

Data File : VU031460.D
Acq On : 24 Apr 2019 10:44
Operator : JC/SP
Sample : VSTD00506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Quant Time: Apr 25 05:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	376640	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360096	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160793	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155720	3.88	ug/L	0.00
7) Chloroethane-d5	1.68	69	115396	3.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	289772	3.70	ug/L	0.00
20) 2-Butanone-d5	4.21	46	431953	52.89	ug/L	0.00
24) Chloroform-d	4.64	84	247751	4.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	128908	4.62	ug/L	0.00
32) Benzene-d6	5.33	84	496061	4.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	161719	5.15	ug/L	0.00
41) Toluene-d8	7.56	98	439341	4.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	64393	5.14	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	329321	55.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129704	4.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	148866	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	166017	4.039 ug/L	100
3) Chloromethane	1.32	50	204660	3.680 ug/L	100
5) Vinyl chloride	1.40	62	202430	3.611 ug/L	100
6) Bromomethane	1.63	94	100979	3.298 ug/L	100
8) Chloroethane	1.70	64	113688	3.542 ug/L	100
9) Trichlorofluoromethane	1.88	101	232108	3.301 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	132262	3.471 ug/L	100
12) 1,1-Dichloroethene	2.28	96	133145	3.500 ug/L	100
13) Acetone	2.35	43	297477	35.030 ug/L	100
14) Carbon disulfide	2.47	76	449153	3.540 ug/L	100
15) Methyl Acetate	2.63	43	81057	3.439 ug/L	100
16) Methylene chloride	2.70	84	149166	3.214 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	380214	3.686 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	140348	3.479 ug/L	100
19) 1,1-Dichloroethane	3.44	63	269489	4.751 ug/L	100
21) 2-Butanone	4.30	43	475113	50.755 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	146156	4.483 ug/L	100
23) Bromochloromethane	4.54	128	64273	4.464 ug/L	100
25) Chloroform	4.67	83	249647	4.350 ug/L	100
27) 1,2-Dichloroethane	5.40	62	162653	4.380 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	210258	4.442 ug/L	100
30) Cyclohexane	4.98	56	252156	5.023 ug/L	100
31) Carbon tetrachloride	5.13	117	183548	4.316 ug/L	100
33) Benzene	5.38	78	566973	4.695 ug/L	100
34) Trichloroethene	6.18	95	147154	4.476 ug/L	100
35) Methylcyclohexane	6.41	83	220680	4.825 ug/L	100
37) 1,2-Dichloropropane	6.43	63	151671	4.723 ug/L	100
38) Bromodichloromethane	6.75	83	176962	4.504 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	211570	4.940 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1055399	50.751 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	571238	4.709	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	166224	4.730	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	107156	4.677	ug/L	100
47) Tetrachloroethene	8.22	164	107015	4.427	ug/L	100
48) 2-Hexanone	8.36	43	764982	51.972	ug/L	100
49) Dibromochloromethane	8.47	129	115651	4.314	ug/L	100
50) 1,2-Dibromoethane	8.58	107	102766	4.763	ug/L	100
51) Chlorobenzene	9.12	112	349672	4.611	ug/L	100
52) Ethylbenzene	9.25	91	615101	4.855	ug/L	100
53) m,p-Xylene	9.37	106	219108	4.831	ug/L	100
54) o-Xylene	9.78	106	222384	4.960	ug/L	100
55) Styrene	9.79	104	376038	5.052	ug/L	100
56) Isopropylbenzene	10.16	105	578837	4.923	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	134373	4.621	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	97816	4.679	ug/L	100
61) Bromoform	9.95	173	66240	4.367	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	249673	4.761	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	253099	4.785	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	244530	4.628	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	21410	4.951	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	187239	4.383	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	148991	4.830	ug/L	100
69) Naphthalene	13.74	128	292059	4.681	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	146153	4.749	ug/L	100

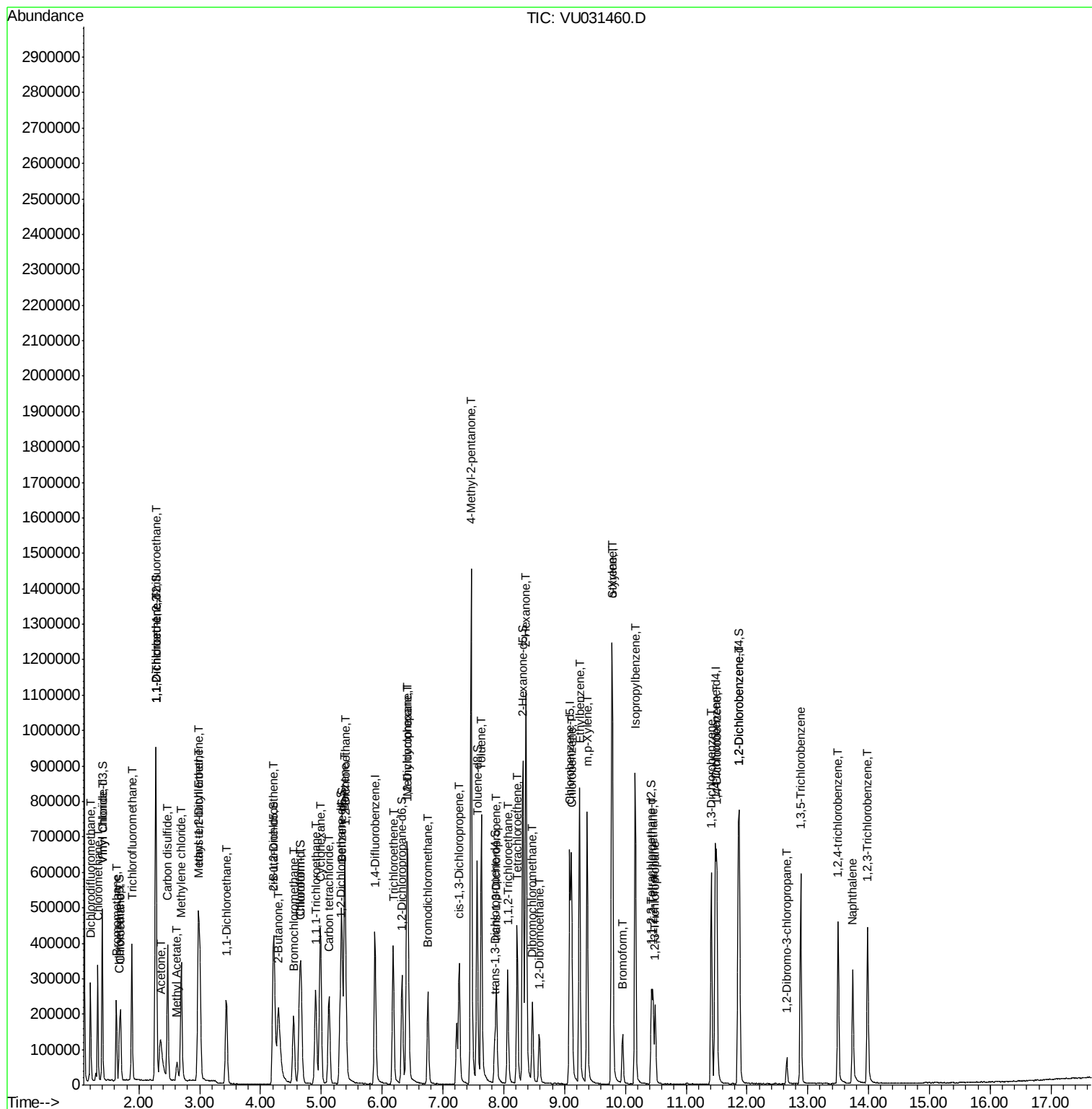
(#) = qualifier out of range (m) = manual integration (+) = signals summed

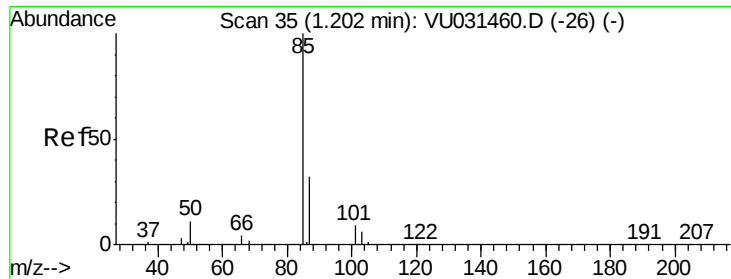
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#2

Dichlorodifluoromethane

Concen: 4.039 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

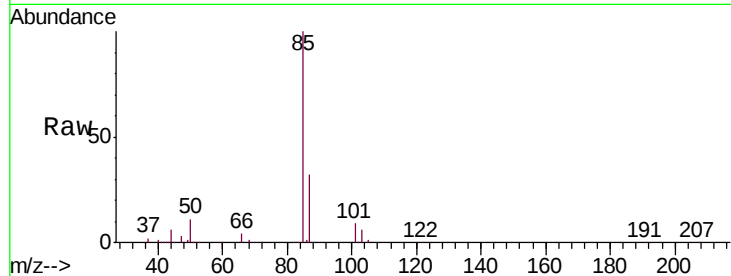
VSTD00506

Tgt Ion: 85 Resp: 166017

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031460.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031460.D (-26) (-)

1.20

150000

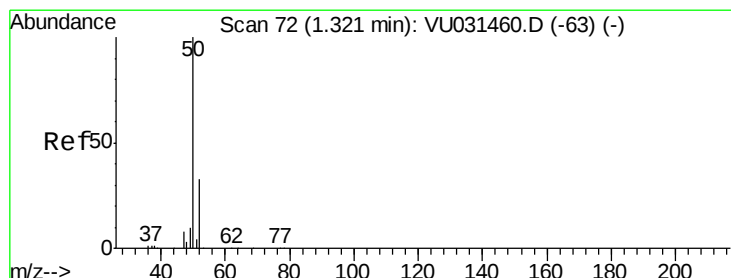
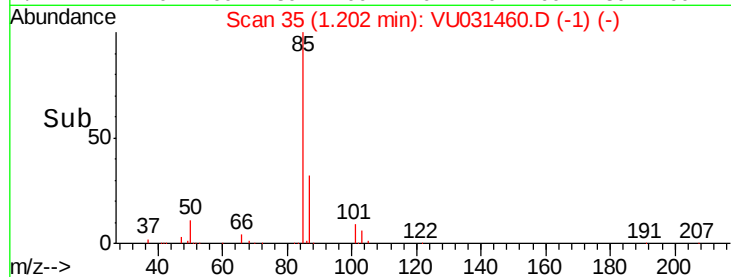
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 3.680 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031460.D

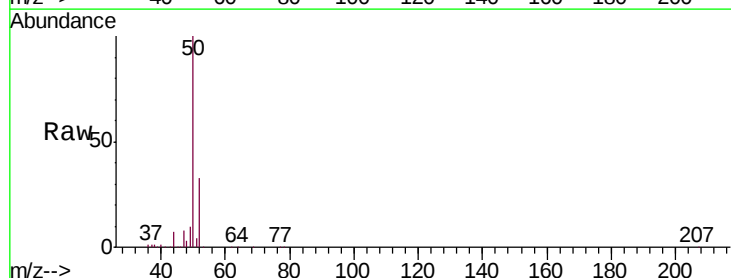
Acq: 24 Apr 2019 10:44

Tgt Ion: 50 Resp: 204660

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031460.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031460.D (-63) (-)

1.32

200000

150000

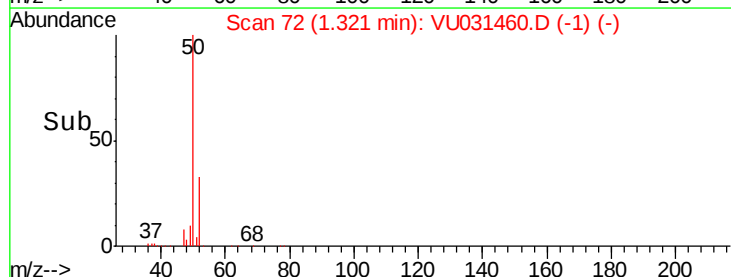
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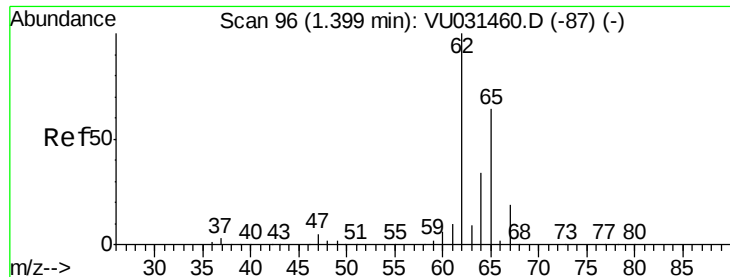
50000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 3.611 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

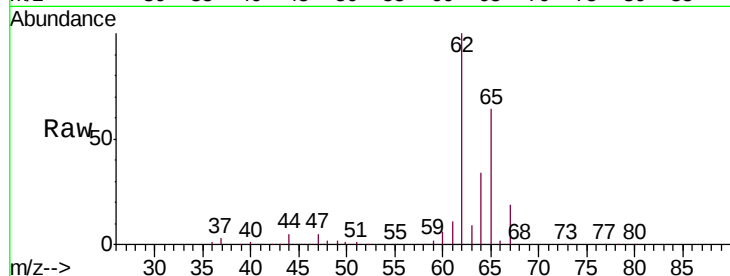
VSTD00506

Tgt Ion: 62 Resp: 202430

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031460.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031460.D (-87) (-)

1.40

200000

150000

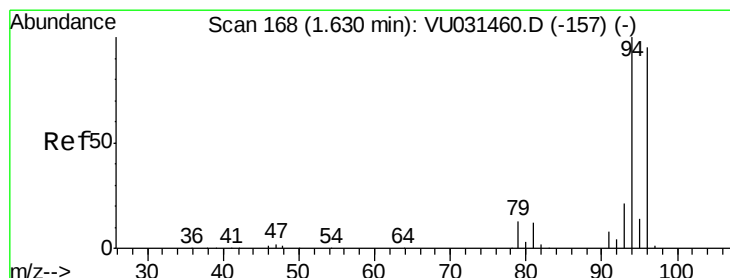
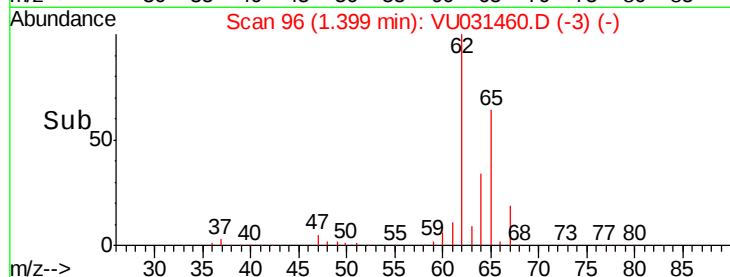
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 3.298 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031460.D

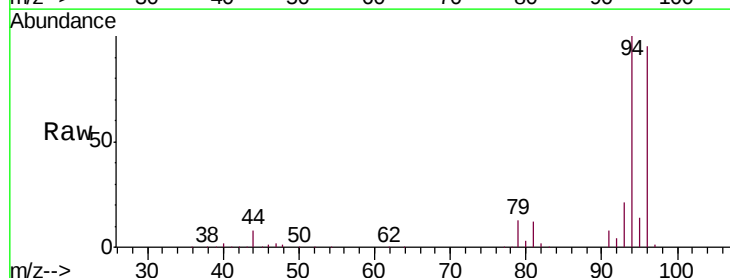
Acq: 24 Apr 2019 10:44

Tgt Ion: 94 Resp: 100979

Ion Ratio Lower Upper

94 100

96 94.7 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031460.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031460.D (-157) (-)

1.63

80000

60000

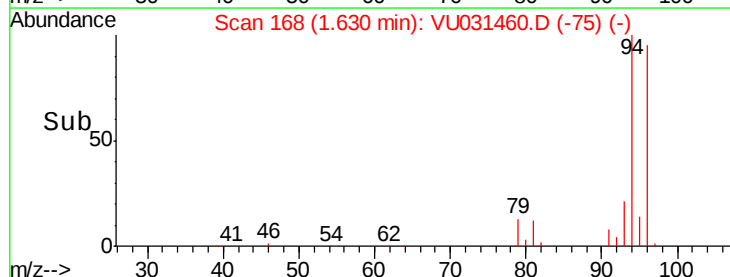
40000

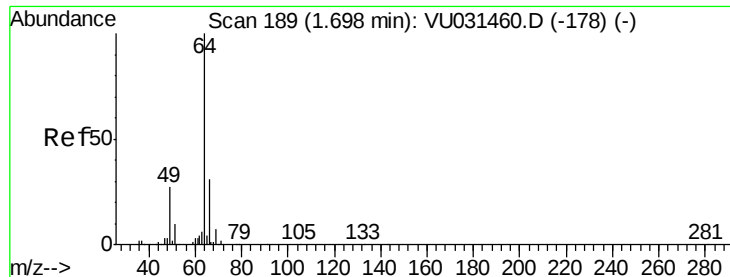
20000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 3.542 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

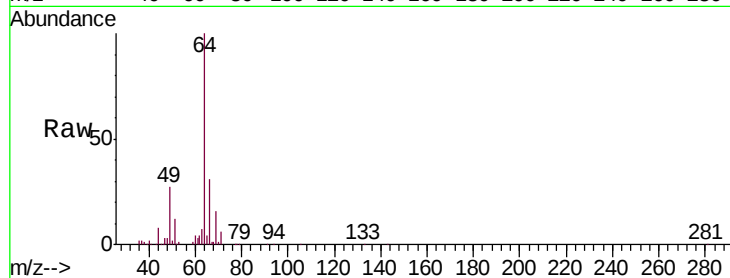
VSTD00506

Tgt Ion: 64 Resp: 113688

Ion Ratio Lower Upper

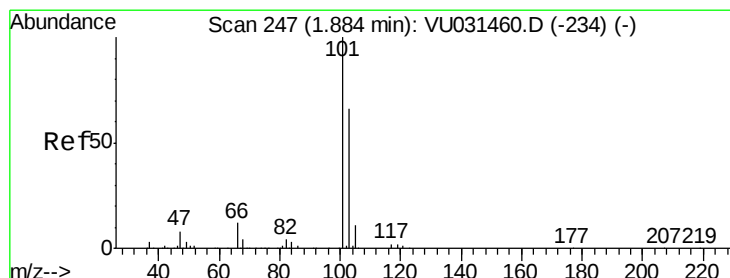
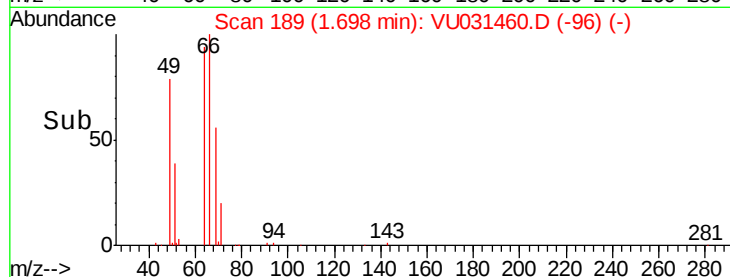
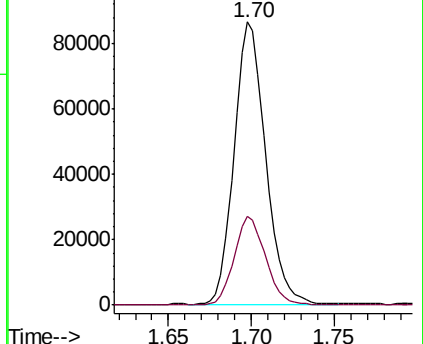
64 100

66 31.4 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU031460.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031460.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 3.301 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031460.D

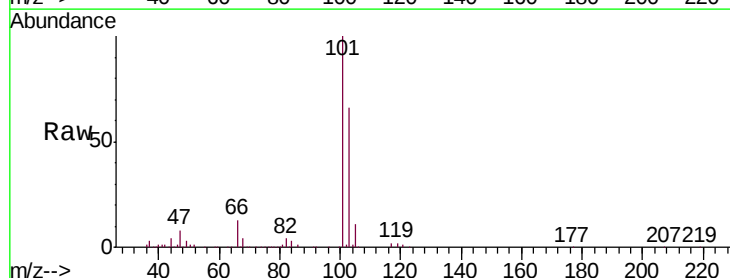
Acq: 24 Apr 2019 10:44

Tgt Ion: 101 Resp: 232108

Ion Ratio Lower Upper

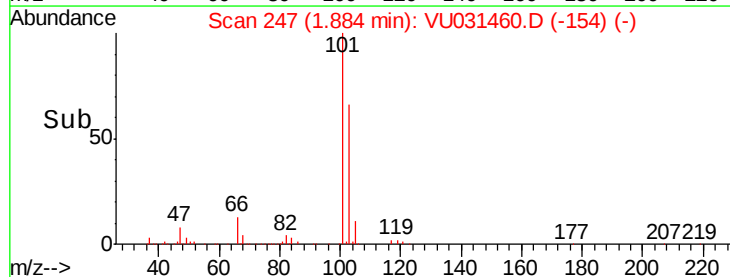
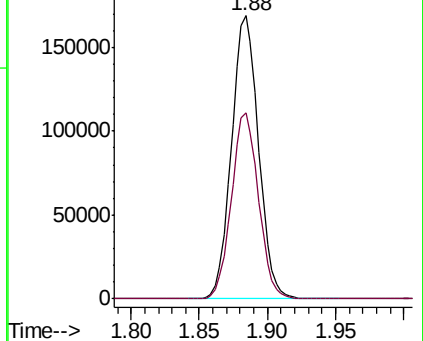
101 100

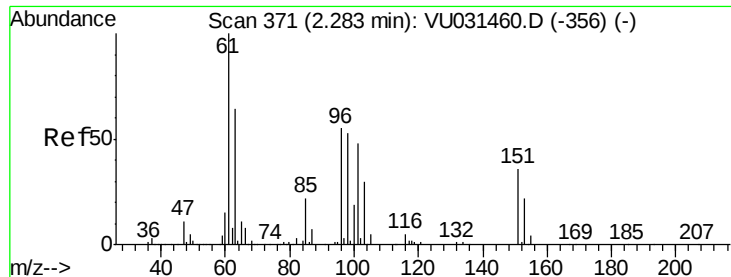
103 65.9 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU031460.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031460.D (-234) (-)





#10

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

Concen: 3.471 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

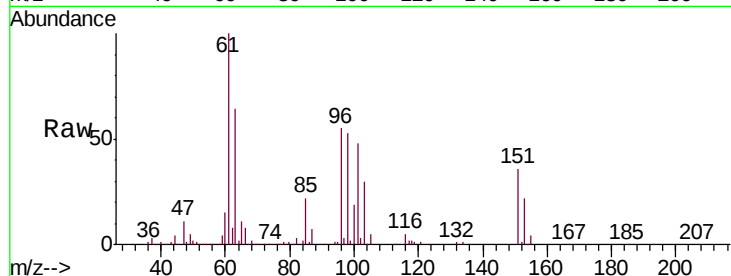
Tgt Ion: 101 Resp: 132262

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

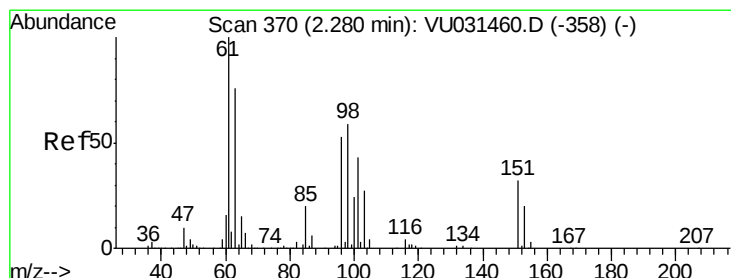
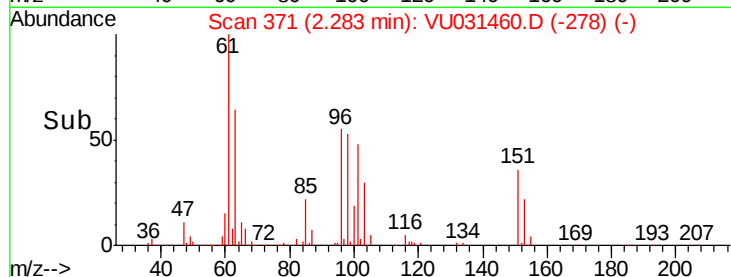
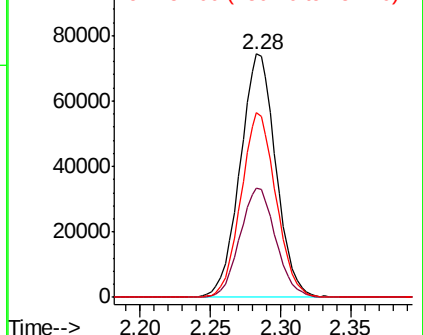
151 74.0 59.2 88.8



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: 3.500 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

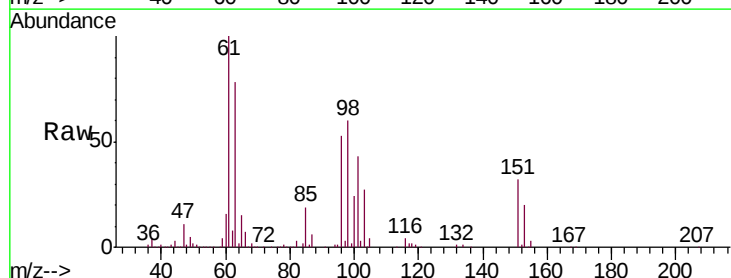
Tgt Ion: 96 Resp: 133145

Ion Ratio Lower Upper

96 100

61 187.5 131.3 243.8

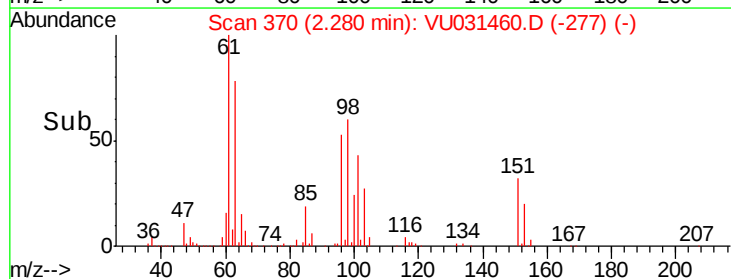
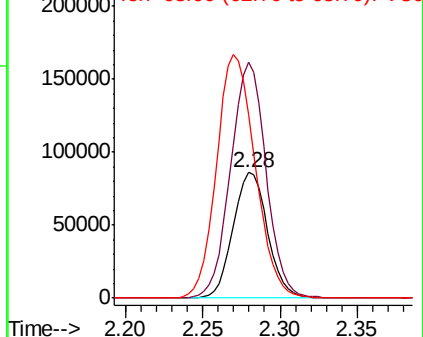
63 145.6 101.9 189.3

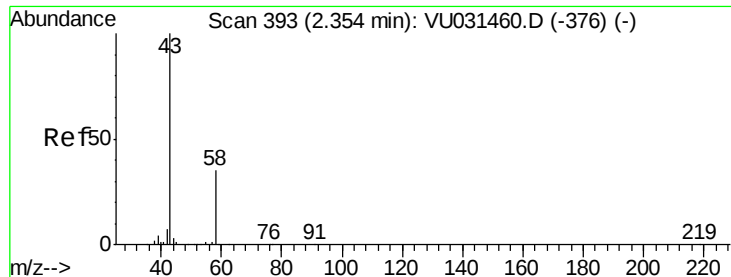


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.030 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.00 min

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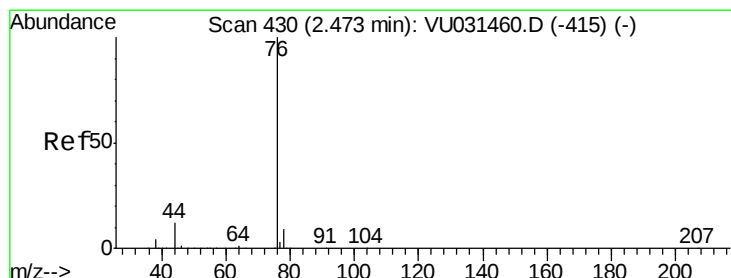
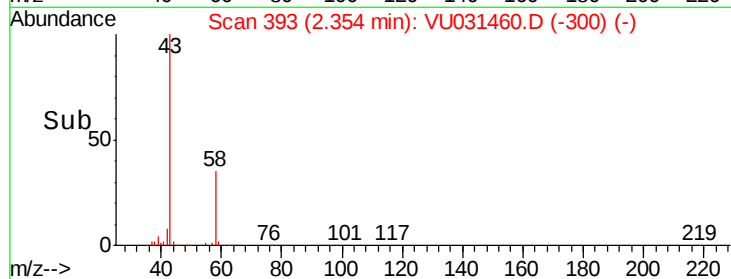
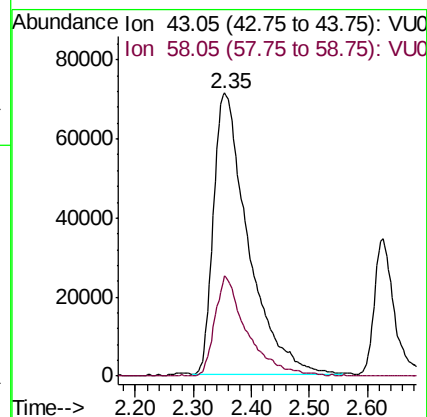
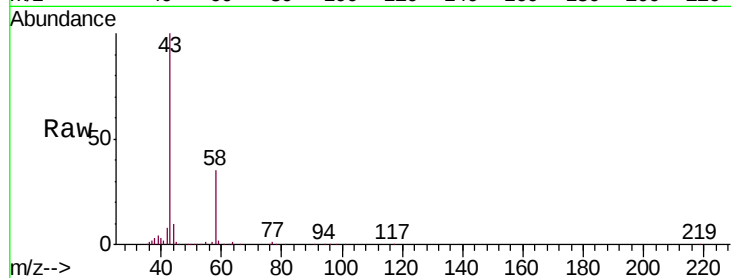
VSTD00506

Tgt Ion: 43 Resp: 297477

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.4



#14

Carbon disulfide

Concen: 3.540 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031460.D

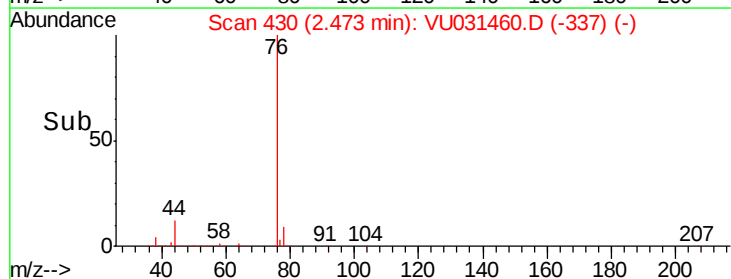
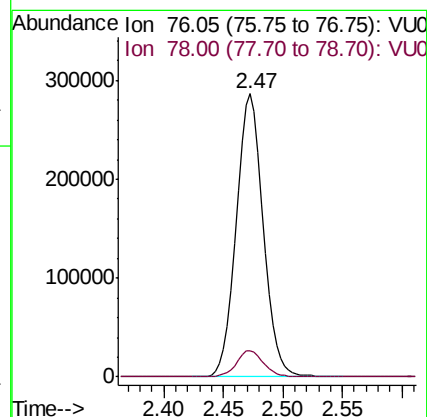
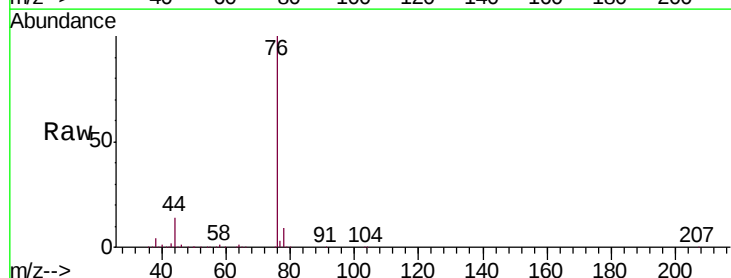
Acq: 24 Apr 2019 10:44

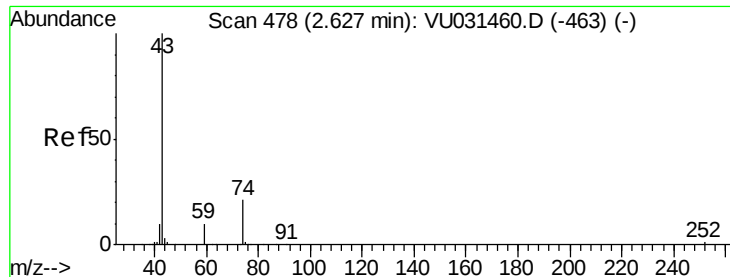
Tgt Ion: 76 Resp: 449153

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

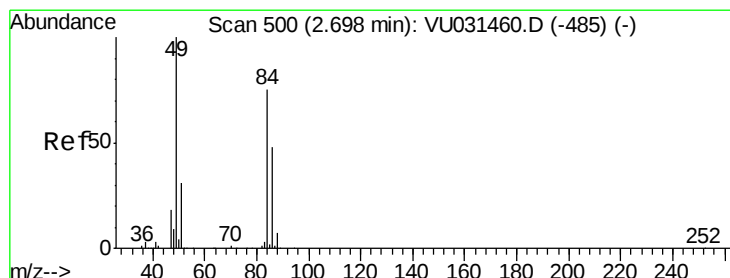
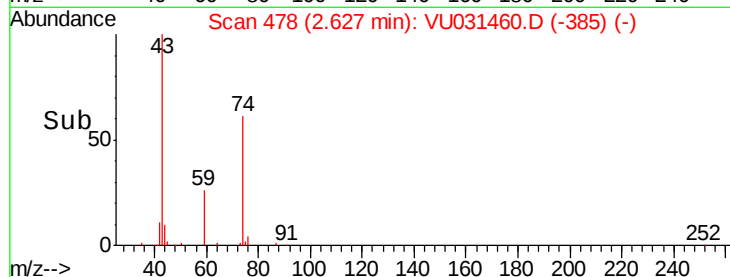
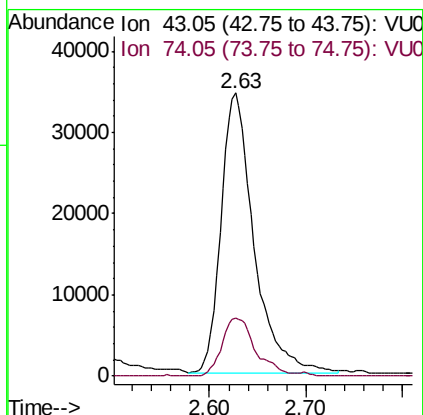
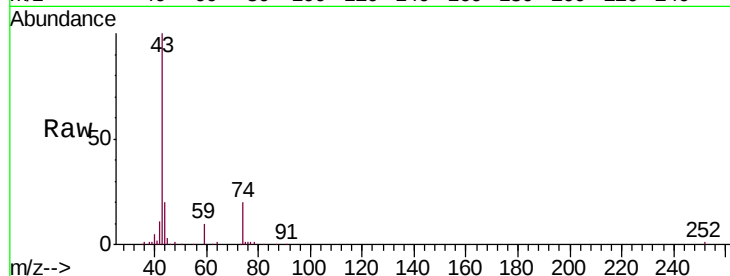




#15
Methyl Acetate
Concen: 3.439 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

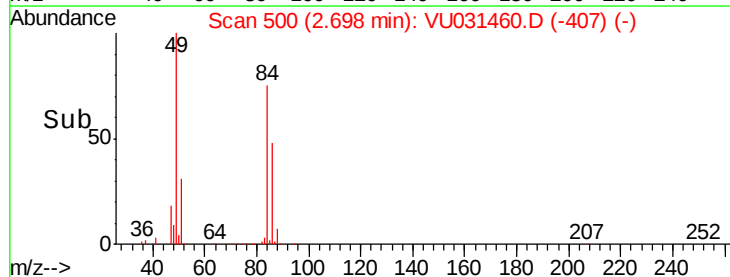
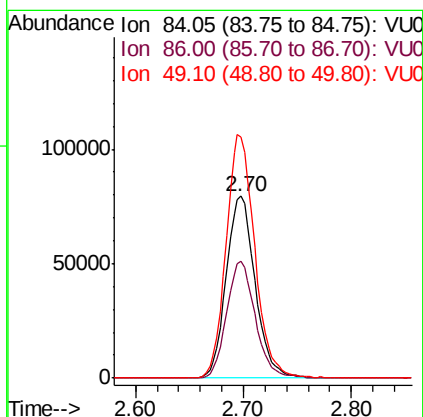
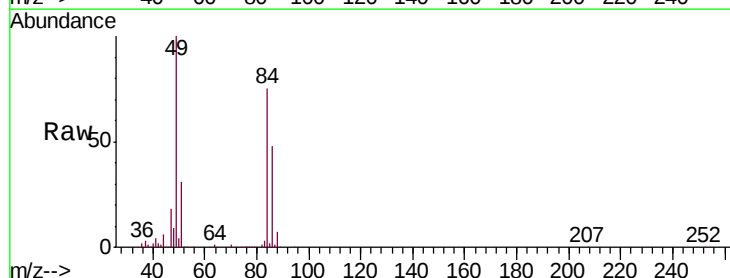
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

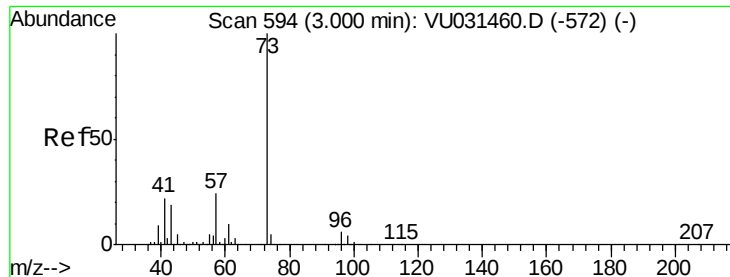
Tgt Ion: 43 Resp: 81057
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7



#16
Methylene chloride
Concen: 3.214 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion: 84 Resp: 149166
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 132.7 92.9 172.5





#17

Methyl tert-butyl Ether

Concen: 3.686 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

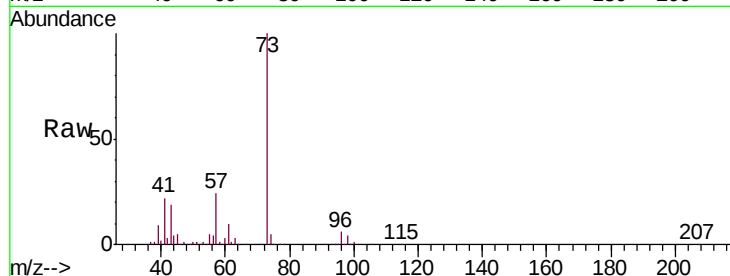
Tgt Ion: 73 Resp: 380214

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

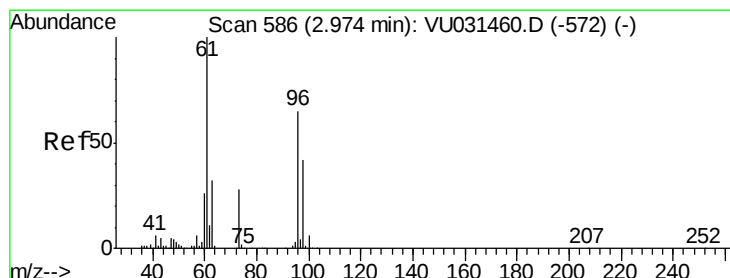
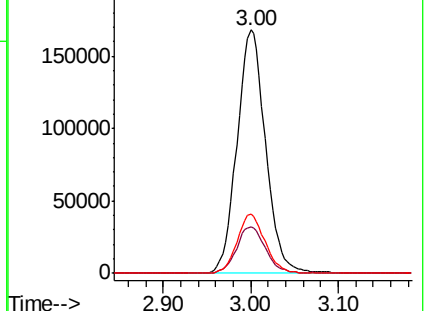
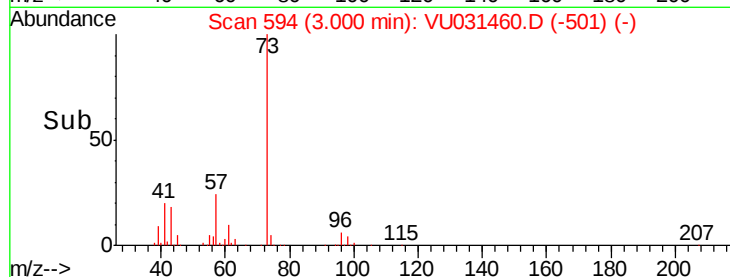
57 23.9 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU031460.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU031460.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU031460.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 3.479 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

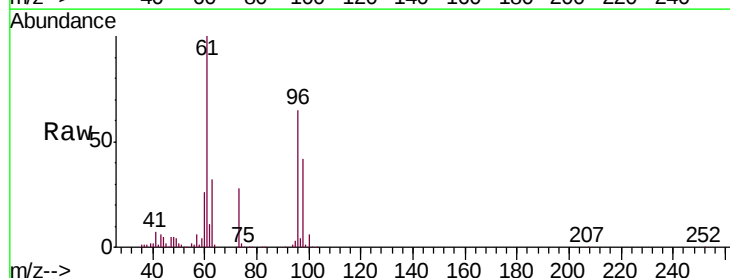
Tgt Ion: 96 Resp: 140348

Ion Ratio Lower Upper

96 100

61 154.8 108.4 201.2

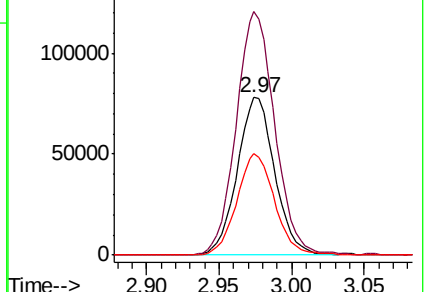
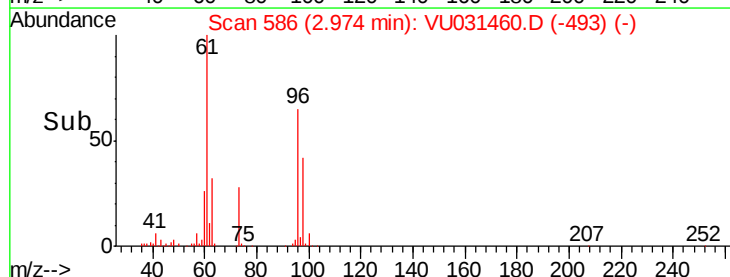
98 64.5 45.1 83.9

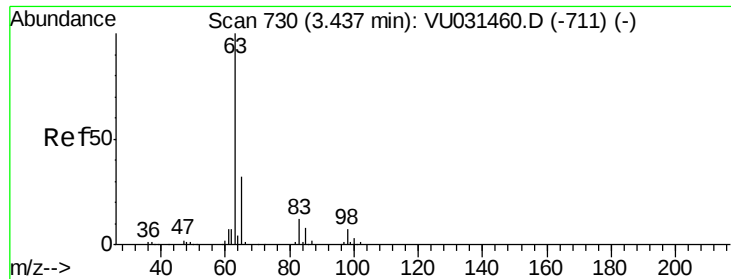


Abundance Ion 96.00 (95.70 to 96.70): VU031460.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU031460.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU031460.D (-572) (-)

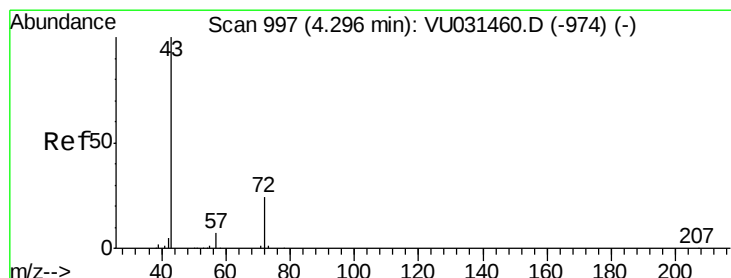
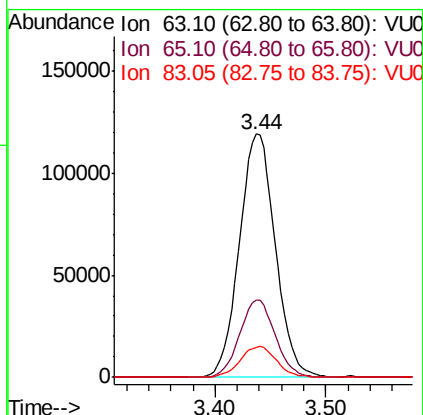
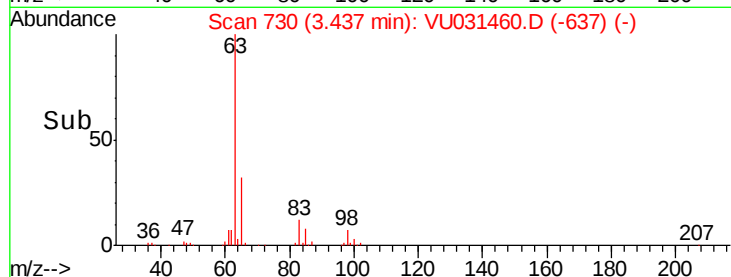
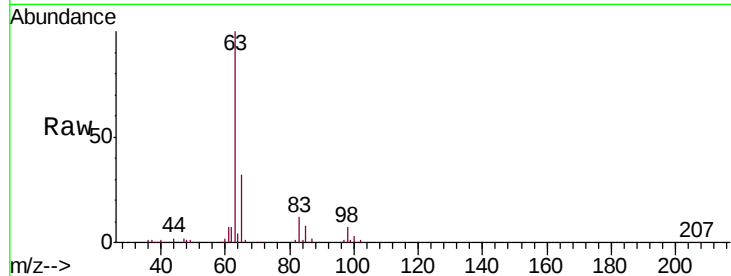




#19
 1,1-Dichloroethane
 Concen: 4.751 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

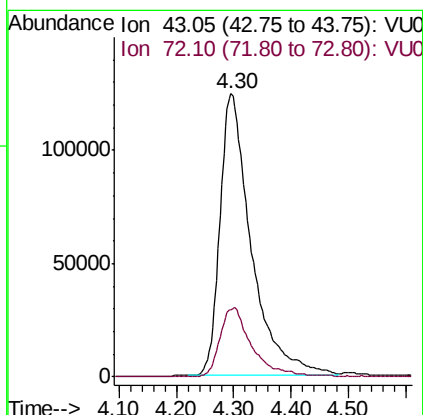
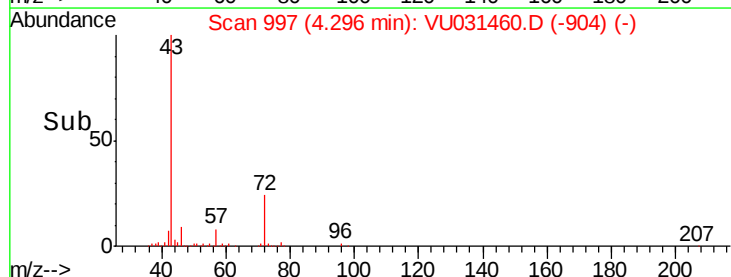
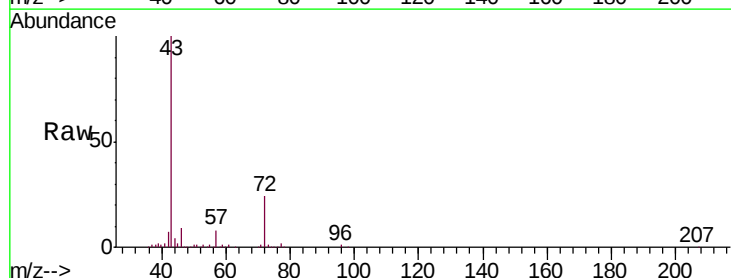
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

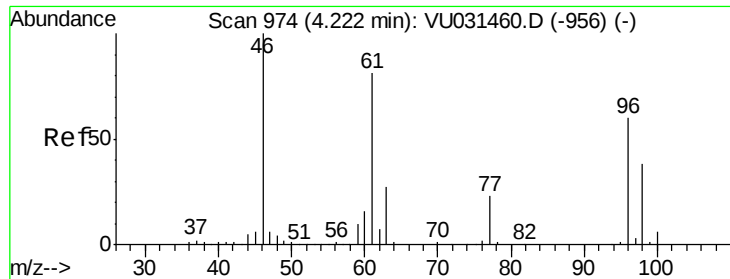
Tgt Ion: 63 Resp: 269489
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 12.2 8.5 15.9



#21
 2-Butanone
 Concen: 50.755 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion: 43 Resp: 475113
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.7 35.0



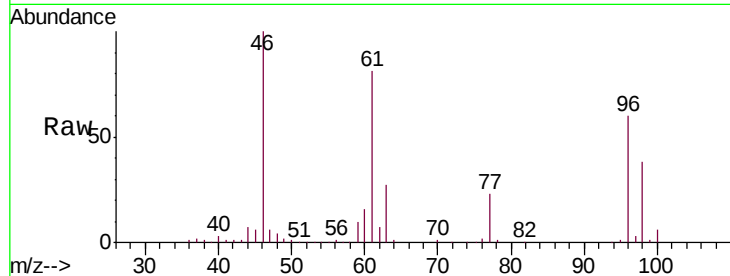


#22

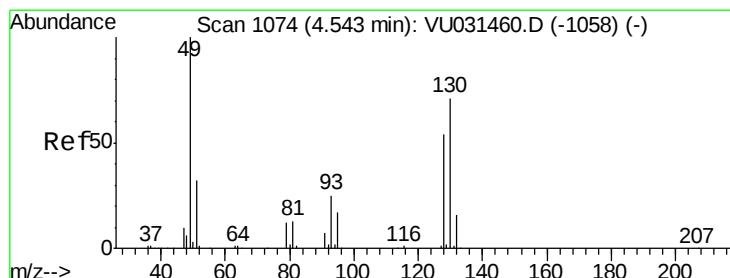
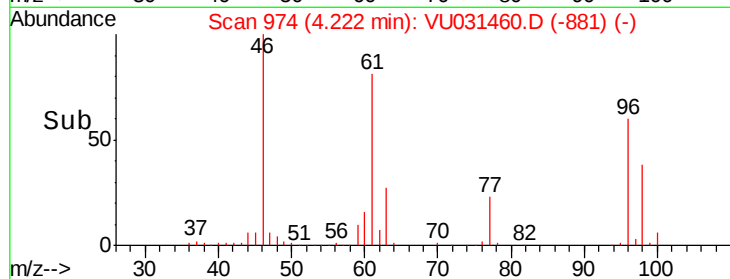
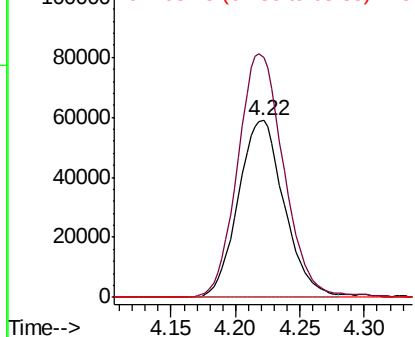
cis-1,2-Dichloroethene
Concen: 4.483 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Instrument :
MSVOA_U
ClientSampled :
VSTD00506

Tgt Ion: 96 Resp: 146156
Ion Ratio Lower Upper
96 100
61 135.5 94.8 176.2
68 0.0 0.0 0.0



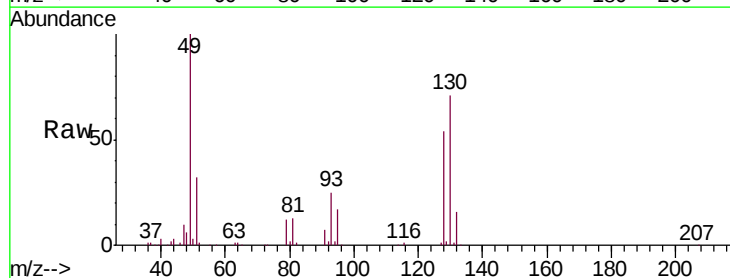
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



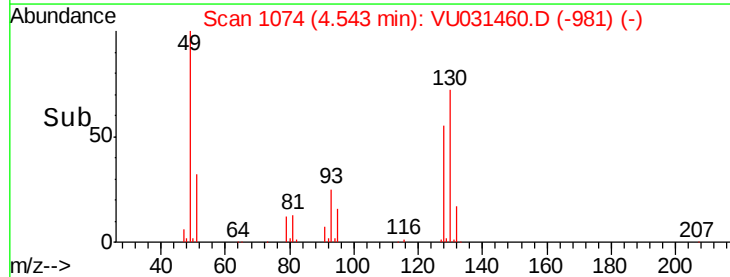
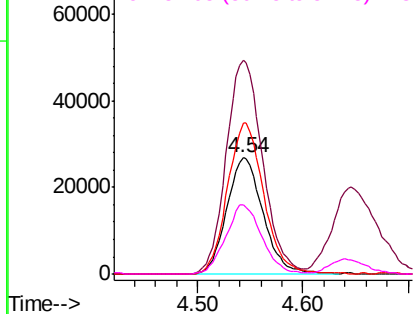
#23

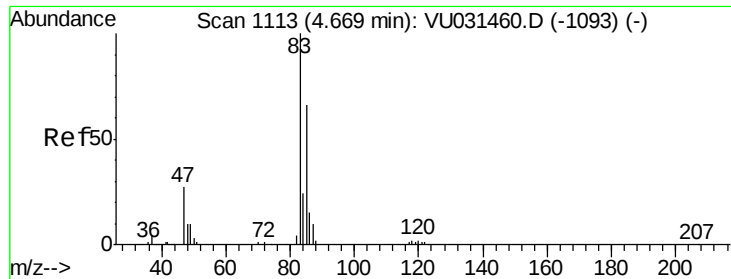
Bromochloromethane
Concen: 4.464 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion: 128 Resp: 64273
Ion Ratio Lower Upper
128 100
49 184.1 128.9 239.3
130 130.3 91.2 169.4
51 59.2 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

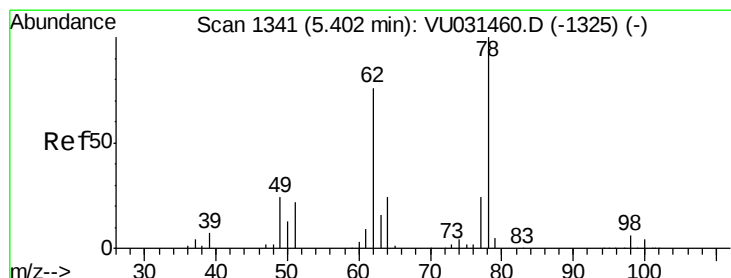
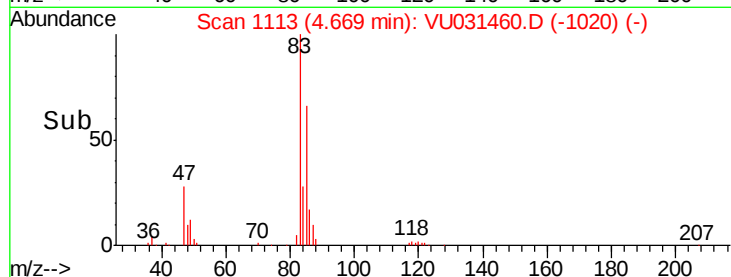
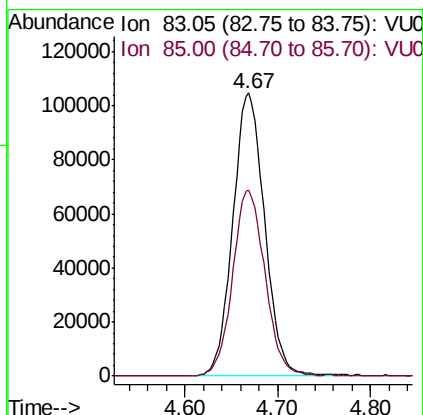
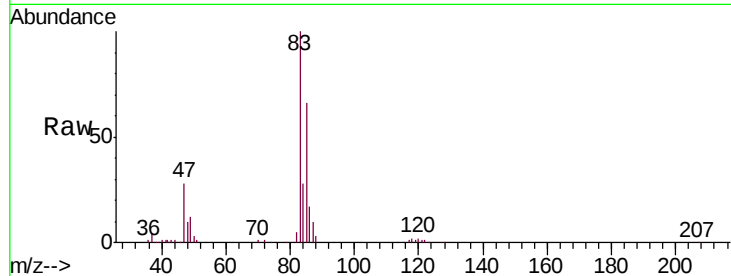




#25
Chloroform
Concen: 4.350 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

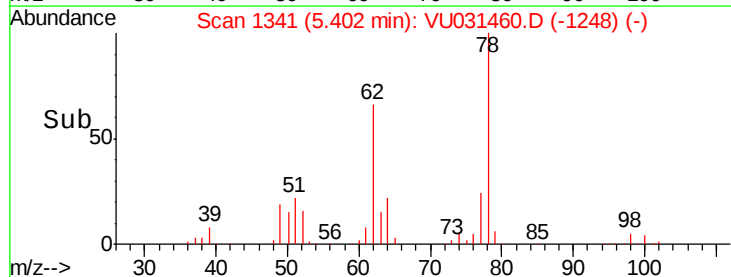
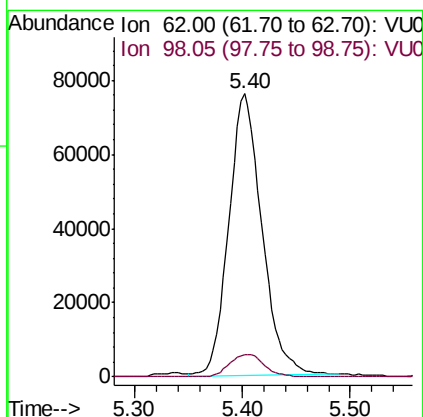
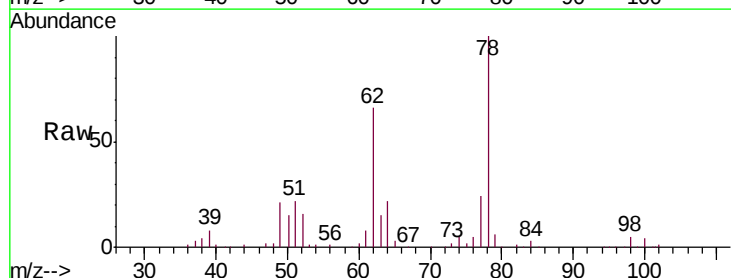
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

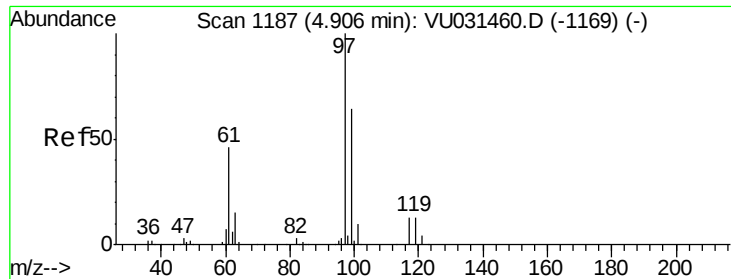
Tgt Ion: 83 Resp: 249647
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 4.380 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion: 62 Resp: 162653
Ion Ratio Lower Upper
62 100
98 8.1 6.5 9.7

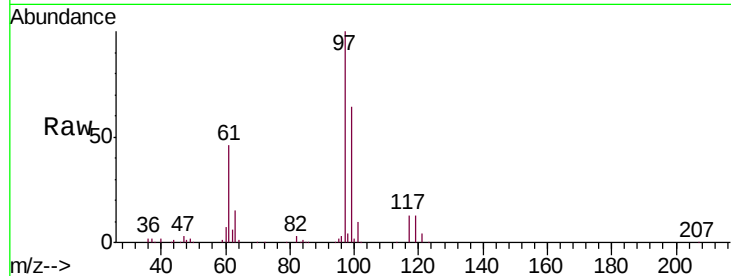




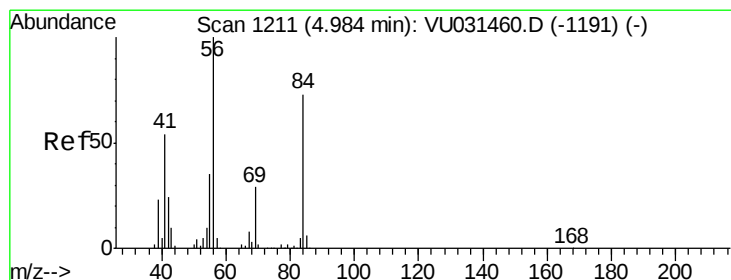
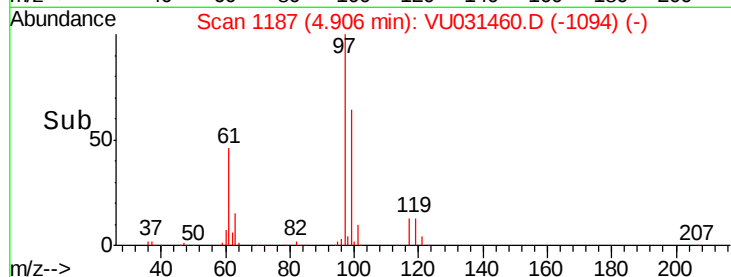
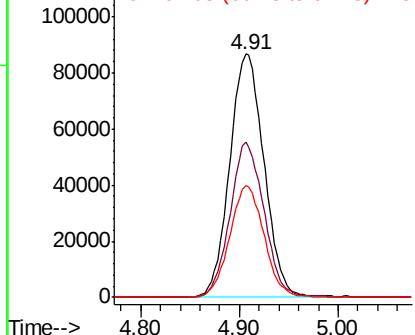
#29
 1,1,1-Trichloroethane
 Concen: 4.442 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion: 97 Resp: 210258
 Ion Ratio Lower Upper
 97 100
 99 62.7 50.2 75.2
 61 46.2 37.0 55.4

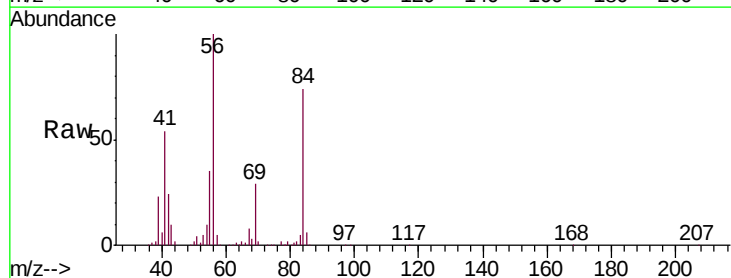


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

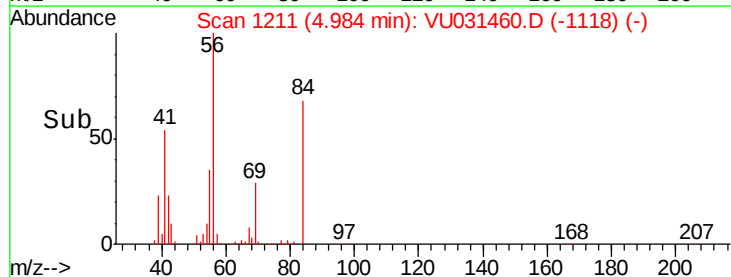
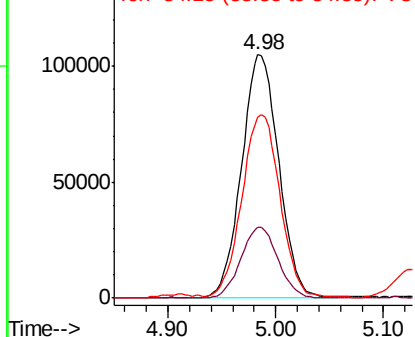


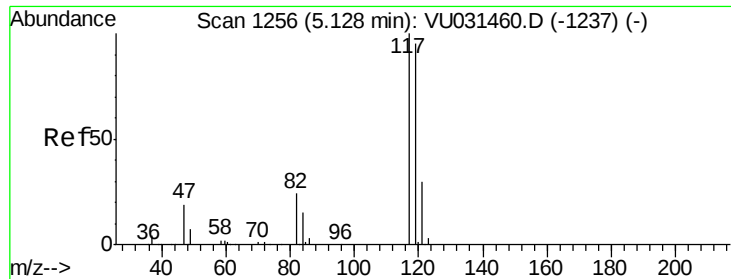
#30
 Cyclohexane
 Concen: 5.023 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion: 56 Resp: 252156
 Ion Ratio Lower Upper
 56 100
 69 29.1 23.3 34.9
 84 76.3 61.0 91.6



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

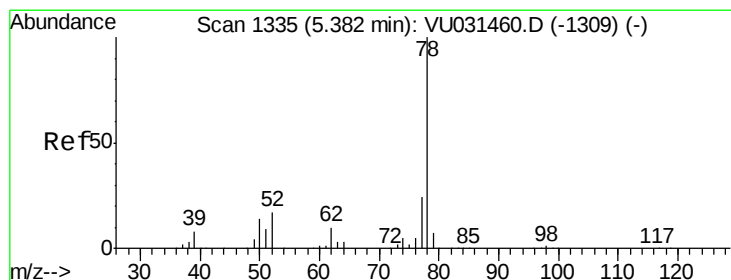
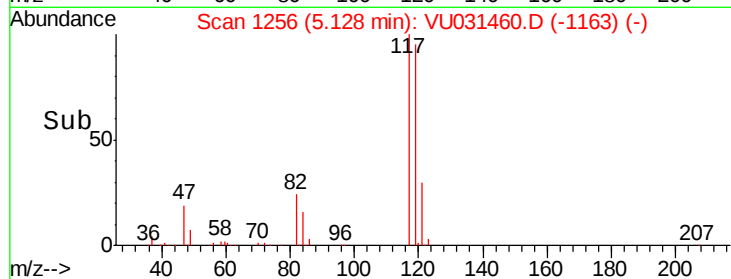
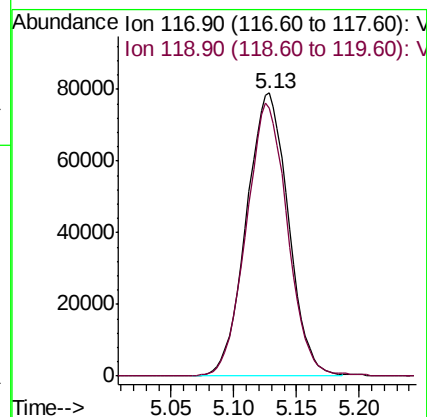
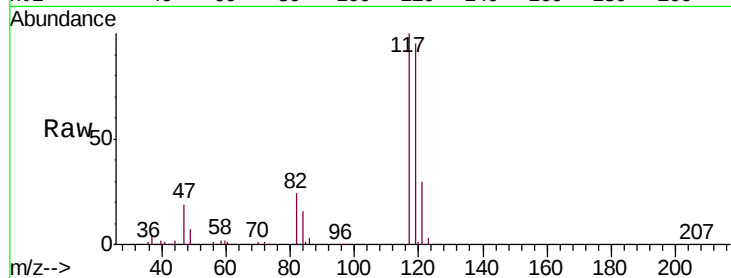




#31
Carbon tetrachloride
Concen: 4.316 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

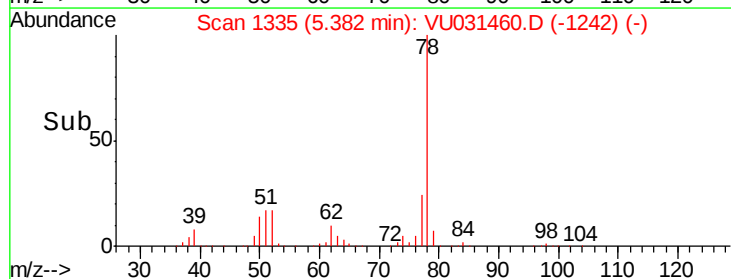
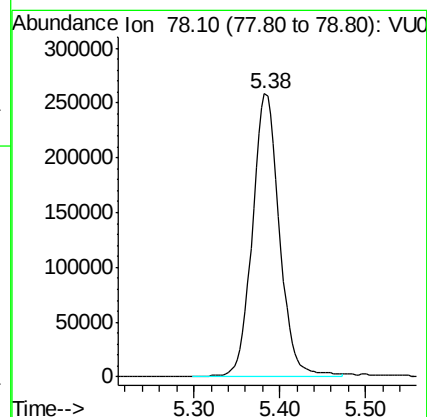
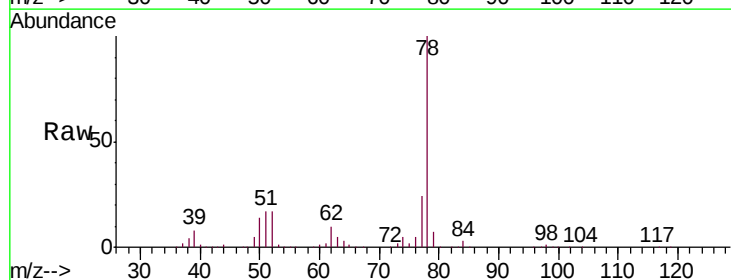
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

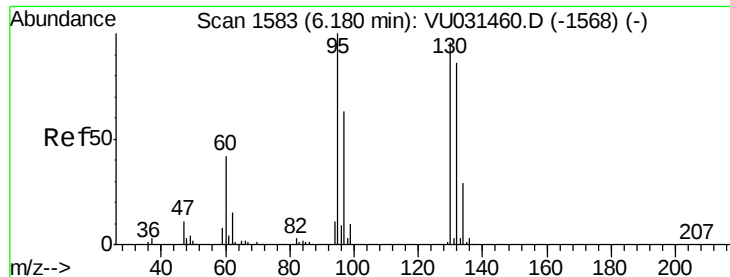
Tgt Ion:117 Resp: 183548
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 4.695 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion: 78 Resp: 566973

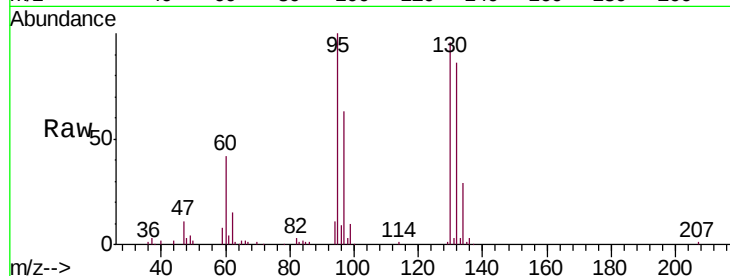




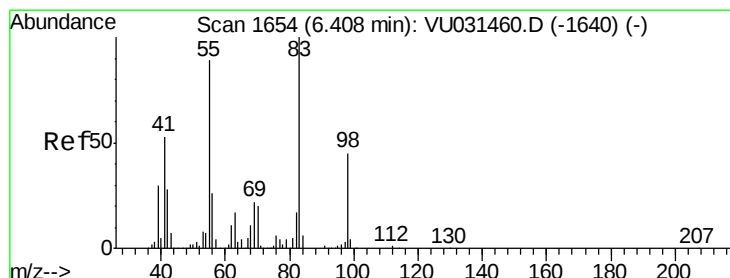
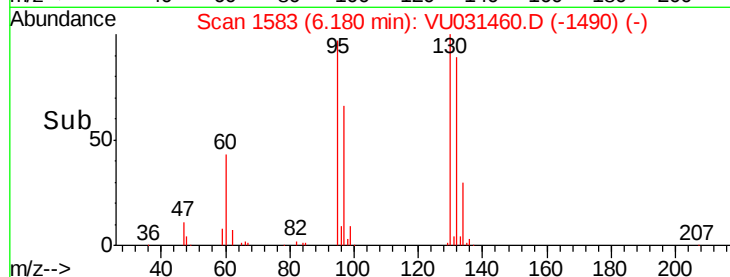
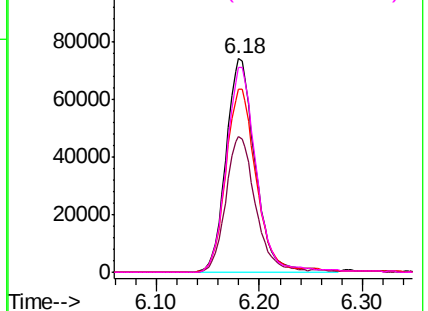
#34
 Trichloroethene
 Concen: 4.476 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:	95	Resp:	147154
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.3	82.3
132	85.6	59.9	111.3
130	95.8	67.1	124.5

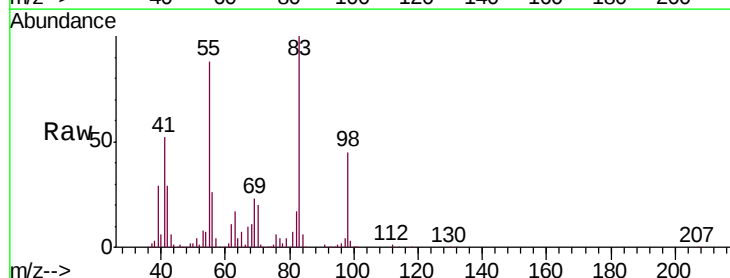


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

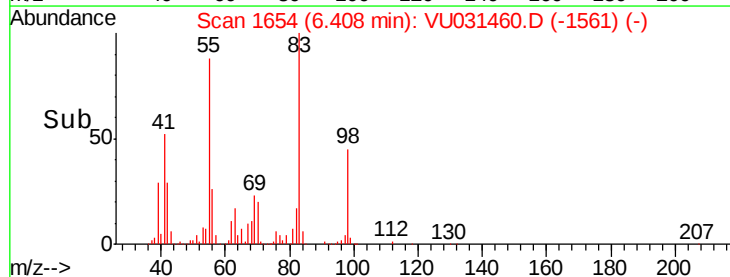
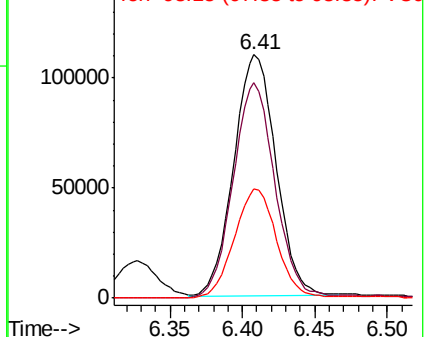


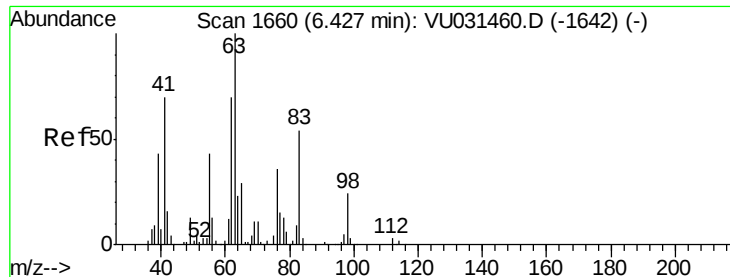
#35
 Methylcyclohexane
 Concen: 4.825 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion:	83	Resp:	220680
Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.1	106.7
98	45.7	36.6	54.8



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

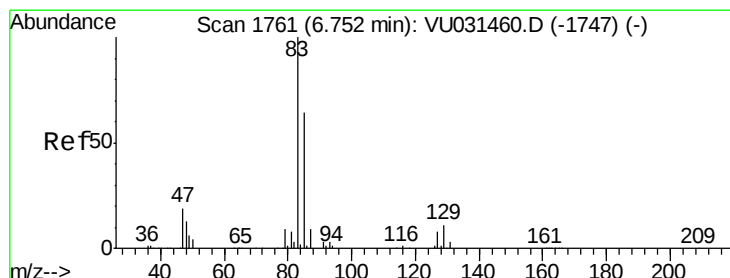
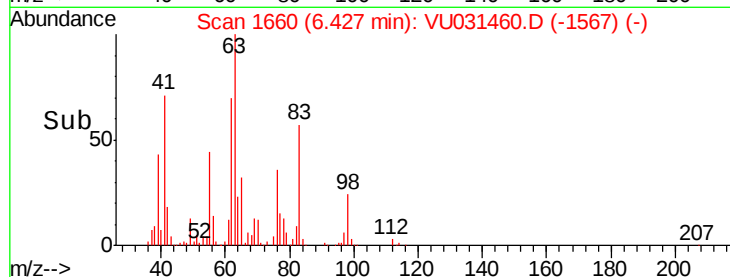
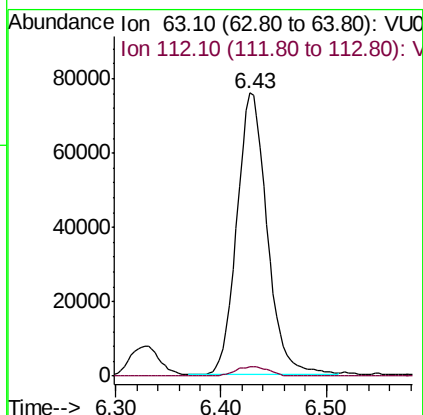
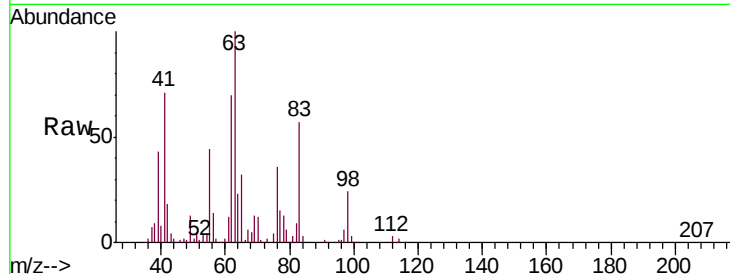




#37
 1,2-Dichloropropane
 Concen: 4.723 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

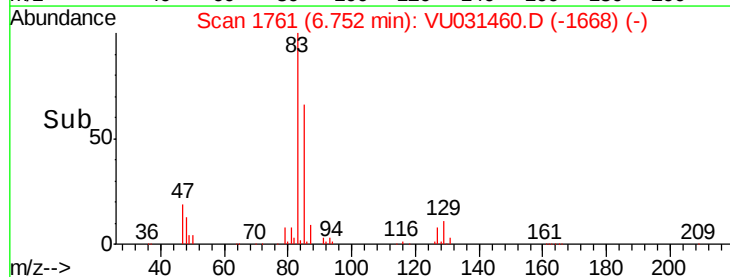
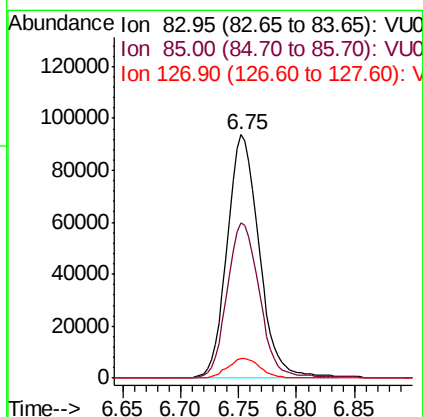
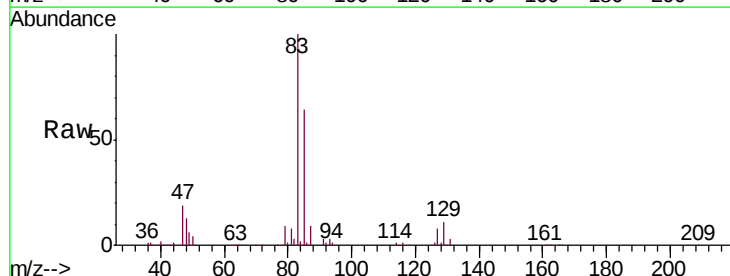
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

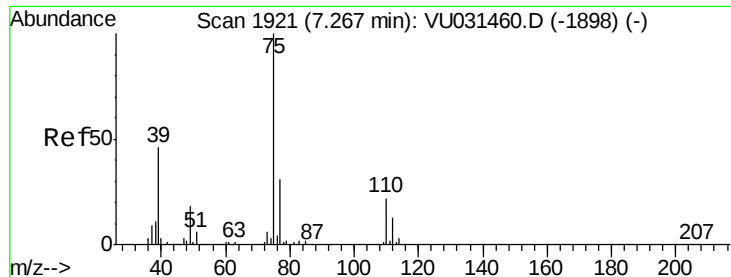
Tgt Ion: 63 Resp: 151671
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.504 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion: 83 Resp: 176962
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 8.1 6.5 9.7



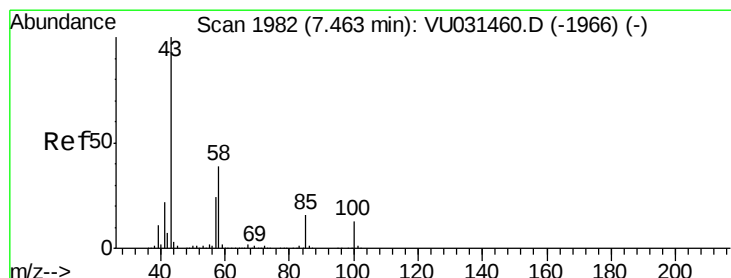
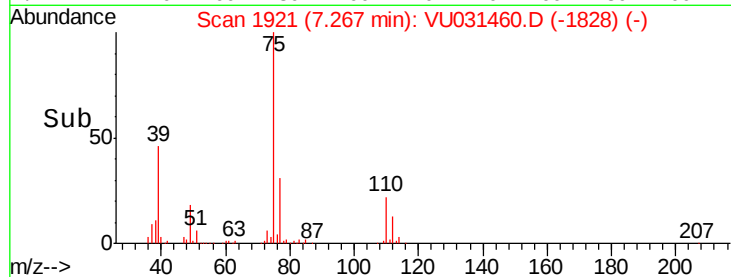
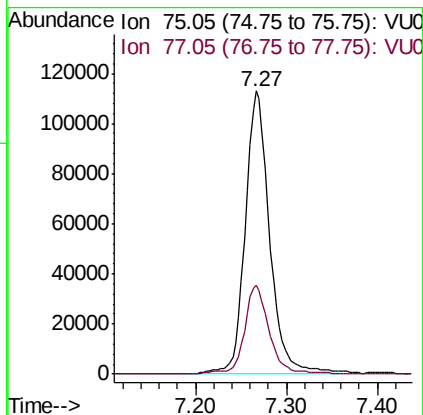
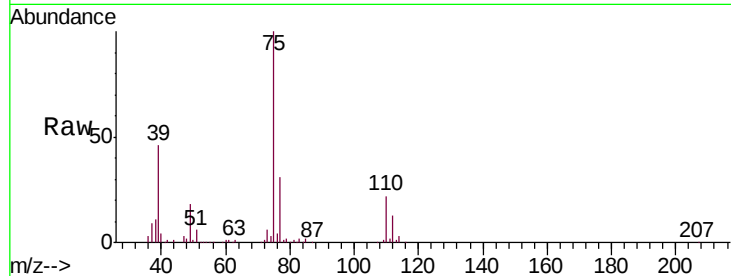


#39

cis-1,3-Dichloropropene
 Concen: 4.940 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

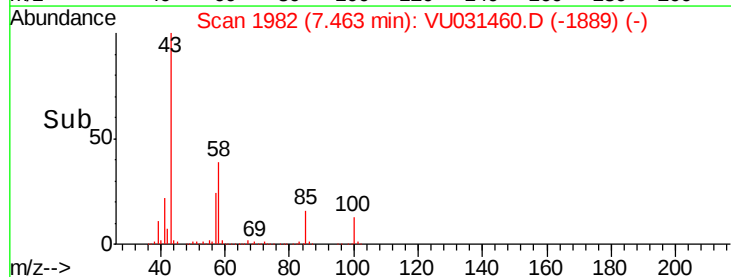
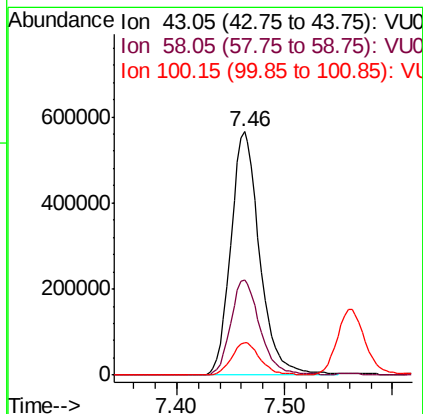
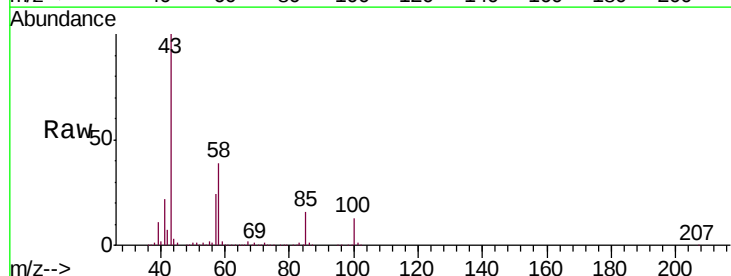
Tgt Ion: 75 Resp: 211570
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7

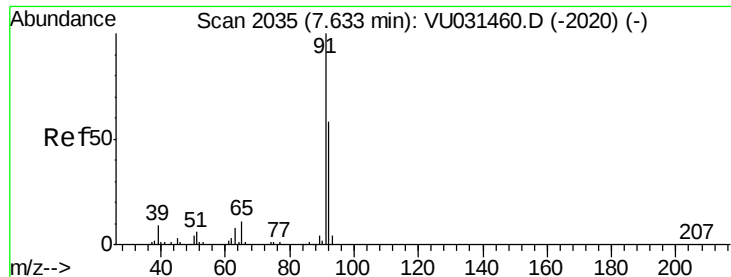


#40

4-Methyl-2-pentanone
 Concen: 50.751 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion: 43 Resp: 1055399
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 13.2 10.6 15.8





#42

Toluene

Concen: 4.709 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

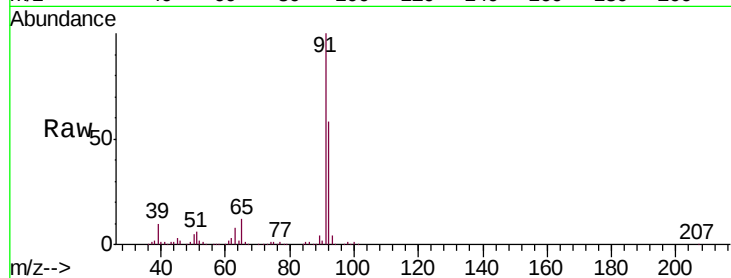
VSTD00506

Tgt Ion: 91 Resp: 571238

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU031460.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031460.D (-2020) (-)

7.63

300000

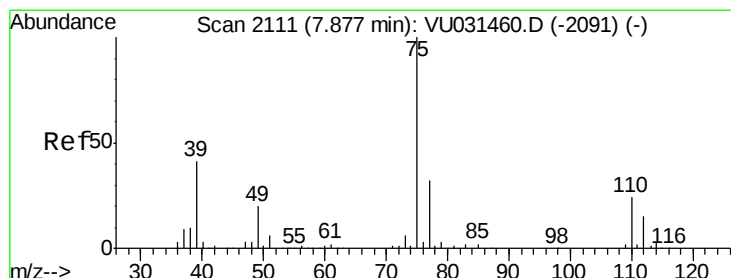
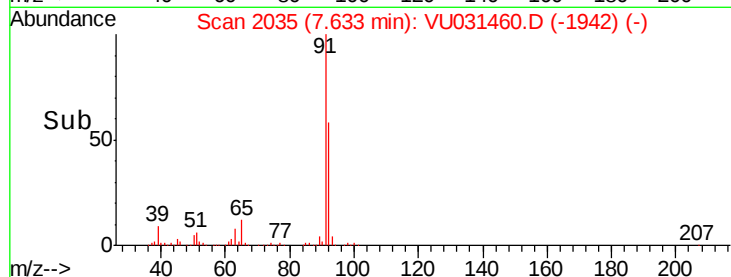
200000

100000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031460.D

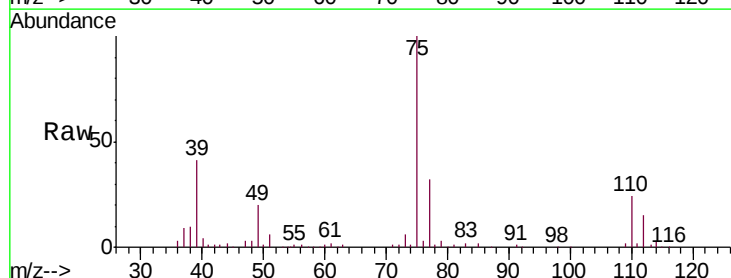
Acq: 24 Apr 2019 10:44

Tgt Ion: 75 Resp: 166224

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU031460.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU031460.D (-2091) (-)

7.88

100000

80000

60000

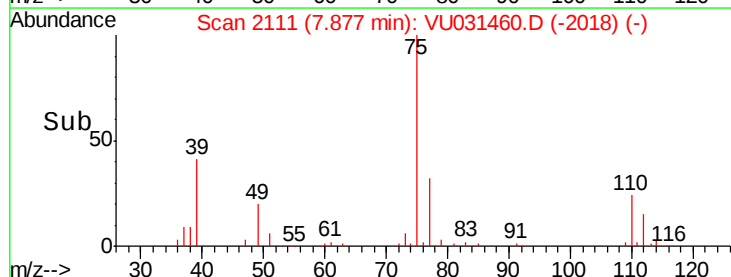
40000

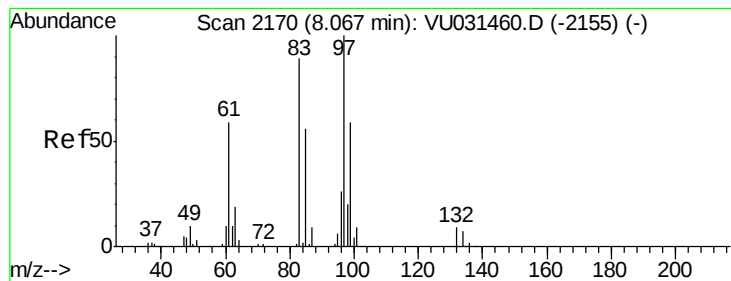
20000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.677 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 97 Resp: 107156

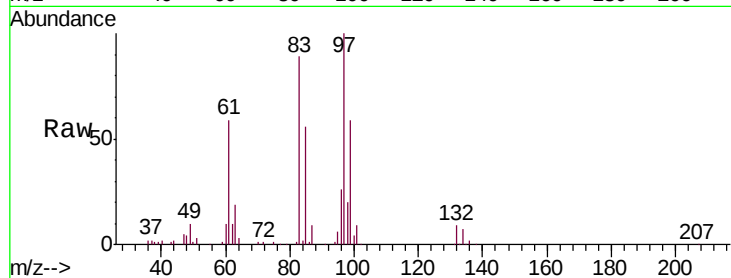
Ion Ratio Lower Upper

97 100

99 58.9 41.2 76.6

83 88.8 62.2 115.4

85 56.0 39.2 72.8

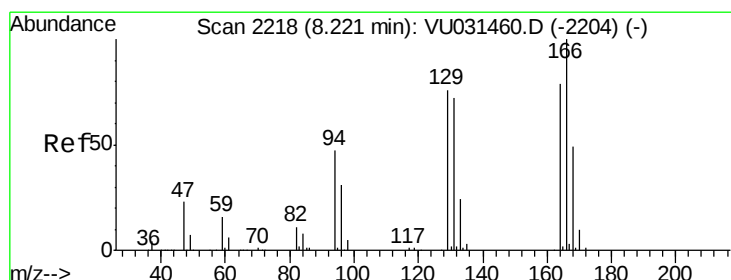
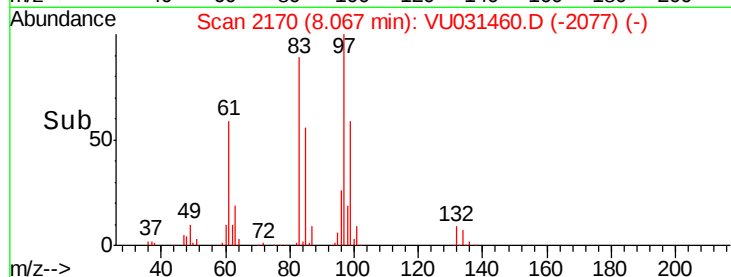
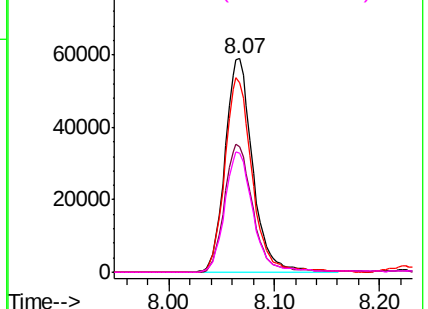


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.427 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Tgt Ion: 164 Resp: 107015

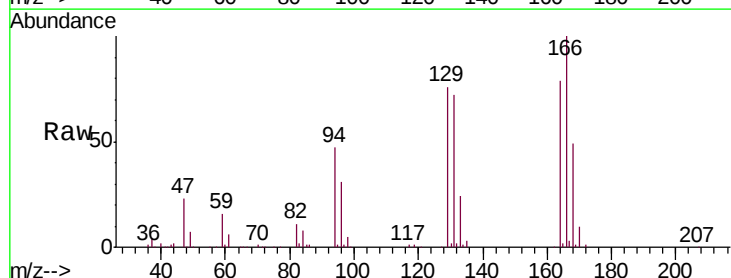
Ion Ratio Lower Upper

164 100

129 96.4 67.5 125.3

131 91.5 64.0 119.0

166 126.5 88.5 164.4

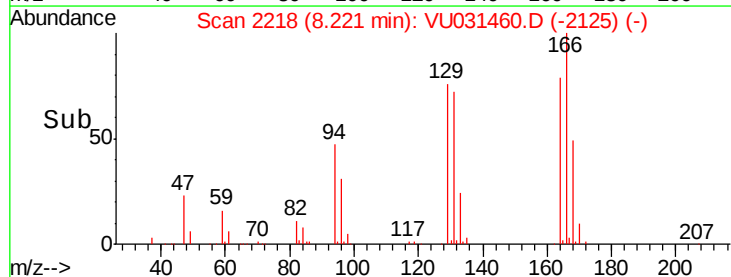
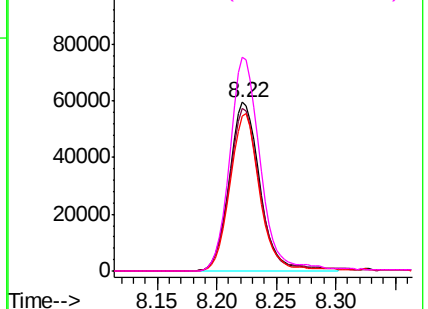


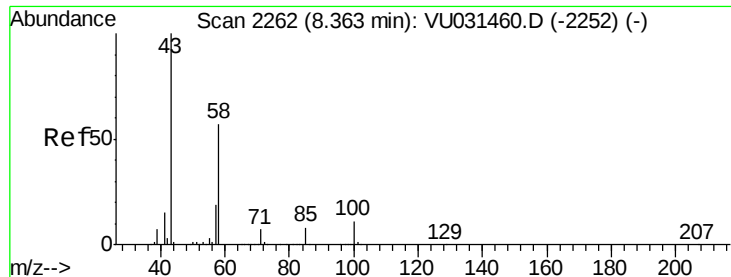
Abundance Ion 163.90 (163.60 to 164.60): V

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

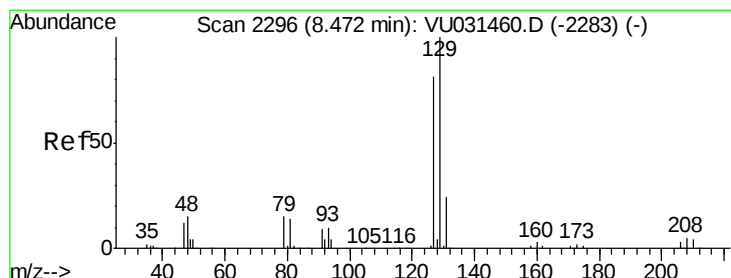
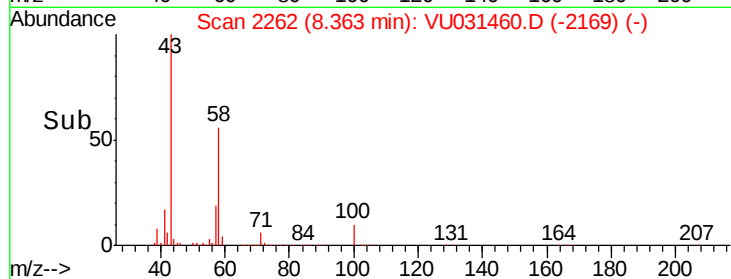
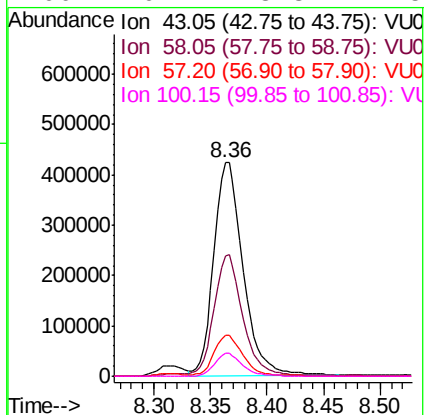
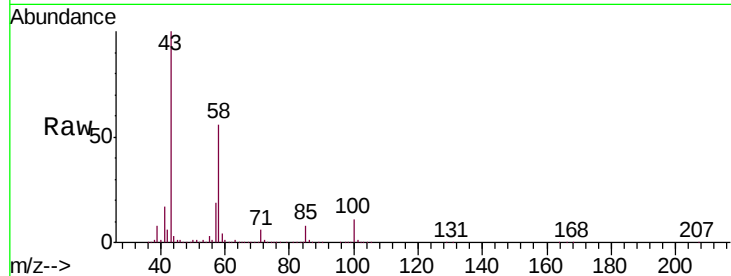




#48
2-Hexanone
Concen: 51.972 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

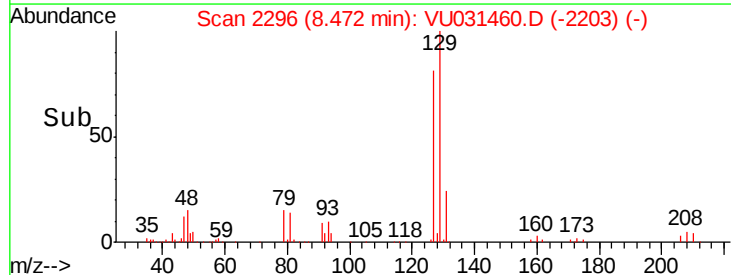
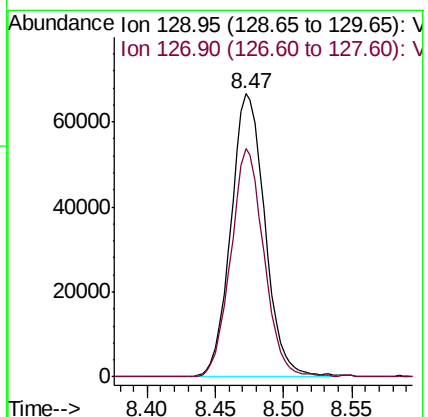
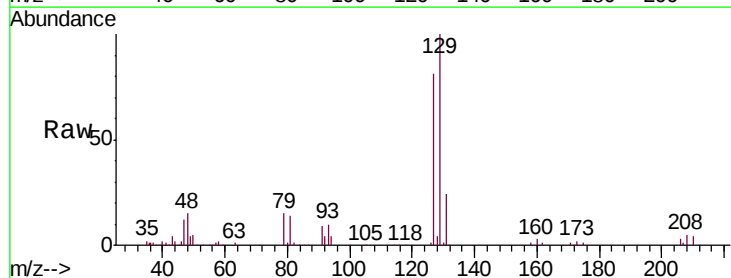
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

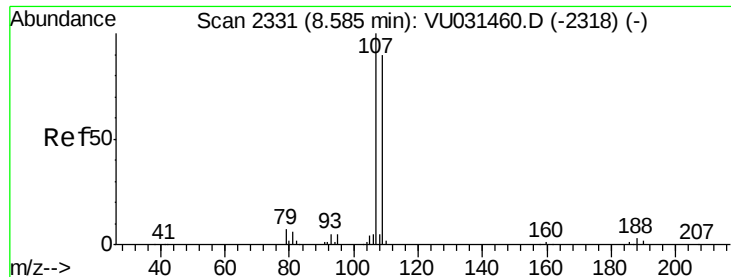
Tgt Ion: 43 Resp: 764982
Ion Ratio Lower Upper
43 100
58 55.8 44.6 67.0
57 19.1 15.3 22.9
100 10.4 8.3 12.5



#49
Dibromochloromethane
Concen: 4.314 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion: 129 Resp: 115651
Ion Ratio Lower Upper
129 100
127 80.8 56.6 105.0





#50

1,2-Dibromoethane

Concen: 4.763 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

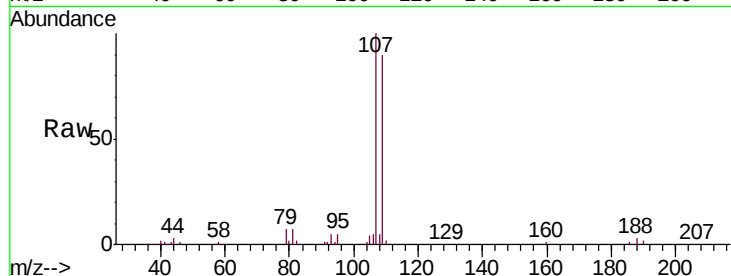
Tgt Ion:107 Resp: 102766

Ion Ratio Lower Upper

107 100

109 90.2 63.1 117.3

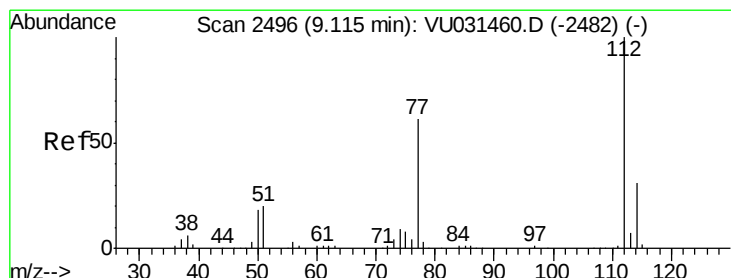
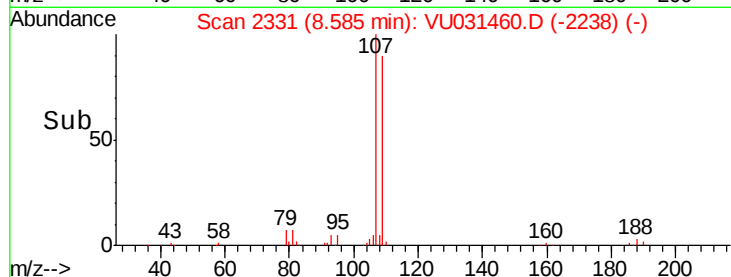
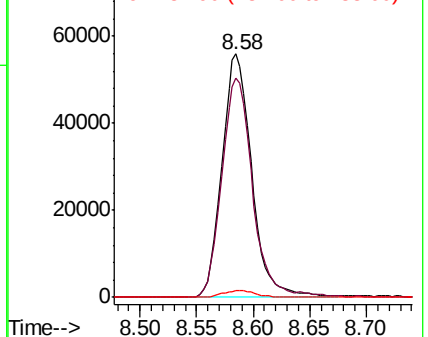
188 2.8 2.2 3.4



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: 4.611 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

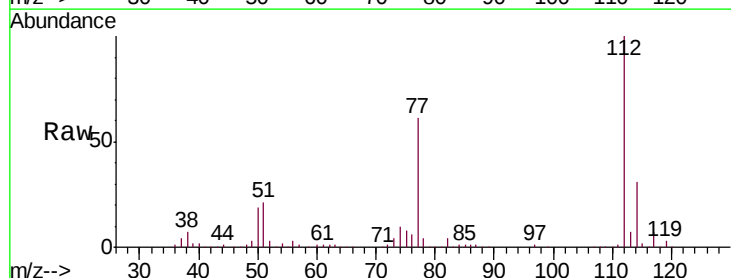
Tgt Ion:112 Resp: 349672

Ion Ratio Lower Upper

112 100

114 31.3 21.9 40.7

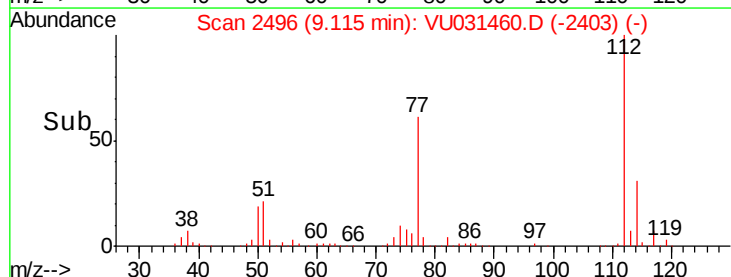
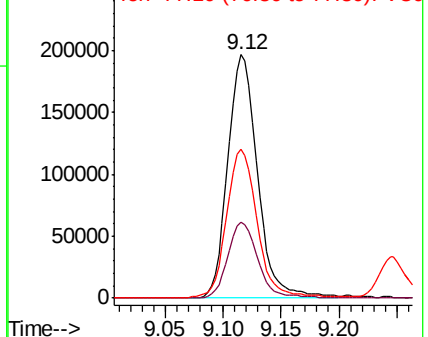
77 61.1 48.9 73.3

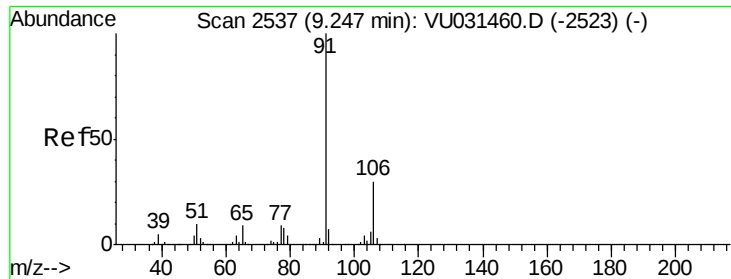


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.855 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

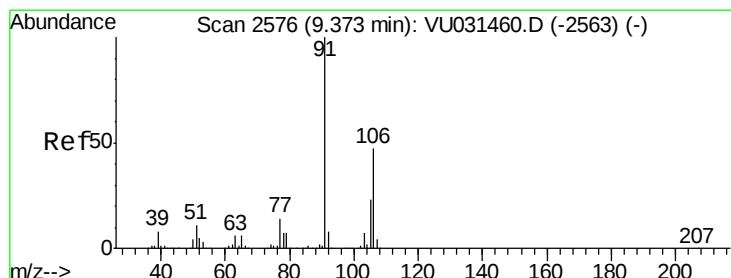
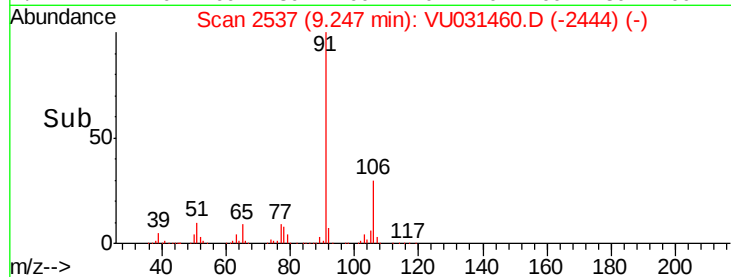
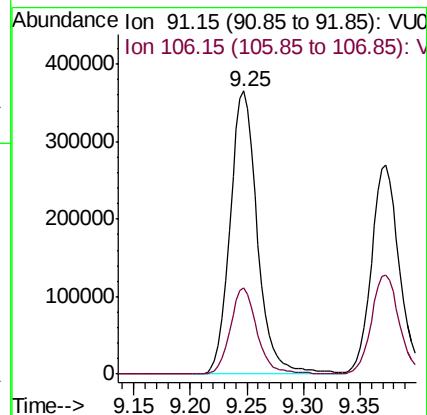
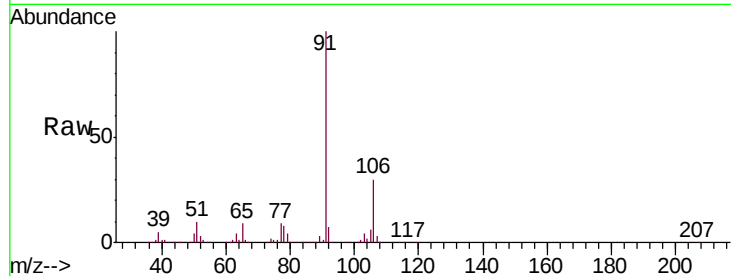
VSTD00506

Tgt Ion: 91 Resp: 615101

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 4.831 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031460.D

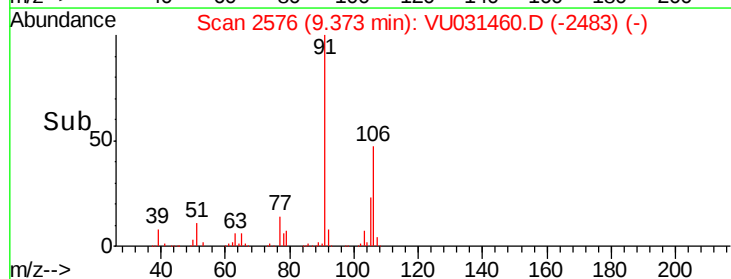
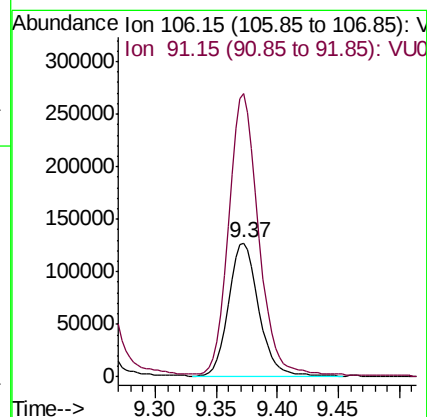
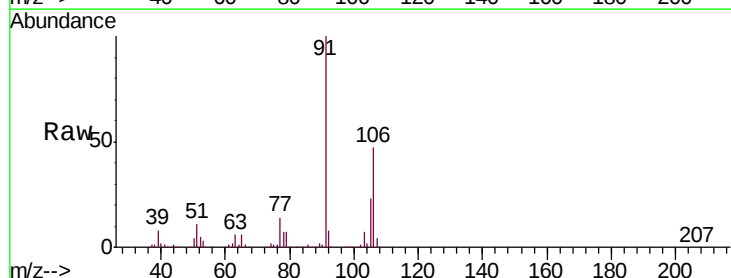
Acq: 24 Apr 2019 10:44

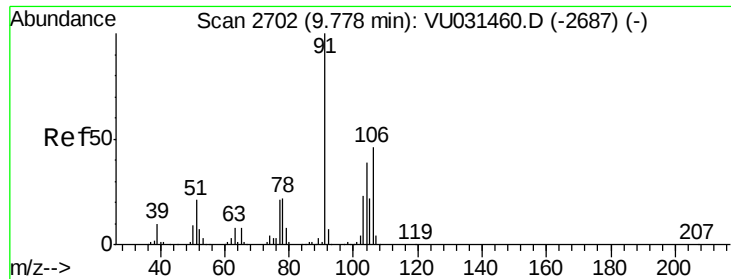
Tgt Ion: 106 Resp: 219108

Ion Ratio Lower Upper

106 100

91 211.1 147.8 274.4

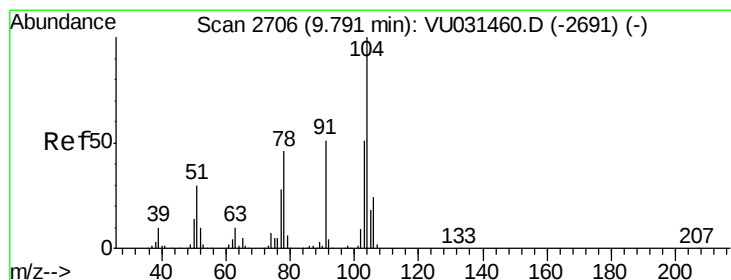
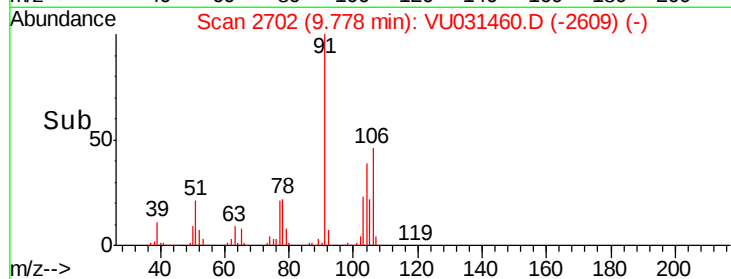
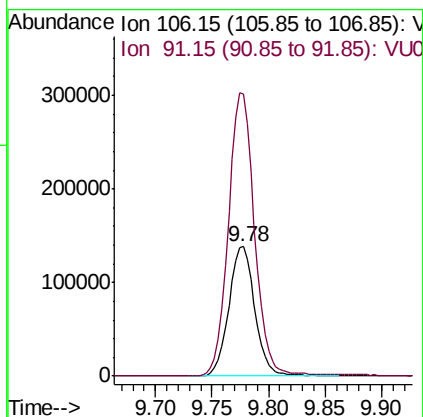
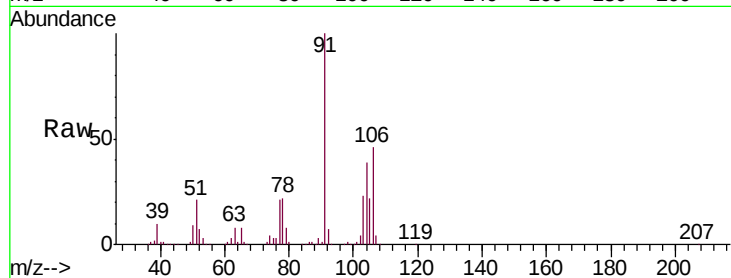




#54
o-Xylene
Concen: 4.960 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

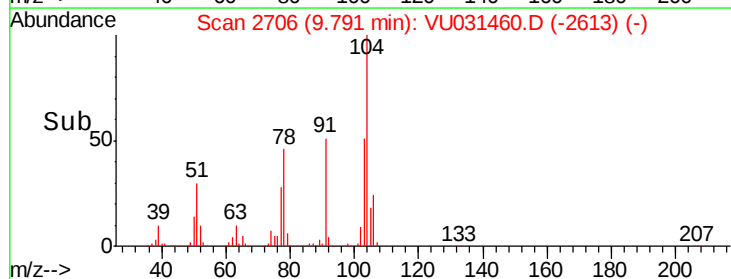
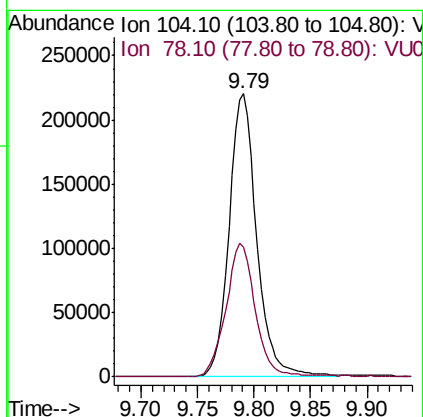
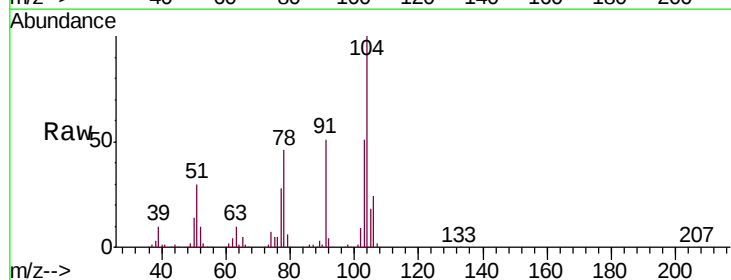
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

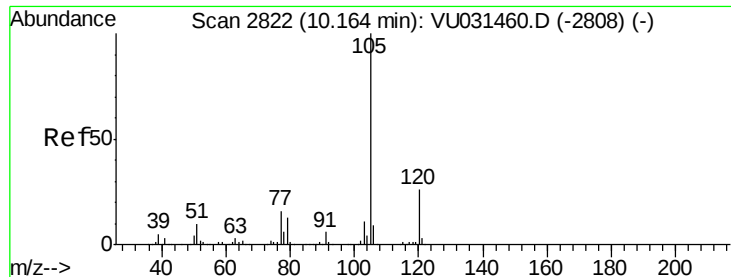
Tgt Ion:106 Resp: 222384
Ion Ratio Lower Upper
106 100
91 218.2 152.7 283.7



#55
Styrene
Concen: 5.052 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031460.D
Acq: 24 Apr 2019 10:44

Tgt Ion:104 Resp: 376038
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.5





#56

Isopropylbenzene

Concen: 4.923 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

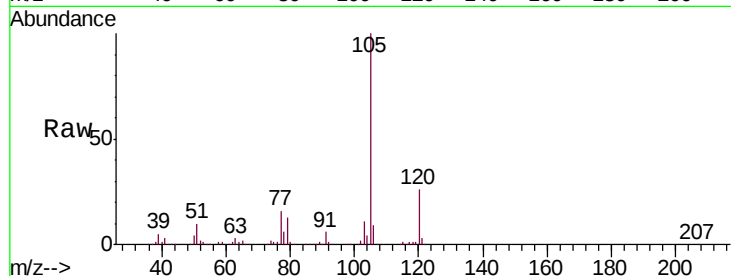
Tgt Ion: 105 Resp: 578837

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

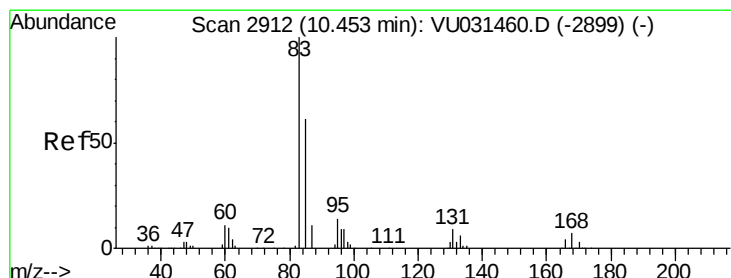
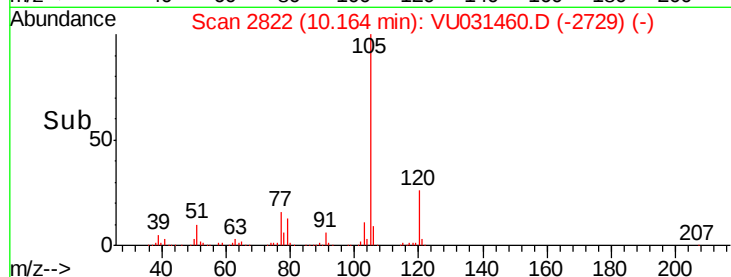
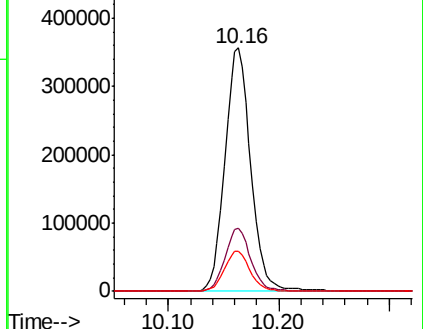
77 16.5 13.2 19.8



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: 4.621 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

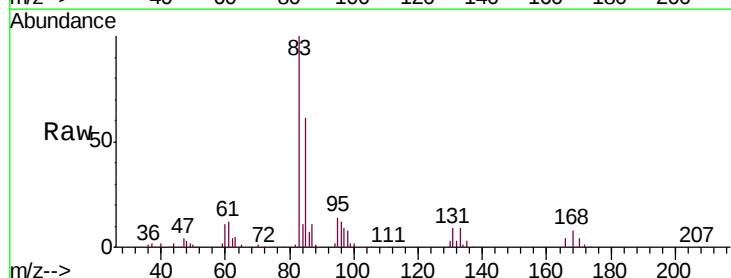
Tgt Ion: 83 Resp: 134373

Ion Ratio Lower Upper

83 100

85 61.1 42.8 79.4

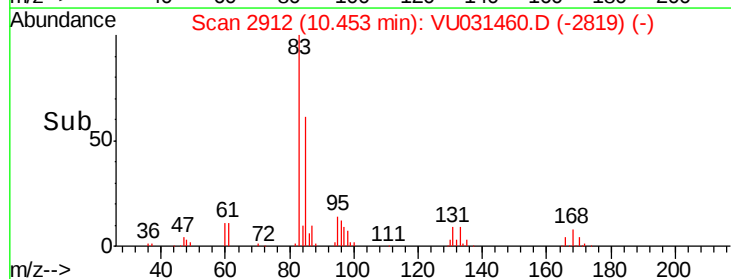
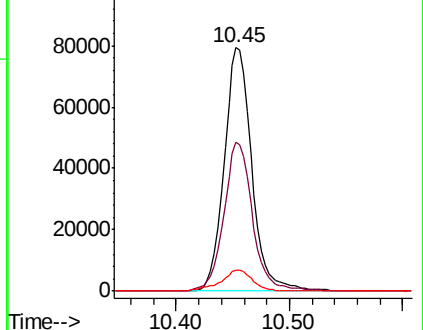
131 8.7 7.0 10.4

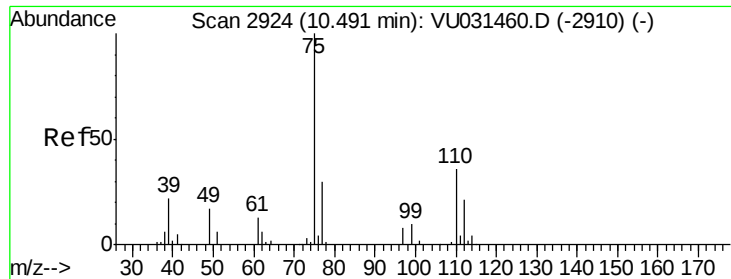


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.679 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

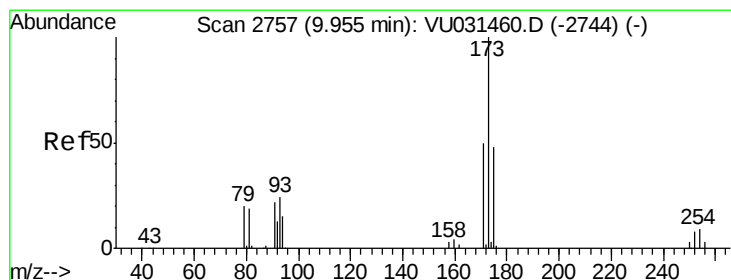
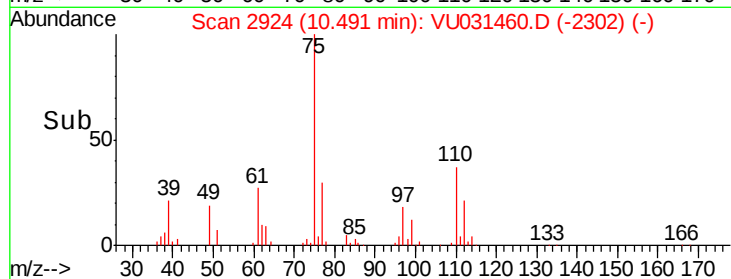
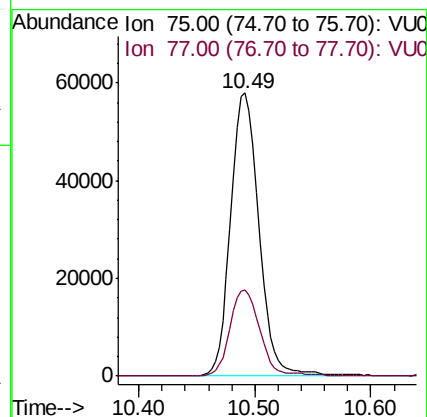
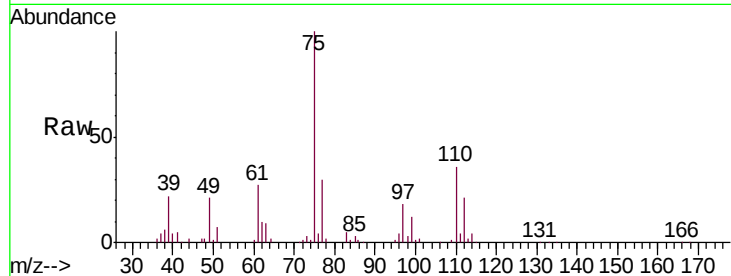
VSTD00506

Tgt Ion: 75 Resp: 97816

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 4.367 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

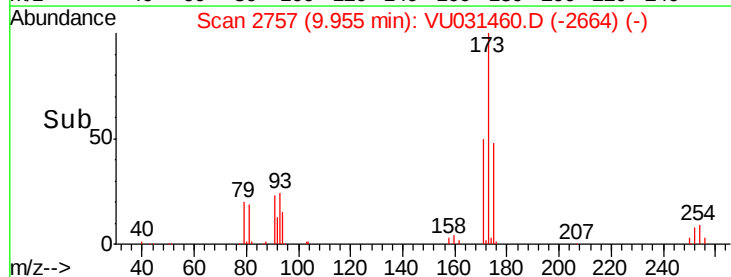
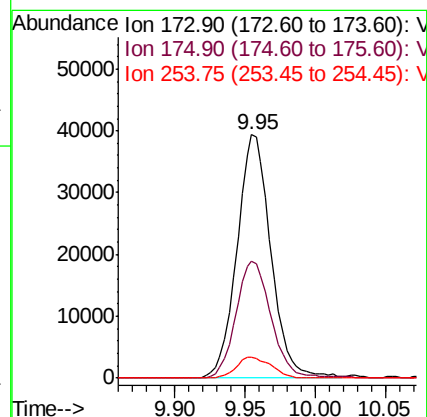
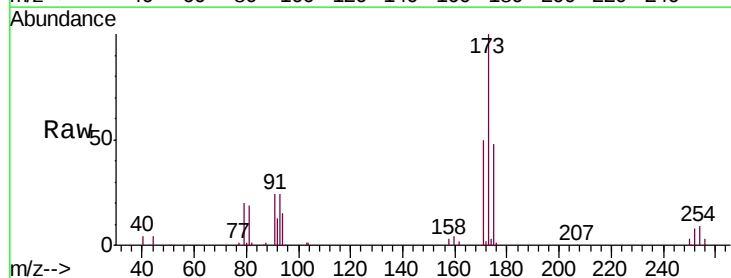
Tgt Ion: 173 Resp: 66240

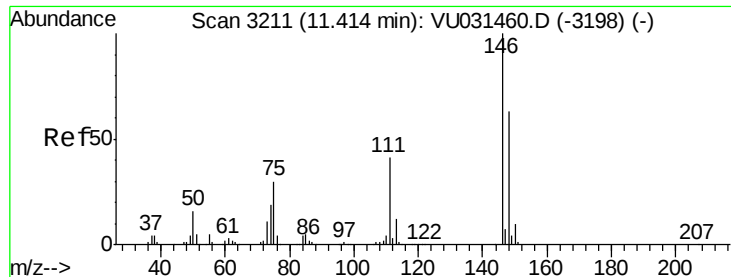
Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

254 8.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.761 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

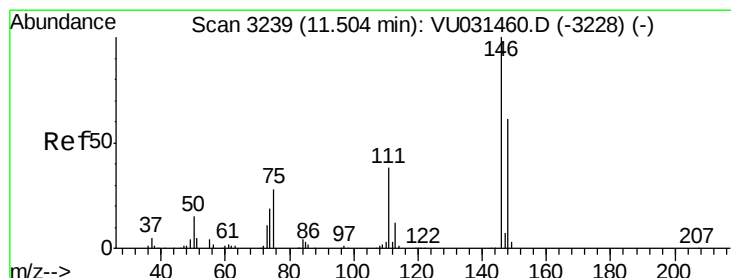
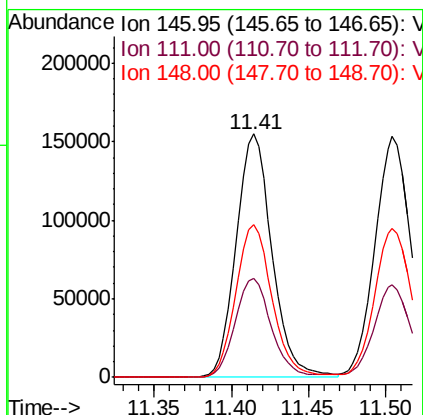
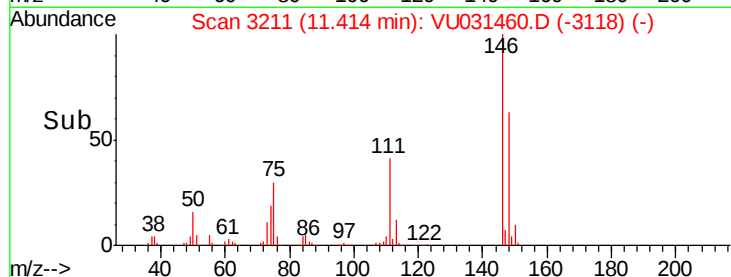
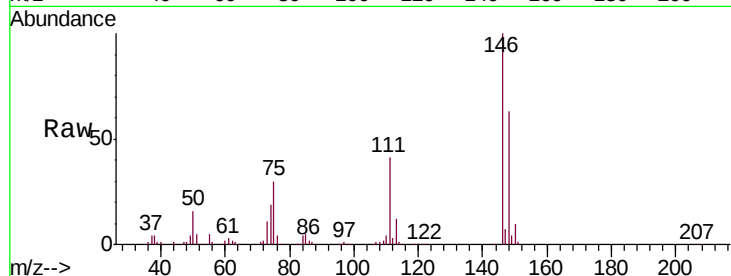
Tgt Ion:146 Resp: 249673

Ion Ratio Lower Upper

146 100

111 40.7 28.5 52.9

148 62.6 43.8 81.4



#63

1,4-Dichlorobenzene

Concen: 4.785 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

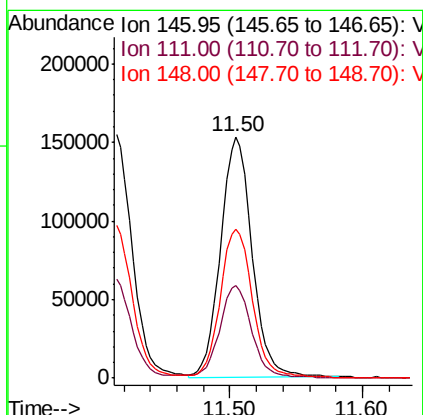
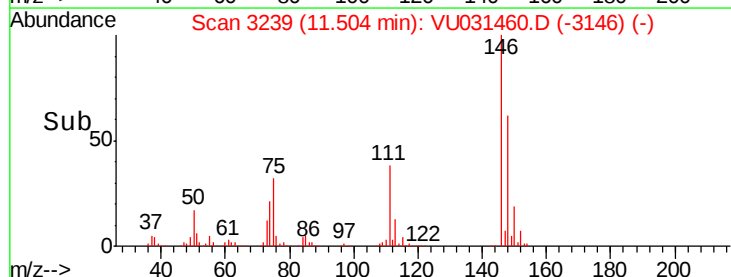
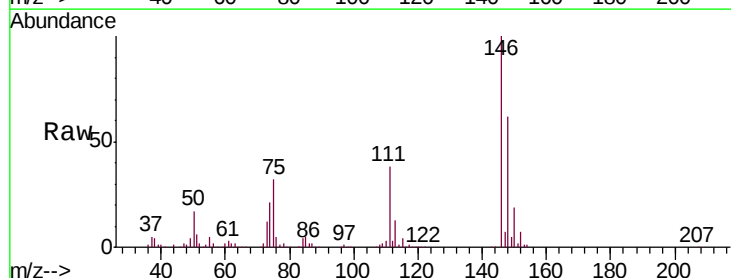
Tgt Ion:146 Resp: 253099

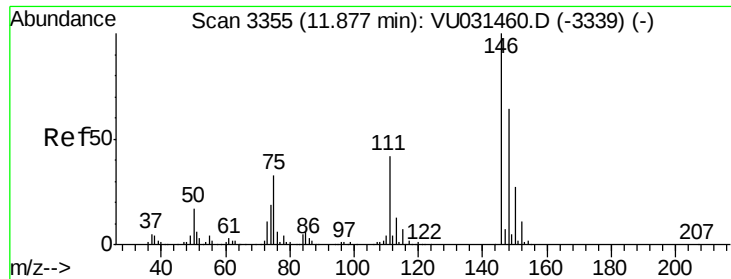
Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

148 61.8 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 4.628 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

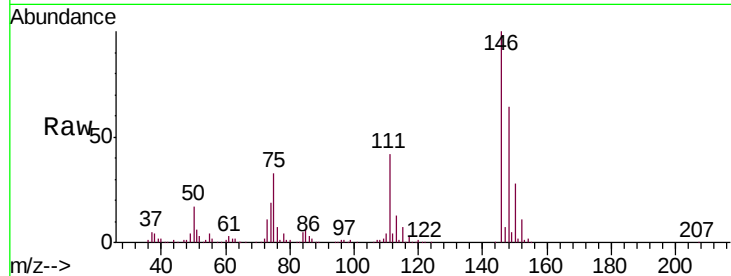
Tgt Ion:146 Resp: 244530

Ion Ratio Lower Upper

146 100

111 42.5 34.0 51.0

148 63.6 50.9 76.3

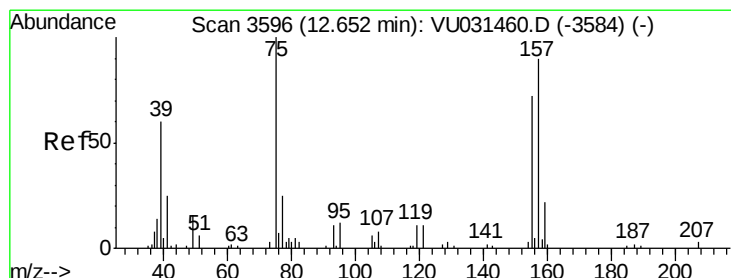
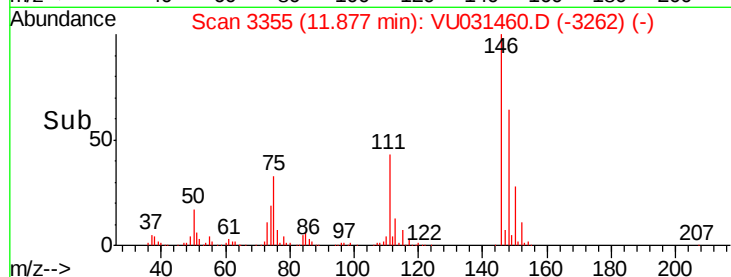
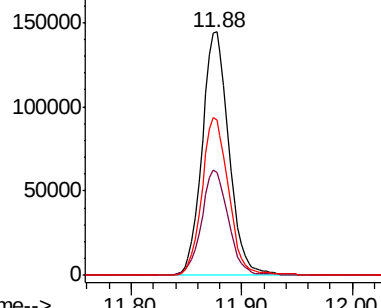


Abundance

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: 4.951 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

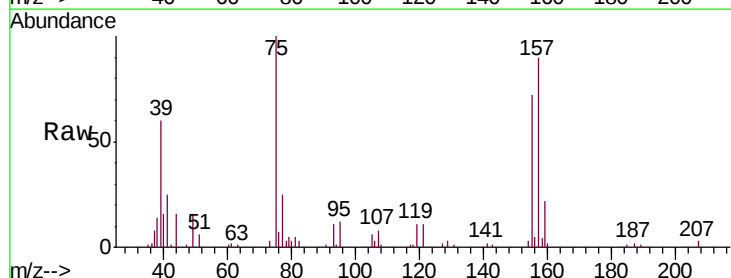
Tgt Ion: 75 Resp: 21410

Ion Ratio Lower Upper

75 100

155 71.5 57.2 85.8

157 89.9 71.9 107.9

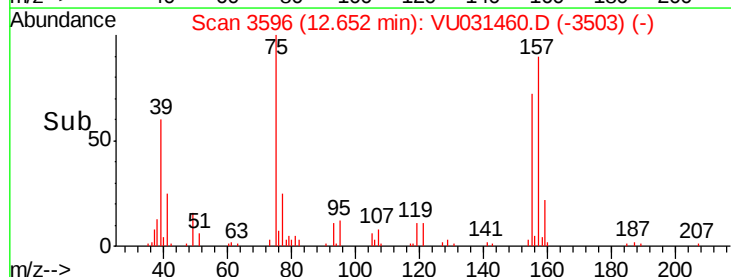
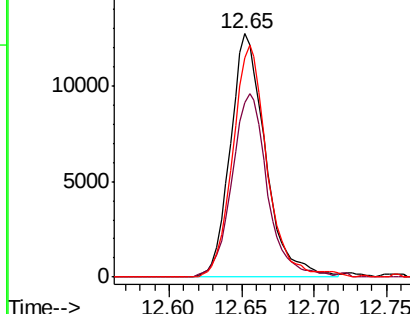


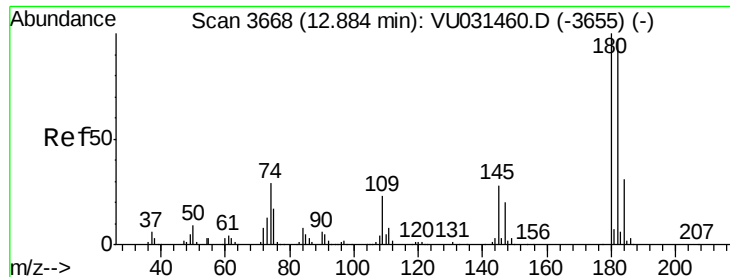
Abundance

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

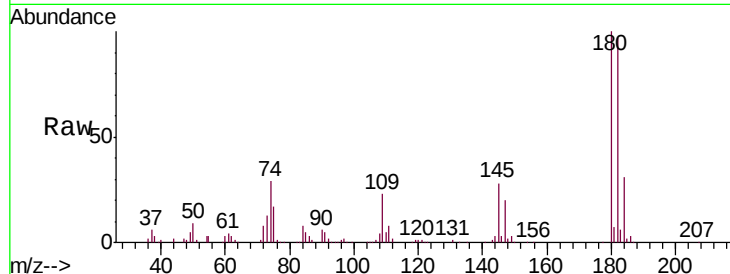




#67
 1,3,5-Trichlorobenzene
 Concen: 4.383 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	30.7	24.6	36.8
145	29.8	23.8	35.8



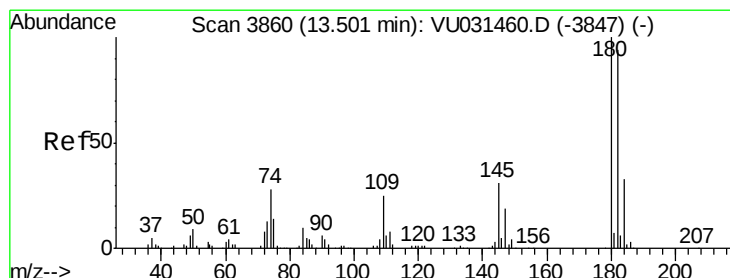
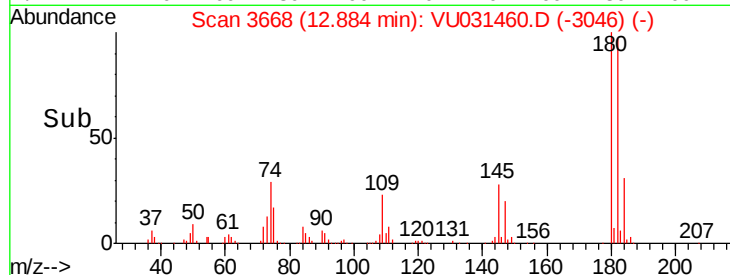
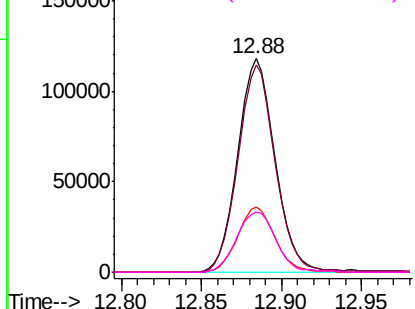
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

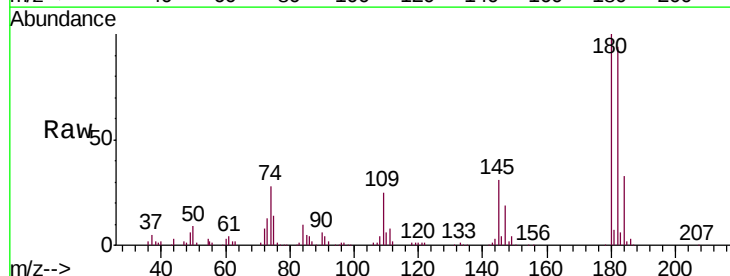
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.830 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031460.D
 Acq: 24 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	30.3	24.2	36.4

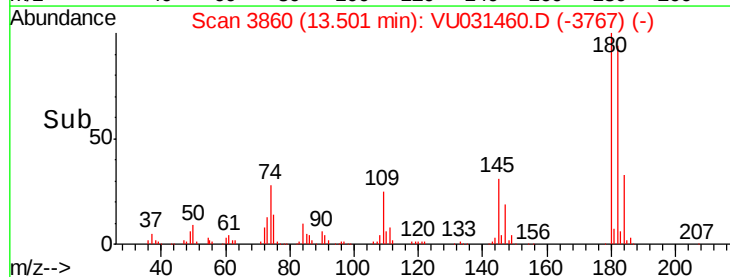
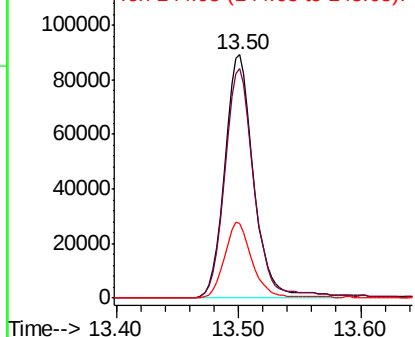


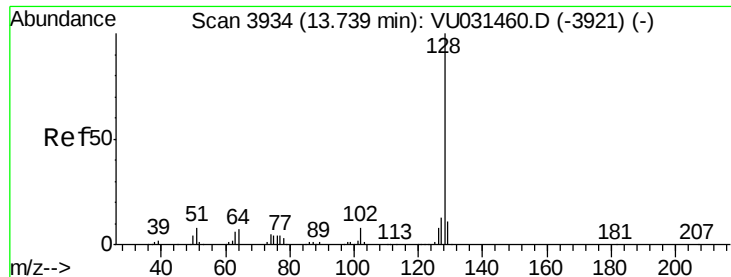
Abundance

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: 4.681 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

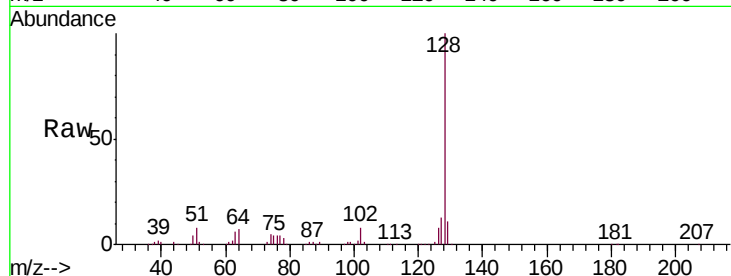
Tgt Ion:128 Resp: 292059

Ion Ratio Lower Upper

128 100

129 10.0 8.0 12.0

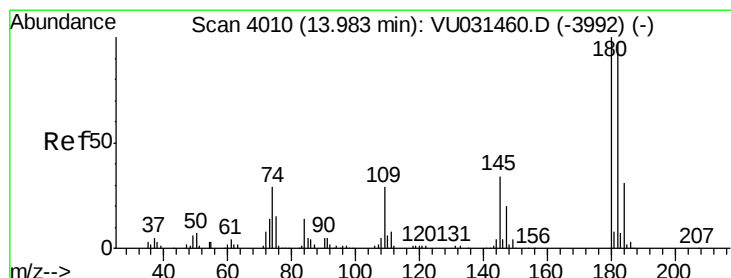
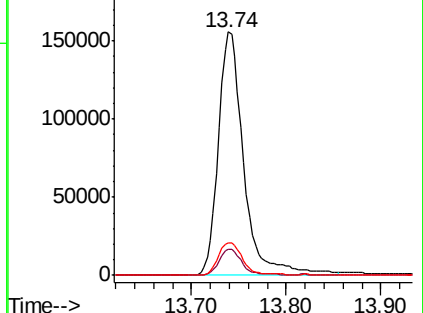
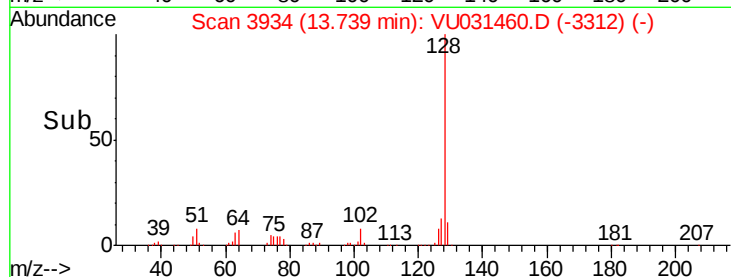
127 13.1 10.5 15.7



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: 4.749 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031460.D

Acq: 24 Apr 2019 10:44

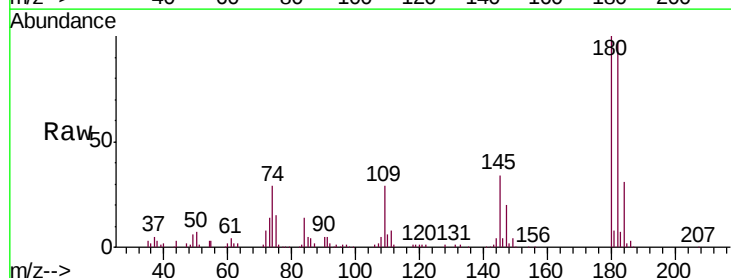
Tgt Ion:180 Resp: 146153

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.2 25.8 38.6



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

