

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037619.D
 Acq On : 09 Apr 2020 15:44
 Operator : JC/MD
 Sample : L2189-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 03:14:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 03:10:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	1569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	1257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	508	37.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.08%
7) Chloroethane-d5	2.23	69	137	12.36	ug/L	0.30
Spiked Amount	50.000	Range	70 - 130	Recovery	=	24.72%#
11) 1,1-Dichloroethene-d2	2.59	63	222	9.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	19.86%#
21) 2-Butanone-d5	4.68	46	43	3.87	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	3.87%#
24) Chloroform-d	5.35	84	41	1.99	ug/L	0.24
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.98%#
26) 1,2-Dichloroethane-d4	5.73	65	588	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.98%
32) Benzene-d6	5.76	84	378	14.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	29.94%#
36) 1,2-Dichloropropane-d6	6.73	67	124	14.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	29.52%#
41) Toluene-d8	7.93	98	1633	69.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	139.54%#
43) trans-1,3-Dichloropropene-	8.20	79	181	39.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.70%
47) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	296	24.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	49.88%#
64) 1,2-Dichlorobenzene-d4	12.20	152	812	31.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.08%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	245	19.934	ug/L # 43
3) Chloromethane	1.53	50	1060	73.742	ug/L 87
5) Vinyl chloride	1.62	62	135	8.974	ug/L # 1
6) Bromomethane	1.87	94	69	8.715	ug/L 76
8) Chloroethane	1.98	64	151	16.909	ug/L # 61
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	75	7.583	ug/L # 1
12) 1,1-Dichloroethene	2.60	96	324	32.303	ug/L # 84
13) Acetone	2.66	43	2117	322.551	ug/L 87
14) Carbon disulfide	2.82	76	1911	55.618	ug/L # 83
15) Methyl Acetate	2.97	43	87	5.574	ug/L # 53
16) Methylene chloride	3.07	84	73	6.371	ug/L # 1
17) trans-1,2-Dichloroethene	3.39	96	331	30.761	ug/L # 46
19) 1,1-Dichloroethane	3.91	63	594	28.158	ug/L # 59
20) cis-1,2-Dichloroethene	4.71	96	101	8.537	ug/L 77
22) 2-Butanone	4.75	43	93	8.096	ug/L # 49
25) Chloroform	5.13	83	95	4.786	ug/L 76
29) Cyclohexane	5.43	56	310	26.274	ug/L # 48

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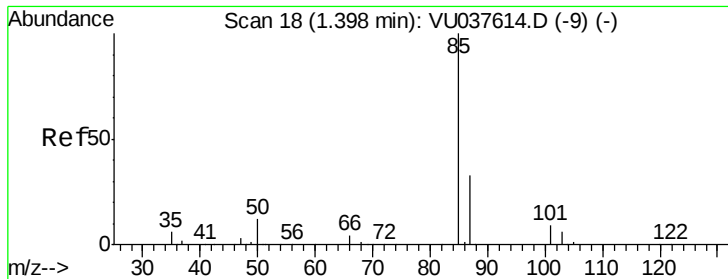
Instrument :
 MSVOA_U
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Quant Time: Apr 10 03:14:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) 1,1,1-Trichloroethane	5.36	97	2437	250.587	ug/L	95
31) Carbon tetrachloride	5.41	117	48	6.080	ug/L #	2
33) Benzene	5.80	78	170	6.511	ug/L	100
34) Trichloroethene	6.57	95	195	30.338	ug/L #	57
35) Methylcyclohexane	6.79	83	351	30.776	ug/L #	68
38) Bromodichloromethane	7.14	83	66	7.473	ug/L #	78
39) cis-1,3-Dichloropropene	7.63	75	161	13.710	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	536	42.065	ug/L #	83
42) Toluene	7.99	91	423	15.250	ug/L	85
44) trans-1,3-Dichloropropene	8.24	75	173	15.198	ug/L #	1
45) 1,1,2-Trichloroethane	8.41	97	42	6.561	ug/L #	15
46) Tetrachloroethene	8.57	164	75	15.683	ug/L #	84
48) 2-Hexanone	8.71	43	1773	176.219	ug/L #	70
49) Dibromochloromethane	8.58	129	103	15.004	ug/L #	10
51) Chlorobenzene	9.47	112	601	34.696	ug/L	95
52) Ethylbenzene	9.59	91	709	22.799	ug/L	99
53) m,p-Xylene	9.71	106	262	22.188	ug/L #	54
54) o-xylene	10.12	106	45	3.843	ug/L	97
55) Styrene	10.13	104	512	25.215	ug/L #	31
56) Isopropylbenzene	10.50	105	452	14.823	ug/L #	57
58) 1,1,2,2-Tetrachloroethane	10.80	83	63	5.511	ug/L #	60
59) 1,2,3-Trichloropropane	10.84	75	95	9.747	ug/L #	3
62) 1,3-Dichlorobenzene	11.76	146	917	22.664	ug/L	81
63) 1,4-Dichlorobenzene	11.84	146	514	12.662	ug/L	86
65) 1,2-Dichlorobenzene	12.22	146	568	14.245	ug/L #	78
67) 1,3,5-Trichlorobenzene	13.24	180	570	19.267	ug/L #	64
68) 1,2,4-trichlorobenzene	13.86	180	965	33.819	ug/L	84
69) Naphthalene	14.11	128	5944	56.457	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	948	33.345	ug/L	86

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



#2

Dichlorodifluoromethane

Concen: 19.934 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

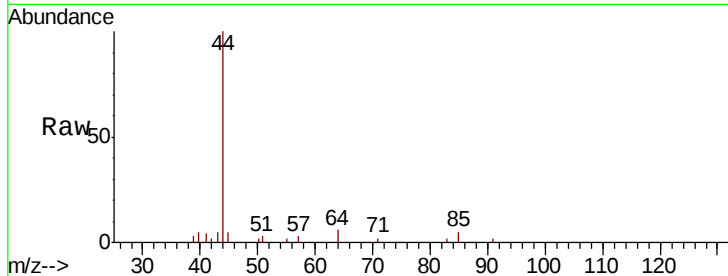
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 245

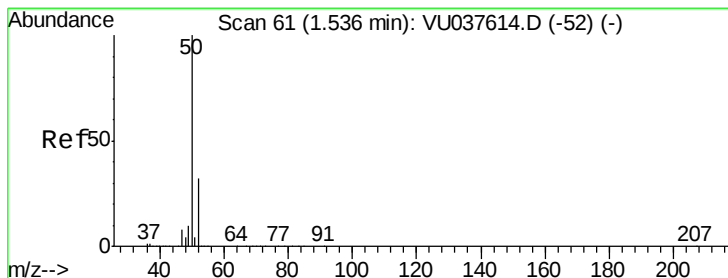
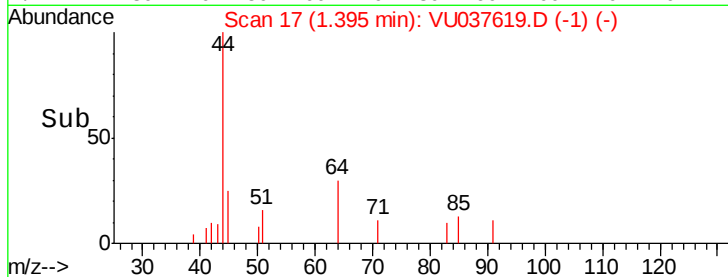
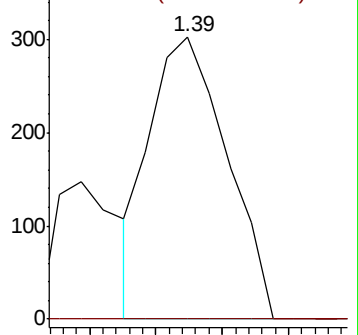
Ion Ratio Lower Upper

85 100

87 0.0 25.4 38.2#



Abundance Ion 85.00 (84.70 to 85.70): VU037619.D (-1) (-)



#3

Chloromethane

Concen: 73.742 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037619.D

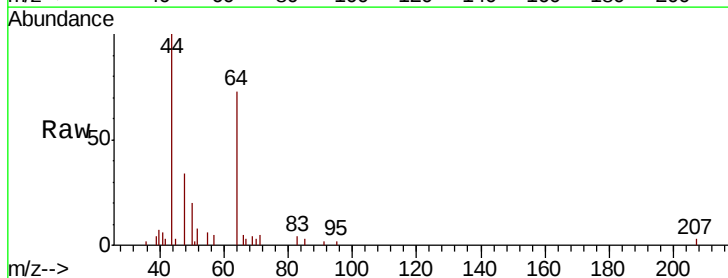
Acq: 09 Apr 2020 15:44

Tgt Ion: 50 Resp: 1060

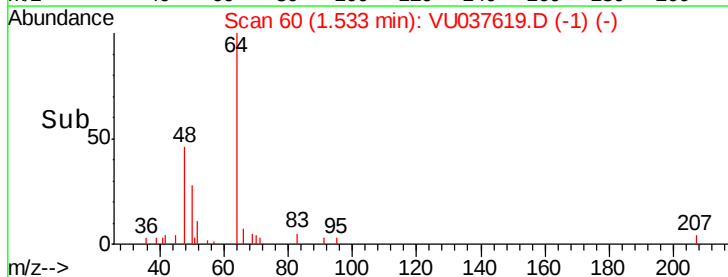
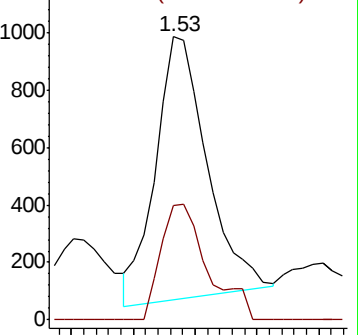
Ion Ratio Lower Upper

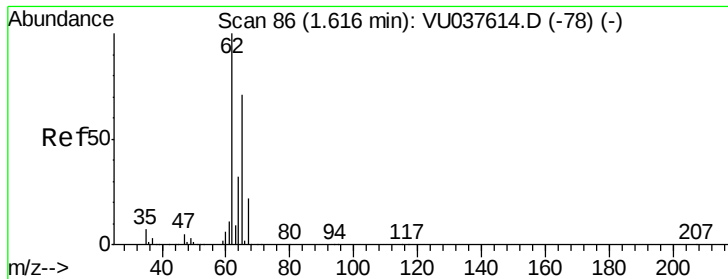
50 100

52 40.5 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037619.D (-1) (-)





#5

Vinyl chloride

Concen: 8.974 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

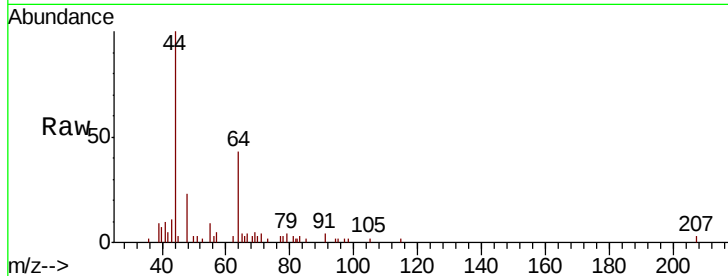
ClientSampled :

Tot Ion: 62 Resp: 135

Ion Ratio Lower Upper

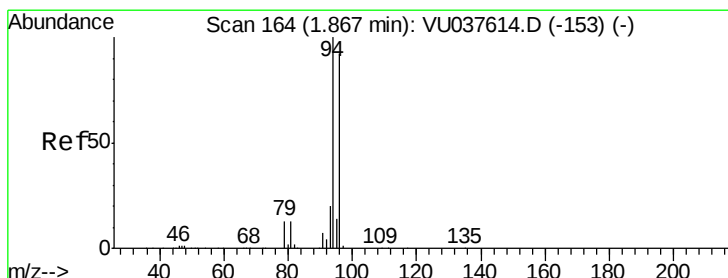
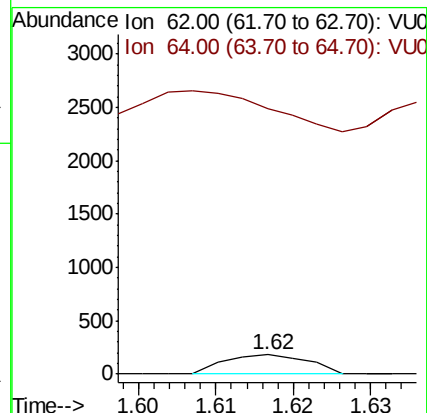
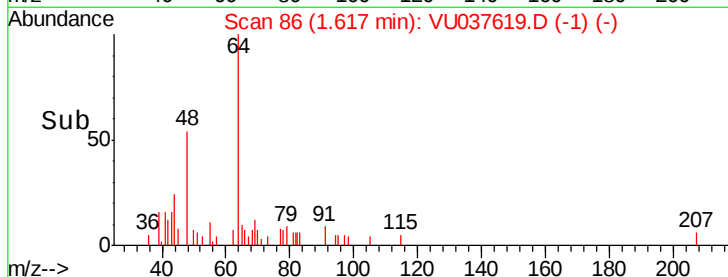
62 100

64 1377.3 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU037619.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037619.D (-1) (-)



#6

Bromomethane

Concen: 8.715 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037619.D

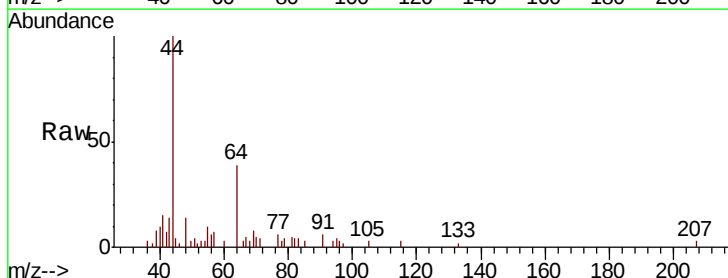
Acq: 09 Apr 2020 15:44

Tgt Ion: 94 Resp: 69

Ion Ratio Lower Upper

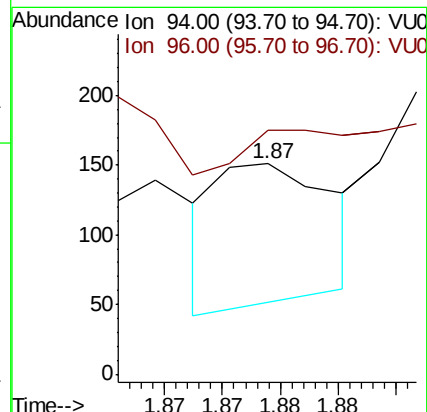
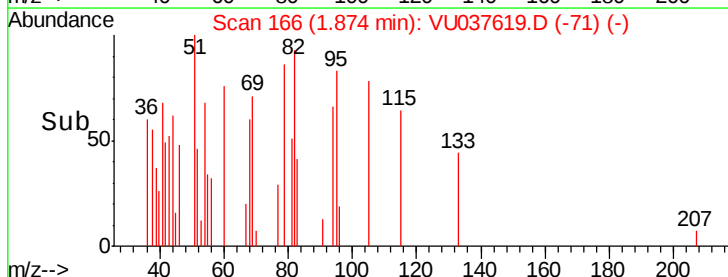
94 100

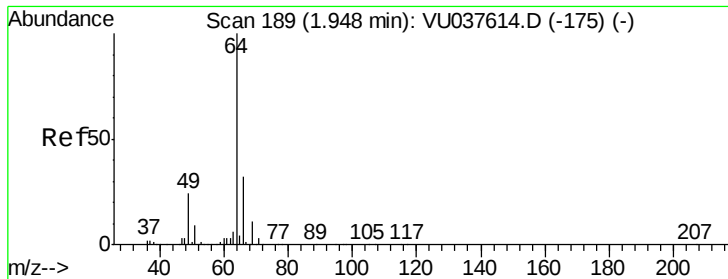
96 115.9 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037619.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU037619.D (-71) (-)





#8

Chloroethane

Concen: 16.909 ug/L

RT: 1.98 min Scan# 200

Delta R.T. 0.04 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

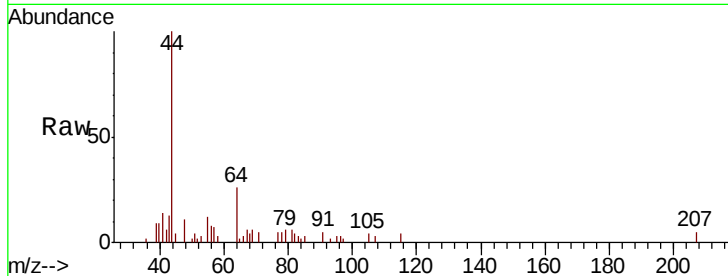
ClientSampleId :

Tot Ion: 64 Resp: 151

Ion Ratio Lower Upper

64 100

66 10.7 22.6 42.0#



Abundance Ion 64.00 (63.70 to 64.70): VU037619.D (-65) (-)

Ion 66.00 (65.70 to 66.70): VU037619.D (-65) (-)

1.98

1500

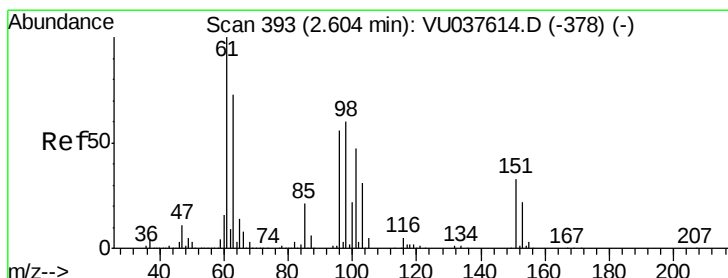
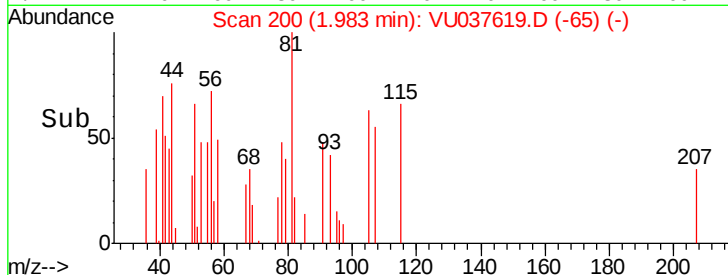
1000

500

0

1.97 1.98 1.99

Time-->



#10

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

Concen: 7.583 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

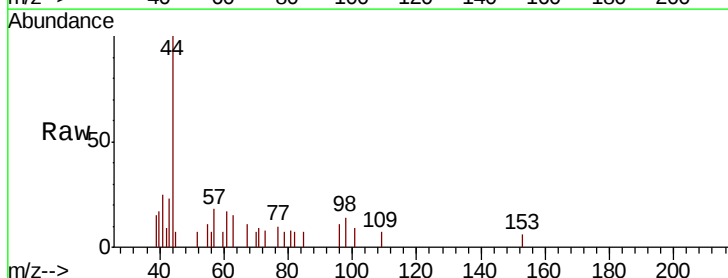
Tgt Ion:101 Resp: 75

Ion Ratio Lower Upper

101 100

85 146.7 34.5 51.7#

151 0.0 56.8 85.2#



Abundance Ion 101.00 (100.70 to 101.70): VU037619.D (-300) (-)

Ion 85.00 (84.70 to 85.70): VU037619.D (-300) (-)

Ion 151.00 (150.70 to 151.70): VU037619.D (-300) (-)

250

200

150

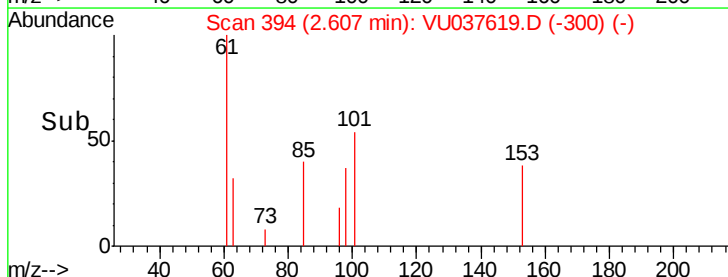
100

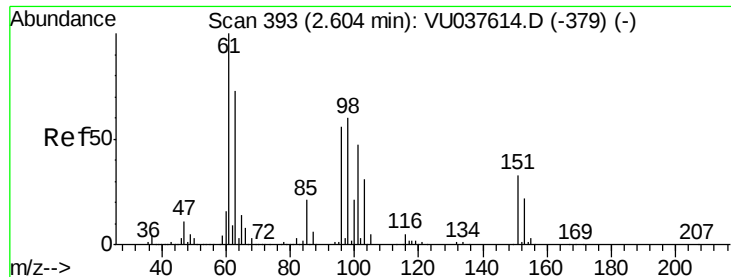
50

0

2.60 2.61 2.62

Time-->





#12

1,1-Dichloroethene

Concen: 32.303 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

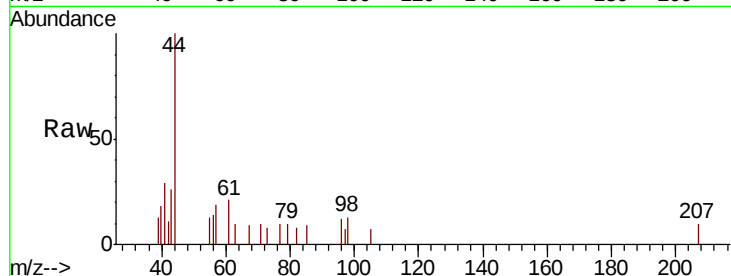
Tot Ion: 96 Resp: 324

Ion Ratio Lower Upper

96 100

61 173.1 123.6 229.6

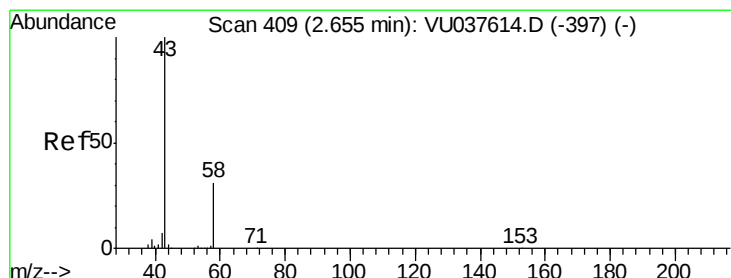
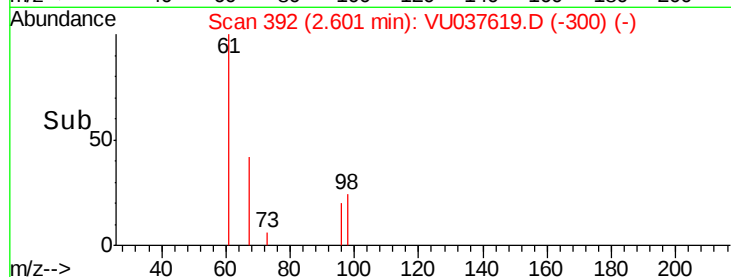
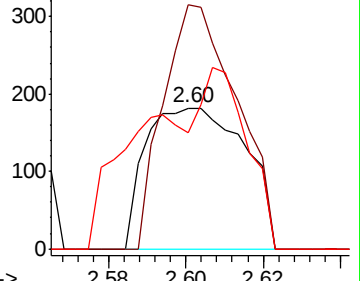
63 82.4 85.7 159.1#



Abundance Ion 96.00 (95.70 to 96.70): VU037619.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037619.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037619.D (-300) (-)



#13

Acetone

Concen: 322.551 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037619.D

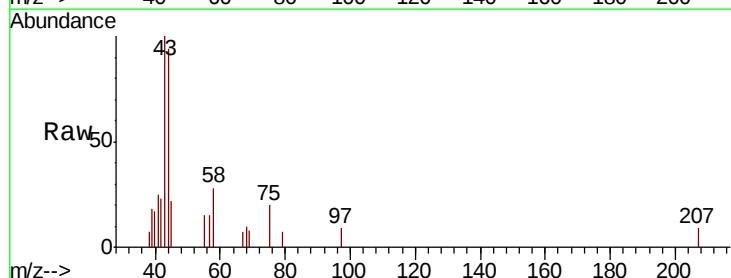
Acq: 09 Apr 2020 15:44

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

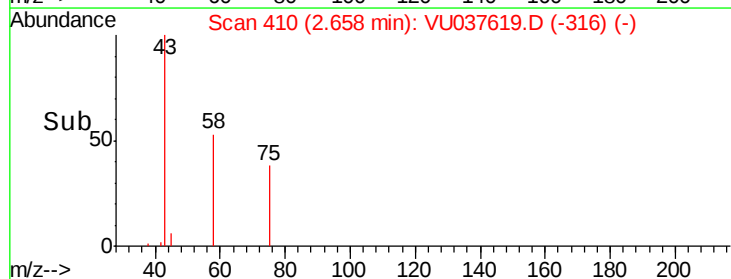
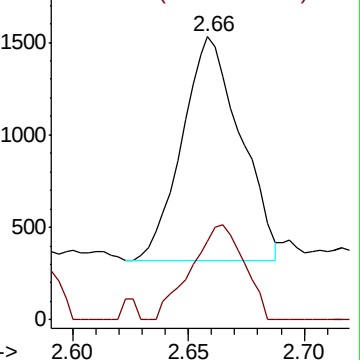
43 100

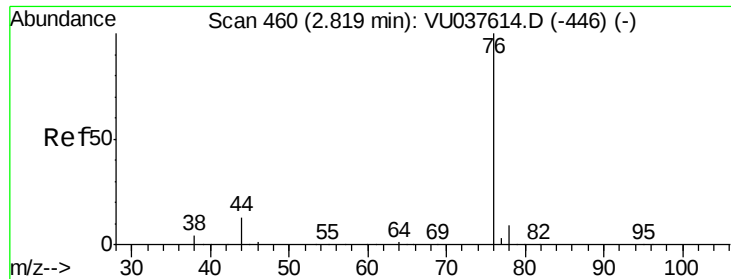
58 38.5 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037619.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037619.D (-316) (-)





#14

Carbon disulfide

Concen: 55.618 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

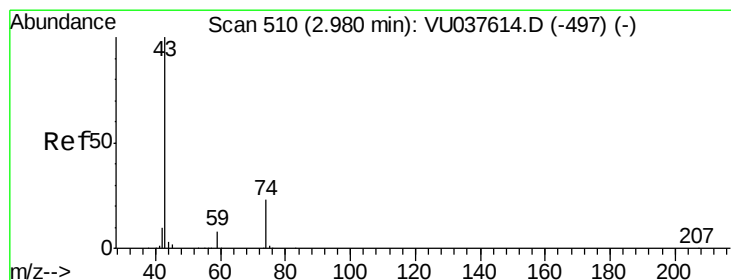
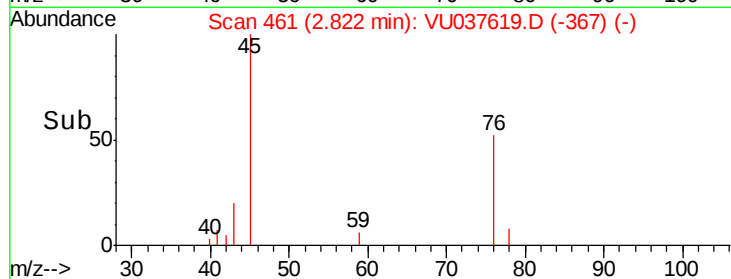
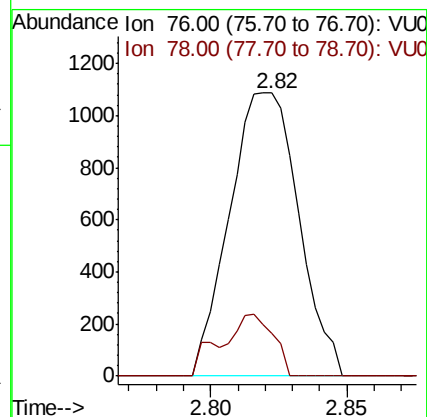
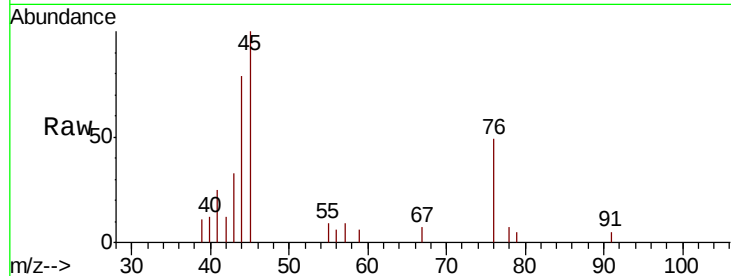
ClientSampled :

Tot Ion: 76 Resp: 1911

Ion Ratio Lower Upper

76 100

78 15.1 7.0 10.6#



#15

Methyl Acetate

Concen: 5.574 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.01 min

Lab File: VU037619.D

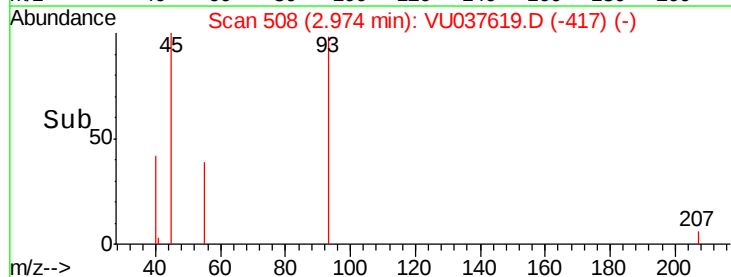
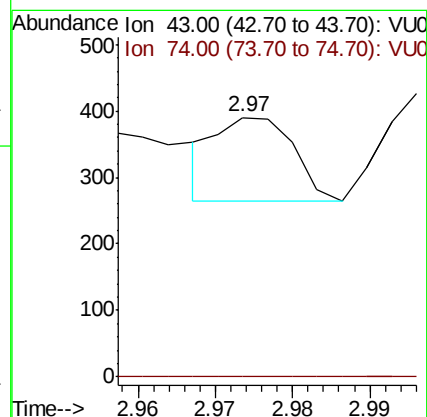
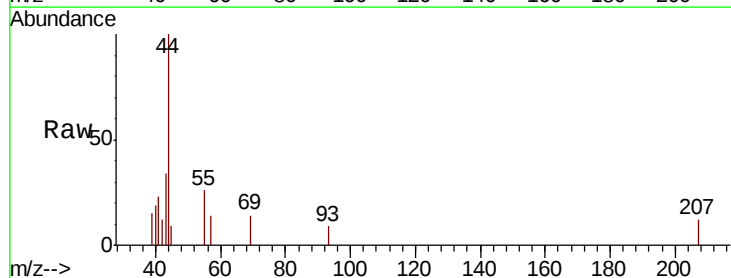
Acq: 09 Apr 2020 15:44

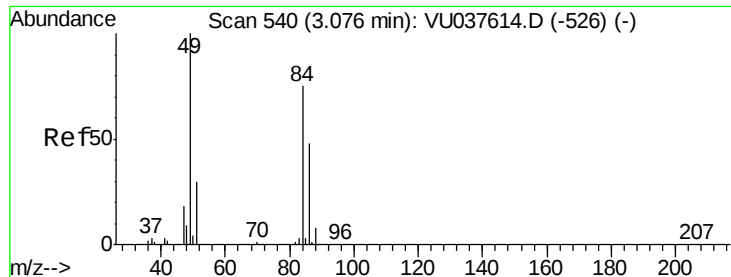
Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

74 0.0 17.9 26.9#

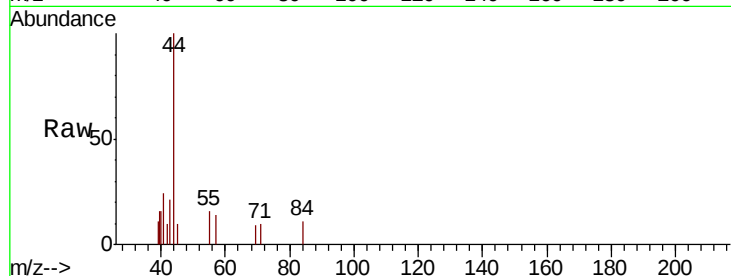




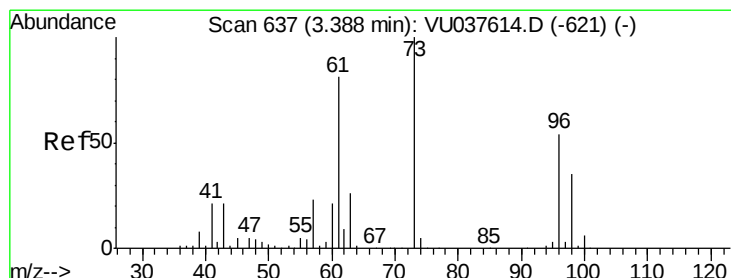
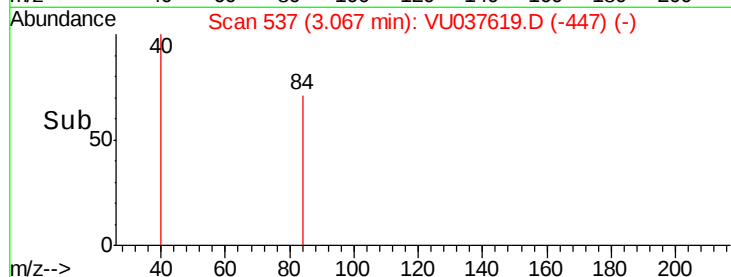
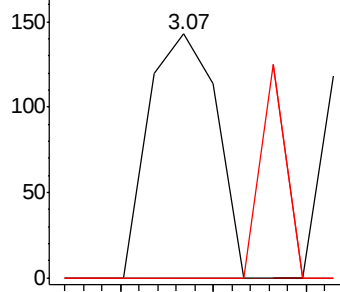
#16
Methylene chloride
Concen: 6.371 ug/L
RT: 3.07 min Scan# 537
Delta R.T. -0.01 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 73
Ion Ratio Lower Upper
84 100
86 0.0 44.1 81.9#
49 0.0 90.3 167.7#

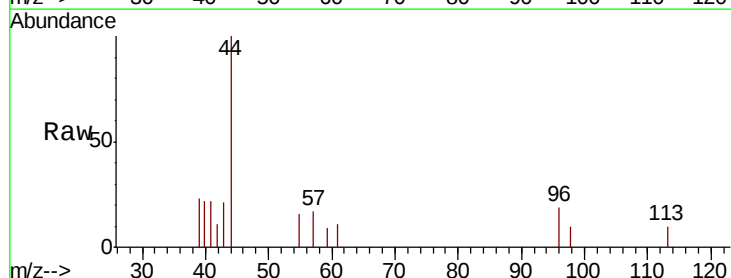


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

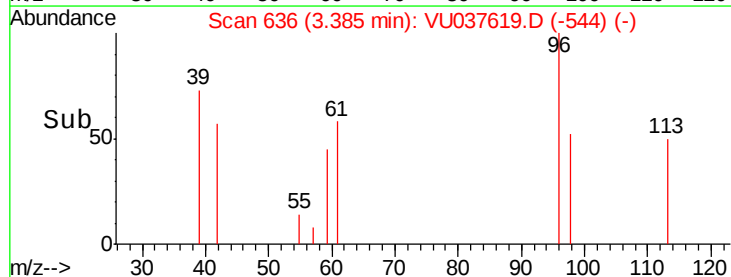
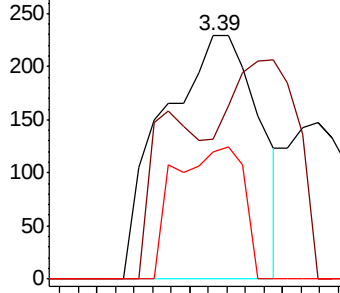


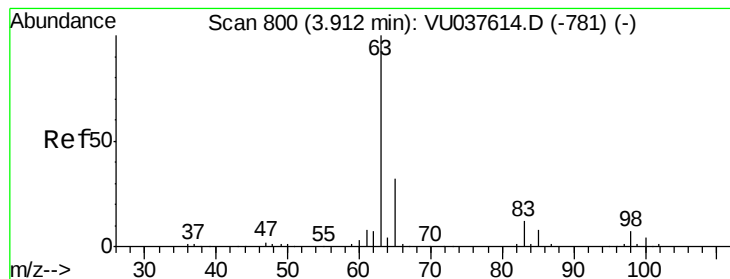
#17
trans-1,2-Dichloroethene
Concen: 30.761 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Tgt Ion: 96 Resp: 331
Ion Ratio Lower Upper
96 100
61 57.6 103.2 191.6#
98 52.4 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#19

1,1-Dichloroethane

Concen: 28.158 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampled :

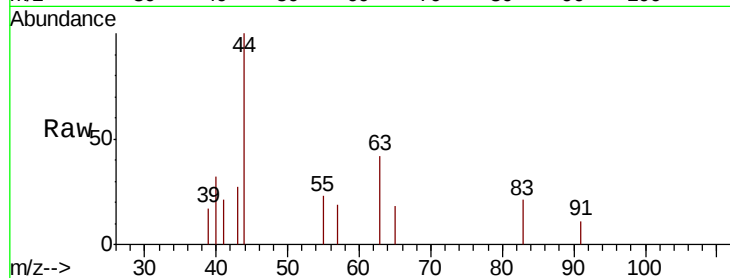
Tot Ion: 63 Resp: 594

Ion Ratio Lower Upper

63 100

65 41.9 21.9 40.7#

83 49.6 9.0 16.6#

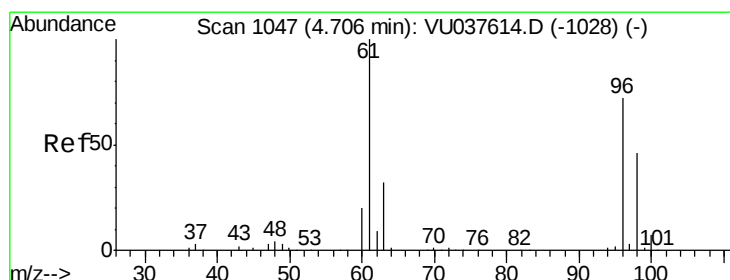
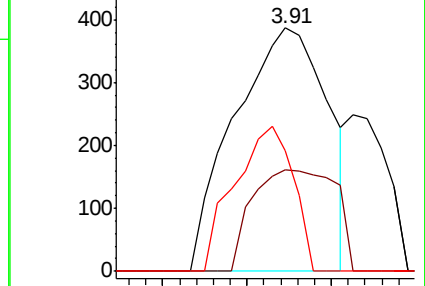
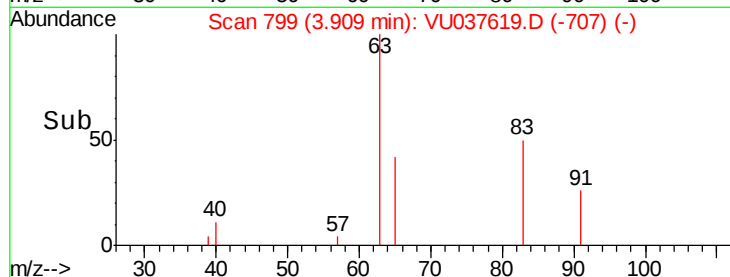


Abundance Ion 63.00 (62.70 to 63.70): VU037619.D (-799) (-)

Ion 65.00 (64.70 to 65.70): VU037619.D (-799) (-)

Ion 83.00 (82.70 to 83.70): VU037619.D (-799) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 8.537 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

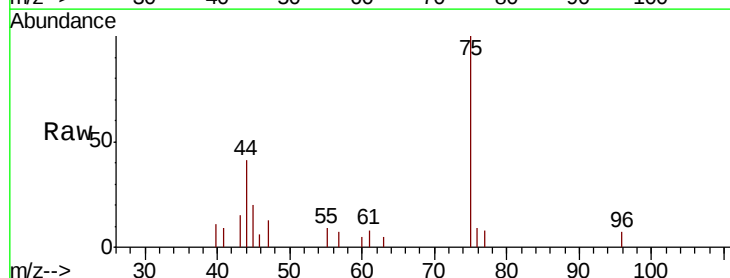
Tgt Ion: 96 Resp: 101

Ion Ratio Lower Upper

96 100

61 111.5 97.5 181.1

68 0.0 0.0 0.0

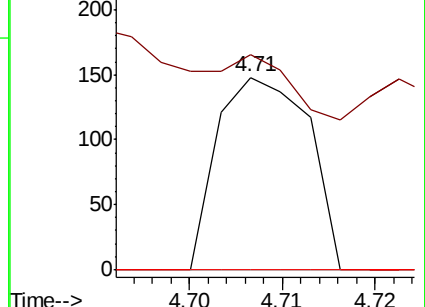
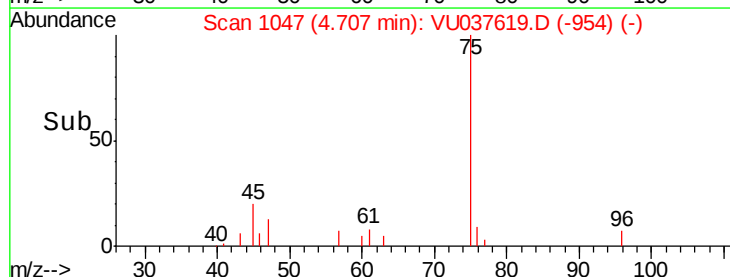


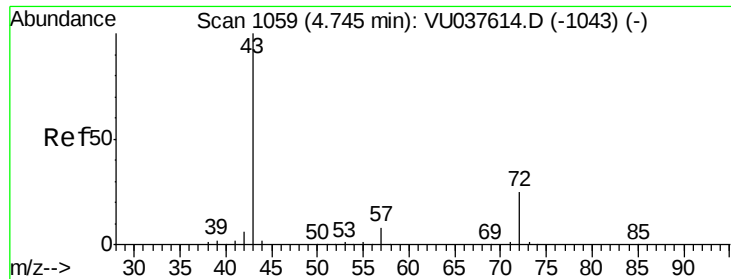
Abundance Ion 96.00 (95.70 to 96.70): VU037619.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037619.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037619.D (-1047) (-)

Time-->





#22

2-Butanone

Concen: 8.096 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

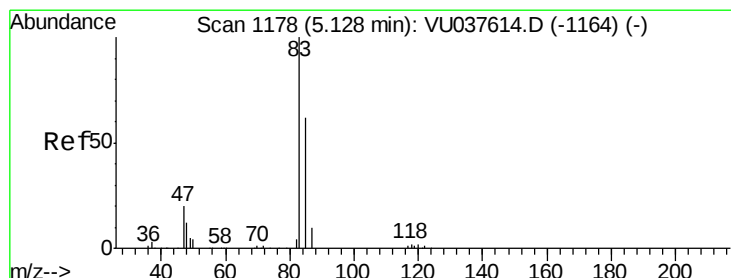
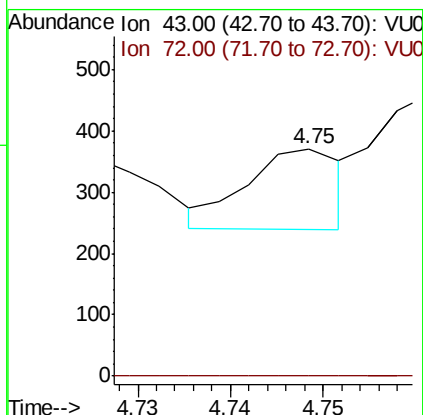
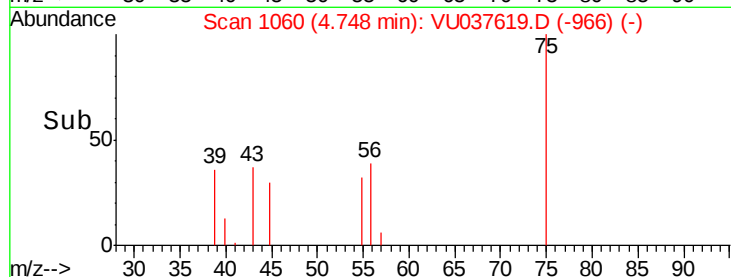
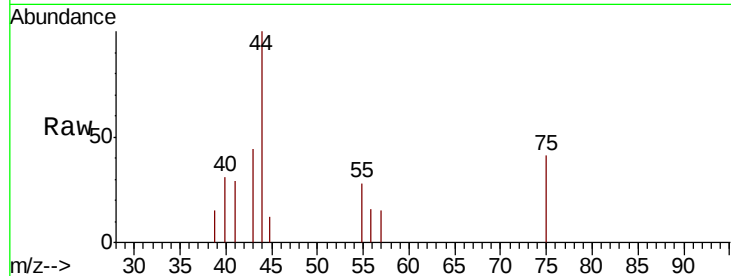
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



#25

Chloroform

Concen: 4.786 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VU037619.D

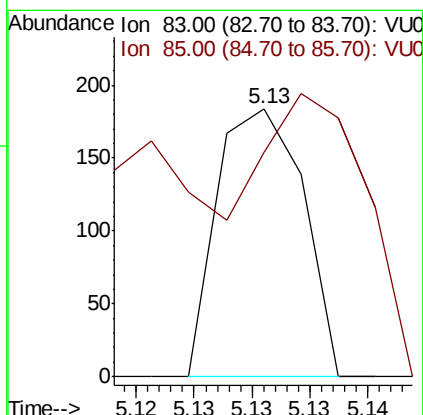
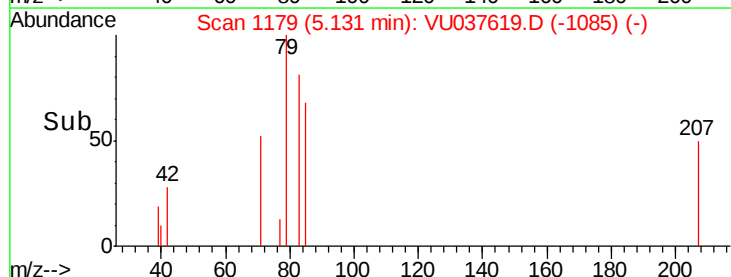
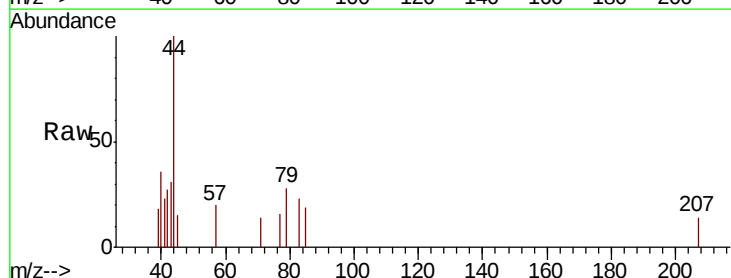
Acq: 09 Apr 2020 15:44

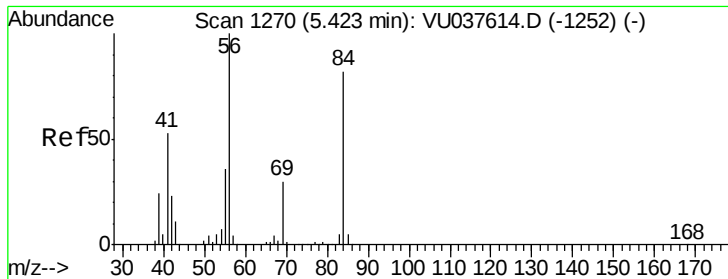
Tgt Ion: 83 Resp: 95

Ion Ratio Lower Upper

83 100

85 83.7 45.5 84.5

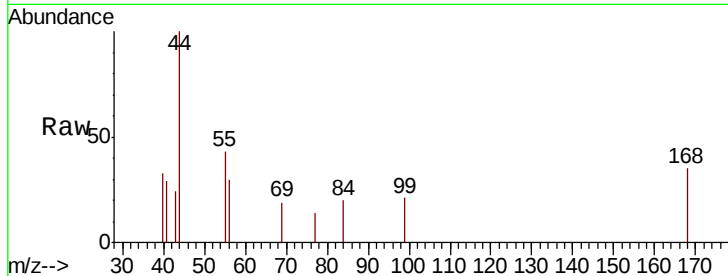




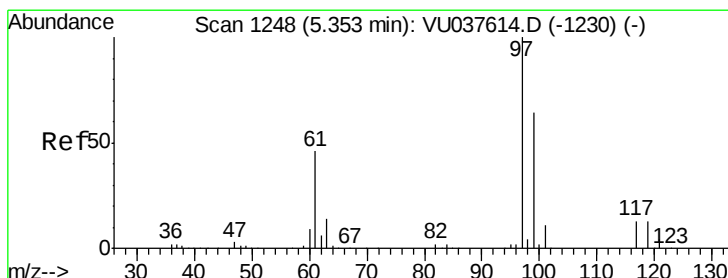
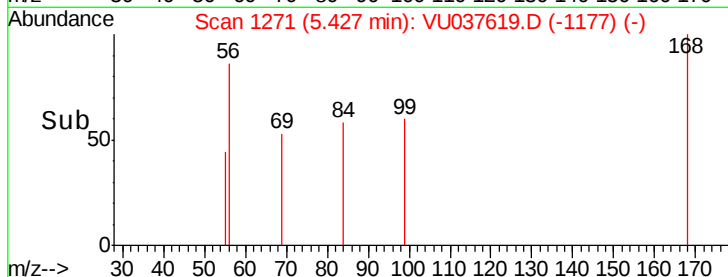
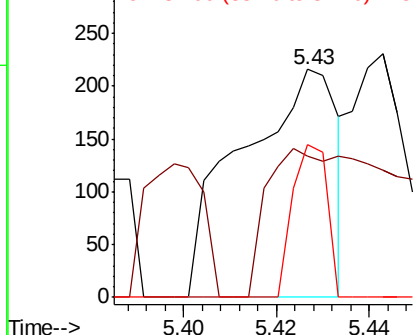
#29
Cyclohexane
Concen: 26.274 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
69 39.4 24.0 36.0#
84 24.2 66.3 99.5#

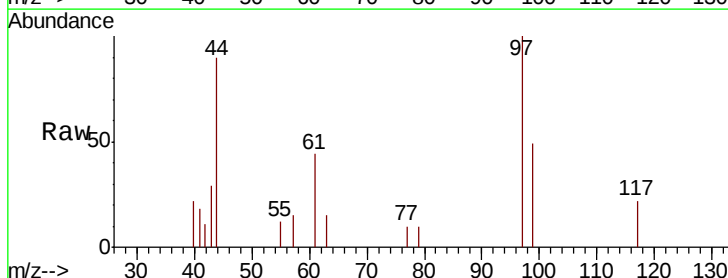


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

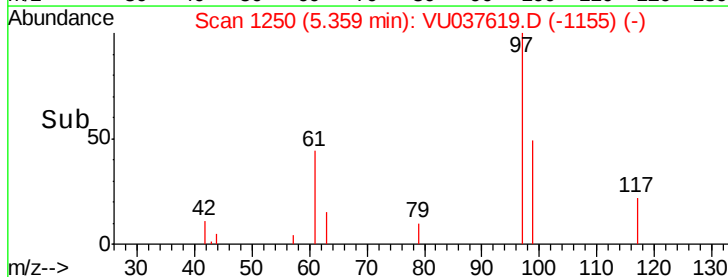
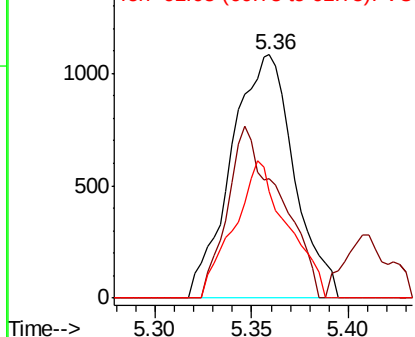


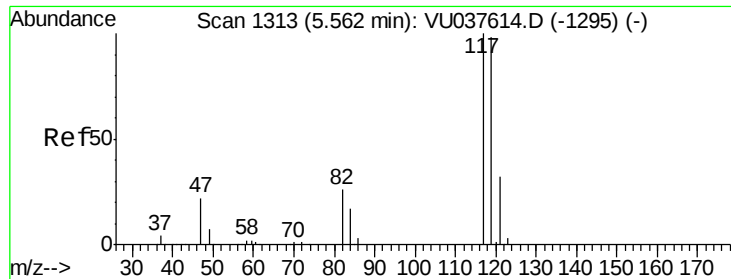
#30
1,1,1-Trichloroethane
Concen: 250.587 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Tgt Ion: 97 Resp: 2437
Ion Ratio Lower Upper
97 100
99 59.2 51.9 77.9
61 48.1 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

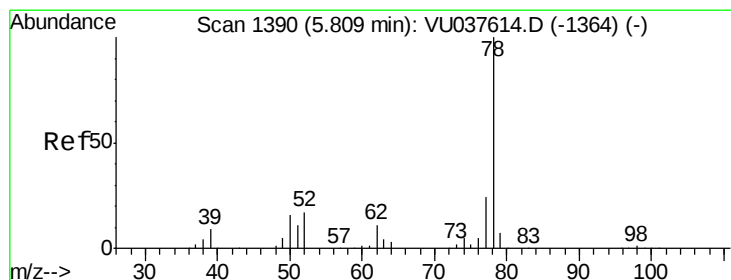
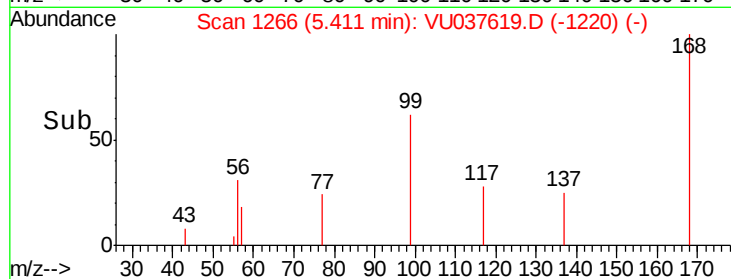
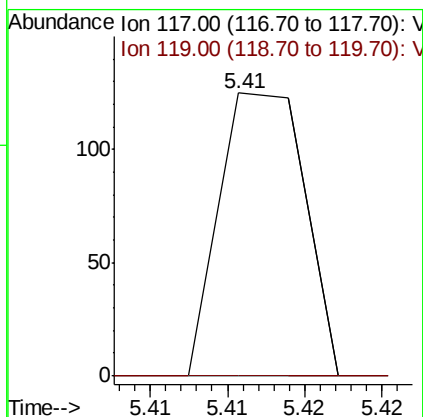
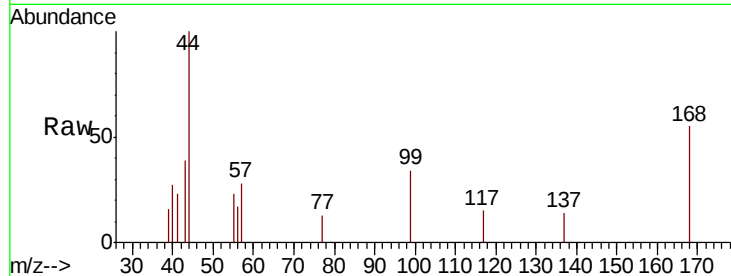




#31
Carbon tetrachloride
Concen: 6.080 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. -0.15 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

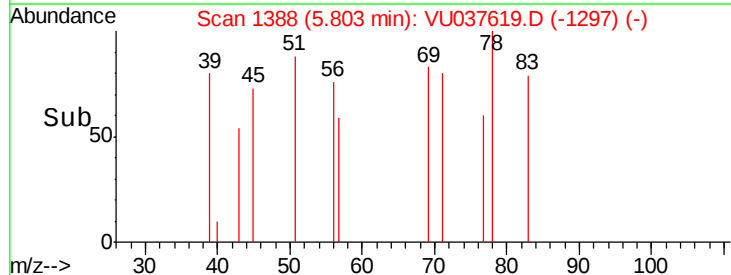
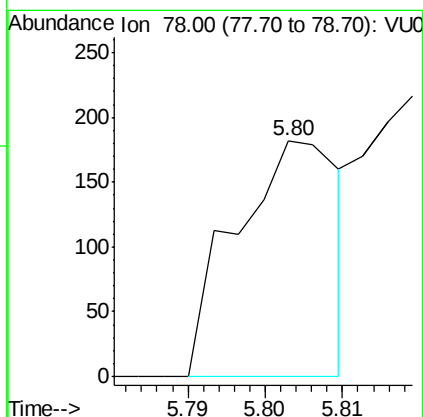
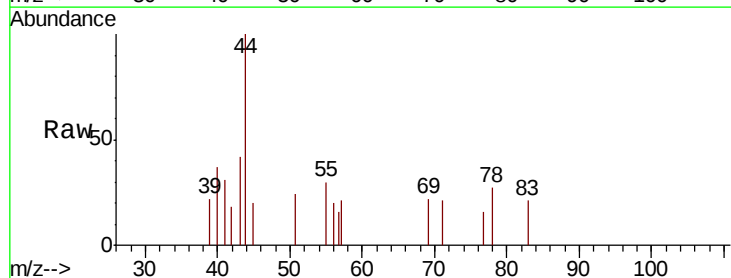
Instrument :
MSVOA_U
ClientSampled :

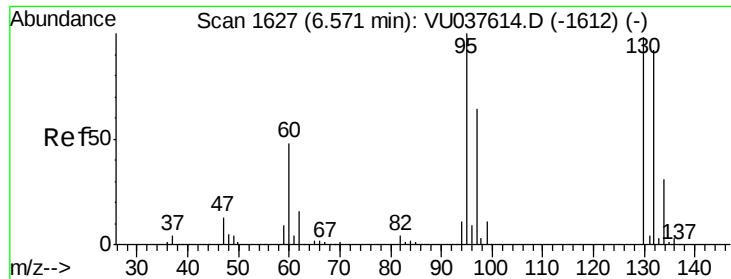
Tot Ion:117 Resp: 48
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#



#33
Benzene
Concen: 6.511 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Tgt Ion: 78 Resp: 170

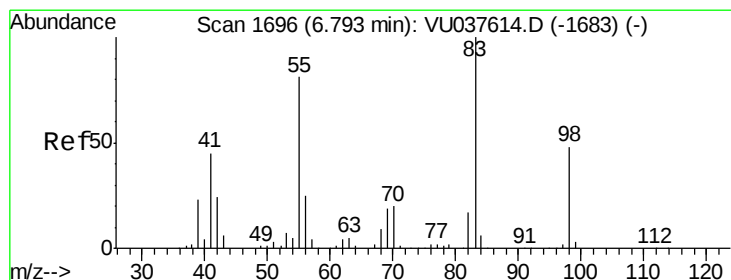
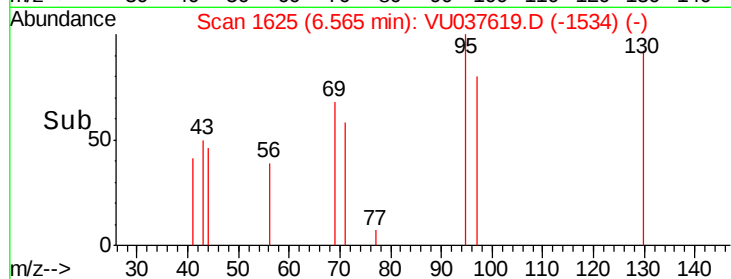
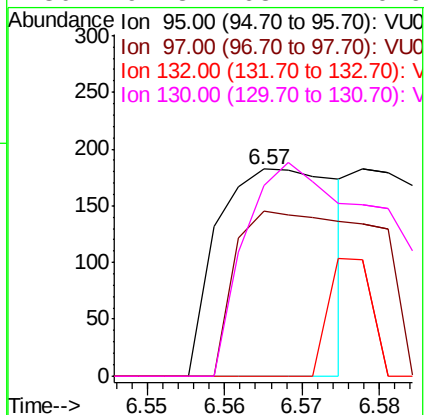
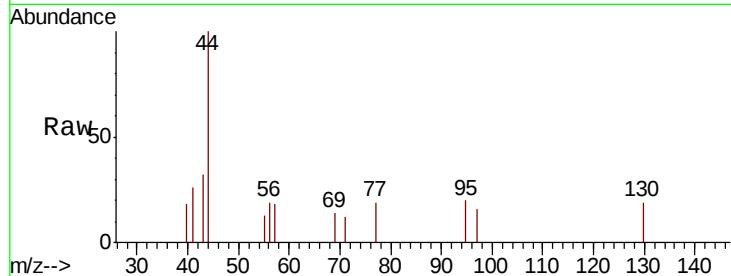




#34
 Trichloroethene
 Concen: 30.338 ug/L
 RT: 6.57 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: VU037619.D
 Acq: 09 Apr 2020 15:44

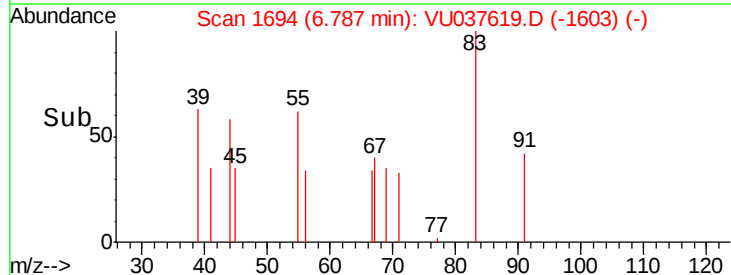
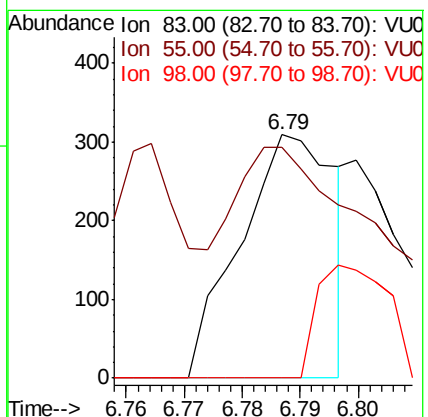
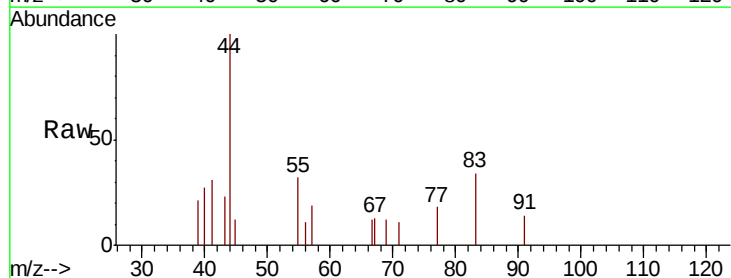
Instrument :
 MSVOA_U
 ClientSampleId :

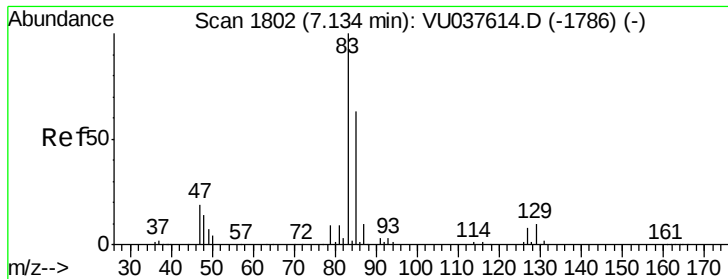
Tot Ion: 95 Resp: 195
 Ion Ratio Lower Upper
 95 100
 97 79.7 43.8 81.4
 132 0.0 64.8 120.4#
 130 92.3 68.2 126.6



#35
 Methylcyclohexane
 Concen: 30.776 ug/L
 RT: 6.79 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: VU037619.D
 Acq: 09 Apr 2020 15:44

Tgt Ion: 83 Resp: 351
 Ion Ratio Lower Upper
 83 100
 55 45.9 64.6 96.8#
 98 34.5 38.0 57.0#





#38

Bromodichloromethane

Concen: 7.473 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

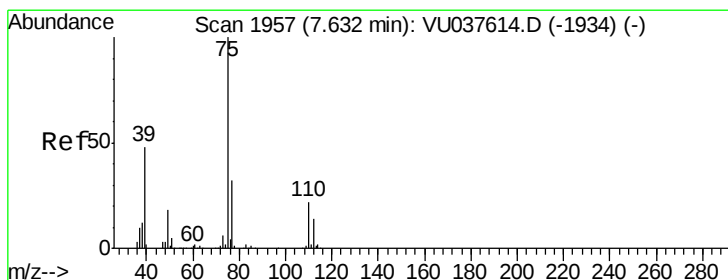
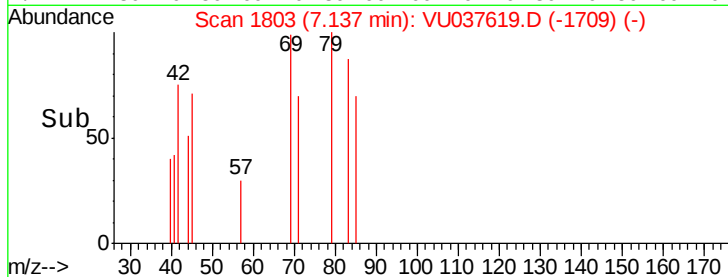
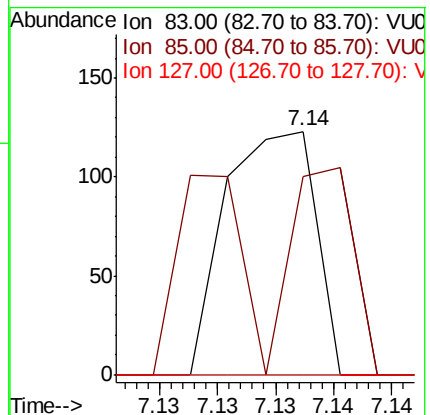
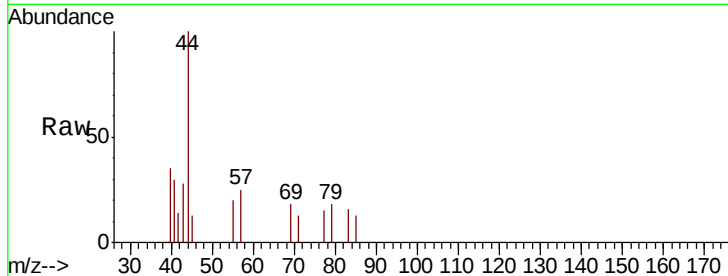
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

85 81.3 45.1 83.7

127 0.0 6.6 9.8#



#39

cis-1,3-Dichloropropene

Concen: 13.710 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU037619.D

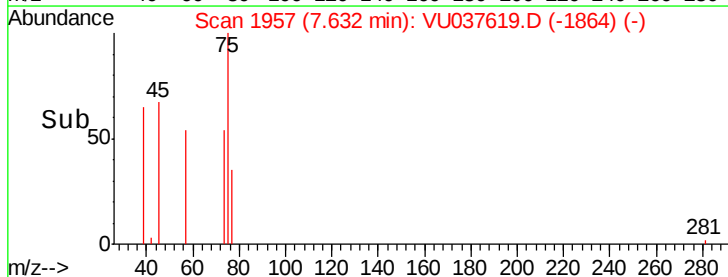
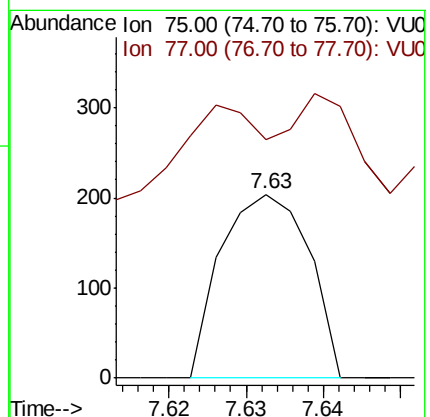
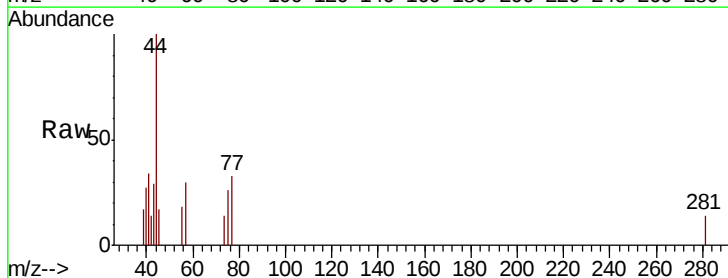
Acq: 09 Apr 2020 15:44

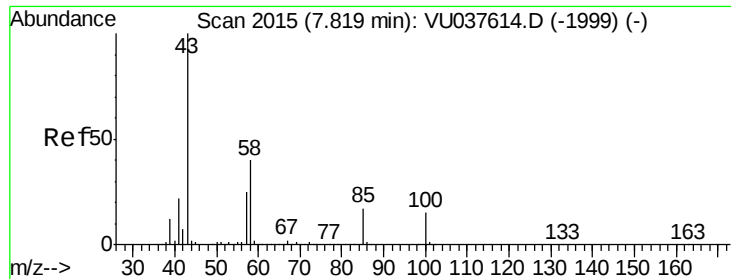
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

77 129.9 22.1 41.1#

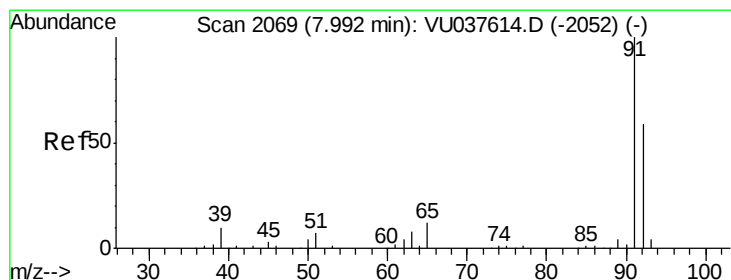
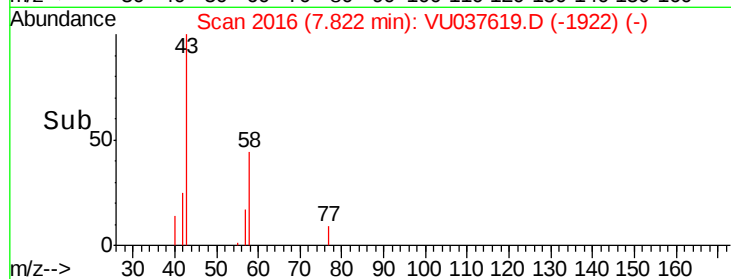
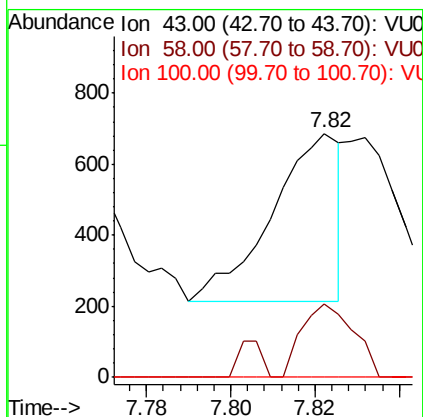
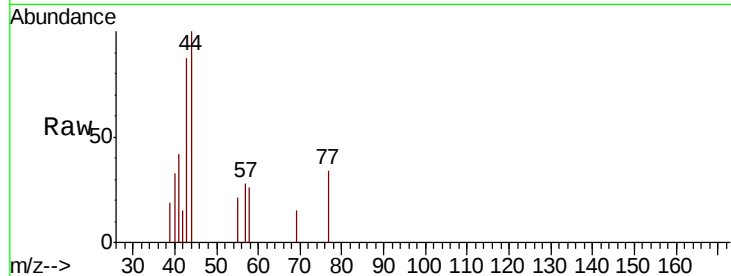




#40
4-Methyl-2-pentanone
Concen: 42.065 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

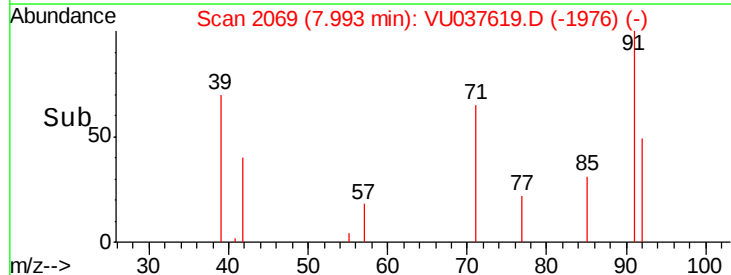
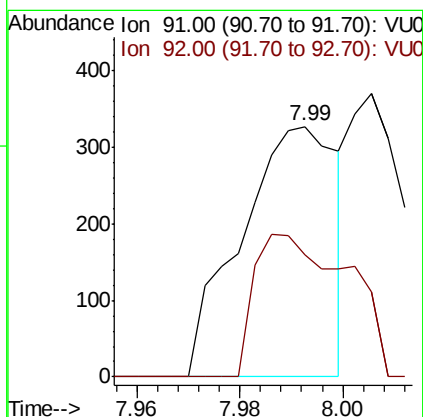
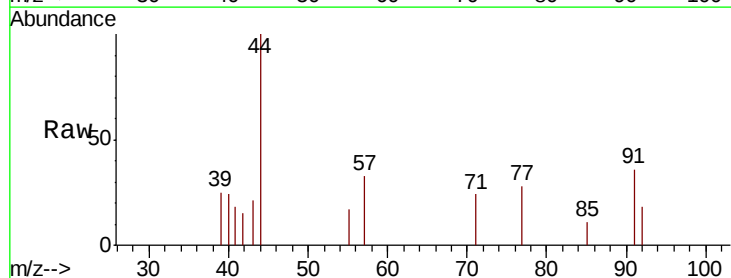
Instrument :
MSVOA_U
ClientSampleId :

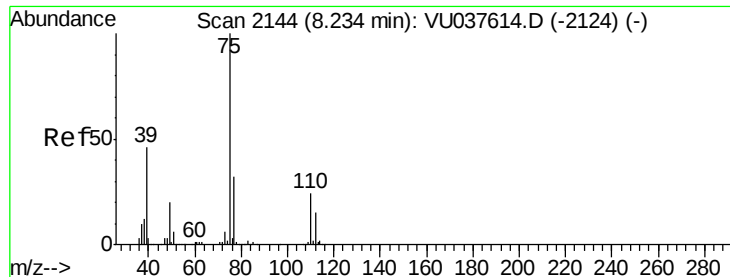
Tot Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 33.0 31.5 47.3
100 0.0 12.0 18.0#



#42
Toluene
Concen: 15.250 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Tgt Ion: 91 Resp: 423
Ion Ratio Lower Upper
91 100
92 48.6 41.8 77.6





#44

trans-1,3-Dichloropropene

Concen: 15.198 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

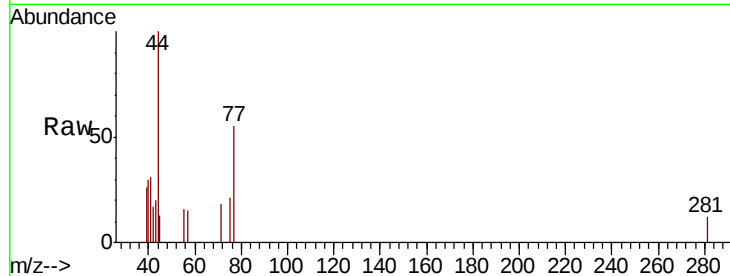
ClientSampled :

Tot Ion: 75 Resp: 173

Ion Ratio Lower Upper

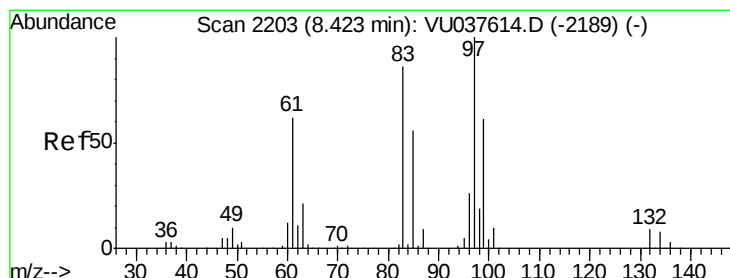
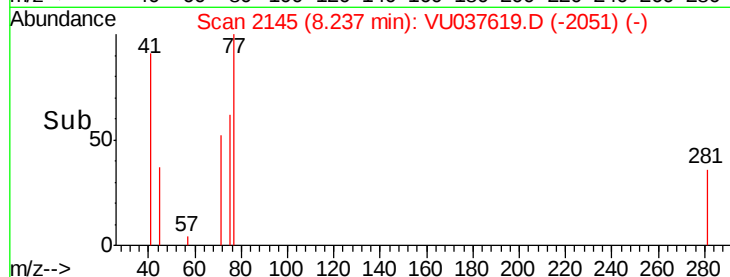
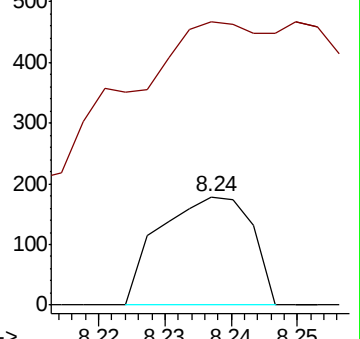
75 100

77 260.9 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#45

1,1,2-Trichloroethane

Concen: 6.561 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Tgt Ion: 97 Resp: 42

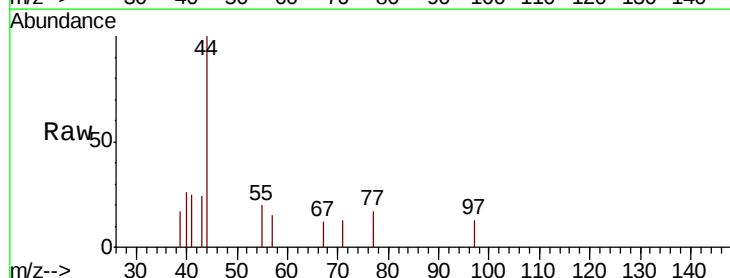
Ion Ratio Lower Upper

97 100

99 0.0 43.6 81.0#

83 0.0 61.2 113.8#

85 0.0 38.4 71.4#

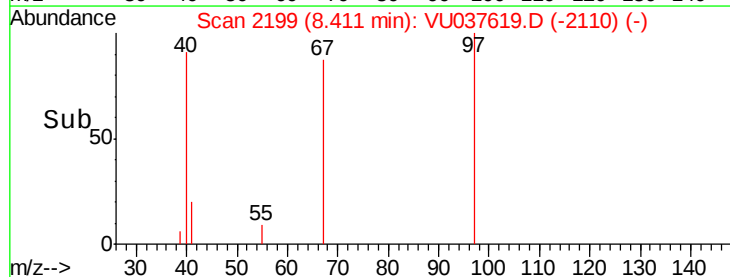
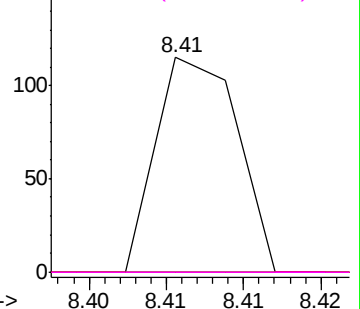


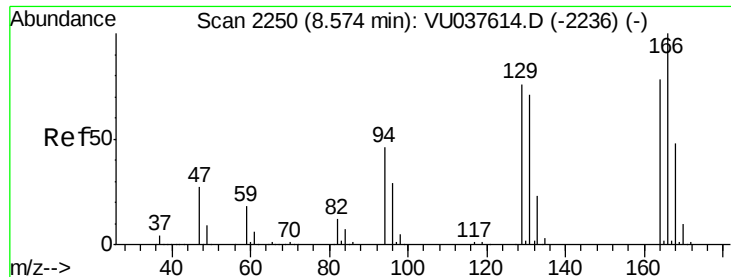
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 15.683 ug/L

RT: 8.57 min Scan# 2250

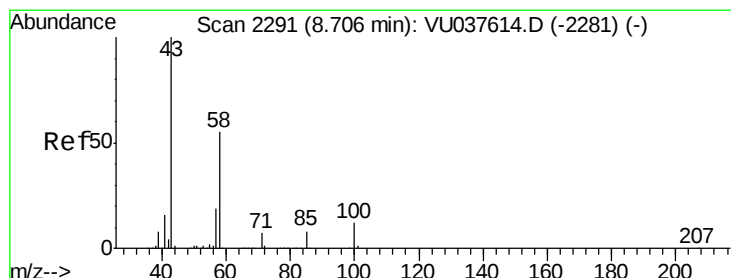
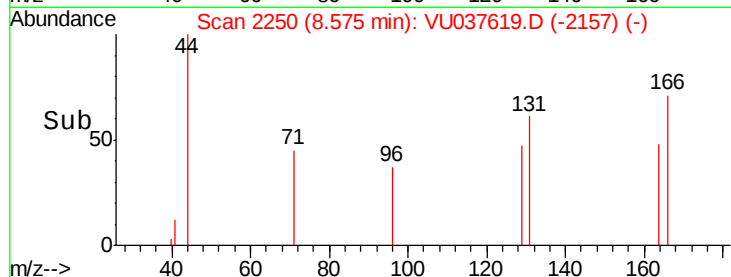
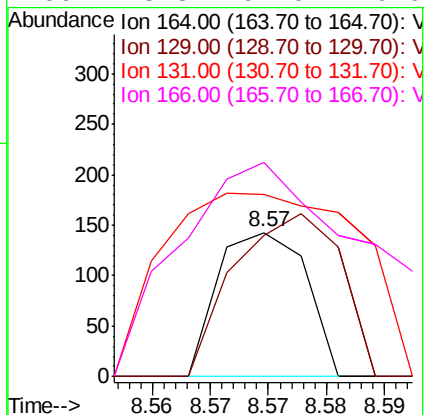
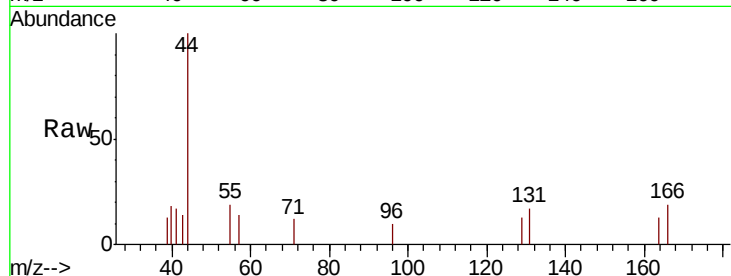
Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	164	Resp:	75
Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.0	126.2
131	126.6	65.8	122.2#
166	148.3	92.0	170.9



#48

2-Hexanone

Concen: 176.219 ug/L

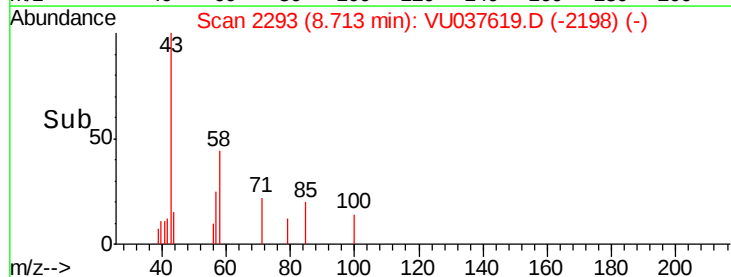
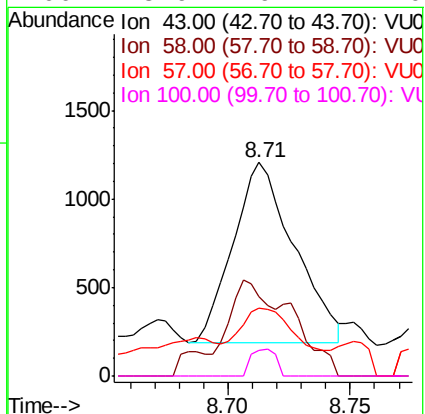
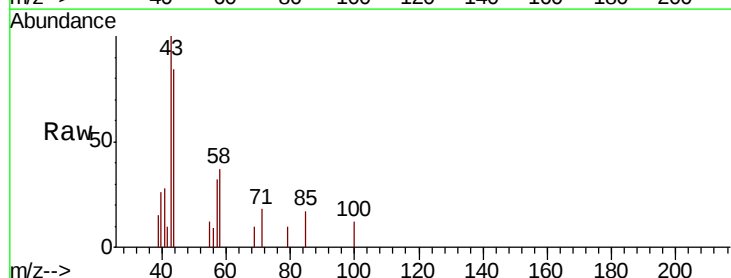
RT: 8.71 min Scan# 2293

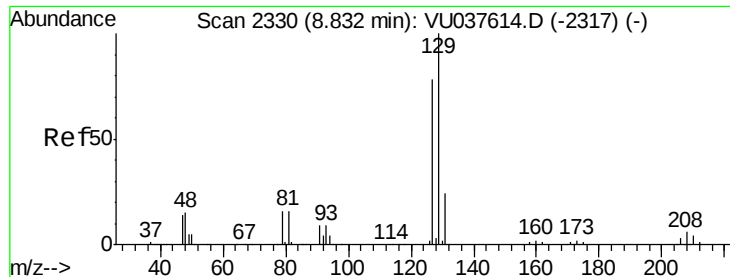
Delta R.T. 0.01 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Tgt Ion:	43	Resp:	1773
Ion	Ratio	Lower	Upper
43	100		
58	24.5	44.0	66.0#
57	17.5	15.2	22.8
100	5.9	9.4	14.0#





#49

Dibromochloromethane

Concen: 15.004 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

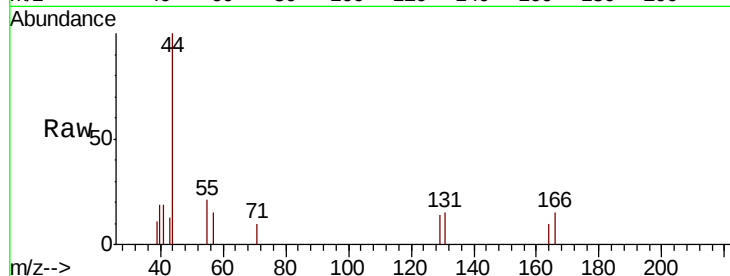
ClientSampleId :

Tot Ion:129 Resp: 103

Ion Ratio Lower Upper

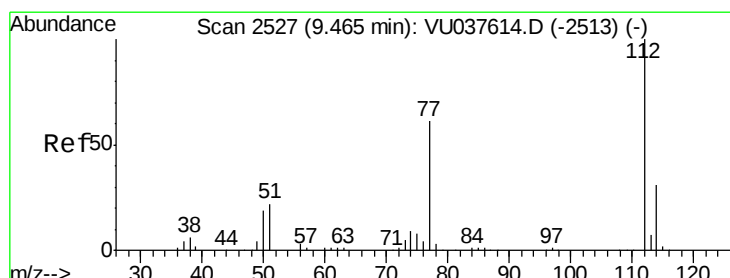
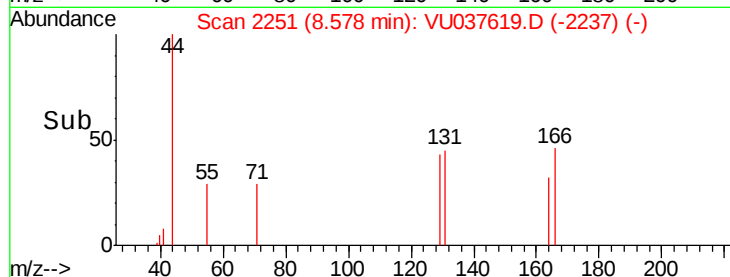
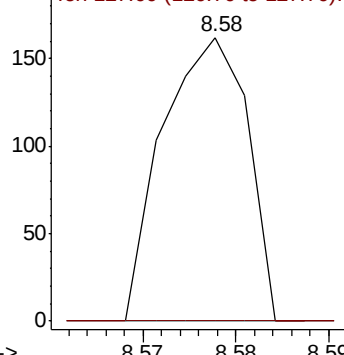
129 100

127 0.0 55.2 102.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

Chlorobenzene

Concen: 34.696 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

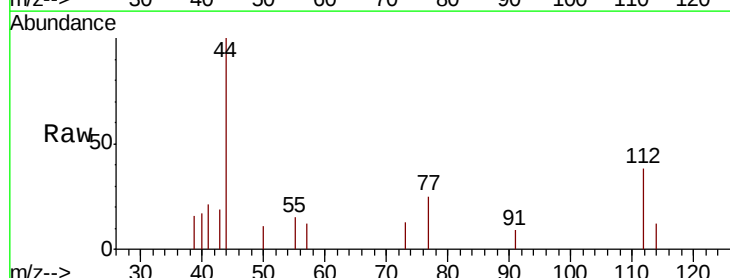
Tgt Ion:112 Resp: 601

Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

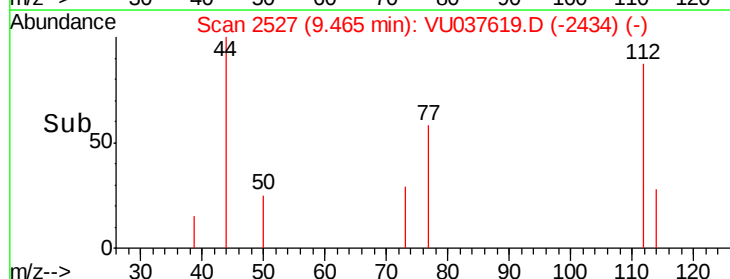
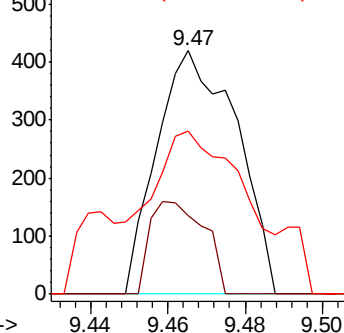
77 66.7 49.2 73.8

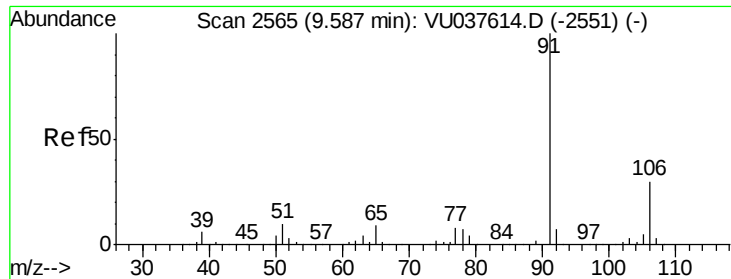


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

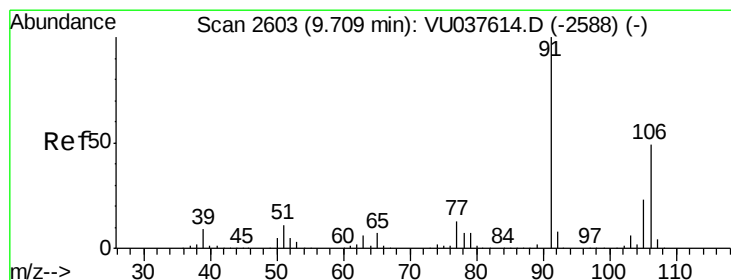
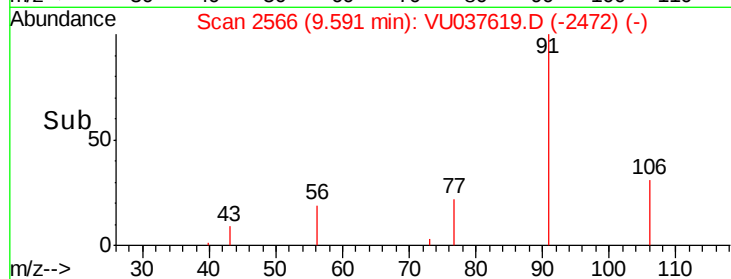
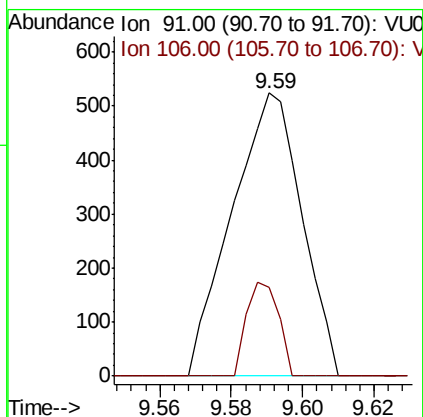
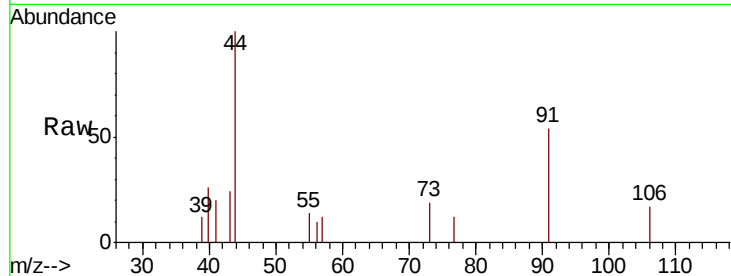




#52
Ethylbenzene
Concen: 22.799 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

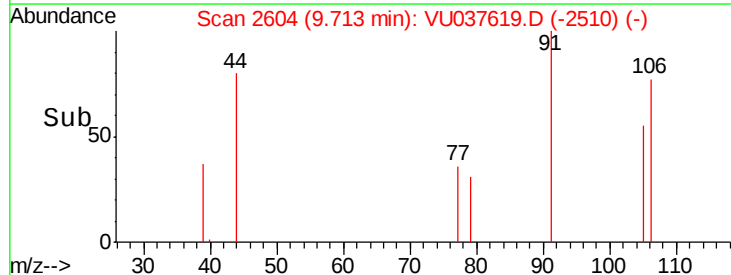
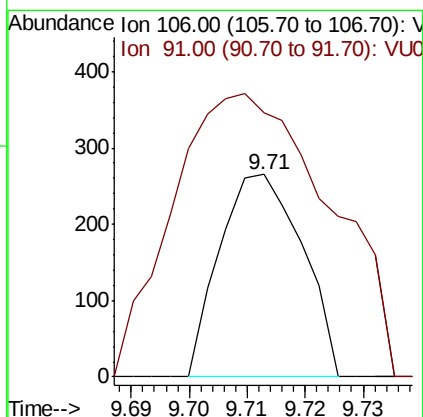
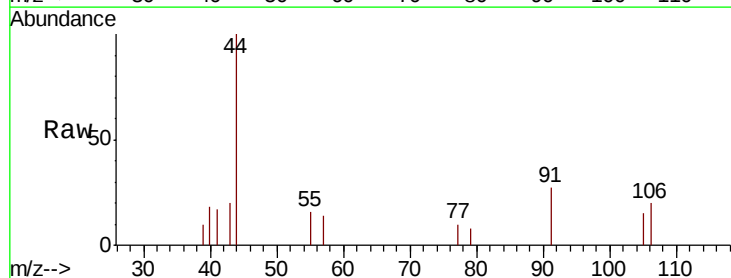
Instrument :
MSVOA_U
ClientSampleId :

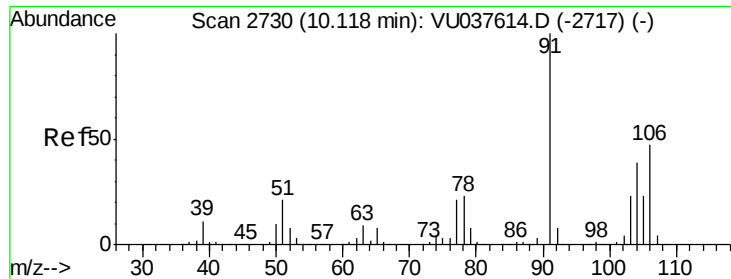
Tot Ion: 91 Resp: 709
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0



#53
m,p-Xylene
Concen: 22.188 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037619.D
Acq: 09 Apr 2020 15:44

Tgt Ion: 106 Resp: 262
Ion Ratio Lower Upper
106 100
91 130.6 140.8 261.6#





#54

o-xylene

Concen: 3.843 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

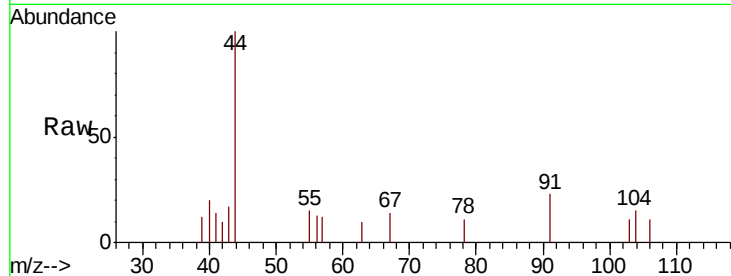
ClientSampled :

Tot Ion:106 Resp: 45

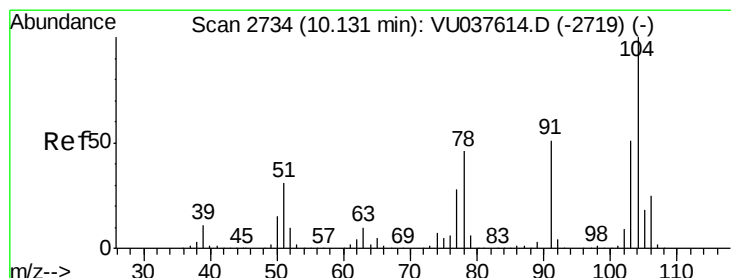
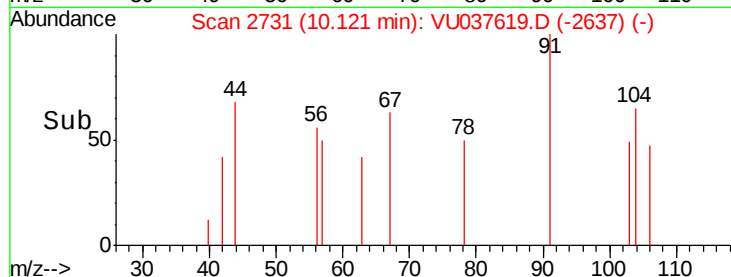
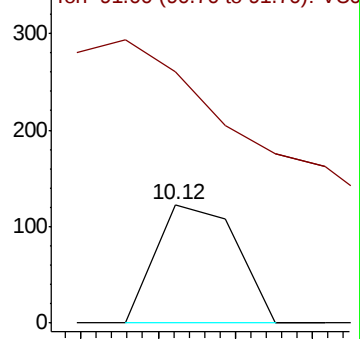
Ion Ratio Lower Upper

106 100

91 211.4 151.1 280.5



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 25.215 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037619.D

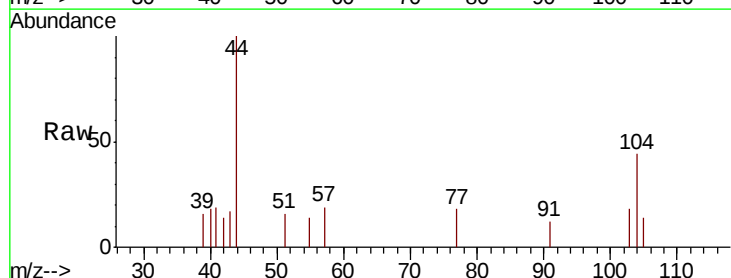
Acq: 09 Apr 2020 15:44

Tgt Ion:104 Resp: 512

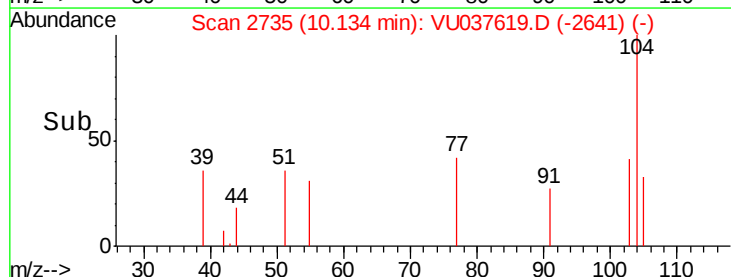
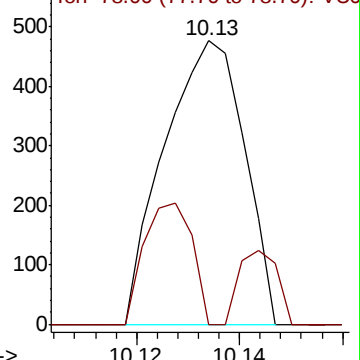
Ion Ratio Lower Upper

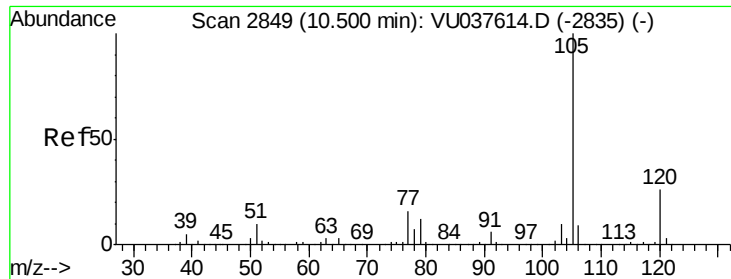
104 100

78 0.0 32.0 59.4#



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 14.823 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampleID :

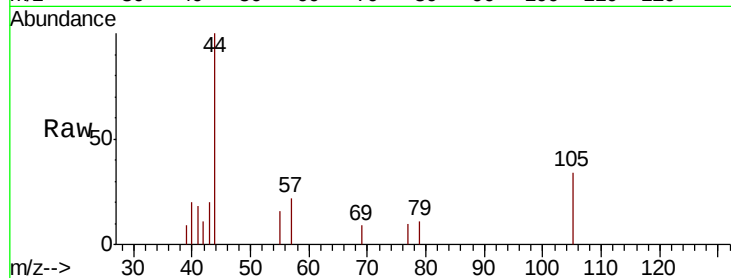
Tot Ion: 105 Resp: 452

Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#

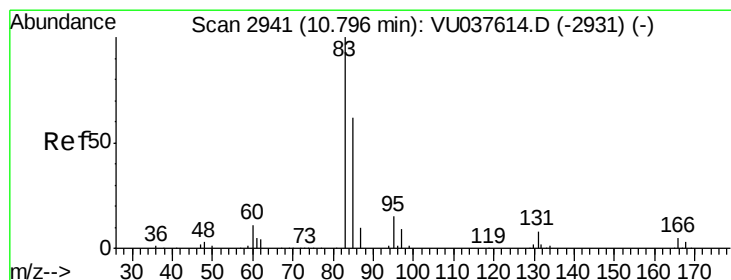
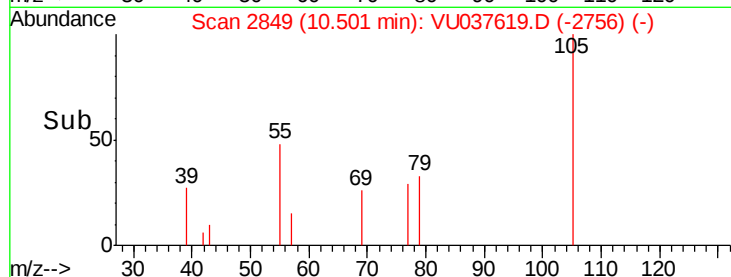
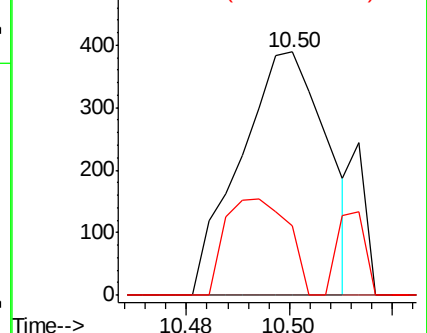
77 28.8 12.7 19.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.511 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.01 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

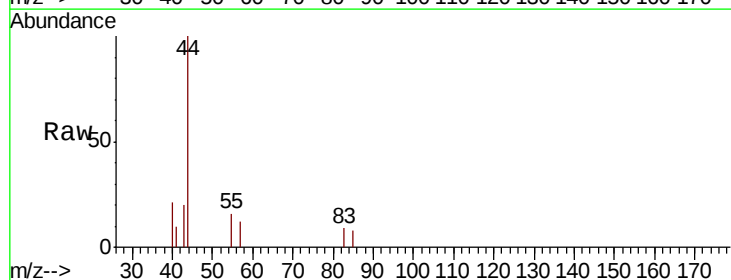
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

85 96.4 44.2 82.2#

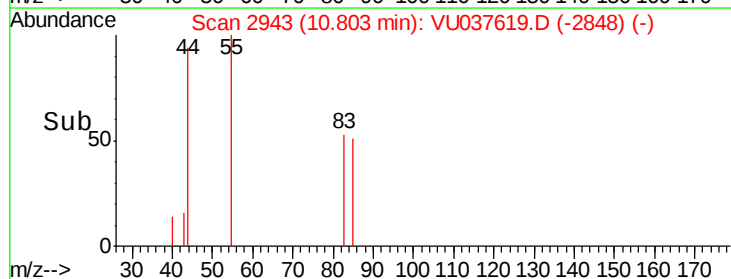
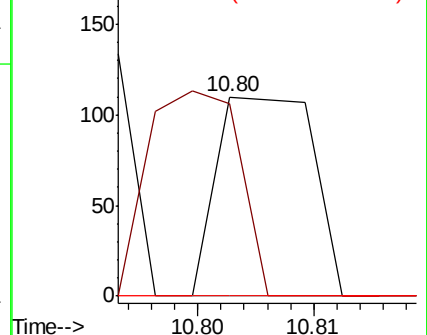
131 0.0 7.6 11.4#

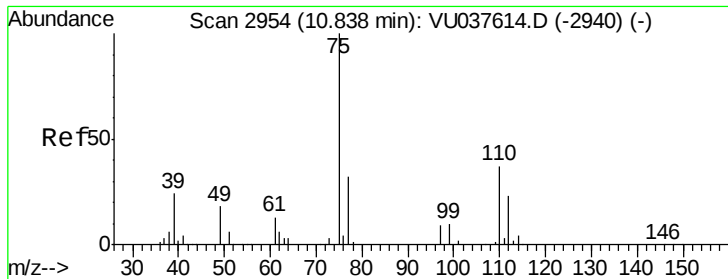


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.747 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.01 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

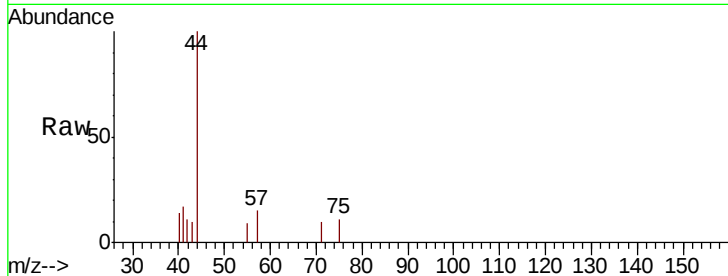
ClientSampleId :

Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 86.3 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU037619.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037619.D (-2940) (-)

10.84

150

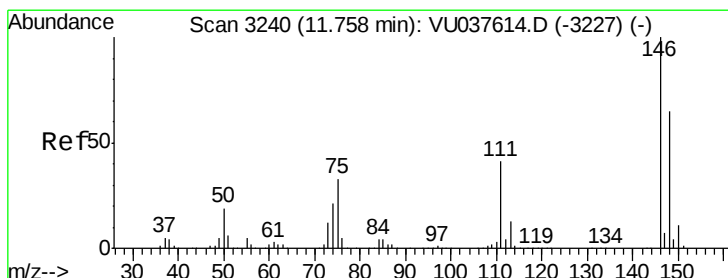
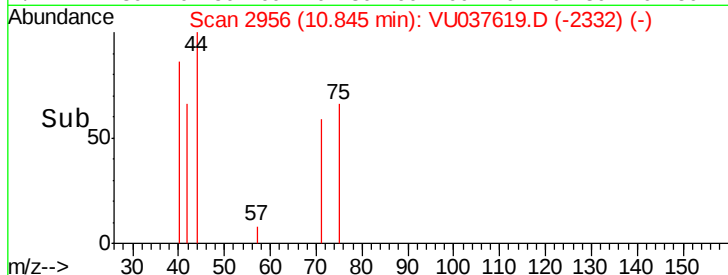
100

50

0

10.83 10.84 10.85

Time-->



#62

1,3-Dichlorobenzene

Concen: 22.664 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

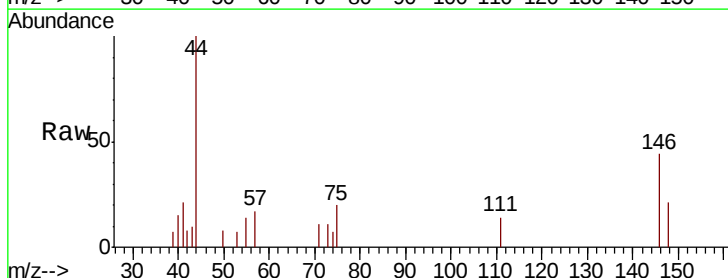
Tgt Ion: 146 Resp: 917

Ion Ratio Lower Upper

146 100

111 31.5 28.6 53.0

148 47.4 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): VU037619.D (-3227) (-)

Ion 111.00 (110.70 to 111.70): VU037619.D (-3227) (-)

Ion 148.00 (147.70 to 148.70): VU037619.D (-3227) (-)

800

600

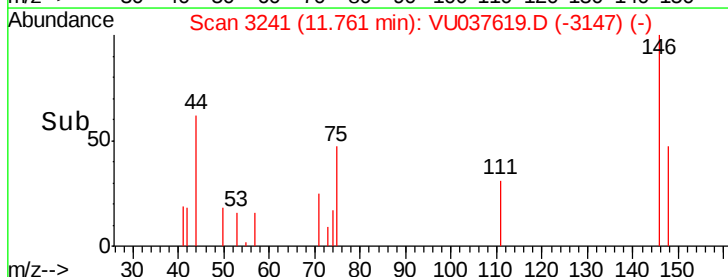
400

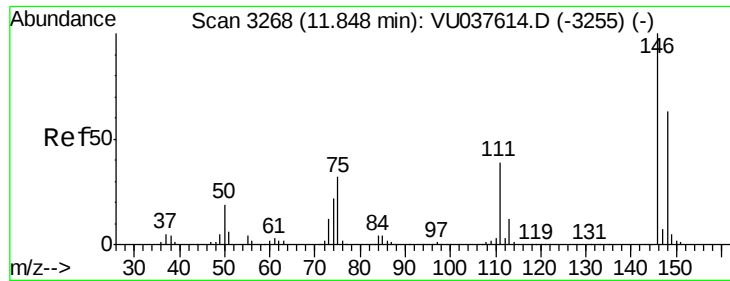
200

0

11.75 11.76 11.77

Time-->





#63

1,4-Dichlorobenzene

Concen: 12.662 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

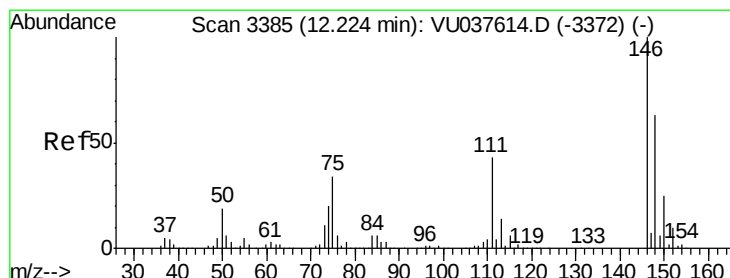
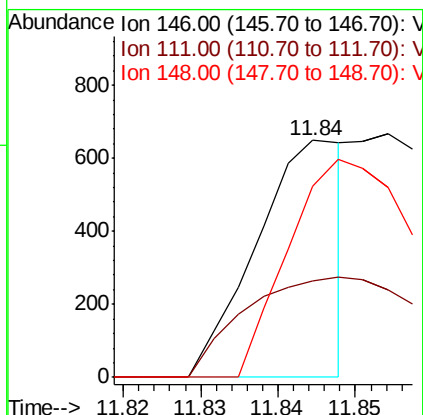
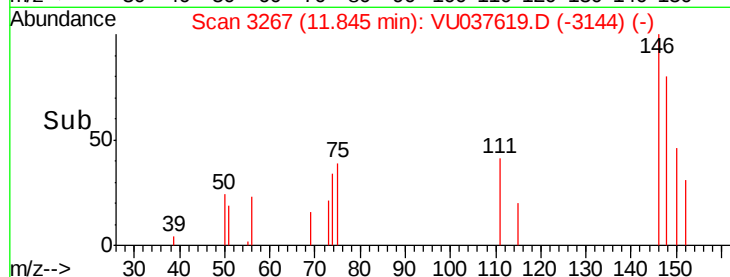
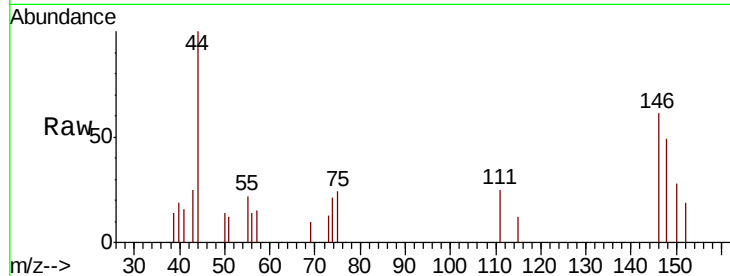
Tot Ion:146 Resp: 514

Ion Ratio Lower Upper

146 100

111 40.7 27.2 50.6

148 80.4 44.9 83.3



#65

1,2-Dichlorobenzene

Concen: 14.245 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

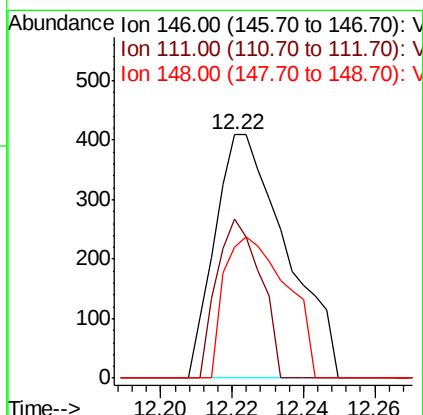
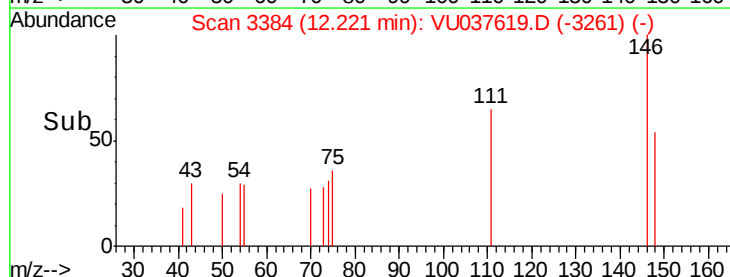
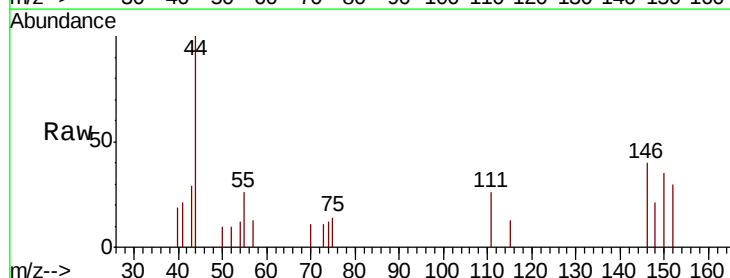
Tgt Ion:146 Resp: 568

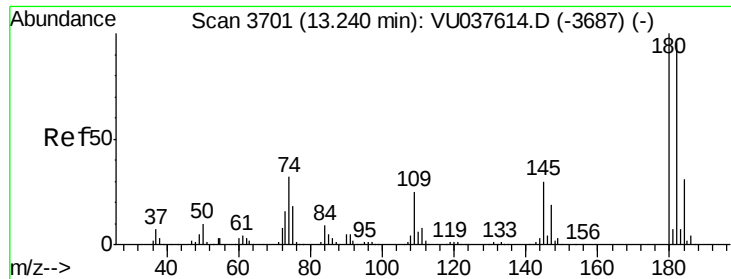
Ion Ratio Lower Upper

146 100

111 65.3 34.2 51.4#

148 54.0 50.9 76.3

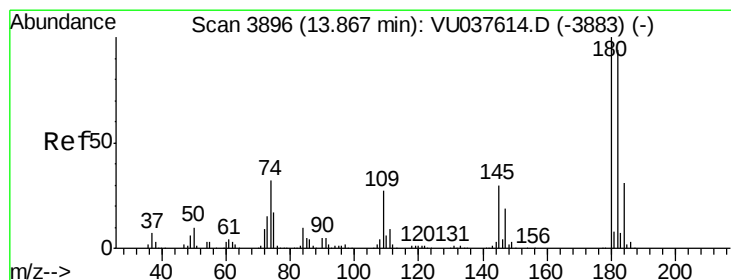
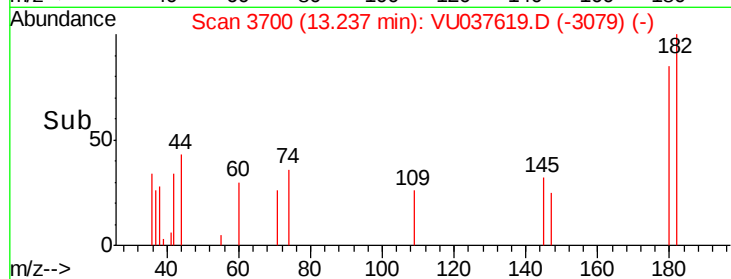
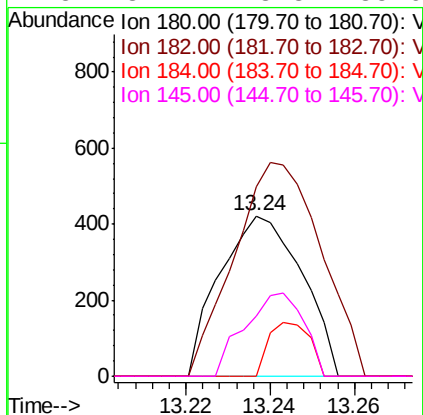
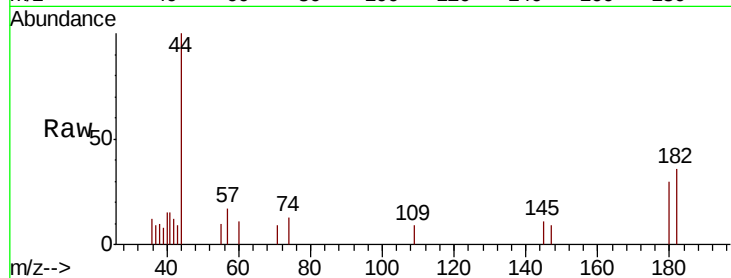




#67
 1,3,5-Trichlorobenzene
 Concen: 19.267 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU037619.D
 Acq: 09 Apr 2020 15:44

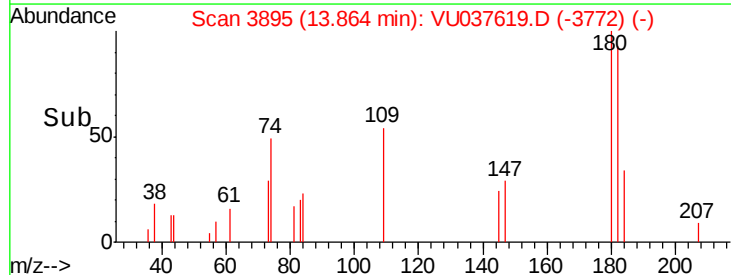
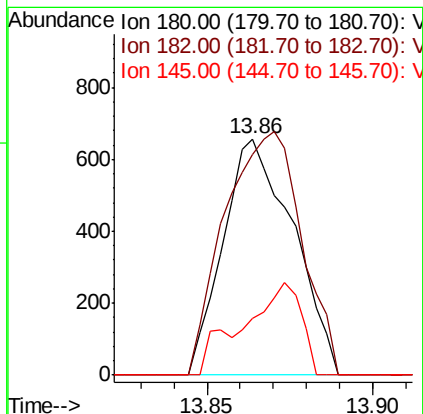
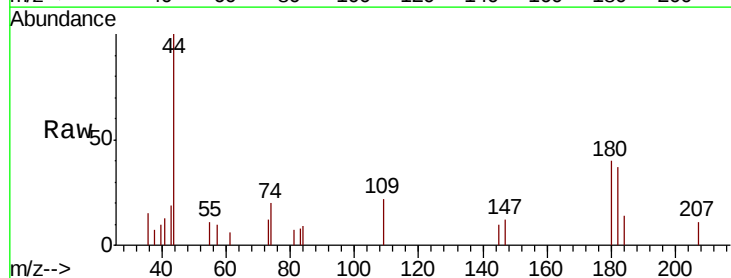
Instrument :
 MSVOA_U
 ClientSampleId :

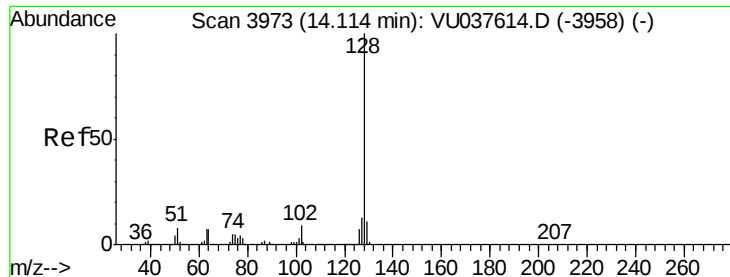
Tot Ion:180 Resp: 570
 Ion Ratio Lower Upper
 180 100
 182 140.5 76.2 114.4#
 184 16.7 24.7 37.1#
 145 37.2 23.8 35.6#



#68
 1,2,4-trichlorobenzene
 Concen: 33.819 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037619.D
 Acq: 09 Apr 2020 15:44

Tgt Ion:180 Resp: 965
 Ion Ratio Lower Upper
 180 100
 182 113.2 76.5 114.7
 145 25.7 23.8 35.6





#69

Naphthalene

Concen: 56.457 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

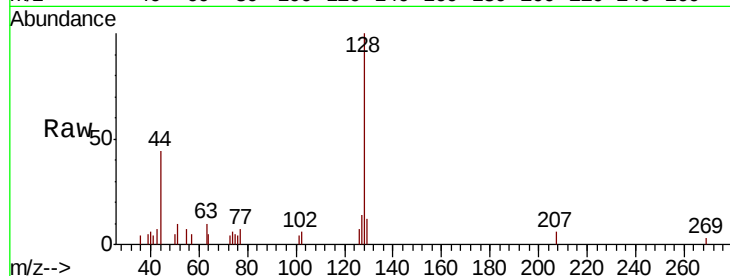
Tot Ion:128 Resp: 5944

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

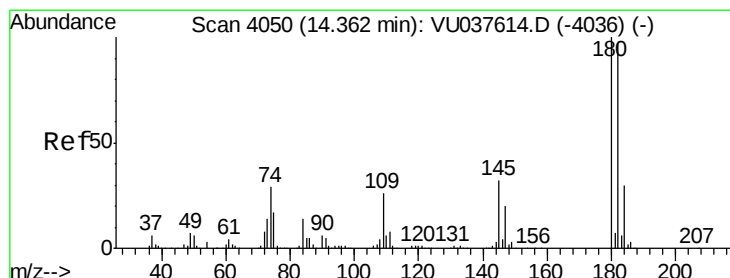
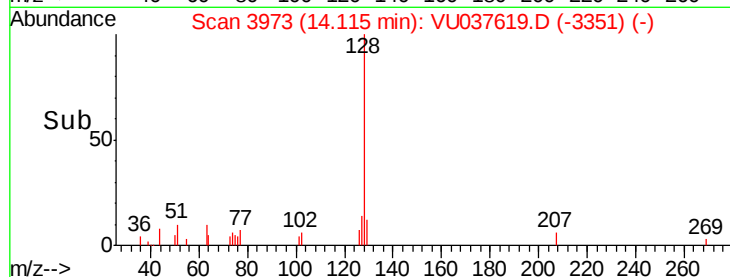
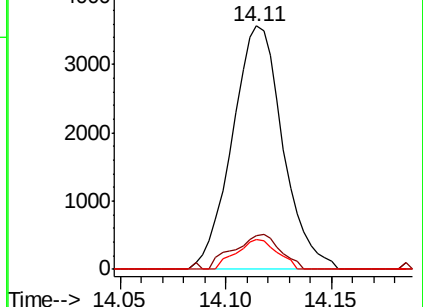
129 9.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 33.345 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037619.D

Acq: 09 Apr 2020 15:44

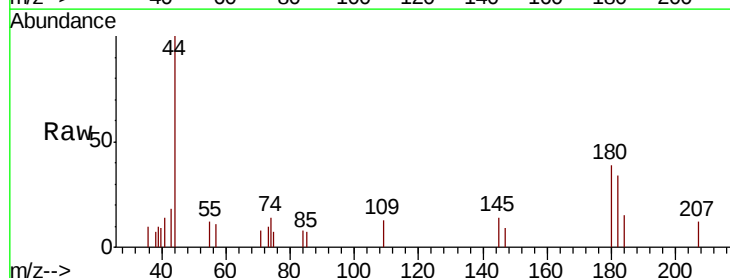
Tgt Ion:180 Resp: 948

Ion Ratio Lower Upper

180 100

182 109.8 75.6 113.4

145 26.7 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

