

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081019\
 Data File : VU033739.D
 Acq On : 11 Aug 2019 01:56
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Aug 11 04:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:51:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	307021	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	304470	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117065	51.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.60%
7) Chloroethane-d5	1.67	69	95614	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.26	63	201517	53.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.06%
21) 2-Butanone-d5	4.14	46	157535	112.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	4.62	84	185769	55.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.64%
26) 1,2-Dichloroethane-d4	5.28	65	115237	54.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.78%
32) Benzene-d6	5.32	84	378294	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.30%
36) 1,2-Dichloropropane-d6	6.31	67	116307	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.50%
41) Toluene-d8	7.55	98	353834	52.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.70%
43) trans-1,3-Dichloropropene-	7.83	79	55587	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	124532	109.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.03%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	184353	56.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.04%
64) 1,2-Dichlorobenzene-d4	11.84	152	144576	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	115043	51.365 ug/L	100
3) Chloromethane	1.32	50	117419	50.616 ug/L	99
5) Vinyl chloride	1.40	62	141043	54.572 ug/L	98
6) Bromomethane	1.61	94	70129	33.445 ug/L	98
8) Chloroethane	1.69	64	88385	44.921 ug/L	100
9) Trichlorofluoromethane	1.87	101	191420	54.620 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	97352	52.968 ug/L	97
12) 1,1-Dichloroethene	2.27	96	93532	51.807 ug/L	96
13) Acetone	2.30	43	132144	93.803 ug/L	99
14) Carbon disulfide	2.46	76	269672	53.210 ug/L	100
15) Methyl Acetate	2.59	43	129746	55.277 ug/L	98
16) Methylene chloride	2.68	84	111816	53.377 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	100017	51.690 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	328061	51.837 ug/L	100
19) 1,1-Dichloroethane	3.42	63	195946	53.661 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	117833	53.388 ug/L	97
22) 2-Butanone	4.23	43	195485	111.491 ug/L	96

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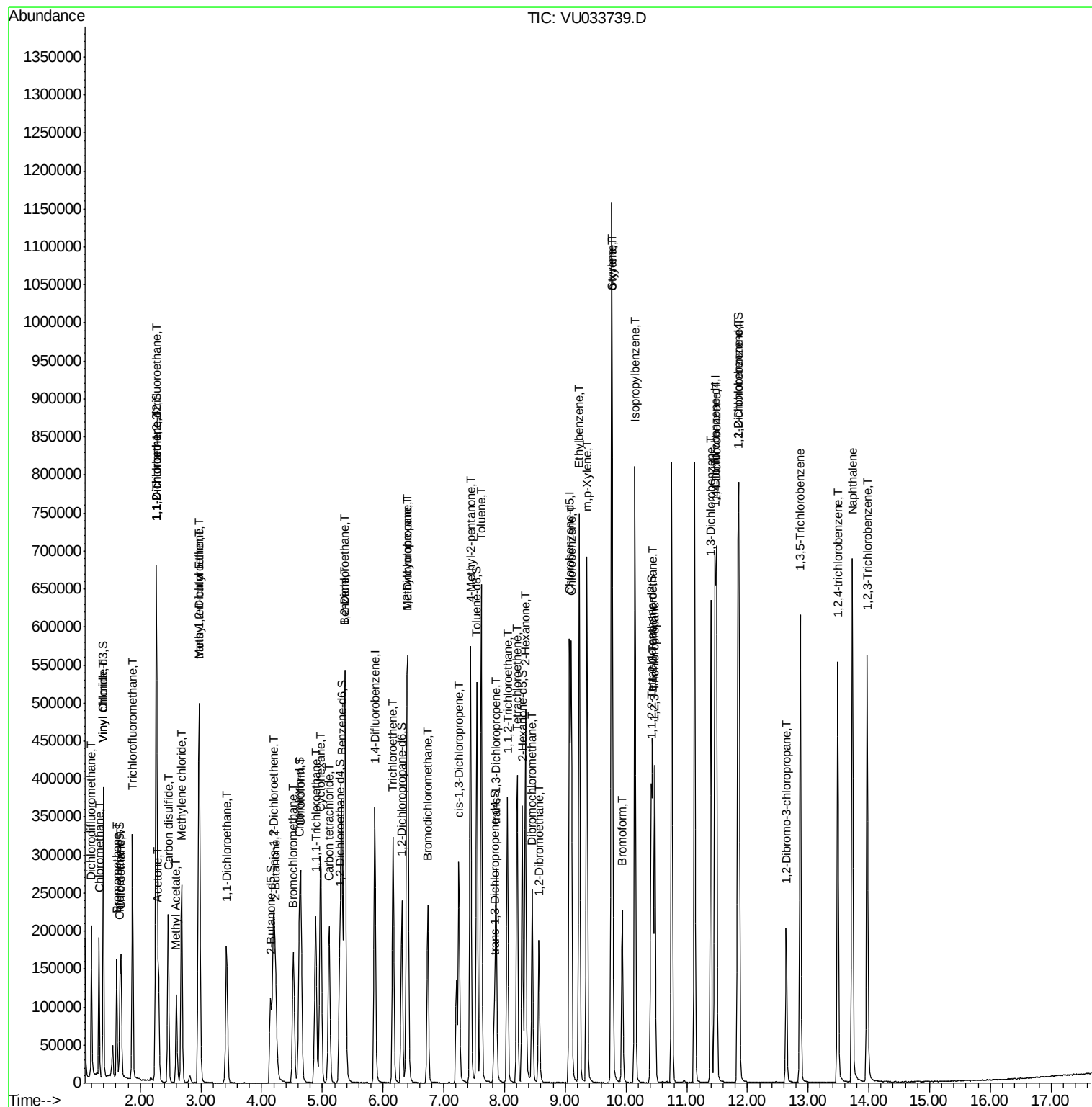
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	59596	52.479	ug/L	93
25) Chloroform	4.65	83	207065	54.361	ug/L	99
27) 1,2-Dichloroethane	5.38	62	157488	54.287	ug/L	98
29) Cyclohexane	4.97	56	157024	48.872	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	170667	51.655	ug/L	99
31) Carbon tetrachloride	5.11	117	151308	51.044	ug/L	97
33) Benzene	5.37	78	433563	51.169	ug/L	100
34) Trichloroethene	6.16	95	111888	50.046	ug/L	94
35) Methylcyclohexane	6.39	83	169559	49.824	ug/L	98
37) 1,2-Dichloropropane	6.41	63	119725	52.945	ug/L	100
38) Bromodichloromethane	6.74	83	152228	52.391	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	175816	48.925	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	366924	109.105	ug/L	100
42) Toluene	7.62	91	476732	52.008	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	159596	49.853	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	114831	51.946	ug/L	98
46) Tetrachloroethene	8.21	164	90347	49.023	ug/L	98
48) 2-Hexanone	8.34	43	293999	111.025	ug/L	99
49) Dibromochloromethane	8.46	129	130108	52.528	ug/L	98
50) 1,2-Dibromoethane	8.57	107	125832	51.484	ug/L	100
51) Chlorobenzene	9.10	112	308805	51.250	ug/L	98
52) Ethylbenzene	9.23	91	517320	51.590	ug/L	99
53) m,p-Xylene	9.36	106	197112	51.496	ug/L	98
54) o-xylene	9.76	106	196199	51.859	ug/L	99
55) Styrene	9.77	104	343318	54.078	ug/L	99
56) Isopropylbenzene	10.15	105	510159	51.384	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	213193	54.899	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	167692	54.855	ug/L	99
61) Bromoform	9.94	173	102777	50.911	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	256114	50.028	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	260840	50.302	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	259101	51.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	51665	54.033	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	195680	48.032	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	175266	47.553	ug/L	98
69) Naphthalene	13.73	128	555012	50.274	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	183760	48.227	ug/L	98

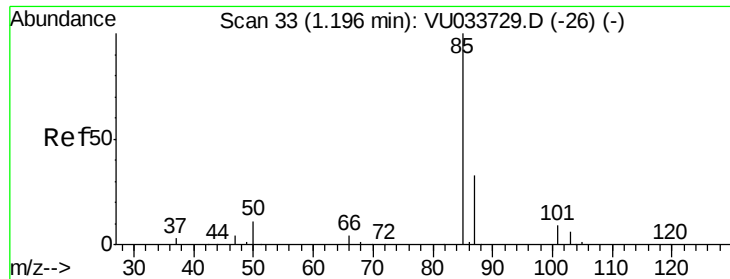
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.365 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

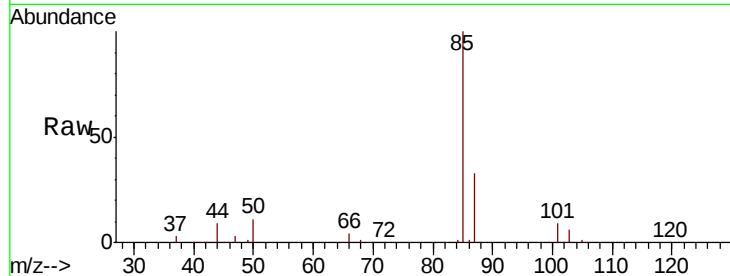
VSTD05060

Tgt Ion: 85 Resp: 115043

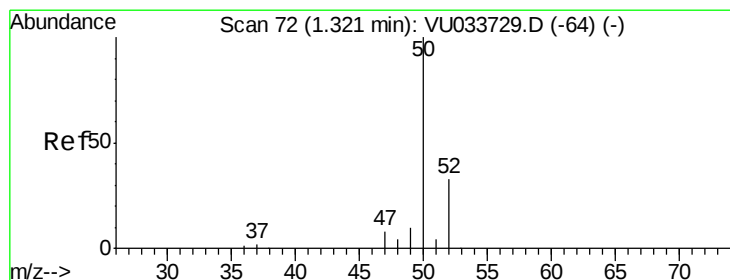
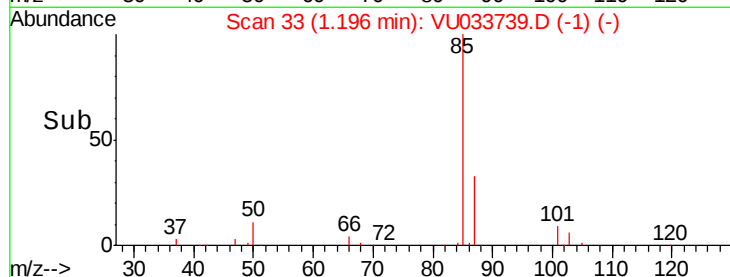
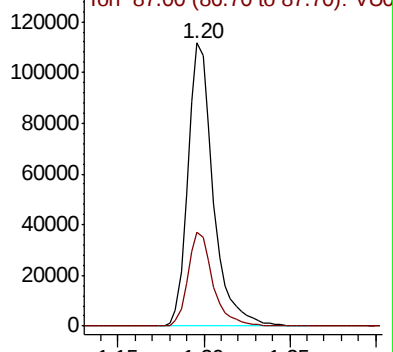
Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033739.D (-1) (-)



#3

Chloromethane

Concen: 50.616 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033739.D

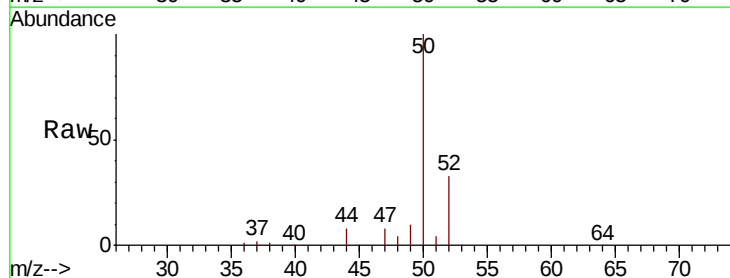
Acq: 11 Aug 2019 01:56

Tgt Ion: 50 Resp: 117419

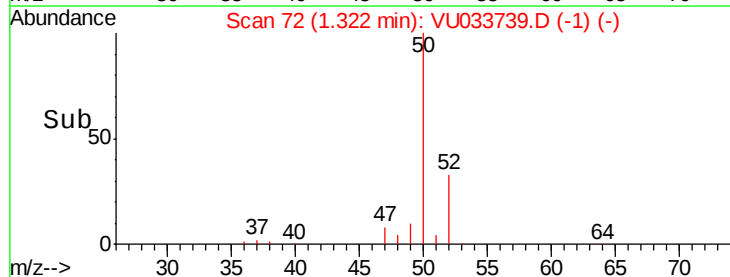
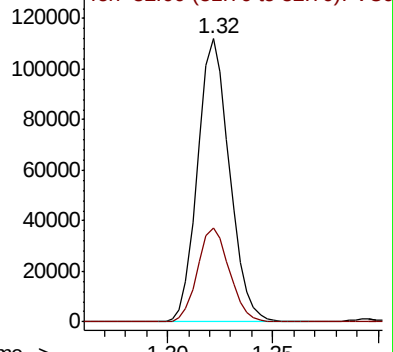
Ion Ratio Lower Upper

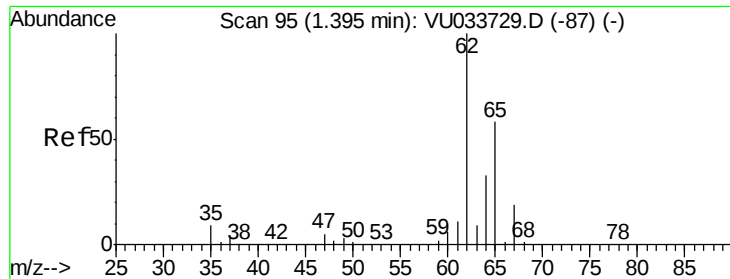
50 100

52 33.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033739.D (-1) (-)





#5

Vinyl chloride

Concen: 54.572 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

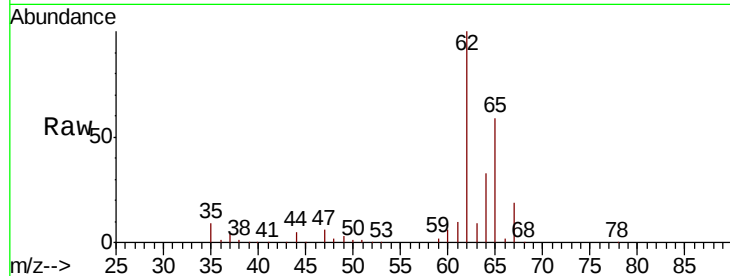
VSTD05060

Tgt Ion: 62 Resp: 141043

Ion Ratio Lower Upper

62 100

64 32.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033739.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033739.D (-87) (-)

150000

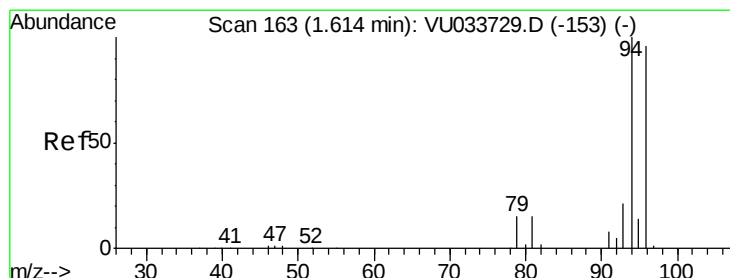
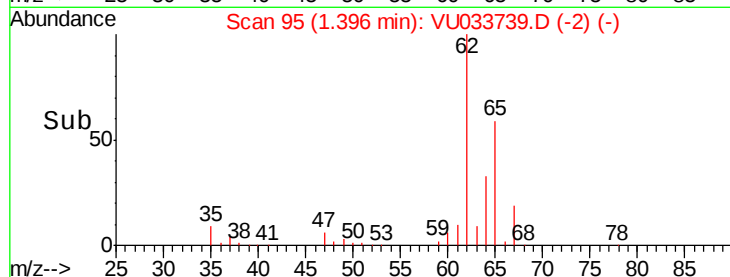
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 33.445 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU033739.D

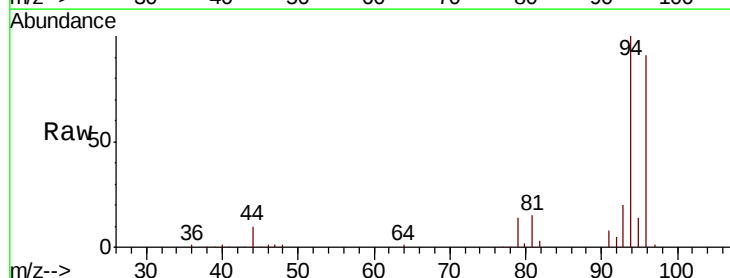
Acq: 11 Aug 2019 01:56

Tgt Ion: 94 Resp: 70129

Ion Ratio Lower Upper

94 100

96 91.1 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU033739.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033739.D (-153) (-)

60000

50000

40000

30000

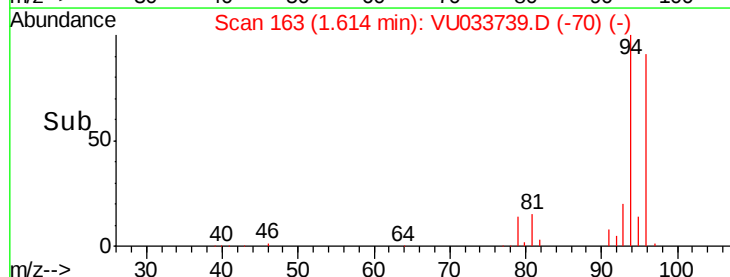
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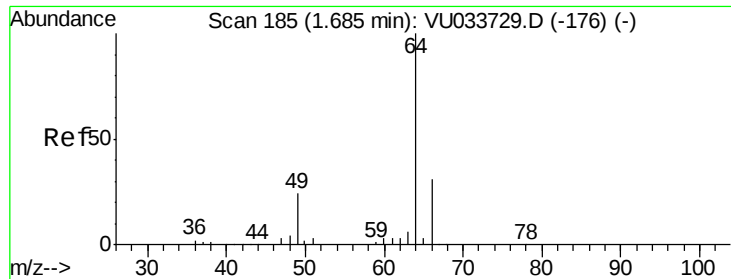
10000

0

1.55 1.60 1.65 1.70

Time-->

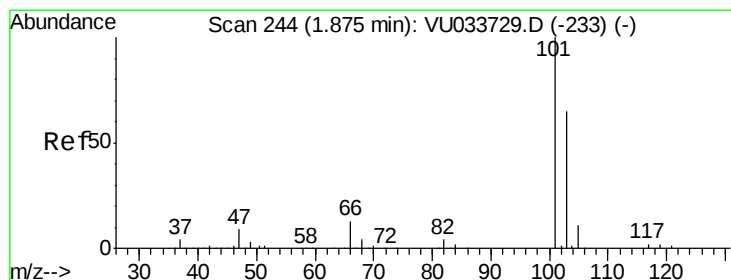
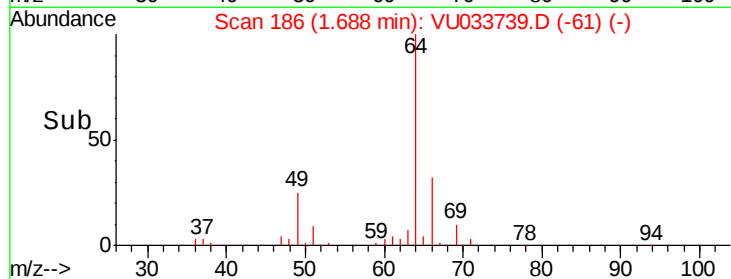
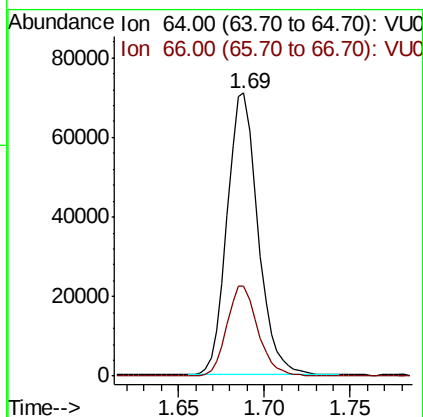
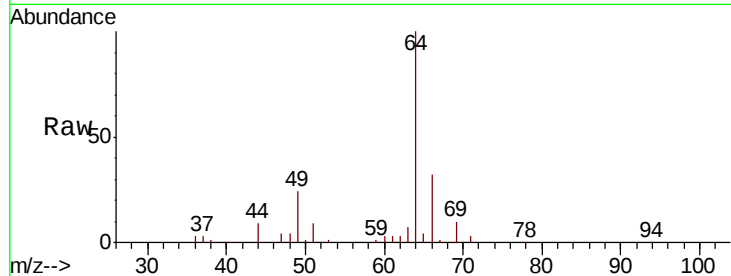




#8
Chloroethane
Concen: 44.921 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

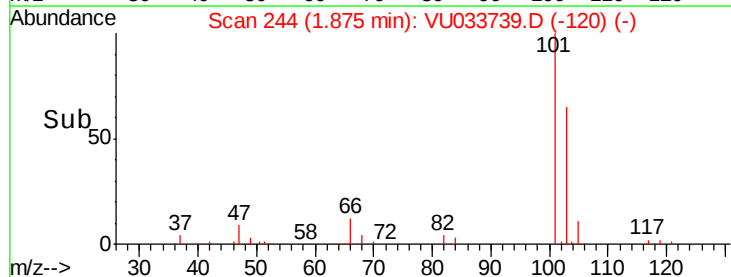
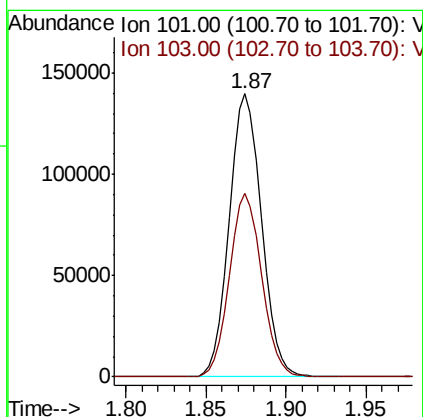
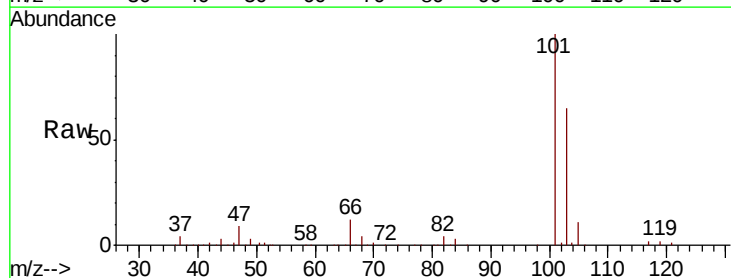
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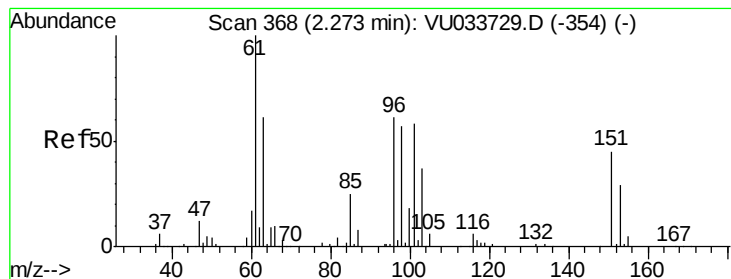
Tgt Ion: 64 Resp: 88385
Ion Ratio Lower Upper
64 100
66 31.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 54.620 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion: 101 Resp: 191420
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6





#10

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

Concen: 52.968 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

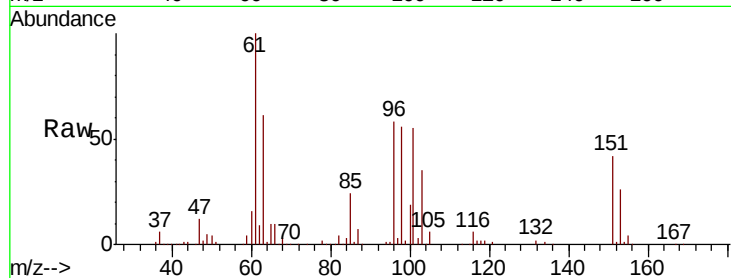
Tgt Ion: 101 Resp: 97352

Ion Ratio Lower Upper

101 100

85 44.2 34.5 51.7

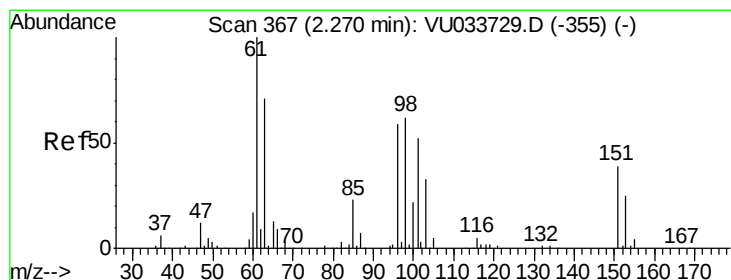
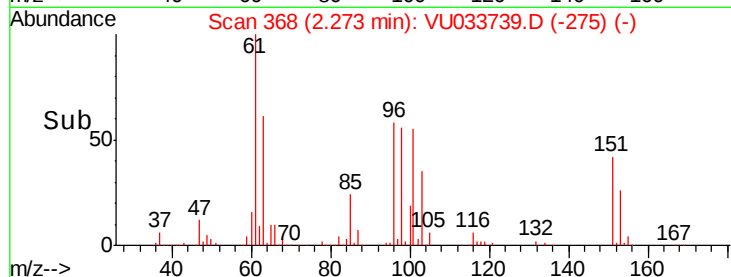
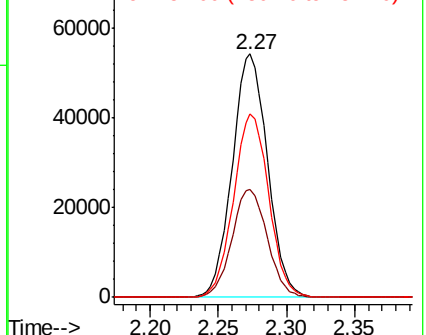
151 75.1 63.0 94.4



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: 51.807 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

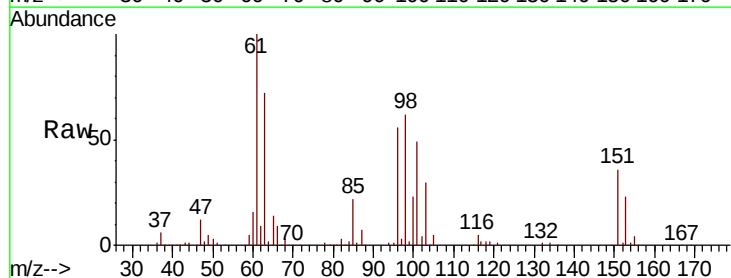
Tgt Ion: 96 Resp: 93532

Ion Ratio Lower Upper

96 100

61 177.0 118.2 219.6

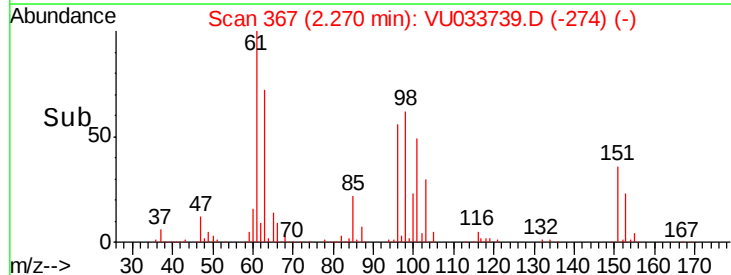
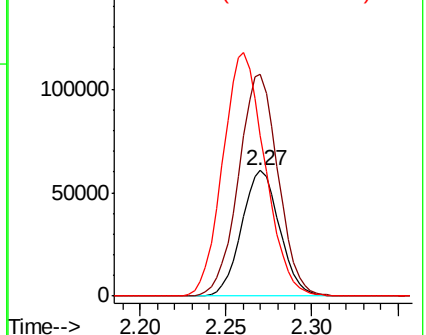
63 128.3 90.7 168.5

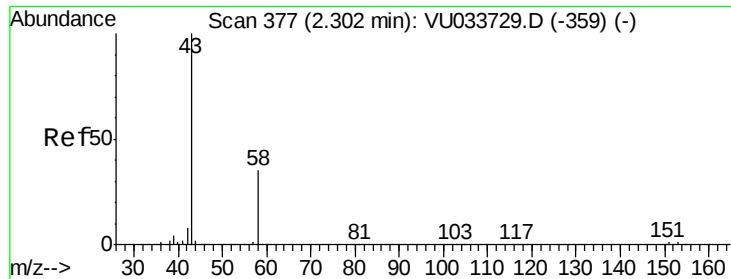


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.803 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

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ClientSampleId :

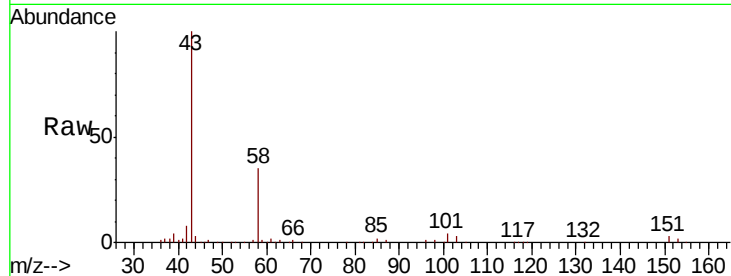
VSTD05060

Tgt Ion: 43 Resp: 132144

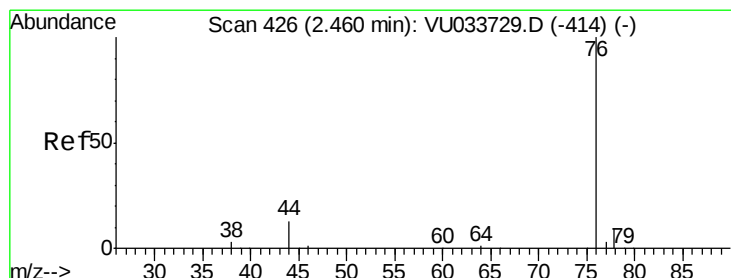
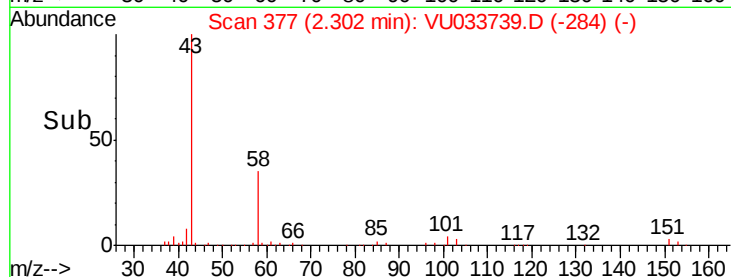
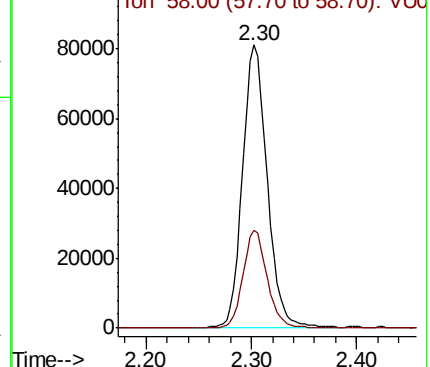
Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU033739.D (-359) (-)



#14

Carbon disulfide

Concen: 53.210 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033739.D

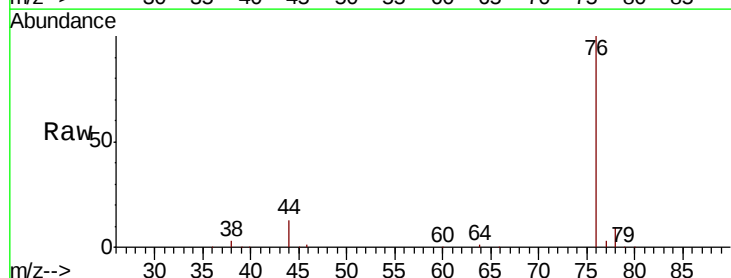
Acq: 11 Aug 2019 01:56

Tgt Ion: 76 Resp: 269672

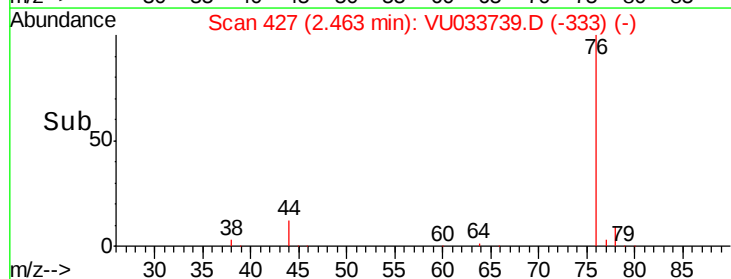
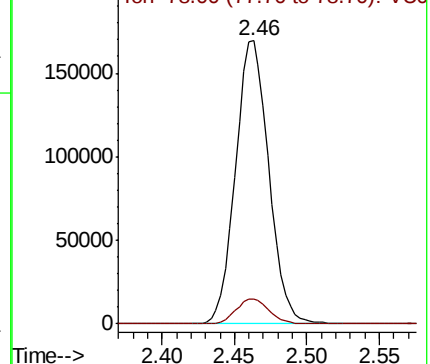
Ion Ratio Lower Upper

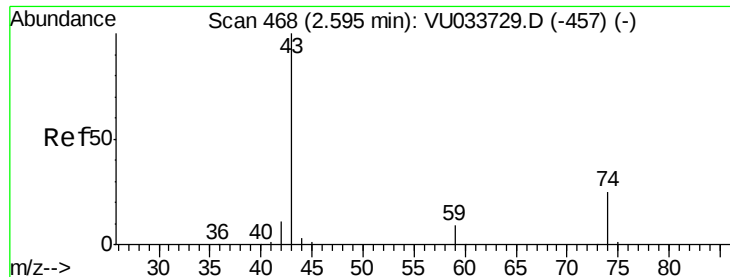
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033739.D (-414) (-)

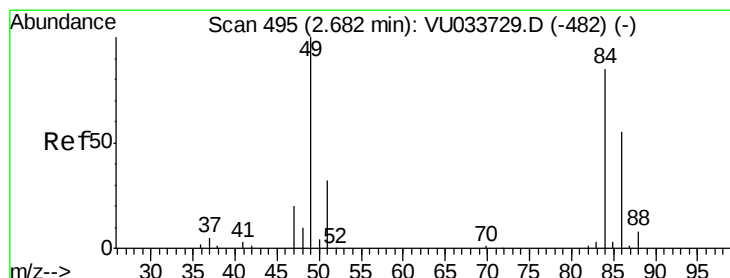
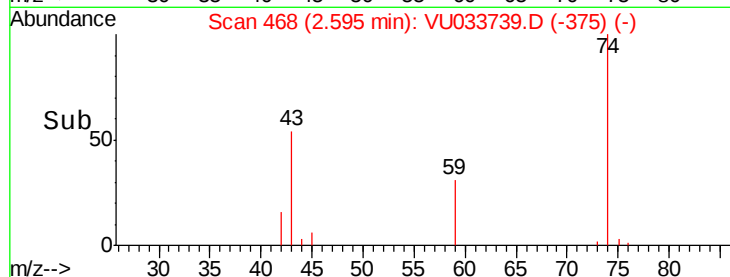
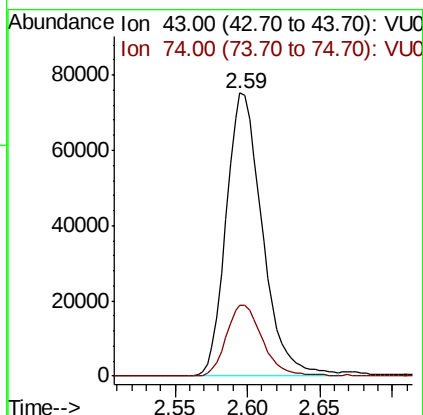
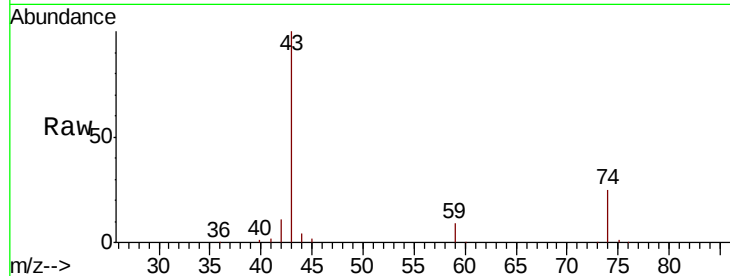




#15
Methyl Acetate
Concen: 55.277 ug/L
RT: 2.59 min Scan# 468
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

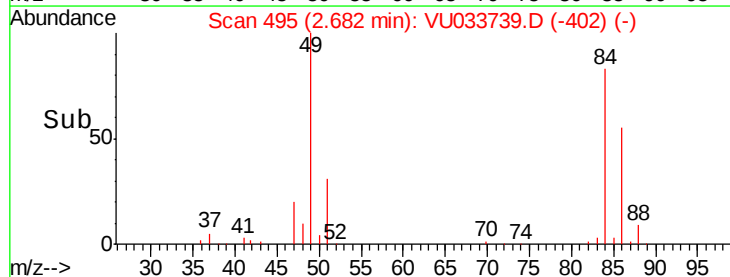
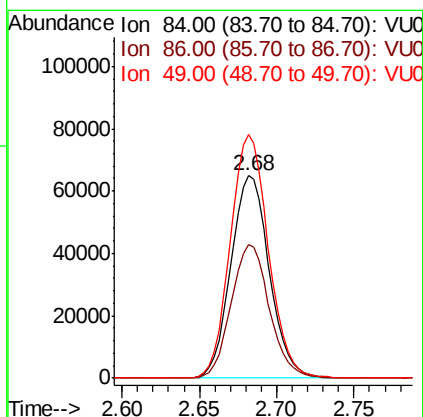
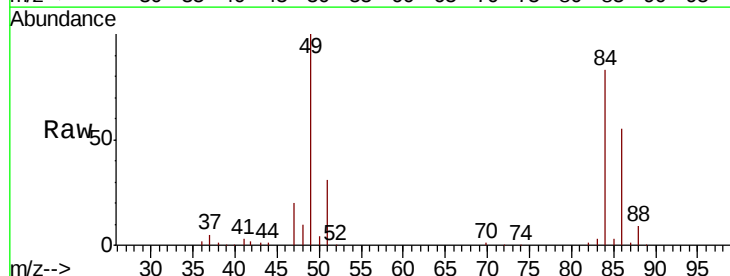
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

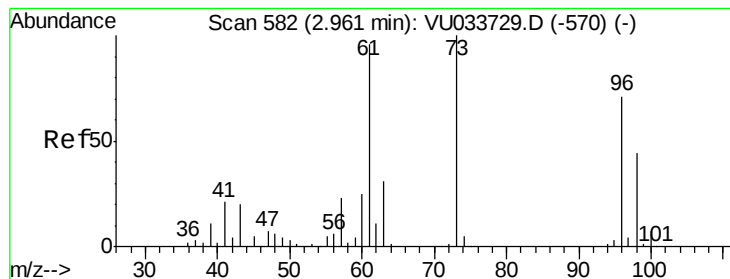
Tgt Ion: 43 Resp: 129746
Ion Ratio Lower Upper
43 100
74 25.2 20.8 31.2



#16
Methylene chloride
Concen: 53.377 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion: 84 Resp: 111816
Ion Ratio Lower Upper
84 100
86 65.7 44.3 82.3
49 120.3 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 51.690 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

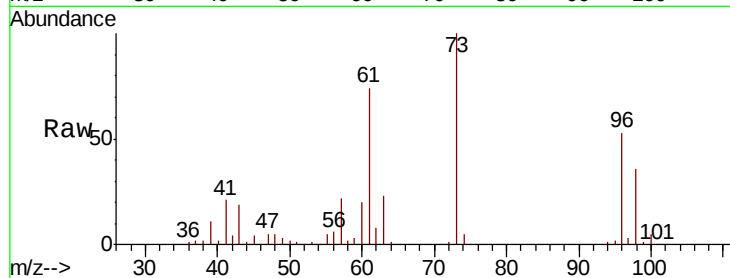
Tgt Ion: 96 Resp: 100017

Ion Ratio Lower Upper

96 100

61 140.3 95.6 177.6

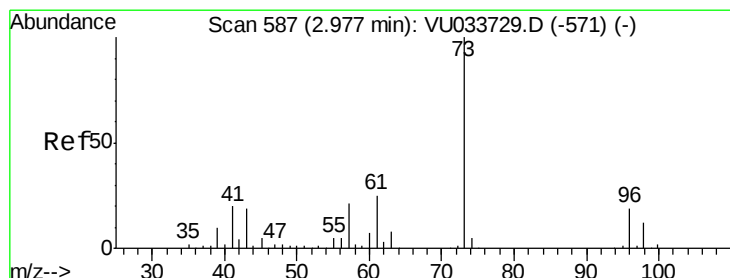
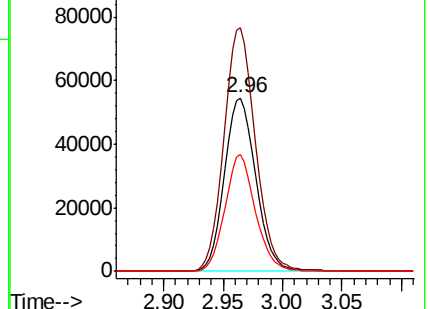
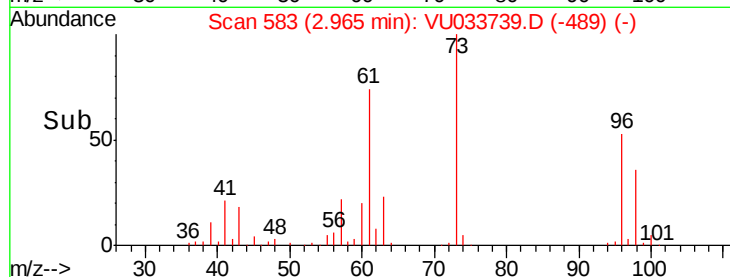
98 67.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033739.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033739.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033739.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 51.837 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

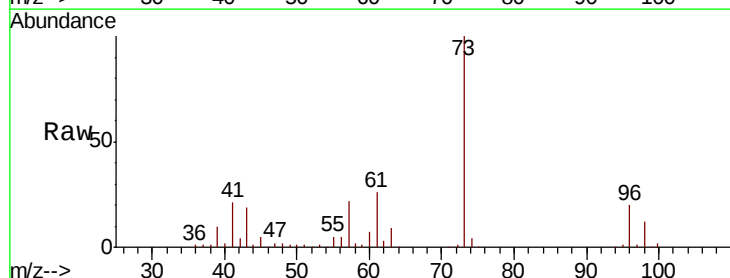
Tgt Ion: 73 Resp: 328061

Ion Ratio Lower Upper

73 100

43 18.7 15.1 22.7

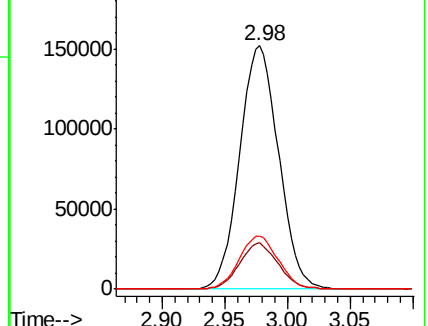
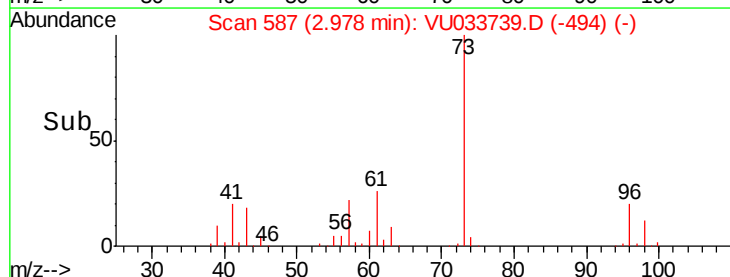
57 21.8 17.4 26.0

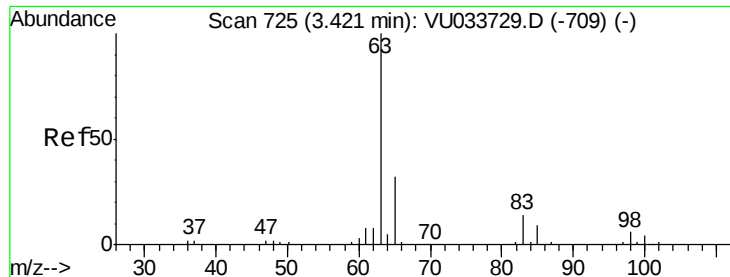


Abundance Ion 73.00 (72.70 to 73.70): VU033739.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033739.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033739.D (-494) (-)

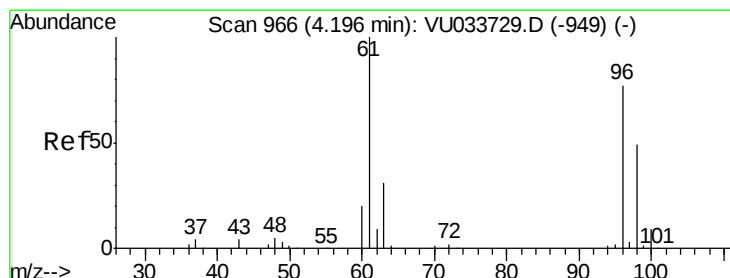
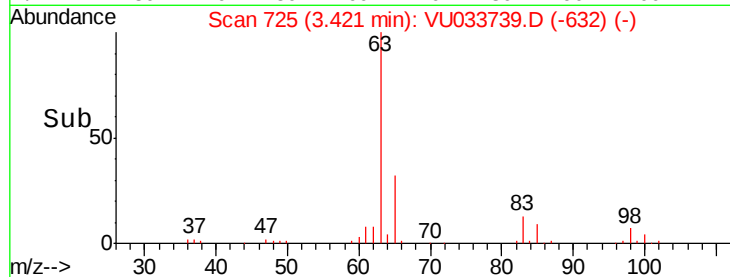
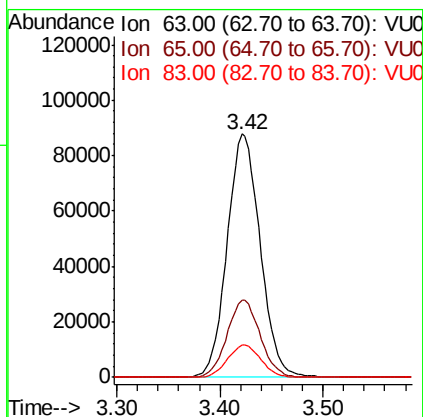
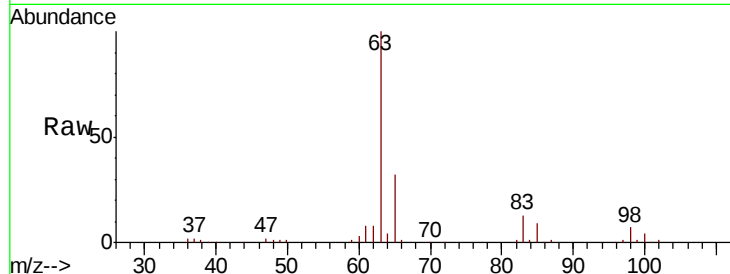




#19
 1,1-Dichloroethane
 Concen: 53.661 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

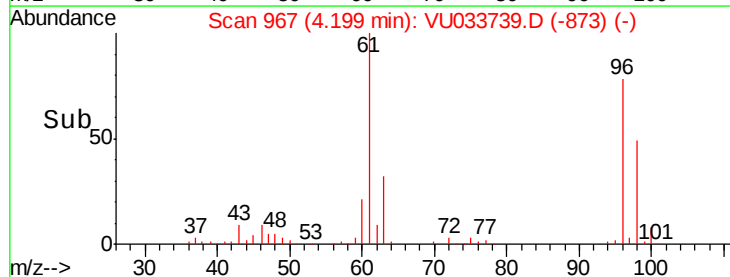
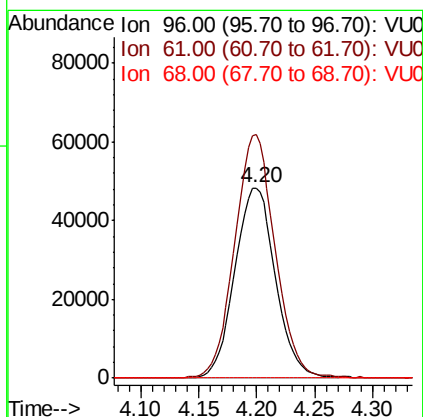
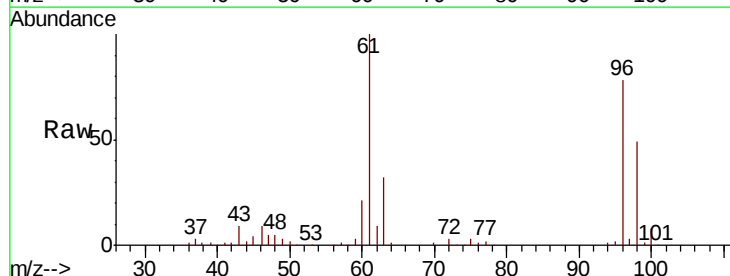
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

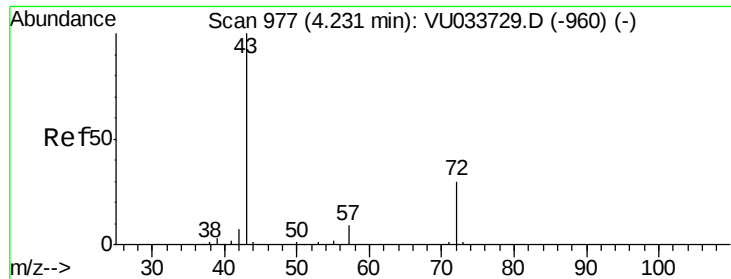
Tgt Ion: 63 Resp: 195946
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.3
 83 13.2 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 53.388 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion: 96 Resp: 117833
 Ion Ratio Lower Upper
 96 100
 61 127.9 87.0 161.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.491 ug/L

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

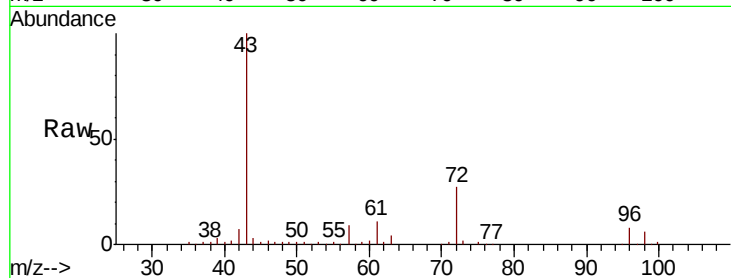
VSTD05060

Tgt Ion: 43 Resp: 195485

Ion Ratio Lower Upper

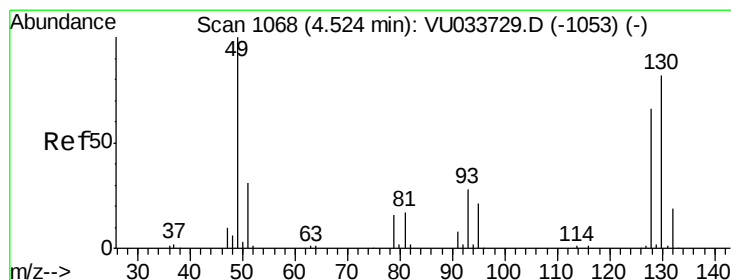
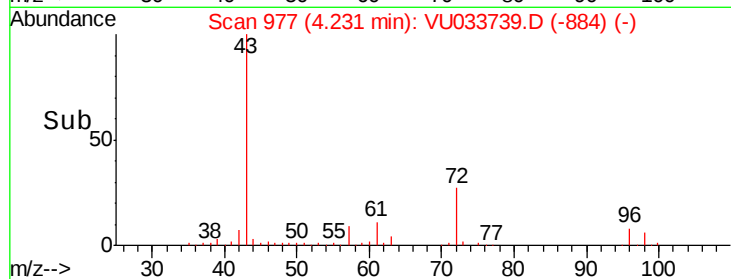
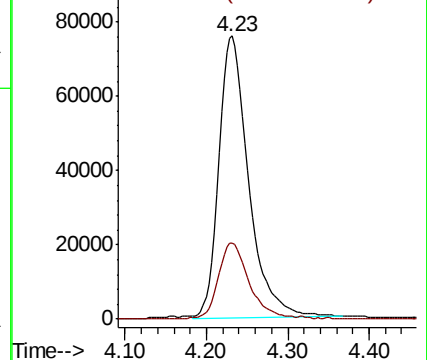
43 100

72 28.2 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU033739.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033739.D (-960) (-)



#23

Bromochloromethane

Concen: 52.479 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Tgt Ion: 128 Resp: 59596

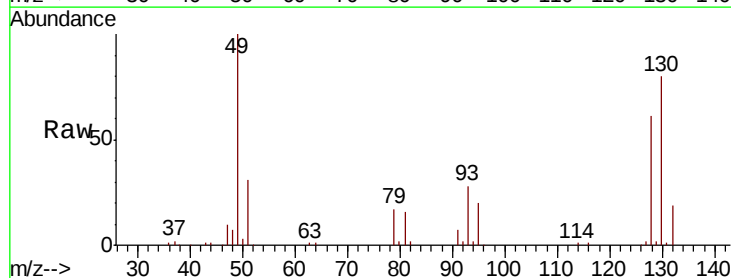
Ion Ratio Lower Upper

128 100

49 163.3 104.7 194.4

130 130.2 89.6 166.4

51 51.4 37.4 56.0

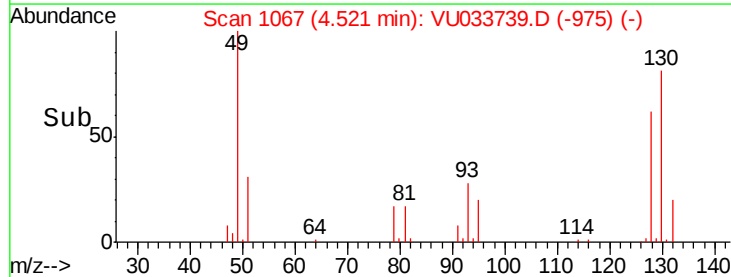
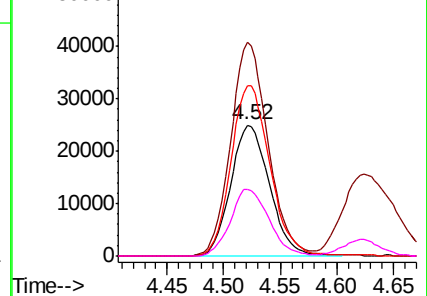


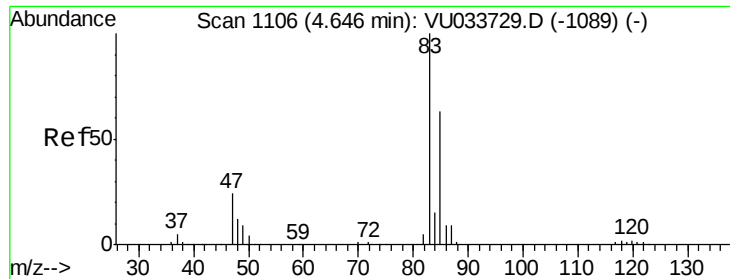
Abundance Ion 128.00 (127.70 to 128.70): VU033739.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033739.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033739.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033739.D (-1053) (-)

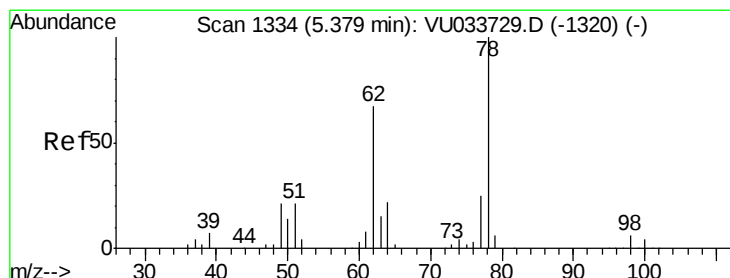
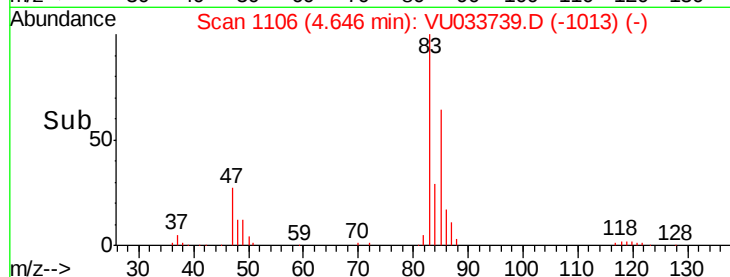
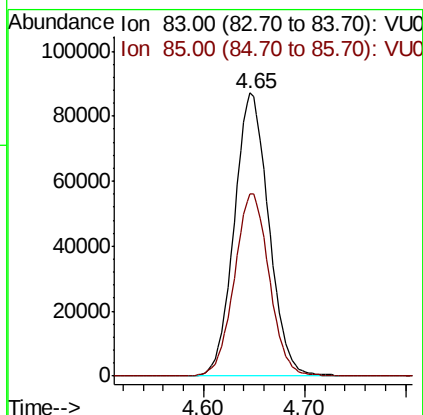
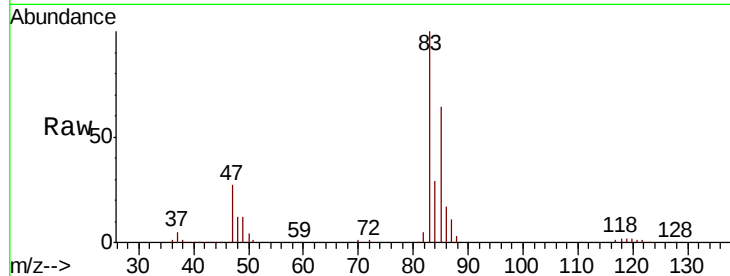




#25
Chloroform
Concen: 54.361 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

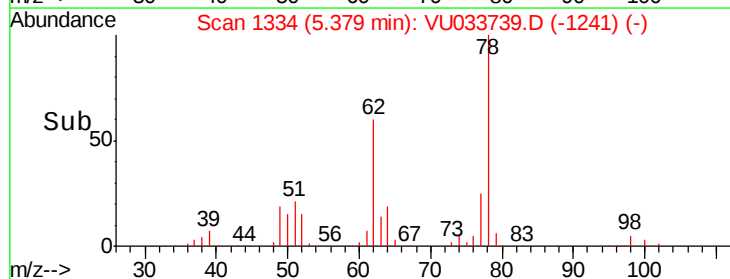
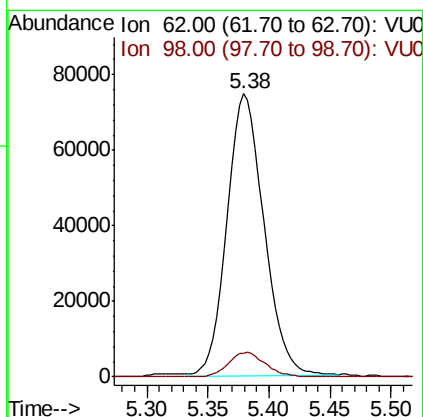
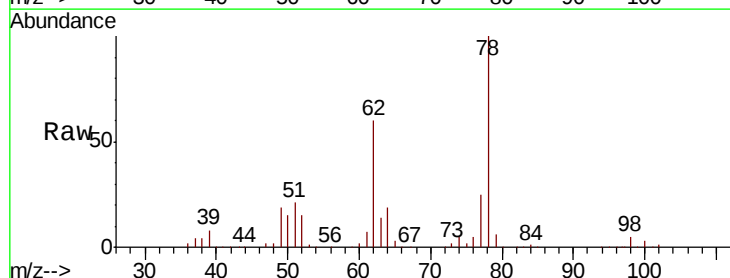
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

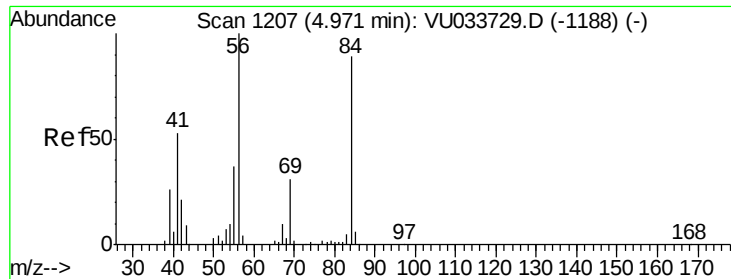
Tgt Ion: 83 Resp: 207065
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 54.287 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion: 62 Resp: 157488
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.2

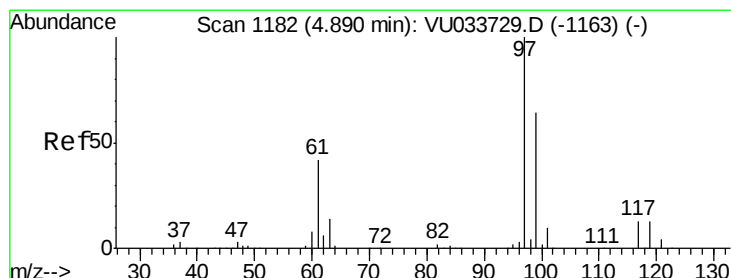
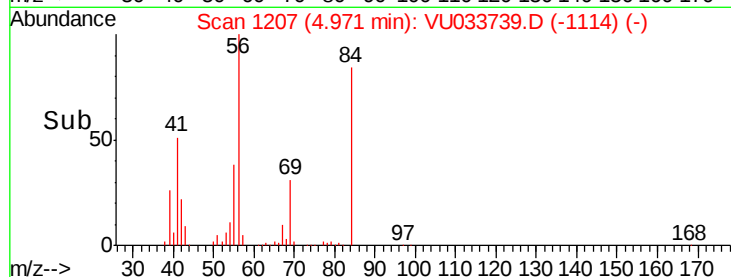
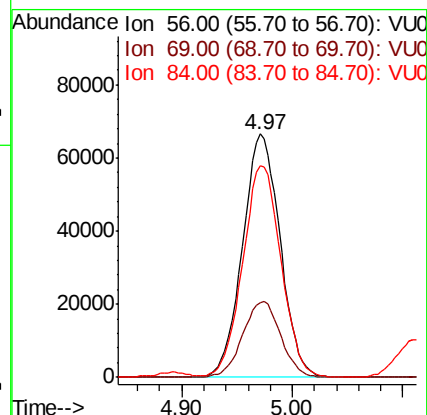
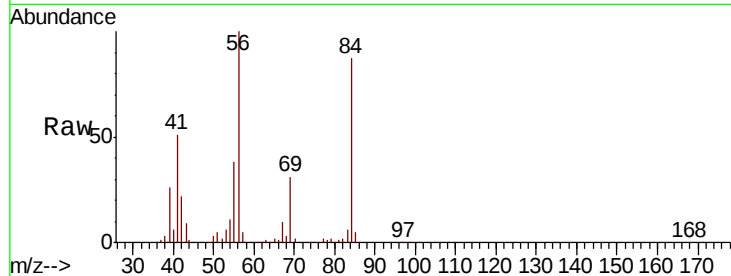




#29
Cyclohexane
Concen: 48.872 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

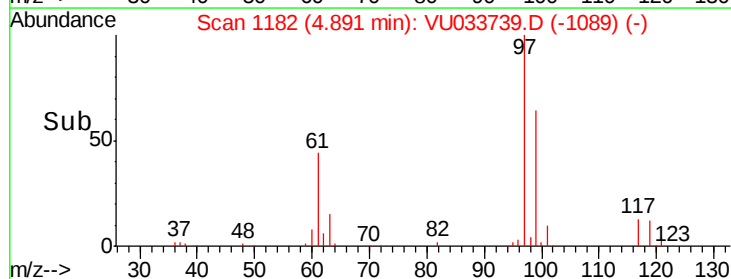
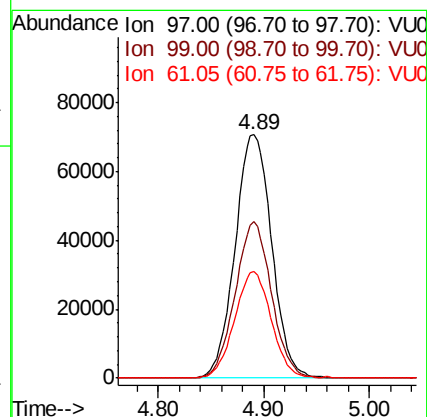
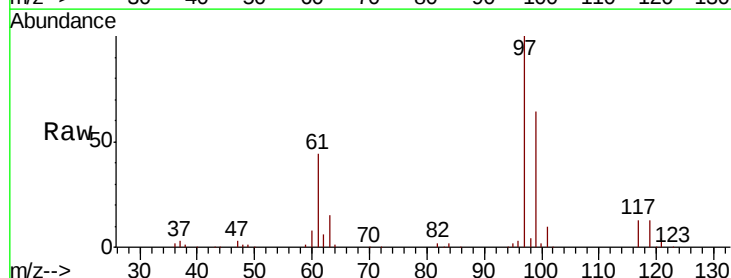
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

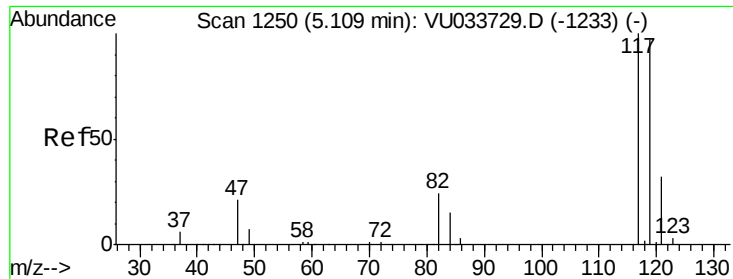
Tgt Ion: 56 Resp: 157024
Ion Ratio Lower Upper
56 100
69 31.4 25.3 37.9
84 88.7 71.8 107.8



#30
1,1,1-Trichloroethane
Concen: 51.655 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion: 97 Resp: 170667
Ion Ratio Lower Upper
97 100
99 63.7 52.0 78.0
61 43.8 35.0 52.4

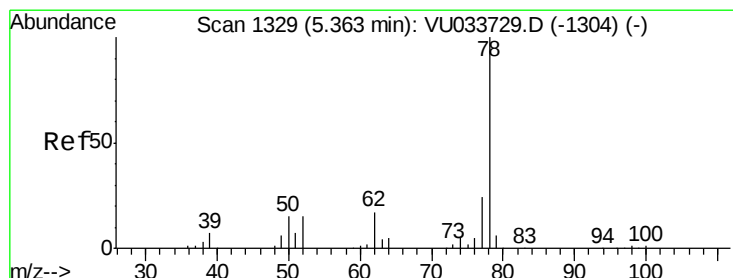
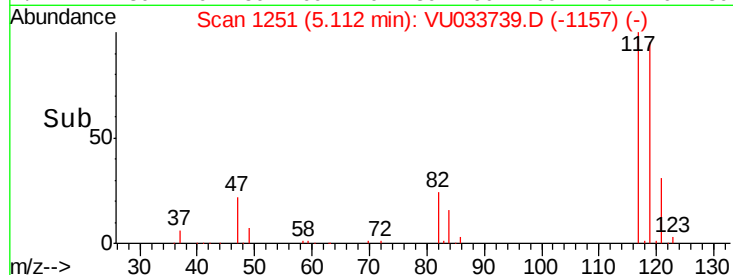
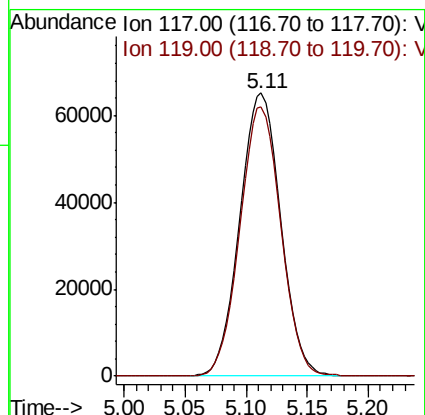
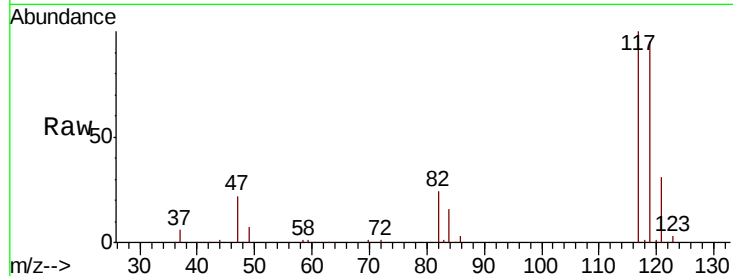




#31
Carbon tetrachloride
Concen: 51.044 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

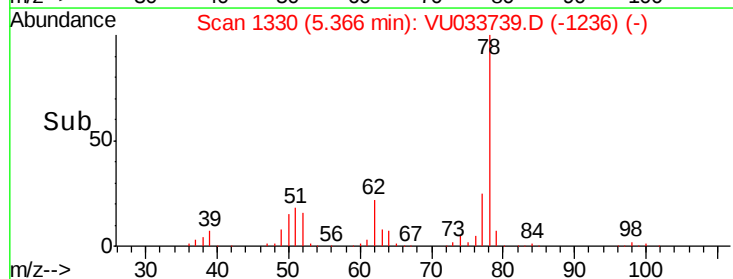
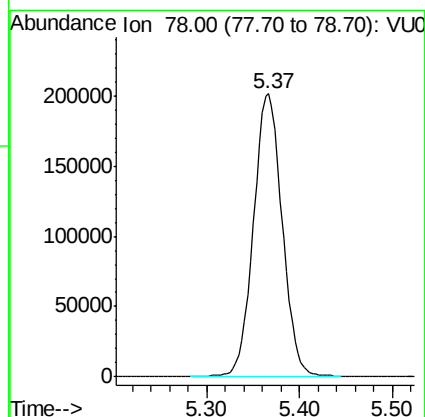
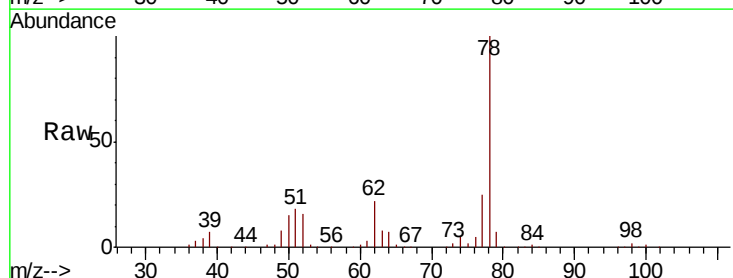
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

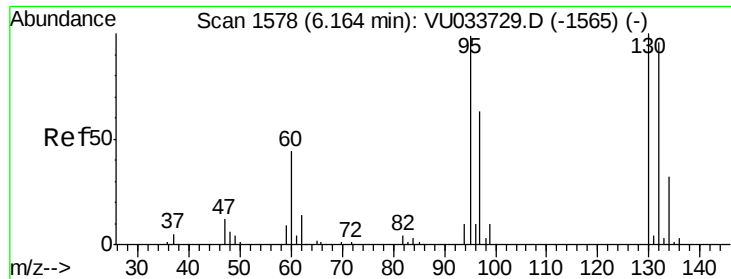
Tgt Ion:117 Resp: 151308
Ion Ratio Lower Upper
117 100
119 95.1 78.2 117.4



#33
Benzene
Concen: 51.169 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion: 78 Resp: 433563

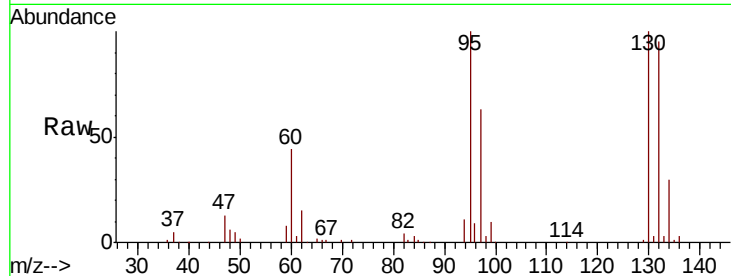




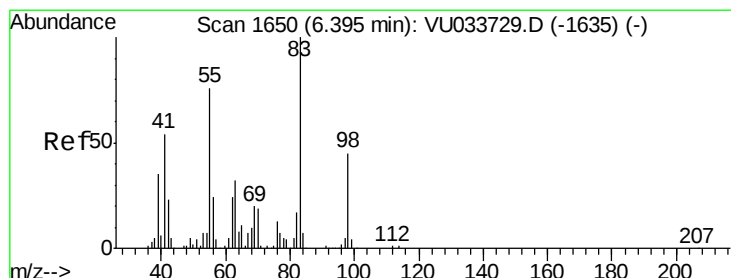
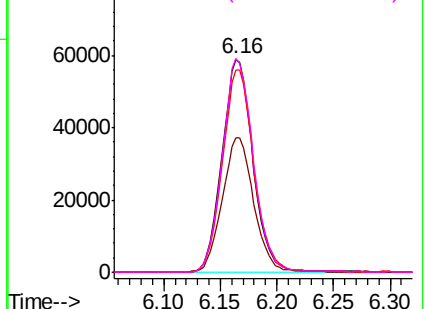
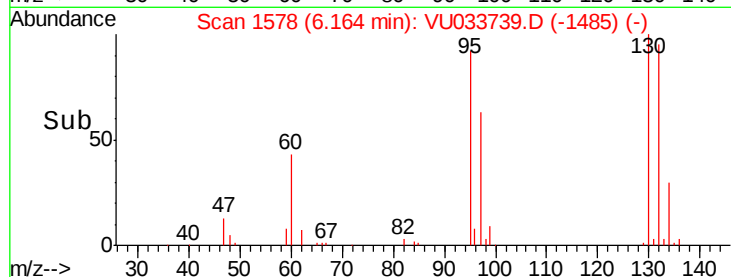
#34
 Trichloroethene
 Concen: 50.046 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion: 95 Resp: 111888
 Ion Ratio Lower Upper
 95 100
 97 63.1 45.6 84.8
 132 95.3 72.0 133.8
 130 100.4 74.3 138.1

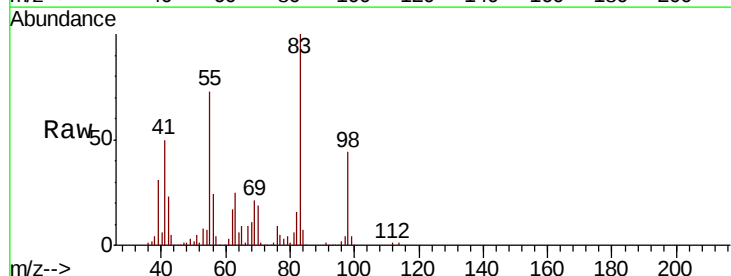


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

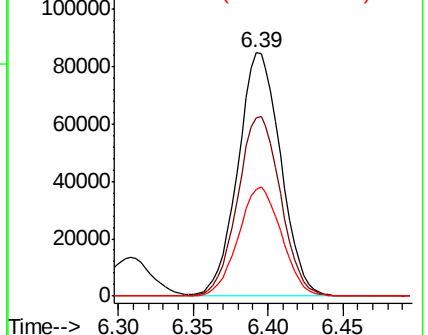
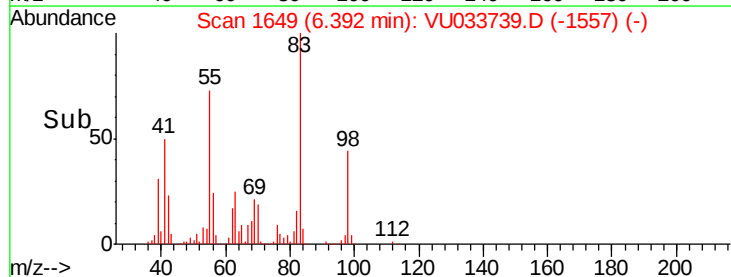


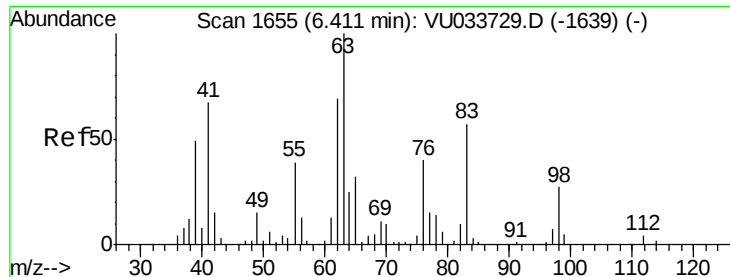
#35
 Methylcyclohexane
 Concen: 49.824 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion: 83 Resp: 169559
 Ion Ratio Lower Upper
 83 100
 55 74.0 58.1 87.1
 98 45.2 36.8 55.2



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

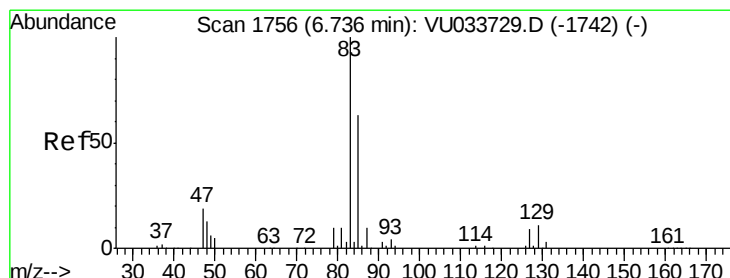
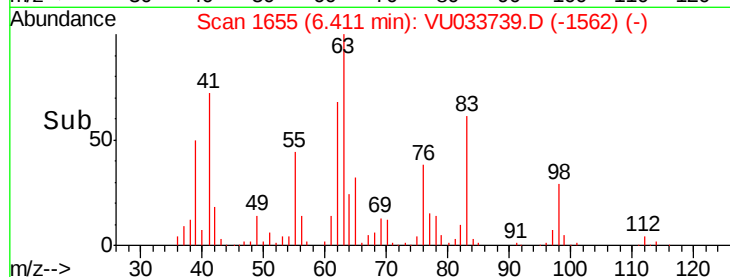
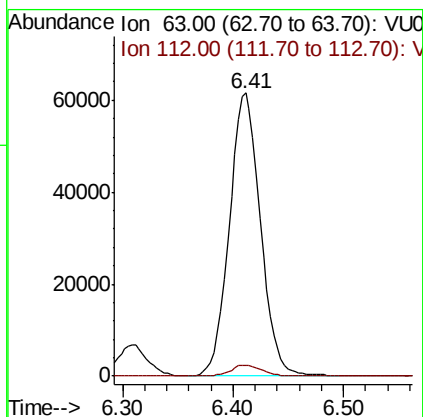
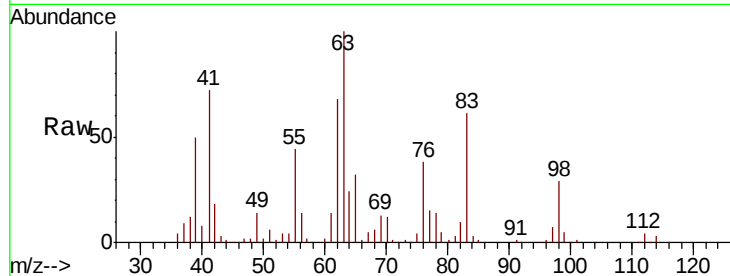




#37
 1,2-Dichloropropane
 Concen: 52.945 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

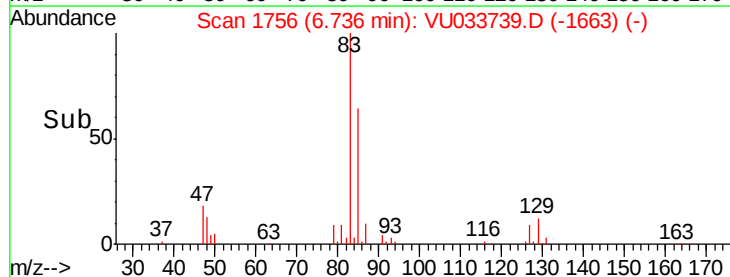
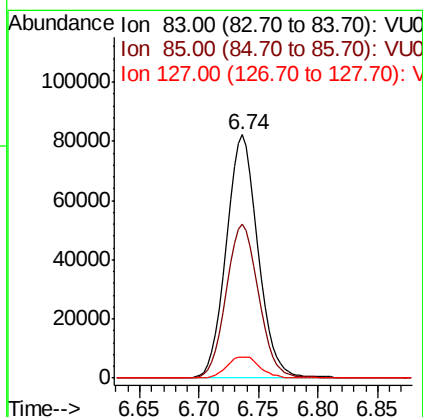
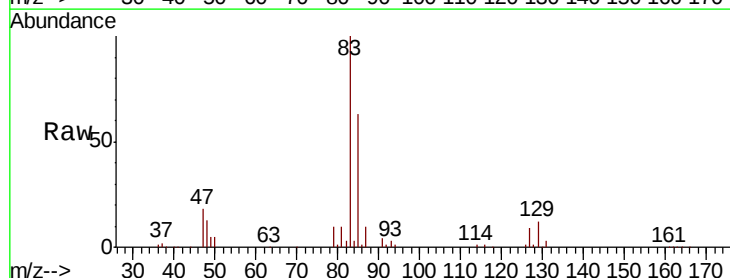
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

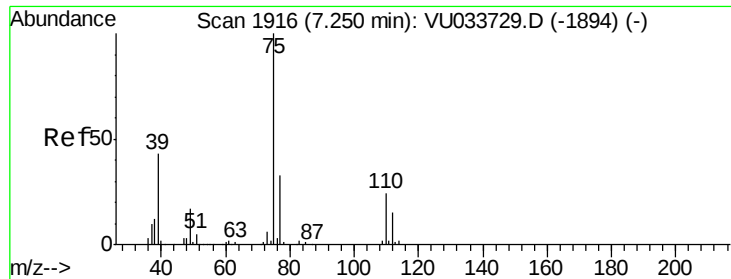
Tgt Ion: 63 Resp: 119725
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.391 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion: 83 Resp: 152228
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.2 82.0
 127 8.8 6.8 10.2



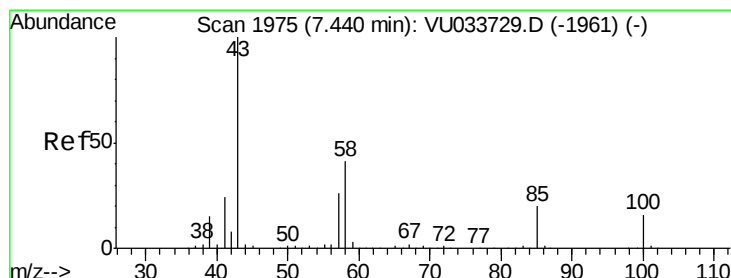
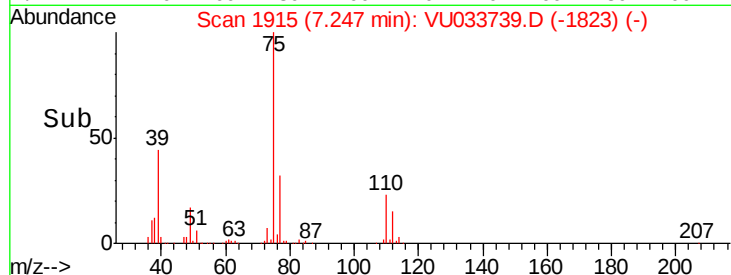
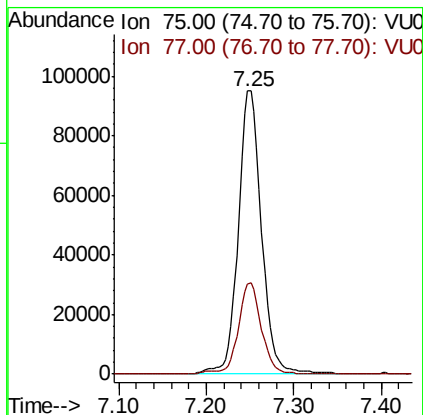
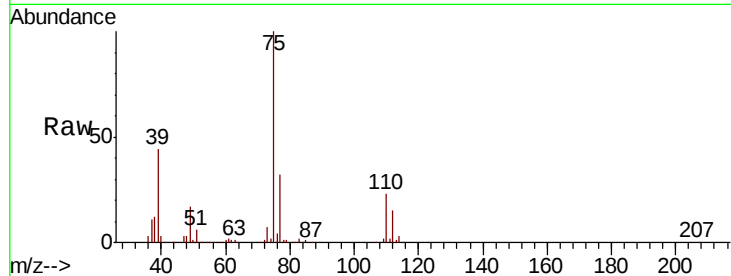


#39

cis-1,3-Dichloropropene
 Concen: 48.925 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

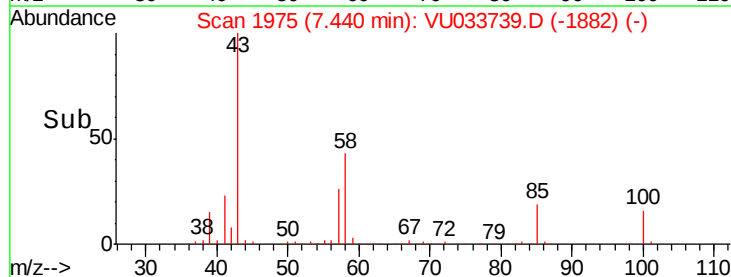
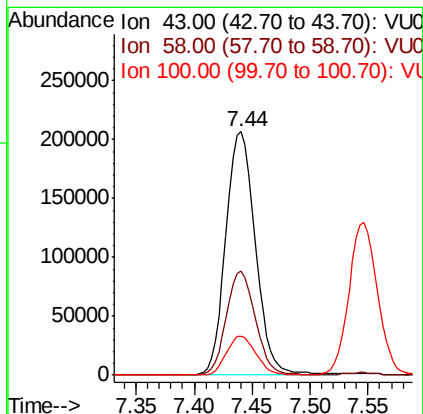
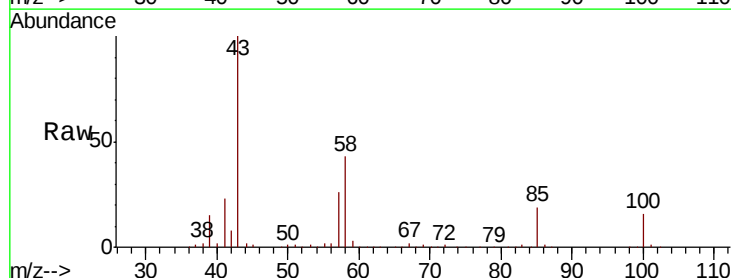
Tgt Ion: 75 Resp: 175816
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.7 40.3

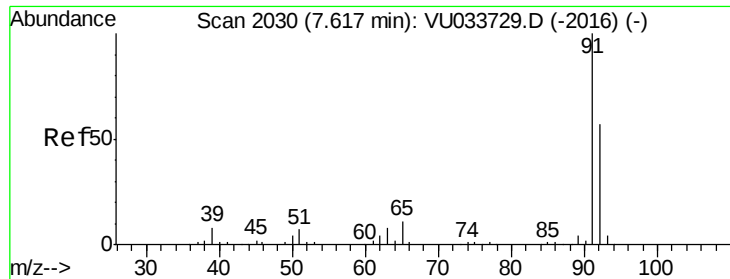


#40

4-Methyl-2-pentanone
 Concen: 109.105 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion: 43 Resp: 366924
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.0
 100 15.9 13.2 19.8





#42

Toluene

Concen: 52.008 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

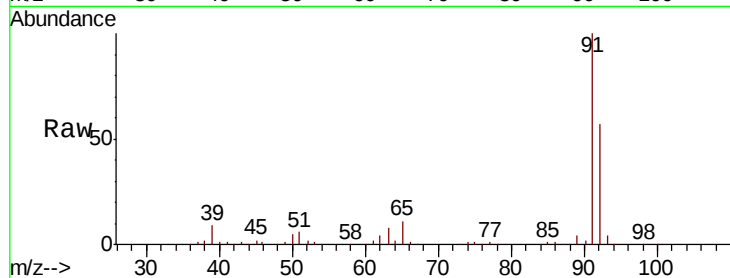
VSTD05060

Tgt Ion: 91 Resp: 476732

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033739.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033739.D (-2016) (-)

7.62

300000

250000

200000

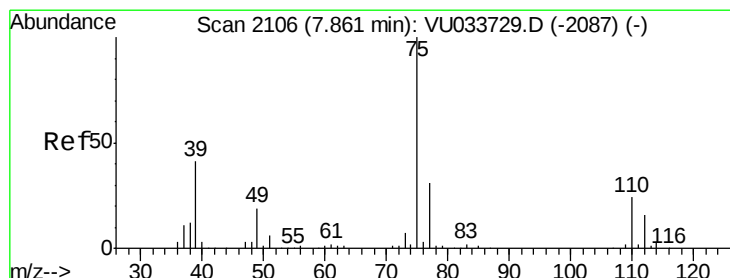
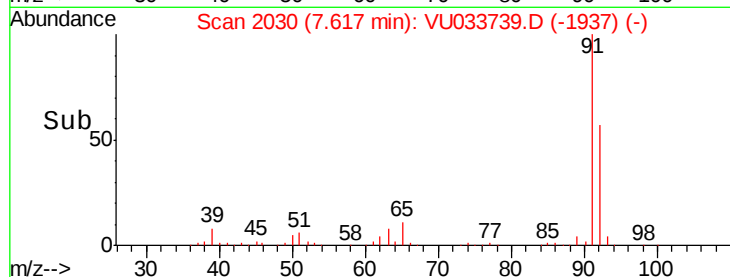
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.853 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033739.D

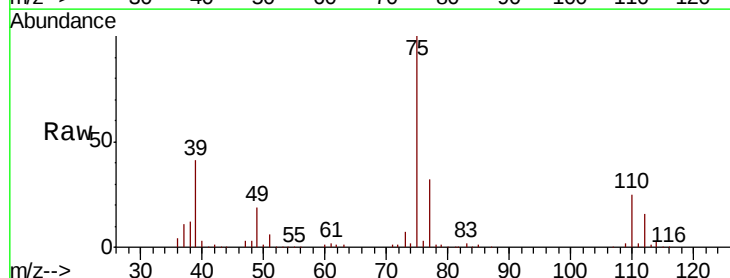
Acq: 11 Aug 2019 01:56

Tgt Ion: 75 Resp: 159596

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033729.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU033729.D (-2087) (-)

7.86

100000

80000

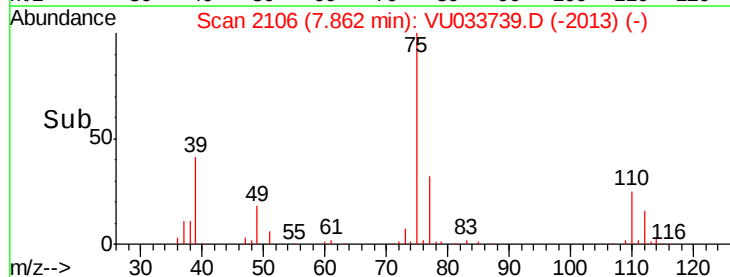
60000

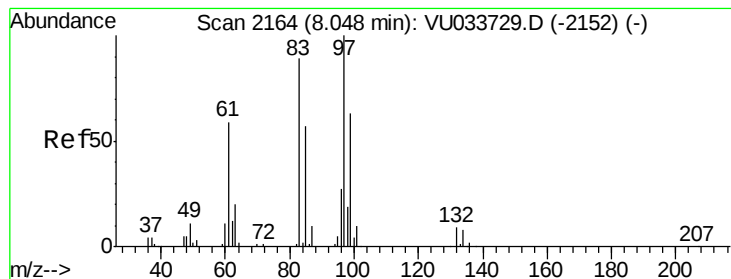
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.946 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 97 Resp: 114831

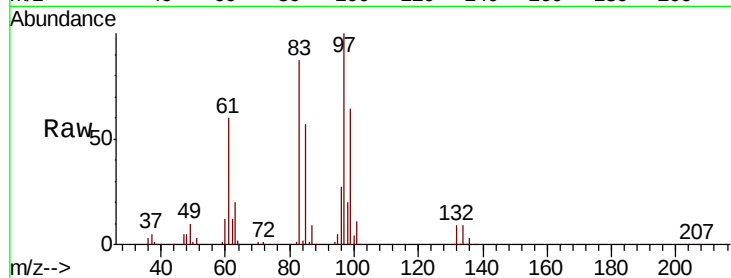
Ion Ratio Lower Upper

97 100

99 63.9 43.3 80.5

83 86.8 60.5 112.5

85 57.4 38.9 72.3

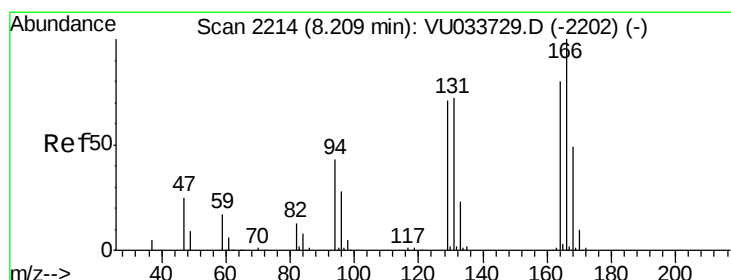
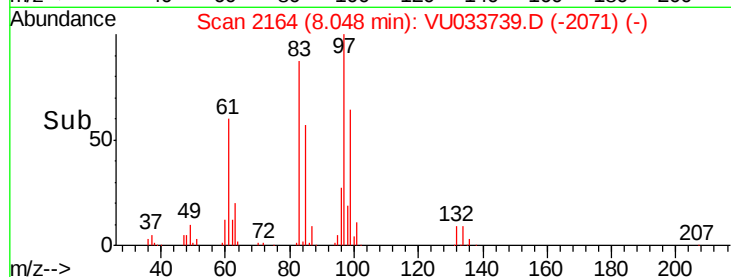
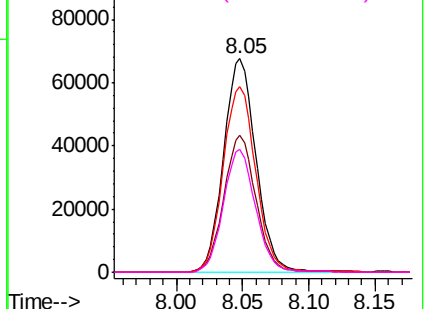


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.023 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Tgt Ion: 164 Resp: 90347

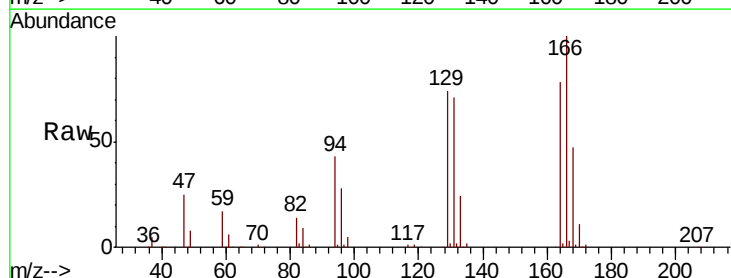
Ion Ratio Lower Upper

164 100

129 94.1 65.5 121.7

131 91.3 63.6 118.0

166 127.9 92.7 172.3

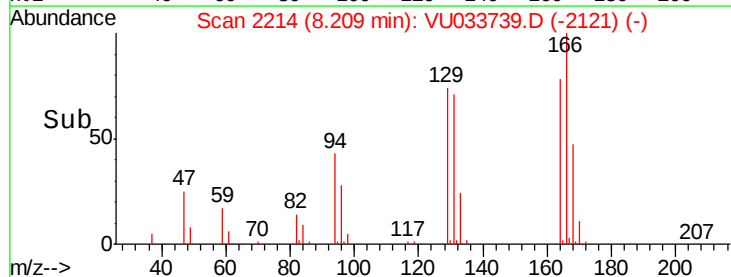
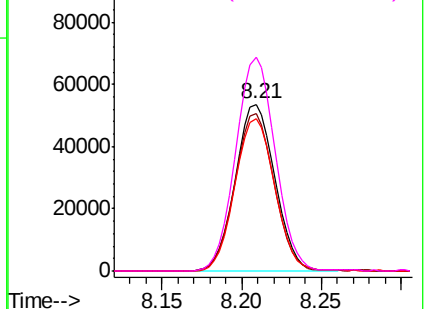


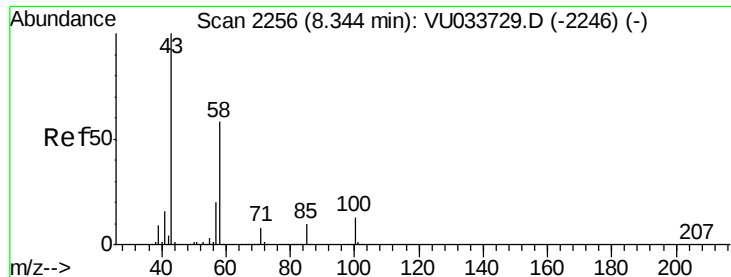
Abundance Ion 164.00 (163.70 to 164.70): V

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

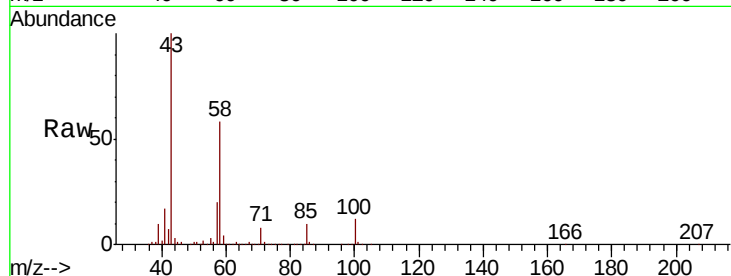




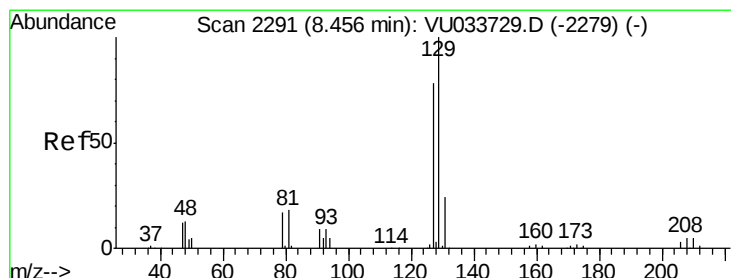
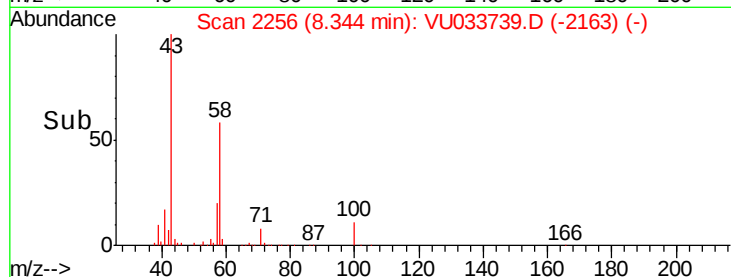
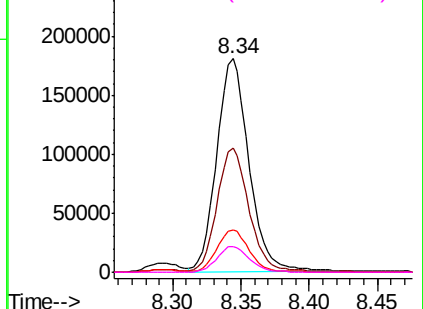
#48
2-Hexanone
Concen: 111.025 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:	43	Resp:	293999
Ion	Ratio	Lower	Upper
43	100		
58	56.9	46.6	70.0
57	19.9	16.2	24.4
100	12.4	10.1	15.1

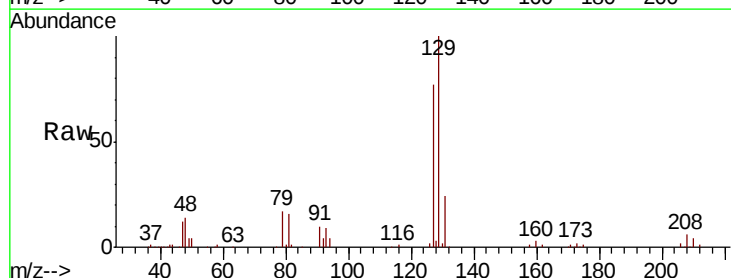


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

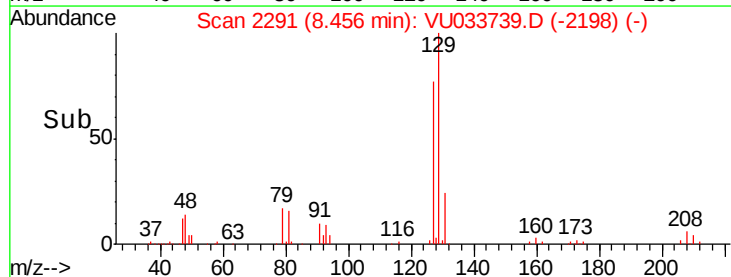
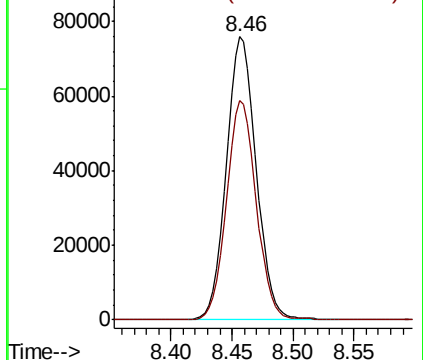


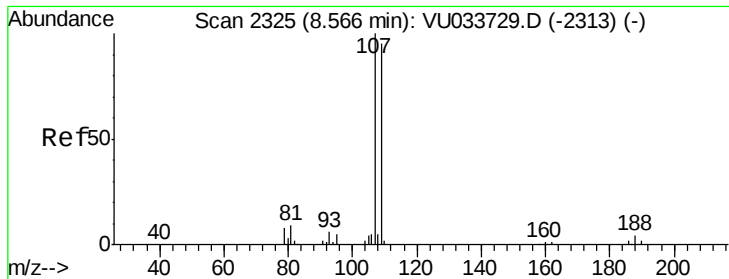
#49
Dibromochloromethane
Concen: 52.528 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion:	129	Resp:	130108
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.3	98.9



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

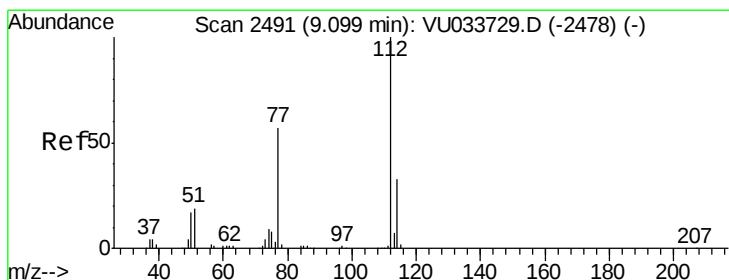
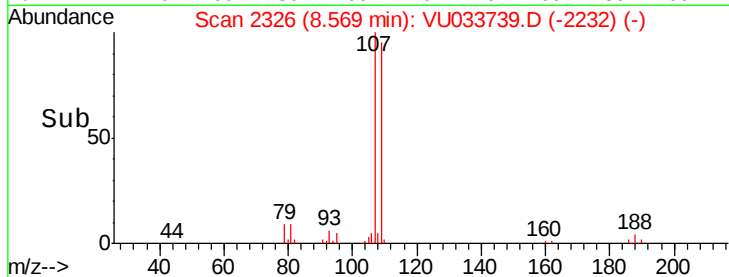
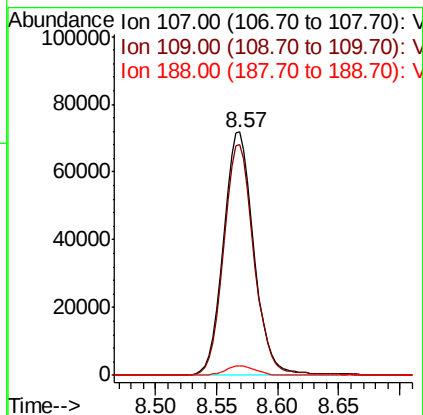
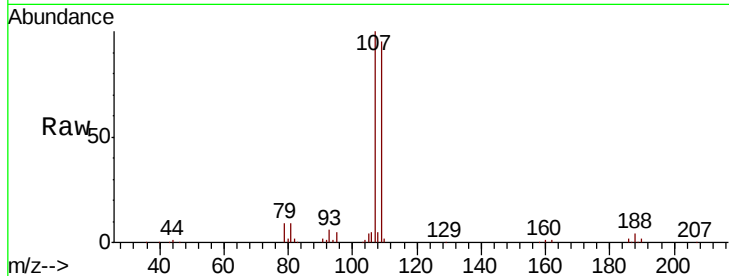




#50
1,2-Dibromoethane
Concen: 51.484 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

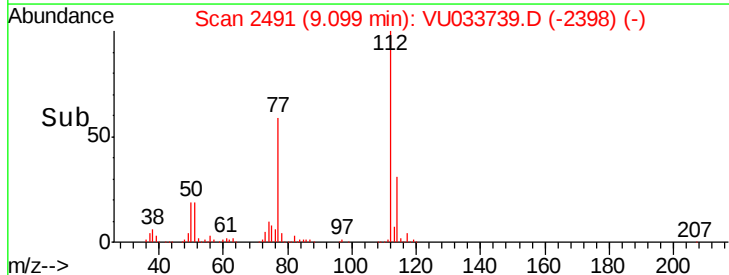
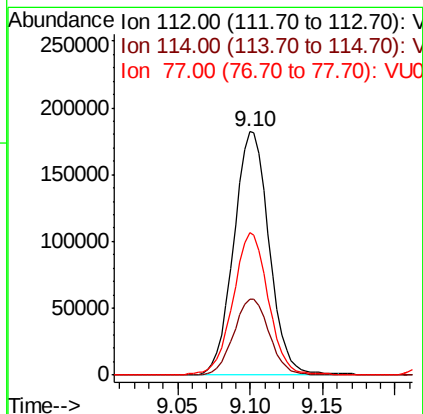
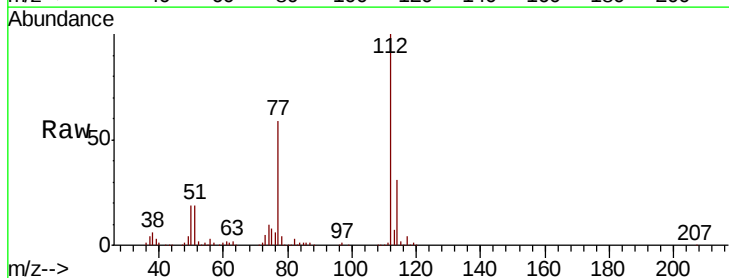
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

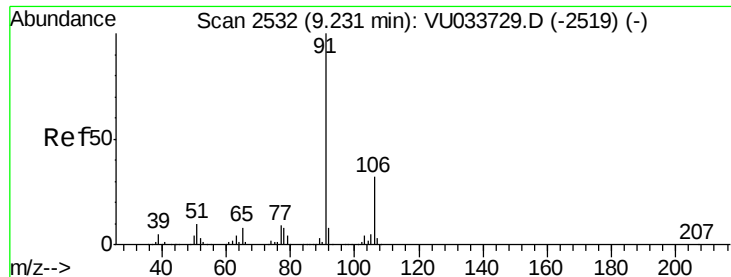
Tgt Ion:107 Resp: 125832
Ion Ratio Lower Upper
107 100
109 95.0 66.4 123.4
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 51.250 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion:112 Resp: 308805
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.9
77 58.5 45.3 67.9





#52

Ethylbenzene

Concen: 51.590 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

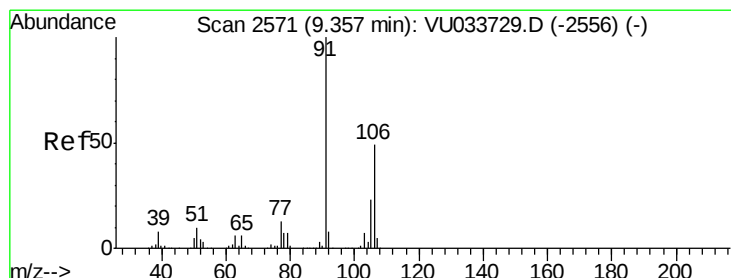
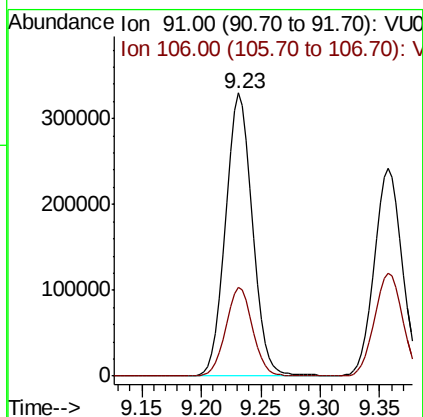
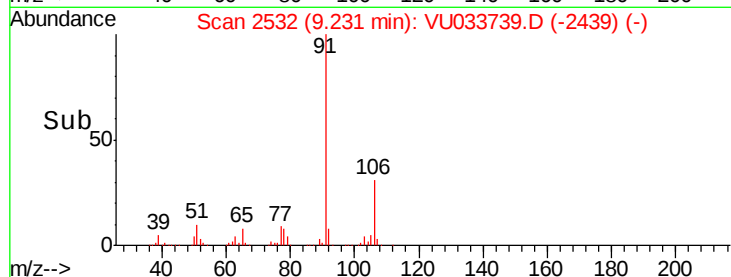
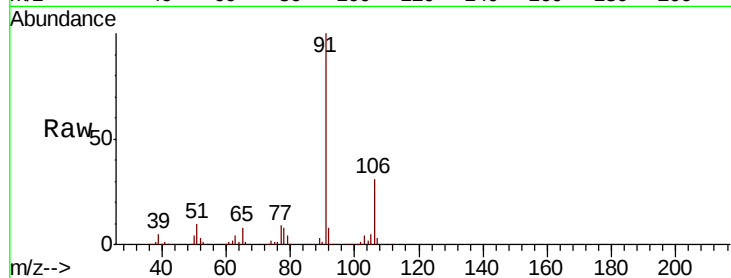
VSTD05060

Tgt Ion: 91 Resp: 517320

Ion Ratio Lower Upper

91 100

106 31.5 22.5 41.7



#53

m,p-Xylene

Concen: 51.496 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033739.D

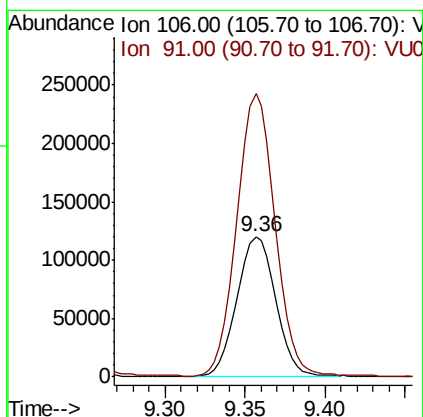
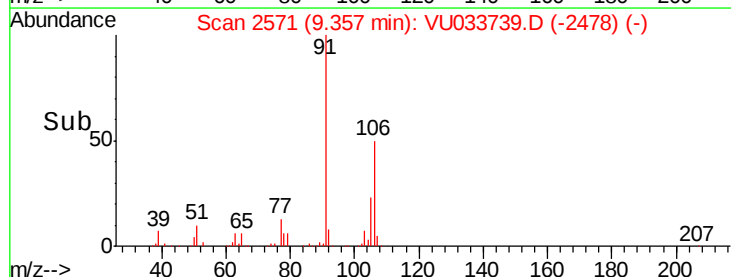
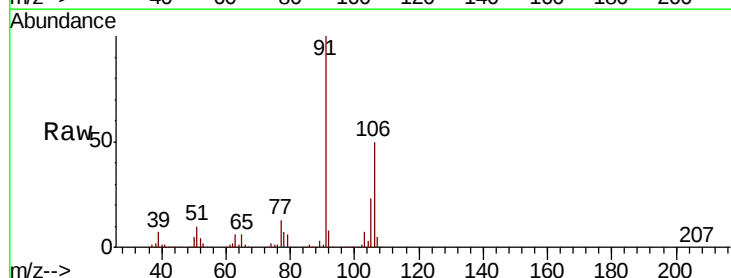
Acq: 11 Aug 2019 01:56

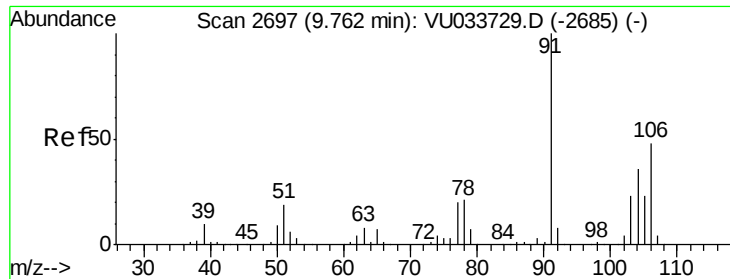
Tgt Ion: 106 Resp: 197112

Ion Ratio Lower Upper

106 100

91 201.6 138.8 257.8

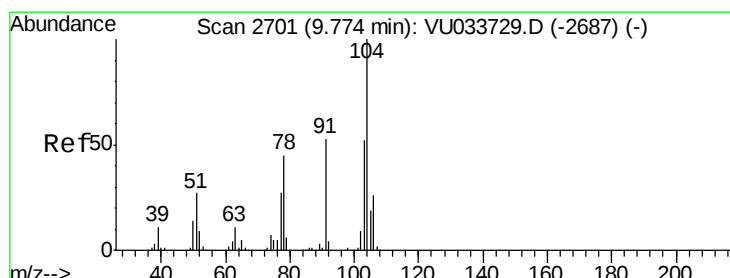
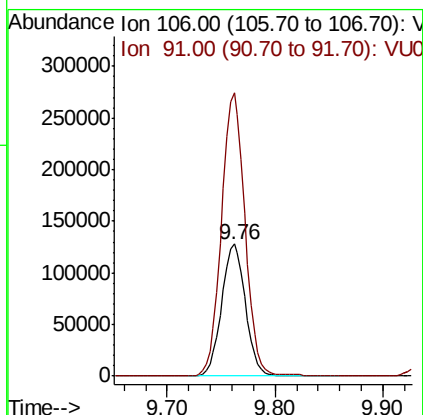
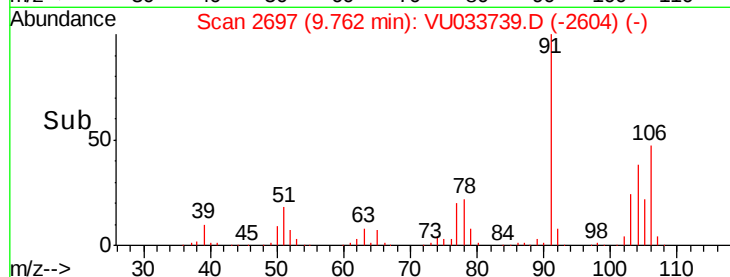
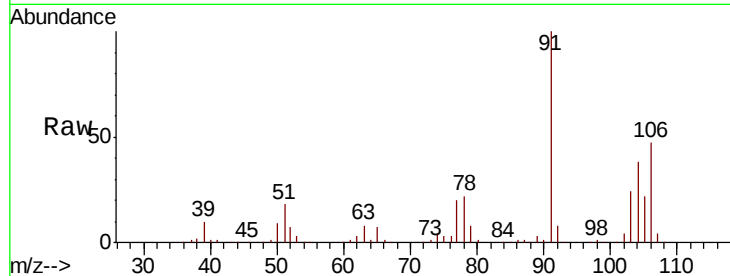




#54
o-xylene
Concen: 51.859 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

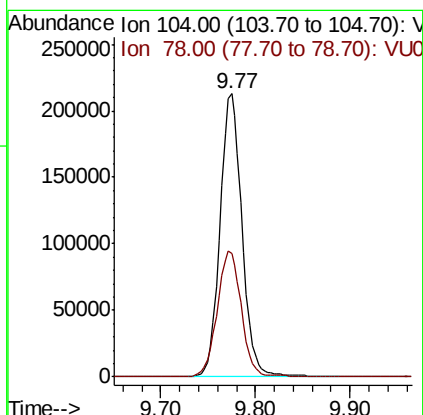
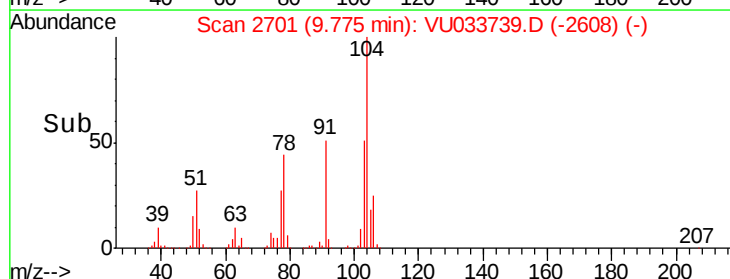
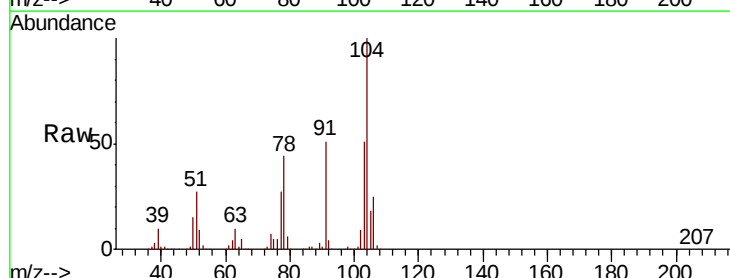
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

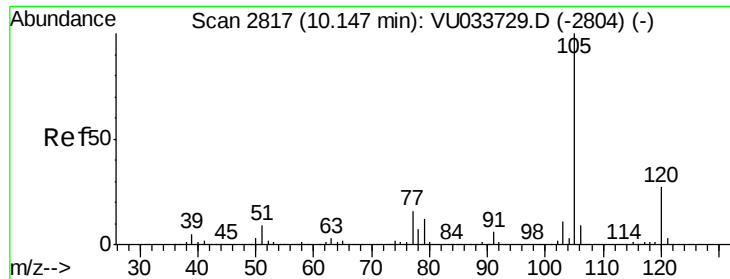
Tgt Ion:106 Resp: 196199
Ion Ratio Lower Upper
106 100
91 214.8 150.9 280.3



#55
Styrene
Concen: 54.078 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033739.D
Acq: 11 Aug 2019 01:56

Tgt Ion:104 Resp: 343318
Ion Ratio Lower Upper
104 100
78 43.5 31.0 57.6





#56

Isopropylbenzene

Concen: 51.384 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

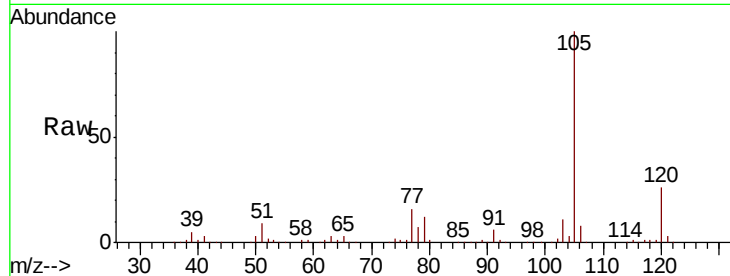
Tgt Ion: 105 Resp: 510159

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

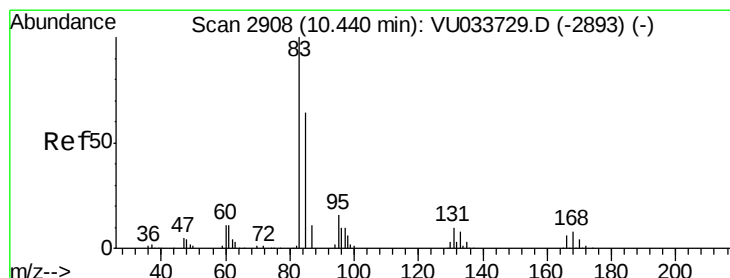
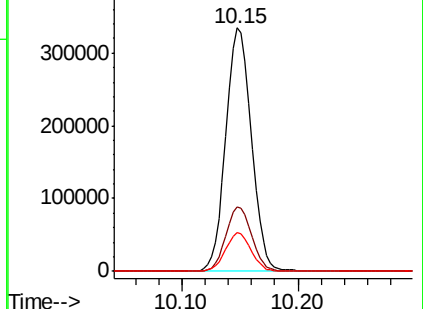
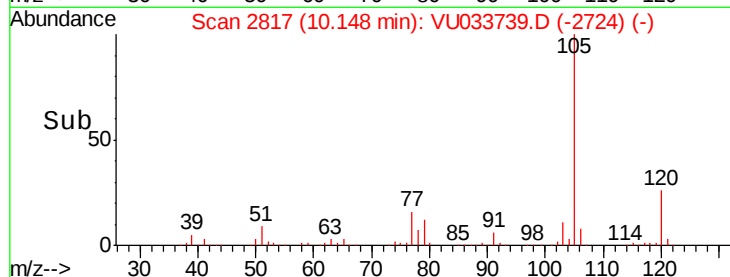
77 15.8 12.3 18.5



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: 54.899 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

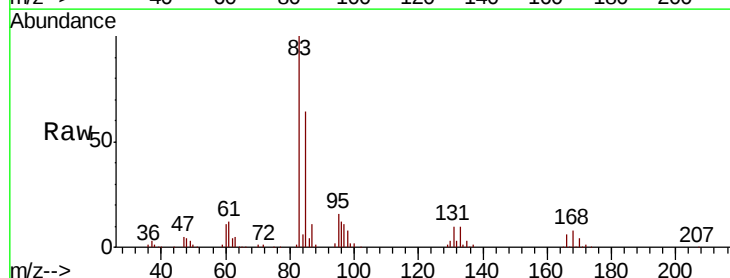
Tgt Ion: 83 Resp: 213193

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0

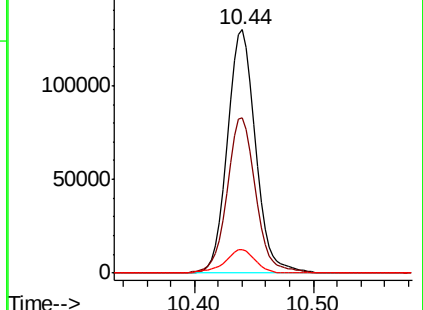
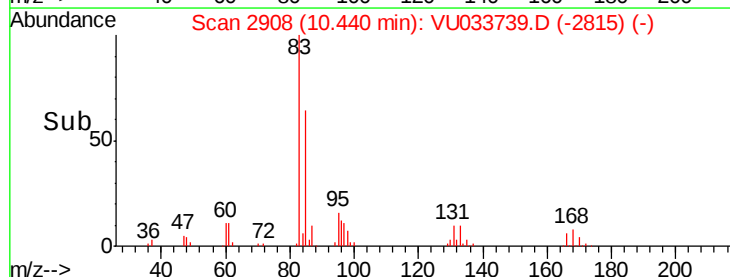
131 9.9 8.1 12.1

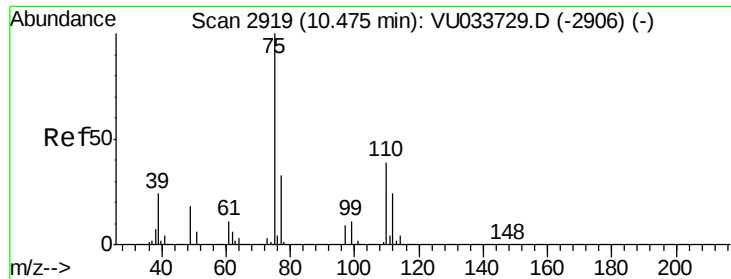


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.855 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

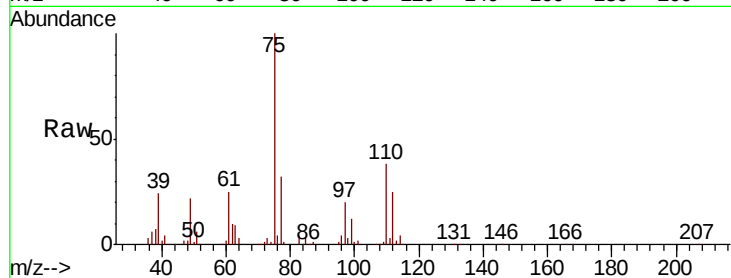
VSTD05060

Tgt Ion: 75 Resp: 167692

Ion Ratio Lower Upper

75 100

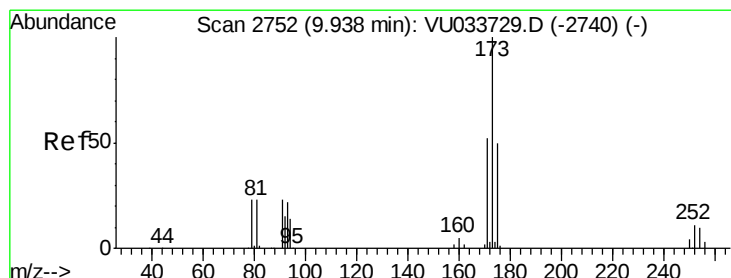
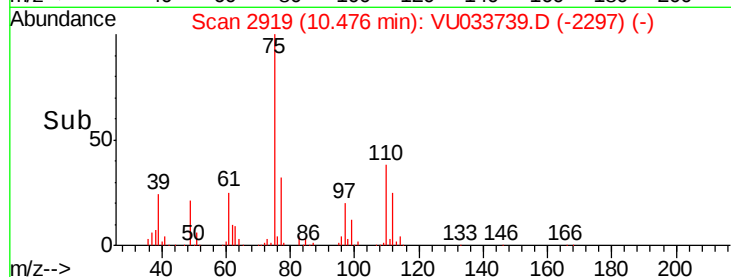
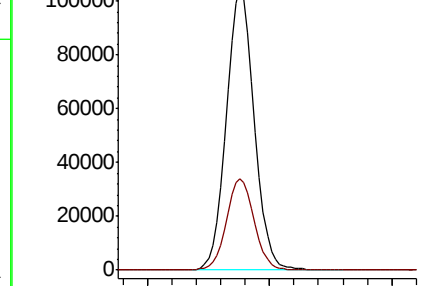
77 32.4 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU033729.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU033729.D (-2906) (-)

10.48



#61

Bromoform

Concen: 50.911 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

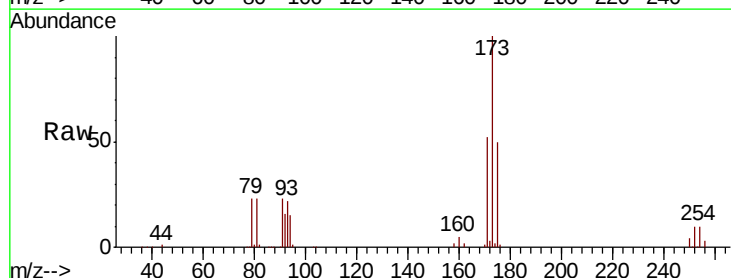
Tgt Ion: 173 Resp: 102777

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.8

254 9.7 8.4 12.6

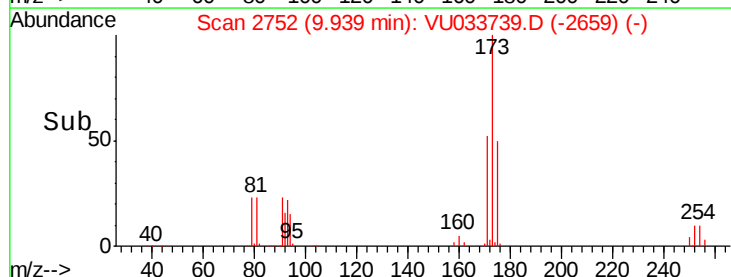
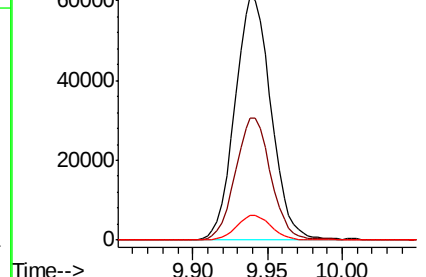


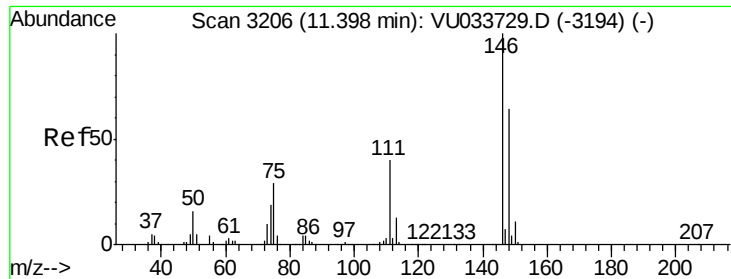
Abundance Ion 173.00 (172.70 to 173.70): VU033729.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033729.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033729.D (-2740) (-)

9.94





#62

1,3-Dichlorobenzene

Concen: 50.028 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

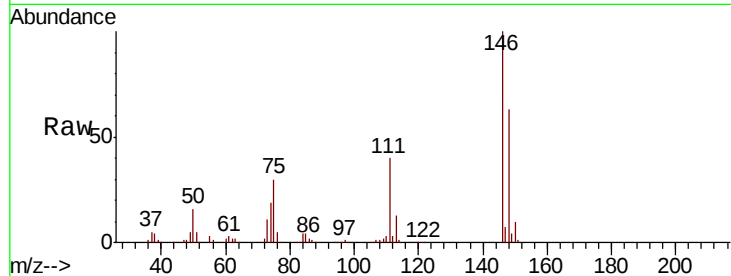
Tgt Ion:146 Resp: 256114

Ion Ratio Lower Upper

146 100

111 39.7 27.0 50.2

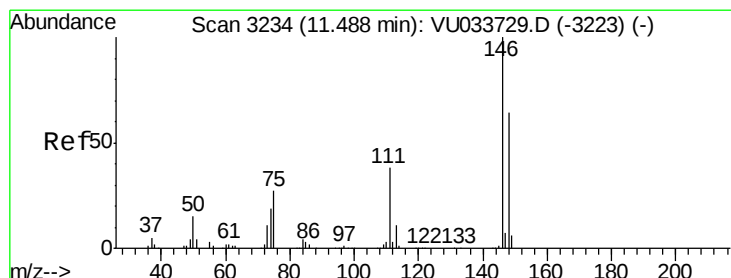
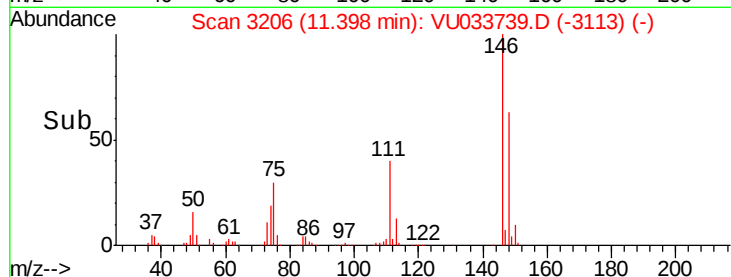
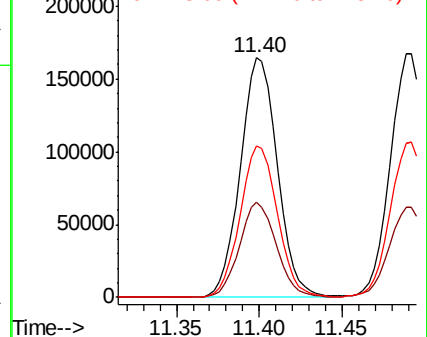
148 63.2 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.302 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

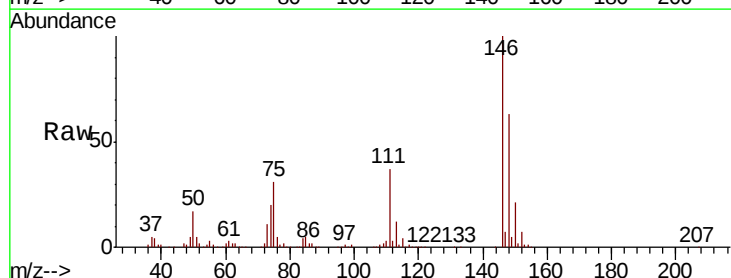
Tgt Ion:146 Resp: 260840

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.4

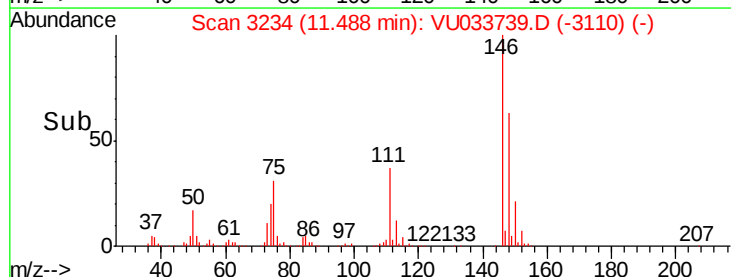
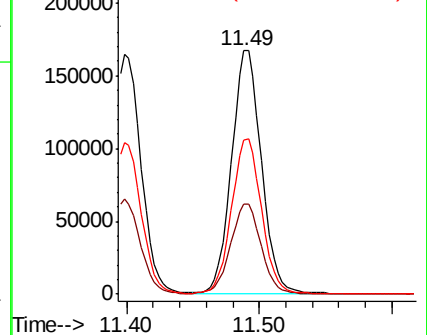
148 63.4 45.3 84.1

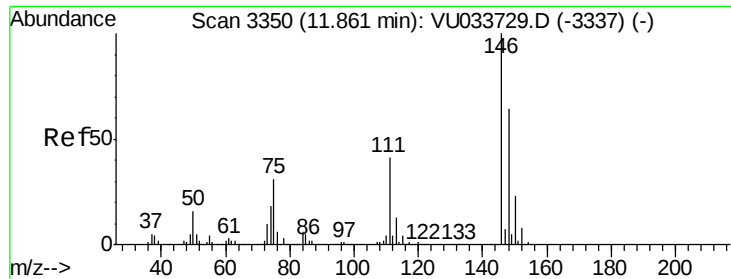


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

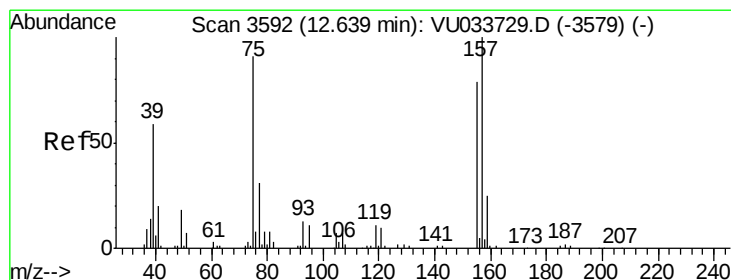
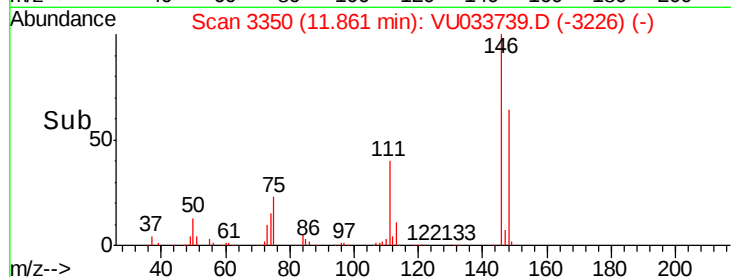
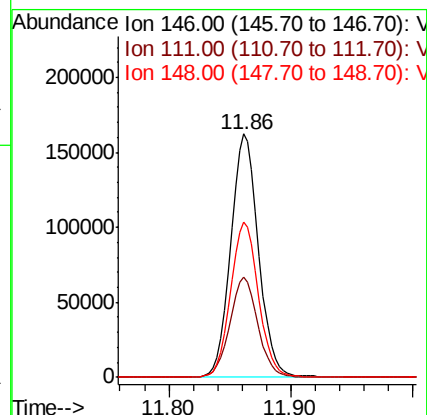
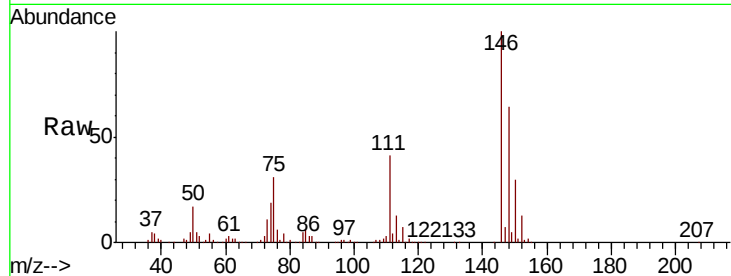




#65
 1,2-Dichlorobenzene
 Concen: 51.195 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

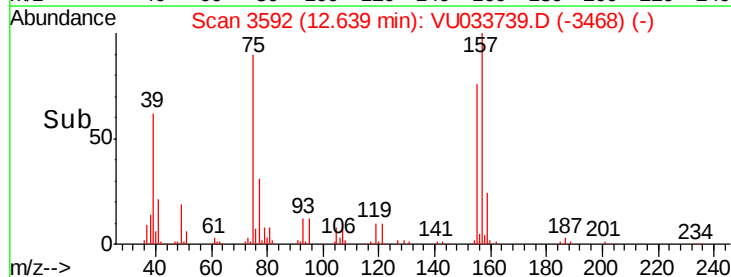
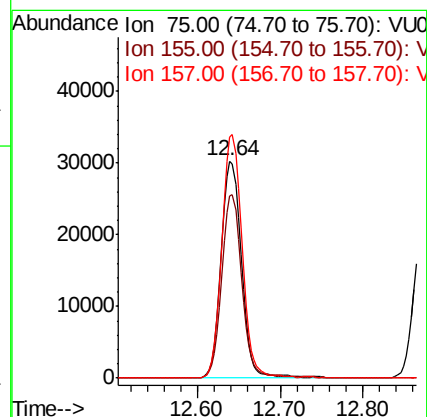
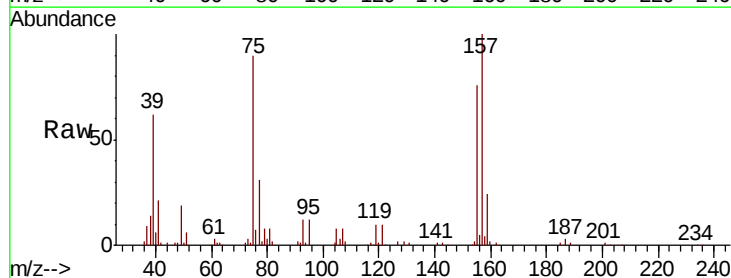
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

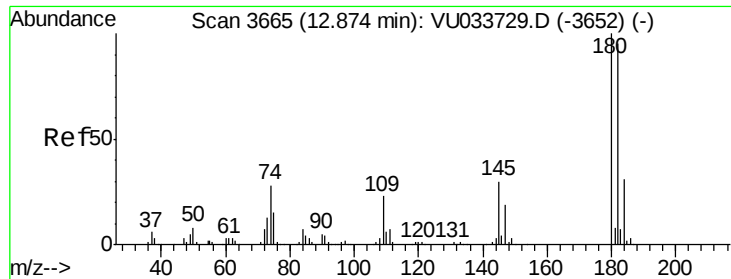
Tgt Ion: 146 Resp: 259101
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.2 48.2
 148 63.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.033 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion: 75 Resp: 51665
 Ion Ratio Lower Upper
 75 100
 155 83.8 72.7 109.1
 157 110.9 88.6 132.8

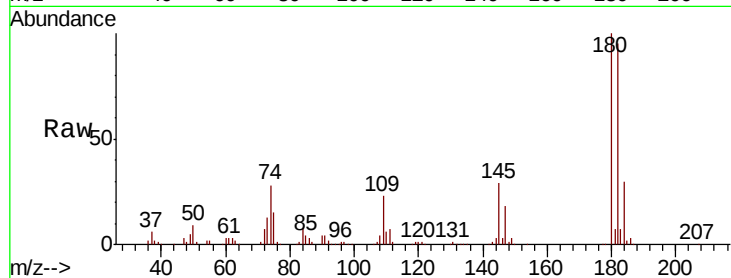




#67
 1,3,5-Trichlorobenzene
 Concen: 48.032 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.2	24.2	36.2
145	28.7	22.3	33.5



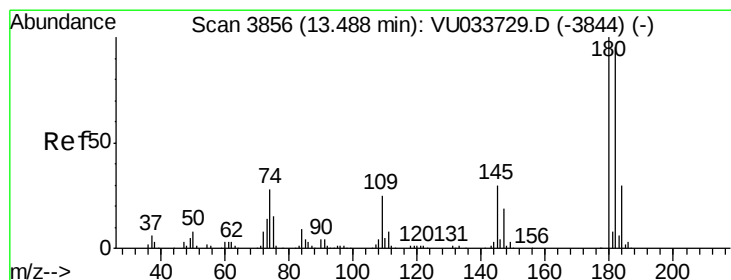
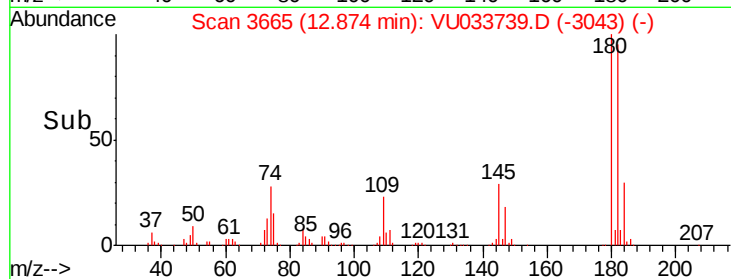
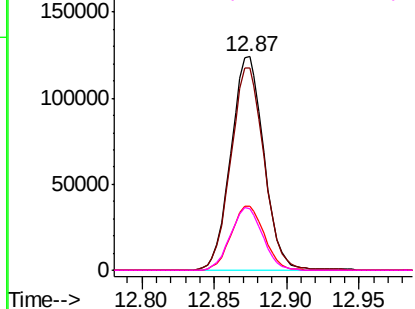
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

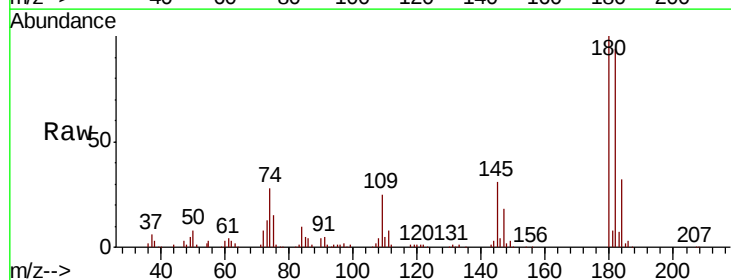
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.553 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033739.D
 Acq: 11 Aug 2019 01:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.2	117.4
145	29.8	23.5	35.3

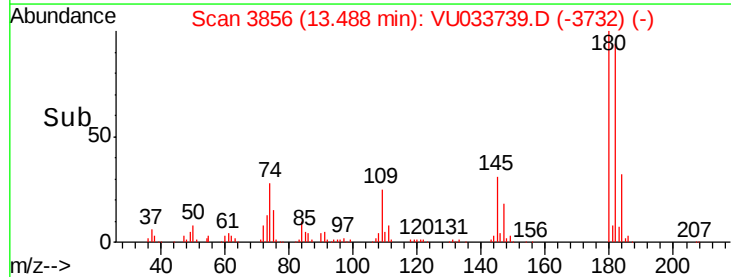
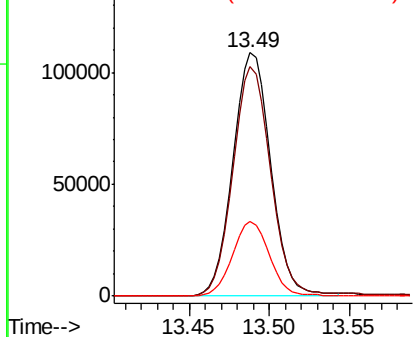


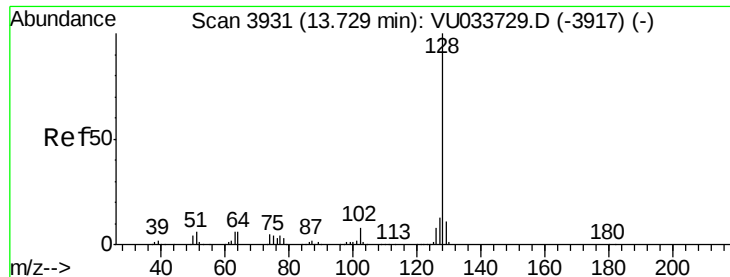
Abundance

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: 50.274 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

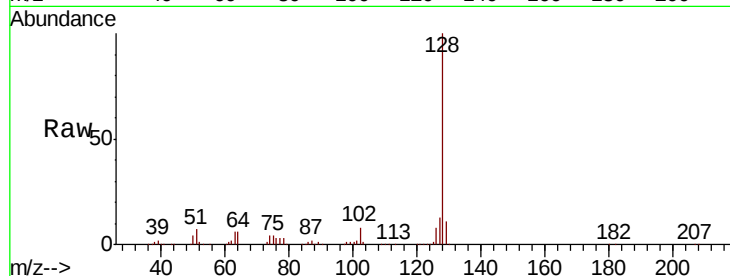
Tgt Ion:128 Resp: 555012

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

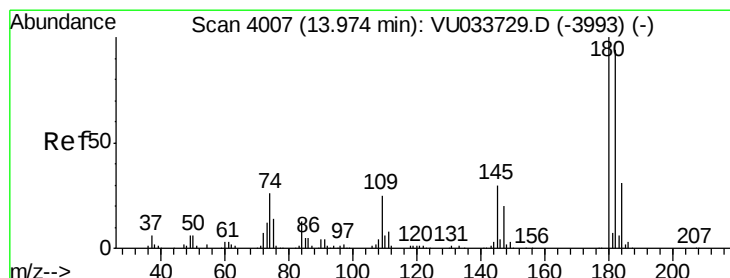
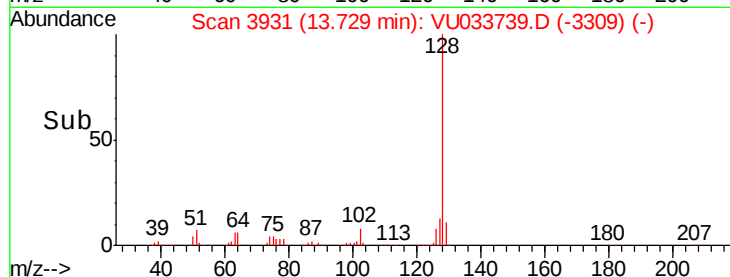
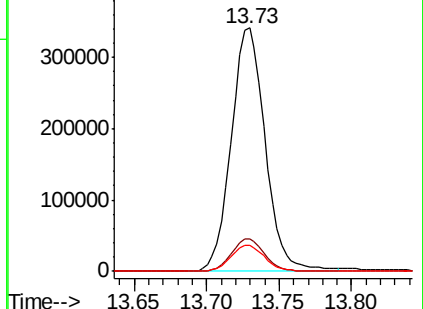
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.227 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033739.D

Acq: 11 Aug 2019 01:56

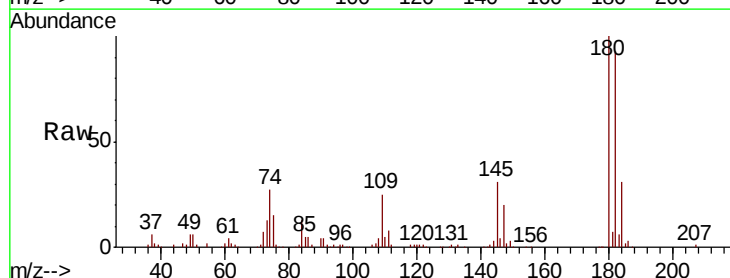
Tgt Ion:180 Resp: 183760

Ion Ratio Lower Upper

180 100

182 96.2 78.5 117.7

145 31.0 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

