

Data File : VU034677.D
Acq On : 20 Sep 2019 03:16
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Sep 20 04:11:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	525883	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	506251	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	247603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	250065	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.90%
7) Chloroethane-d5	1.67	69	196143	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.28%
11) 1,1-Dichloroethene-d2	2.26	63	427946	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
21) 2-Butanone-d5	4.15	46	420493	101.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.91%
24) Chloroform-d	4.62	84	384658	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
26) 1,2-Dichloroethane-d4	5.29	65	273138	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
32) Benzene-d6	5.32	84	765175	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
36) 1,2-Dichloropropane-d6	6.31	67	259739	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.54	98	716215	47.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.96%
43) trans-1,3-Dichloropropene-	7.83	79	126282	48.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.16%
47) 2-Hexanone-d5	8.29	63	271655	98.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.62%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	358573	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	250717	48.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.58%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	244794	45.164	ug/L	99
3) Chloromethane	1.32	50	284313	43.791	ug/L	100
5) Vinyl chloride	1.40	62	264749	44.647	ug/L	98
6) Bromomethane	1.62	94	135124	41.723	ug/L	95
8) Chloroethane	1.69	64	155650	45.596	ug/L	98
9) Trichlorofluoromethane	1.88	101	331479	44.335	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	158850	44.311	ug/L	98
12) 1,1-Dichloroethene	2.27	96	159340	46.311	ug/L	96
13) Acetone	2.31	43	266509	55.526	ug/L	99
14) Carbon disulfide	2.46	76	519752	44.771	ug/L	98
15) Methyl Acetate	2.60	43	299113	46.653	ug/L	99
16) Methylene chloride	2.68	84	196197	45.016	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	171838	45.680	ug/L	92
18) Methyl tert-butyl Ether	2.98	73	646566	46.329	ug/L	99
19) 1,1-Dichloroethane	3.42	63	401249	46.497	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	200600	45.607	ug/L	95
22) 2-Butanone	4.23	43	421900	73.887	ug/L	98

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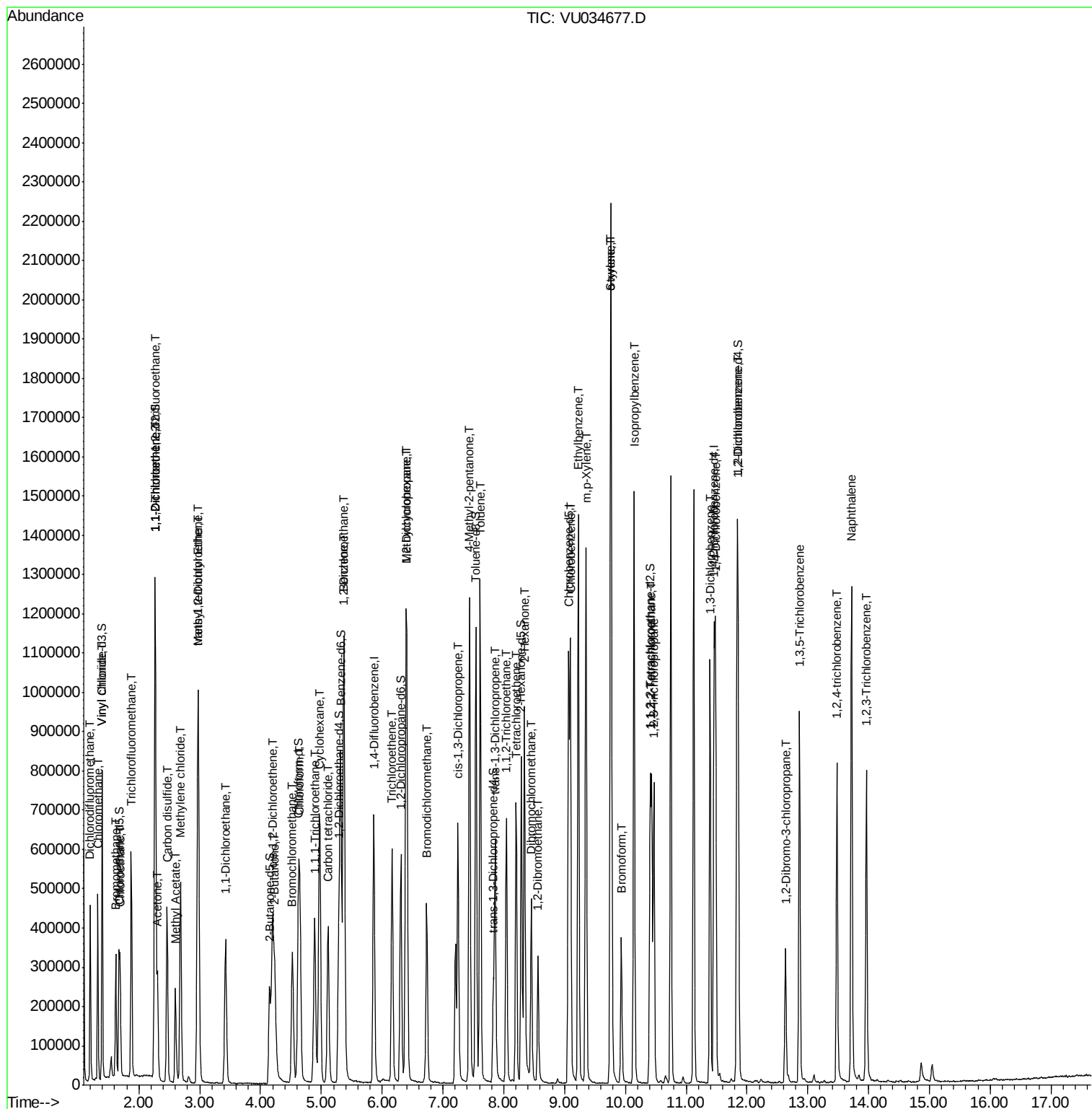
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	93911	44.607	ug/L	92
25) Chloroform	4.65	83	374055	44.018	ug/L	98
27) 1,2-Dichloroethane	5.38	62	326106	44.424	ug/L	99
29) Cyclohexane	4.97	56	373878	44.744	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	306282	44.452	ug/L	99
31) Carbon tetrachloride	5.11	117	263850	44.931	ug/L	97
33) Benzene	5.37	78	803020	45.735	ug/L	100
34) Trichloroethene	6.16	95	198036	45.670	ug/L	98
35) Methylcyclohexane	6.39	83	320660	43.576	ug/L	97
37) 1,2-Dichloropropane	6.41	63	238322	45.585	ug/L	100
38) Bromodichloromethane	6.73	83	281220	44.355	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	360512	45.893	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	897611	89.929	ug/L	99
42) Toluene	7.61	91	861501	45.401	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	317813	44.878	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	193576	46.224	ug/L	96
46) Tetrachloroethene	8.21	164	139827	45.842	ug/L	95
48) 2-Hexanone	8.34	43	671074	86.083	ug/L	99
49) Dibromochloromethane	8.45	129	211809	45.376	ug/L	98
50) 1,2-Dibromoethane	8.56	107	208664	46.232	ug/L	99
51) Chlorobenzene	9.10	112	523127	45.351	ug/L	99
52) Ethylbenzene	9.23	91	969004	45.349	ug/L	99
53) m,p-Xylene	9.35	106	352360	46.557	ug/L	96
54) o-xylene	9.76	106	351396	46.942	ug/L	97
55) Styrene	9.77	104	589038	46.487	ug/L	98
56) Isopropylbenzene	10.14	105	911815	45.174	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	360353	44.801	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	287235	43.988	ug/L	98
61) Bromoform	9.94	173	152842	44.834	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	393010	45.834	ug/L	95
63) 1,4-Dichlorobenzene	11.48	146	386294	44.224	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	389945	45.008	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	79589	43.218	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	263572	45.877	ug/L	95
68) 1,2,4-trichlorobenzene	13.48	180	221400	49.005	ug/L	100
69) Naphthalene	13.72	128	934649	59.759	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	222972	47.964	ug/L	97

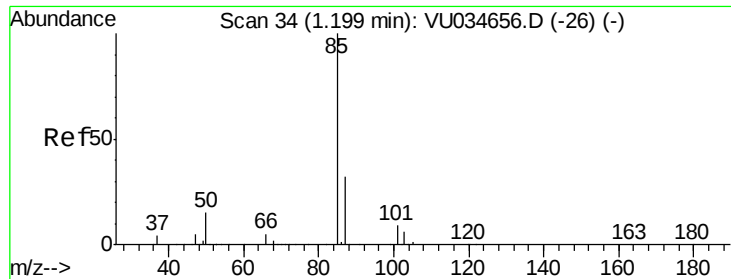
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.164 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

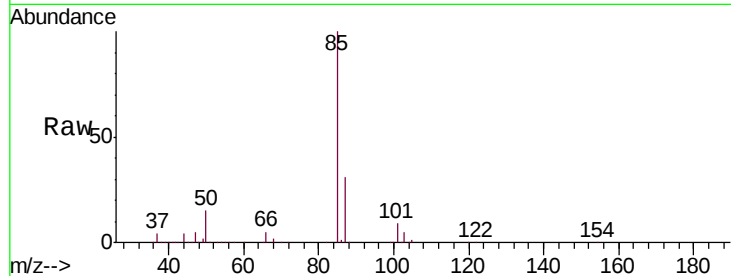
VSTD05059

Tgt Ion: 85 Resp: 244794

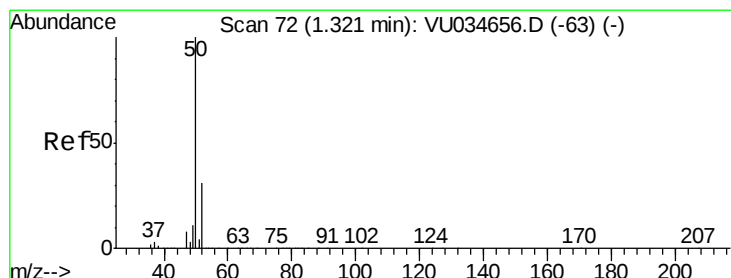
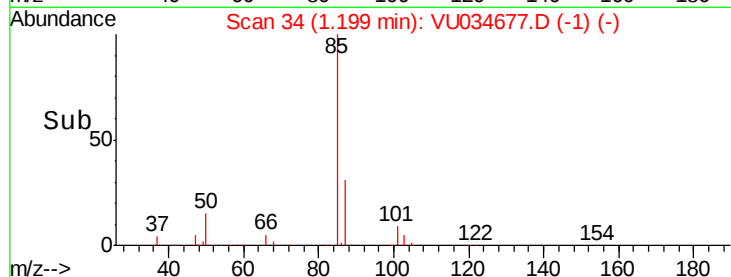
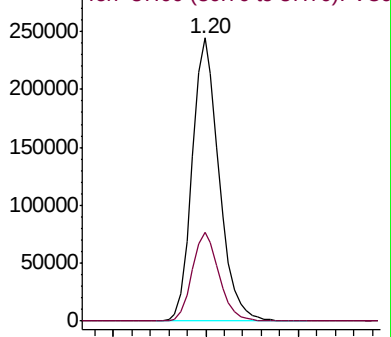
Ion Ratio Lower Upper

85 100

87 31.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034656.D (-26) (-)



#3

Chloromethane

Concen: 43.791 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034677.D

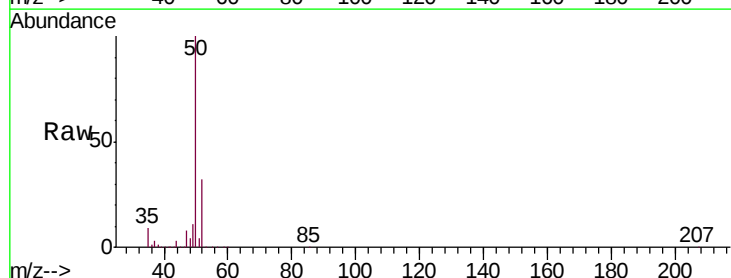
Acq: 20 Sep 2019 03:16

Tgt Ion: 50 Resp: 284313

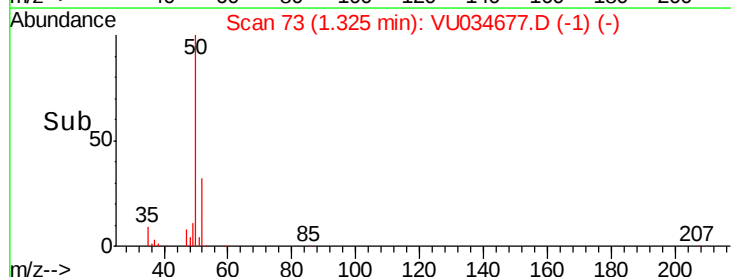
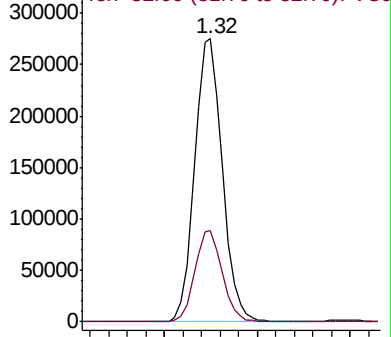
Ion Ratio Lower Upper

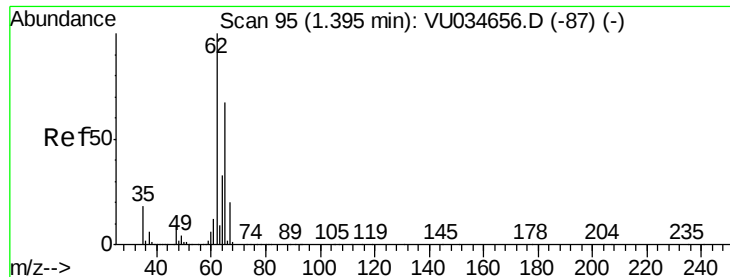
50 100

52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034656.D (-63) (-)





#5

Vinyl chloride

Concen: 44.647 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

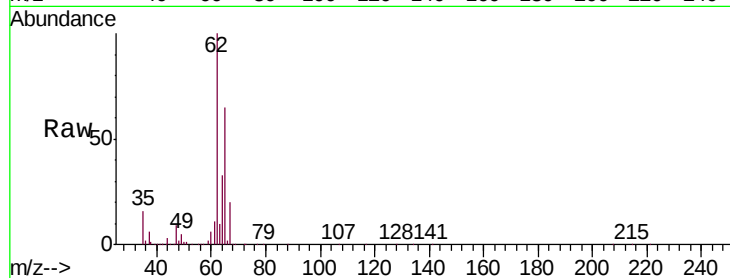
VSTD05059

Tgt Ion: 62 Resp: 264749

Ion Ratio Lower Upper

62 100

64 33.1 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034656.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034656.D (-87) (-)

1.40

250000

200000

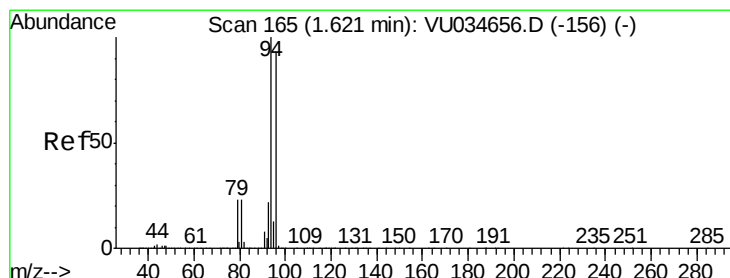
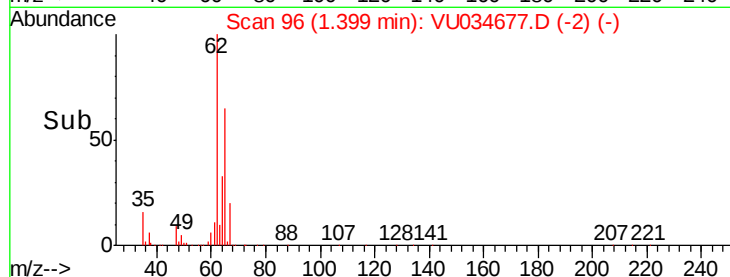
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 41.723 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034677.D

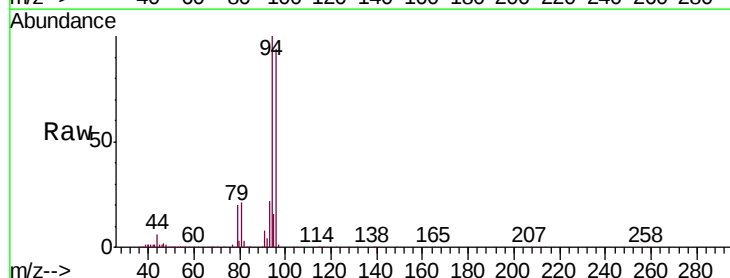
Acq: 20 Sep 2019 03:16

Tgt Ion: 94 Resp: 135124

Ion Ratio Lower Upper

94 100

96 94.4 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034656.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034656.D (-156) (-)

1.62

120000

100000

80000

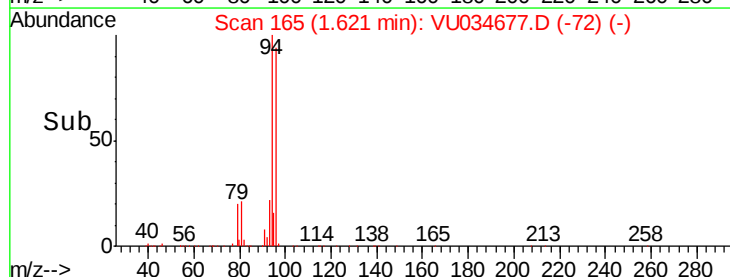
60000

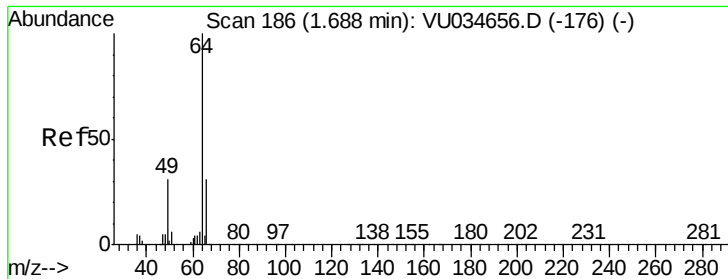
40000

20000

0

Time-->





#8

Chloroethane

Concen: 45.596 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

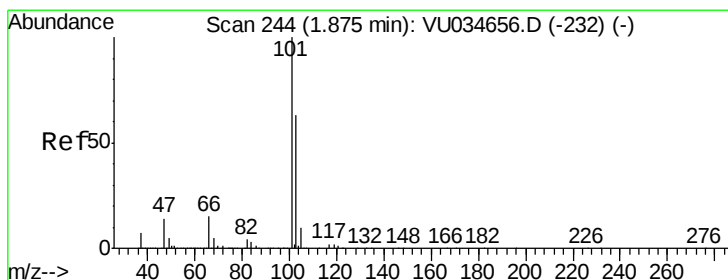
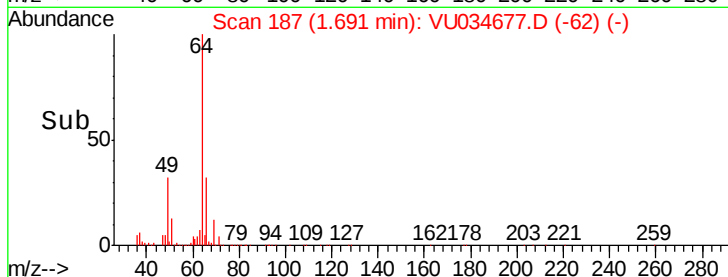
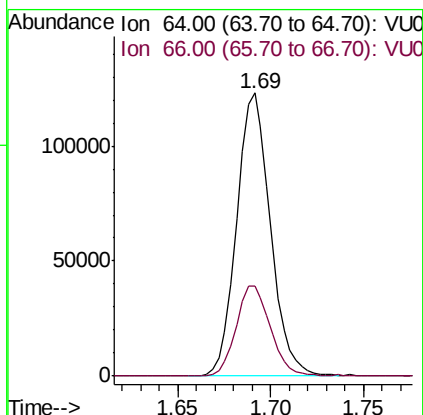
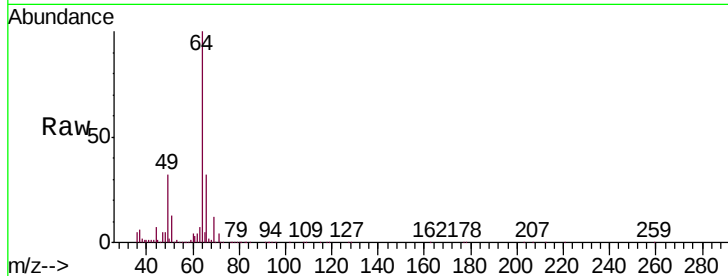
VSTD05059

Tgt Ion: 64 Resp: 155650

Ion Ratio Lower Upper

64 100

66 31.9 23.1 42.9



#9

Trichlorofluoromethane

Concen: 44.335 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034677.D

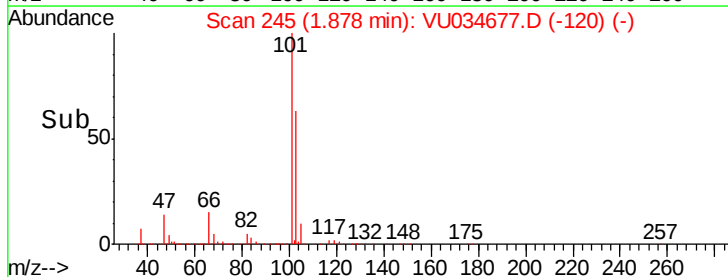
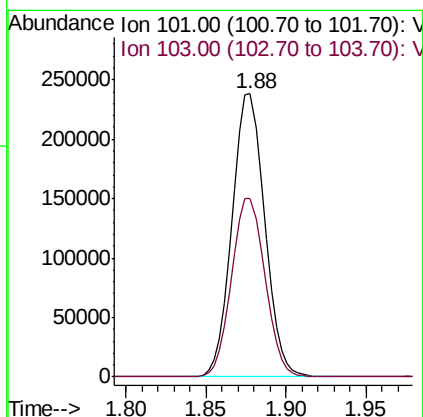
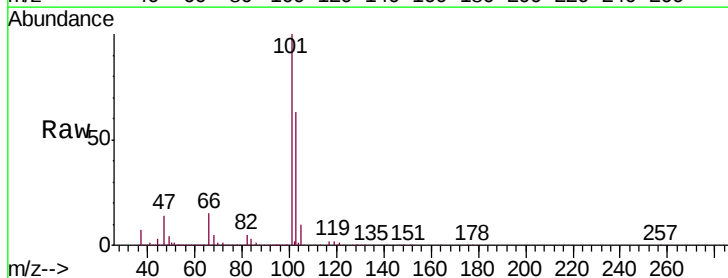
Acq: 20 Sep 2019 03:16

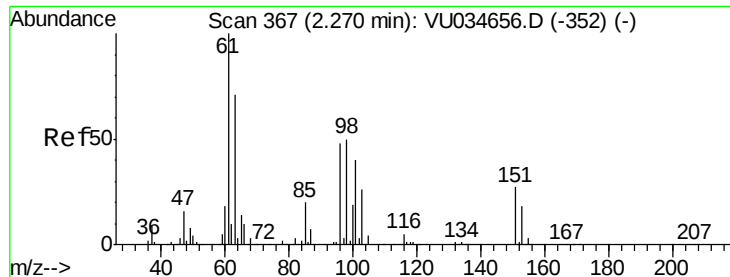
Tgt Ion: 101 Resp: 331479

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.8





#10

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

Concen: 44.311 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

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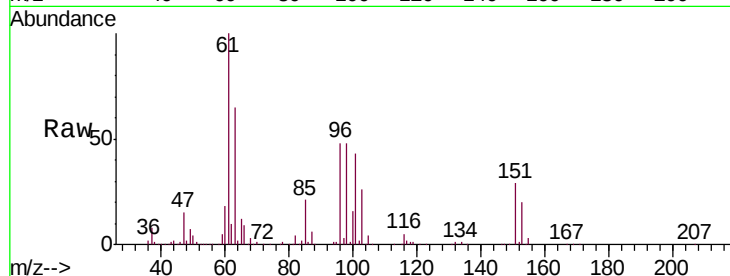
Tgt Ion:101 Resp: 158850

Ion Ratio Lower Upper

101 100

85 47.8 39.0 58.4

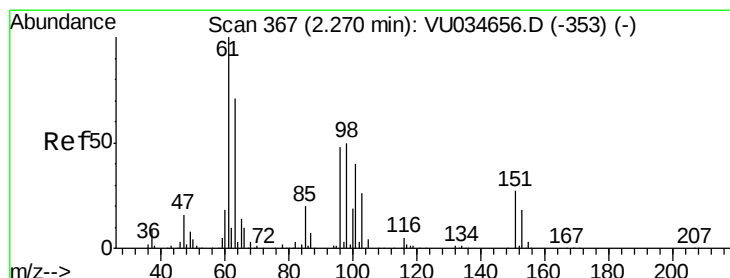
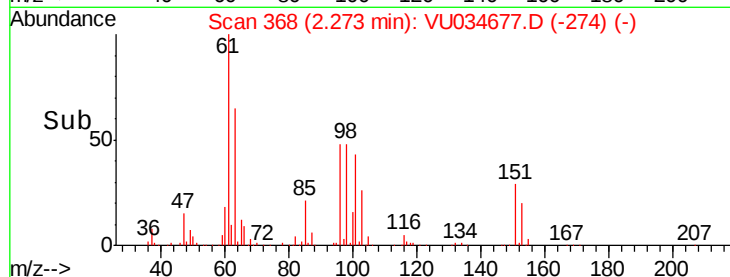
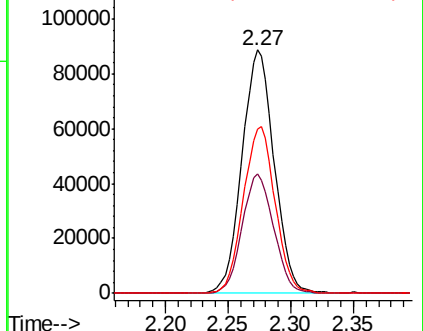
151 67.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.311 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

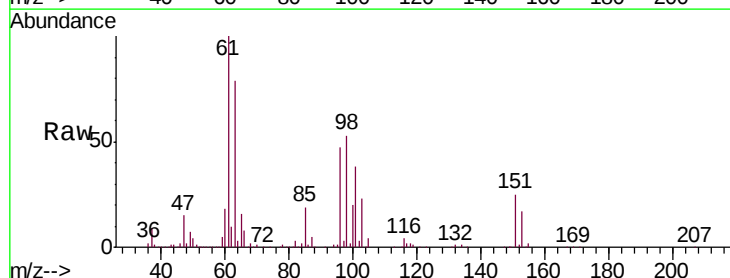
Tgt Ion: 96 Resp: 159340

Ion Ratio Lower Upper

96 100

61 211.9 153.2 284.4

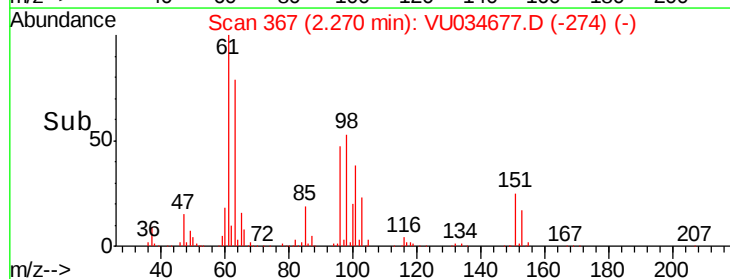
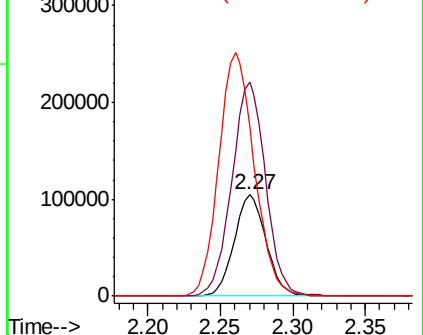
63 167.6 113.8 211.3

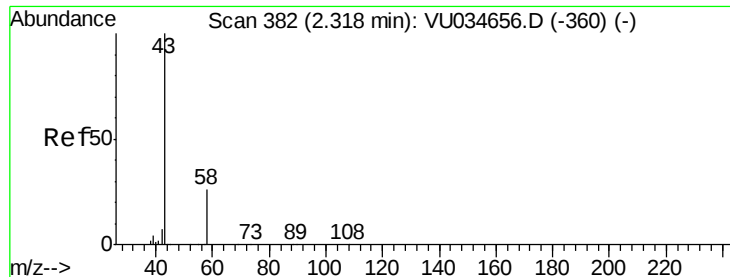


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.526 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

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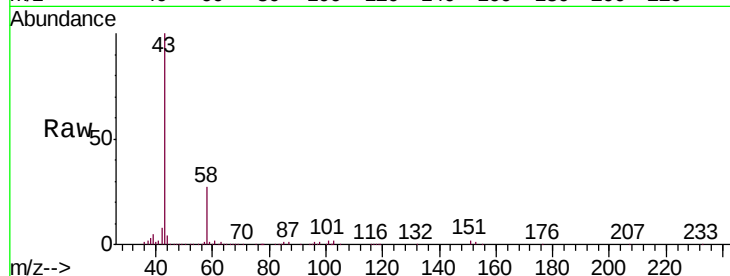
VSTD05059

Tgt Ion: 43 Resp: 266509

Ion Ratio Lower Upper

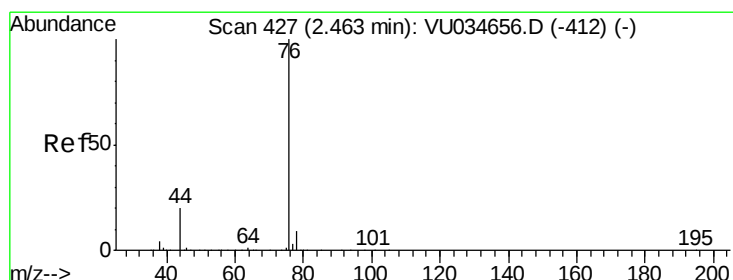
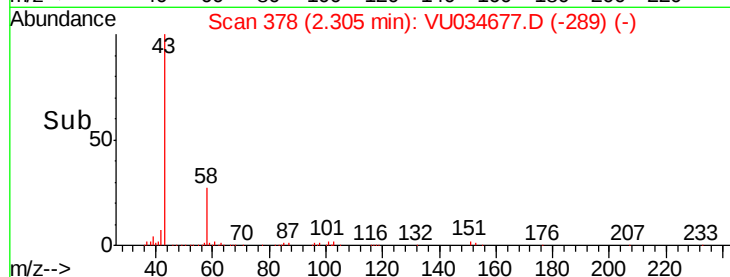
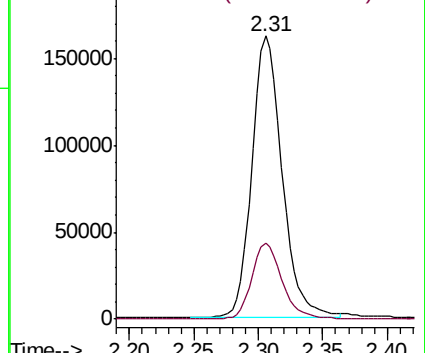
43 100

58 27.1 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034656.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU034656.D (-360) (-)



#14

Carbon disulfide

Concen: 44.771 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034677.D

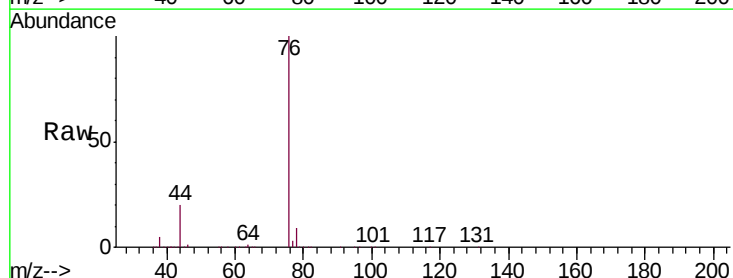
Acq: 20 Sep 2019 03:16

Tgt Ion: 76 Resp: 519752

Ion Ratio Lower Upper

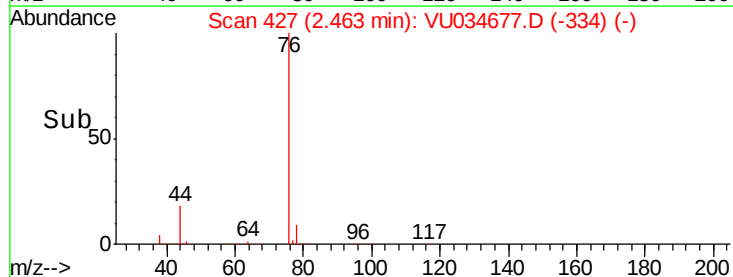
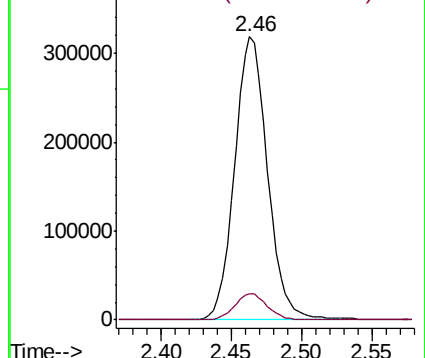
76 100

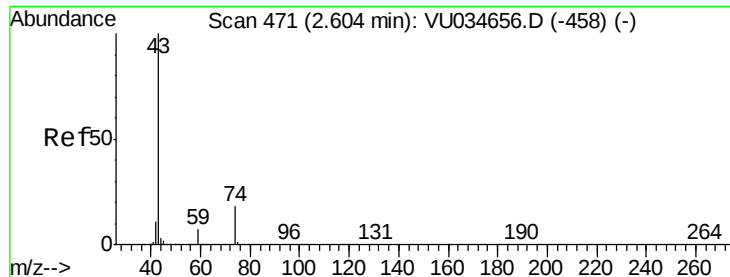
78 9.3 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034656.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU034656.D (-412) (-)

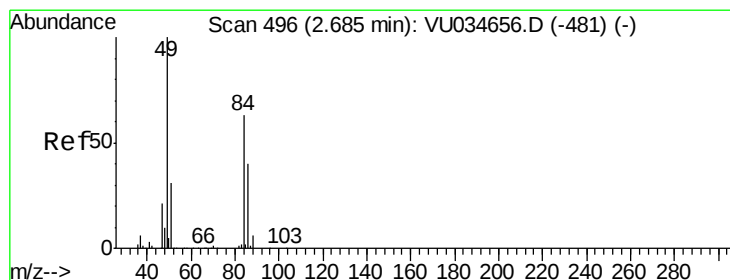
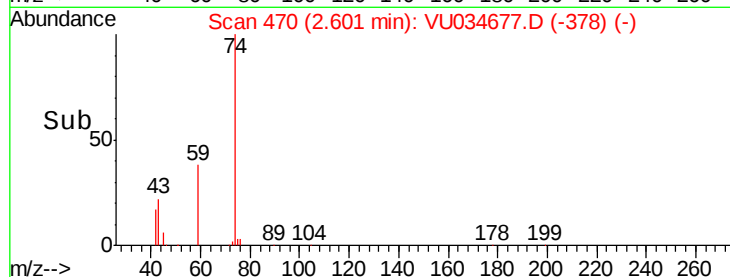
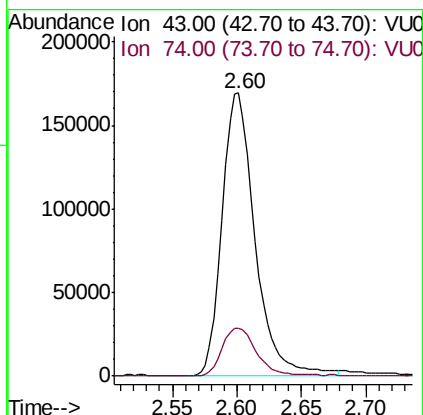
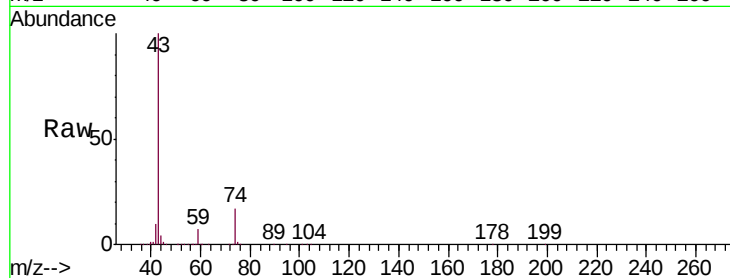




#15
Methyl Acetate
Concen: 46.653 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

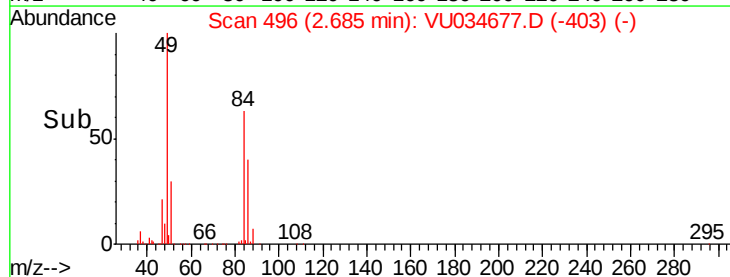
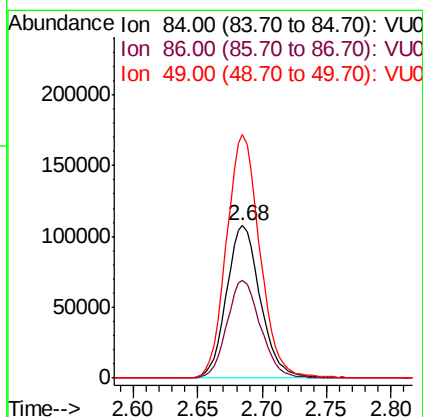
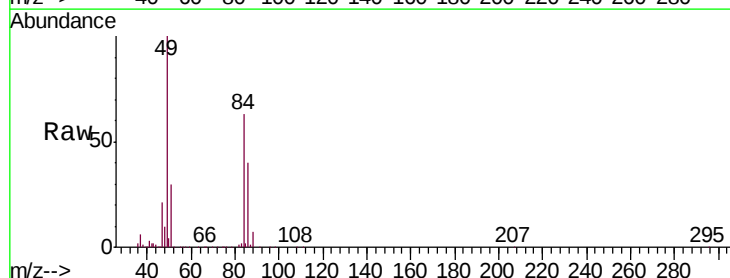
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

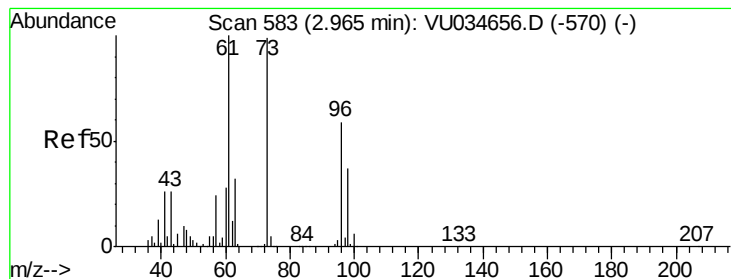
Tgt Ion: 43 Resp: 299113
Ion Ratio Lower Upper
43 100
74 17.8 14.4 21.6



#16
Methylene chloride
Concen: 45.016 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

Tgt Ion: 84 Resp: 196197
Ion Ratio Lower Upper
84 100
86 64.2 43.0 80.0
49 160.0 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 45.680 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

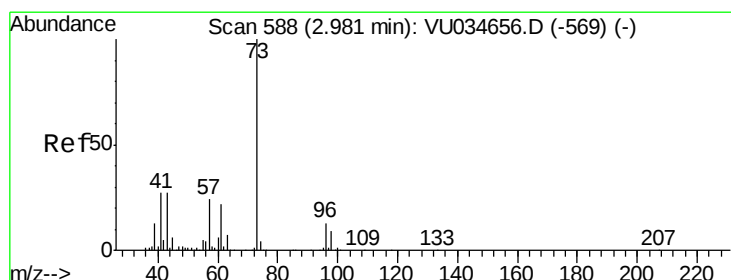
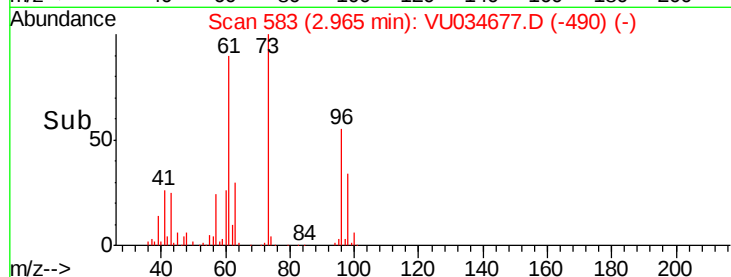
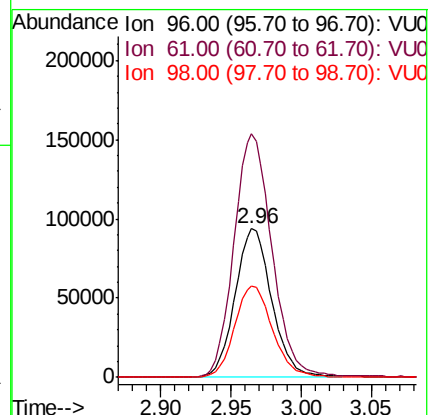
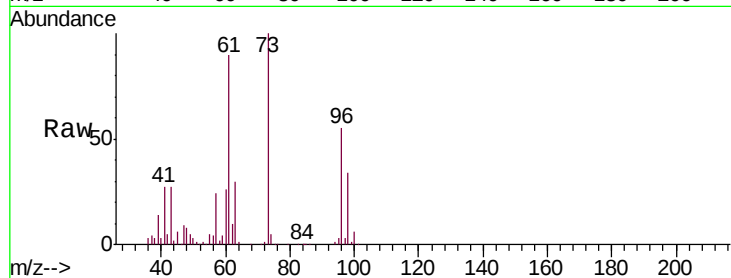
Tgt Ion: 96 Resp: 171838

Ion Ratio Lower Upper

96 100

61 164.0 124.0 230.4

98 61.6 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 46.329 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

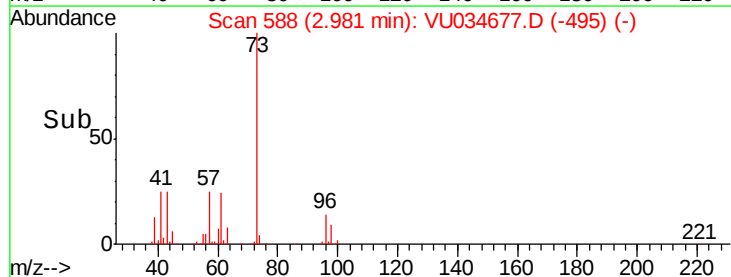
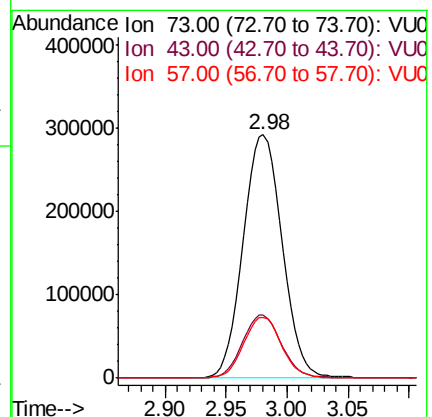
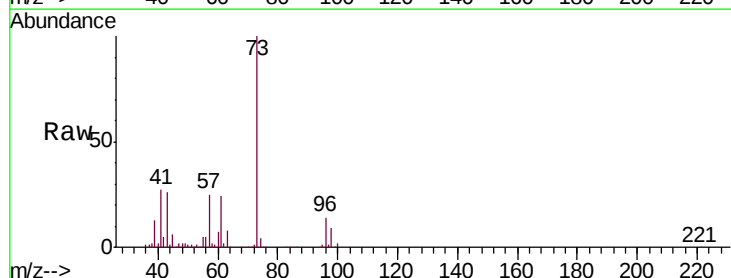
Tgt Ion: 73 Resp: 646566

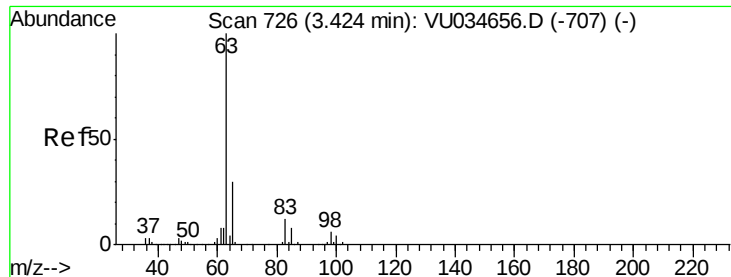
Ion Ratio Lower Upper

73 100

43 25.2 20.9 31.3

57 24.4 19.5 29.3

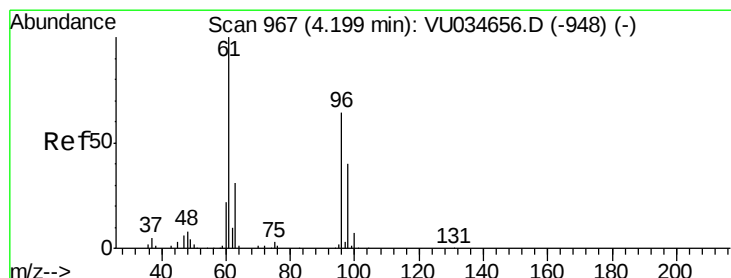
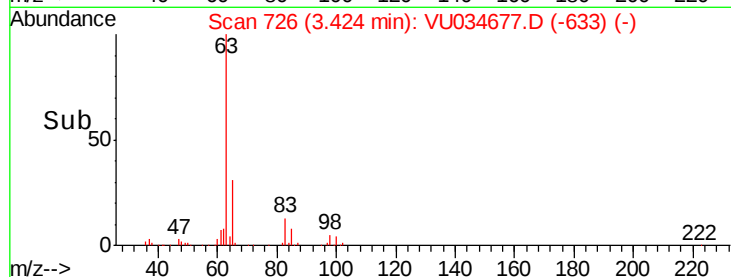
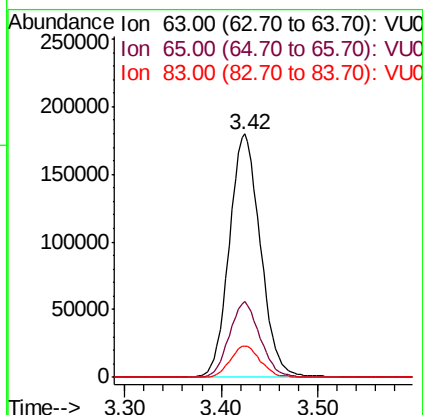
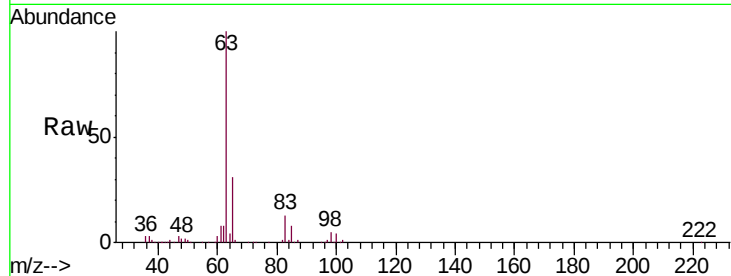




#19
 1,1-Dichloroethane
 Concen: 46.497 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

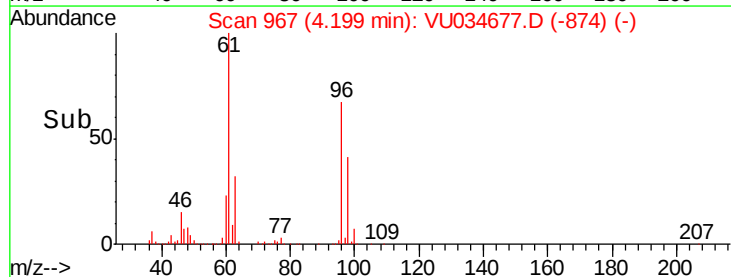
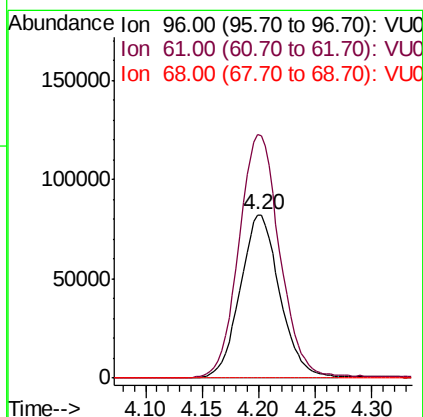
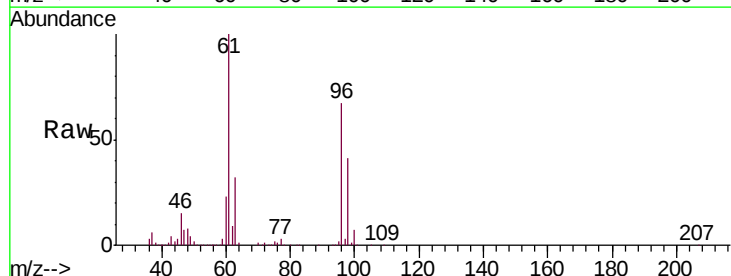
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

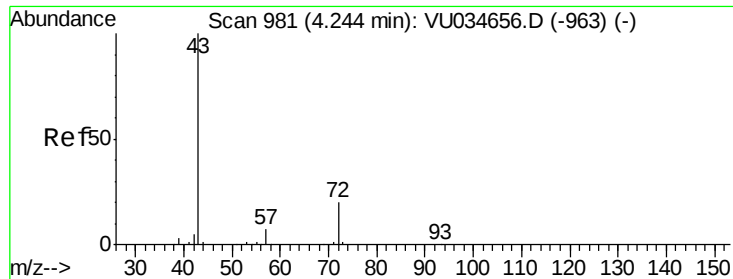
Tgt Ion: 63 Resp: 401249
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 40.8
 83 13.0 8.9 16.5



#20
 cis-1,2-Dichloroethene
 Concen: 45.607 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion: 96 Resp: 200600
 Ion Ratio Lower Upper
 96 100
 61 148.8 108.8 202.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 73.887 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.01 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

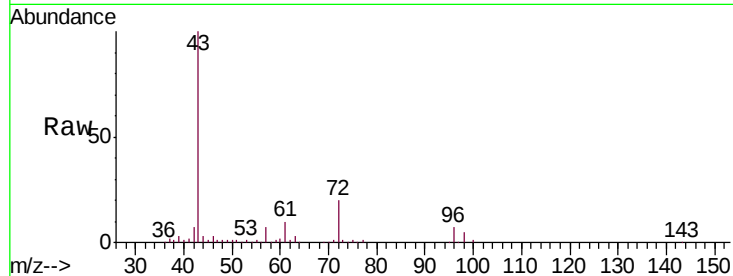
VSTD05059

Tgt Ion: 43 Resp: 421900

Ion Ratio Lower Upper

43 100

72 21.1 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034677.D (-978) (-)

Ion 72.00 (71.70 to 72.70): VU034677.D (-978) (-)

4.23

150000

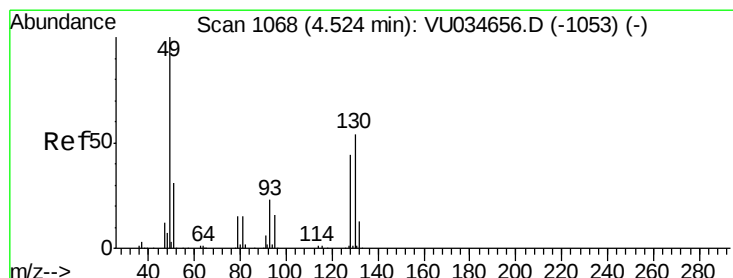
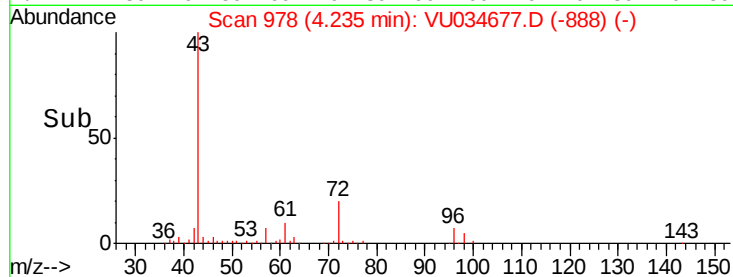
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#23

Bromochloromethane

Concen: 44.607 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Tgt Ion: 128 Resp: 93911

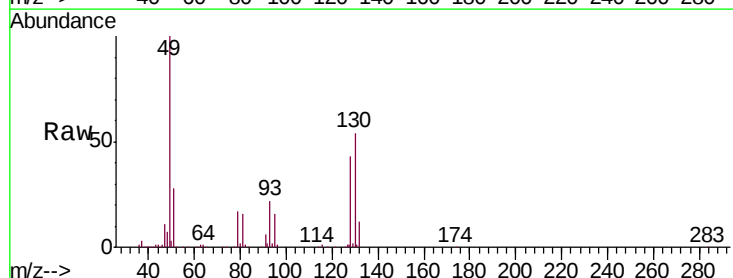
Ion Ratio Lower Upper

128 100

49 234.9 154.3 286.7

130 126.8 83.0 154.2

51 66.5 56.4 84.6



Abundance Ion 128.00 (127.70 to 128.70): VU034677.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034677.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034677.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034677.D (-975) (-)

150000

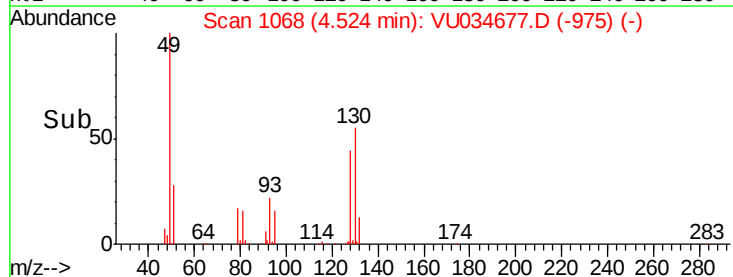
100000

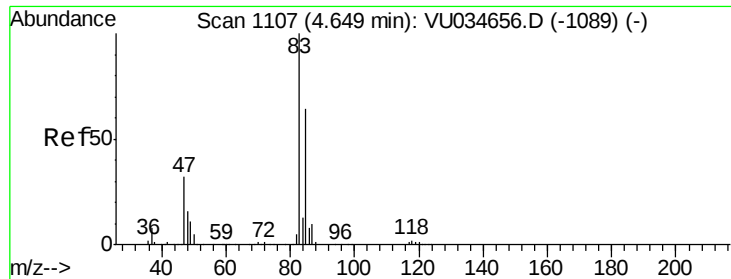
50000

0

4.45 4.50 4.55 4.60

Time-->

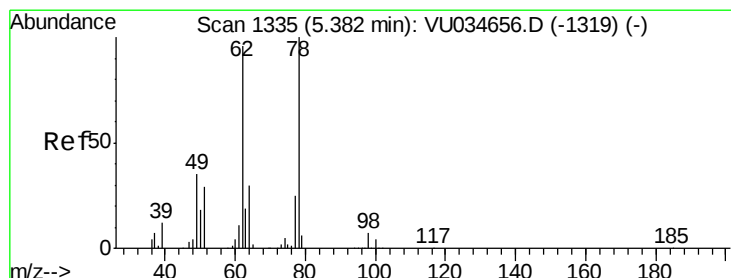
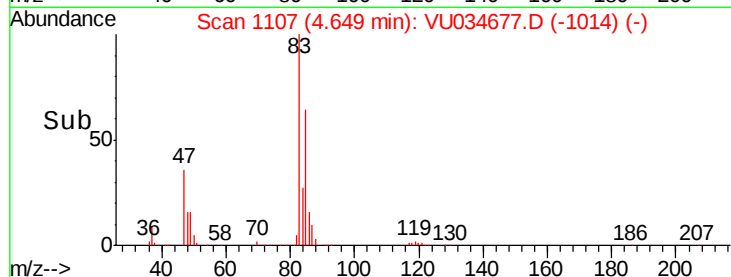
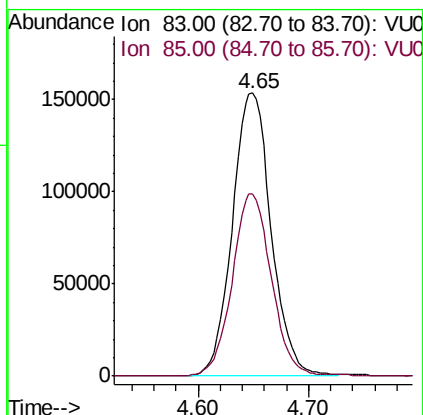
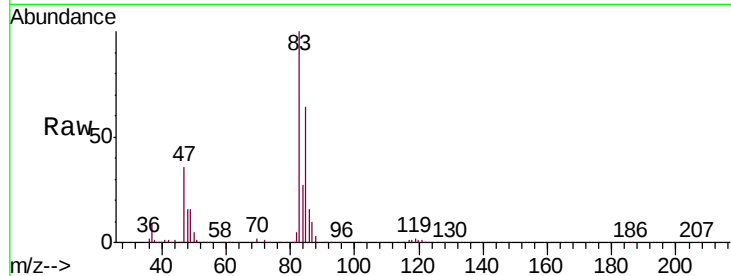




#25
Chloroform
Concen: 44.018 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

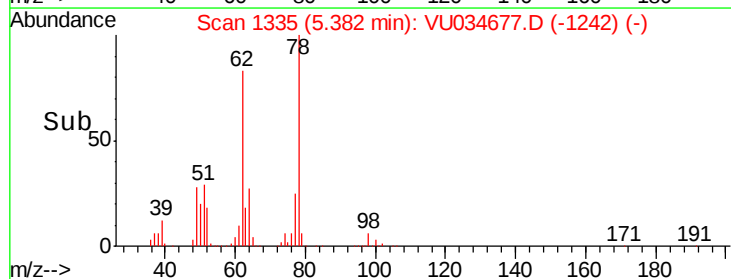
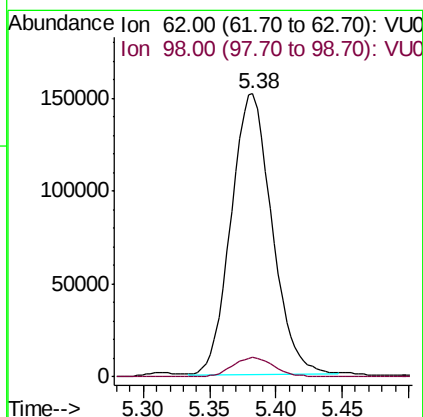
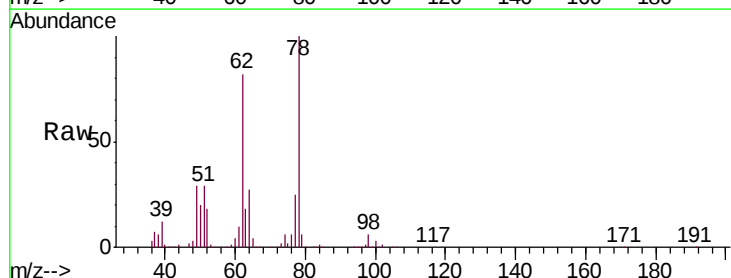
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

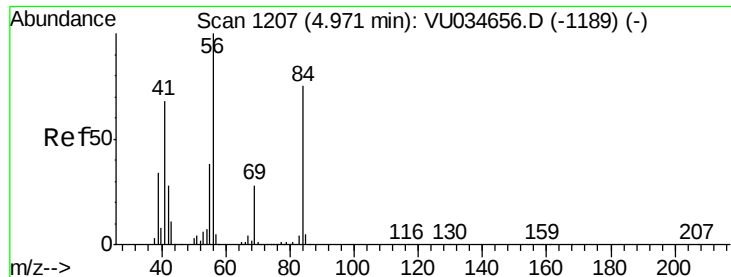
Tgt Ion: 83 Resp: 374055
Ion Ratio Lower Upper
83 100
85 64.3 44.0 81.6



#27
1,2-Dichloroethane
Concen: 44.424 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

Tgt Ion: 62 Resp: 326106
Ion Ratio Lower Upper
62 100
98 6.9 5.3 7.9

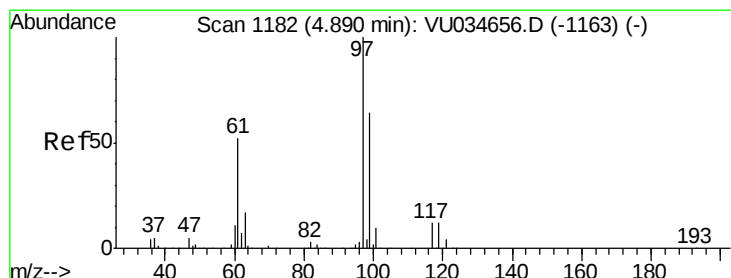
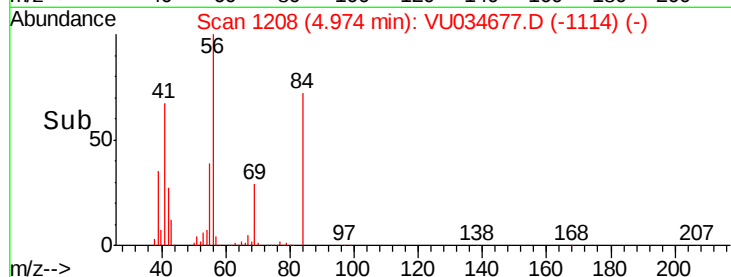
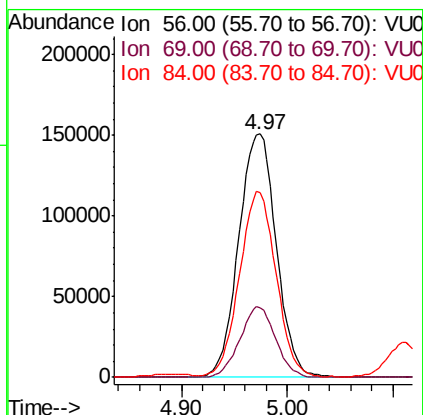
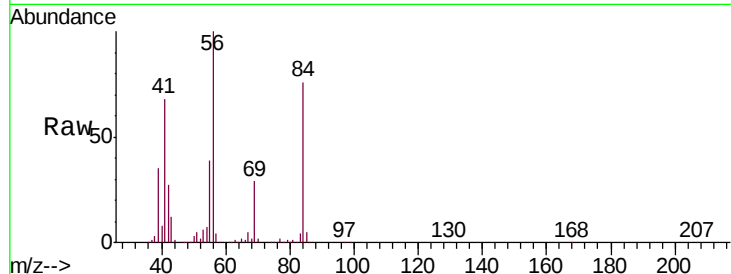




#29
Cyclohexane
Concen: 44.744 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

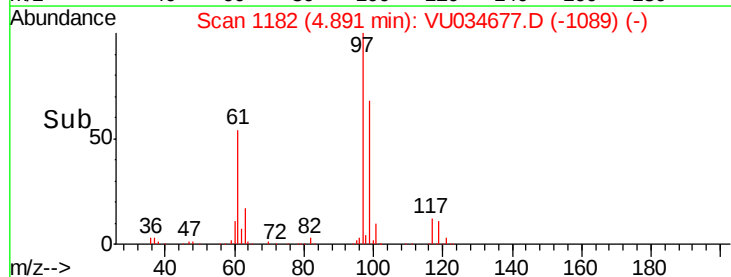
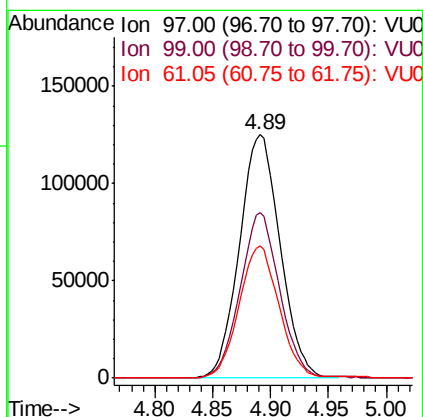
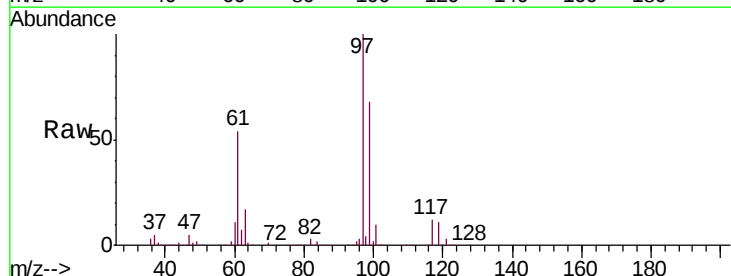
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

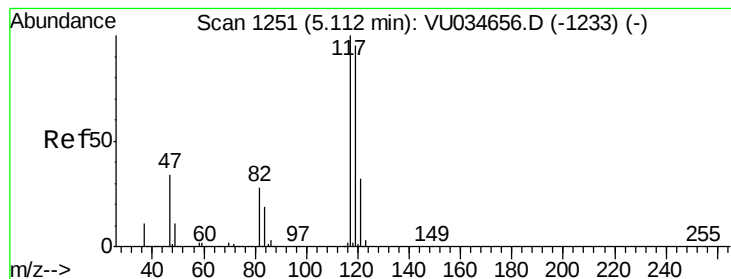
Tgt Ion: 56 Resp: 373878
Ion Ratio Lower Upper
56 100
69 27.5 21.7 32.5
84 73.4 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 44.452 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

Tgt Ion: 97 Resp: 306282
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.8
61 52.8 43.4 65.0





#31

Carbon tetrachloride

Concen: 44.931 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

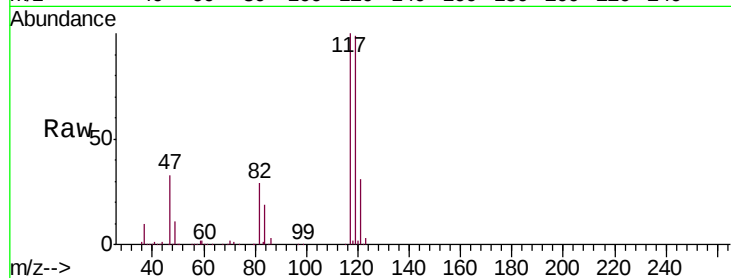
VSTD05059

Tgt Ion:117 Resp: 263850

Ion Ratio Lower Upper

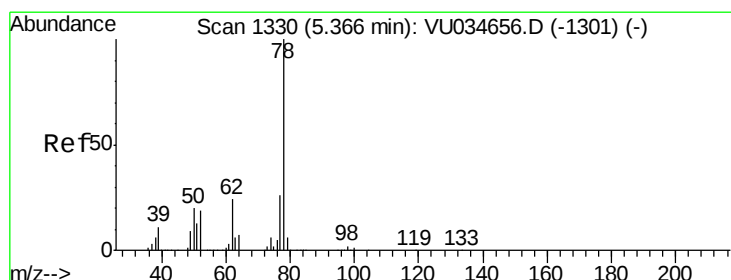
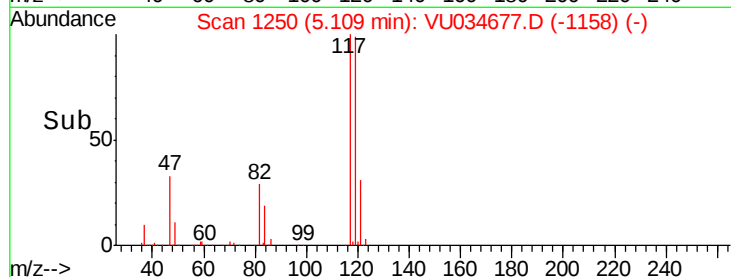
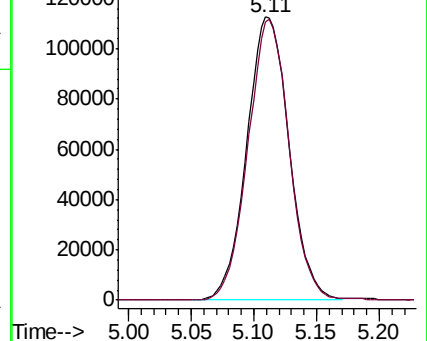
117 100

119 96.8 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.735 ug/L

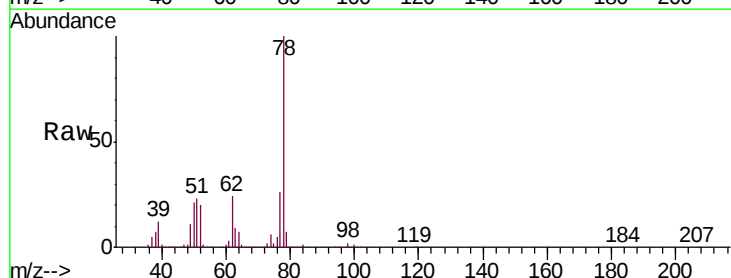
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

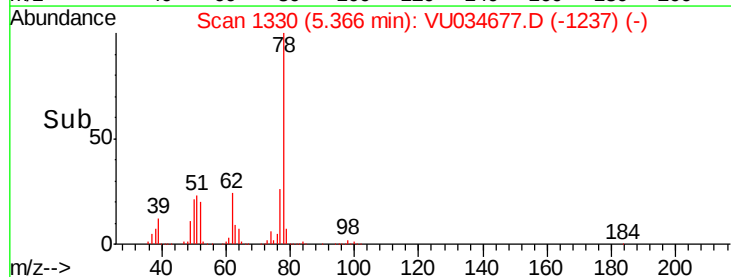
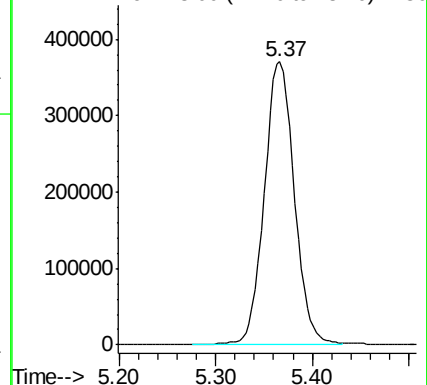
Lab File: VU034677.D

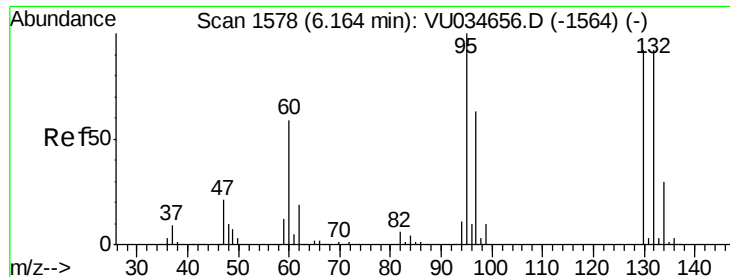
Acq: 20 Sep 2019 03:16

Tgt Ion: 78 Resp: 803020



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.670 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 198036

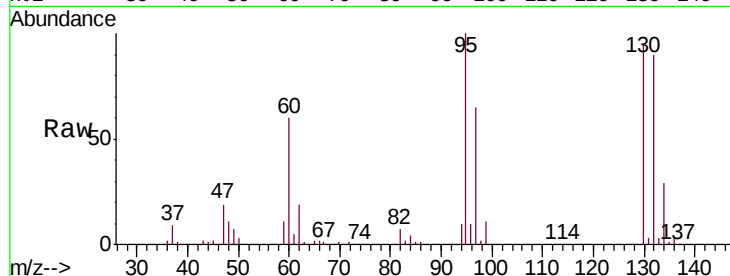
Ion Ratio Lower Upper

95 100

97 64.8 43.7 81.1

132 90.4 61.0 113.2

130 94.6 65.7 121.9

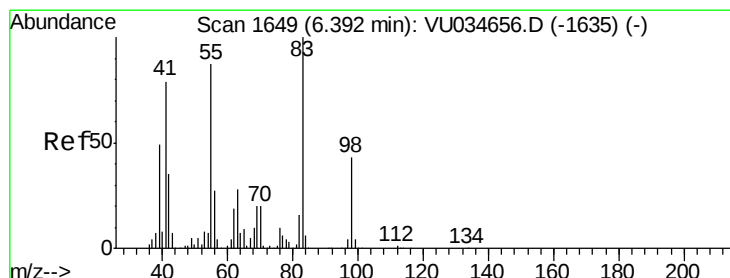
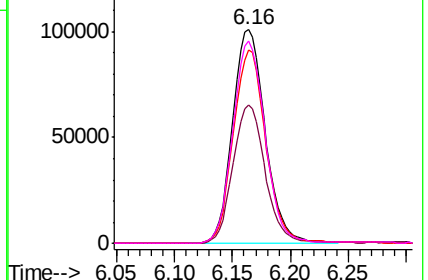
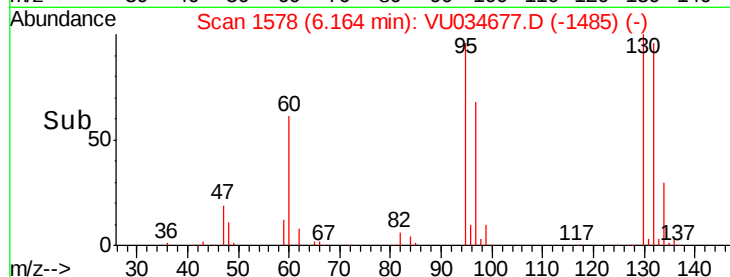


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 43.576 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

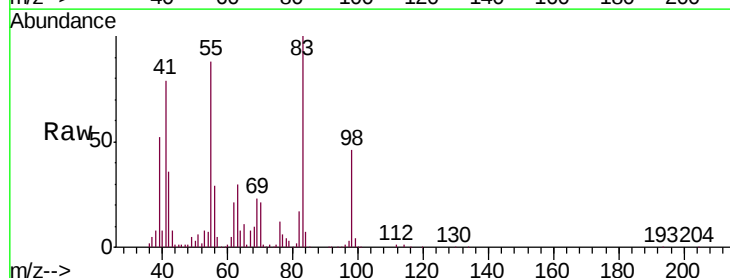
Tgt Ion: 83 Resp: 320660

Ion Ratio Lower Upper

83 100

55 86.3 71.6 107.4

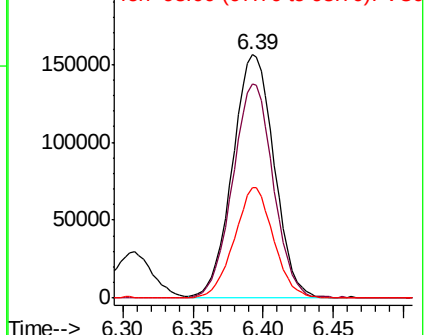
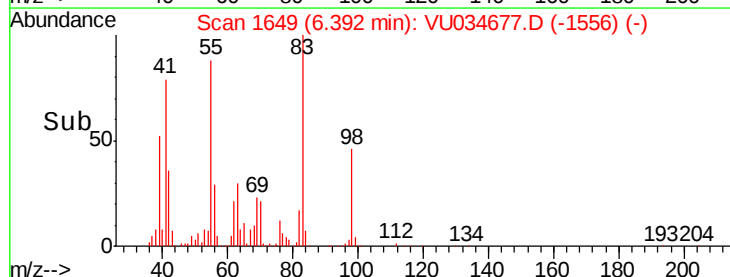
98 43.3 35.7 53.5

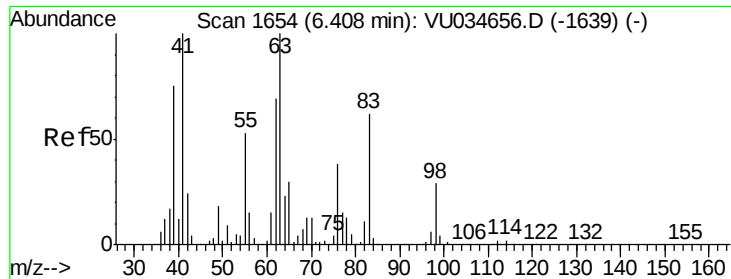


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

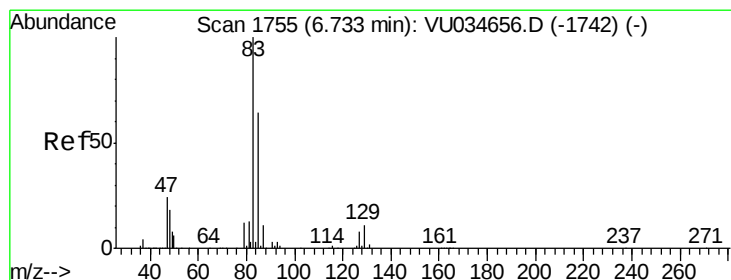
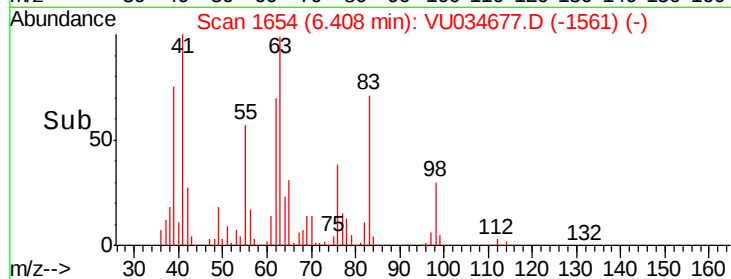
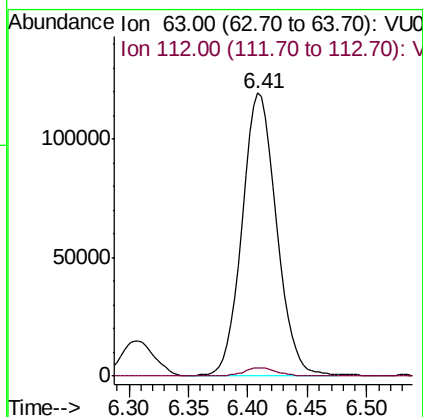
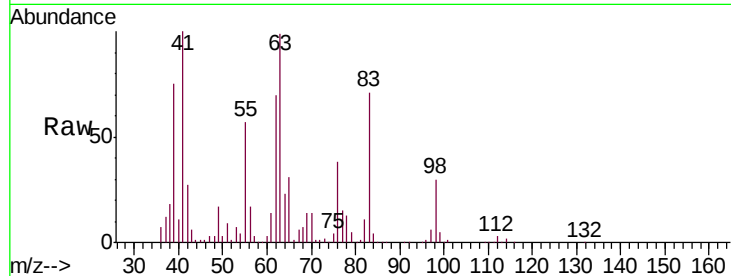




#37
 1,2-Dichloropropane
 Concen: 45.585 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

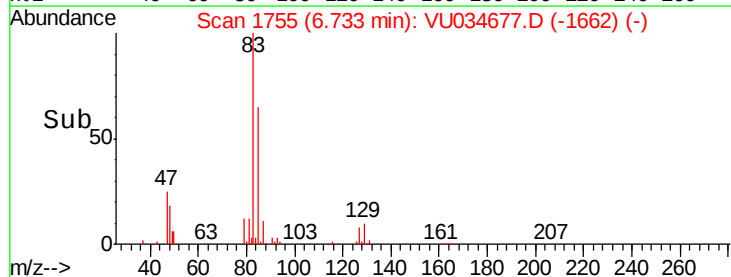
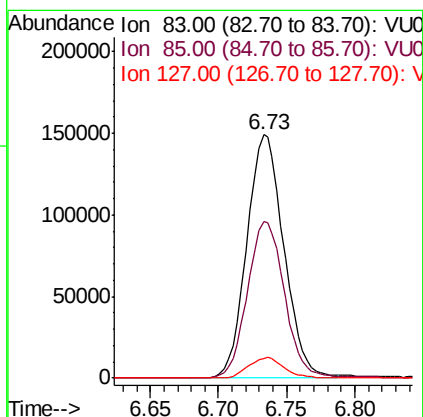
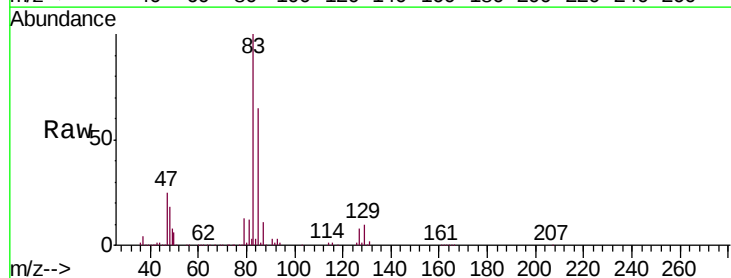
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

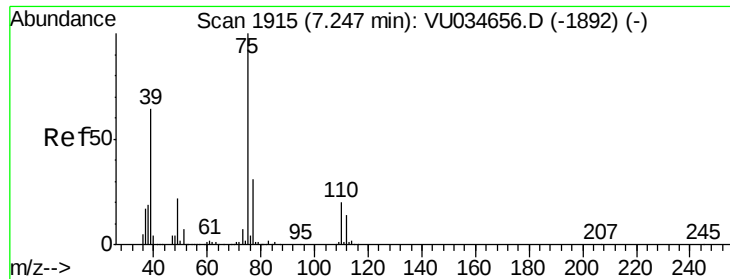
Tgt Ion: 63 Resp: 238322
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.4 3.6



#38
 Bromodichloromethane
 Concen: 44.355 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion: 83 Resp: 281220
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.5 84.5
 127 8.1 6.1 9.1

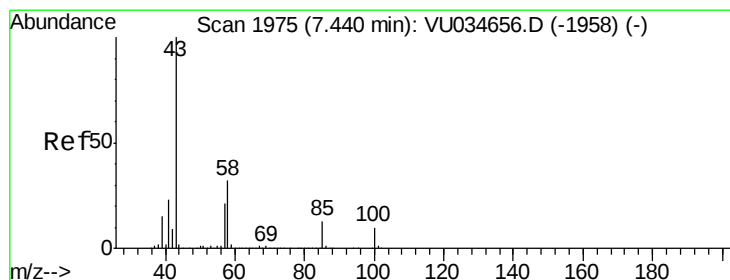
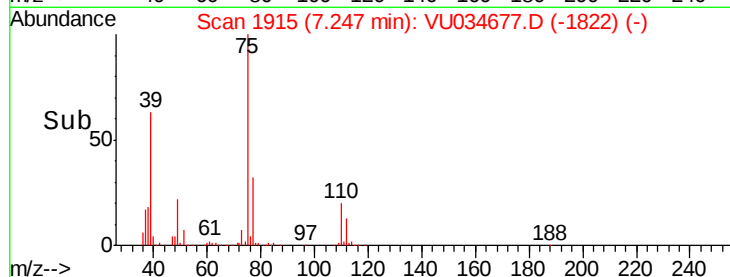
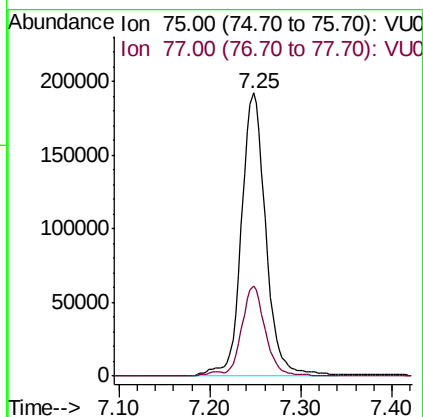
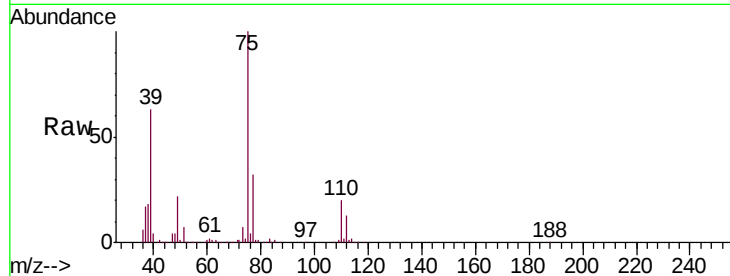




#39
 cis-1,3-Dichloropropene
 Concen: 45.893 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

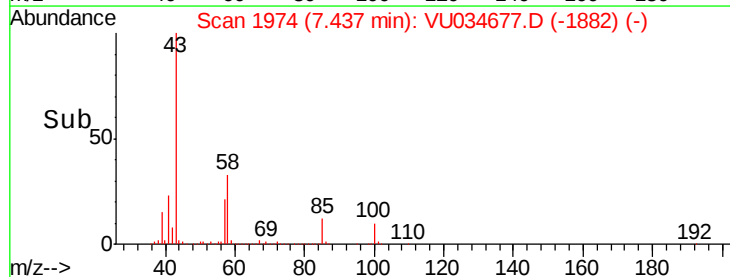
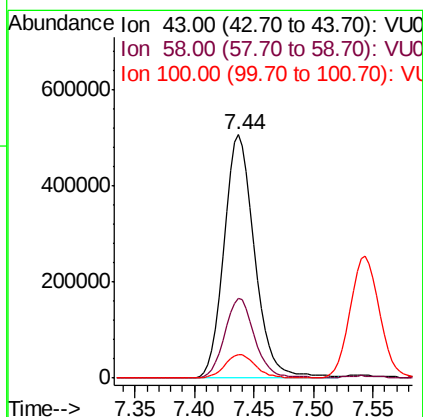
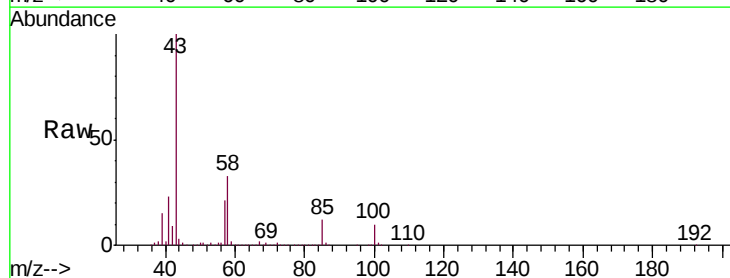
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

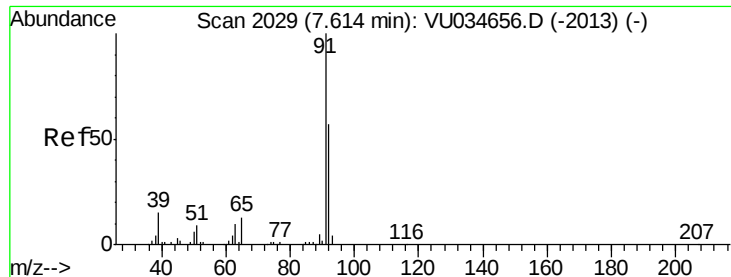
Tgt Ion: 75 Resp: 360512
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 89.929 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion: 43 Resp: 897611
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.2 37.8
 100 9.7 7.7 11.5





#42

Toluene

Concen: 45.401 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

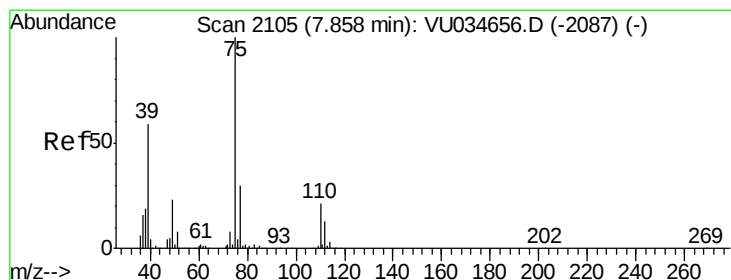
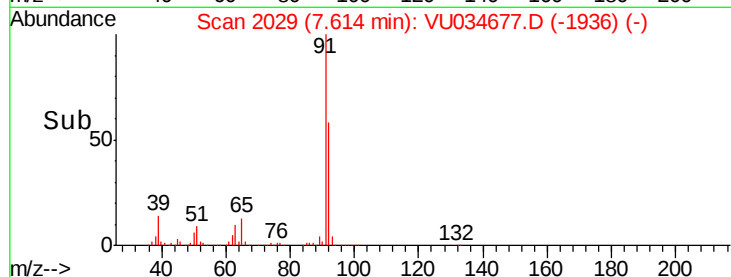
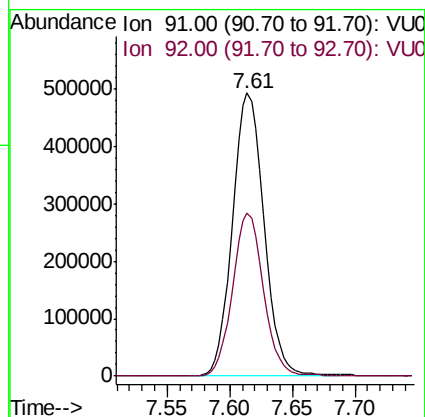
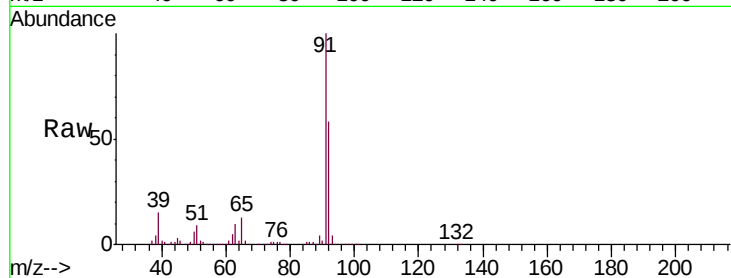
VSTD05059

Tgt Ion: 91 Resp: 861501

Ion Ratio Lower Upper

91 100

92 57.8 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 44.878 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034677.D

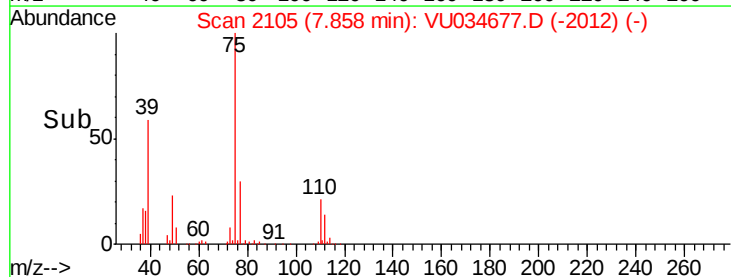
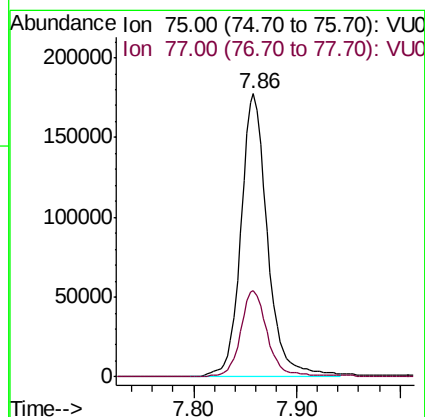
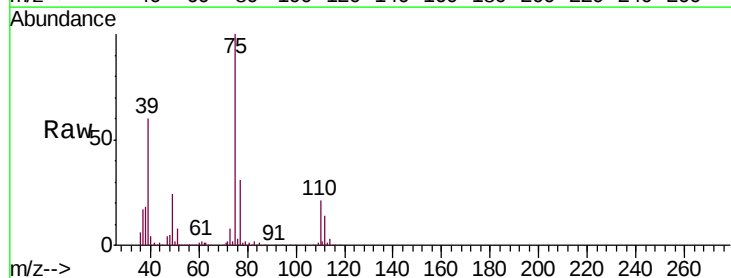
Acq: 20 Sep 2019 03:16

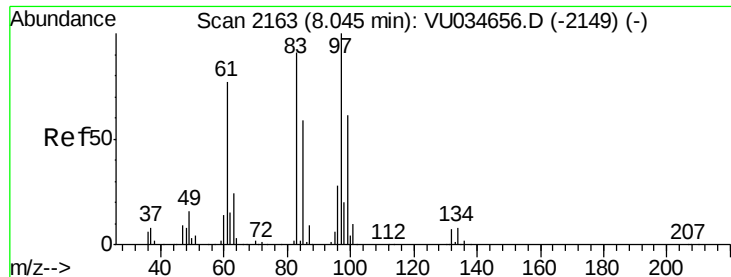
Tgt Ion: 75 Resp: 317813

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8

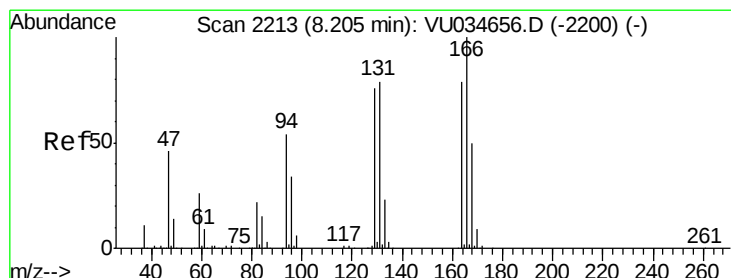
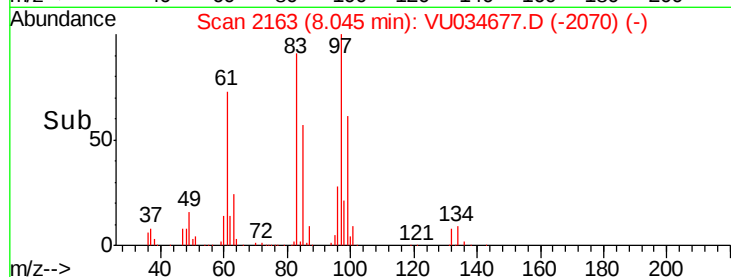
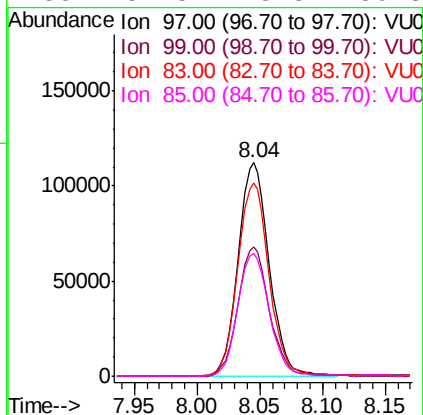
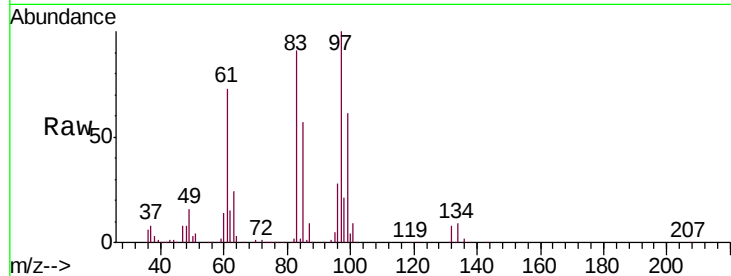




#45
 1,1,2-Trichloroethane
 Concen: 46.224 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

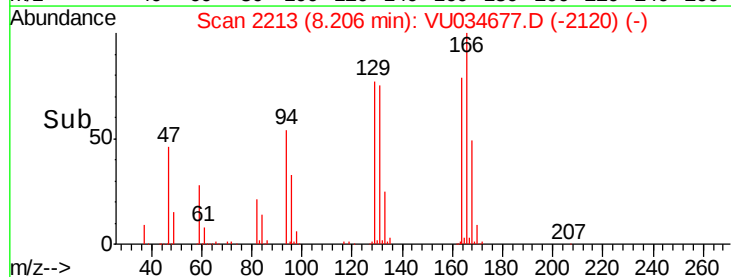
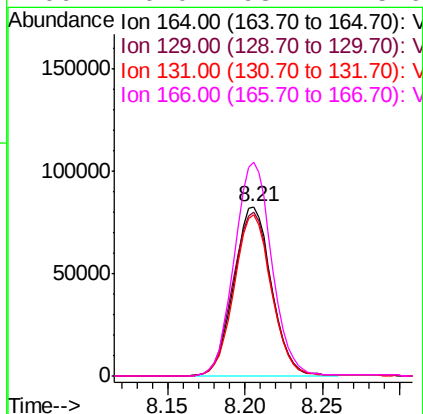
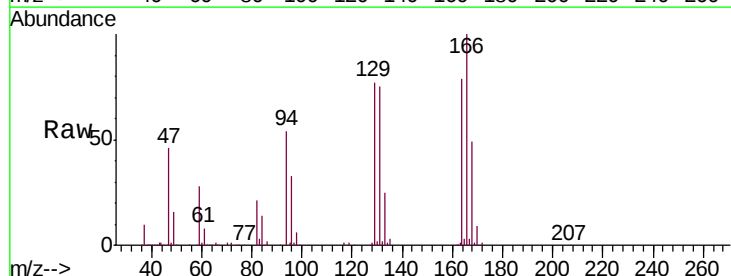
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

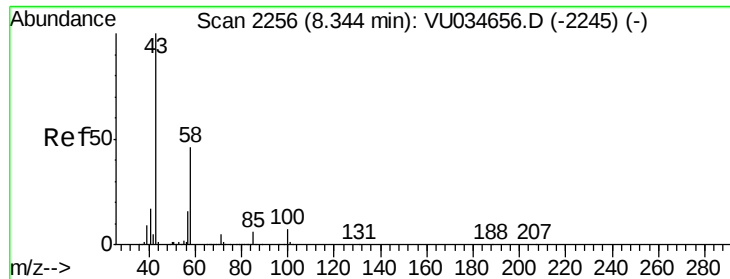
Tgt Ion:	97	Resp:	193576
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.6	81.0
83	90.6	66.9	124.3
85	57.5	43.3	80.3



#46
 Tetrachloroethene
 Concen: 45.842 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion:	164	Resp:	139827
Ion	Ratio	Lower	Upper
164	100		
129	96.5	71.9	133.5
131	94.9	66.3	123.1
166	126.0	93.4	173.6

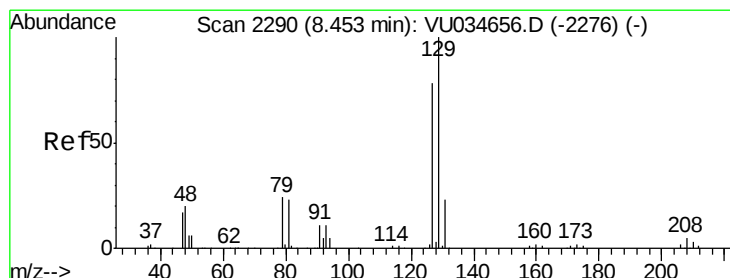
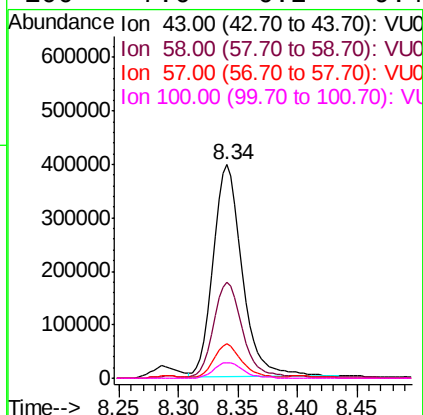
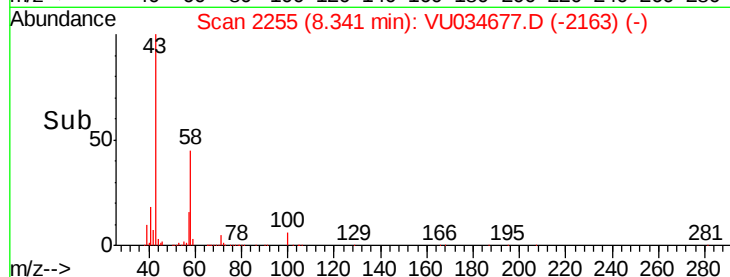
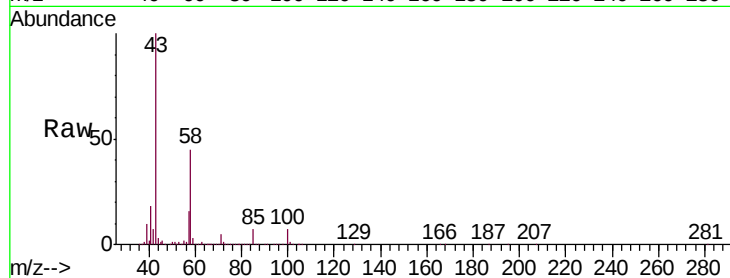




#48
2-Hexanone
Concen: 86.083 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

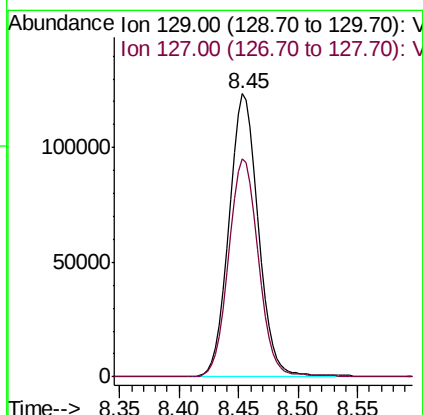
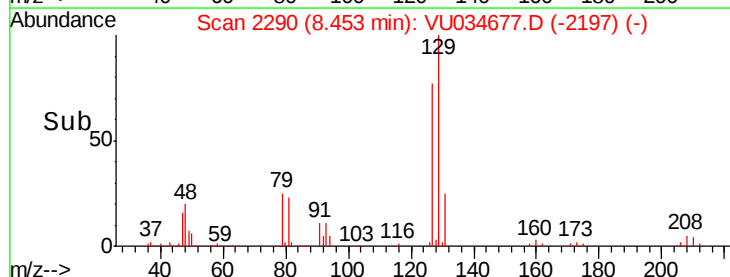
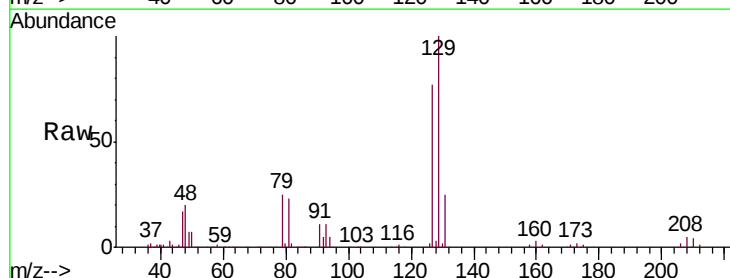
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

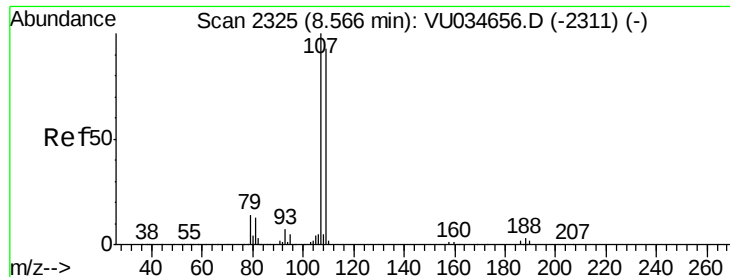
Tgt Ion: 43 Resp: 671074
Ion Ratio Lower Upper
43 100
58 45.2 35.3 52.9
57 15.5 12.1 18.1
100 7.6 6.2 9.4



#49
Dibromochloromethane
Concen: 45.376 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

Tgt Ion: 129 Resp: 211809
Ion Ratio Lower Upper
129 100
127 77.3 55.5 103.1





#50

1,2-Dibromoethane

Concen: 46.232 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

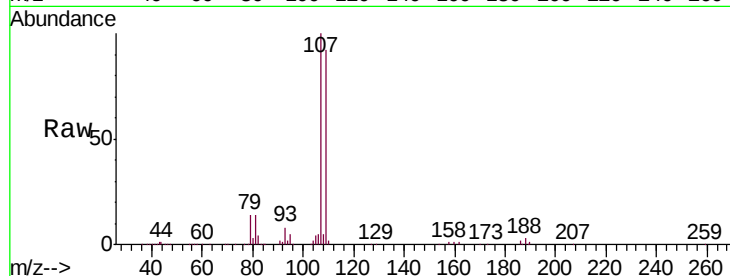
Tgt Ion:107 Resp: 208664

Ion Ratio Lower Upper

107 100

109 92.2 65.5 121.6

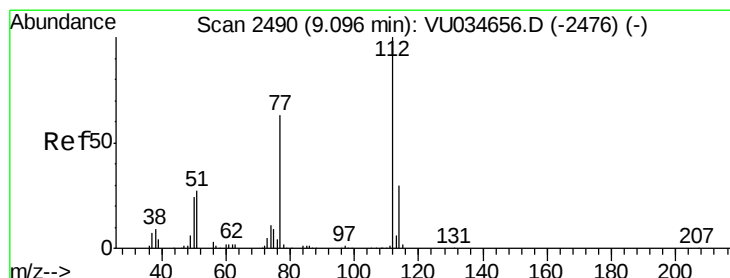
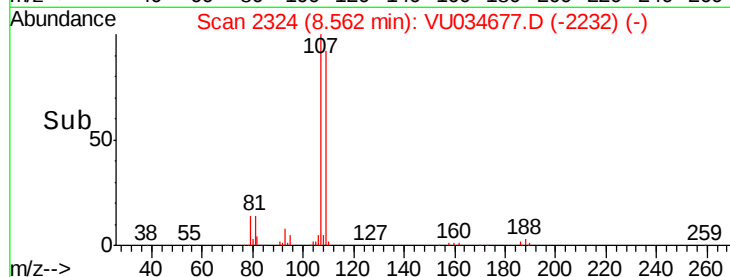
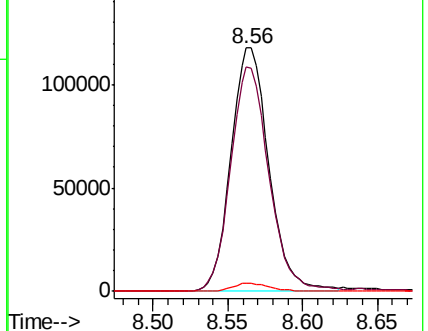
188 3.5 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 45.351 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

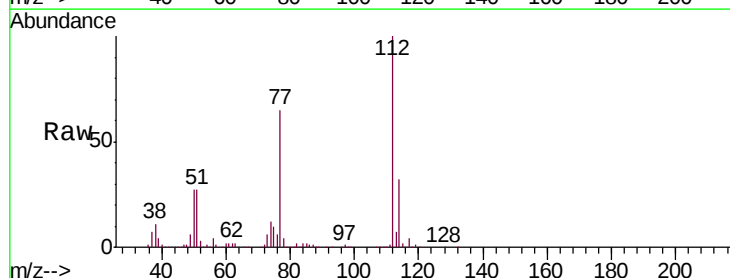
Tgt Ion:112 Resp: 523127

Ion Ratio Lower Upper

112 100

114 31.9 22.8 42.4

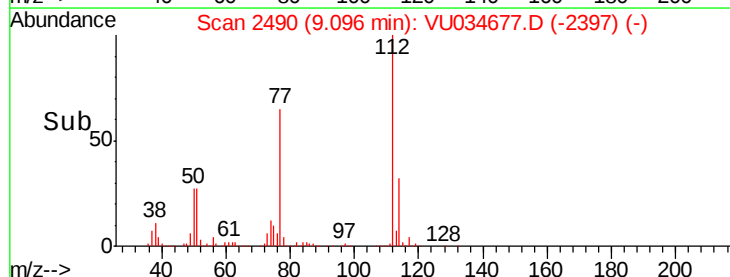
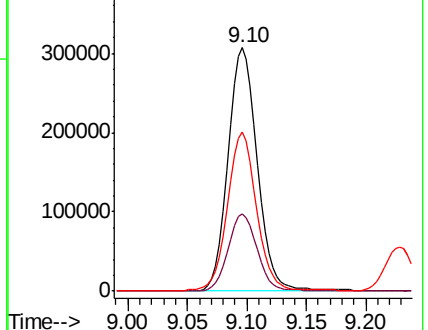
77 65.2 51.5 77.3

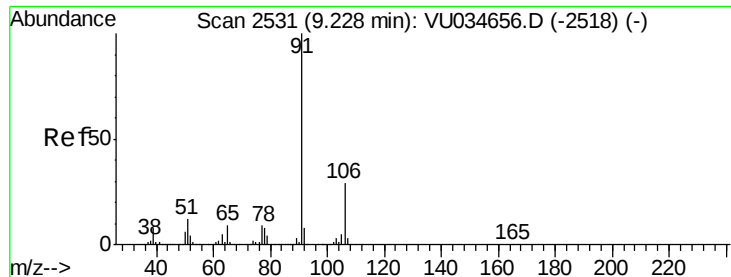


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 45.349 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

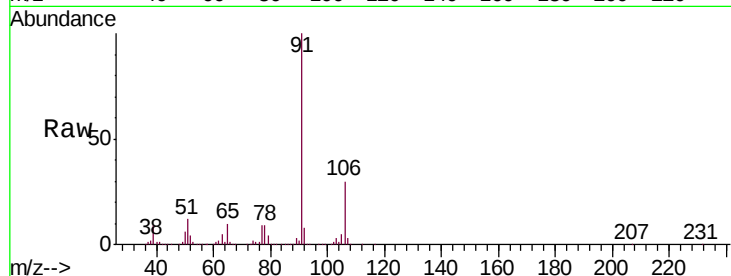
VSTD05059

Tgt Ion: 91 Resp: 969004

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4

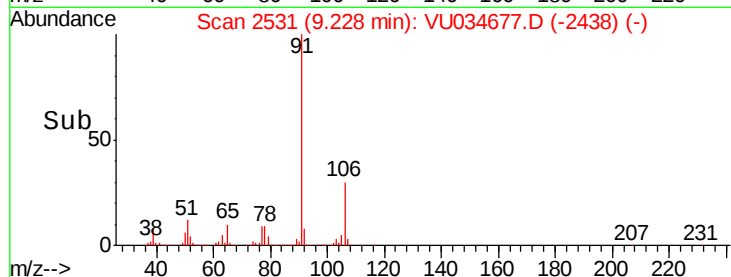


Abundance Ion 91.00 (90.70 to 91.70): VU034656.D (-2518) (-)

Ion 106.00 (105.70 to 106.70): VU034656.D (-2518) (-)

Time-->

9.15 9.20 9.25 9.30

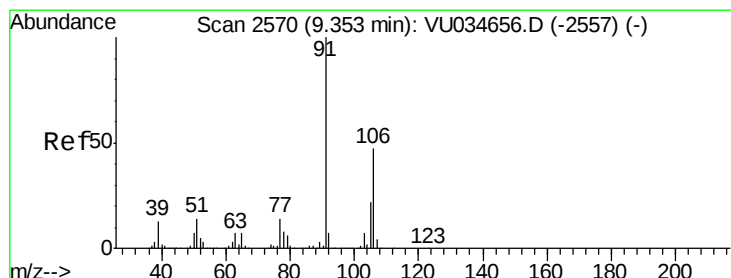


Abundance Ion 91.00 (90.70 to 91.70): VU034677.D (-2438) (-)

Ion 106.00 (105.70 to 106.70): VU034677.D (-2438) (-)

Time-->

9.15 9.20 9.25 9.30



#53

m,p-Xylene

Concen: 46.557 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034677.D

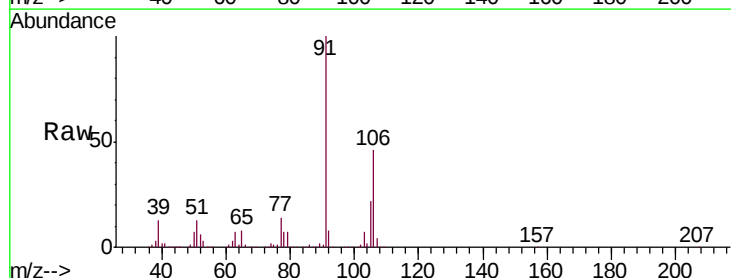
Acq: 20 Sep 2019 03:16

Tgt Ion: 106 Resp: 352360

Ion Ratio Lower Upper

106 100

91 215.7 146.9 272.7

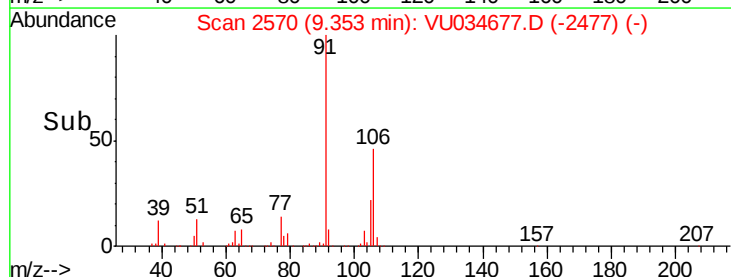


Abundance Ion 106.00 (105.70 to 106.70): VU034656.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034656.D (-2557) (-)

Time-->

9.30 9.35 9.40 9.45

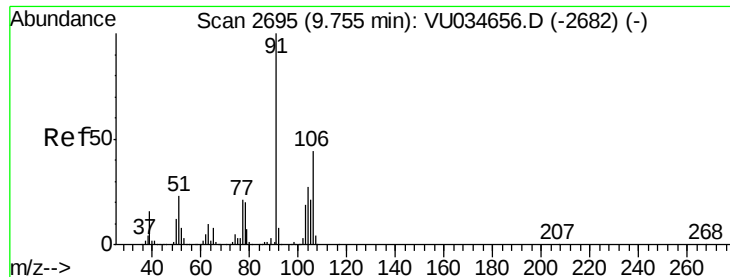


Abundance Ion 106.00 (105.70 to 106.70): VU034677.D (-2477) (-)

Ion 91.00 (90.70 to 91.70): VU034677.D (-2477) (-)

Time-->

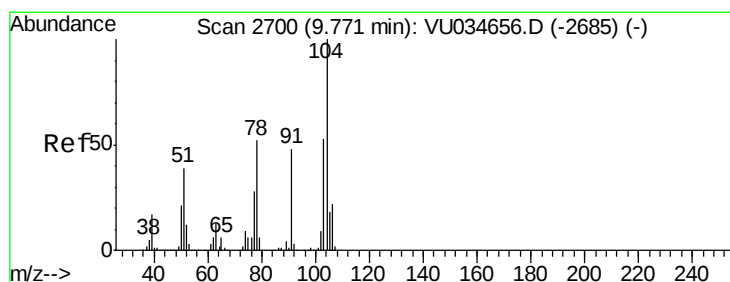
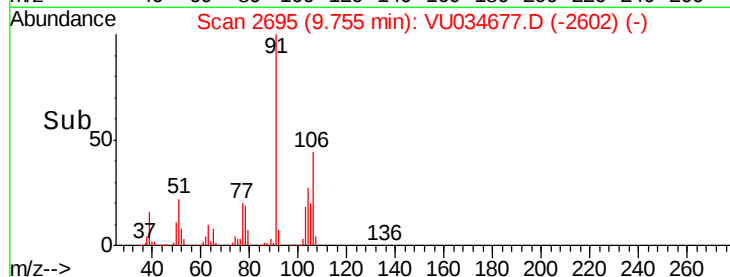
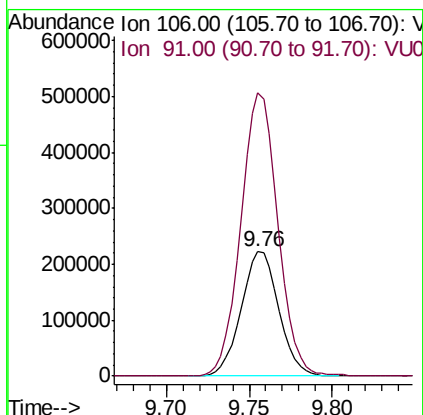
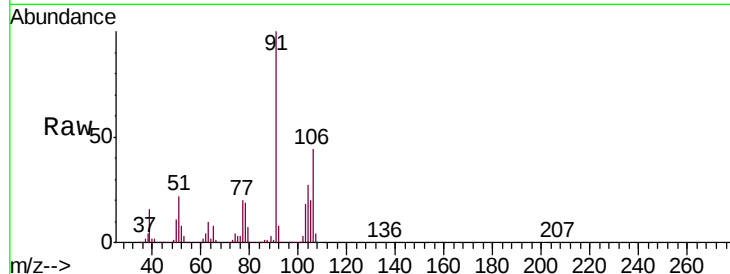
9.30 9.35 9.40 9.45



#54
o-xylene
Concen: 46.942 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

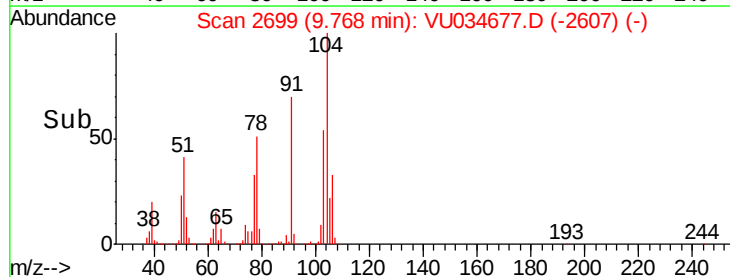
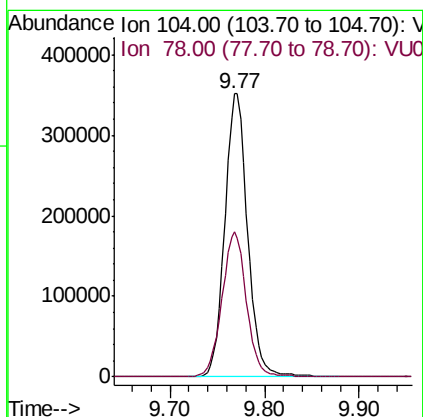
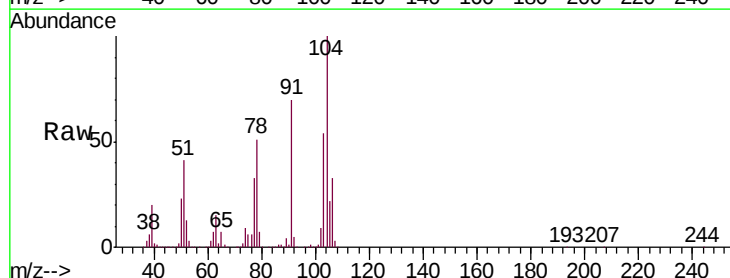
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

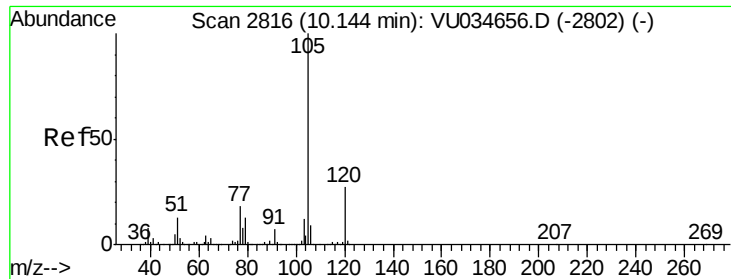
Tgt Ion:106 Resp: 351396
Ion Ratio Lower Upper
106 100
91 227.3 155.6 289.0



#55
Styrene
Concen: 46.487 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034677.D
Acq: 20 Sep 2019 03:16

Tgt Ion:104 Resp: 589038
Ion Ratio Lower Upper
104 100
78 51.5 35.1 65.3





#56

Isopropylbenzene

Concen: 45.174 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

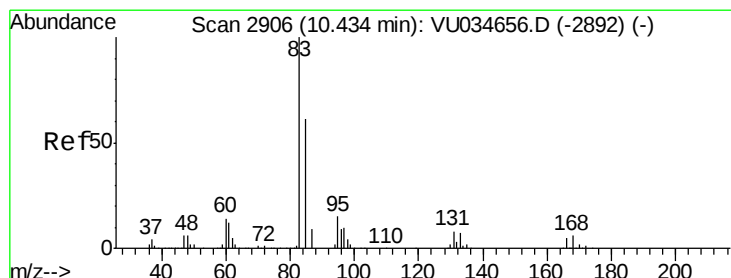
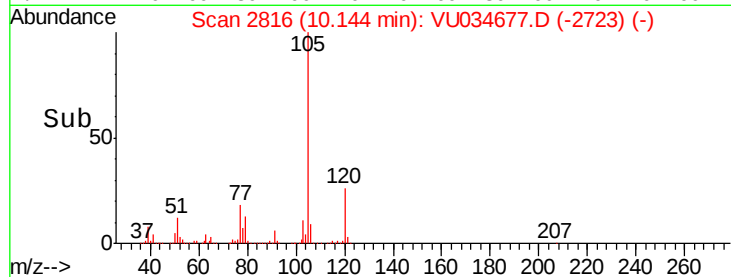
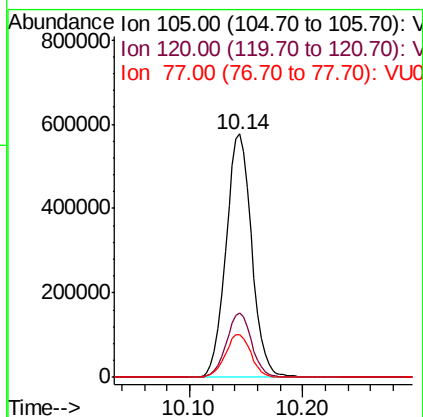
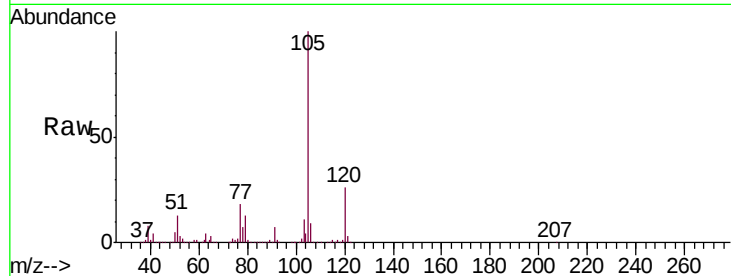
Tgt Ion: 105 Resp: 911815

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

77 17.7 14.2 21.4



#58

1,1,2,2-Tetrachloroethane

Concen: 44.801 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

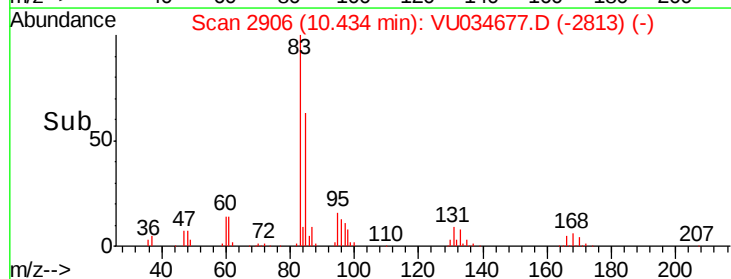
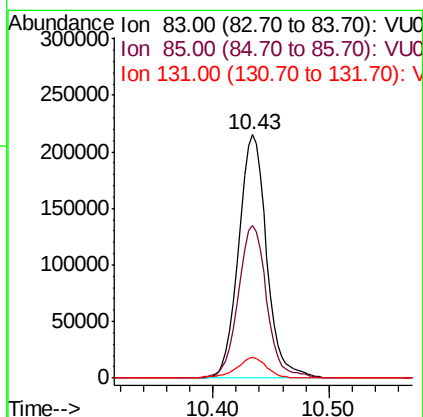
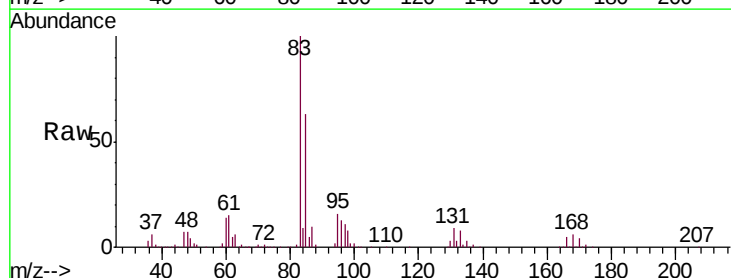
Tgt Ion: 83 Resp: 360353

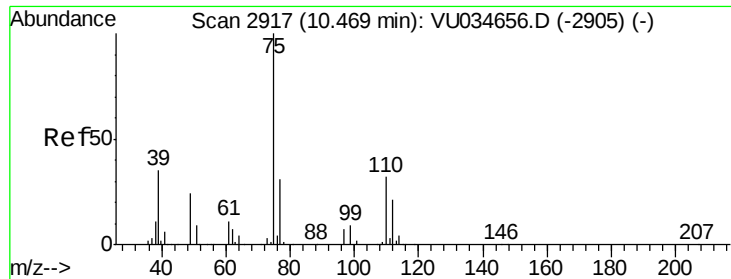
Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

131 8.6 6.6 10.0

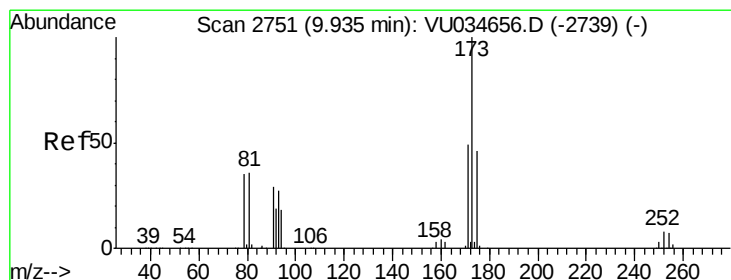
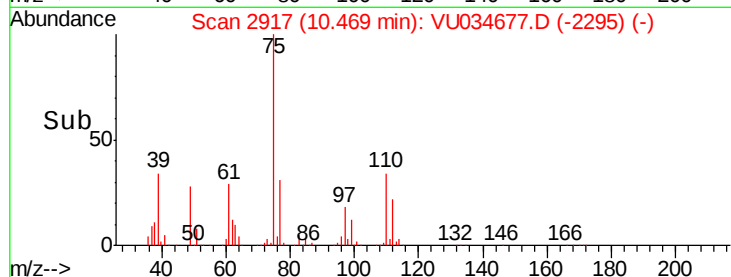
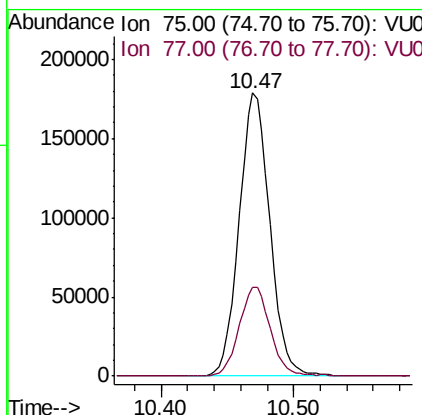
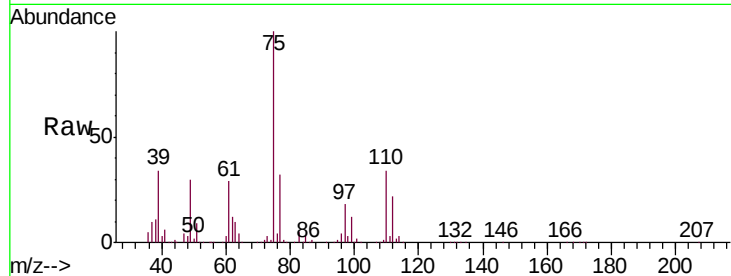




#59
 1,2,3-Trichloropropane
 Concen: 43.988 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

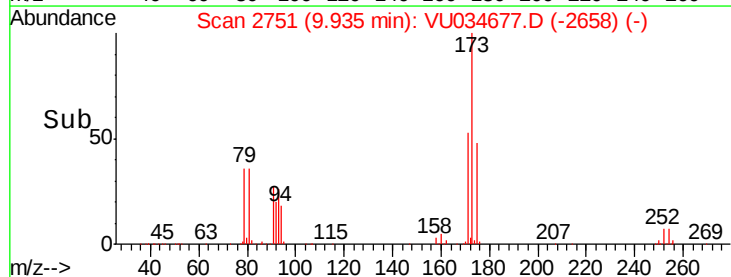
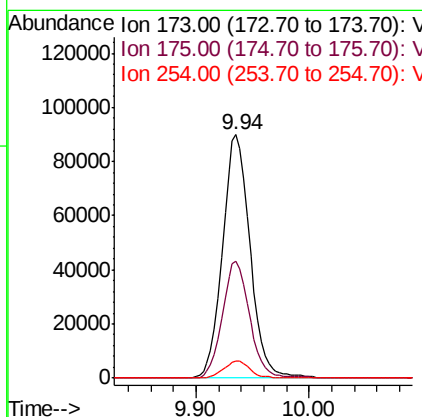
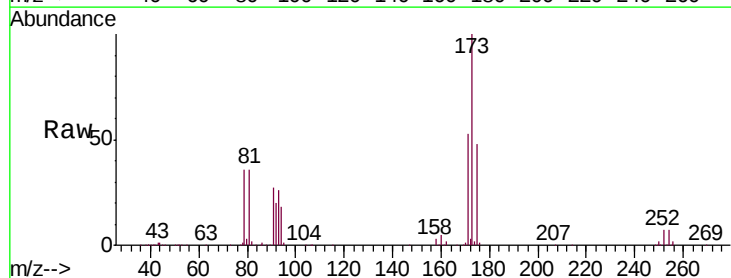
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

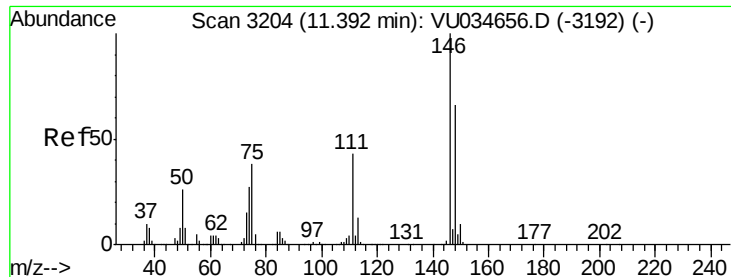
Tgt Ion: 75 Resp: 287235
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#61
 Bromoform
 Concen: 44.834 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion: 173 Resp: 152842
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.8 58.2
 254 6.6 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 45.834 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

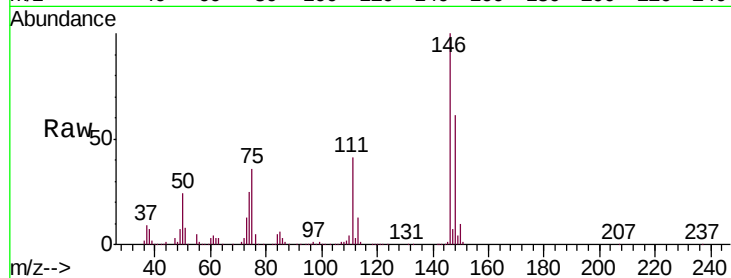
Tgt Ion:146 Resp: 393010

Ion Ratio Lower Upper

146 100

111 40.9 30.4 56.5

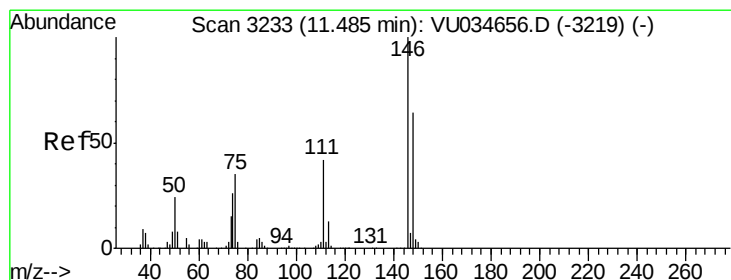
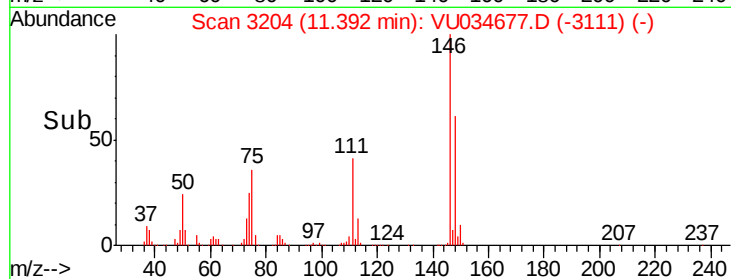
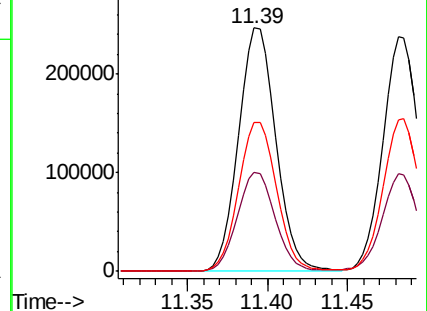
148 61.0 46.1 85.7



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: 44.224 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

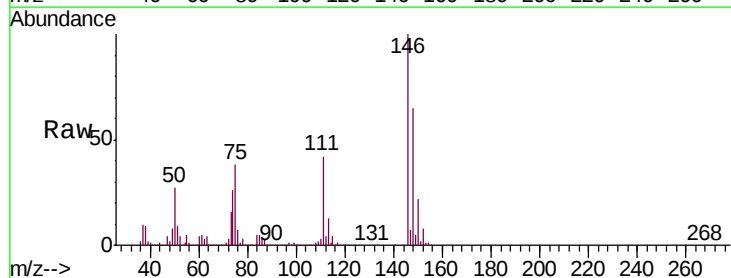
Tgt Ion:146 Resp: 386294

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.9

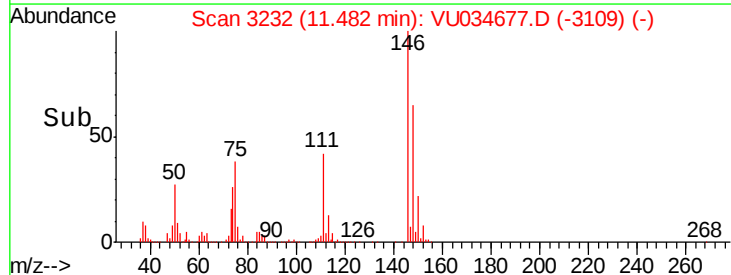
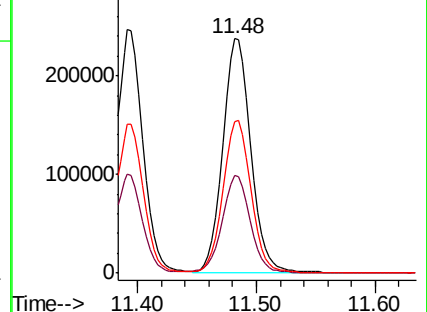
148 64.7 44.4 82.4

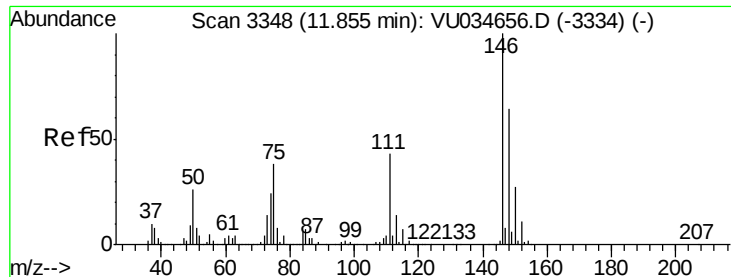


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

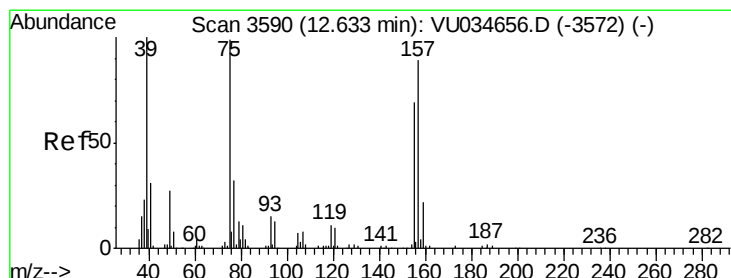
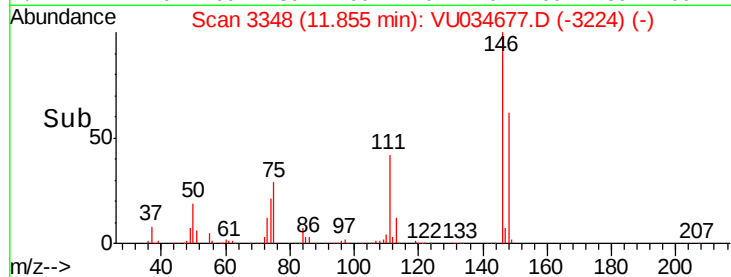
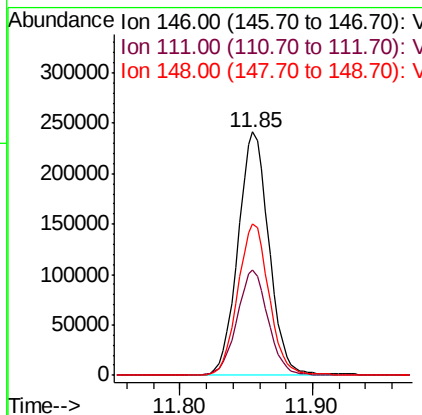
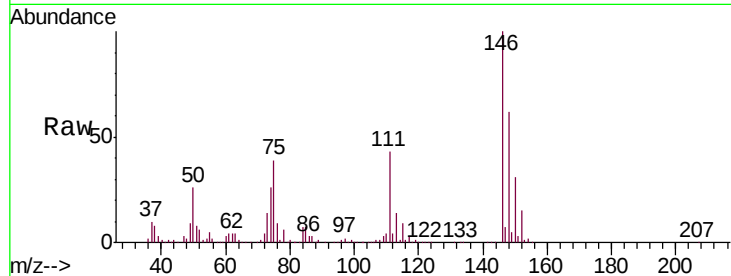




#65
 1,2-Dichlorobenzene
 Concen: 45.008 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

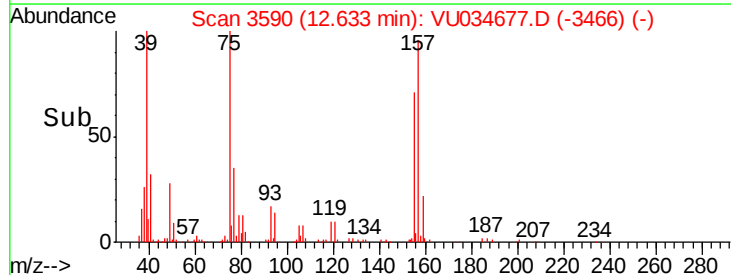
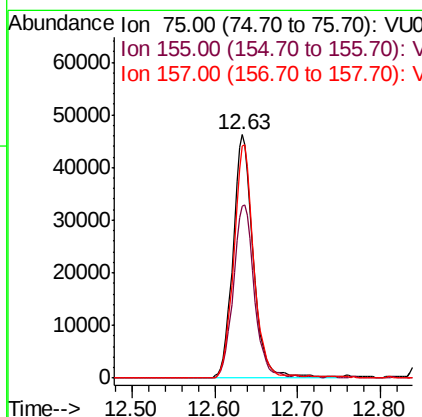
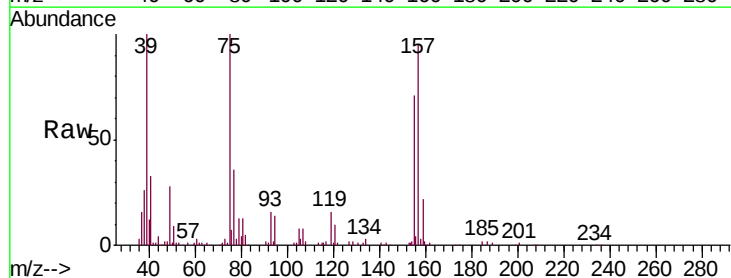
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

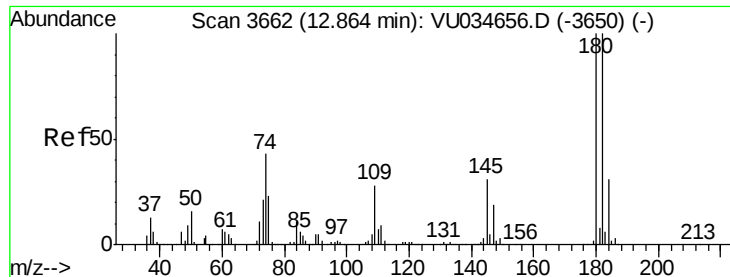
Tgt Ion: 146 Resp: 389945
 Ion Ratio Lower Upper
 146 100
 111 43.2 35.2 52.8
 148 62.2 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.218 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion: 75 Resp: 79589
 Ion Ratio Lower Upper
 75 100
 155 70.7 54.7 82.1
 157 95.3 69.9 104.9

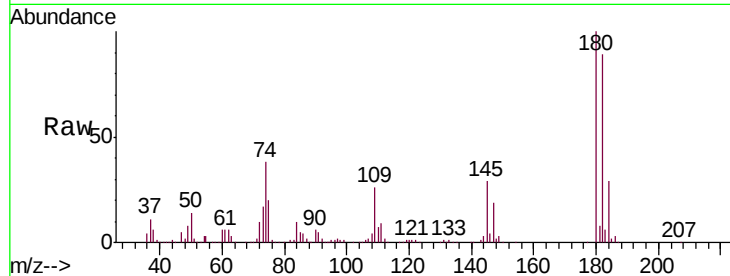




#67
 1,3,5-Trichlorobenzene
 Concen: 45.877 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	79.2	118.8
184	29.5	24.6	36.8
145	30.1	24.9	37.3



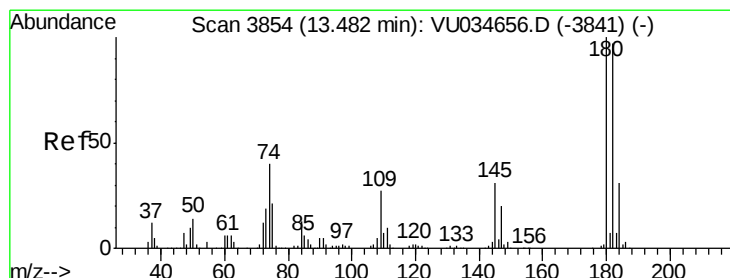
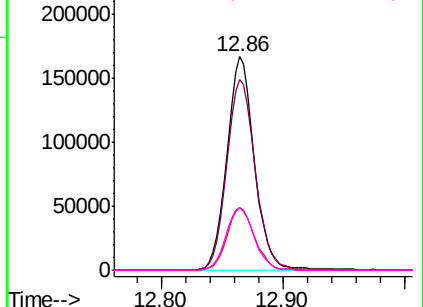
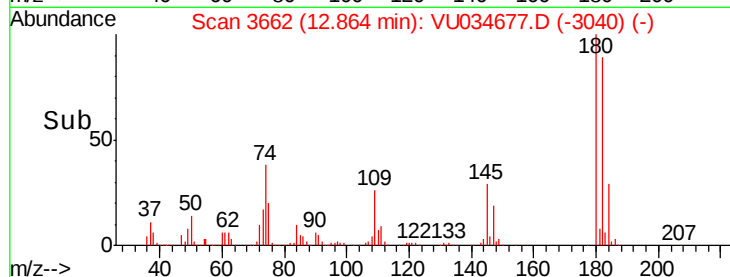
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

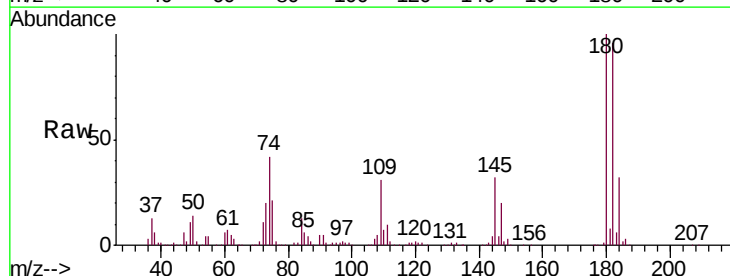
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.005 ug/L
 RT: 13.48 min Scan# 3853
 Delta R.T. -0.00 min
 Lab File: VU034677.D
 Acq: 20 Sep 2019 03:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	31.2	25.2	37.8

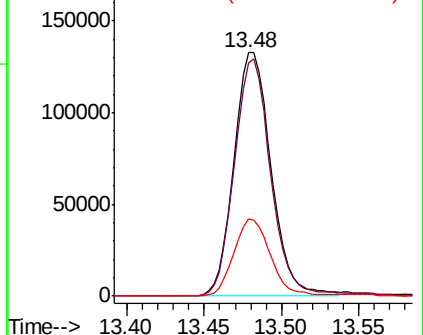
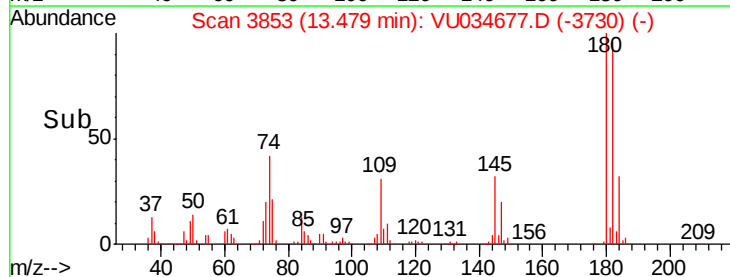


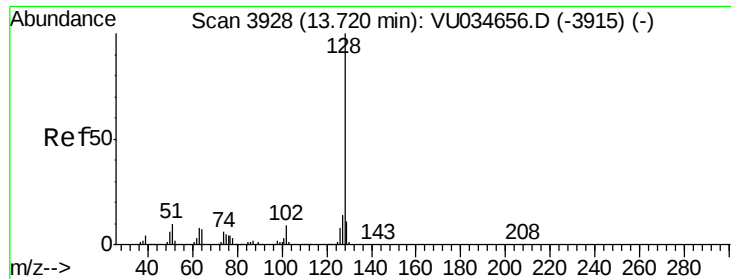
Abundance

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: 59.759 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

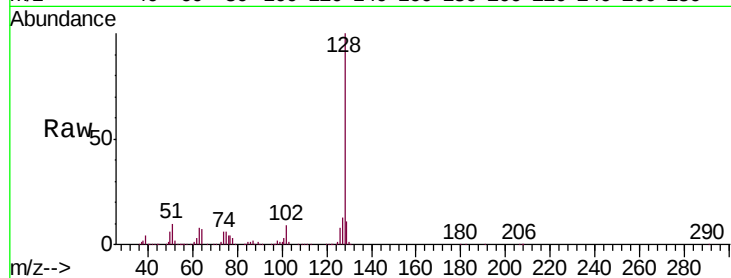
Tgt Ion:128 Resp: 934649

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

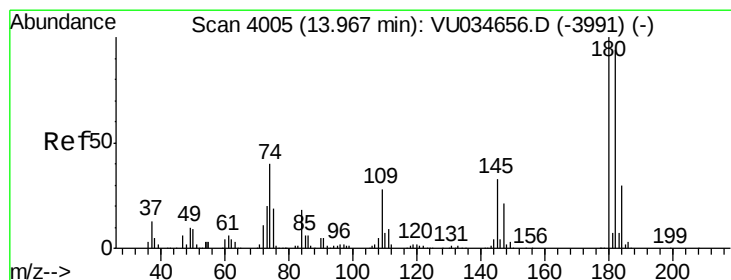
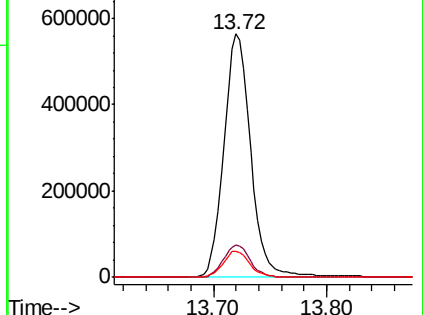
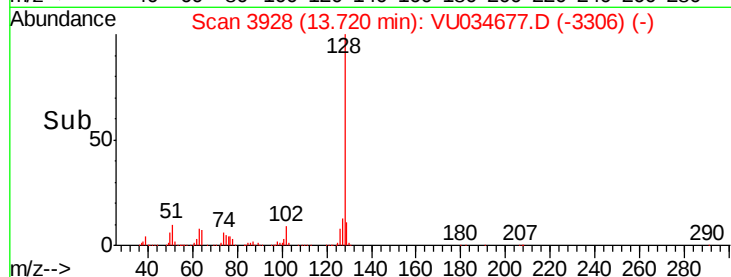
129 10.7 8.6 12.8



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: 47.964 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034677.D

Acq: 20 Sep 2019 03:16

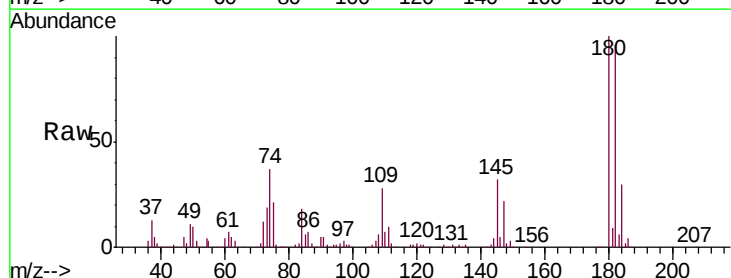
Tgt Ion:180 Resp: 222972

Ion Ratio Lower Upper

180 100

182 95.7 79.2 118.8

145 32.8 26.0 39.0



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

