

Data File : VU033257.D
Acq On : 16 Jul 2019 10:03
Operator : JC/SP
Sample : VSTD00505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Quant Time: Jul 17 04:01:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 03:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	134864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	141709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	72668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71179	7.85	ug/L	0.00
7) Chloroethane-d5	1.67	69	57064	7.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	138274	6.83	ug/L	0.00
20) 2-Butanone-d5	4.18	46	138380	49.13	ug/L	0.00
24) Chloroform-d	4.62	84	105611	5.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	55565	5.18	ug/L	0.00
32) Benzene-d6	5.32	84	203312	5.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	65302	5.60	ug/L	0.00
41) Toluene-d8	7.55	98	196611	5.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	26030	5.27	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	110901	54.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	53239	5.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	69936	5.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	58218	4.339 ug/L	100
3) Chloromethane	1.32	50	71842	5.289 ug/L	100
5) Vinyl chloride	1.40	62	77610	5.698 ug/L	100
6) Bromomethane	1.62	94	47312	6.018 ug/L	100
8) Chloroethane	1.69	64	47554	5.734 ug/L	100
9) Trichlorofluoromethane	1.87	101	111381	5.747 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	59758	5.870 ug/L	100
12) 1,1-Dichloroethene	2.27	96	56946	6.111 ug/L	100
13) Acetone	2.34	43	116845	50.485 ug/L	100
14) Carbon disulfide	2.46	76	187036	6.079 ug/L	100
15) Methyl Acetate	2.61	43	30300	5.435 ug/L	100
16) Methylene chloride	2.68	84	67186	6.103 ug/L	100
17) Methyl tert-butyl Ether	2.98	73	153429	5.755 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	62178	6.038 ug/L	100
19) 1,1-Dichloroethane	3.42	63	95227	4.893 ug/L	100
21) 2-Butanone	4.27	43	140250	43.781 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	53537	5.003 ug/L	100
23) Bromochloromethane	4.52	128	23977	4.842 ug/L	100
25) Chloroform	4.65	83	100515	4.675 ug/L	100
27) 1,2-Dichloroethane	5.38	62	65073	4.711 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	83500	4.651 ug/L	100
30) Cyclohexane	4.97	56	73300	4.498 ug/L	100
31) Carbon tetrachloride	5.11	117	72819	4.536 ug/L	100
33) Benzene	5.36	78	206270	4.959 ug/L	100
34) Trichloroethene	6.16	95	53216	4.739 ug/L	100
35) Methylcyclohexane	6.39	83	80603	4.806 ug/L	100
37) 1,2-Dichloropropane	6.41	63	55235	4.852 ug/L	100
38) Bromodichloromethane	6.74	83	69552	4.697 ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	77761	4.843 ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	325717	42.539 ug/L	100

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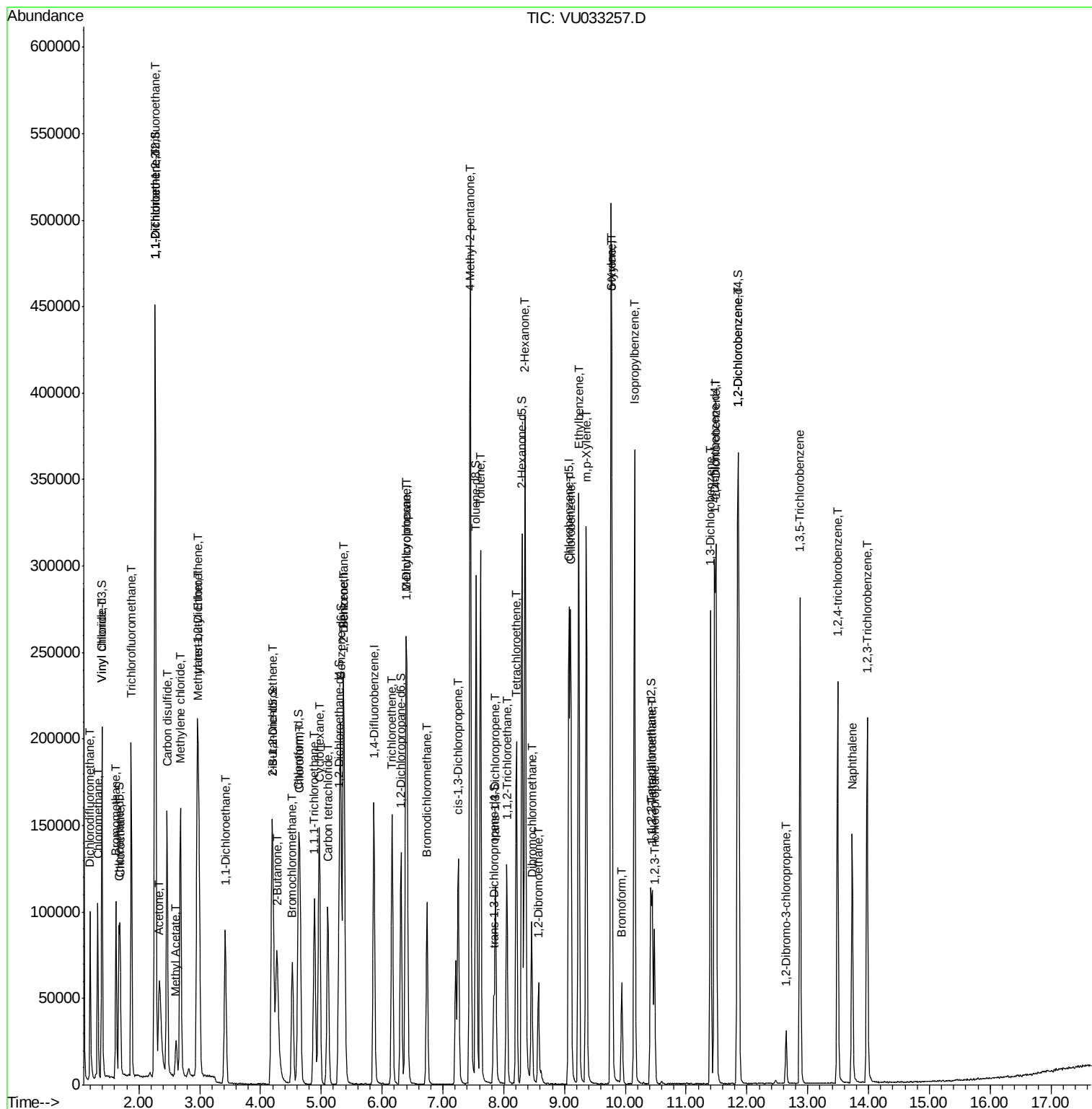
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	223921	5.003	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	64861	4.847	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	39189	4.900	ug/L	100
47) Tetrachloroethene	8.21	164	42017	4.543	ug/L	100
48) 2-Hexanone	8.35	43	242008	43.338	ug/L	100
49) Dibromochloromethane	8.46	129	48246	4.809	ug/L	100
50) 1,2-Dibromoethane	8.57	107	38793	5.054	ug/L	100
51) Chlorobenzene	9.10	112	143792	4.869	ug/L	100
52) Ethylbenzene	9.23	91	236153	4.825	ug/L	100
53) m,p-Xylene	9.36	106	91395	5.076	ug/L	100
54) o-Xylene	9.77	106	87128	4.974	ug/L	100
55) Styrene	9.77	104	152600	5.138	ug/L	100
56) Isopropylbenzene	10.15	105	228091	4.878	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	51047	4.975	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	36286	4.685	ug/L	100
61) Bromoform	9.94	173	26172	4.795	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	109680	4.835	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	114296	4.826	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	108248	4.876	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	8113	5.200	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	85068	4.800	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	70228	5.438	ug/L	100
69) Naphthalene	13.73	128	116660	5.905	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	67441	5.471	ug/L	100

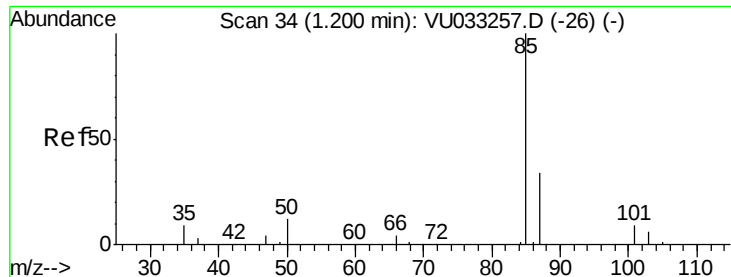
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.339 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

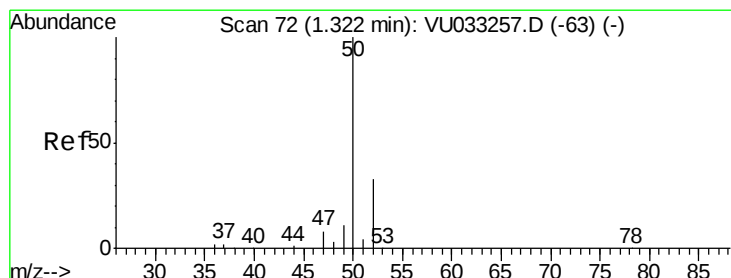
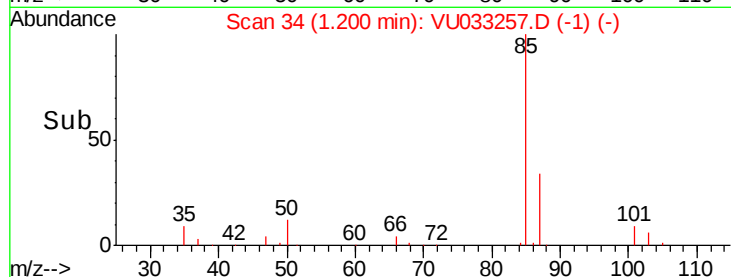
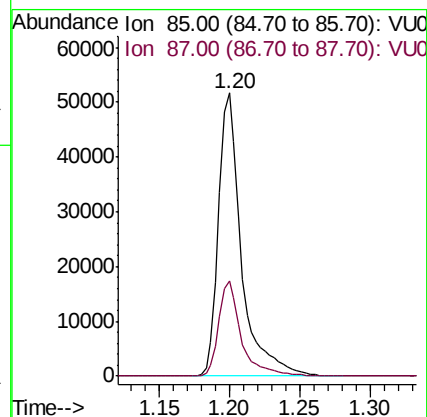
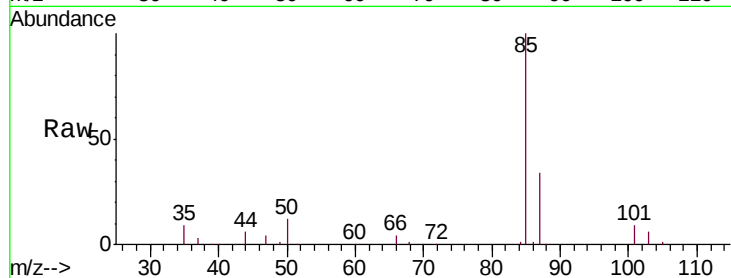
VSTD00505

Tgt Ion: 85 Resp: 58218

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



#3

Chloromethane

Concen: 5.289 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033257.D

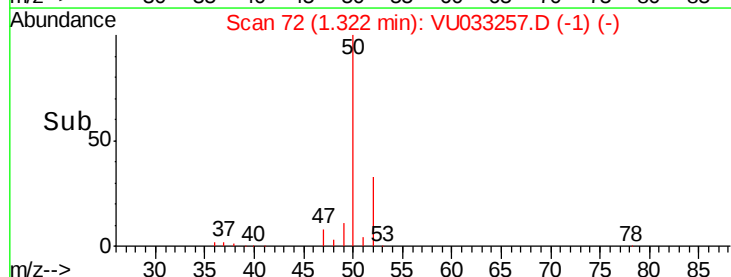
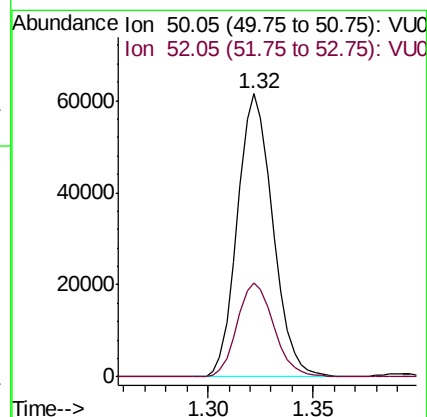
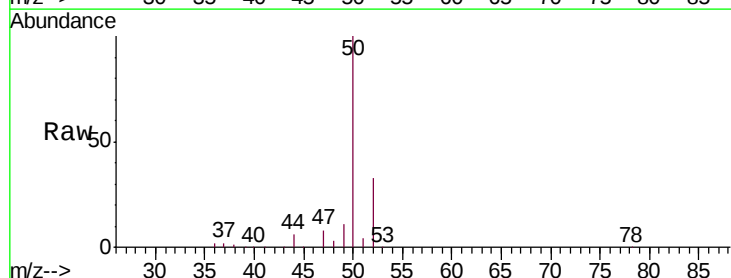
Acq: 16 Jul 2019 10:03

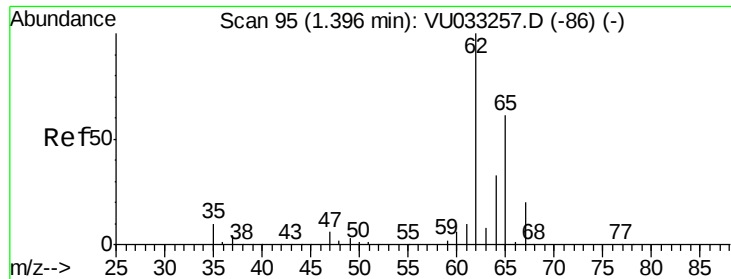
Tgt Ion: 50 Resp: 71842

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 5.698 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

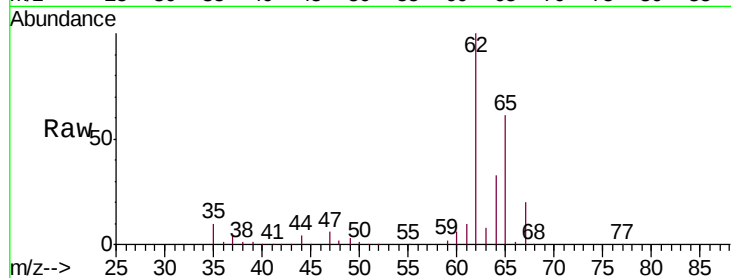
VSTD00505

Tgt Ion: 62 Resp: 77610

Ion Ratio Lower Upper

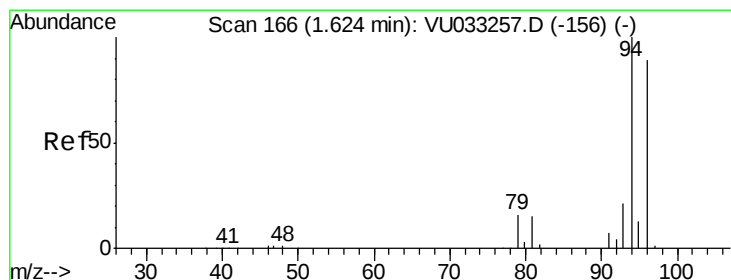
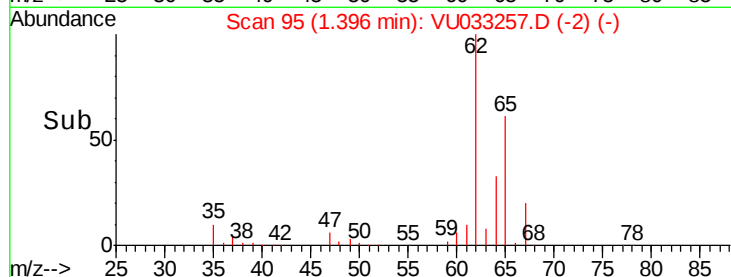
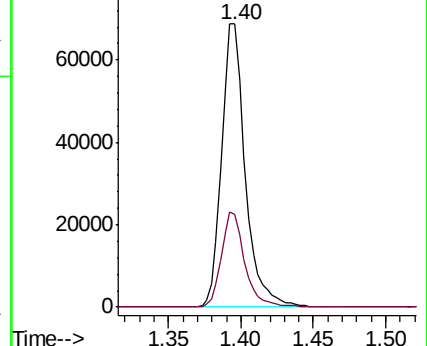
62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033257.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033257.D (-86) (-)



#6

Bromomethane

Concen: 6.018 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033257.D

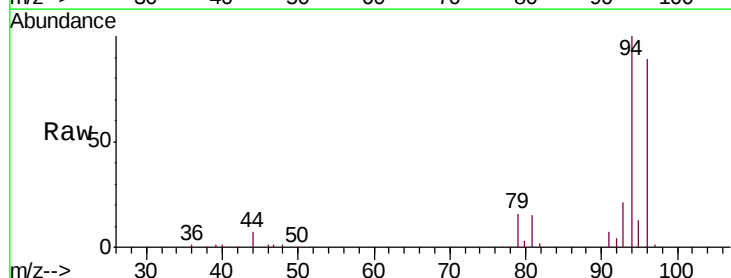
Acq: 16 Jul 2019 10:03

Tgt Ion: 94 Resp: 47312

Ion Ratio Lower Upper

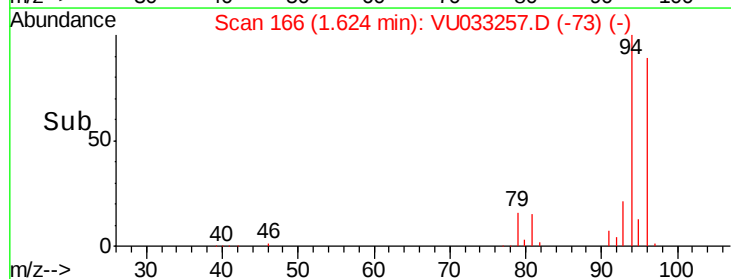
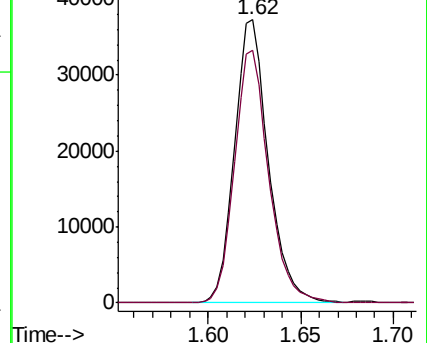
94 100

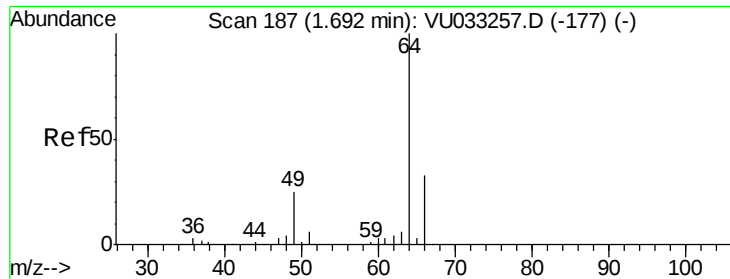
96 89.2 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU033257.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033257.D (-156) (-)

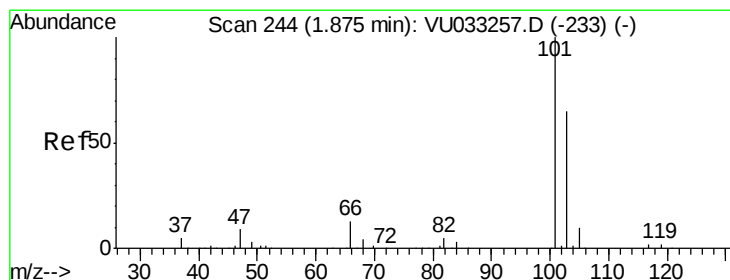
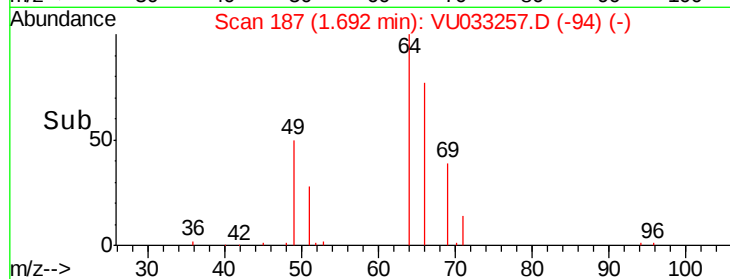
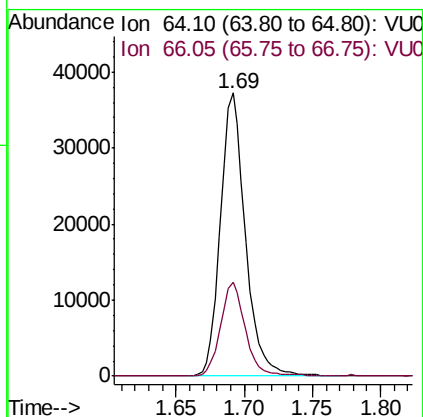
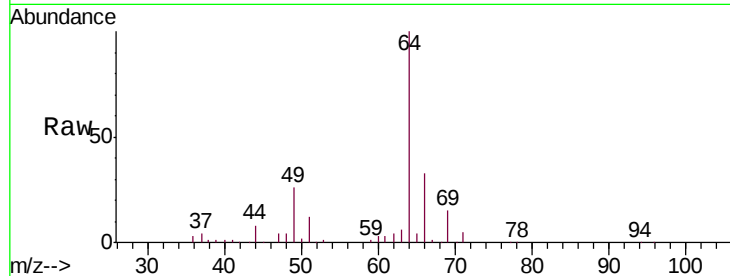




#8
Chloroethane
Concen: 5.734 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

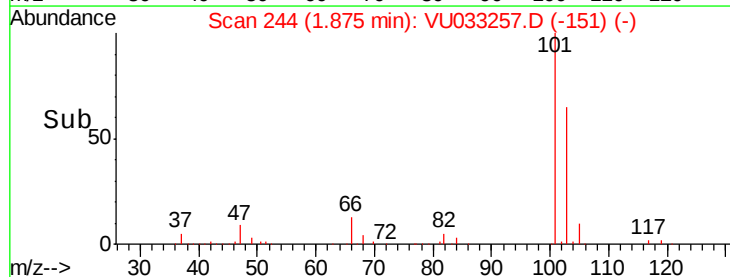
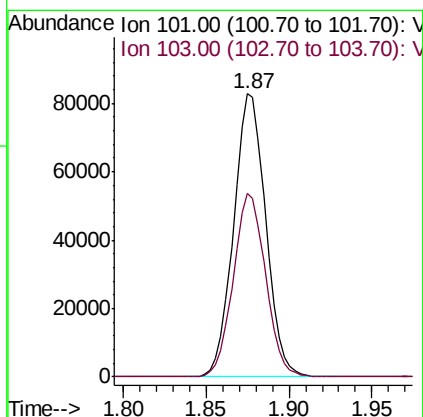
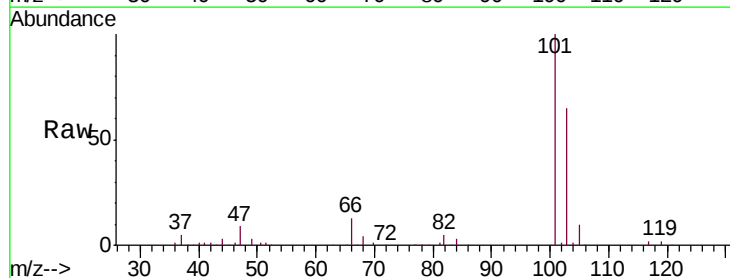
Instrument :
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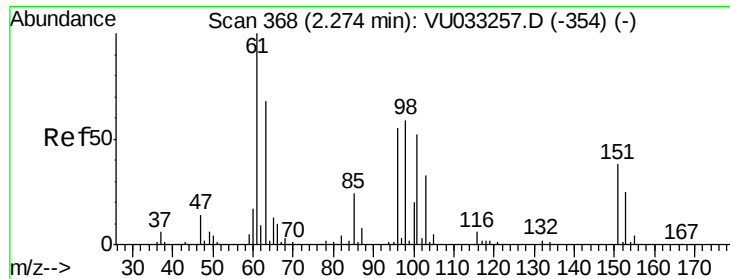
Tgt Ion: 64 Resp: 47554
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.747 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion: 101 Resp: 111381
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 5.870 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

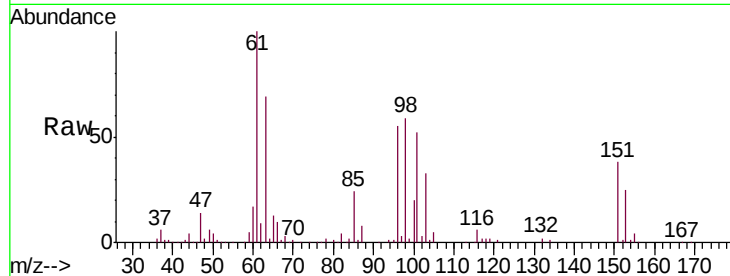
Tgt Ion:101 Resp: 59758

Ion Ratio Lower Upper

101 100

85 46.7 37.4 56.0

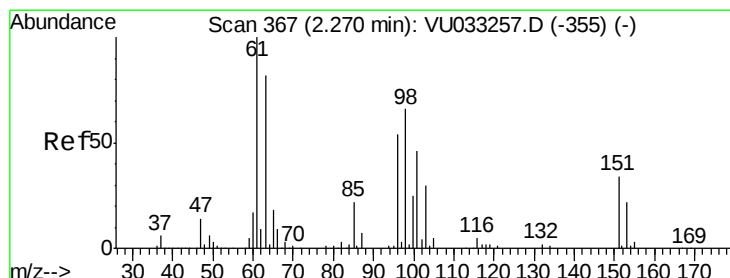
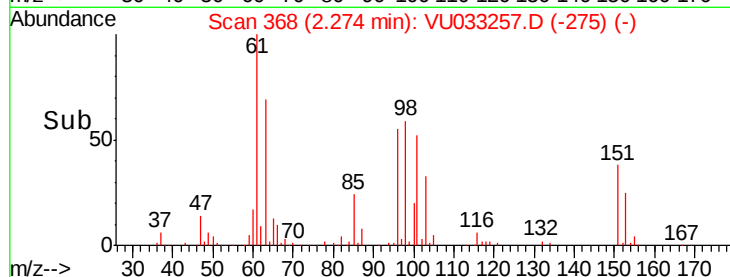
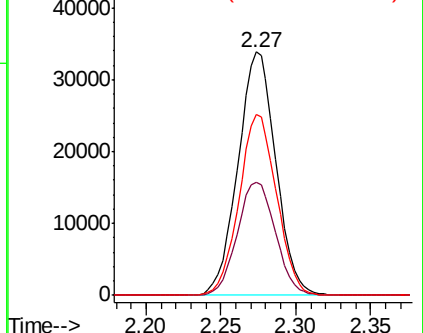
151 73.2 58.6 87.8



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: 6.111 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

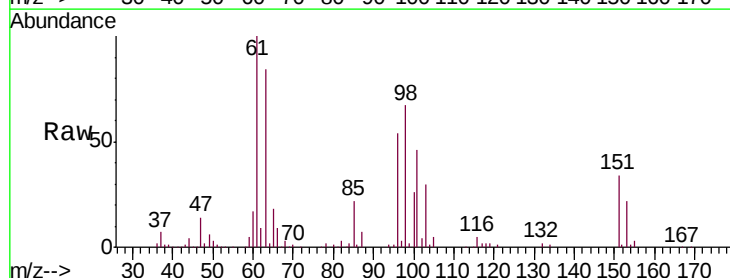
Tgt Ion: 96 Resp: 56946

Ion Ratio Lower Upper

96 100

61 184.7 129.3 240.1

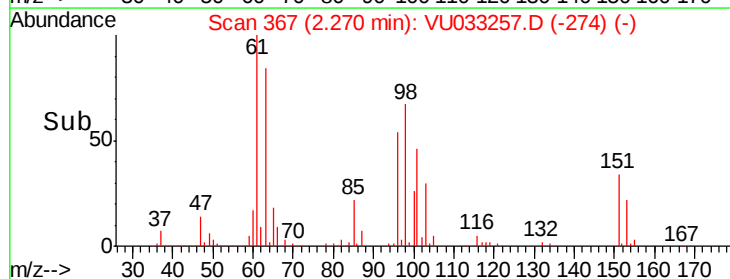
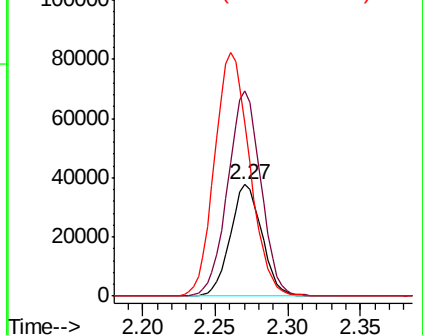
63 155.6 108.9 202.3

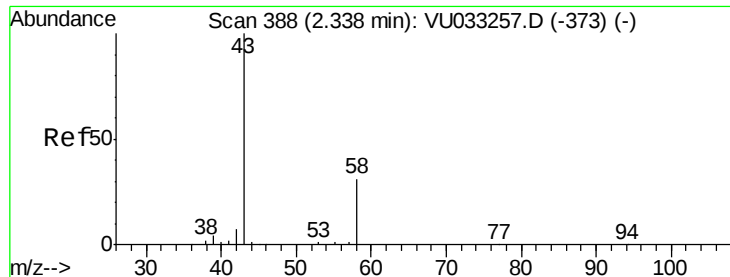


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.485 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

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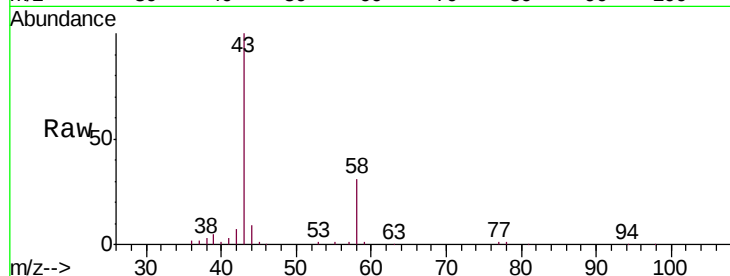
VSTD00505

Tgt Ion: 43 Resp: 116845

Ion Ratio Lower Upper

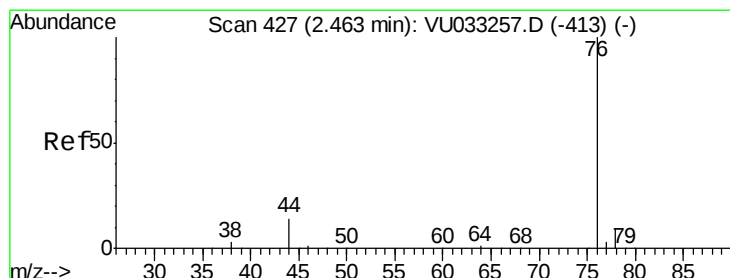
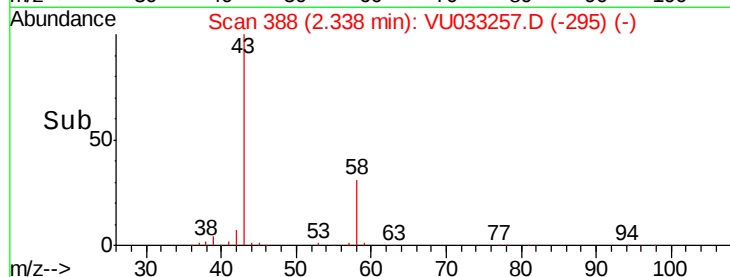
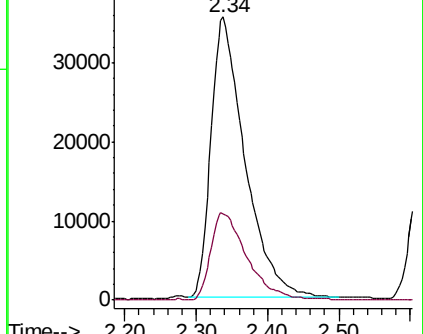
43 100

58 33.3 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033257.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU033257.D (-373) (-)



#14

Carbon disulfide

Concen: 6.079 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033257.D

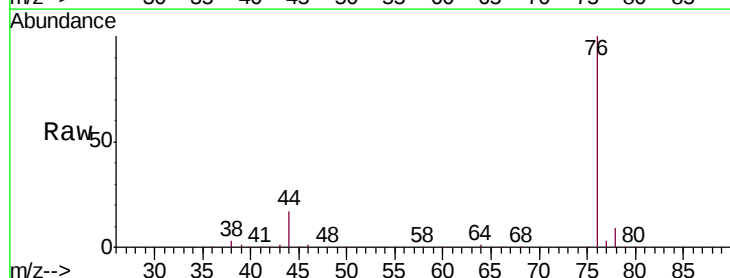
Acq: 16 Jul 2019 10:03

Tgt Ion: 76 Resp: 187036

Ion Ratio Lower Upper

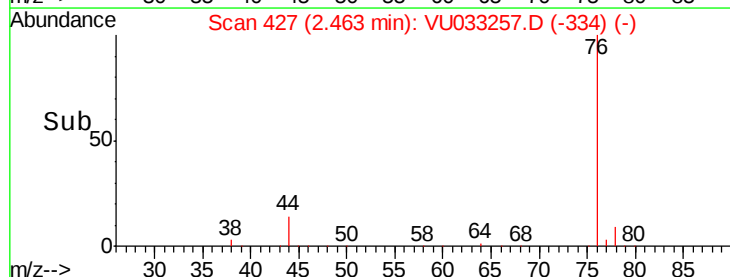
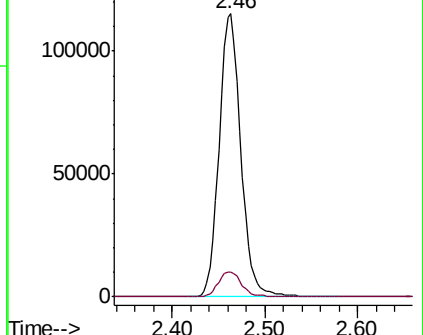
76 100

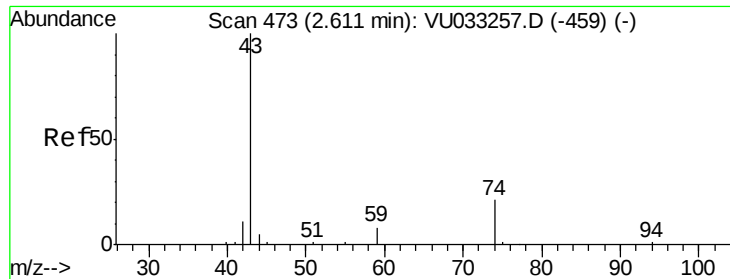
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU033257.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033257.D (-413) (-)

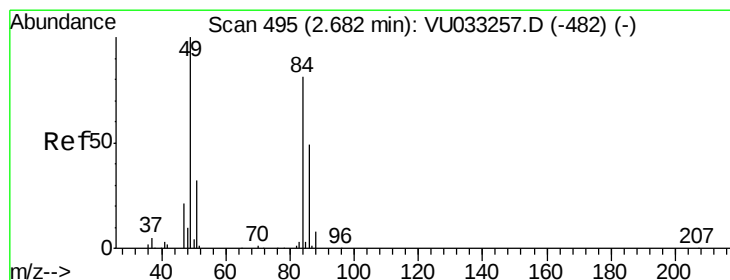
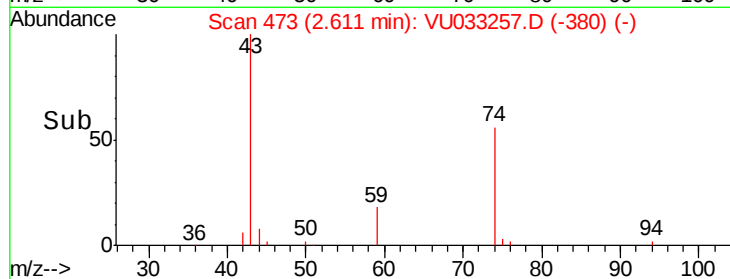
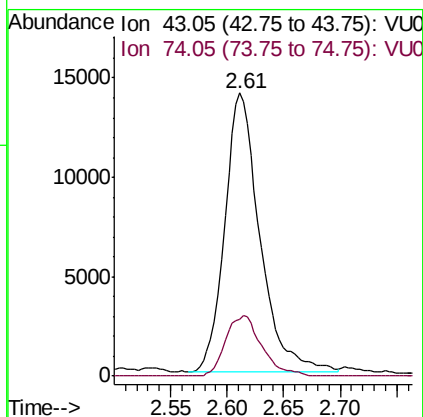
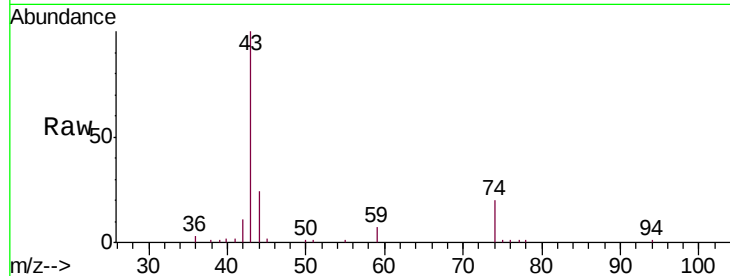




#15
Methyl Acetate
Concen: 5.435 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

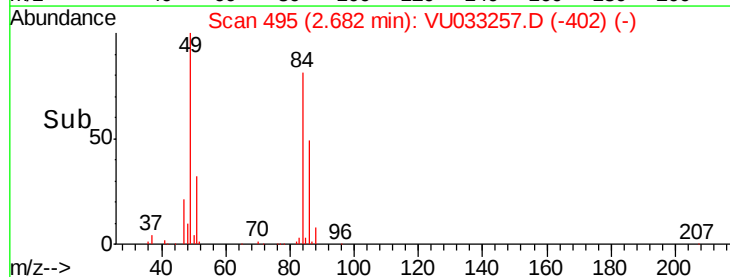
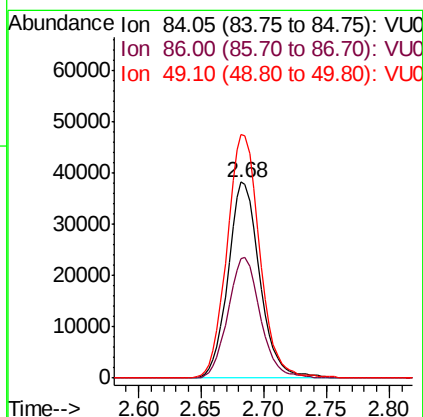
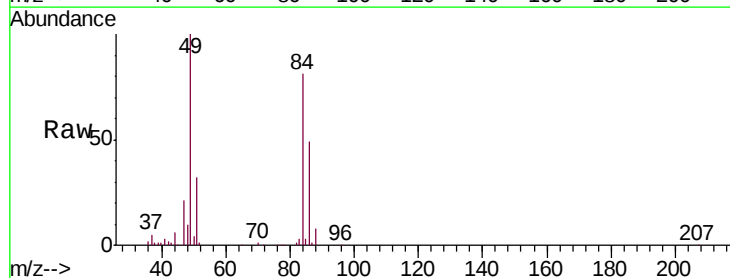
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

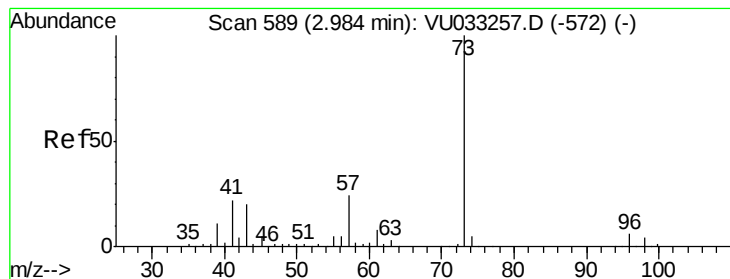
Tgt Ion: 43 Resp: 30300
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



#16
Methylene chloride
Concen: 6.103 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion: 84 Resp: 67186
Ion Ratio Lower Upper
84 100
86 60.7 42.5 78.9
49 124.1 86.9 161.3





#17

Methyl tert-butyl Ether

Concen: 5.755 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

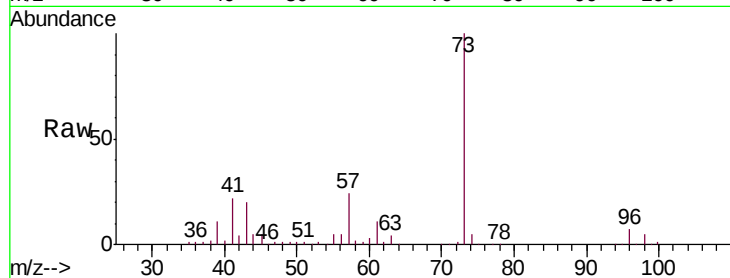
Tgt Ion: 73 Resp: 153429

Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

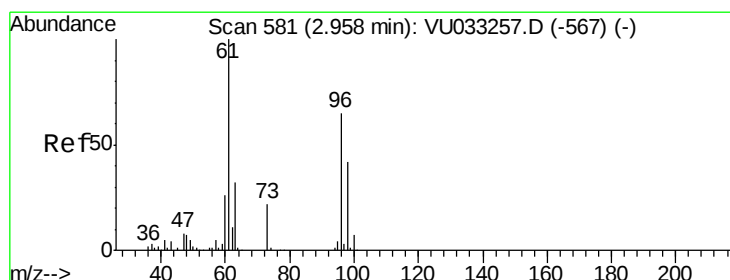
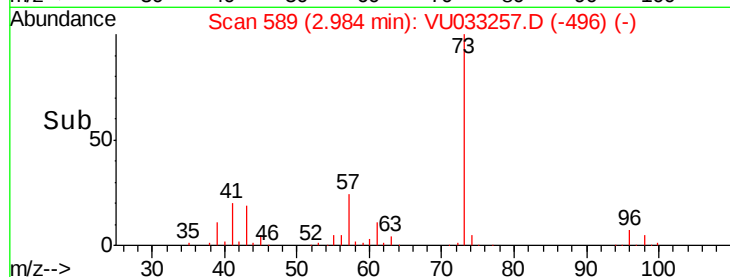
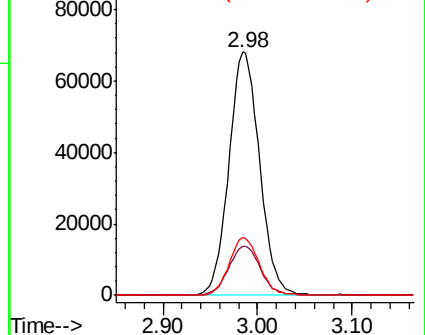
57 23.3 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU033257.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU033257.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU033257.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 6.038 ug/L

RT: 2.96 min Scan# 581

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

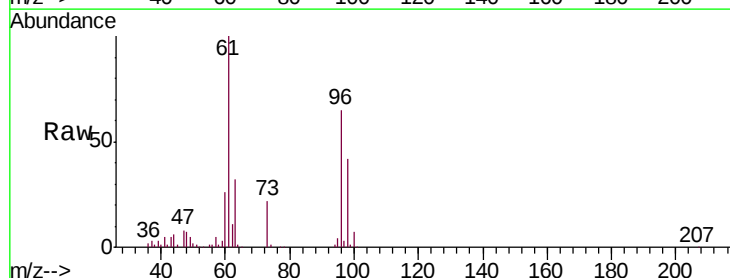
Tgt Ion: 96 Resp: 62178

Ion Ratio Lower Upper

96 100

61 153.0 107.1 198.9

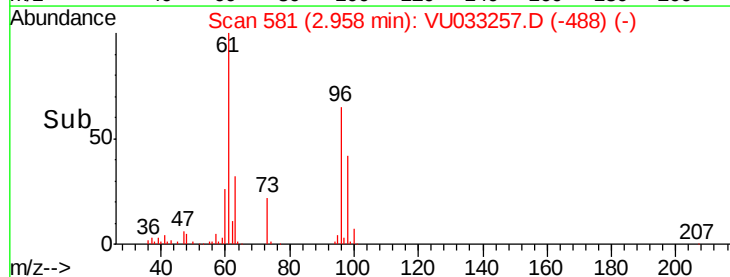
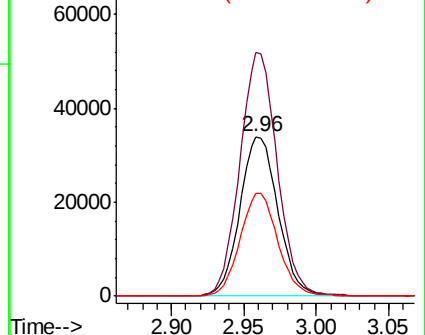
98 64.9 45.4 84.4

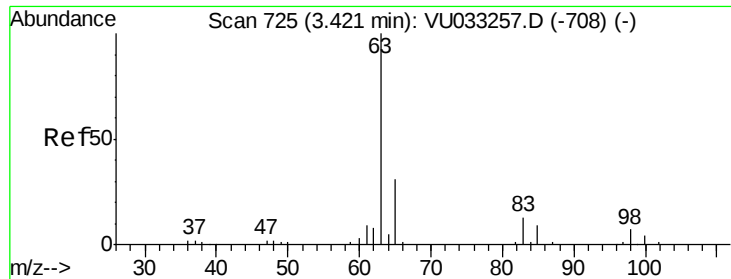


Abundance Ion 96.00 (95.70 to 96.70): VU033257.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033257.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033257.D (-567) (-)





#19

1,1-Dichloroethane

Concen: 4.893 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

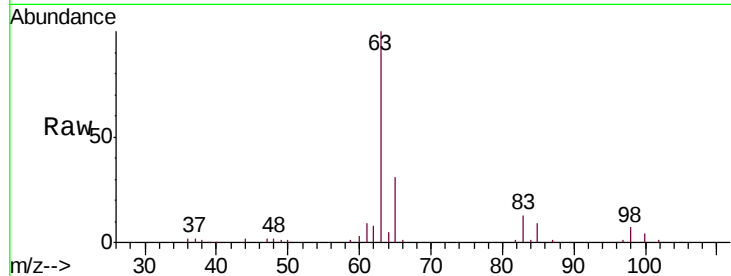
Tgt Ion: 63 Resp: 95227

Ion Ratio Lower Upper

63 100

65 31.0 21.7 40.3

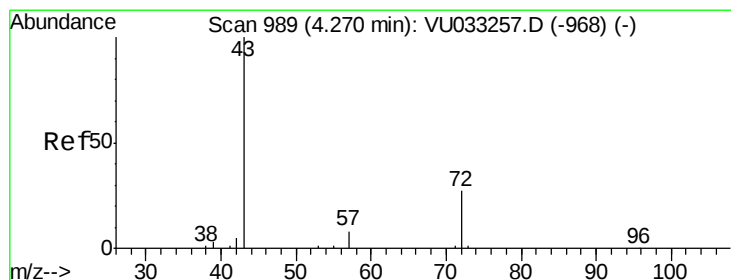
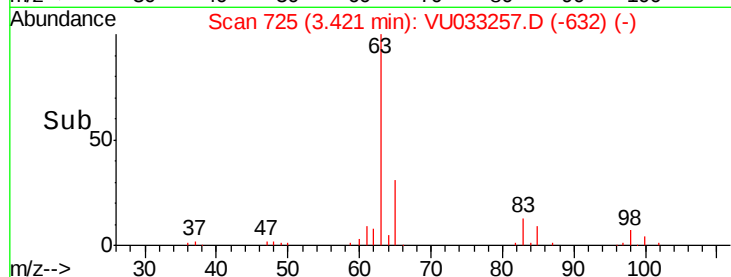
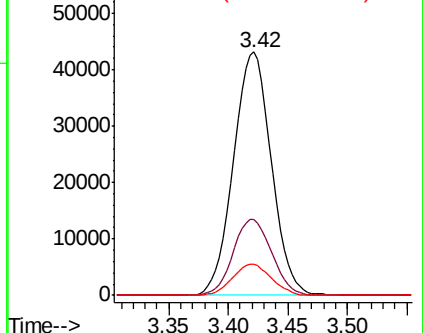
83 12.9 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU033257.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU033257.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU033257.D (-708) (-)



#21

2-Butanone

Concen: 43.781 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU033257.D

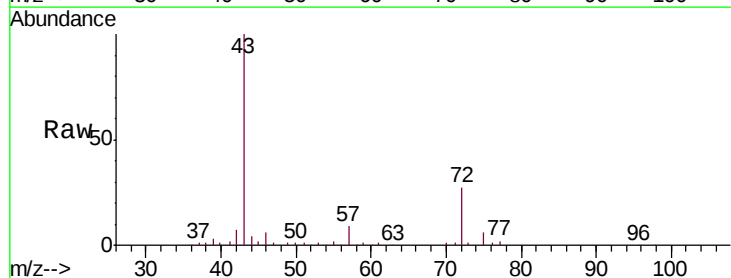
Acq: 16 Jul 2019 10:03

Tgt Ion: 43 Resp: 140250

Ion Ratio Lower Upper

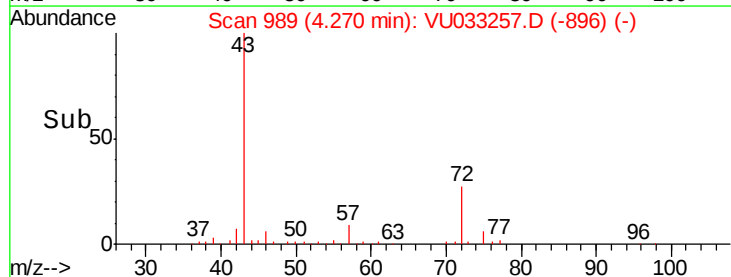
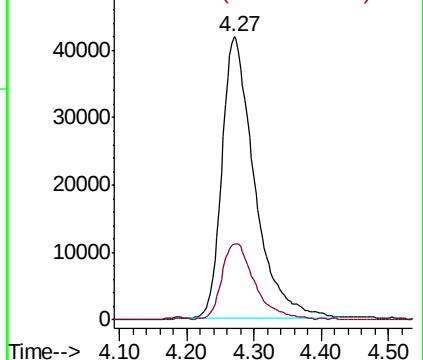
43 100

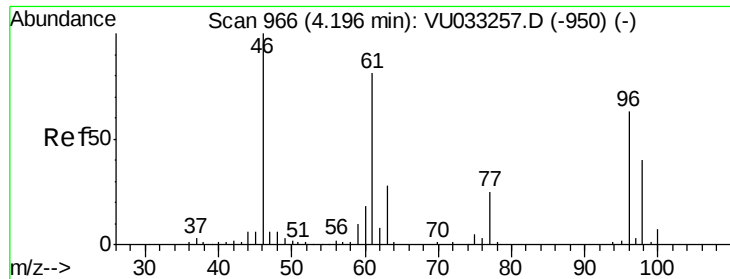
72 26.9 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU033257.D (-968) (-)

Ion 72.10 (71.80 to 72.80): VU033257.D (-968) (-)



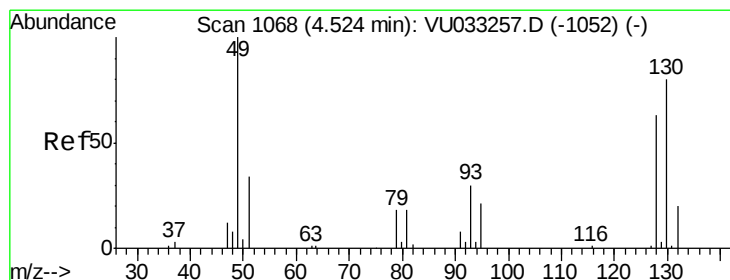
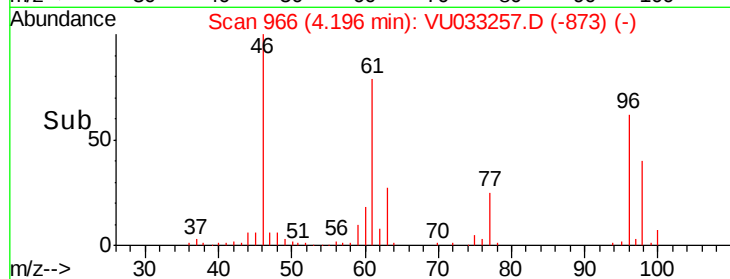
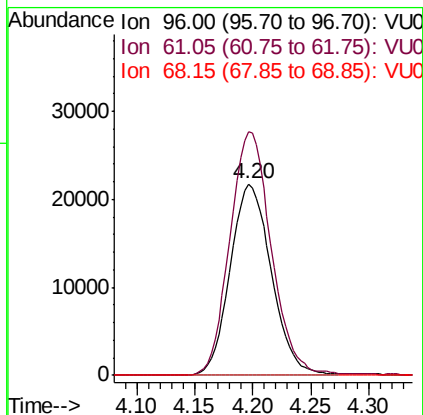
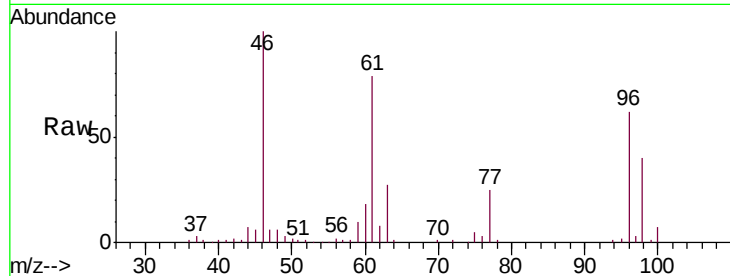


#22

cis-1,2-Dichloroethene
Concen: 5.003 ug/L
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

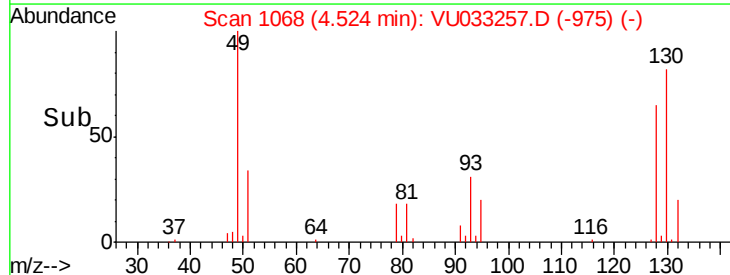
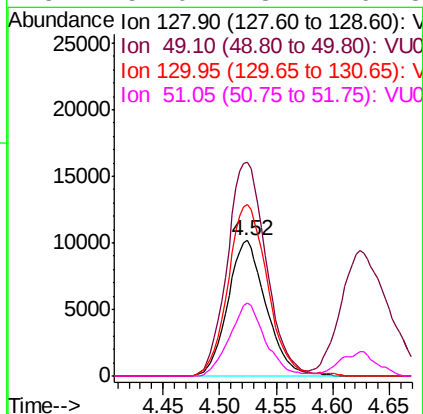
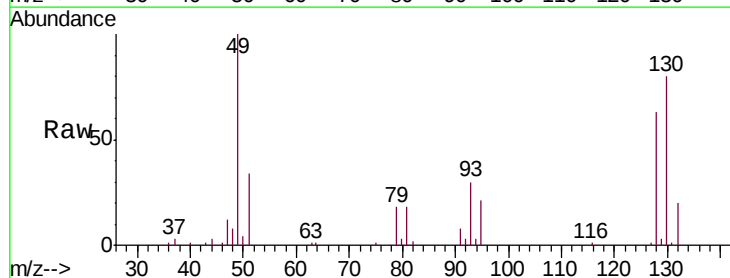
Tgt Ion: 96 Resp: 53537
Ion Ratio Lower Upper
96 100
61 127.4 89.2 165.6
68 0.0 0.0 0.0

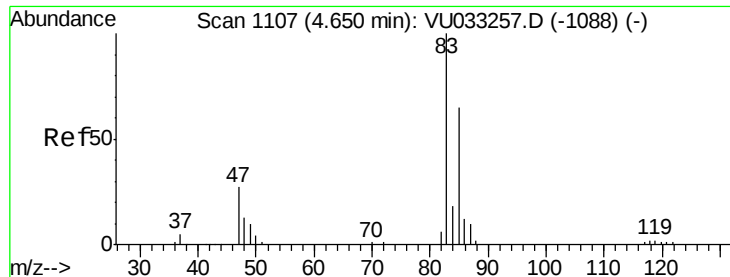


#23

Bromochloromethane
Concen: 4.842 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion: 128 Resp: 23977
Ion Ratio Lower Upper
128 100
49 157.9 110.5 205.3
130 126.6 88.6 164.6
51 54.0 43.2 64.8

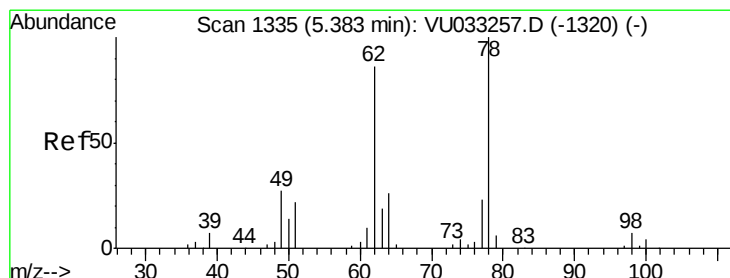
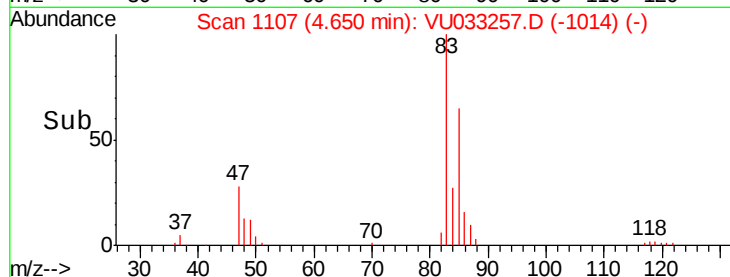
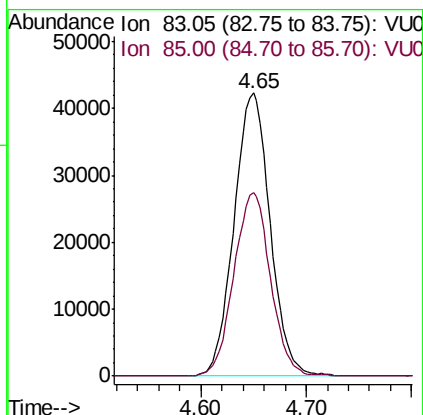
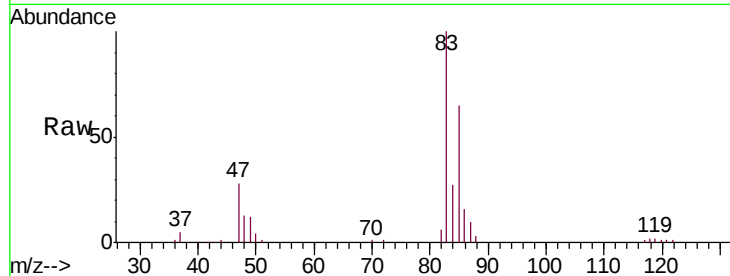




#25
Chloroform
Concen: 4.675 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

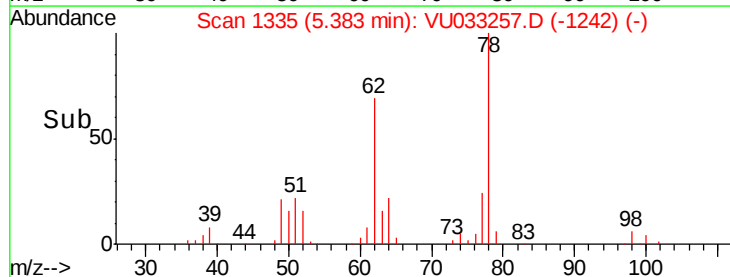
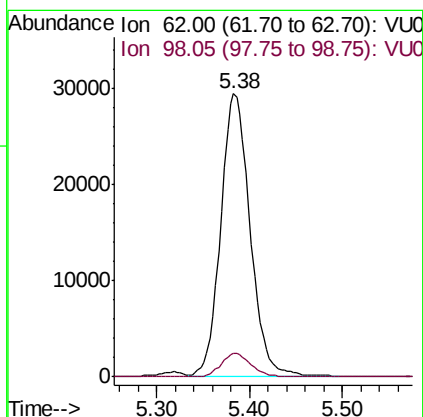
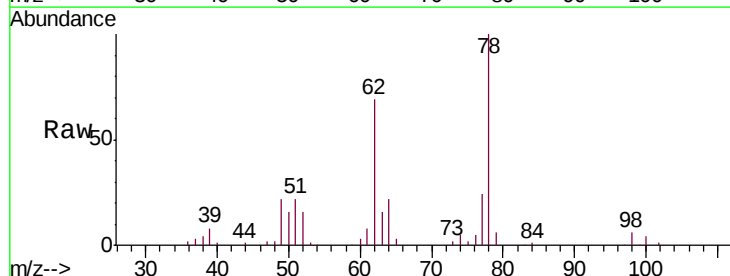
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

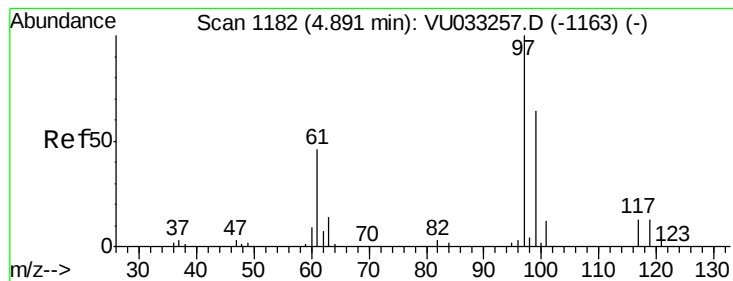
Tgt Ion: 83 Resp: 100515
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.711 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion: 62 Resp: 65073
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.651 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

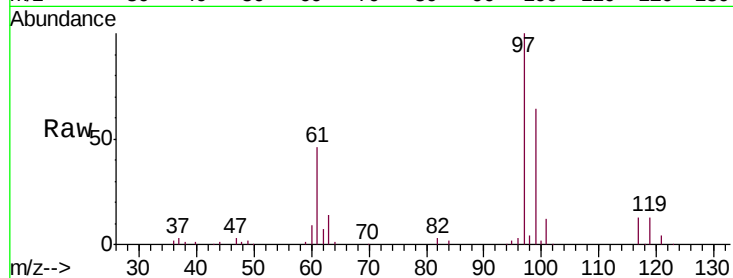
Tgt Ion: 97 Resp: 83500

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

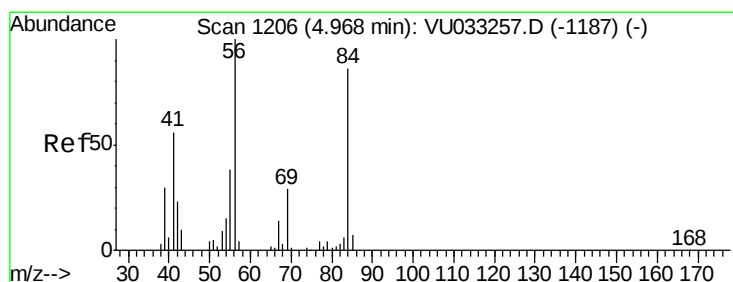
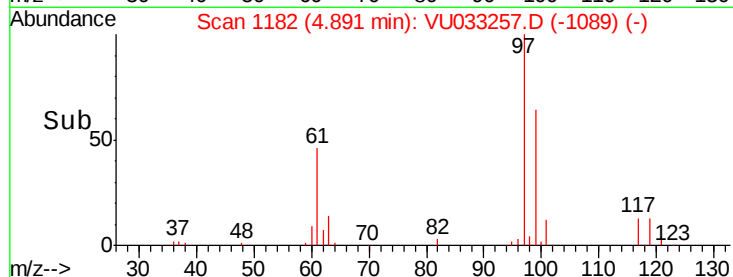
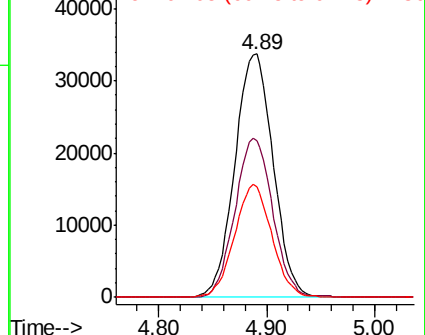
61 45.3 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU033257.D (-1163) (-)

Ion 99.05 (98.75 to 99.75): VU033257.D (-1163) (-)

Ion 61.05 (60.75 to 61.75): VU033257.D (-1163) (-)



#30

Cyclohexane

Concen: 4.498 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

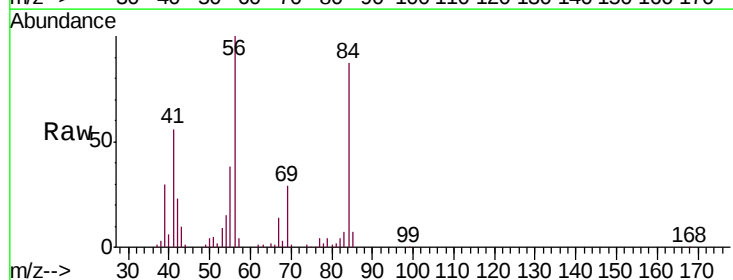
Tgt Ion: 56 Resp: 73300

Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

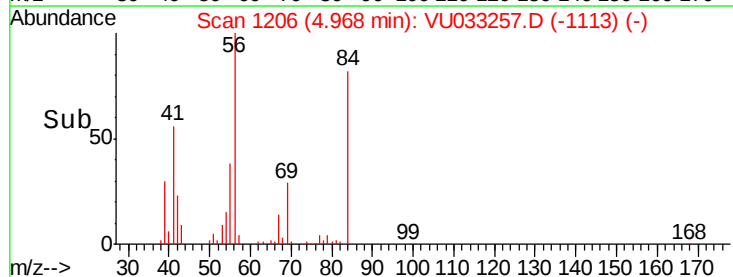
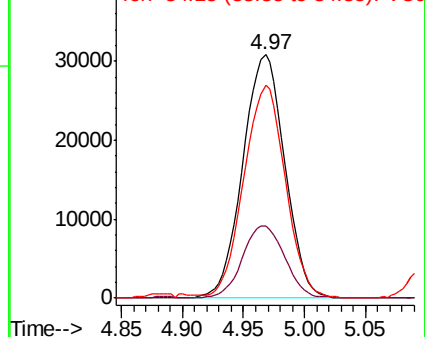
84 86.9 69.5 104.3

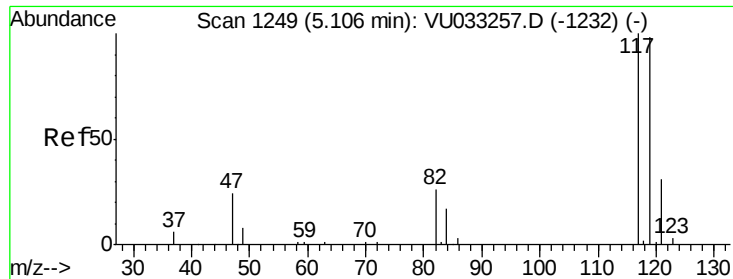


Abundance Ion 56.10 (55.80 to 56.80): VU033257.D (-1187) (-)

Ion 69.15 (68.85 to 69.85): VU033257.D (-1187) (-)

Ion 84.15 (83.85 to 84.85): VU033257.D (-1187) (-)





#31

Carbon tetrachloride

Concen: 4.536 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

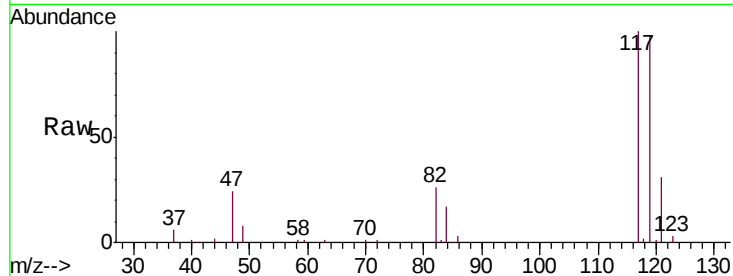
VSTD00505

Tgt Ion:117 Resp: 72819

Ion Ratio Lower Upper

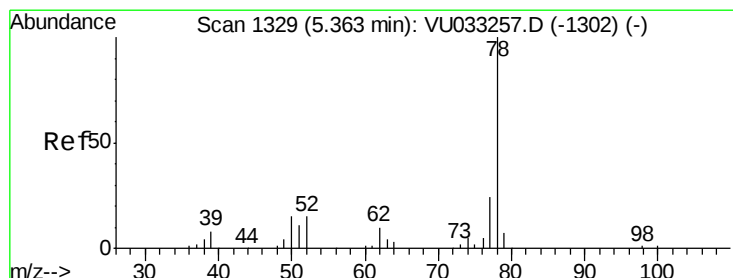
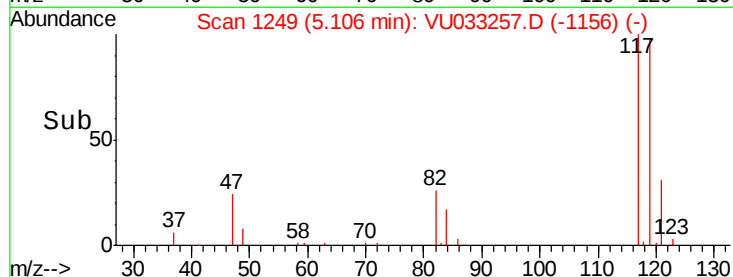
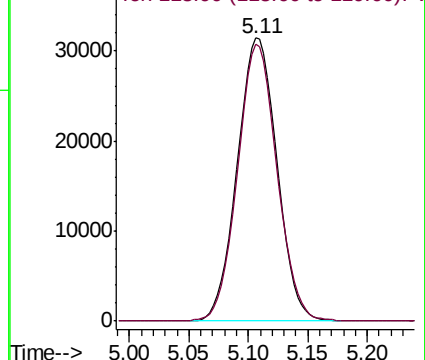
117 100

119 96.9 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.959 ug/L

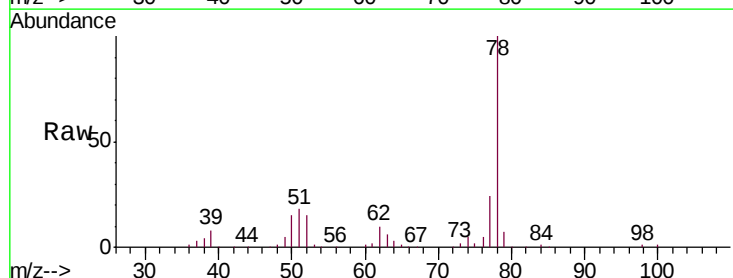
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

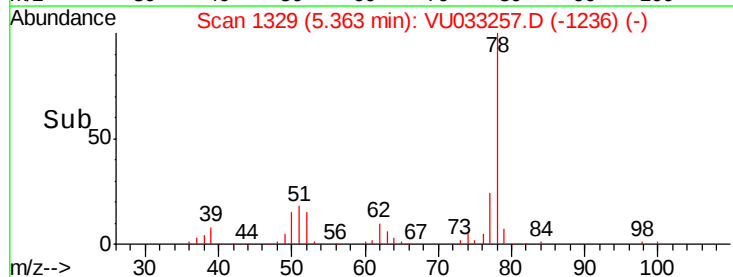
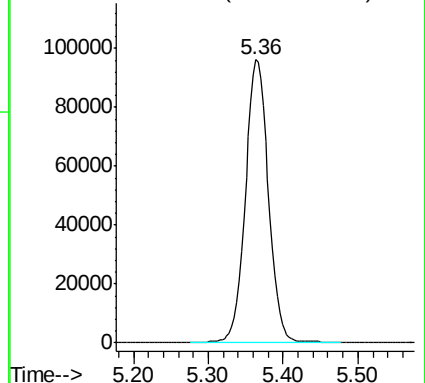
Lab File: VU033257.D

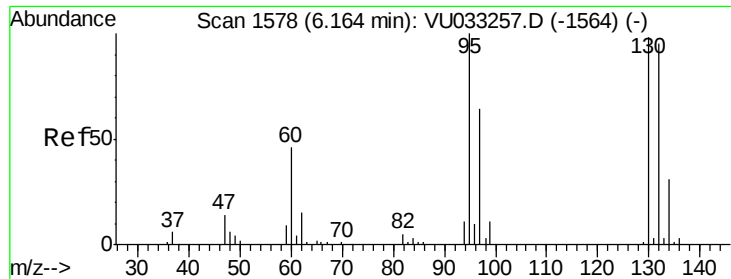
Acq: 16 Jul 2019 10:03

Tgt Ion: 78 Resp: 206270



Abundance Ion 78.10 (77.80 to 78.80): VU0

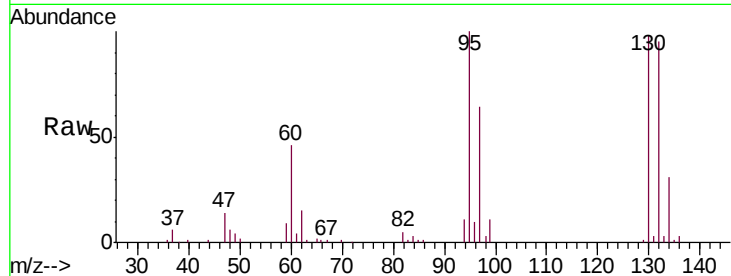




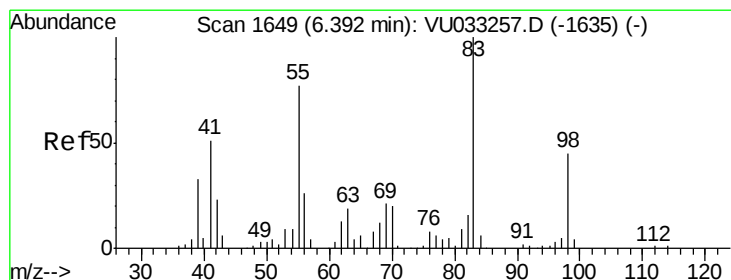
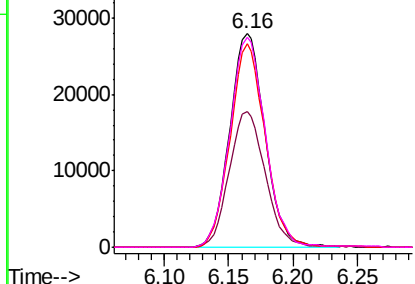
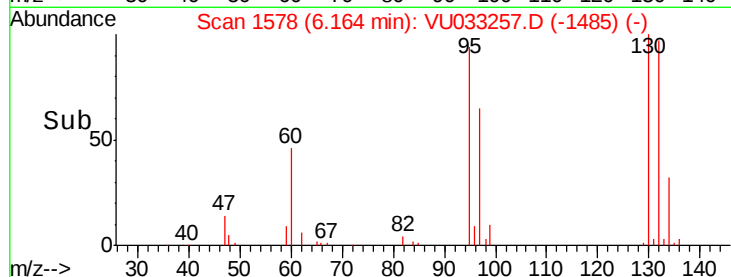
#34
 Trichloroethene
 Concen: 4.739 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 95 Resp: 53216
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.5 82.7
 132 95.2 66.6 123.8
 130 98.4 68.9 127.9

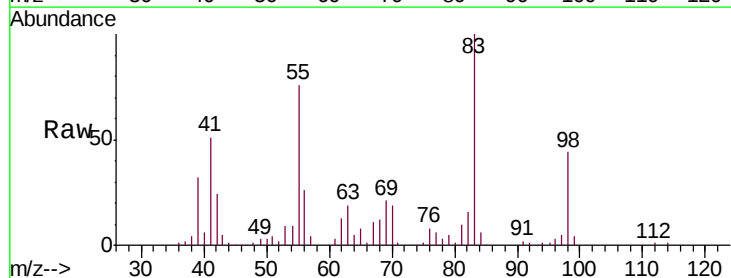


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

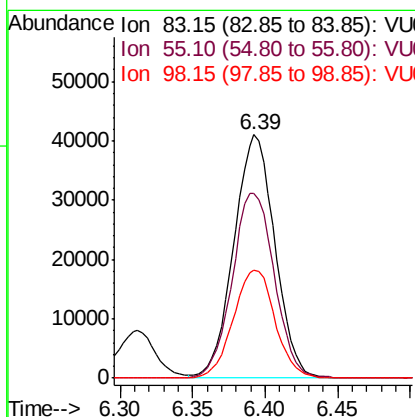
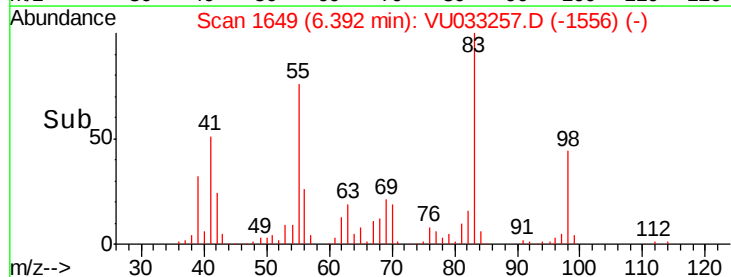


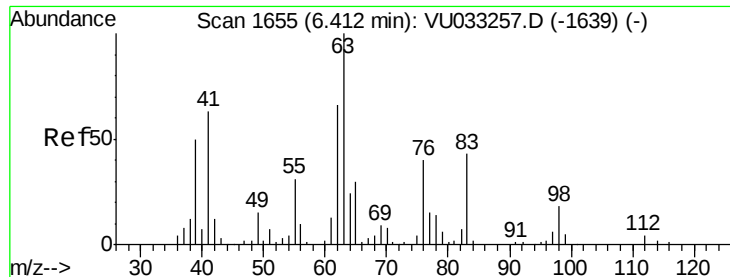
#35
 Methylcyclohexane
 Concen: 4.806 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Tgt Ion: 83 Resp: 80603
 Ion Ratio Lower Upper
 83 100
 55 78.3 62.6 94.0
 98 45.2 36.2 54.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

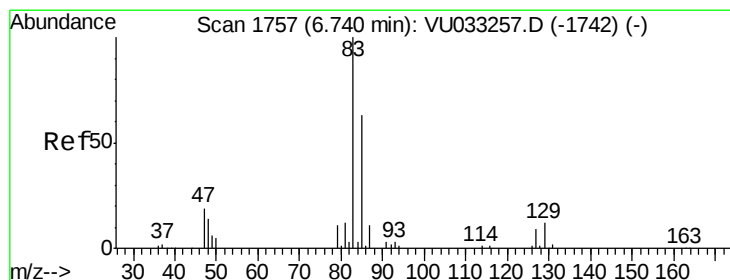
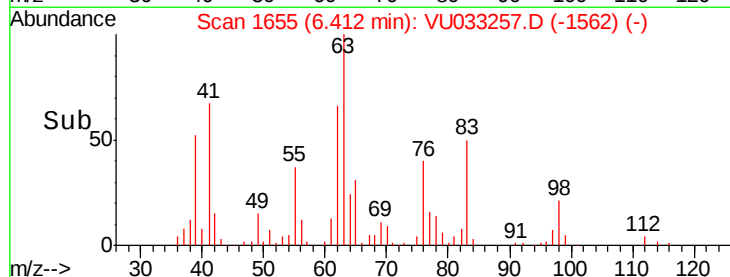
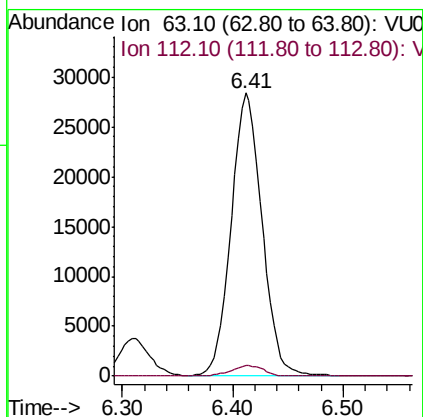
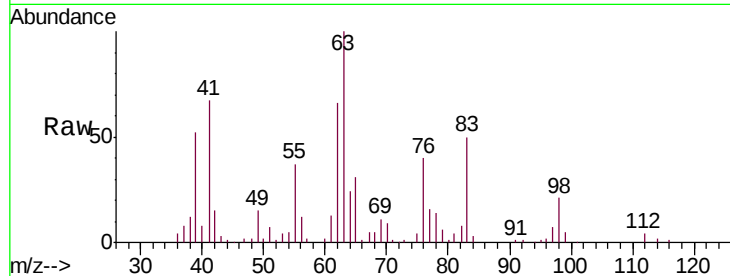




#37
 1,2-Dichloropropane
 Concen: 4.852 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

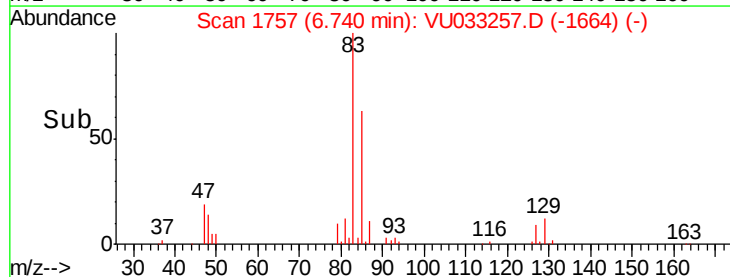
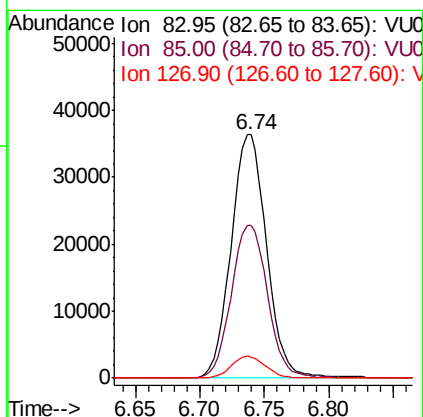
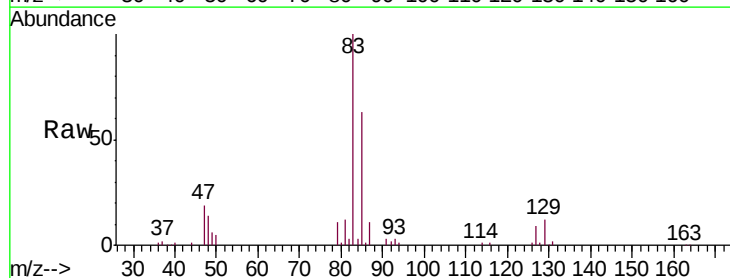
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

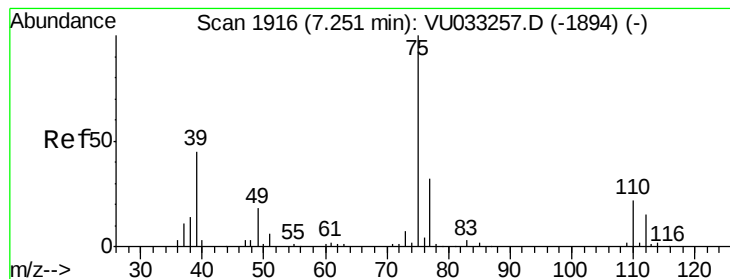
Tgt Ion: 63 Resp: 55235
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.697 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Tgt Ion: 83 Resp: 69552
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.8
 127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.843 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

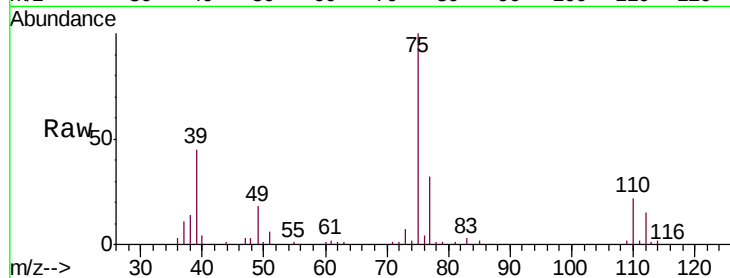
VSTD00505

Tgt Ion: 75 Resp: 77761

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

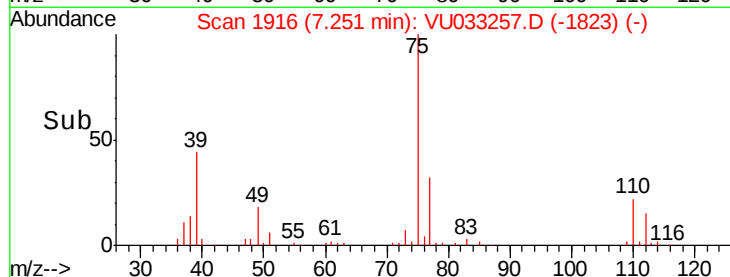


Abundance Ion 75.05 (74.75 to 75.75): VU033257.D (-1894) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-1894) (-)

7.25

Time-->



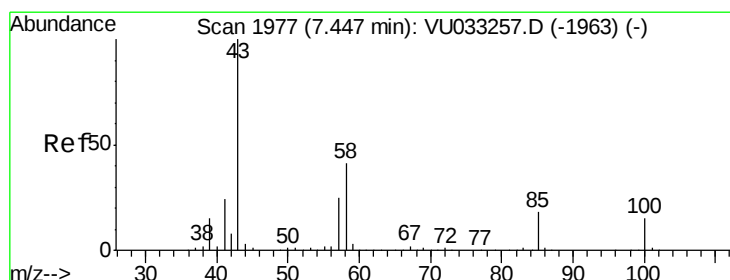
Abundance

Ion 75.05 (74.75 to 75.75): VU033257.D (-1894) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-1894) (-)

7.25

Time-->



#40

4-Methyl-2-pentanone

Concen: 42.539 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

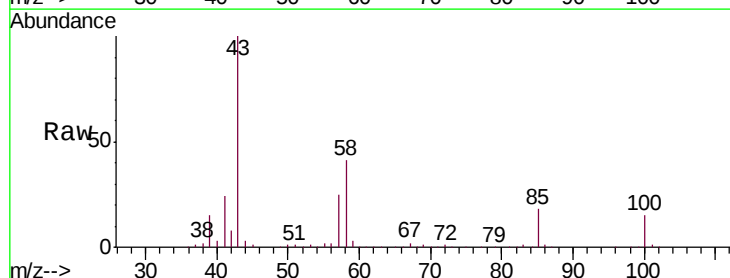
Tgt Ion: 43 Resp: 325717

Ion Ratio Lower Upper

43 100

58 40.5 32.4 48.6

100 14.9 11.9 17.9



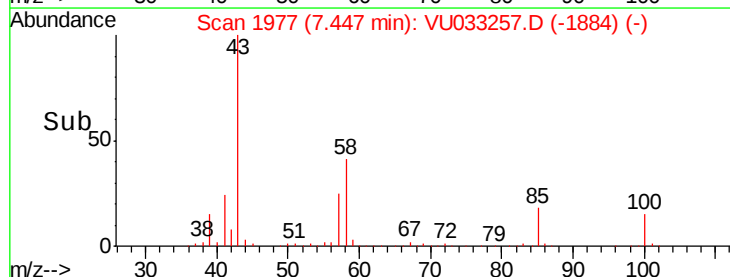
Abundance Ion 43.05 (42.75 to 43.75): VU033257.D (-1963) (-)

Ion 58.05 (57.75 to 58.75): VU033257.D (-1963) (-)

Ion 100.15 (99.85 to 100.85): VU033257.D (-1963) (-)

7.45

Time-->



Abundance

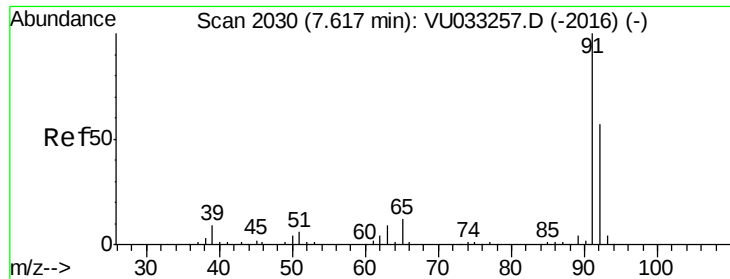
Ion 43.05 (42.75 to 43.75): VU033257.D (-1963) (-)

Ion 58.05 (57.75 to 58.75): VU033257.D (-1963) (-)

Ion 100.15 (99.85 to 100.85): VU033257.D (-1963) (-)

7.45

Time-->



#42

Toluene

Concen: 5.003 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

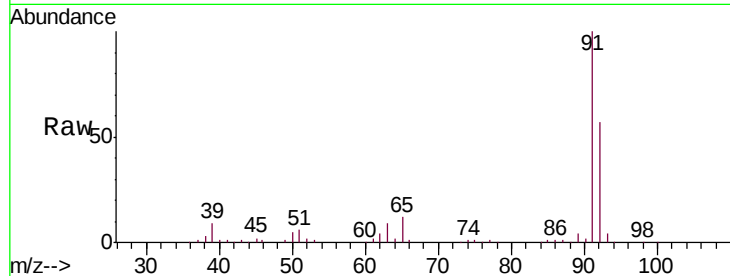
VSTD00505

Tgt Ion: 91 Resp: 223921

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033257.D (-2016) (-)

7.62

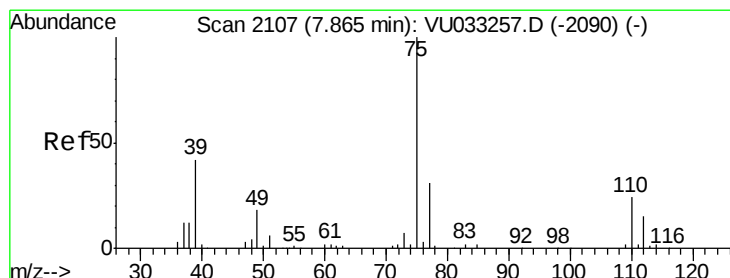
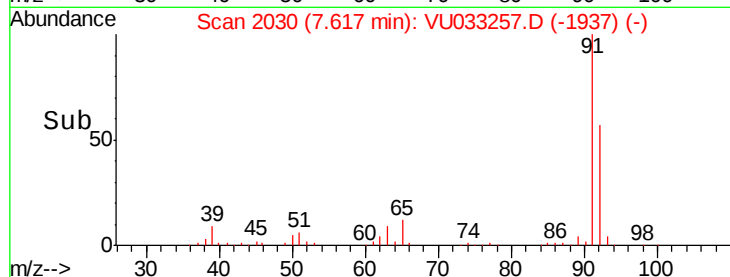
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.847 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033257.D

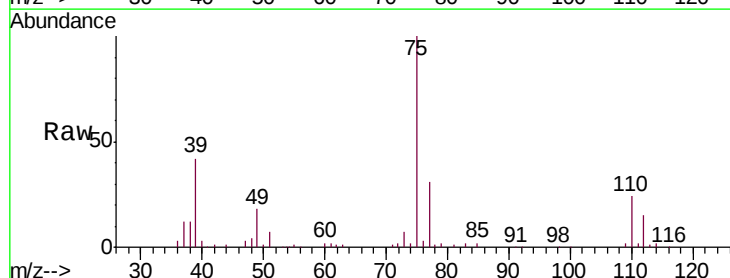
Acq: 16 Jul 2019 10:03

Tgt Ion: 75 Resp: 64861

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU033257.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-2090) (-)

7.86

40000

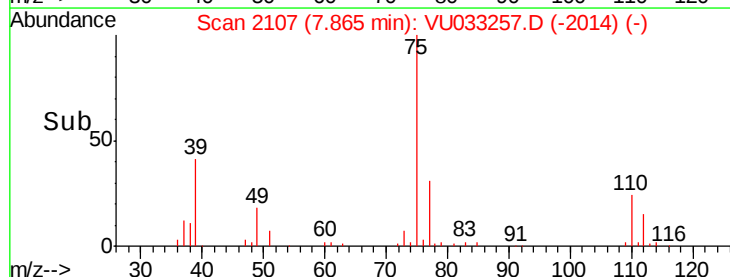
30000

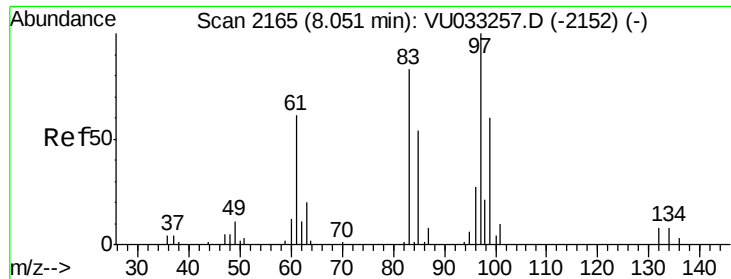
20000

10000

0

Time-->

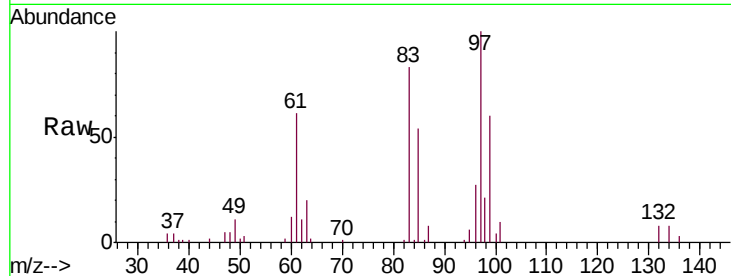




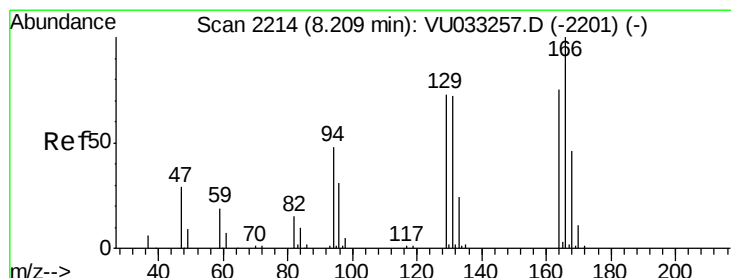
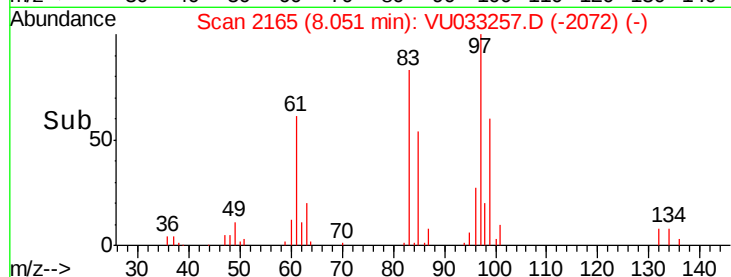
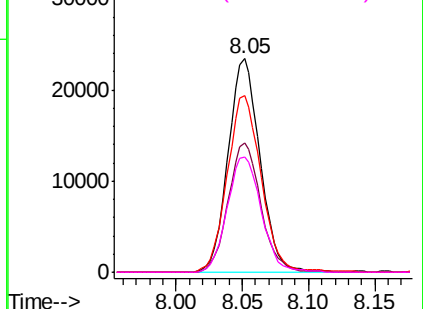
#45
 1,1,2-Trichloroethane
 Concen: 4.900 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:	97	Resp:	39189
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.3	78.5
83	82.8	58.0	107.6
85	54.0	37.8	70.2

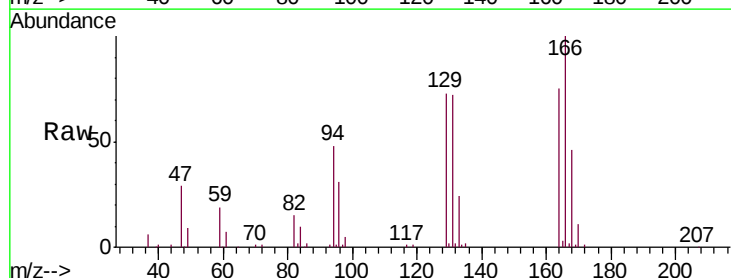


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

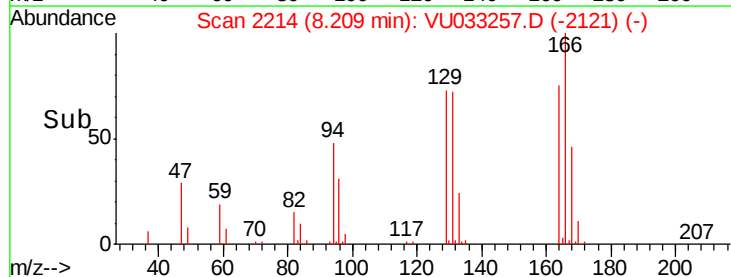
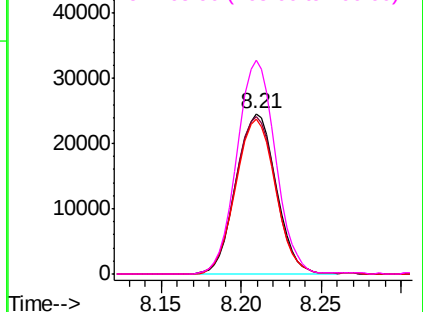


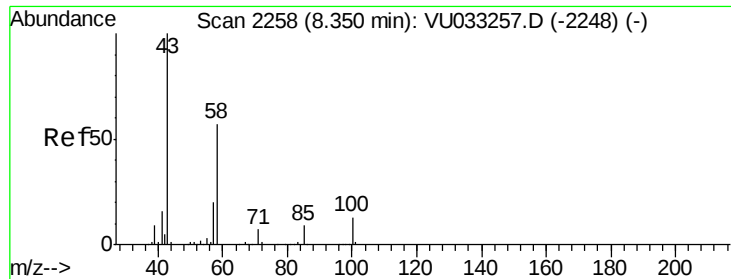
#47
 Tetrachloroethene
 Concen: 4.543 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Tgt Ion:	164	Resp:	42017
Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.5	127.1
131	96.1	67.3	124.9
166	133.0	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

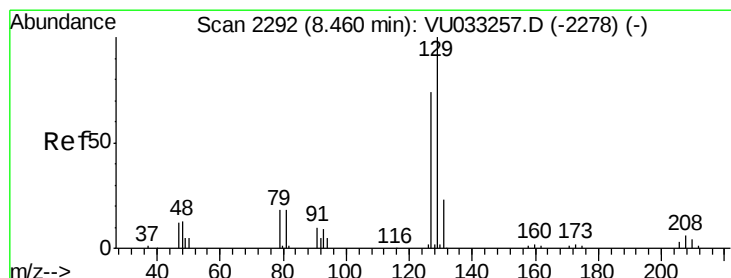
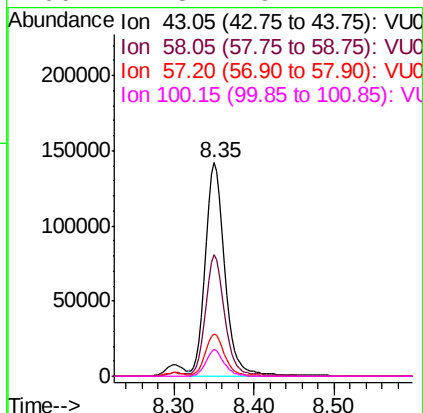
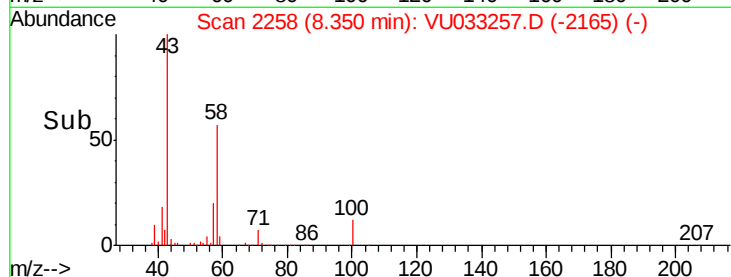
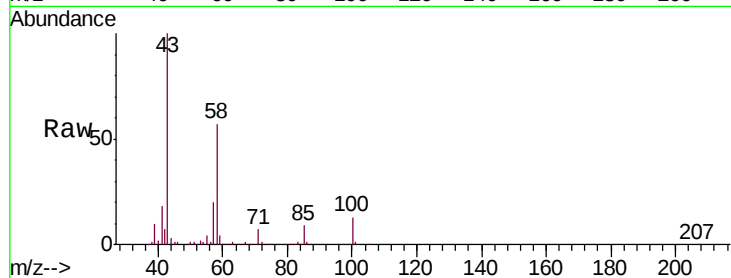




#48
2-Hexanone
Concen: 43.338 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

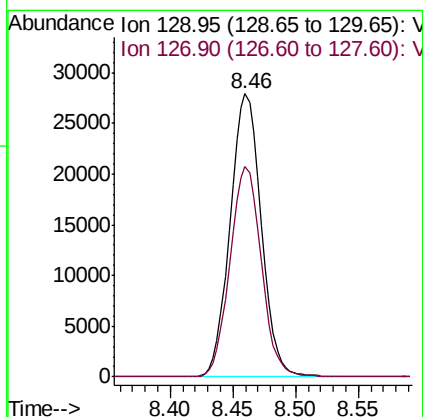
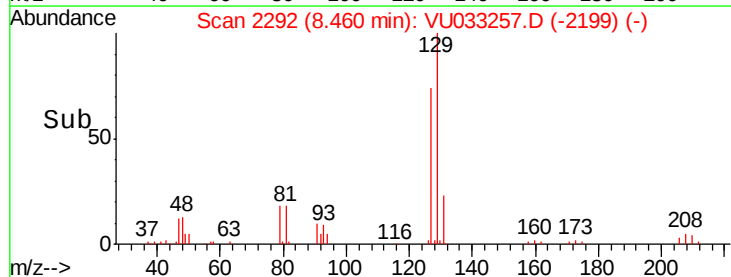
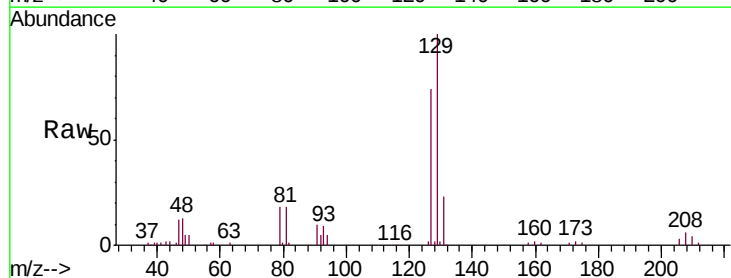
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

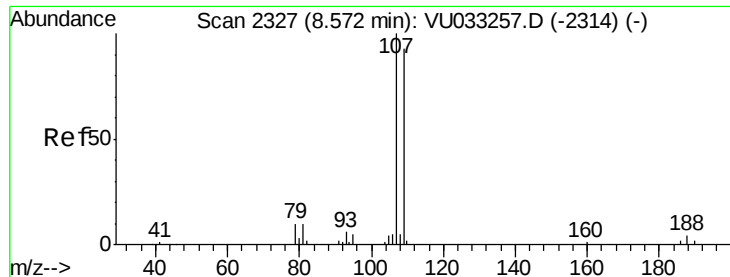
Tgt Ion: 43 Resp: 242008
Ion Ratio Lower Upper
43 100
58 55.1 44.1 66.1
57 19.8 15.8 23.8
100 11.8 9.4 14.2



#49
Dibromochloromethane
Concen: 4.809 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion: 129 Resp: 48246
Ion Ratio Lower Upper
129 100
127 74.2 51.9 96.5

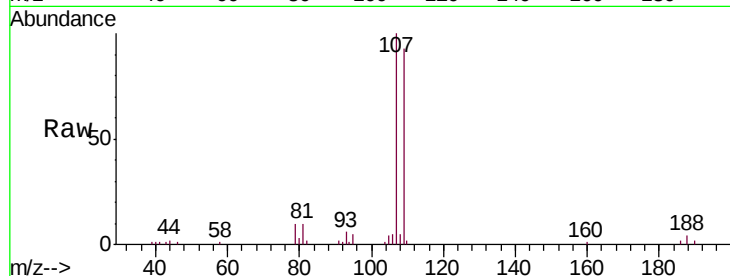




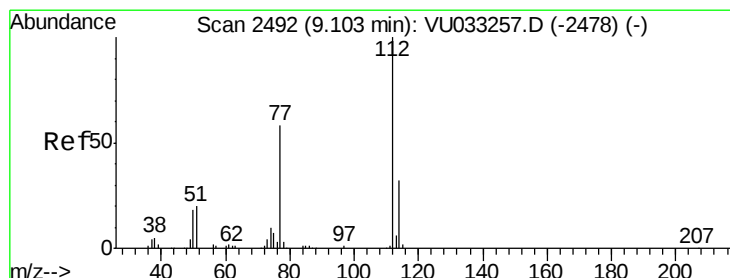
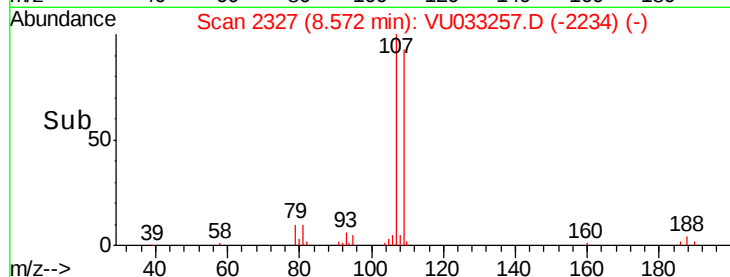
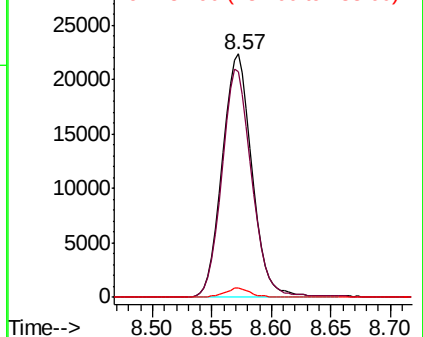
#50
1,2-Dibromoethane
Concen: 5.054 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:107 Resp: 38793
Ion Ratio Lower Upper
107 100
109 92.6 64.8 120.4
188 3.8 3.0 4.6

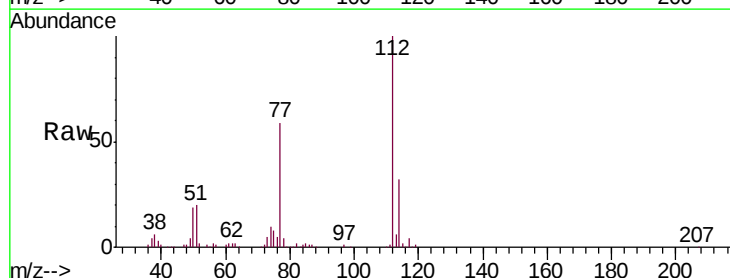


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

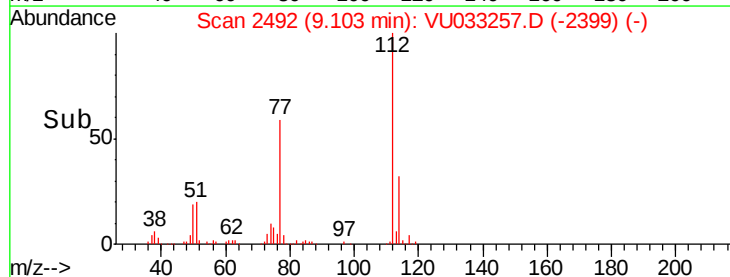
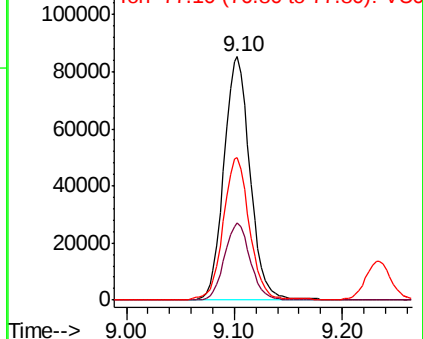


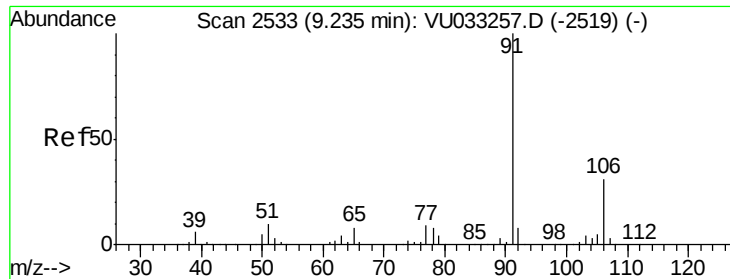
#51
Chlorobenzene
Concen: 4.869 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033257.D
Acq: 16 Jul 2019 10:03

Tgt Ion:112 Resp: 143792
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 58.6 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.825 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

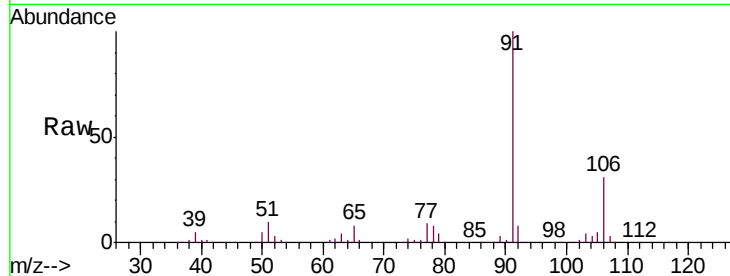
VSTD00505

Tgt Ion: 91 Resp: 236153

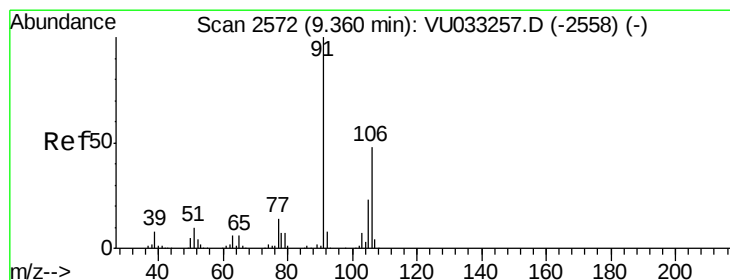
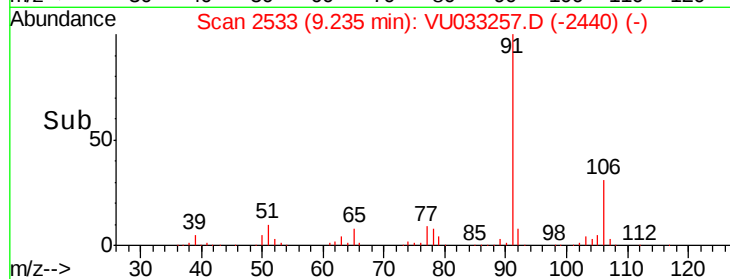
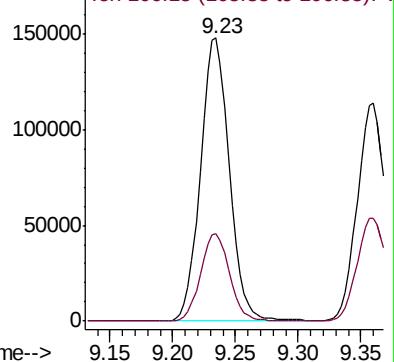
Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2519) (-)



#53

m,p-Xylene

Concen: 5.076 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033257.D

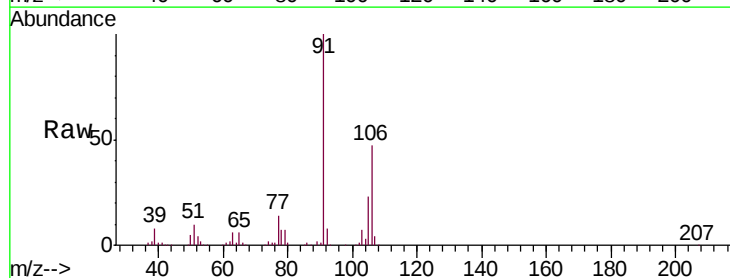
Acq: 16 Jul 2019 10:03

Tgt Ion: 106 Resp: 91395

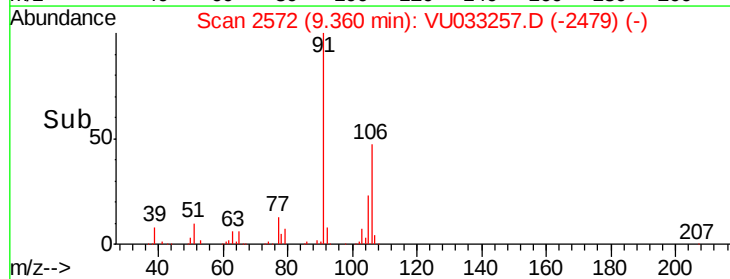
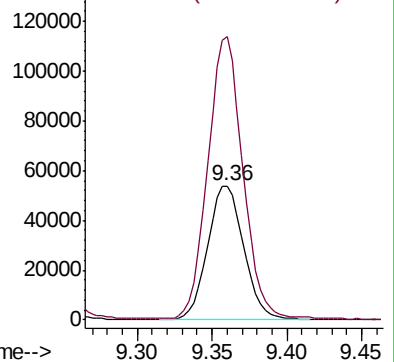
Ion Ratio Lower Upper

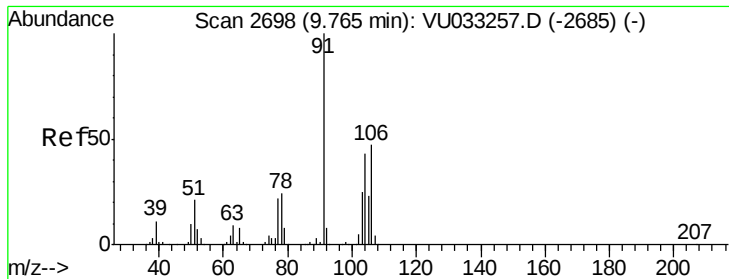
106 100

91 210.8 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU033257.D (-2558) (-)





#54

o-Xylene

Concen: 4.974 ug/L

RT: 9.77 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

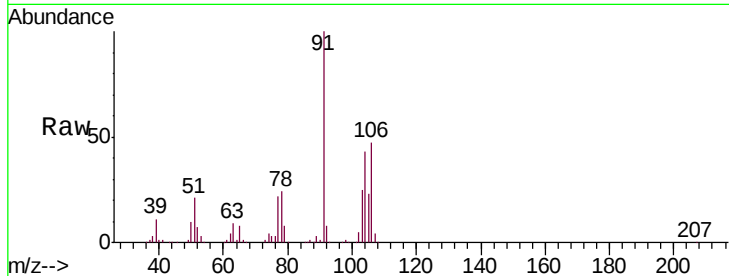
VSTD00505

Tgt Ion:106 Resp: 87128

Ion Ratio Lower Upper

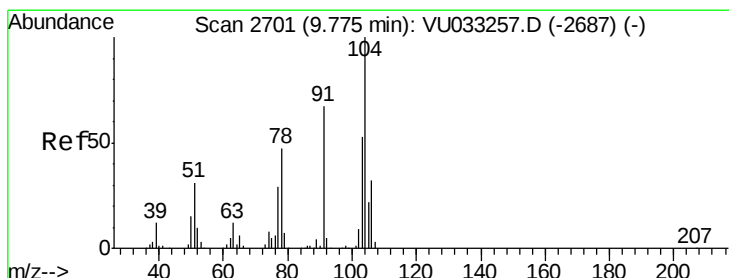
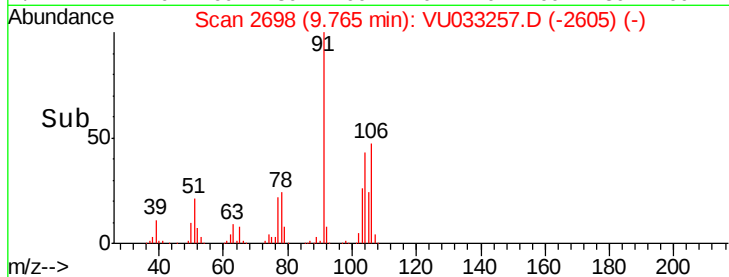
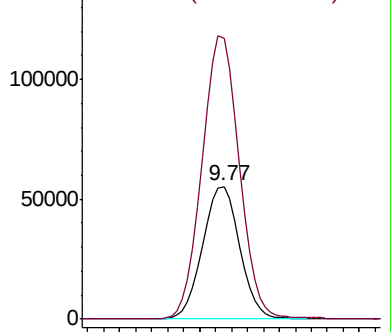
106 100

91 212.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 5.138 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033257.D

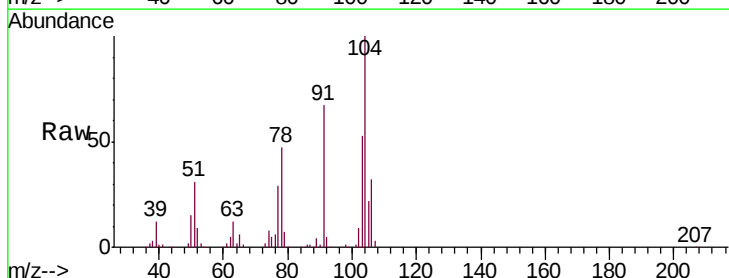
Acq: 16 Jul 2019 10:03

Tgt Ion:104 Resp: 152600

Ion Ratio Lower Upper

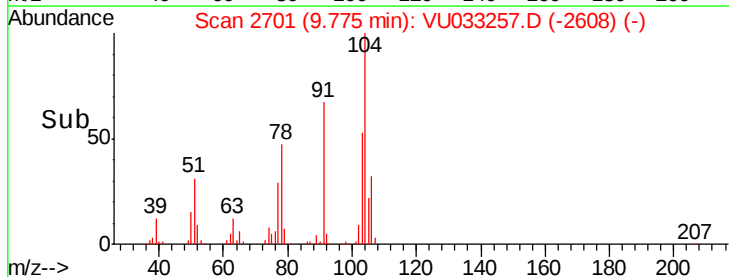
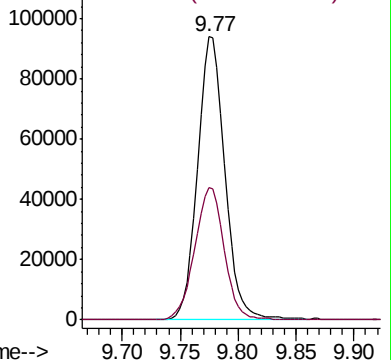
104 100

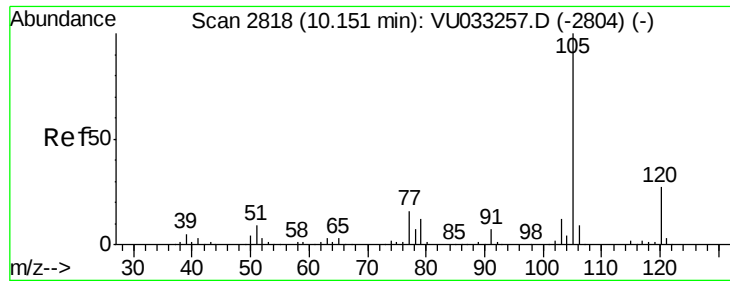
78 46.8 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 4.878 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

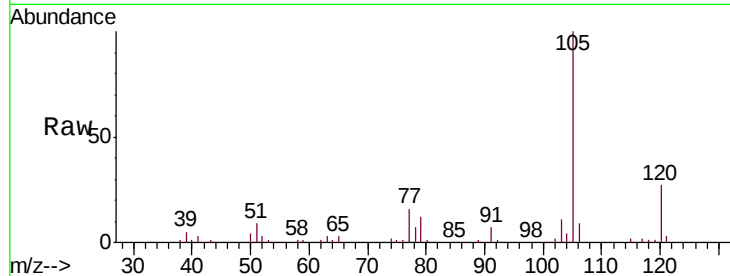
Tgt Ion: 105 Resp: 228091

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

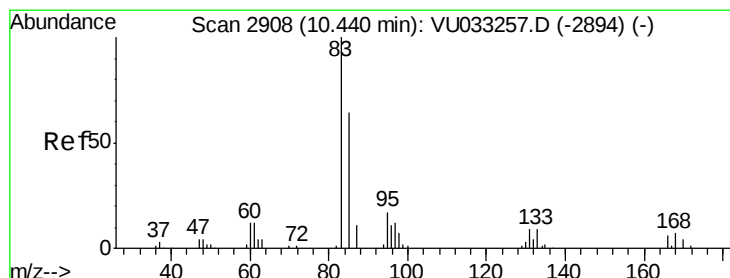
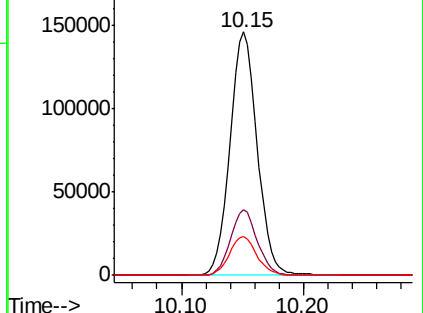
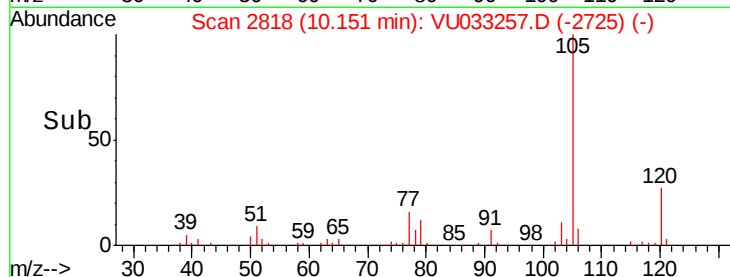
77 16.2 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.975 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

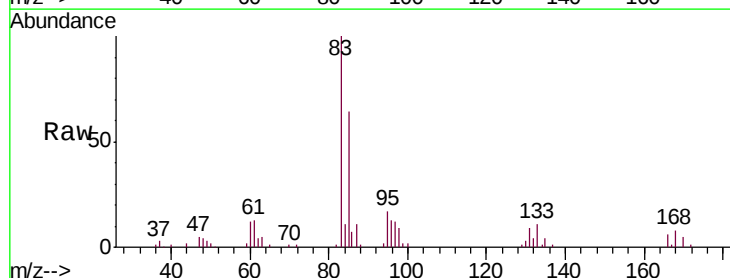
Tgt Ion: 83 Resp: 51047

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

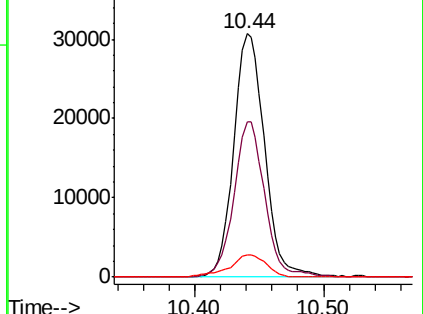
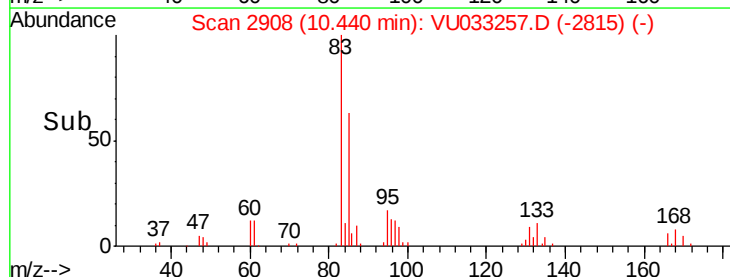
131 9.3 7.4 11.2

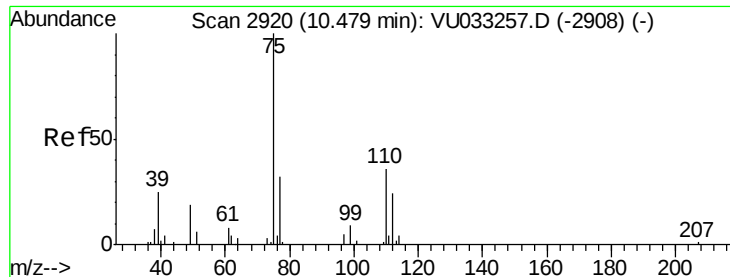


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.685 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

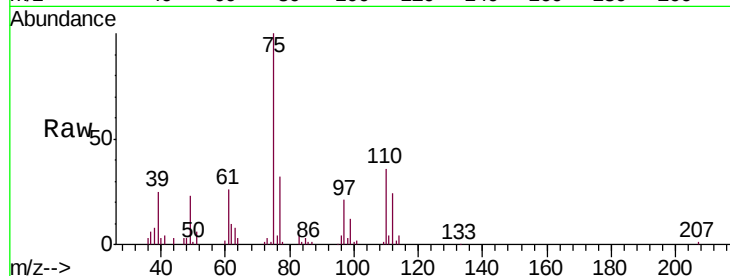
VSTD00505

Tgt Ion: 75 Resp: 36286

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU033257.D (-2908) (-)

Ion 77.00 (76.70 to 77.70): VU033257.D (-2908) (-)

10.48

25000

20000

15000

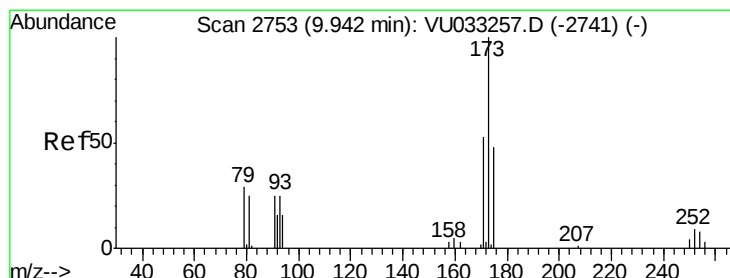
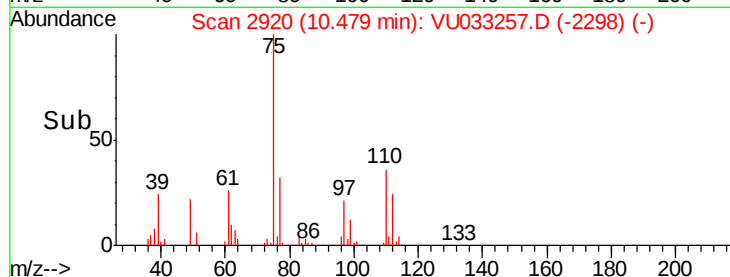
10000

5000

0

Time-->

10.40 10.45 10.50 10.55



#61

Bromoform

Concen: 4.795 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

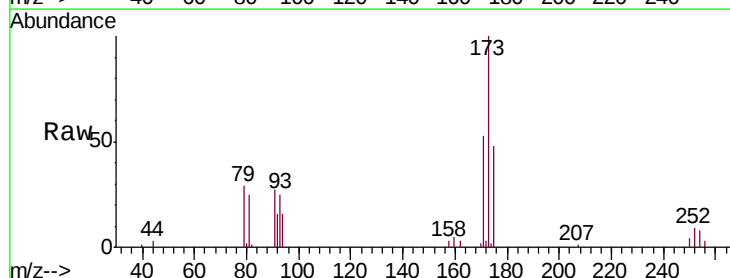
Tgt Ion: 173 Resp: 26172

Ion Ratio Lower Upper

173 100

175 46.5 37.2 55.8

254 8.2 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU033257.D (-2741) (-)

Ion 174.90 (174.60 to 175.60): VU033257.D (-2741) (-)

Ion 253.75 (253.45 to 254.45): VU033257.D (-2741) (-)

9.94

20000

15000

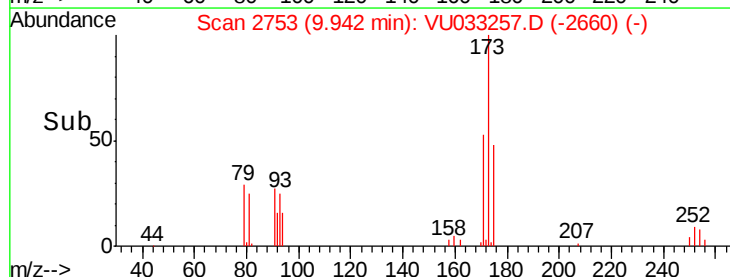
10000

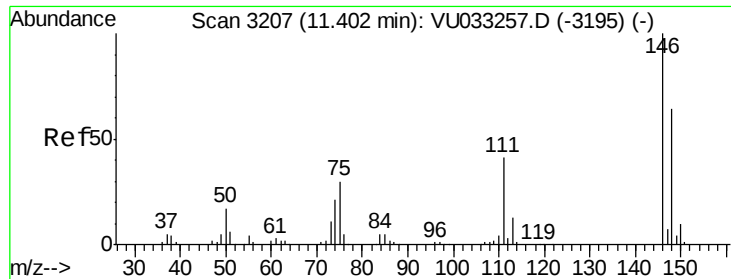
5000

0

Time-->

9.90 9.95 10.00





#62

1,3-Dichlorobenzene

Concen: 4.835 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

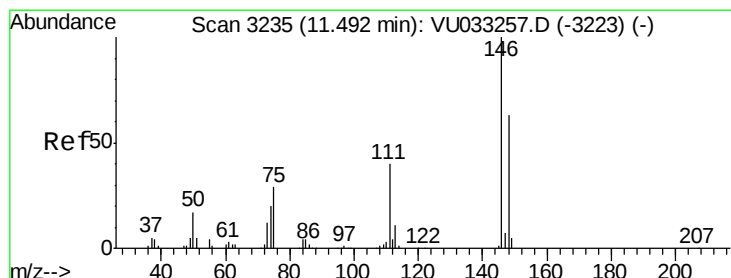
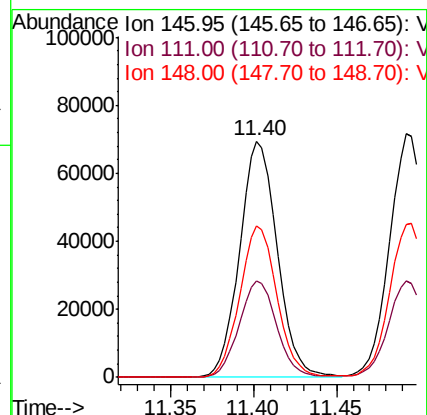
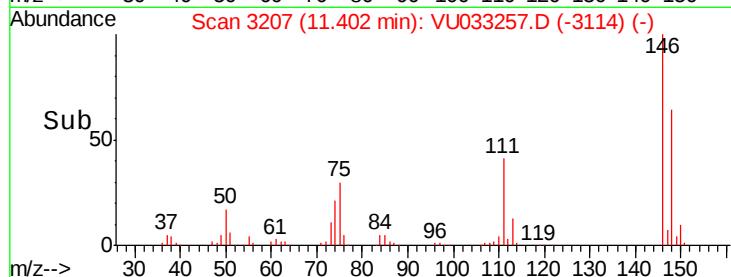
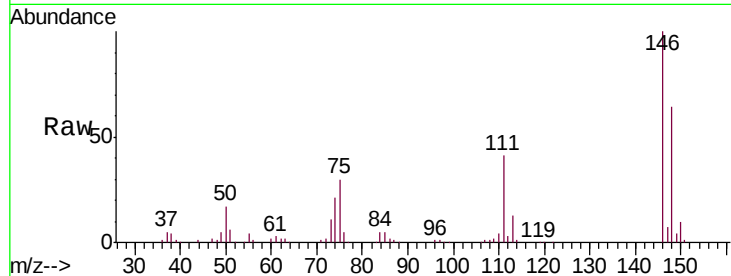
Tgt Ion:146 Resp: 109680

Ion Ratio Lower Upper

146 100

111 40.9 28.6 53.2

148 64.3 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 4.826 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

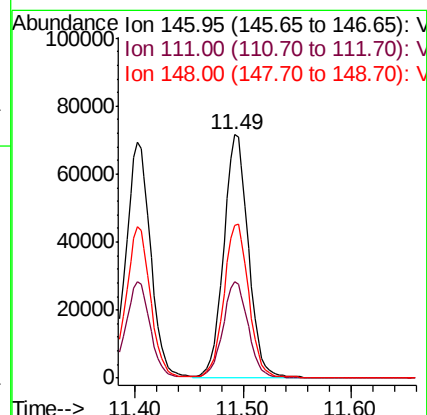
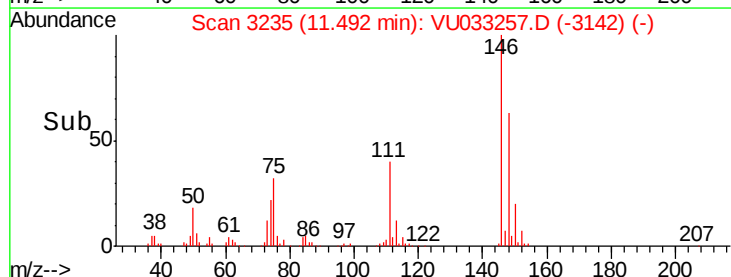
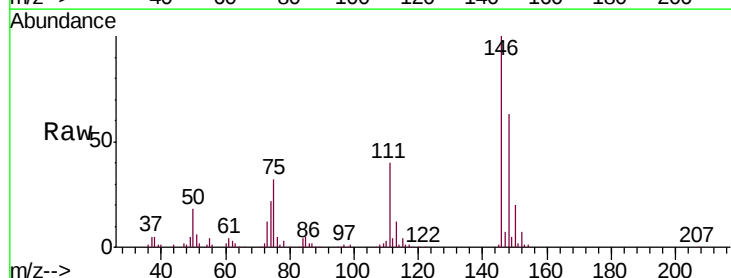
Tgt Ion:146 Resp: 114296

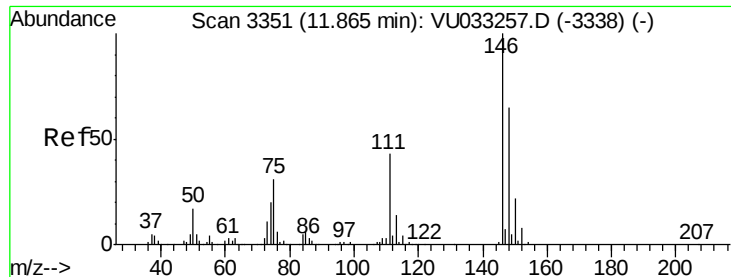
Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

148 63.0 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 4.876 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

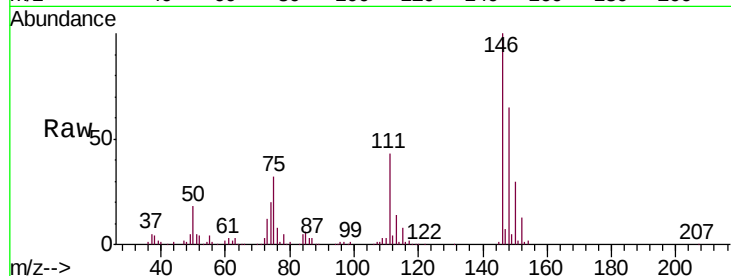
Tgt Ion:146 Resp: 108248

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.4

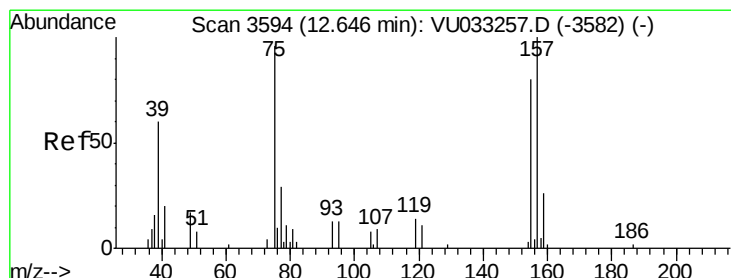
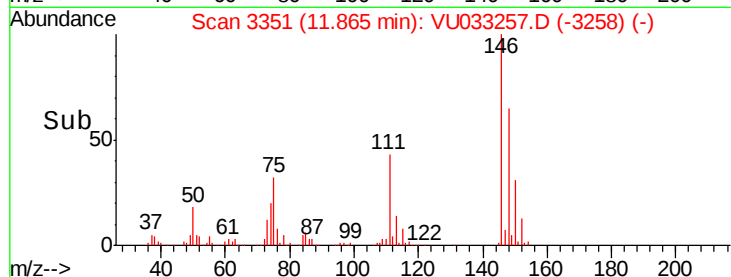
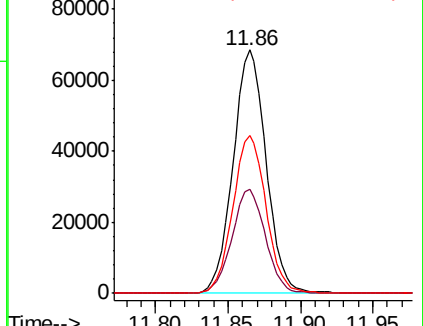
148 65.0 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.200 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

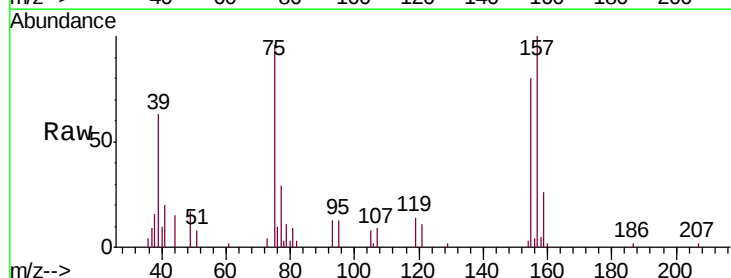
Tgt Ion: 75 Resp: 8113

Ion Ratio Lower Upper

75 100

155 83.9 67.1 100.7

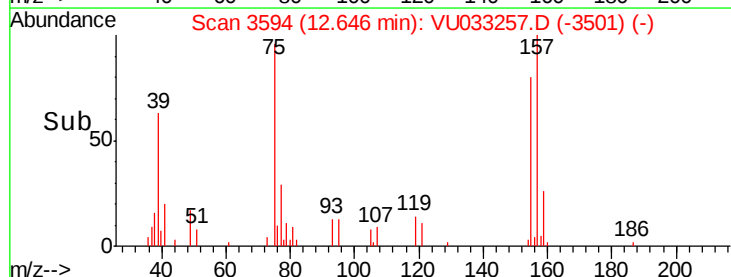
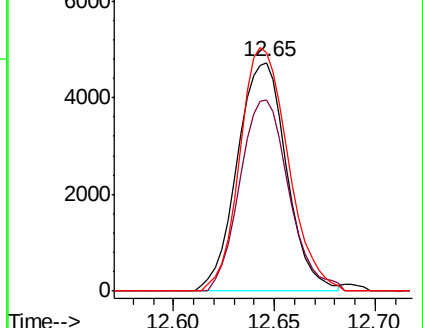
157 104.6 83.7 125.5

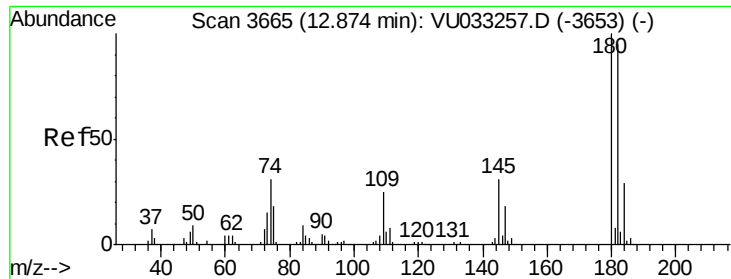


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

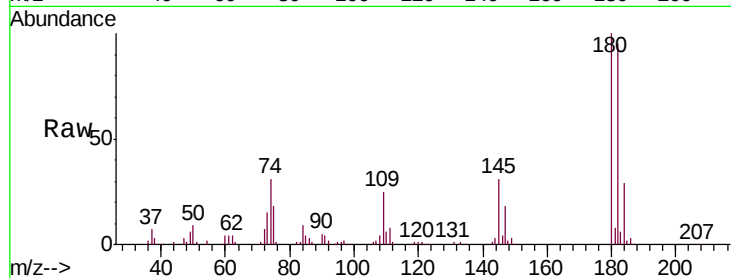




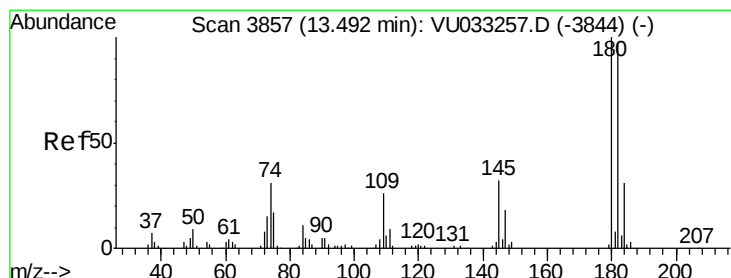
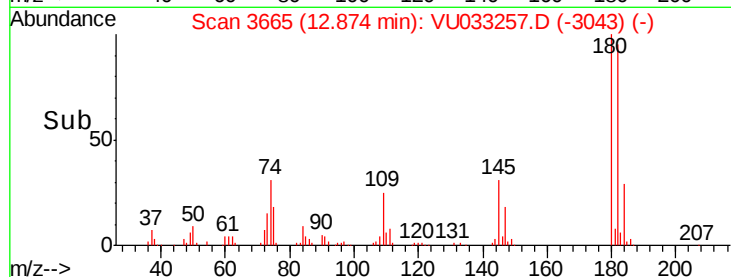
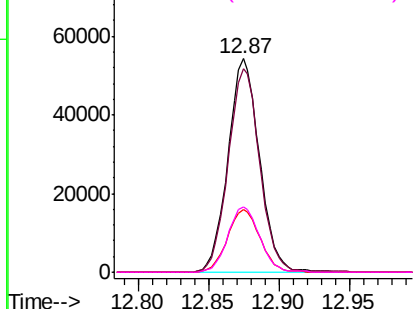
#67
 1,3,5-Trichlorobenzene
 Concen: 4.800 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 85068
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 30.2 24.2 36.2
 145 30.8 24.6 37.0

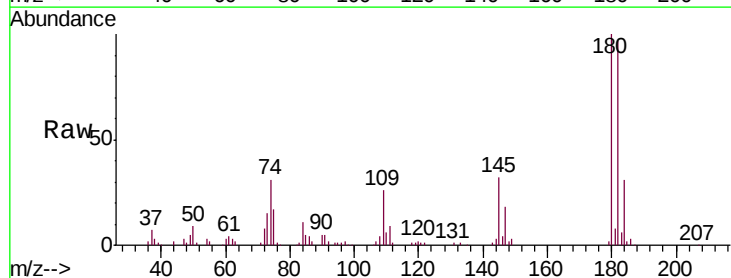


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

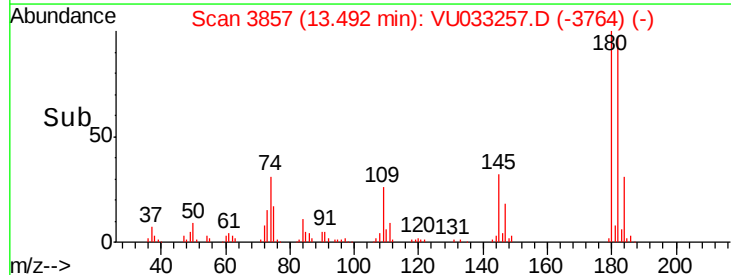
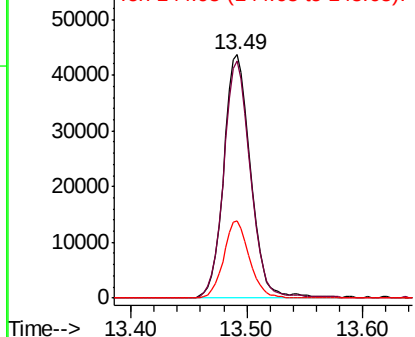


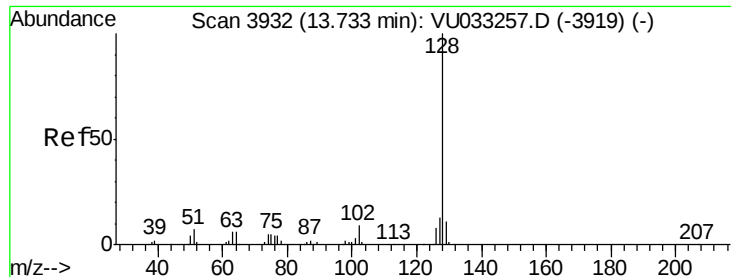
#68
 1,2,4-trichlorobenzene
 Concen: 5.438 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033257.D
 Acq: 16 Jul 2019 10:03

Tgt Ion:180 Resp: 70228
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 145 30.6 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.905 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

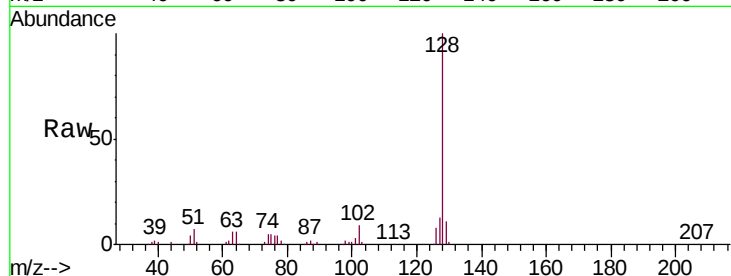
Tgt Ion:128 Resp: 116660

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

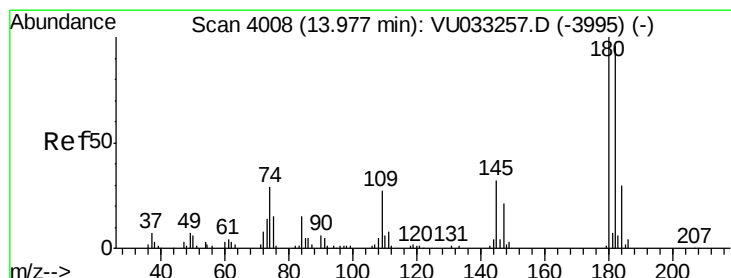
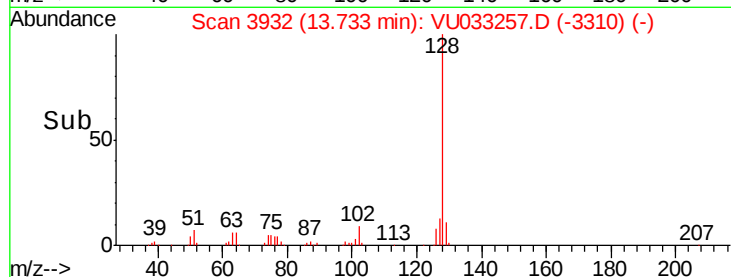
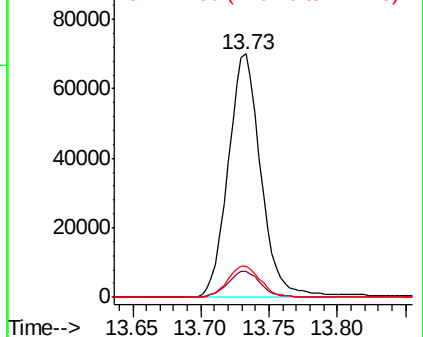
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.471 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033257.D

Acq: 16 Jul 2019 10:03

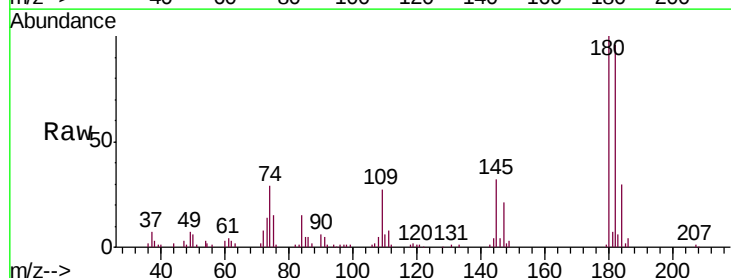
Tgt Ion:180 Resp: 67441

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 32.4 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

