

Data File : VU032042.D
Acq On : 16 May 2019 12:14
Operator : JC/SP
Sample : VSTD0.506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SV1DL

Quant Time: May 17 02:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	414500	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	412896	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174516	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	19414	0.50	ug/L	0.00
7) Chloroethane-d5	1.68	69	16285	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	28021	0.47	ug/L	0.00
20) 2-Butanone-d5	4.21	46	30144	3.62	ug/L	0.00
24) Chloroform-d	4.65	84	31765	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	17686	0.55	ug/L	0.00
32) Benzene-d6	5.34	84	63086	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	18447	0.45	ug/L	0.00
41) Toluene-d8	7.57	98	53096	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	6112	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	23178	3.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14748	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18543	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	10933	0.532 ug/L	100
3) Chloromethane	1.32	50	11458	0.491 ug/L	91
5) Vinyl chloride	1.40	62	11415	0.501 ug/L	99
6) Bromomethane	1.63	94	6670	0.551 ug/L	95
8) Chloroethane	1.70	64	10895	0.727 ug/L	86
9) Trichlorofluoromethane	1.88	101	13167	0.526 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	9529	0.581 ug/L	97
12) 1,1-Dichloroethene	2.28	96	8858	0.545 ug/L	89
13) Acetone	2.34	43	13640	5.214 ug/L	97
14) Carbon disulfide	2.47	76	29006	0.521 ug/L	98
15) Methyl Acetate	2.63	43	4282	0.562 ug/L #	77
16) Methylene chloride	2.69	84	12858	0.672 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	21512	0.541 ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	9622	0.537 ug/L	98
19) 1,1-Dichloroethane	3.43	63	15227	0.502 ug/L #	91
21) 2-Butanone	4.31	43	14612	3.656 ug/L	78
22) cis-1,2-Dichloroethene	4.23	96	9413	0.527 ug/L	94
23) Bromochloromethane	4.55	128	4178	0.544 ug/L	93
25) Chloroform	4.67	83	16494	0.531 ug/L	85
27) 1,2-Dichloroethane	5.41	62	8745	0.485 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	12937	0.549 ug/L	94
30) Cyclohexane	4.98	56	10492	0.409 ug/L	96
31) Carbon tetrachloride	5.13	117	10705	0.534 ug/L	95
33) Benzene	5.39	78	32063	0.473 ug/L	100
34) Trichloroethene	6.18	95	8961	0.498 ug/L	94
35) Methylcyclohexane	6.41	83	11794	0.466 ug/L	98
37) 1,2-Dichloropropane	6.43	63	8640	0.509 ug/L	98
38) Bromodichloromethane	6.76	83	9714	0.473 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	9155	0.415 ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	31482	3.507 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	29672	0.428	ug/L	93
44) trans-1,3-Dichloropropene	7.89	75	6695	0.386	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5672	0.476	ug/L	89
47) Tetrachloroethene	8.22	164	6232	0.490	ug/L	85
48) 2-Hexanone	8.37	43	23973	3.537	ug/L	89
49) Dibromochloromethane	8.47	129	6368	0.491	ug/L	99
50) 1,2-Dibromoethane	8.59	107	5665	0.518	ug/L	89
51) Chlorobenzene	9.12	112	21434	0.504	ug/L	96
52) Ethylbenzene	9.25	91	30118	0.433	ug/L	98
53) m,p-Xylene	9.37	106	10604	0.413	ug/L	87
54) o-Xylene	9.78	106	10630	0.426	ug/L	92
55) Styrene	9.79	104	16231	0.400	ug/L	97
56) Isopropylbenzene	10.16	105	25793	0.406	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	7315	0.498	ug/L #	97
59) 1,2,3-Trichloropropane	10.49	75	4761	0.461	ug/L	97
61) Bromoform	9.96	173	3125	0.470	ug/L #	86
62) 1,3-Dichlorobenzene	11.42	146	14075	0.490	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	14078	0.480	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	13604	0.478	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	719	0.363	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.89	180	9221	0.443	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	5098	0.357	ug/L	88
69) Naphthalene	13.76	128	3643	0.152	ug/L #	77
70) 1,2,3-Trichlorobenzene	14.00	180	4838	0.332	ug/L #	92

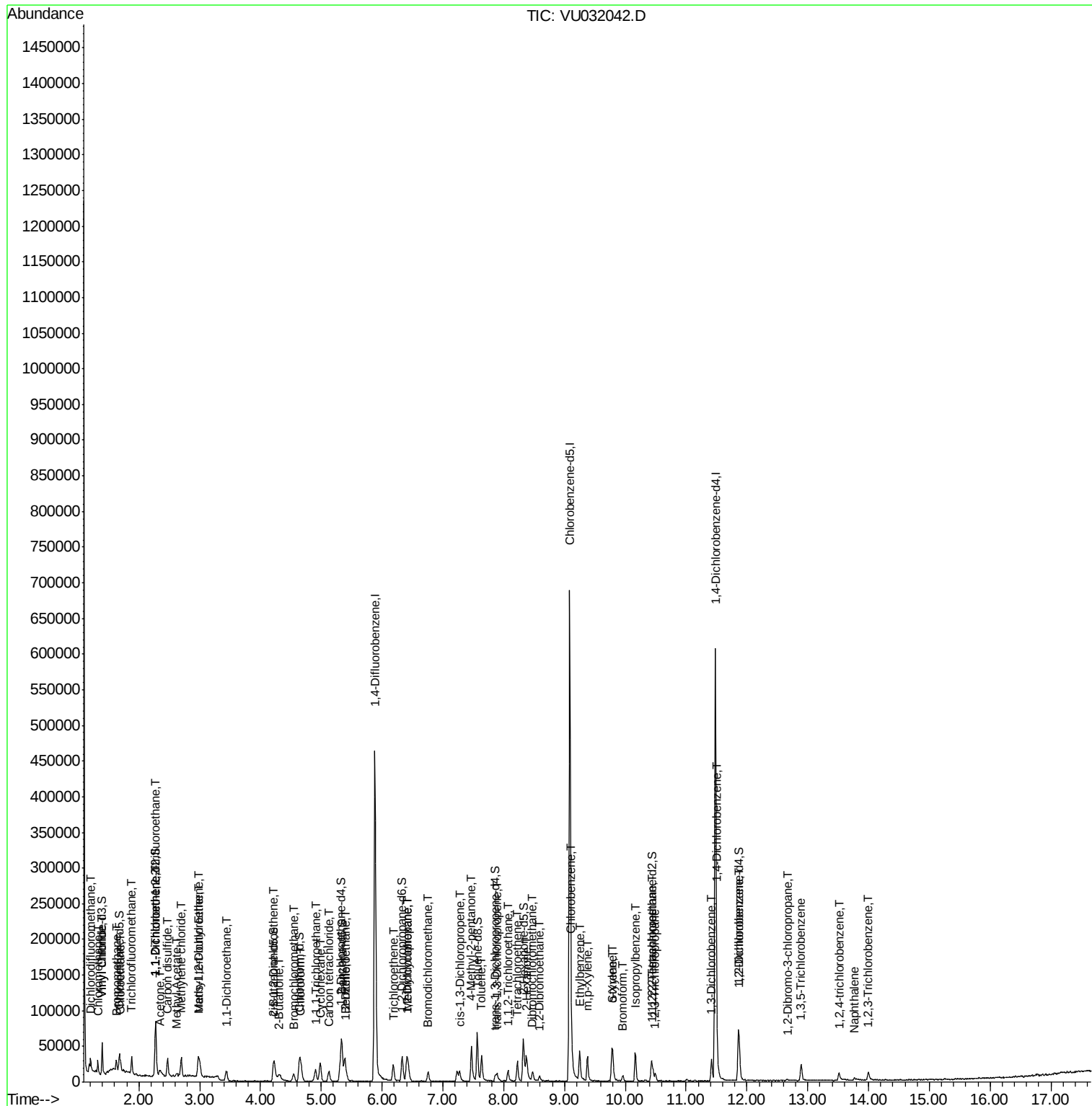
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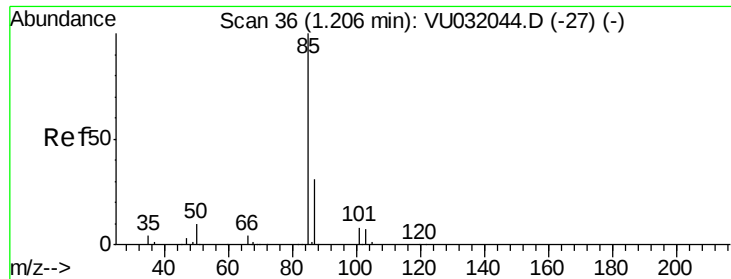
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#2

Dichlorodifluoromethane

Concen: 0.532 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

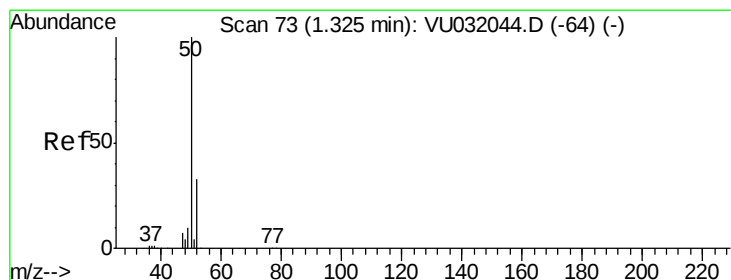
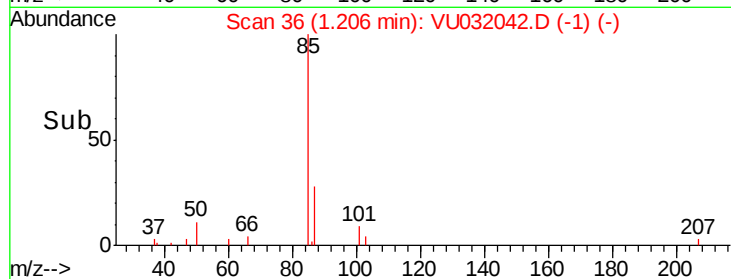
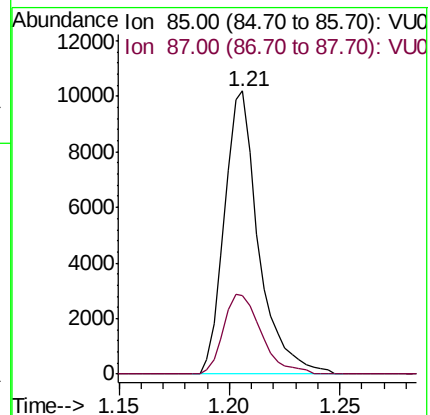
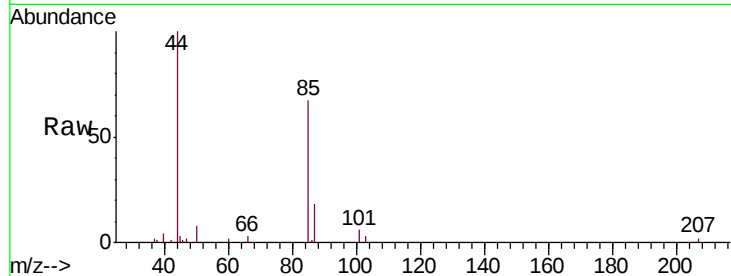
SV1DL

Tgt Ion: 85 Resp: 10933

Ion Ratio Lower Upper

85 100

87 31.2 24.8 37.2



#3

Chloromethane

Concen: 0.491 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032042.D

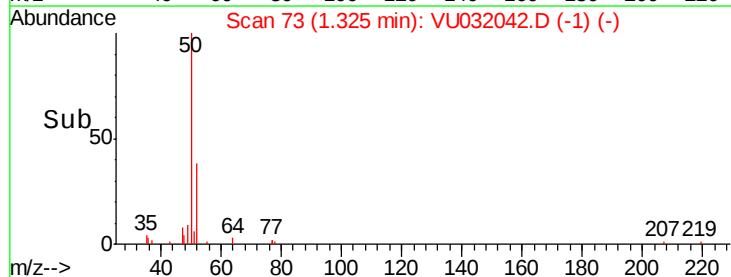
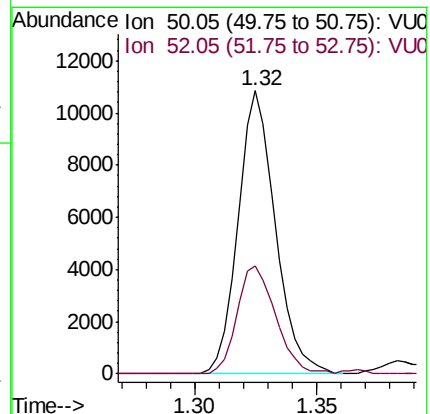
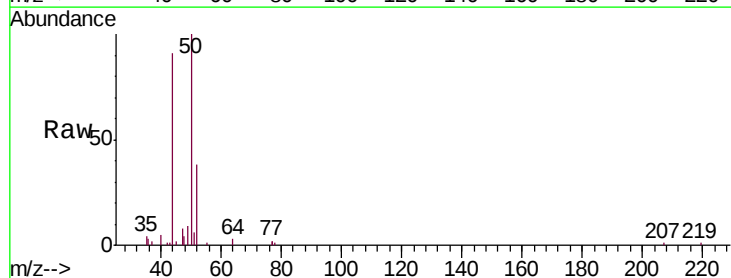
Acq: 16 May 2019 12:14

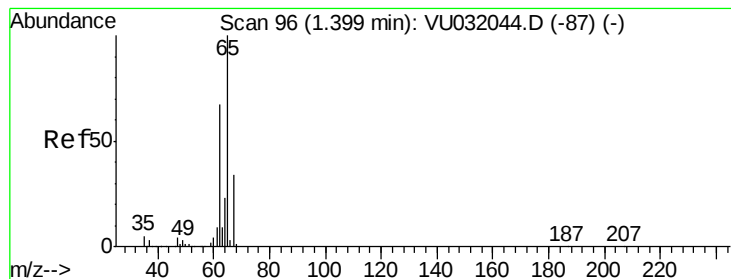
Tgt Ion: 50 Resp: 11458

Ion Ratio Lower Upper

50 100

52 38.0 23.2 43.0





#5

Vinyl chloride

Concen: 0.501 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

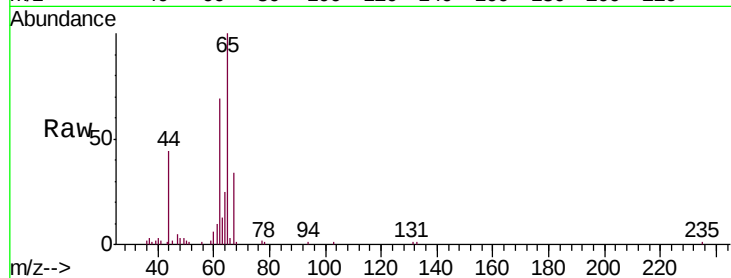
SV1DL

Tgt Ion: 62 Resp: 11415

Ion Ratio Lower Upper

62 100

64 36.4 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032042.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032042.D (-87) (-)

12000

10000

8000

6000

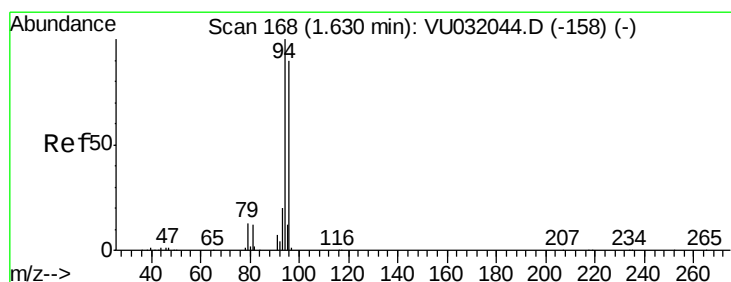
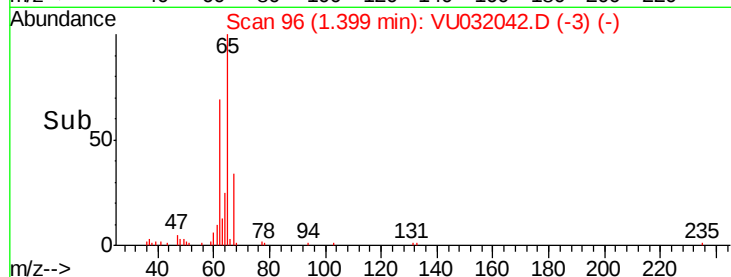
4000

2000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 0.551 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU032042.D

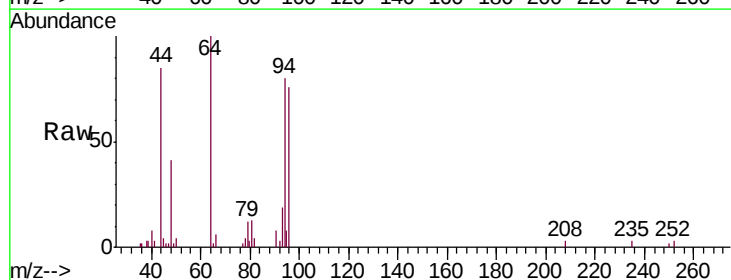
Acq: 16 May 2019 12:14

Tgt Ion: 94 Resp: 6670

Ion Ratio Lower Upper

94 100

96 95.0 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU032042.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032042.D (-158) (-)

5000

4000

3000

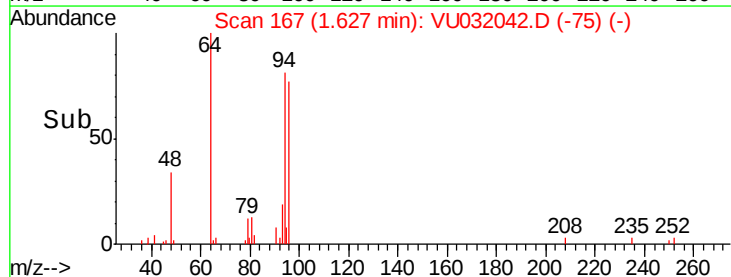
2000

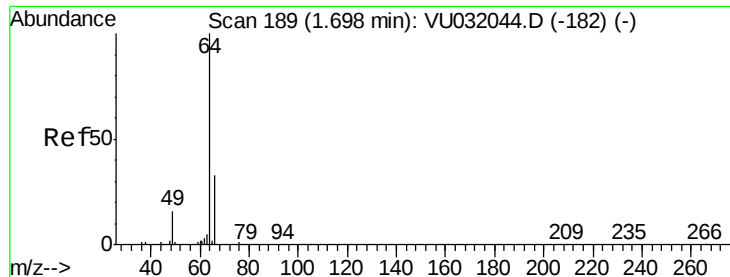
1000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 0.727 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

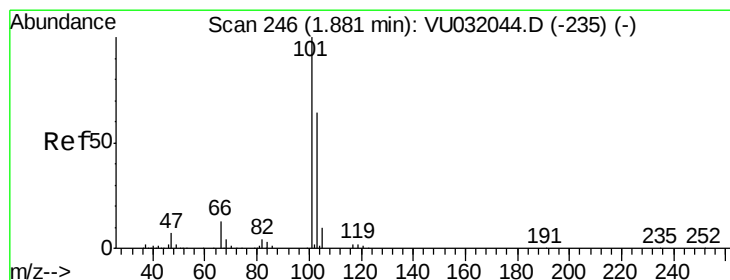
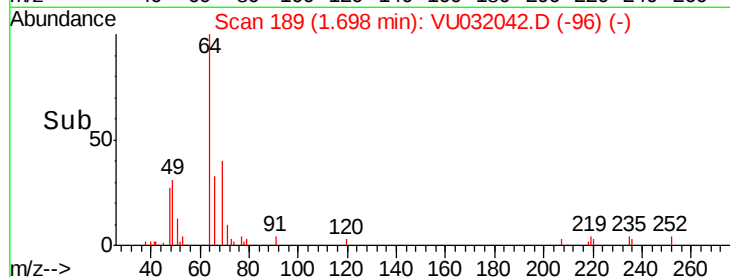
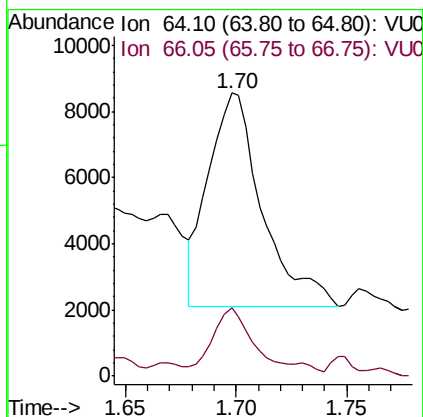
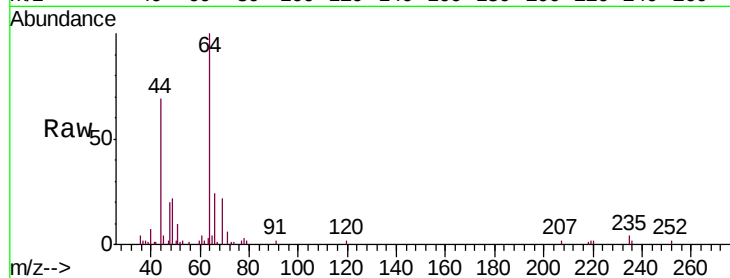
SV1DL

Tgt Ion: 64 Resp: 10895

Ion Ratio Lower Upper

64 100

66 24.0 22.0 41.0



#9

Trichlorofluoromethane

Concen: 0.526 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032042.D

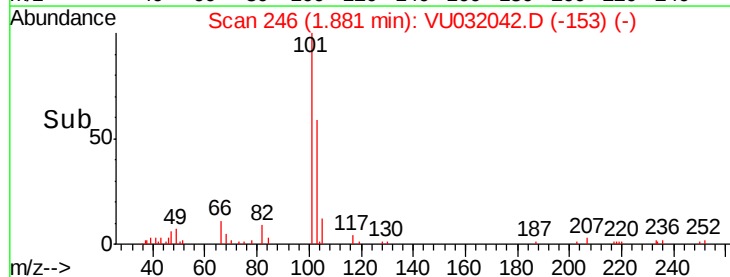
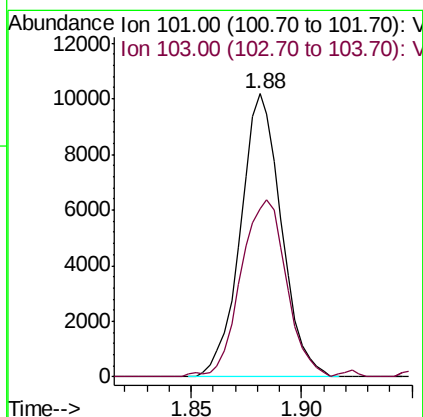
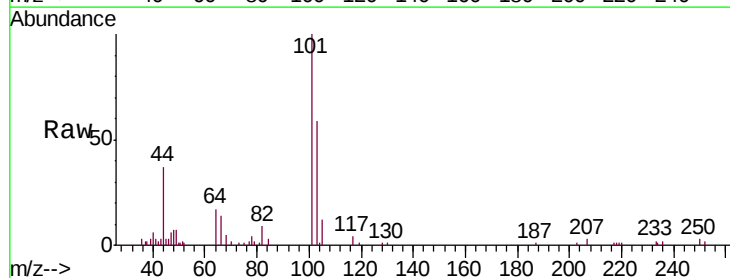
Acq: 16 May 2019 12:14

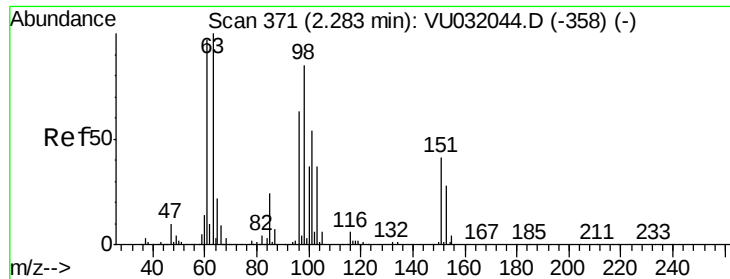
Tgt Ion: 101 Resp: 13167

Ion Ratio Lower Upper

101 100

103 69.9 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.581 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

SV1DL

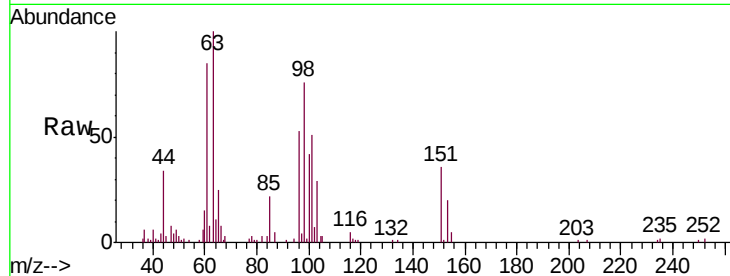
Tgt Ion:101 Resp: 9529

Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.8

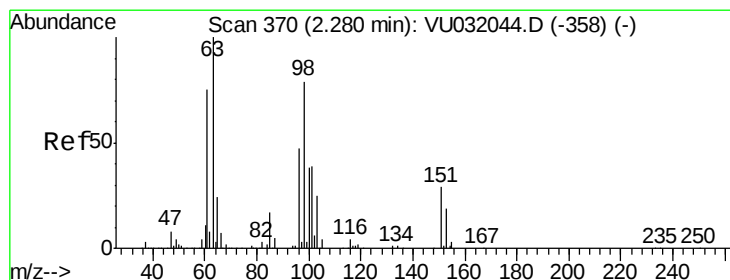
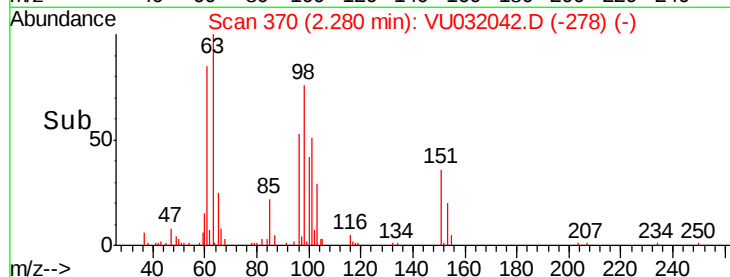
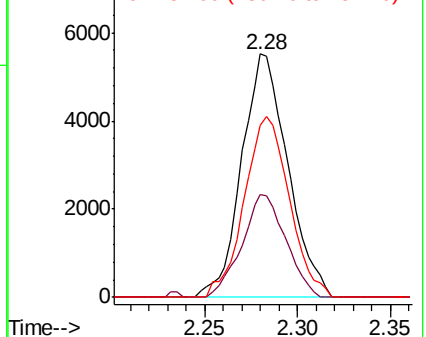
151 72.3 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.545 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

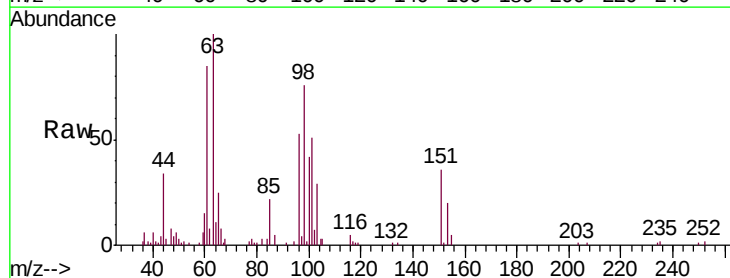
Tgt Ion: 96 Resp: 8858

Ion Ratio Lower Upper

96 100

61 162.4 111.7 207.5

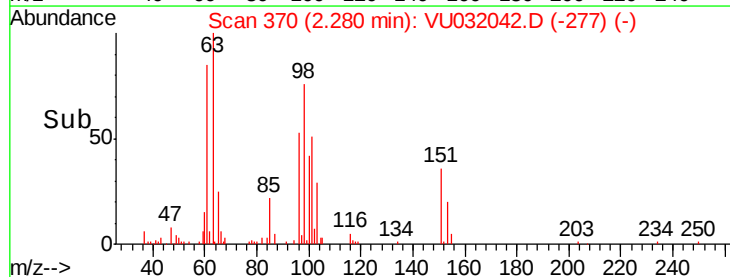
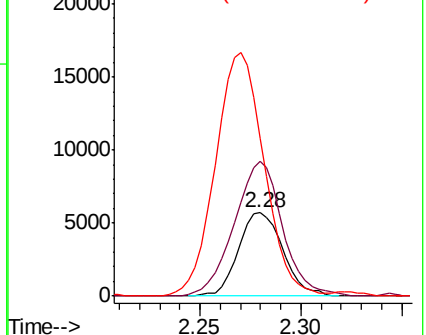
63 190.1 152.2 282.6

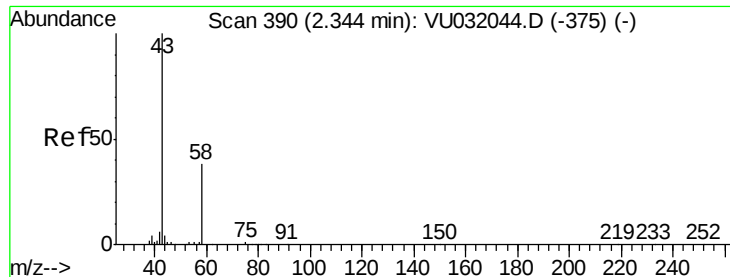


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.214 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.00 min

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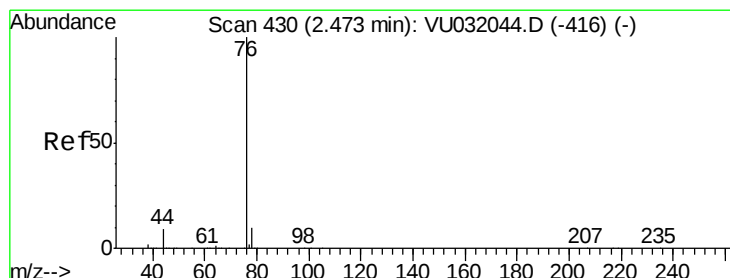
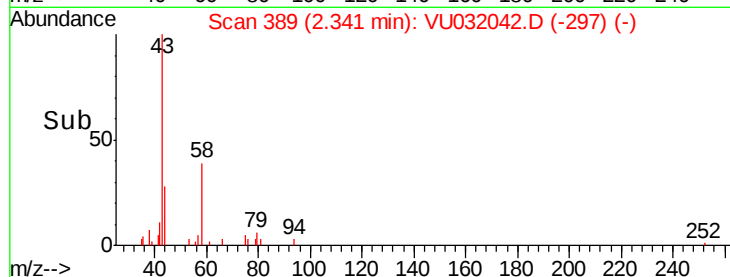
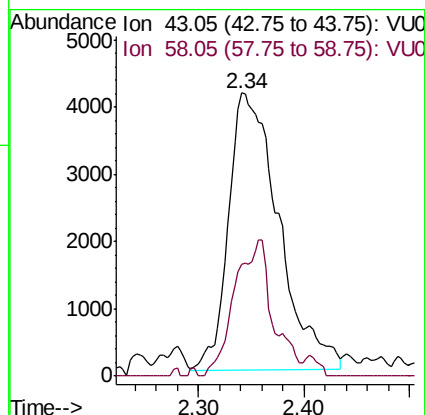
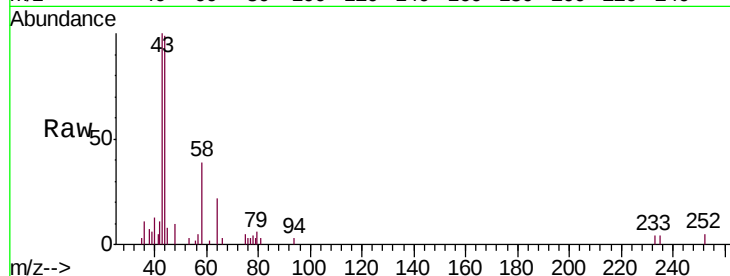
SV1DL

Tgt Ion: 43 Resp: 13640

Ion Ratio Lower Upper

43 100

58 37.6 0.0 78.8



#14

Carbon disulfide

Concen: 0.521 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032042.D

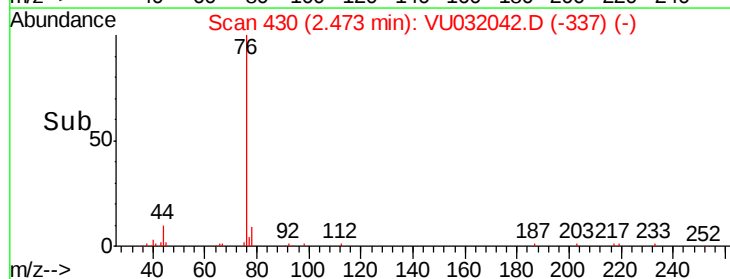
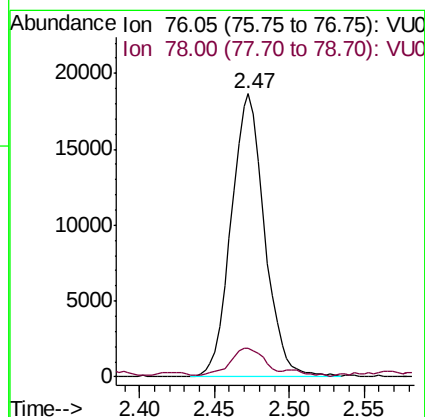
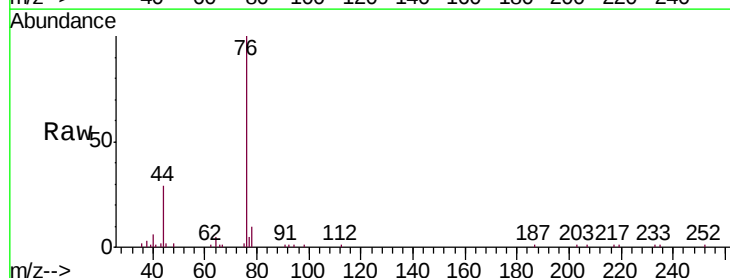
Acq: 16 May 2019 12:14

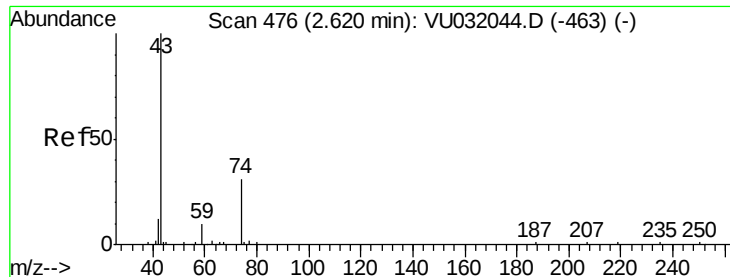
Tgt Ion: 76 Resp: 29006

Ion Ratio Lower Upper

76 100

78 10.3 7.8 11.6

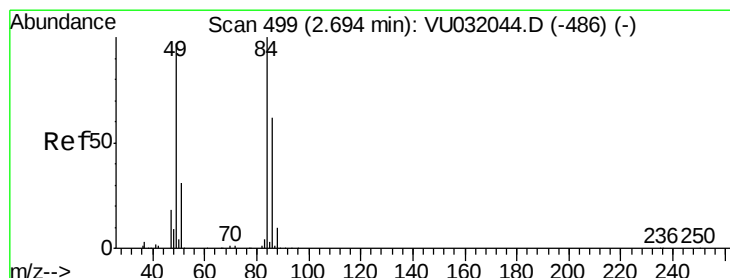
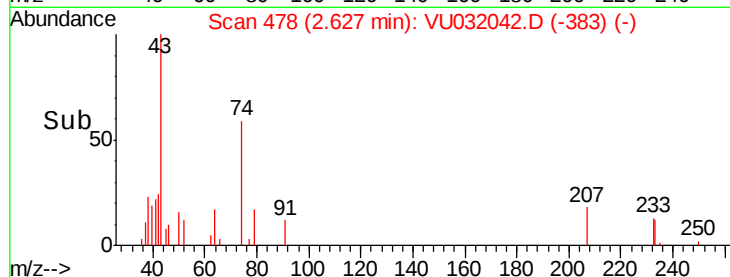
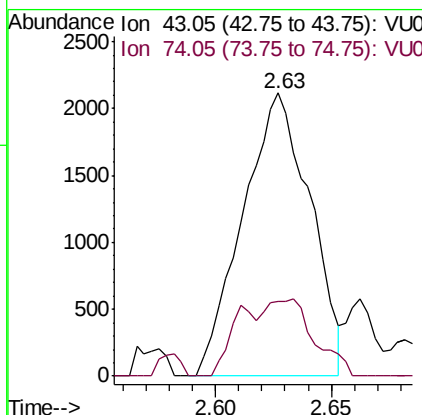
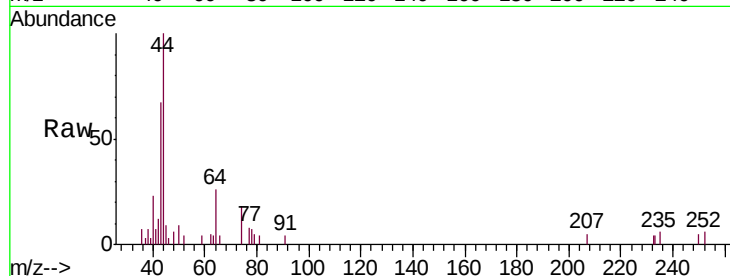




#15
Methyl Acetate
Concen: 0.562 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

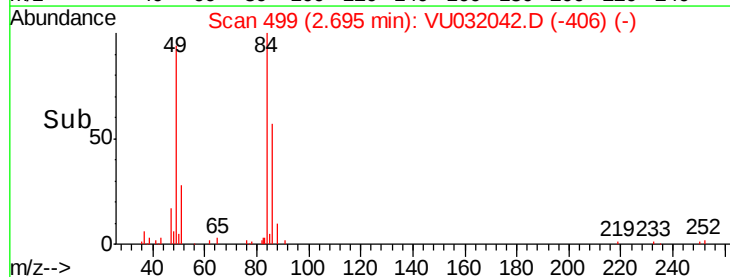
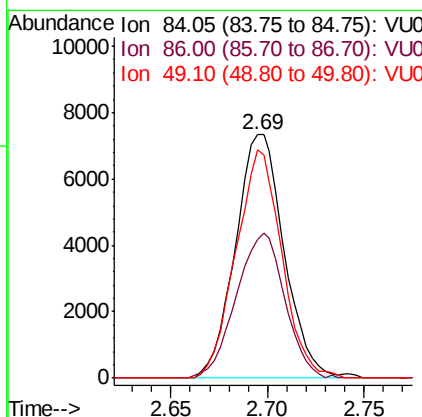
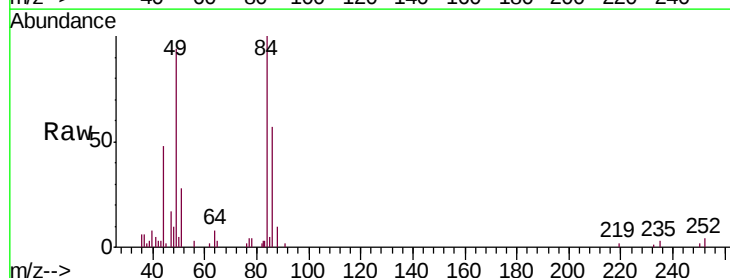
Instrument :
MSVOA_U
ClientSampleId :
SV1DL

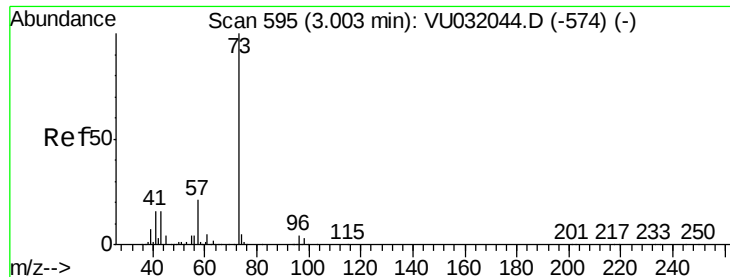
Tgt Ion: 43 Resp: 4282
Ion Ratio Lower Upper
43 100
74 20.2 26.4 39.6#



#16
Methylene chloride
Concen: 0.672 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion: 84 Resp: 12858
Ion Ratio Lower Upper
84 100
86 56.9 43.1 80.1
49 93.8 67.7 125.7





#17

Methyl tert-butyl Ether

Concen: 0.541 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.01 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

SV1DL

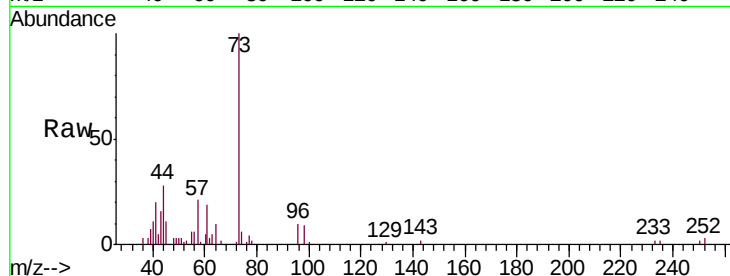
Tgt Ion: 73 Resp: 21512

Ion Ratio Lower Upper

73 100

43 19.1 13.0 19.6

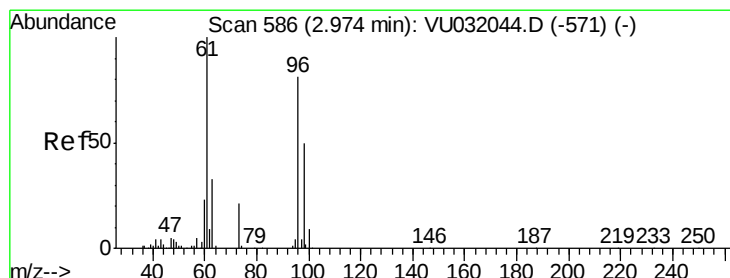
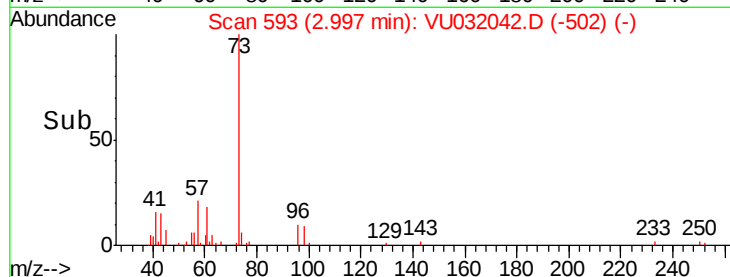
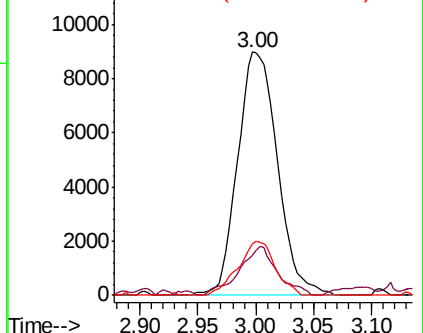
57 20.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU032042.D (-574) (-)

Ion 43.05 (42.75 to 43.75): VU032042.D (-574) (-)

Ion 57.10 (56.80 to 57.80): VU032042.D (-574) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.537 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

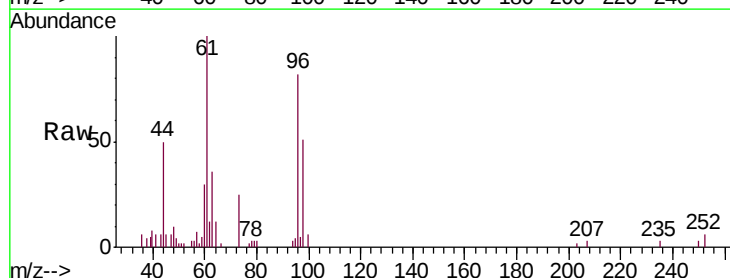
Tgt Ion: 96 Resp: 9622

Ion Ratio Lower Upper

96 100

61 121.3 86.5 160.7

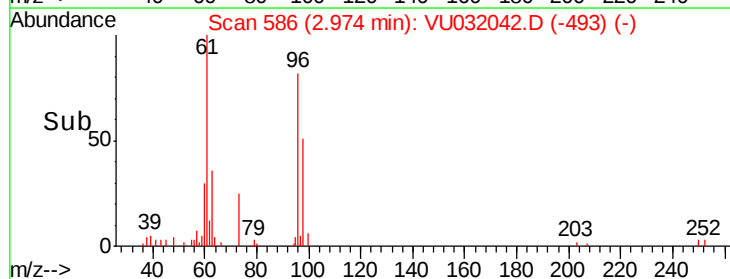
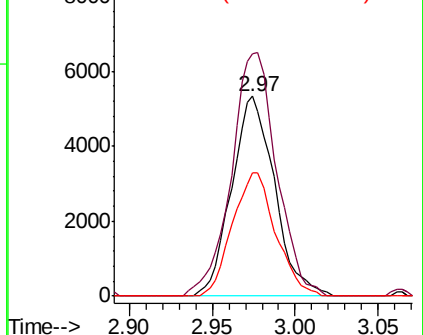
98 61.5 43.5 80.9

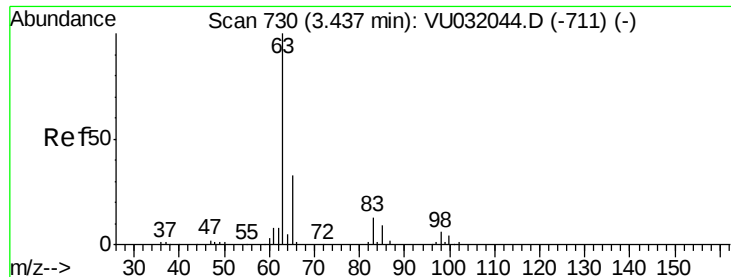


Abundance Ion 96.00 (95.70 to 96.70): VU032042.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032042.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032042.D (-571) (-)

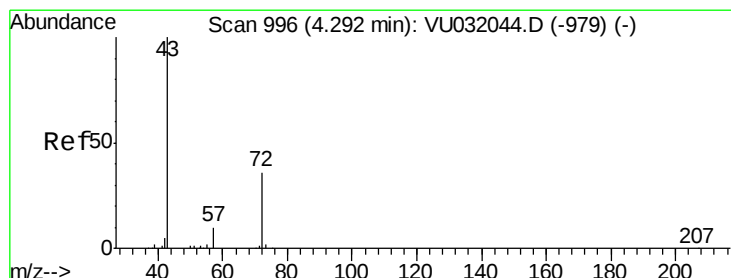
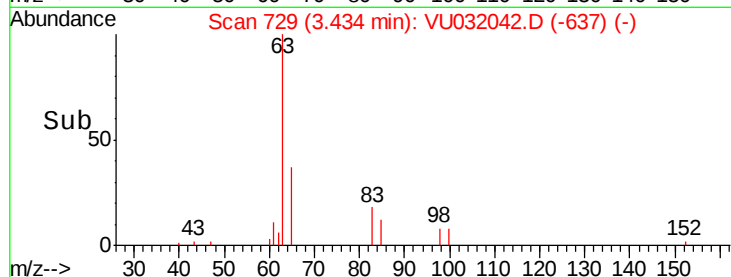
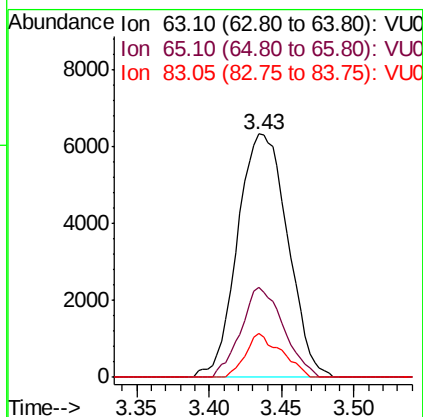
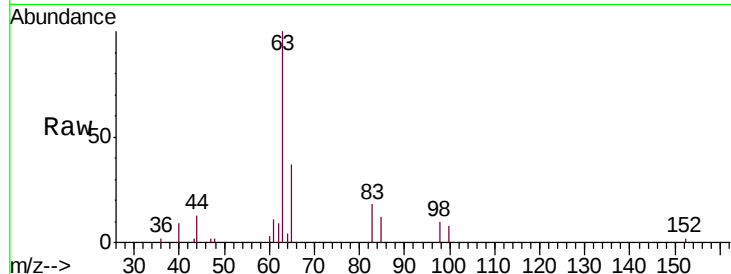




#19
 1,1-Dichloroethane
 Concen: 0.502 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

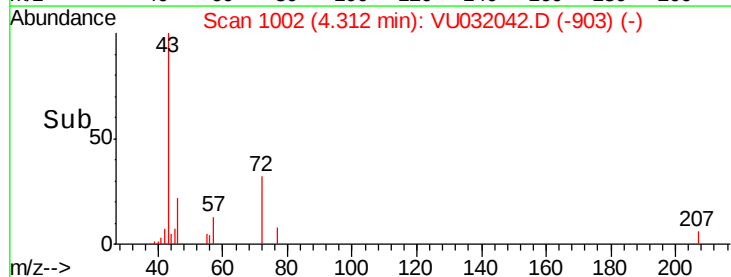
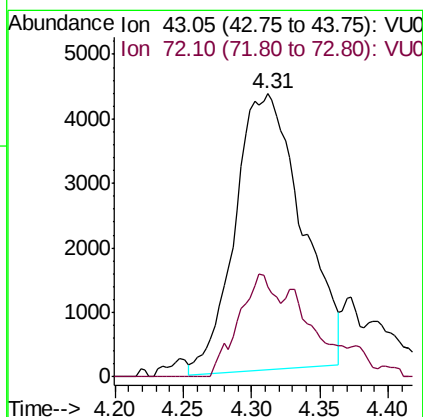
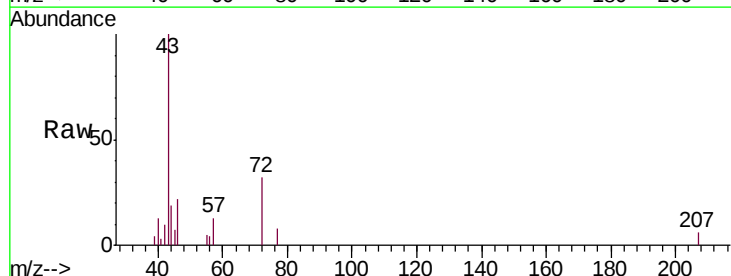
Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

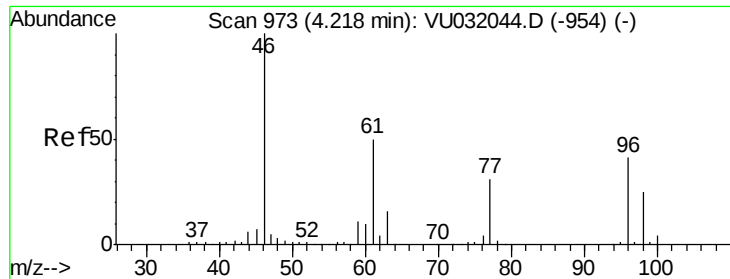
Tgt Ion: 63 Resp: 15227
 Ion Ratio Lower Upper
 63 100
 65 36.9 23.0 42.6
 83 18.1 9.3 17.3#



#21
 2-Butanone
 Concen: 3.656 ug/L
 RT: 4.31 min Scan# 1002
 Delta R.T. 0.02 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion: 43 Resp: 14612
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.8 50.3



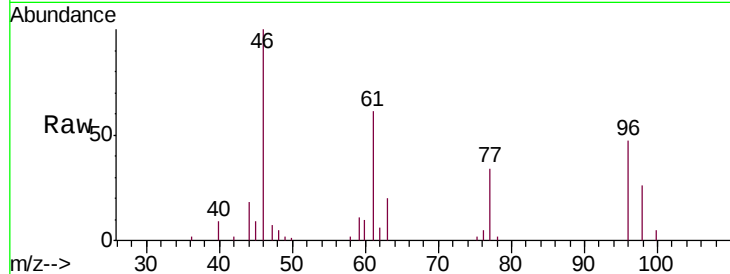


#22

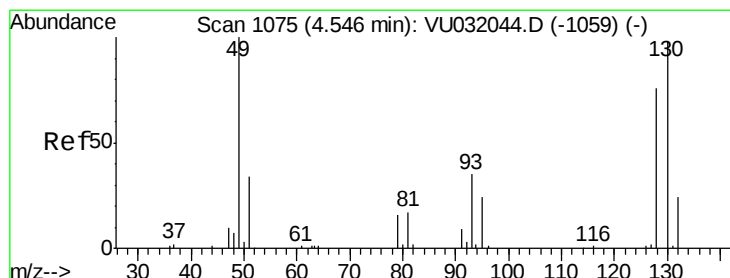
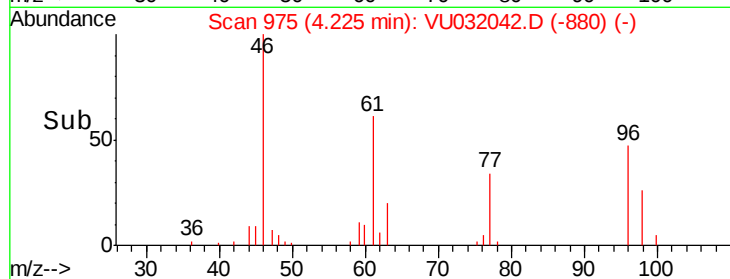
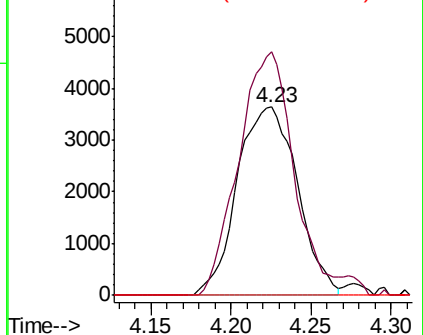
cis-1,2-Dichloroethene
Concen: 0.527 ug/L
RT: 4.23 min Scan# 975
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
SV1DL

Tgt Ion: 96 Resp: 9413
Ion Ratio Lower Upper
96 100
61 129.4 85.8 159.4
68 0.0 0.0 0.0



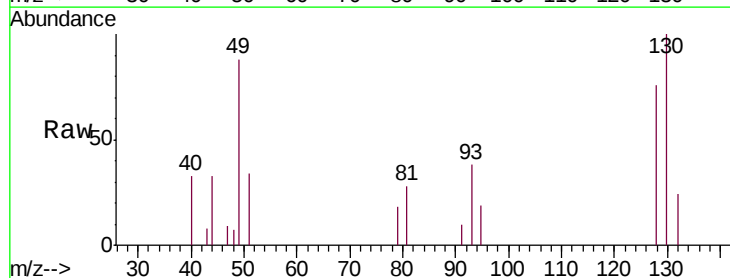
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



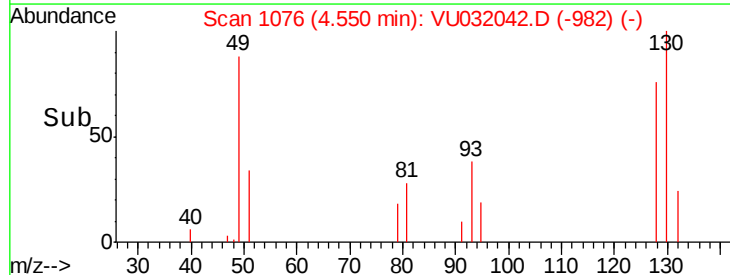
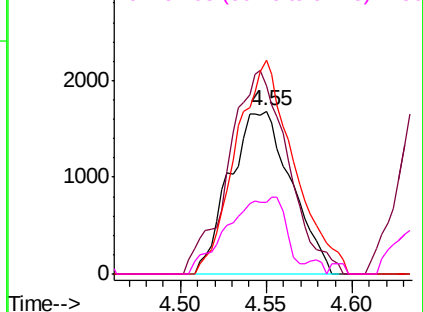
#23

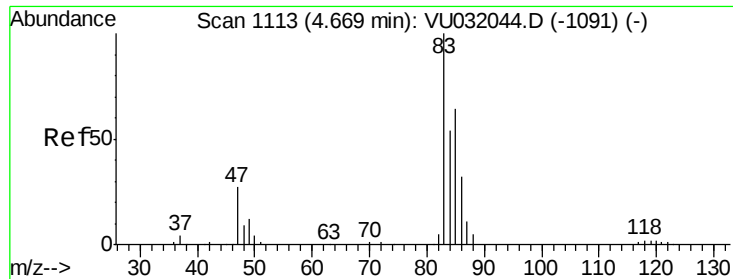
Bromochloromethane
Concen: 0.544 ug/L
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion: 128 Resp: 4178
Ion Ratio Lower Upper
128 100
49 115.1 92.2 171.2
130 131.0 90.3 167.7
51 44.2 35.3 52.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

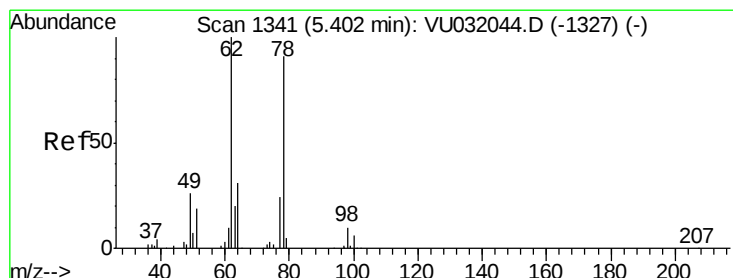
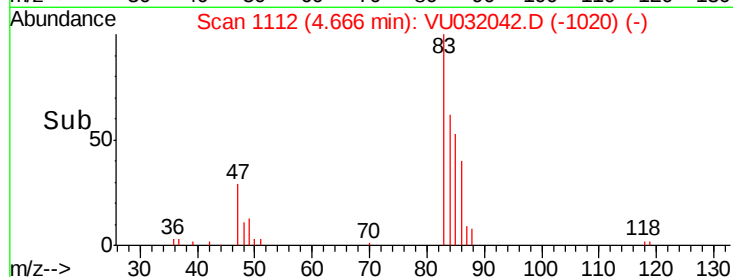
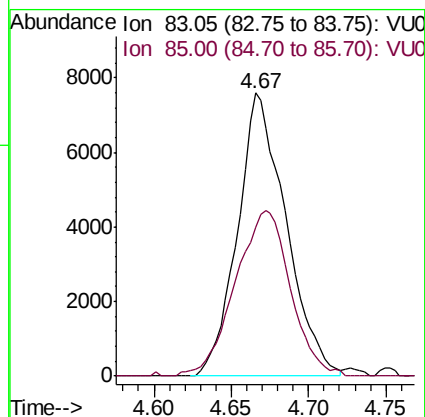
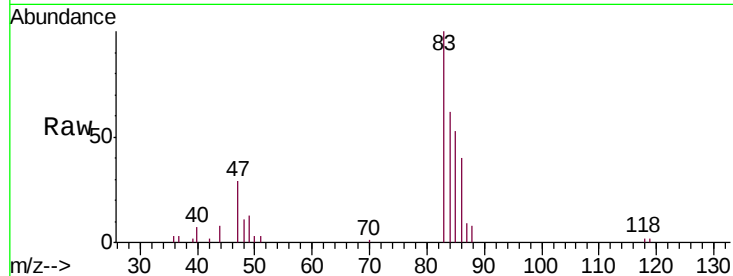




#25
Chloroform
Concen: 0.531 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

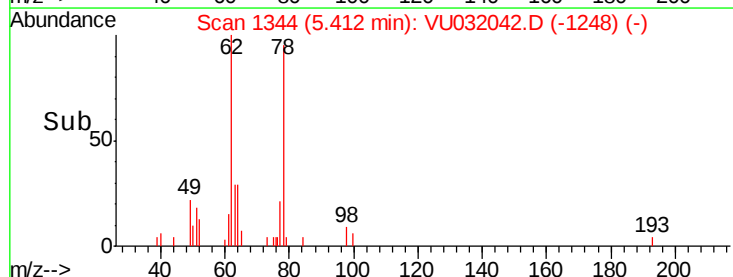
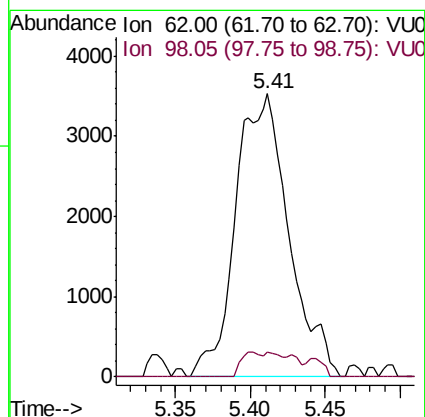
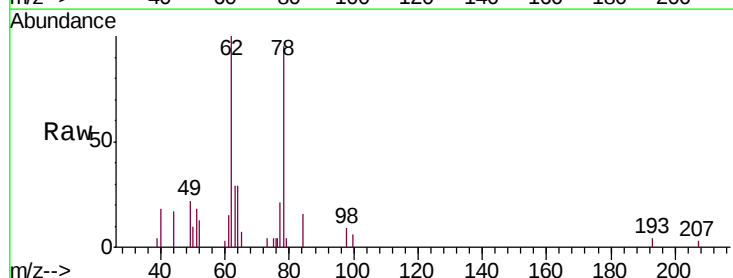
Instrument :
MSVOA_U
ClientSampled :
SV1DL

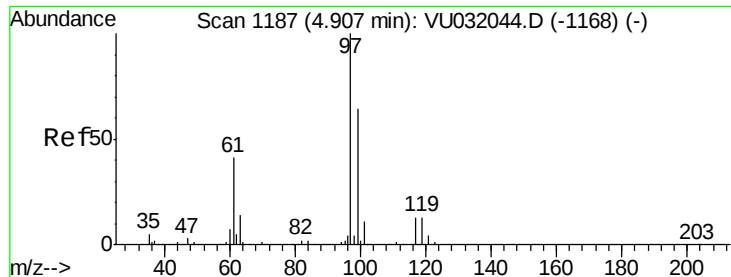
Tgt Ion: 83 Resp: 16494
Ion Ratio Lower Upper
83 100
85 52.7 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.485 ug/L
RT: 5.41 min Scan# 1344
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion: 62 Resp: 8745
Ion Ratio Lower Upper
62 100
98 8.6 8.0 12.0

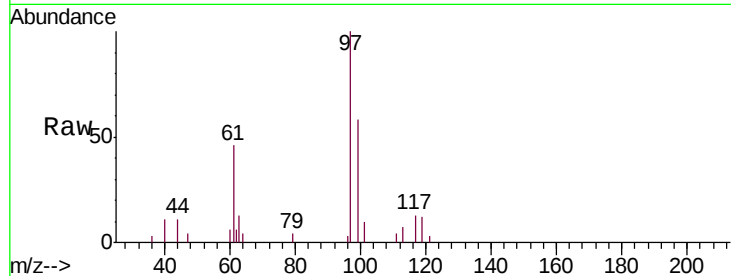




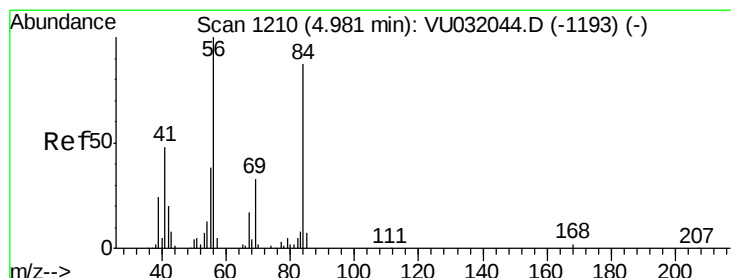
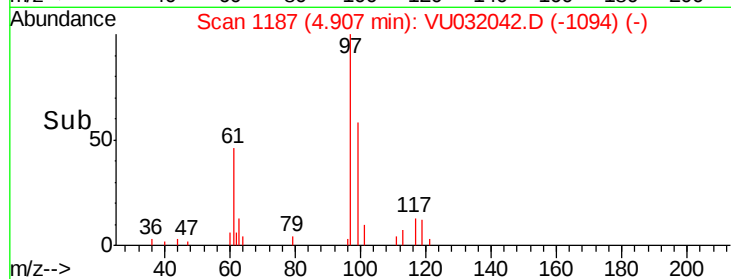
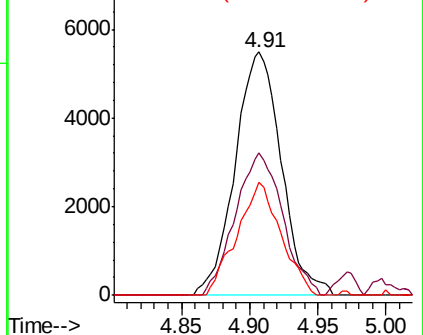
#29
 1,1,1-Trichloroethane
 Concen: 0.549 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

Tgt Ion: 97 Resp: 12937
 Ion Ratio Lower Upper
 97 100
 99 59.7 53.7 80.5
 61 43.9 34.2 51.4

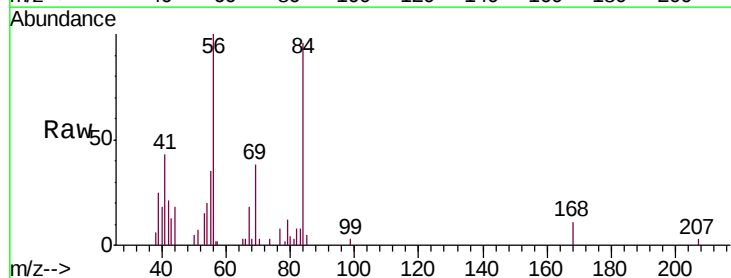


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

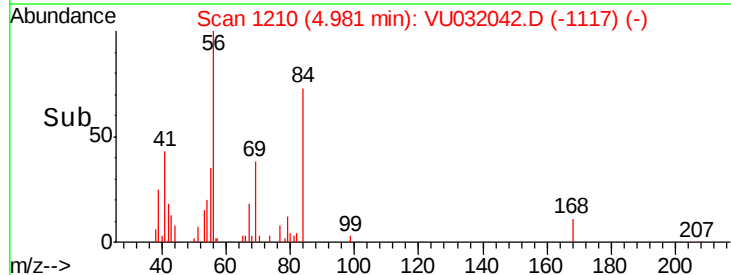
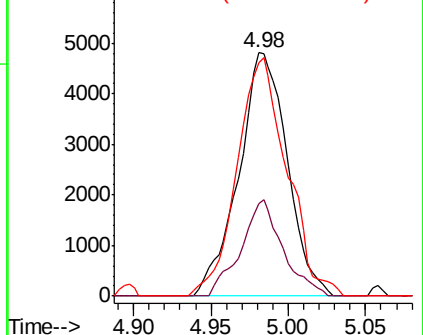


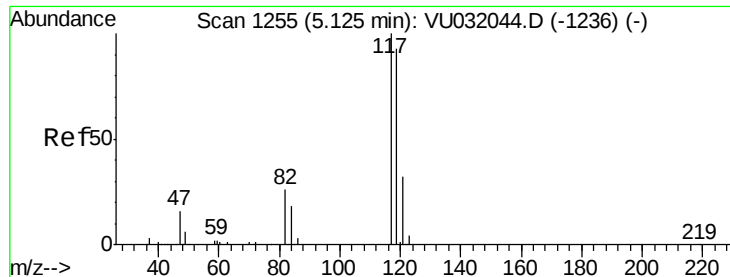
#30
 Cyclohexane
 Concen: 0.409 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion: 56 Resp: 10492
 Ion Ratio Lower Upper
 56 100
 69 34.1 26.9 40.3
 84 100.8 76.6 115.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

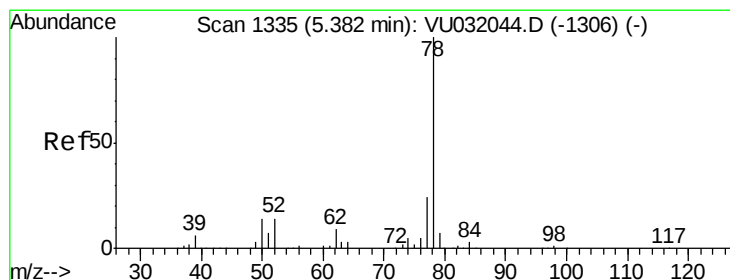
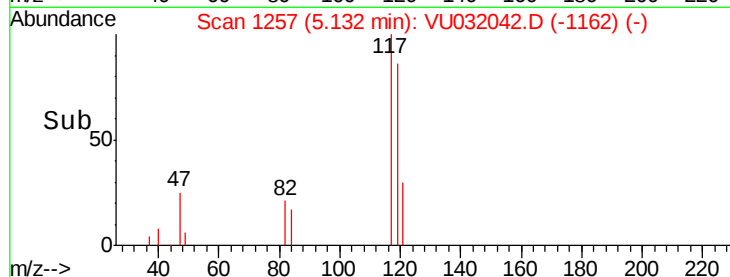
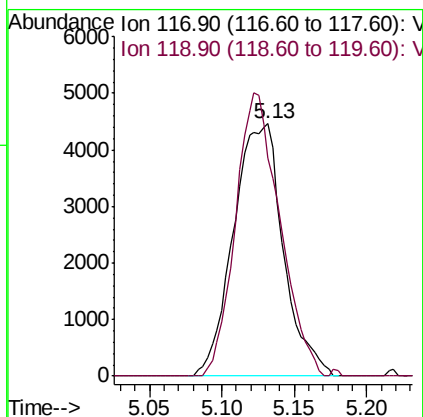
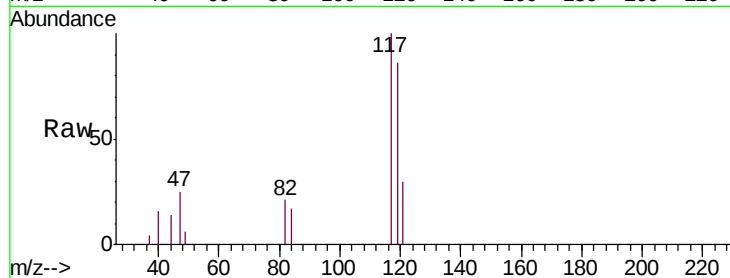




#31
Carbon tetrachloride
Concen: 0.534 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

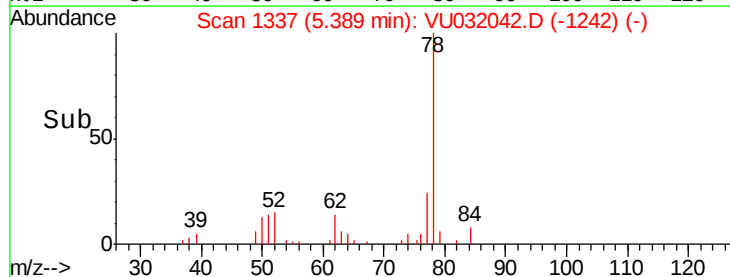
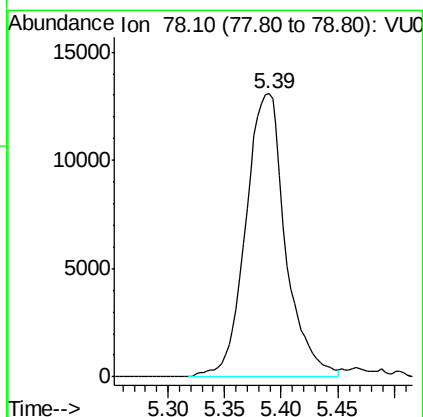
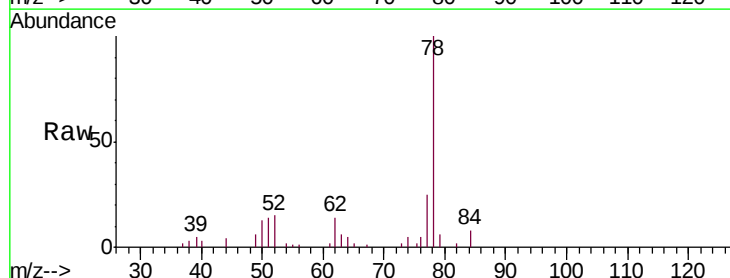
Instrument :
MSVOA_U
ClientSampleId :
SV1DL

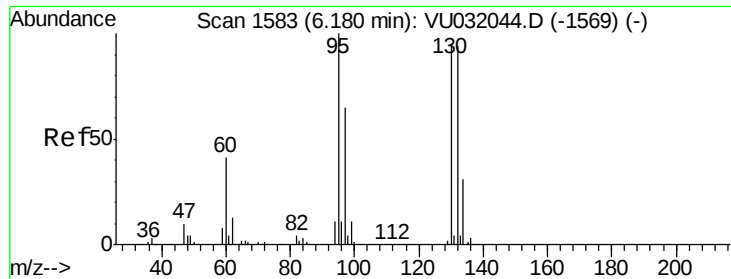
Tgt Ion:117 Resp: 10705
Ion Ratio Lower Upper
117 100
119 99.5 75.8 113.6



#33
Benzene
Concen: 0.473 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion: 78 Resp: 32063

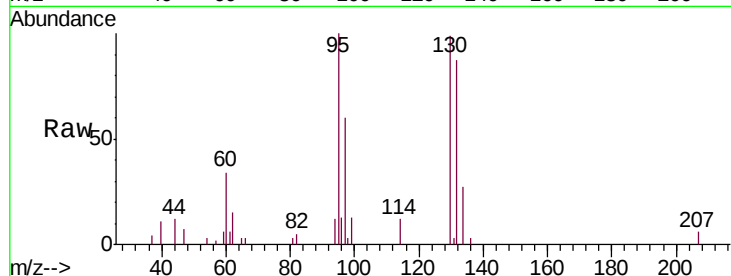




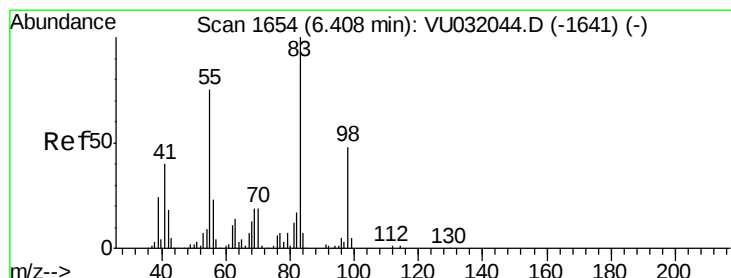
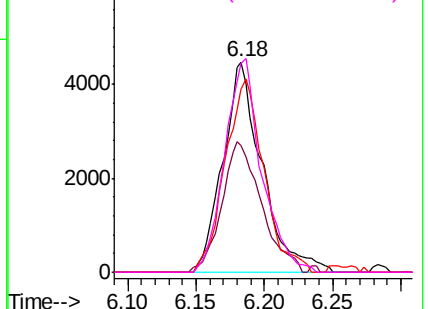
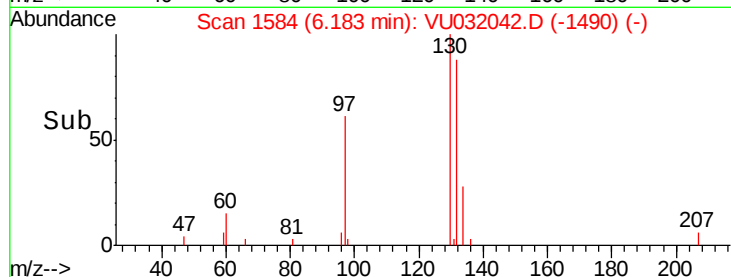
#34
 Trichloroethene
 Concen: 0.498 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

Tgt Ion:	95	Resp:	8961
Ion	Ratio	Lower	Upper
95	100		
97	60.5	45.2	84.0
132	87.1	66.1	122.7
130	99.2	66.7	123.9

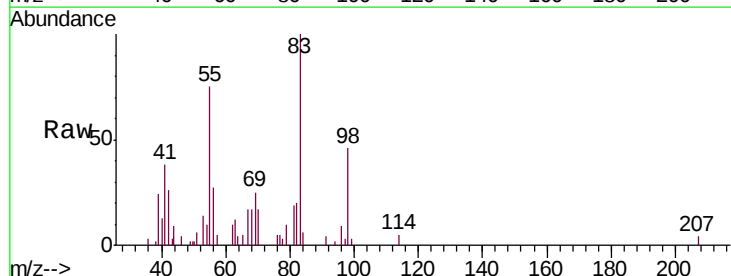


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

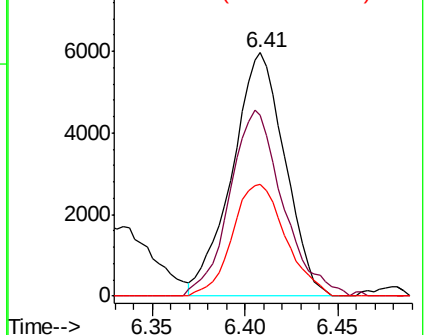
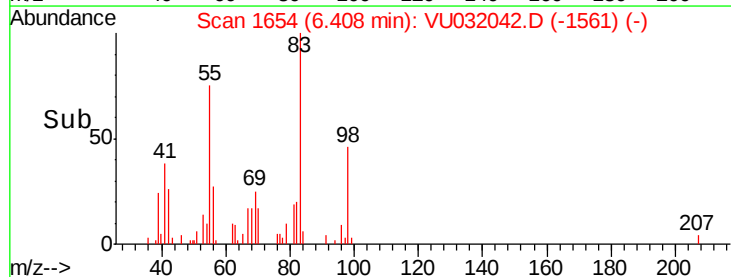


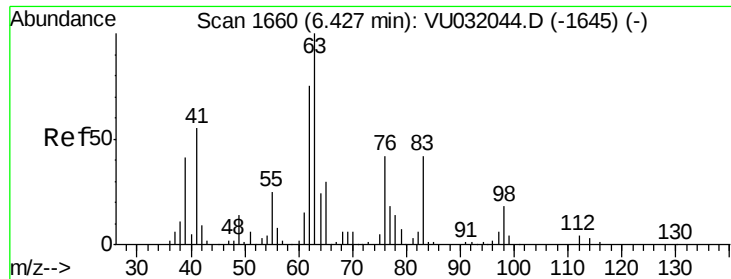
#35
 Methylcyclohexane
 Concen: 0.466 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion:	83	Resp:	11794
Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.7	89.5
98	46.3	36.8	55.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

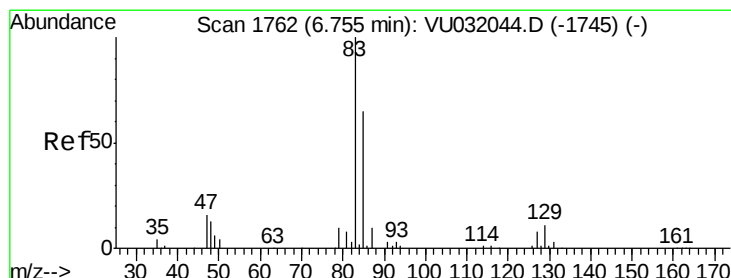
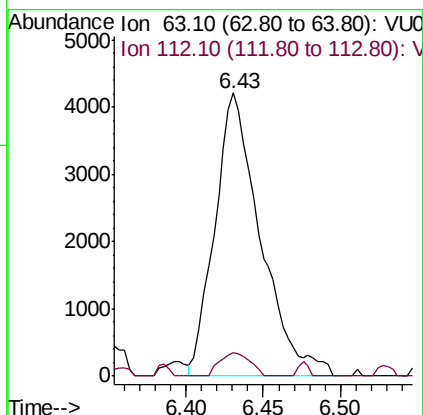
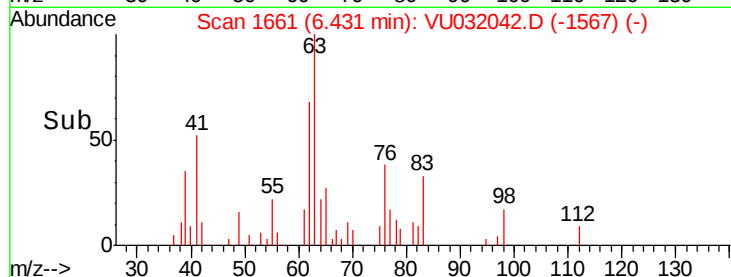
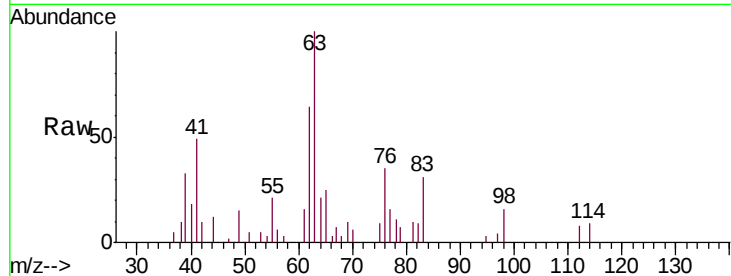




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

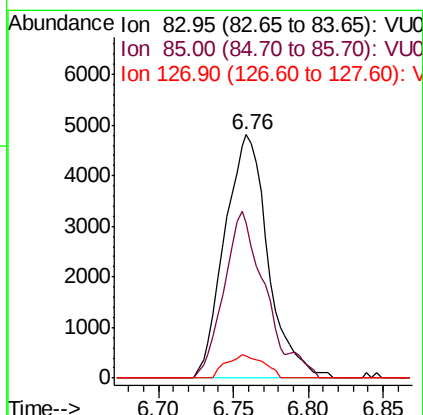
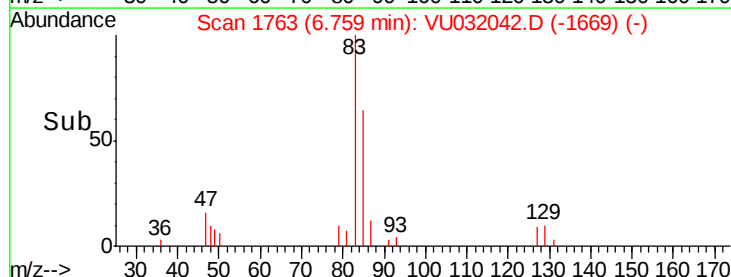
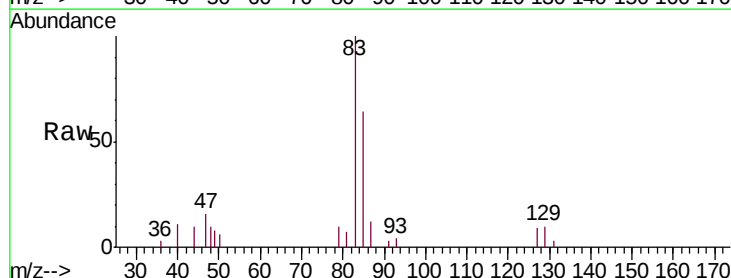
Instrument :
 MSVOA_U
 ClientSampleID :
 SV1DL

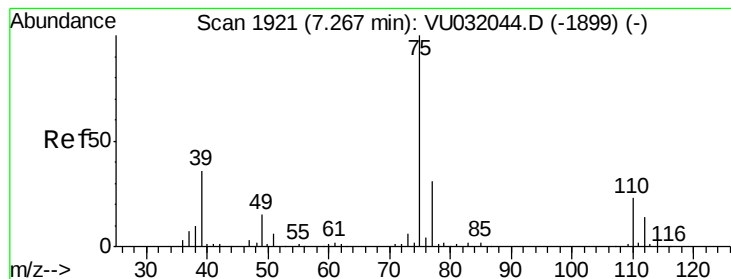
Tgt Ion: 63 Resp: 8640
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.473 ug/L
 RT: 6.76 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion: 83 Resp: 9714
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.5 84.5
 127 9.2 6.3 9.5



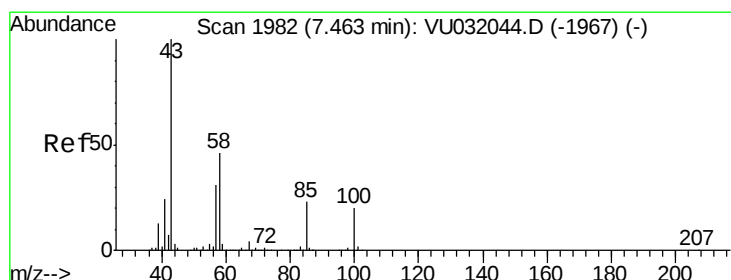
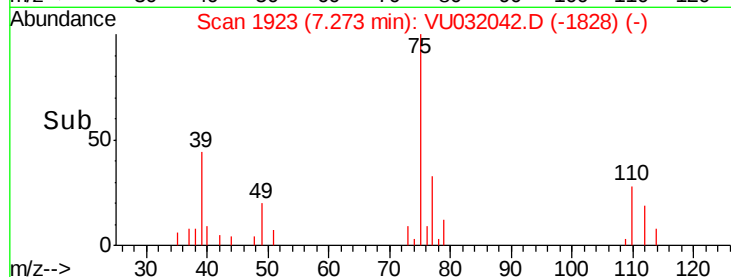
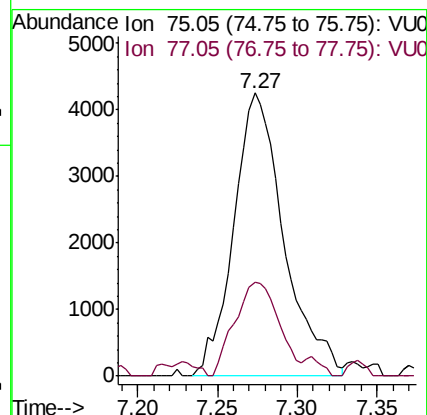
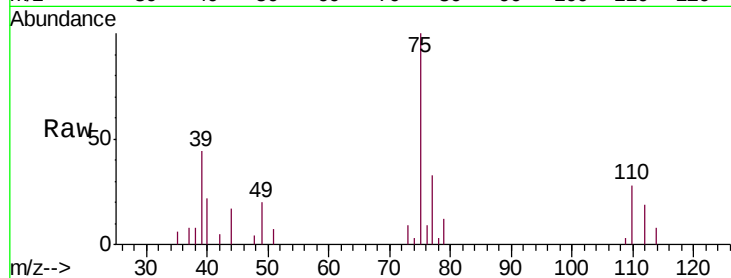


#39

cis-1,3-Dichloropropene
 Concen: 0.415 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Instrument :
 MSVOA_U
 ClientSampleID :
 SV1DL

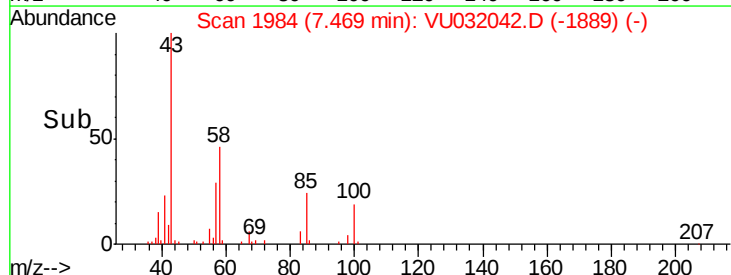
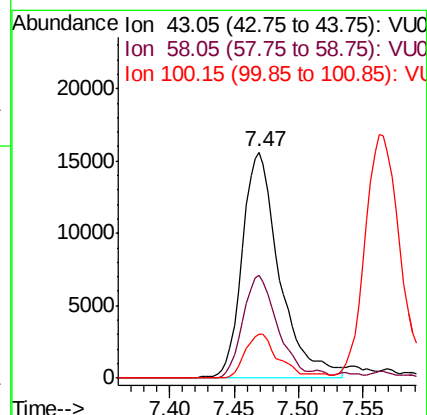
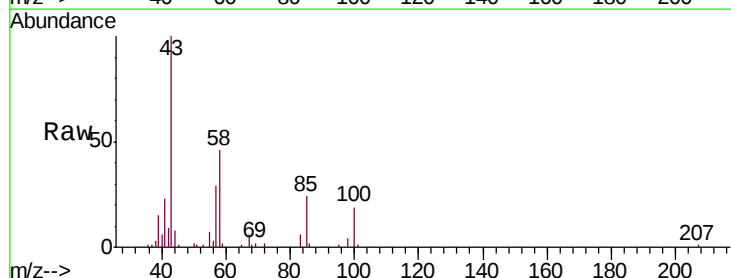
Tgt Ion: 75 Resp: 9155
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.7 40.3

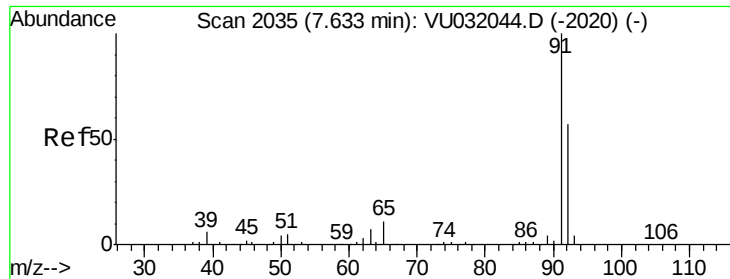


#40

4-Methyl-2-pentanone
 Concen: 3.507 ug/L
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion: 43 Resp: 31482
 Ion Ratio Lower Upper
 43 100
 58 41.7 37.3 55.9
 100 16.9 15.5 23.3





#42

Toluene

Concen: 0.428 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

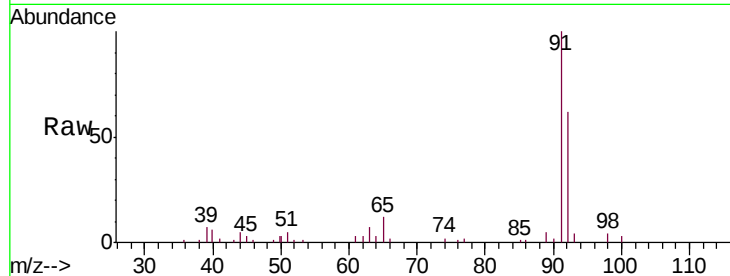
SV1DL

Tgt Ion: 91 Resp: 29672

Ion Ratio Lower Upper

91 100

92 62.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032044.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032044.D (-2020) (-)

7.64

15000

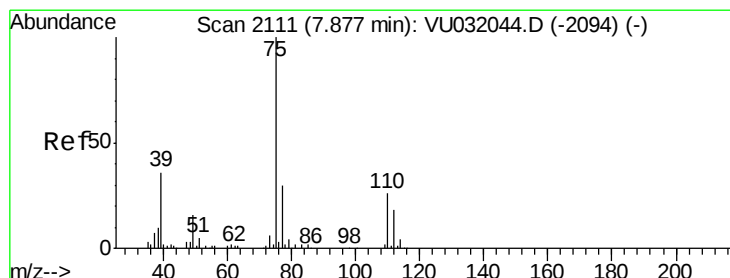
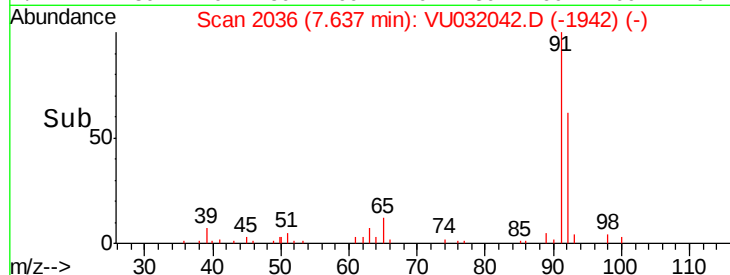
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU032042.D

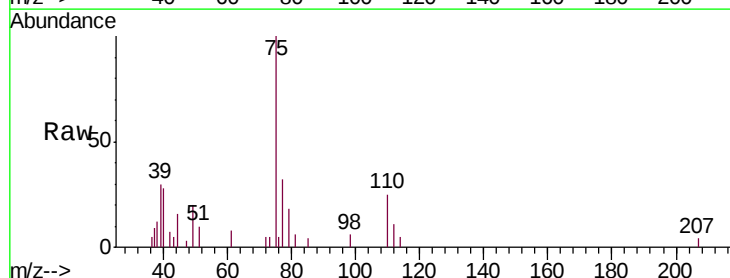
Acq: 16 May 2019 12:14

Tgt Ion: 75 Resp: 6695

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032044.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032044.D (-2094) (-)

7.89

4000

3000

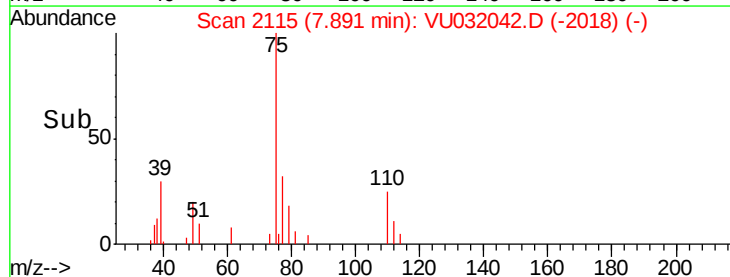
2000

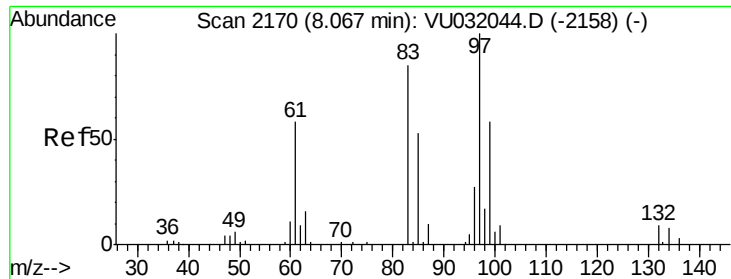
1000

0

7.80 7.85 7.90

Time-->

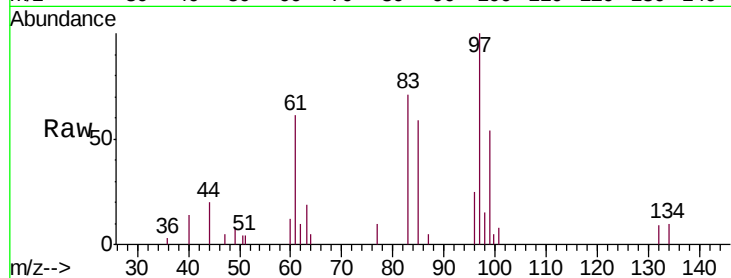




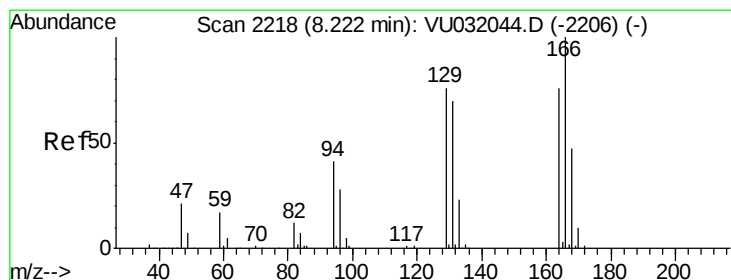
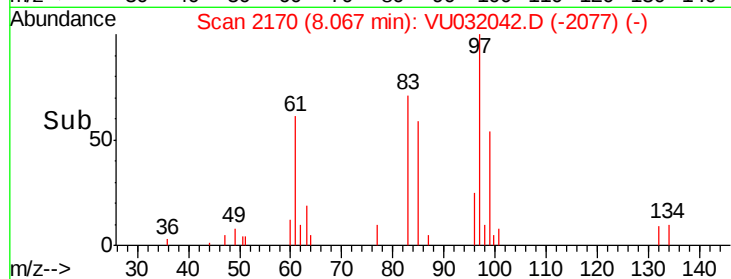
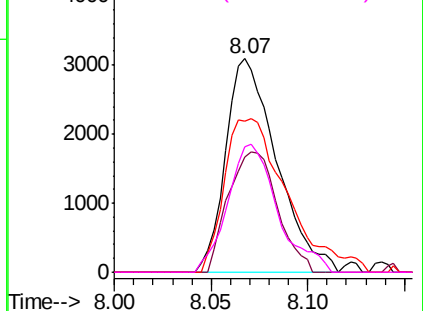
#45
 1,1,2-Trichloroethane
 Concen: 0.476 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

Tgt Ion:	97	Resp:	5672
Ion	Ratio	Lower	Upper
97	100		
99	53.8	40.7	75.7
83	71.0	59.6	110.8
85	58.9	37.3	69.3

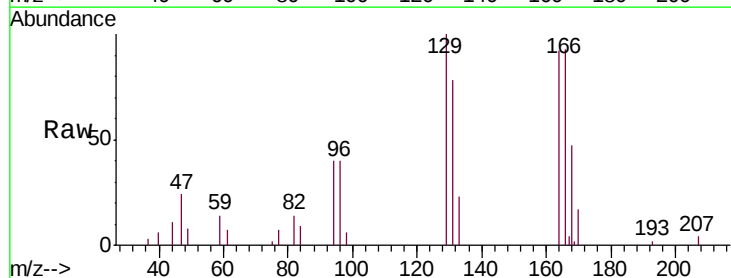


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

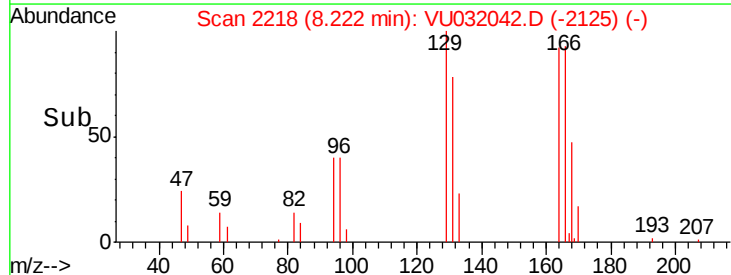
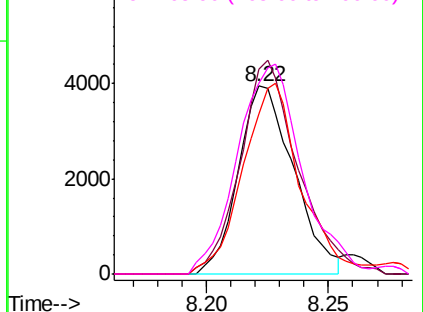


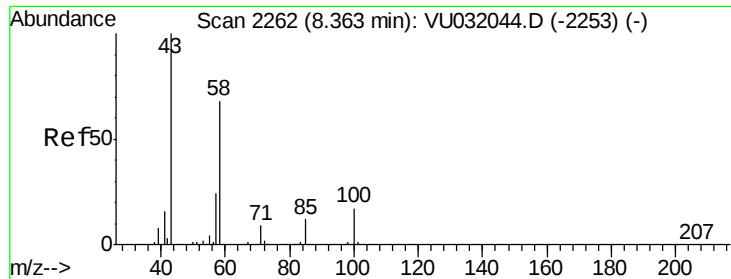
#47
 Tetrachloroethene
 Concen: 0.490 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion:	164	Resp:	6232
Ion	Ratio	Lower	Upper
164	100		
129	108.9	70.3	130.5
131	85.2	64.5	119.9
166	101.3	92.3	171.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

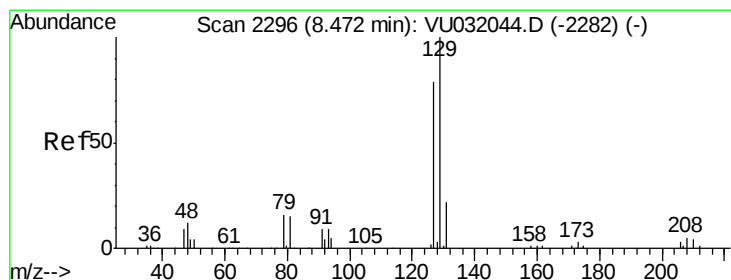
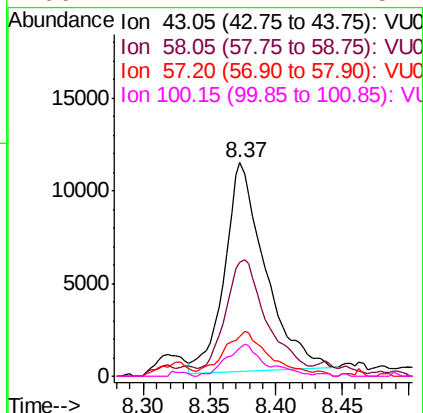
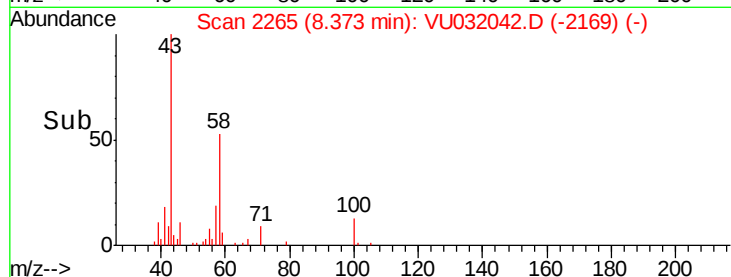
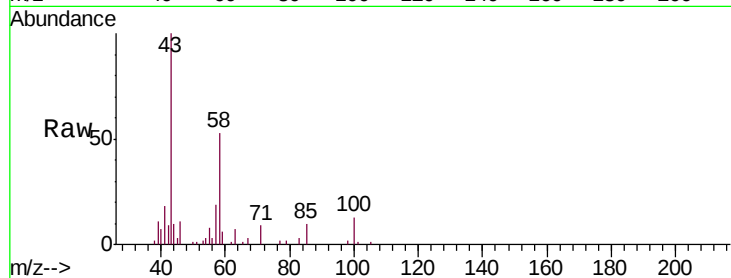




#48
2-Hexanone
Concen: 3.537 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

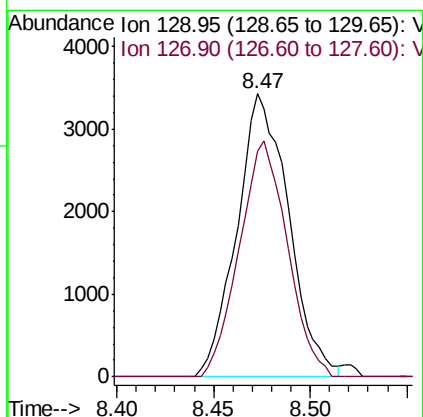
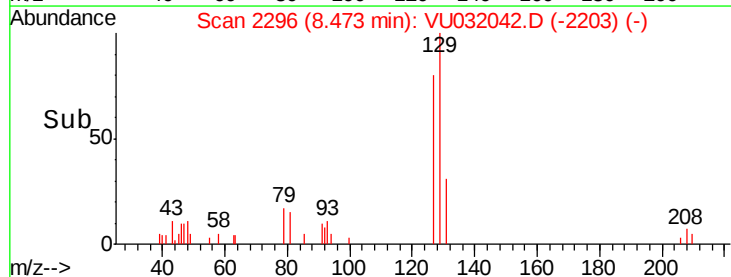
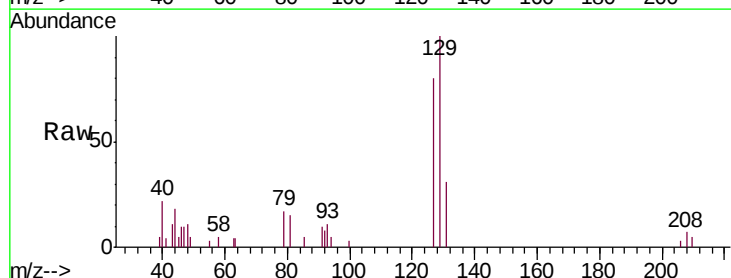
Instrument :
MSVOA_U
ClientSampleId :
SV1DL

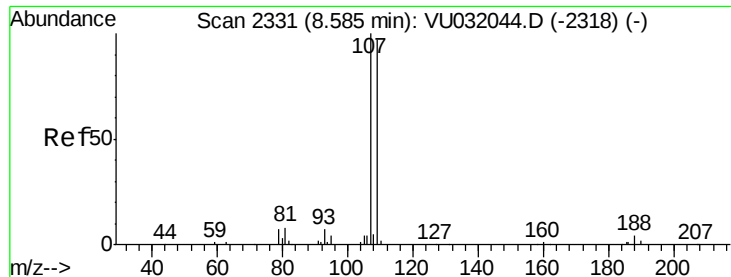
Tgt Ion:	43	Resp:	23973
Ion	Ratio	Lower	Upper
43	100		
58	53.0	51.6	77.4
57	20.3	18.4	27.6
100	14.7	12.2	18.4



#49
Dibromochloromethane
Concen: 0.491 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion:	129	Resp:	6368
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.2	102.6

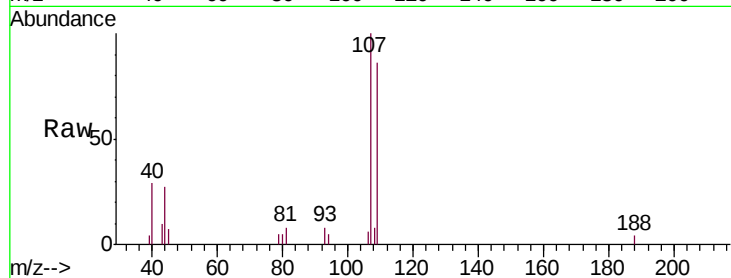




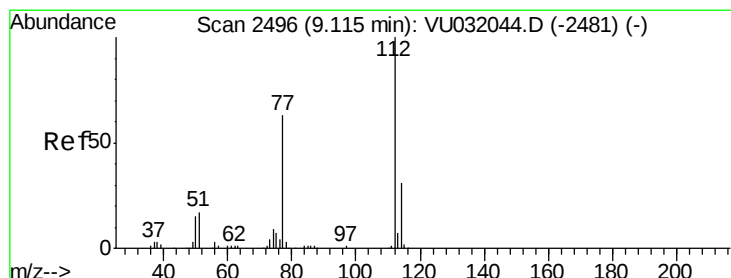
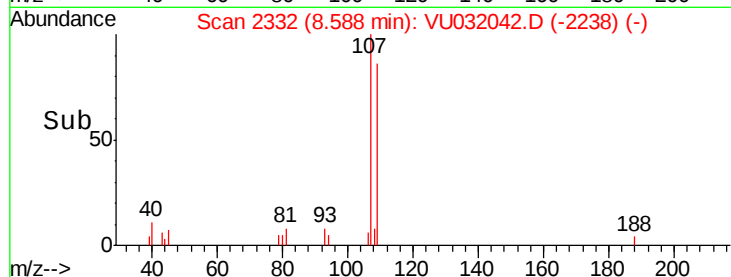
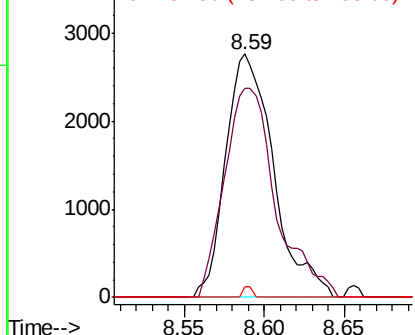
#50
1,2-Dibromoethane
Concen: 0.518 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Instrument :
MSVOA_U
ClientSampleId :
SV1DL

Tgt Ion:107 Resp: 5665
Ion Ratio Lower Upper
107 100
109 85.9 67.8 125.8
188 4.2 3.5 5.3

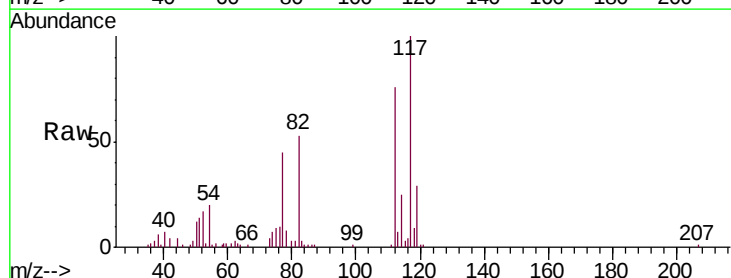


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

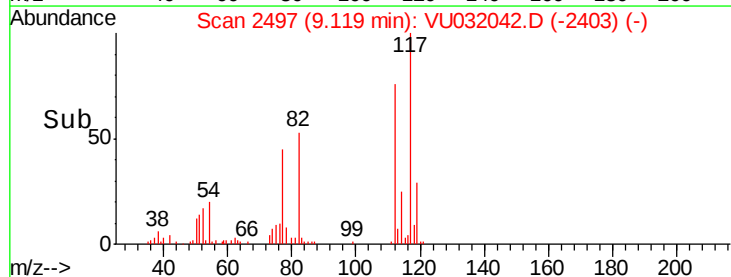
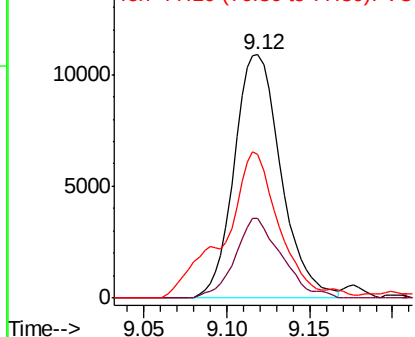


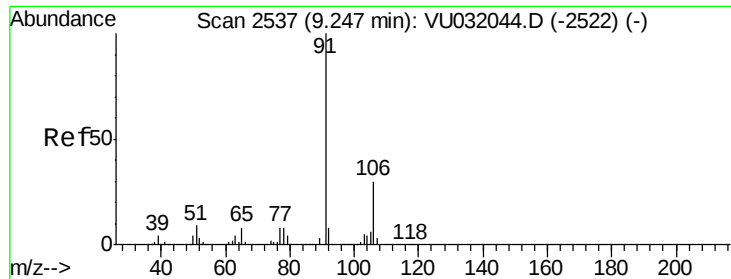
#51
Chlorobenzene
Concen: 0.504 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion:112 Resp: 21434
Ion Ratio Lower Upper
112 100
114 32.7 21.6 40.2
77 59.1 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.433 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

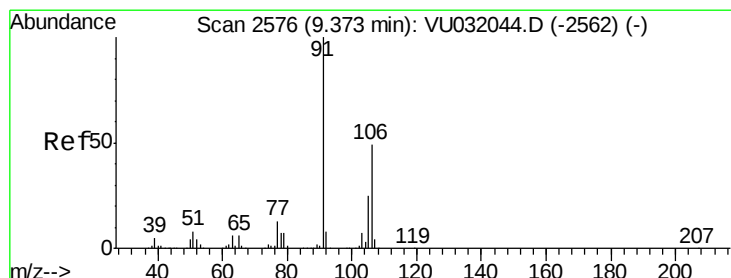
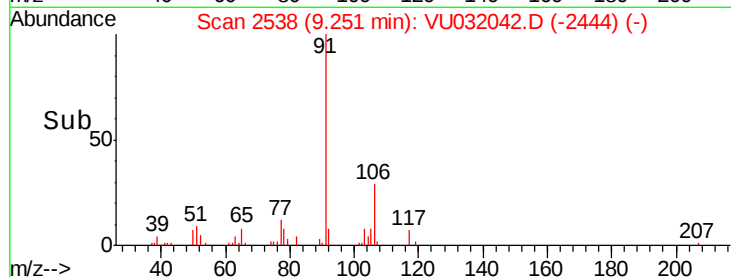
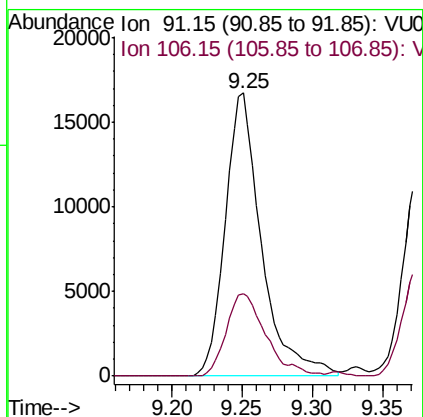
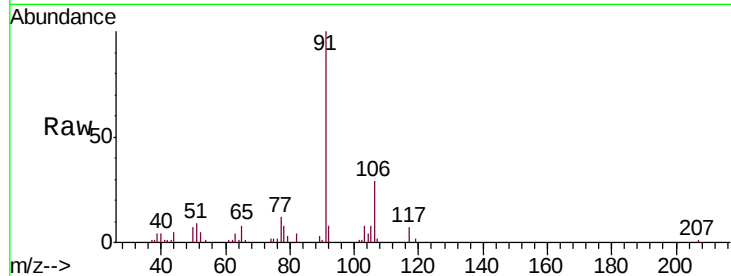
SV1DL

Tgt Ion: 91 Resp: 30118

Ion Ratio Lower Upper

91 100

106 29.2 21.3 39.6



#53

m,p-Xylene

Concen: 0.413 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032042.D

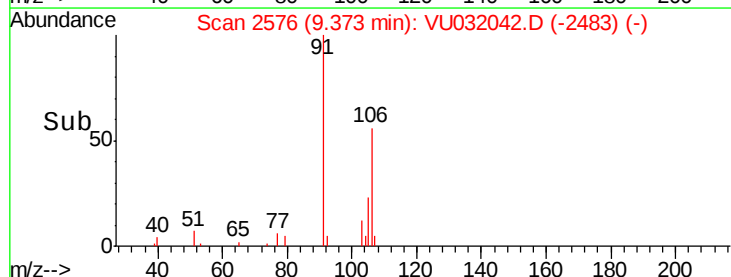
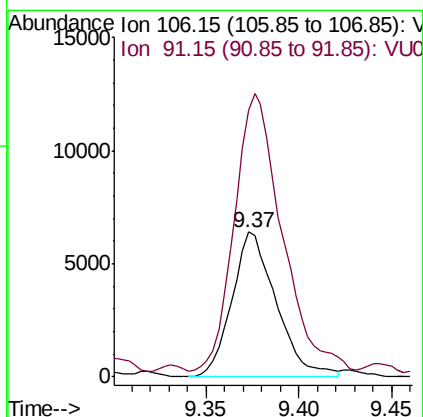
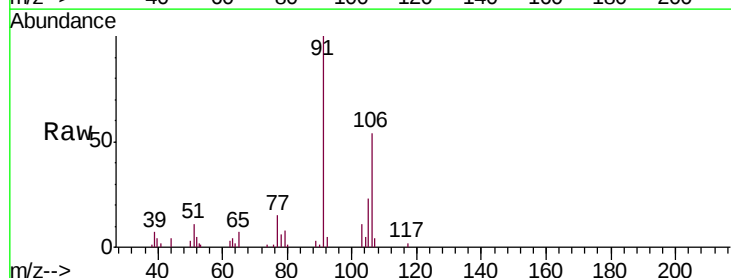
Acq: 16 May 2019 12:14

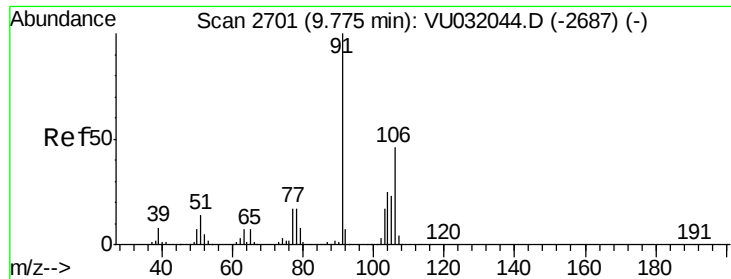
Tgt Ion: 106 Resp: 10604

Ion Ratio Lower Upper

106 100

91 183.9 143.1 265.9

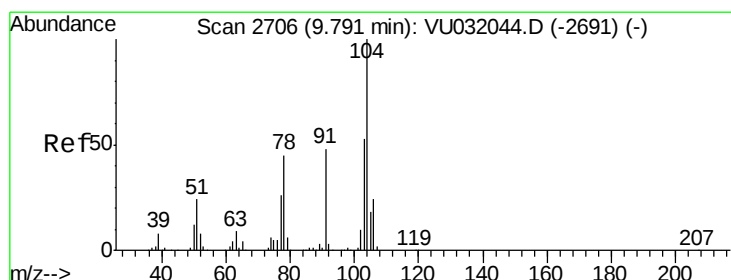
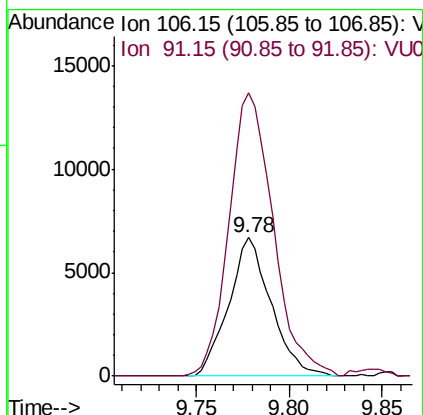
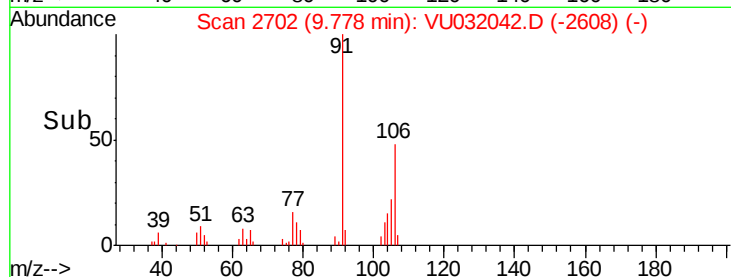
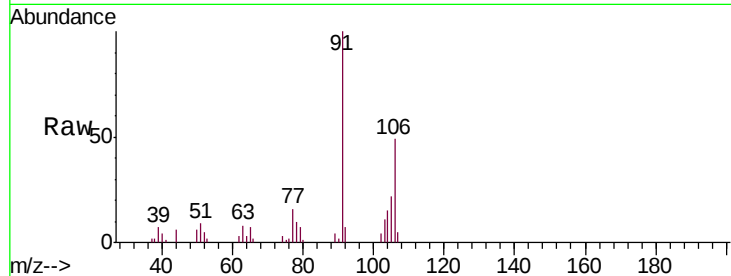




#54
o-Xylene
Concen: 0.426 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

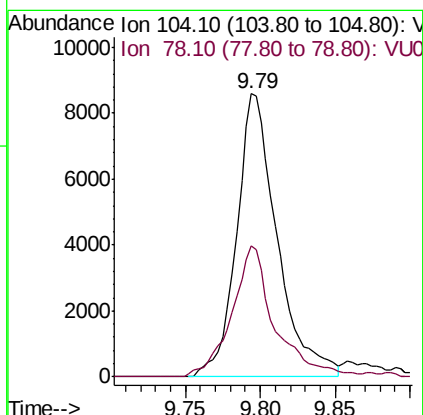
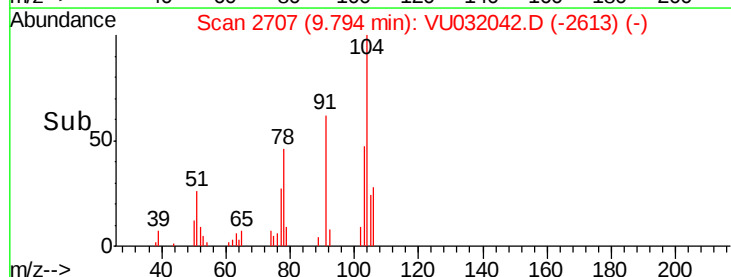
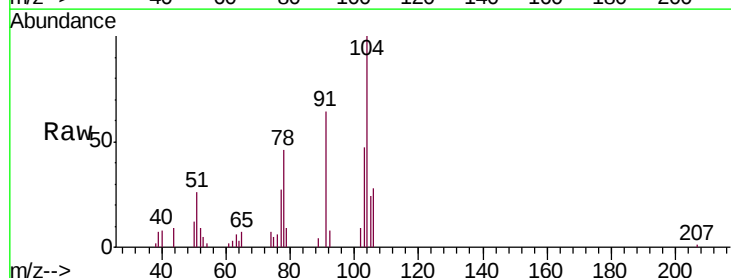
Instrument :
MSVOA_U
ClientSampleId :
SV1DL

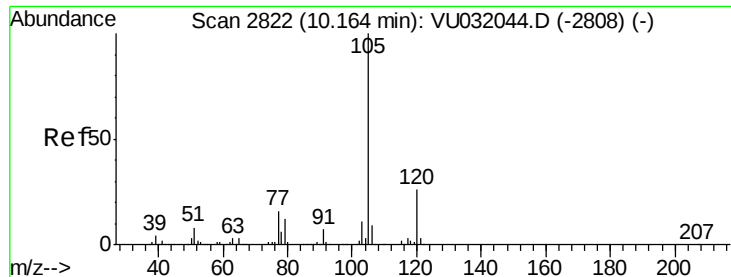
Tgt Ion:106 Resp: 10630
Ion Ratio Lower Upper
106 100
91 204.9 152.9 283.9



#55
Styrene
Concen: 0.400 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU032042.D
Acq: 16 May 2019 12:14

Tgt Ion:104 Resp: 16231
Ion Ratio Lower Upper
104 100
78 46.4 31.2 58.0





#56

Isopropylbenzene

Concen: 0.406 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

SV1DL

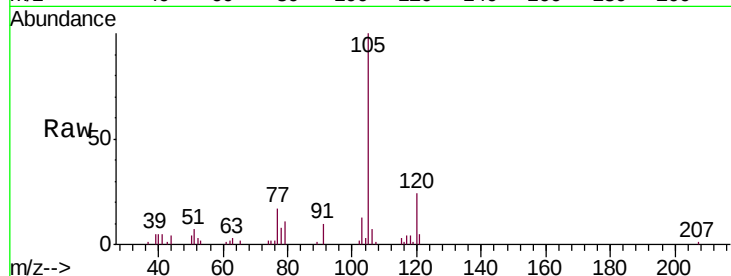
Tgt Ion:105 Resp: 25793

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

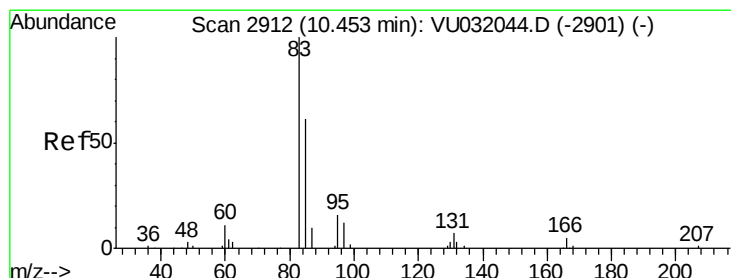
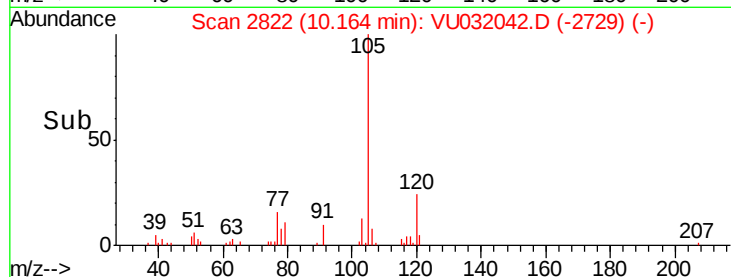
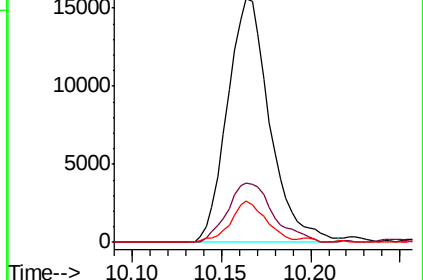
77 14.4 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.498 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

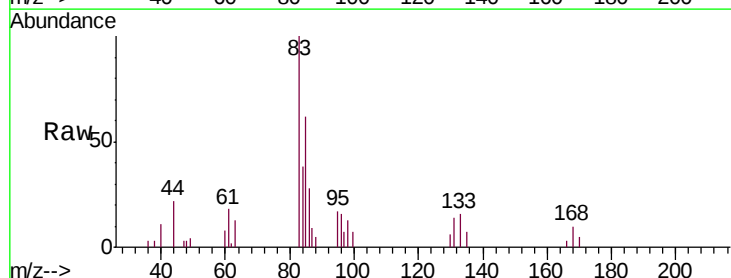
Tgt Ion: 83 Resp: 7315

Ion Ratio Lower Upper

83 100

85 62.4 44.3 82.3

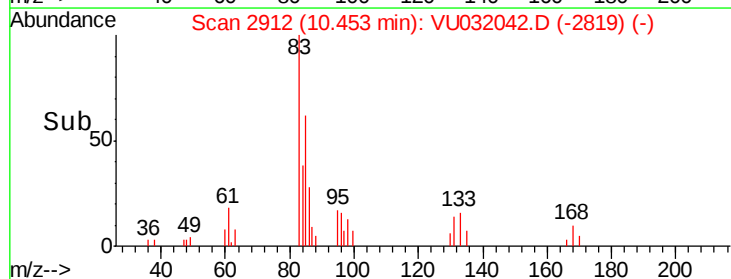
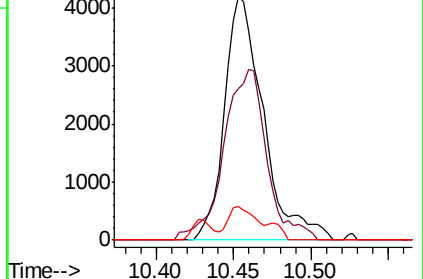
131 13.8 7.4 11.2#

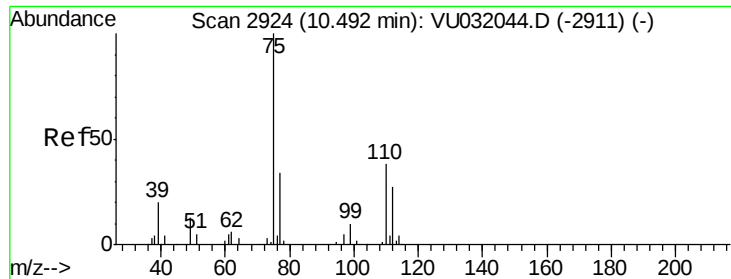


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

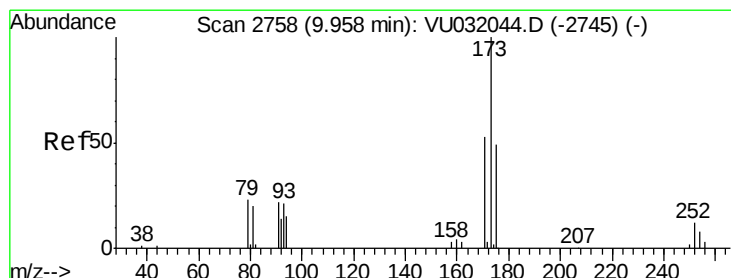
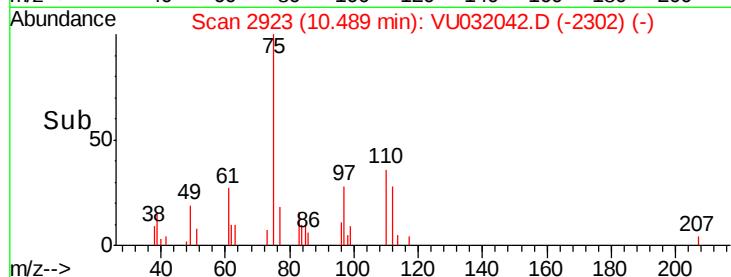
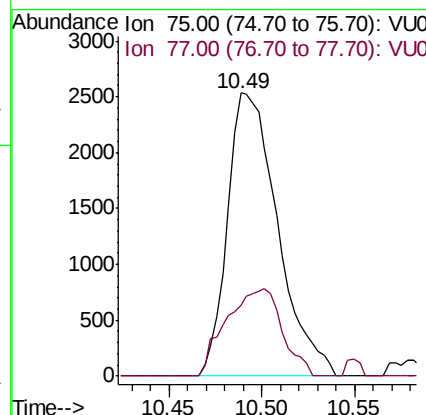
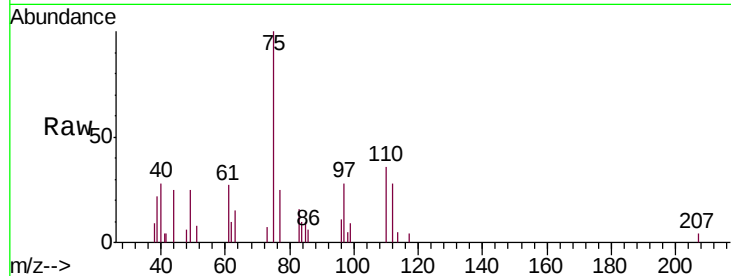




#59
 1,2,3-Trichloropropane
 Concen: 0.461 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

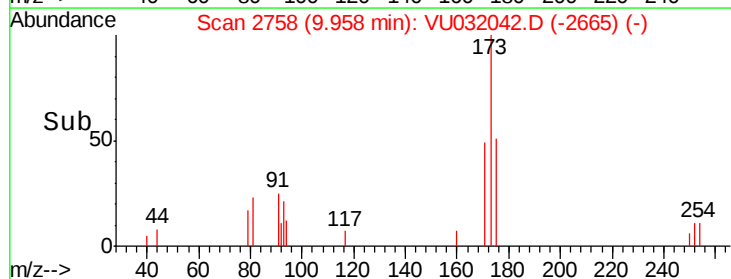
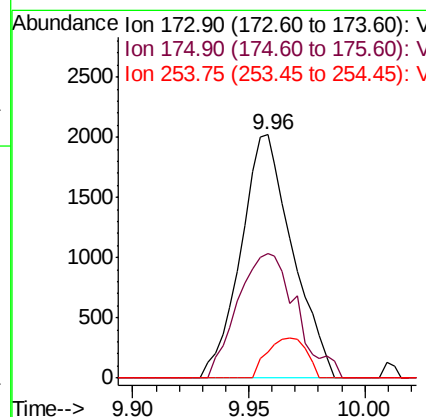
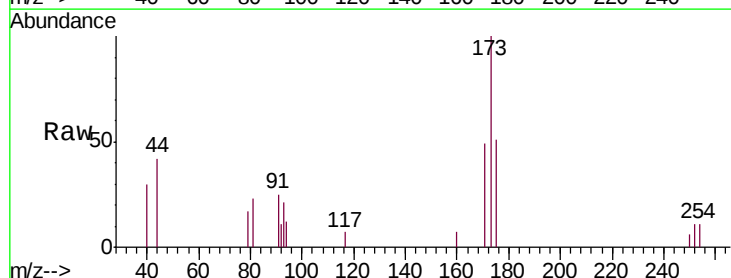
Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

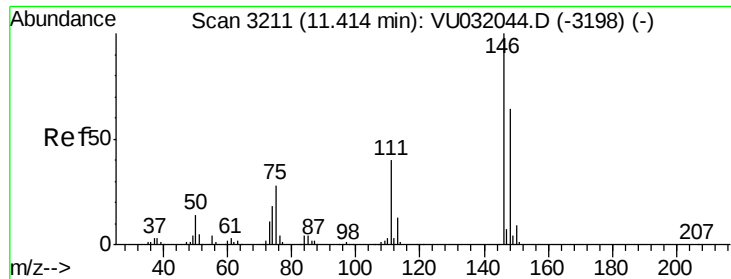
Tgt Ion: 75 Resp: 4761
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.2 39.2



#61
 Bromoform
 Concen: 0.470 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion: 173 Resp: 3125
 Ion Ratio Lower Upper
 173 100
 175 58.2 38.0 57.0#
 254 12.4 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.490 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

SV1DL

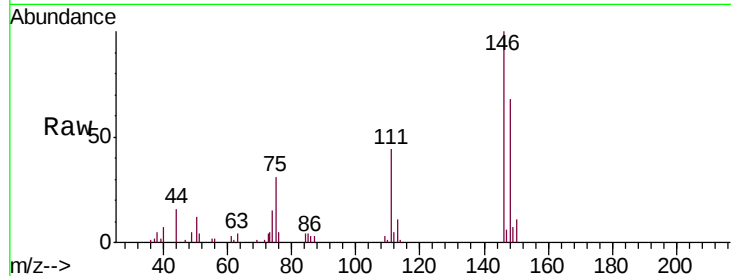
Tgt Ion:146 Resp: 14075

Ion Ratio Lower Upper

146 100

111 43.7 27.7 51.5

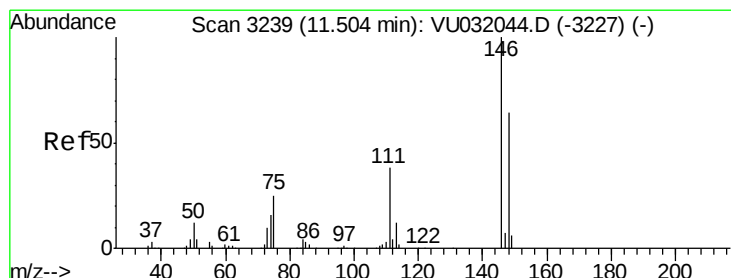
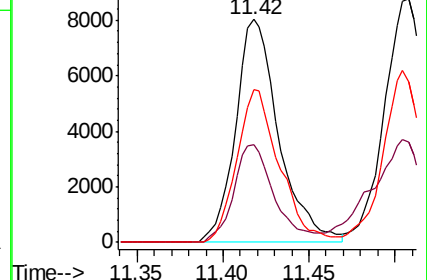
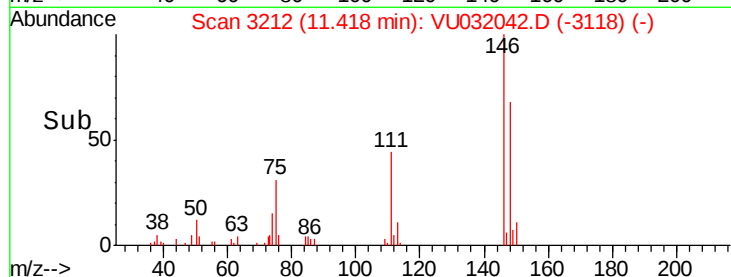
148 68.4 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.480 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

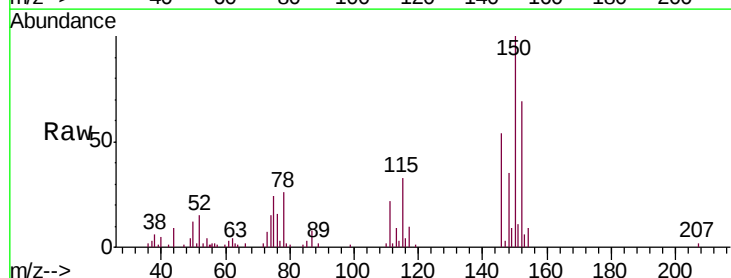
Tgt Ion:146 Resp: 14078

Ion Ratio Lower Upper

146 100

111 41.1 27.1 50.3

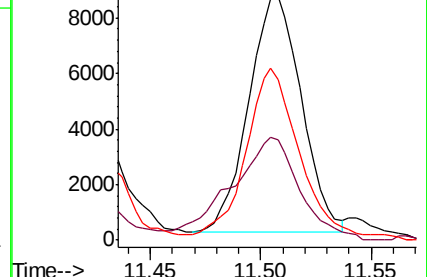
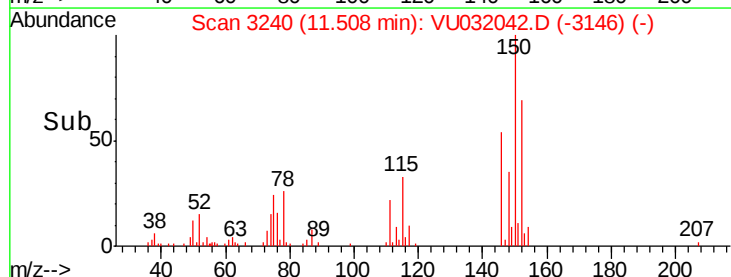
148 66.0 45.4 84.4

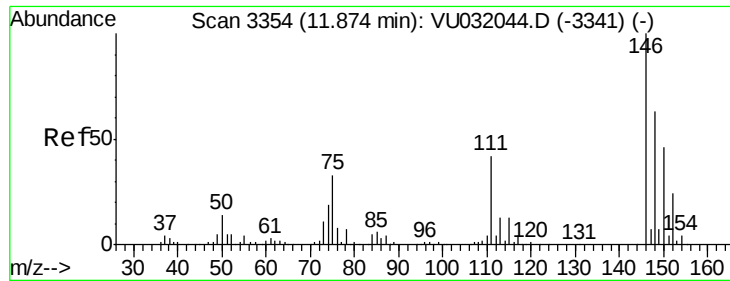


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.478 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleID :

SV1DL

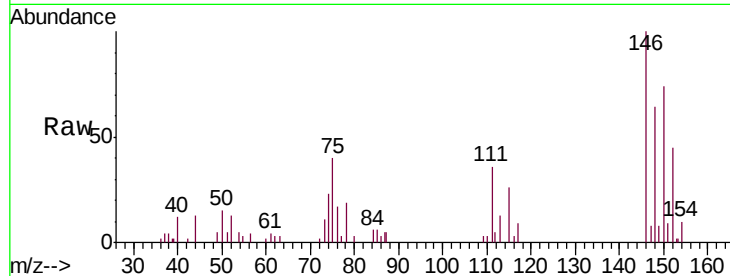
Tgt Ion:146 Resp: 13604

Ion Ratio Lower Upper

146 100

111 36.5 33.5 50.3

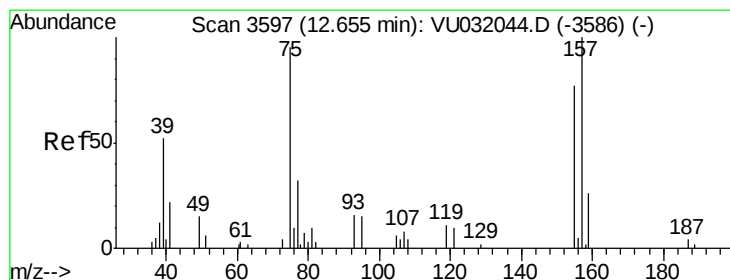
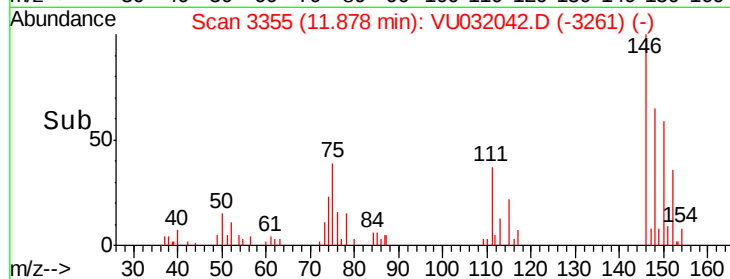
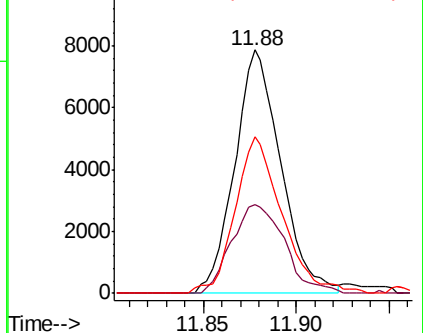
148 64.3 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.363 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

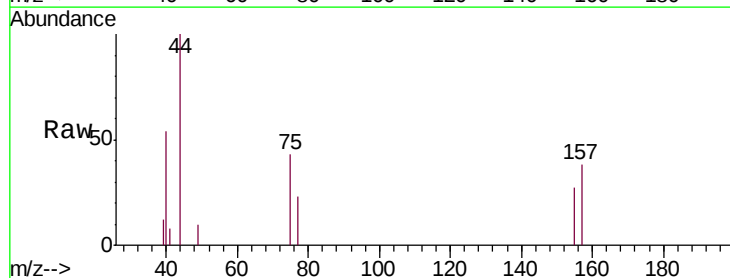
Tgt Ion: 75 Resp: 719

Ion Ratio Lower Upper

75 100

155 62.9 65.0 97.6#

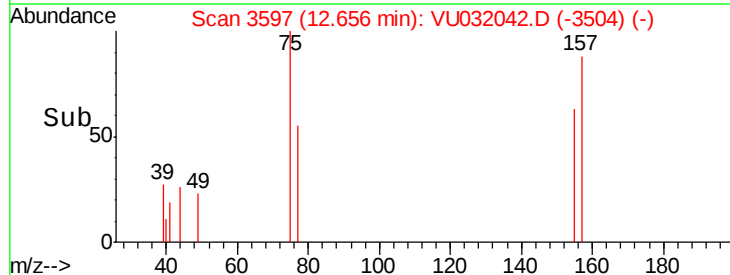
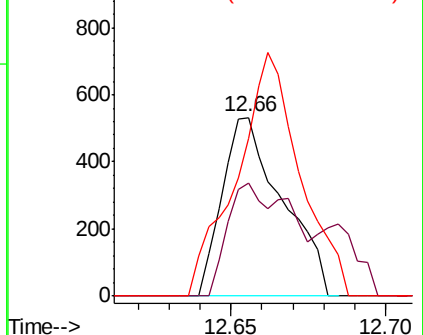
157 88.2 84.3 126.5

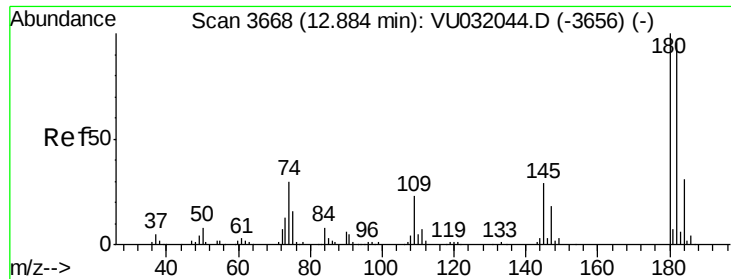


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

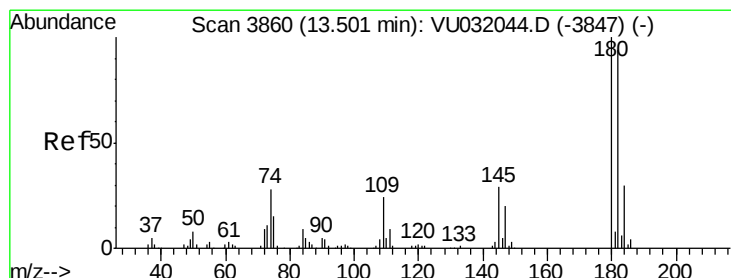
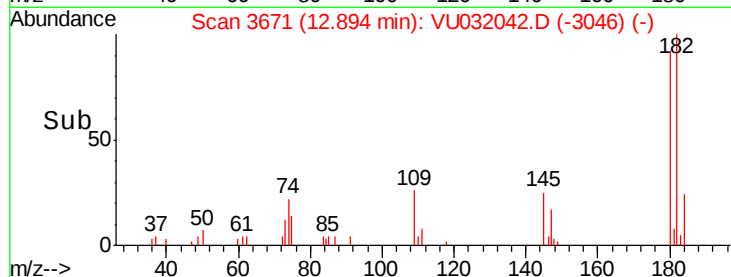
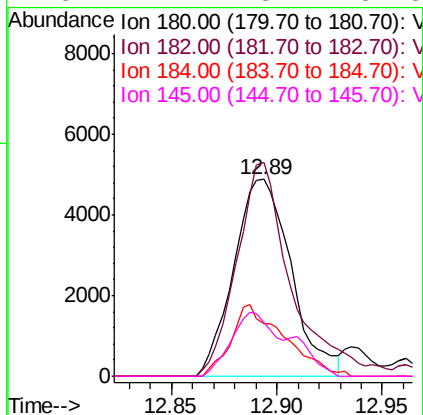
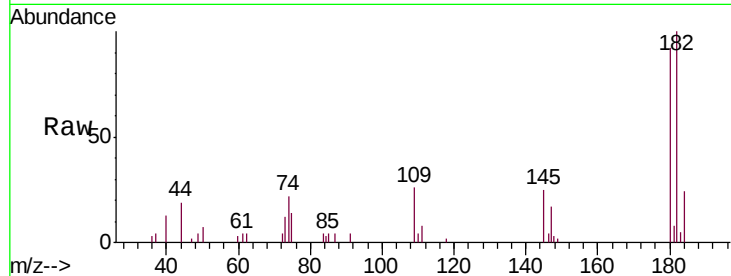




#67
 1,3,5-Trichlorobenzene
 Concen: 0.443 ug/L
 RT: 12.89 min Scan# 3671
 Delta R.T. 0.01 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

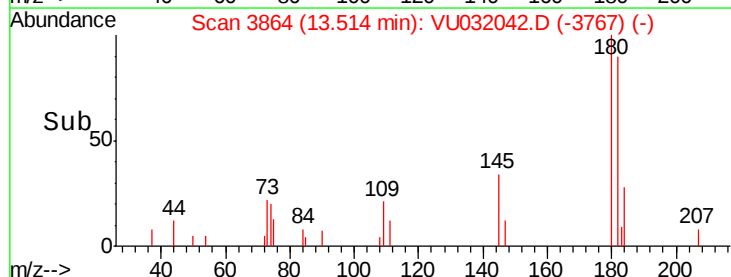
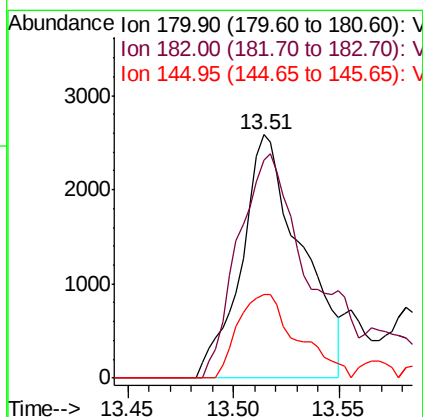
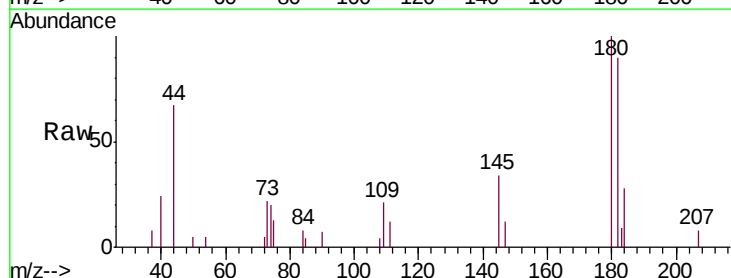
Instrument :
 MSVOA_U
 ClientSampleId :
 SV1DL

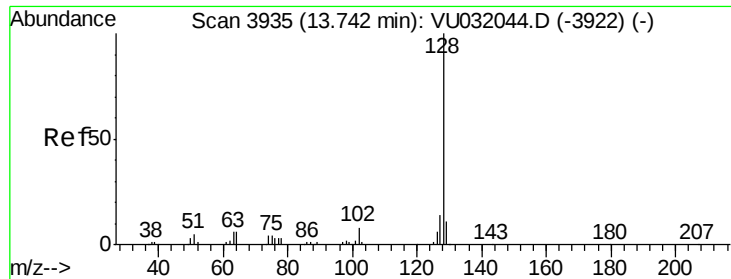
Tgt Ion:	180	Resp:	9221
Ion	Ratio	Lower	Upper
180	100		
182	104.0	77.3	115.9
184	33.9	24.5	36.7
145	24.7	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.357 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.01 min
 Lab File: VU032042.D
 Acq: 16 May 2019 12:14

Tgt Ion:	180	Resp:	5098
Ion	Ratio	Lower	Upper
180	100		
182	110.3	78.4	117.6
145	34.2	23.5	35.3





#69

Naphthalene

Concen: 0.152 ug/L

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Instrument :

MSVOA_U

ClientSampleId :

SV1DL

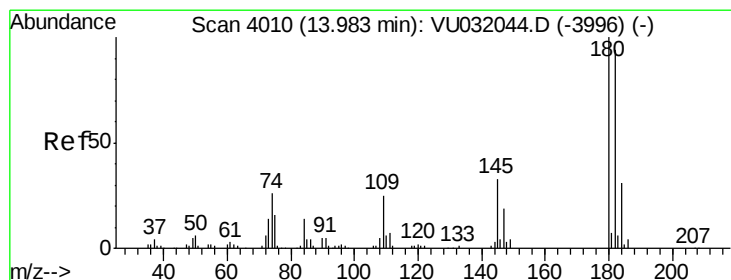
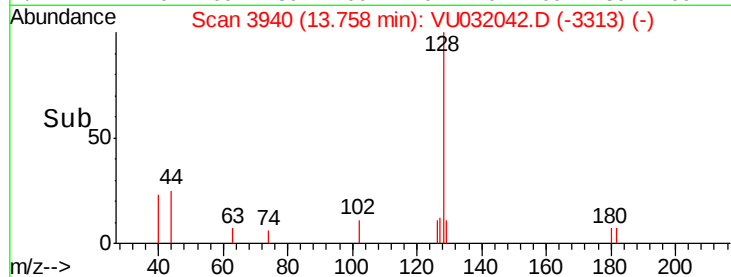
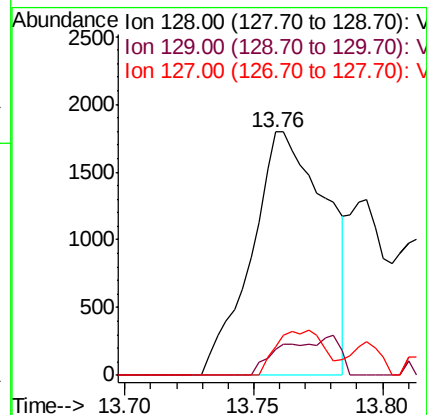
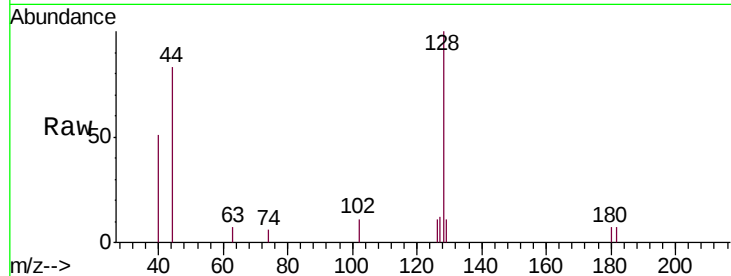
Tgt Ion:128 Resp: 3643

Ion Ratio Lower Upper

128 100

129 5.8 8.0 12.0#

127 0.0 10.1 15.1#



#70

1,2,3-Trichlorobenzene

Concen: 0.332 ug/L

RT: 14.00 min Scan# 4015

Delta R.T. 0.02 min

Lab File: VU032042.D

Acq: 16 May 2019 12:14

Tgt Ion:180 Resp: 4838

Ion Ratio Lower Upper

180 100

182 87.6 75.3 112.9

145 38.2 25.2 37.8#

