

Data File : VU033412.D
Acq On : 25 Jul 2019 16:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Jul 26 04:38:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 04:32:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	273866	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	142804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103590	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.94%
7) Chloroethane-d5	1.67	69	98606	55.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.36%
11) 1,1-Dichloroethene-d2	2.26	63	196283	52.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.40%
21) 2-Butanone-d5	4.15	46	151226	115.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	4.62	84	196659	56.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.20%
26) 1,2-Dichloroethane-d4	5.29	65	124388	55.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.64%
32) Benzene-d6	5.32	84	375274	54.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.36%
36) 1,2-Dichloropropane-d6	6.31	67	121022	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.08%
41) Toluene-d8	7.55	98	351649	53.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.66%
43) trans-1,3-Dichloropropene-	7.83	79	57105	52.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.96%
47) 2-Hexanone-d5	8.30	63	107577	107.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189434	56.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	140526	55.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	136036	50.124 ug/L	100
3) Chloromethane	1.32	50	128727	48.145 ug/L	99
5) Vinyl chloride	1.40	62	152640	49.391 ug/L	97
6) Bromomethane	1.61	94	95258	49.443 ug/L	99
8) Chloroethane	1.69	64	95915	51.312 ug/L	96
9) Trichlorofluoromethane	1.87	101	213479	52.532 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	98596	52.772 ug/L	98
12) 1,1-Dichloroethene	2.27	96	91012	49.789 ug/L	96
13) Acetone	2.31	43	141923	86.473 ug/L	99
14) Carbon disulfide	2.46	76	262882	47.022 ug/L	99
15) Methyl Acetate	2.60	43	103694	48.381 ug/L	98
16) Methylene chloride	2.68	84	106390	50.975 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	93101	49.279 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	292203	50.108 ug/L	100
19) 1,1-Dichloroethane	3.42	63	182924	50.371 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	108541	50.935 ug/L	99
22) 2-Butanone	4.23	43	168475	92.404 ug/L	99

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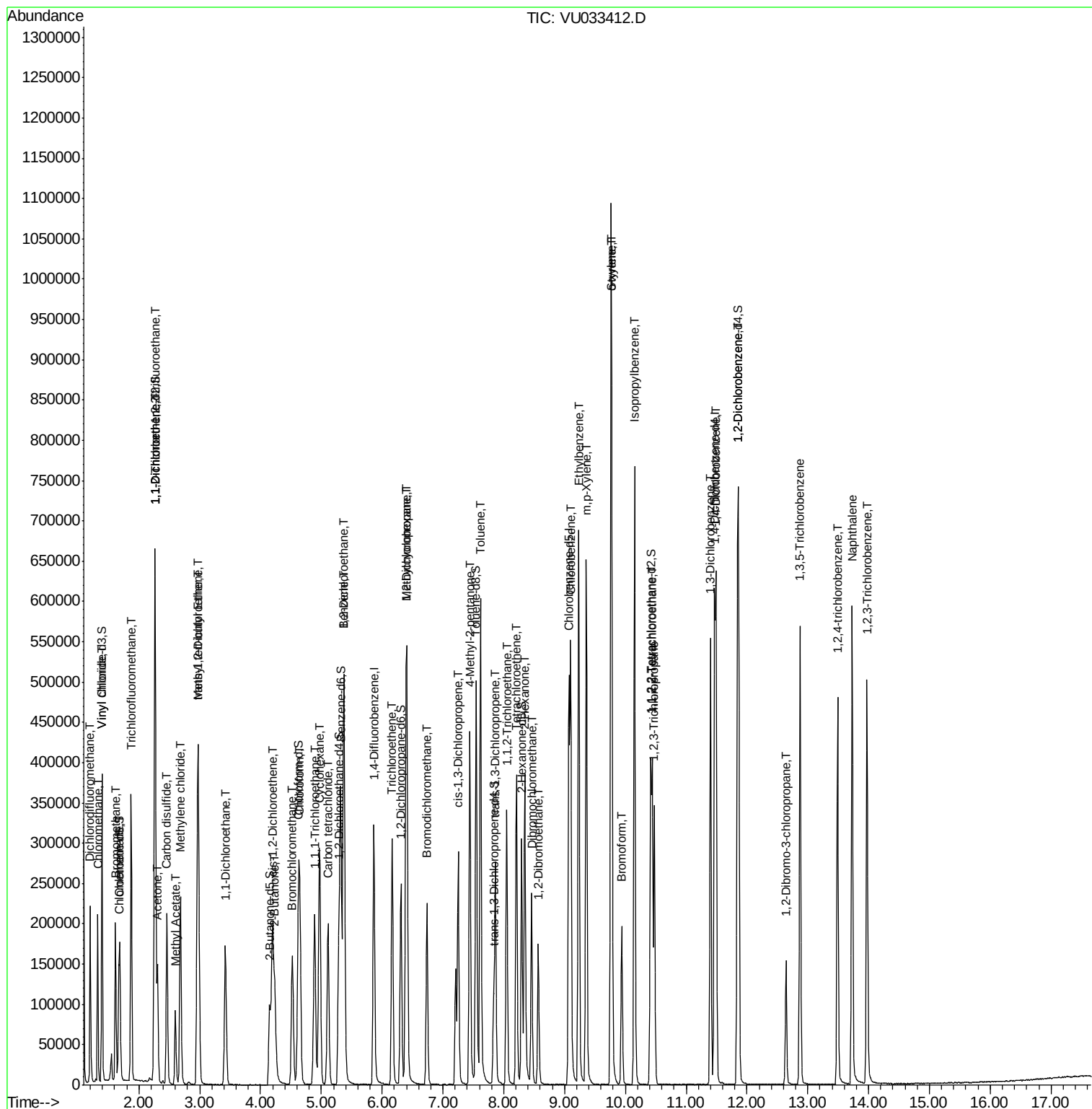
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	57141	52.365	ug/L	97
25) Chloroform	4.65	83	196530	50.884	ug/L	99
27) 1,2-Dichloroethane	5.38	62	152407	50.958	ug/L	99
29) Cyclohexane	4.97	56	152875	49.685	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	164176	49.837	ug/L	99
31) Carbon tetrachloride	5.11	117	143896	49.914	ug/L	100
33) Benzene	5.37	78	410553	49.857	ug/L	100
34) Trichloroethene	6.16	95	107421	49.880	ug/L	99
35) Methylcyclohexane	6.40	83	165054	50.032	ug/L	99
37) 1,2-Dichloropropane	6.41	63	110839	49.632	ug/L	100
38) Bromodichloromethane	6.74	83	148587	51.580	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	166005	48.482	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	284194	94.863	ug/L	100
42) Toluene	7.62	91	462193	52.061	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	155489	50.354	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	108330	51.290	ug/L	98
46) Tetrachloroethene	8.21	164	84853	50.897	ug/L	98
48) 2-Hexanone	8.35	43	239510	98.134	ug/L	100
49) Dibromochloromethane	8.46	129	120633	51.201	ug/L	97
50) 1,2-Dibromoethane	8.57	107	114354	49.657	ug/L	98
51) Chlorobenzene	9.10	112	293756	50.694	ug/L	99
52) Ethylbenzene	9.23	91	495502	52.159	ug/L	98
53) m,p-Xylene	9.36	106	192067	53.377	ug/L	99
54) o-xylene	9.76	106	189116	52.930	ug/L	96
55) Styrene	9.77	104	317985	52.494	ug/L	96
56) Isopropylbenzene	10.15	105	484333	52.679	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	185829	50.089	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	144098	49.564	ug/L	99
61) Bromoform	9.94	173	87923	50.413	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	222335	50.578	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	230459	50.141	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	234109	51.929	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	40574	47.154	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	175380	55.205	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	150127	54.102	ug/L	100
69) Naphthalene	13.73	128	473718	53.243	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	158865	52.734	ug/L	99

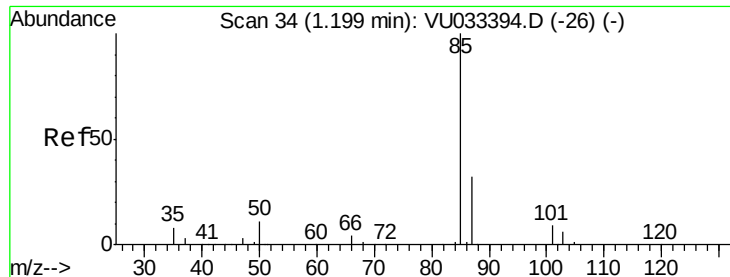
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.124 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

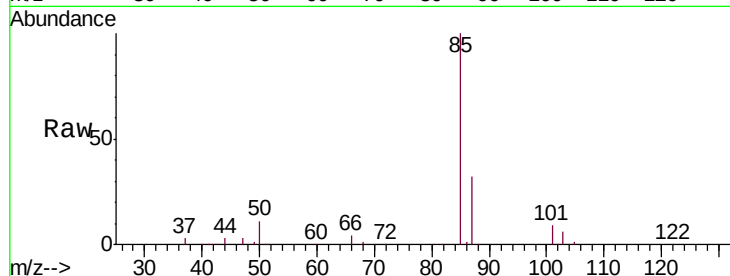
VSTD05056

Tgt Ion: 85 Resp: 136036

Ion Ratio Lower Upper

85 100

87 31.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033394.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033394.D (-26) (-)

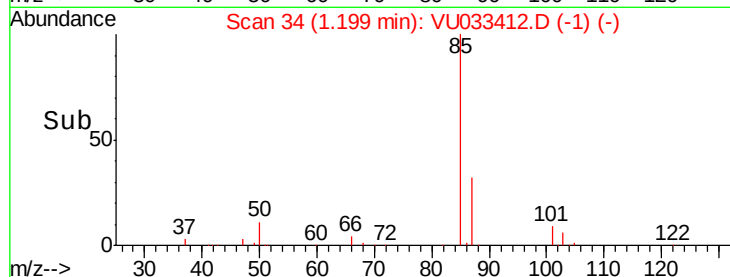
1.20

100000

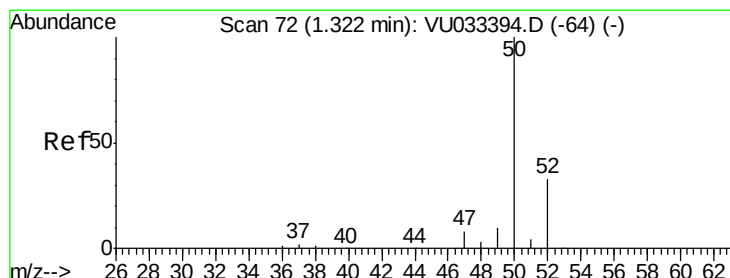
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 48.145 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033412.D

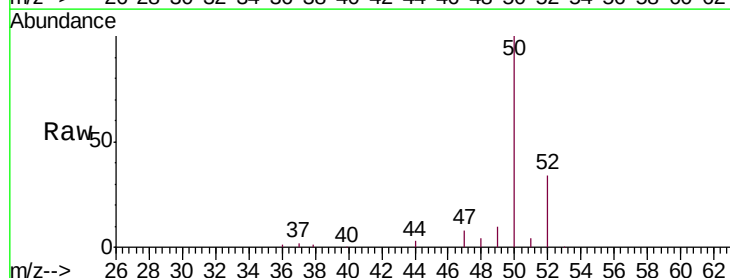
Acq: 25 Jul 2019 16:22

Tgt Ion: 50 Resp: 128727

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033394.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033394.D (-64) (-)

1.32

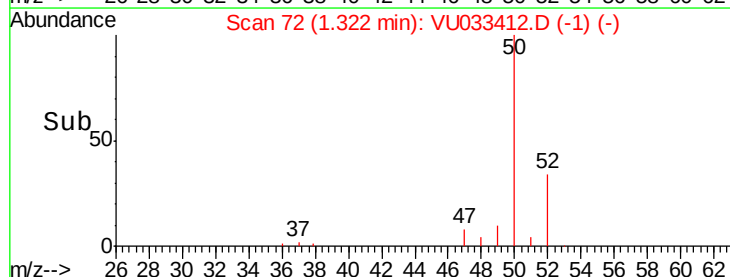
150000

100000

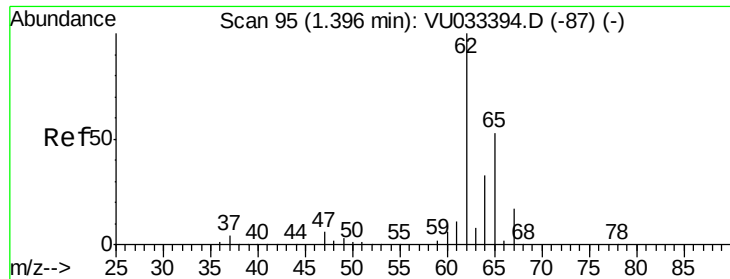
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 49.391 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

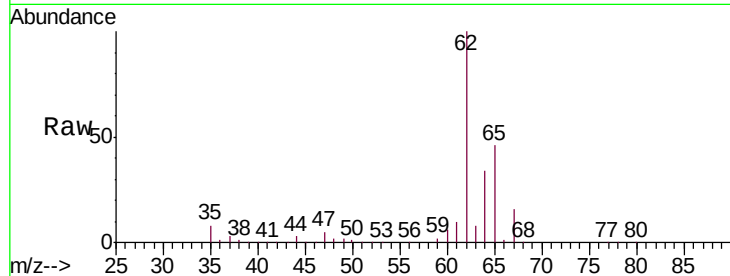
VSTD05056

Tgt Ion: 62 Resp: 152640

Ion Ratio Lower Upper

62 100

64 34.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

100000

50000

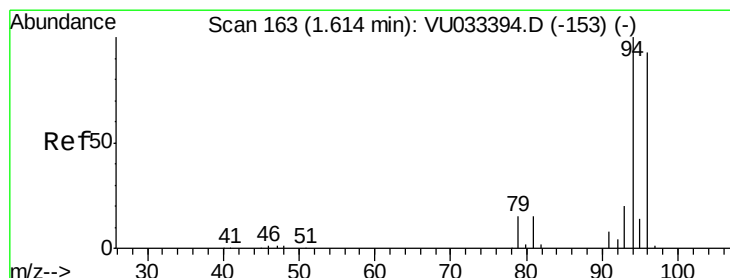
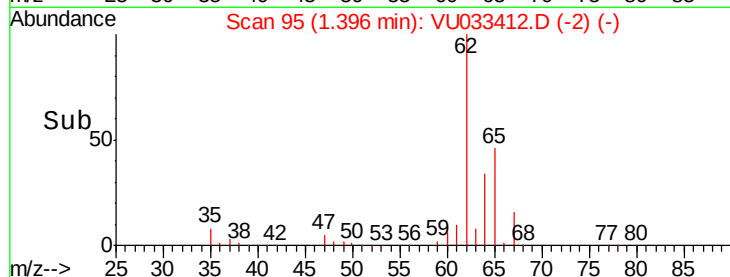
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 49.443 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU033412.D

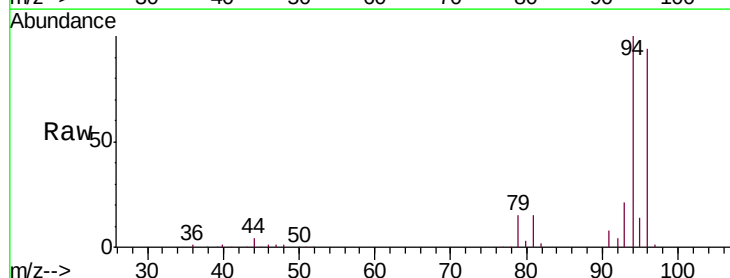
Acq: 25 Jul 2019 16:22

Tgt Ion: 94 Resp: 95258

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

80000

60000

40000

20000

0

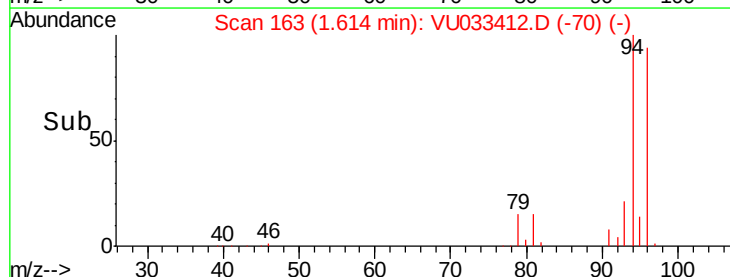
1.55

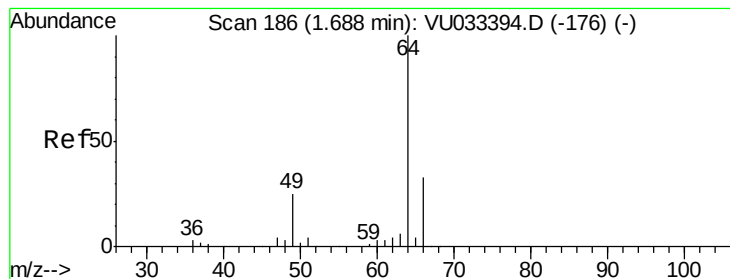
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 51.312 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

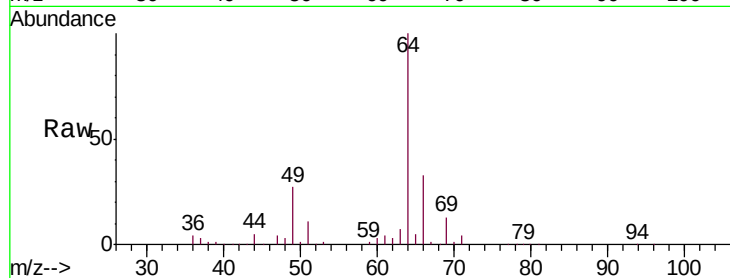
VSTD05056

Tgt Ion: 64 Resp: 95915

Ion Ratio Lower Upper

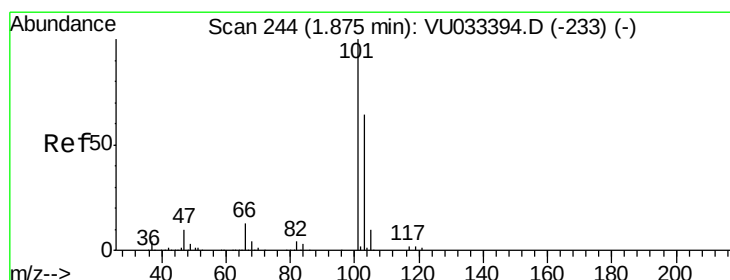
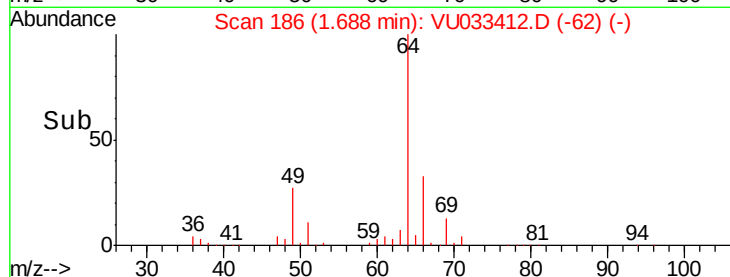
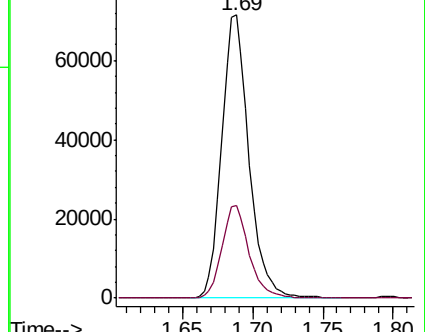
64 100

66 32.8 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU033412.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033412.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 52.532 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033412.D

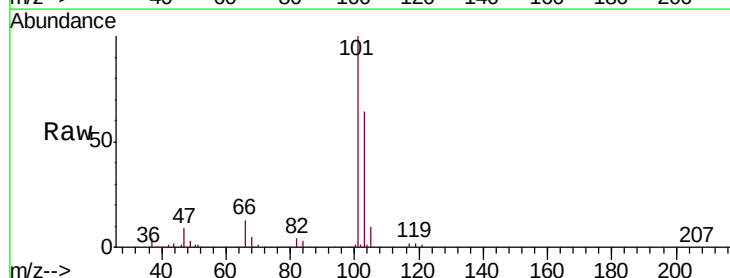
Acq: 25 Jul 2019 16:22

Tgt Ion: 101 Resp: 213479

Ion Ratio Lower Upper

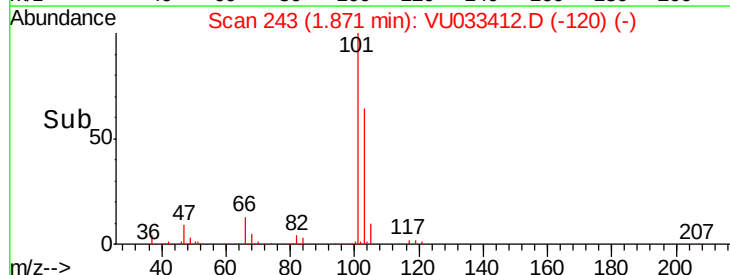
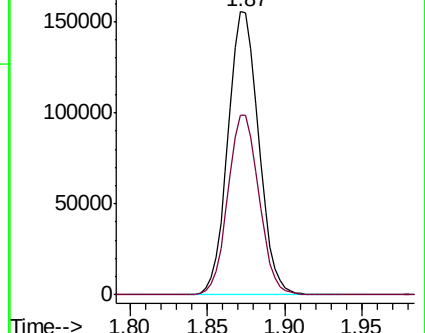
101 100

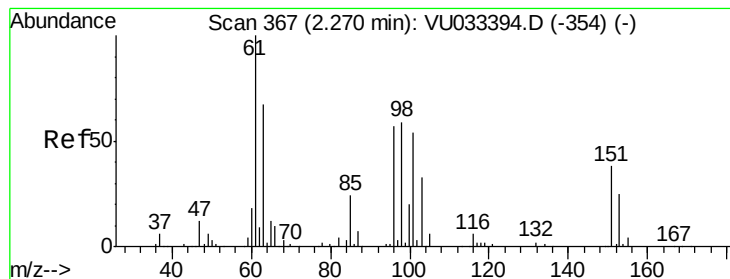
103 64.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033412.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033412.D (-233) (-)





#10

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

Concen: 52.772 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

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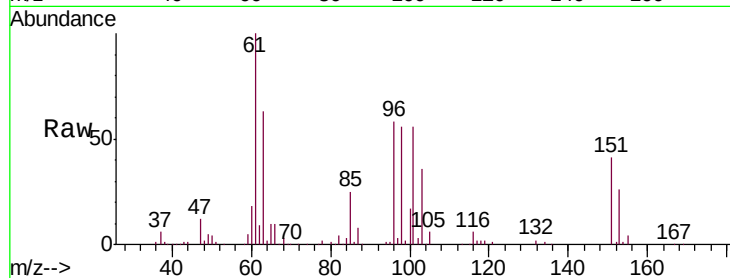
Tgt Ion: 101 Resp: 98596

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.8

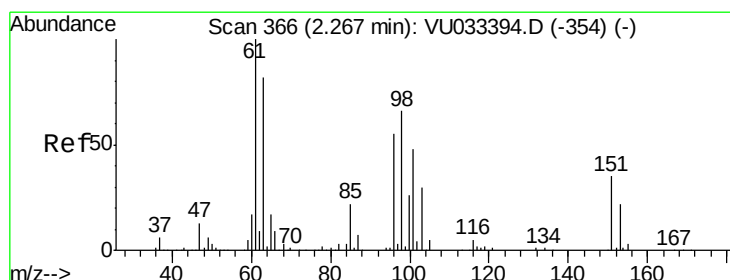
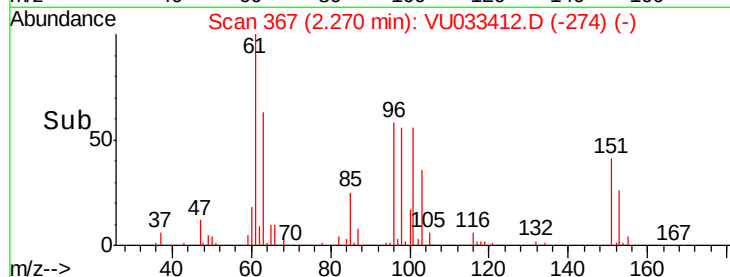
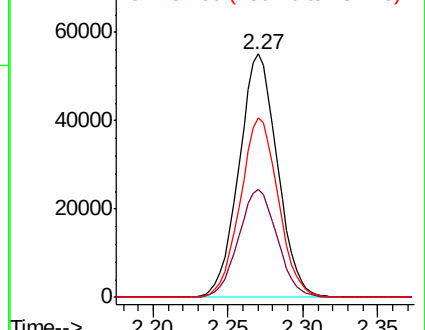
151 73.1 56.7 85.1



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: 49.789 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

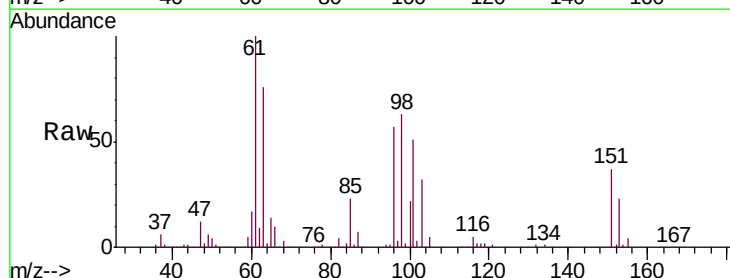
Tgt Ion: 96 Resp: 91012

Ion Ratio Lower Upper

96 100

61 175.1 126.1 234.1

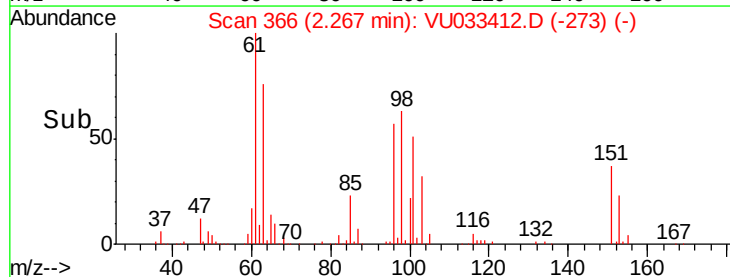
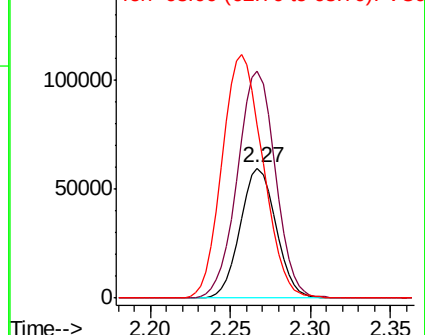
63 133.2 96.8 179.8

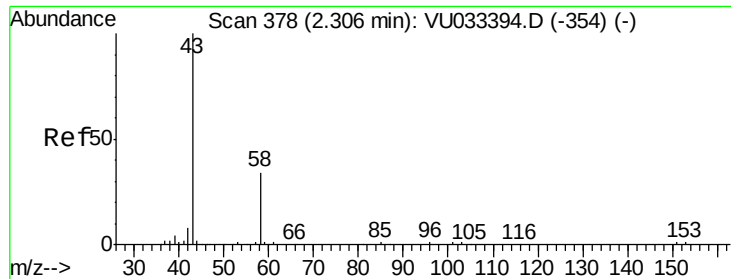


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.473 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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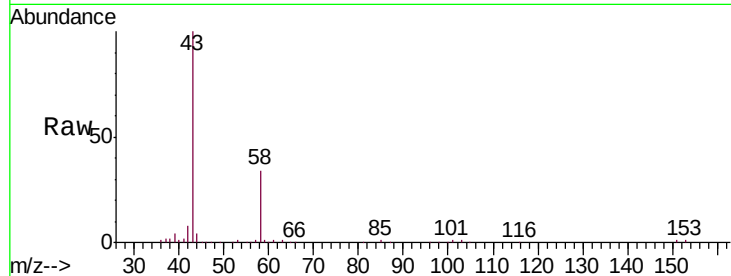
VSTD05056

Tgt Ion: 43 Resp: 141923

Ion Ratio Lower Upper

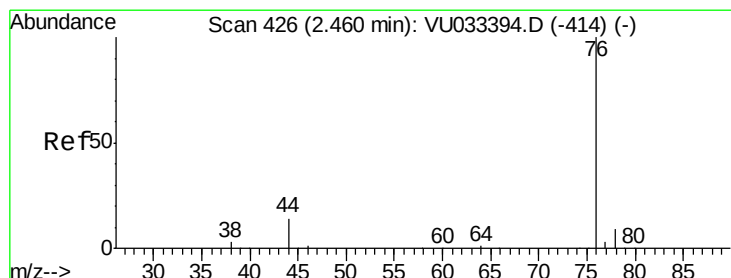
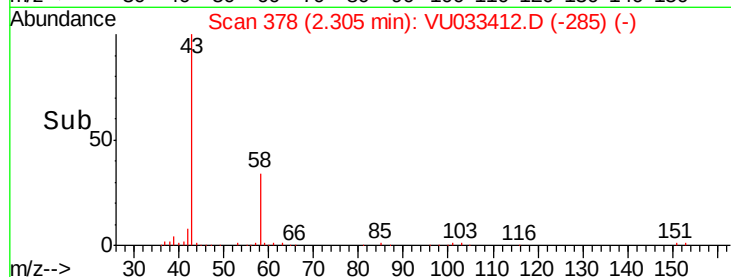
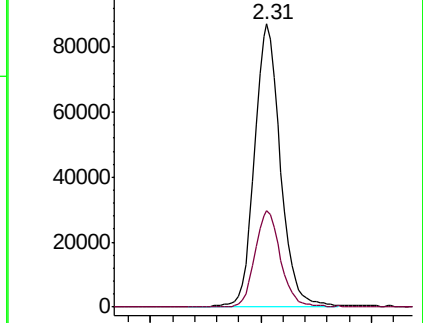
43 100

58 33.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033394.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU033394.D (-354) (-)



#14

Carbon disulfide

Concen: 47.022 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033412.D

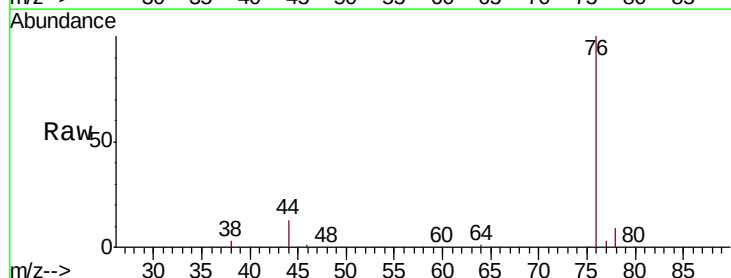
Acq: 25 Jul 2019 16:22

Tgt Ion: 76 Resp: 262882

Ion Ratio Lower Upper

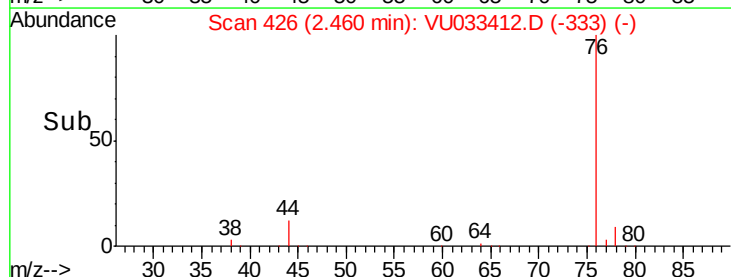
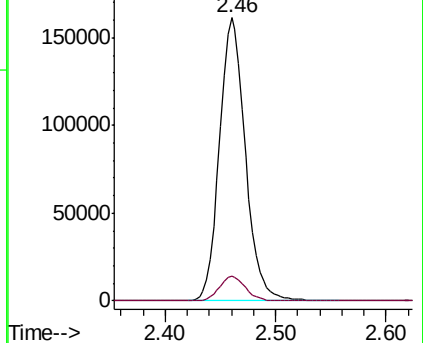
76 100

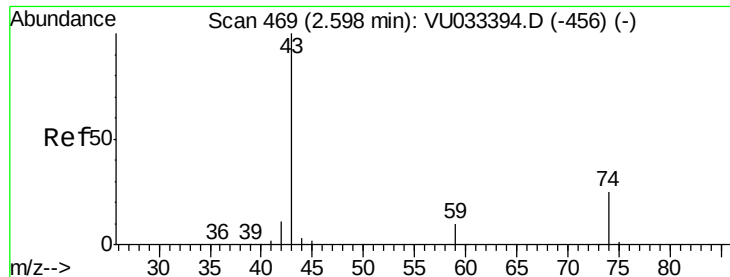
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033394.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033394.D (-414) (-)

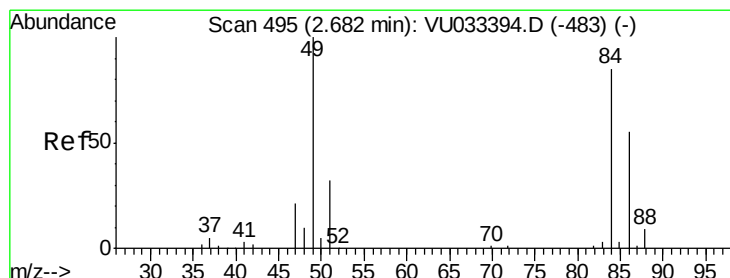
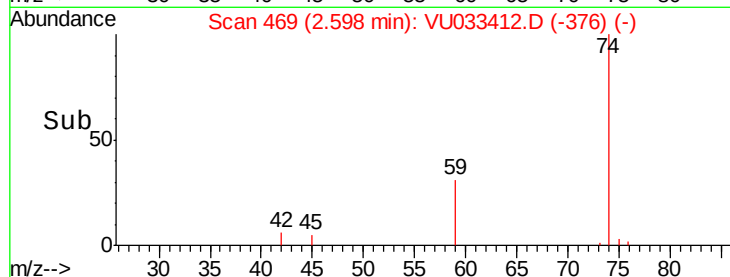
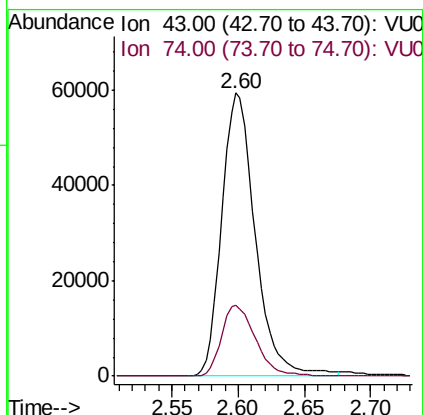
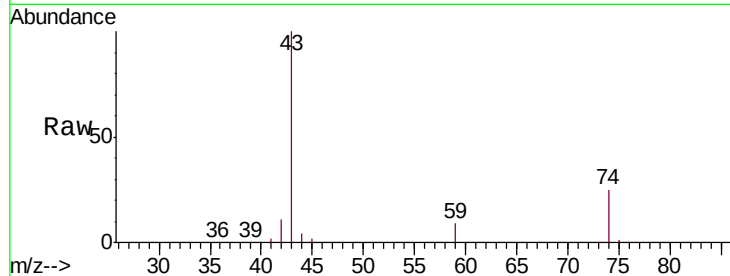




#15
Methyl Acetate
Concen: 48.381 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

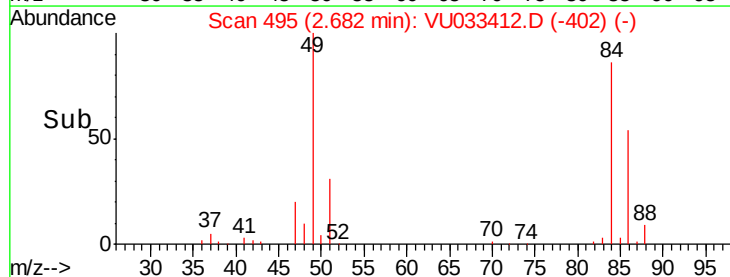
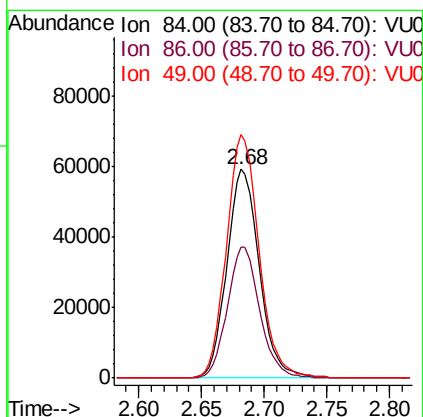
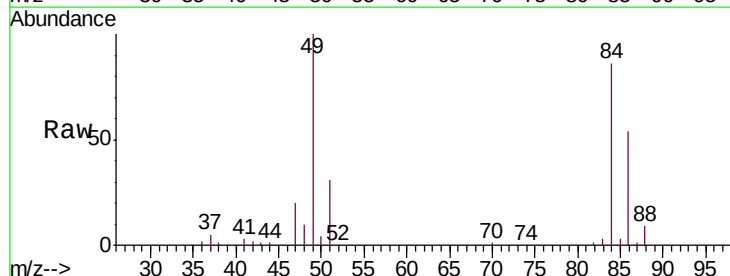
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

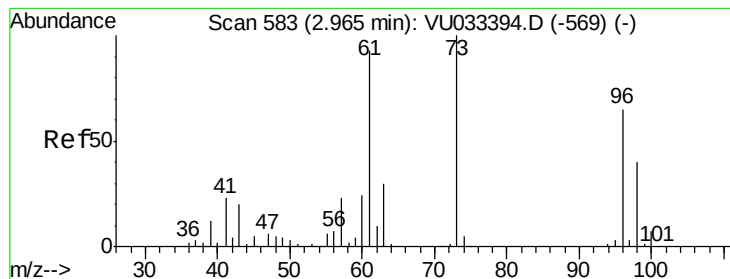
Tgt Ion: 43 Resp: 103694
Ion Ratio Lower Upper
43 100
74 25.8 19.9 29.9



#16
Methylene chloride
Concen: 50.975 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Tgt Ion: 84 Resp: 106390
Ion Ratio Lower Upper
84 100
86 62.8 45.7 84.9
49 116.6 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 49.279 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

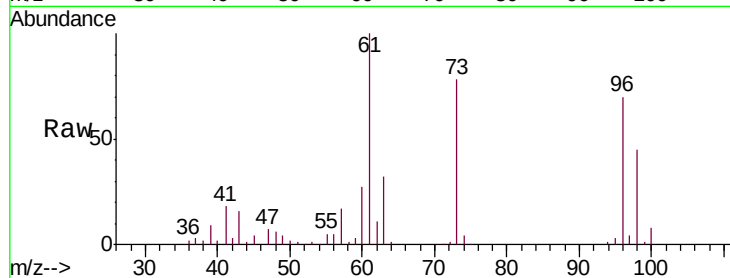
Tgt Ion: 96 Resp: 93101

Ion Ratio Lower Upper

96 100

61 142.0 100.2 186.2

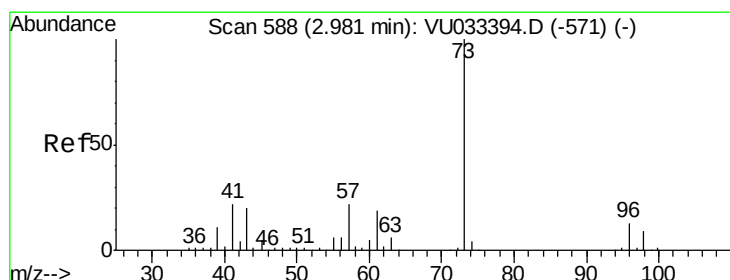
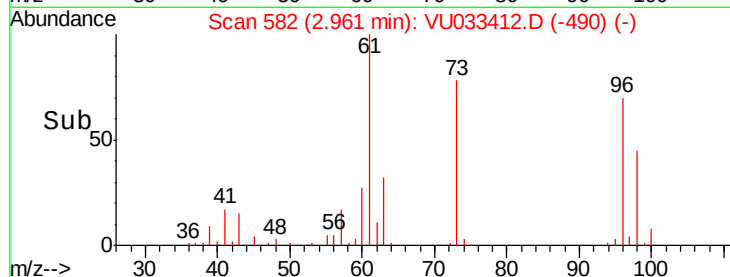
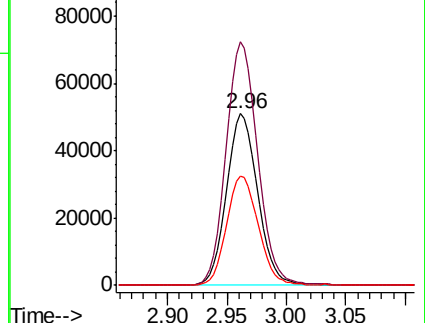
98 63.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033394.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033394.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033394.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 50.108 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

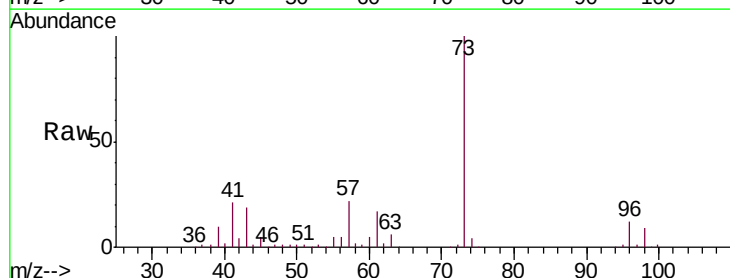
Tgt Ion: 73 Resp: 292203

Ion Ratio Lower Upper

73 100

43 19.4 15.7 23.5

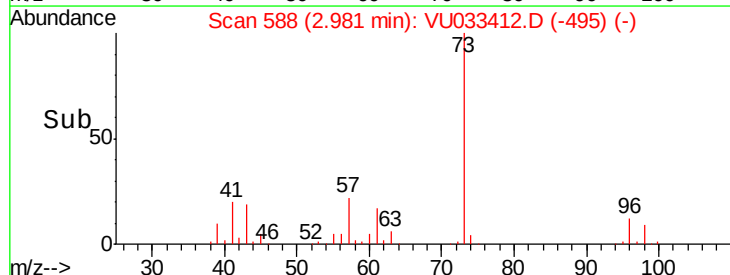
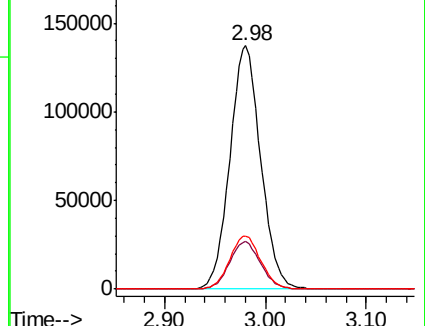
57 21.9 17.8 26.6

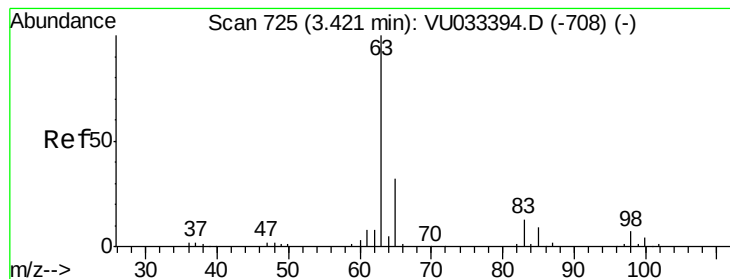


Abundance Ion 73.00 (72.70 to 73.70): VU033394.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033394.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033394.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 50.371 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

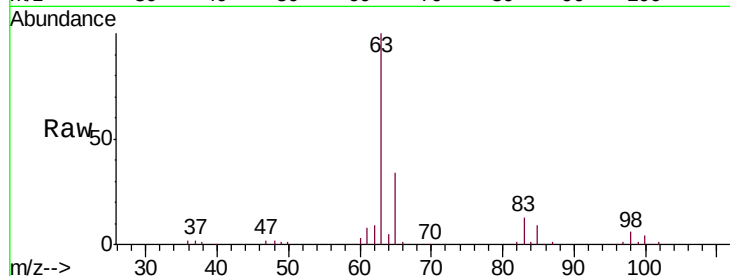
Tgt Ion: 63 Resp: 182924

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.5

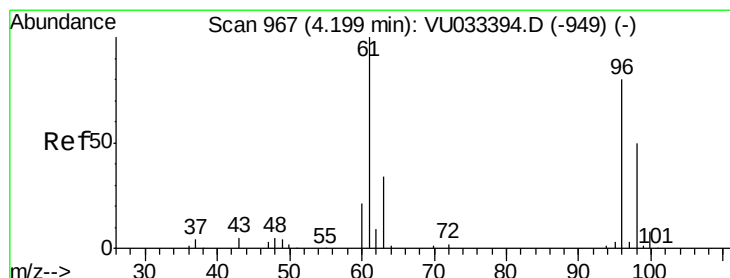
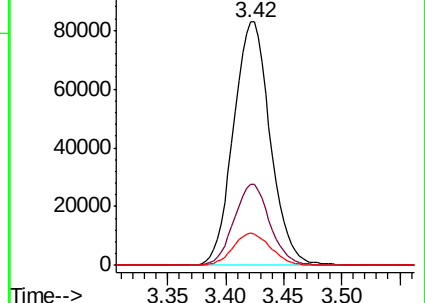
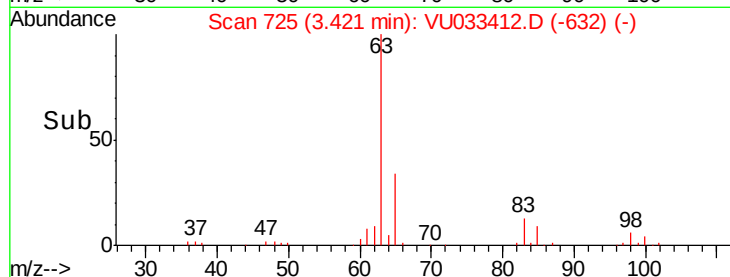
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033412.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033412.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033412.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.935 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

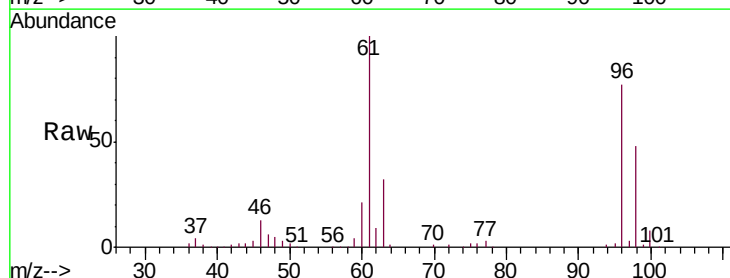
Tgt Ion: 96 Resp: 108541

Ion Ratio Lower Upper

96 100

61 129.3 91.1 169.1

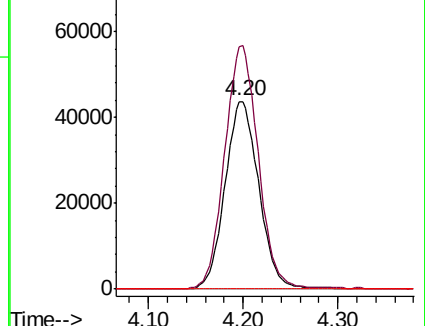
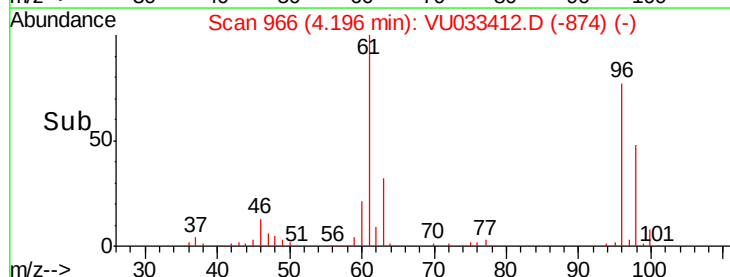
68 0.0 0.0 0.0

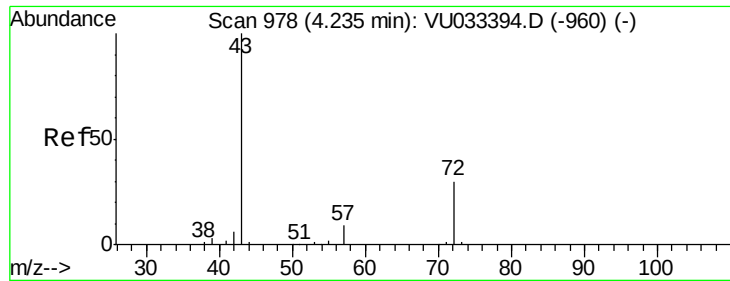


Abundance Ion 96.00 (95.70 to 96.70): VU033412.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033412.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033412.D (-874) (-)





#22

2-Butanone

Concen: 92.404 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

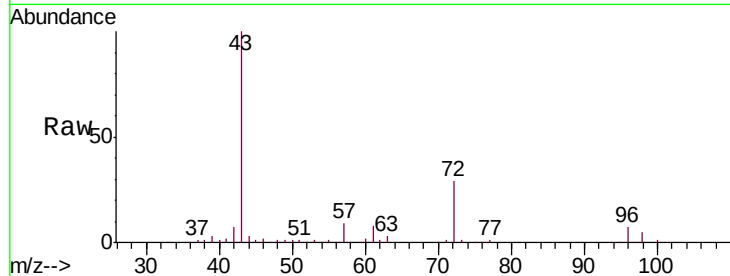
VSTD05056

Tgt Ion: 43 Resp: 168475

Ion Ratio Lower Upper

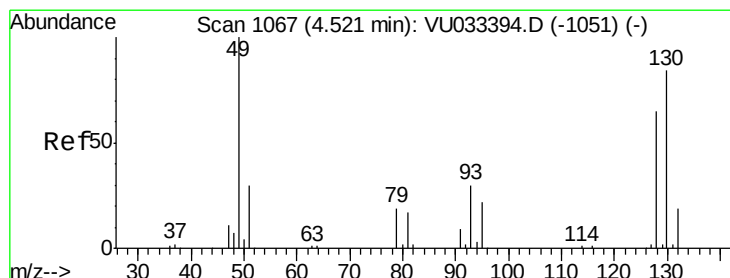
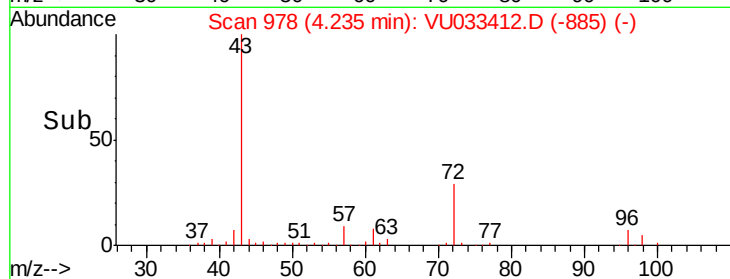
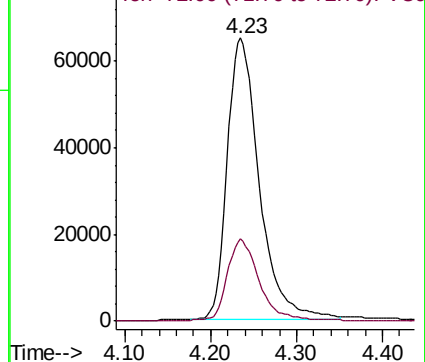
43 100

72 29.1 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033394.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033394.D (-960) (-)



#23

Bromochloromethane

Concen: 52.365 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Tgt Ion: 128 Resp: 57141

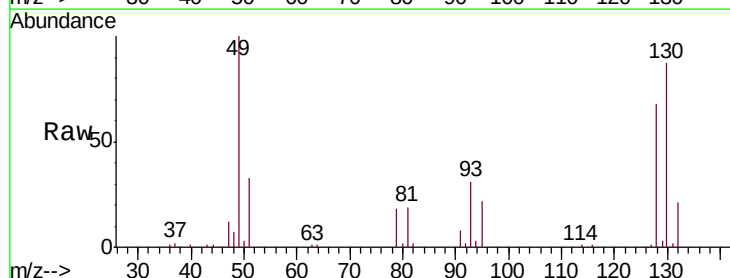
Ion Ratio Lower Upper

128 100

49 147.3 107.2 199.2

130 127.7 87.0 161.6

51 48.9 39.6 59.4

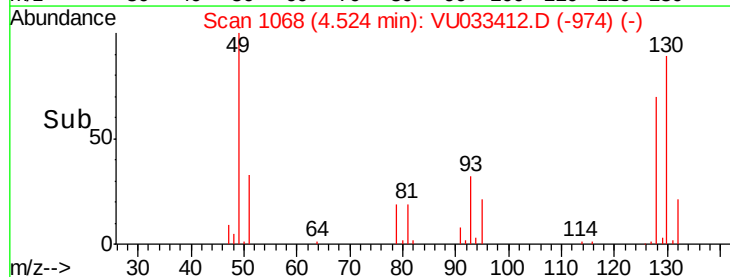
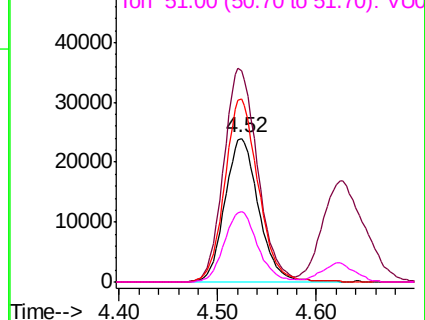


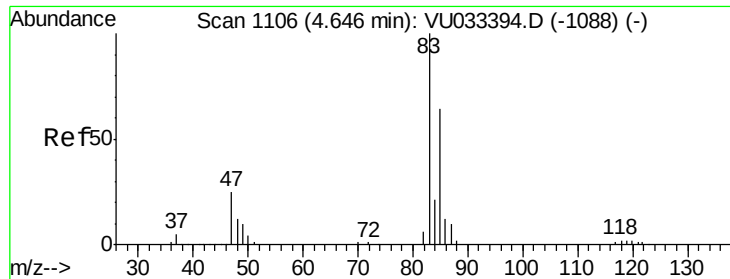
Abundance Ion 128.00 (127.70 to 128.70): VU033394.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU033394.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU033394.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU033394.D (-1051) (-)

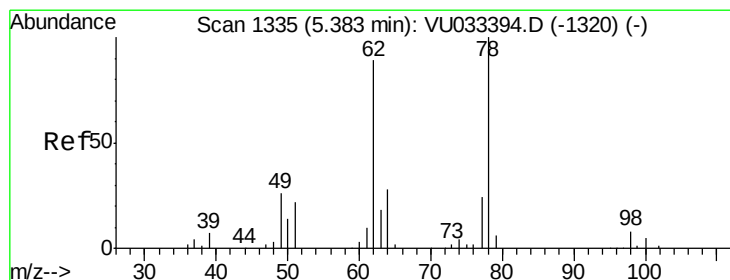
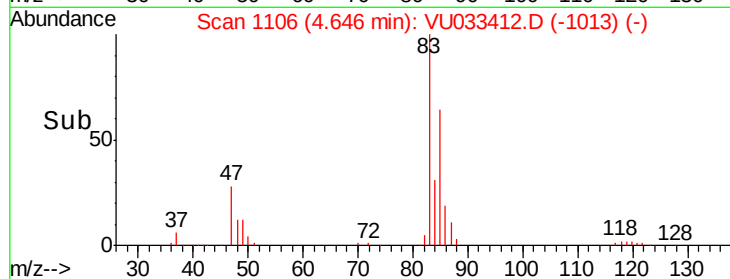
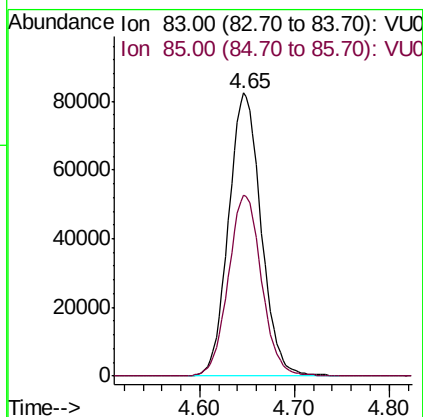
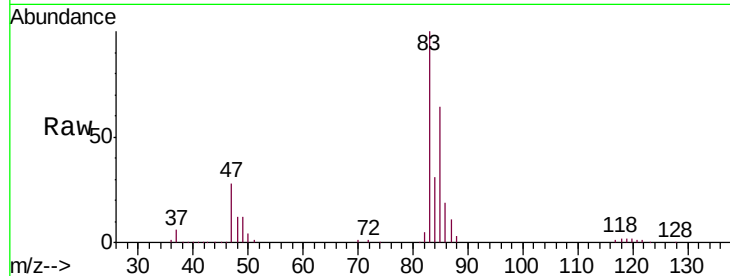




#25
Chloroform
Concen: 50.884 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

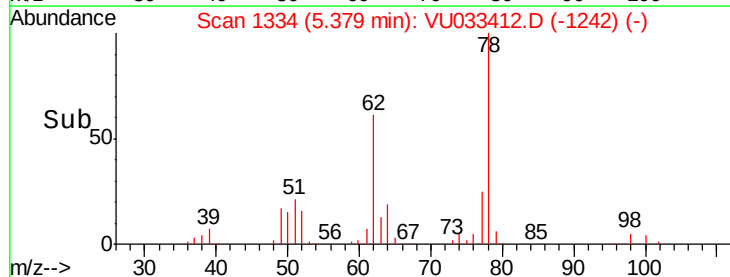
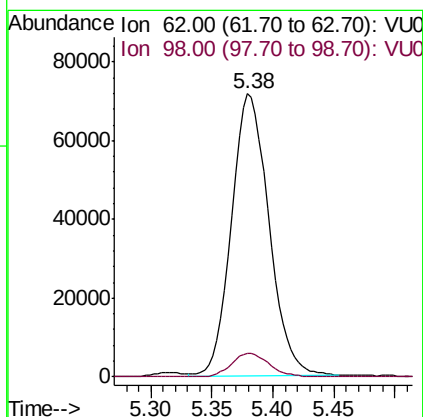
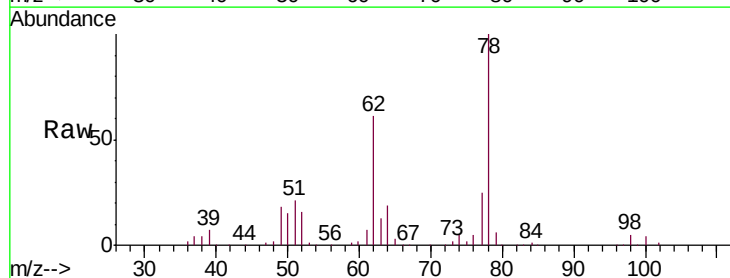
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

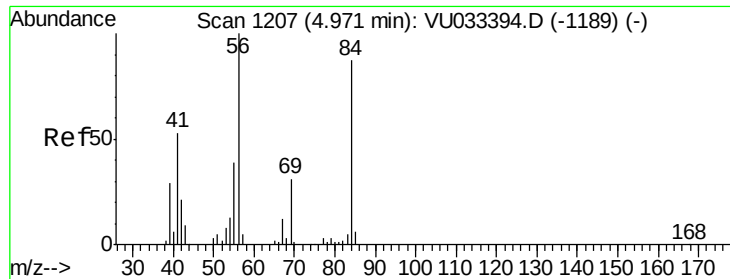
Tgt Ion: 83 Resp: 196530
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.958 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Tgt Ion: 62 Resp: 152407
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

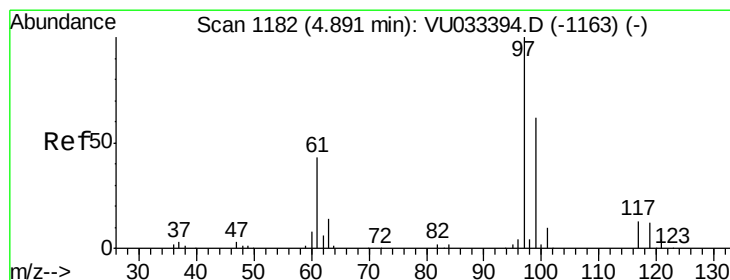
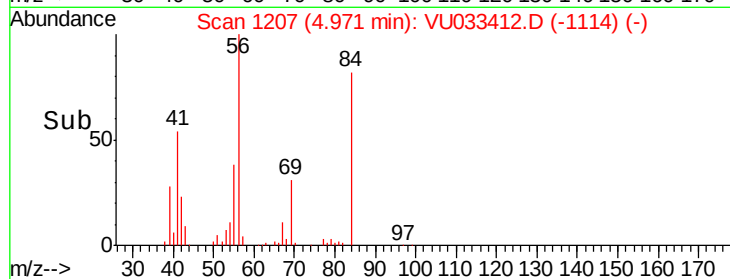
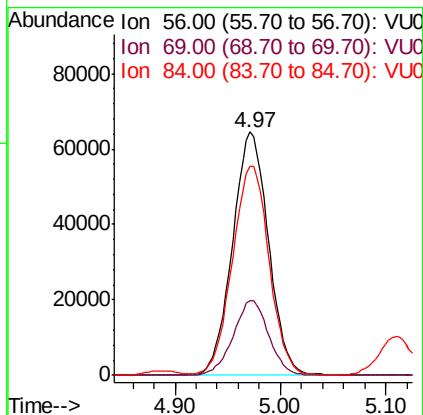
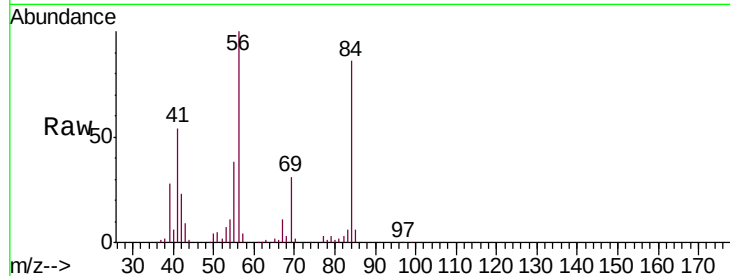




#29
Cyclohexane
Concen: 49.685 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

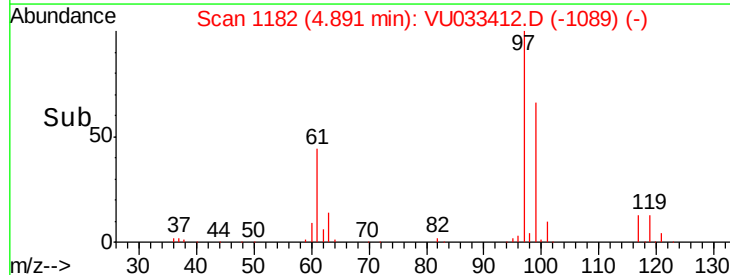
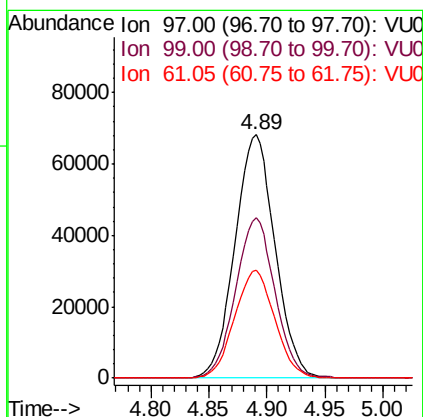
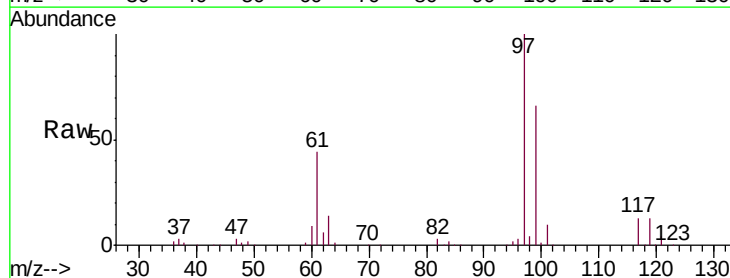
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

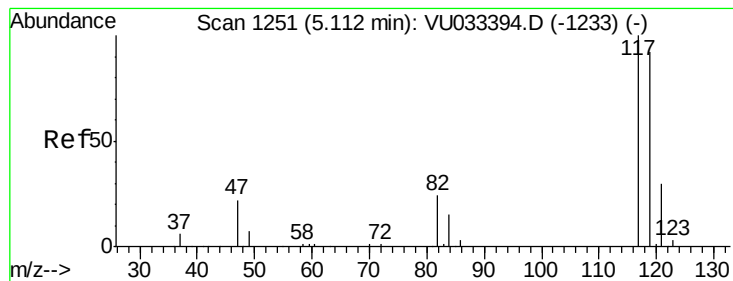
Tgt Ion: 56 Resp: 152875
Ion Ratio Lower Upper
56 100
69 30.1 24.7 37.1
84 88.0 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 49.837 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Tgt Ion: 97 Resp: 164176
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 44.3 36.4 54.6





#31

Carbon tetrachloride

Concen: 49.914 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

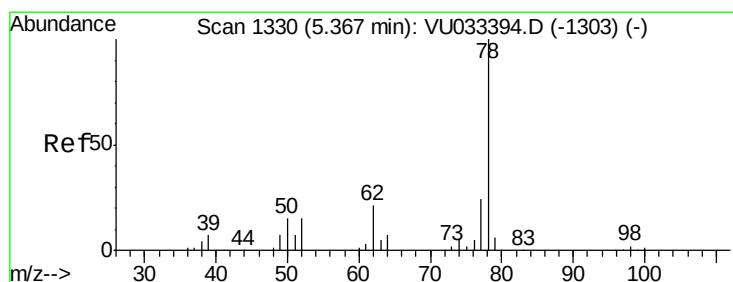
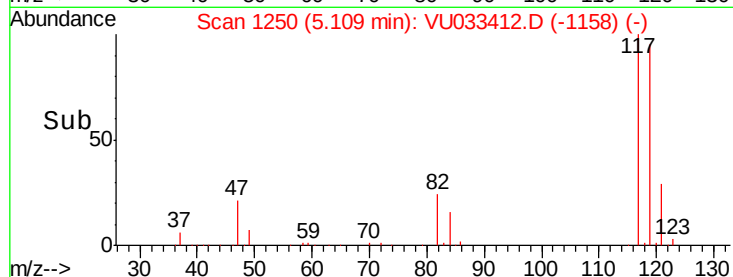
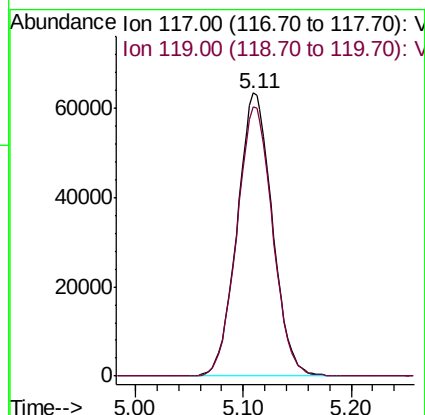
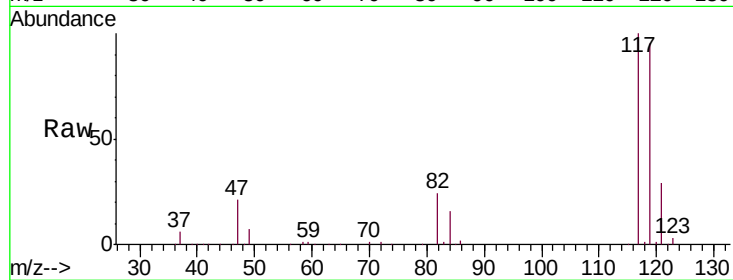
VSTD05056

Tgt Ion:117 Resp: 143896

Ion Ratio Lower Upper

117 100

119 96.3 76.9 115.3



#33

Benzene

Concen: 49.857 ug/L

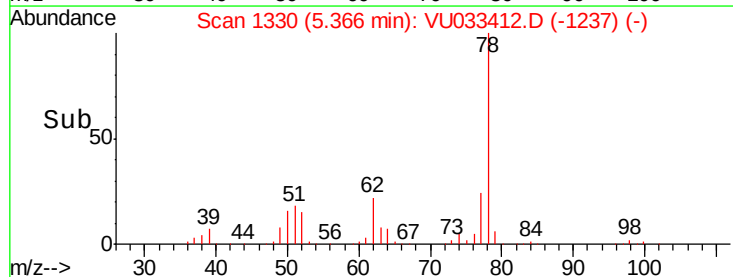
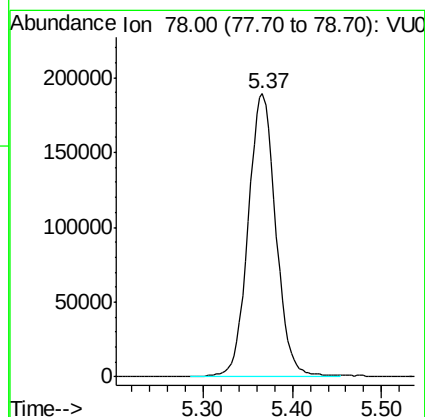
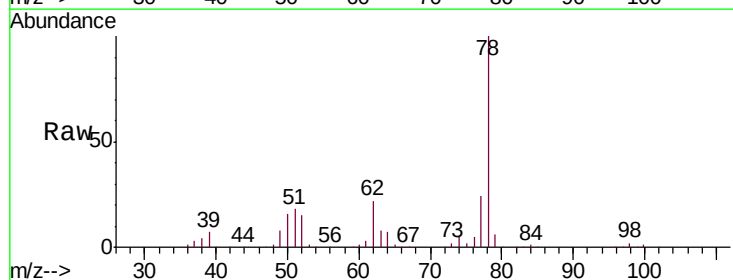
RT: 5.37 min Scan# 1330

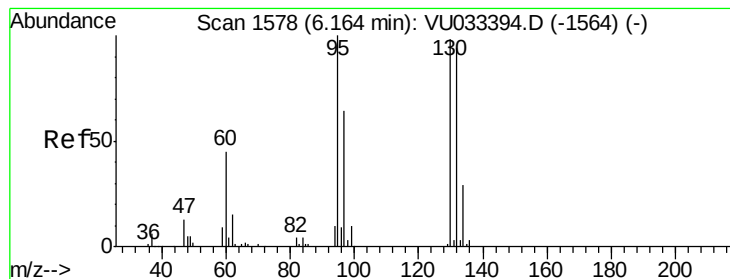
Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Tgt Ion: 78 Resp: 410553





#34

Trichloroethene

Concen: 49.880 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 107421

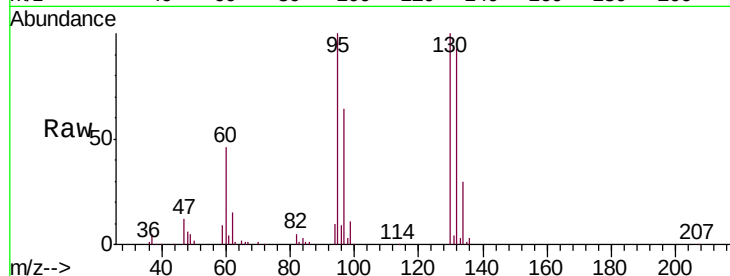
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 93.1 65.5 121.6

130 100.1 69.7 129.5



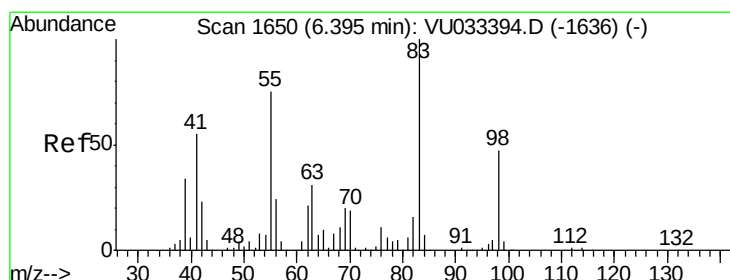
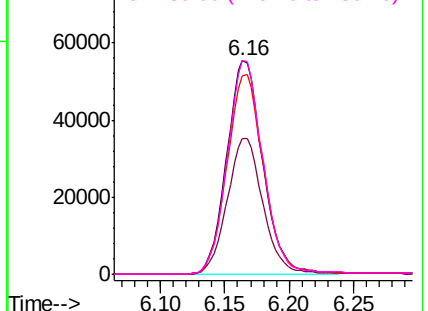
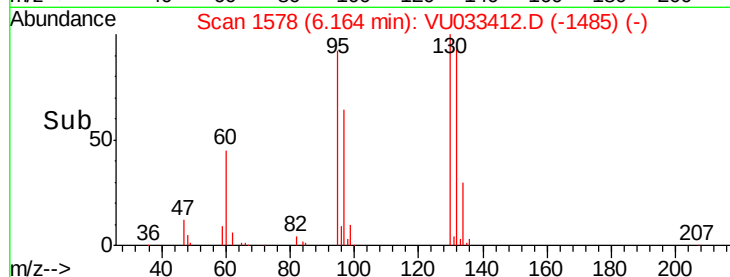
Abundance

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: 50.032 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

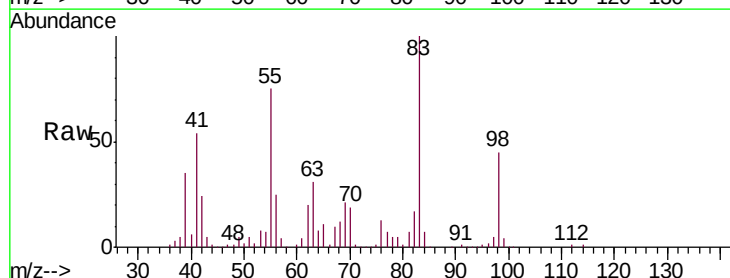
Tgt Ion: 83 Resp: 165054

Ion Ratio Lower Upper

83 100

55 76.6 60.5 90.7

98 46.4 37.4 56.0

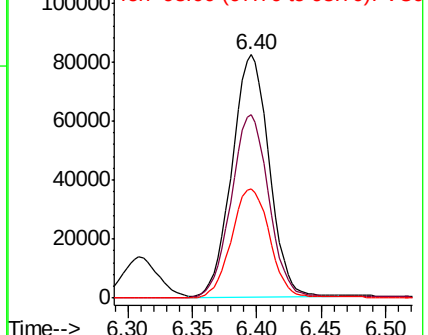
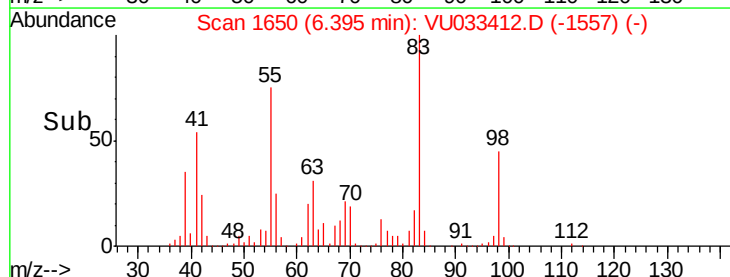


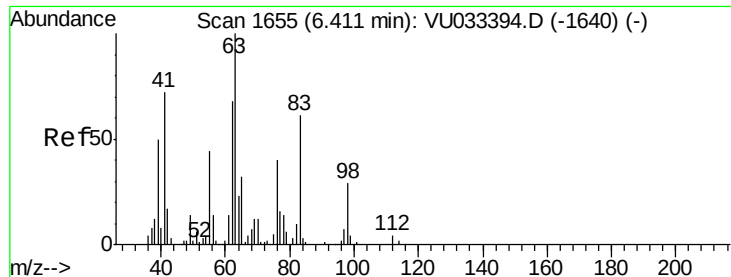
Abundance

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

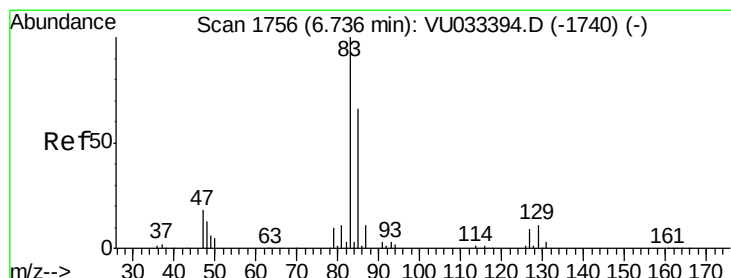
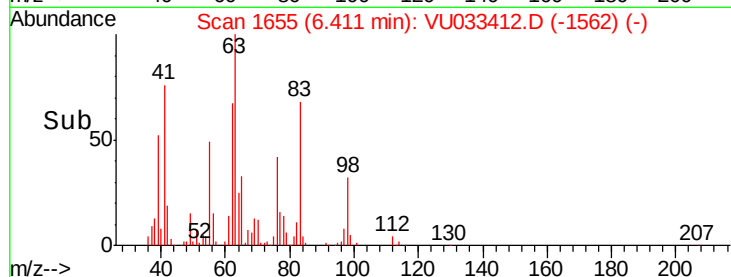
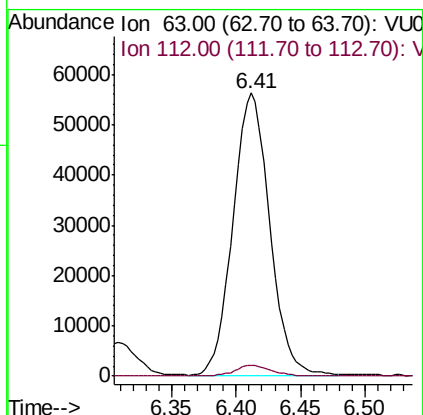
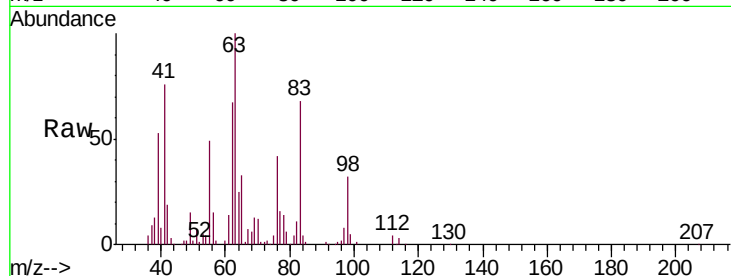




#37
 1,2-Dichloropropane
 Concen: 49.632 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

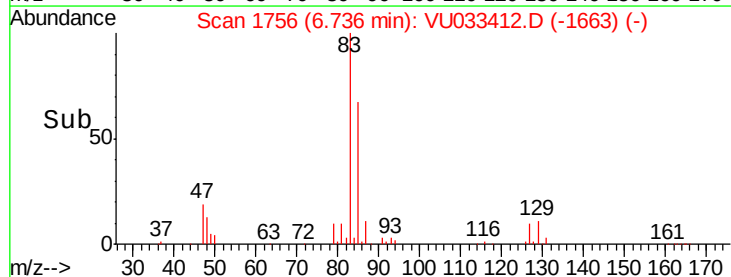
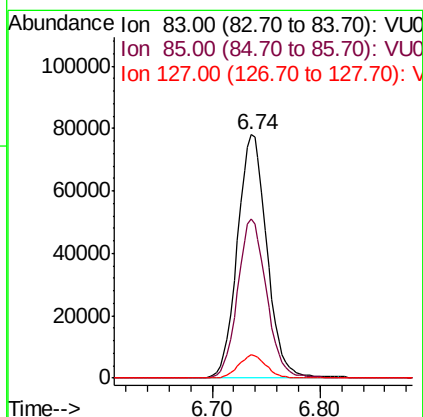
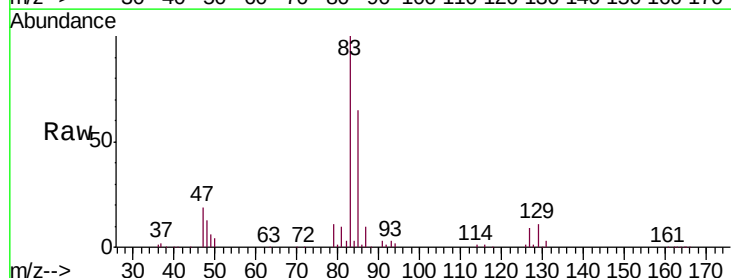
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

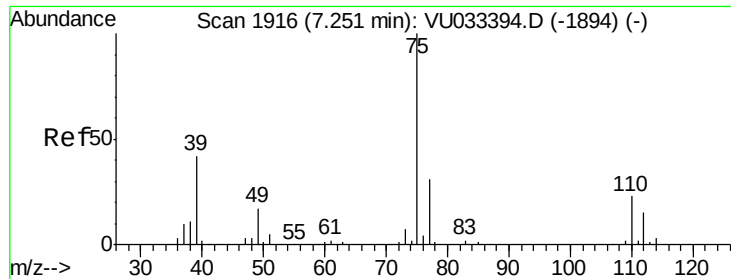
Tgt Ion: 63 Resp: 110839
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.580 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion: 83 Resp: 148587
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.8 85.0
 127 9.4 6.8 10.2

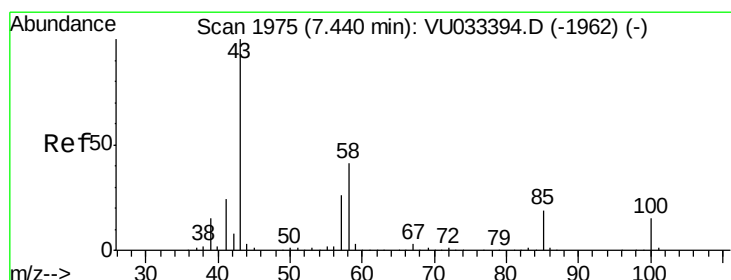
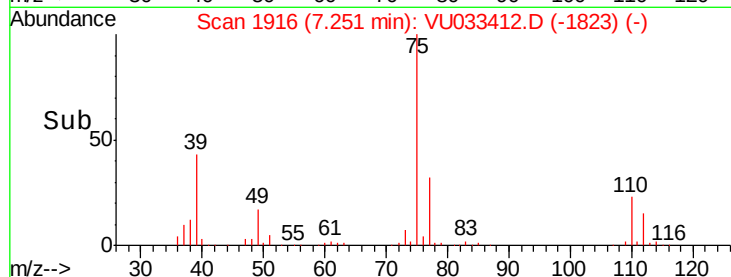
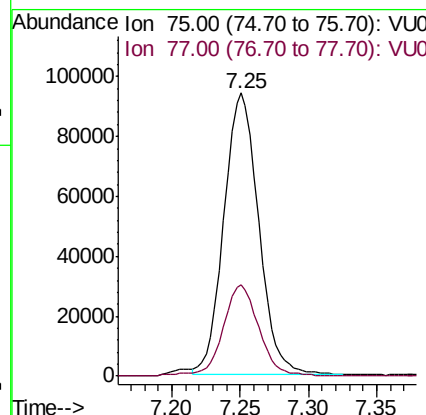
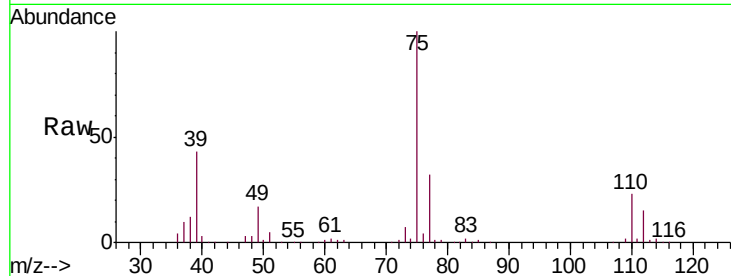




#39
 cis-1,3-Dichloropropene
 Concen: 48.482 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

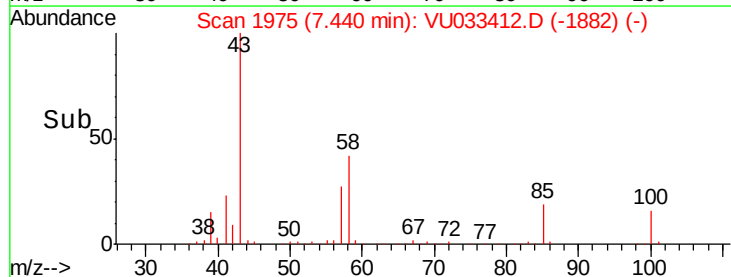
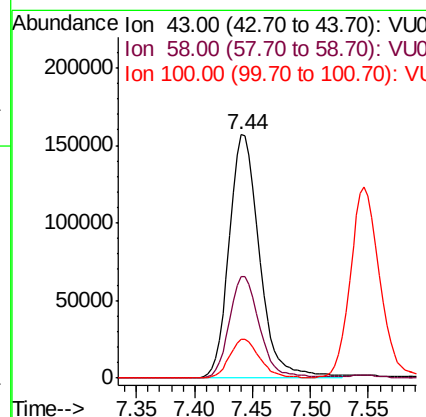
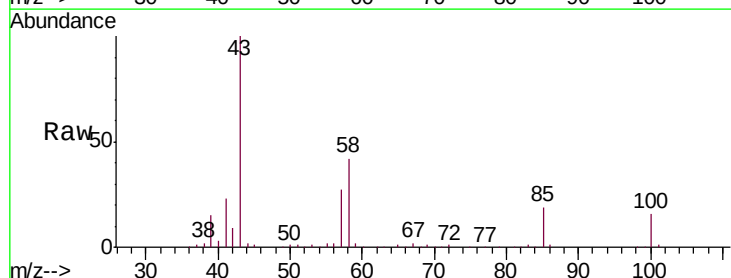
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

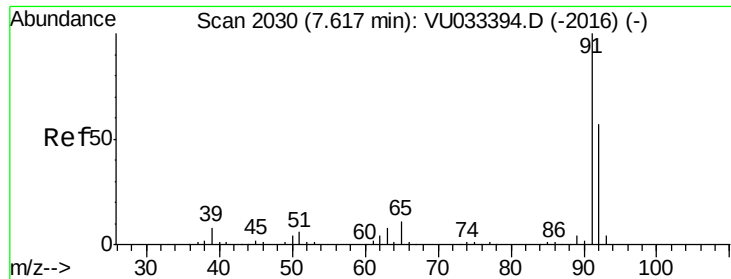
Tgt Ion: 75 Resp: 166005
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 94.863 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion: 43 Resp: 284194
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.3 49.9
 100 15.8 12.1 18.1





#42

Toluene

Concen: 52.061 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

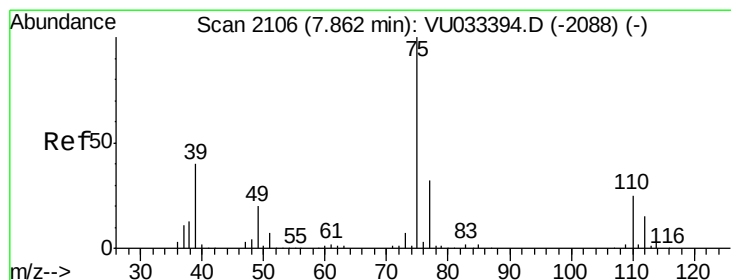
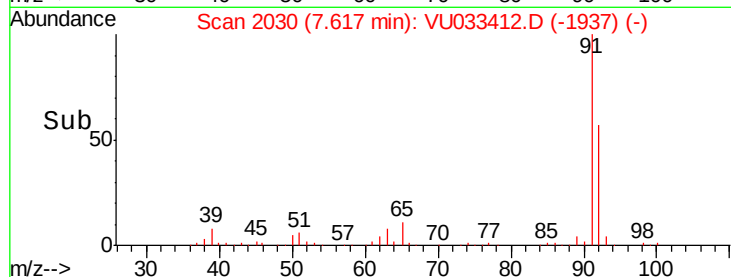
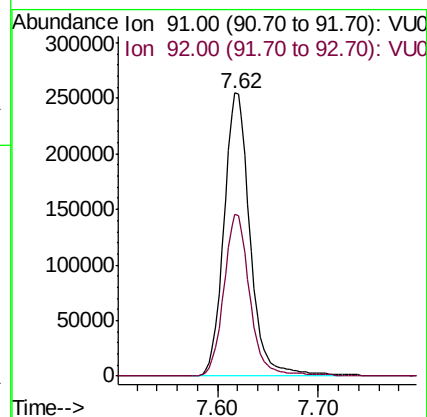
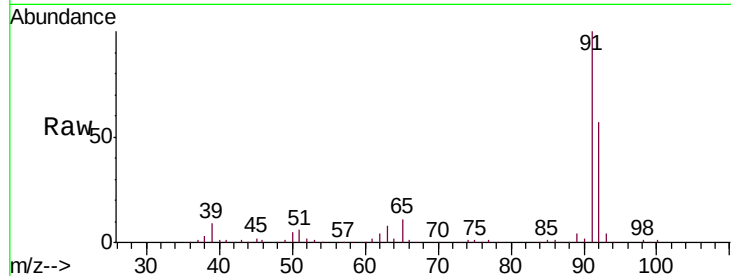
VSTD05056

Tgt Ion: 91 Resp: 462193

Ion Ratio Lower Upper

91 100

92 57.2 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 50.354 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033412.D

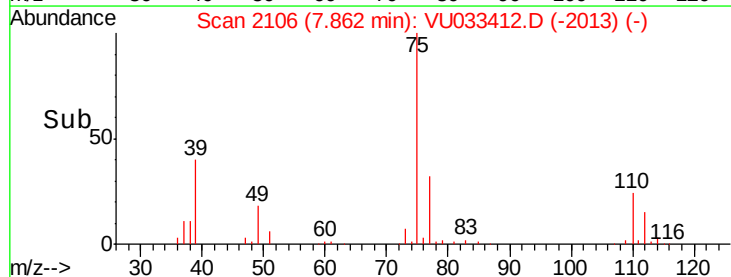
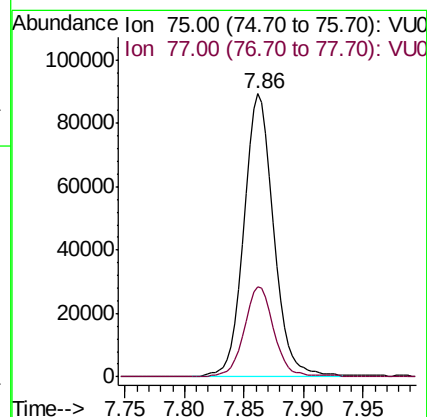
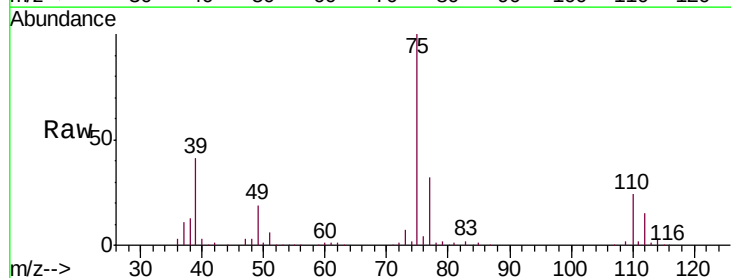
Acq: 25 Jul 2019 16:22

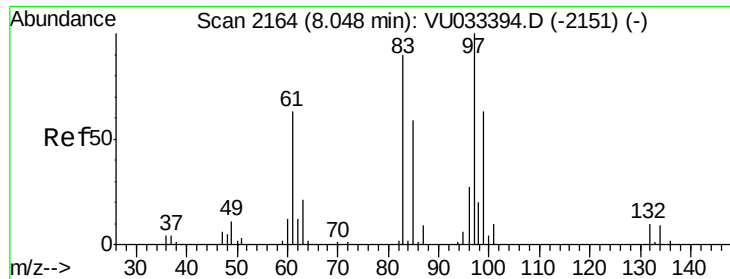
Tgt Ion: 75 Resp: 155489

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6

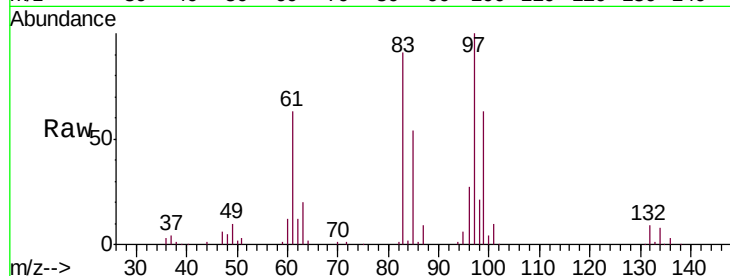




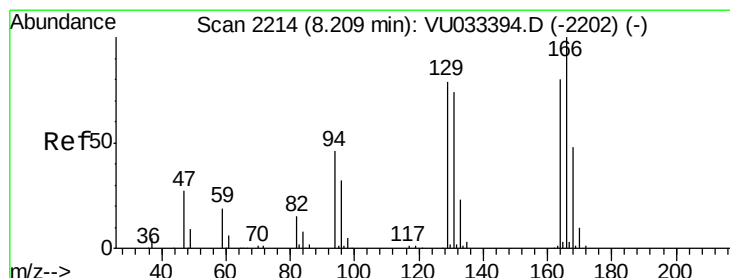
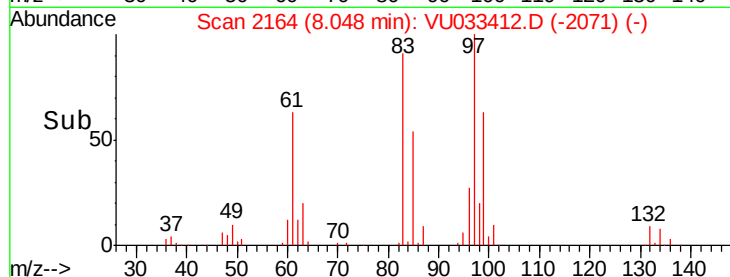
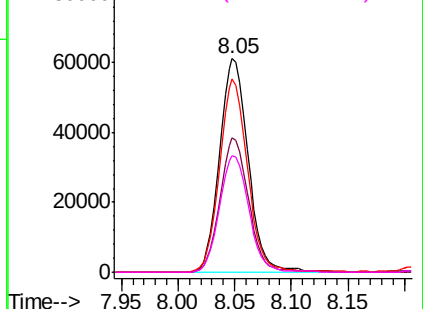
#45
 1,1,2-Trichloroethane
 Concen: 51.290 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:	97	Resp:	108330
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.0	79.8
83	90.6	61.5	114.3
85	54.4	38.8	72.0

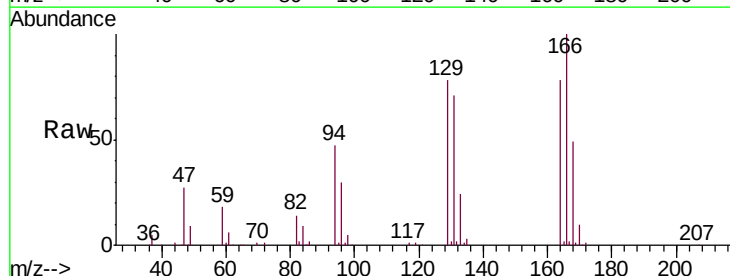


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

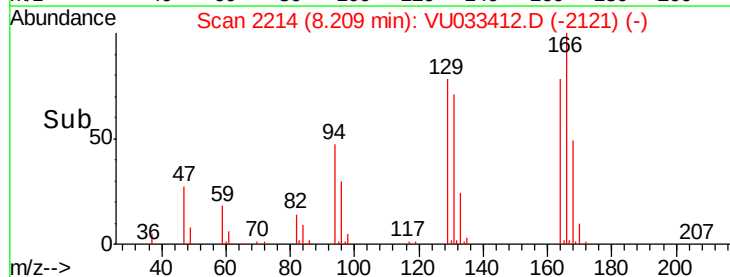
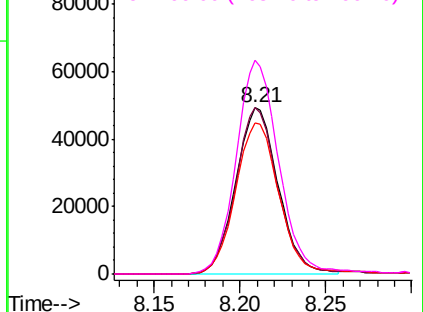


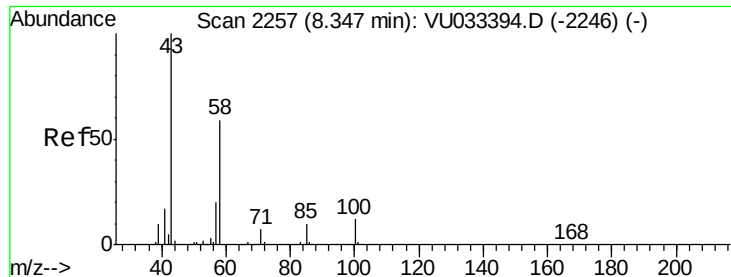
#46
 Tetrachloroethene
 Concen: 50.897 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion:	164	Resp:	84853
Ion	Ratio	Lower	Upper
164	100		
129	100.5	69.6	129.2
131	91.0	65.7	122.1
166	128.5	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

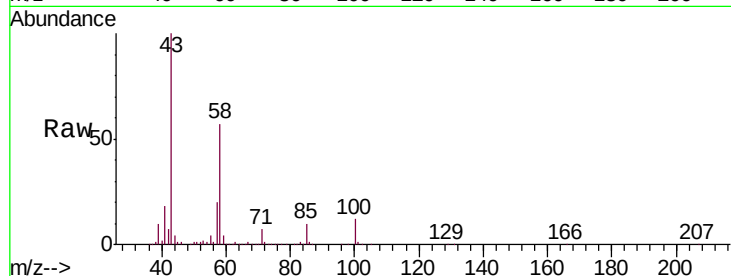




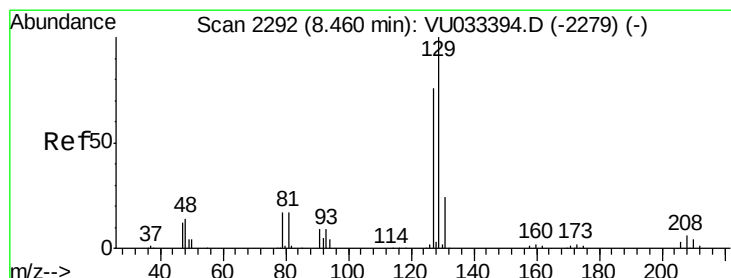
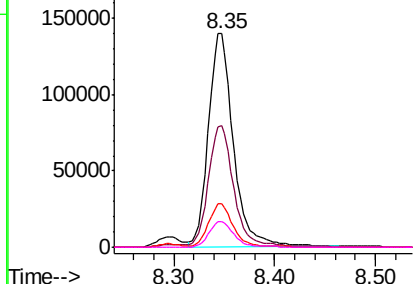
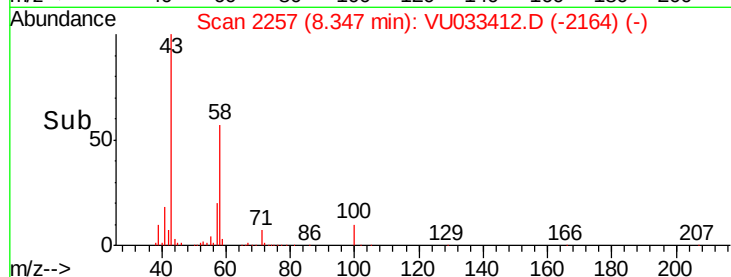
#48
2-Hexanone
Concen: 98.134 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion: 43 Resp: 239510
Ion Ratio Lower Upper
43 100
58 57.7 46.1 69.1
57 19.8 15.8 23.8
100 12.2 9.4 14.2

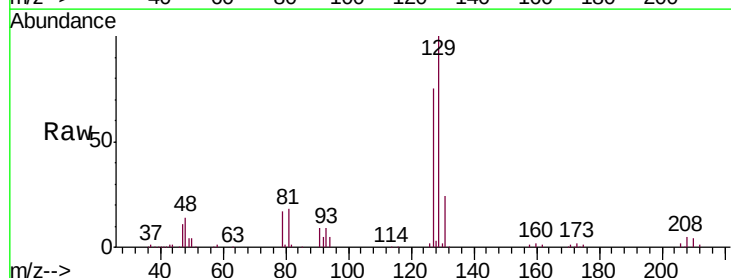


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

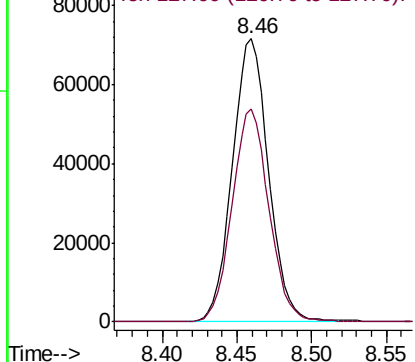
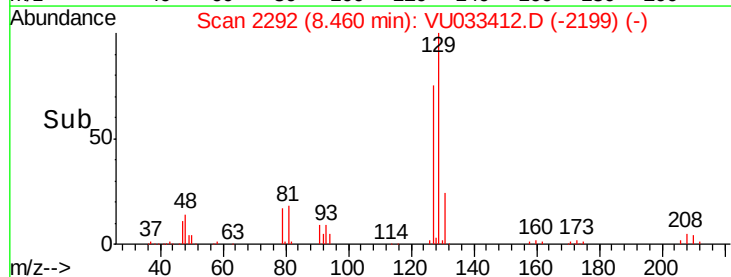


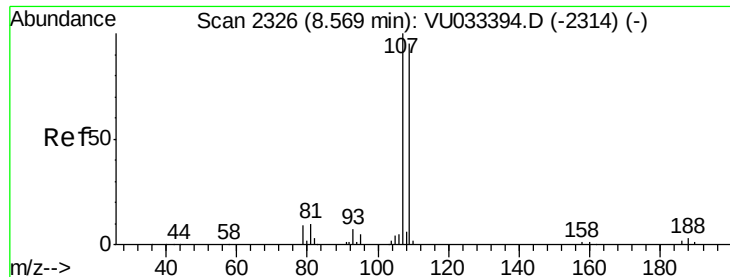
#49
Dibromochloromethane
Concen: 51.201 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Tgt Ion: 129 Resp: 120633
Ion Ratio Lower Upper
129 100
127 75.1 54.3 100.9



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

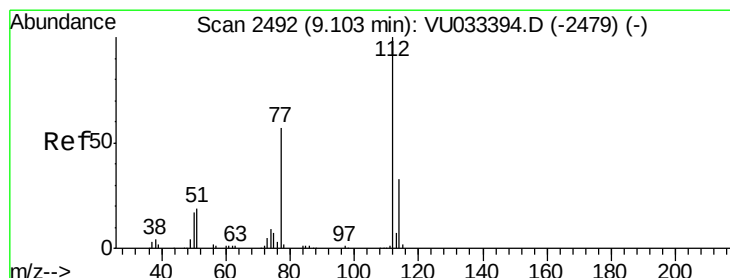
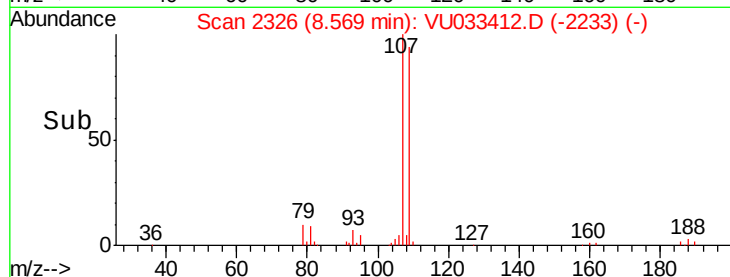
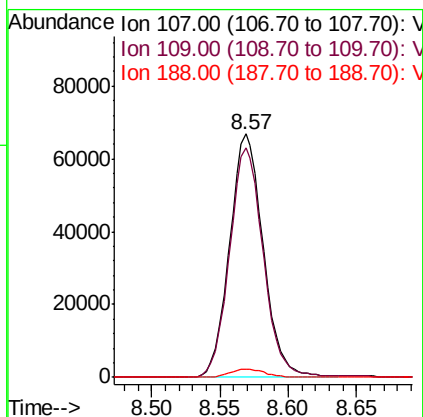
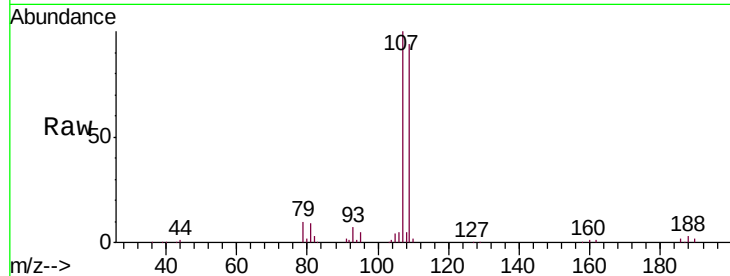




#50
1,2-Dibromoethane
Concen: 49.657 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

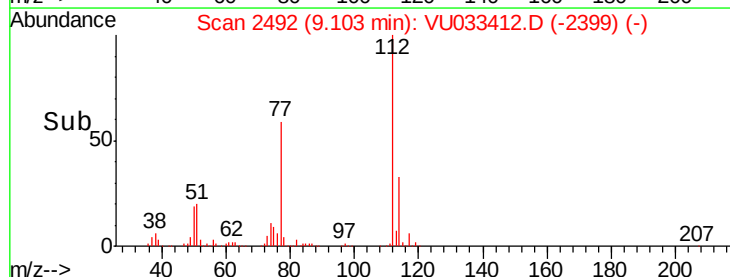
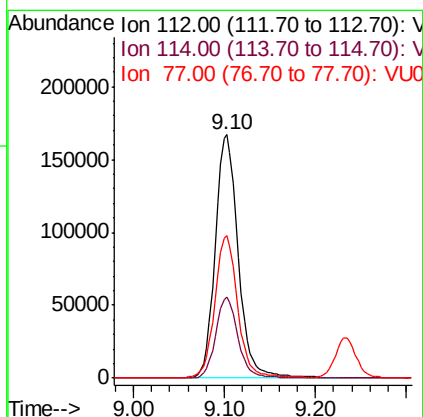
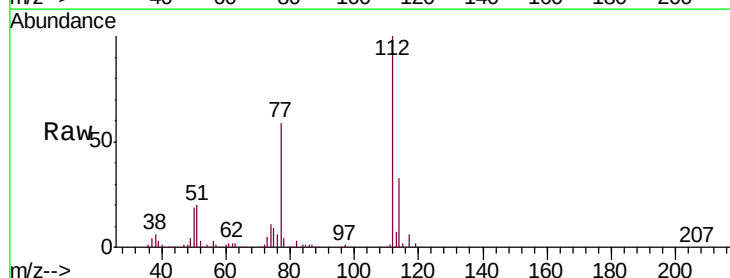
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

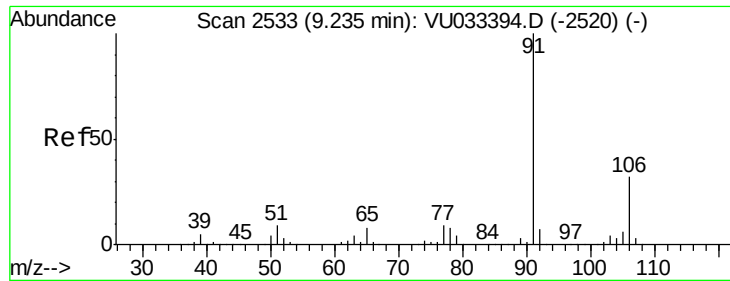
Tgt Ion:107 Resp: 114354
Ion Ratio Lower Upper
107 100
109 94.0 64.2 119.2
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 50.694 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033412.D
Acq: 25 Jul 2019 16:22

Tgt Ion:112 Resp: 293756
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.3
77 58.6 47.2 70.8





#52

Ethylbenzene

Concen: 52.159 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

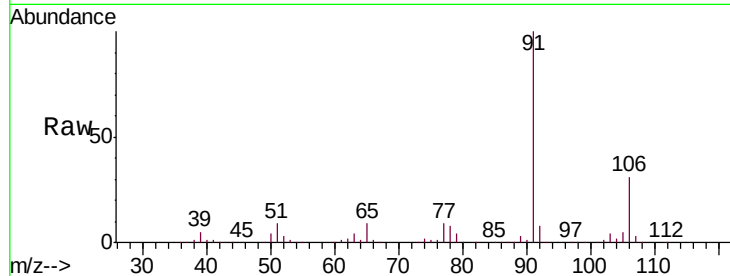
VSTD05056

Tgt Ion: 91 Resp: 495502

Ion Ratio Lower Upper

91 100

106 30.8 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VU033394.D (-2520) (-)

Ion 106.00 (105.70 to 106.70): VU033394.D (-2520) (-)

9.23

300000

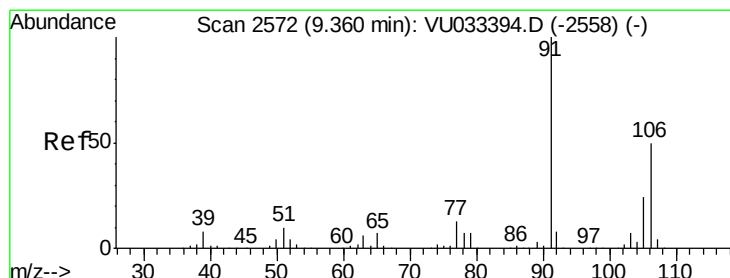
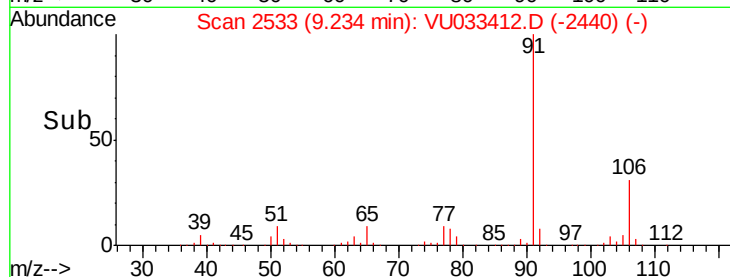
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 53.377 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033412.D

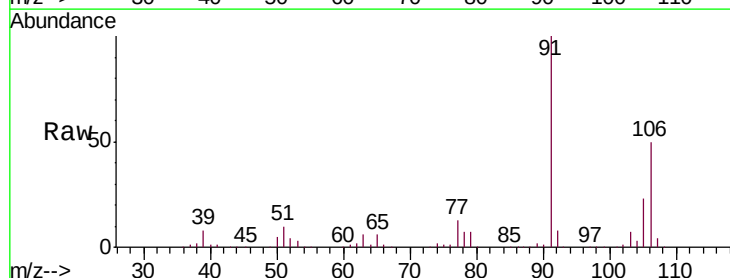
Acq: 25 Jul 2019 16:22

Tgt Ion: 106 Resp: 192067

Ion Ratio Lower Upper

106 100

91 200.4 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VU033394.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033394.D (-2558) (-)

9.36

250000

200000

150000

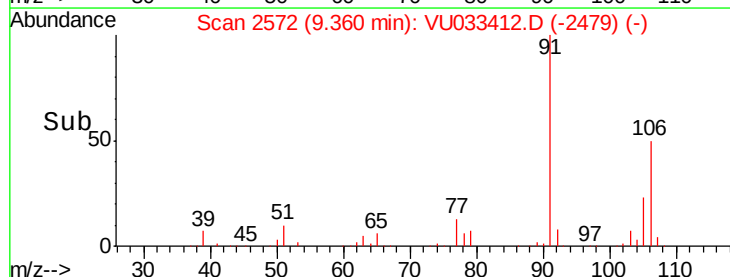
100000

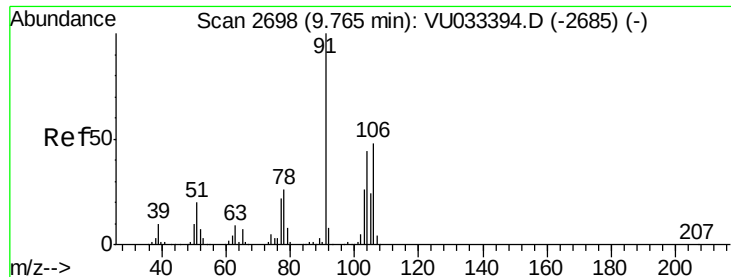
50000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 52.930 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

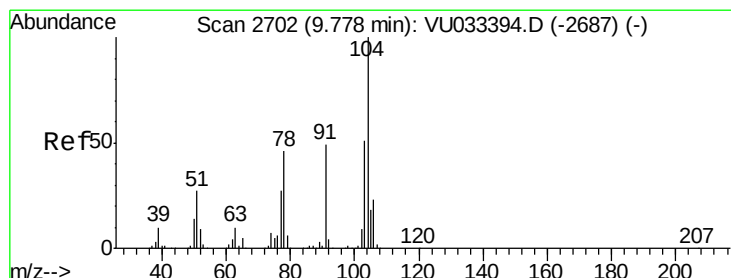
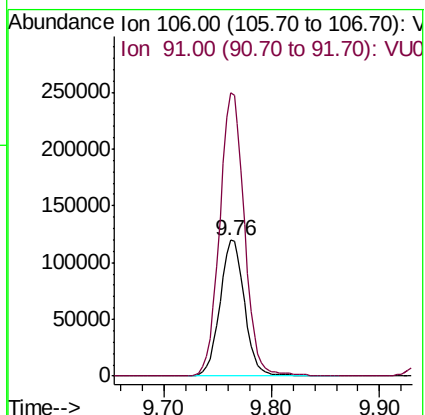
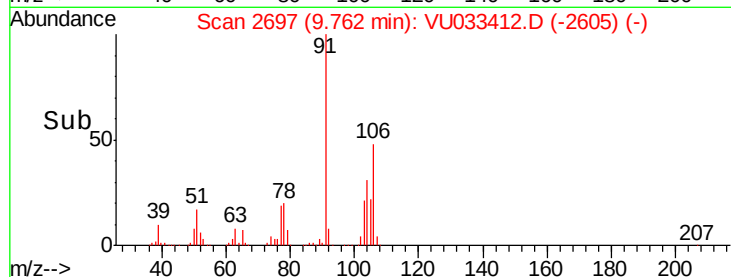
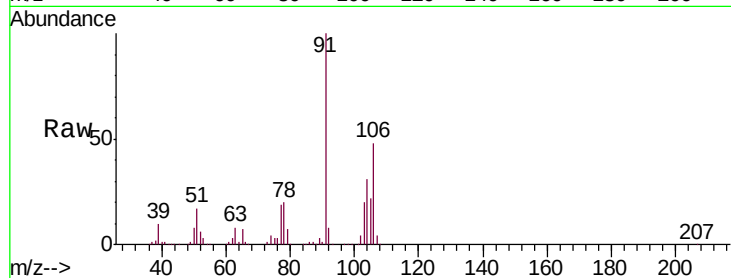
VSTD05056

Tgt Ion:106 Resp: 189116

Ion Ratio Lower Upper

106 100

91 208.6 150.5 279.5



#55

Styrene

Concen: 52.494 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033412.D

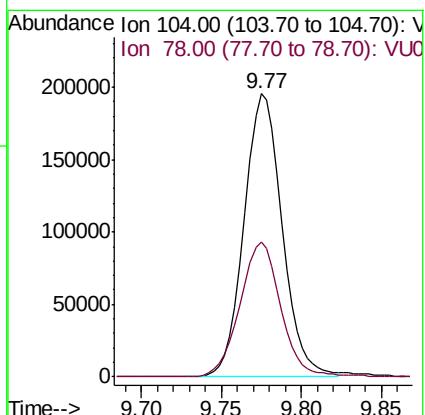
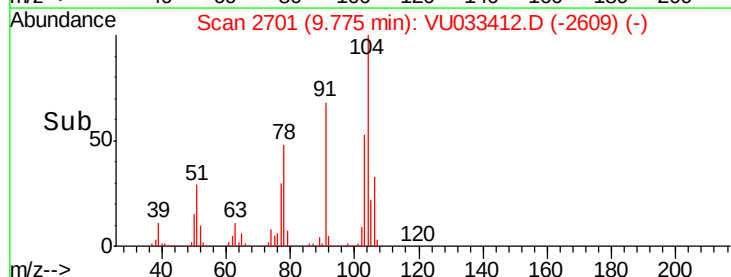
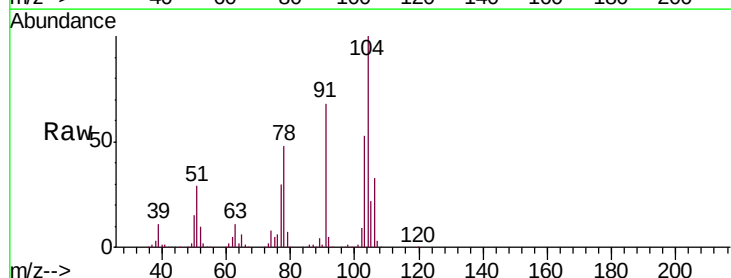
Acq: 25 Jul 2019 16:22

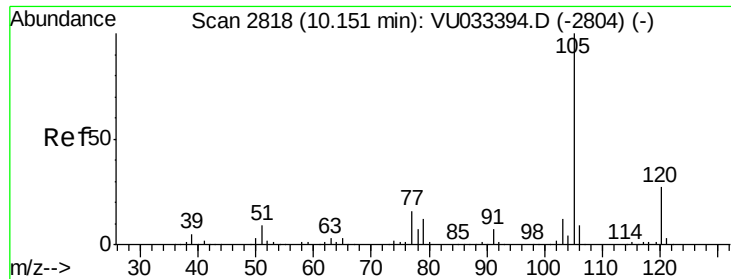
Tgt Ion:104 Resp: 317985

Ion Ratio Lower Upper

104 100

78 47.8 31.8 59.0





#56

Isopropylbenzene

Concen: 52.679 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

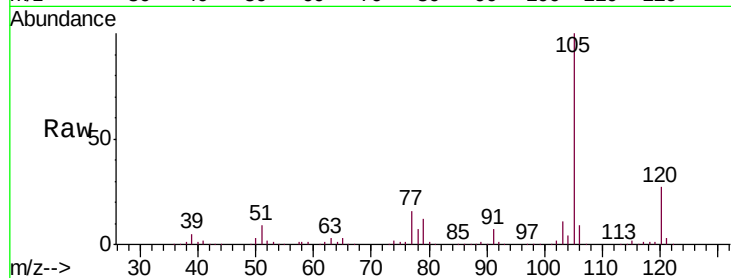
Tgt Ion: 105 Resp: 484333

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

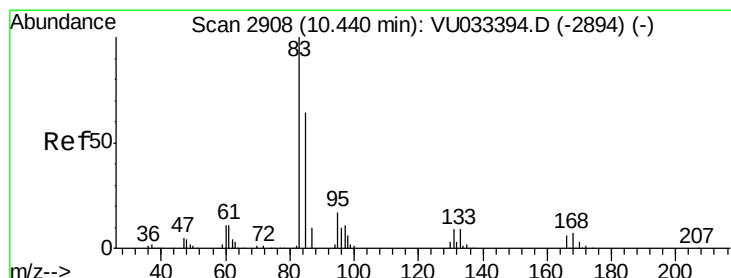
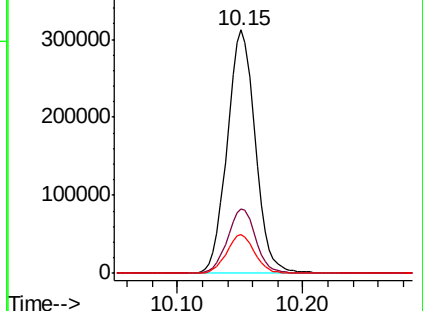
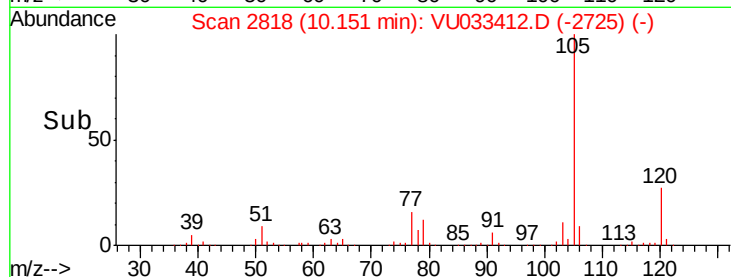
77 15.8 12.9 19.3



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: 50.089 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

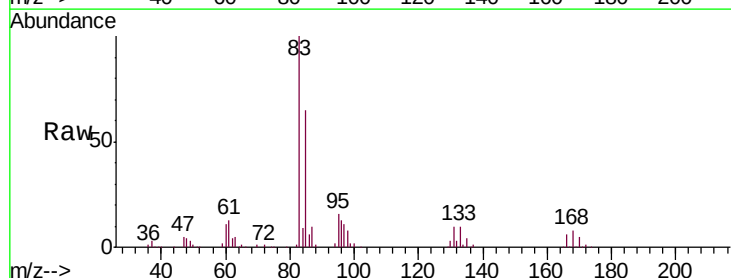
Tgt Ion: 83 Resp: 185829

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

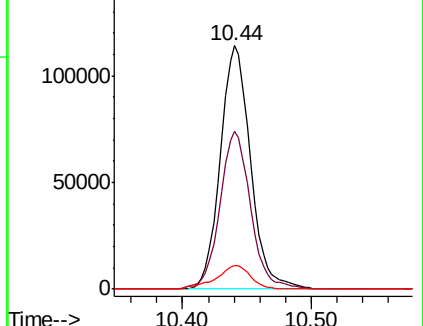
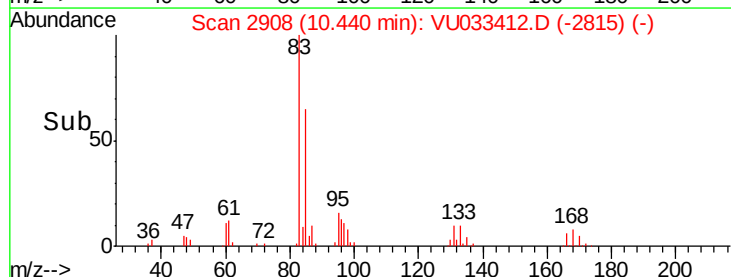
131 9.8 7.6 11.4

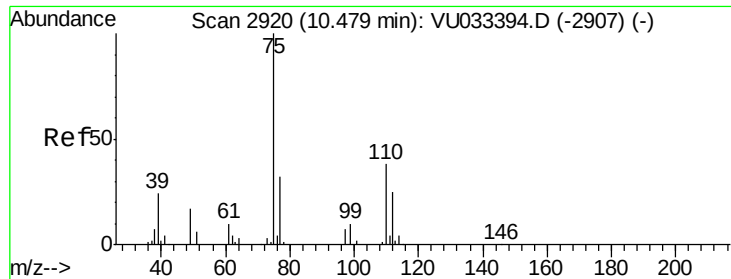


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

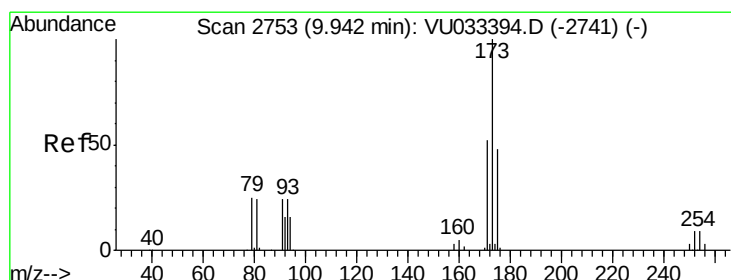
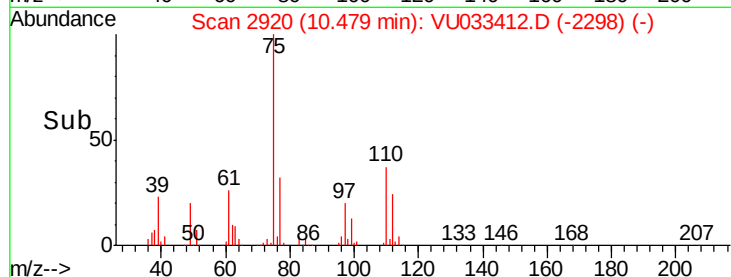
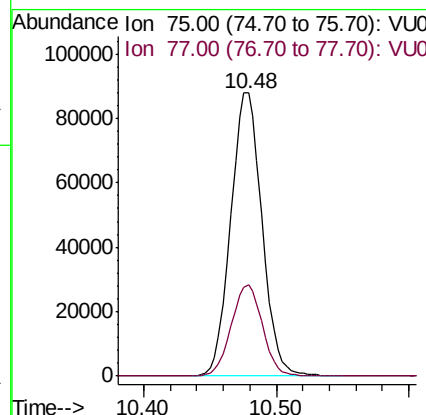
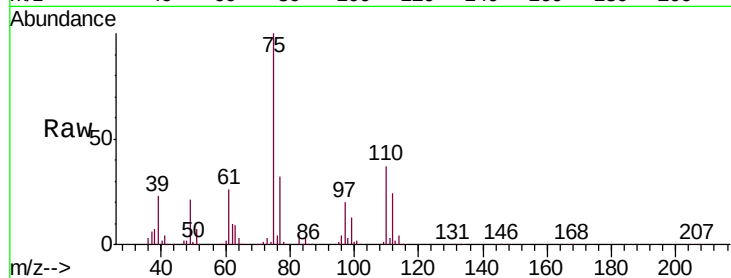




#59
 1,2,3-Trichloropropane
 Concen: 49.564 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

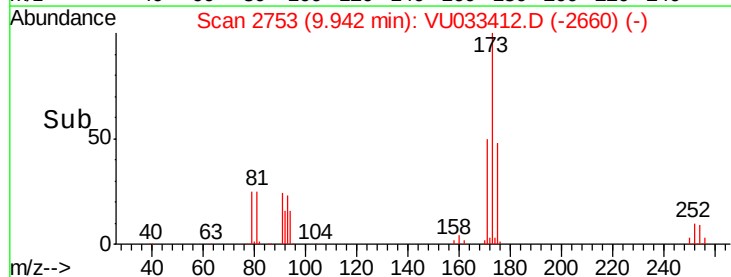
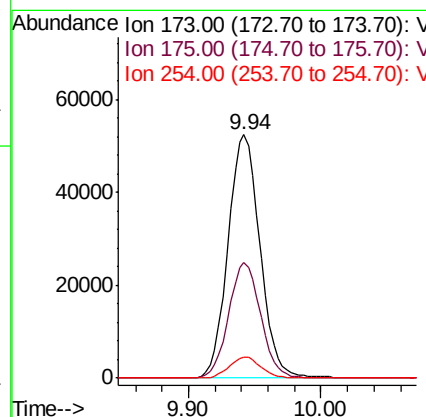
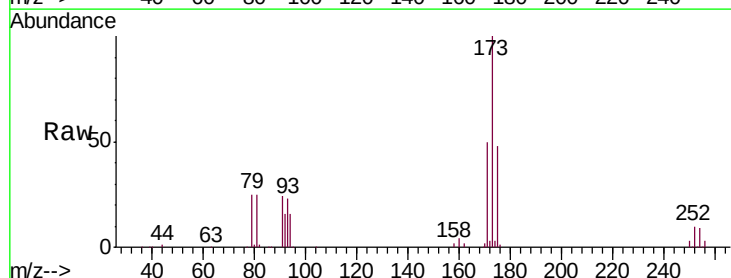
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

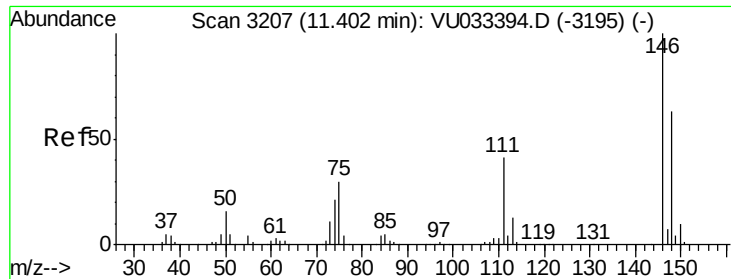
Tgt Ion: 75 Resp: 144098
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#61
 Bromoform
 Concen: 50.413 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion: 173 Resp: 87923
 Ion Ratio Lower Upper
 173 100
 175 47.6 40.0 60.0
 254 8.6 7.3 10.9

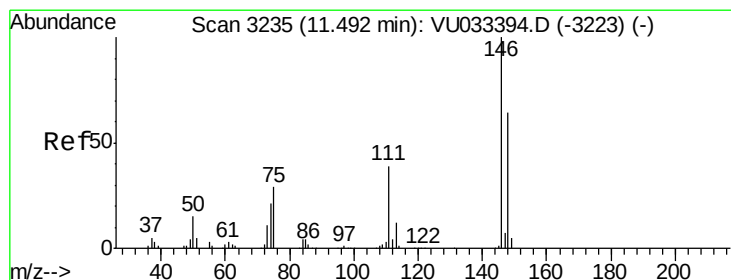
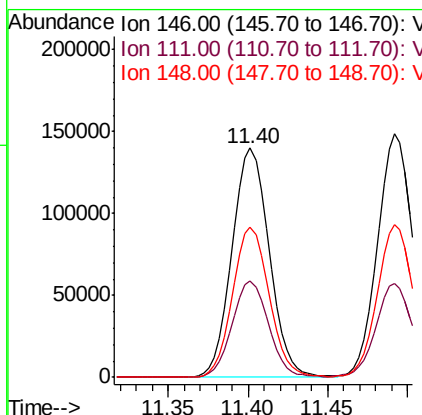
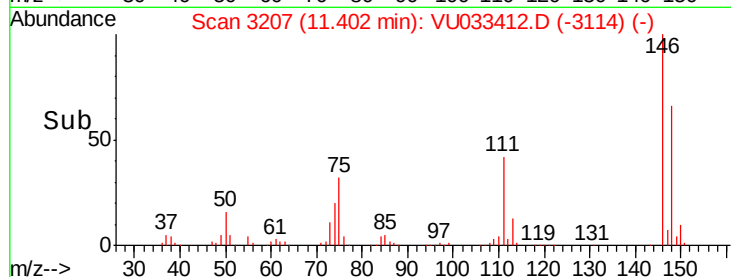
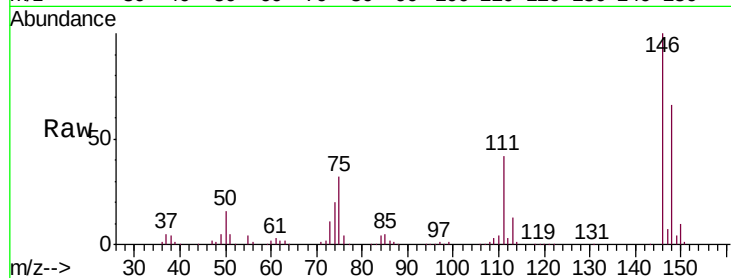




#62
 1,3-Dichlorobenzene
 Concen: 50.578 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

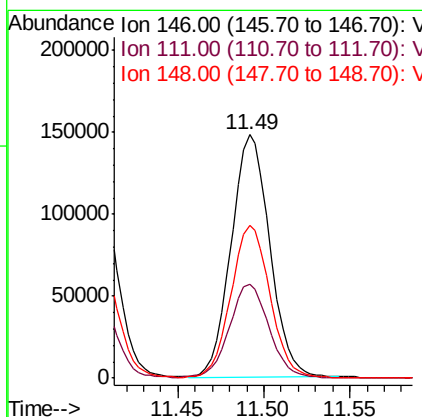
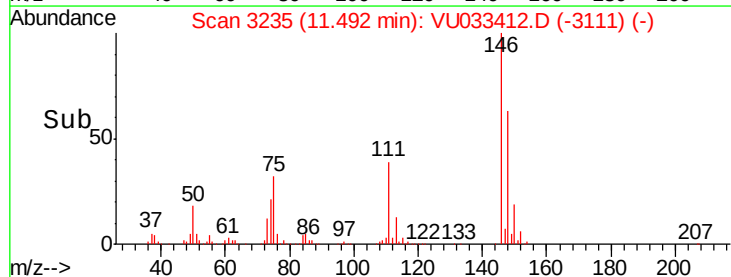
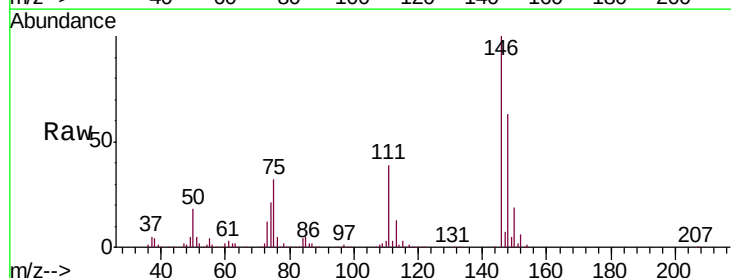
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

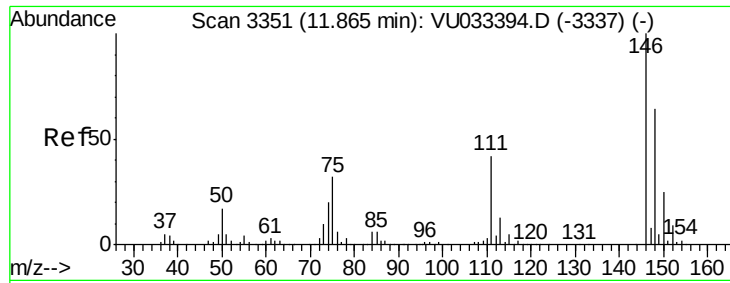
Tgt Ion:146 Resp: 222335
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.0 52.0
 148 65.6 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 50.141 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion:146 Resp: 230459
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 62.7 44.6 82.8

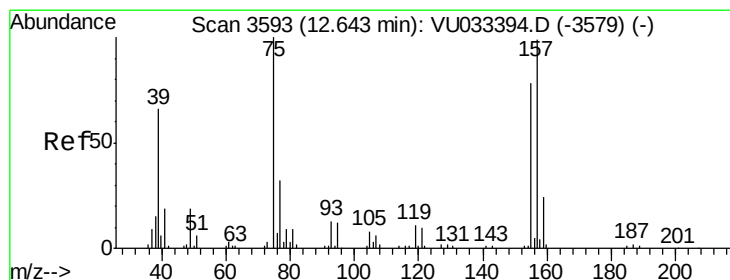
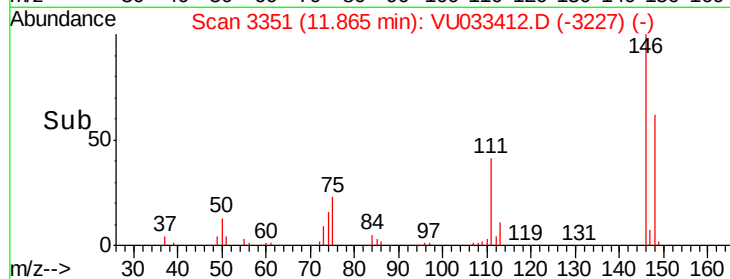
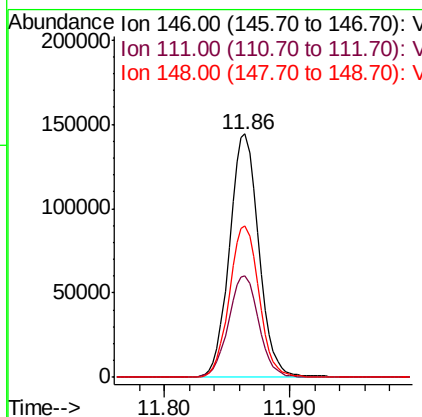
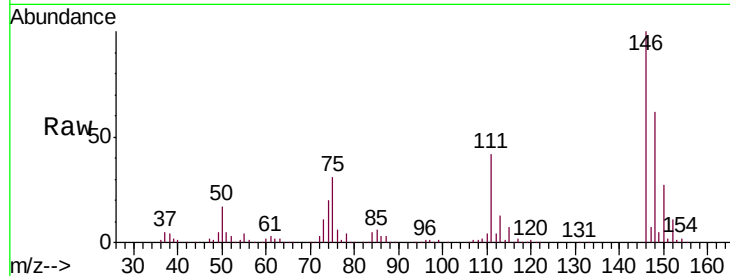




#65
 1,2-Dichlorobenzene
 Concen: 51.929 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

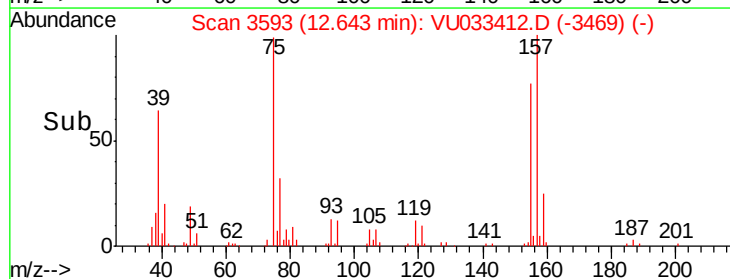
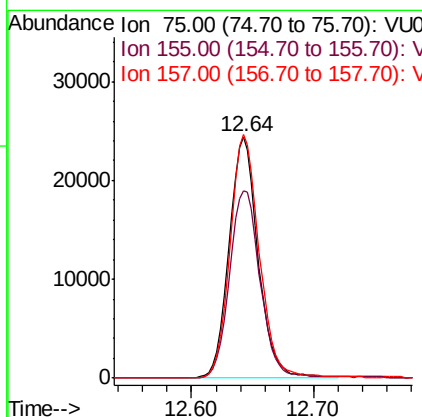
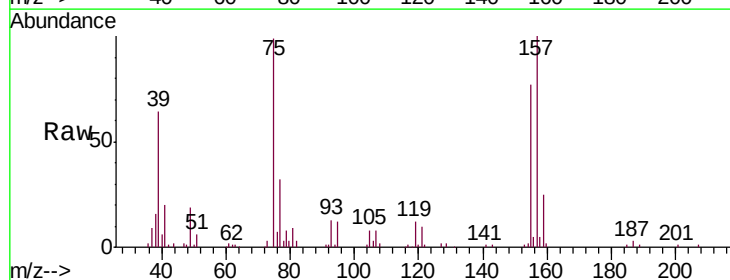
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

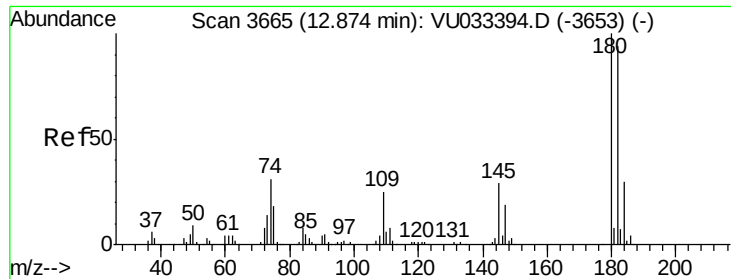
Tgt Ion:146 Resp: 234109
 Ion Ratio Lower Upper
 146 100
 111 41.8 34.3 51.5
 148 62.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.154 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion: 75 Resp: 40574
 Ion Ratio Lower Upper
 75 100
 155 77.7 63.5 95.3
 157 100.9 84.6 127.0

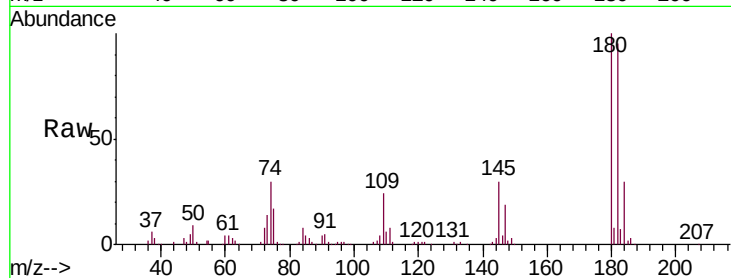




#67
 1,3,5-Trichlorobenzene
 Concen: 55.205 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.5	113.3
184	30.3	24.2	36.2
145	30.1	24.1	36.1



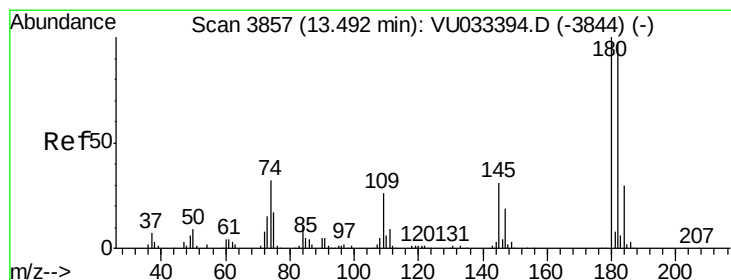
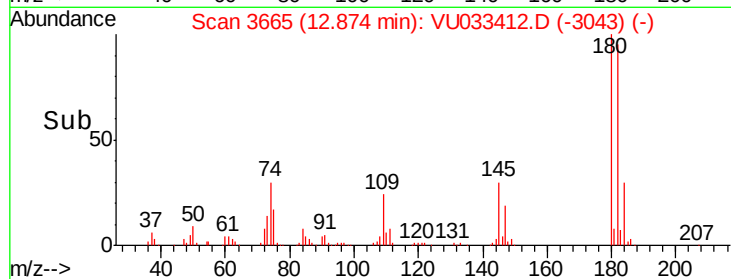
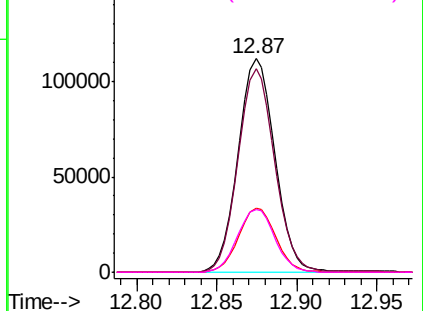
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

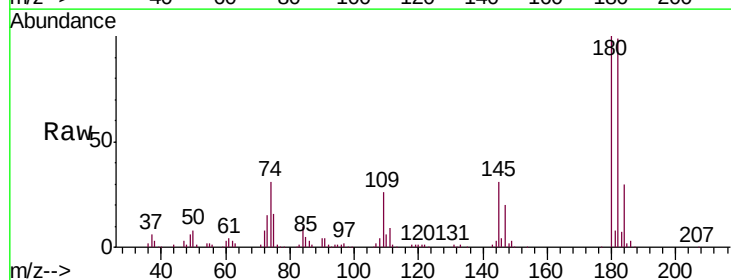
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.102 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033412.D
 Acq: 25 Jul 2019 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	30.3	24.6	36.8

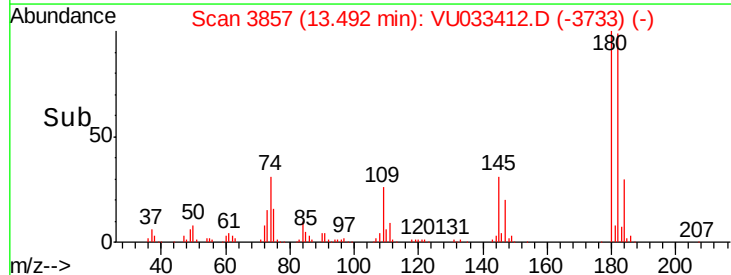
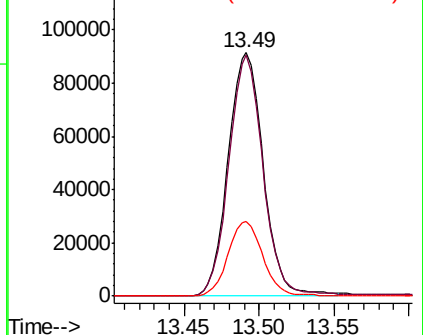


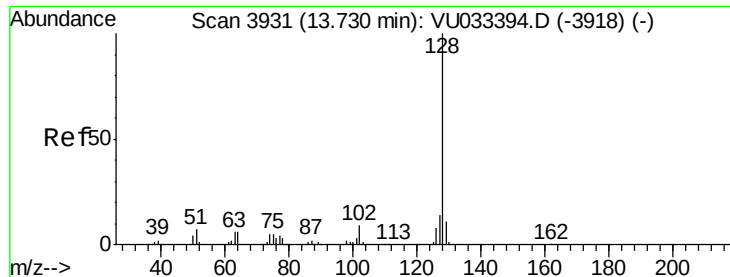
Abundance

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: 53.243 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

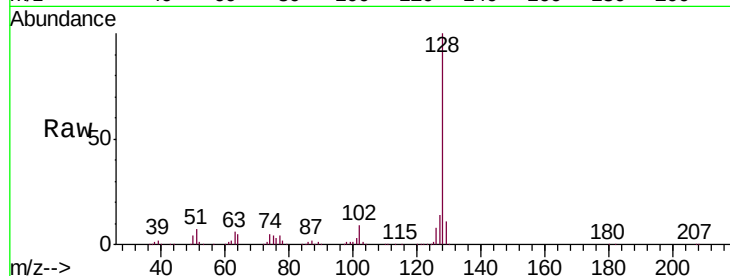
Tgt Ion:128 Resp: 473718

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

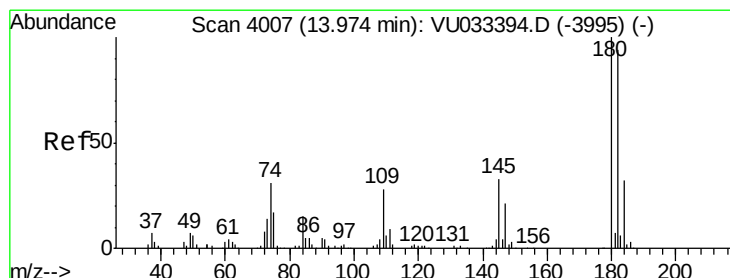
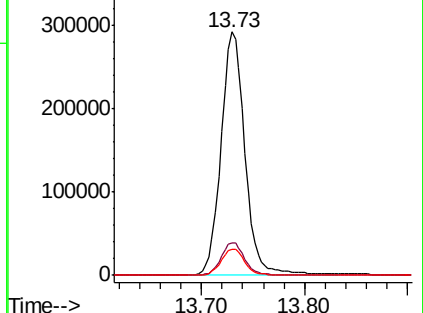
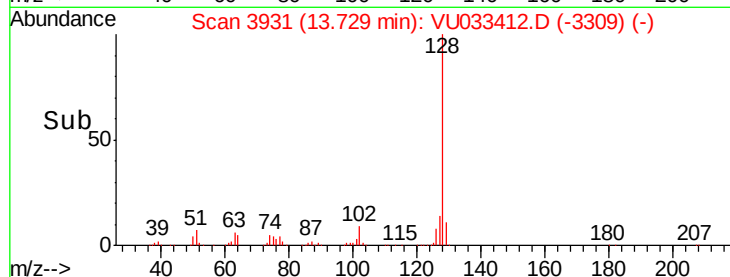
129 10.8 8.7 13.1



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: 52.734 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033412.D

Acq: 25 Jul 2019 16:22

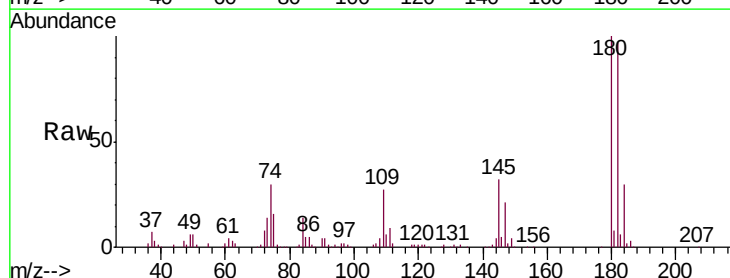
Tgt Ion:180 Resp: 158865

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.2

145 31.6 26.2 39.2



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

