

Data File : VU034551.D
Acq On : 16 Sep 2019 11:49
Operator : JC/SP
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Sep 16 12:41:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:37:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	368058	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	345550	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	161280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	91234	28.27	ug/L	0.00
7) Chloroethane-d5	1.67	69	72083	28.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	187653	32.23	ug/L	0.00
21) 2-Butanone-d5	4.15	46	224090	103.17	ug/L	0.00
24) Chloroform-d	4.62	84	208729	39.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	127862	37.65	ug/L	0.00
32) Benzene-d6	5.32	84	401771	40.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	147402	46.28	ug/L	0.00
41) Toluene-d8	7.54	98	388457	43.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	71358	48.54	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	167943	126.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	231203	50.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	151903	46.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	118300	34.719 ug/L	99
3) Chloromethane	1.32	50	117208	35.800 ug/L	100
5) Vinyl chloride	1.40	62	116276	30.236 ug/L	99
6) Bromomethane	1.62	94	63694	42.748 ug/L	94
8) Chloroethane	1.69	64	67295	29.170 ug/L	99
9) Trichlorofluoromethane	1.87	101	166331	36.881 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	99609	38.628 ug/L	94
12) 1,1-Dichloroethene	2.27	96	90402	36.418 ug/L	89
13) Acetone	2.31	43	200320	100.978 ug/L	98
14) Carbon disulfide	2.46	76	221184	27.705 ug/L	99
15) Methyl Acetate	2.60	43	159827	46.263 ug/L	100
16) Methylene chloride	2.68	84	118216	39.527 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	96855	36.327 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	401415	49.739 ug/L	99
19) 1,1-Dichloroethane	3.42	63	219053	41.226 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	123675	42.141 ug/L	99
22) 2-Butanone	4.23	43	265791	106.639 ug/L	96
23) Bromochloromethane	4.52	128	59441	39.383 ug/L	96
25) Chloroform	4.65	83	225401	42.832 ug/L	99
27) 1,2-Dichloroethane	5.38	62	160623	38.898 ug/L	99
29) Cyclohexane	4.97	56	175549	44.031 ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	180499	45.357 ug/L	98
31) Carbon tetrachloride	5.11	117	152427	43.152 ug/L	99
33) Benzene	5.37	78	465062	44.509 ug/L	100
34) Trichloroethene	6.16	95	115703	42.677 ug/L	99
35) Methylcyclohexane	6.39	83	172297	42.154 ug/L	97
37) 1,2-Dichloropropane	6.41	63	140130	49.021 ug/L	98
38) Bromodichloromethane	6.73	83	180323	48.818 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	222353	52.333 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	497644	121.550 ug/L	97

Data File : VU034551.D
Acq On : 16 Sep 2019 11:49
Operator : JC/SP
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Sep 16 12:41:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:37:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	500664	46.306	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	197597	51.609	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	129750	49.471	ug/L	97
46) Tetrachloroethene	8.21	164	75924	36.035	ug/L	89
48) 2-Hexanone	8.34	43	386002	121.418	ug/L	97
49) Dibromochloromethane	8.45	129	146082	50.209	ug/L	98
50) 1,2-Dibromoethane	8.56	107	130892	46.799	ug/L	98
51) Chlorobenzene	9.10	112	318151	44.491	ug/L	98
52) Ethylbenzene	9.23	91	569642	48.777	ug/L	100
53) m,p-Xylene	9.35	106	207212	48.148	ug/L	100
54) o-xylene	9.76	106	211218	49.790	ug/L	99
55) Styrene	9.77	104	366362	50.720	ug/L	100
56) Isopropylbenzene	10.14	105	560769	50.870	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	251049	55.227	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	189869	51.972	ug/L	99
61) Bromoform	9.94	173	106378	52.287	ug/L #	95
62) 1,3-Dichlorobenzene	11.39	146	243999	48.163	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	243668	46.418	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	248788	49.223	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	57791	62.345	ug/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	164013	42.118	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	145541	45.582	ug/L	97
69) Naphthalene	13.72	128	554411	58.156	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	143884	42.641	ug/L	98

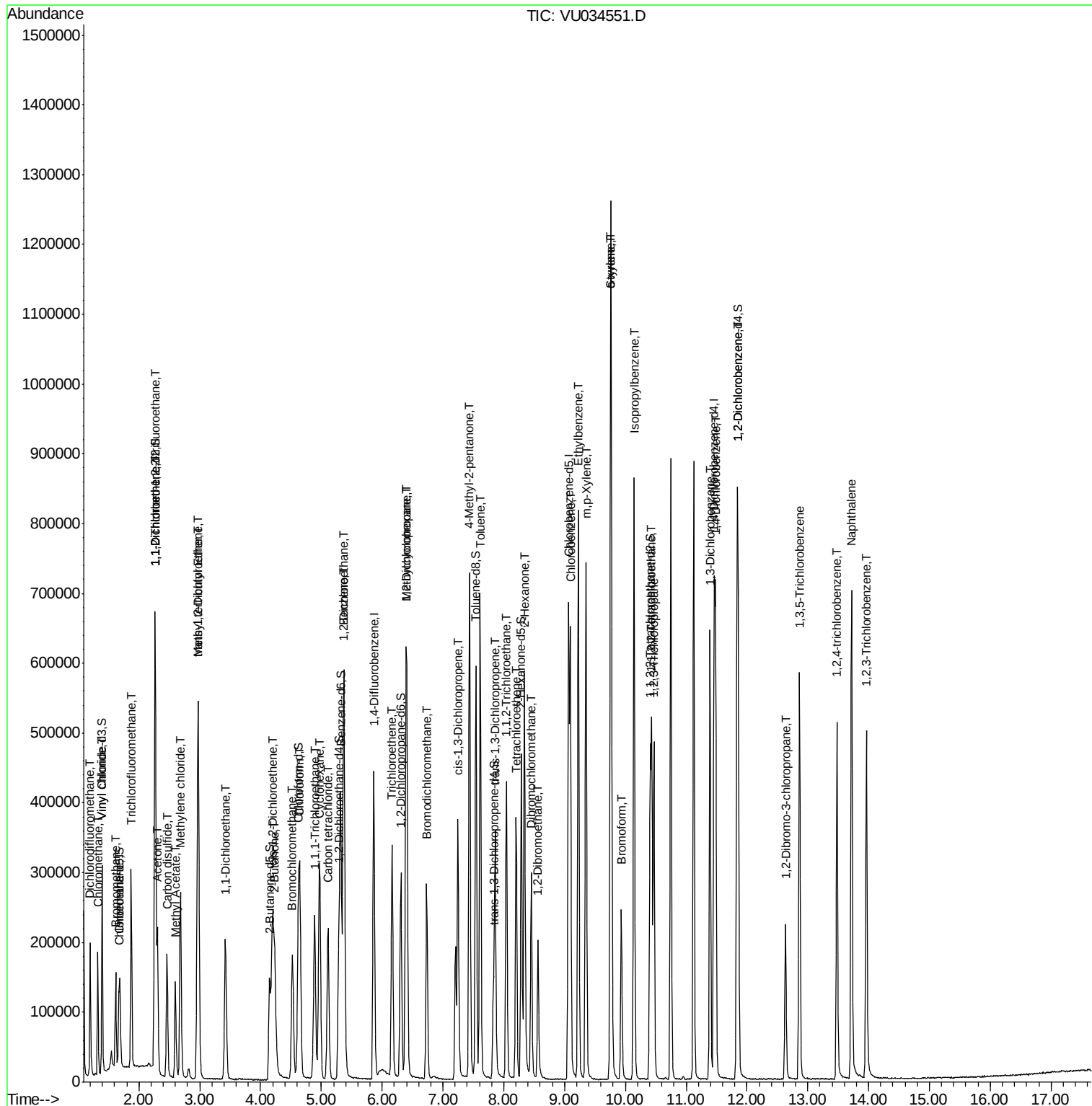
(#) = qualifier out of range (m) = manual integration (+) = signals summed

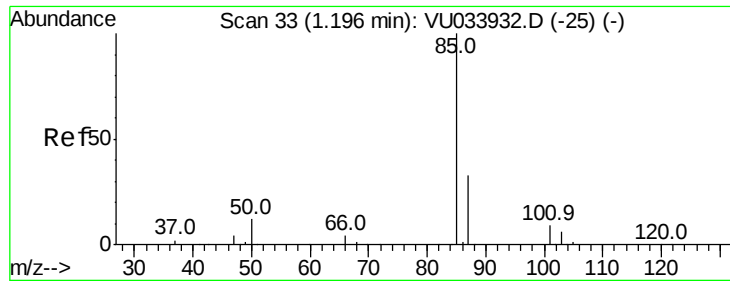
Data File : VU034551.D

```
Acq On      : 16 Sep 2019   11:49
Operator    : JC/SP
Sample      : VSTD050
Misc        : 5.0mL/MSV0A_U/WATER
ALS Vial    : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Sep 16 12:41:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:37:26 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 34.719 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

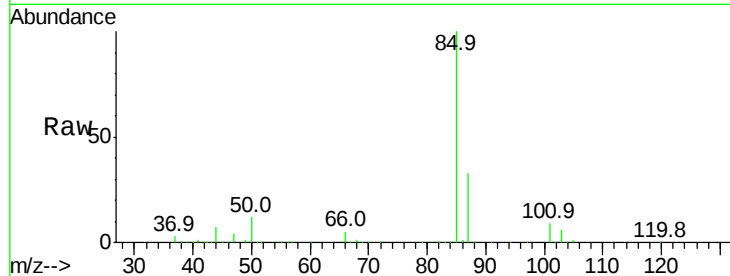
VSTD05032

Tgt Ion: 85 Resp: 118300

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033932.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033932.D (-25) (-)

1.20

100000

80000

60000

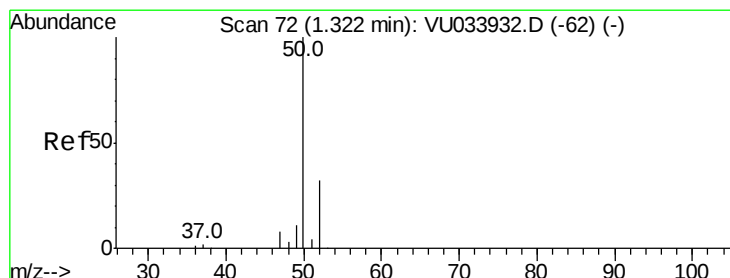
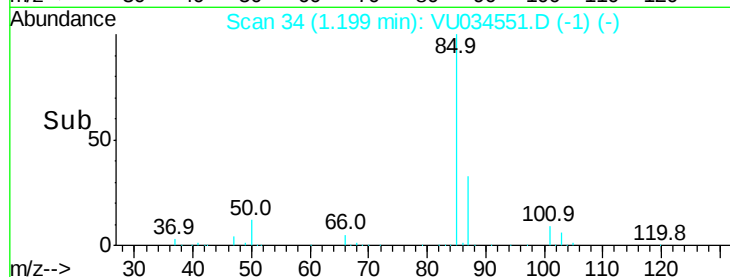
40000

20000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 35.800 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034551.D

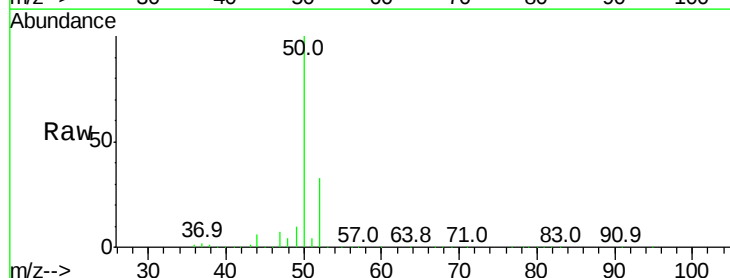
Acq: 16 Sep 2019 11:49

Tgt Ion: 50 Resp: 117208

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033932.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033932.D (-62) (-)

1.32

120000

100000

80000

60000

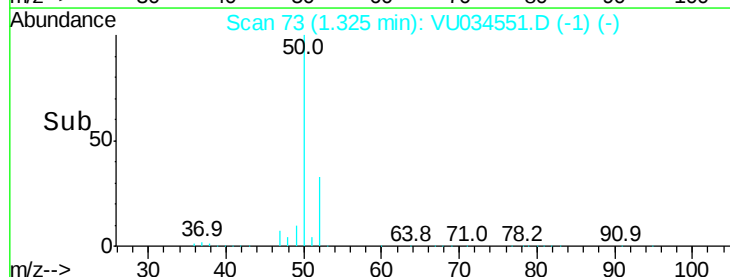
40000

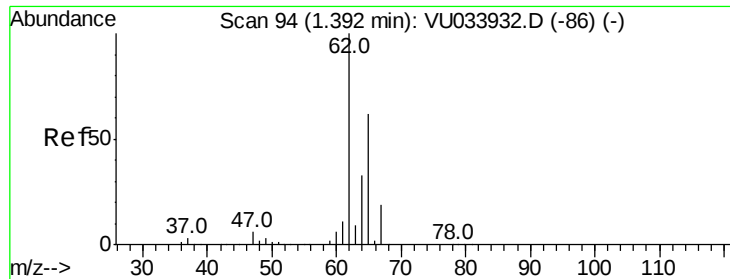
20000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 30.236 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

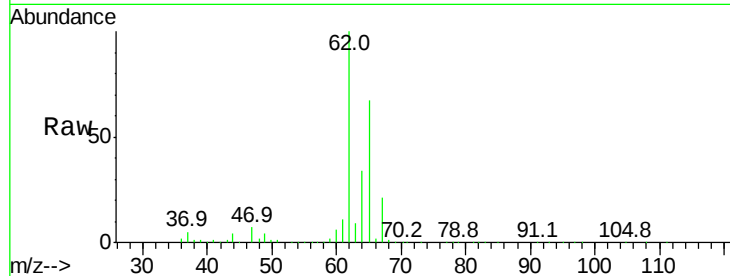
VSTD05032

Tgt Ion: 62 Resp: 116276

Ion Ratio Lower Upper

62 100

64 34.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

20000

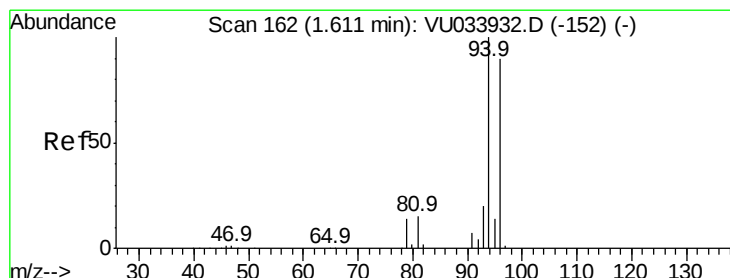
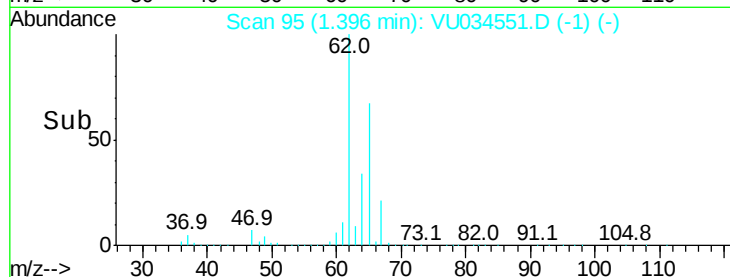
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 42.748 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU034551.D

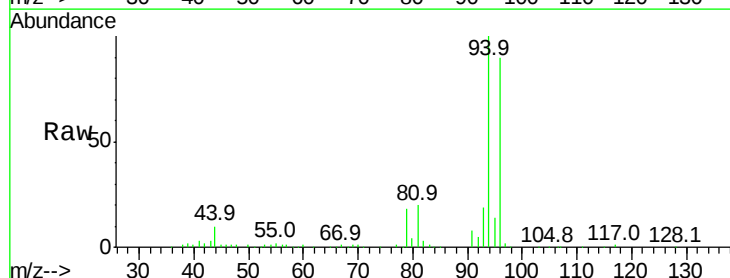
Acq: 16 Sep 2019 11:49

Tgt Ion: 94 Resp: 63694

Ion Ratio Lower Upper

94 100

96 89.9 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

20000

10000

0

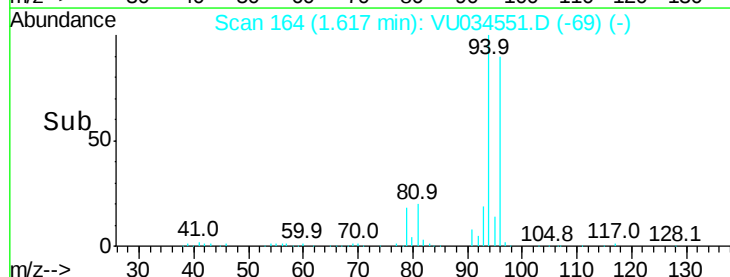
1.55

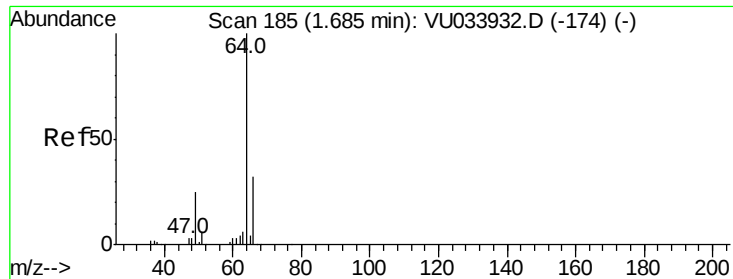
1.60

1.65

1.70

Time-->

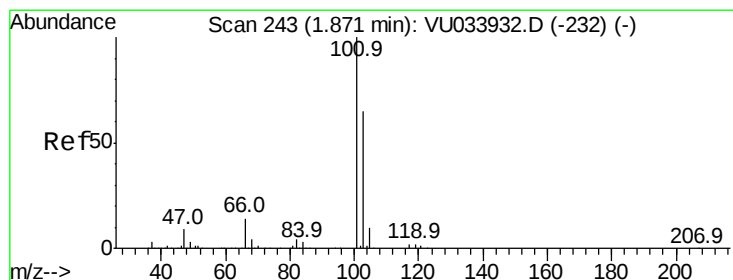
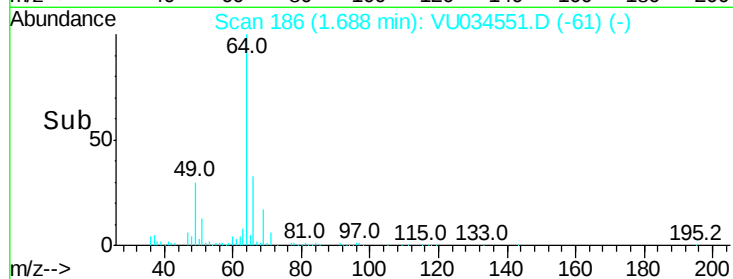
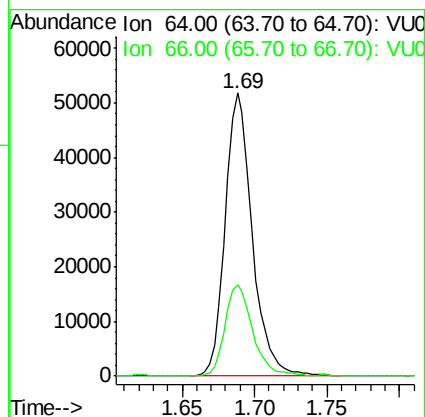
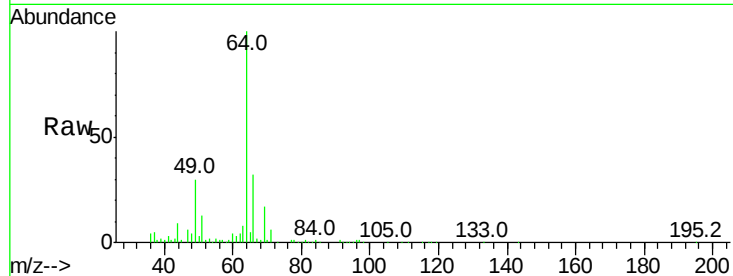




#8
Chloroethane
Concen: 29.170 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

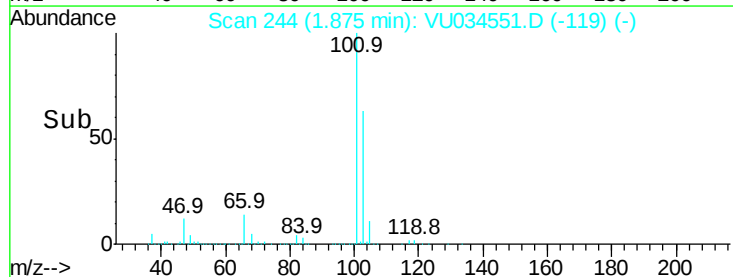
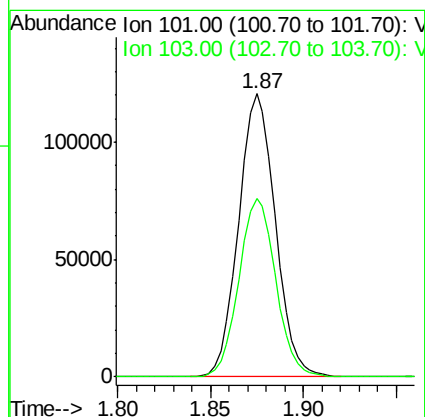
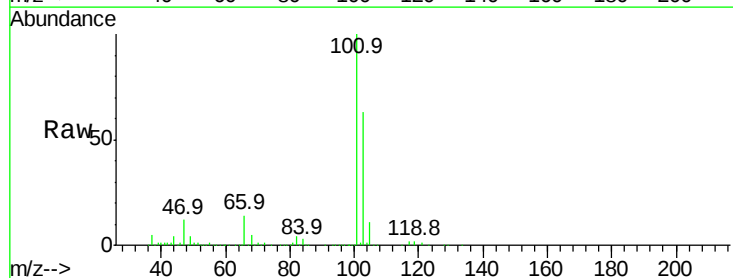
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

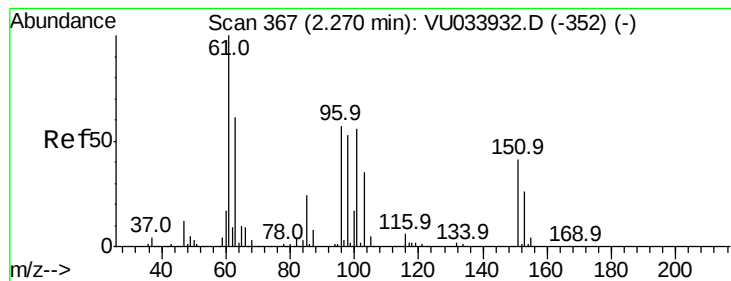
Tgt Ion: 64 Resp: 67295
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 36.881 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Tgt Ion: 101 Resp: 166331
Ion Ratio Lower Upper
101 100
103 63.4 50.9 76.3





#10

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

Concen: 38.628 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

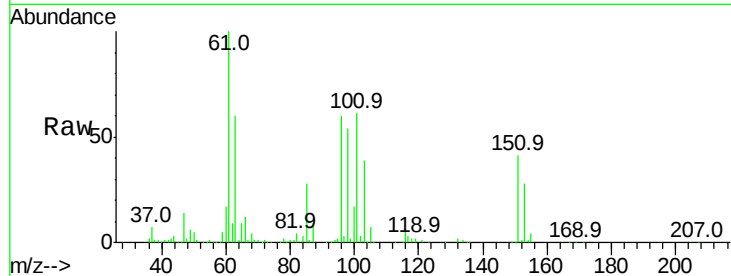
Tgt Ion: 101 Resp: 99609

Ion Ratio Lower Upper

101 100

85 46.3 33.7 50.5

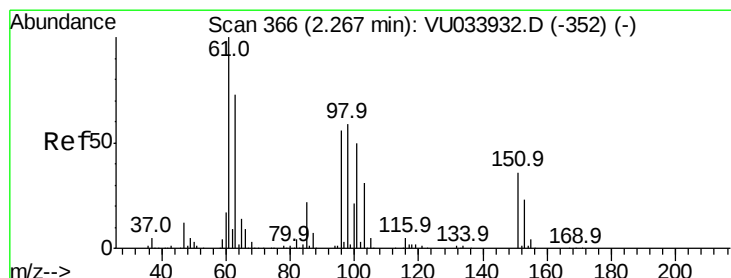
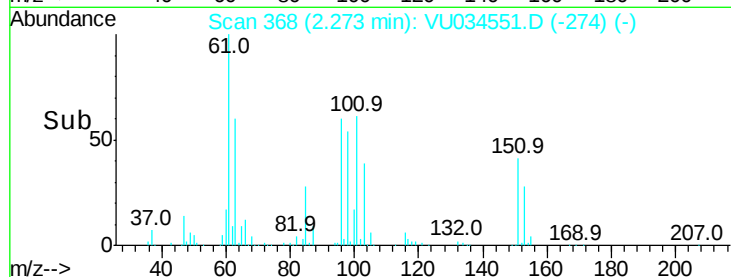
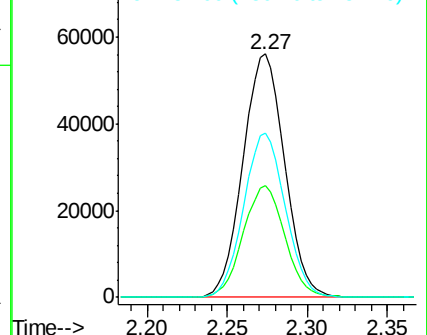
151 67.6 57.8 86.6



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: 36.418 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

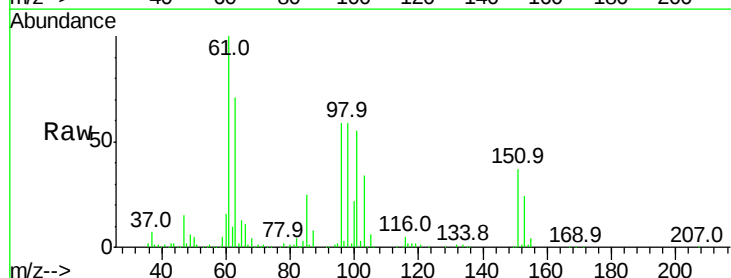
Tgt Ion: 96 Resp: 90402

Ion Ratio Lower Upper

96 100

61 168.3 124.7 231.5

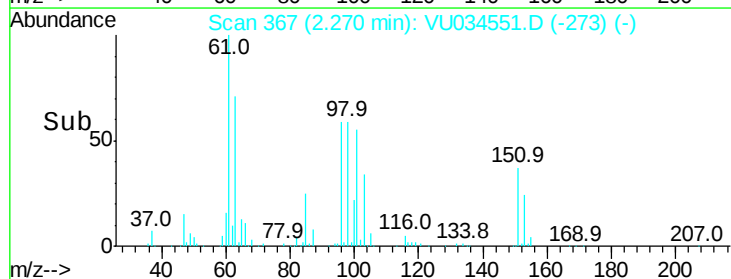
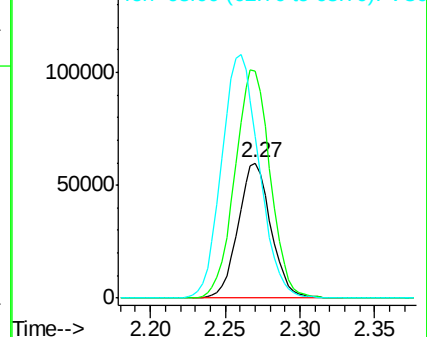
63 119.7 97.9 181.9

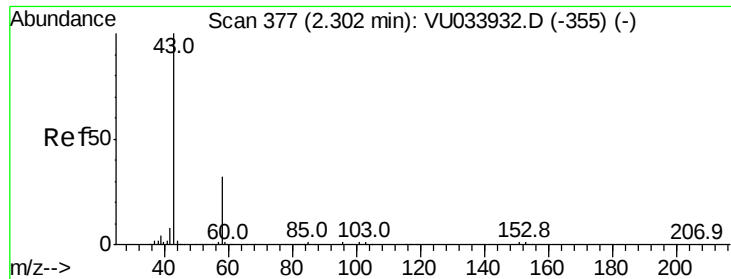


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 100.978 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

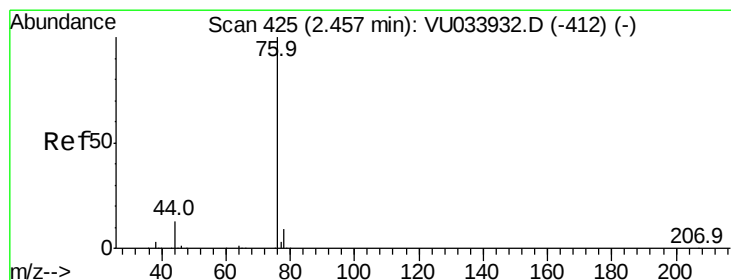
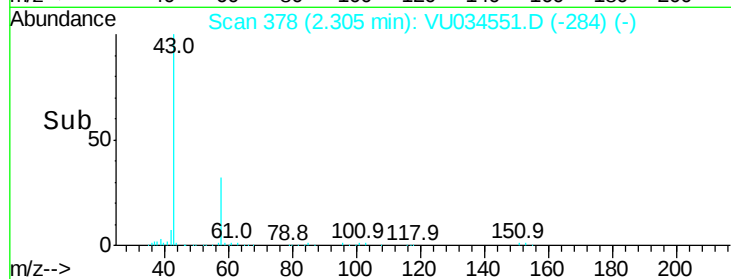
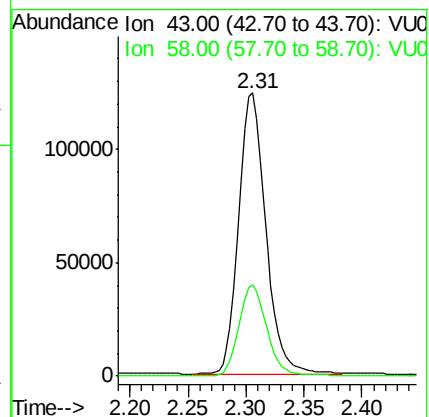
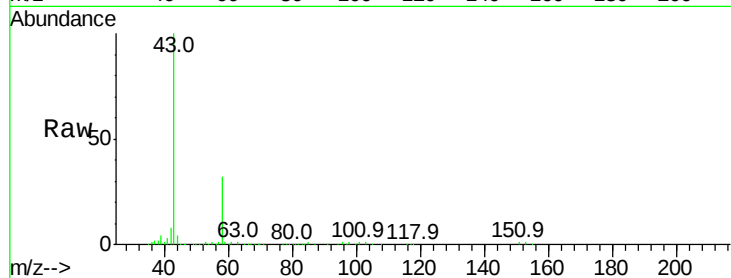
VSTD05032

Tgt Ion: 43 Resp: 200320

Ion Ratio Lower Upper

43 100

58 32.5 0.0 62.4



#14

Carbon disulfide

Concen: 27.705 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VU034551.D

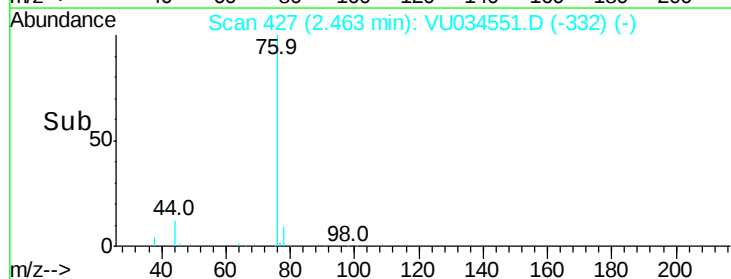
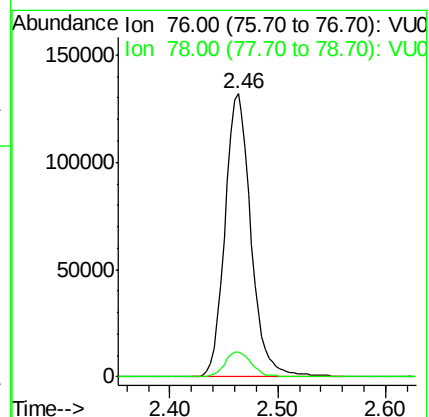
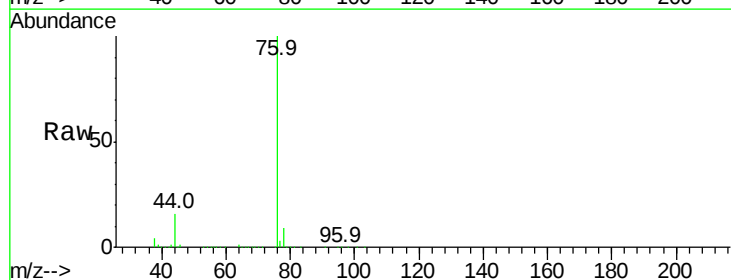
Acq: 16 Sep 2019 11:49

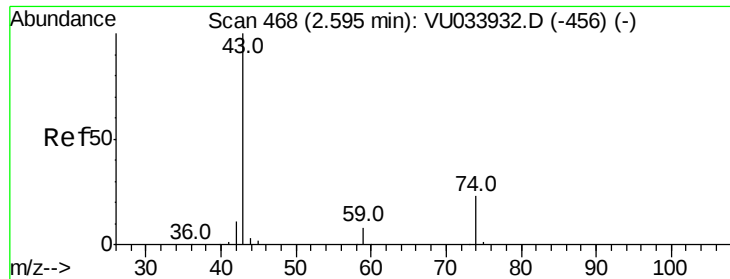
Tgt Ion: 76 Resp: 221184

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

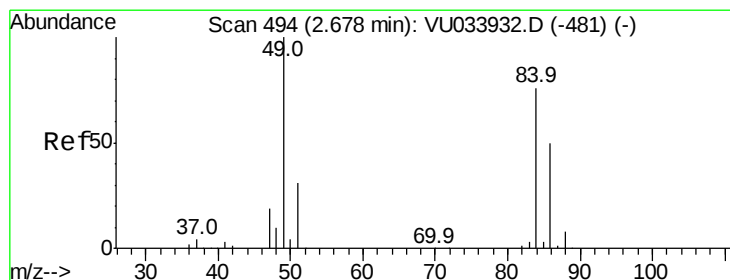
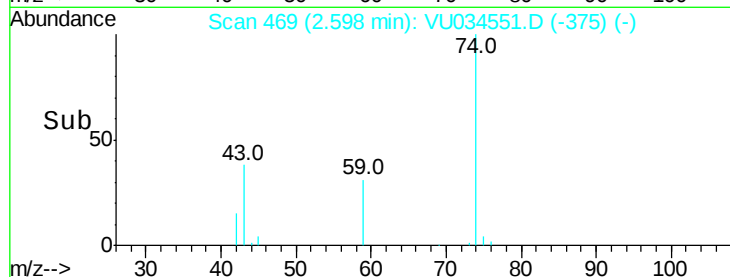
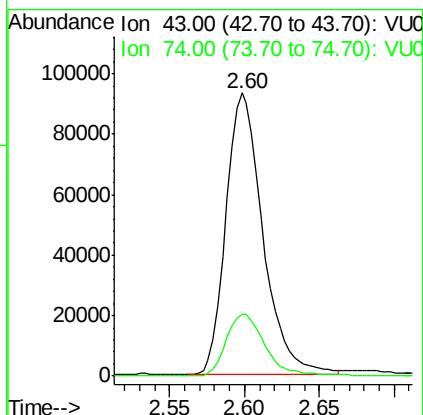
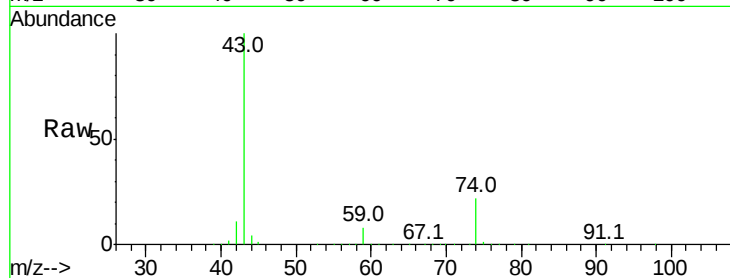




#15
Methyl Acetate
Concen: 46.263 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

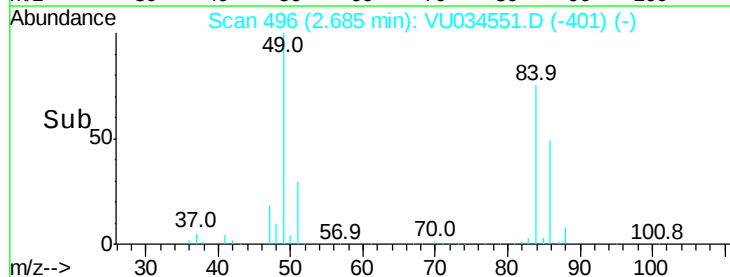
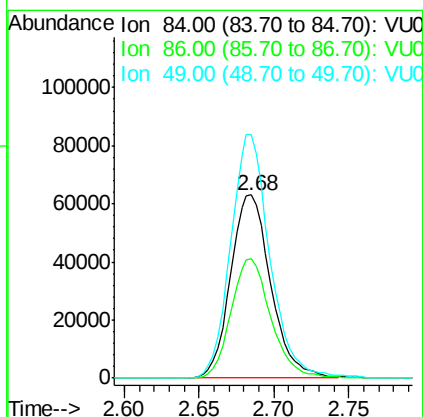
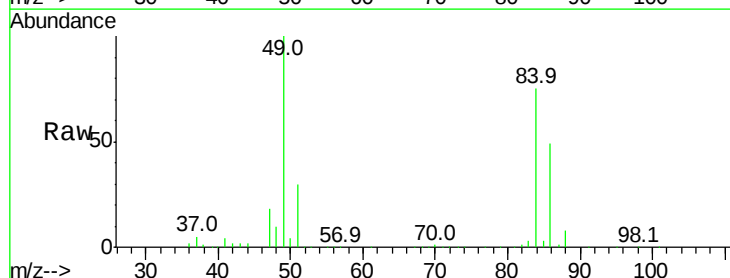
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

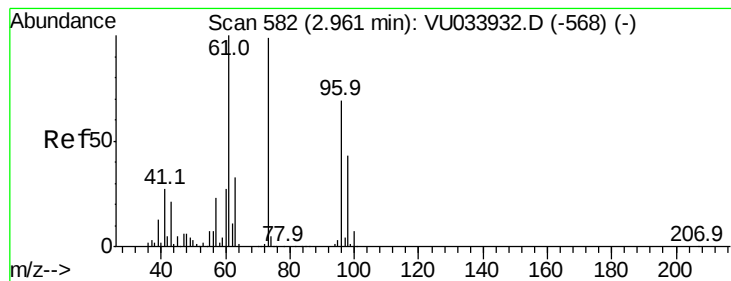
Tgt Ion: 43 Resp: 159827
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



#16
Methylene chloride
Concen: 39.527 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.01 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Tgt Ion: 84 Resp: 118216
Ion Ratio Lower Upper
84 100
86 64.9 45.3 84.1
49 133.0 90.2 167.6





#17

trans-1,2-Dichloroethene

Concen: 36.327 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

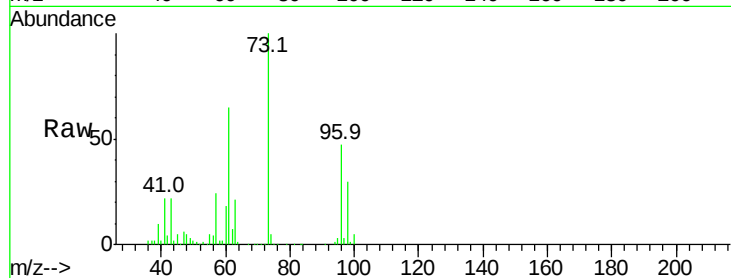
Tgt Ion: 96 Resp: 96855

Ion Ratio Lower Upper

96 100

61 138.6 101.2 187.8

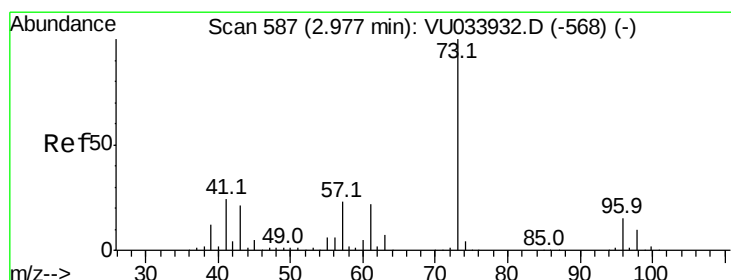
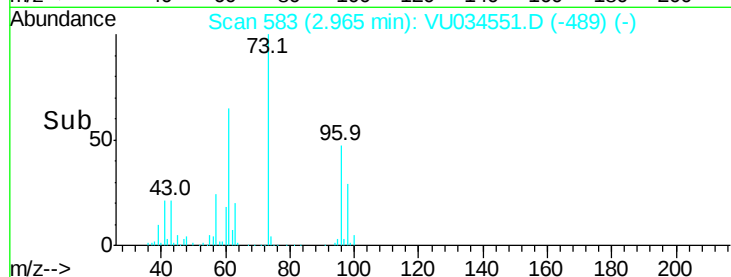
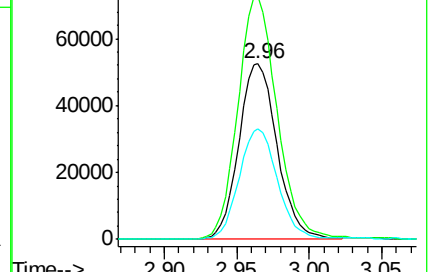
98 63.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033932.D (-568) (-)

Ion 61.00 (60.70 to 61.70): VU033932.D (-568) (-)

Ion 98.00 (97.70 to 98.70): VU033932.D (-568) (-)



#18

Methyl tert-butyl Ether

Concen: 49.739 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

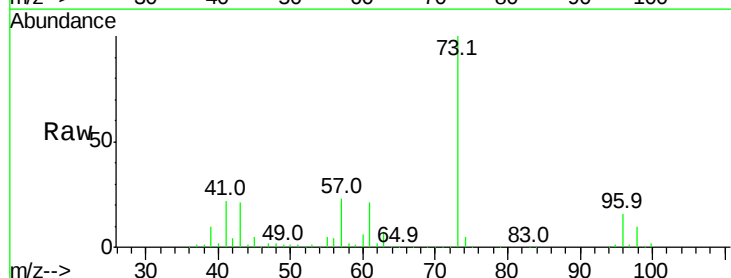
Tgt Ion: 73 Resp: 401415

Ion Ratio Lower Upper

73 100

43 20.9 16.3 24.5

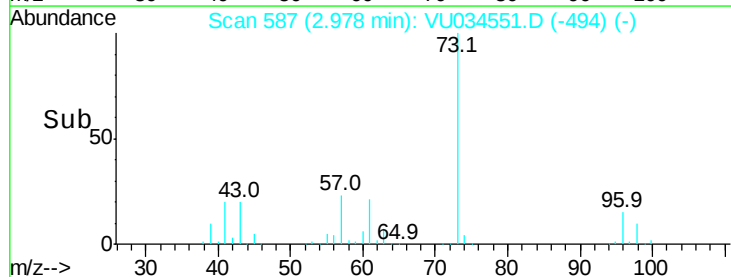
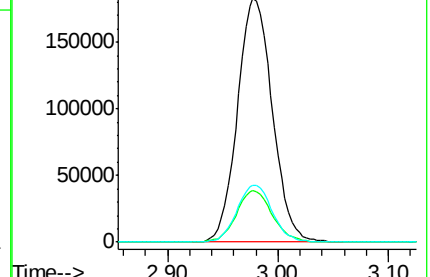
57 23.3 18.8 28.2

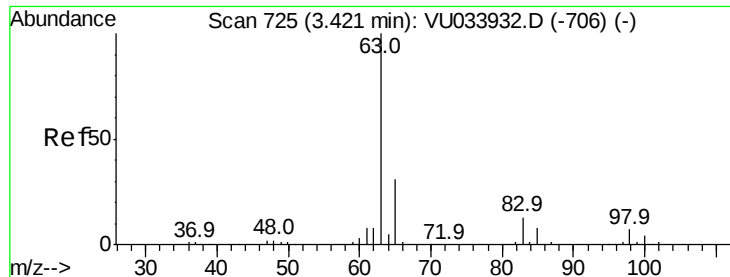


Abundance Ion 73.00 (72.70 to 73.70): VU033932.D (-568) (-)

Ion 43.00 (42.70 to 43.70): VU033932.D (-568) (-)

Ion 57.00 (56.70 to 57.70): VU033932.D (-568) (-)





#19

1,1-Dichloroethane

Concen: 41.226 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

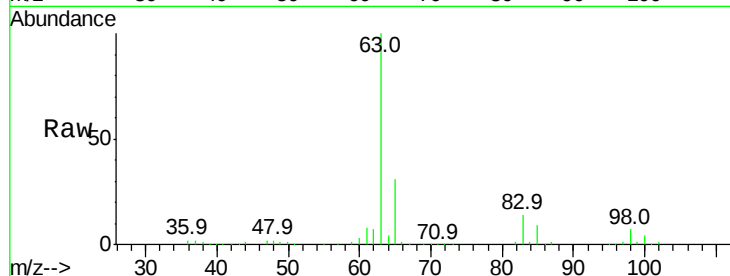
Tgt Ion: 63 Resp: 219053

Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

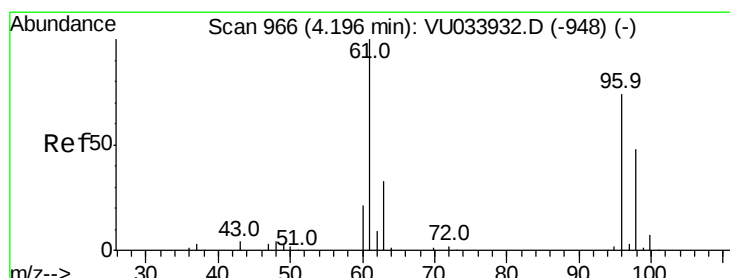
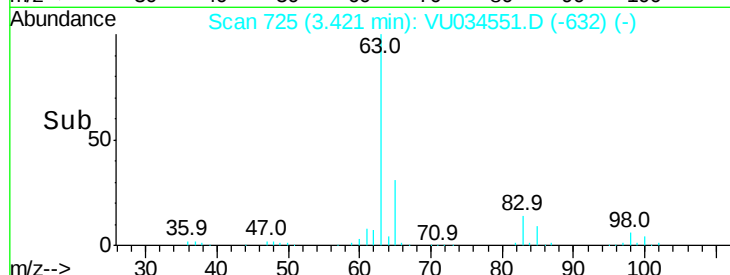
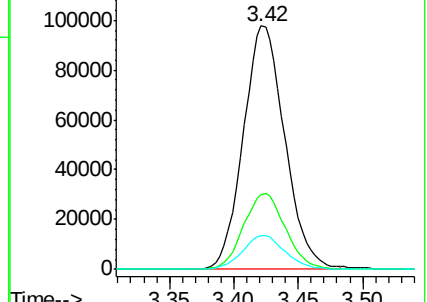
83 13.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033932.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU033932.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU033932.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 42.141 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

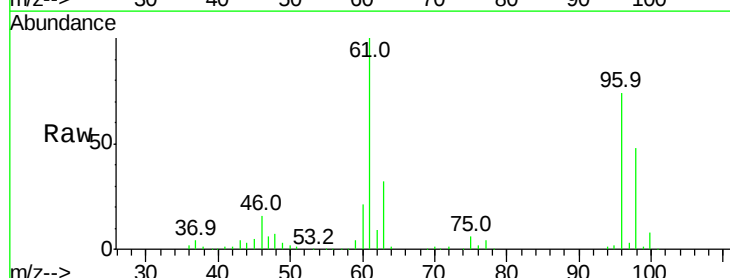
Tgt Ion: 96 Resp: 123675

Ion Ratio Lower Upper

96 100

61 135.3 95.5 177.4

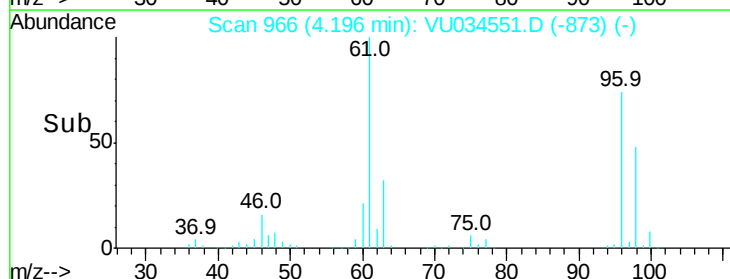
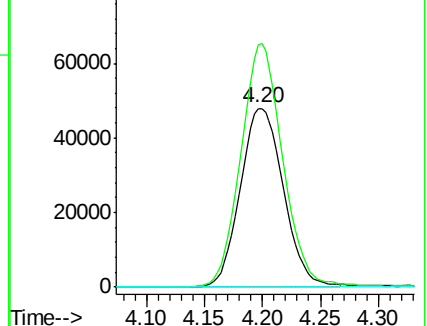
68 0.0 0.0 0.0

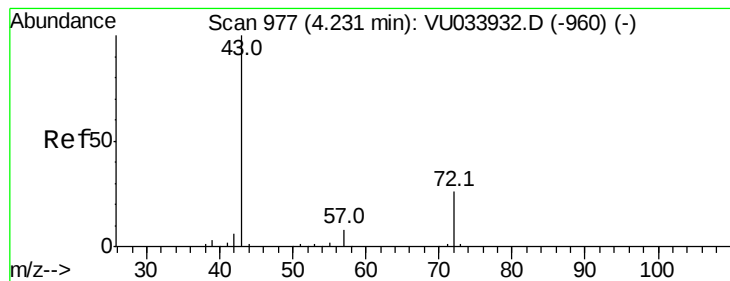


Abundance Ion 96.00 (95.70 to 96.70): VU033932.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU033932.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU033932.D (-948) (-)





#22

2-Butanone

Concen: 106.639 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

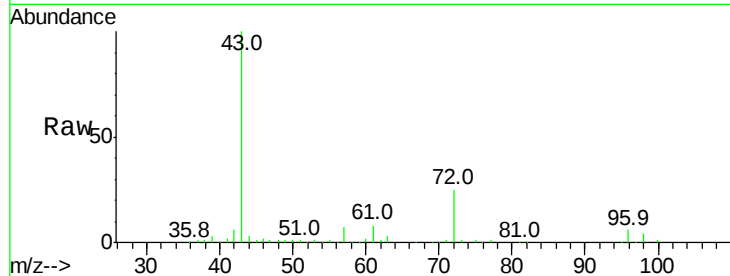
VSTD05032

Tgt Ion: 43 Resp: 265791

Ion Ratio Lower Upper

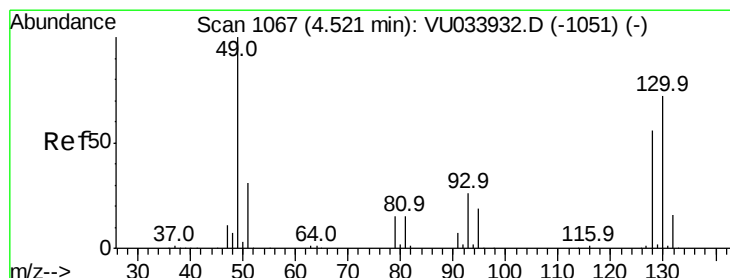
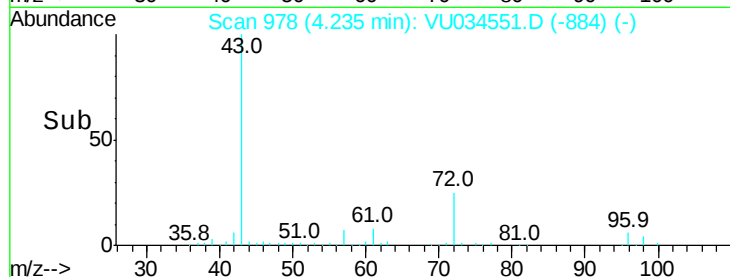
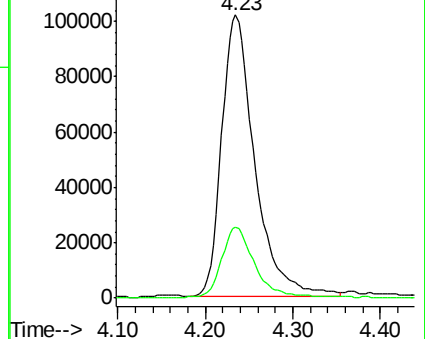
43 100

72 24.1 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU034551.D (-978) (-)

Ion 72.00 (71.70 to 72.70): VU034551.D (-978) (-)



#23

Bromochloromethane

Concen: 39.383 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Tgt Ion: 128 Resp: 59441

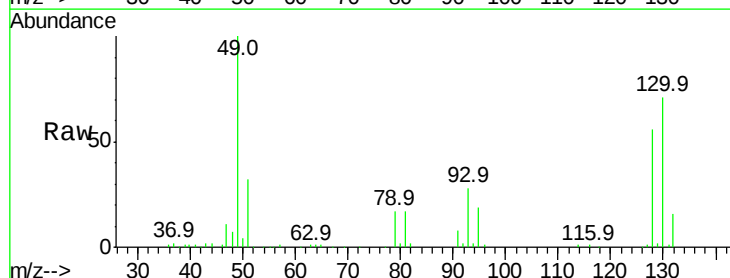
Ion Ratio Lower Upper

128 100

49 179.5 119.4 221.8

130 128.3 90.9 168.7

51 57.5 43.0 64.4

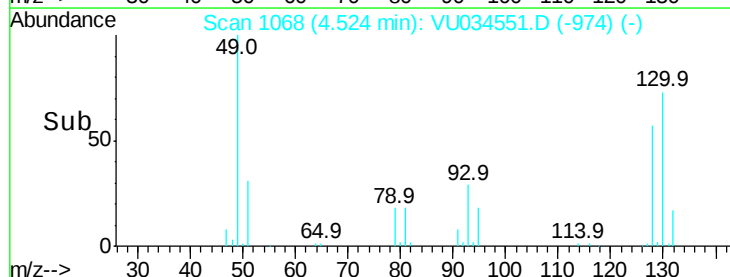
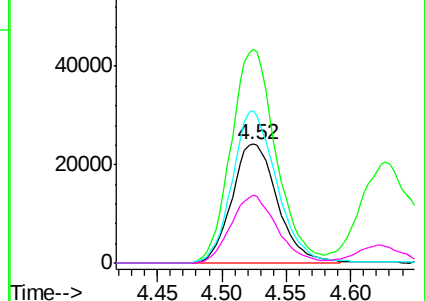


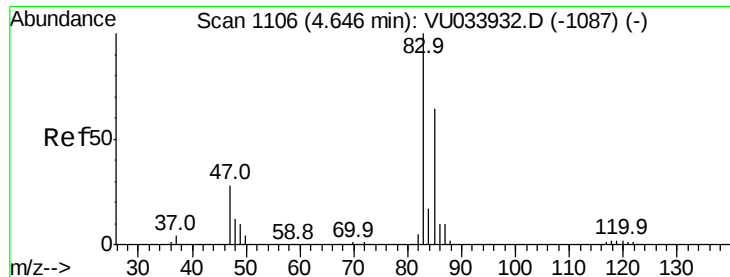
Abundance Ion 128.00 (127.70 to 128.70): VU034551.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU034551.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU034551.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU034551.D (-1068) (-)





#25

Chloroform

Concen: 42.832 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

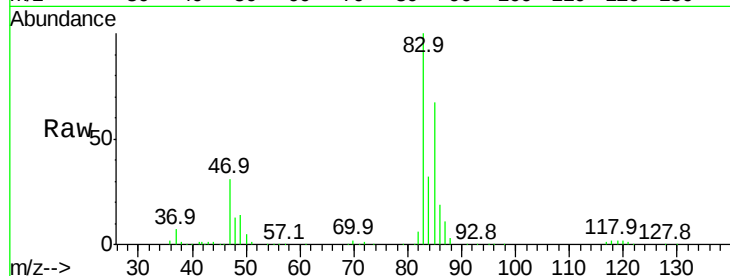
VSTD05032

Tgt Ion: 83 Resp: 225401

Ion Ratio Lower Upper

83 100

85 66.6 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033932.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU033932.D (-1087) (-)

4.65

100000

80000

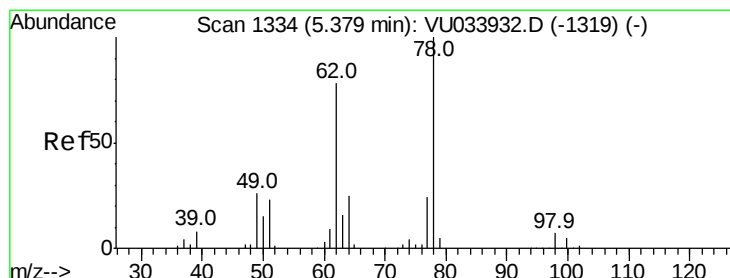
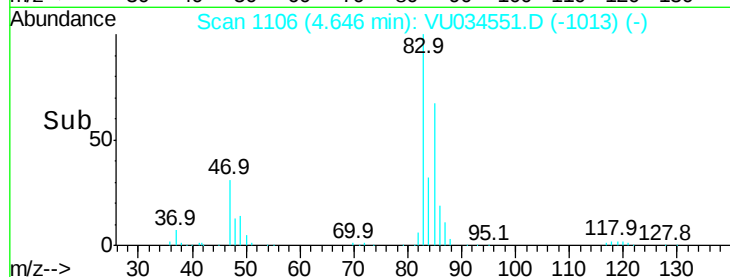
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 38.898 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034551.D

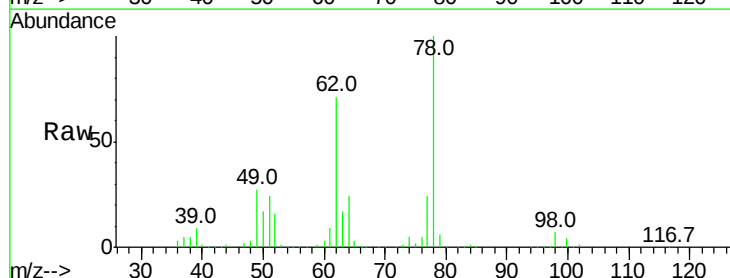
Acq: 16 Sep 2019 11:49

Tgt Ion: 62 Resp: 160623

Ion Ratio Lower Upper

62 100

98 9.2 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU033932.D (-1319) (-)

Ion 98.00 (97.70 to 98.70): VU033932.D (-1319) (-)

5.38

80000

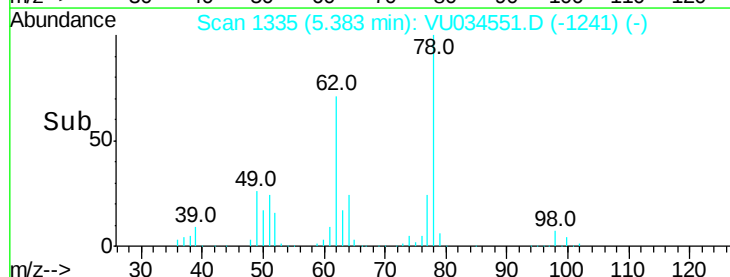
60000

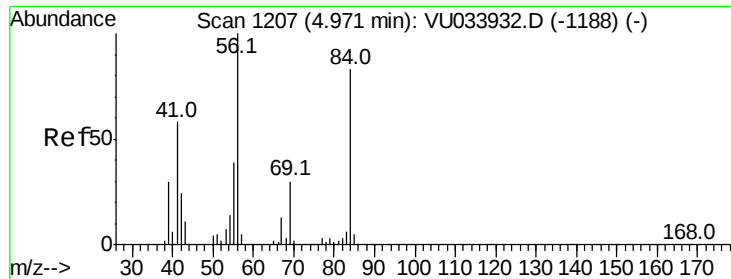
40000

20000

0

Time-->

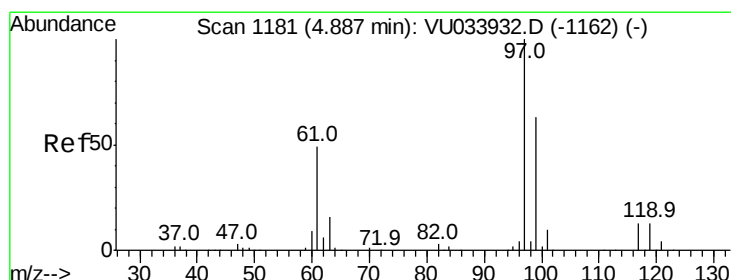
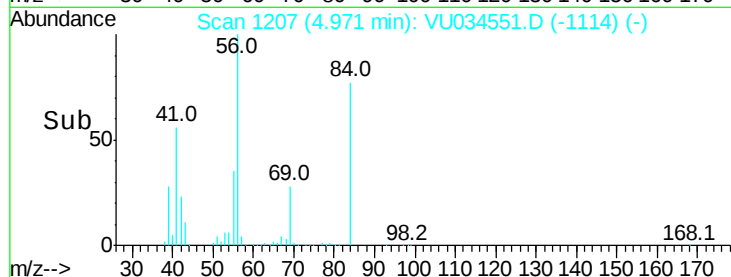
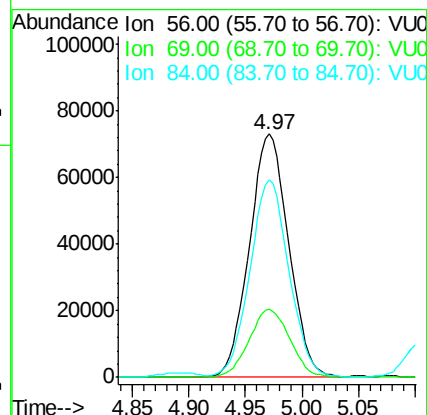
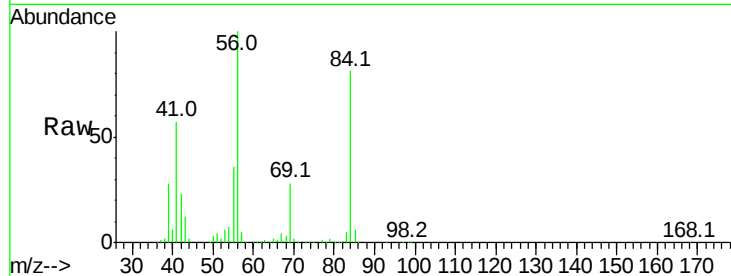




#29
Cyclohexane
Concen: 44.031 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

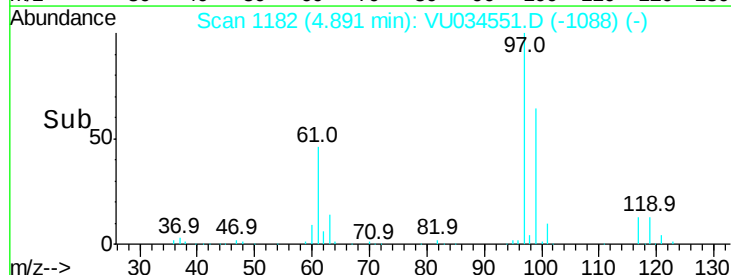
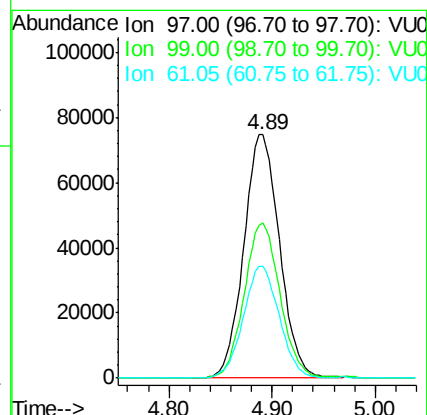
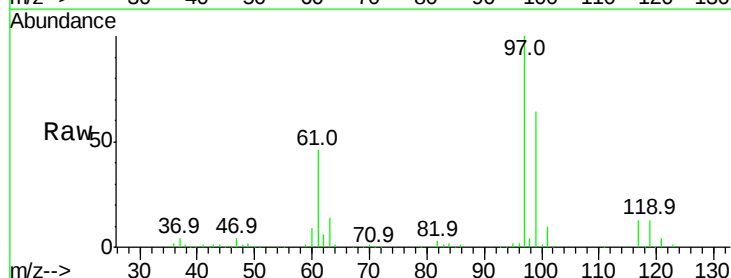
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

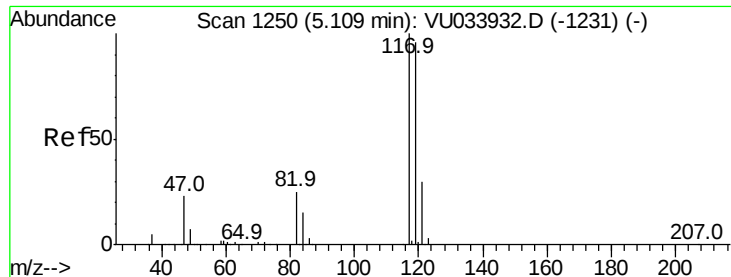
Tgt Ion: 56 Resp: 175549
Ion Ratio Lower Upper
56 100
69 29.1 24.1 36.1
84 80.3 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 45.357 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Tgt Ion: 97 Resp: 180499
Ion Ratio Lower Upper
97 100
99 63.4 51.1 76.7
61 46.1 38.6 57.8





#31

Carbon tetrachloride

Concen: 43.152 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

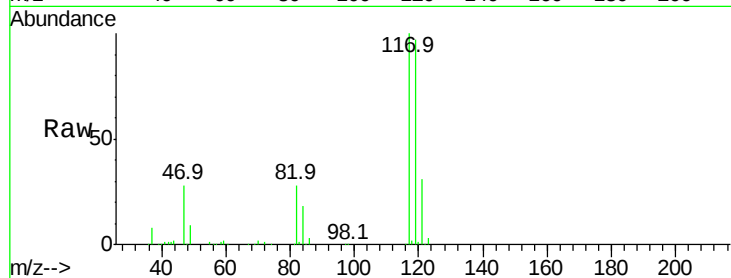
VSTD05032

Tgt Ion:117 Resp: 152427

Ion Ratio Lower Upper

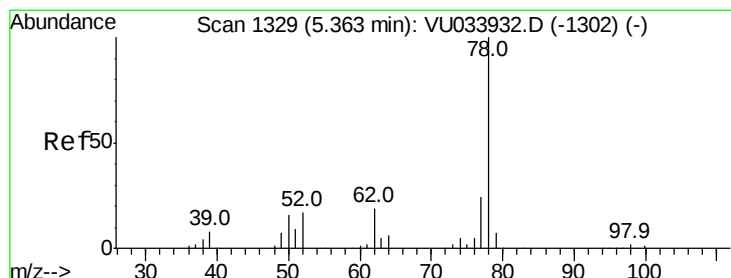
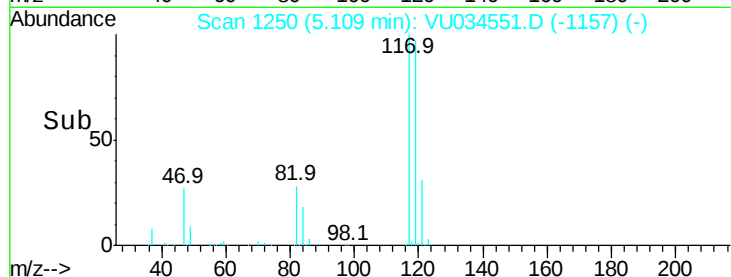
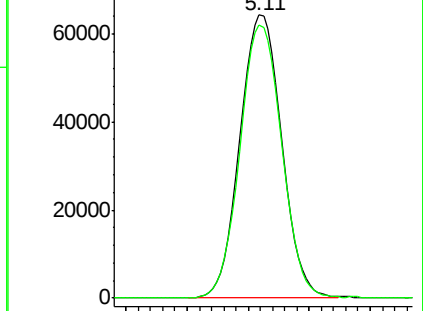
117 100

119 96.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.509 ug/L

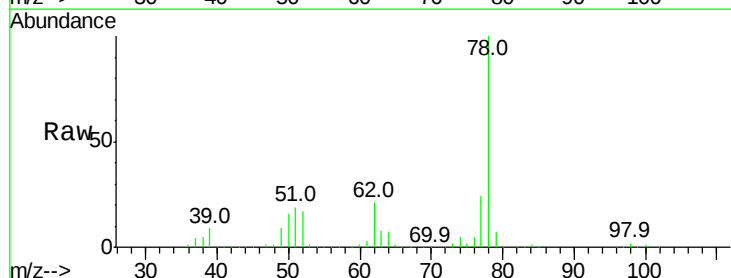
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Tgt Ion: 78 Resp: 465062



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

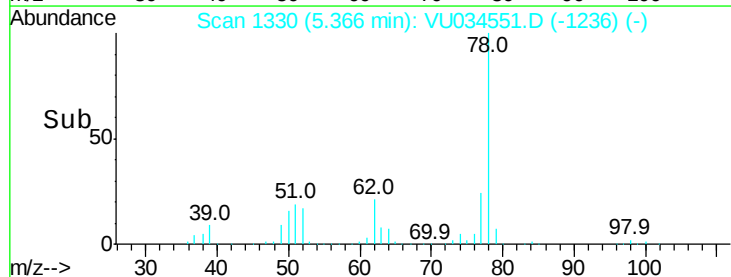
150000

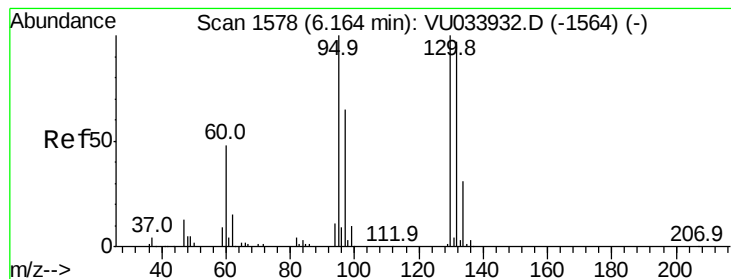
100000

50000

0

Time-->





#34

Trichloroethene

Concen: 42.677 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 95 Resp: 115703

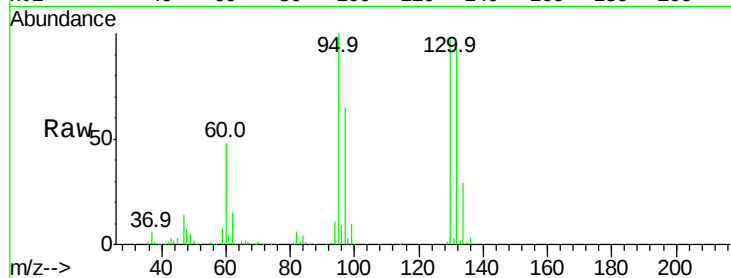
Ion Ratio Lower Upper

95 100

97 64.9 44.7 82.9

132 93.1 65.7 122.1

130 97.9 70.0 130.0

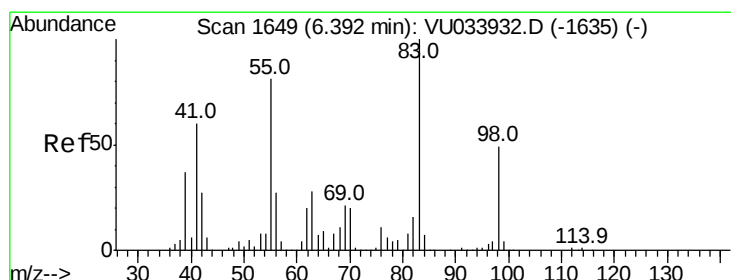
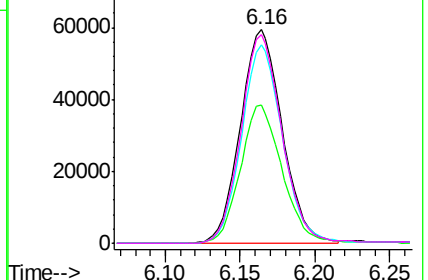
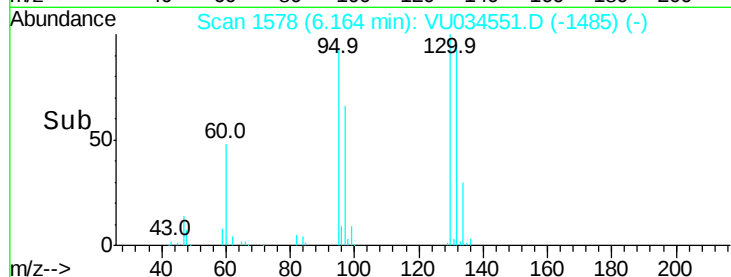


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 42.154 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

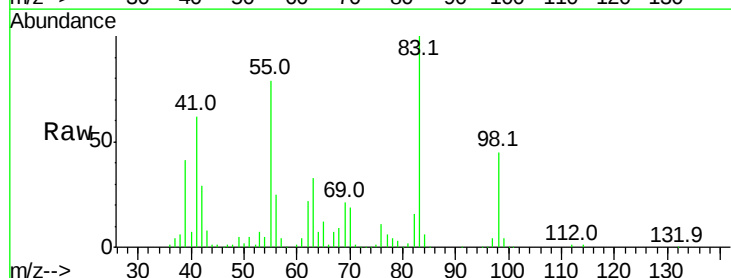
Tgt Ion: 83 Resp: 172297

Ion Ratio Lower Upper

83 100

55 78.8 64.4 96.6

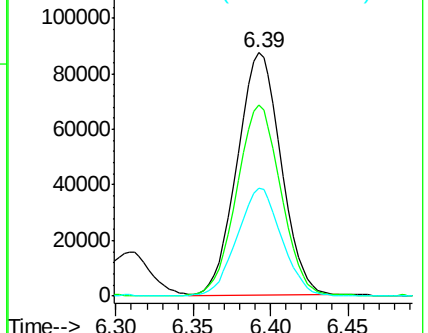
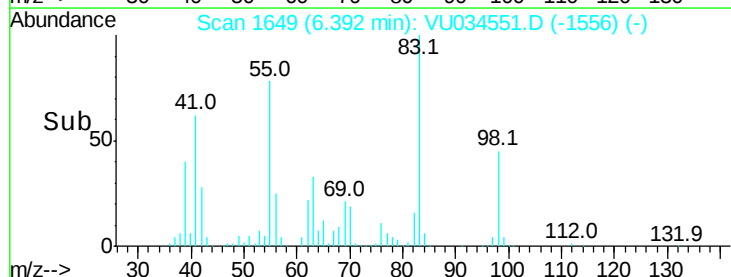
98 45.2 38.7 58.1

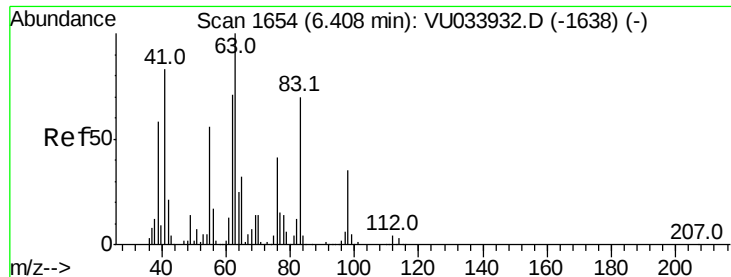


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

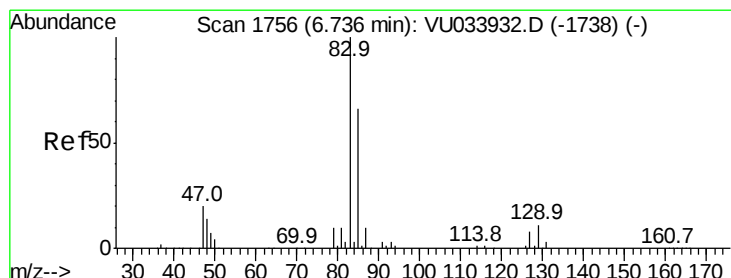
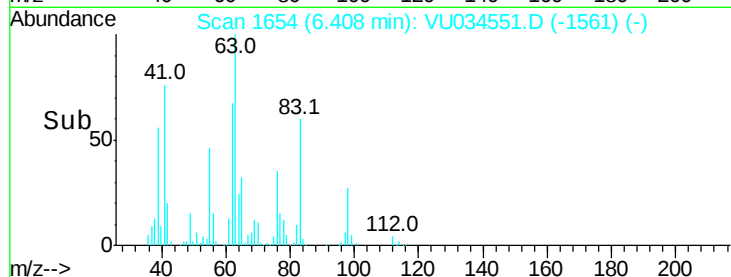
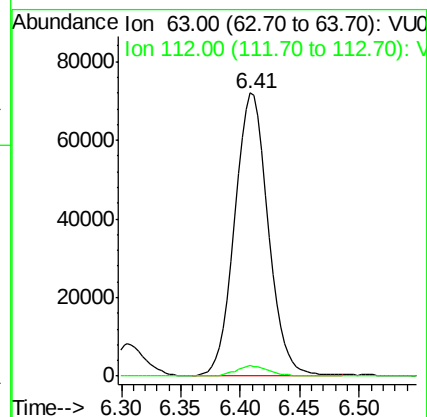
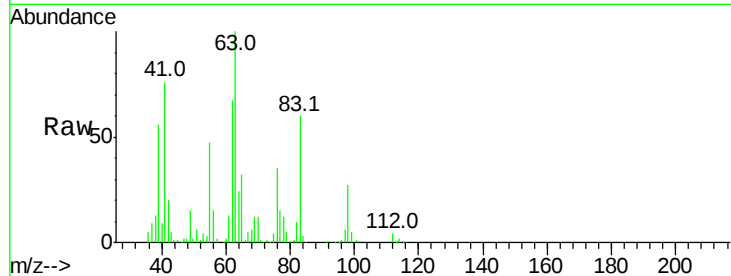




#37
 1,2-Dichloropropane
 Concen: 49.021 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

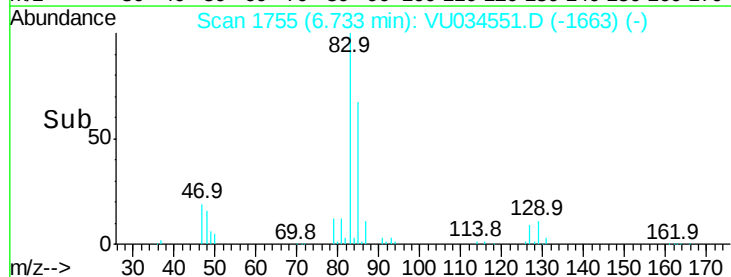
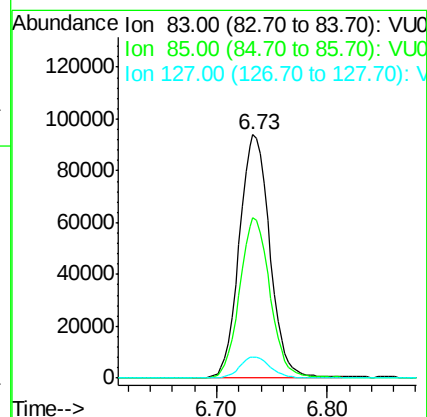
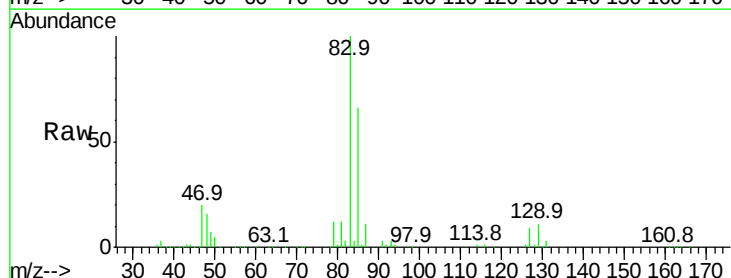
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

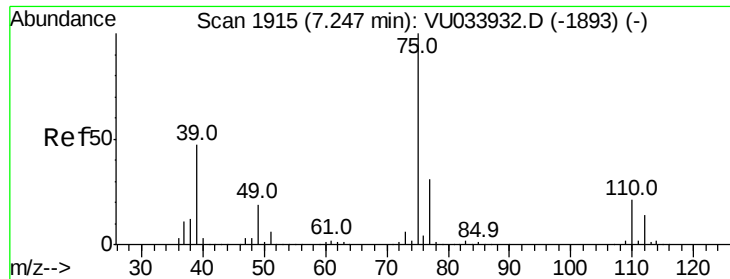
Tgt Ion: 63 Resp: 140130
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.818 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

Tgt Ion: 83 Resp: 180323
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.0 81.8
 127 8.8 6.8 10.2

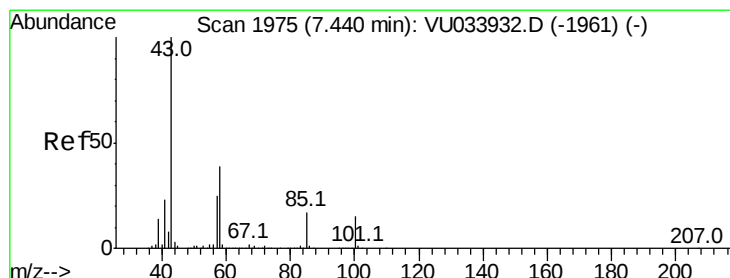
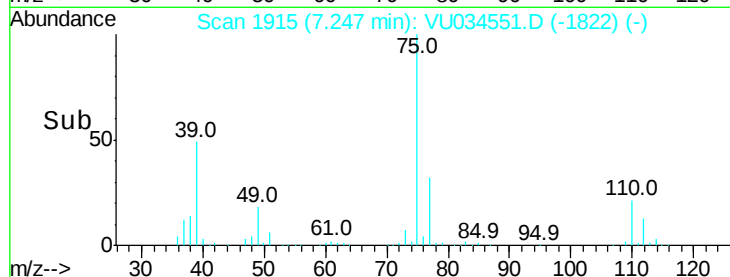
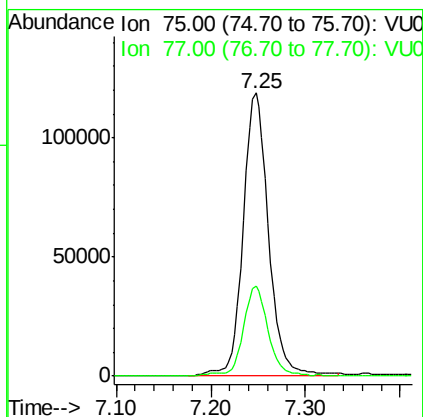
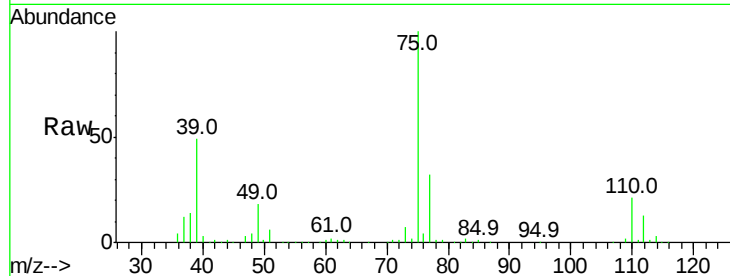




#39
 cis-1,3-Dichloropropene
 Concen: 52.333 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

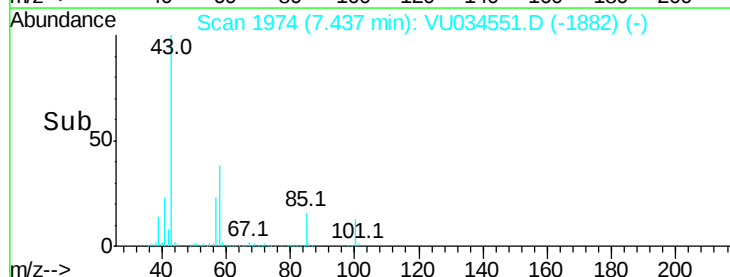
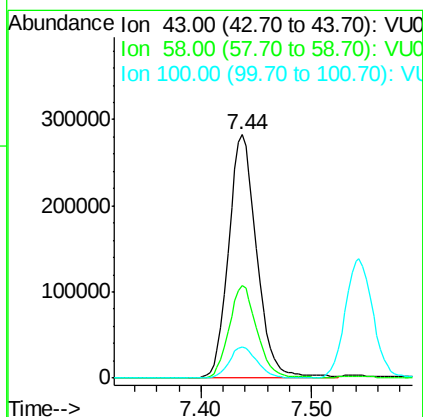
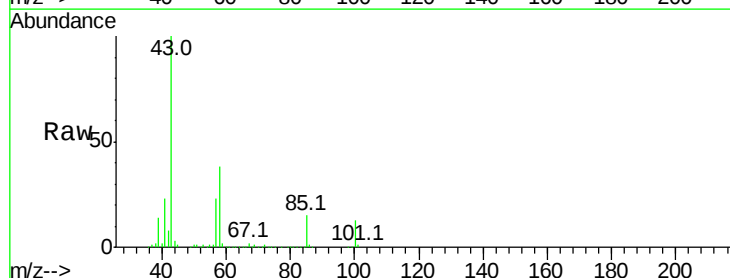
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

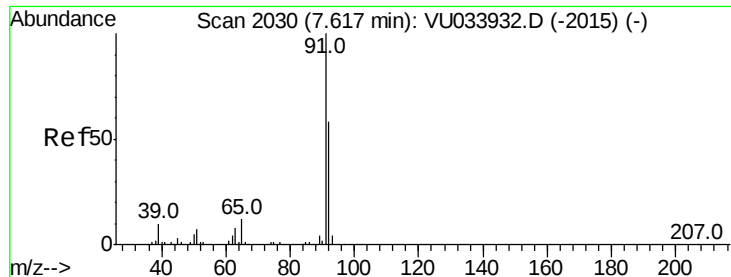
Tgt Ion: 75 Resp: 222353
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 121.550 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

Tgt Ion: 43 Resp: 497644
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.6 47.4
 100 12.8 12.0 18.0





#42

Toluene

Concen: 46.306 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

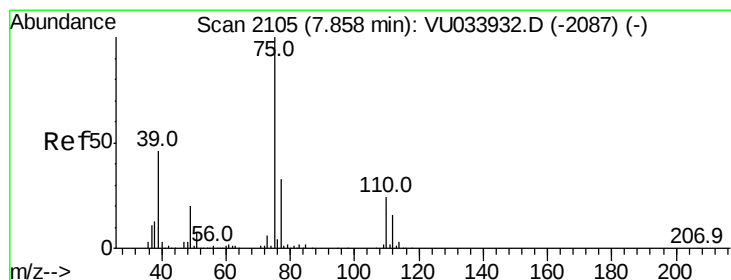
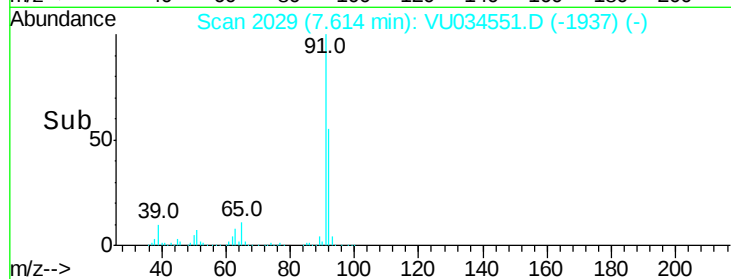
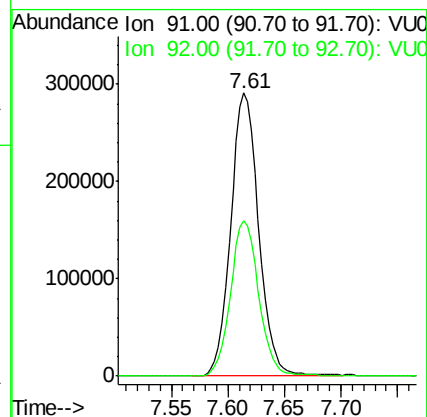
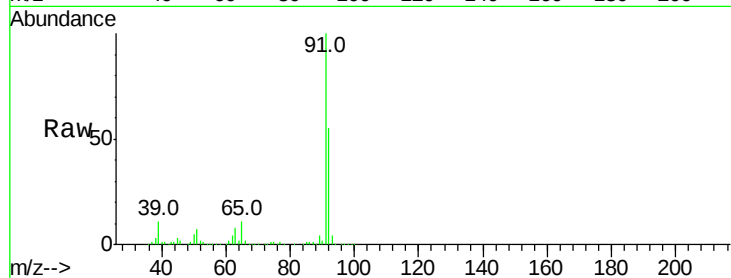
VSTD05032

Tgt Ion: 91 Resp: 500664

Ion Ratio Lower Upper

91 100

92 54.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 51.609 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034551.D

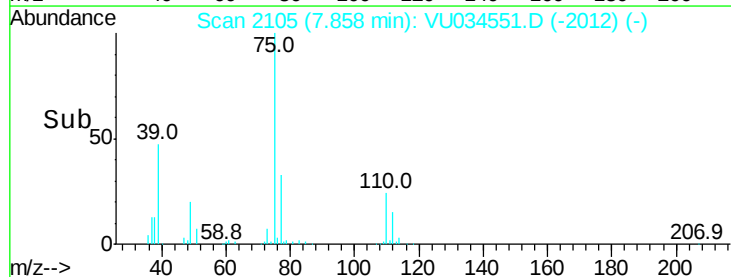
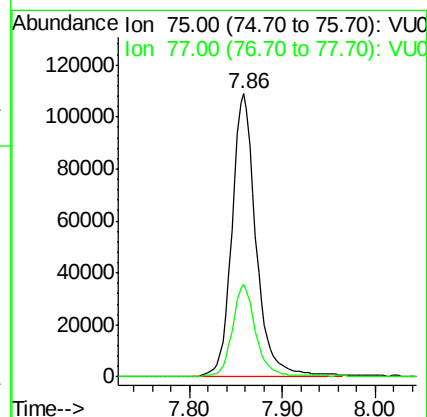
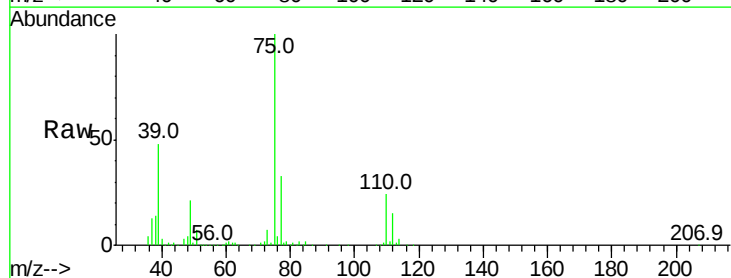
Acq: 16 Sep 2019 11:49

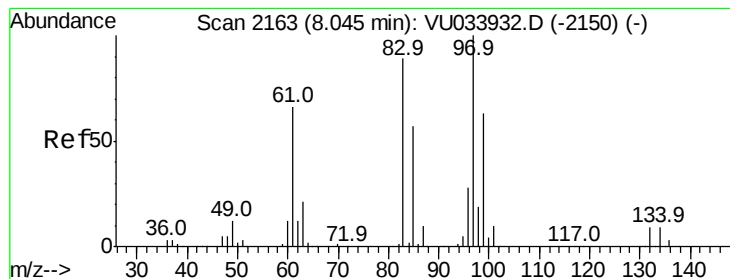
Tgt Ion: 75 Resp: 197597

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 49.471 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 97 Resp: 129750

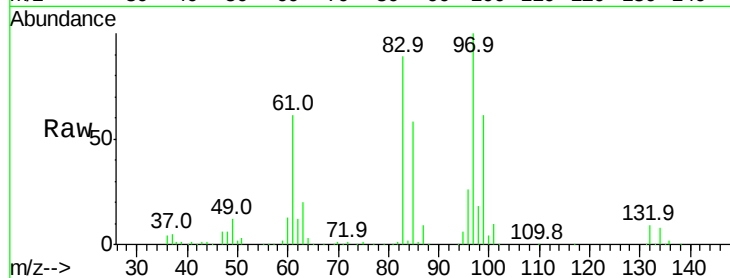
Ion Ratio Lower Upper

97 100

99 60.6 44.2 82.2

83 89.3 61.2 113.6

85 58.2 39.0 72.4

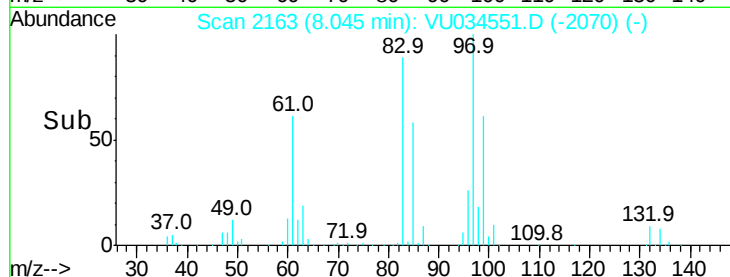


Abundance Ion 97.00 (96.70 to 97.70): VU0

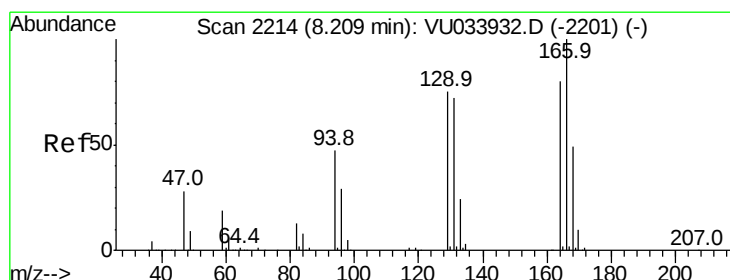
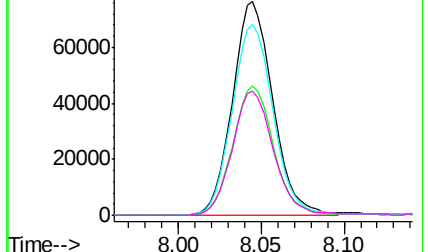
Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#46

Tetrachloroethene

Concen: 36.035 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Tgt Ion: 164 Resp: 75924

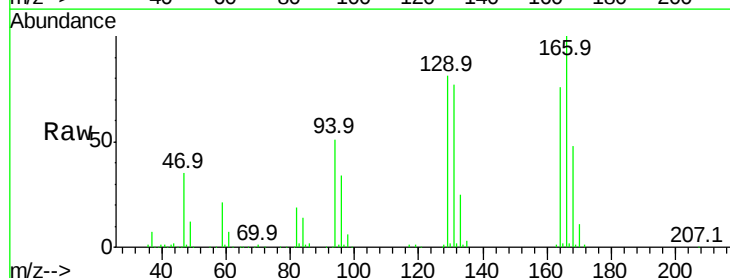
Ion Ratio Lower Upper

164 100

129 106.4 63.9 118.7

131 100.6 62.5 116.1

166 131.0 87.3 162.1

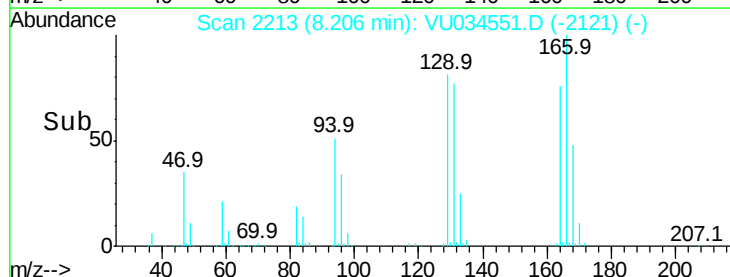


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

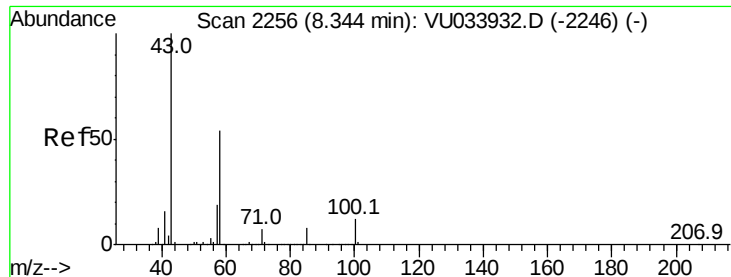
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

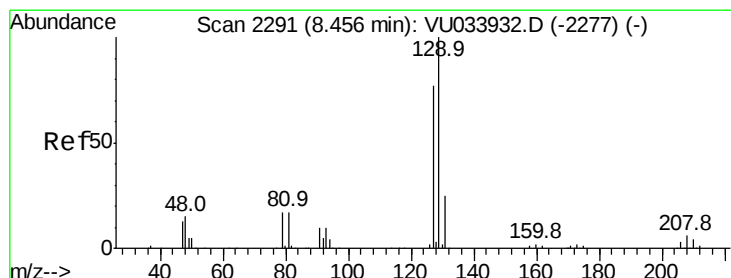
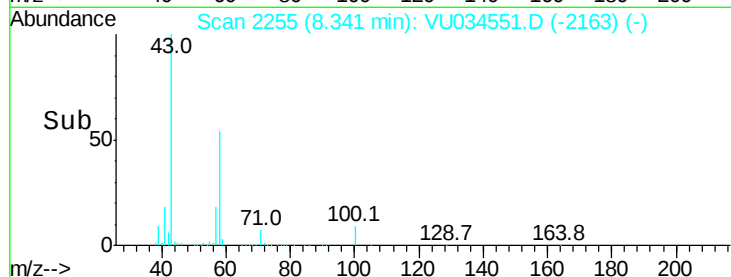
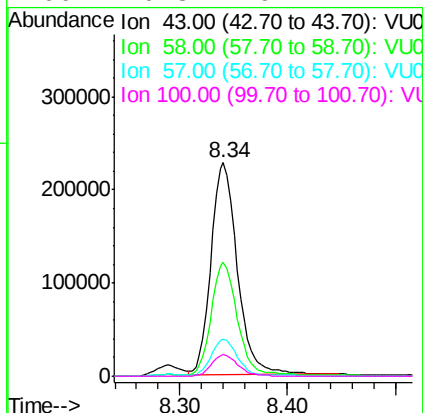
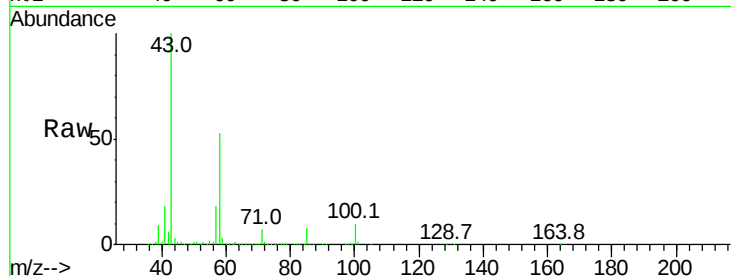




#48
2-Hexanone
Concen: 121.418 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

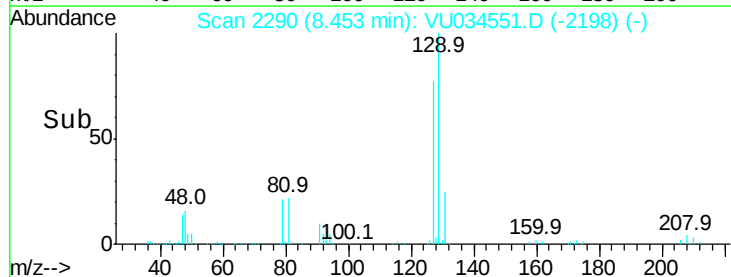
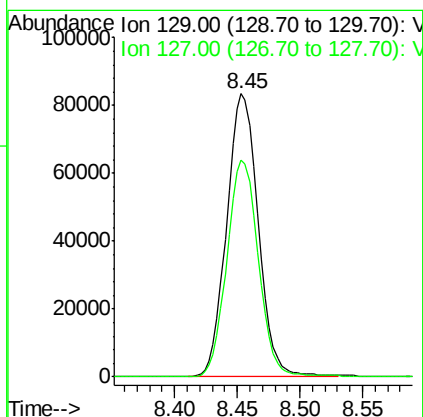
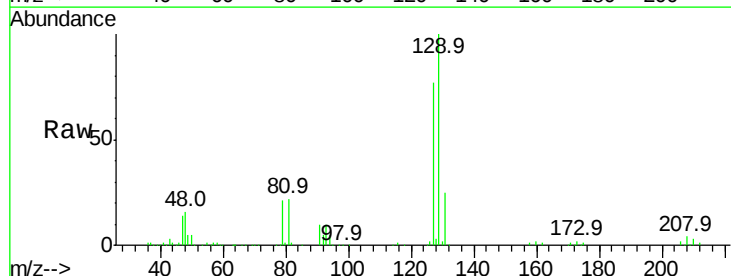
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

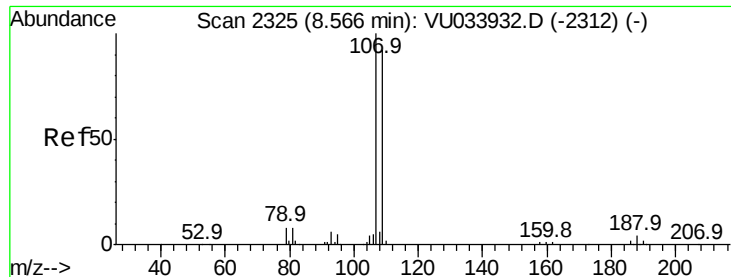
Tgt Ion: 43 Resp: 386002
Ion Ratio Lower Upper
43 100
58 54.1 44.3 66.5
57 16.4 15.3 22.9
100 10.3 9.4 14.2



#49
Dibromochloromethane
Concen: 50.209 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Tgt Ion: 129 Resp: 146082
Ion Ratio Lower Upper
129 100
127 76.5 54.5 101.3

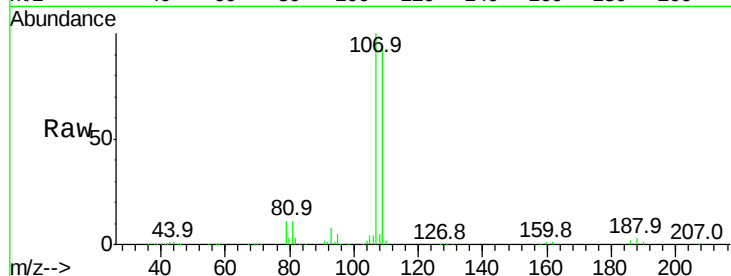




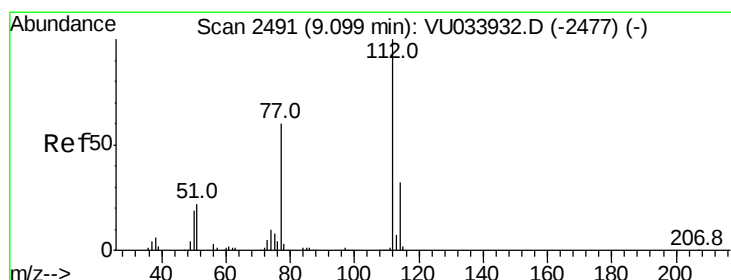
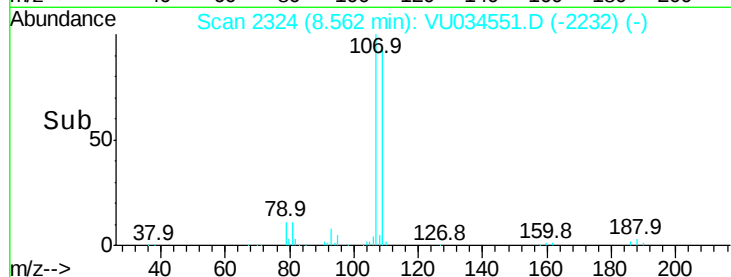
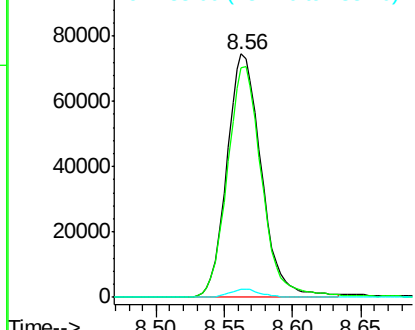
#50
1,2-Dibromoethane
Concen: 46.799 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	130892		
109	94.1	66.9	124.3	
188	3.2	3.0	4.4	

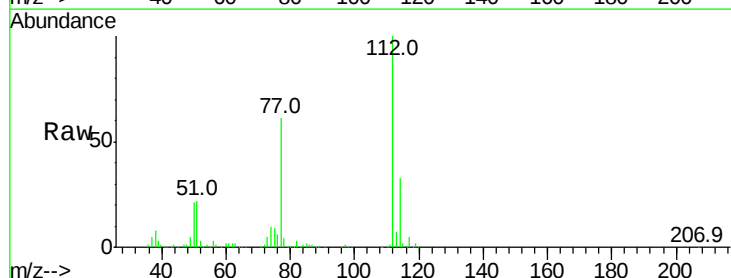


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

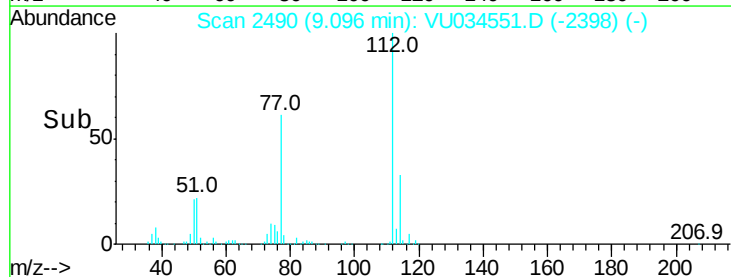
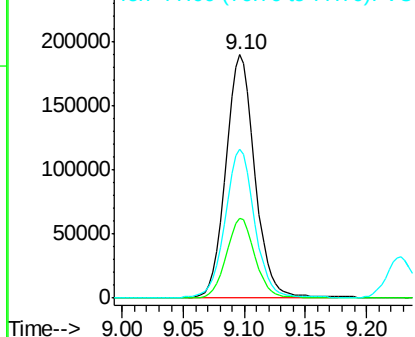


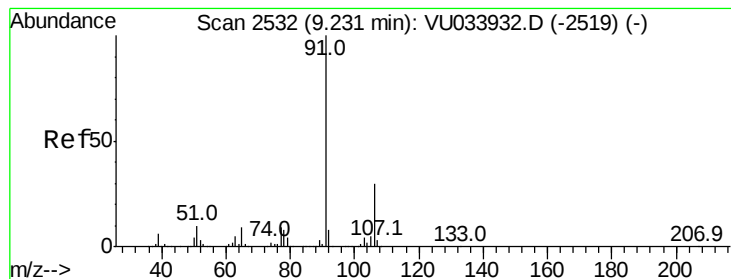
#51
Chlorobenzene
Concen: 44.491 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034551.D
Acq: 16 Sep 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	318151		
114	32.9	22.5	41.7	
77	61.3	47.3	70.9	



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): V





#52

Ethylbenzene

Concen: 48.777 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

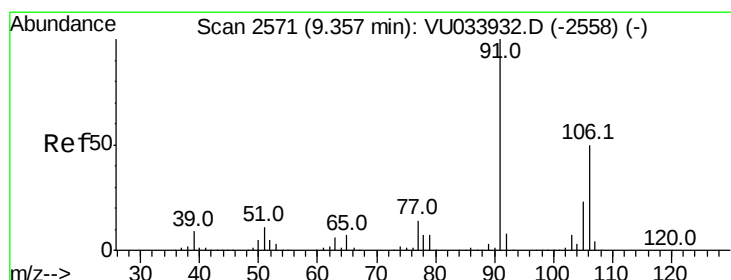
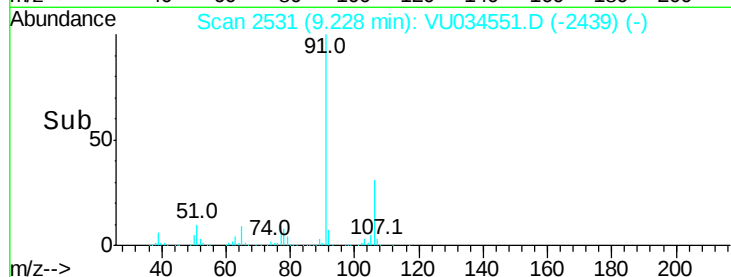
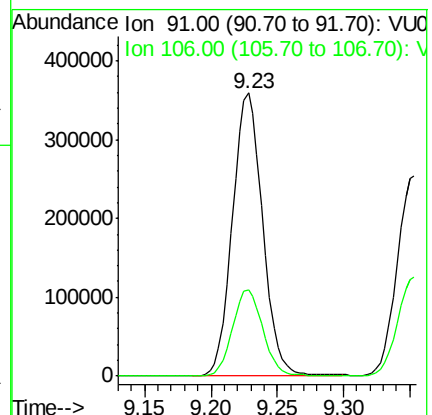
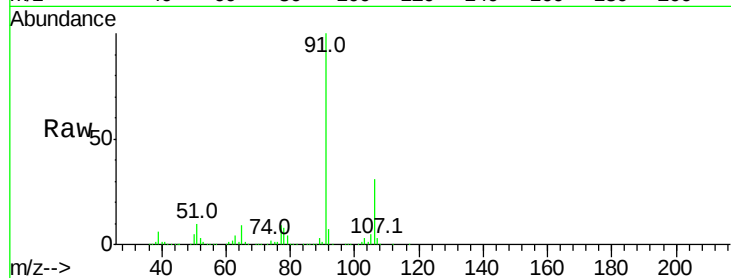
VSTD05032

Tgt Ion: 91 Resp: 569642

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 48.148 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034551.D

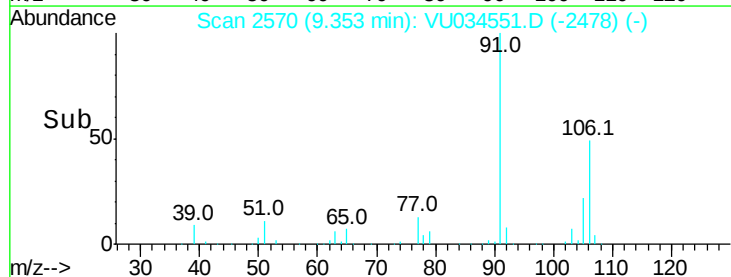
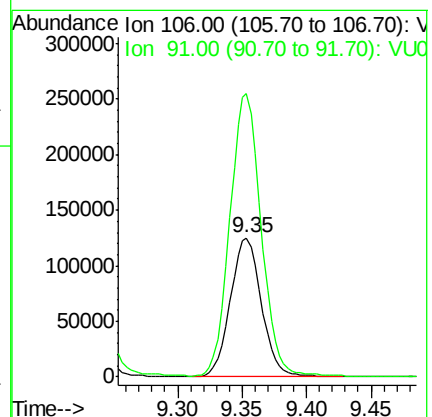
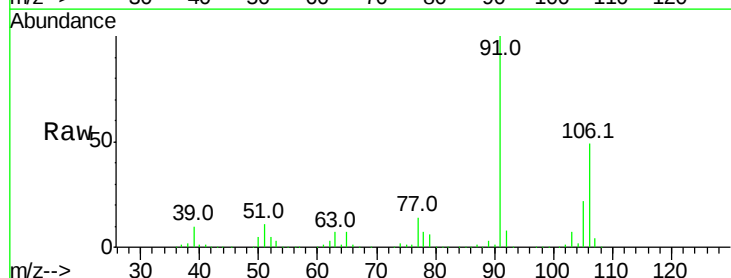
Acq: 16 Sep 2019 11:49

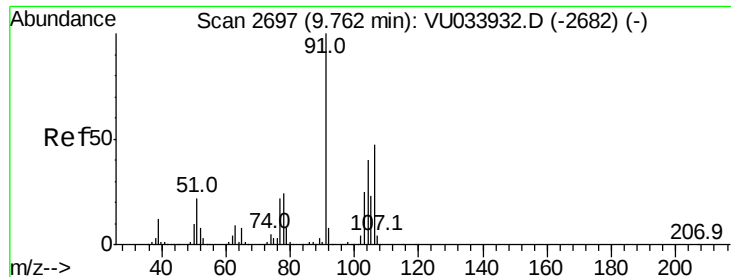
Tgt Ion: 106 Resp: 207212

Ion Ratio Lower Upper

106 100

91 203.7 142.2 264.0





#54

o-xylene

Concen: 49.790 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

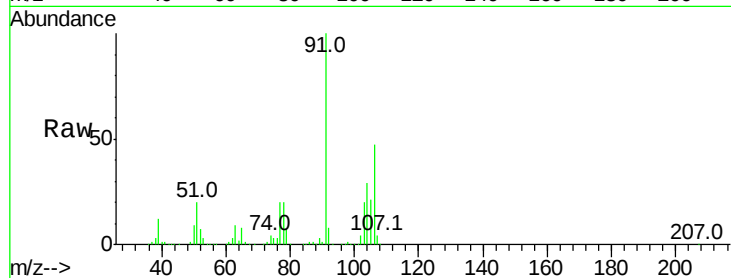
VSTD05032

Tgt Ion:106 Resp: 211218

Ion Ratio Lower Upper

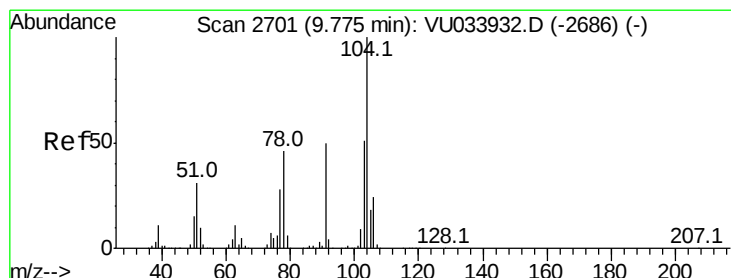
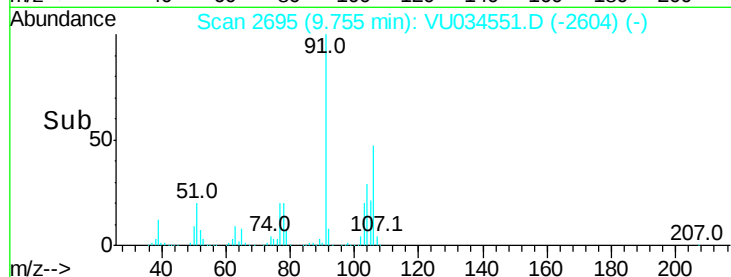
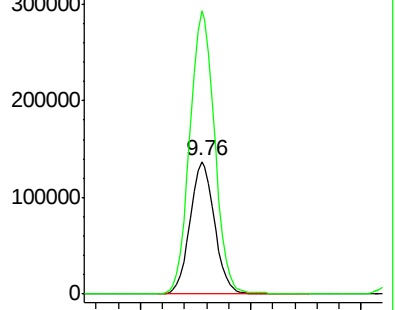
106 100

91 213.5 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.720 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.01 min

Lab File: VU034551.D

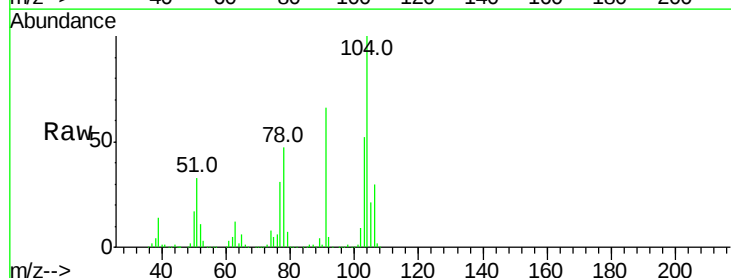
Acq: 16 Sep 2019 11:49

Tgt Ion:104 Resp: 366362

Ion Ratio Lower Upper

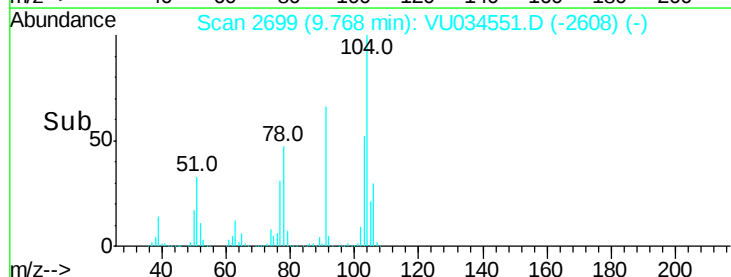
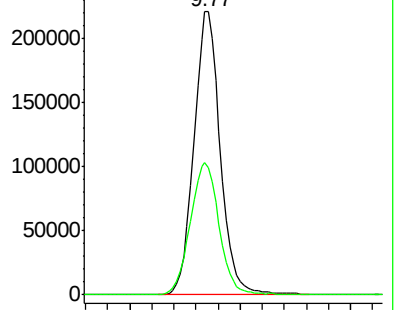
104 100

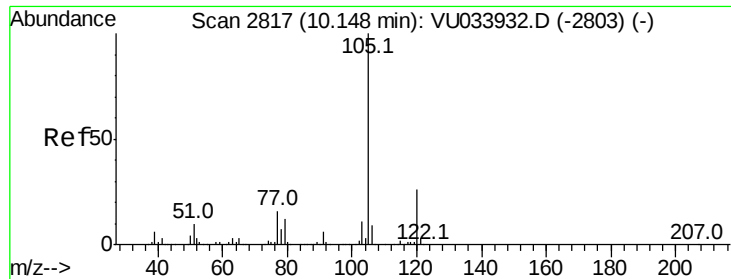
78 46.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.870 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

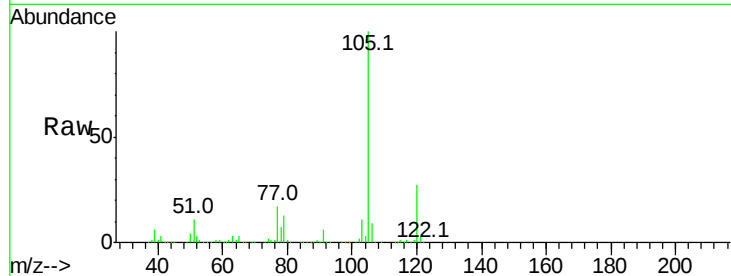
Tgt Ion:105 Resp: 560769

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

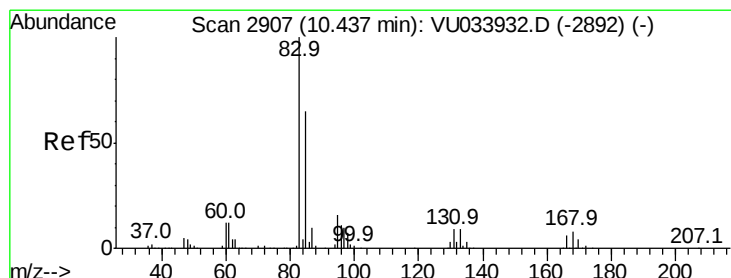
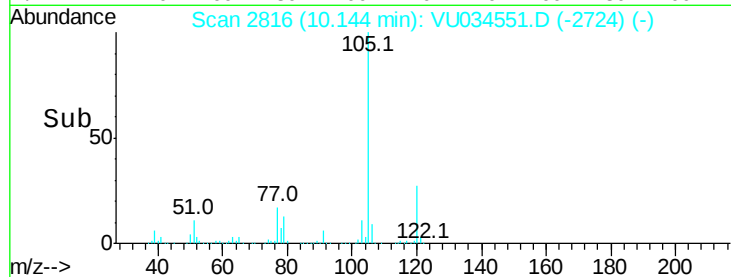
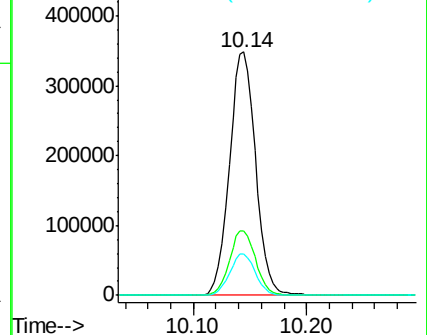
77 16.9 12.6 18.8



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: 55.227 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

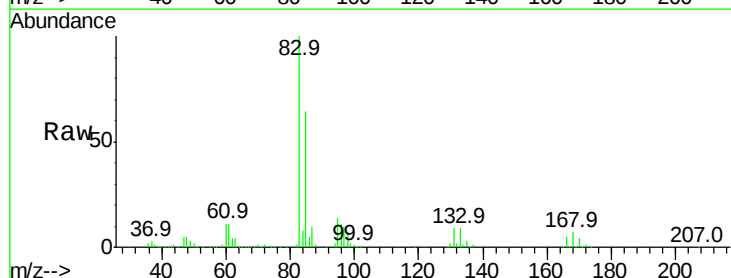
Tgt Ion: 83 Resp: 251049

Ion Ratio Lower Upper

83 100

85 63.6 46.3 85.9

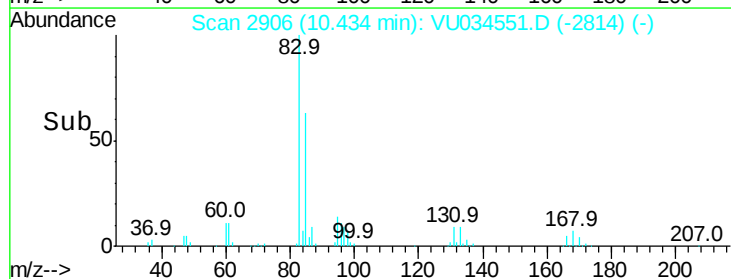
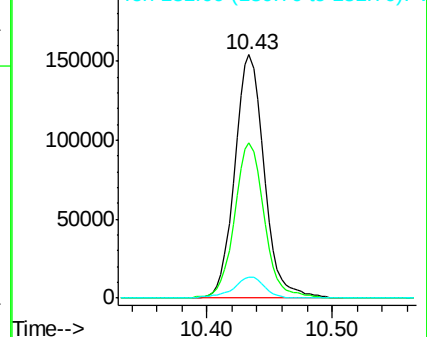
131 8.5 7.9 11.9

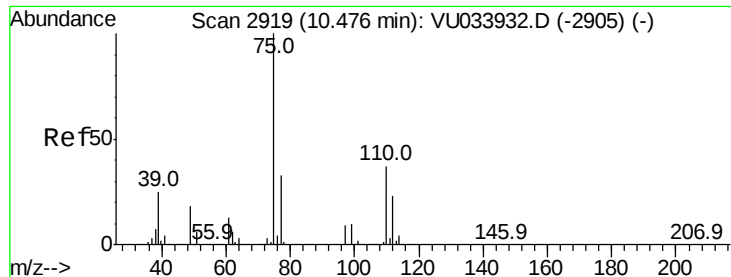


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.972 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

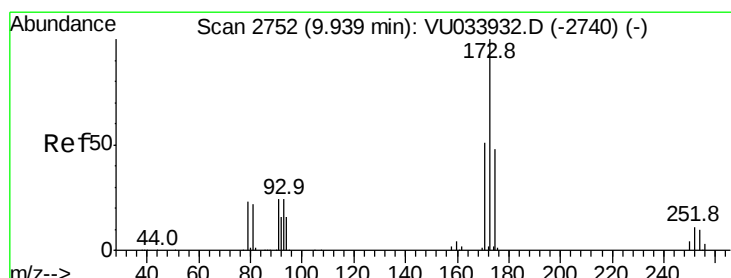
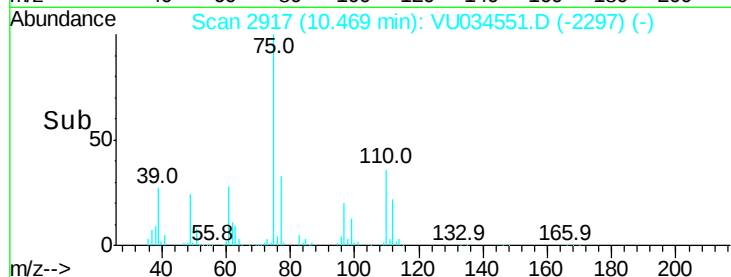
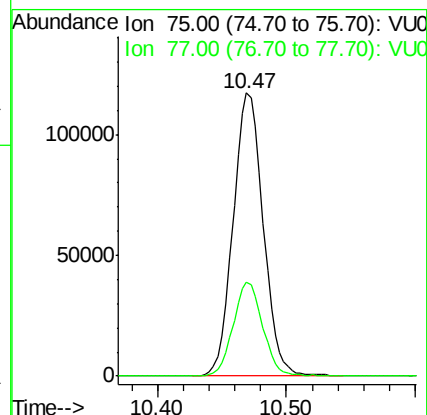
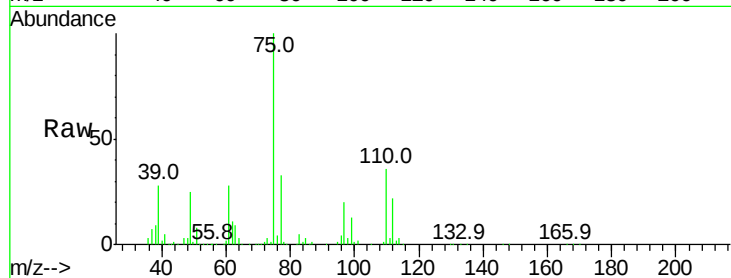
VSTD05032

Tgt Ion: 75 Resp: 189869

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#61

Bromoform

Concen: 52.287 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

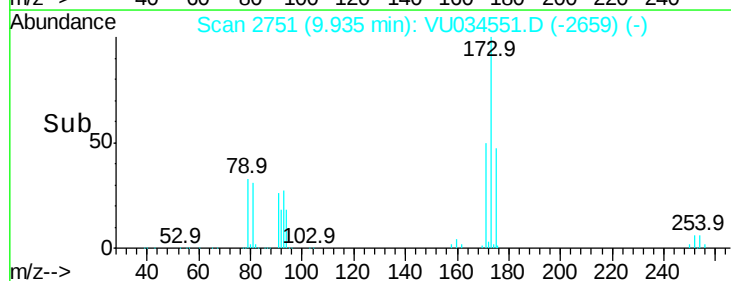
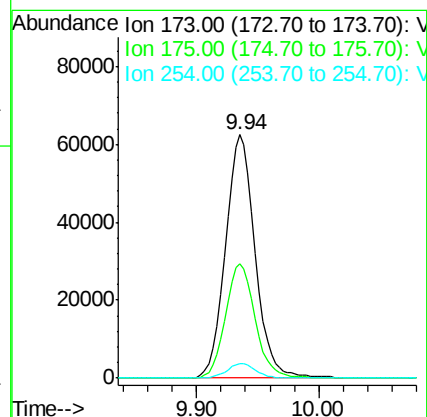
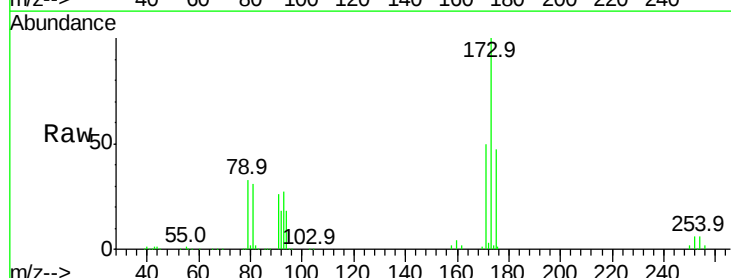
Tgt Ion: 173 Resp: 106378

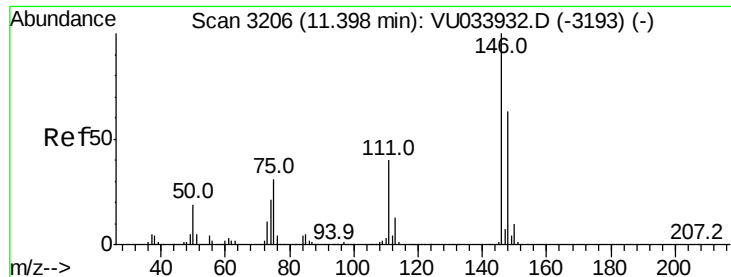
Ion Ratio Lower Upper

173 100

175 47.0 39.4 59.2

254 5.8 8.5 12.7#





#62

1,3-Dichlorobenzene

Concen: 48.163 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

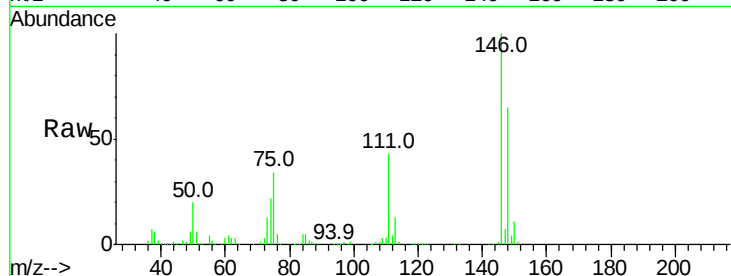
Tgt Ion:146 Resp: 243999

Ion Ratio Lower Upper

146 100

111 43.1 27.8 51.6

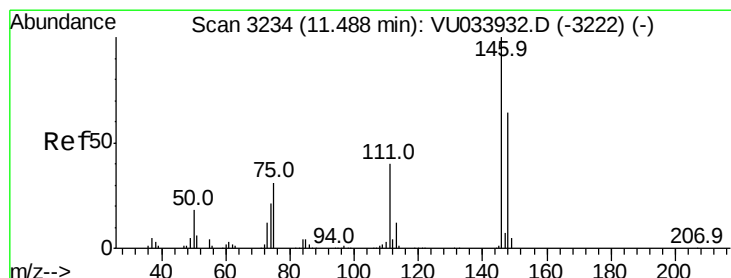
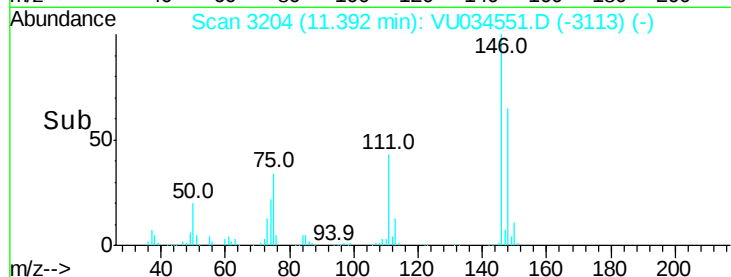
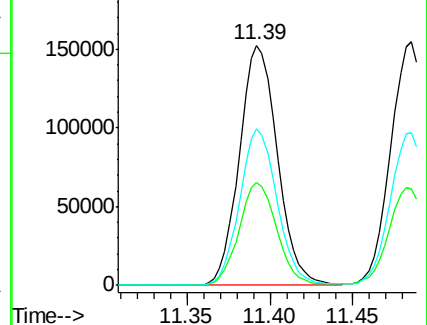
148 65.0 45.1 83.9



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: 46.418 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

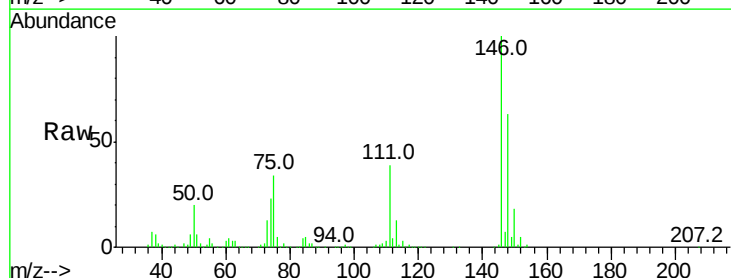
Tgt Ion:146 Resp: 243668

Ion Ratio Lower Upper

146 100

111 39.4 26.7 49.5

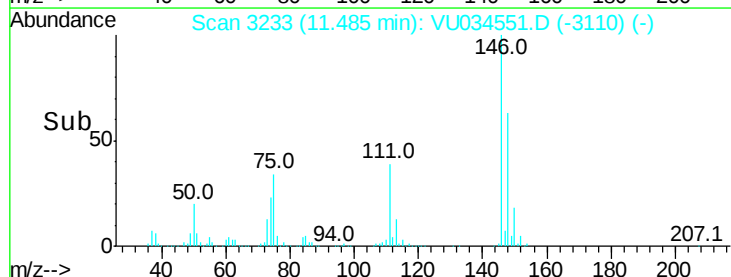
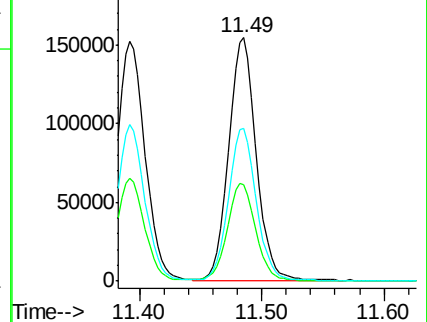
148 62.8 43.5 80.9

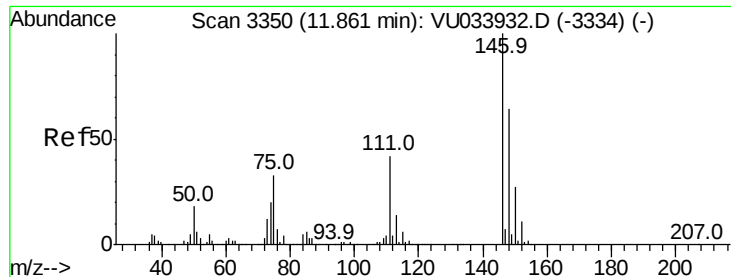


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.223 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

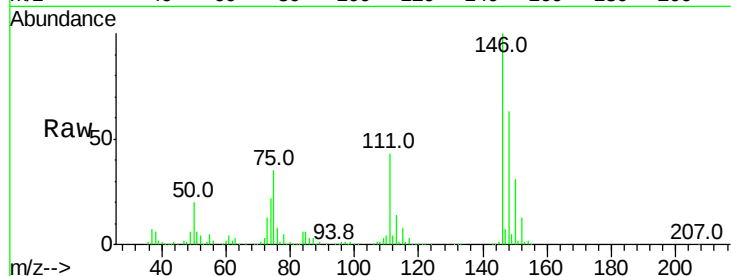
Tgt Ion:146 Resp: 248788

Ion Ratio Lower Upper

146 100

111 43.1 33.1 49.7

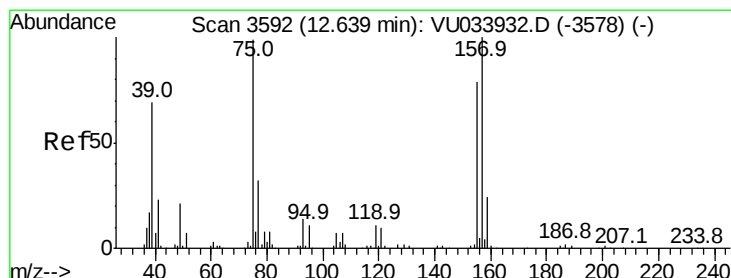
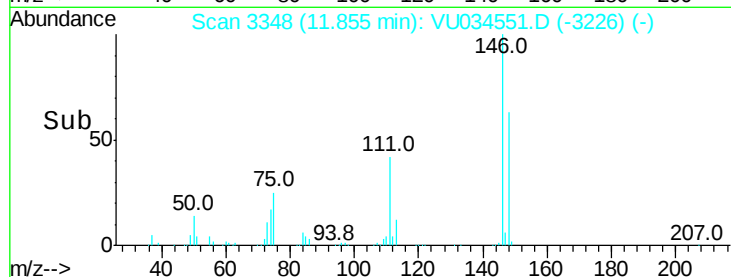
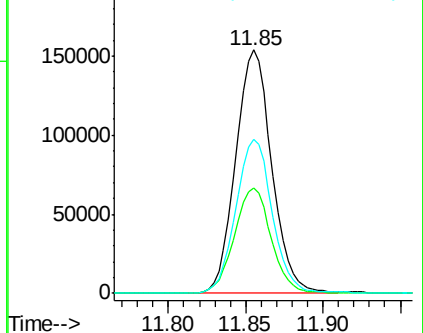
148 63.4 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 62.345 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

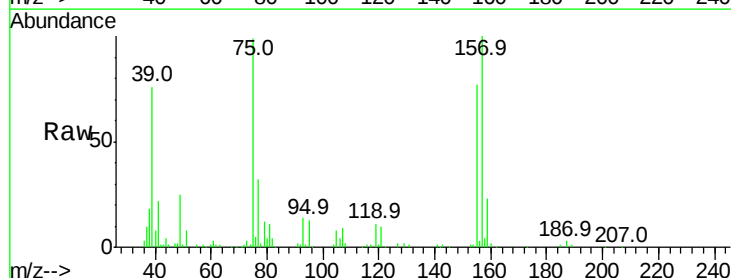
Tgt Ion: 75 Resp: 57791

Ion Ratio Lower Upper

75 100

155 77.2 64.3 96.5

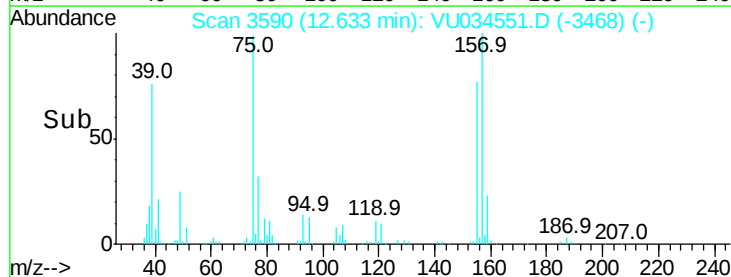
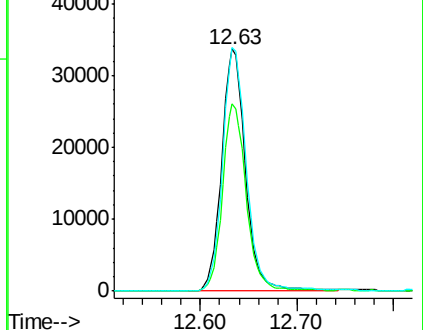
157 100.6 83.4 125.2

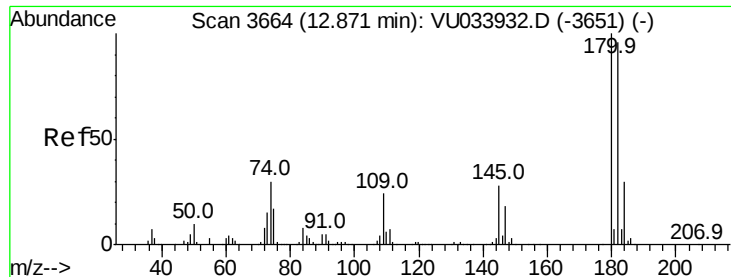


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

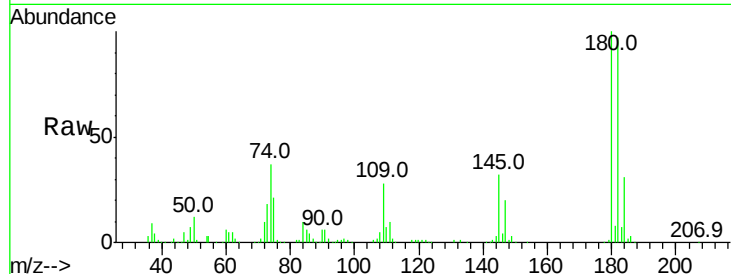




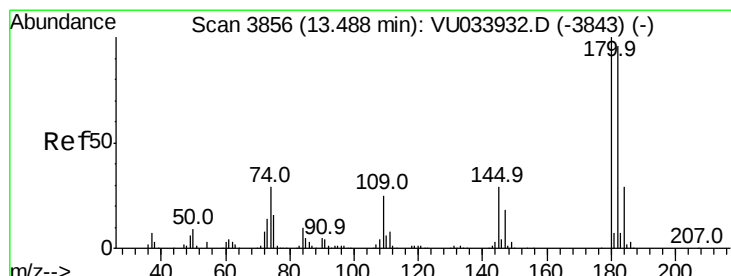
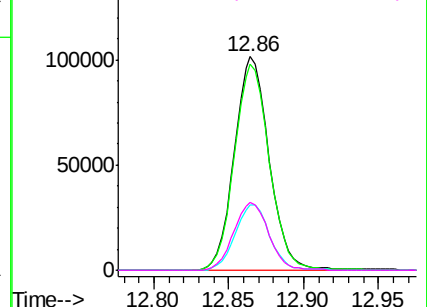
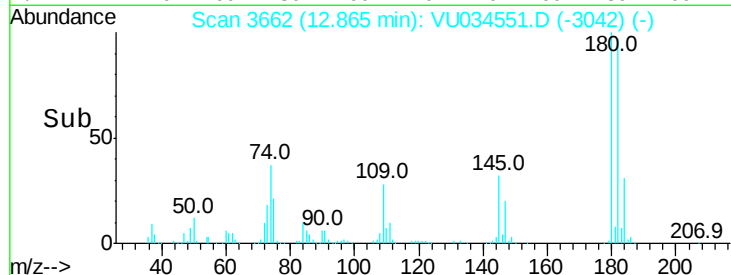
#67
 1,3,5-Trichlorobenzene
 Concen: 42.118 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.01 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	180	Resp:	164013
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.4	114.6
184	30.3	24.1	36.1
145	32.2	22.4	33.6

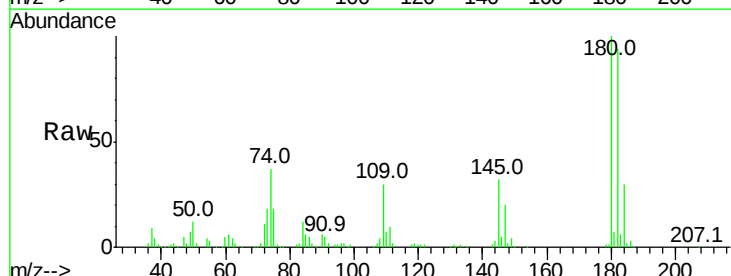


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

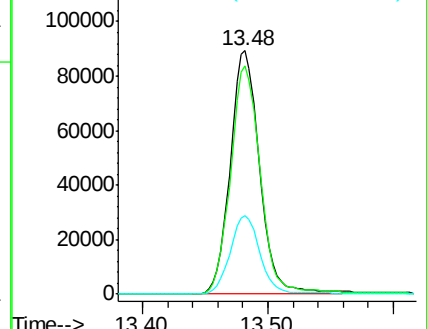
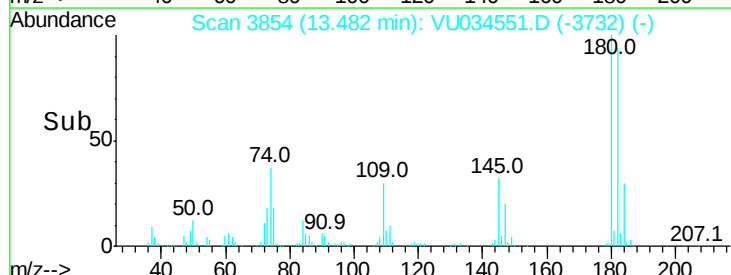


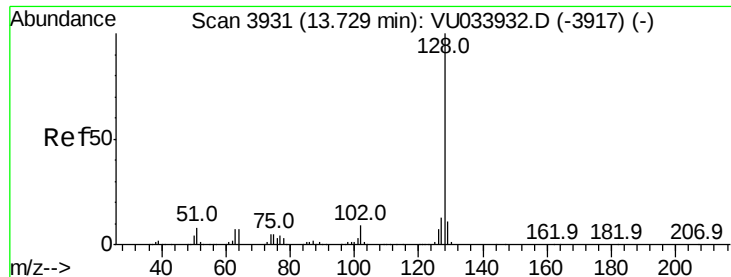
#68
 1,2,4-trichlorobenzene
 Concen: 45.582 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.01 min
 Lab File: VU034551.D
 Acq: 16 Sep 2019 11:49

Tgt Ion:	180	Resp:	145541
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
145	32.4	22.8	34.2



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: 58.156 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

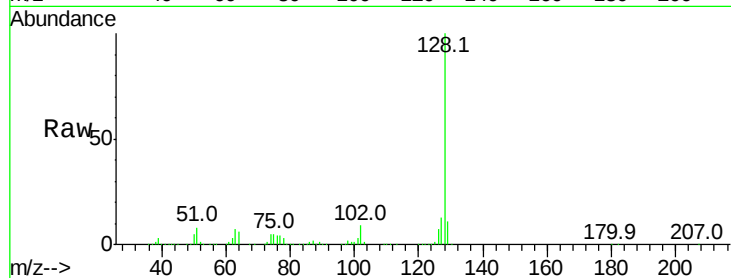
Tgt Ion:128 Resp: 554411

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

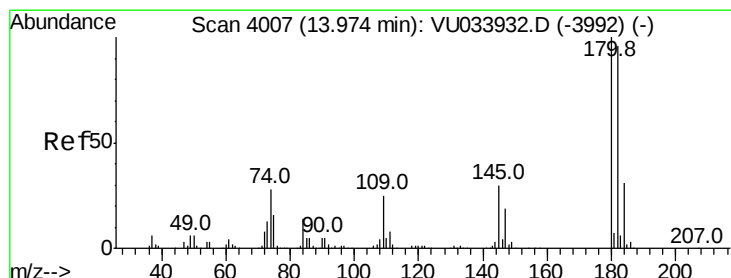
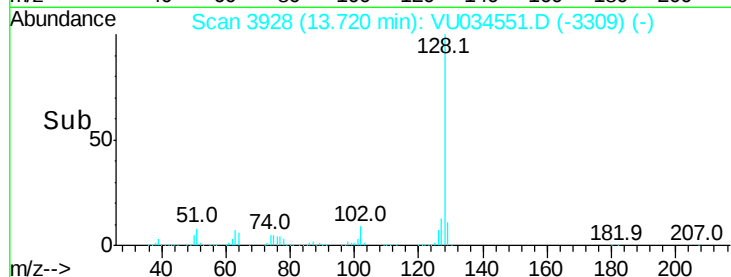
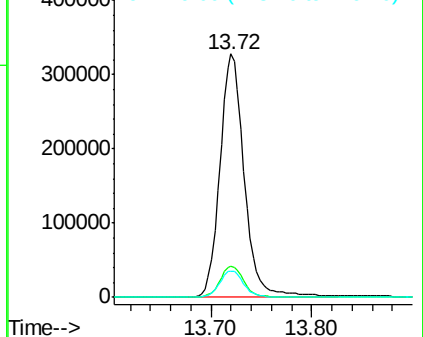
129 10.7 8.3 12.5



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: 42.641 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.01 min

Lab File: VU034551.D

Acq: 16 Sep 2019 11:49

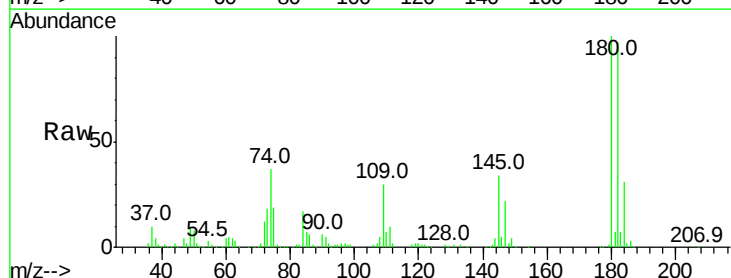
Tgt Ion:180 Resp: 143884

Ion Ratio Lower Upper

180 100

182 96.4 76.7 115.1

145 34.2 23.9 35.9



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

