

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110519\
 Data File : VU035617.D
 Acq On : 05 Nov 2019 09:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: Nov 06 03:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 04 11:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	706265	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	687857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	312763	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	236119	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.78%
7) Chloroethane-d5	1.93	69	203484	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.34%
11) 1,1-Dichloroethene-d2	2.60	63	393863	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.80%
21) 2-Butanone-d5	4.69	46	323065	96.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.96%
24) Chloroform-d	5.11	84	419878	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.75	65	249998	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.77	84	849931	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.73	67	278931	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.93	98	813203	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	8.21	79	132989	49.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.30%
47) 2-Hexanone-d5	8.68	63	224631	100.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	395164	47.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.58%
64) 1,2-Dichlorobenzene-d4	12.22	152	292199	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	268122	48.679	ug/L 99
3) Chloromethane	1.54	50	293194	48.843	ug/L 100
5) Vinyl chloride	1.62	62	305232	47.258	ug/L 100
6) Bromomethane	1.87	94	157655	48.191	ug/L 99
8) Chloroethane	1.95	64	177354	47.212	ug/L 98
9) Trichlorofluoromethane	2.16	101	375361	49.061	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	221051	50.326	ug/L 99
12) 1,1-Dichloroethene	2.61	96	205247	47.574	ug/L 97
13) Acetone	2.66	43	357264	121.867	ug/L 99
14) Carbon disulfide	2.82	76	595609	44.810	ug/L 99
15) Methyl Acetate	2.99	43	251209	47.310	ug/L 98
16) Methylene chloride	3.08	84	249749	47.444	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	217013	47.765	ug/L 97
18) Methyl tert-butyl Ether	3.42	73	689163	50.172	ug/L 99
19) 1,1-Dichloroethane	3.92	63	424915	48.484	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	249330	48.655	ug/L 95
22) 2-Butanone	4.77	43	411990	106.460	ug/L 97

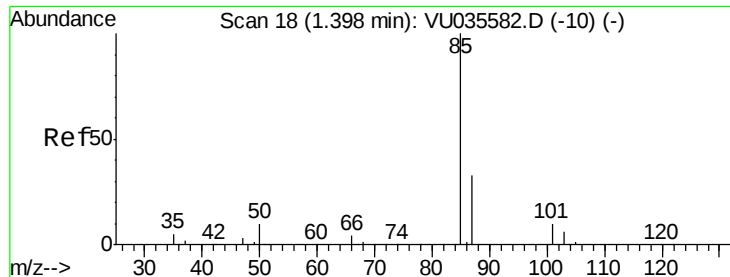
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110519\
 Data File : VU035617.D
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 04 11:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	134073	49.512	ug/L	99
25) Chloroform	5.14	83	431734	48.505	ug/L	99
27) 1,2-Dichloroethane	5.84	62	317203	48.779	ug/L	99
29) Cyclohexane	5.43	56	347594	49.543	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	363030	50.213	ug/L	99
31) Carbon tetrachloride	5.57	117	322363	50.146	ug/L	99
33) Benzene	5.82	78	951154	49.202	ug/L	100
34) Trichloroethene	6.58	95	236631	48.148	ug/L	98
35) Methylcyclohexane	6.80	83	348799	48.867	ug/L	99
37) 1,2-Dichloropropane	6.83	63	257351	49.711	ug/L	100
38) Bromodichloromethane	7.14	83	322475	49.006	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	395650	51.417	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	659704	95.253	ug/L	98
42) Toluene	8.00	91	1041659	51.411	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	356190	50.499	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	242923	48.956	ug/L	99
46) Tetrachloroethene	8.58	164	208186	50.660	ug/L	98
48) 2-Hexanone	8.73	43	551760	97.967	ug/L	92
49) Dibromochloromethane	8.84	129	281928	50.382	ug/L	100
50) 1,2-Dibromoethane	8.96	107	265793	50.205	ug/L	98
51) Chlorobenzene	9.48	112	671037	49.610	ug/L	99
52) Ethylbenzene	9.60	91	1092587	50.442	ug/L	98
53) m,p-Xylene	9.72	106	425498	52.351	ug/L	95
54) o-xylene	10.13	106	417111	52.506	ug/L	100
55) Styrene	10.14	104	697571	52.911	ug/L	97
56) Isopropylbenzene	10.51	105	1045222	52.358	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	419657	49.100	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	328327	48.640	ug/L	99
61) Bromoform	10.32	173	222091	46.545	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	473109	47.950	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	464022	46.294	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	472804	47.069	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	69683	44.743	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	250069	43.870	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	139382	36.503	ug/L	99
69) Naphthalene	14.11	128	329899	33.684	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	154115	37.460	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 48.679 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

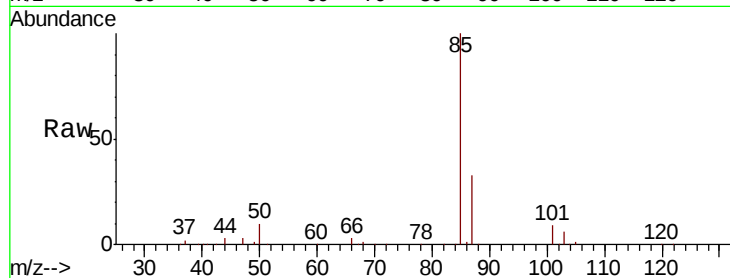
VSTD05035

Tot Ion: 85 Resp: 268122

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU035582.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035582.D (-10) (-)

1.40

250000

200000

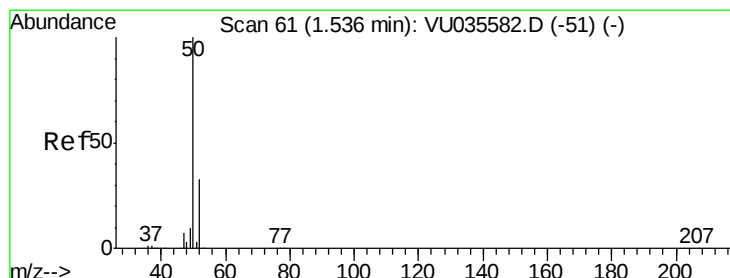
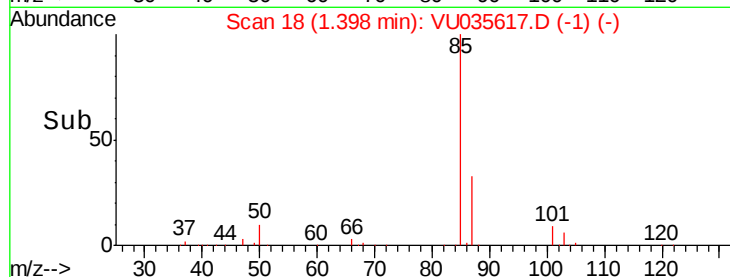
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.843 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035617.D

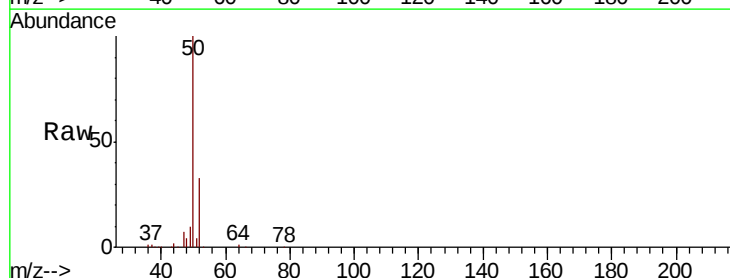
Acq: 05 Nov 2019 09:29

Tgt Ion: 50 Resp: 293194

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU035582.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035582.D (-51) (-)

1.54

300000

250000

200000

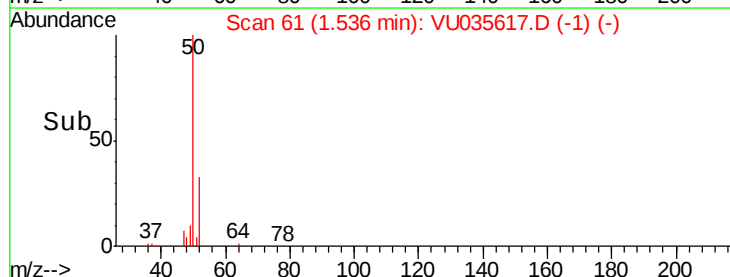
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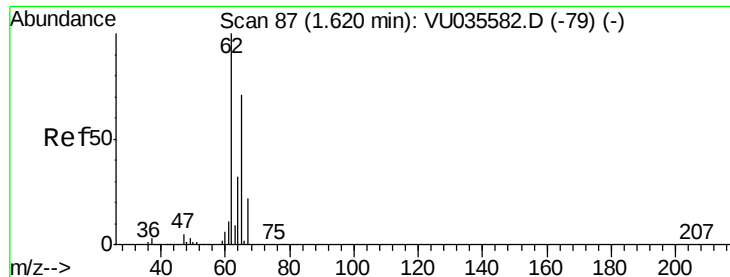
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.258 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

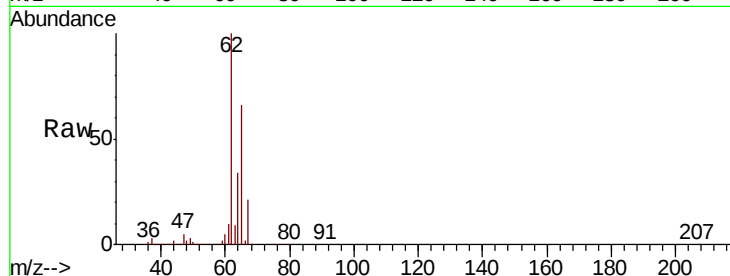
VSTD05035

Tot Ion: 62 Resp: 305232

Ion Ratio Lower Upper

62 100

64 33.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035582.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035582.D (-79) (-)

1.62

300000

250000

200000

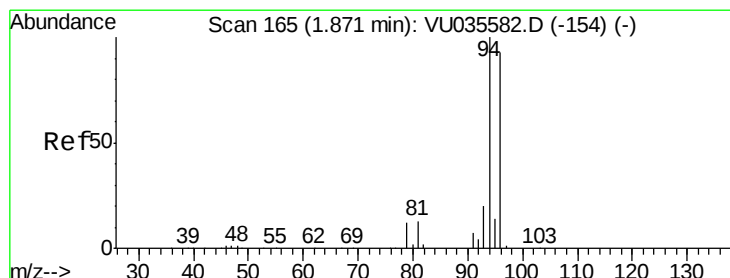
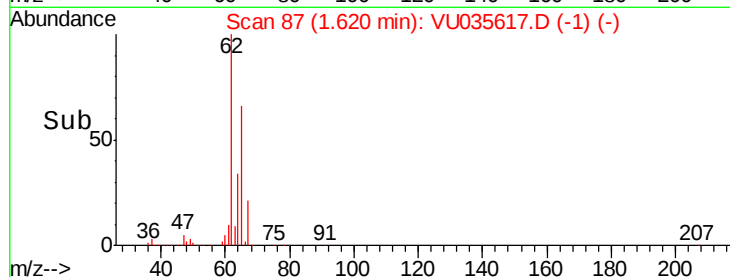
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 48.191 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035617.D

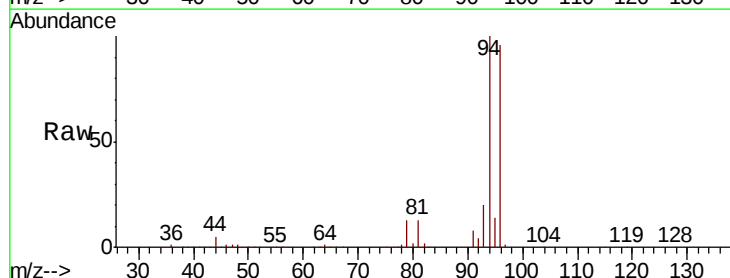
Acq: 05 Nov 2019 09:29

Tgt Ion: 94 Resp: 157655

Ion Ratio Lower Upper

94 100

96 95.8 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035582.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU035582.D (-154) (-)

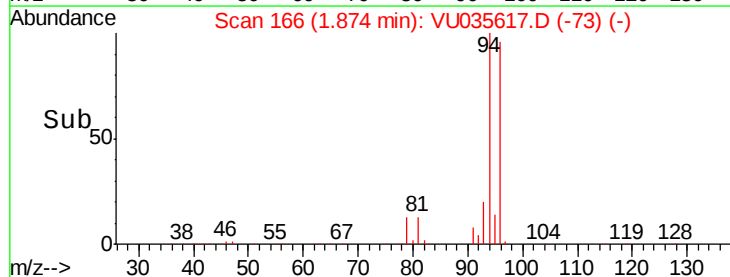
1.87

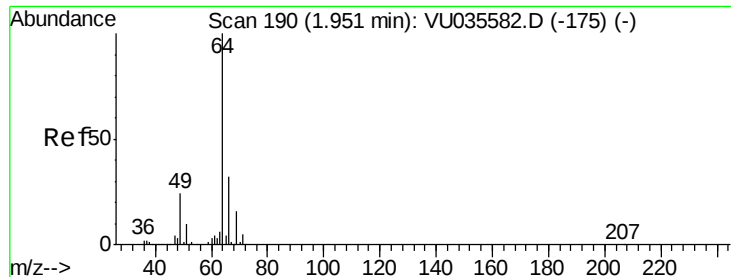
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 47.212 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

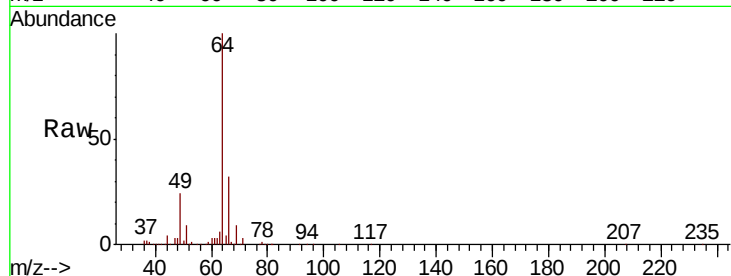
VSTD05035

Tot Ion: 64 Resp: 177354

Ion Ratio Lower Upper

64 100

66 31.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VU035582.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU035582.D (-175) (-)

1.95

150000

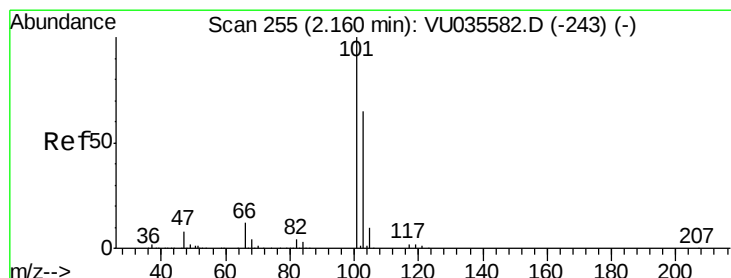
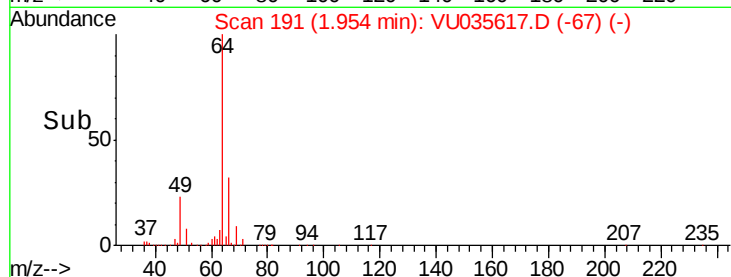
100000

50000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 49.061 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035617.D

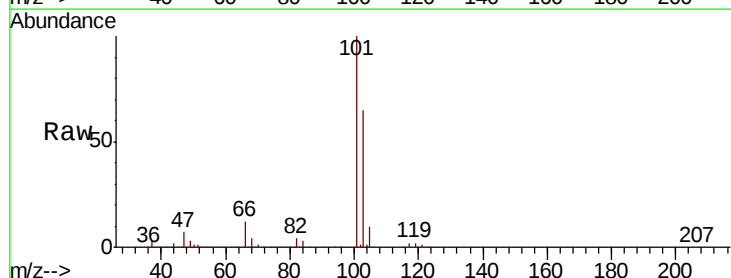
Acq: 05 Nov 2019 09:29

Tgt Ion:101 Resp: 375361

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035582.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035582.D (-243) (-)

2.16

300000

250000

200000

150000

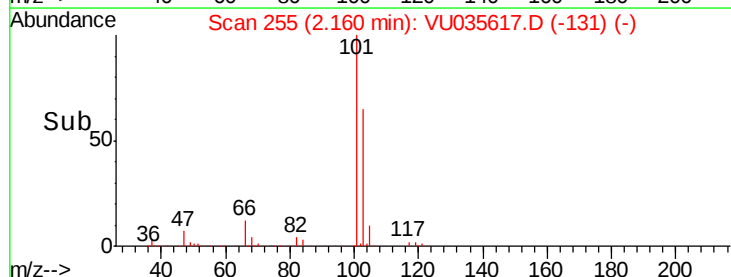
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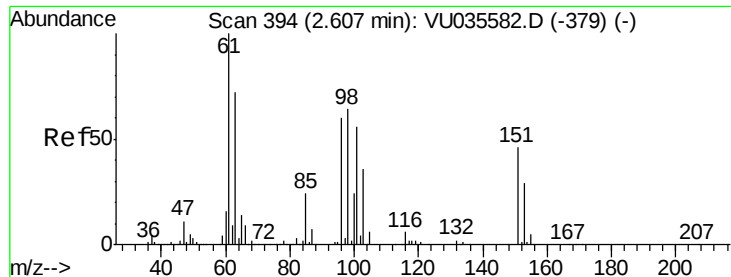
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 50.326 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

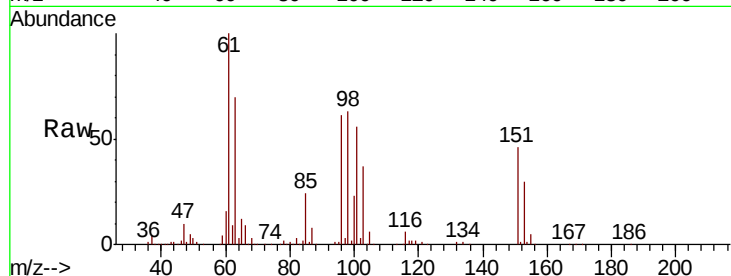
Tot Ion:101 Resp: 221051

Ion Ratio Lower Upper

101 100

85 42.4 34.0 51.0

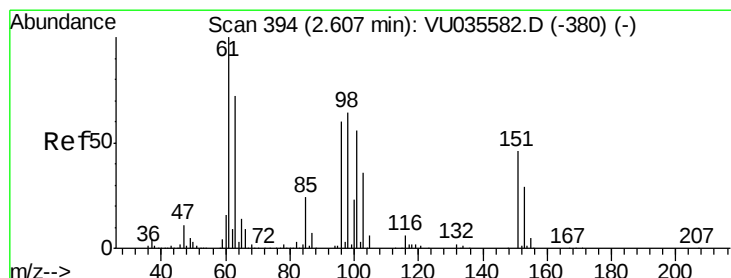
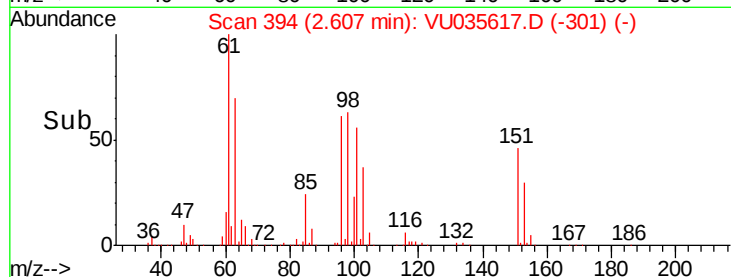
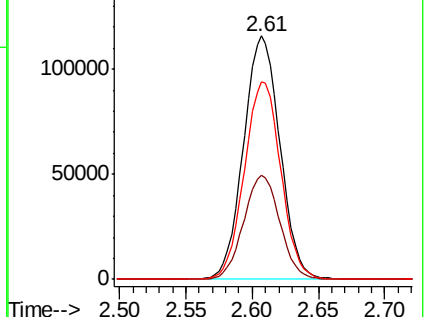
151 81.2 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VU035582.D (-379) (-)

Ion 85.00 (84.70 to 85.70): VU035582.D (-379) (-)

Ion 151.00 (150.70 to 151.70): VU035582.D (-379) (-)



#12

1,1-Dichloroethene

Concen: 47.574 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

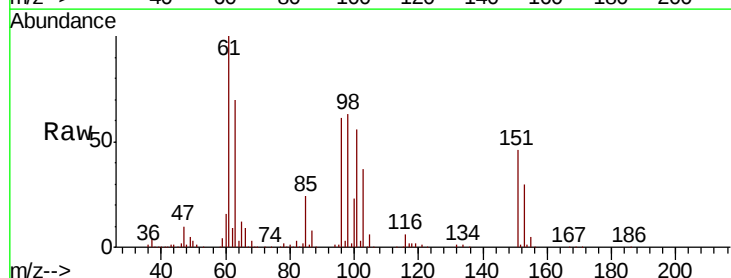
Tgt Ion: 96 Resp: 205247

Ion Ratio Lower Upper

96 100

61 163.9 113.1 210.1

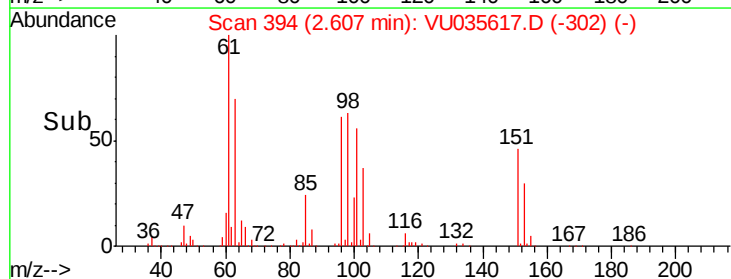
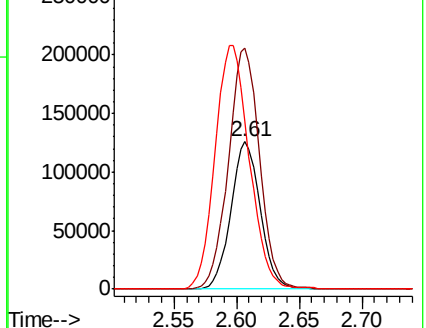
63 114.1 76.2 141.4

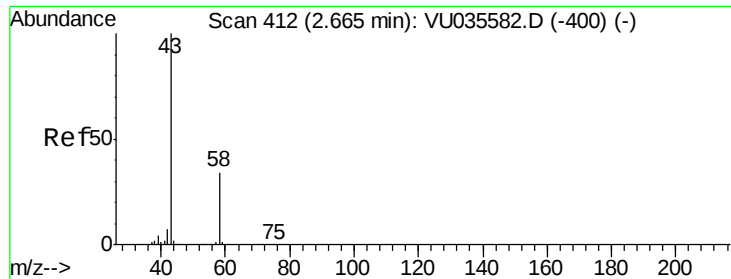


Abundance Ion 96.00 (95.70 to 96.70): VU035582.D (-380) (-)

Ion 61.00 (60.70 to 61.70): VU035582.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU035582.D (-380) (-)





#13

Acetone

Concen: 121.867 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

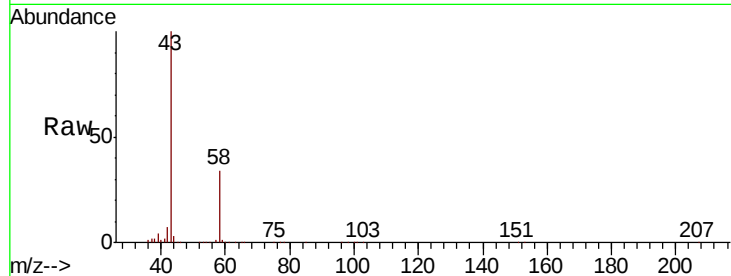
VSTD05035

Tot Ion: 43 Resp: 357264

Ion Ratio Lower Upper

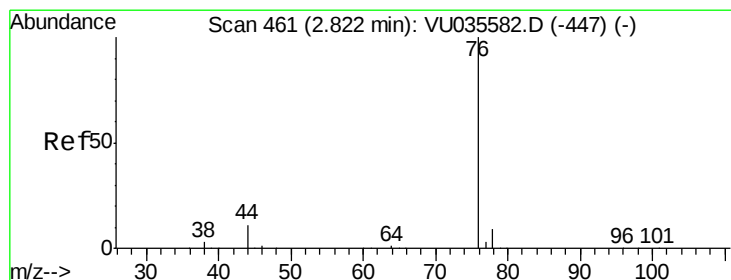
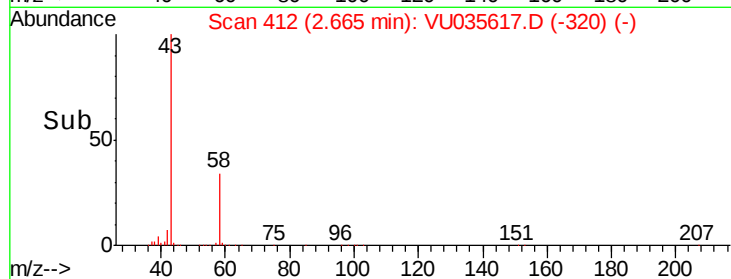
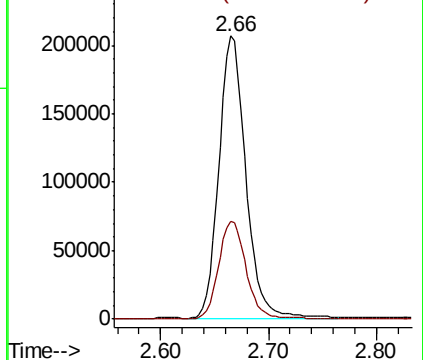
43 100

58 35.4 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035582.D (-400) (-)

Ion 58.00 (57.70 to 58.70): VU035582.D (-400) (-)



#14

Carbon disulfide

Concen: 44.810 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035617.D

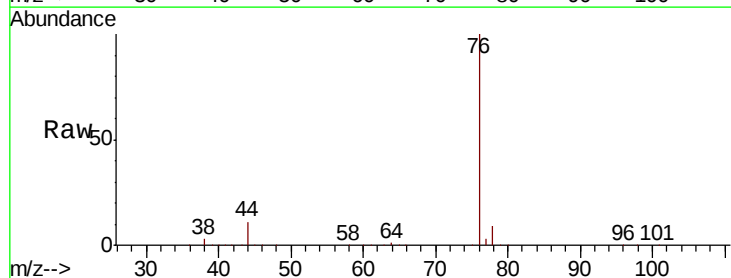
Acq: 05 Nov 2019 09:29

Tgt Ion: 76 Resp: 595609

Ion Ratio Lower Upper

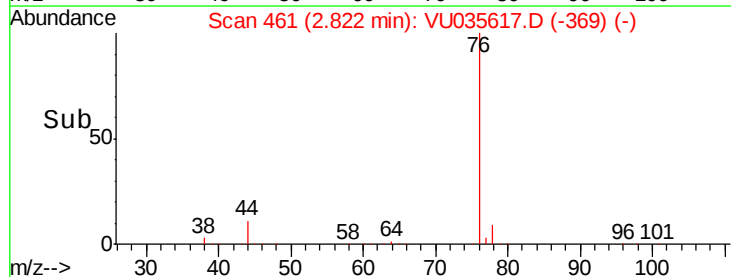
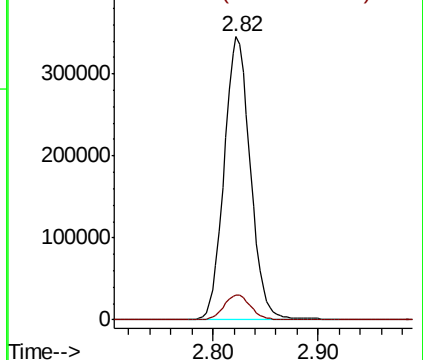
76 100

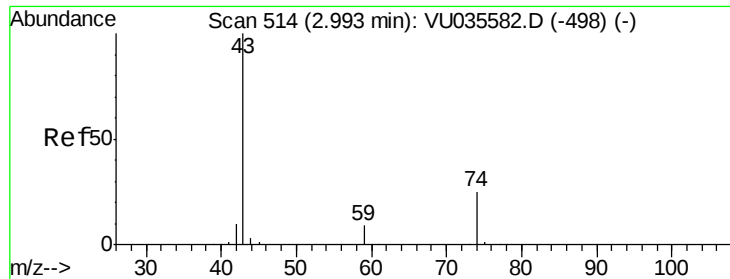
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035582.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035582.D (-447) (-)

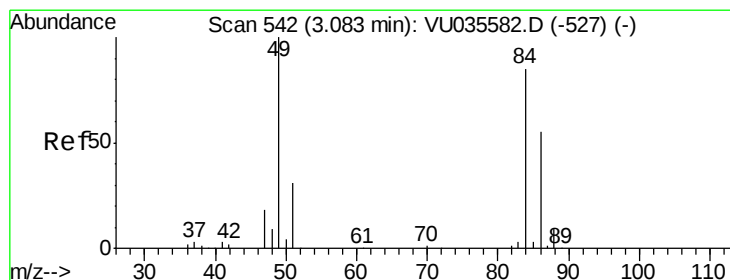
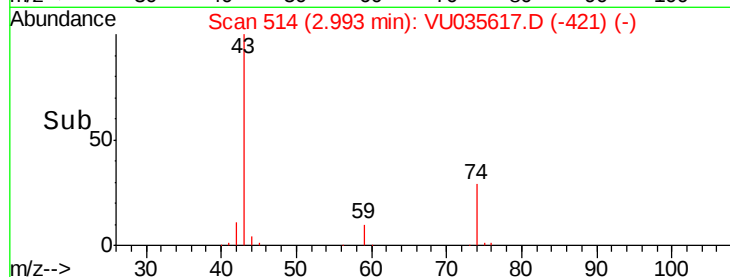
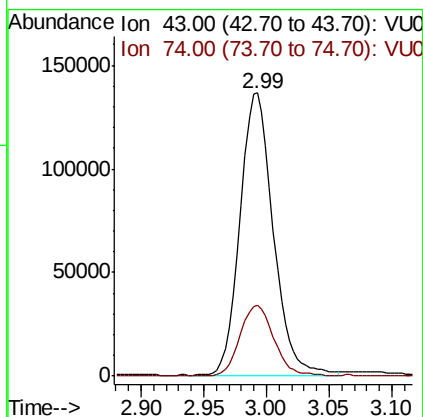
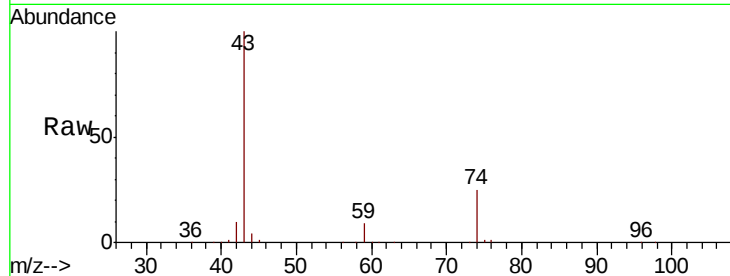




#15
Methvl Acetate
Concen: 47.310 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

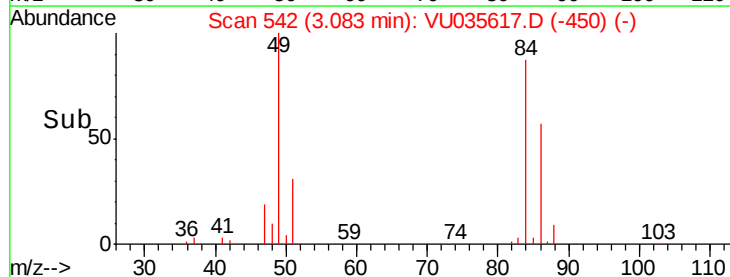
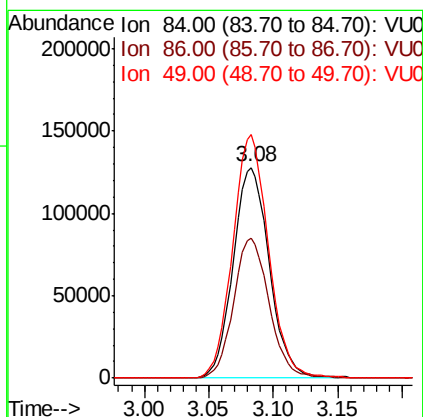
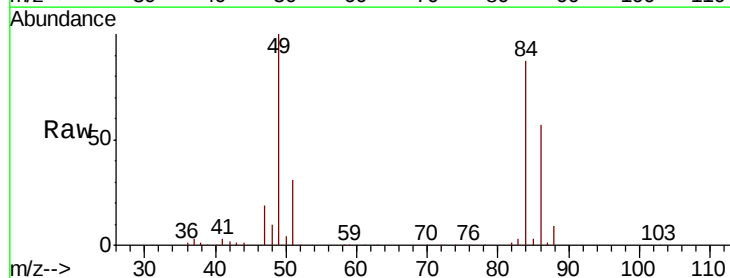
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

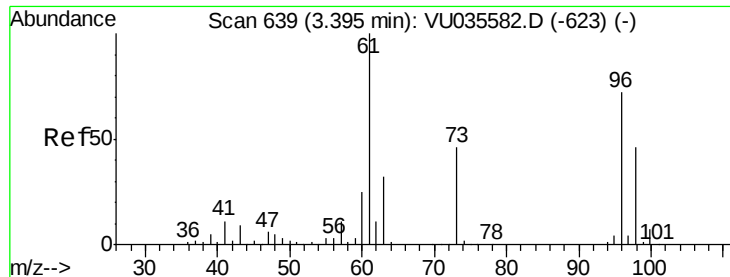
Tot Ion: 43 Resp: 251209
Ion Ratio Lower Upper
43 100
74 25.9 19.8 29.6



#16
Methylene chloride
Concen: 47.444 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 84 Resp: 249749
Ion Ratio Lower Upper
84 100
86 66.2 45.1 83.7
49 115.4 82.7 153.5

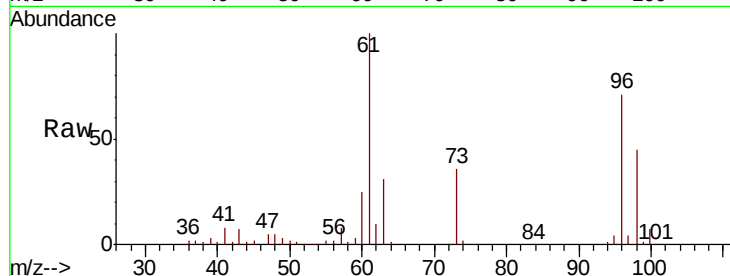




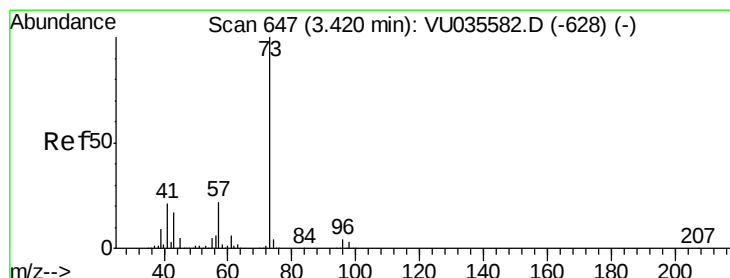
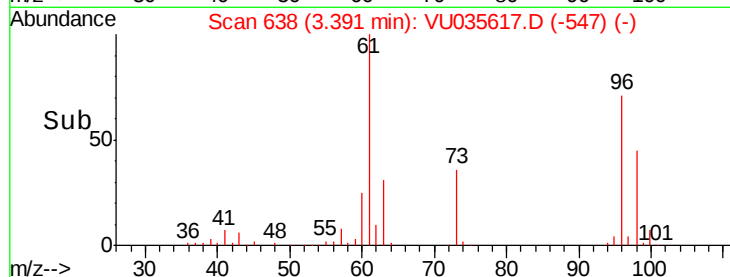
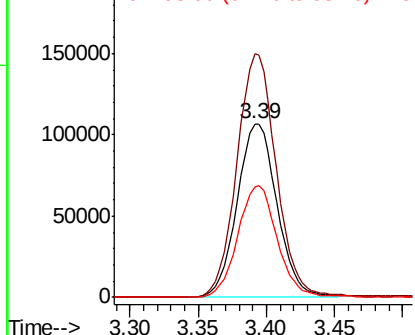
#17
trans-1,2-Dichloroethene
Concen: 47.765 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.01 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Tot Ion: 96 Resp: 217013
Ion Ratio Lower Upper
96 100
61 140.3 95.3 176.9
98 63.5 44.0 81.8

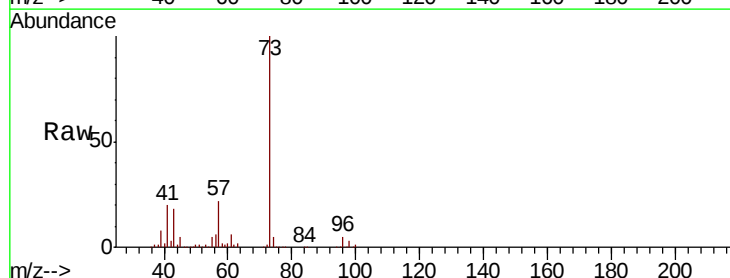


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

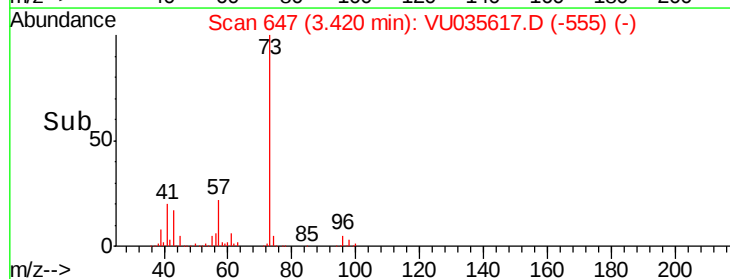
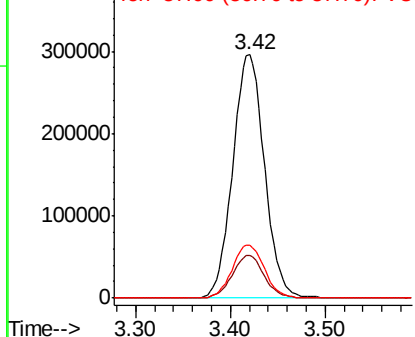


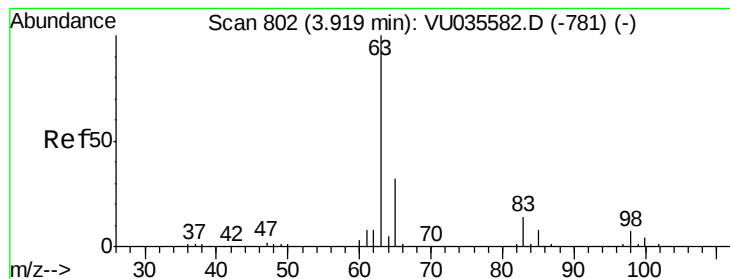
#18
Methyl tert-butyl Ether
Concen: 50.172 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 73 Resp: 689163
Ion Ratio Lower Upper
73 100
43 17.3 14.2 21.2
57 22.2 18.3 27.5



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: 48.484 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

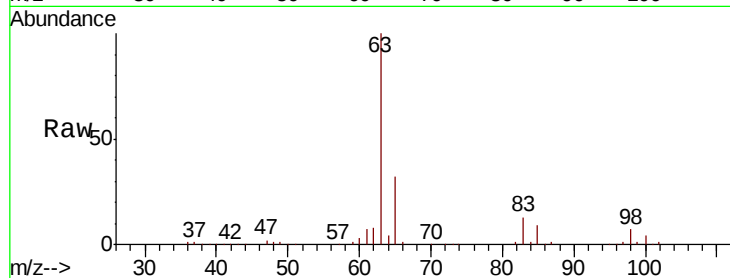
Tot Ion: 63 Resp: 424915

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

83 13.4 9.1 16.9

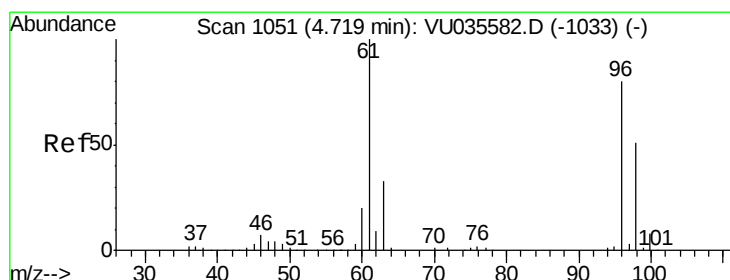
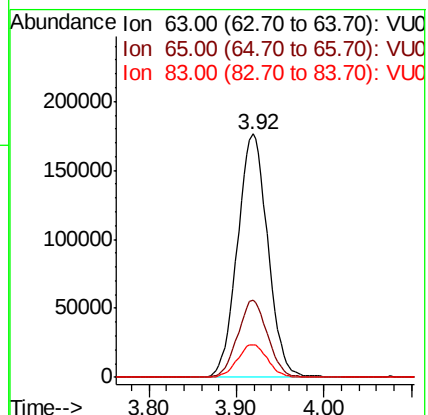
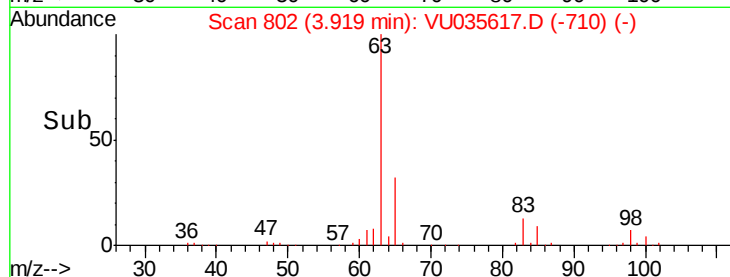


Abundance Ion 63.00 (62.70 to 63.70): VU035582.D (-781) (-)

Ion 65.00 (64.70 to 65.70): VU035582.D (-781) (-)

Ion 83.00 (82.70 to 83.70): VU035582.D (-781) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 48.655 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

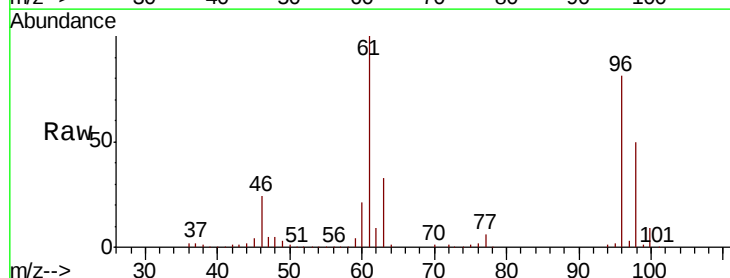
Tgt Ion: 96 Resp: 249330

Ion Ratio Lower Upper

96 100

61 123.7 90.6 168.3

68 0.0 0.0 0.0

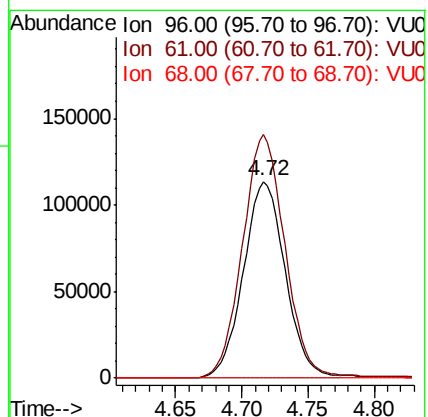
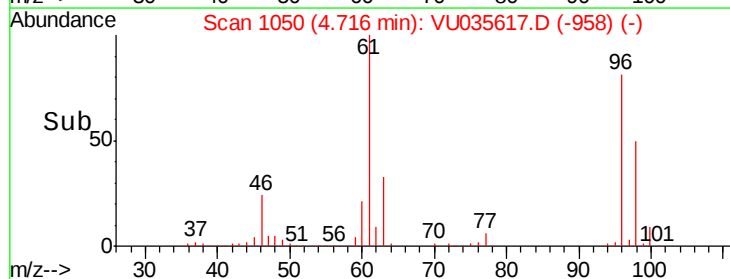


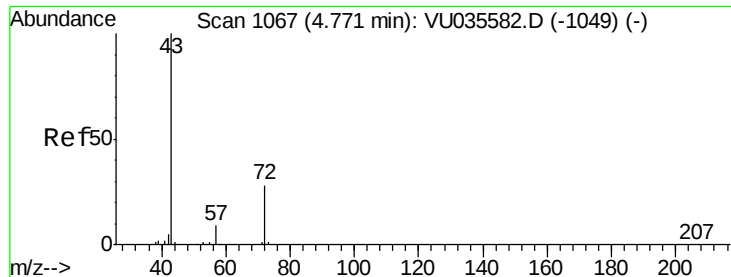
Abundance Ion 96.00 (95.70 to 96.70): VU035582.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU035582.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU035582.D (-1033) (-)

Time-->





#22

2-Butanone

Concen: 106.460 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

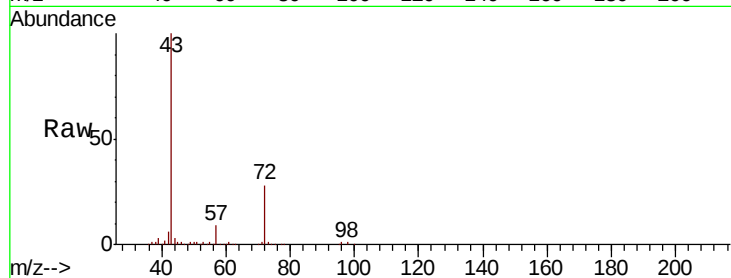
VSTD05035

Tot Ion: 43 Resp: 411990

Ion Ratio Lower Upper

43 100

72 28.7 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035582.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU035582.D (-1049) (-)

4.77

200000

150000

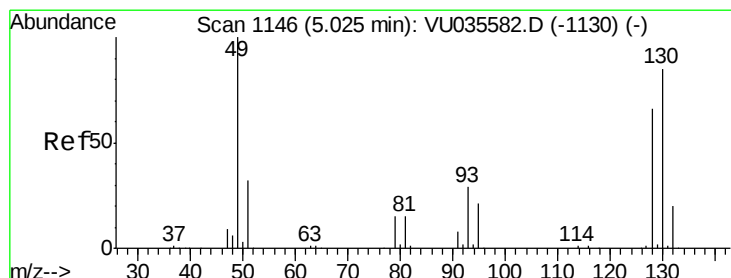
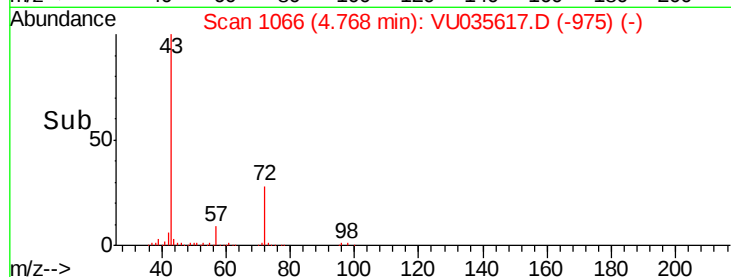
100000

50000

0

4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 49.512 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Tgt Ion:128 Resp: 134073

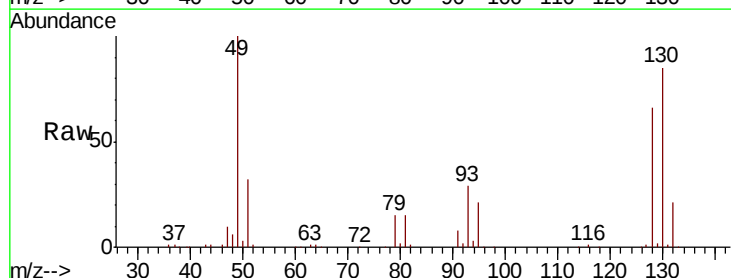
Ion Ratio Lower Upper

128 100

49 150.4 106.4 197.6

130 127.7 88.1 163.5

51 47.7 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): VU035582.D (-1130) (-)

Ion 49.00 (48.70 to 49.70): VU035582.D (-1130) (-)

Ion 130.00 (129.70 to 130.70): VU035582.D (-1130) (-)

Ion 51.00 (50.70 to 51.70): VU035582.D (-1130) (-)

5.02

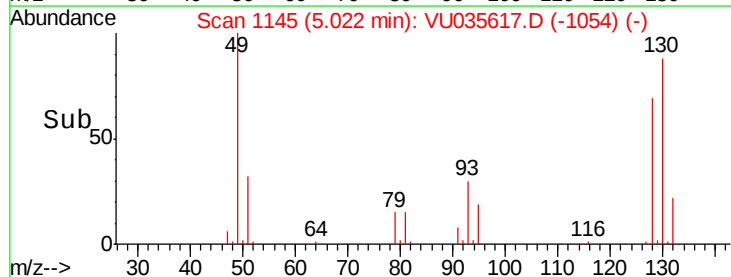
100000

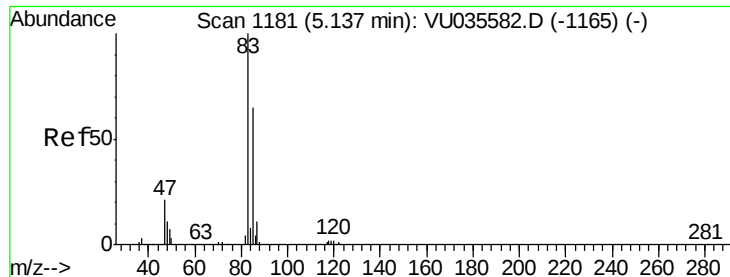
50000

0

4.95 5.00 5.05 5.10

Time-->

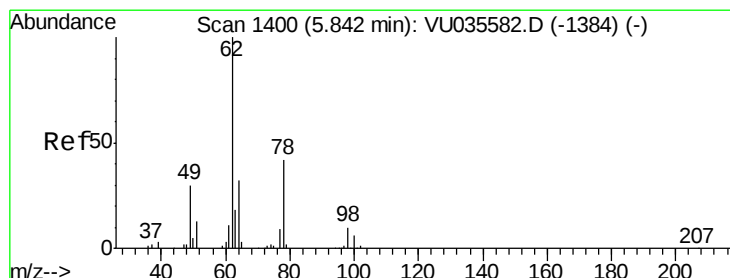
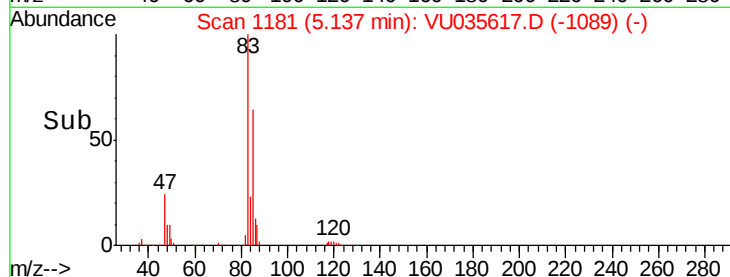
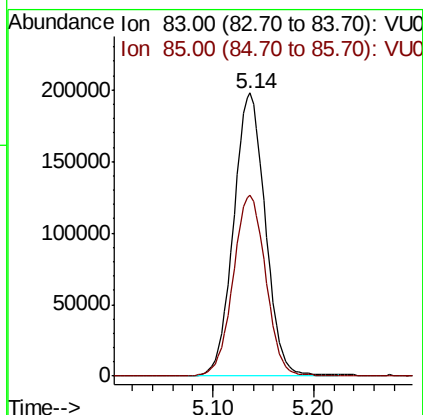
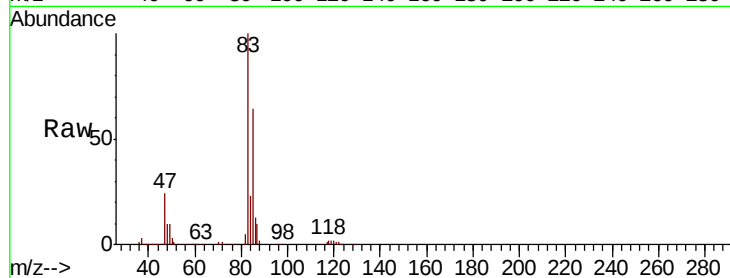




#25
Chloroform
Concen: 48.505 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

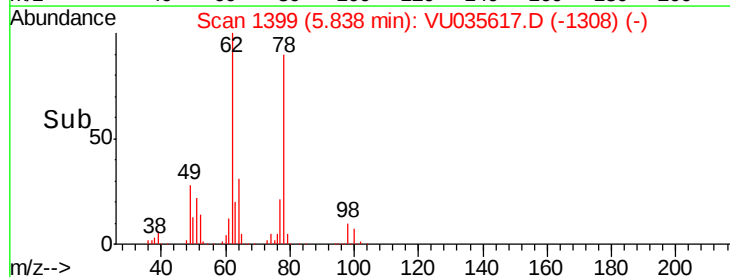
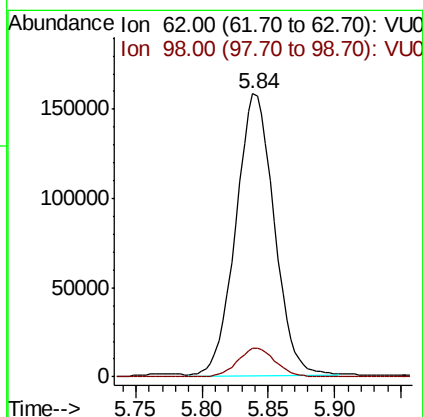
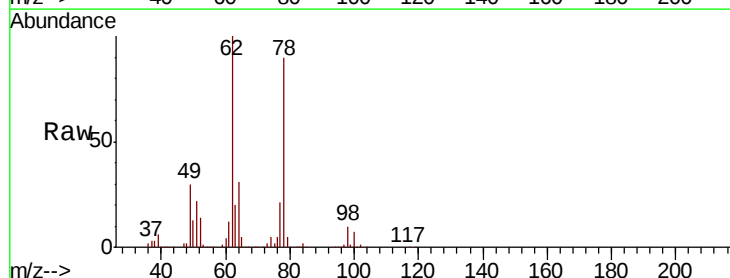
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

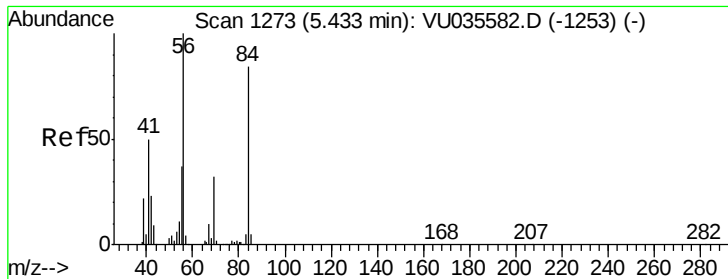
Tot Ion: 83 Resp: 431734
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 48.779 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.01 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 62 Resp: 317203
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2





#29

Cyclohexane

Concen: 49.543 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

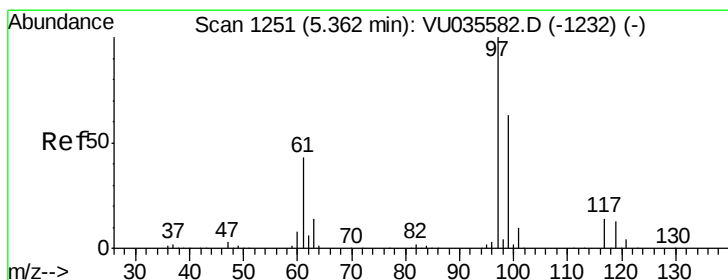
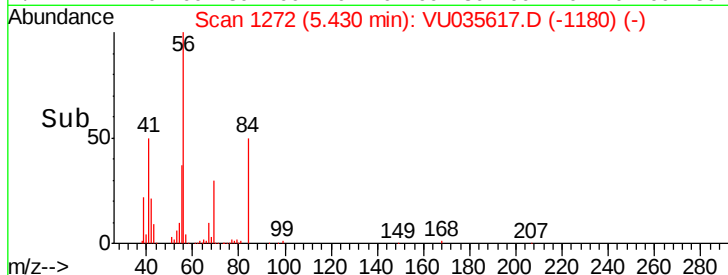
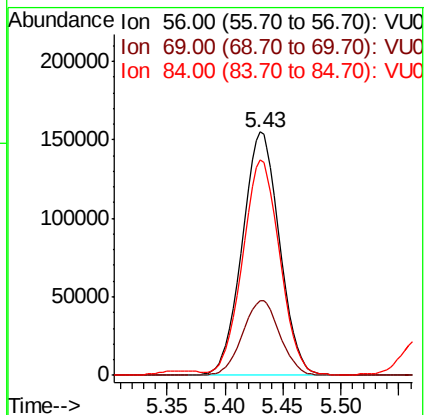
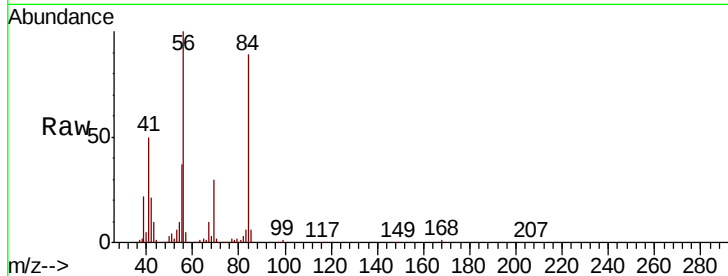
Tot Ion: 56 Resp: 347594

Ion Ratio Lower Upper

56 100

69 30.8 24.4 36.6

84 87.4 68.6 102.8



#30

1,1,1-Trichloroethane

Concen: 50.213 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

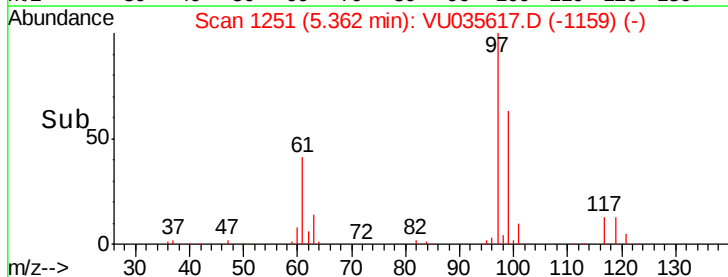
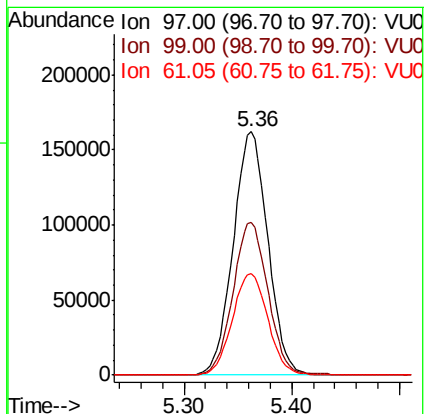
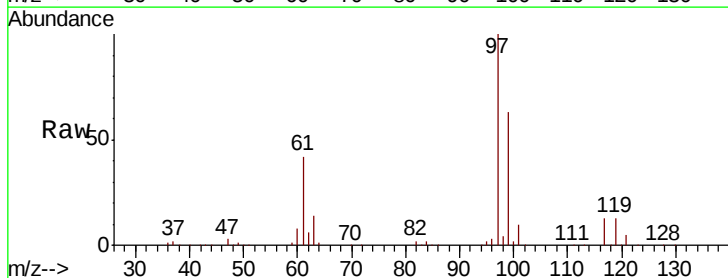
Tgt Ion: 97 Resp: 363030

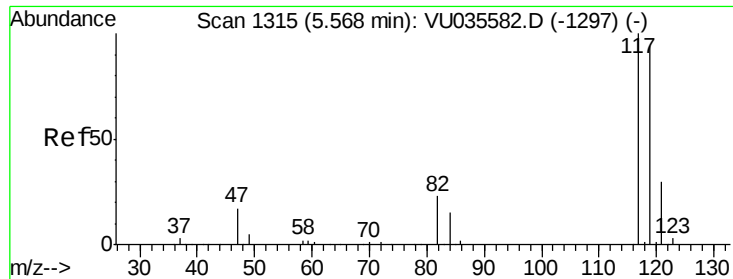
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 42.9 35.1 52.7

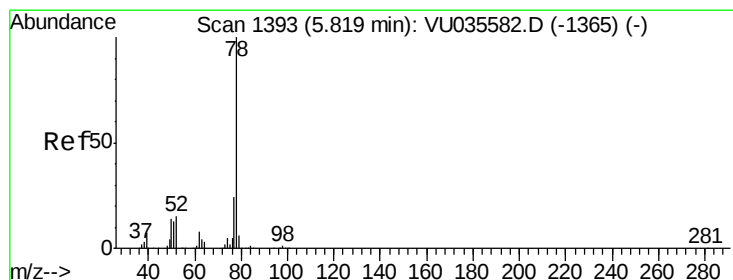
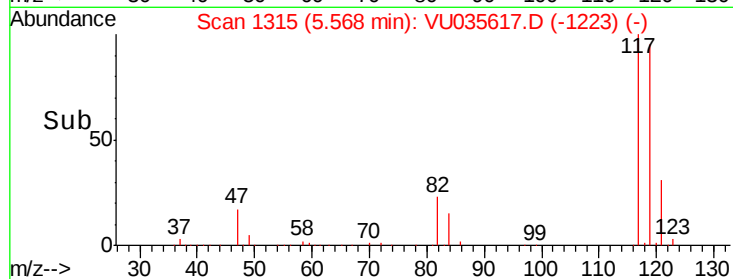
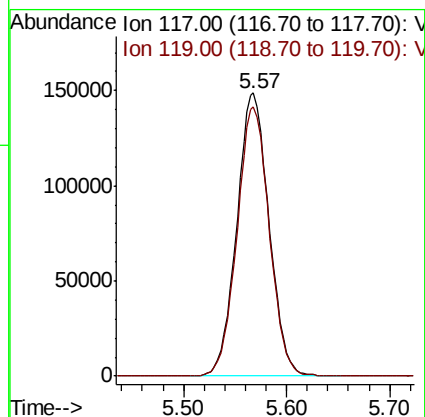
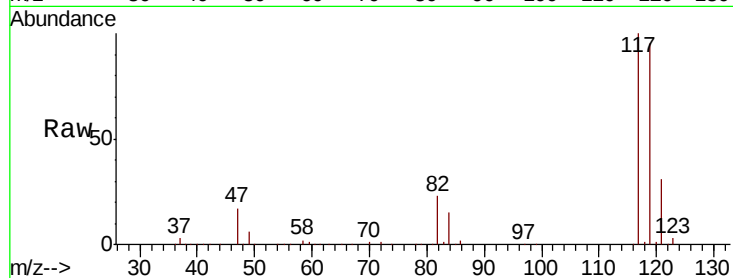




#31
Carbon tetrachloride
Concen: 50.146 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

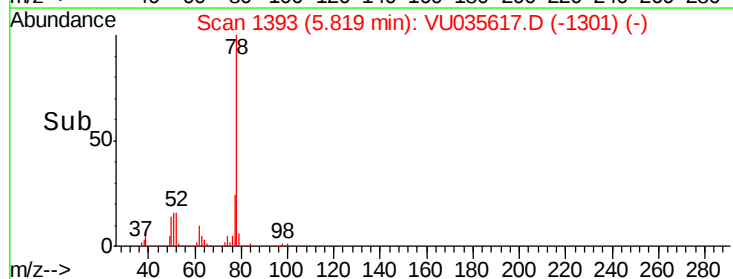
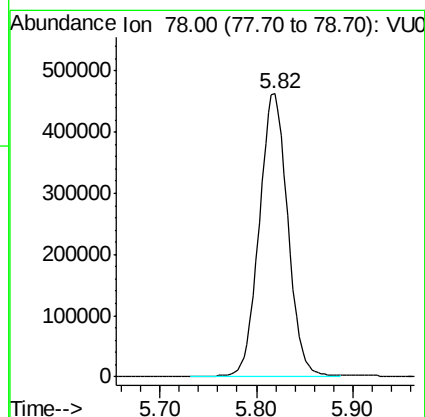
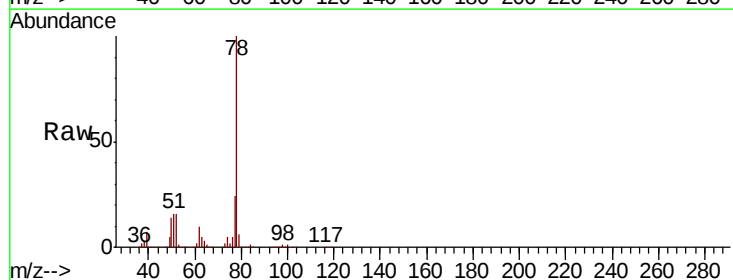
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

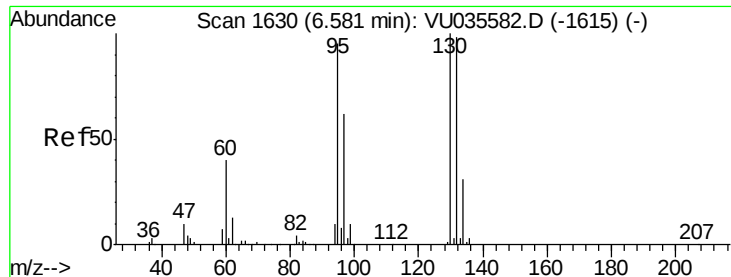
Tot Ion:117 Resp: 322363
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2



#33
Benzene
Concen: 49.202 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 78 Resp: 951154





#34

Trichloroethene

Concen: 48.148 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

Tot Ion: 95 Resp: 236631

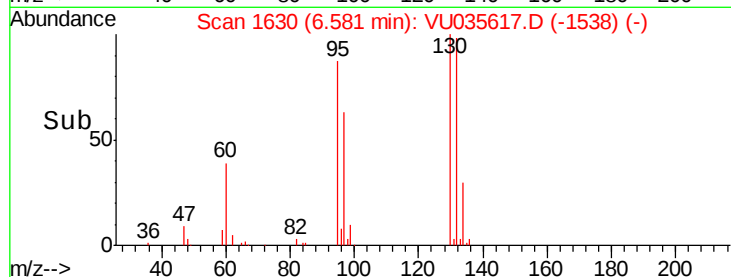
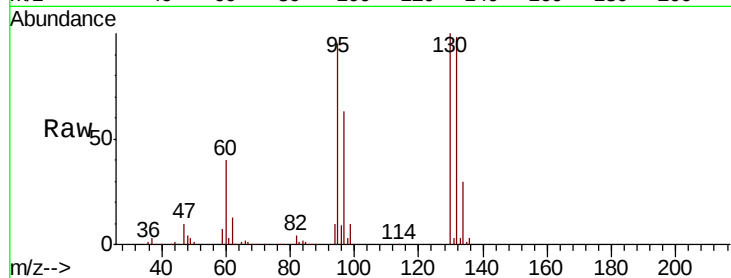
Ion Ratio Lower Upper

95 100

97 66.1 45.6 84.6

132 103.3 69.9 129.7

130 105.8 73.1 135.7

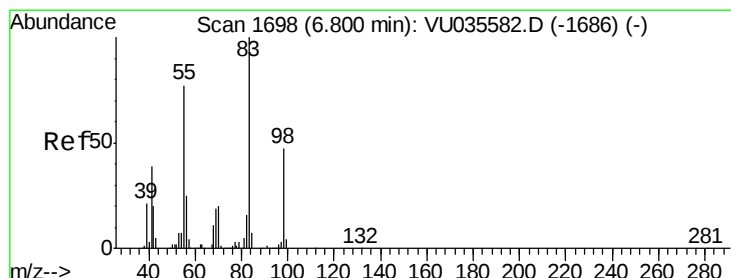
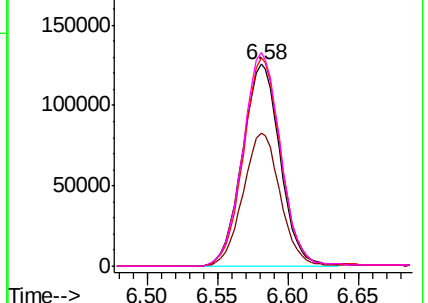


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.867 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

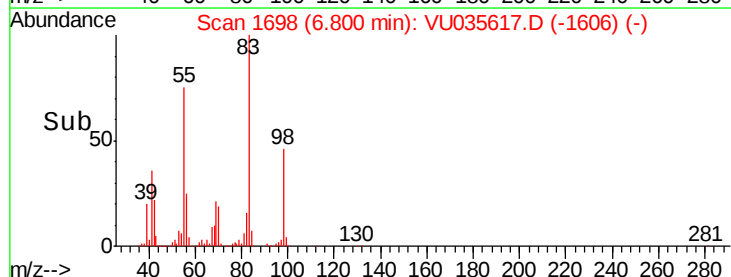
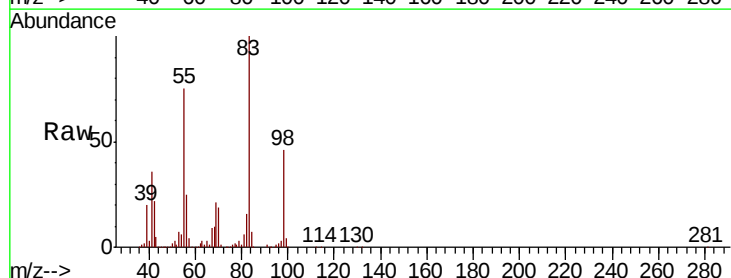
Tgt Ion: 83 Resp: 348799

Ion Ratio Lower Upper

83 100

55 75.1 61.0 91.4

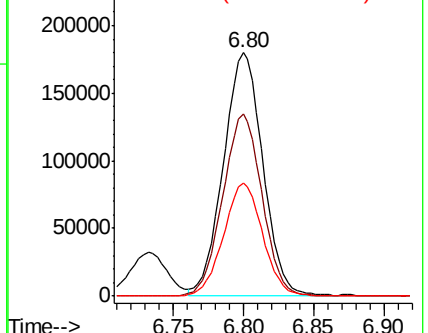
98 46.1 36.6 54.8

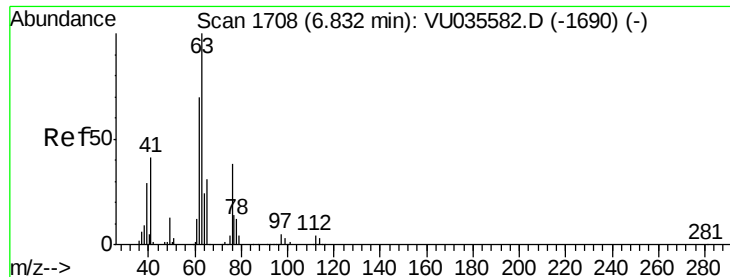


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

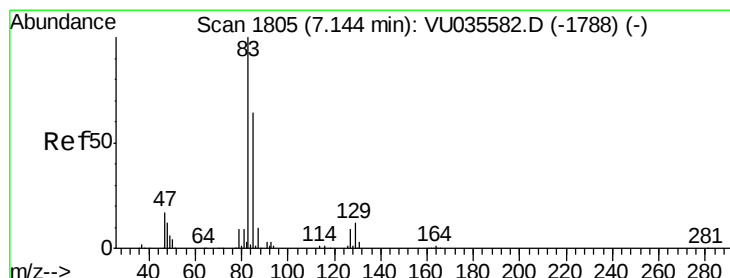
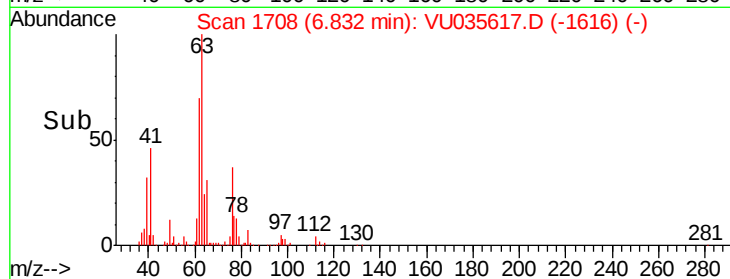
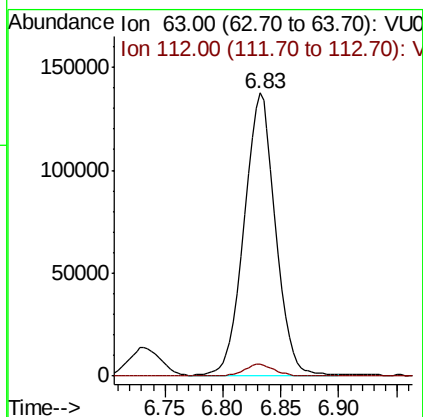
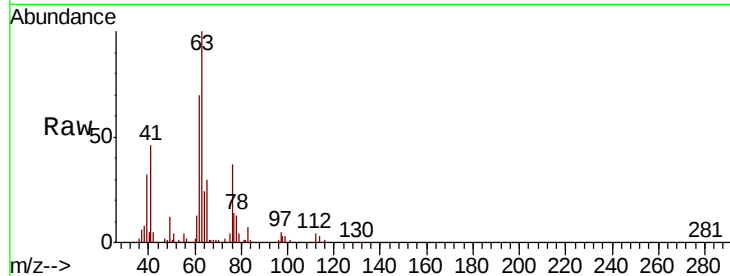




#37
 1,2-Dichloropropane
 Concen: 49.711 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

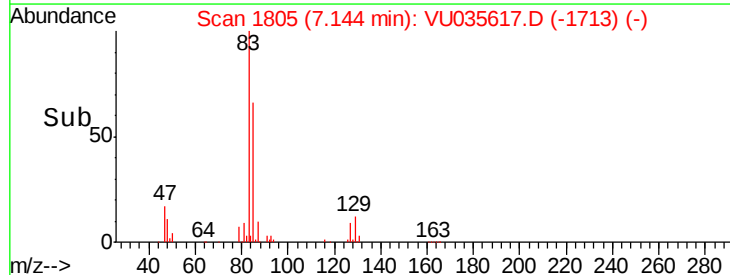
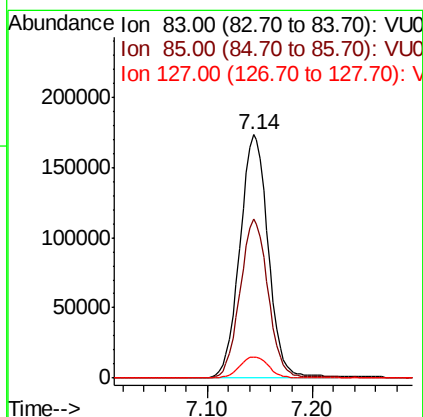
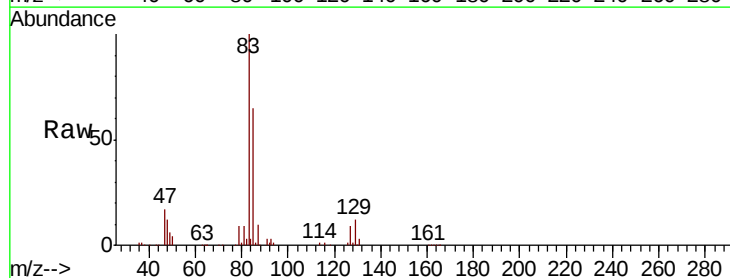
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

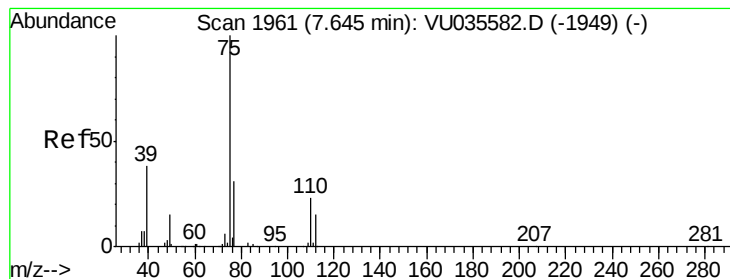
Tot Ion: 63 Resp: 257351
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.006 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Tgt Ion: 83 Resp: 322475
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.1 83.7
 127 8.8 7.2 10.8



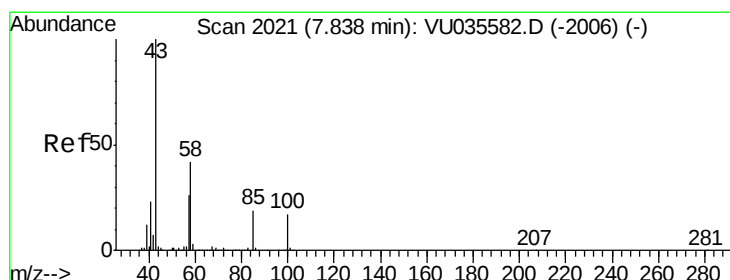
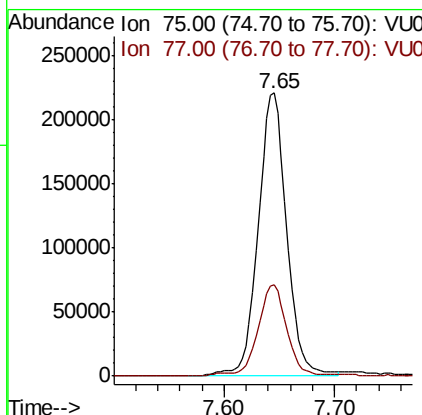
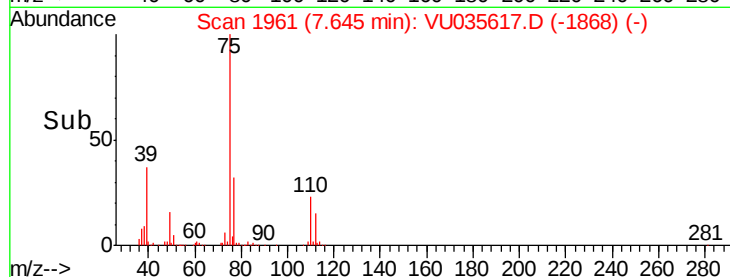
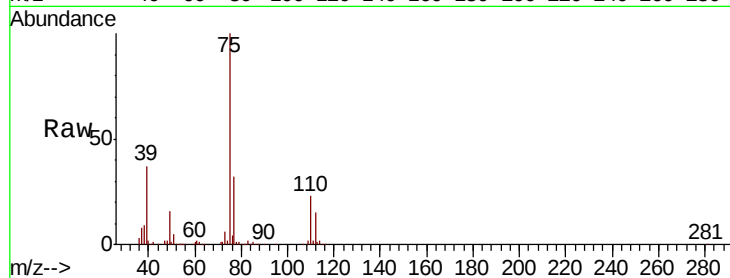


#39

cis-1,3-Dichloropropene
 Concen: 51.417 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

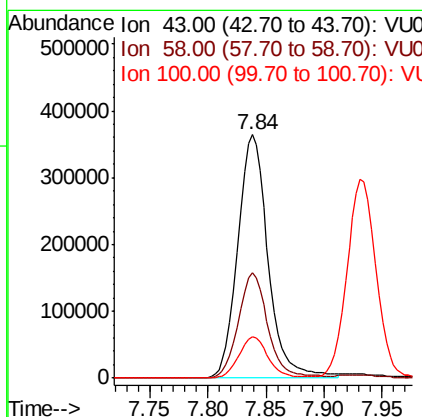
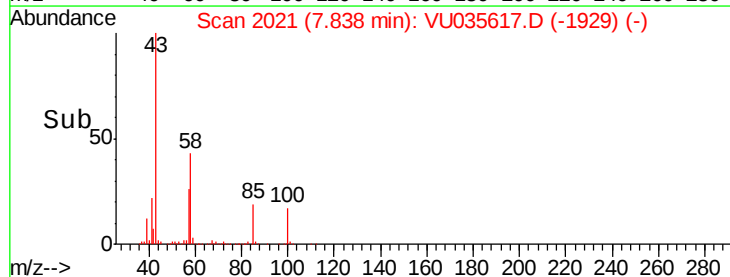
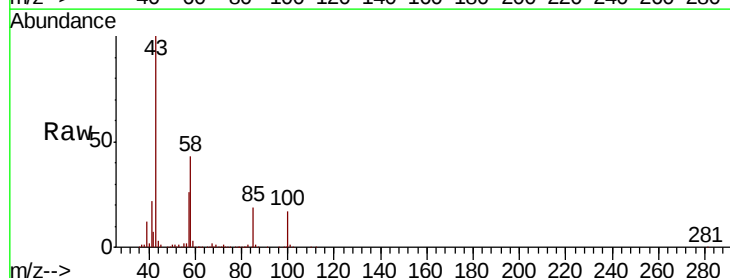
Tot Ion: 75 Resp: 395650
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.5

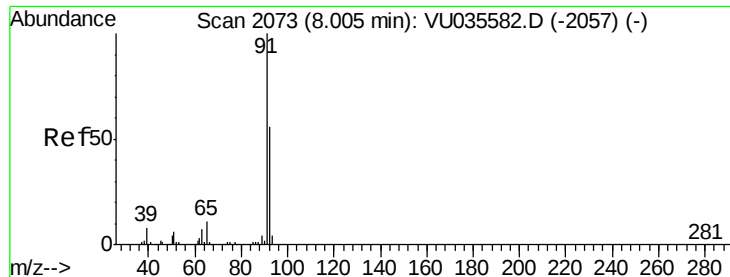


#40

4-Methyl-2-pentanone
 Concen: 95.253 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Tgt Ion: 43 Resp: 659704
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.6 49.0
 100 16.5 12.6 19.0





#42

Toluene

Concen: 51.411 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

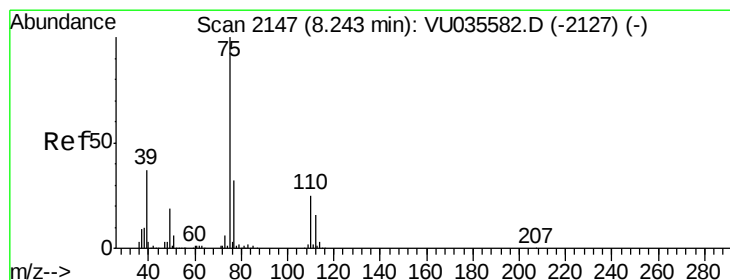
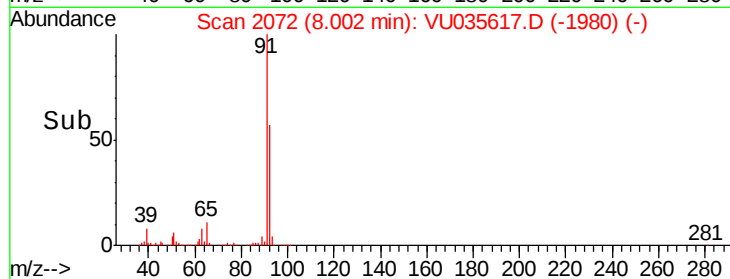
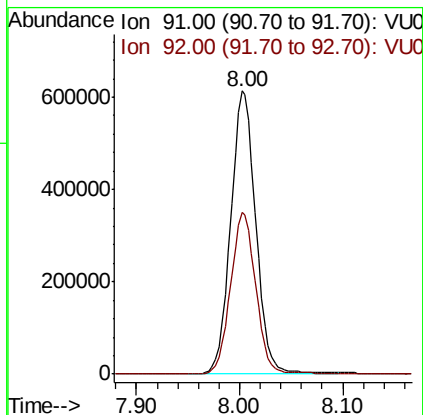
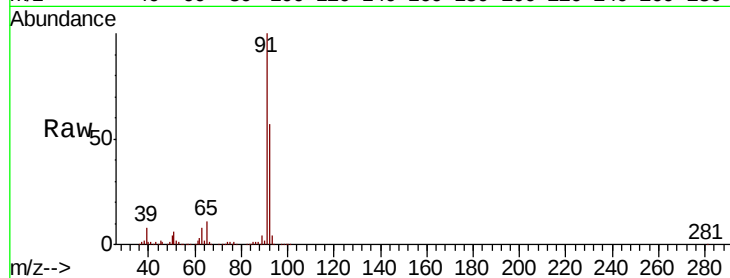
VSTD05035

Tot Ion: 91 Resp: 1041659

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.499 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035617.D

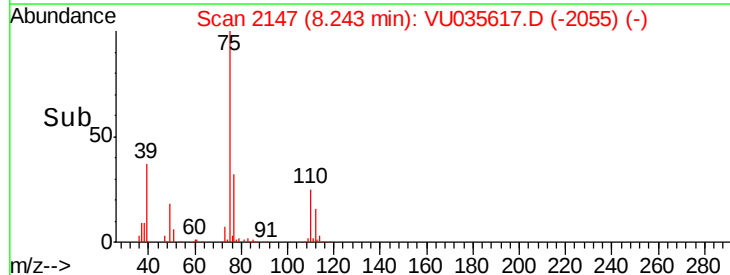
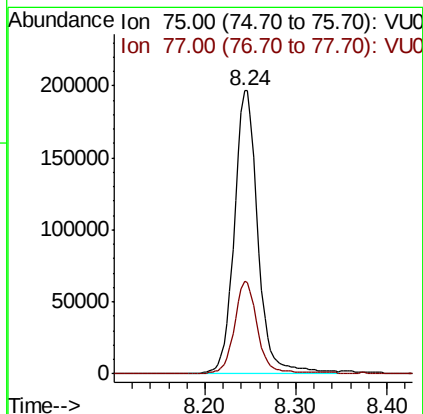
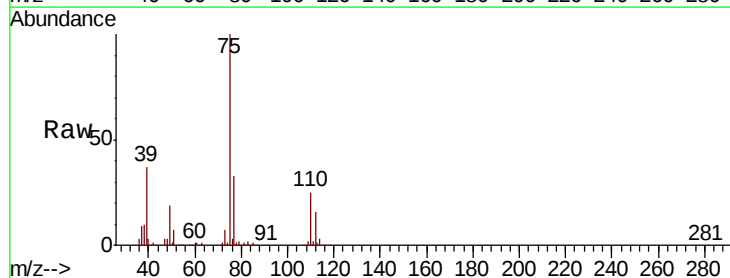
Acq: 05 Nov 2019 09:29

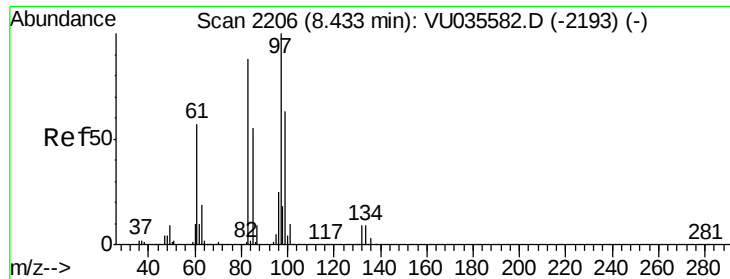
Tgt Ion: 75 Resp: 356190

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1

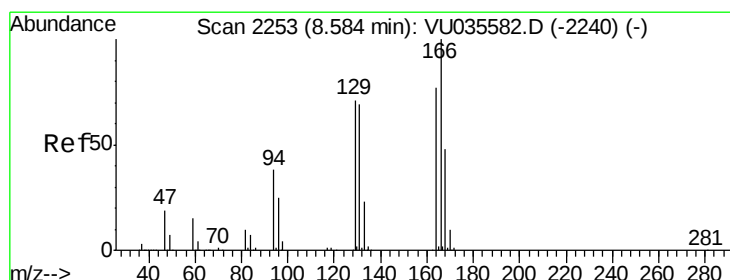
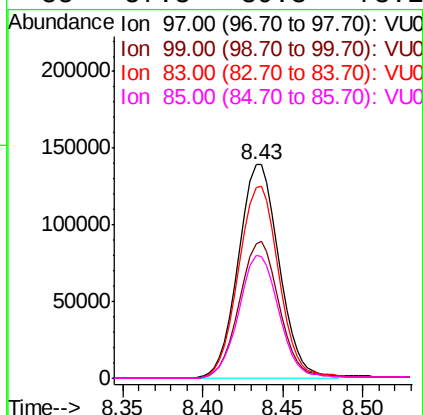
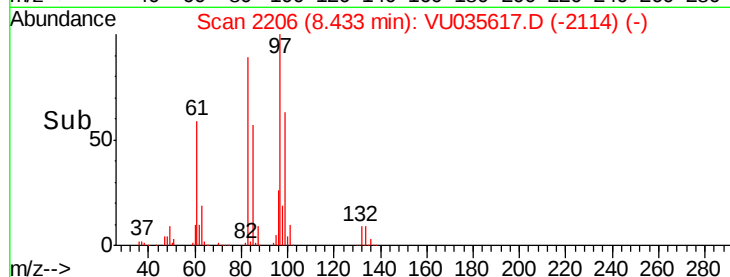
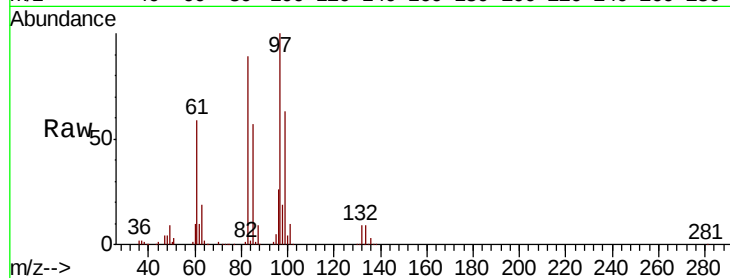




#45
 1,1,2-Trichloroethane
 Concen: 48.956 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

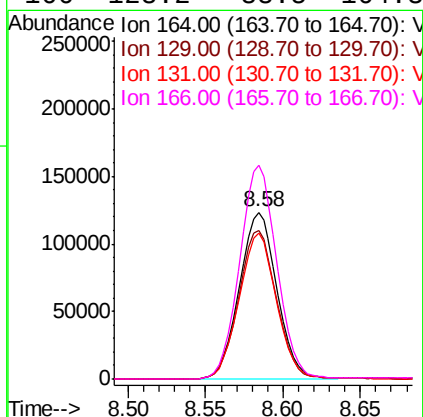
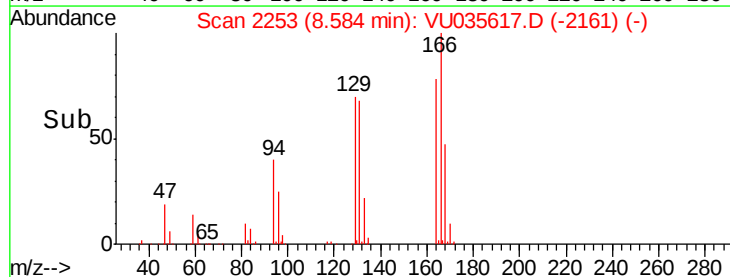
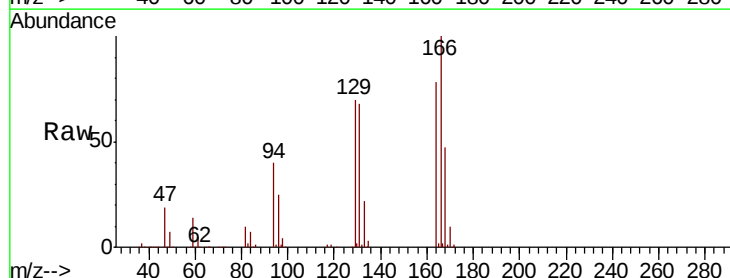
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

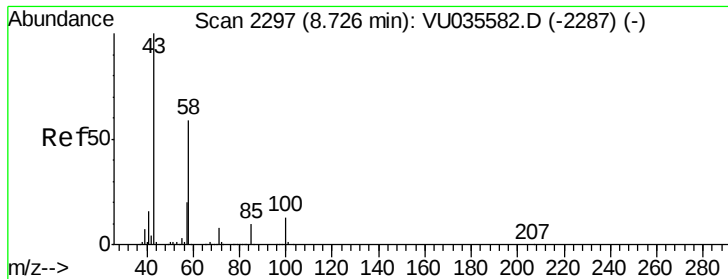
Tot Ion:	97	Resp:	242923
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.2
83	89.2	61.5	114.3
85	57.3	39.3	73.1



#46
 Tetrachloroethene
 Concen: 50.660 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Tgt Ion:	164	Resp:	208186
Ion	Ratio	Lower	Upper
164	100		
129	89.4	64.1	119.1
131	87.2	63.1	117.1
166	128.2	88.5	164.3

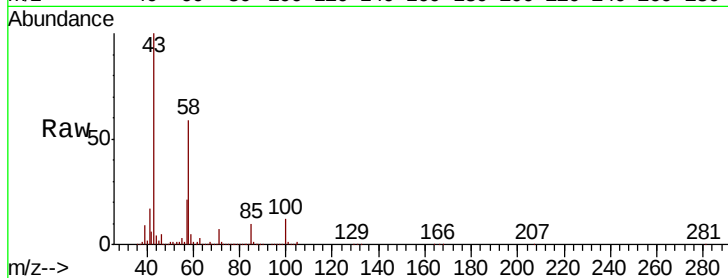




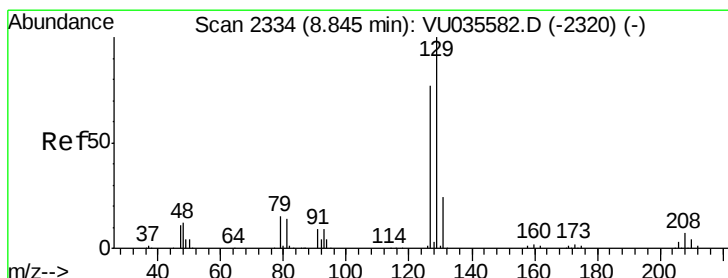
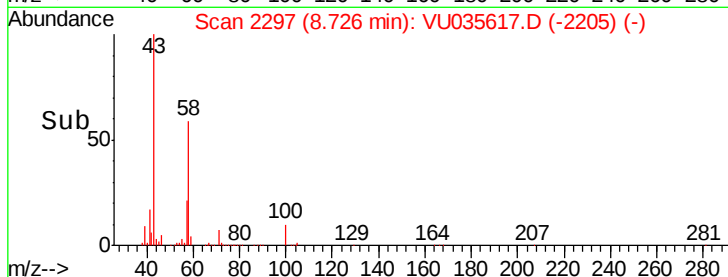
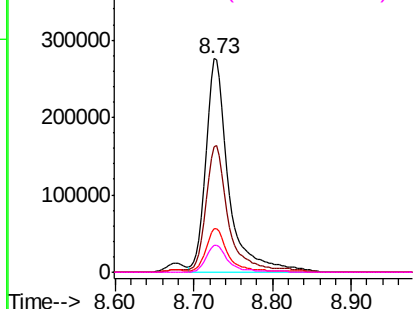
#48
2-Hexanone
Concen: 97.967 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

Tot Ion: 43 Resp: 551760
Ion Ratio Lower Upper
43 100
58 55.1 50.4 75.6
57 18.3 17.4 26.0
100 12.2 10.5 15.7

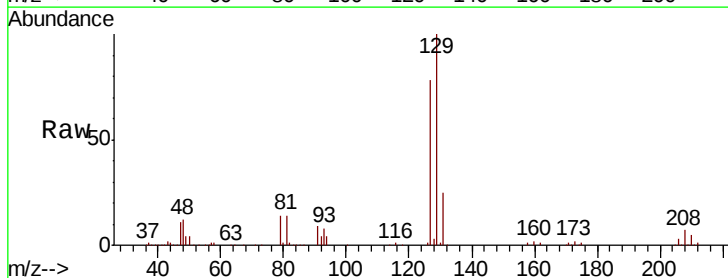


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

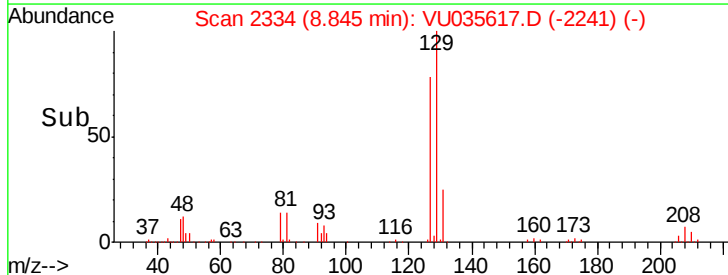
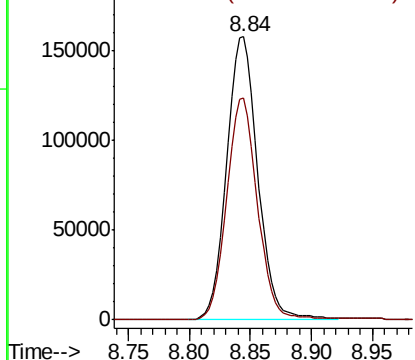


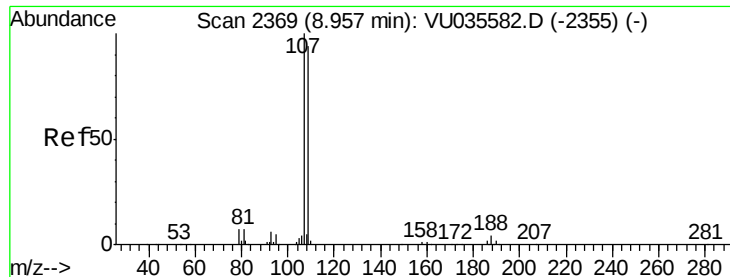
#49
Dibromochloromethane
Concen: 50.382 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 129 Resp: 281928
Ion Ratio Lower Upper
129 100
127 78.2 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

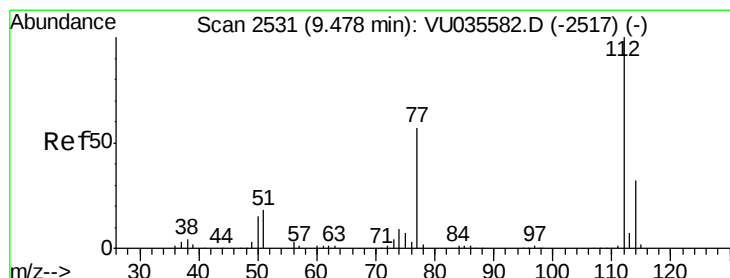
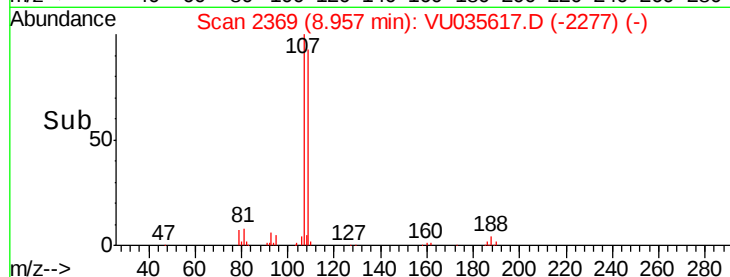
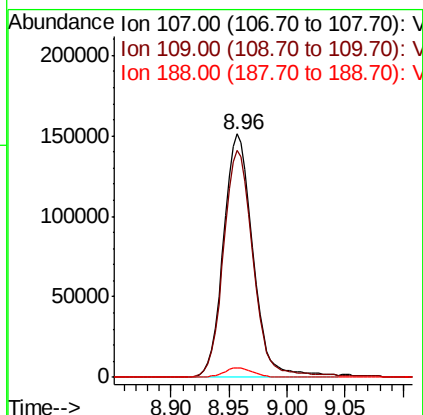
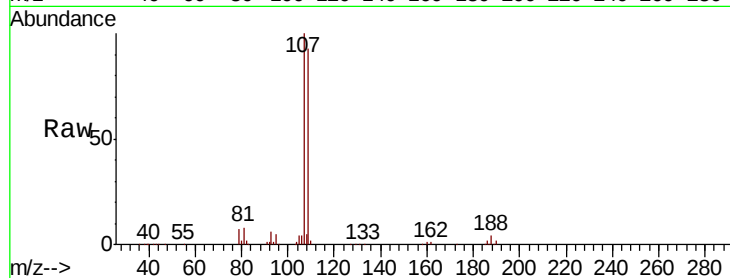




#50
1,2-Dibromoethane
Concen: 50.205 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

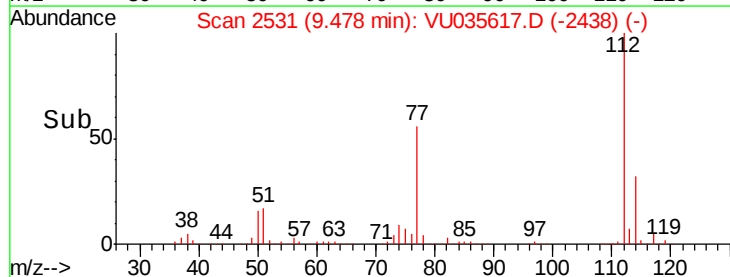
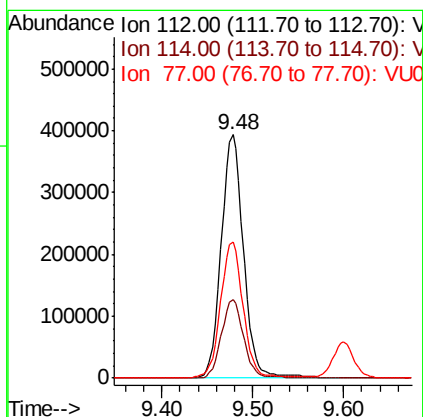
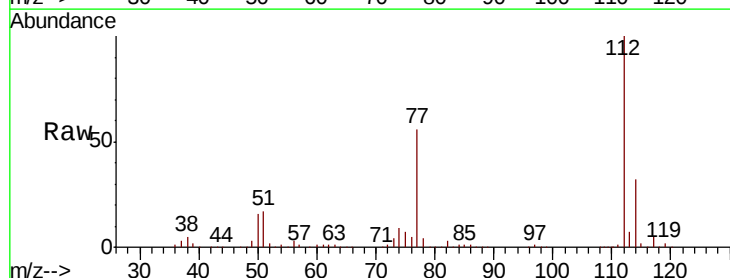
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

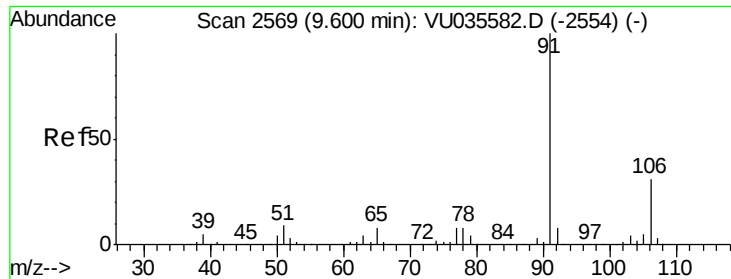
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	66.8	124.2
188	4.0	3.2	4.8



#51
Chlorobenzene
Concen: 49.610 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	56.0	45.9	68.9

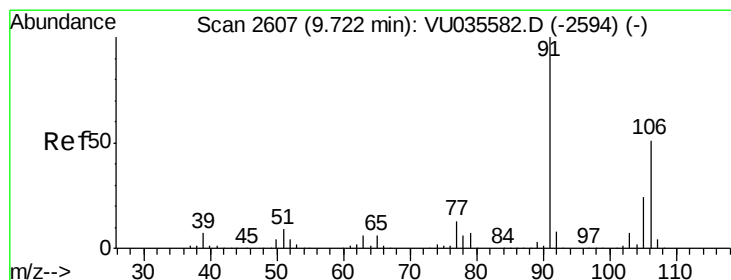
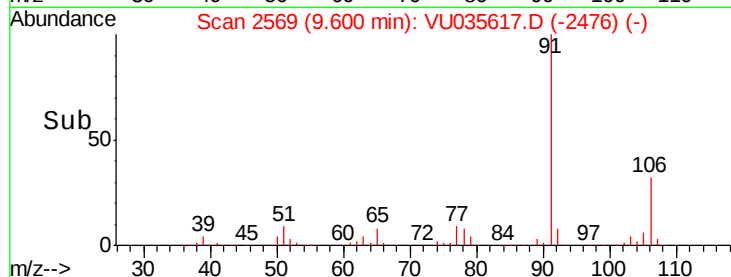
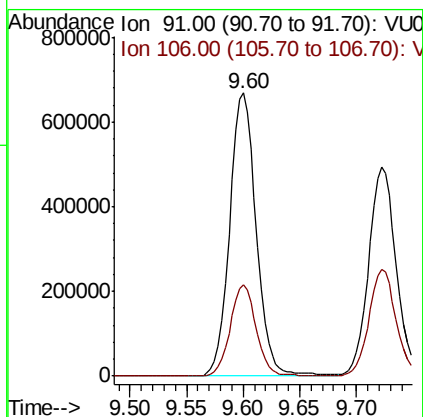
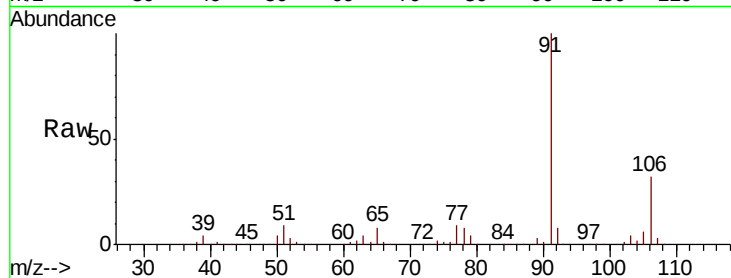




#52
Ethylbenzene
Concen: 50.442 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

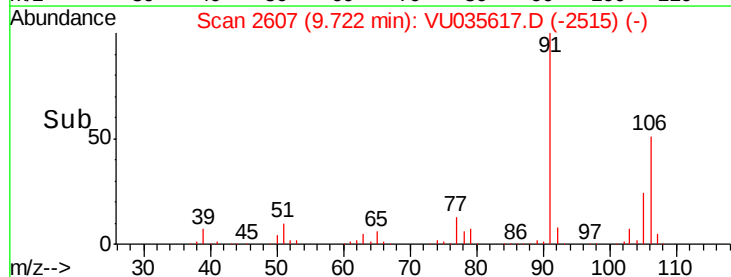
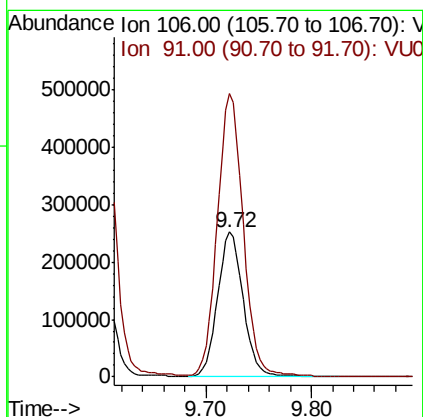
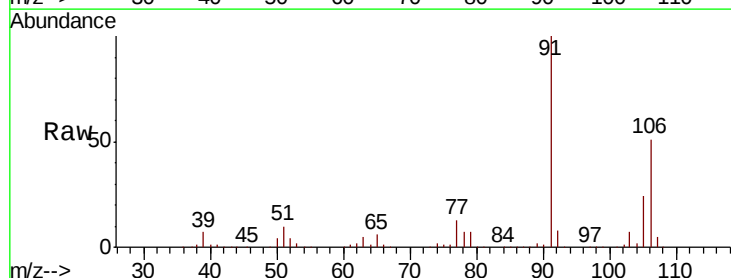
Instrument :
MSVOA_U
ClientSampleId :
VSTD05035

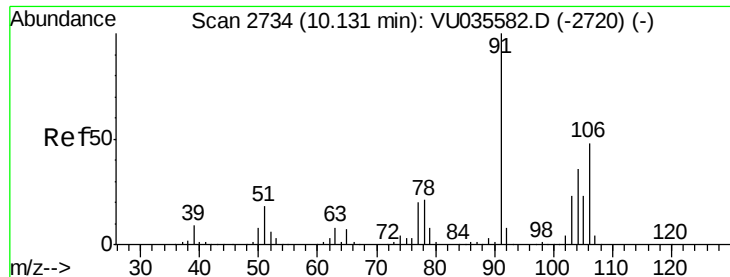
Tot Ion: 91 Resp: 1092587
Ion Ratio Lower Upper
91 100
106 32.2 21.6 40.0



#53
m,p-Xylene
Concen: 52.351 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035617.D
Acq: 05 Nov 2019 09:29

Tgt Ion: 106 Resp: 425498
Ion Ratio Lower Upper
106 100
91 195.5 142.7 264.9





#54

o-xylene

Concen: 52.506 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

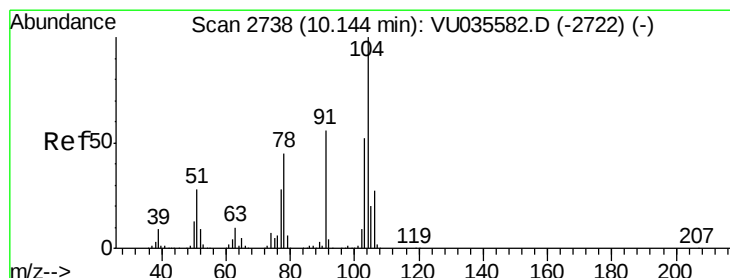
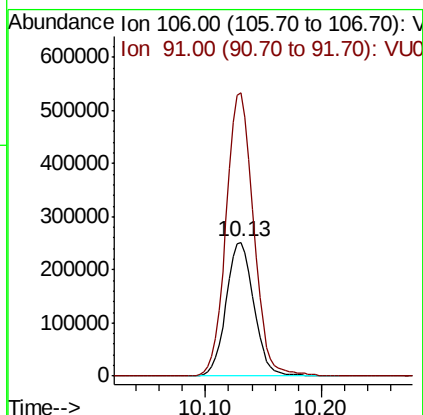
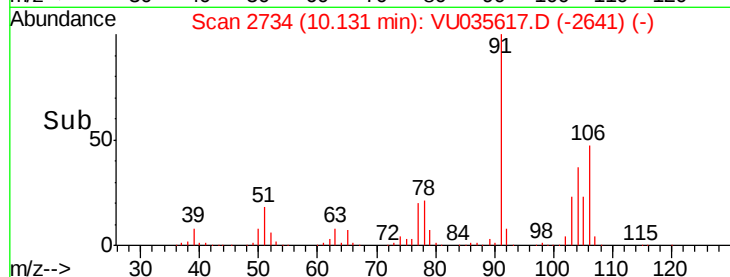
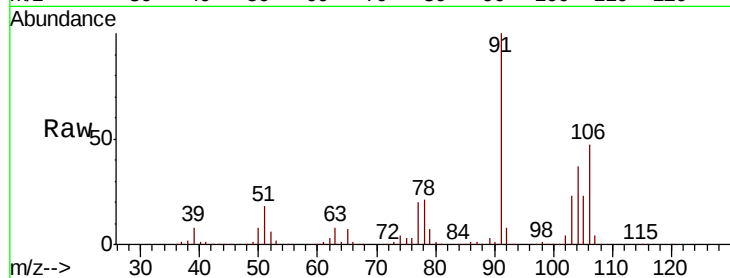
VSTD05035

Tot Ion:106 Resp: 417111

Ion Ratio Lower Upper

106 100

91 210.8 147.1 273.1



#55

Styrene

Concen: 52.911 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035617.D

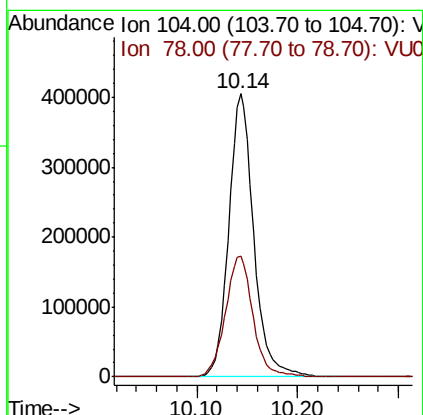
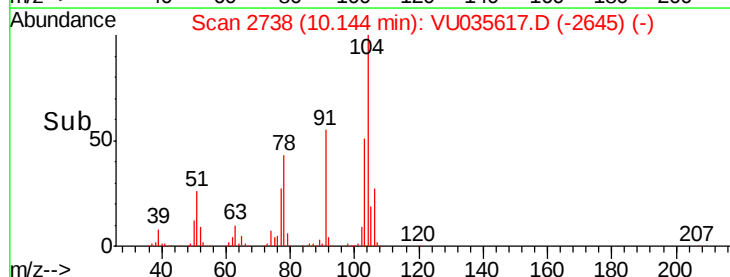
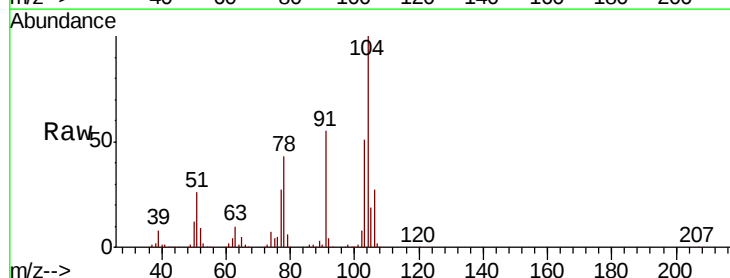
Acq: 05 Nov 2019 09:29

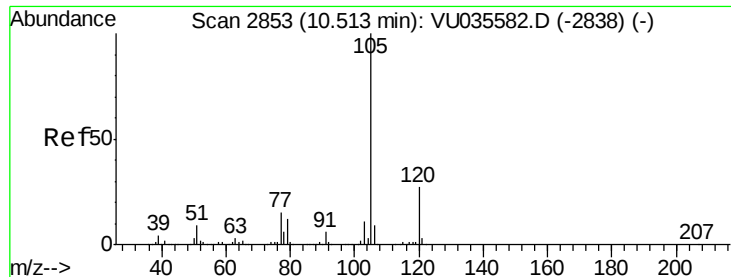
Tgt Ion:104 Resp: 697571

Ion Ratio Lower Upper

104 100

78 42.8 31.4 58.4





#56

Isopropylbenzene

Concen: 52.358 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

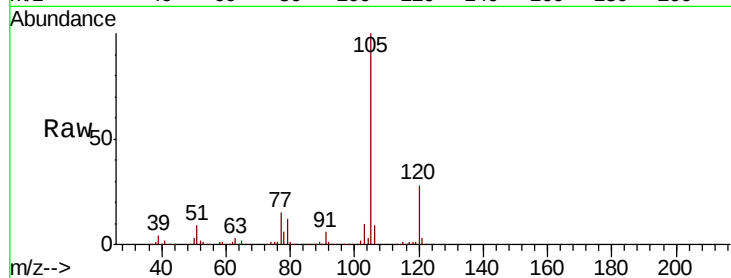
Tot Ion:105 Resp: 1045222

Ion Ratio Lower Upper

105 100

120 27.1 21.1 31.7

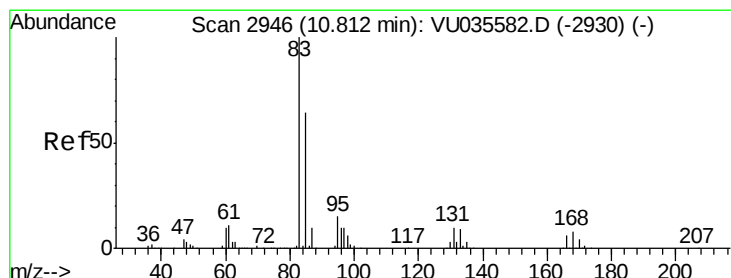
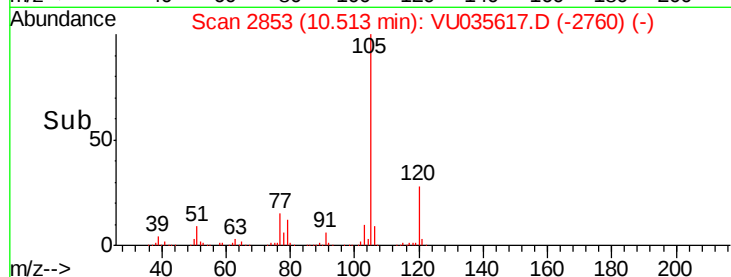
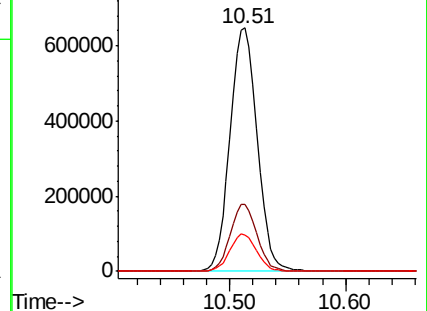
77 15.1 12.2 18.4



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: 49.100 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

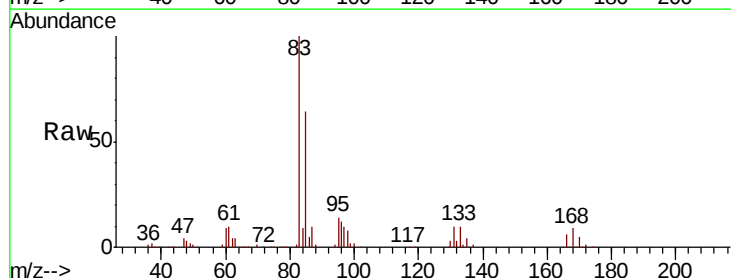
Tgt Ion: 83 Resp: 419657

Ion Ratio Lower Upper

83 100

85 64.5 44.6 82.8

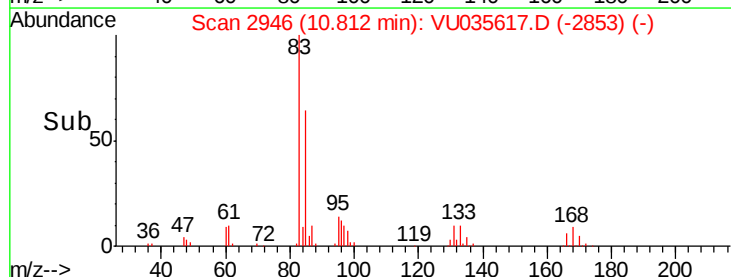
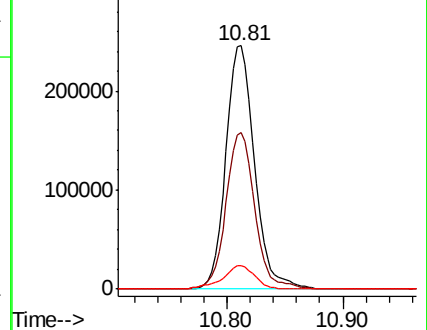
131 9.7 8.2 12.4

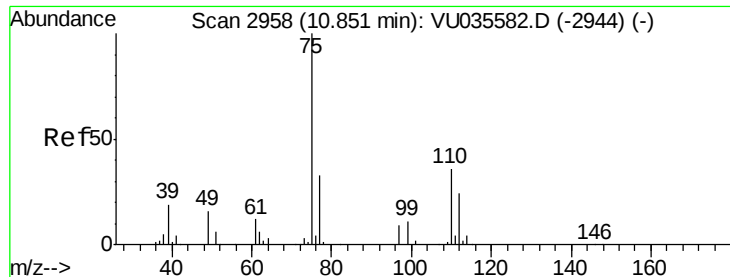


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.640 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

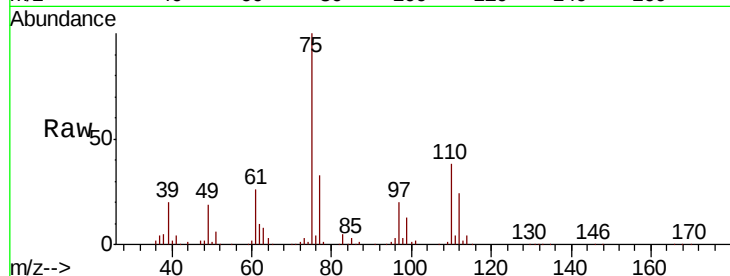
VSTD05035

Tot Ion: 75 Resp: 328327

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035582.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035582.D (-2944) (-)

10.85

200000

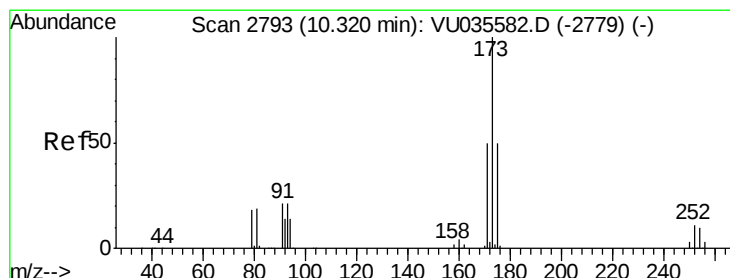
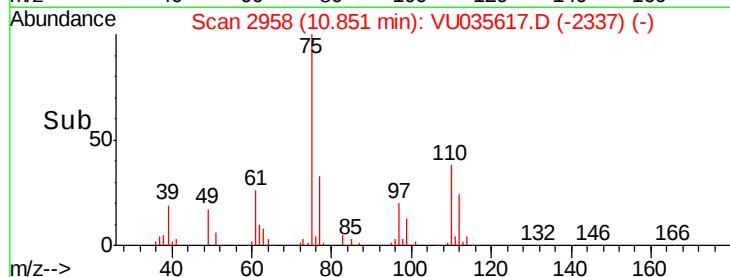
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.545 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

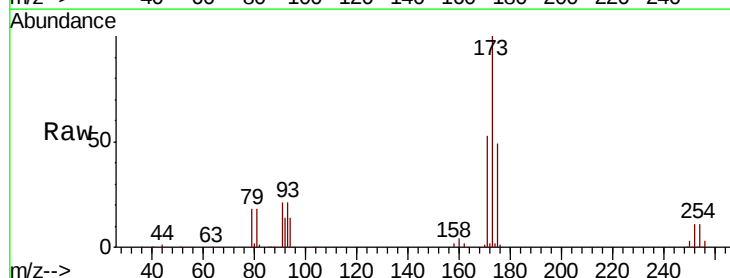
Tgt Ion: 173 Resp: 222091

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

254 10.7 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU035582.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU035582.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU035582.D (-2779) (-)

10.32

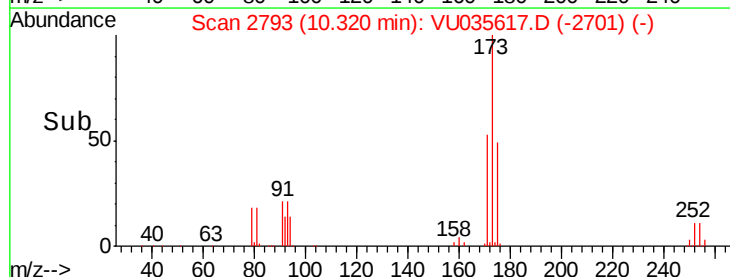
150000

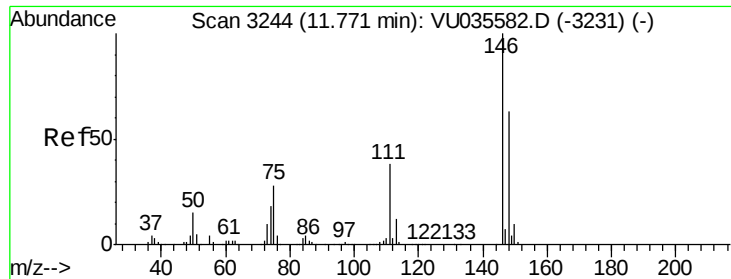
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.950 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

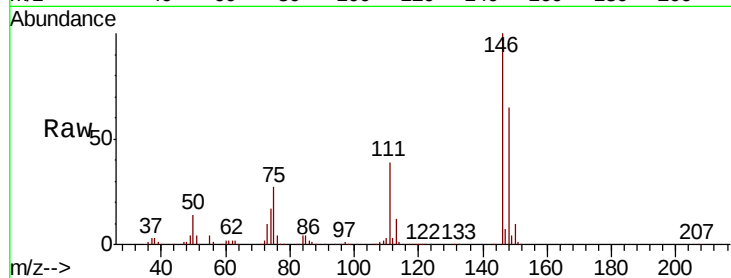
Tot Ion:146 Resp: 473109

Ion Ratio Lower Upper

146 100

111 38.5 27.8 51.6

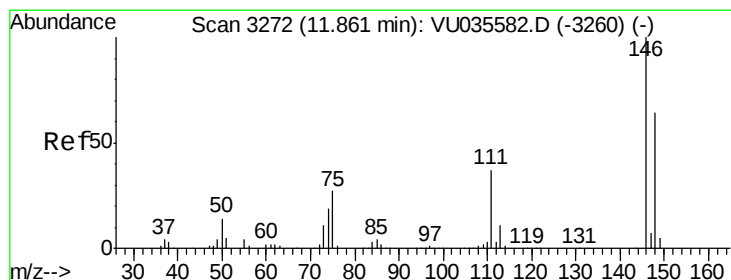
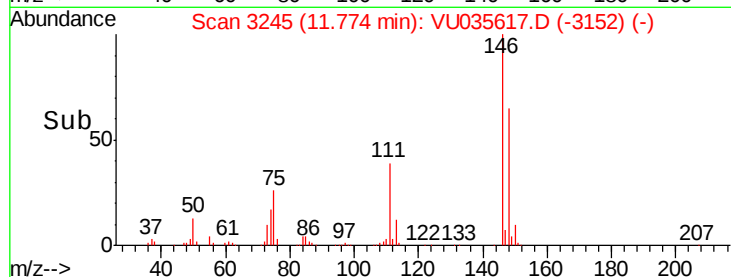
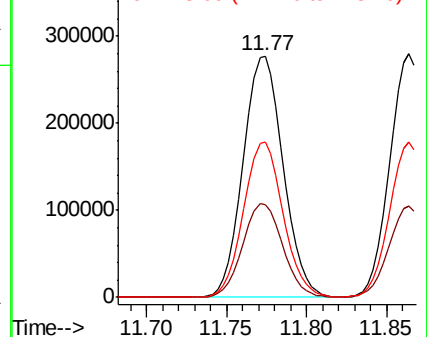
148 64.6 44.5 82.7



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: 46.294 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

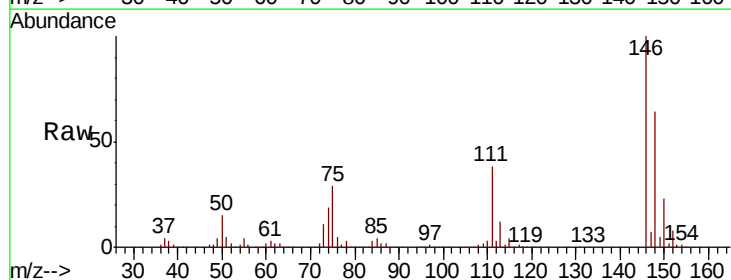
Tgt Ion:146 Resp: 464022

Ion Ratio Lower Upper

146 100

111 37.6 26.5 49.1

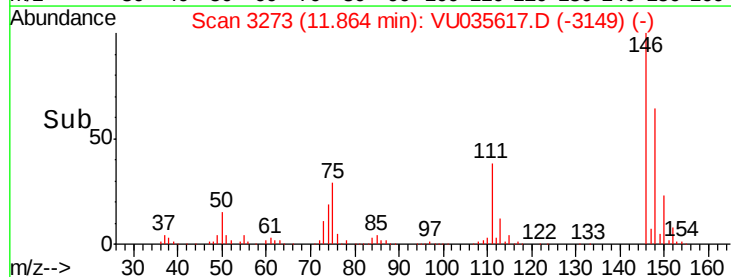
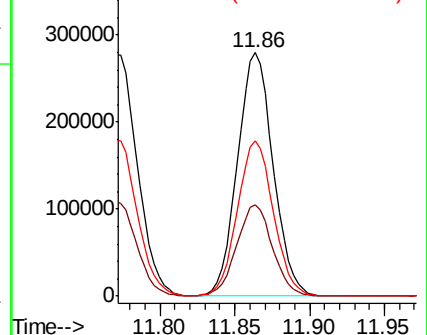
148 63.5 44.4 82.5

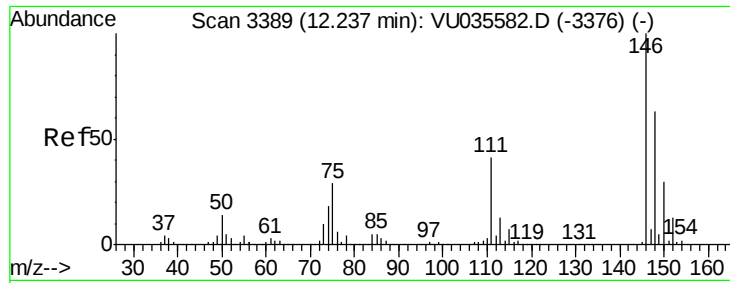


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

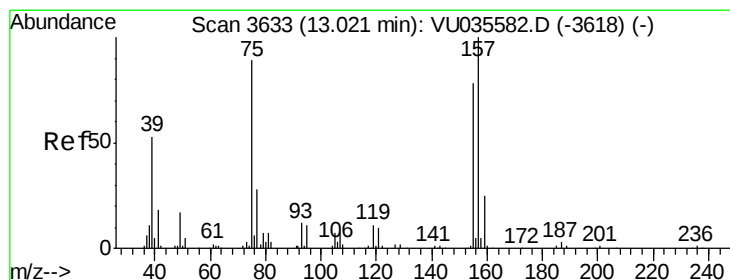
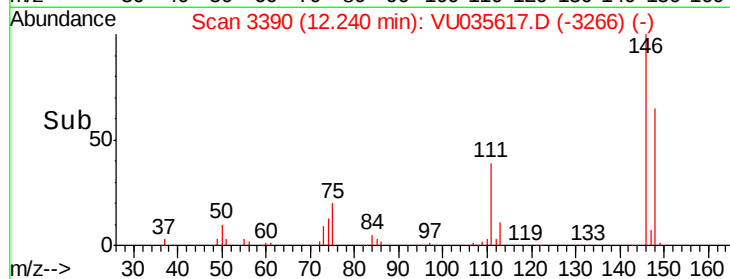
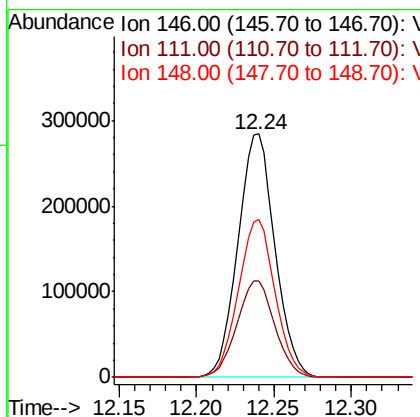
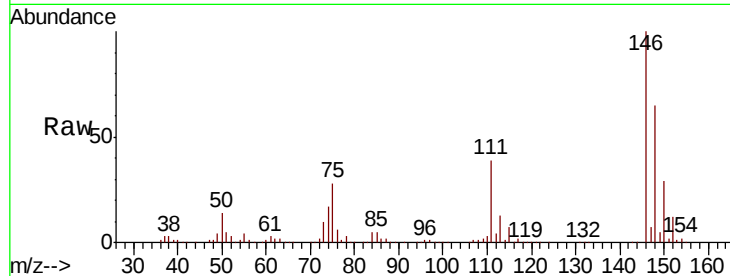




#65
 1,2-Dichlorobenzene
 Concen: 47.069 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

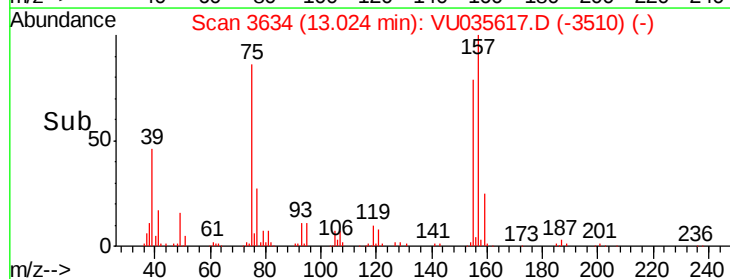
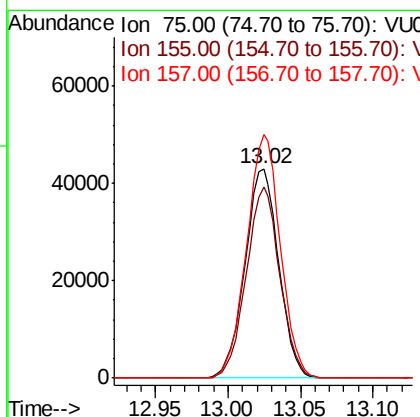
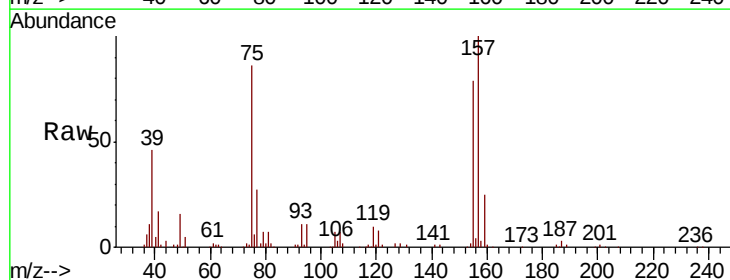
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

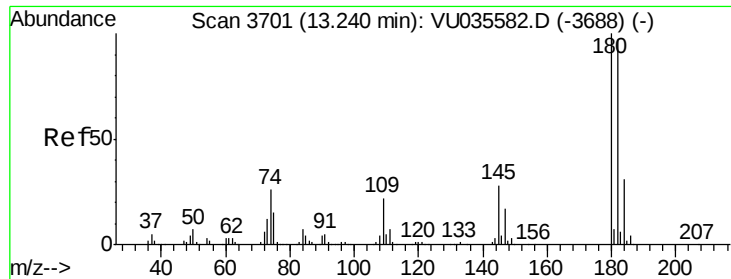
Tot Ion:146 Resp: 472804
 Ion Ratio Lower Upper
 146 100
 111 39.5 32.4 48.6
 148 65.0 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.743 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Tgt Ion: 75 Resp: 69683
 Ion Ratio Lower Upper
 75 100
 155 91.3 72.2 108.4
 157 116.2 92.1 138.1

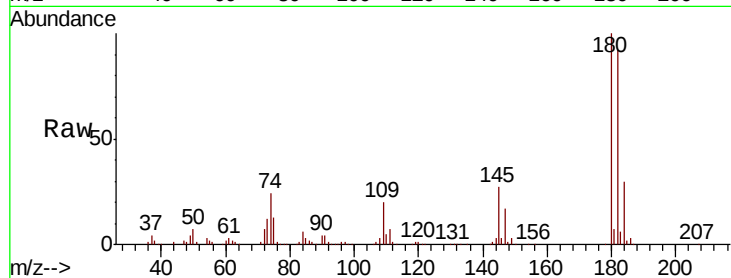




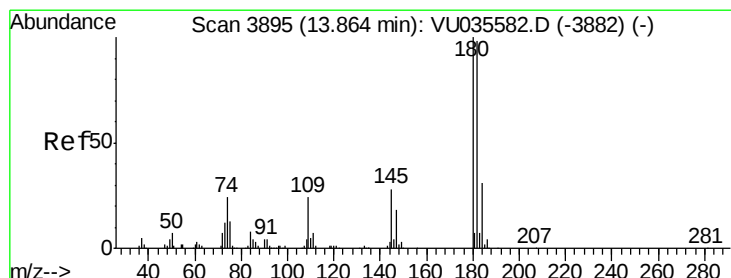
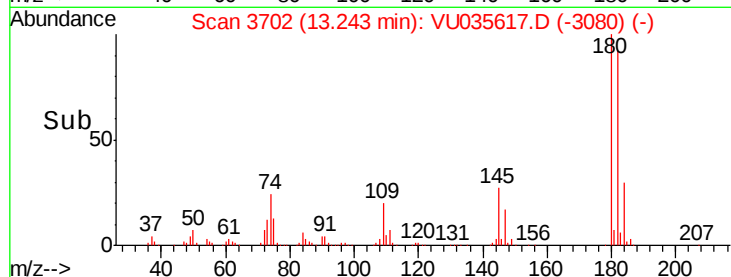
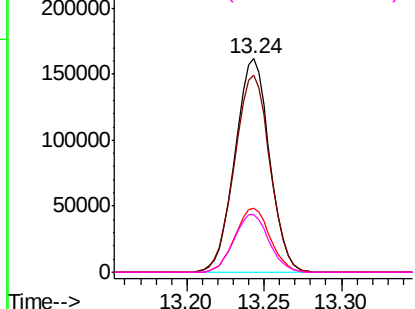
#67
 1,3,5-Trichlorobenzene
 Concen: 43.870 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Tot Ion:180	Resp:	250069
Ion Ratio	Lower	Upper
180	100	
182	95.1	77.0 115.4
184	30.5	24.6 36.8
145	27.6	21.7 32.5

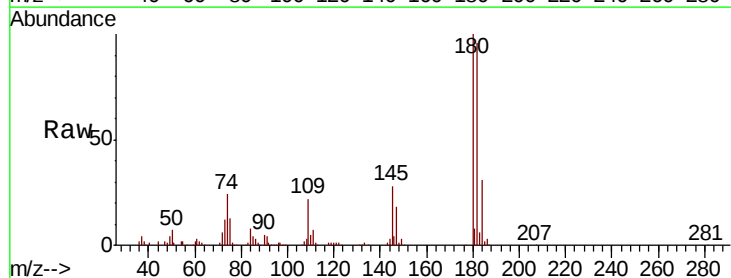


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

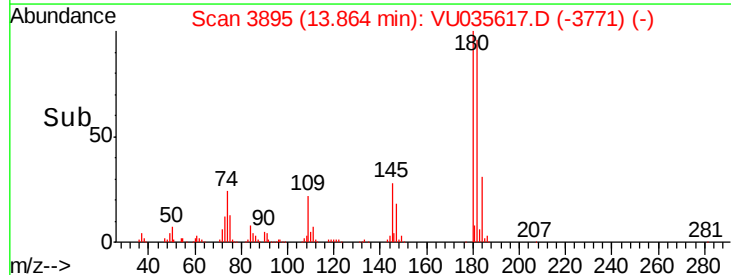
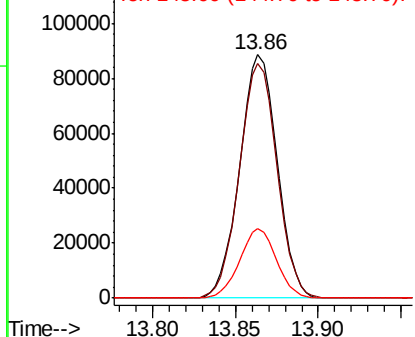


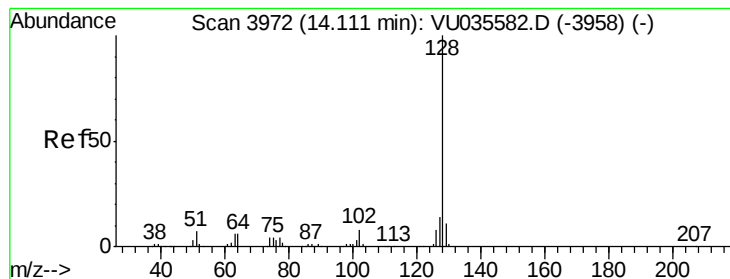
#68
 1,2,4-trichlorobenzene
 Concen: 36.503 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035617.D
 Acq: 05 Nov 2019 09:29

Tgt Ion:180	Resp:	139382
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.6 115.0
145	27.9	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: 33.684 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05035

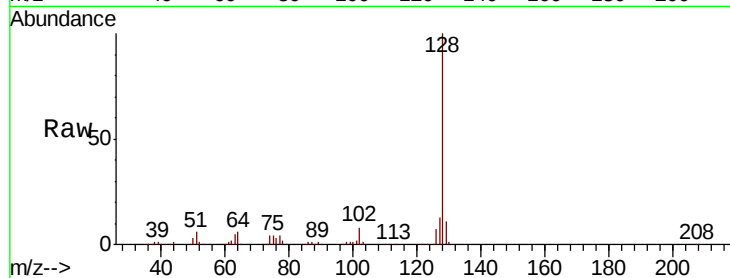
Tot Ion:128 Resp: 329899

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

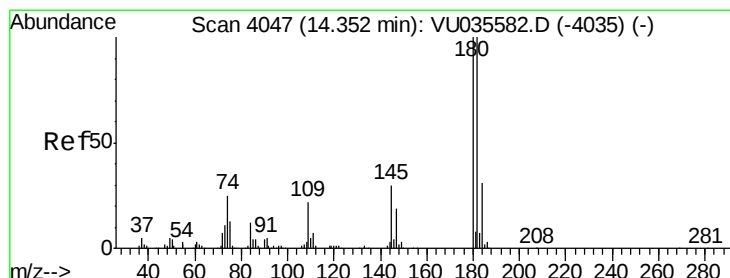
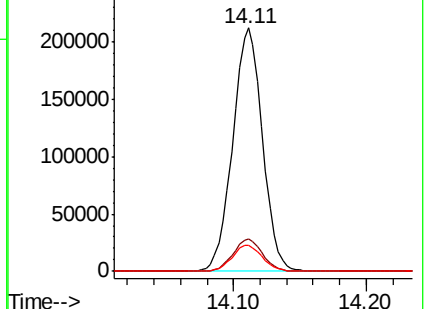
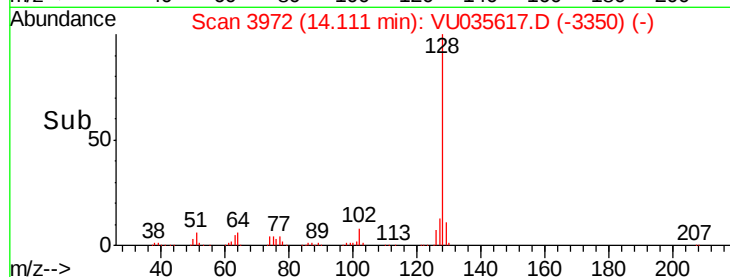
129 10.9 8.5 12.7



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: 37.460 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035617.D

Acq: 05 Nov 2019 09:29

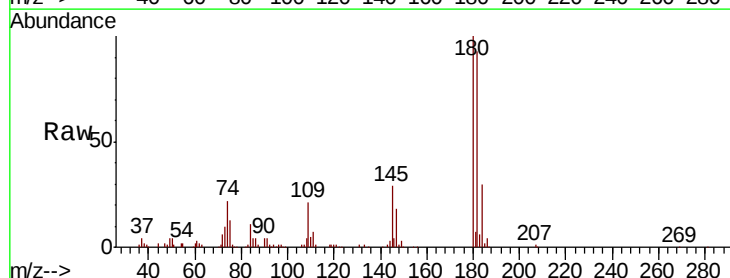
Tgt Ion:180 Resp: 154115

Ion Ratio Lower Upper

180 100

182 94.2 77.6 116.4

145 29.1 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

