

Data File : VU031699.D
Acq On : 02 May 2019 09:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: May 03 04:37:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	935405	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	879522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	402027	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	372743	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.22%
7) Chloroethane-d5	1.68	69	288768	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.46%
11) 1,1-Dichloroethene-d2	2.27	63	708296	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.86%
21) 2-Butanone-d5	4.19	46	709877	100.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.08%
24) Chloroform-d	4.64	84	634121	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.31	65	401408	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
32) Benzene-d6	5.33	84	1260799	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
36) 1,2-Dichloropropane-d6	6.32	67	438930	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.38%
41) Toluene-d8	7.56	98	1083151	46.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.10%
43) trans-1,3-Dichloropropene-	7.85	79	197473	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.82%
47) 2-Hexanone-d5	8.31	63	462658	112.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.49%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	599419	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	390021	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	429219	41.728 ug/L	99
3) Chloromethane	1.32	50	516733	41.521 ug/L	99
5) Vinyl chloride	1.40	62	495193	42.559 ug/L	100
6) Bromomethane	1.63	94	251051	40.914 ug/L	100
8) Chloroethane	1.70	64	284000	44.653 ug/L	98
9) Trichlorofluoromethane	1.88	101	556531	41.958 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	333253	44.445 ug/L	99
12) 1,1-Dichloroethene	2.28	96	321204	44.012 ug/L	95
13) Acetone	2.34	43	708532	88.679 ug/L	100
14) Carbon disulfide	2.47	76	997208	41.177 ug/L	100
15) Methyl Acetate	2.62	43	551561	45.623 ug/L	97
16) Methylene chloride	2.70	84	385133	44.717 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	342265	45.008 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	1212673	50.053 ug/L	99
19) 1,1-Dichloroethane	3.44	63	740097	46.212 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	396095	48.557 ug/L	99
22) 2-Butanone	4.27	43	910473	102.855 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	181755	45.854	ug/L	95
25) Chloroform	4.67	83	687116	44.866	ug/L	100
27) 1,2-Dichloroethane	5.40	62	549919	44.208	ug/L	99
29) Cyclohexane	4.99	56	700695	50.338	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	552082	44.801	ug/L	100
31) Carbon tetrachloride	5.13	117	465725	44.216	ug/L	100
33) Benzene	5.38	78	1569732	48.544	ug/L	100
34) Trichloroethene	6.18	95	386730	49.337	ug/L	98
35) Methylcyclohexane	6.41	83	610098	51.935	ug/L	96
37) 1,2-Dichloropropane	6.43	63	443106	48.268	ug/L	99
38) Bromodichloromethane	6.75	83	511170	45.924	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	653760	53.895	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1476929	104.570	ug/L	99
42) Toluene	7.63	91	1584778	49.199	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	555974	50.533	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	370297	48.929	ug/L	99
46) Tetrachloroethene	8.22	164	258884	48.446	ug/L	94
48) 2-Hexanone	8.36	43	1199417	104.998	ug/L	98
49) Dibromochloromethane	8.47	129	370681	47.074	ug/L	98
50) 1,2-Dibromoethane	8.58	107	393604	49.244	ug/L	97
51) Chlorobenzene	9.12	112	952208	50.024	ug/L	99
52) Ethylbenzene	9.24	91	1760100	52.677	ug/L	100
53) m,p-Xylene	9.37	106	627653	53.915	ug/L	95
54) o-xylene	9.77	106	624048	54.070	ug/L	95
55) Styrene	9.79	104	1063242	53.921	ug/L	99
56) Isopropylbenzene	10.16	105	1640232	54.045	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	650226	48.418	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	527554	48.470	ug/L	98
61) Bromoform	9.95	173	268831	45.110	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	676641	50.845	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	692218	50.226	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	695073	49.144	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	148154	45.134	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	493238	49.485	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	422746	53.575	ug/L	98
69) Naphthalene	13.74	128	1576997	58.616	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	435497	48.477	ug/L	98

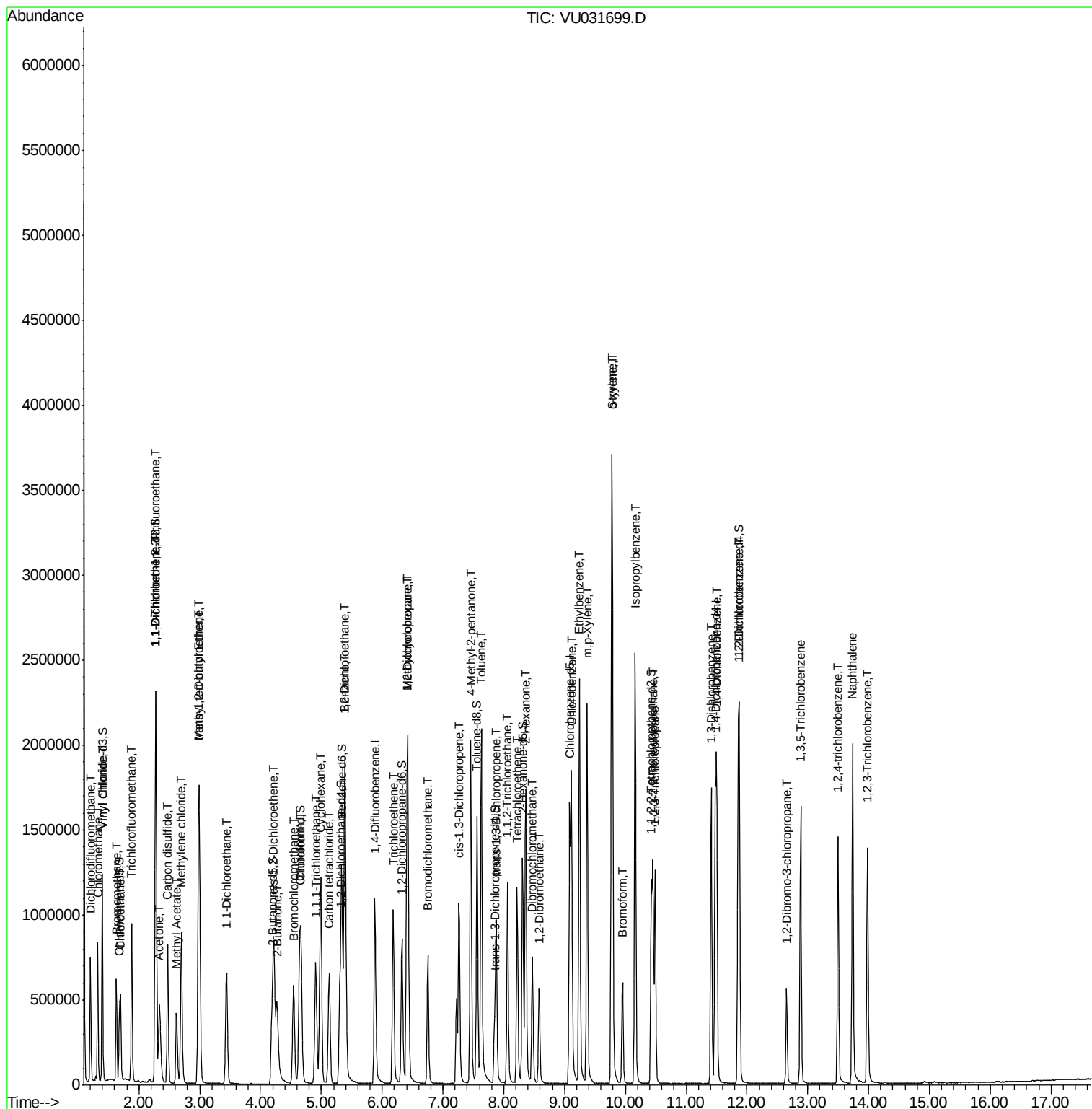
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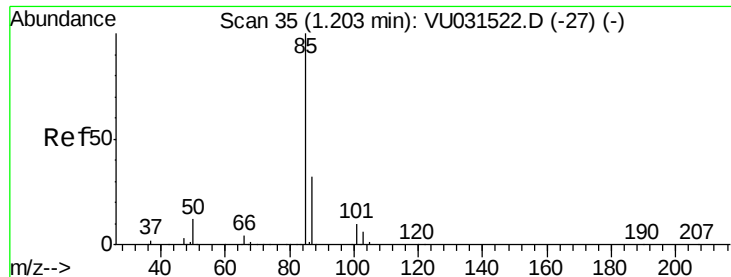
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#2

Dichlorodifluoromethane

Concen: 41.728 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

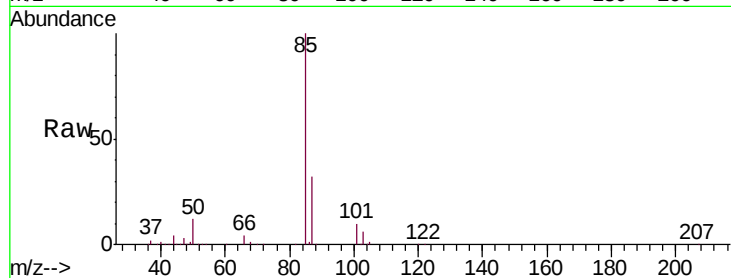
VSTD05060

Tgt Ion: 85 Resp: 429219

Ion Ratio Lower Upper

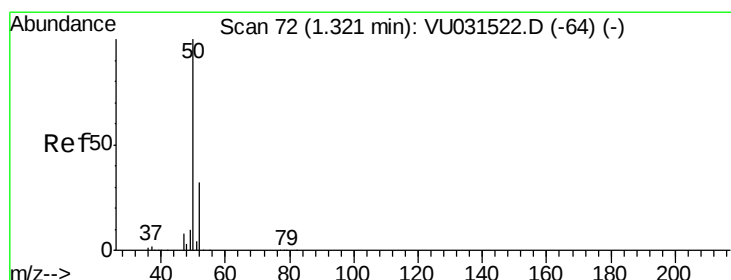
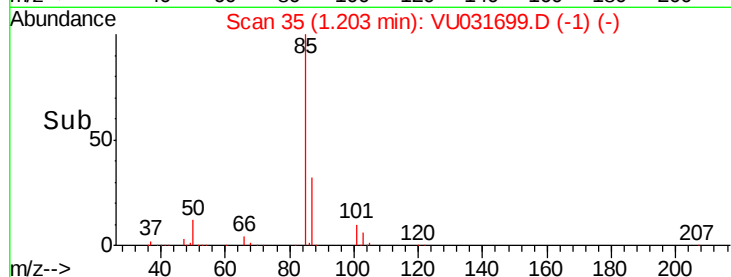
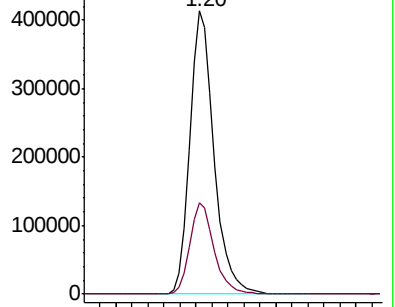
85 100

87 32.1 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031522.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031522.D (-27) (-)



#3

Chloromethane

Concen: 41.521 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031699.D

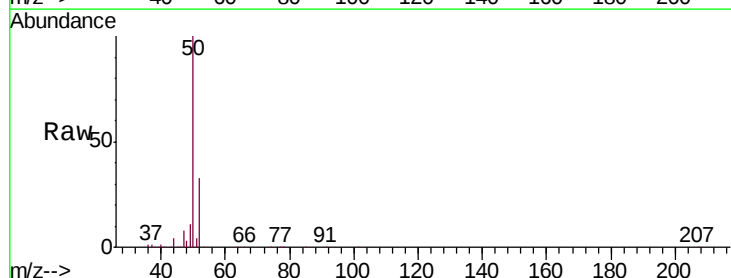
Acq: 02 May 2019 09:57

Tgt Ion: 50 Resp: 516733

Ion Ratio Lower Upper

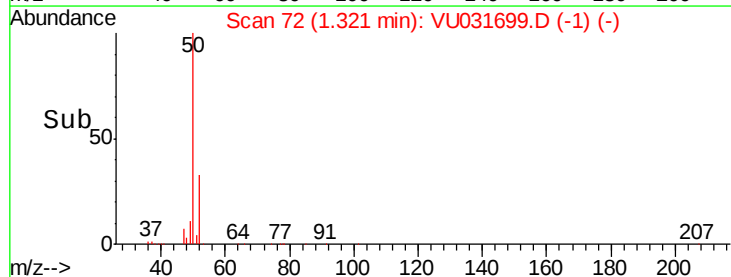
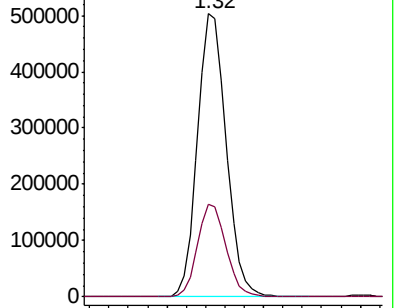
50 100

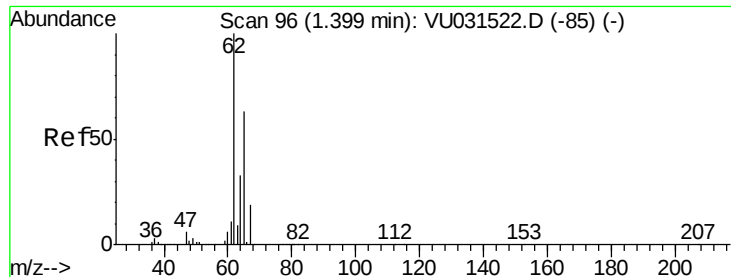
52 32.7 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031522.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031522.D (-64) (-)





#5

Vinyl chloride

Concen: 42.559 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

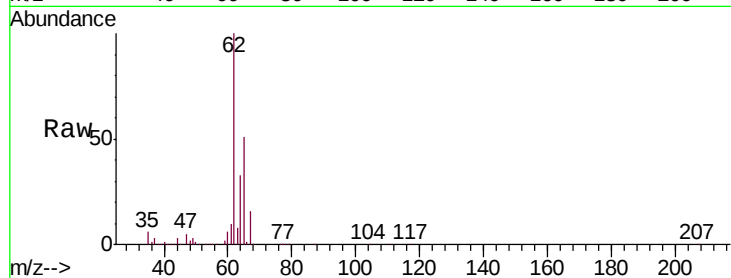
VSTD05060

Tgt Ion: 62 Resp: 495193

Ion Ratio Lower Upper

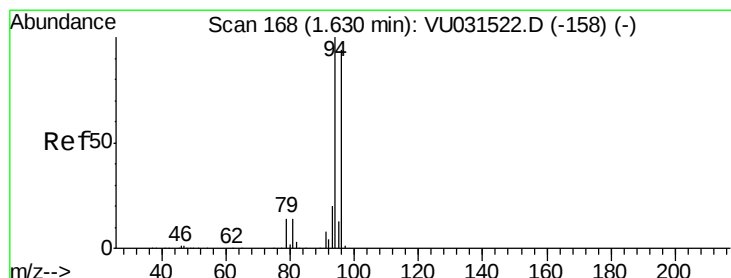
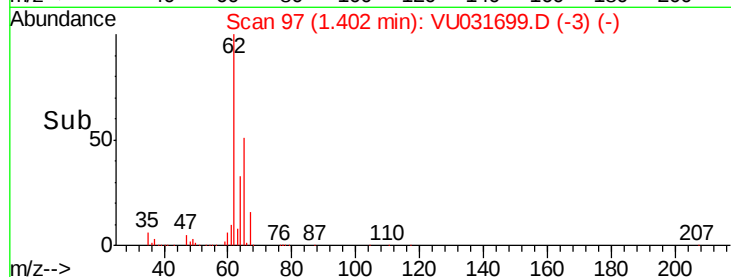
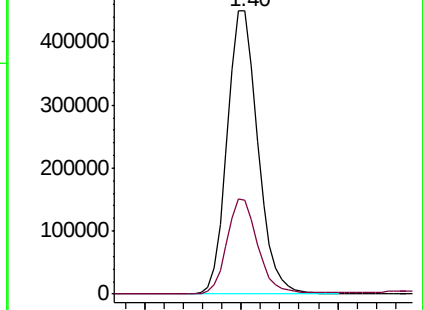
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU031522.D (-85) (-)



#6

Bromomethane

Concen: 40.914 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031699.D

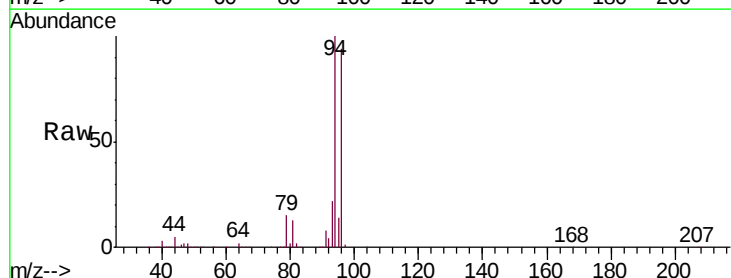
Acq: 02 May 2019 09:57

Tgt Ion: 94 Resp: 251051

Ion Ratio Lower Upper

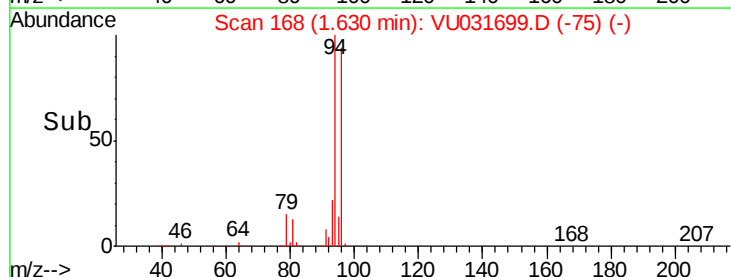
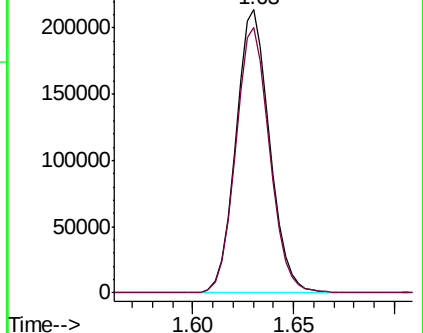
94 100

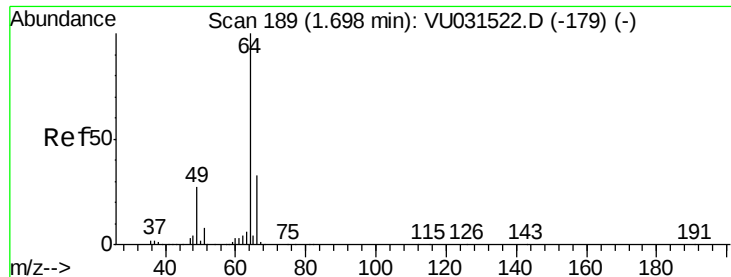
96 93.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031522.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031522.D (-158) (-)

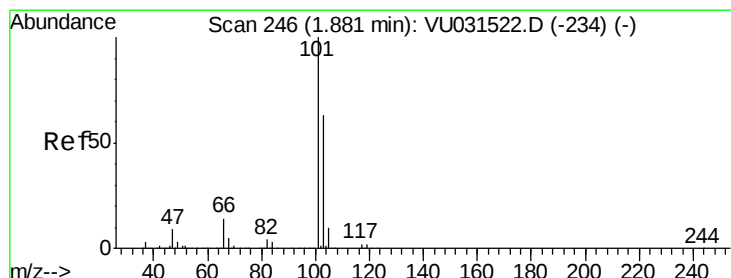
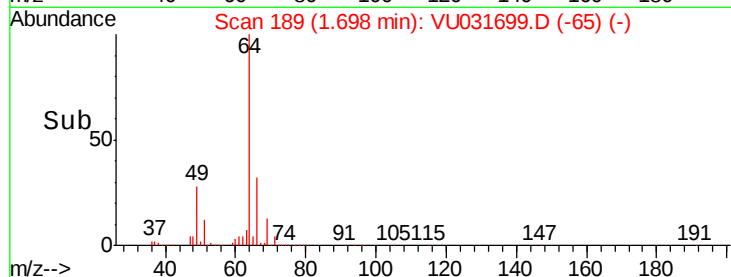
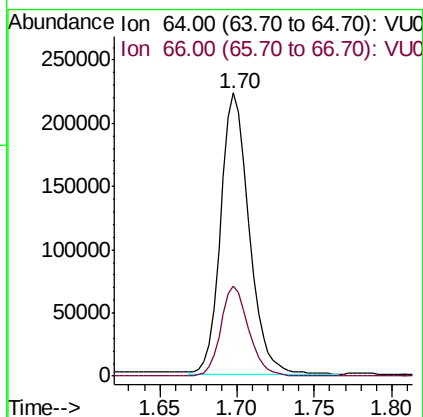
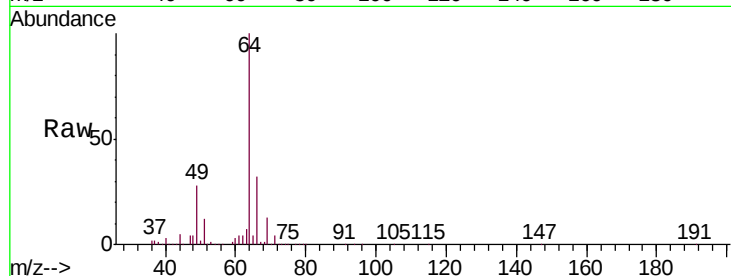




#8
Chloroethane
Concen: 44.653 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

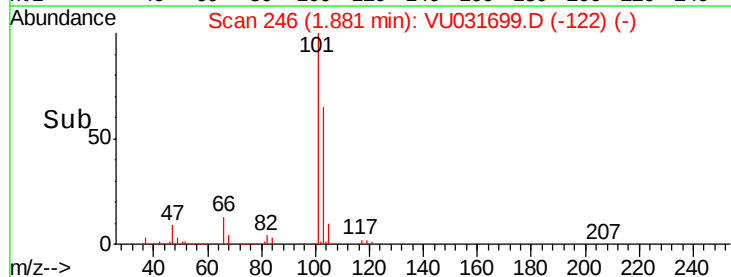
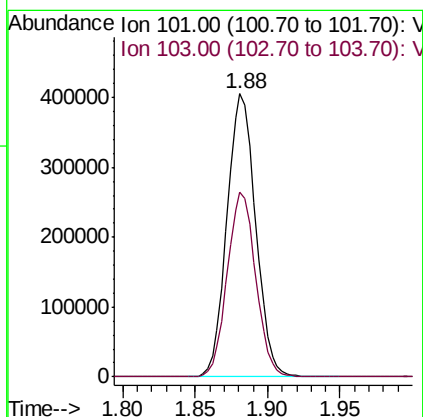
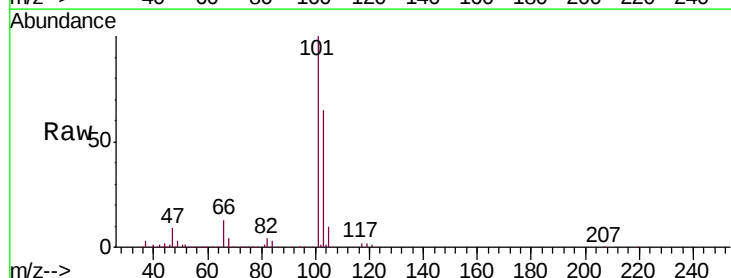
Instrument :
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VSTD05060

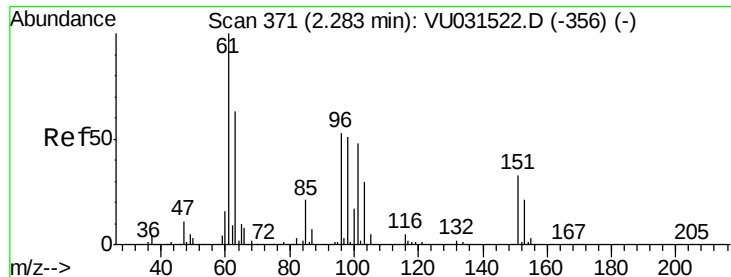
Tgt Ion: 64 Resp: 284000
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.0



#9
Trichlorofluoromethane
Concen: 41.958 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

Tgt Ion: 101 Resp: 556531
Ion Ratio Lower Upper
101 100
103 64.8 50.8 76.2





#10

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

Concen: 44.445 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

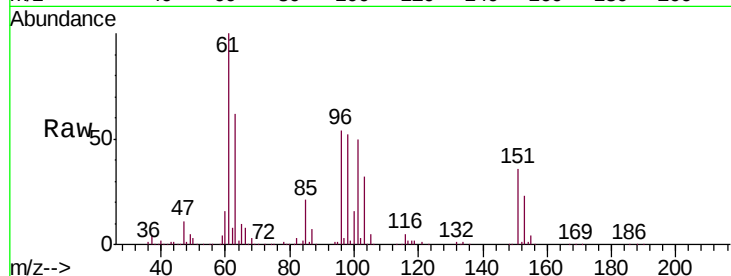
Tgt Ion: 101 Resp: 333253

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

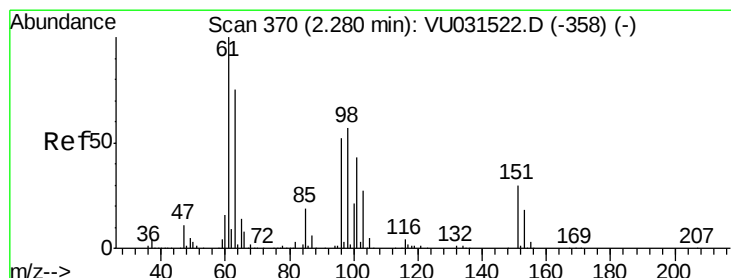
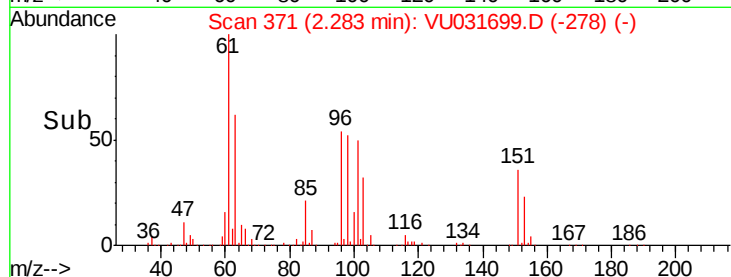
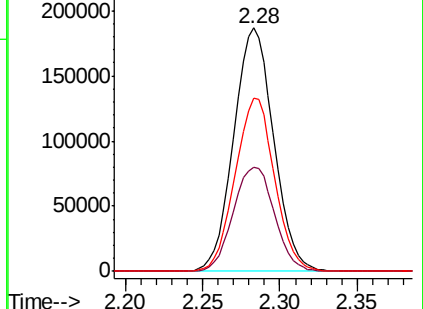
151 70.7 56.1 84.1



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: 44.012 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

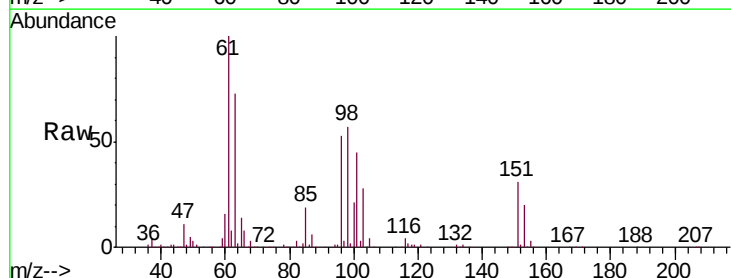
Tgt Ion: 96 Resp: 321204

Ion Ratio Lower Upper

96 100

61 189.2 135.0 250.6

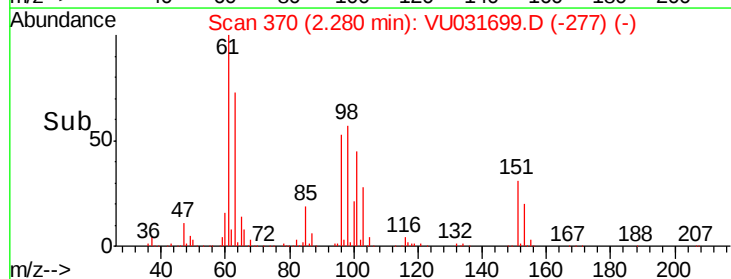
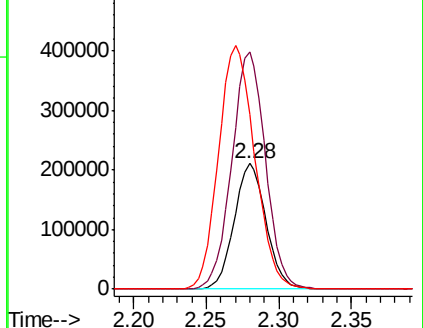
63 138.8 103.5 192.3

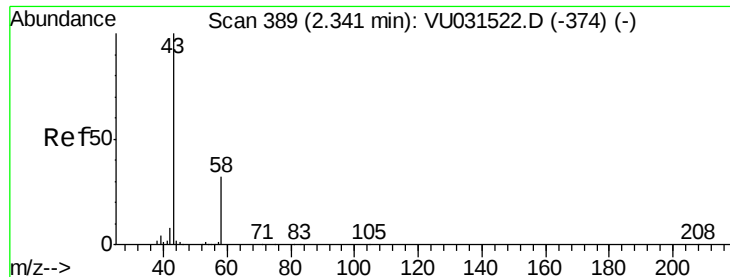


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.679 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

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ClientSampleId :

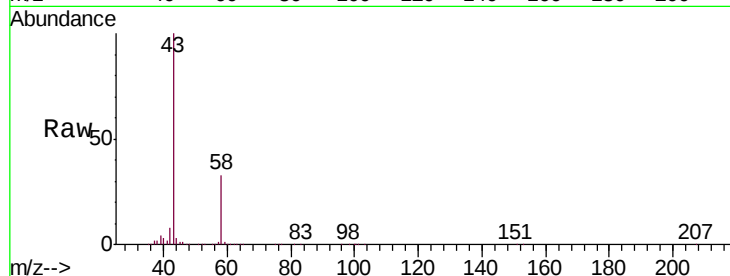
VSTD05060

Tgt Ion: 43 Resp: 708532

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031522.D (-374) (-)

2.34

300000

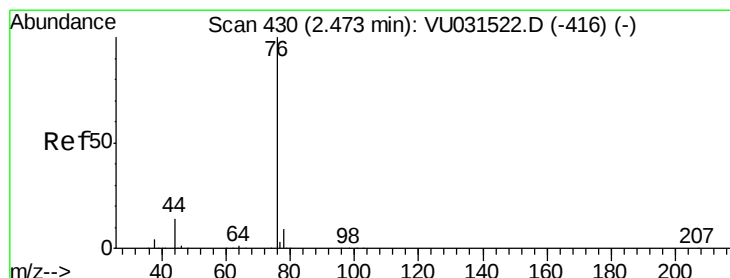
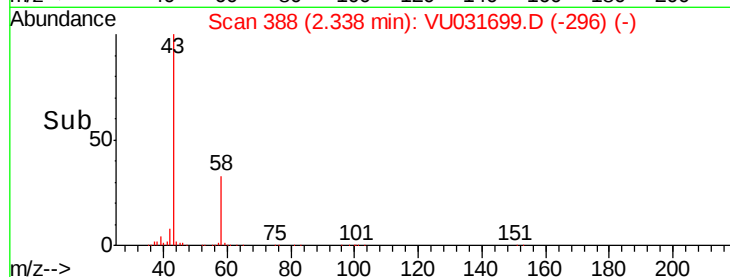
200000

100000

0

2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 41.177 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031699.D

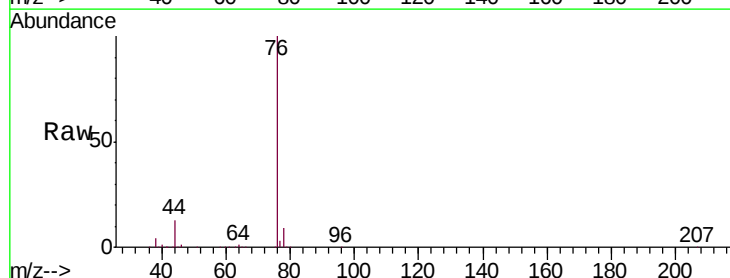
Acq: 02 May 2019 09:57

Tgt Ion: 76 Resp: 997208

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031522.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031522.D (-416) (-)

2.47

600000

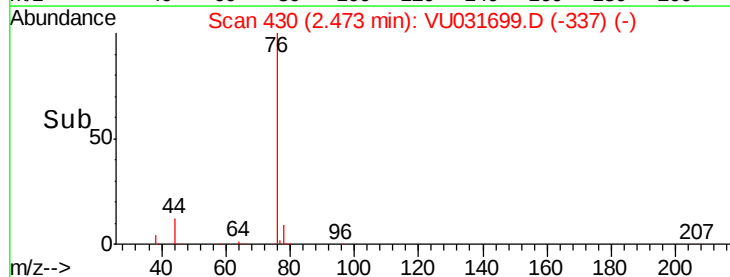
400000

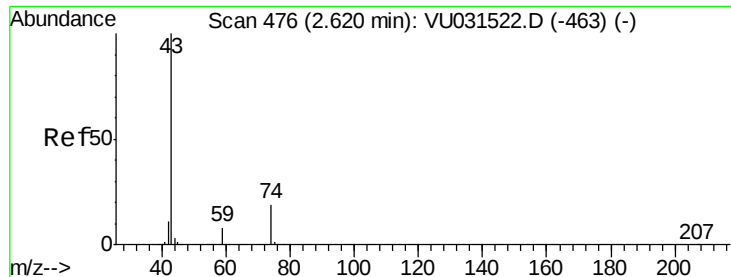
200000

0

2.40 2.45 2.50 2.55 2.60

Time-->





#15

Methyl Acetate

Concen: 45.623 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

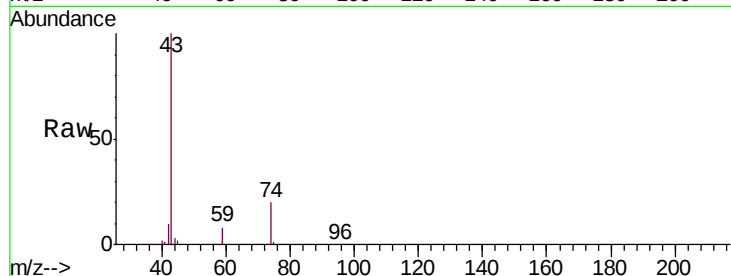
VSTD05060

Tgt Ion: 43 Resp: 551561

Ion Ratio Lower Upper

43 100

74 20.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU031522.D (-463) (-)

2.62

300000

250000

200000

150000

100000

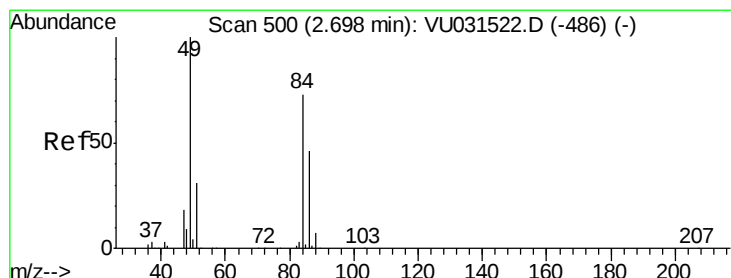
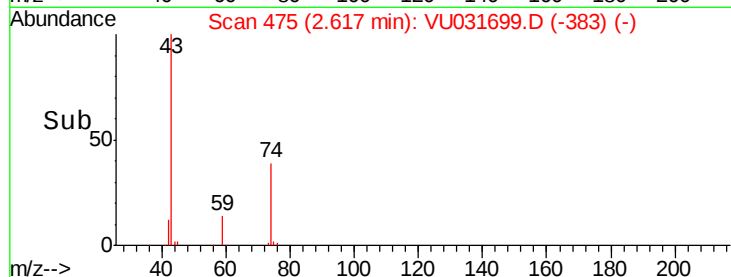
50000

0

2.60

2.70

Time-->



#16

Methylene chloride

Concen: 44.717 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

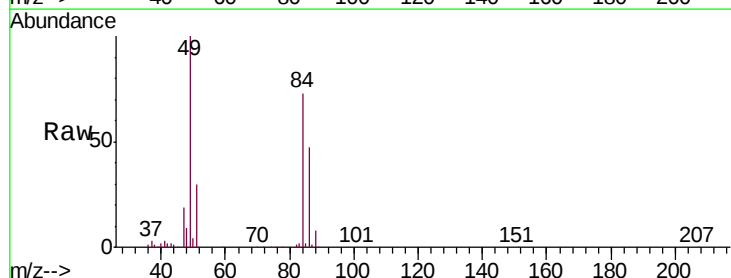
Tgt Ion: 84 Resp: 385133

Ion Ratio Lower Upper

84 100

86 65.4 44.7 83.1

49 137.9 96.5 179.3



Abundance Ion 84.00 (83.70 to 84.70): VU031522.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031522.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031522.D (-486) (-)

400000

300000

200000

100000

0

2.60

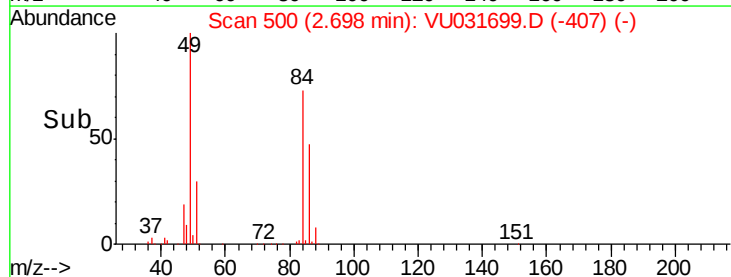
2.65

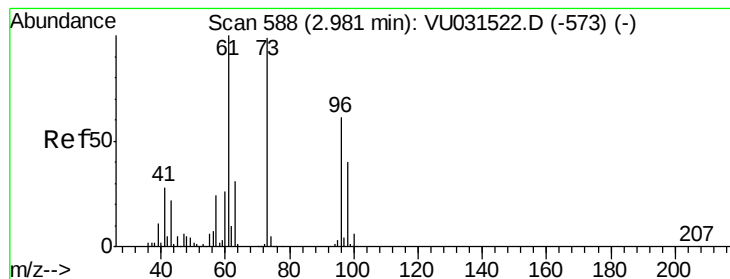
2.70

2.75

2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 45.008 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampled :

VSTD05060

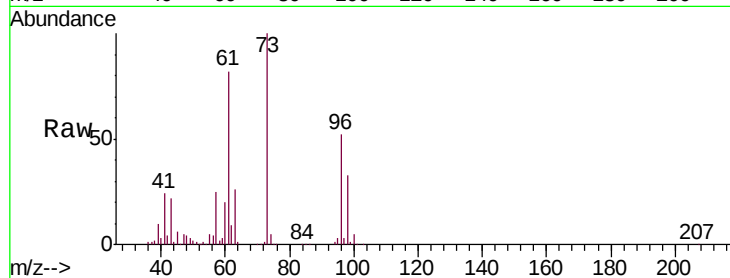
Tgt Ion: 96 Resp: 342265

Ion Ratio Lower Upper

96 100

61 156.6 114.5 212.7

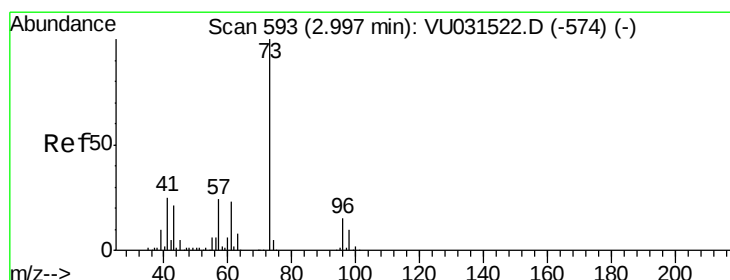
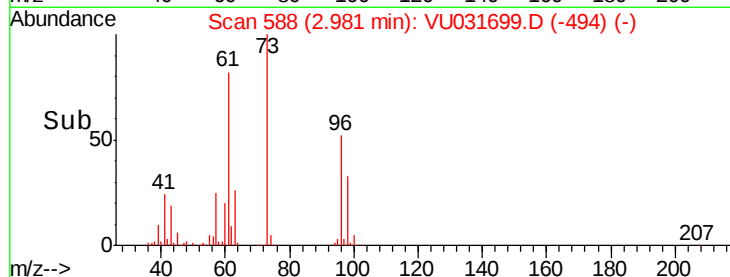
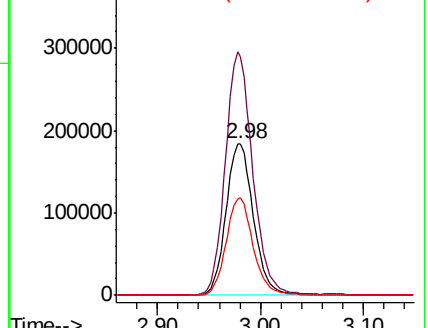
98 63.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031522.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031522.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031522.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 50.053 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

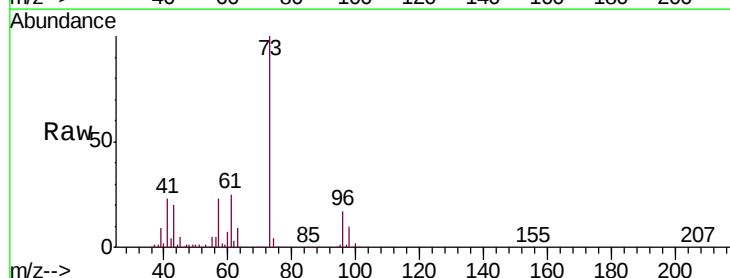
Tgt Ion: 73 Resp: 1212673

Ion Ratio Lower Upper

73 100

43 20.4 17.0 25.4

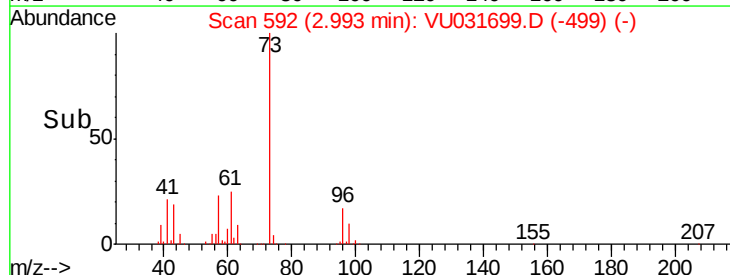
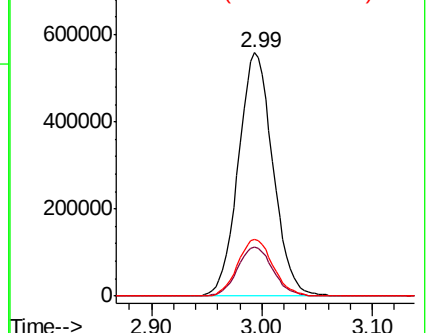
57 23.9 19.5 29.3

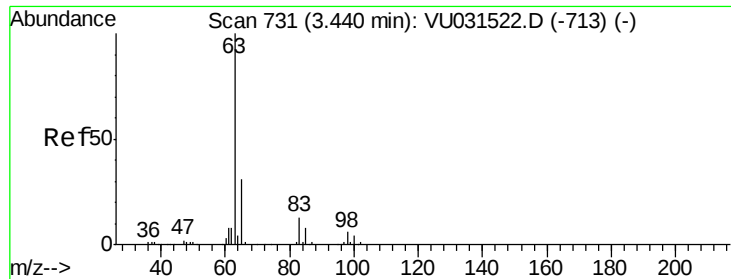


Abundance Ion 73.00 (72.70 to 73.70): VU031522.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031522.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031522.D (-574) (-)

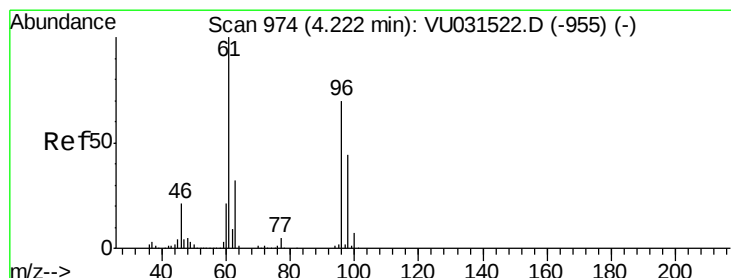
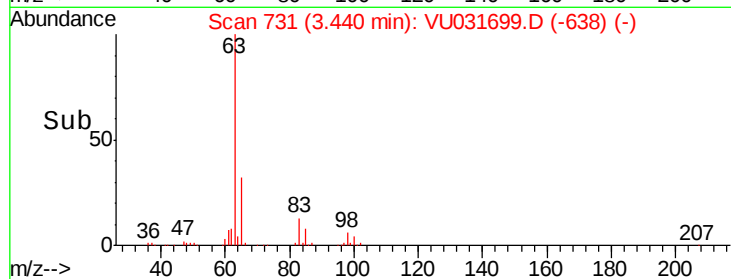
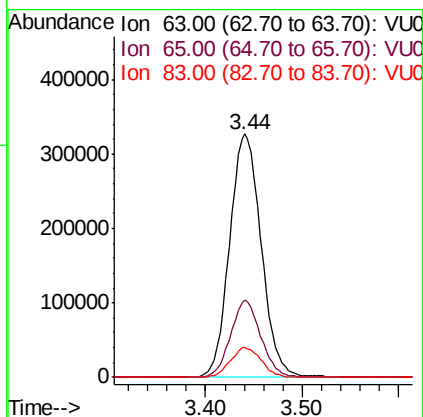
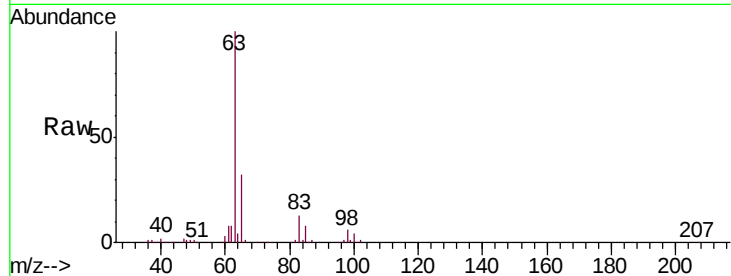




#19
 1,1-Dichloroethane
 Concen: 46.212 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

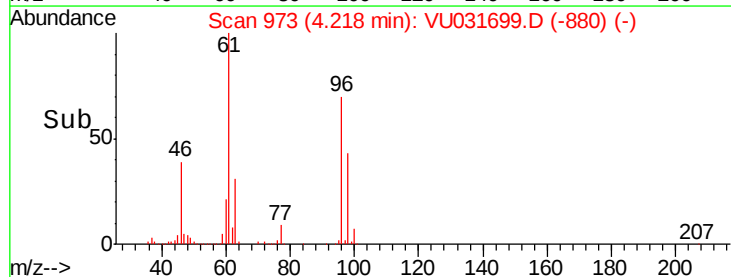
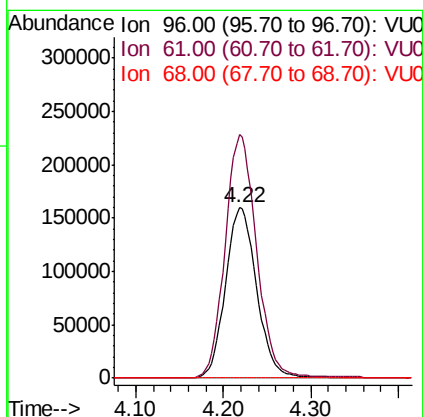
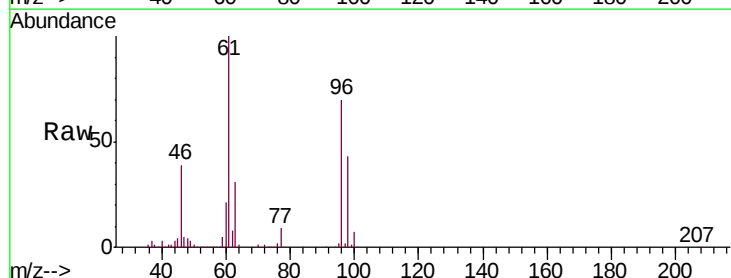
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

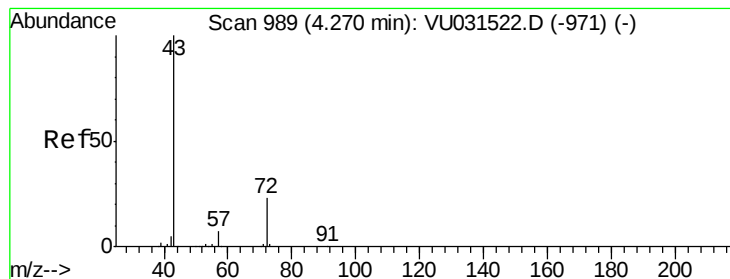
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	12.5	8.8	16.4



#20
 cis-1,2-Dichloroethene
 Concen: 48.557 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	99.5	184.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.855 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

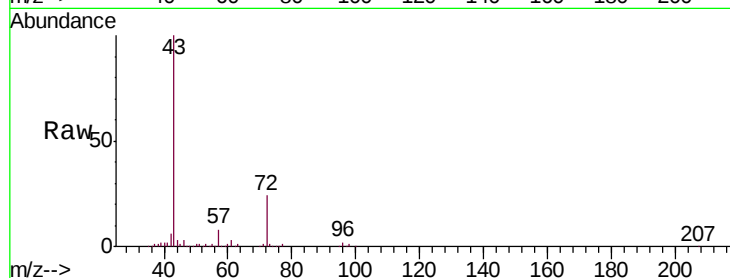
VSTD05060

Tgt Ion: 43 Resp: 910473

Ion Ratio Lower Upper

43 100

72 23.7 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-971) (-)

Ion 72.00 (71.70 to 72.70): VU031522.D (-971) (-)

4.27

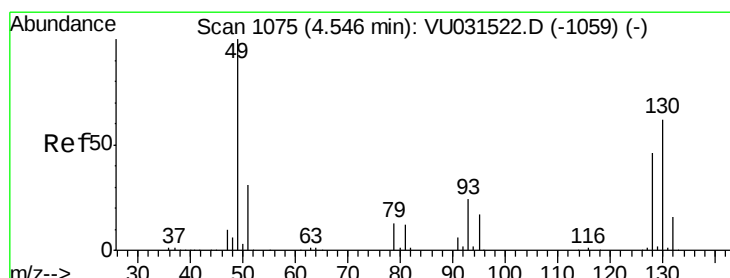
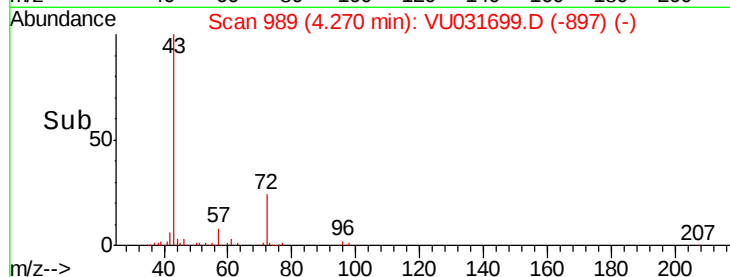
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 45.854 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Tgt Ion: 128 Resp: 181755

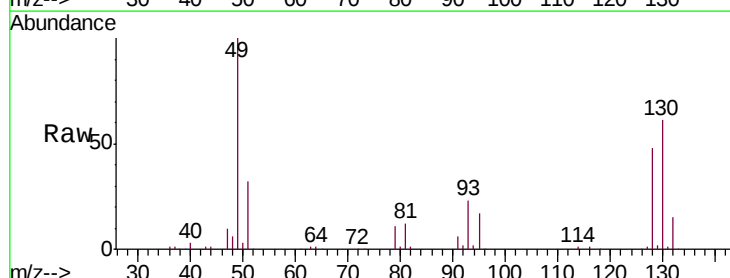
Ion Ratio Lower Upper

128 100

49 208.0 152.6 283.4

130 127.7 93.7 173.9

51 65.8 54.2 81.4



Abundance Ion 128.00 (127.70 to 128.70): VU031522.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU031522.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU031522.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU031522.D (-1059) (-)

4.55

250000

200000

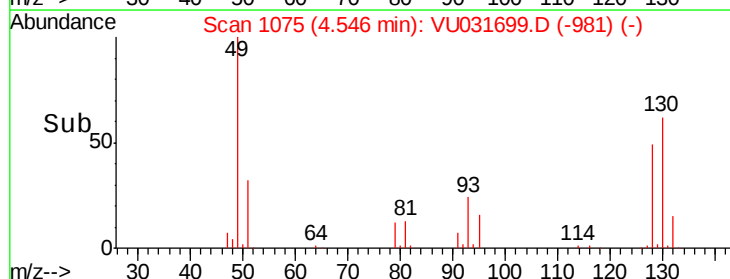
150000

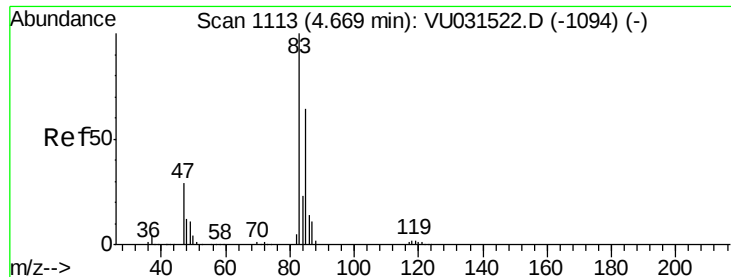
100000

50000

0

Time-->





#25

Chloroform

Concen: 44.866 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

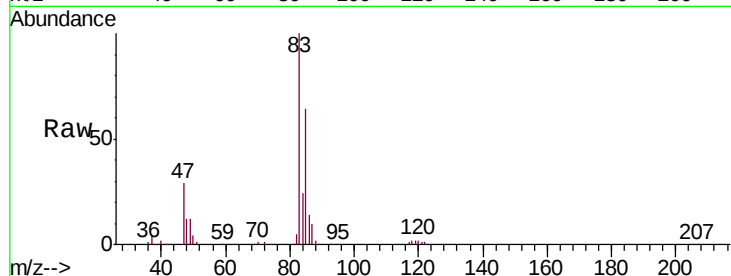
VSTD05060

Tgt Ion: 83 Resp: 687116

Ion Ratio Lower Upper

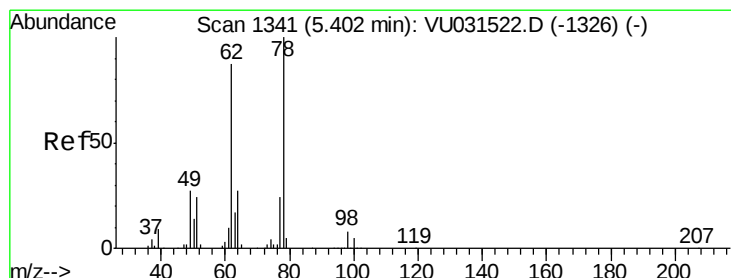
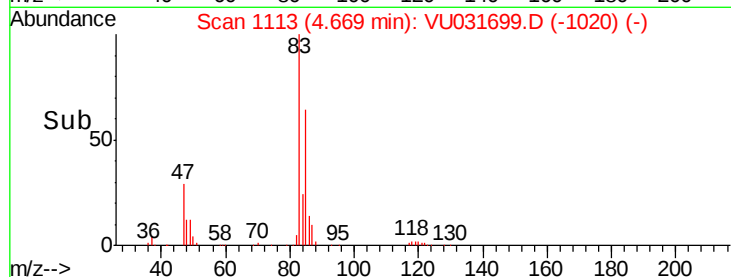
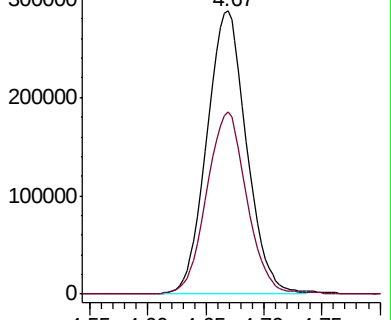
83 100

85 64.5 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU031522.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU031522.D (-1094) (-)



#27

1,2-Dichloroethane

Concen: 44.208 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU031699.D

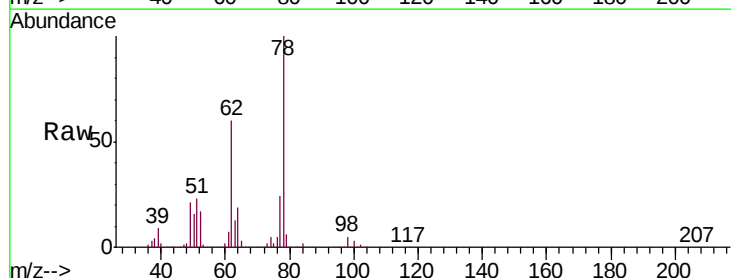
Acq: 02 May 2019 09:57

Tgt Ion: 62 Resp: 549919

Ion Ratio Lower Upper

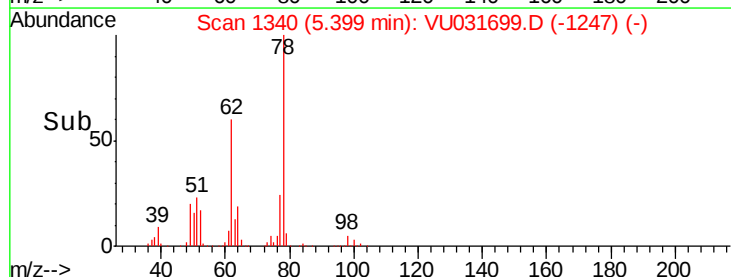
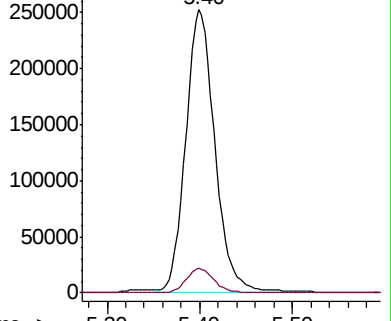
62 100

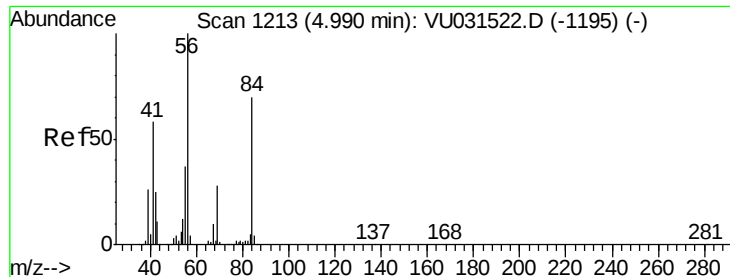
98 8.7 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU031522.D (-1326) (-)

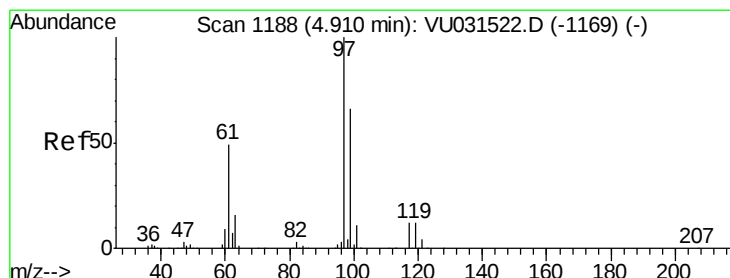
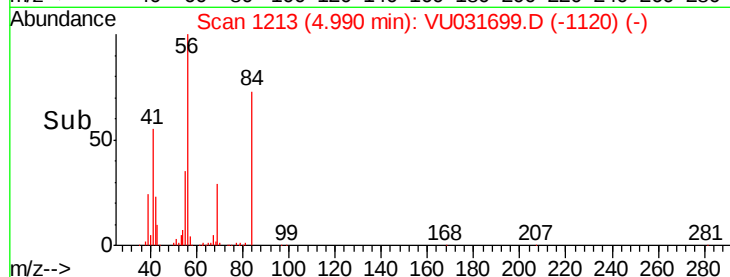
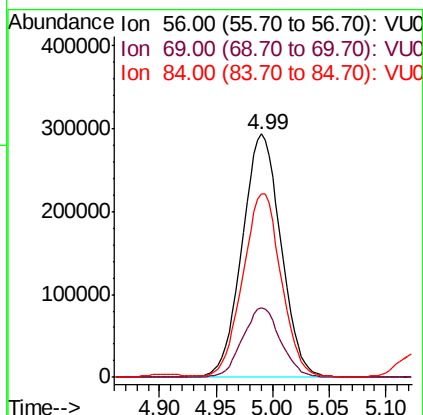
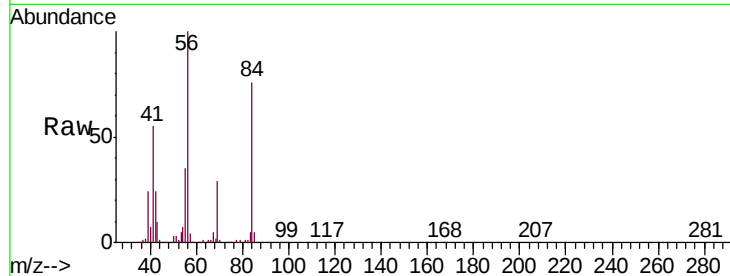




#29
Cyclohexane
Concen: 50.338 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

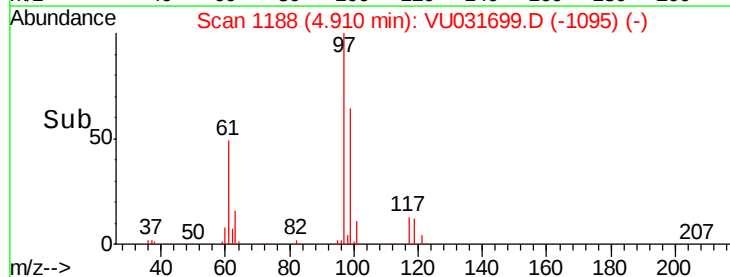
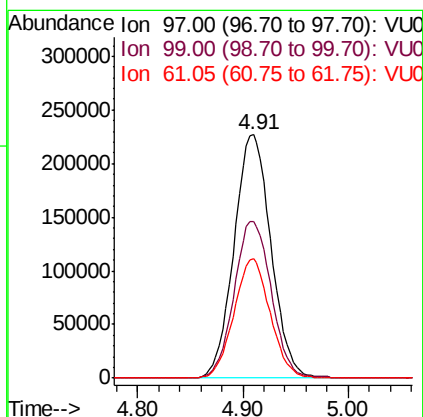
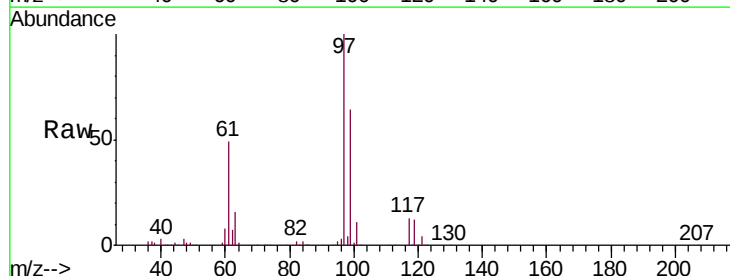
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

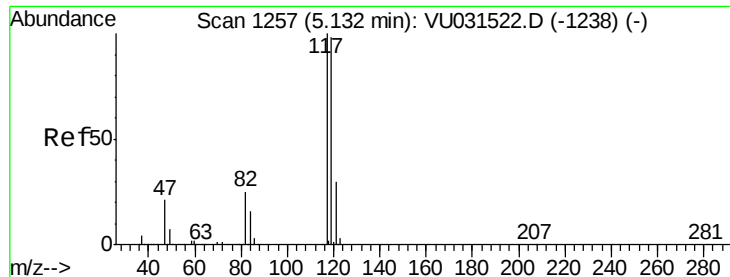
Tgt Ion: 56 Resp: 700695
Ion Ratio Lower Upper
56 100
69 28.0 22.3 33.5
84 74.6 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 44.801 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

Tgt Ion: 97 Resp: 552082
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 48.0 38.7 58.1

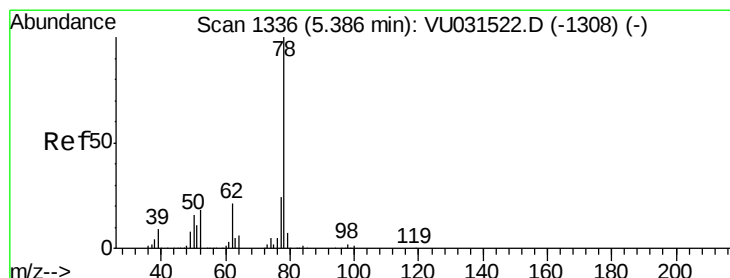
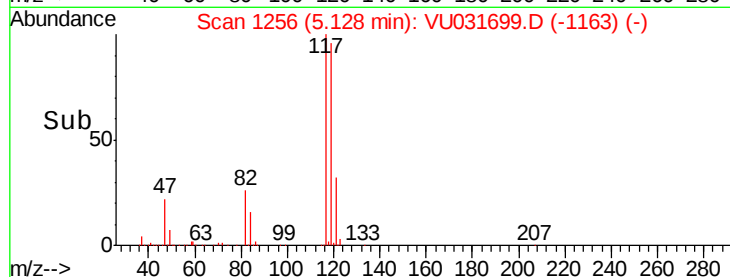
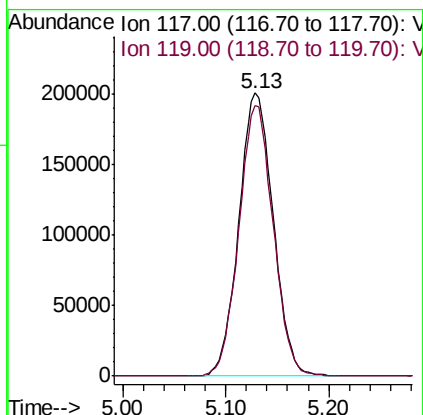
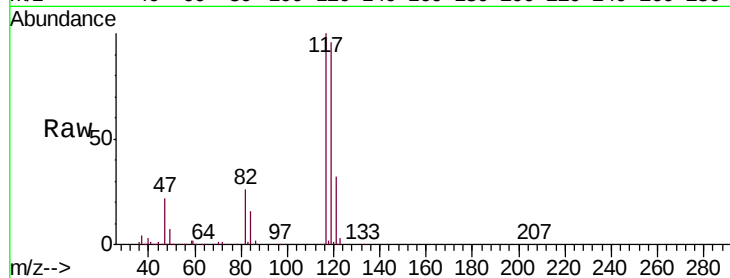




#31
Carbon tetrachloride
Concen: 44.216 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

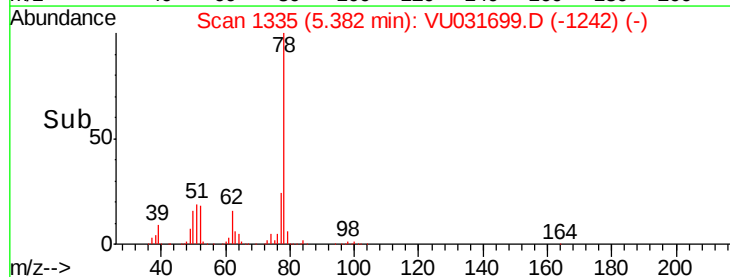
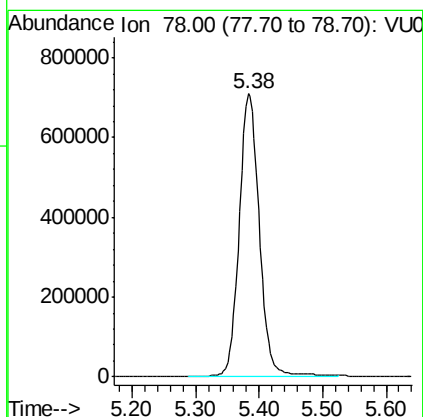
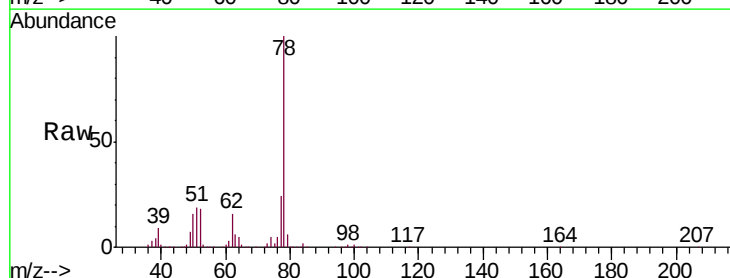
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

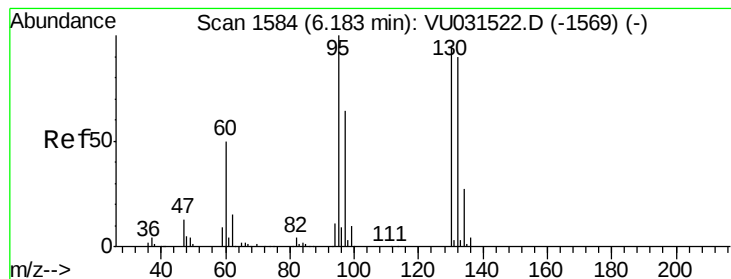
Tgt Ion:117 Resp: 465725
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8



#33
Benzene
Concen: 48.544 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

Tgt Ion: 78 Resp: 1569732





#34

Trichloroethene

Concen: 49.337 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 95 Resp: 386730

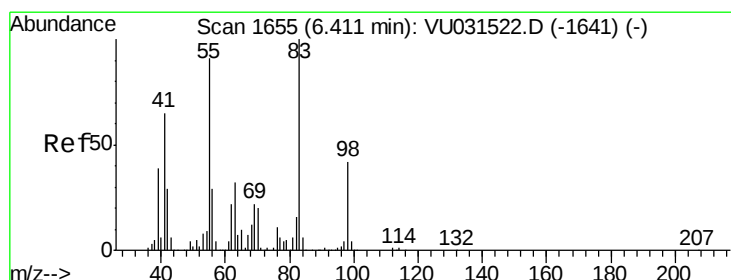
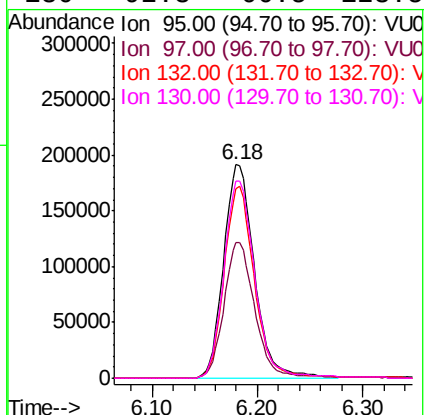
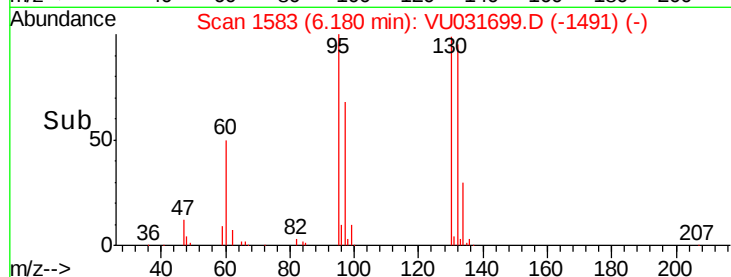
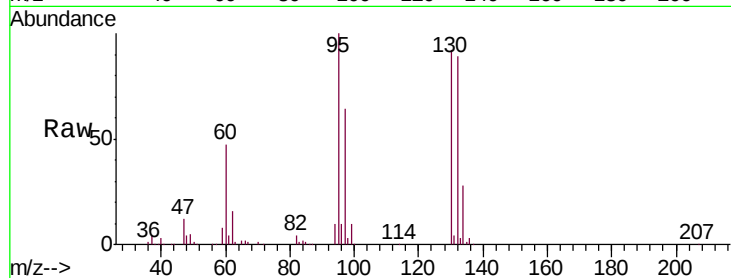
Ion Ratio Lower Upper

95 100

97 63.8 44.8 83.2

132 88.8 63.1 117.1

130 92.3 66.5 123.5



#35

Methylcyclohexane

Concen: 51.935 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

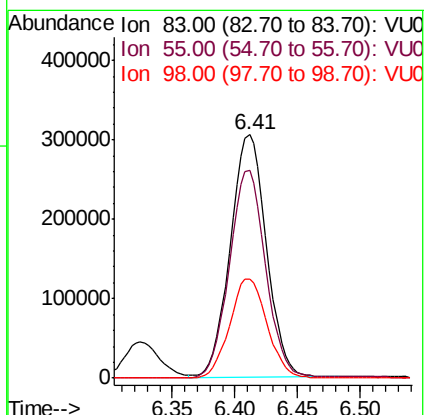
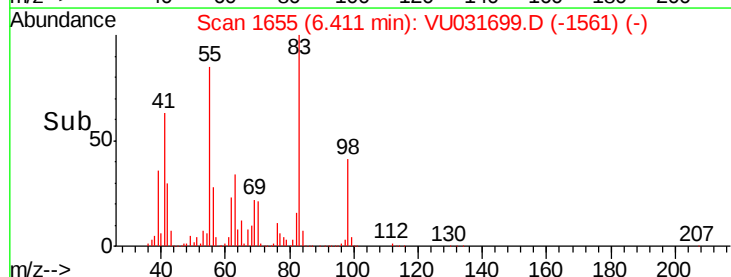
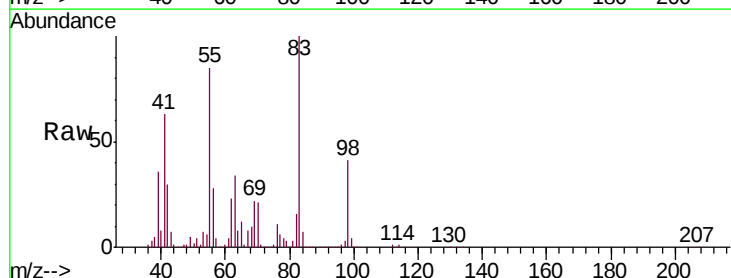
Tgt Ion: 83 Resp: 610098

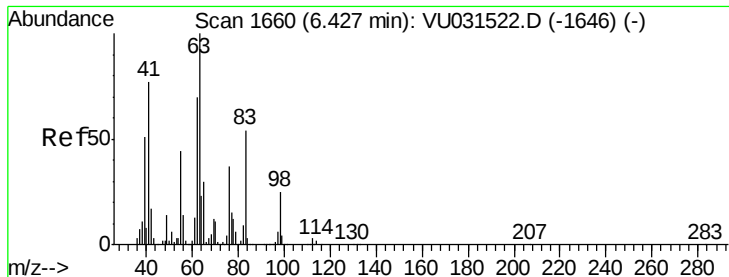
Ion Ratio Lower Upper

83 100

55 86.3 73.0 109.4

98 42.2 35.3 52.9

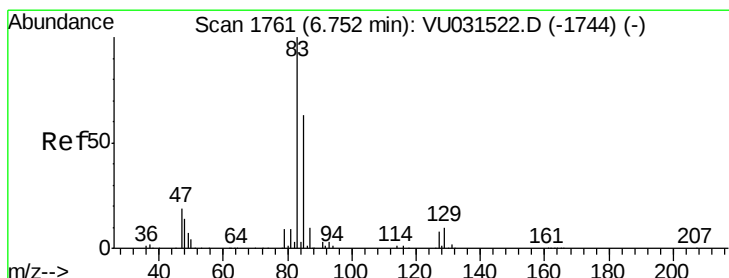
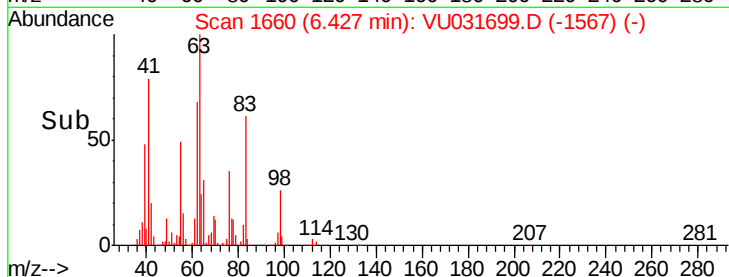
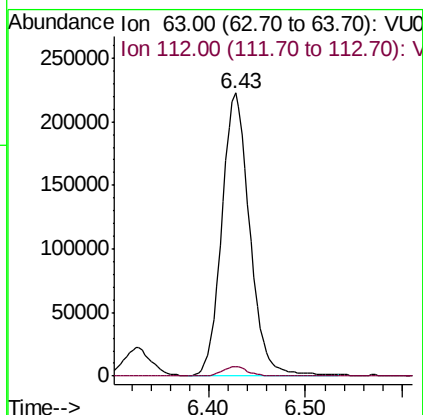
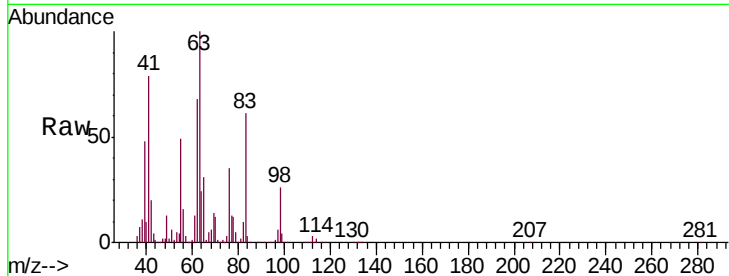




#37
 1,2-Dichloropropane
 Concen: 48.268 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

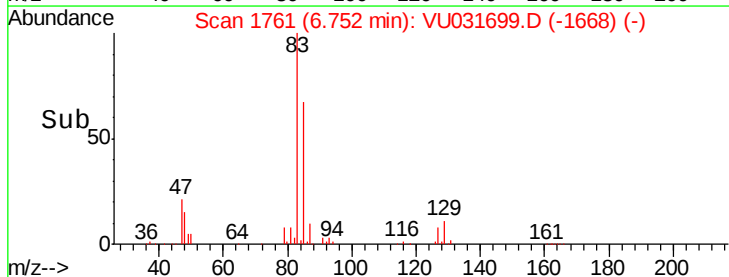
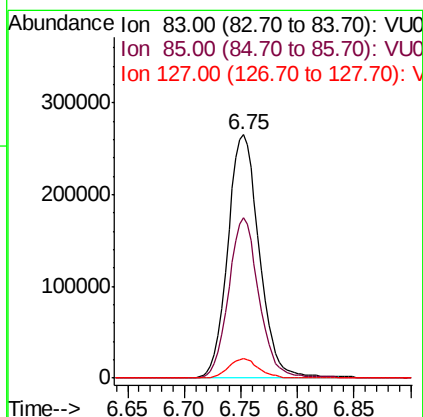
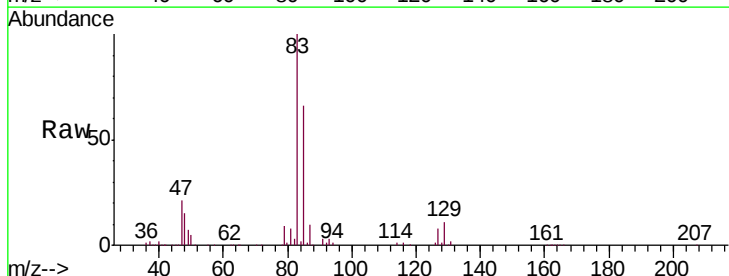
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

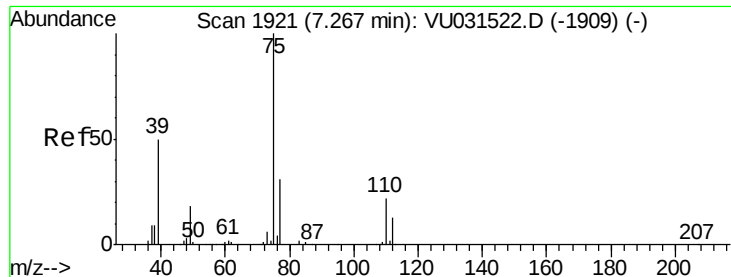
Tgt Ion: 63 Resp: 443106
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.7 4.1



#38
 Bromodichloromethane
 Concen: 45.924 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion: 83 Resp: 511170
 Ion Ratio Lower Upper
 83 100
 85 65.8 43.7 81.1
 127 8.1 6.7 10.1



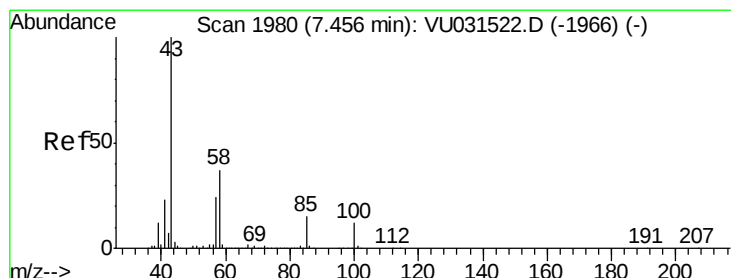
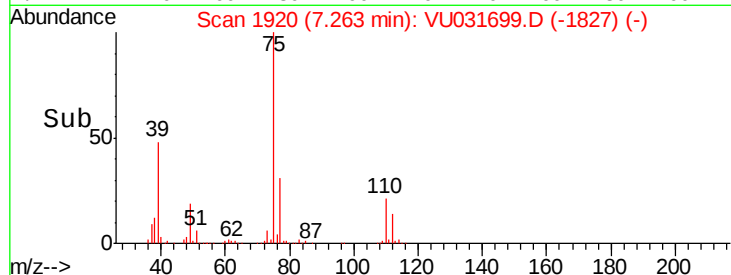
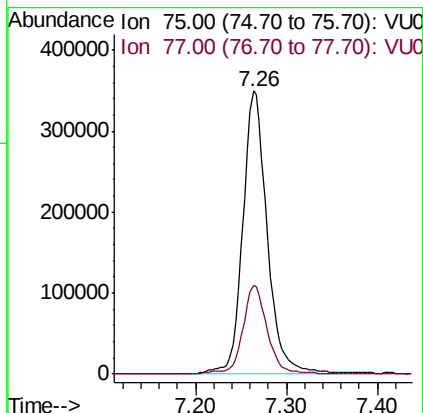
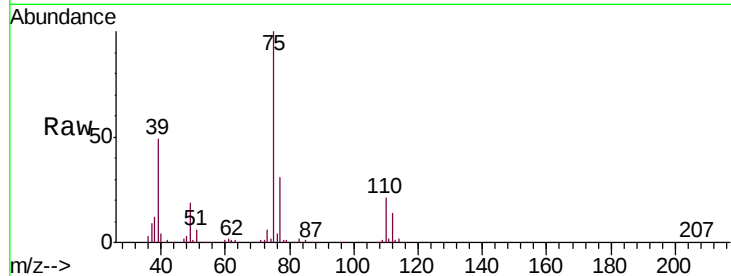


#39

cis-1,3-Dichloropropene
 Concen: 53.895 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

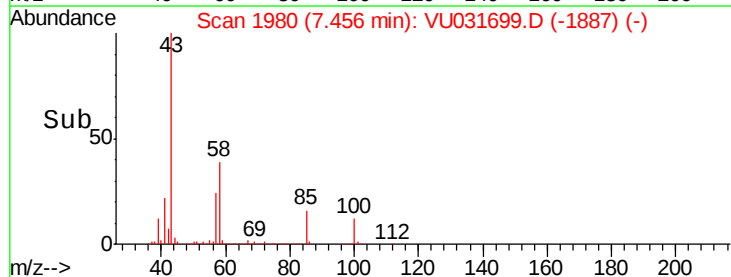
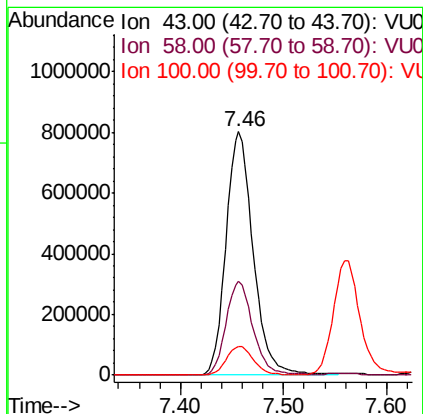
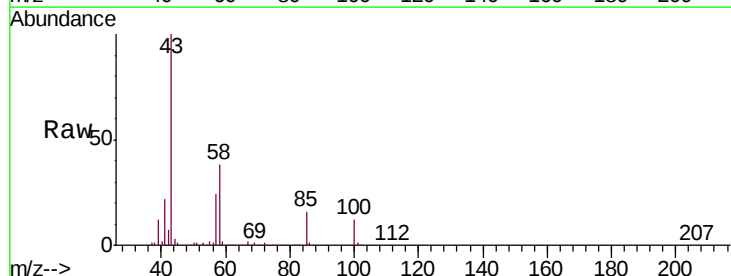
Tgt Ion: 75 Resp: 653760
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1

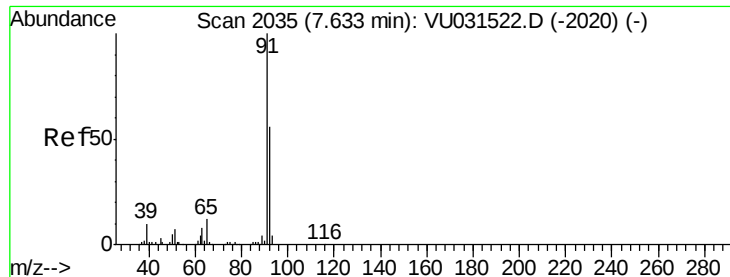


#40

4-Methyl-2-pentanone
 Concen: 104.570 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion: 43 Resp: 1476929
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.1 45.1
 100 12.0 9.6 14.4





#42

Toluene

Concen: 49.199 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

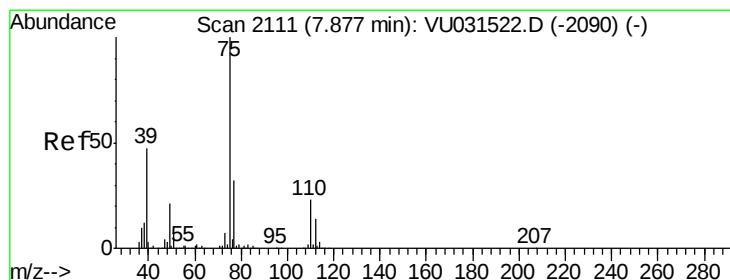
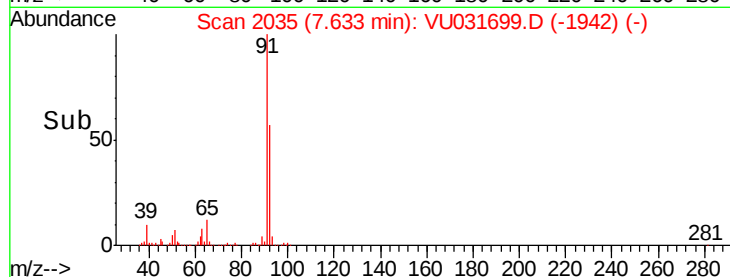
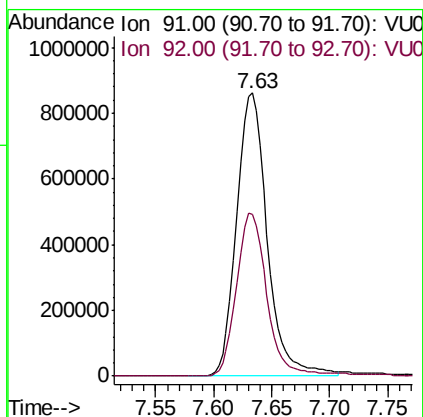
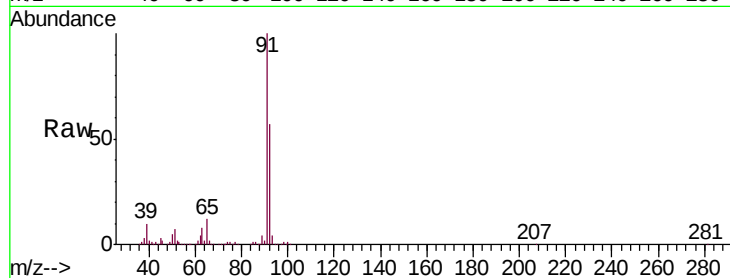
VSTD05060

Tgt Ion: 91 Resp: 1584778

Ion Ratio Lower Upper

91 100

92 57.3 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 50.533 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU031699.D

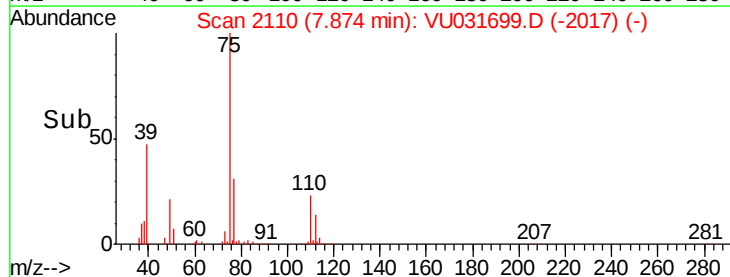
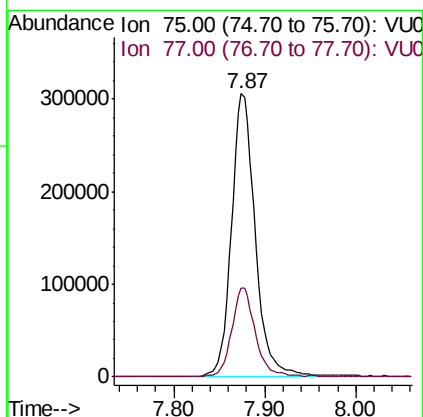
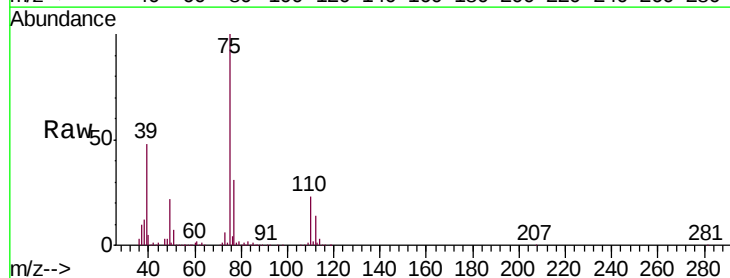
Acq: 02 May 2019 09:57

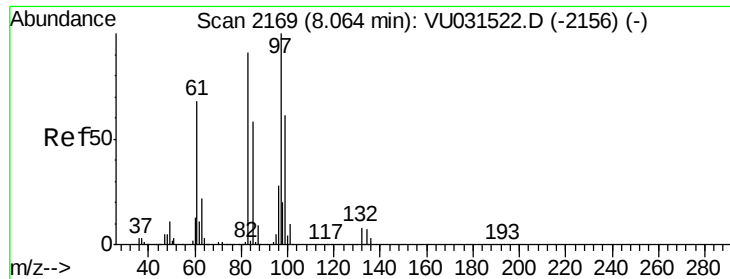
Tgt Ion: 75 Resp: 555974

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

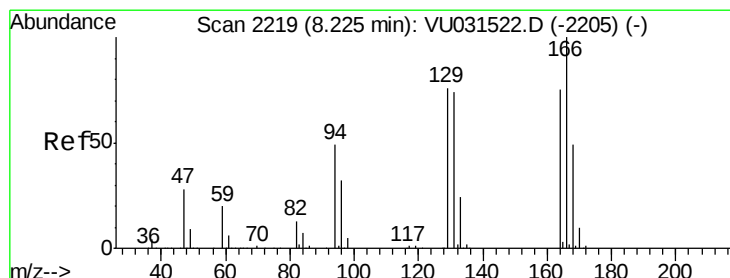
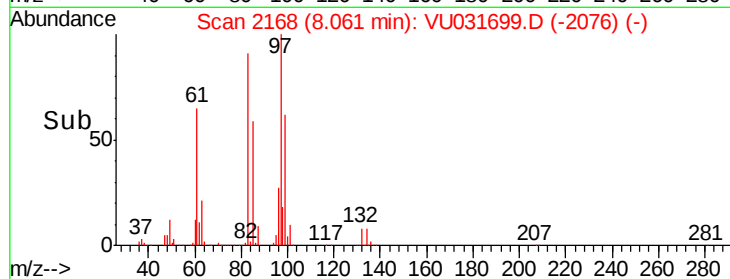
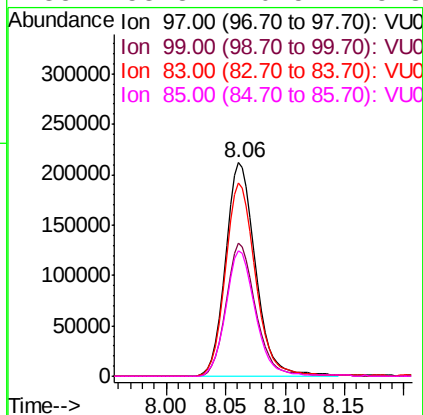
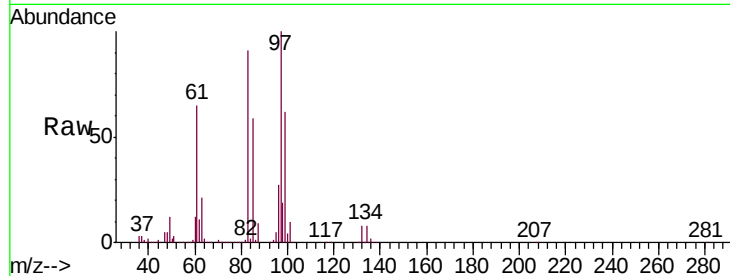




#45
 1,1,2-Trichloroethane
 Concen: 48.929 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

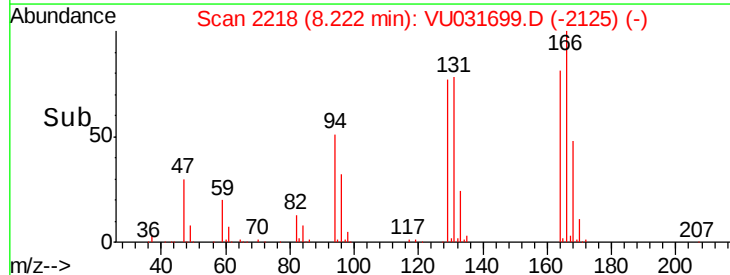
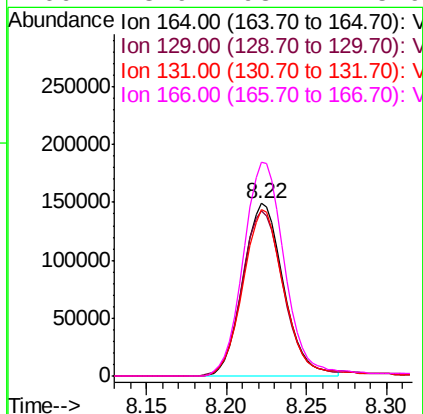
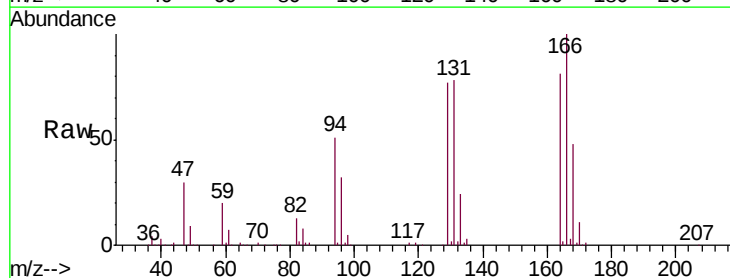
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

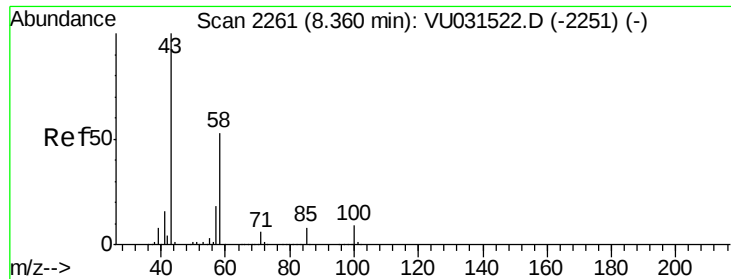
Tgt Ion:	97	Resp:	370297
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	80.0
83	90.8	63.6	118.2
85	58.8	40.5	75.3



#46
 Tetrachloroethene
 Concen: 48.446 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion:	164	Resp:	258884
Ion	Ratio	Lower	Upper
164	100		
129	95.5	71.5	132.9
131	96.6	69.0	128.2
166	123.9	93.7	173.9

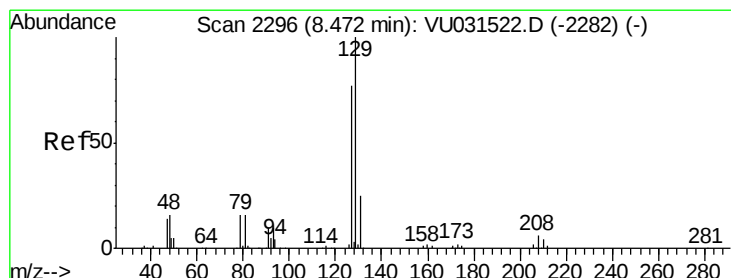
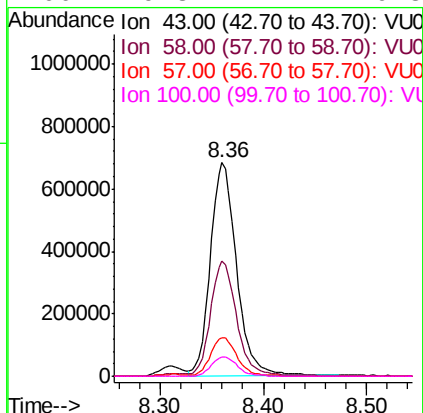
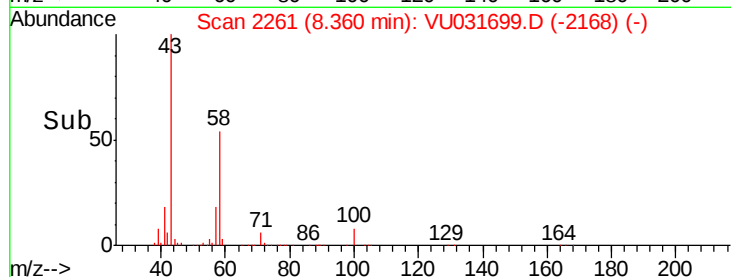
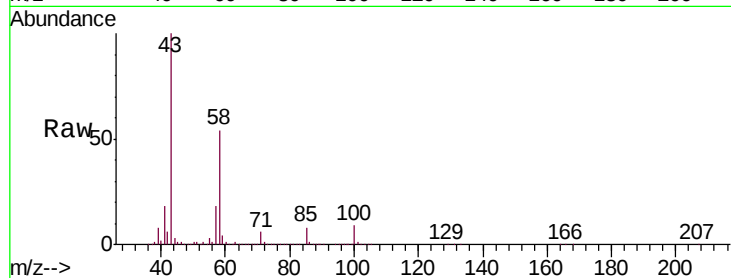




#48
2-Hexanone
Concen: 104.998 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

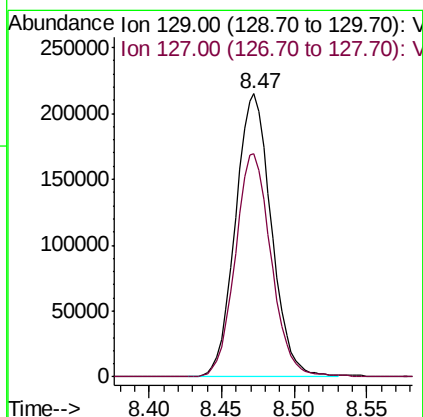
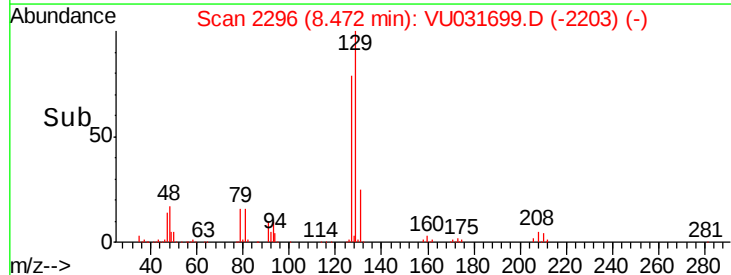
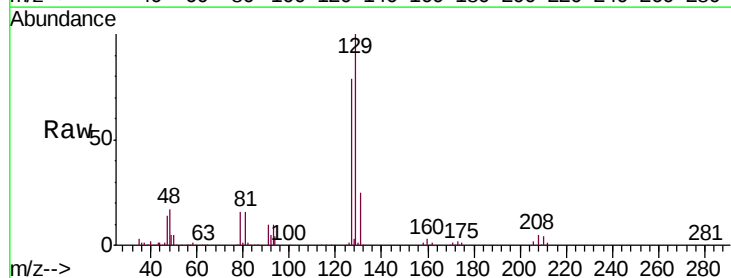
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

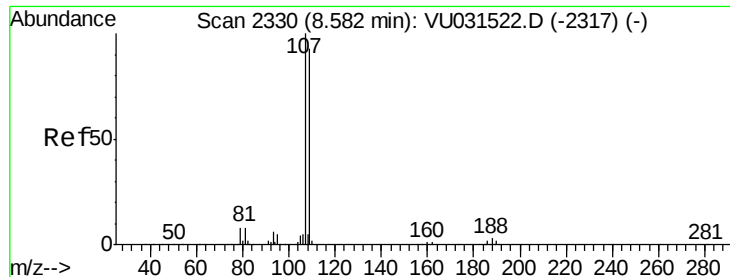
Tgt Ion: 43 Resp: 1199417
Ion Ratio Lower Upper
43 100
58 54.1 42.1 63.1
57 18.2 14.6 22.0
100 9.3 7.2 10.8



#49
Dibromochloromethane
Concen: 47.074 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031699.D
Acq: 02 May 2019 09:57

Tgt Ion: 129 Resp: 370681
Ion Ratio Lower Upper
129 100
127 79.1 54.0 100.2

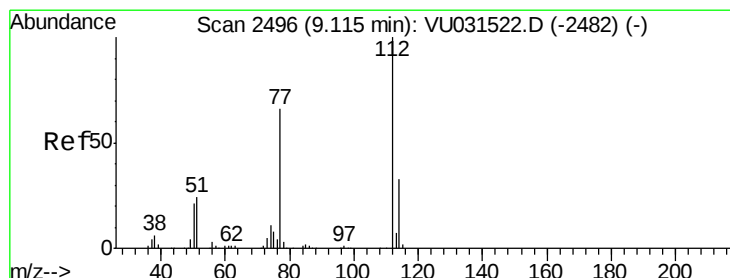
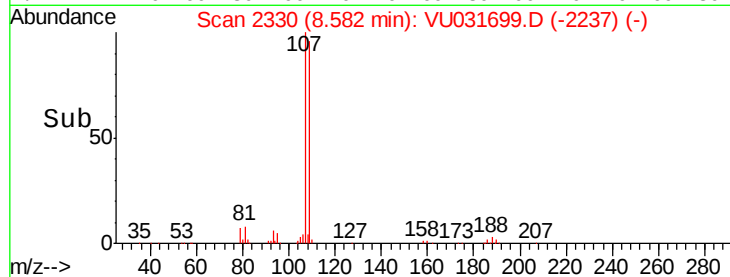
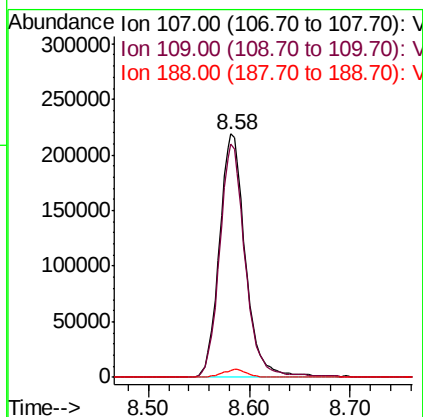
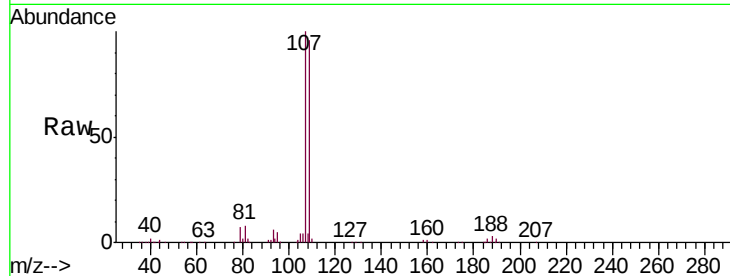




#50
 1,2-Dibromoethane
 Concen: 49.244 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

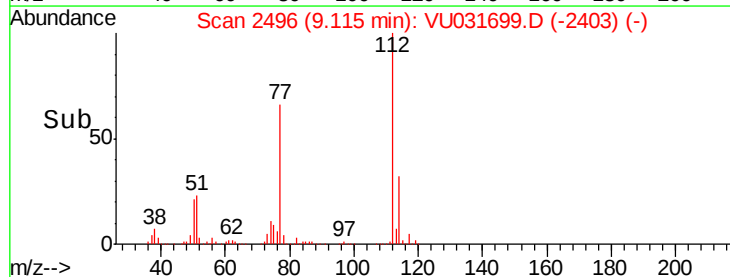
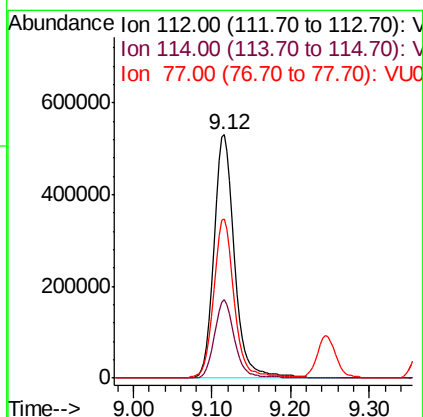
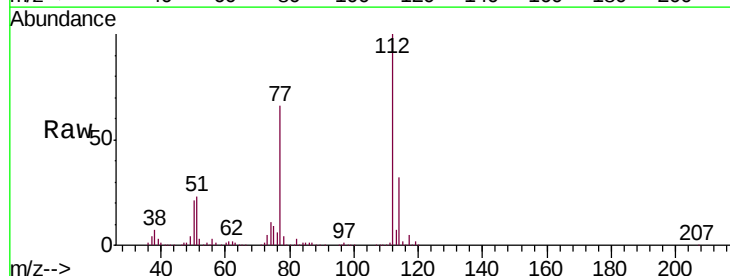
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

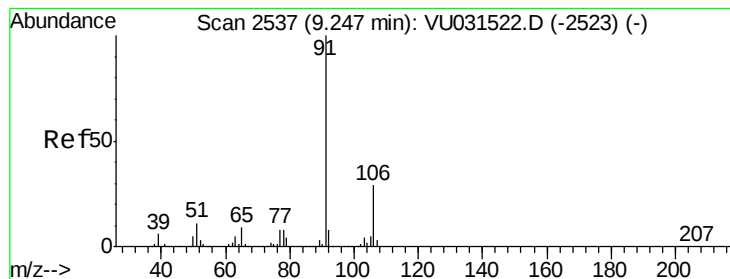
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	64.9	120.5
188	2.8	2.4	3.6



#51
 Chlorobenzene
 Concen: 50.024 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.3	43.3
77	65.6	53.0	79.4





#52

Ethylbenzene

Concen: 52.677 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

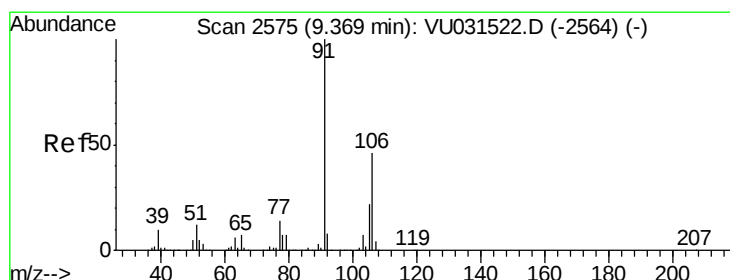
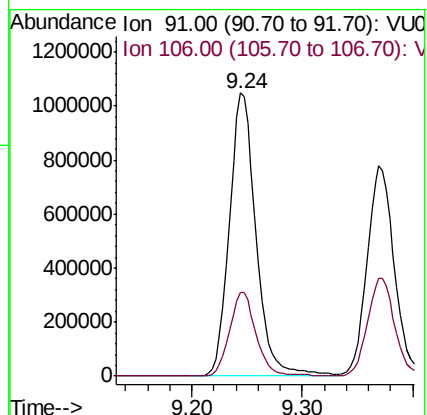
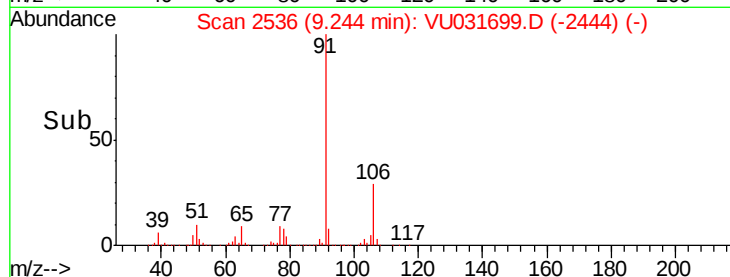
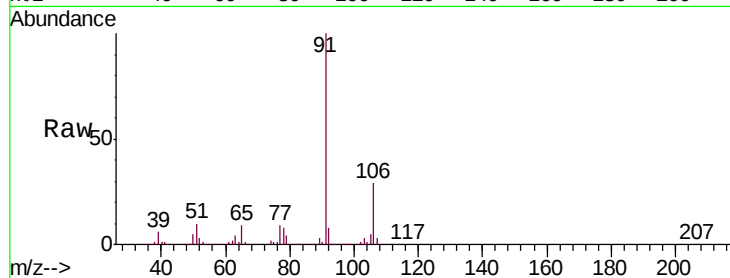
VSTD05060

Tgt Ion: 91 Resp: 1760100

Ion Ratio Lower Upper

91 100

106 29.4 20.4 37.8



#53

m,p-Xylene

Concen: 53.915 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031699.D

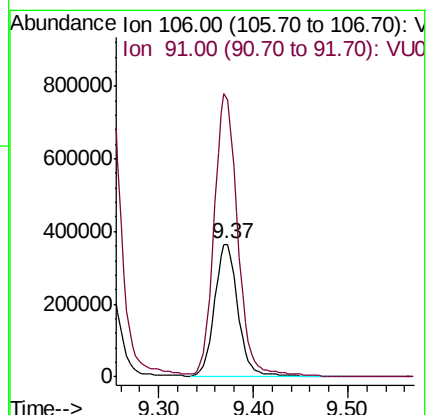
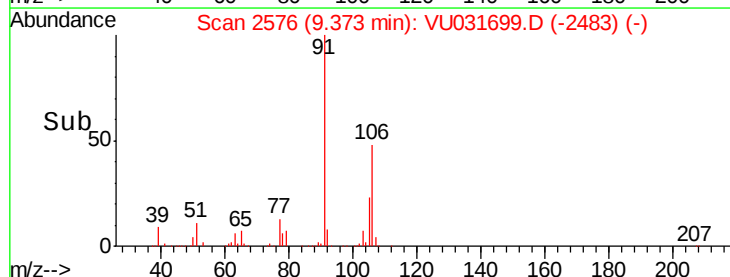
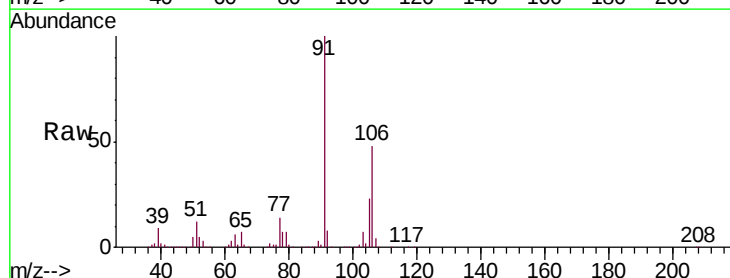
Acq: 02 May 2019 09:57

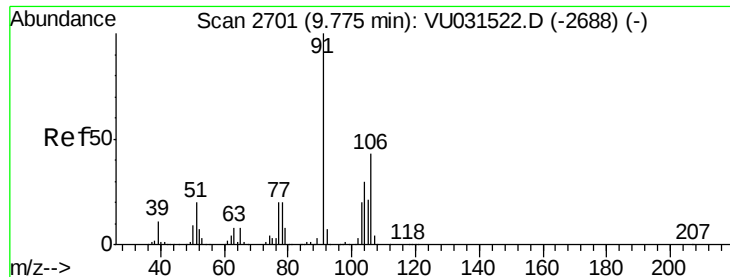
Tgt Ion: 106 Resp: 627653

Ion Ratio Lower Upper

106 100

91 209.4 152.2 282.6





#54

o-xylene

Concen: 54.070 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

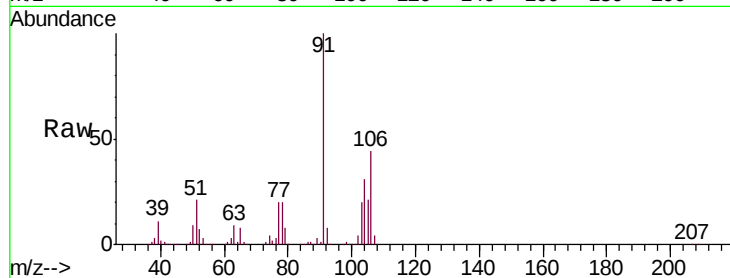
VSTD05060

Tgt Ion:106 Resp: 624048

Ion Ratio Lower Upper

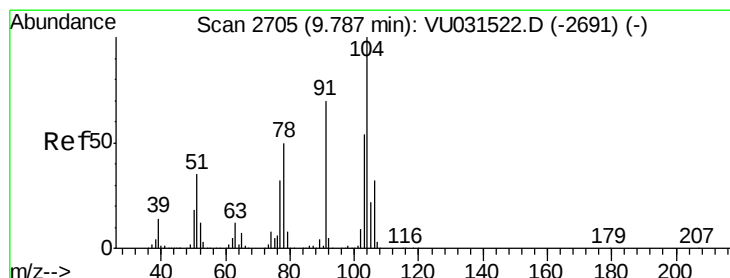
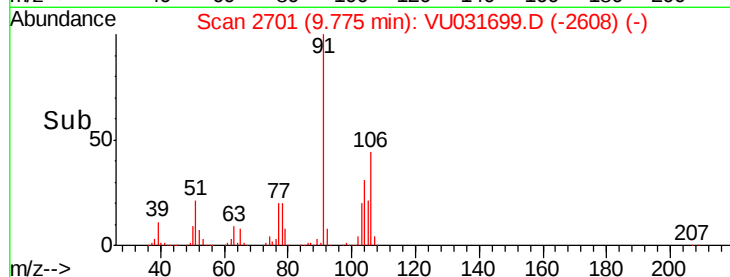
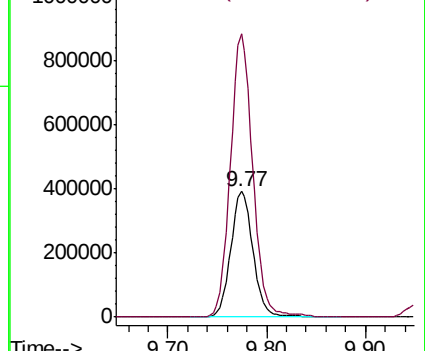
106 100

91 225.2 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU



#55

Styrene

Concen: 53.921 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031699.D

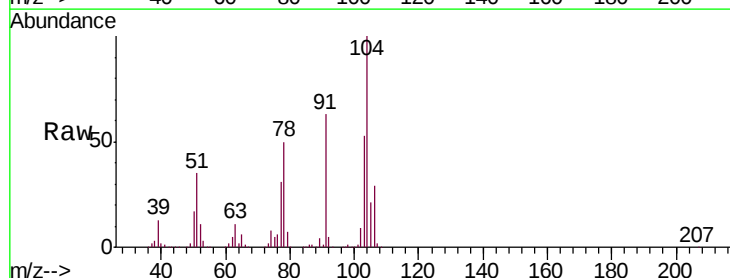
Acq: 02 May 2019 09:57

Tgt Ion:104 Resp: 1063242

Ion Ratio Lower Upper

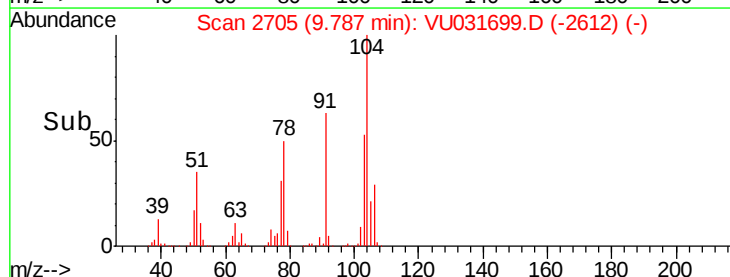
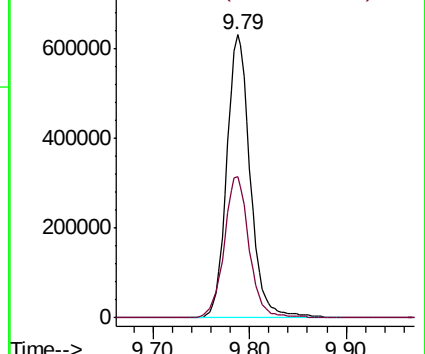
104 100

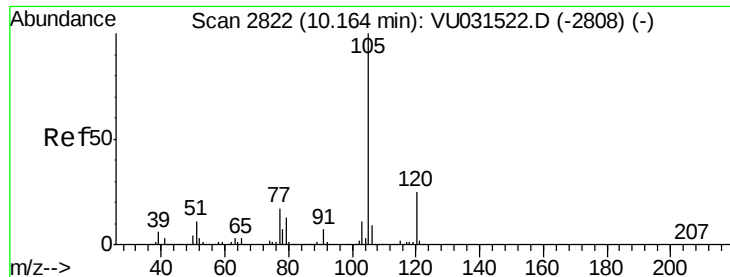
78 49.8 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU





#56

Isopropylbenzene

Concen: 54.045 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

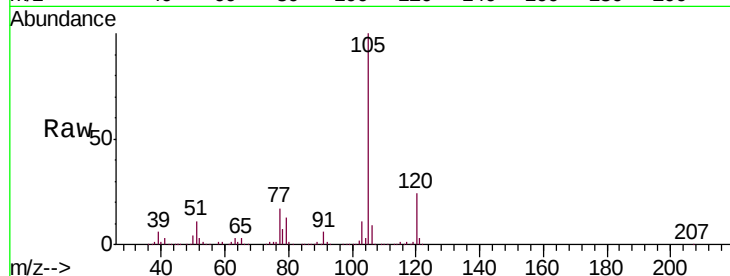
Tgt Ion: 105 Resp: 1640232

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

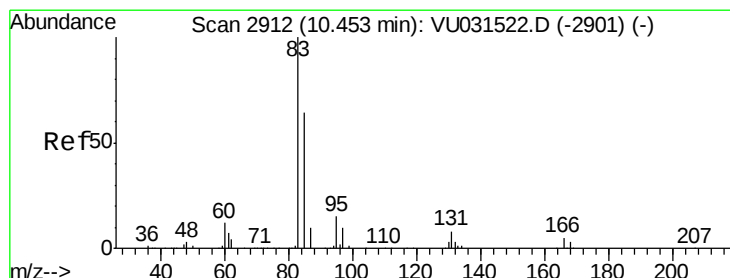
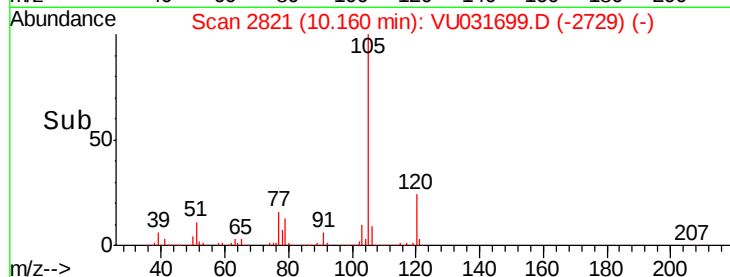
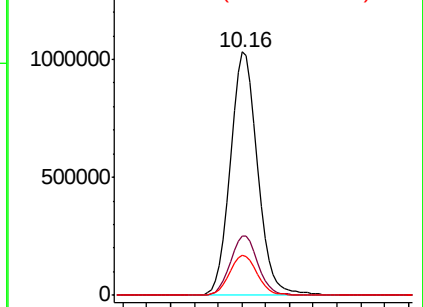
77 16.9 13.8 20.6



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: 48.418 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

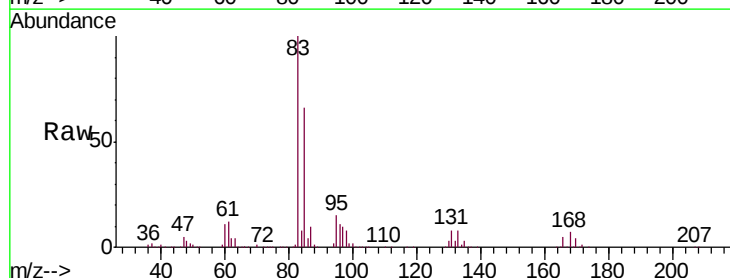
Tgt Ion: 83 Resp: 650226

Ion Ratio Lower Upper

83 100

85 66.2 46.0 85.4

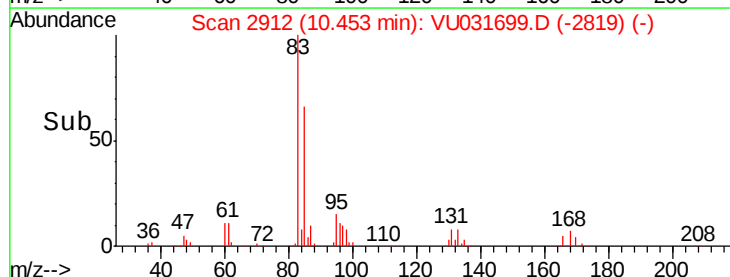
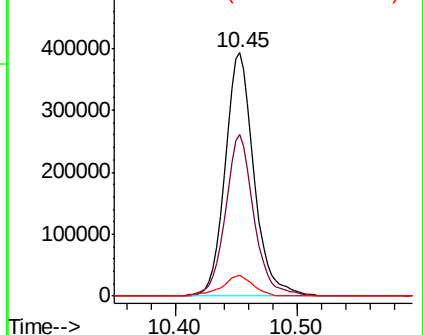
131 8.3 7.3 10.9

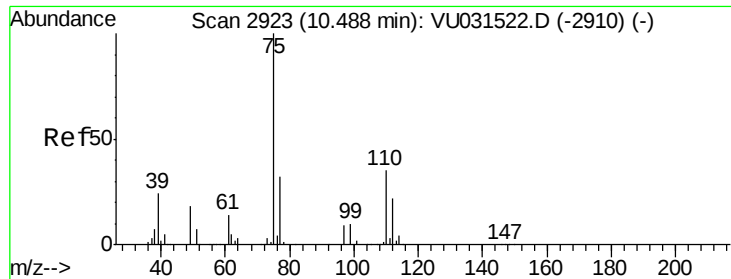


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.470 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

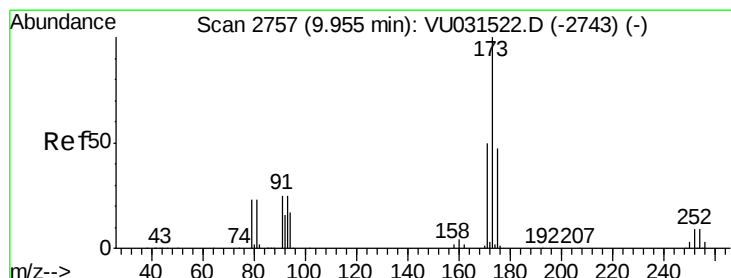
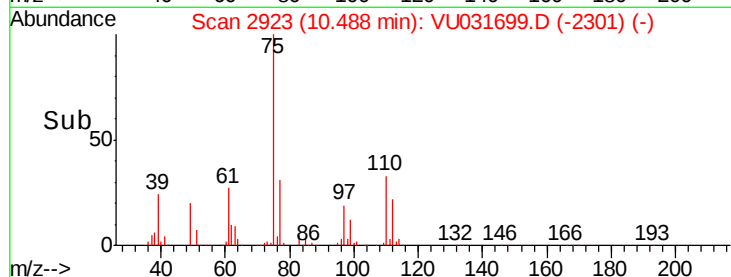
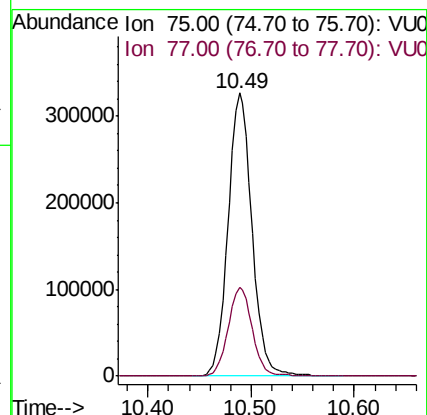
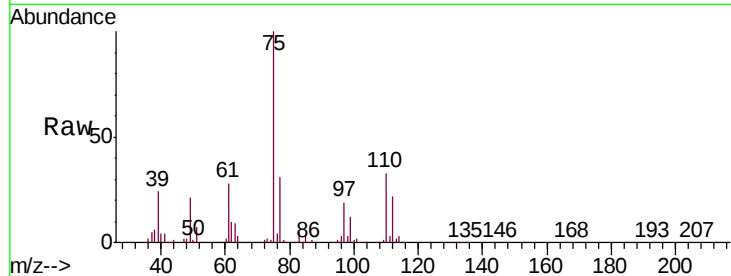
VSTD05060

Tgt Ion: 75 Resp: 527554

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#61

Bromoform

Concen: 45.110 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

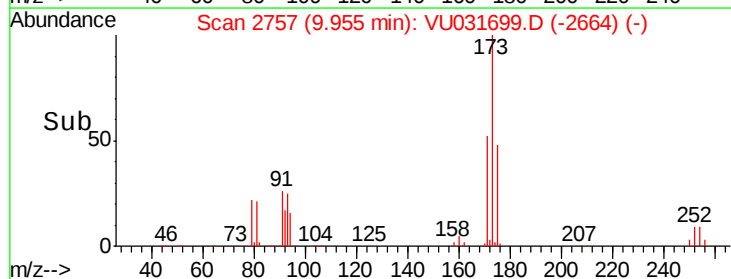
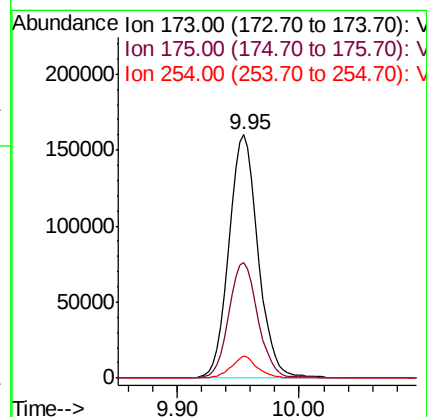
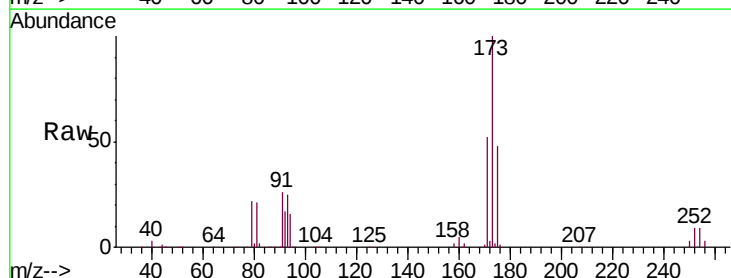
Tgt Ion: 173 Resp: 268831

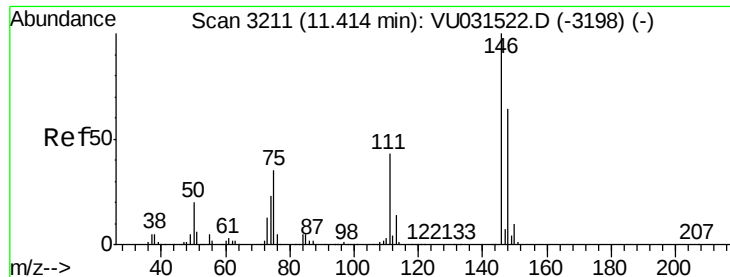
Ion Ratio Lower Upper

173 100

175 47.6 38.3 57.5

254 8.1 6.6 9.8

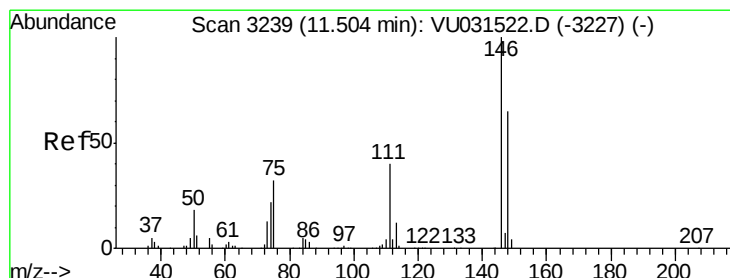
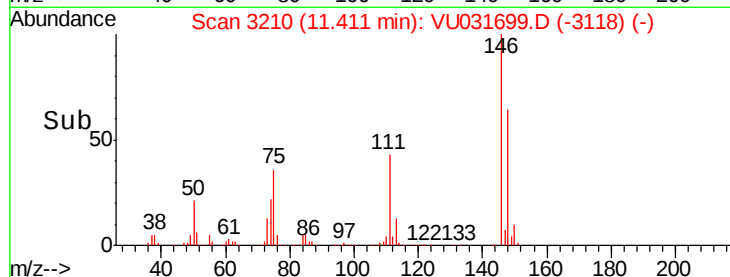
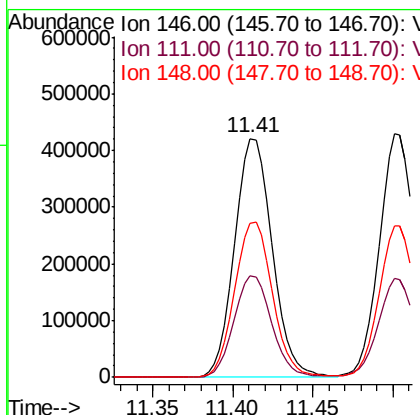
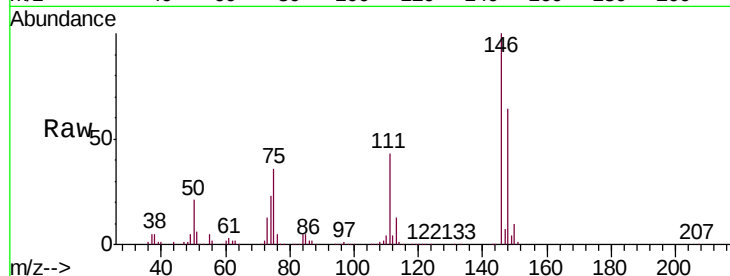




#62
 1,3-Dichlorobenzene
 Concen: 50.845 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

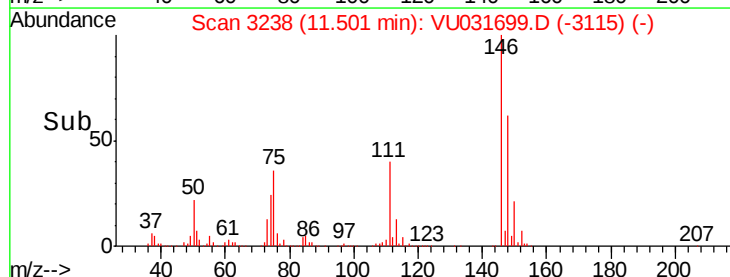
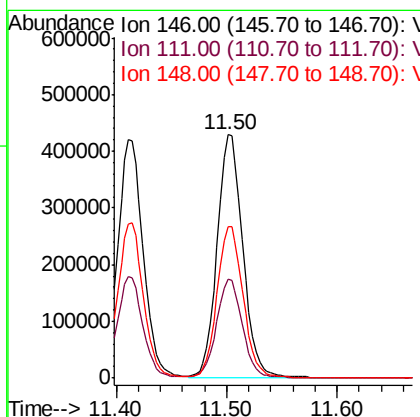
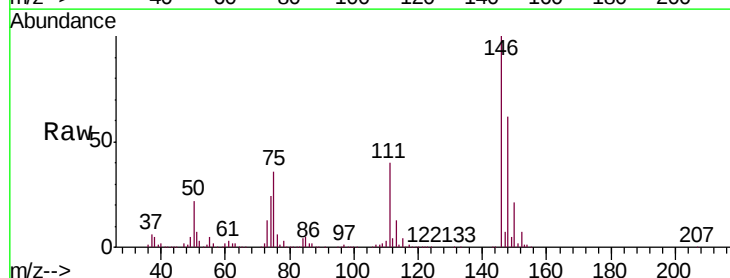
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

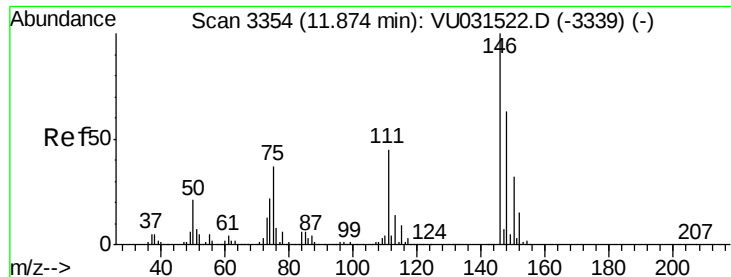
Tgt Ion:146 Resp: 676641
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.4
 148 64.5 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 50.226 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion:146 Resp: 692218
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.2 52.4
 148 62.1 45.4 84.4

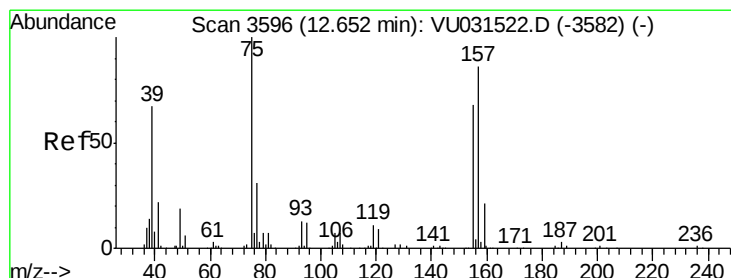
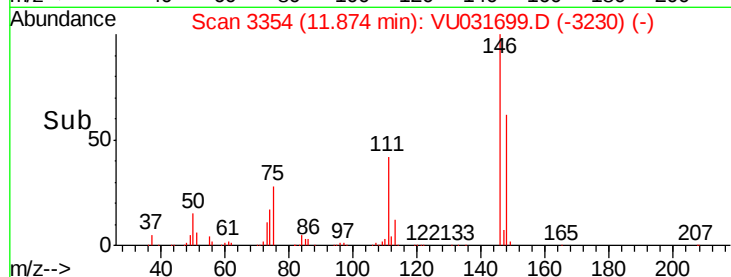
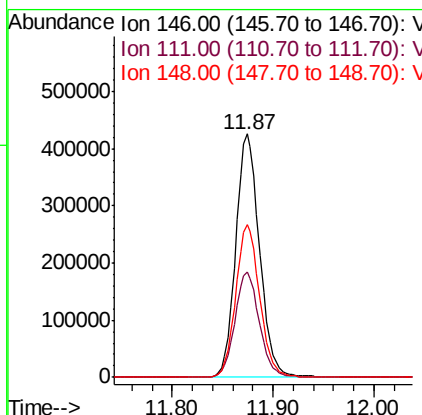
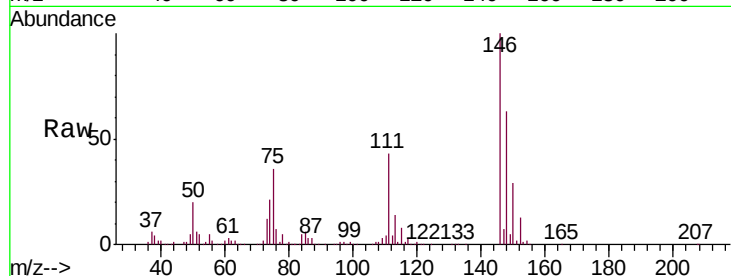




#65
 1,2-Dichlorobenzene
 Concen: 49.144 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

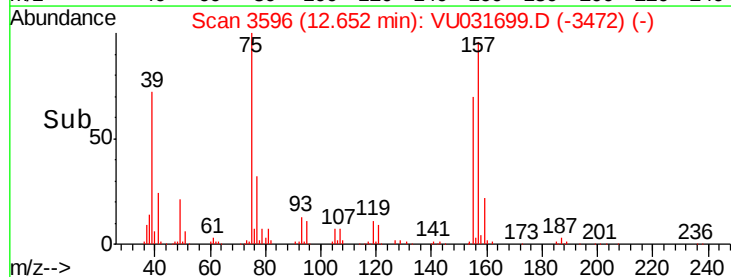
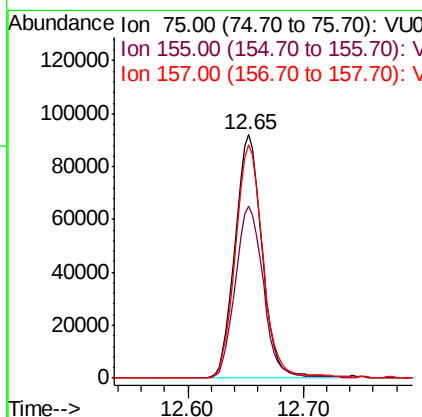
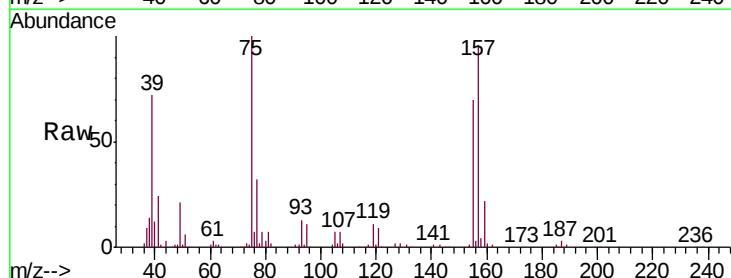
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05060

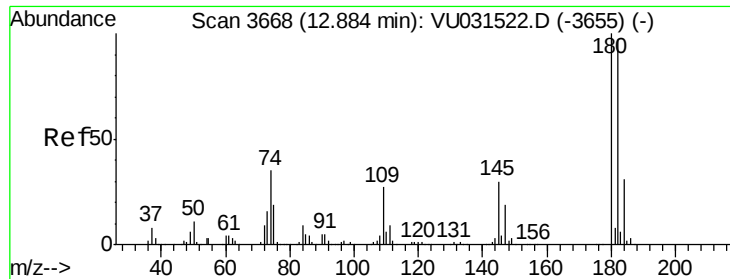
Tgt Ion:146 Resp: 695073
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.9 53.9
 148 62.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.134 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion: 75 Resp: 148154
 Ion Ratio Lower Upper
 75 100
 155 70.4 54.0 81.0
 157 96.1 69.1 103.7

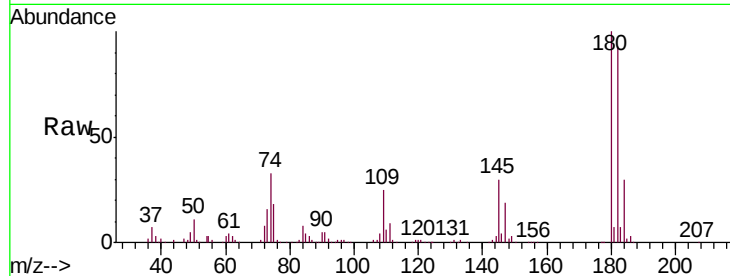




#67
 1,3,5-Trichlorobenzene
 Concen: 49.485 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
184	30.1	24.4	36.6
145	29.8	23.8	35.8



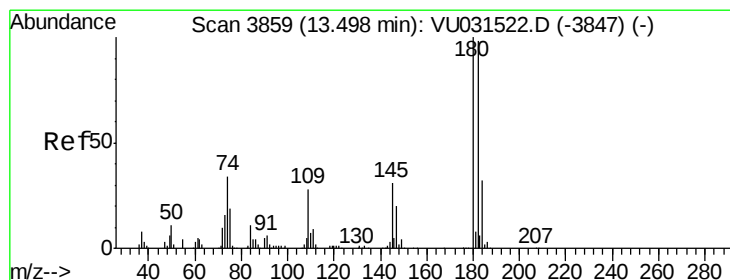
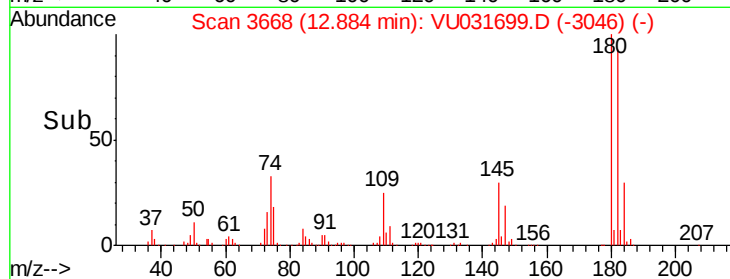
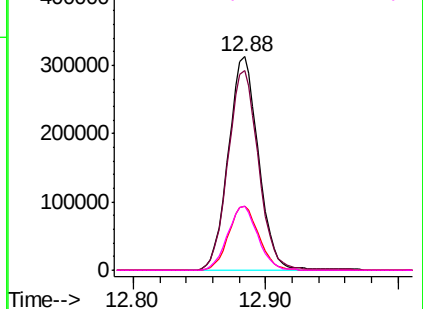
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

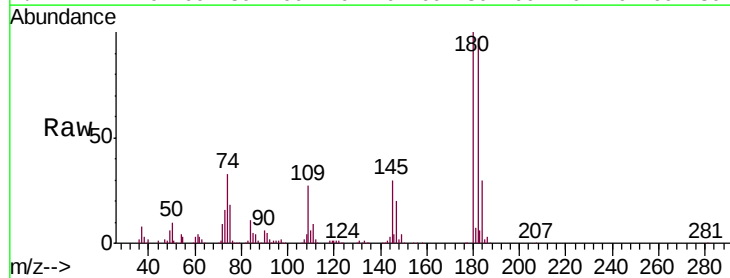
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.575 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031699.D
 Acq: 02 May 2019 09:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	30.5	24.5	36.7

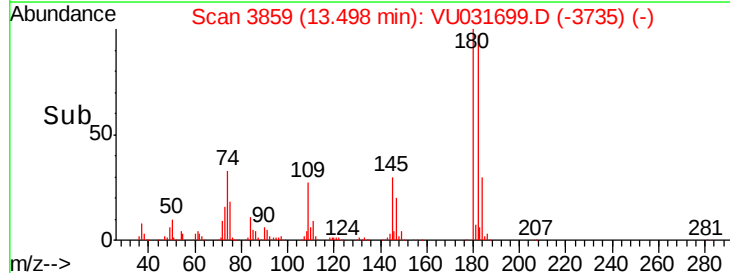
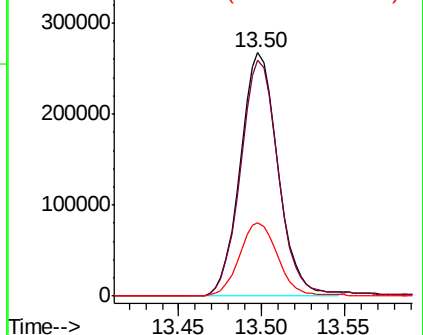


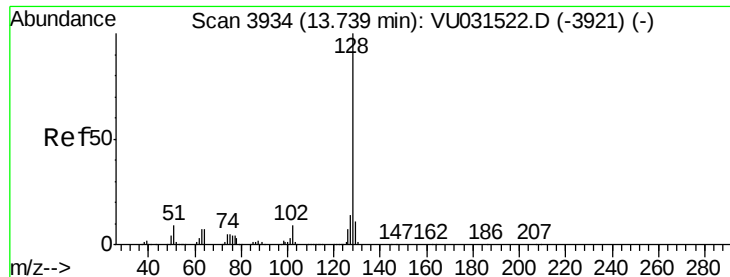
Abundance

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: 58.616 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

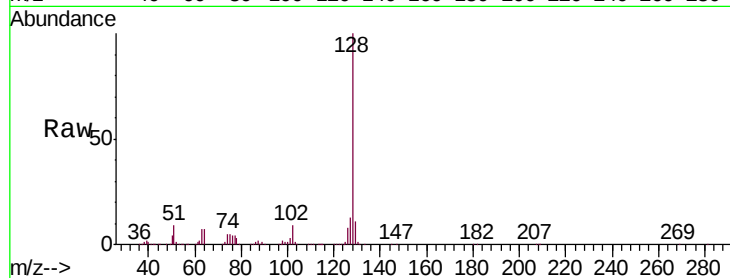
Tgt Ion:128 Resp: 1576997

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

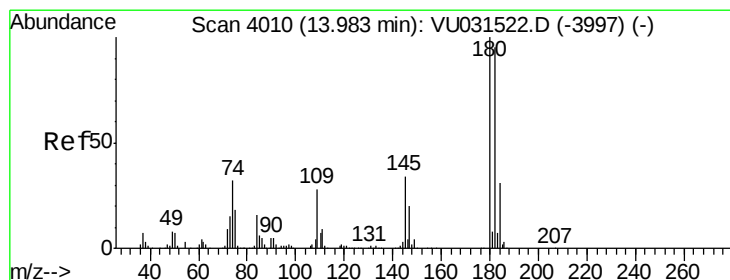
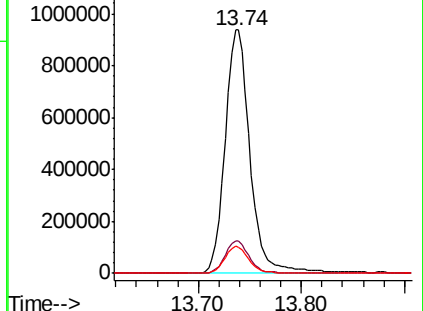
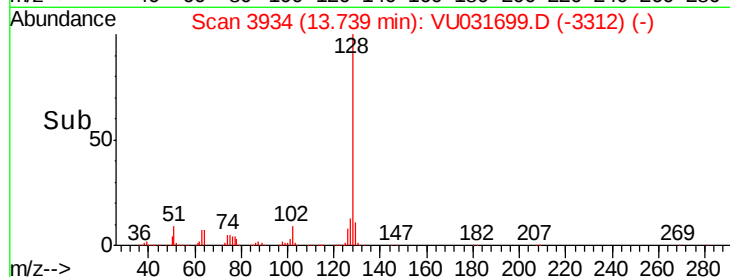
129 10.8 8.7 13.1



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: 48.477 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031699.D

Acq: 02 May 2019 09:57

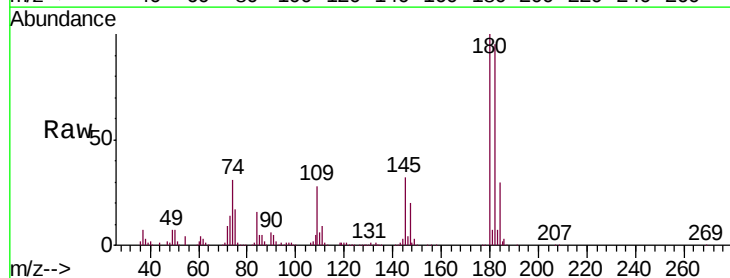
Tgt Ion:180 Resp: 435497

Ion Ratio Lower Upper

180 100

182 97.0 76.1 114.1

145 31.8 26.0 39.0



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

