

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037745.D
 Acq On : 16 Apr 2020 09:18
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:20:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 15:18:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	299921	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143559	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85313	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.93	69	79745	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.59	63	169953	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.68	46	325426	52.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	5.10	84	161396	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.74	65	96227	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.76	84	324571	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.72	67	111963	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.92	98	288526	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	50833	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.66	63	290815	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95399	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	109202	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	134520	5.170	ug/L 99
3) Chloromethane	1.53	50	147076	4.572	ug/L 99
5) Vinyl chloride	1.62	62	154367	4.885	ug/L 98
6) Bromomethane	1.87	94	64356	3.547	ug/L 97
8) Chloroethane	1.95	64	90315	4.867	ug/L 98
9) Trichlorofluoromethane	2.16	101	171474	5.057	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	98691	4.998	ug/L 98
12) 1,1-Dichloroethene	2.60	96	96748	4.674	ug/L 93
13) Acetone	2.67	43	218660	53.208	ug/L 97
14) Carbon disulfide	2.82	76	353564	4.679	ug/L 100
15) Methyl Acetate	2.99	43	59557	5.212	ug/L 96
16) Methylene chloride	3.08	84	111670	4.786	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	300397	5.012	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	108269	4.825	ug/L 99
19) 1,1-Dichloroethane	3.91	63	220111	5.071	ug/L 99
21) 2-Butanone	4.76	43	402241	53.872	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	117996	4.867	ug/L 95

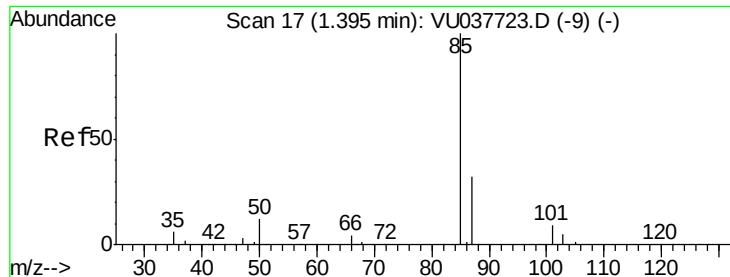
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037745.D
 Acq On : 16 Apr 2020 09:18
 Operator : JC/MD
 Sample : VSTDCCC005
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:20:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 15:18:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	49555	4.823	ug/L	91
25) Chloroform	5.13	83	212356	5.151	ug/L	100
27) 1,2-Dichloroethane	5.83	62	146827	5.269	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	177254	5.103	ug/L	99
30) Cyclohexane	5.42	56	220309	5.124	ug/L	98
31) Carbon tetrachloride	5.56	117	141131	5.099	ug/L	99
33) Benzene	5.81	78	471510	4.985	ug/L	100
34) Trichloroethene	6.57	95	116641	5.018	ug/L	96
35) Methylcyclohexane	6.79	83	210249	5.161	ug/L	98
37) 1,2-Dichloropropane	6.82	63	129901	5.178	ug/L	100
38) Bromodichloromethane	7.13	83	154717	5.187	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	201354	5.127	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	986557	53.492	ug/L	99
42) Toluene	8.00	91	499091	5.037	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	174822	5.128	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	85800	5.075	ug/L	100
47) Tetrachloroethene	8.58	164	82646	4.948	ug/L	97
48) 2-Hexanone	8.71	43	708188	53.631	ug/L	99
49) Dibromochloromethane	8.83	129	97457	5.044	ug/L	98
50) 1,2-Dibromoethane	8.95	107	82797	5.093	ug/L	97
51) Chlorobenzene	9.47	112	298840	4.943	ug/L	97
52) Ethylbenzene	9.59	91	559203	5.073	ug/L	97
53) m,p-Xylene	9.71	106	209034	5.010	ug/L	97
54) o-Xylene	10.12	106	204001	4.968	ug/L	97
55) Styrene	10.13	104	349324	4.977	ug/L	99
56) Isopropylbenzene	10.50	105	545663	5.066	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	112270	5.102	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	85276	5.194	ug/L	99
61) Bromoform	10.31	173	57267	5.021	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	243465	5.063	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	241279	5.004	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	227147	5.018	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19896	4.742	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	181445	5.146	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	164169	5.073	ug/L	99
69) Naphthalene	14.12	128	327004	4.989	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	146645	5.085	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.170 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

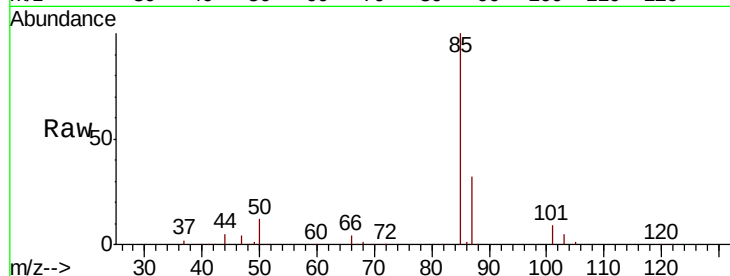
ClientSampled :

Tot Ion: 85 Resp: 134520

Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037723.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037723.D (-9) (-)

1.39

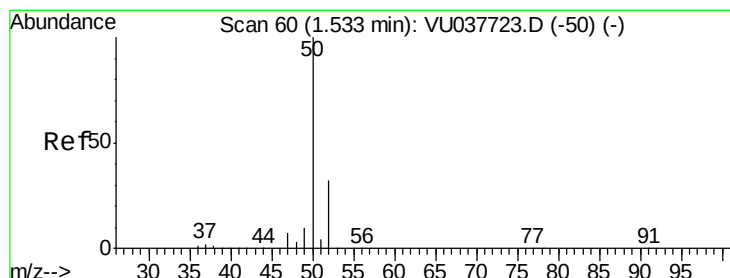
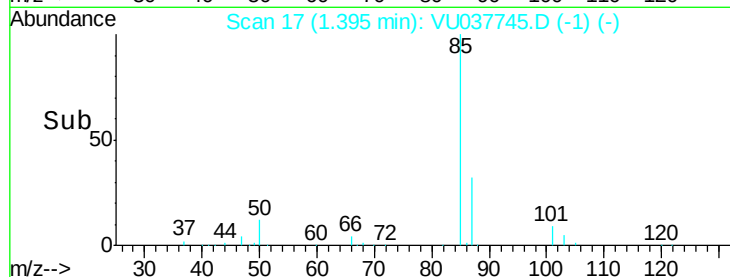
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.572 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037745.D

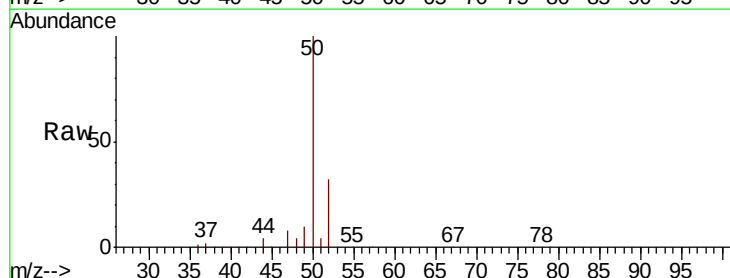
Acq: 16 Apr 2020 09:18

Tgt Ion: 50 Resp: 147076

Ion Ratio Lower Upper

50 100

52 32.4 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037723.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037723.D (-50) (-)

1.53

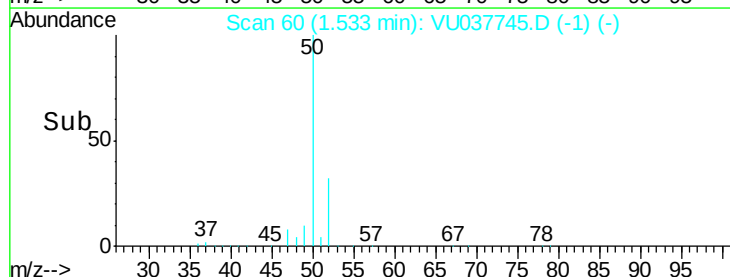
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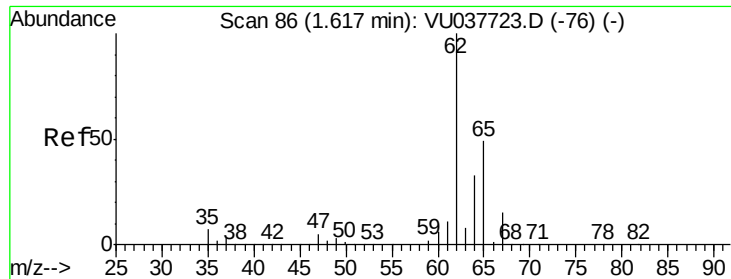
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.885 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

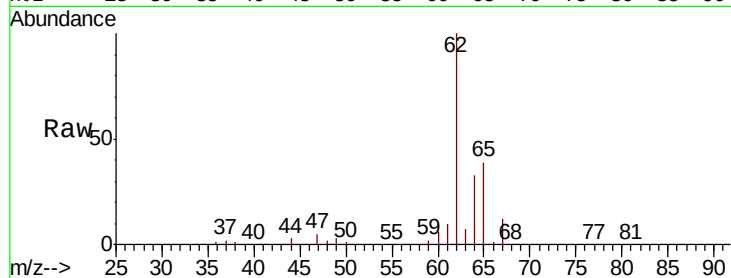
ClientSampleId :

Tot Ion: 62 Resp: 154367

Ion Ratio Lower Upper

62 100

64 32.8 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

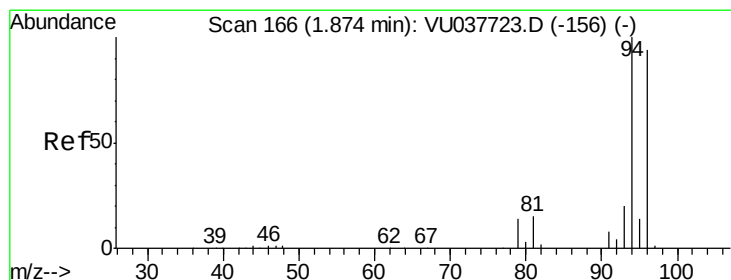
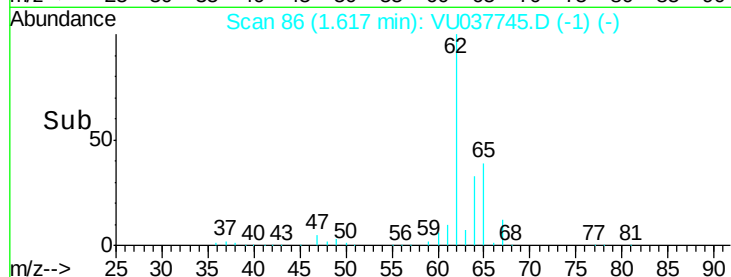
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 3.547 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037745.D

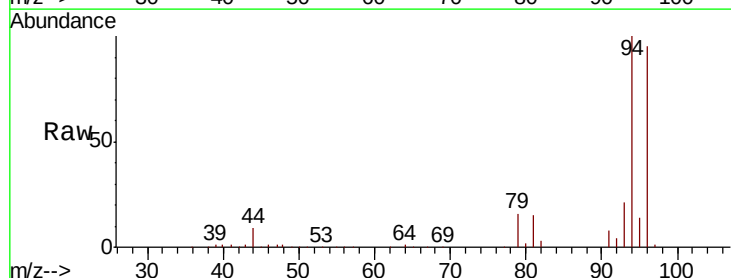
Acq: 16 Apr 2020 09:18

Tgt Ion: 94 Resp: 64356

Ion Ratio Lower Upper

94 100

96 95.2 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

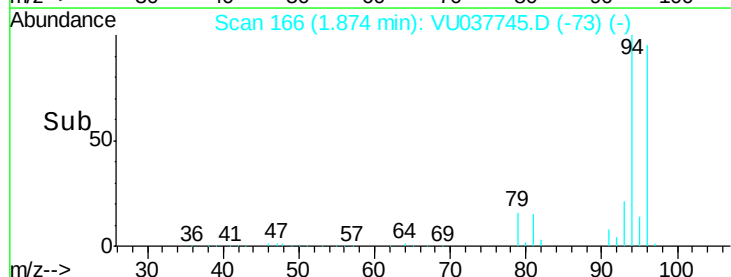
30000

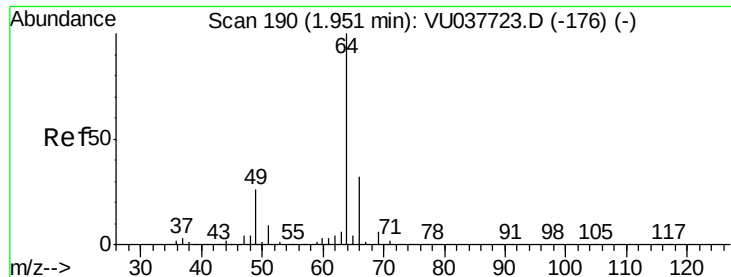
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.867 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

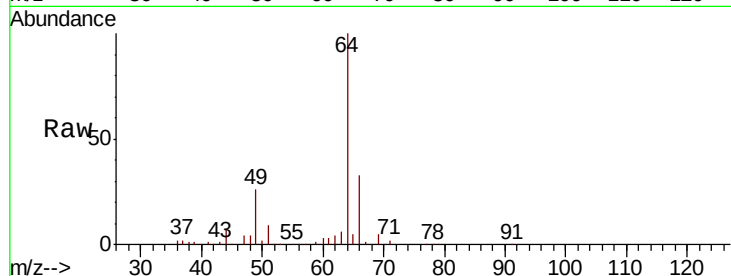
ClientSampleId :

Tot Ion: 64 Resp: 90315

Ion Ratio Lower Upper

64 100

66 33.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU037723.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU037723.D (-176) (-)

1.95

80000

60000

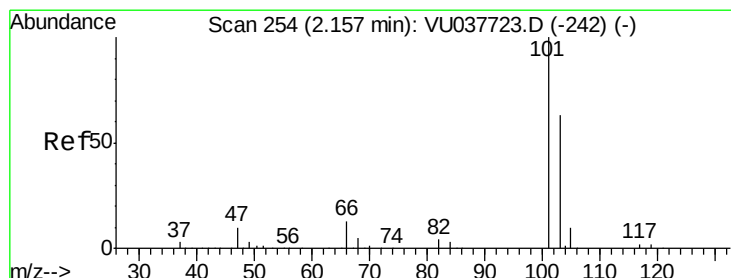
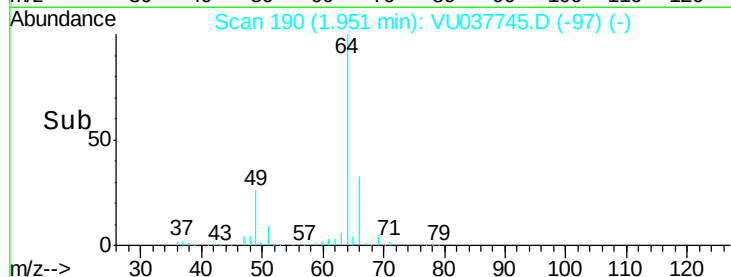
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.057 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037745.D

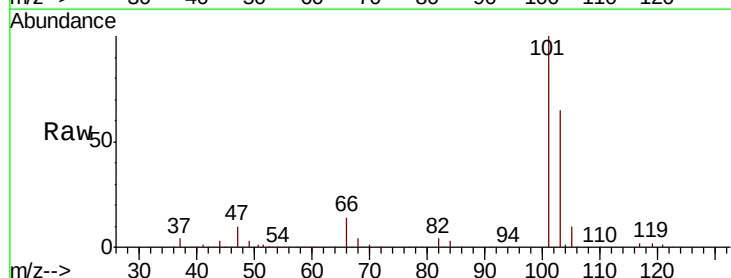
Acq: 16 Apr 2020 09:18

Tgt Ion:101 Resp: 171474

Ion Ratio Lower Upper

101 100

103 64.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU037723.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037723.D (-242) (-)

2.16

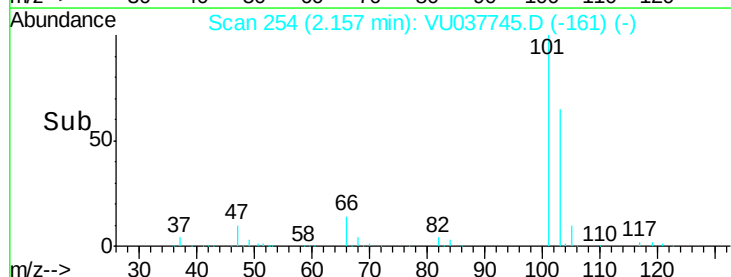
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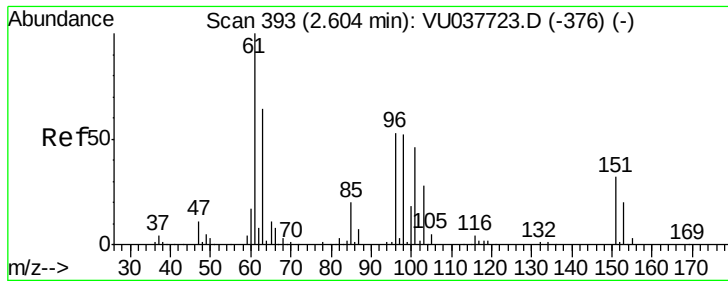
50000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 4.998 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

ClientSampleId :

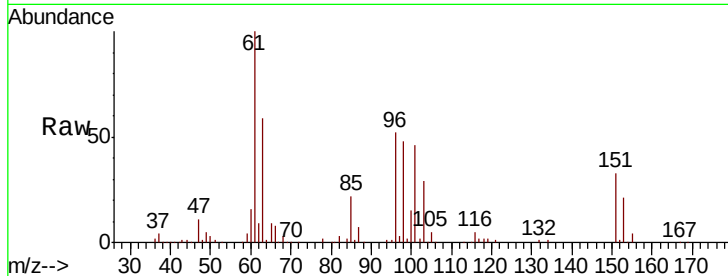
Tot Ion:101 Resp: 98691

Ion Ratio Lower Upper

101 100

85 46.0 34.5 51.7

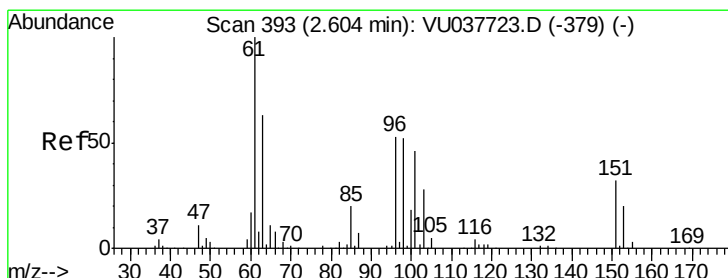
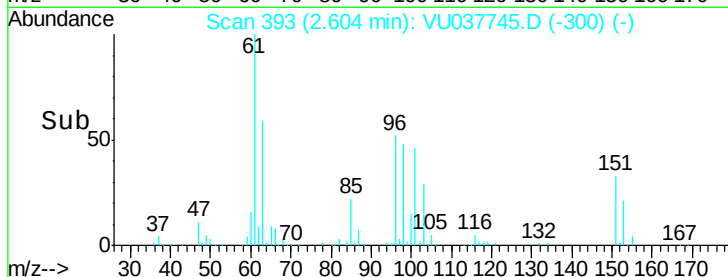
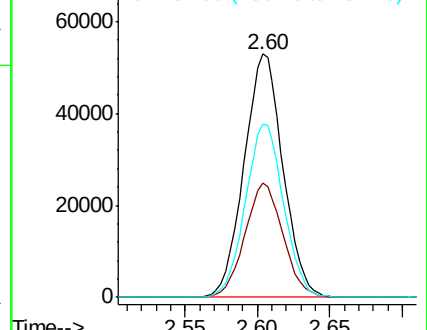
151 70.1 56.9 85.3



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: 4.674 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

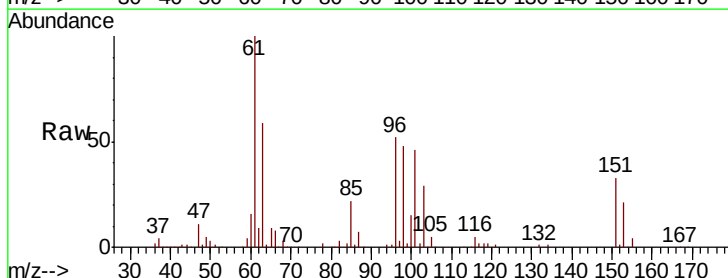
Tgt Ion: 96 Resp: 96748

Ion Ratio Lower Upper

96 100

61 190.6 127.7 237.3

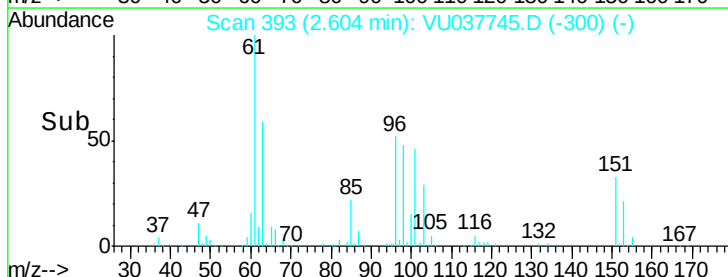
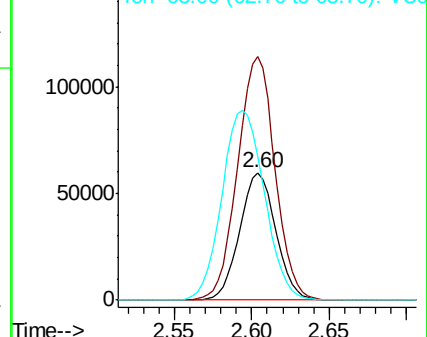
63 112.3 85.0 157.8

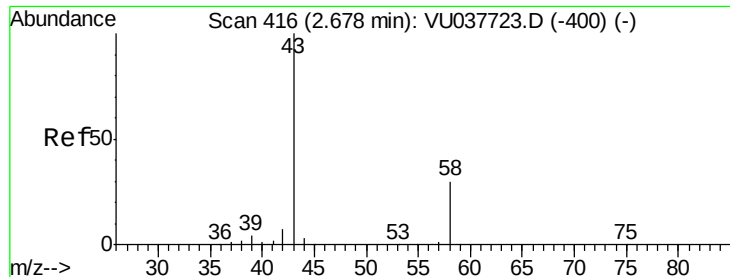


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.208 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

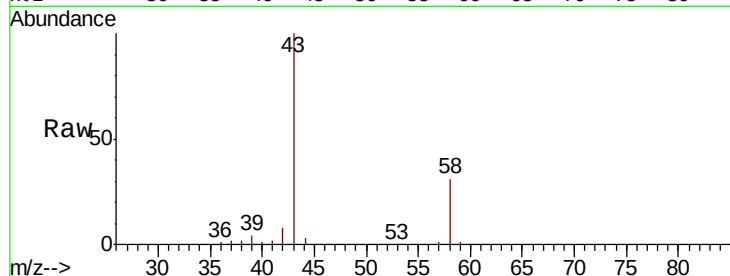
ClientSampleId :

Tot Ion: 43 Resp: 218660

Ion Ratio Lower Upper

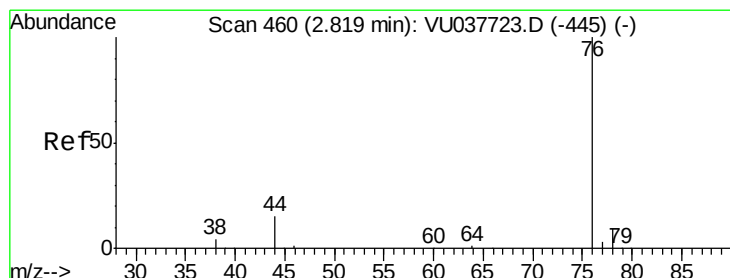
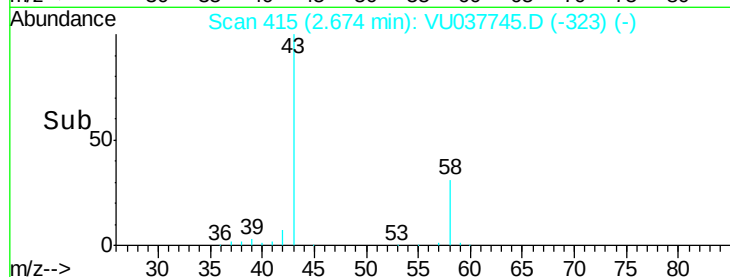
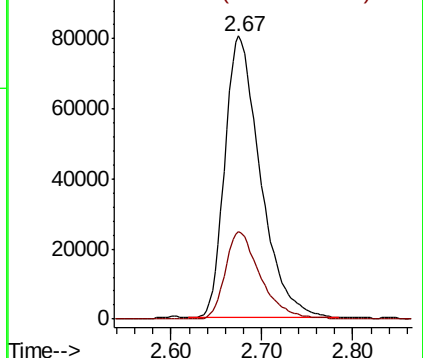
43 100

58 30.8 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037723.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037723.D (-400) (-)



#14

Carbon disulfide

Concen: 4.679 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037745.D

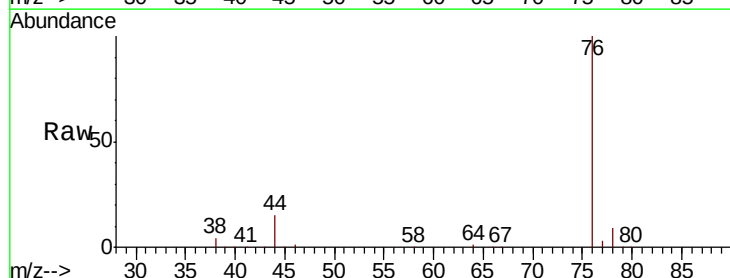
Acq: 16 Apr 2020 09:18

Tgt Ion: 76 Resp: 353564

Ion Ratio Lower Upper

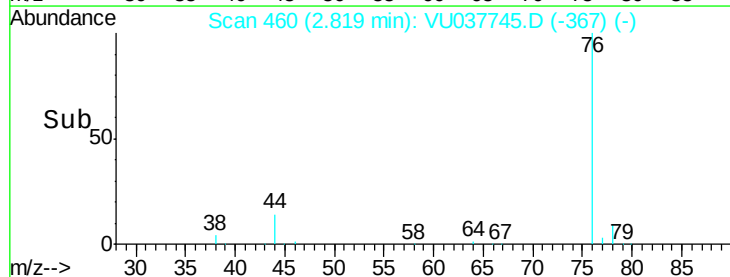
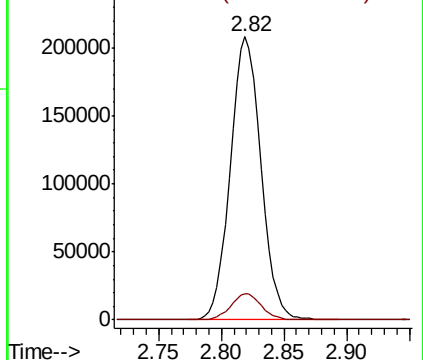
76 100

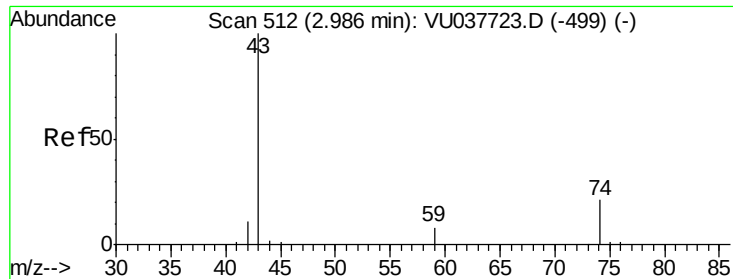
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037723.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037723.D (-445) (-)

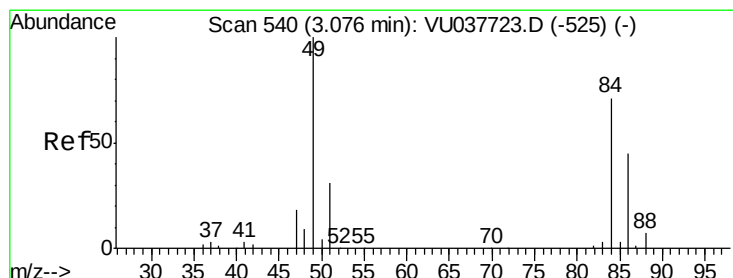
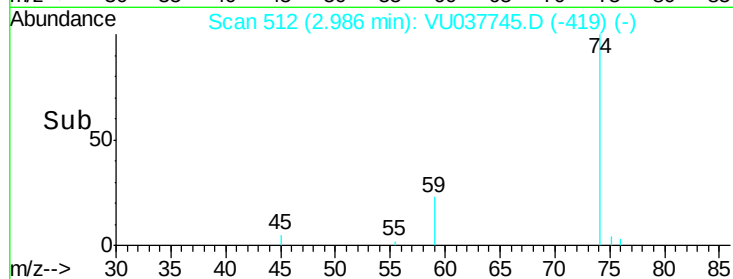
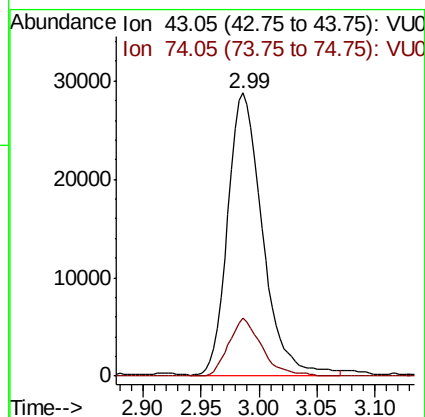
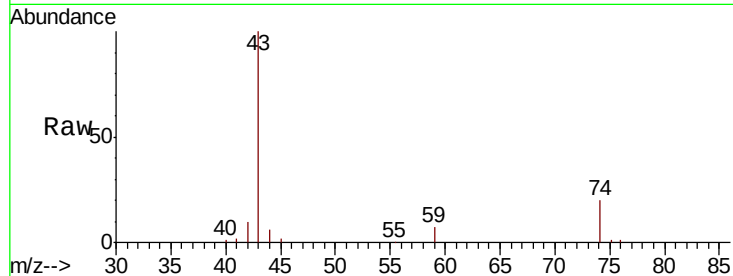




#15
Methyl Acetate
Concen: 5.212 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

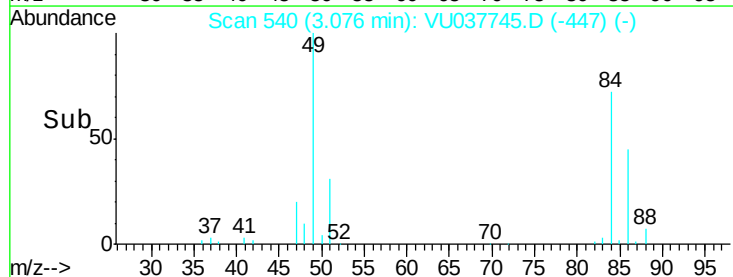
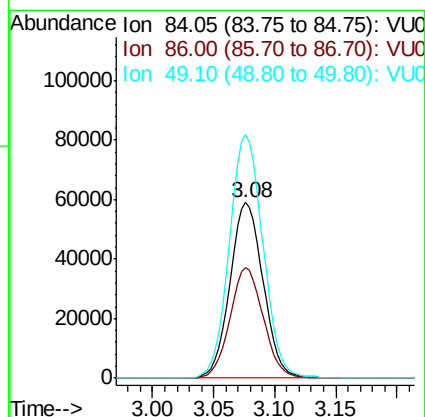
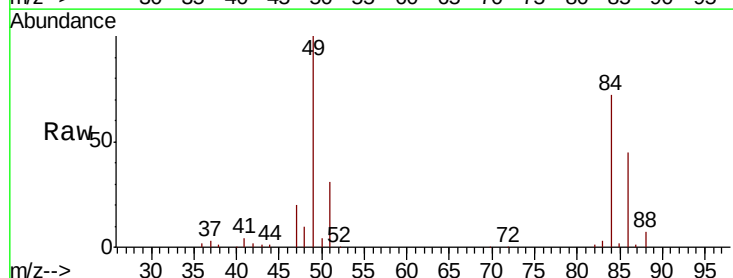
Instrument :
MSVOA_U
ClientSampleId :

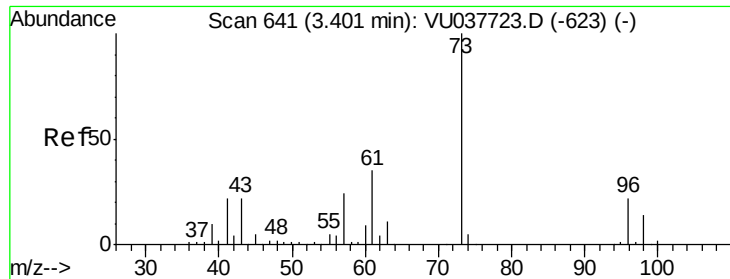
Tot Ion: 43 Resp: 59557
Ion Ratio Lower Upper
43 100
74 19.6 17.2 25.8



#16
Methylene chloride
Concen: 4.786 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion: 84 Resp: 111670
Ion Ratio Lower Upper
84 100
86 63.1 44.2 82.0
49 138.9 92.4 171.6

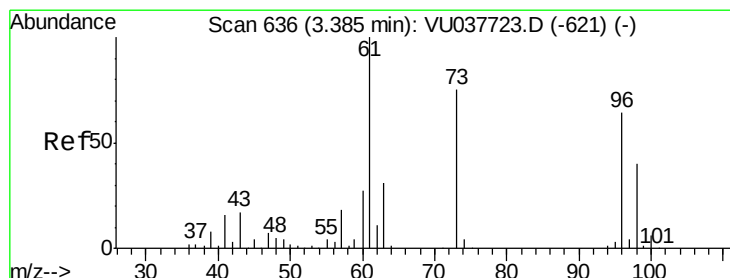
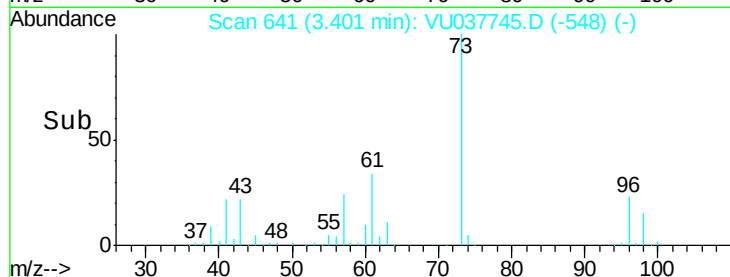
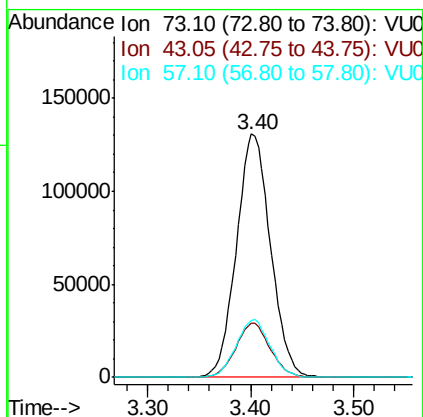
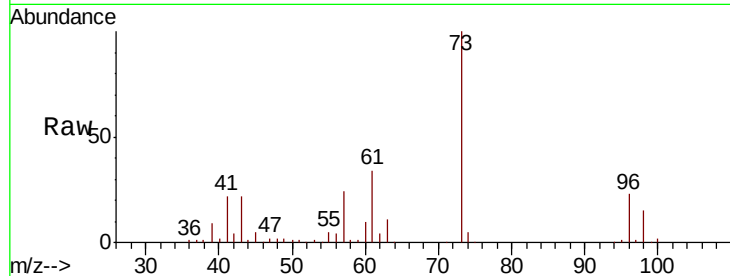




#17
Methyl tert-butyl Ether
Concen: 5.012 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

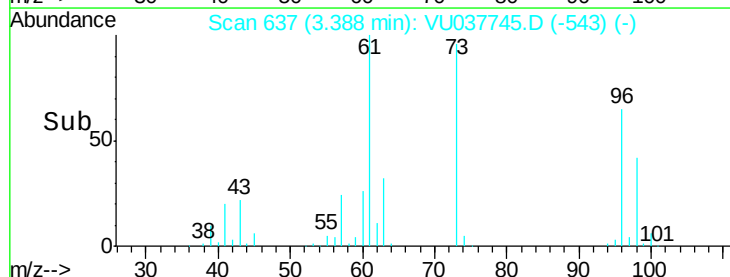
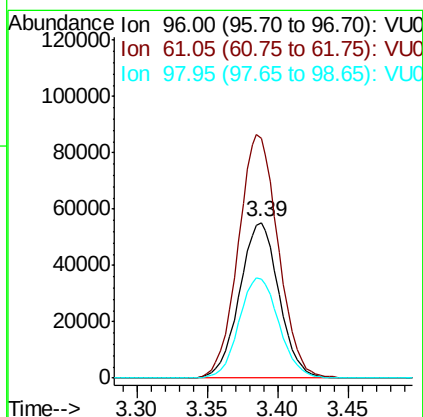
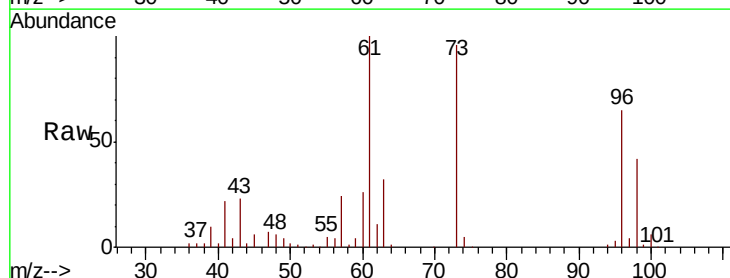
Instrument :
MSVOA_U
ClientSampleId :

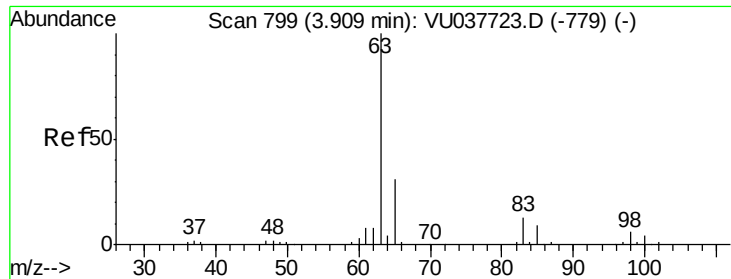
Tot Ion: 73 Resp: 300397
Ion Ratio Lower Upper
73 100
43 22.6 16.4 24.6
57 23.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.825 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion: 96 Resp: 108269
Ion Ratio Lower Upper
96 100
61 154.1 106.7 198.3
98 64.0 44.3 82.3

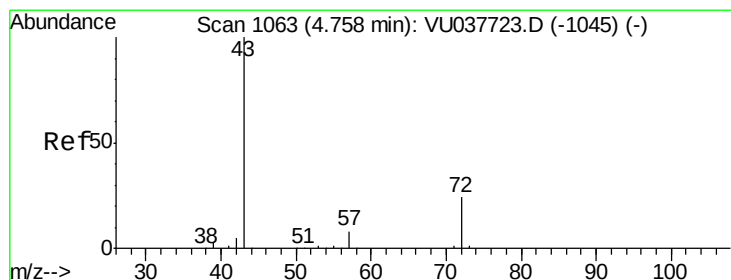
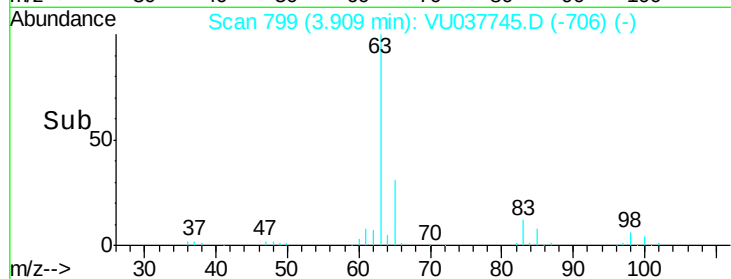
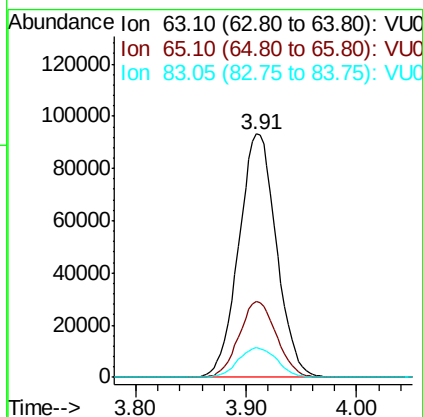
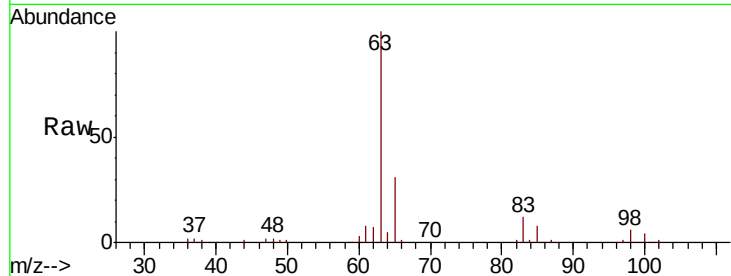




#19
 1,1-Dichloroethane
 Concen: 5.071 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

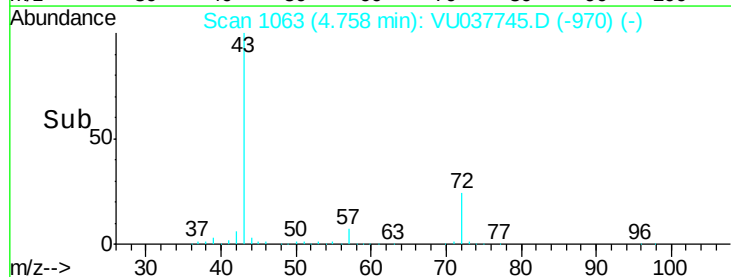
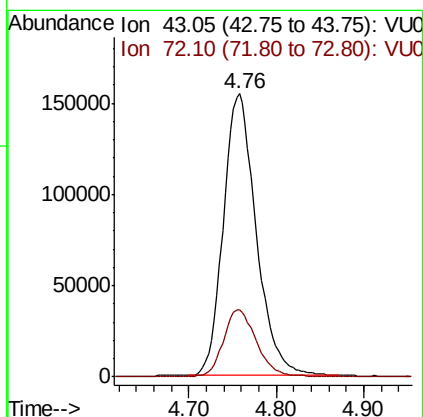
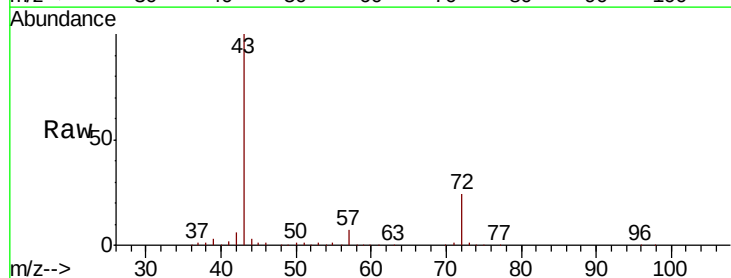
Instrument :
 MSVOA_U
 ClientSampleId :

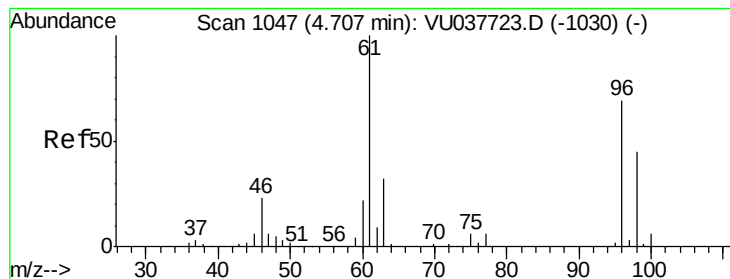
Tot Ion: 63 Resp: 220111
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.2
 83 12.1 8.6 16.0



#21
 2-Butanone
 Concen: 53.872 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion: 43 Resp: 402241
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 4.867 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :
MSVOA_U
ClientSampled :

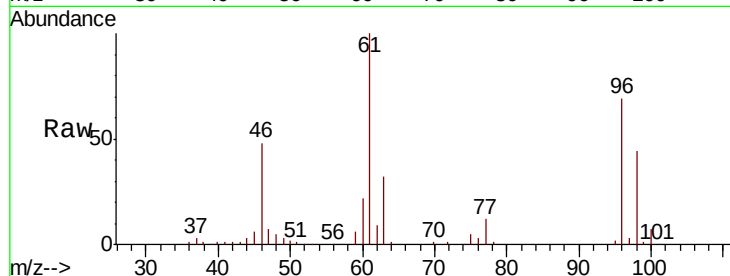
Tot Ion: 96 Resp: 117996

Ion Ratio Lower Upper

96 100

61 144.7 97.0 180.2

68 0.0 0.0 0.0

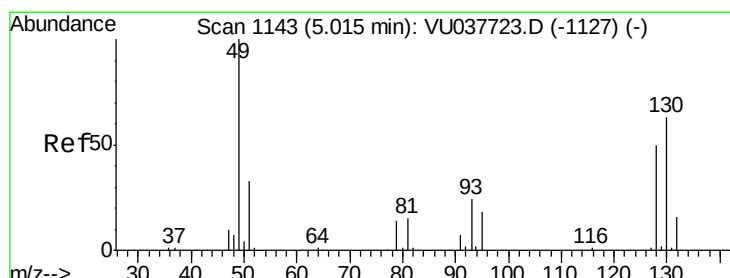
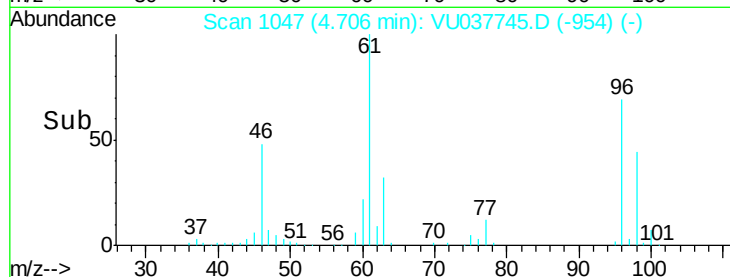
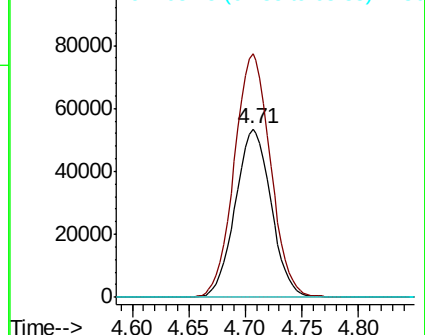


Abundance

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: 4.823 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Tgt Ion: 128 Resp: 49555

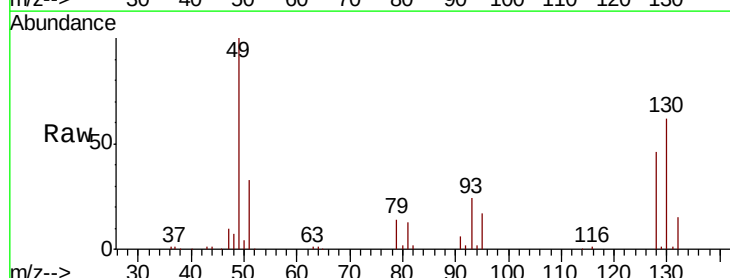
Ion Ratio Lower Upper

128 100

49 216.6 138.6 257.4

130 133.6 91.3 169.5

51 71.9 49.3 73.9



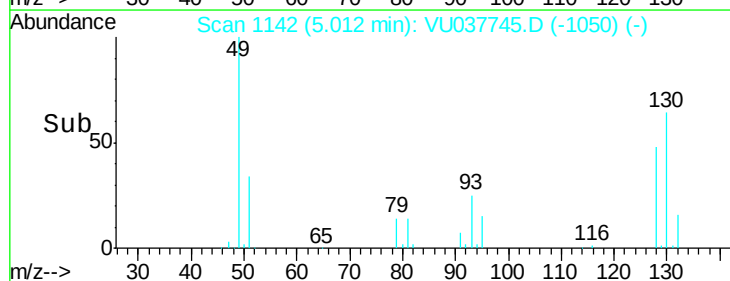
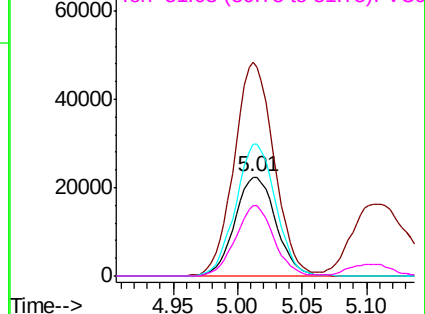
Abundance

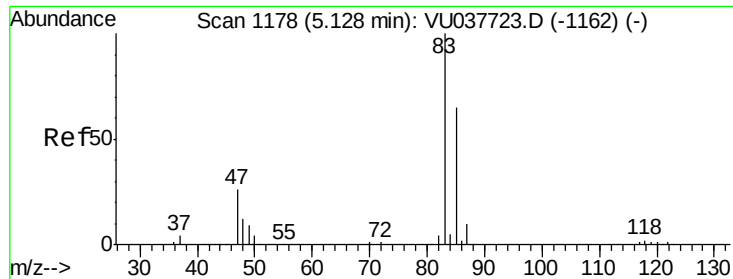
Ion 127.90 (127.60 to 128.60): V

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

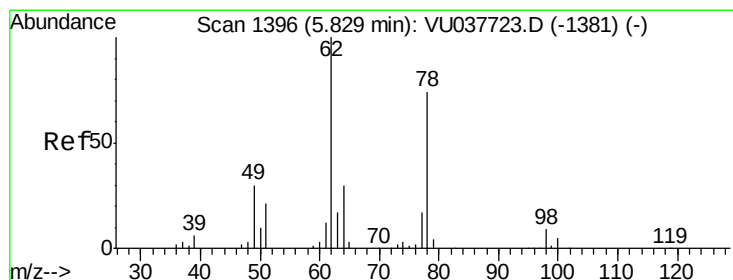
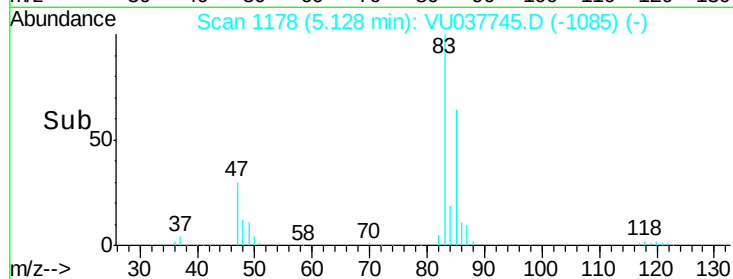
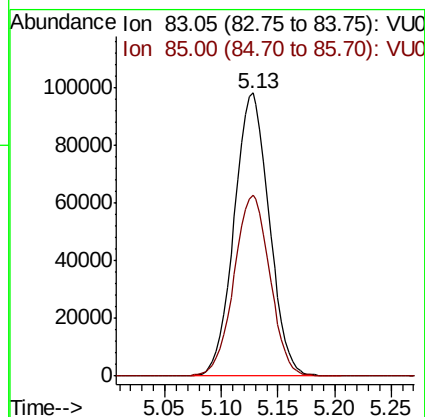
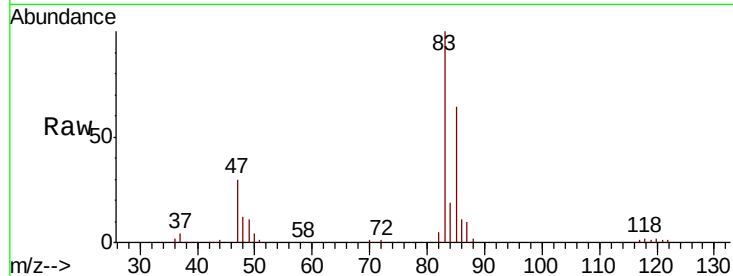




#25
Chloroform
Concen: 5.151 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

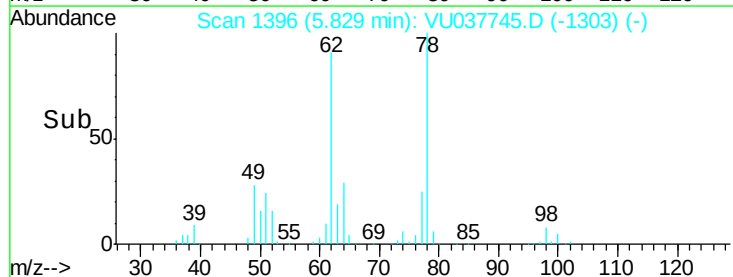
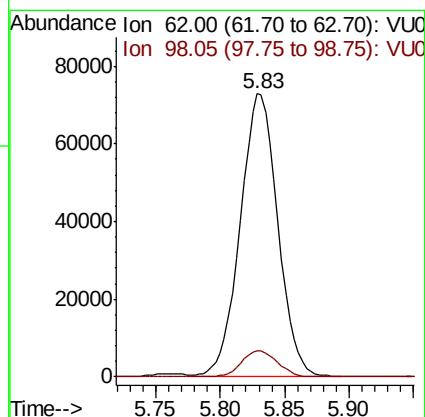
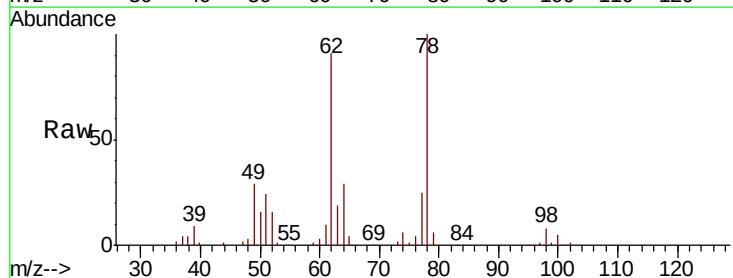
Instrument :
MSVOA_U
ClientSampleId :

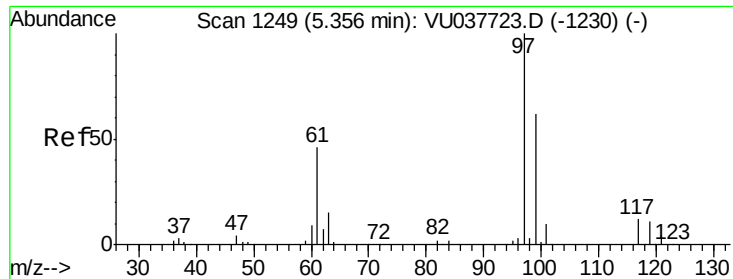
Tot Ion: 83 Resp: 212356
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.269 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion: 62 Resp: 146827
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

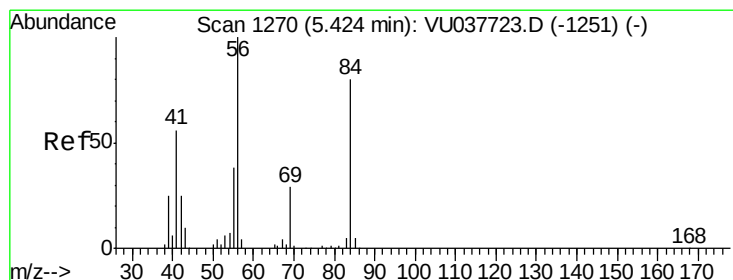
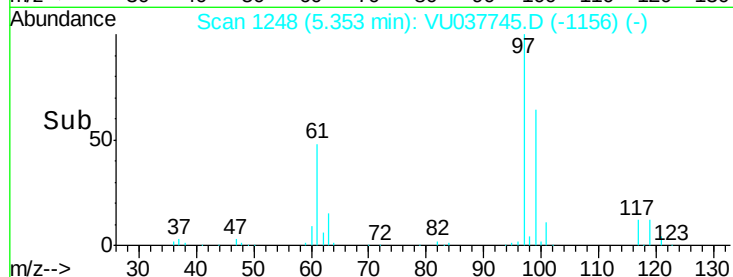
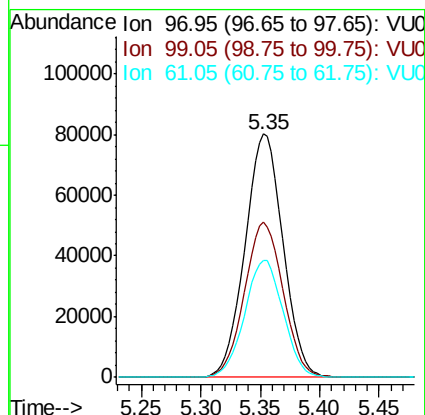
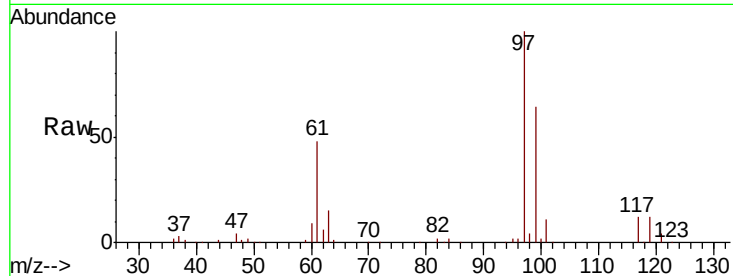




#29
 1,1,1-Trichloroethane
 Concen: 5.103 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

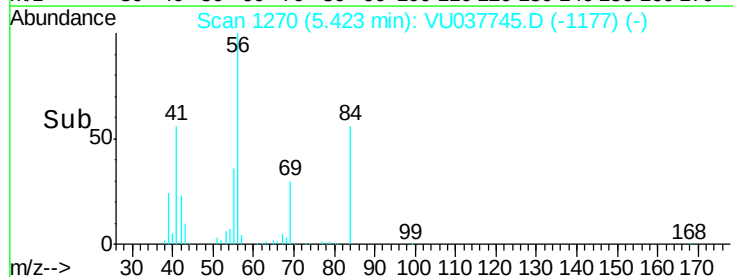
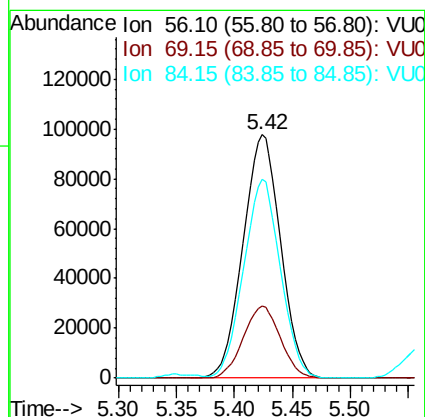
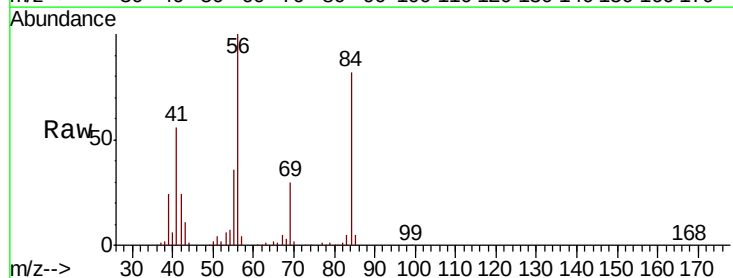
Instrument :
 MSVOA_U
 ClientSampleId :

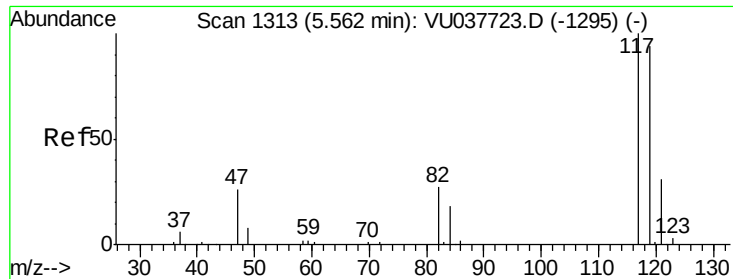
Tot Ion: 97 Resp: 177254
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 48.7 37.8 56.8



#30
 Cyclohexane
 Concen: 5.124 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion: 56 Resp: 220309
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.9 35.9
 84 79.5 65.6 98.4





#31

Carbon tetrachloride

Concen: 5.099 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

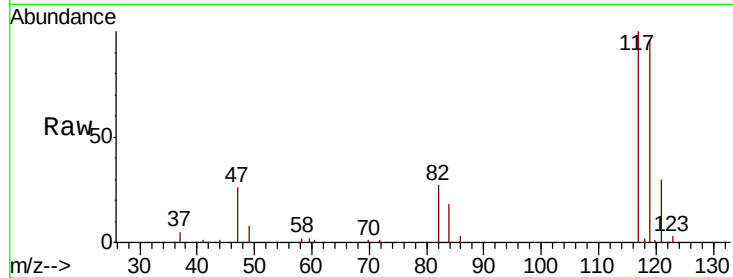
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 141131

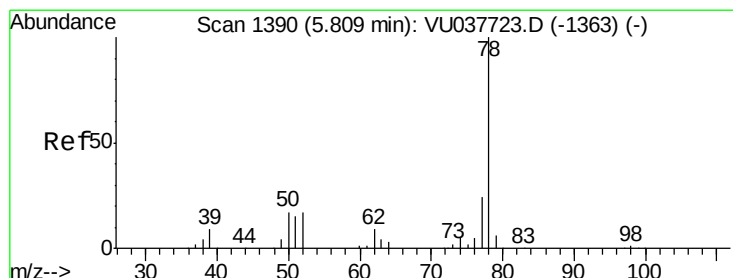
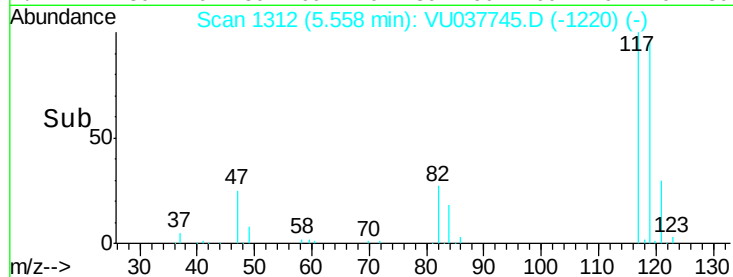
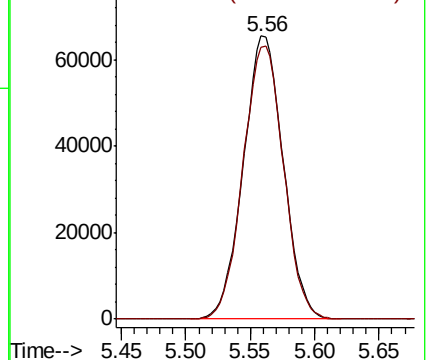
Ion Ratio Lower Upper

117 100

119 97.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.985 ug/L

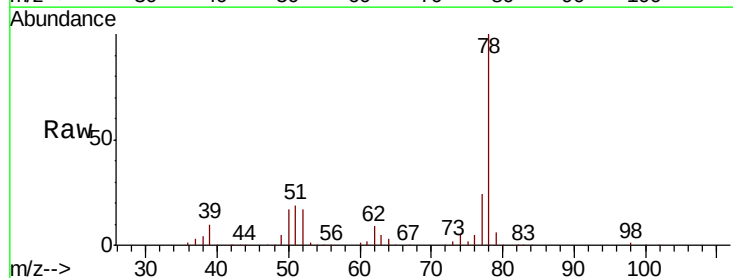
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

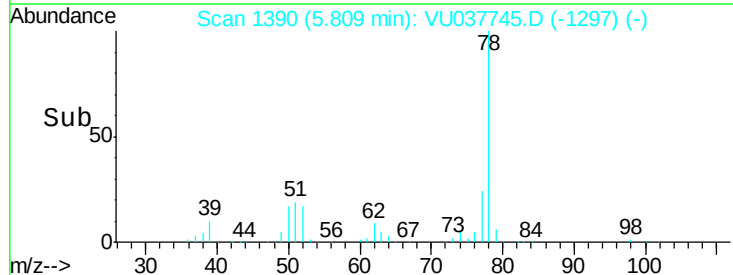
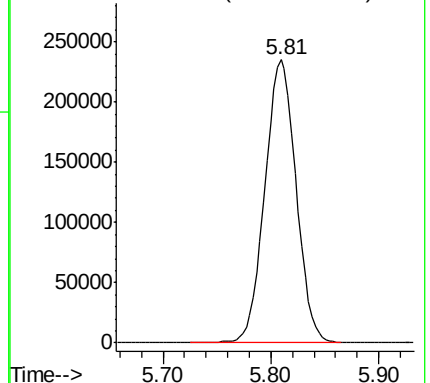
Lab File: VU037745.D

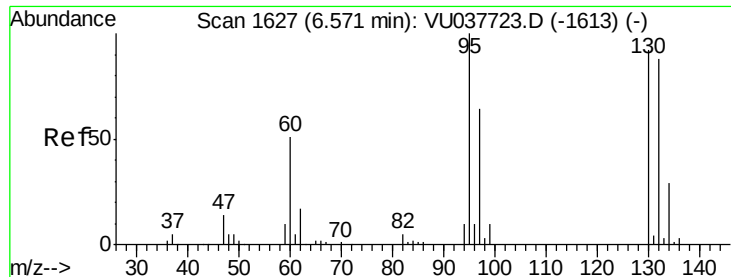
Acq: 16 Apr 2020 09:18

Tgt Ion: 78 Resp: 471510



Abundance Ion 78.10 (77.80 to 78.80): VU0

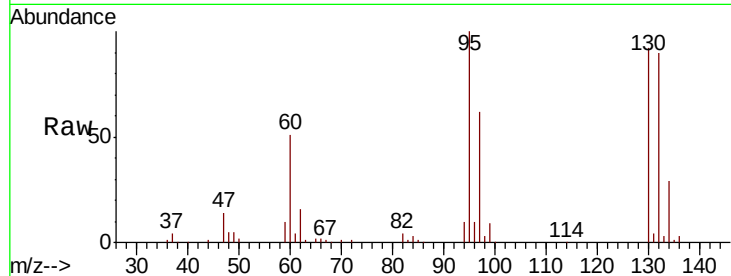




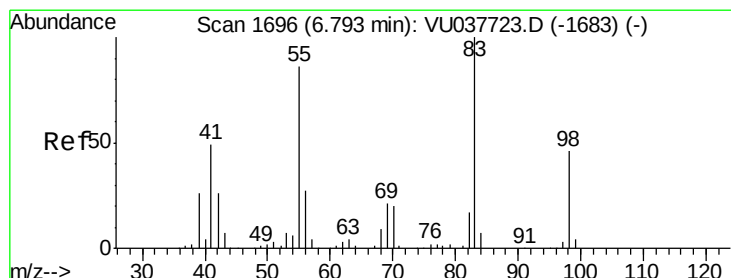
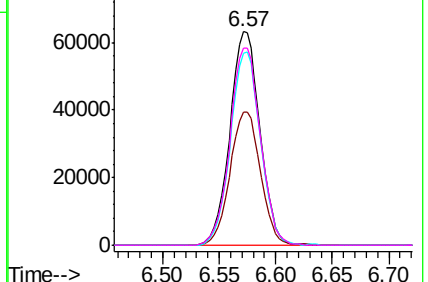
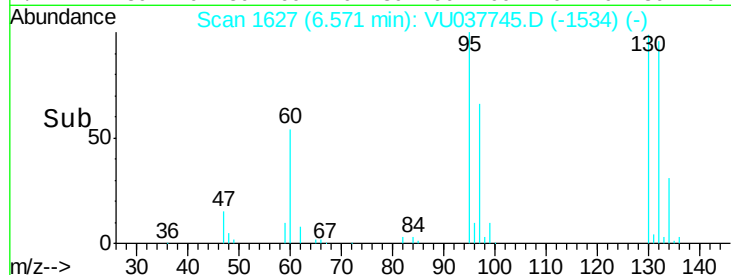
#34
 Trichloroethene
 Concen: 5.018 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 116641
 Ion Ratio Lower Upper
 95 100
 97 62.1 45.4 84.2
 132 90.0 63.7 118.3
 130 92.4 68.7 127.5

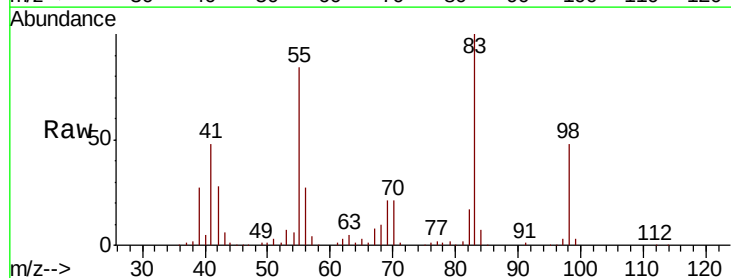


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

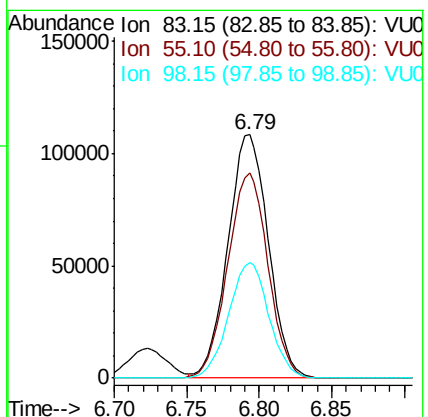
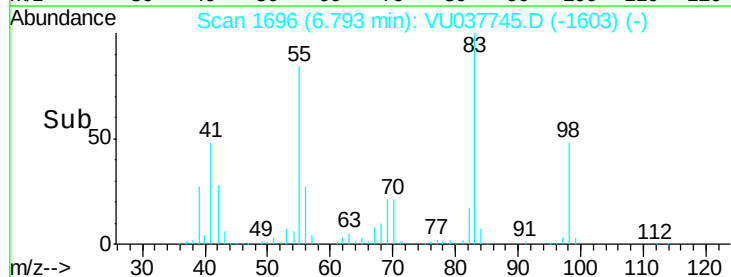


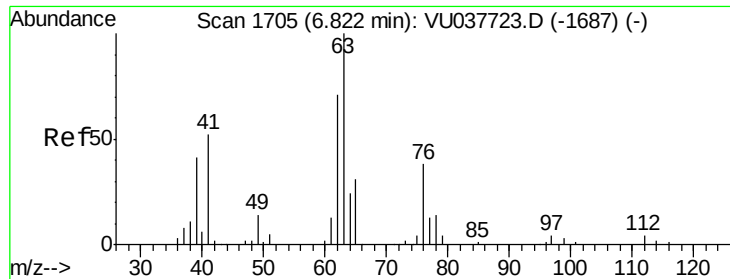
#35
 Methylcyclohexane
 Concen: 5.161 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion: 83 Resp: 210249
 Ion Ratio Lower Upper
 83 100
 55 83.7 65.5 98.3
 98 47.3 38.2 57.4



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

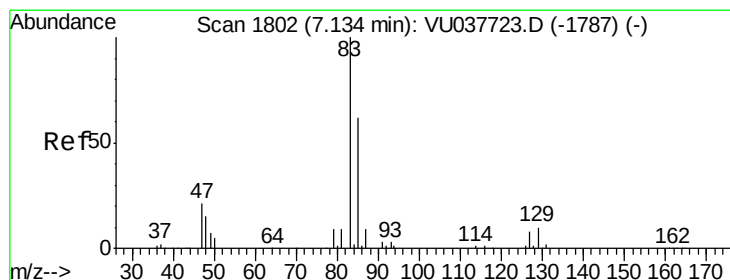
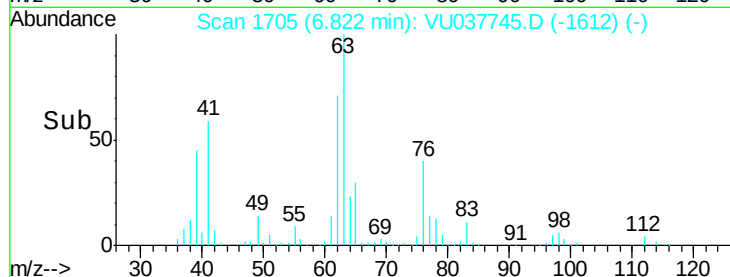
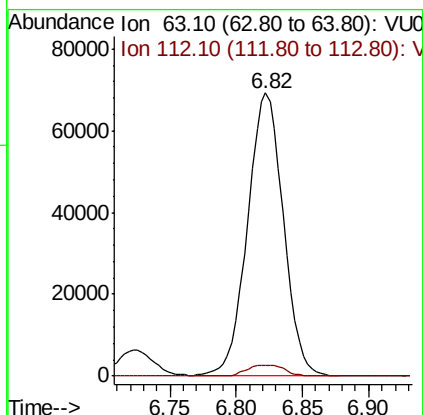
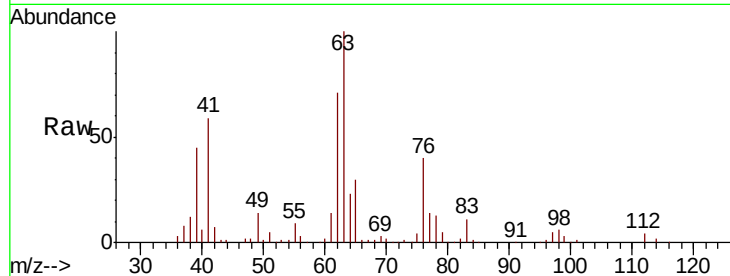




#37
 1,2-Dichloropropane
 Concen: 5.178 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

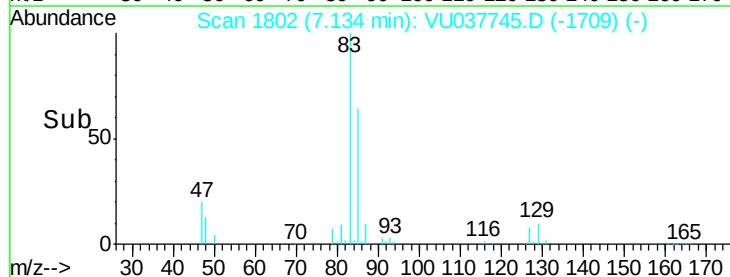
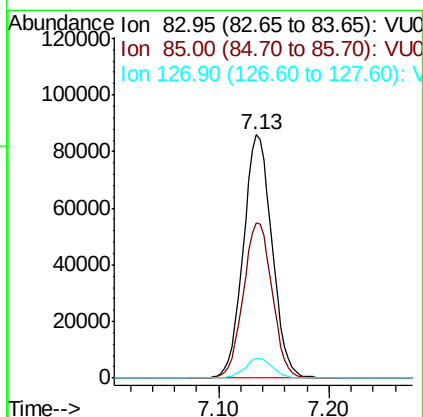
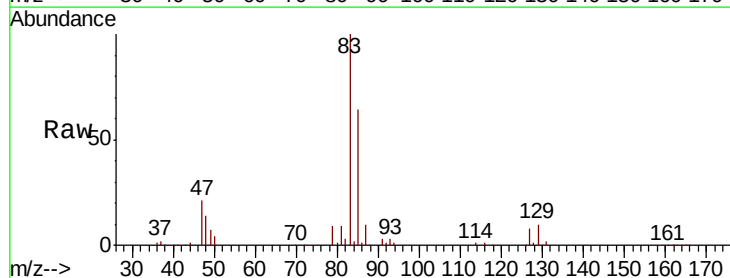
Instrument :
 MSVOA_U
 ClientSampleId :

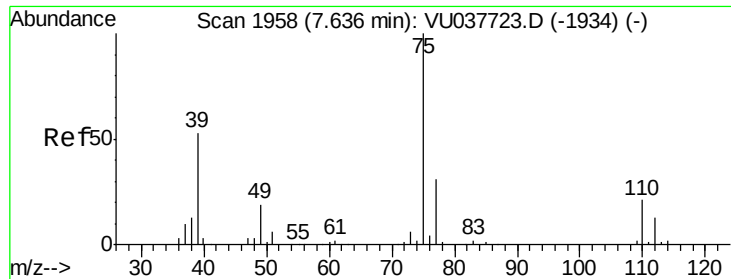
Tot Ion: 63 Resp: 129901
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.187 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion: 83 Resp: 154717
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.1 83.7
 127 8.0 6.6 9.8

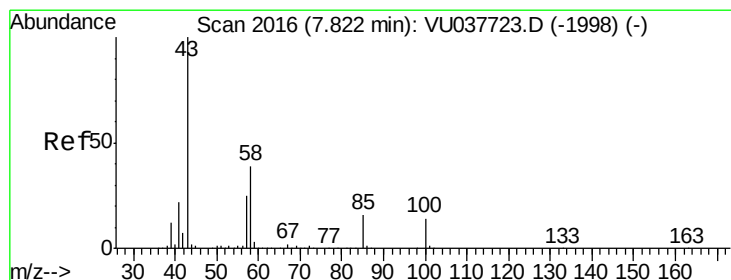
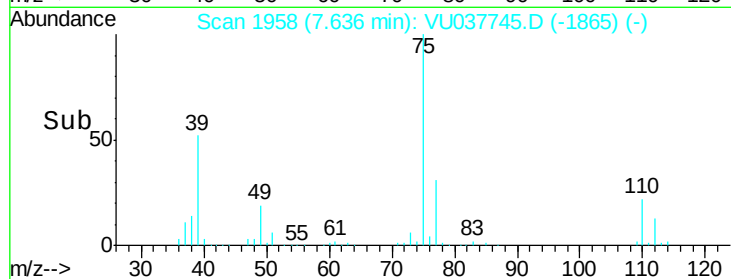
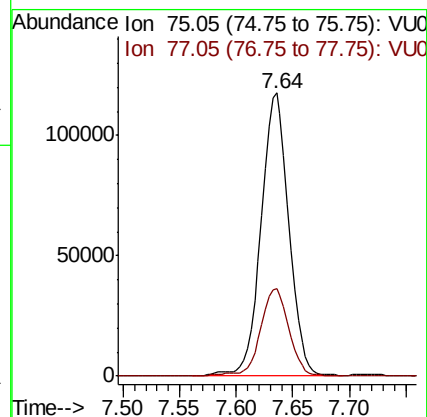
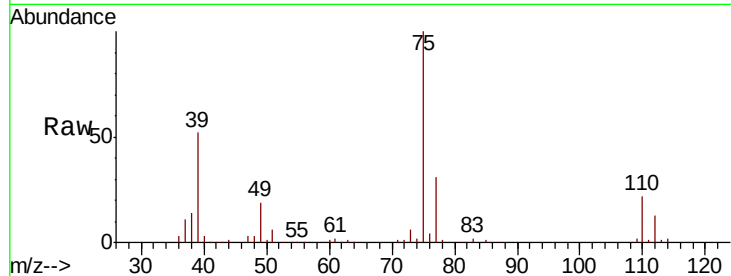




#39
 cis-1,3-Dichloropropene
 Concen: 5.127 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

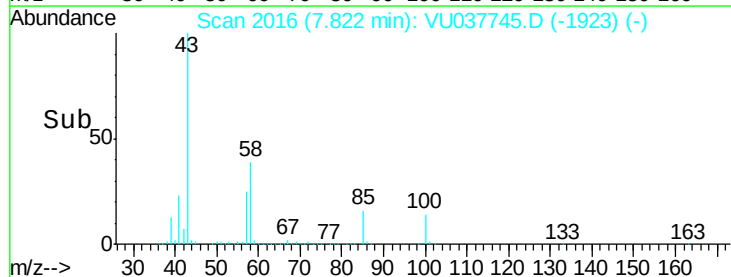
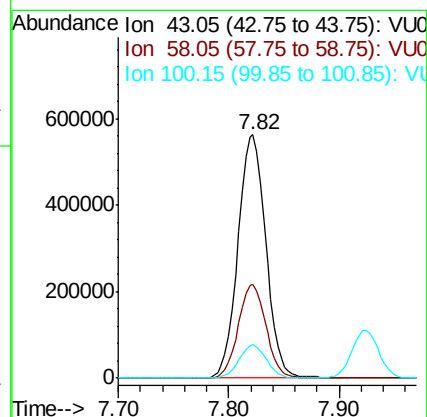
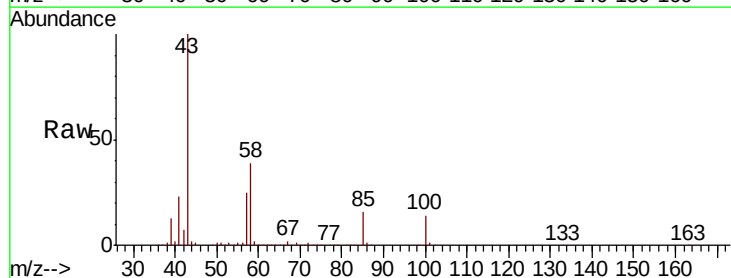
Instrument :
 MSVOA_U
 ClientSampled :

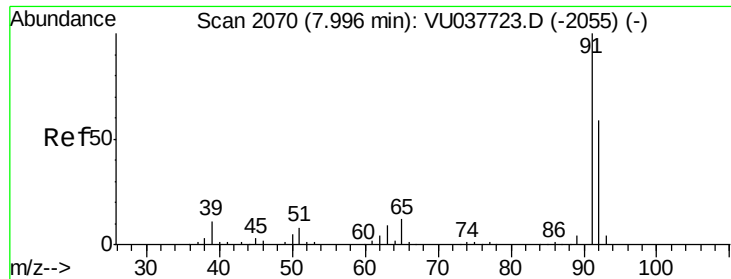
Tot Ion: 75 Resp: 201354
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 53.492 ug/L
 RT: 7.82 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion: 43 Resp: 986557
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.3 46.9
 100 13.5 11.5 17.3





#42

Toluene

Concen: 5.037 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

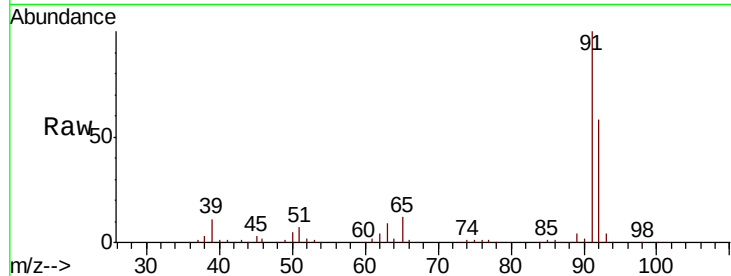
ClientSampleId :

Tot Ion: 91 Resp: 499091

Ion Ratio Lower Upper

91 100

92 58.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037723.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037723.D (-2055) (-)

8.00

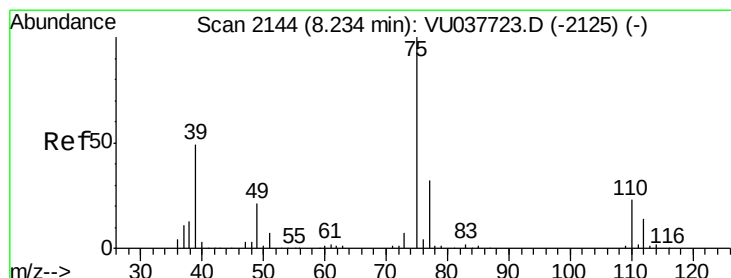
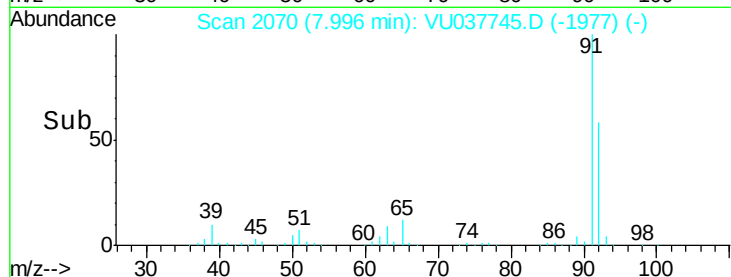
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.128 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037745.D

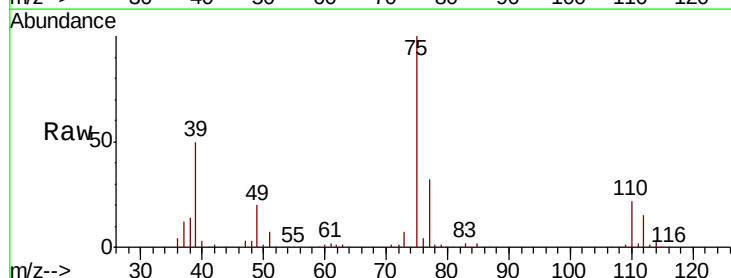
Acq: 16 Apr 2020 09:18

Tgt Ion: 75 Resp: 174822

Ion Ratio Lower Upper

75 100

77 31.6 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037723.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU037723.D (-2125) (-)

8.23

120000

100000

80000

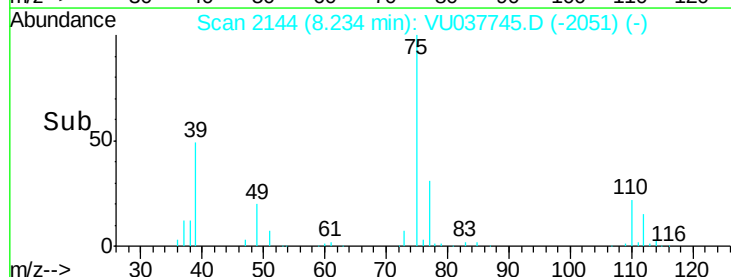
60000

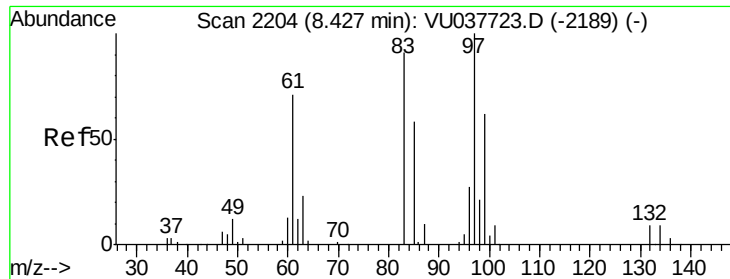
40000

20000

0

Time-->

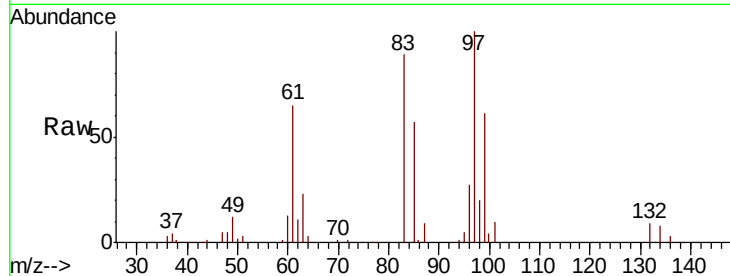




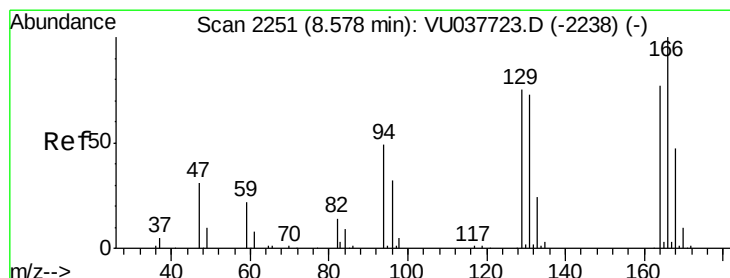
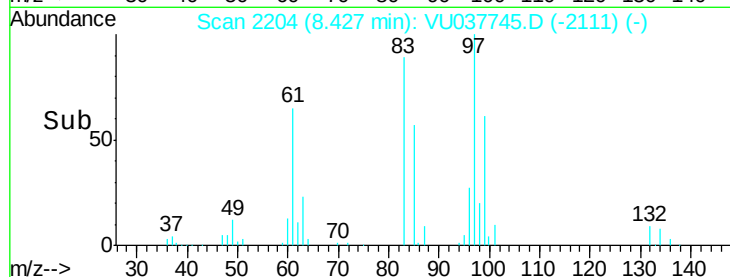
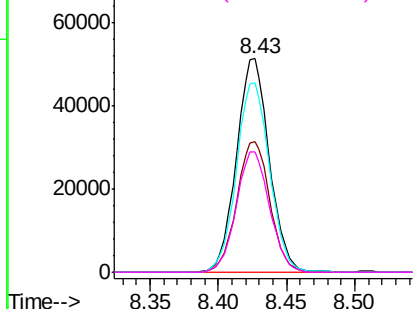
#45
 1,1,2-Trichloroethane
 Concen: 5.075 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	85800
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.1	80.1
83	88.6	62.4	116.0
85	56.5	39.6	73.6

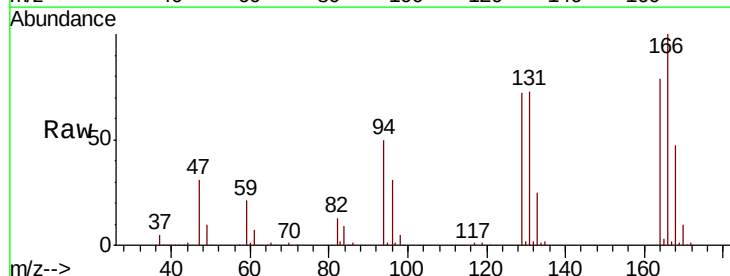


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

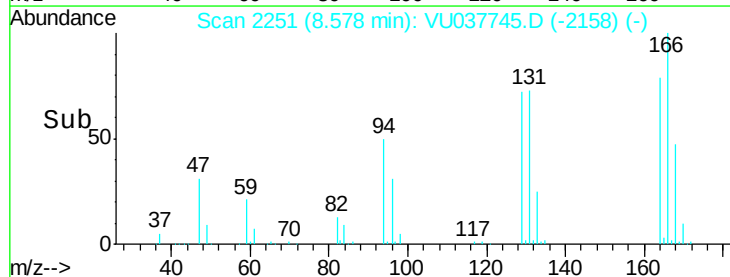
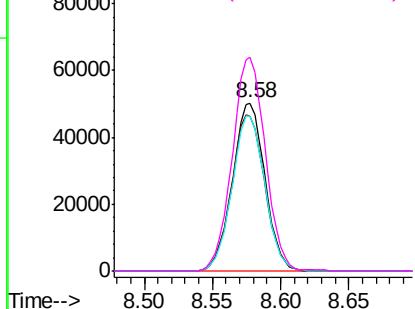


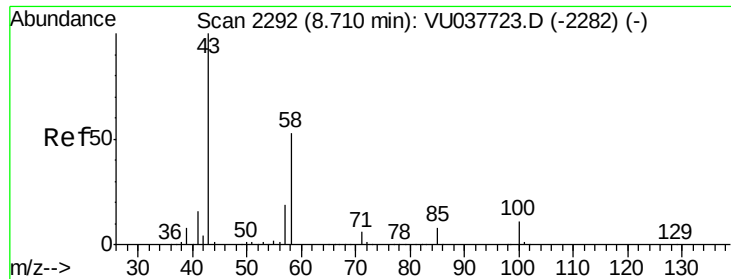
#47
 Tetrachloroethene
 Concen: 4.948 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion:	164	Resp:	82646
Ion	Ratio	Lower	Upper
164	100		
129	92.0	68.1	126.5
131	92.3	65.9	122.5
166	127.1	89.7	166.7



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

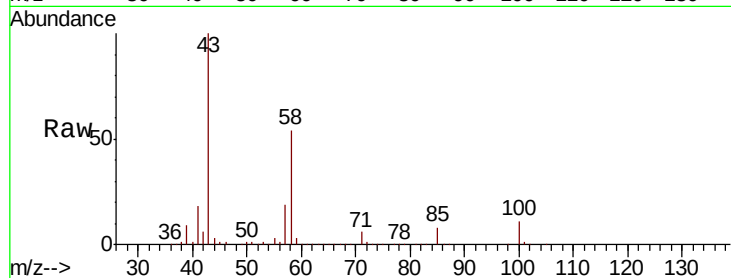




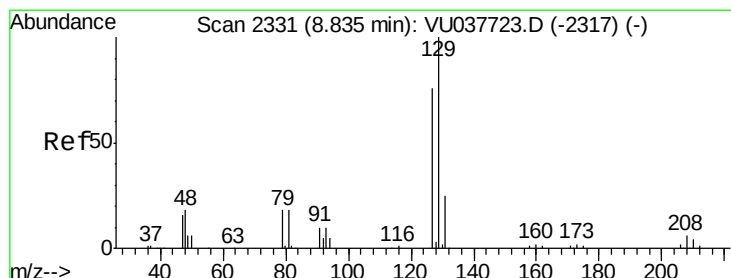
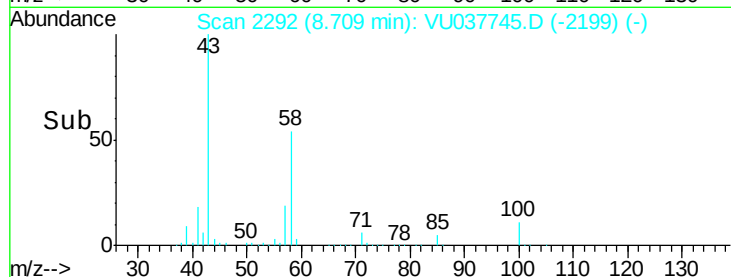
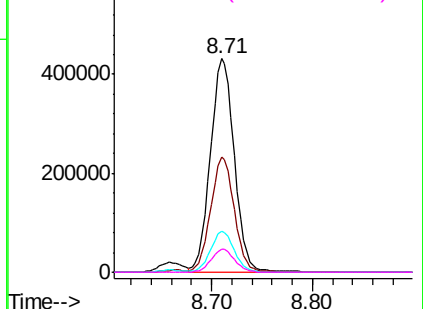
#48
2-Hexanone
Concen: 53.631 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 708188
Ion Ratio Lower Upper
43 100
58 53.8 43.6 65.4
57 18.8 15.4 23.0
100 10.8 9.1 13.7

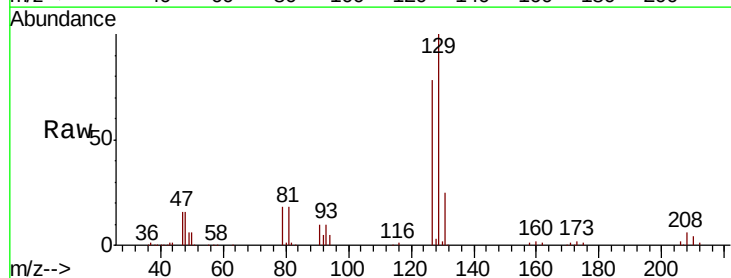


Abundance Ion 43.05 (42.75 to 43.75): VU037745.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VU037745.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VU037745.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VU037745.D (-2199) (-)

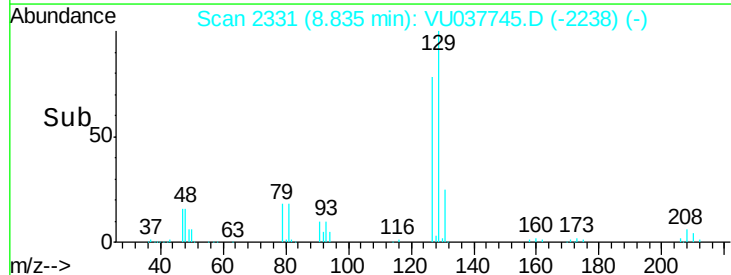
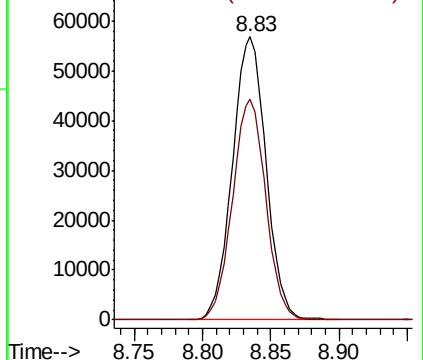


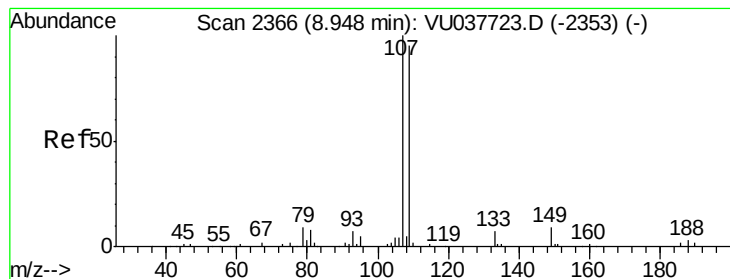
#49
Dibromochloromethane
Concen: 5.044 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion: 129 Resp: 97457
Ion Ratio Lower Upper
129 100
127 77.9 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU037745.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037745.D (-2238) (-)





#50

1,2-Dibromoethane

Concen: 5.093 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

ClientSampleId :

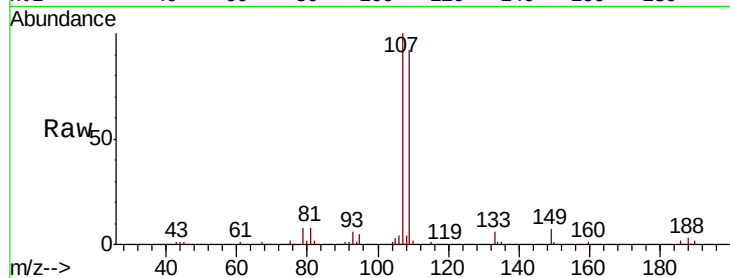
Tot Ion:107 Resp: 82797

Ion Ratio Lower Upper

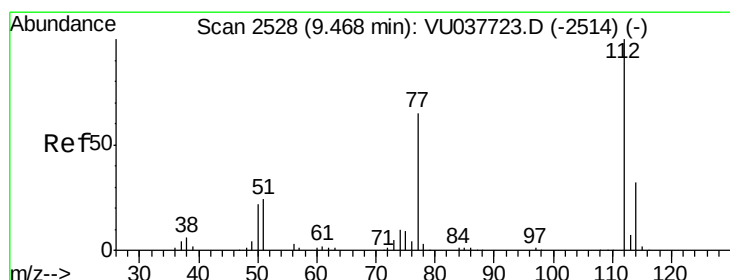
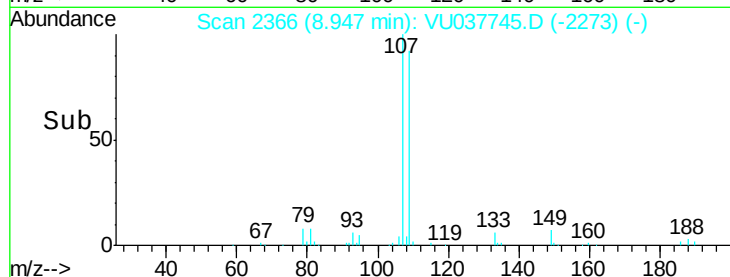
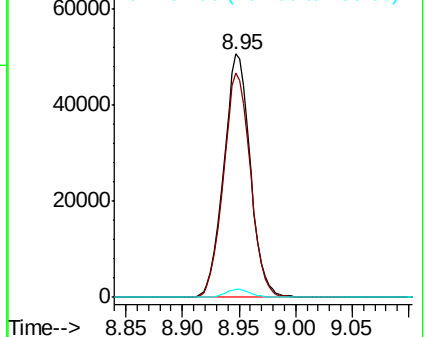
107 100

109 92.0 66.3 123.1

188 3.3 2.5 3.7



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: 4.943 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

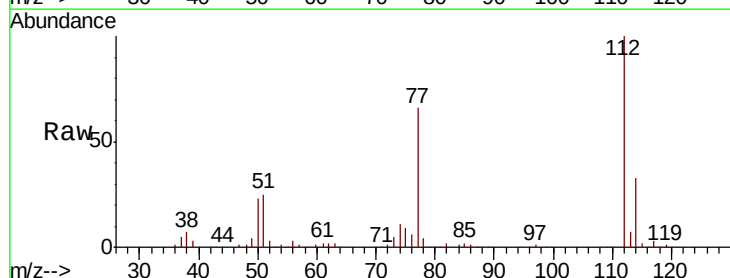
Tgt Ion:112 Resp: 298840

Ion Ratio Lower Upper

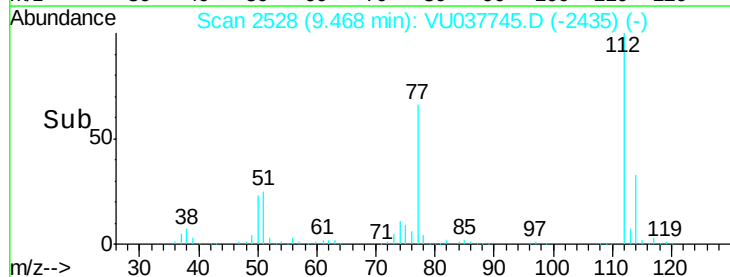
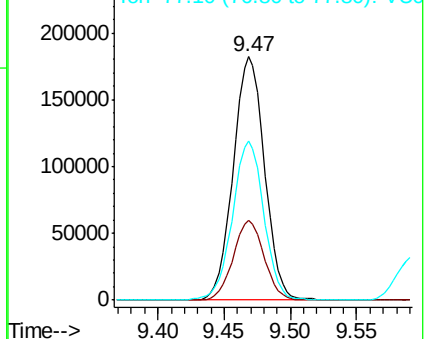
112 100

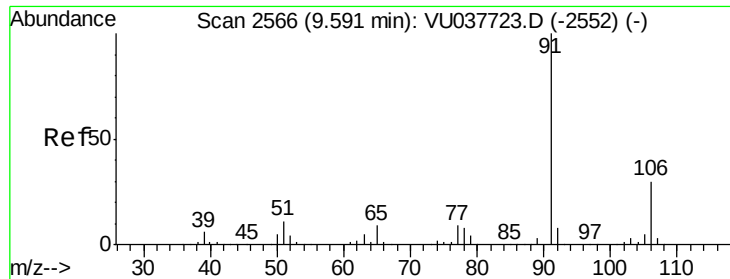
114 32.9 22.6 42.0

77 65.5 50.2 75.4



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

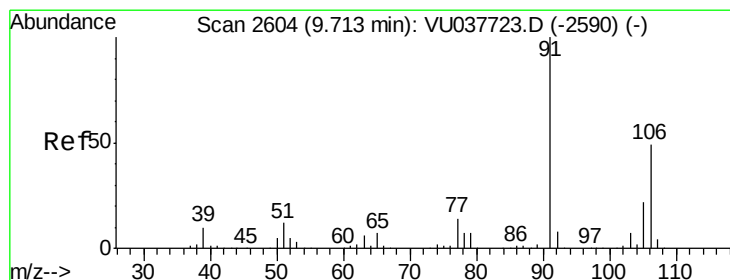
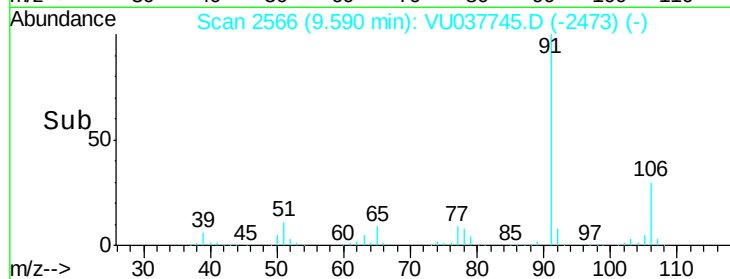
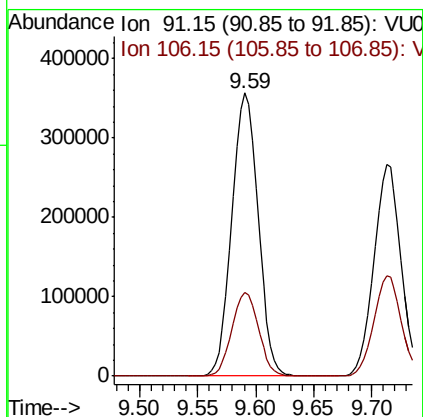
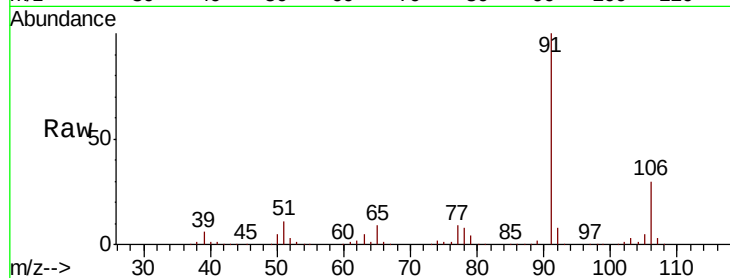




#52
Ethylbenzene
Concen: 5.073 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

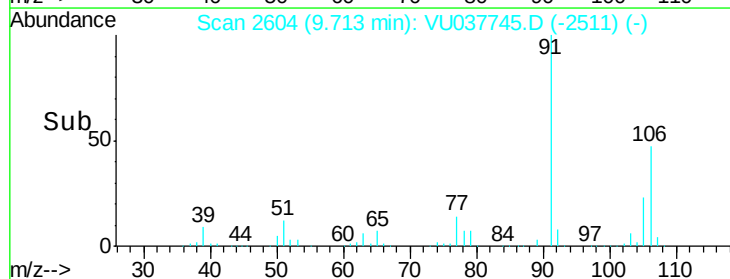
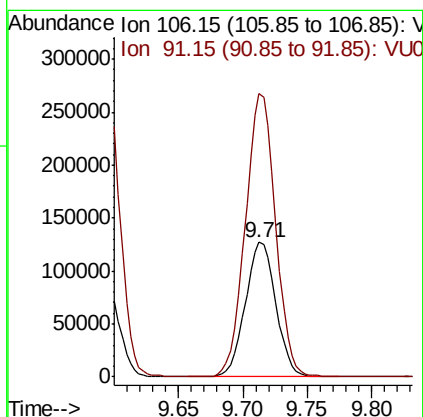
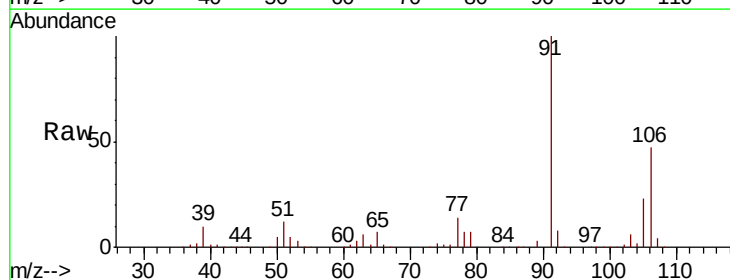
Instrument :
MSVOA_U
ClientSampleId :

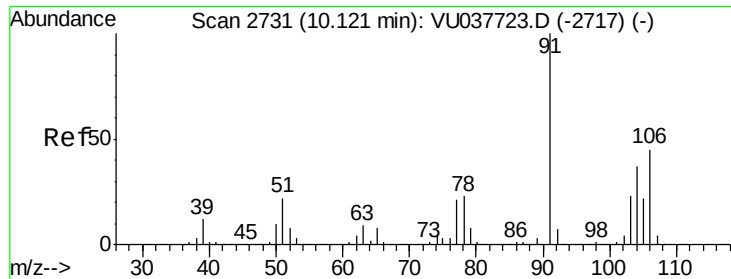
Tot Ion: 91 Resp: 559203
Ion Ratio Lower Upper
91 100
106 29.5 21.7 40.3



#53
m,p-Xylene
Concen: 5.010 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion: 106 Resp: 209034
Ion Ratio Lower Upper
106 100
91 210.6 143.9 267.3

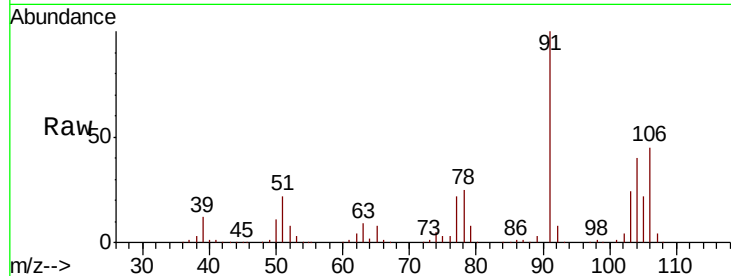




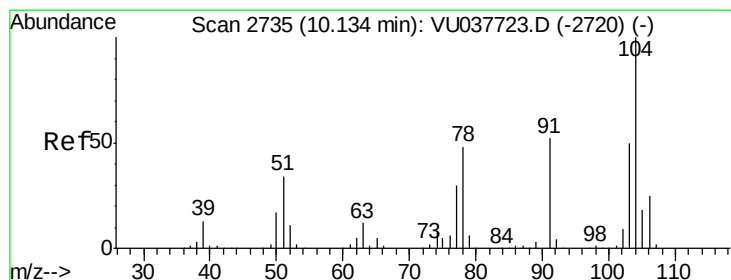
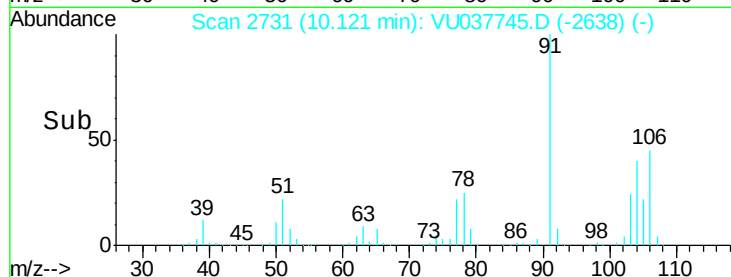
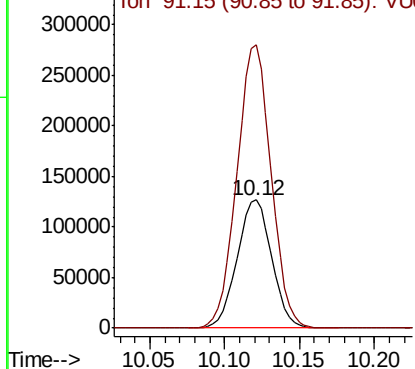
#54
o-Xylene
Concen: 4.968 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 204001
Ion Ratio Lower Upper
106 100
91 220.8 151.1 280.7

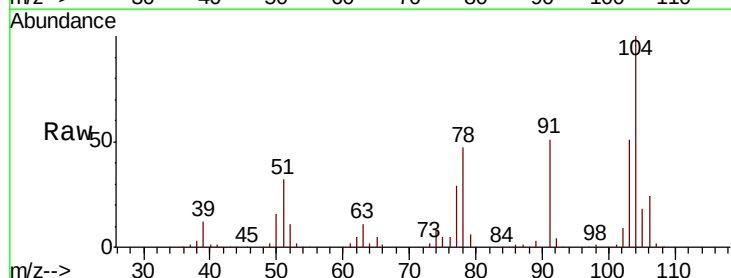


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

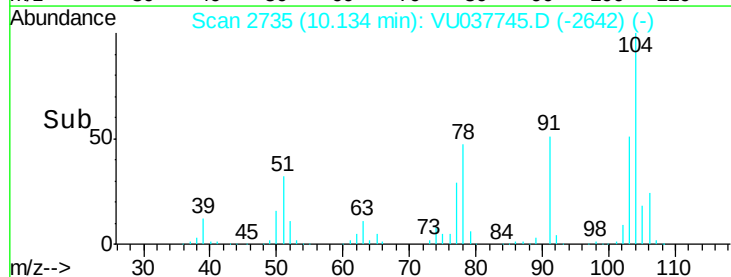
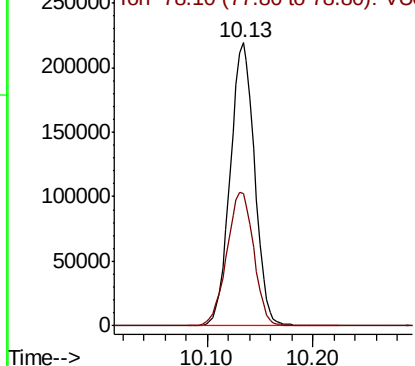


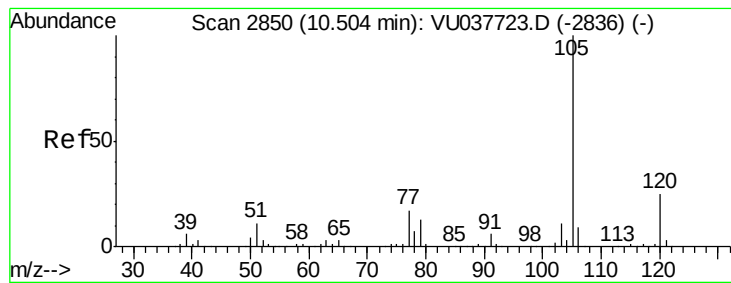
#55
Styrene
Concen: 4.977 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037745.D
Acq: 16 Apr 2020 09:18

Tgt Ion:104 Resp: 349324
Ion Ratio Lower Upper
104 100
78 46.8 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.066 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

ClientSampleId :

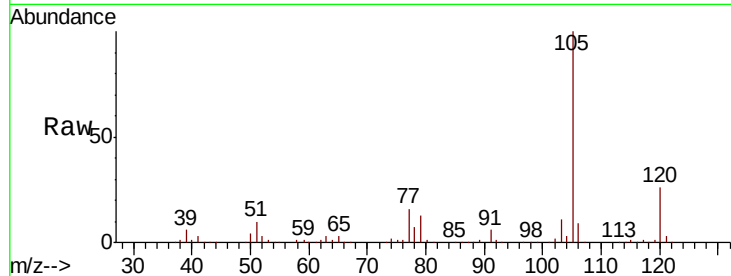
Tot Ion:105 Resp: 545663

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

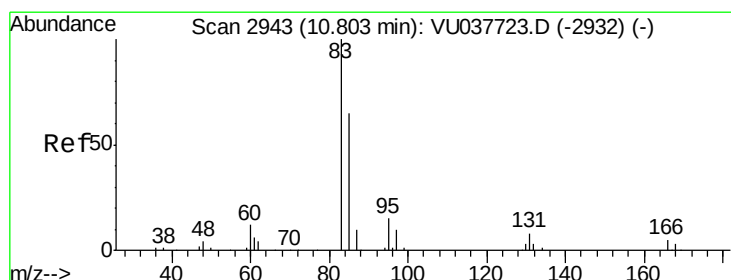
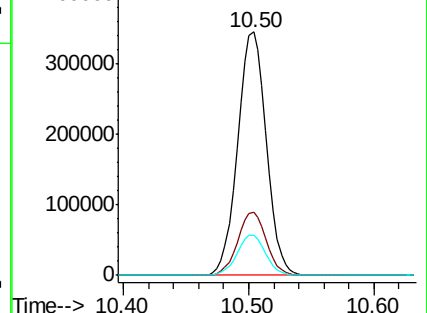
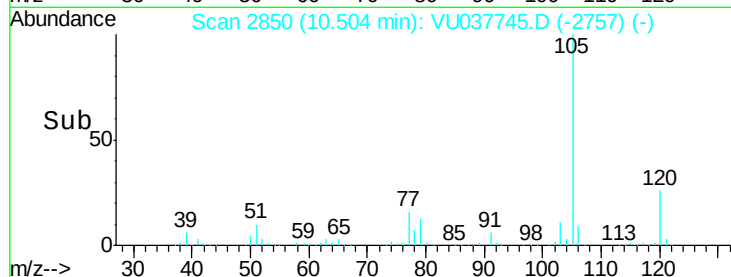
77 16.5 13.2 19.8



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: 5.102 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

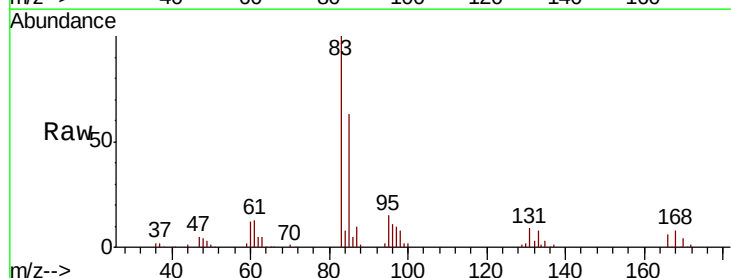
Tgt Ion: 83 Resp: 112270

Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

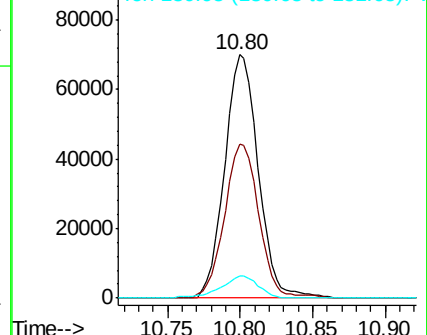
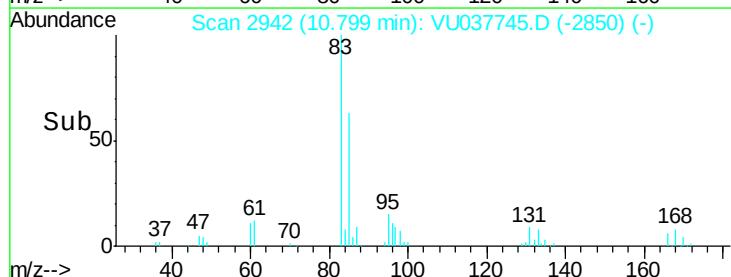
131 8.9 7.4 11.2

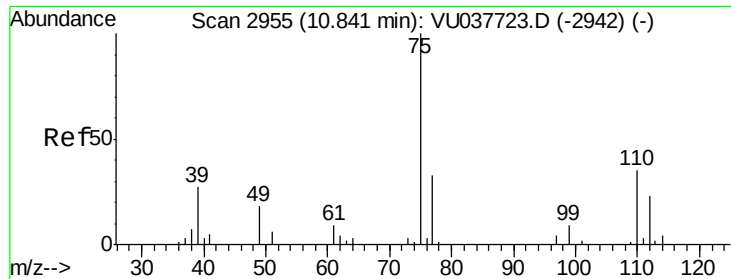


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.194 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

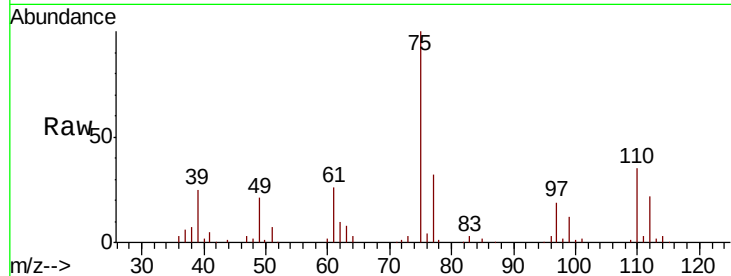
ClientSampleId :

Tot Ion: 75 Resp: 85276

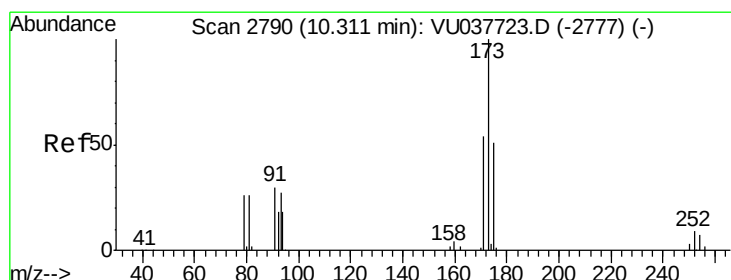
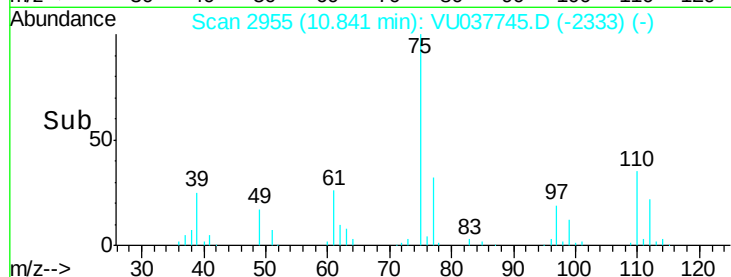
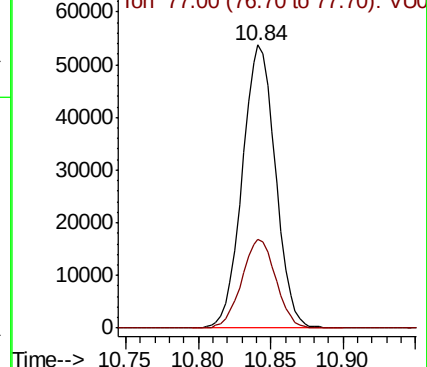
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037723.D (-2942) (-)



#61

Bromoform

Concen: 5.021 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

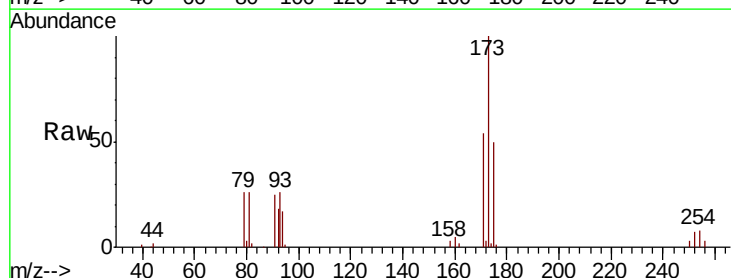
Tgt Ion:173 Resp: 57267

Ion Ratio Lower Upper

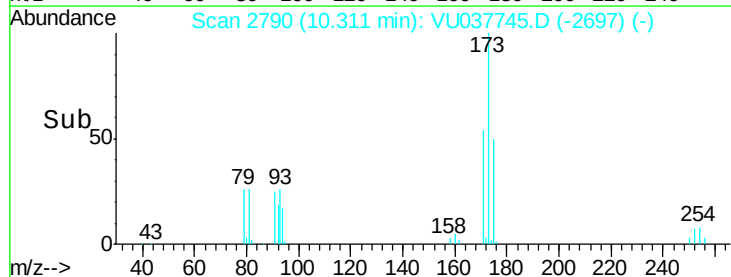
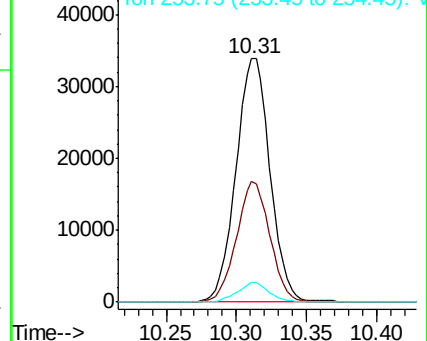
173 100

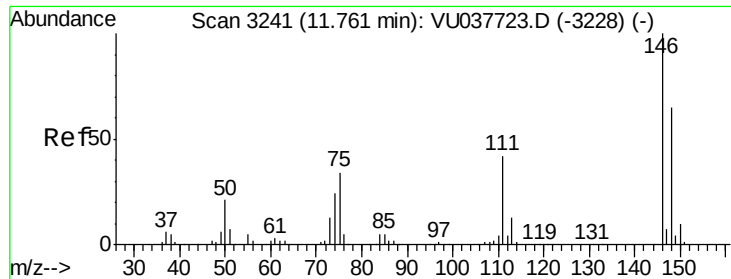
175 48.4 37.6 56.4

254 7.4 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VU037723.D (-2777) (-)

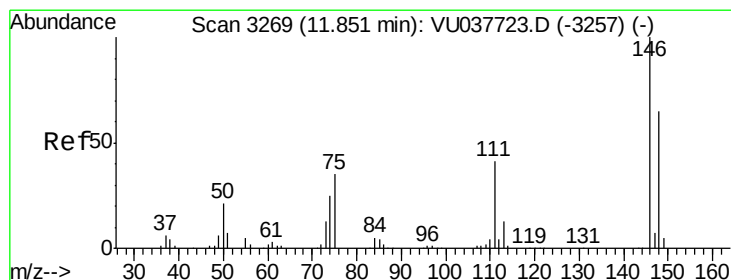
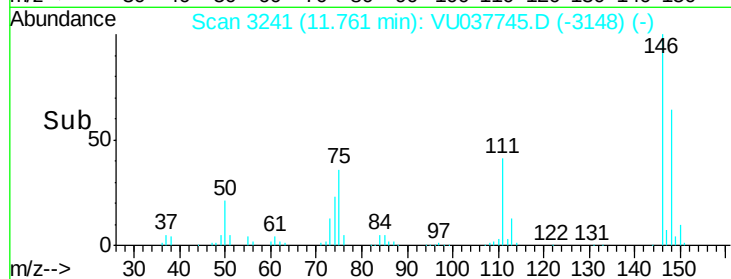
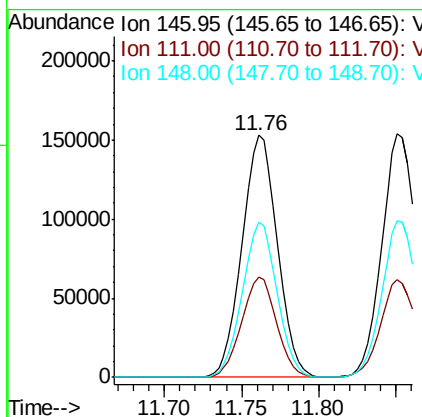
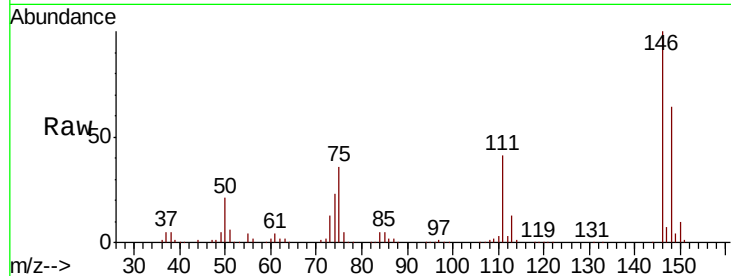




#62
 1,3-Dichlorobenzene
 Concen: 5.063 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

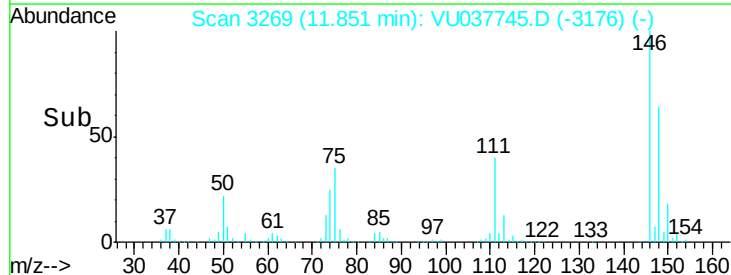
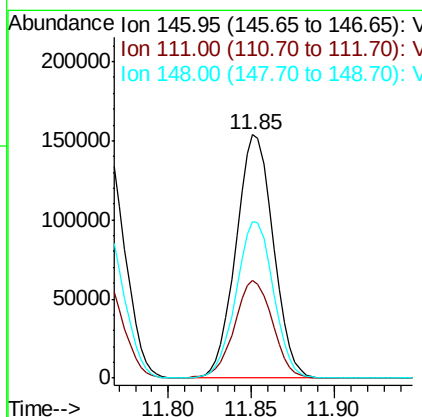
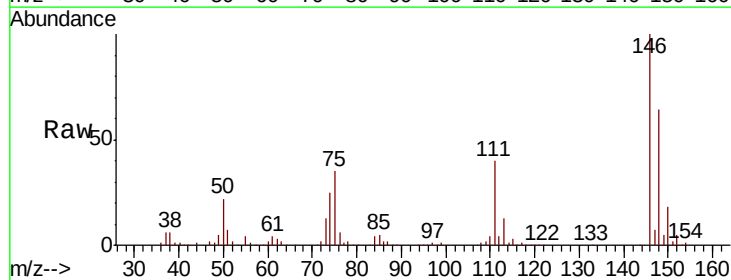
Instrument :
 MSVOA_U
 ClientSampleId :

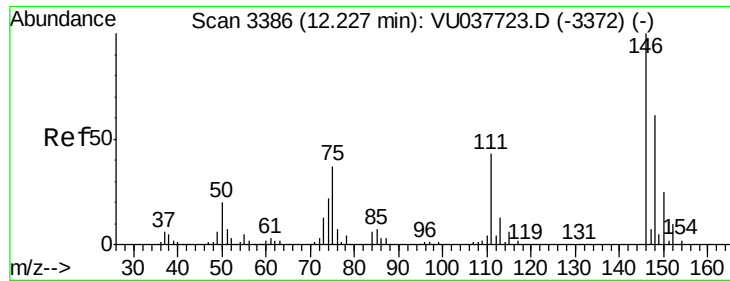
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.8	55.3
148	63.9	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.004 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.4	52.8
148	64.3	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 5.018 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

ClientSampled :

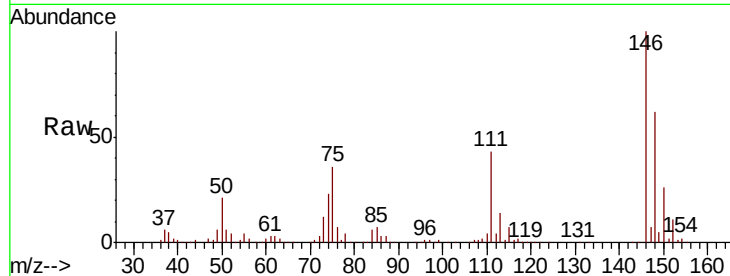
Tot Ion:146 Resp: 227147

Ion Ratio Lower Upper

146 100

111 42.8 35.0 52.6

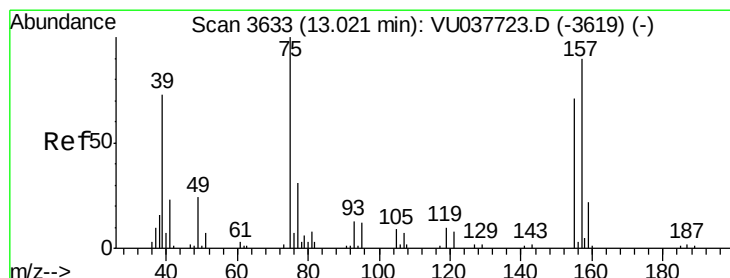
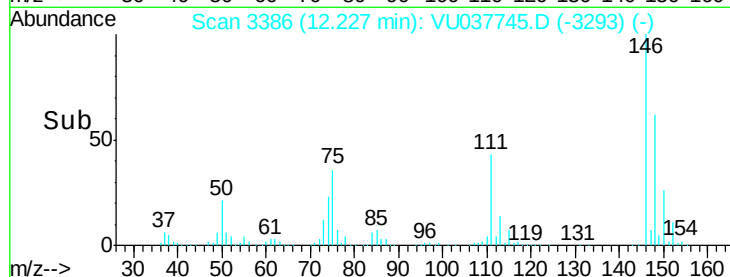
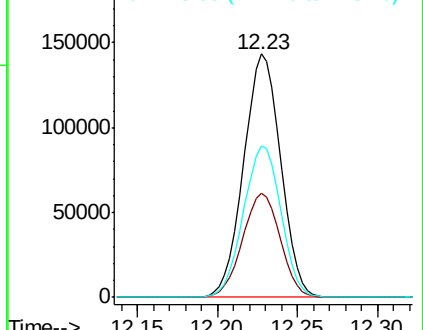
148 62.4 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.742 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

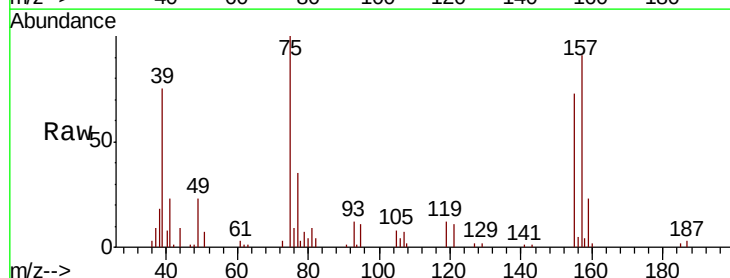
Tgt Ion: 75 Resp: 19896

Ion Ratio Lower Upper

75 100

155 73.2 57.9 86.9

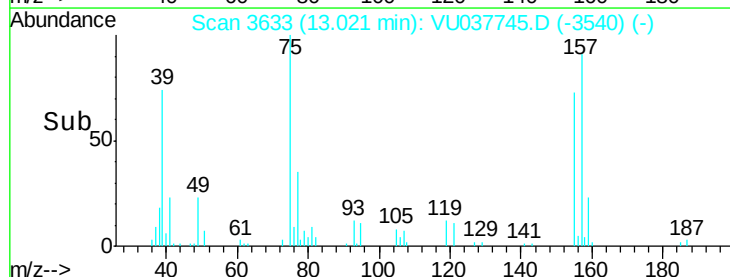
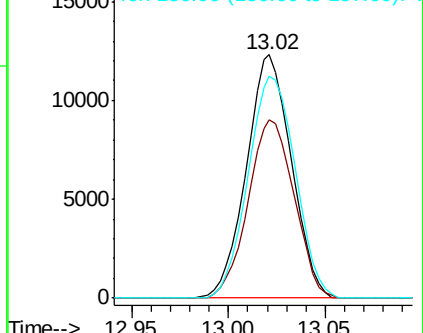
157 91.0 79.8 119.8

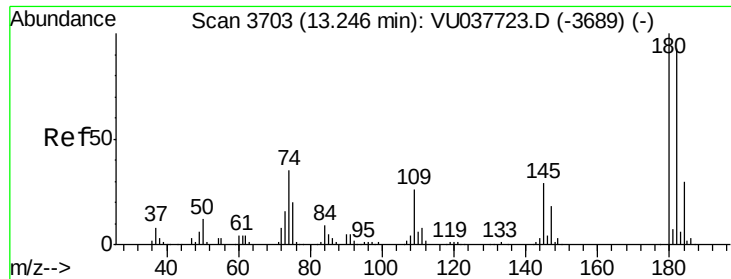


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

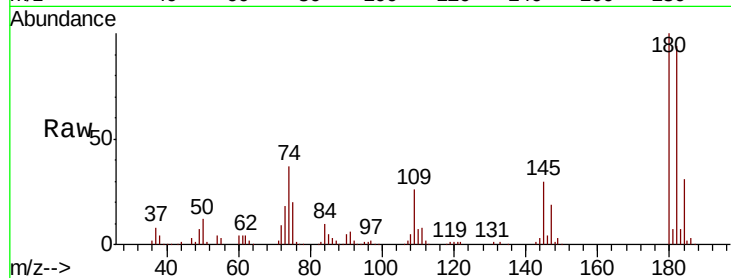




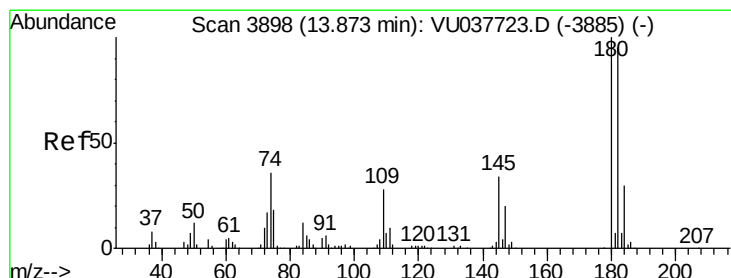
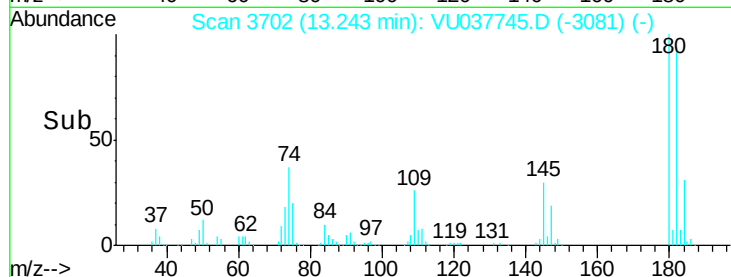
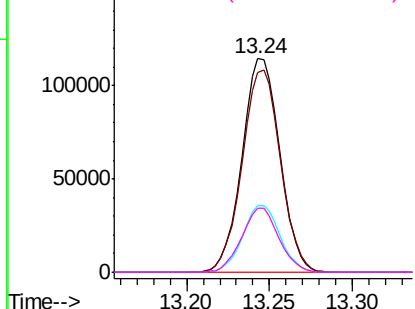
#67
 1,3,5-Trichlorobenzene
 Concen: 5.146 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 181445
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.1 115.7
 184 30.9 24.7 37.1
 145 29.5 24.6 37.0

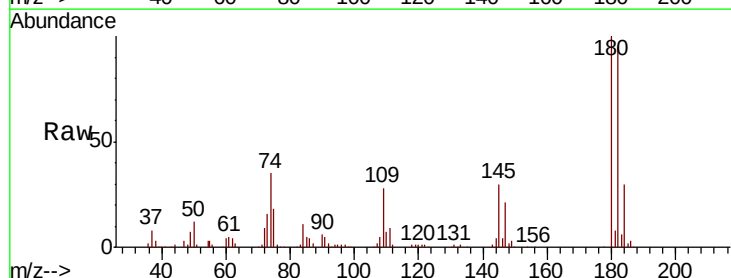


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

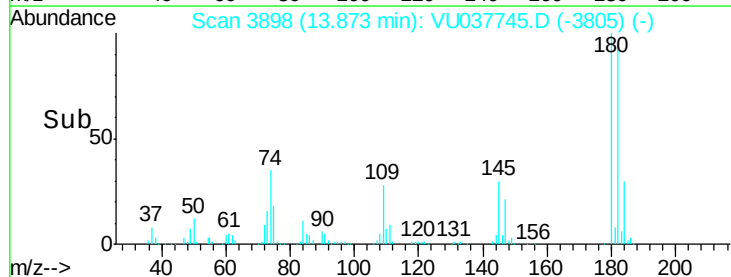
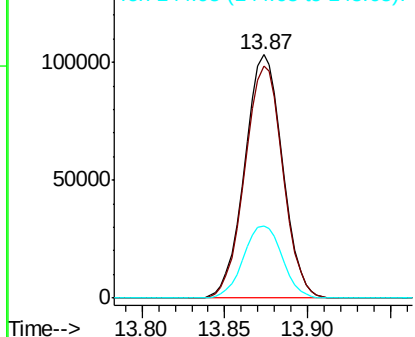


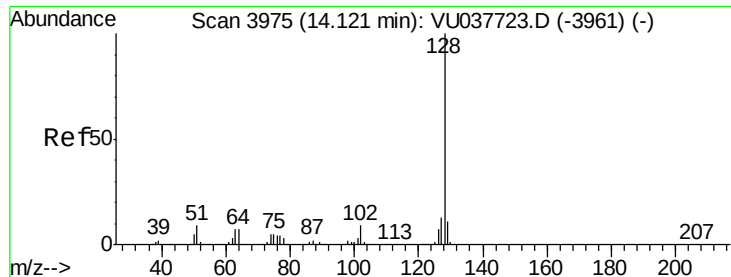
#68
 1,2,4-trichlorobenzene
 Concen: 5.073 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037745.D
 Acq: 16 Apr 2020 09:18

Tgt Ion:180 Resp: 164169
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 145 30.4 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.989 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

Instrument :

MSVOA_U

ClientSampled :

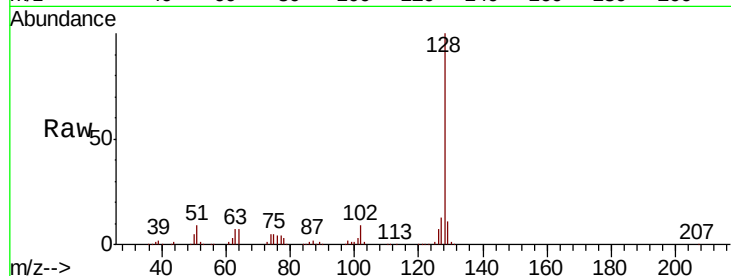
Tot Ion:128 Resp: 327004

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

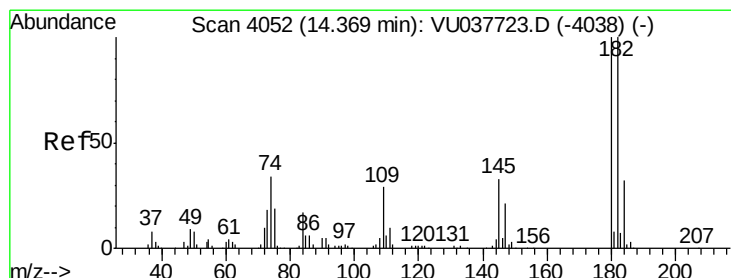
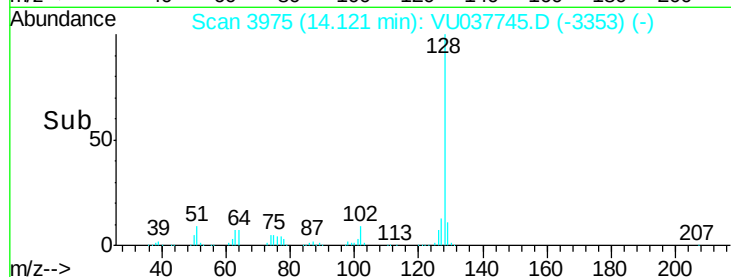
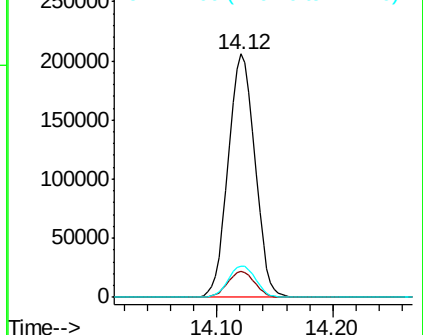
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.085 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU037745.D

Acq: 16 Apr 2020 09:18

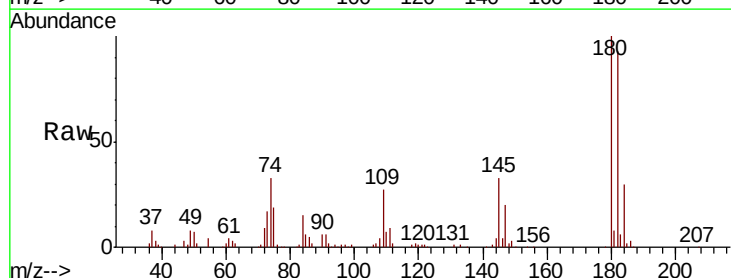
Tgt Ion:180 Resp: 146645

Ion Ratio Lower Upper

180 100

182 93.9 76.6 115.0

145 33.0 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

