

Data File : VU033440.D
Acq On : 26 Jul 2019 09:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Jul 27 01:56:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 08:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	276881	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	288494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	145470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100276	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.67	69	95049	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.16%
11) 1,1-Dichloroethene-d2	2.26	63	205062	53.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.88%
21) 2-Butanone-d5	4.15	46	153724	115.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.75%
24) Chloroform-d	4.62	84	193610	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.24%
26) 1,2-Dichloroethane-d4	5.28	65	123477	54.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.62%
32) Benzene-d6	5.32	84	371822	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.31	67	120622	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.42%
41) Toluene-d8	7.55	98	348624	52.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.48%
43) trans-1,3-Dichloropropene-	7.83	79	57612	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
47) 2-Hexanone-d5	8.29	63	108775	106.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.43%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	191300	55.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	140398	54.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	144217	52.560	ug/L	99
3) Chloromethane	1.32	50	136199	50.385	ug/L	99
5) Vinyl chloride	1.40	62	158992	50.886	ug/L	99
6) Bromomethane	1.61	94	103620	53.198	ug/L	99
8) Chloroethane	1.69	64	99438	52.617	ug/L	97
9) Trichlorofluoromethane	1.87	101	221329	53.871	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106868	56.576	ug/L	99
12) 1,1-Dichloroethene	2.27	96	100187	54.211	ug/L	97
13) Acetone	2.31	43	175602	105.828	ug/L	99
14) Carbon disulfide	2.46	76	279822	49.507	ug/L	99
15) Methyl Acetate	2.60	43	113724	52.483	ug/L	98
16) Methylene chloride	2.68	84	114766	54.390	ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	99169	51.920	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	309751	52.539	ug/L	99
19) 1,1-Dichloroethane	3.42	63	198279	54.004	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	114689	53.234	ug/L	99
22) 2-Butanone	4.23	43	195567	106.095	ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	61341	55.602	ug/L	98
25) Chloroform	4.65	83	210338	53.866	ug/L	99
27) 1,2-Dichloroethane	5.38	62	164702	54.470	ug/L	99
29) Cyclohexane	4.97	56	157166	49.996	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	174093	51.725	ug/L	100
31) Carbon tetrachloride	5.11	117	154717	52.528	ug/L	100
33) Benzene	5.37	78	444422	52.824	ug/L	100
34) Trichloroethene	6.16	95	114771	52.162	ug/L	97
35) Methylcyclohexane	6.40	83	176142	52.259	ug/L	99
37) 1,2-Dichloropropane	6.41	63	118610	51.984	ug/L	100
38) Bromodichloromethane	6.74	83	154447	52.476	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	182231	52.091	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	320366	104.667	ug/L	99
42) Toluene	7.62	91	491194	54.153	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	163375	51.784	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	115985	53.749	ug/L	99
46) Tetrachloroethene	8.21	164	92058	54.046	ug/L	99
48) 2-Hexanone	8.34	43	271364	108.825	ug/L	99
49) Dibromochloromethane	8.46	129	127646	53.028	ug/L	99
50) 1,2-Dibromoethane	8.57	107	124110	52.750	ug/L	97
51) Chlorobenzene	9.10	112	314596	53.138	ug/L	98
52) Ethylbenzene	9.23	91	528434	54.445	ug/L	98
53) m,p-Xylene	9.36	106	207230	56.369	ug/L	100
54) o-xylene	9.76	106	197325	54.056	ug/L	98
55) Styrene	9.77	104	348596	56.326	ug/L	97
56) Isopropylbenzene	10.15	105	514319	54.753	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	203545	53.700	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	157442	53.005	ug/L	99
61) Bromoform	9.94	173	93139	52.425	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	235900	52.680	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	246433	52.634	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	251136	54.684	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	44439	50.699	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	182718	56.461	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	158334	56.014	ug/L	99
69) Naphthalene	13.73	128	511485	56.434	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	170046	55.411	ug/L	98

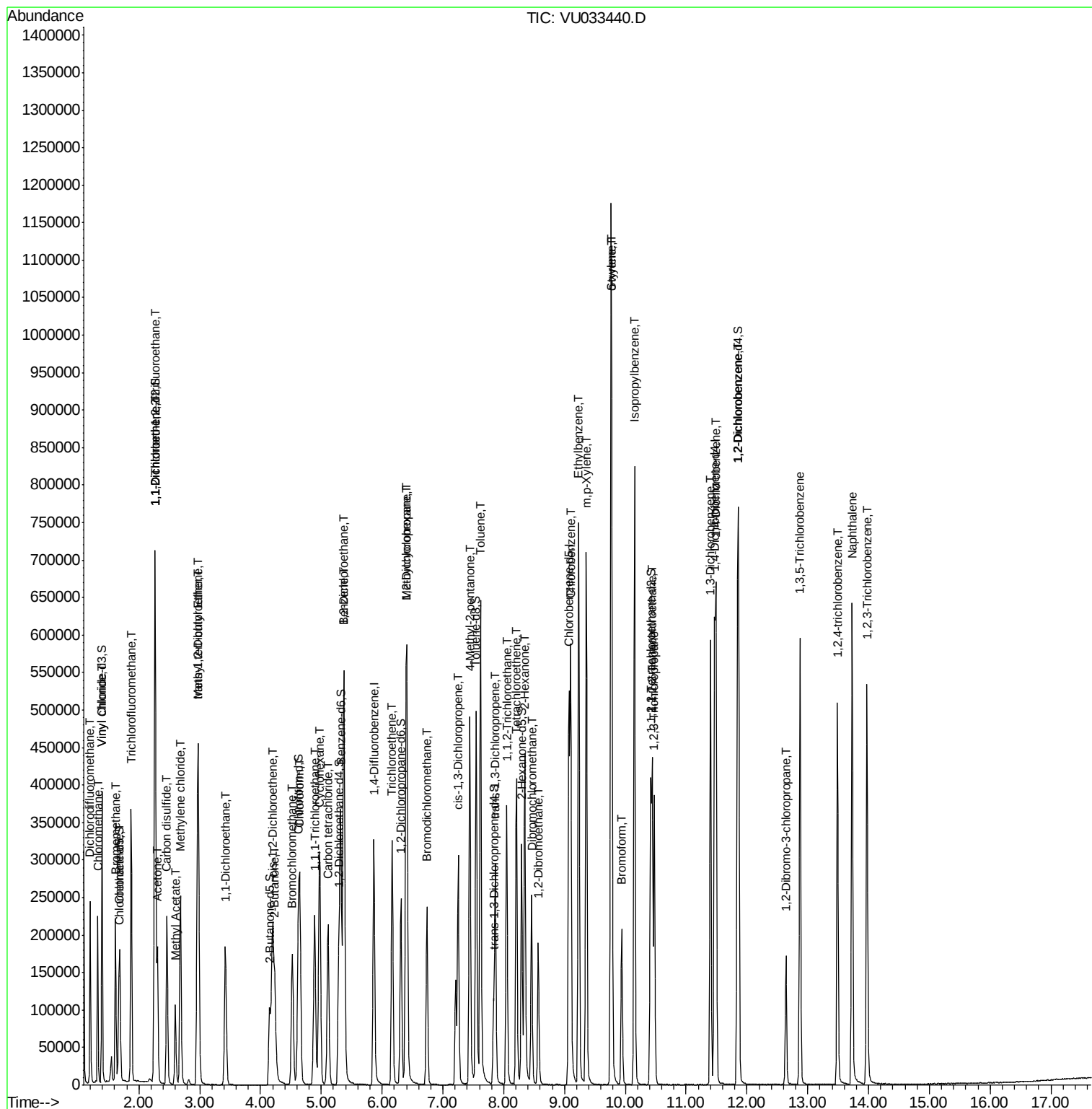
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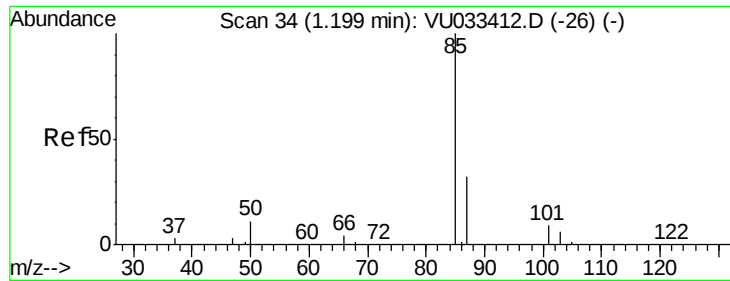
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#2

Dichlorodifluoromethane

Concen: 52.560 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

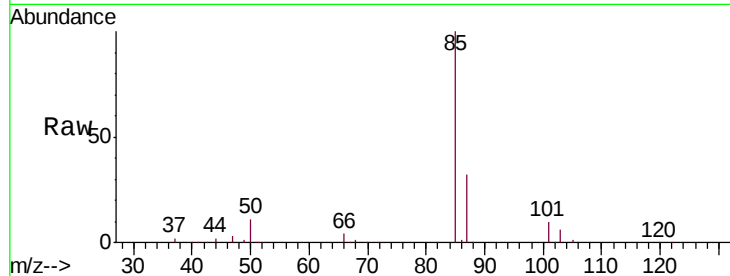
VSTD05058

Tgt Ion: 85 Resp: 144217

Ion Ratio Lower Upper

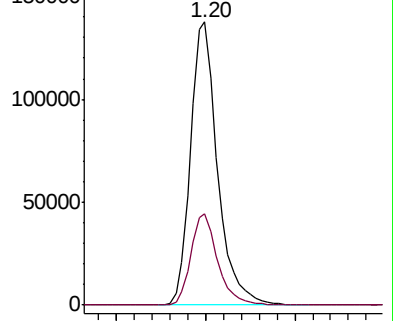
85 100

87 32.2 25.4 38.2

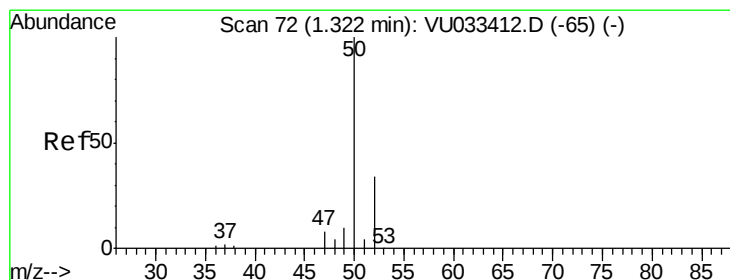
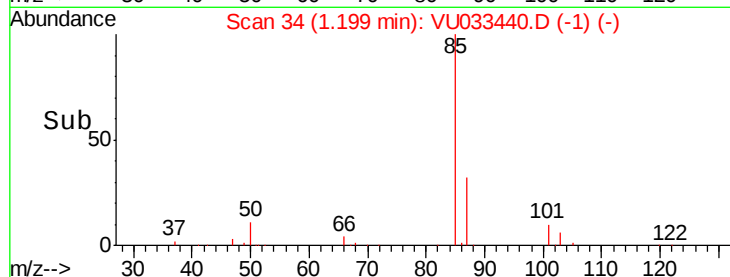


Abundance Ion 85.00 (84.70 to 85.70): VU033412.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033412.D (-26) (-)



Time-->



#3

Chloromethane

Concen: 50.385 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033440.D

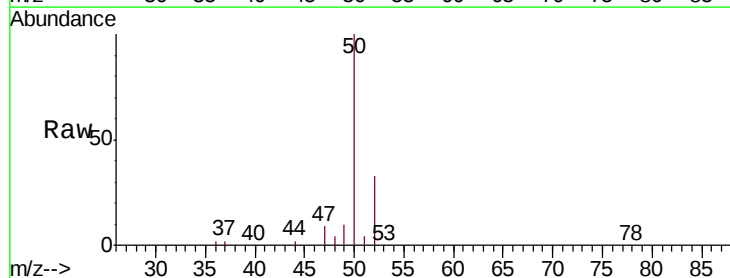
Acq: 26 Jul 2019 09:09

Tgt Ion: 50 Resp: 136199

Ion Ratio Lower Upper

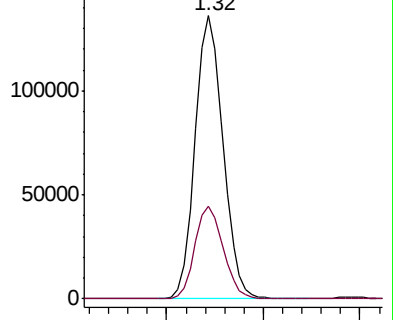
50 100

52 32.6 23.2 43.0

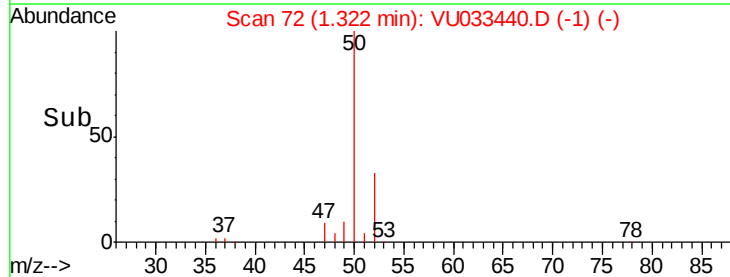


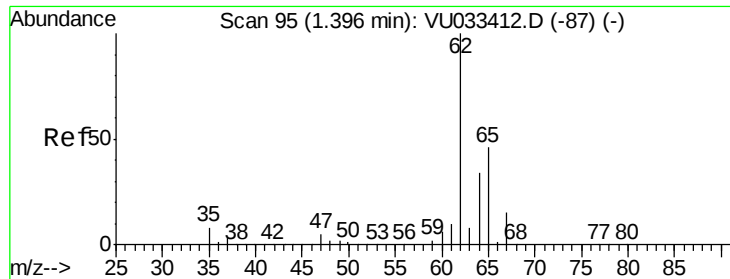
Abundance Ion 50.00 (49.70 to 50.70): VU033412.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU033412.D (-65) (-)



Time-->





#5

Vinyl chloride

Concen: 50.886 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

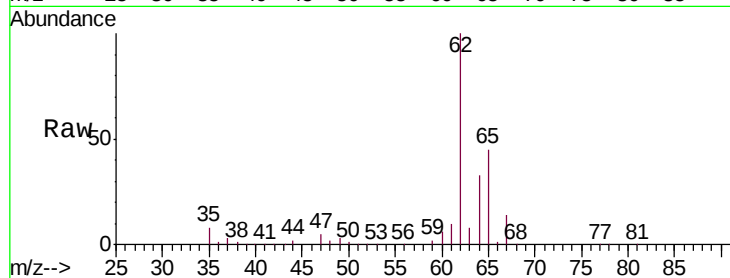
VSTD05058

Tgt Ion: 62 Resp: 158992

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033440.D (-2) (-)

Ion 64.00 (63.70 to 64.70): VU033440.D (-2) (-)

1.40

150000

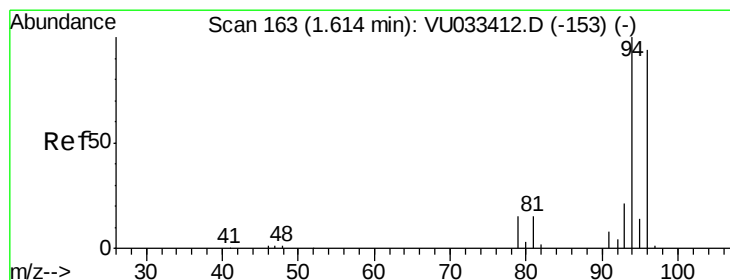
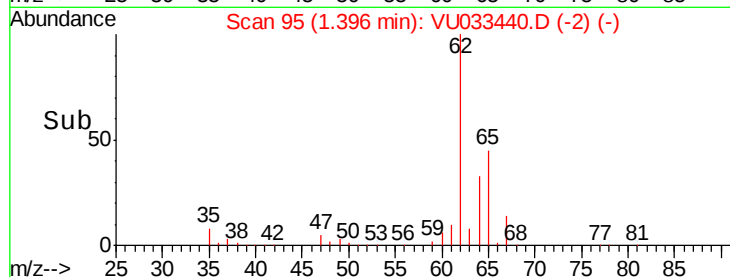
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 53.198 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU033440.D

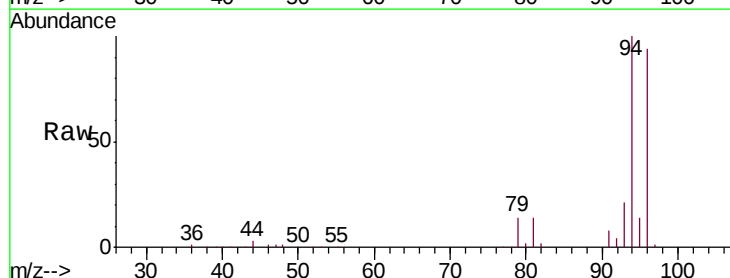
Acq: 26 Jul 2019 09:09

Tgt Ion: 94 Resp: 103620

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033440.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU033440.D (-70) (-)

1.61

80000

60000

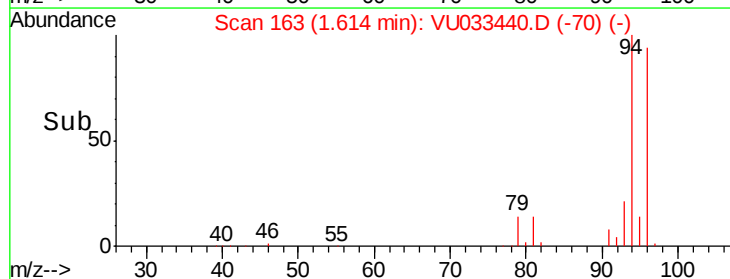
40000

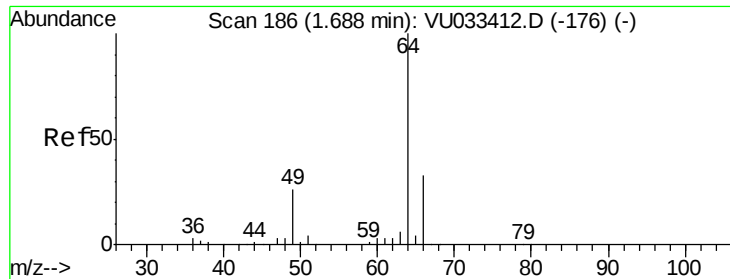
20000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 52.617 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

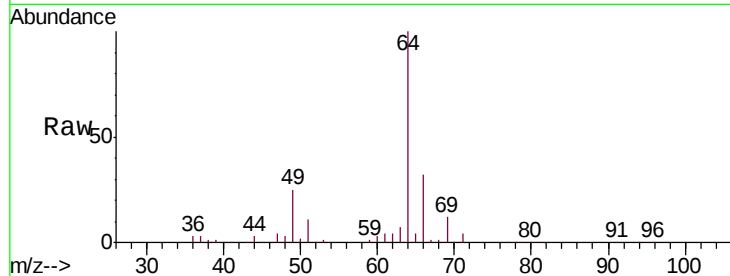
VSTD05058

Tgt Ion: 64 Resp: 99438

Ion Ratio Lower Upper

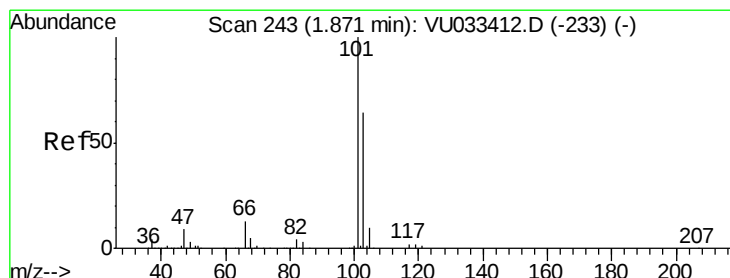
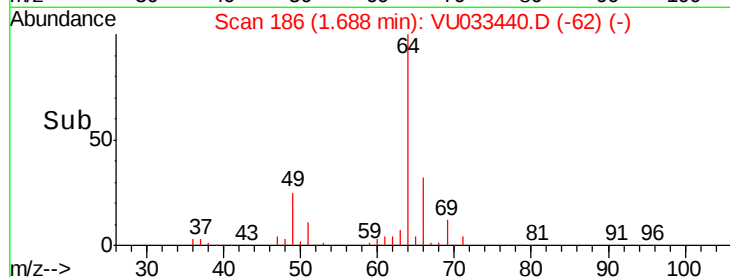
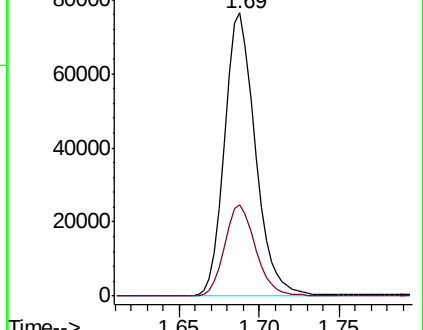
64 100

66 32.4 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU033440.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033440.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 53.871 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033440.D

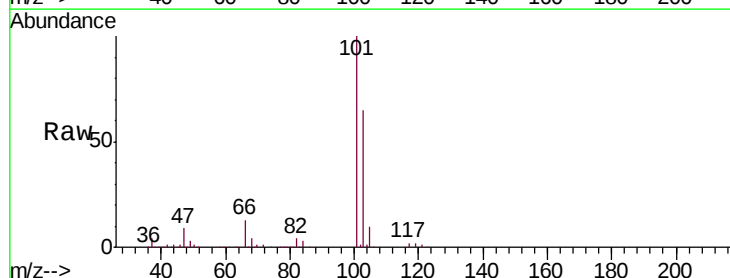
Acq: 26 Jul 2019 09:09

Tgt Ion: 101 Resp: 221329

Ion Ratio Lower Upper

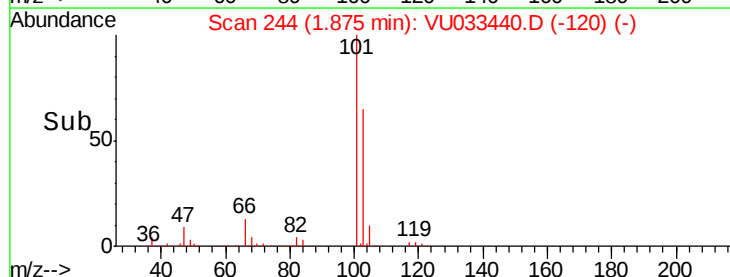
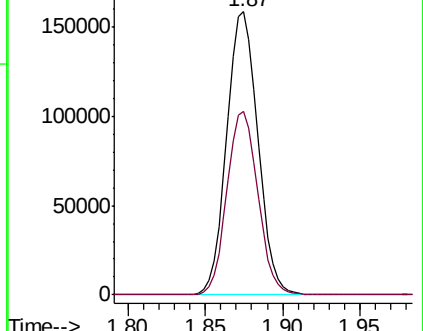
101 100

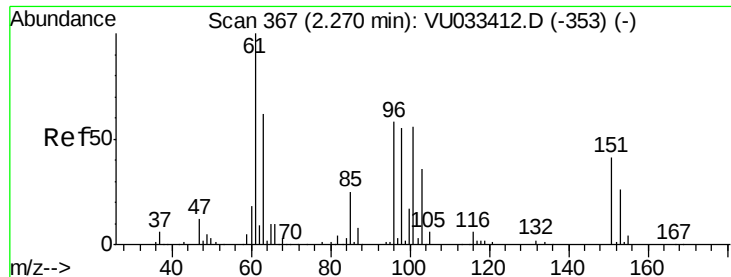
103 64.4 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033440.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033440.D (-233) (-)





#10

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

Concen: 56.576 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

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ClientSampleId :

VSTD05058

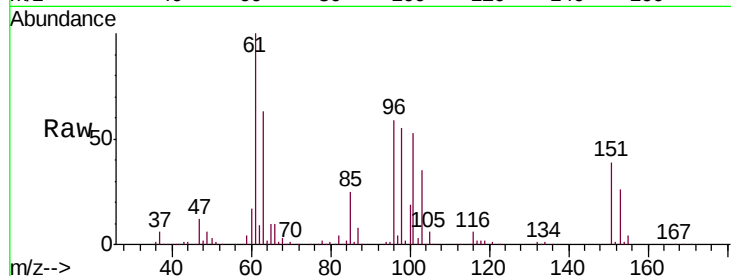
Tgt Ion: 101 Resp: 106868

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.8

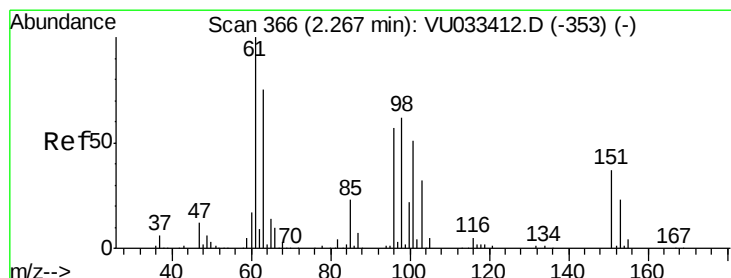
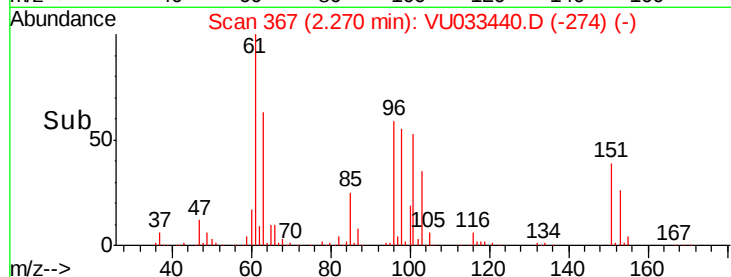
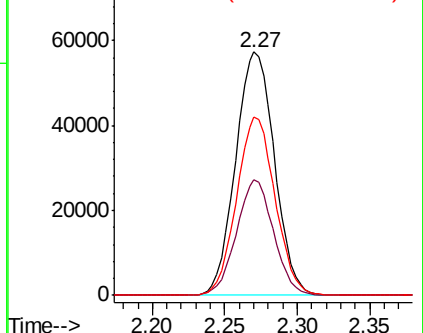
151 72.4 56.7 85.1



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: 54.211 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

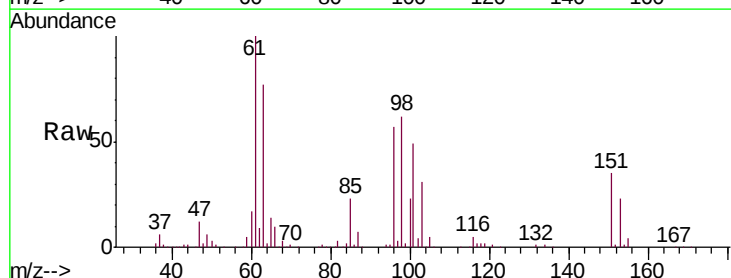
Tgt Ion: 96 Resp: 100187

Ion Ratio Lower Upper

96 100

61 175.7 126.1 234.1

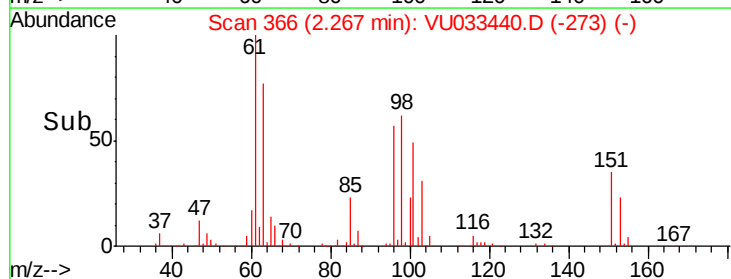
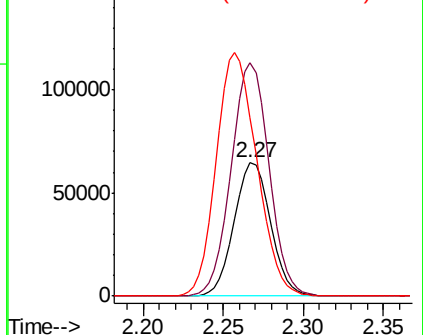
63 134.5 96.8 179.8

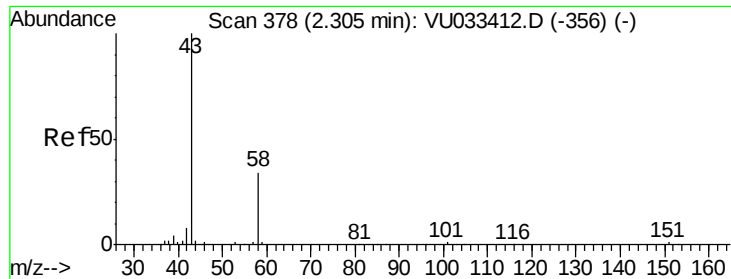


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.828 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

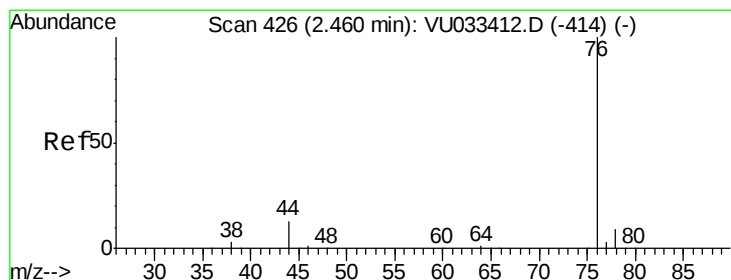
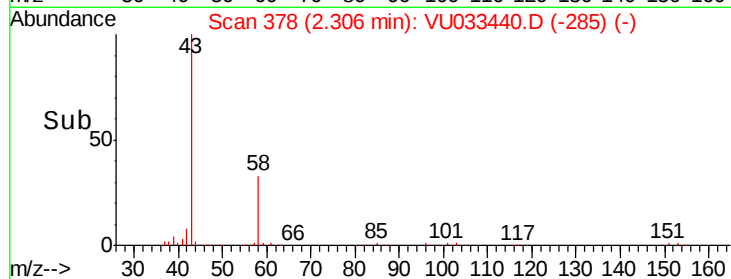
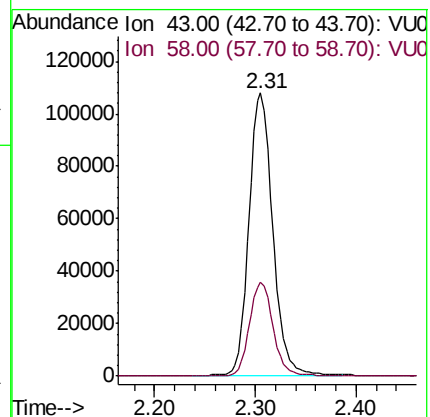
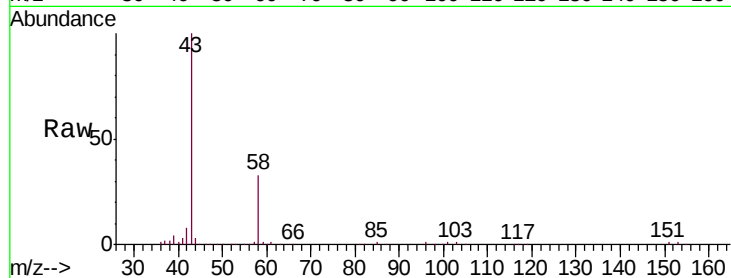
VSTD05058

Tgt Ion: 43 Resp: 175602

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4



#14

Carbon disulfide

Concen: 49.507 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033440.D

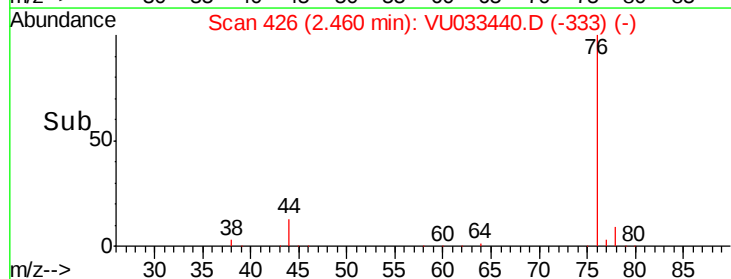
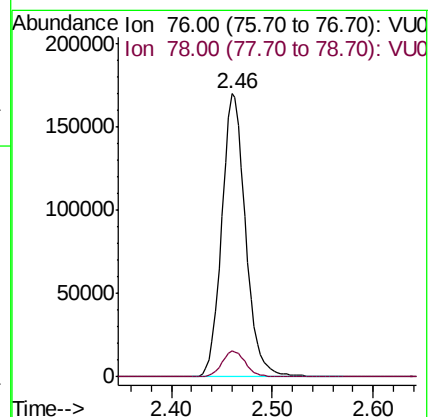
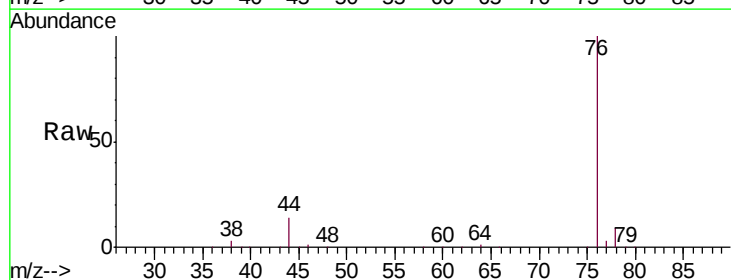
Acq: 26 Jul 2019 09:09

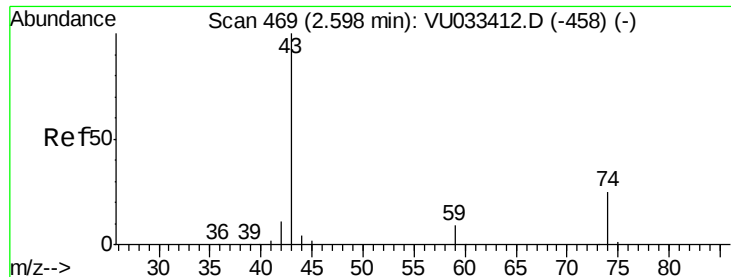
Tgt Ion: 76 Resp: 279822

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

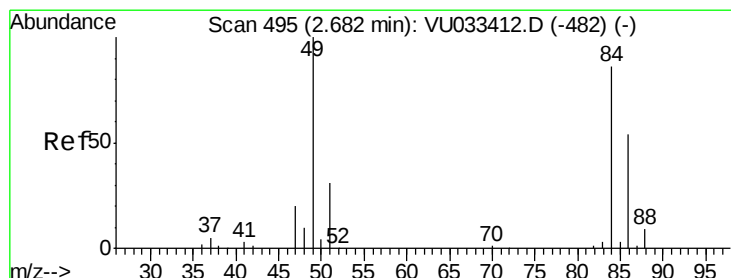
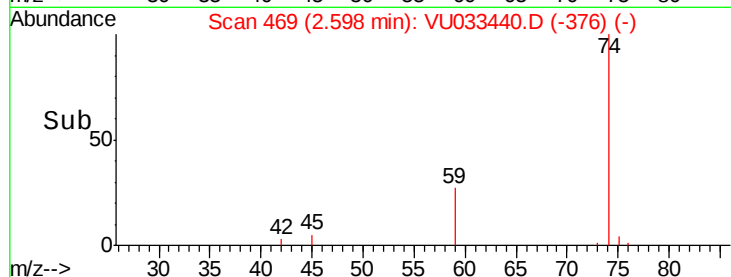
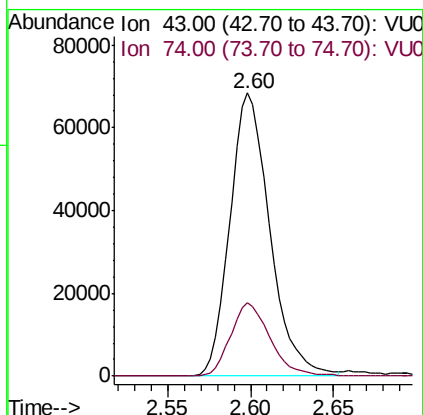
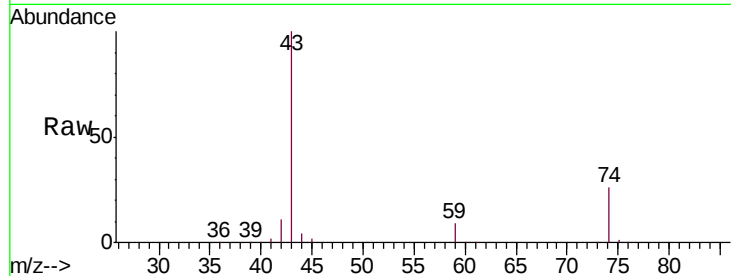




#15
Methyl Acetate
Concen: 52.483 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

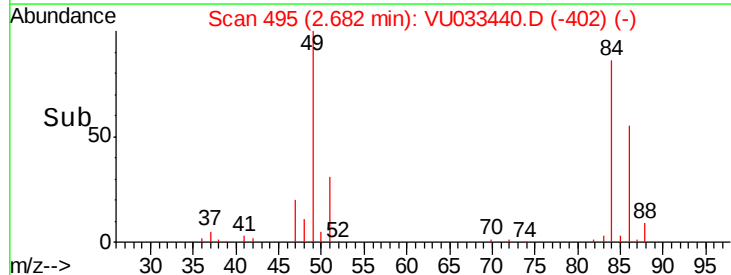
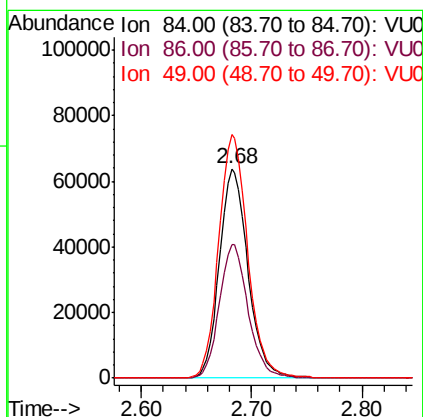
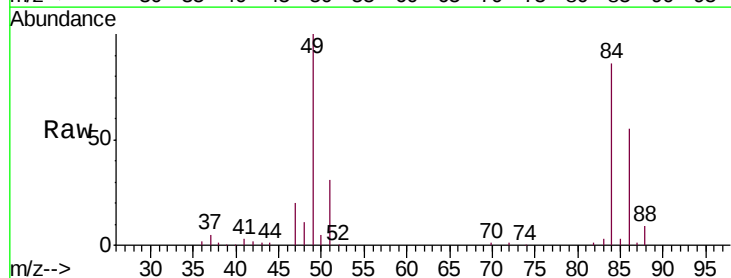
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

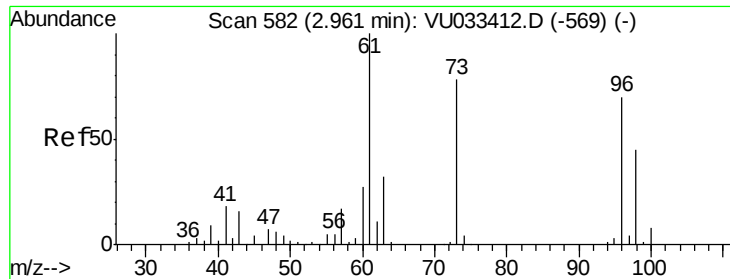
Tgt Ion: 43 Resp: 113724
Ion Ratio Lower Upper
43 100
74 25.9 19.9 29.9



#16
Methylene chloride
Concen: 54.390 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion: 84 Resp: 114766
Ion Ratio Lower Upper
84 100
86 63.9 45.7 84.9
49 116.4 87.7 162.9

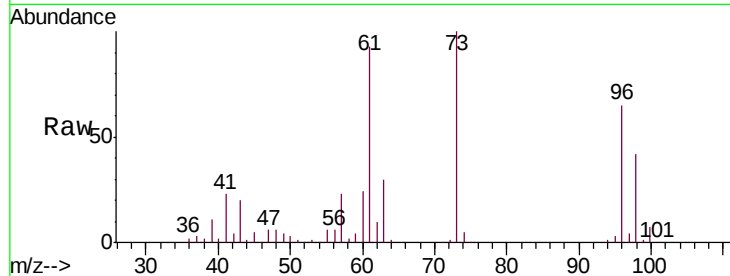




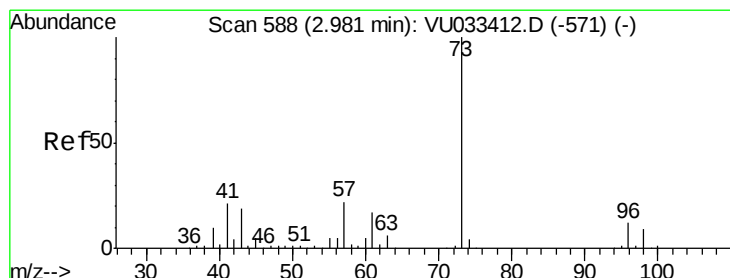
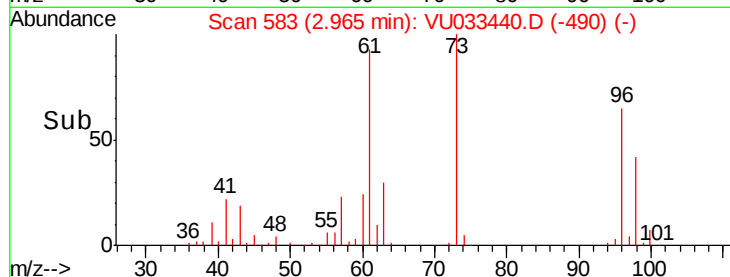
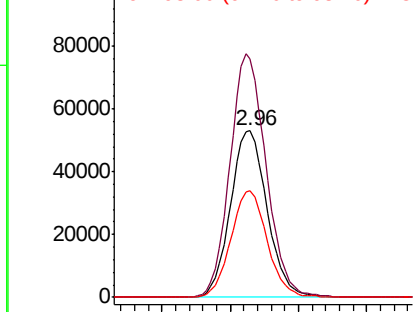
#17
trans-1,2-Dichloroethene
Concen: 51.920 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion: 96 Resp: 99169
Ion Ratio Lower Upper
96 100
61 143.2 100.2 186.2
98 64.5 44.2 82.0

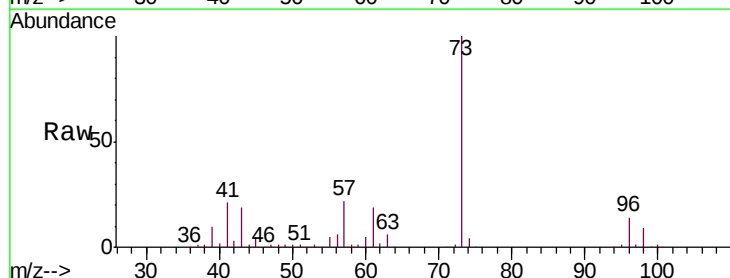


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

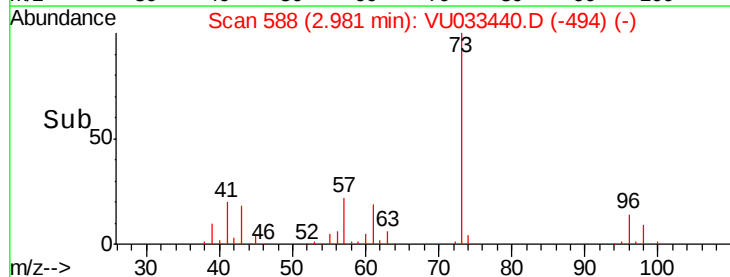
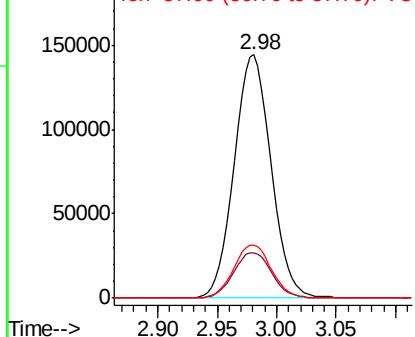


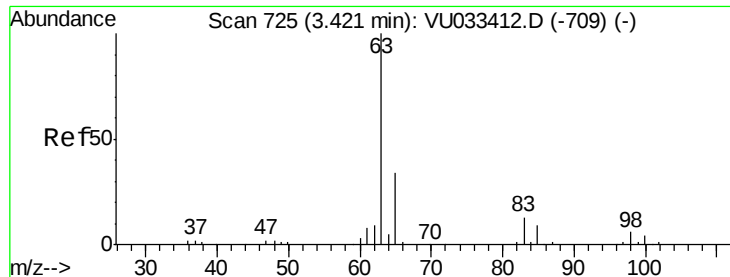
#18
Methyl tert-butyl Ether
Concen: 52.539 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion: 73 Resp: 309751
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5
57 22.4 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 54.004 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

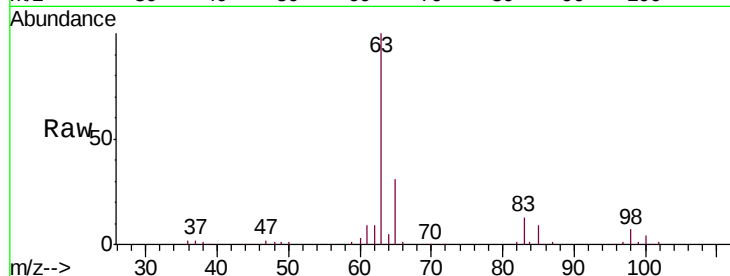
Tgt Ion: 63 Resp: 198279

Ion Ratio Lower Upper

63 100

65 31.0 22.3 41.5

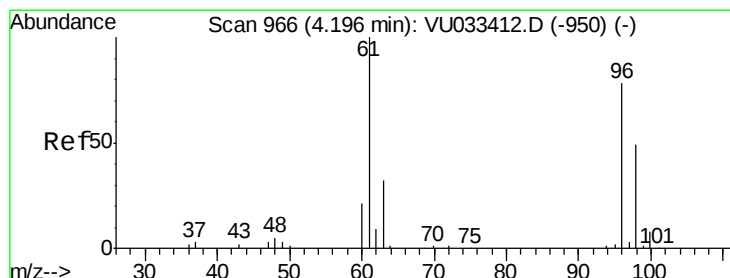
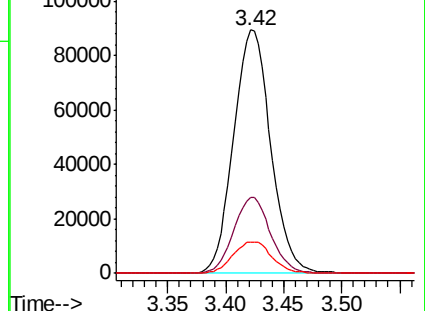
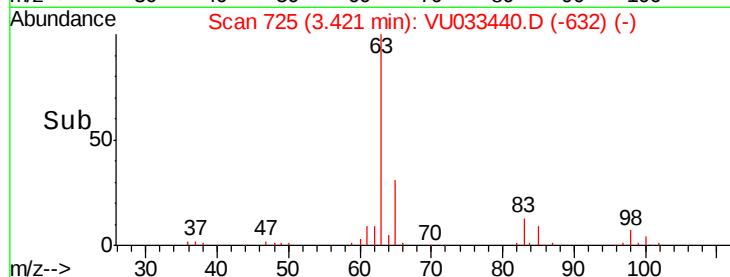
83 13.0 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033440.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033440.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033440.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.234 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

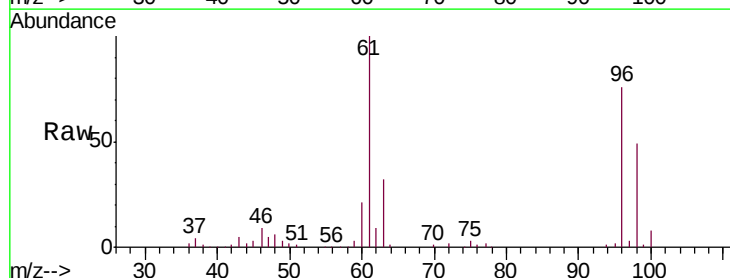
Tgt Ion: 96 Resp: 114689

Ion Ratio Lower Upper

96 100

61 131.6 91.1 169.1

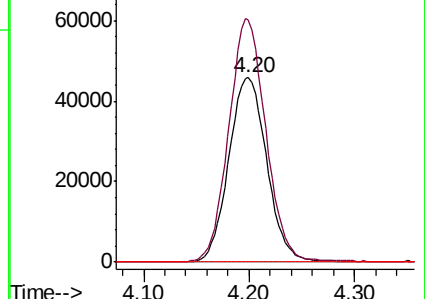
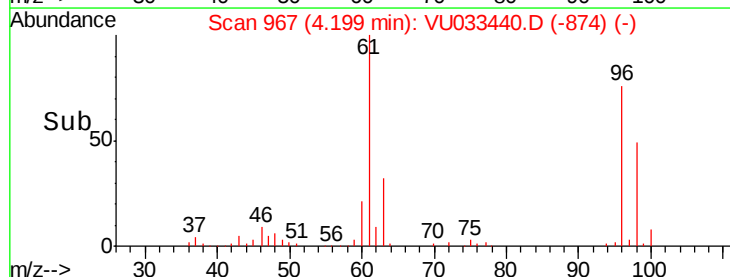
68 0.0 0.0 0.0

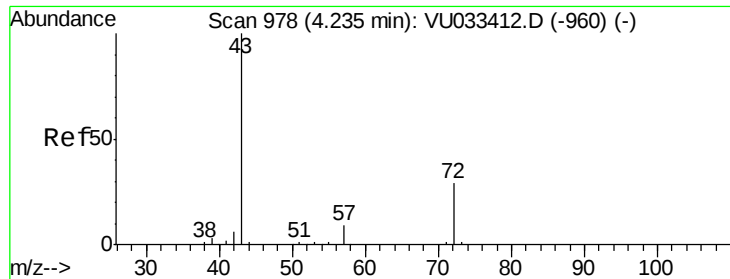


Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-874) (-)





#22

2-Butanone

Concen: 106.095 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

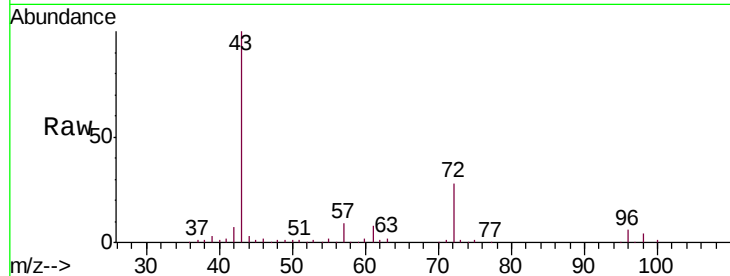
VSTD05058

Tgt Ion: 43 Resp: 195567

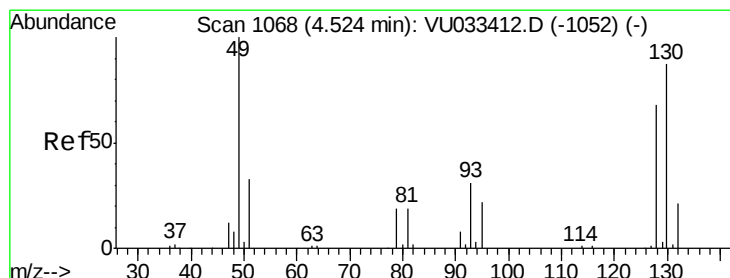
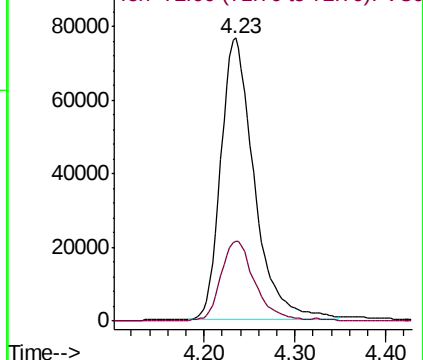
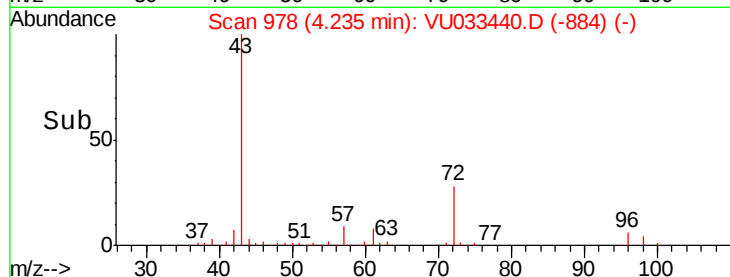
Ion Ratio Lower Upper

43 100

72 29.0 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-884) (-)



#23

Bromochloromethane

Concen: 55.602 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Tgt Ion: 128 Resp: 61341

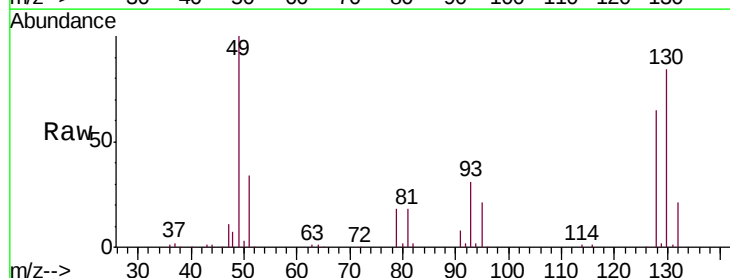
Ion Ratio Lower Upper

128 100

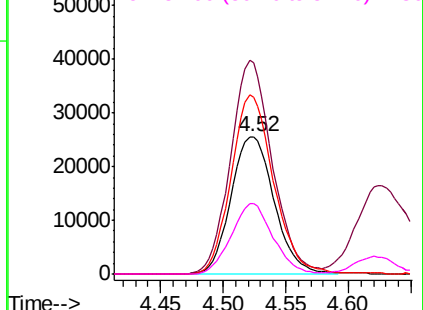
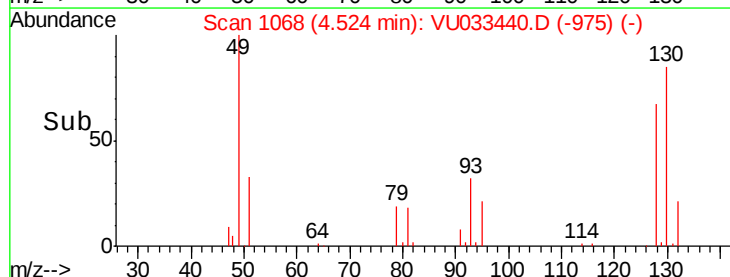
49 153.2 107.2 199.2

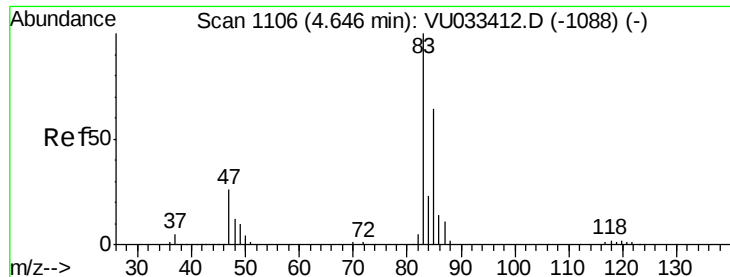
130 128.1 87.0 161.6

51 51.7 39.6 59.4



Abundance Ion 128.00 (127.70 to 128.70): VU033440.D (-975) (-)

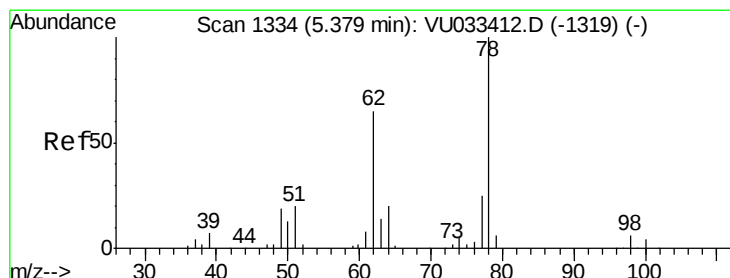
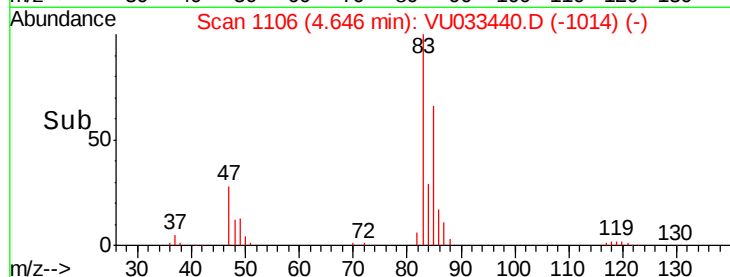
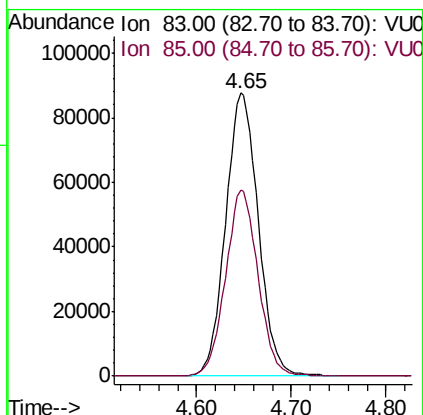
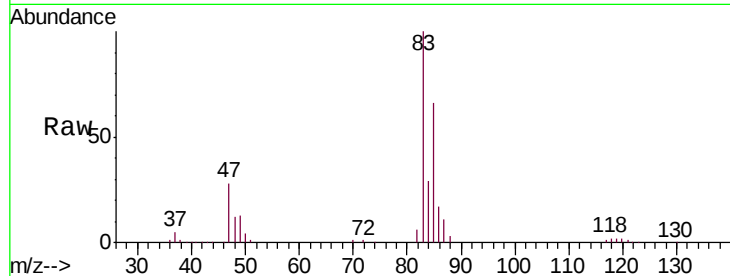




#25
Chloroform
Concen: 53.866 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

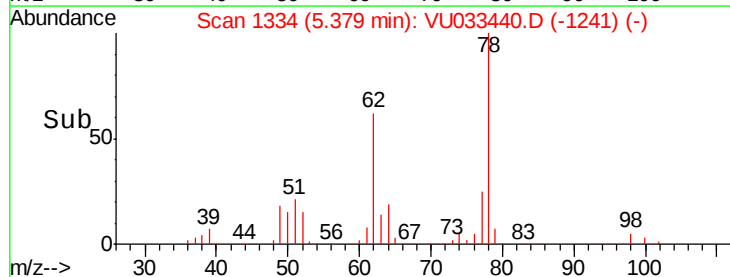
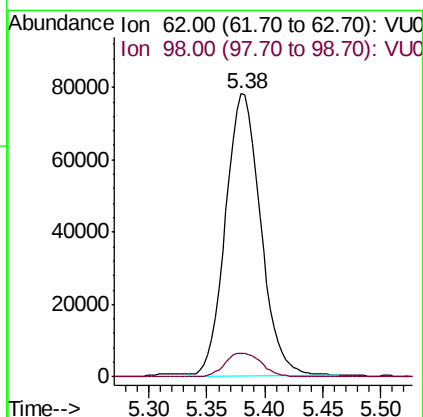
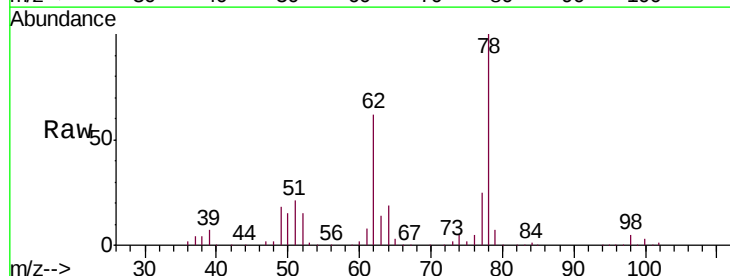
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

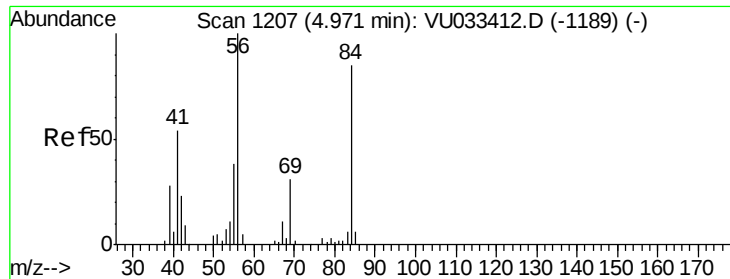
Tgt Ion: 83 Resp: 210338
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 54.470 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion: 62 Resp: 164702
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

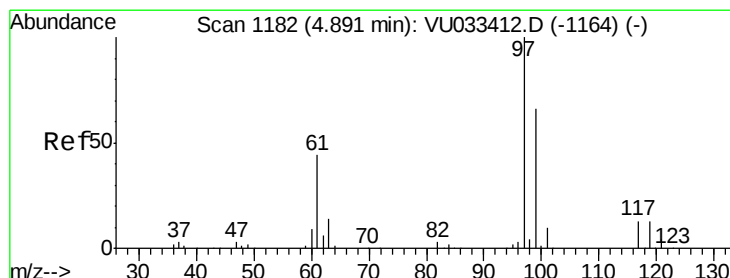
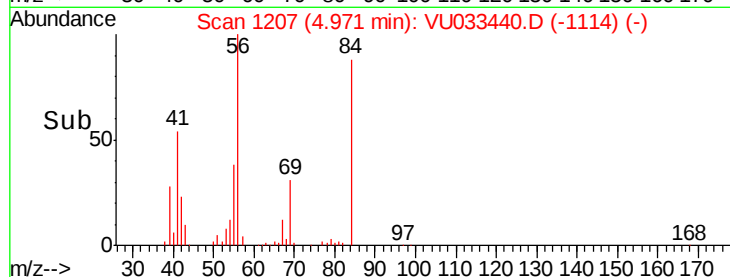
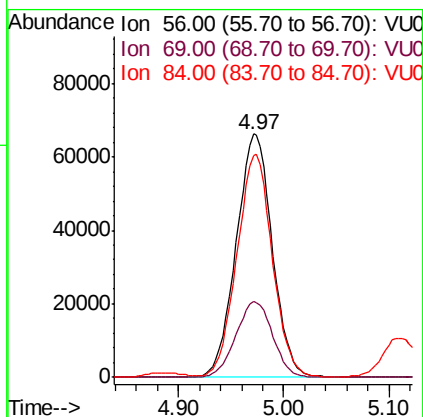
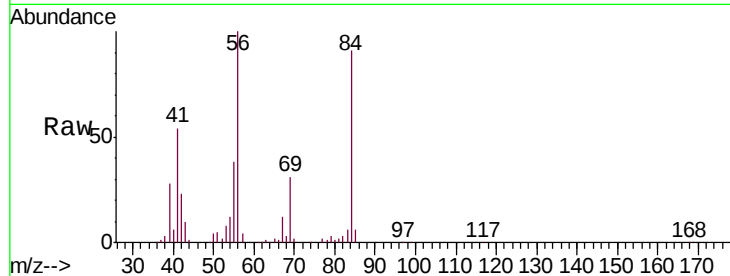




#29
Cyclohexane
Concen: 49.996 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

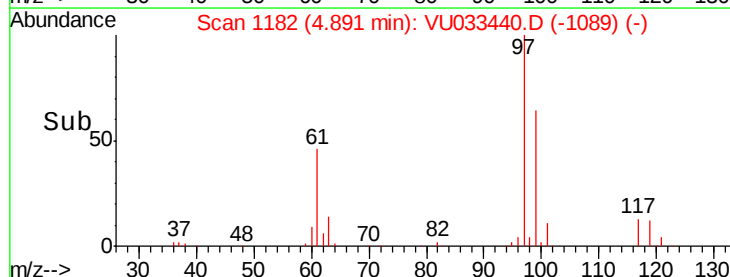
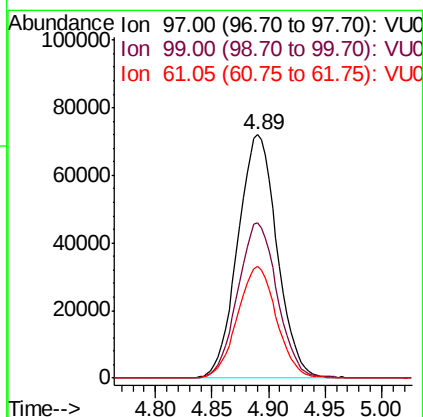
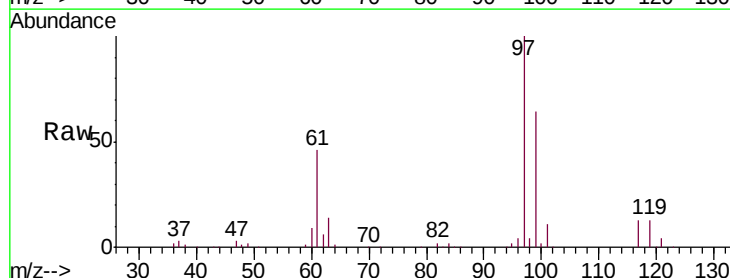
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

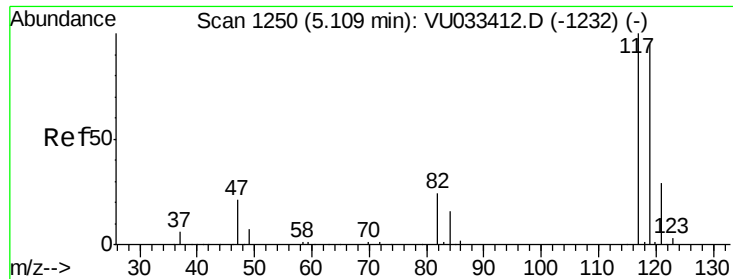
Tgt Ion: 56 Resp: 157166
Ion Ratio Lower Upper
56 100
69 31.8 24.7 37.1
84 89.8 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 51.725 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion: 97 Resp: 174093
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 45.7 36.4 54.6





#31

Carbon tetrachloride

Concen: 52.528 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

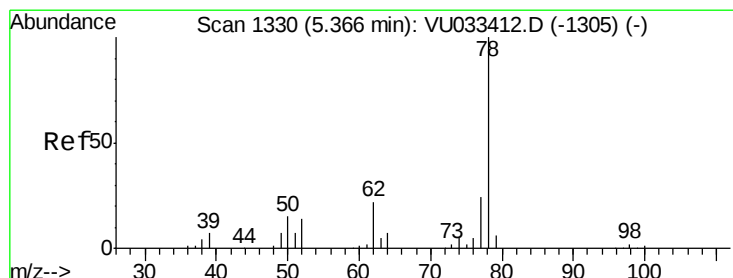
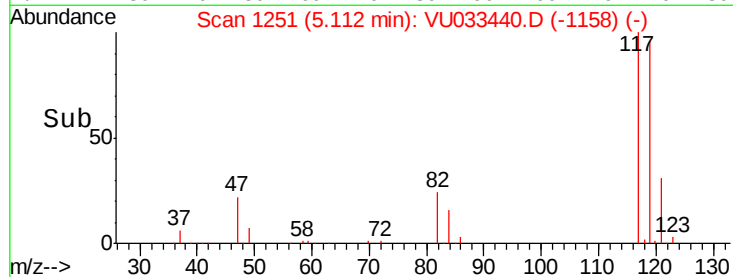
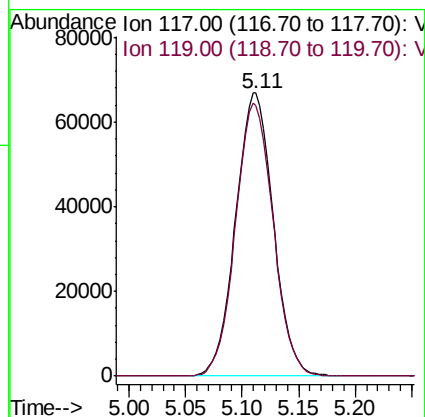
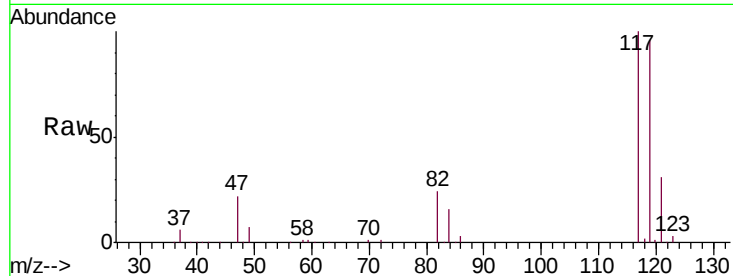
VSTD05058

Tgt Ion:117 Resp: 154717

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



#33

Benzene

Concen: 52.824 ug/L

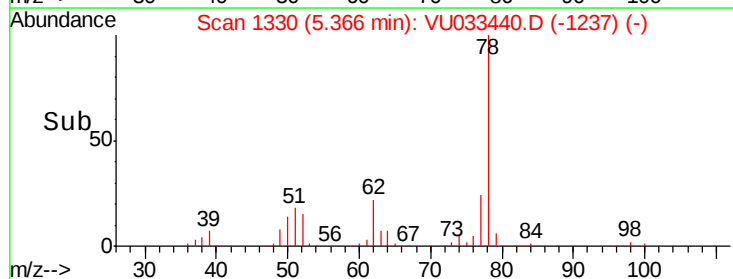
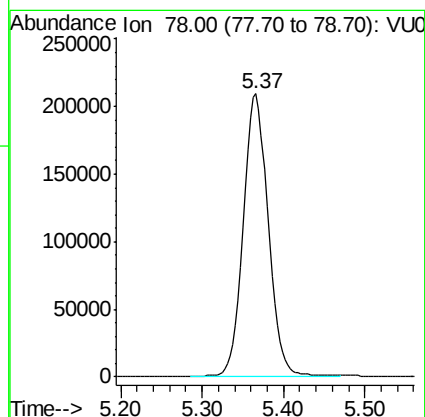
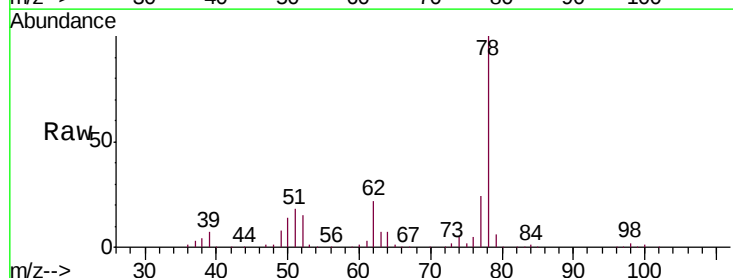
RT: 5.37 min Scan# 1330

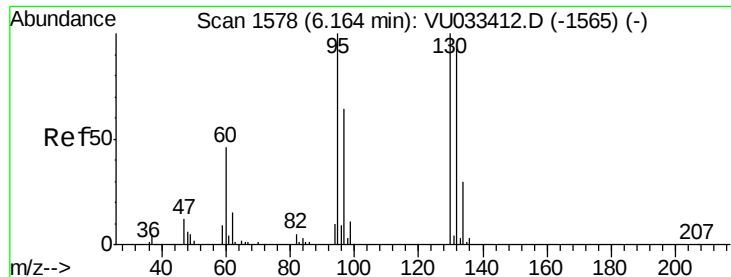
Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Tgt Ion: 78 Resp: 444422





#34

Trichloroethene

Concen: 52.162 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 114771

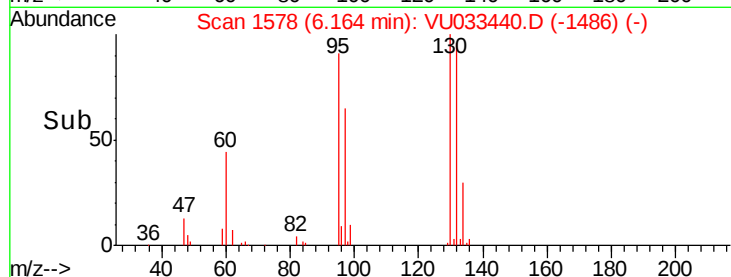
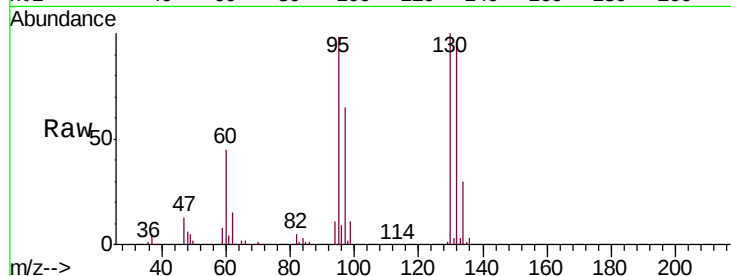
Ion Ratio Lower Upper

95 100

97 65.8 43.8 81.4

132 97.6 65.5 121.6

130 101.9 69.7 129.5

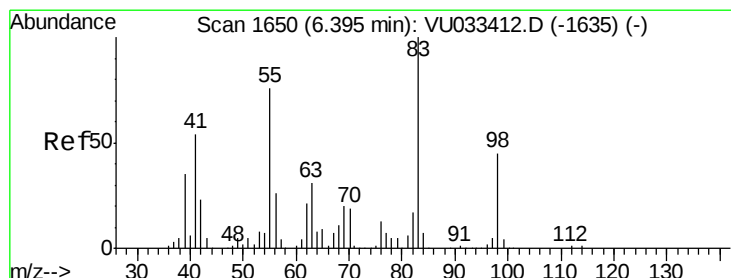
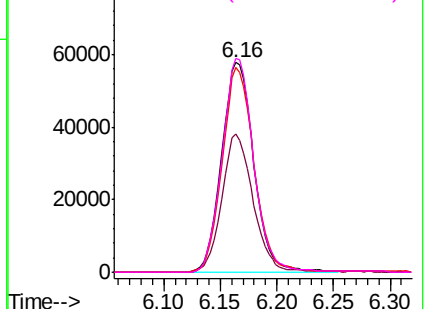


Abundance Ion 95.00 (94.70 to 95.70): VU033440.D (-1486) (-)

Ion 97.00 (96.70 to 97.70): VU033440.D (-1486) (-)

Ion 132.00 (131.70 to 132.70): VU033440.D (-1486) (-)

Ion 130.00 (129.70 to 130.70): VU033440.D (-1486) (-)



#35

Methylcyclohexane

Concen: 52.259 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

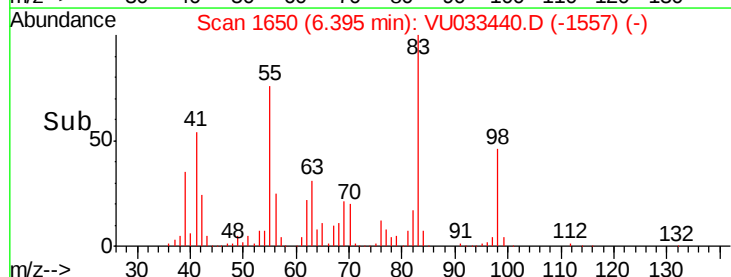
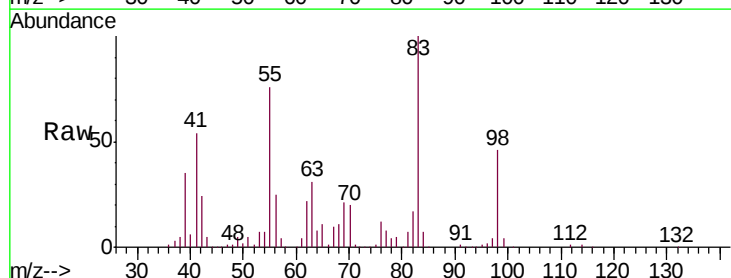
Tgt Ion: 83 Resp: 176142

Ion Ratio Lower Upper

83 100

55 76.5 60.5 90.7

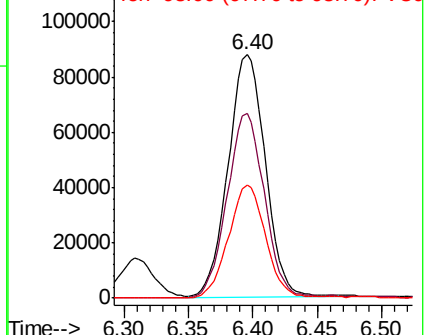
98 46.4 37.4 56.0

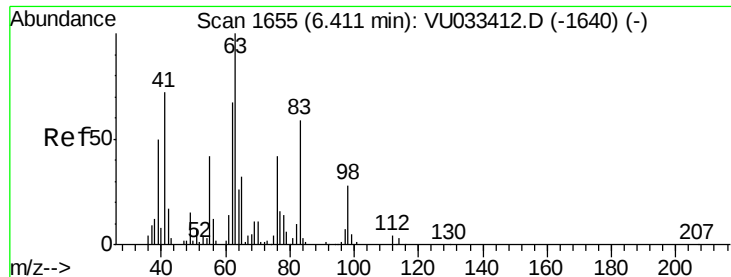


Abundance Ion 83.00 (82.70 to 83.70): VU033440.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033440.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033440.D (-1557) (-)





#37

1,2-Dichloropropane

Concen: 51.984 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

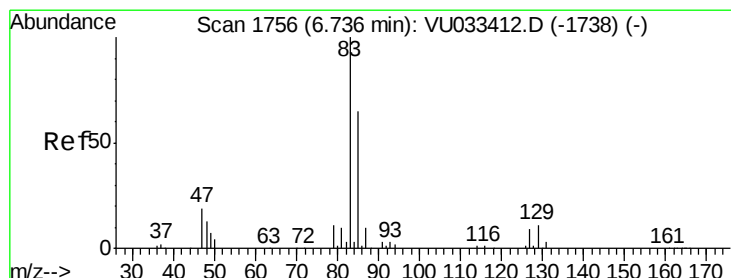
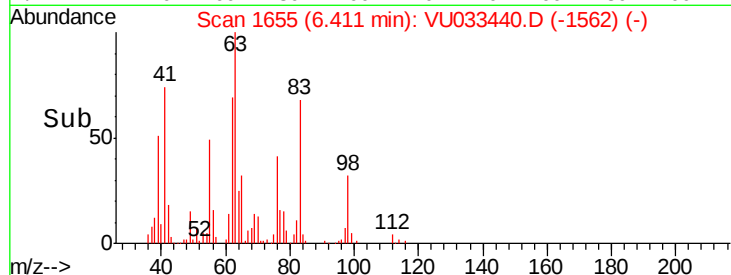
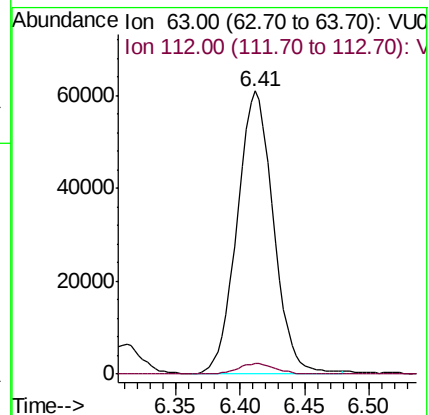
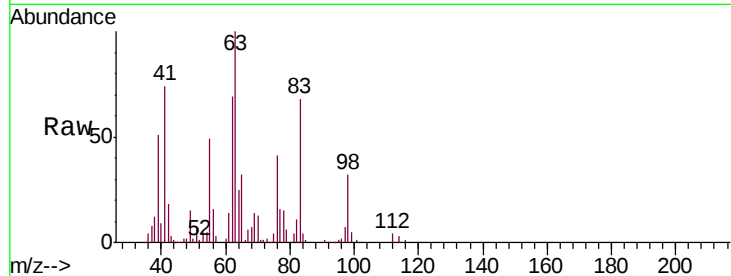
VSTD05058

Tgt Ion: 63 Resp: 118610

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 52.476 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

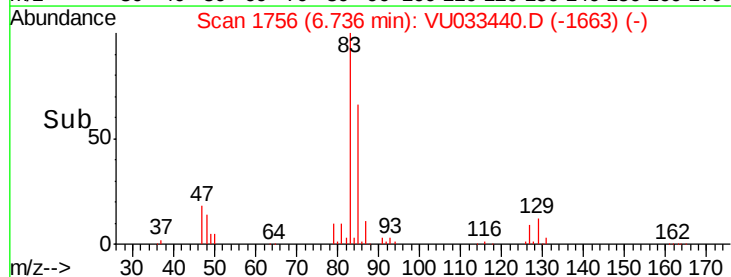
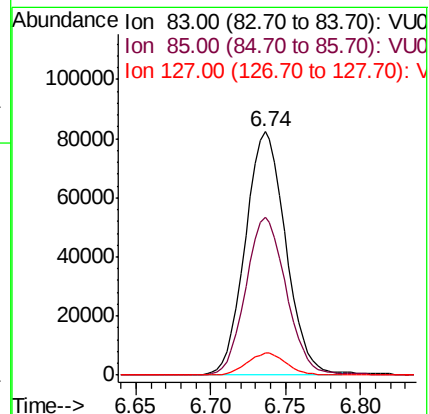
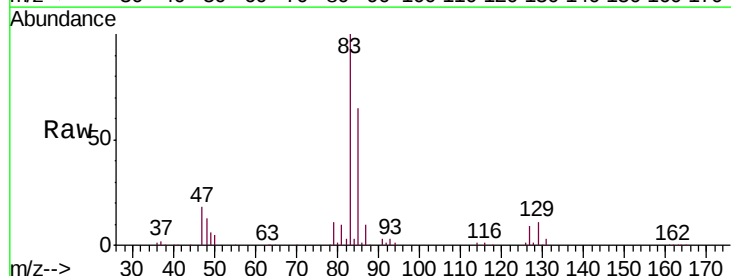
Tgt Ion: 83 Resp: 154447

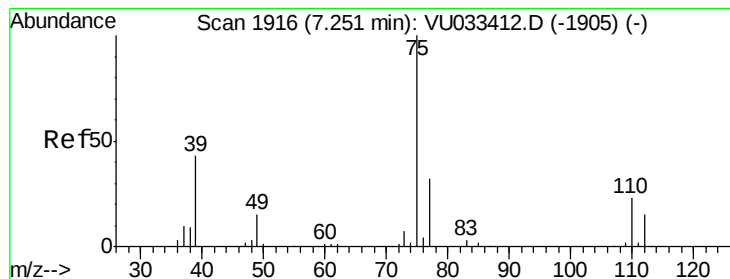
Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.0

127 9.0 6.8 10.2



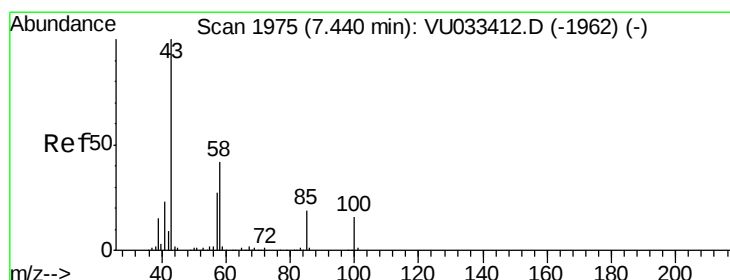
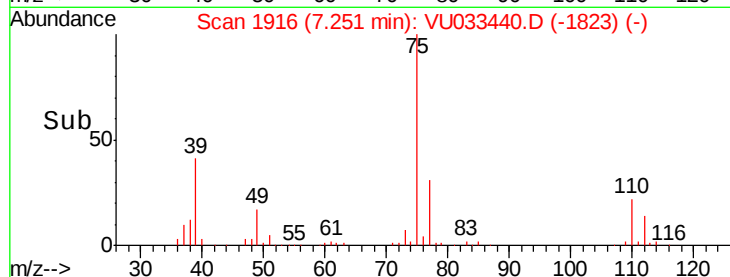
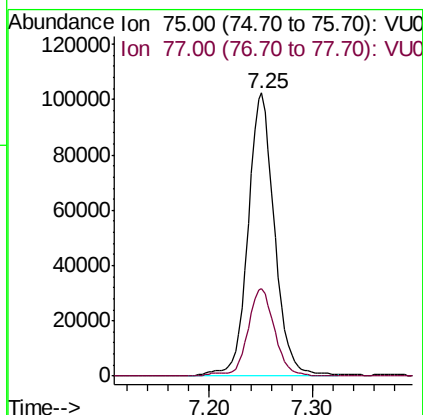
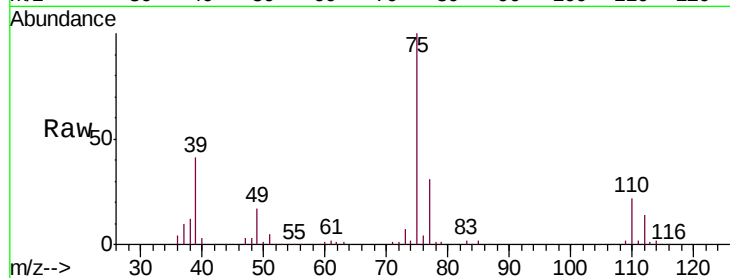


#39

cis-1,3-Dichloropropene
Concen: 52.091 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

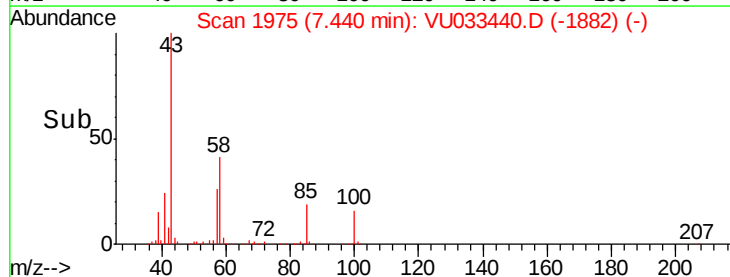
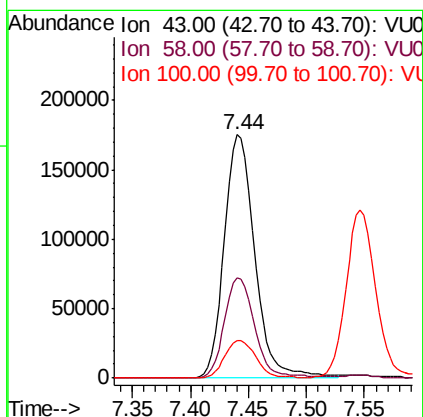
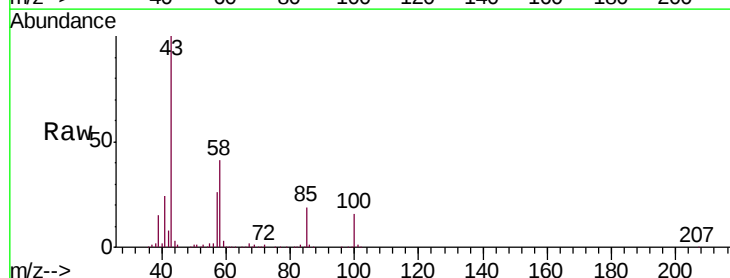
Tgt Ion: 75 Resp: 182231
Ion Ratio Lower Upper
75 100
77 30.9 23.1 42.9

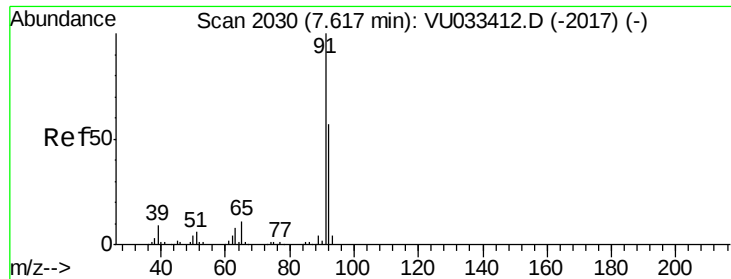


#40

4-Methyl-2-pentanone
Concen: 104.667 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion: 43 Resp: 320366
Ion Ratio Lower Upper
43 100
58 41.1 33.3 49.9
100 15.9 12.1 18.1





#42

Toluene

Concen: 54.153 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

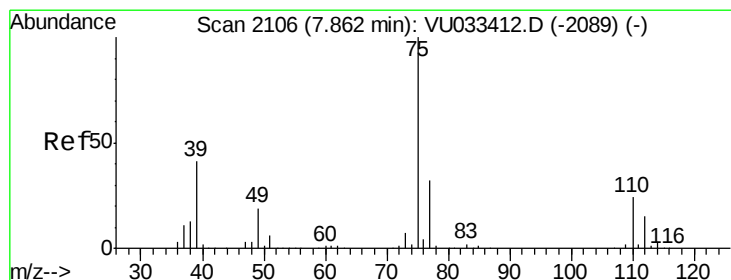
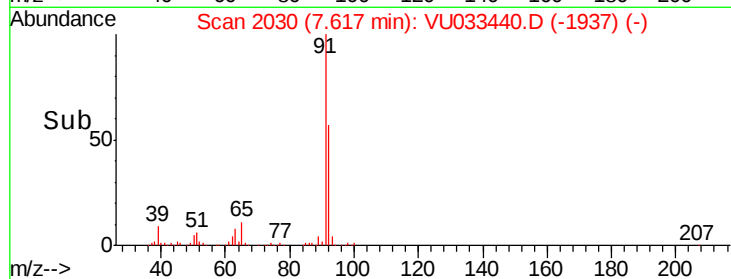
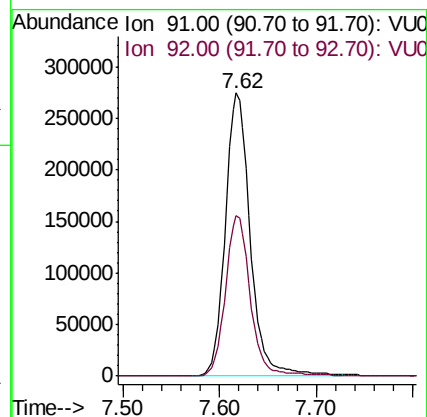
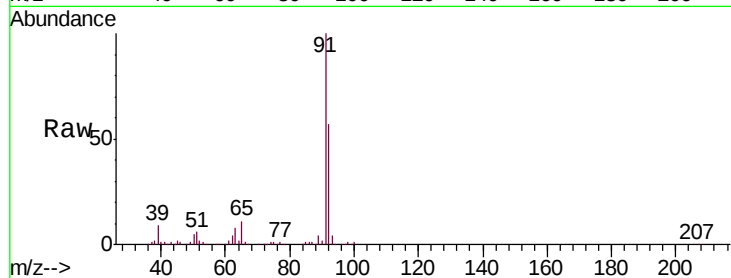
VSTD05058

Tgt Ion: 91 Resp: 491194

Ion Ratio Lower Upper

91 100

92 56.6 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 51.784 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033440.D

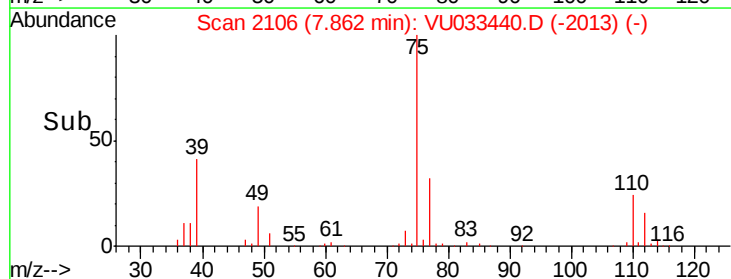
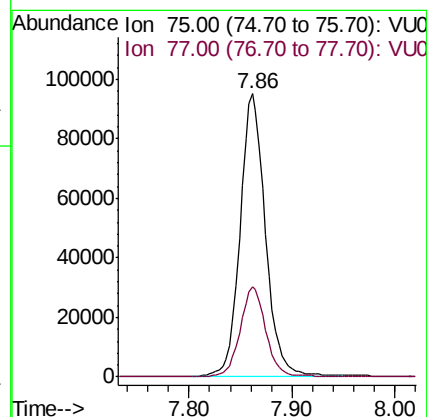
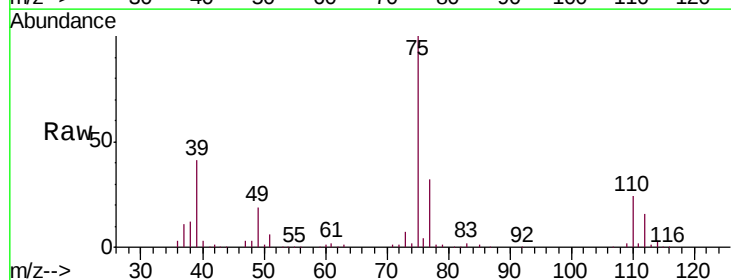
Acq: 26 Jul 2019 09:09

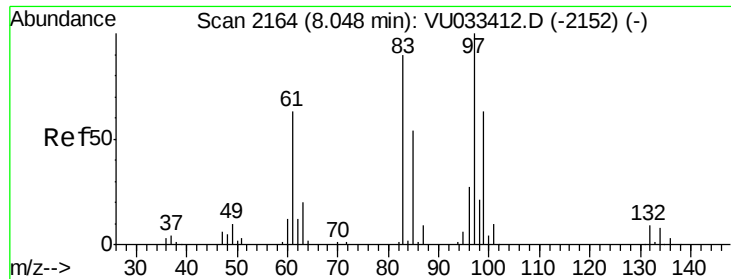
Tgt Ion: 75 Resp: 163375

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6

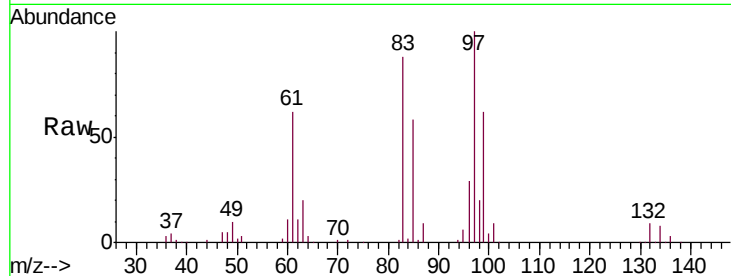




#45
 1,1,2-Trichloroethane
 Concen: 53.749 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:	97	Resp:	115985
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.0	79.8
83	88.1	61.5	114.3
85	57.5	38.8	72.0



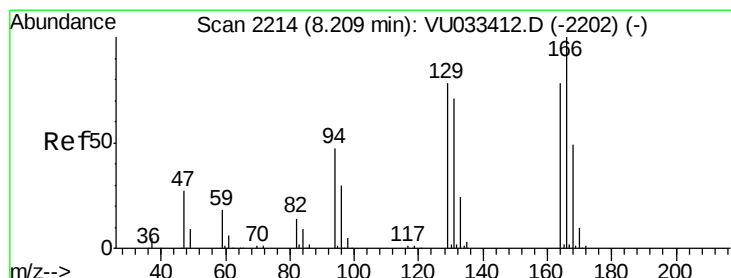
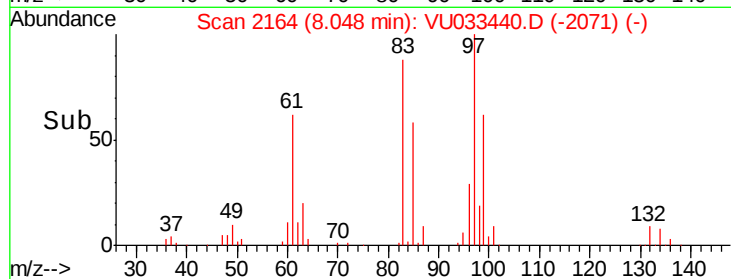
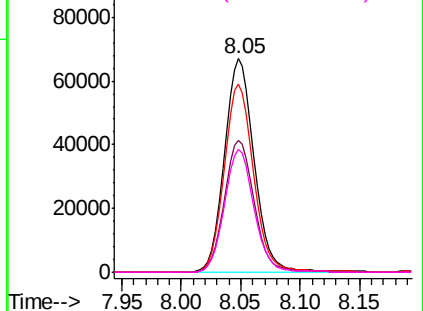
Abundance

Ion 97.00 (96.70 to 97.70): VU033440.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033440.D (-2152) (-)

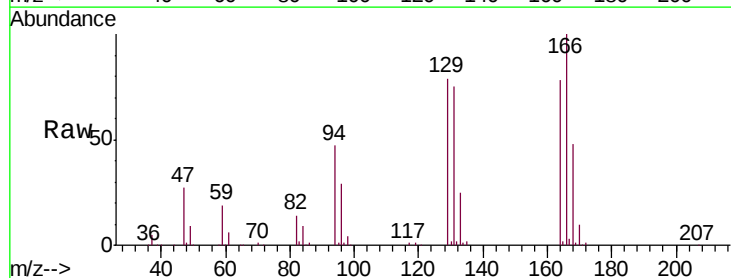
Ion 83.00 (82.70 to 83.70): VU033440.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033440.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 54.046 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Tgt Ion:	164	Resp:	92058
Ion	Ratio	Lower	Upper
164	100		
129	100.9	69.6	129.2
131	95.5	65.7	122.1
166	127.8	88.5	164.4



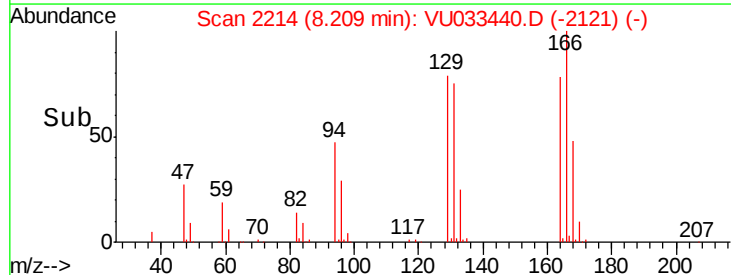
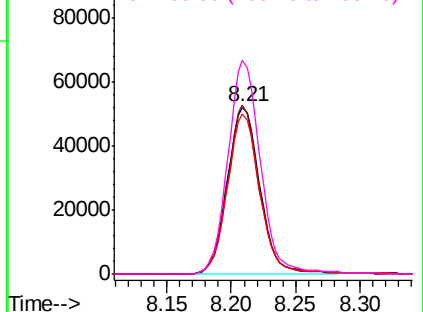
Abundance

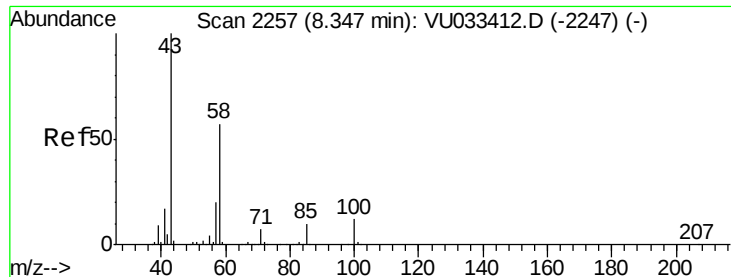
Ion 164.00 (163.70 to 164.70): VU033440.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033440.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033440.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033440.D (-2211) (-)

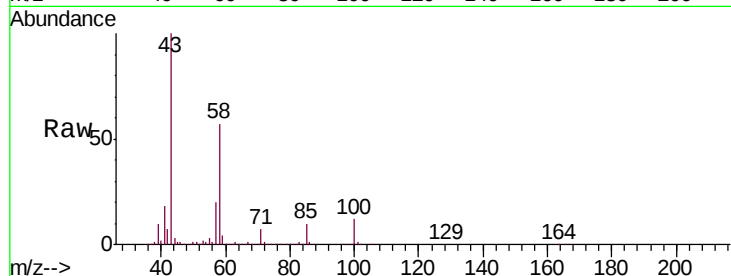




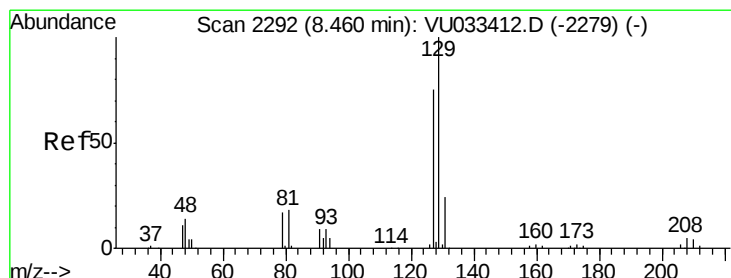
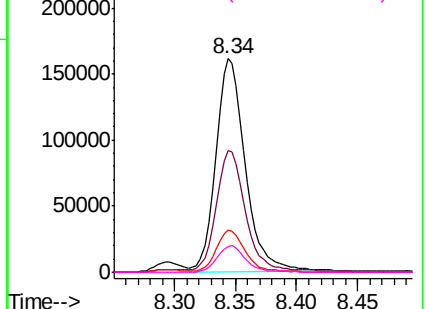
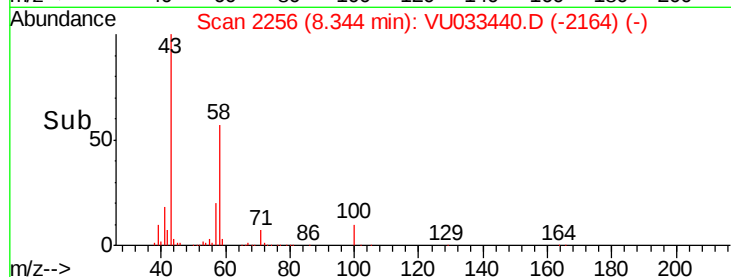
#48
2-Hexanone
Concen: 108.825 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion:	43	Resp:	271364
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.1	69.1
57	19.5	15.8	23.8
100	12.1	9.4	14.2

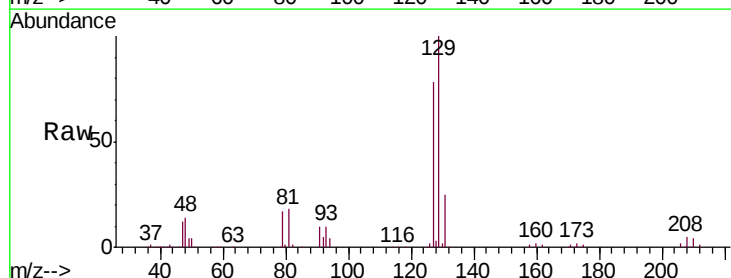


Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-2164) (-)
Ion 58.00 (57.70 to 58.70): VU033440.D (-2164) (-)
Ion 57.00 (56.70 to 57.70): VU033440.D (-2164) (-)
Ion 100.00 (99.70 to 100.70): VU033440.D (-2164) (-)

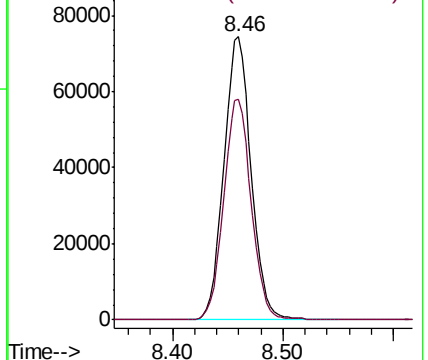
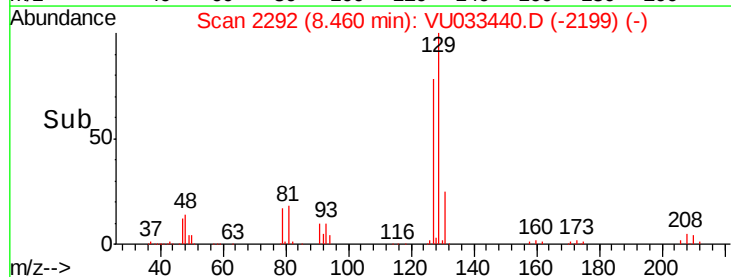


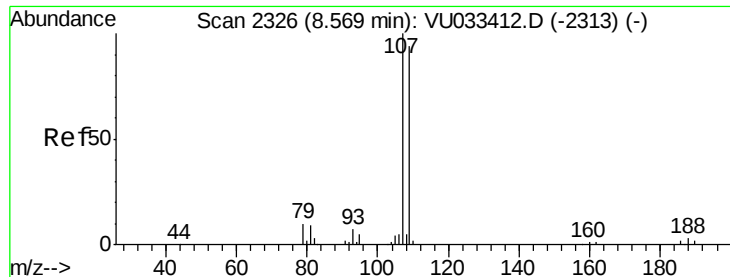
#49
Dibromochloromethane
Concen: 53.028 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion:	129	Resp:	127646
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VU033440.D (-2199) (-)
Ion 127.00 (126.70 to 127.70): VU033440.D (-2199) (-)

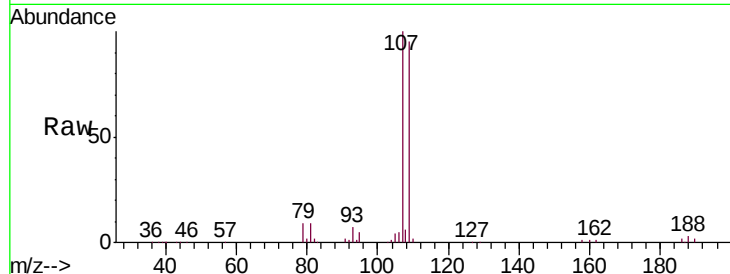




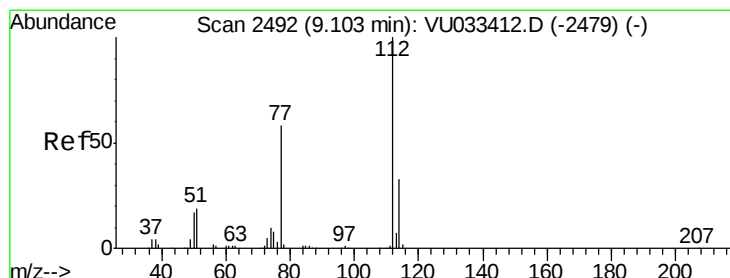
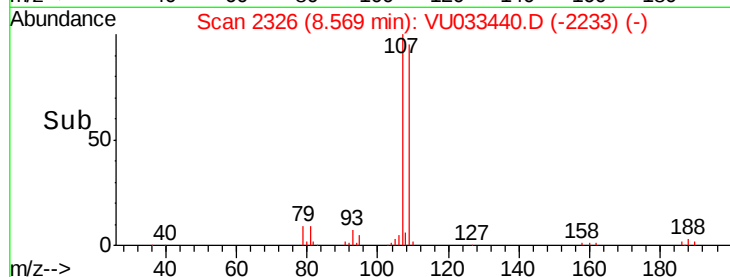
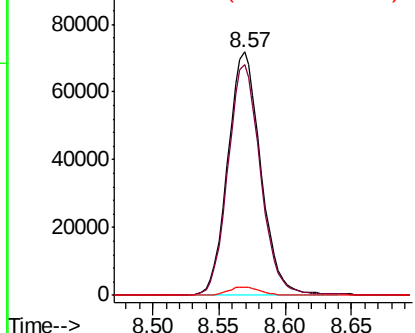
#50
1,2-Dibromoethane
Concen: 52.750 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.2	119.2
188	3.4	2.6	4.0

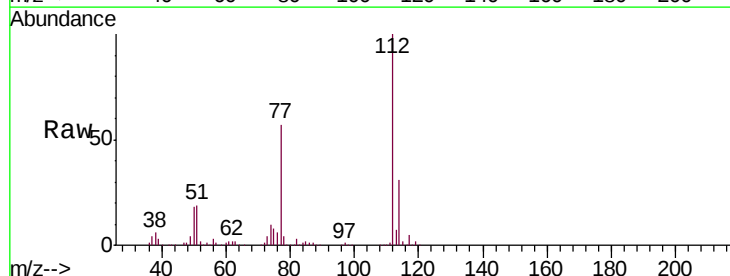


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

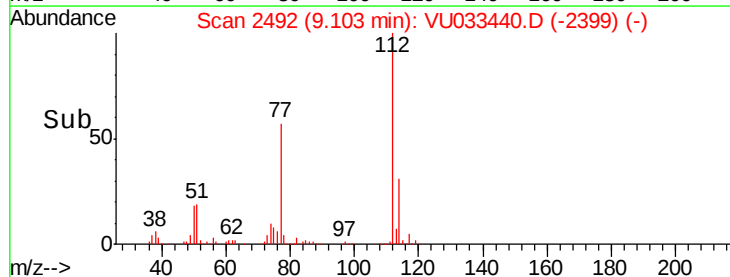
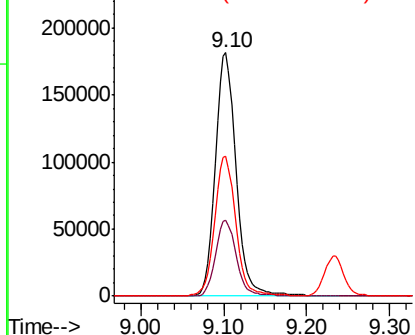


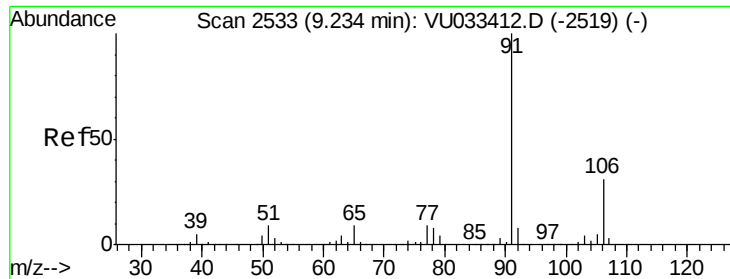
#51
Chlorobenzene
Concen: 53.138 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033440.D
Acq: 26 Jul 2019 09:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.3	41.3
77	57.4	47.2	70.8



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): V





#52

Ethylbenzene

Concen: 54.445 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

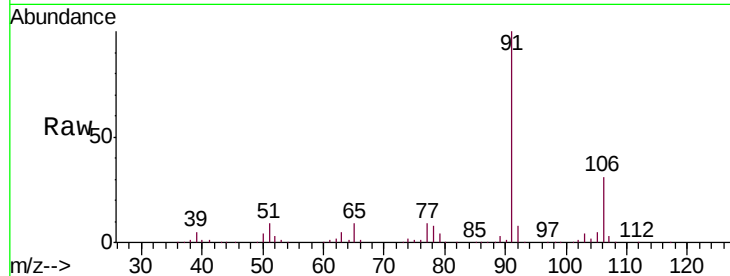
VSTD05058

Tgt Ion: 91 Resp: 528434

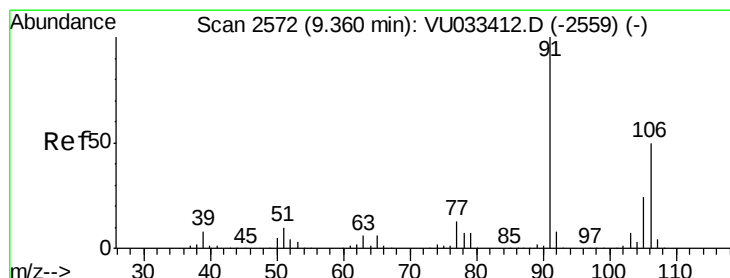
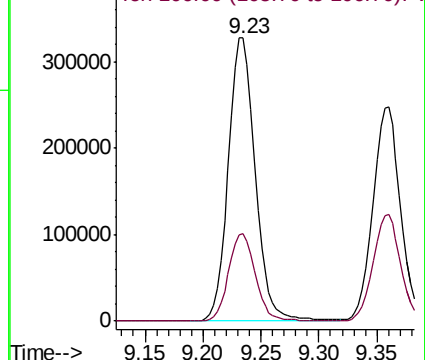
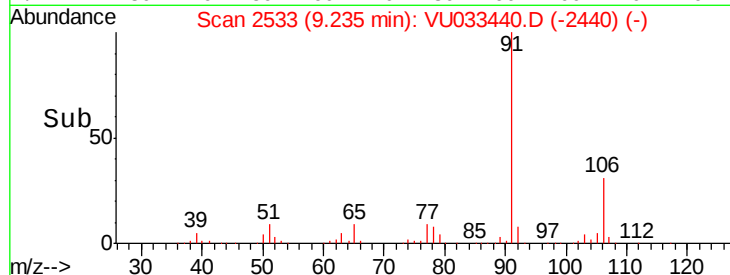
Ion Ratio Lower Upper

91 100

106 30.8 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VU033440.D (-2440) (-)



#53

m,p-Xylene

Concen: 56.369 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033440.D

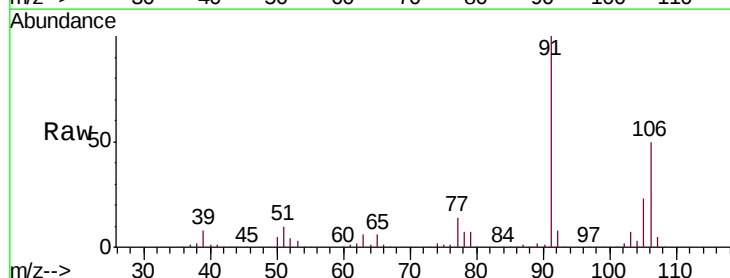
Acq: 26 Jul 2019 09:09

Tgt Ion: 106 Resp: 207230

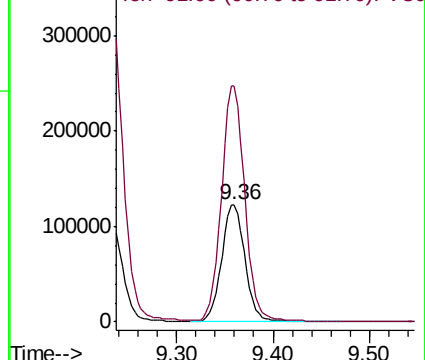
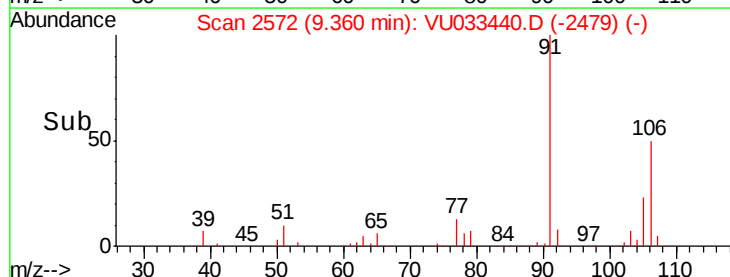
Ion Ratio Lower Upper

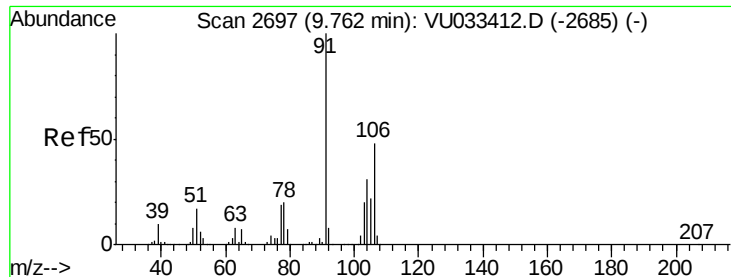
106 100

91 201.7 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VU033440.D (-2479) (-)





#54

o-xylene

Concen: 54.056 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

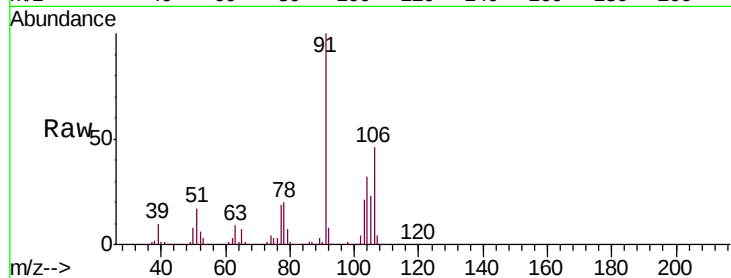
VSTD05058

Tgt Ion:106 Resp: 197325

Ion Ratio Lower Upper

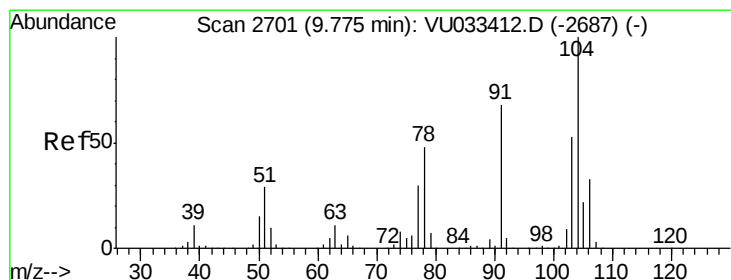
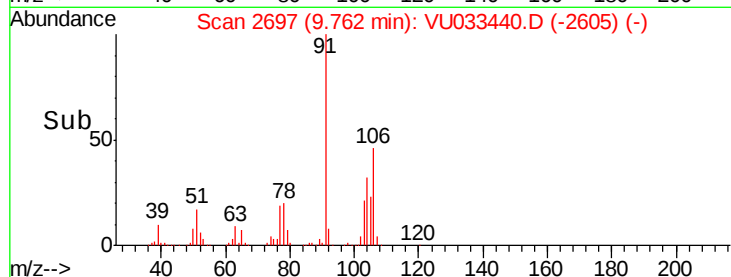
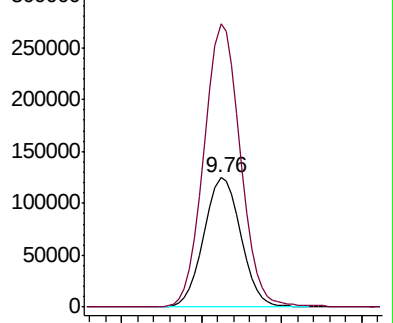
106 100

91 218.8 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.326 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033440.D

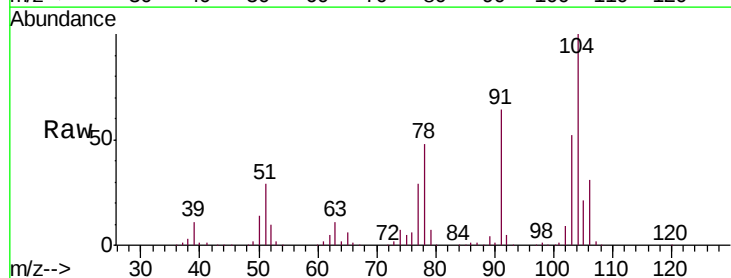
Acq: 26 Jul 2019 09:09

Tgt Ion:104 Resp: 348596

Ion Ratio Lower Upper

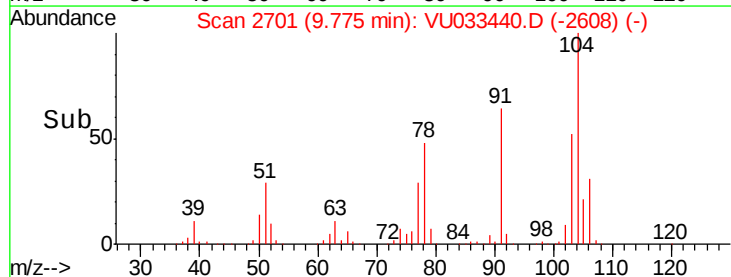
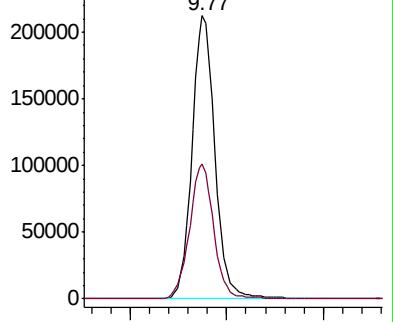
104 100

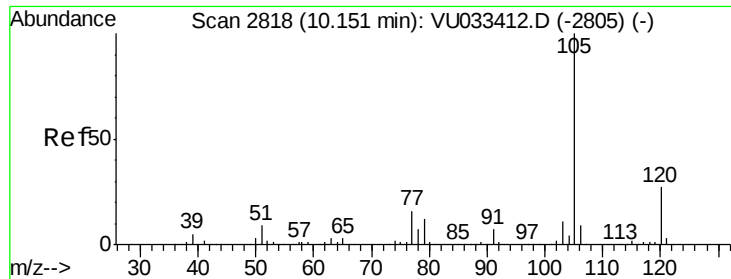
78 47.5 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.753 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

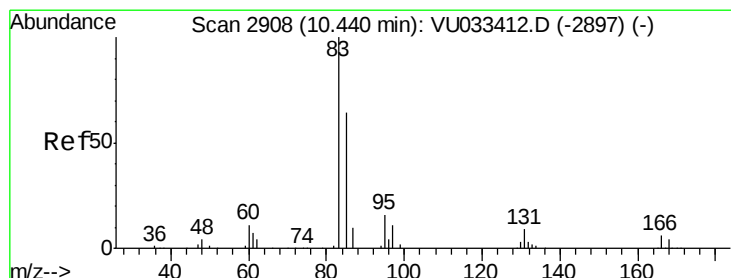
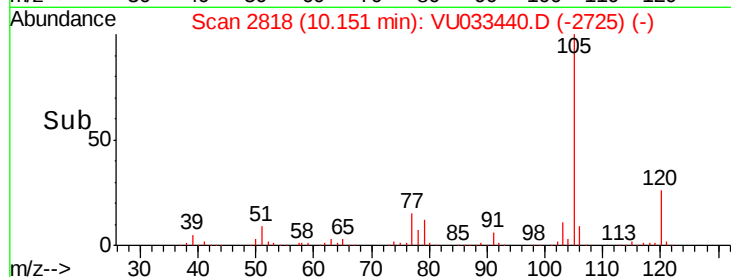
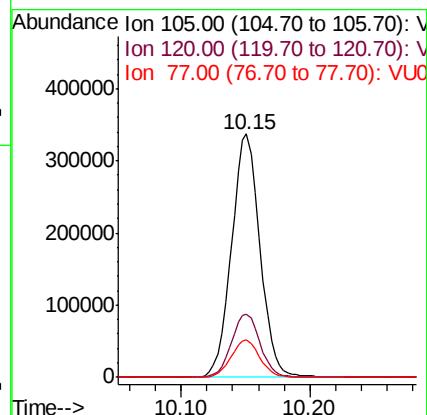
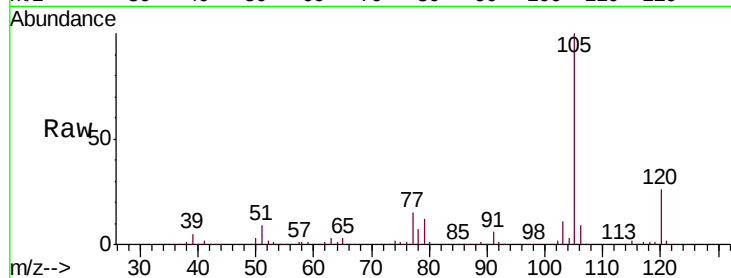
Tgt Ion: 105 Resp: 514319

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

77 15.8 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 53.700 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

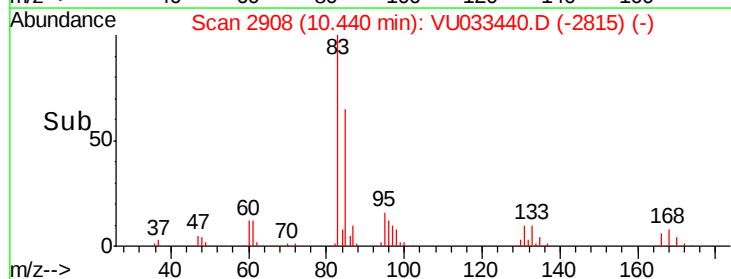
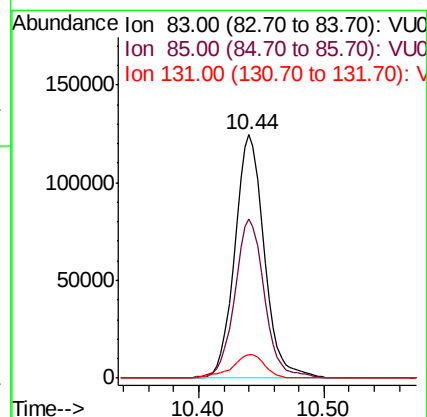
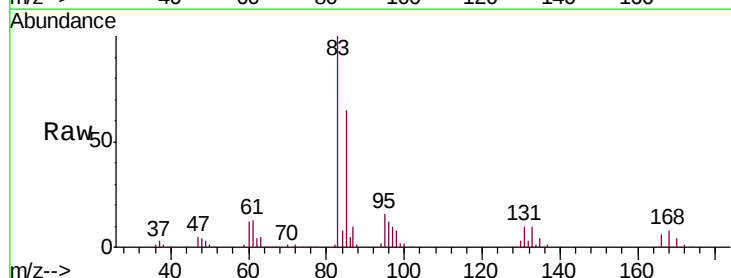
Tgt Ion: 83 Resp: 203545

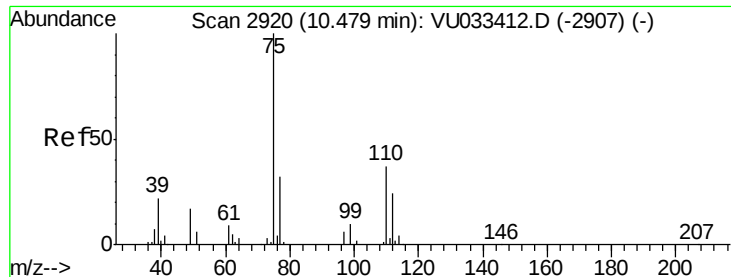
Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

131 9.8 7.6 11.4

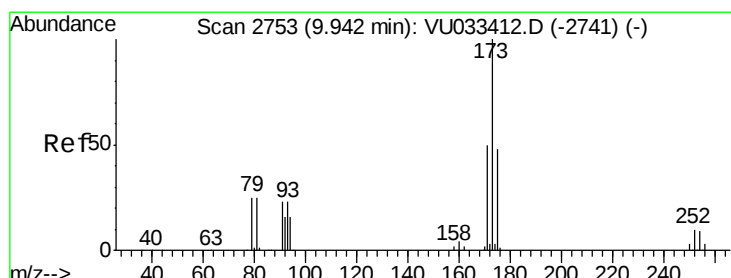
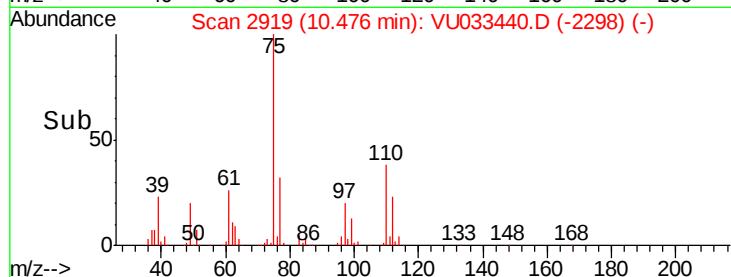
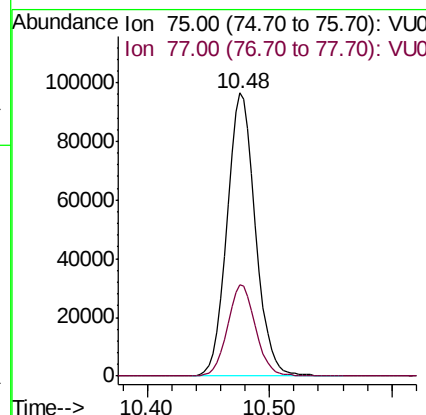
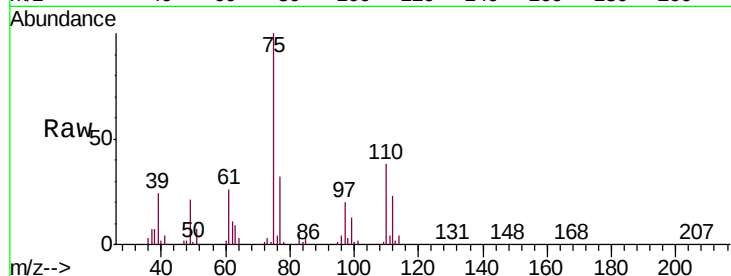




#59
 1,2,3-Trichloropropane
 Concen: 53.005 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

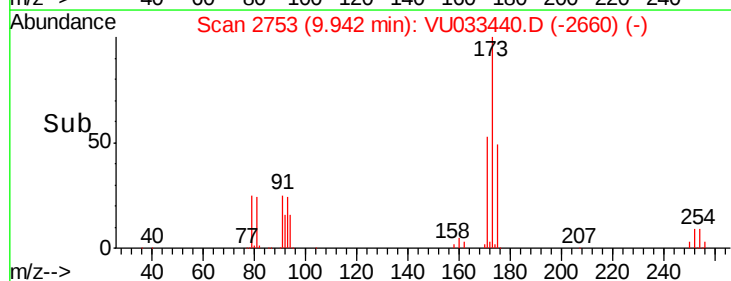
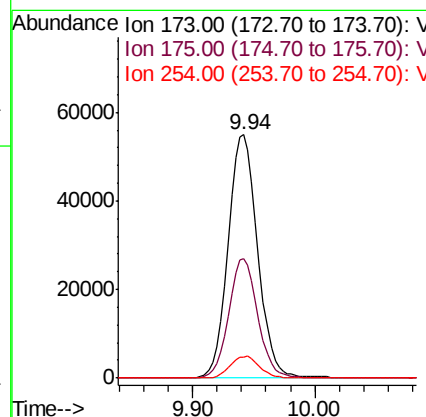
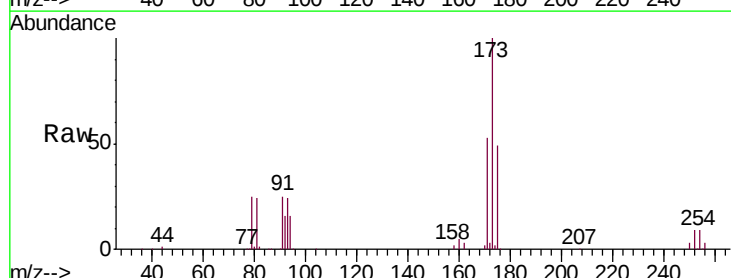
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

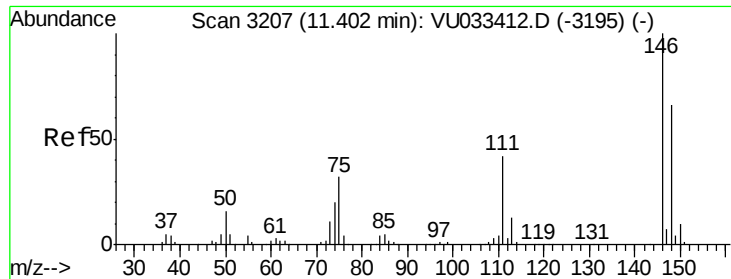
Tgt Ion: 75 Resp: 157442
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0



#61
 Bromoform
 Concen: 52.425 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Tgt Ion: 173 Resp: 93139
 Ion Ratio Lower Upper
 173 100
 175 48.2 40.0 60.0
 254 8.8 7.3 10.9

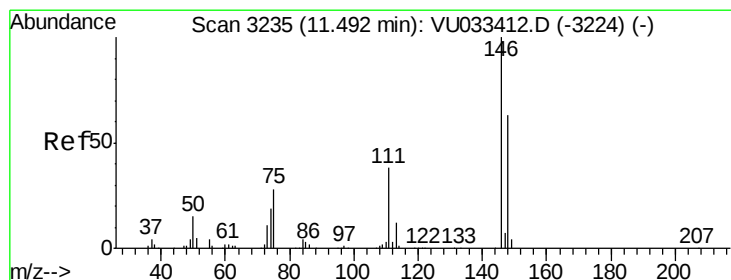
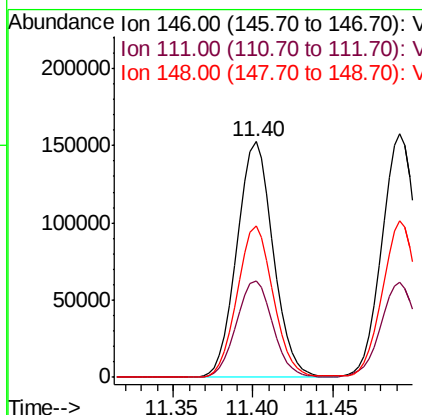
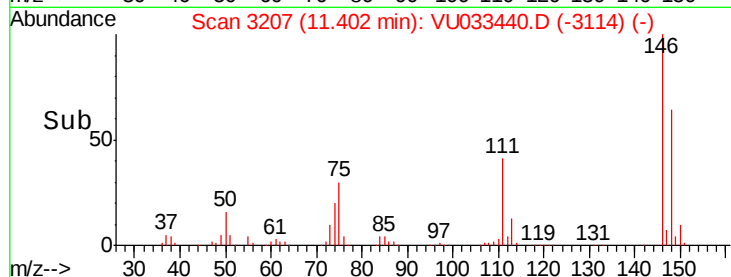
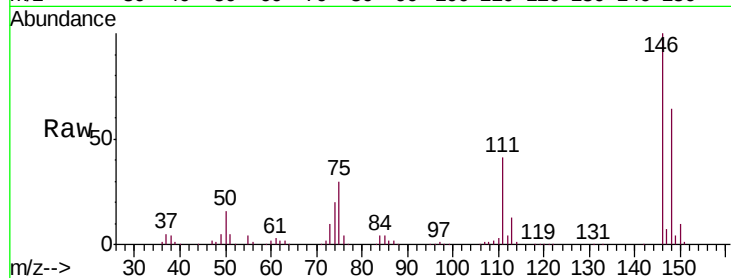




#62
 1,3-Dichlorobenzene
 Concen: 52.680 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

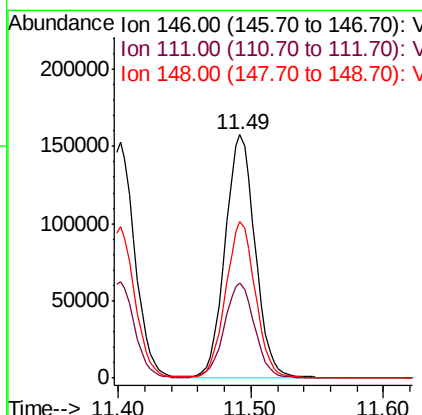
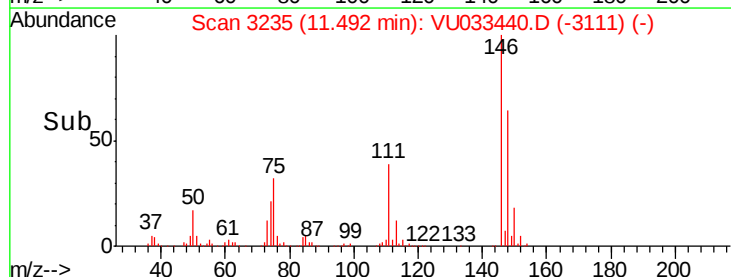
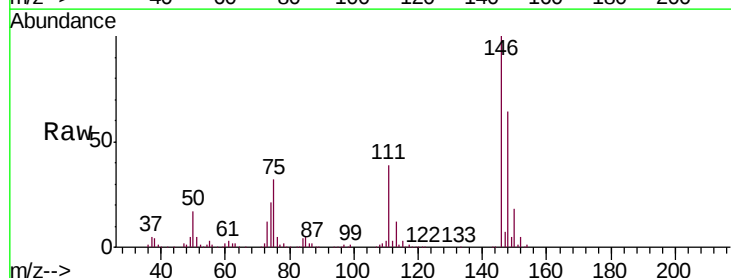
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

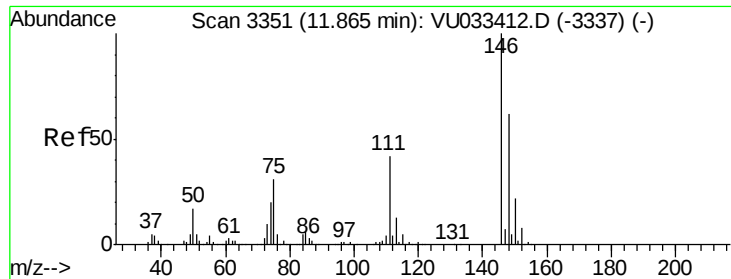
Tgt Ion:146 Resp: 235900
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.0 52.0
 148 64.0 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 52.634 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Tgt Ion:146 Resp: 246433
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.8 51.6
 148 64.2 44.6 82.8

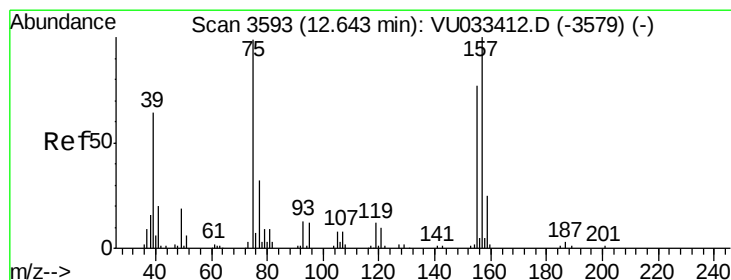
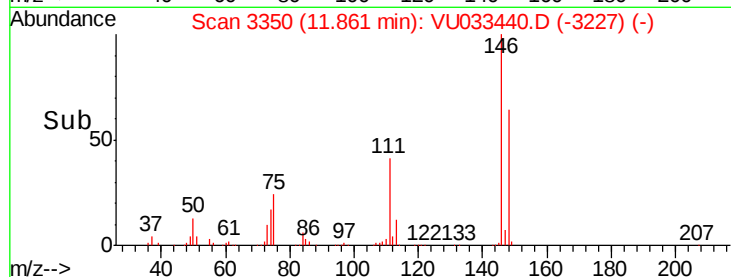
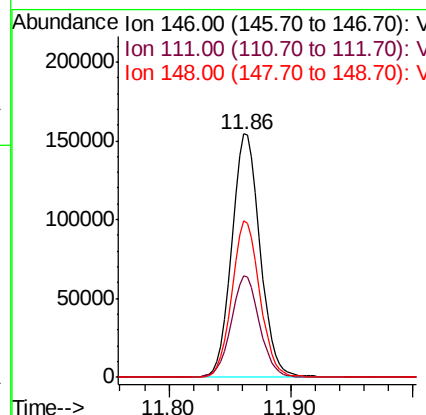
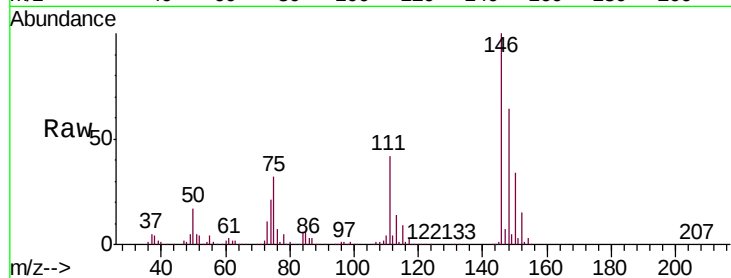




#65
 1,2-Dichlorobenzene
 Concen: 54.684 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

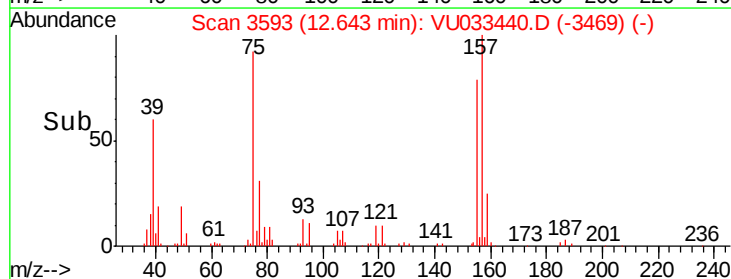
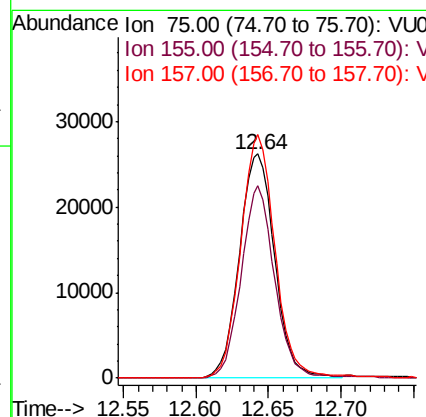
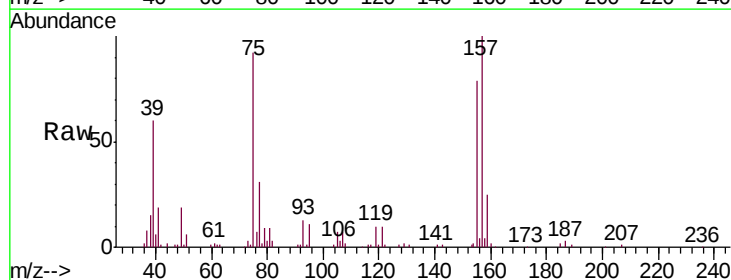
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

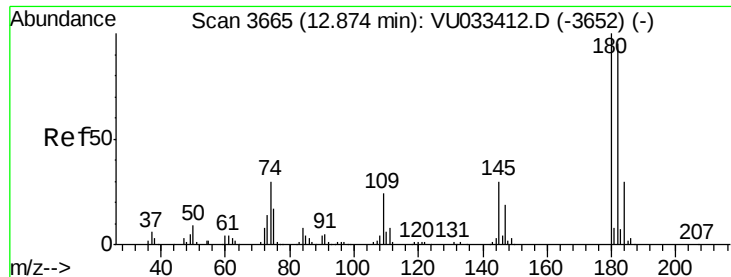
Tgt Ion:146 Resp: 251136
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.3 51.5
 148 64.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.699 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Tgt Ion: 75 Resp: 44439
 Ion Ratio Lower Upper
 75 100
 155 85.6 63.5 95.3
 157 108.6 84.6 127.0

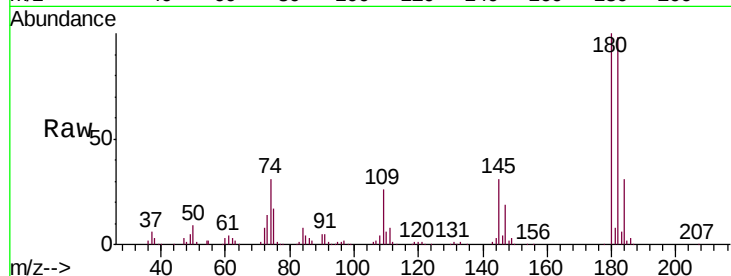




#67
 1,3,5-Trichlorobenzene
 Concen: 56.461 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.5	113.3
184	30.7	24.2	36.2
145	30.0	24.1	36.1



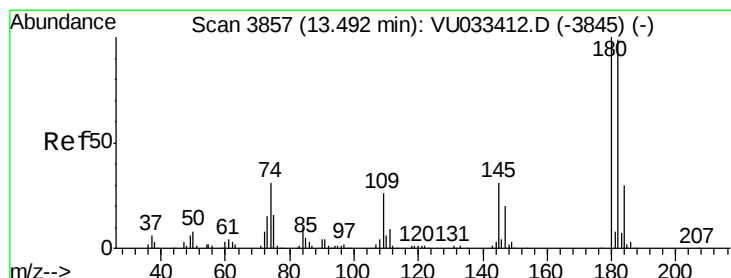
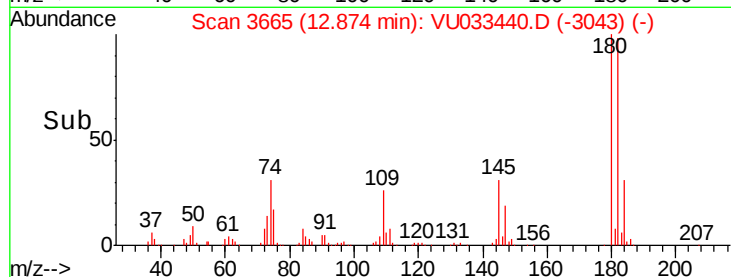
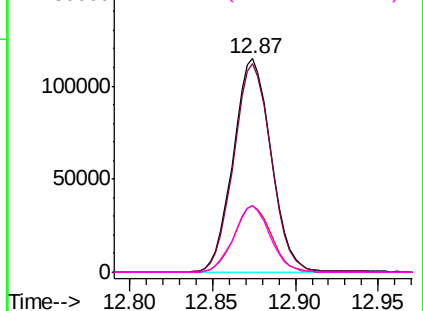
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

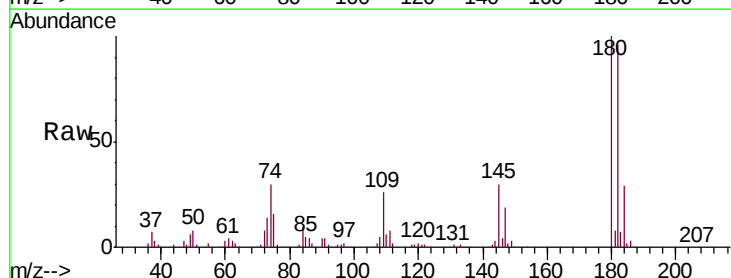
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 56.014 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033440.D
 Acq: 26 Jul 2019 09:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
145	29.4	24.6	36.8

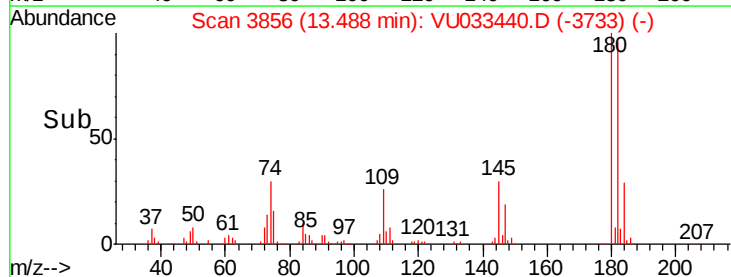
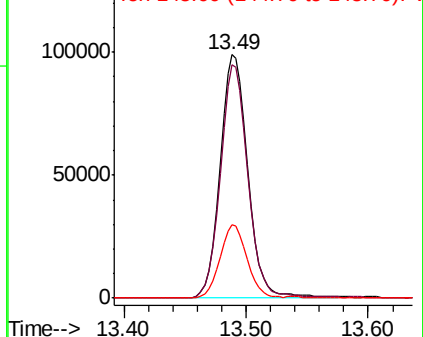


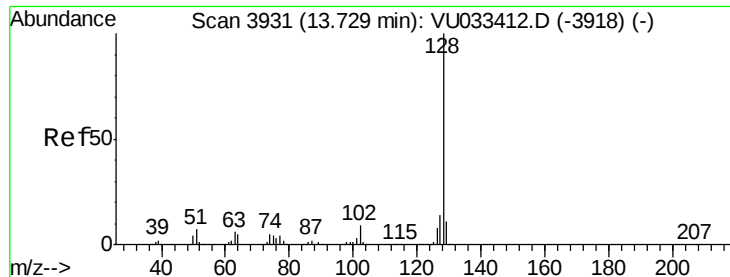
Abundance

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: 56.434 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

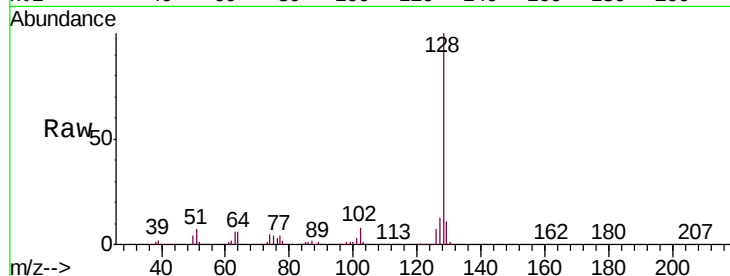
Tgt Ion:128 Resp: 511485

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

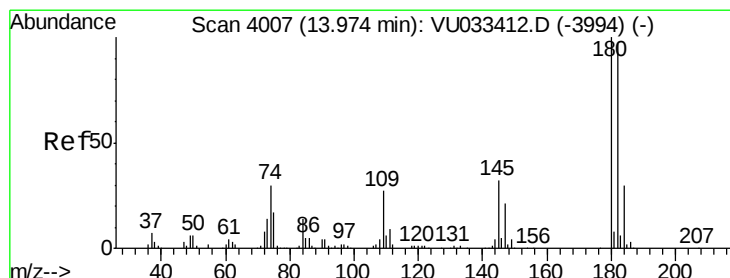
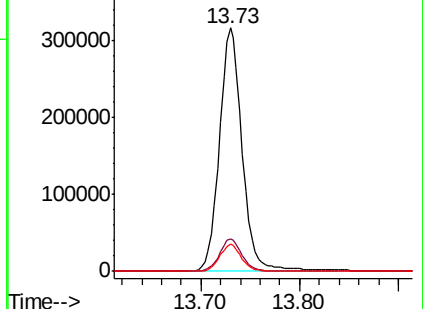
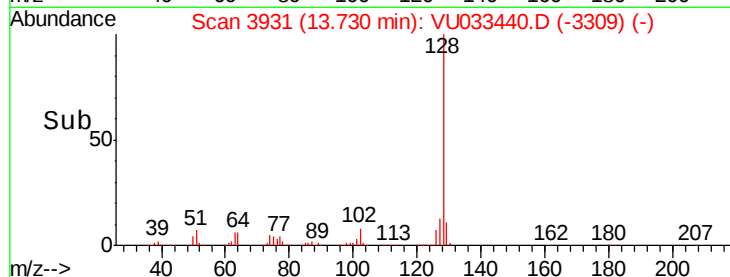
129 10.8 8.7 13.1



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: 55.411 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033440.D

Acq: 26 Jul 2019 09:09

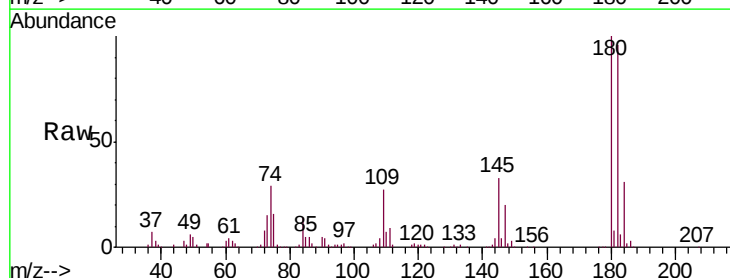
Tgt Ion:180 Resp: 170046

Ion Ratio Lower Upper

180 100

182 94.2 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

