

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037941.D
 Acq On : 30 Apr 2020 03:11
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Apr 30 04:14:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 04:10:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	662519	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	651581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	318297	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	214880	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.24%
7) Chloroethane-d5	1.93	69	202459	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.26%
11) 1,1-Dichloroethene-d2	2.59	63	414213	44.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.42%
21) 2-Butanone-d5	4.66	46	453609	98.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.90%
24) Chloroform-d	5.10	84	428497	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.74	65	290164	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.76	84	866032	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.72	67	298912	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.00%
41) Toluene-d8	7.92	98	781993	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	8.20	79	135144	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.20%
47) 2-Hexanone-d5	8.65	63	283545	84.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	449740	52.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	299944	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	243380	44.527	ug/L 100
3) Chloromethane	1.53	50	293599	49.284	ug/L 100
5) Vinyl chloride	1.62	62	311921	47.455	ug/L 99
6) Bromomethane	1.86	94	130178	47.864	ug/L 99
8) Chloroethane	1.94	64	189448	51.299	ug/L 99
9) Trichlorofluoromethane	2.15	101	338570	48.447	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	208747	51.257	ug/L 99
12) 1,1-Dichloroethene	2.60	96	209477	52.080	ug/L 97
13) Acetone	2.65	43	281535	102.880	ug/L 97
14) Carbon disulfide	2.82	76	641809	44.617	ug/L 100
15) Methyl Acetate	2.98	43	312793	47.291	ug/L 97
16) Methylene chloride	3.08	84	252902	52.914	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	227353	50.553	ug/L 95
18) Methyl tert-butyl Ether	3.40	73	793683	51.233	ug/L 99
19) 1,1-Dichloroethane	3.91	63	465399	51.337	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	258486	52.494	ug/L 95
22) 2-Butanone	4.74	43	463520	96.732	ug/L 96

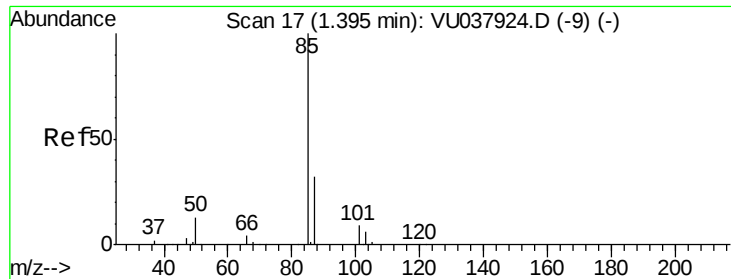
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
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 QLast Update : Thu Apr 30 04:10:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	123625	51.956	ug/L	97
25) Chloroform	5.12	83	450117	53.064	ug/L	98
27) 1,2-Dichloroethane	5.83	62	374997	51.617	ug/L	100
29) Cyclohexane	5.42	56	415815	45.616	ug/L	95
30) 1,1,1-Trichloroethane	5.35	97	367052	50.442	ug/L	99
31) Carbon tetrachloride	5.56	117	290136	49.322	ug/L	99
33) Benzene	5.81	78	1013991	51.272	ug/L	100
34) Trichloroethene	6.57	95	246514	50.817	ug/L	98
35) Methylcyclohexane	6.79	83	400563	47.156	ug/L	97
37) 1,2-Dichloropropane	6.82	63	277970	51.462	ug/L	99
38) Bromodichloromethane	7.13	83	336207	51.518	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	406210	46.970	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	883969	94.102	ug/L	96
42) Toluene	7.99	91	1078382	52.008	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	392402	47.007	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	253907	53.885	ug/L	99
46) Tetrachloroethene	8.57	164	193562	54.590	ug/L	98
48) 2-Hexanone	8.71	43	716278	96.439	ug/L	95
49) Dibromochloromethane	8.83	129	244221	49.635	ug/L	99
50) 1,2-Dibromoethane	8.94	107	265238	51.964	ug/L	100
51) Chlorobenzene	9.47	112	668483	51.831	ug/L	99
52) Ethylbenzene	9.59	91	1209120	52.072	ug/L	99
53) m,p-Xylene	9.71	106	460390	52.661	ug/L	98
54) o-xylene	10.12	106	452656	52.940	ug/L	98
55) Styrene	10.13	104	782105	53.189	ug/L	98
56) Isopropylbenzene	10.50	105	1177069	52.017	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	435632	51.983	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	374317	51.587	ug/L	100
61) Bromoform	10.31	173	166057	46.357	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	507194	50.893	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	512564	50.957	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	510713	52.737	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	103080	47.761	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	349651	48.278	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	334462	47.483	ug/L	99
69) Naphthalene	14.11	128	1311879	51.938	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	338822	48.713	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 44.527 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

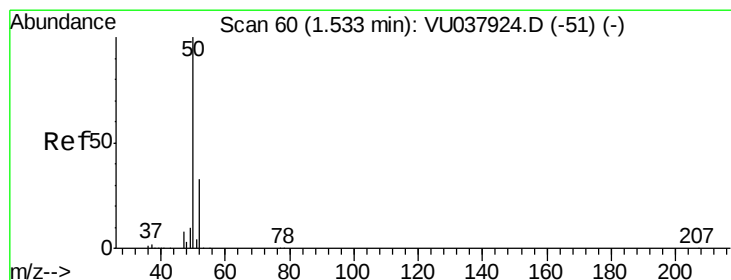
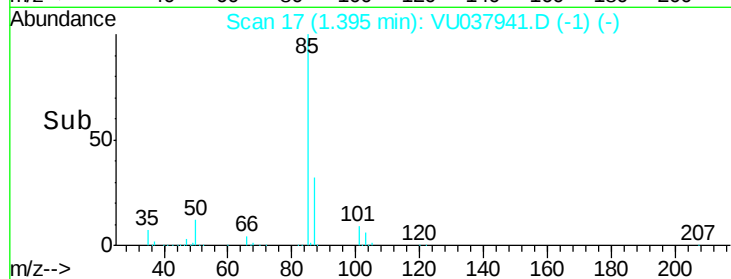
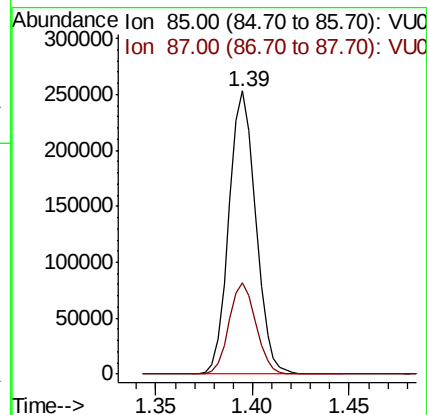
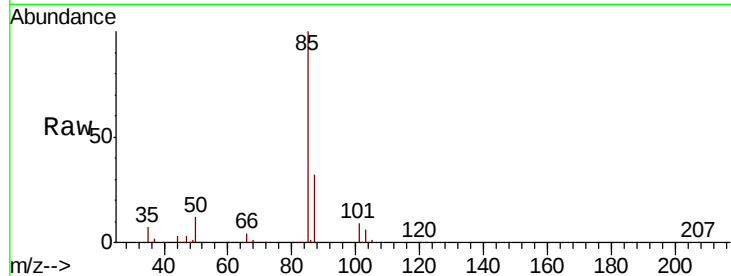
VSTD05054

Tot Ion: 85 Resp: 243380

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



#3

Chloromethane

Concen: 49.284 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037941.D

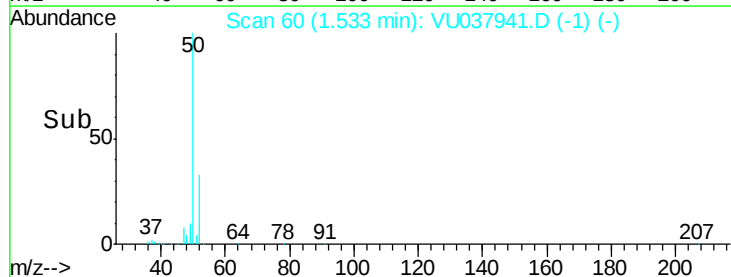
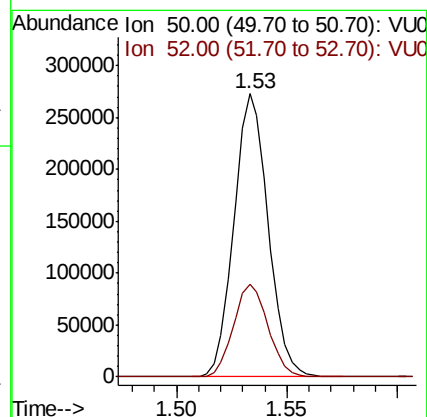
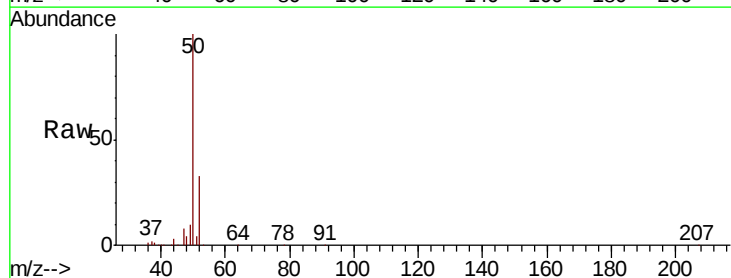
Acq: 30 Apr 2020 03:11

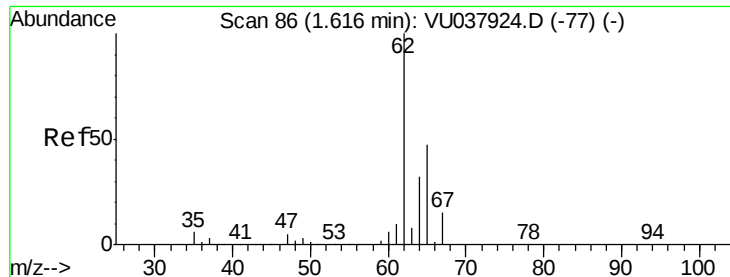
Tgt Ion: 50 Resp: 293599

Ion Ratio Lower Upper

50 100

52 32.9 23.1 42.9





#5

Vinyl chloride

Concen: 47.455 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

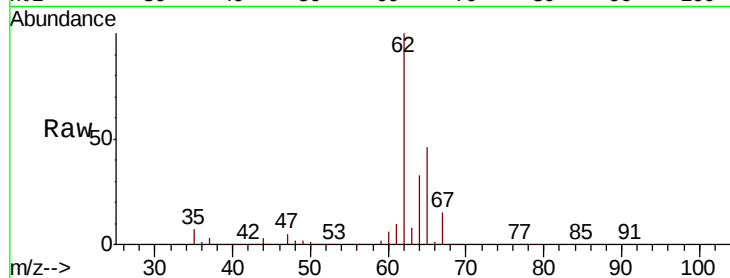
VSTD05054

Tot Ion: 62 Resp: 311921

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037924.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037924.D (-77) (-)

1.62

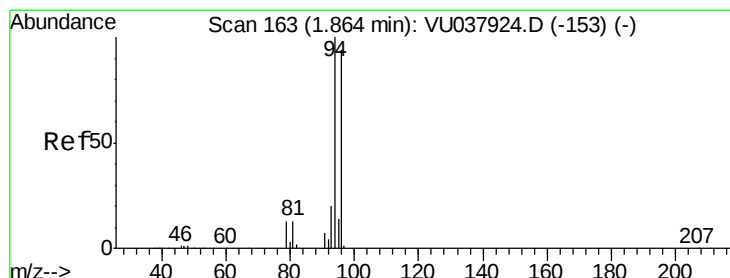
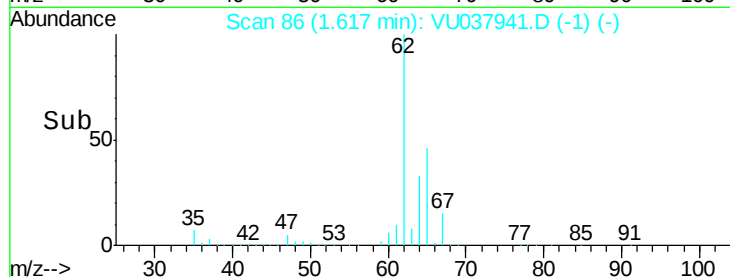
300000

200000

100000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 47.864 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU037941.D

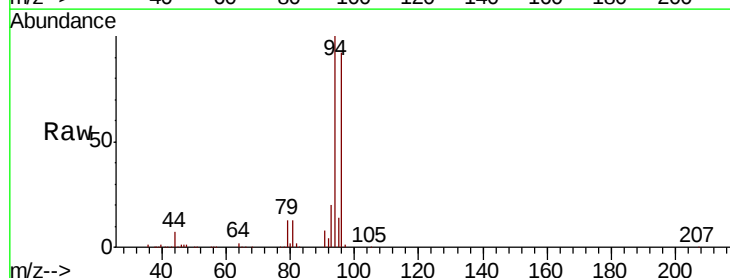
Acq: 30 Apr 2020 03:11

Tgt Ion: 94 Resp: 130178

Ion Ratio Lower Upper

94 100

96 92.1 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037924.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU037924.D (-153) (-)

1.86

120000

100000

80000

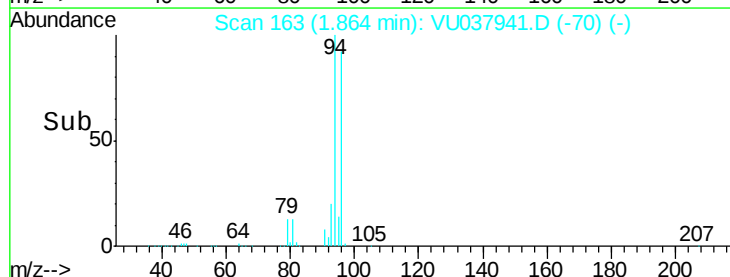
60000

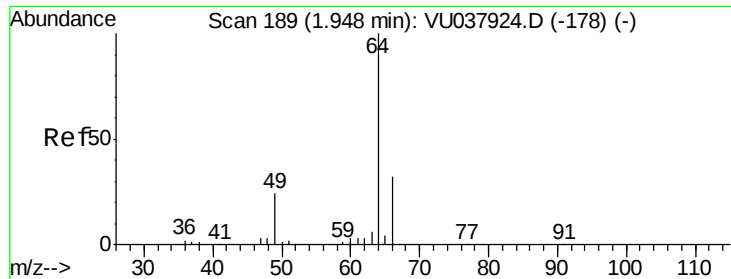
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 51.299 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

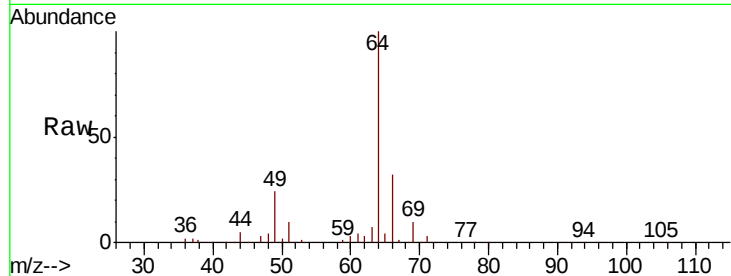
VSTD05054

Tot Ion: 64 Resp: 189448

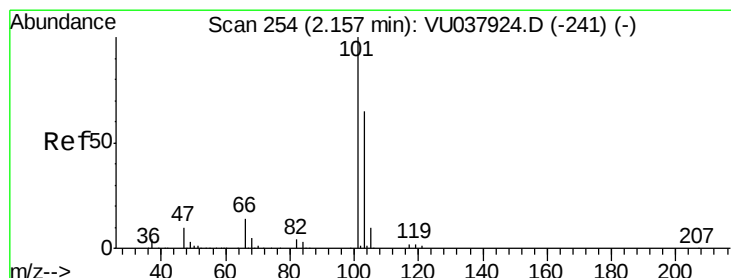
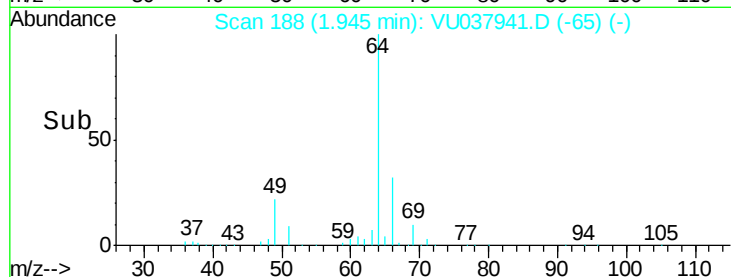
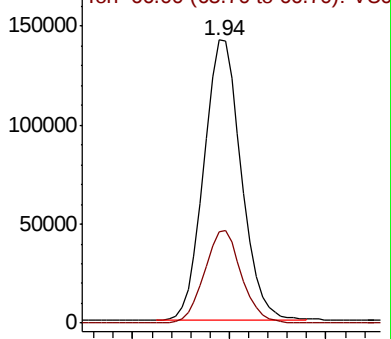
Ion Ratio Lower Upper

64 100

66 32.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037941.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.447 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU037941.D

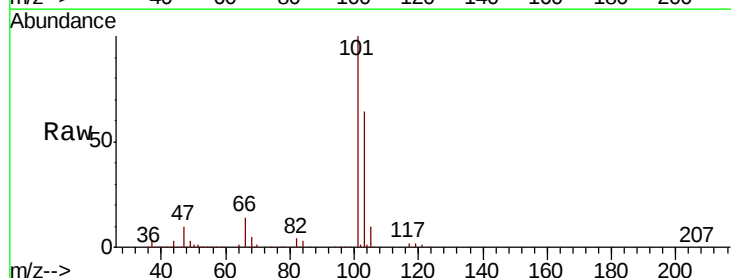
Acq: 30 Apr 2020 03:11

Tgt Ion:101 Resp: 338570

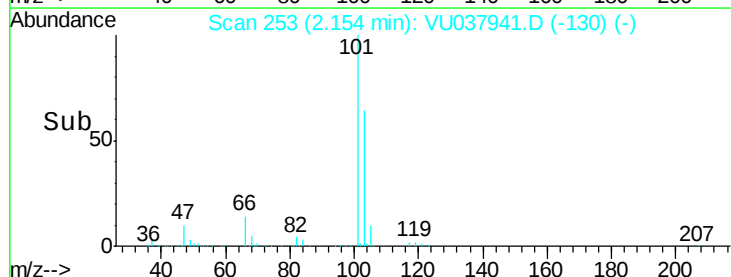
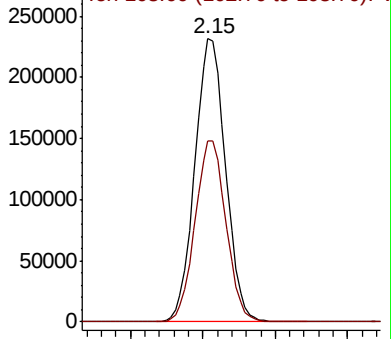
Ion Ratio Lower Upper

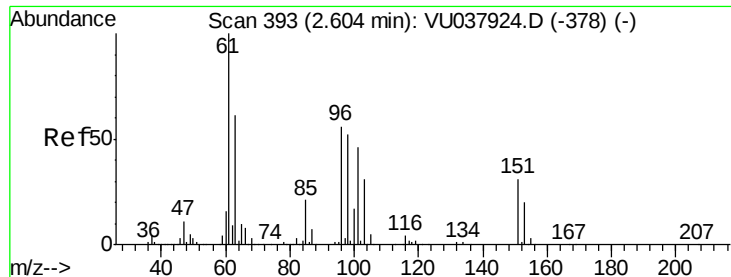
101 100

103 64.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU037941.D (-241) (-)





#10

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

Concen: 51.257 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

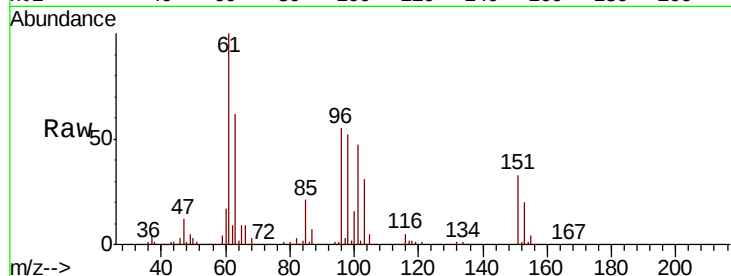
Tot Ion:101 Resp: 208747

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.4

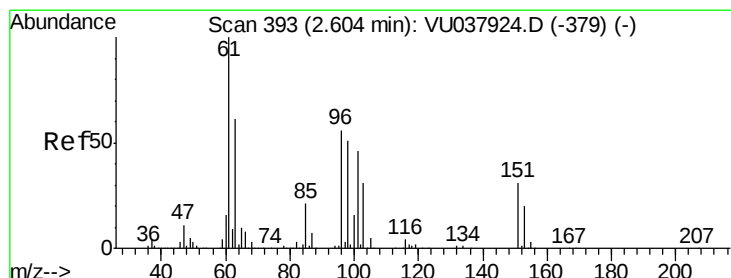
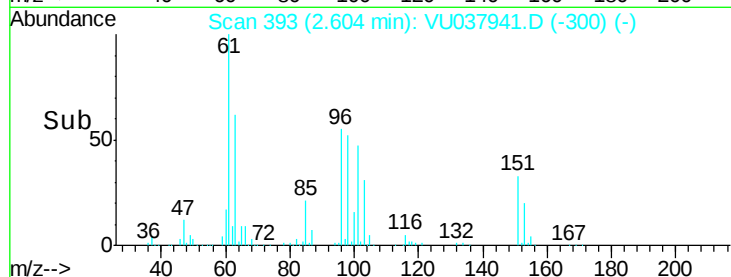
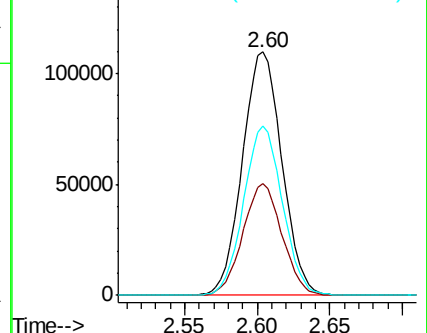
151 68.1 55.5 83.3



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: 52.080 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

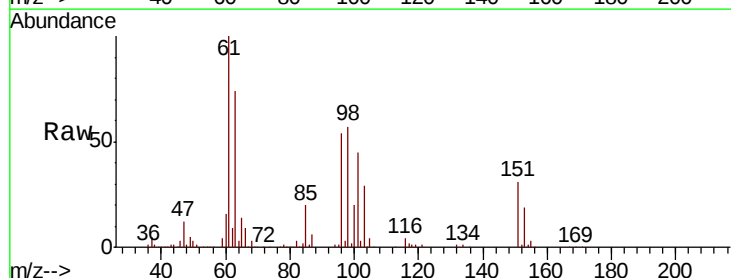
Tgt Ion: 96 Resp: 209477

Ion Ratio Lower Upper

96 100

61 185.2 134.1 249.0

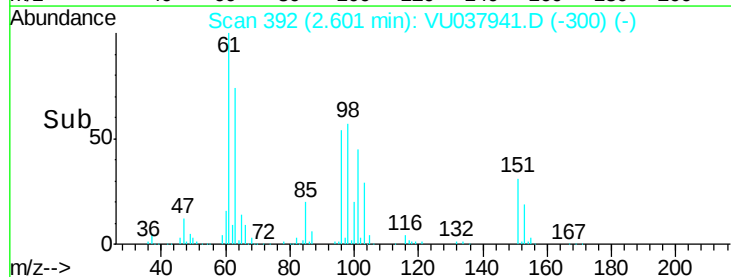
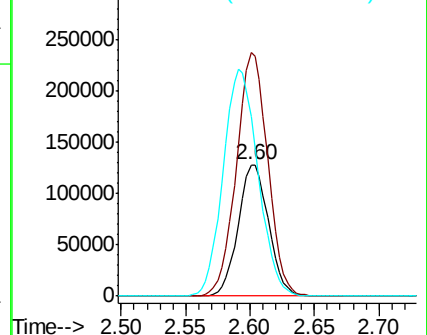
63 136.3 96.5 179.1

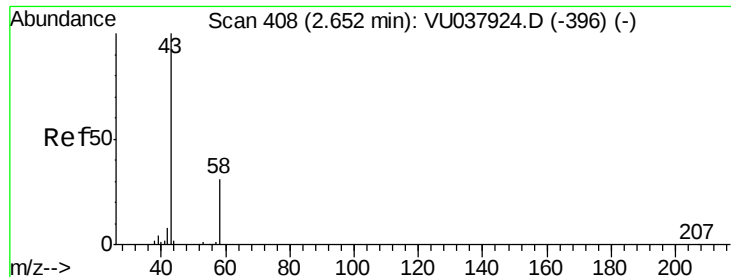


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.880 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

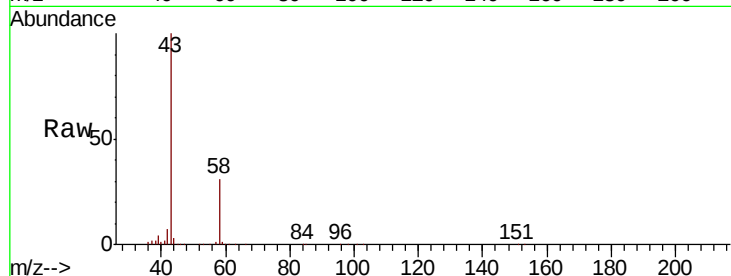
VSTD05054

Tot Ion: 43 Resp: 281535

Ion Ratio Lower Upper

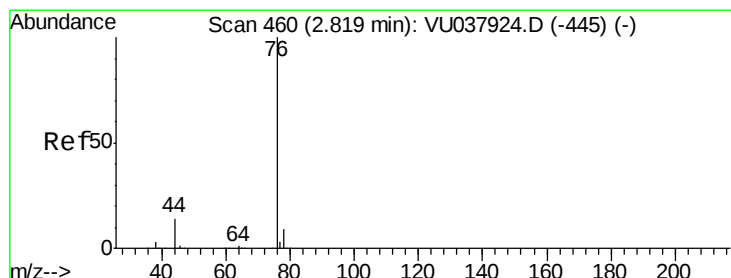
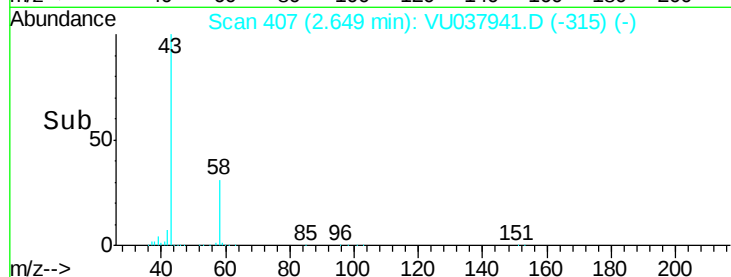
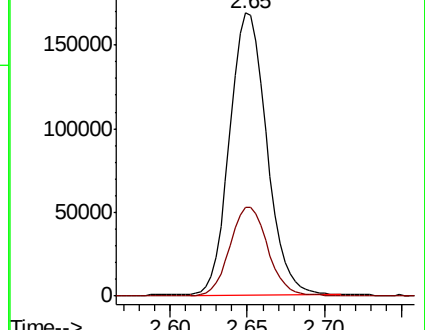
43 100

58 32.5 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037924.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037924.D (-396) (-)



#14

Carbon disulfide

Concen: 44.617 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037941.D

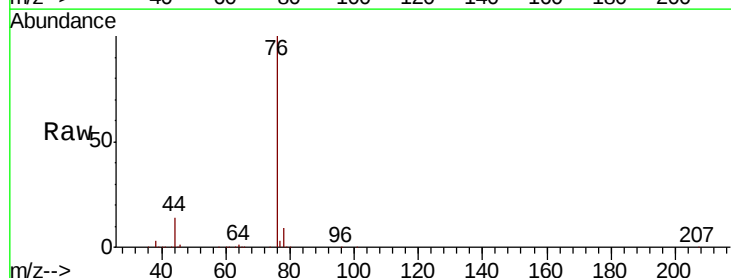
Acq: 30 Apr 2020 03:11

Tgt Ion: 76 Resp: 641809

Ion Ratio Lower Upper

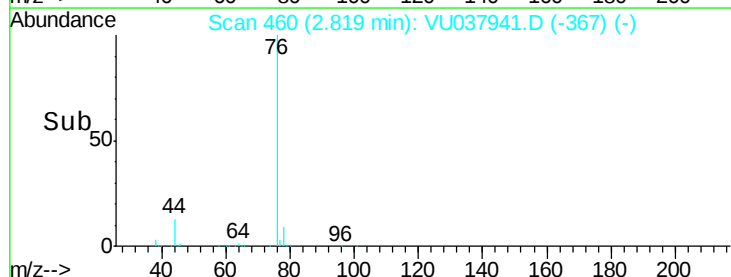
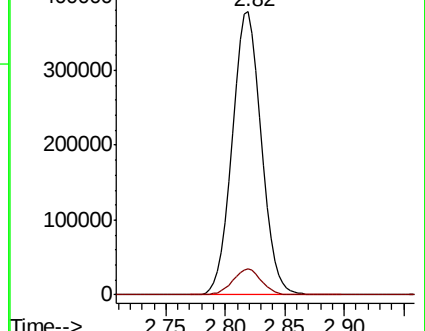
76 100

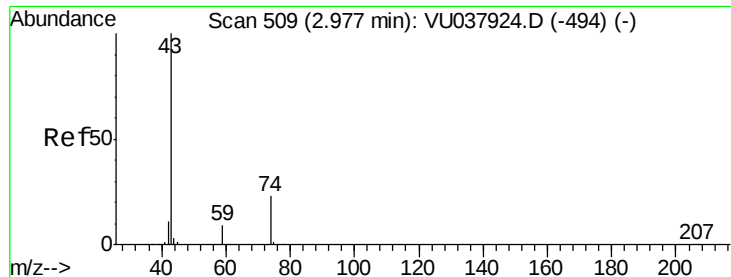
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037924.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037924.D (-445) (-)

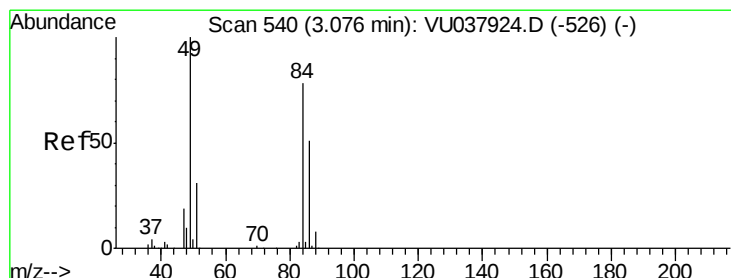
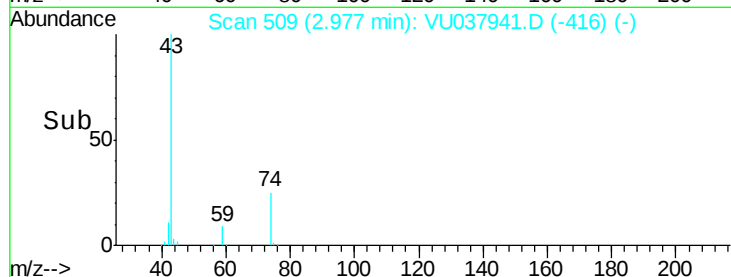
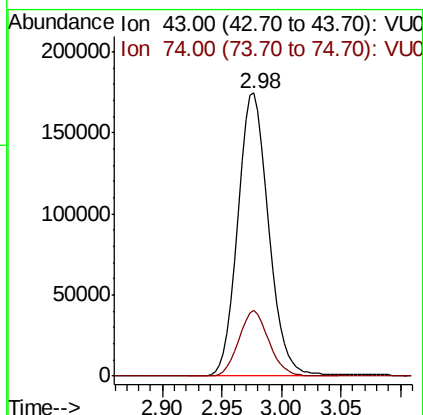
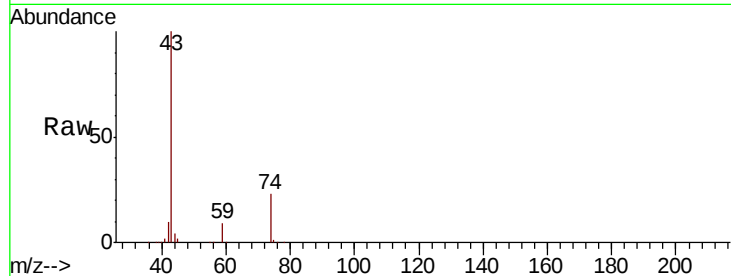




#15
Methvl Acetate
Concen: 47.291 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

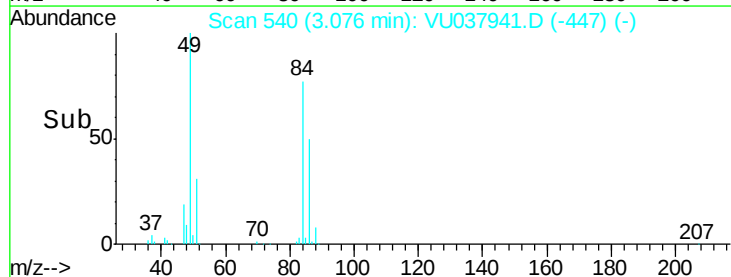
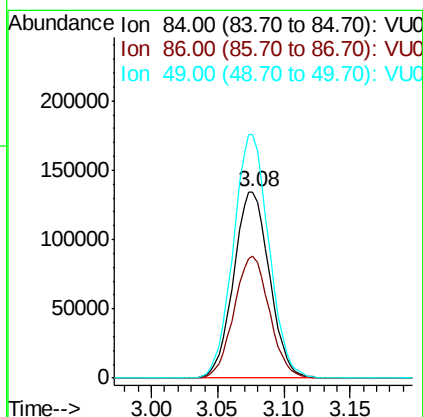
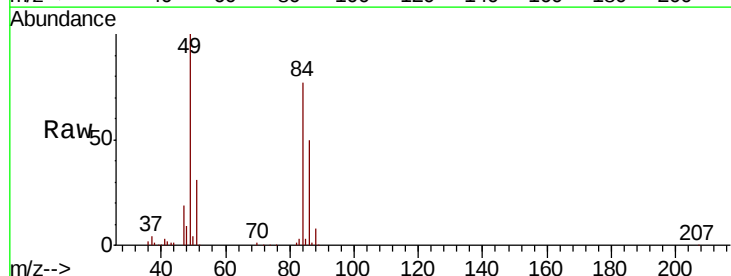
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

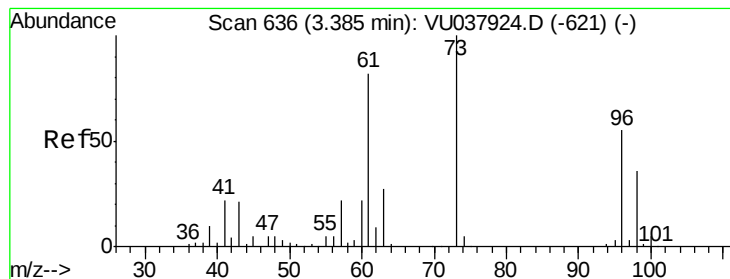
Tot Ion: 43 Resp: 312793
Ion Ratio Lower Upper
43 100
74 22.8 17.0 25.4



#16
Methylene chloride
Concen: 52.914 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

Tgt Ion: 84 Resp: 252902
Ion Ratio Lower Upper
84 100
86 65.5 43.5 80.7
49 130.6 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 50.553 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

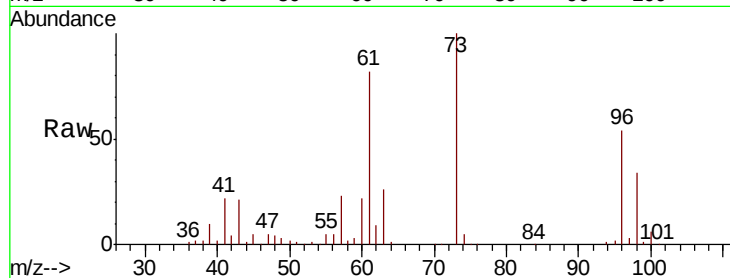
Tot Ion: 96 Resp: 227353

Ion Ratio Lower Upper

96 100

61 151.5 111.4 207.0

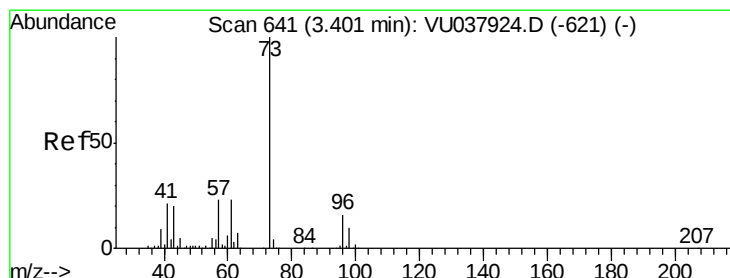
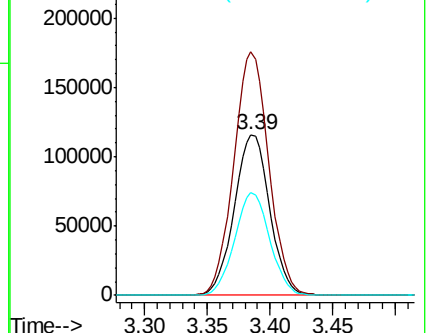
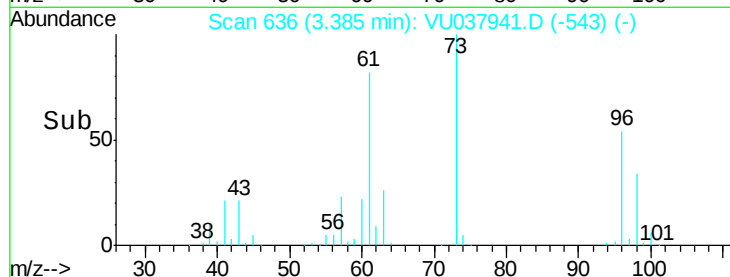
98 63.8 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU037941.D (-543) (-)

Ion 61.00 (60.70 to 61.70): VU037941.D (-543) (-)

Ion 98.00 (97.70 to 98.70): VU037941.D (-543) (-)



#18

Methyl tert-butyl Ether

Concen: 51.233 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

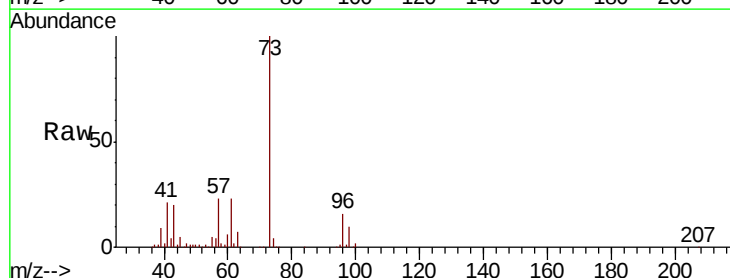
Tgt Ion: 73 Resp: 793683

Ion Ratio Lower Upper

73 100

43 20.3 17.0 25.6

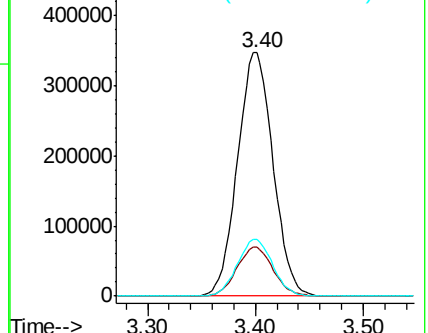
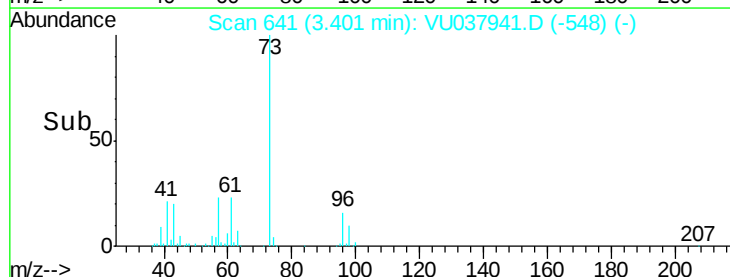
57 23.1 18.7 28.1

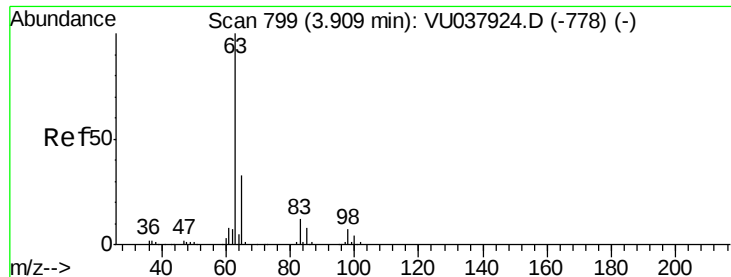


Abundance Ion 73.00 (72.70 to 73.70): VU037941.D (-548) (-)

Ion 43.00 (42.70 to 43.70): VU037941.D (-548) (-)

Ion 57.00 (56.70 to 57.70): VU037941.D (-548) (-)





#19

1,1-Dichloroethane

Concen: 51.337 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

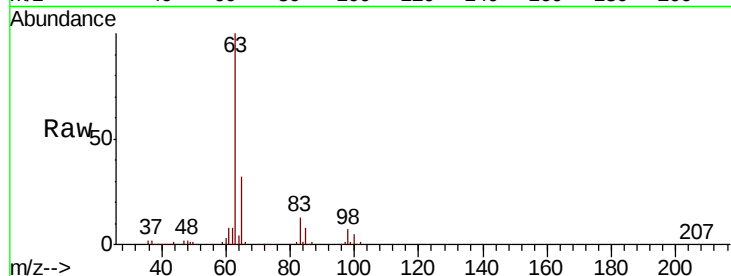
Tot Ion: 63 Resp: 465399

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

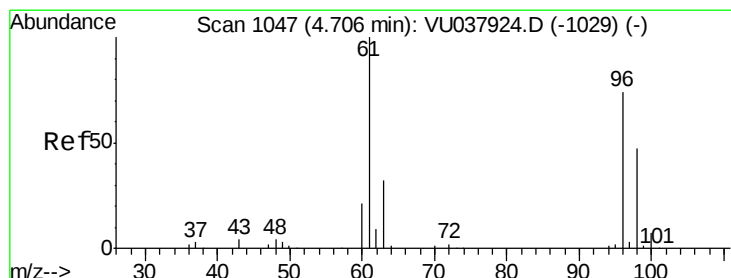
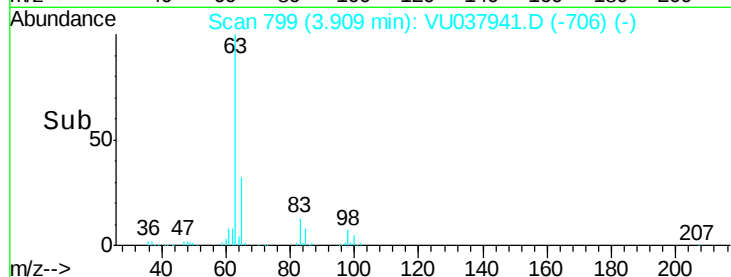
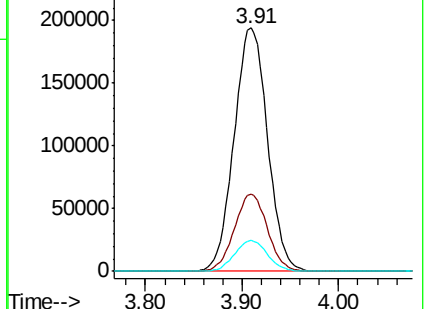
83 12.6 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037941.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU037941.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU037941.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.494 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

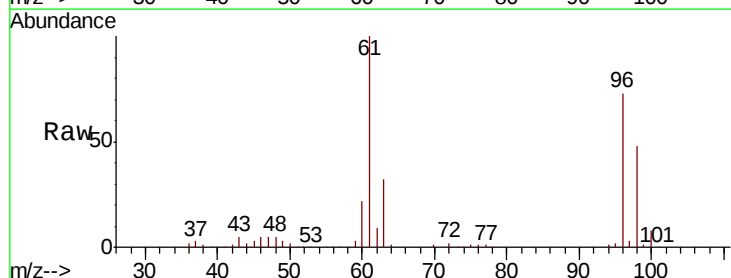
Tgt Ion: 96 Resp: 258486

Ion Ratio Lower Upper

96 100

61 137.4 100.4 186.4

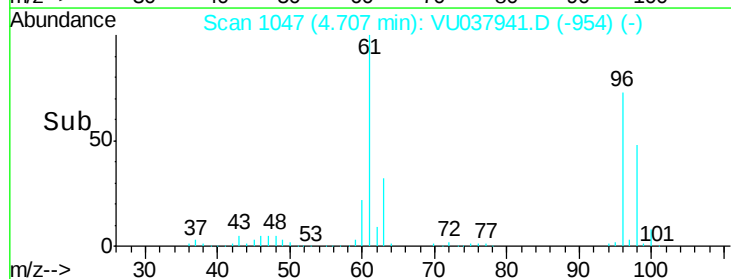
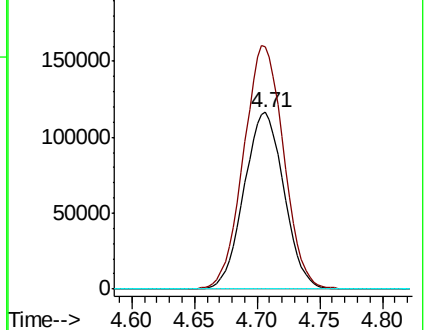
68 0.0 0.0 0.0

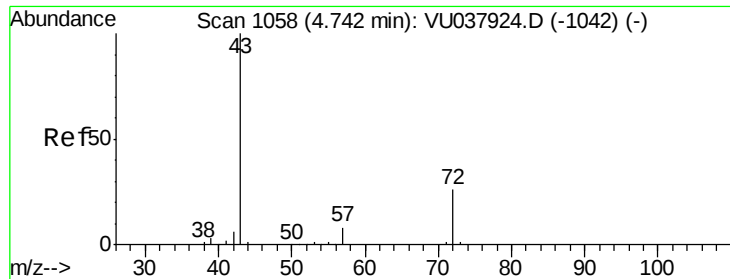


Abundance Ion 96.00 (95.70 to 96.70): VU037941.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037941.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037941.D (-954) (-)





#22

2-Butanone

Concen: 96.732 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

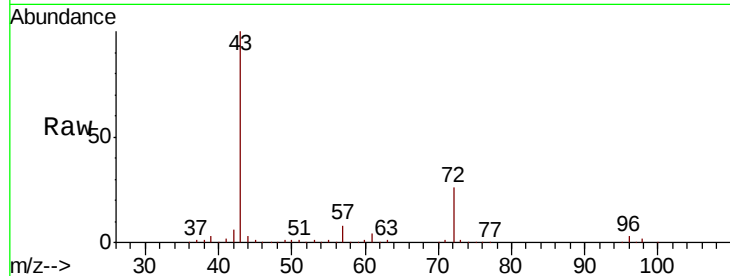
VSTD05054

Tot Ion: 43 Resp: 463520

Ion Ratio Lower Upper

43 100

72 26.9 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037941.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU037941.D (-965) (-)

4.74

200000

150000

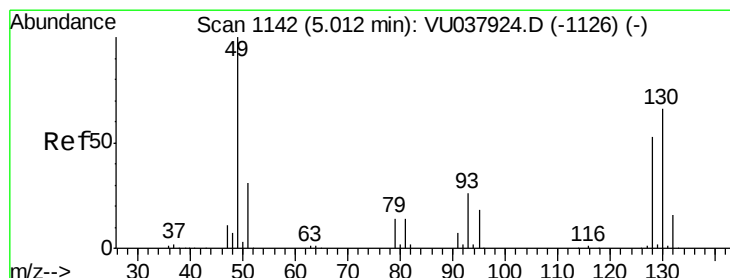
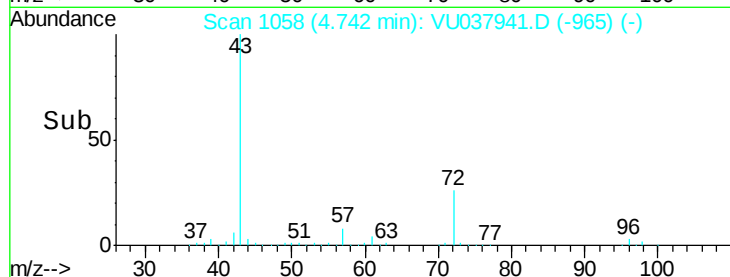
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 51.956 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Tgt Ion: 128 Resp: 123625

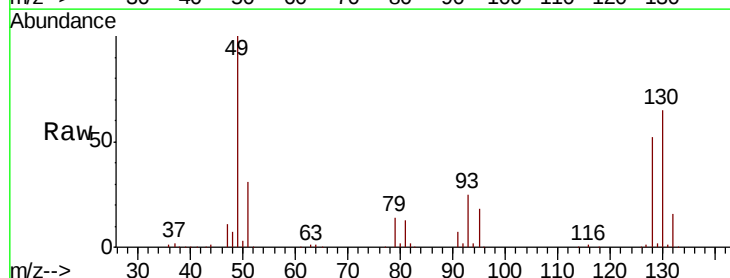
Ion Ratio Lower Upper

128 100

49 193.9 140.9 261.7

130 126.9 88.6 164.6

51 59.9 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037941.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037941.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037941.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037941.D (-1049) (-)

150000

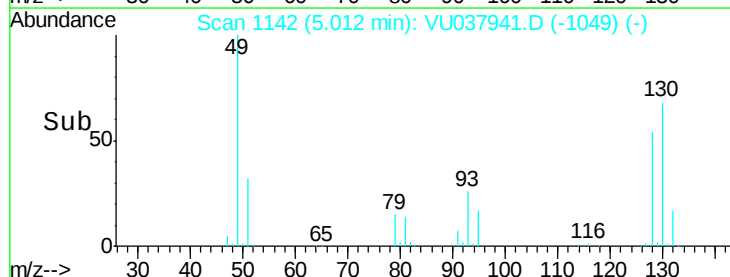
100000

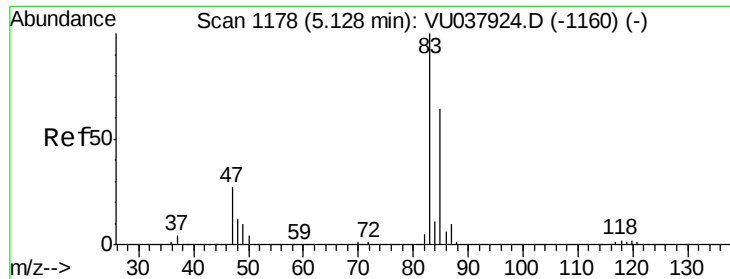
50000

0

4.95 5.00 5.05 5.10

Time-->

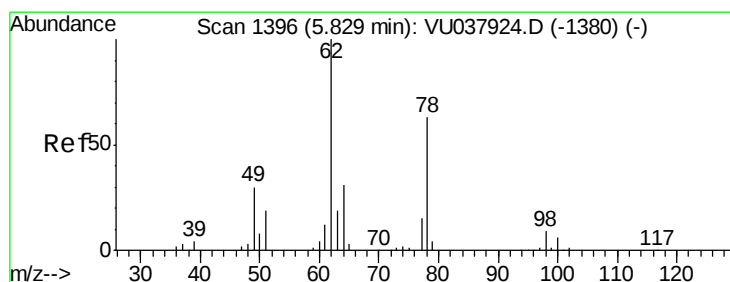
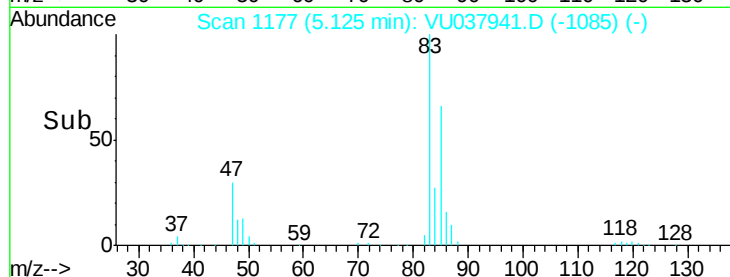
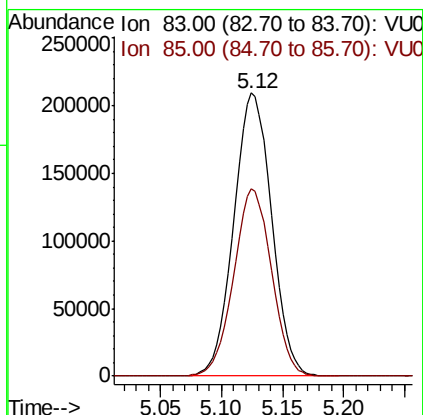
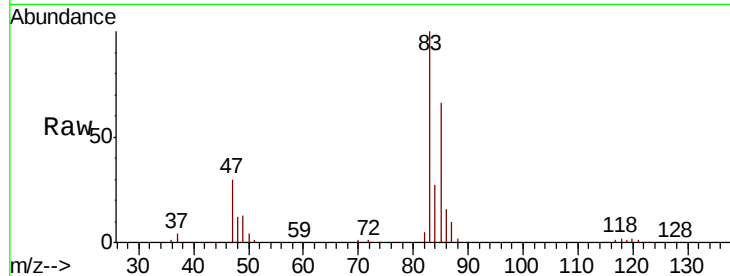




#25
Chloroform
Concen: 53.064 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

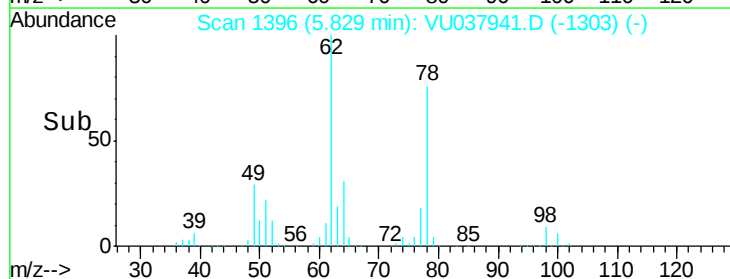
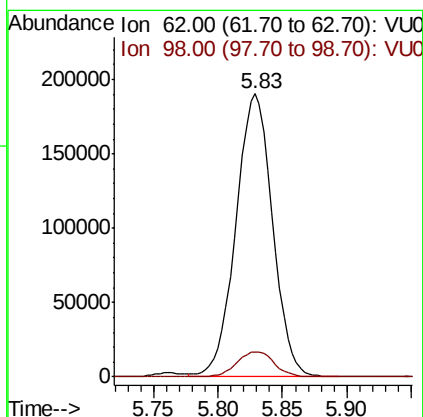
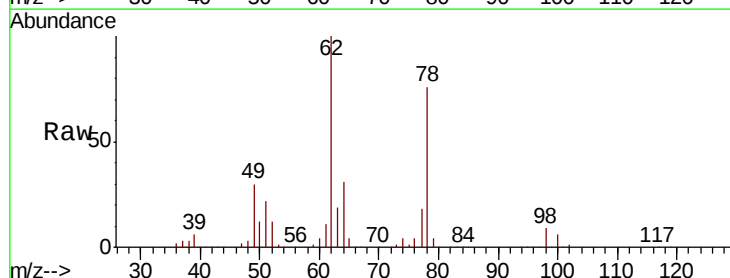
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

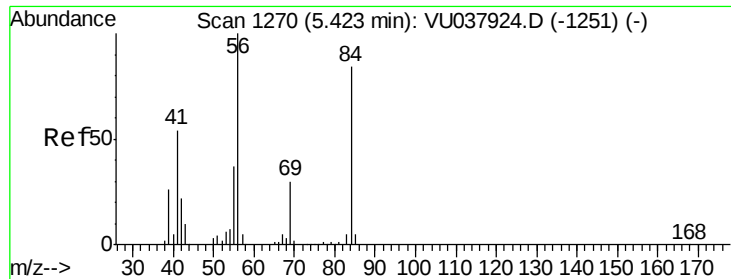
Tot Ion: 83 Resp: 450117
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.617 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

Tgt Ion: 62 Resp: 374997
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9

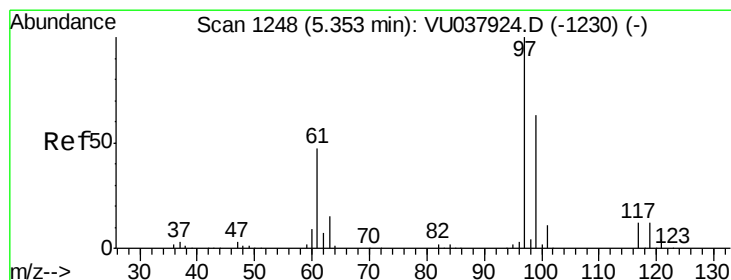
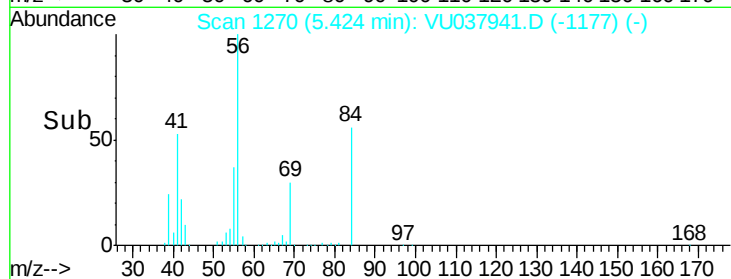
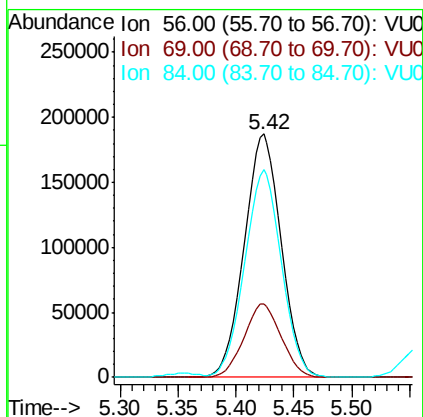
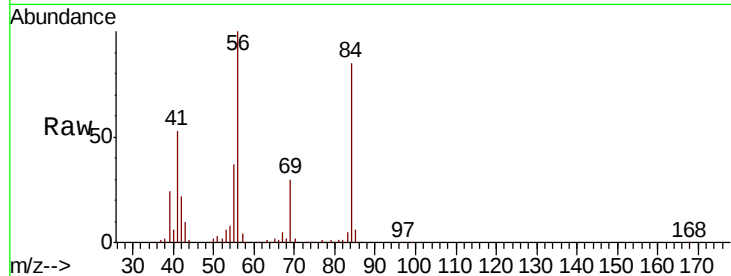




#29
Cyclohexane
Concen: 45.616 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

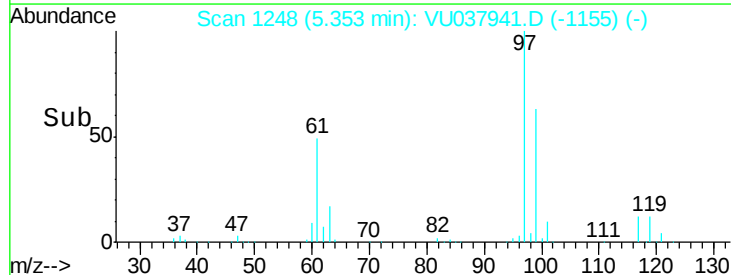
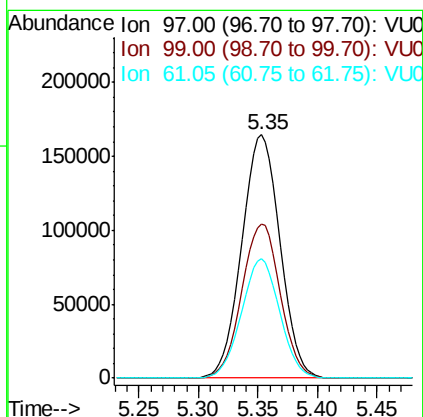
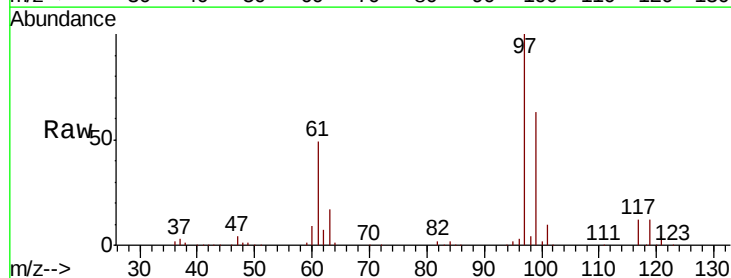
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

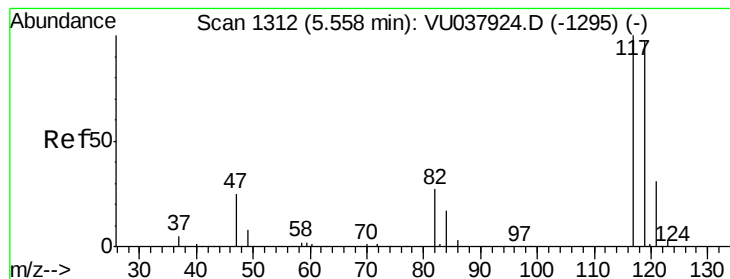
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	22.9	34.3
84	84.7	63.6	95.4



#30
1,1,1-Trichloroethane
Concen: 50.442 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.7	76.1
61	49.0	38.9	58.3





#31

Carbon tetrachloride

Concen: 49.322 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

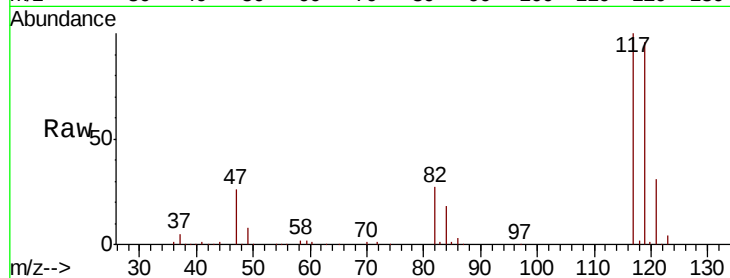
VSTD05054

Tot Ion:117 Resp: 290136

Ion Ratio Lower Upper

117 100

119 95.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

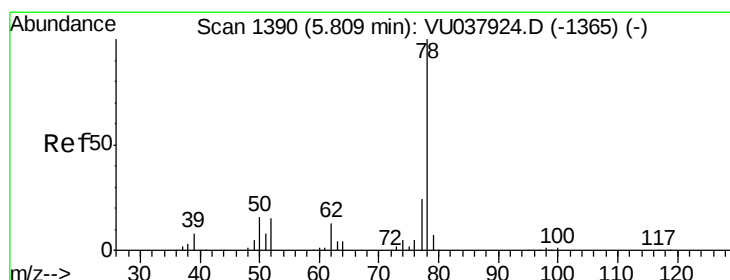
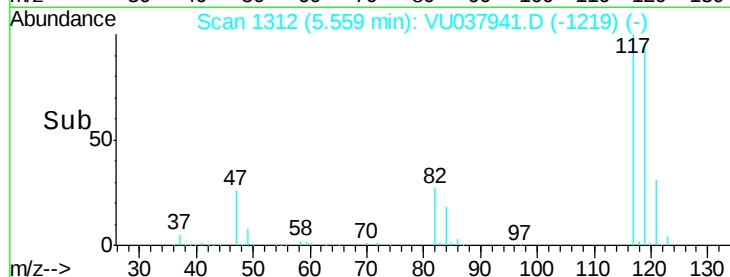
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 51.272 ug/L

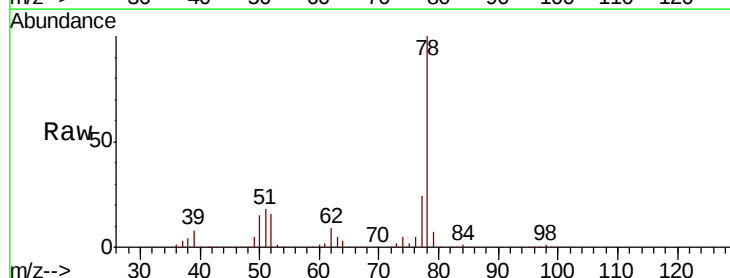
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Tgt Ion: 78 Resp: 1013991



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

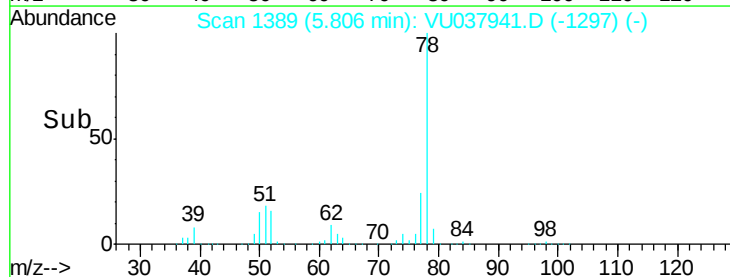
200000

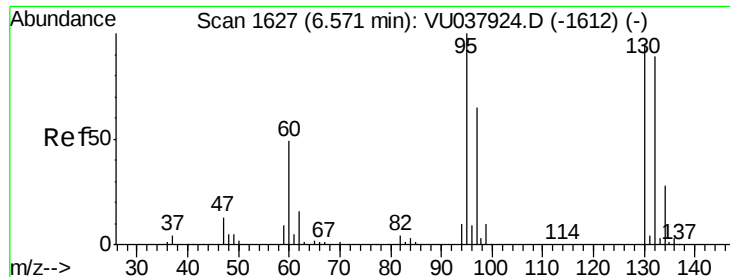
100000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 50.817 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tot Ion: 95 Resp: 246514

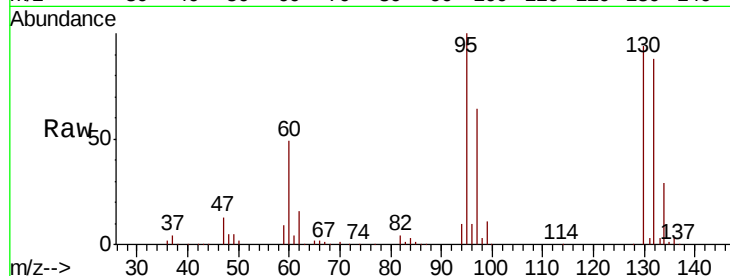
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.5

132 88.2 65.0 120.6

130 93.8 65.5 121.7

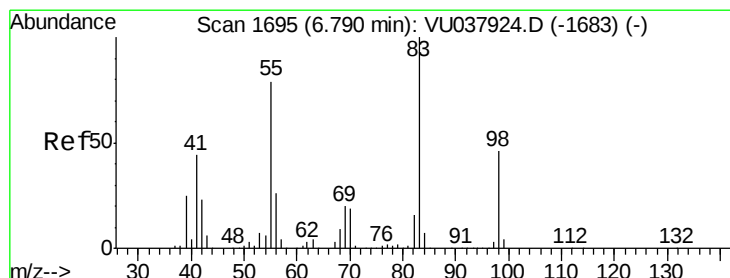
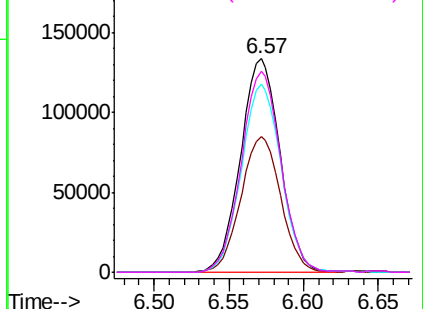
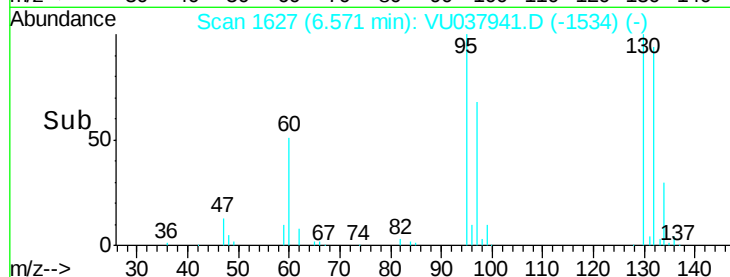


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.156 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

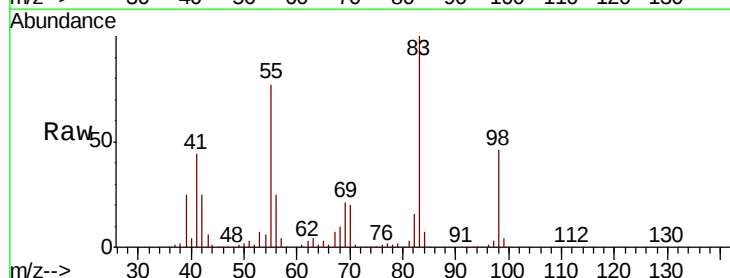
Tgt Ion: 83 Resp: 400563

Ion Ratio Lower Upper

83 100

55 78.8 66.3 99.5

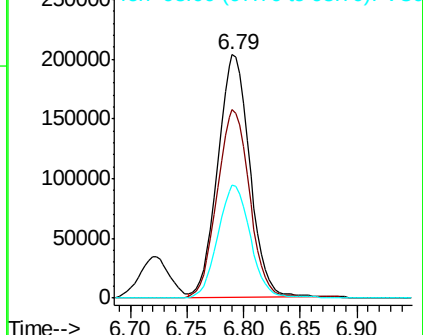
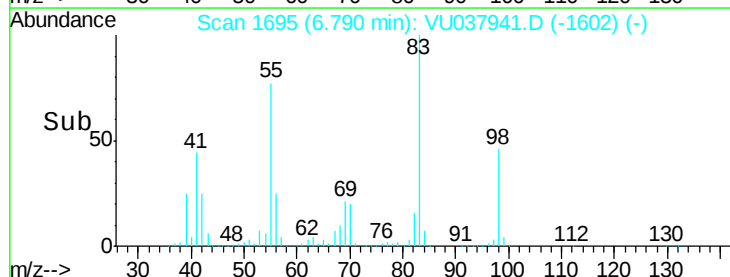
98 46.8 37.4 56.0

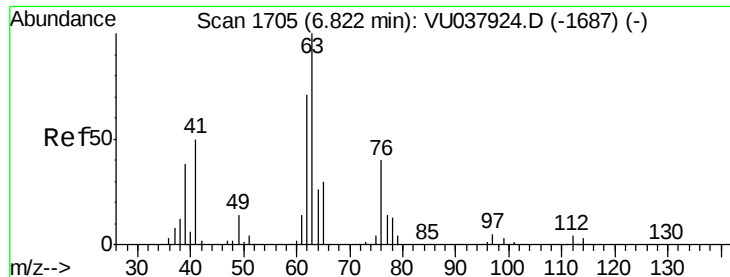


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

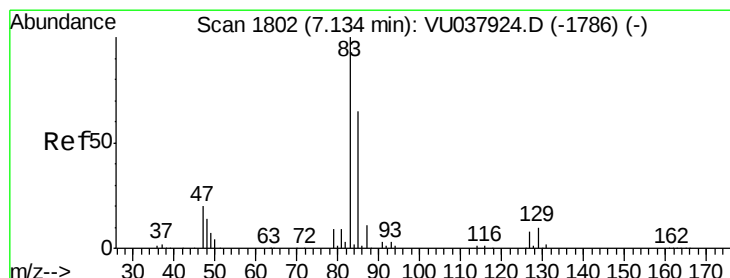
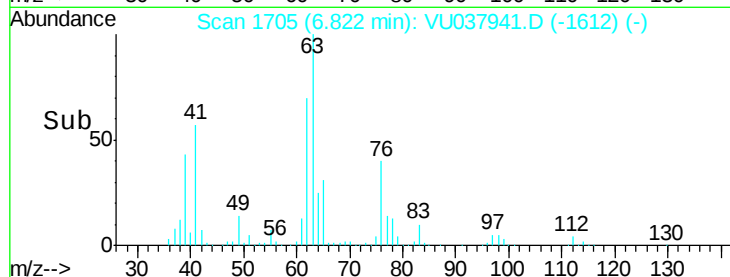
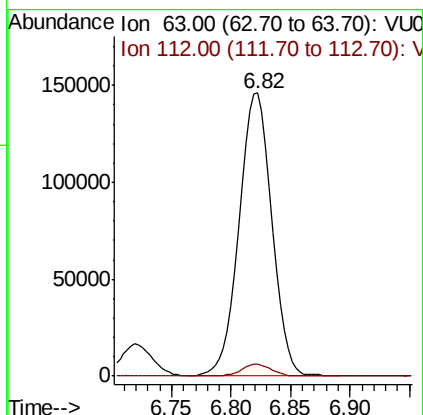
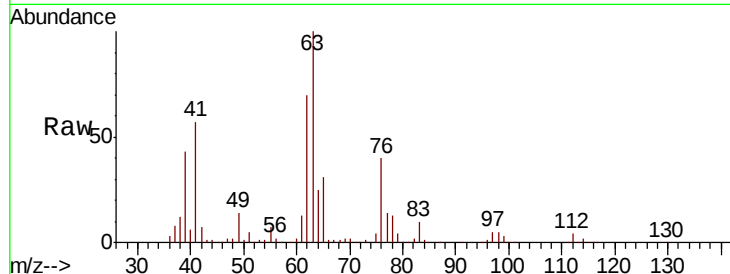




#37
 1,2-Dichloropropane
 Concen: 51.462 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

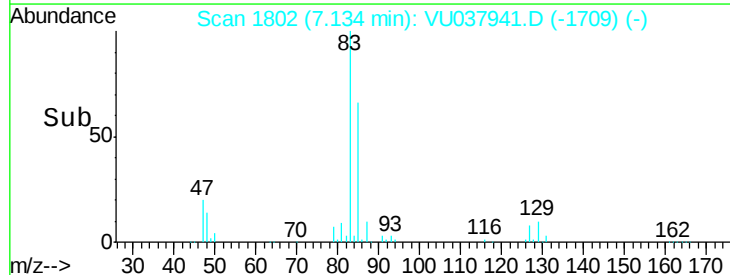
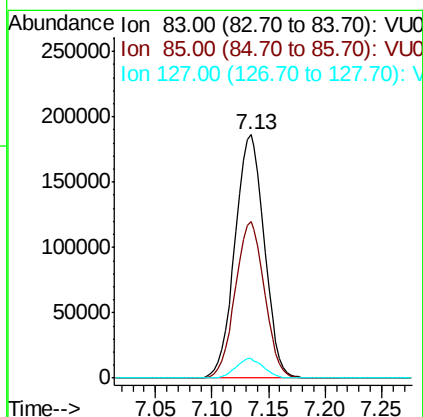
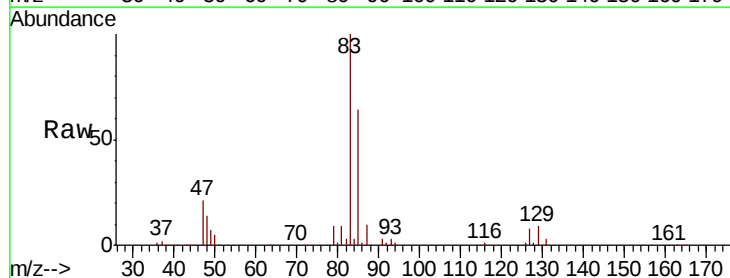
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

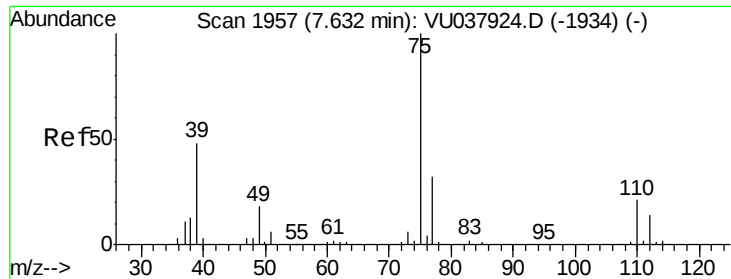
Tot Ion: 63 Resp: 277970
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.518 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion: 83 Resp: 336207
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.3 80.3
 127 7.8 6.2 9.2

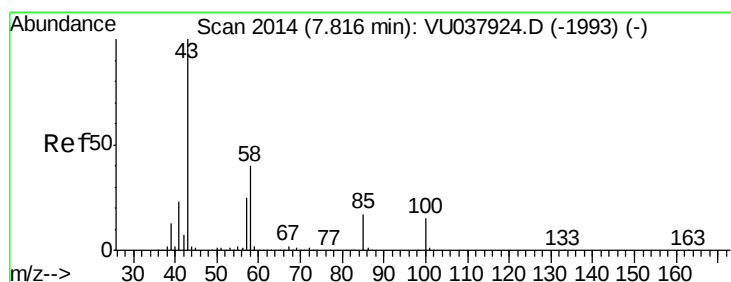
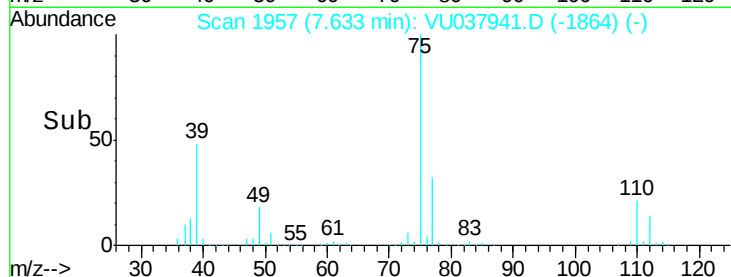
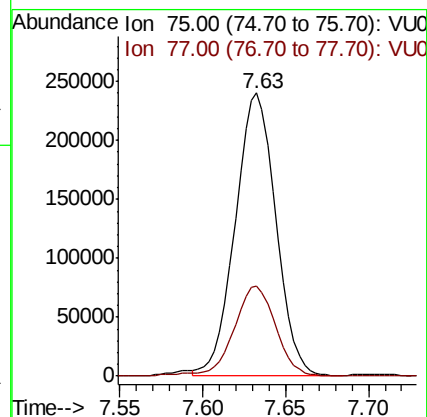
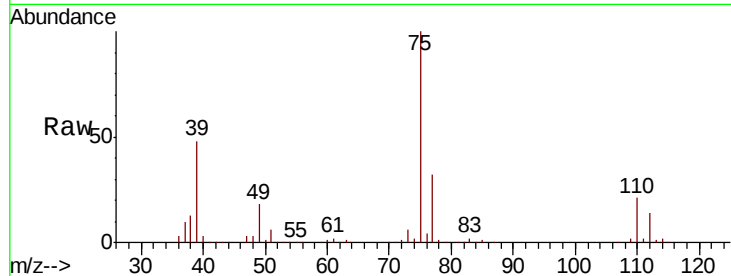




#39
 cis-1,3-Dichloropropene
 Concen: 46.970 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

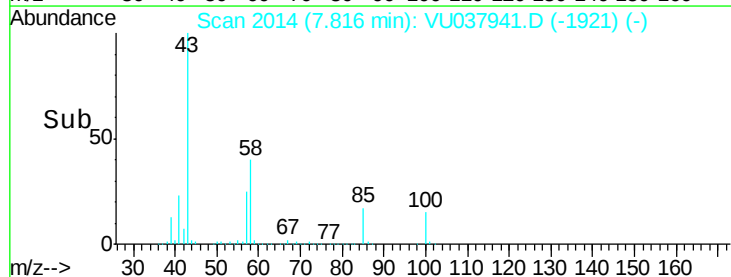
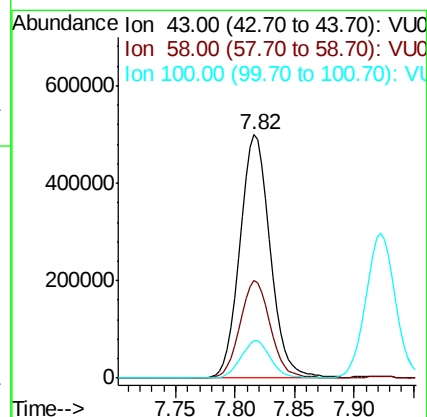
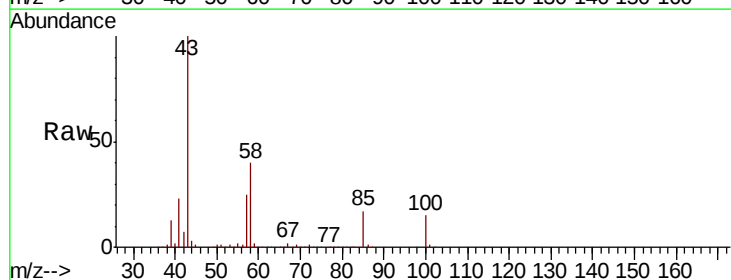
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

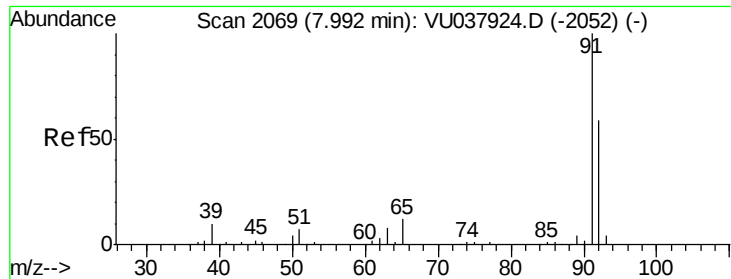
Tot Ion: 75 Resp: 406210
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 94.102 ug/L
 RT: 7.82 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion: 43 Resp: 883969
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.2 45.2
 100 15.2 10.9 16.3





#42

Toluene

Concen: 52.008 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

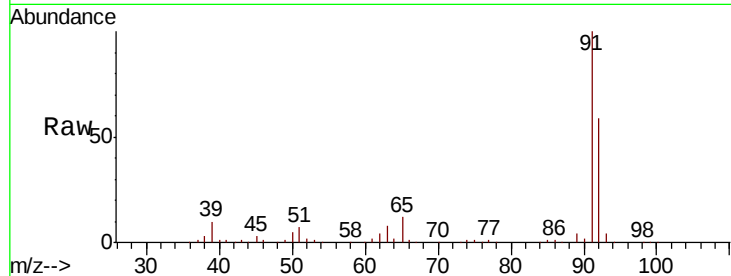
VSTD05054

Tot Ion: 91 Resp: 1078382

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037924.D (-2052) (-)

Ion 92.00 (91.70 to 92.70): VU037924.D (-2052) (-)

7.99

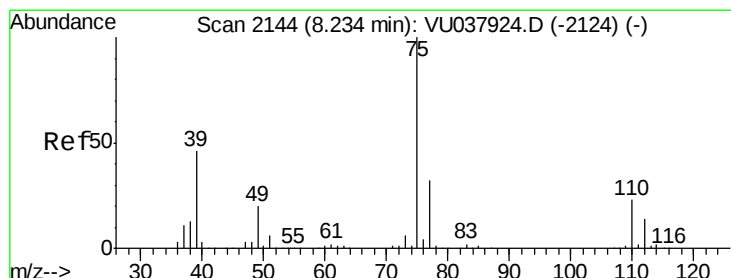
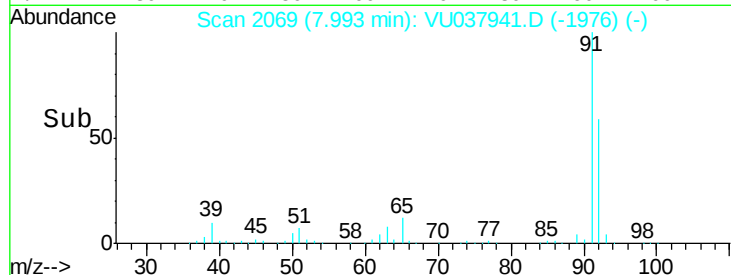
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.007 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037941.D

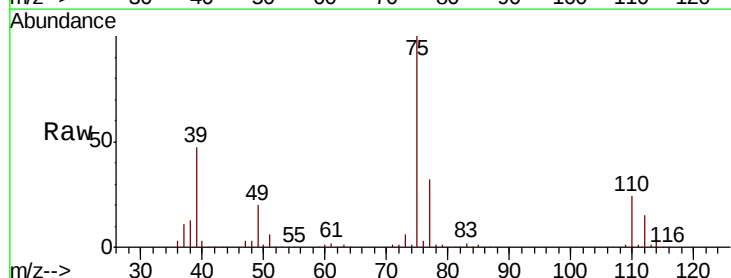
Acq: 30 Apr 2020 03:11

Tgt Ion: 75 Resp: 392402

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037924.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037924.D (-2124) (-)

8.23

250000

200000

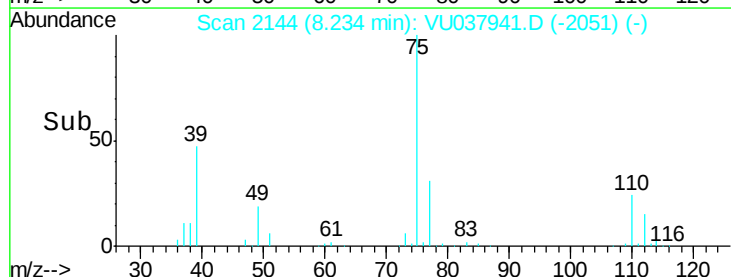
150000

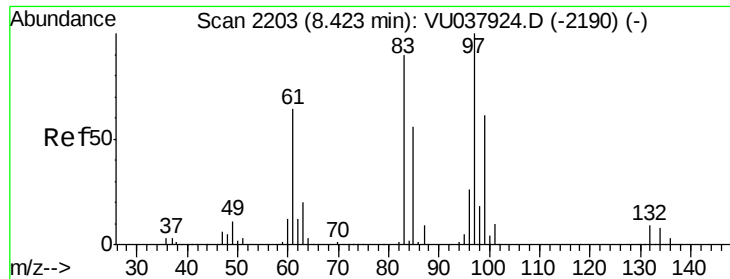
100000

50000

0

Time-->

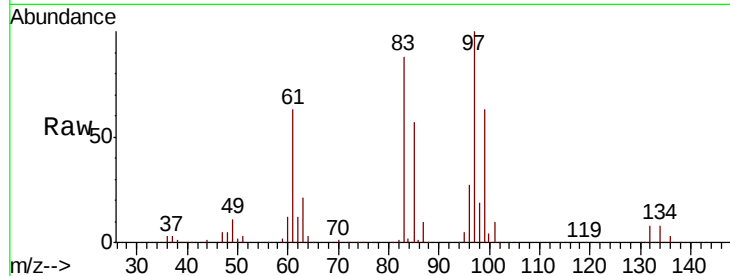




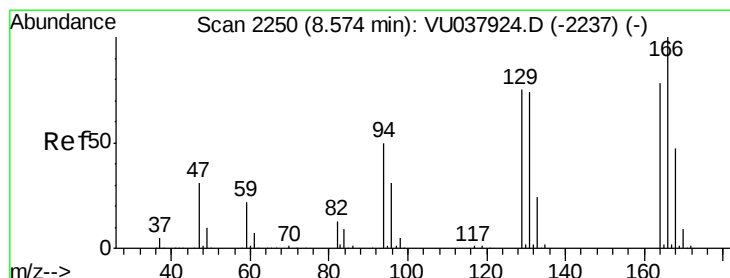
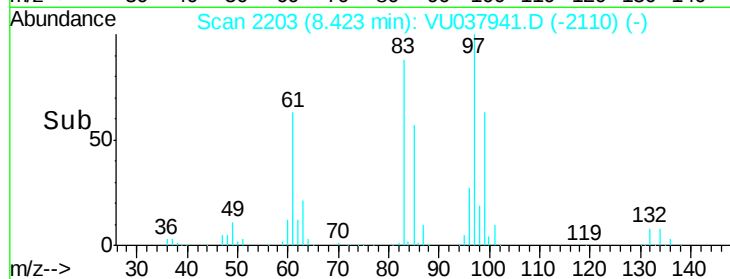
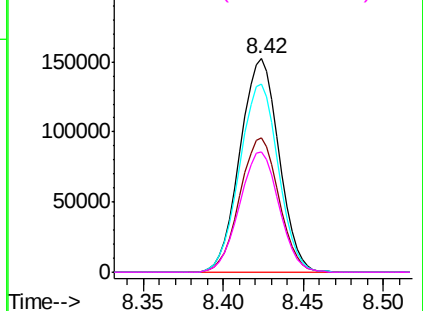
#45
 1,1,2-Trichloroethane
 Concen: 53.885 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tot Ion:	97	Resp:	253907
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	88.1	62.6	116.2
85	56.6	40.0	74.4

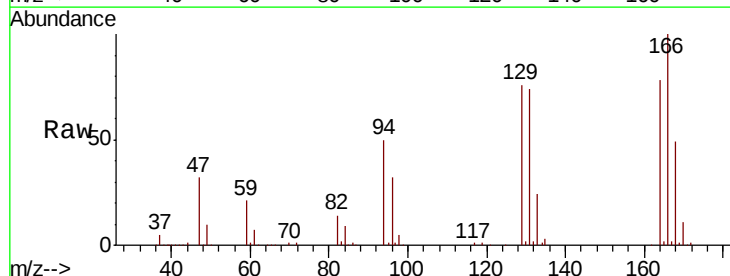


Abundance Ion 97.00 (96.70 to 97.70): VU037941.D (-2110) (-)

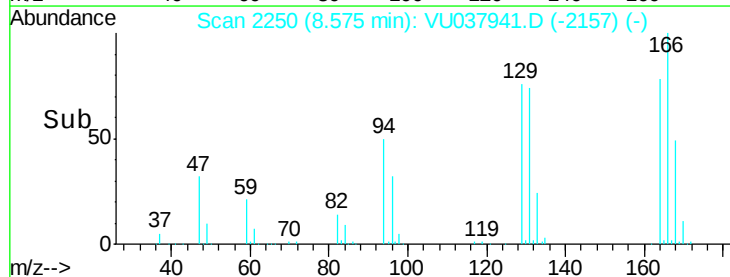
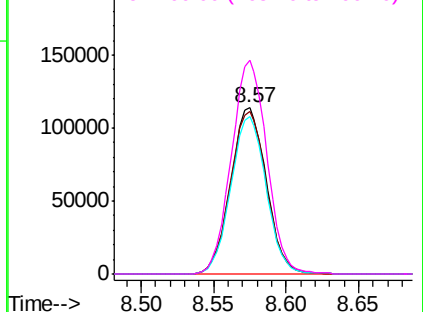


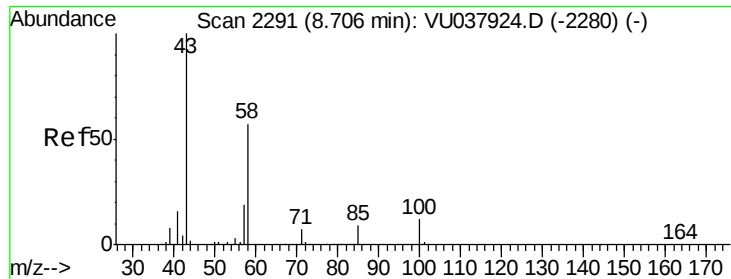
#46
 Tetrachloroethene
 Concen: 54.590 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion:	164	Resp:	193562
Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.3	125.1
131	94.6	64.8	120.4
166	128.6	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VU037941.D (-2157) (-)

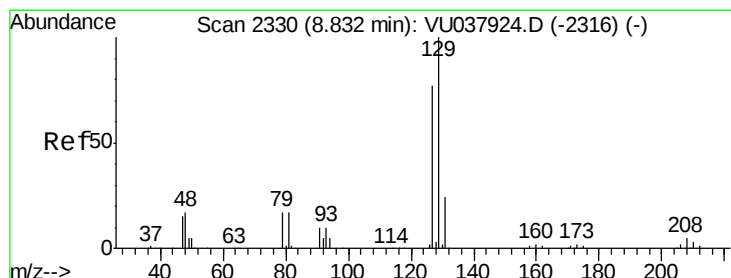
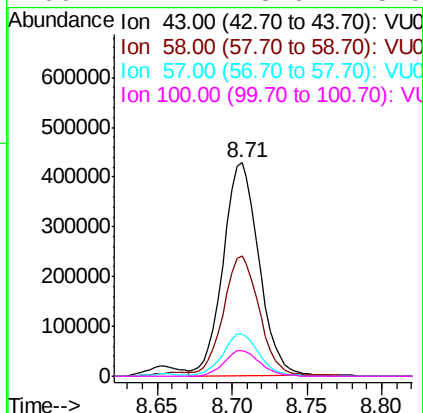
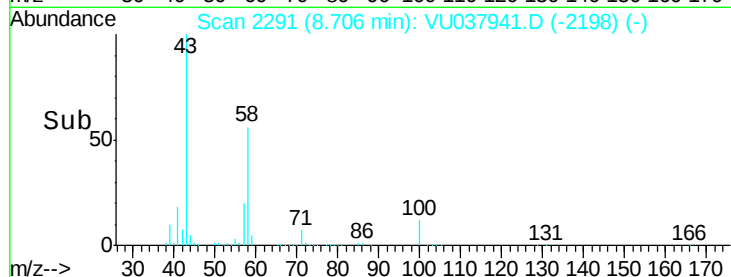
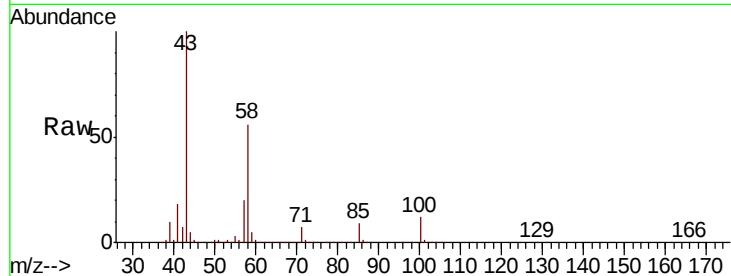




#48
2-Hexanone
Concen: 96.439 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

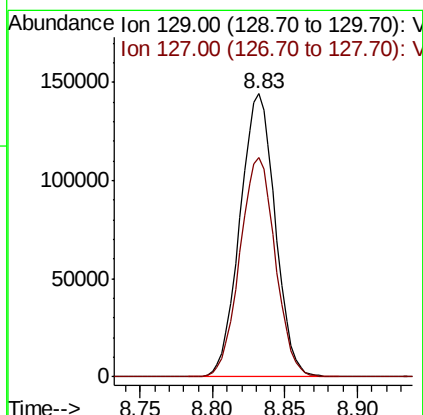
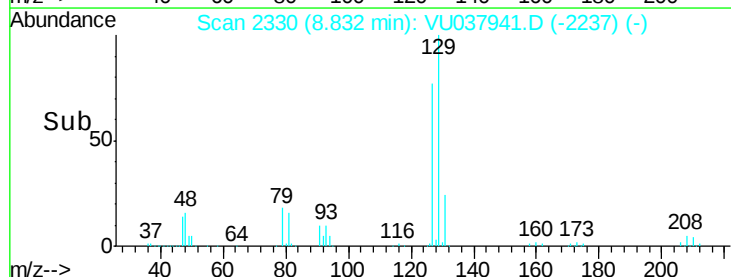
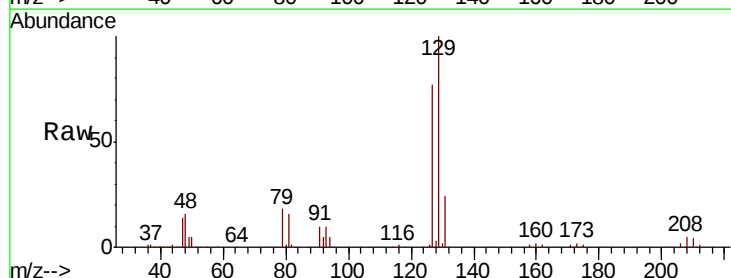
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

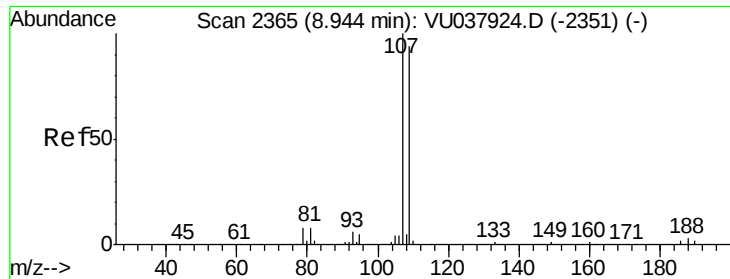
Tot Ion: 43 Resp: 716278
Ion Ratio Lower Upper
43 100
58 57.1 42.6 63.8
57 20.0 14.6 22.0
100 12.1 8.6 13.0



#49
Dibromochloromethane
Concen: 49.635 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

Tgt Ion: 129 Resp: 244221
Ion Ratio Lower Upper
129 100
127 77.3 54.7 101.5

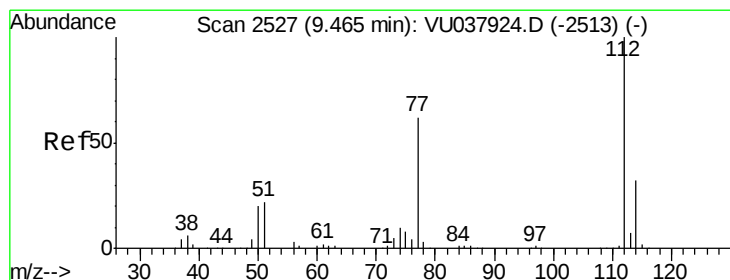
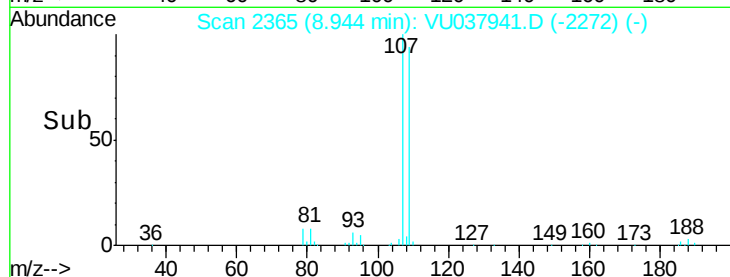
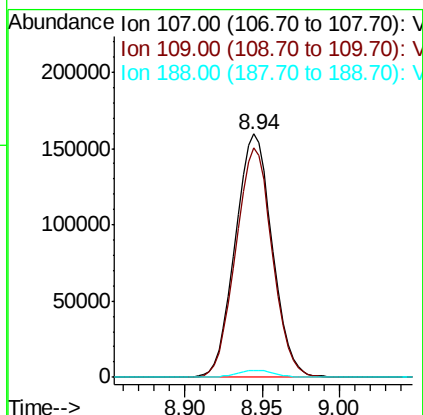
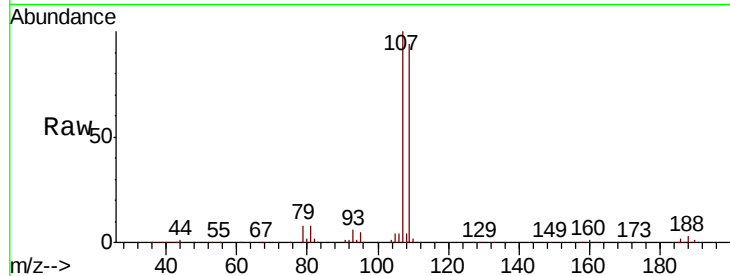




#50
 1,2-Dibromoethane
 Concen: 51.964 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

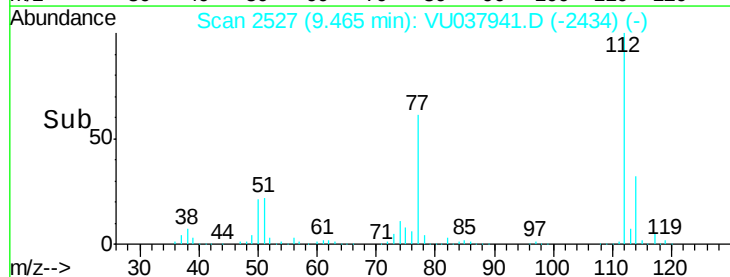
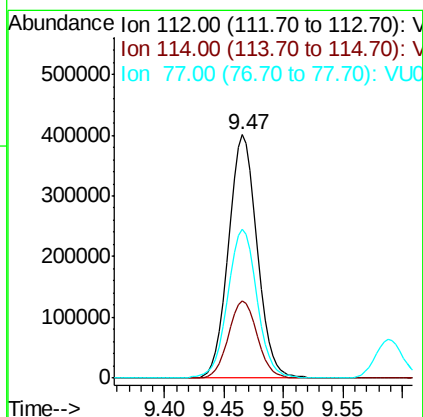
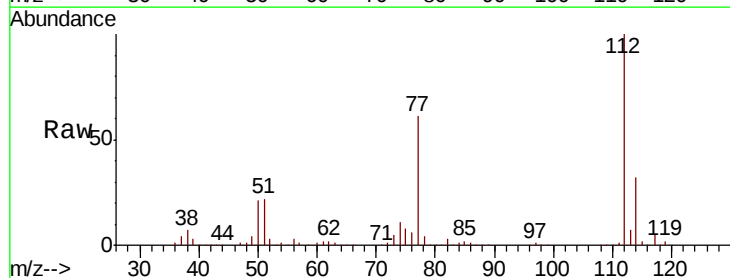
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

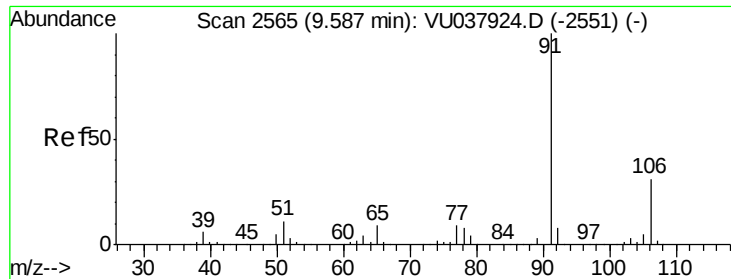
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.7	122.1
188	3.0	2.9	4.3



#51
 Chlorobenzene
 Concen: 51.831 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	61.4	49.8	74.6

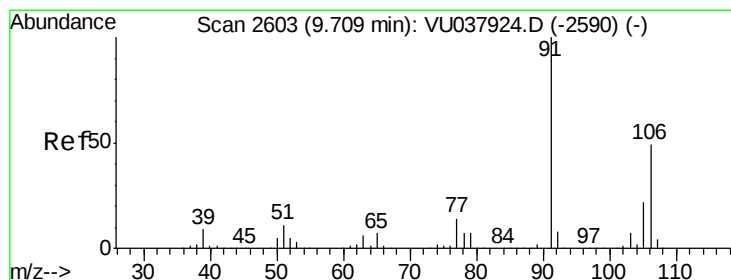
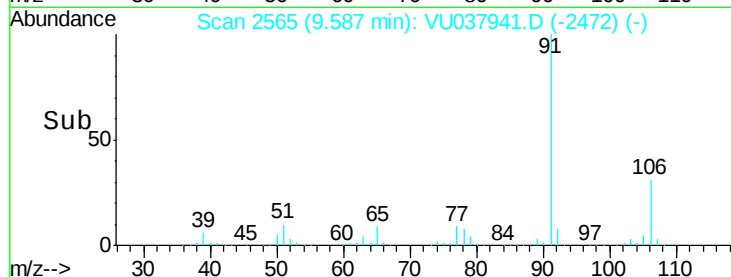
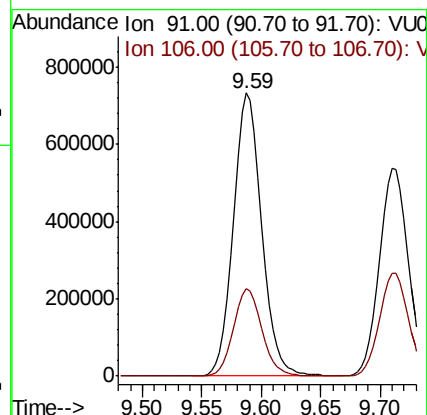
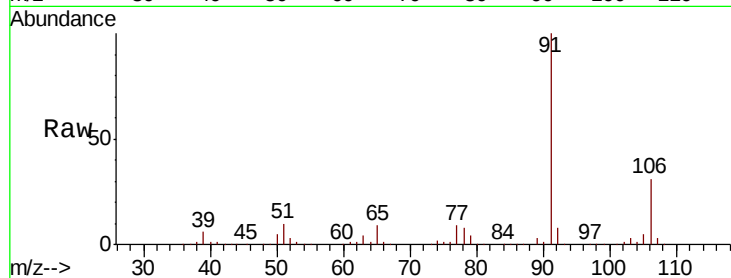




#52
Ethylbenzene
Concen: 52.072 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

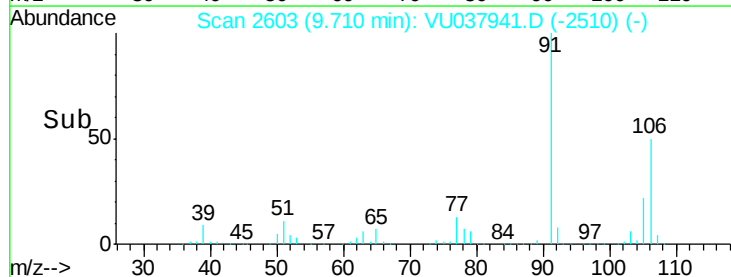
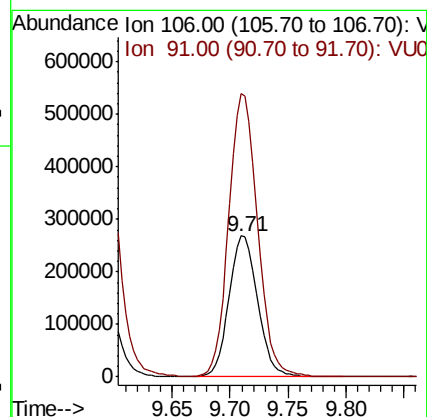
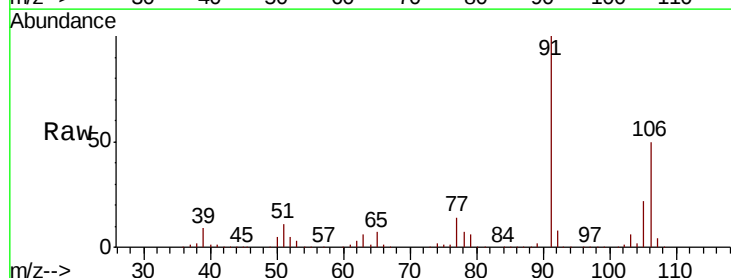
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

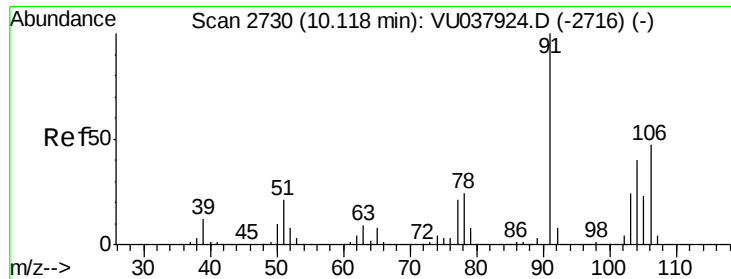
Tot Ion: 91 Resp: 1209120
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.1



#53
m,p-Xylene
Concen: 52.661 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU037941.D
Acq: 30 Apr 2020 03:11

Tgt Ion: 106 Resp: 460390
Ion Ratio Lower Upper
106 100
91 201.2 142.8 265.2





#54

o-xylene

Concen: 52.940 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

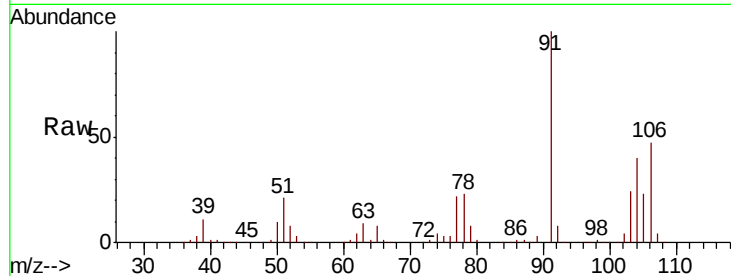
VSTD05054

Tot Ion:106 Resp: 452656

Ion Ratio Lower Upper

106 100

91 211.7 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

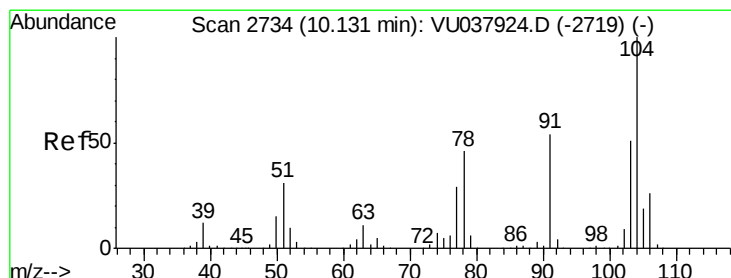
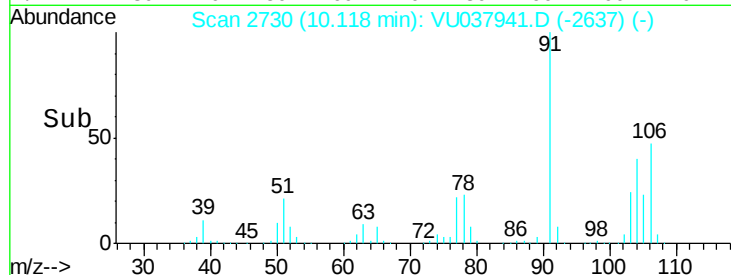
400000

200000

0

10.10 10.12 10.20

Time-->



#55

Styrene

Concen: 53.189 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037941.D

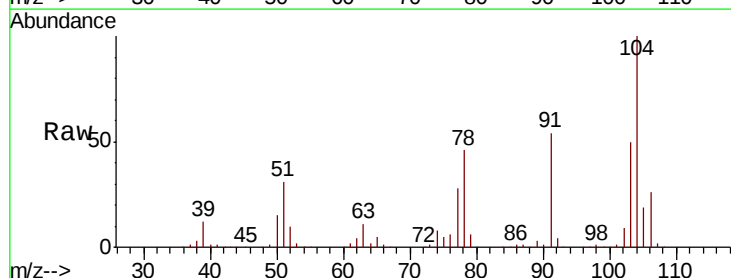
Acq: 30 Apr 2020 03:11

Tgt Ion:104 Resp: 782105

Ion Ratio Lower Upper

104 100

78 45.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

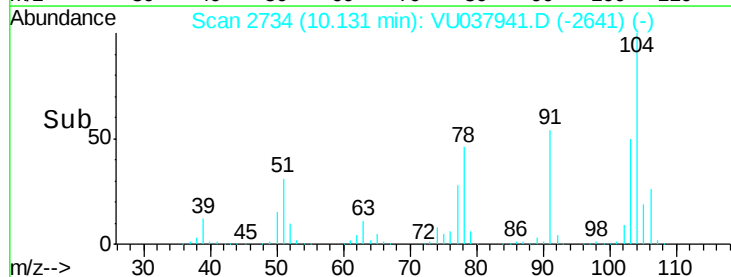
200000

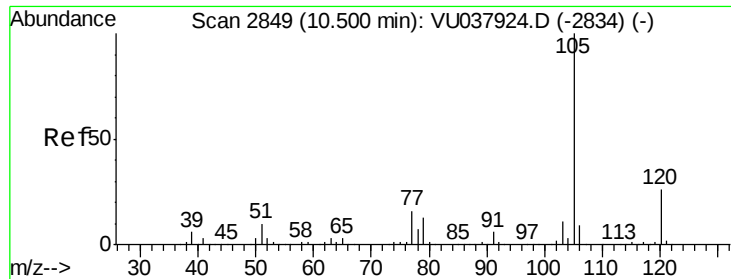
100000

0

10.10 10.13 10.20

Time-->





#56

Isopropylbenzene

Concen: 52.017 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

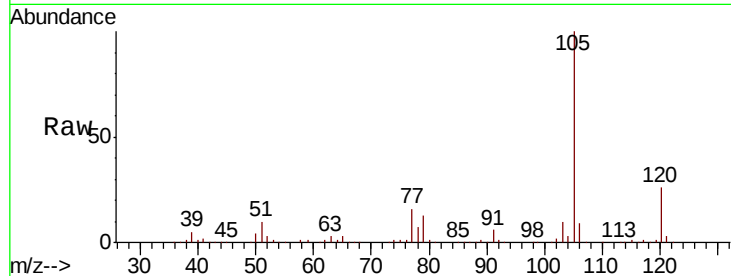
Tot Ion:105 Resp: 1177069

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

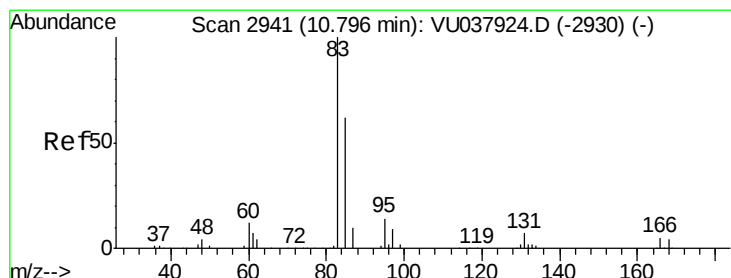
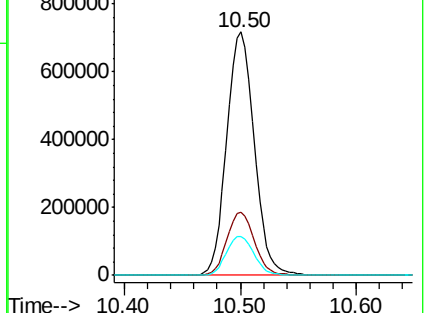
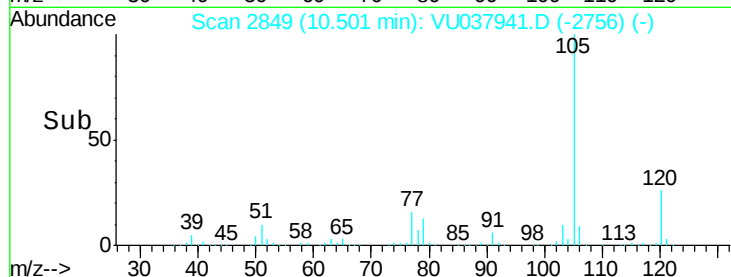
77 16.2 13.0 19.4



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: 51.983 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

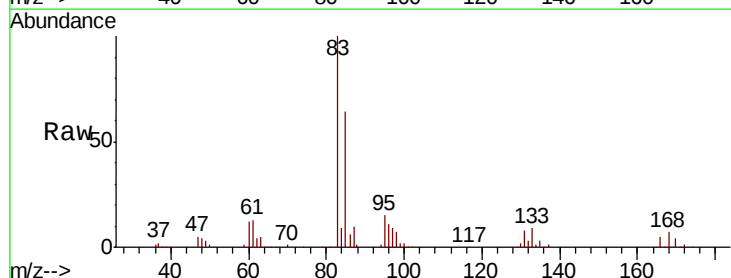
Tgt Ion: 83 Resp: 435632

Ion Ratio Lower Upper

83 100

85 63.6 43.8 81.4

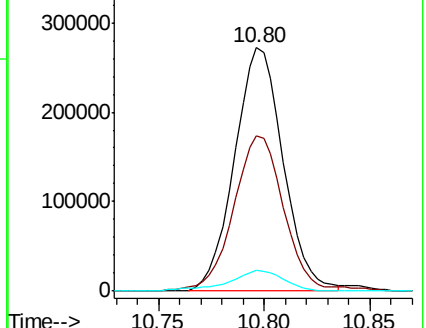
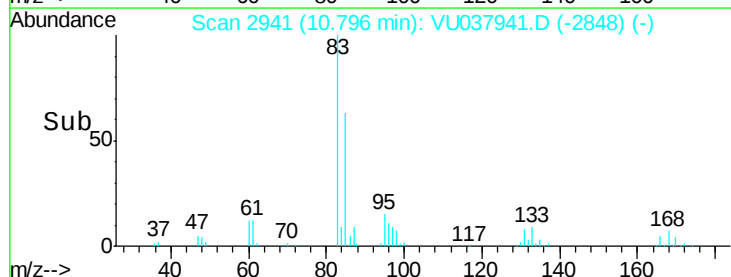
131 8.4 7.2 10.8

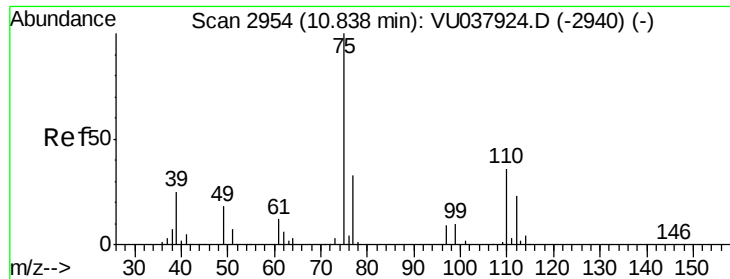


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

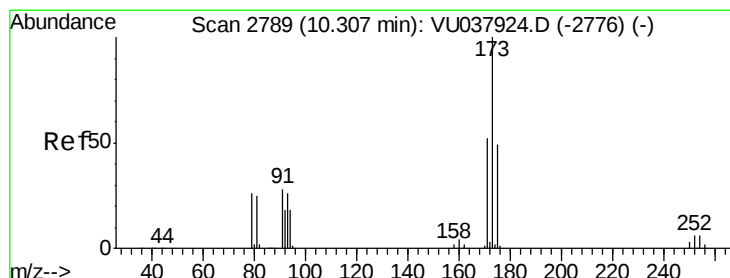
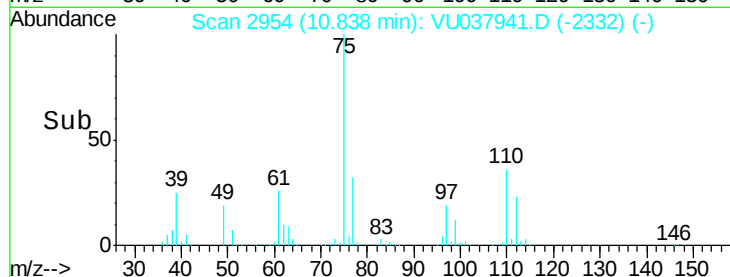
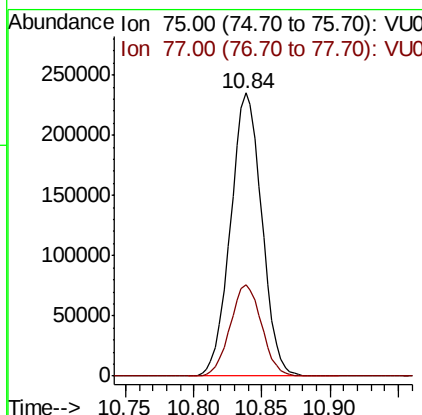
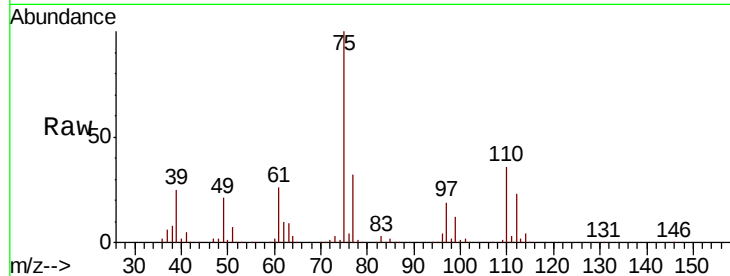




#59
 1,2,3-Trichloropropane
 Concen: 51.587 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

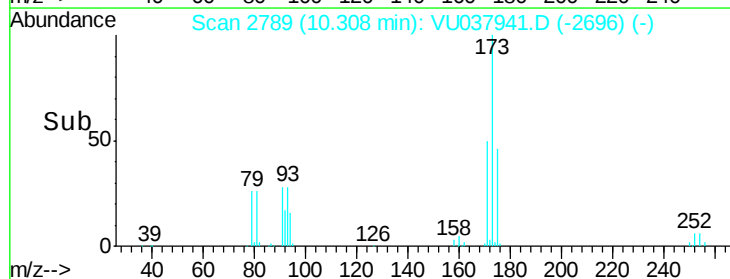
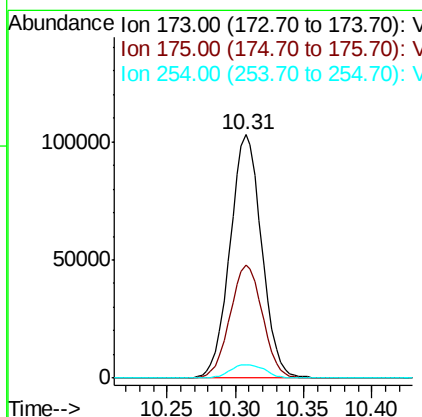
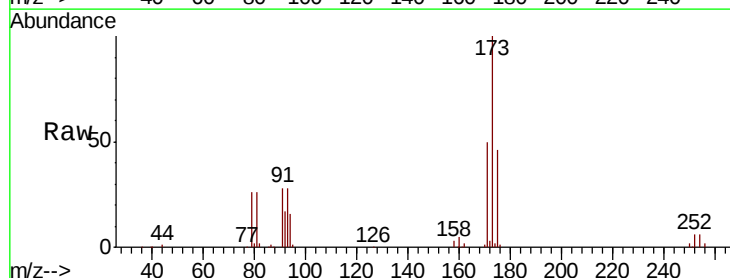
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

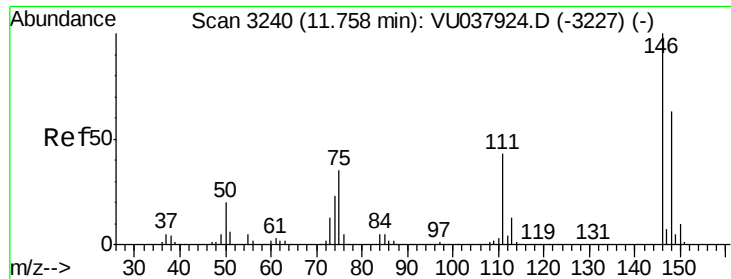
Tot Ion: 75 Resp: 374317
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#61
 Bromoform
 Concen: 46.357 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion: 173 Resp: 166057
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.8 58.2
 254 6.1 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 50.893 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

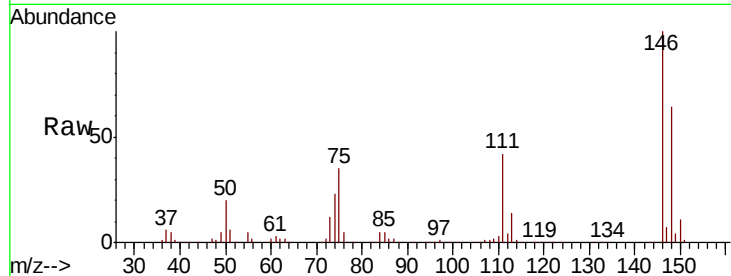
Tot Ion:146 Resp: 507194

Ion Ratio Lower Upper

146 100

111 42.0 29.0 53.9

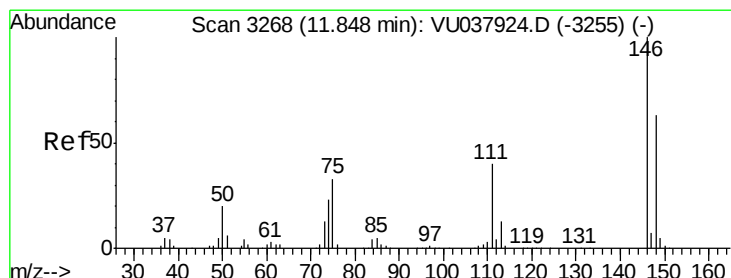
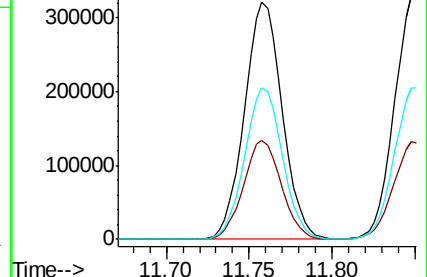
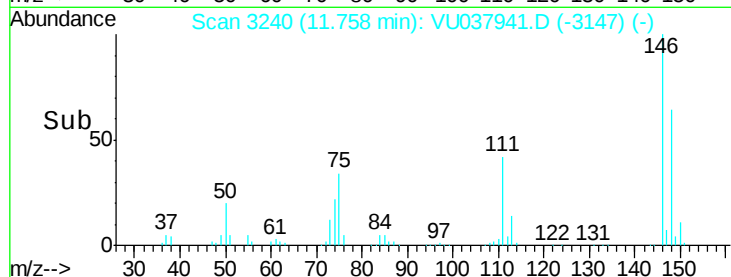
148 63.7 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.957 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

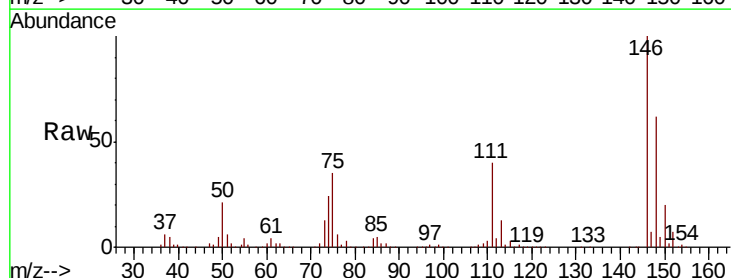
Tgt Ion:146 Resp: 512564

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

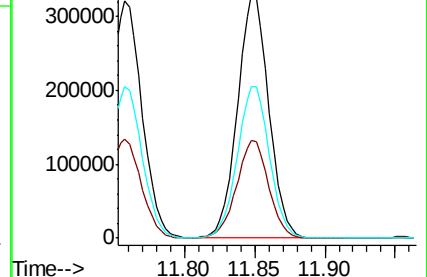
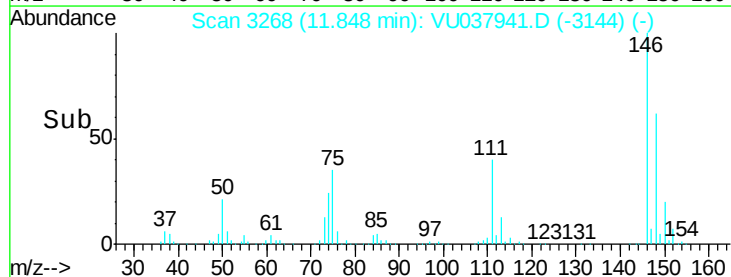
148 62.4 43.9 81.5

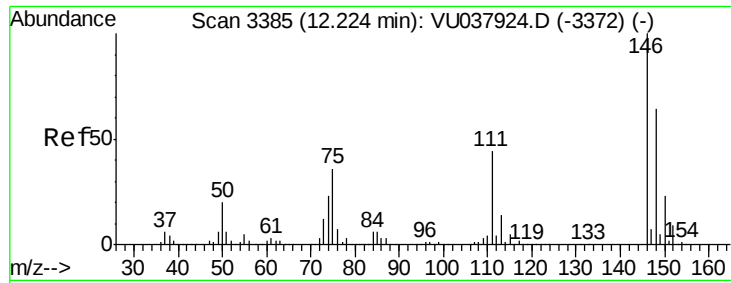


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.737 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

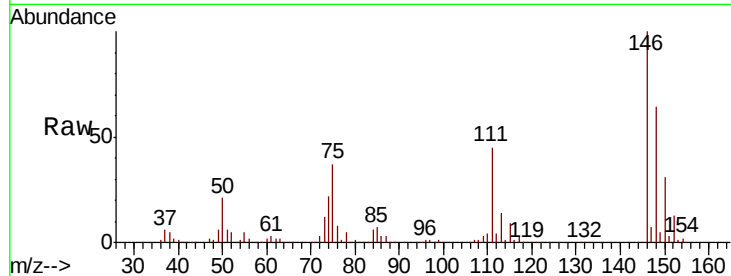
Tot Ion:146 Resp: 510713

Ion Ratio Lower Upper

146 100

111 45.0 35.4 53.2

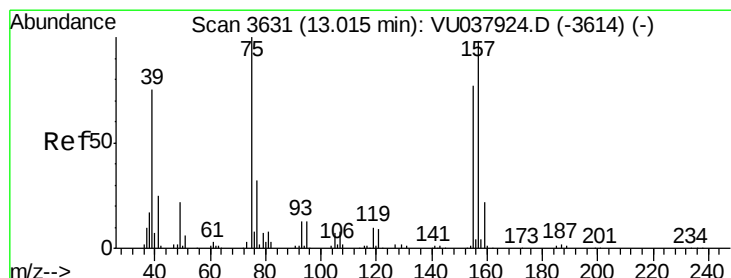
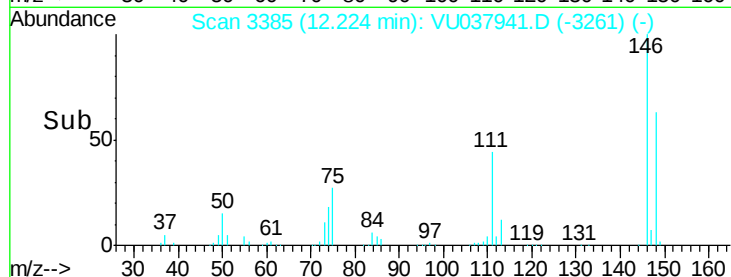
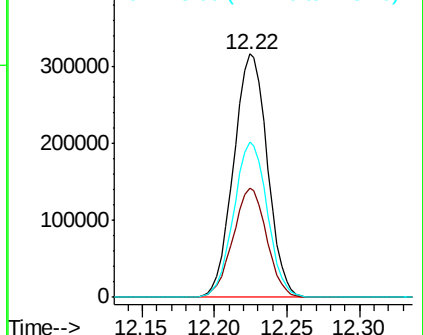
148 63.7 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): 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: 47.761 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

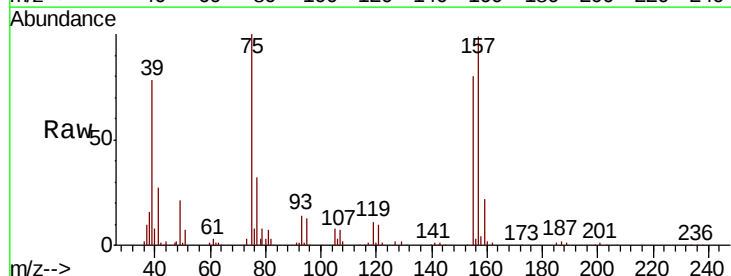
Tgt Ion: 75 Resp: 103080

Ion Ratio Lower Upper

75 100

155 79.5 59.6 89.4

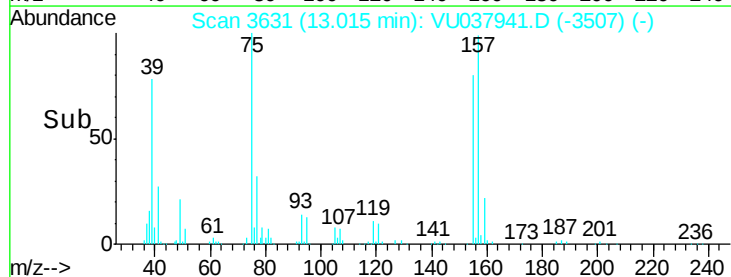
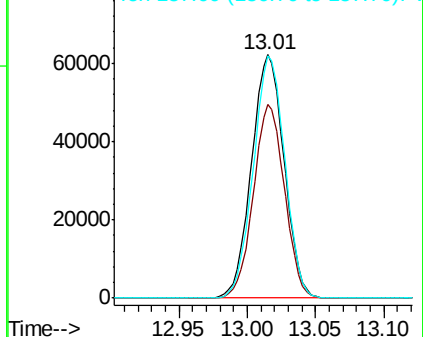
157 99.3 77.2 115.8

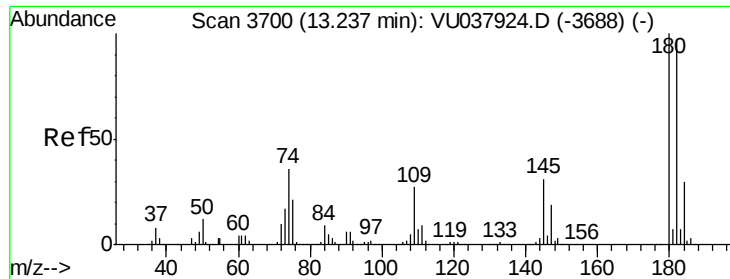


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

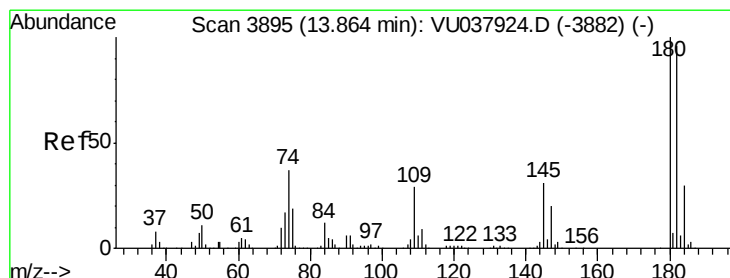
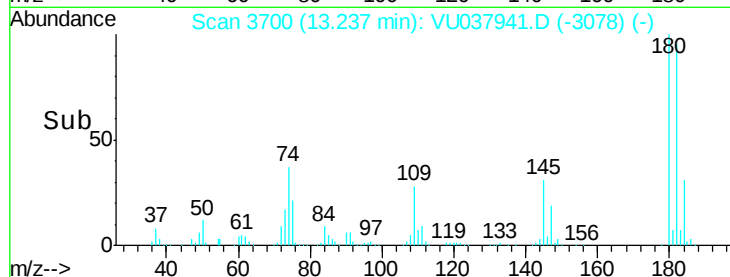
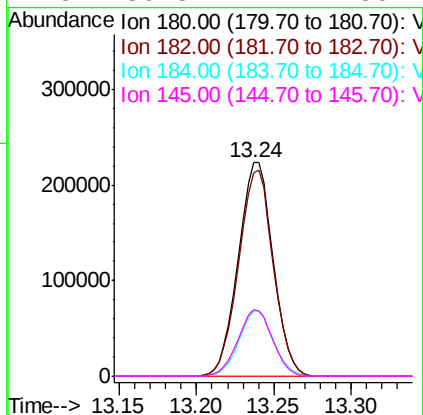
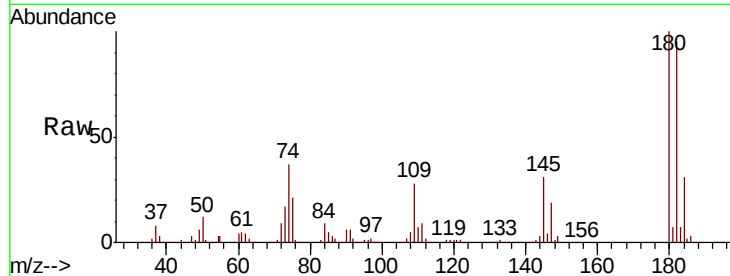




#67
 1,3,5-Trichlorobenzene
 Concen: 48.278 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

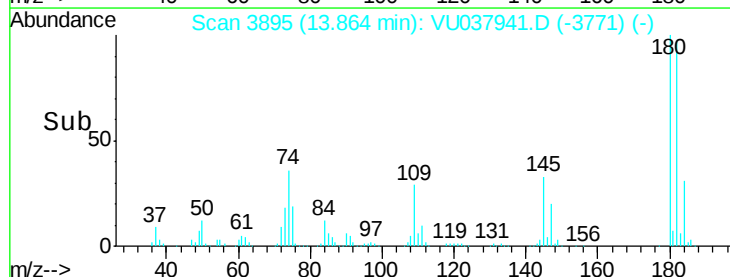
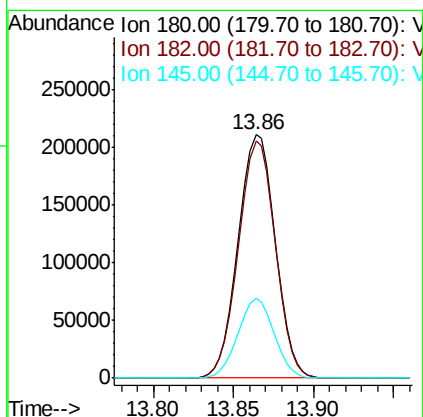
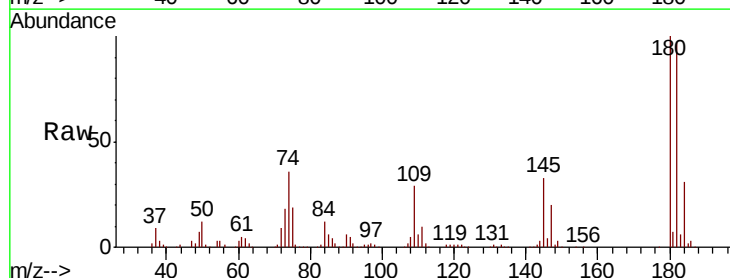
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

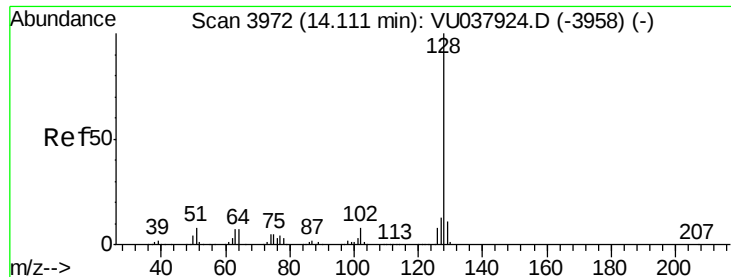
Tot Ion:180	Resp:	349651
Ion	Ratio	Lower Upper
180	100	
182	95.8	76.5 114.7
184	30.2	24.2 36.4
145	30.8	24.2 36.4



#68
 1,2,4-trichlorobenzene
 Concen: 47.483 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU037941.D
 Acq: 30 Apr 2020 03:11

Tgt Ion:180	Resp:	334462
Ion	Ratio	Lower Upper
180	100	
182	96.2	76.9 115.3
145	31.8	23.8 35.8





#69

Naphthalene

Concen: 51.938 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

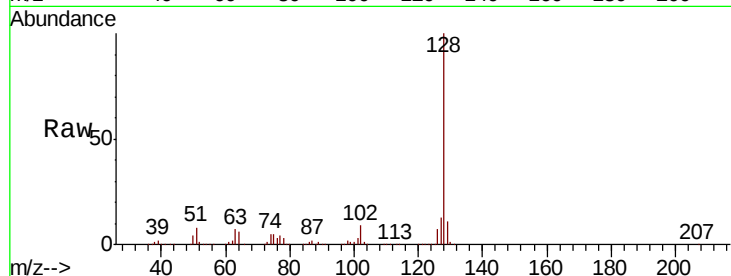
Tot Ion:128 Resp: 1311879

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

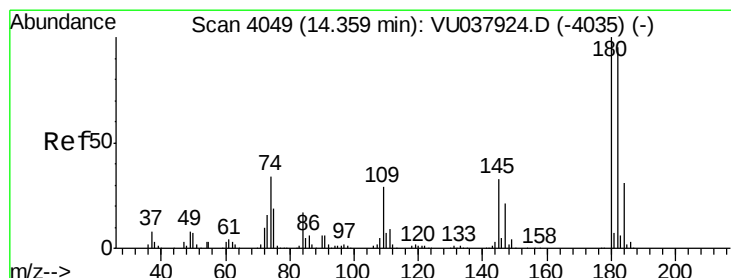
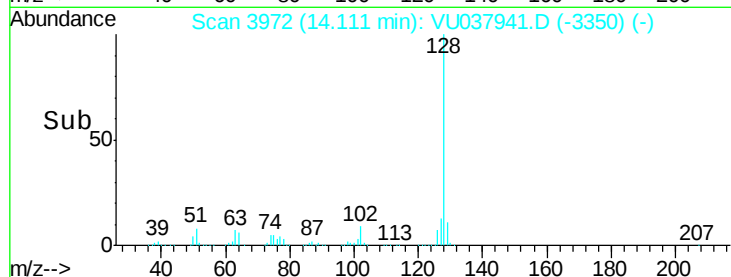
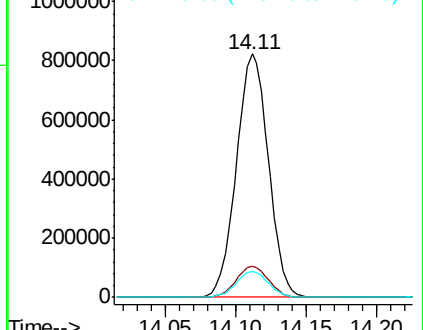
129 10.8 8.6 13.0



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: 48.713 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037941.D

Acq: 30 Apr 2020 03:11

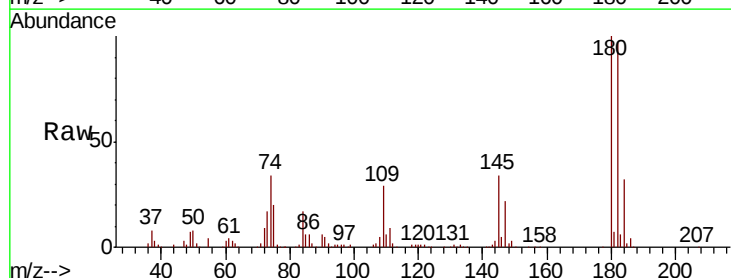
Tgt Ion:180 Resp: 338822

Ion Ratio Lower Upper

180 100

182 97.2 76.6 114.8

145 33.9 26.1 39.1



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

