

Data File : VU037332.D
Acq On : 17 Mar 2020 21:03
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Mar 18 02:41:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 02:36:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	431209	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	430209	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	219399	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131103	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.56%
7) Chloroethane-d5	1.93	69	116674	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.72%
11) 1,1-Dichloroethene-d2	2.59	63	260560	42.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.12%
21) 2-Butanone-d5	4.67	46	262969	99.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.57%
24) Chloroform-d	5.11	84	306376	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.74	65	214492	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
32) Benzene-d6	5.76	84	547110	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.72	67	179532	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.62%
41) Toluene-d8	7.92	98	536602	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	96174	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.66	63	204574	101.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.93%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	289675	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	12.21	152	218698	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	203570	46.196	ug/L 99
3) Chloromethane	1.54	50	178079	49.412	ug/L 98
5) Vinyl chloride	1.62	62	186729	47.280	ug/L 99
6) Bromomethane	1.87	94	86002	56.728	ug/L 96
8) Chloroethane	1.95	64	109937	47.514	ug/L 99
9) Trichlorofluoromethane	2.16	101	294708	48.872	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	135502	48.114	ug/L 97
12) 1,1-Dichloroethene	2.60	96	123324	48.461	ug/L 90
13) Acetone	2.65	43	177396	70.795	ug/L 98
14) Carbon disulfide	2.82	76	326948	45.316	ug/L 98
15) Methyl Acetate	2.98	43	185362	47.032	ug/L 96
16) Methylene chloride	3.08	84	153281	48.257	ug/L 92
17) trans-1,2-Dichloroethene	3.39	96	131089	49.167	ug/L 93
18) Methyl tert-butyl Ether	3.40	73	498911	48.456	ug/L 99
19) 1,1-Dichloroethane	3.91	63	284149	47.629	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	158514	49.153	ug/L 92
22) 2-Butanone	4.75	43	280910	88.636	ug/L 96

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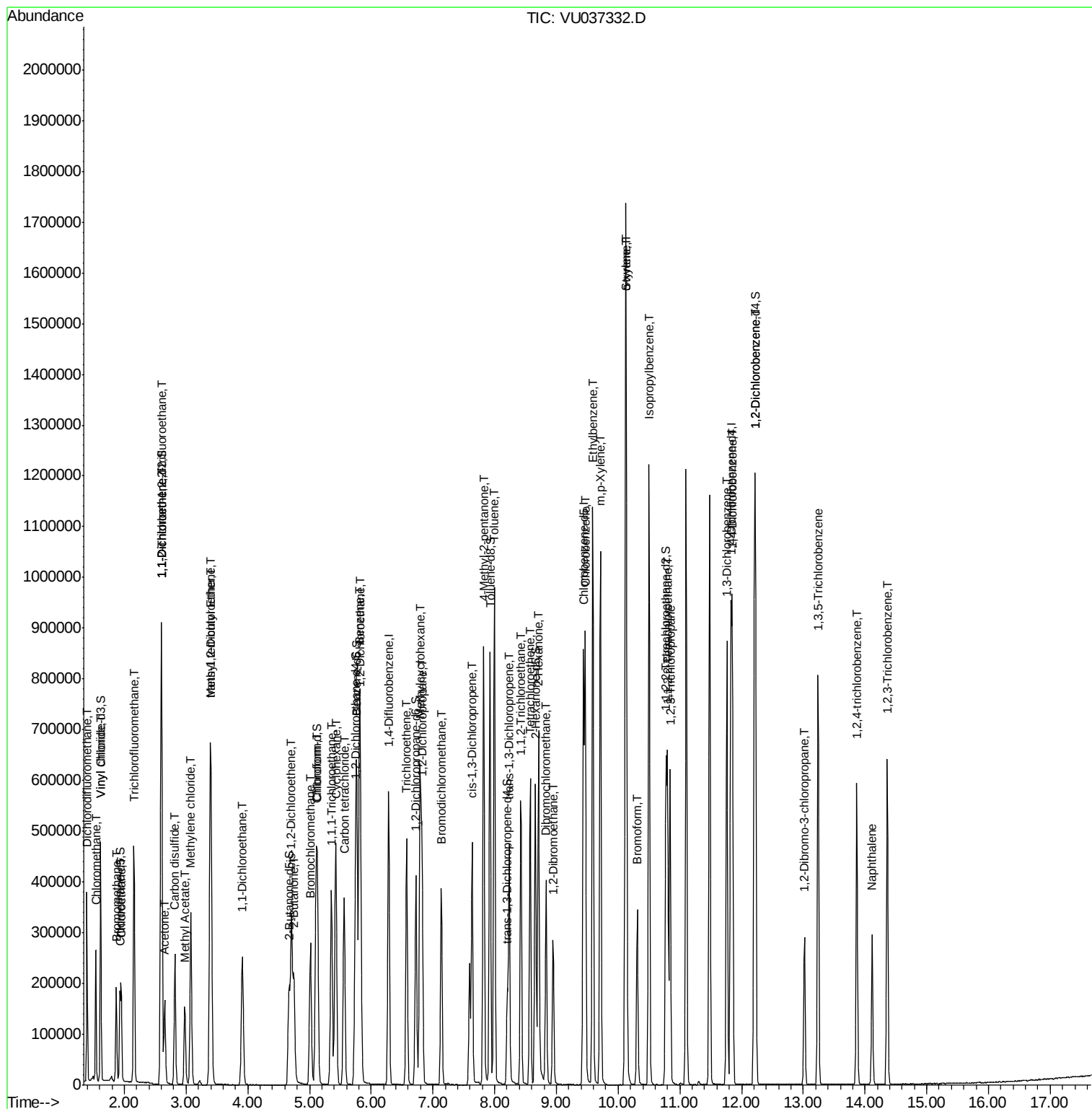
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	81502	50.116	ug/L	92
25) Chloroform	5.13	83	306469	47.506	ug/L	98
27) 1,2-Dichloroethane	5.83	62	268153	46.651	ug/L	97
29) Cyclohexane	5.43	56	228988	45.024	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	280689	49.155	ug/L	97
31) Carbon tetrachloride	5.56	117	247894	49.132	ug/L	100
33) Benzene	5.81	78	611884	48.254	ug/L	100
34) Trichloroethene	6.57	95	160128	48.596	ug/L	97
35) Methylcyclohexane	6.79	83	232115	46.528	ug/L	96
37) 1,2-Dichloropropane	6.82	63	168946	46.872	ug/L	100
38) Bromodichloromethane	7.13	83	241379	47.900	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	253535	45.365	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	552915	94.234	ug/L	98
42) Toluene	8.00	91	684407	49.425	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	246611	46.735	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	161151	49.102	ug/L	97
46) Tetrachloroethene	8.57	164	126122	51.520	ug/L	98
48) 2-Hexanone	8.71	43	426436	92.224	ug/L	95
49) Dibromochloromethane	8.83	129	194615	50.404	ug/L	99
50) 1,2-Dibromoethane	8.95	107	177451	50.102	ug/L	98
51) Chlorobenzene	9.47	112	428876	49.248	ug/L	99
52) Ethylbenzene	9.59	91	777690	48.502	ug/L	100
53) m,p-Xylene	9.71	106	279707	49.321	ug/L	100
54) o-xylene	10.12	106	281542	50.248	ug/L	93
55) Styrene	10.13	104	480173	50.535	ug/L	96
56) Isopropylbenzene	10.50	105	762221	48.943	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	295310	49.295	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	244579	48.813	ug/L	98
61) Bromoform	10.31	173	152746	49.846	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	337704	48.562	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	339215	48.263	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	347897	48.982	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74452	47.546	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	238841	47.128	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	174571	44.113	ug/L	99
69) Naphthalene	14.11	128	223394	37.223	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	183327	44.145	ug/L	99

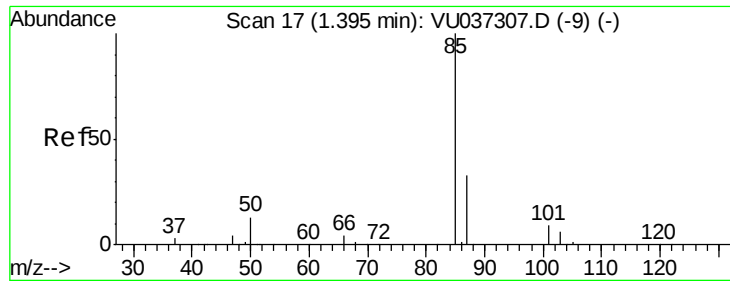
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.196 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

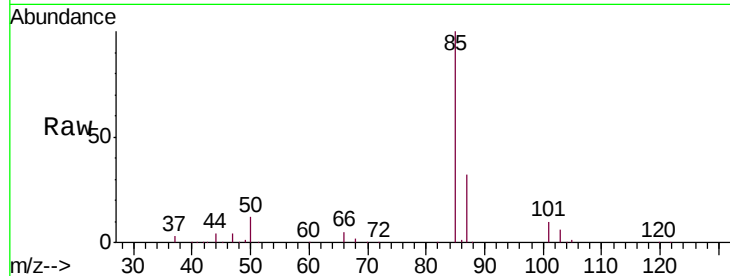
VSTD05056

Tgt Ion: 85 Resp: 203570

Ion Ratio Lower Upper

85 100

87 31.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037307.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037307.D (-9) (-)

1.39

200000

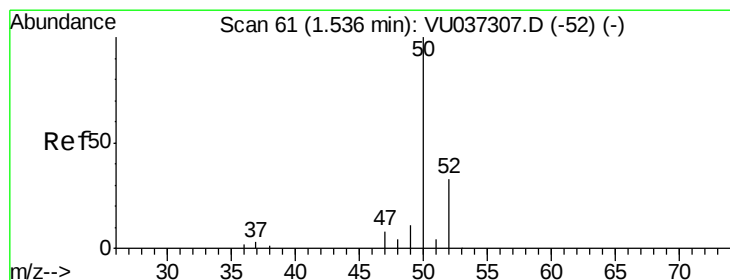
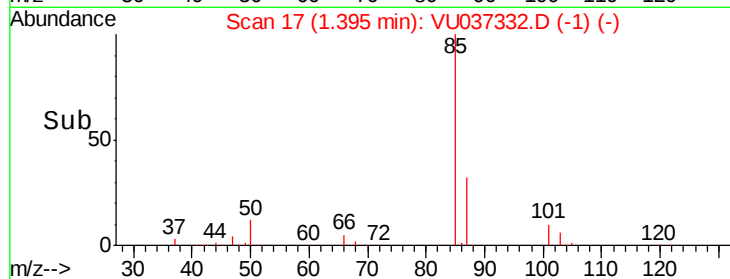
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.412 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037332.D

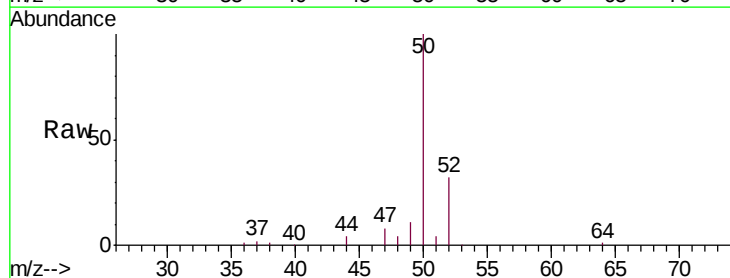
Acq: 17 Mar 2020 21:03

Tgt Ion: 50 Resp: 178079

Ion Ratio Lower Upper

50 100

52 31.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037307.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037307.D (-52) (-)

1.54

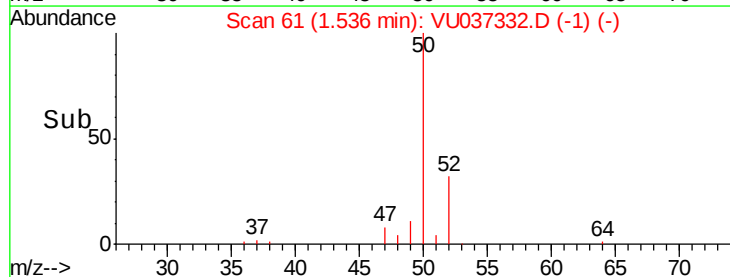
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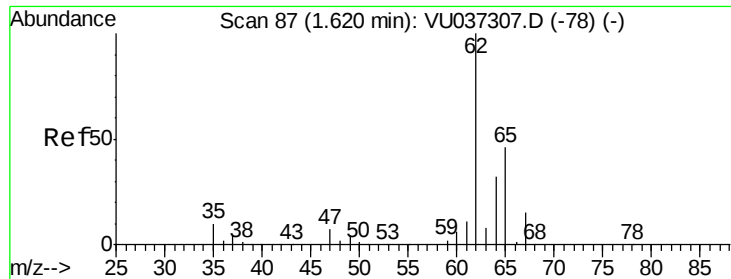
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 47.280 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

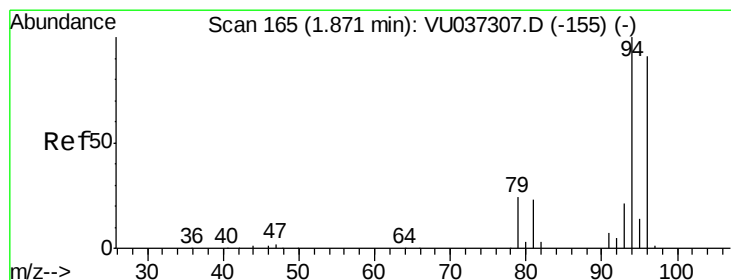
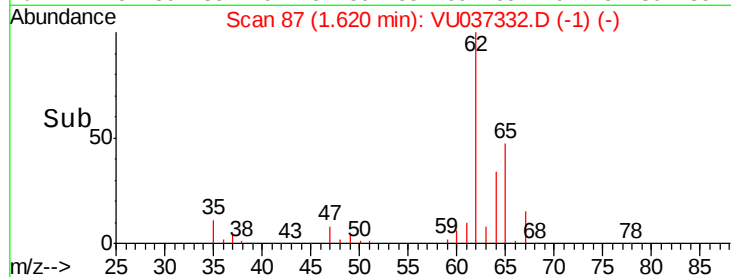
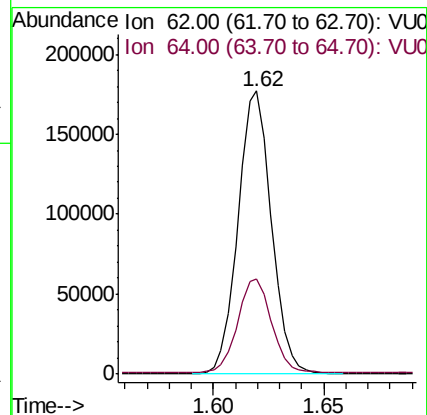
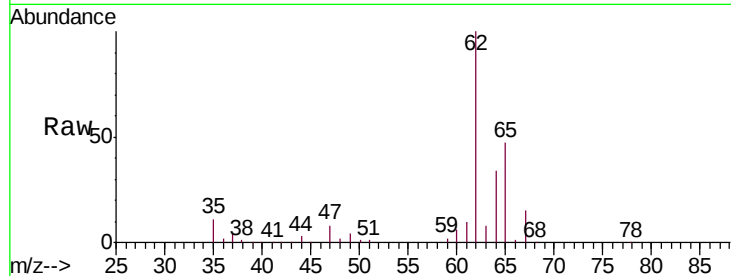
VSTD05056

Tgt Ion: 62 Resp: 186729

Ion Ratio Lower Upper

62 100

64 33.6 23.1 42.9



#6

Bromomethane

Concen: 56.728 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037332.D

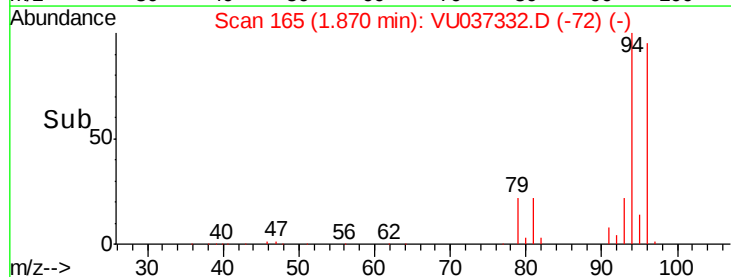
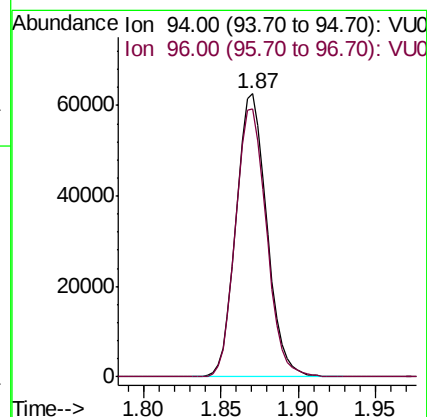
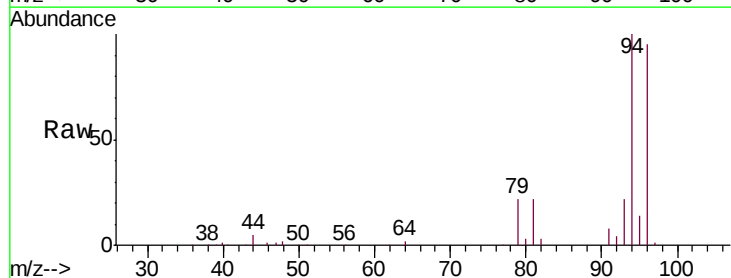
Acq: 17 Mar 2020 21:03

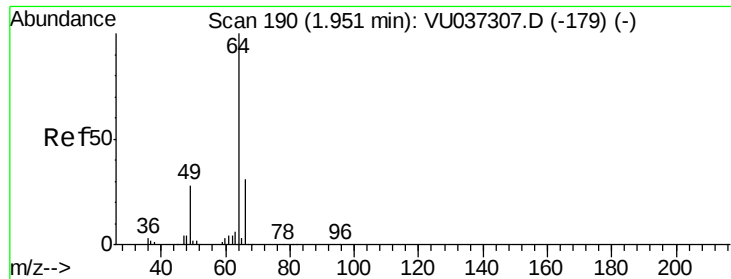
Tgt Ion: 94 Resp: 86002

Ion Ratio Lower Upper

94 100

96 94.5 63.5 117.9





#8

Chloroethane

Concen: 47.514 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

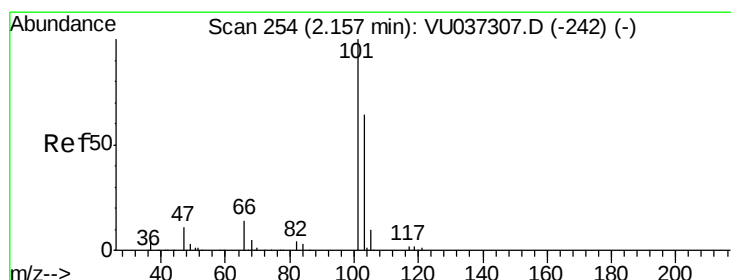
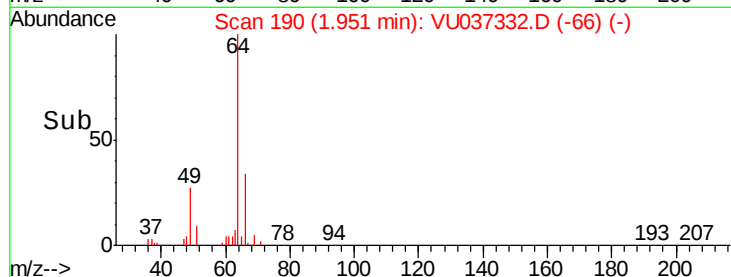
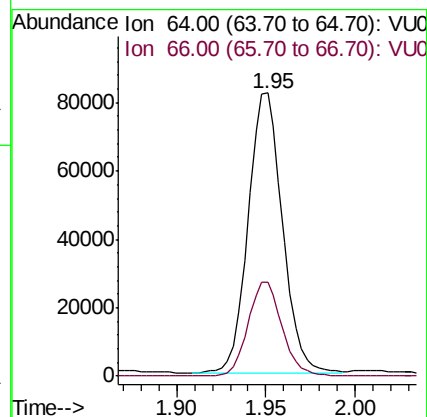
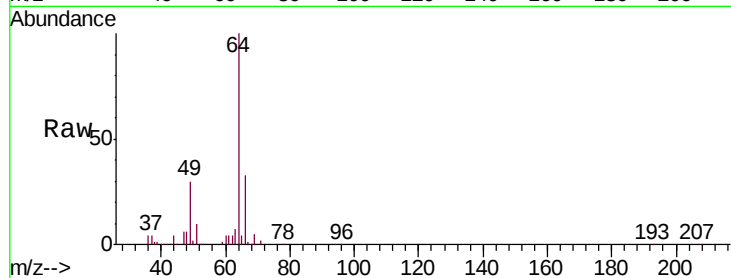
VSTD05056

Tgt Ion: 64 Resp: 109937

Ion Ratio Lower Upper

64 100

66 33.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 48.872 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037332.D

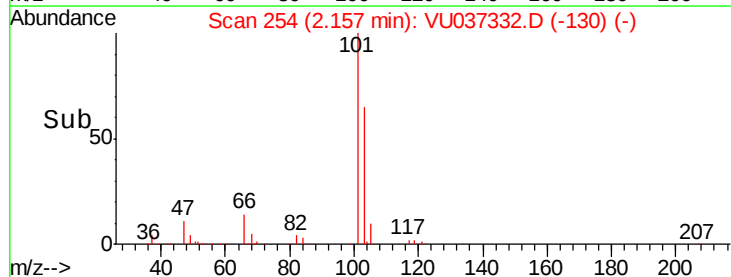
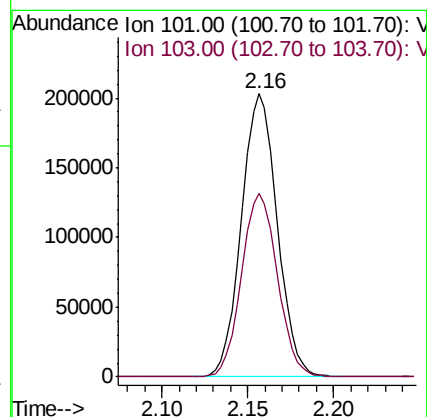
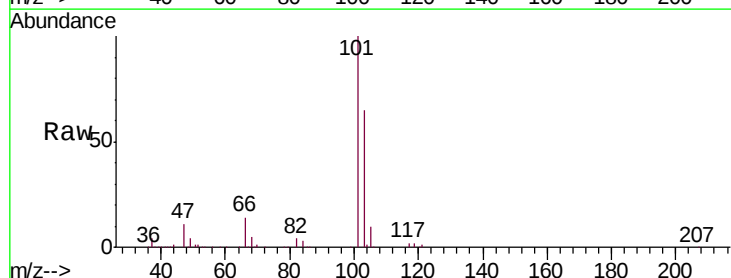
Acq: 17 Mar 2020 21:03

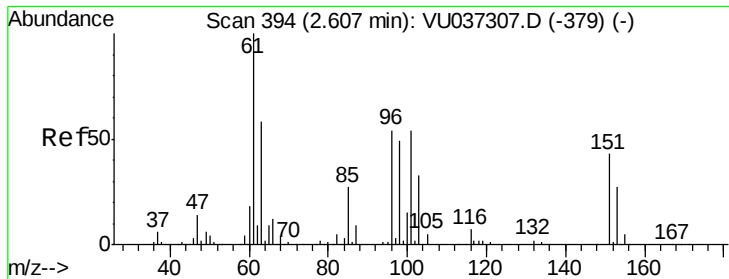
Tgt Ion: 101 Resp: 294708

Ion Ratio Lower Upper

101 100

103 64.8 51.1 76.7





#10

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

Concen: 48.114 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

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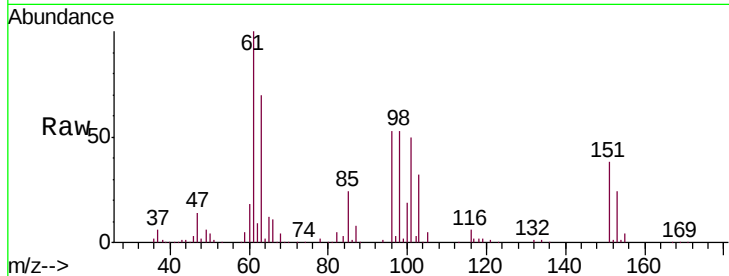
Tgt Ion: 101 Resp: 135502

Ion Ratio Lower Upper

101 100

85 46.6 37.8 56.6

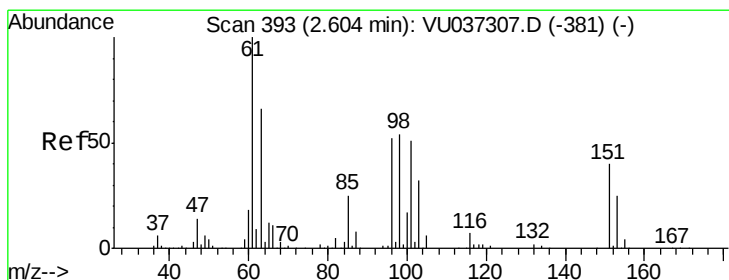
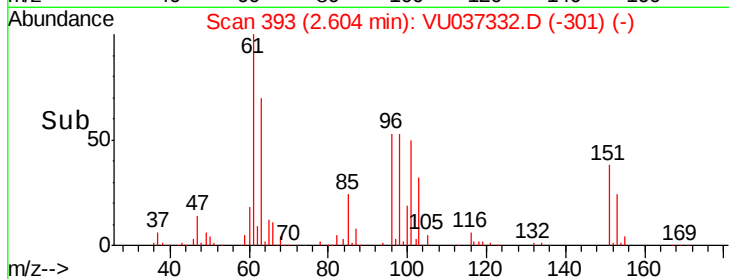
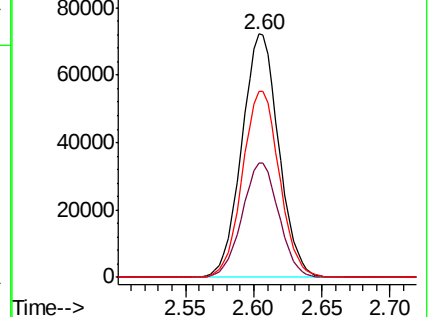
151 76.5 58.5 87.7



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: 48.461 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

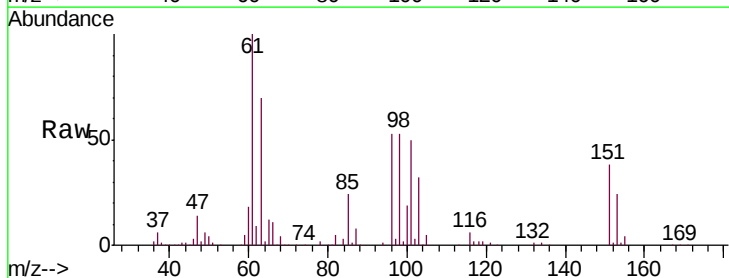
Tgt Ion: 96 Resp: 123324

Ion Ratio Lower Upper

96 100

61 189.7 138.8 257.8

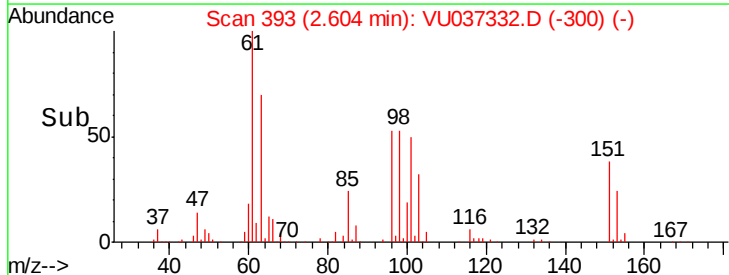
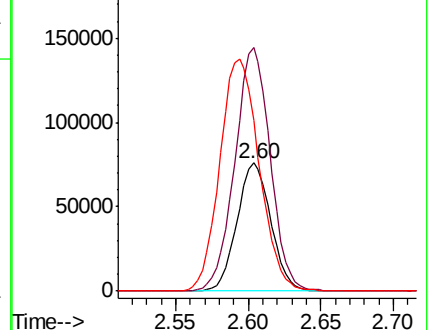
63 132.6 106.4 197.6

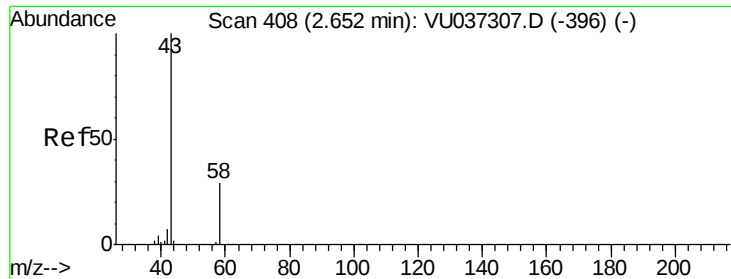


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

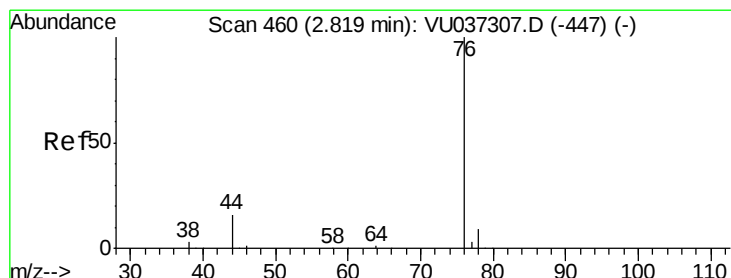
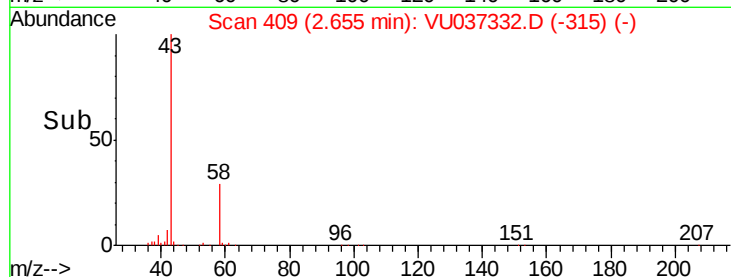
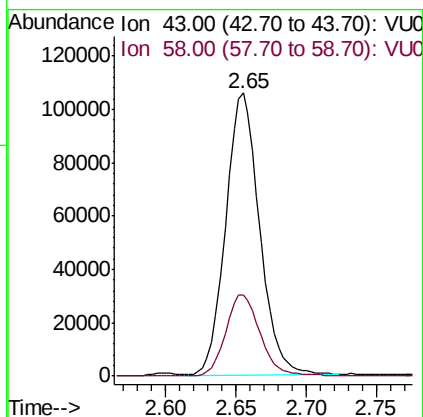
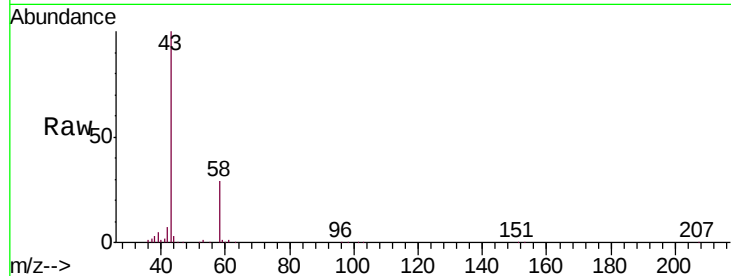




#13
Acetone
Concen: 70.795 ug/L
RT: 2.65 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

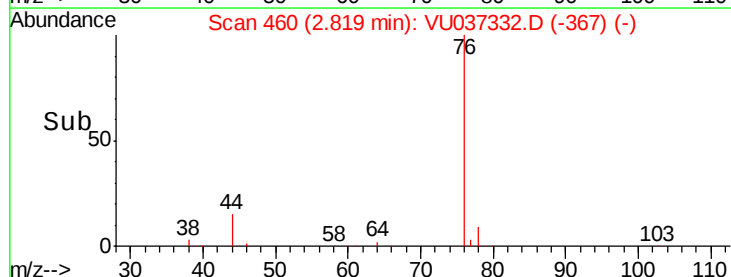
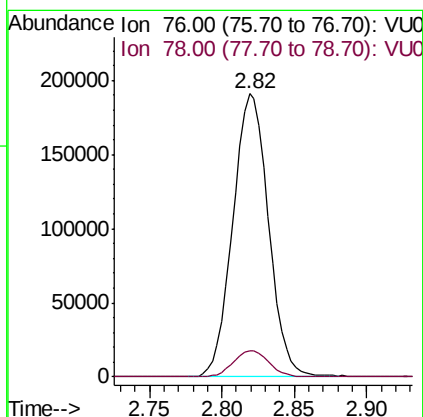
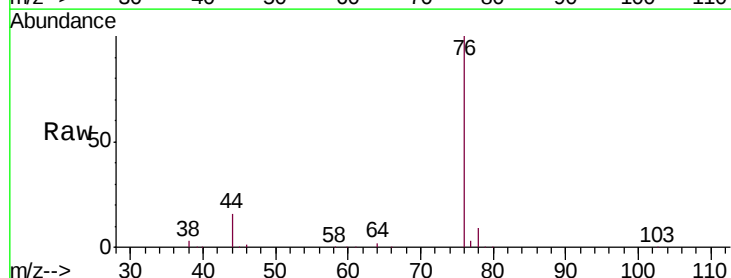
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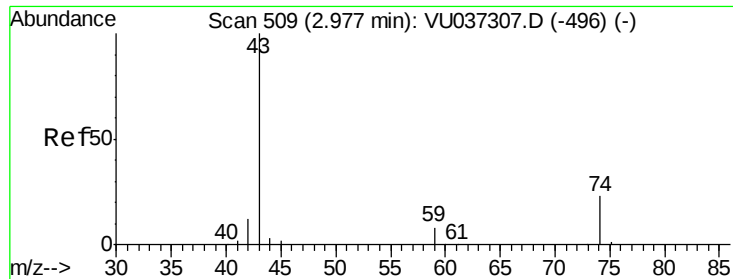
Tgt Ion: 43 Resp: 177396
Ion Ratio Lower Upper
43 100
58 29.7 0.0 57.2



#14
Carbon disulfide
Concen: 45.316 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion: 76 Resp: 326948
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

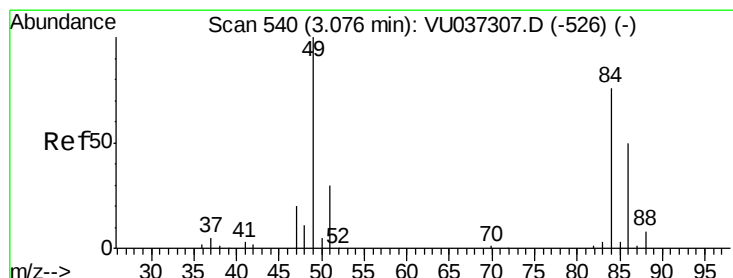
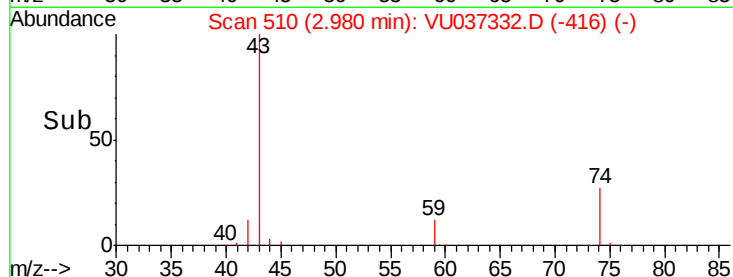
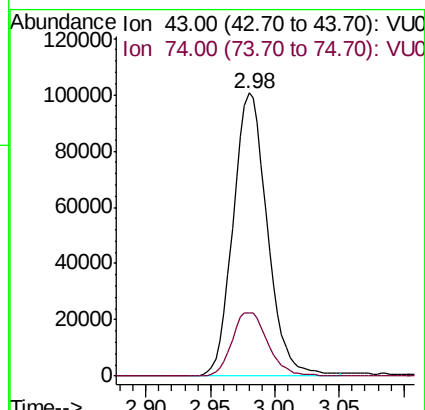
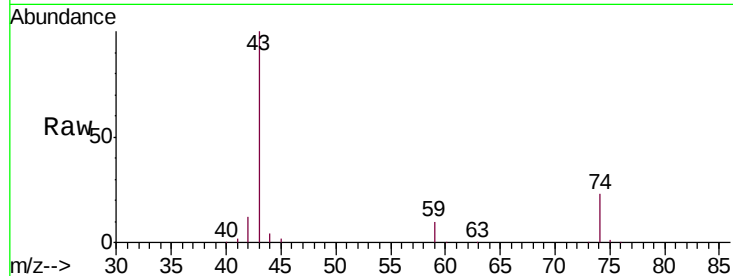




#15
Methyl Acetate
Concen: 47.032 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

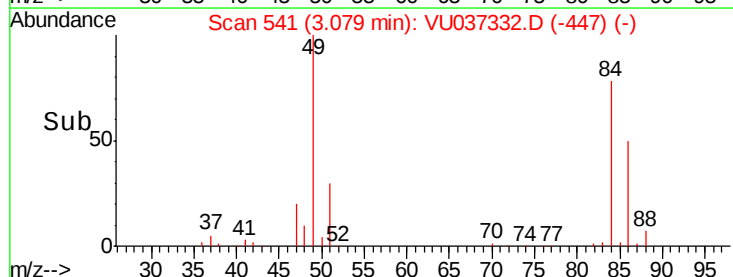
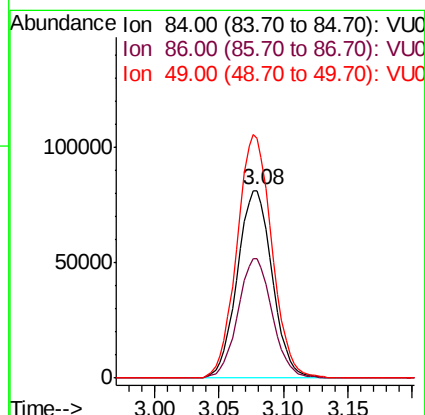
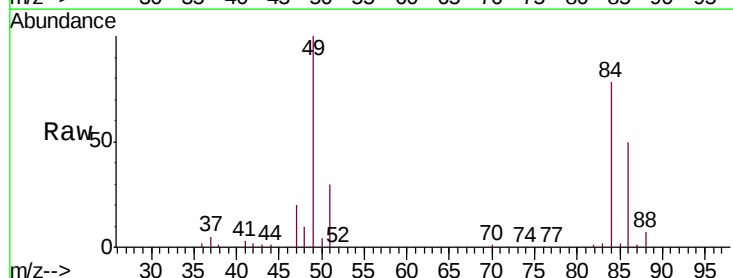
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

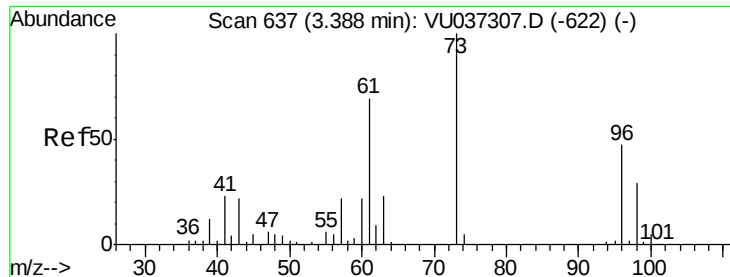
Tgt Ion: 43 Resp: 185362
Ion Ratio Lower Upper
43 100
74 23.7 17.4 26.0



#16
Methylene chloride
Concen: 48.257 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion: 84 Resp: 153281
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 128.1 98.6 183.2





#17

trans-1,2-Dichloroethene

Concen: 49.167 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampled :

VSTD05056

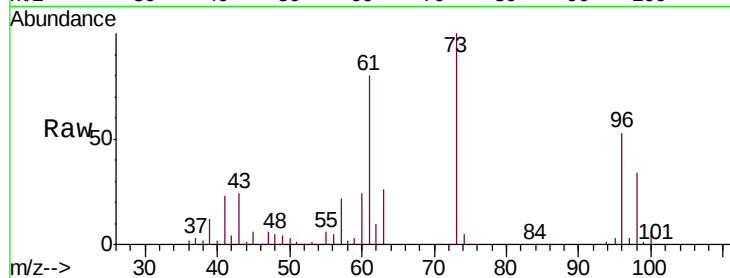
Tgt Ion: 96 Resp: 131089

Ion Ratio Lower Upper

96 100

61 151.3 112.3 208.5

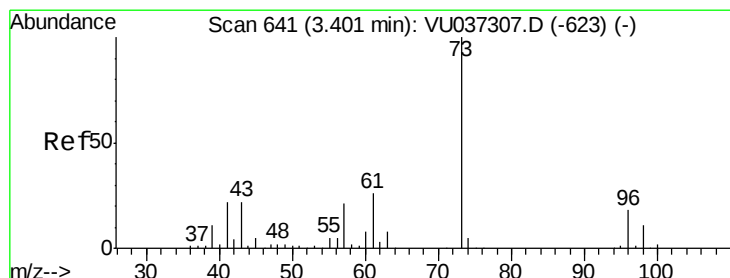
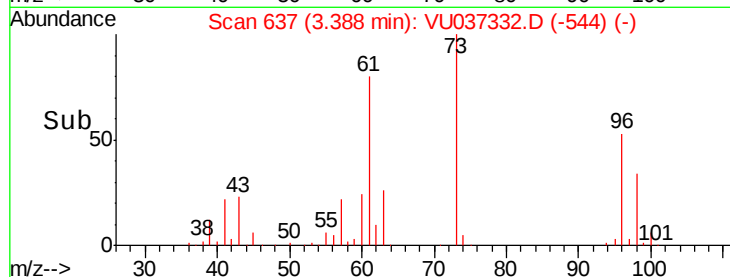
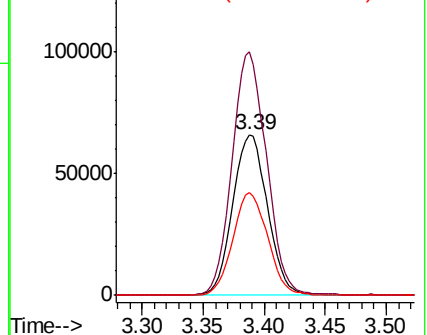
98 63.8 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 48.456 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

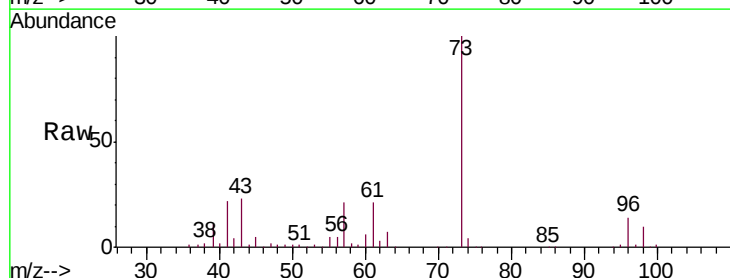
Tgt Ion: 73 Resp: 498911

Ion Ratio Lower Upper

73 100

43 22.5 18.5 27.7

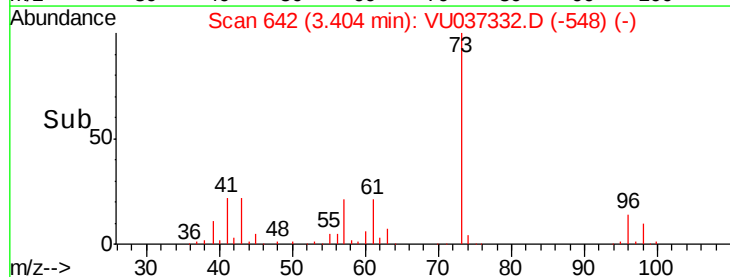
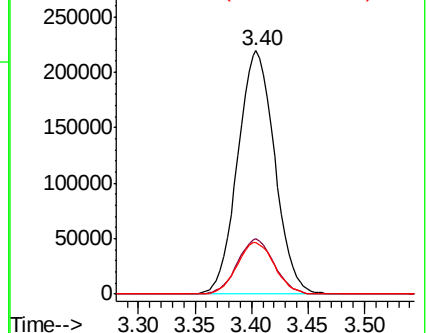
57 21.6 17.7 26.5

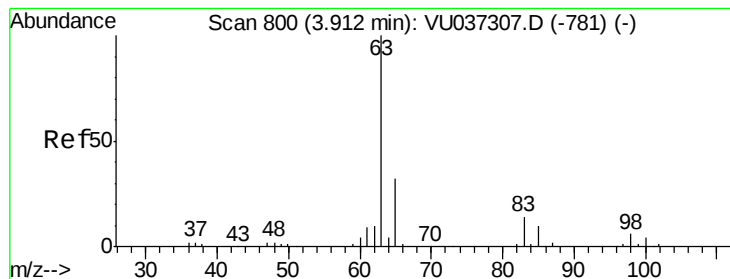


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 47.629 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

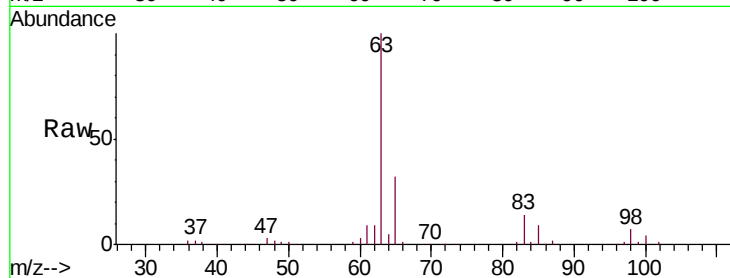
Tgt Ion: 63 Resp: 284149

Ion Ratio Lower Upper

63 100

65 31.9 20.8 38.6

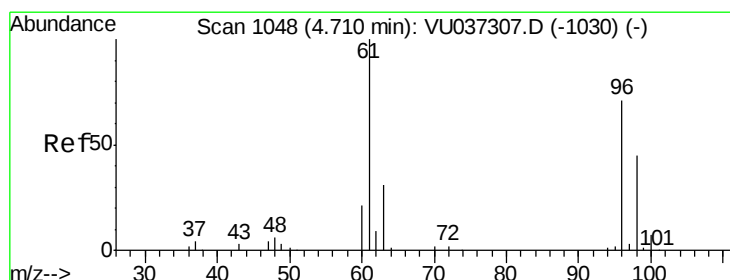
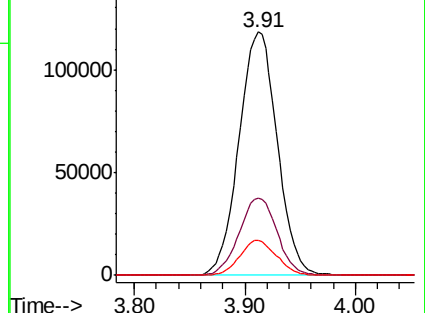
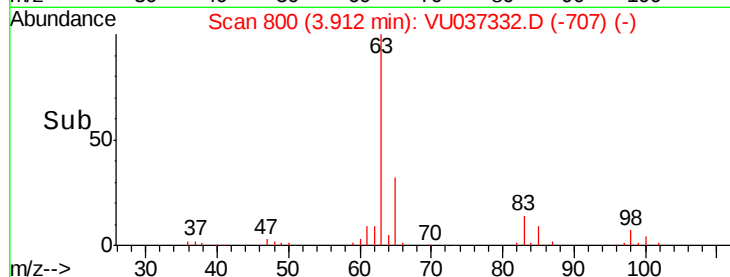
83 14.5 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU037332.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU037332.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU037332.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.153 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

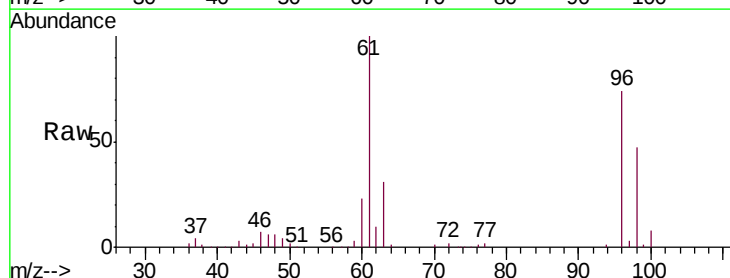
Tgt Ion: 96 Resp: 158514

Ion Ratio Lower Upper

96 100

61 134.5 101.2 187.8

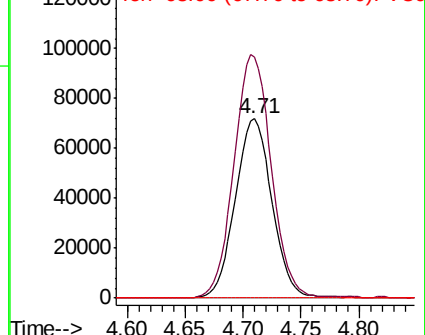
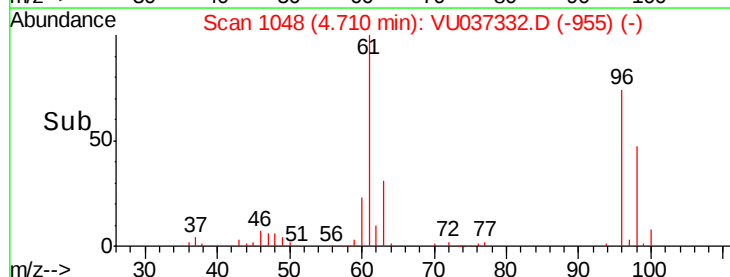
68 0.0 0.0 0.0

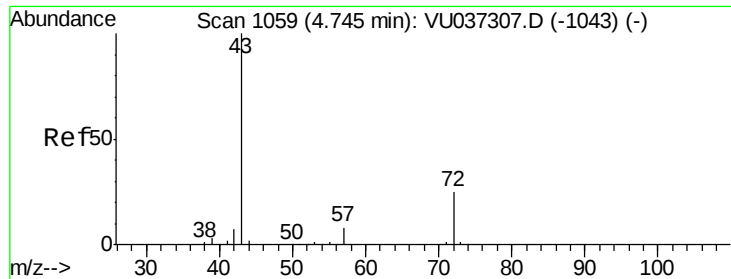


Abundance Ion 96.00 (95.70 to 96.70): VU037332.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037332.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU037332.D (-955) (-)

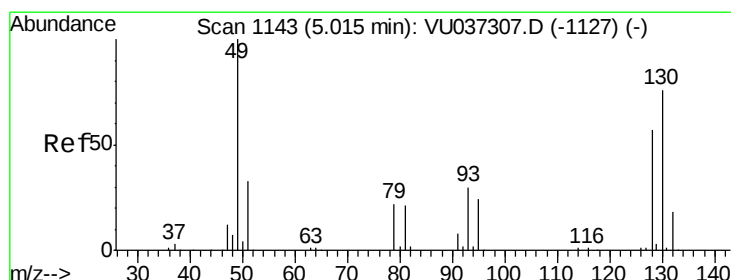
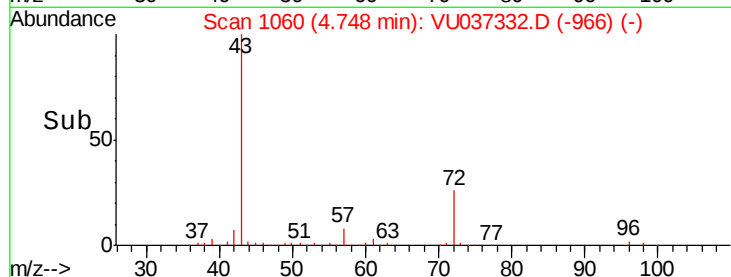
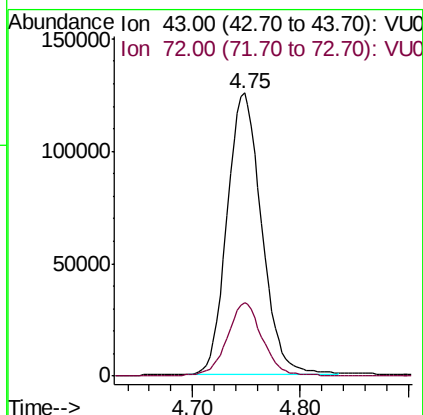
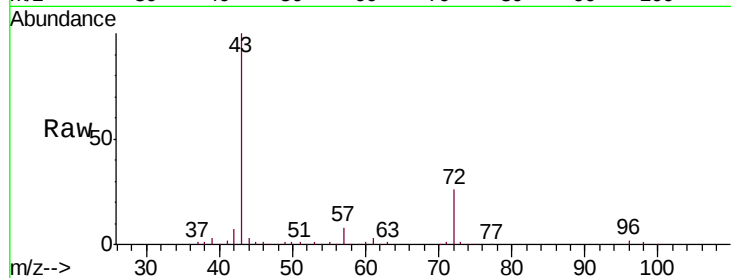




#22
2-Butanone
Concen: 88.636 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

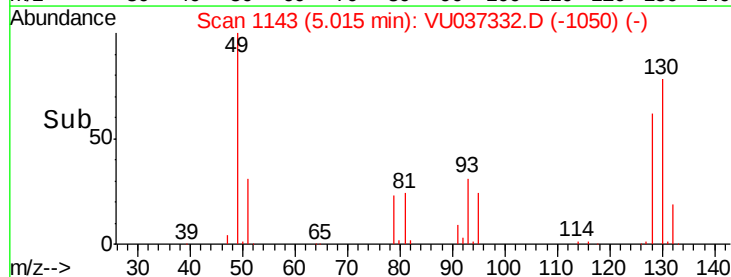
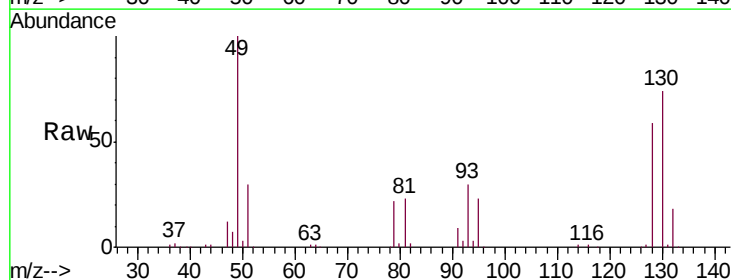
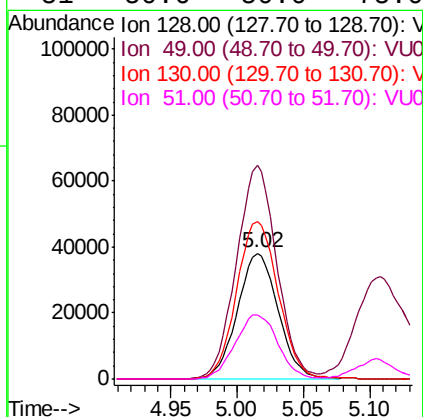
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

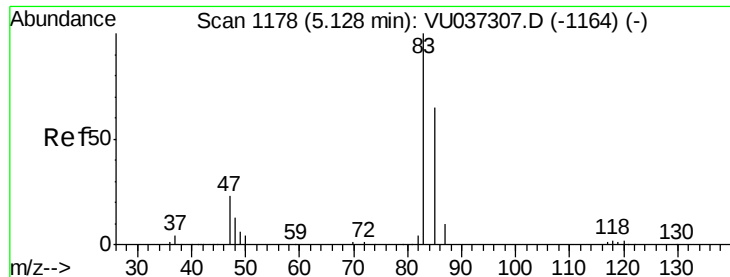
Tgt Ion: 43 Resp: 280910
Ion Ratio Lower Upper
43 100
72 26.5 12.3 36.9



#23
Bromochloromethane
Concen: 50.116 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion: 128 Resp: 81502
Ion Ratio Lower Upper
128 100
49 170.3 128.4 238.5
130 125.8 90.6 168.2
51 50.6 50.0 75.0

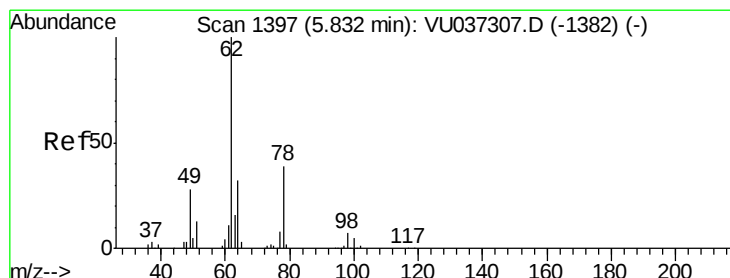
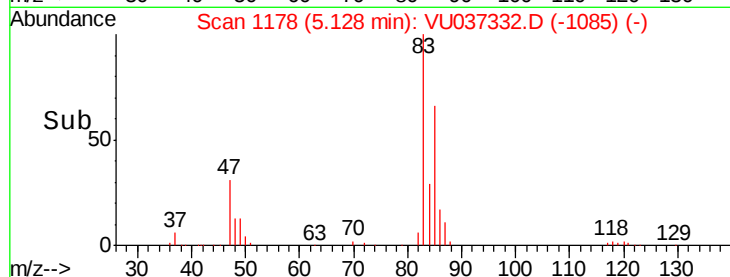
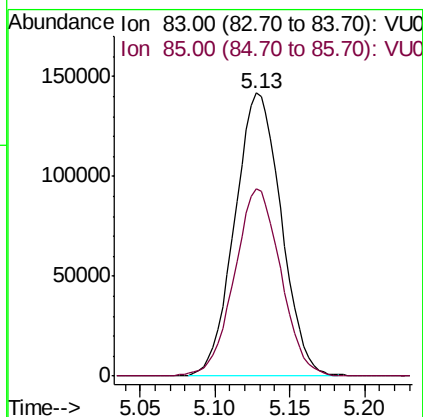
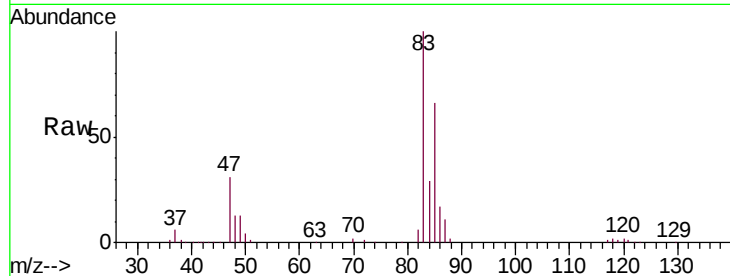




#25
Chloroform
Concen: 47.506 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

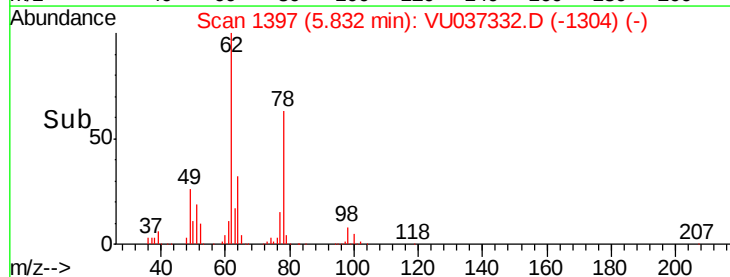
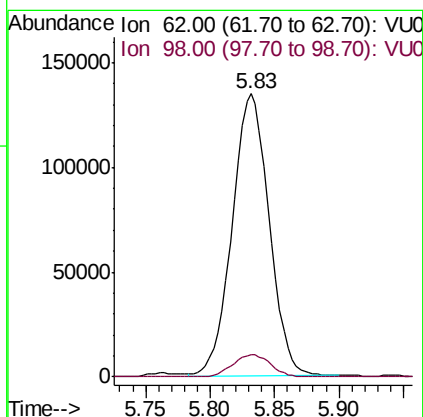
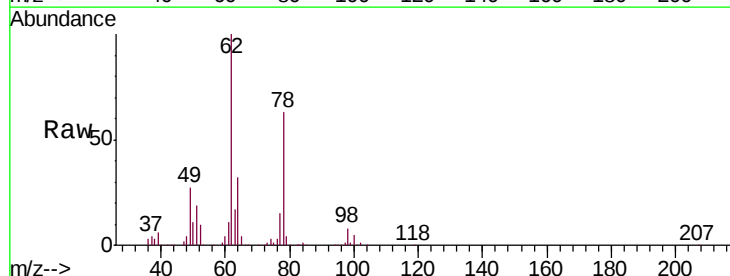
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

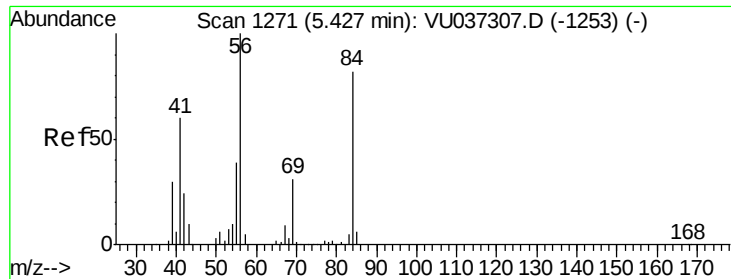
Tgt Ion: 83 Resp: 306469
Ion Ratio Lower Upper
83 100
85 66.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.651 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion: 62 Resp: 268153
Ion Ratio Lower Upper
62 100
98 8.0 5.6 8.4

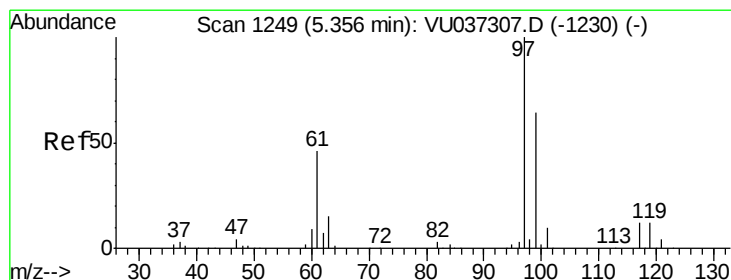
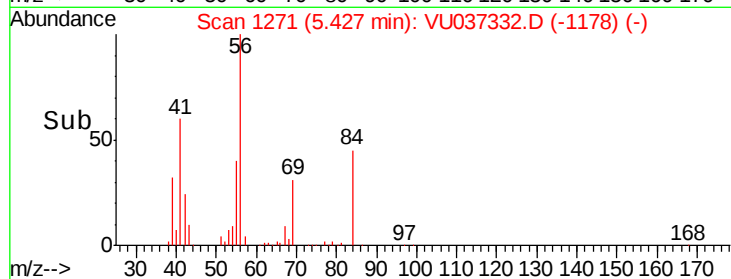
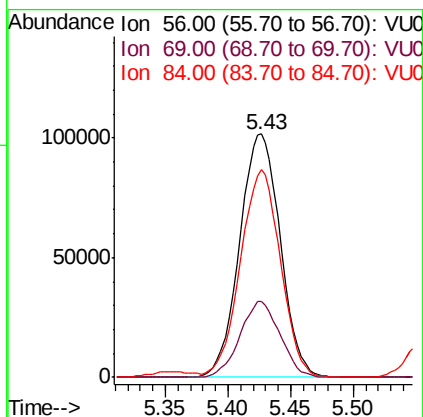
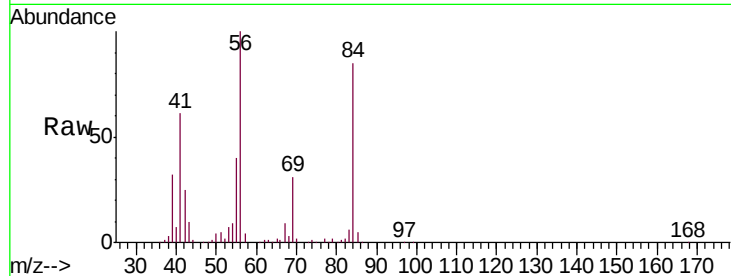




#29
Cyclohexane
Concen: 45.024 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

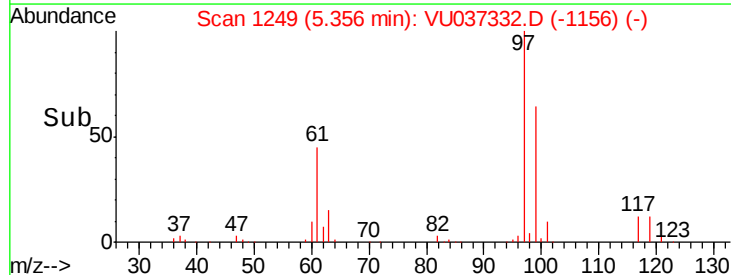
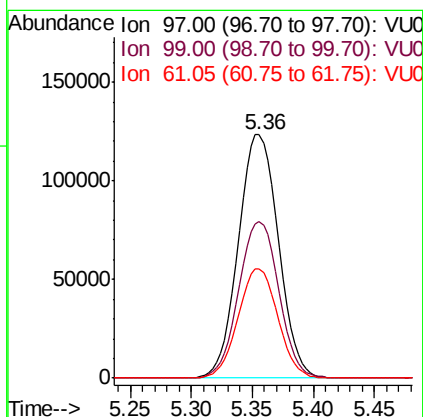
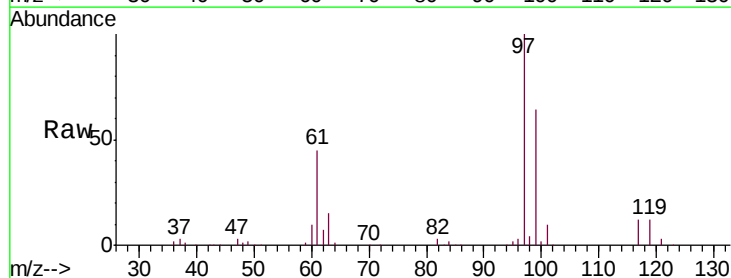
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

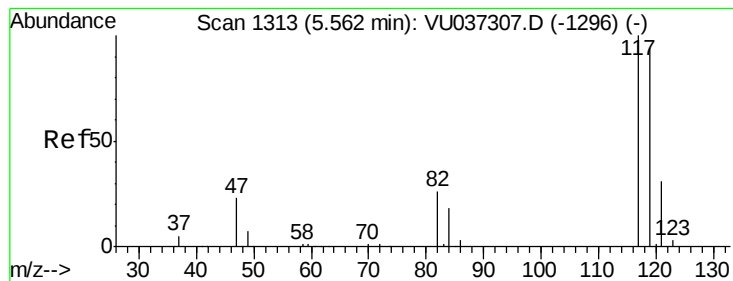
Tgt Ion: 56 Resp: 228988
Ion Ratio Lower Upper
56 100
69 30.7 23.9 35.9
84 84.0 64.0 96.0



#30
1,1,1-Trichloroethane
Concen: 49.155 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion: 97 Resp: 280689
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 44.6 39.0 58.4





#31

Carbon tetrachloride

Concen: 49.132 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

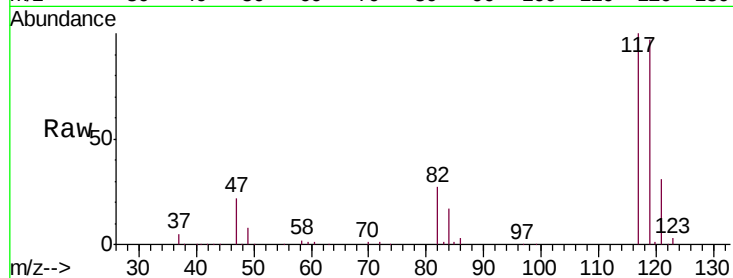
VSTD05056

Tgt Ion:117 Resp: 247894

Ion Ratio Lower Upper

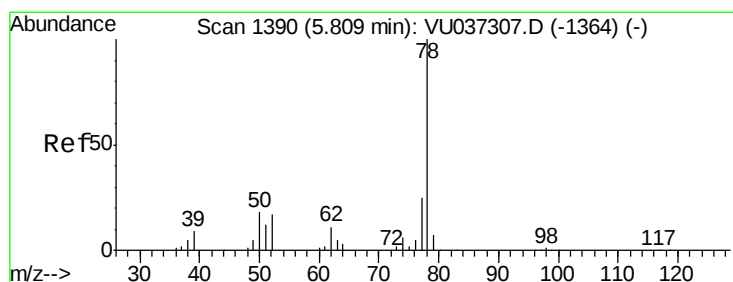
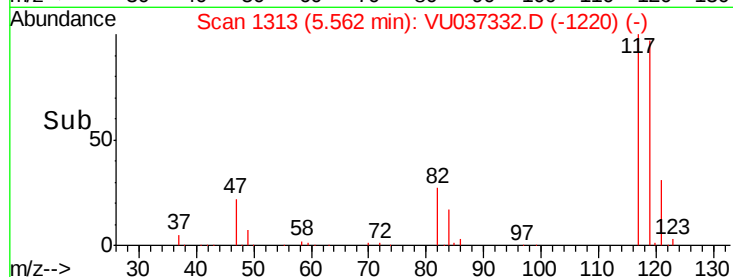
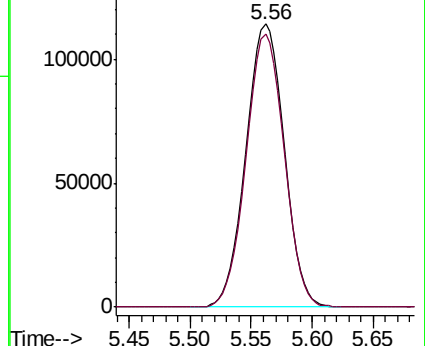
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.254 ug/L

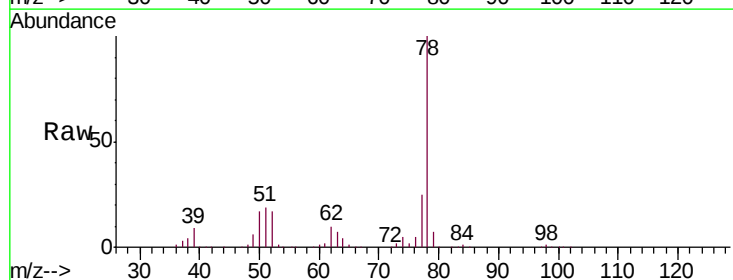
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

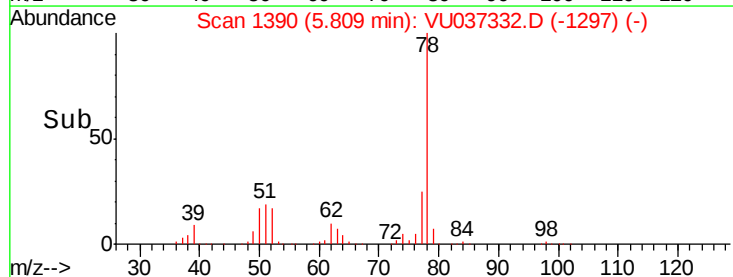
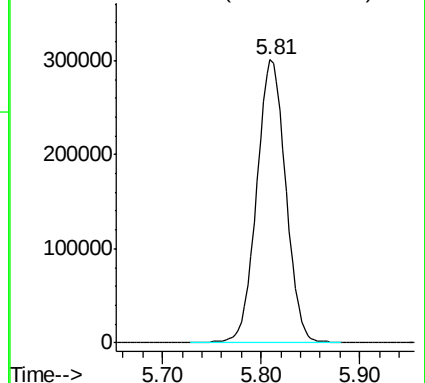
Lab File: VU037332.D

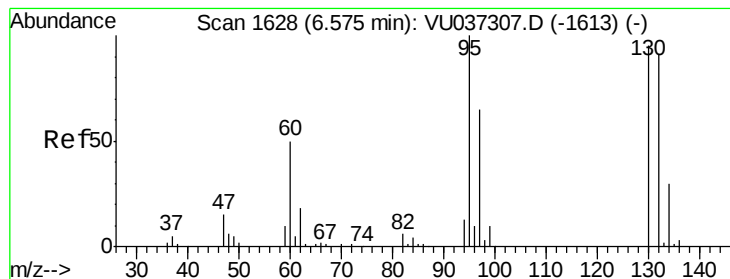
Acq: 17 Mar 2020 21:03

Tgt Ion: 78 Resp: 611884



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.596 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 160128

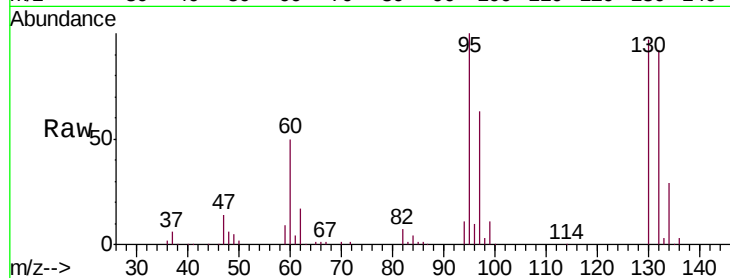
Ion Ratio Lower Upper

95 100

97 62.5 43.8 81.4

132 92.3 62.6 116.3

130 97.0 64.8 120.4

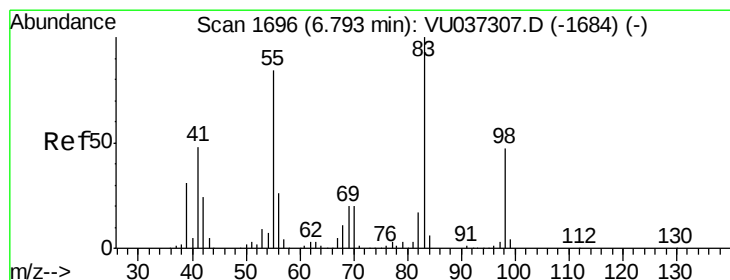
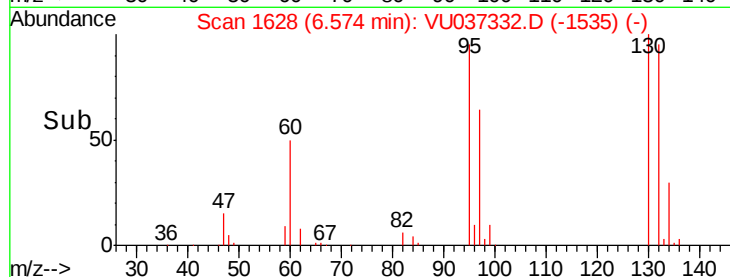
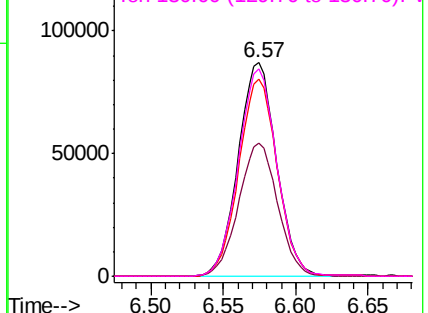


Abundance Ion 95.00 (94.70 to 95.70): VU037307.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU037307.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU037307.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU037307.D (-1613) (-)



#35

Methylcyclohexane

Concen: 46.528 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

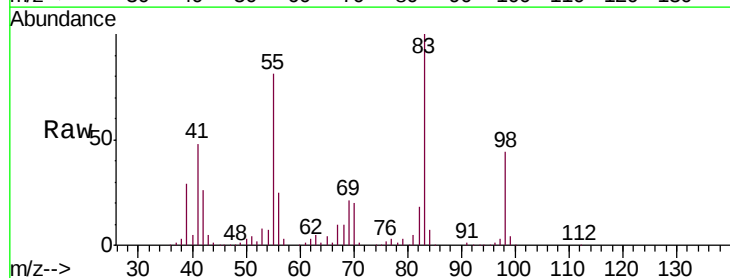
Tgt Ion: 83 Resp: 232115

Ion Ratio Lower Upper

83 100

55 80.4 68.2 102.2

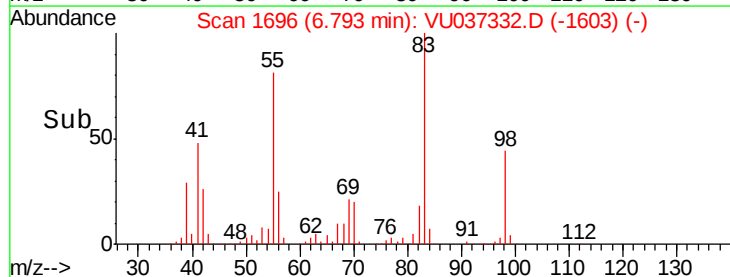
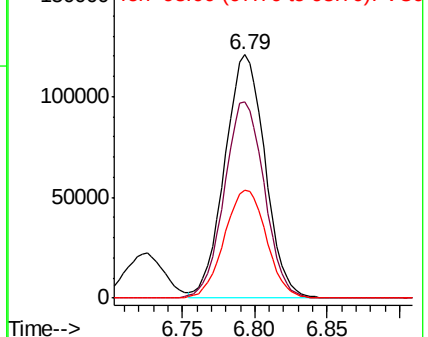
98 46.6 36.4 54.6

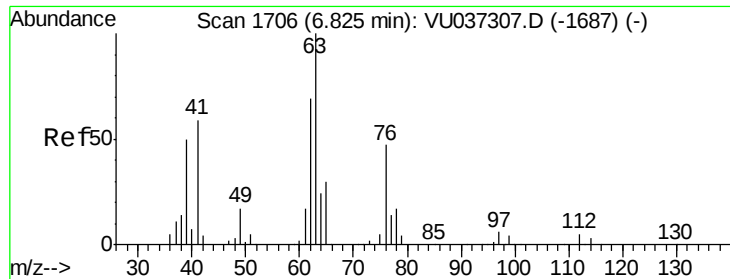


Abundance Ion 83.00 (82.70 to 83.70): VU037307.D (-1684) (-)

Ion 55.00 (54.70 to 55.70): VU037307.D (-1684) (-)

Ion 98.00 (97.70 to 98.70): VU037307.D (-1684) (-)

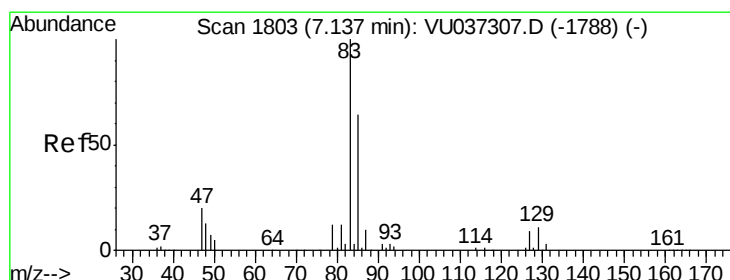
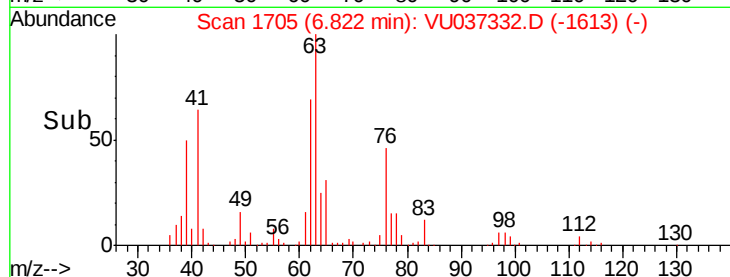
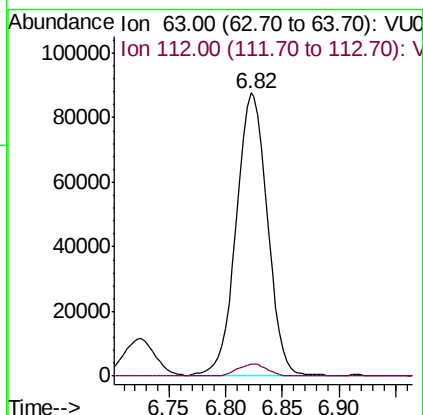
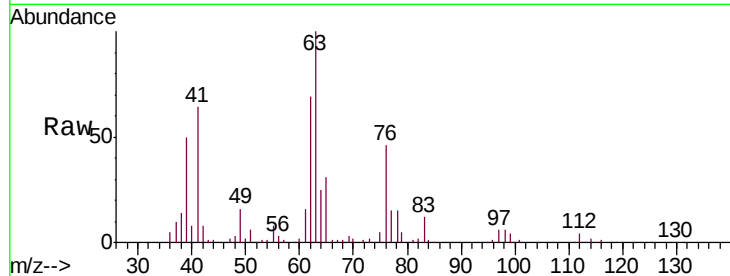




#37
 1,2-Dichloropropane
 Concen: 46.872 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

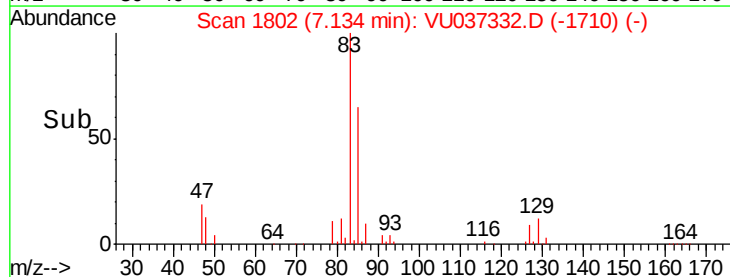
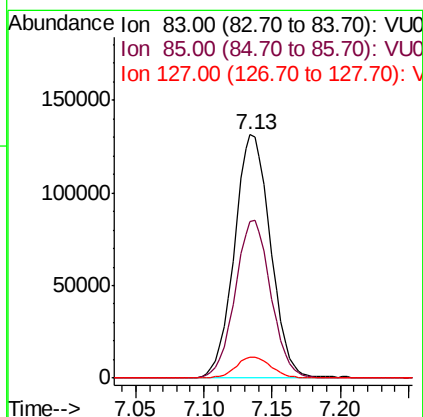
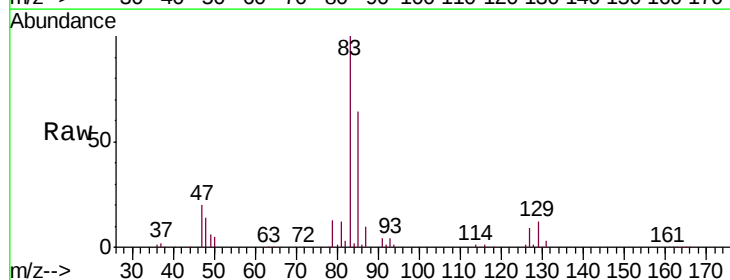
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

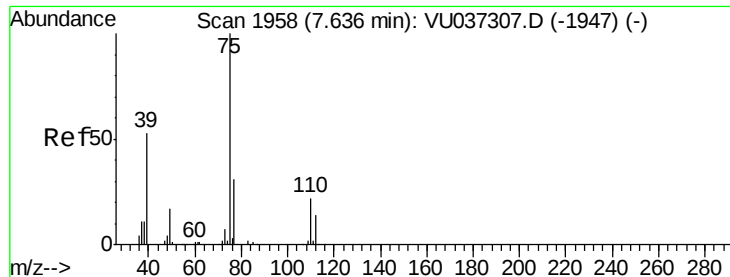
Tgt Ion: 63 Resp: 168946
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.900 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion: 83 Resp: 241379
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.7 84.9
 127 8.8 6.7 10.1

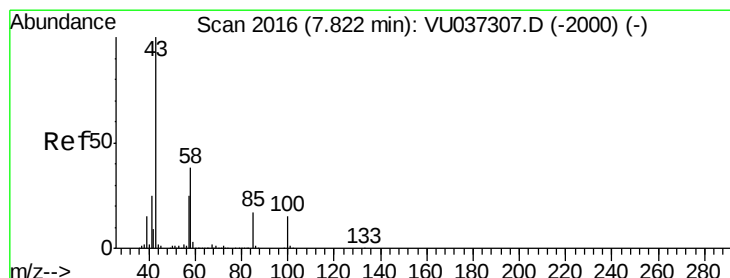
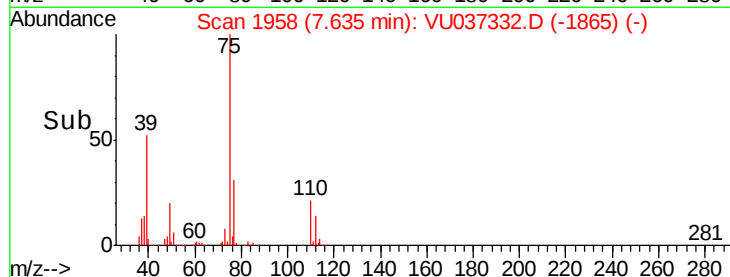
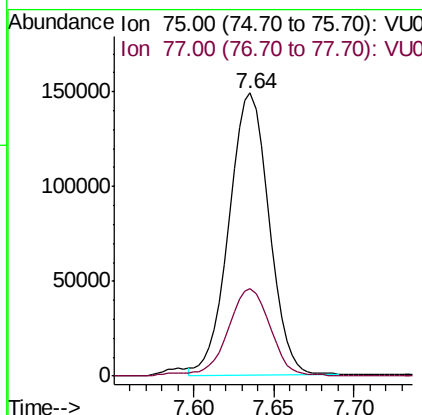
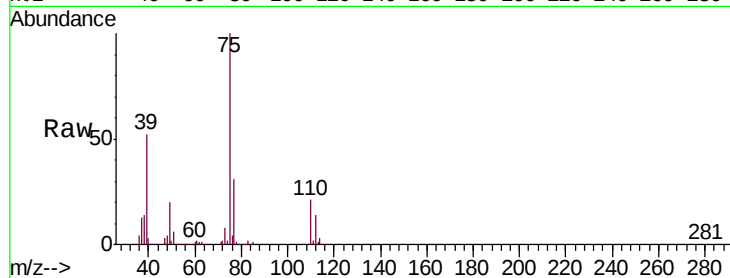




#39
 cis-1,3-Dichloropropene
 Concen: 45.365 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

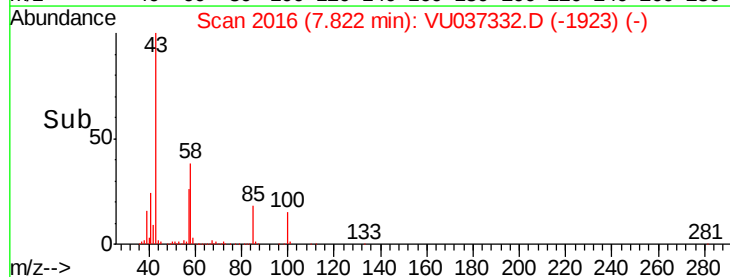
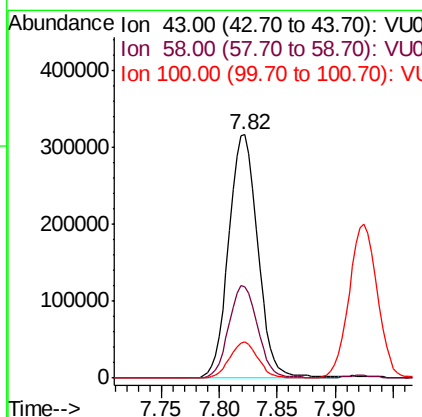
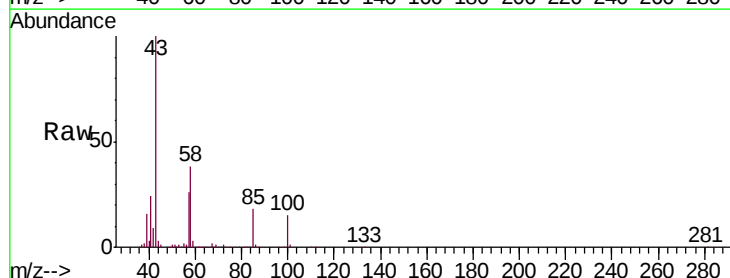
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

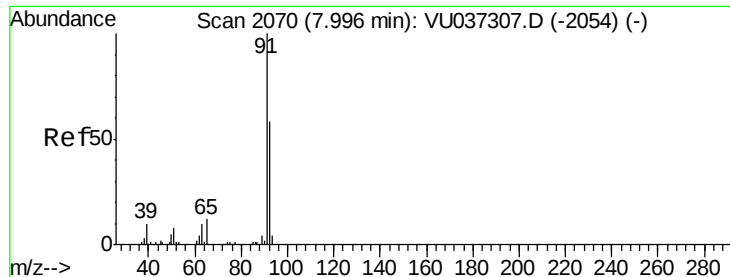
Tgt Ion: 75 Resp: 253535
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 94.234 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion: 43 Resp: 552915
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.3 43.9
 100 14.4 10.3 15.5





#42

Toluene

Concen: 49.425 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

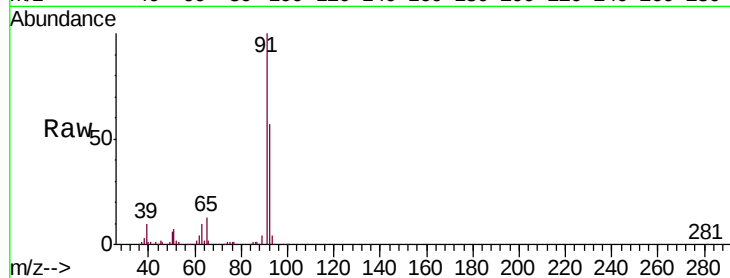
VSTD05056

Tgt Ion: 91 Resp: 684407

Ion Ratio Lower Upper

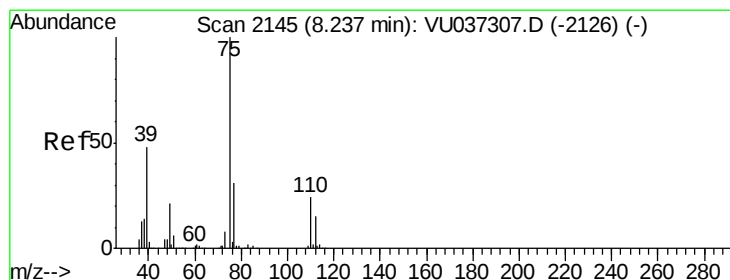
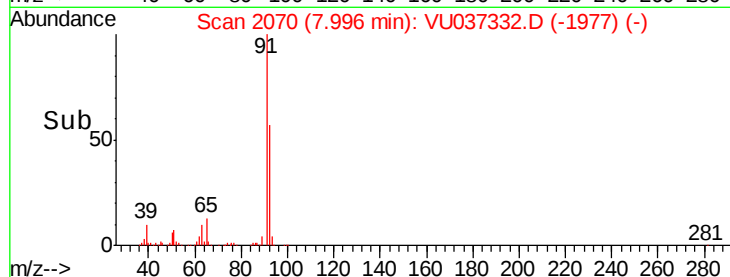
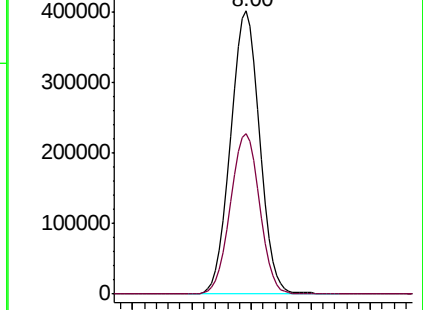
91 100

92 56.9 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VU037332.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VU037332.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 46.735 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037332.D

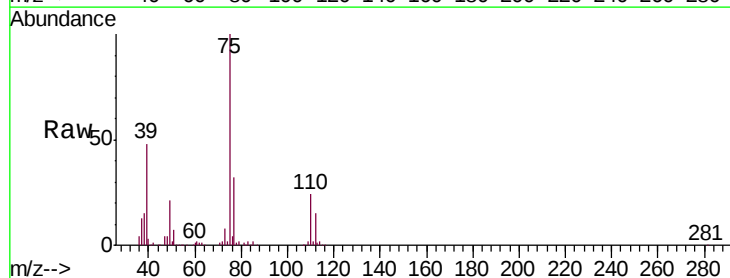
Acq: 17 Mar 2020 21:03

Tgt Ion: 75 Resp: 246611

Ion Ratio Lower Upper

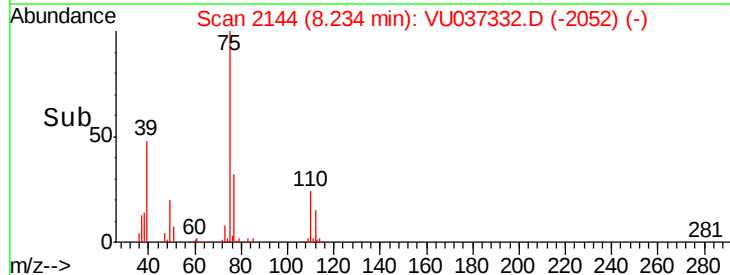
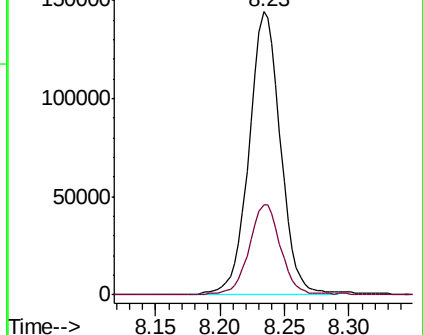
75 100

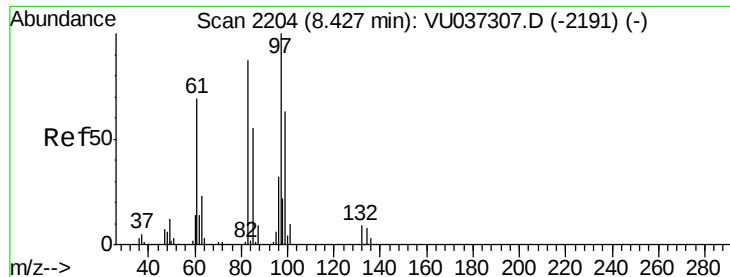
77 32.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037332.D (-2052) (-)

Ion 77.00 (76.70 to 77.70): VU037332.D (-2052) (-)

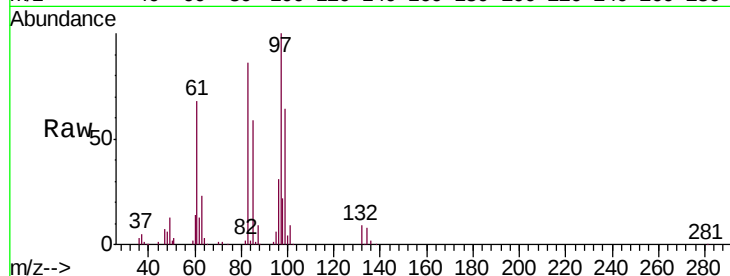




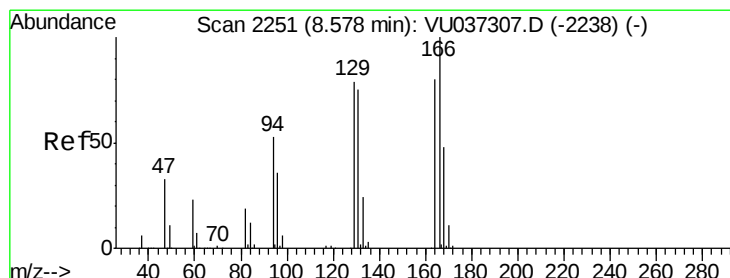
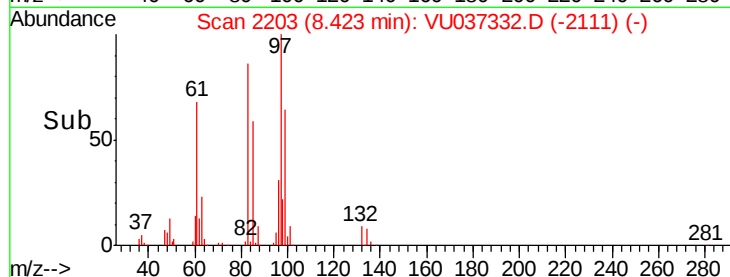
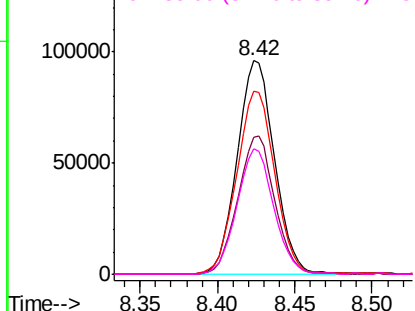
#45
 1,1,2-Trichloroethane
 Concen: 49.102 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05056

Tgt Ion:	97	Resp:	161151
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.5	80.9
83	85.9	62.4	116.0
85	58.6	41.9	77.7

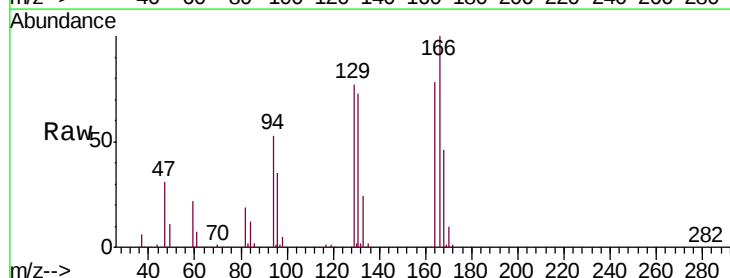


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

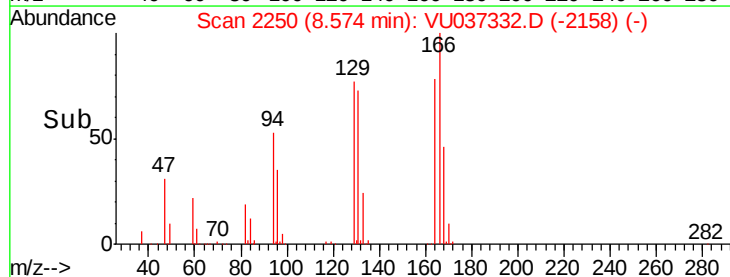
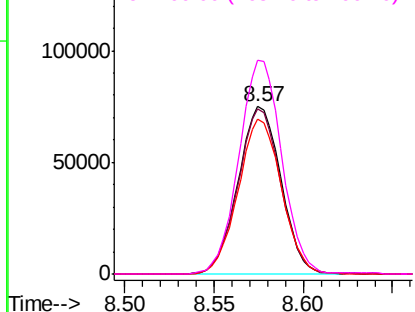


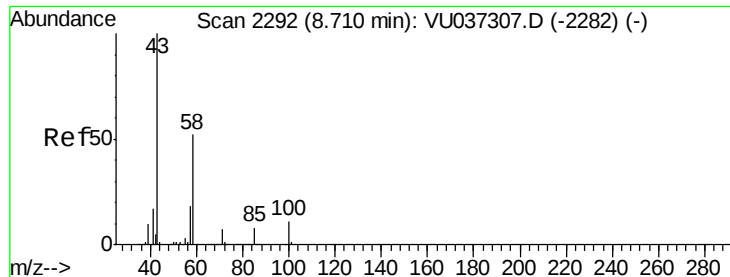
#46
 Tetrachloroethene
 Concen: 51.520 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion:	164	Resp:	126122
Ion	Ratio	Lower	Upper
164	100		
129	98.9	72.4	134.5
131	92.9	67.1	124.7
166	127.8	89.5	166.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

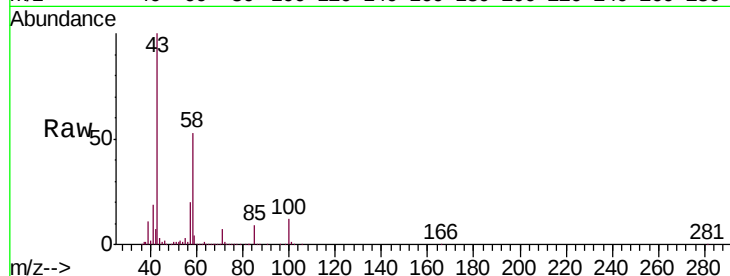




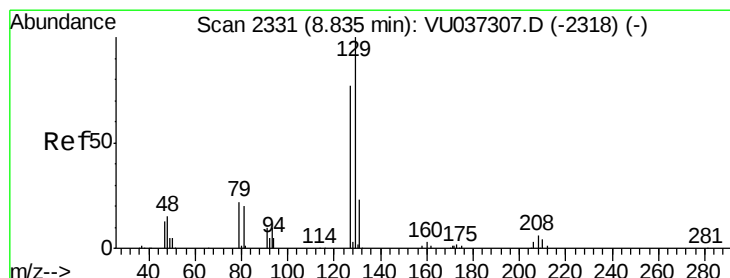
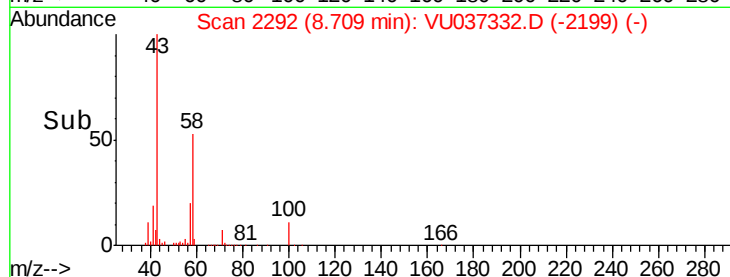
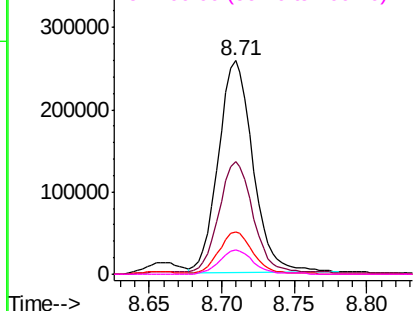
#48
2-Hexanone
Concen: 92.224 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion:	43	Resp:	426436
Ion	Ratio	Lower	Upper
43	100		
58	53.7	39.8	59.6
57	19.6	14.5	21.7
100	11.2	7.9	11.9

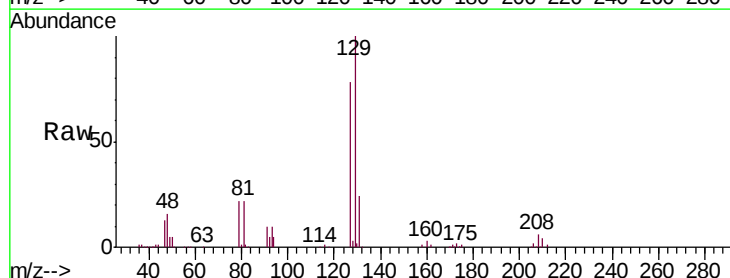


Abundance Ion 43.00 (42.70 to 43.70): VU037307.D (-2282) (-)
Ion 58.00 (57.70 to 58.70): VU037307.D (-2282) (-)
Ion 57.00 (56.70 to 57.70): VU037307.D (-2282) (-)
Ion 100.00 (99.70 to 100.70): VU037307.D (-2282) (-)

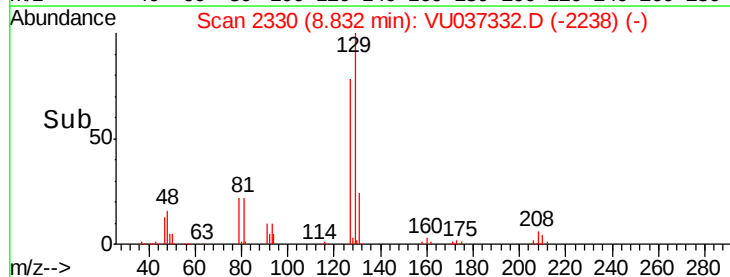
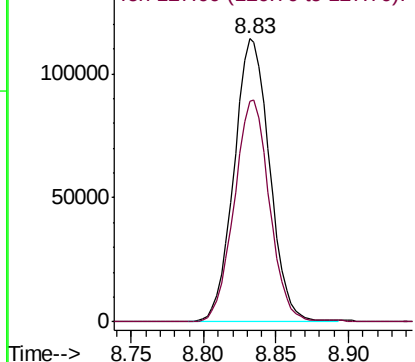


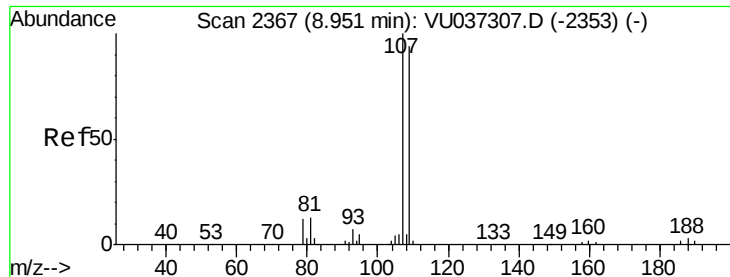
#49
Dibromochloromethane
Concen: 50.404 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion:	129	Resp:	194615
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VU037307.D (-2318) (-)
Ion 127.00 (126.70 to 127.70): VU037307.D (-2318) (-)

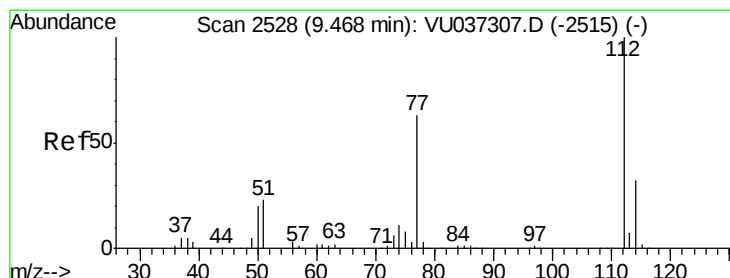
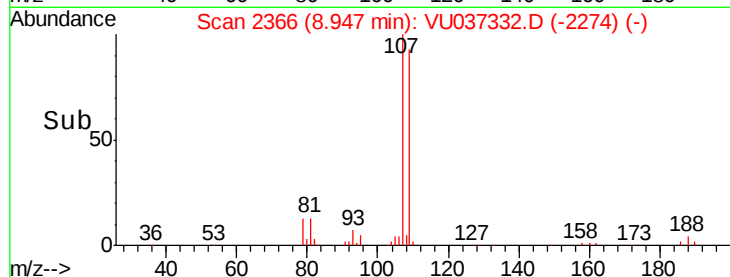
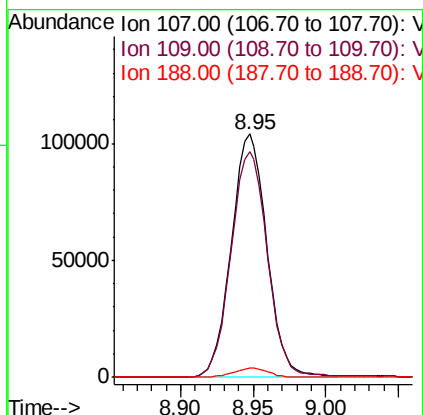
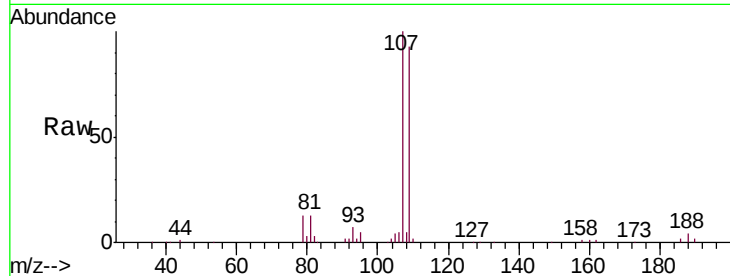




#50
1,2-Dibromoethane
Concen: 50.102 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

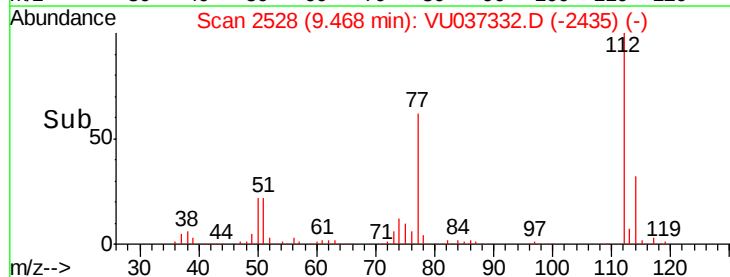
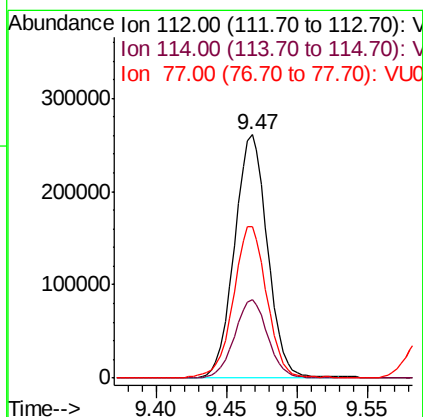
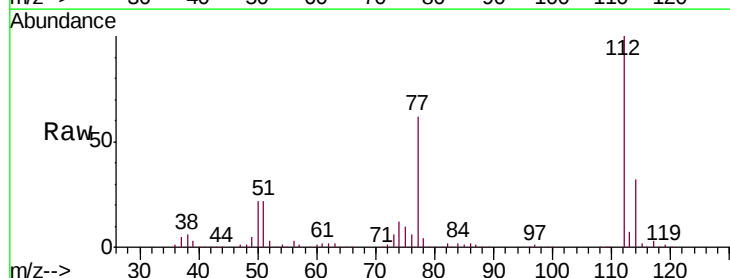
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

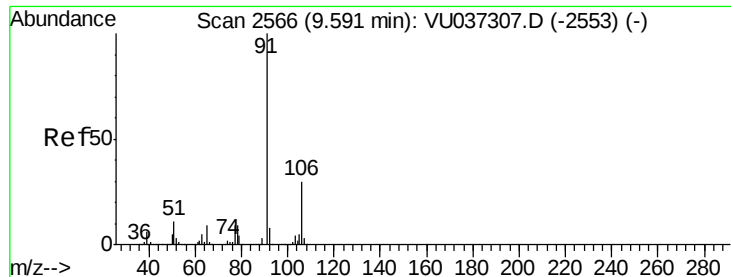
Tgt Ion:107 Resp: 177451
Ion Ratio Lower Upper
107 100
109 92.7 66.5 123.5
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 49.248 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion:112 Resp: 428876
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 62.4 51.0 76.4





#52

Ethylbenzene

Concen: 48.502 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampled :

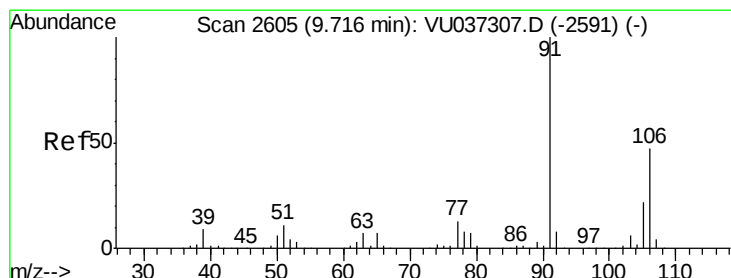
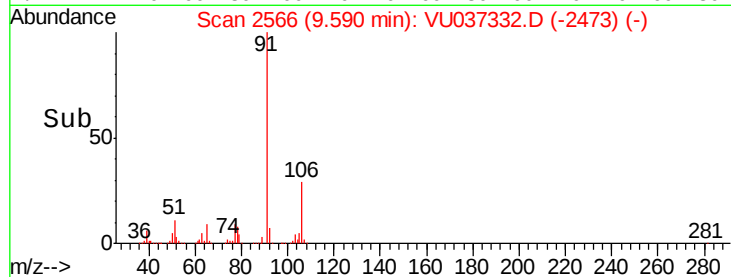
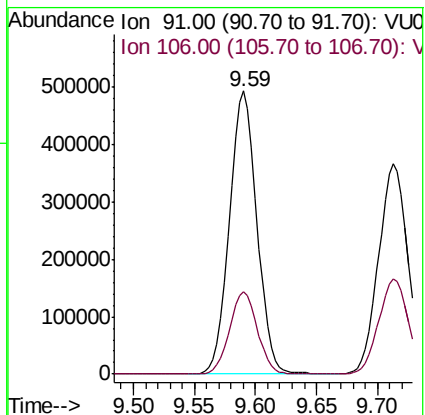
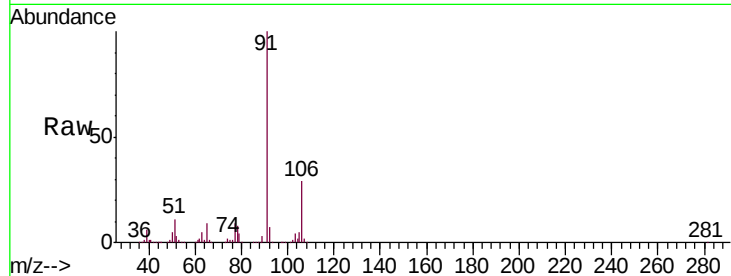
VSTD05056

Tgt Ion: 91 Resp: 777690

Ion Ratio Lower Upper

91 100

106 29.0 20.2 37.6



#53

m,p-Xylene

Concen: 49.321 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037332.D

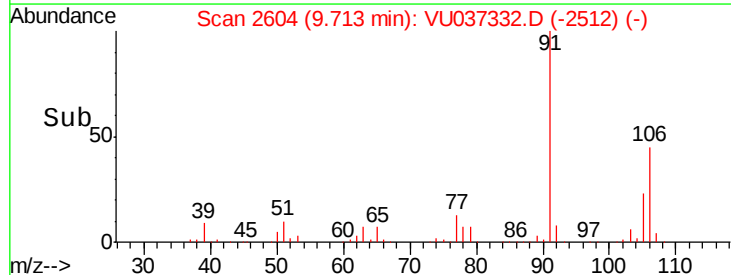
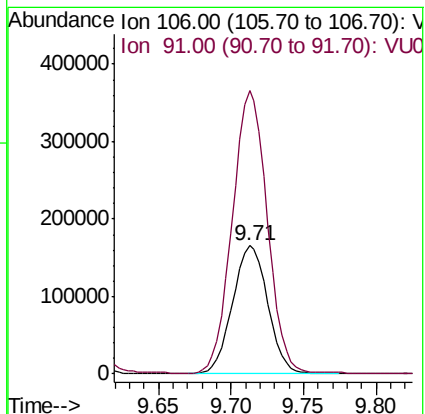
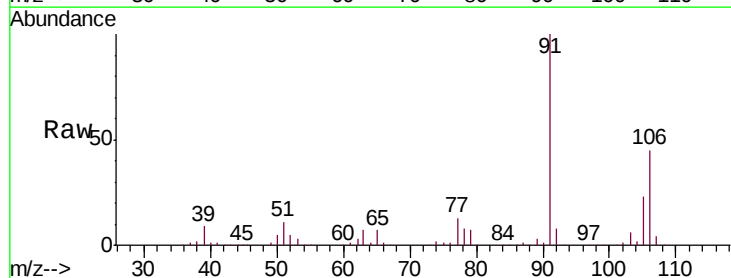
Acq: 17 Mar 2020 21:03

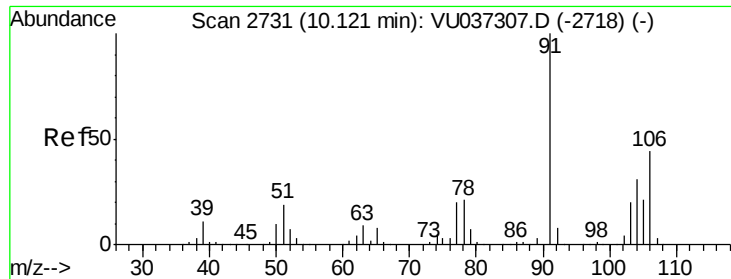
Tgt Ion: 106 Resp: 279707

Ion Ratio Lower Upper

106 100

91 220.7 154.0 286.0

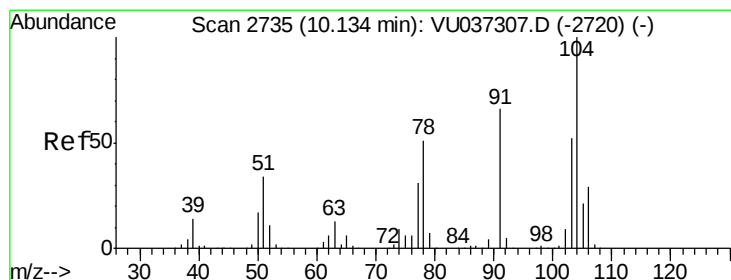
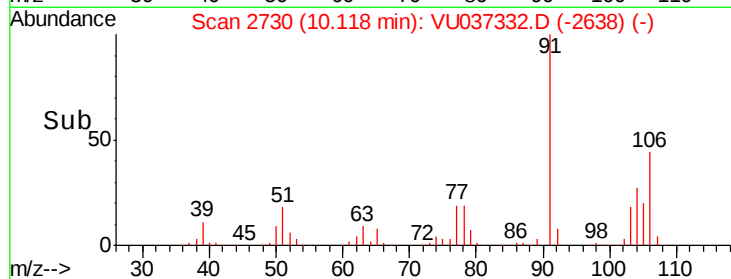
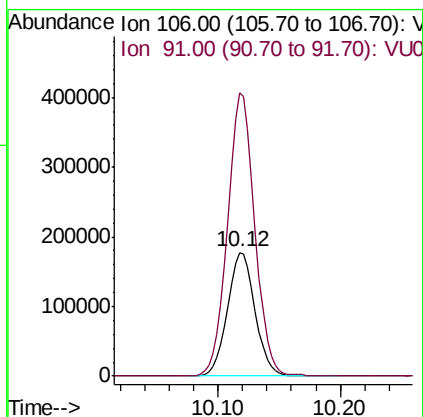
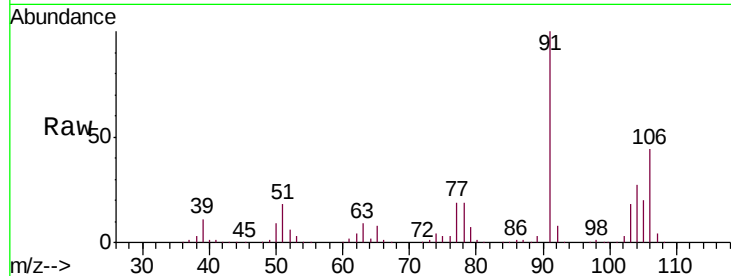




#54
o-xylene
Concen: 50.248 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

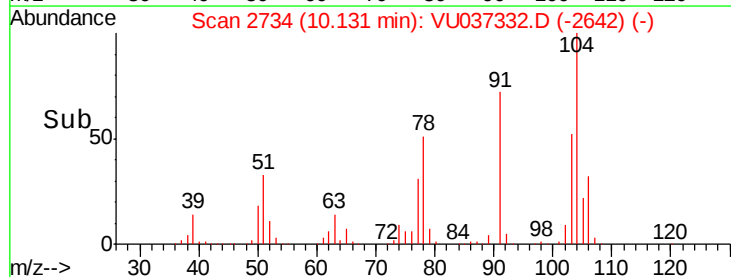
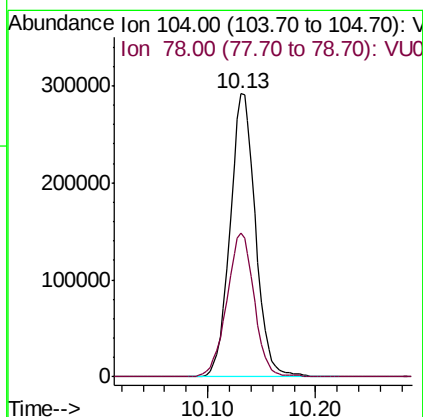
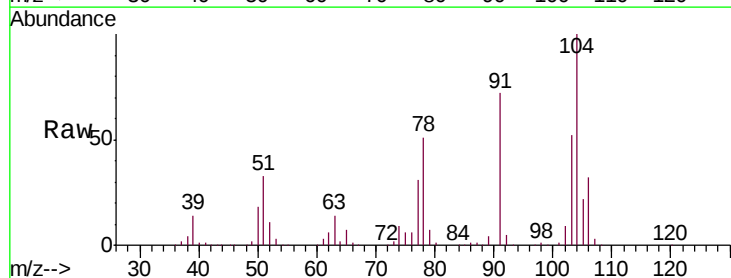
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

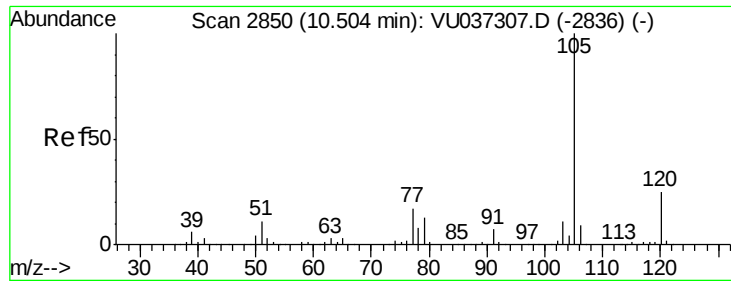
Tgt Ion:106 Resp: 281542
Ion Ratio Lower Upper
106 100
91 228.3 167.6 311.2



#55
Styrene
Concen: 50.535 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037332.D
Acq: 17 Mar 2020 21:03

Tgt Ion:104 Resp: 480173
Ion Ratio Lower Upper
104 100
78 50.7 37.4 69.4





#56

Isopropylbenzene

Concen: 48.943 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

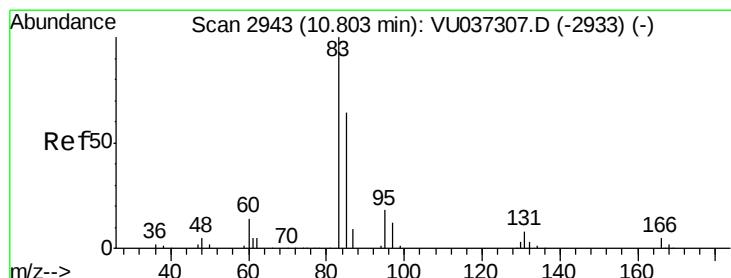
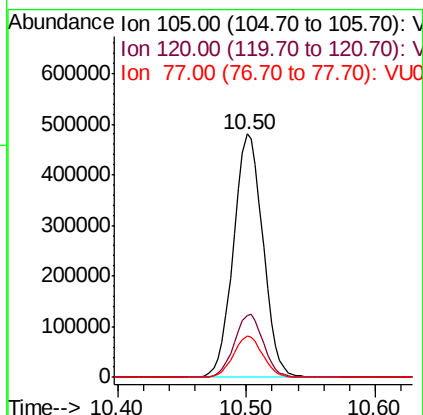
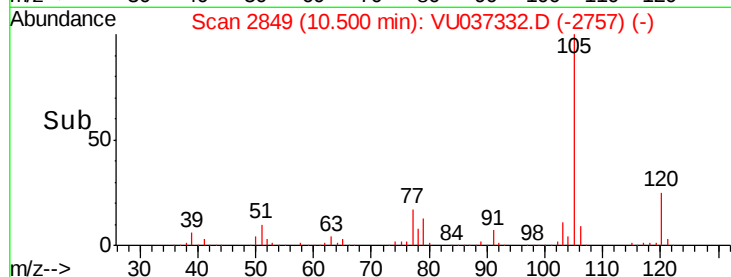
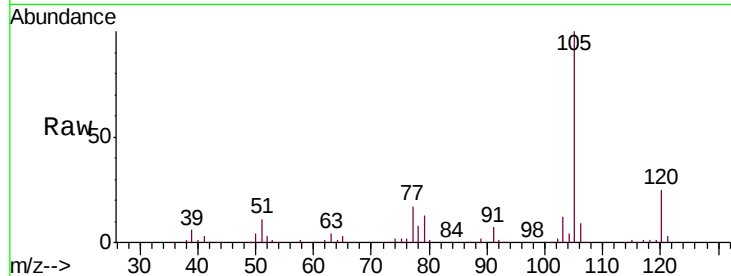
Tgt Ion: 105 Resp: 762221

Ion Ratio Lower Upper

105 100

120 25.5 19.9 29.9

77 16.8 14.1 21.1



#58

1,1,2,2-Tetrachloroethane

Concen: 49.295 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

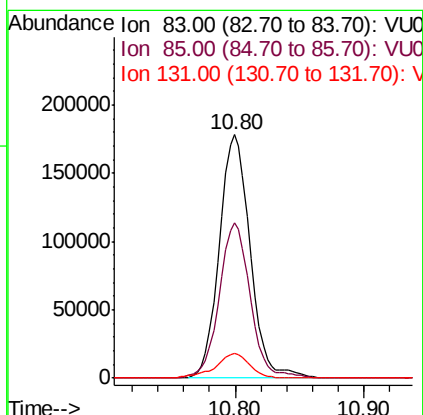
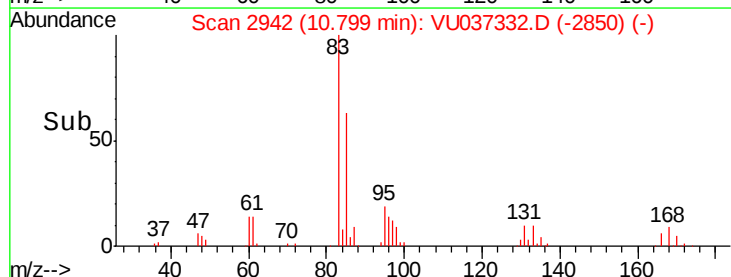
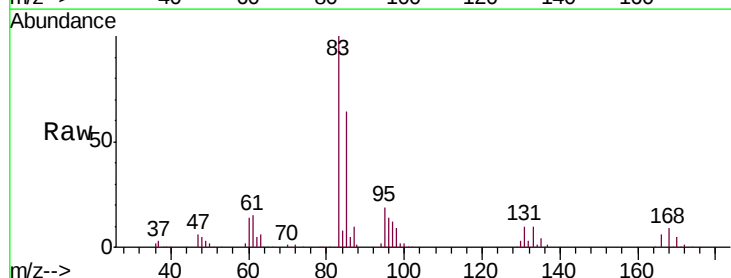
Tgt Ion: 83 Resp: 295310

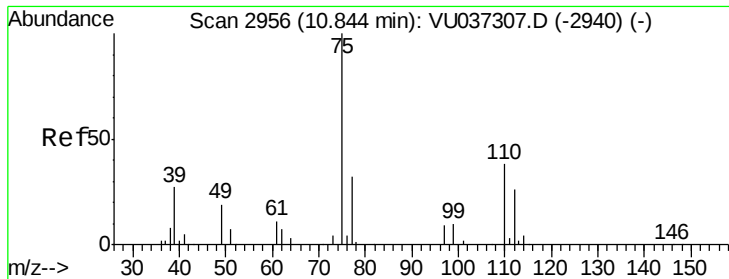
Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

131 10.2 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 48.813 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

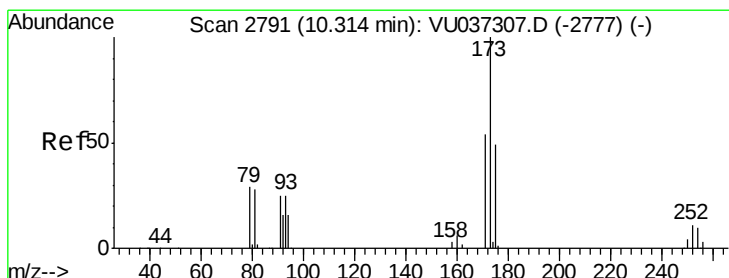
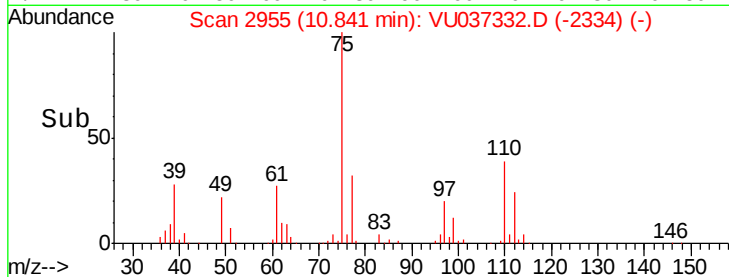
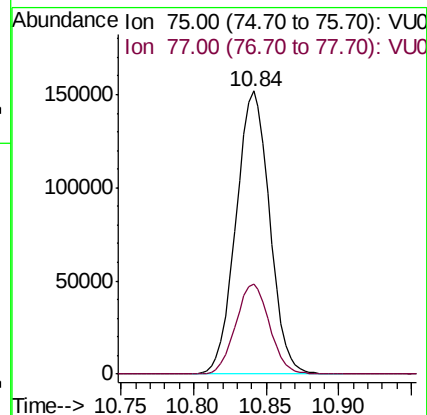
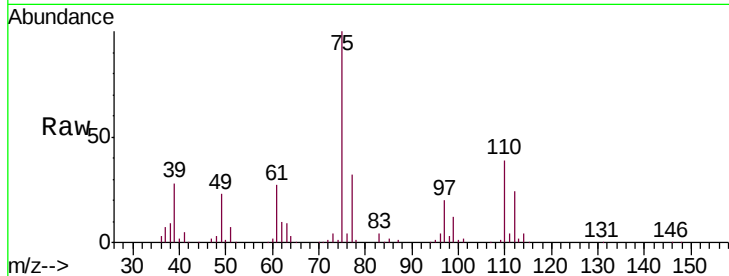
VSTD05056

Tgt Ion: 75 Resp: 244579

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



#61

Bromoform

Concen: 49.846 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

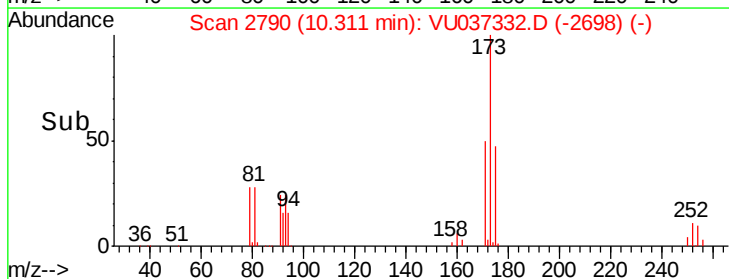
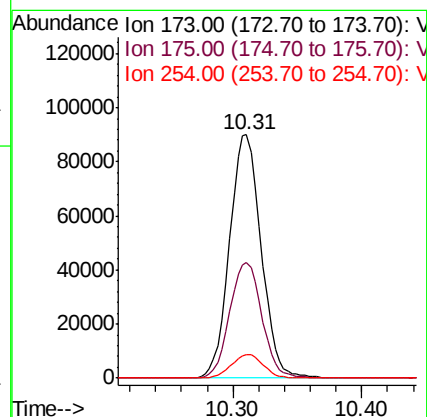
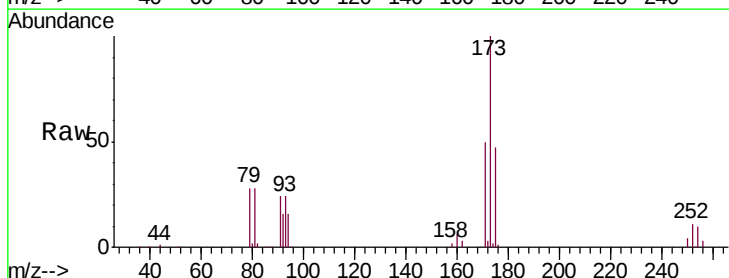
Tgt Ion: 173 Resp: 152746

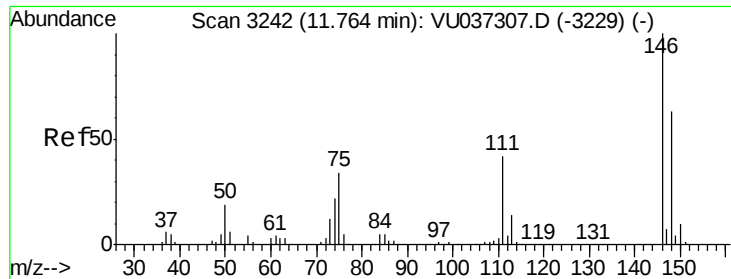
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 9.7 7.6 11.4

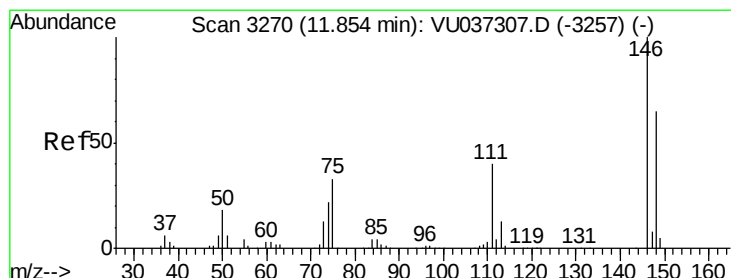
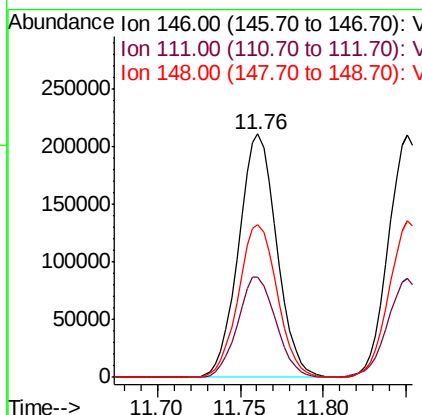
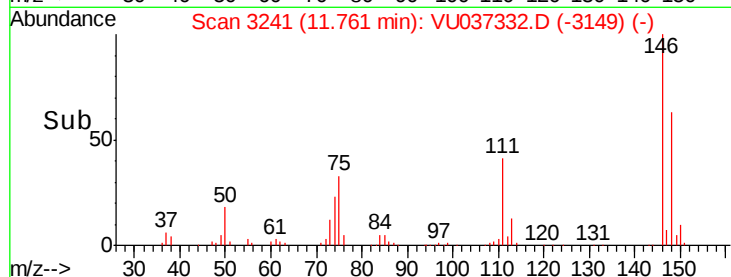
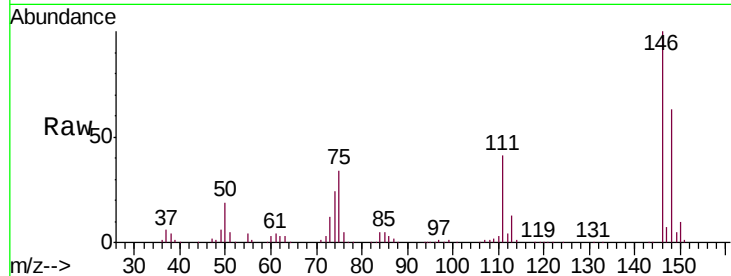




#62
 1,3-Dichlorobenzene
 Concen: 48.562 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

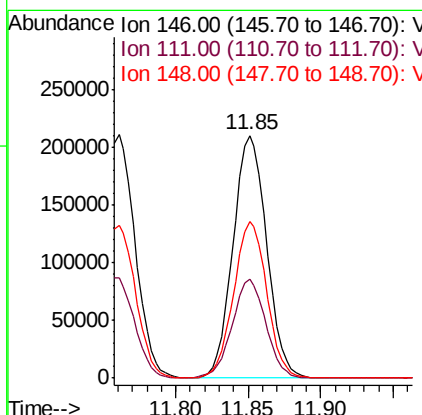
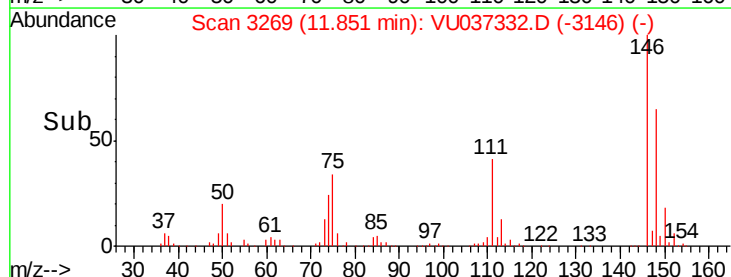
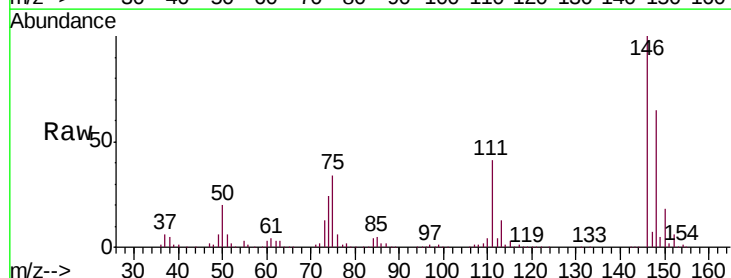
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

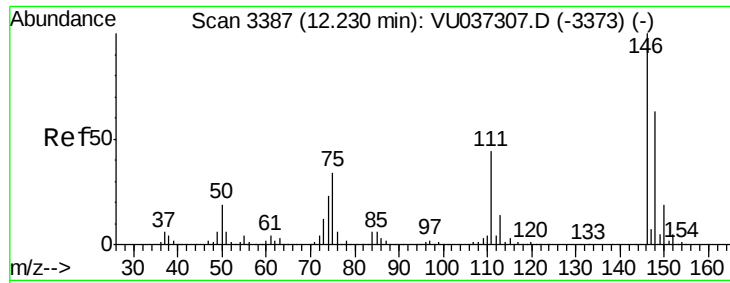
Tgt Ion:146 Resp: 337704
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.2 54.2
 148 63.0 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 48.263 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion:146 Resp: 339215
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.5 52.9
 148 64.6 44.8 83.2

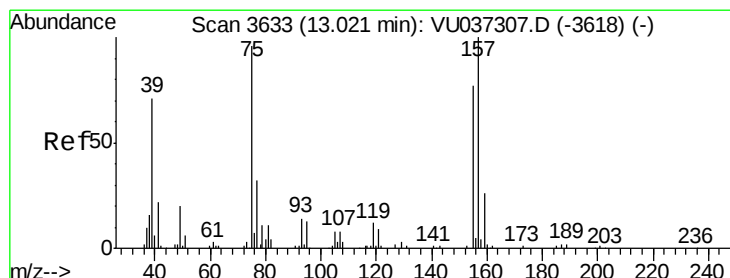
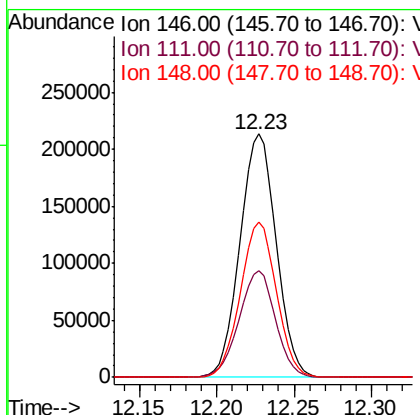
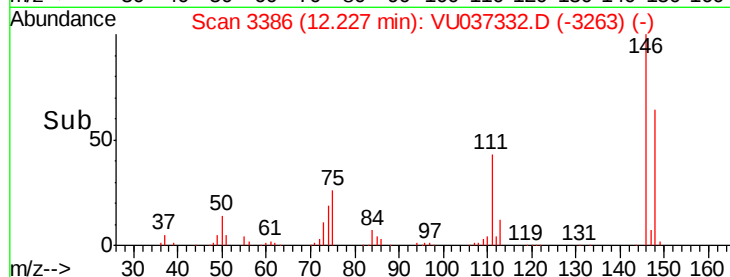
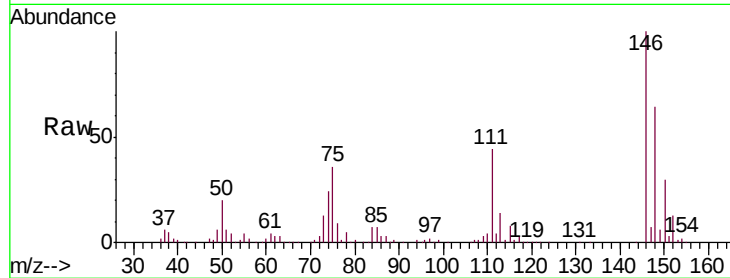




#65
 1,2-Dichlorobenzene
 Concen: 48.982 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

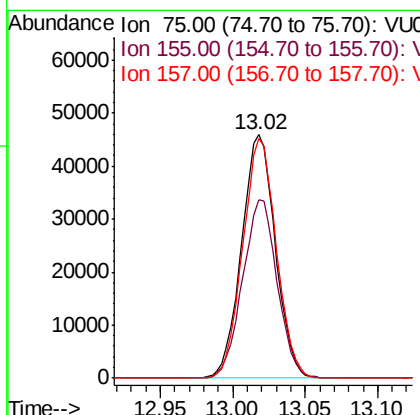
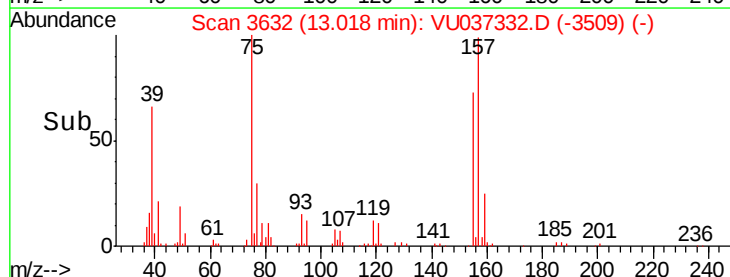
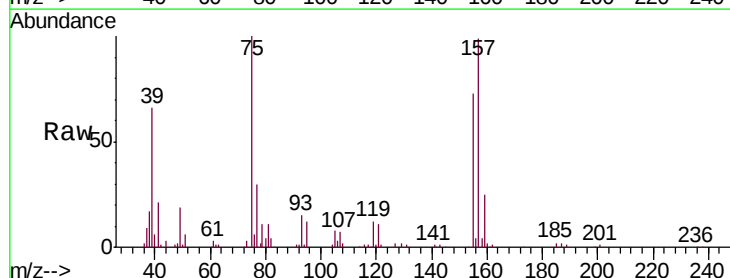
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05056

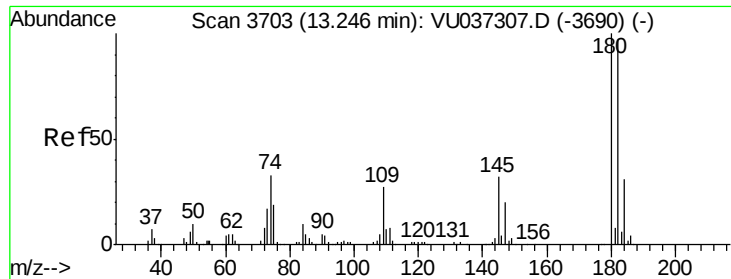
Tgt Ion: 146 Resp: 347897
 Ion Ratio Lower Upper
 146 100
 111 44.0 37.4 56.2
 148 63.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.546 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion: 75 Resp: 74452
 Ion Ratio Lower Upper
 75 100
 155 73.2 59.0 88.4
 157 98.6 69.9 104.9

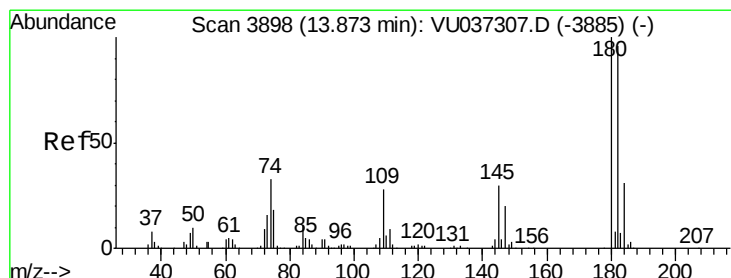
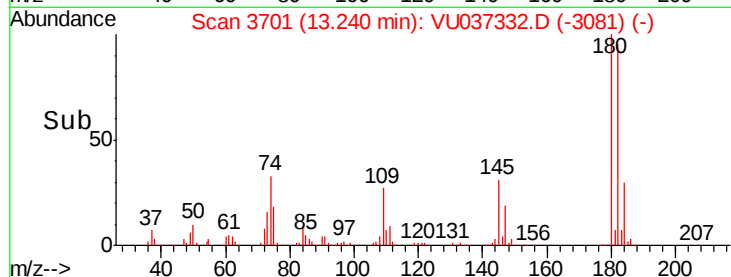
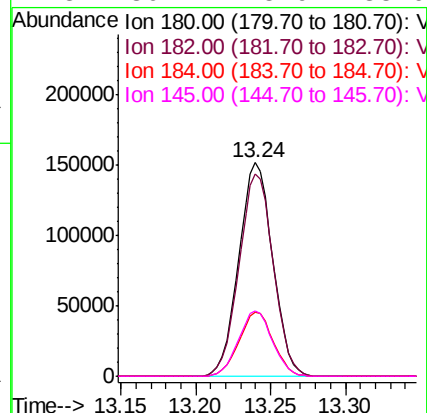
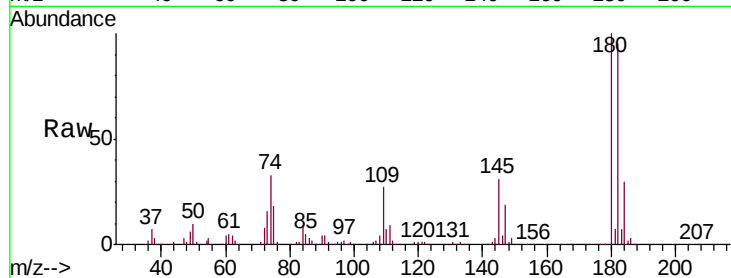




#67
 1,3,5-Trichlorobenzene
 Concen: 47.128 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

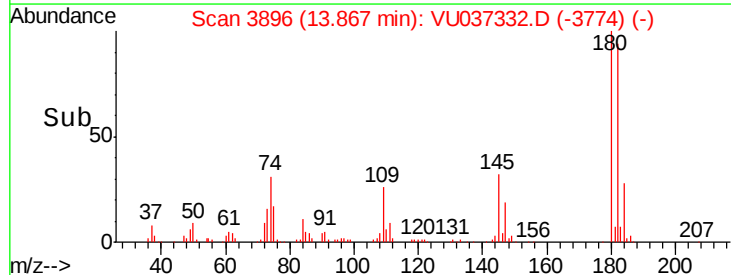
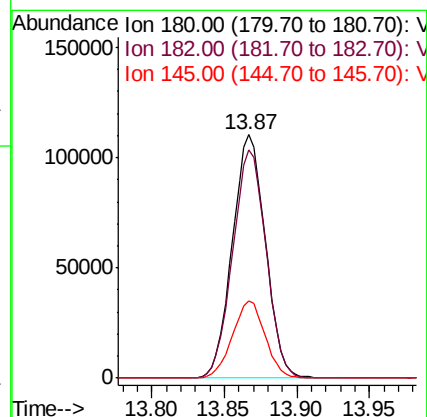
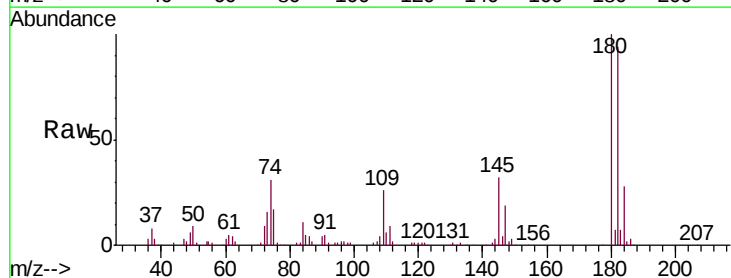
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

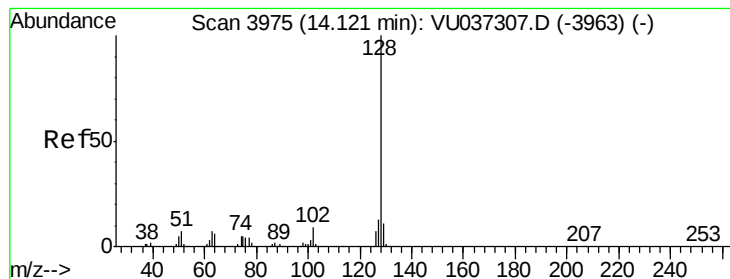
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
184	30.1	24.5	36.7
145	30.7	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 44.113 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037332.D
 Acq: 17 Mar 2020 21:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.9	113.9
145	31.4	26.7	40.1





#69

Naphthalene

Concen: 37.223 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

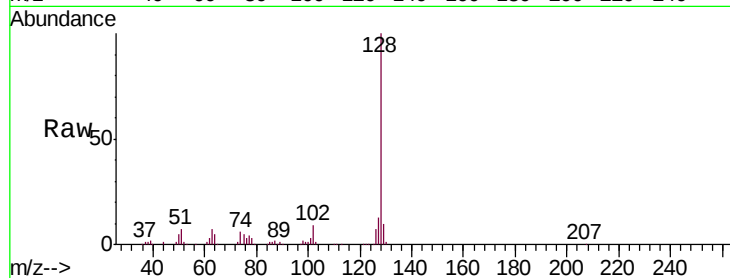
Tgt Ion:128 Resp: 223394

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

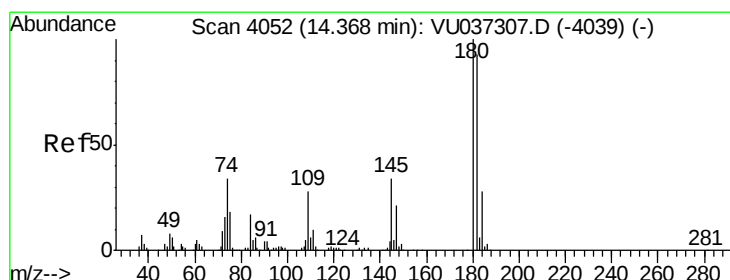
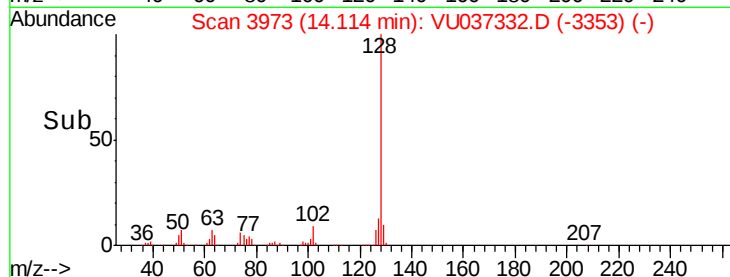
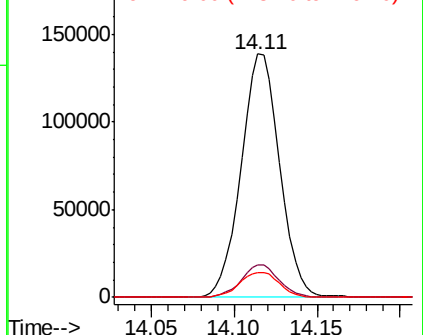
129 10.8 8.5 12.7



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: 44.145 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037332.D

Acq: 17 Mar 2020 21:03

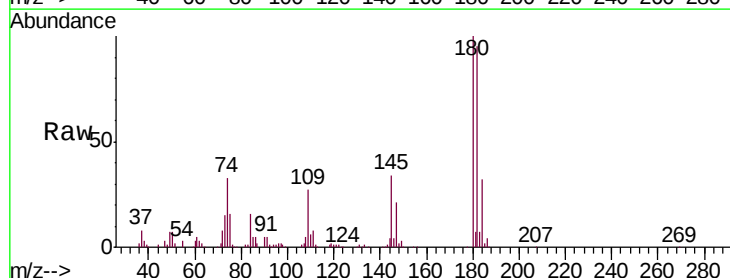
Tgt Ion:180 Resp: 183327

Ion Ratio Lower Upper

180 100

182 96.6 77.8 116.6

145 33.7 27.4 41.0



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

