

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031267.D
 Acq On : 17 Apr 2019 19:26
 Operator : JC/SP
 Sample : VSTD00504
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Quant Time: Apr 18 08:01:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	337343	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149344	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136575	5.28	ug/L	0.00
7) Chloroethane-d5	1.68	69	112421	5.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	284547	5.36	ug/L	0.00
20) 2-Butanone-d5	4.21	46	331160	50.76	ug/L	0.00
24) Chloroform-d	4.64	84	201280	4.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	105116	4.65	ug/L	0.00
32) Benzene-d6	5.33	84	424944	5.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	134901	4.97	ug/L	0.00
41) Toluene-d8	7.56	98	388507	5.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	52698	5.13	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	273676	60.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106457	5.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	139678	5.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	142034	4.006	ug/L 100
3) Chloromethane	1.32	50	173364	4.117	ug/L 100
5) Vinyl chloride	1.40	62	175551	4.518	ug/L 100
6) Bromomethane	1.63	94	104219	5.235	ug/L 100
8) Chloroethane	1.70	64	108338	4.805	ug/L 100
9) Trichlorofluoromethane	1.88	101	230399	5.081	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	132754	5.235	ug/L 100
12) 1,1-Dichloroethene	2.28	96	128937	5.232	ug/L 100
13) Acetone	2.35	43	261992	51.405	ug/L 100
14) Carbon disulfide	2.47	76	435612	5.067	ug/L 100
15) Methyl Acetate	2.62	43	68467	5.237	ug/L 100
16) Methylene chloride	2.69	84	145792	5.054	ug/L 100
17) Methyl tert-butyl Ether	3.00	73	353337	5.340	ug/L 100
18) trans-1,2-Dichloroethene	2.97	96	142554	5.416	ug/L 100
19) 1,1-Dichloroethane	3.44	63	212220	4.080	ug/L 100
21) 2-Butanone	4.29	43	344884	44.638	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	122351	4.548	ug/L 100
23) Bromochloromethane	4.55	128	53783	4.983	ug/L 100
25) Chloroform	4.67	83	206002	4.297	ug/L 100
27) 1,2-Dichloroethane	5.40	62	131161	4.221	ug/L 100
29) 1,1,1-Trichloroethane	4.91	97	170250	4.437	ug/L 100
30) Cyclohexane	4.99	56	207269	4.468	ug/L 100
31) Carbon tetrachloride	5.13	117	152853	4.720	ug/L 100
33) Benzene	5.38	78	480346	4.693	ug/L 100
34) Trichloroethene	6.18	95	125858	4.865	ug/L 100
35) Methylcyclohexane	6.41	83	188690	4.632	ug/L 100
37) 1,2-Dichloropropane	6.43	63	124225	4.437	ug/L 100
38) Bromodichloromethane	6.75	83	147954	4.514	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	168014	4.497	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	841913	48.085	ug/L 100

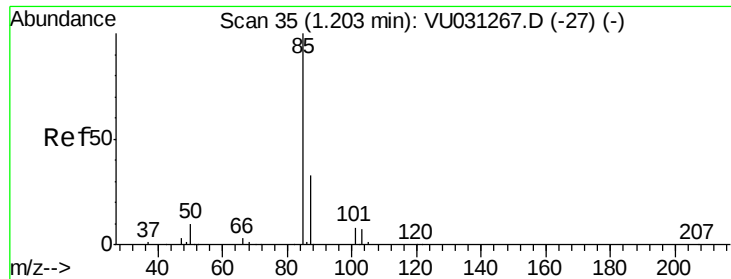
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
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 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	514105	4.967	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	139737	4.780	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	87778	5.109	ug/L	100
47) Tetrachloroethene	8.22	164	97558	5.274	ug/L	100
48) 2-Hexanone	8.36	43	587964	48.614	ug/L	100
49) Dibromochloromethane	8.47	129	99763	4.911	ug/L	100
50) 1,2-Dibromoethane	8.58	107	84222	5.264	ug/L	100
51) Chlorobenzene	9.12	112	311027	4.847	ug/L	100
52) Ethylbenzene	9.25	91	537604	4.881	ug/L	100
53) m,p-Xylene	9.37	106	202605	5.208	ug/L	100
54) o-Xylene	9.77	106	201645	5.275	ug/L	100
55) Styrene	9.79	104	334764	5.235	ug/L	100
56) Isopropylbenzene	10.16	105	525315	5.165	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	108009	4.812	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	77044	4.855	ug/L	100
61) Bromoform	9.95	173	58355	5.179	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	235802	5.012	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	235012	4.792	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	228160	4.980	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	17350	4.941	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	181820	5.172	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	153503	5.584	ug/L	100
69) Naphthalene	13.74	128	332560	6.982	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	150994	5.824	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.006 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

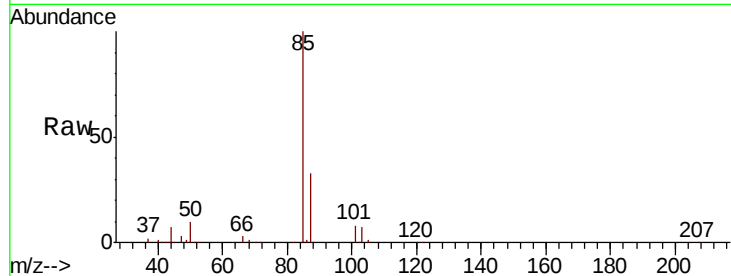
VSTD00504

Tgt Ion: 85 Resp: 142034

Ion Ratio Lower Upper

85 100

87 33.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU031267.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031267.D (-27) (-)

1.20

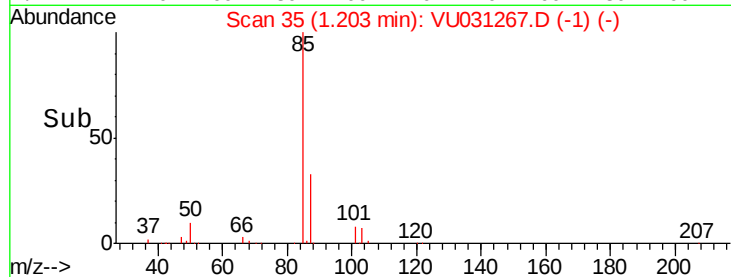
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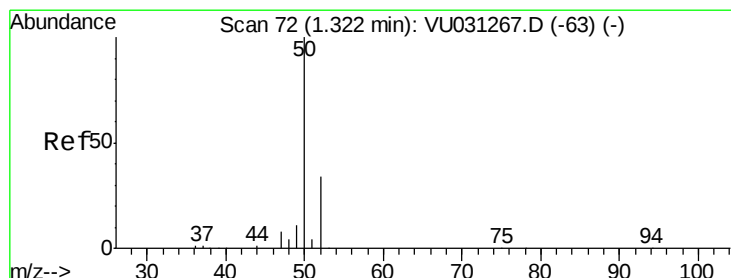
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Time-->



Time-->



#3

Chloromethane

Concen: 4.117 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031267.D

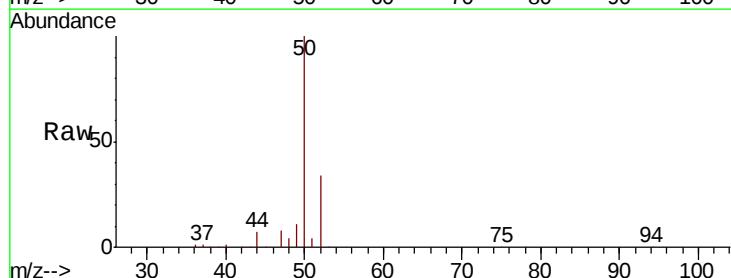
Acq: 17 Apr 2019 19:26

Tgt Ion: 50 Resp: 173364

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU031267.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031267.D (-63) (-)

1.32

200000

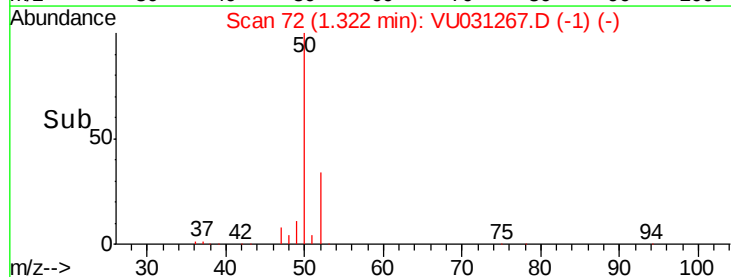
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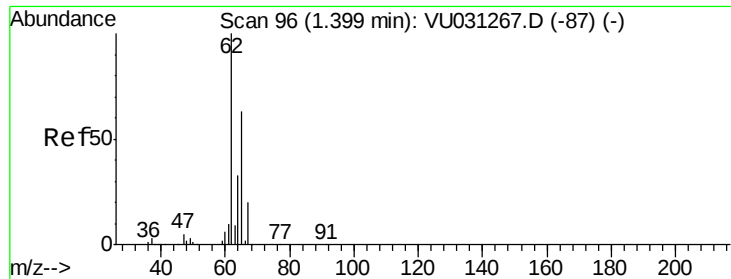
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Time-->



Time-->



#5

Vinyl chloride

Concen: 4.518 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

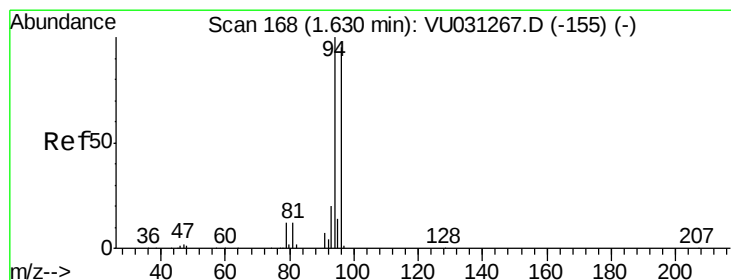
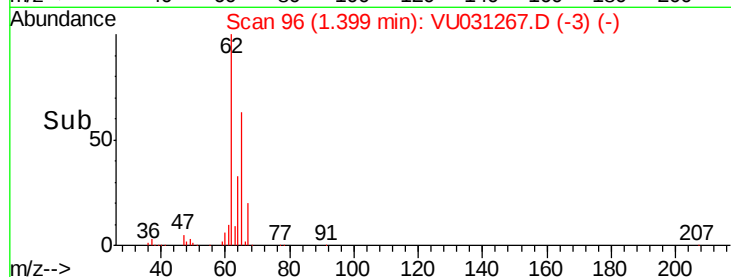
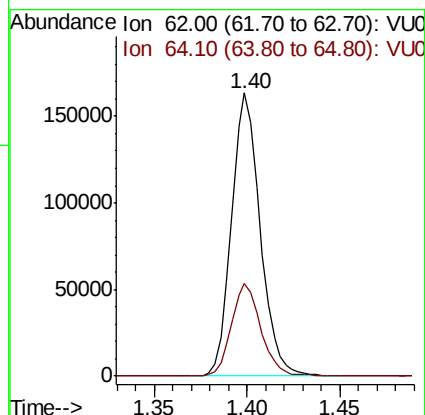
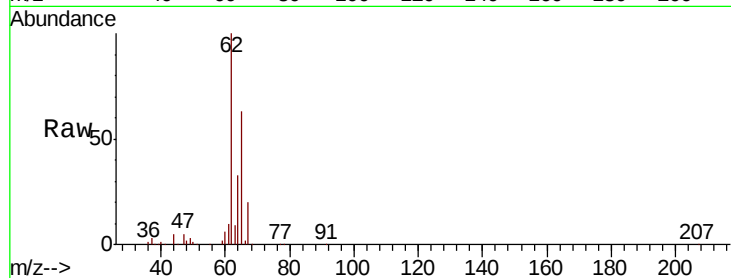
VSTD00504

Tgt Ion: 62 Resp: 175551

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 5.235 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031267.D

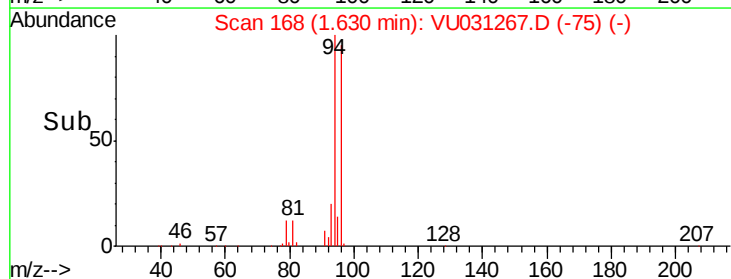
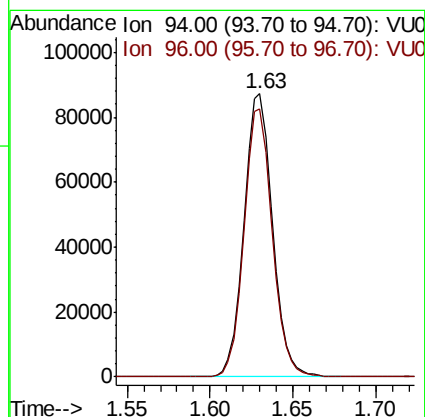
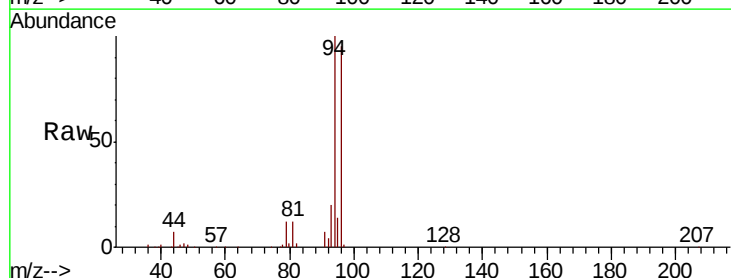
Acq: 17 Apr 2019 19:26

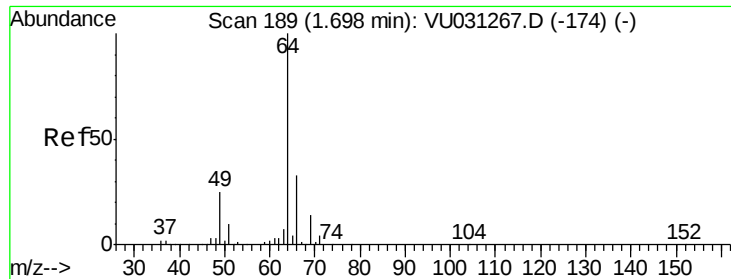
Tgt Ion: 94 Resp: 104219

Ion Ratio Lower Upper

94 100

96 94.7 66.3 123.1

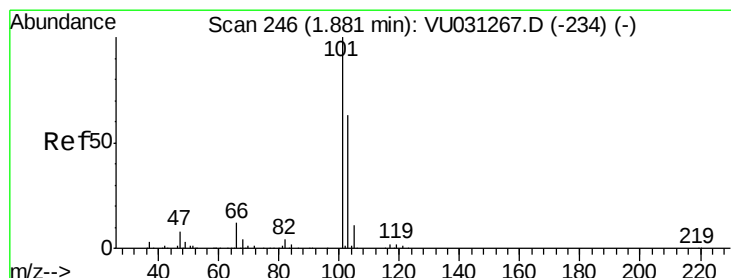
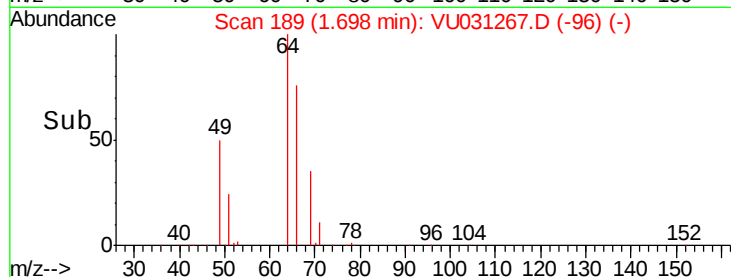
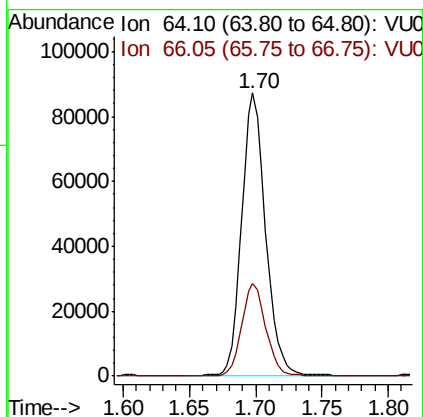
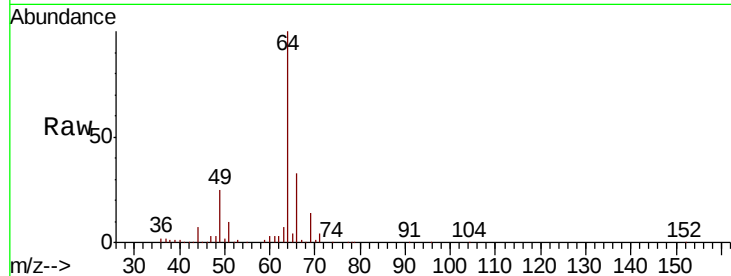




#8
Chloroethane
Concen: 4.805 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

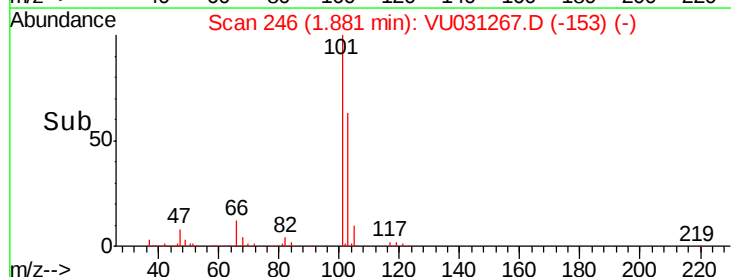
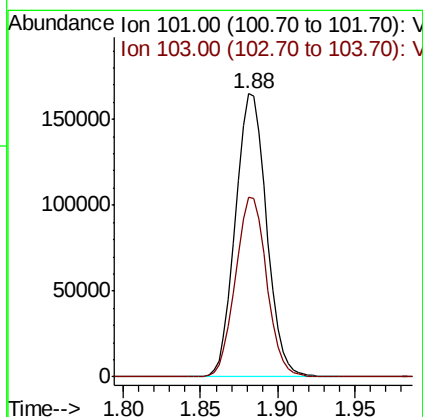
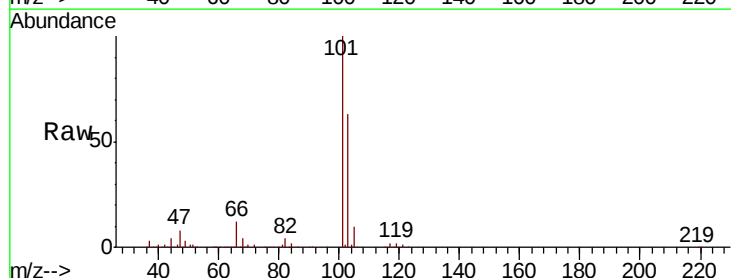
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

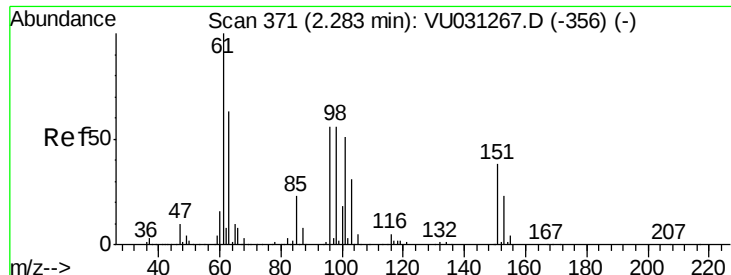
Tgt Ion: 64 Resp: 108338
Ion Ratio Lower Upper
64 100
66 32.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.081 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 101 Resp: 230399
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3





#10

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

Concen: 5.235 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

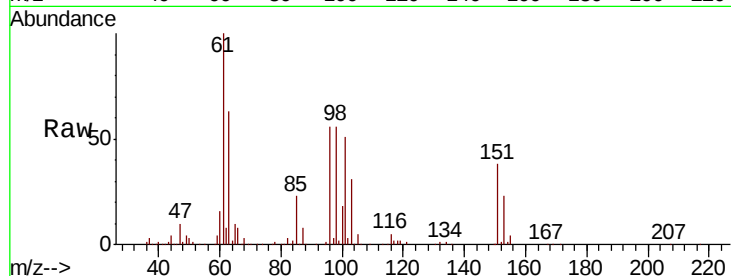
Tgt Ion: 101 Resp: 132754

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

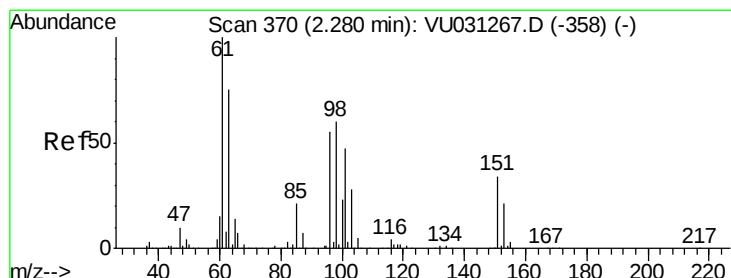
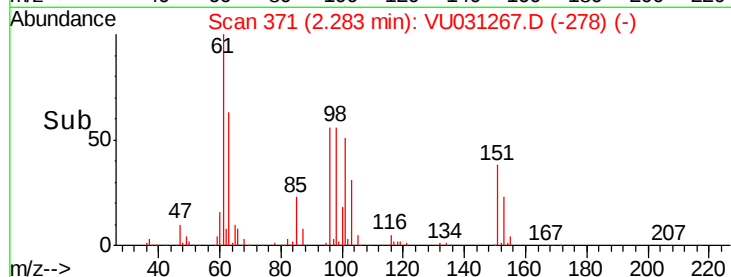
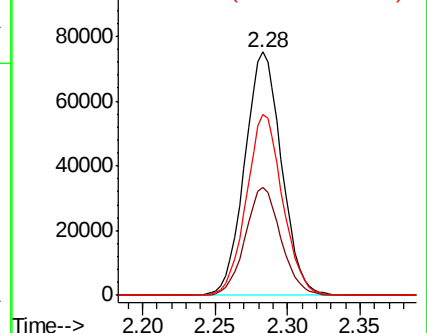
151 73.0 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.232 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

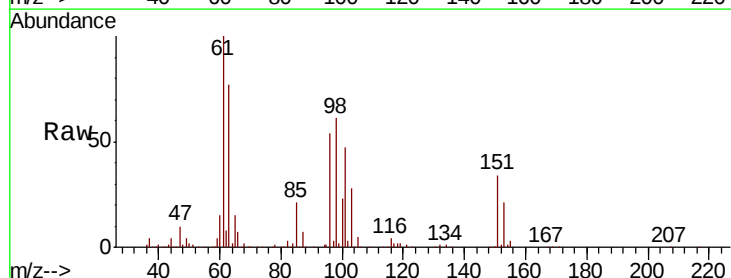
Tgt Ion: 96 Resp: 128937

Ion Ratio Lower Upper

96 100

61 183.6 128.5 238.7

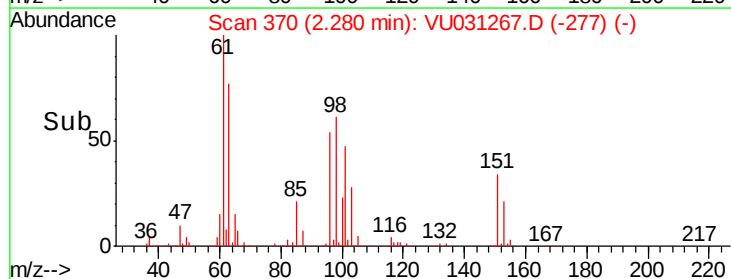
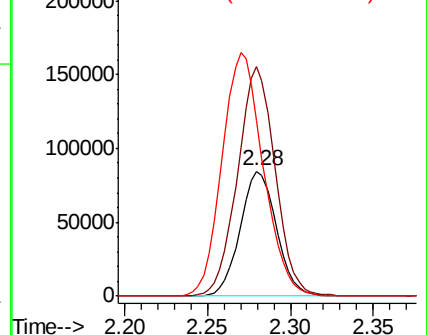
63 141.3 98.9 183.7

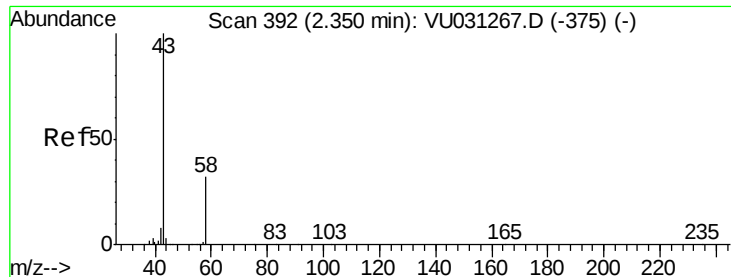


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.405 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

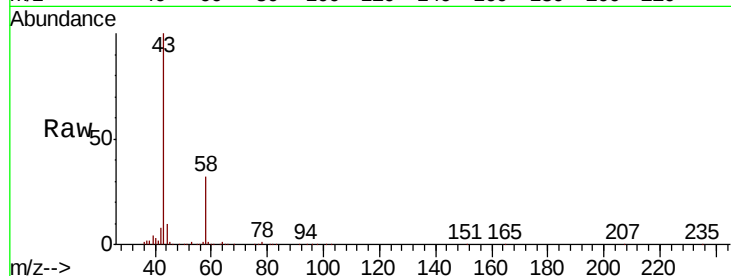
VSTD00504

Tgt Ion: 43 Resp: 261992

Ion Ratio Lower Upper

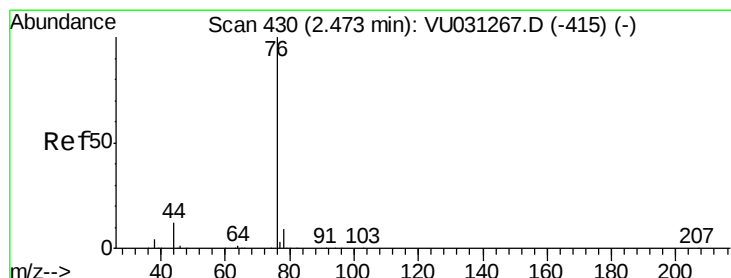
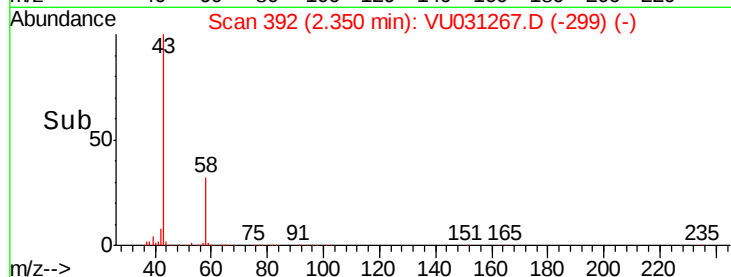
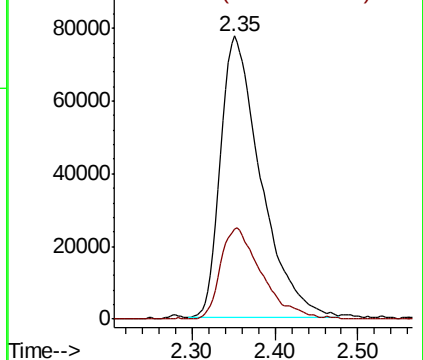
43 100

58 32.9 0.0 65.8



Abundance Ion 43.05 (42.75 to 43.75): VU031267.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU031267.D (-375) (-)



#14

Carbon disulfide

Concen: 5.067 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031267.D

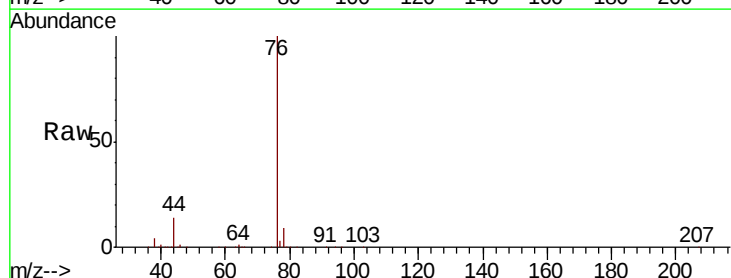
Acq: 17 Apr 2019 19:26

Tgt Ion: 76 Resp: 435612

Ion Ratio Lower Upper

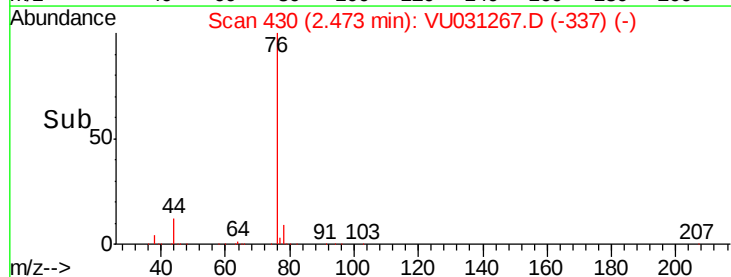
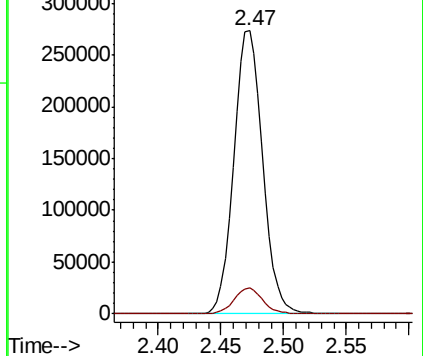
76 100

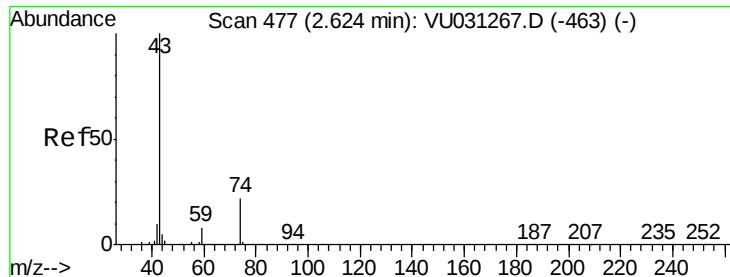
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU031267.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031267.D (-415) (-)

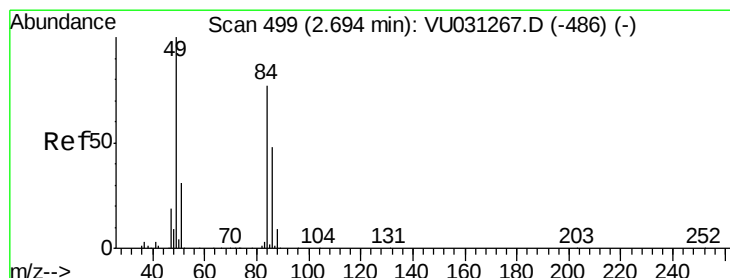
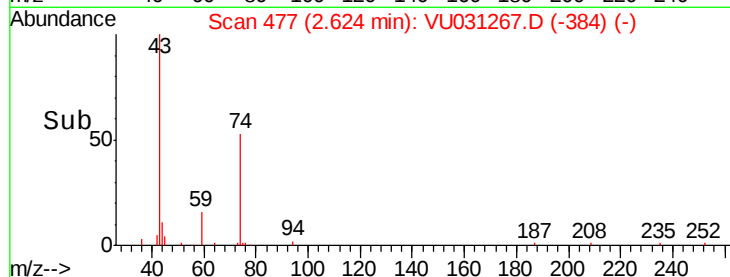
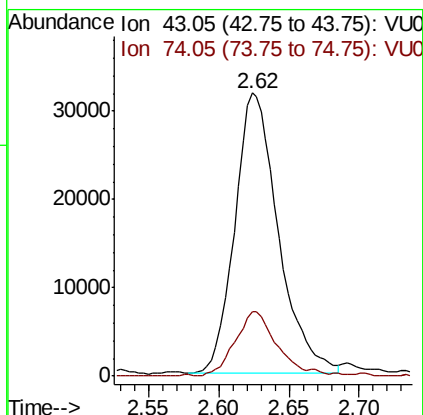
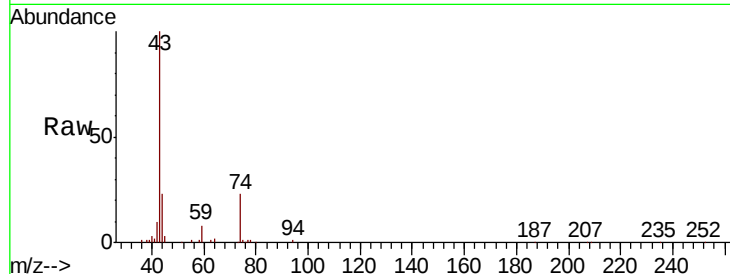




#15
Methyl Acetate
Concen: 5.237 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

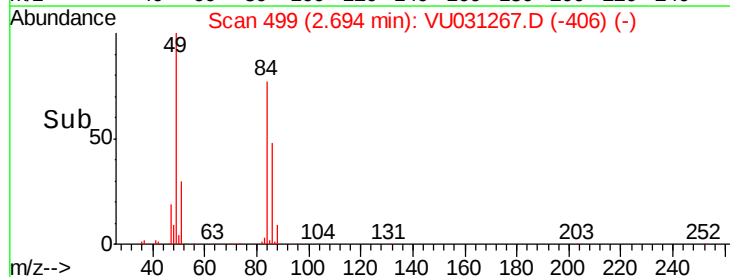
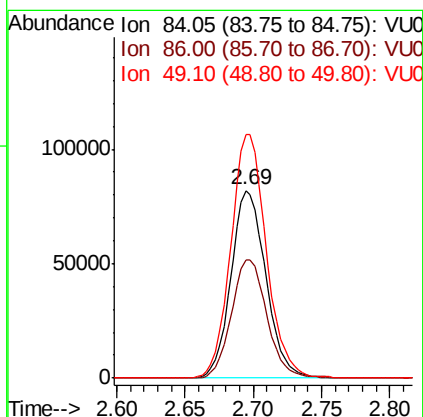
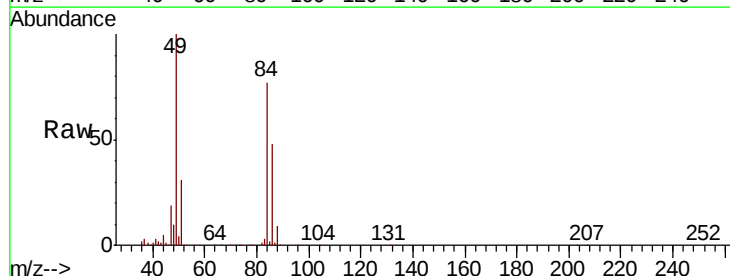
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

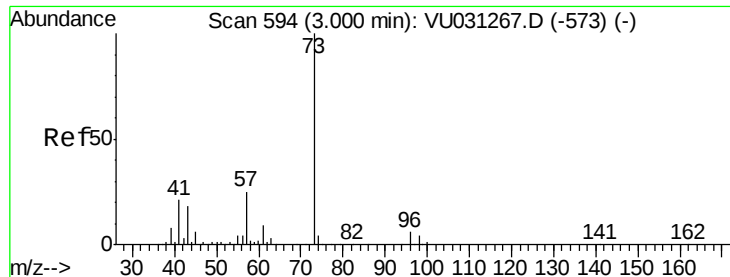
Tgt Ion: 43 Resp: 68467
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 5.054 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 84 Resp: 145792
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 129.9 90.9 168.9





#17

Methyl tert-butyl Ether

Concen: 5.340 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

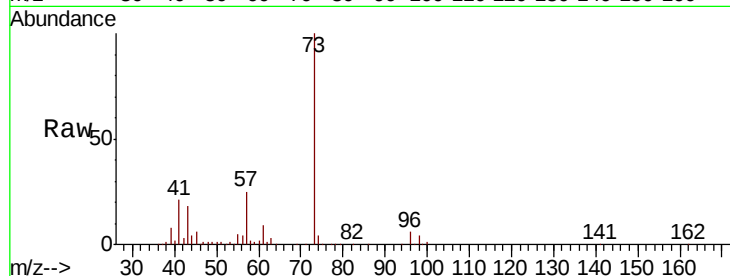
Tgt Ion: 73 Resp: 353337

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

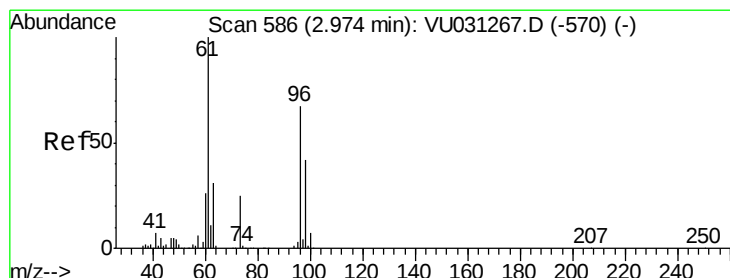
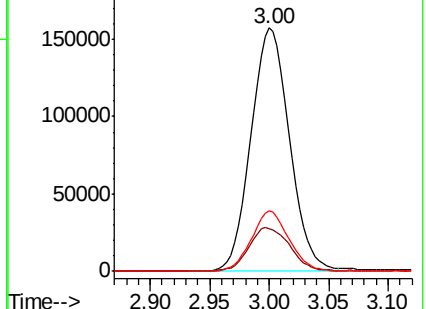
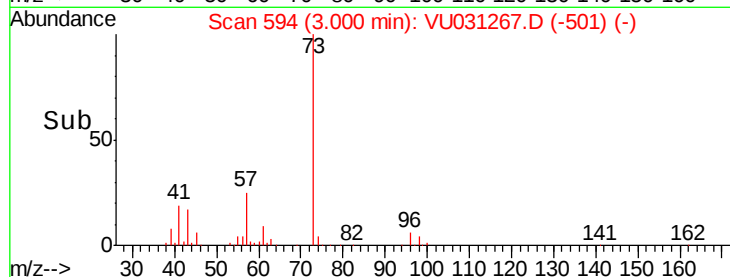
57 24.2 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU031267.D (-573) (-)

Ion 43.05 (42.75 to 43.75): VU031267.D (-573) (-)

Ion 57.10 (56.80 to 57.80): VU031267.D (-573) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.416 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

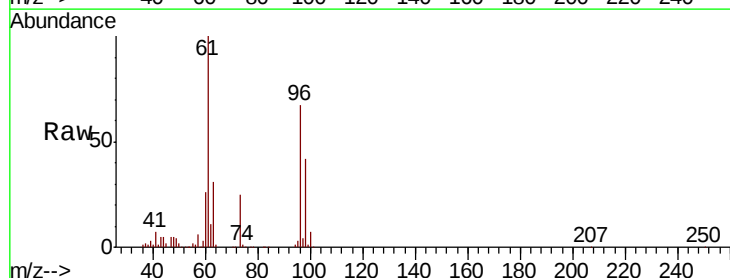
Tgt Ion: 96 Resp: 142554

Ion Ratio Lower Upper

96 100

61 150.0 105.0 195.0

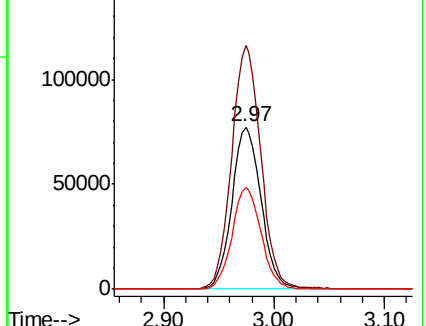
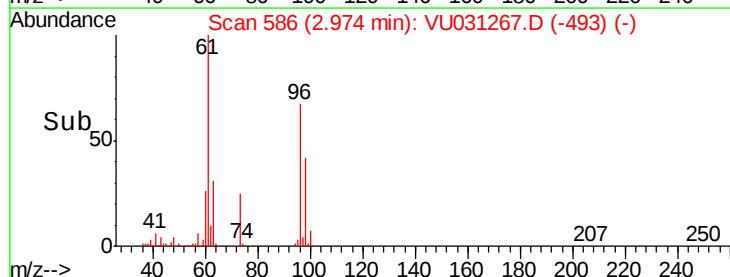
98 62.7 43.9 81.5

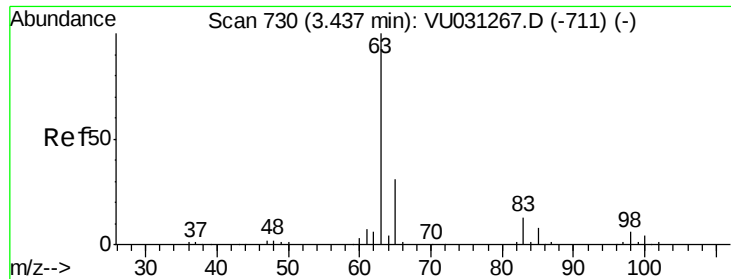


Abundance Ion 96.00 (95.70 to 96.70): VU031267.D (-570) (-)

Ion 61.05 (60.75 to 61.75): VU031267.D (-570) (-)

Ion 97.95 (97.65 to 98.65): VU031267.D (-570) (-)

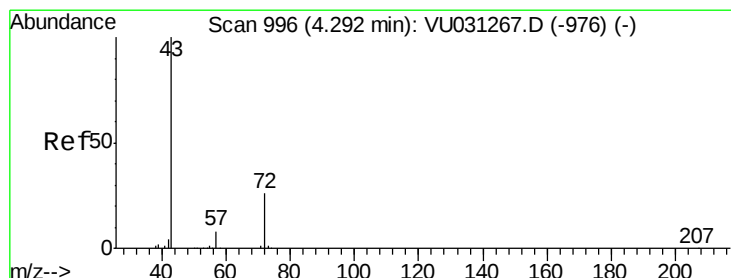
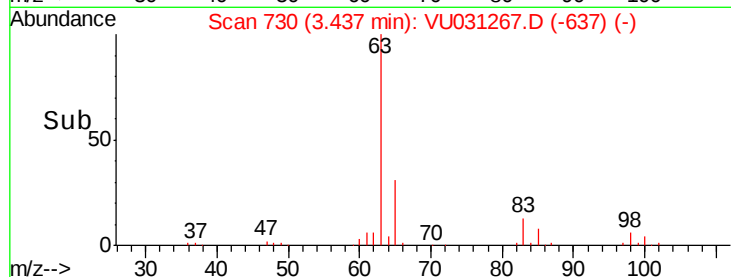
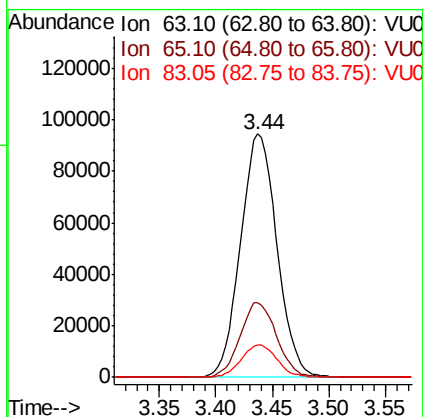
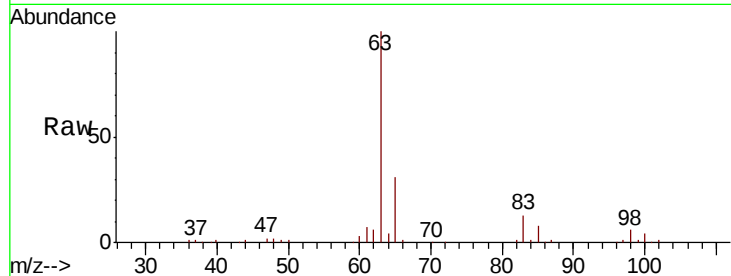




#19
 1,1-Dichloroethane
 Concen: 4.080 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

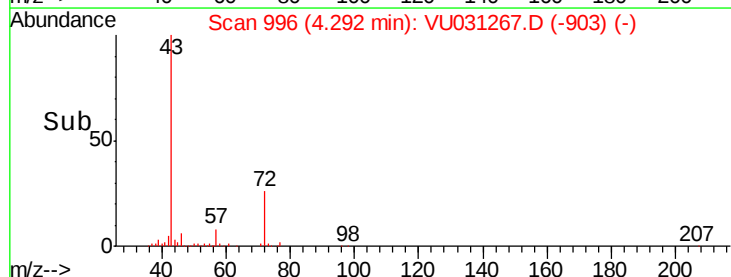
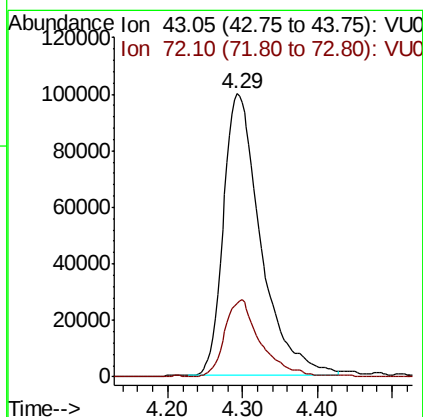
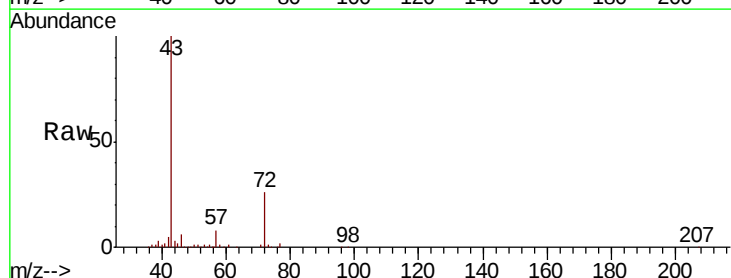
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

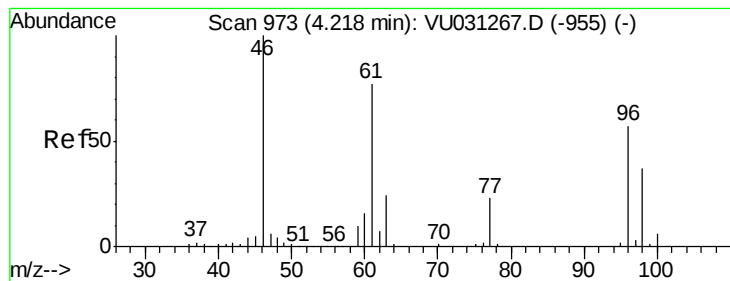
Tgt Ion: 63 Resp: 212220
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 13.2 9.2 17.2



#21
 2-Butanone
 Concen: 44.638 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Tgt Ion: 43 Resp: 344884
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.0 38.9



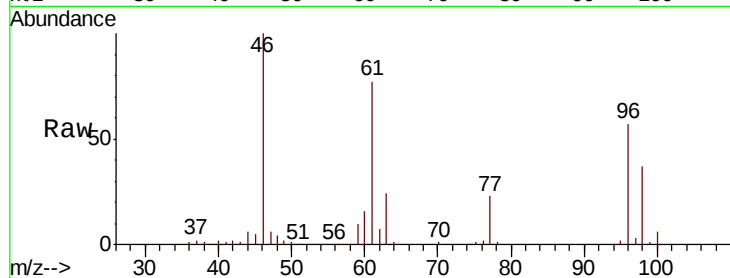


#22

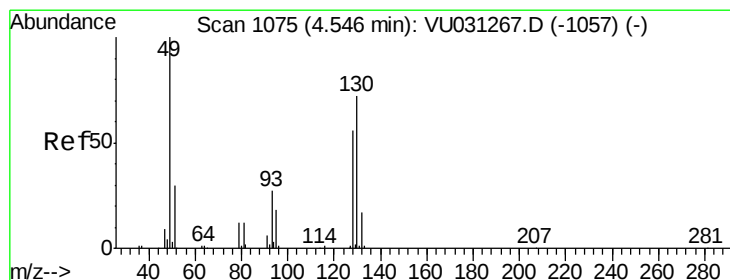
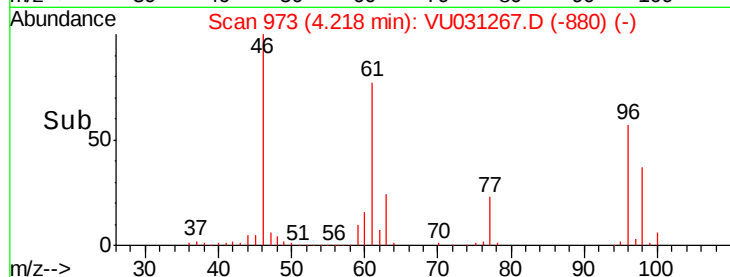
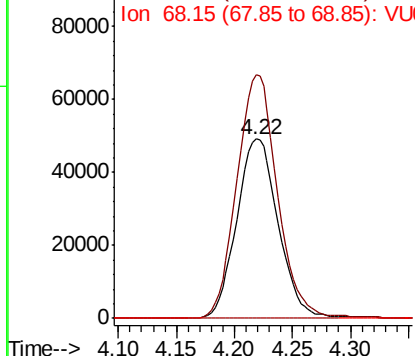
cis-1,2-Dichloroethene
Concen: 4.548 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 96 Resp: 122351
Ion Ratio Lower Upper
96 100
61 135.9 95.1 176.7
68 0.0 0.0 0.0



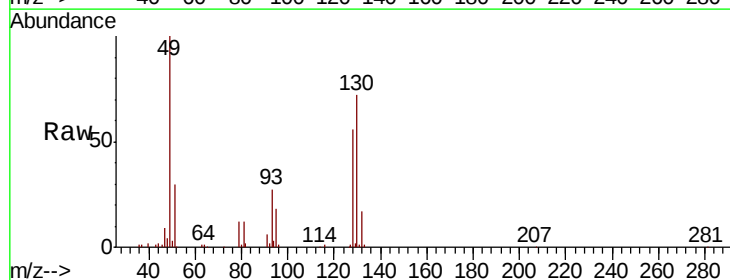
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



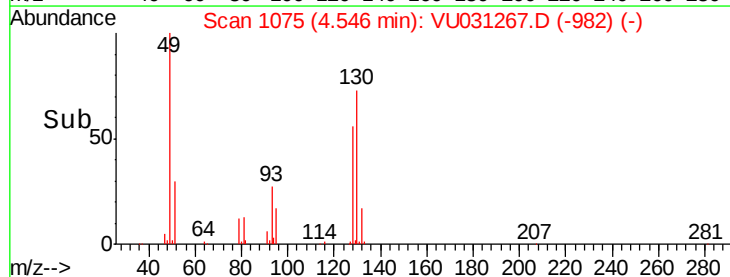
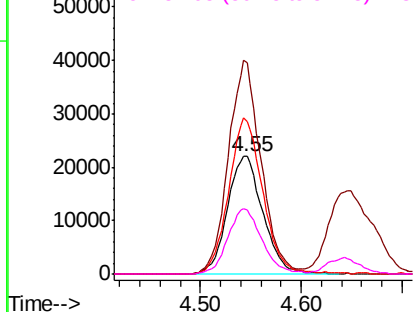
#23

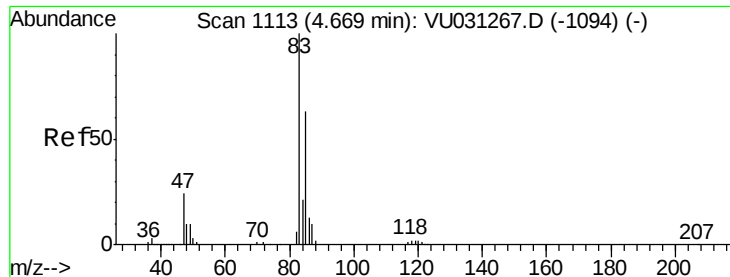
Bromochloromethane
Concen: 4.983 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 128 Resp: 53783
Ion Ratio Lower Upper
128 100
49 179.6 125.7 233.5
130 130.0 91.0 169.0
51 53.9 43.1 64.7



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

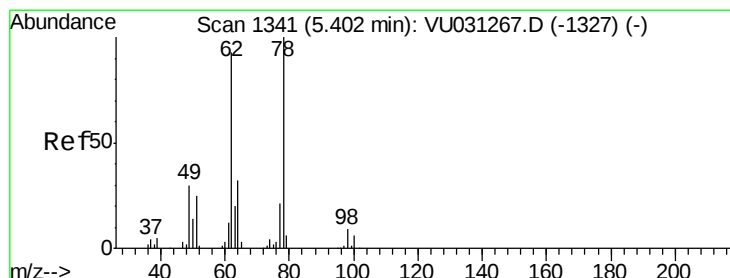
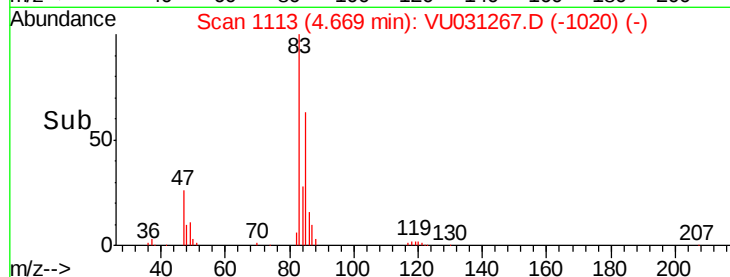
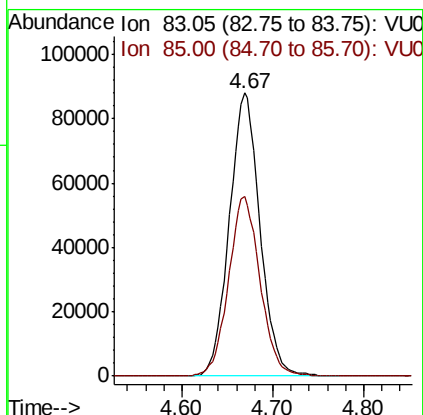
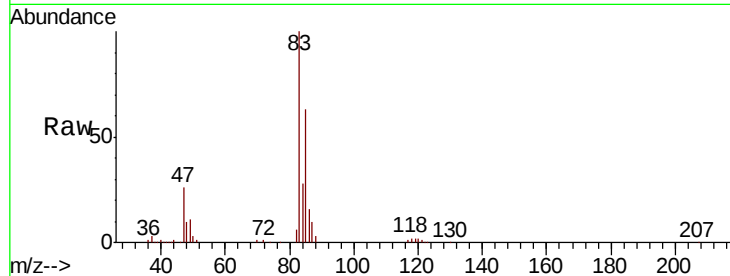




#25
Chloroform
Concen: 4.297 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

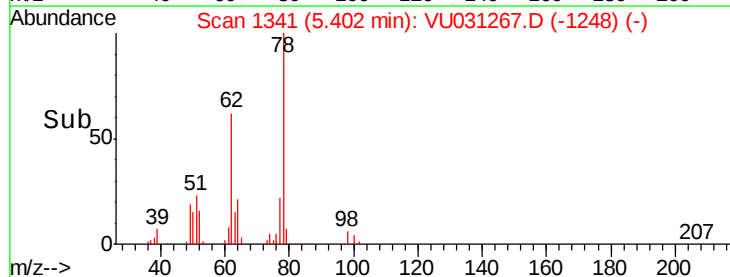
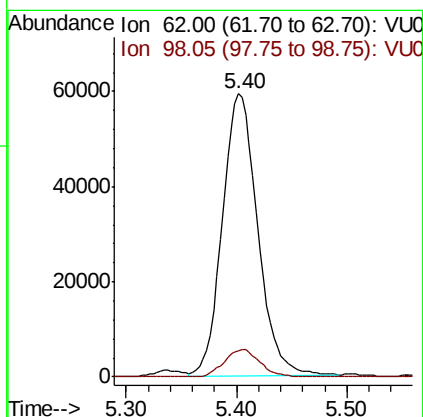
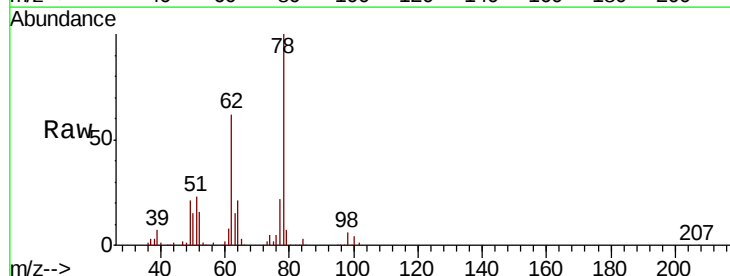
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

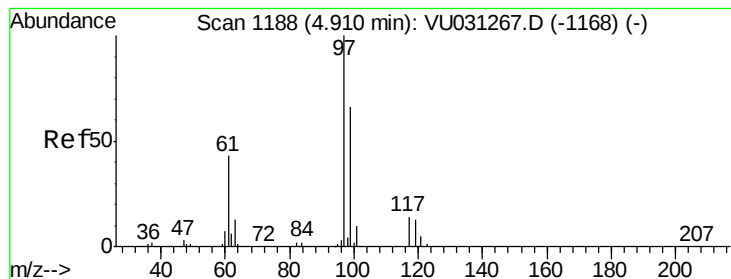
Tgt Ion: 83 Resp: 206002
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.221 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 62 Resp: 131161
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.437 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

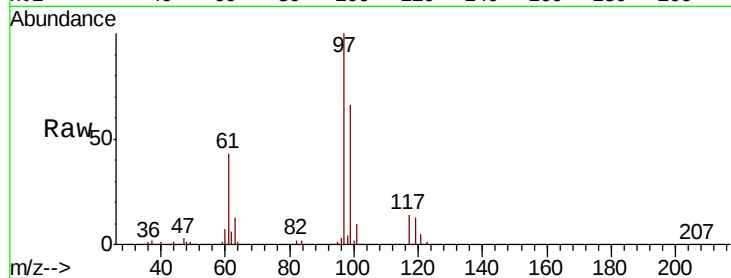
Tgt Ion: 97 Resp: 170250

Ion Ratio Lower Upper

97 100

99 67.4 53.9 80.9

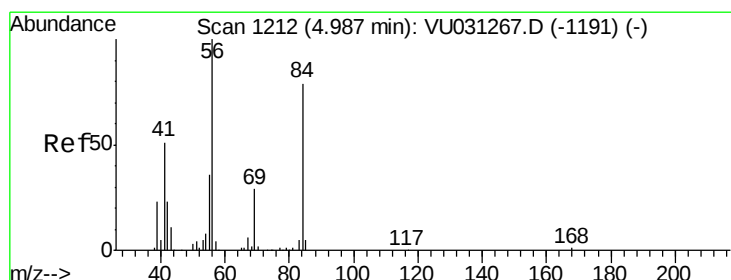
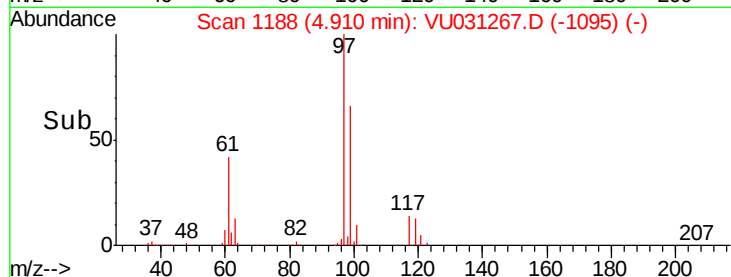
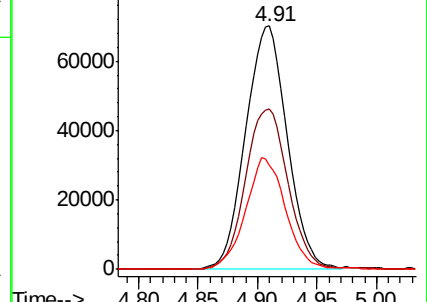
61 43.8 35.0 52.6



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: 4.468 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

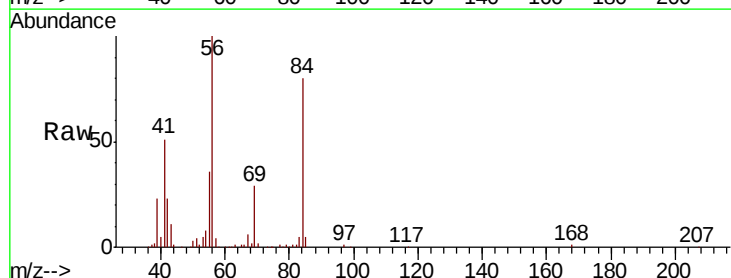
Tgt Ion: 56 Resp: 207269

Ion Ratio Lower Upper

56 100

69 29.1 23.3 34.9

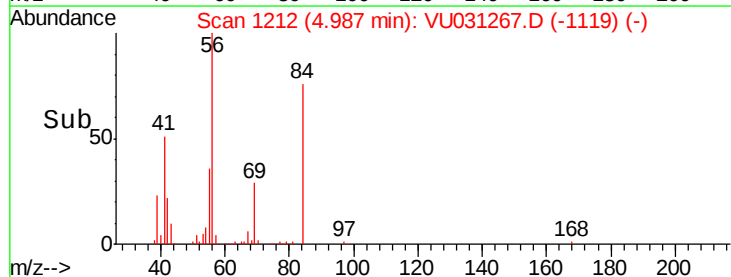
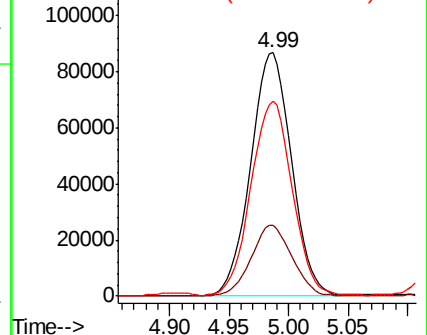
84 81.5 65.2 97.8

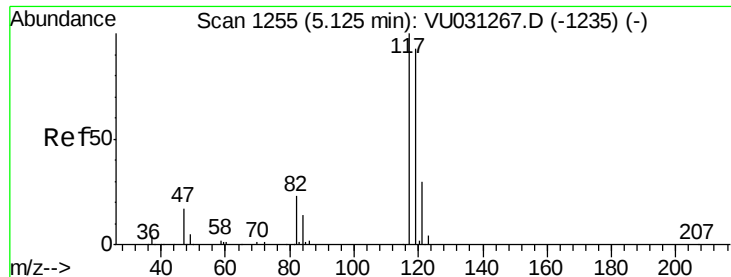


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

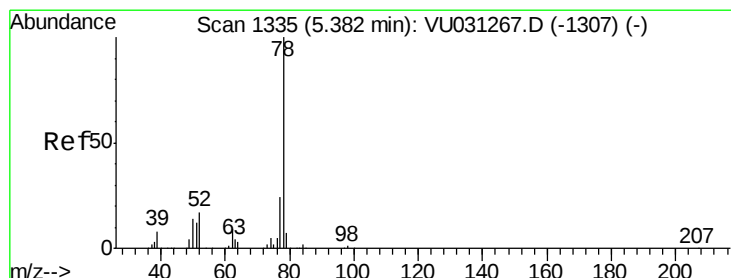
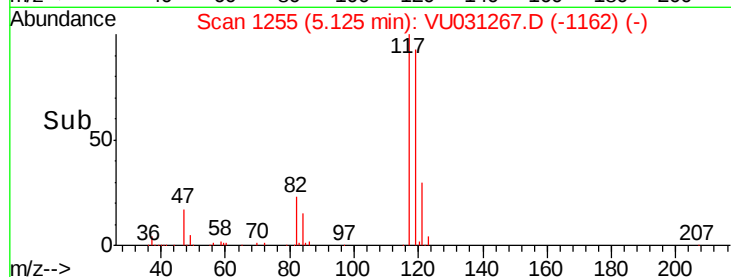
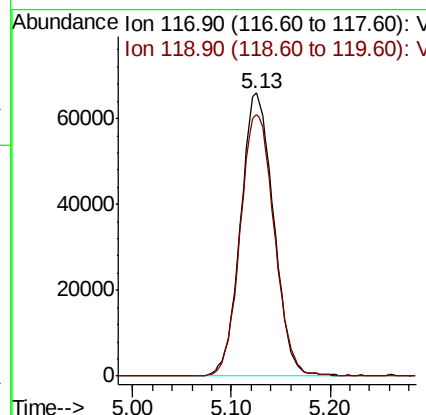
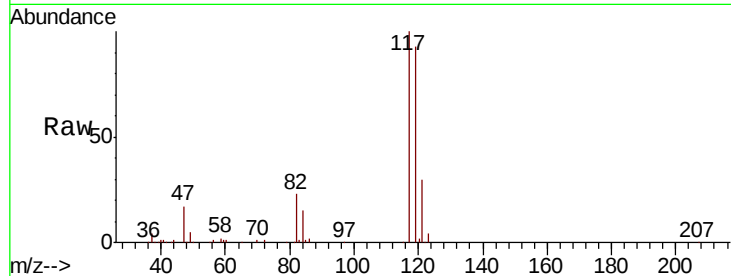




#31
Carbon tetrachloride
Concen: 4.720 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

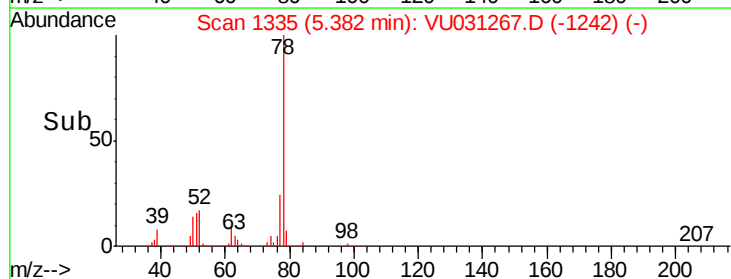
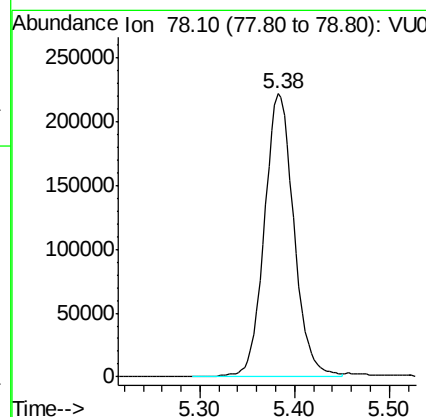
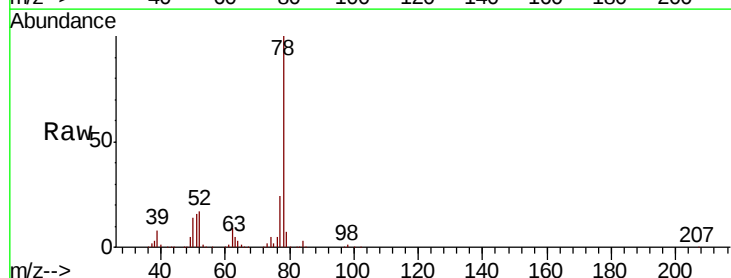
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

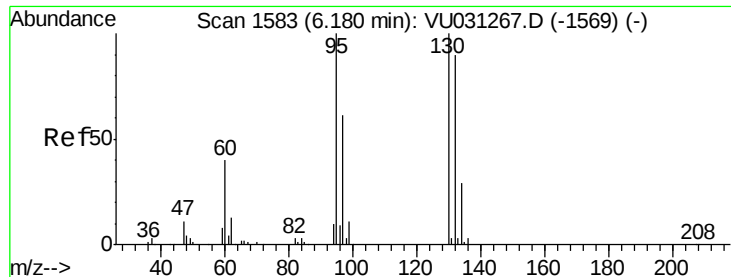
Tgt Ion:117 Resp: 152853
Ion Ratio Lower Upper
117 100
119 95.5 76.4 114.6



#33
Benzene
Concen: 4.693 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 78 Resp: 480346





#34

Trichloroethene

Concen: 4.865 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

Tgt Ion: 95 Resp: 125858

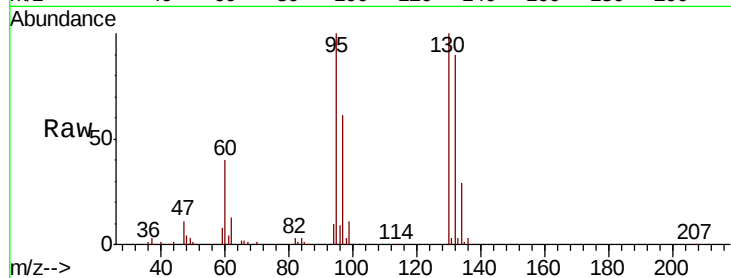
Ion Ratio Lower Upper

95 100

97 61.0 42.7 79.3

132 89.6 62.7 116.5

130 99.5 69.7 129.4

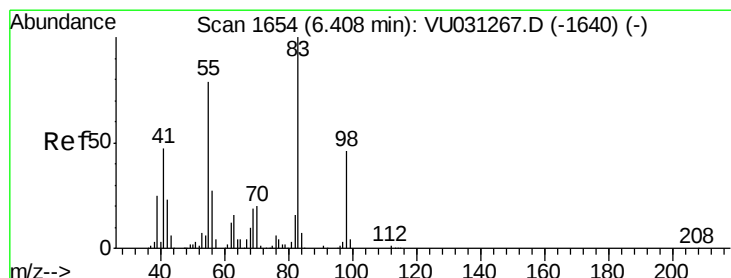
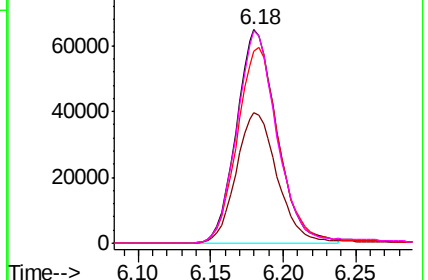
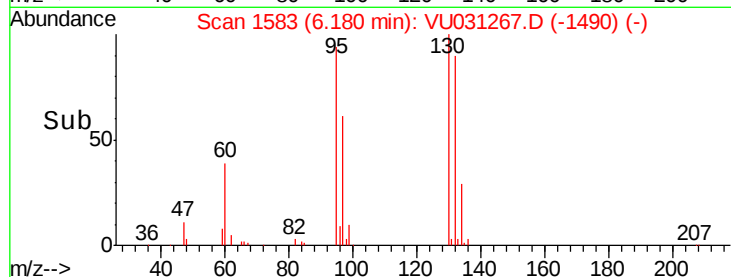


Abundance Ion 95.00 (94.70 to 95.70): VU031267.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU031267.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU031267.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU031267.D (-1569) (-)



#35

Methylcyclohexane

Concen: 4.632 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

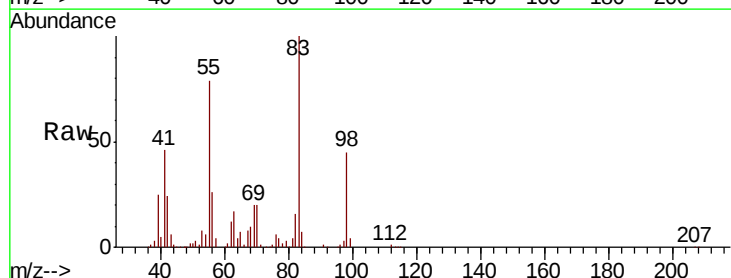
Tgt Ion: 83 Resp: 188690

Ion Ratio Lower Upper

83 100

55 82.6 66.1 99.1

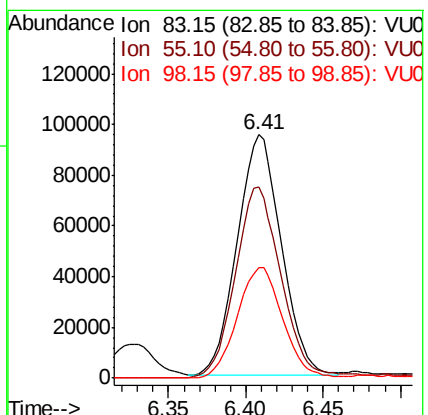
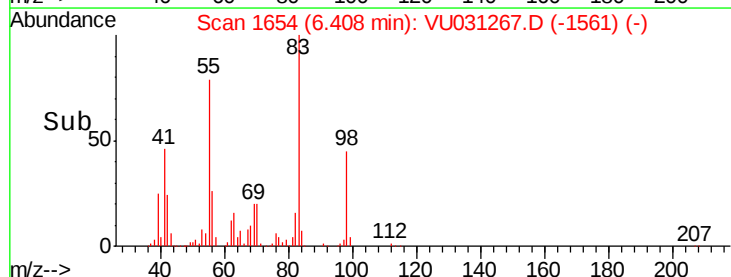
98 47.3 37.8 56.8

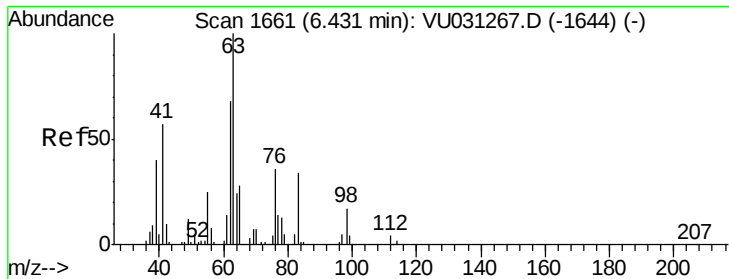


Abundance Ion 83.15 (82.85 to 83.85): VU031267.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU031267.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU031267.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 4.437 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

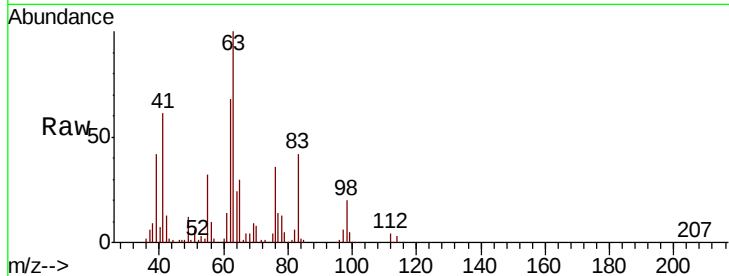
VSTD00504

Tgt Ion: 63 Resp: 124225

Ion Ratio Lower Upper

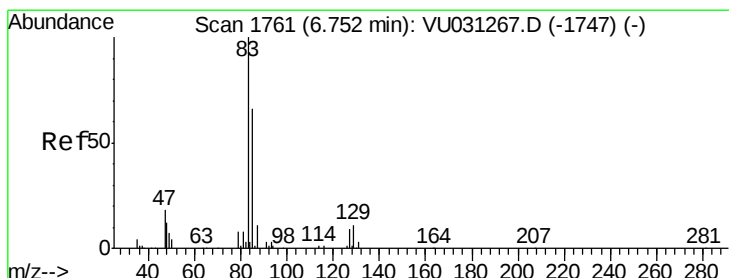
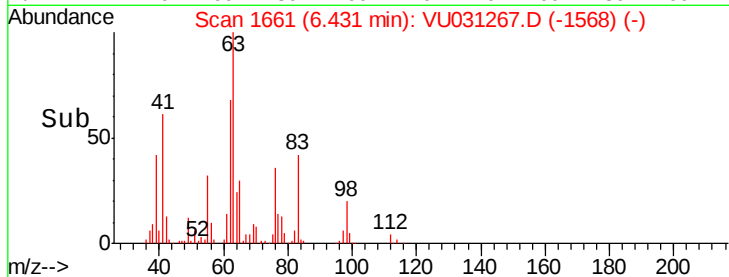
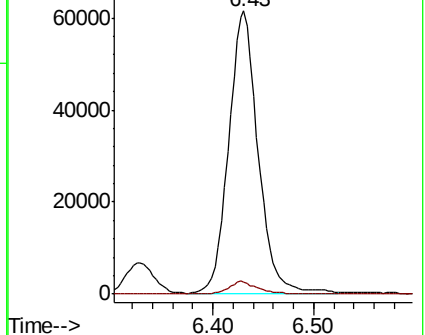
63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU031267.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU031267.D (-1644) (-)



#38

Bromodichloromethane

Concen: 4.514 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

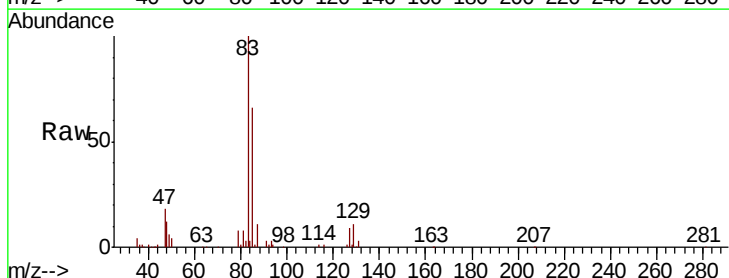
Tgt Ion: 83 Resp: 147954

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

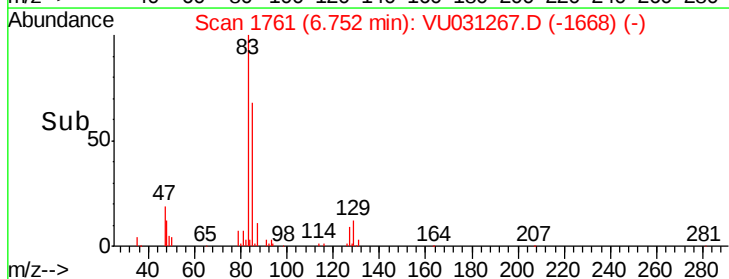
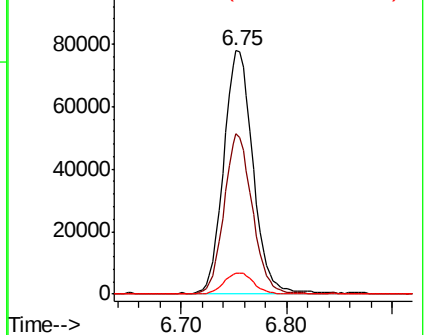
127 8.5 6.8 10.2

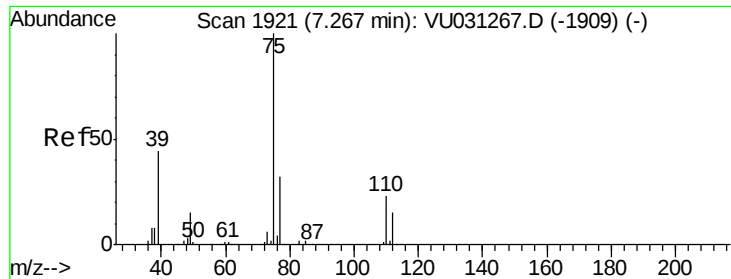


Abundance Ion 82.95 (82.65 to 83.65): VU031267.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VU031267.D (-1747) (-)

Ion 126.90 (126.60 to 127.60): VU031267.D (-1747) (-)

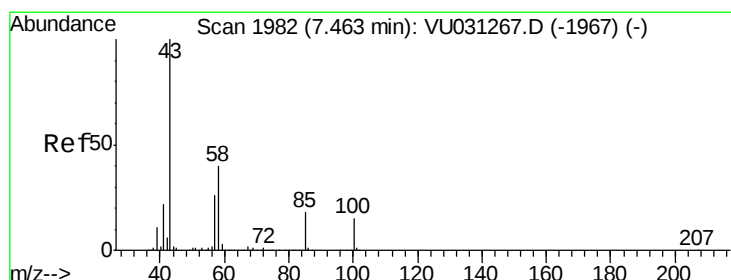
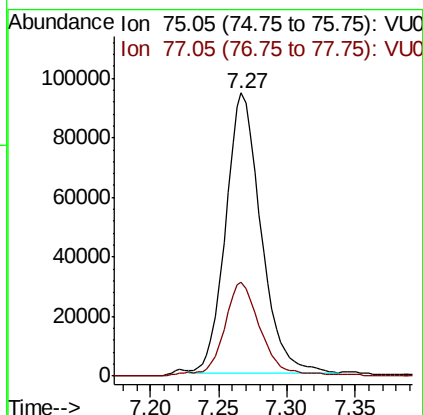
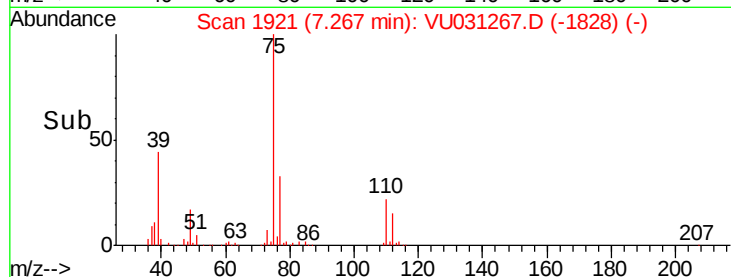
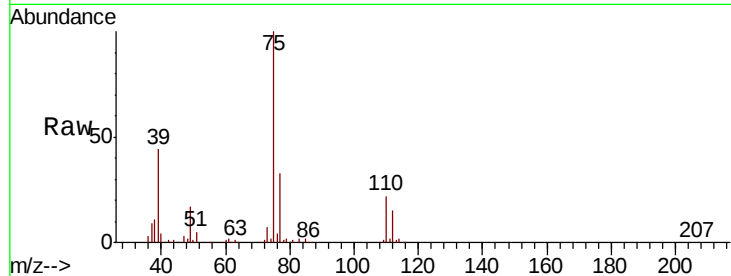




#39
 cis-1,3-Dichloropropene
 Concen: 4.497 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

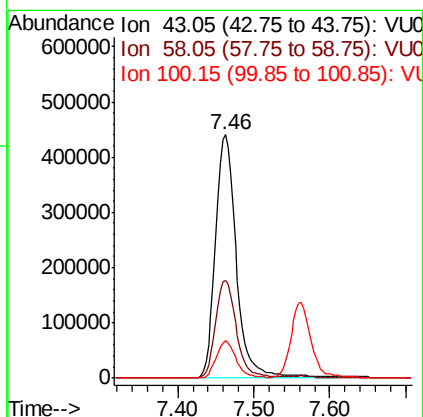
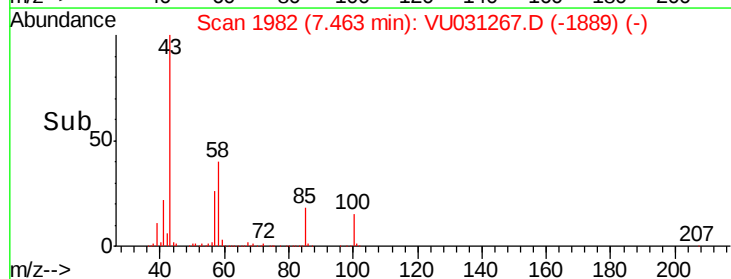
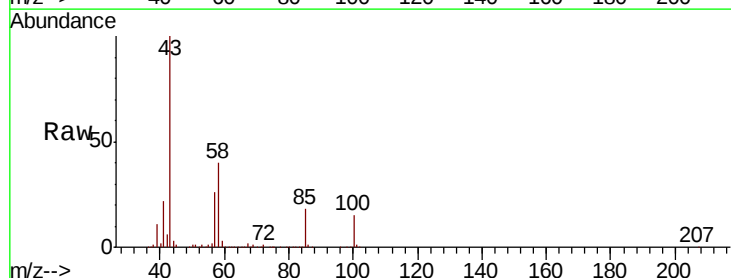
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00504

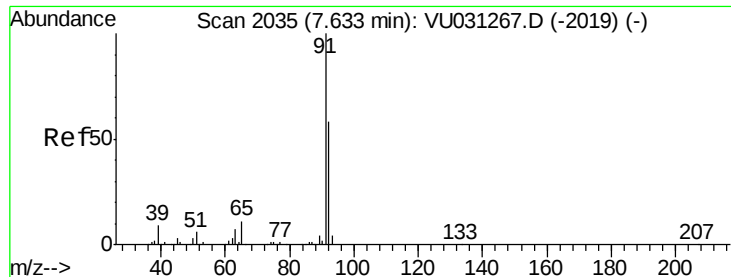
Tgt Ion: 75 Resp: 168014
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 48.085 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Tgt Ion: 43 Resp: 841913
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8
 100 14.4 11.5 17.3





#42

Toluene

Concen: 4.967 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

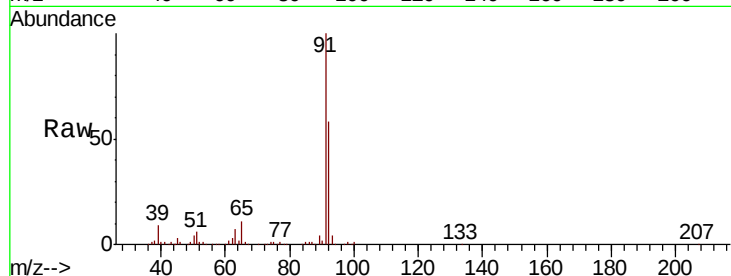
VSTD00504

Tgt Ion: 91 Resp: 514105

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU031267.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VU031267.D (-2019) (-)

7.63

300000

250000

200000

150000

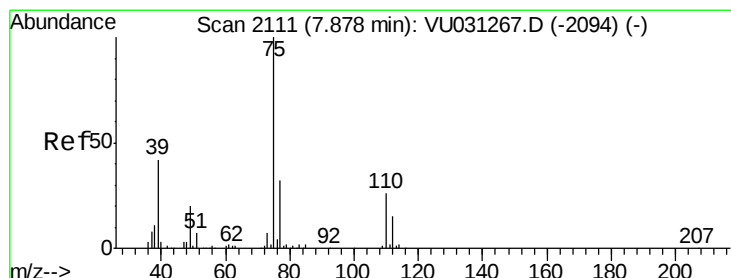
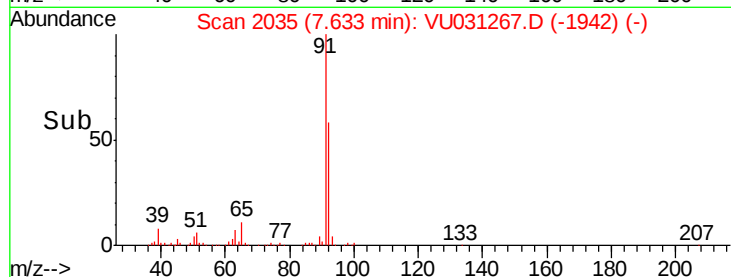
100000

50000

0

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.780 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031267.D

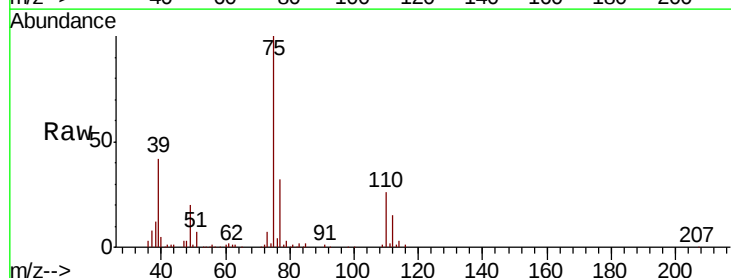
Acq: 17 Apr 2019 19:26

Tgt Ion: 75 Resp: 139737

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU031267.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU031267.D (-2094) (-)

7.88

80000

60000

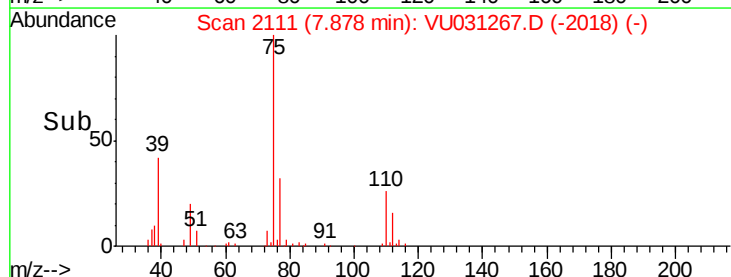
40000

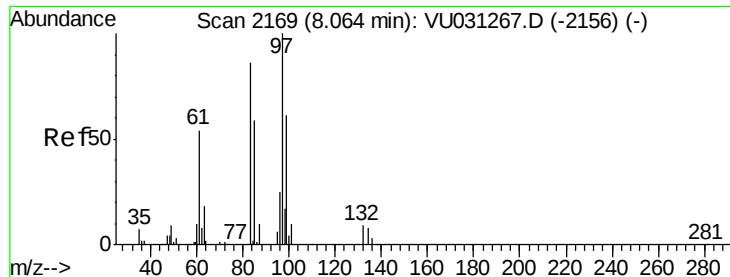
20000

0

7.80 7.90 8.00

Time-->

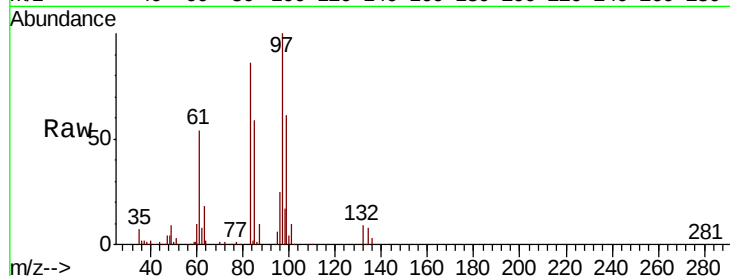




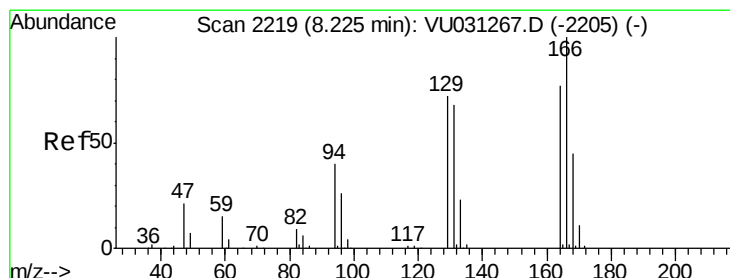
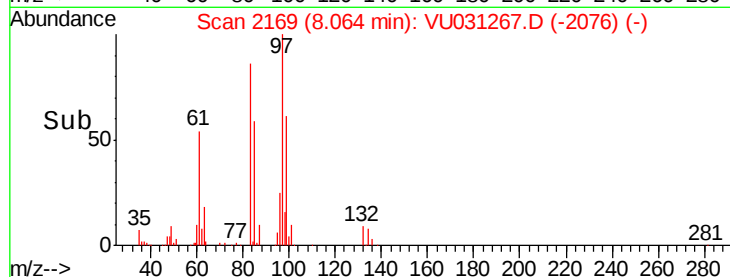
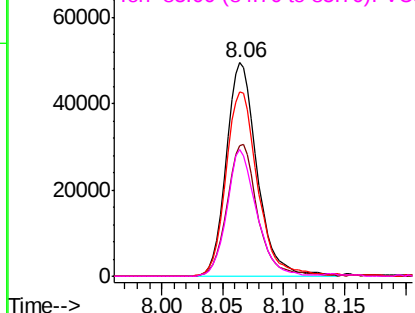
#45
 1,1,2-Trichloroethane
 Concen: 5.109 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:	97	Resp:	87778
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.8	79.6
83	86.3	60.4	112.2
85	59.2	41.4	77.0

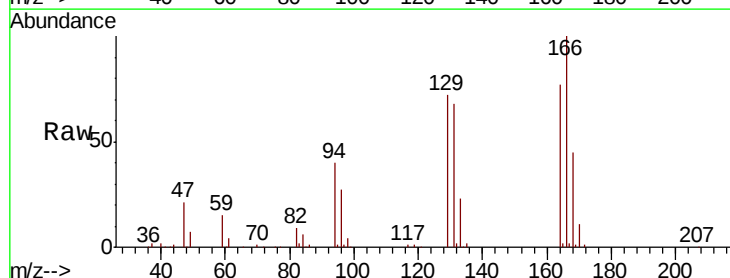


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

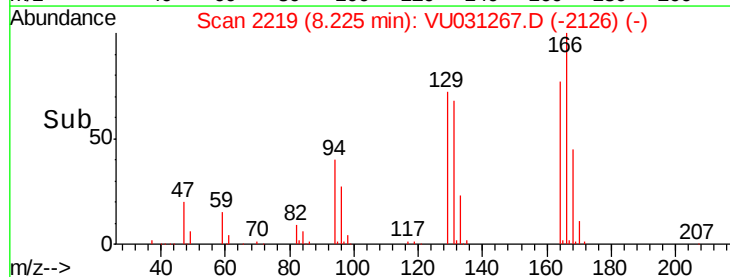
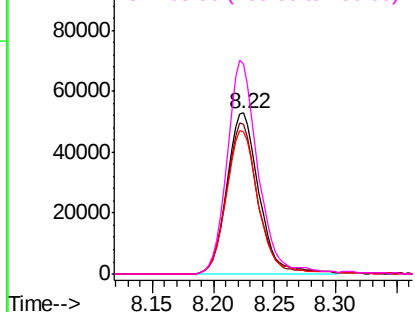


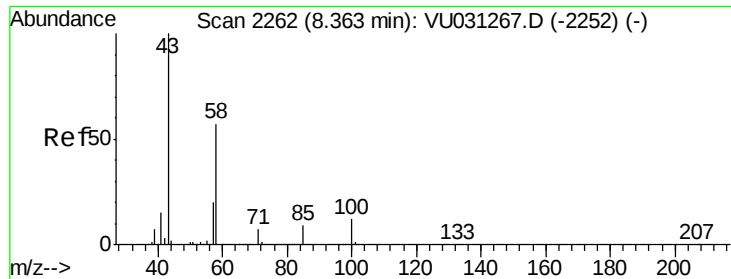
#47
 Tetrachloroethene
 Concen: 5.274 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Tgt Ion:	164	Resp:	97558
Ion	Ratio	Lower	Upper
164	100		
129	93.2	65.2	121.2
131	88.4	61.9	114.9
166	130.3	91.2	169.4



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

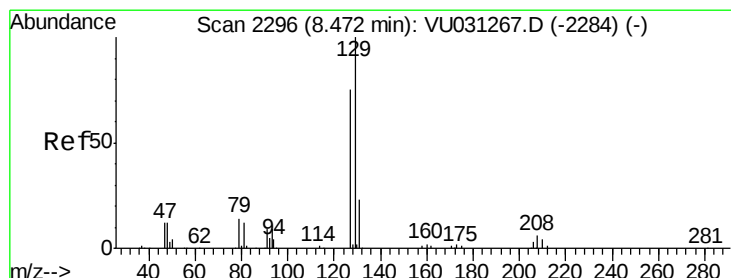
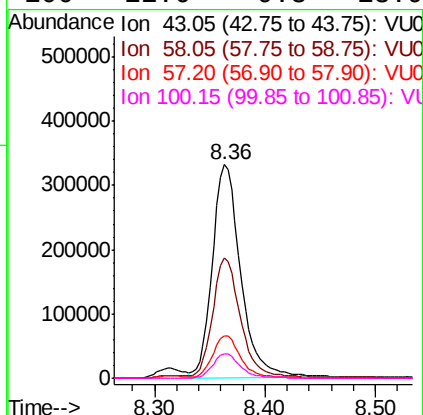
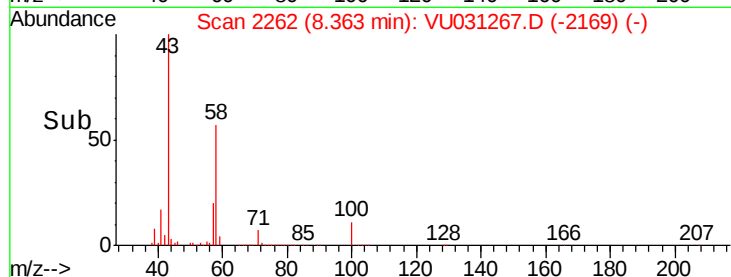
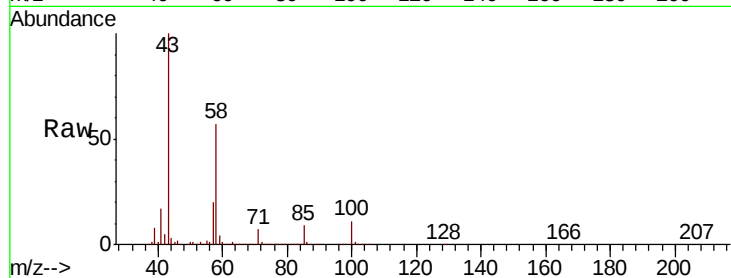




#48
2-Hexanone
Concen: 48.614 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

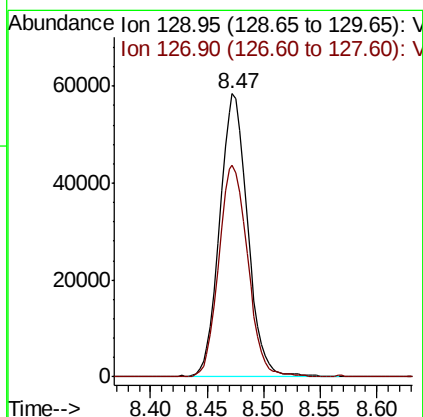
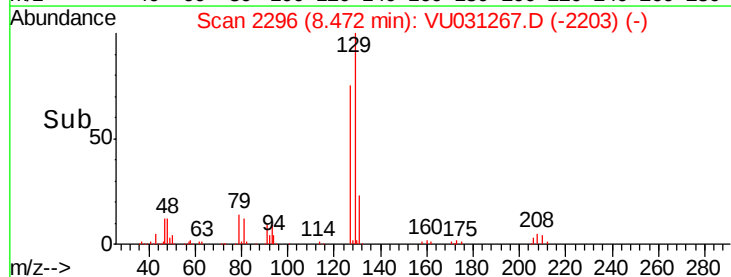
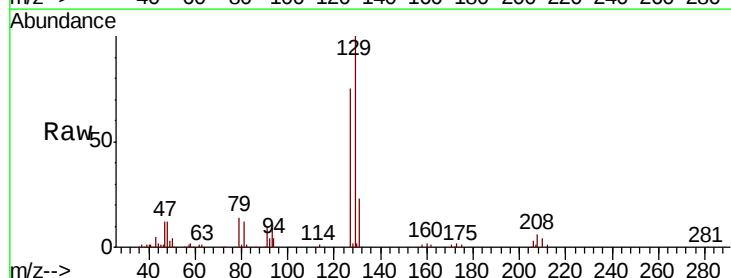
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

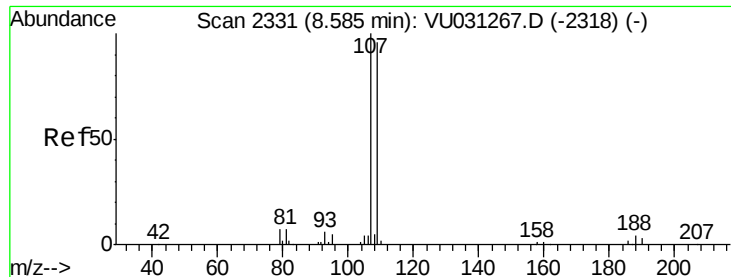
Tgt Ion: 43 Resp: 587964
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 19.6 15.7 23.5
100 11.6 9.3 13.9



#49
Dibromochloromethane
Concen: 4.911 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 129 Resp: 99763
Ion Ratio Lower Upper
129 100
127 74.7 52.3 97.1





#50

1,2-Dibromoethane

Concen: 5.264 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

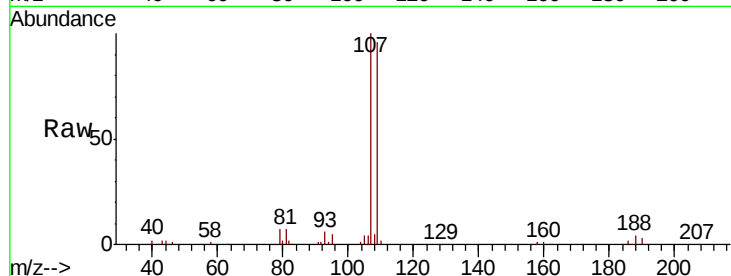
Tgt Ion:107 Resp: 84222

Ion Ratio Lower Upper

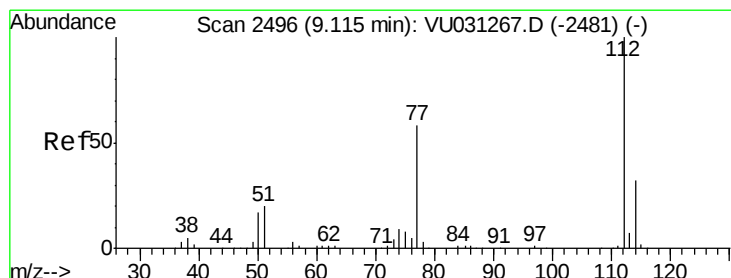
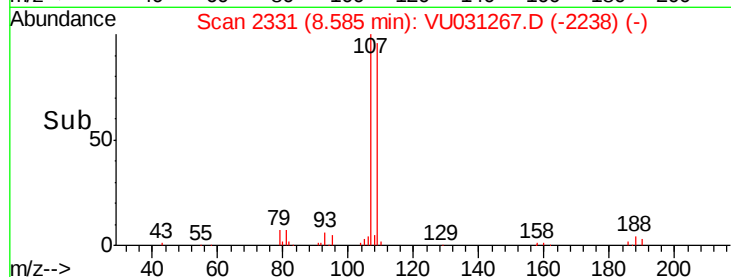
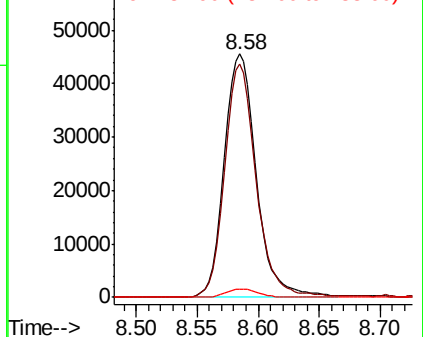
107 100

109 96.1 67.3 124.9

188 3.5 2.8 4.2



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: 4.847 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

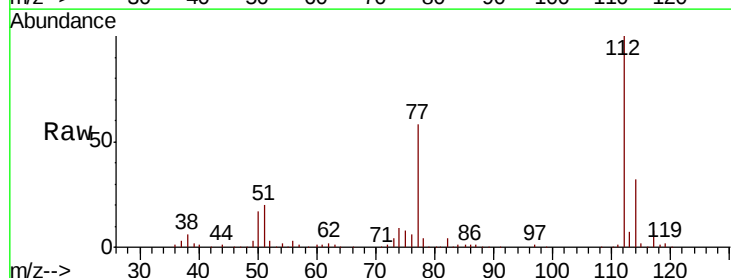
Tgt Ion:112 Resp: 311027

Ion Ratio Lower Upper

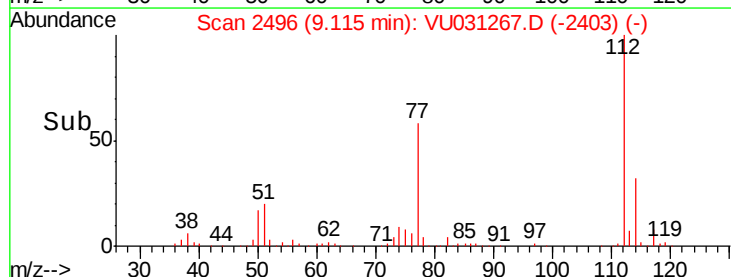
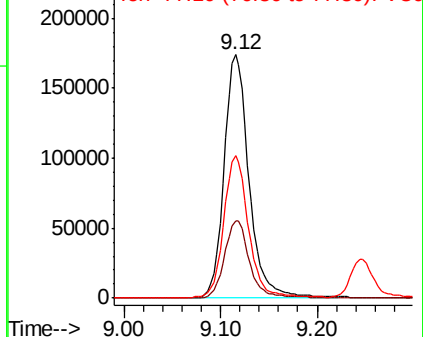
112 100

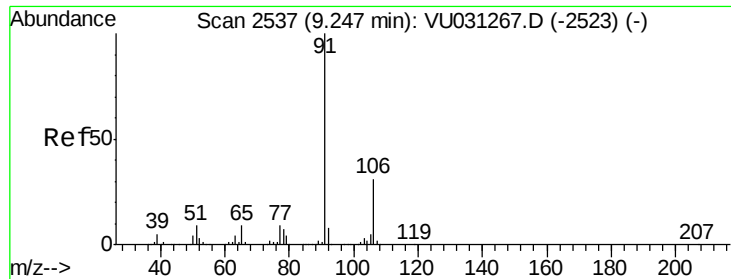
114 31.7 22.2 41.2

77 58.4 46.7 70.1



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

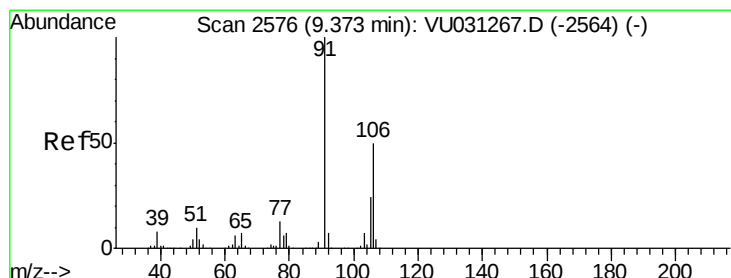
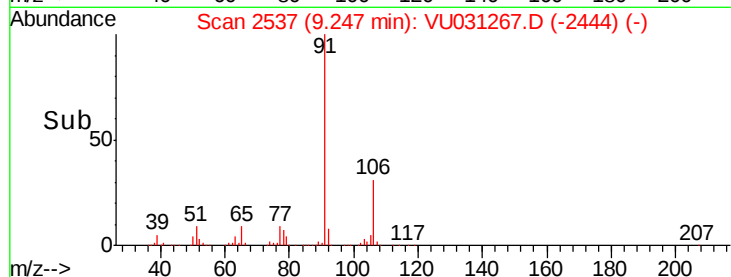
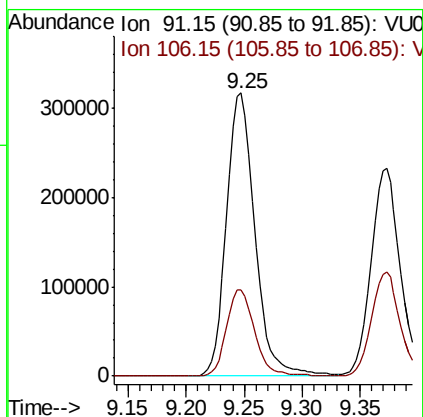
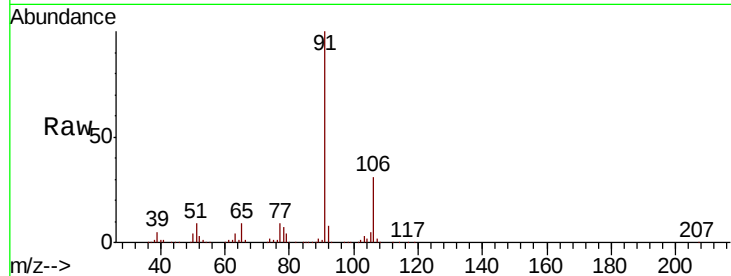




#52
Ethylbenzene
Concen: 4.881 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

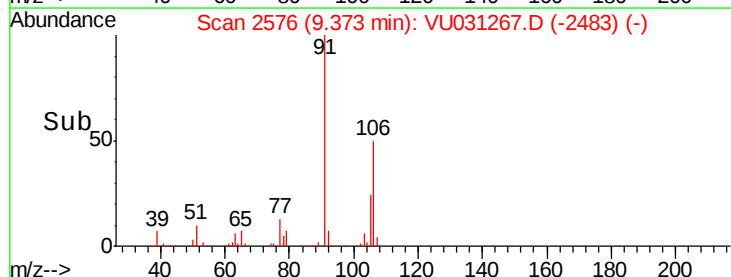
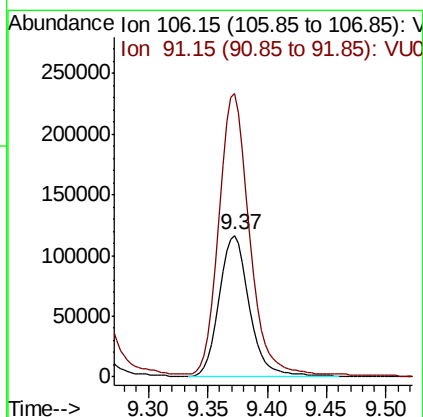
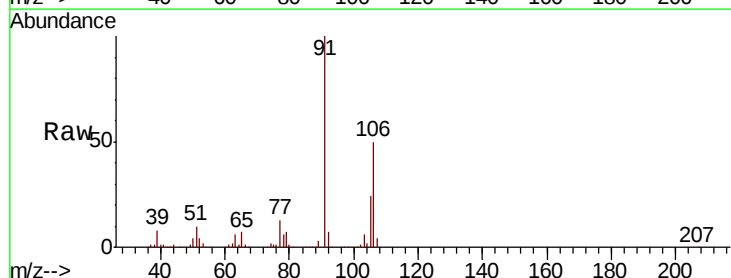
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

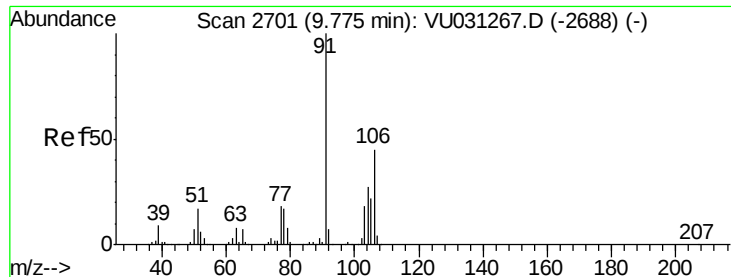
Tgt Ion: 91 Resp: 537604
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 5.208 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion: 106 Resp: 202605
Ion Ratio Lower Upper
106 100
91 199.7 139.8 259.6

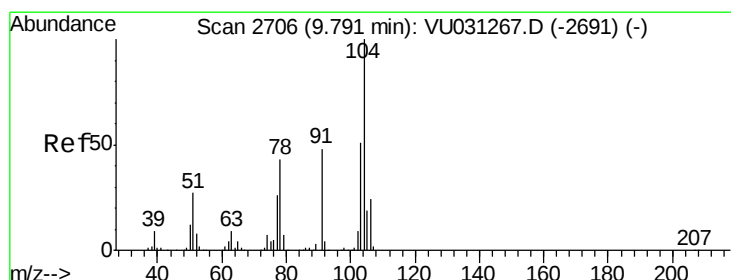
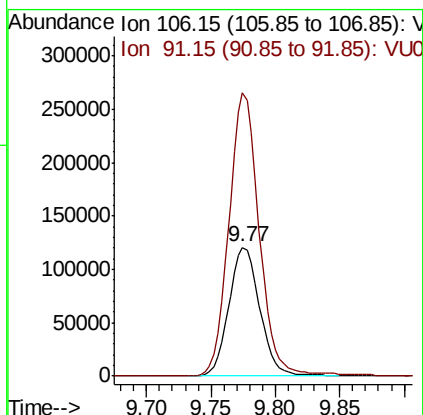
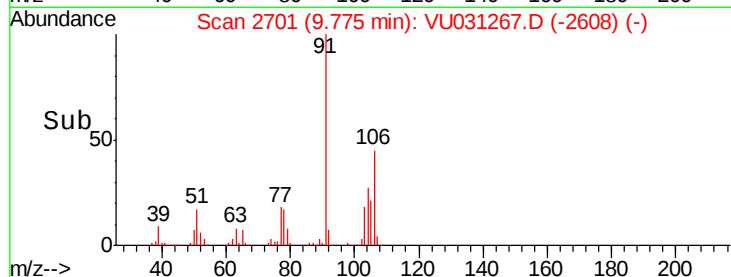
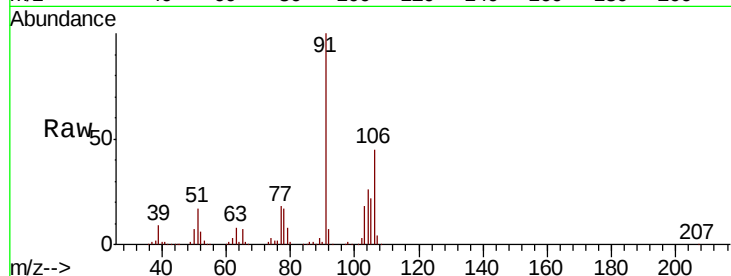




#54
o-Xylene
Concen: 5.275 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

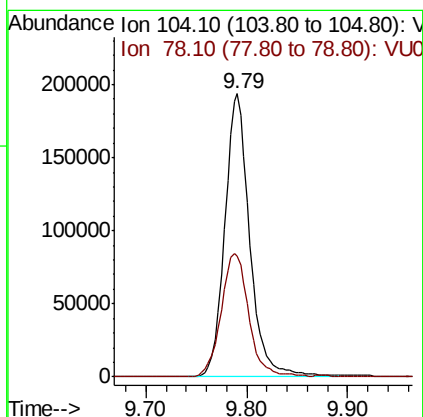
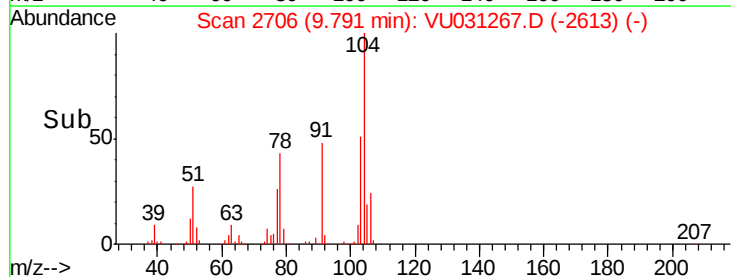
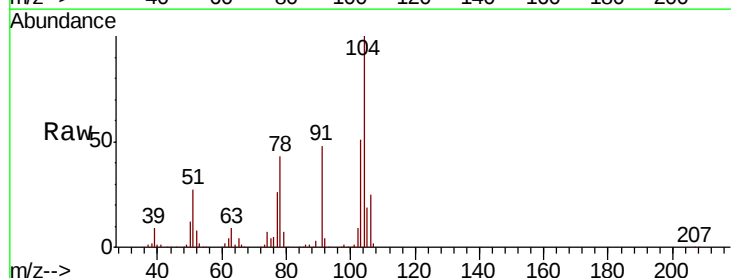
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

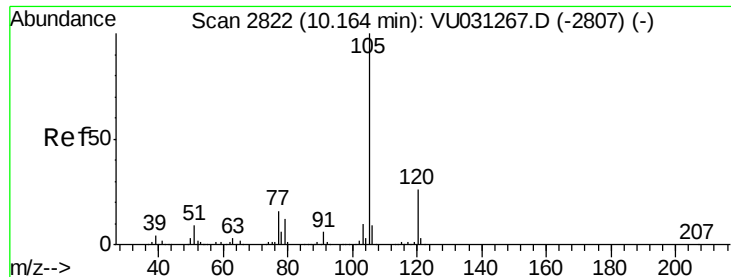
Tgt Ion:106 Resp: 201645
Ion Ratio Lower Upper
106 100
91 219.9 153.9 285.9



#55
Styrene
Concen: 5.235 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031267.D
Acq: 17 Apr 2019 19:26

Tgt Ion:104 Resp: 334764
Ion Ratio Lower Upper
104 100
78 42.9 30.0 55.8





#56

Isopropylbenzene

Concen: 5.165 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

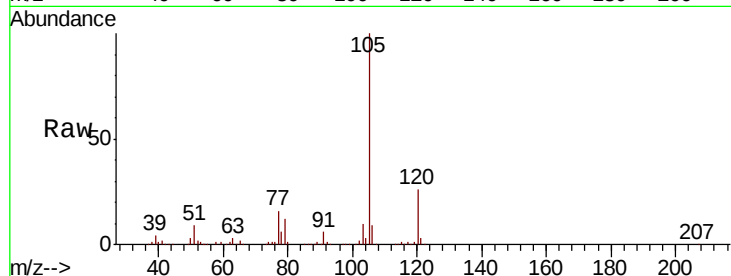
Tgt Ion: 105 Resp: 525315

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

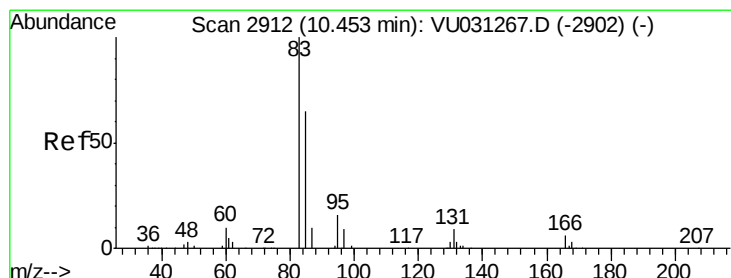
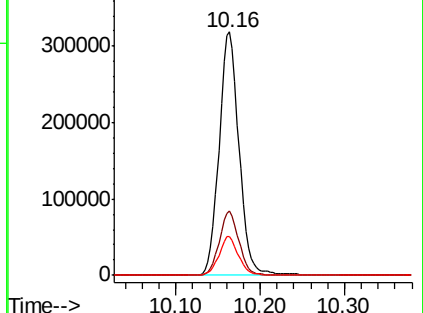
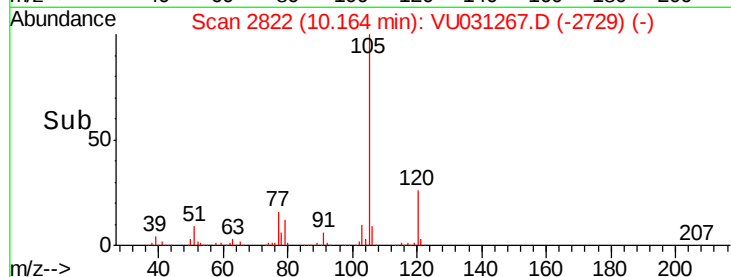
77 15.5 12.4 18.6



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: 4.812 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

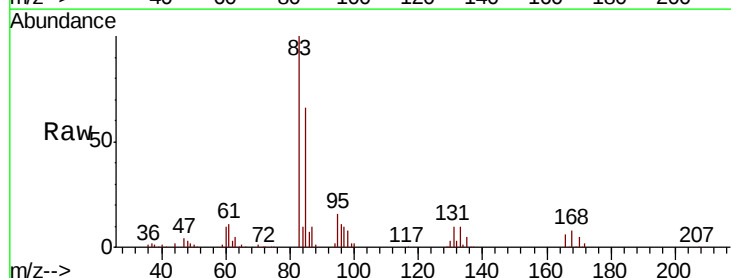
Tgt Ion: 83 Resp: 108009

Ion Ratio Lower Upper

83 100

85 66.4 46.5 86.3

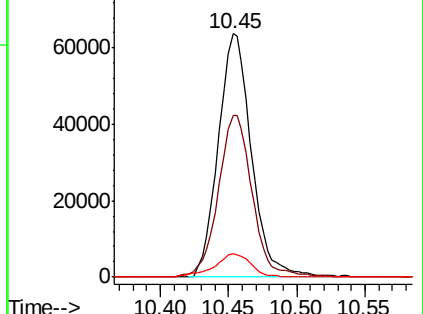
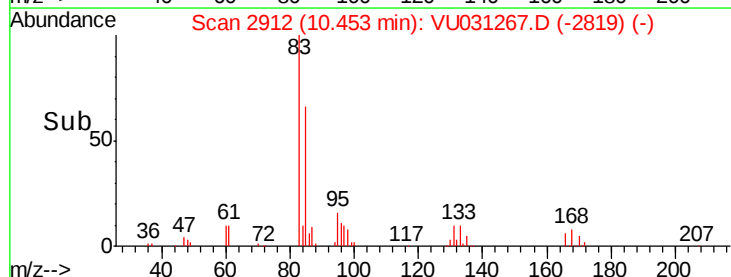
131 9.7 7.8 11.6

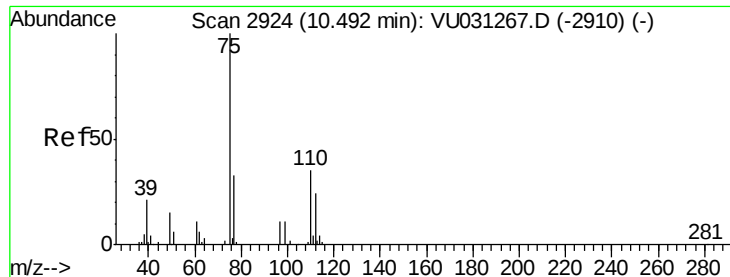


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.855 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

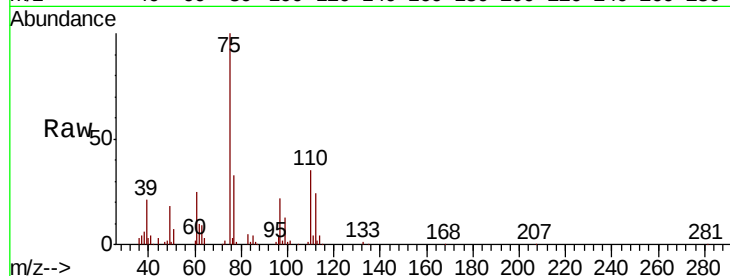
VSTD00504

Tgt Ion: 75 Resp: 77044

Ion Ratio Lower Upper

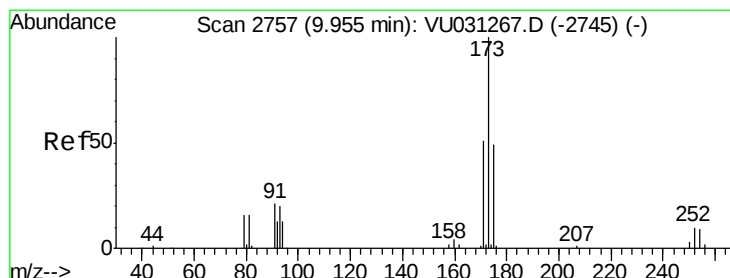
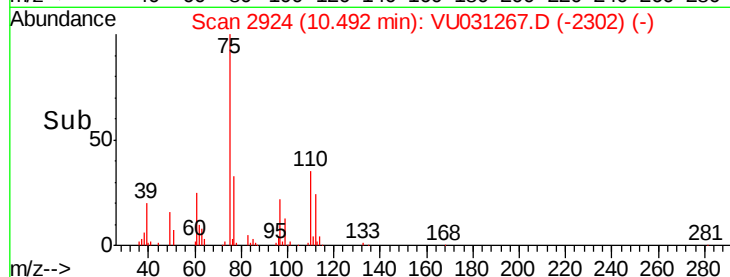
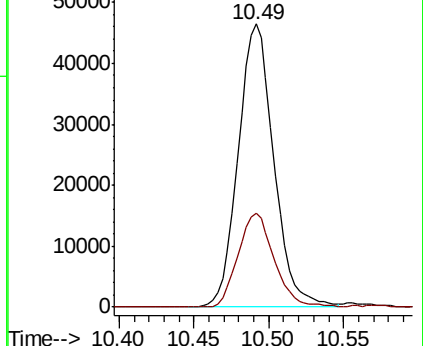
75 100

77 33.6 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU031267.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031267.D (-2910) (-)



#61

Bromoform

Concen: 5.179 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

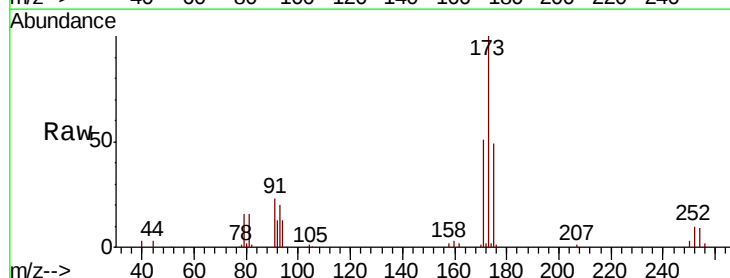
Tgt Ion: 173 Resp: 58355

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

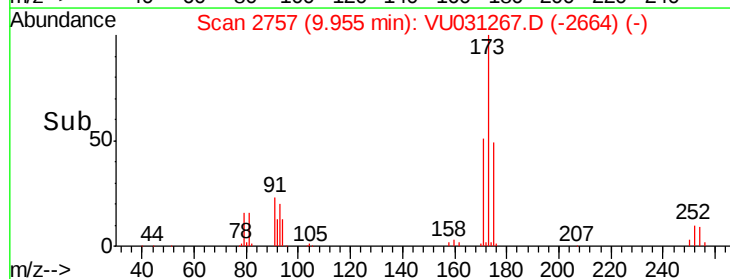
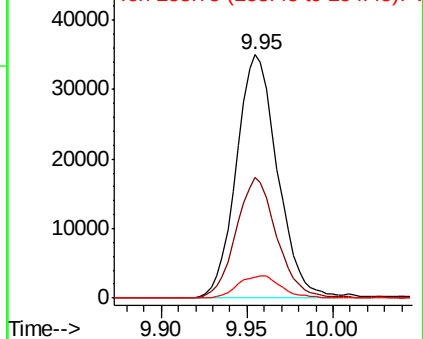
254 9.6 7.7 11.5

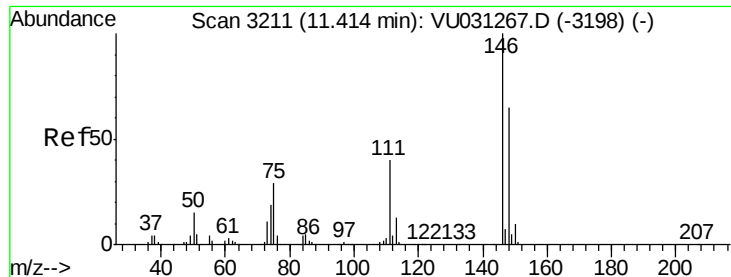


Abundance Ion 172.90 (172.60 to 173.60): VU031267.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU031267.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU031267.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 5.012 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

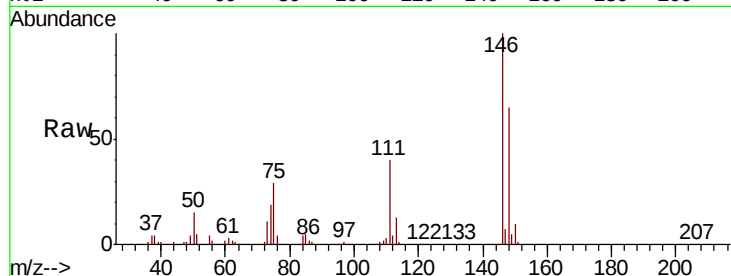
Tgt Ion:146 Resp: 235802

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

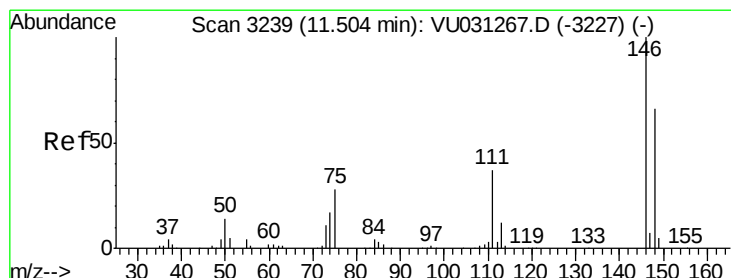
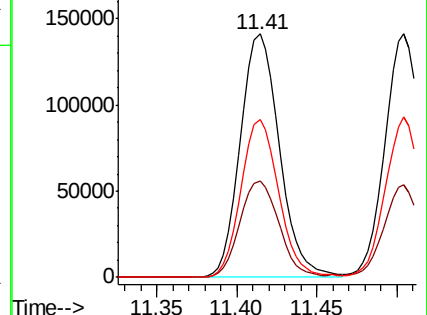
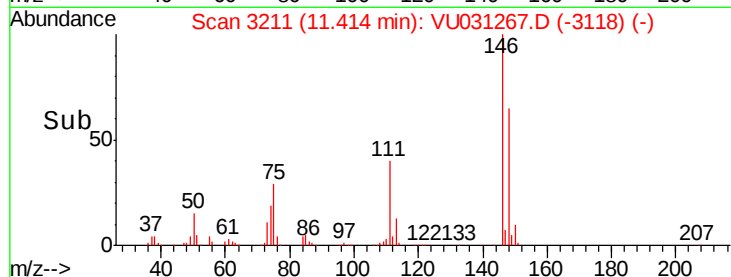
148 65.1 45.6 84.6



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: 4.792 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

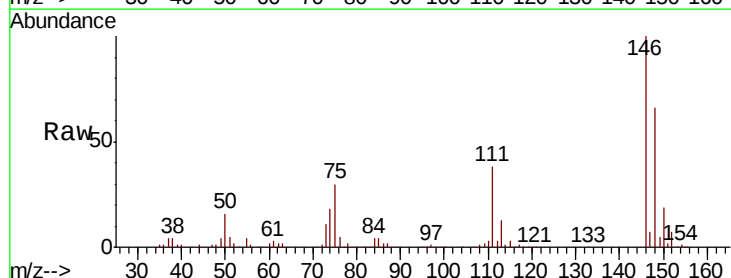
Tgt Ion:146 Resp: 235012

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

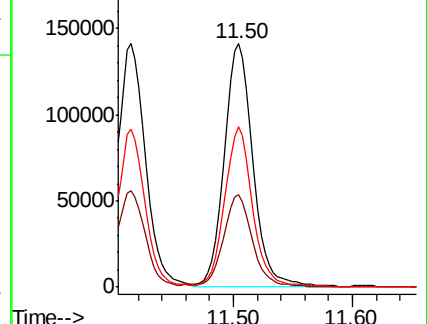
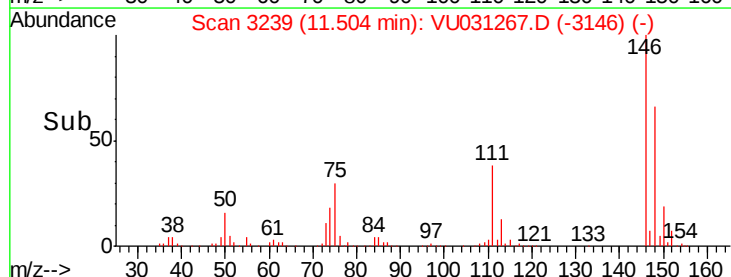
148 65.7 46.0 85.4

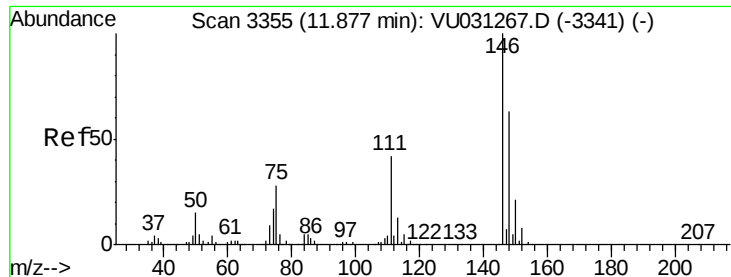


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.980 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

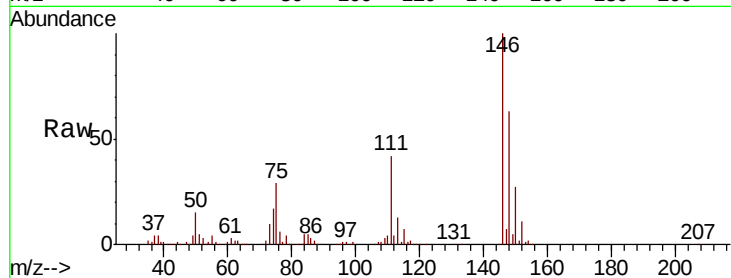
Tgt Ion:146 Resp: 228160

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

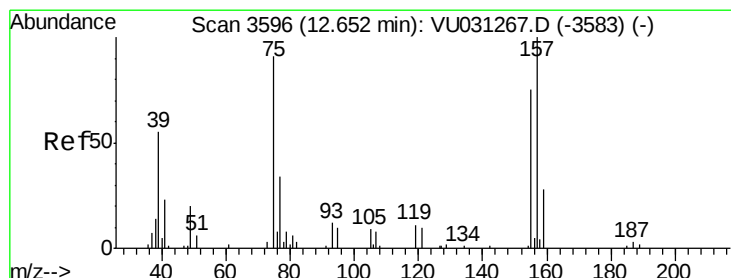
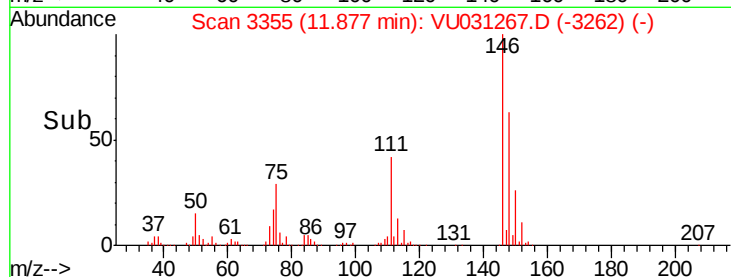
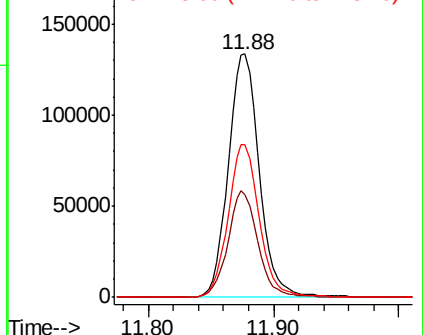
148 62.7 50.2 75.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.941 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

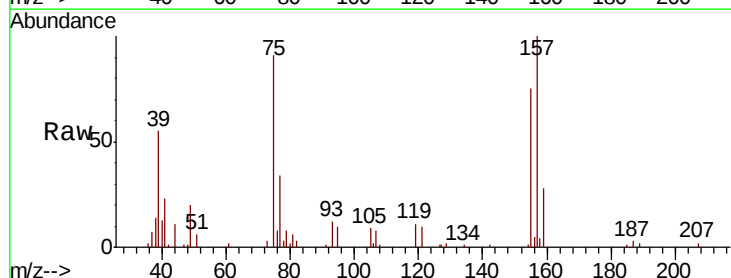
Tgt Ion: 75 Resp: 17350

Ion Ratio Lower Upper

75 100

155 82.5 66.0 99.0

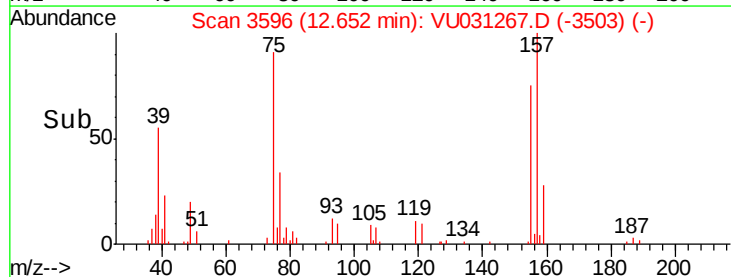
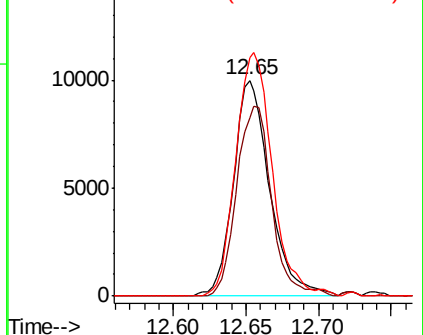
157 110.3 88.2 132.4

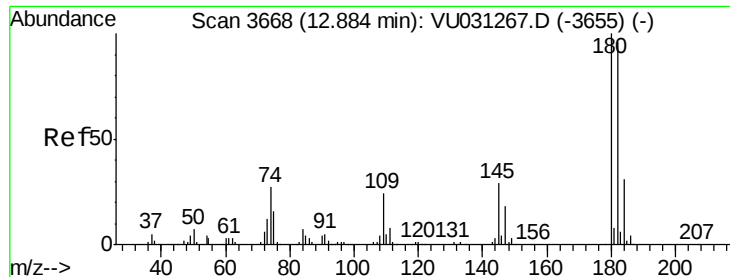


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

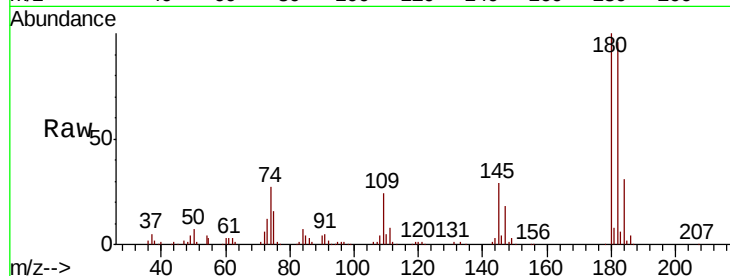




#67
 1,3,5-Trichlorobenzene
 Concen: 5.172 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:	180	Resp:	181820
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	31.0	24.8	37.2
145	28.8	23.0	34.6



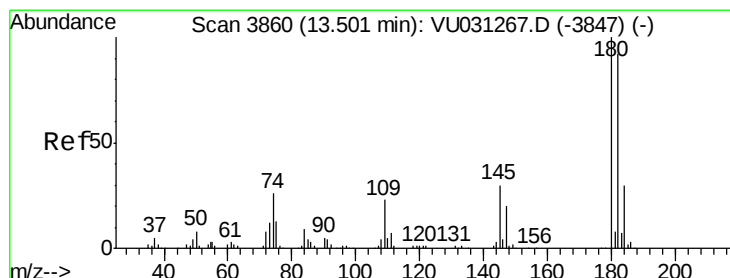
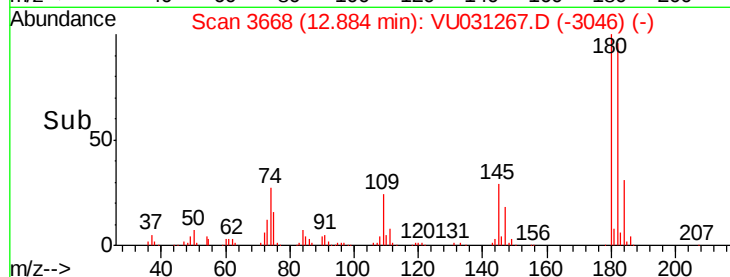
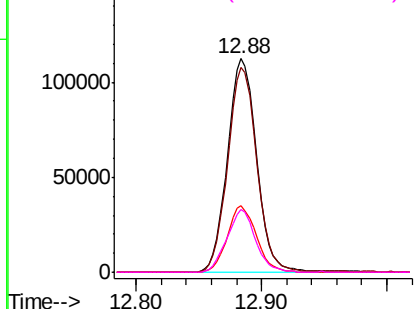
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

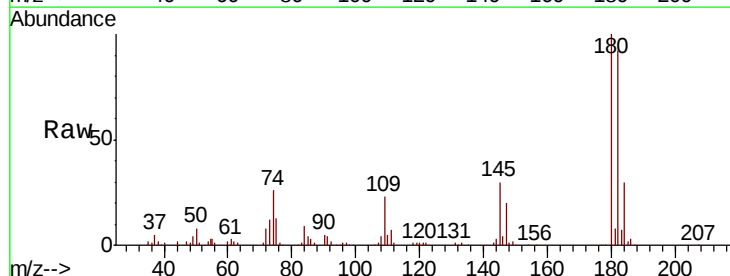
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.584 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031267.D
 Acq: 17 Apr 2019 19:26

Tgt Ion:	180	Resp:	153503
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	28.3	22.6	34.0

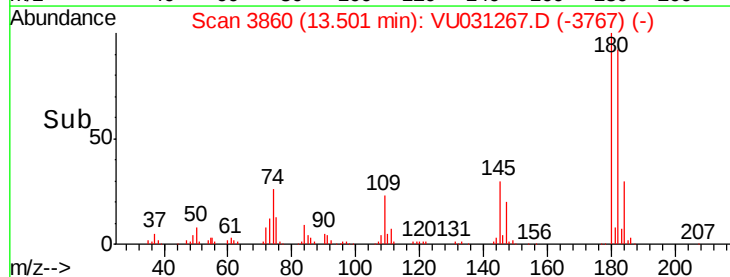
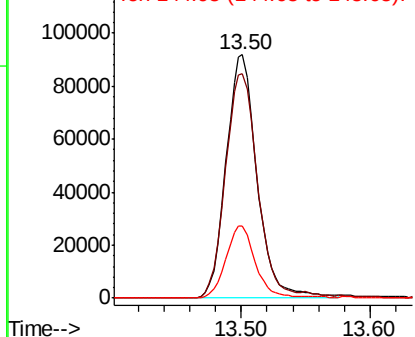


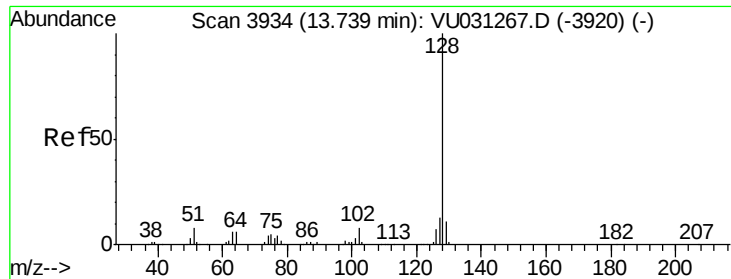
Abundance

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: 6.982 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

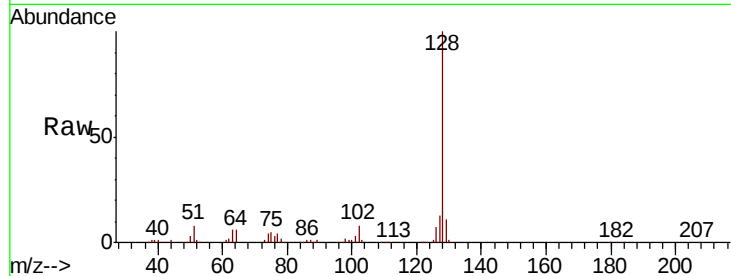
Tgt Ion:128 Resp: 332560

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

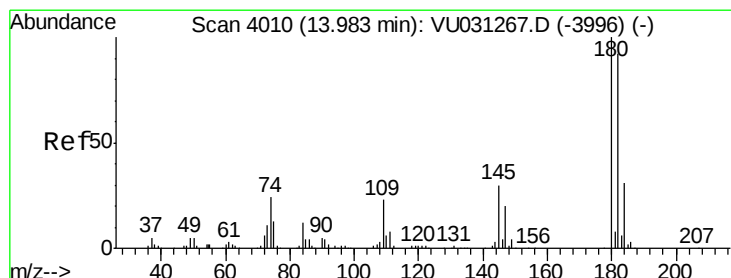
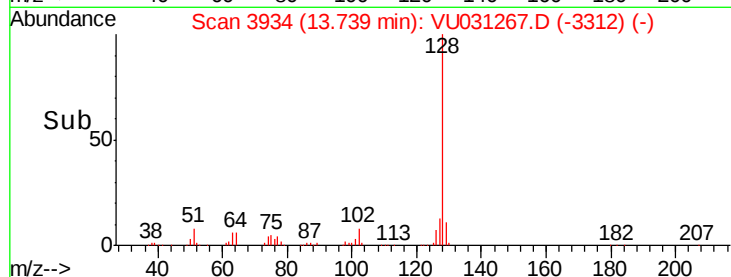
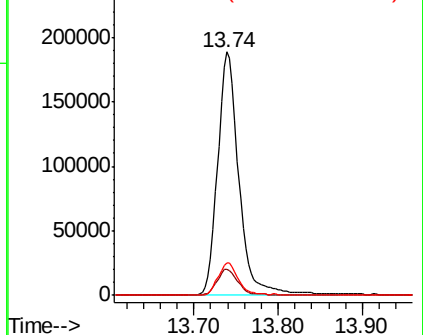
127 12.7 10.2 15.2



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: 5.824 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031267.D

Acq: 17 Apr 2019 19:26

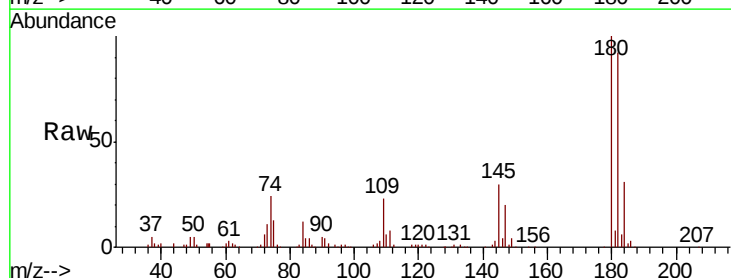
Tgt Ion:180 Resp: 150994

Ion Ratio Lower Upper

180 100

182 93.0 74.4 111.6

145 30.5 24.4 36.6



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

