

Data File : VU031815.D
Acq On : 08 May 2019 10:58
Operator : JC/SP
Sample : VSTD00507
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Quant Time: May 09 01:25:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 09 01:21:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	333427	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	332493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116088	4.49	ug/L	0.00
7) Chloroethane-d5	1.67	69	96064	4.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	244531	4.91	ug/L	0.00
20) 2-Butanone-d5	4.19	46	451302	60.72	ug/L	0.00
24) Chloroform-d	4.64	84	242166	5.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	142363	6.02	ug/L	0.00
32) Benzene-d6	5.33	84	446456	4.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	158500	5.34	ug/L	0.00
41) Toluene-d8	7.56	98	390141	4.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	61452	5.31	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	299831	53.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125994	5.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	125002	4.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	189658	6.256 ug/L	100
3) Chloromethane	1.32	50	218296	5.943 ug/L	100
5) Vinyl chloride	1.40	62	191945	5.437 ug/L	100
6) Bromomethane	1.61	94	87711	4.928 ug/L	100
8) Chloroethane	1.69	64	105769	5.316 ug/L	100
9) Trichlorofluoromethane	1.88	101	229076	5.585 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	116243	5.024 ug/L	100
12) 1,1-Dichloroethene	2.28	96	113661	4.941 ug/L	100
13) Acetone	2.32	43	295152	56.623 ug/L	100
14) Carbon disulfide	2.47	76	387472	5.056 ug/L	100
15) Methyl Acetate	2.61	43	75004	5.292 ug/L	100
16) Methylene chloride	2.69	84	140657	5.299 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	329620	5.061 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	115718	4.811 ug/L	100
19) 1,1-Dichloroethane	3.43	63	306327	6.236 ug/L	100
21) 2-Butanone	4.27	43	512815	63.303 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	145176	5.611 ug/L	100
23) Bromochloromethane	4.54	128	59524	5.430 ug/L	100
25) Chloroform	4.67	83	287655	6.292 ug/L	100
27) 1,2-Dichloroethane	5.40	62	193577	6.393 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	232870	5.883 ug/L	100
30) Cyclohexane	4.98	56	255541	5.472 ug/L	100
31) Carbon tetrachloride	5.12	117	196000	5.802 ug/L	100
33) Benzene	5.38	78	609834	5.743 ug/L	100
34) Trichloroethene	6.18	95	148240	5.376 ug/L	100
35) Methylcyclohexane	6.41	83	218270	5.370 ug/L	100
37) 1,2-Dichloropropane	6.43	63	176004	6.075 ug/L	100
38) Bromodichloromethane	6.75	83	200178	5.942 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	213444	5.473 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1182522	60.109 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	626151	5.847	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	173505	5.706	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	98032	5.235	ug/L	100
47) Tetrachloroethene	8.22	164	95191	5.070	ug/L	100
48) 2-Hexanone	8.36	43	866755	62.548	ug/L	100
49) Dibromochloromethane	8.47	129	113302	5.323	ug/L	100
50) 1,2-Dibromoethane	8.58	107	91984	5.140	ug/L	100
51) Chlorobenzene	9.12	112	349569	5.494	ug/L	100
52) Ethylbenzene	9.24	91	629750	5.609	ug/L	100
53) m,p-Xylene	9.37	106	229879	5.719	ug/L	100
54) o-Xylene	9.77	106	221260	5.639	ug/L	100
55) Styrene	9.79	104	385065	5.891	ug/L	100
56) Isopropylbenzene	10.16	105	579279	5.582	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	131911	5.454	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99609	5.622	ug/L	100
61) Bromoform	9.95	173	60102	4.966	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	246097	5.313	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	250888	5.195	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	243944	5.298	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	22116	5.696	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	189679	5.359	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	144031	5.216	ug/L	100
69) Naphthalene	13.74	128	234871	4.511	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	136263	5.038	ug/L	100

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

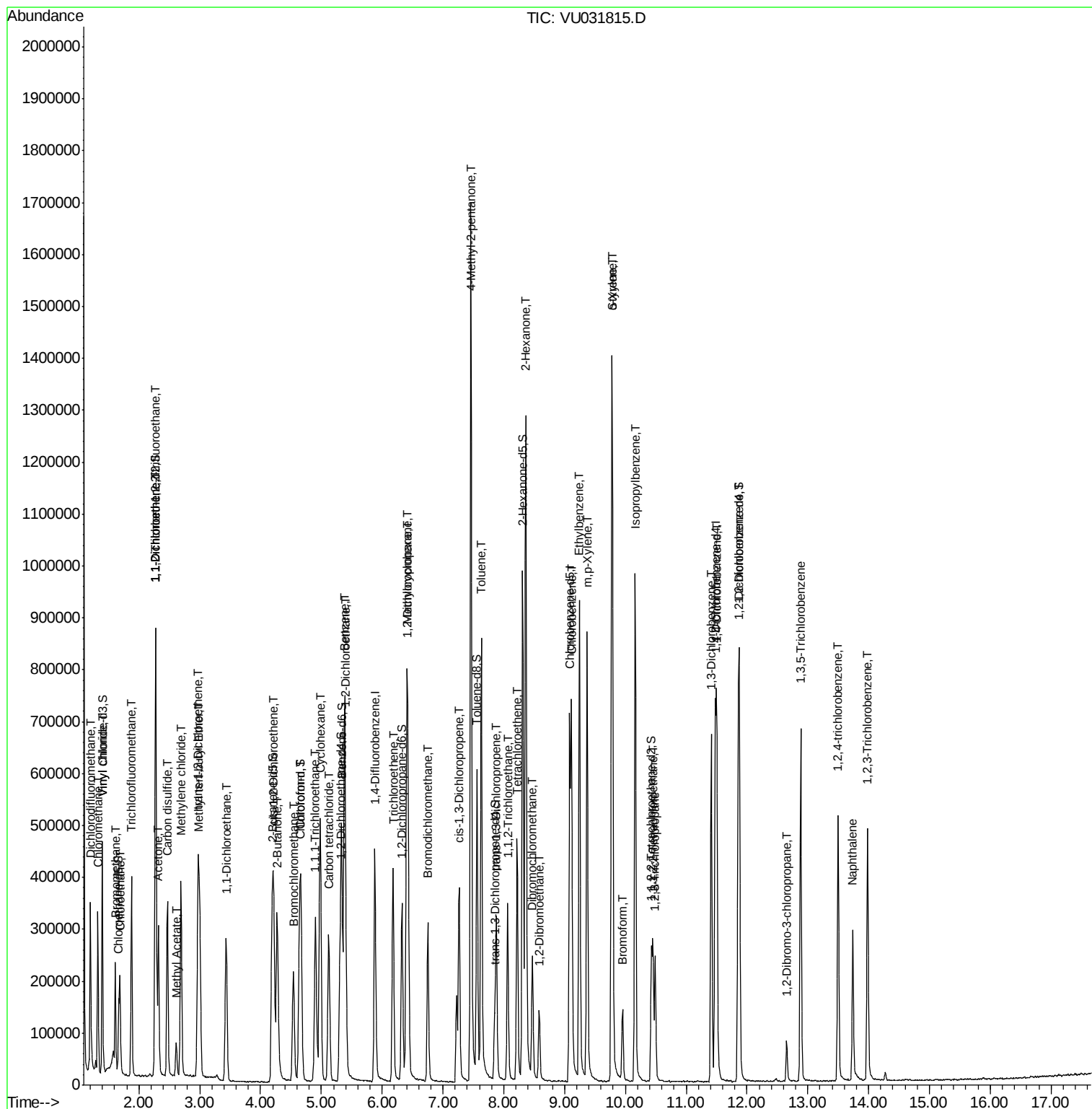
Quant Time: May 09 01:25:44 2019

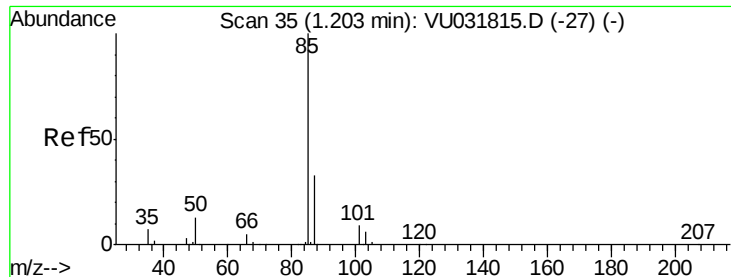
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR050819WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 6.256 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

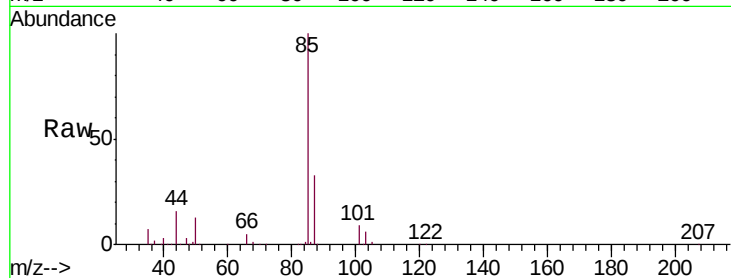
VSTD00507

Tgt Ion: 85 Resp: 189658

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU031815.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031815.D (-27) (-)

1.20

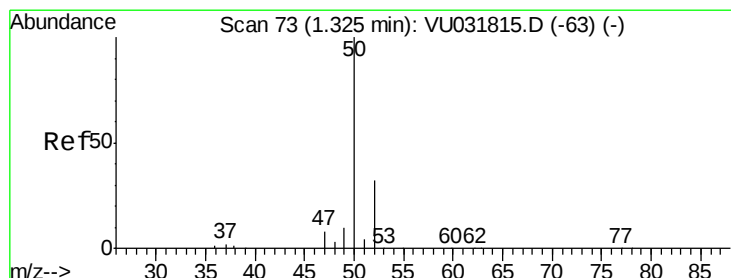
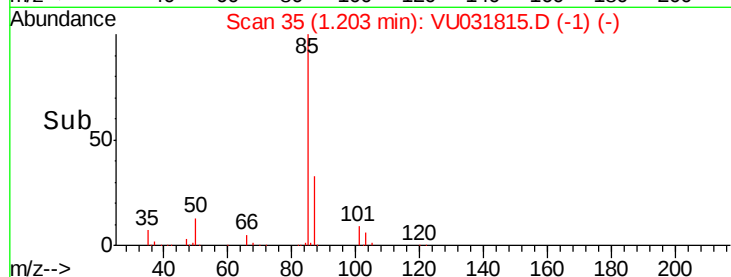
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.943 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031815.D

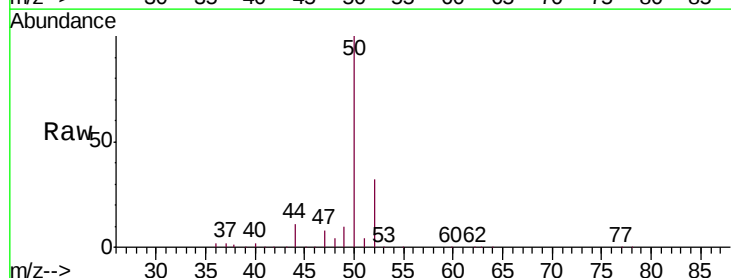
Acq: 08 May 2019 10:58

Tgt Ion: 50 Resp: 218296

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU031815.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031815.D (-63) (-)

1.32

200000

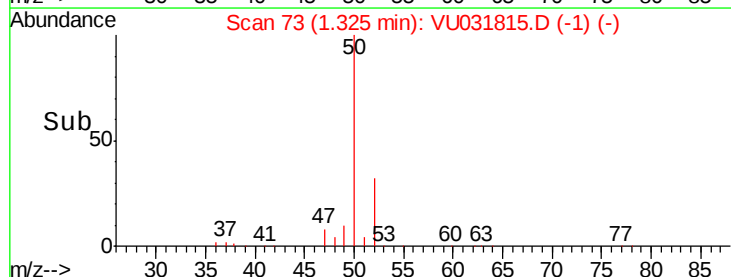
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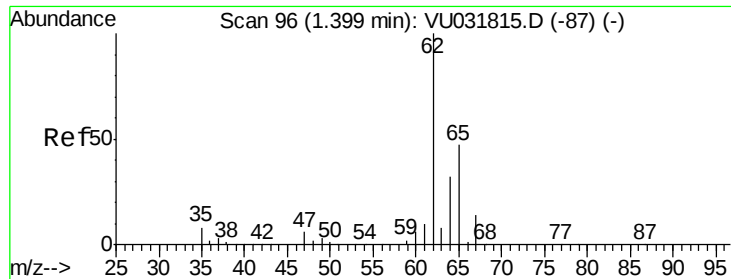
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.437 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

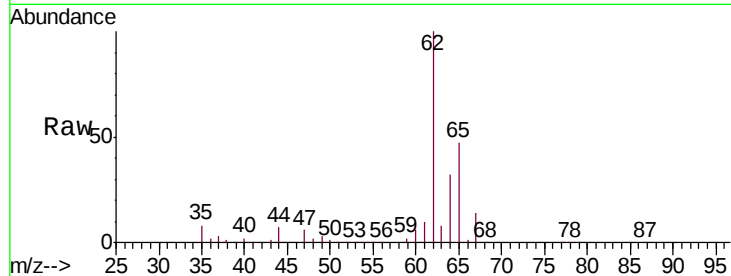
VSTD00507

Tgt Ion: 62 Resp: 191945

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

150000

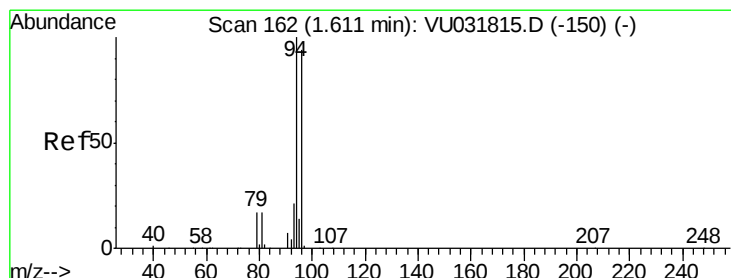
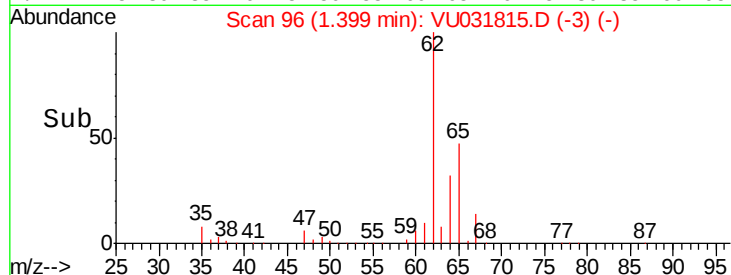
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 4.928 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU031815.D

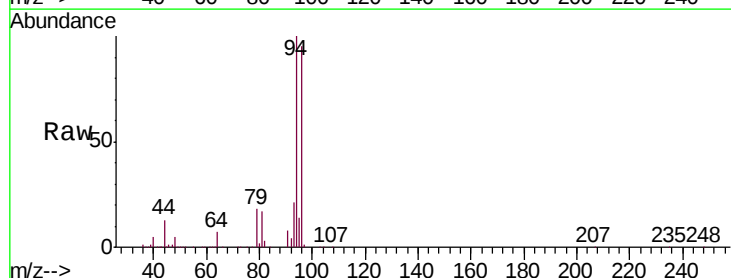
Acq: 08 May 2019 10:58

Tgt Ion: 94 Resp: 87711

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

80000

60000

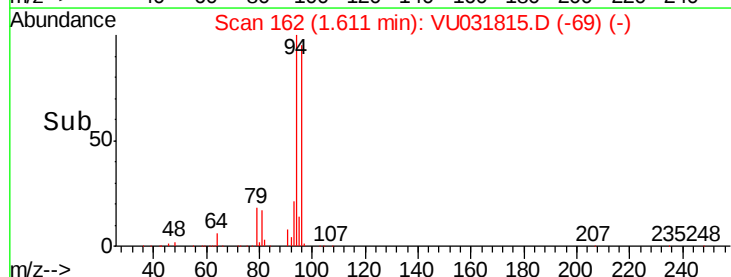
40000

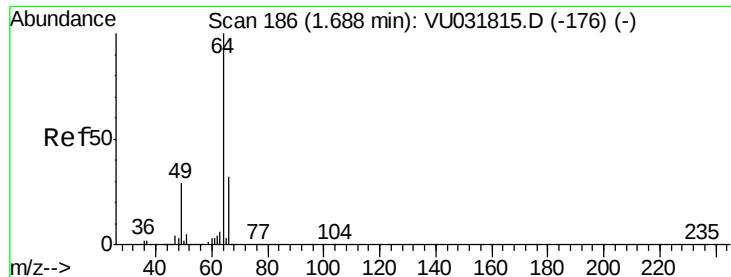
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 5.316 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

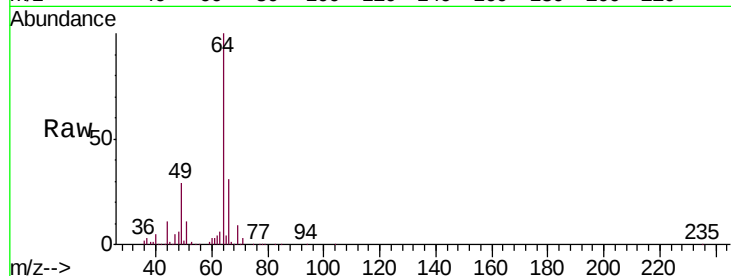
VSTD00507

Tgt Ion: 64 Resp: 105769

Ion Ratio Lower Upper

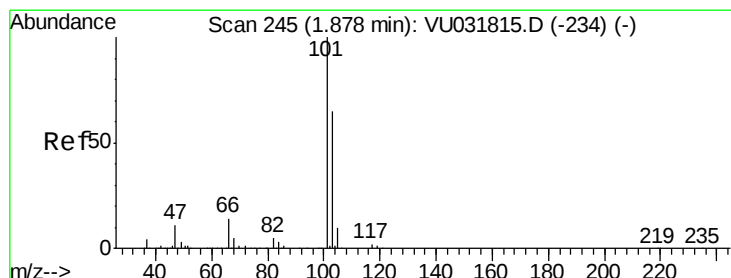
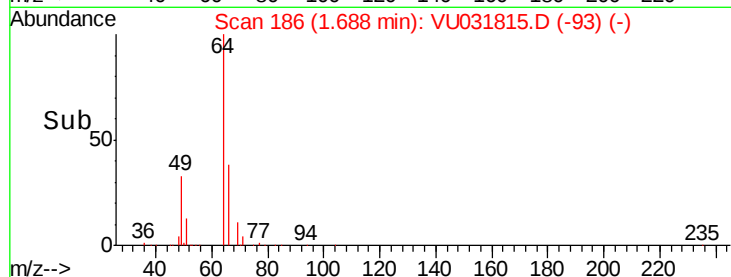
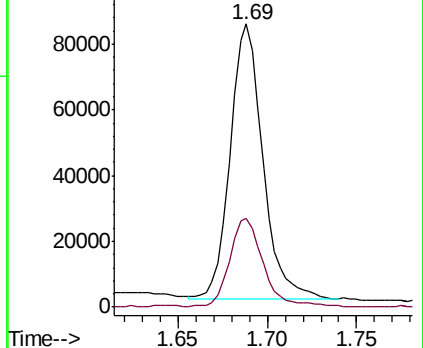
64 100

66 31.3 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031815.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU031815.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.585 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU031815.D

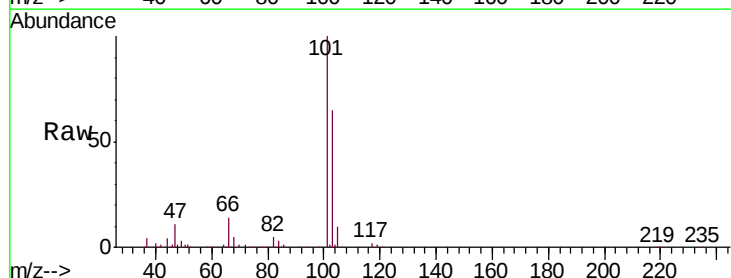
Acq: 08 May 2019 10:58

Tgt Ion: 101 Resp: 229076

Ion Ratio Lower Upper

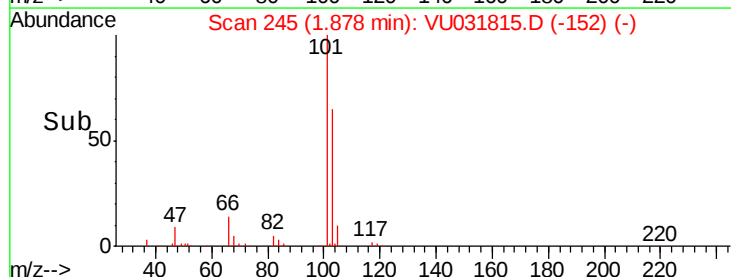
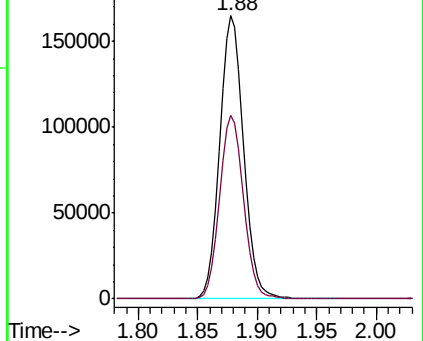
101 100

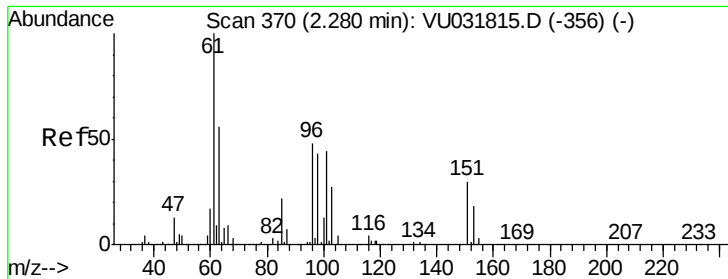
103 65.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU031815.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031815.D (-234) (-)





#10

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

Concen: 5.024 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

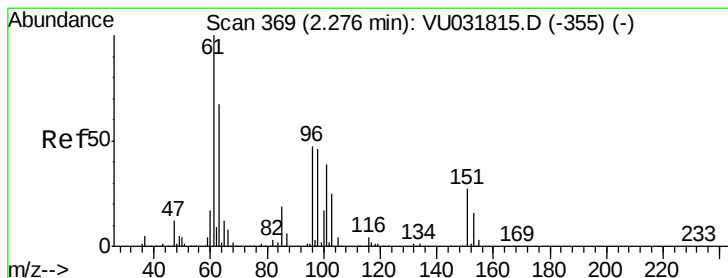
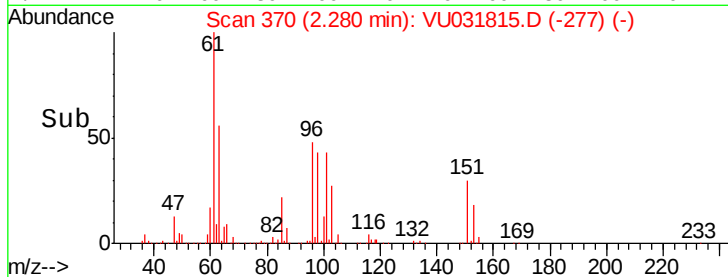
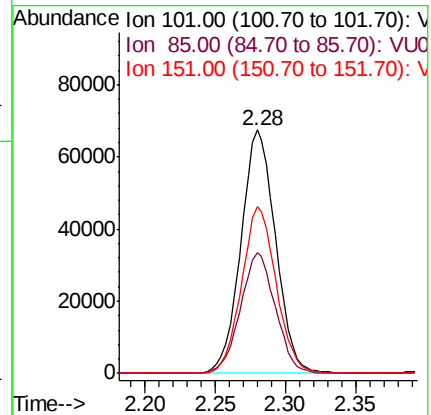
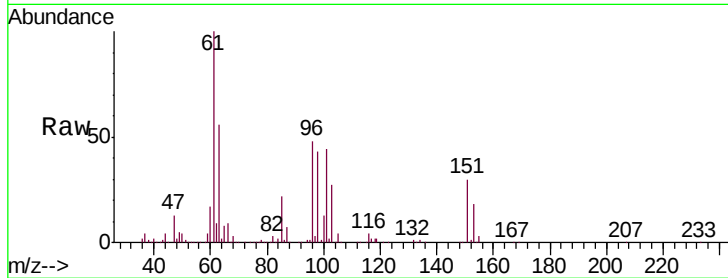
Tgt Ion: 101 Resp: 116243

Ion Ratio Lower Upper

101 100

85 50.0 40.0 60.0

151 68.3 54.6 82.0



#12

1,1-Dichloroethene

Concen: 4.941 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

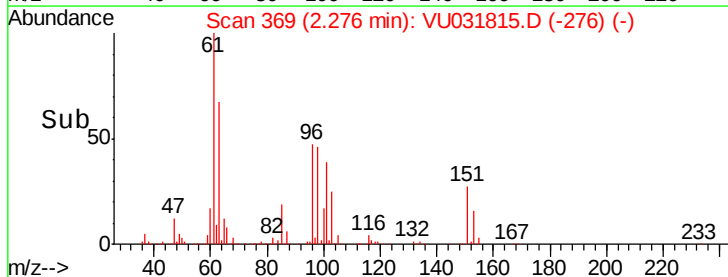
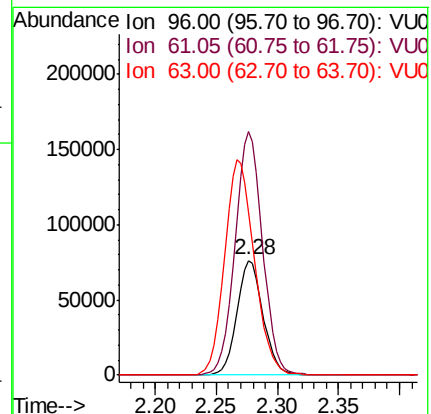
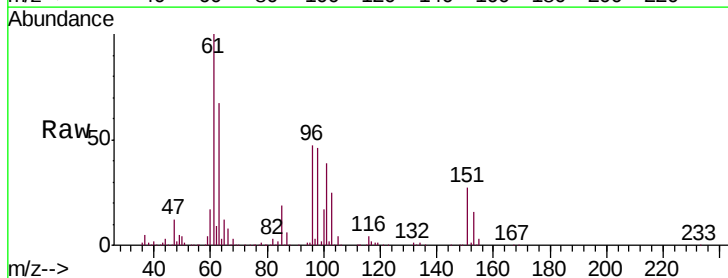
Tgt Ion: 96 Resp: 113661

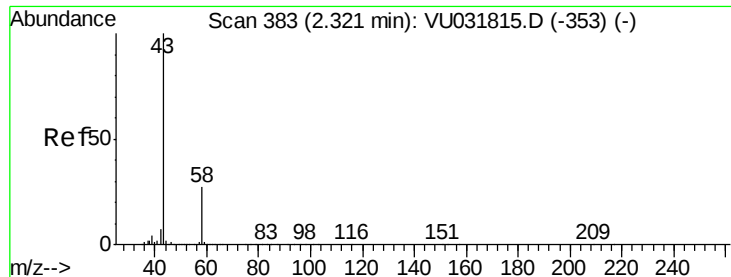
Ion Ratio Lower Upper

96 100

61 212.8 149.0 276.6

63 142.6 99.8 185.4





#13

Acetone

Concen: 56.623 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

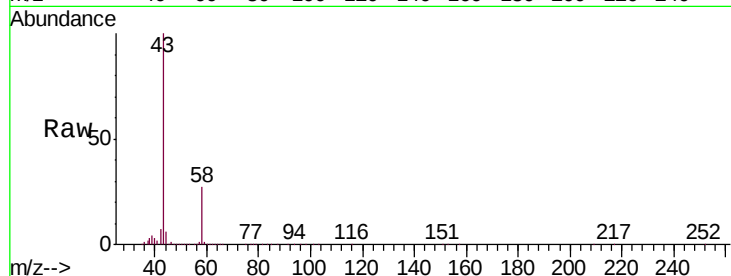
VSTD00507

Tgt Ion: 43 Resp: 295152

Ion Ratio Lower Upper

43 100

58 26.8 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031815.D (-353) (-)

Ion 58.05 (57.75 to 58.75): VU031815.D (-353) (-)

2.32

200000

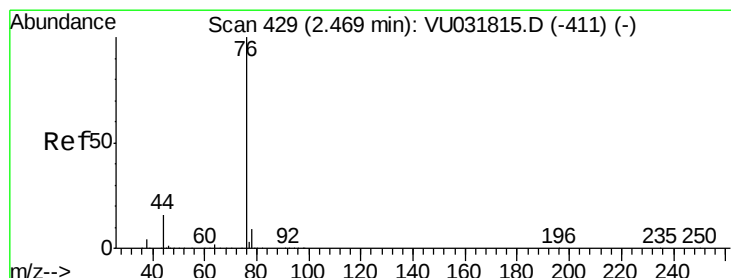
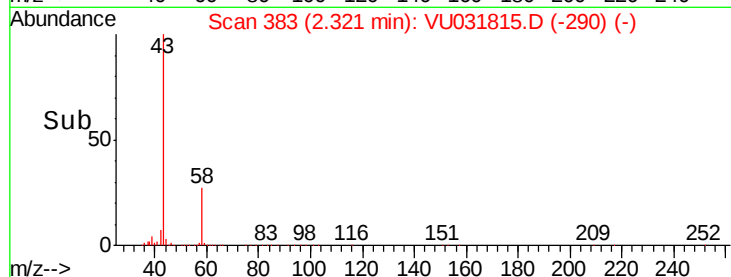
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 5.056 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU031815.D

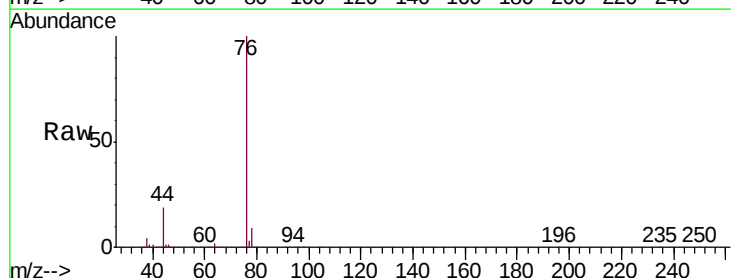
Acq: 08 May 2019 10:58

Tgt Ion: 76 Resp: 387472

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU031815.D (-411) (-)

Ion 78.00 (77.70 to 78.70): VU031815.D (-411) (-)

2.47

250000

200000

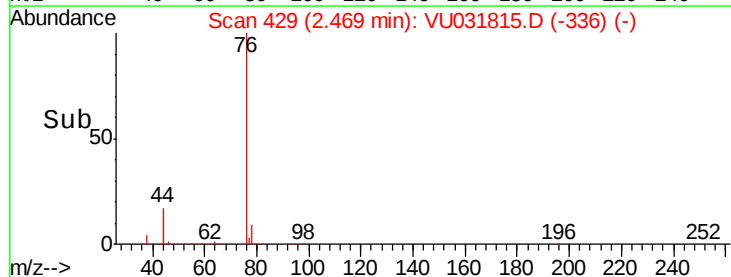
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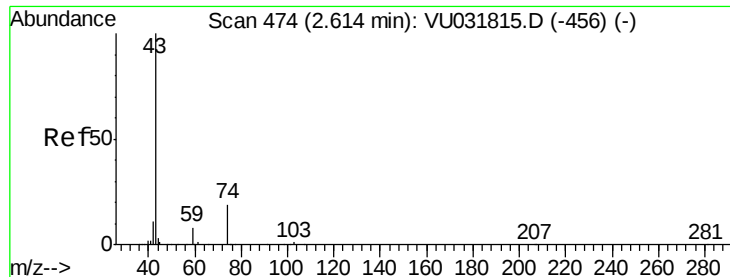
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50000

0

Time-->

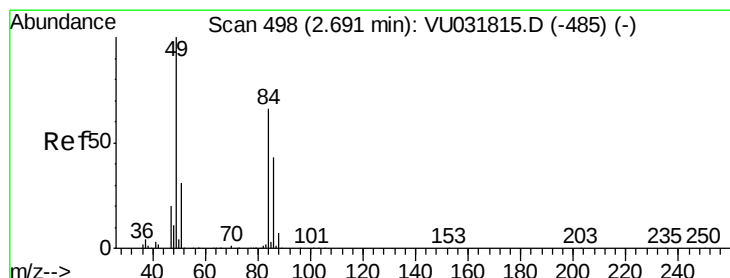
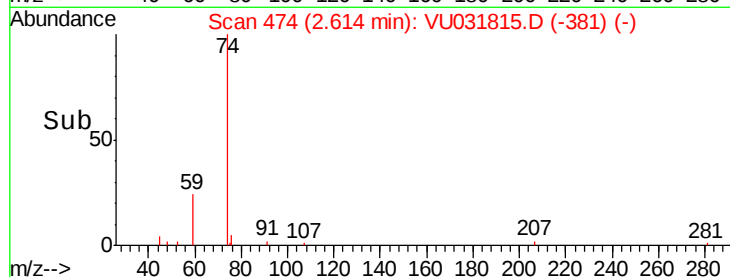
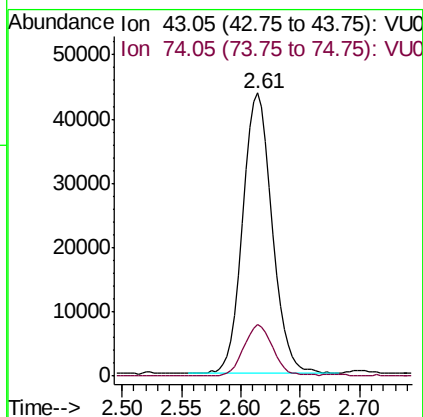
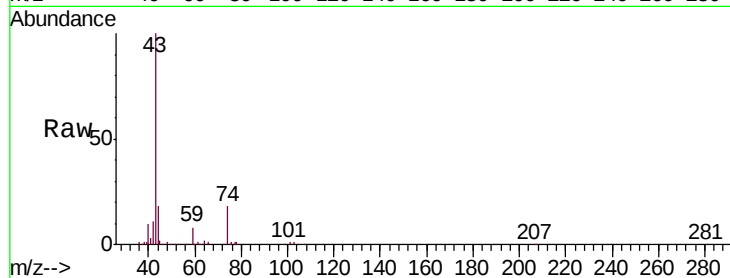




#15
Methyl Acetate
Concen: 5.292 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

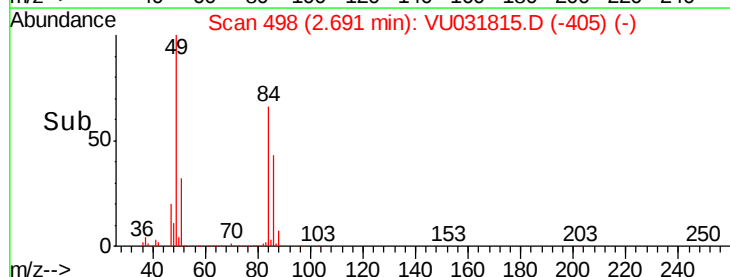
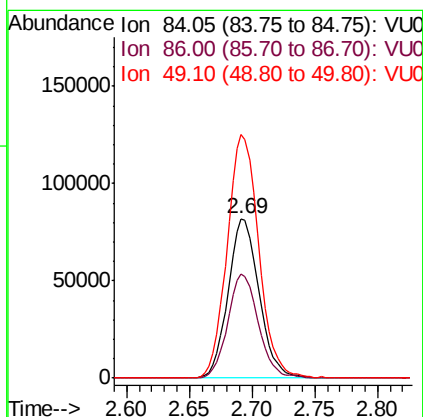
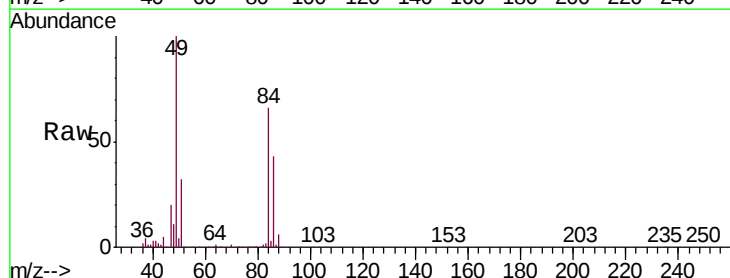
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

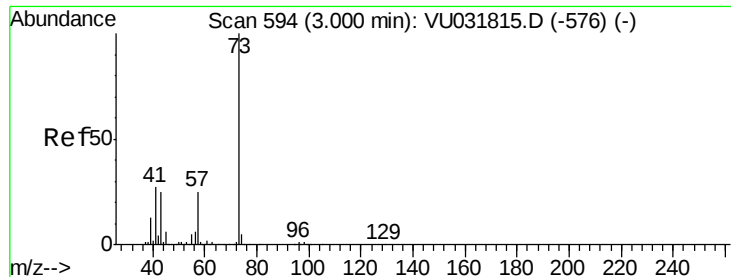
Tgt Ion: 43 Resp: 75004
Ion Ratio Lower Upper
43 100
74 18.4 14.7 22.1



#16
Methylene chloride
Concen: 5.299 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion: 84 Resp: 140657
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 152.4 106.7 198.1



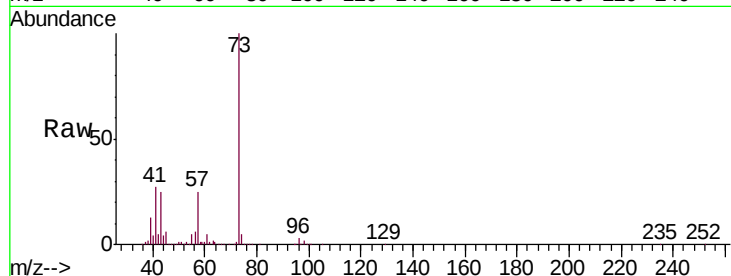


#17

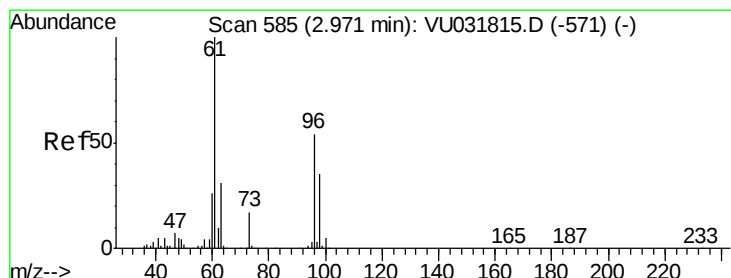
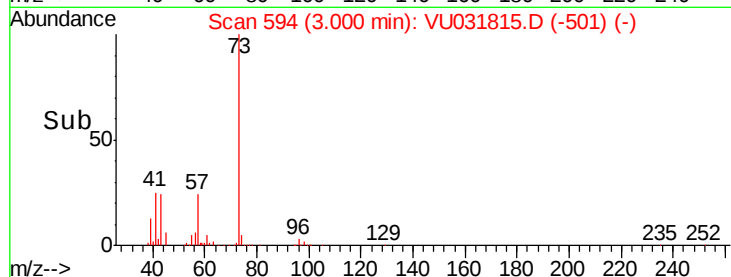
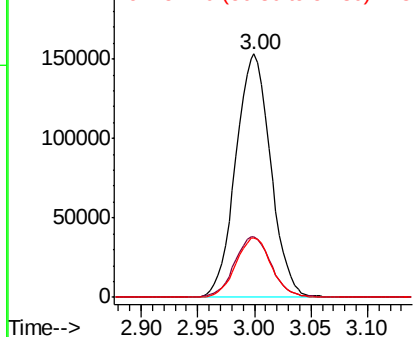
Methyl tert-butyl Ether
 Concen: 5.061 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.6	20.5	30.7
57	24.9	19.9	29.9



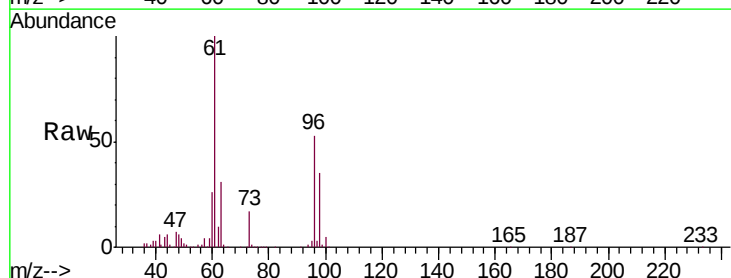
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



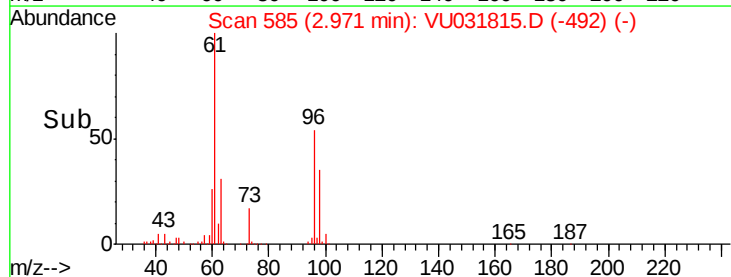
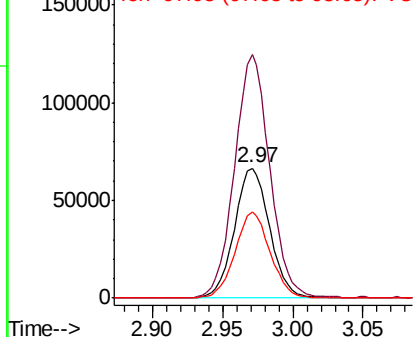
#18

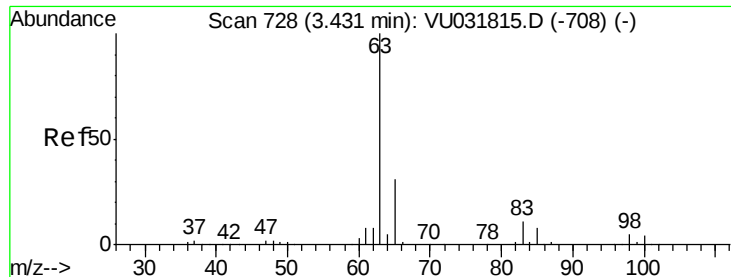
trans-1,2-Dichloroethene
 Concen: 4.811 ug/L
 RT: 2.97 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.0	130.9	243.1
98	66.0	46.2	85.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

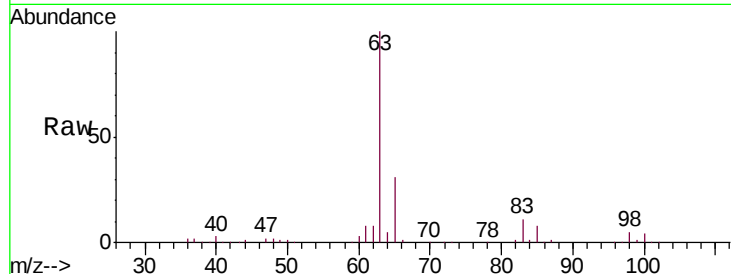




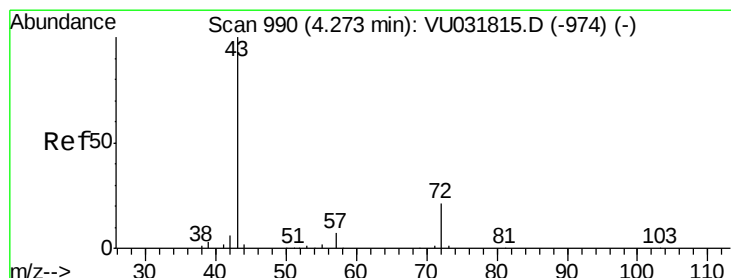
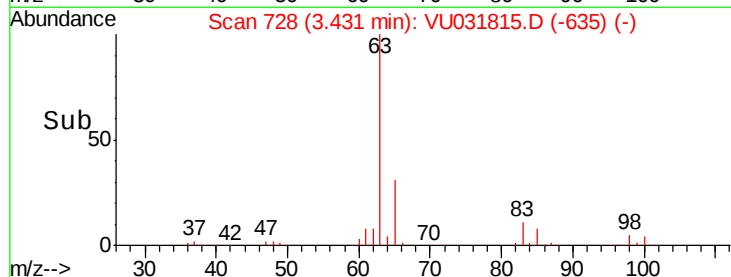
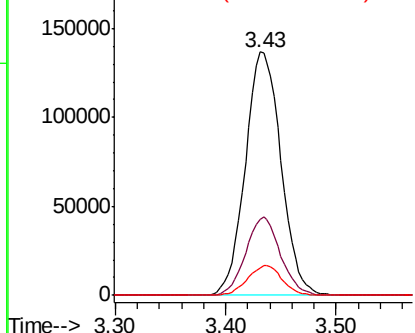
#19
 1,1-Dichloroethane
 Concen: 6.236 ug/L
 RT: 3.43 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tgt Ion: 63 Resp: 306327
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 11.3 7.9 14.7

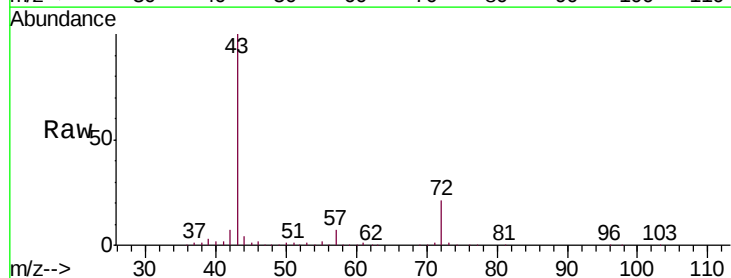


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

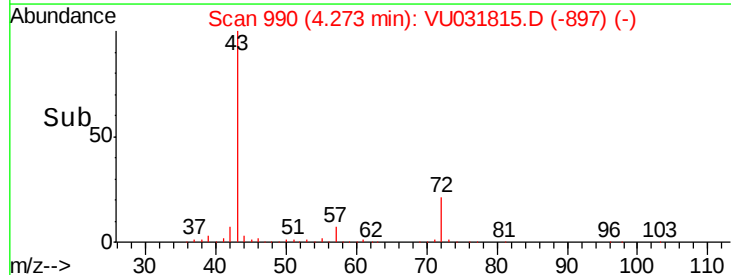
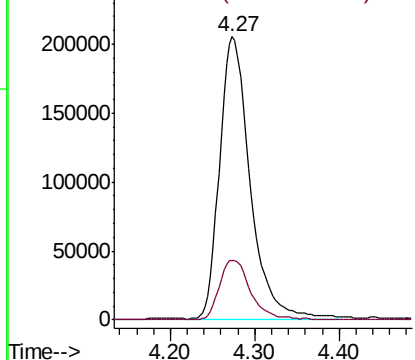


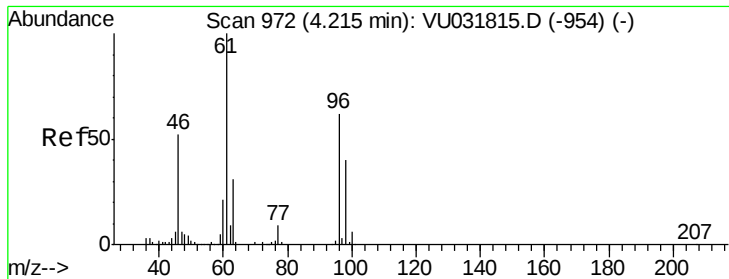
#21
 2-Butanone
 Concen: 63.303 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion: 43 Resp: 512815
 Ion Ratio Lower Upper
 43 100
 72 20.7 10.4 31.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



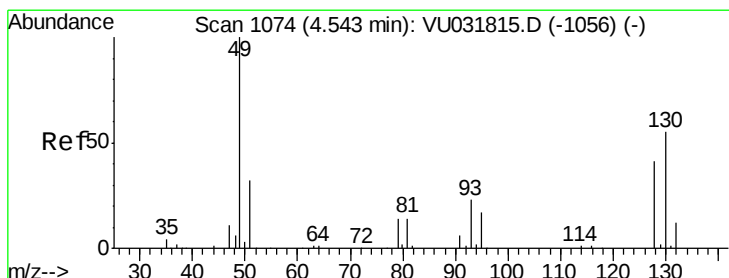
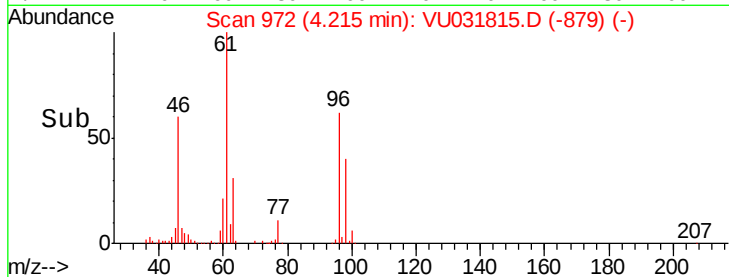
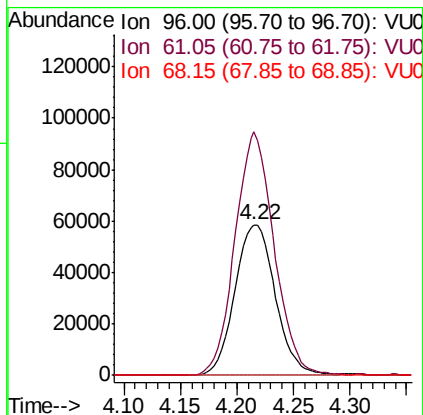
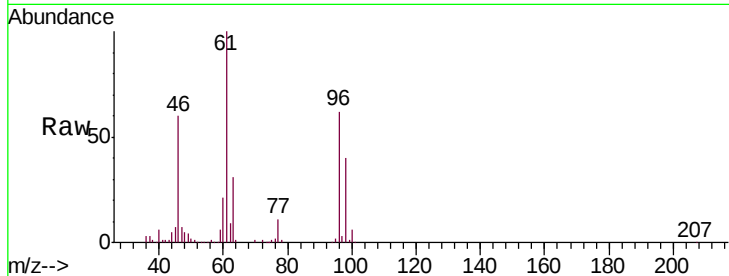


#22

cis-1,2-Dichloroethene
Concen: 5.611 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

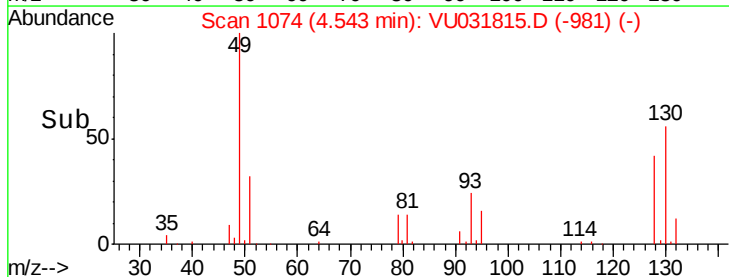
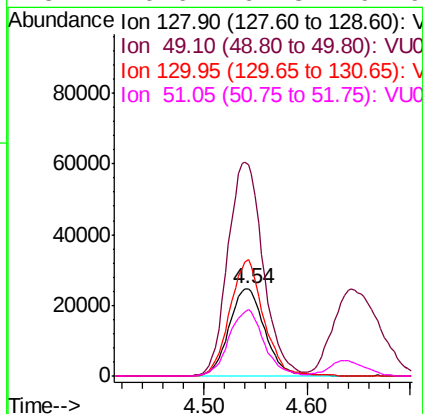
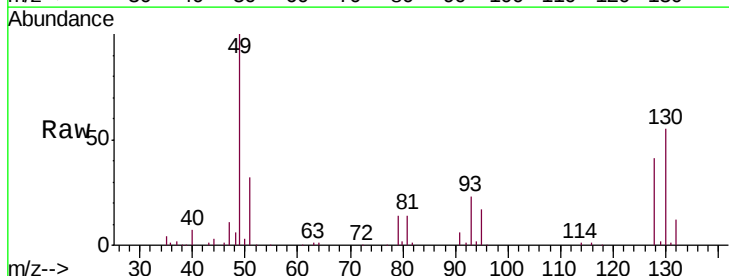
Tgt Ion: 96 Resp: 145176
Ion Ratio Lower Upper
96 100
61 161.9 113.3 210.5
68 0.0 0.0 0.0

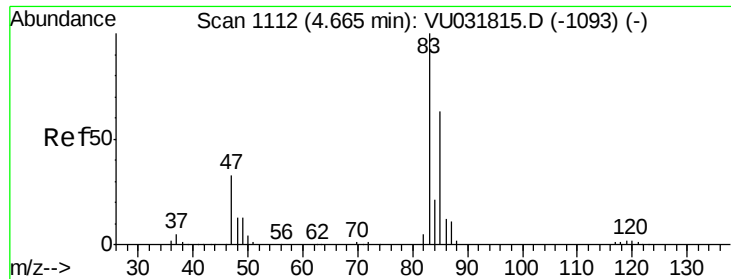


#23

Bromochloromethane
Concen: 5.430 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion: 128 Resp: 59524
Ion Ratio Lower Upper
128 100
49 241.1 168.8 313.4
130 132.9 93.0 172.8
51 76.6 61.3 91.9

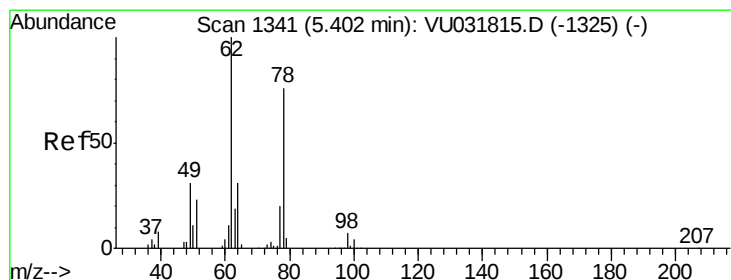
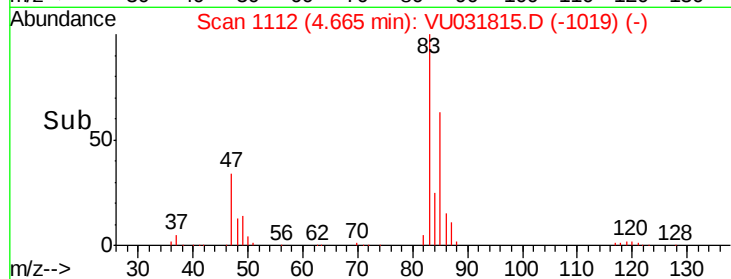
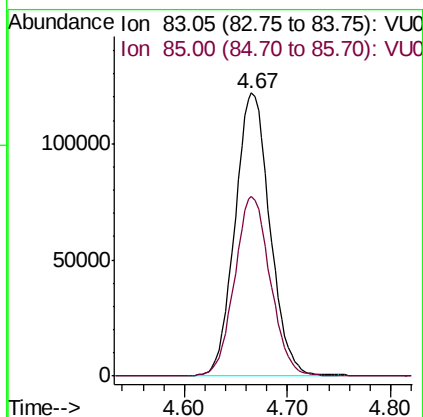
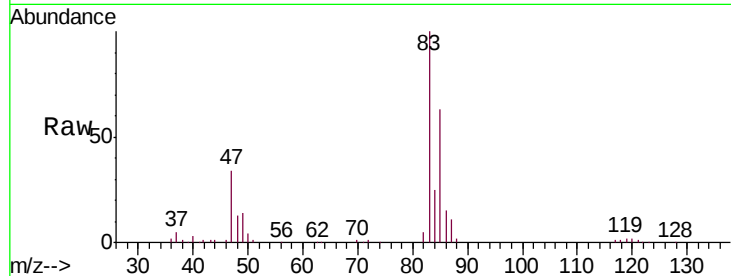




#25
Chloroform
Concen: 6.292 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

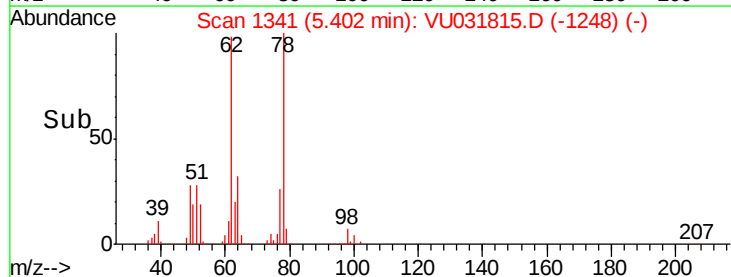
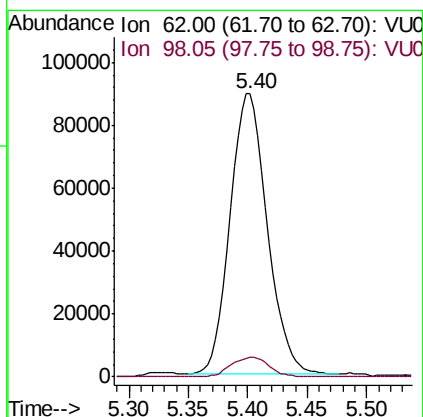
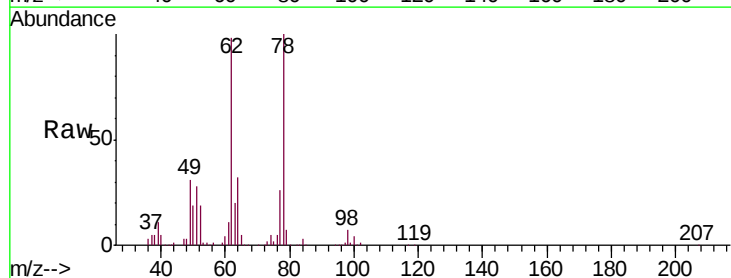
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

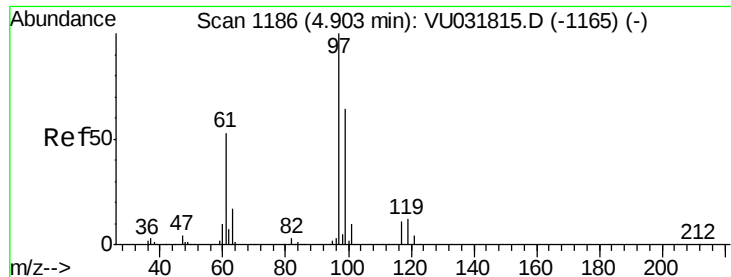
Tgt Ion: 83 Resp: 287655
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 6.393 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion: 62 Resp: 193577
Ion Ratio Lower Upper
62 100
98 6.8 5.4 8.2

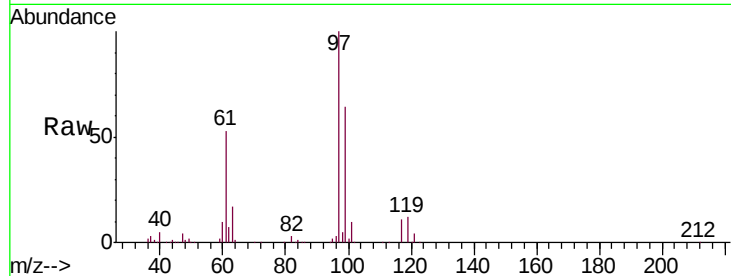




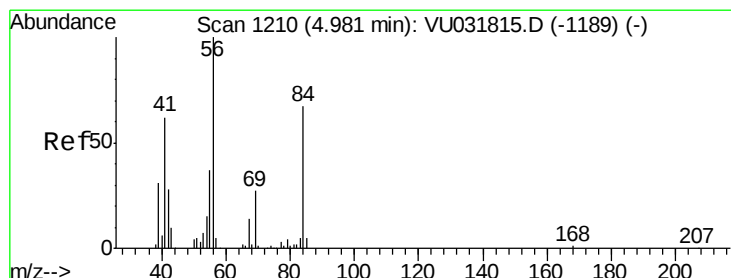
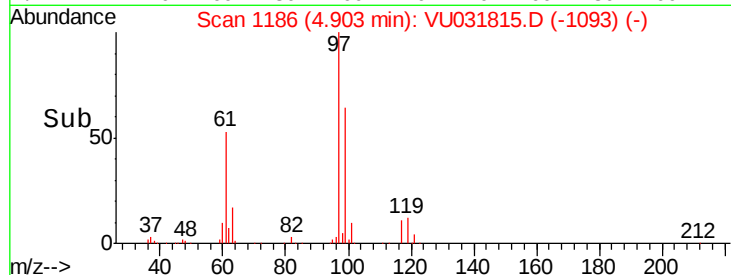
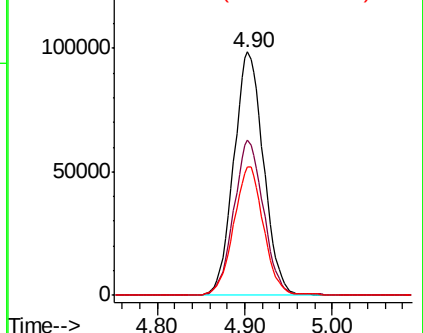
#29
 1,1,1-Trichloroethane
 Concen: 5.883 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	75.8
61	52.7	42.2	63.2

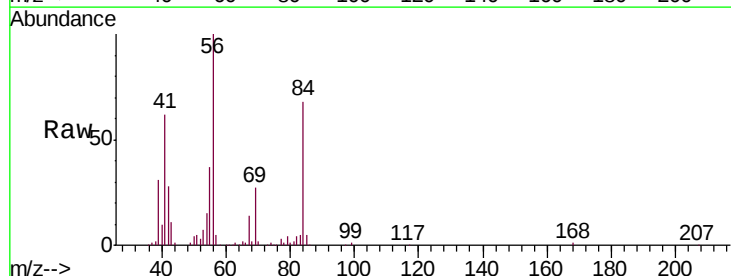


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

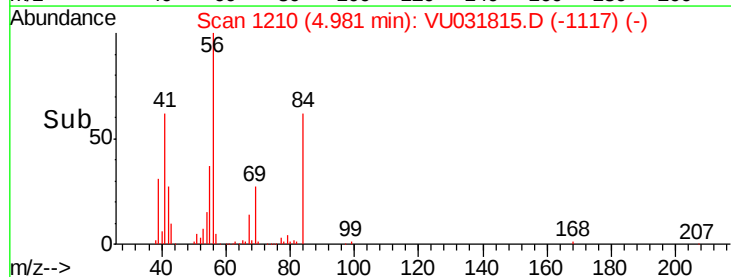
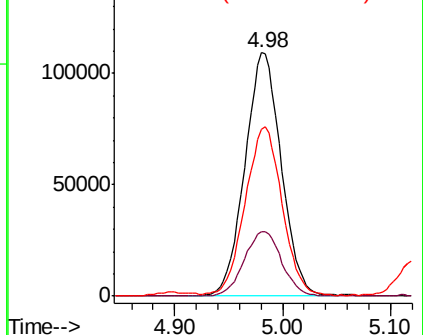


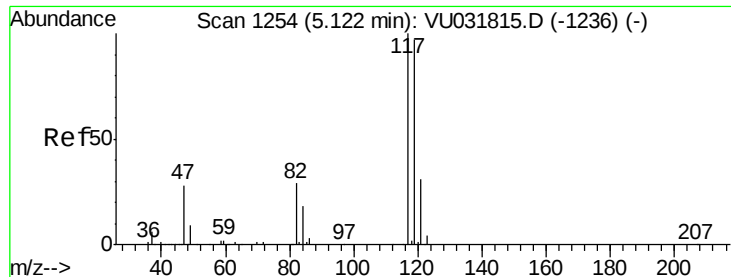
#30
 Cyclohexane
 Concen: 5.472 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.3	21.8	32.8
84	71.0	56.8	85.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.802 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

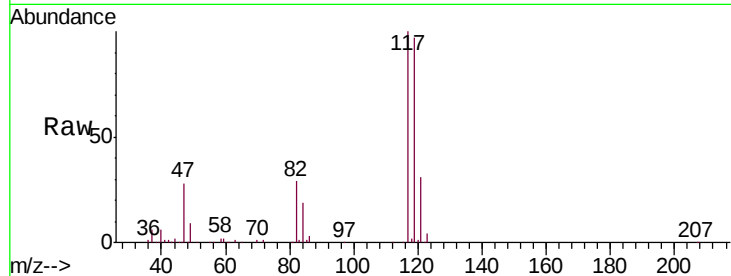
VSTD00507

Tgt Ion:117 Resp: 196000

Ion Ratio Lower Upper

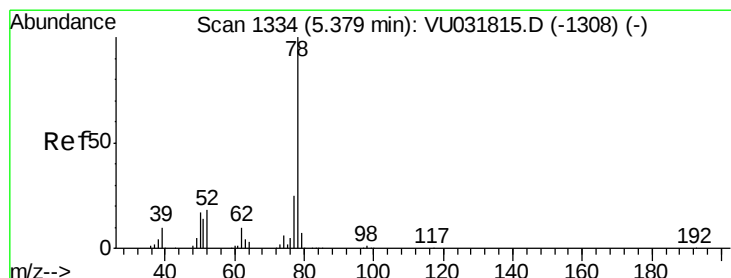
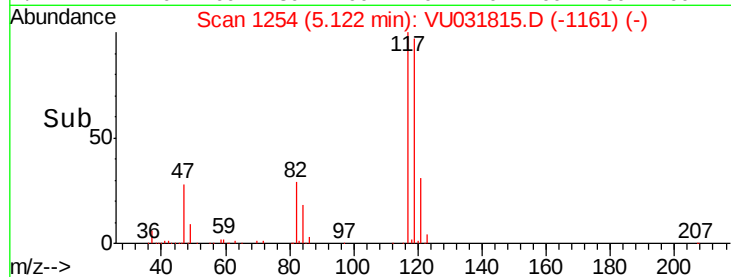
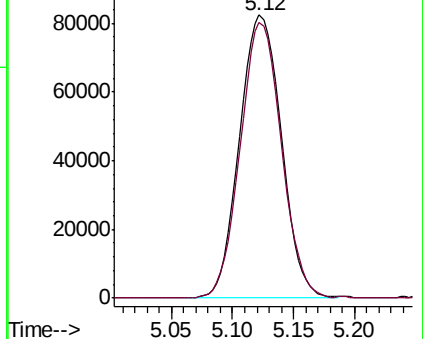
117 100

119 95.5 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.743 ug/L

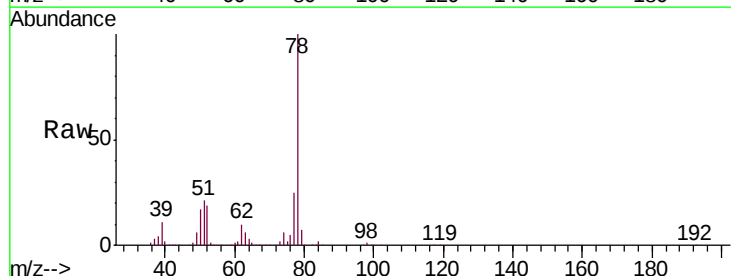
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

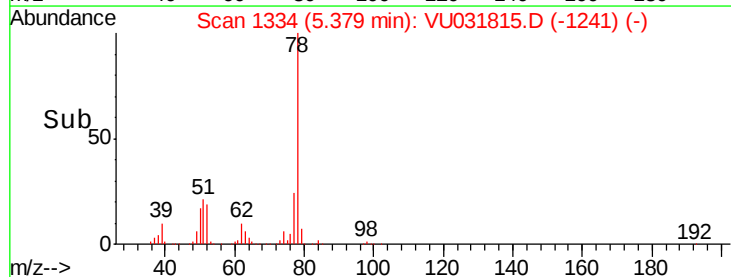
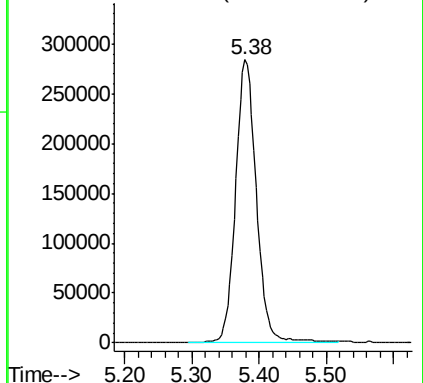
Lab File: VU031815.D

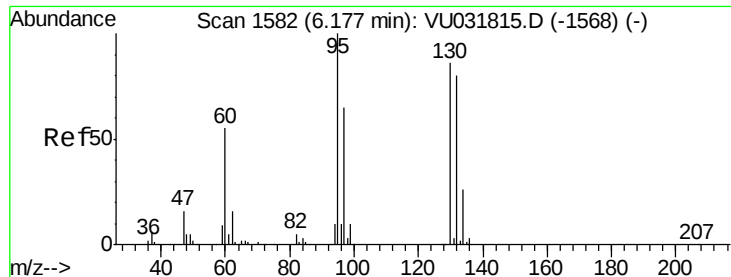
Acq: 08 May 2019 10:58

Tgt Ion: 78 Resp: 609834



Abundance Ion 78.10 (77.80 to 78.80): VU0

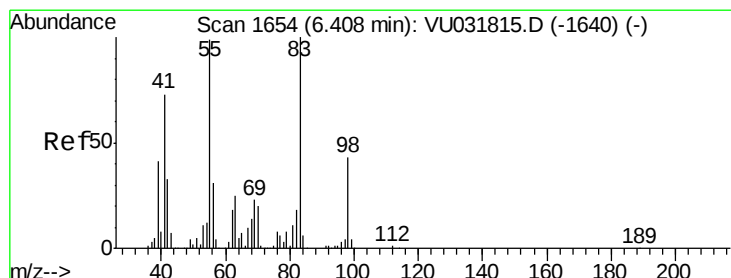
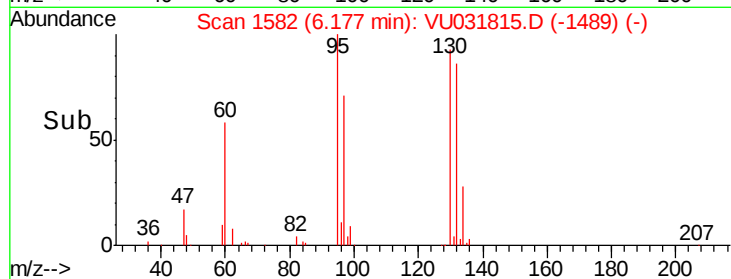
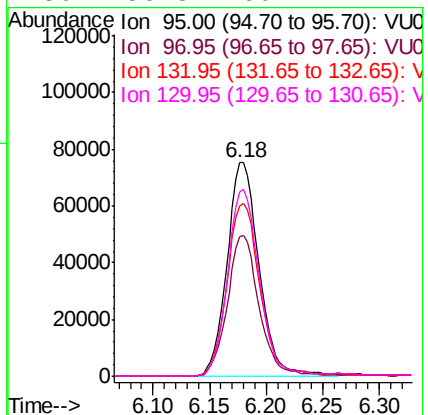
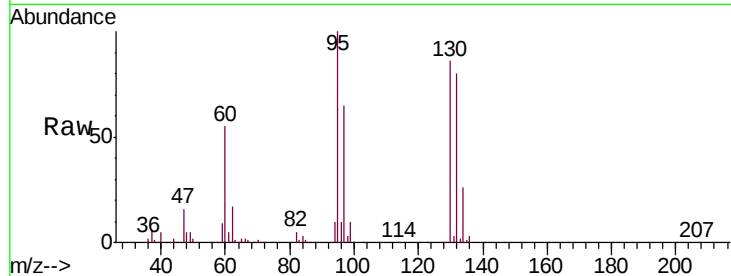




#34
 Trichloroethene
 Concen: 5.376 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

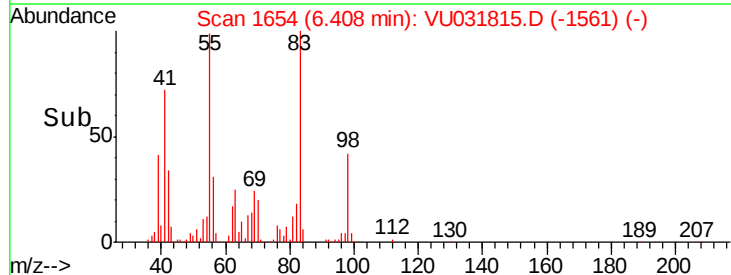
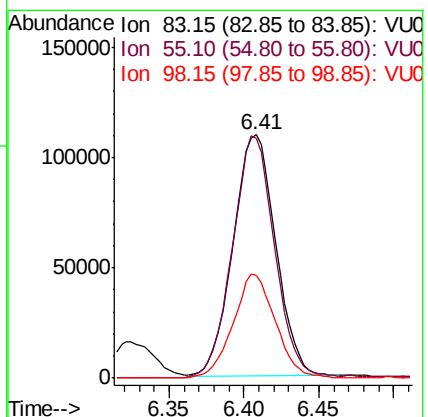
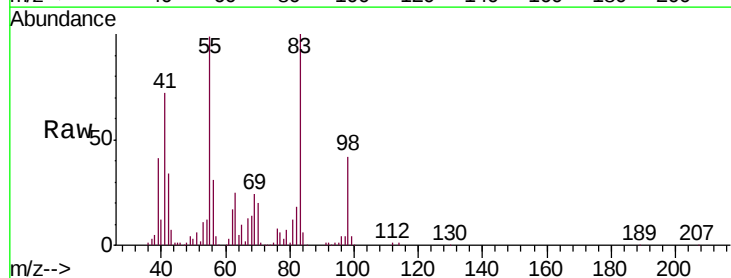
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

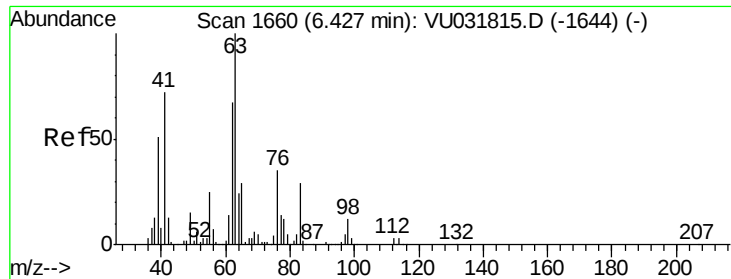
Tgt Ion: 95 Resp: 148240
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.8 85.2
 132 80.0 56.0 104.0
 130 86.3 60.4 112.2



#35
 Methylcyclohexane
 Concen: 5.370 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion: 83 Resp: 218270
 Ion Ratio Lower Upper
 83 100
 55 99.0 79.2 118.8
 98 42.5 34.0 51.0

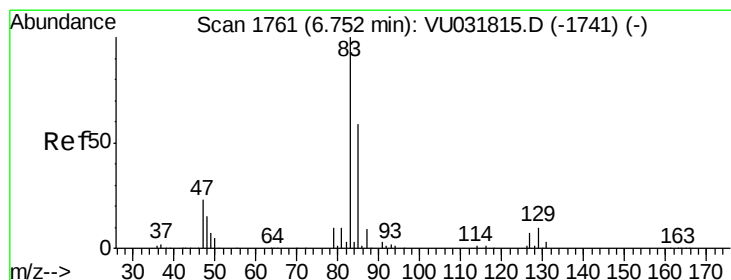
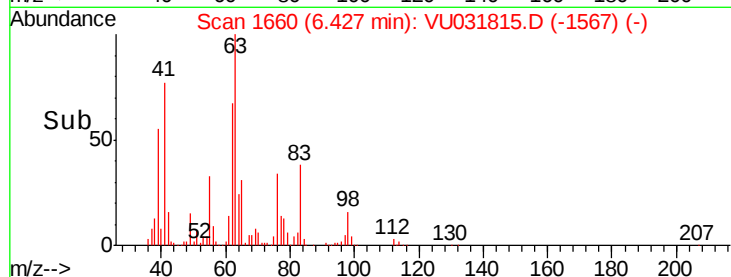
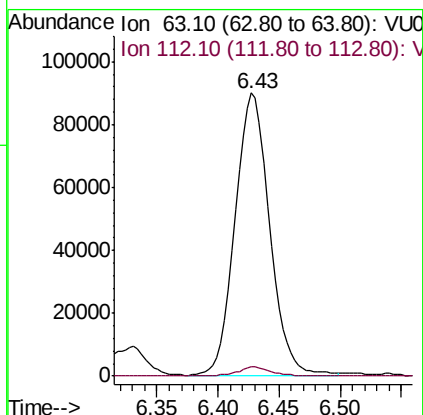
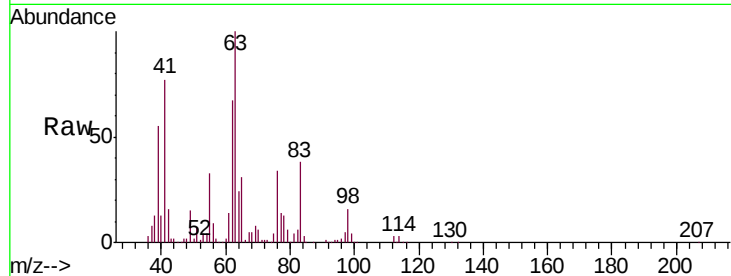




#37
 1,2-Dichloropropane
 Concen: 6.075 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

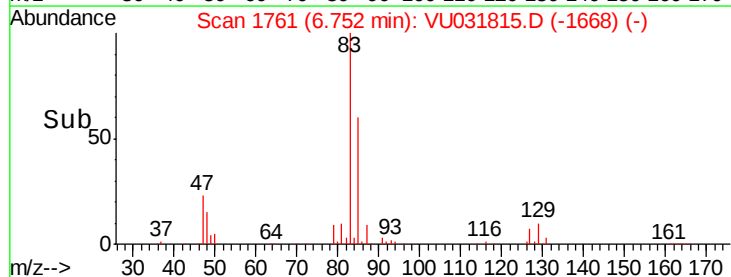
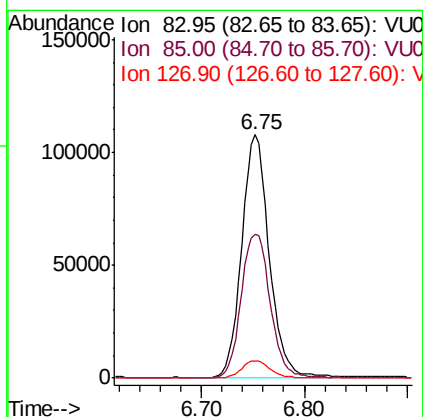
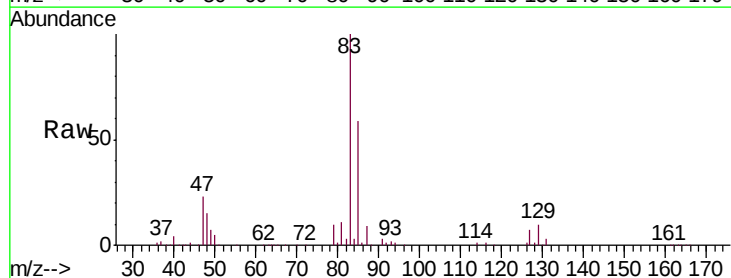
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

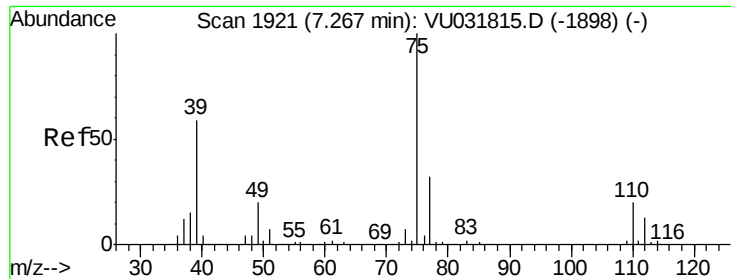
Tgt Ion: 63 Resp: 176004
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.942 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion: 83 Resp: 200178
 Ion Ratio Lower Upper
 83 100
 85 59.0 41.3 76.7
 127 7.2 5.8 8.6

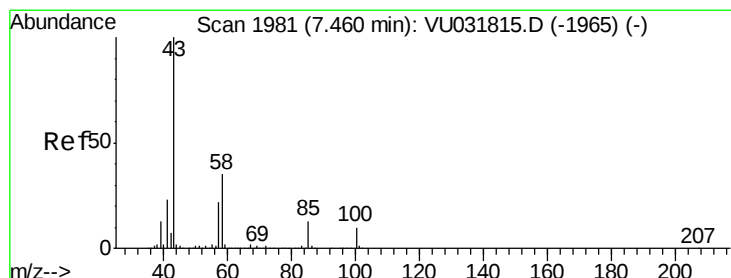
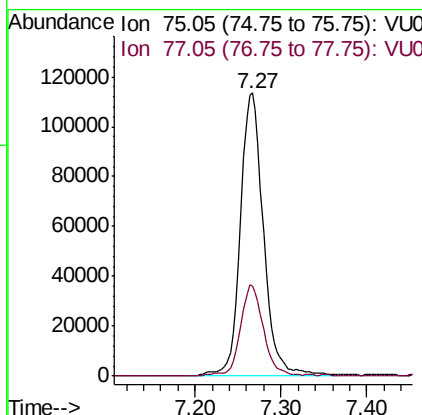
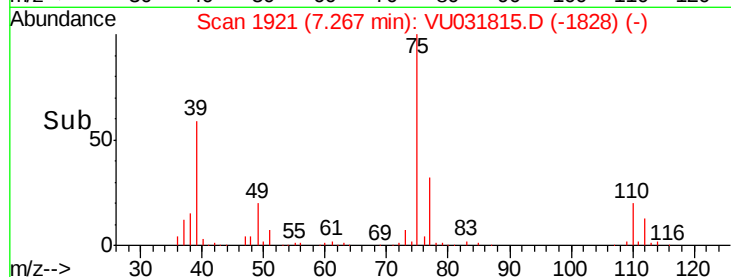
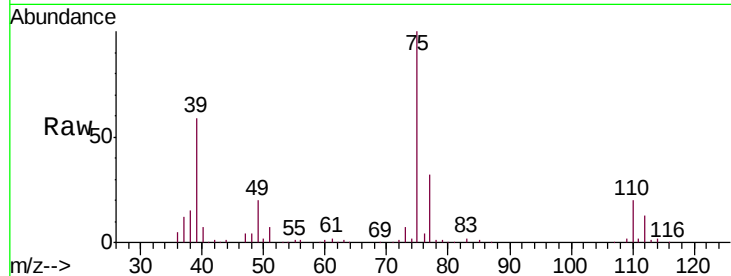




#39
 cis-1,3-Dichloropropene
 Concen: 5.473 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

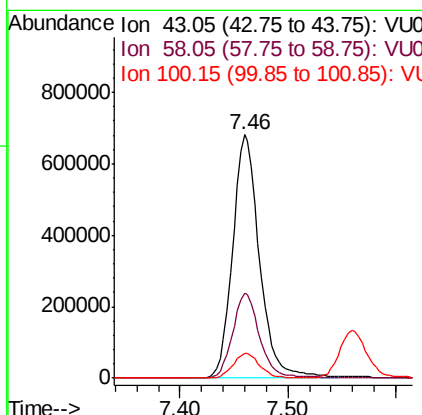
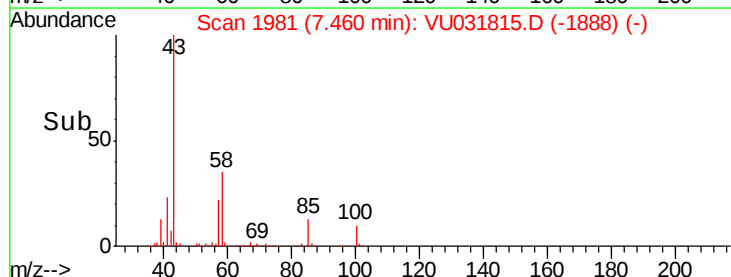
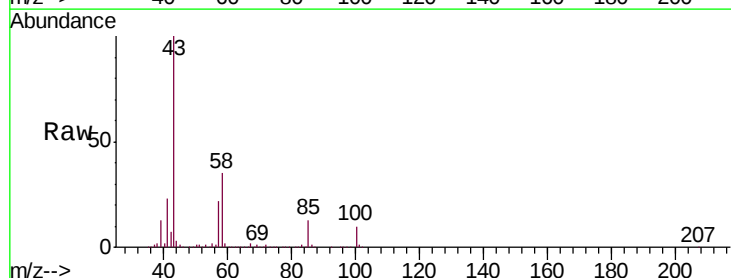
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

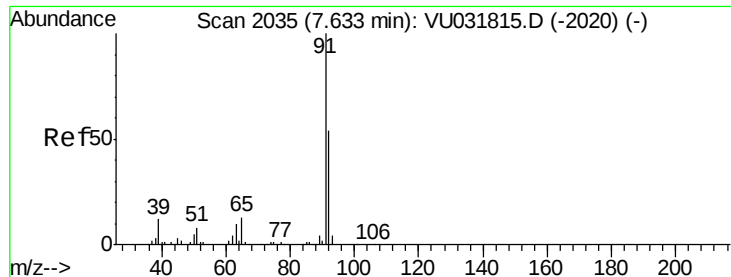
Tgt Ion: 75 Resp: 213444
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 60.109 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion: 43 Resp: 1182522
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.0 42.0
 100 10.3 8.2 12.4





#42

Toluene

Concen: 5.847 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

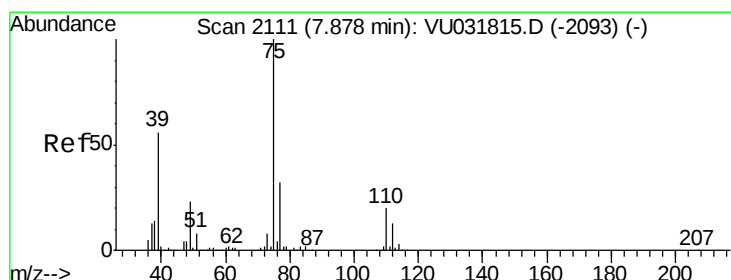
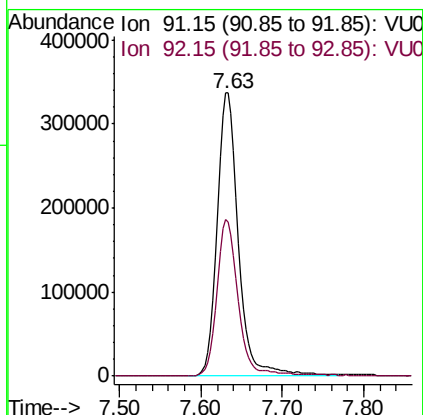
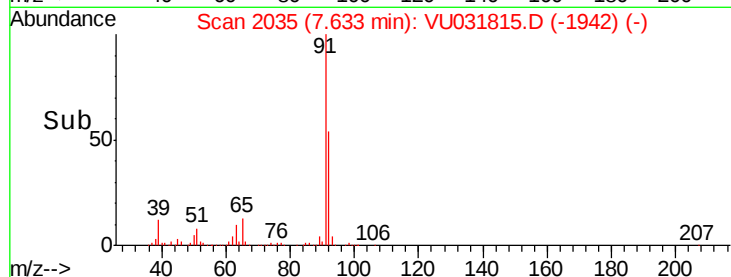
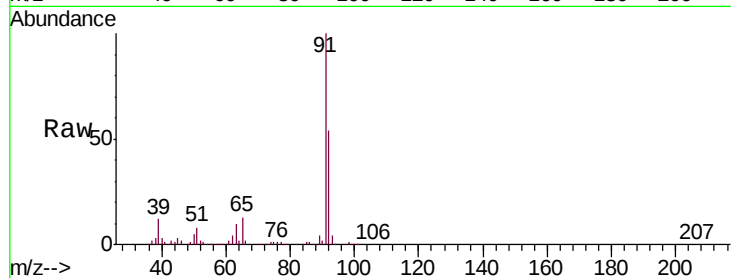
VSTD00507

Tgt Ion: 91 Resp: 626151

Ion Ratio Lower Upper

91 100

92 54.5 38.1 70.9



#44

trans-1,3-Dichloropropene

Concen: 5.706 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031815.D

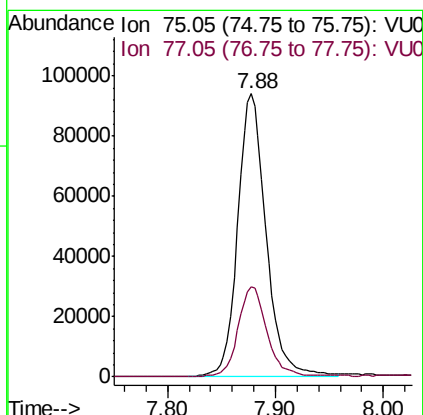
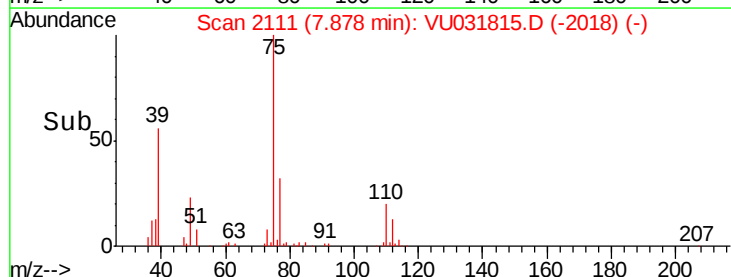
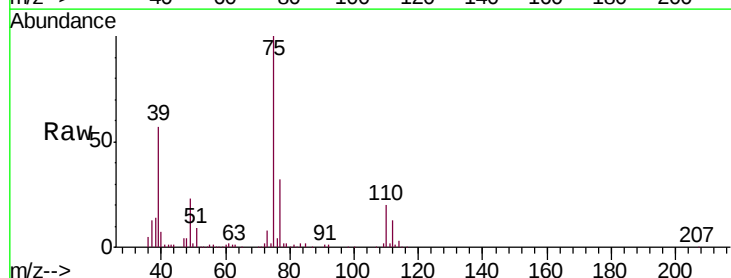
Acq: 08 May 2019 10:58

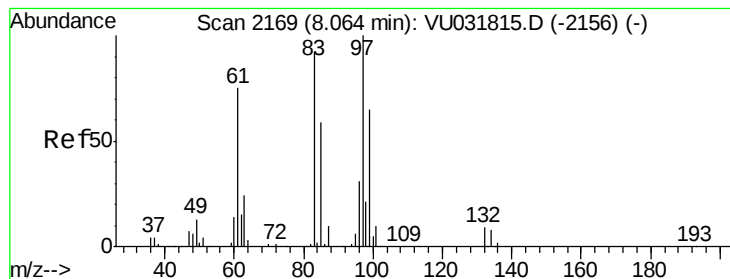
Tgt Ion: 75 Resp: 173505

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 5.235 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

Tgt Ion: 97 Resp: 98032

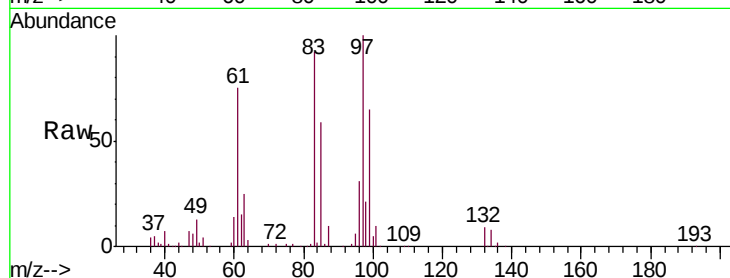
Ion Ratio Lower Upper

97 100

99 65.4 45.8 85.0

83 92.1 64.5 119.7

85 59.5 41.6 77.3

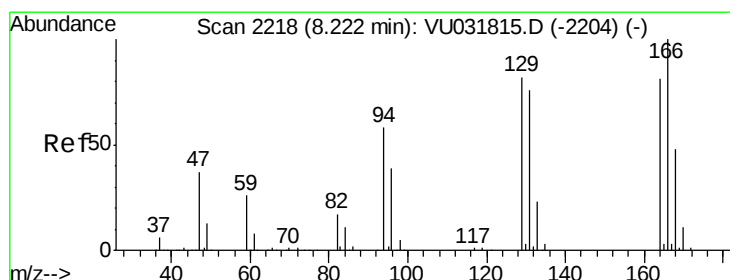
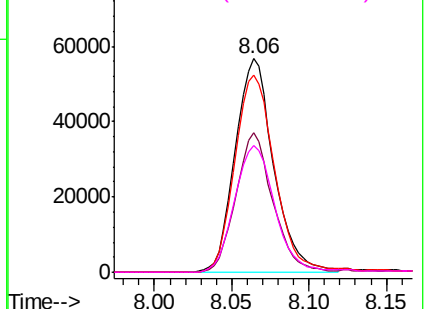
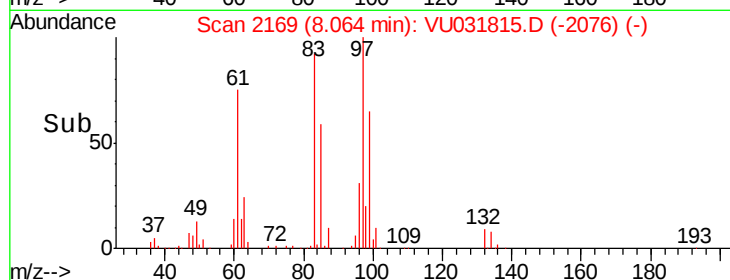


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.070 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Tgt Ion: 164 Resp: 95191

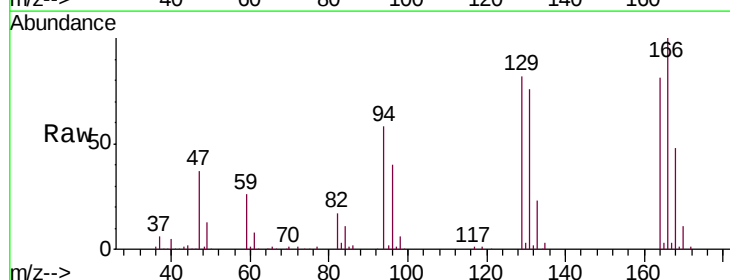
Ion Ratio Lower Upper

164 100

129 100.4 70.3 130.5

131 93.4 65.4 121.4

166 122.9 86.0 159.8

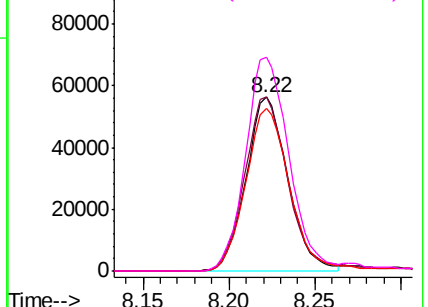
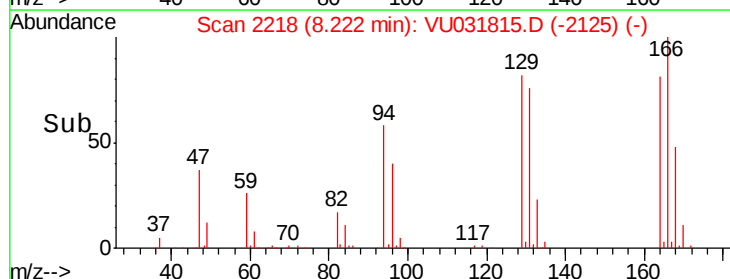


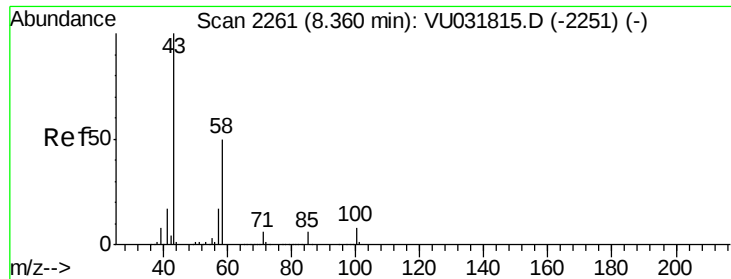
Abundance Ion 163.90 (163.60 to 164.60): V

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

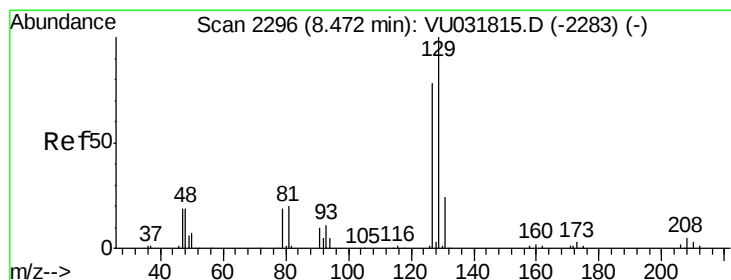
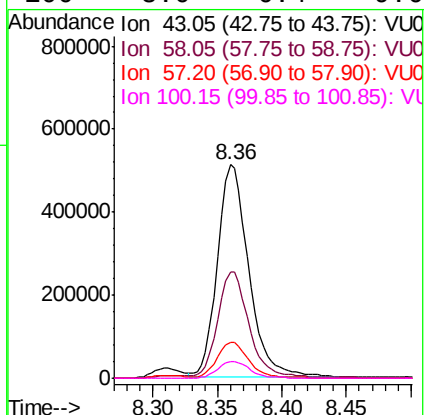
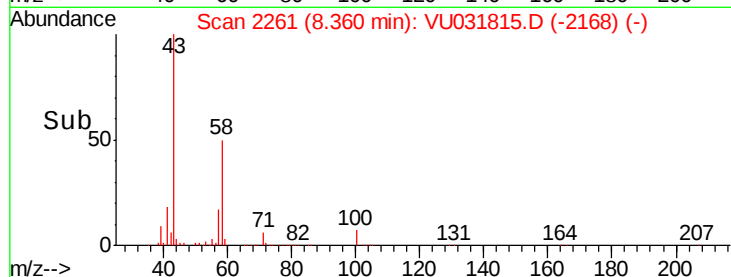
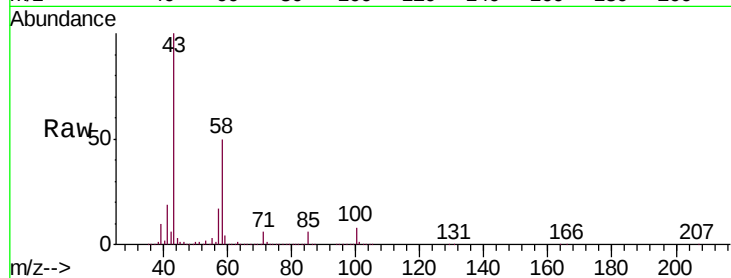




#48
2-Hexanone
Concen: 62.548 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

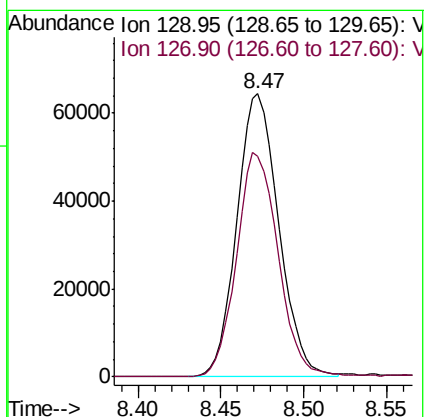
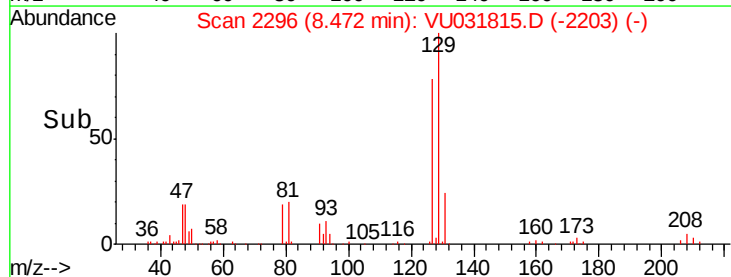
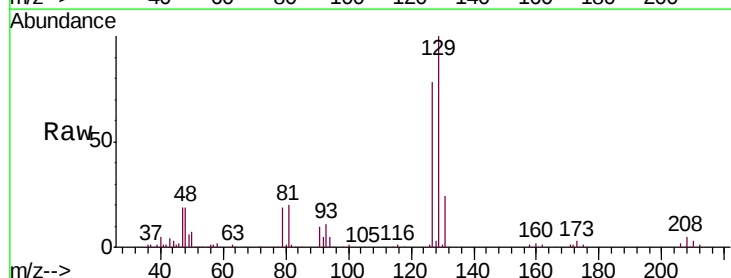
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

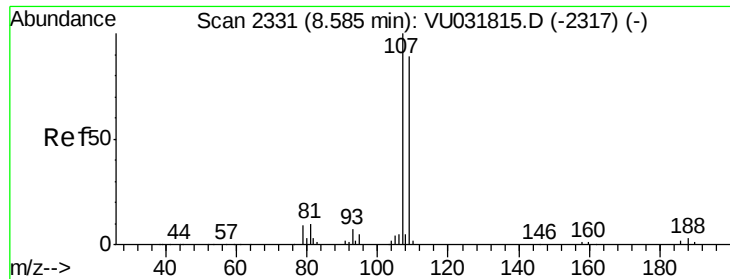
Tgt Ion:	43	Resp:	866755
Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.2	60.2
57	17.2	13.8	20.6
100	8.0	6.4	9.6



#49
Dibromochloromethane
Concen: 5.323 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion:	129	Resp:	113302
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.7	101.7

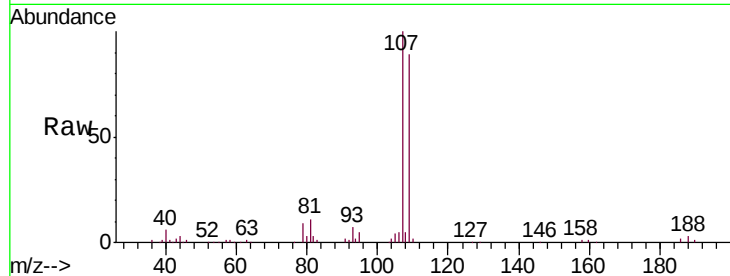




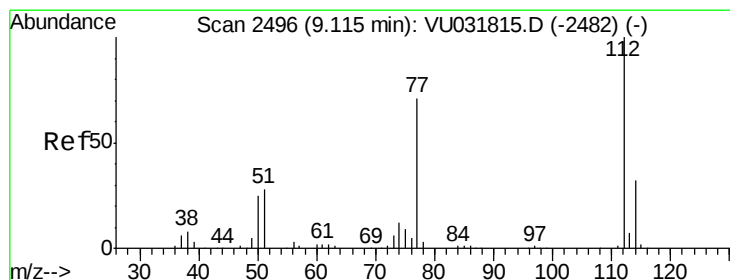
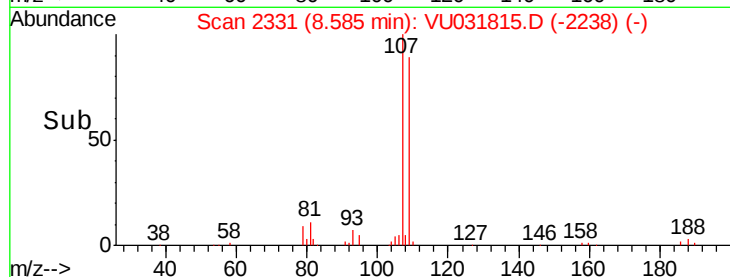
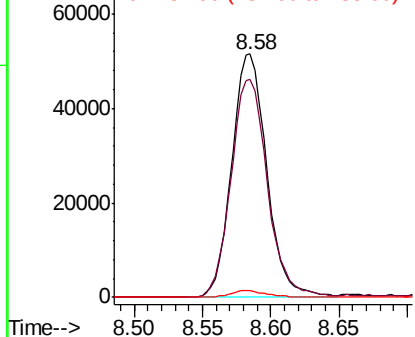
#50
1,2-Dibromoethane
Concen: 5.140 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tgt Ion:107 Resp: 91984
Ion Ratio Lower Upper
107 100
109 89.5 62.6 116.3
188 2.6 2.1 3.1

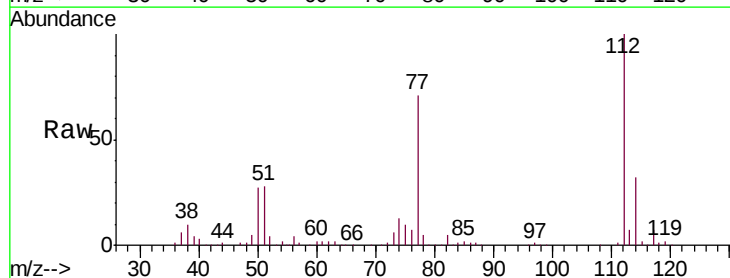


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

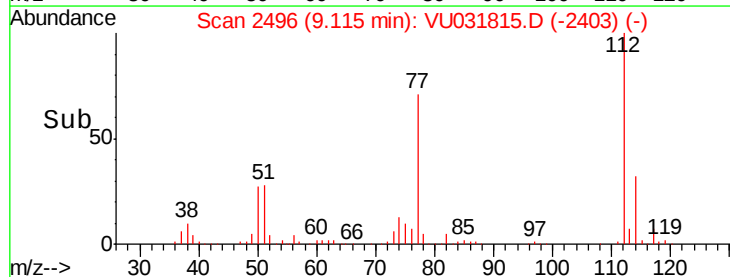
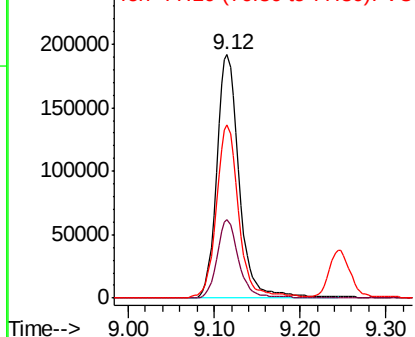


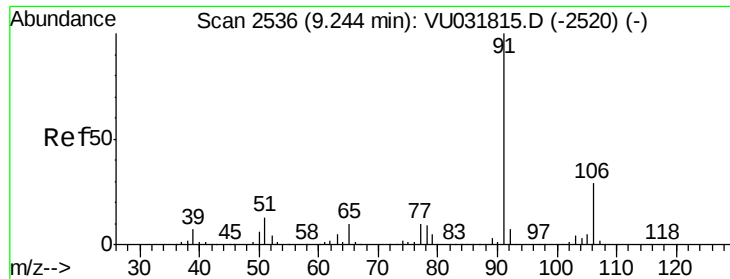
#51
Chlorobenzene
Concen: 5.494 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion:112 Resp: 349569
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 71.1 56.9 85.3



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: 5.609 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

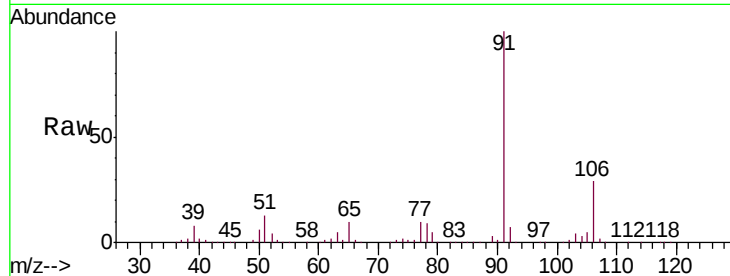
VSTD00507

Tgt Ion: 91 Resp: 629750

Ion Ratio Lower Upper

91 100

106 28.6 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU031815.D (-2520) (-)

Ion 106.15 (105.85 to 106.85): VU031815.D (-2520) (-)

9.24

400000

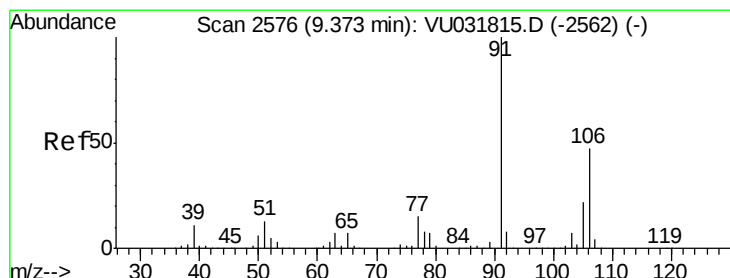
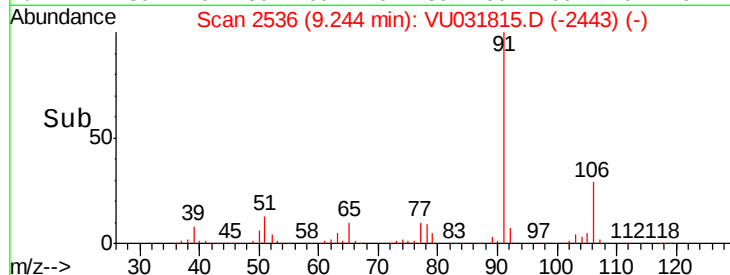
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 5.719 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031815.D

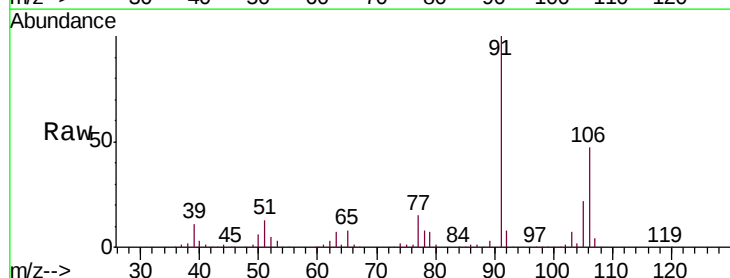
Acq: 08 May 2019 10:58

Tgt Ion: 106 Resp: 229879

Ion Ratio Lower Upper

106 100

91 214.7 150.3 279.1



Abundance Ion 106.15 (105.85 to 106.85): VU031815.D (-2562) (-)

Ion 91.15 (90.85 to 91.85): VU031815.D (-2562) (-)

9.37

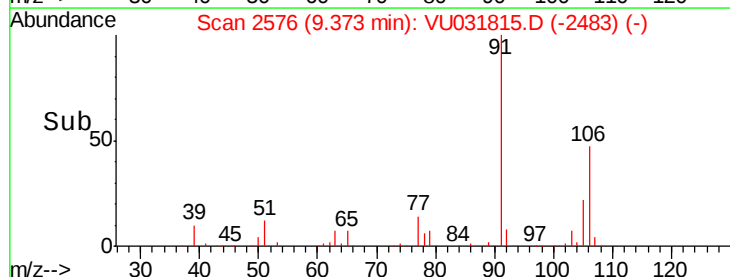
300000

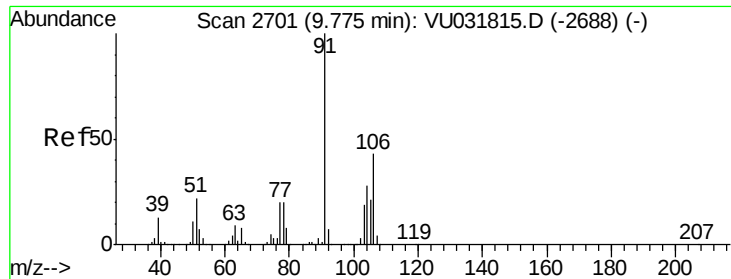
200000

100000

0

Time-->

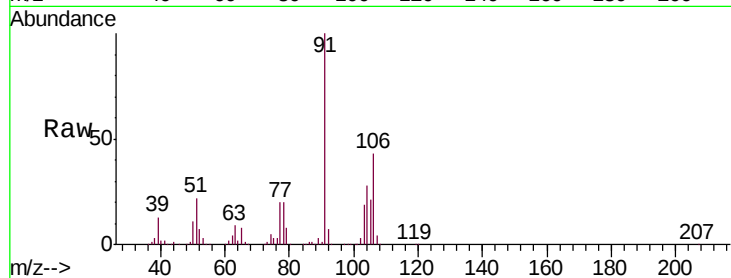




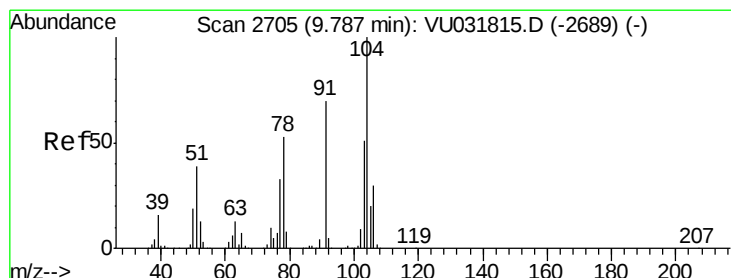
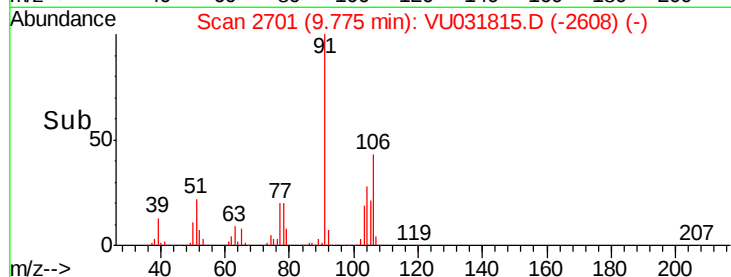
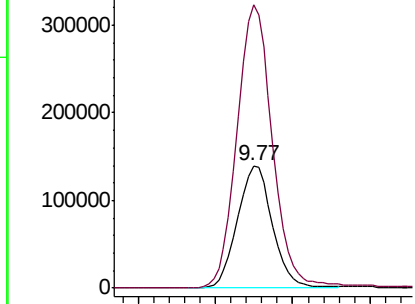
#54
o-Xylene
Concen: 5.639 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tgt Ion:106 Resp: 221260
Ion Ratio Lower Upper
106 100
91 231.2 161.8 300.6

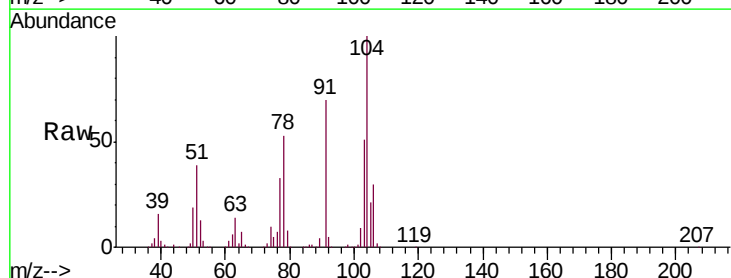


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

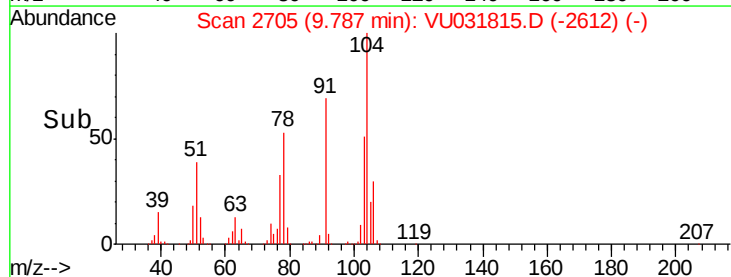
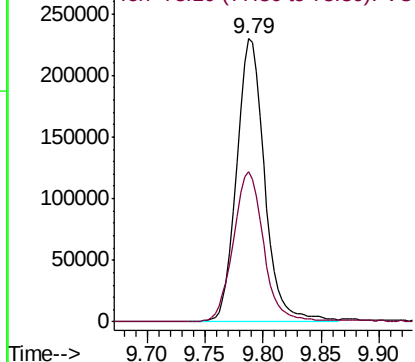


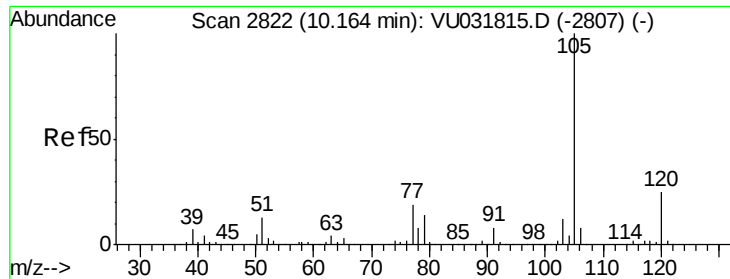
#55
Styrene
Concen: 5.891 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031815.D
Acq: 08 May 2019 10:58

Tgt Ion:104 Resp: 385065
Ion Ratio Lower Upper
104 100
78 53.1 37.2 69.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.582 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

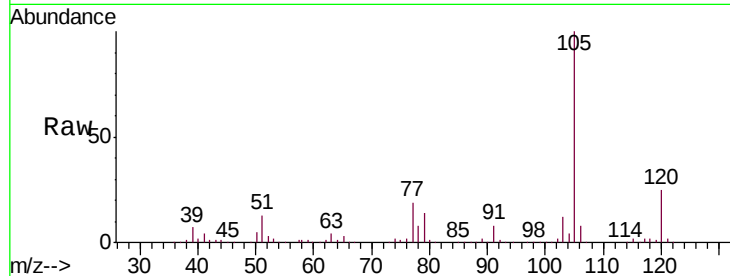
Tgt Ion: 105 Resp: 579279

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

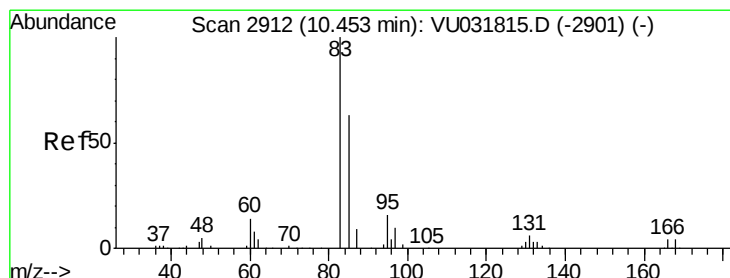
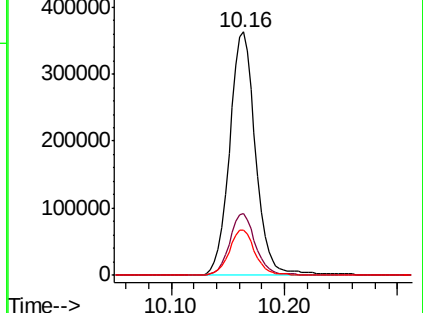
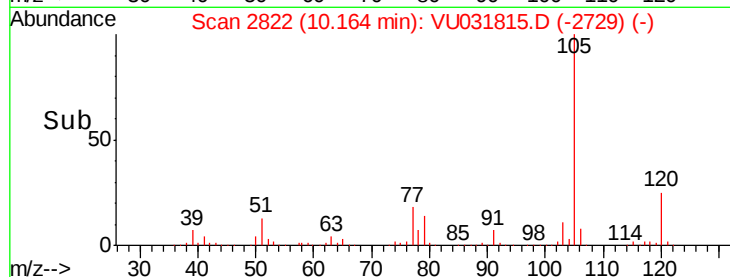
77 18.5 14.8 22.2



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: 5.454 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

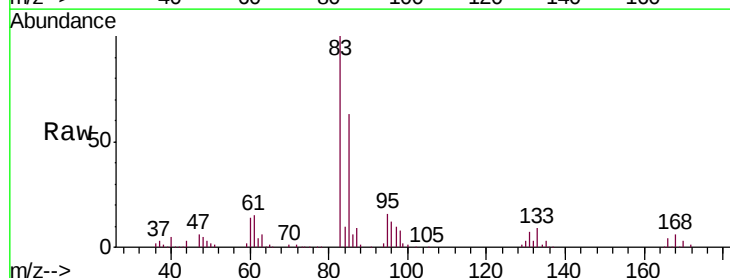
Tgt Ion: 83 Resp: 131911

Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

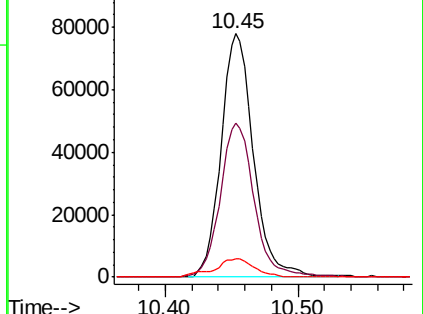
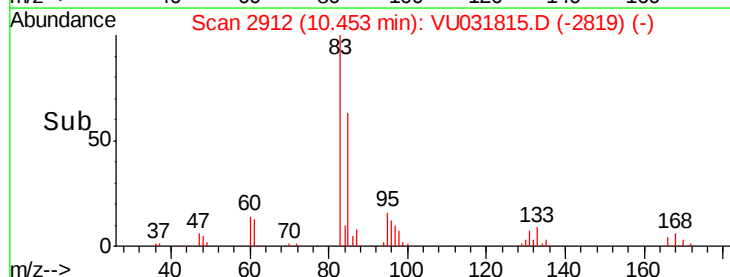
131 7.5 6.0 9.0

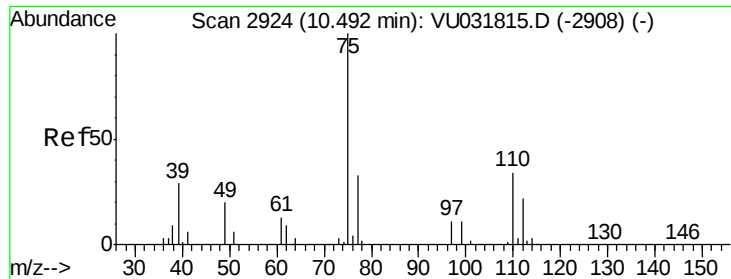


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

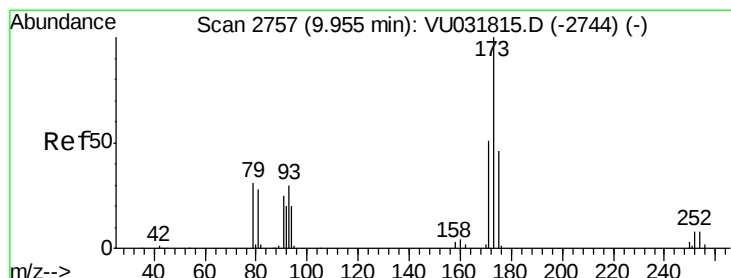
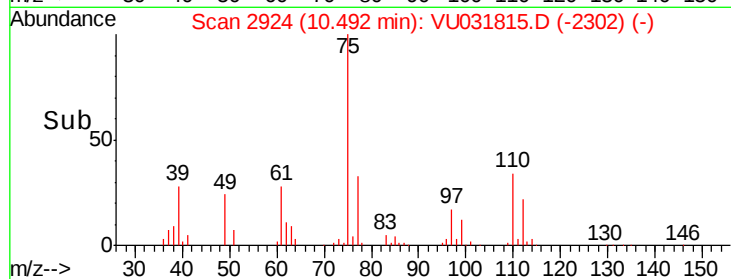
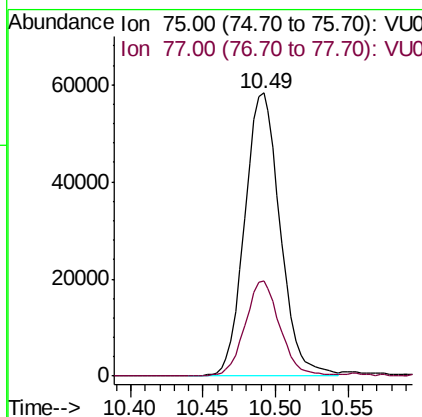
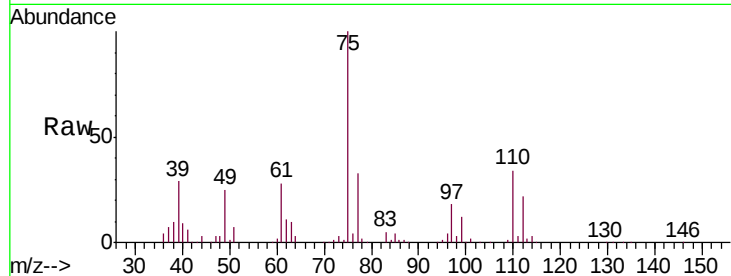




#59
 1,2,3-Trichloropropane
 Concen: 5.622 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

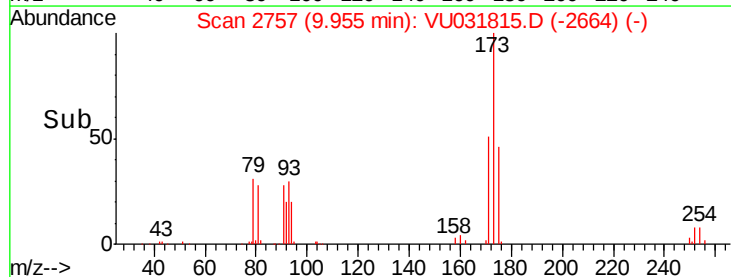
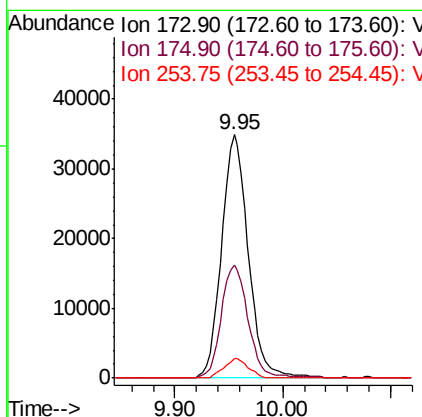
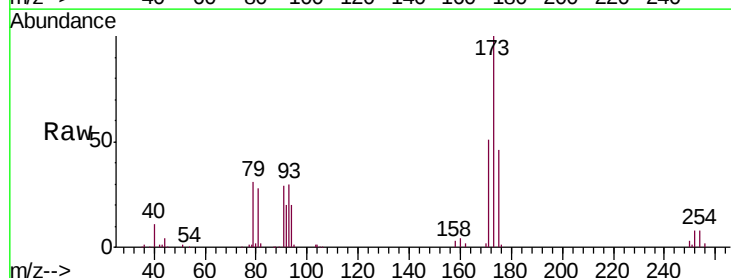
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

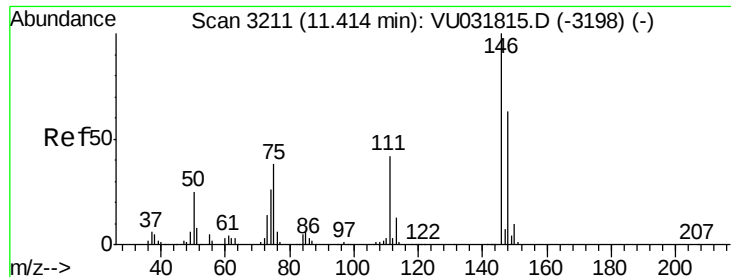
Tgt Ion: 75 Resp: 99609
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5



#61
 Bromoform
 Concen: 4.966 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031815.D
 Acq: 08 May 2019 10:58

Tgt Ion: 173 Resp: 60102
 Ion Ratio Lower Upper
 173 100
 175 46.5 37.2 55.8
 254 7.3 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.313 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampled :

VSTD00507

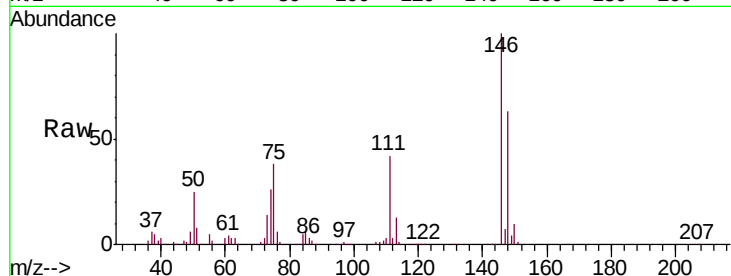
Tgt Ion:146 Resp: 246097

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

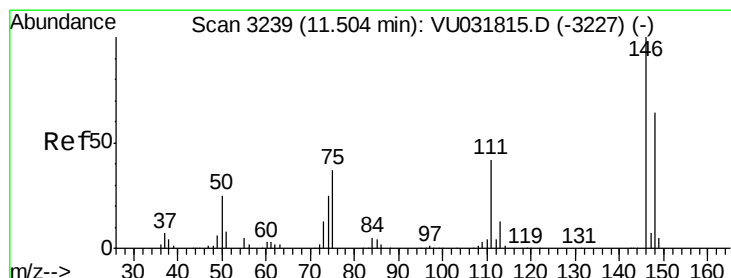
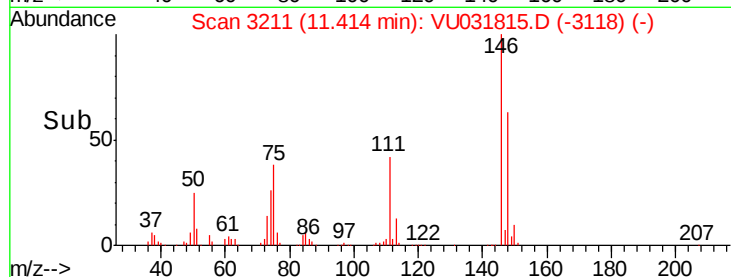
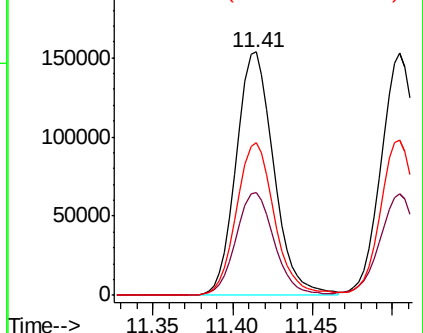
148 62.8 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 5.195 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

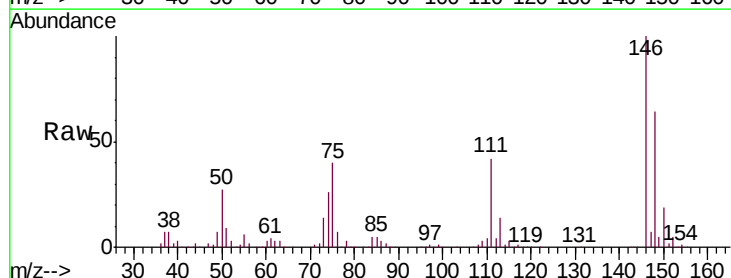
Tgt Ion:146 Resp: 250888

Ion Ratio Lower Upper

146 100

111 42.1 29.5 54.7

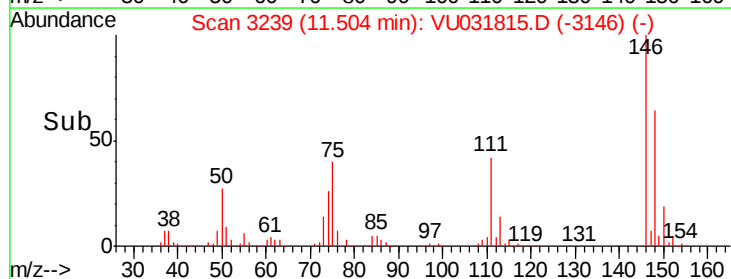
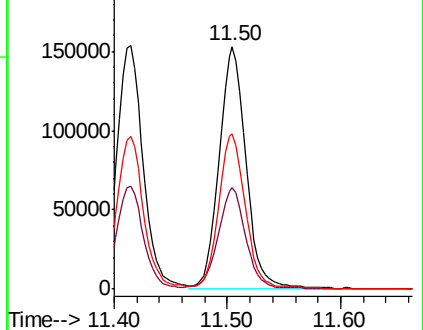
148 64.0 44.8 83.2

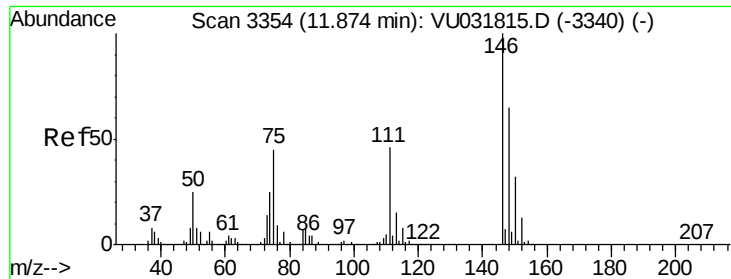


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.298 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

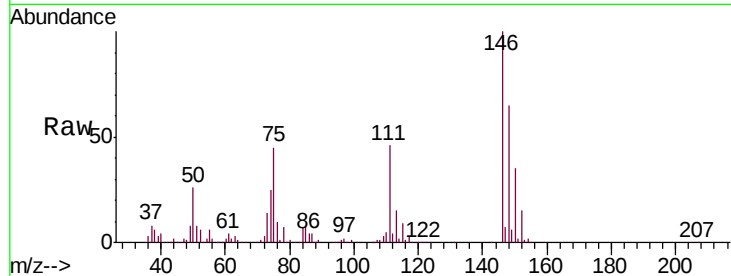
Tgt Ion:146 Resp: 243944

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

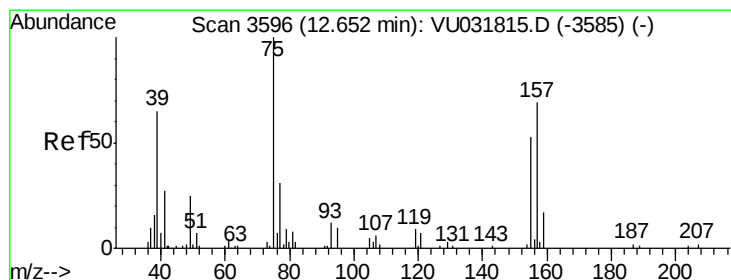
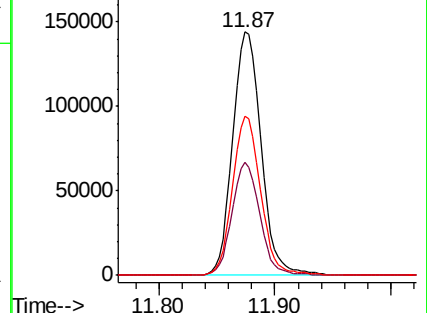
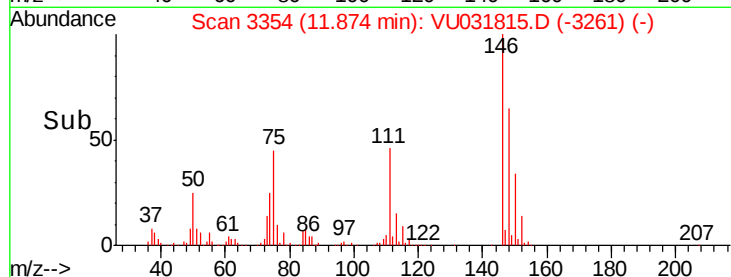
148 65.3 52.2 78.4



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: 5.696 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

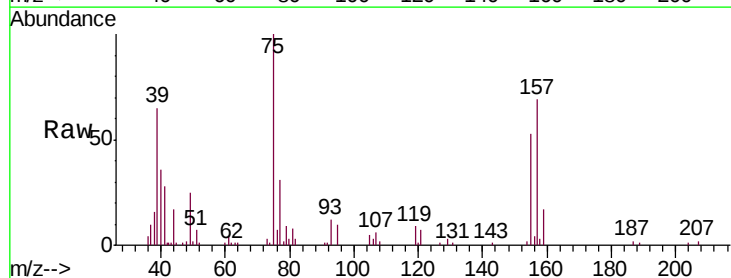
Tgt Ion: 75 Resp: 22116

Ion Ratio Lower Upper

75 100

155 52.7 42.2 63.2

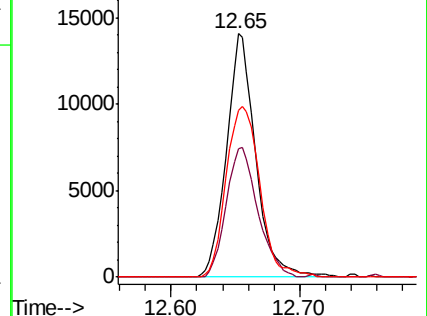
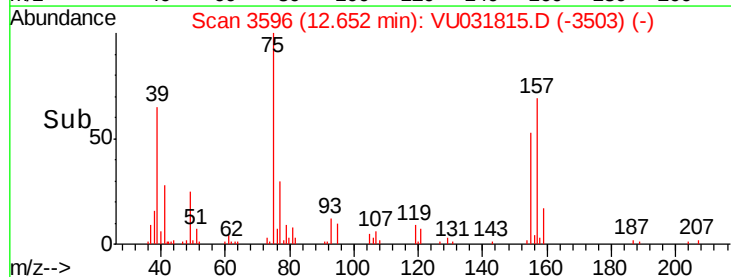
157 68.6 54.9 82.3

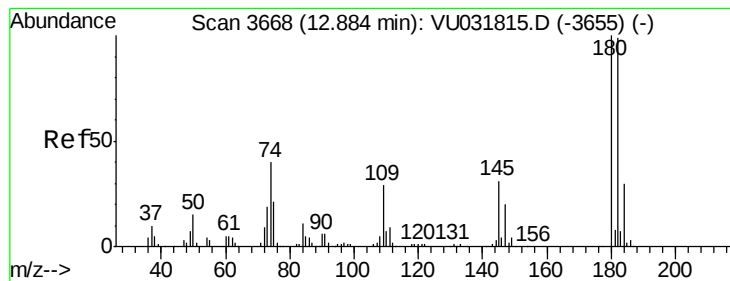


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.359 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

Tgt Ion:180 Resp: 189679

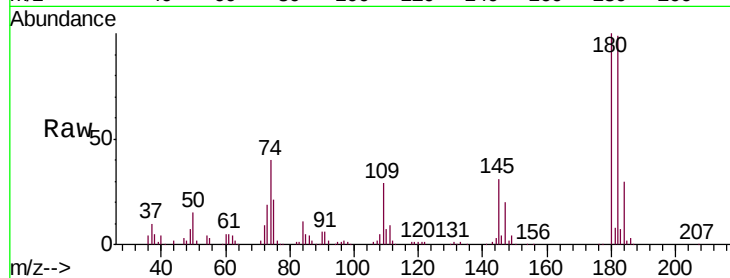
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

184 30.1 24.1 36.1

145 30.6 24.5 36.7

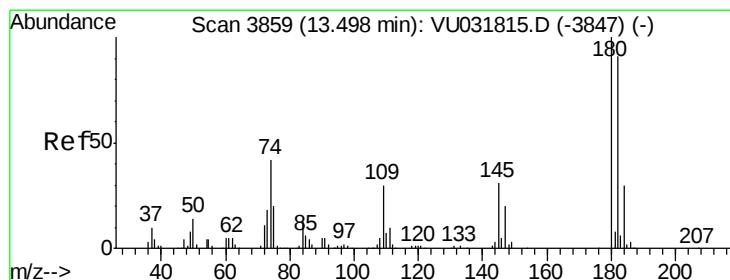
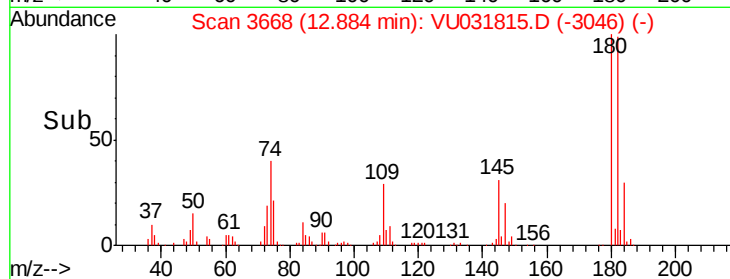
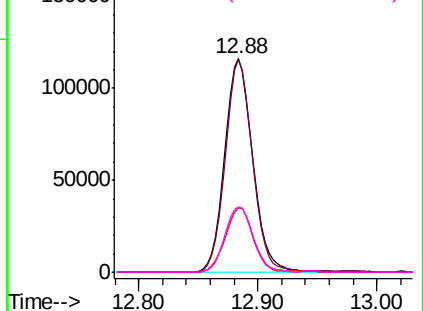


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.216 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

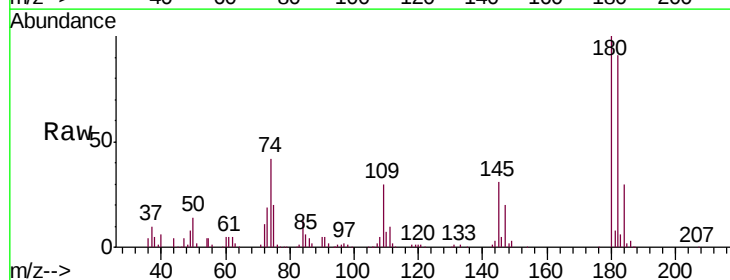
Tgt Ion:180 Resp: 144031

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

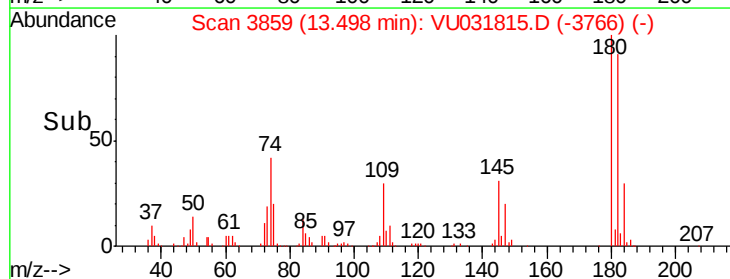
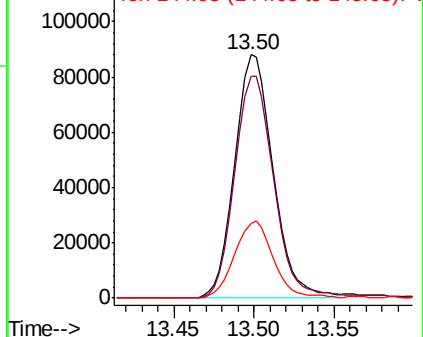
145 31.8 25.4 38.2

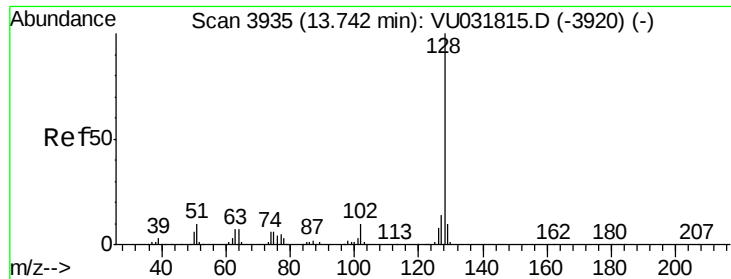


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.511 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

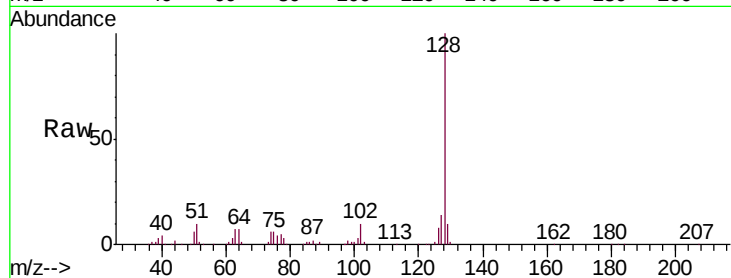
Tgt Ion:128 Resp: 234871

Ion Ratio Lower Upper

128 100

129 10.0 8.0 12.0

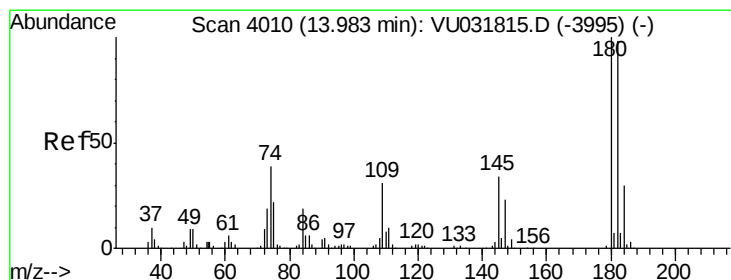
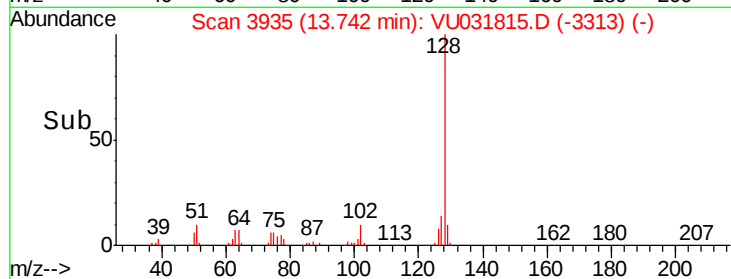
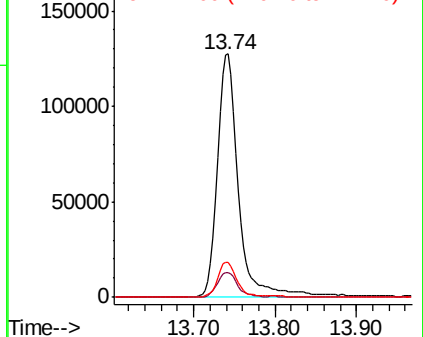
127 13.4 10.7 16.1



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: 5.038 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031815.D

Acq: 08 May 2019 10:58

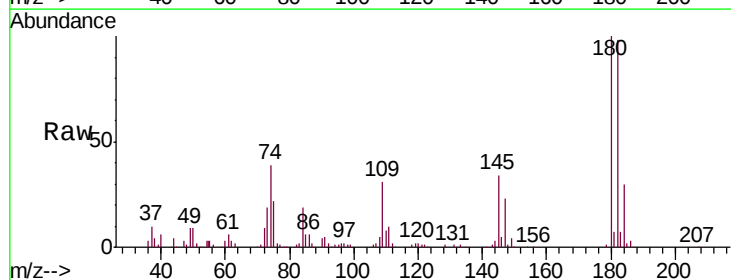
Tgt Ion:180 Resp: 136263

Ion Ratio Lower Upper

180 100

182 98.0 78.4 117.6

145 34.2 27.4 41.0



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

