

Data File : VU035557.D
Acq On : 30 Oct 2019 13:24
Operator : JC/SP
Sample : VSTD00536
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Oct 30 23:51:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 23:48:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	655391	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	632048	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	211503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	29000	5.55	ug/L	0.00
7) Chloroethane-d5	1.93	69	23611	5.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	44254	5.17	ug/L	0.00
21) 2-Butanone-d5	4.70	46	29938	8.95	ug/L	0.00
24) Chloroform-d	5.12	84	44484	5.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	28337	5.32	ug/L	0.00
32) Benzene-d6	5.78	84	88635	5.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	29390	5.36	ug/L	0.00
41) Toluene-d8	7.93	98	79848	5.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	11963	4.67	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	17163	8.45	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.79	84	40994	5.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	24835	5.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	28178	5.102 ug/L	99
3) Chloromethane	1.54	50	30790	5.178 ug/L	95
5) Vinyl chloride	1.62	62	33047	5.164 ug/L	84
6) Bromomethane	1.88	94	15135	5.113 ug/L	89
8) Chloroethane	1.95	64	19808	5.273 ug/L	97
9) Trichlorofluoromethane	2.16	101	38916	5.264 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	22069	5.105 ug/L	98
12) 1,1-Dichloroethene	2.61	96	21356	5.190 ug/L	92
13) Acetone	2.67	43	32538	10.035 ug/L	97
14) Carbon disulfide	2.83	76	70193	5.331 ug/L	99
15) Methyl Acetate	3.00	43	25534	4.703 ug/L	100
16) Methylene chloride	3.09	84	27369	5.387 ug/L	96
17) trans-1,2-Dichloroethene	3.40	96	23043	5.291 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	63211	4.661 ug/L	99
19) 1,1-Dichloroethane	3.92	63	44461	5.018 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	23863	4.862 ug/L	96
22) 2-Butanone	4.78	43	35817	8.752 ug/L	99
23) Bromochloromethane	5.03	128	13301	5.278 ug/L	95
25) Chloroform	5.14	83	46178	5.248 ug/L	98
27) 1,2-Dichloroethane	5.84	62	32661	4.877 ug/L	99
29) Cyclohexane	5.44	56	31467	4.500 ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	36912	5.348 ug/L	99
31) Carbon tetrachloride	5.57	117	31915	5.238 ug/L	98
33) Benzene	5.82	78	97187	5.202 ug/L	100
34) Trichloroethene	6.58	95	25097	5.427 ug/L	92
35) Methylcyclohexane	6.80	83	32511	4.993 ug/L	98
37) 1,2-Dichloropropane	6.84	63	25047	4.890 ug/L	# 96
38) Bromodichloromethane	7.15	83	33620	5.300 ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	33191	4.397 ug/L	100
40) 4-Methyl-2-pentanone	7.85	43	66018	9.558 ug/L	93

Data File : VU035557.D
Acq On : 30 Oct 2019 13:24
Operator : JC/SP
Sample : VSTD00536
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Oct 30 23:51:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 23:48:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	91806	4.735	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	31188	4.535	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	25150	5.355	ug/L	97
46) Tetrachloroethene	8.59	164	20337	5.550	ug/L	97
48) 2-Hexanone	8.75	43	56173	10.121	ug/L #	80
49) Dibromochloromethane	8.84	129	27421	5.385	ug/L	93
50) 1,2-Dibromoethane	8.96	107	24910	5.031	ug/L	97
51) Chlorobenzene	9.48	112	66354	5.261	ug/L	98
52) Ethylbenzene	9.60	91	97223	4.721	ug/L	97
53) m,p-Xylene	9.73	106	34151	4.469	ug/L	95
54) o-xylene	10.13	106	33075	4.415	ug/L	91
55) Styrene	10.15	104	51769	4.226	ug/L	98
56) Isopropylbenzene	10.51	105	81455	4.311	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	42202	5.103	ug/L	94
59) 1,2,3-Trichloropropane	10.86	75	34248	5.236	ug/L	98
61) Bromoform	10.32	173	21247	6.665	ug/L	98
62) 1,3-Dichlorobenzene	11.78	146	38486	5.749	ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	41053	6.024	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	41148	6.032	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.03	75	6166	5.533	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	20039	5.692	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	12989	5.839	ug/L	99
69) Naphthalene	14.11	128	30377	5.034	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	14972	6.487	ug/L	99

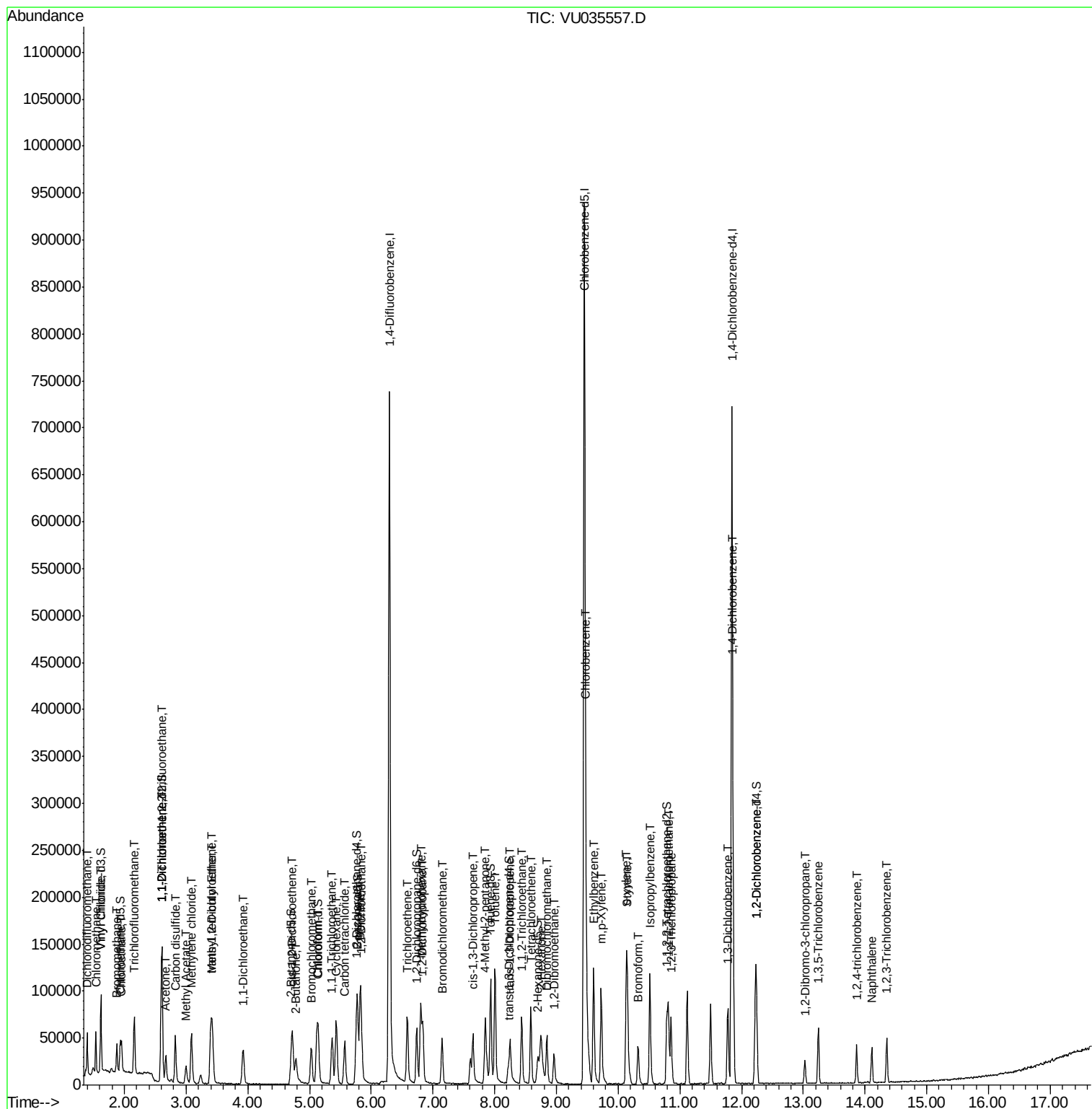
(#) = qualifier out of range (m) = manual integration (+) = signals summed

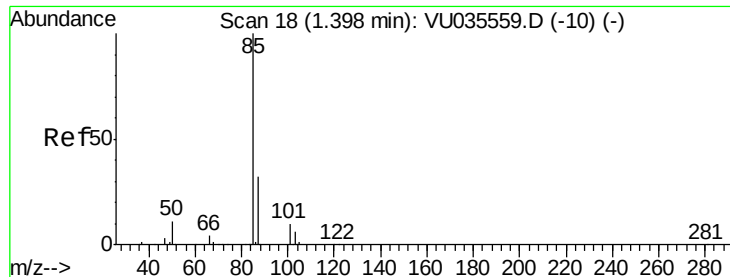
Data File : VU035557.D

```
Acq On       : 30 Oct 2019   13:24
Operator    : JC/SP
Sample      : VSTD00536
Misc       : 5.0mL/MSV0A_U/WATER
ALS Vial    : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Oct 30 23:51:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 23:48:26 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.102 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

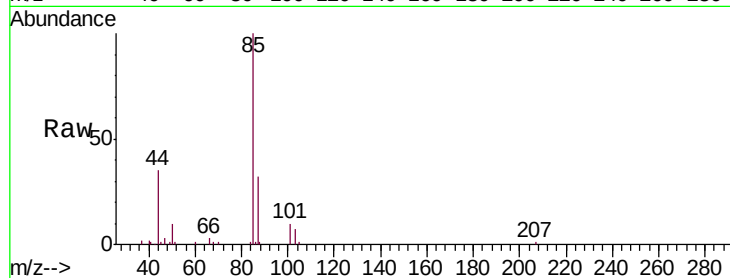
VSTD00536

Tgt Ion: 85 Resp: 28178

Ion Ratio Lower Upper

85 100

87 31.5 25.7 38.5

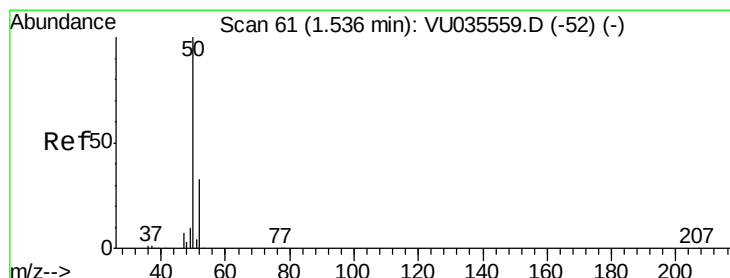
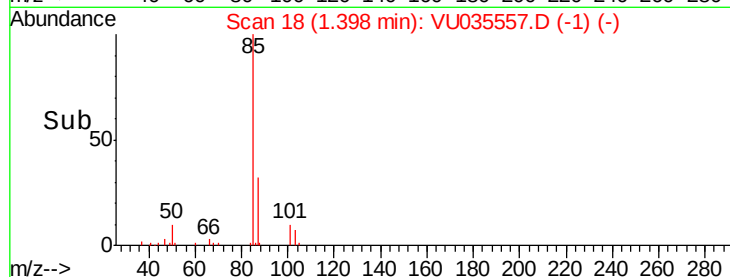


Abundance Ion 85.00 (84.70 to 85.70): VU035557.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035557.D (-10) (-)

1.40

Time-->



#3

Chloromethane

Concen: 5.178 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035557.D

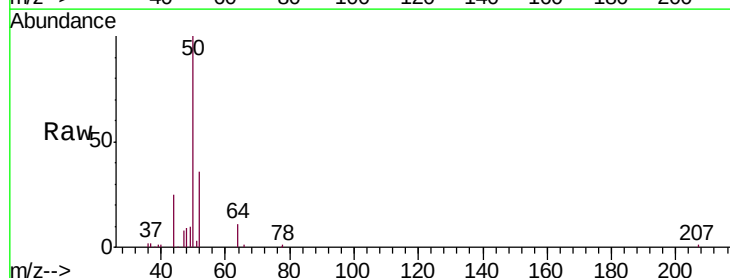
Acq: 30 Oct 2019 13:24

Tgt Ion: 50 Resp: 30790

Ion Ratio Lower Upper

50 100

52 35.8 23.0 42.6

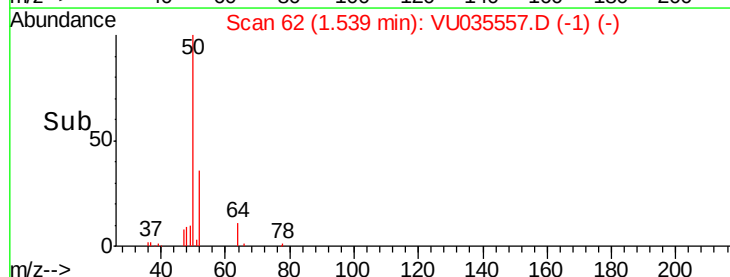


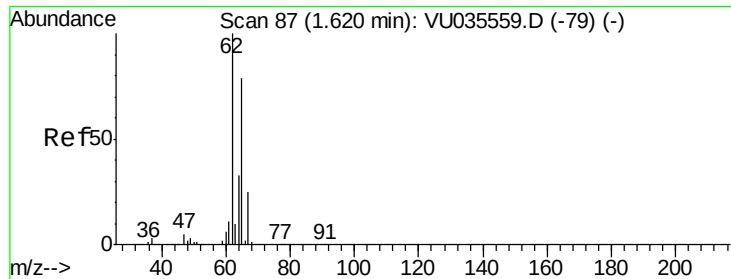
Abundance Ion 50.00 (49.70 to 50.70): VU035557.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU035557.D (-52) (-)

1.54

Time-->





#5

Vinyl chloride

Concen: 5.164 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

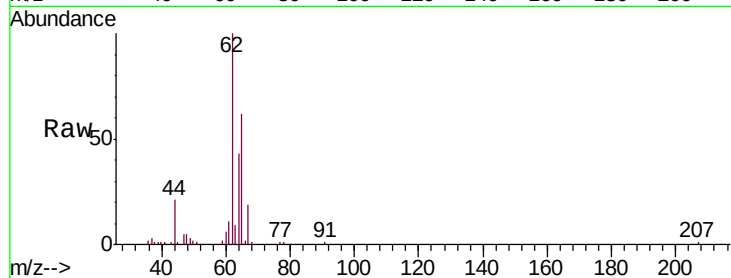
VSTD00536

Tgt Ion: 62 Resp: 33047

Ion Ratio Lower Upper

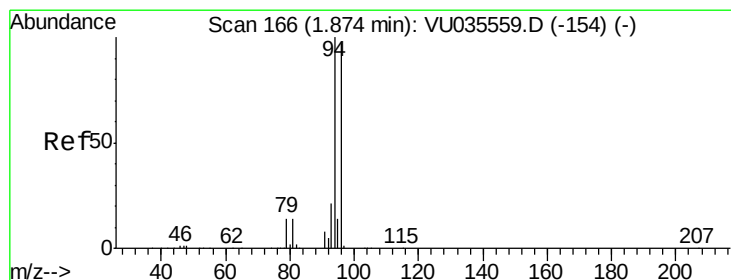
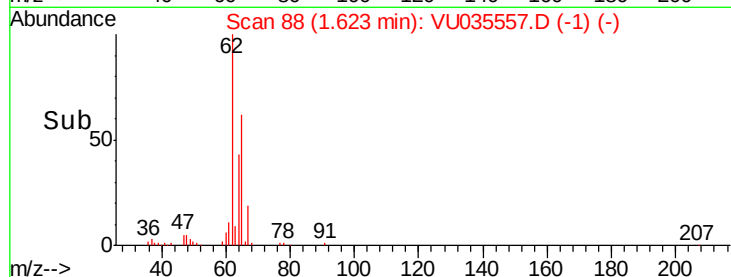
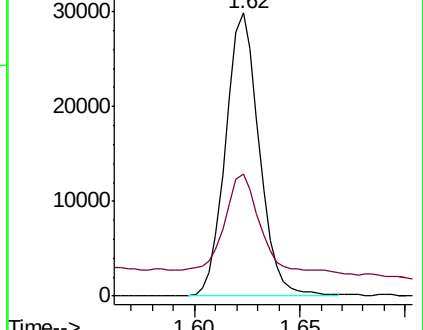
62 100

64 43.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035557.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035557.D (-1) (-)



#6

Bromomethane

Concen: 5.113 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035557.D

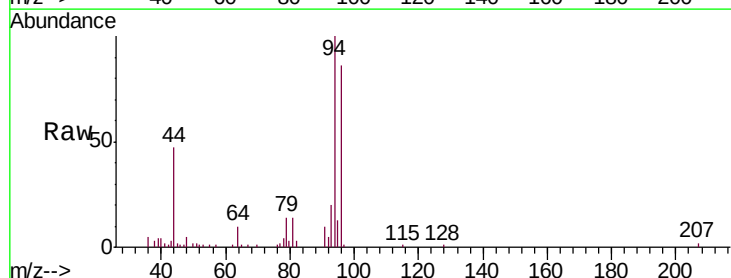
Acq: 30 Oct 2019 13:24

Tgt Ion: 94 Resp: 15135

Ion Ratio Lower Upper

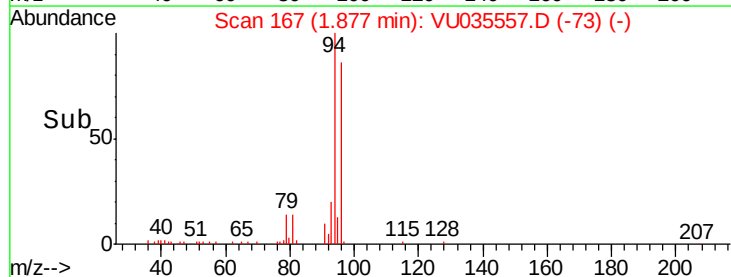
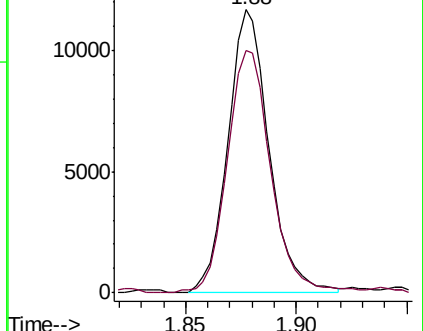
94 100

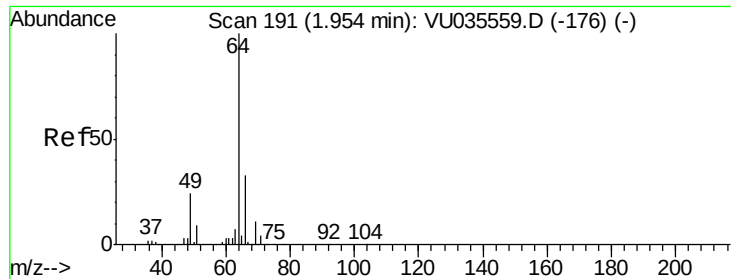
96 85.8 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035557.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035557.D (-73) (-)

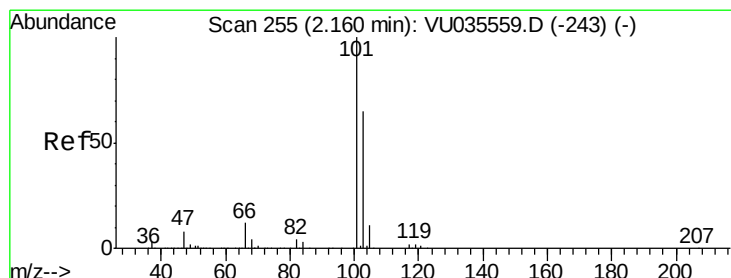
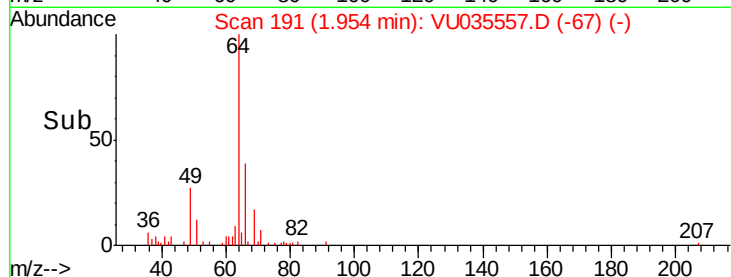
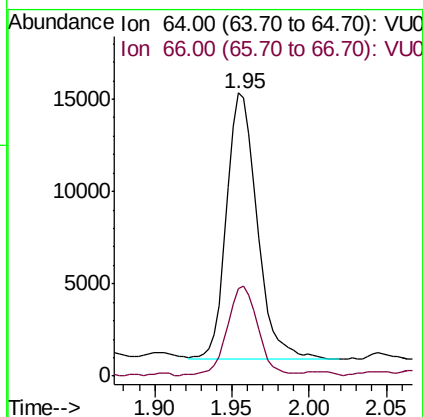
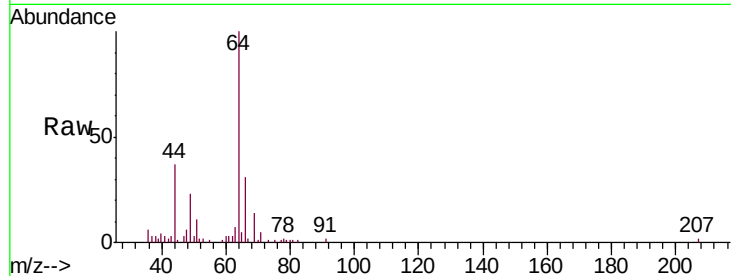




#8
Chloroethane
Concen: 5.273 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

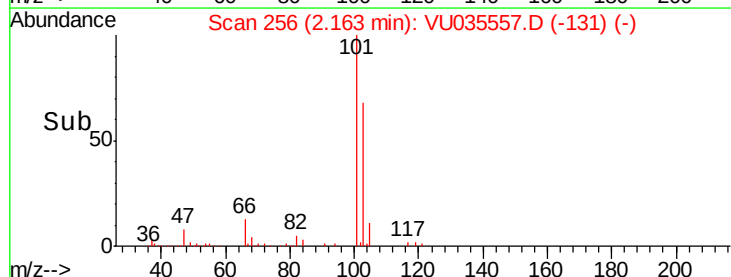
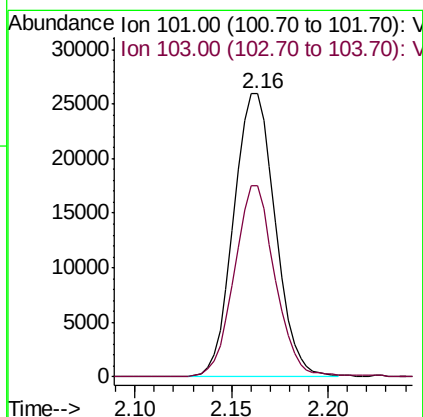
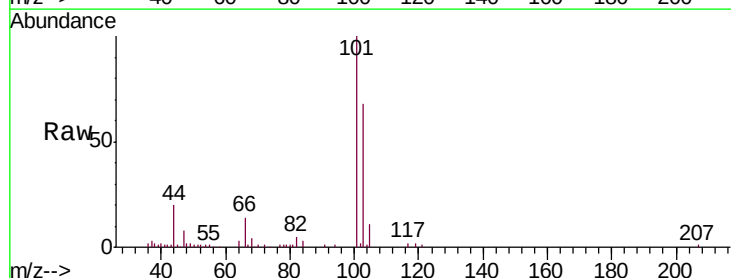
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

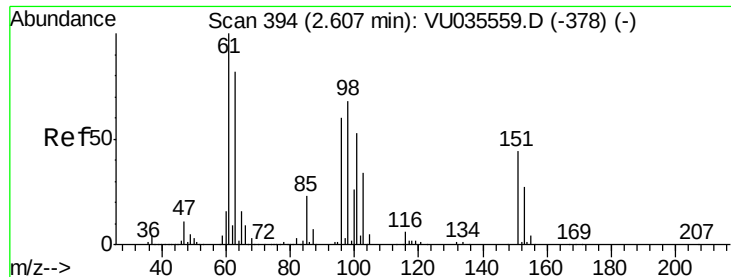
Tgt Ion: 64 Resp: 19808
Ion Ratio Lower Upper
64 100
66 31.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.264 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion: 101 Resp: 38916
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.6





#10

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

Concen: 5.105 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

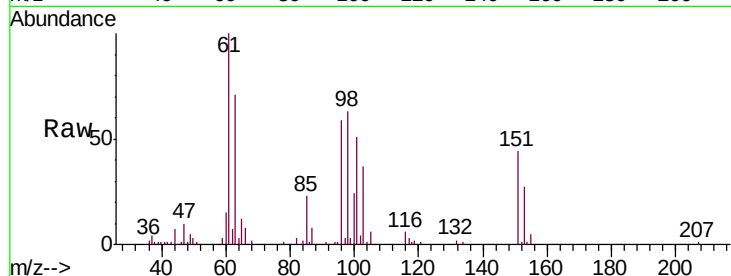
Tgt Ion: 101 Resp: 22069

Ion Ratio Lower Upper

101 100

85 41.7 34.0 51.0

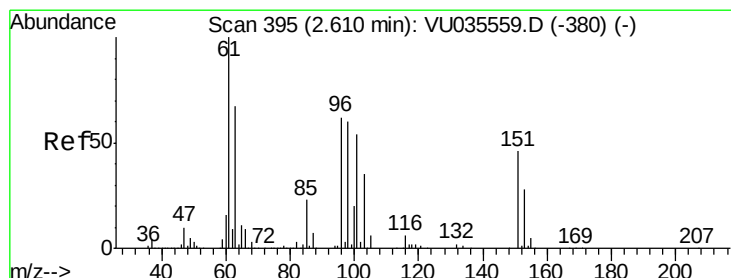
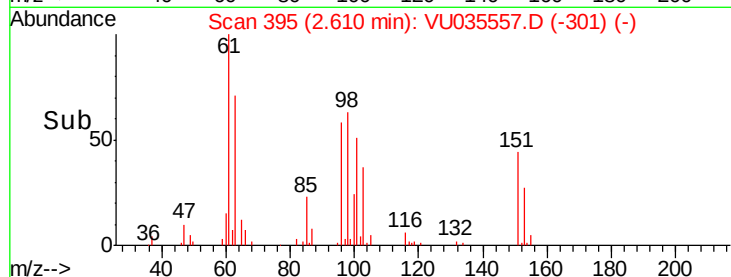
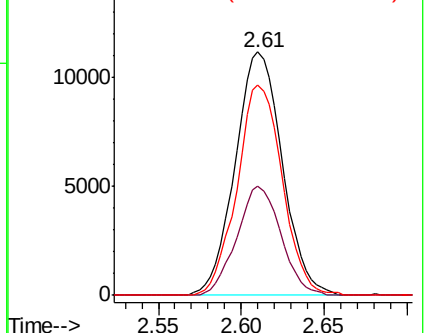
151 82.5 64.2 96.4



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: 5.190 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

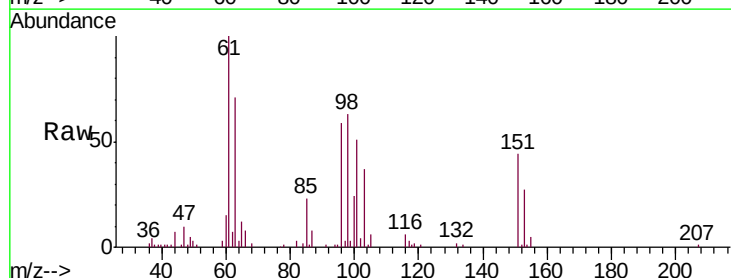
Tgt Ion: 96 Resp: 21356

Ion Ratio Lower Upper

96 100

61 169.4 113.1 210.1

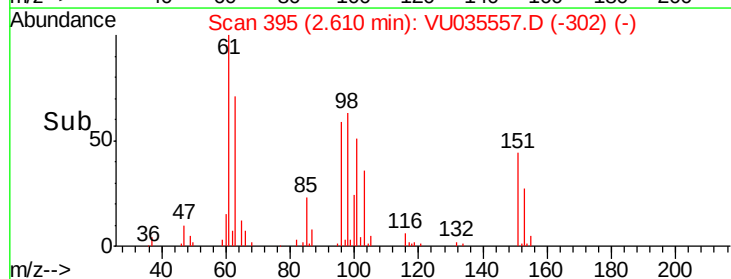
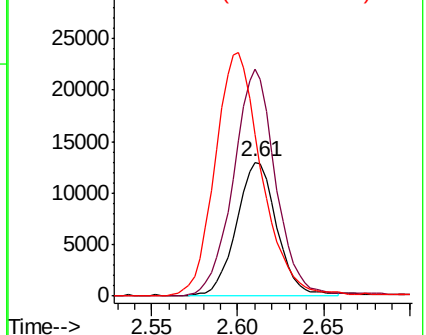
63 120.7 76.2 141.4

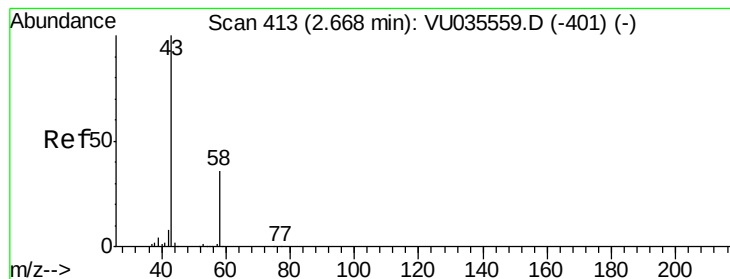


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.035 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

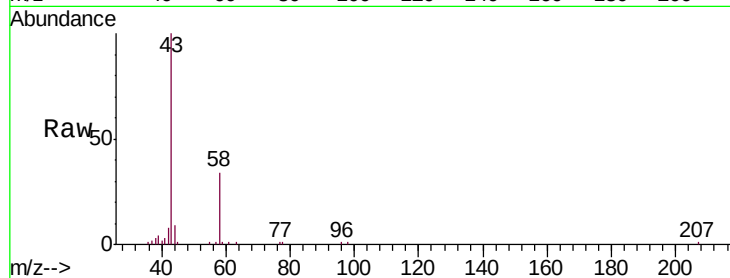
VSTD00536

Tgt Ion: 43 Resp: 32538

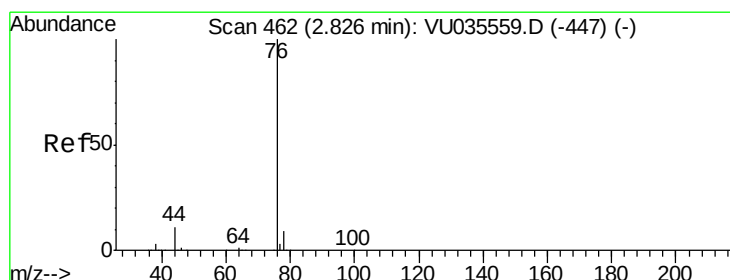
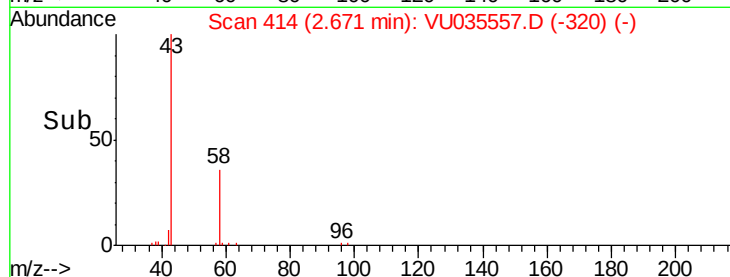
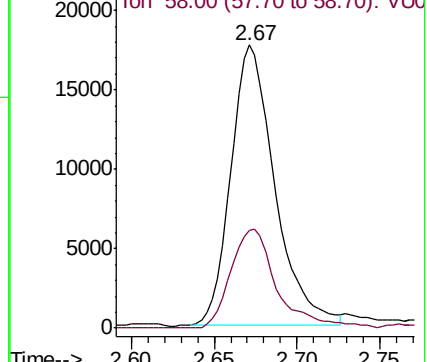
Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035557.D (-320) (-)



#14

Carbon disulfide

Concen: 5.331 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035557.D

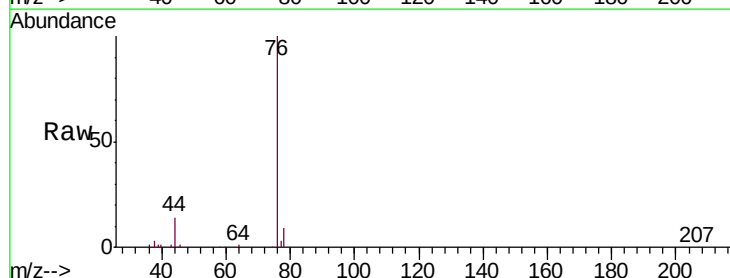
Acq: 30 Oct 2019 13:24

Tgt Ion: 76 Resp: 70193

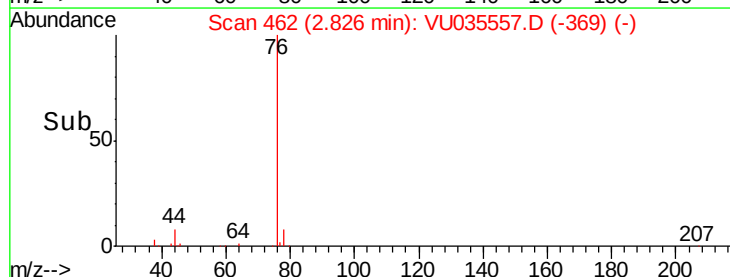
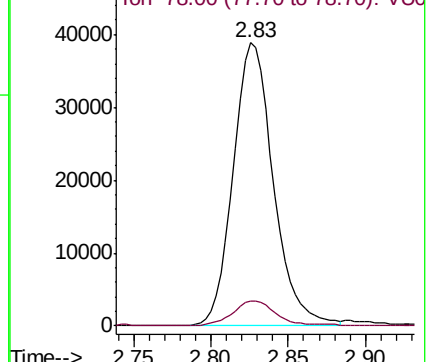
Ion Ratio Lower Upper

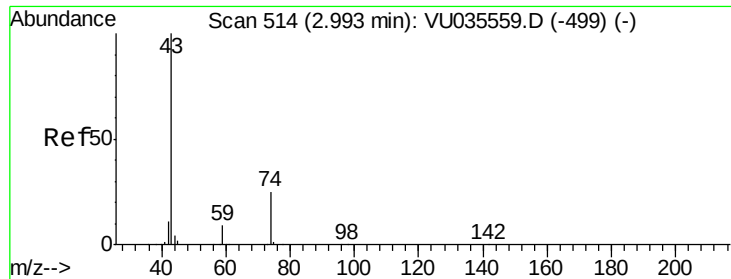
76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035557.D (-369) (-)

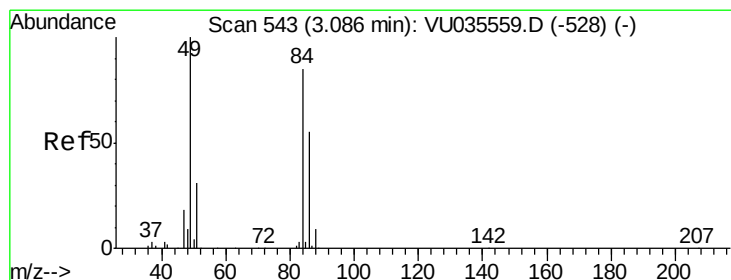
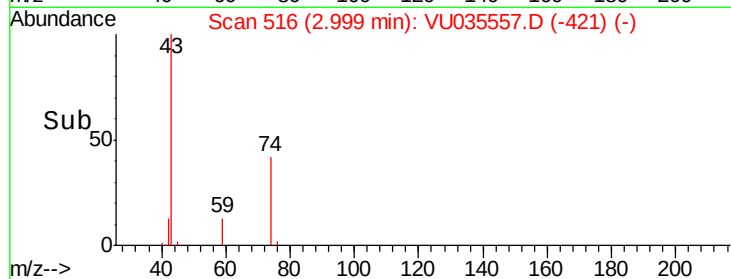
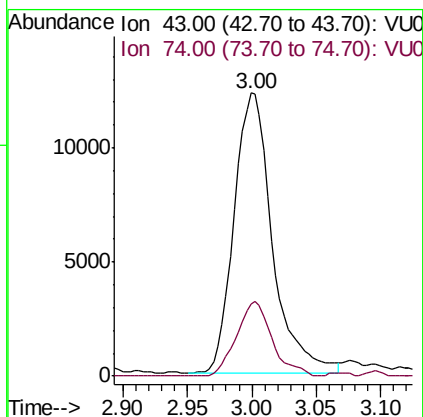
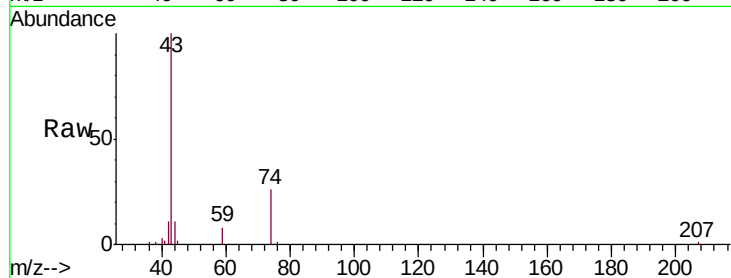




#15
Methyl Acetate
Concen: 4.703 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

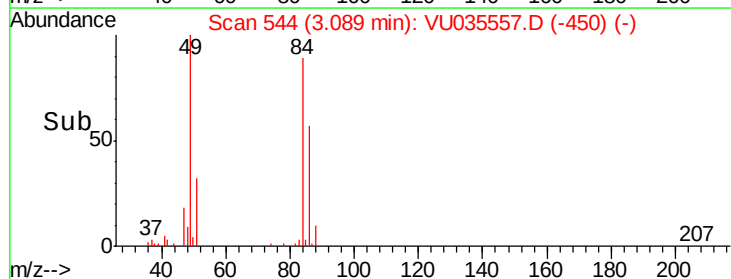
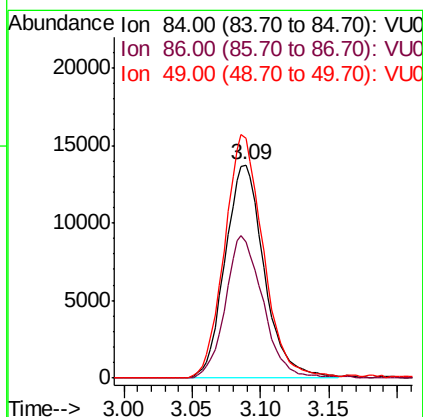
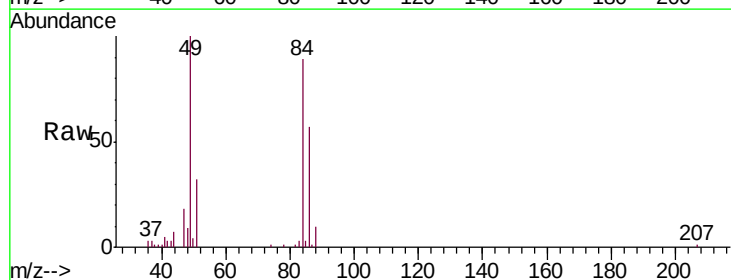
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

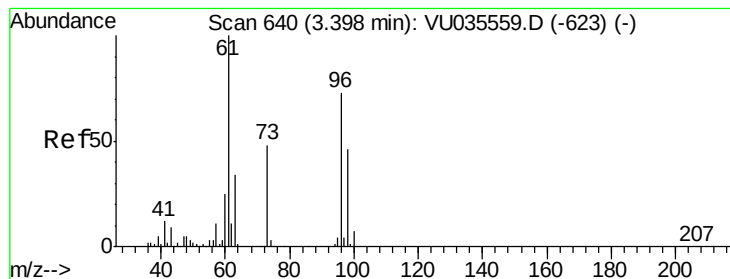
Tgt Ion: 43 Resp: 25534
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.6



#16
Methylene chloride
Concen: 5.387 ug/L
RT: 3.09 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion: 84 Resp: 27369
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 112.3 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 5.291 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

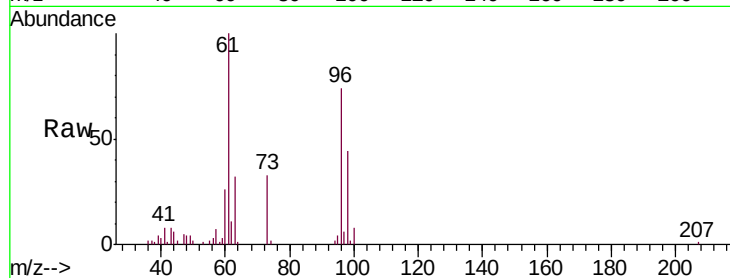
Tgt Ion: 96 Resp: 23043

Ion Ratio Lower Upper

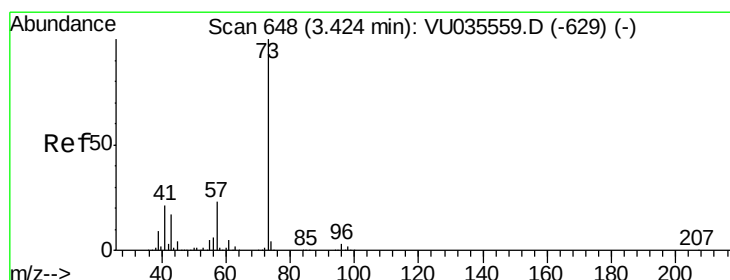
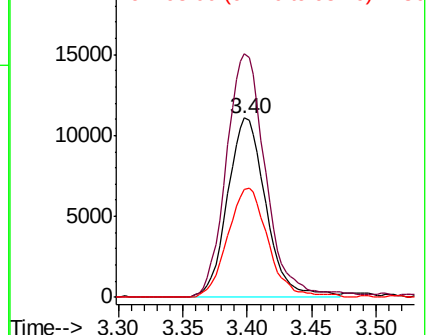
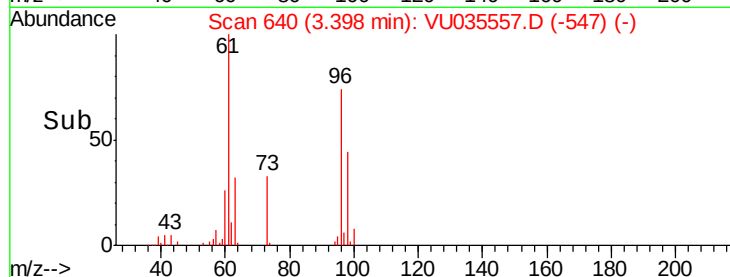
96 100

61 135.9 95.3 176.9

98 60.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035557.D (-547) (-)



#18

Methyl tert-butyl Ether

Concen: 4.661 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

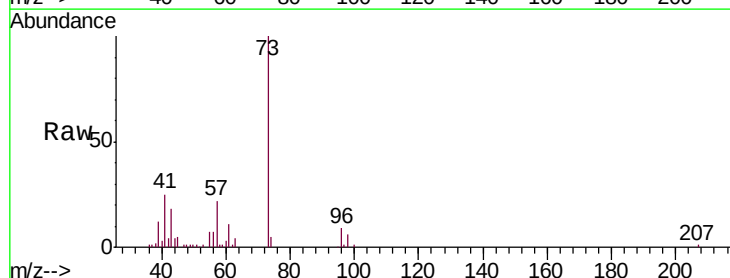
Tgt Ion: 73 Resp: 63211

Ion Ratio Lower Upper

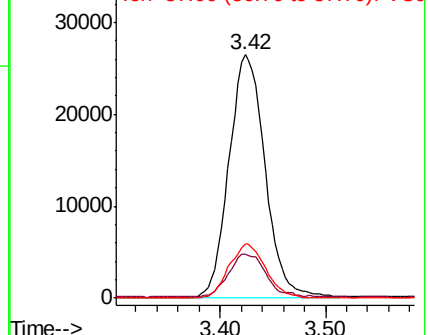
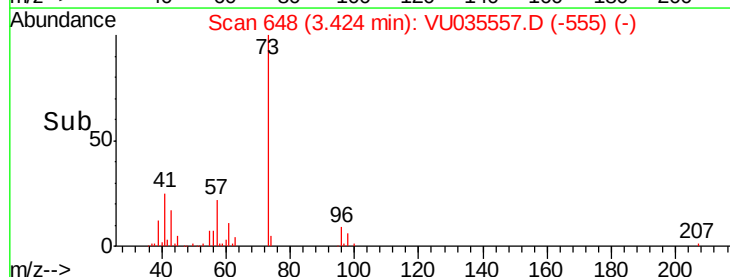
73 100

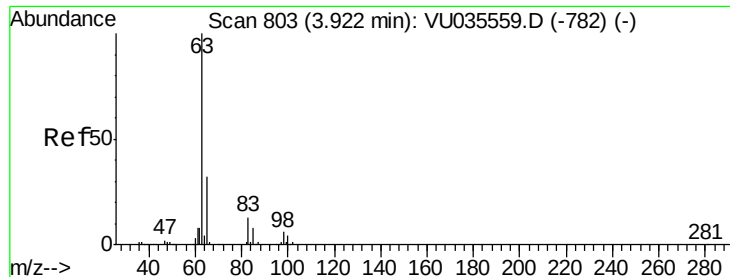
43 17.6 14.2 21.2

57 22.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU035557.D (-555) (-)

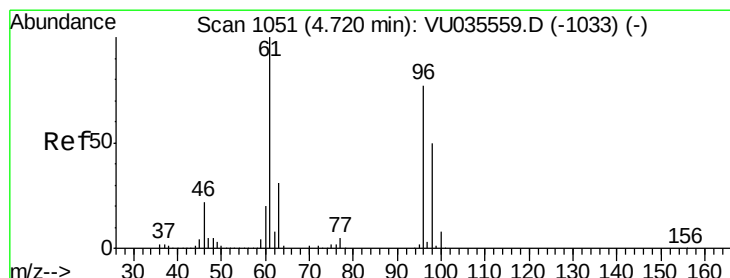
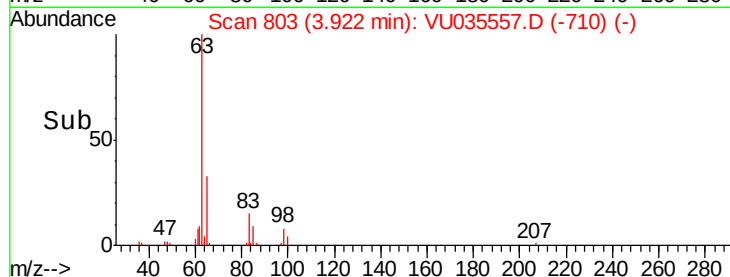
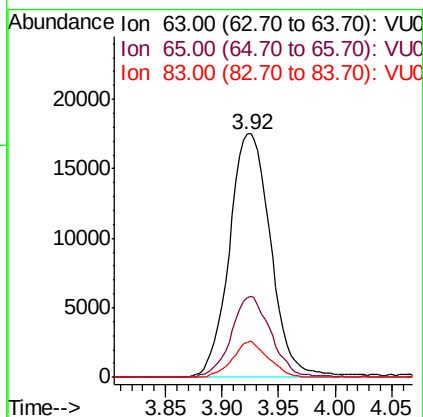
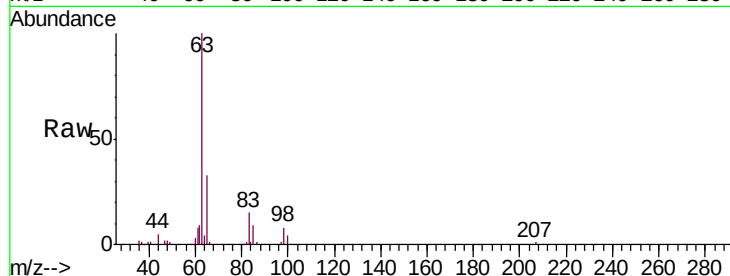




#19
 1,1-Dichloroethane
 Concen: 5.018 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

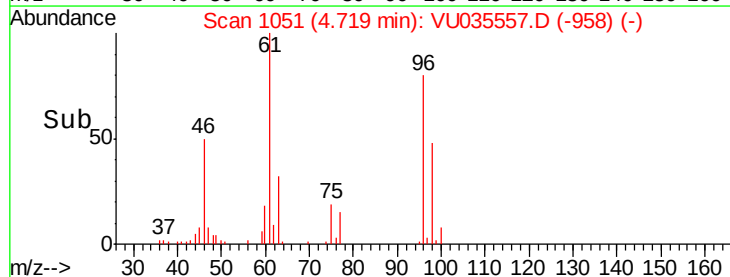
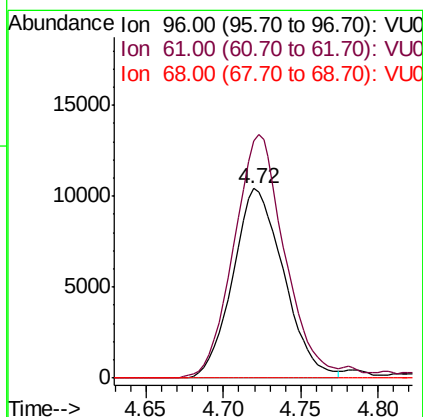
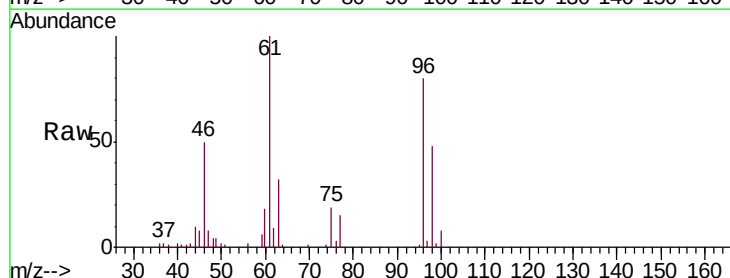
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

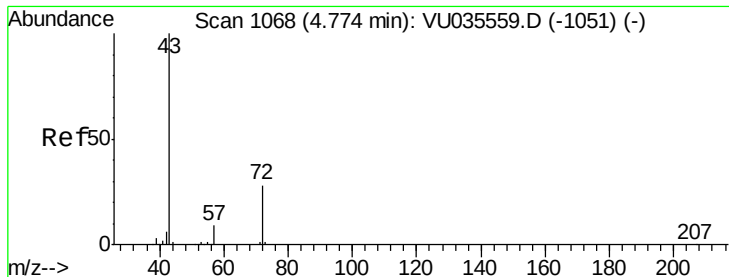
Tgt Ion:	63	Resp:	44461
Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.1	41.1
83	14.6	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 4.862 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion:	96	Resp:	23863
Ion	Ratio	Lower	Upper
96	100		
61	124.8	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 8.752 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

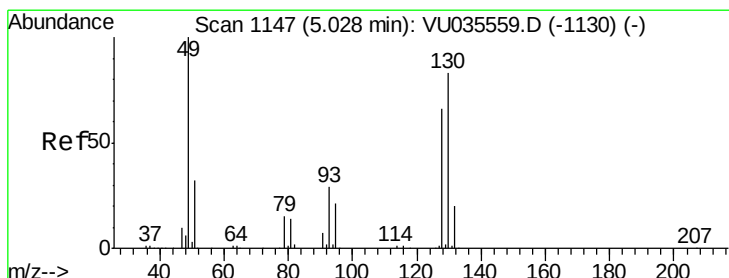
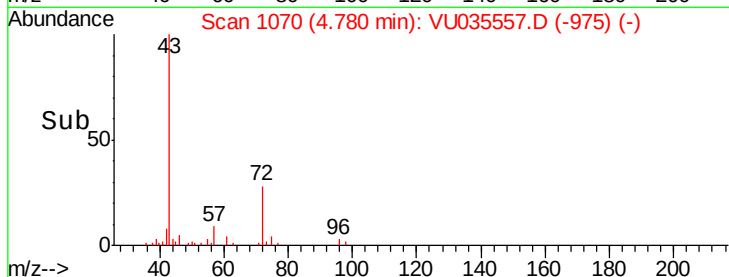
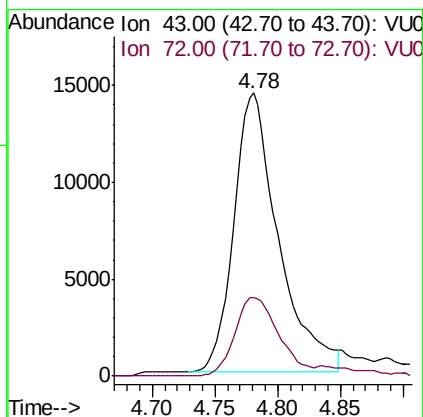
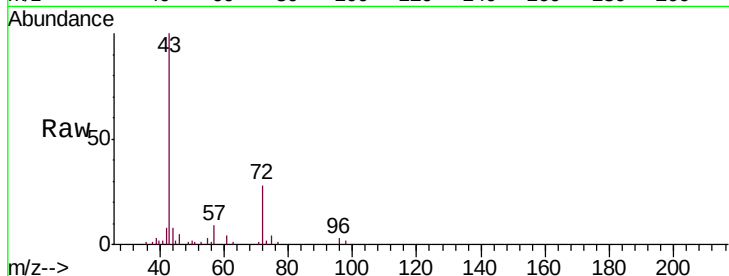
VSTD00536

Tgt Ion: 43 Resp: 35817

Ion Ratio Lower Upper

43 100

72 27.7 13.5 40.4



#23

Bromochloromethane

Concen: 5.278 ug/L

RT: 5.03 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Tgt Ion: 128 Resp: 13301

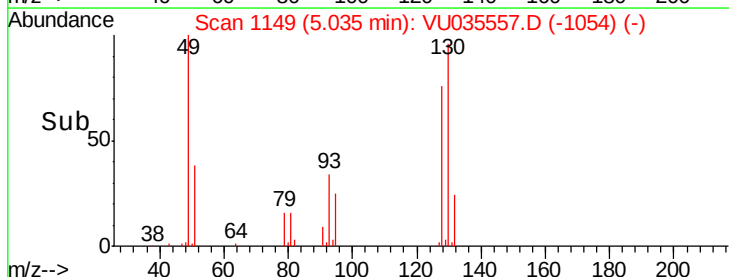
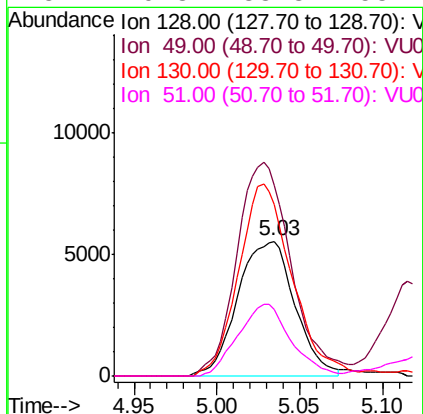
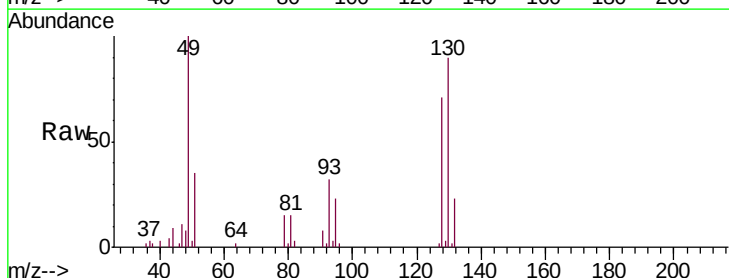
Ion Ratio Lower Upper

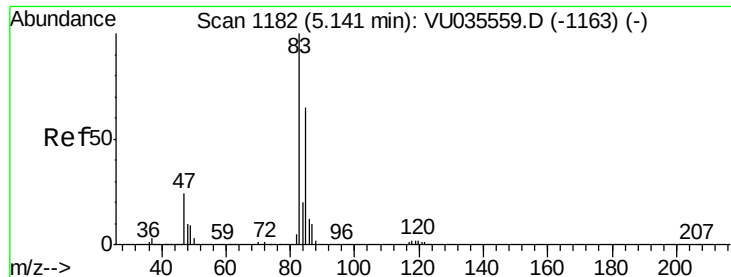
128 100

49 141.4 106.4 197.6

130 126.9 88.1 163.5

51 49.8 38.8 58.2

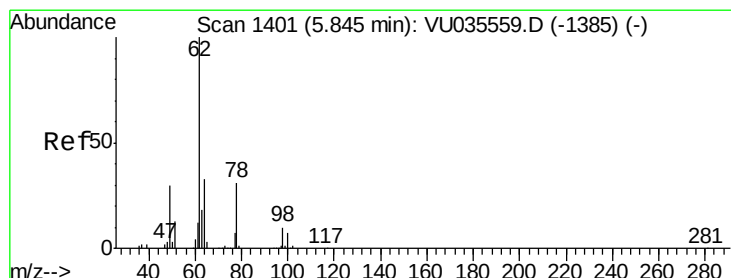
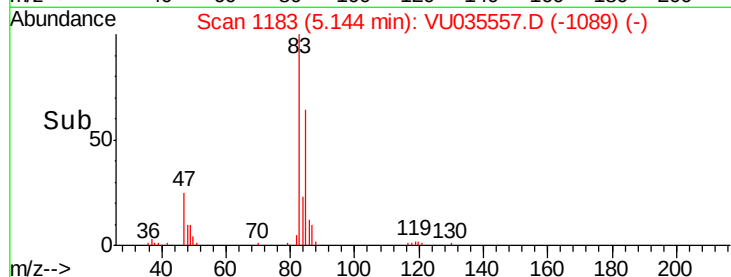
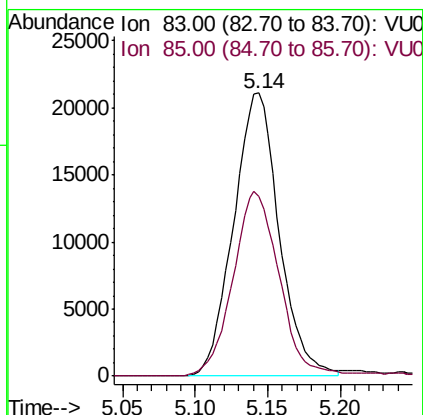
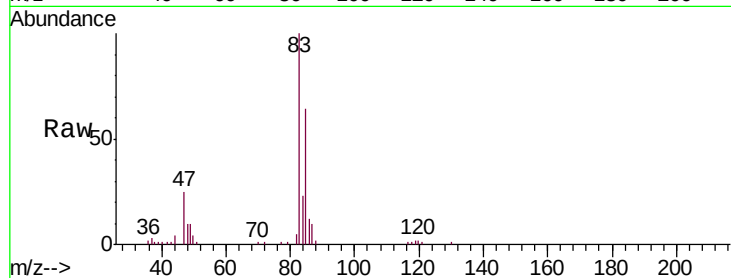




#25
Chloroform
Concen: 5.248 ug/L
RT: 5.14 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

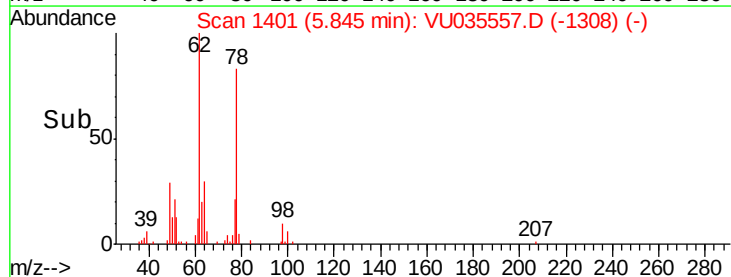
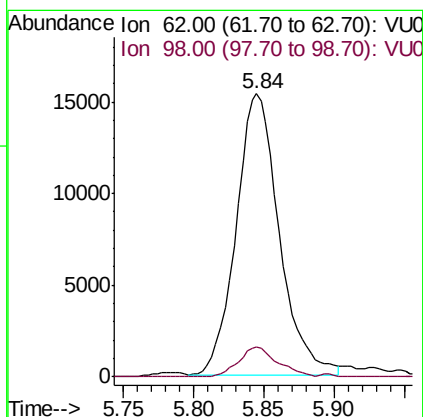
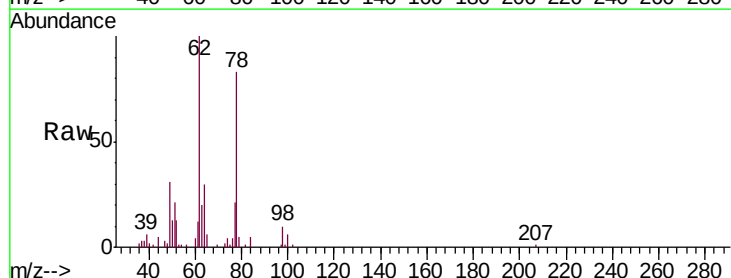
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

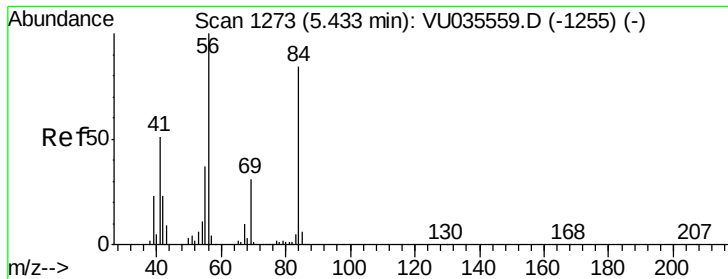
Tgt Ion: 83 Resp: 46178
Ion Ratio Lower Upper
83 100
85 63.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.877 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion: 62 Resp: 32661
Ion Ratio Lower Upper
62 100
98 10.5 8.2 12.2

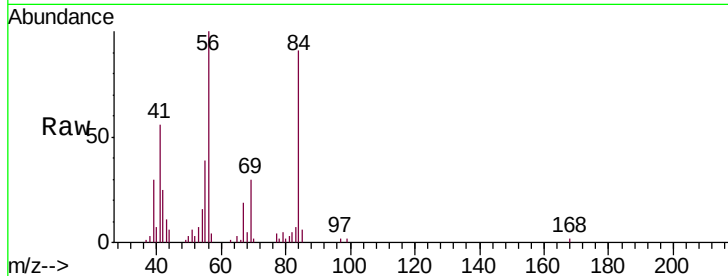




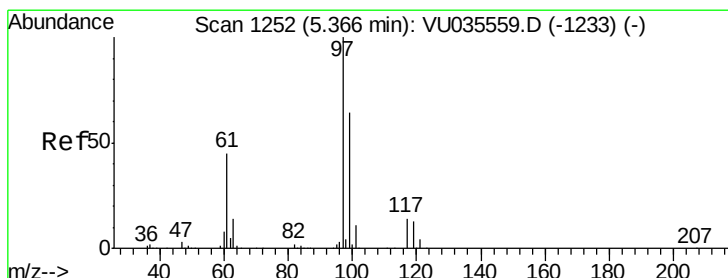
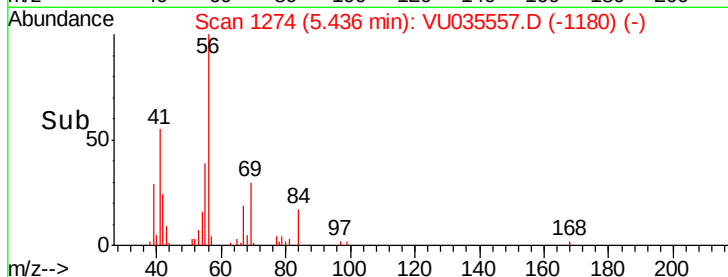
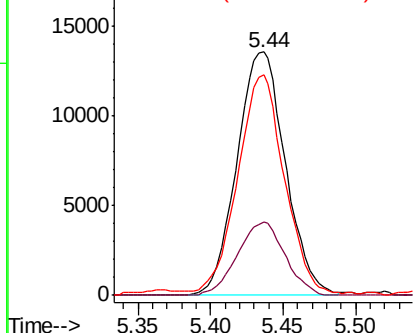
#29
Cyclohexane
Concen: 4.500 ug/L
RT: 5.44 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion: 56 Resp: 31467
Ion Ratio Lower Upper
56 100
69 29.6 24.4 36.6
84 86.7 68.6 102.8

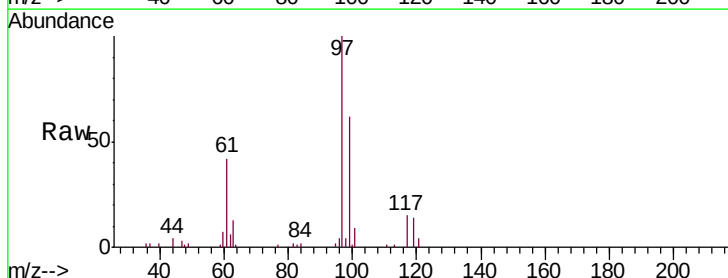


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

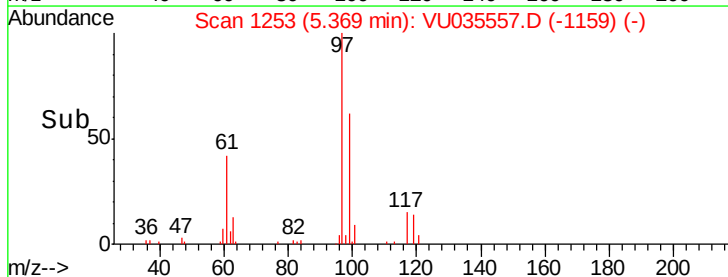
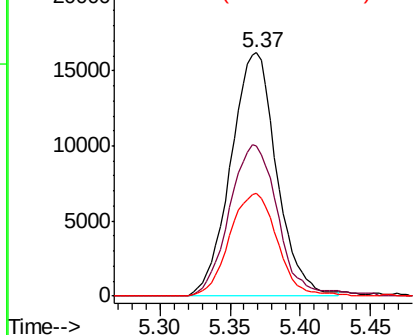


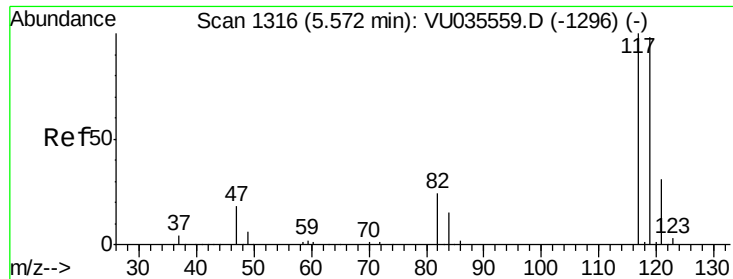
#30
1,1,1-Trichloroethane
Concen: 5.348 ug/L
RT: 5.37 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion: 97 Resp: 36912
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 43.3 35.1 52.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 5.238 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

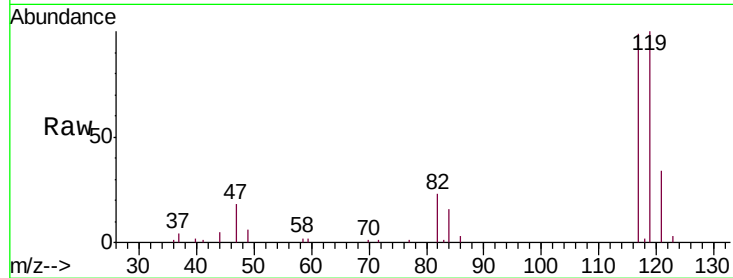
VSTD00536

Tgt Ion:117 Resp: 31915

Ion Ratio Lower Upper

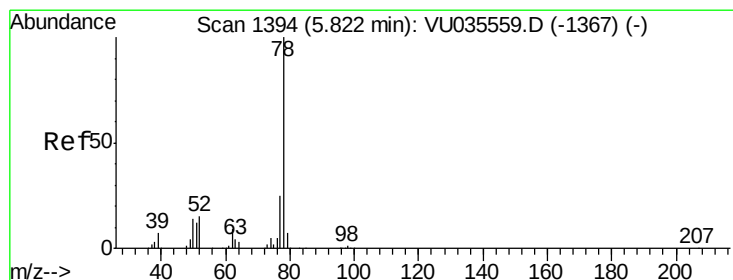
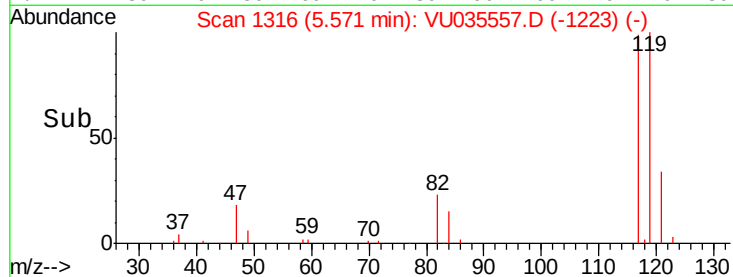
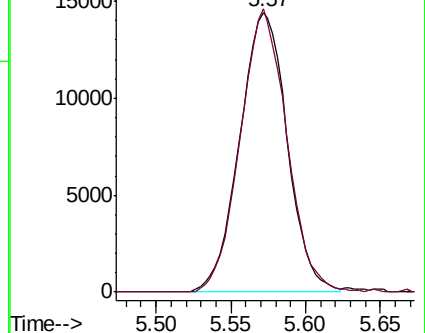
117 100

119 99.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.202 ug/L

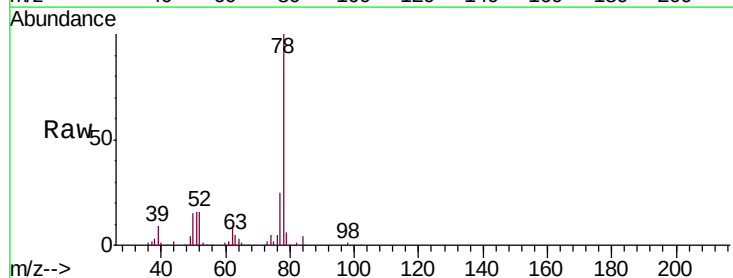
RT: 5.82 min Scan# 1394

Delta R.T. -0.00 min

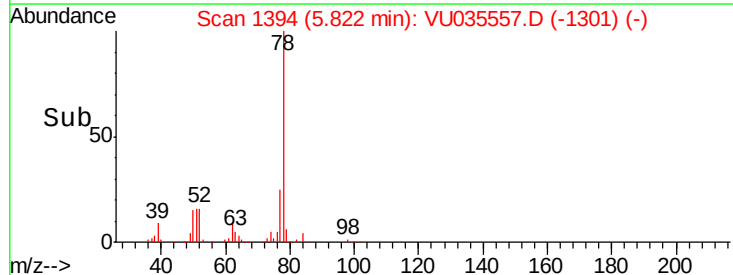
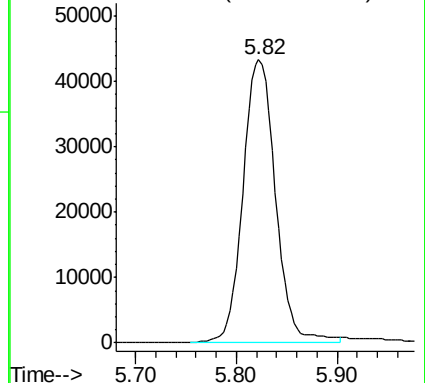
Lab File: VU035557.D

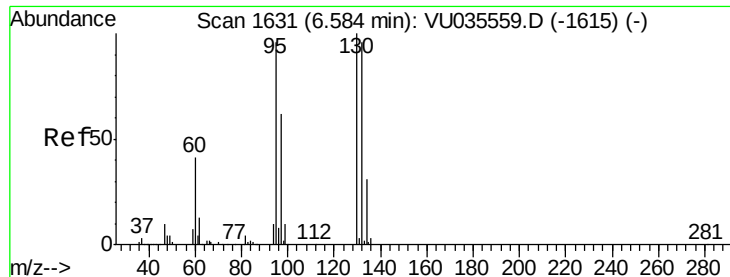
Acq: 30 Oct 2019 13:24

Tgt Ion: 78 Resp: 97187



Abundance Ion 78.00 (77.70 to 78.70): VU0

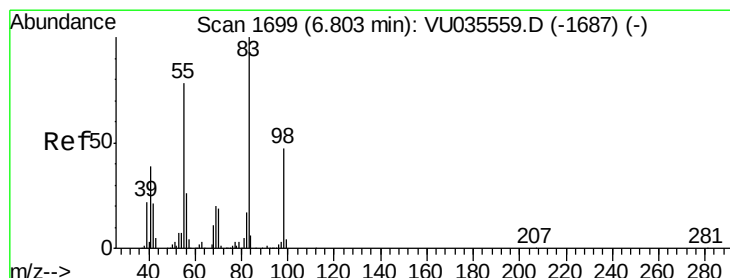
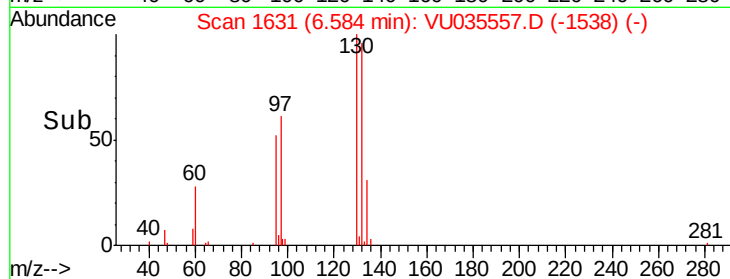
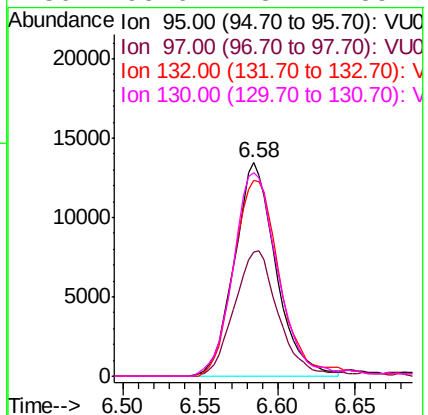
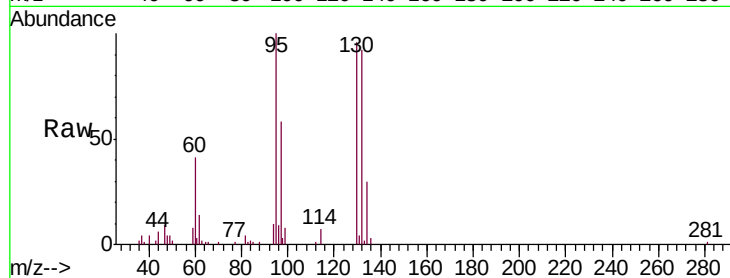




#34
 Trichloroethene
 Concen: 5.427 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

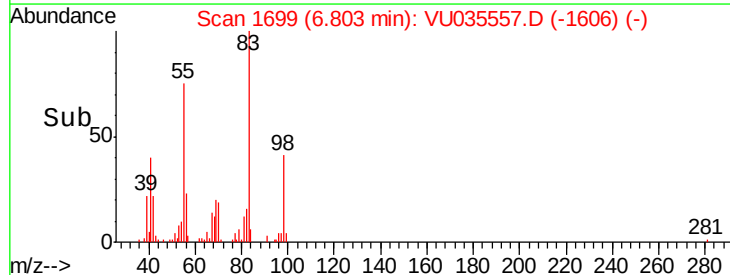
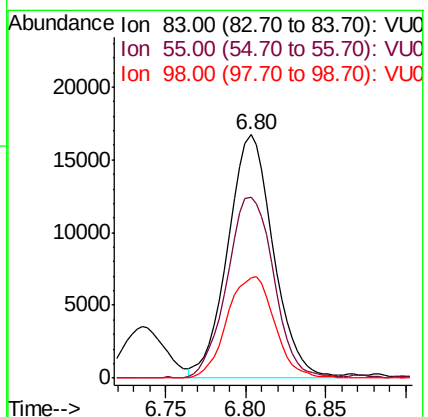
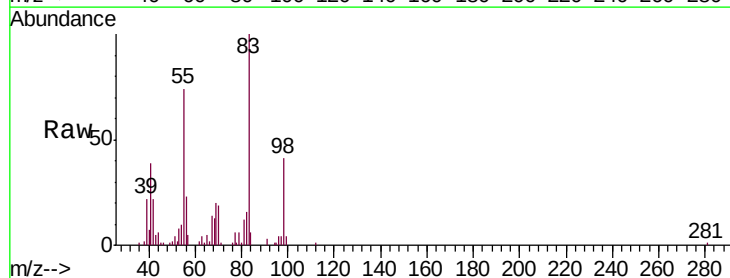
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

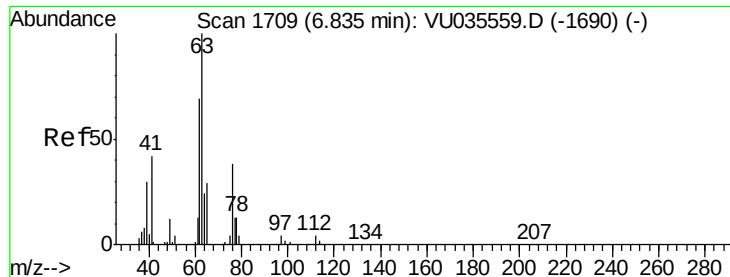
Tgt Ion:	95	Resp:	25097
Ion	Ratio	Lower	Upper
95	100		
97	58.2	45.6	84.6
132	91.9	69.9	129.7
130	95.6	73.1	135.7



#35
 Methylcyclohexane
 Concen: 4.993 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion:	83	Resp:	32511
Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.0	91.4
98	43.3	36.6	54.8

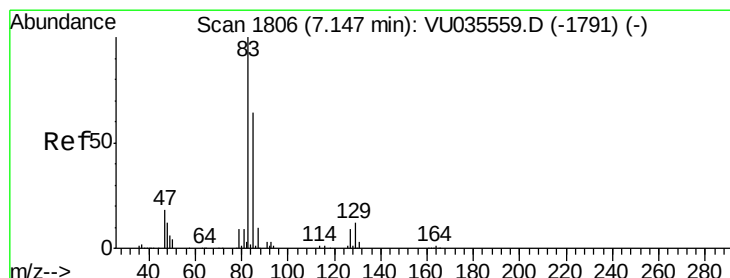
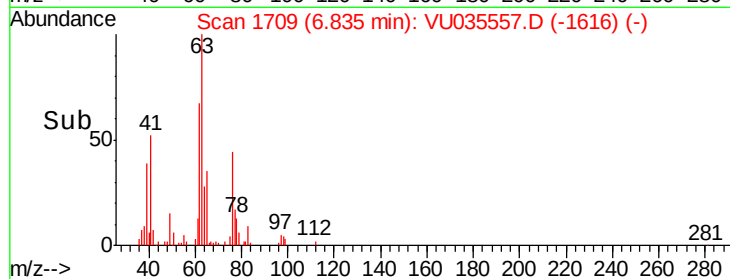
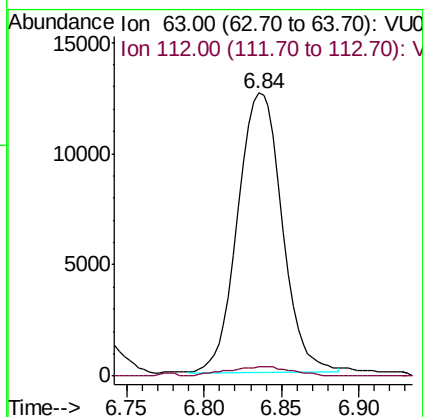
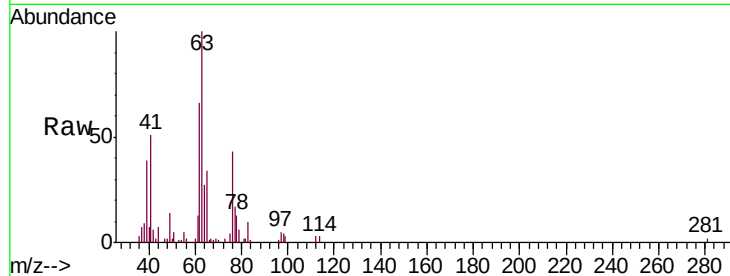




#37
 1,2-Dichloropropane
 Concen: 4.890 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

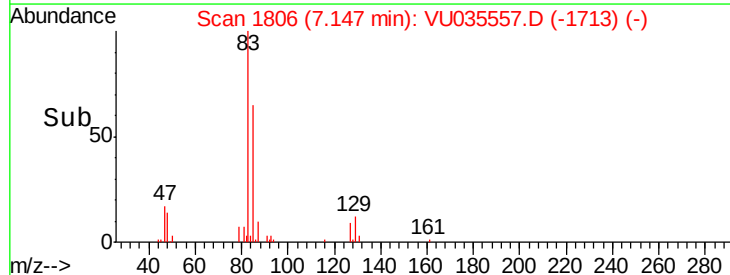
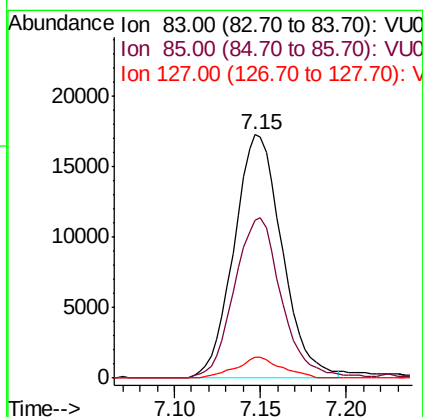
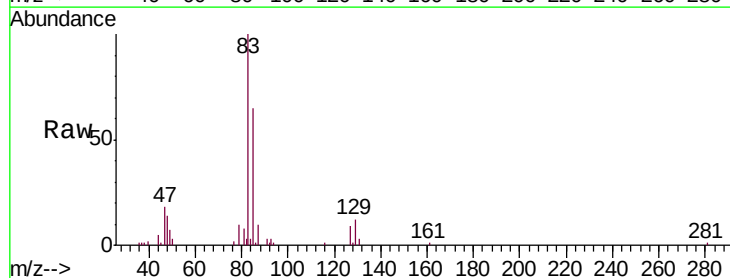
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

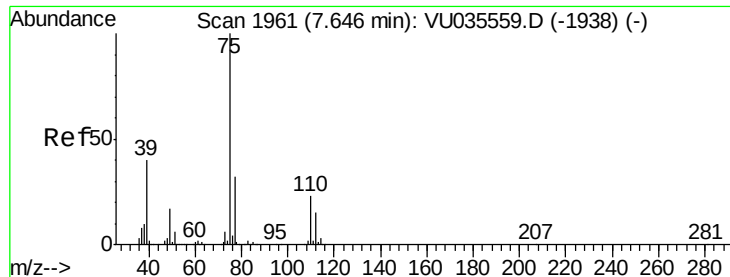
Tgt Ion: 63 Resp: 25047
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 5.300 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion: 83 Resp: 33620
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.1 83.7
 127 8.8 7.2 10.8

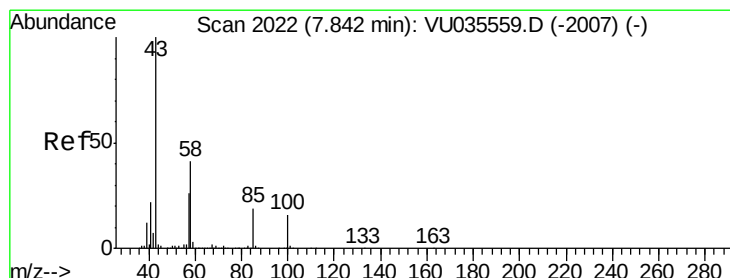
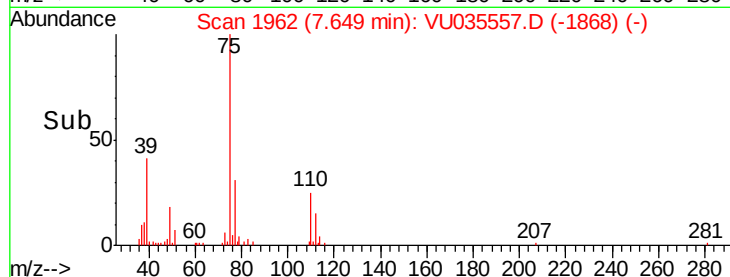
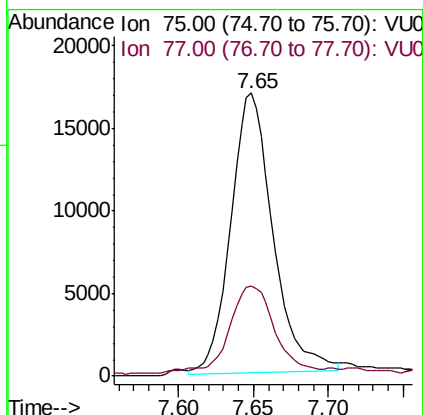
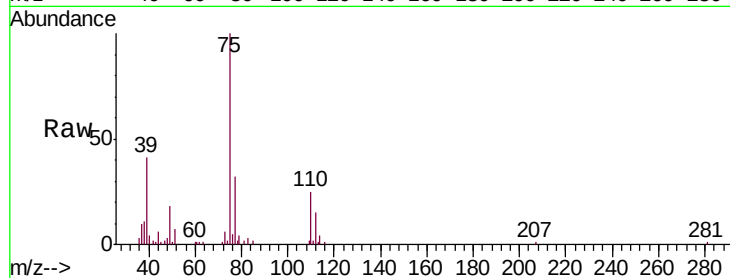




#39
 cis-1,3-Dichloropropene
 Concen: 4.397 ug/L
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

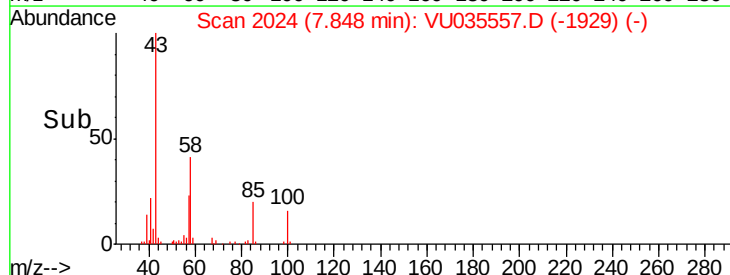
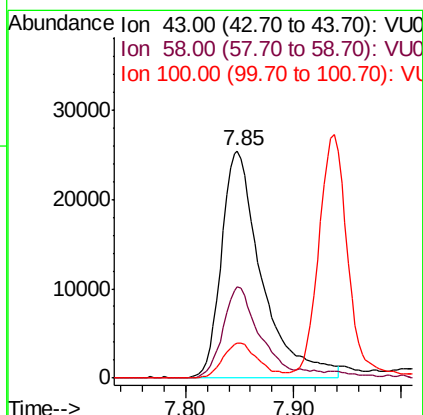
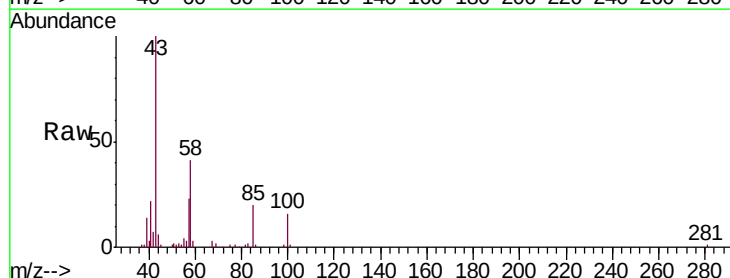
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

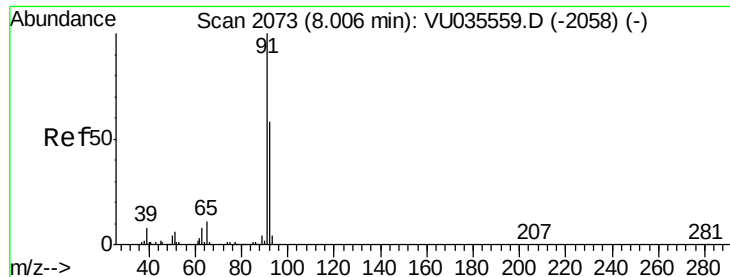
Tgt Ion: 75 Resp: 33191
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 9.558 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion: 43 Resp: 66018
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.6 49.0
 100 13.7 12.6 19.0





#42

Toluene

Concen: 4.735 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

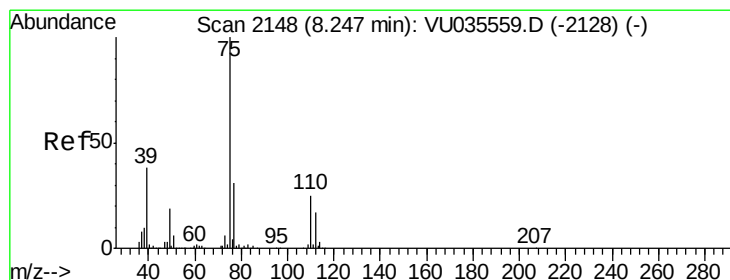
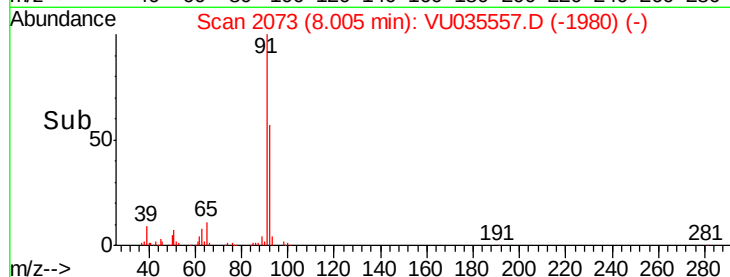
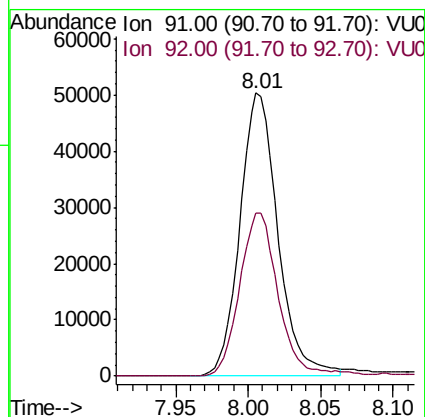
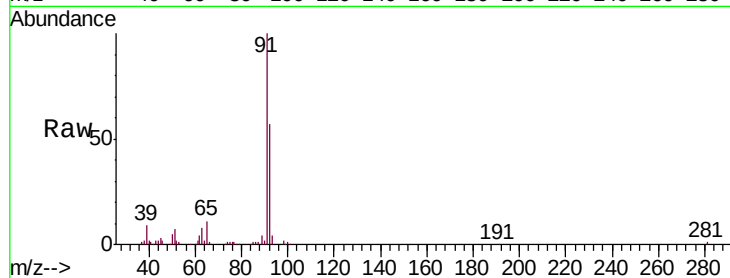
VSTD00536

Tgt Ion: 91 Resp: 91806

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.535 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035557.D

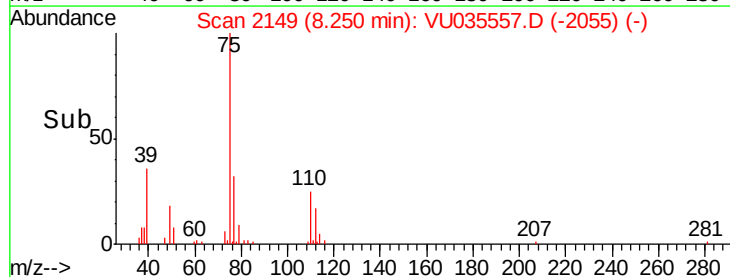
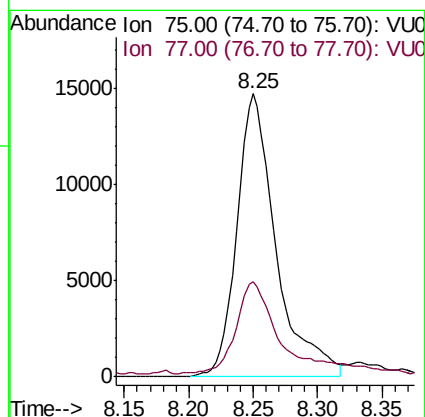
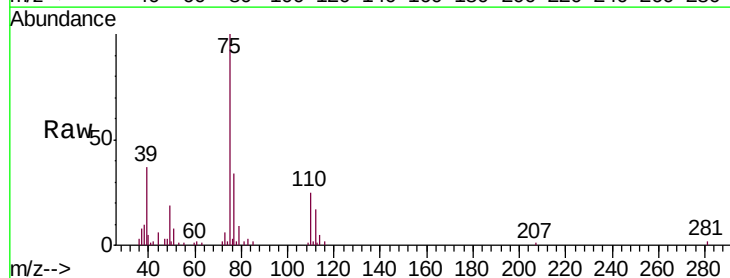
Acq: 30 Oct 2019 13:24

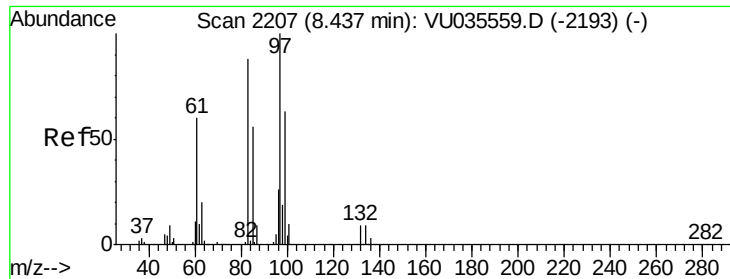
Tgt Ion: 75 Resp: 31188

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1

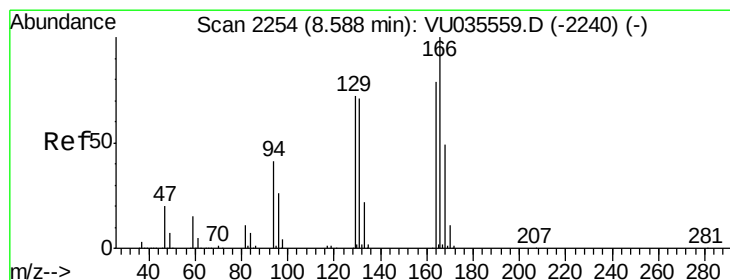
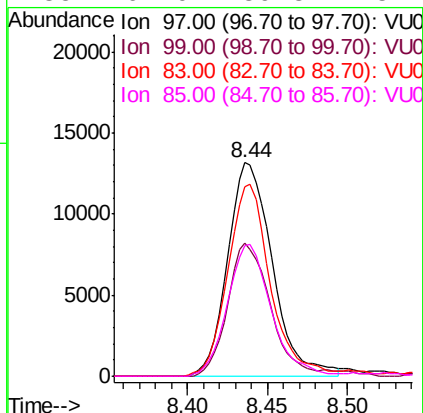
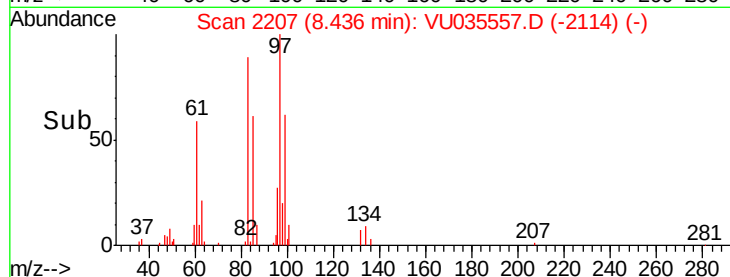
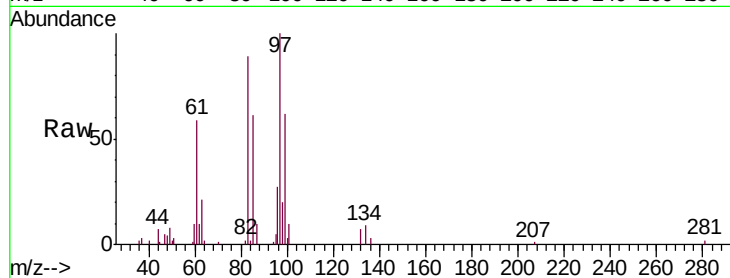




#45
 1,1,2-Trichloroethane
 Concen: 5.355 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

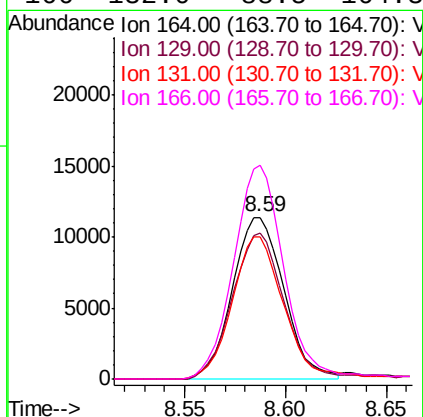
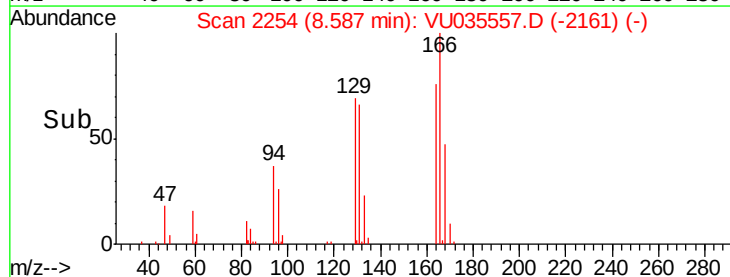
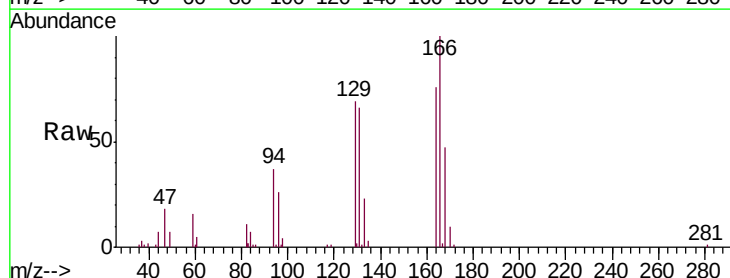
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

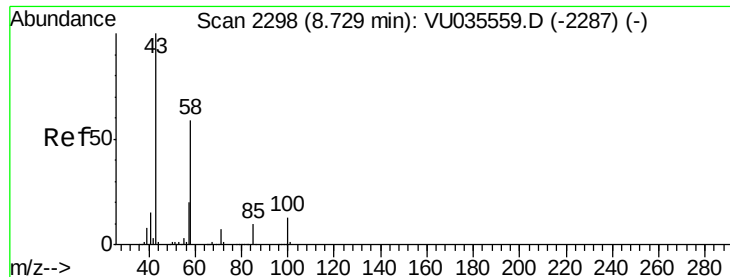
Tgt Ion:	97	Resp:	25150
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	88.9	61.5	114.3
85	61.0	39.3	73.1



#46
 Tetrachloroethene
 Concen: 5.550 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion:	164	Resp:	20337
Ion	Ratio	Lower	Upper
164	100		
129	90.5	64.1	119.1
131	87.7	63.1	117.1
166	132.0	88.5	164.3

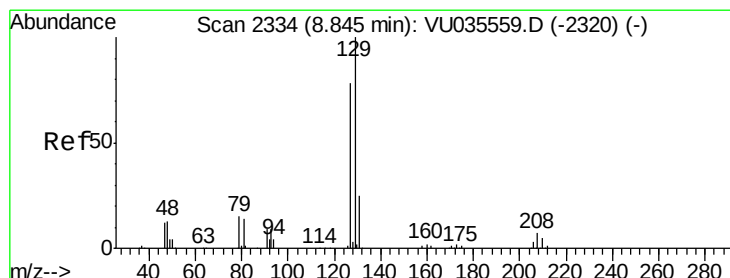
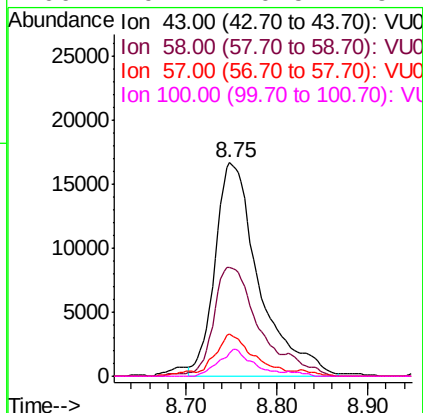
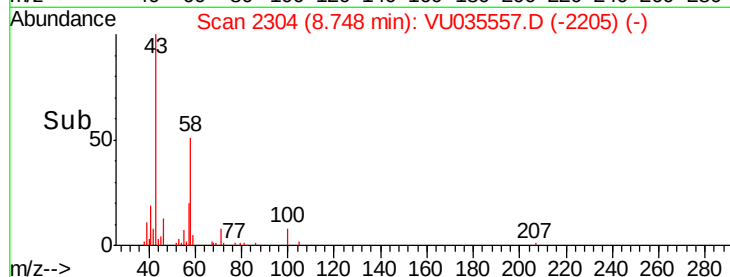
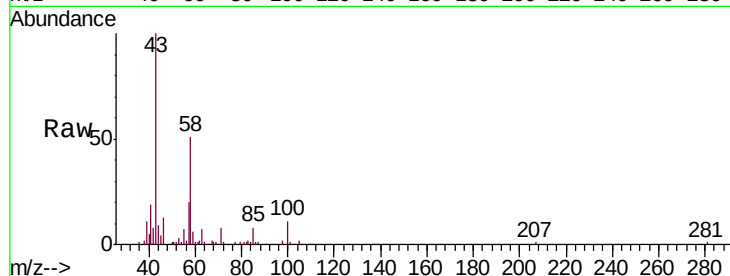




#48
2-Hexanone
Concen: 10.121 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

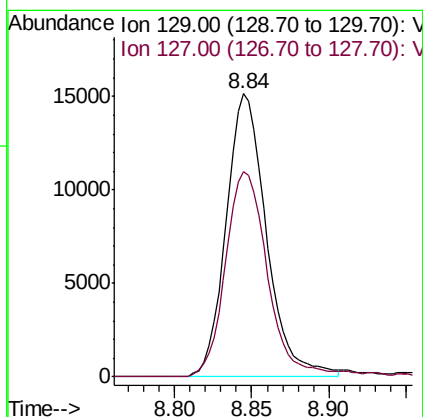
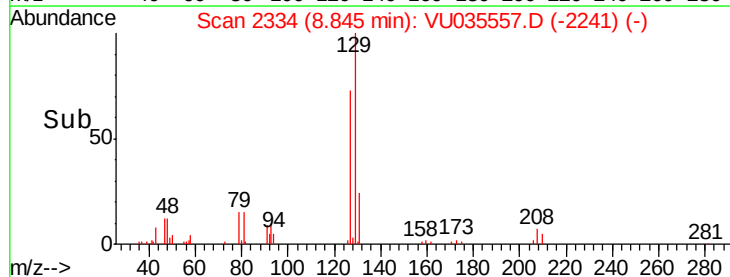
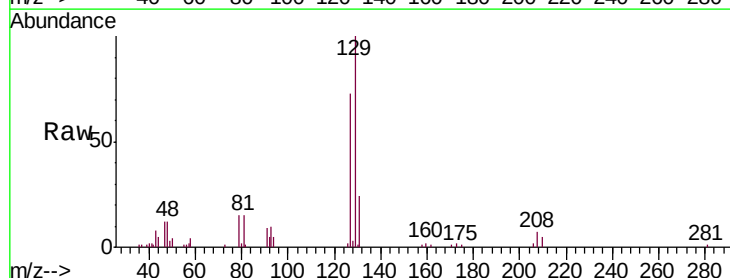
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

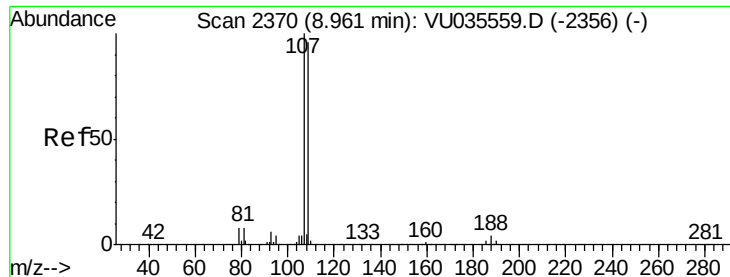
Tgt Ion: 43 Resp: 56173
Ion Ratio Lower Upper
43 100
58 45.8 50.4 75.6#
57 11.4 17.4 26.0#
100 9.4 10.5 15.7#



#49
Dibromochloromethane
Concen: 5.385 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion: 129 Resp: 27421
Ion Ratio Lower Upper
129 100
127 72.6 54.9 101.9

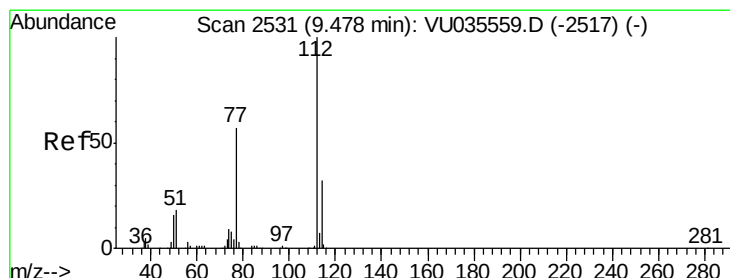
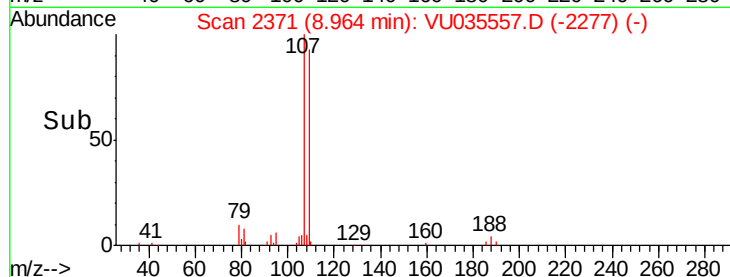
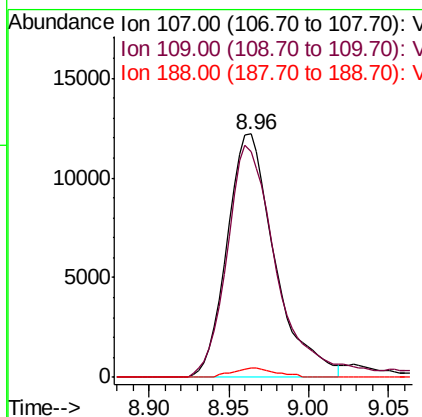
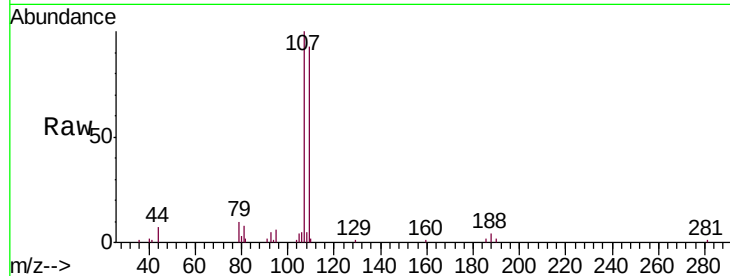




#50
1,2-Dibromoethane
Concen: 5.031 ug/L
RT: 8.96 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

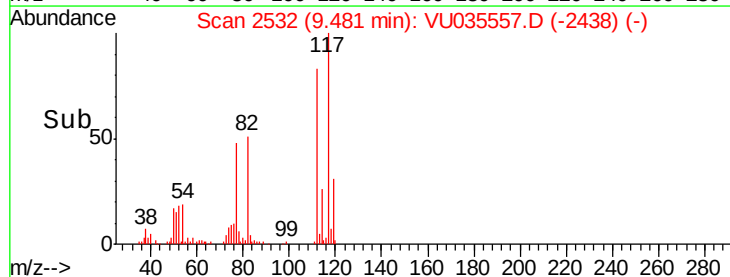
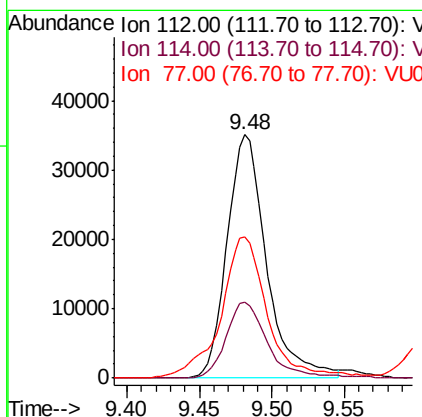
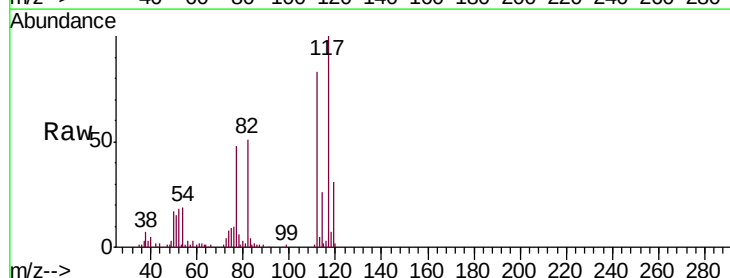
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

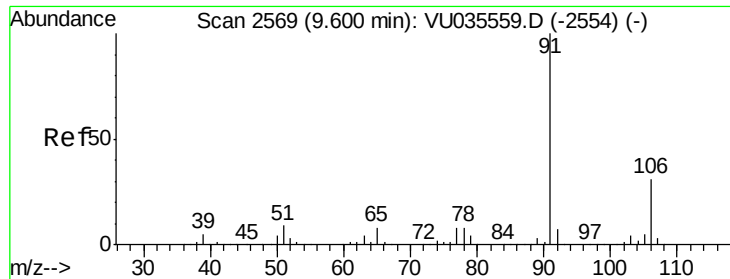
Tgt Ion:107 Resp: 24910
Ion Ratio Lower Upper
107 100
109 92.6 66.8 124.2
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 5.261 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035557.D
Acq: 30 Oct 2019 13:24

Tgt Ion:112 Resp: 66354
Ion Ratio Lower Upper
112 100
114 31.1 22.7 42.3
77 58.2 45.9 68.9





#52

Ethylbenzene

Concen: 4.721 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

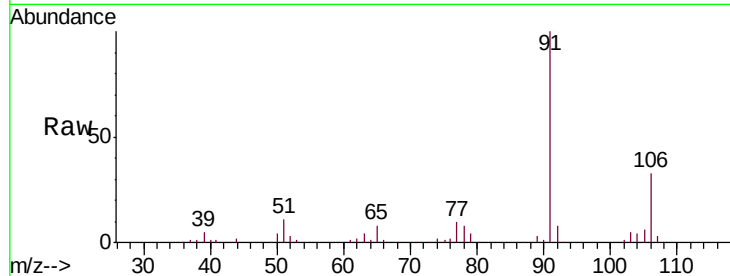
VSTD00536

Tgt Ion: 91 Resp: 97223

Ion Ratio Lower Upper

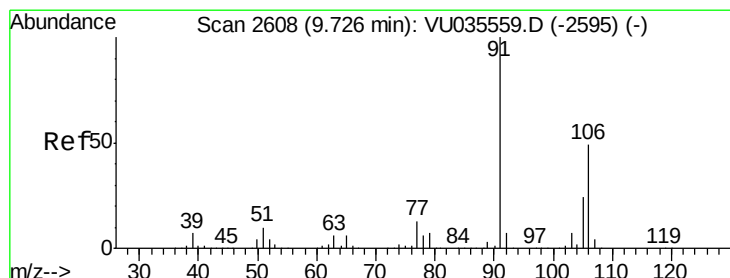
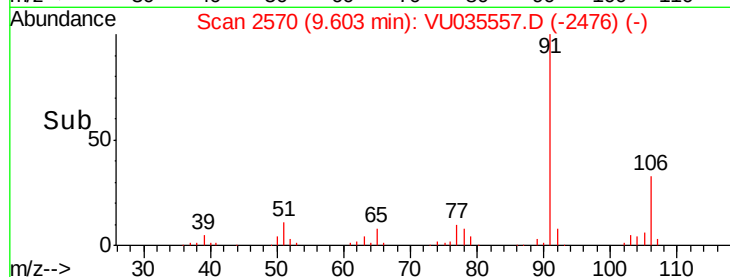
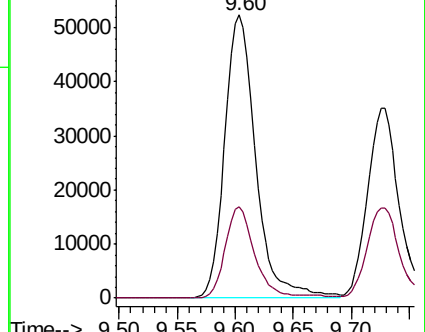
91 100

106 32.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035559.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU035559.D (-2554) (-)



#53

m,p-Xylene

Concen: 4.469 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035557.D

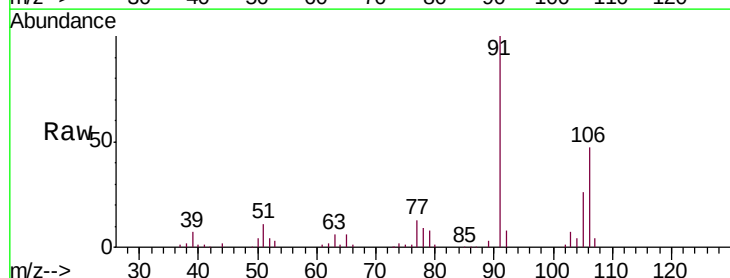
Acq: 30 Oct 2019 13:24

Tgt Ion: 106 Resp: 34151

Ion Ratio Lower Upper

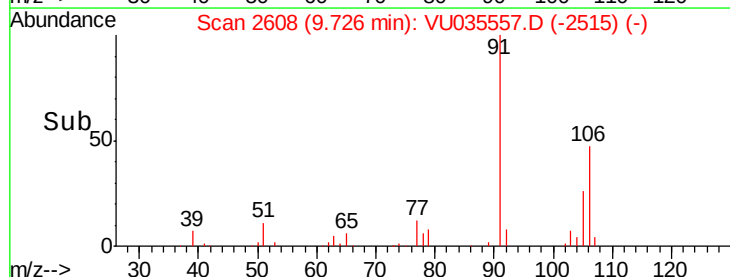
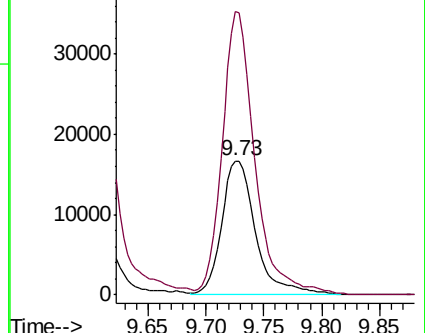
106 100

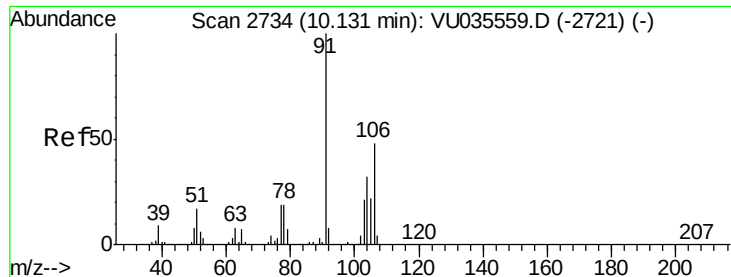
91 211.7 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035559.D (-2595) (-)

Ion 91.00 (90.70 to 91.70): VU035559.D (-2595) (-)





#54

o-xylene

Concen: 4.415 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

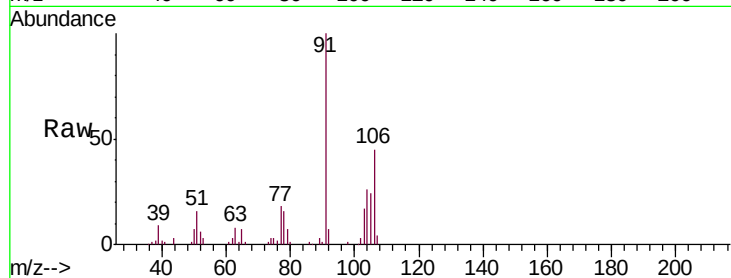
VSTD00536

Tgt Ion:106 Resp: 33075

Ion Ratio Lower Upper

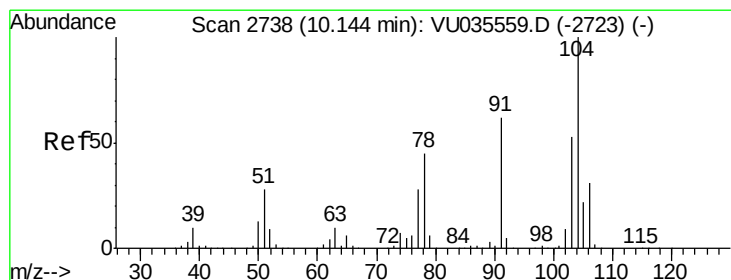
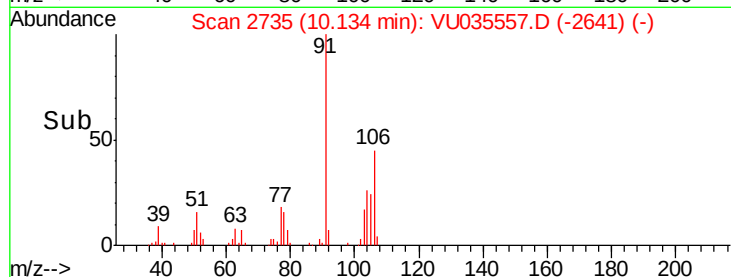
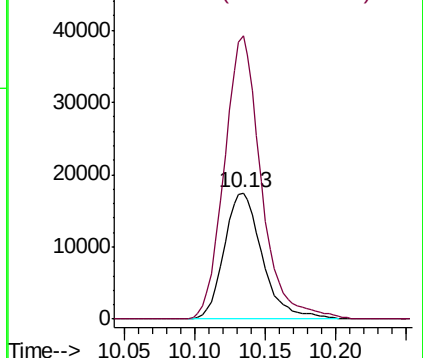
106 100

91 223.7 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.226 ug/L

RT: 10.15 min Scan# 2740

Delta R.T. 0.01 min

Lab File: VU035557.D

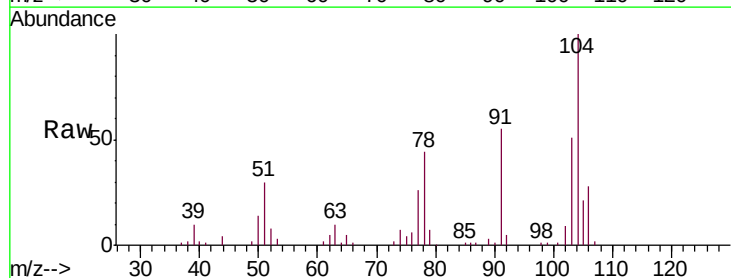
Acq: 30 Oct 2019 13:24

Tgt Ion:104 Resp: 51769

Ion Ratio Lower Upper

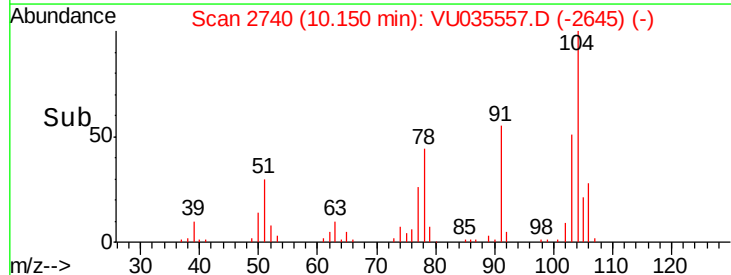
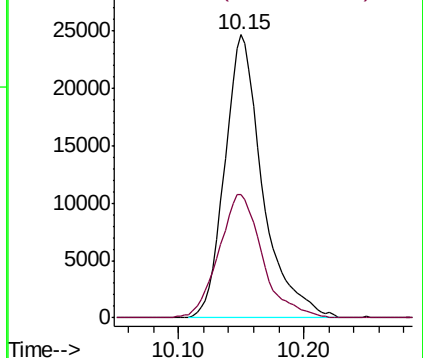
104 100

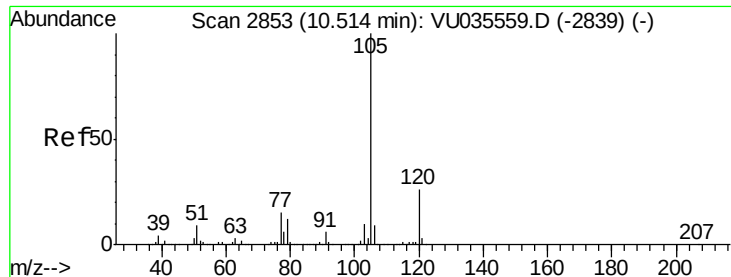
78 43.8 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.311 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

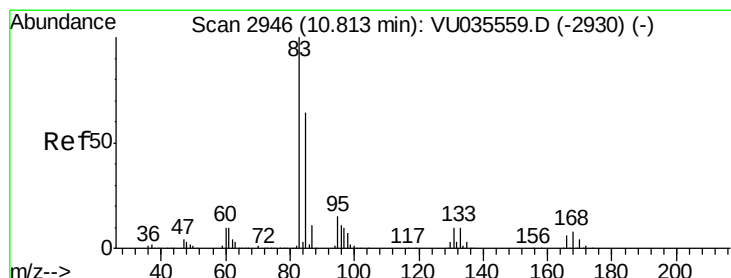
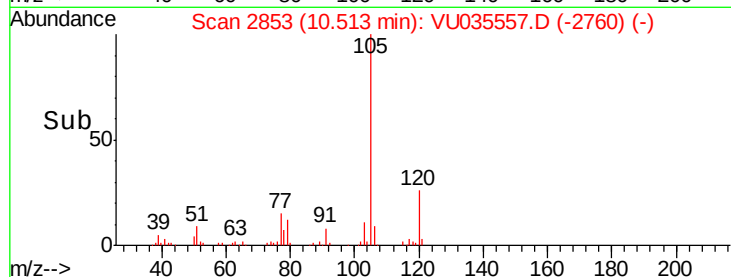
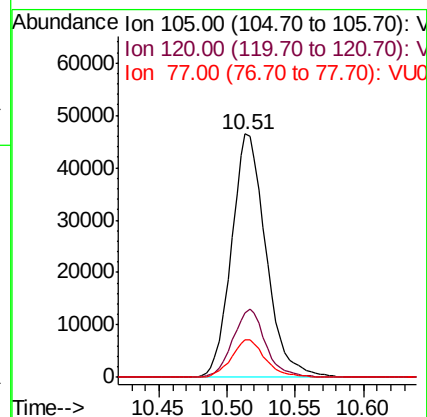
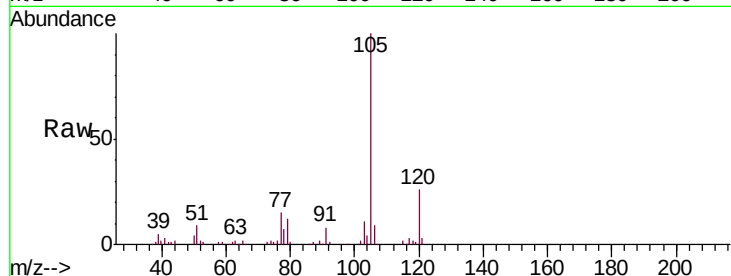
Tgt Ion: 105 Resp: 81455

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

77 15.3 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.103 ug/L

RT: 10.82 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

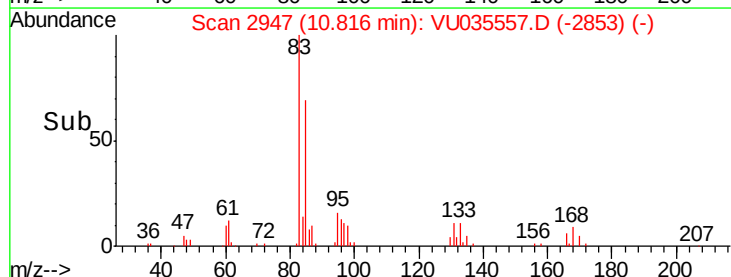
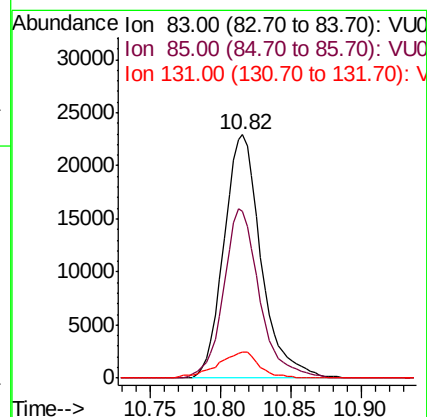
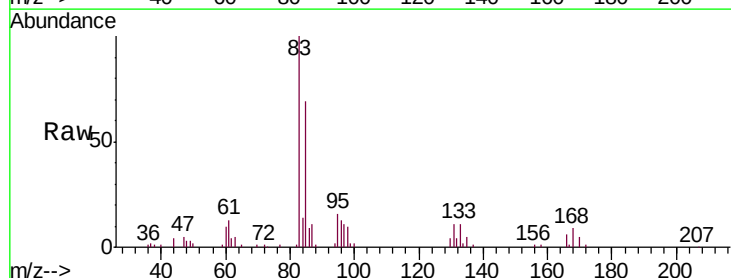
Tgt Ion: 83 Resp: 42202

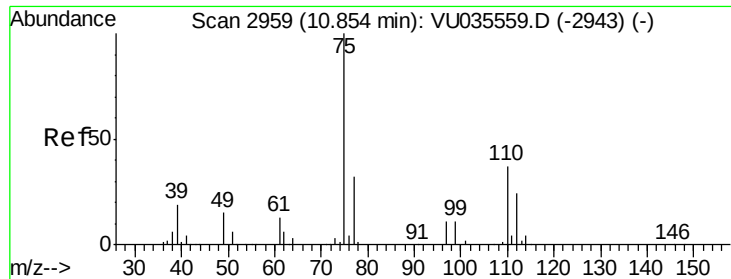
Ion Ratio Lower Upper

83 100

85 68.7 44.6 82.8

131 10.8 8.2 12.4

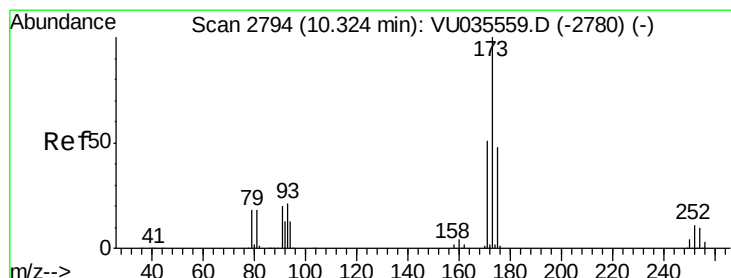
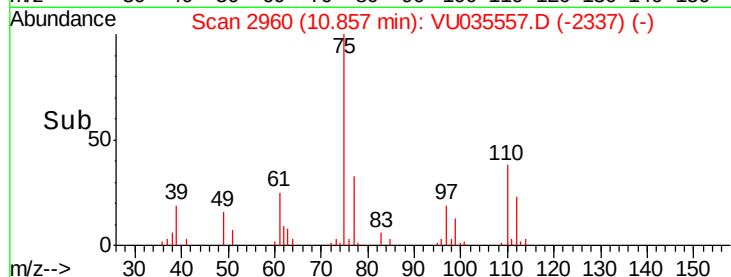
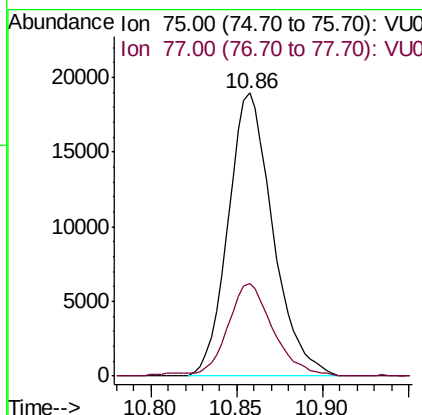
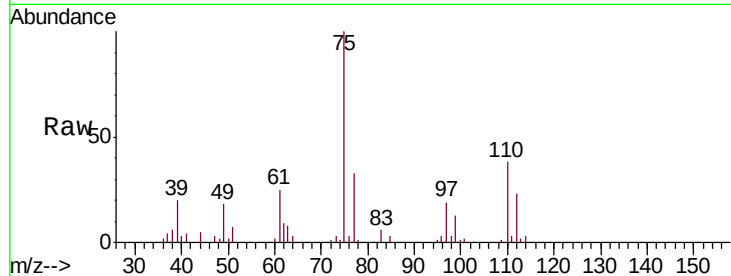




#59
 1,2,3-Trichloropropane
 Concen: 5.236 ug/L
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

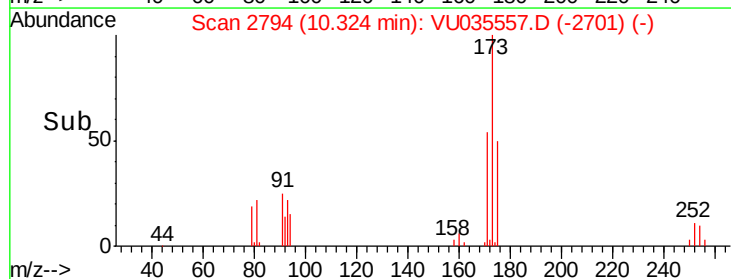
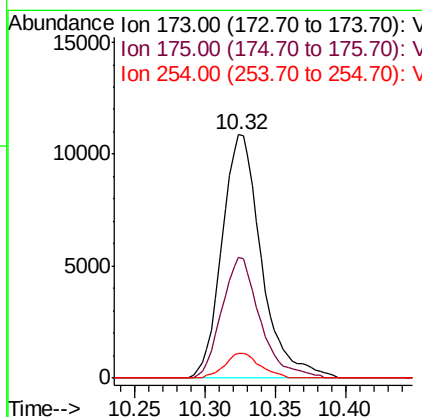
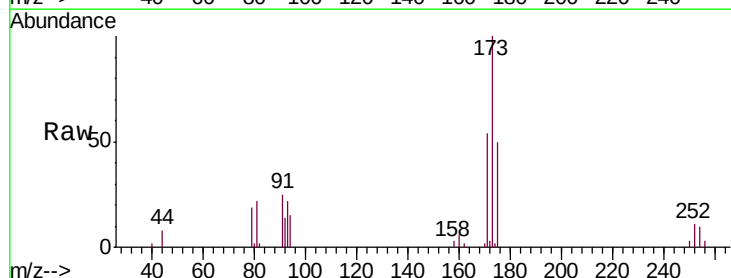
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

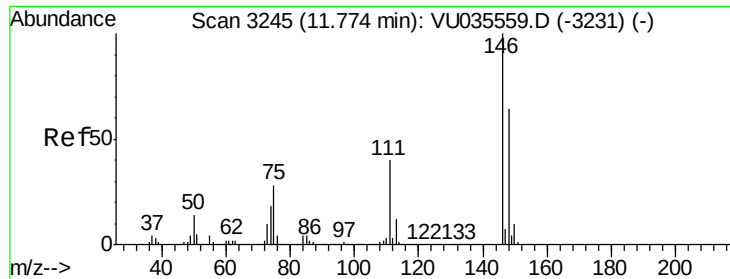
Tgt Ion: 75 Resp: 34248
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 6.665 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion: 173 Resp: 21247
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.4 59.0
 254 9.2 8.1 12.1

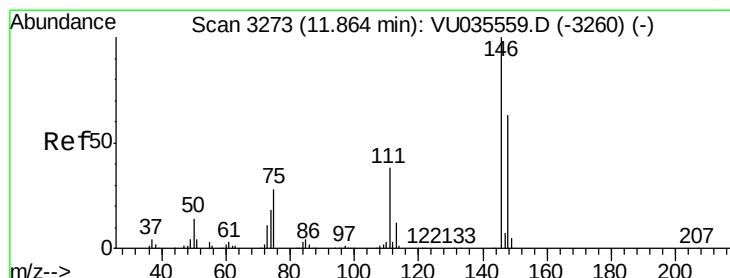
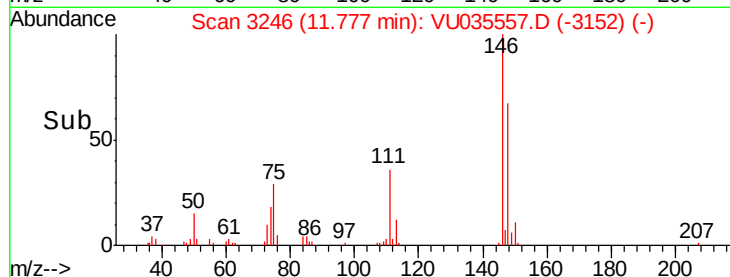
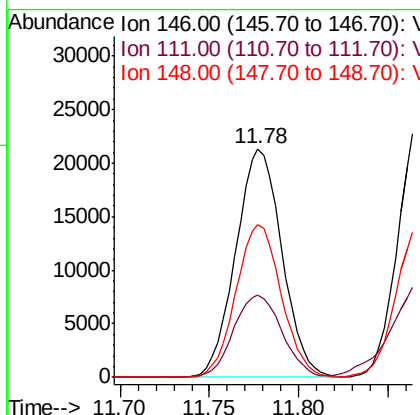
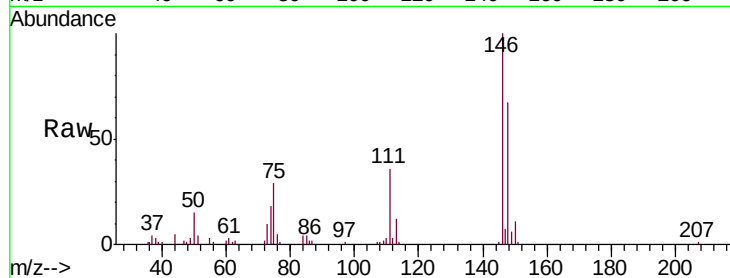




#62
 1,3-Dichlorobenzene
 Concen: 5.749 ug/L
 RT: 11.78 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

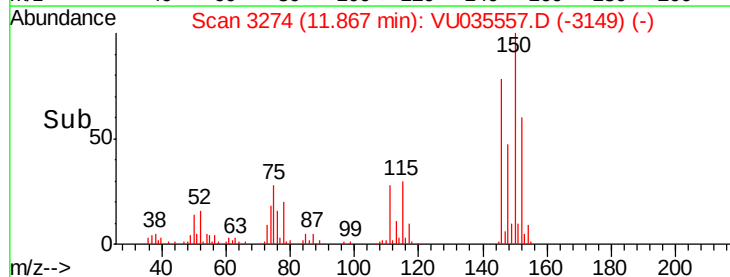
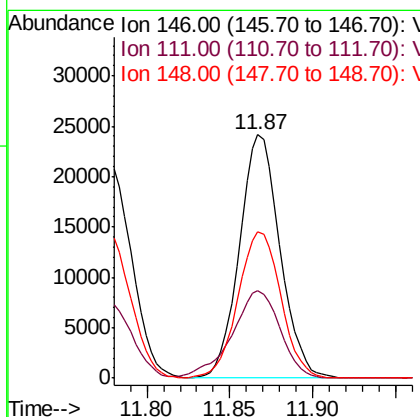
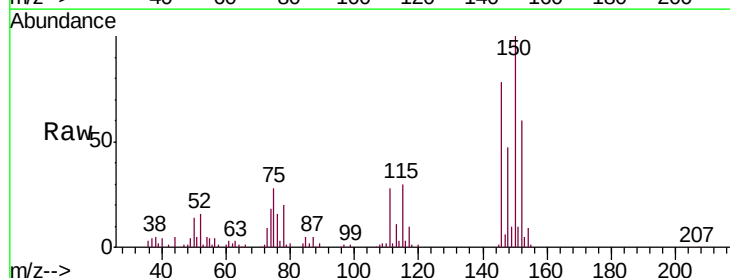
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

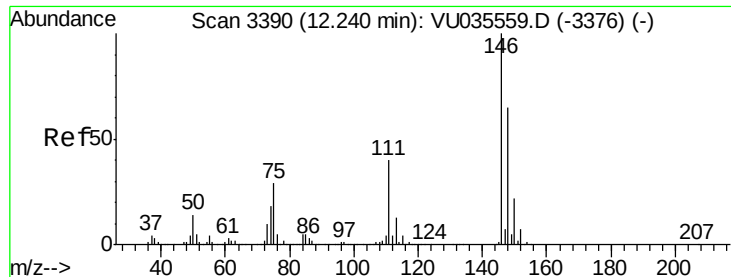
Tgt Ion:146 Resp: 38486
 Ion Ratio Lower Upper
 146 100
 111 35.8 27.8 51.6
 148 67.1 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 6.024 ug/L
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion:146 Resp: 41053
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.5 49.1
 148 59.9 44.4 82.5

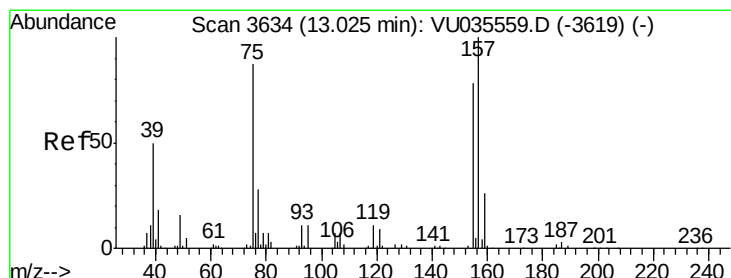
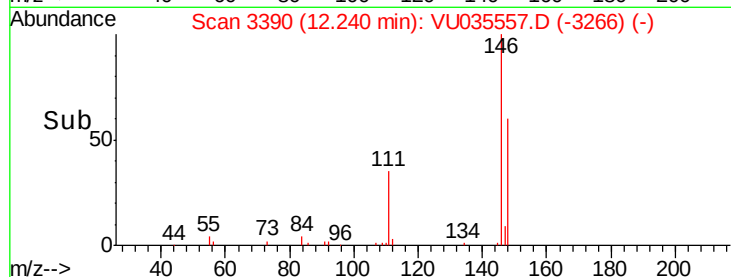
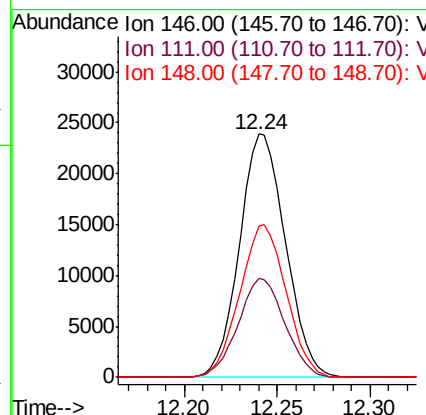
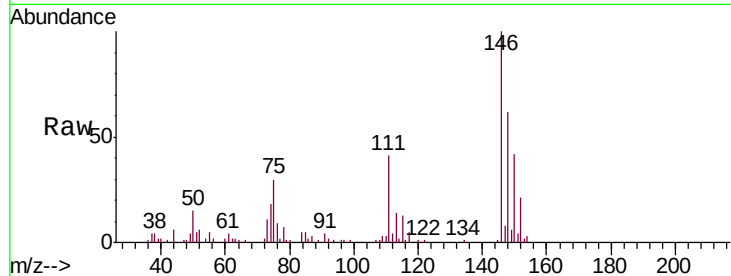




#65
 1,2-Dichlorobenzene
 Concen: 6.032 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

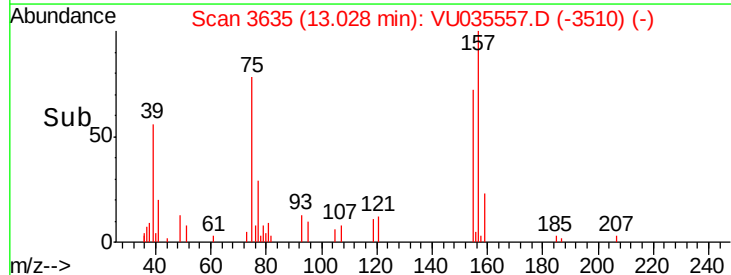
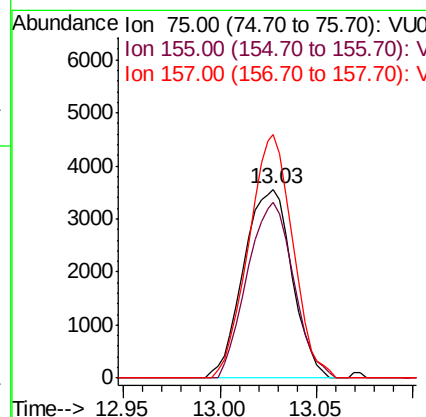
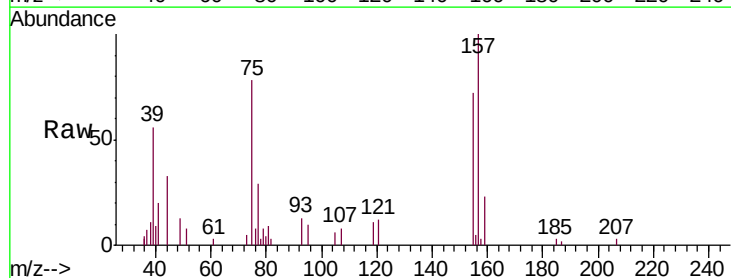
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

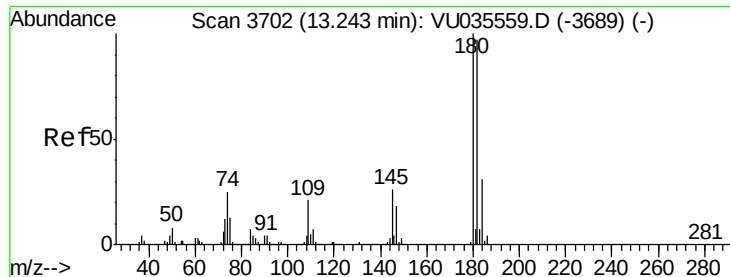
Tgt Ion:146 Resp: 41148
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 62.0 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.533 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion: 75 Resp: 6166
 Ion Ratio Lower Upper
 75 100
 155 92.8 72.2 108.4
 157 129.0 92.1 138.1

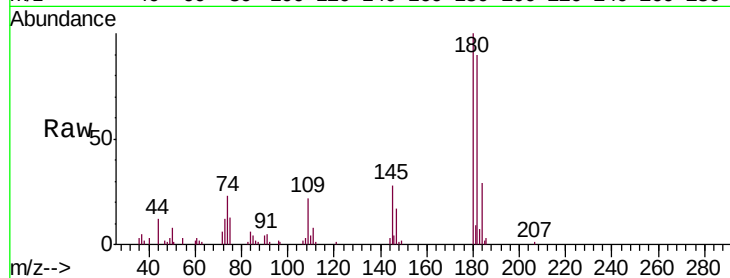




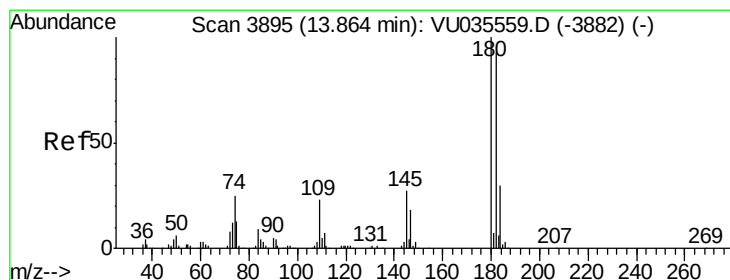
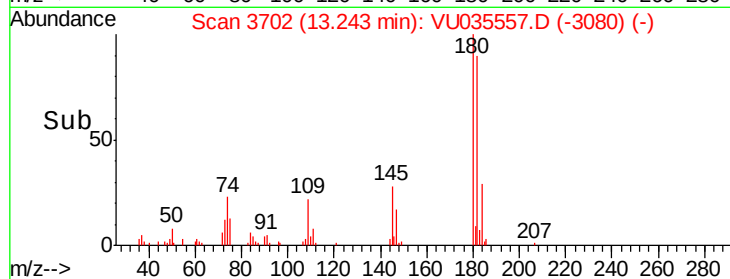
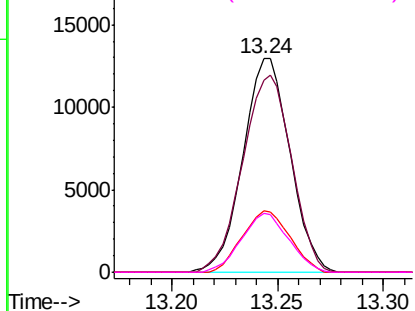
#67
 1,3,5-Trichlorobenzene
 Concen: 5.692 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion:	180	Resp:	20039
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
184	29.3	24.6	36.8
145	27.8	21.7	32.5

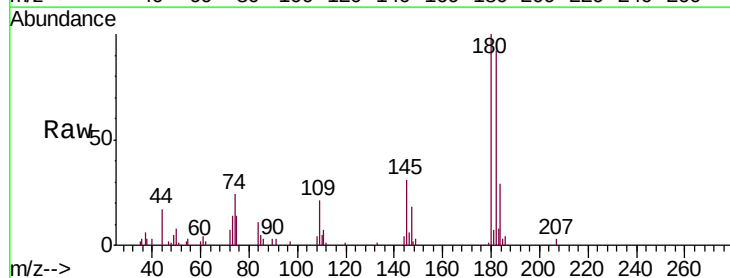


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

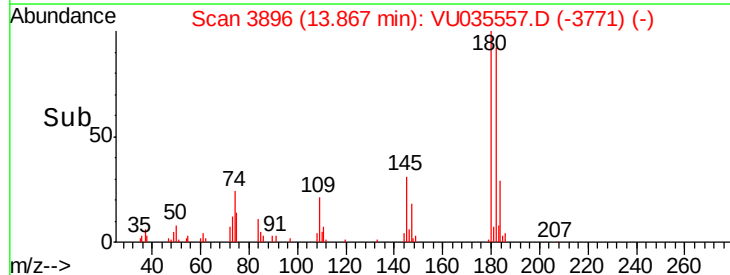
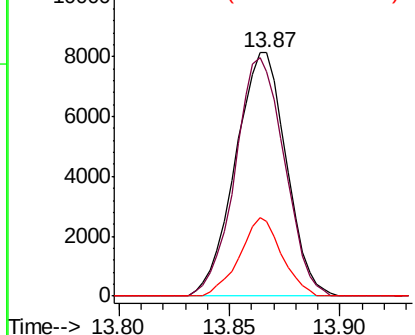


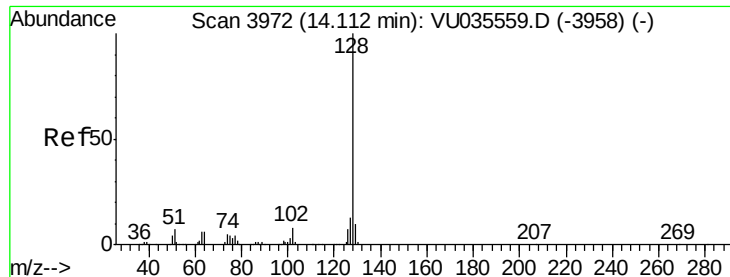
#68
 1,2,4-trichlorobenzene
 Concen: 5.839 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035557.D
 Acq: 30 Oct 2019 13:24

Tgt Ion:	180	Resp:	12989
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	115.0
145	26.7	21.9	32.9



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





#69

Naphthalene

Concen: 5.034 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

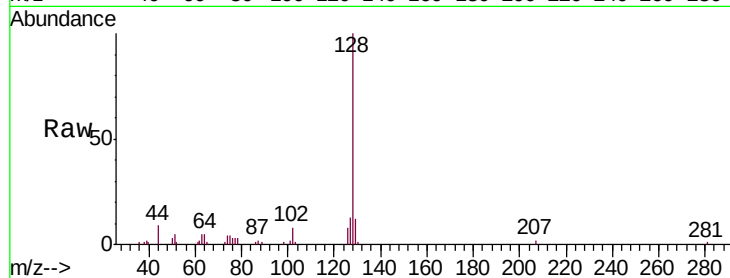
Tgt Ion:128 Resp: 30377

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

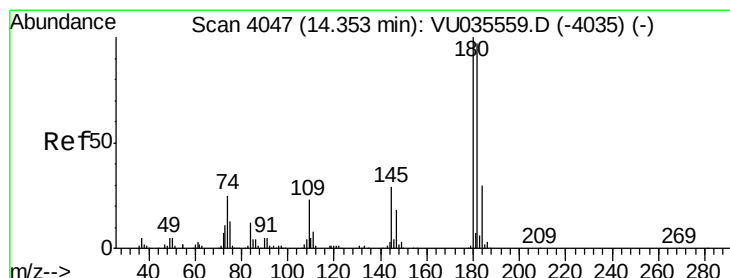
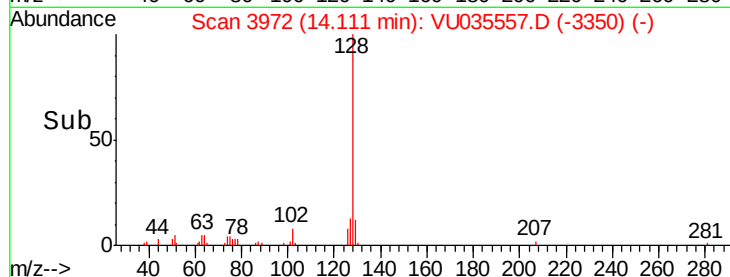
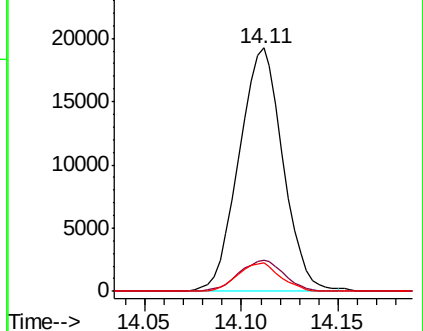
129 11.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.487 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035557.D

Acq: 30 Oct 2019 13:24

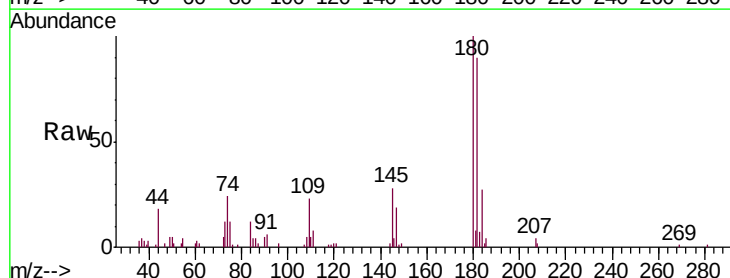
Tgt Ion:180 Resp: 14972

Ion Ratio Lower Upper

180 100

182 95.9 77.6 116.4

145 28.0 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

