

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031269.D
 Acq On : 17 Apr 2019 20:15
 Operator : JC/SP
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Apr 18 08:02:27 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	309497	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	143554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	533413	22.49	ug/L	0.00
7) Chloroethane-d5	1.68	69	476604	24.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	1125136	23.08	ug/L	0.00
20) 2-Butanone-d5	4.21	46	1316663	219.97	ug/L	0.00
24) Chloroform-d	4.64	84	780878	19.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	391865	18.88	ug/L	0.00
32) Benzene-d6	5.33	84	1631007	21.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	514526	20.53	ug/L	0.00
41) Toluene-d8	7.56	98	1473064	21.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	217325	22.90	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	1105522	264.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	414056	22.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	544779	22.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	565834	17.397 ug/L	100
3) Chloromethane	1.32	50	642163	16.621 ug/L	98
5) Vinyl chloride	1.40	62	655752	18.397 ug/L	100
6) Bromomethane	1.63	94	418908	22.935 ug/L	100
8) Chloroethane	1.70	64	429612	20.770 ug/L	98
9) Trichlorofluoromethane	1.88	101	910782	21.894 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	528739	22.724 ug/L	98
12) 1,1-Dichloroethene	2.28	96	516301	22.833 ug/L	96
13) Acetone	2.35	43	1000758	214.024 ug/L	100
14) Carbon disulfide	2.47	76	1764389	22.371 ug/L	100
15) Methyl Acetate	2.62	43	300707	25.070 ug/L	99
16) Methylene chloride	2.70	84	587519	22.198 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	1454624	23.962 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	562946	23.312 ug/L	99
19) 1,1-Dichloroethane	3.44	63	817368	17.129 ug/L	99
21) 2-Butanone	4.29	43	1385810	195.503 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	482677	19.556 ug/L	97
23) Bromochloromethane	4.54	128	213286	21.538 ug/L	93
25) Chloroform	4.67	83	787294	17.898 ug/L	99
27) 1,2-Dichloroethane	5.40	62	492942	17.292 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	668531	18.879 ug/L	98
30) Cyclohexane	4.99	56	803123	18.758 ug/L	99
31) Carbon tetrachloride	5.13	117	593706	19.863 ug/L	100
33) Benzene	5.38	78	1796140	19.014 ug/L	100
34) Trichloroethene	6.18	95	469853	19.679 ug/L	95
35) Methylcyclohexane	6.41	83	746410	19.851 ug/L	98
37) 1,2-Dichloropropane	6.43	63	465661	18.019 ug/L	98
38) Bromodichloromethane	6.75	83	568099	18.781 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	713689	20.697 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	3200646	198.067 ug/L	100

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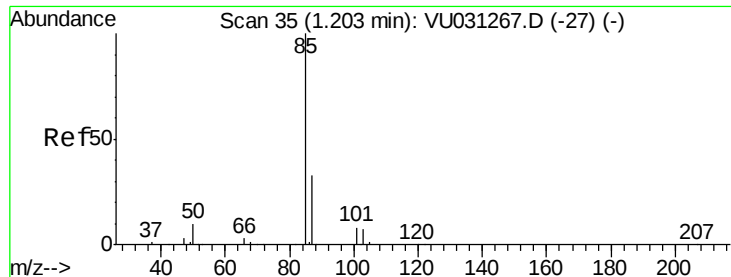
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	1911566	20.011	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	555372	20.585	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	325460	20.524	ug/L	96
47) Tetrachloroethene	8.22	164	366626	21.476	ug/L	99
48) 2-Hexanone	8.37	43	2250711	201.632	ug/L	98
49) Dibromochloromethane	8.47	129	389384	20.767	ug/L	98
50) 1,2-Dibromoethane	8.58	107	321263	21.758	ug/L	98
51) Chlorobenzene	9.12	112	1158826	19.569	ug/L	98
52) Ethylbenzene	9.24	91	2070020	20.363	ug/L	99
53) m,p-Xylene	9.37	106	779623	21.714	ug/L	100
54) o-Xylene	9.77	106	766666	21.729	ug/L	98
55) Styrene	9.79	104	1319287	22.352	ug/L	96
56) Isopropylbenzene	10.16	105	2027193	21.594	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	416021	20.080	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	286064	19.533	ug/L	98
61) Bromoform	9.95	173	234810	21.681	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	906212	20.040	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	910673	19.318	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	867003	19.686	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68199	20.205	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	737988	21.840	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	632676	23.945	ug/L	98
69) Naphthalene	13.74	128	1257225	27.461	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	597405	23.973	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.397 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

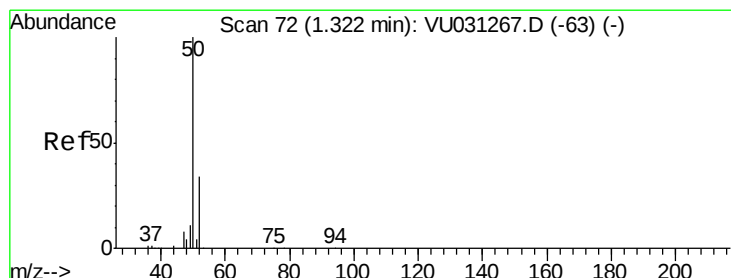
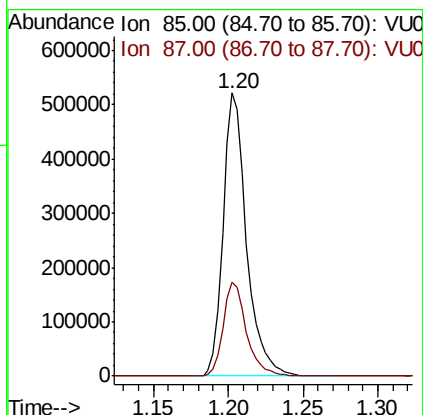
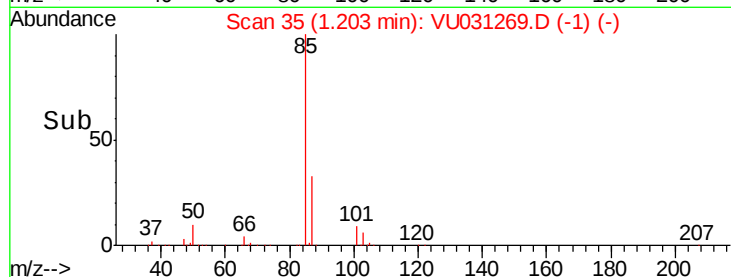
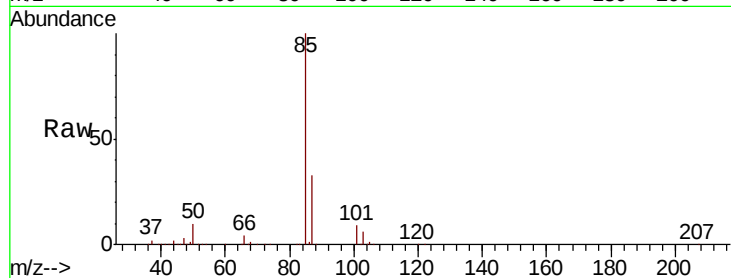
VSTD02006

Tgt Ion: 85 Resp: 565834

Ion Ratio Lower Upper

85 100

87 32.9 26.4 39.6



#3

Chloromethane

Concen: 16.621 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031269.D

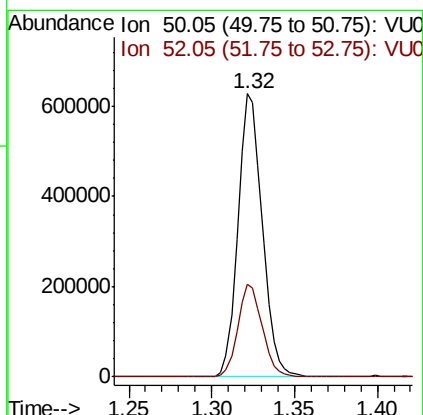
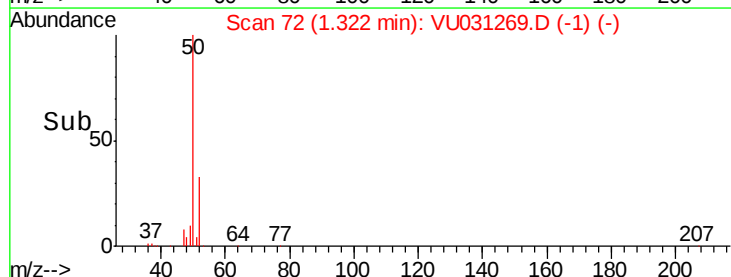
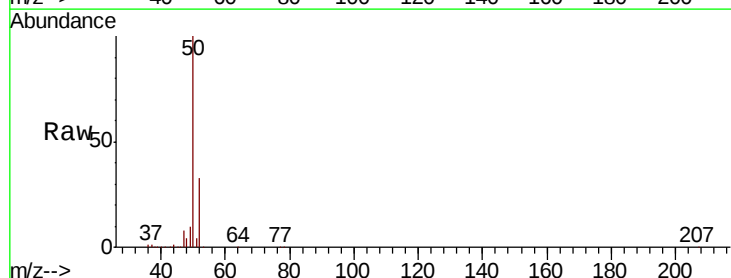
Acq: 17 Apr 2019 20:15

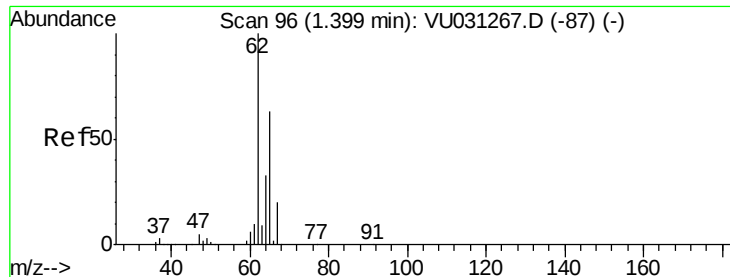
Tgt Ion: 50 Resp: 642163

Ion Ratio Lower Upper

50 100

52 32.6 23.5 43.7





#5

Vinyl chloride

Concen: 18.397 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

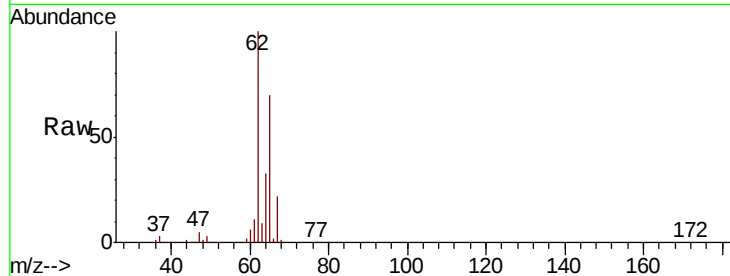
VSTD02006

Tgt Ion: 62 Resp: 655752

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU031269.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031269.D (-87) (-)

1.40

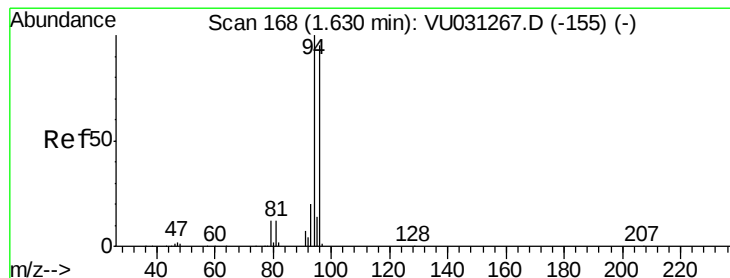
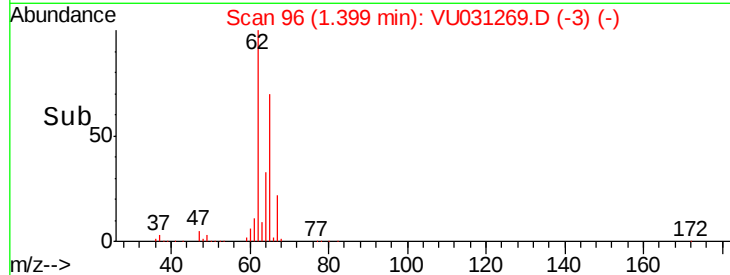
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 22.935 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031269.D

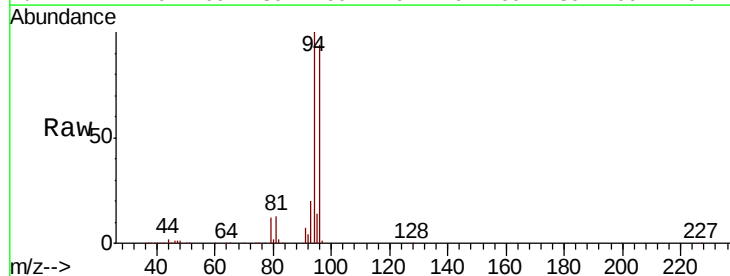
Acq: 17 Apr 2019 20:15

Tgt Ion: 94 Resp: 418908

Ion Ratio Lower Upper

94 100

96 94.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031269.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU031269.D (-155) (-)

1.63

400000

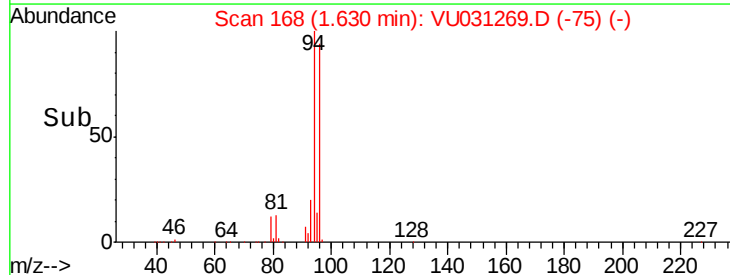
300000

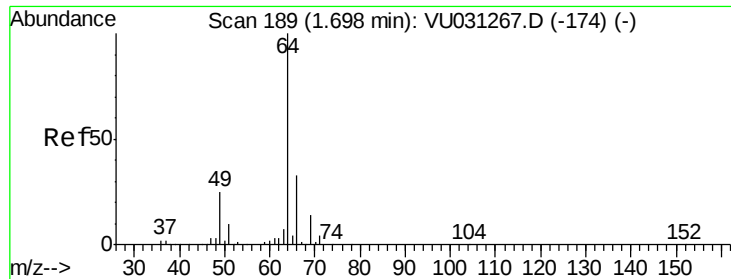
200000

100000

0

Time-->





#8

Chloroethane

Concen: 20.770 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

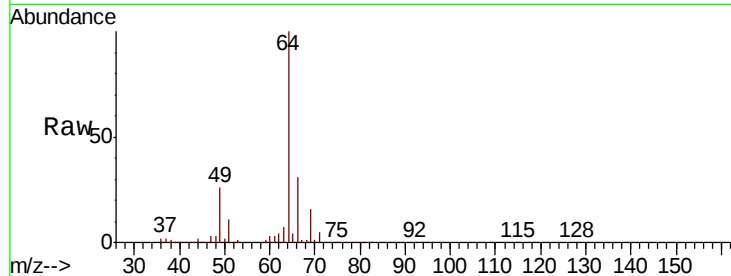
VSTD02006

Tgt Ion: 64 Resp: 429612

Ion Ratio Lower Upper

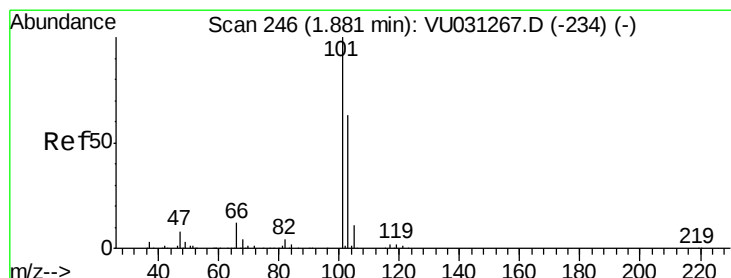
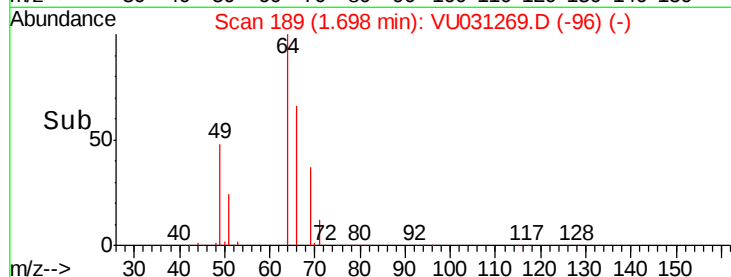
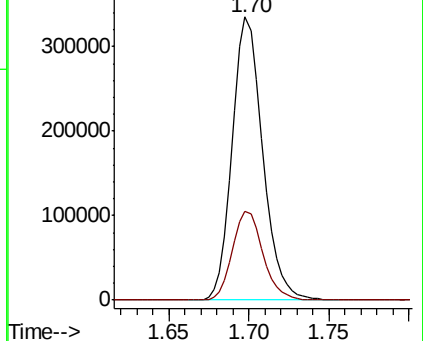
64 100

66 31.4 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VU031269.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU031269.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 21.894 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031269.D

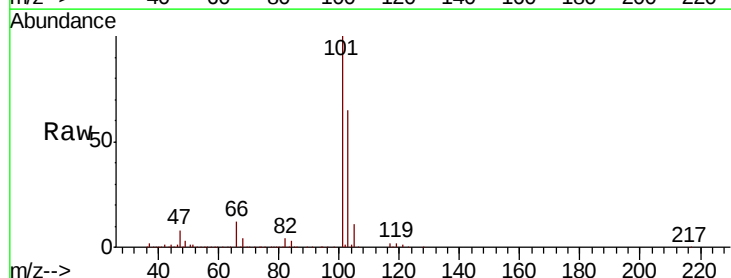
Acq: 17 Apr 2019 20:15

Tgt Ion: 101 Resp: 910782

Ion Ratio Lower Upper

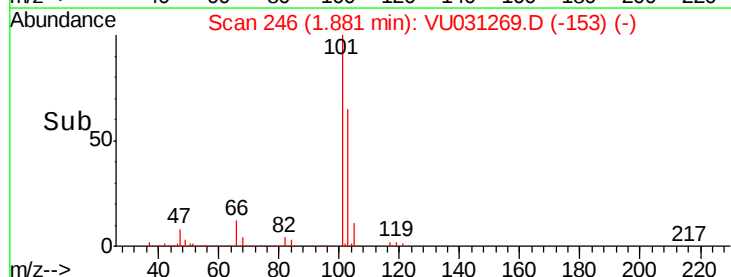
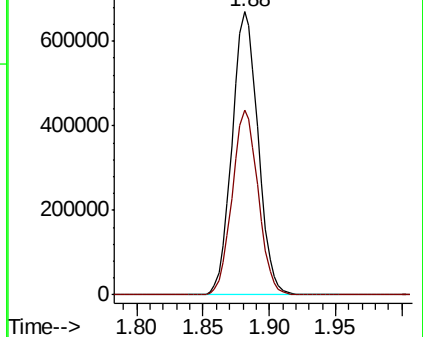
101 100

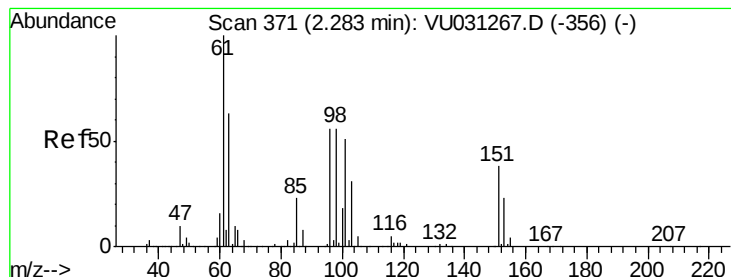
103 65.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU031269.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031269.D (-234) (-)





#10

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

Concen: 22.724 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

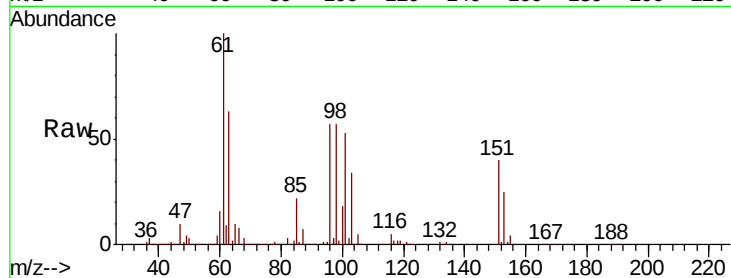
Tgt Ion:101 Resp: 528739

Ion Ratio Lower Upper

101 100

85 41.7 34.5 51.7

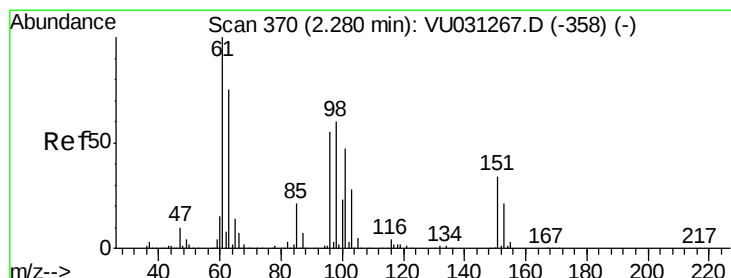
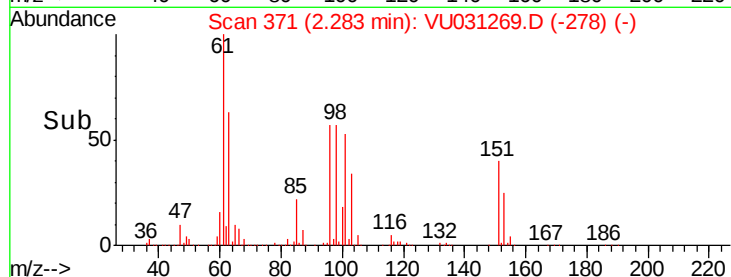
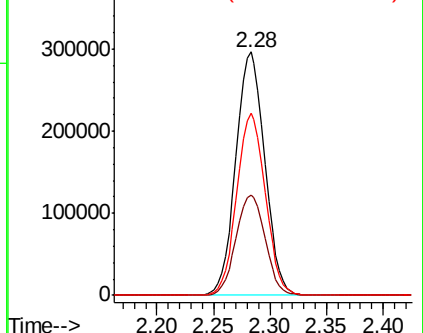
151 74.2 58.4 87.6



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: 22.833 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

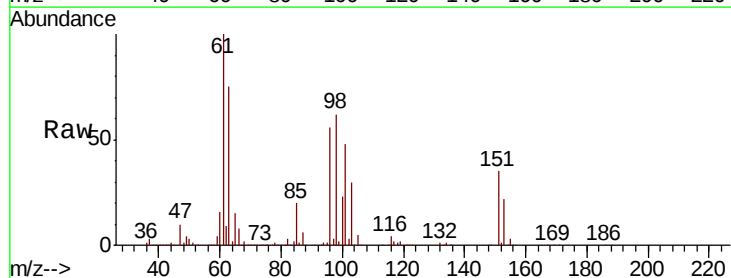
Tgt Ion: 96 Resp: 516301

Ion Ratio Lower Upper

96 100

61 179.3 128.5 238.7

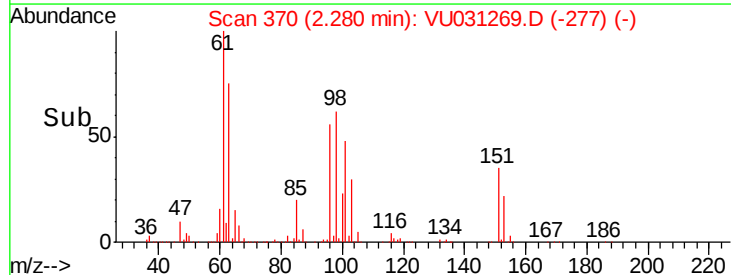
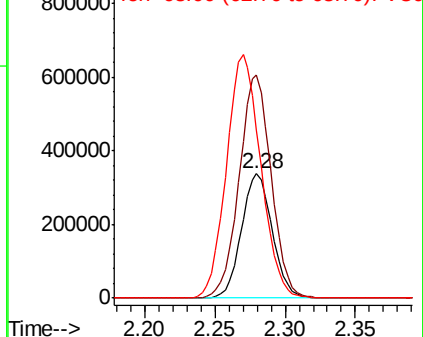
63 135.0 98.9 183.7

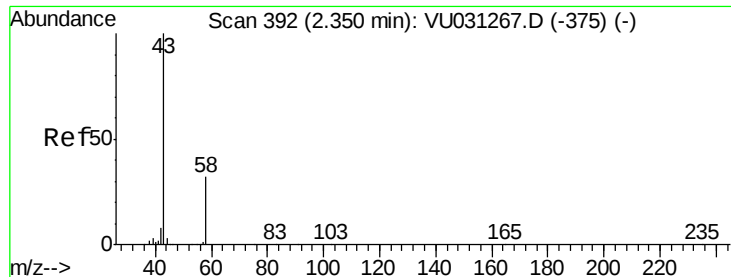


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 214.024 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

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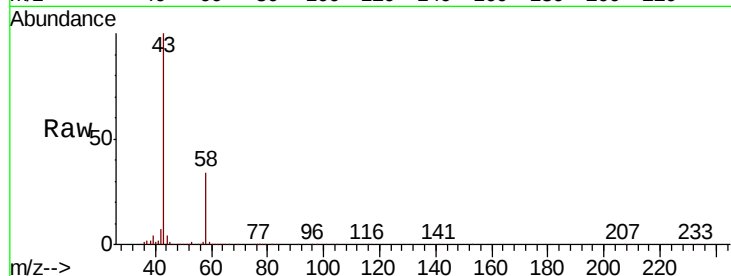
VSTD02006

Tgt Ion: 43 Resp: 1000758

Ion Ratio Lower Upper

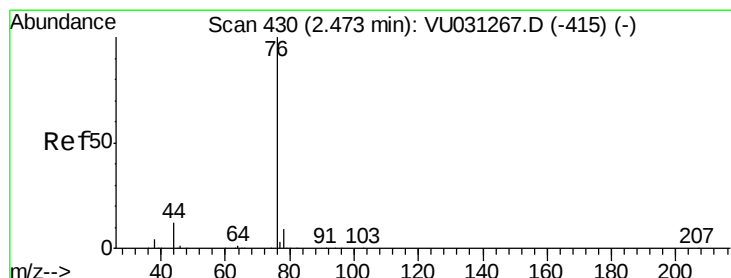
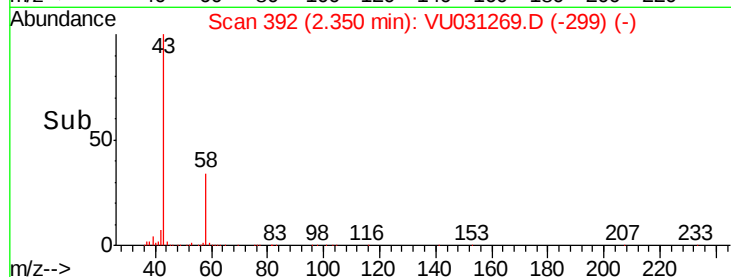
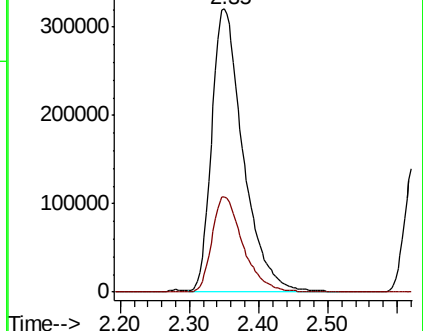
43 100

58 33.2 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: 22.371 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031269.D

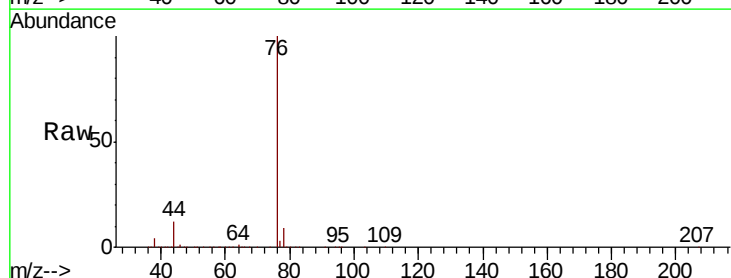
Acq: 17 Apr 2019 20:15

Tgt Ion: 76 Resp: 1764389

Ion Ratio Lower Upper

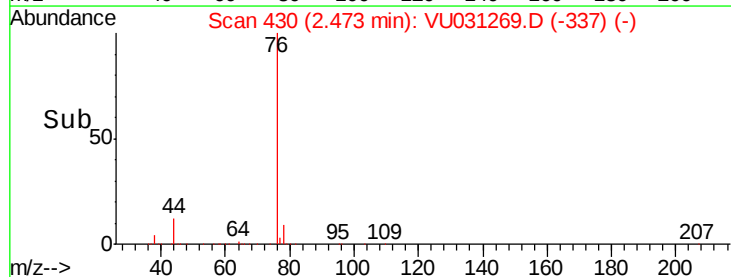
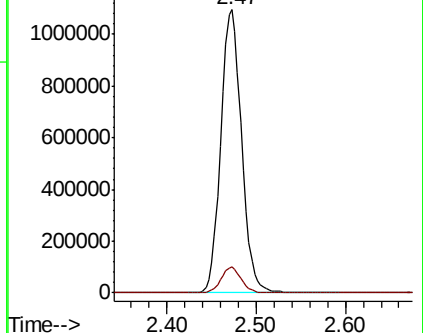
76 100

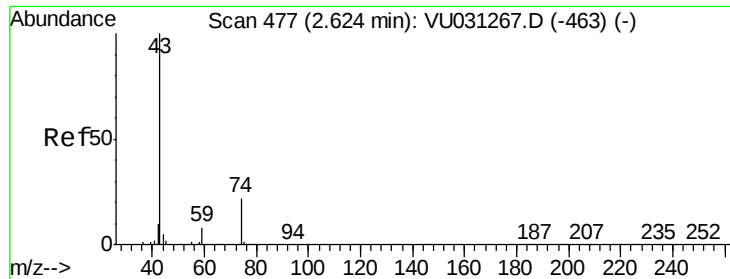
78 9.0 7.2 10.8



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

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

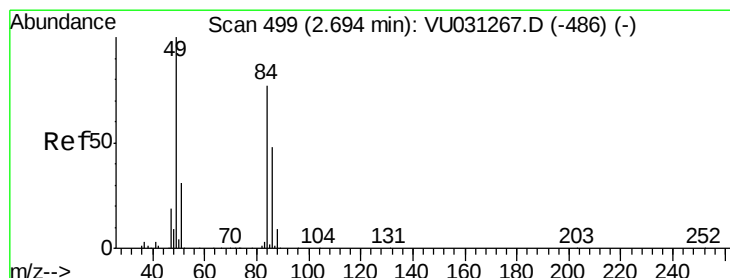
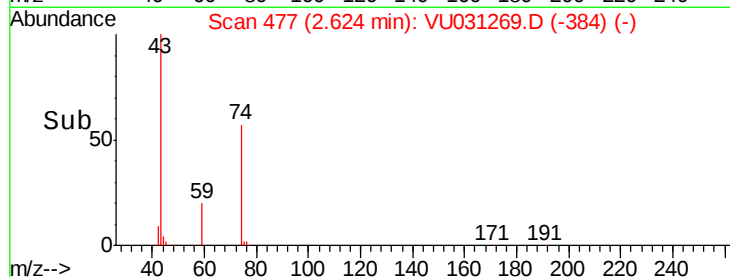
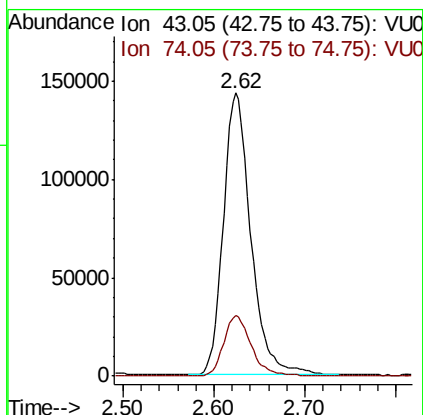
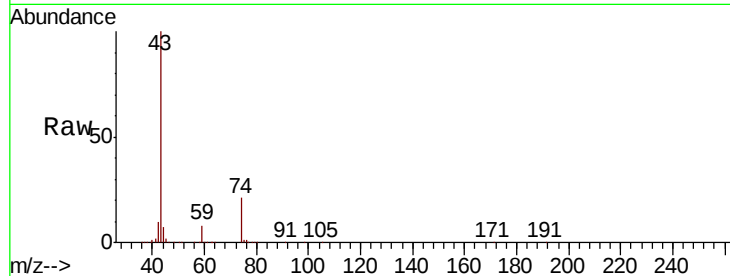




#15
Methyl Acetate
Concen: 25.070 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

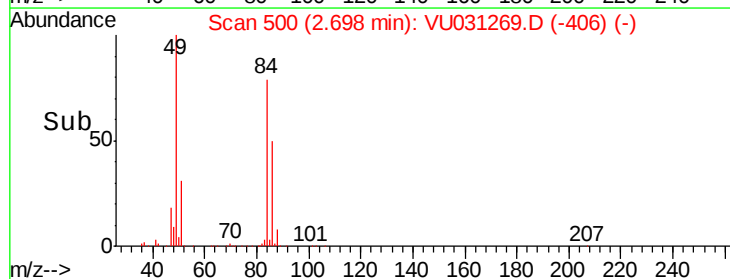
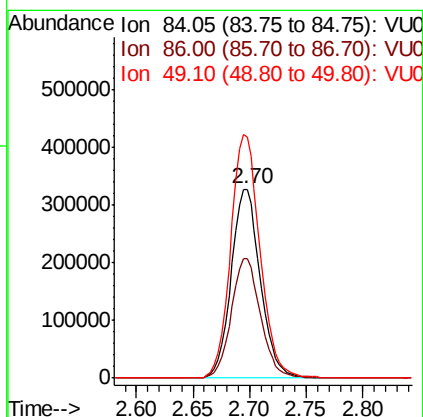
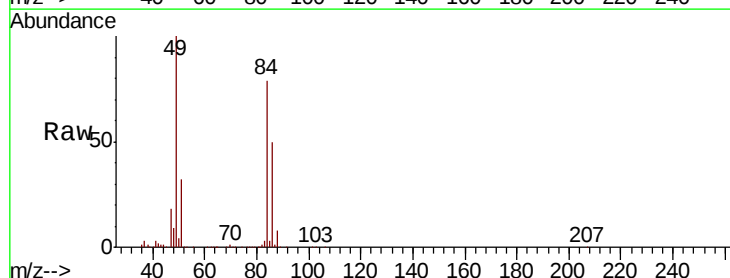
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

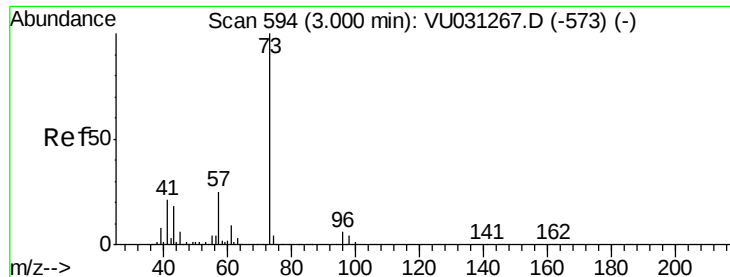
Tgt Ion: 43 Resp: 300707
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#16
Methylene chloride
Concen: 22.198 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Tgt Ion: 84 Resp: 587519
Ion Ratio Lower Upper
84 100
86 63.1 44.0 81.6
49 127.4 90.9 168.9



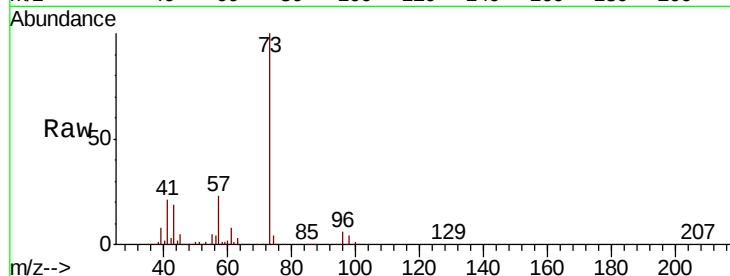


#17

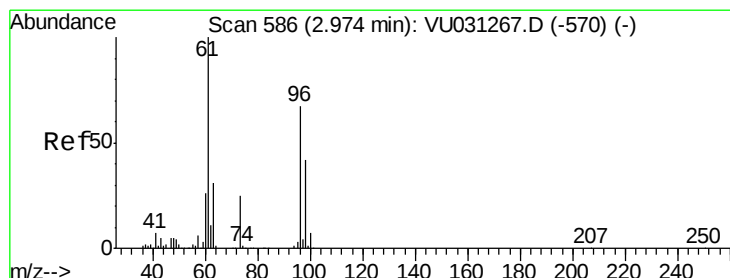
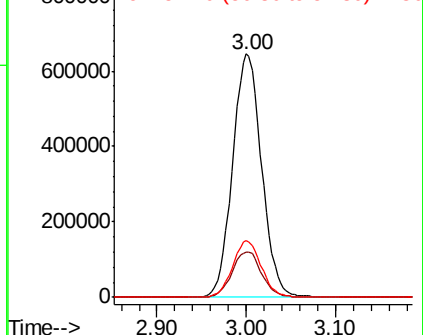
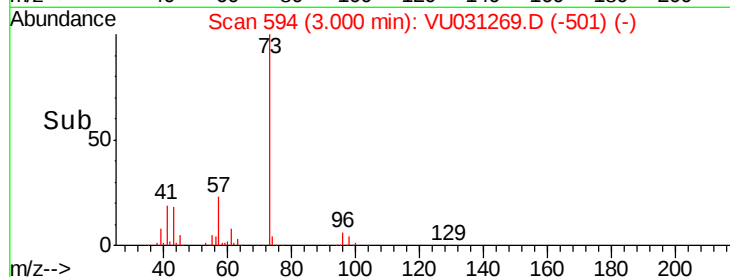
Methyl tert-butyl Ether
 Concen: 23.962 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 73 Resp: 1454624
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.2 22.8
 57 23.1 19.4 29.0



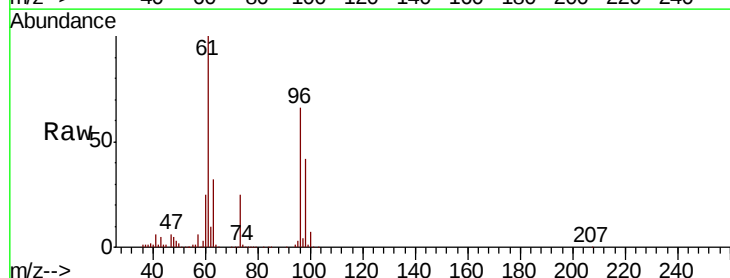
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



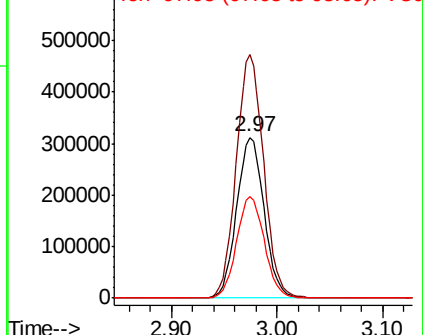
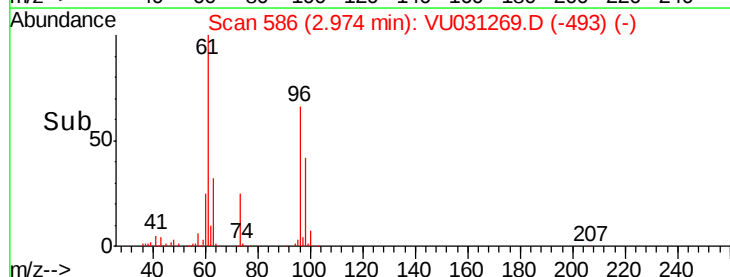
#18

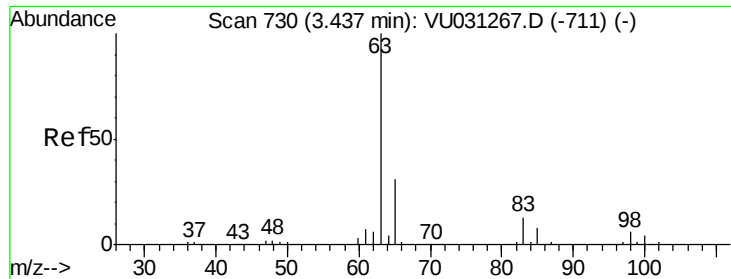
trans-1,2-Dichloroethene
 Concen: 23.312 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 96 Resp: 562946
 Ion Ratio Lower Upper
 96 100
 61 151.5 105.0 195.0
 98 63.2 43.9 81.5



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

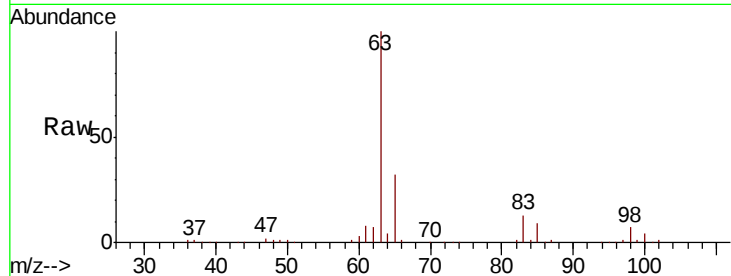




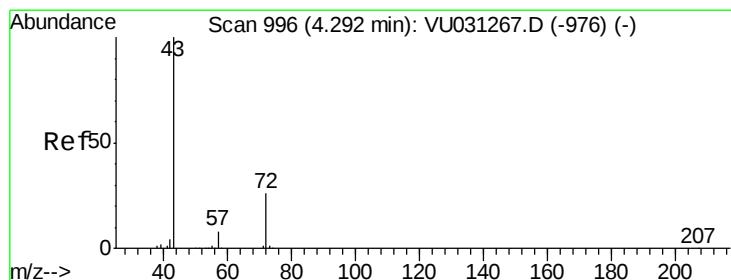
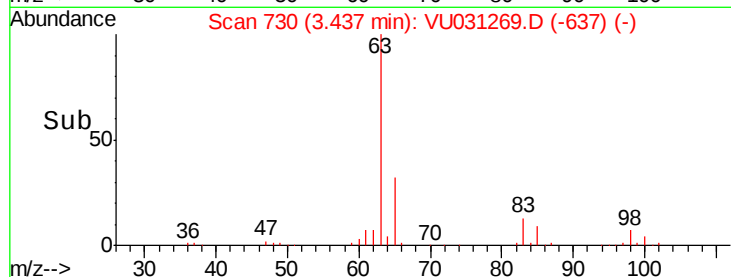
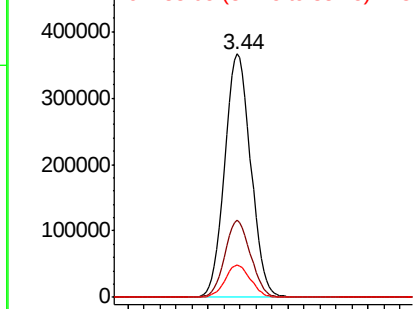
#19
 1,1-Dichloroethane
 Concen: 17.129 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 63 Resp: 817368
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 40.2
 83 13.2 9.2 17.2

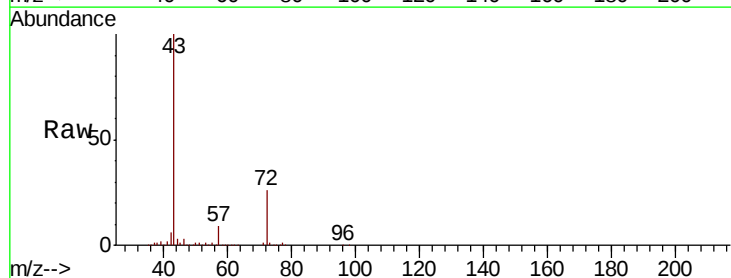


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

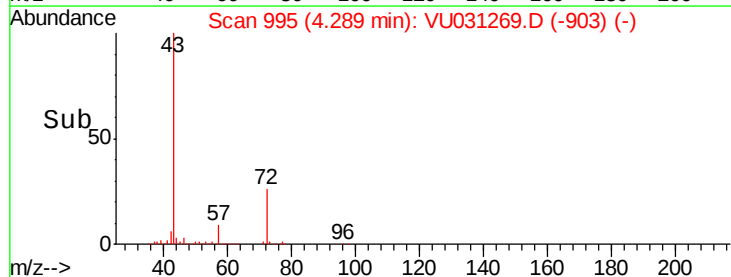
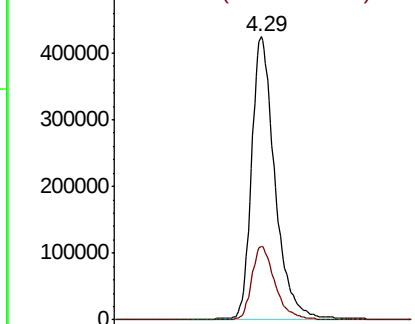


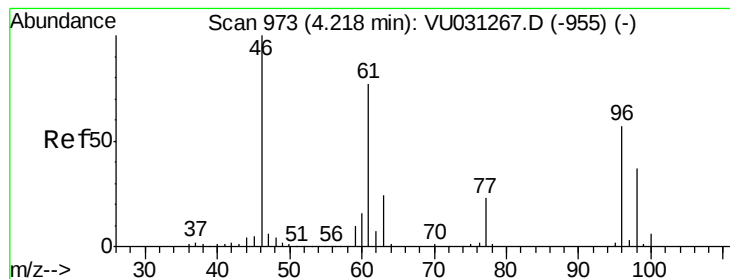
#21
 2-Butanone
 Concen: 195.503 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 43 Resp: 1385810
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.0 38.9



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



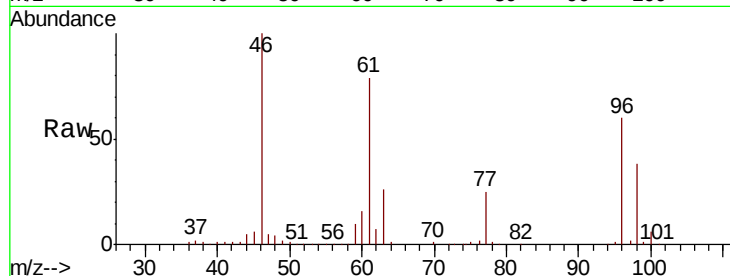


#22

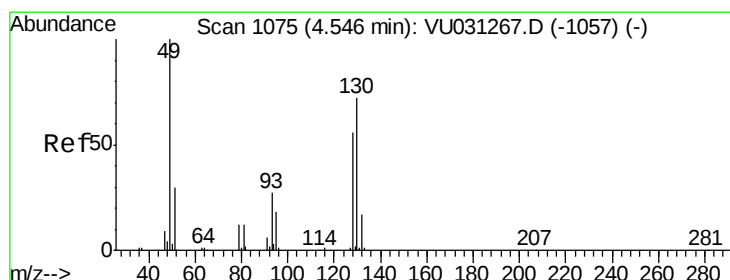
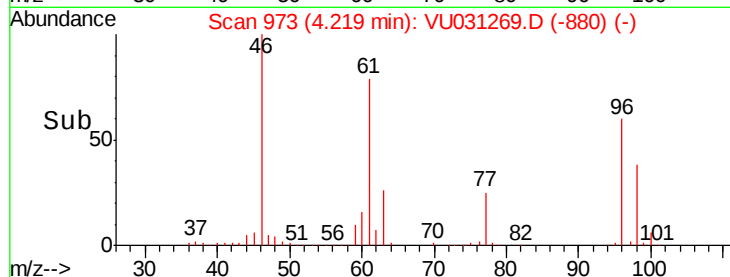
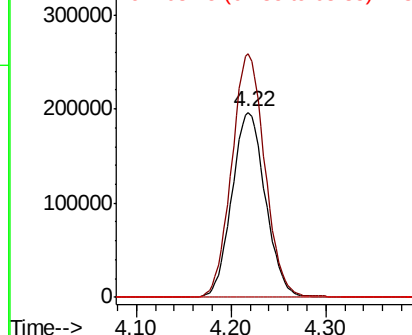
cis-1,2-Dichloroethene
 Concen: 19.556 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 96 Resp: 482677
 Ion Ratio Lower Upper
 96 100
 61 131.8 95.1 176.7
 68 0.0 0.0 0.0



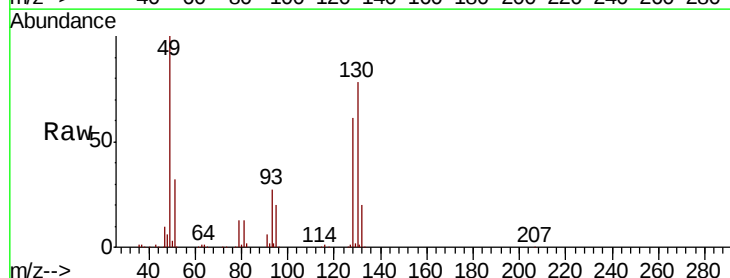
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



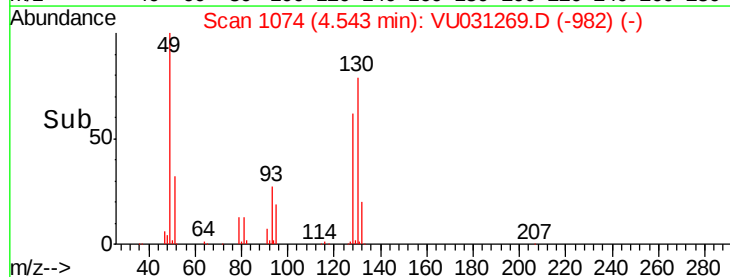
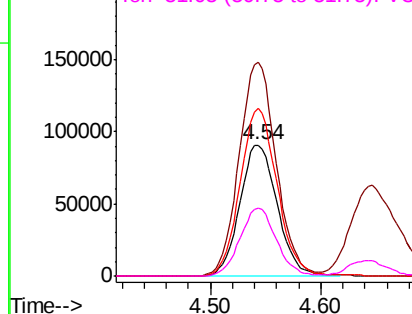
#23

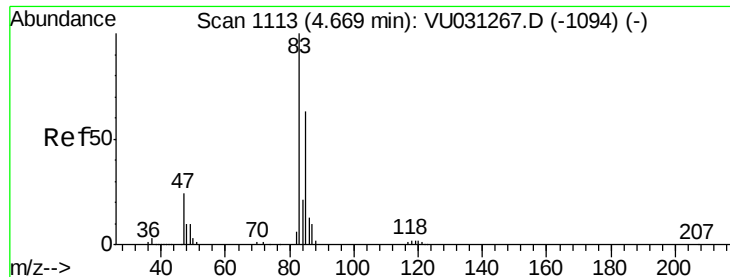
Bromochloromethane
 Concen: 21.538 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 128 Resp: 213286
 Ion Ratio Lower Upper
 128 100
 49 162.9 125.7 233.5
 130 127.5 91.0 169.0
 51 52.2 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

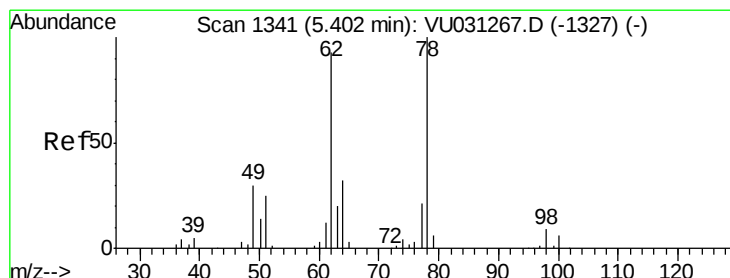
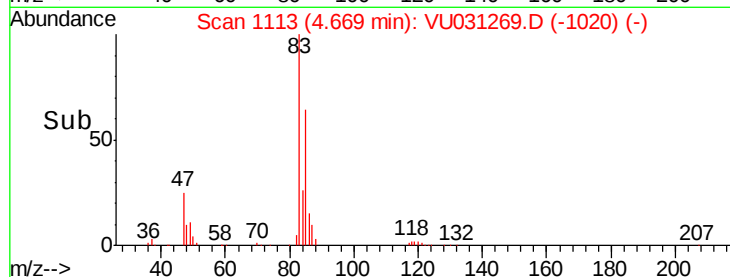
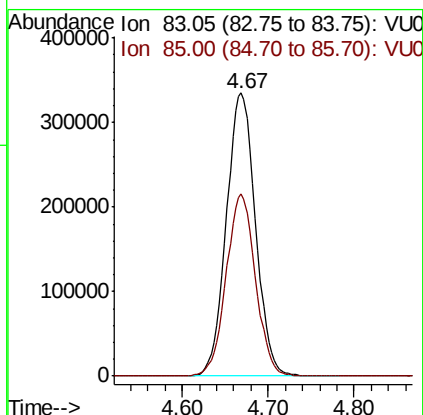
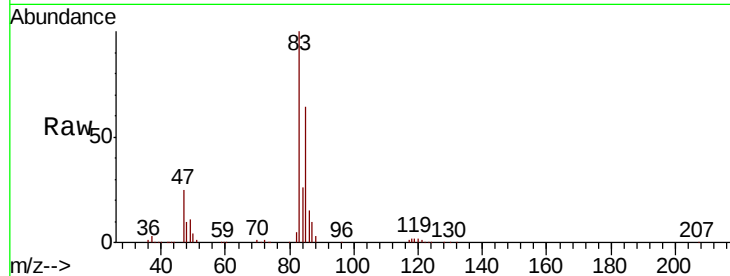




#25
Chloroform
Concen: 17.898 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

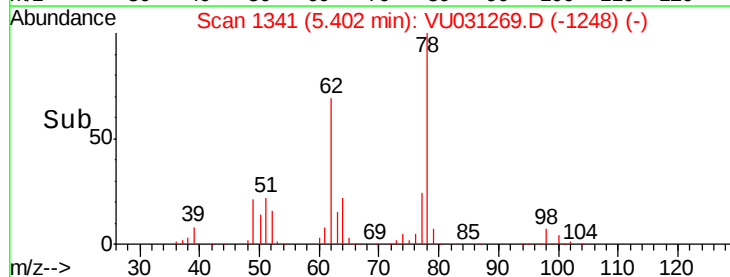
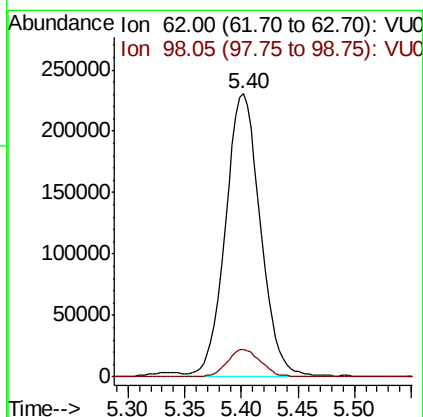
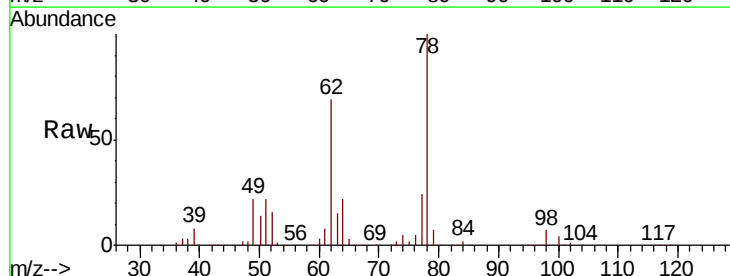
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

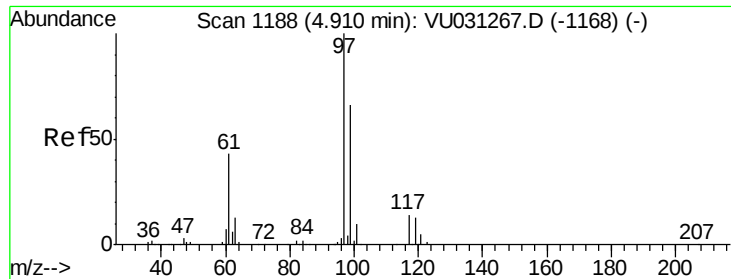
Tgt Ion: 83 Resp: 787294
Ion Ratio Lower Upper
83 100
85 64.4 44.4 82.5



#27
1,2-Dichloroethane
Concen: 17.292 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Tgt Ion: 62 Resp: 492942
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9

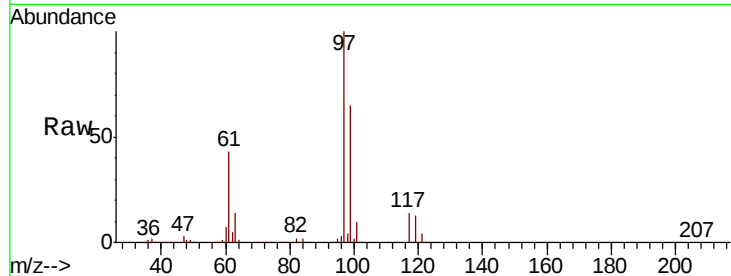




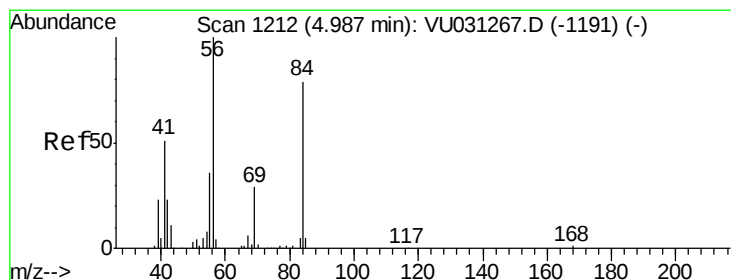
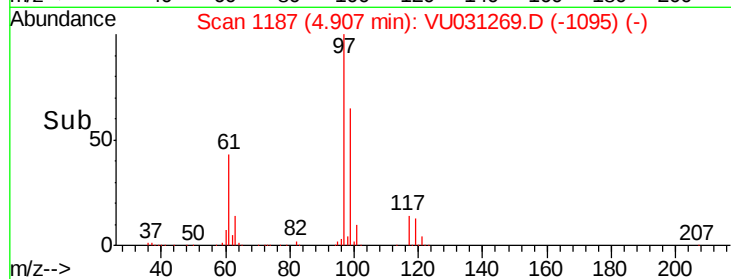
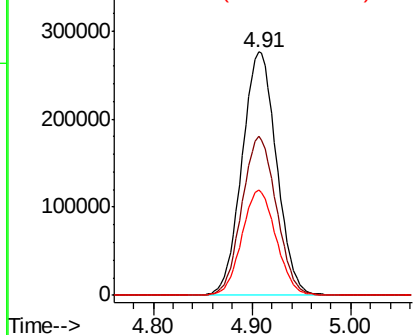
#29
 1,1,1-Trichloroethane
 Concen: 18.879 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	53.9	80.9
61	42.9	35.0	52.6

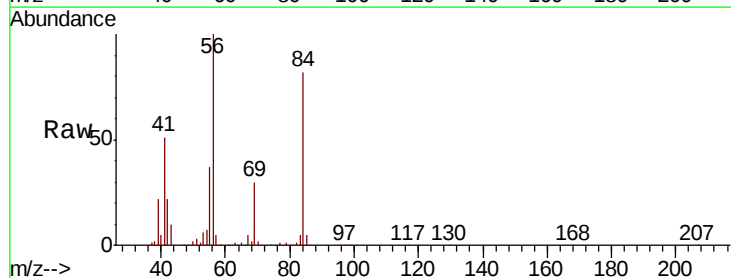


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

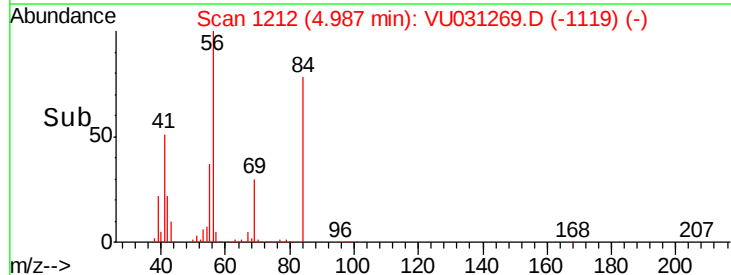
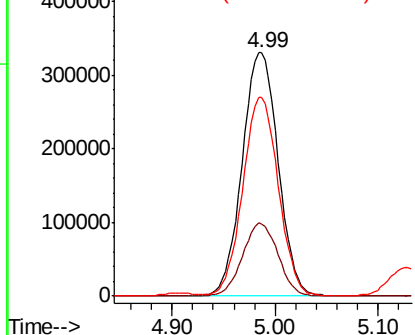


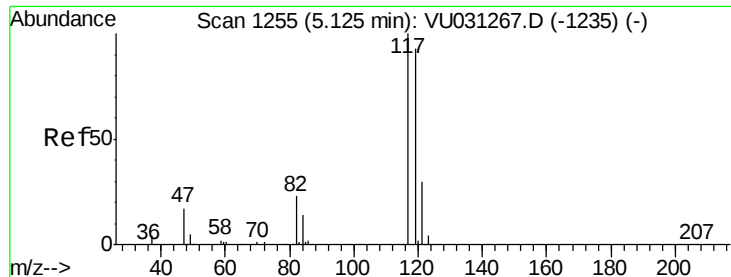
#30
 Cyclohexane
 Concen: 18.758 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.3	34.9
84	80.3	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: 19.863 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

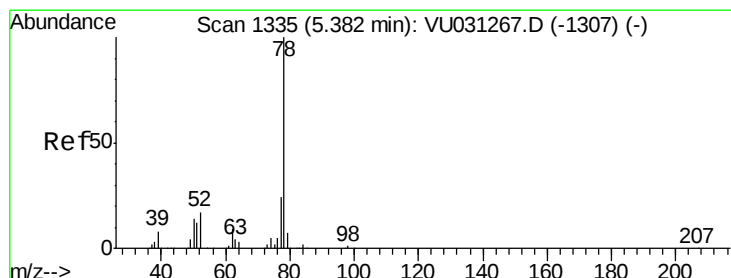
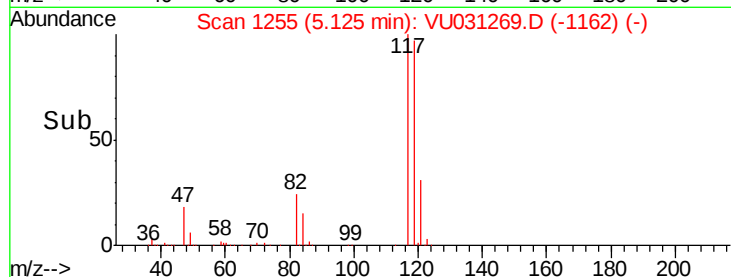
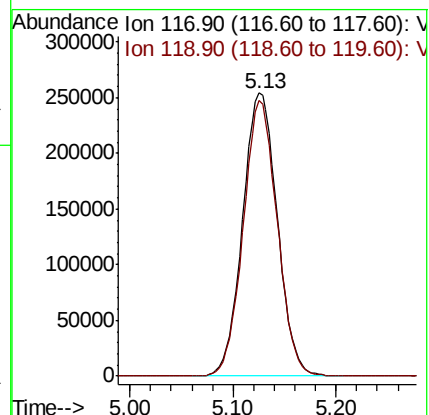
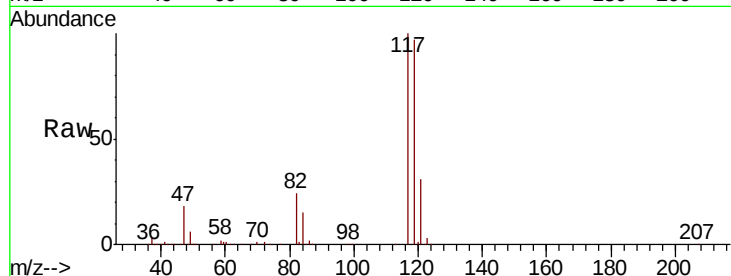
VSTD02006

Tgt Ion:117 Resp: 593706

Ion Ratio Lower Upper

117 100

119 95.4 76.4 114.6



#33

Benzene

Concen: 19.014 ug/L

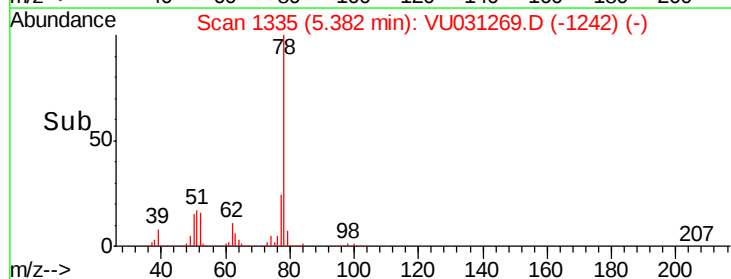
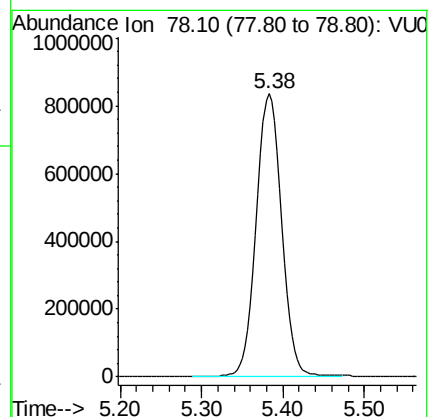
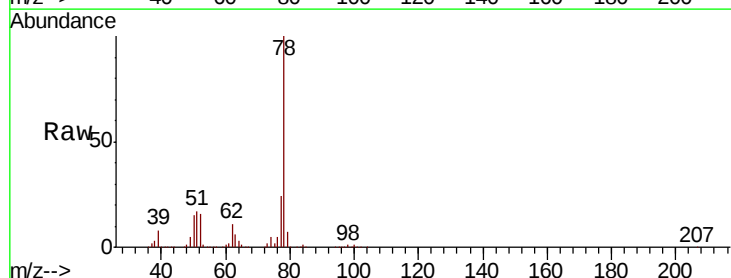
RT: 5.38 min Scan# 1335

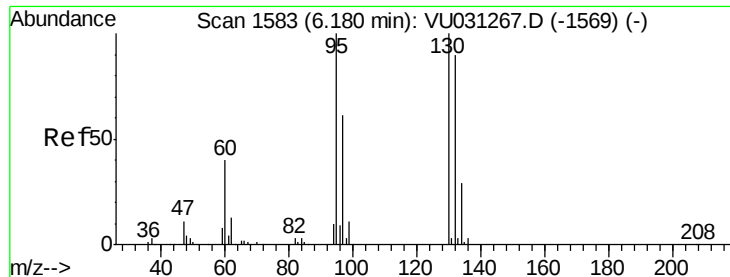
Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Tgt Ion: 78 Resp: 1796140





#34

Trichloroethene

Concen: 19.679 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 95 Resp: 469853

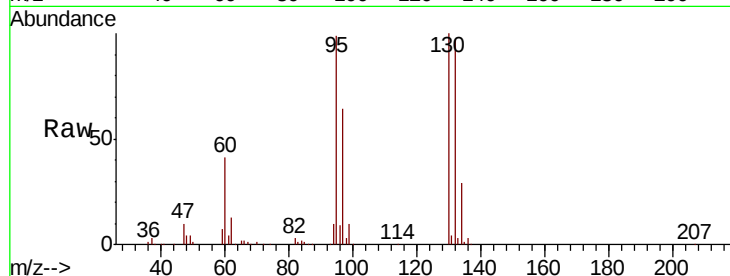
Ion Ratio Lower Upper

95 100

97 64.7 42.7 79.3

132 98.3 62.7 116.5

130 101.4 69.7 129.4

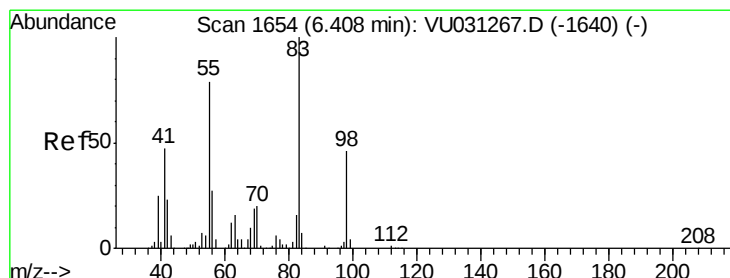
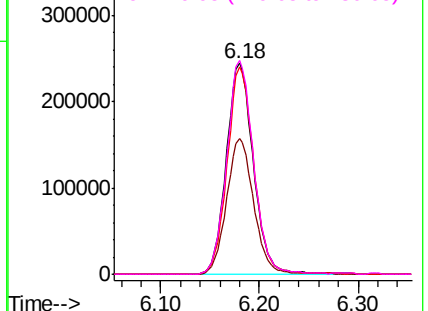
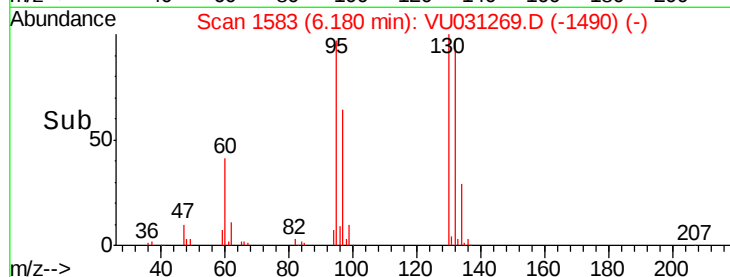


Abundance Ion 95.00 (94.70 to 95.70): VU031269.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU031269.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU031269.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU031269.D (-1490) (-)



#35

Methylcyclohexane

Concen: 19.851 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

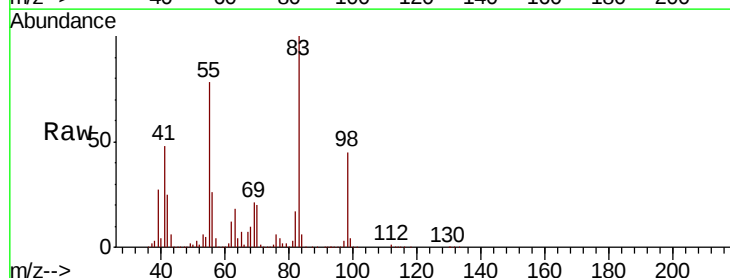
Tgt Ion: 83 Resp: 746410

Ion Ratio Lower Upper

83 100

55 80.5 66.1 99.1

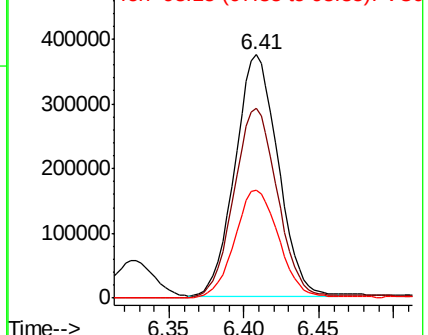
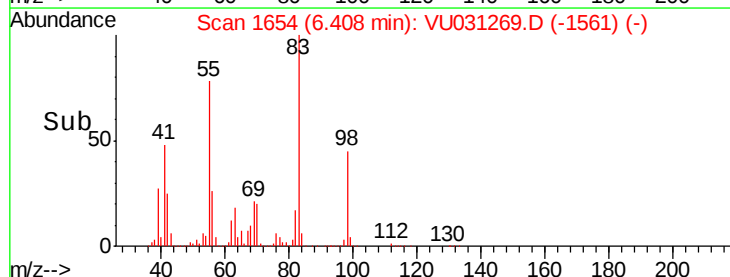
98 46.0 37.8 56.8

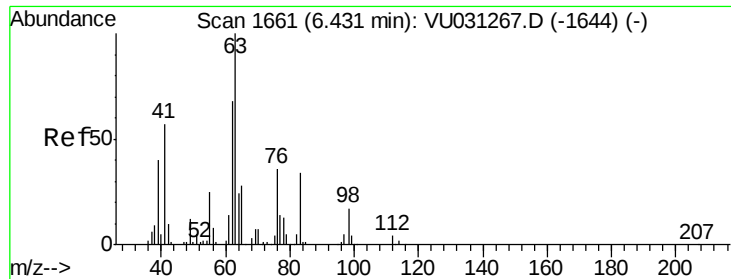


Abundance Ion 83.15 (82.85 to 83.85): VU031269.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU031269.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU031269.D (-1561) (-)

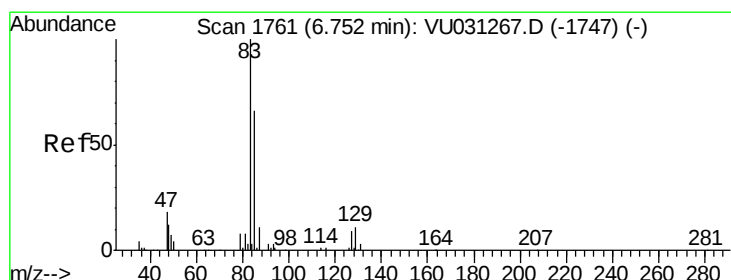
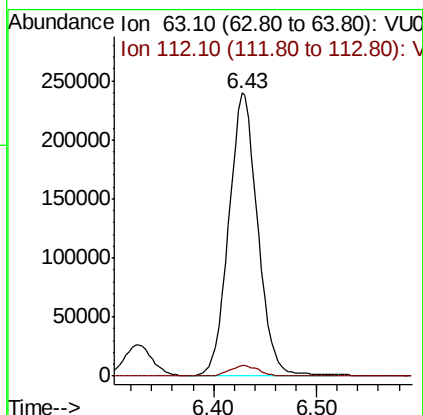
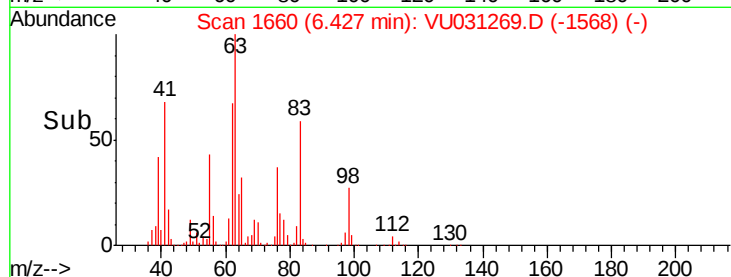
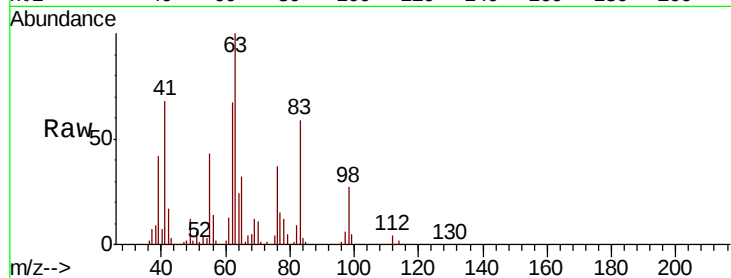




#37
 1,2-Dichloropropane
 Concen: 18.019 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

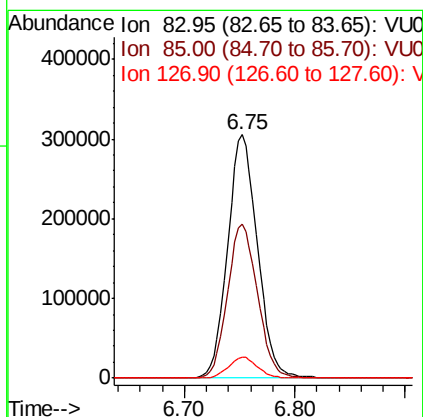
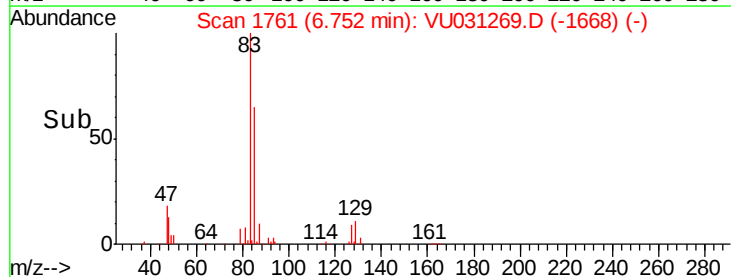
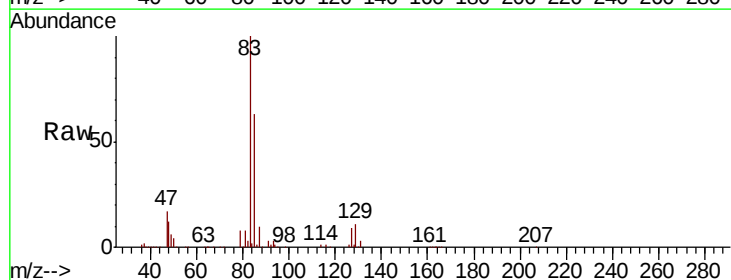
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02006

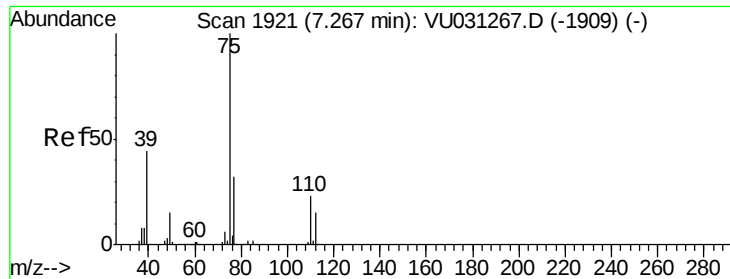
Tgt Ion: 63 Resp: 465661
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 18.781 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 83 Resp: 568099
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.0 85.4
 127 8.7 6.8 10.2

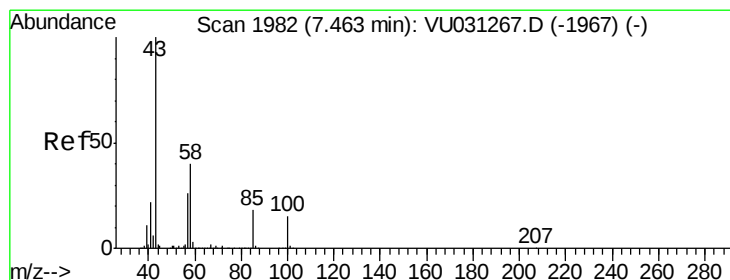
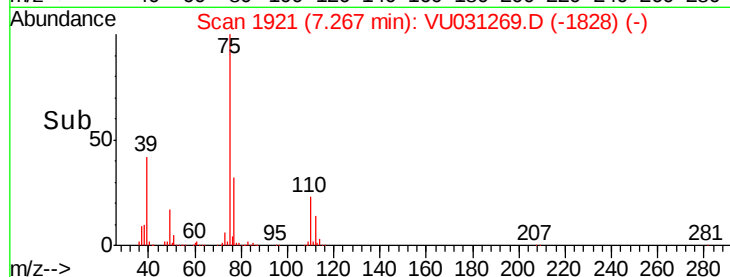
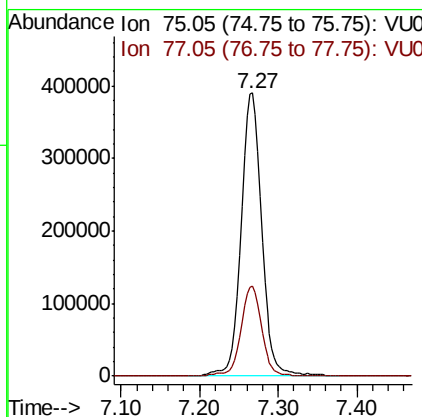
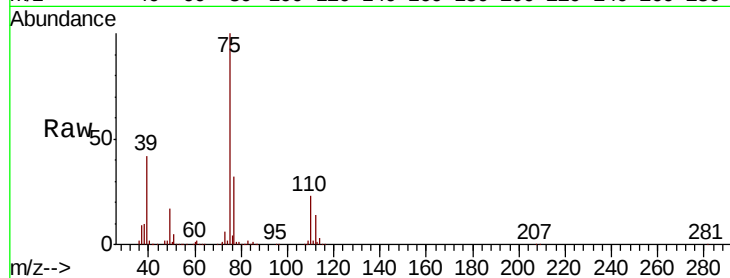




#39
 cis-1,3-Dichloropropene
 Concen: 20.697 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

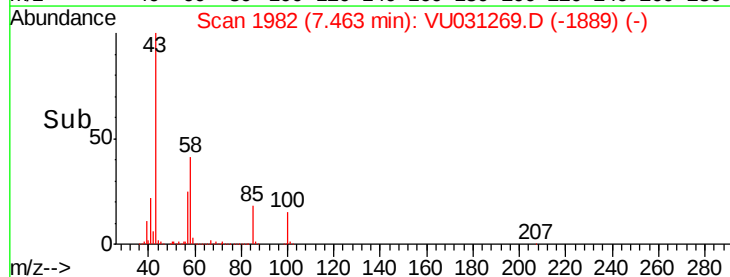
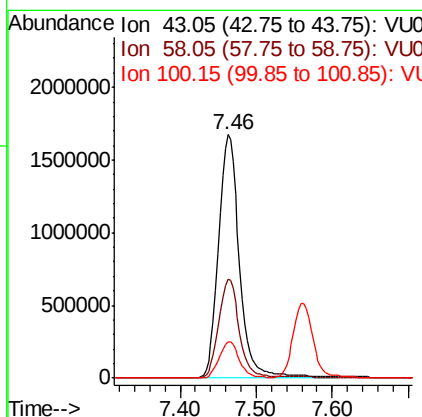
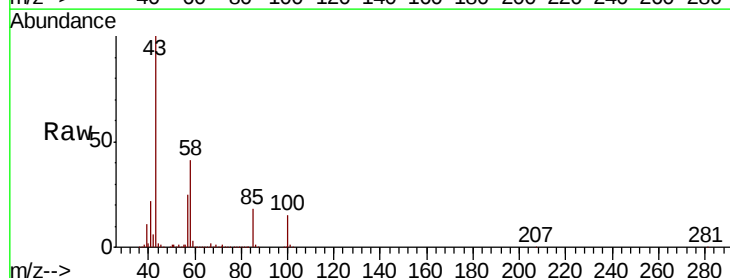
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

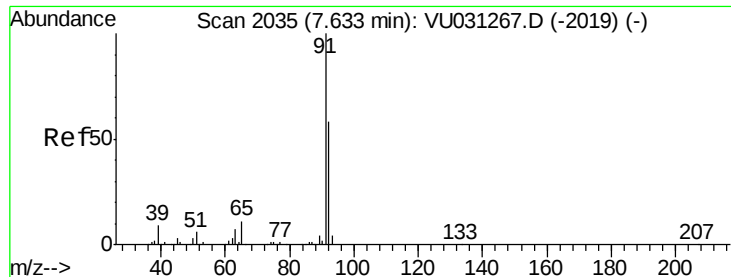
Tgt Ion: 75 Resp: 713689
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 198.067 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 43 Resp: 3200646
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8
 100 14.6 11.5 17.3





#42

Toluene

Concen: 20.011 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

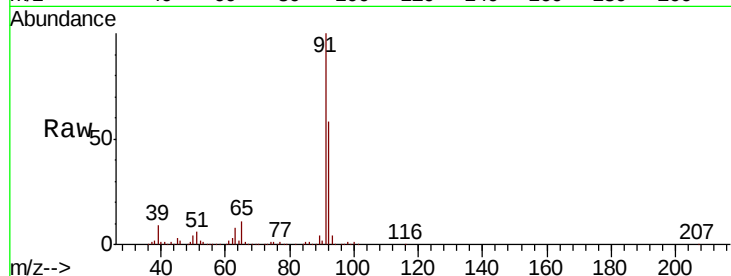
VSTD02006

Tgt Ion: 91 Resp: 1911566

Ion Ratio Lower Upper

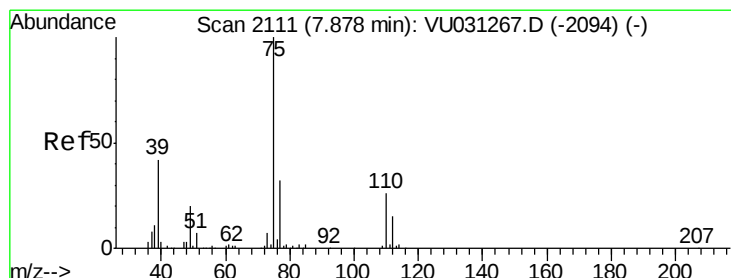
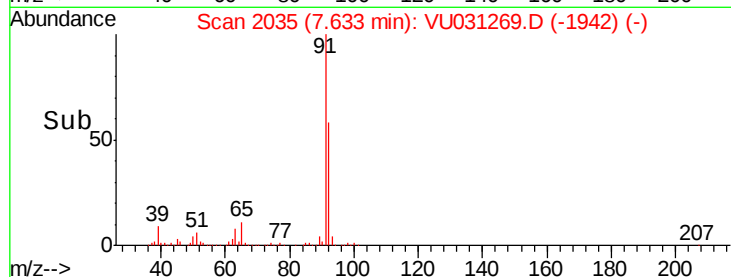
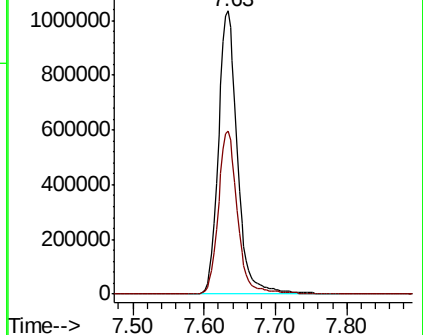
91 100

92 57.7 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU031269.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VU031269.D (-2019) (-)



#44

trans-1,3-Dichloropropene

Concen: 20.585 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031269.D

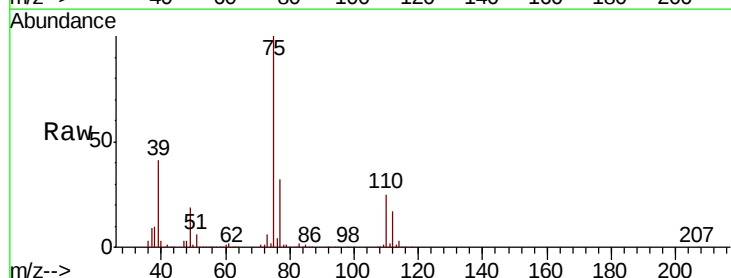
Acq: 17 Apr 2019 20:15

Tgt Ion: 75 Resp: 555372

Ion Ratio Lower Upper

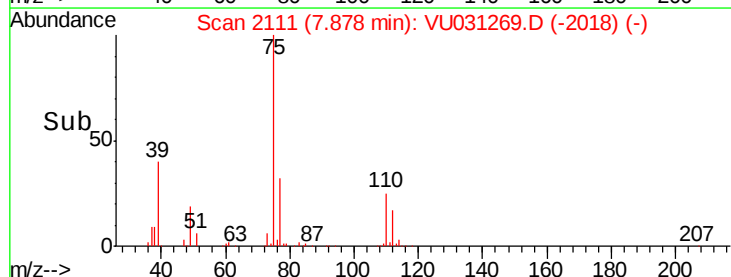
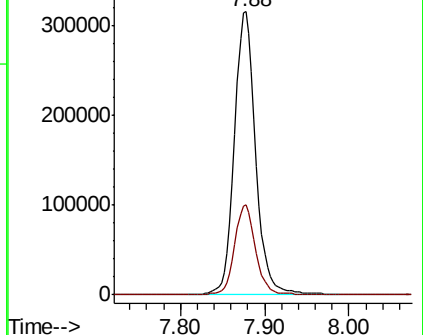
75 100

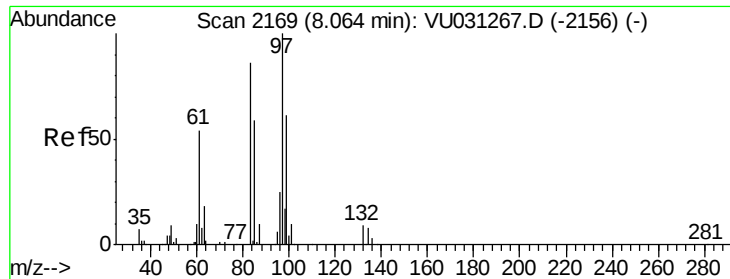
77 31.7 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU031269.D (-2019) (-)

Ion 77.05 (76.75 to 77.75): VU031269.D (-2019) (-)

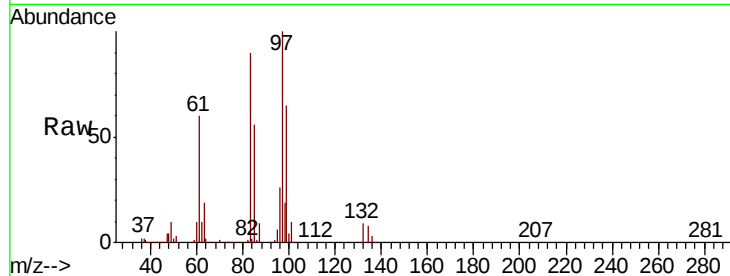




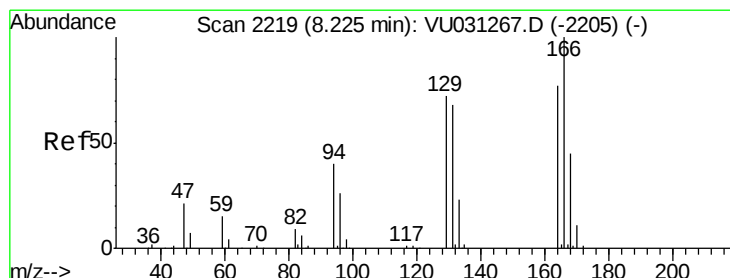
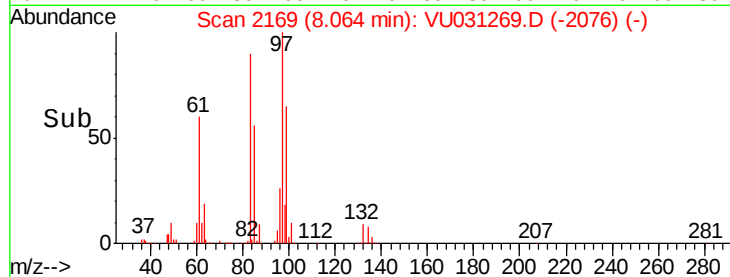
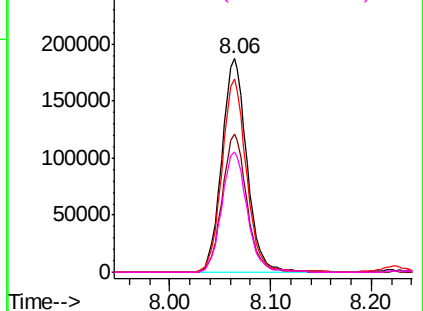
#45
 1,1,2-Trichloroethane
 Concen: 20.524 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:	97	Resp:	325460
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.8	79.6
83	90.3	60.4	112.2
85	56.2	41.4	77.0

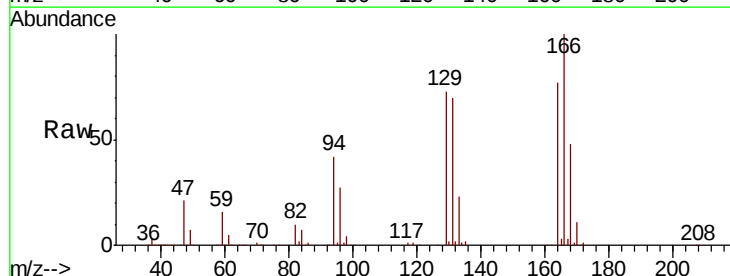


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

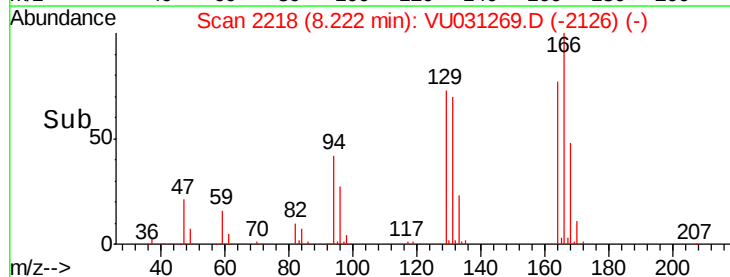
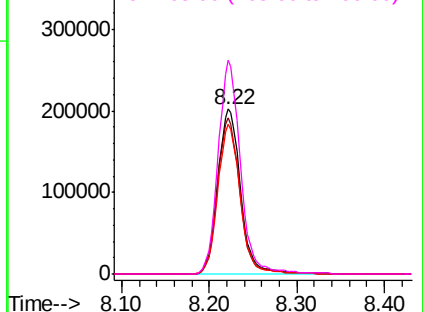


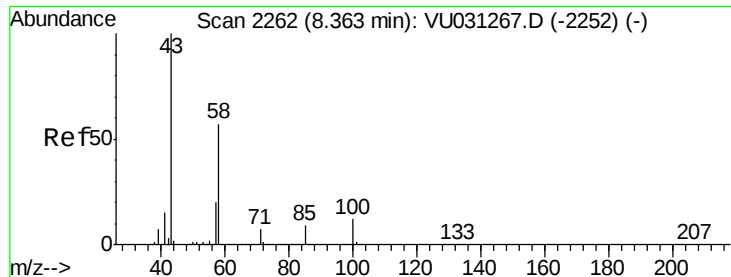
#47
 Tetrachloroethene
 Concen: 21.476 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion:	164	Resp:	366626
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.2	121.2
131	90.8	61.9	114.9
166	129.7	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

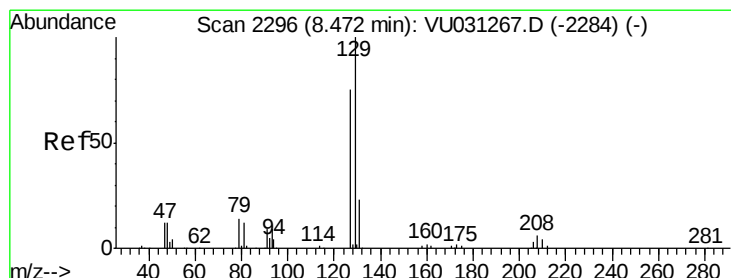
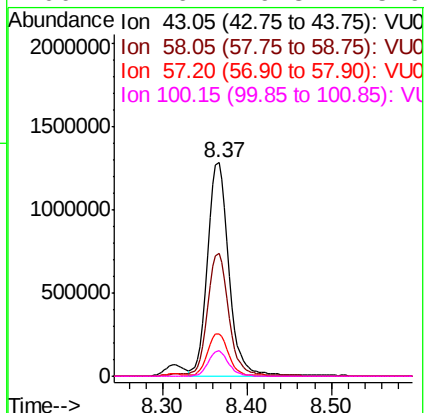
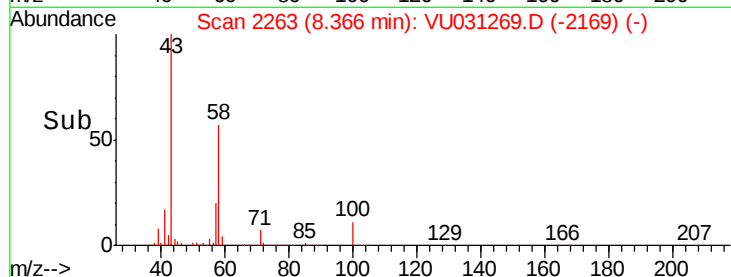
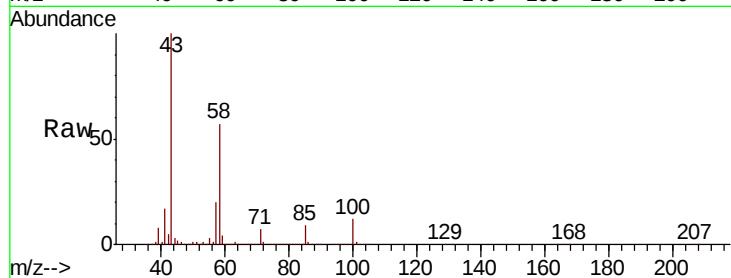




#48
2-Hexanone
Concen: 201.632 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

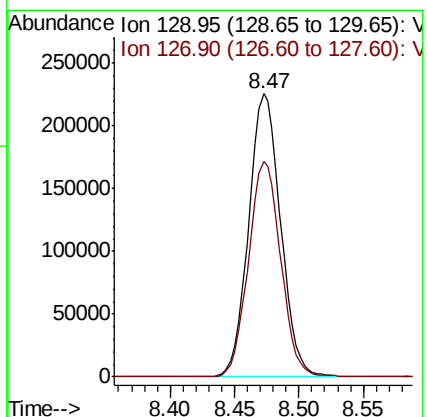
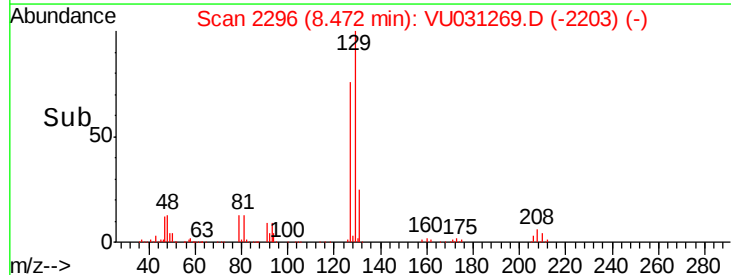
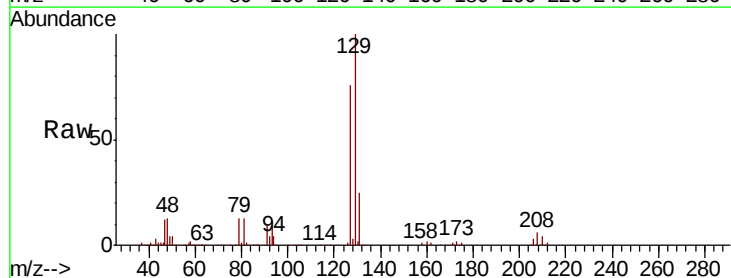
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

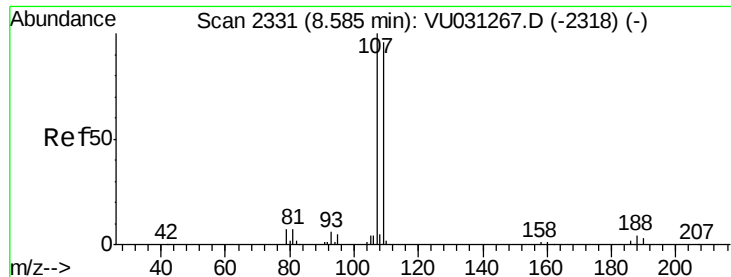
Tgt Ion: 43 Resp: 2250711
Ion Ratio Lower Upper
43 100
58 57.7 44.4 66.6
57 19.7 15.7 23.5
100 11.6 9.3 13.9



#49
Dibromochloromethane
Concen: 20.767 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Tgt Ion: 129 Resp: 389384
Ion Ratio Lower Upper
129 100
127 76.3 52.3 97.1

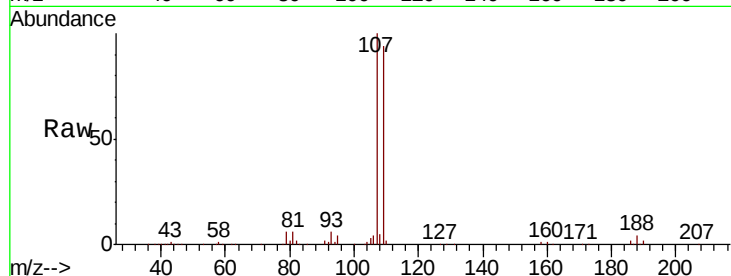




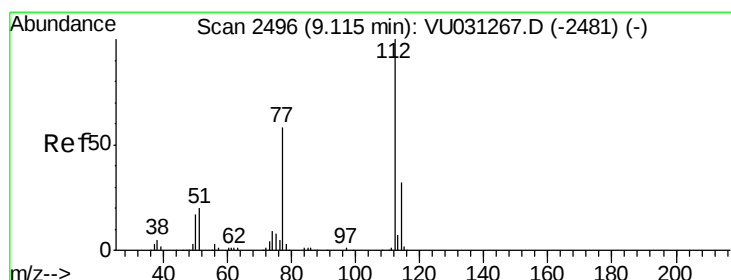
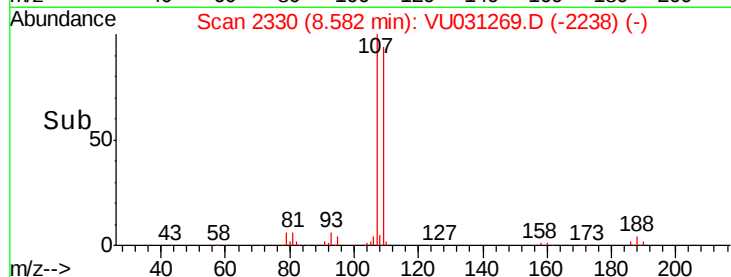
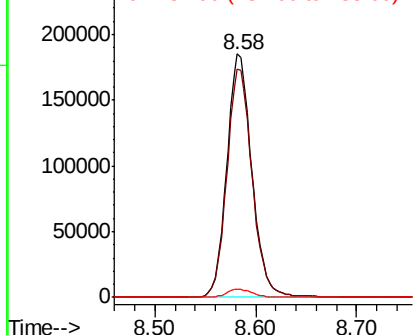
#50
1,2-Dibromoethane
Concen: 21.758 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	67.3	124.9
188	3.5	2.8	4.2

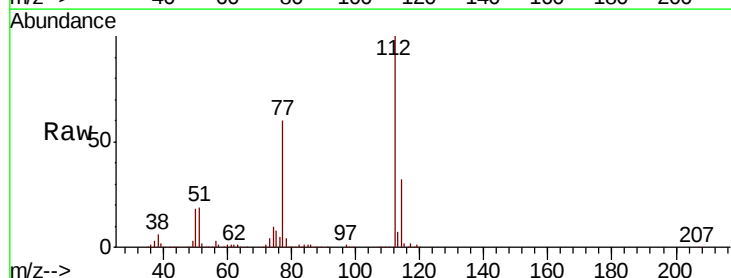


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

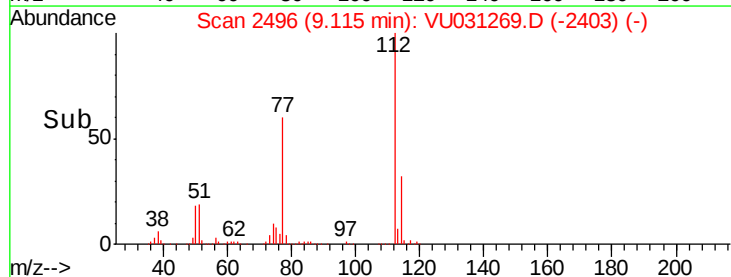
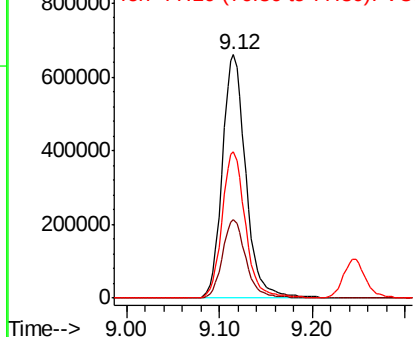


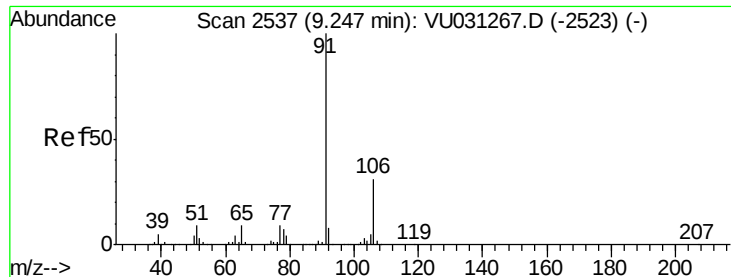
#51
Chlorobenzene
Concen: 19.569 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	60.1	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: 20.363 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

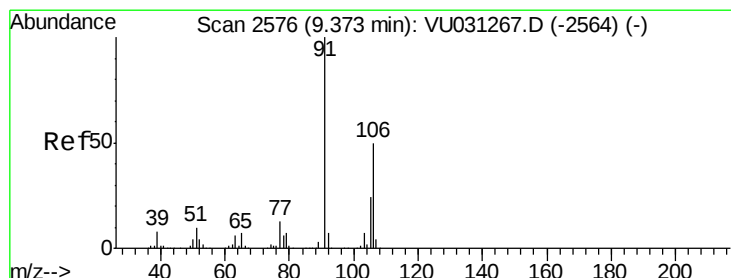
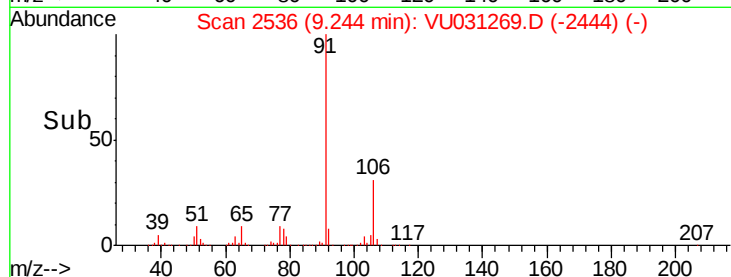
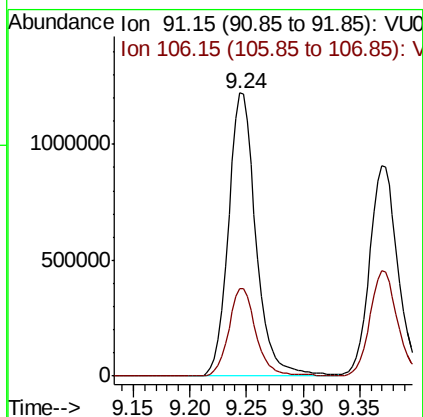
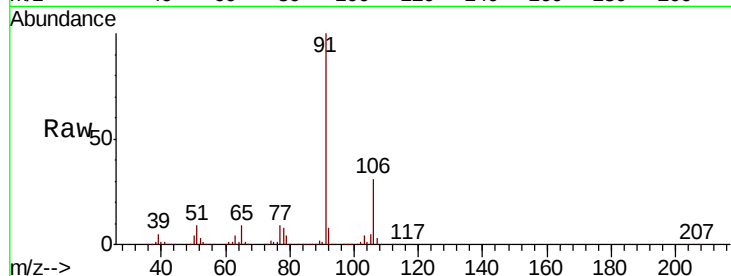
VSTD02006

Tgt Ion: 91 Resp: 2070020

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6



#53

m,p-Xylene

Concen: 21.714 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031269.D

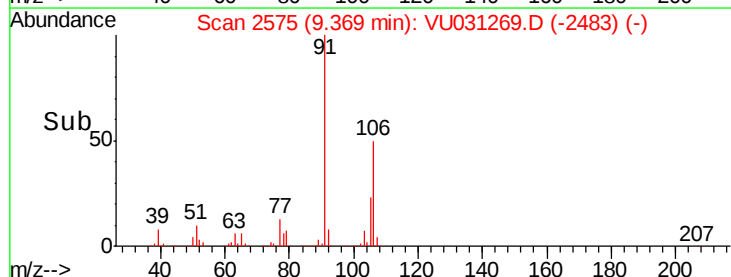
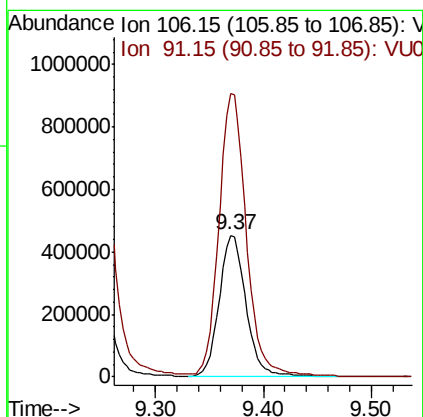
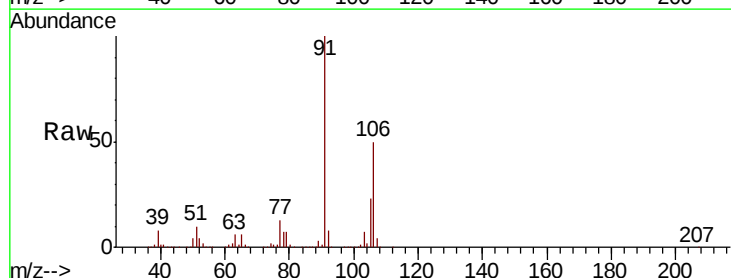
Acq: 17 Apr 2019 20:15

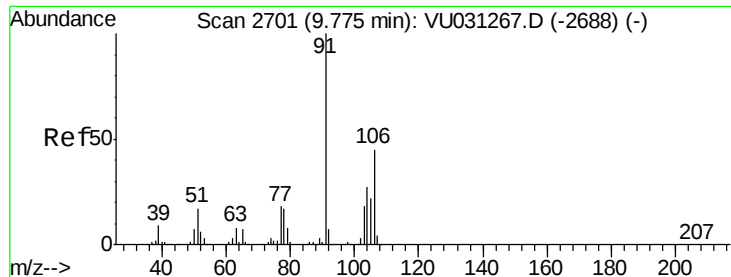
Tgt Ion: 106 Resp: 779623

Ion Ratio Lower Upper

106 100

91 200.2 139.8 259.6

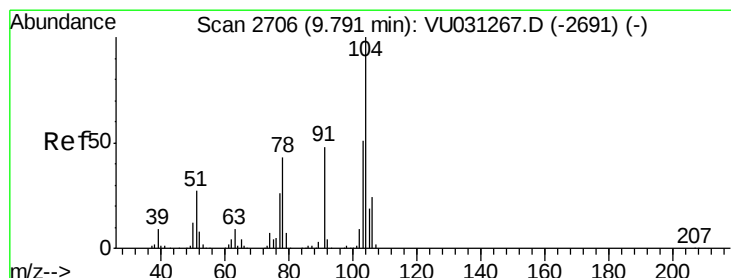
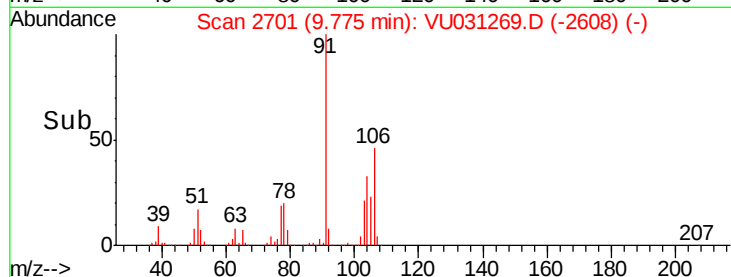
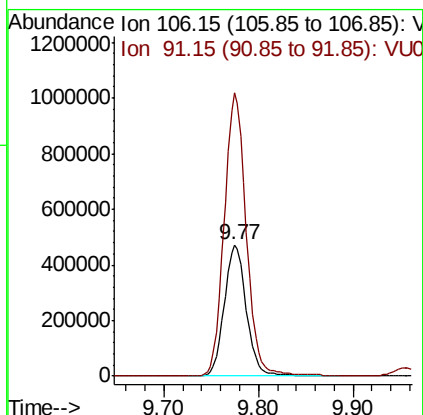
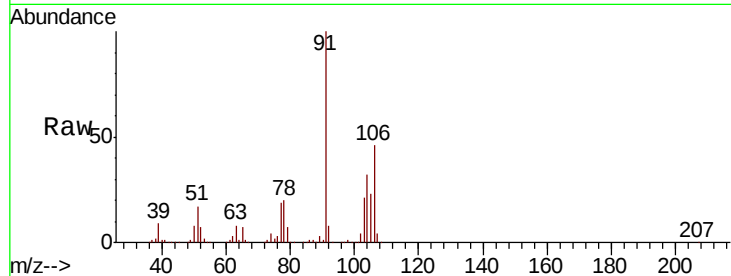




#54
o-Xylene
Concen: 21.729 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

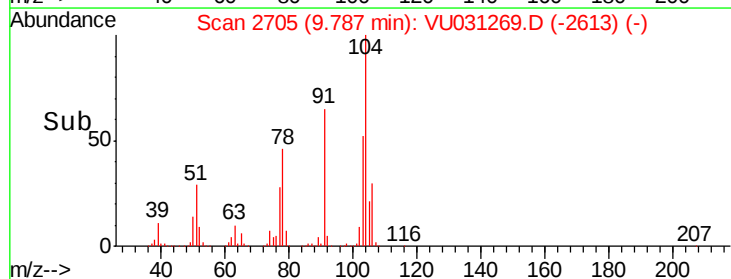
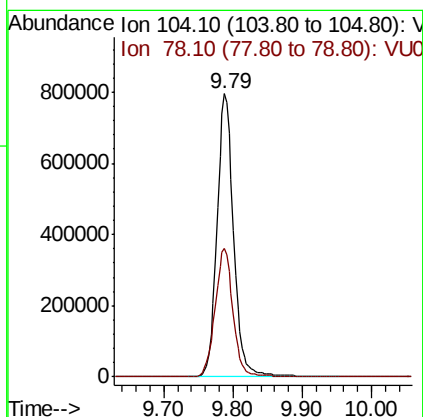
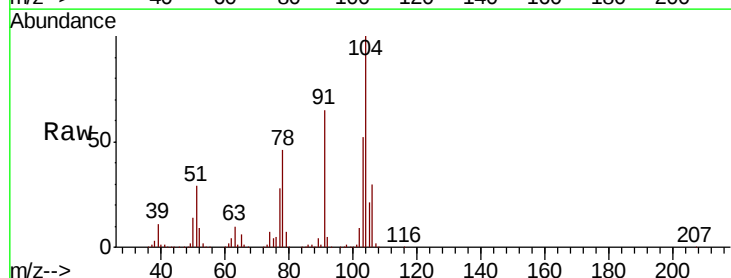
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

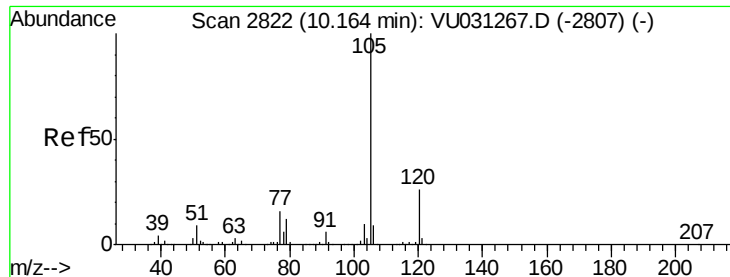
Tgt Ion:106 Resp: 766666
Ion Ratio Lower Upper
106 100
91 216.0 153.9 285.9



#55
Styrene
Concen: 22.352 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU031269.D
Acq: 17 Apr 2019 20:15

Tgt Ion:104 Resp: 1319287
Ion Ratio Lower Upper
104 100
78 45.6 30.0 55.8





#56

Isopropylbenzene

Concen: 21.594 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

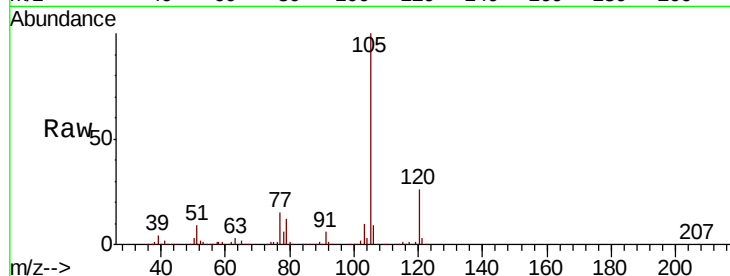
Tgt Ion:105 Resp: 2027193

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

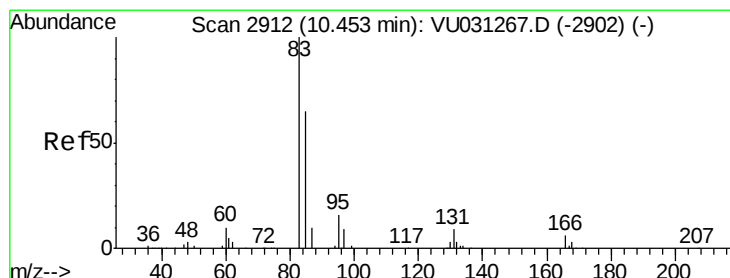
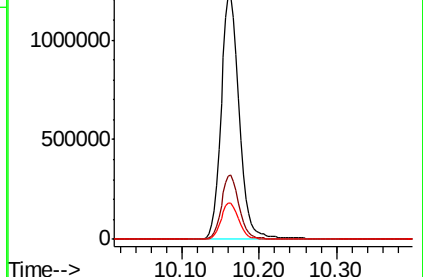
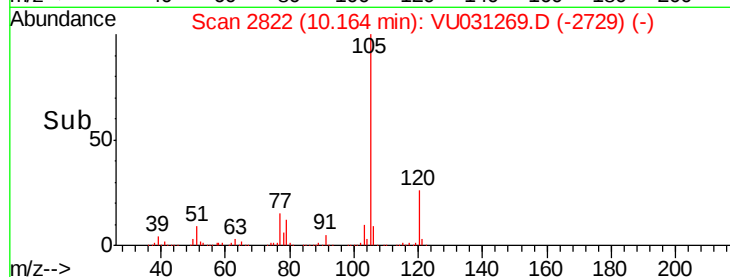
77 14.8 12.4 18.6



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: 20.080 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

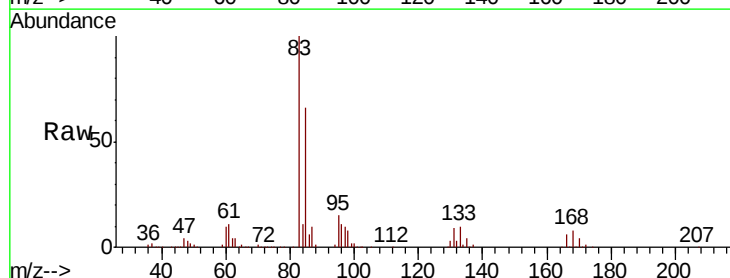
Tgt Ion: 83 Resp: 416021

Ion Ratio Lower Upper

83 100

85 65.5 46.5 86.3

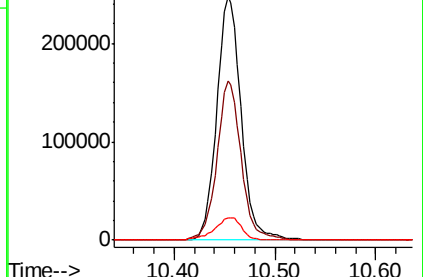
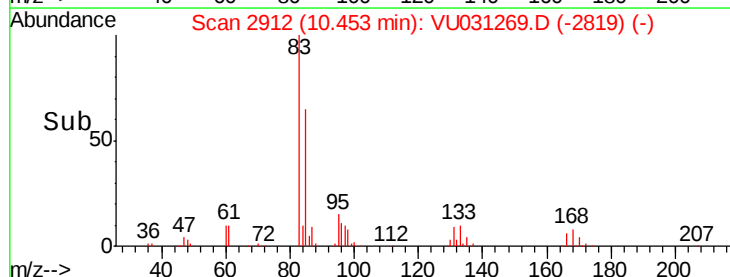
131 9.2 7.8 11.6

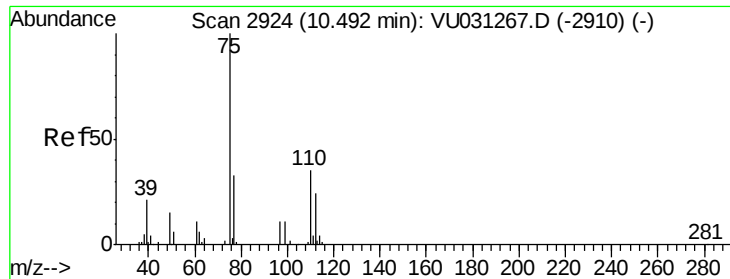


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.533 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

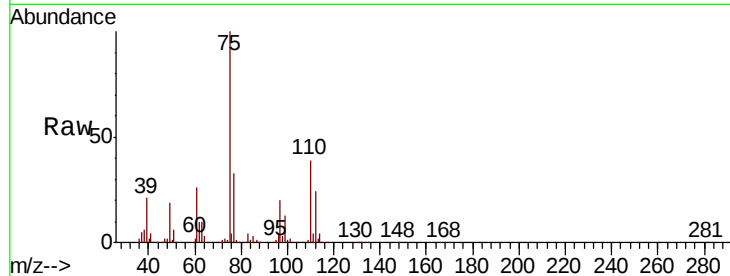
VSTD02006

Tgt Ion: 75 Resp: 286064

Ion Ratio Lower Upper

75 100

77 32.2 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) (-)

10.49

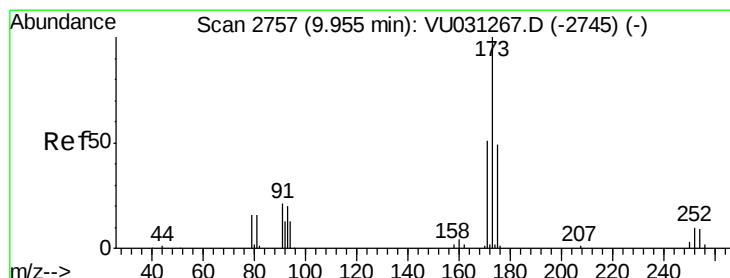
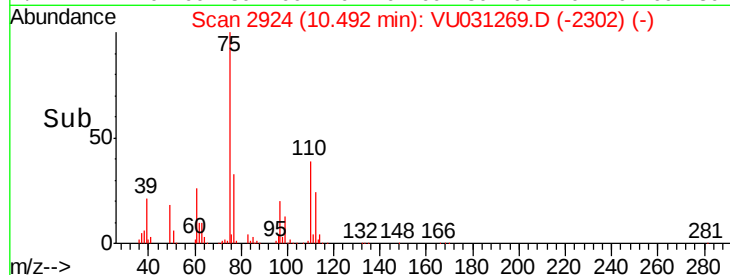
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 21.681 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

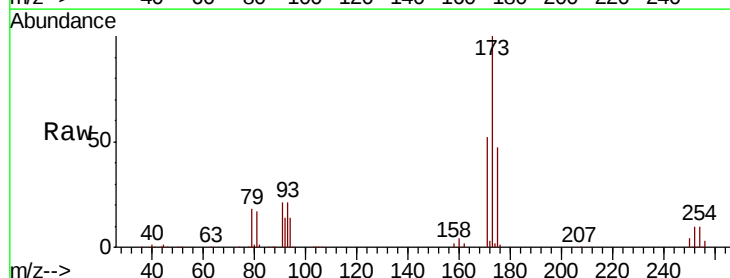
Tgt Ion: 173 Resp: 234810

Ion Ratio Lower Upper

173 100

175 47.8 39.3 58.9

254 9.5 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) (-)

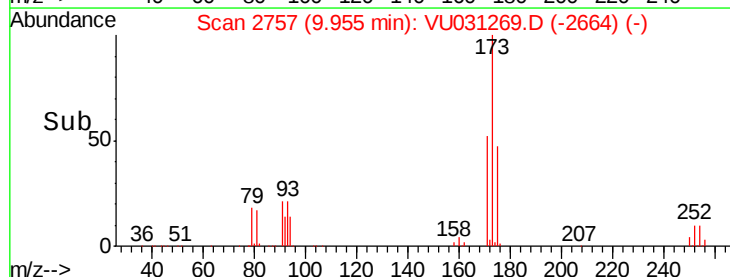
150000

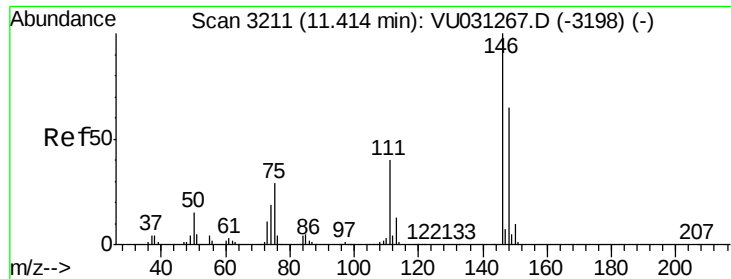
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 20.040 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

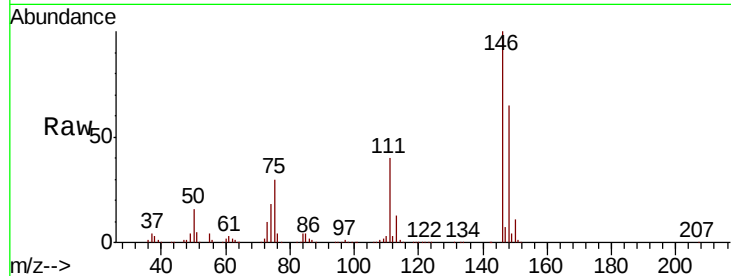
Tgt Ion:146 Resp: 906212

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

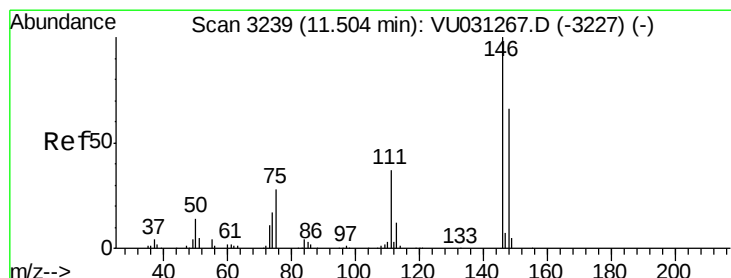
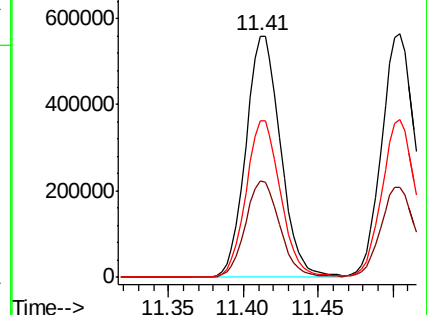
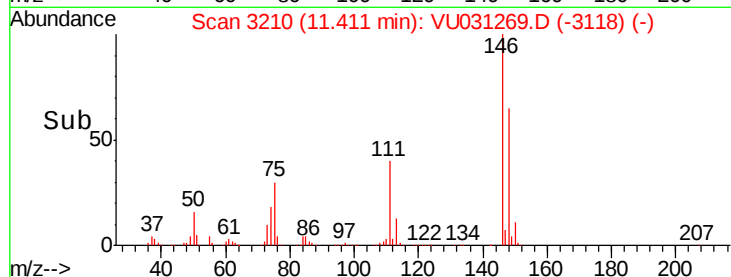
148 64.7 45.6 84.6



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: 19.318 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

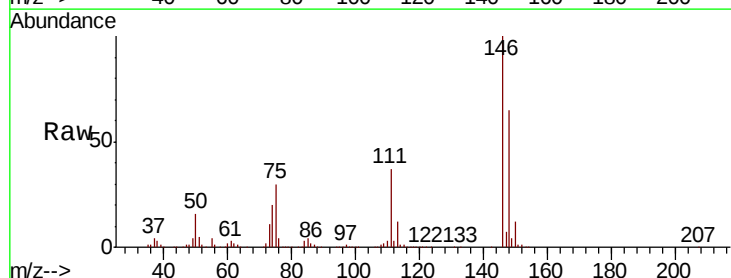
Tgt Ion:146 Resp: 910673

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.1

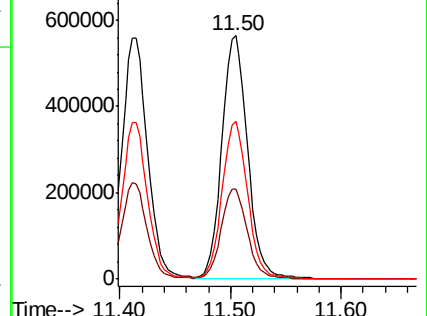
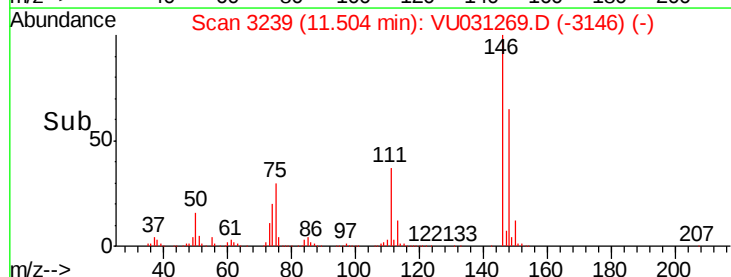
148 65.0 46.0 85.4

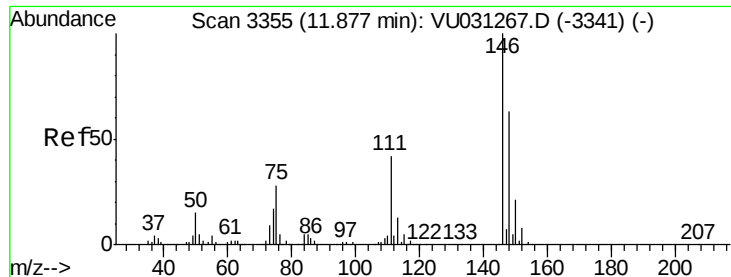


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

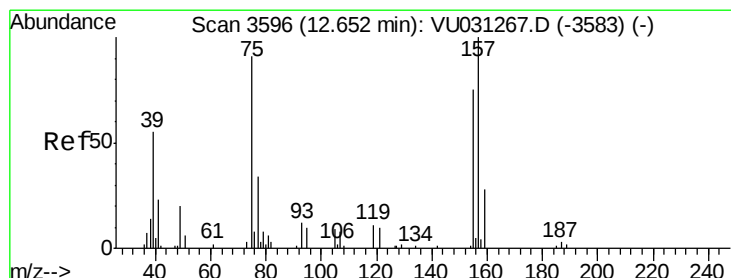
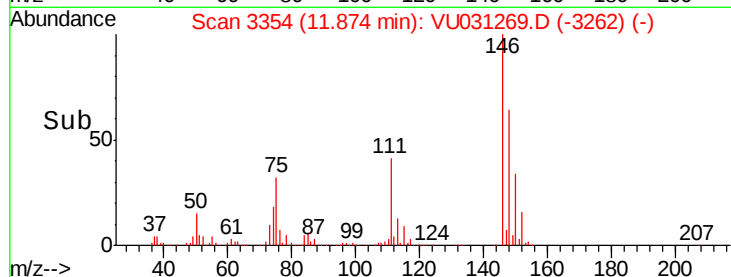
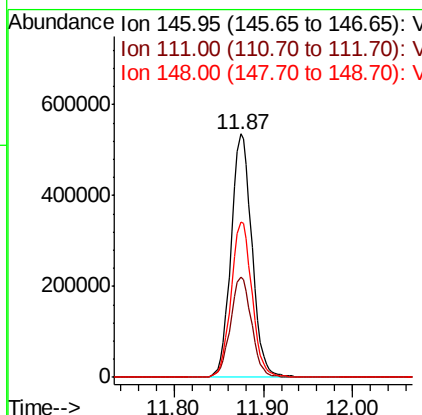
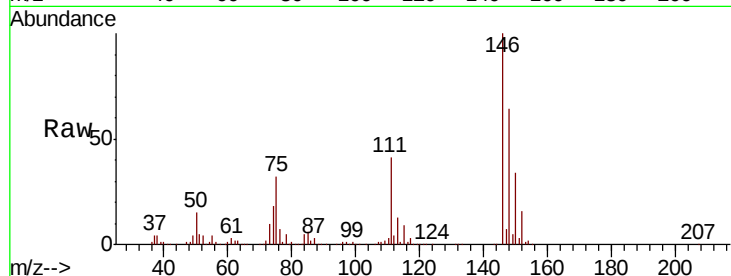




#65
 1,2-Dichlorobenzene
 Concen: 19.686 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

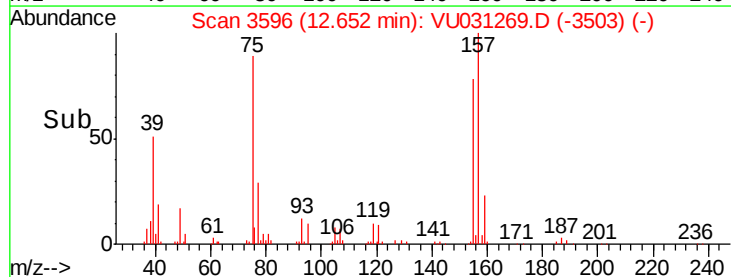
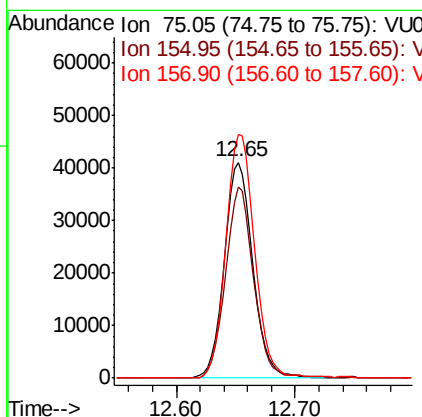
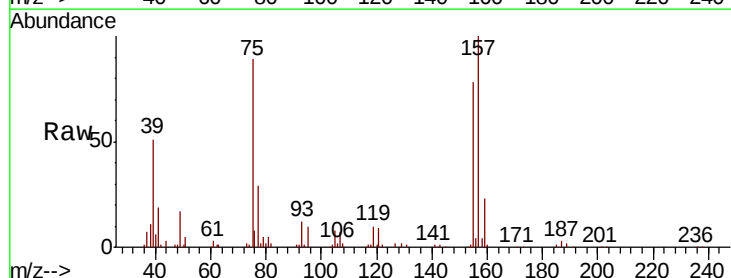
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

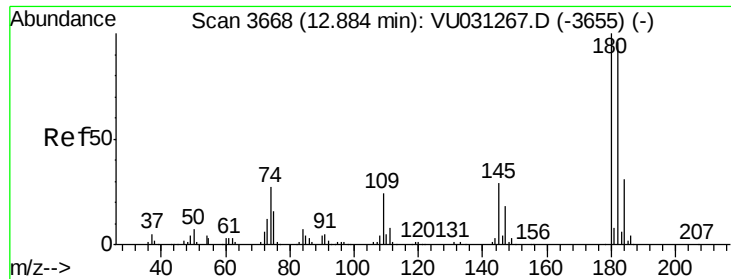
Tgt Ion:146 Resp: 867003
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.6 50.4
 148 63.9 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.205 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion: 75 Resp: 68199
 Ion Ratio Lower Upper
 75 100
 155 88.4 66.0 99.0
 157 112.7 88.2 132.4

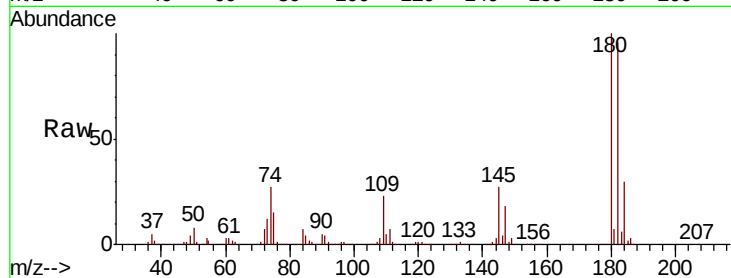




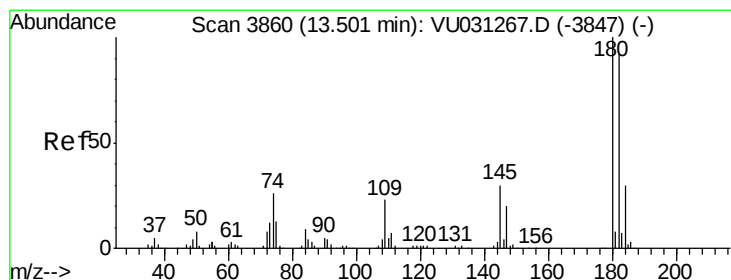
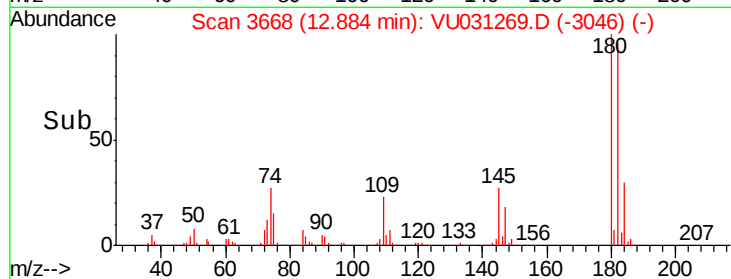
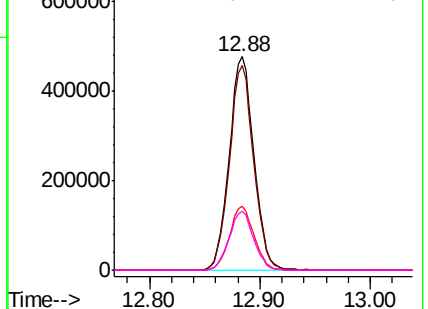
#67
 1,3,5-Trichlorobenzene
 Concen: 21.840 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:180 Resp: 737988
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.9 115.3
 184 29.9 24.8 37.2
 145 27.7 23.0 34.6

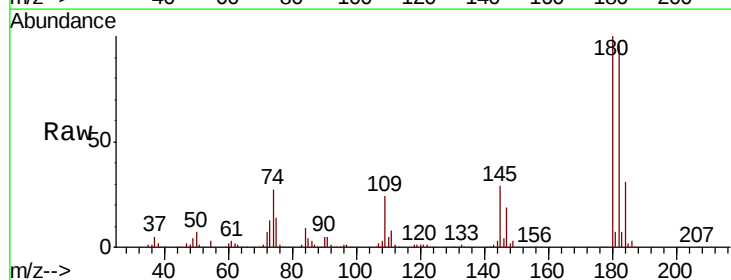


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

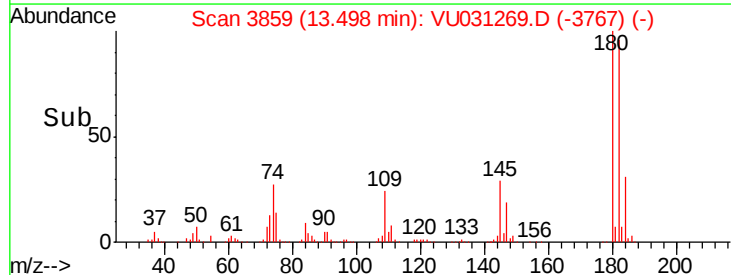
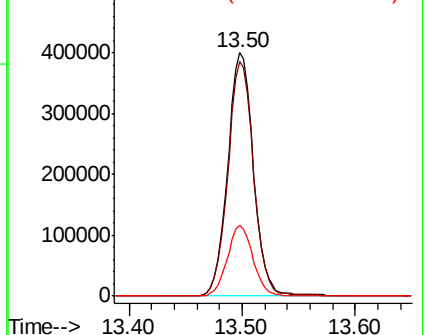


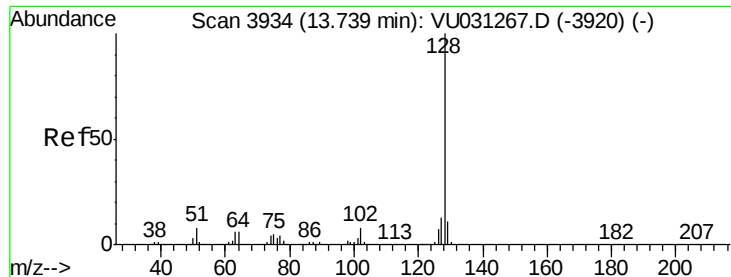
#68
 1,2,4-trichlorobenzene
 Concen: 23.945 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031269.D
 Acq: 17 Apr 2019 20:15

Tgt Ion:180 Resp: 632676
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.6 113.4
 145 29.1 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: 27.461 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

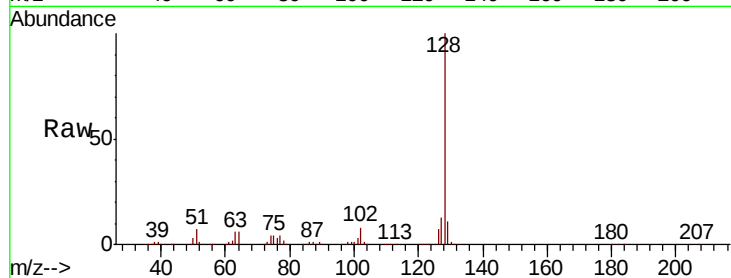
Tgt Ion:128 Resp: 1257225

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

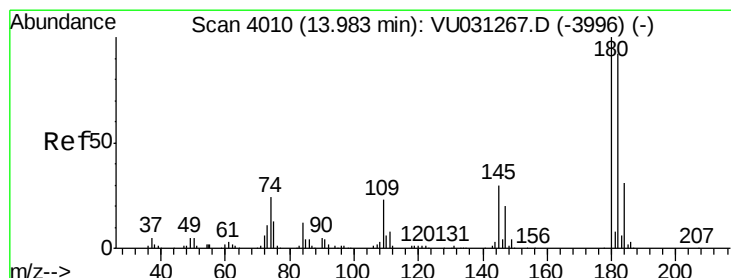
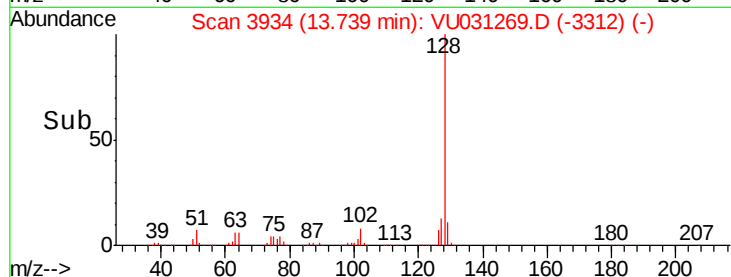
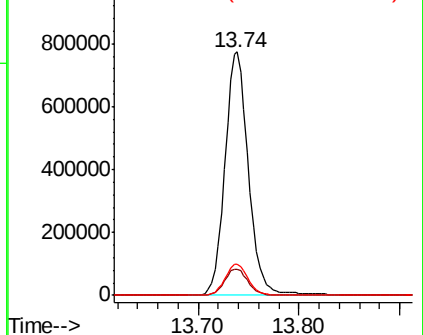
127 12.9 10.2 15.2



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: 23.973 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031269.D

Acq: 17 Apr 2019 20:15

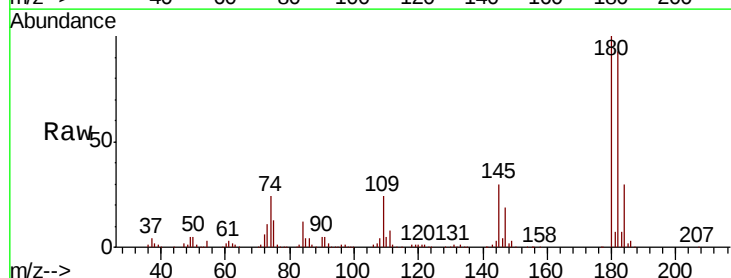
Tgt Ion:180 Resp: 597405

Ion Ratio Lower Upper

180 100

182 94.2 74.4 111.6

145 30.4 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

