

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030690.D
 Acq On : 04 Apr 2019 17:38
 Operator : JC/SP
 Sample : VSTD10049
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

Quant Time: Apr 05 01:45:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:40:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463837	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	220488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	411198	93.04	ug/L	0.00
7) Chloroethane-d5	1.67	69	317535	95.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	759872	96.20	ug/L	0.00
21) 2-Butanone-d5	4.17	46	720438	223.11	ug/L	0.00
24) Chloroform-d	4.64	84	667429	102.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	439925	96.90	ug/L	0.00
32) Benzene-d6	5.33	84	1369363	101.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	464837	100.22	ug/L	0.00
41) Toluene-d8	7.56	98	1228433	103.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	228674	114.84	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	469237	241.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	634979	102.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	426658	97.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	395563	89.371 ug/L	99
3) Chloromethane	1.32	50	508080	88.255 ug/L	100
5) Vinyl chloride	1.40	62	494043	89.136 ug/L	94
6) Bromomethane	1.61	94	259569	90.845 ug/L	100
8) Chloroethane	1.69	64	283825	89.709 ug/L	99
9) Trichlorofluoromethane	1.88	101	585450	91.296 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	327202	90.912 ug/L	97
12) 1,1-Dichloroethene	2.28	96	320547	93.874 ug/L	93
13) Acetone	2.32	43	639636	170.814 ug/L	100
14) Carbon disulfide	2.47	76	990179	93.046 ug/L	98
15) Methyl Acetate	2.61	43	540817	100.130 ug/L	98
16) Methylene chloride	2.69	84	376899	88.851 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	331910	89.944 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	1154889	96.185 ug/L	100
19) 1,1-Dichloroethane	3.44	63	698091	93.000 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	379492	95.431 ug/L	99
22) 2-Butanone	4.25	43	854019	215.239 ug/L	95
23) Bromochloromethane	4.54	128	180452	96.547 ug/L	99
25) Chloroform	4.67	83	690137	89.846 ug/L	99
27) 1,2-Dichloroethane	5.40	62	533947	92.763 ug/L	99
29) Cyclohexane	4.99	56	663100	100.640 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	550572	95.252 ug/L	100
31) Carbon tetrachloride	5.13	117	479912	96.584 ug/L	99
33) Benzene	5.38	78	1507586	98.052 ug/L	100
34) Trichloroethene	6.18	95	362622	95.823 ug/L	98
35) Methylcyclohexane	6.41	83	586331	103.414 ug/L	98
37) 1,2-Dichloropropane	6.43	63	418035	95.316 ug/L	99
38) Bromodichloromethane	6.75	83	507078	96.405 ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	654538	112.177 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	1452195	217.392 ug/L	99

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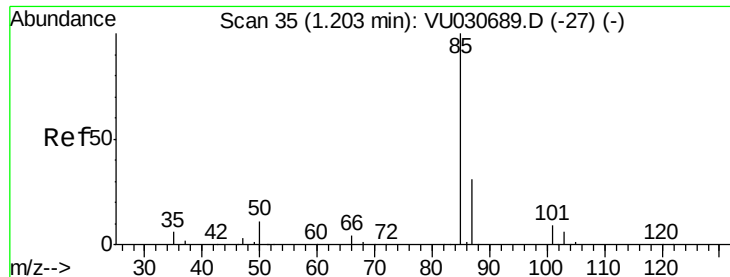
Instrument :
 MSVOA_U
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Quant Time: Apr 05 01:45:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.63	91	1551496	100.062	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	565871	109.559	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	361898	97.897	ug/L	97
46) Tetrachloroethene	8.22	164	261343	93.954	ug/L	99
48) 2-Hexanone	8.36	43	1163369	226.579	ug/L	100
49) Dibromochloromethane	8.47	129	383214	98.713	ug/L	100
50) 1,2-Dibromoethane	8.58	107	388563	97.763	ug/L	98
51) Chlorobenzene	9.12	112	927123	95.970	ug/L	100
52) Ethylbenzene	9.24	91	1694991	100.791	ug/L	99
53) m,p-Xylene	9.37	106	611134	106.479	ug/L	99
54) o-xylene	9.77	106	599248	103.891	ug/L	99
55) Styrene	9.79	104	1050310	108.092	ug/L	99
56) Isopropylbenzene	10.16	105	1583220	104.501	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	648064	97.007	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	513496	98.871	ug/L	98
61) Bromoform	9.95	173	280900	94.960	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	673015	94.513	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	681704	93.854	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	671566	93.226	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	147076	99.142	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	502583	97.906	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	452510	108.438	ug/L	100
69) Naphthalene	13.74	128	1564020	122.059	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	461041	103.642	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 89.371 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

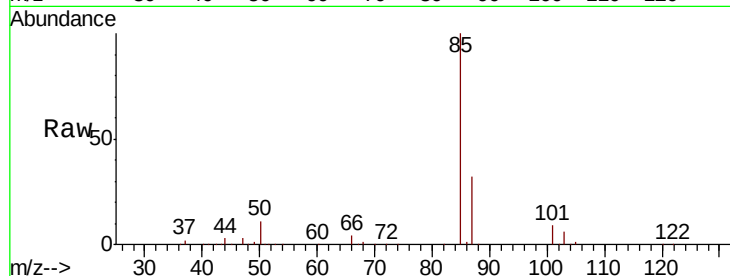
VSTD10049

Tot Ion: 85 Resp: 395563

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030689.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030689.D (-27) (-)

1.20

400000

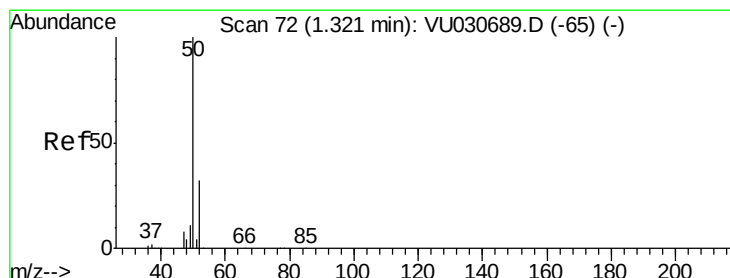
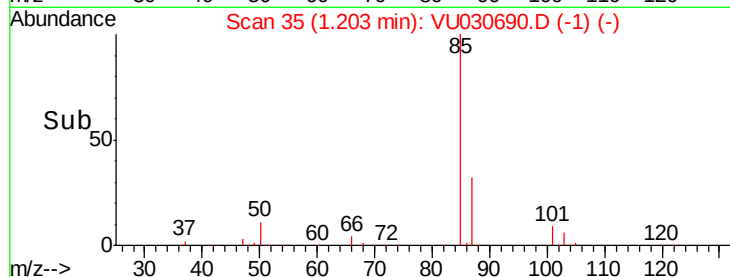
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 88.255 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU030690.D

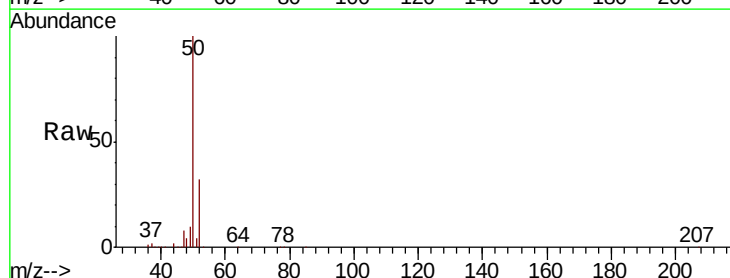
Acq: 04 Apr 2019 17:38

Tgt Ion: 50 Resp: 508080

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030689.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030689.D (-65) (-)

1.32

600000

500000

400000

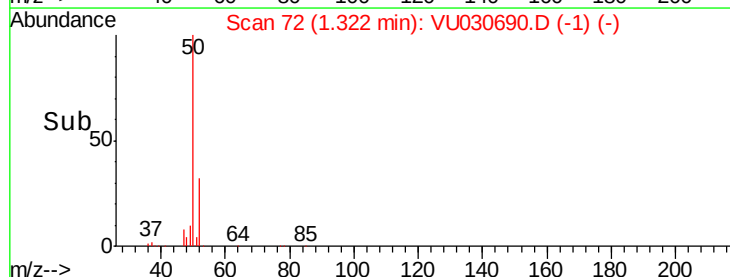
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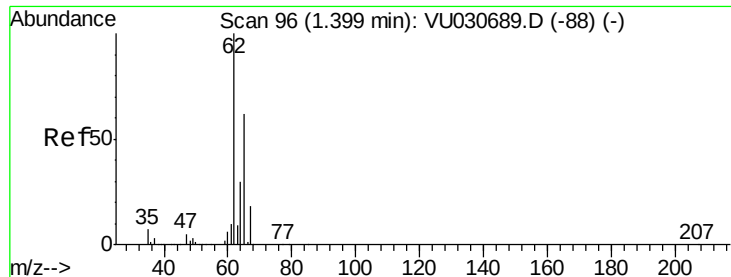
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 89.136 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampled :

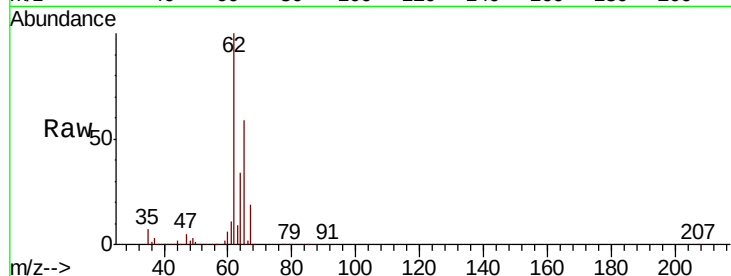
VSTD10049

Tot Ion: 62 Resp: 494043

Ion Ratio Lower Upper

62 100

64 33.8 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030689.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030689.D (-88) (-)

1.40

500000

400000

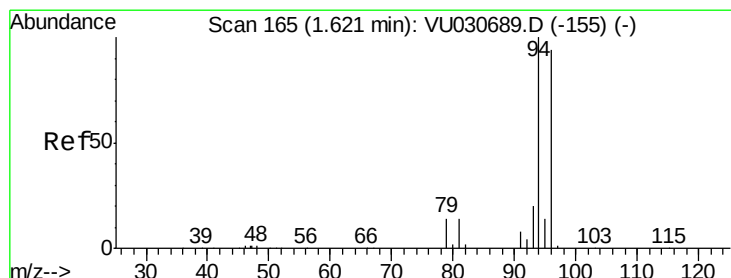
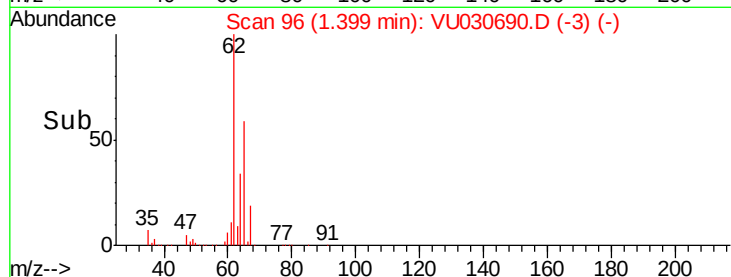
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 90.845 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU030690.D

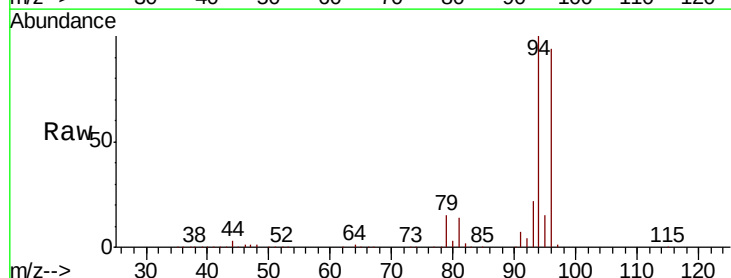
Acq: 04 Apr 2019 17:38

Tgt Ion: 94 Resp: 259569

Ion Ratio Lower Upper

94 100

96 94.0 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU030689.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030689.D (-155) (-)

1.61

200000

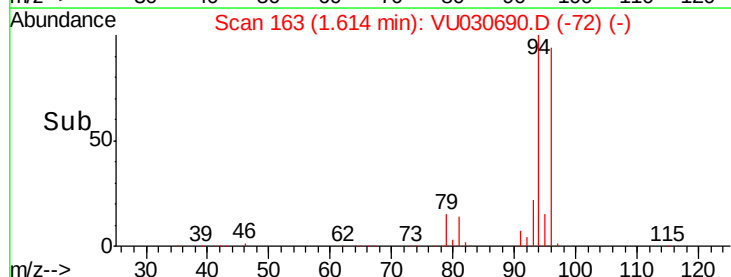
150000

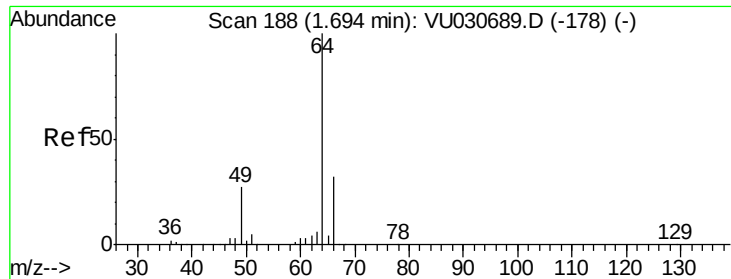
100000

50000

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Time-->

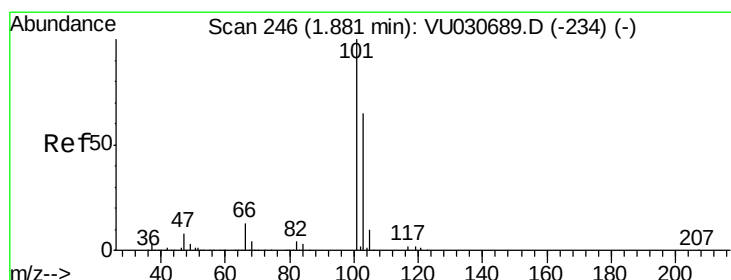
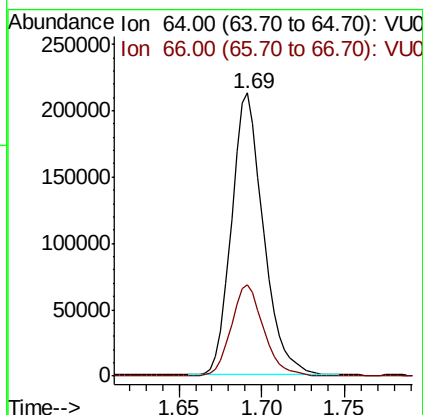
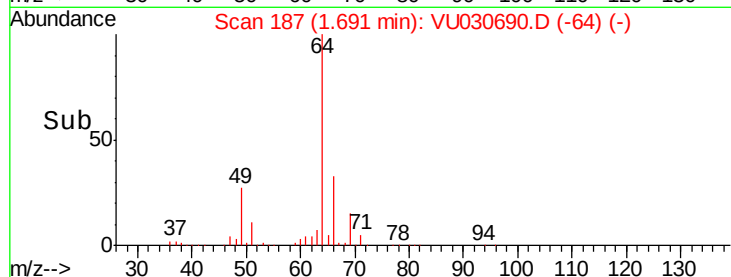
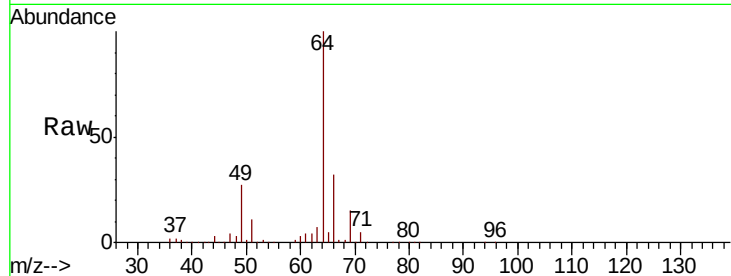




#8
Chloroethane
Concen: 89.709 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

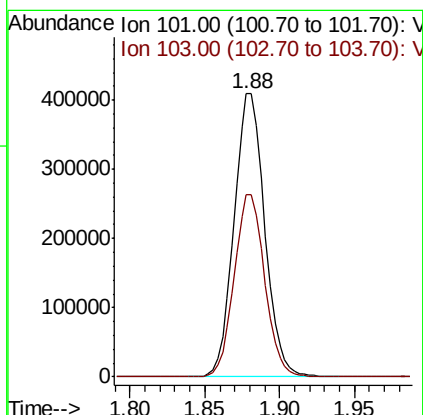
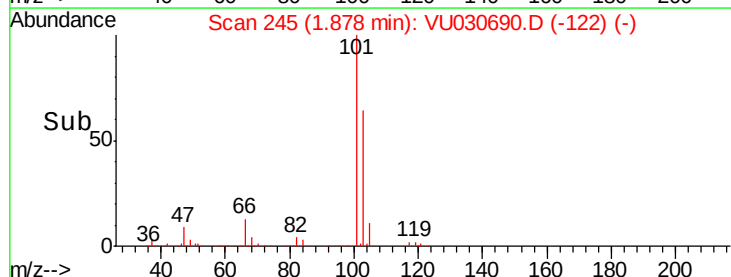
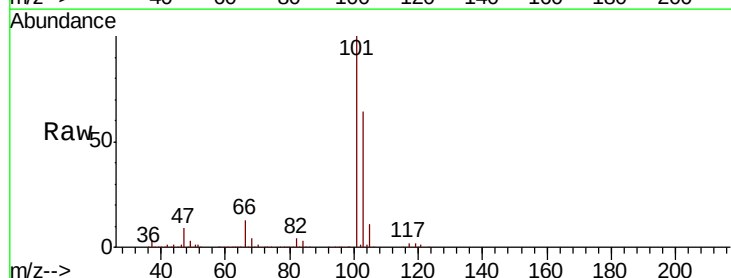
Instrument :
MSVOA_U
ClientSampleId :
VSTD10049

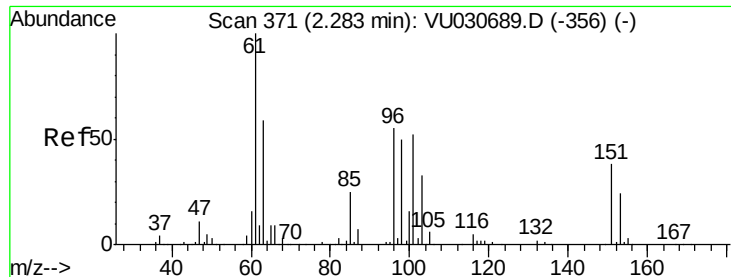
Tot Ion: 64 Resp: 283825
Ion Ratio Lower Upper
64 100
66 32.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 91.296 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

Tgt Ion:101 Resp: 585450
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8





#10

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

Concen: 90.912 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10049

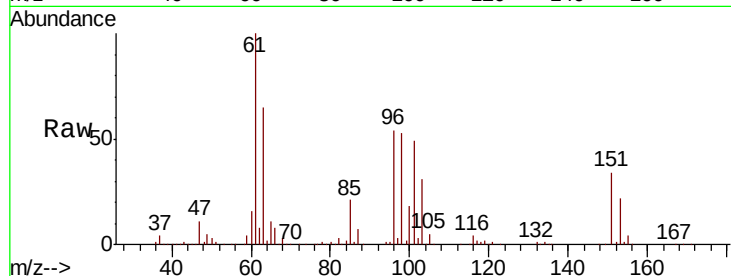
Tot Ion:101 Resp: 327202

Ion Ratio Lower Upper

101 100

85 43.6 36.8 55.2

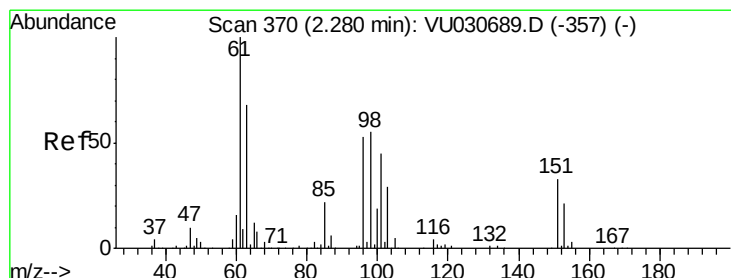
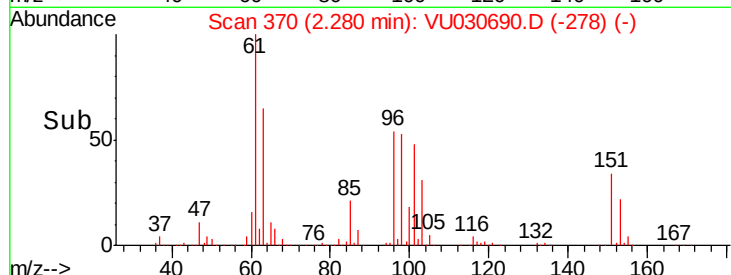
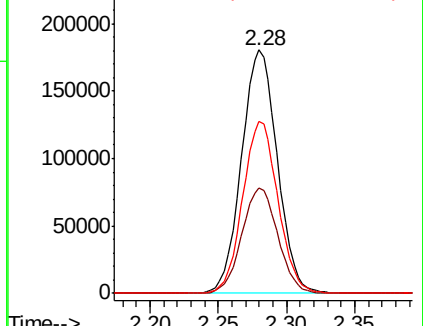
151 69.8 57.4 86.0



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: 93.874 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

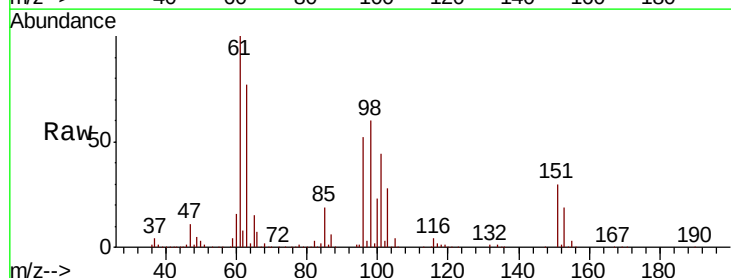
Tgt Ion: 96 Resp: 320547

Ion Ratio Lower Upper

96 100

61 191.3 132.0 245.2

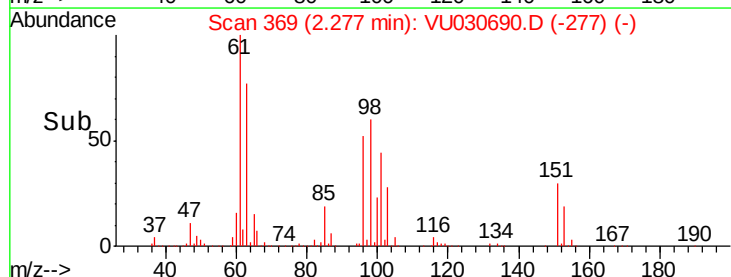
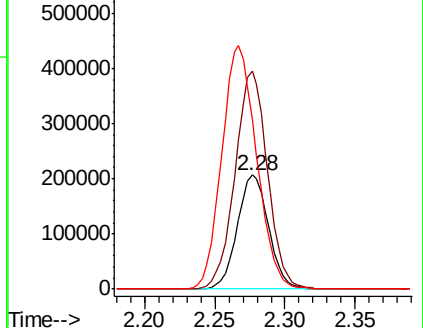
63 147.9 90.9 168.9

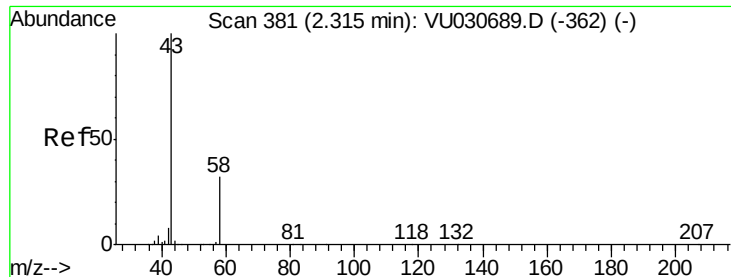


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 170.814 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

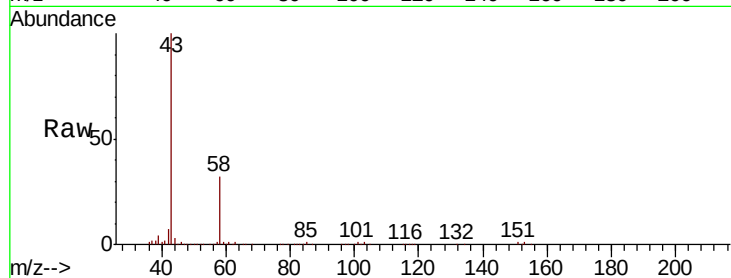
VSTD10049

Tot Ion: 43 Resp: 639636

Ion Ratio Lower Upper

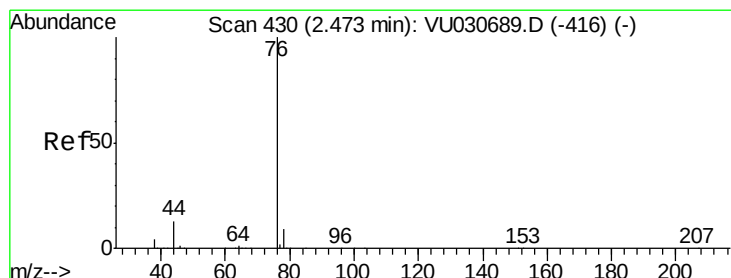
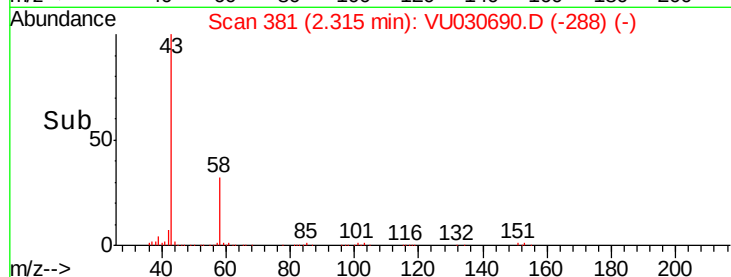
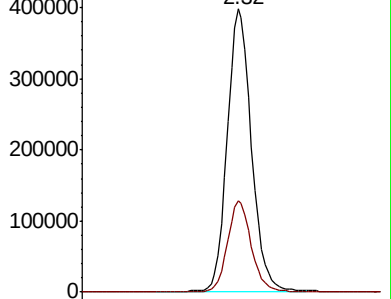
43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030689.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030689.D (-362) (-)



#14

Carbon disulfide

Concen: 93.046 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030690.D

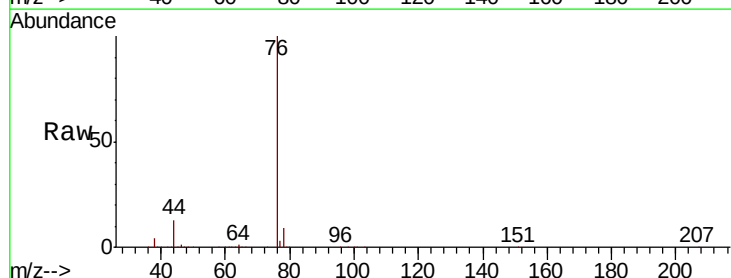
Acq: 04 Apr 2019 17:38

Tgt Ion: 76 Resp: 990179

Ion Ratio Lower Upper

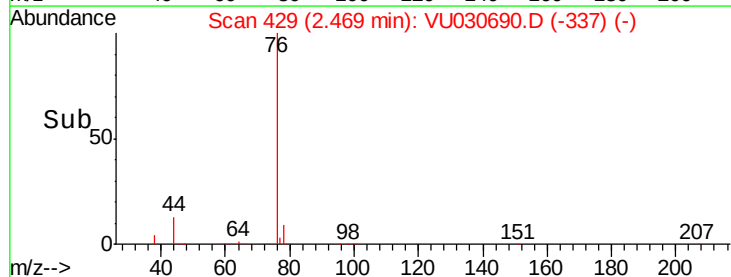
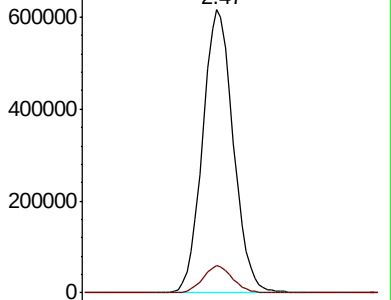
76 100

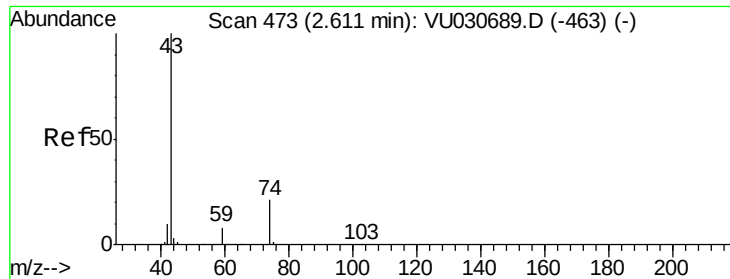
78 9.5 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030689.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030689.D (-416) (-)

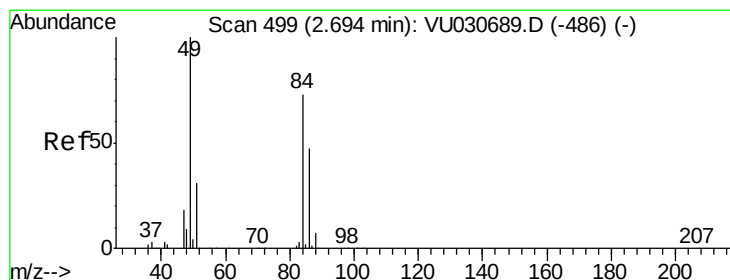
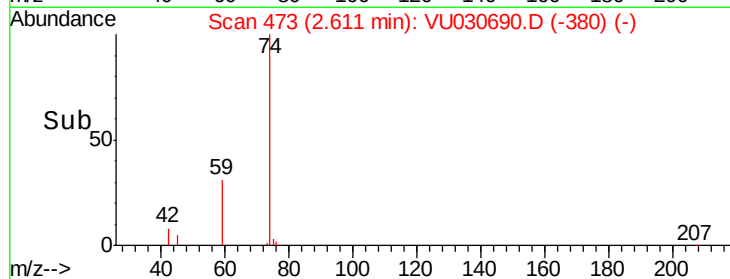
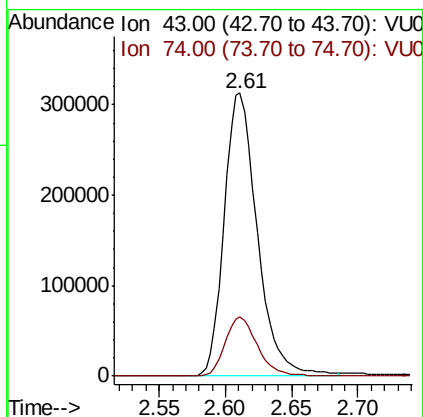
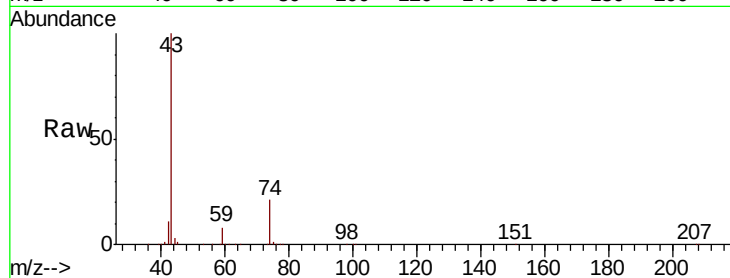




#15
Methyl Acetate
Concen: 100.130 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

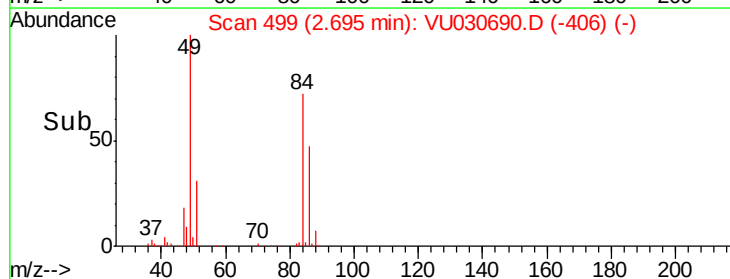
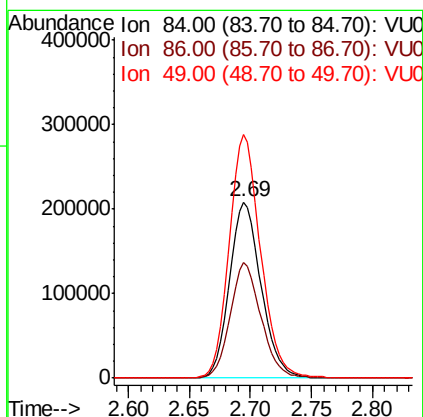
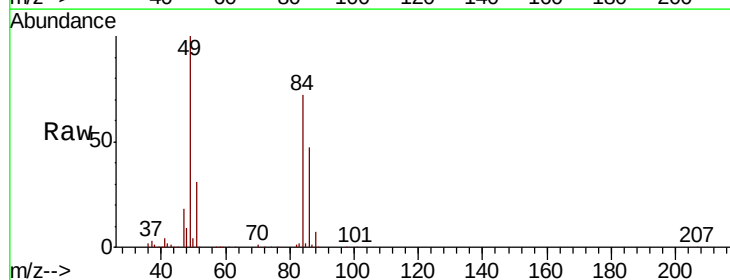
Instrument :
MSVOA_U
ClientSampled :
VSTD10049

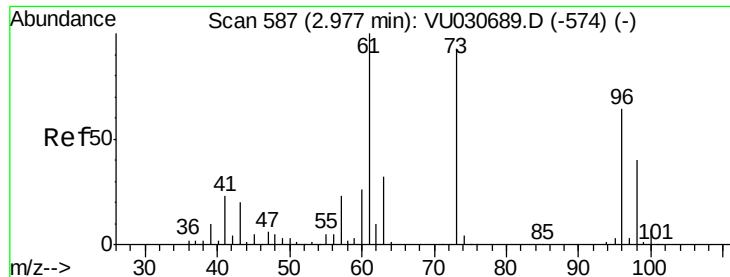
Tot Ion: 43 Resp: 540817
Ion Ratio Lower Upper
43 100
74 20.6 17.1 25.7



#16
Methylene chloride
Concen: 88.851 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

Tgt Ion: 84 Resp: 376899
Ion Ratio Lower Upper
84 100
86 65.4 45.1 83.7
49 138.2 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 89.944 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10049

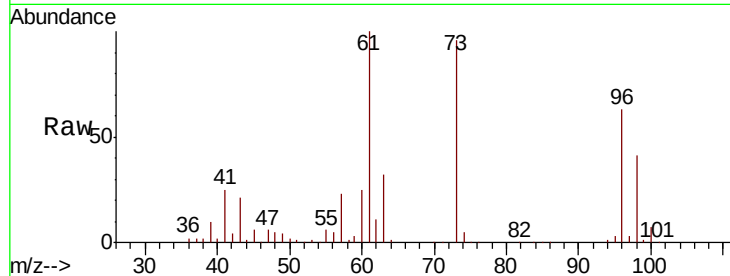
Tot Ion: 96 Resp: 331910

Ion Ratio Lower Upper

96 100

61 158.2 109.5 203.3

98 64.4 44.0 81.6

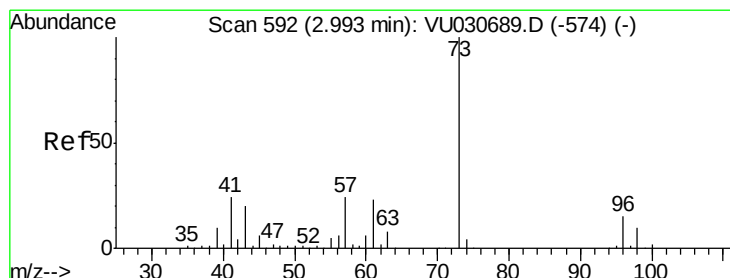
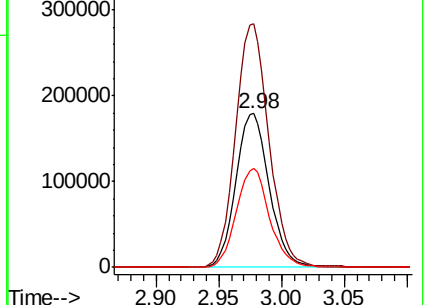
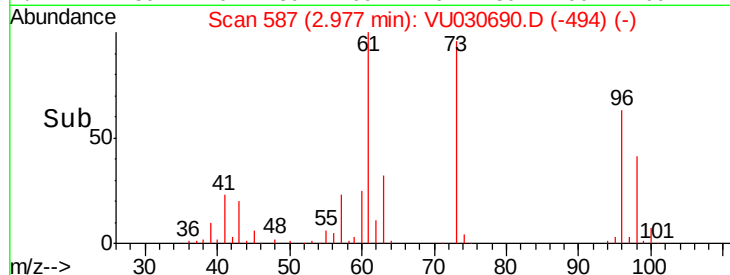


Abundance Ion 96.00 (95.70 to 96.70): VU030689.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030689.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030689.D (-574) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 96.185 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

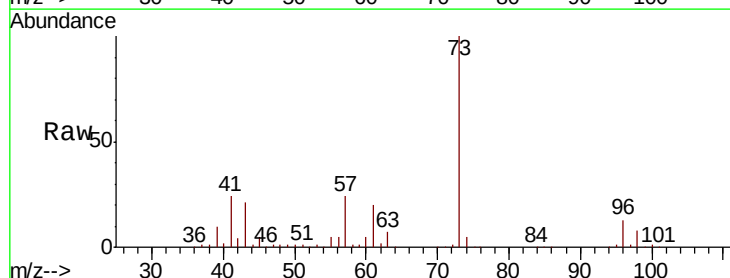
Tgt Ion: 73 Resp: 1154889

Ion Ratio Lower Upper

73 100

43 20.6 16.4 24.6

57 23.7 19.0 28.4

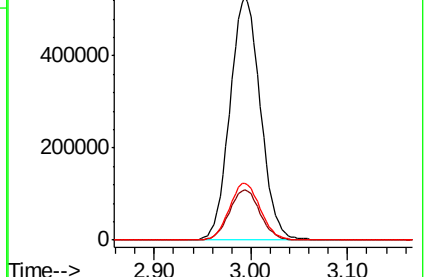
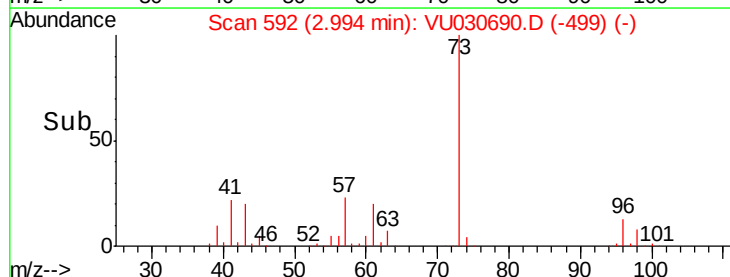


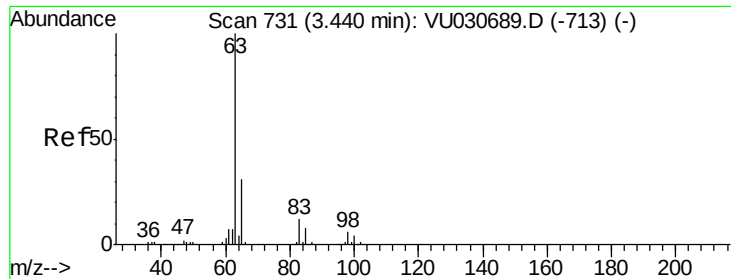
Abundance Ion 73.00 (72.70 to 73.70): VU030689.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU030689.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU030689.D (-574) (-)

Time-->

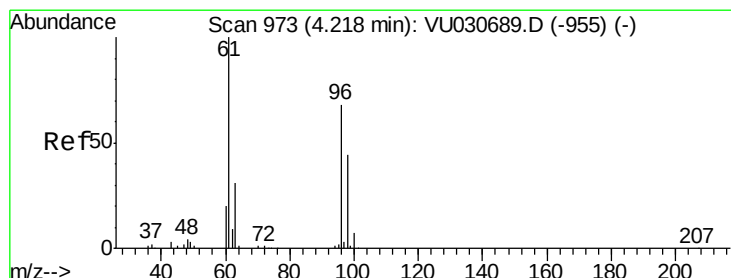
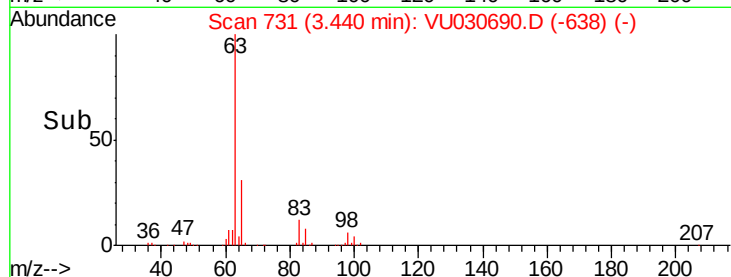
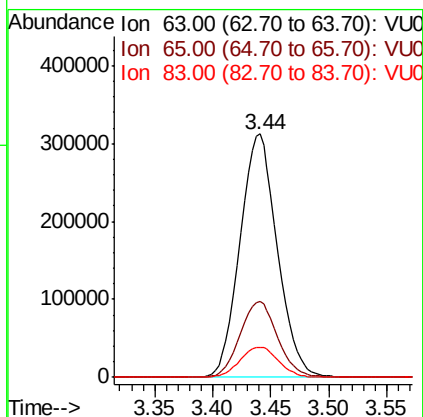
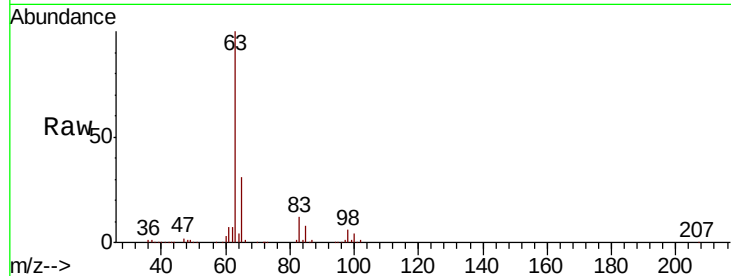




#19
 1,1-Dichloroethane
 Concen: 93.000 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

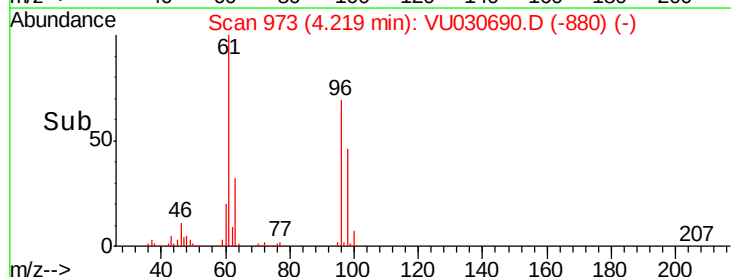
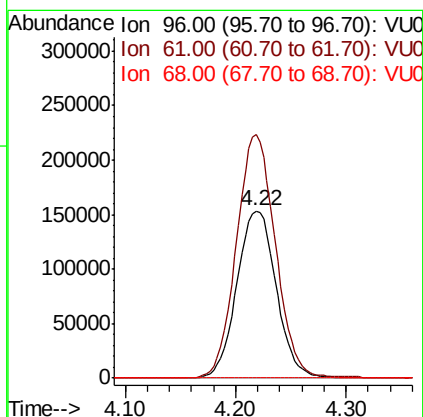
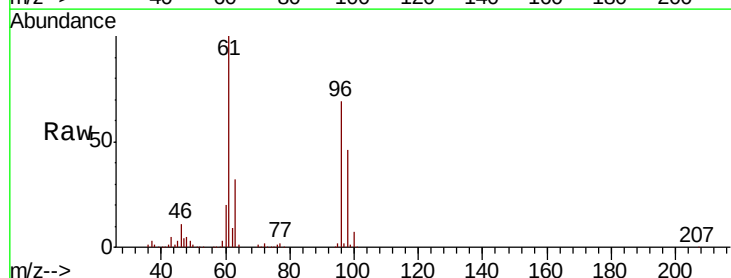
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

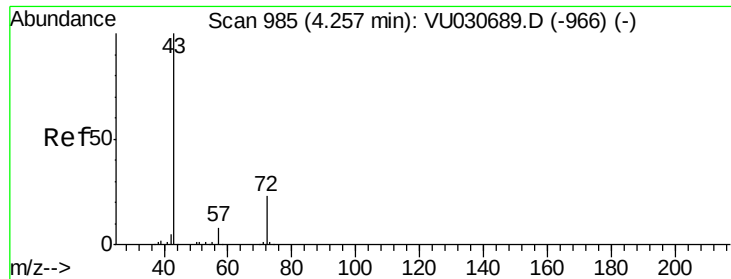
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.4	39.8
83	12.5	8.5	15.7



#20
 cis-1,2-Dichloroethene
 Concen: 95.431 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.9	102.9	191.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 215.239 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

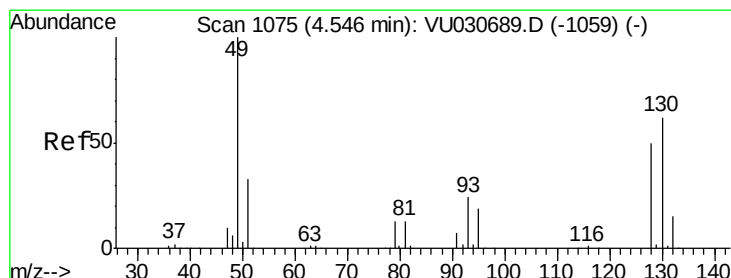
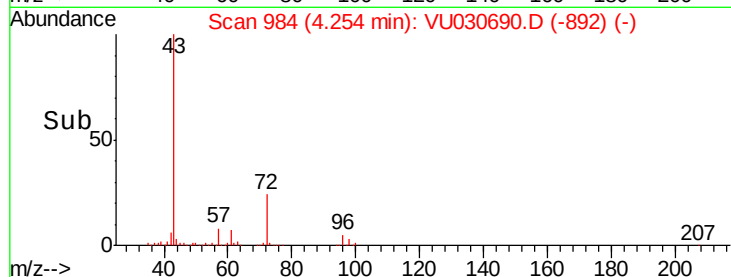
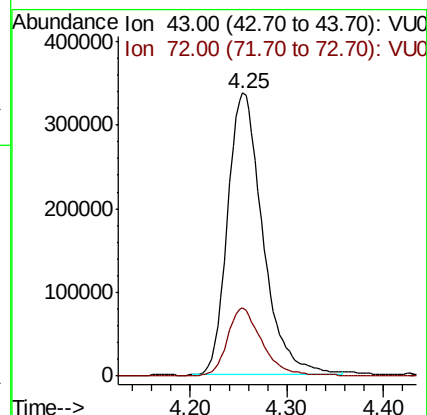
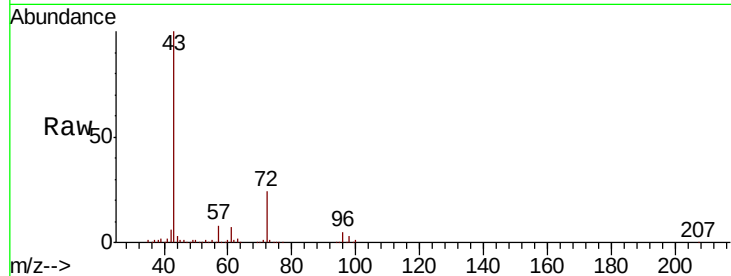
VSTD10049

Tot Ion: 43 Resp: 854019

Ion Ratio Lower Upper

43 100

72 24.2 10.8 32.4



#23

Bromochloromethane

Concen: 96.547 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Tgt Ion: 128 Resp: 180452

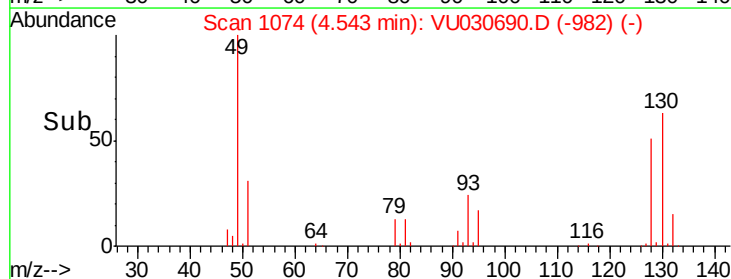
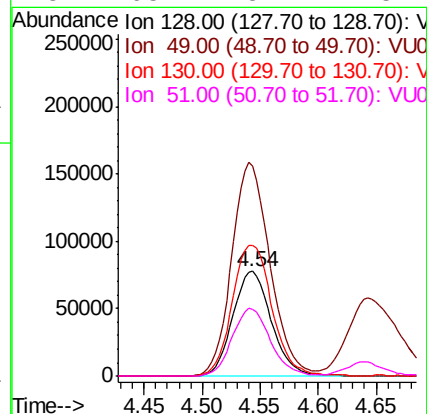
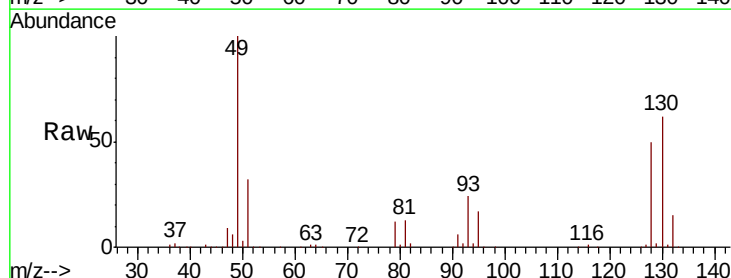
Ion Ratio Lower Upper

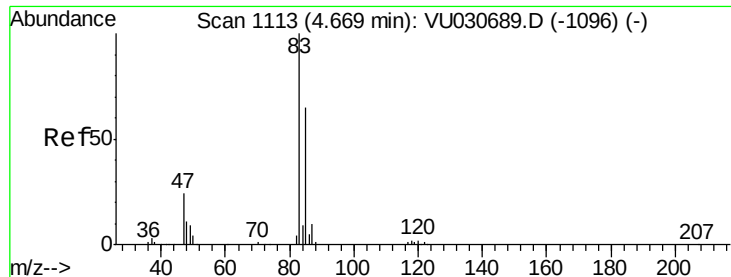
128 100

49 200.9 139.9 259.7

130 124.8 86.6 160.8

51 63.7 52.2 78.4

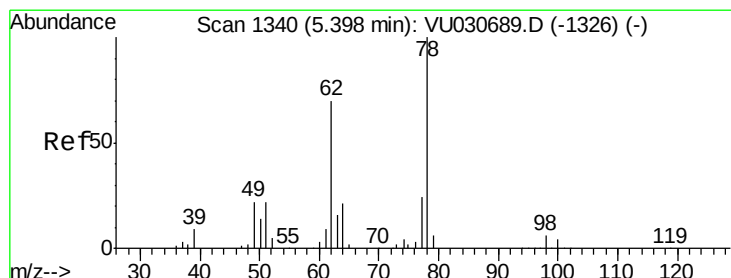
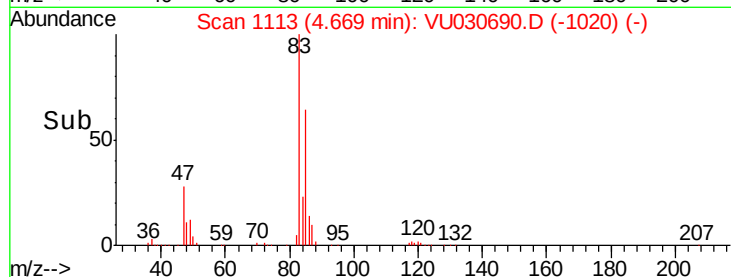
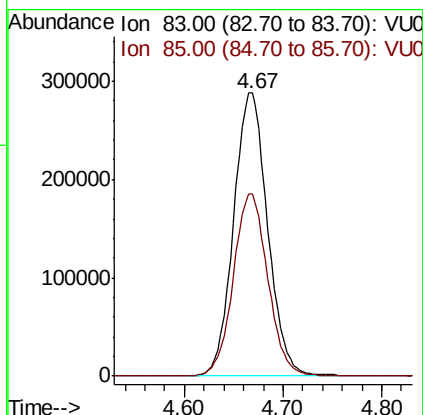
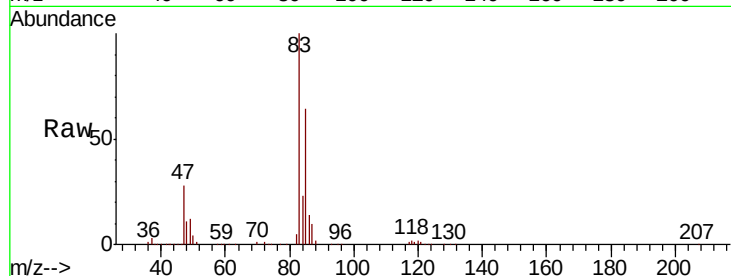




#25
Chloroform
Concen: 89.846 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

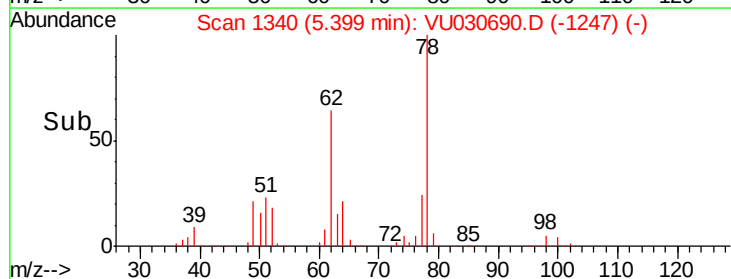
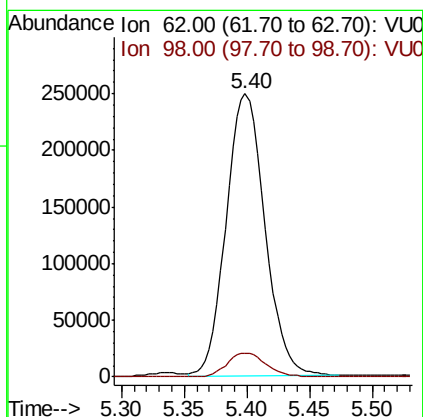
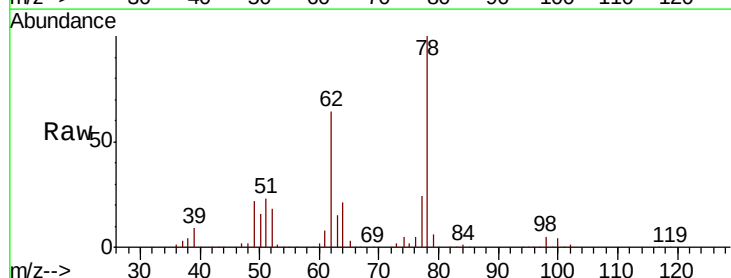
Instrument :
MSVOA_U
ClientSampleId :
VSTD10049

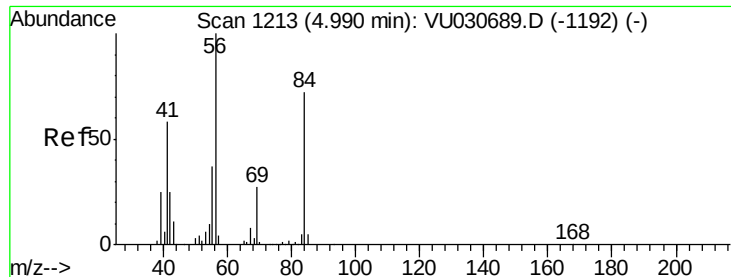
Tot Ion: 83 Resp: 690137
Ion Ratio Lower Upper
83 100
85 64.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 92.763 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

Tgt Ion: 62 Resp: 533947
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8





#29

Cyclohexane

Concen: 100.640 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

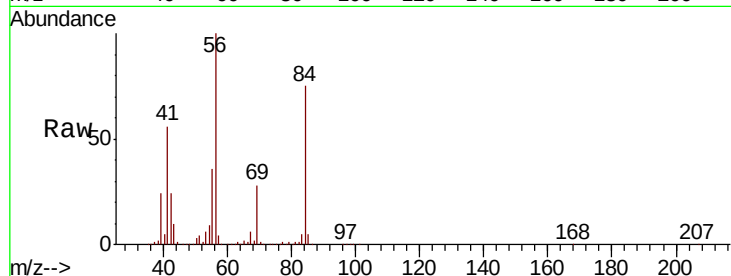
Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :
MSVOA_U
ClientSampled :
VSTD10049

Tot Ion: 56 Resp: 663100

Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.0	33.0
84	73.8	58.2	87.2

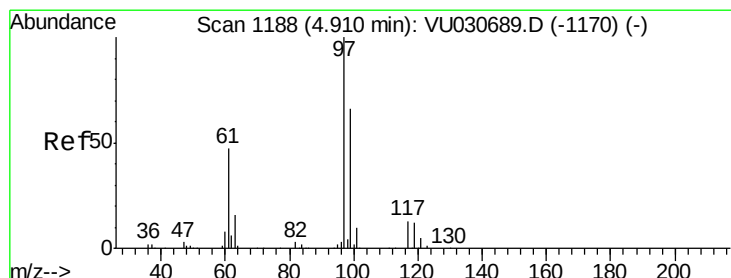
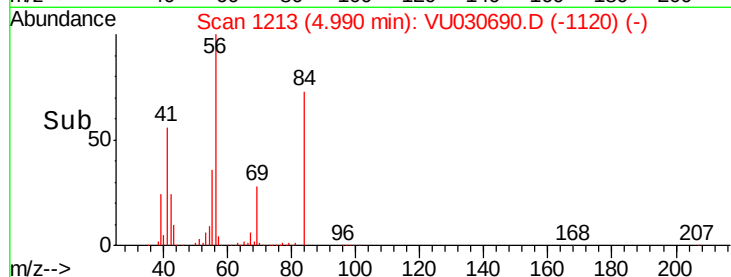
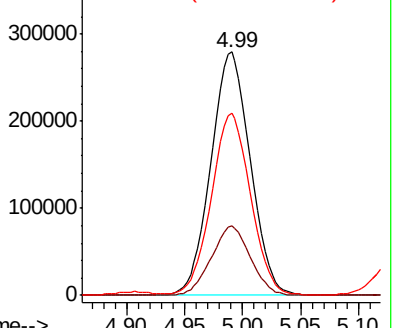


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 95.252 ug/L

RT: 4.91 min Scan# 1188

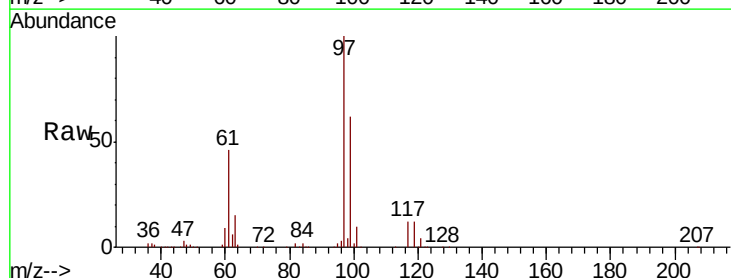
Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Tgt Ion: 97 Resp: 550572

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	46.6	37.1	55.7

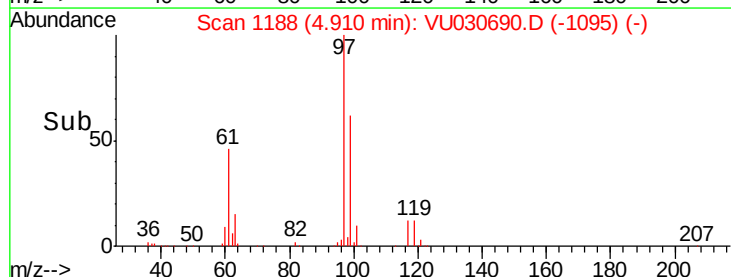
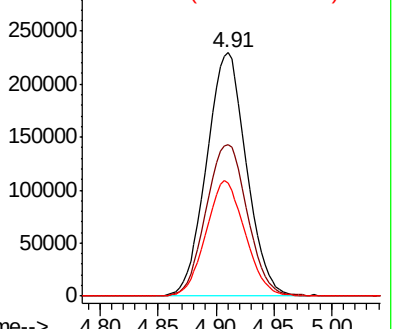


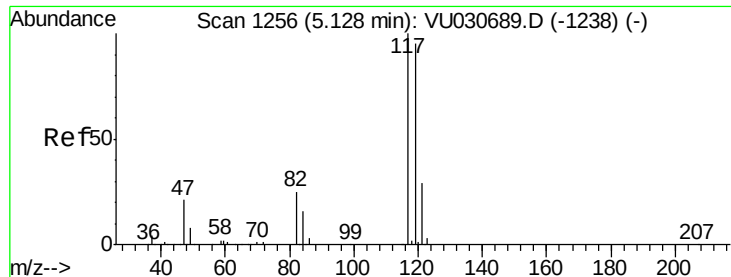
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

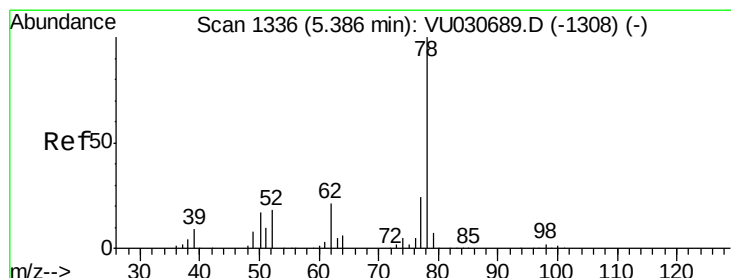
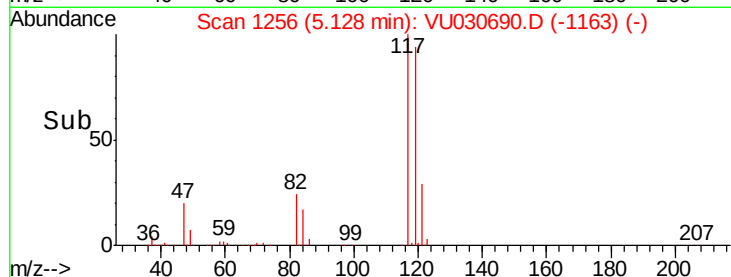
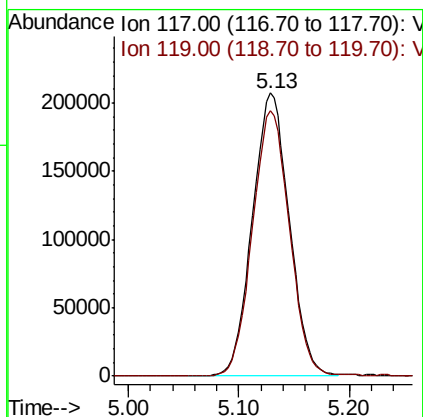
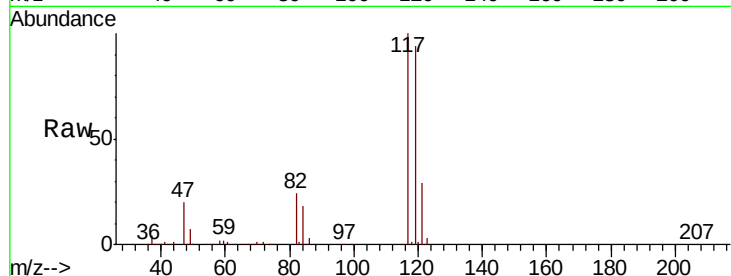




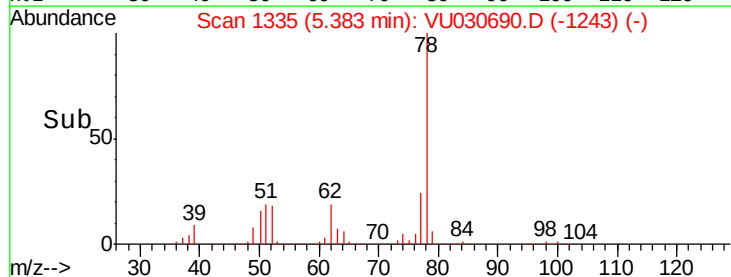
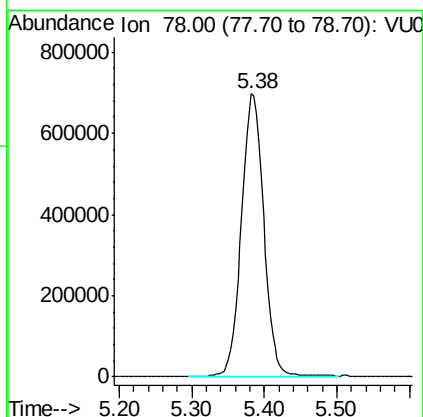
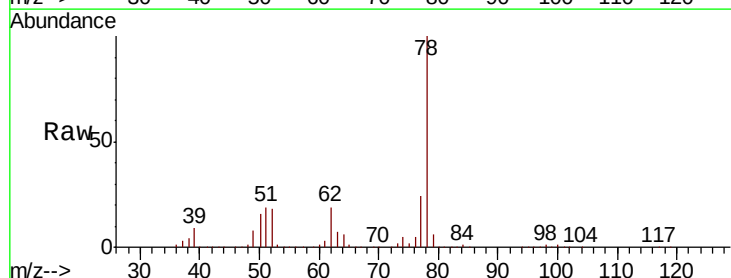
#31
Carbon tetrachloride
Concen: 96.584 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

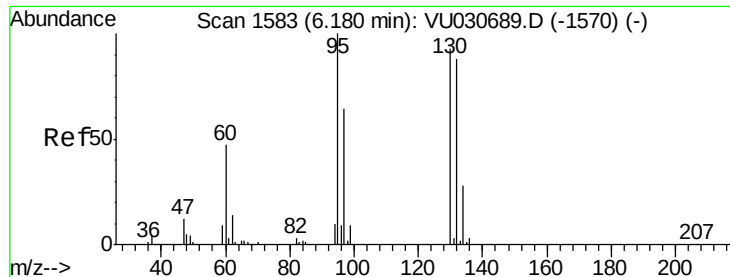
Instrument :
MSVOA_U
ClientSampleId :
VSTD10049

Tot Ion:117 Resp: 479912
Ion Ratio Lower Upper
117 100
119 94.3 76.2 114.2



#33
Benzene
Concen: 98.052 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38
Tgt Ion: 78 Resp: 1507586

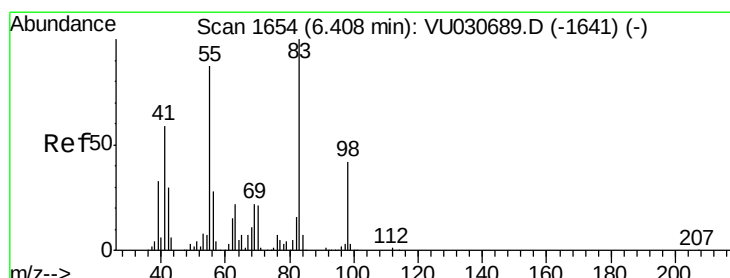
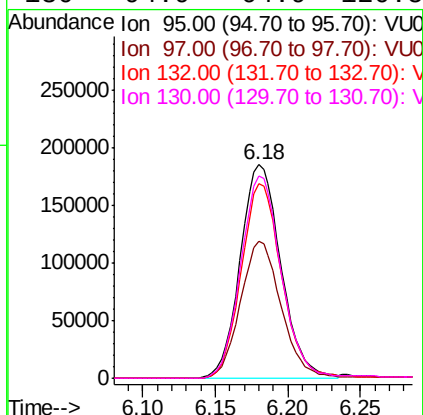
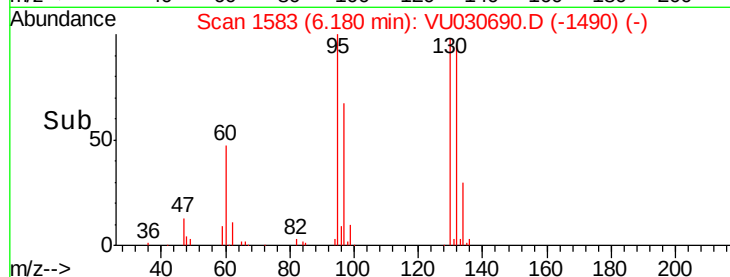
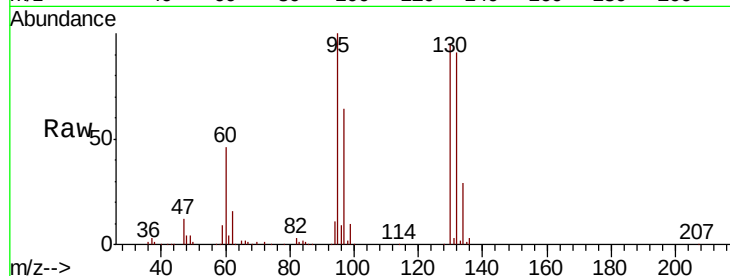




#34
 Trichloroethene
 Concen: 95.823 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

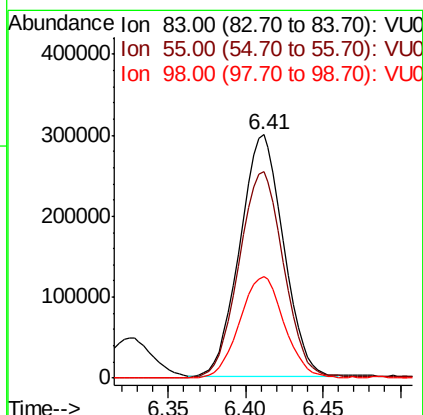
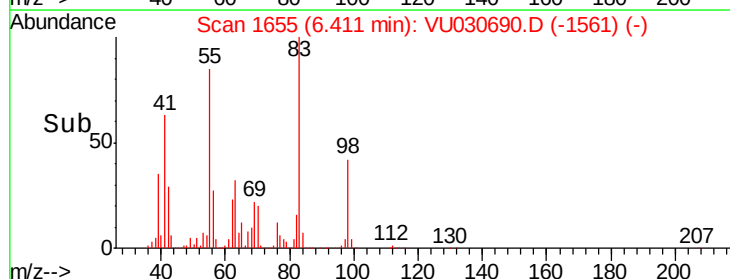
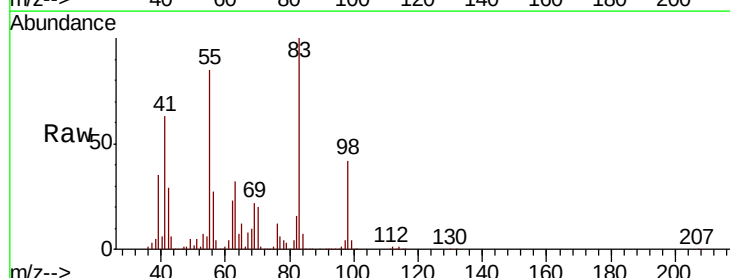
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

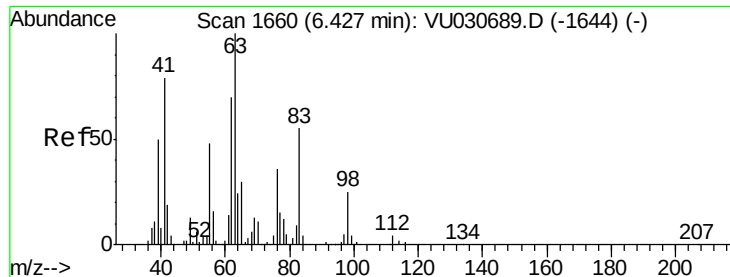
Tot Ion: 95 Resp: 362622
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.5 82.7
 132 91.4 61.5 114.1
 130 94.9 64.9 120.5



#35
 Methylcyclohexane
 Concen: 103.414 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion: 83 Resp: 586331
 Ion Ratio Lower Upper
 83 100
 55 87.7 71.6 107.4
 98 43.1 35.4 53.0

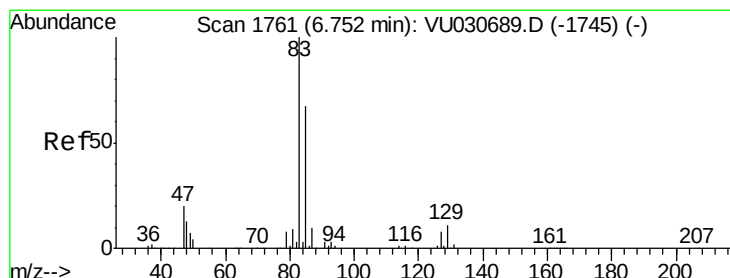
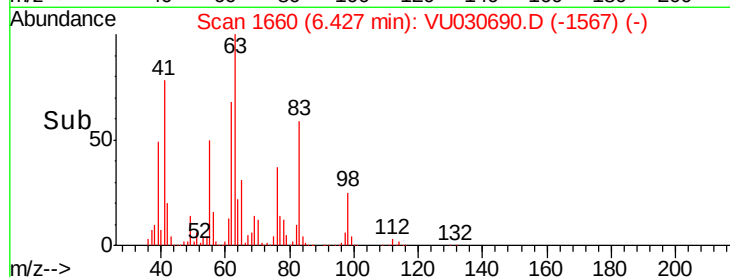
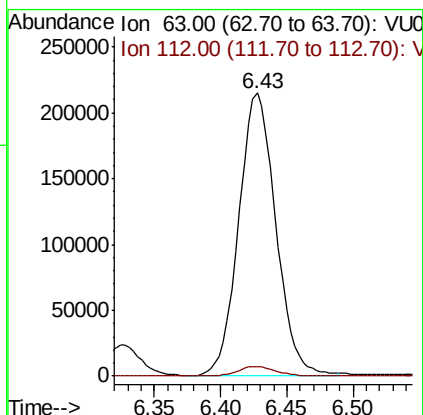
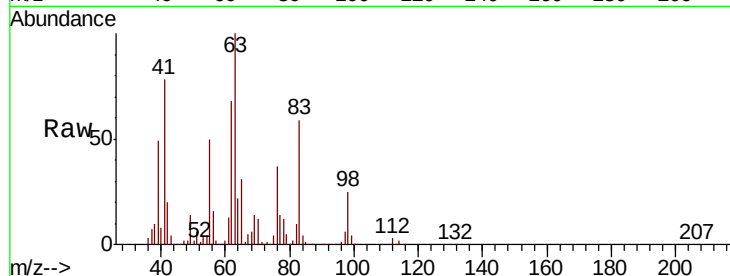




#37
 1,2-Dichloropropane
 Concen: 95.316 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

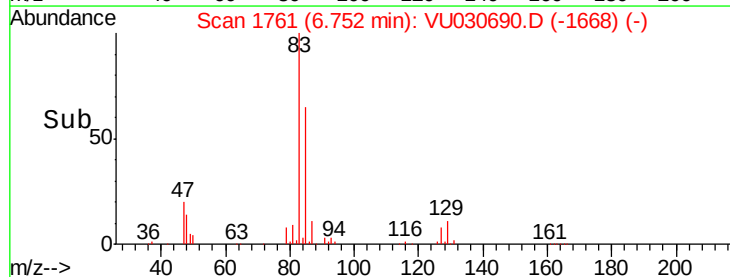
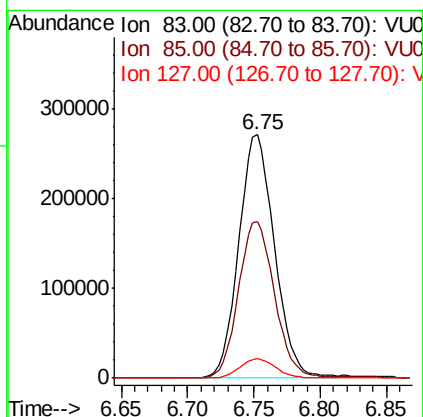
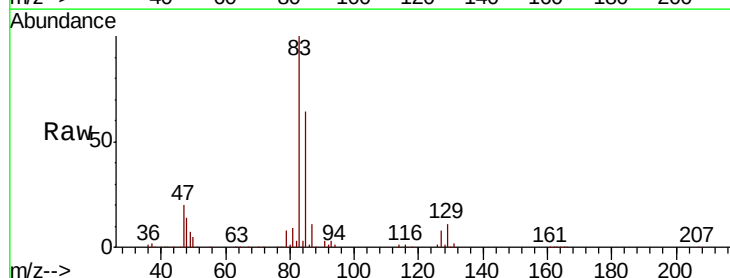
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

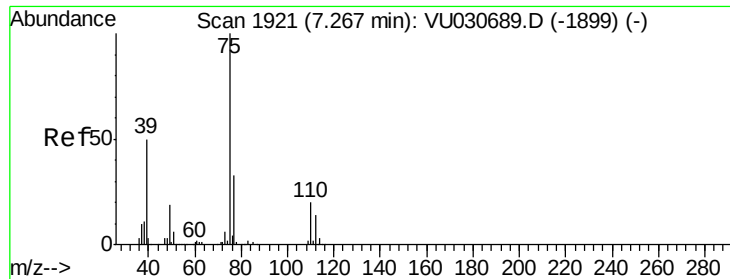
Tot Ion: 63 Resp: 418035
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 96.405 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion: 83 Resp: 507078
 Ion Ratio Lower Upper
 83 100
 85 64.2 46.5 86.3
 127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 112.177 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

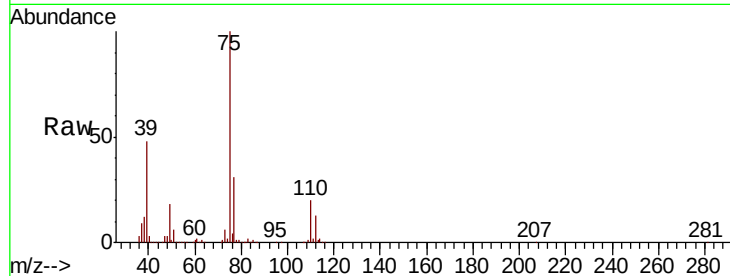
VSTD10049

Tot Ion: 75 Resp: 654538

Ion Ratio Lower Upper

75 100

77 31.2 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU030689.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU030689.D (-1899) (-)

7.26

400000

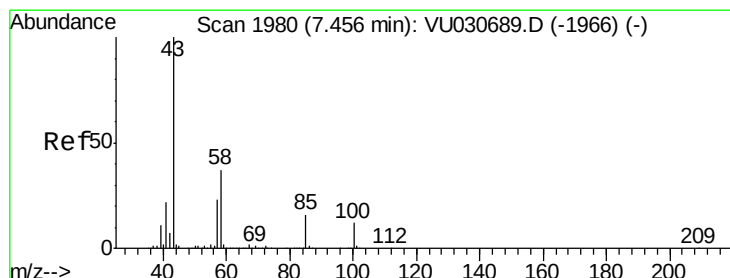
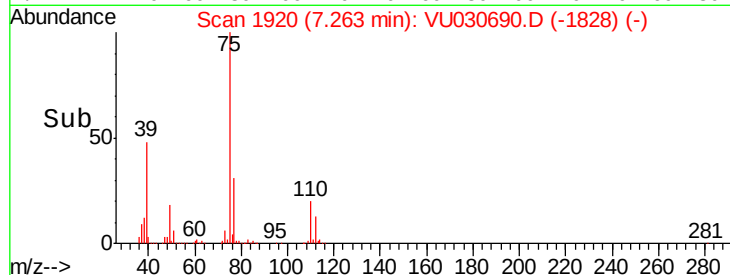
300000

200000

100000

0

Time--> 7.10 7.20 7.30 7.40



#40

4-Methyl-2-pentanone

Concen: 217.392 ug/L

RT: 7.45 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

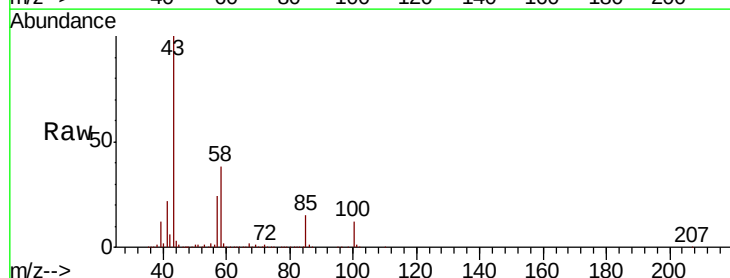
Tgt Ion: 43 Resp: 1452195

Ion Ratio Lower Upper

43 100

58 37.8 29.7 44.5

100 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VU030689.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU030689.D (-1966) (-)

Ion 100.00 (99.70 to 100.70): VU030689.D (-1966) (-)

7.45

1000000

800000

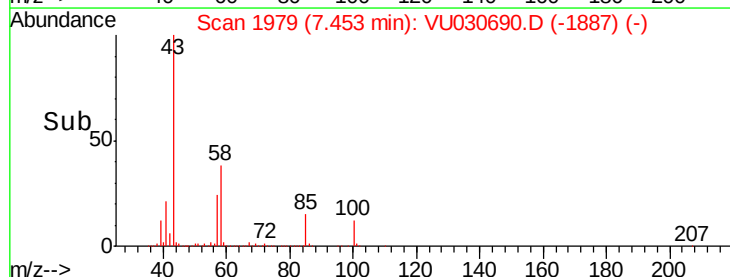
600000

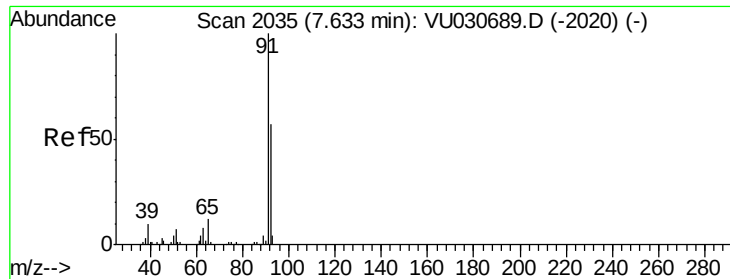
400000

200000

0

Time--> 7.40 7.50





#42

Toluene

Concen: 100.062 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

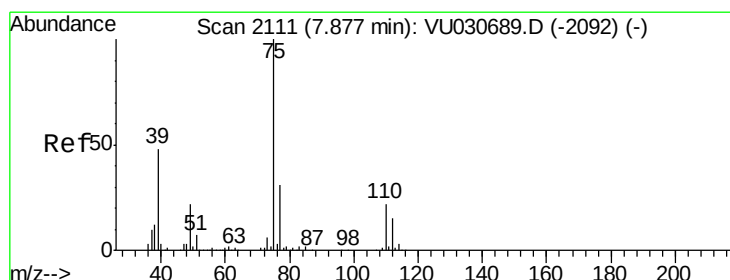
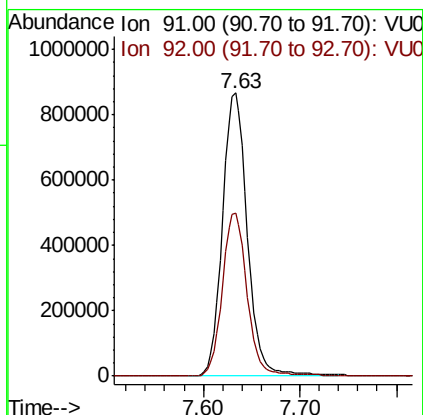
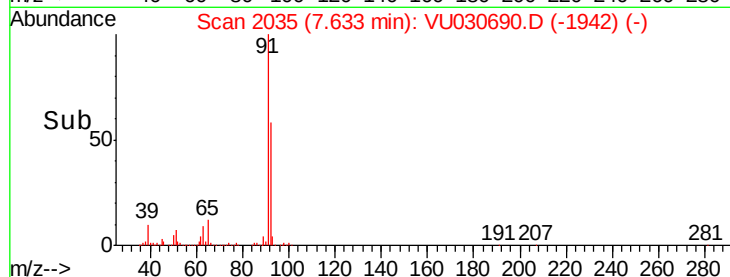
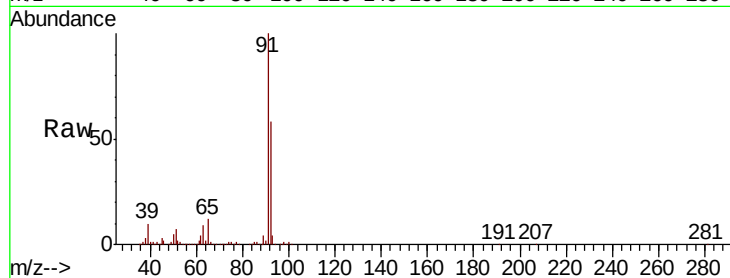
VSTD10049

Tot Ion: 91 Resp: 1551496

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 109.559 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030690.D

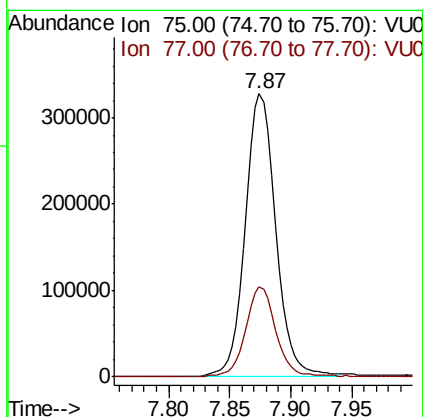
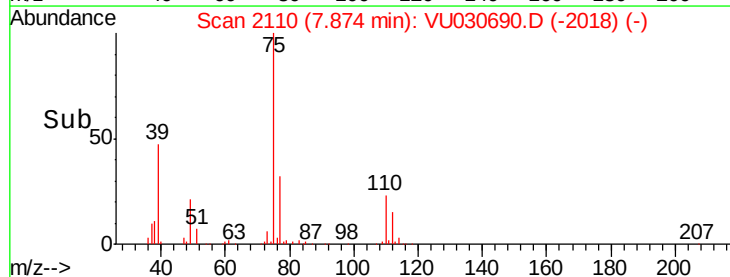
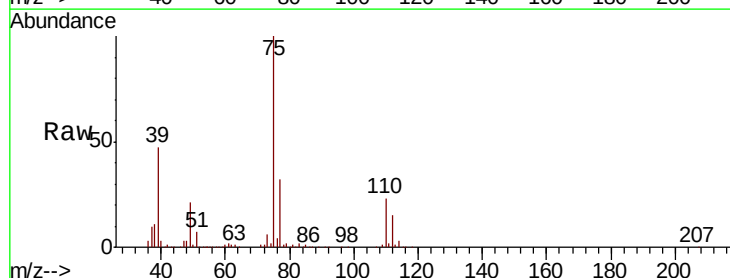
Acq: 04 Apr 2019 17:38

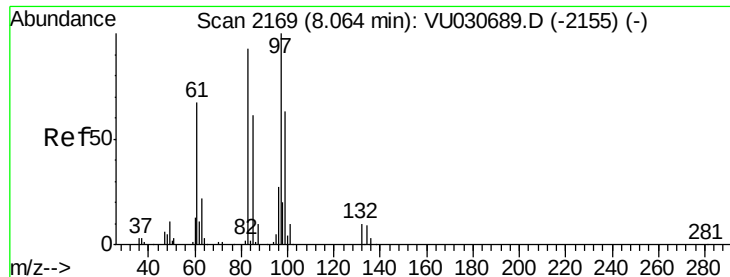
Tgt Ion: 75 Resp: 565871

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 97.897 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10049

Tot Ion: 97 Resp: 361898

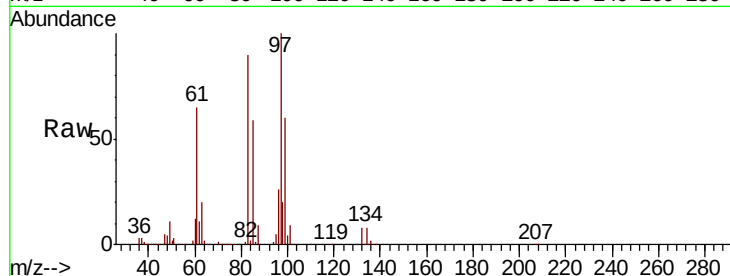
Ion Ratio Lower Upper

97 100

99 60.2 44.0 81.8

83 90.4 65.3 121.3

85 59.2 42.5 78.9

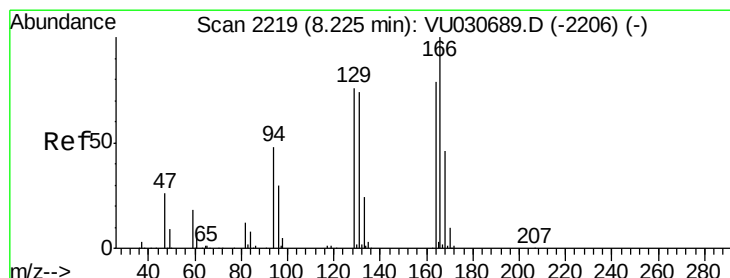
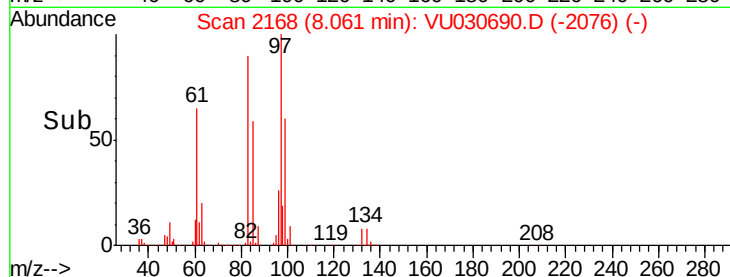
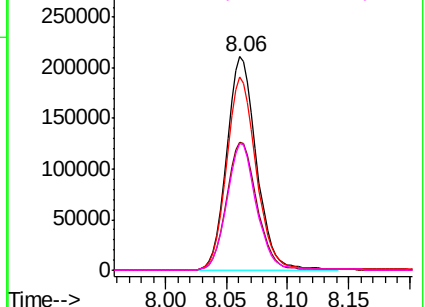


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 93.954 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Tgt Ion: 164 Resp: 261343

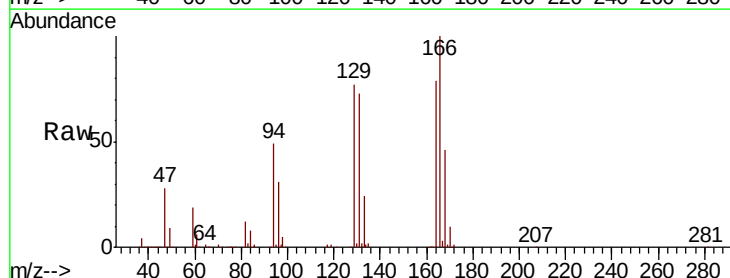
Ion Ratio Lower Upper

164 100

129 97.6 67.4 125.2

131 93.4 65.9 122.5

166 127.4 88.6 164.6

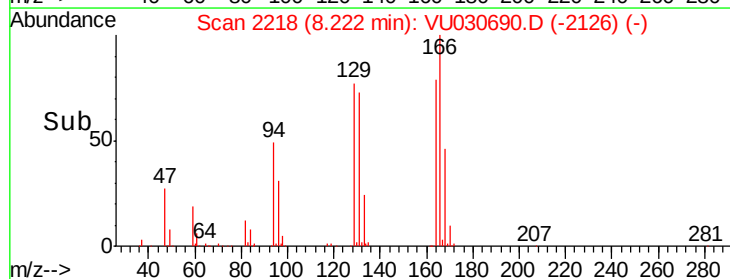
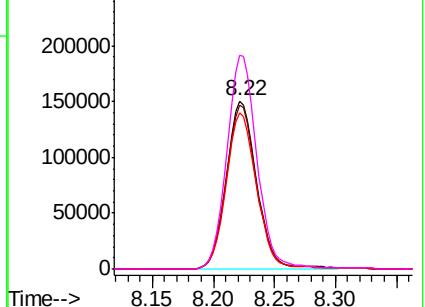


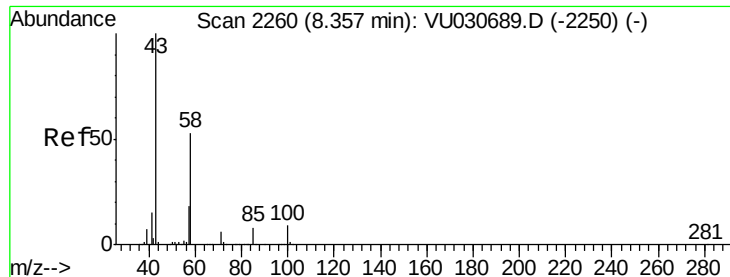
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

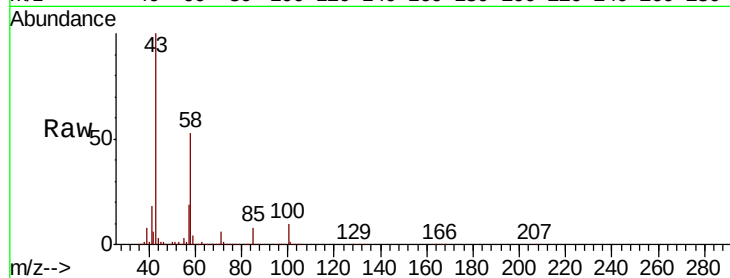




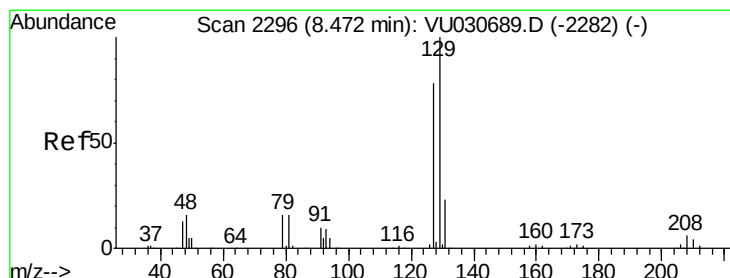
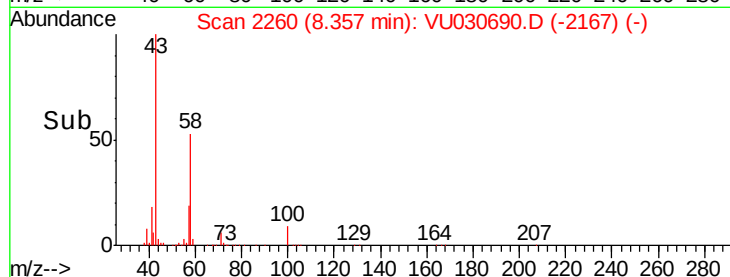
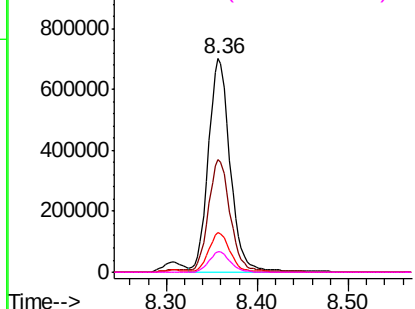
#48
2-Hexanone
Concen: 226.579 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD10049

Tot Ion: 43 Resp: 1163369
Ion Ratio Lower Upper
43 100
58 52.4 41.9 62.9
57 18.2 14.3 21.5
100 9.5 7.1 10.7

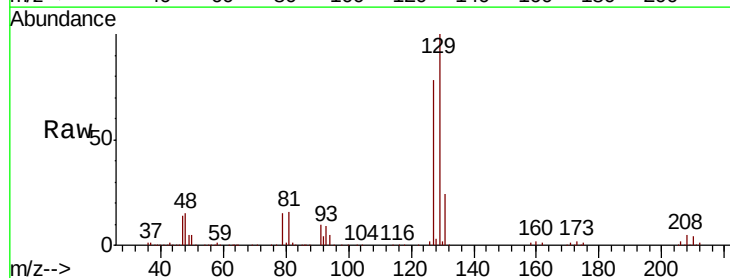


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

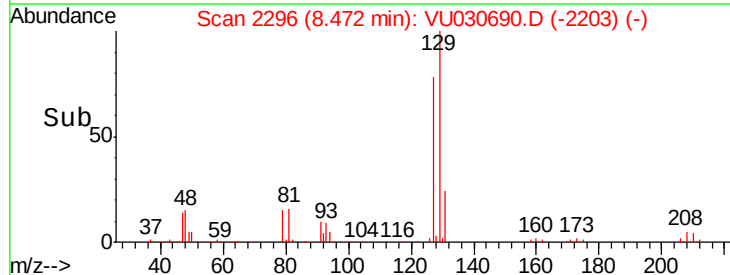
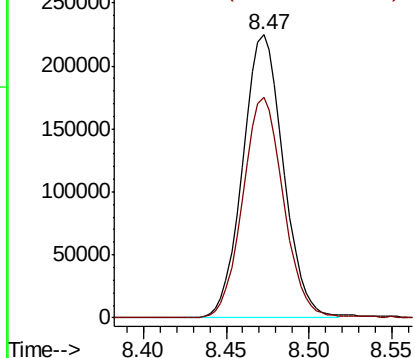


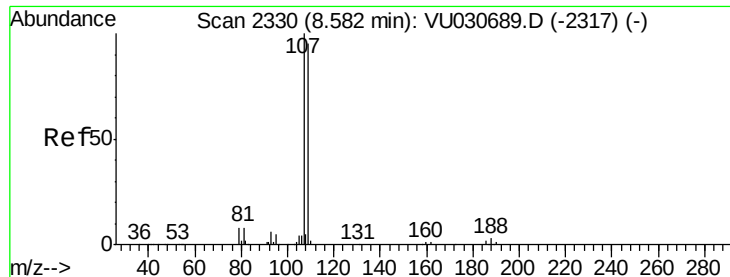
#49
Dibromochloromethane
Concen: 98.713 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030690.D
Acq: 04 Apr 2019 17:38

Tgt Ion: 129 Resp: 383214
Ion Ratio Lower Upper
129 100
127 77.8 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

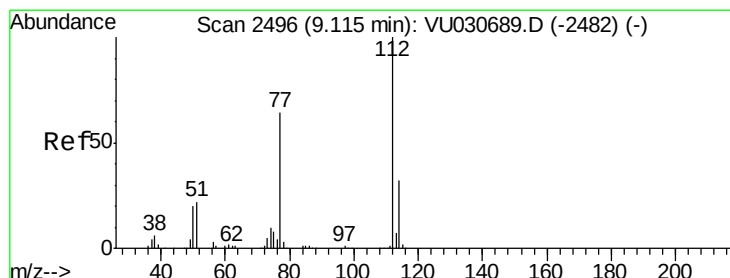
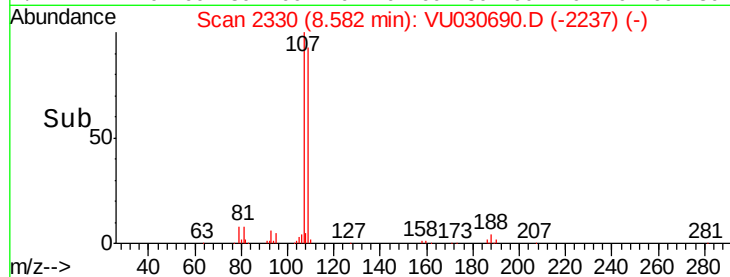
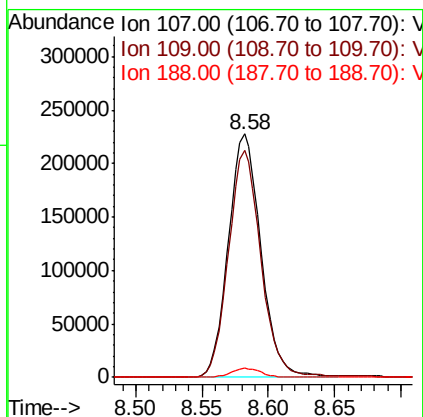
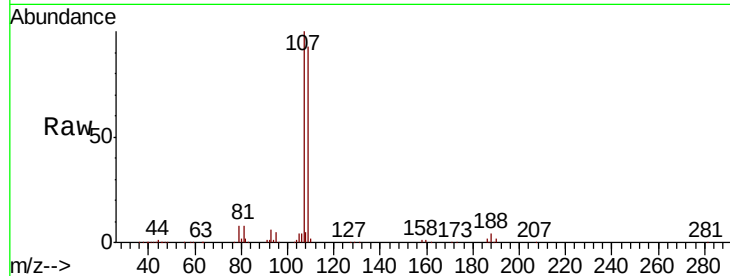




#50
 1,2-Dibromoethane
 Concen: 97.763 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

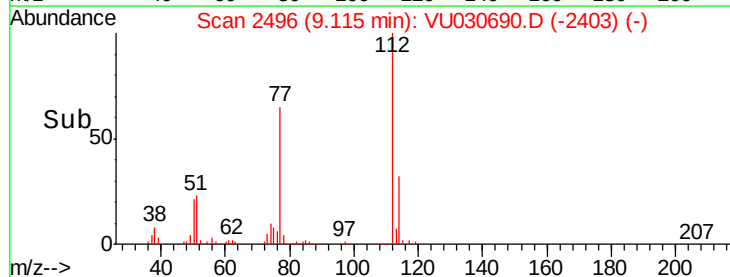
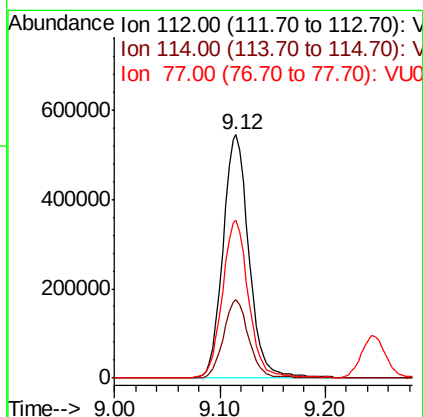
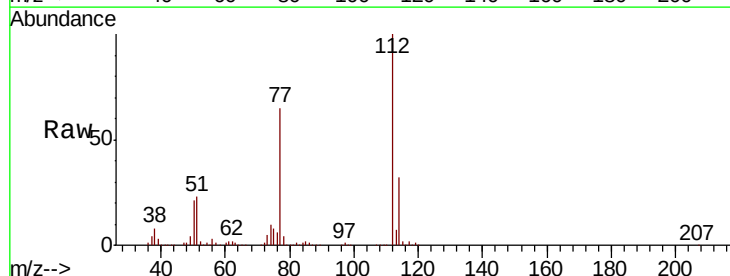
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

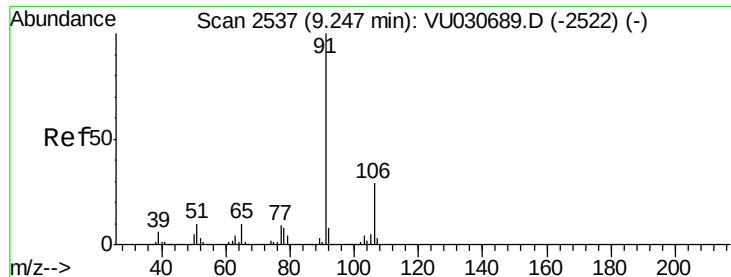
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.4	123.2
188	3.6	2.6	4.0



#51
 Chlorobenzene
 Concen: 95.970 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	64.7	51.7	77.5





#52

Ethylbenzene

Concen: 100.791 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

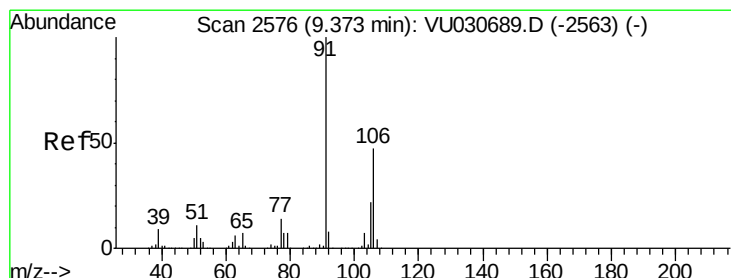
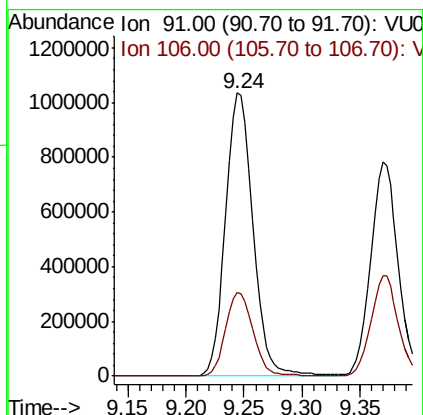
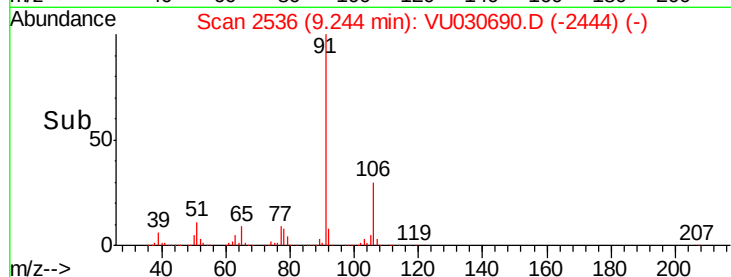
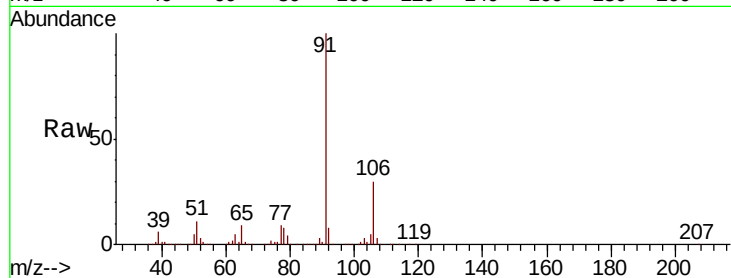
VSTD10049

Tot Ion: 91 Resp: 1694991

Ion Ratio Lower Upper

91 100

106 29.7 20.4 37.8



#53

m,p-Xylene

Concen: 106.479 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030690.D

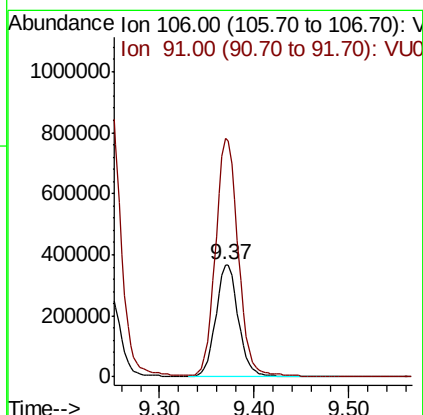
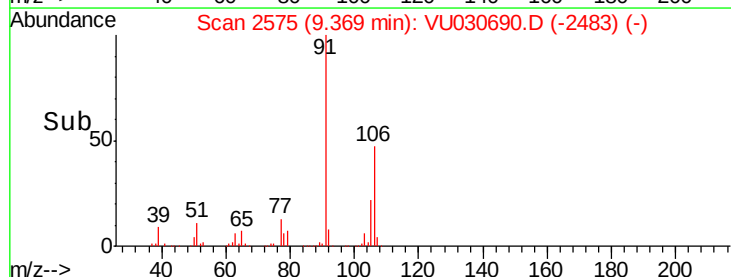
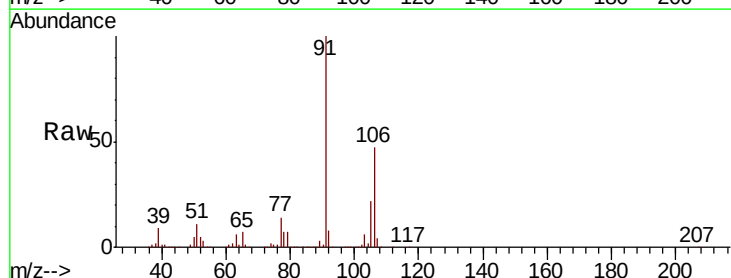
Acq: 04 Apr 2019 17:38

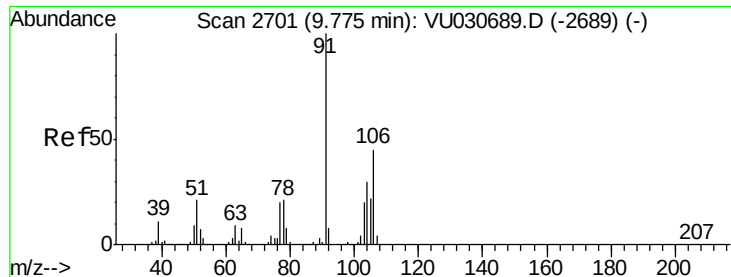
Tgt Ion: 106 Resp: 611134

Ion Ratio Lower Upper

106 100

91 212.4 148.0 274.8





#54

o-xylene

Concen: 103.891 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

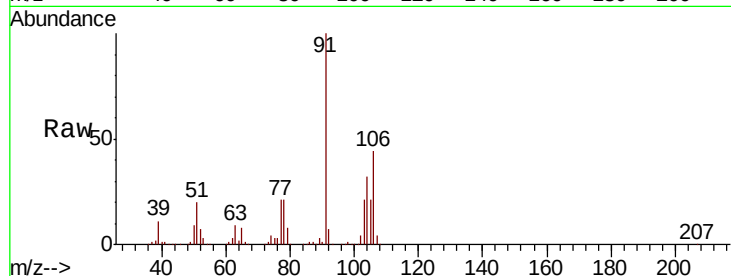
VSTD10049

Tot Ion:106 Resp: 599248

Ion Ratio Lower Upper

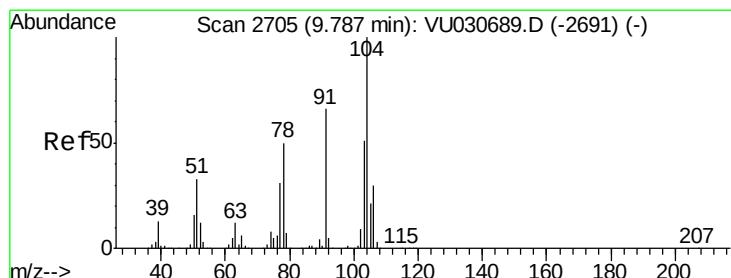
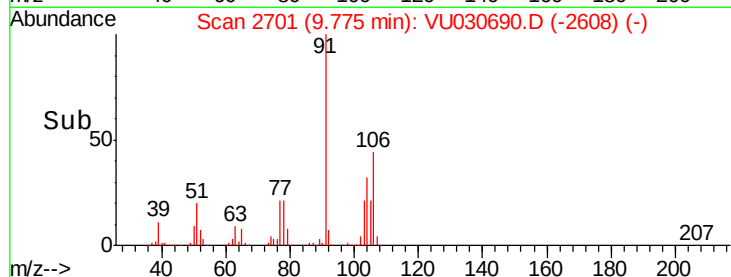
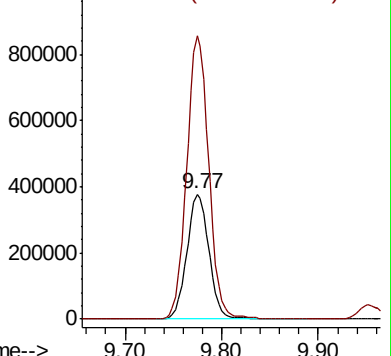
106 100

91 226.2 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 108.092 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030690.D

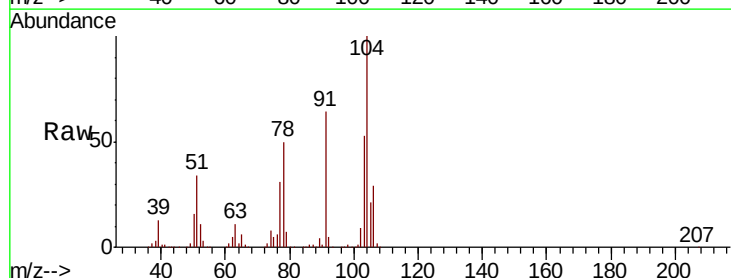
Acq: 04 Apr 2019 17:38

Tgt Ion:104 Resp: 1050310

Ion Ratio Lower Upper

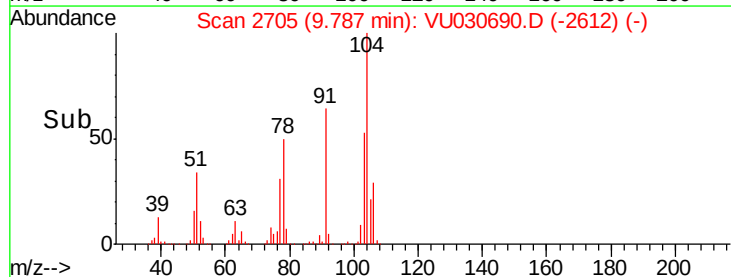
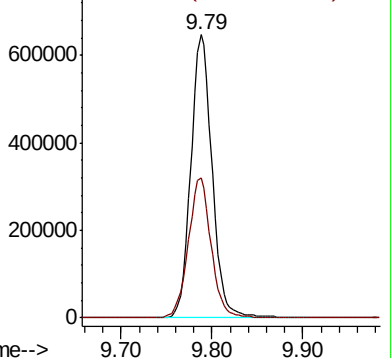
104 100

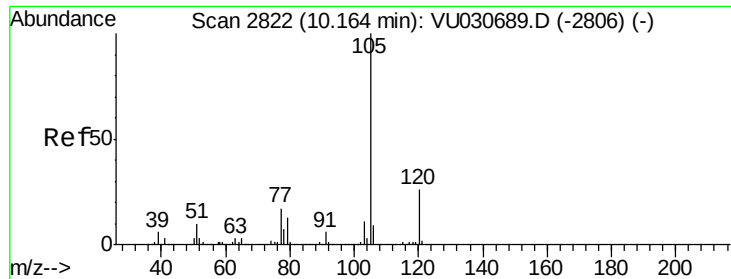
78 49.6 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 104.501 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10049

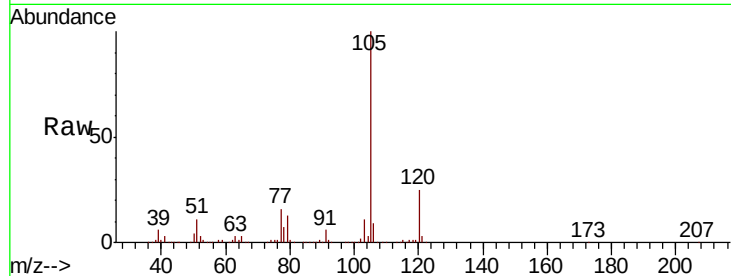
Tot Ion:105 Resp: 1583220

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

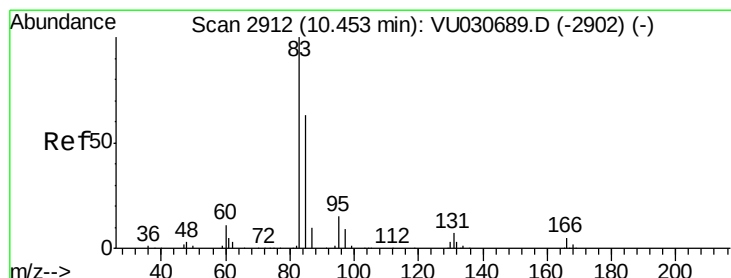
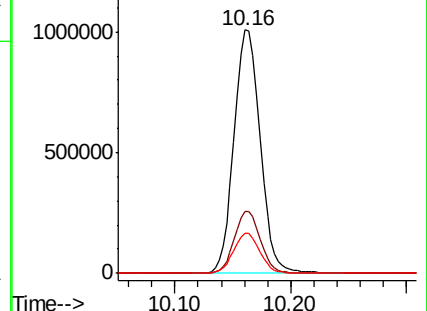
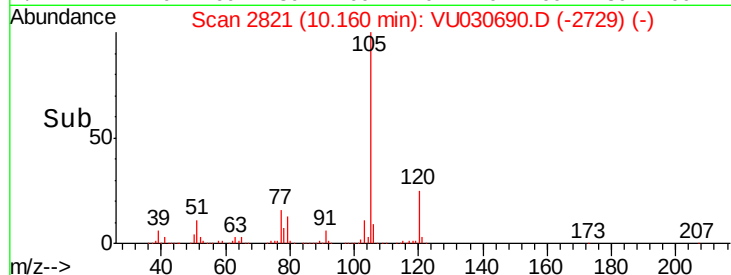
77 16.6 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 97.007 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

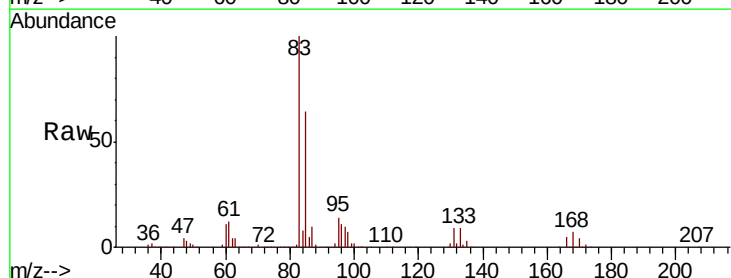
Tgt Ion: 83 Resp: 648064

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

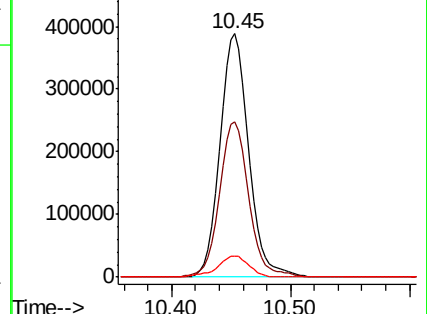
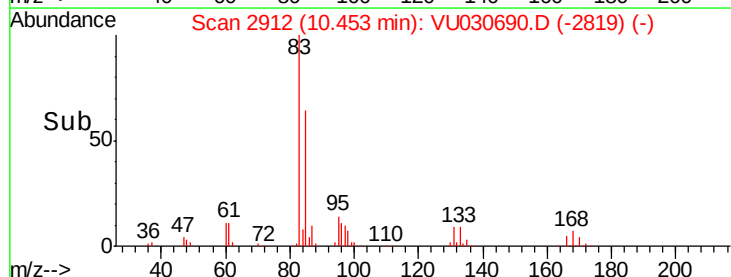
131 8.8 6.7 10.1

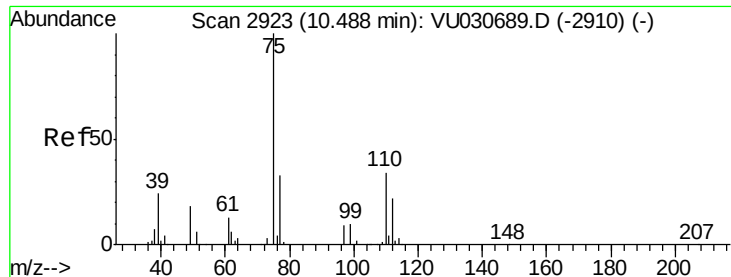


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

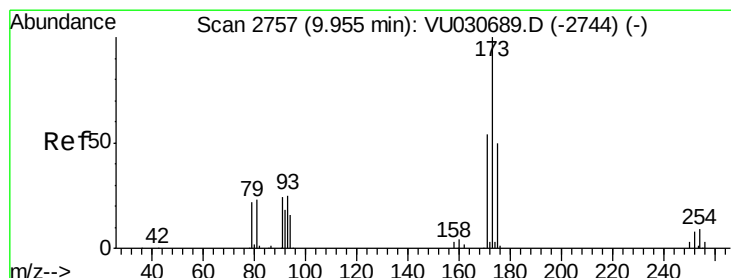
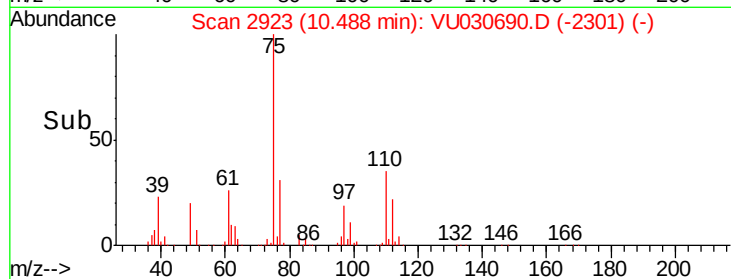
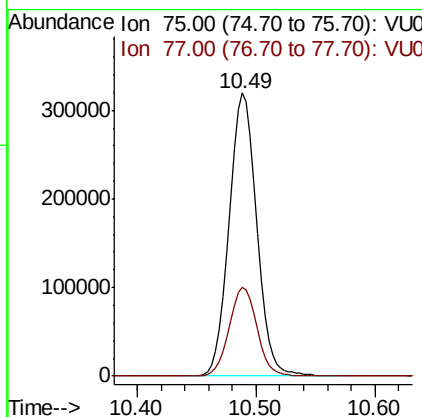
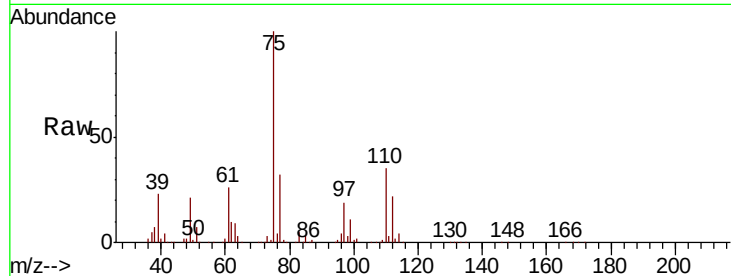




#59
 1,2,3-Trichloropropane
 Concen: 98.871 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

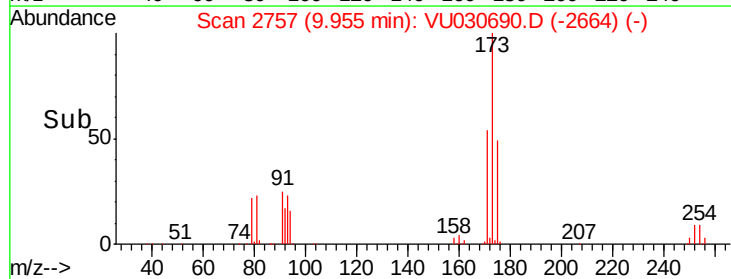
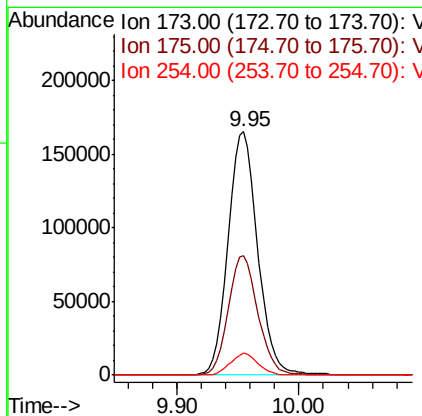
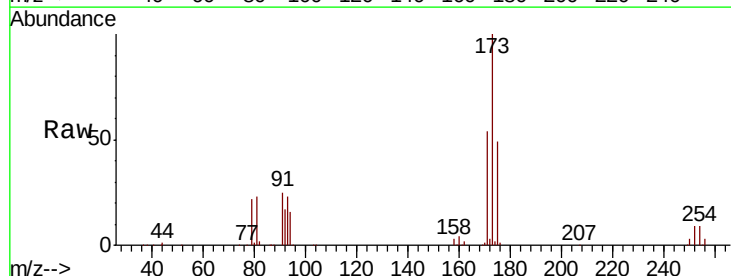
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

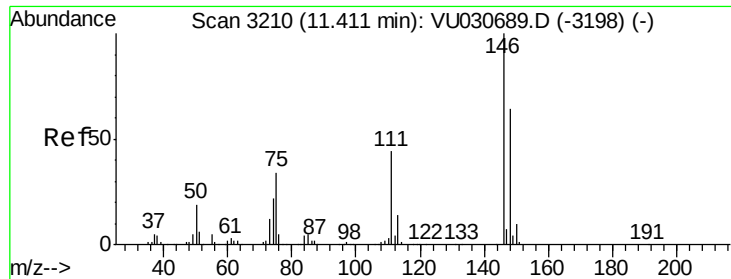
Tot Ion: 75 Resp: 513496
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.1 39.1



#61
 Bromoform
 Concen: 94.960 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion: 173 Resp: 280900
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.1 58.7
 254 8.4 7.3 10.9

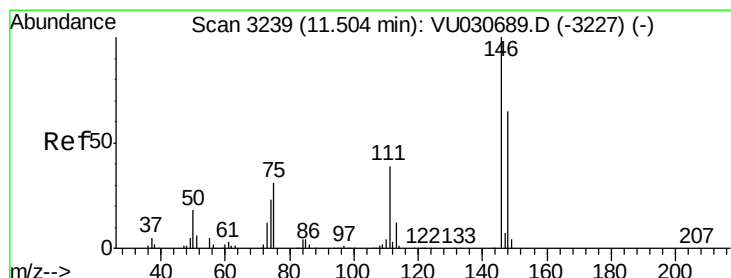
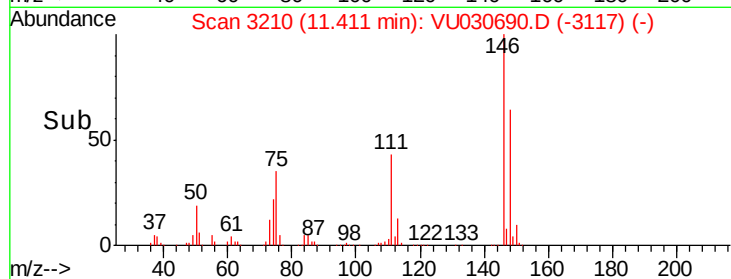
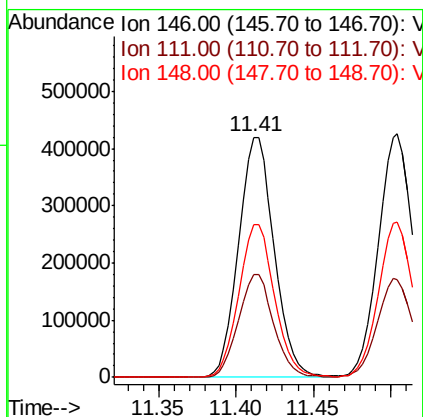
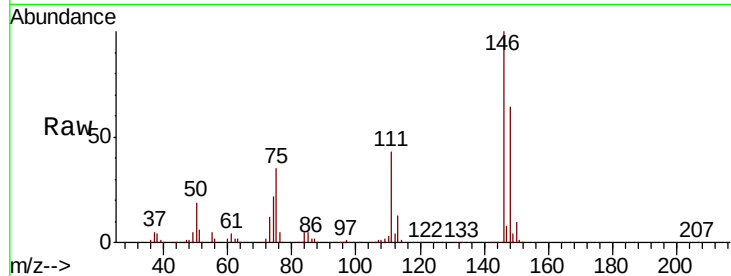




#62
 1,3-Dichlorobenzene
 Concen: 94.513 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

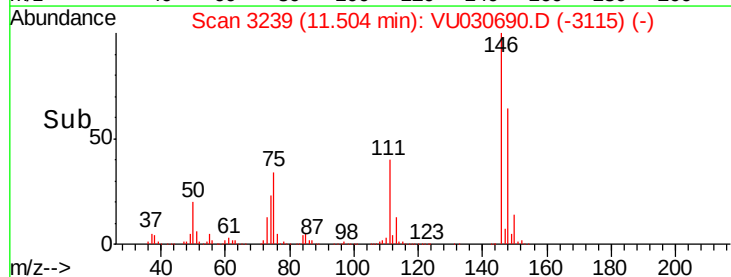
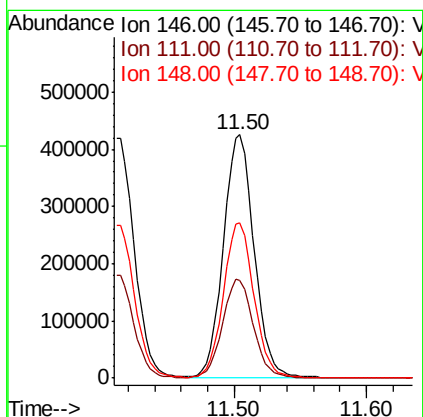
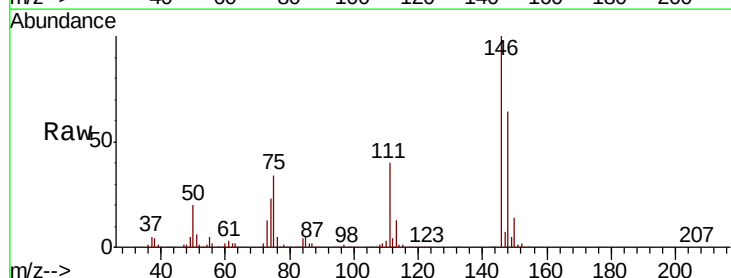
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

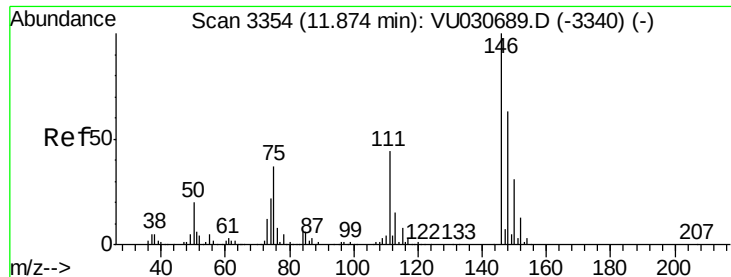
Tot Ion:146 Resp: 673015
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.9 57.5
 148 63.5 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 93.854 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion:146 Resp: 681704
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.7 51.5
 148 63.8 45.4 84.4

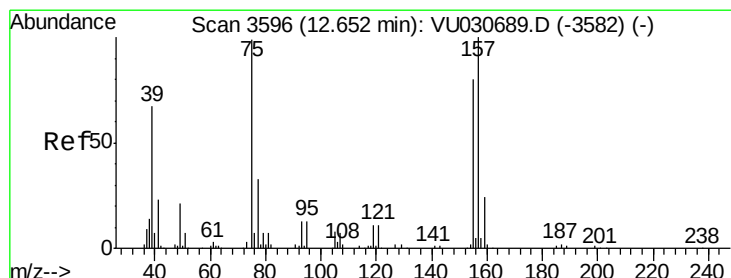
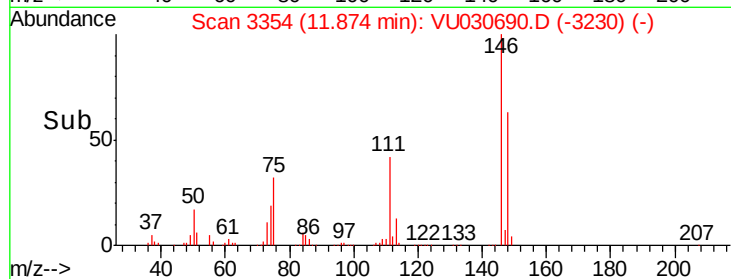
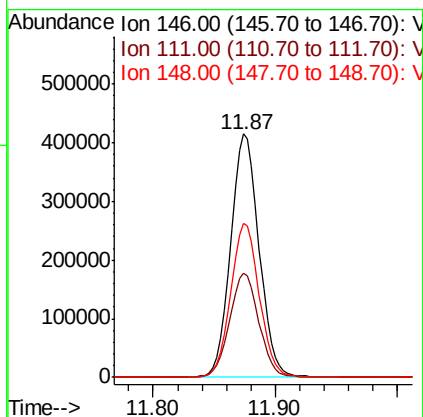
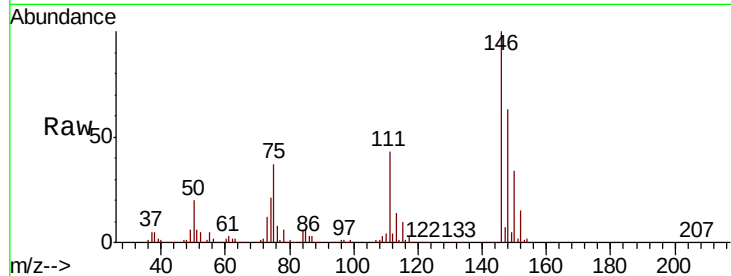




#65
 1,2-Dichlorobenzene
 Concen: 93.226 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

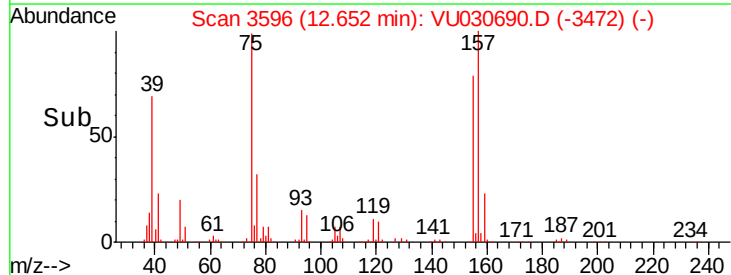
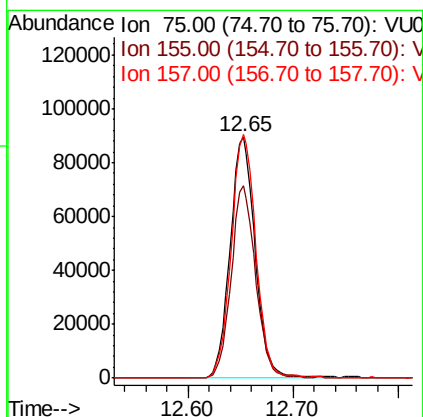
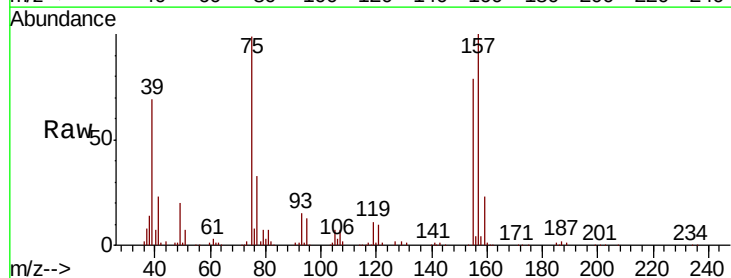
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

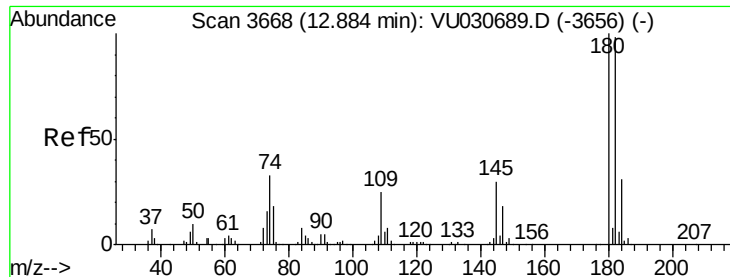
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.9	52.3
148	63.2	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.142 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	64.1	96.1
157	100.9	80.6	120.8

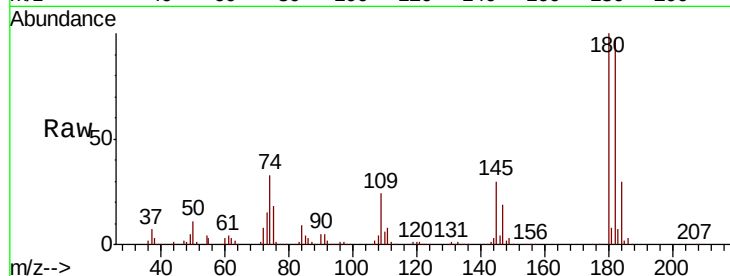




#67
 1,3,5-Trichlorobenzene
 Concen: 97.906 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

Tot Ion:180	Resp:	502583
Ion Ratio	Lower	Upper
180	100	
182	95.6	78.3 117.5
184	30.2	24.7 37.1
145	29.9	24.2 36.4



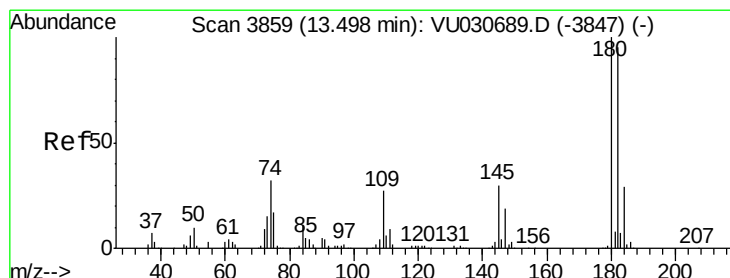
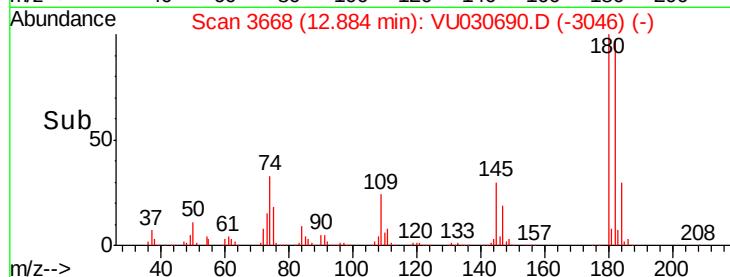
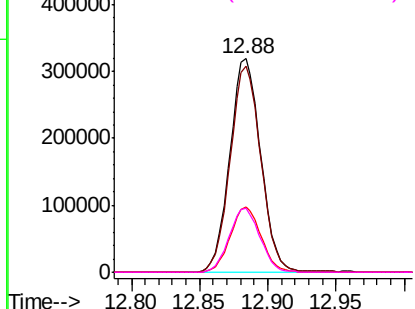
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

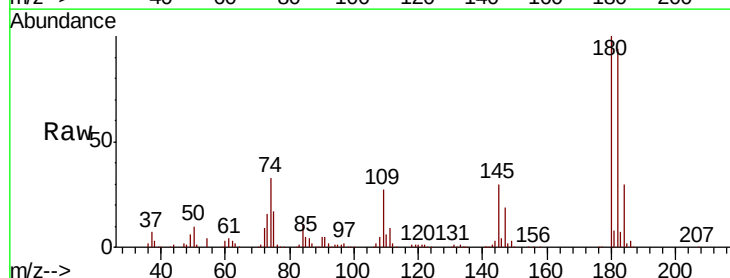
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 108.438 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030690.D
 Acq: 04 Apr 2019 17:38

Tgt Ion:180	Resp:	452510
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.7 115.1
145	30.1	24.4 36.6

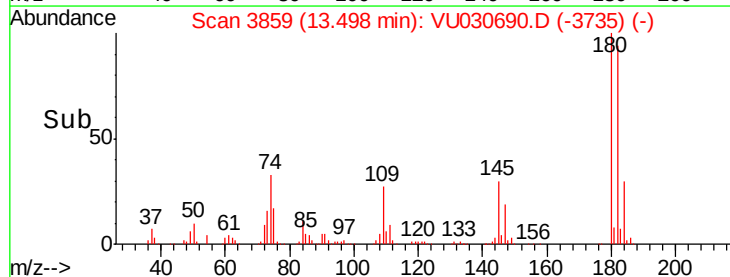
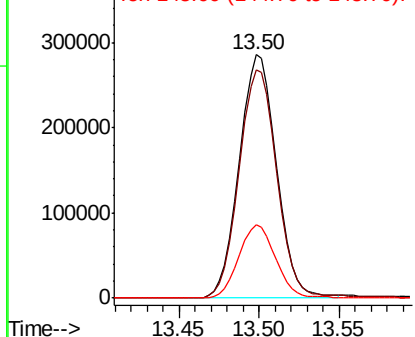


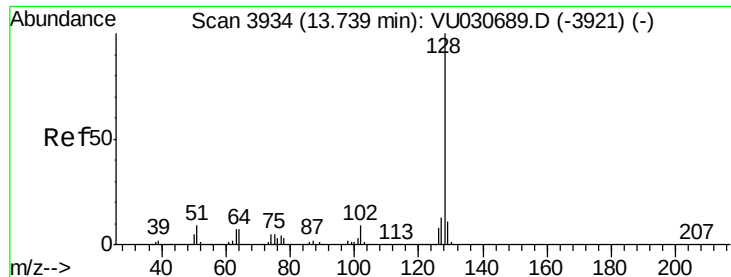
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 122.059 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10049

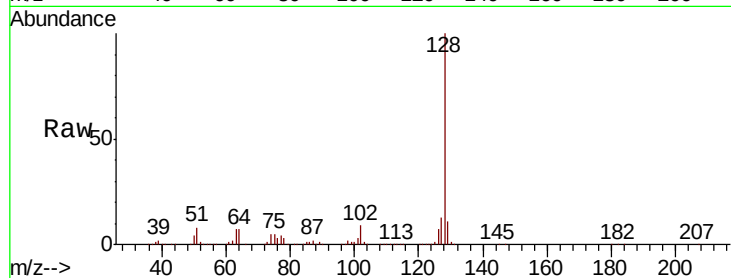
Tot Ion:128 Resp: 1564020

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

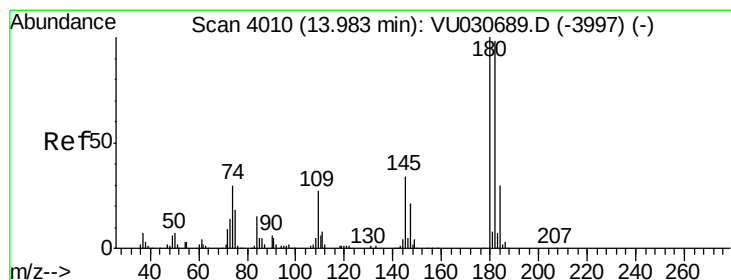
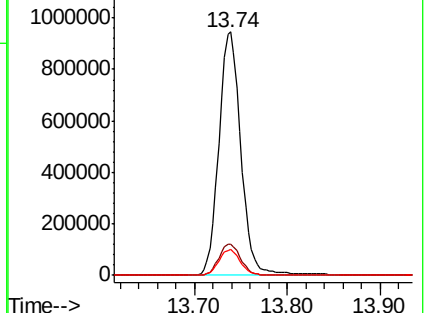
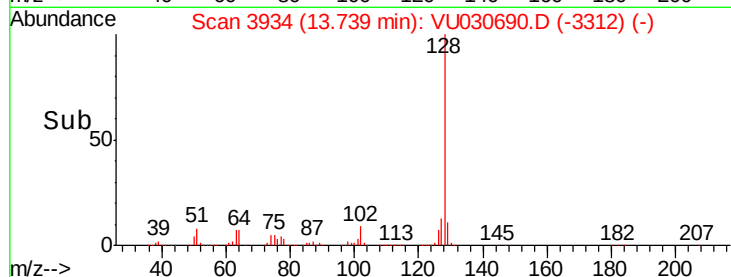
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 103.642 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030690.D

Acq: 04 Apr 2019 17:38

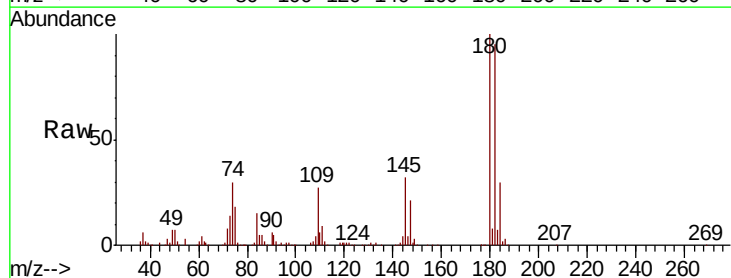
Tgt Ion:180 Resp: 461041

Ion Ratio Lower Upper

180 100

182 96.4 78.1 117.1

145 31.9 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

