

Data File : VU035637.D
Acq On : 06 Nov 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Nov 07 04:31:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 06 10:36:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	666740	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	654792	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	301309	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	200473	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.46%
7) Chloroethane-d5	1.93	69	175720	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.72%
11) 1,1-Dichloroethene-d2	2.60	63	344097	41.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.18%
21) 2-Butanone-d5	4.69	46	281082	89.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	5.11	84	372890	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.75	65	223071	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
32) Benzene-d6	5.77	84	749991	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.73	67	247237	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.34%
41) Toluene-d8	7.93	98	696915	43.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.58%
43) trans-1,3-Dichloropropene-	8.21	79	114143	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
47) 2-Hexanone-d5	8.67	63	198304	93.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.48%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	358009	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	12.22	152	267323	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	238079	45.787	ug/L	99
3) Chloromethane	1.54	50	261004	46.058	ug/L	100
5) Vinyl chloride	1.62	62	279031	45.762	ug/L	99
6) Bromomethane	1.87	94	160025	51.815	ug/L	100
8) Chloroethane	1.95	64	165111	46.558	ug/L	98
9) Trichlorofluoromethane	2.16	101	346714	48.003	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	208016	50.166	ug/L	99
12) 1,1-Dichloroethene	2.61	96	194962	47.869	ug/L	97
13) Acetone	2.66	43	319284	115.368	ug/L	99
14) Carbon disulfide	2.82	76	552279	44.013	ug/L	100
15) Methyl Acetate	2.99	43	222030	44.293	ug/L	97
16) Methylene chloride	3.08	84	234414	47.170	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	206574	48.163	ug/L	100
18) Methyl tert-butyl Ether	3.42	73	639670	49.329	ug/L	99
19) 1,1-Dichloroethane	3.92	63	396039	47.868	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	236245	48.834	ug/L	93
22) 2-Butanone	4.77	43	366294	100.263	ug/L	96

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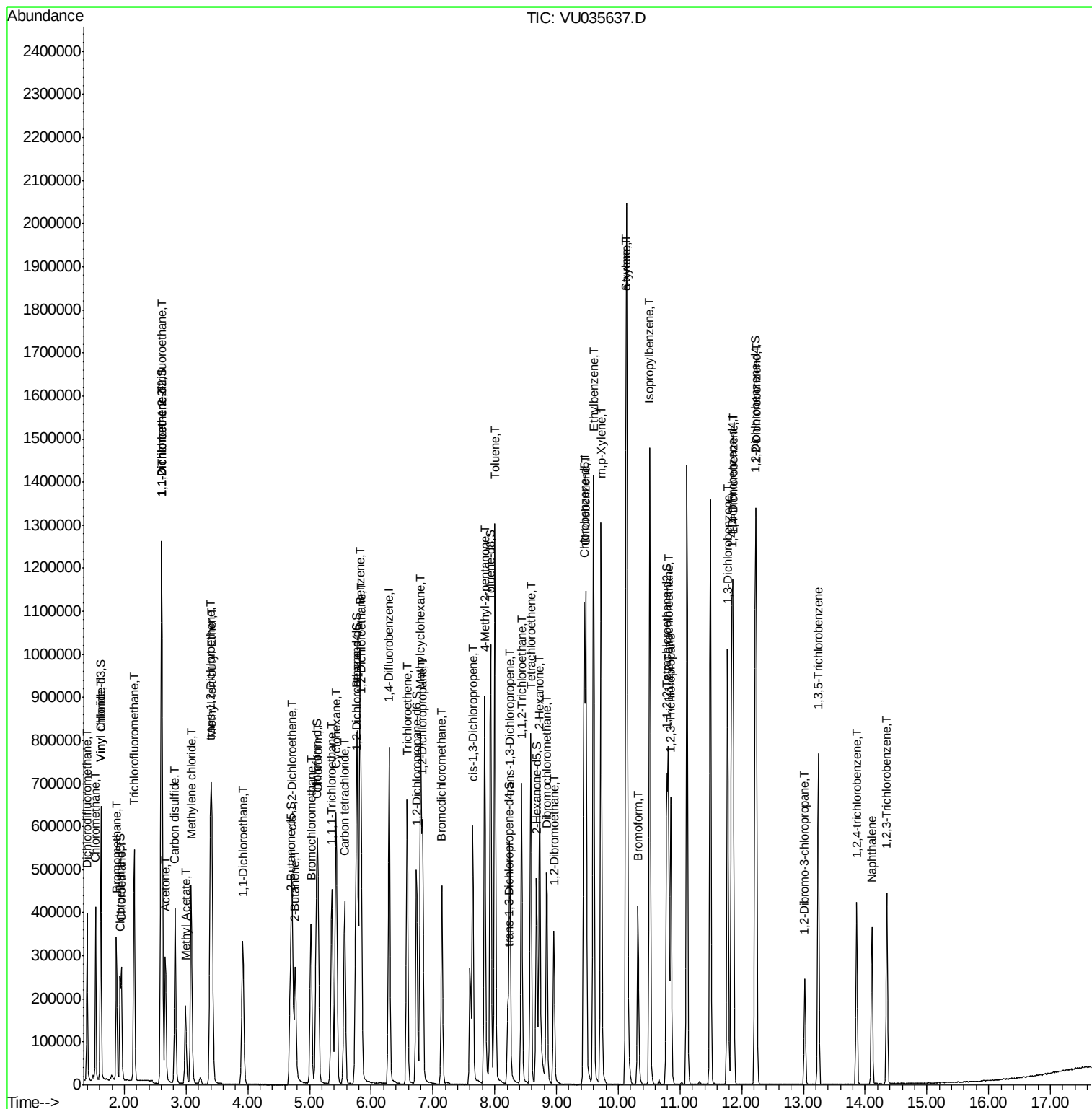
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	125865	49.236	ug/L	95
25) Chloroform	5.14	83	406088	48.328	ug/L	99
27) 1,2-Dichloroethane	5.84	62	292171	47.593	ug/L	98
29) Cyclohexane	5.43	56	323013	48.364	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	333740	48.493	ug/L	99
31) Carbon tetrachloride	5.57	117	301495	49.268	ug/L	99
33) Benzene	5.82	78	891717	48.456	ug/L	100
34) Trichloroethene	6.58	95	226106	48.330	ug/L	96
35) Methylcyclohexane	6.80	83	327286	48.168	ug/L	99
37) 1,2-Dichloropropane	6.83	63	239120	48.522	ug/L	100
38) Bromodichloromethane	7.14	83	303171	48.399	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	370451	50.574	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	585722	88.842	ug/L	97
42) Toluene	8.00	91	968830	50.232	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	334961	49.887	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	227663	48.198	ug/L	99
46) Tetrachloroethene	8.58	164	195471	49.968	ug/L	99
48) 2-Hexanone	8.73	43	486767	90.792	ug/L	96
49) Dibromochloromethane	8.84	129	263684	49.501	ug/L	99
50) 1,2-Dibromoethane	8.96	107	243320	48.281	ug/L	99
51) Chlorobenzene	9.48	112	625675	48.593	ug/L	99
52) Ethylbenzene	9.60	91	1033503	50.123	ug/L	98
53) m,p-Xylene	9.72	106	407863	52.715	ug/L	95
54) o-xylene	10.13	106	391977	51.834	ug/L	97
55) Styrene	10.14	104	655925	52.265	ug/L	99
56) Isopropylbenzene	10.51	105	997138	52.472	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	385199	47.344	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	295299	45.956	ug/L	99
61) Bromoform	10.32	173	205661	44.740	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	461481	48.550	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	457240	47.352	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	462637	47.808	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	61935	41.280	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	264248	48.120	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	142695	38.791	ug/L	100
69) Naphthalene	14.11	128	298522	31.639	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	147285	37.161	ug/L	99

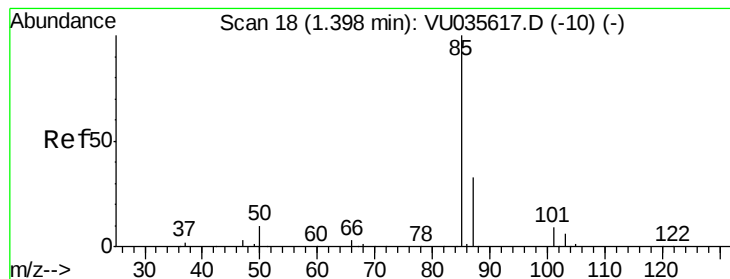
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.787 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

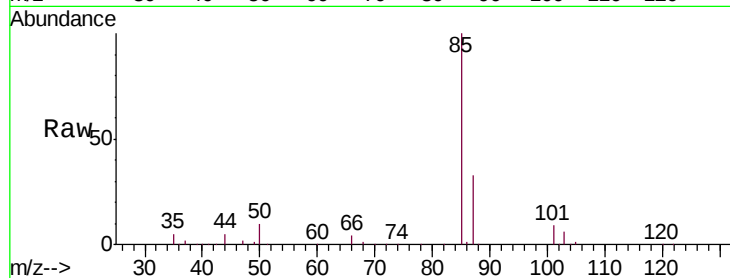
VSTD05037

Tgt Ion: 85 Resp: 238079

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.40

200000

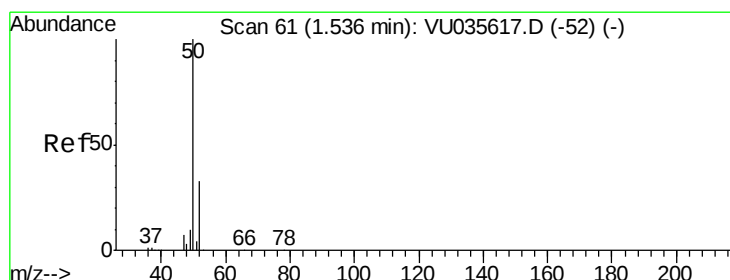
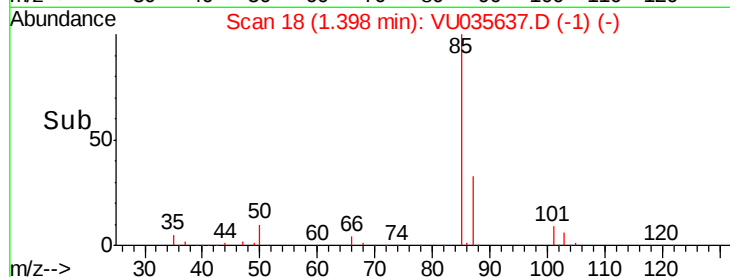
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100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.058 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035637.D

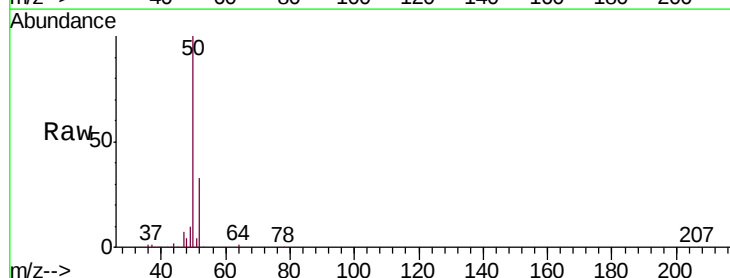
Acq: 06 Nov 2019 08:57

Tgt Ion: 50 Resp: 261004

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.54

300000

250000

200000

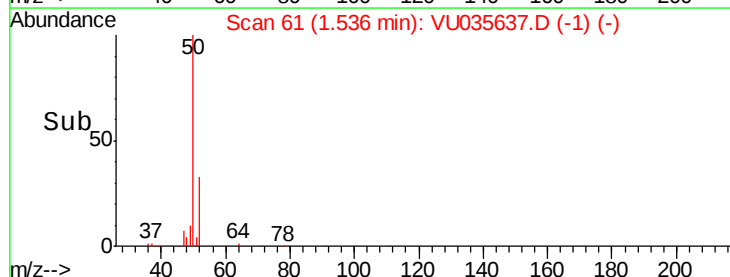
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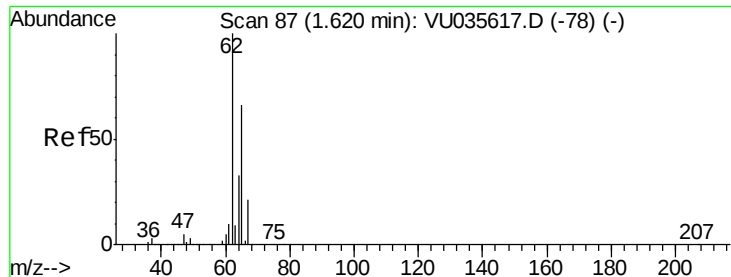
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50000

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Time-->





#5

Vinyl chloride

Concen: 45.762 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

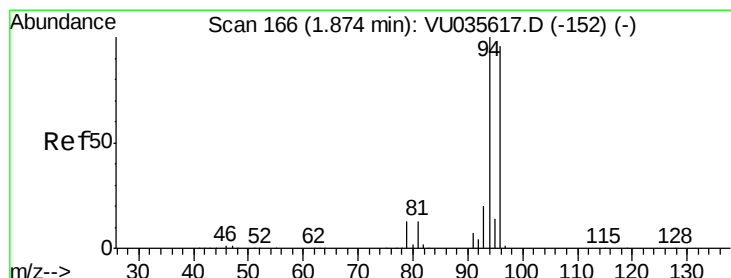
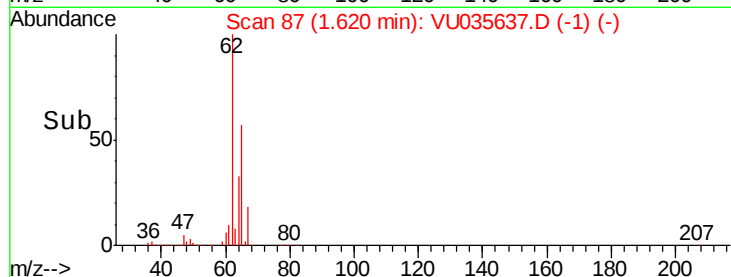
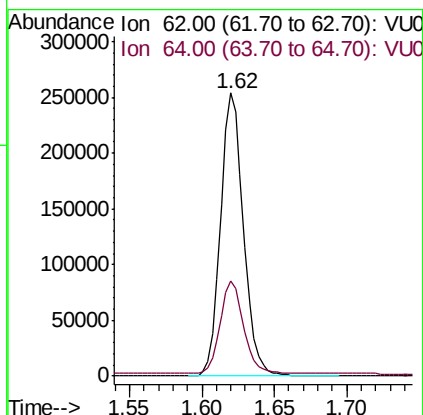
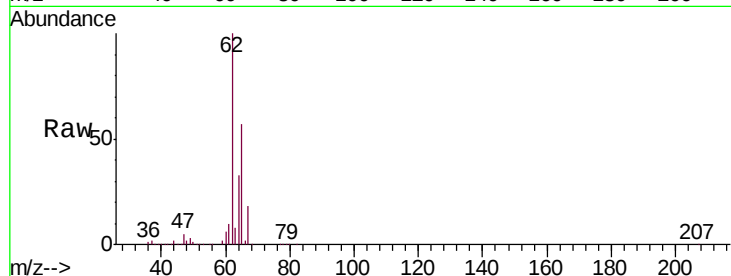
VSTD05037

Tgt Ion: 62 Resp: 279031

Ion Ratio Lower Upper

62 100

64 33.4 23.7 43.9



#6

Bromomethane

Concen: 51.815 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035637.D

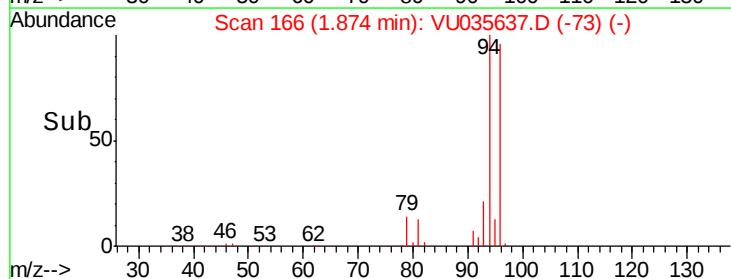
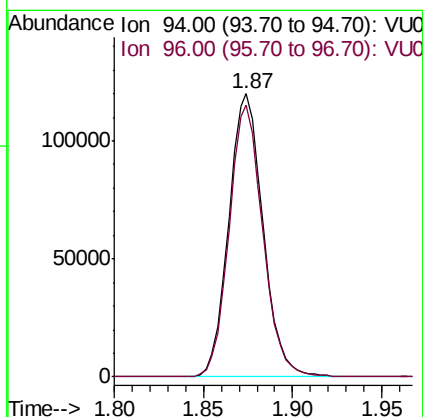
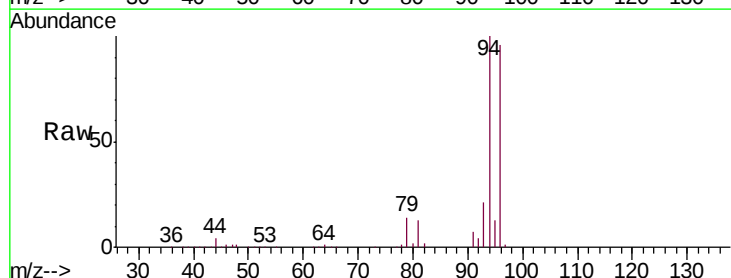
Acq: 06 Nov 2019 08:57

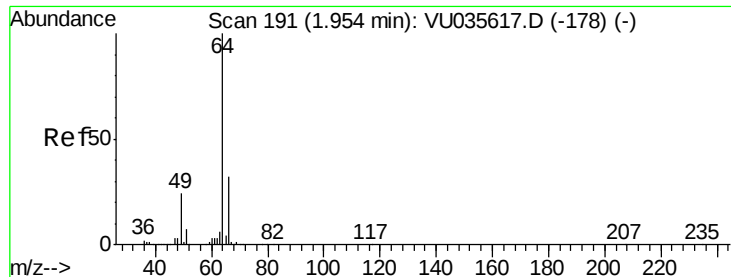
Tgt Ion: 94 Resp: 160025

Ion Ratio Lower Upper

94 100

96 96.1 67.5 125.4





#8

Chloroethane

Concen: 46.558 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

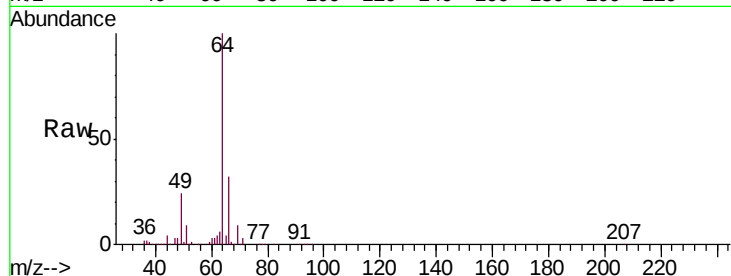
VSTD05037

Tgt Ion: 64 Resp: 165111

Ion Ratio Lower Upper

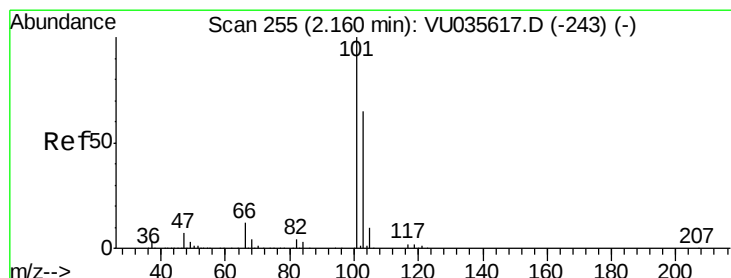
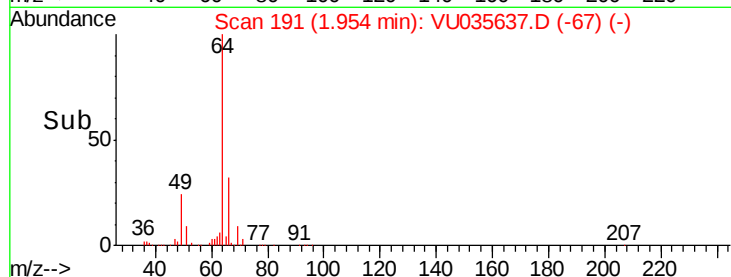
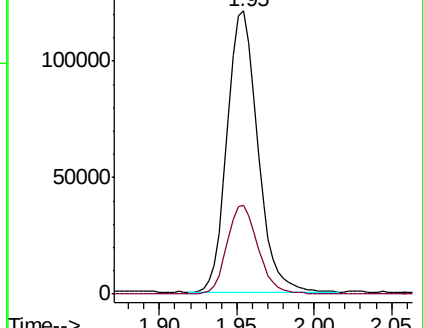
64 100

66 31.5 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VU035617.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU035617.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.003 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035637.D

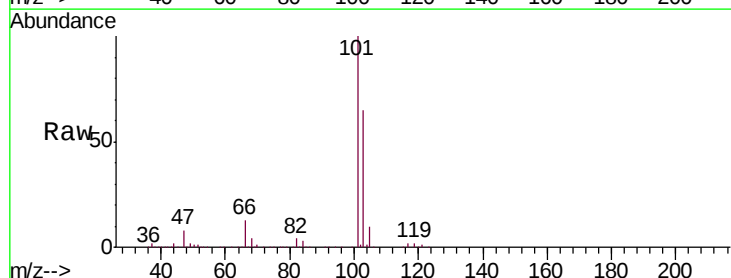
Acq: 06 Nov 2019 08:57

Tgt Ion: 101 Resp: 346714

Ion Ratio Lower Upper

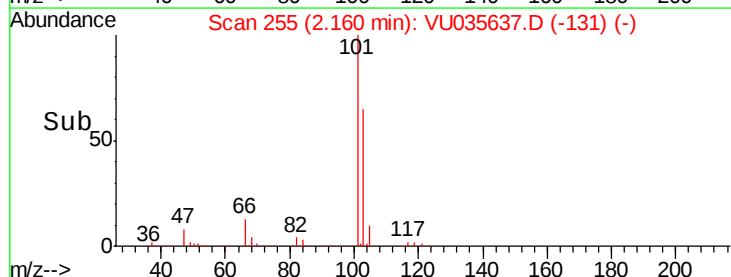
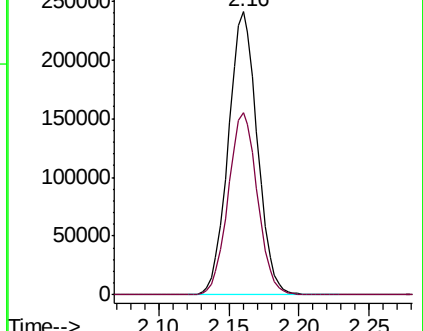
101 100

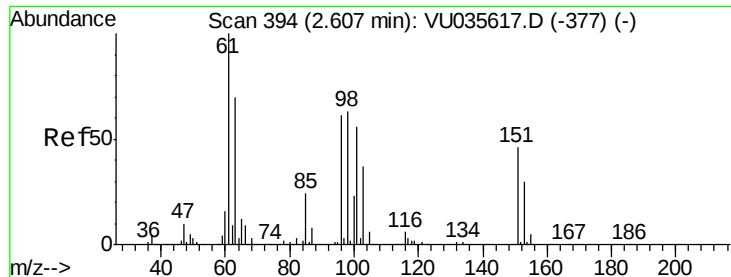
103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035617.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035617.D (-243) (-)





#10

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

Concen: 50.166 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

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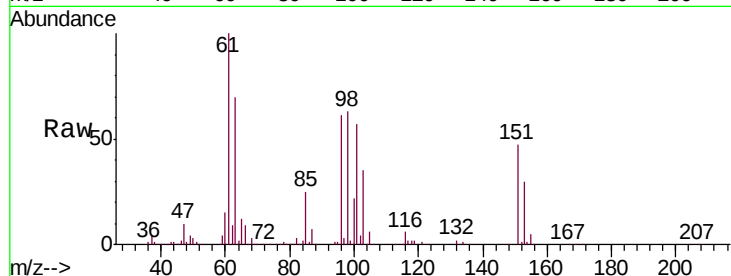
Tgt Ion: 101 Resp: 208016

Ion Ratio Lower Upper

101 100

85 42.6 34.0 51.0

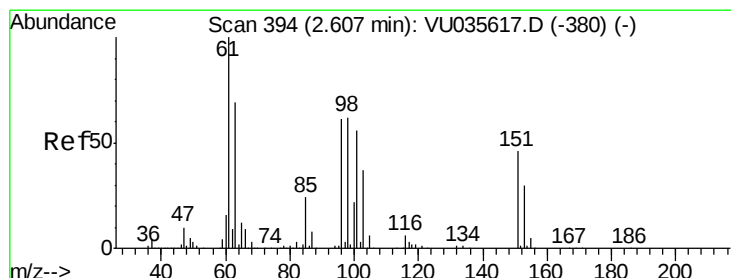
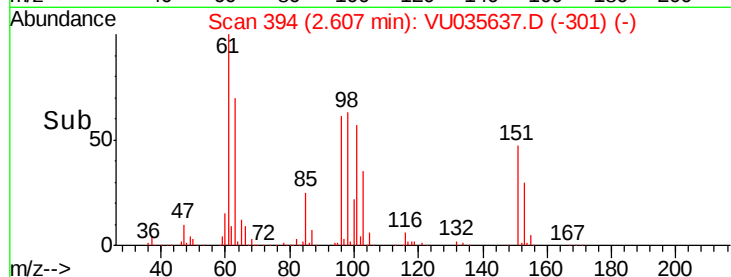
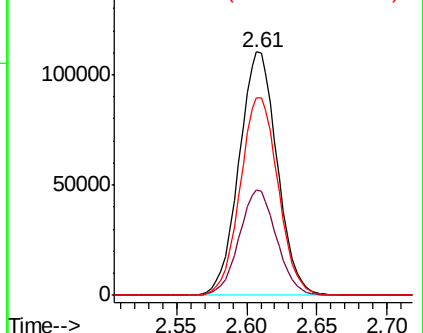
151 81.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VU035637.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035637.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035637.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 47.869 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

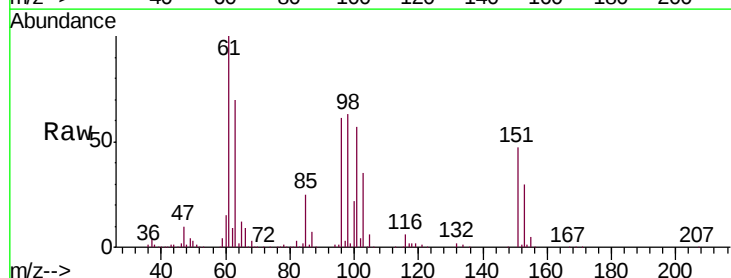
Tgt Ion: 96 Resp: 194962

Ion Ratio Lower Upper

96 100

61 162.9 113.1 210.1

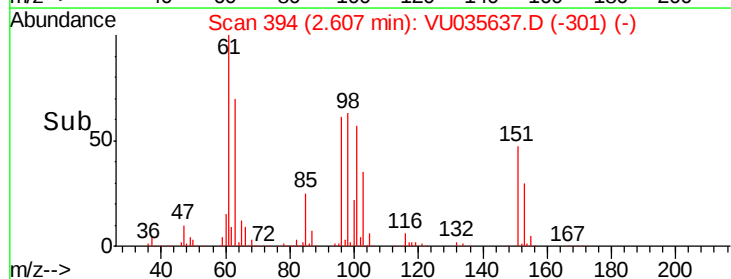
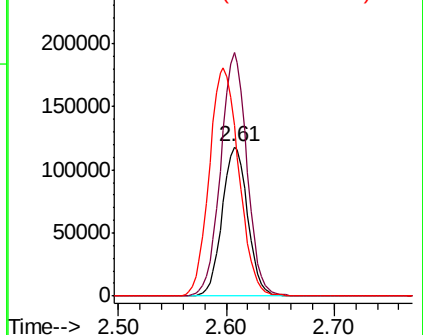
63 114.0 76.2 141.4

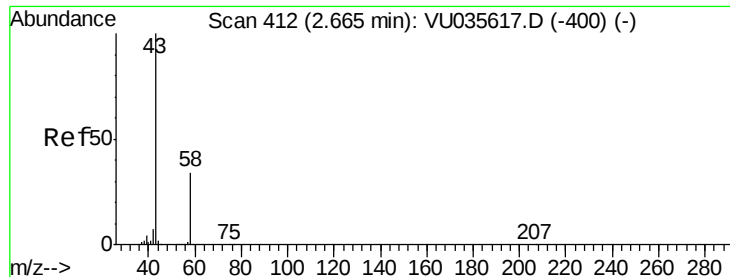


Abundance Ion 96.00 (95.70 to 96.70): VU035637.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VU035637.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035637.D (-301) (-)





#13

Acetone

Concen: 115.368 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU035637.D

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ClientSampleId :

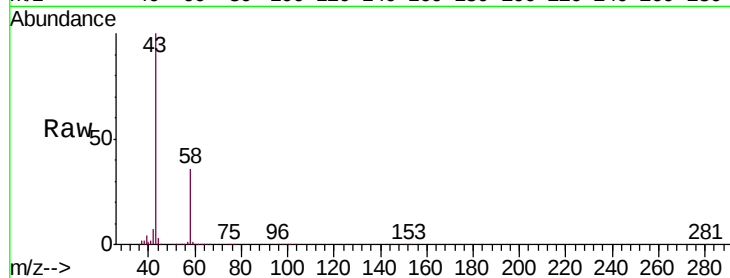
VSTD05037

Tgt Ion: 43 Resp: 319284

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035617.D (-400) (-)

Ion 58.00 (57.70 to 58.70): VU035617.D (-400) (-)

2.66

200000

150000

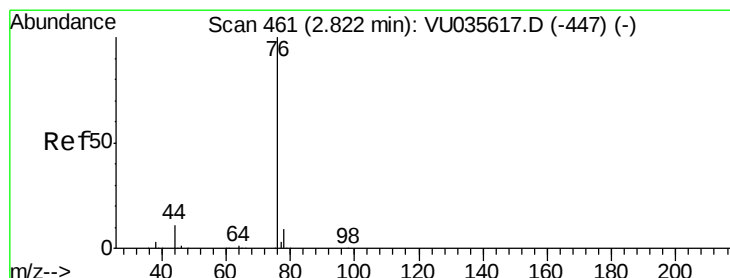
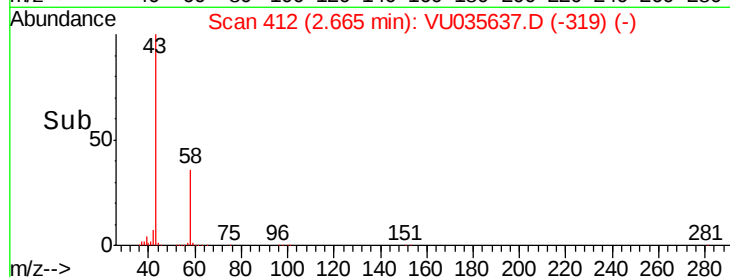
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 44.013 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035637.D

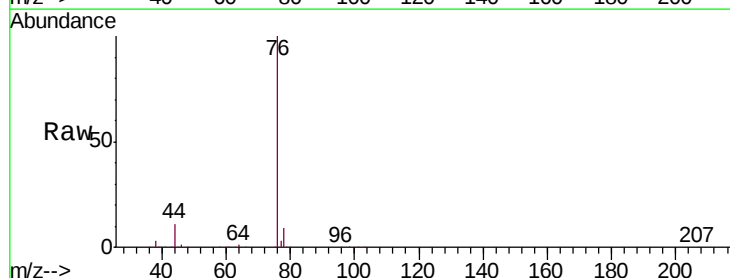
Acq: 06 Nov 2019 08:57

Tgt Ion: 76 Resp: 552279

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035617.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035617.D (-447) (-)

2.82

300000

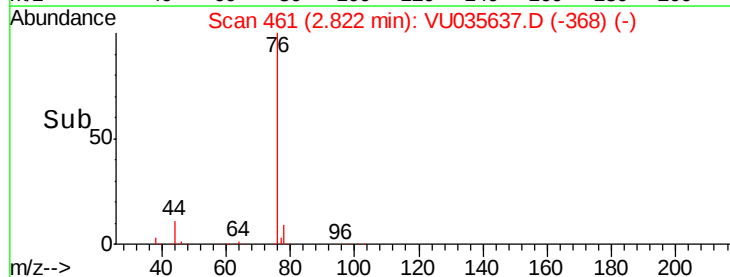
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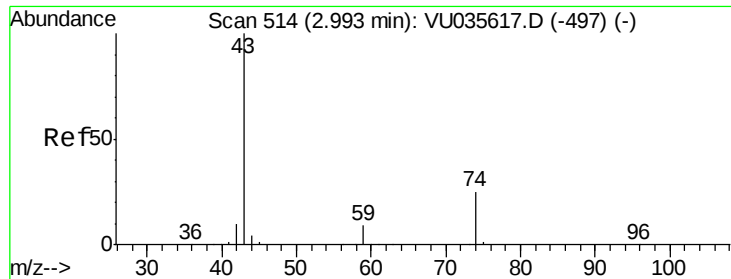
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2.75 2.80 2.85 2.90 2.95

Time-->

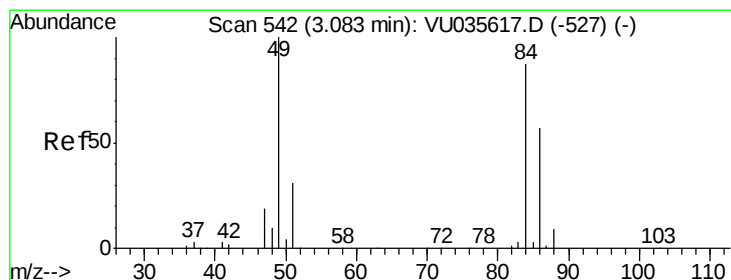
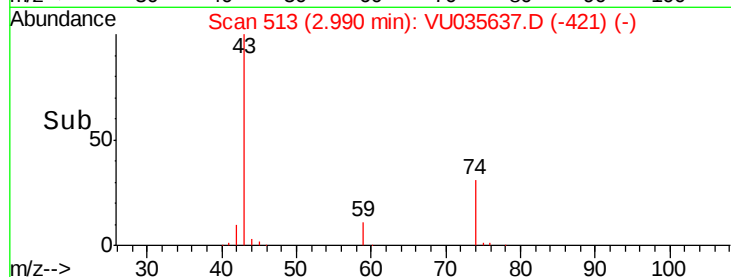
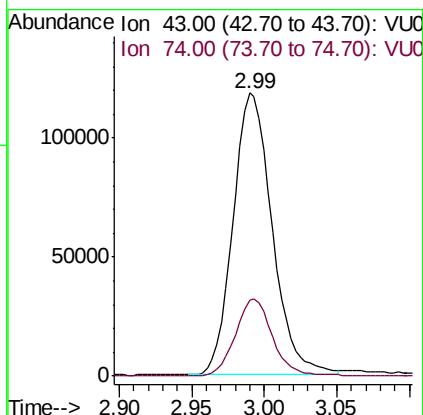
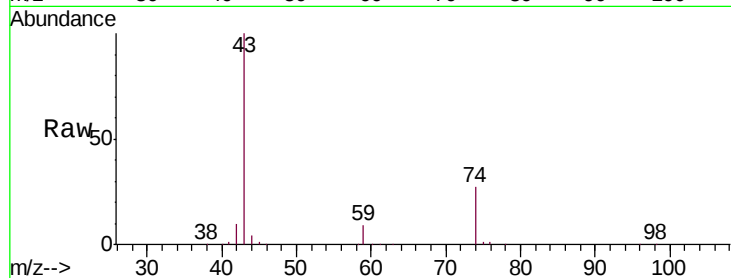




#15
Methyl Acetate
Concen: 44.293 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

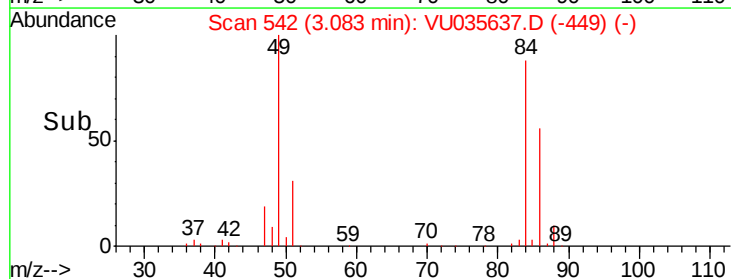
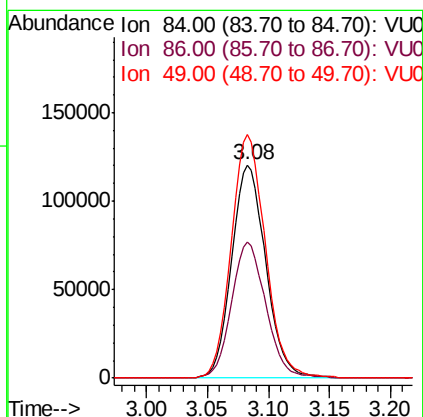
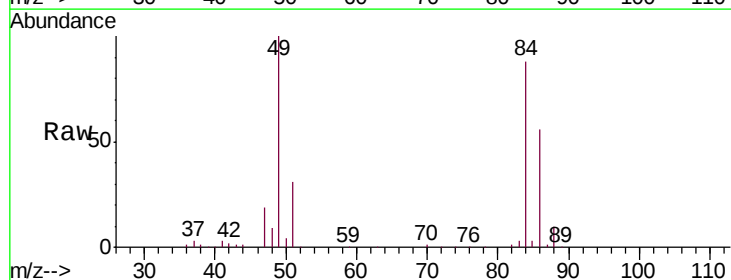
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

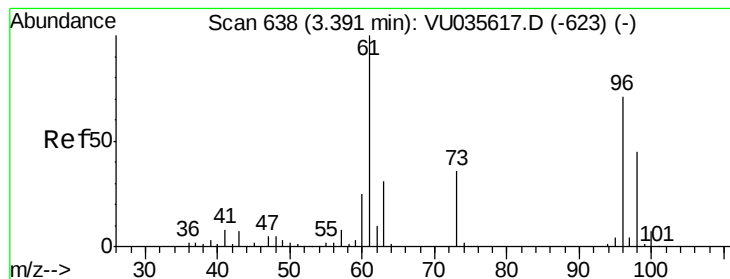
Tgt Ion: 43 Resp: 222030
Ion Ratio Lower Upper
43 100
74 26.2 19.8 29.6



#16
Methylene chloride
Concen: 47.170 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

Tgt Ion: 84 Resp: 234414
Ion Ratio Lower Upper
84 100
86 64.0 45.1 83.7
49 114.3 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 48.163 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

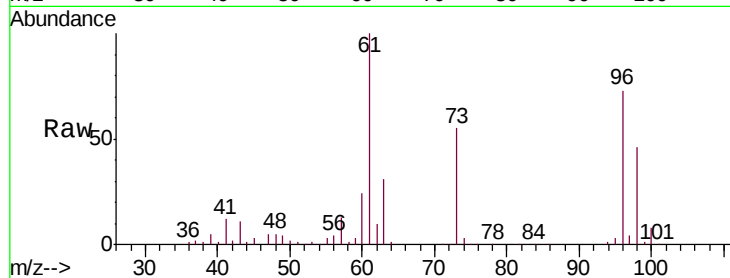
Tgt Ion: 96 Resp: 206574

Ion Ratio Lower Upper

96 100

61 136.4 95.3 176.9

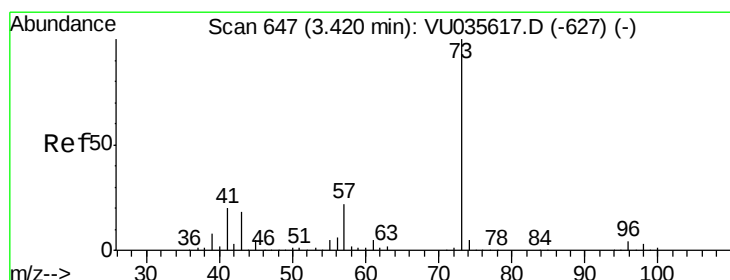
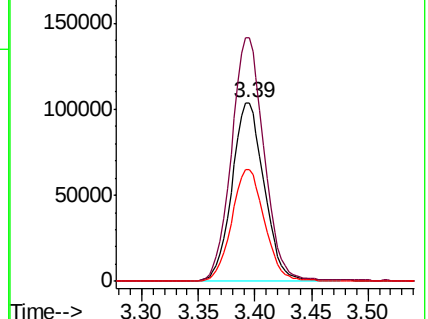
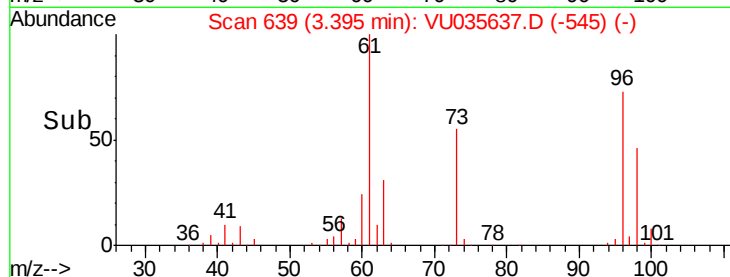
98 62.9 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035637.D (-545) (-)

Ion 61.00 (60.70 to 61.70): VU035637.D (-545) (-)

Ion 98.00 (97.70 to 98.70): VU035637.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 49.329 ug/L

RT: 3.42 min Scan# 646

Delta R.T. -0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

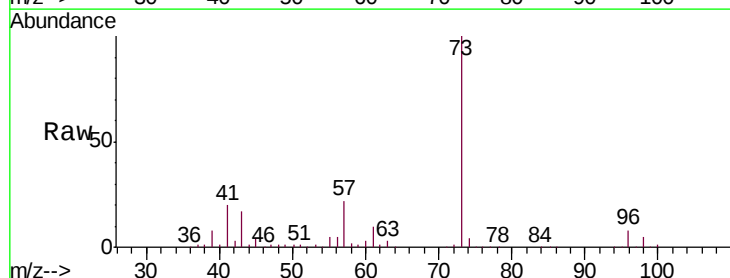
Tgt Ion: 73 Resp: 639670

Ion Ratio Lower Upper

73 100

43 17.1 14.2 21.2

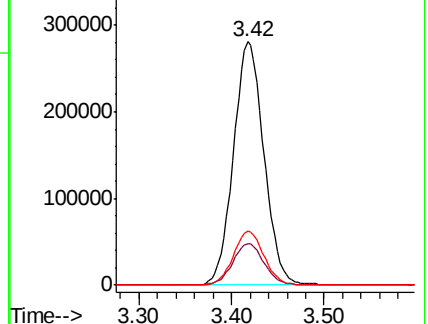
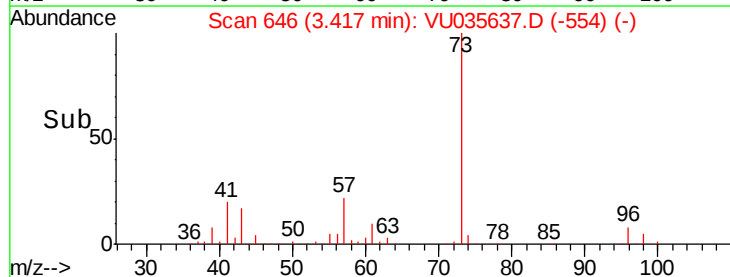
57 22.2 18.3 27.5

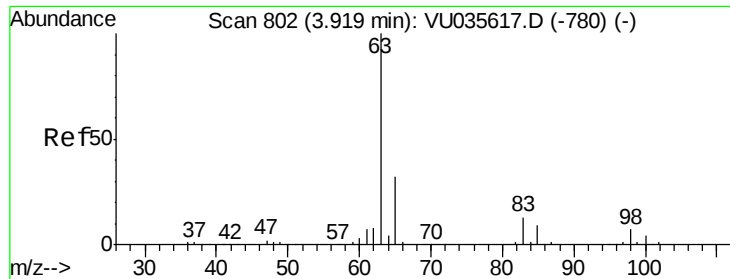


Abundance Ion 73.00 (72.70 to 73.70): VU035637.D (-554) (-)

Ion 43.00 (42.70 to 43.70): VU035637.D (-554) (-)

Ion 57.00 (56.70 to 57.70): VU035637.D (-554) (-)

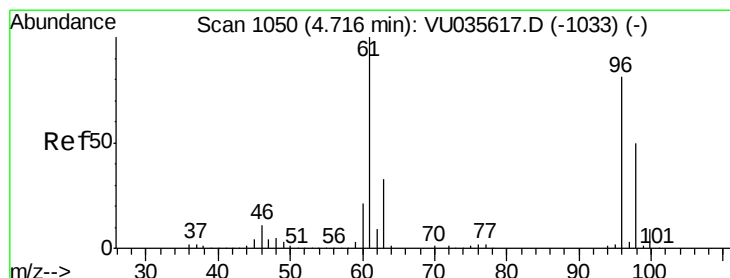
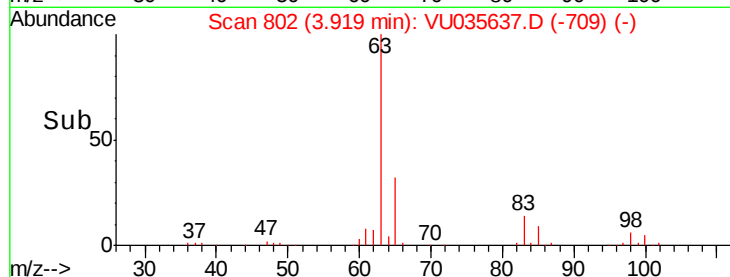
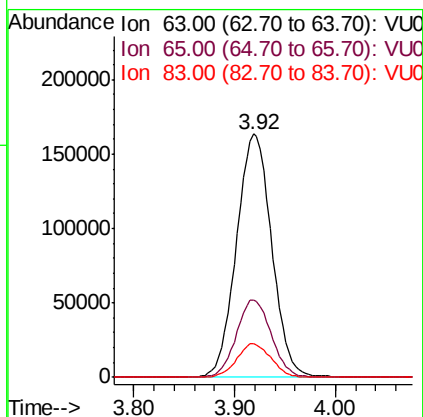
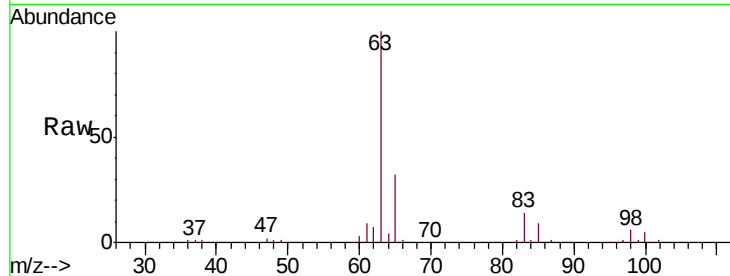




#19
 1,1-Dichloroethane
 Concen: 47.868 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

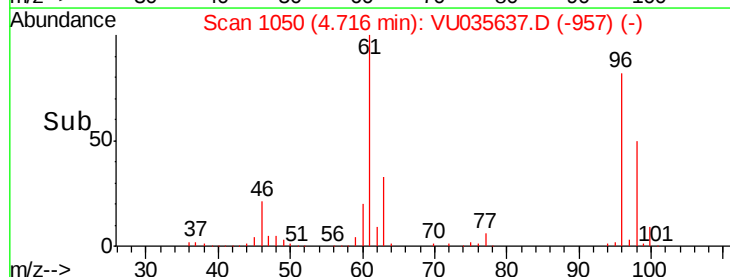
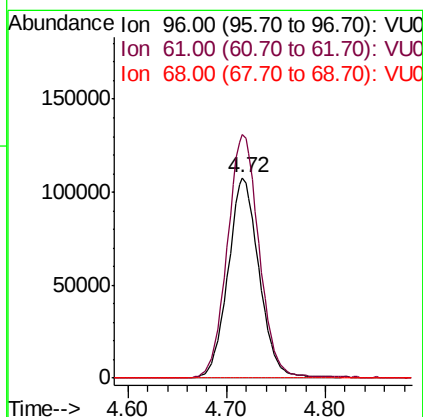
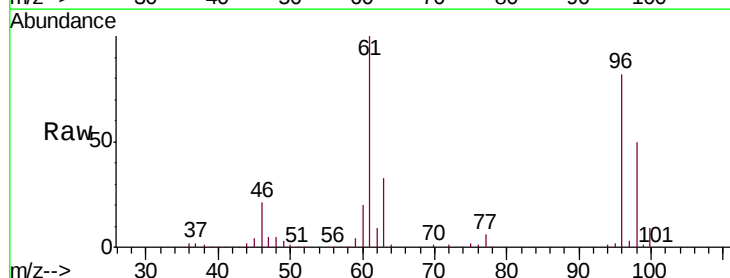
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

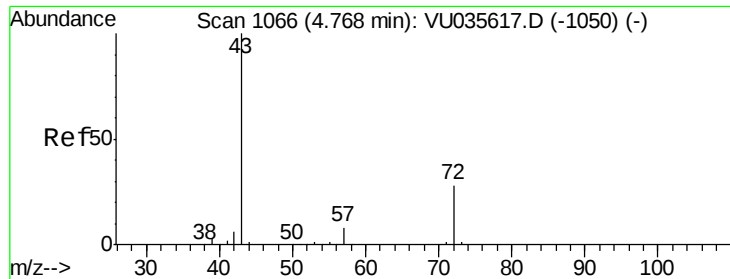
Tgt Ion: 63 Resp: 396039
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 13.9 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.834 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion: 96 Resp: 236245
 Ion Ratio Lower Upper
 96 100
 61 121.3 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.263 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

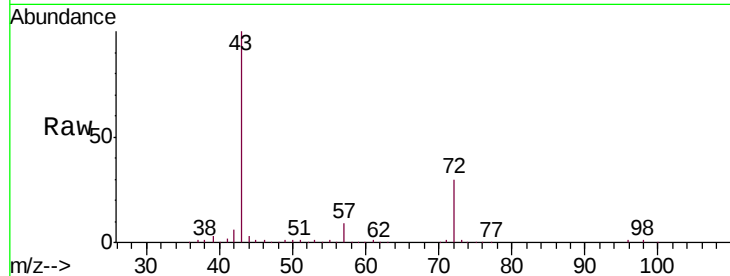
VSTD05037

Tgt Ion: 43 Resp: 366294

Ion Ratio Lower Upper

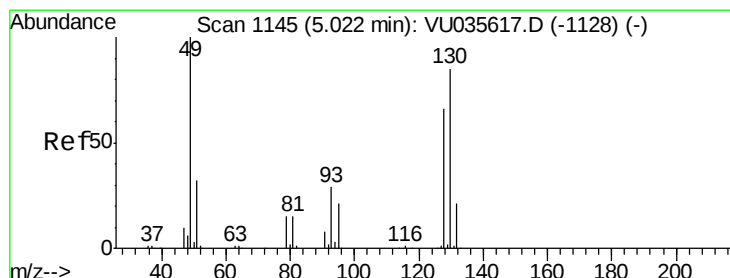
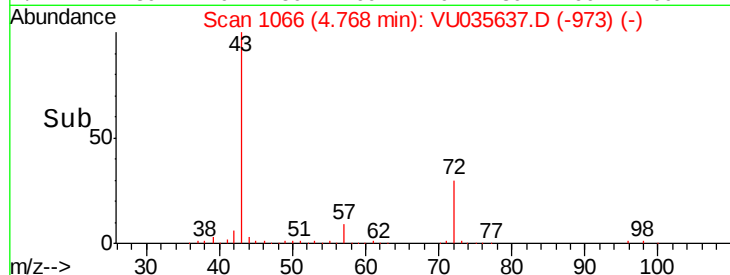
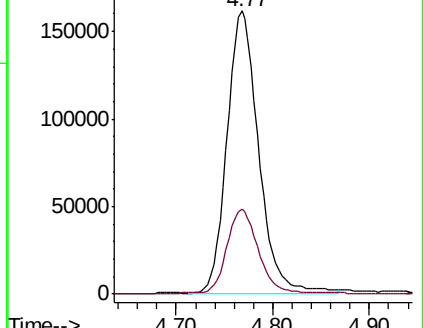
43 100

72 29.2 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035637.D (-973) (-)

Ion 72.00 (71.70 to 72.70): VU035637.D (-973) (-)



#23

Bromochloromethane

Concen: 49.236 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Tgt Ion: 128 Resp: 125865

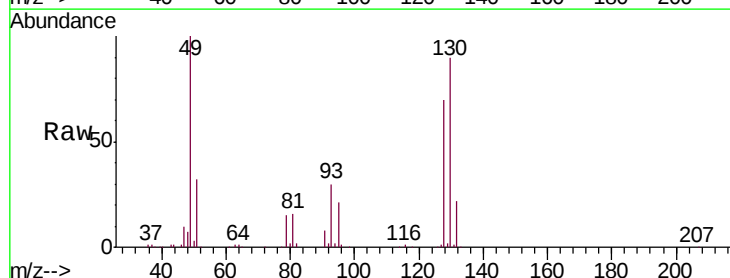
Ion Ratio Lower Upper

128 100

49 143.6 106.4 197.6

130 128.5 88.1 163.5

51 45.9 38.8 58.2

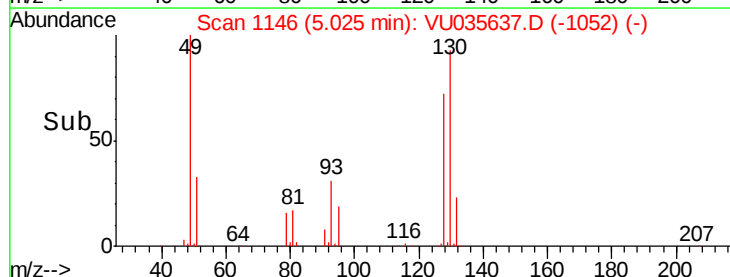
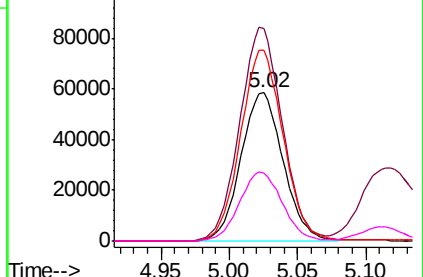


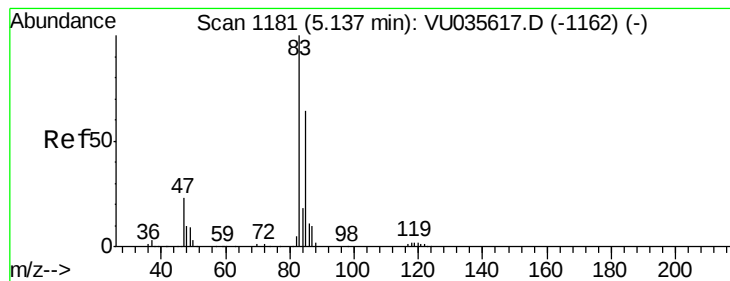
Abundance Ion 128.00 (127.70 to 128.70): VU035637.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU035637.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU035637.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU035637.D (-1052) (-)





#25

Chloroform

Concen: 48.328 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

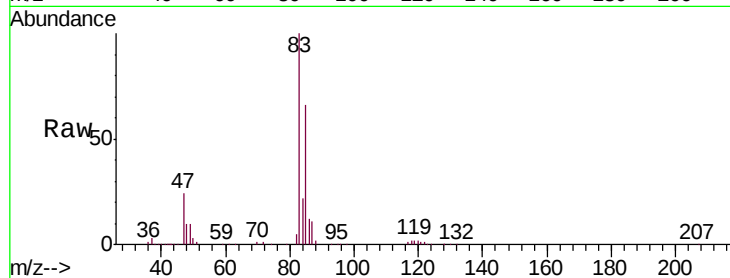
VSTD05037

Tgt Ion: 83 Resp: 406088

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU035617.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU035617.D (-1162) (-)

5.14

200000

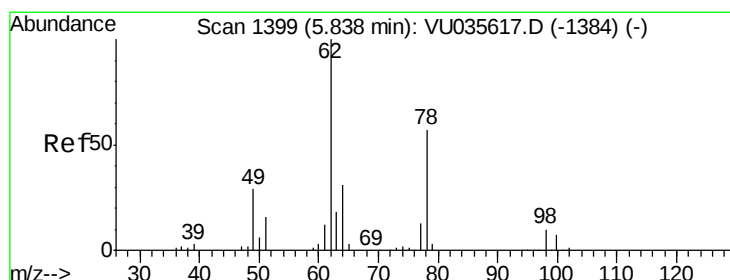
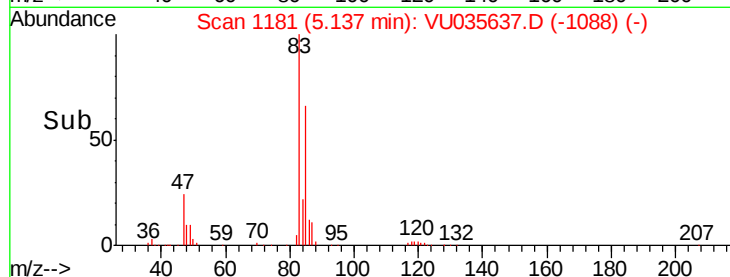
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 47.593 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU035637.D

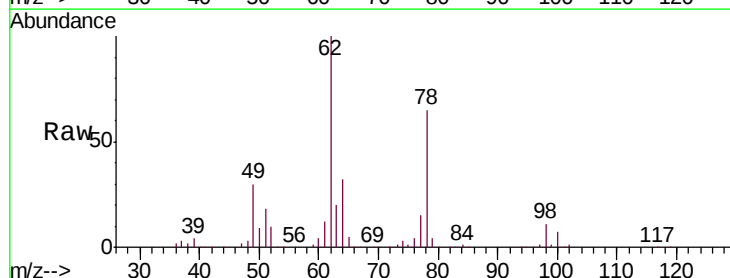
Acq: 06 Nov 2019 08:57

Tgt Ion: 62 Resp: 292171

Ion Ratio Lower Upper

62 100

98 10.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU035617.D (-1384) (-)

Ion 98.00 (97.70 to 98.70): VU035617.D (-1384) (-)

5.84

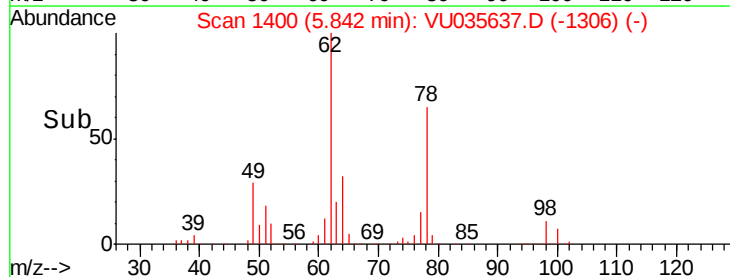
150000

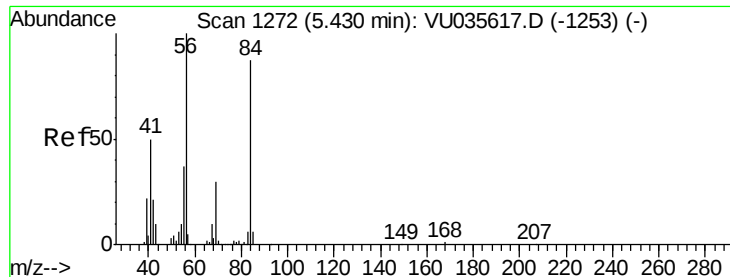
100000

50000

0

Time-->

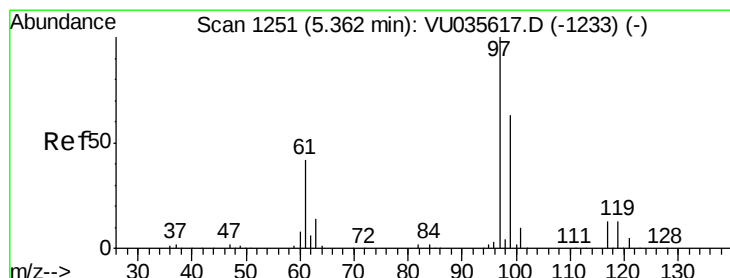
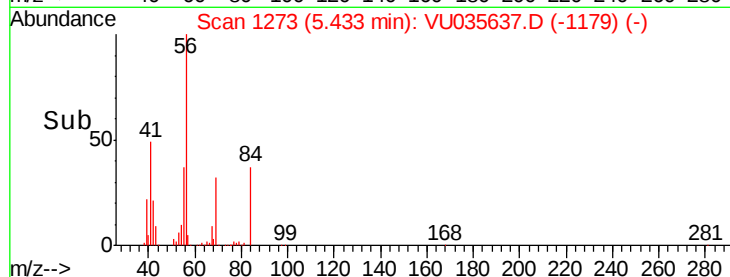
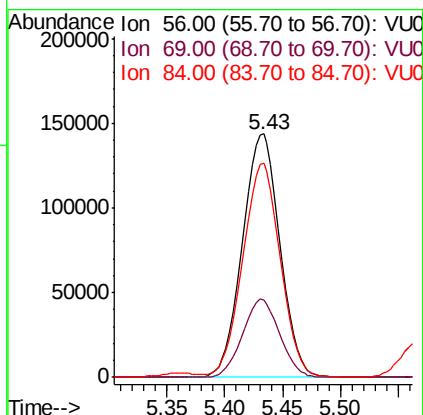
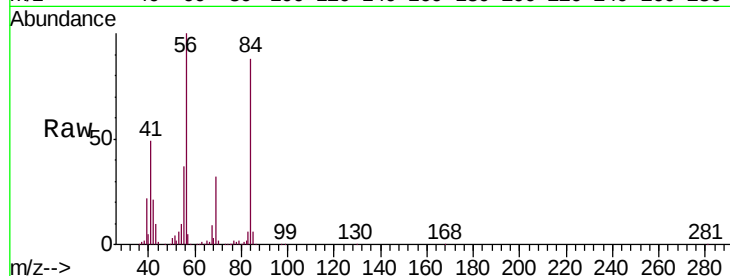




#29
Cyclohexane
Concen: 48.364 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

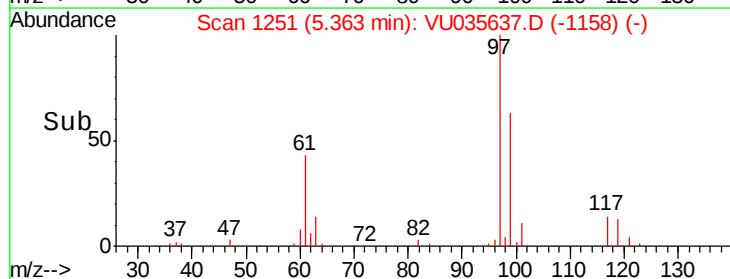
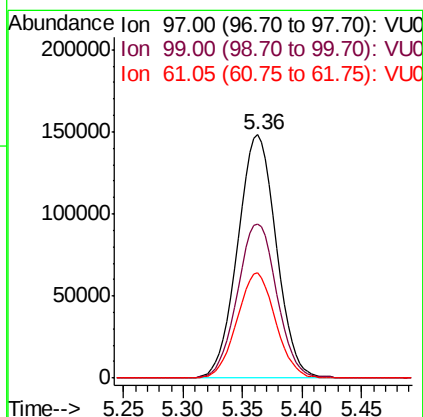
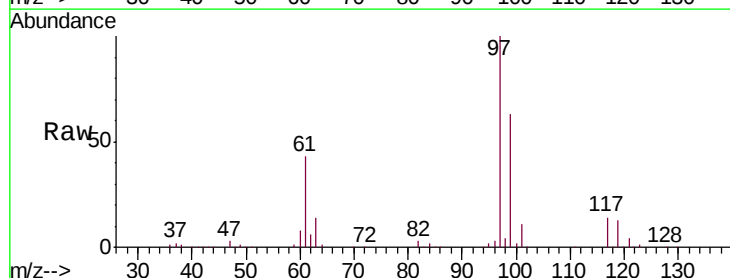
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

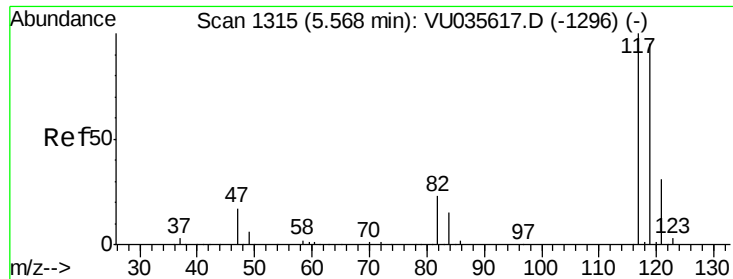
Tgt Ion: 56 Resp: 323013
Ion Ratio Lower Upper
56 100
69 31.7 24.4 36.6
84 87.7 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 48.493 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

Tgt Ion: 97 Resp: 333740
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 42.9 35.1 52.7





#31

Carbon tetrachloride

Concen: 49.268 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

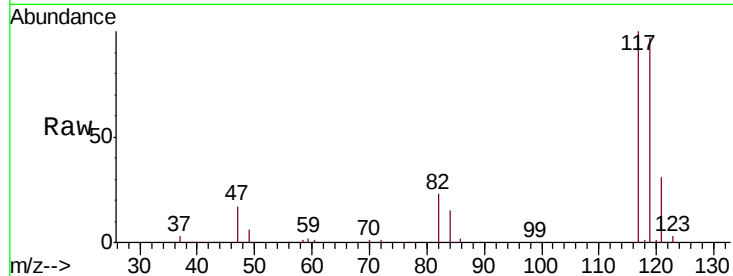
VSTD05037

Tgt Ion:117 Resp: 301495

Ion Ratio Lower Upper

117 100

119 96.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

150000

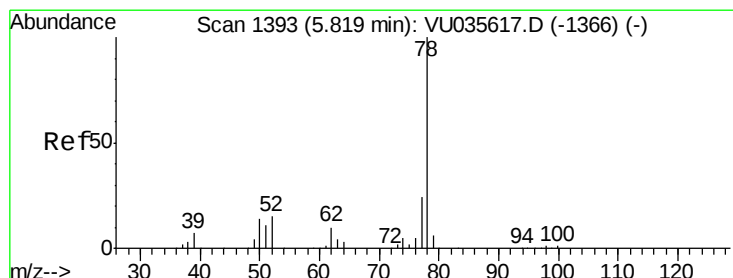
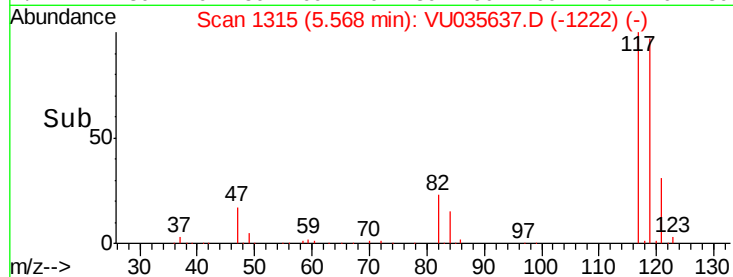
100000

50000

0

Time-->

5.50 5.60



#33

Benzene

Concen: 48.456 ug/L

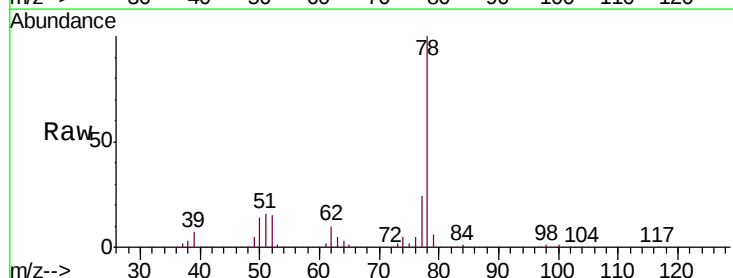
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Tgt Ion: 78 Resp: 891717



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

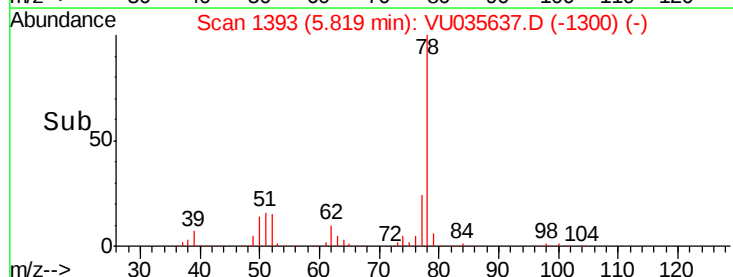
200000

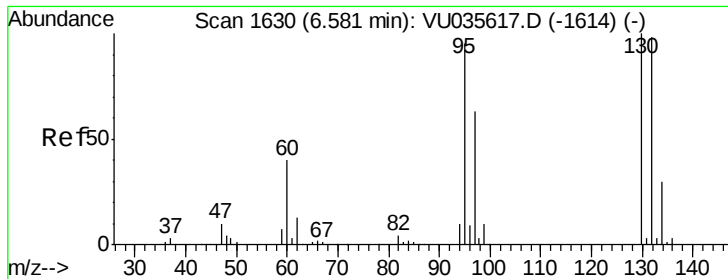
100000

0

Time-->

5.70 5.80 5.90

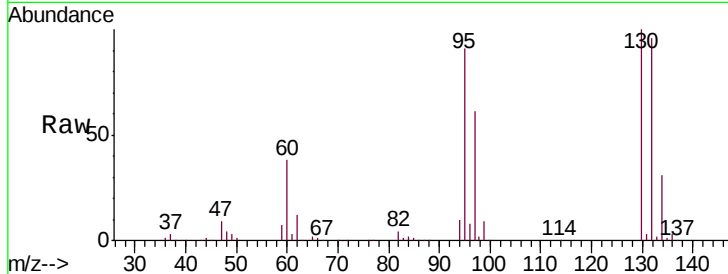




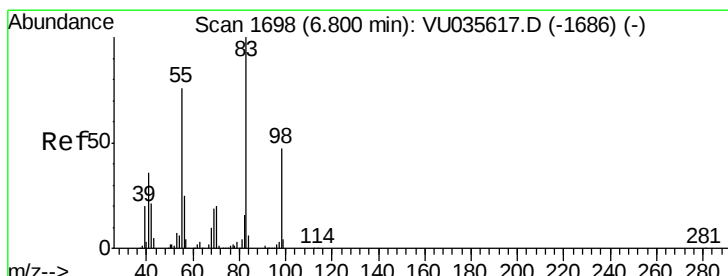
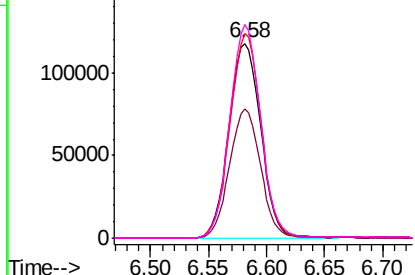
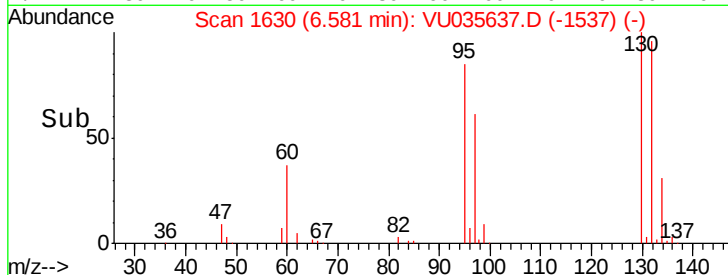
#34
 Trichloroethene
 Concen: 48.330 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion: 95 Resp: 226106
 Ion Ratio Lower Upper
 95 100
 97 66.3 45.6 84.6
 132 105.1 69.9 129.7
 130 109.5 73.1 135.7

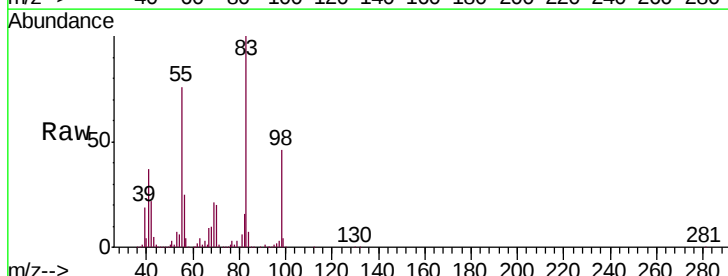


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

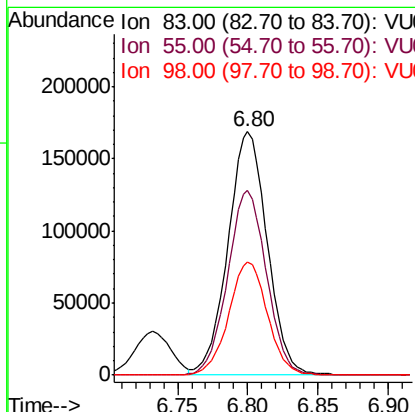
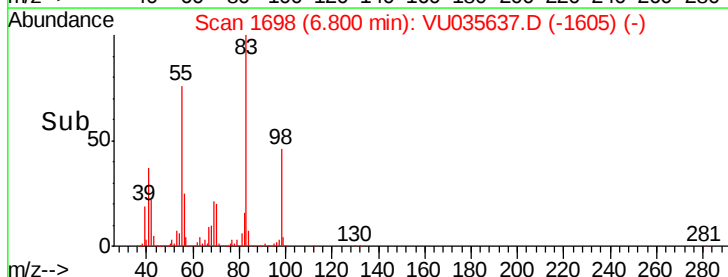


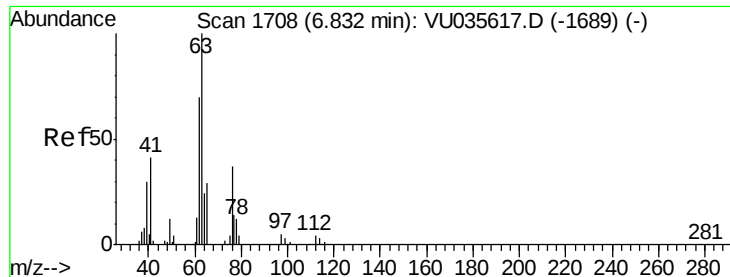
#35
 Methylcyclohexane
 Concen: 48.168 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion: 83 Resp: 327286
 Ion Ratio Lower Upper
 83 100
 55 75.5 61.0 91.4
 98 46.0 36.6 54.8



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: 48.522 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

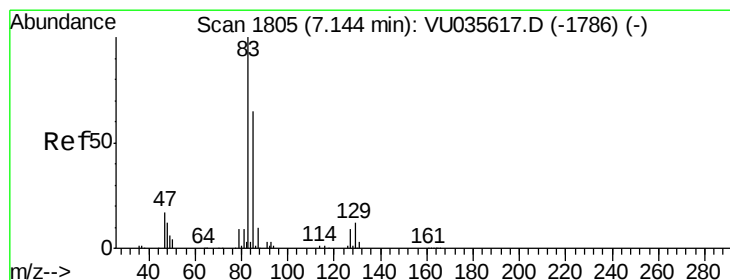
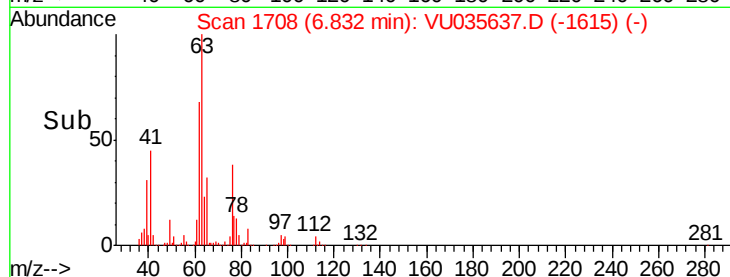
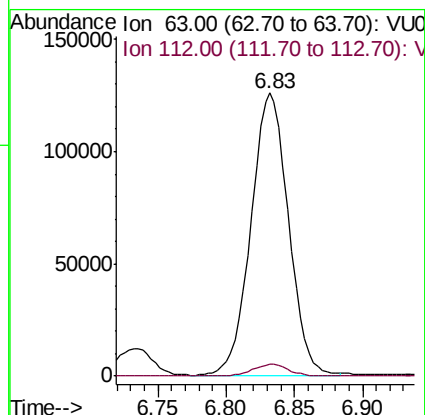
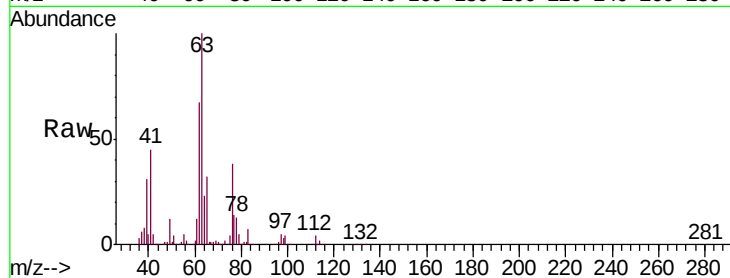
VSTD05037

Tgt Ion: 63 Resp: 239120

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 48.399 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

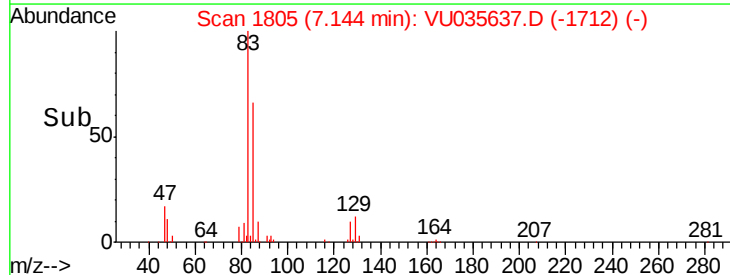
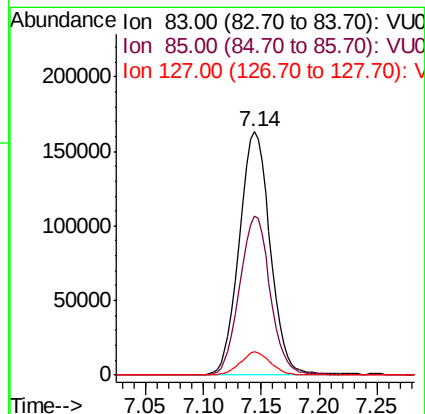
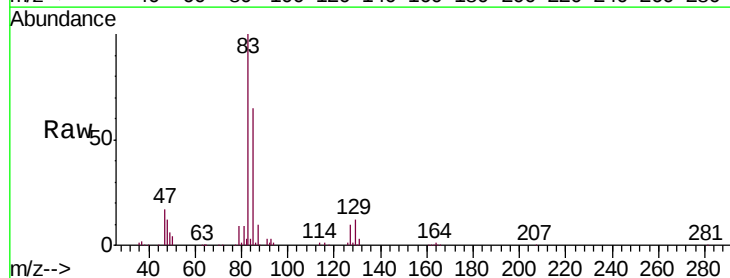
Tgt Ion: 83 Resp: 303171

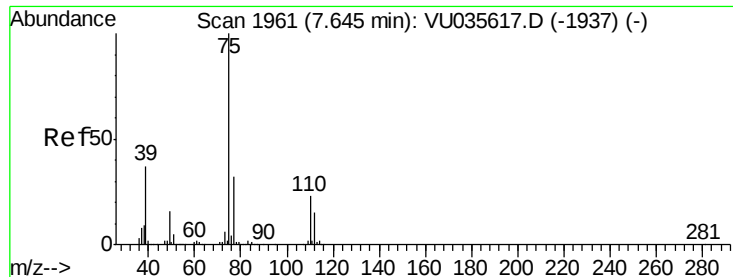
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 9.5 7.2 10.8

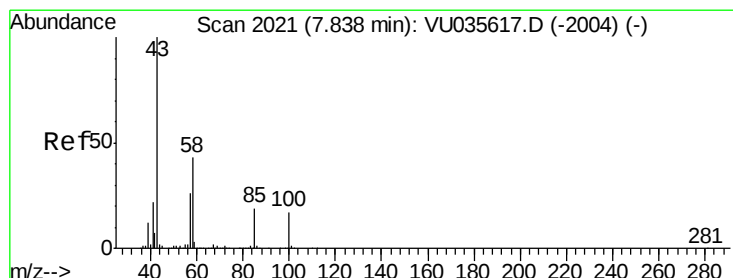
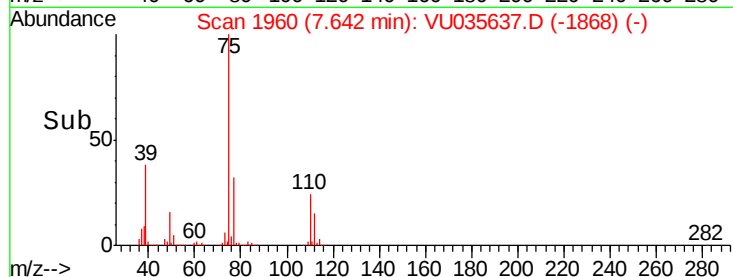
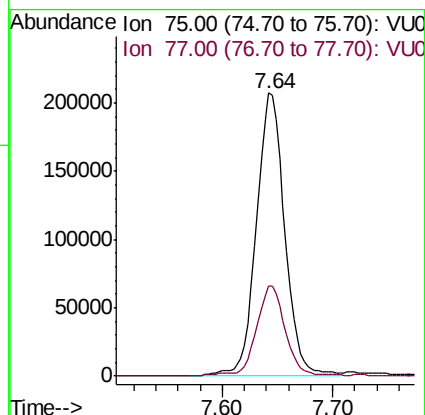
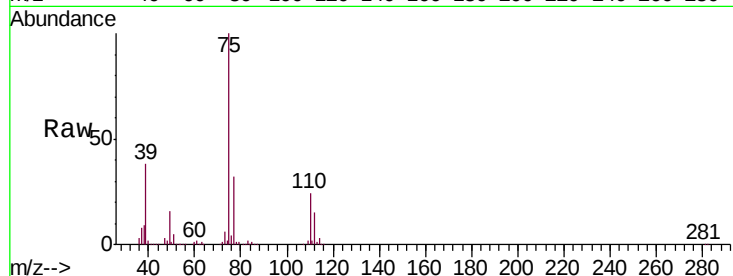




#39
 cis-1,3-Dichloropropene
 Concen: 50.574 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

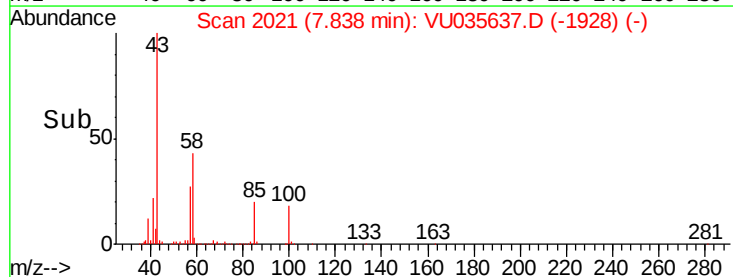
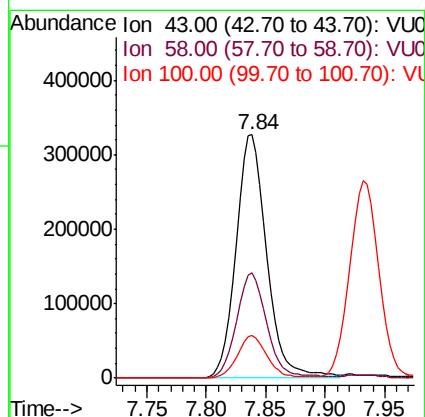
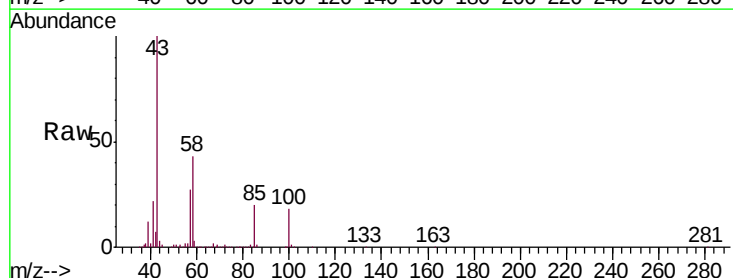
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

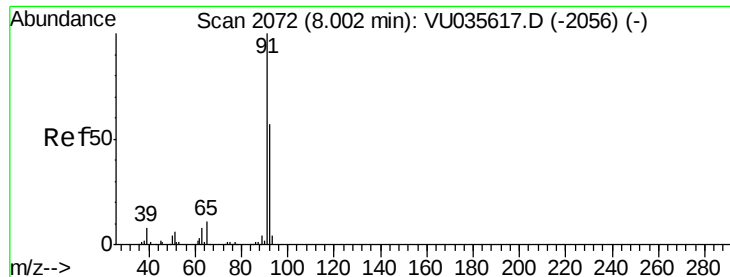
Tgt Ion: 75 Resp: 370451
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 88.842 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion: 43 Resp: 585722
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.6 49.0
 100 17.0 12.6 19.0





#42

Toluene

Concen: 50.232 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

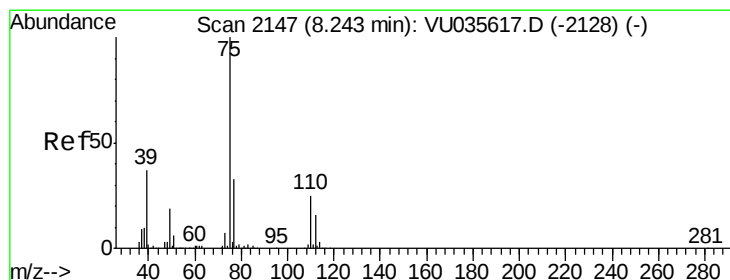
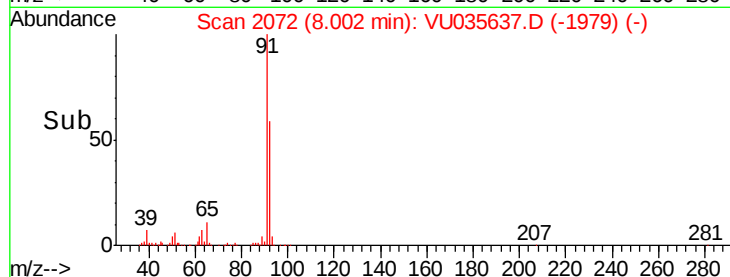
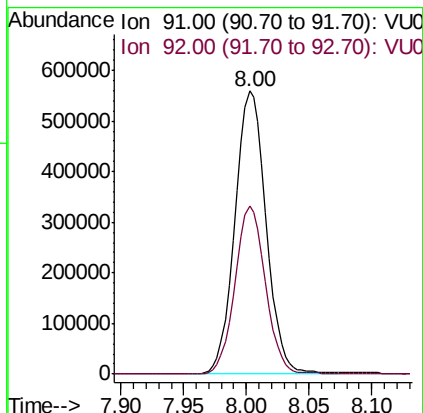
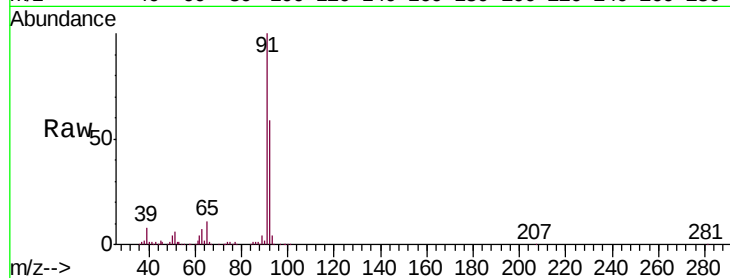
VSTD05037

Tgt Ion: 91 Resp: 968830

Ion Ratio Lower Upper

91 100

92 59.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 49.887 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU035637.D

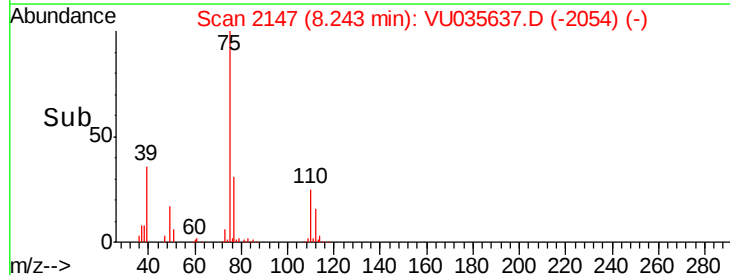
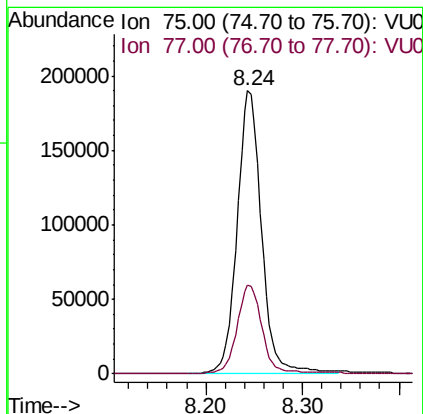
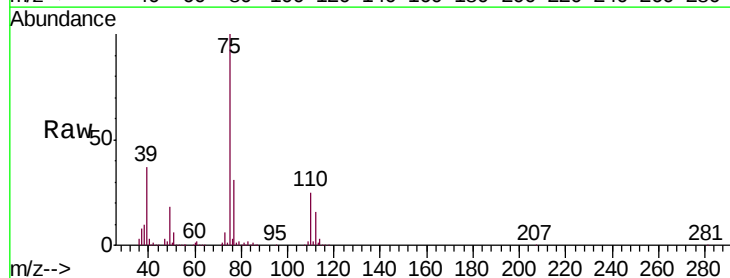
Acq: 06 Nov 2019 08:57

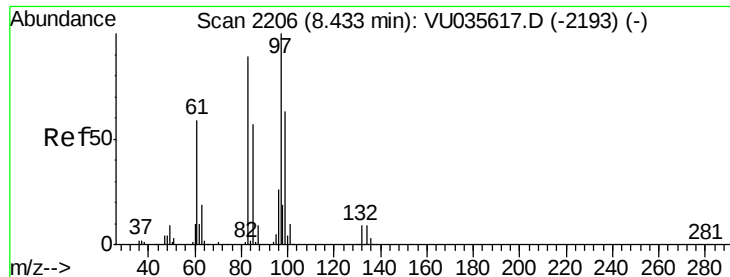
Tgt Ion: 75 Resp: 334961

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1

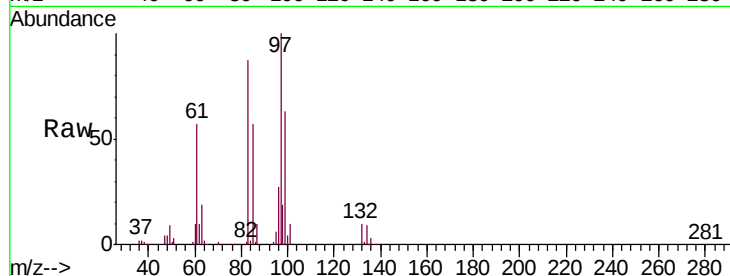




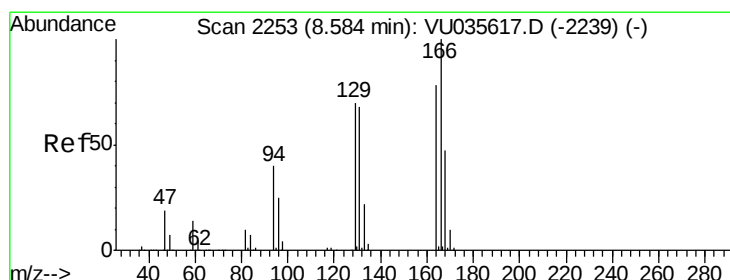
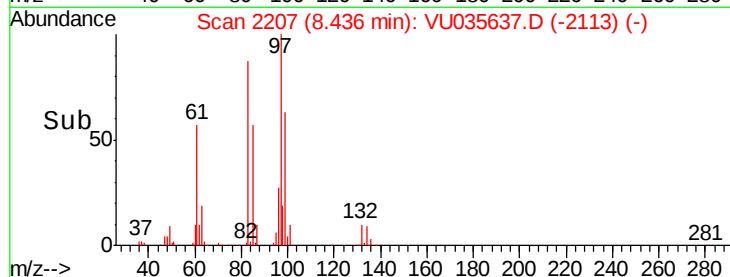
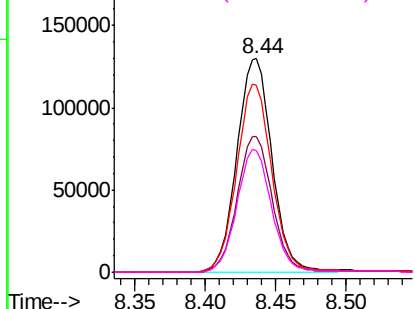
#45
 1,1,2-Trichloroethane
 Concen: 48.198 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	97	Resp:	227663
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.2	82.2
83	87.4	61.5	114.3
85	57.1	39.3	73.1

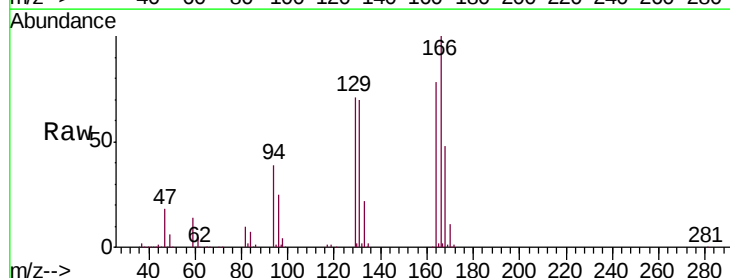


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

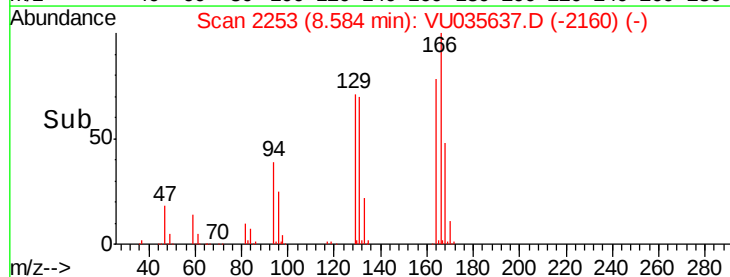
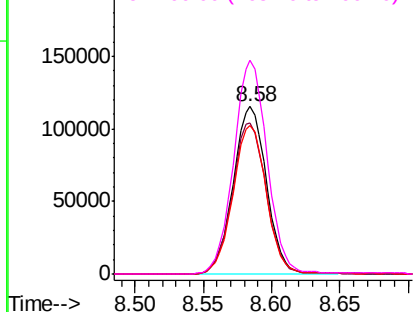


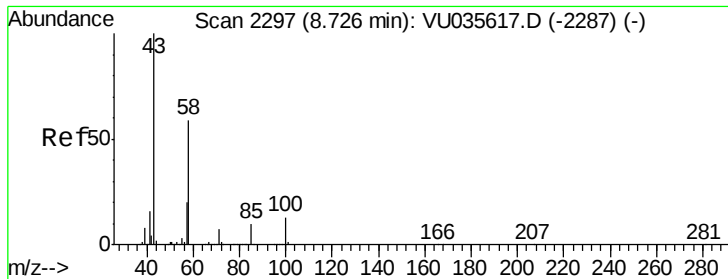
#46
 Tetrachloroethene
 Concen: 49.968 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion:	164	Resp:	195471
Ion	Ratio	Lower	Upper
164	100		
129	90.5	64.1	119.1
131	88.8	63.1	117.1
166	127.6	88.5	164.3



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

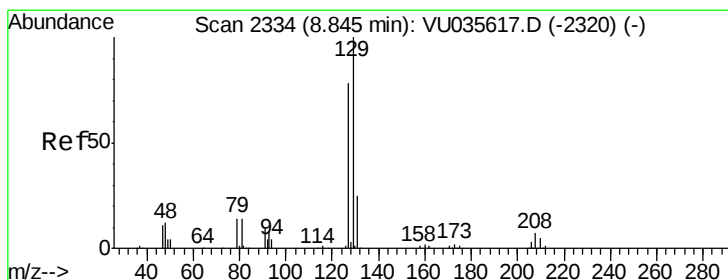
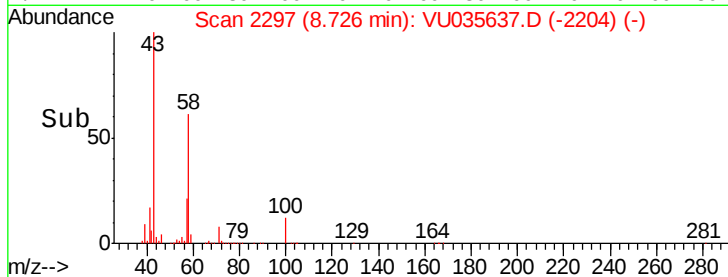
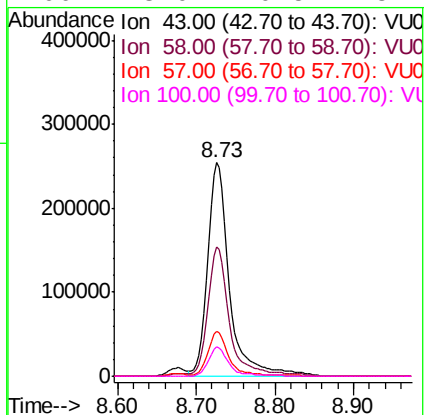
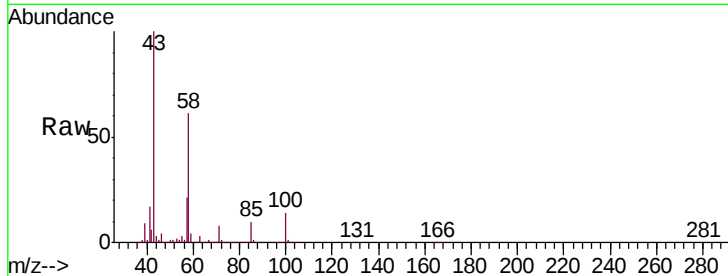




#48
2-Hexanone
Concen: 90.792 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

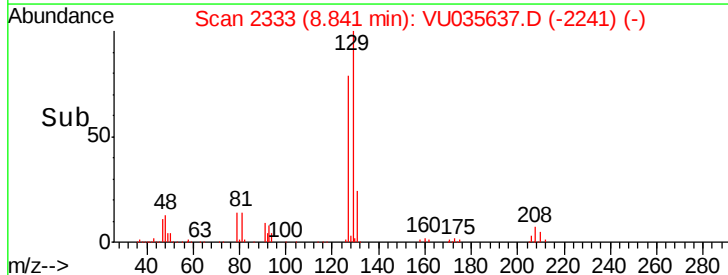
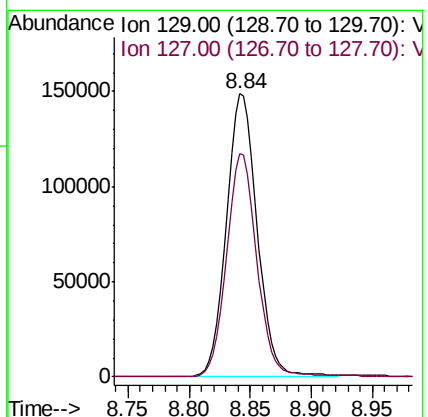
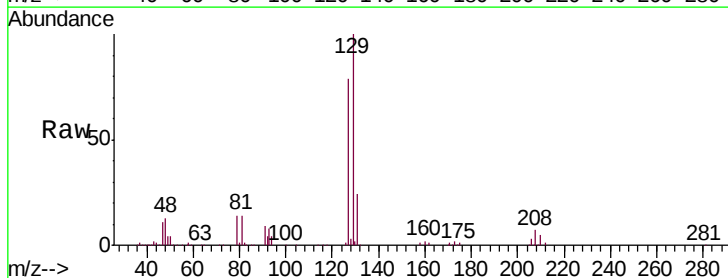
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

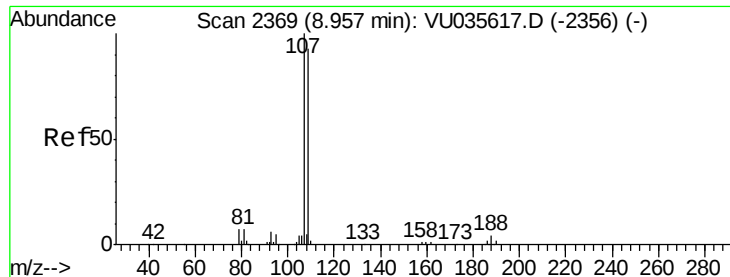
Tgt Ion:	43	Resp:	486767
Ion	Ratio	Lower	Upper
43	100		
58	60.2	50.4	75.6
57	18.5	17.4	26.0
100	13.0	10.5	15.7



#49
Dibromochloromethane
Concen: 49.501 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

Tgt Ion:	129	Resp:	263684
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.9	101.9

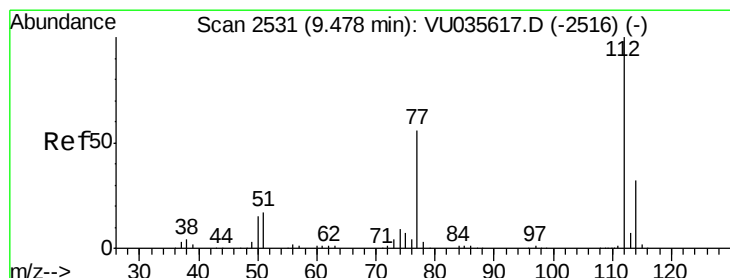
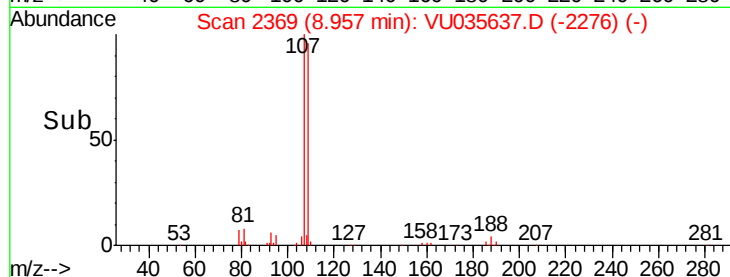
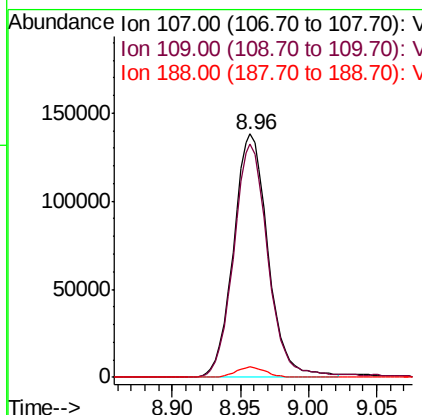
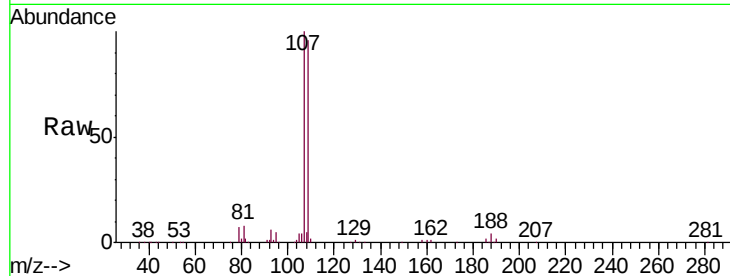




#50
1,2-Dibromoethane
Concen: 48.281 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

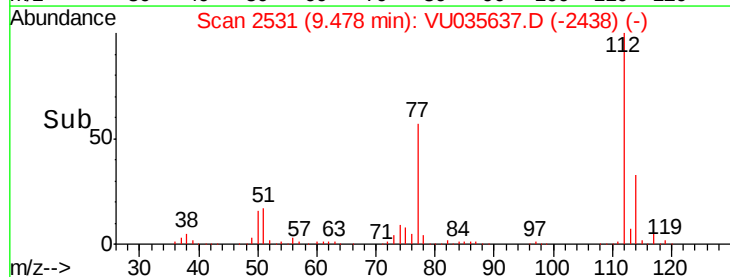
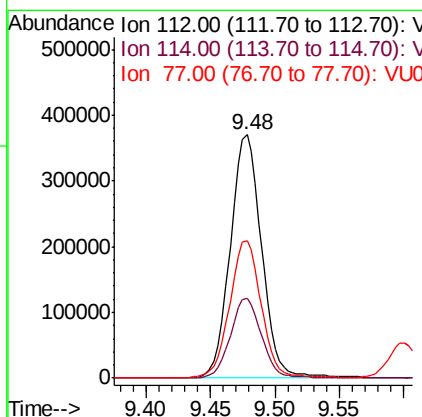
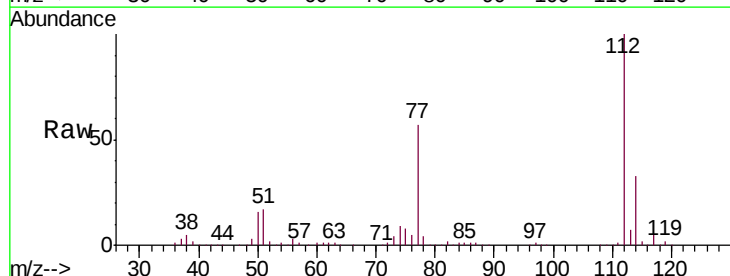
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

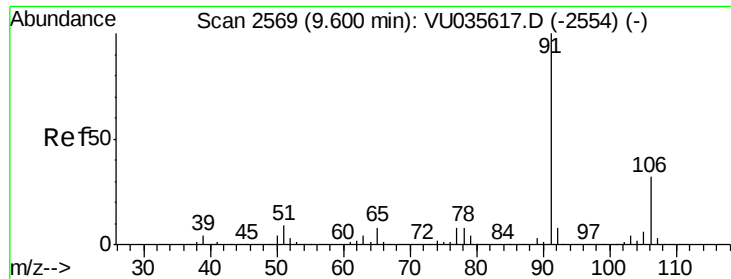
Tgt Ion:107 Resp: 243320
Ion Ratio Lower Upper
107 100
109 96.0 66.8 124.2
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 48.593 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035637.D
Acq: 06 Nov 2019 08:57

Tgt Ion:112 Resp: 625675
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.3
77 56.7 45.9 68.9





#52

Ethylbenzene

Concen: 50.123 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

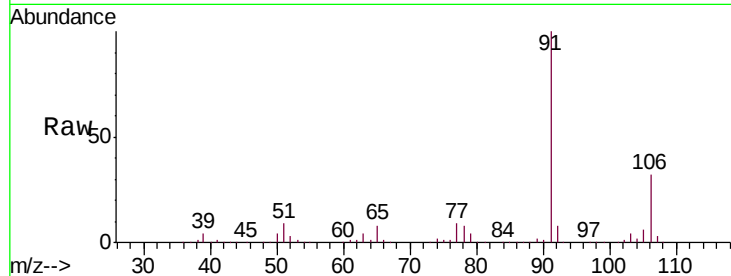
VSTD05037

Tgt Ion: 91 Resp: 1033503

Ion Ratio Lower Upper

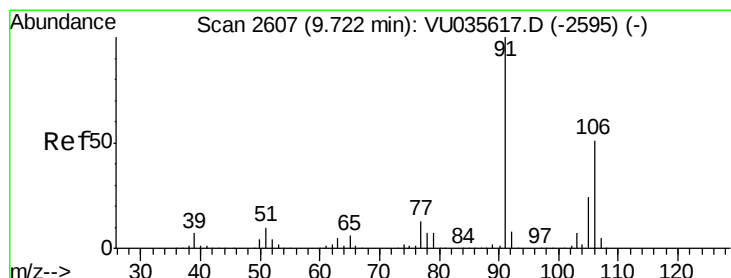
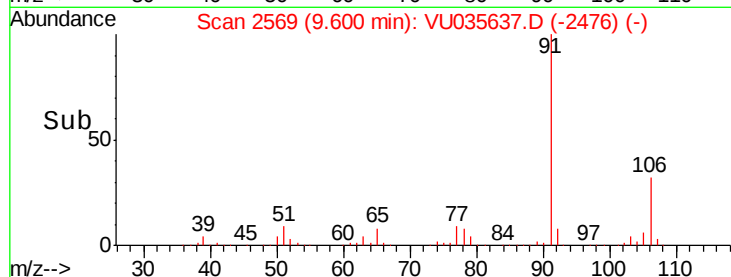
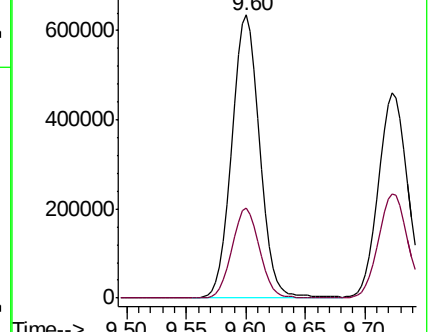
91 100

106 31.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035617.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU035617.D (-2554) (-)



#53

m,p-Xylene

Concen: 52.715 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035637.D

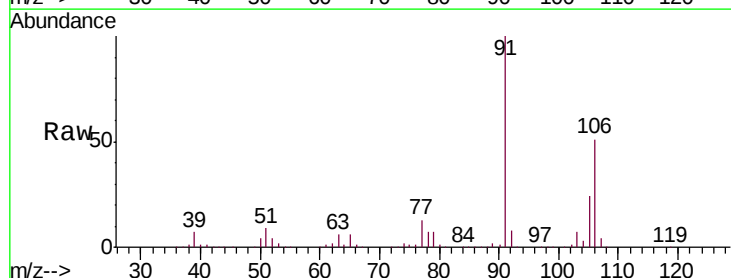
Acq: 06 Nov 2019 08:57

Tgt Ion: 106 Resp: 407863

Ion Ratio Lower Upper

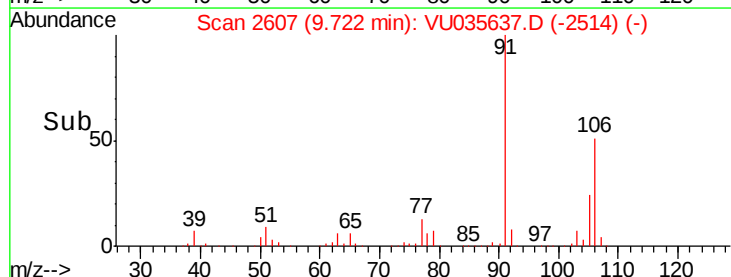
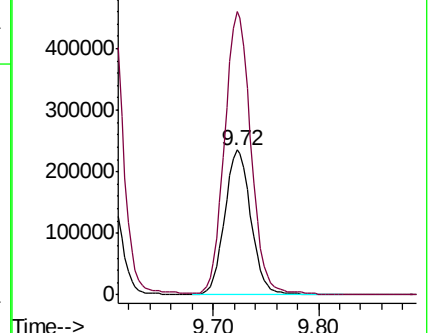
106 100

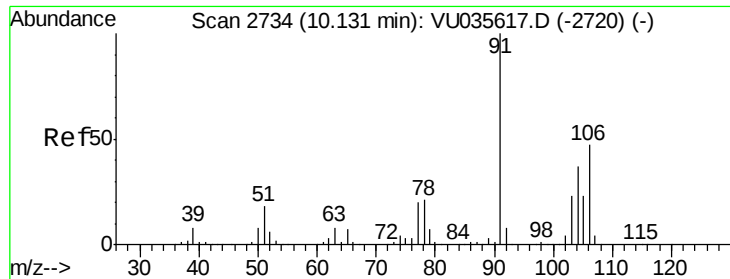
91 195.5 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035617.D (-2595) (-)

Ion 91.00 (90.70 to 91.70): VU035617.D (-2595) (-)





#54

o-xylene

Concen: 51.834 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

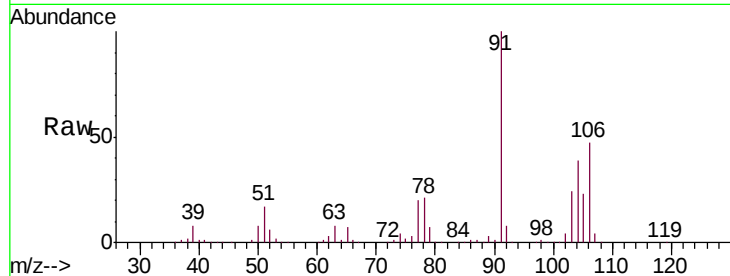
VSTD05037

Tgt Ion:106 Resp: 391977

Ion Ratio Lower Upper

106 100

91 214.4 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

500000

400000

300000

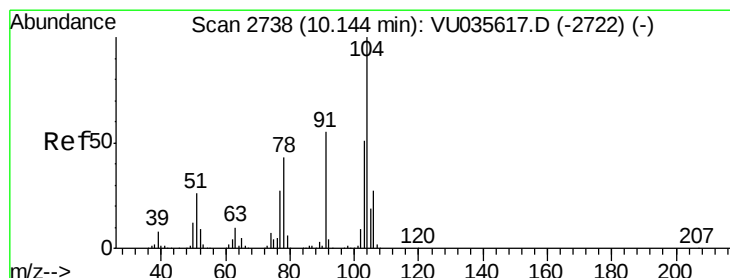
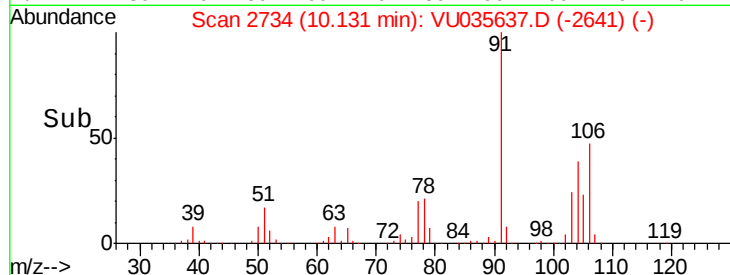
200000

100000

0

10.10 10.13 10.20

Time-->



#55

Styrene

Concen: 52.265 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035637.D

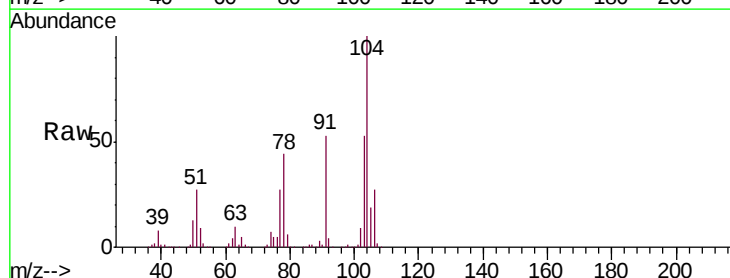
Acq: 06 Nov 2019 08:57

Tgt Ion:104 Resp: 655925

Ion Ratio Lower Upper

104 100

78 44.4 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

400000

300000

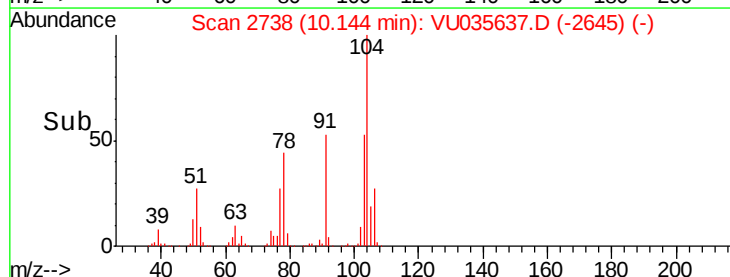
200000

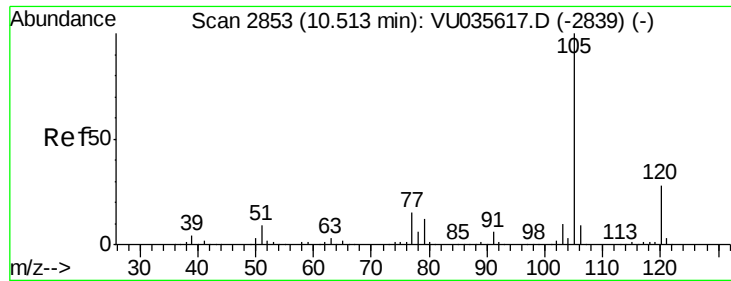
100000

0

10.10 10.14 10.20

Time-->





#56

Isopropylbenzene

Concen: 52.472 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

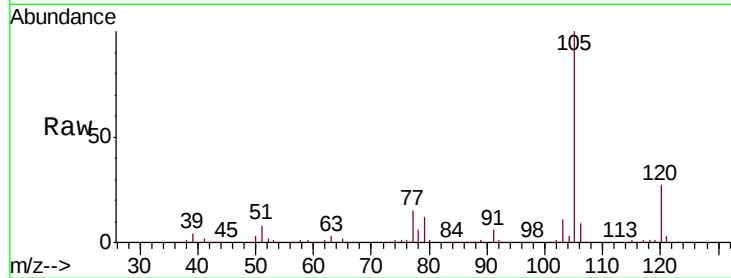
Tgt Ion: 105 Resp: 997138

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

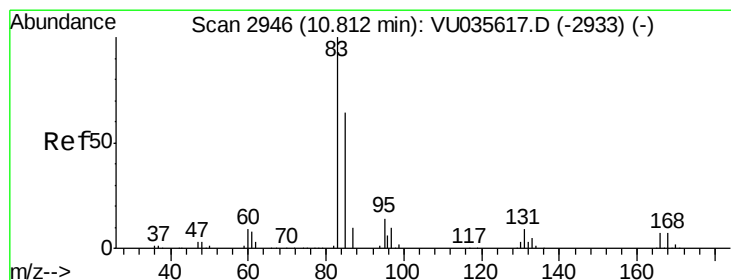
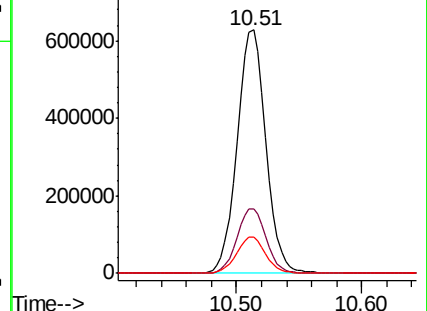
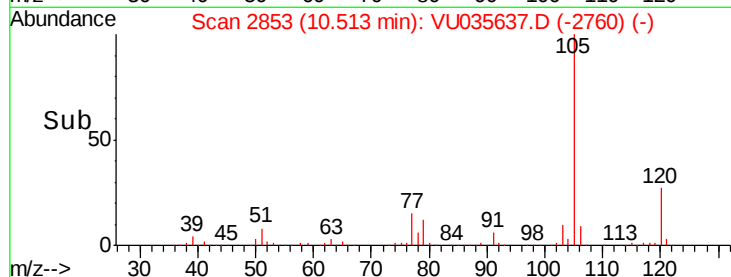
77 15.0 12.2 18.4



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: 47.344 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

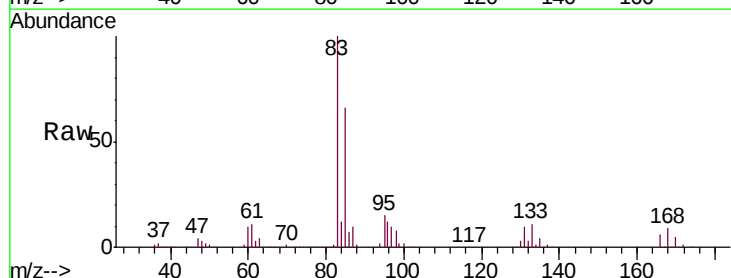
Tgt Ion: 83 Resp: 385199

Ion Ratio Lower Upper

83 100

85 66.1 44.6 82.8

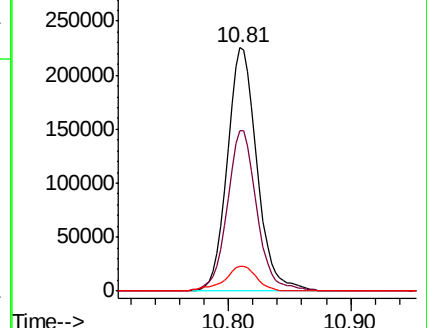
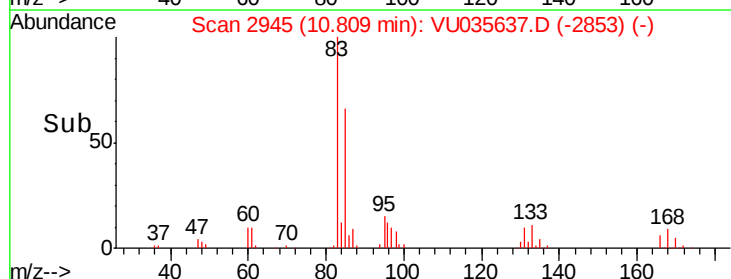
131 10.3 8.2 12.4

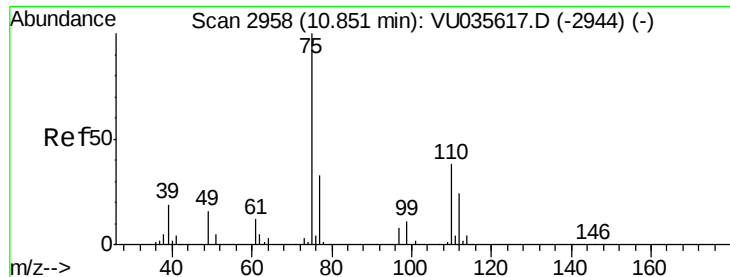


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

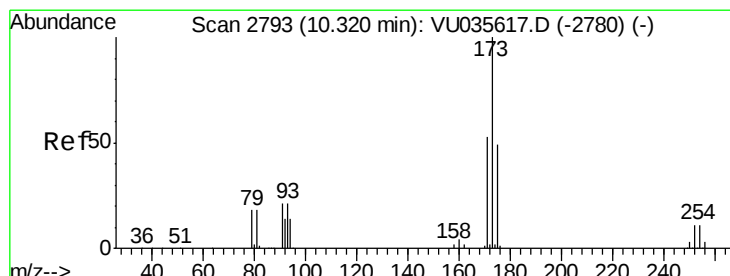
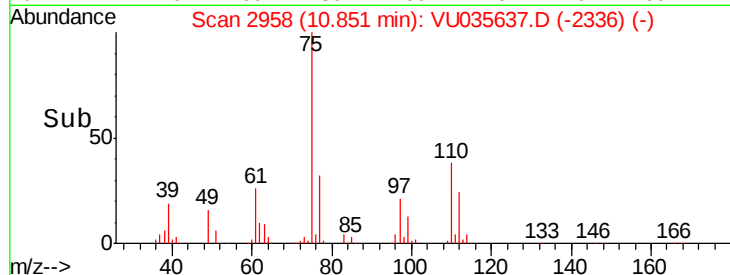
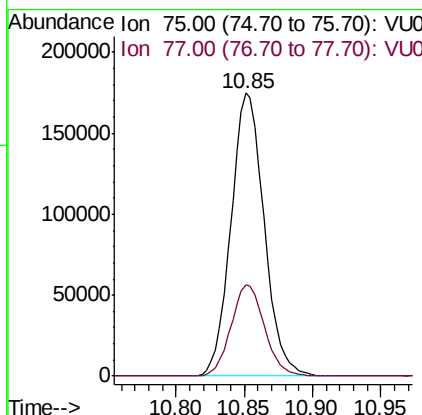
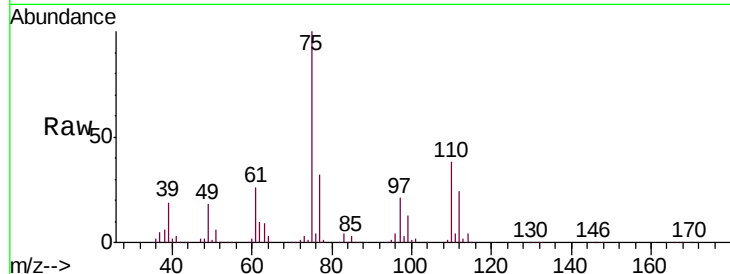




#59
 1,2,3-Trichloropropane
 Concen: 45.956 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

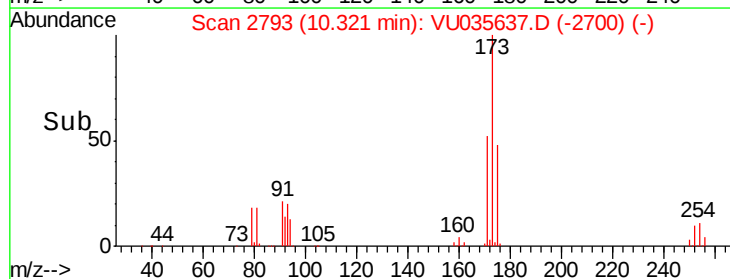
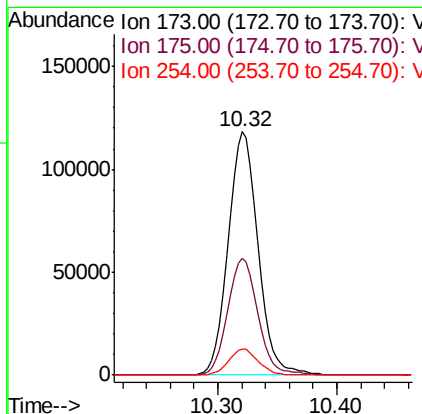
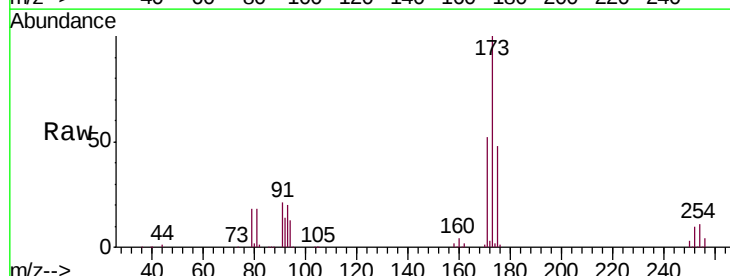
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

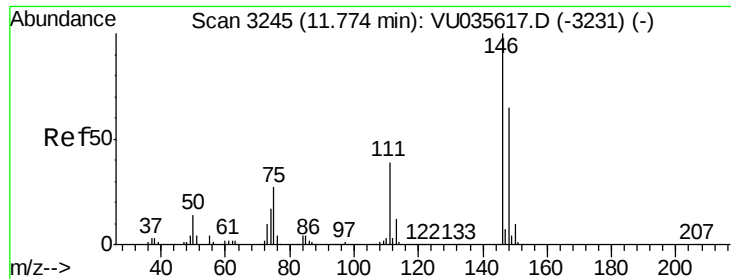
Tgt Ion: 75 Resp: 295299
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#61
 Bromoform
 Concen: 44.740 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion: 173 Resp: 205661
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.4 59.0
 254 10.6 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 48.550 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

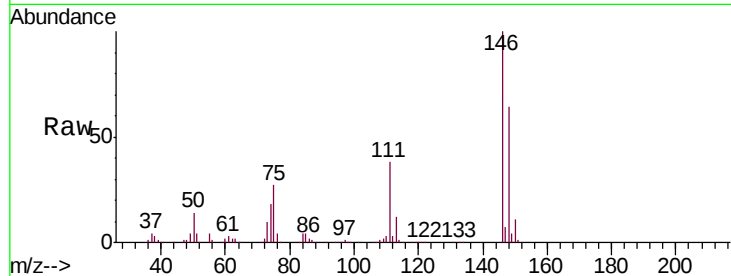
Tgt Ion:146 Resp: 461481

Ion Ratio Lower Upper

146 100

111 38.0 27.8 51.6

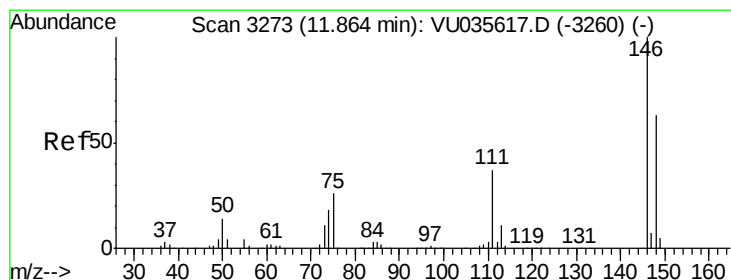
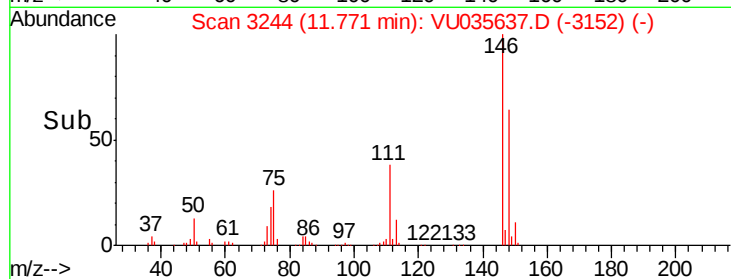
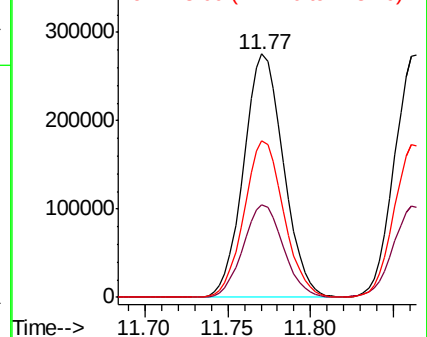
148 64.5 44.5 82.7



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: 47.352 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

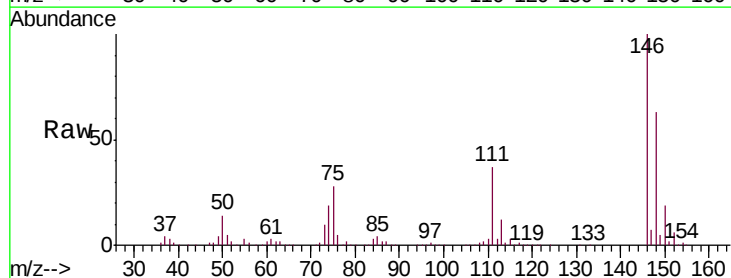
Tgt Ion:146 Resp: 457240

Ion Ratio Lower Upper

146 100

111 37.0 26.5 49.1

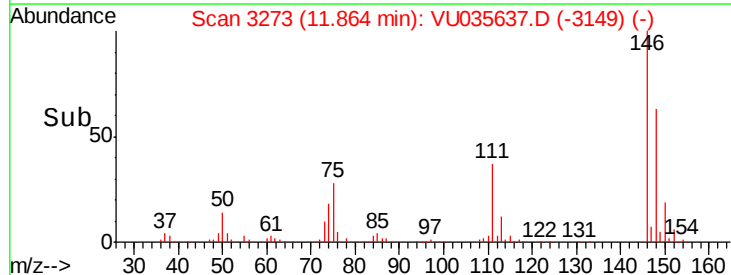
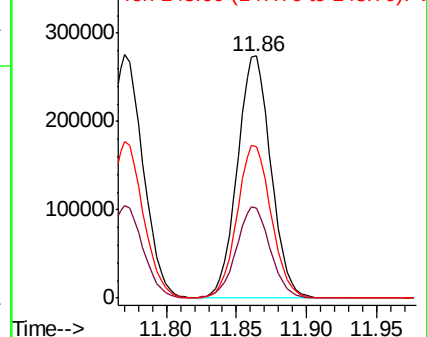
148 62.7 44.4 82.5

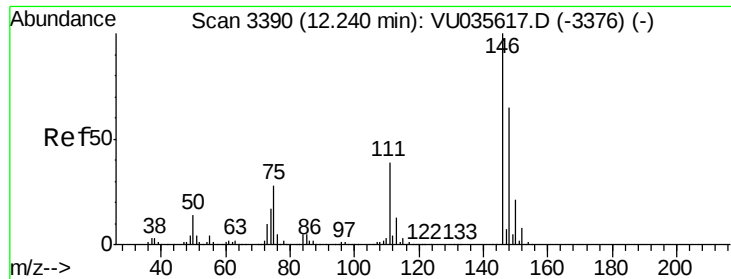


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

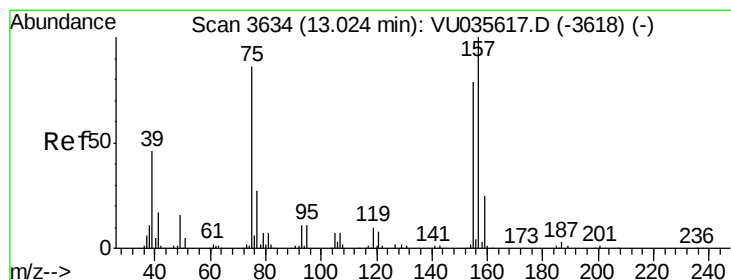
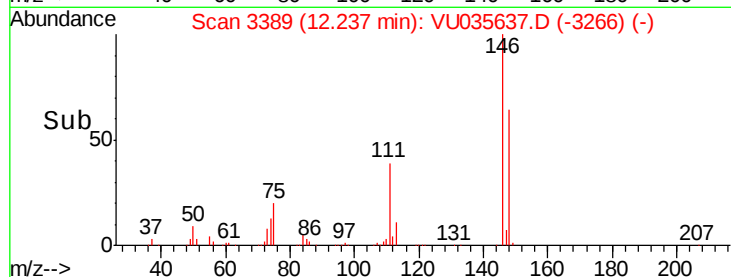
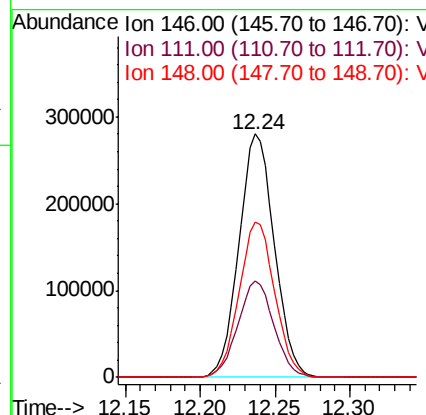
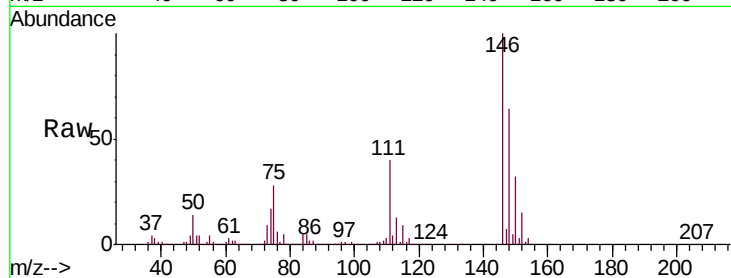




#65
 1,2-Dichlorobenzene
 Concen: 47.808 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

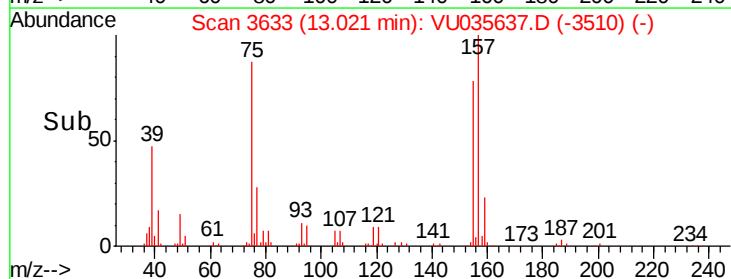
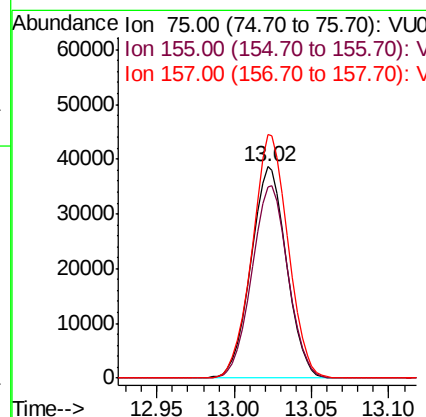
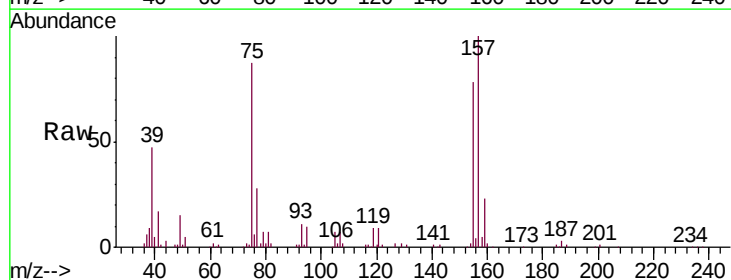
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

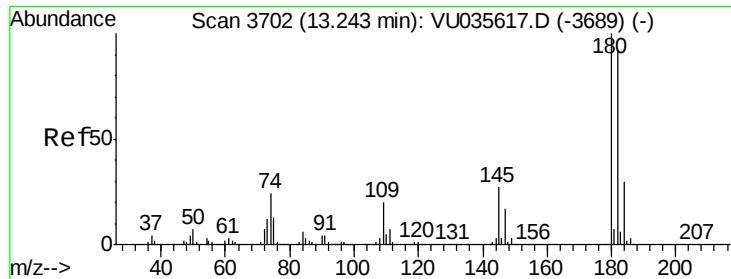
Tgt Ion: 146 Resp: 462637
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.4 48.6
 148 63.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.280 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion: 75 Resp: 61935
 Ion Ratio Lower Upper
 75 100
 155 90.3 72.2 108.4
 157 115.1 92.1 138.1

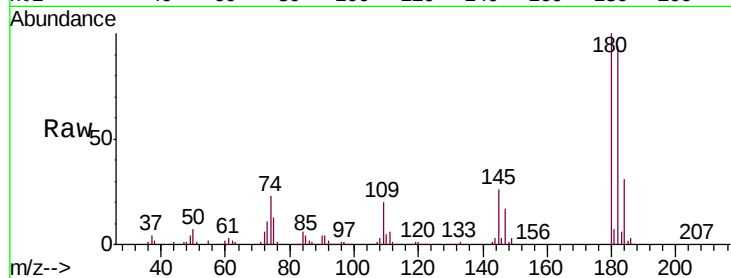




#67
 1,3,5-Trichlorobenzene
 Concen: 48.120 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	180	Resp:	264248
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.4
184	30.8	24.6	36.8
145	27.0	21.7	32.5



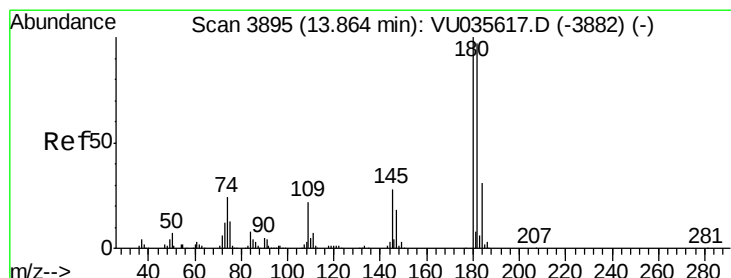
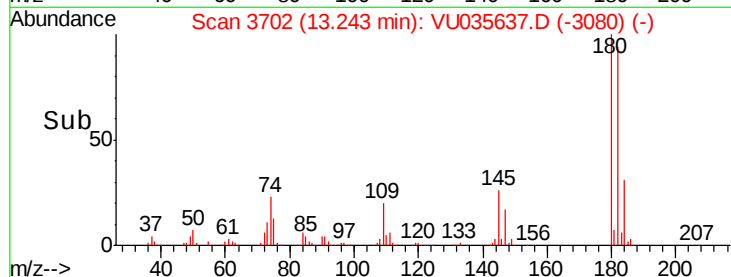
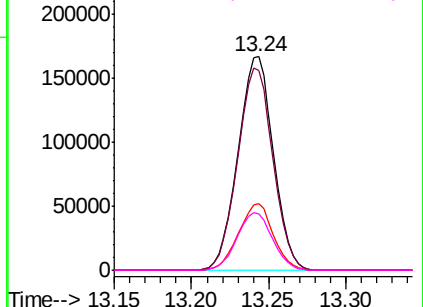
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

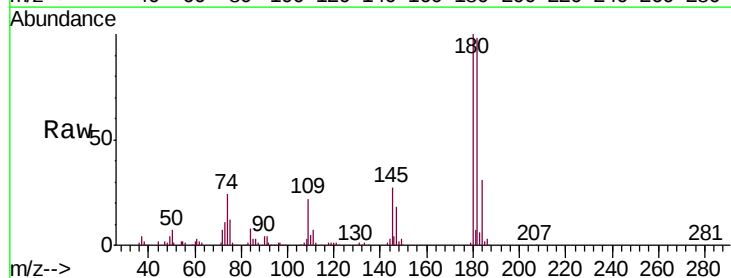
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 38.791 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035637.D
 Acq: 06 Nov 2019 08:57

Tgt Ion:	180	Resp:	142695
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	28.0	21.9	32.9

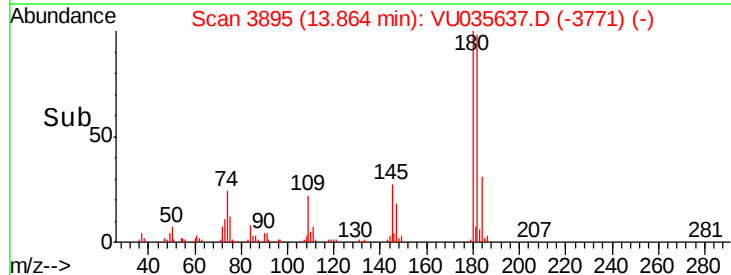
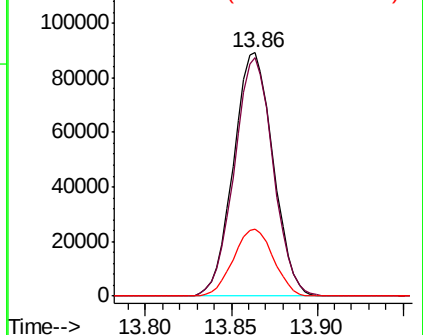


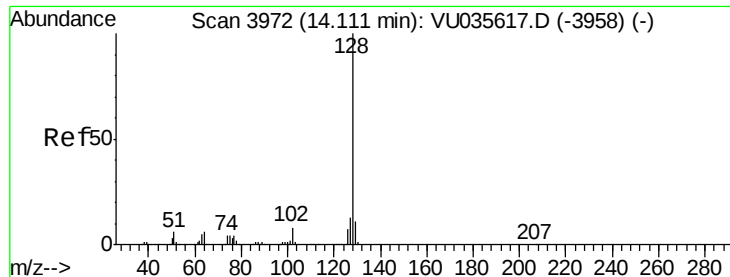
Abundance

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





#69

Naphthalene

Concen: 31.639 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

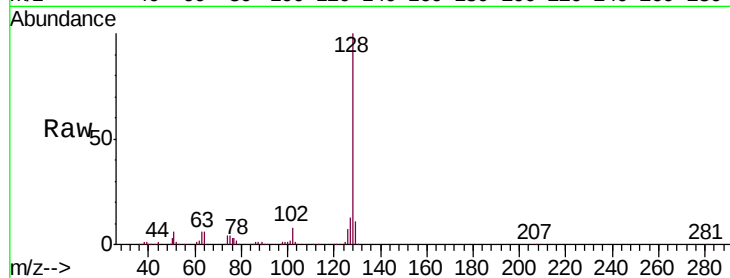
Tgt Ion:128 Resp: 298522

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

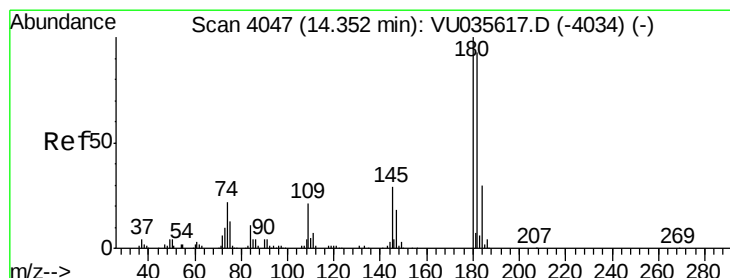
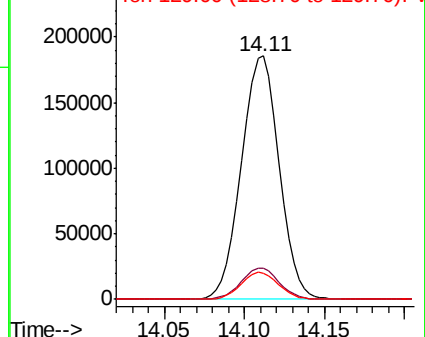
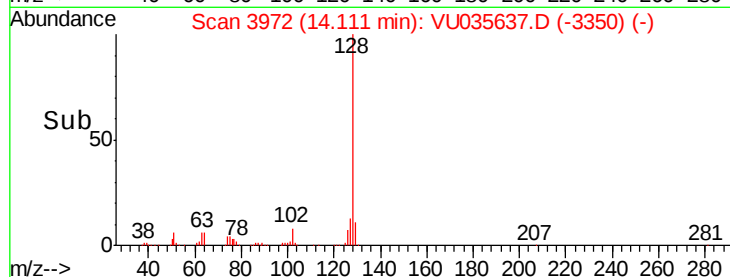
129 11.0 8.5 12.7



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: 37.161 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035637.D

Acq: 06 Nov 2019 08:57

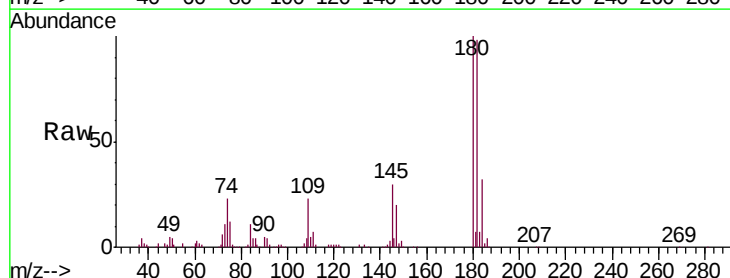
Tgt Ion:180 Resp: 147285

Ion Ratio Lower Upper

180 100

182 97.4 77.6 116.4

145 29.7 23.4 35.0



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

