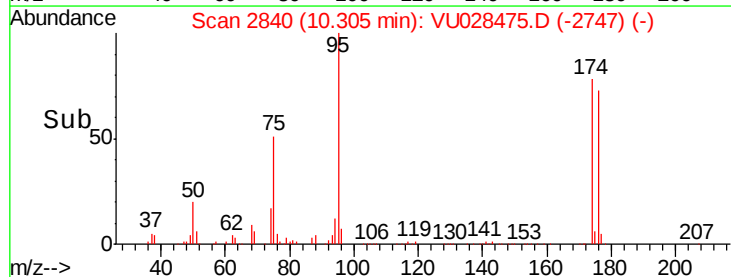
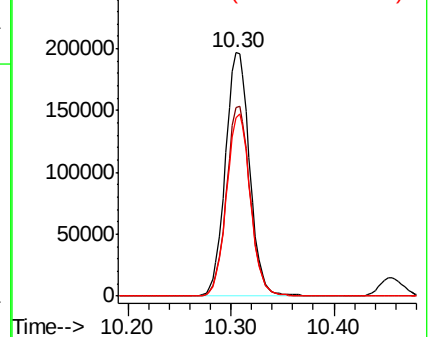
176 73.7 0.0 140.8

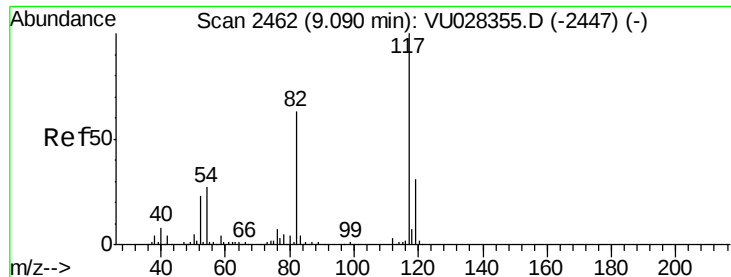


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

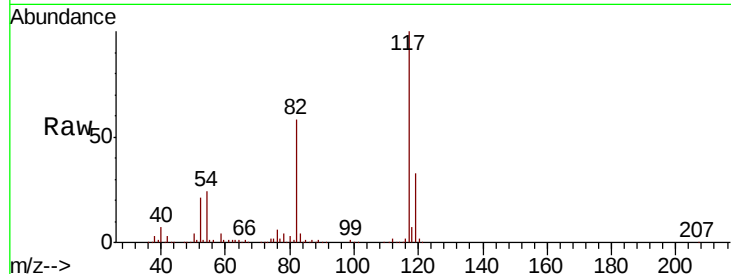




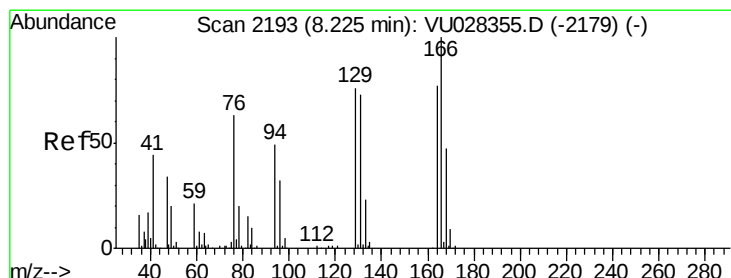
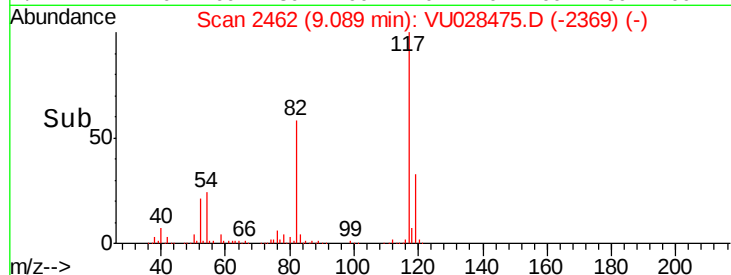
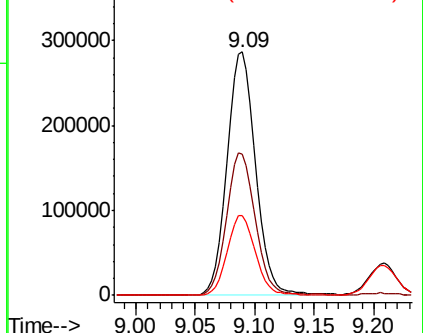
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion:117 Resp: 478086
Ion Ratio Lower Upper
117 100
82 57.8 50.3 75.5
119 32.8 24.8 37.2

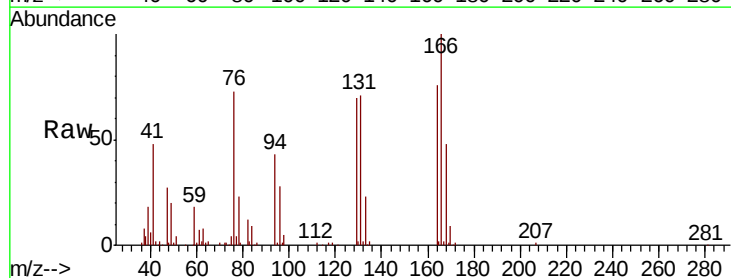


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

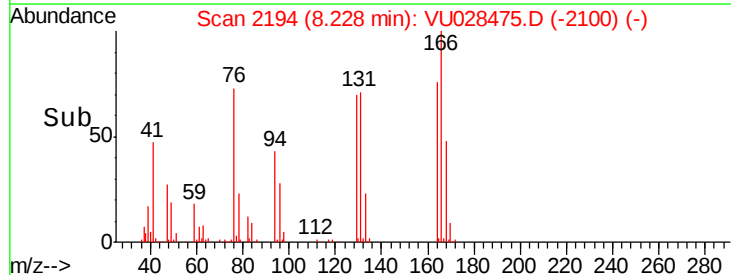
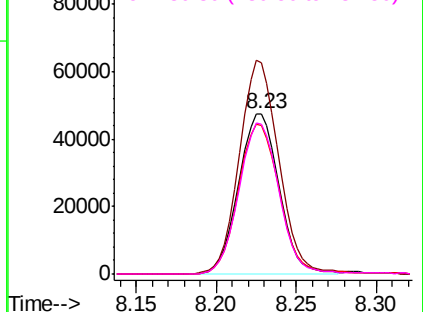


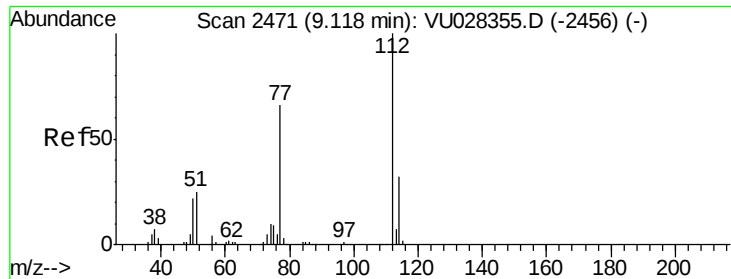
#64
Tetrachloroethene
Concen: 26.010 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:164 Resp: 81797
Ion Ratio Lower Upper
164 100
166 132.0 104.0 156.0
129 92.8 79.2 118.8
131 93.6 75.7 113.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

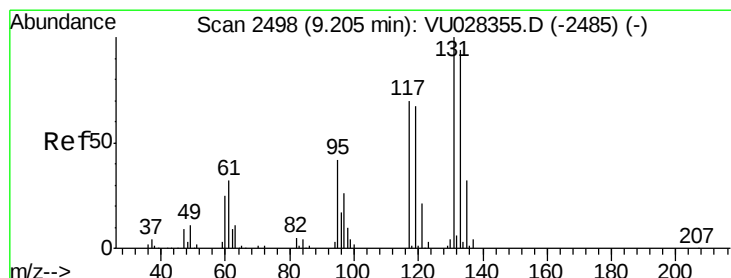
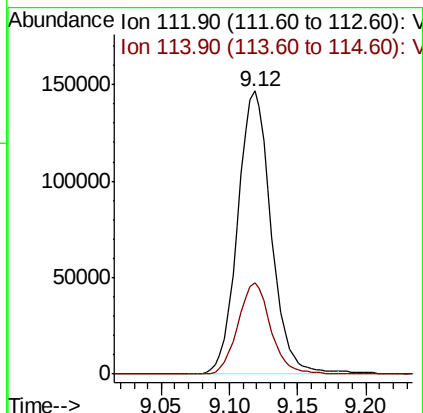
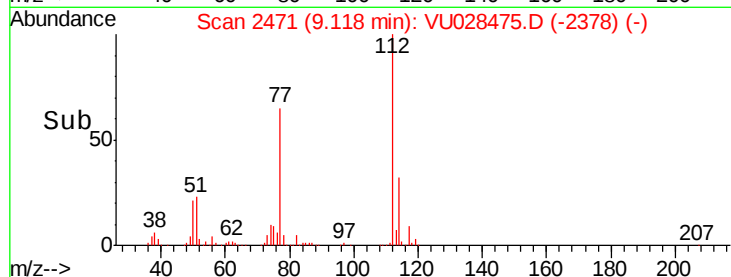
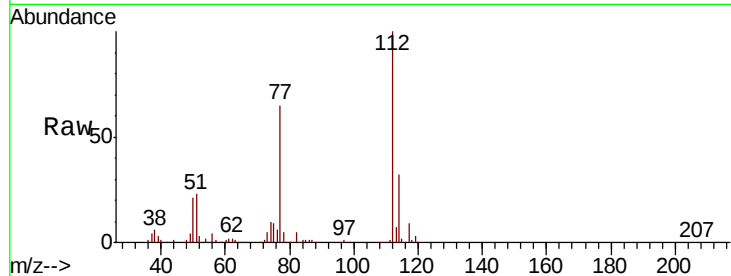




#65
Chlorobenzene
Concen: 25.099 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

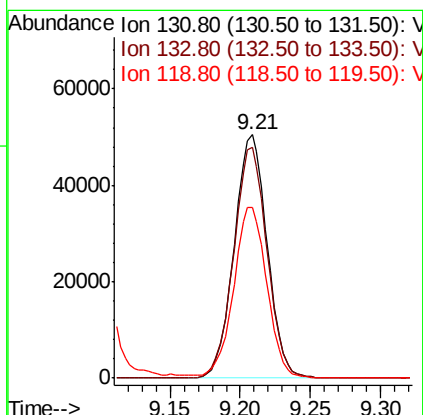
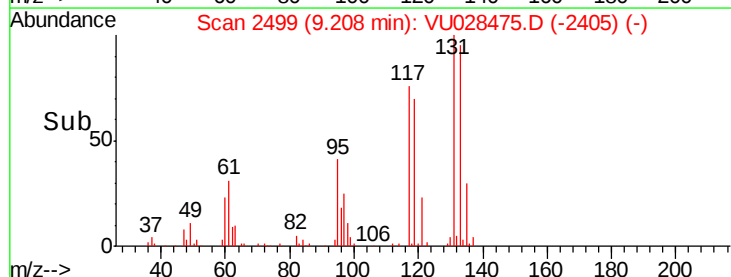
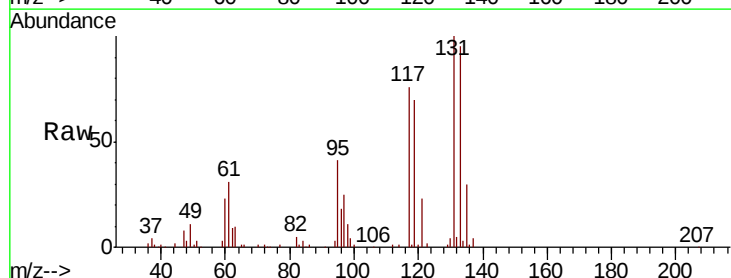
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

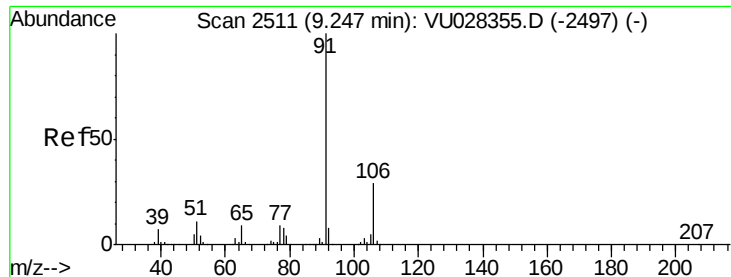
Tot Ion:112 Resp: 249163
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 24.330 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:131 Resp: 82788
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 70.8 34.1 102.2





#67

Ethyl Benzene

Concen: 24.556 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

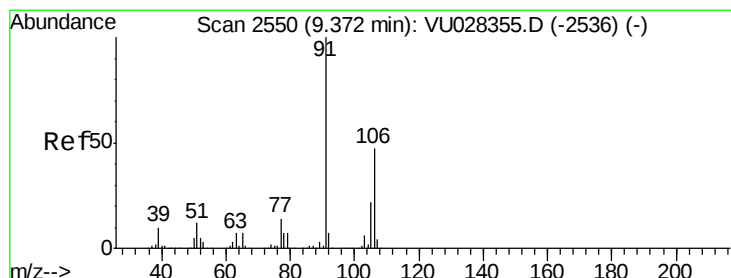
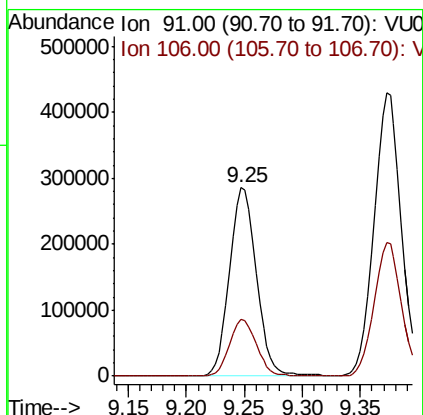
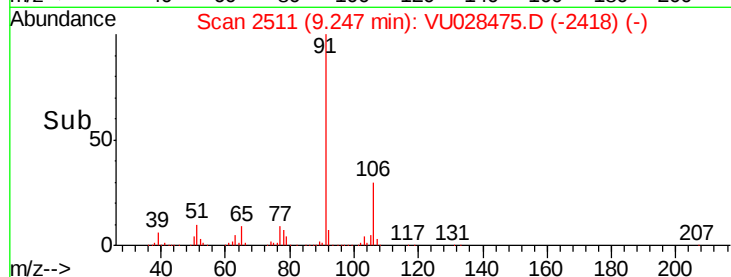
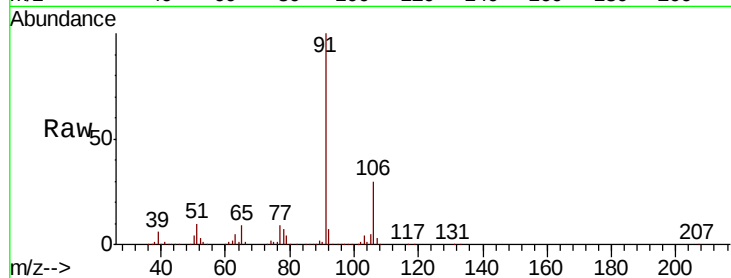
VU1205WBS02

Tot Ion: 91 Resp: 459119

Ion Ratio Lower Upper

91 100

106 30.0 23.3 34.9



#68

m/p-Xylenes

Concen: 49.515 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028475.D

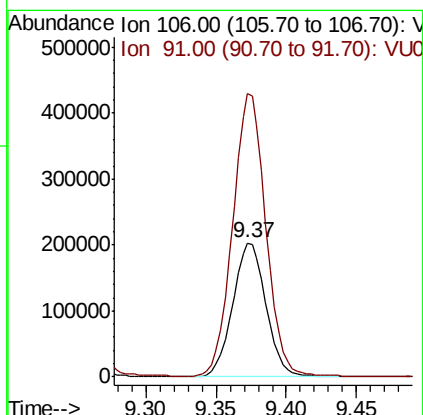
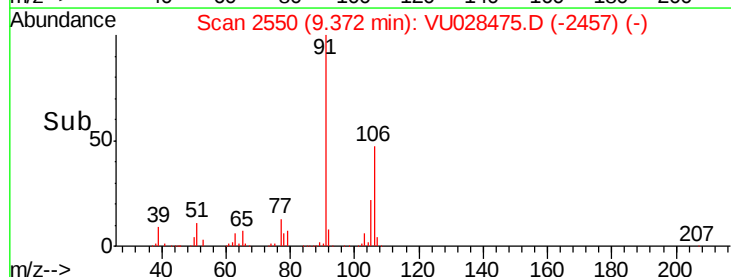
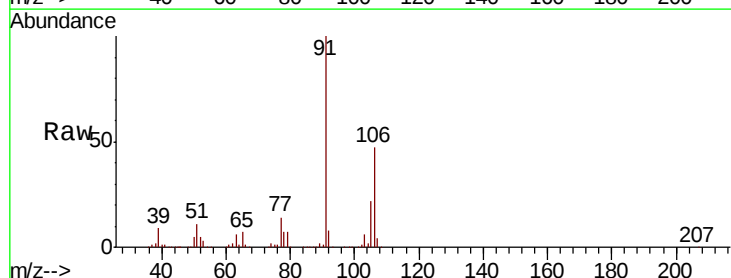
Acq: 05 Dec 2018 13:15

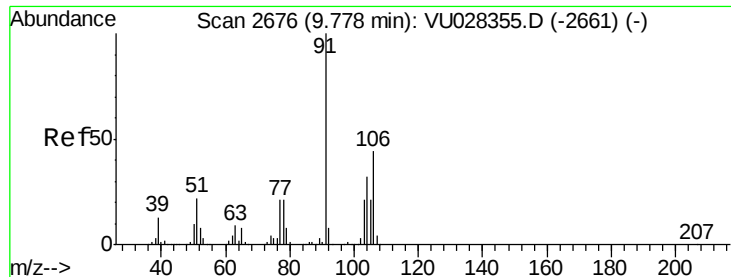
Tgt Ion: 106 Resp: 333222

Ion Ratio Lower Upper

106 100

91 212.6 171.0 256.6

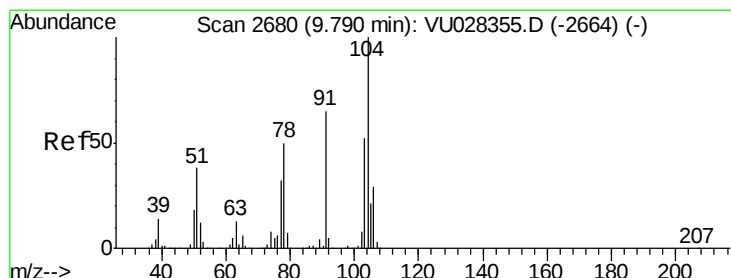
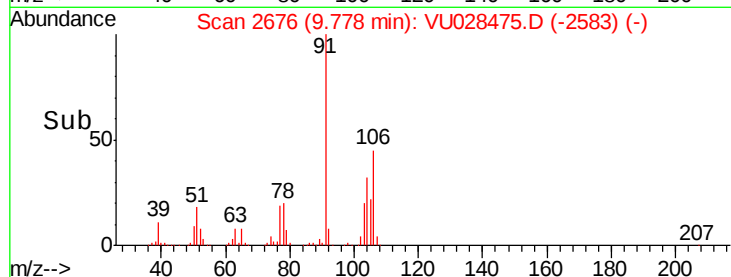
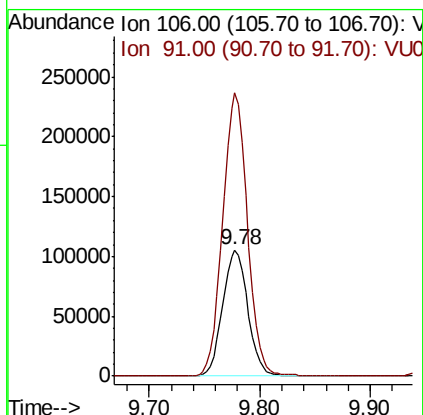
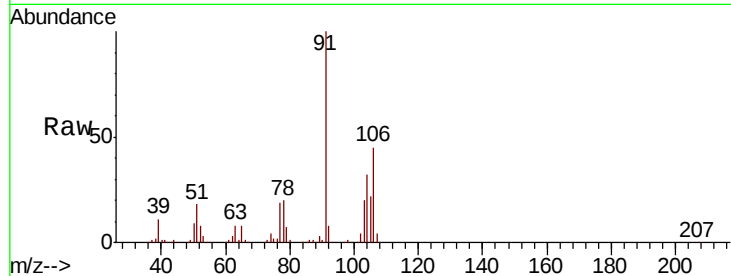




#69
o-Xylene
Concen: 24.913 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

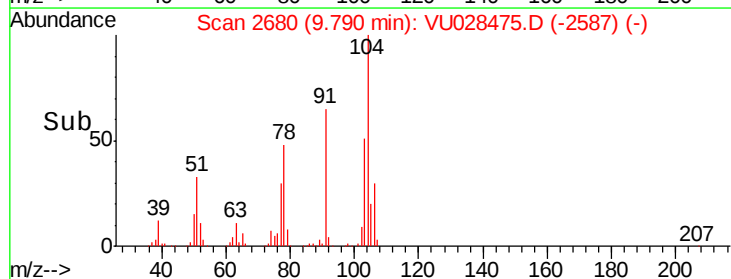
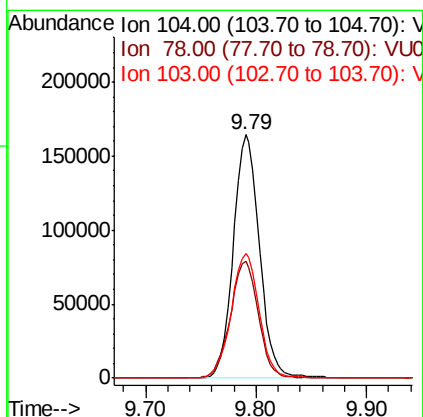
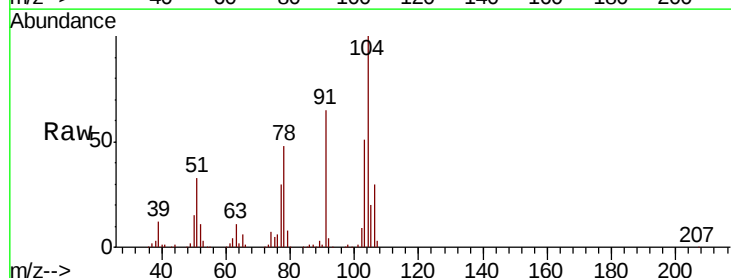
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

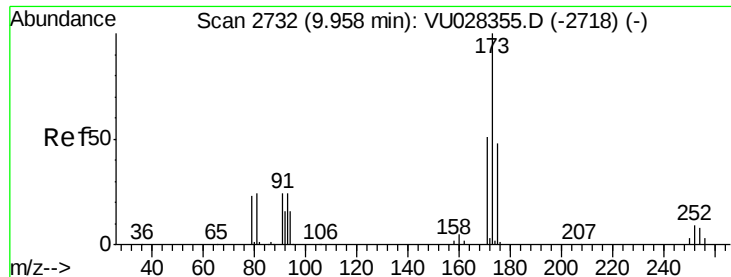
Tot Ion:106 Resp: 166664
Ion Ratio Lower Upper
106 100
91 221.3 112.7 338.0



#70
Styrene
Concen: 25.122 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:104 Resp: 271053
Ion Ratio Lower Upper
104 100
78 51.4 43.3 64.9
103 54.4 44.8 67.2





#71

Bromoform

Concen: 23.637 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

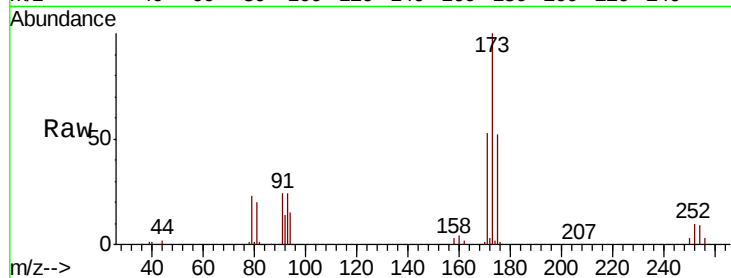
Tot Ion:173 Resp: 67603

Ion Ratio Lower Upper

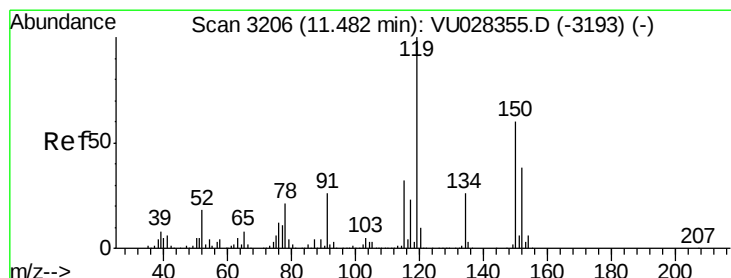
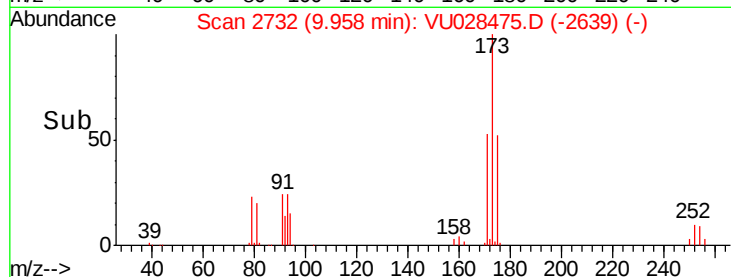
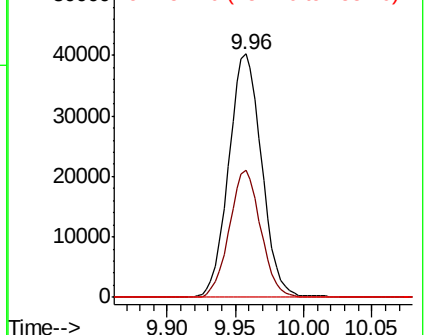
173 100

175 49.6 24.1 72.4

254 0.0 0.0 0.0



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: VU028475.D

Acq: 05 Dec 2018 13:15

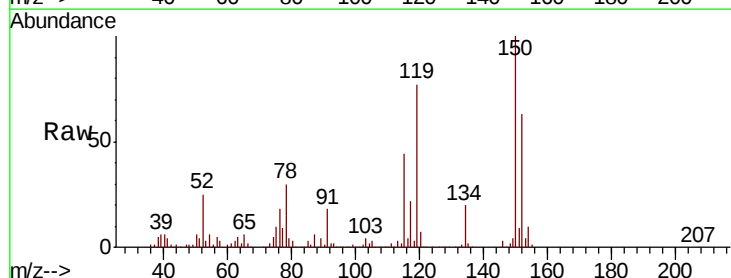
Tgt Ion:152 Resp: 234694

Ion Ratio Lower Upper

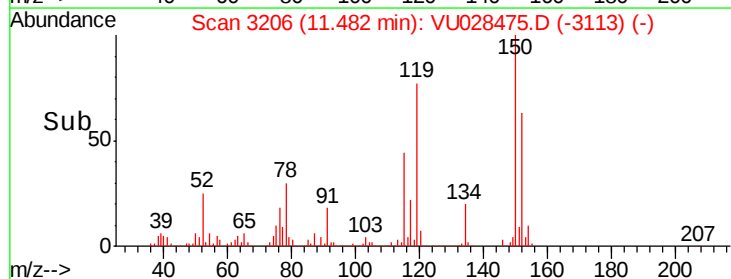
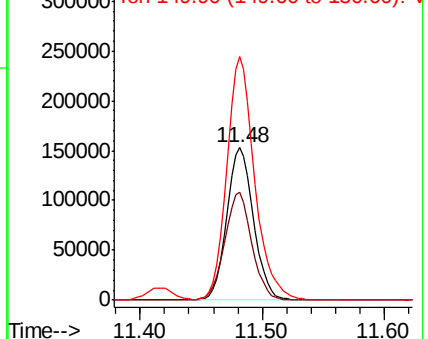
152 100

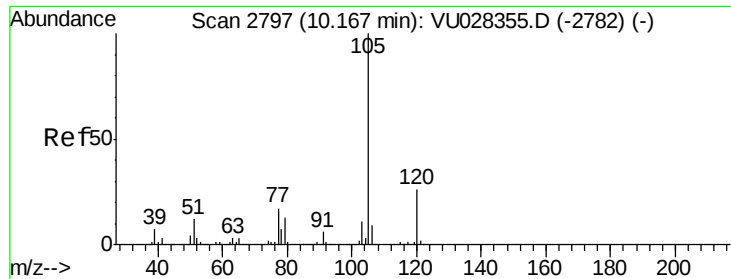
115 72.0 45.0 134.8

150 165.6 0.0 349.2



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: 24.227 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

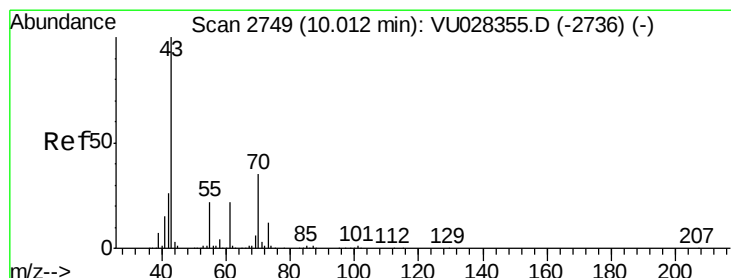
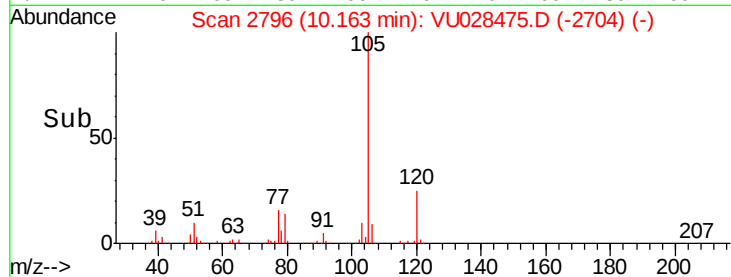
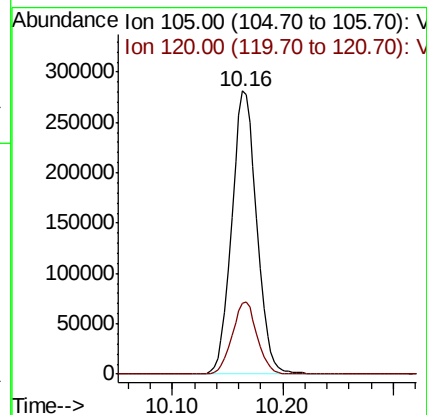
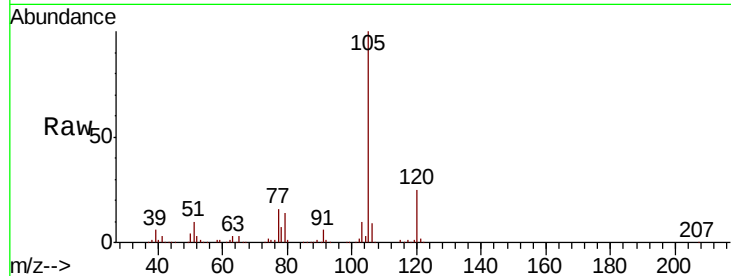
VU1205WBS02

Tot Ion:105 Resp: 442229

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 20.174 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Tgt Ion: 43 Resp: 230720

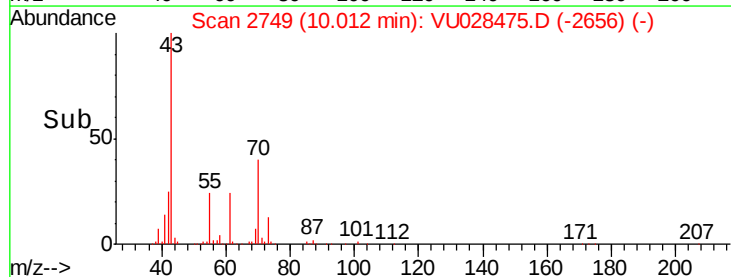
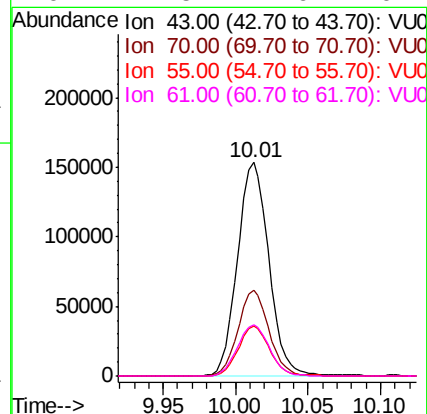
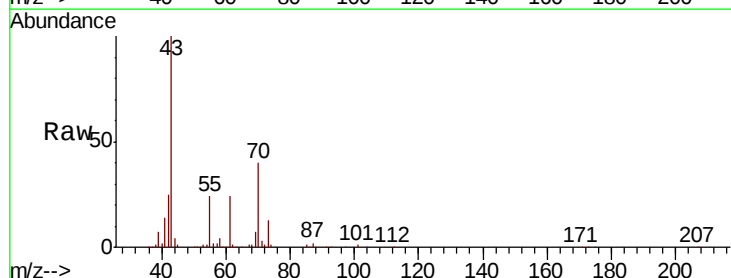
Ion Ratio Lower Upper

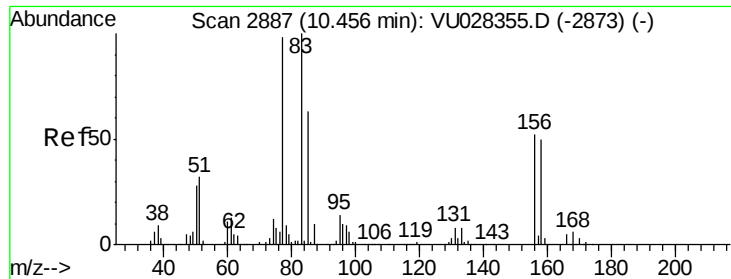
43 100

70 39.7 28.4 42.6

55 23.5 18.0 27.0

61 24.5 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.241 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

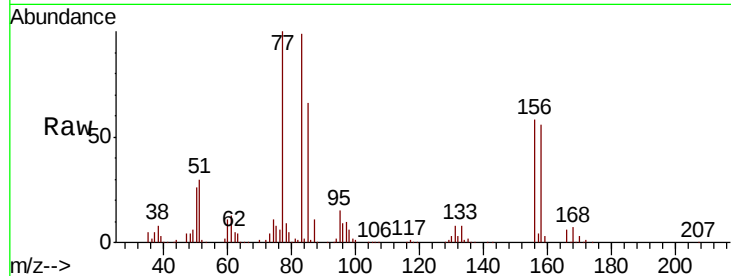
Tot Ion: 83 Resp: 166946

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.2

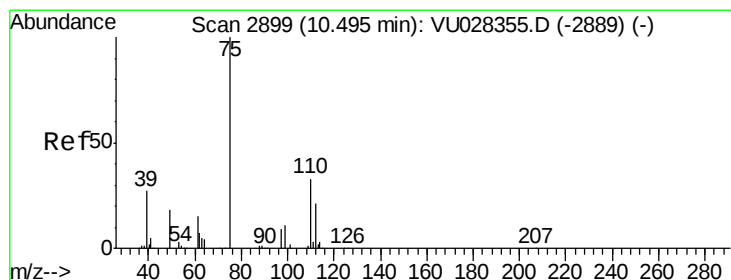
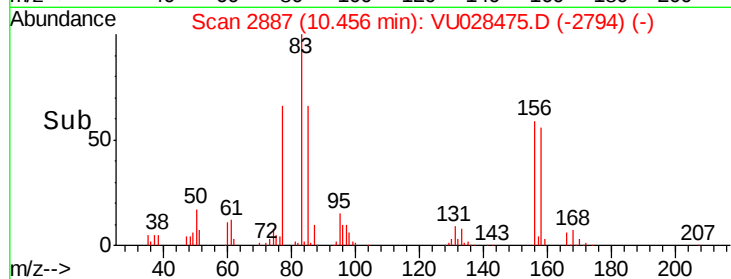
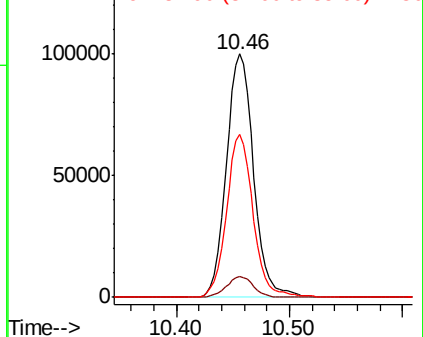
85 65.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 31.076 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028475.D

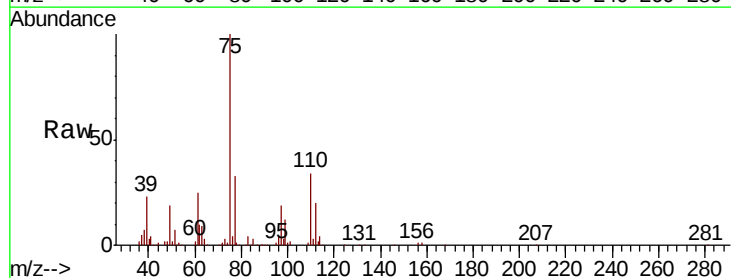
Acq: 05 Dec 2018 13:15

Tgt Ion: 75 Resp: 202251

Ion Ratio Lower Upper

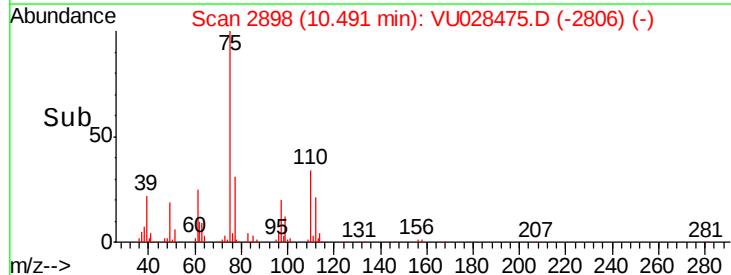
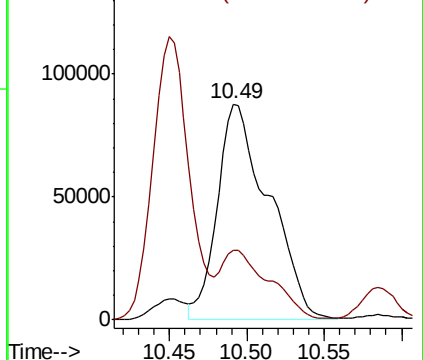
75 100

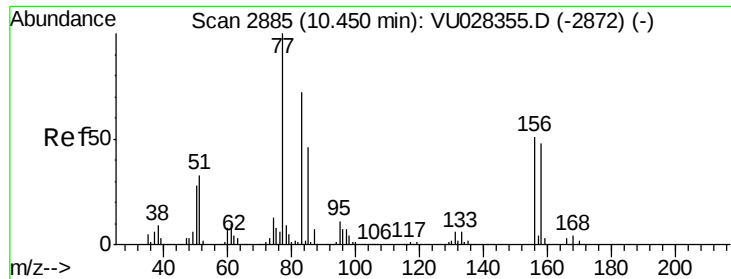
77 30.7 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 24.619 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

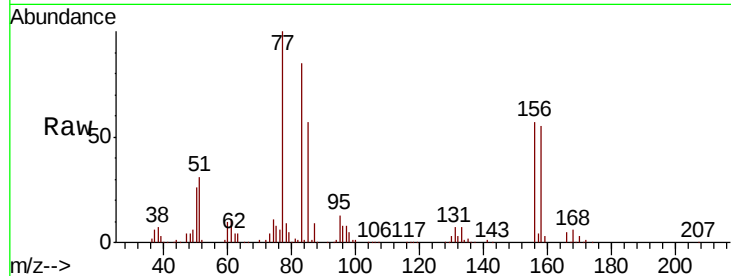
Tot Ion:156 Resp: 105886

Ion Ratio Lower Upper

156 100

77 179.2 97.0 290.9

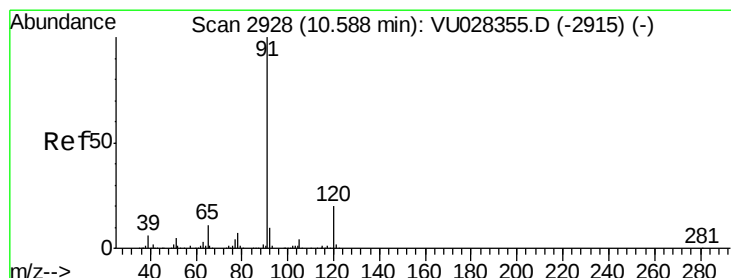
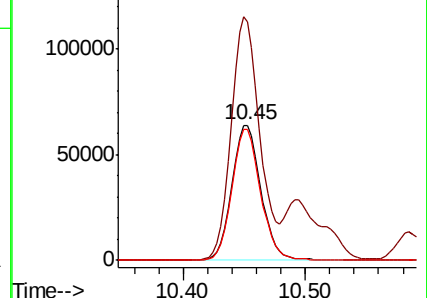
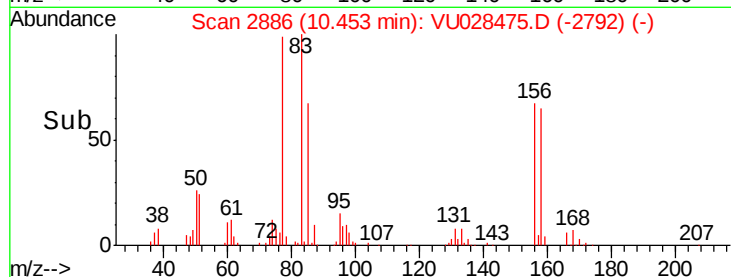
158 96.1 46.8 140.4



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: 23.939 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028475.D

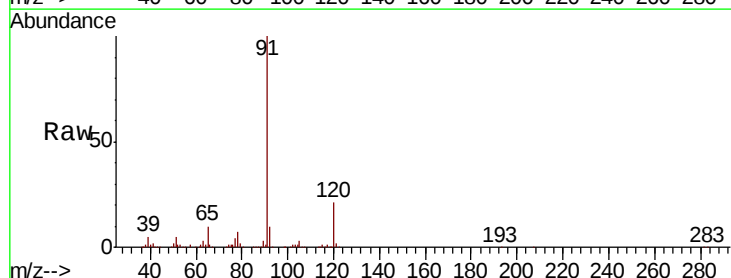
Acq: 05 Dec 2018 13:15

Tgt Ion: 91 Resp: 539064

Ion Ratio Lower Upper

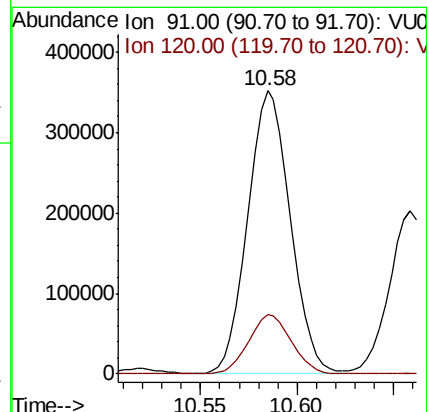
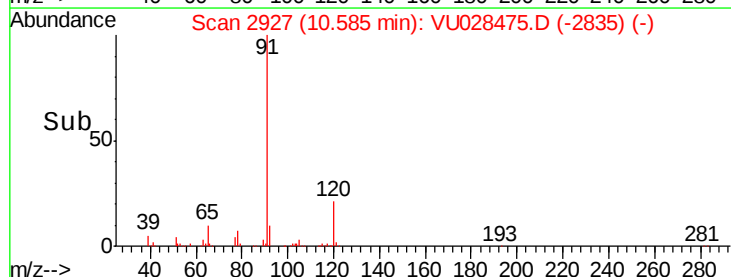
91 100

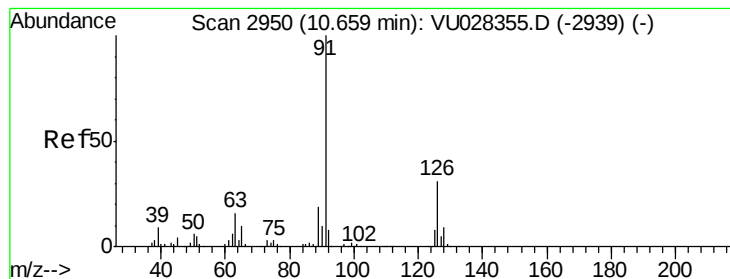
120 20.9 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.915 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

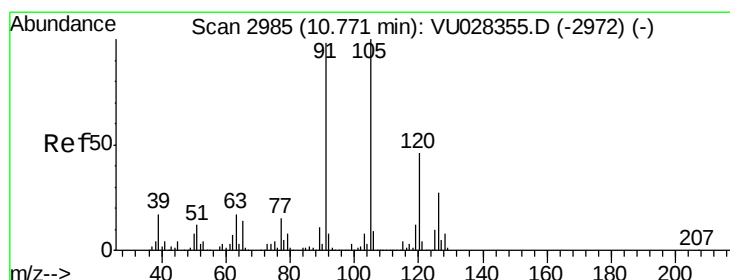
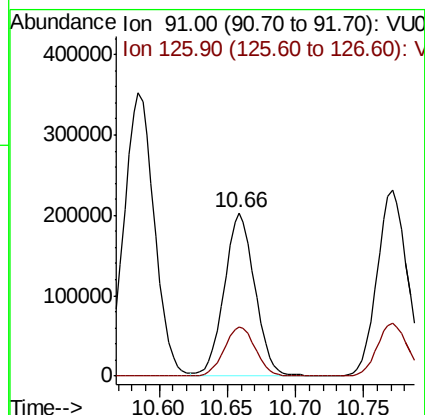
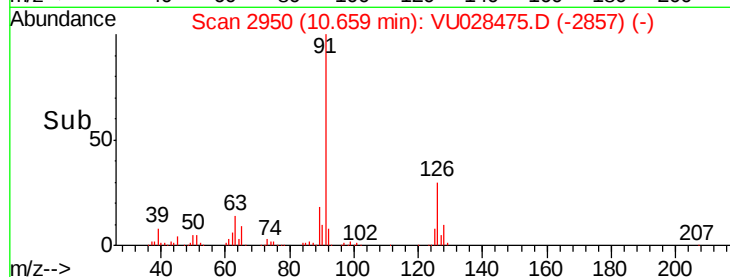
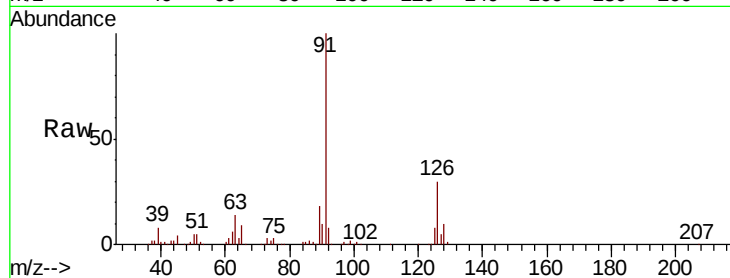
VU1205WBS02

Tot Ion: 91 Resp: 317452

Ion Ratio Lower Upper

91 100

126 30.7 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 23.597 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028475.D

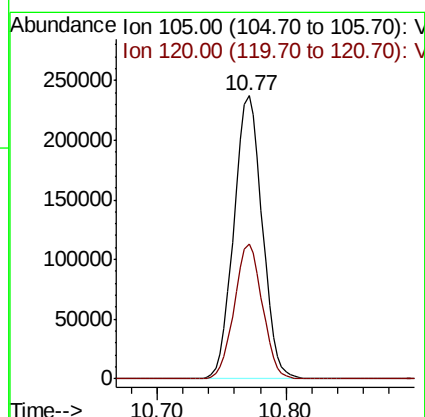
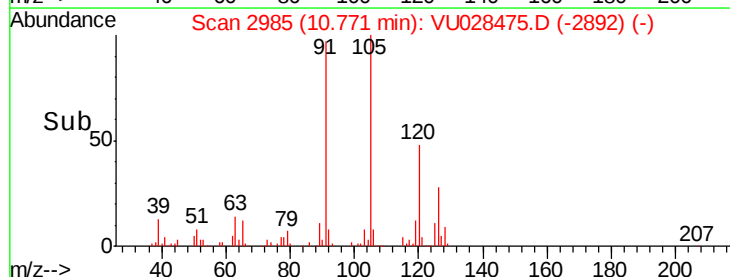
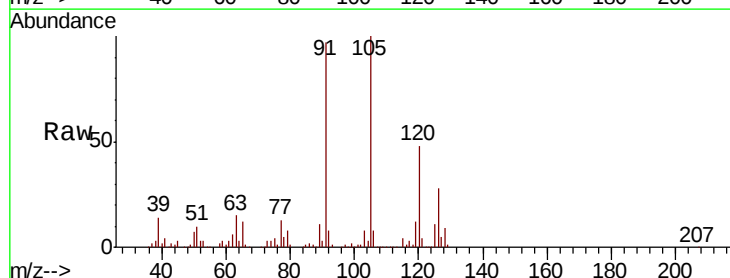
Acq: 05 Dec 2018 13:15

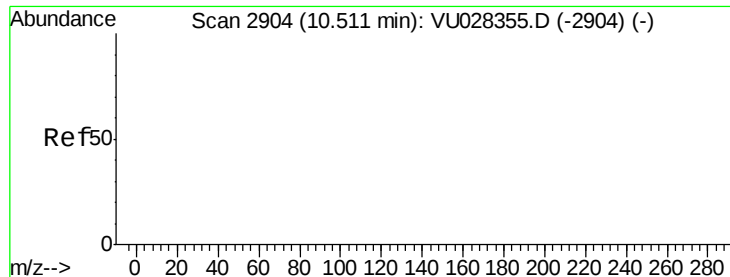
Tgt Ion: 105 Resp: 362977

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 82.491 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

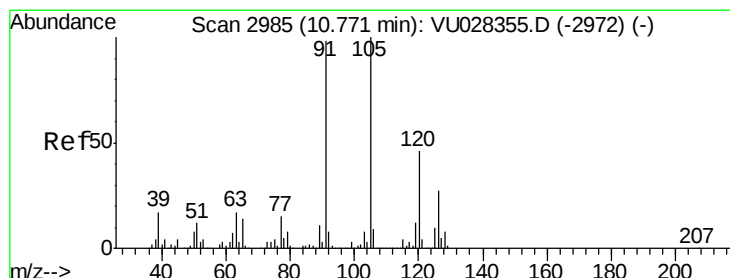
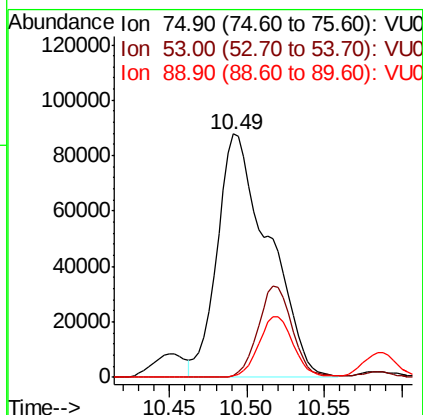
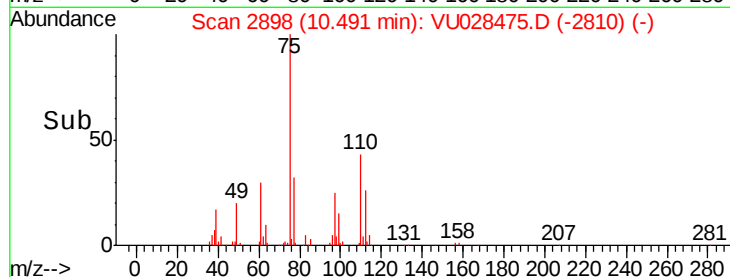
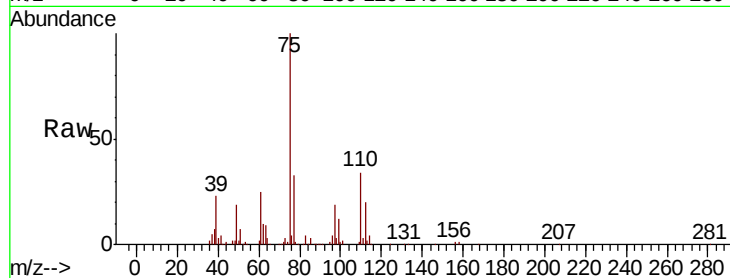
Tot Ion: 75 Resp: 202251

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 23.316 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028475.D

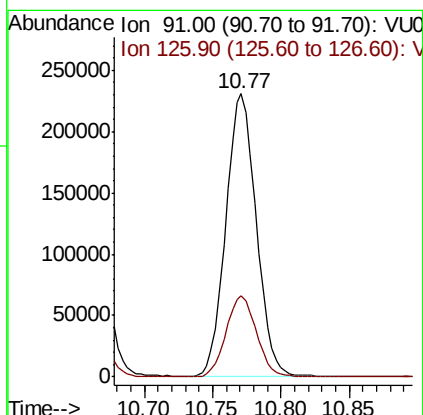
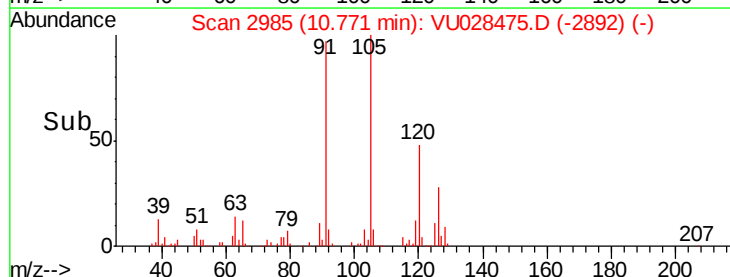
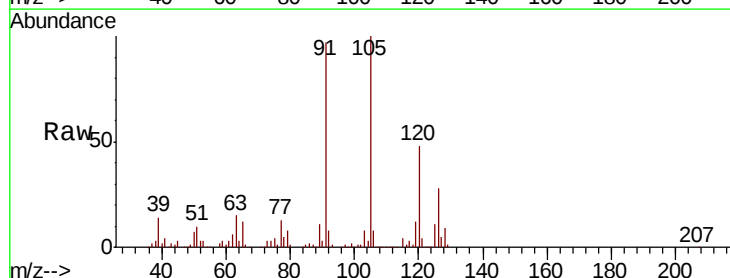
Acq: 05 Dec 2018 13:15

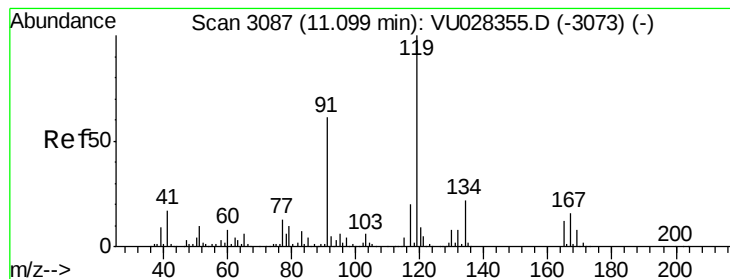
Tgt Ion: 91 Resp: 356605

Ion Ratio Lower Upper

91 100

126 28.8 13.9 41.6





#83

tert-Butylbenzene

Concen: 24.018 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

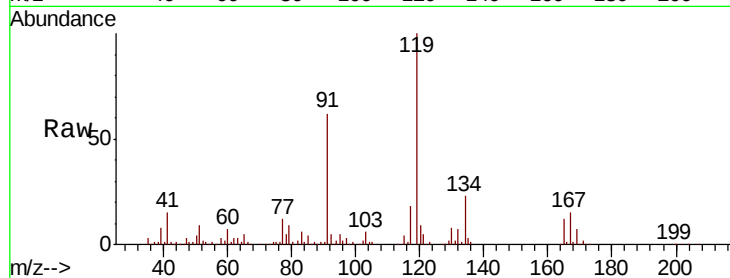
Tot Ion:119 Resp: 344395

Ion Ratio Lower Upper

119 100

91 61.4 30.8 92.4

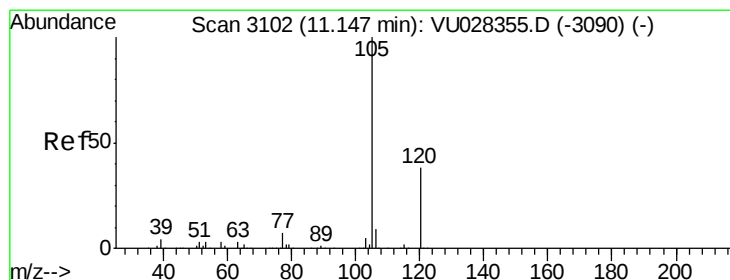
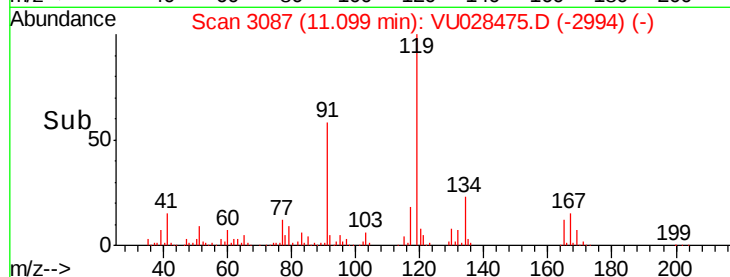
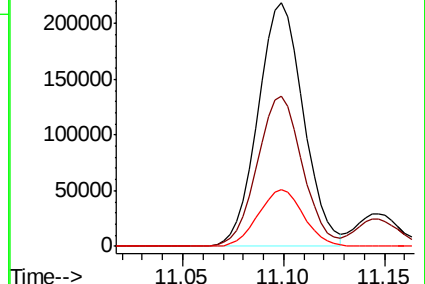
134 23.1 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.896 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028475.D

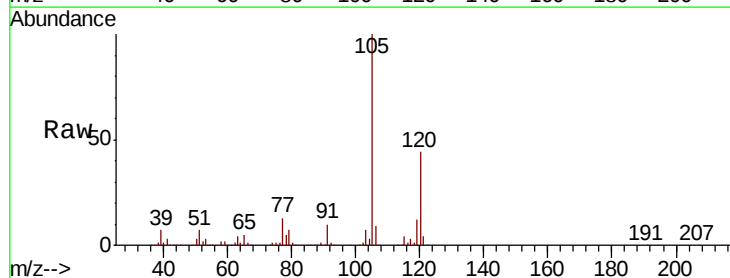
Acq: 05 Dec 2018 13:15

Tgt Ion:105 Resp: 372296

Ion Ratio Lower Upper

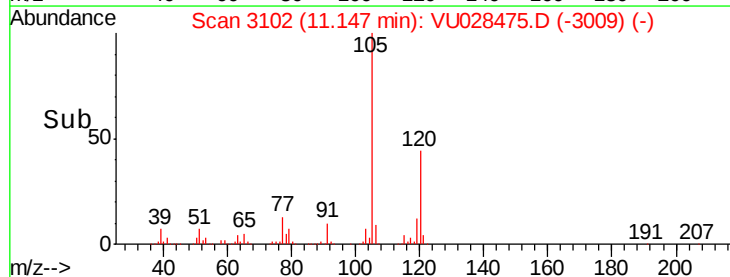
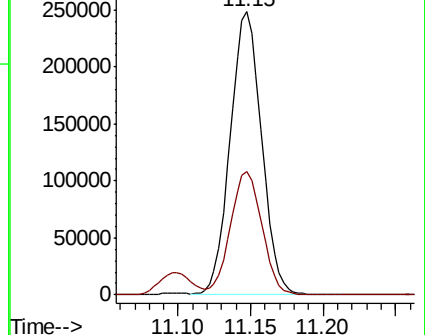
105 100

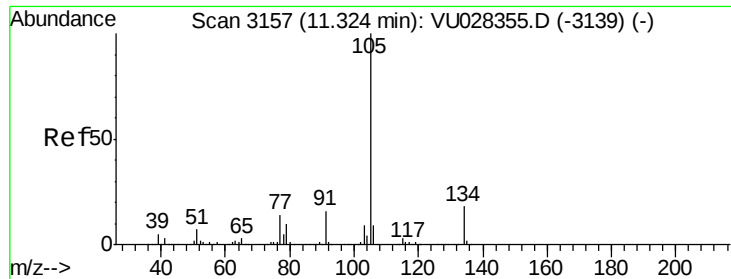
120 44.0 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.027 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

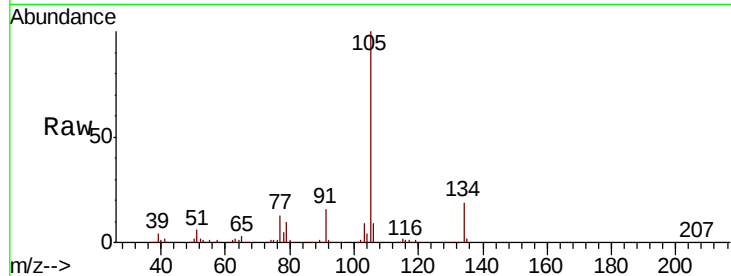
VU1205WBS02

Tot Ion:105 Resp: 447488

Ion Ratio Lower Upper

105 100

134 19.5 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

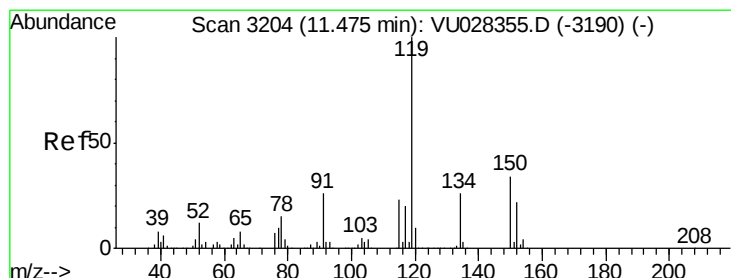
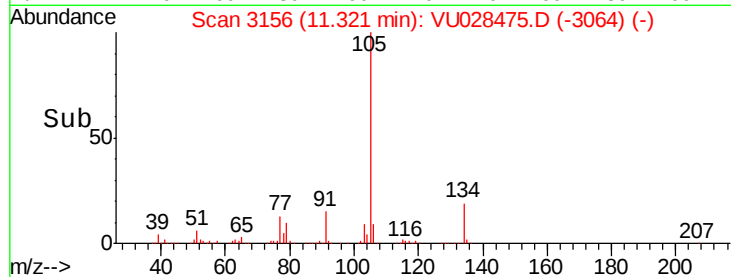
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 25.008 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

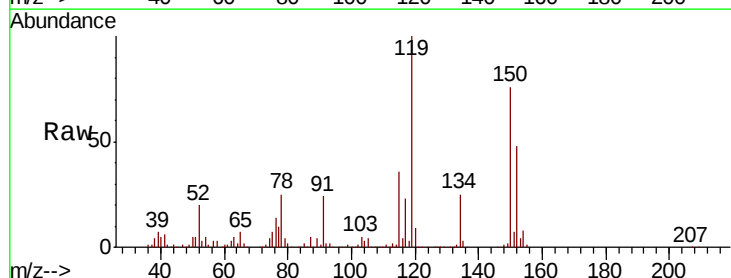
Tgt Ion:119 Resp: 382964

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 24.9 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

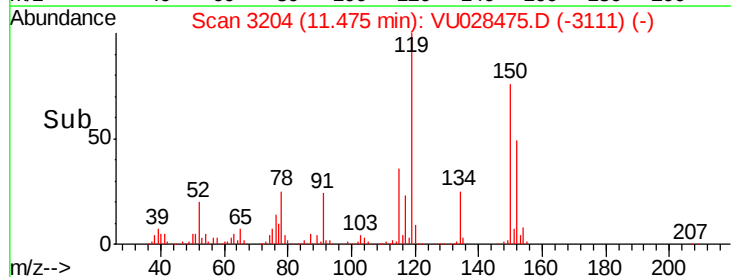
300000

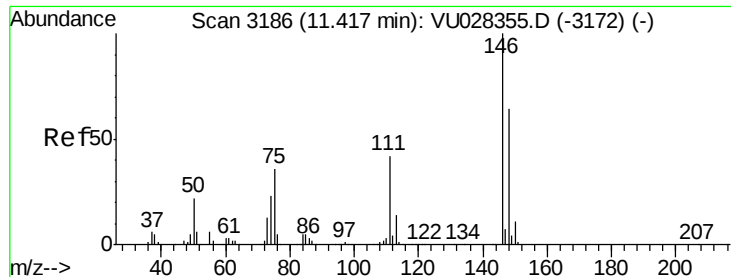
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 24.233 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

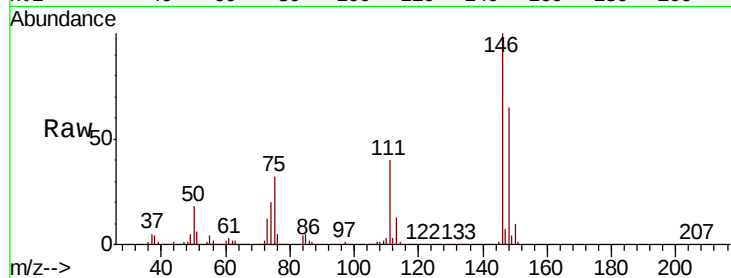
Tot Ion:146 Resp: 190096

Ion Ratio Lower Upper

146 100

111 39.9 20.8 62.4

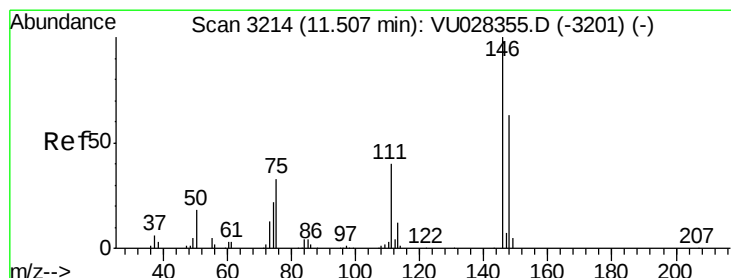
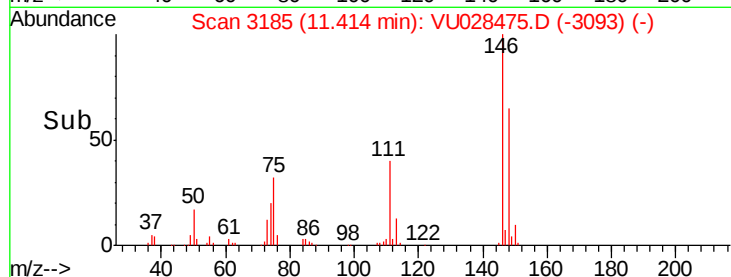
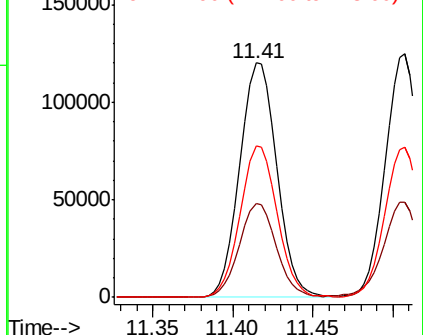
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 24.549 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

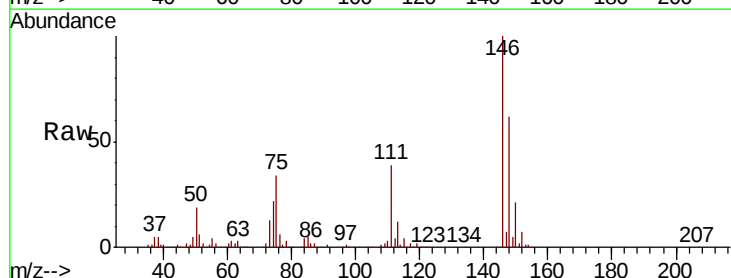
Tgt Ion:146 Resp: 193813

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.9

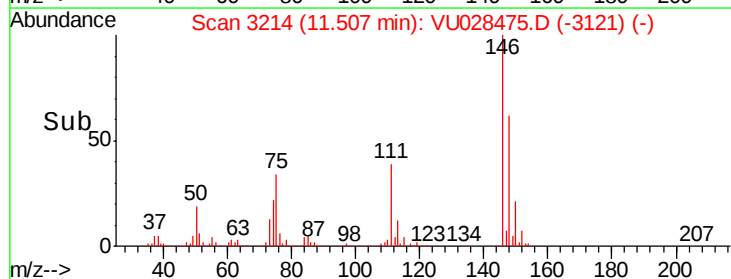
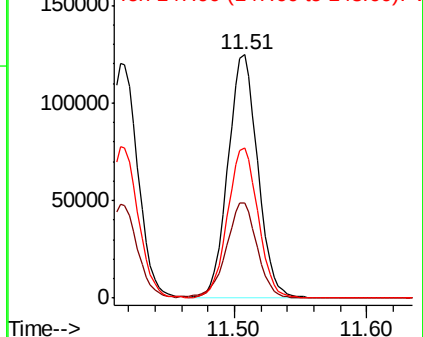
148 63.5 31.1 93.5

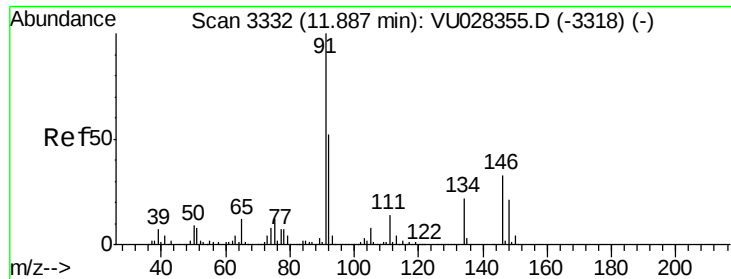


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 24.419 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

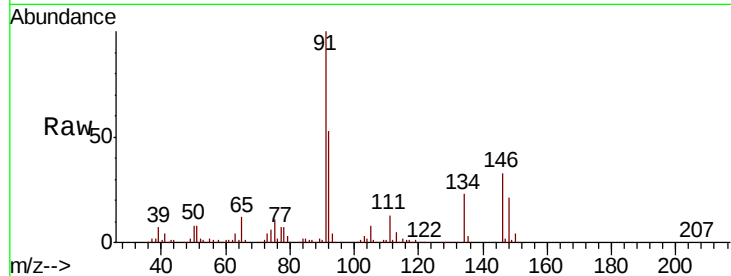
Tot Ion: 91 Resp: 369059

Ion Ratio Lower Upper

91 100

92 53.2 26.2 78.5

134 23.6 11.1 33.1

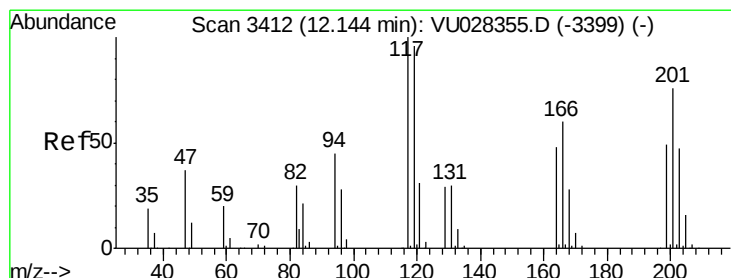
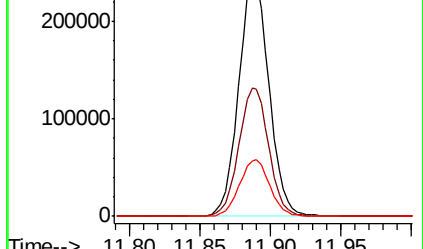
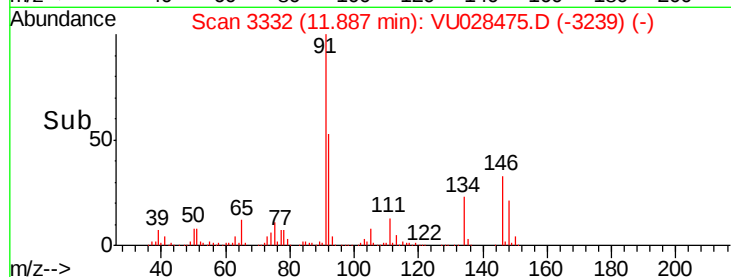


Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-3318) (-)

Ion 92.00 (91.70 to 92.70): VU028355.D (-3318) (-)

Ion 134.00 (133.70 to 134.70): VU028355.D (-3318) (-)

Time-->



#90

Hexachloroethane

Concen: 22.555 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028475.D

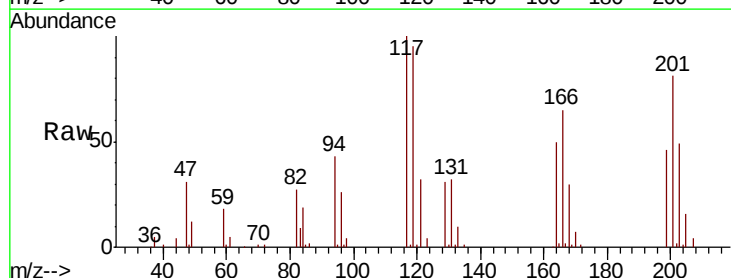
Acq: 05 Dec 2018 13:15

Tgt Ion: 117 Resp: 53926

Ion Ratio Lower Upper

117 100

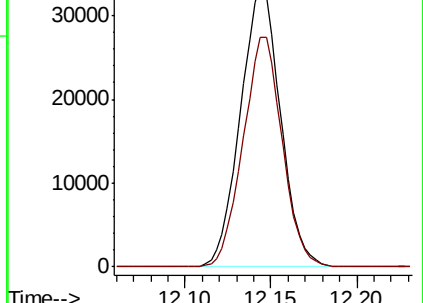
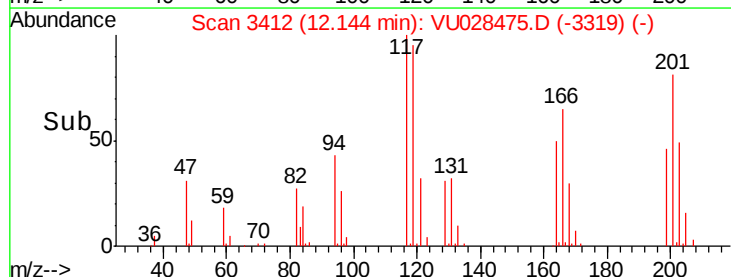
201 80.2 37.7 113.1

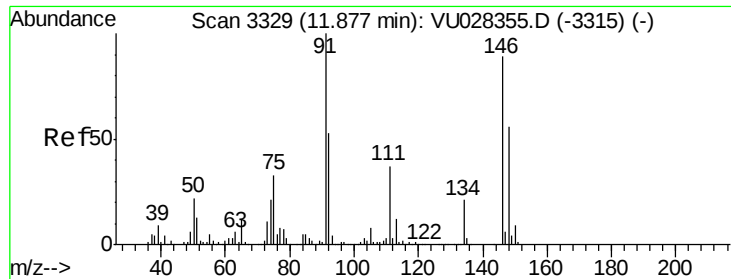


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028355.D (-3399) (-)

Time-->

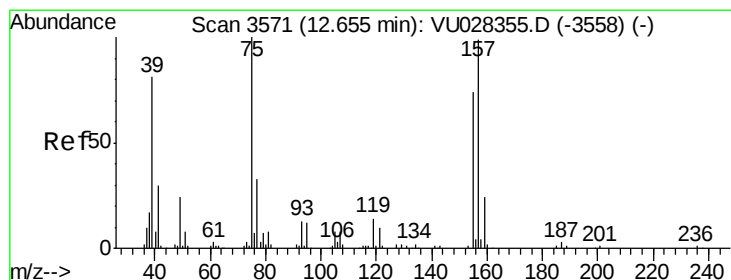
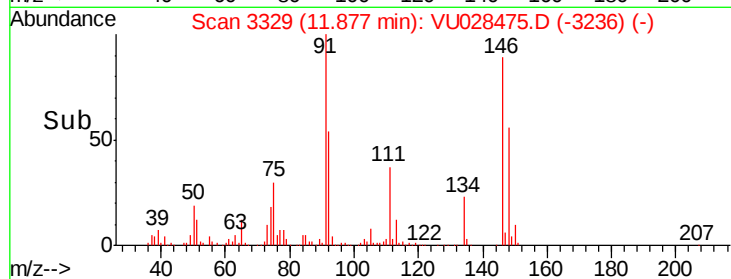
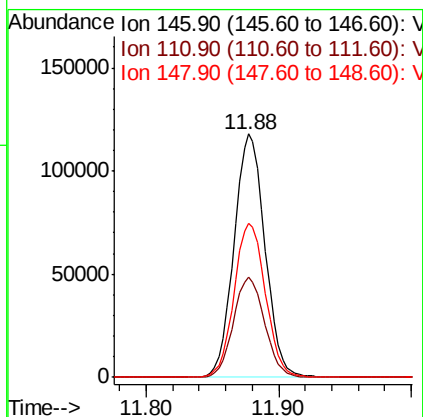
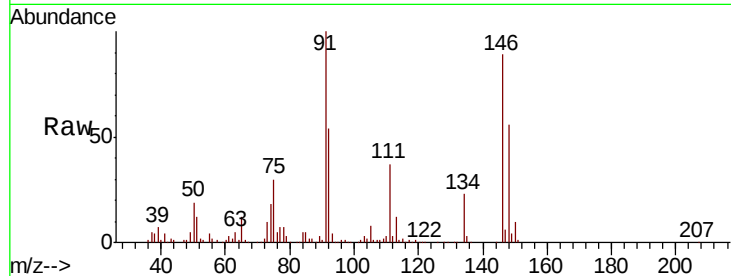




#91
 1,2-Dichlorobenzene
 Concen: 24.412 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

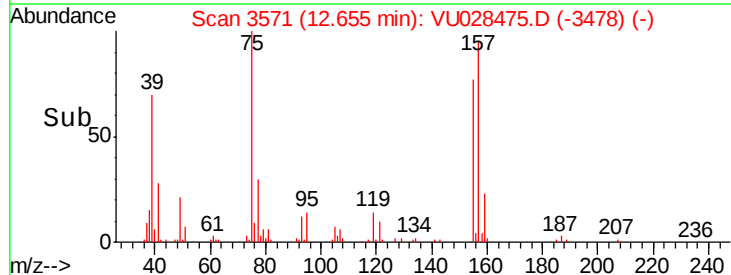
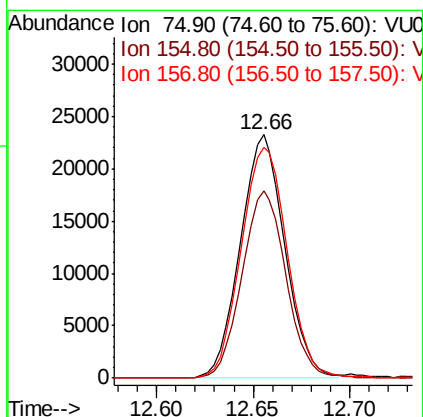
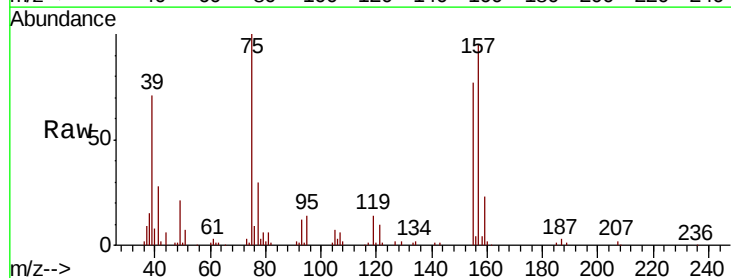
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS02

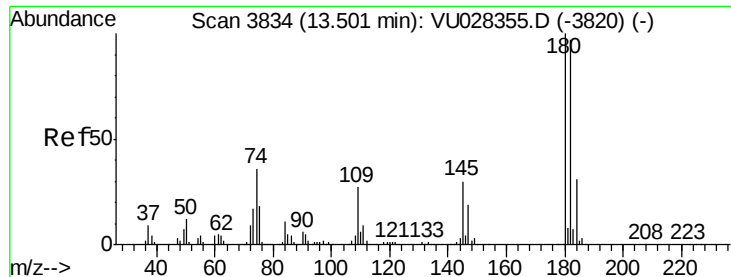
Tot Ion:146 Resp: 191062
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.4 64.3
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.297 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028475.D
 Acq: 05 Dec 2018 13:15

Tgt Ion: 75 Resp: 37228
 Ion Ratio Lower Upper
 75 100
 155 76.0 36.9 110.7
 157 98.2 47.5 142.5





#93

1,2,4-Trichlorobenzene

Concen: 25.291 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS02

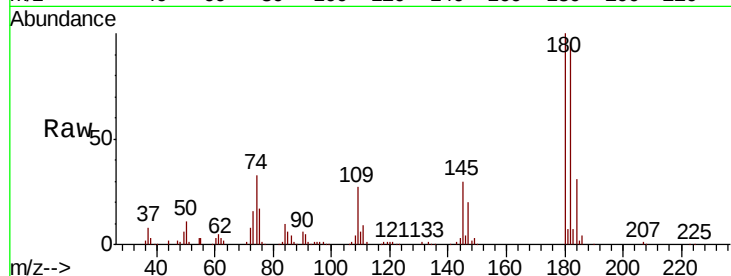
Tot Ion:180 Resp: 129566

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.9

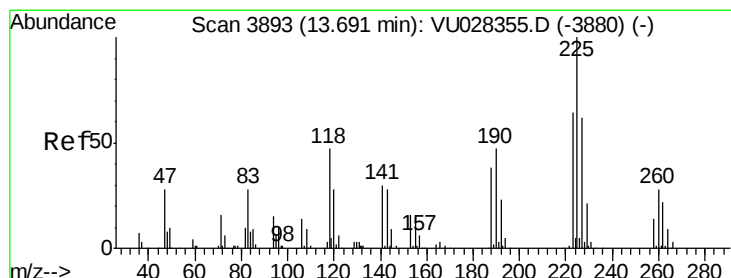
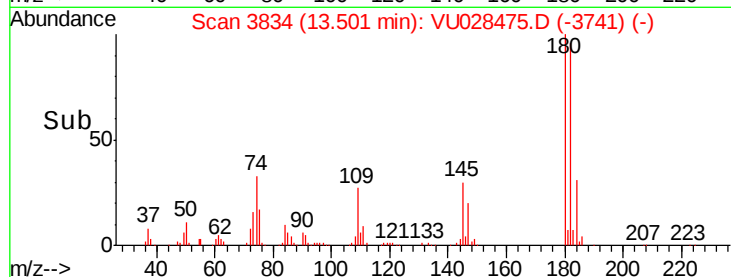
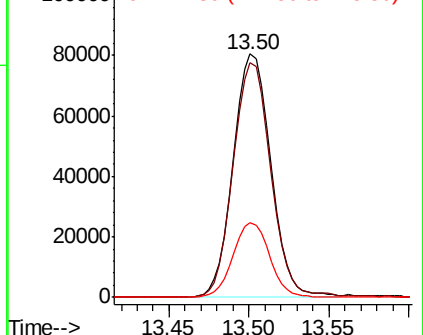
145 29.7 15.2 45.5



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: 25.223 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028475.D

Acq: 05 Dec 2018 13:15

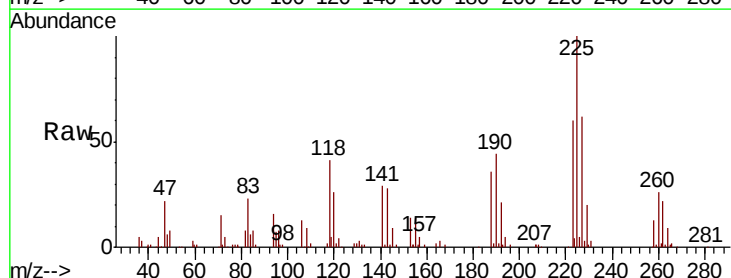
Tgt Ion:225 Resp: 61017

Ion Ratio Lower Upper

225 100

223 62.3 31.6 94.7

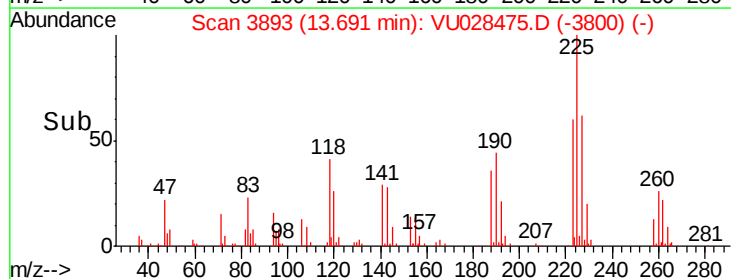
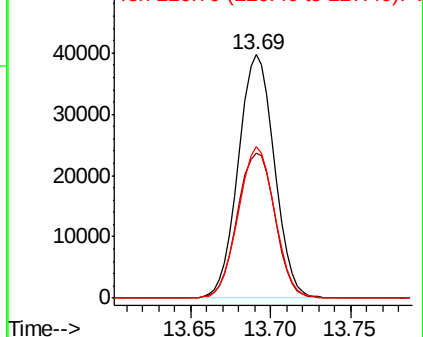
227 63.0 30.8 92.4

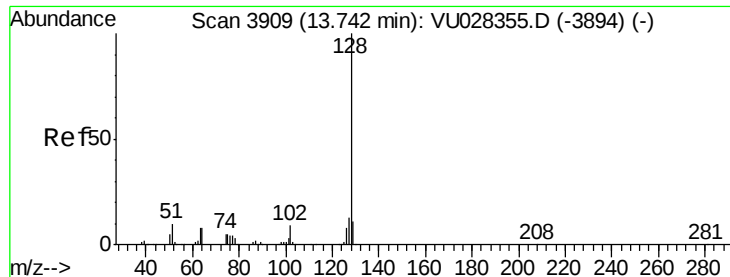


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

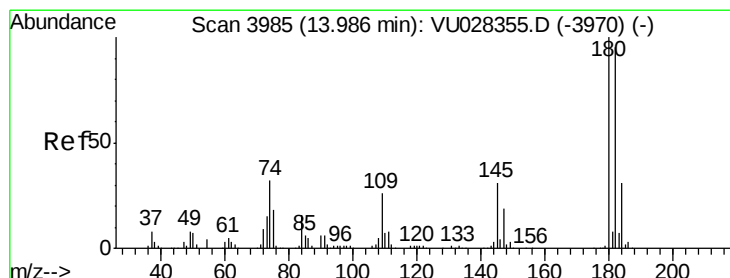
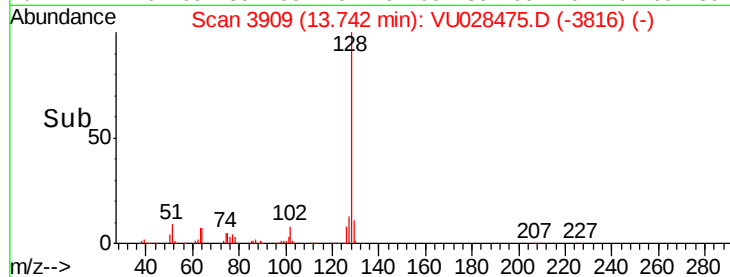
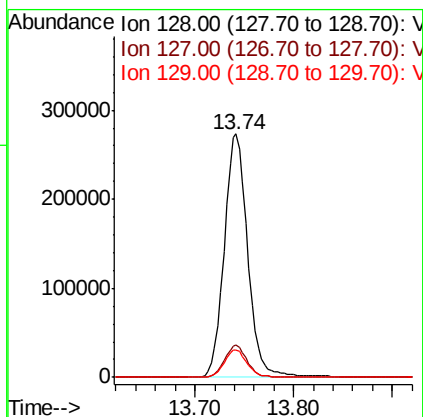
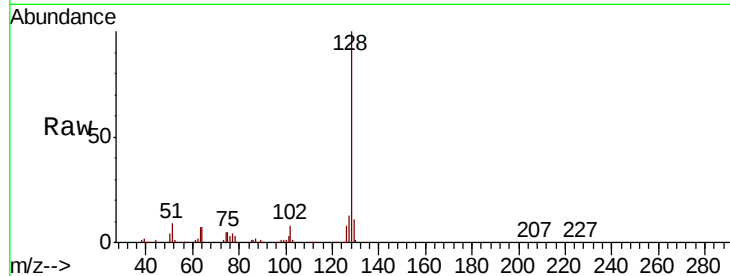




#95
Naphthalene
Concen: 24.670 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS02

Tot Ion:128 Resp: 457227
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 26.471 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028475.D
Acq: 05 Dec 2018 13:15

Tgt Ion:180 Resp: 137156
Ion Ratio Lower Upper
180 100
182 93.7 47.7 143.1
145 31.3 15.7 47.1

