

Data File : VU031670.D
Acq On : 01 May 2019 09:35
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: May 02 02:18:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	895703	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	867651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	392589	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	437260	58.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.66%
7) Chloroethane-d5	1.68	69	321259	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.92%
11) 1,1-Dichloroethene-d2	2.27	63	796859	53.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.76%
21) 2-Butanone-d5	4.19	46	764949	112.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.62%
24) Chloroform-d	4.64	84	690379	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
26) 1,2-Dichloroethane-d4	5.31	65	443107	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
32) Benzene-d6	5.33	84	1384493	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
36) 1,2-Dichloropropane-d6	6.32	67	480388	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.50%
41) Toluene-d8	7.56	98	1224386	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%
43) trans-1,3-Dichloropropene-	7.85	79	210134	52.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.44%
47) 2-Hexanone-d5	8.31	63	482598	118.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	624201	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	409708	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	458641	46.565 ug/L	99
3) Chloromethane	1.32	50	551696	46.295 ug/L	100
5) Vinyl chloride	1.40	62	519987	46.671 ug/L	100
6) Bromomethane	1.63	94	267253	45.485 ug/L	99
8) Chloroethane	1.70	64	296234	48.641 ug/L	98
9) Trichlorofluoromethane	1.88	101	578857	45.576 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	351340	48.935 ug/L	100
12) 1,1-Dichloroethene	2.28	96	334661	47.888 ug/L	98
13) Acetone	2.34	43	830650	108.571 ug/L	99
14) Carbon disulfide	2.47	76	1050130	45.284 ug/L	100
15) Methyl Acetate	2.62	43	588932	50.873 ug/L	99
16) Methylene chloride	2.70	84	402757	48.836 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	352807	48.451 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	1267846	54.649 ug/L	99
19) 1,1-Dichloroethane	3.44	63	763762	49.803 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	397215	50.853 ug/L	96
22) 2-Butanone	4.27	43	998383	117.785 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	184233	48.539	ug/L	96
25) Chloroform	4.67	83	708391	48.306	ug/L	100
27) 1,2-Dichloroethane	5.40	62	576063	48.362	ug/L	99
29) Cyclohexane	4.99	56	748630	54.517	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	575616	47.350	ug/L	99
31) Carbon tetrachloride	5.13	117	480517	46.245	ug/L	100
33) Benzene	5.38	78	1590986	49.874	ug/L	100
34) Trichloroethene	6.18	95	396712	51.303	ug/L	98
35) Methylcyclohexane	6.41	83	639673	55.198	ug/L	98
37) 1,2-Dichloropropane	6.43	63	458022	50.576	ug/L	99
38) Bromodichloromethane	6.75	83	528760	48.154	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	662636	55.374	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1572760	112.878	ug/L	100
42) Toluene	7.63	91	1632928	51.388	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	575009	52.978	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	377430	50.554	ug/L	97
46) Tetrachloroethene	8.22	164	263837	50.048	ug/L	99
48) 2-Hexanone	8.36	43	1316730	116.845	ug/L	99
49) Dibromochloromethane	8.47	129	378433	48.716	ug/L	99
50) 1,2-Dibromoethane	8.58	107	403043	51.115	ug/L	99
51) Chlorobenzene	9.12	112	965179	51.399	ug/L	98
52) Ethylbenzene	9.25	91	1791833	54.360	ug/L	100
53) m,p-Xylene	9.37	106	655270	57.057	ug/L	97
54) o-xylene	9.77	106	636796	55.929	ug/L	100
55) Styrene	9.79	104	1080130	55.527	ug/L	99
56) Isopropylbenzene	10.16	105	1679701	56.103	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	673830	50.862	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	550861	51.304	ug/L	99
61) Bromoform	9.95	173	270908	46.552	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	694897	53.472	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	686476	51.007	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	702772	50.883	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	156722	48.892	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	509279	52.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	451981	58.657	ug/L	98
69) Naphthalene	13.74	128	1655415	63.010	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	466912	53.223	ug/L	100

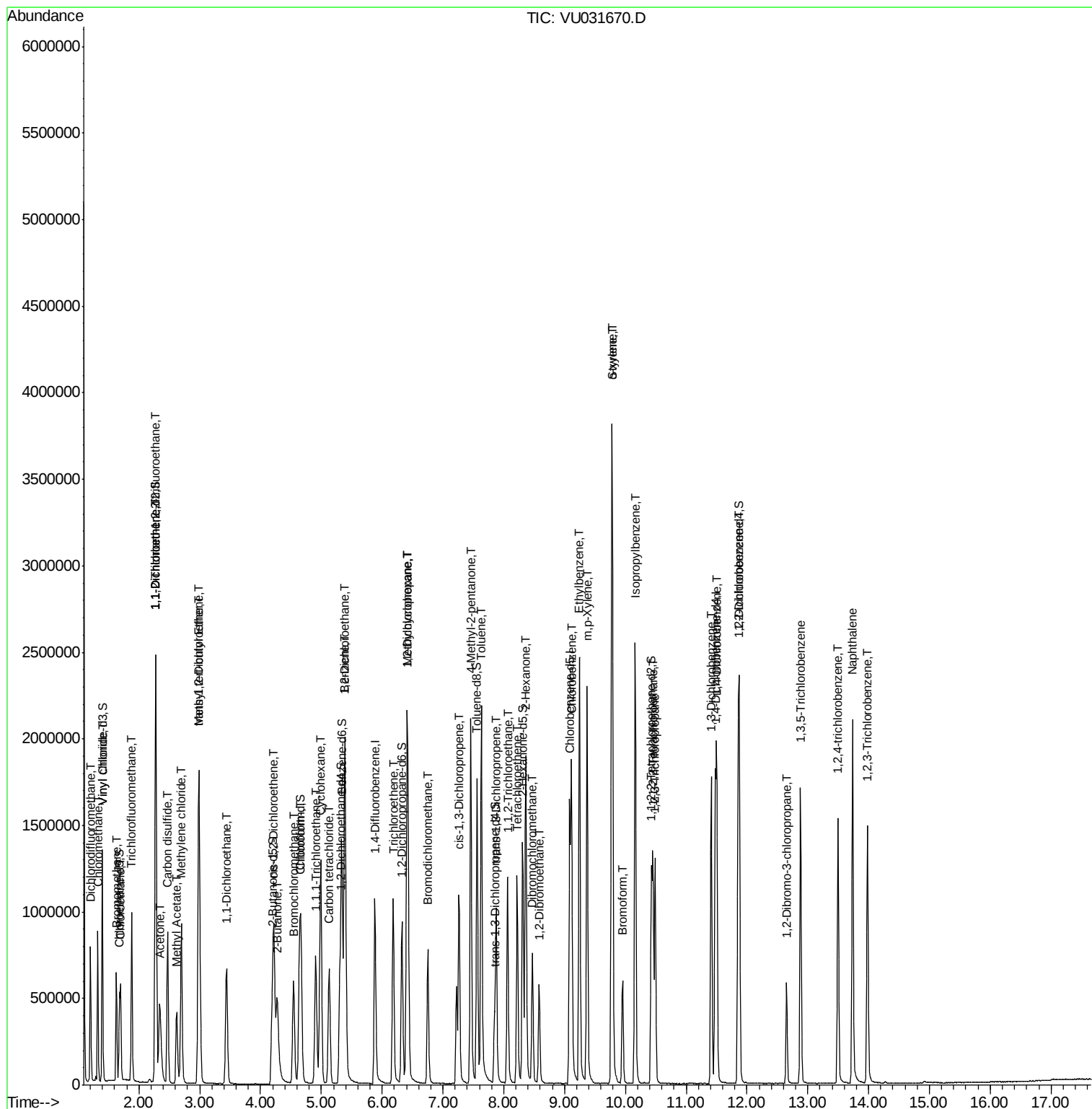
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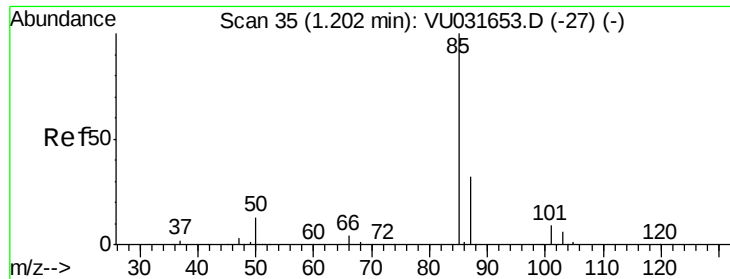
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#2

Dichlorodifluoromethane

Concen: 46.565 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

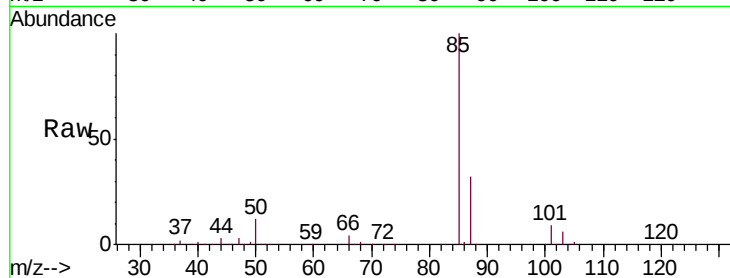
VSTD05058

Tgt Ion: 85 Resp: 458641

Ion Ratio Lower Upper

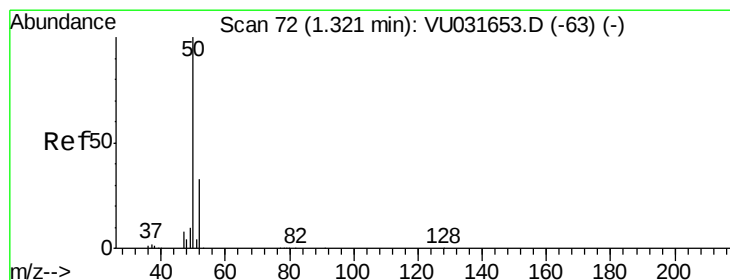
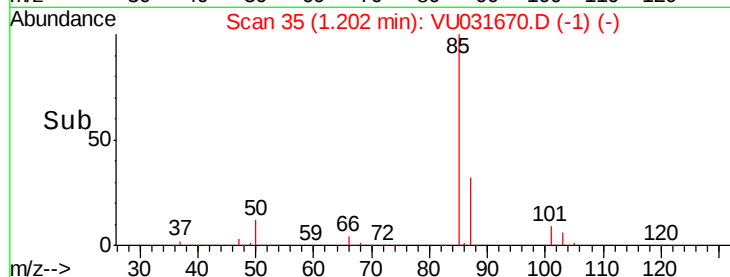
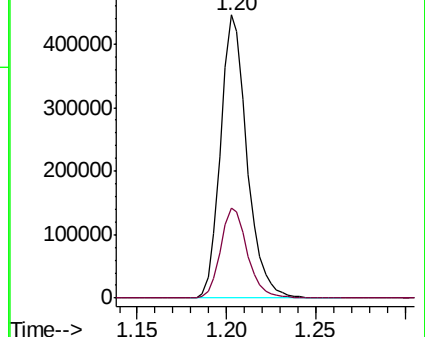
85 100

87 32.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031653.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031653.D (-27) (-)



#3

Chloromethane

Concen: 46.295 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031670.D

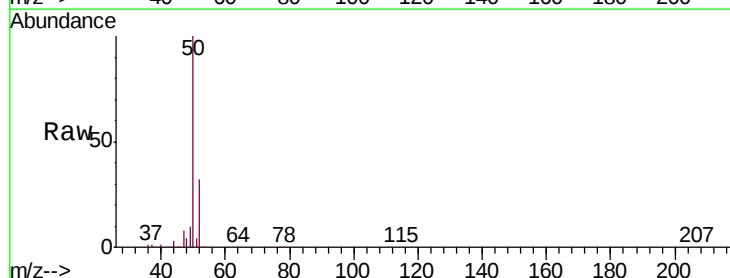
Acq: 01 May 2019 09:35

Tgt Ion: 50 Resp: 551696

Ion Ratio Lower Upper

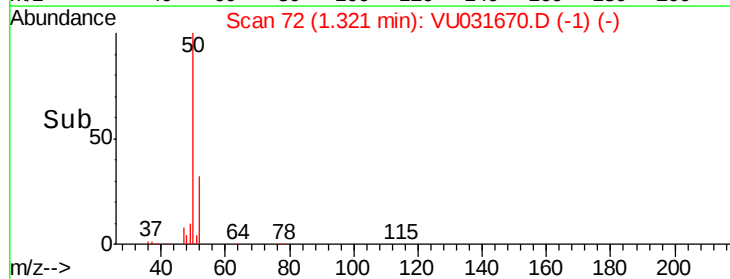
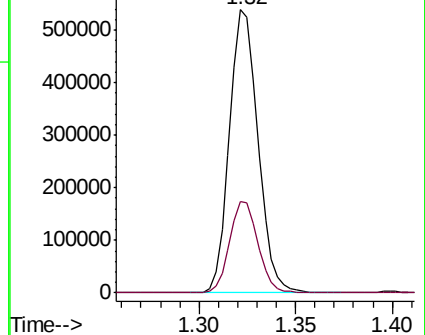
50 100

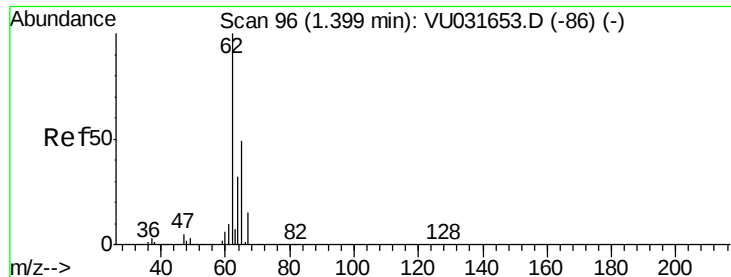
52 32.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031653.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU031653.D (-63) (-)





#5

Vinyl chloride

Concen: 46.671 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

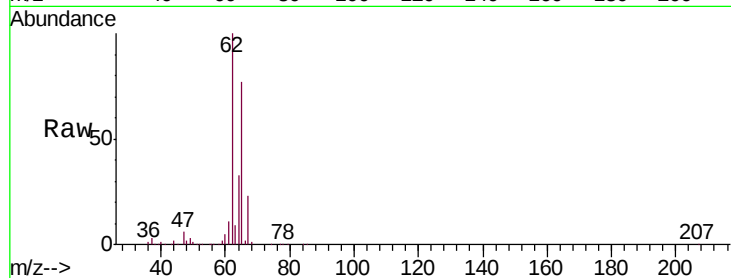
VSTD05058

Tgt Ion: 62 Resp: 519987

Ion Ratio Lower Upper

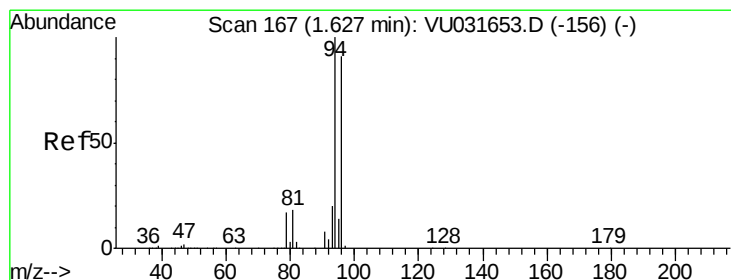
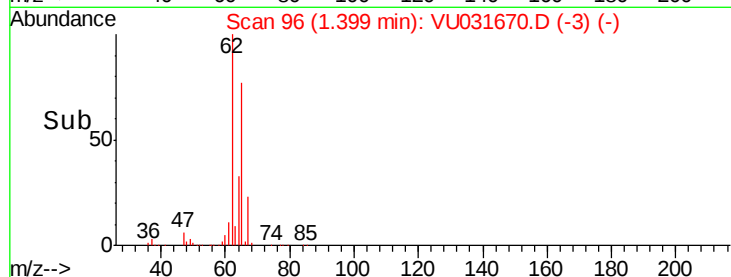
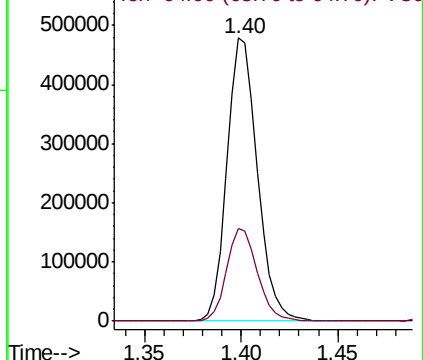
62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031653.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU031670.D (-74) (-)



#6

Bromomethane

Concen: 45.485 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031670.D

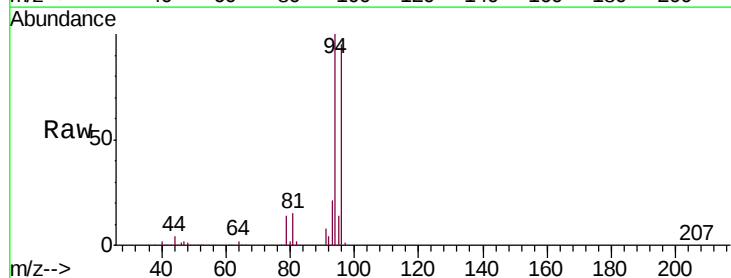
Acq: 01 May 2019 09:35

Tgt Ion: 94 Resp: 267253

Ion Ratio Lower Upper

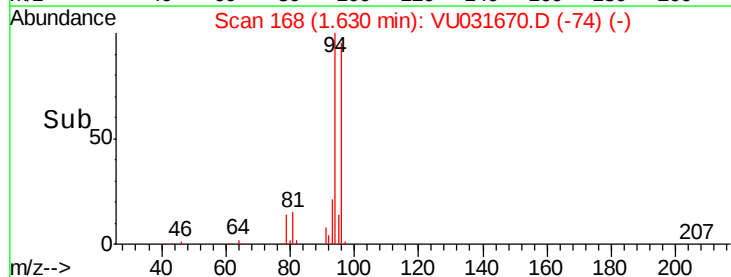
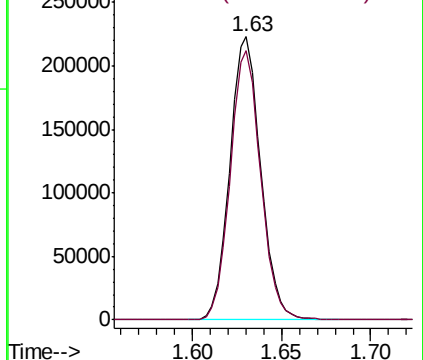
94 100

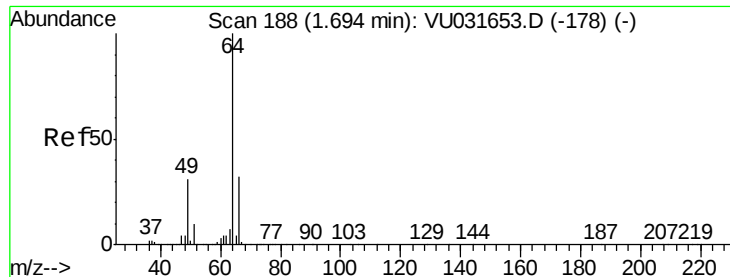
96 95.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031653.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU031670.D (-74) (-)





#8

Chloroethane

Concen: 48.641 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

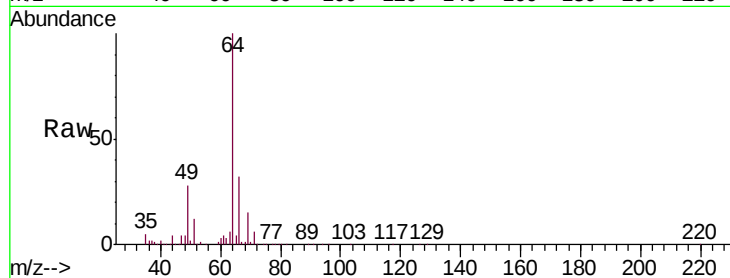
VSTD05058

Tgt Ion: 64 Resp: 296234

Ion Ratio Lower Upper

64 100

66 31.8 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU031670.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU031670.D (-64) (-)

1.70

250000

200000

150000

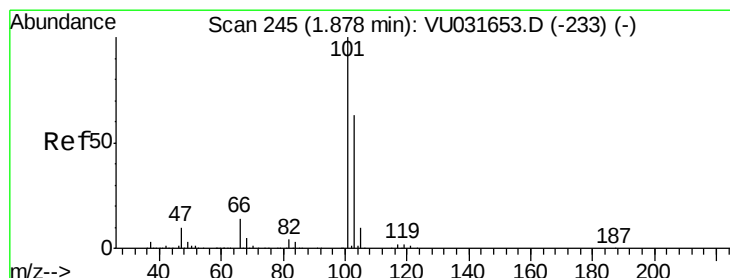
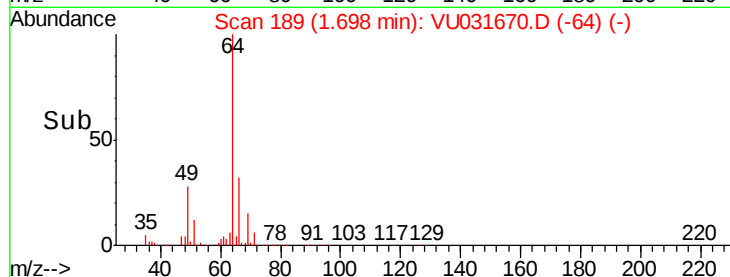
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 45.576 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031670.D

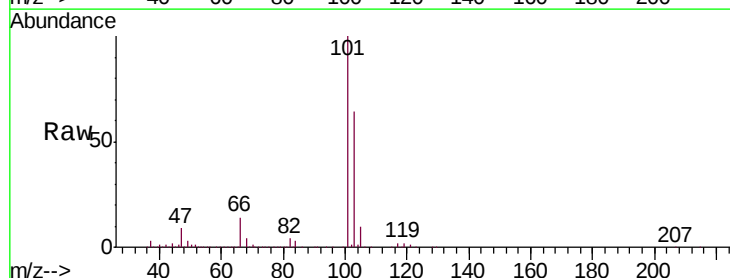
Acq: 01 May 2019 09:35

Tgt Ion: 101 Resp: 578857

Ion Ratio Lower Upper

101 100

103 64.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031670.D (-121) (-)

Ion 103.00 (102.70 to 103.70): VU031670.D (-121) (-)

1.88

500000

400000

300000

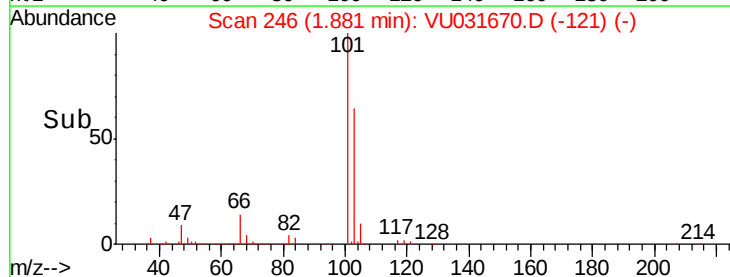
200000

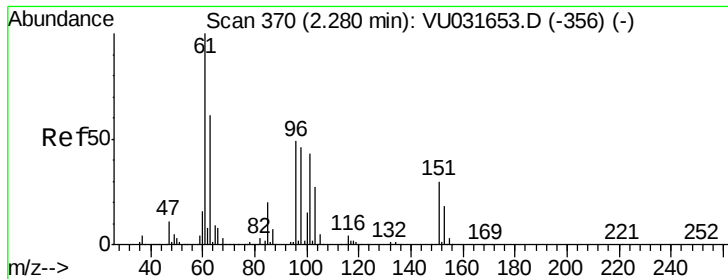
100000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 48.935 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031670.D

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ClientSampleId :

VSTD05058

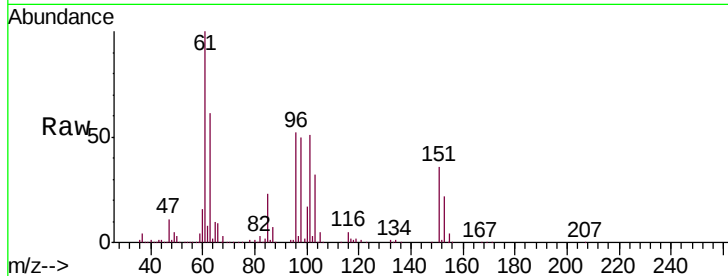
Tgt Ion: 101 Resp: 351340

Ion Ratio Lower Upper

101 100

85 45.7 36.1 54.1

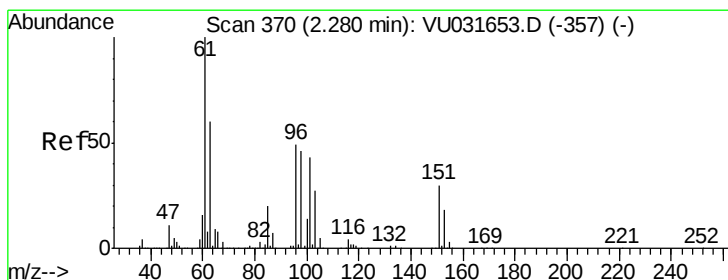
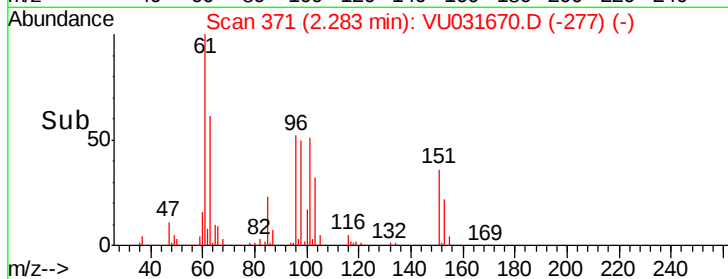
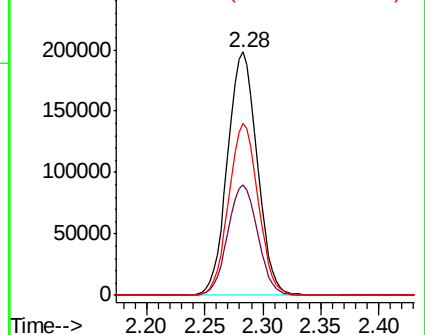
151 70.0 56.1 84.1



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: 47.888 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

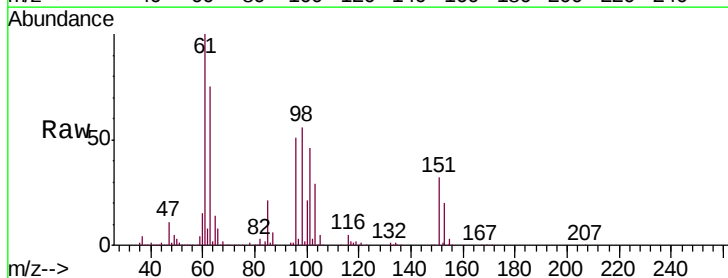
Tgt Ion: 96 Resp: 334661

Ion Ratio Lower Upper

96 100

61 194.2 135.0 250.6

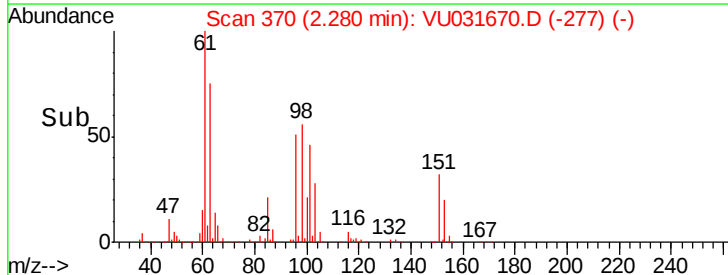
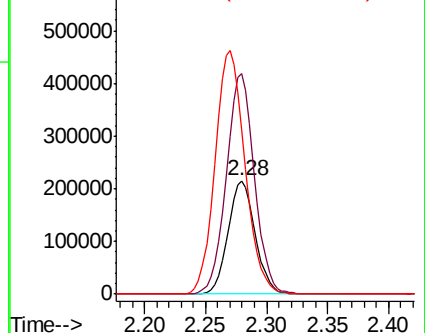
63 144.9 103.5 192.3

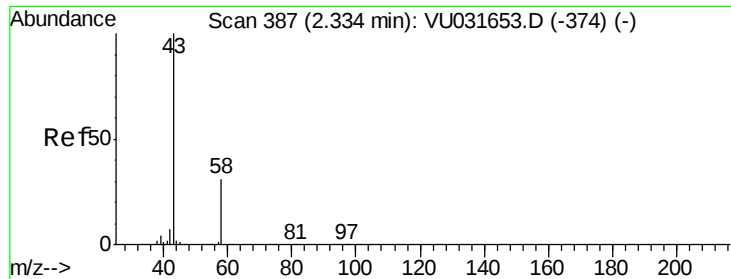


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.571 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU031670.D

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ClientSampleId :

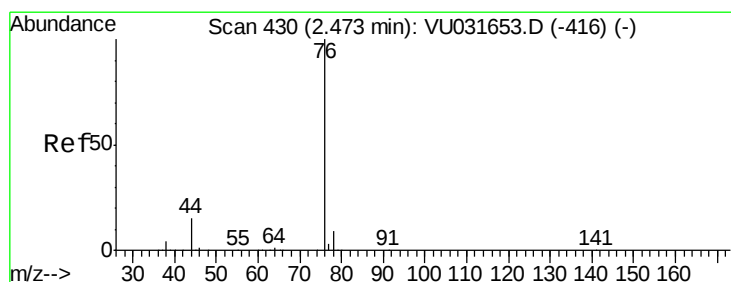
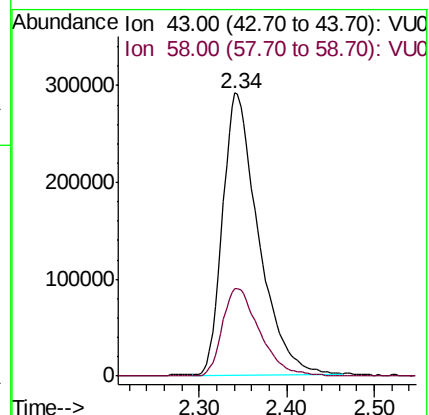
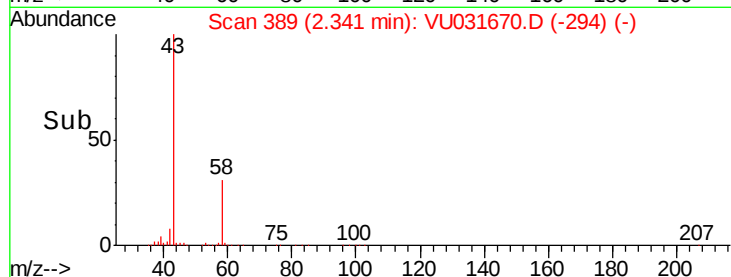
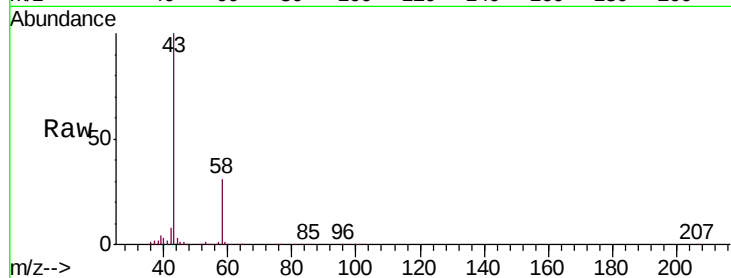
VSTD05058

Tgt Ion: 43 Resp: 830650

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.4



#14

Carbon disulfide

Concen: 45.284 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031670.D

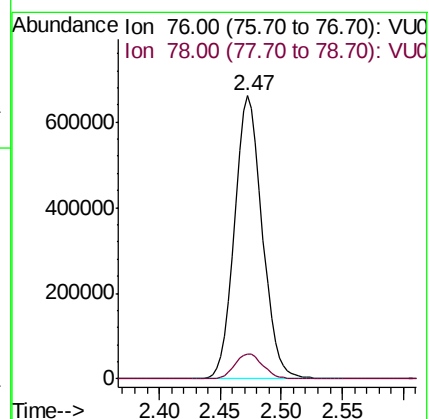
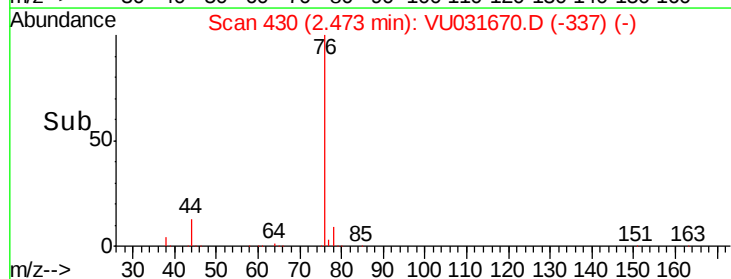
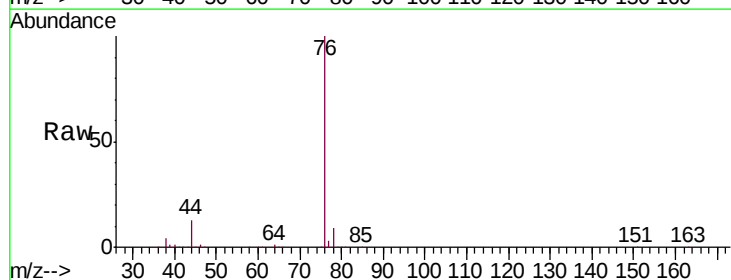
Acq: 01 May 2019 09:35

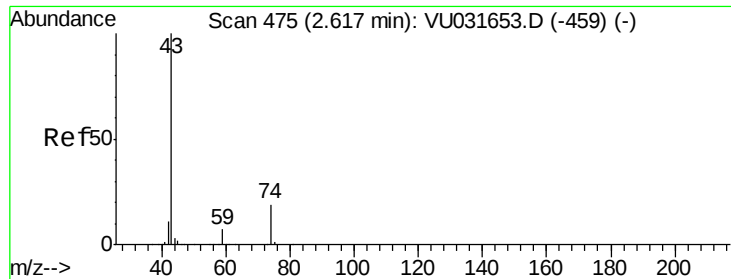
Tgt Ion: 76 Resp: 1050130

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

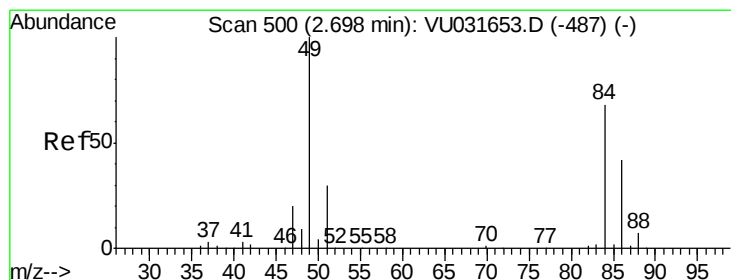
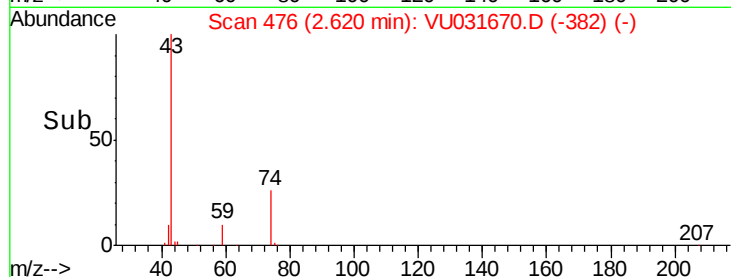
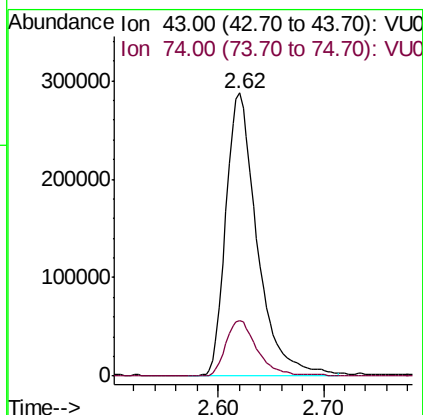
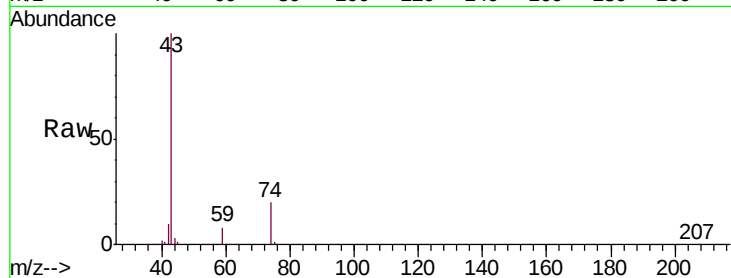




#15
Methyl Acetate
Concen: 50.873 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

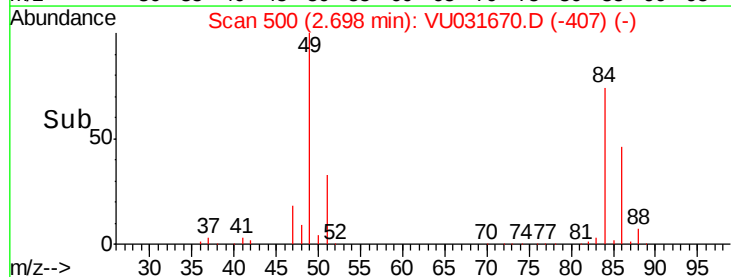
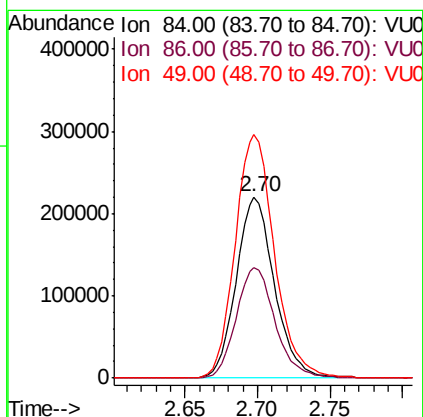
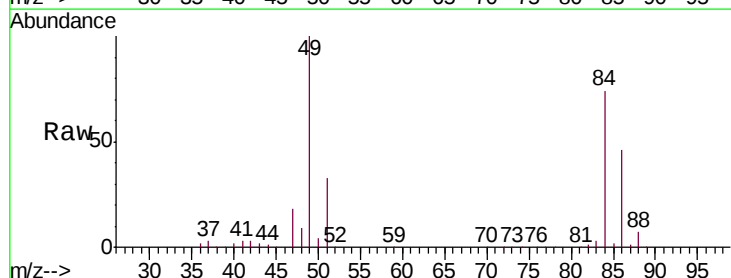
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

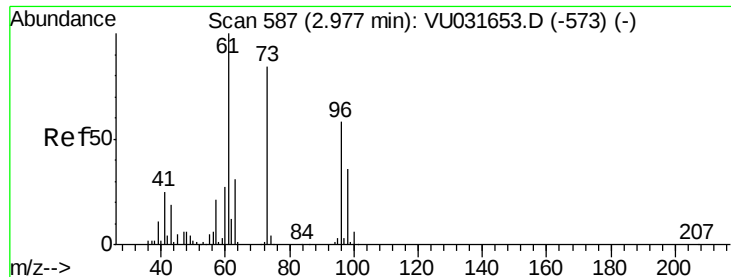
Tgt Ion: 43 Resp: 588932
Ion Ratio Lower Upper
43 100
74 20.0 15.7 23.5



#16
Methylene chloride
Concen: 48.836 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Tgt Ion: 84 Resp: 402757
Ion Ratio Lower Upper
84 100
86 61.3 44.7 83.1
49 134.4 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 48.451 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

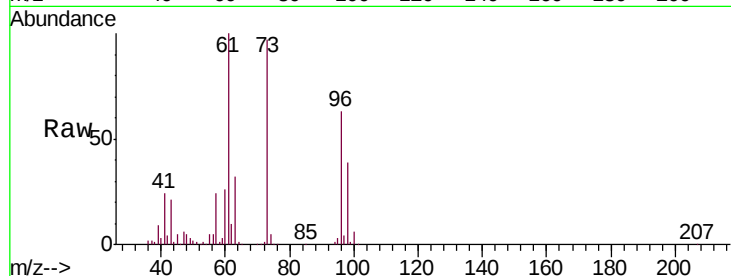
Tgt Ion: 96 Resp: 352807

Ion Ratio Lower Upper

96 100

61 157.9 114.5 212.7

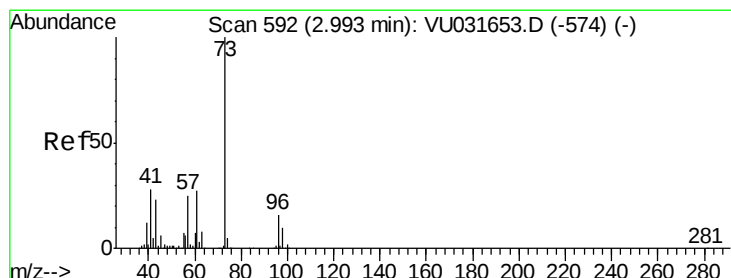
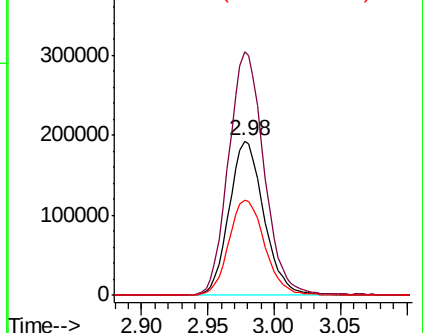
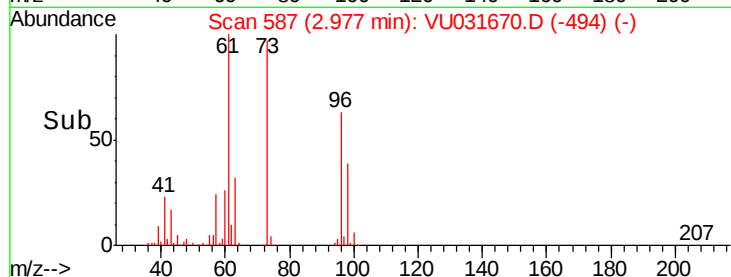
98 61.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031670.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031670.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031670.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 54.649 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

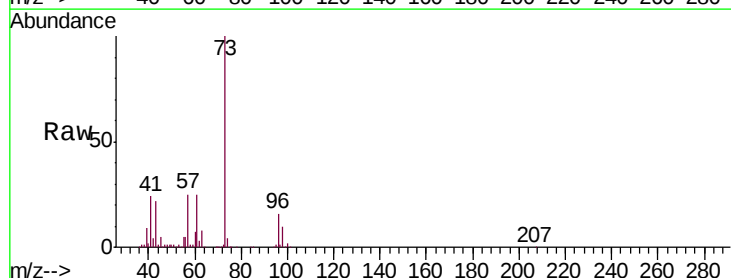
Tgt Ion: 73 Resp: 1267846

Ion Ratio Lower Upper

73 100

43 21.0 17.0 25.4

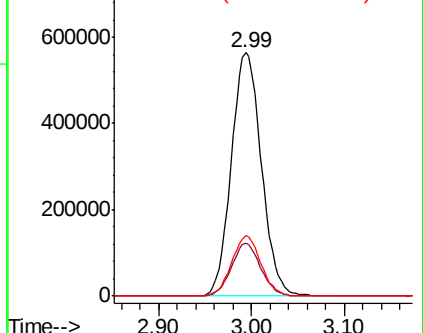
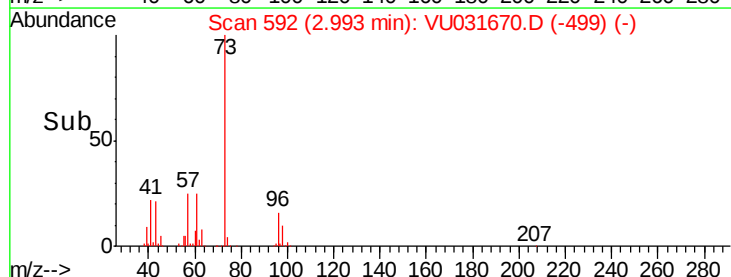
57 24.0 19.5 29.3

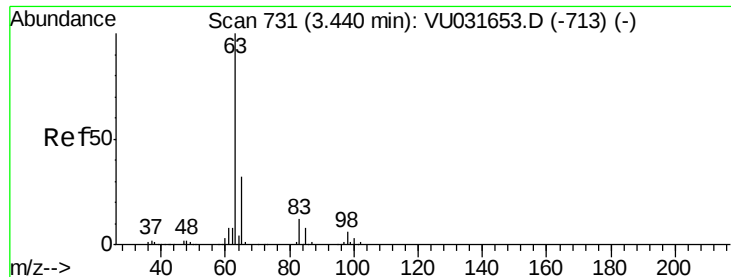


Abundance Ion 73.00 (72.70 to 73.70): VU031670.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031670.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031670.D (-499) (-)

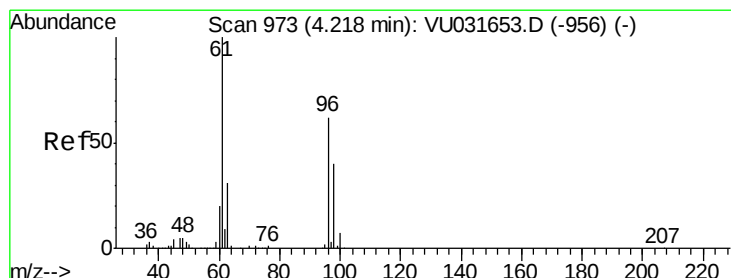
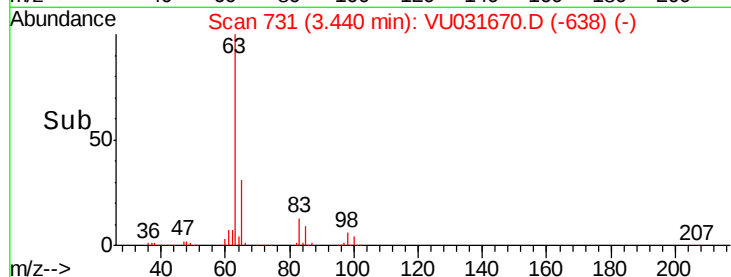
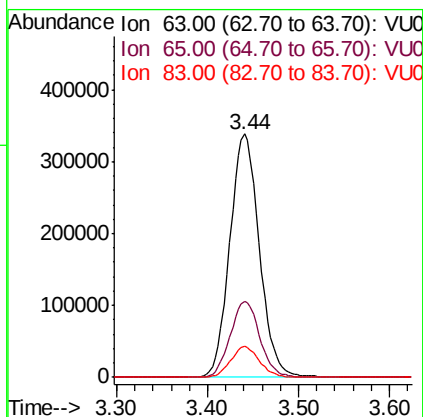
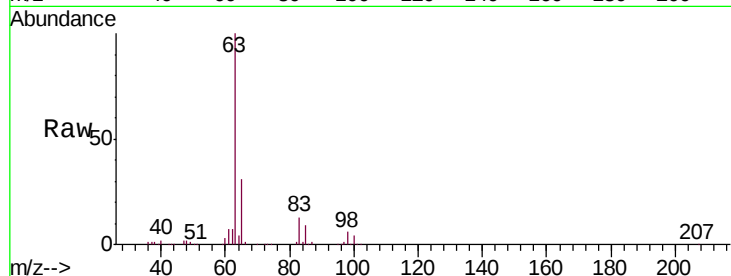




#19
 1,1-Dichloroethane
 Concen: 49.803 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

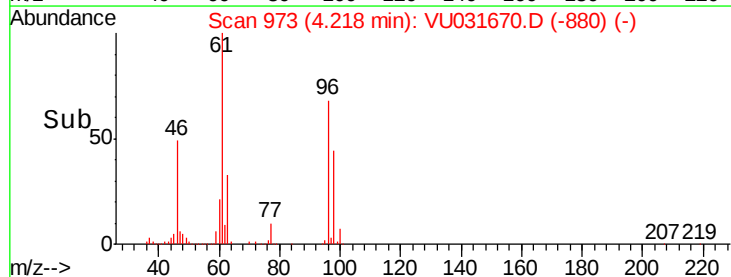
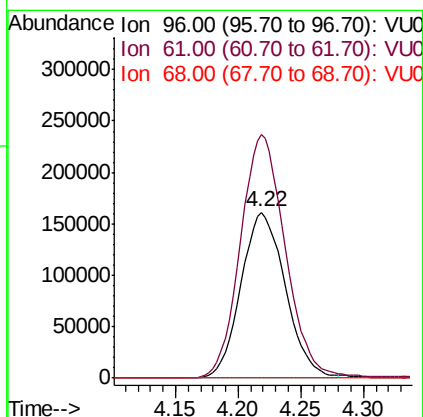
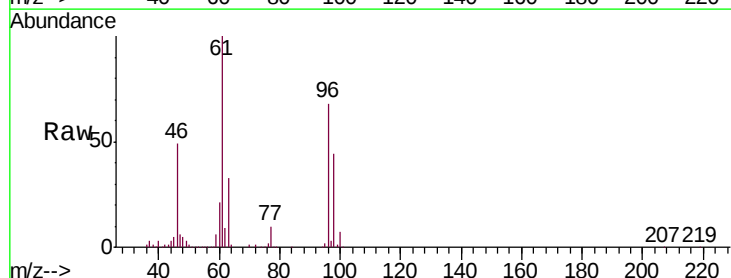
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

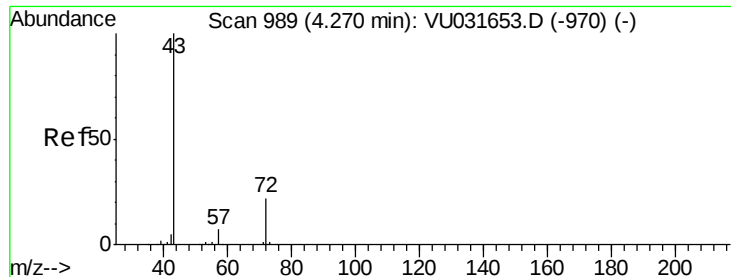
Tgt Ion: 63 Resp: 763762
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 40.8
 83 12.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.853 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 96 Resp: 397215
 Ion Ratio Lower Upper
 96 100
 61 147.0 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.785 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

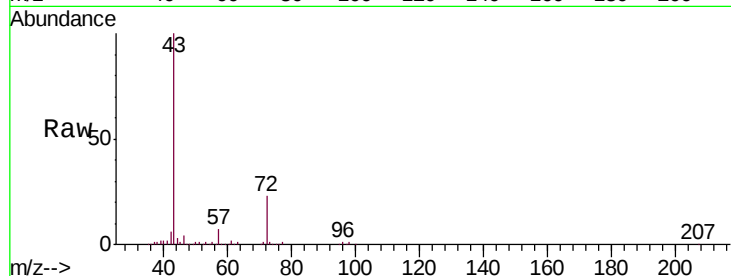
VSTD05058

Tgt Ion: 43 Resp: 998383

Ion Ratio Lower Upper

43 100

72 22.2 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031653.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU031653.D (-970) (-)

4.27

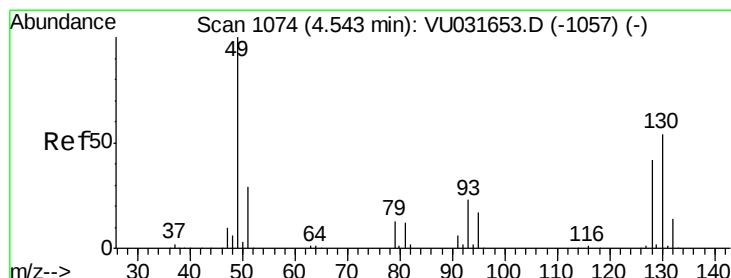
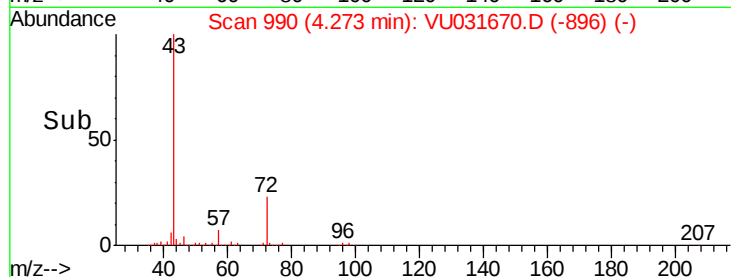
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 48.539 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Tgt Ion: 128 Resp: 184233

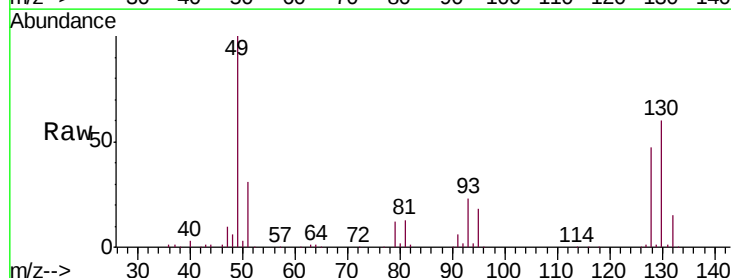
Ion Ratio Lower Upper

128 100

49 212.2 152.6 283.4

130 127.7 93.7 173.9

51 66.6 54.2 81.4



Abundance Ion 128.00 (127.70 to 128.70): VU031653.D (-1057) (-)

Ion 49.00 (48.70 to 49.70): VU031653.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU031653.D (-1057) (-)

Ion 51.00 (50.70 to 51.70): VU031653.D (-1057) (-)

250000

200000

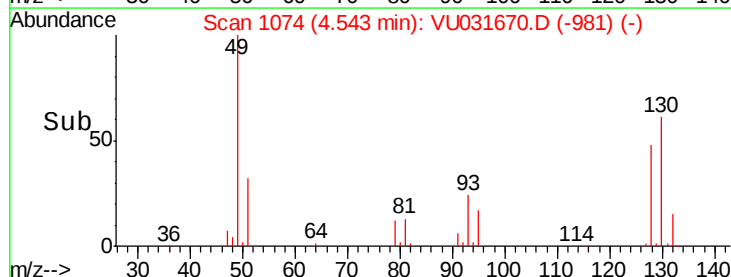
150000

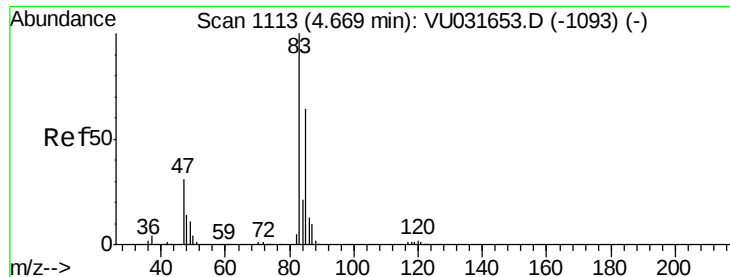
100000

50000

0

Time-->

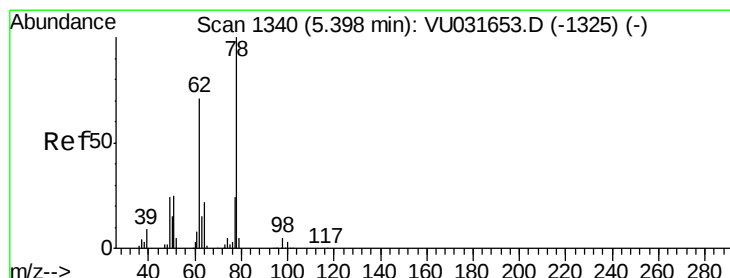
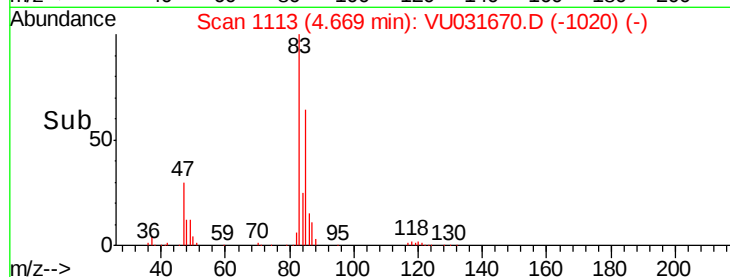
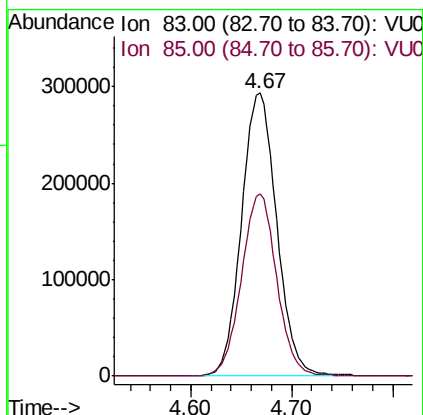
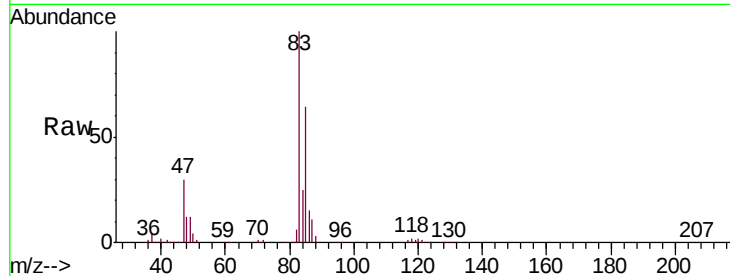




#25
Chloroform
Concen: 48.306 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

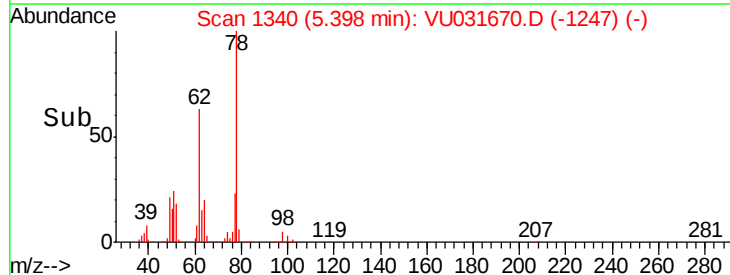
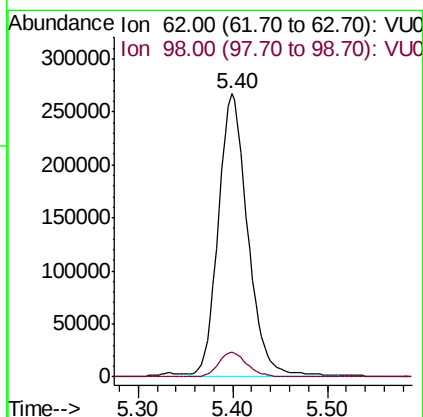
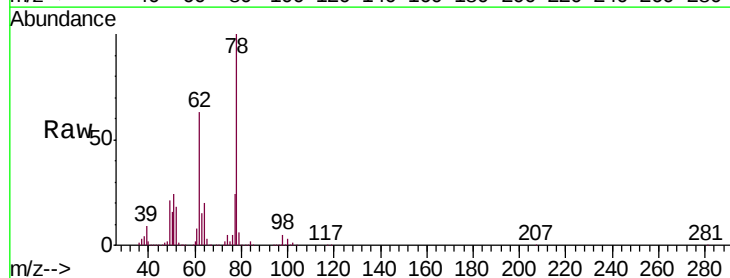
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

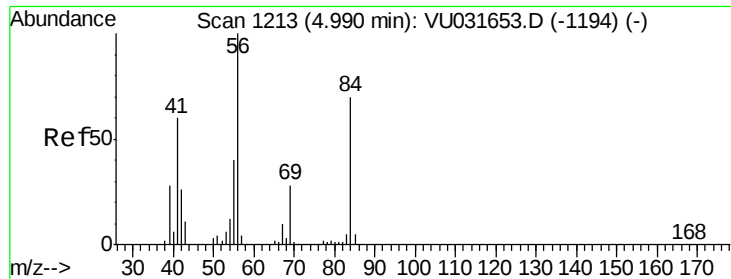
Tgt Ion: 83 Resp: 708391
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.3



#27
1,2-Dichloroethane
Concen: 48.362 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Tgt Ion: 62 Resp: 576063
Ion Ratio Lower Upper
62 100
98 8.6 7.1 10.7

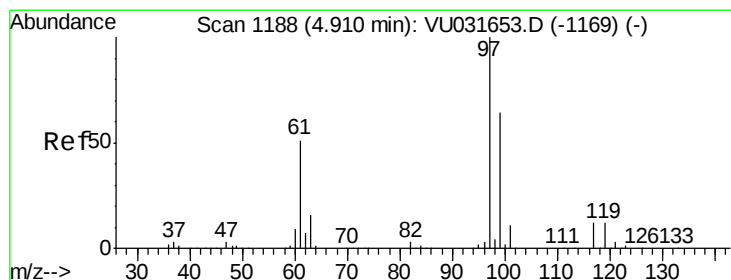
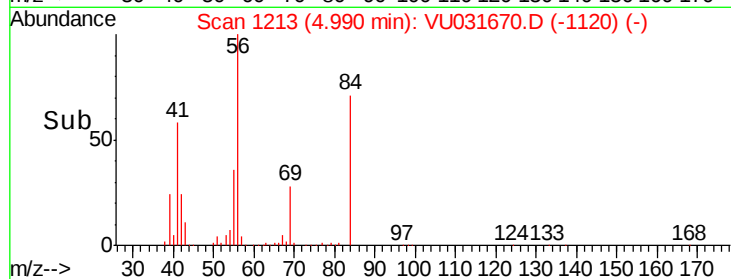
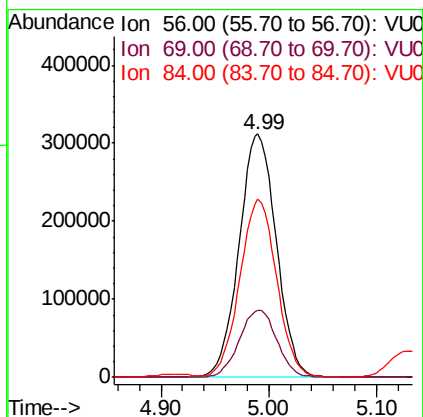
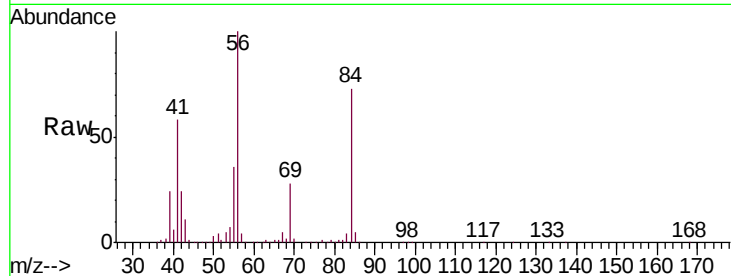




#29
Cyclohexane
Concen: 54.517 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

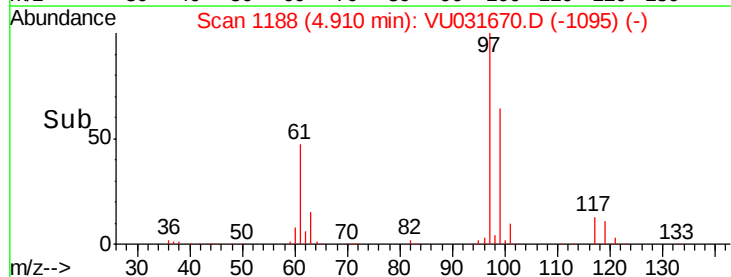
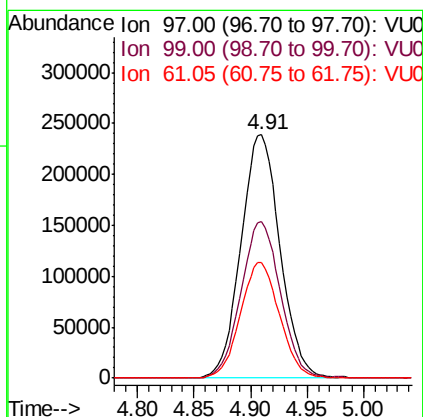
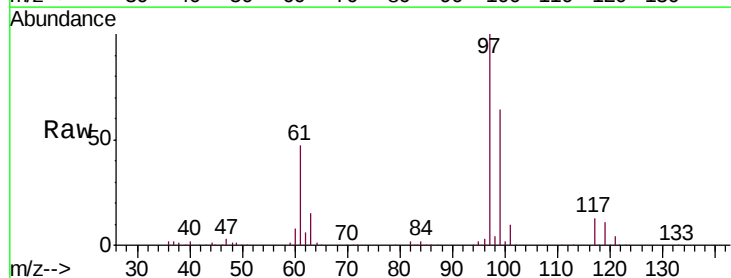
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

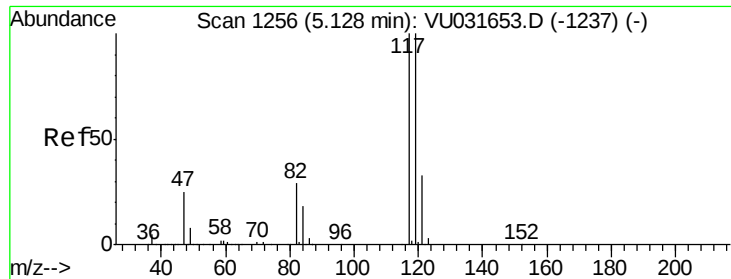
Tgt Ion: 56 Resp: 748630
Ion Ratio Lower Upper
56 100
69 27.9 22.3 33.5
84 72.2 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 47.350 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Tgt Ion: 97 Resp: 575616
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 47.4 38.7 58.1

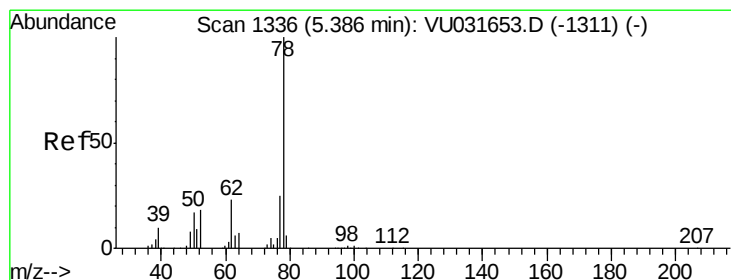
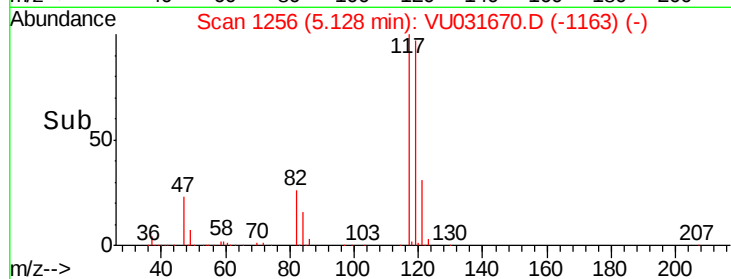
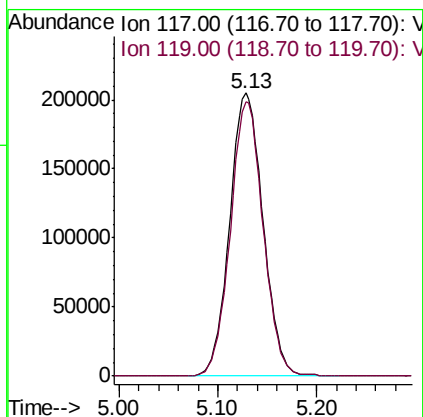
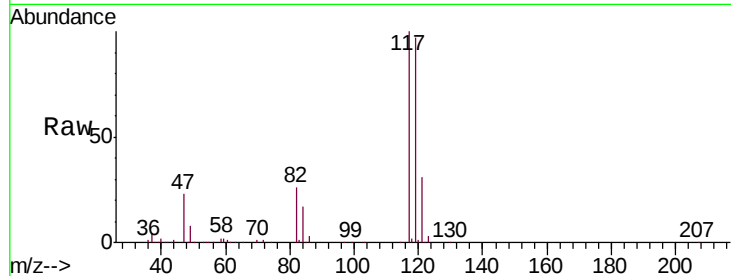




#31
Carbon tetrachloride
Concen: 46.245 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

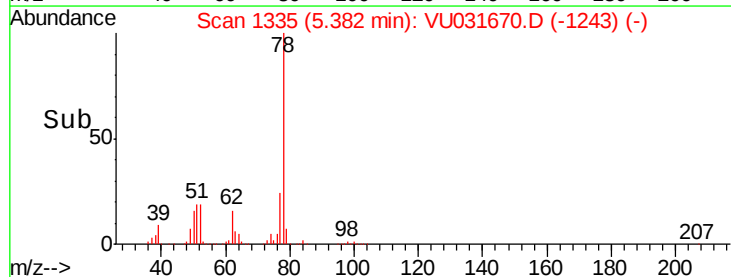
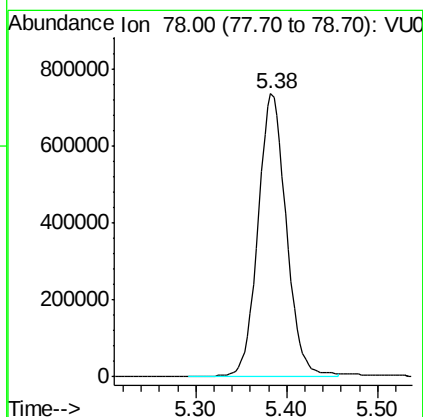
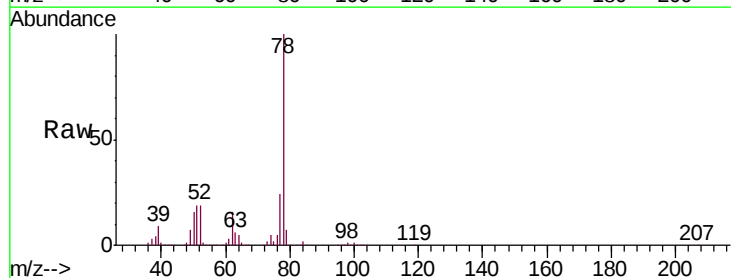
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

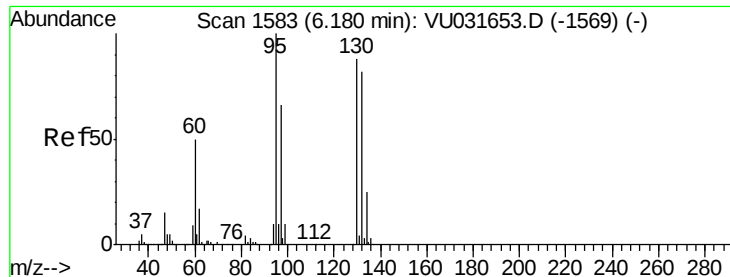
Tgt Ion:117 Resp: 480517
Ion Ratio Lower Upper
117 100
119 95.5 76.6 114.8



#33
Benzene
Concen: 49.874 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Tgt Ion: 78 Resp: 1590986





#34

Trichloroethene

Concen: 51.303 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 396712

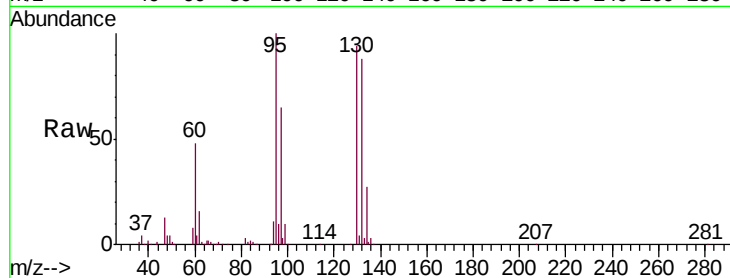
Ion Ratio Lower Upper

95 100

97 64.9 44.8 83.2

132 88.0 63.1 117.1

130 93.7 66.5 123.5

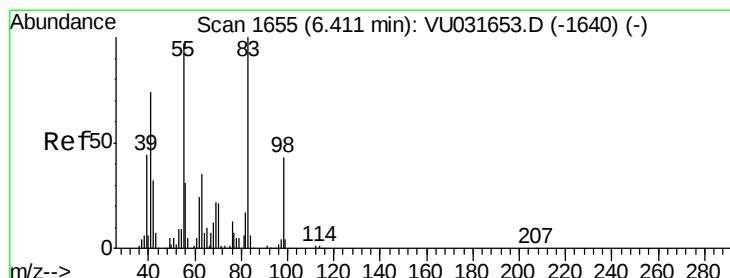
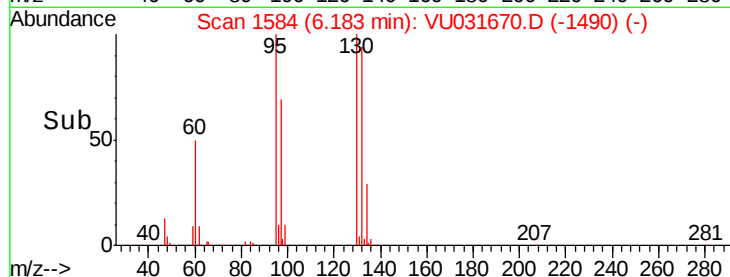
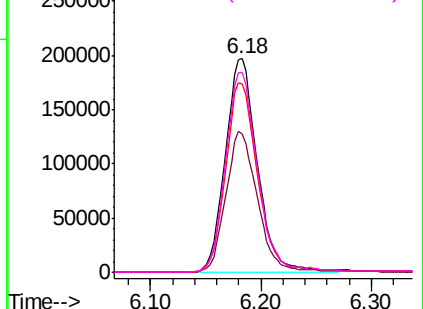


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 55.198 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

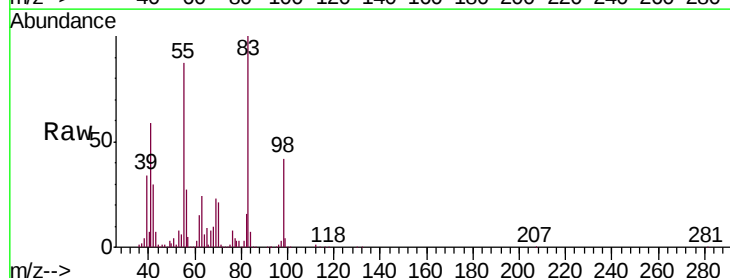
Tgt Ion: 83 Resp: 639673

Ion Ratio Lower Upper

83 100

55 89.4 73.0 109.4

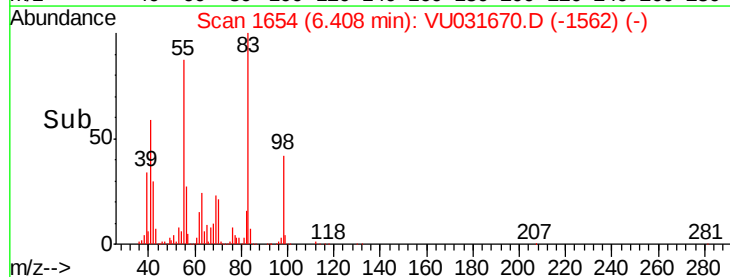
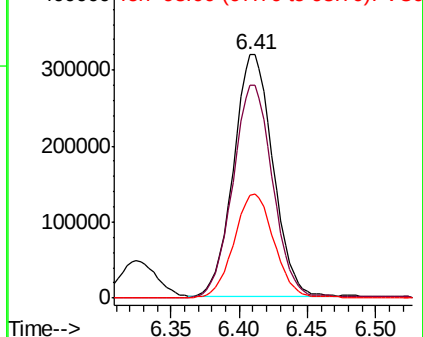
98 43.4 35.3 52.9

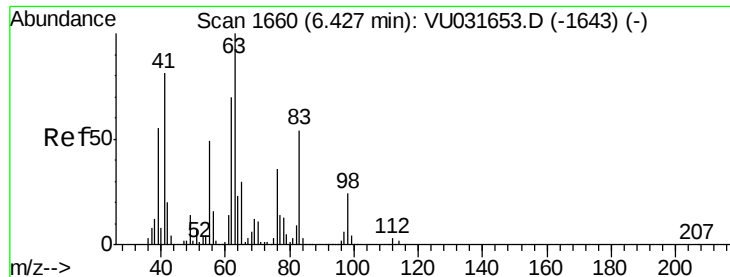


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

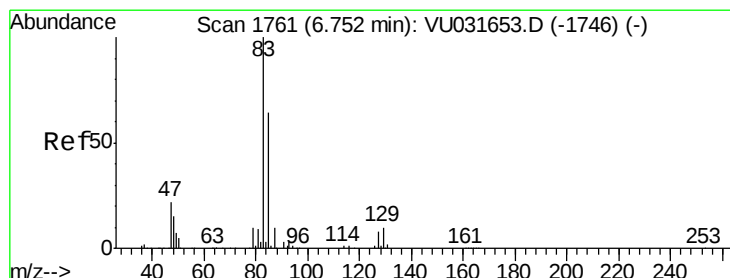
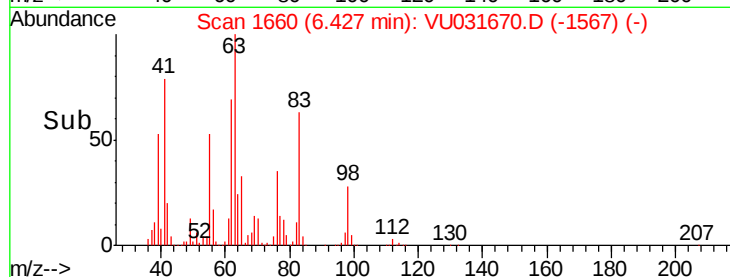
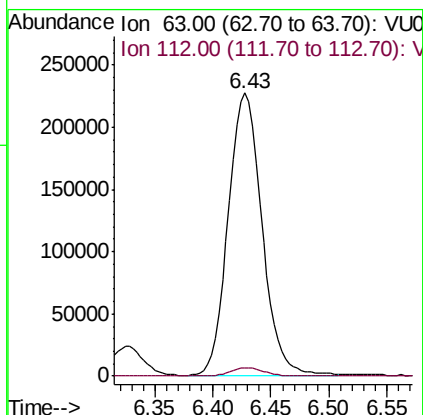
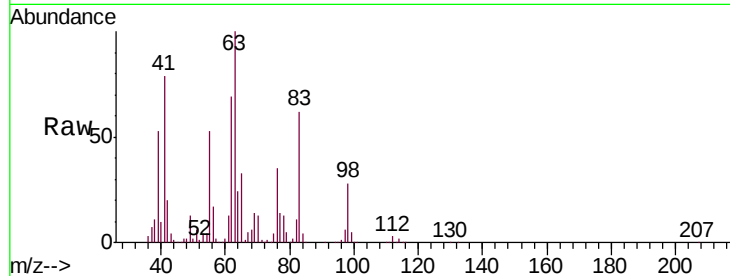




#37
 1,2-Dichloropropane
 Concen: 50.576 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

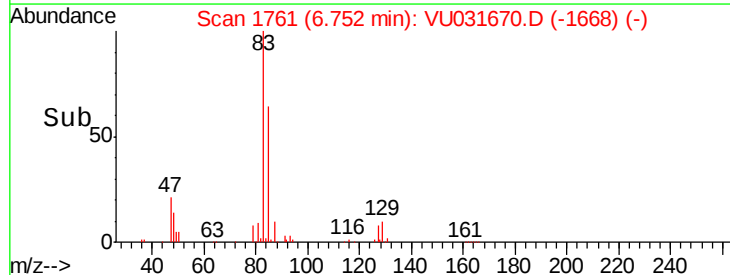
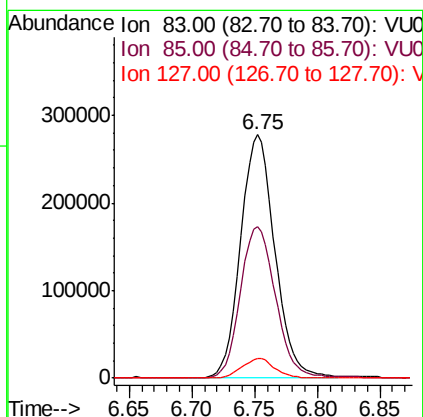
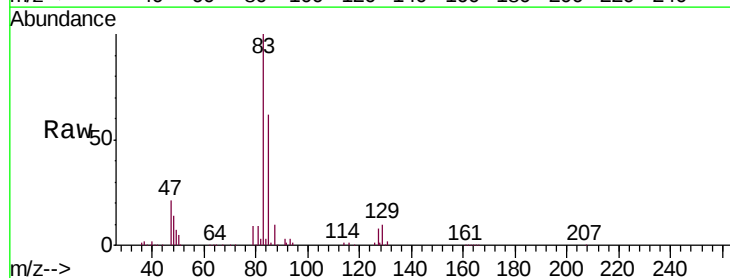
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

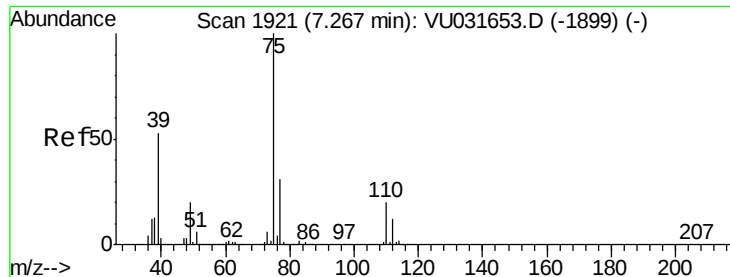
Tgt Ion: 63 Resp: 458022
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.7 4.1



#38
 Bromodichloromethane
 Concen: 48.154 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 83 Resp: 528760
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.7 81.1
 127 8.2 6.7 10.1

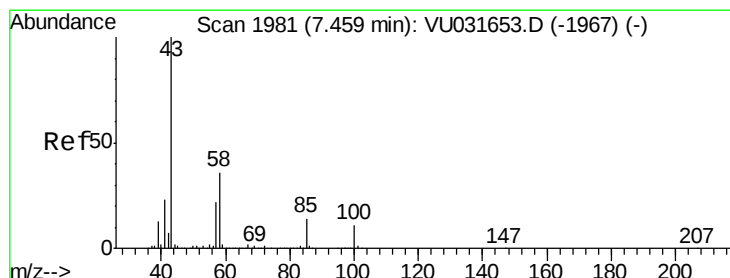
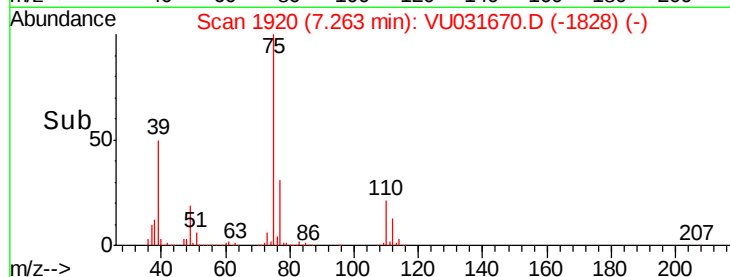
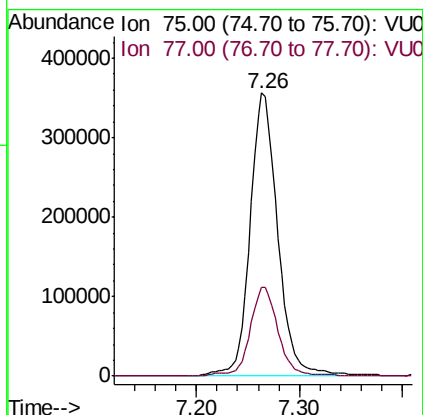
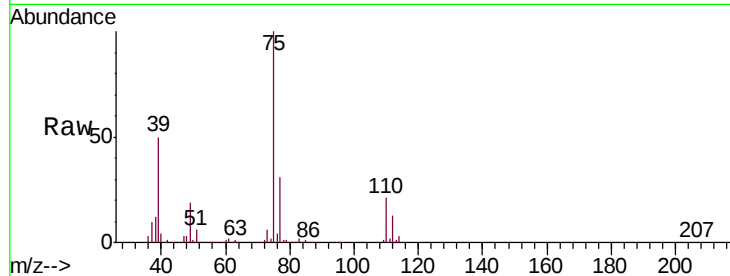




#39
 cis-1,3-Dichloropropene
 Concen: 55.374 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

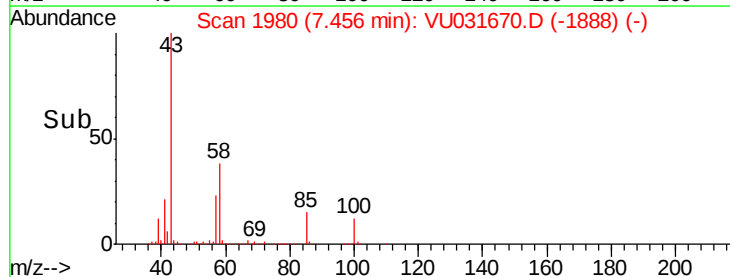
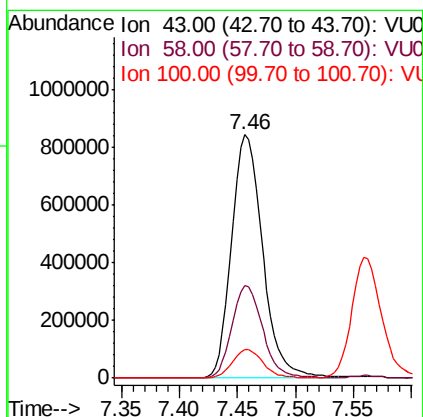
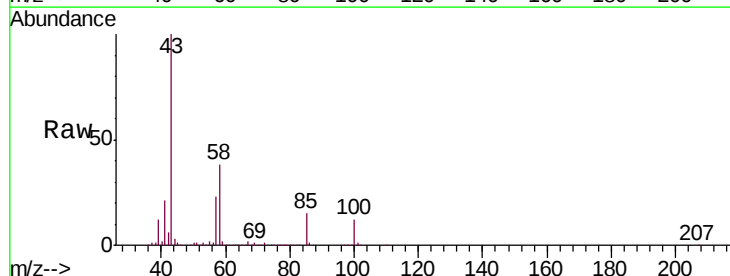
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

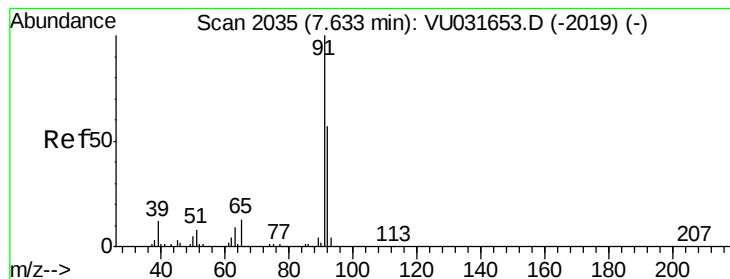
Tgt Ion: 75 Resp: 662636
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 112.878 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 43 Resp: 1572760
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.1 45.1
 100 11.6 9.6 14.4





#42

Toluene

Concen: 51.388 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

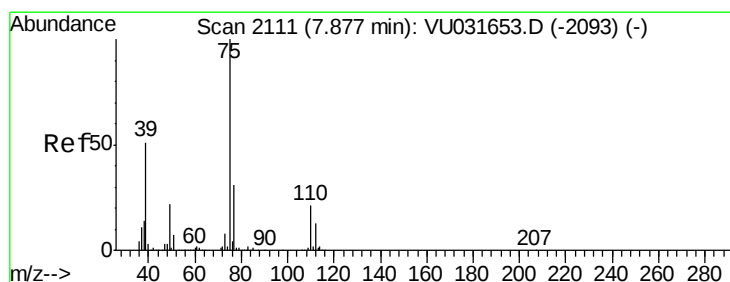
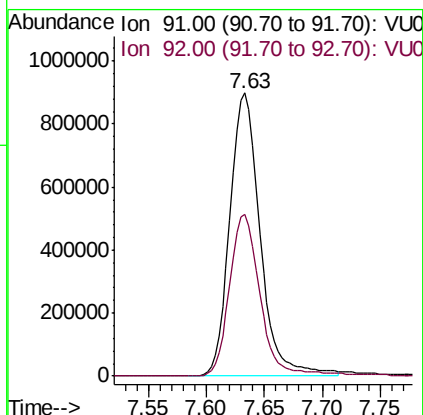
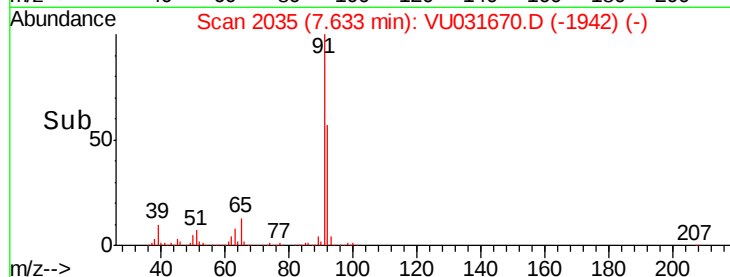
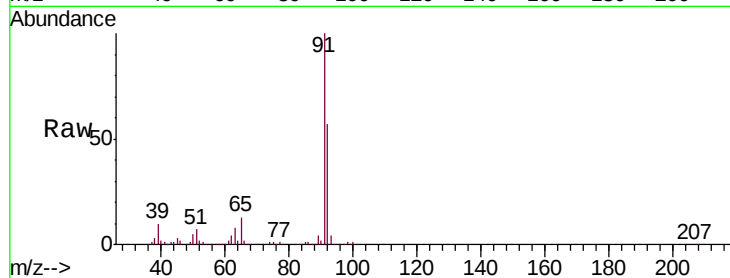
VSTD05058

Tgt Ion: 91 Resp: 1632928

Ion Ratio Lower Upper

91 100

92 57.2 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 52.978 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031670.D

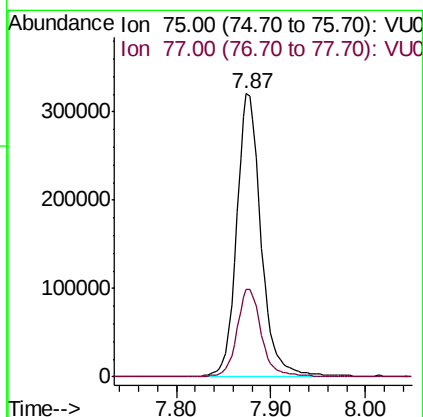
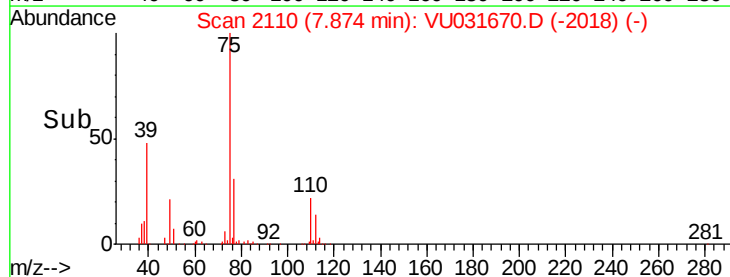
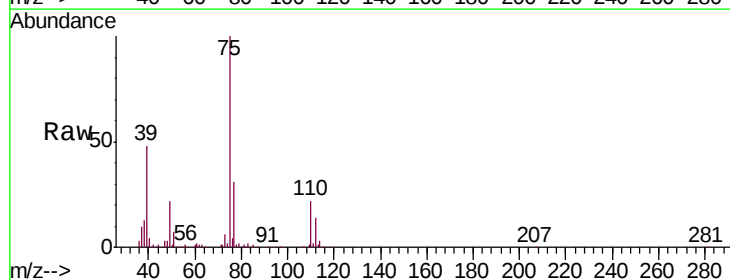
Acq: 01 May 2019 09:35

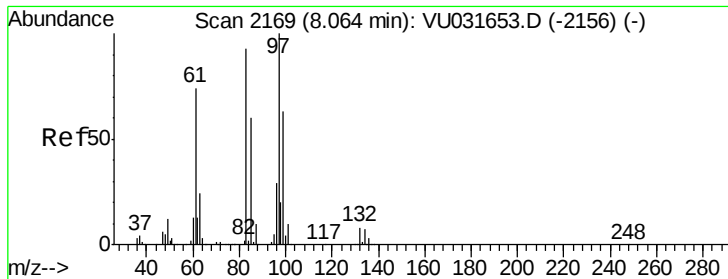
Tgt Ion: 75 Resp: 575009

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1

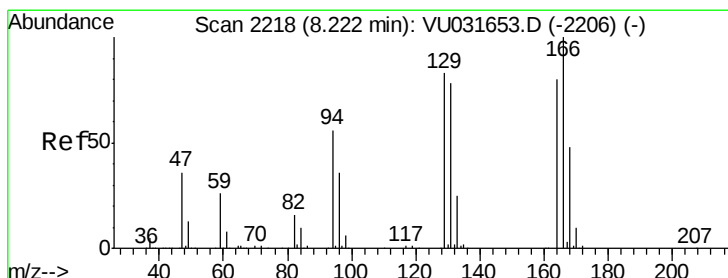
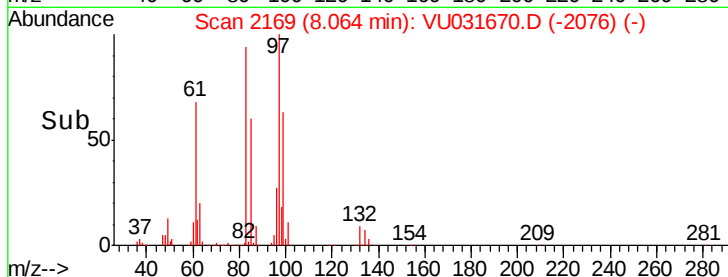
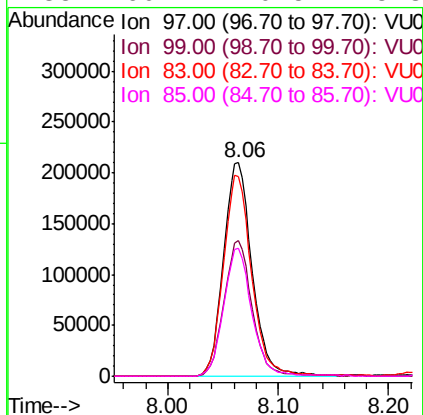
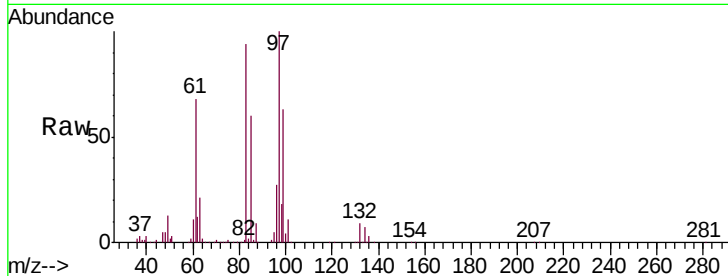




#45
 1,1,2-Trichloroethane
 Concen: 50.554 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

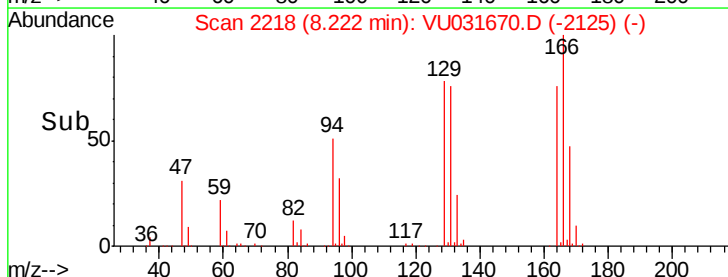
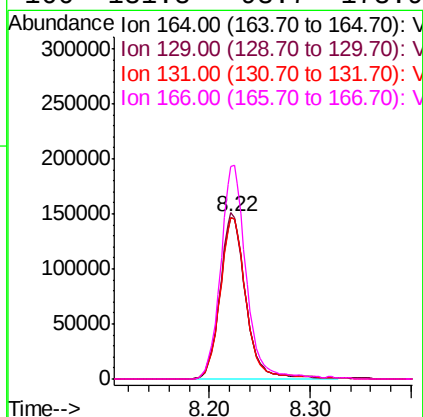
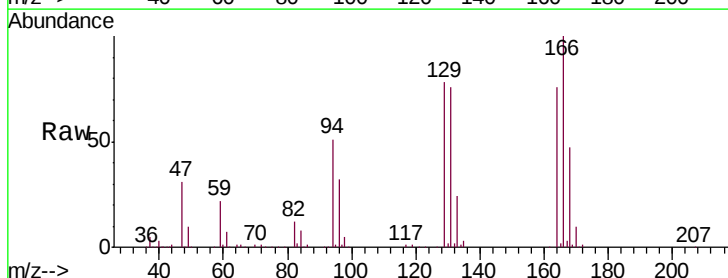
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

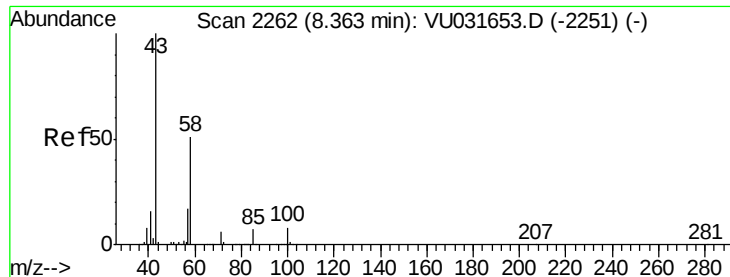
Tgt Ion: 97 Resp: 377430
 Ion Ratio Lower Upper
 97 100
 99 63.3 43.0 80.0
 83 93.5 63.6 118.2
 85 60.1 40.5 75.3



#46
 Tetrachloroethene
 Concen: 50.048 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 164 Resp: 263837
 Ion Ratio Lower Upper
 164 100
 129 102.7 71.5 132.9
 131 100.1 69.0 128.2
 166 131.8 93.7 173.9

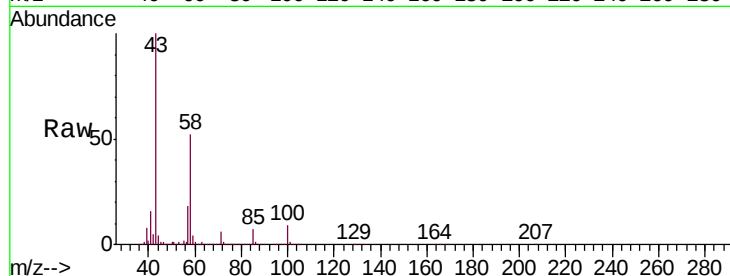




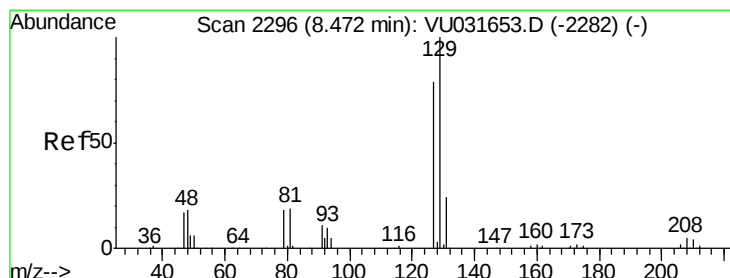
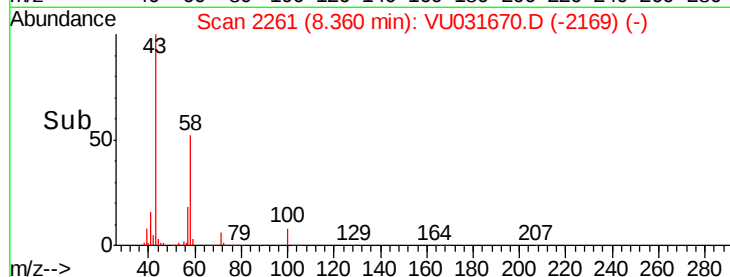
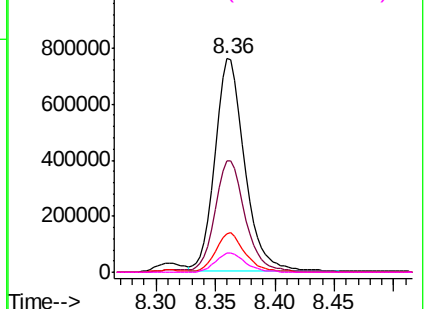
#48
2-Hexanone
Concen: 116.845 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion: 43 Resp: 1316730
Ion Ratio Lower Upper
43 100
58 51.9 42.1 63.1
57 18.2 14.6 22.0
100 9.2 7.2 10.8

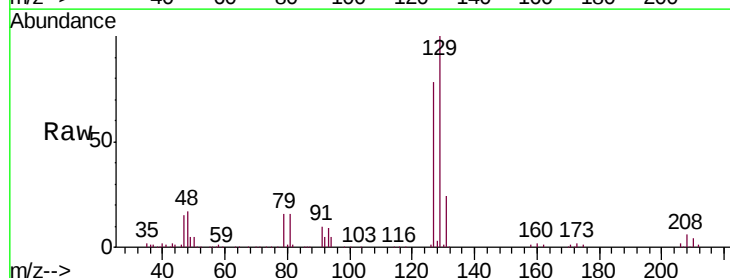


Abundance Ion 43.00 (42.70 to 43.70): VU031670.D (-2169) (-)
Ion 58.00 (57.70 to 58.70): VU031670.D (-2169) (-)
Ion 57.00 (56.70 to 57.70): VU031670.D (-2169) (-)
Ion 100.00 (99.70 to 100.70): VU031670.D (-2169) (-)

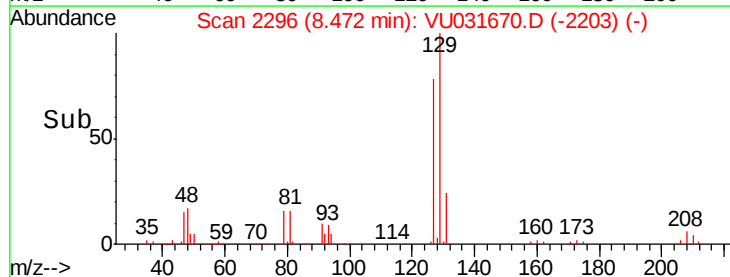
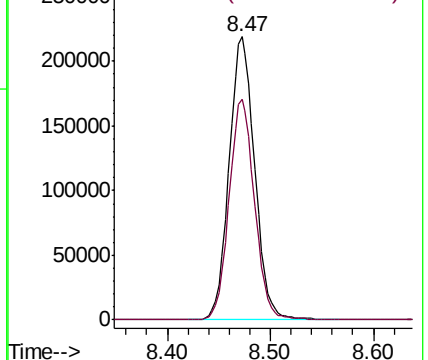


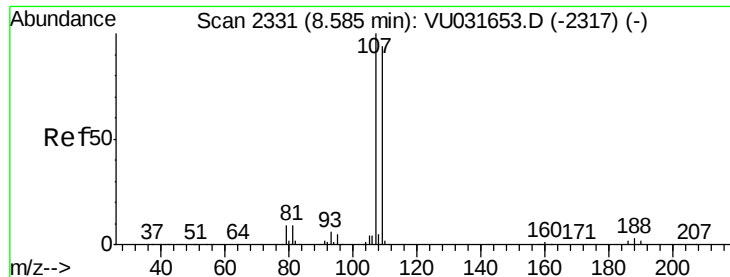
#49
Dibromochloromethane
Concen: 48.716 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031670.D
Acq: 01 May 2019 09:35

Tgt Ion: 129 Resp: 378433
Ion Ratio Lower Upper
129 100
127 78.0 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): VU031670.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU031670.D (-2203) (-)





#50

1,2-Dibromoethane

Concen: 51.115 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

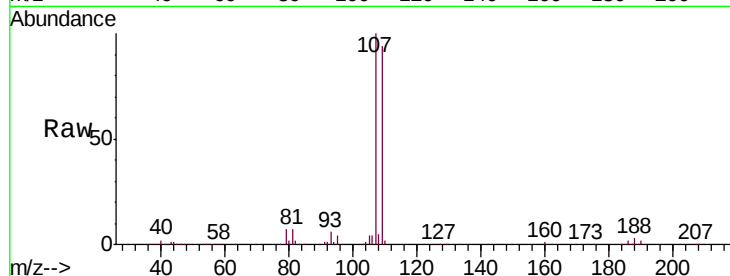
Tgt Ion:107 Resp: 403043

Ion Ratio Lower Upper

107 100

109 93.6 64.9 120.5

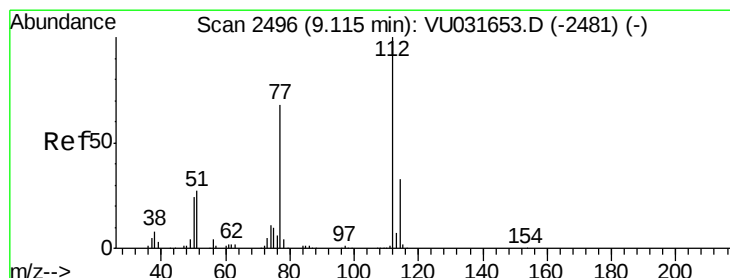
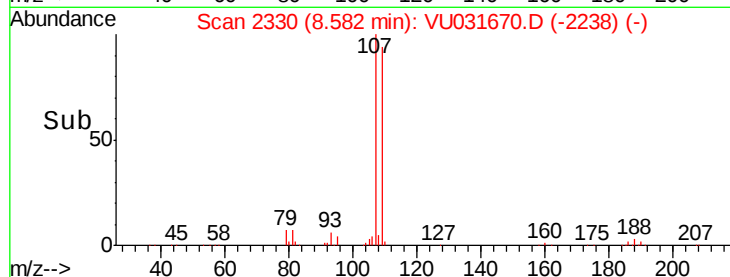
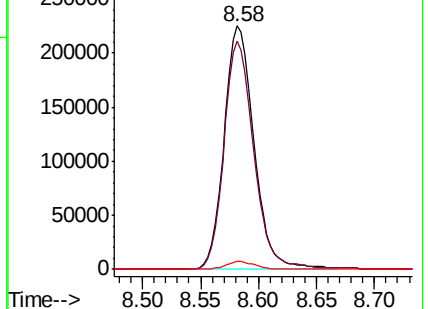
188 3.2 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.399 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

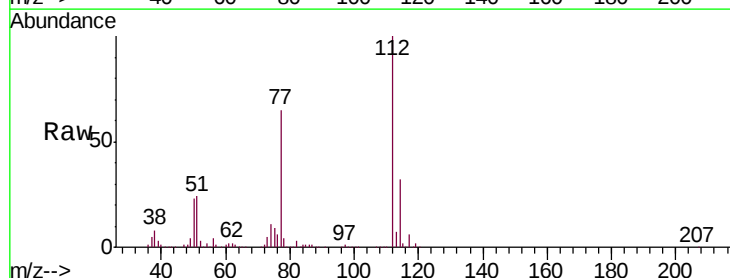
Tgt Ion:112 Resp: 965179

Ion Ratio Lower Upper

112 100

114 32.4 23.3 43.3

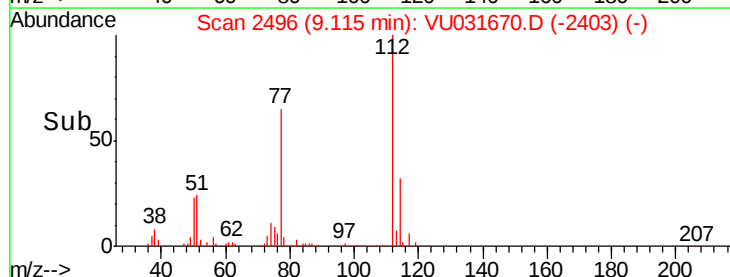
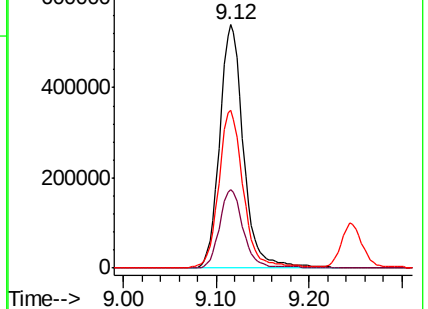
77 64.8 53.0 79.4

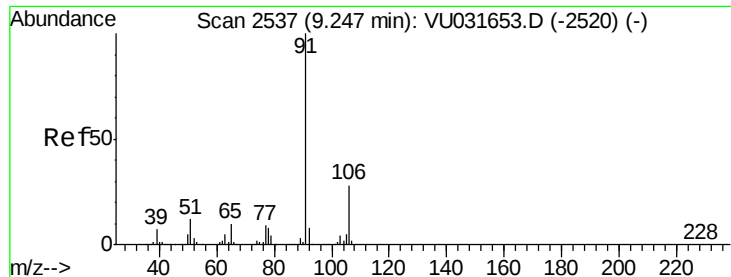


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 54.360 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

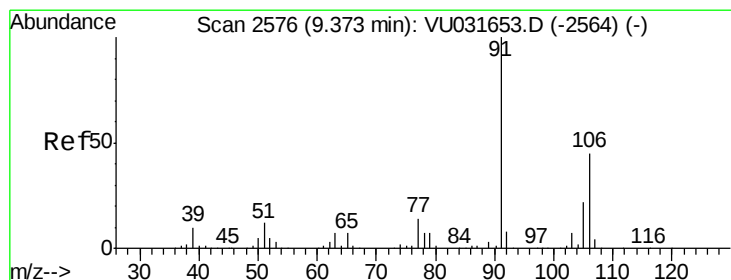
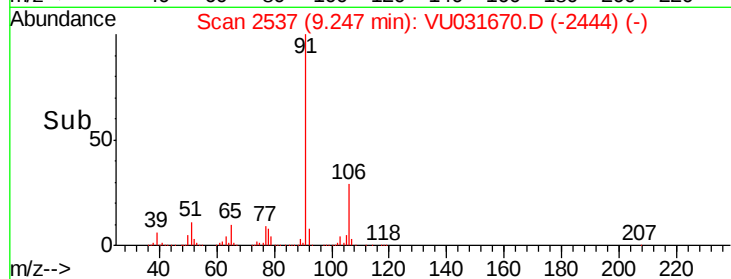
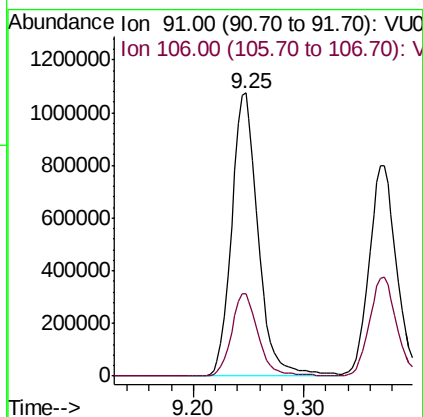
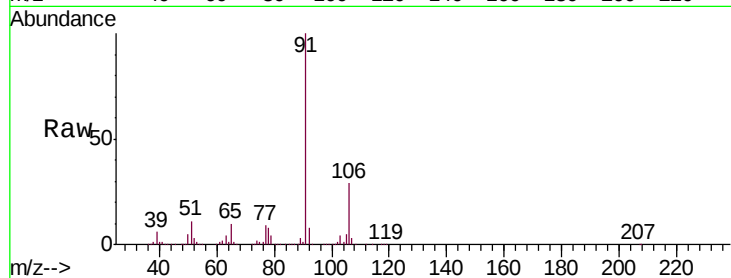
VSTD05058

Tgt Ion: 91 Resp: 1791833

Ion Ratio Lower Upper

91 100

106 29.0 20.4 37.8



#53

m,p-Xylene

Concen: 57.057 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031670.D

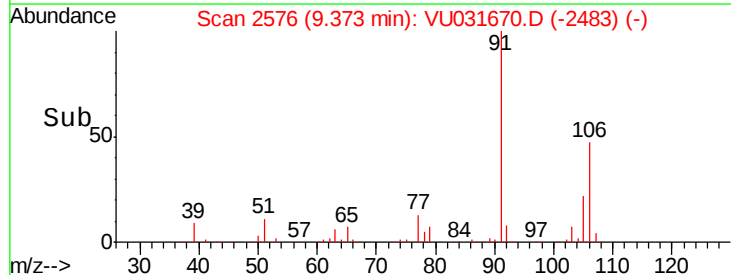
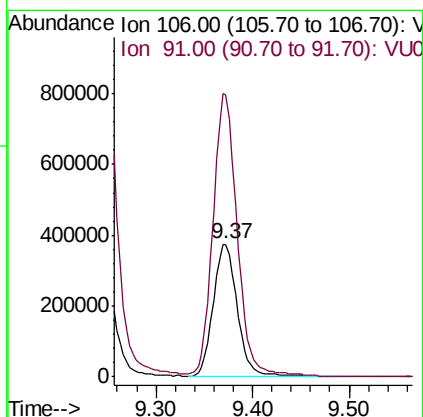
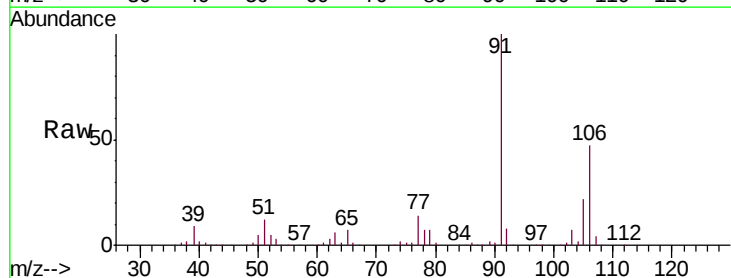
Acq: 01 May 2019 09:35

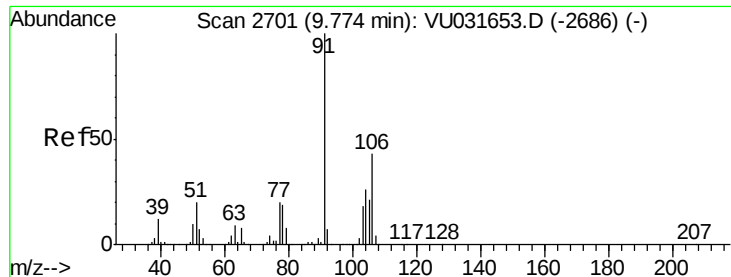
Tgt Ion: 106 Resp: 655270

Ion Ratio Lower Upper

106 100

91 213.0 152.2 282.6





#54

o-xylene

Concen: 55.929 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

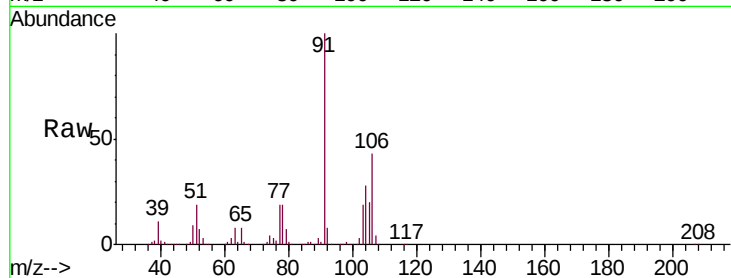
VSTD05058

Tgt Ion:106 Resp: 636796

Ion Ratio Lower Upper

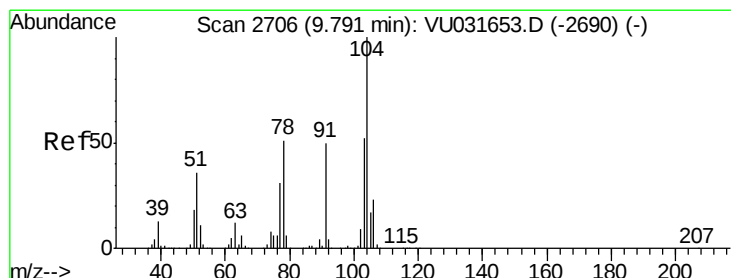
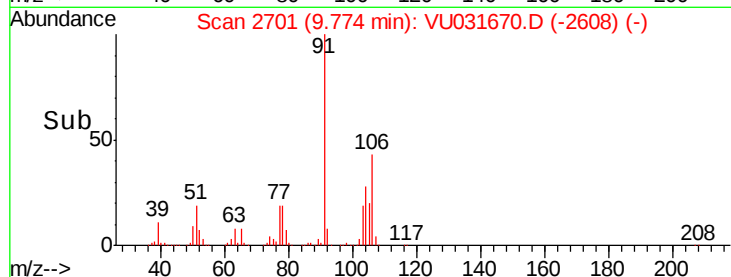
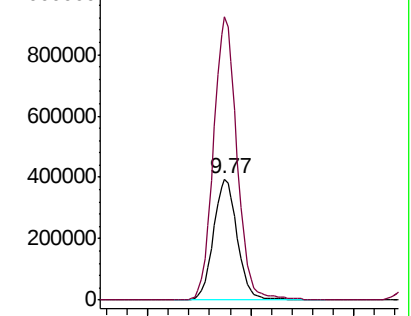
106 100

91 233.9 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.527 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031670.D

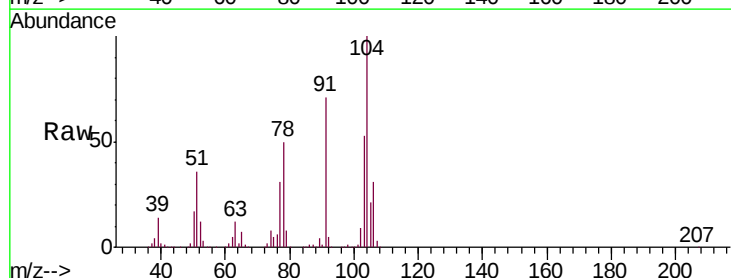
Acq: 01 May 2019 09:35

Tgt Ion:104 Resp: 1080130

Ion Ratio Lower Upper

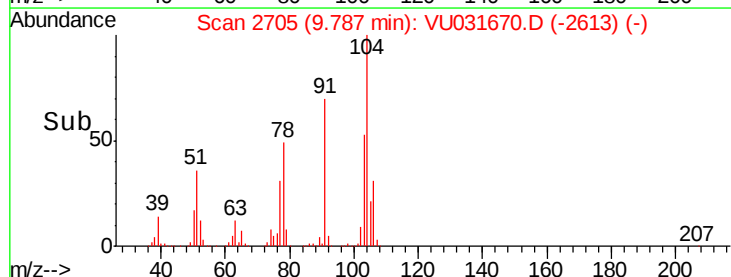
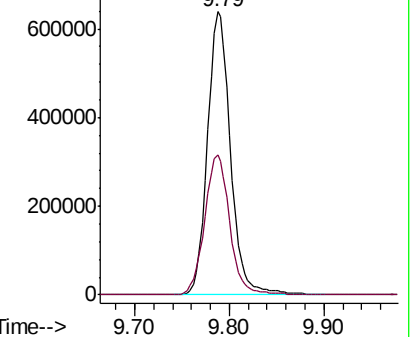
104 100

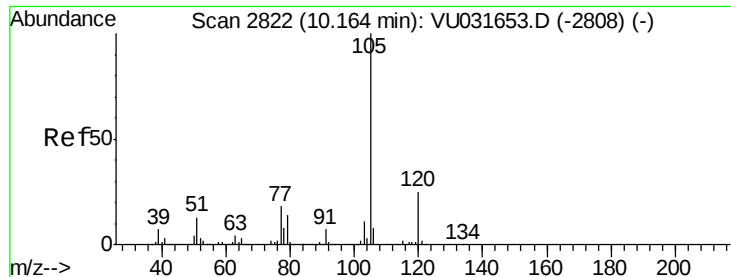
78 49.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.103 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampled :

VSTD05058

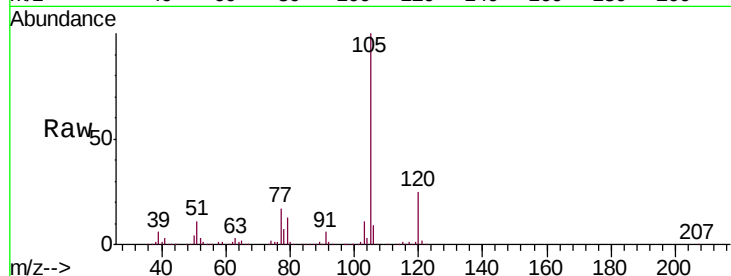
Tgt Ion:105 Resp: 1679701

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

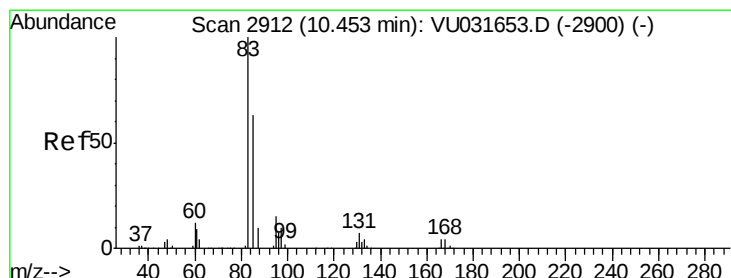
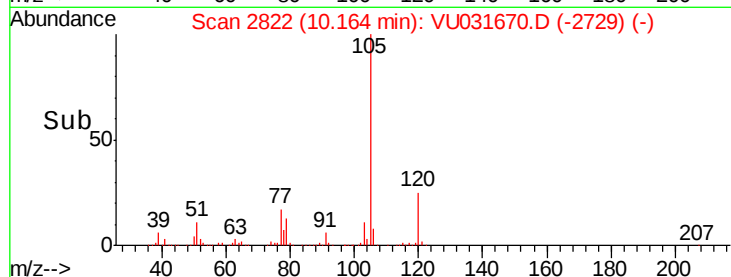
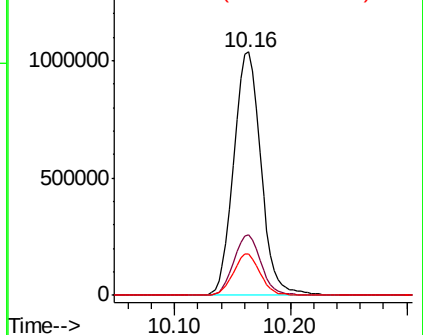
77 16.7 13.8 20.6



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: 50.862 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

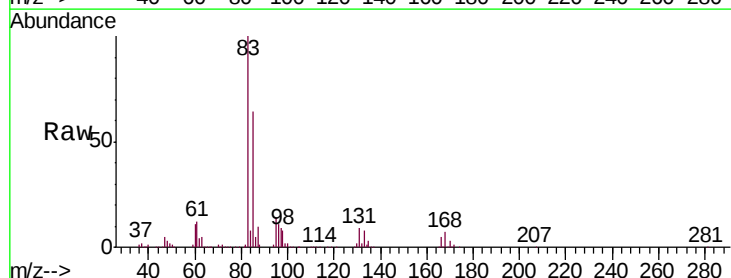
Tgt Ion: 83 Resp: 673830

Ion Ratio Lower Upper

83 100

85 64.4 46.0 85.4

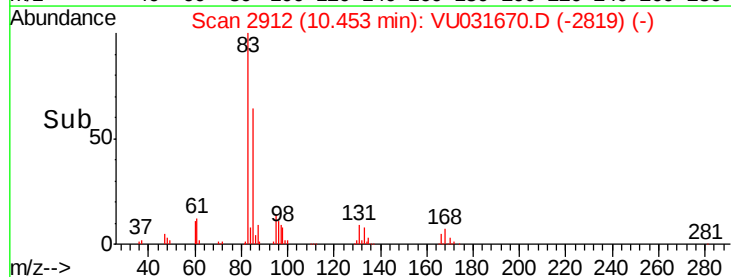
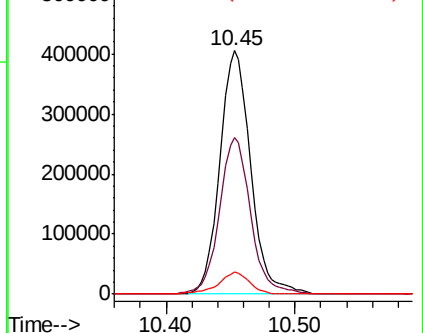
131 8.9 7.3 10.9

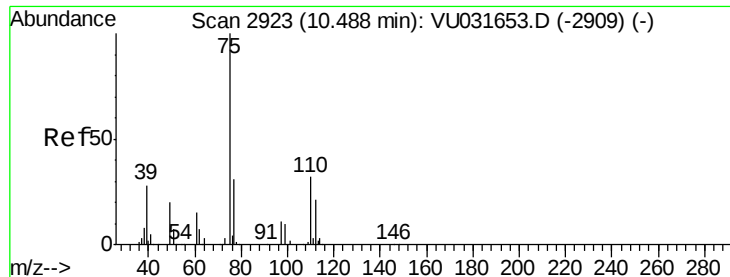


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

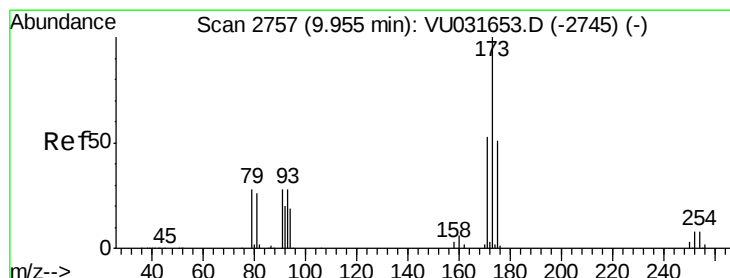
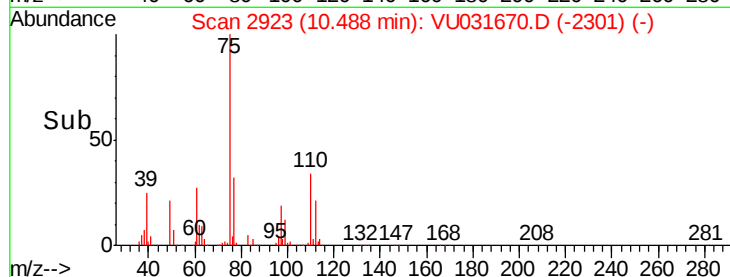
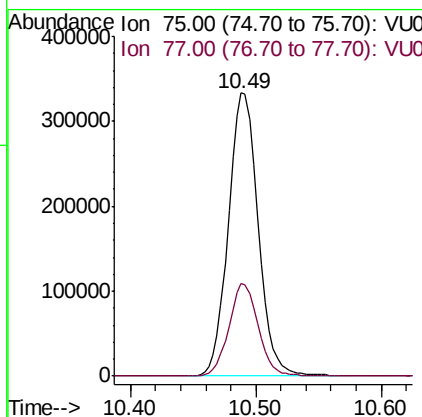
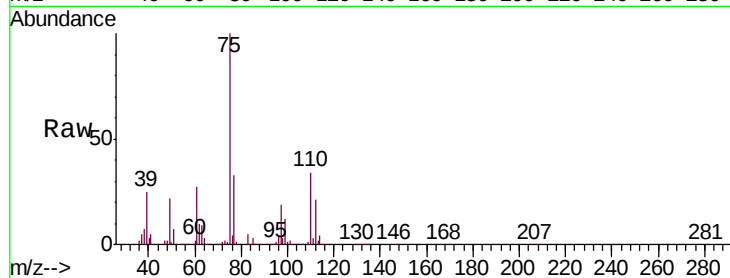




#59
 1,2,3-Trichloropropane
 Concen: 51.304 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

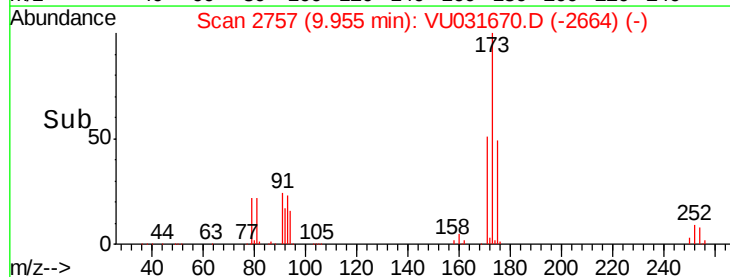
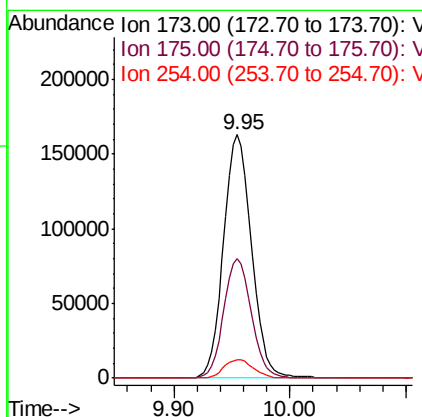
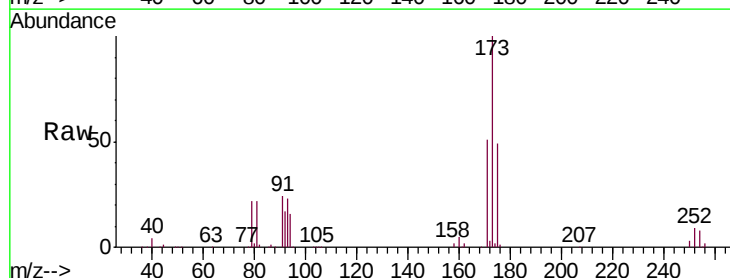
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

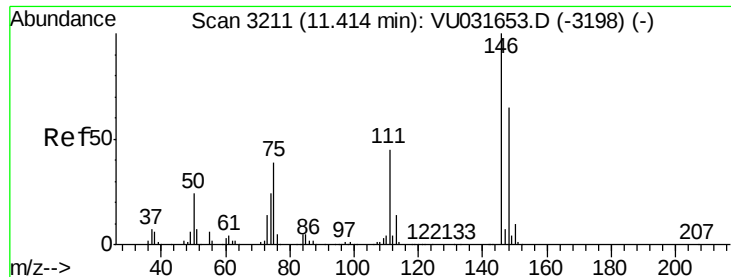
Tgt Ion: 75 Resp: 550861
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#61
 Bromoform
 Concen: 46.552 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 173 Resp: 270908
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.3 57.5
 254 8.0 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 53.472 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

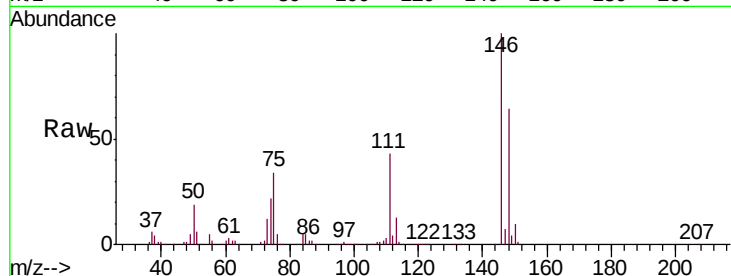
Tgt Ion:146 Resp: 694897

Ion Ratio Lower Upper

146 100

111 42.9 29.8 55.4

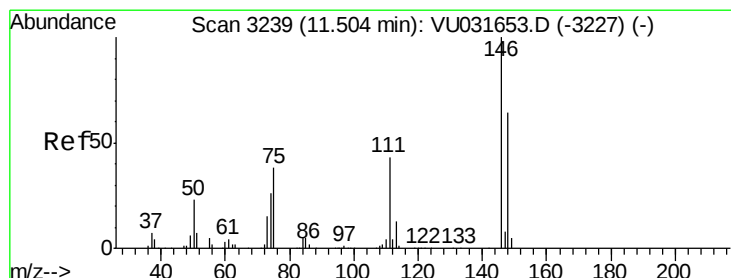
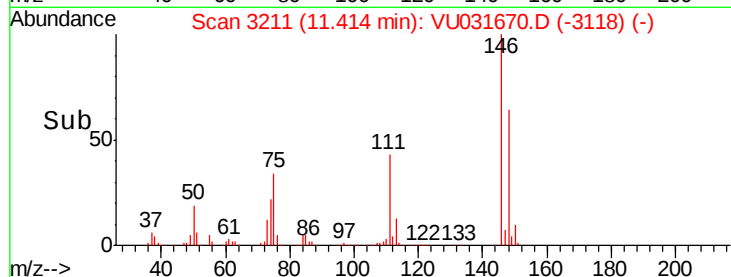
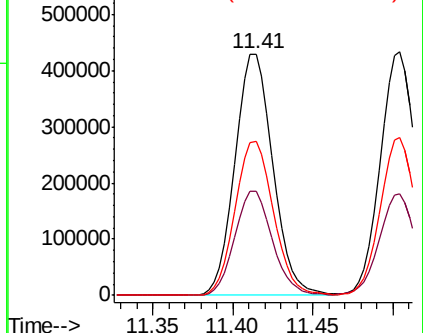
148 63.9 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.007 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

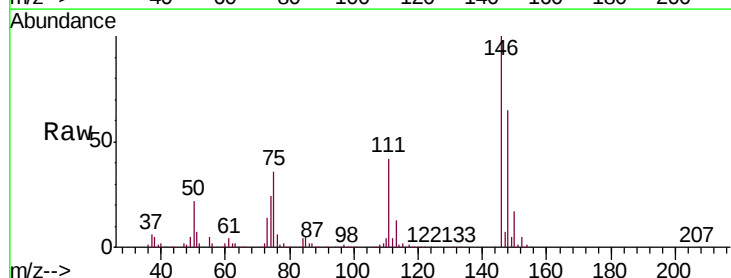
Tgt Ion:146 Resp: 686476

Ion Ratio Lower Upper

146 100

111 41.6 28.2 52.4

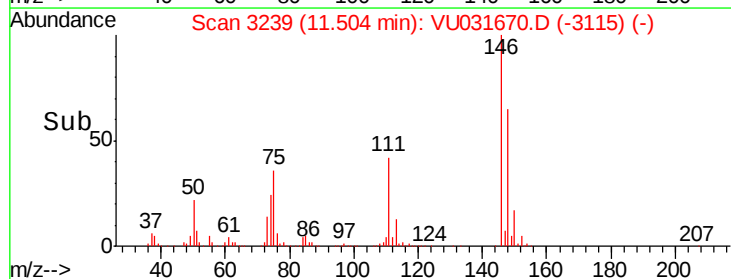
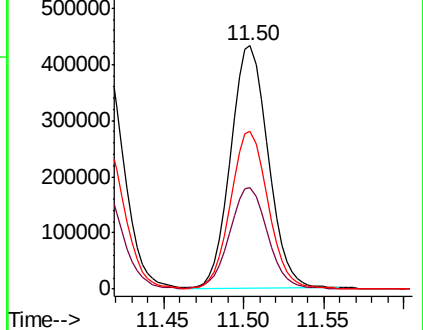
148 64.7 45.4 84.4

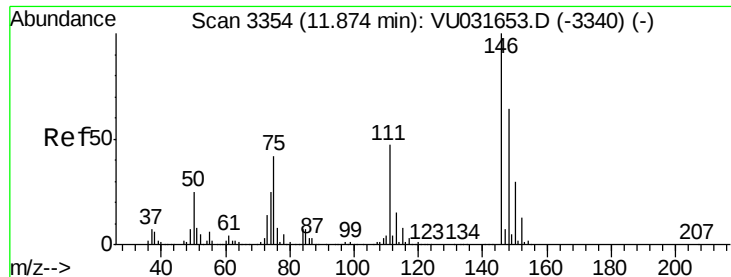


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

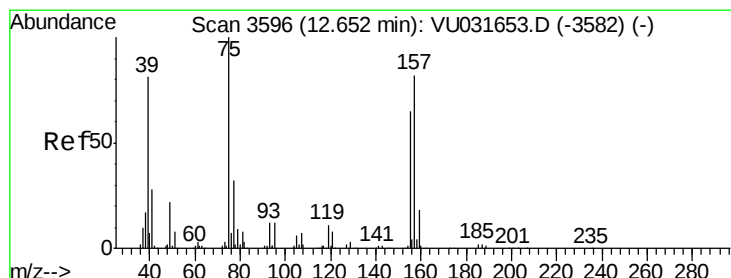
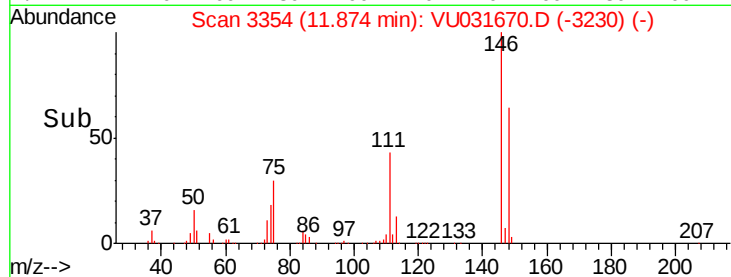
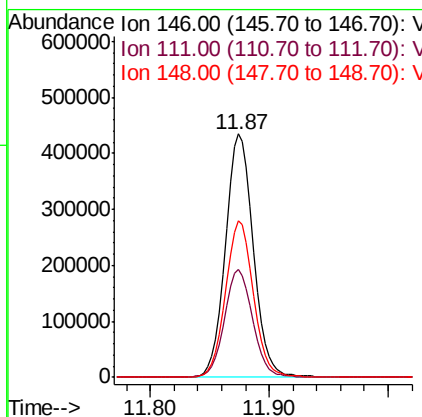
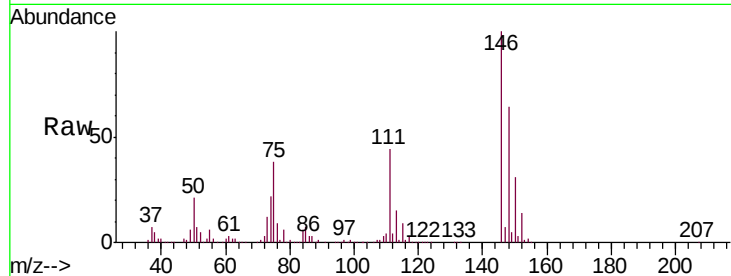




#65
 1,2-Dichlorobenzene
 Concen: 50.883 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

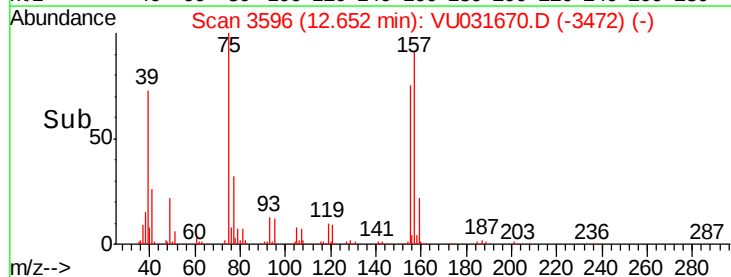
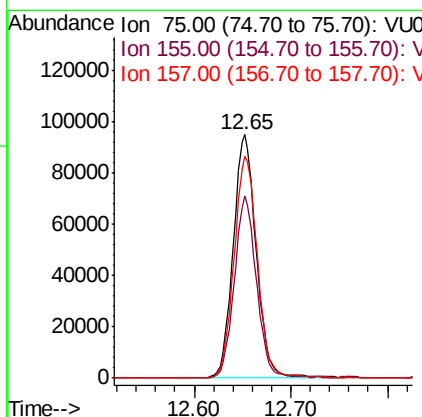
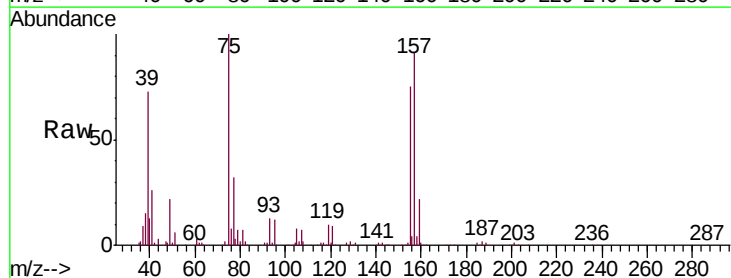
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

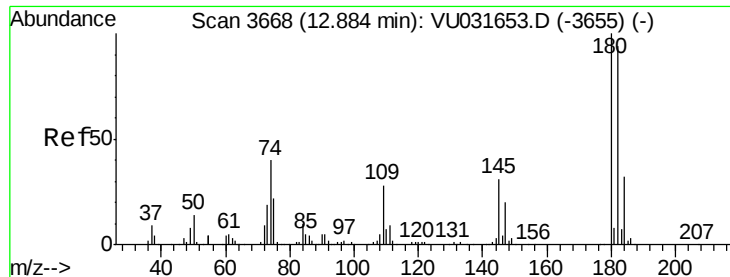
Tgt Ion: 146 Resp: 702772
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.9 53.9
 148 64.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.892 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion: 75 Resp: 156722
 Ion Ratio Lower Upper
 75 100
 155 74.7 54.0 81.0
 157 91.3 69.1 103.7

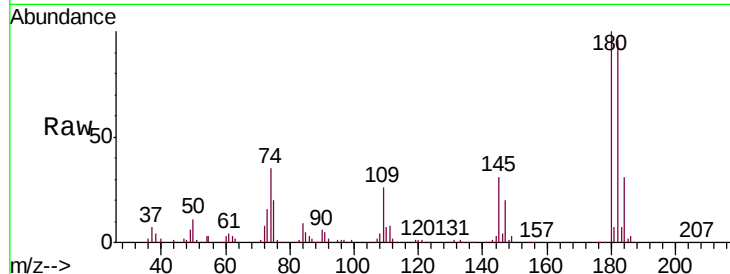




#67
 1,3,5-Trichlorobenzene
 Concen: 52.323 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.3	115.9
184	30.5	24.4	36.6
145	30.7	23.8	35.8



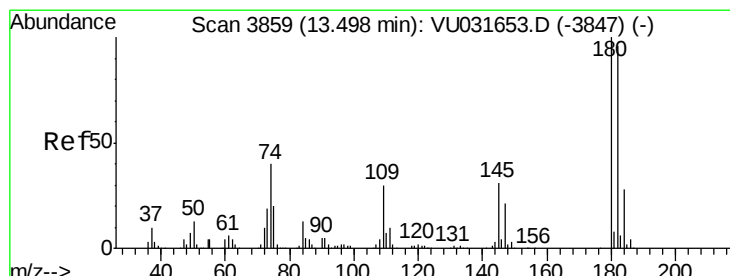
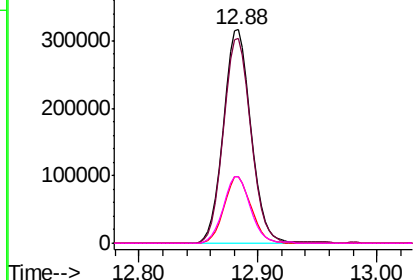
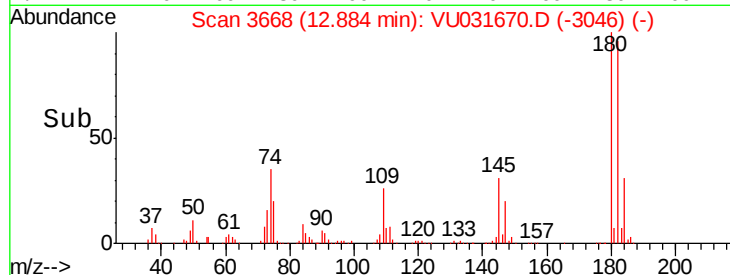
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

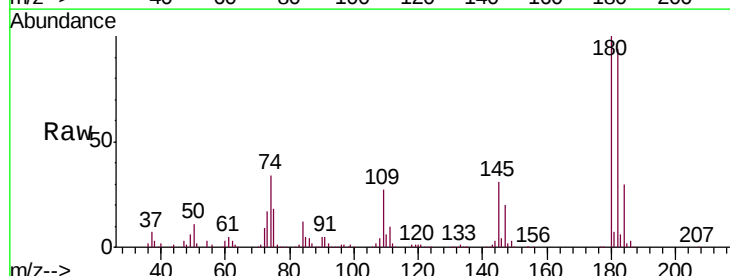
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 58.657 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031670.D
 Acq: 01 May 2019 09:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.8	113.8
145	30.0	24.5	36.7

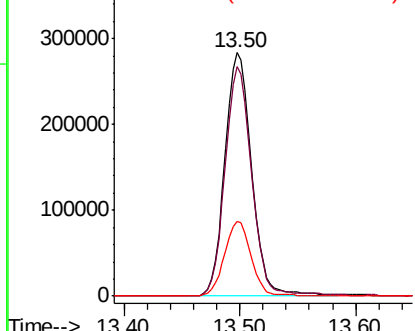
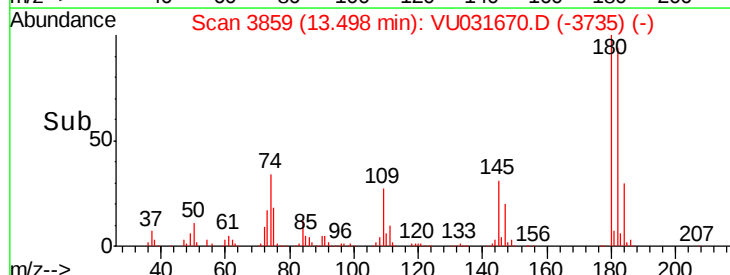


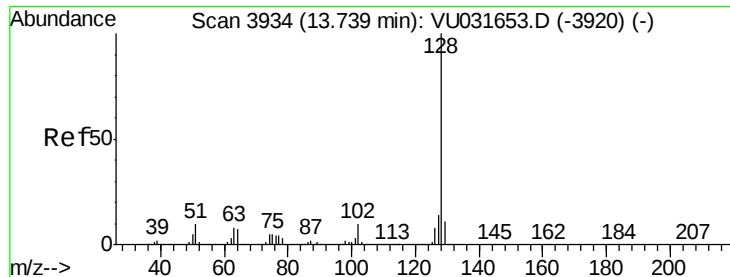
Abundance

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: 63.010 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

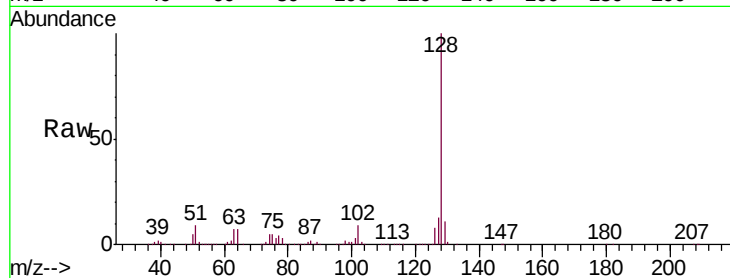
Tgt Ion:128 Resp: 1655415

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

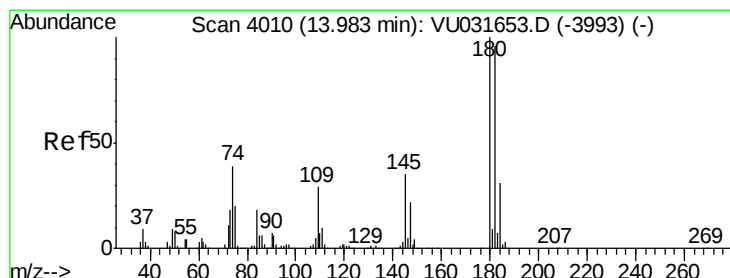
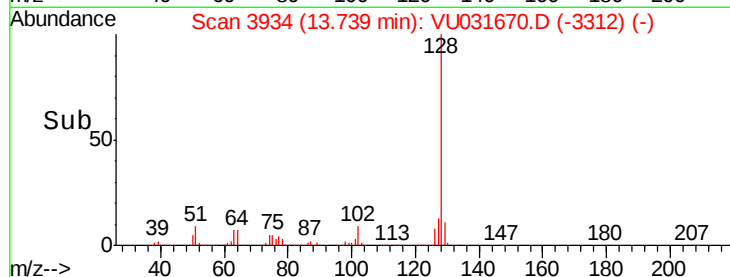
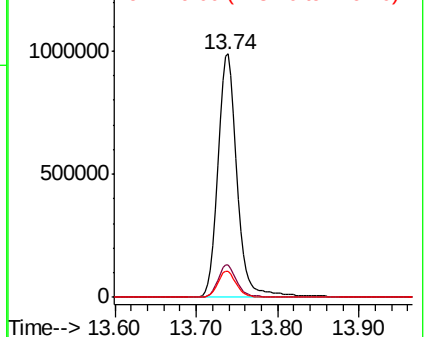
129 10.6 8.7 13.1



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: 53.223 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU031670.D

Acq: 01 May 2019 09:35

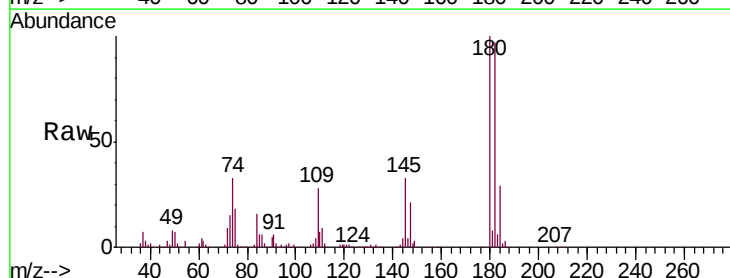
Tgt Ion:180 Resp: 466912

Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 32.8 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

