

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
 Data File : VU029150.D
 Acq On : 11 Jan 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 11 23:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	170475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	281884	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	137275	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	110037	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	4.88	113	91248	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.56	98	358077	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.30	95	126460	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	83853	49.599	ug/l	99
3) Chloromethane	1.33	50	128854	47.720	ug/l	99
4) Vinyl Chloride	1.40	62	126078	50.605	ug/l	99
5) Bromomethane	1.61	94	63511	49.557	ug/l	97
6) Chloroethane	1.69	64	72662	48.964	ug/l	98
7) Trichlorofluoromethane	1.88	101	136985	50.459	ug/l	99
8) Diethyl Ether	2.10	74	65457	50.187	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	90032	49.564	ug/l	99
10) Methyl Iodide	2.40	142	86388	50.579	ug/l	99
11) Tert butyl alcohol	2.83	59	141672	264.476	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88782	50.214	ug/l	97
13) Acrolein	2.19	56	130522	324.495	ug/l	97
14) Allyl chloride	2.59	41	155954	48.073	ug/l	90
15) Acrylonitrile	2.93	53	361532	275.100	ug/l	99
16) Acetone	2.32	43	303171	228.363	ug/l	98
17) Carbon Disulfide	2.47	76	275413	47.007	ug/l	99
18) Methyl Acetate	2.61	43	179730	58.224	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	325572	52.376	ug/l	99
20) Methylene Chloride	2.70	84	110384	48.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	100397	48.875	ug/l	95
22) Diisopropyl ether	3.57	45	349415	54.498	ug/l	100
23) Vinyl Acetate	3.52	43	1436062	273.980	ug/l	100
24) 1,1-Dichloroethane	3.44	63	196285	53.032	ug/l	100
25) 2-Butanone	4.26	43	491069	273.867	ug/l	100
26) 2,2-Dichloropropane	4.22	77	154117	51.532	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	119285	53.094	ug/l	99
28) Bromochloromethane	4.55	49	87094	54.954	ug/l	96
29) Tetrahydrofuran	4.64	42	312139	287.014	ug/l	97
30) Chloroform	4.67	83	187921	53.306	ug/l	99
31) Cyclohexane	4.99	56	179627	51.444	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	152193	52.248	ug/l	97
36) 1,1-Dichloropropene	5.13	75	139362	49.462	ug/l	99
37) Ethyl Acetate	4.38	43	169362	54.761	ug/l	99
38) Carbon Tetrachloride	5.13	117	125458	53.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	171514	49.516	ug/l	100
40) Benzene	5.39	78	450444	51.252	ug/l	100
41) Methacrylonitrile	4.54	41	96339	58.194	ug/l	96
42) 1,2-Dichloroethane	5.40	62	144189	54.598	ug/l	99
43) Isopropyl Acetate	5.55	43	264880	55.832	ug/l	99
44) Trichloroethene	6.18	130	108310	49.738	ug/l	97
45) 1,2-Dichloropropane	6.43	63	123487	53.206	ug/l	100
46) Dibromomethane	6.56	93	77236	52.057	ug/l	97
47) Bromodichloromethane	6.76	83	146422	53.601	ug/l	99
48) Methyl methacrylate	6.62	41	133617	57.841	ug/l	99
49) 1,4-Dioxane	6.61	88	58154	1062.262	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	910724	282.070	ug/l	99
52) Toluene	7.63	92	273935	51.200	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166999	50.891	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	184494	52.031	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	116204	54.214	ug/l	98
56) Ethyl methacrylate	8.02	69	176692	53.508	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197738	53.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	384712	264.910	ug/l	99
59) 2-Hexanone	8.36	43	701491	276.785	ug/l	99
60) Dibromochloromethane	8.48	129	109097	51.376	ug/l	96
61) 1,2-Dibromoethane	8.58	107	121231	52.150	ug/l	99
64) Tetrachloroethene	8.22	164	98212	50.412	ug/l	98
65) Chlorobenzene	9.12	112	295711	48.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	101244	51.463	ug/l	100
67) Ethyl Benzene	9.25	91	516957	51.076	ug/l	100
68) m/p-Xylenes	9.37	106	395489	100.567	ug/l	99
69) o-Xylene	9.78	106	191637	50.574	ug/l	99
70) Styrene	9.79	104	324648	52.263	ug/l	99
71) Bromoform	9.96	173	89065	50.844	ug/l #	99
73) Isopropylbenzene	10.16	105	509332	50.127	ug/l	100
74) N-amyl acetate	10.01	43	229071	52.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	202880	49.820	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	231527	68.836	ug/l	82
77) Bromobenzene	10.45	156	128584	48.561	ug/l	98
78) n-propylbenzene	10.58	91	610335	50.971	ug/l	99
79) 2-Chlorotoluene	10.66	91	357824	49.262	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	427323	50.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	231527	177.532	ug/l #	100
82) 4-Chlorotoluene	10.77	91	410893	49.332	ug/l	99
83) tert-Butylbenzene	11.10	119	414116	49.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	438968	51.817	ug/l	98
85) sec-Butylbenzene	11.32	105	522195	51.629	ug/l	99
86) p-Isopropyltoluene	11.47	119	442226	51.311	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	234087	48.198	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	236483	47.171	ug/l	98
89) n-Butylbenzene	11.89	91	418218	54.368	ug/l	99
90) Hexachloroethane	12.14	117	70132	48.371	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	234071	47.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	42241	53.931	ug/l	97

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Response via : Initial Calibration

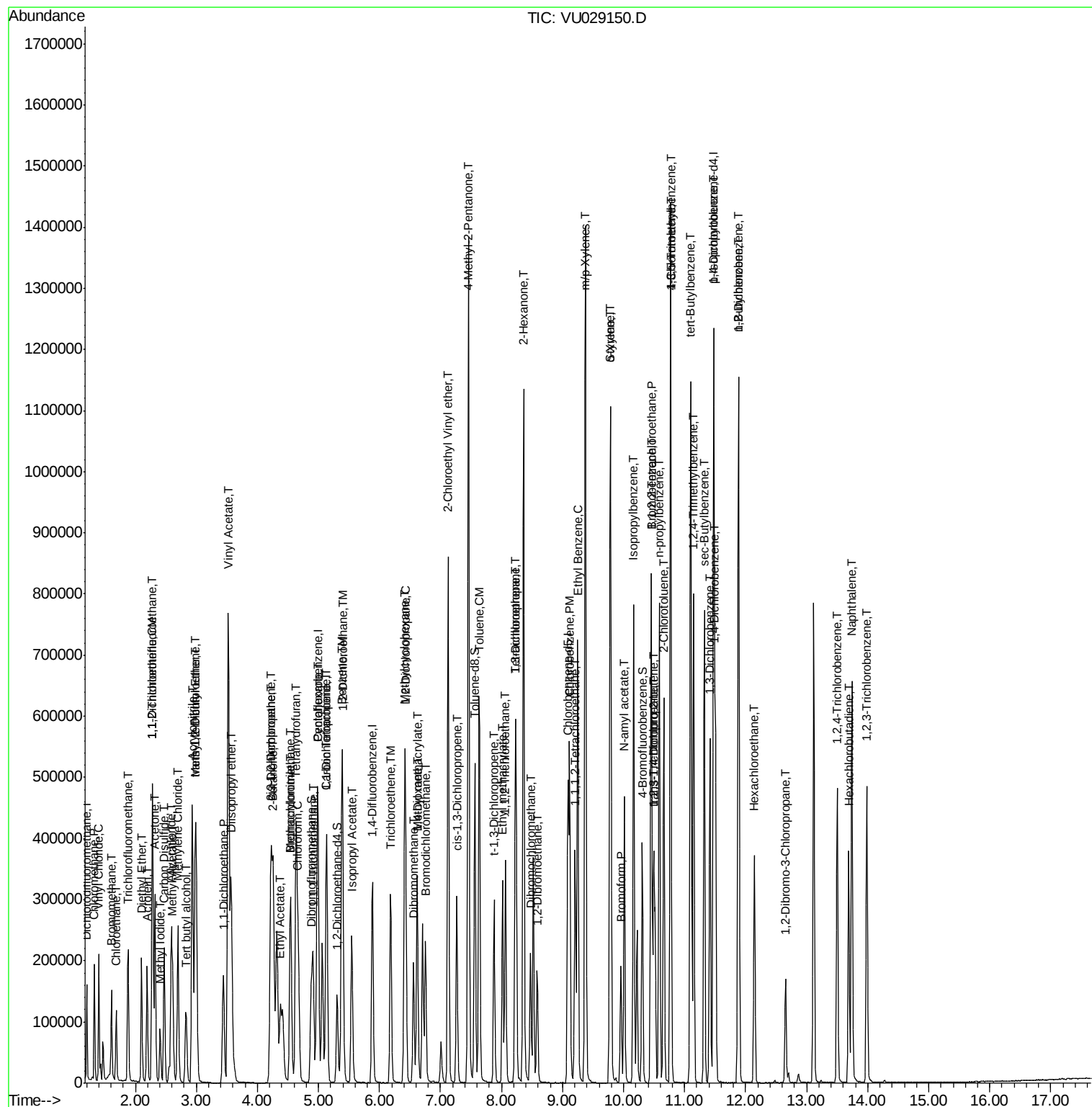
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	157615	50.473	ug/l	99
94) Hexachlorobutadiene	13.69	225	73579	51.514	ug/l	99
95) Naphthalene	13.74	128	530284	49.919	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	161515	50.238	ug/l	100

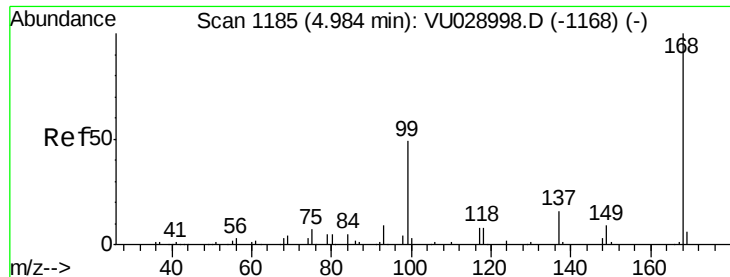
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

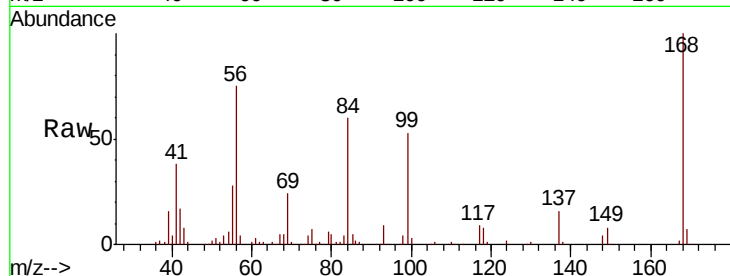
VSTDCCC050EC

Tgt Ion:168 Resp: 170475

Ion Ratio Lower Upper

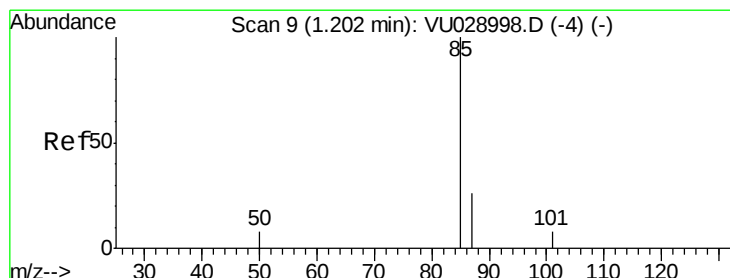
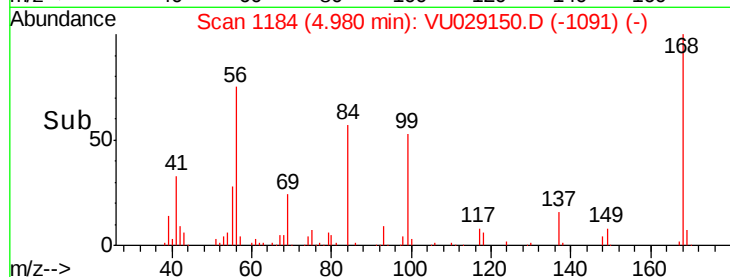
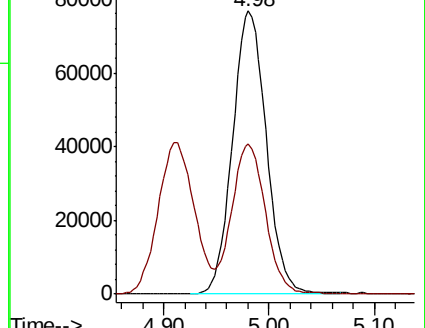
168 100

99 52.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU029150.D (-1091) (-)



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029150.D

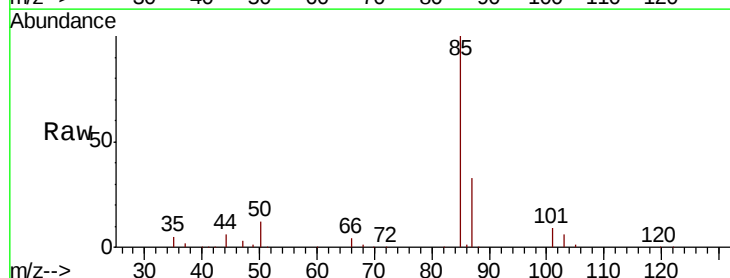
Acq: 11 Jan 2019 18:42

Tgt Ion: 85 Resp: 83853

Ion Ratio Lower Upper

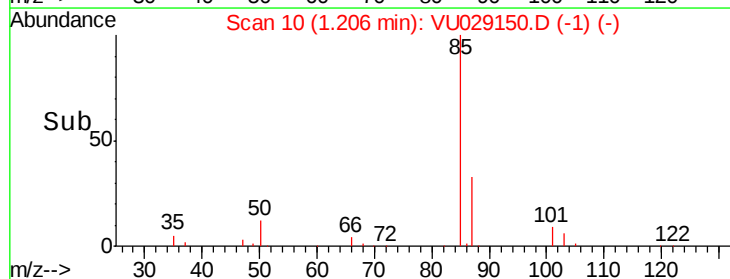
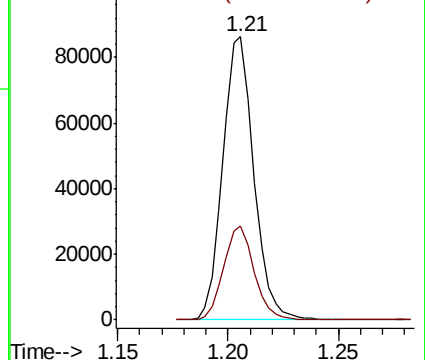
85 100

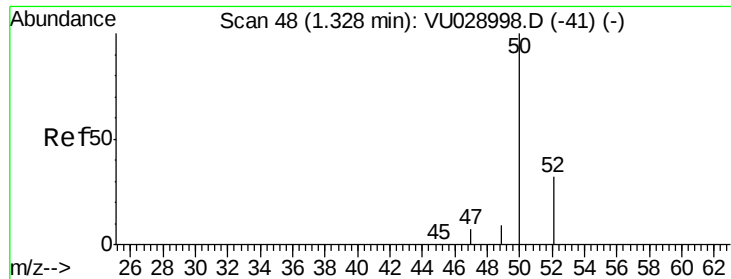
87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU029150.D (-1) (-)





#3

Chloromethane

Concen: 47.720 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

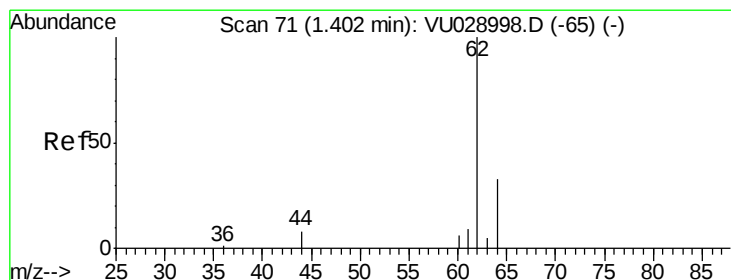
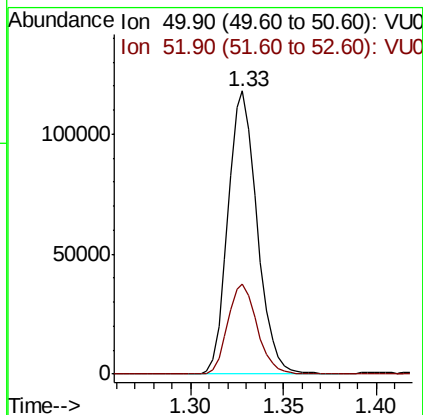
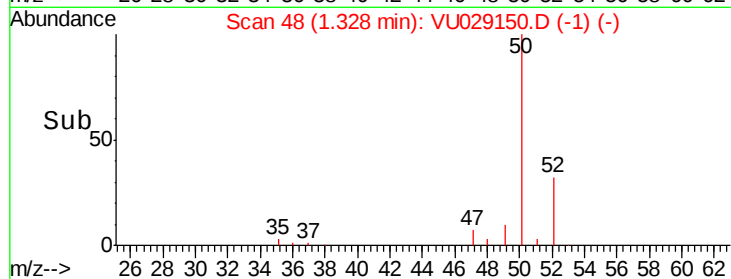
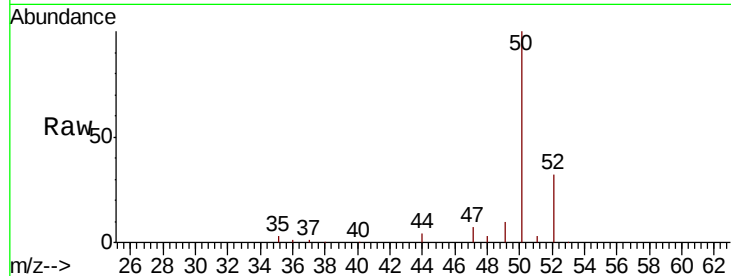
VSTDCCC050EC

Tgt Ion: 50 Resp: 128854

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 50.605 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029150.D

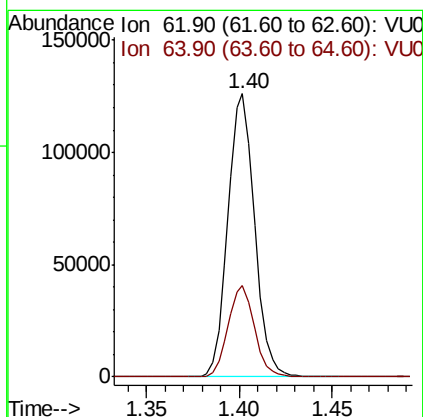
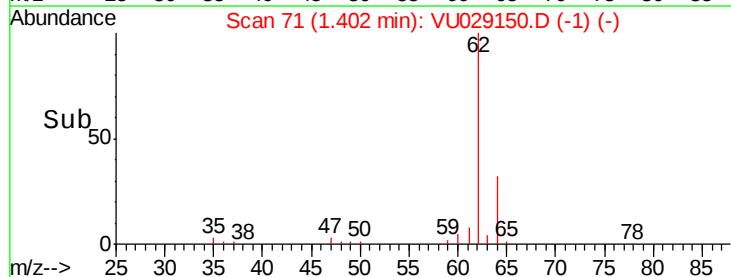
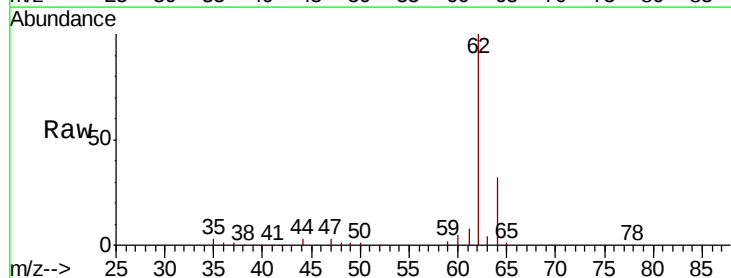
Acq: 11 Jan 2019 18:42

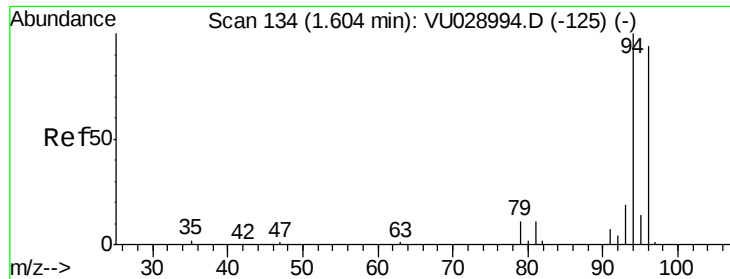
Tgt Ion: 62 Resp: 126078

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 49.557 ug/l

RT: 1.61 min Scan# 135

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

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ClientSampleId :

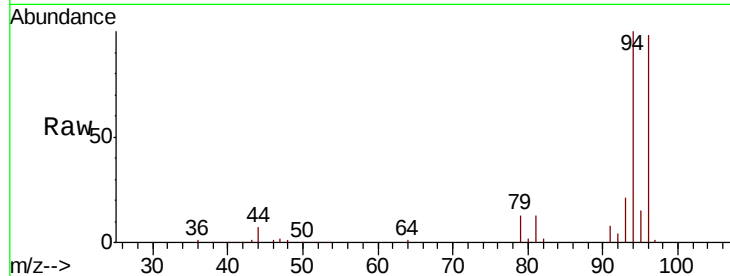
VSTDCCC050EC

Tgt Ion: 94 Resp: 63511

Ion Ratio Lower Upper

94 100

96 97.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)

1.61

60000

50000

40000

30000

20000

10000

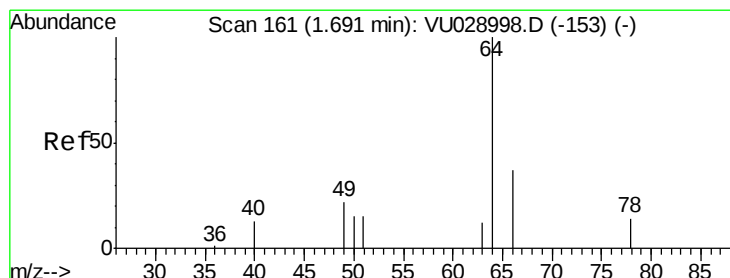
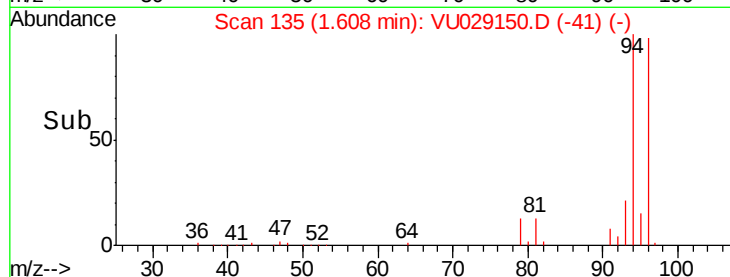
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Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 48.964 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029150.D

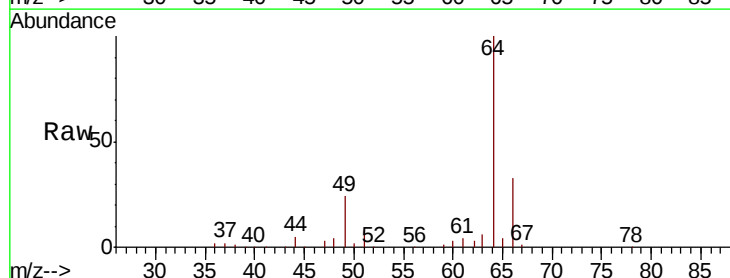
Acq: 11 Jan 2019 18:42

Tgt Ion: 64 Resp: 72662

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU028998.D (-153) (-)

Ion 65.90 (65.60 to 66.60): VU028998.D (-153) (-)

1.69

60000

40000

20000

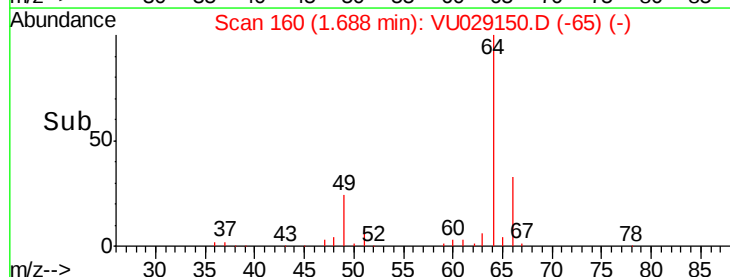
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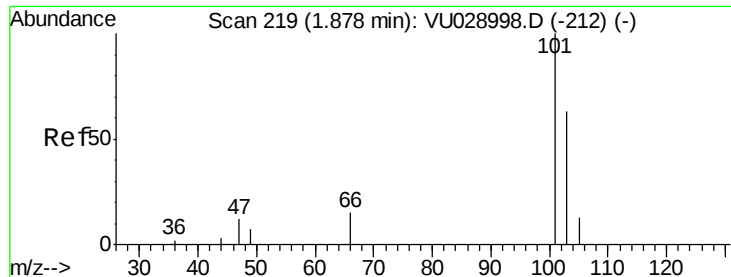
Time-->

1.65

1.70

1.75



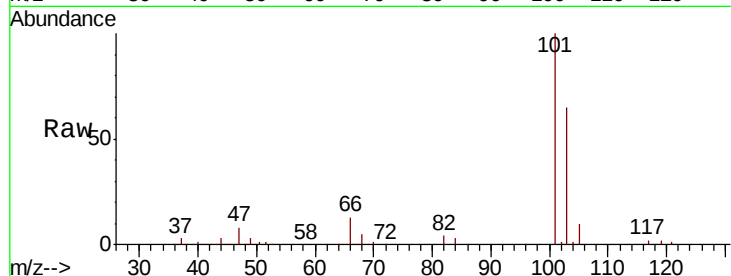


#7

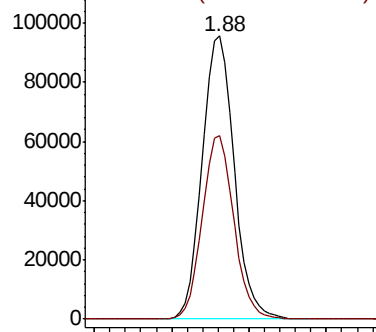
Trichlorofluoromethane
 Concen: 50.459 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029150.D
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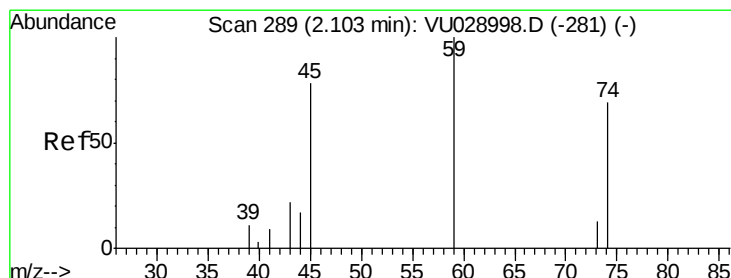
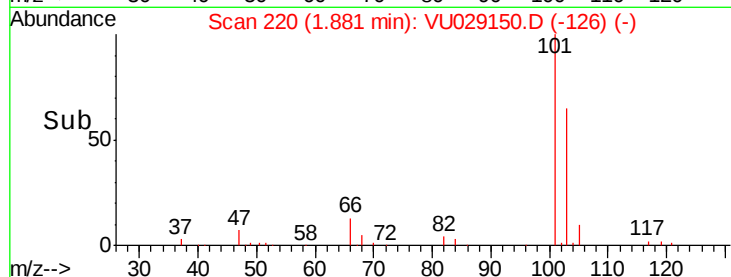
Tgt Ion: 101 Resp: 136985
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.5 77.3



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



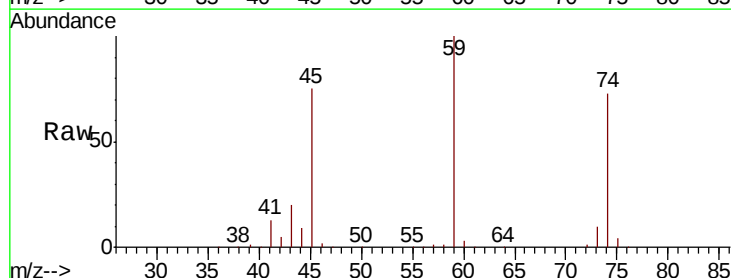
Time--> 1.80 1.85 1.90 1.95



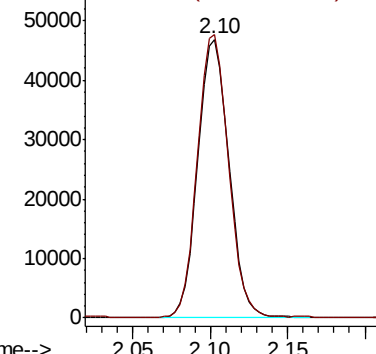
#8

Diethyl Ether
 Concen: 50.187 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

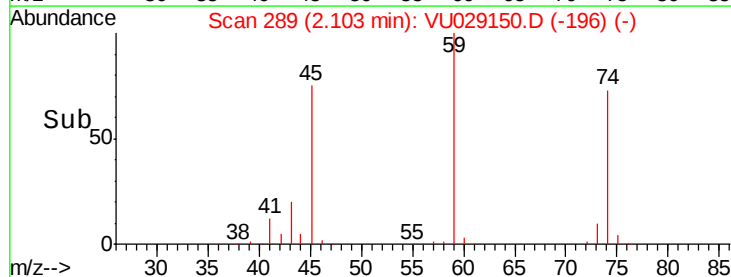
Tgt Ion: 74 Resp: 65457
 Ion Ratio Lower Upper
 74 100
 45 101.1 46.9 140.6

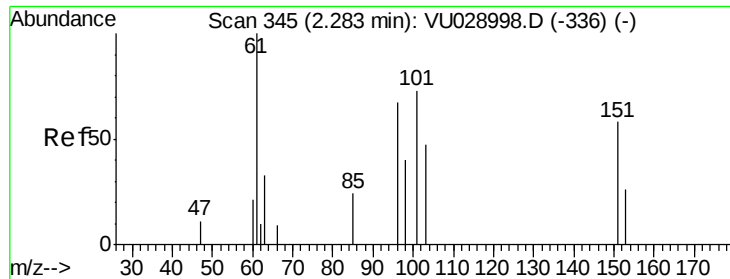


Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0



Time--> 2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.564 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

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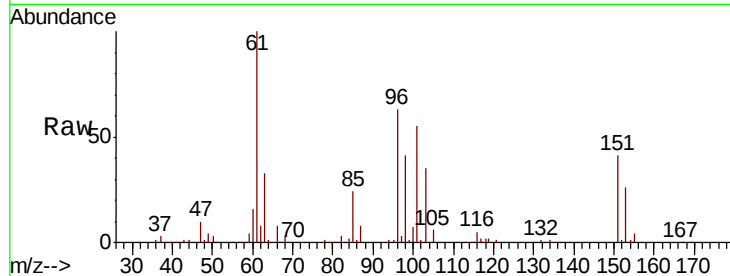
Tgt Ion:101 Resp: 90032

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

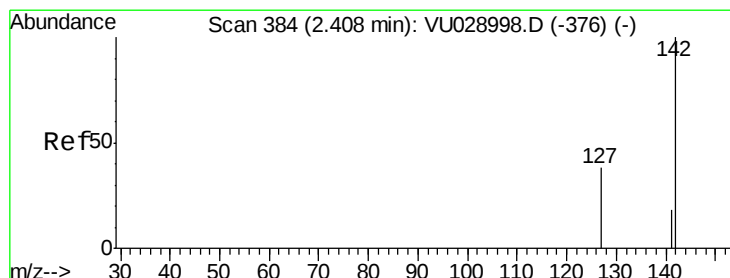
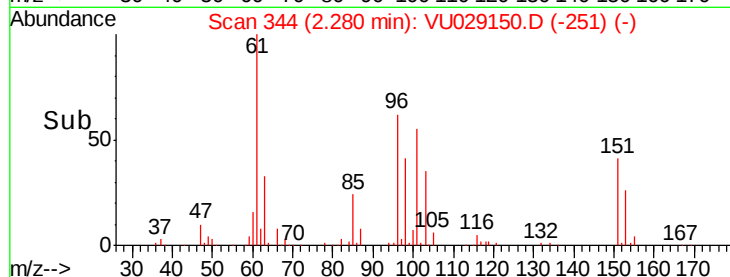
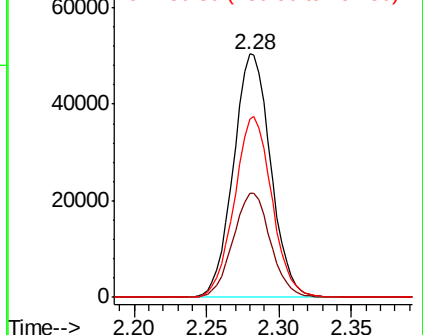
151 74.5 60.2 90.2



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: 50.579 ug/l

RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

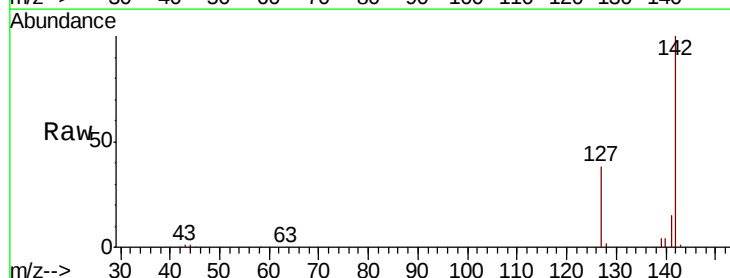
Tgt Ion:142 Resp: 86388

Ion Ratio Lower Upper

142 100

127 38.2 29.8 44.6

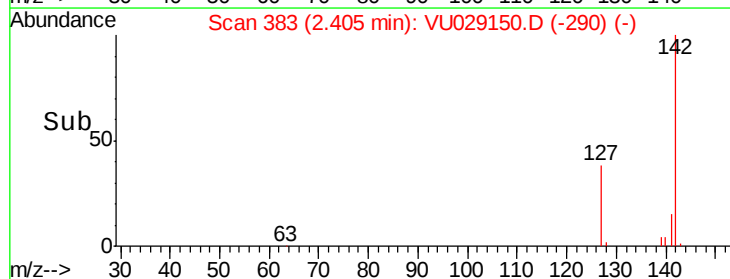
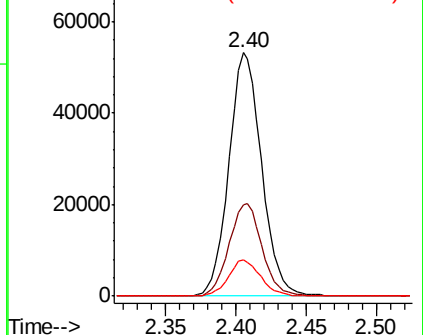
141 14.4 11.5 17.3

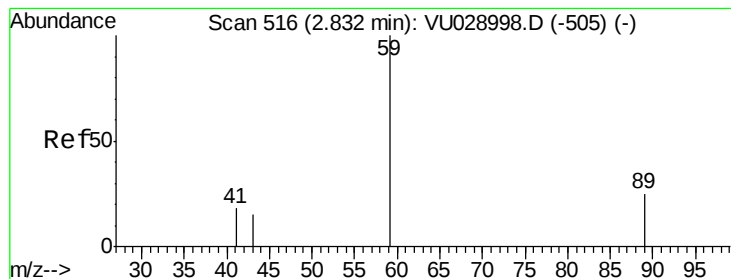


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 264.476 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

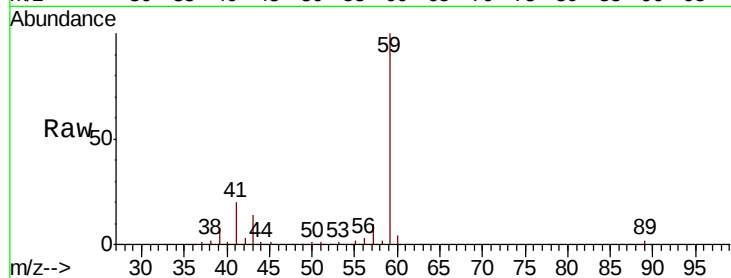
VSTDCCC050EC

Tgt Ion: 59 Resp: 141672

Ion Ratio Lower Upper

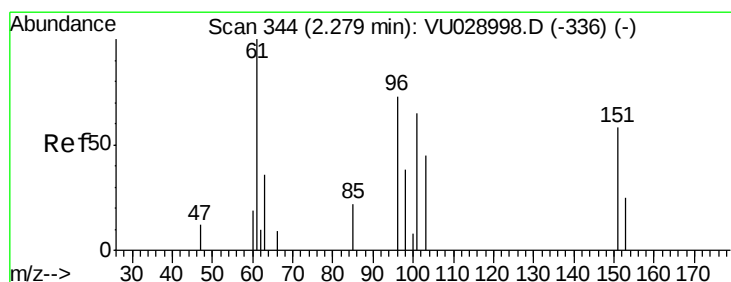
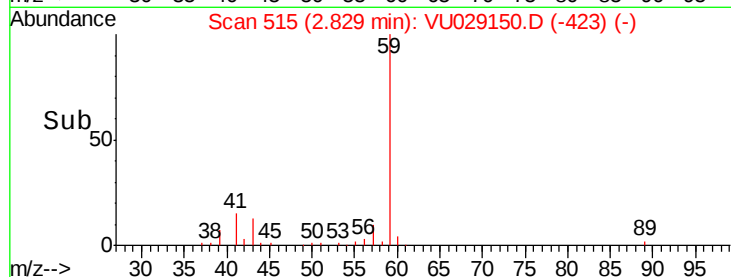
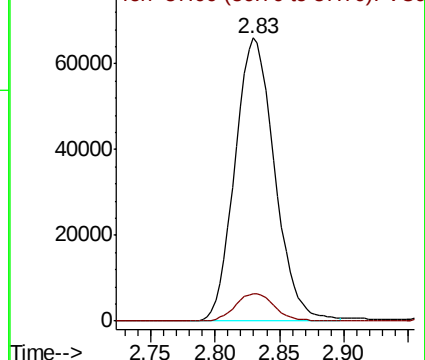
59 100

57 9.6 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 50.214 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

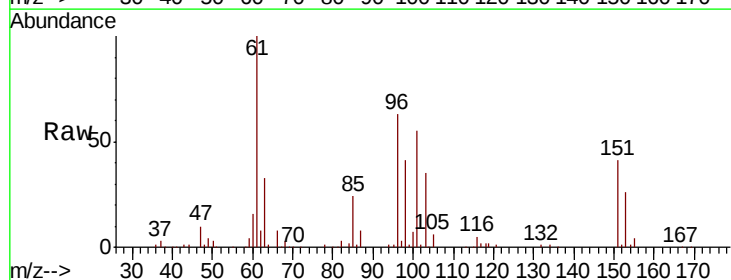
Tgt Ion: 96 Resp: 88782

Ion Ratio Lower Upper

96 100

61 159.7 125.4 188.0

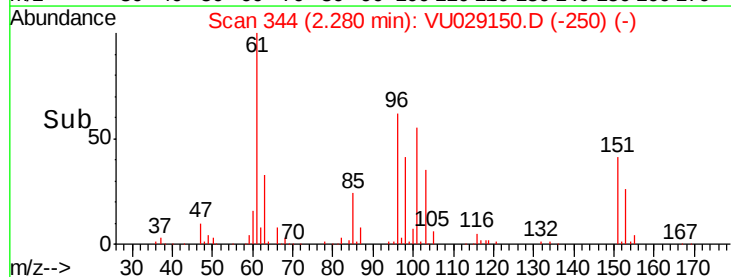
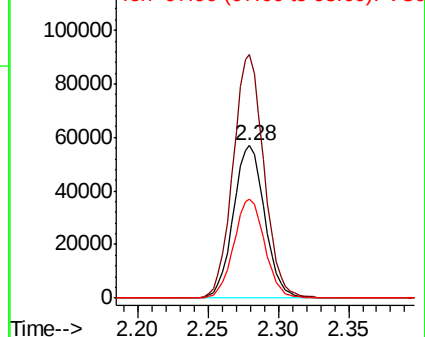
98 65.3 49.7 74.5

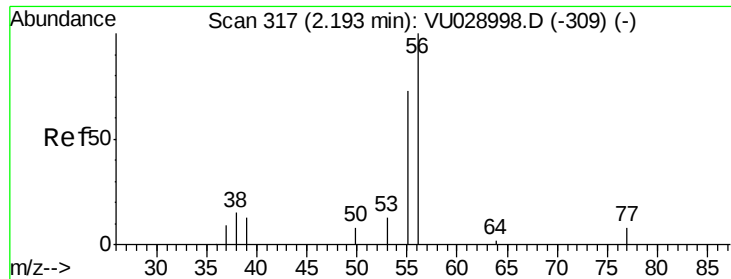


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

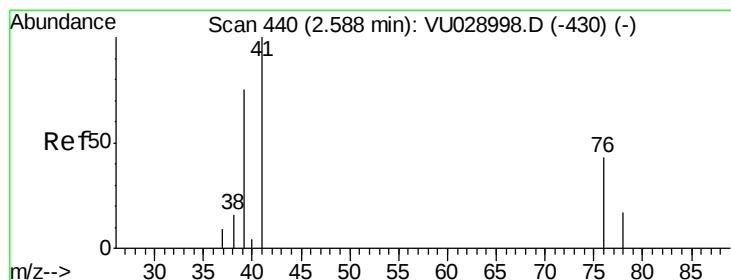
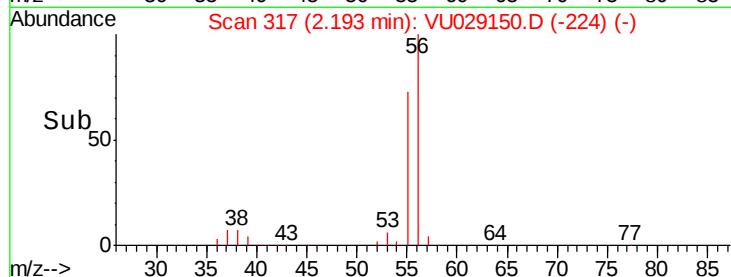
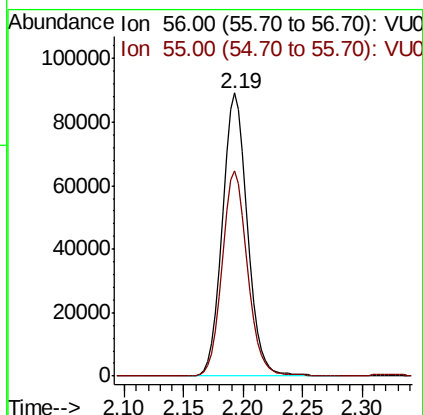
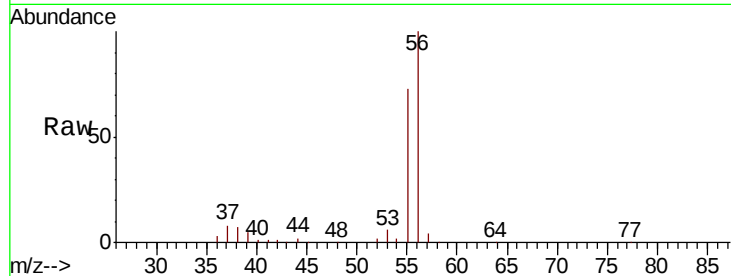




#13
Acrolein
Concen: 324.495 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

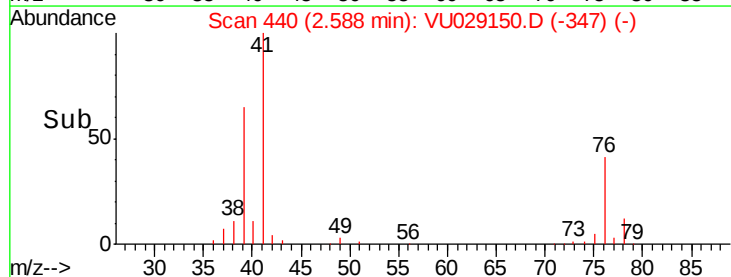
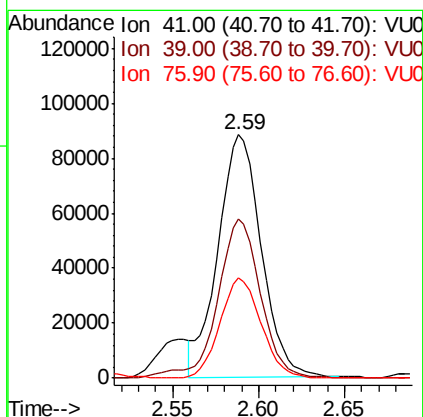
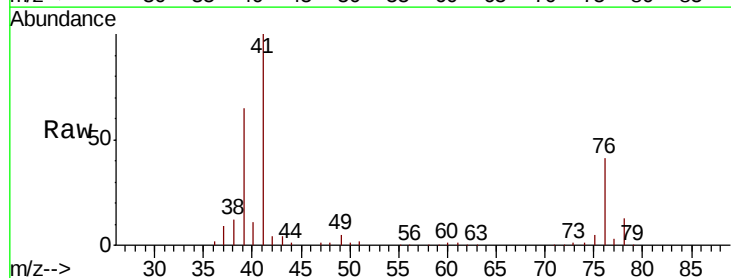
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

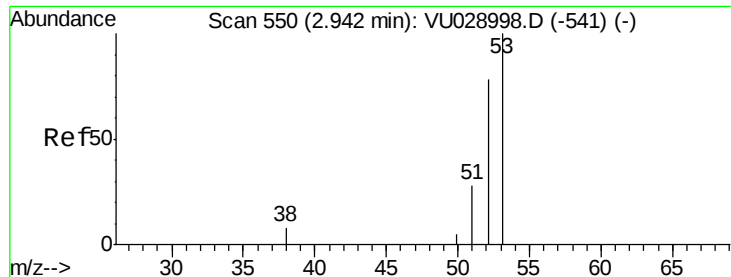
Tgt Ion: 56 Resp: 130522
Ion Ratio Lower Upper
56 100
55 73.3 56.5 84.7



#14
Allyl chloride
Concen: 48.073 ug/l
RT: 2.59 min Scan# 440
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 41 Resp: 155954
Ion Ratio Lower Upper
41 100
39 64.7 45.0 67.6
76 39.1 28.1 42.1





#15

Acrylonitrile

Concen: 275.100 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

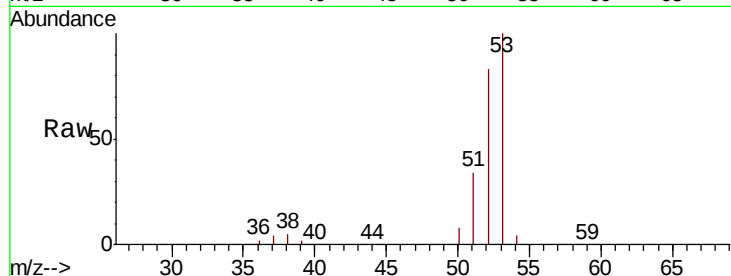
Tgt Ion: 53 Resp: 361532

Ion Ratio Lower Upper

53 100

52 81.6 64.8 97.2

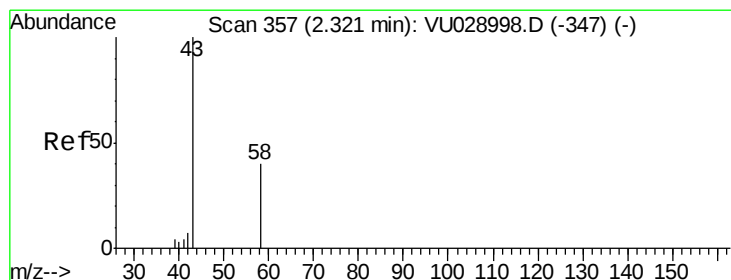
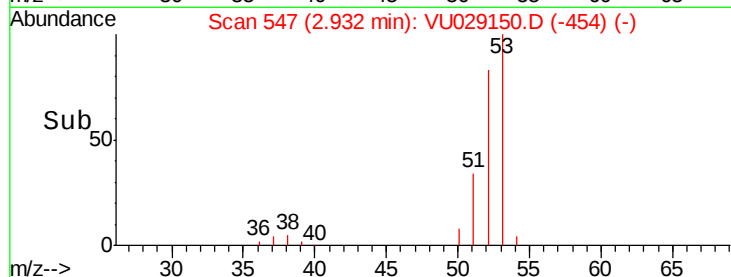
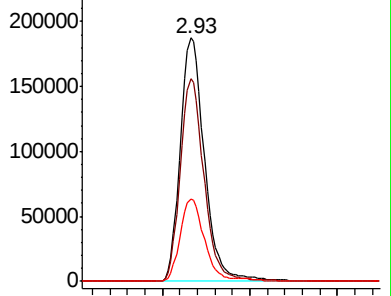
51 34.7 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU029150.D (-541) (-)

Ion 52.00 (51.70 to 52.70): VU029150.D (-541) (-)

Ion 51.00 (50.70 to 51.70): VU029150.D (-541) (-)



#16

Acetone

Concen: 228.363 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029150.D

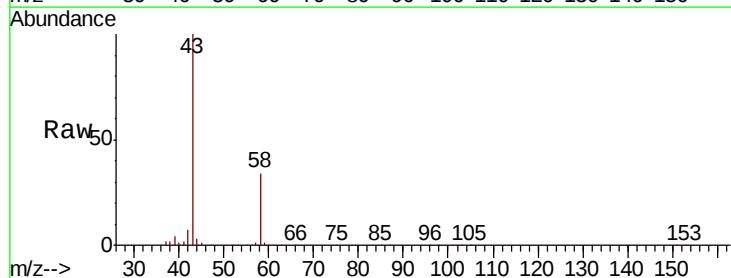
Acq: 11 Jan 2019 18:42

Tgt Ion: 43 Resp: 303171

Ion Ratio Lower Upper

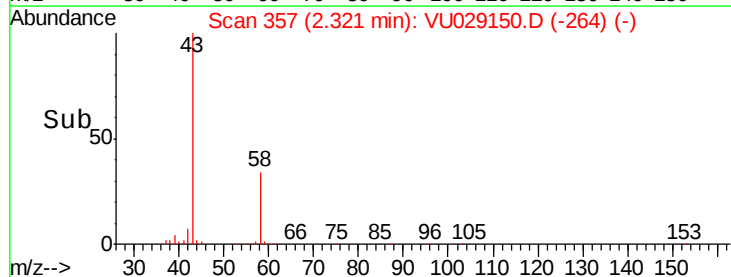
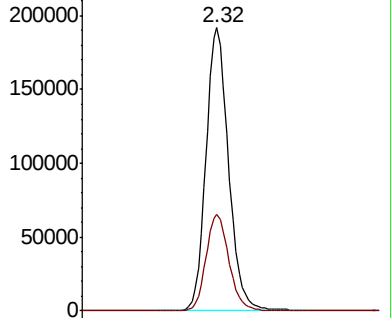
43 100

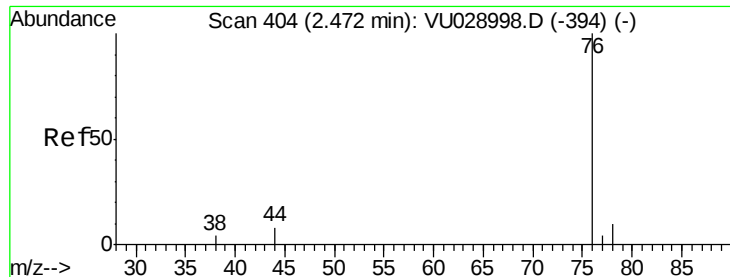
58 34.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU029150.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU029150.D (-264) (-)





#17

Carbon Disulfide

Concen: 47.007 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

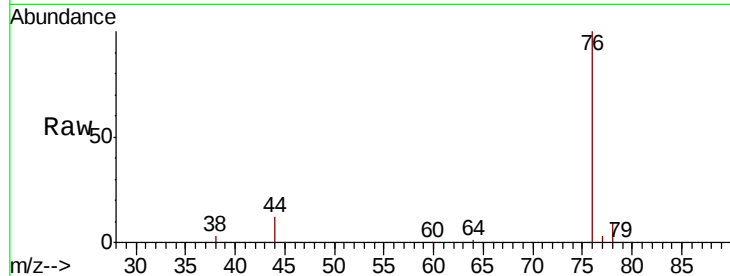
VSTDCCC050EC

Tgt Ion: 76 Resp: 275413

Ion Ratio Lower Upper

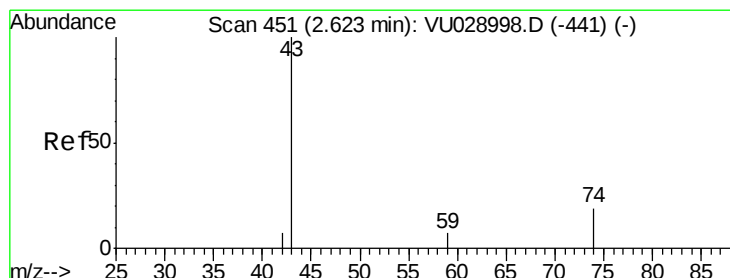
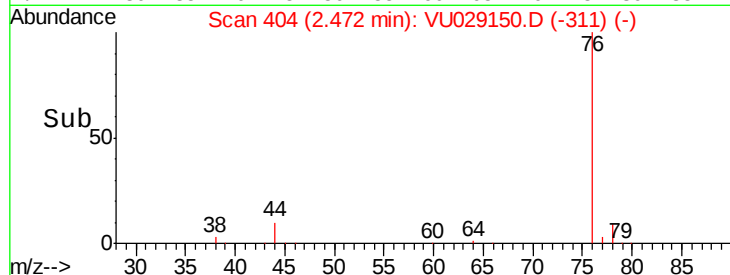
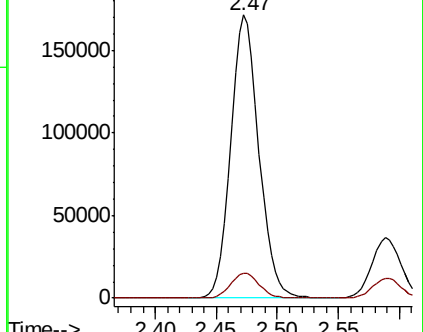
76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU029150.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029150.D (-311) (-)



#18

Methyl Acetate

Concen: 58.224 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029150.D

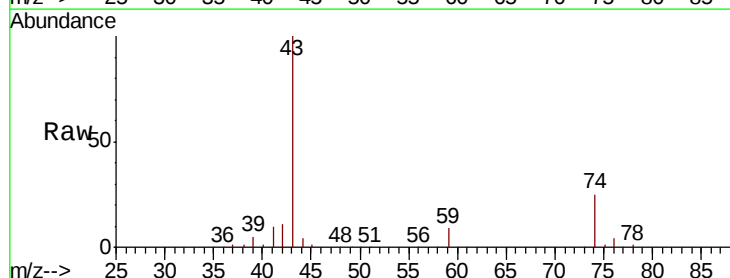
Acq: 11 Jan 2019 18:42

Tgt Ion: 43 Resp: 179730

Ion Ratio Lower Upper

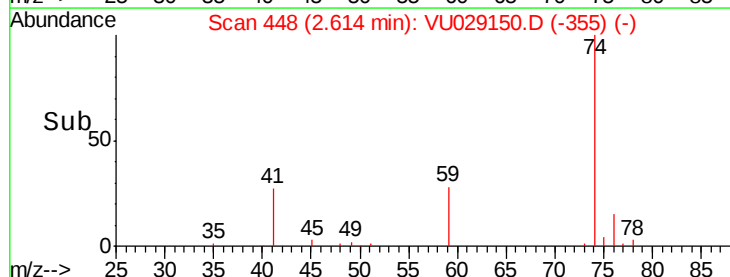
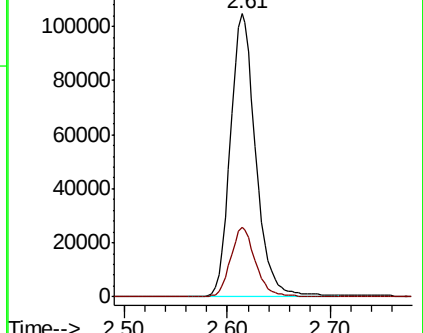
43 100

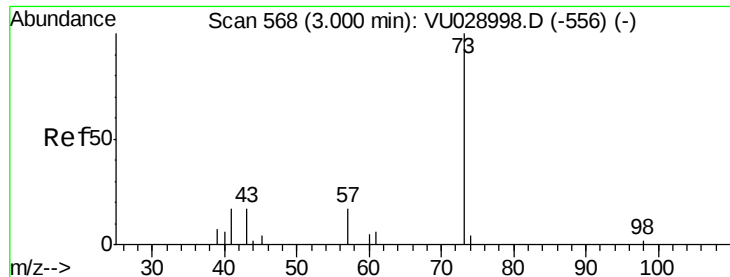
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029150.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029150.D (-355) (-)

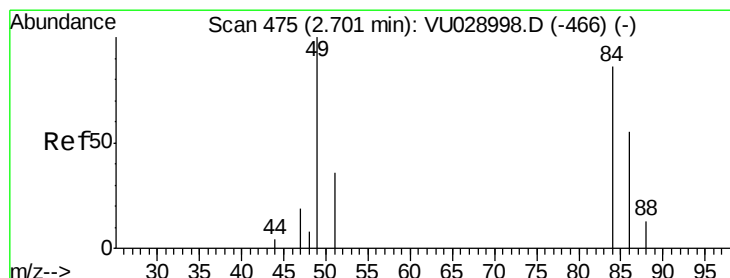
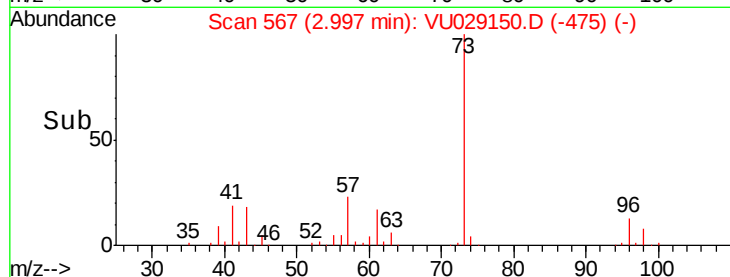
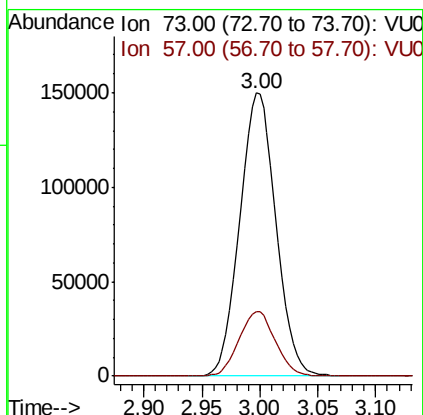
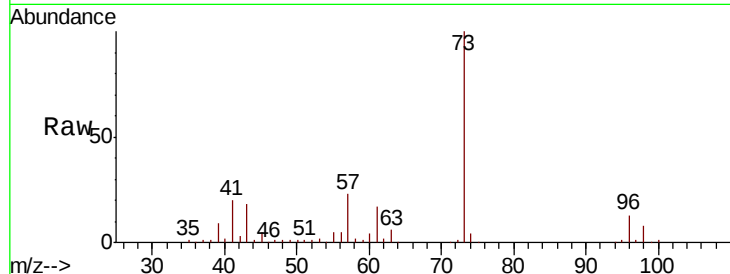




#19
Methyl tert-butyl Ether
Concen: 52.376 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

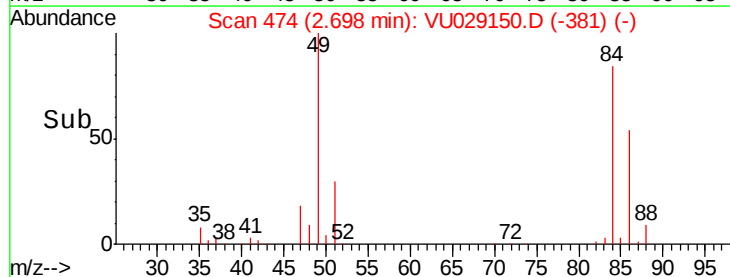
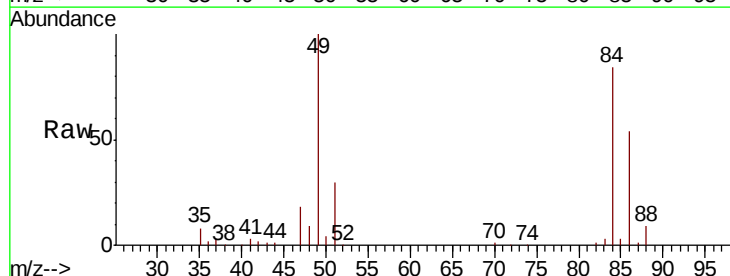
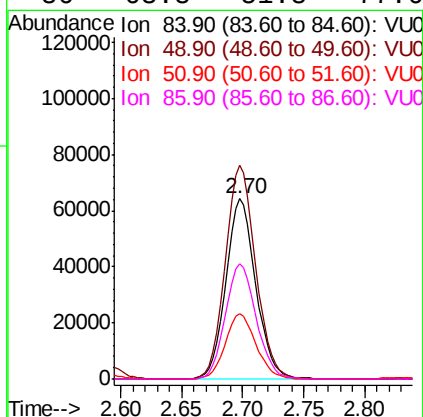
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

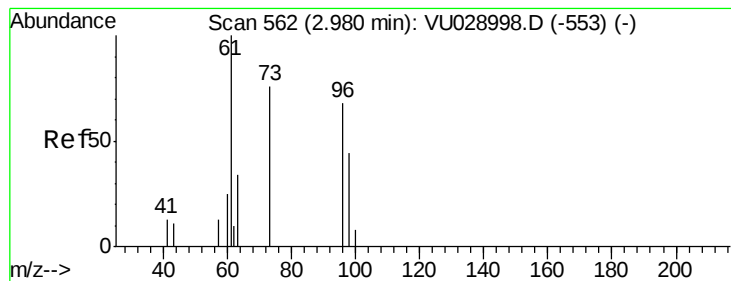
Tgt Ion: 73 Resp: 325572
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0



#20
Methylene Chloride
Concen: 48.972 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 84 Resp: 110384
Ion Ratio Lower Upper
84 100
49 118.5 91.9 137.9
51 36.1 29.2 43.8
86 63.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.875 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

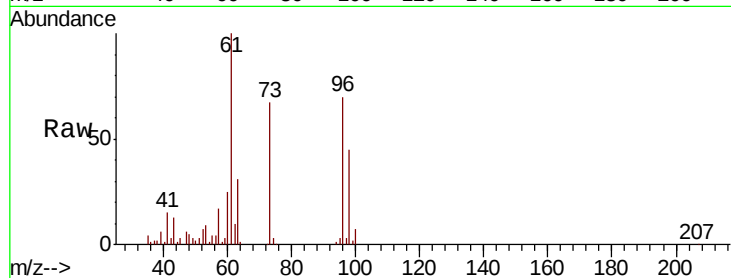
Tgt Ion: 96 Resp: 100397

Ion Ratio Lower Upper

96 100

61 142.0 107.7 161.5

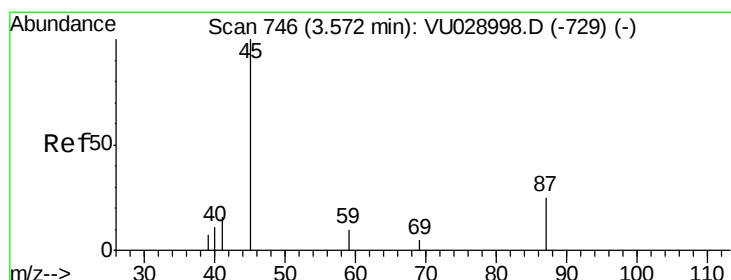
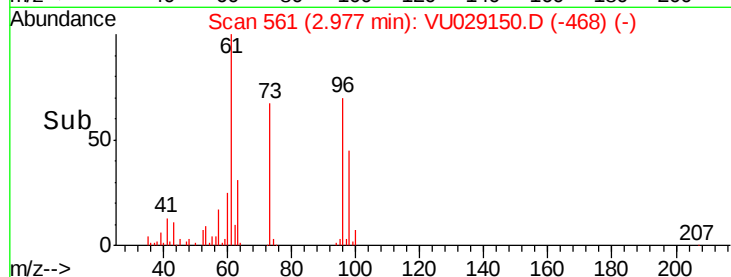
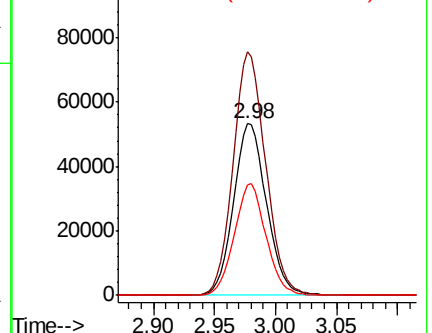
98 64.4 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU028998.D (-553) (-)

Ion 60.90 (60.60 to 61.60): VU028998.D (-553) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-553) (-)



#22

Diisopropyl ether

Concen: 54.498 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion: 45 Resp: 349415

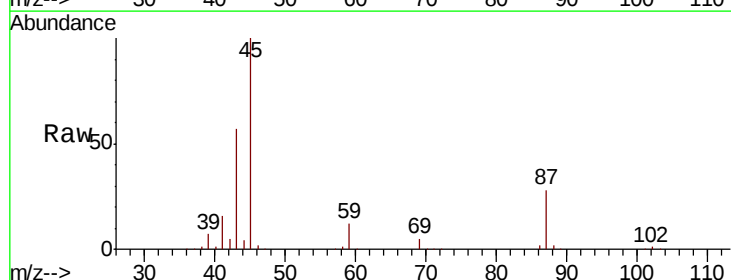
Ion Ratio Lower Upper

45 100

43 56.1 44.7 67.1

87 27.9 22.2 33.2

59 11.9 9.8 14.8

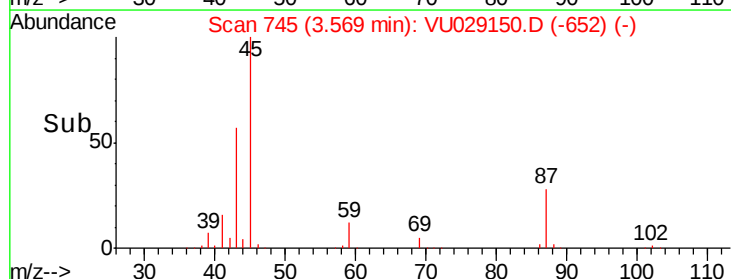
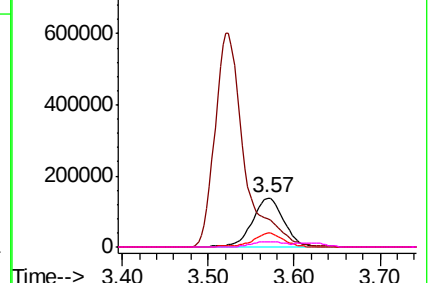


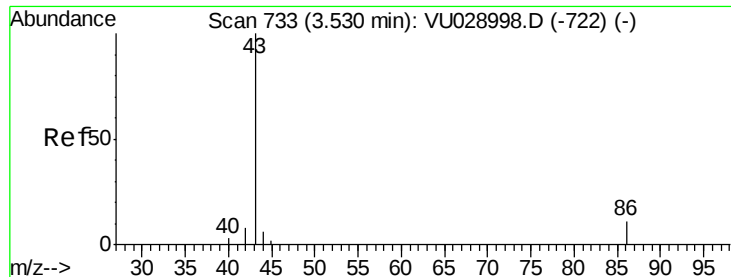
Abundance Ion 45.00 (44.70 to 45.70): VU028998.D (-729) (-)

Ion 43.00 (42.70 to 43.70): VU028998.D (-729) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-729) (-)

Ion 59.00 (58.70 to 59.70): VU028998.D (-729) (-)





#23

Vinyl Acetate

Concen: 273.980 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

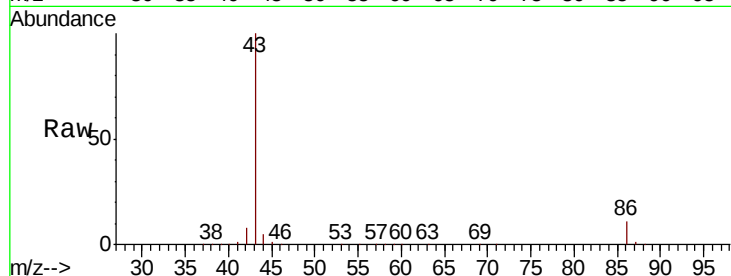
VSTDCCC050EC

Tgt Ion: 43 Resp: 1436062

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-722) (-)

Ion 86.00 (85.70 to 86.70): VU028998.D (-722) (-)

3.52

600000

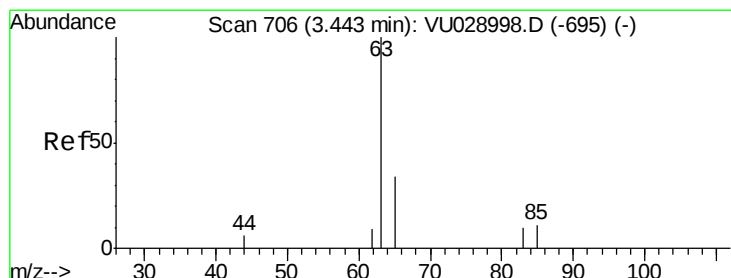
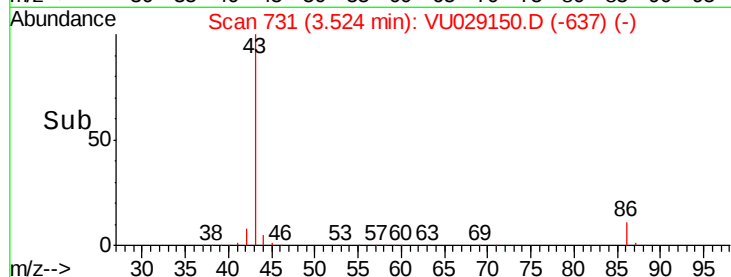
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 53.032 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

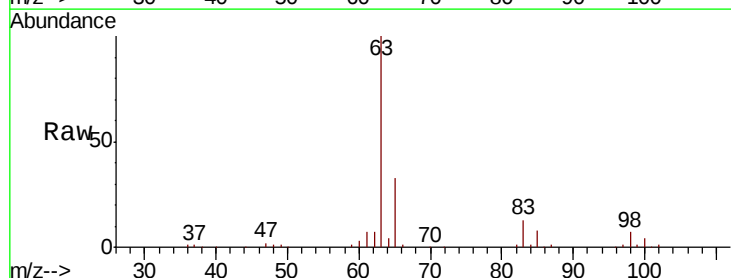
Tgt Ion: 63 Resp: 196285

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-695) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-695) (-)

Ion 99.90 (99.60 to 100.60): VU028998.D (-695) (-)

3.44

120000

100000

80000

60000

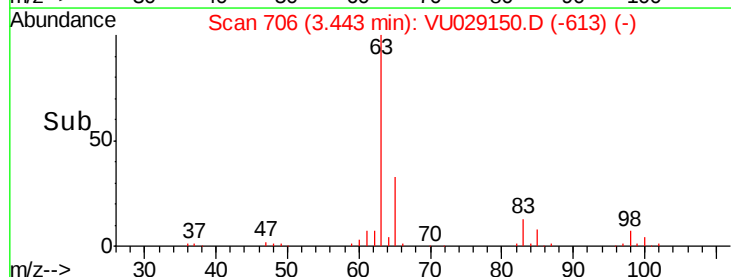
40000

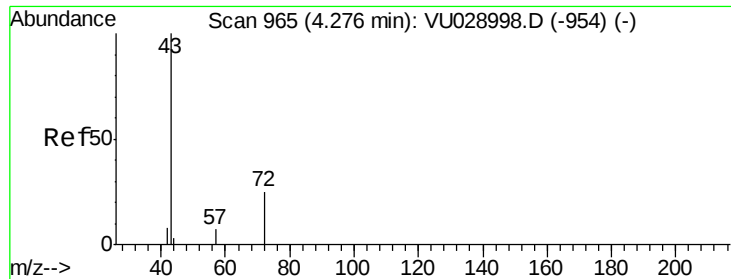
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 273.867 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

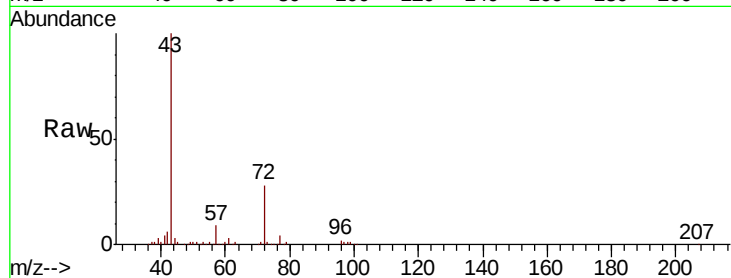
VSTDCCC050EC

Tgt Ion: 43 Resp: 491069

Ion Ratio Lower Upper

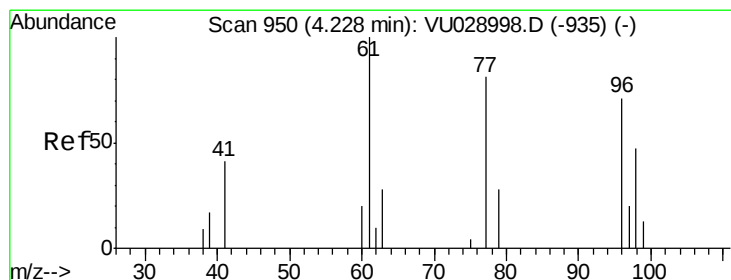
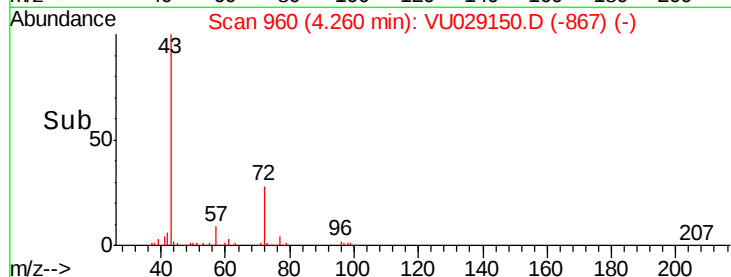
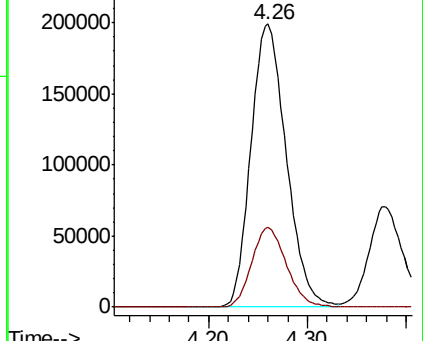
43 100

72 28.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 51.532 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029150.D

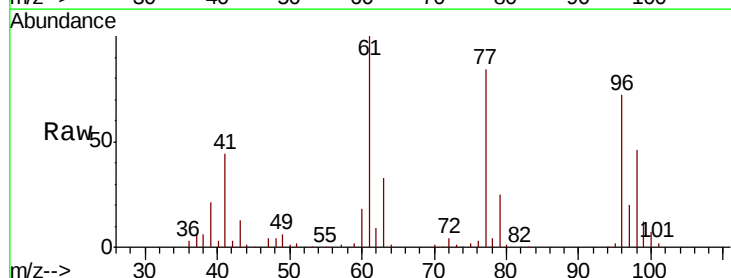
Acq: 11 Jan 2019 18:42

Tgt Ion: 77 Resp: 154117

Ion Ratio Lower Upper

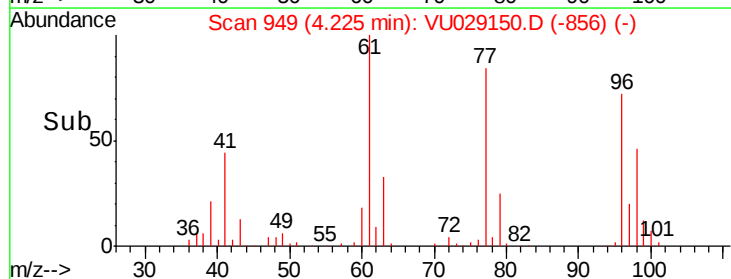
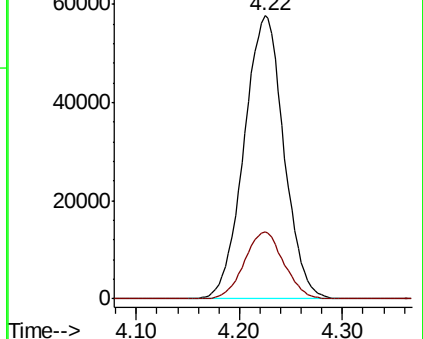
77 100

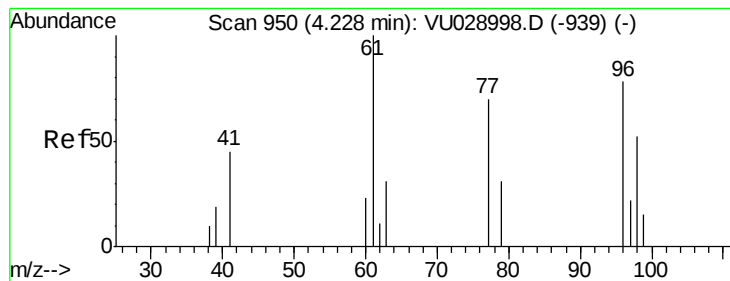
97 23.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



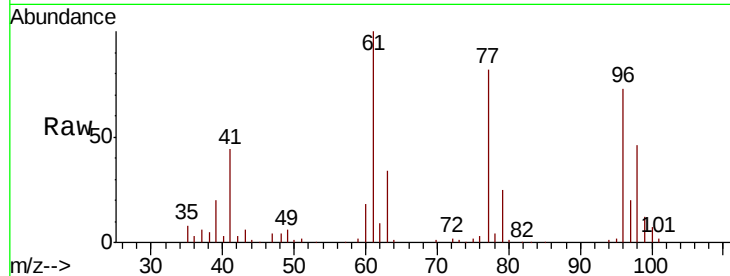


#27

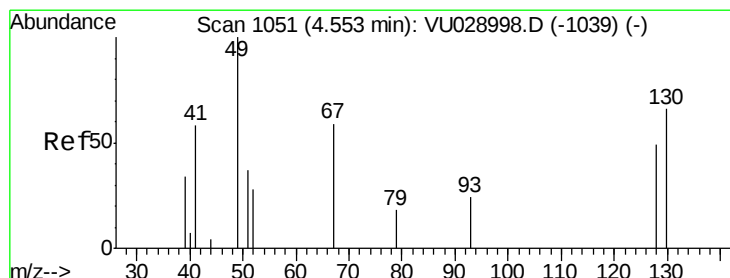
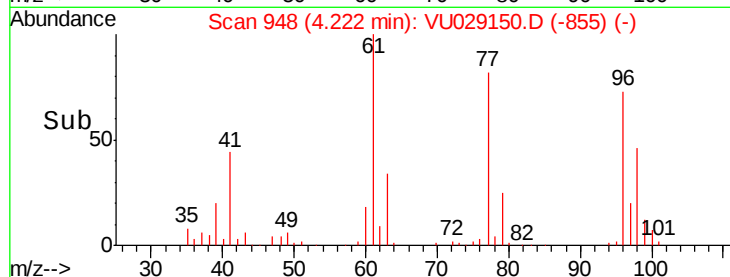
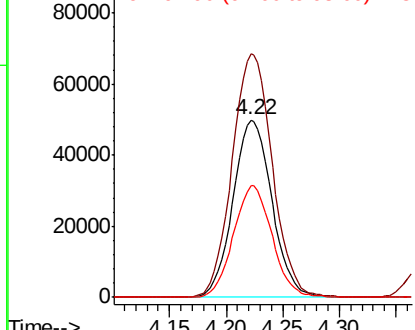
cis-1,2-Dichloroethene
 Concen: 53.094 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	285.6
98	62.5	0.0	130.2



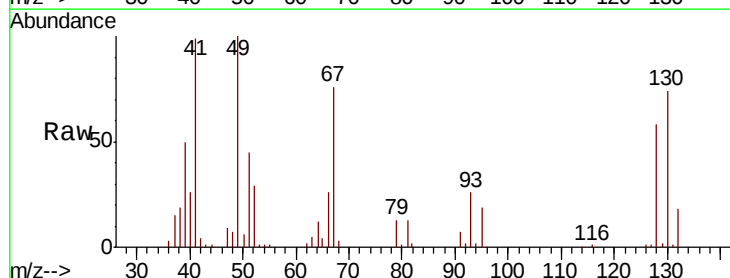
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



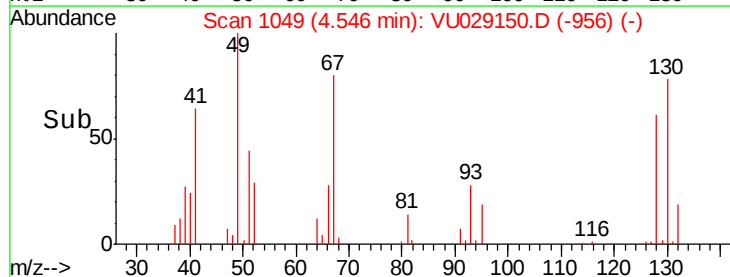
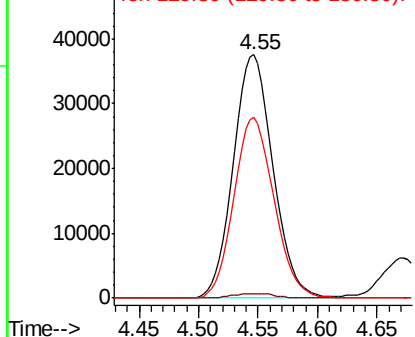
#28

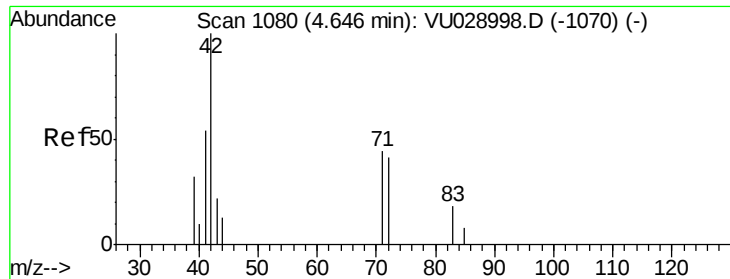
Bromochloromethane
 Concen: 54.954 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	74.8	62.9	94.3



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

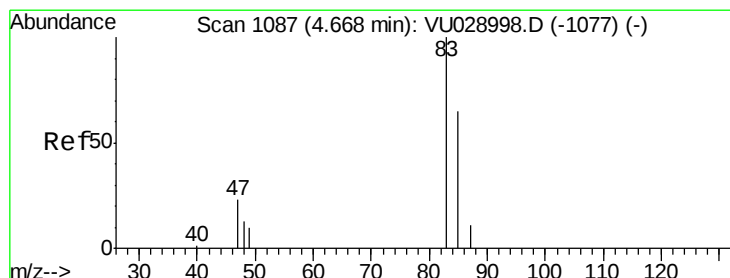
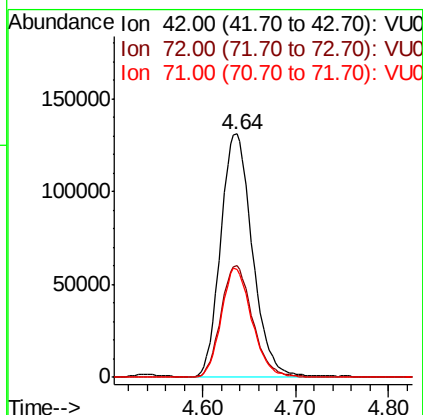
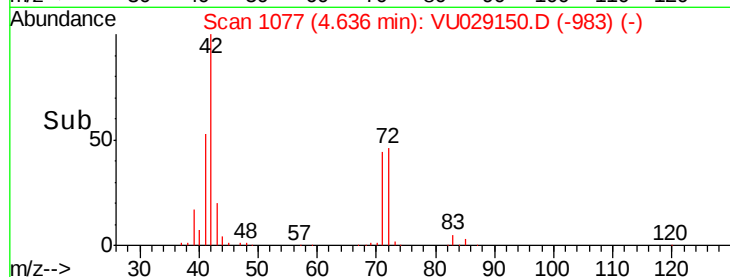
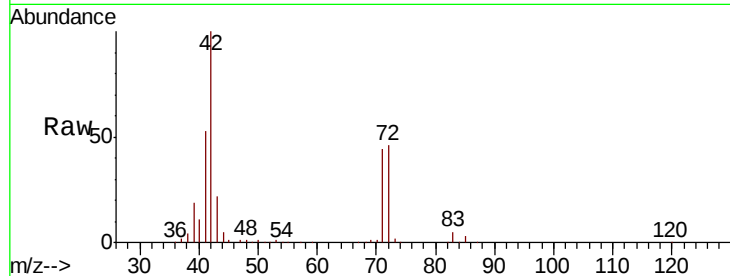




#29
Tetrahydrofuran
Concen: 287.014 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

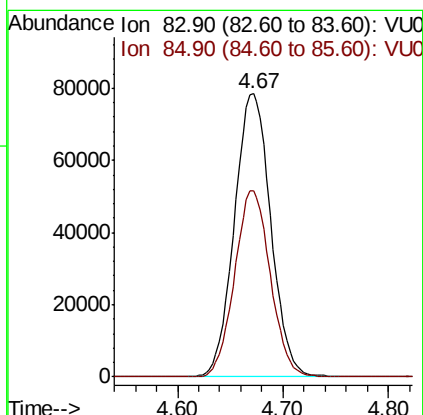
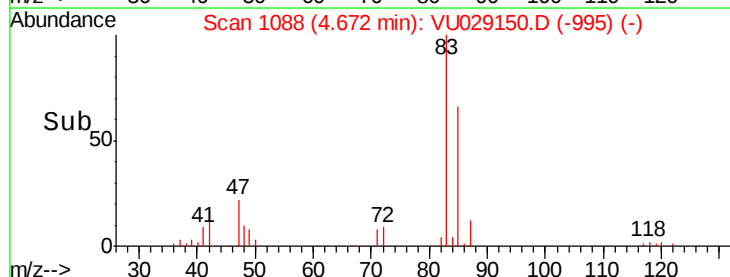
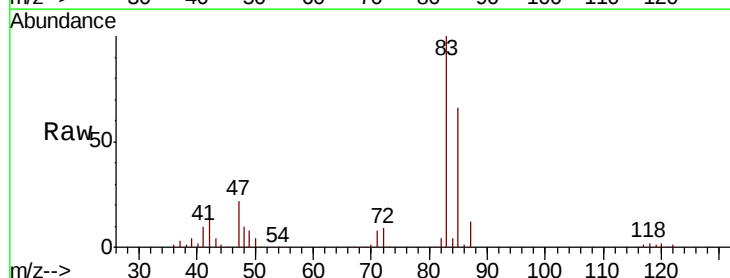
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

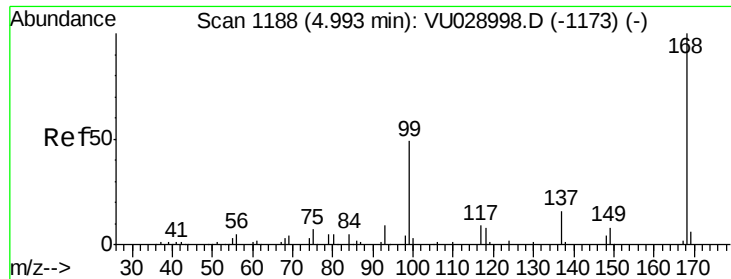
Tgt Ion: 42 Resp: 312139
Ion Ratio Lower Upper
42 100
72 45.8 38.3 57.5
71 43.4 36.1 54.1



#30
Chloroform
Concen: 53.306 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 83 Resp: 187921
Ion Ratio Lower Upper
83 100
85 65.9 53.4 80.0

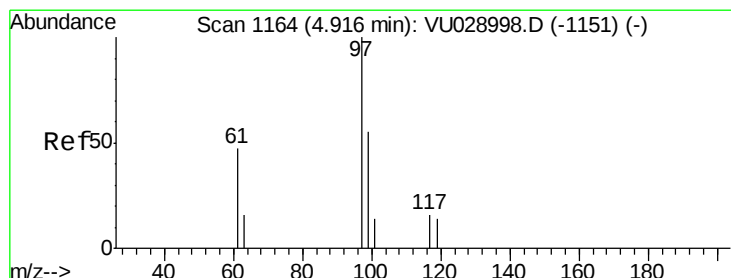
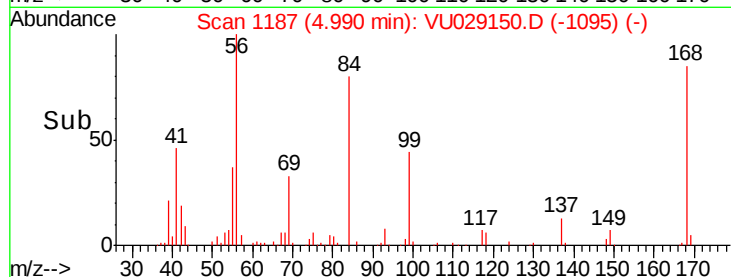
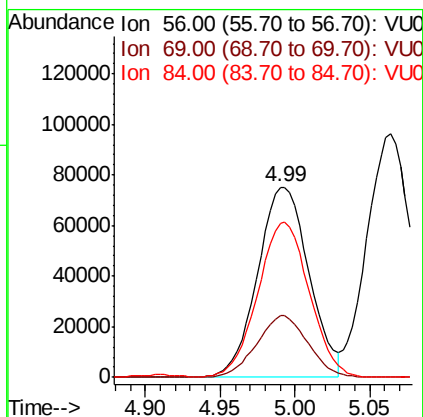
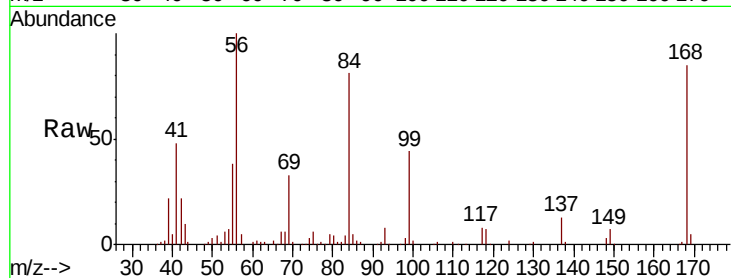




#31
Cyclohexane
Concen: 51.444 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

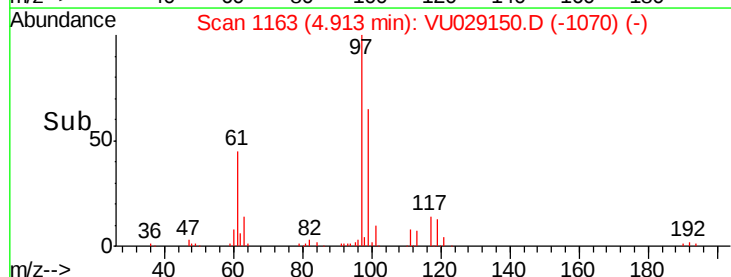
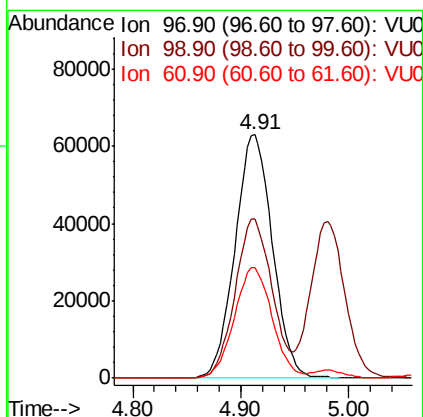
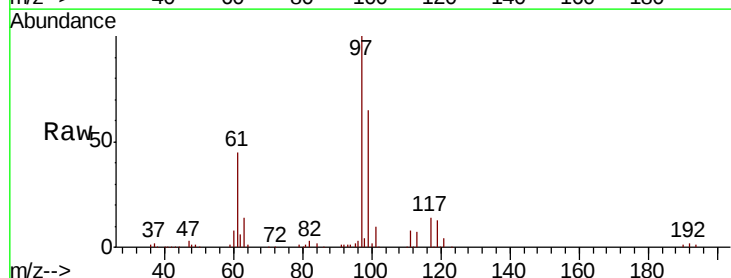
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

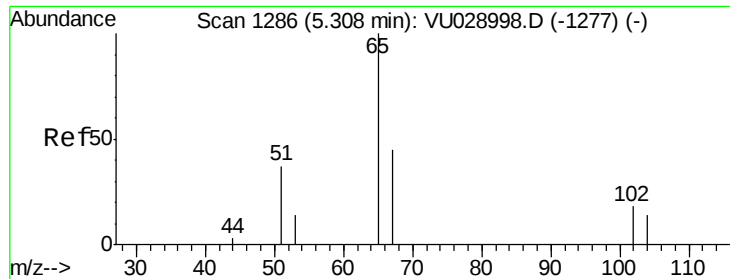
Tgt Ion: 56 Resp: 179627
Ion Ratio Lower Upper
56 100
69 32.6 26.7 40.1
84 80.4 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 52.248 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 97 Resp: 152193
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 45.9 34.4 51.6

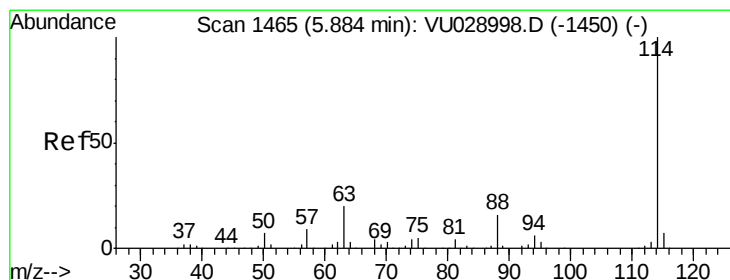
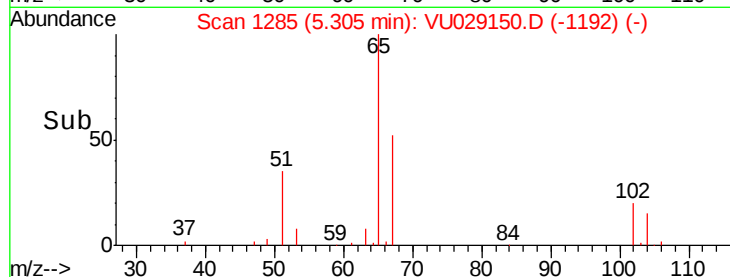
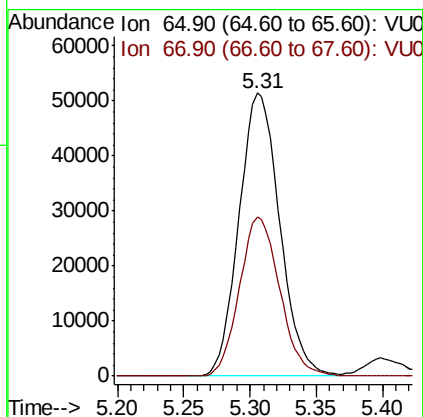
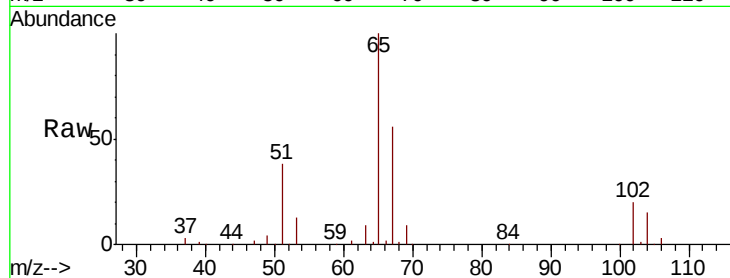




#33
 1,2-Dichloroethane-d4
 Concen: 52.214 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

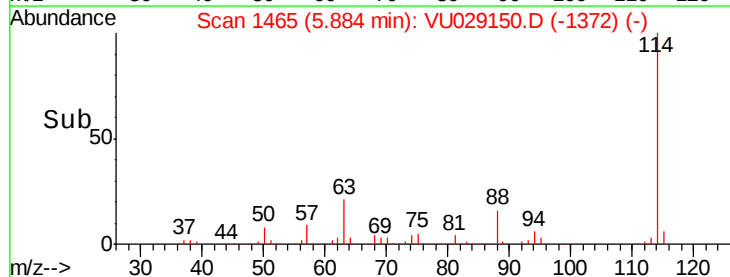
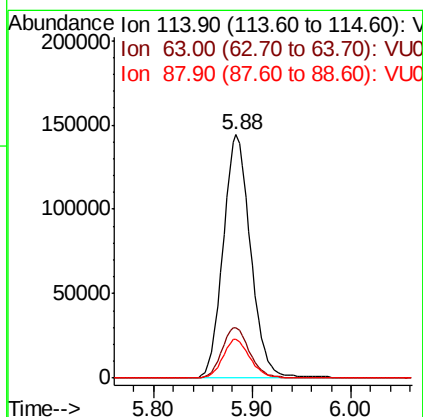
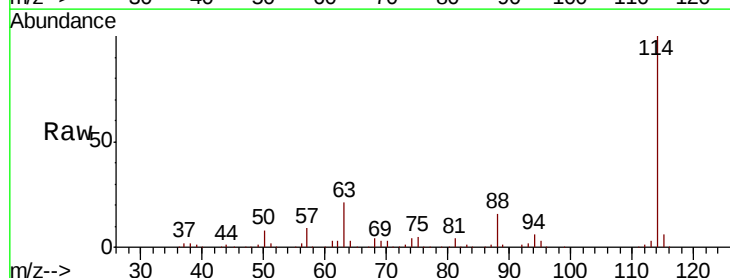
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

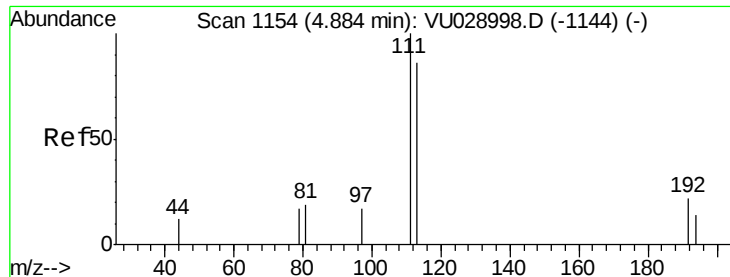
Tgt Ion: 65 Resp: 110037
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 114 Resp: 281884
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.9 0.0 30.4

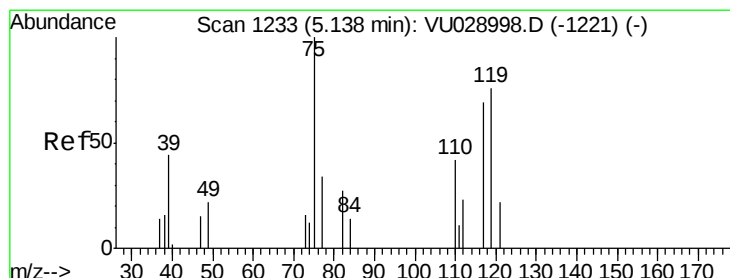
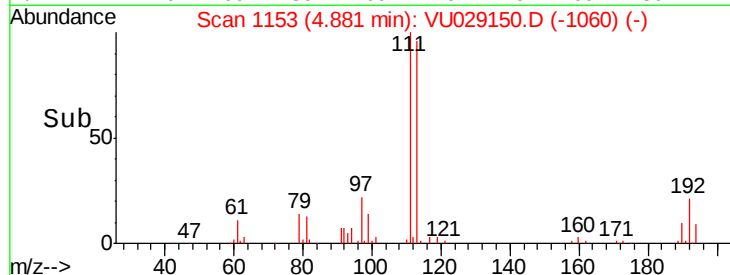
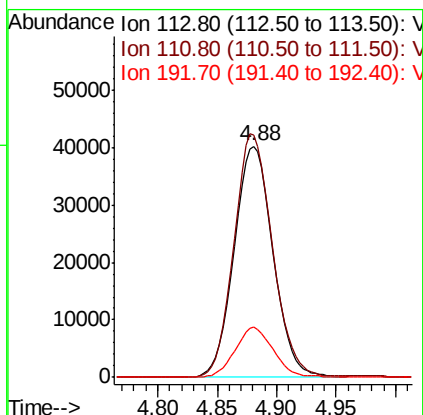
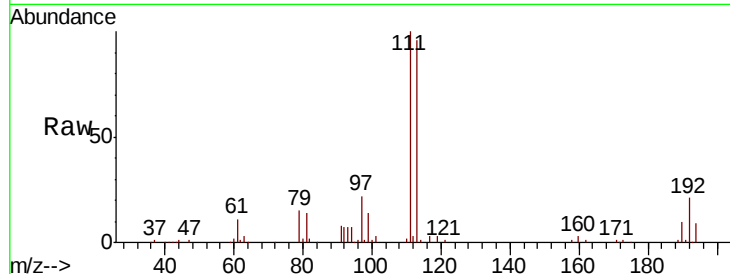




#35
 Dibromofluoromethane
 Concen: 49.937 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

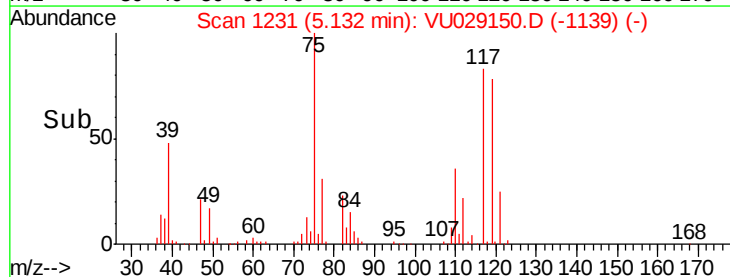
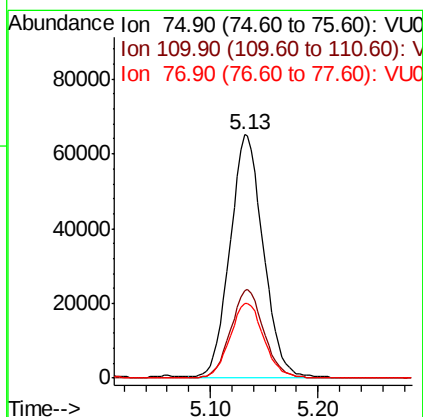
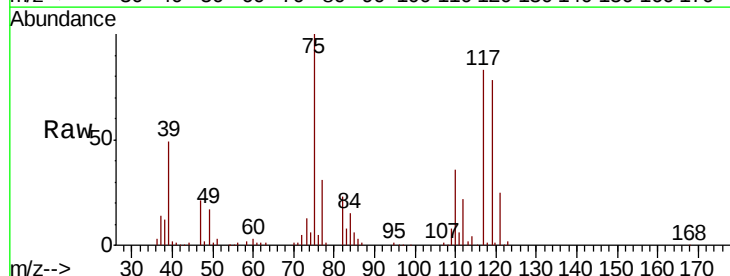
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

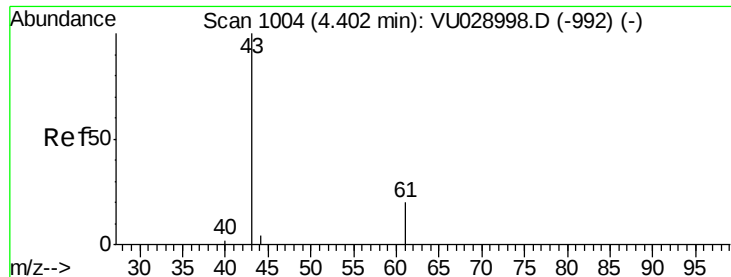
Tgt Ion:113 Resp: 91248
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 49.462 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 75 Resp: 139362
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.4 55.4
 77 30.9 25.1 37.7

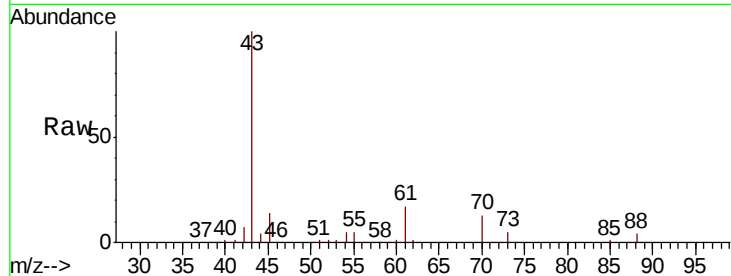




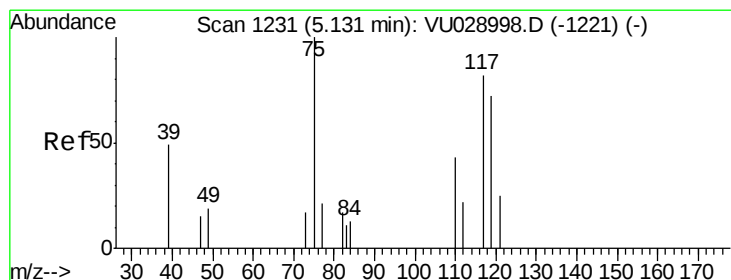
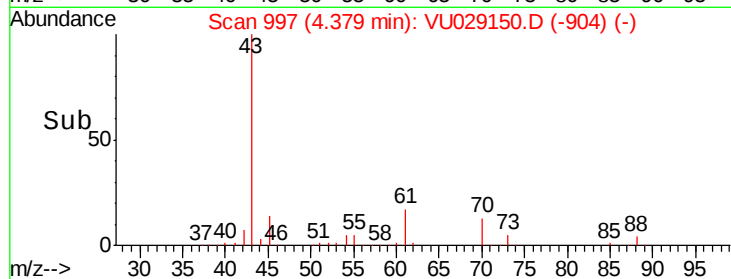
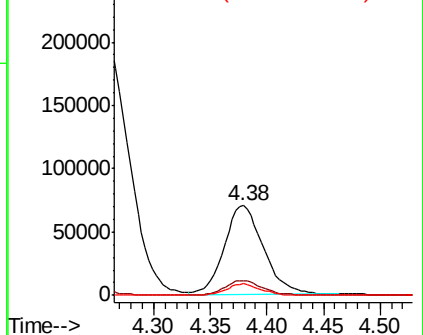
#37
Ethyl Acetate
Concen: 54.761 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 169362
Ion Ratio Lower Upper
43 100
61 16.3 12.6 18.8
70 11.4 9.3 13.9

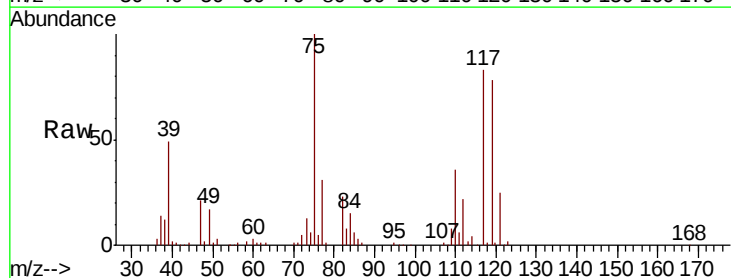


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

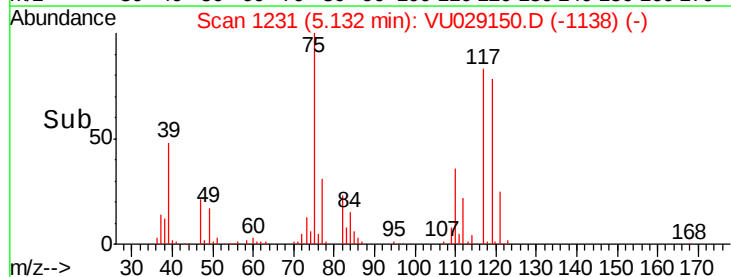
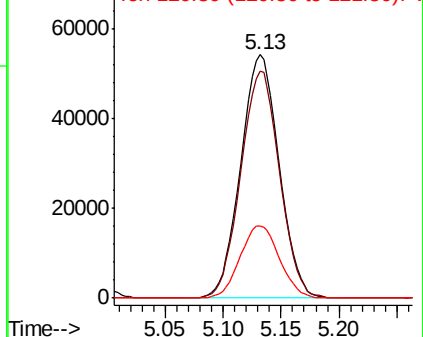


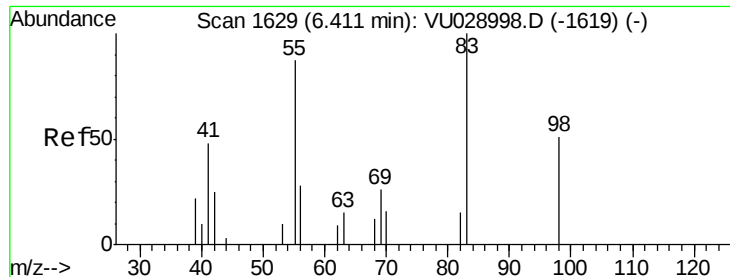
#38
Carbon Tetrachloride
Concen: 53.387 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 117 Resp: 125458
Ion Ratio Lower Upper
117 100
119 93.5 74.6 111.8
121 29.8 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

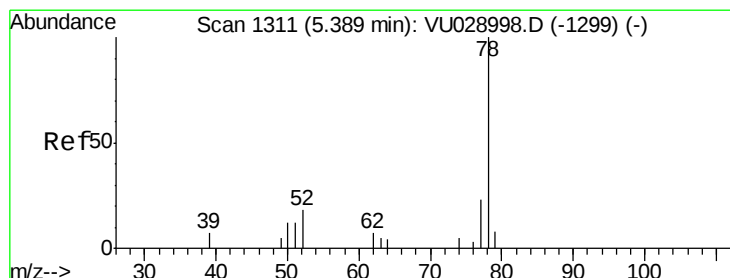
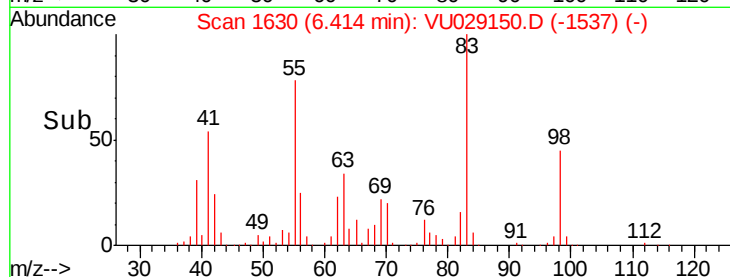
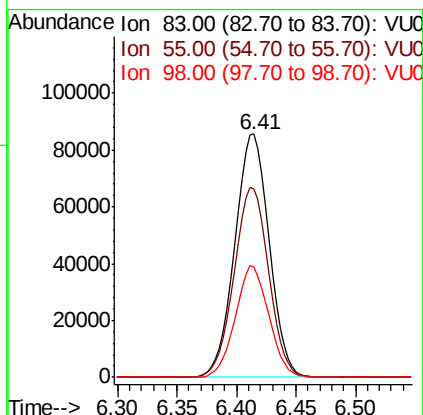
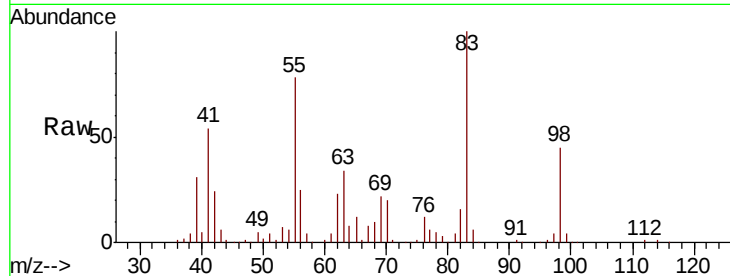




#39
Methylcyclohexane
Concen: 49.516 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

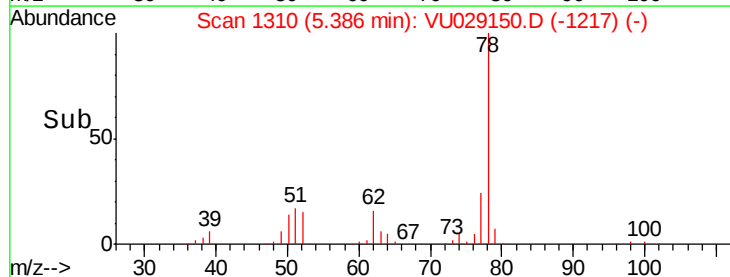
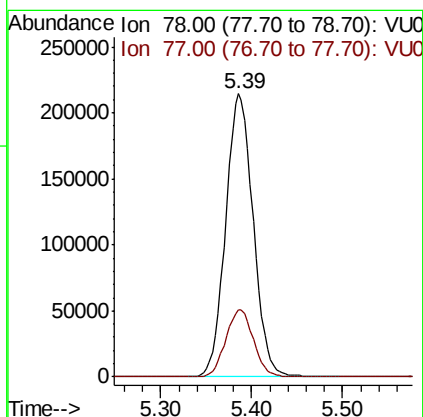
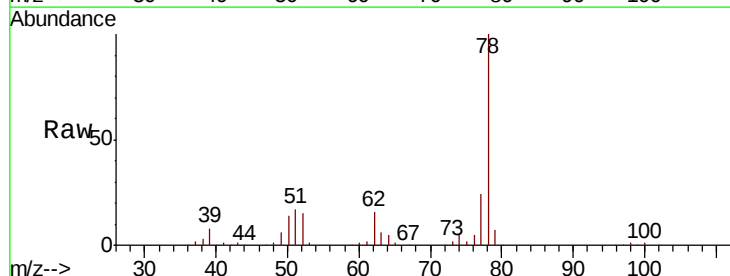
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

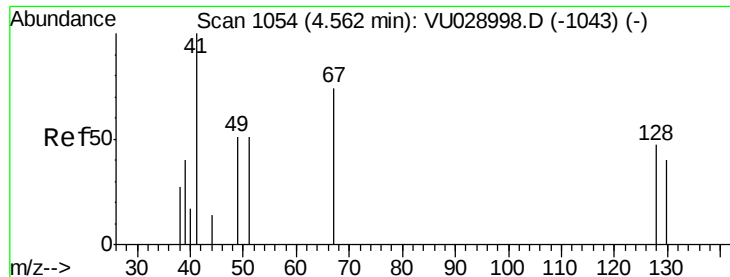
Tgt Ion: 83 Resp: 171514
Ion Ratio Lower Upper
83 100
55 77.7 62.4 93.6
98 45.4 36.2 54.2



#40
Benzene
Concen: 51.252 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 78 Resp: 450444
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3

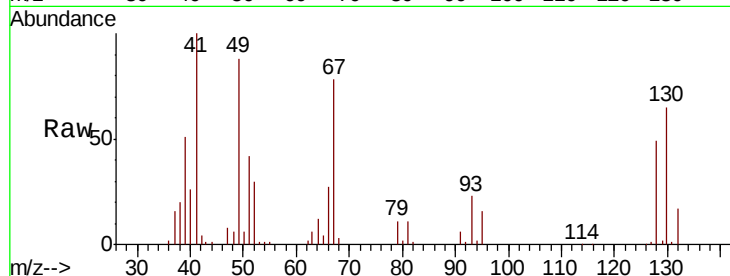




#41
Methacrylonitrile
Concen: 58.194 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	96339
Ion	Ratio	Lower	Upper
41	100		
39	50.2	42.3	63.5
67	76.5	64.4	96.6
52	27.4	23.9	35.9



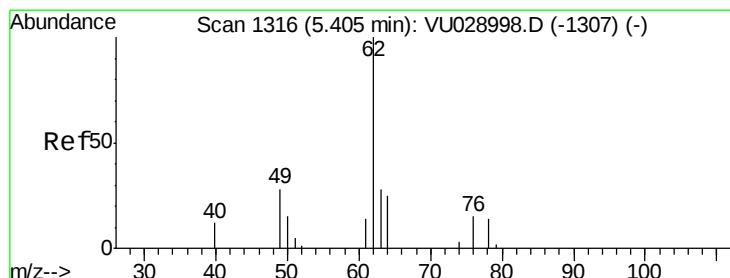
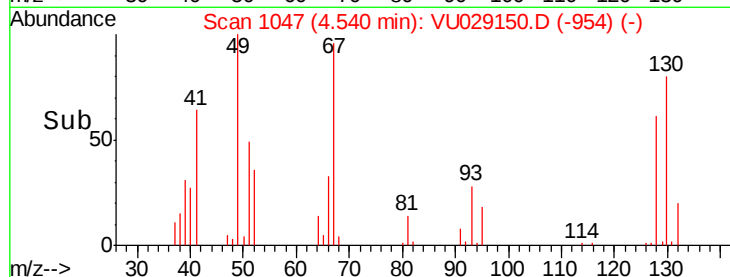
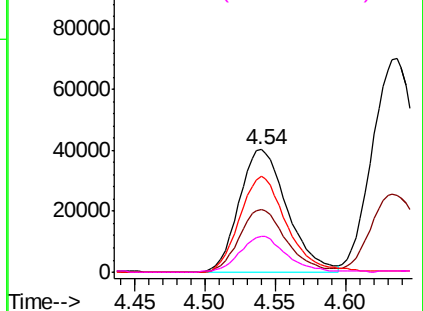
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

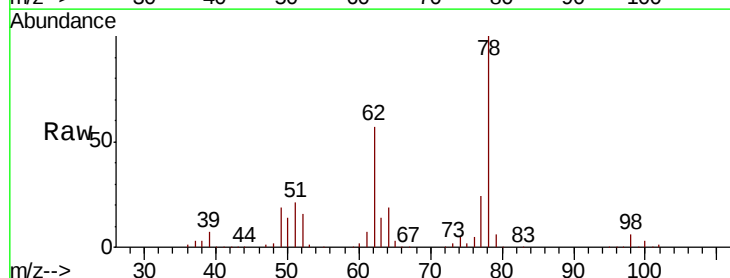
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 54.598 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

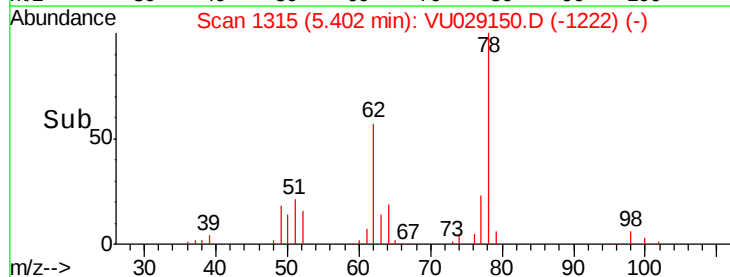
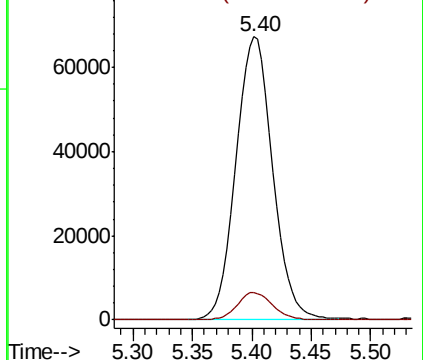
Tgt Ion:	62	Resp:	144189
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6

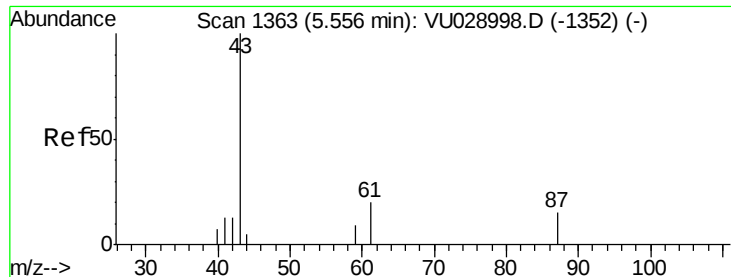


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 55.832 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

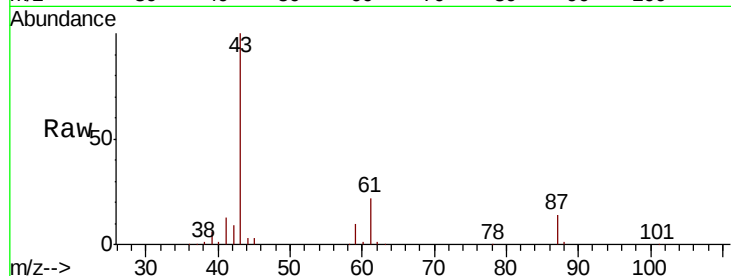
Tgt Ion: 43 Resp: 264880

Ion Ratio Lower Upper

43 100

61 21.9 17.8 26.6

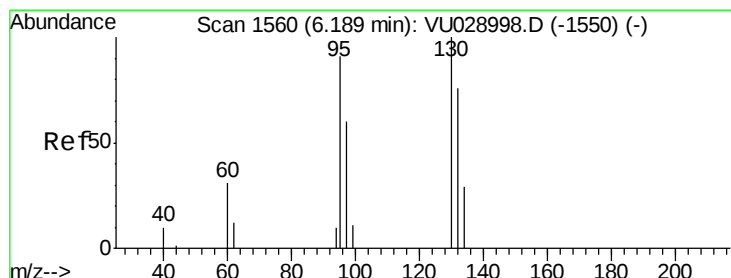
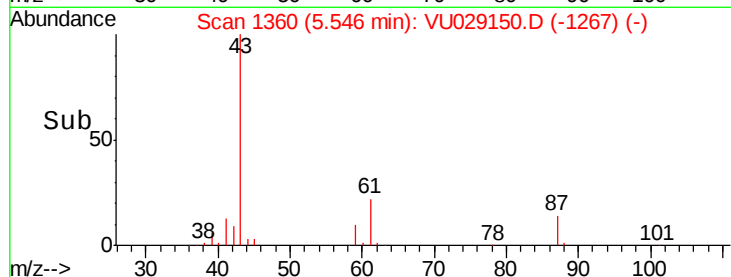
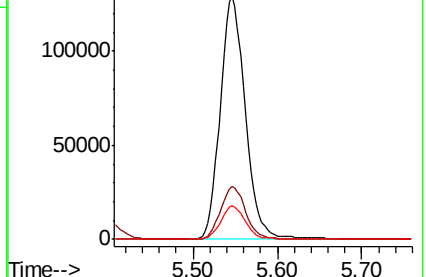
87 13.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 49.738 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029150.D

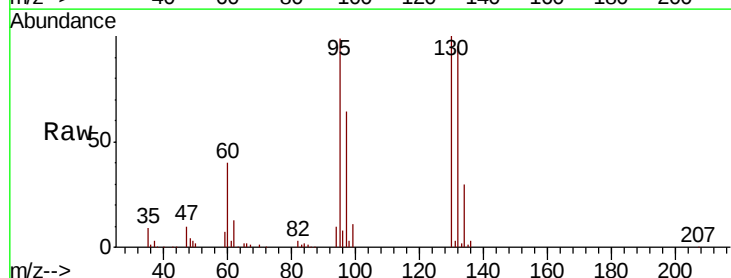
Acq: 11 Jan 2019 18:42

Tgt Ion: 130 Resp: 108310

Ion Ratio Lower Upper

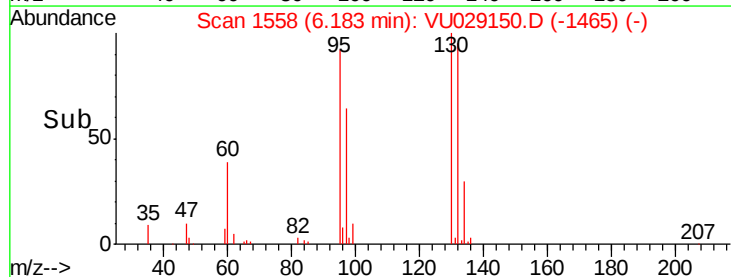
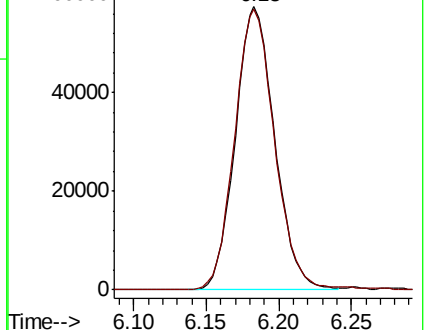
130 100

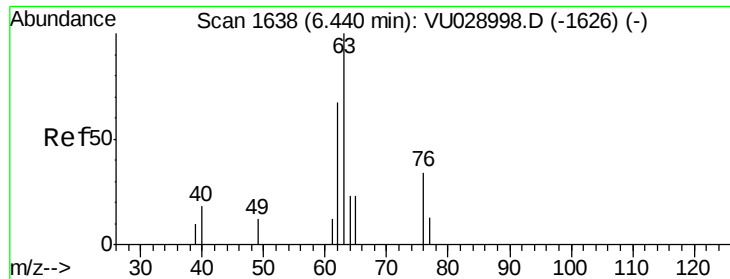
95 99.1 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)

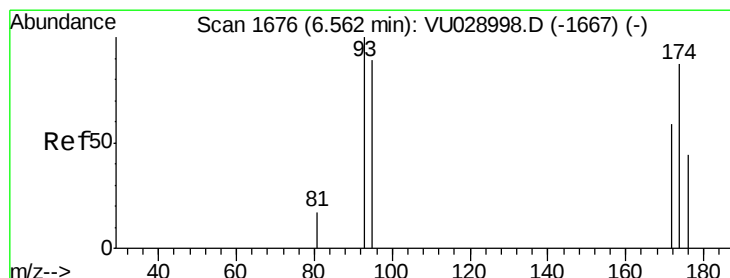
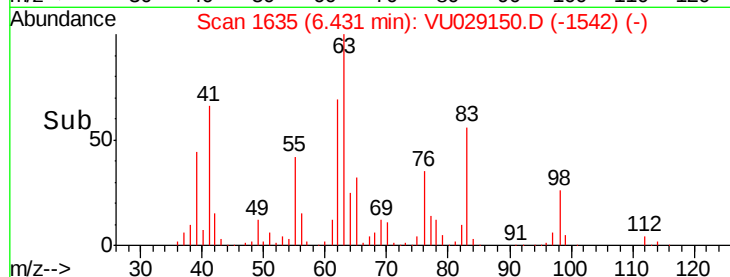
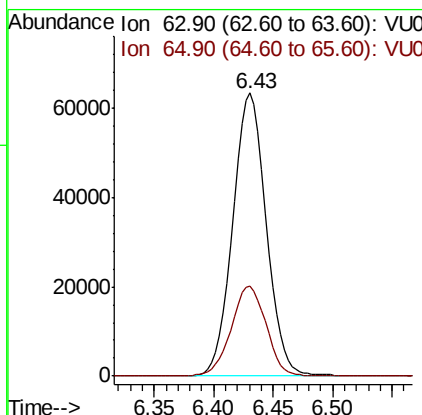
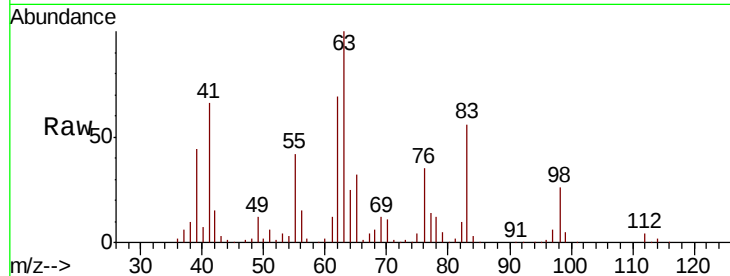




#45
 1,2-Dichloropropane
 Concen: 53.206 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

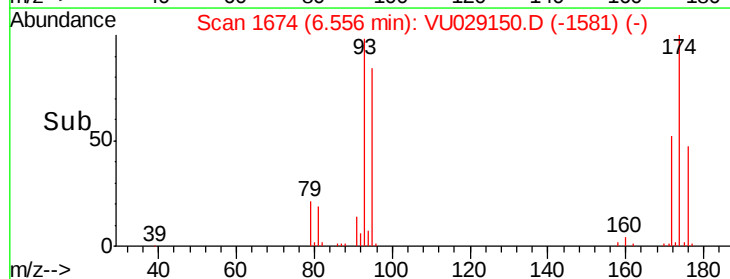
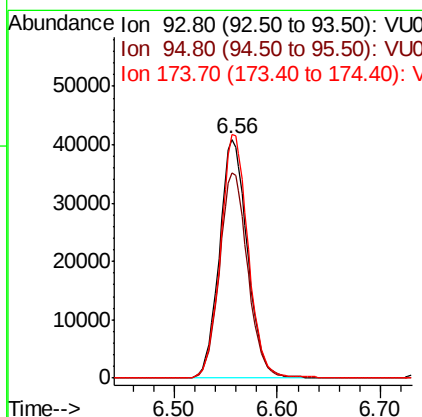
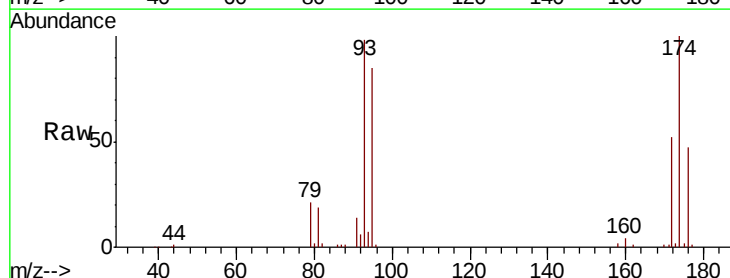
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

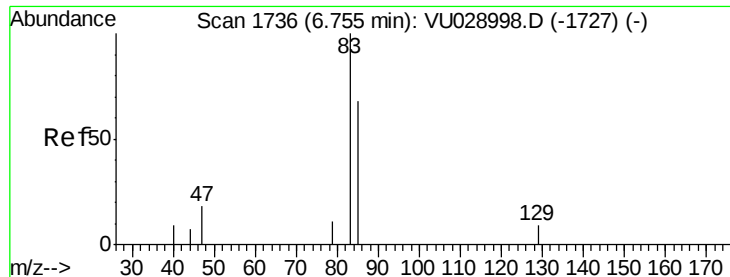
Tgt Ion: 63 Resp: 123487
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7



#46
 Dibromomethane
 Concen: 52.057 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 93 Resp: 77236
 Ion Ratio Lower Upper
 93 100
 95 86.9 67.2 100.8
 174 100.5 82.6 123.8





#47

Bromodichloromethane

Concen: 53.601 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

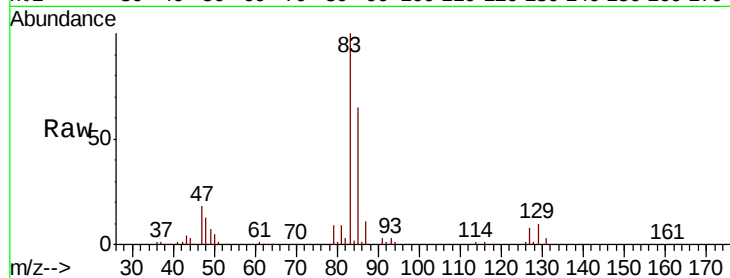
Tgt Ion: 83 Resp: 146422

Ion Ratio Lower Upper

83 100

85 65.2 51.4 77.2

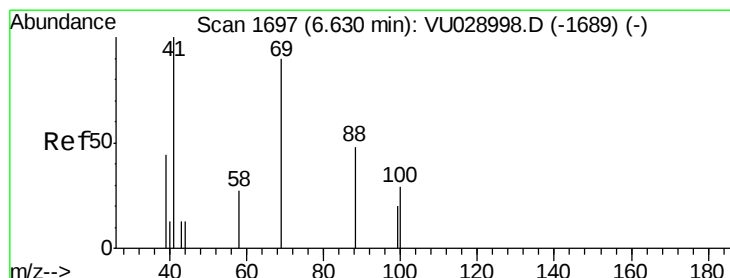
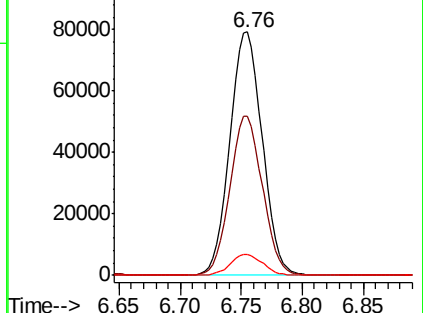
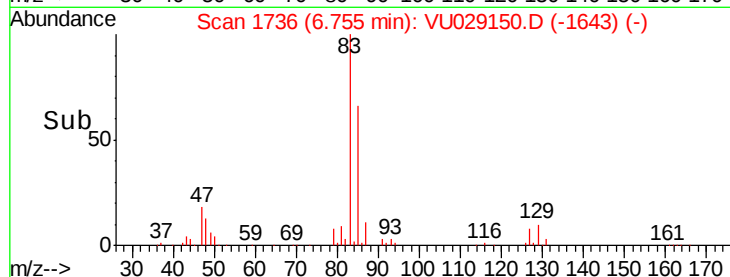
127 8.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU029150.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU029150.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU029150.D (-1643) (-)



#48

Methyl methacrylate

Concen: 57.841 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

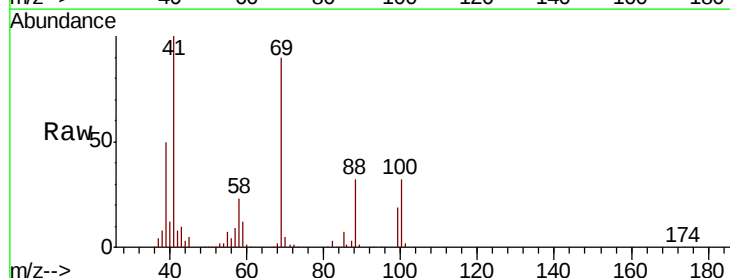
Tgt Ion: 41 Resp: 133617

Ion Ratio Lower Upper

41 100

69 90.1 73.6 110.4

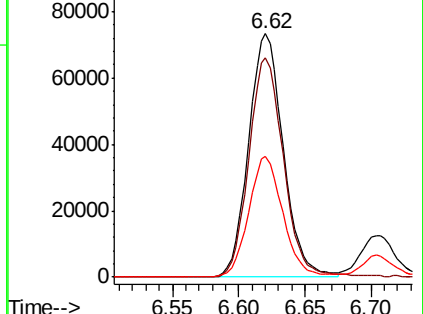
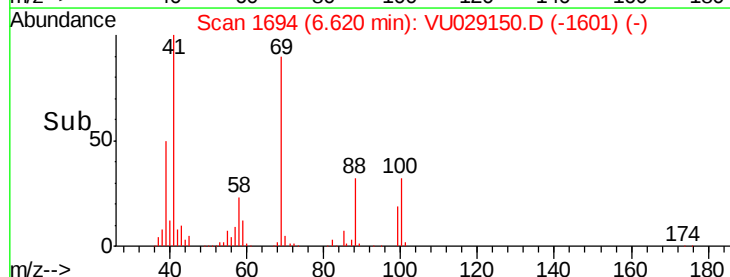
39 49.1 39.6 59.4

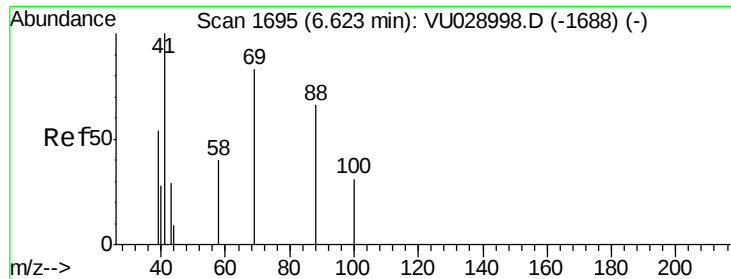


Abundance Ion 41.00 (40.70 to 41.70): VU029150.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU029150.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU029150.D (-1601) (-)

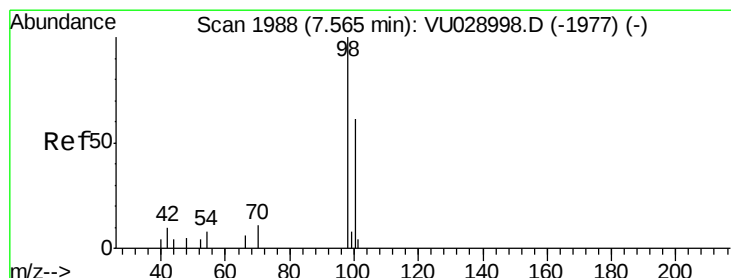
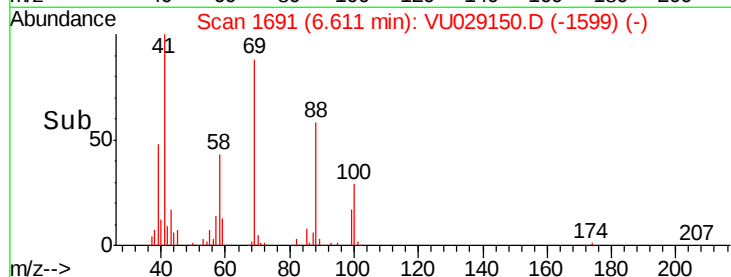
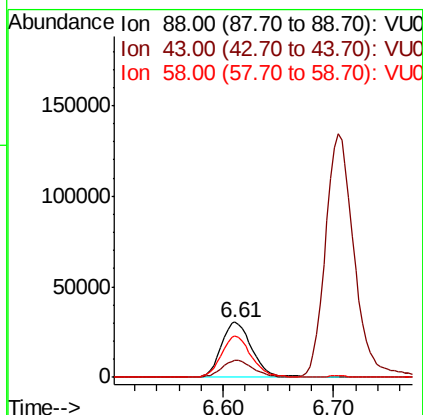
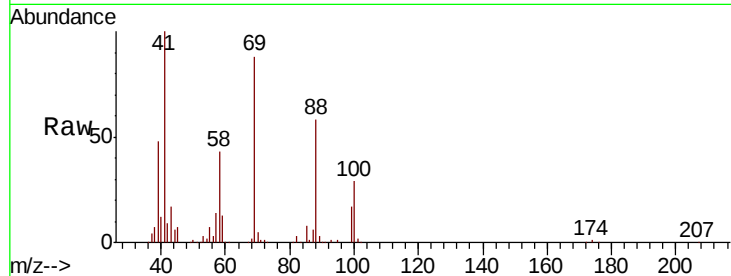




#49
 1,4-Dioxane
 Concen: 1062.262 ug/l
 RT: 6.61 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

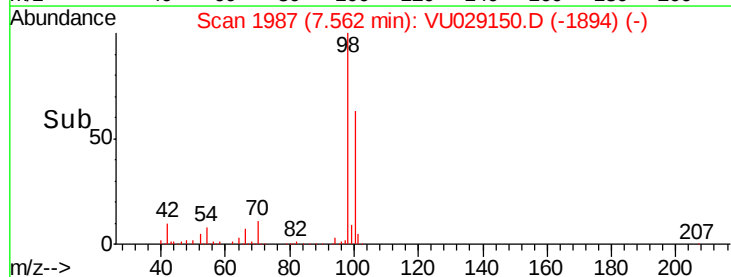
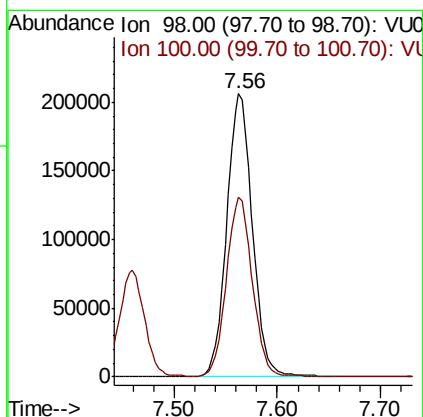
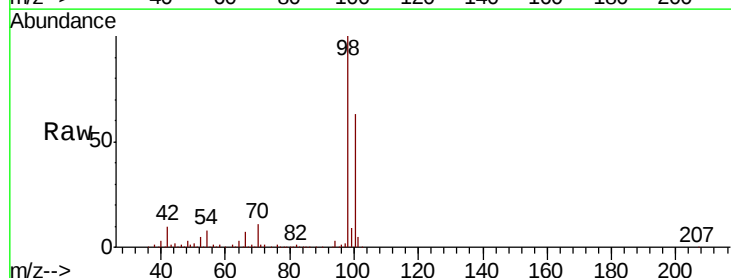
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

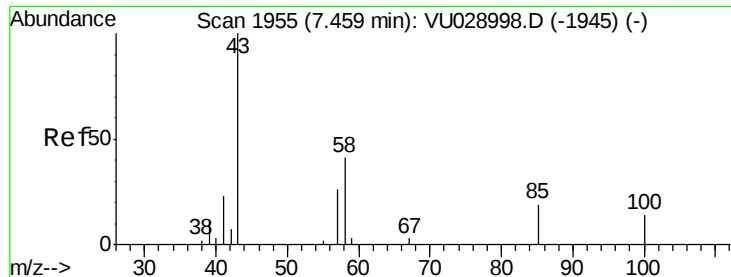
Tgt Ion: 88 Resp: 58154
 Ion Ratio Lower Upper
 88 100
 43 31.5 23.0 34.4
 58 73.4 57.9 86.9



#50
 Toluene-d8
 Concen: 49.638 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 98 Resp: 358077
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 282.070 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

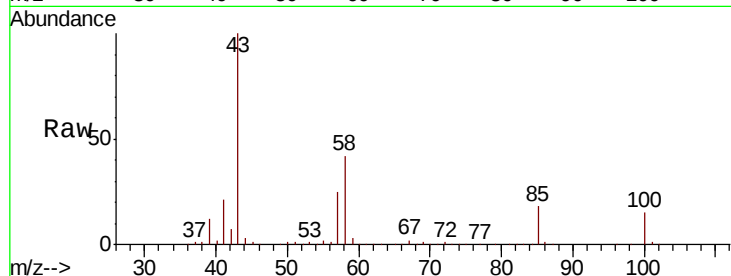
VSTDCCC050EC

Tgt Ion: 43 Resp: 910724

Ion Ratio Lower Upper

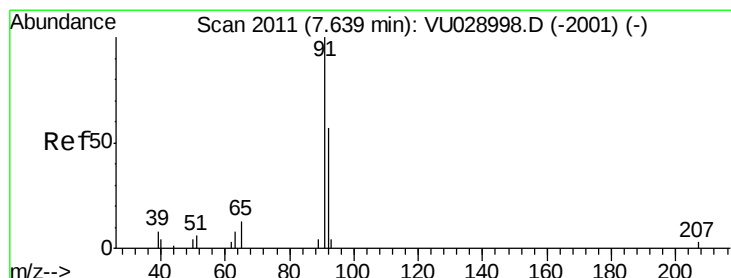
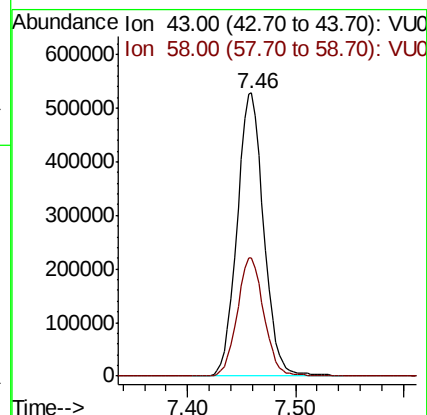
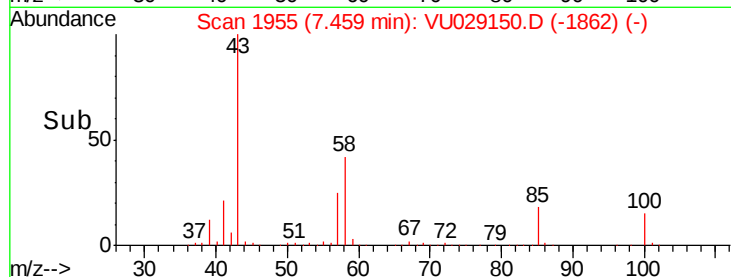
43 100

58 41.9 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU029150.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU029150.D (-1862) (-)



#52

Toluene

Concen: 51.200 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029150.D

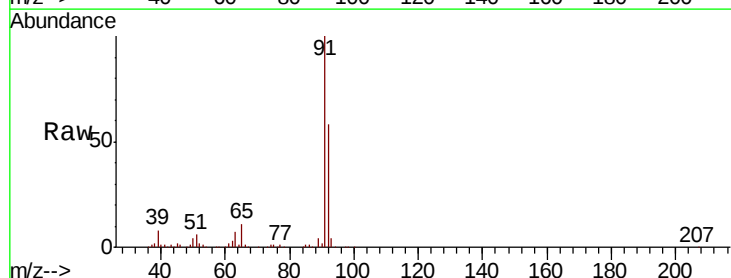
Acq: 11 Jan 2019 18:42

Tgt Ion: 92 Resp: 273935

Ion Ratio Lower Upper

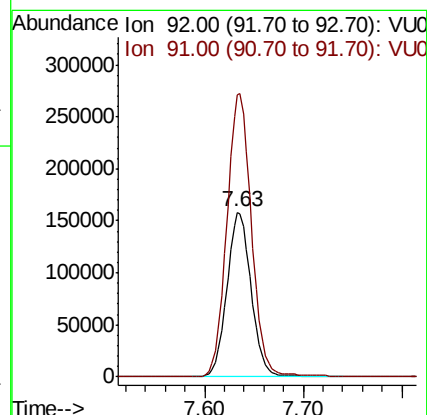
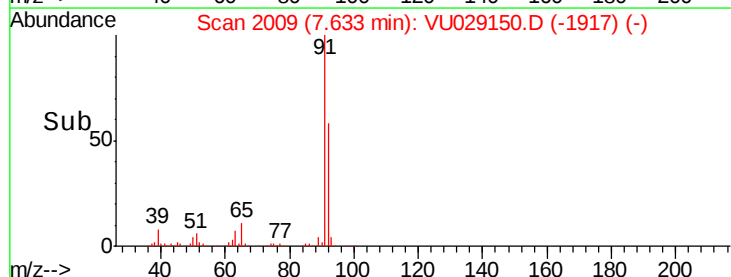
92 100

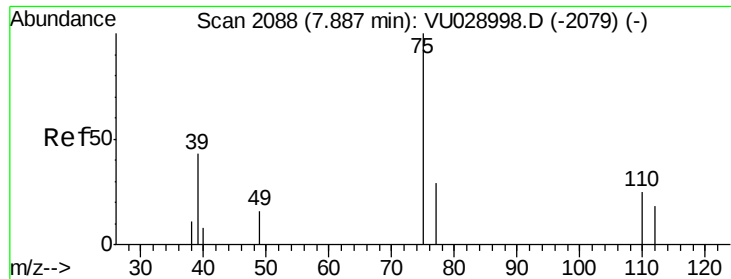
91 174.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU029150.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU029150.D (-1917) (-)

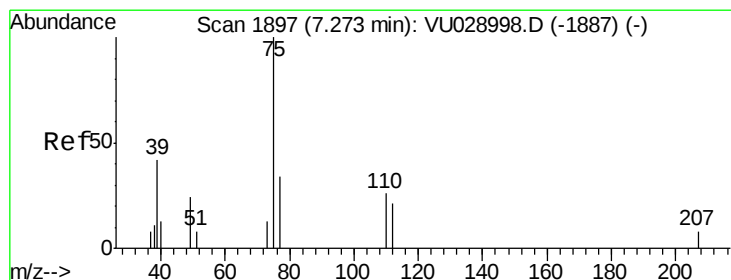
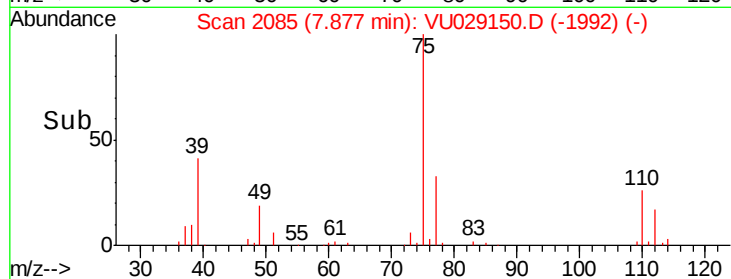
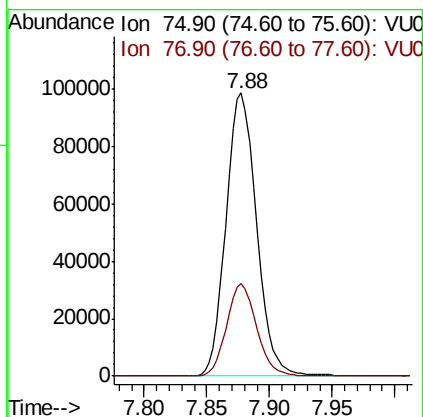
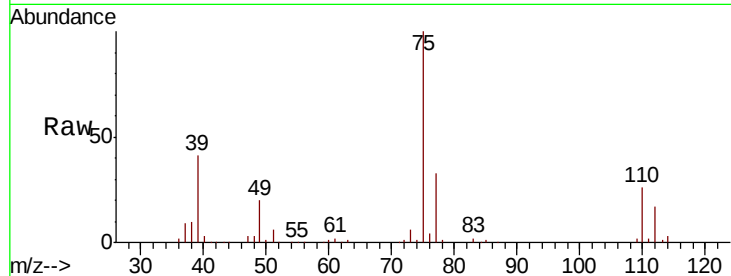




#53
t-1,3-Dichloropropene
Concen: 50.891 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

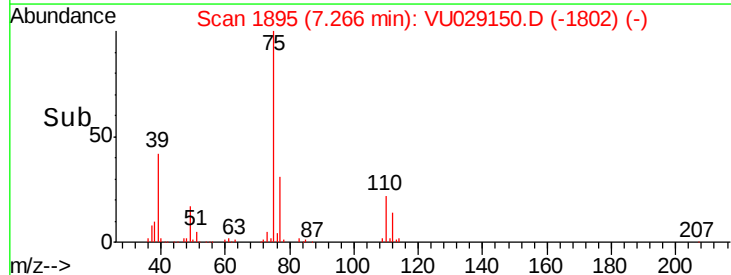
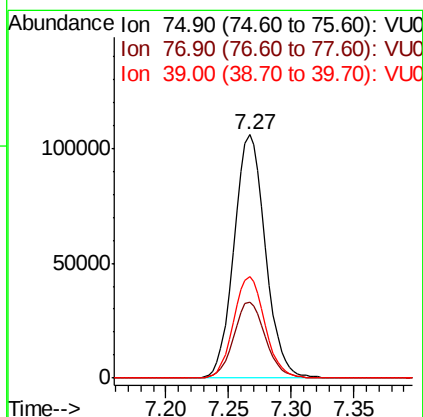
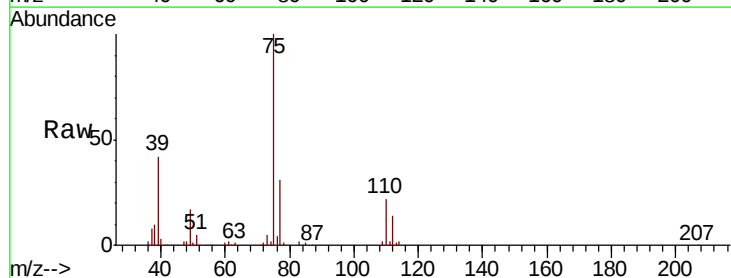
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

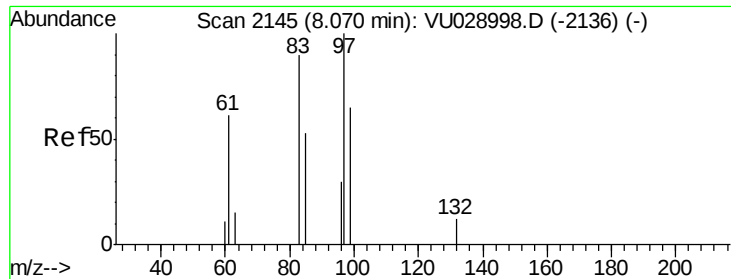
Tgt Ion: 75 Resp: 166999
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 52.031 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 75 Resp: 184494
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 41.6 32.2 48.4

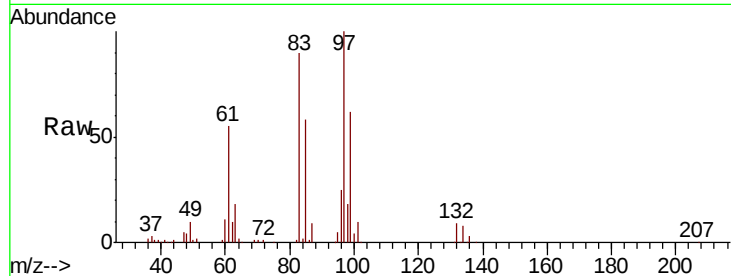




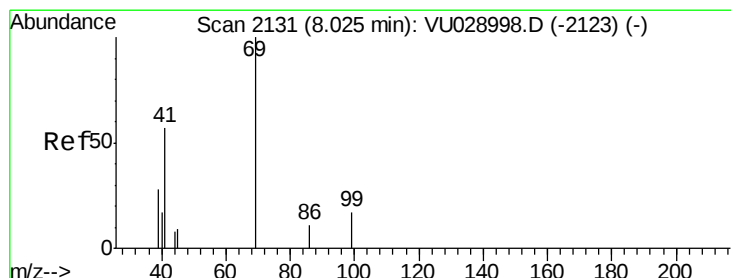
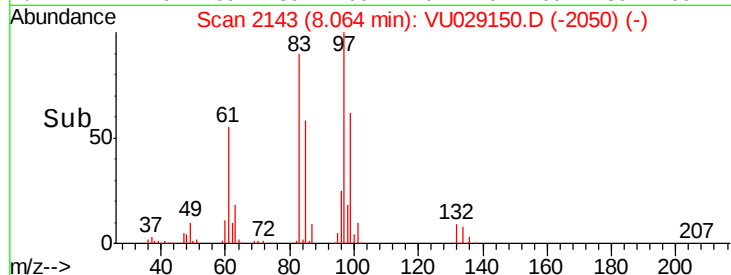
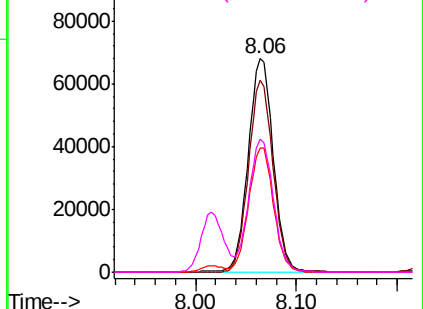
#55
 1,1,2-Trichloroethane
 Concen: 54.214 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 116204
 Ion Ratio Lower Upper
 97 100
 83 90.1 69.8 104.8
 85 57.9 47.3 70.9
 99 61.9 49.7 74.5

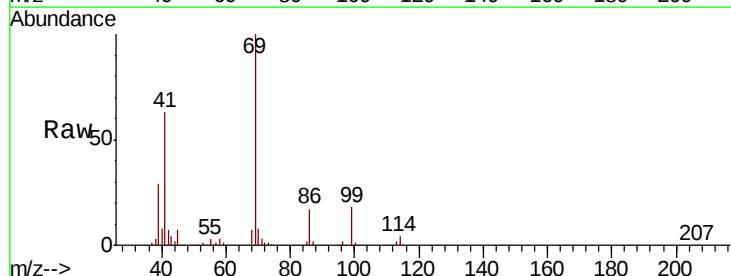


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

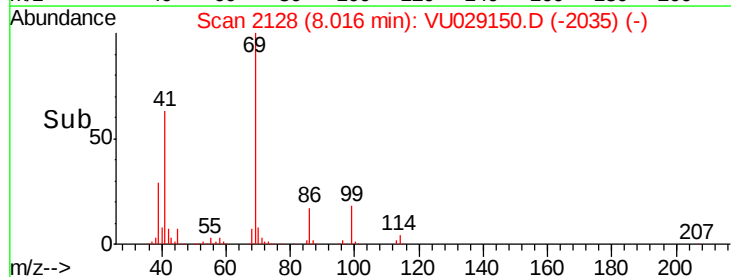
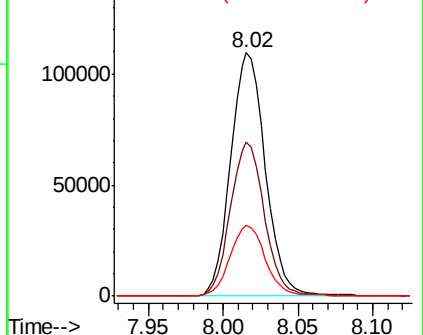


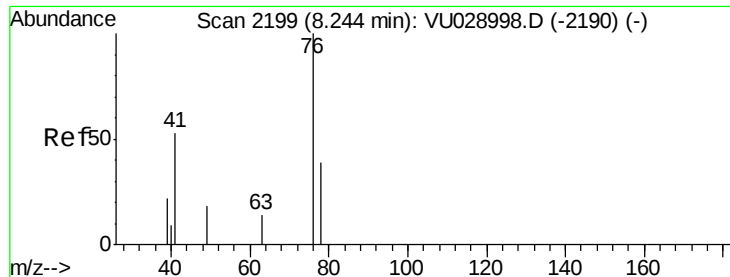
#56
 Ethyl methacrylate
 Concen: 53.508 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 69 Resp: 176692
 Ion Ratio Lower Upper
 69 100
 41 62.4 47.5 71.3
 39 29.2 22.5 33.7



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

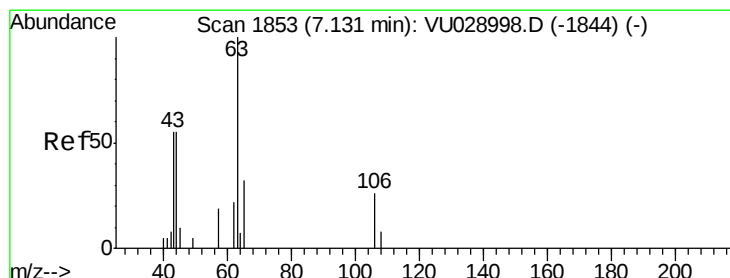
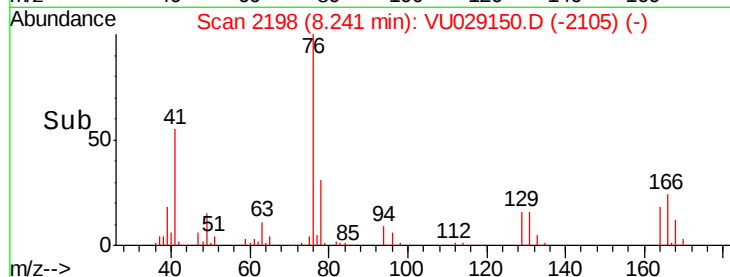
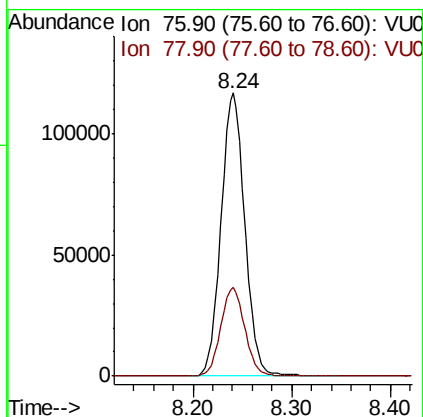
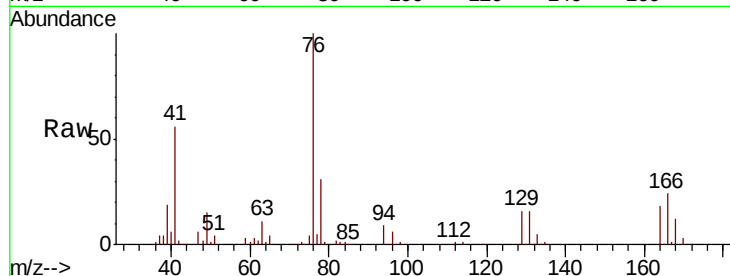




#57
 1,3-Dichloropropane
 Concen: 53.914 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

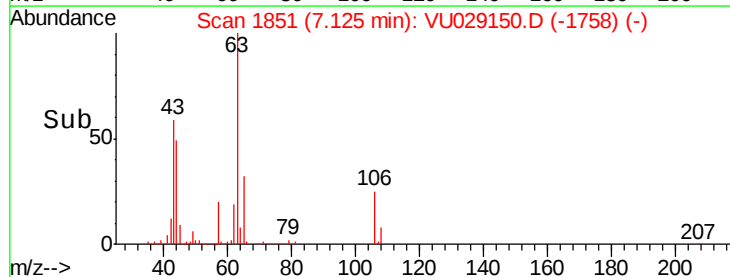
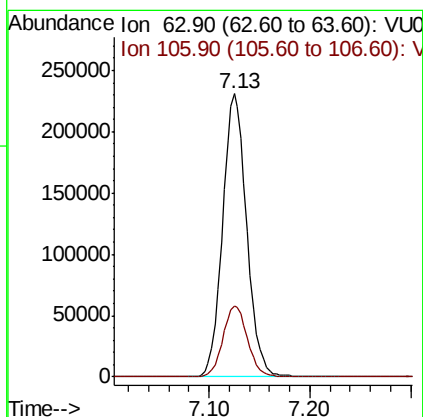
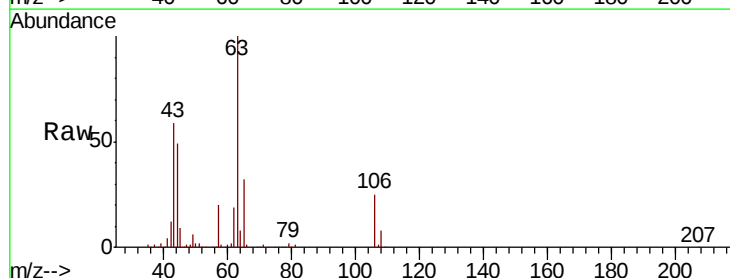
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

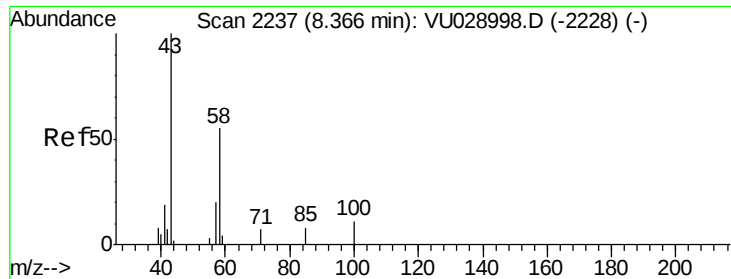
Tgt Ion: 76 Resp: 197738
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.910 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 63 Resp: 384712
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 31.0

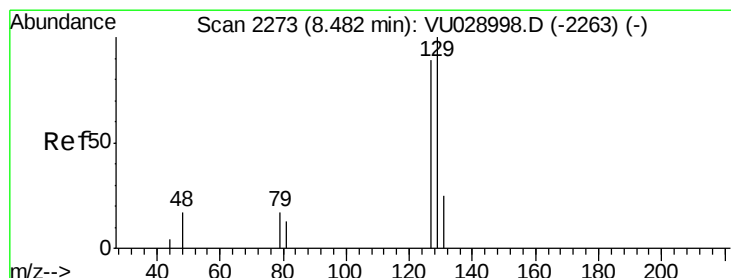
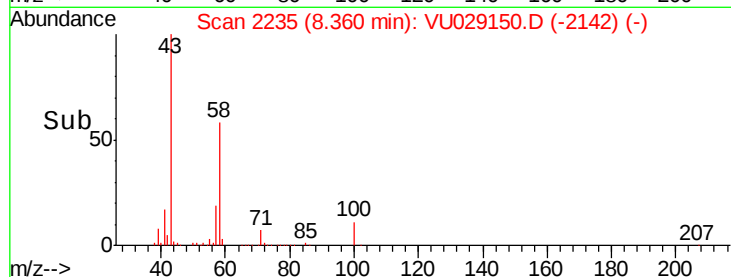
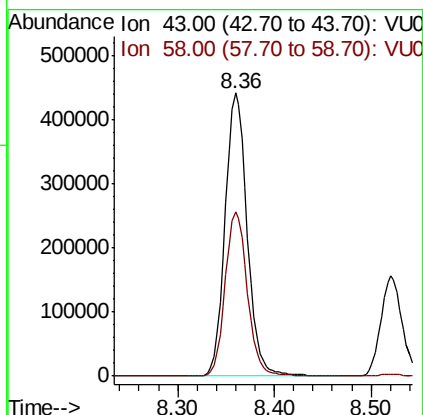
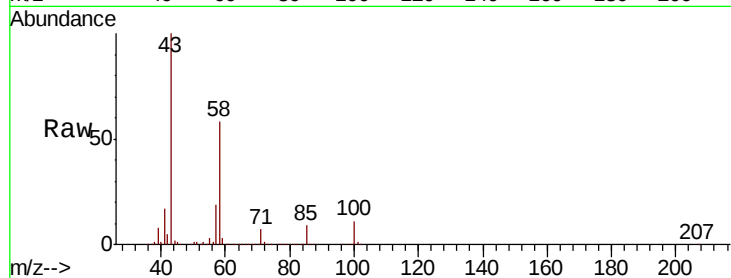




#59
2-Hexanone
Concen: 276.785 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

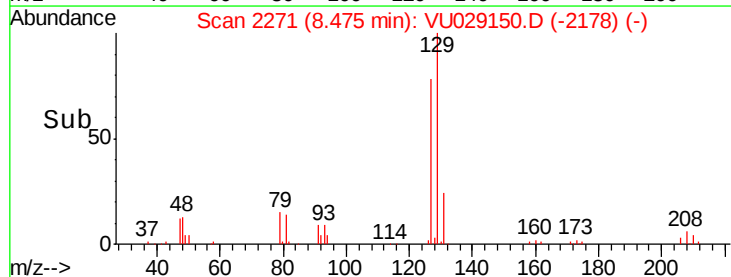
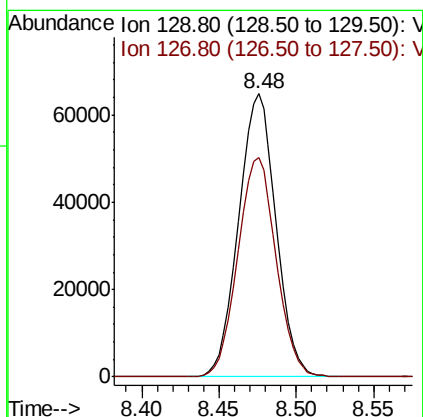
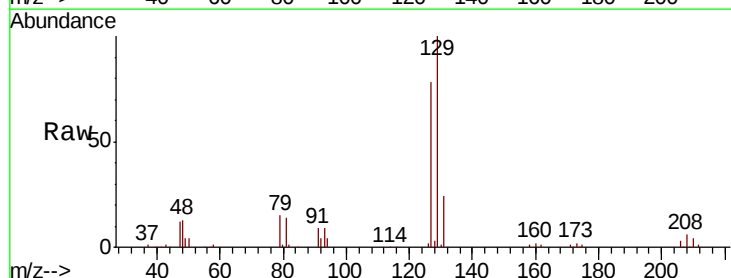
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

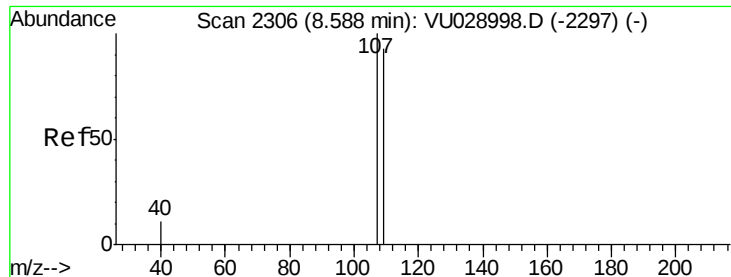
Tgt Ion: 43 Resp: 701491
Ion Ratio Lower Upper
43 100
58 58.7 29.8 89.4



#60
Dibromochloromethane
Concen: 51.376 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 129 Resp: 109097
Ion Ratio Lower Upper
129 100
127 79.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 52.150 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

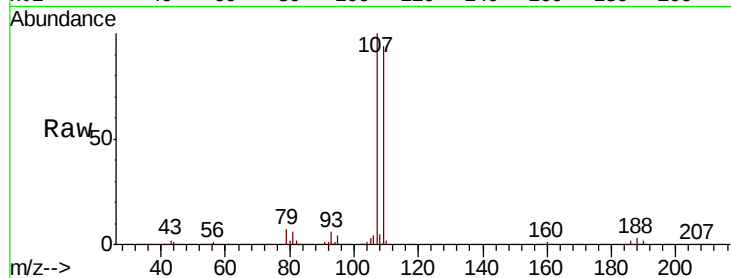
VSTDCCC050EC

Tgt Ion: 107 Resp: 121231

Ion Ratio Lower Upper

107 100

109 95.7 75.5 113.3

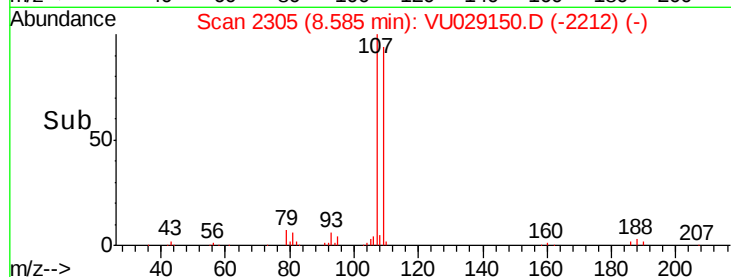


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

Time-->



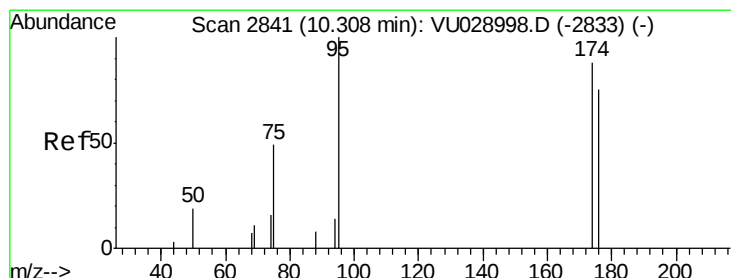
Abundance

Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

Time-->



#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

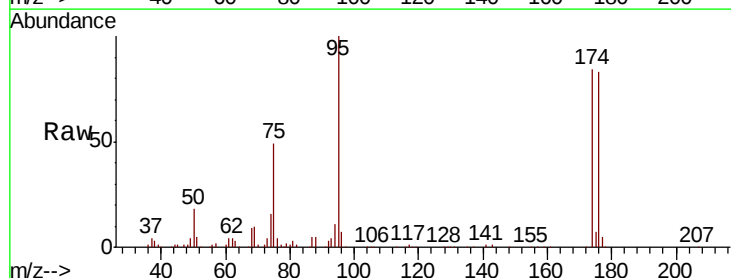
Tgt Ion: 95 Resp: 126460

Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.6

176 84.6 0.0 165.0



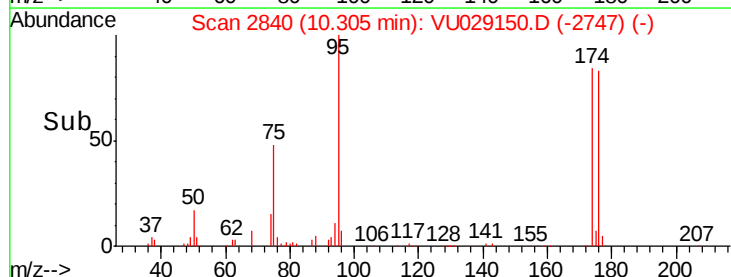
Abundance Ion 94.90 (94.60 to 95.60): VU0

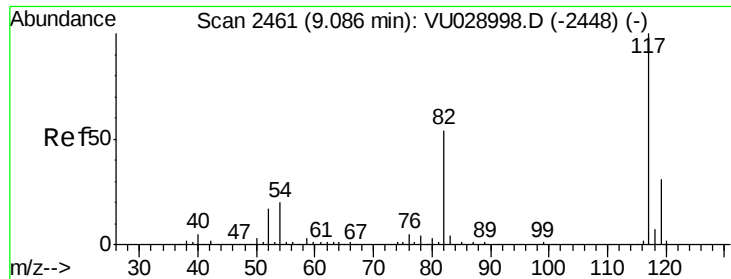
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

Time-->

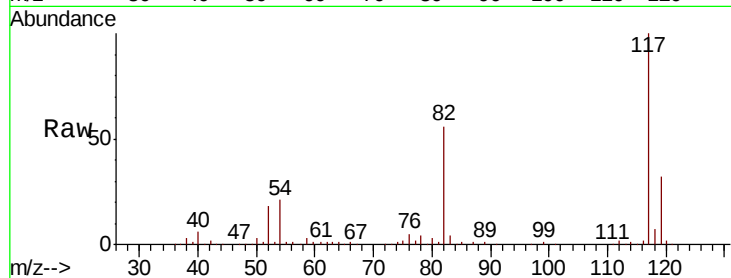




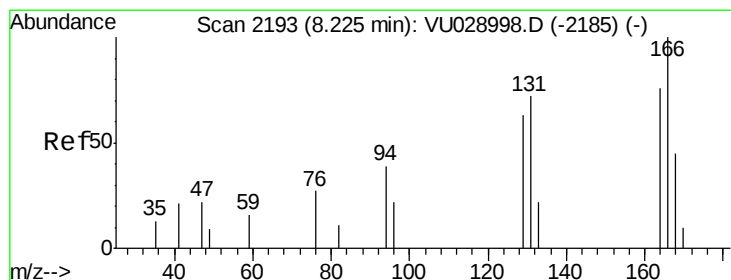
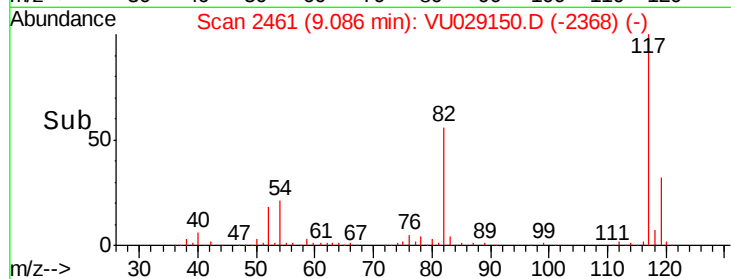
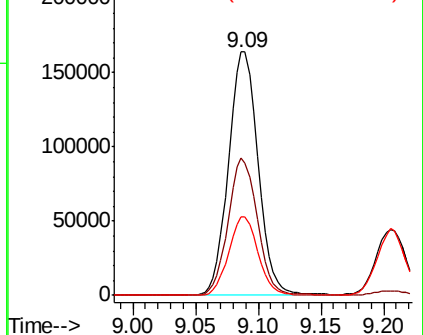
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 270450
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 32.5 26.0 39.0

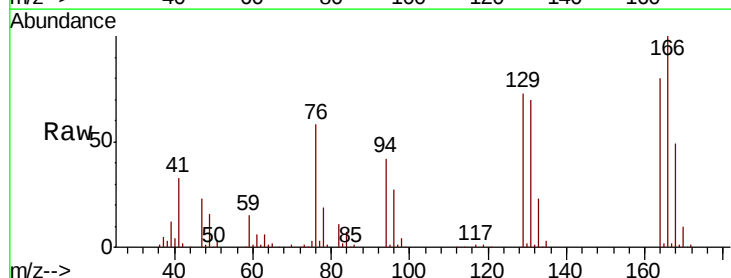


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU029150.D (-2368) (-)
Ion 118.90 (118.60 to 119.60): V

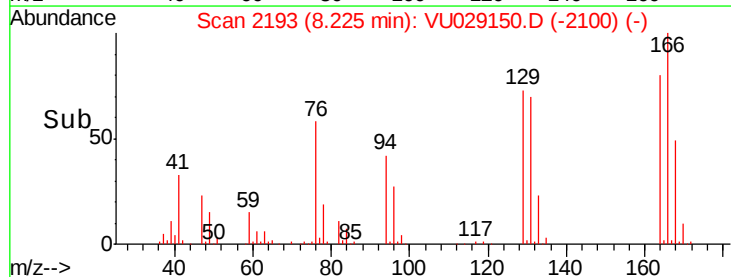
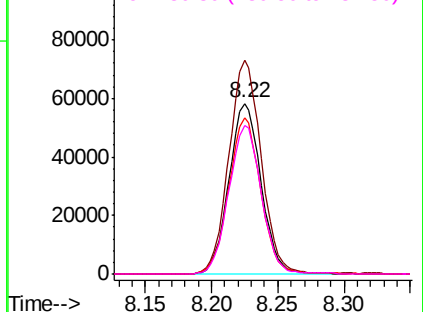


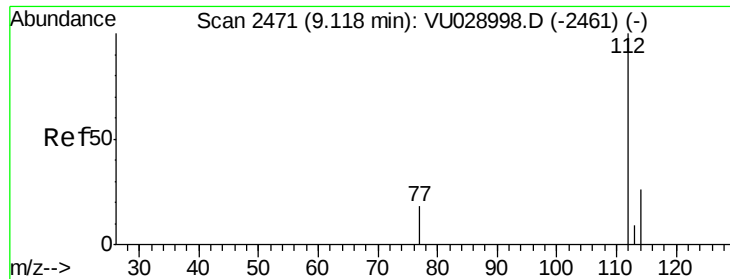
#64
Tetrachloroethene
Concen: 50.412 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion:164 Resp: 98212
Ion Ratio Lower Upper
164 100
166 125.3 99.4 149.0
129 91.6 70.5 105.7
131 87.5 69.0 103.6



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

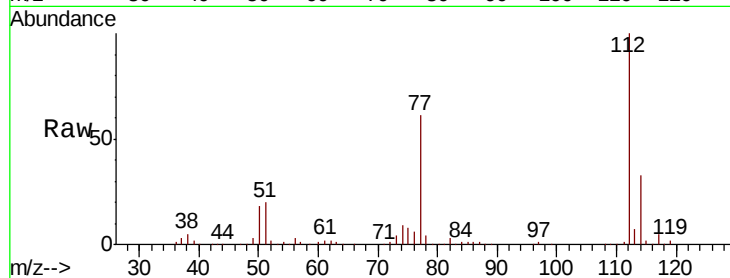




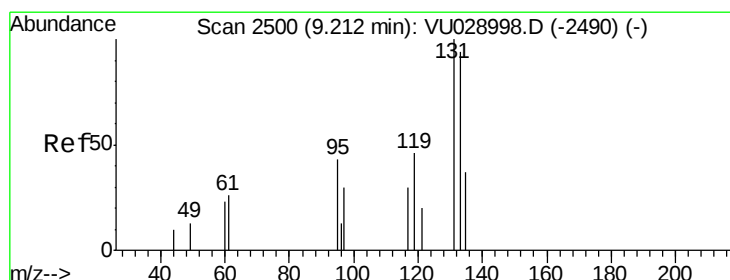
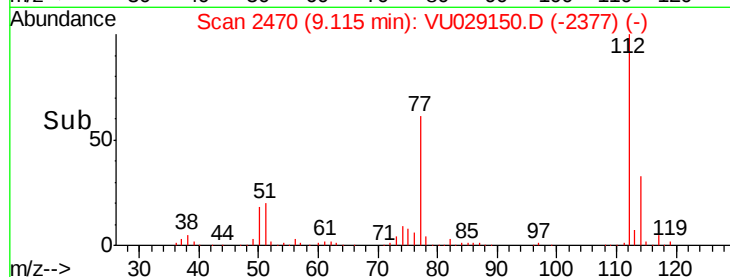
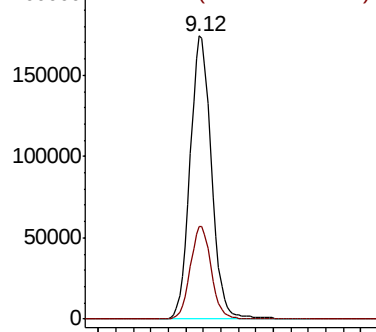
#65
Chlorobenzene
Concen: 48.779 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 295711
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6

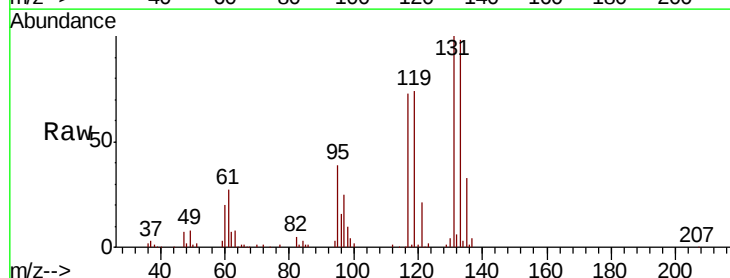


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

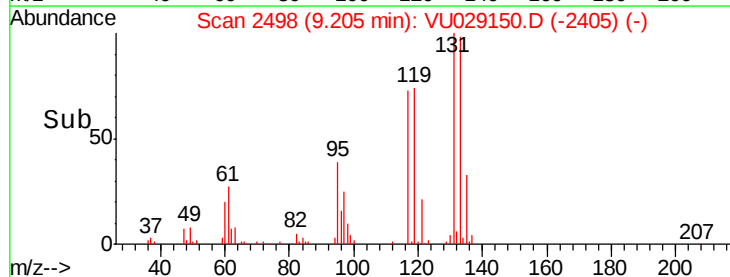
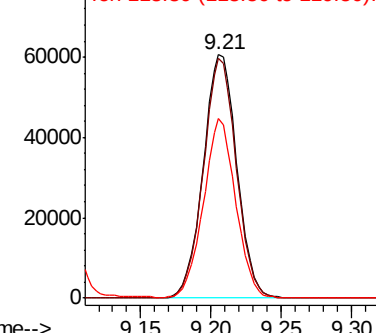


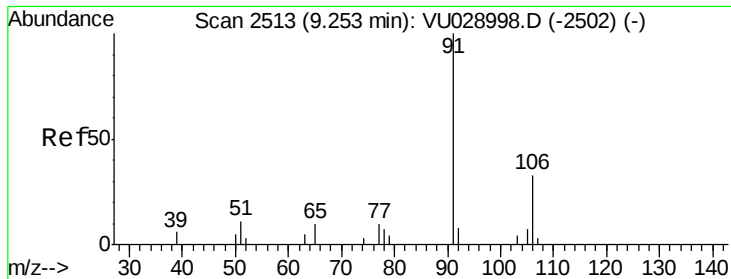
#66
1,1,1,2-Tetrachloroethane
Concen: 51.463 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion:131 Resp: 101244
Ion Ratio Lower Upper
131 100
133 96.4 48.2 144.6
119 70.7 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

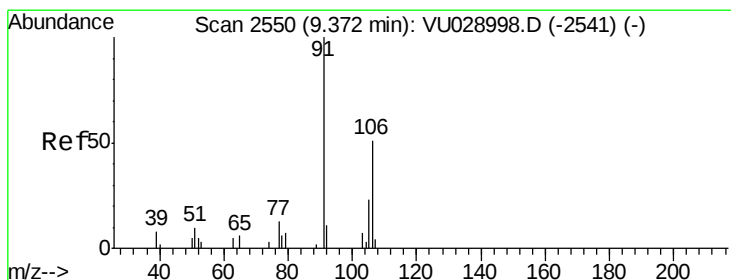
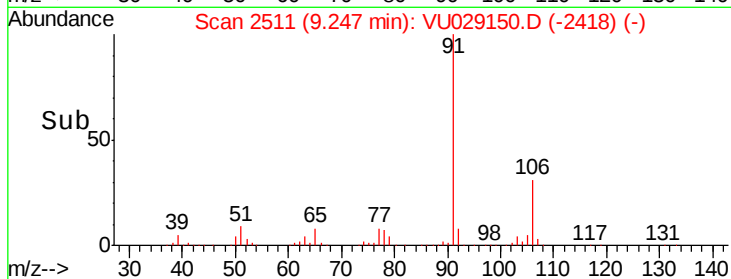
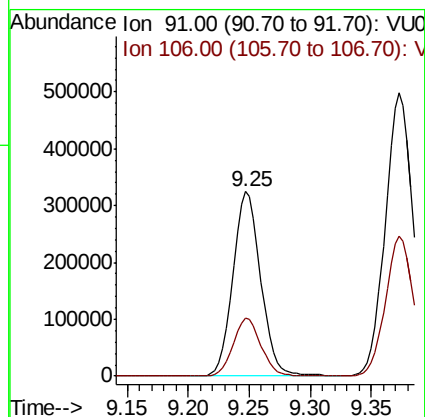
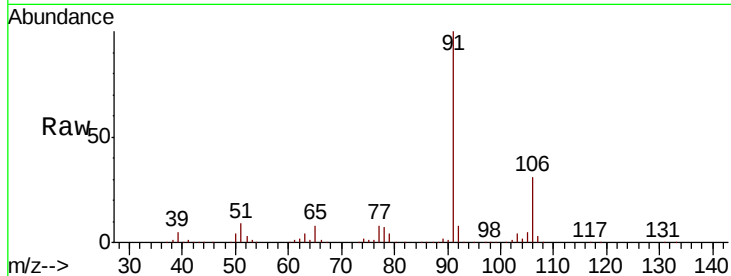




#67
Ethyl Benzene
Concen: 51.076 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

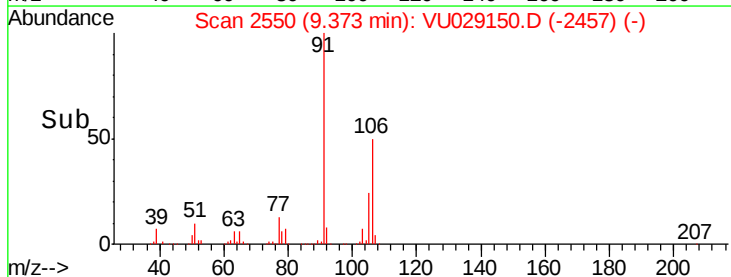
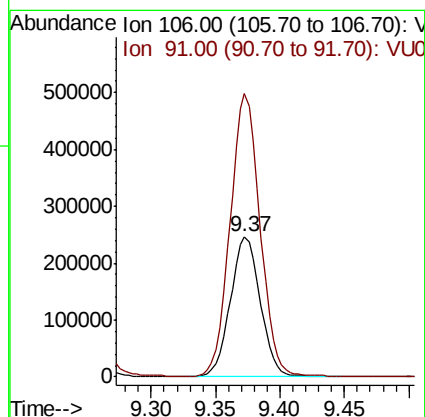
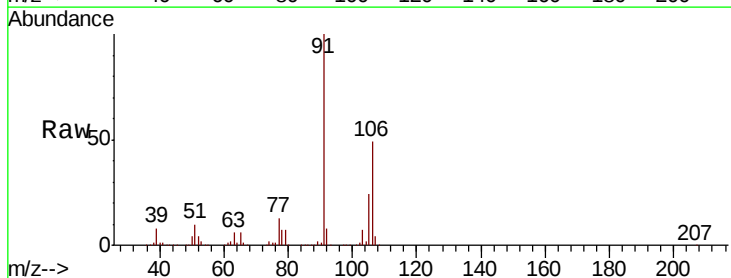
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

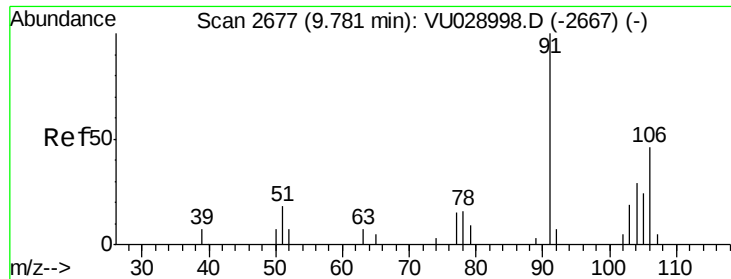
Tgt Ion: 91 Resp: 516957
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 100.567 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 106 Resp: 395489
Ion Ratio Lower Upper
106 100
91 203.7 161.7 242.5

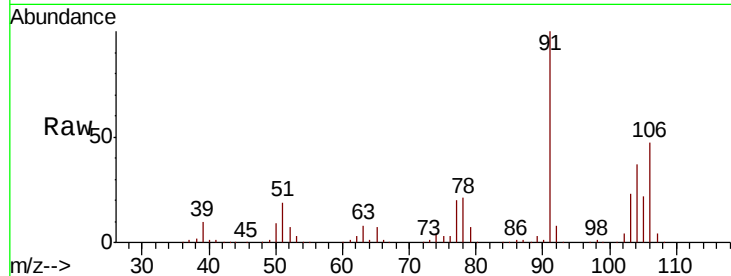




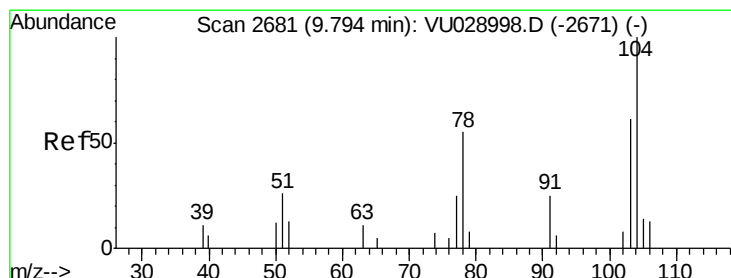
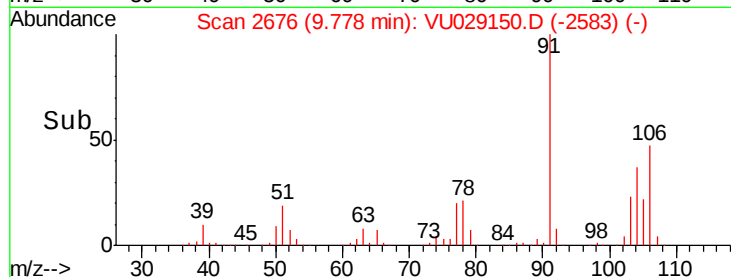
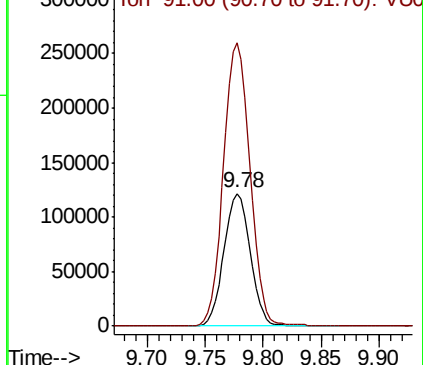
#69
o-Xylene
Concen: 50.574 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 191637
Ion Ratio Lower Upper
106 100
91 214.4 106.1 318.3

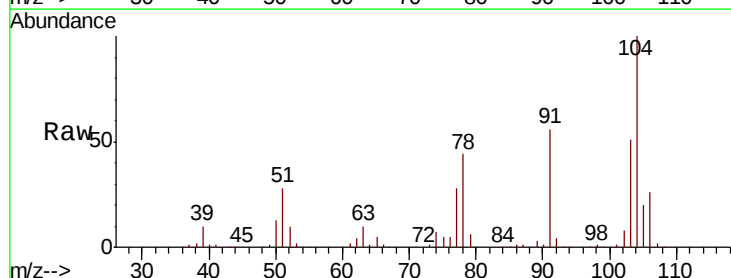


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

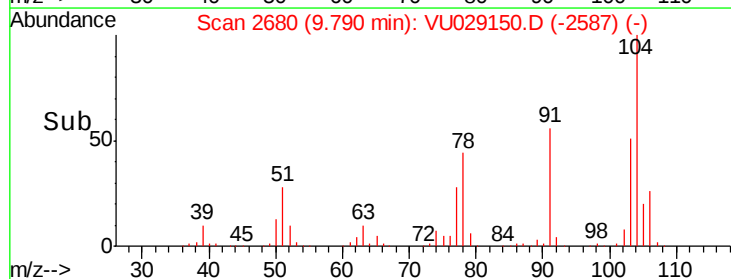
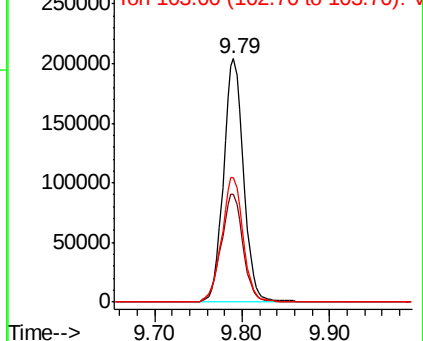


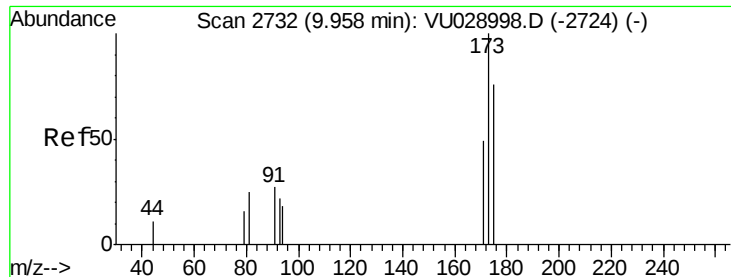
#70
Styrene
Concen: 52.263 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion:104 Resp: 324648
Ion Ratio Lower Upper
104 100
78 48.4 38.6 58.0
103 54.6 44.5 66.7



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





#71

Bromoform

Concen: 50.844 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

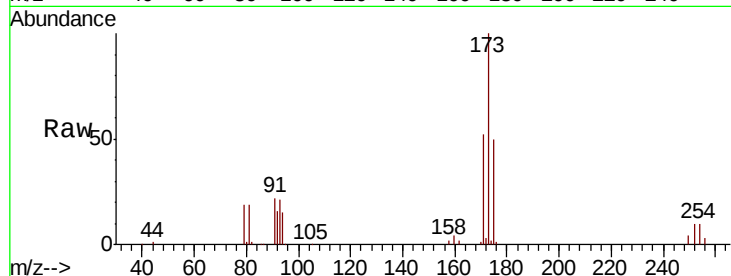
Tgt Ion:173 Resp: 89065

Ion Ratio Lower Upper

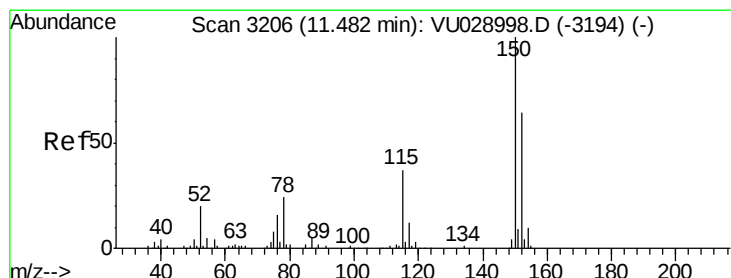
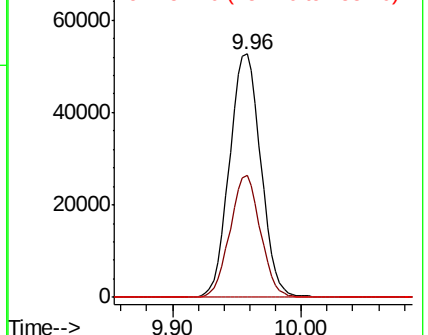
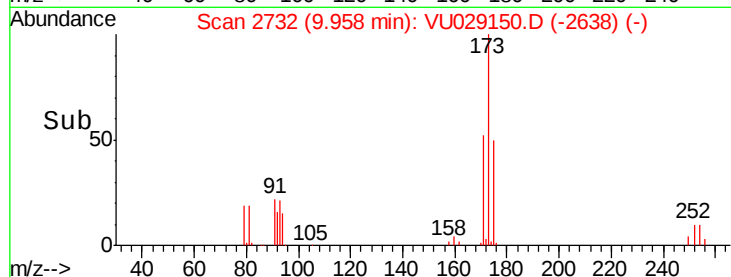
173 100

175 48.5 23.8 71.2

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: VU029150.D

Acq: 11 Jan 2019 18:42

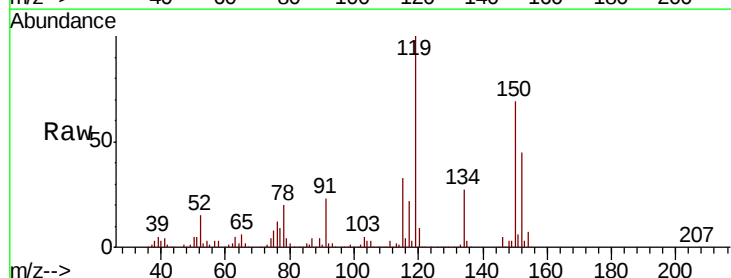
Tgt Ion:152 Resp: 137275

Ion Ratio Lower Upper

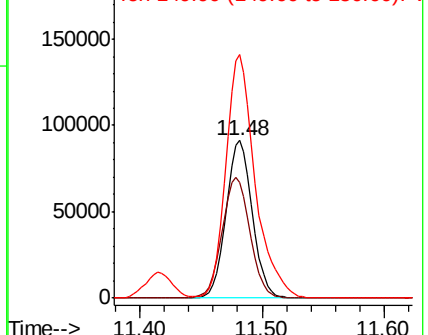
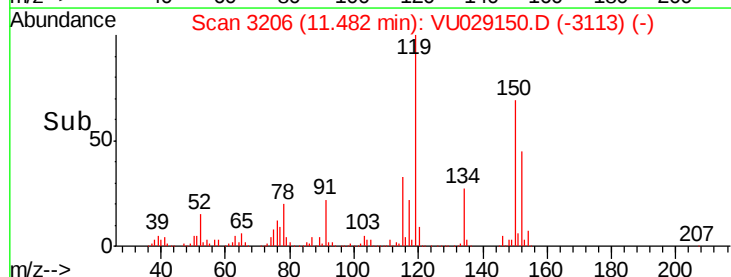
152 100

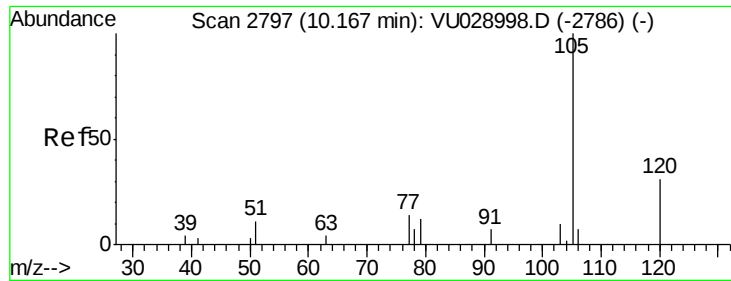
115 81.9 40.1 120.3

150 172.8 0.0 345.2



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: 50.127 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

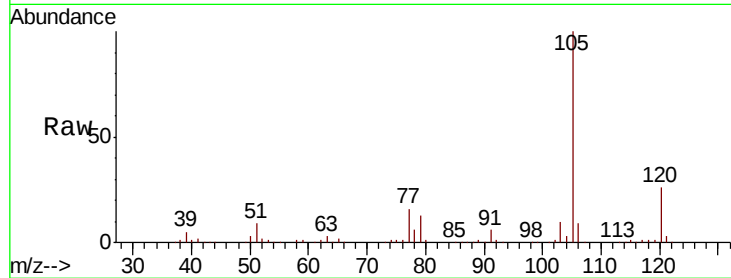
VSTDCCC050EC

Tgt Ion: 105 Resp: 509332

Ion Ratio Lower Upper

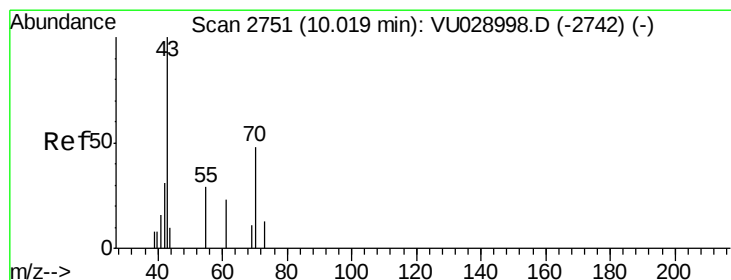
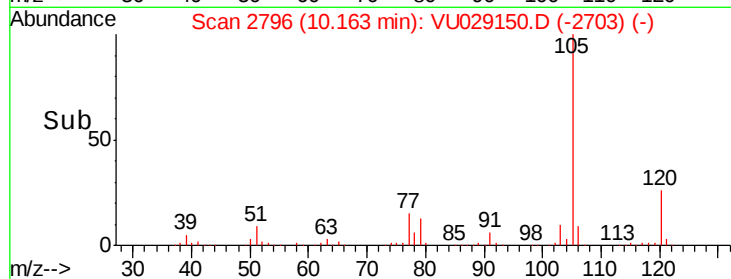
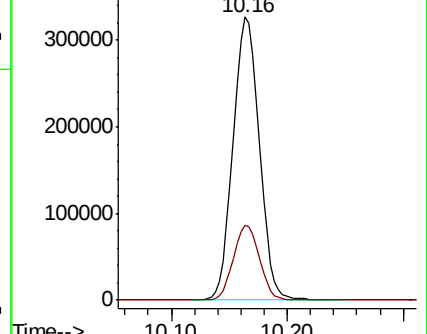
105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.318 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion: 43 Resp: 229071

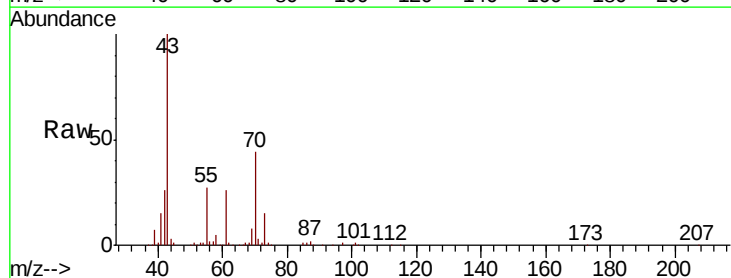
Ion Ratio Lower Upper

43 100

70 44.2 36.3 54.5

55 26.3 20.5 30.7

61 26.2 21.8 32.8

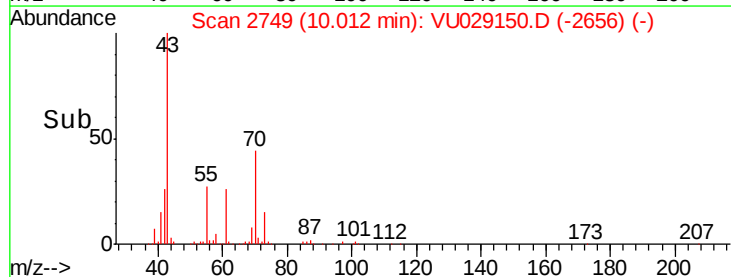
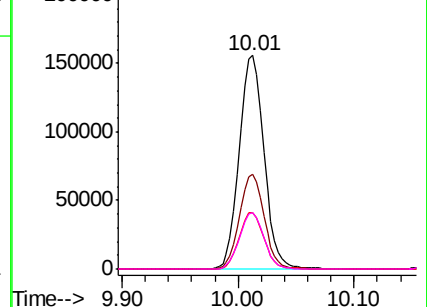


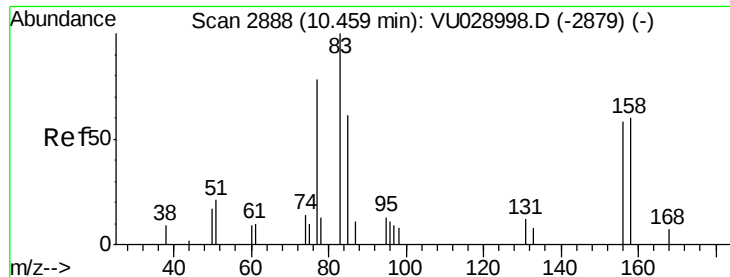
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.820 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

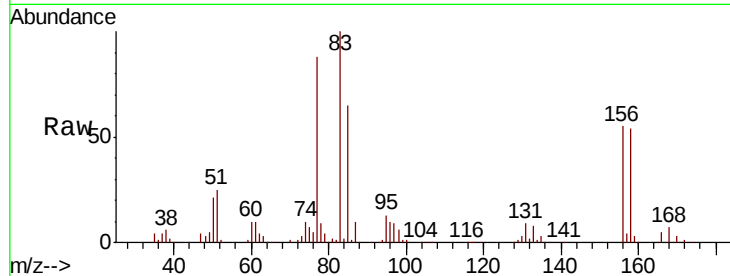
Tgt Ion: 83 Resp: 202880

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

85 64.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

150000

100000

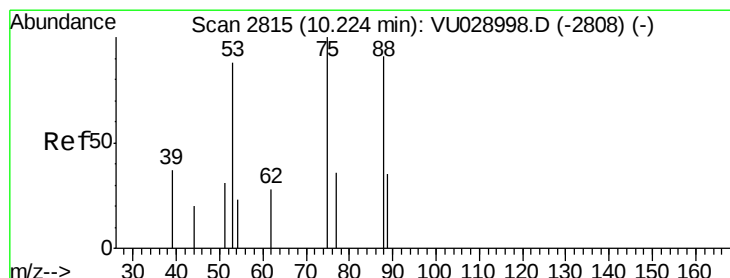
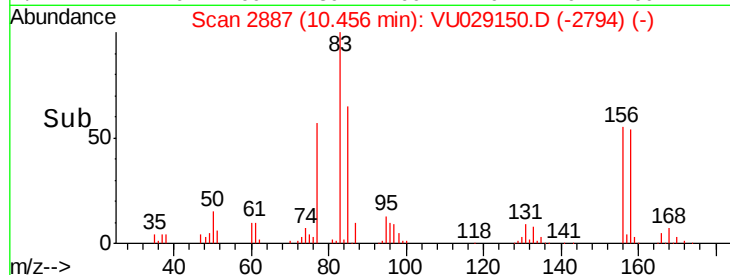
50000

0

10.46

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.836 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029150.D

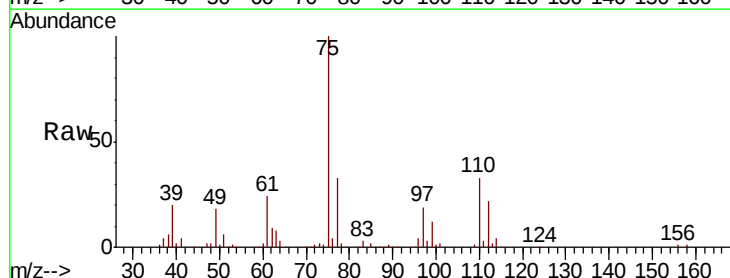
Acq: 11 Jan 2019 18:42

Tgt Ion: 75 Resp: 231527

Ion Ratio Lower Upper

75 100

77 30.4 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

150000

100000

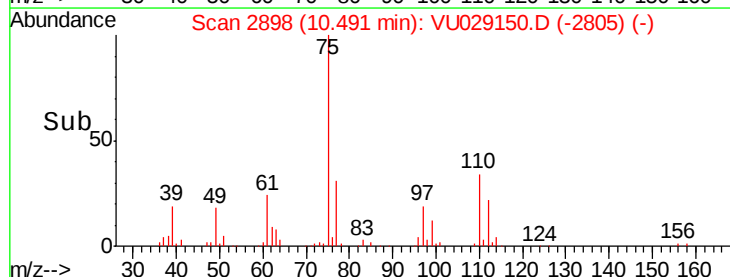
50000

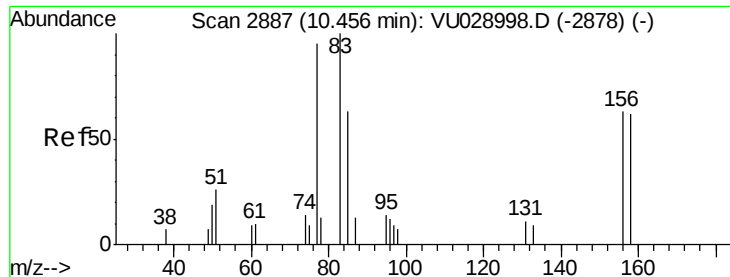
0

10.49

10.45 10.55

Time-->





#77

Bromobenzene

Concen: 48.561 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

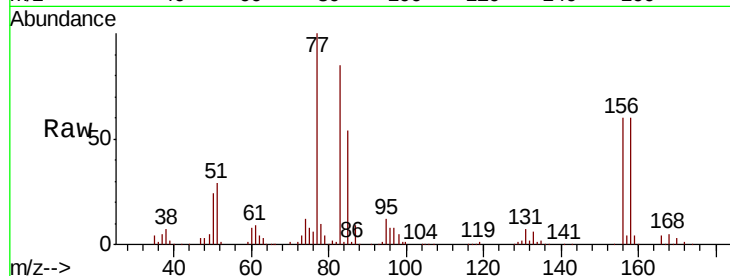
Tgt Ion:156 Resp: 128584

Ion Ratio Lower Upper

156 100

77 162.4 79.0 237.2

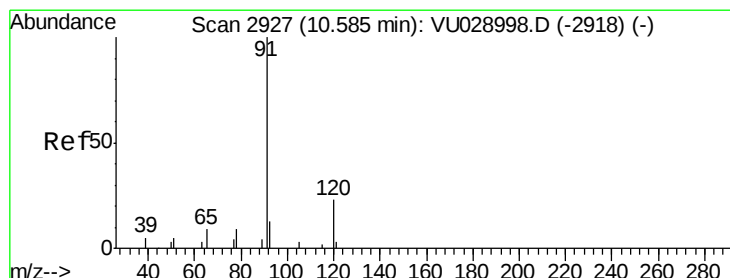
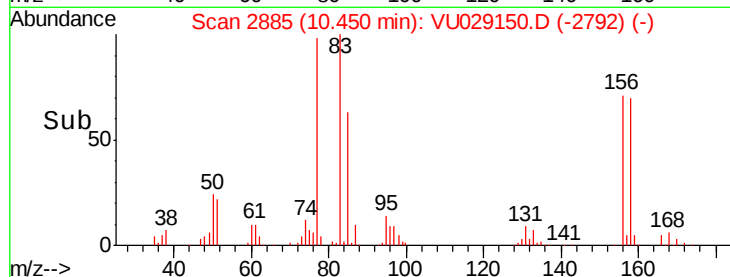
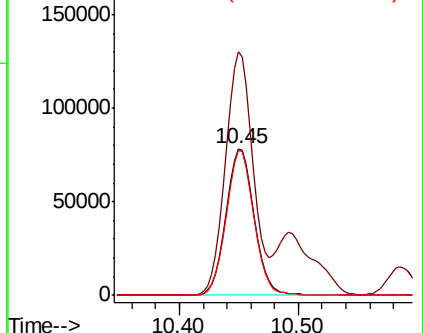
158 97.4 48.9 146.6



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: 50.971 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029150.D

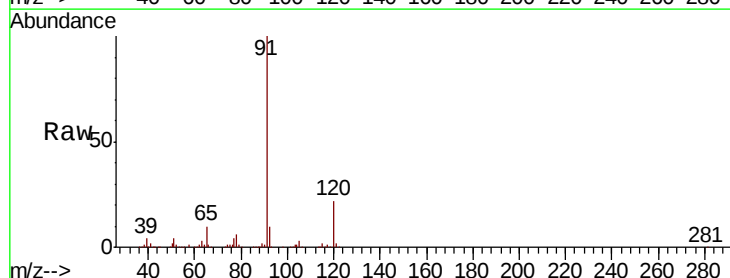
Acq: 11 Jan 2019 18:42

Tgt Ion: 91 Resp: 610335

Ion Ratio Lower Upper

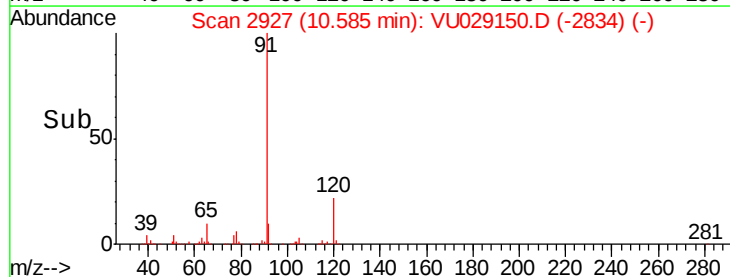
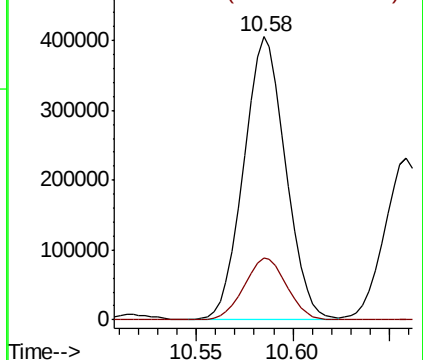
91 100

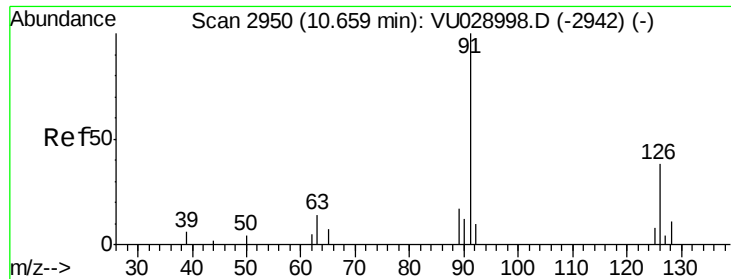
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

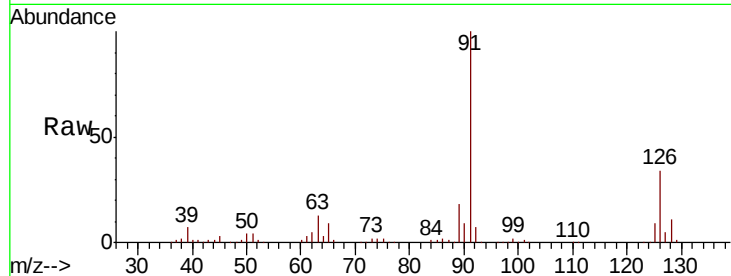




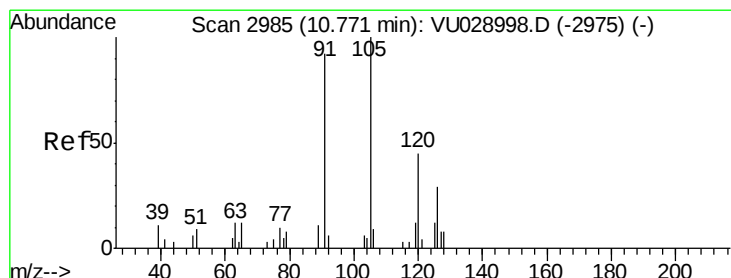
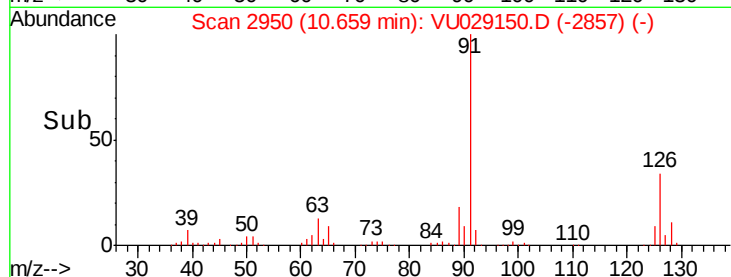
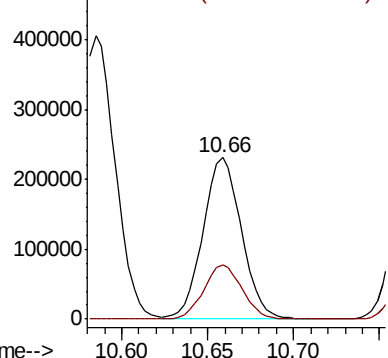
#79
 2-Chlorotoluene
 Concen: 49.262 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 357824
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.8 50.4

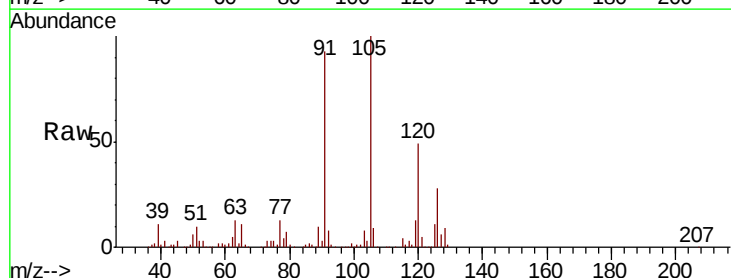


Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)
 Ion 125.90 (125.60 to 126.60): VU028998.D (-2942) (-)

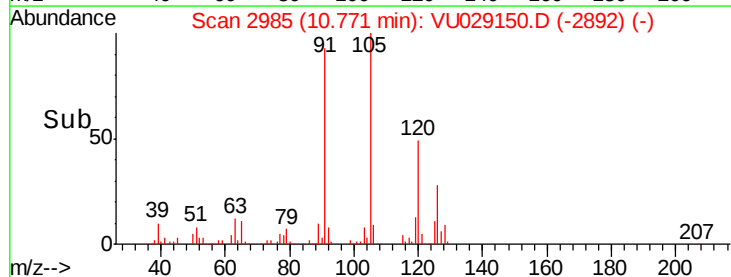
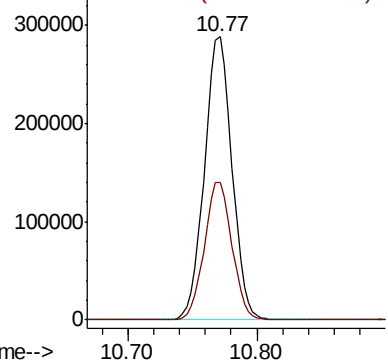


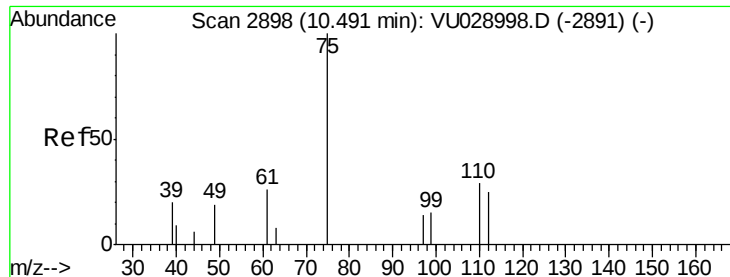
#80
 1,3,5-Trimethylbenzene
 Concen: 50.362 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 105 Resp: 427323
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)
 Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 177.532 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

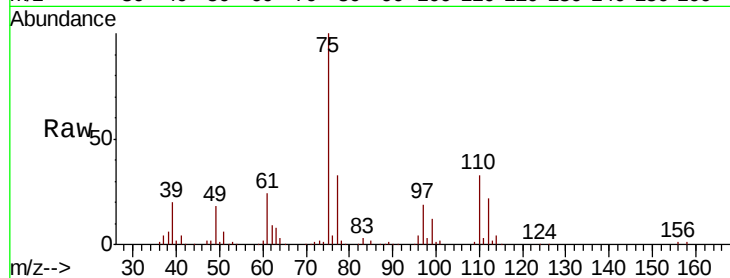
Tgt Ion: 75 Resp: 231527

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

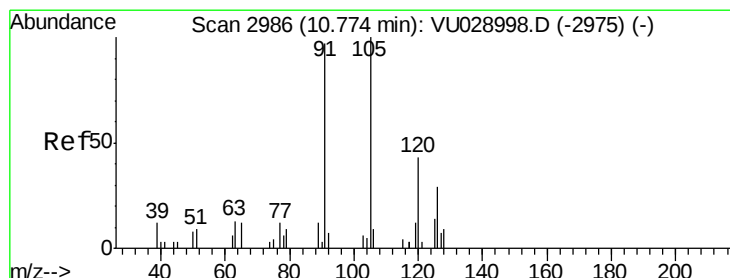
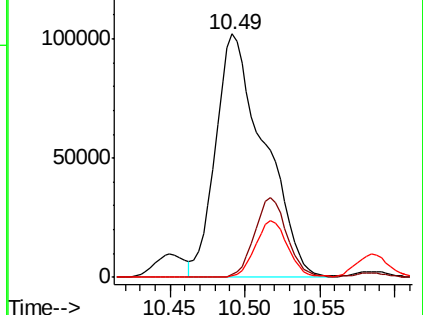
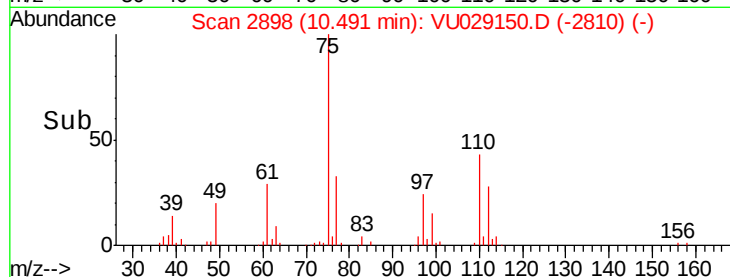
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 49.332 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029150.D

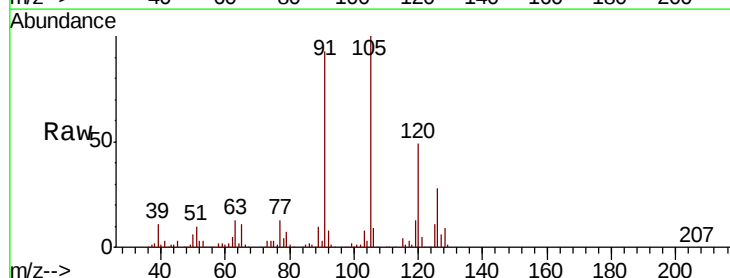
Acq: 11 Jan 2019 18:42

Tgt Ion: 91 Resp: 410893

Ion Ratio Lower Upper

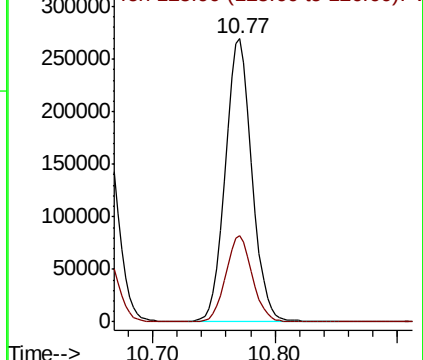
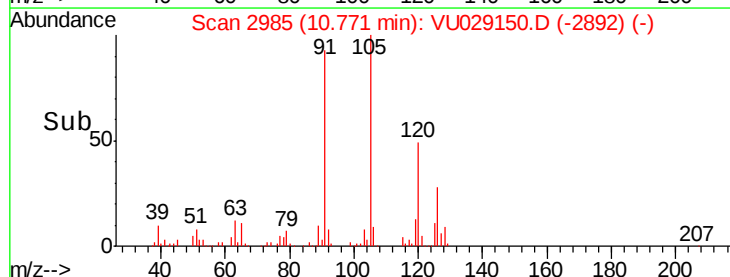
91 100

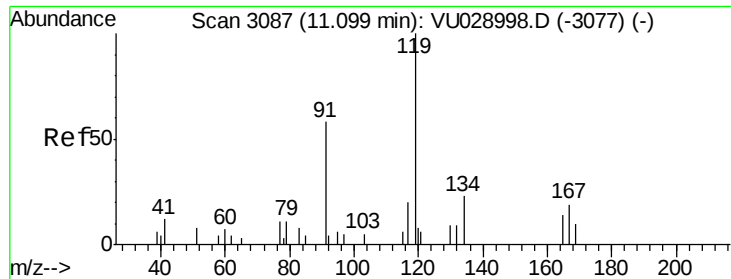
126 30.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

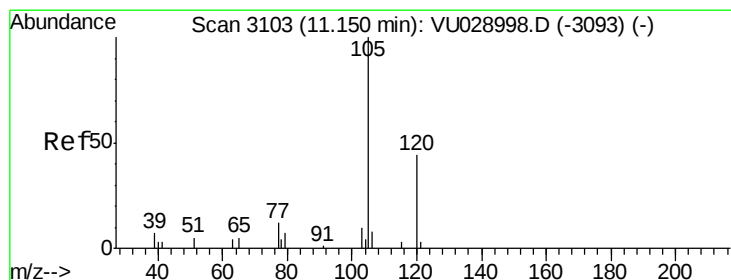
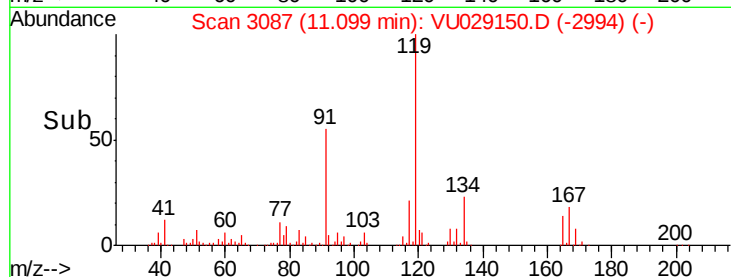
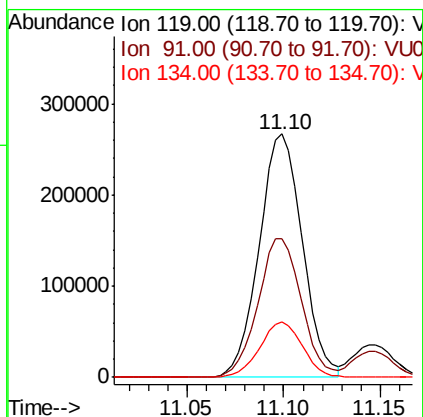
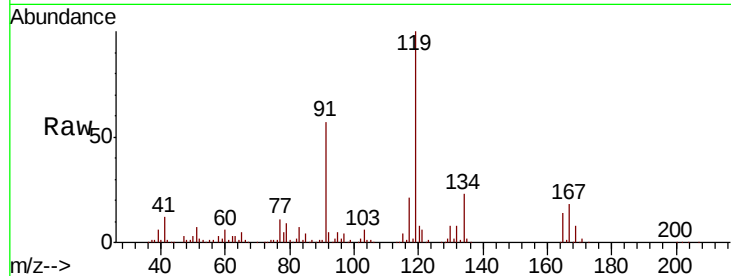




#83
 tert-Butylbenzene
 Concen: 49.517 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

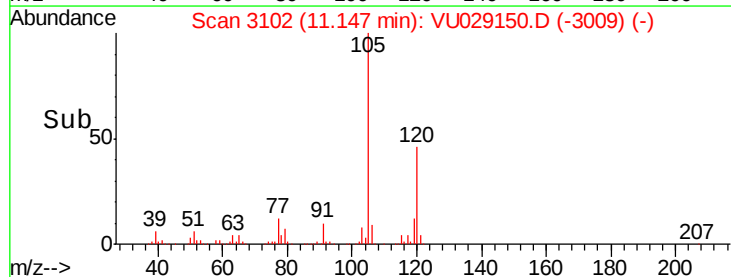
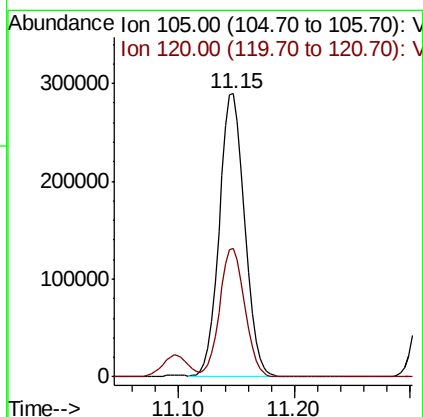
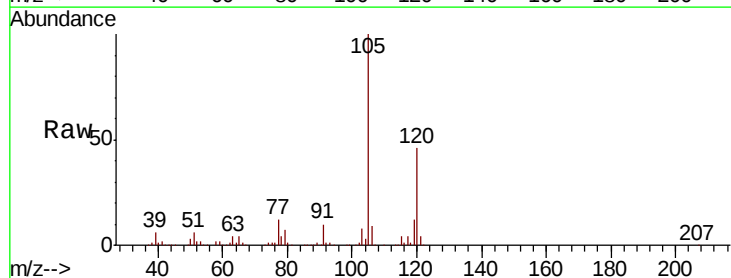
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

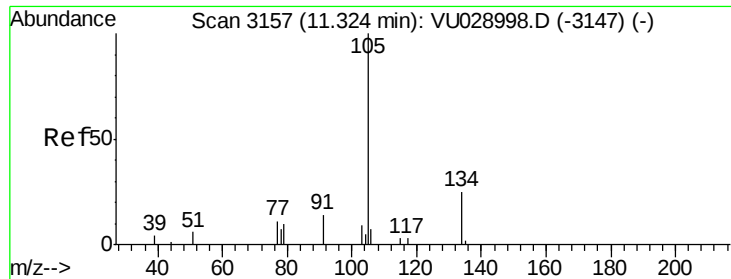
Tgt Ion:119 Resp: 414116
 Ion Ratio Lower Upper
 119 100
 91 57.4 28.2 84.6
 134 22.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.817 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion:105 Resp: 438968
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.3

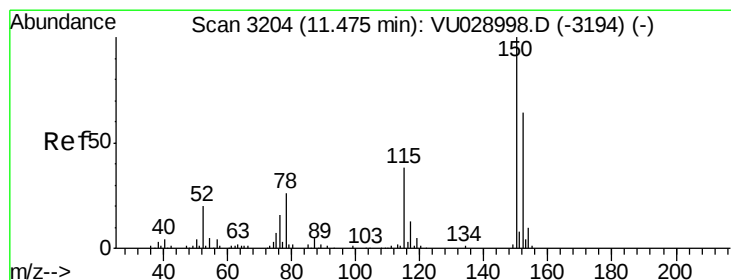
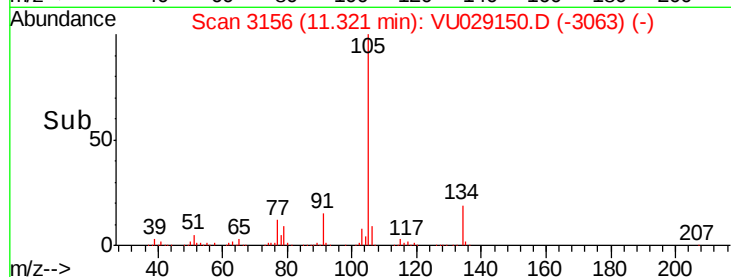
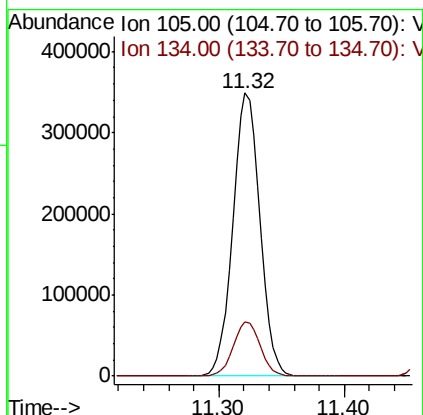
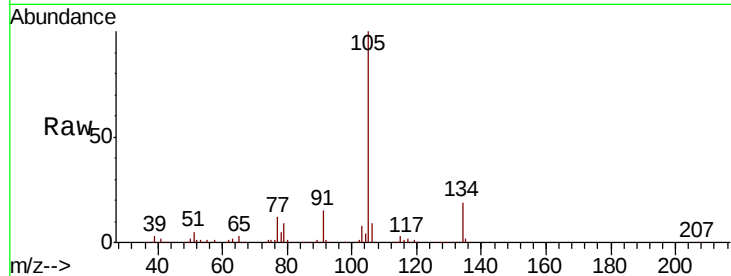




#85
 sec-Butylbenzene
 Concen: 51.629 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

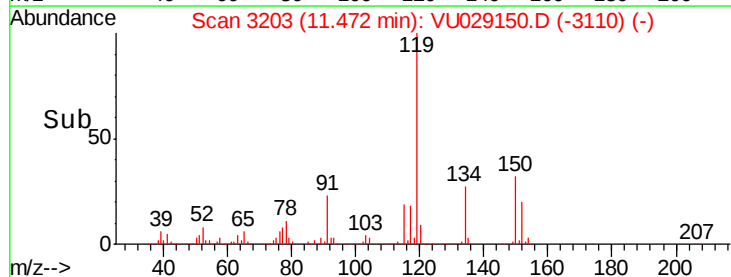
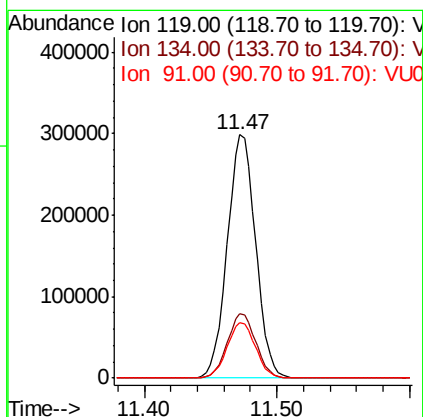
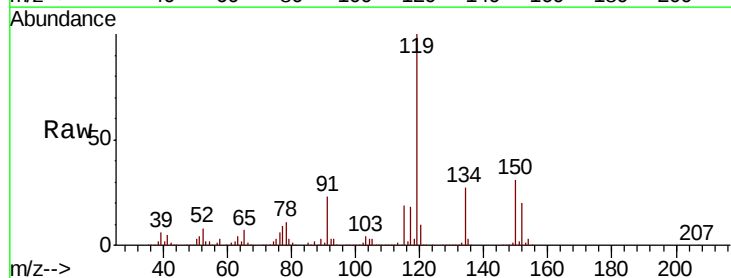
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

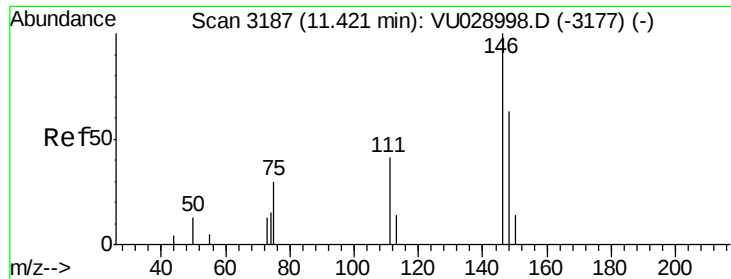
Tgt Ion:105 Resp: 522195
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 51.311 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion:119 Resp: 442226
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 22.9 11.3 33.8

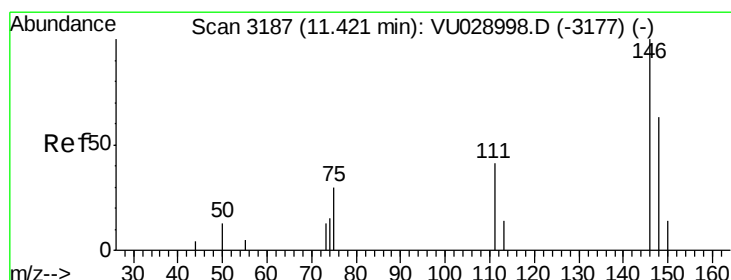
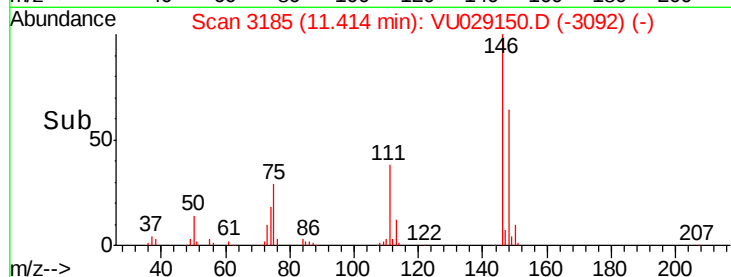
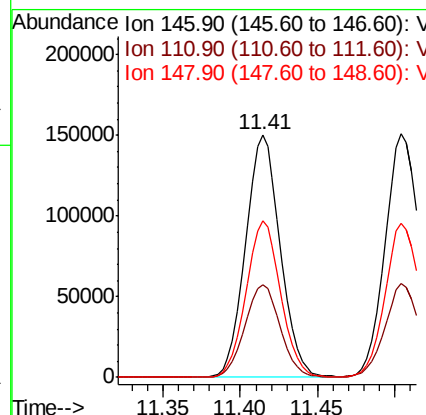
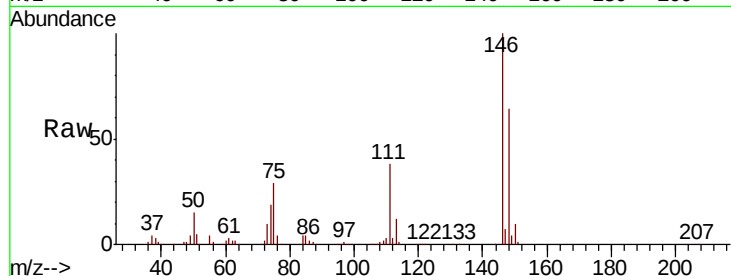




#87
 1,3-Dichlorobenzene
 Concen: 48.198 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

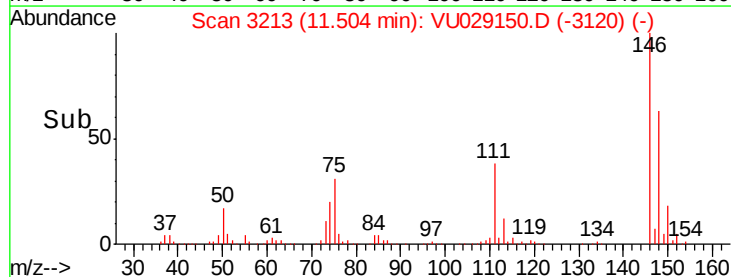
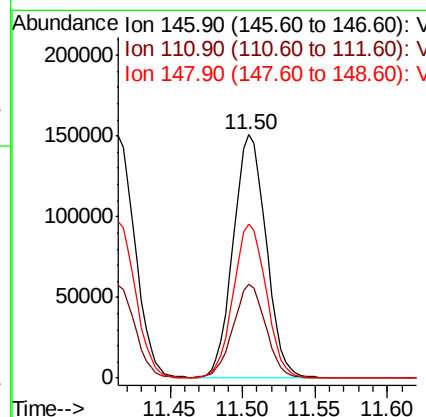
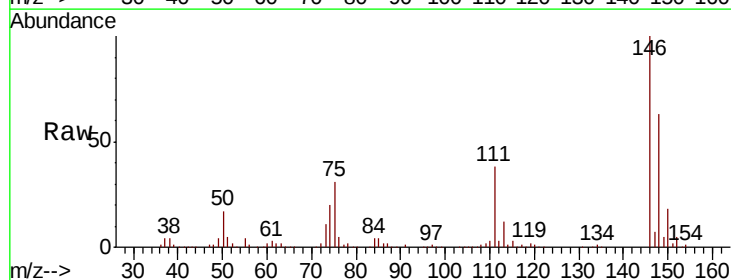
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

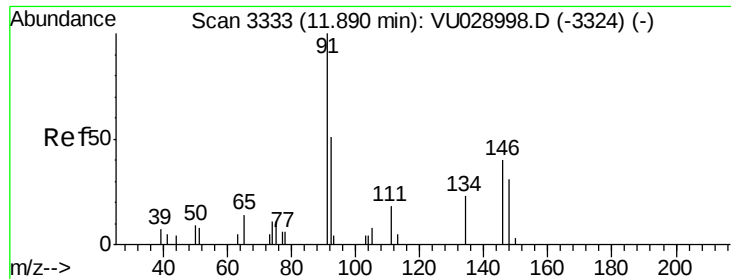
Tgt Ion:146 Resp: 234087
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.8
 148 64.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 47.171 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion:146 Resp: 236483
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.3
 148 63.4 32.6 98.0

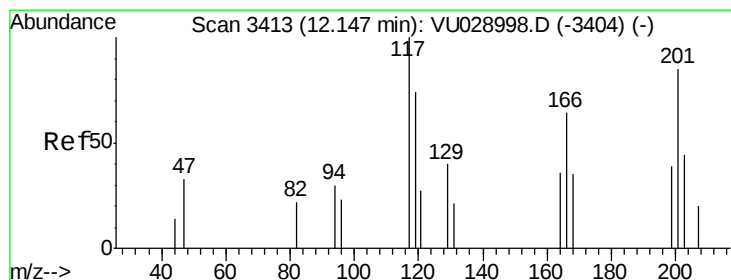
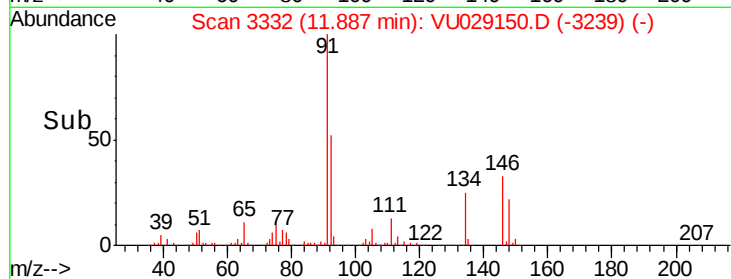
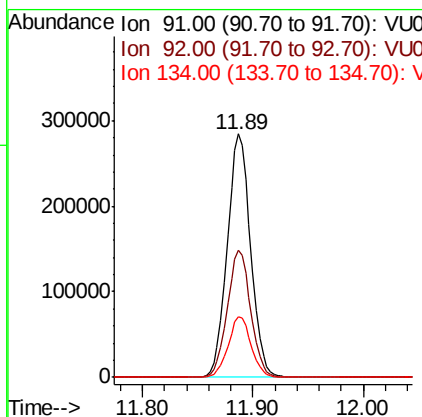
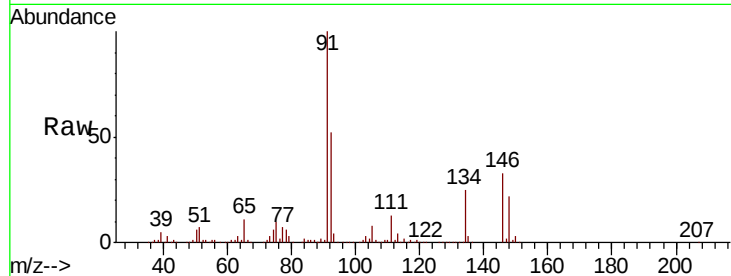




#89
n-Butylbenzene
Concen: 54.368 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

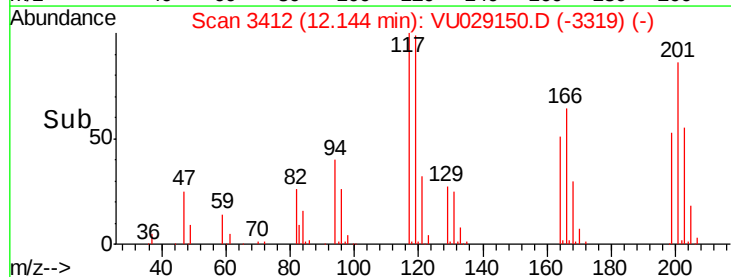
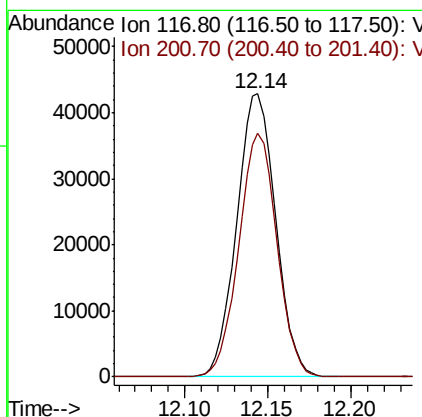
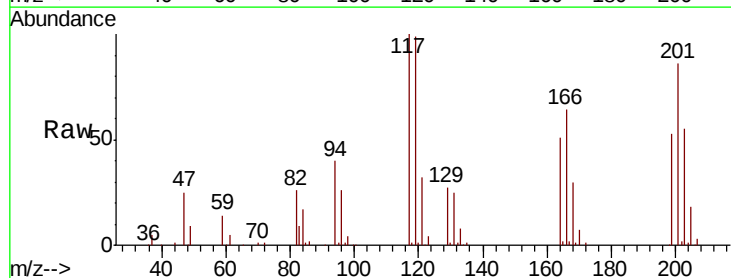
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

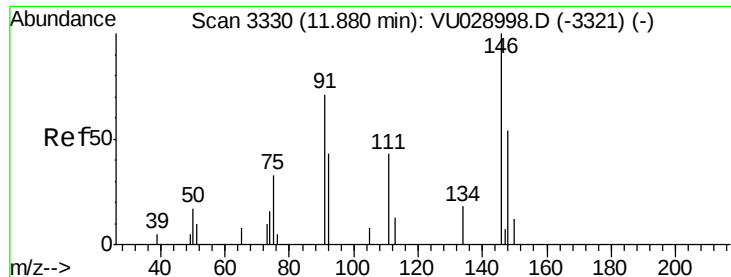
Tgt Ion: 91 Resp: 418218
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 24.5 12.6 37.6



#90
Hexachloroethane
Concen: 48.371 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 117 Resp: 70132
Ion Ratio Lower Upper
117 100
201 84.1 42.4 127.3

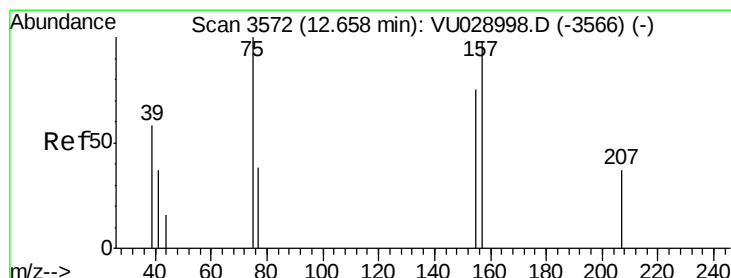
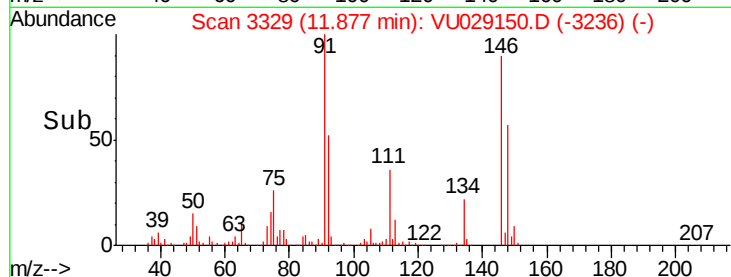
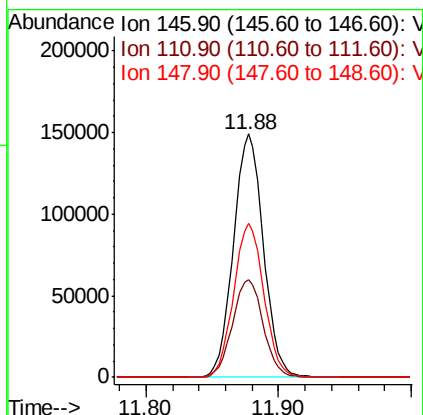
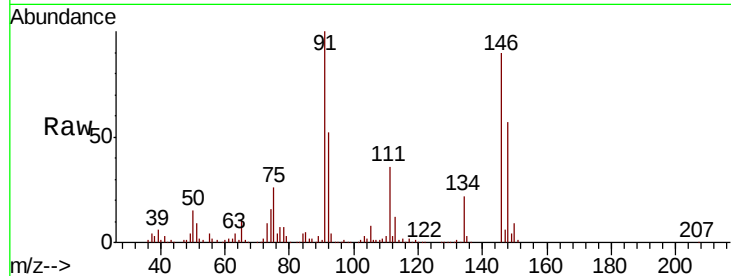




#91
 1,2-Dichlorobenzene
 Concen: 47.848 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

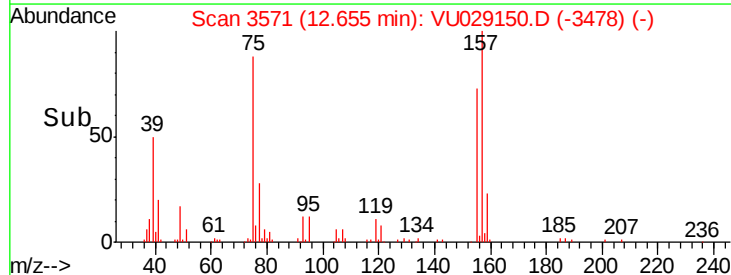
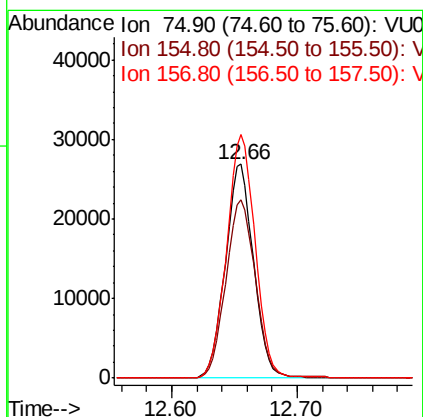
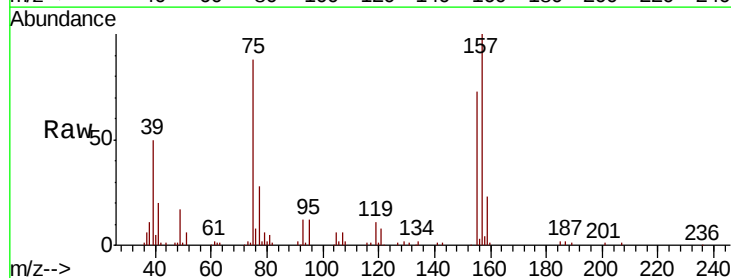
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

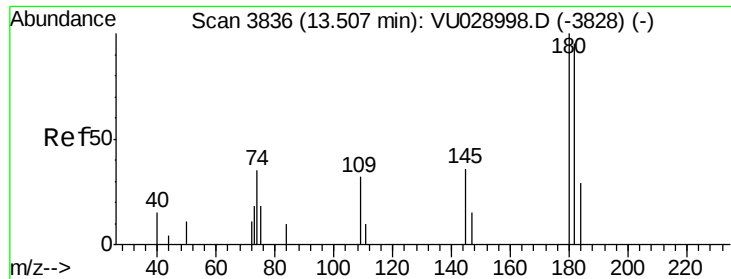
Tgt Ion: 146 Resp: 234071
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 63.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.931 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 75 Resp: 42241
 Ion Ratio Lower Upper
 75 100
 155 86.8 46.3 138.8
 157 115.1 57.4 172.0

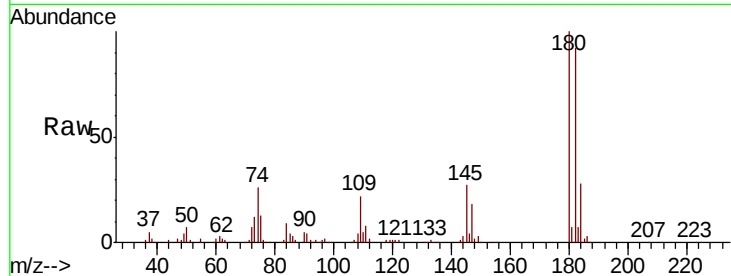




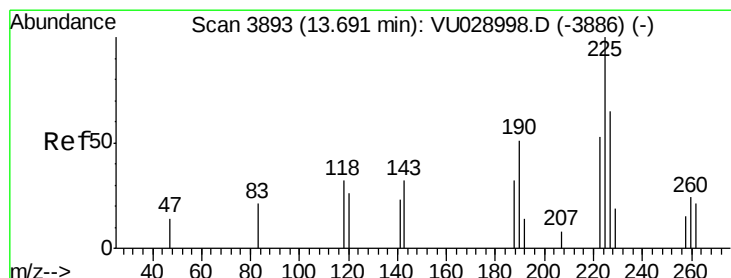
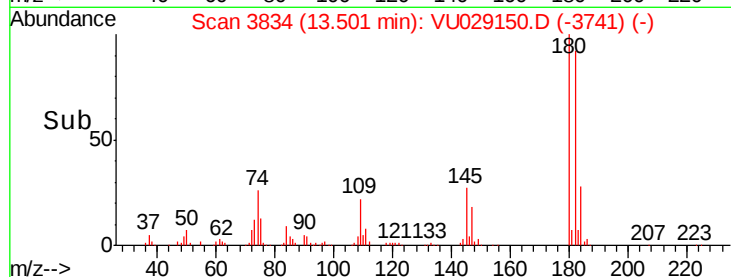
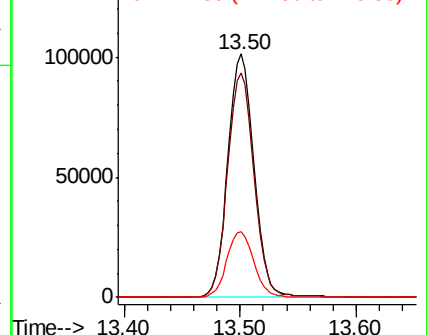
#93
 1,2,4-Trichlorobenzene
 Concen: 50.473 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 157615
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.5 142.6
 145 27.8 14.0 42.0

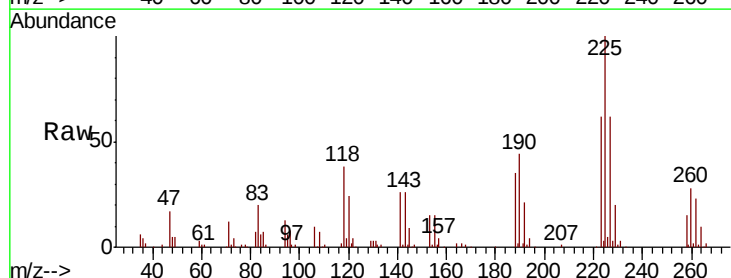


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

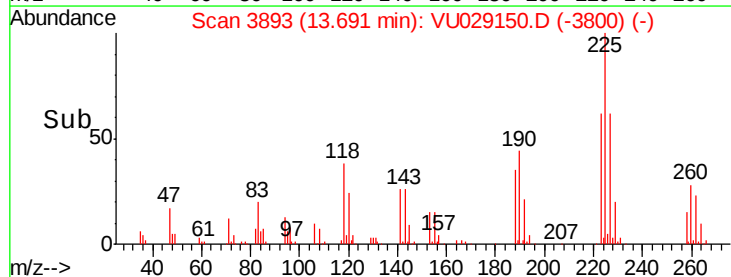
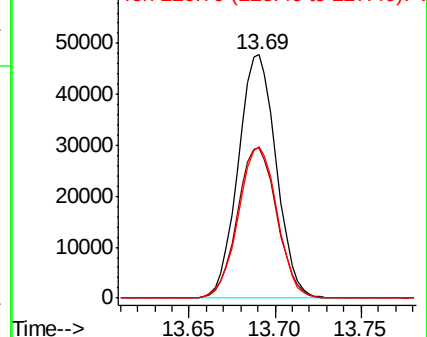


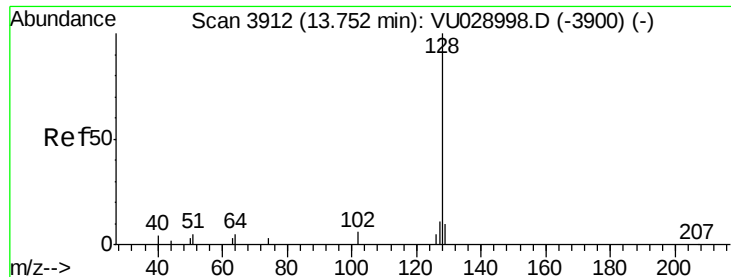
#94
 Hexachlorobutadiene
 Concen: 51.514 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion:225 Resp: 73579
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.0
 227 63.4 31.9 95.5



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

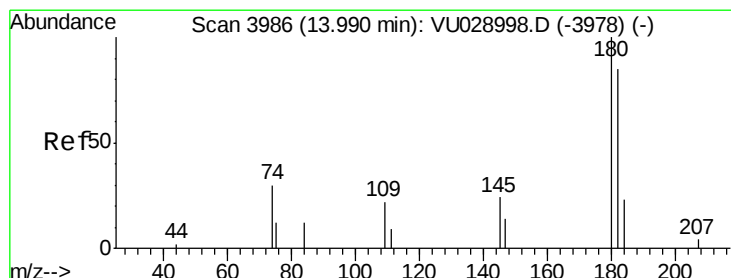
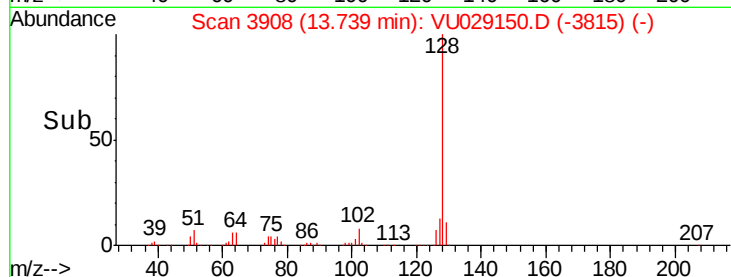
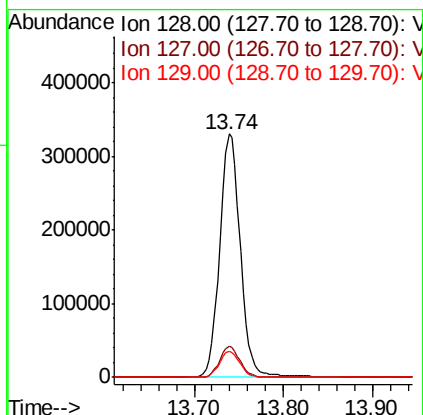
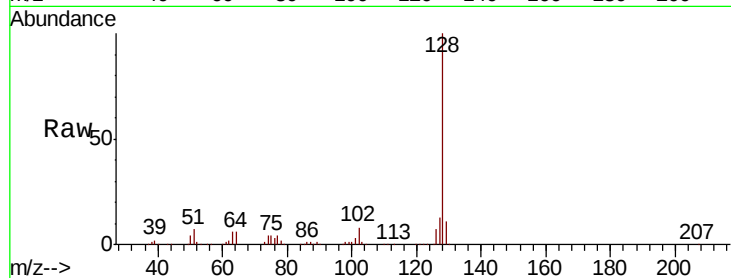




#95
Naphthalene
Concen: 49.919 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 530284
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.238 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion:180 Resp: 161515
Ion Ratio Lower Upper
180 100
182 95.9 48.1 144.3
145 29.9 14.8 44.4

