

Data File : VU033802.D
Acq On : 15 Aug 2019 10:50
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Quant Time: Aug 16 00:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:46:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	191024	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	196030	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	110475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84200	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.67	69	68941	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.26	65	39609	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.20	46	195711	46.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.70%
24) Chloroform-d	4.62	84	136831	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.29	65	71576	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.32	84	249940	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.31	67	79879	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.55	98	234191	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.83	79	33215	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.30	63	146007	48.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.96%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	72872	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	11.85	152	91448	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	137318	4.959 ug/L	99
3) Chloromethane	1.32	50	135575	4.718 ug/L	98
5) Vinyl chloride	1.39	62	150541	4.804 ug/L	97
6) Bromomethane	1.62	94	90540	4.965 ug/L	99
8) Chloroethane	1.69	64	90403	4.884 ug/L	97
9) Trichlorofluoromethane	1.87	101	204407	4.762 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	115786	5.083 ug/L	99
12) 1,1-Dichloroethene	2.27	96	111206	5.052 ug/L	99
13) Acetone	2.36	43	226271	50.825 ug/L #	57
14) Carbon disulfide	2.46	76	364855	4.881 ug/L	99
15) Methyl Acetate	2.61	43	55309	4.779 ug/L	98
16) Methylene chloride	2.68	84	123254	4.796 ug/L	97
17) Methyl tert-butyl Ether	2.98	73	287354	5.042 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	118557	5.016 ug/L	97
19) 1,1-Dichloroethane	3.42	63	180702	4.890 ug/L	99
21) 2-Butanone	4.28	43	276202	50.110 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	99165	4.918 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	48959	5.064	ug/L	98
25) Chloroform	4.65	83	187317	4.710	ug/L	98
27) 1,2-Dichloroethane	5.38	62	120131	4.902	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	158572	4.971	ug/L	98
30) Cyclohexane	4.97	56	139738	4.840	ug/L	99
31) Carbon tetrachloride	5.11	117	140855	4.962	ug/L	98
33) Benzene	5.36	78	391912	4.998	ug/L	100
34) Trichloroethene	6.16	95	100882	4.906	ug/L	97
35) Methylcyclohexane	6.39	83	154345	5.006	ug/L	97
37) 1,2-Dichloropropane	6.41	63	104465	4.931	ug/L	99
38) Bromodichloromethane	6.74	83	131031	4.904	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	140845	4.926	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	633030	51.703	ug/L	99
42) Toluene	7.62	91	426900	5.181	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	119440	4.997	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	76013	5.021	ug/L	99
47) Tetrachloroethene	8.21	164	84244	4.914	ug/L	97
48) 2-Hexanone	8.35	43	469970	53.077	ug/L	99
49) Dibromochloromethane	8.46	129	92093	5.017	ug/L	99
50) 1,2-Dibromoethane	8.57	107	74351	5.080	ug/L	96
51) Chlorobenzene	9.10	112	262747	4.953	ug/L	97
52) Ethylbenzene	9.23	91	436289	5.117	ug/L	99
53) m,p-Xylene	9.36	106	171126	5.322	ug/L	98
54) o-Xylene	9.76	106	163400	5.352	ug/L	99
55) Styrene	9.77	104	289652	5.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	95695	4.812	ug/L	97
59) Isopropylbenzene	10.15	105	421569	5.005	ug/L	99
60) Bromoform	9.94	173	54731	4.850	ug/L	98
61) 1,2,3-Trichloropropane	10.48	75	68981	4.702	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	347477	5.084	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	350294	5.137	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	222700	4.944	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	227790	4.913	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	211691	4.868	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	15462	4.828	ug/L	99
69) 1,3,5-Trichlorobenzene	12.87	180	173722	4.904	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	140980	5.114	ug/L	100
71) Naphthalene	13.73	128	222898	5.250	ug/L	98
72) 1,2,3-Trichlorobenzene	13.97	180	135515	5.216	ug/L	99

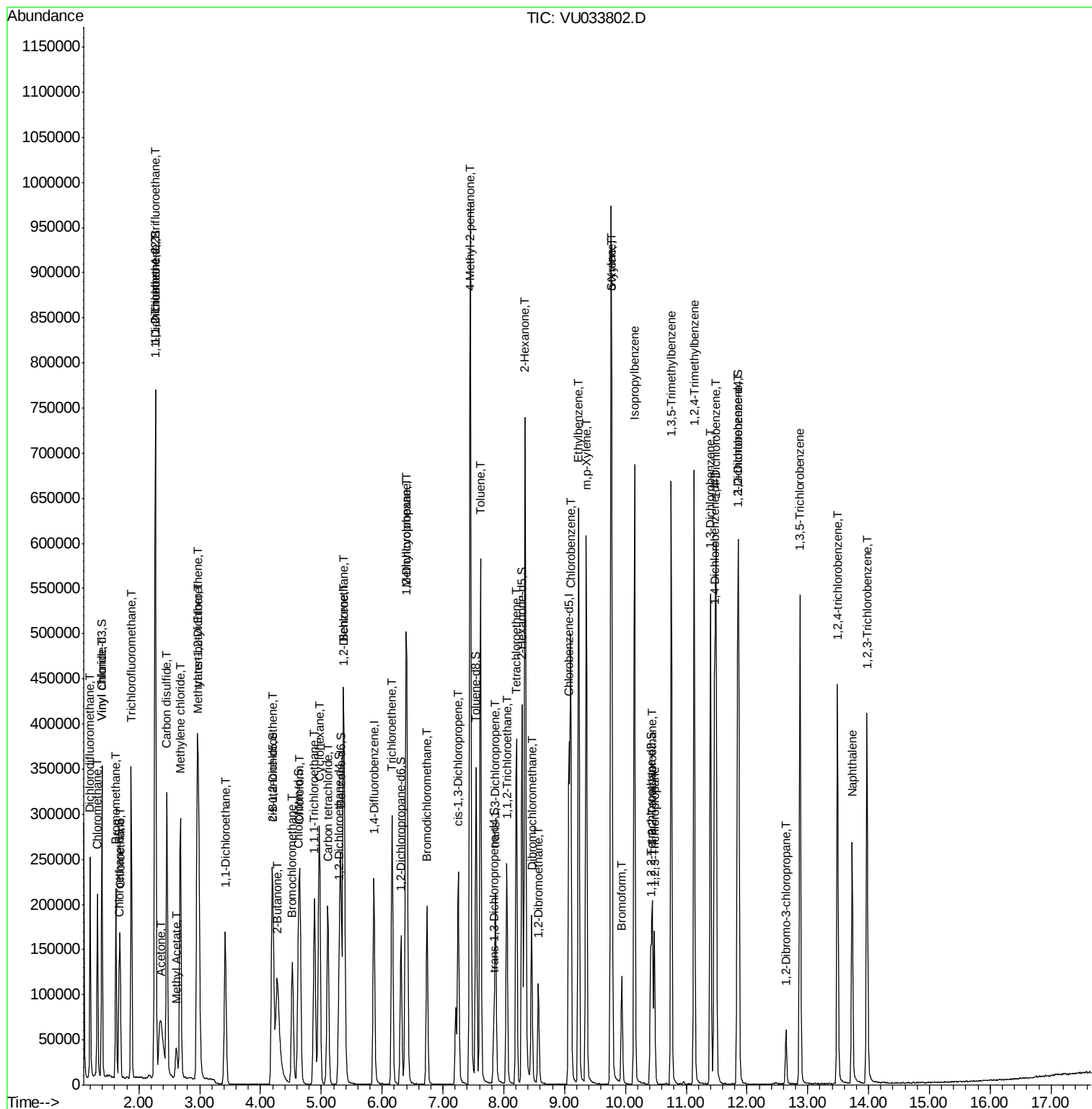
(#) = qualifier out of range (m) = manual integration (+) = signals summed

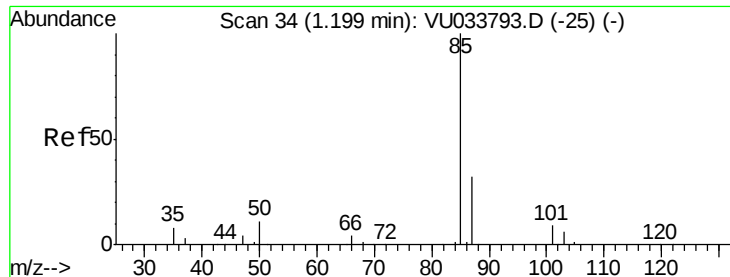
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#2

Dichlorodifluoromethane

Concen: 4.959 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

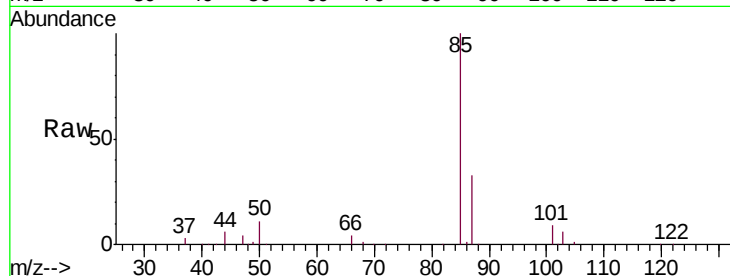
VSTD00508

Tgt Ion: 85 Resp: 137318

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033802.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033802.D (-1) (-)

1.20

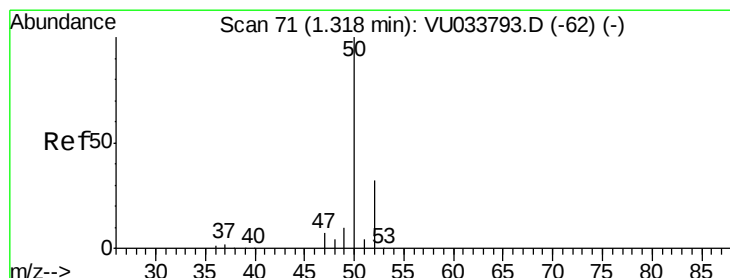
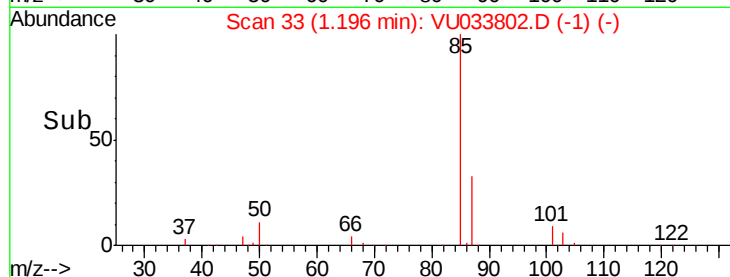
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.718 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033802.D

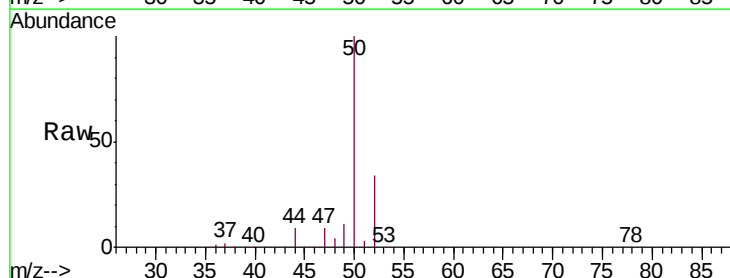
Acq: 15 Aug 2019 10:50

Tgt Ion: 50 Resp: 135575

Ion Ratio Lower Upper

50 100

52 33.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033802.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033802.D (-1) (-)

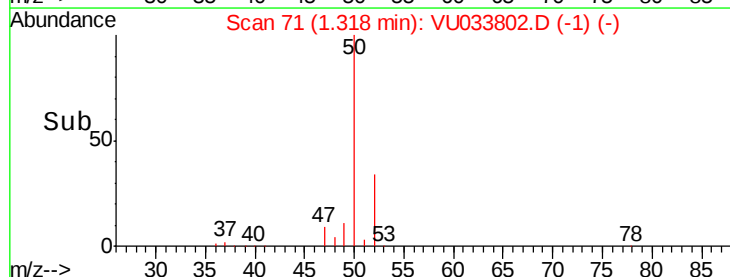
1.32

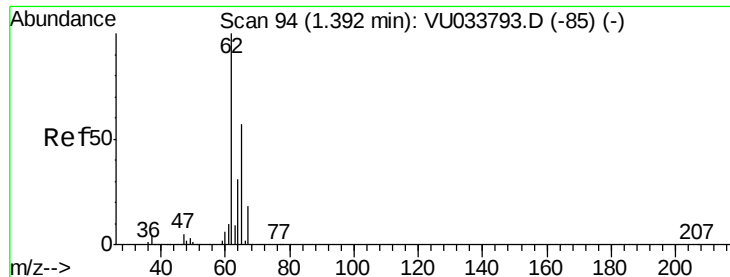
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.804 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

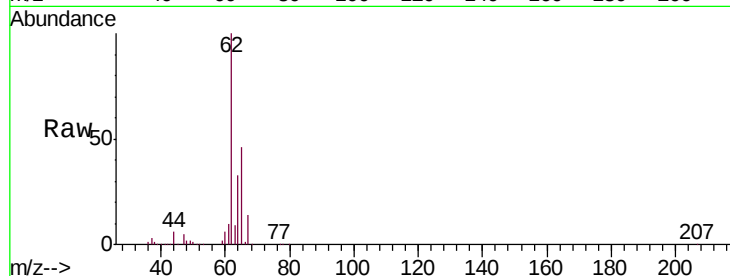
VSTD00508

Tgt Ion: 62 Resp: 150541

Ion Ratio Lower Upper

62 100

64 33.2 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033793.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033793.D (-85) (-)

1.39

150000

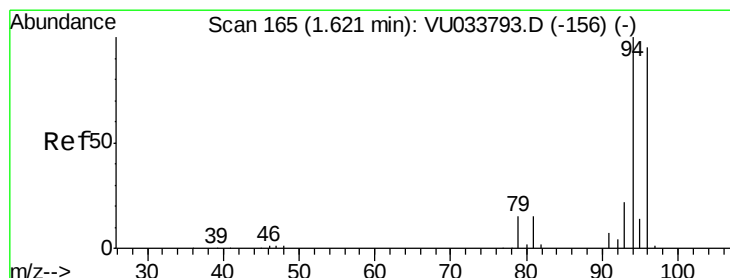
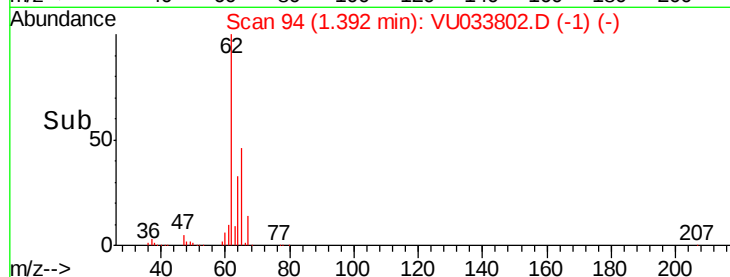
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 4.965 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033802.D

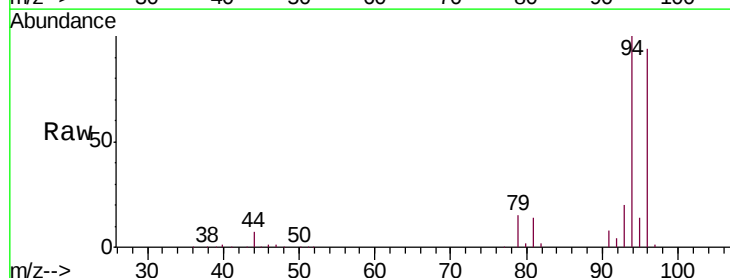
Acq: 15 Aug 2019 10:50

Tgt Ion: 94 Resp: 90540

Ion Ratio Lower Upper

94 100

96 94.1 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033793.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033793.D (-156) (-)

1.62

80000

60000

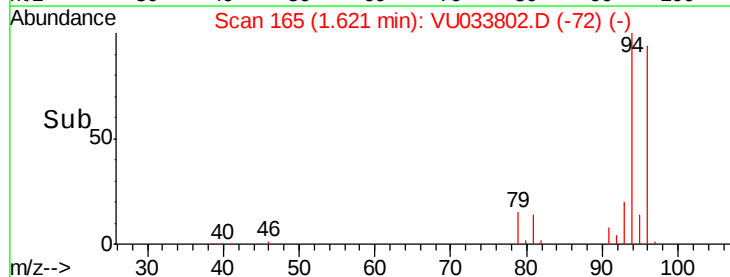
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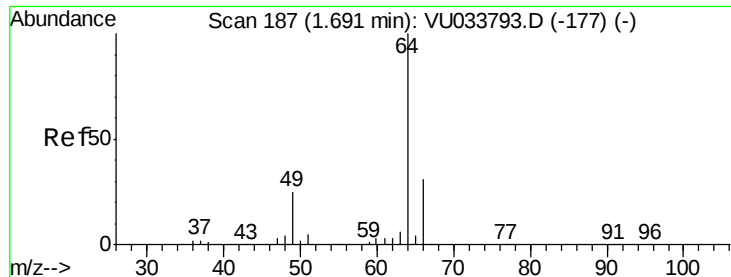
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 4.884 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

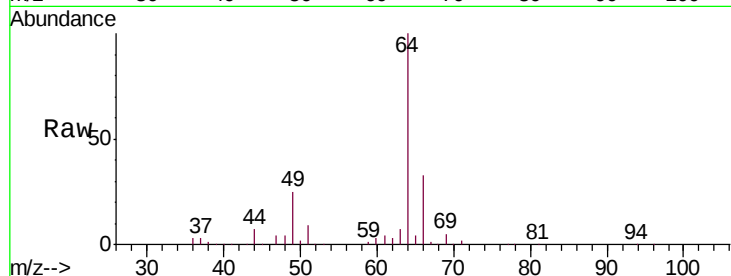
VSTD00508

Tgt Ion: 64 Resp: 90403

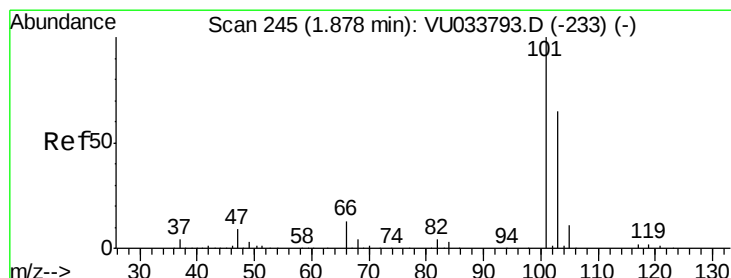
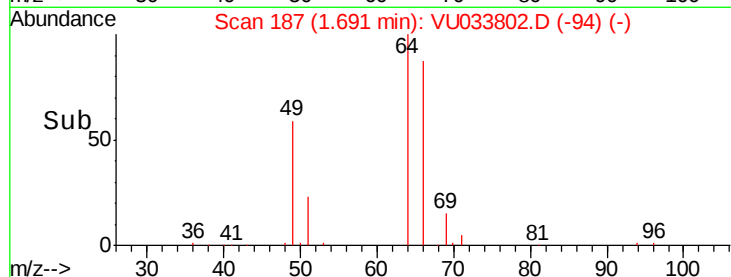
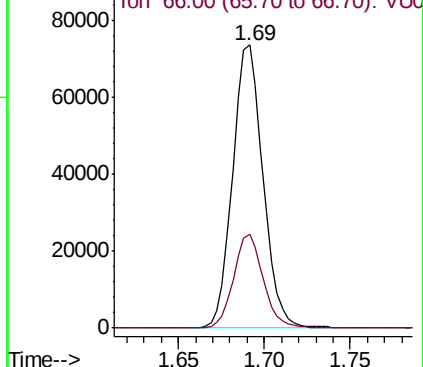
Ion Ratio Lower Upper

64 100

66 33.1 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033793.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 4.762 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033802.D

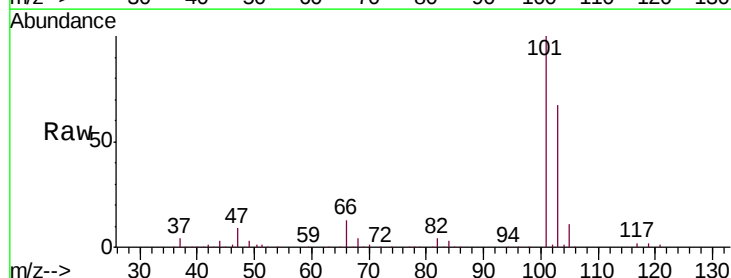
Acq: 15 Aug 2019 10:50

Tgt Ion: 101 Resp: 204407

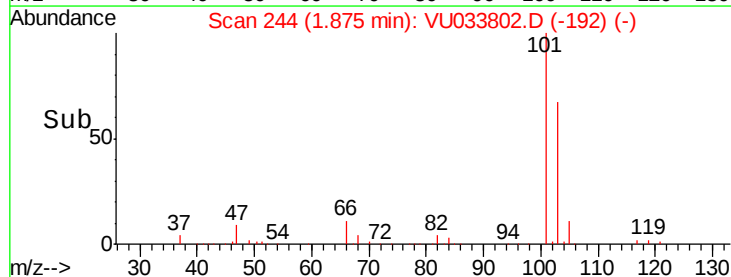
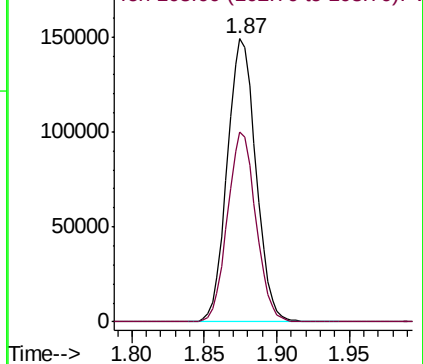
Ion Ratio Lower Upper

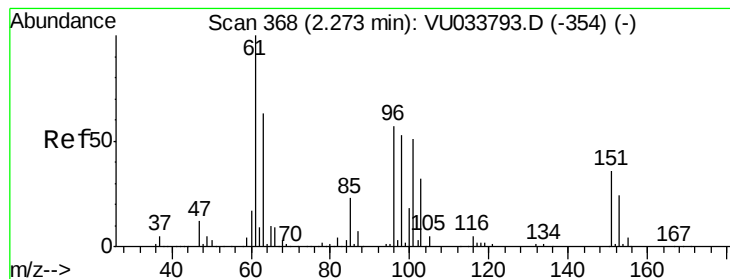
101 100

103 66.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033793.D (-233) (-)





#10

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

Concen: 5.083 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

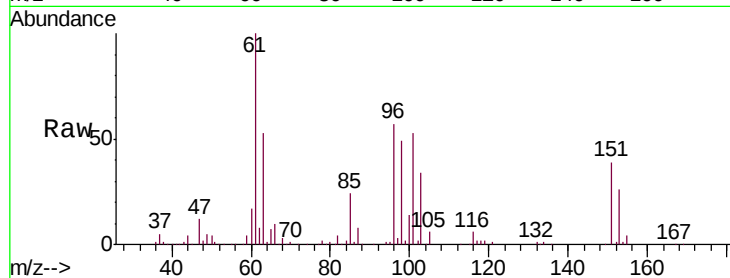
Tgt Ion: 101 Resp: 115786

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

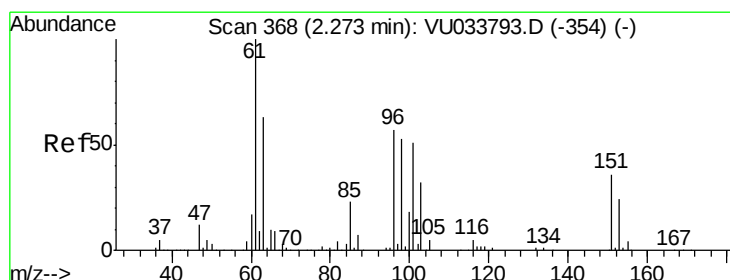
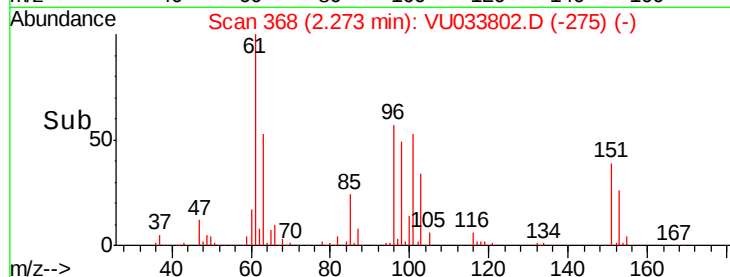
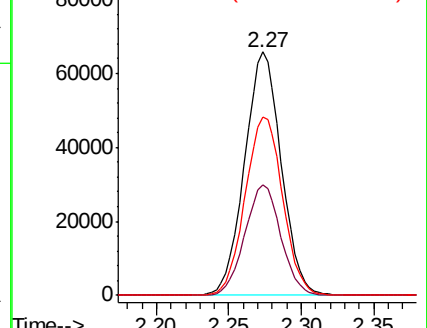
151 75.0 58.7 88.1



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: 5.052 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

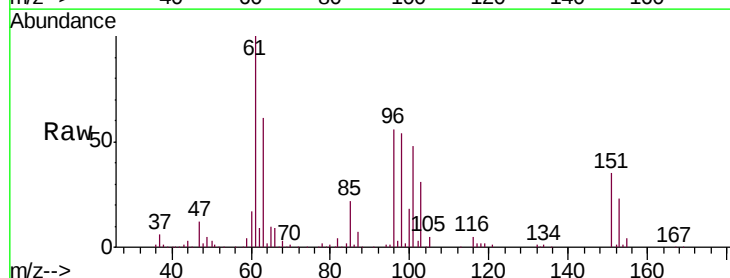
Tgt Ion: 96 Resp: 111206

Ion Ratio Lower Upper

96 100

61 178.3 123.8 230.0

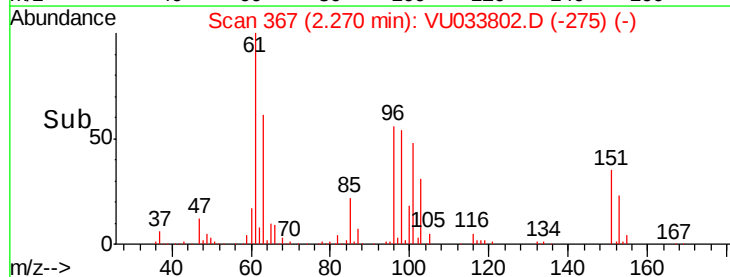
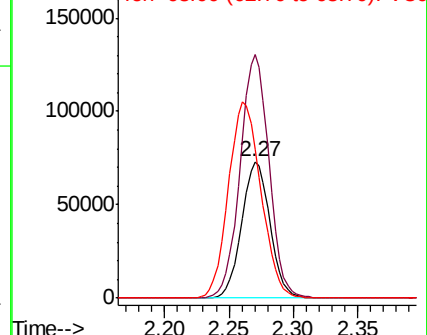
63 109.5 78.0 144.9

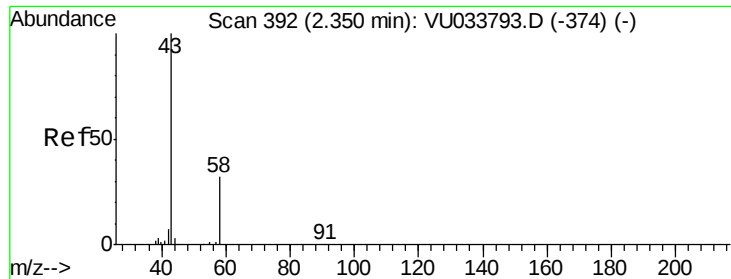


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.825 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

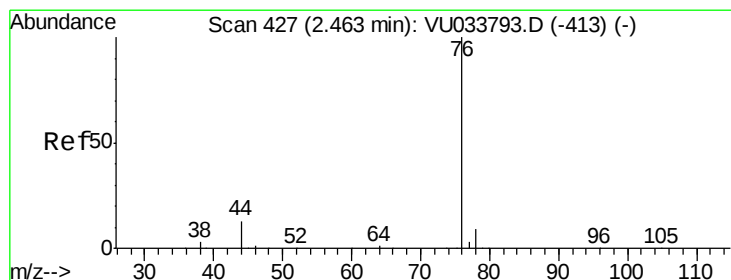
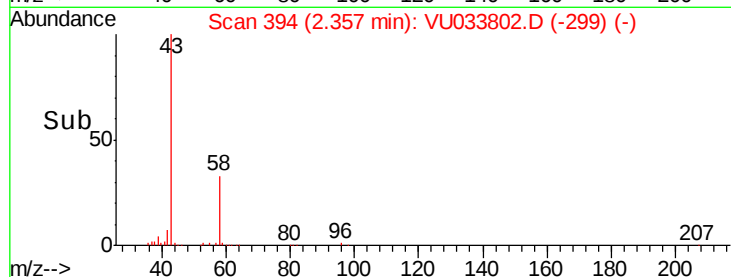
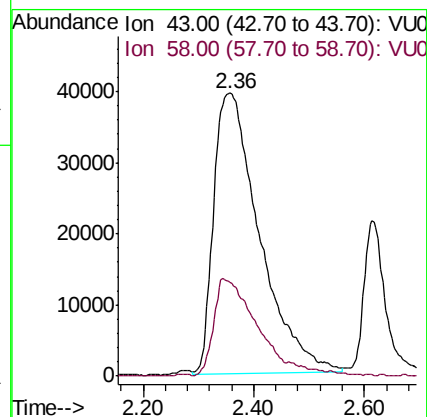
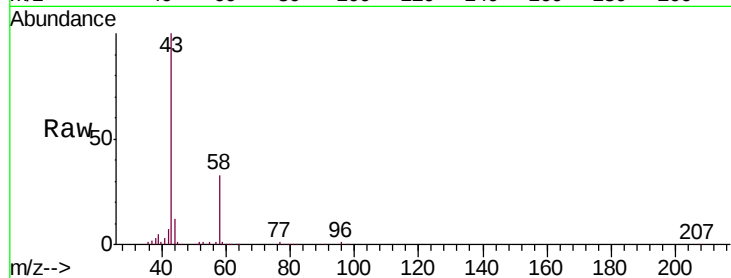
VSTD00508

Tgt Ion: 43 Resp: 226271

Ion Ratio Lower Upper

43 100

58 30.8 0.0 27.0#



#14

Carbon disulfide

Concen: 4.881 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033802.D

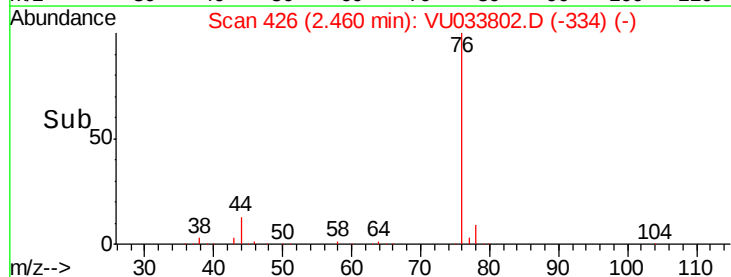
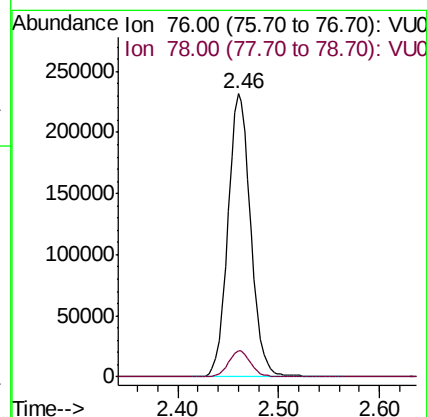
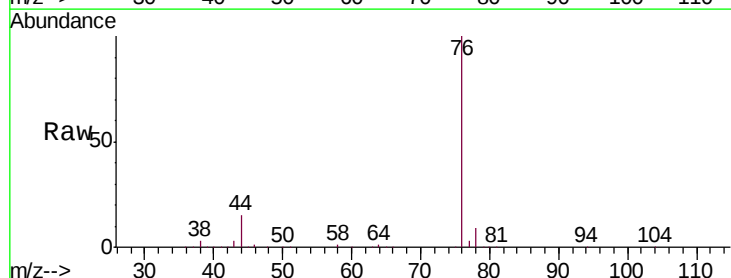
Acq: 15 Aug 2019 10:50

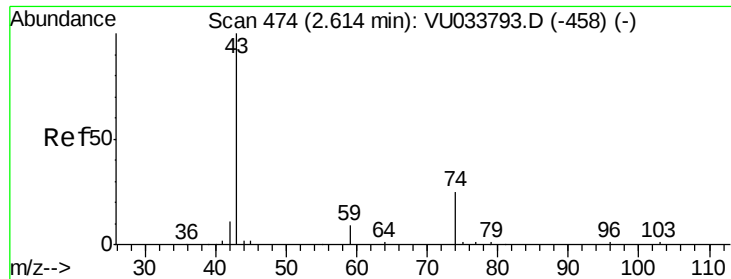
Tgt Ion: 76 Resp: 364855

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

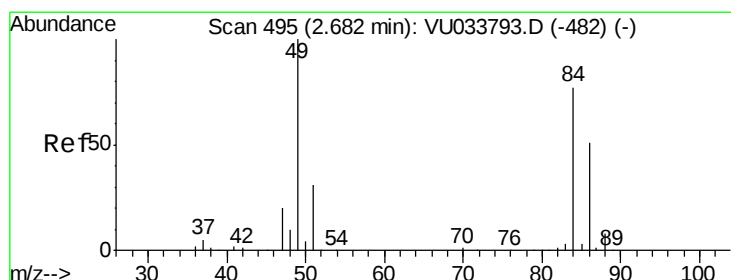
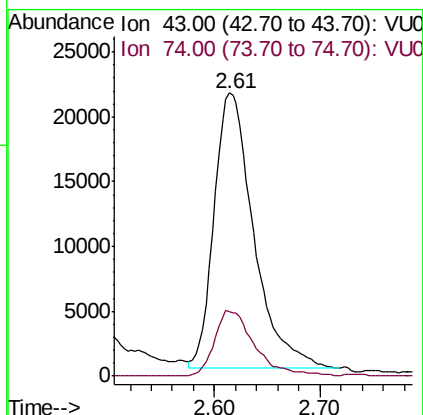
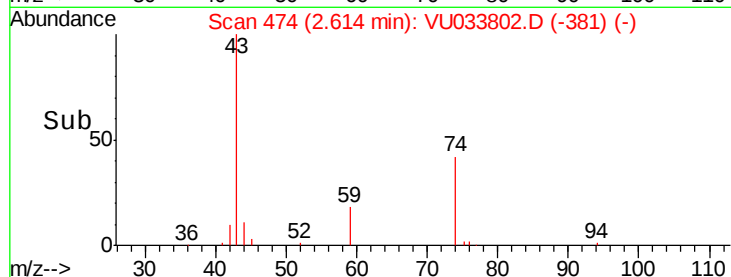
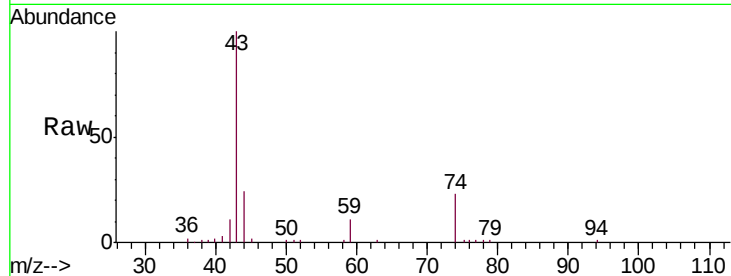




#15
Methyl Acetate
Concen: 4.779 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

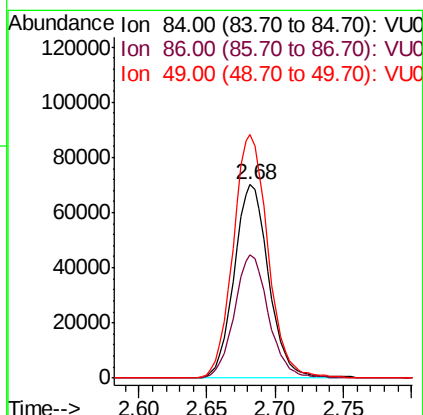
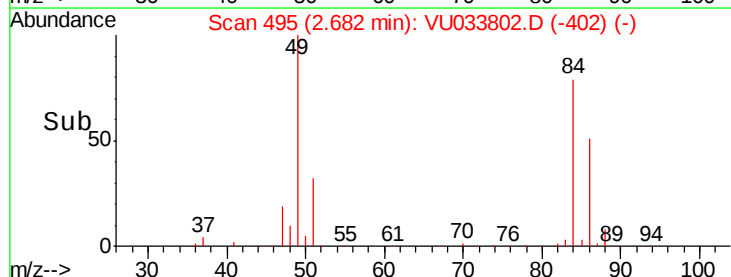
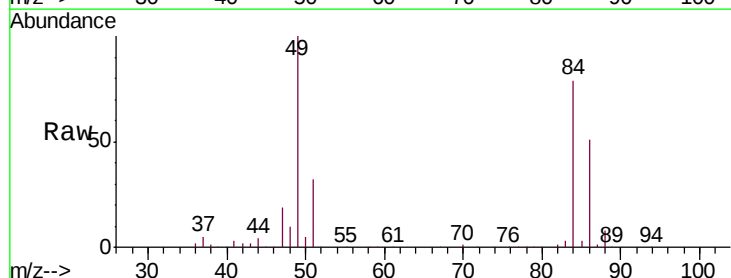
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

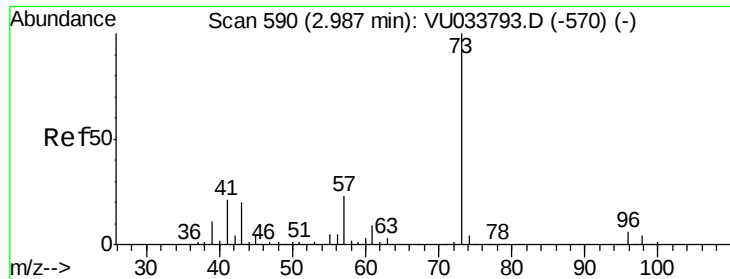
Tgt Ion: 43 Resp: 55309
Ion Ratio Lower Upper
43 100
74 24.3 18.8 28.2



#16
Methylene chloride
Concen: 4.796 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion: 84 Resp: 123254
Ion Ratio Lower Upper
84 100
86 63.7 46.0 85.4
49 126.0 90.4 168.0

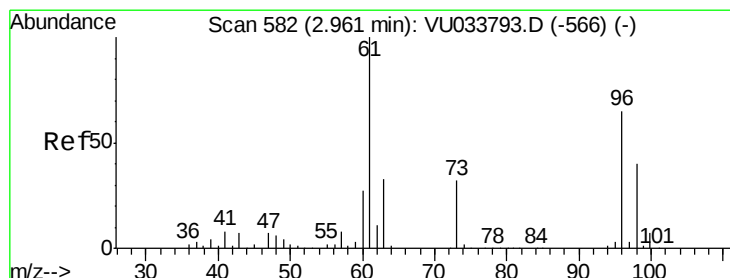
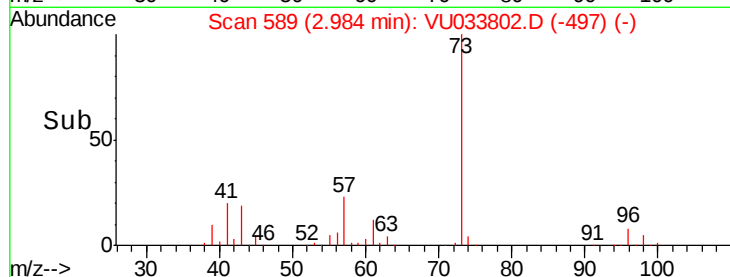
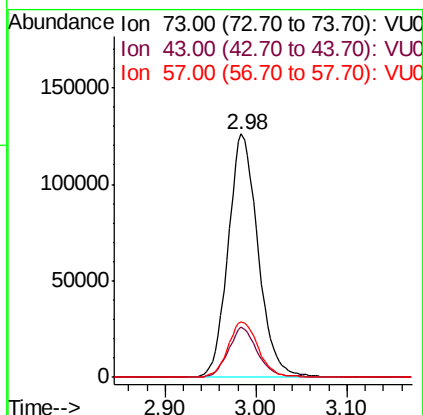
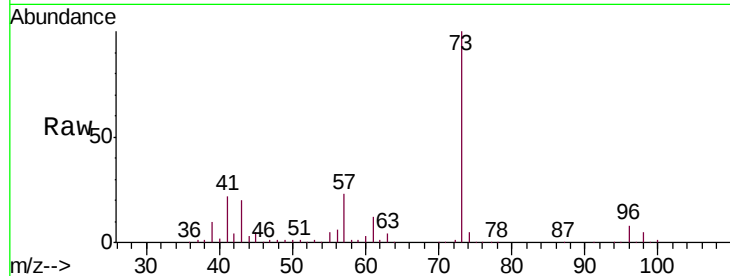




#17
Methyl tert-butyl Ether
Concen: 5.042 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

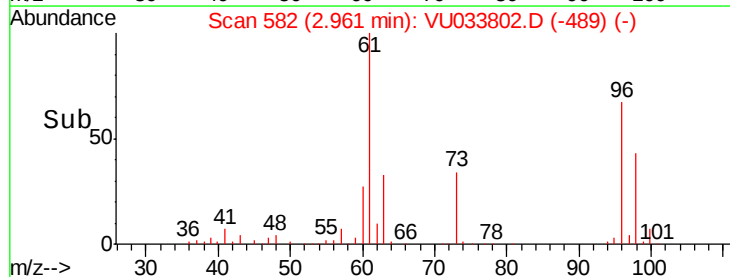
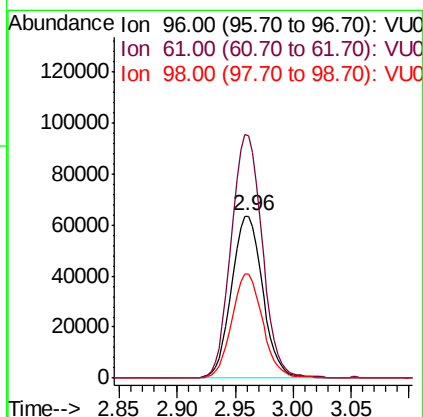
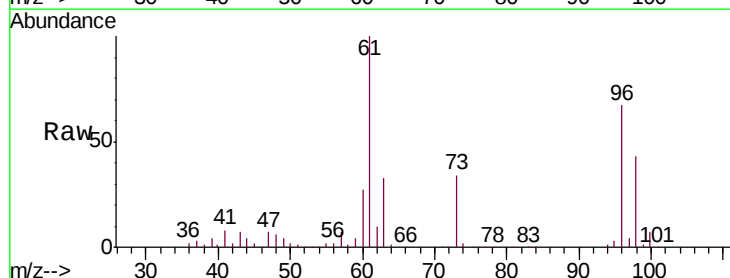
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

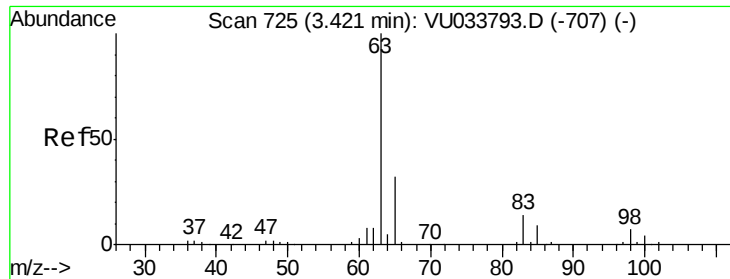
Tgt Ion: 73 Resp: 287354
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4
57 23.2 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.016 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion: 96 Resp: 118557
Ion Ratio Lower Upper
96 100
61 149.7 107.2 199.0
98 64.4 43.0 79.8

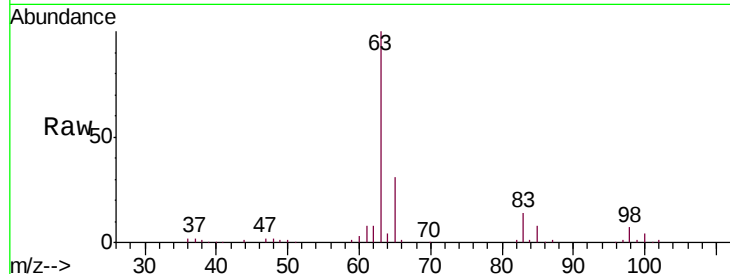




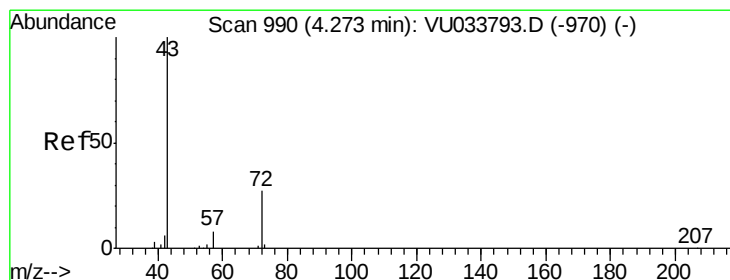
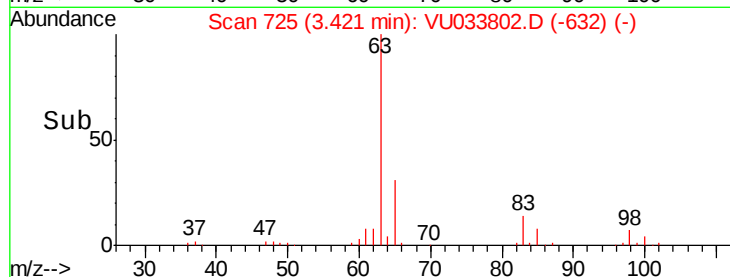
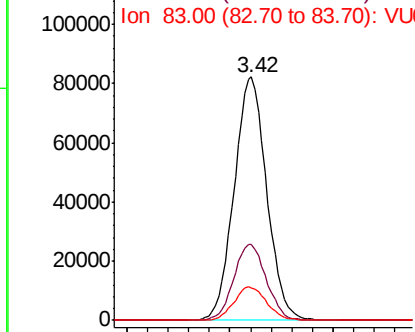
#19
 1,1-Dichloroethane
 Concen: 4.890 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion: 63 Resp: 180702
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.4 41.6
 83 13.5 9.7 17.9

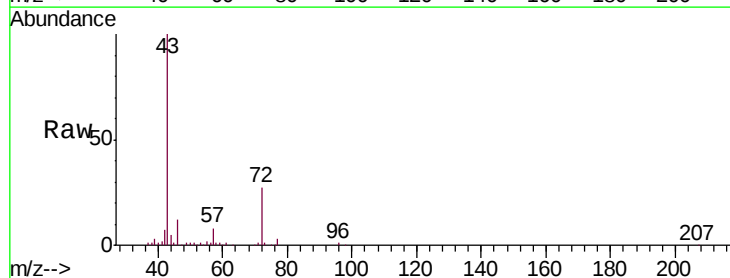


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

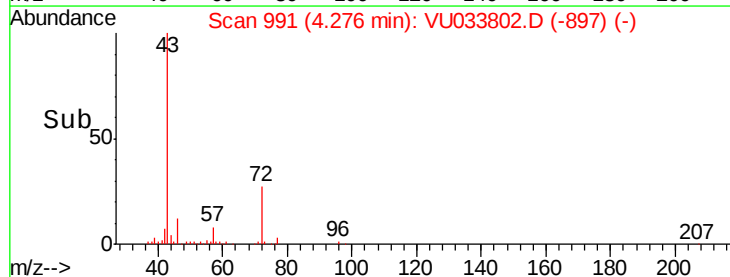
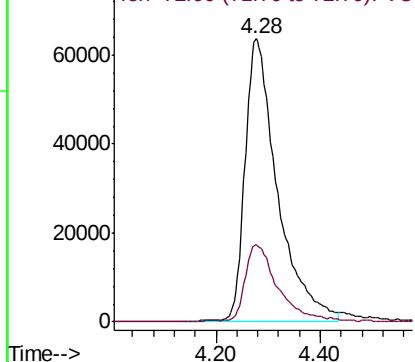


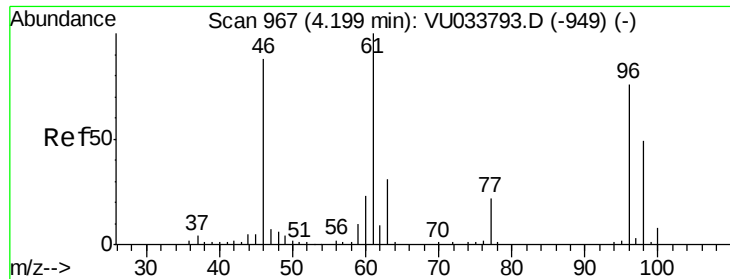
#21
 2-Butanone
 Concen: 50.110 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion: 43 Resp: 276202
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0



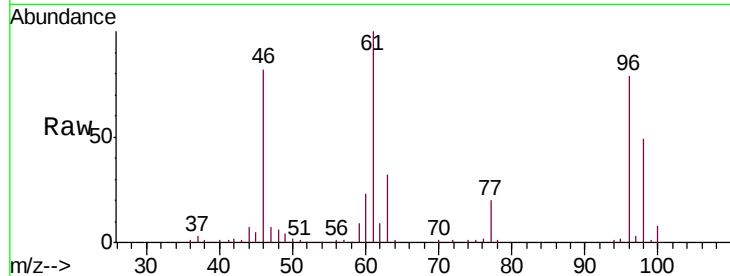


#22

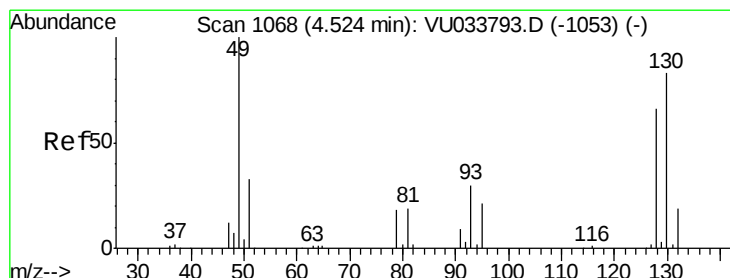
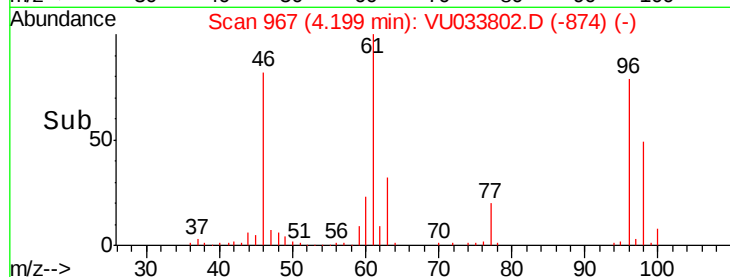
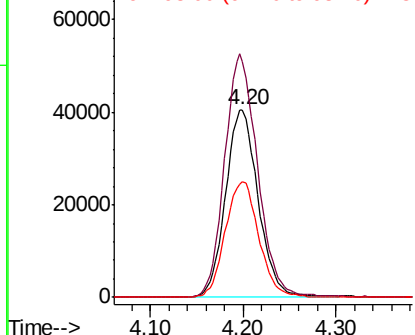
cis-1,2-Dichloroethene
 Concen: 4.918 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion: 96 Resp: 99165
 Ion Ratio Lower Upper
 96 100
 61 125.9 91.7 170.3
 98 61.4 45.1 83.9



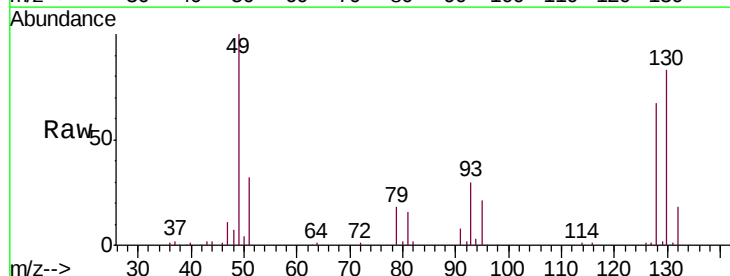
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



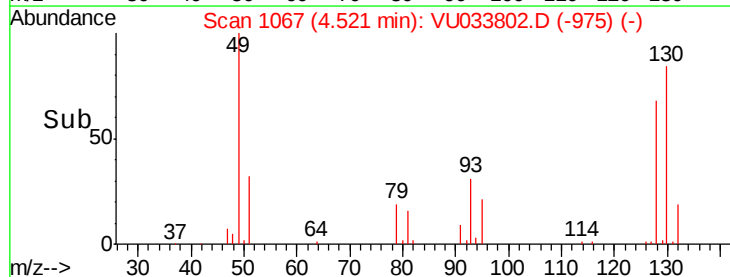
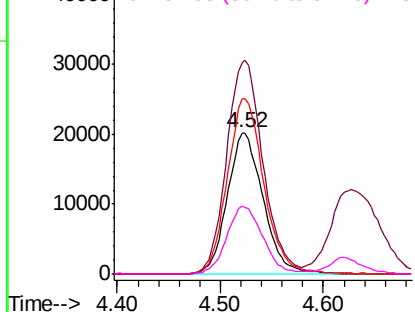
#23

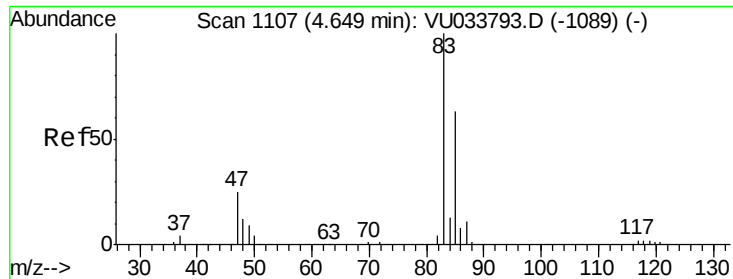
Bromochloromethane
 Concen: 5.064 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion: 128 Resp: 48959
 Ion Ratio Lower Upper
 128 100
 49 150.1 106.8 198.4
 130 124.6 88.3 164.1
 51 48.1 40.3 60.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VU0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VU0

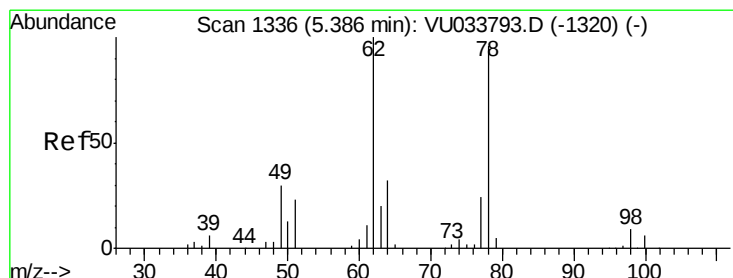
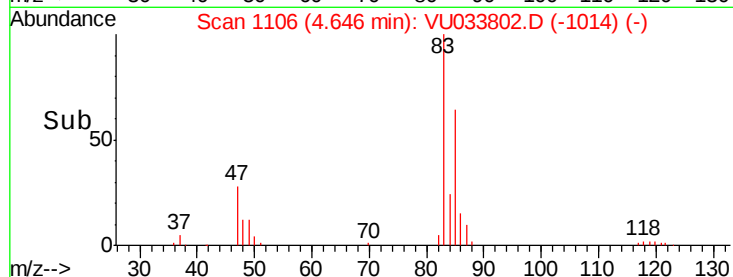
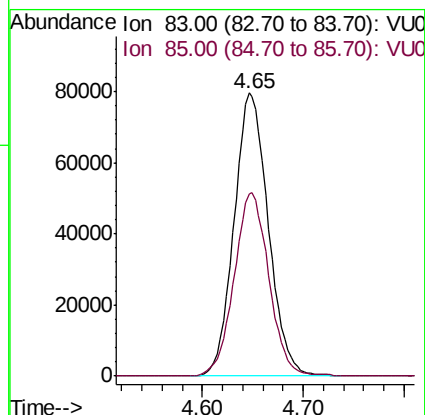
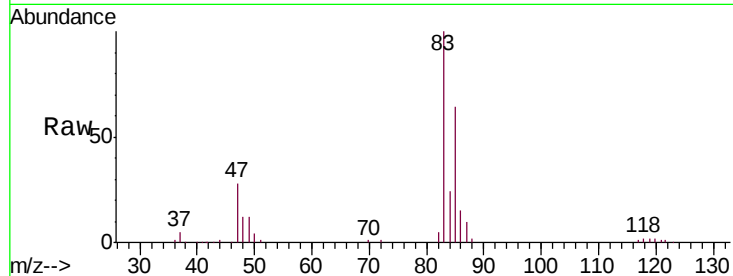




#25
Chloroform
Concen: 4.710 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

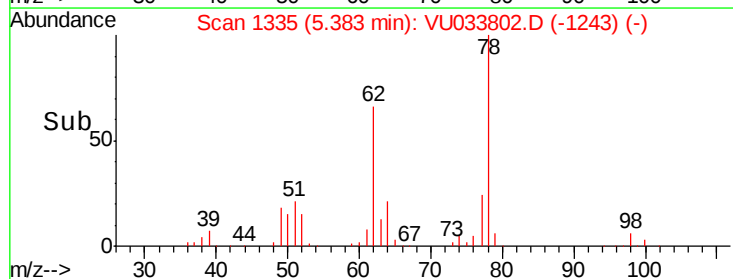
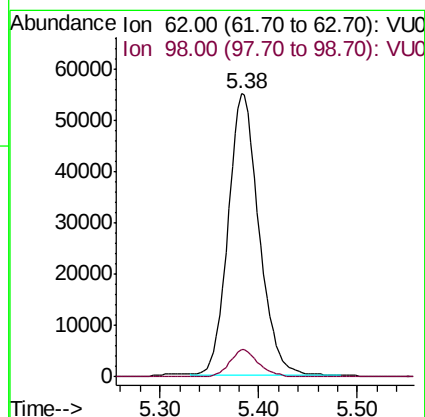
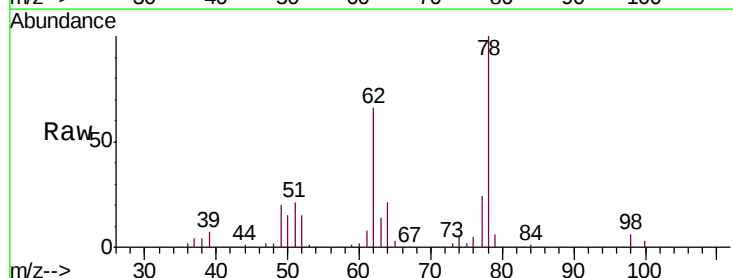
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

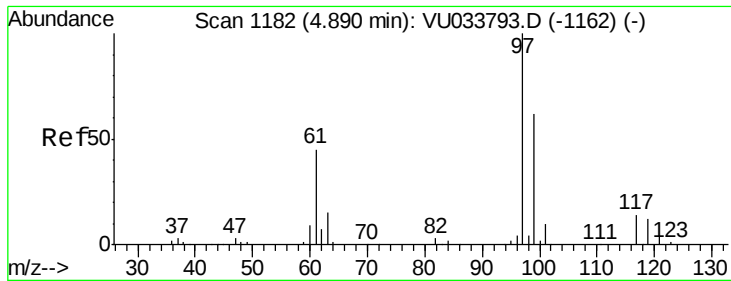
Tgt Ion: 83 Resp: 187317
Ion Ratio Lower Upper
83 100
85 64.3 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.902 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion: 62 Resp: 120131
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

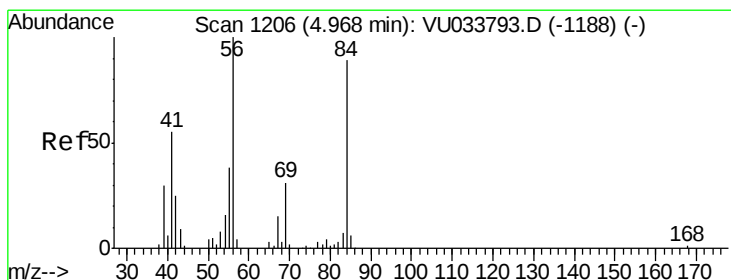
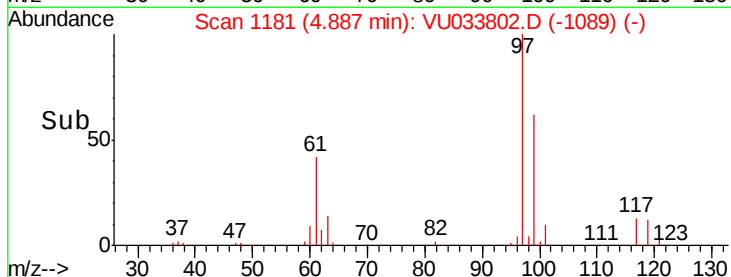
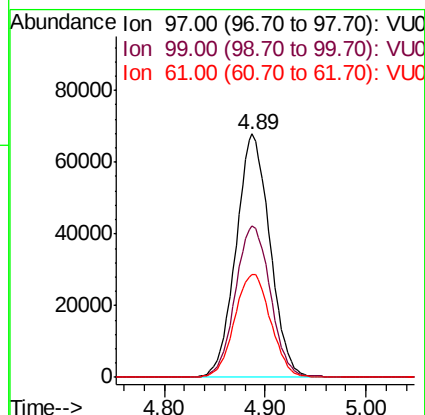
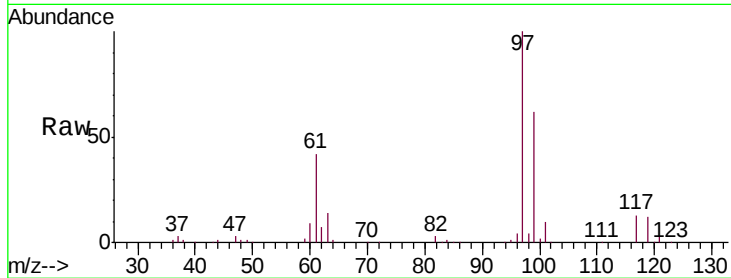




#29
 1,1,1-Trichloroethane
 Concen: 4.971 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

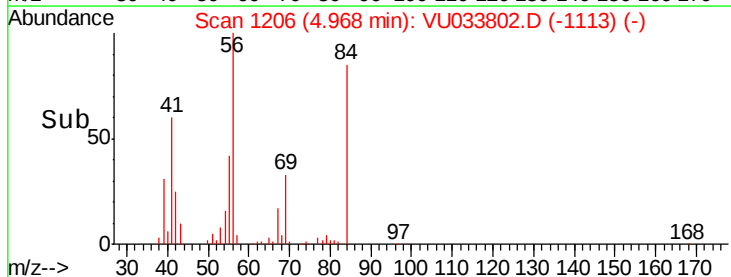
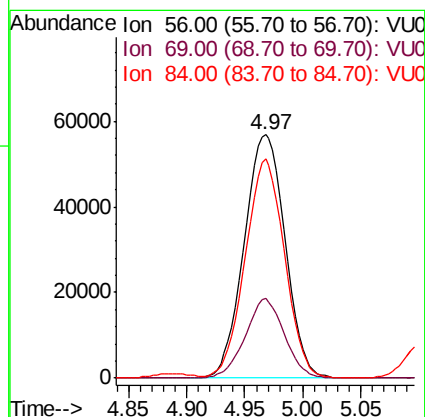
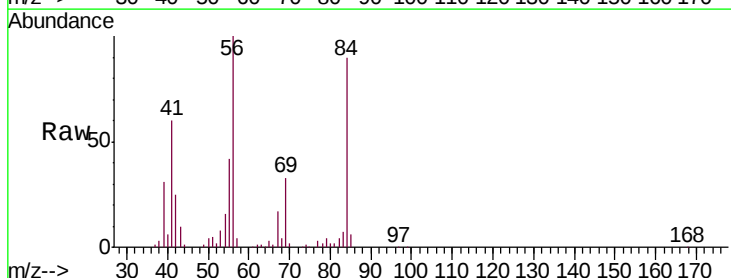
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

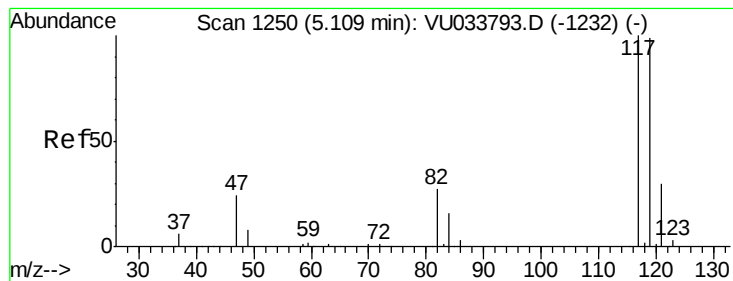
Tgt Ion: 97 Resp: 158572
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.8 76.2
 61 44.9 37.4 56.0



#30
 Cyclohexane
 Concen: 4.840 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion: 56 Resp: 139738
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.2 37.8
 84 86.8 69.8 104.6





#31

Carbon tetrachloride

Concen: 4.962 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

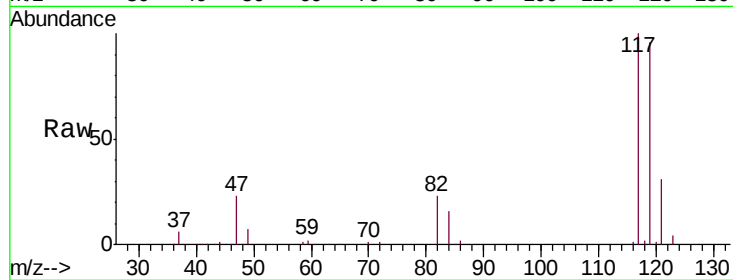
VSTD00508

Tgt Ion:117 Resp: 140855

Ion Ratio Lower Upper

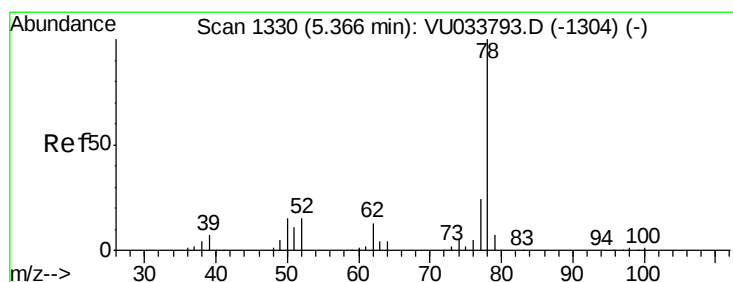
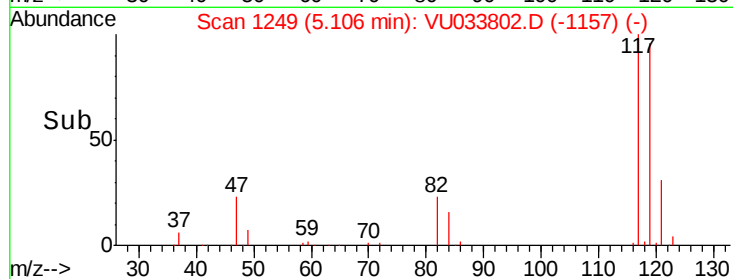
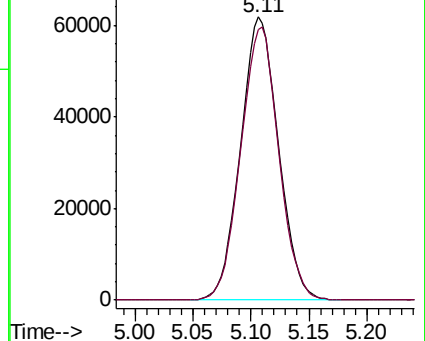
117 100

119 96.6 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.998 ug/L

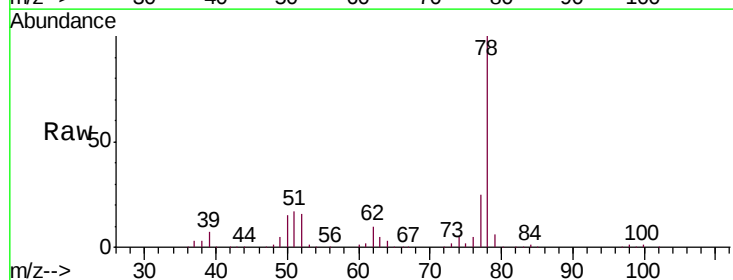
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

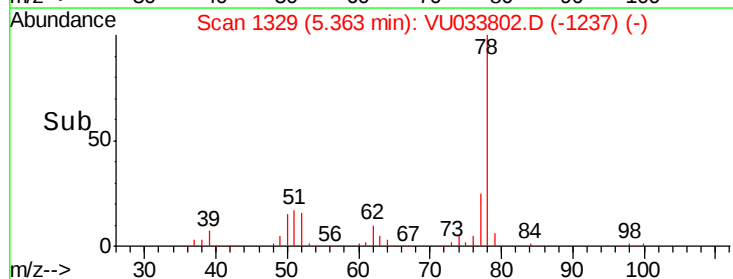
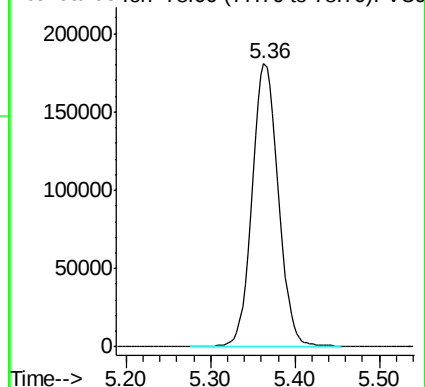
Lab File: VU033802.D

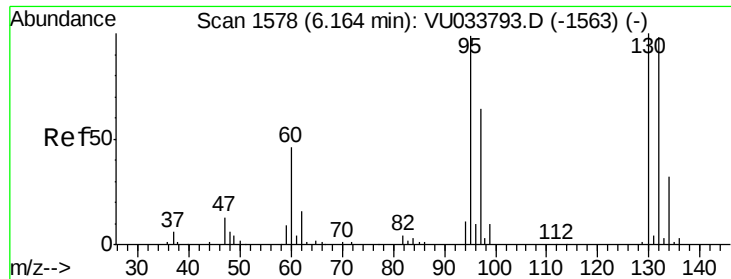
Acq: 15 Aug 2019 10:50

Tgt Ion: 78 Resp: 391912



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 4.906 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tgt Ion: 95 Resp: 100882

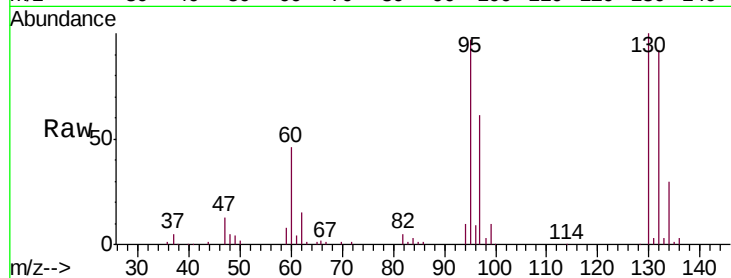
Ion Ratio Lower Upper

95 100

97 62.9 45.4 84.4

132 94.8 68.9 127.9

130 102.8 70.5 130.9

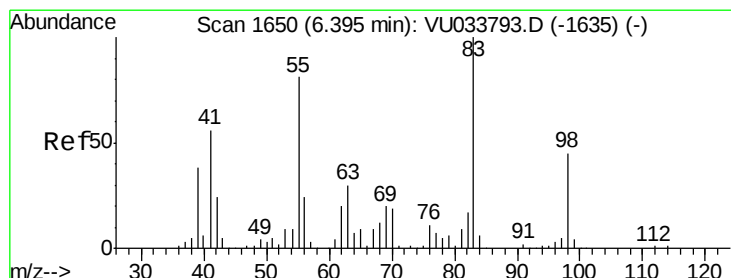
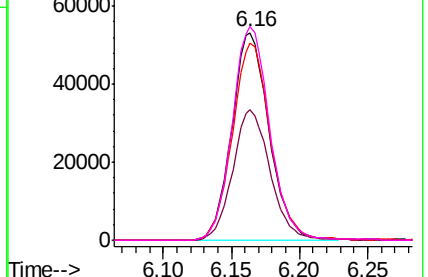
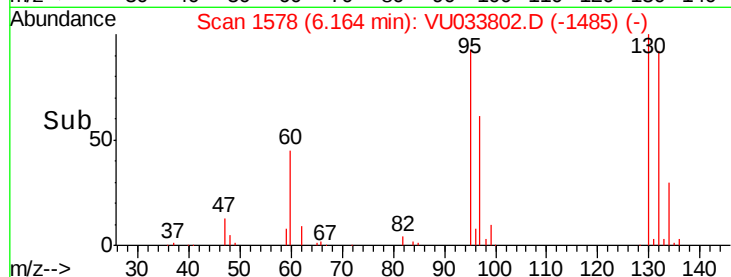


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.006 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

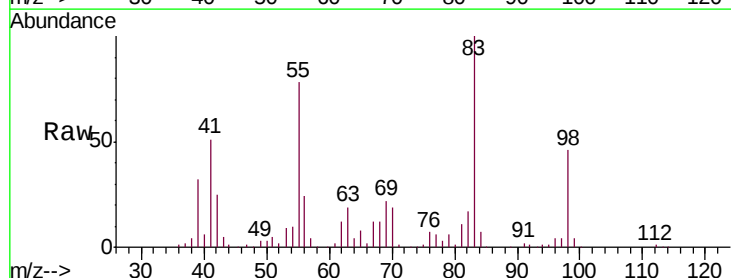
Tgt Ion: 83 Resp: 154345

Ion Ratio Lower Upper

83 100

55 78.5 65.0 97.6

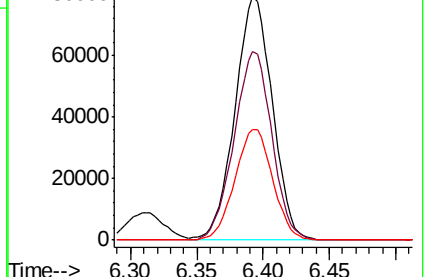
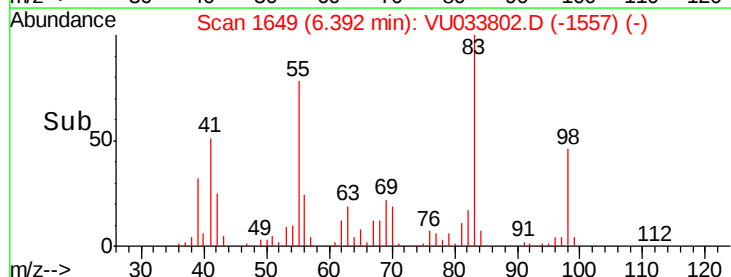
98 46.2 36.2 54.4

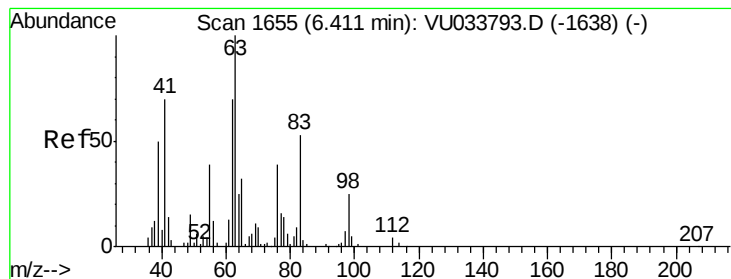


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.931 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

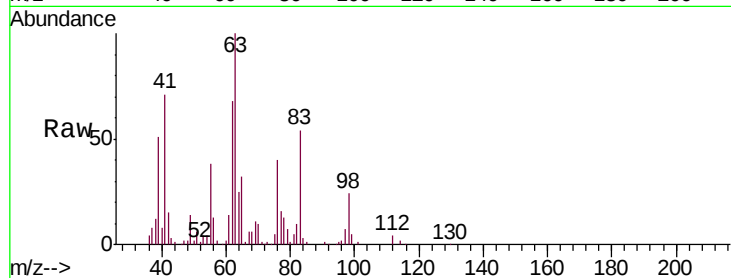
VSTD00508

Tgt Ion: 63 Resp: 104465

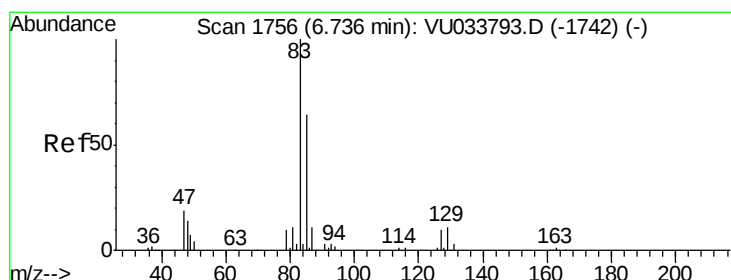
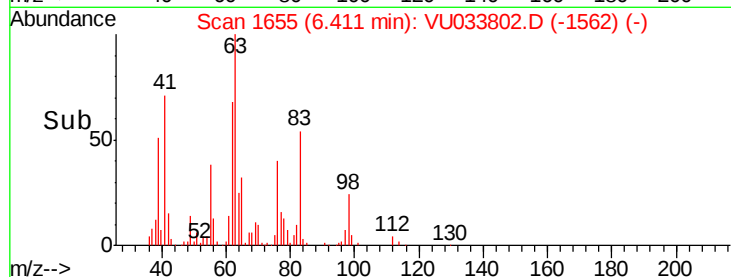
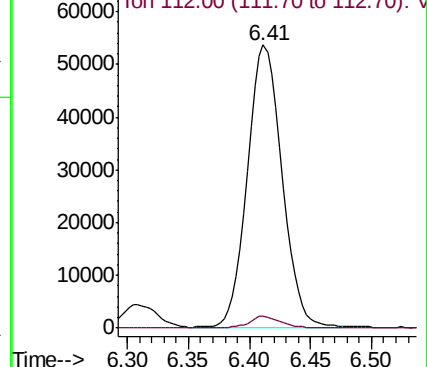
Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VU033793.D (-1638) (-)



#38

Bromodichloromethane

Concen: 4.904 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

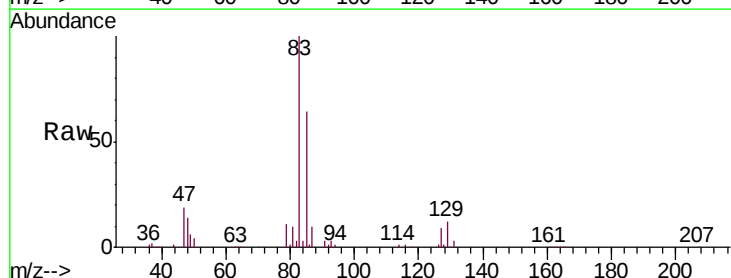
Tgt Ion: 83 Resp: 131031

Ion Ratio Lower Upper

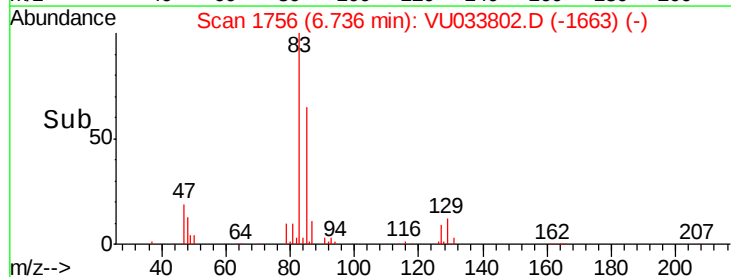
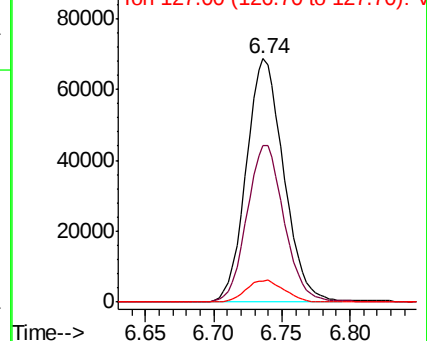
83 100

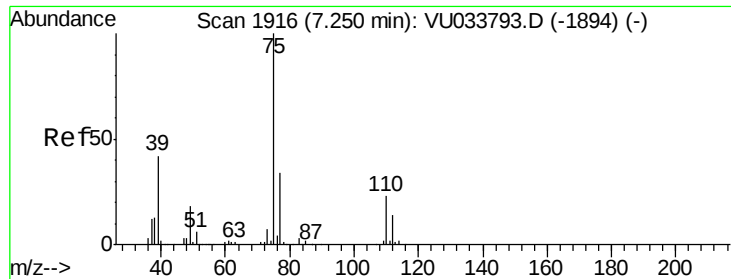
85 64.1 45.0 83.6

127 8.8 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-1742) (-)



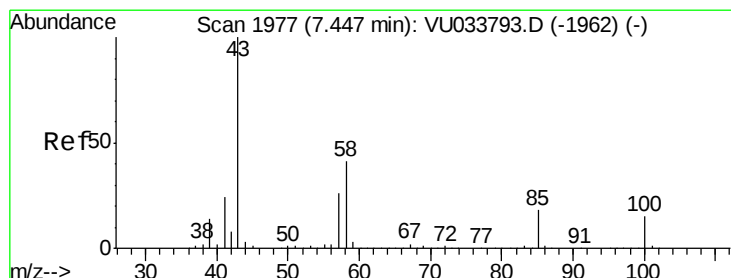
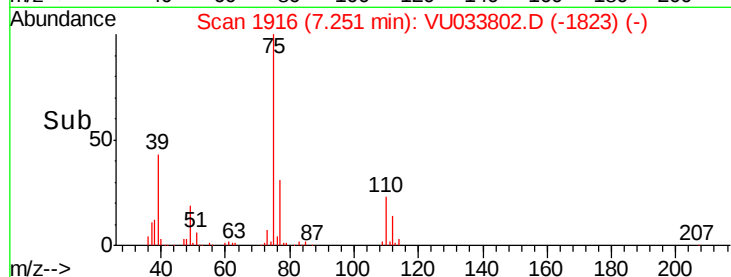
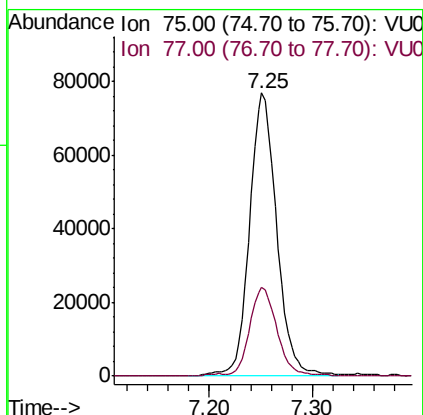
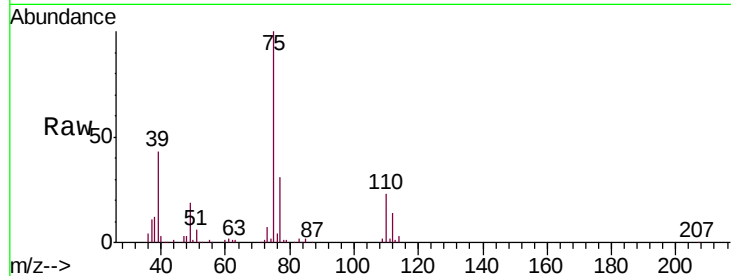


#39

cis-1,3-Dichloropropene
 Concen: 4.926 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

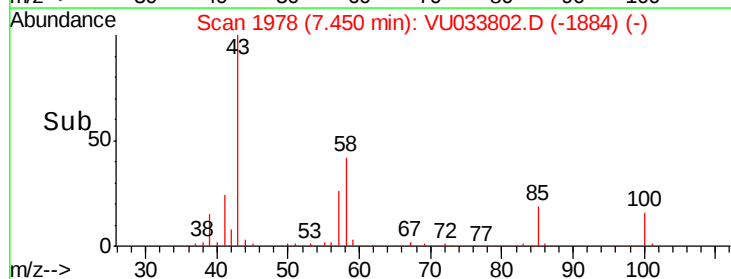
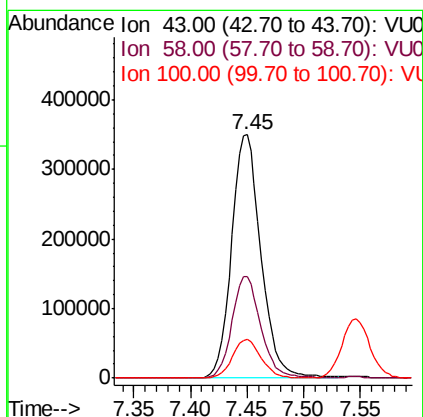
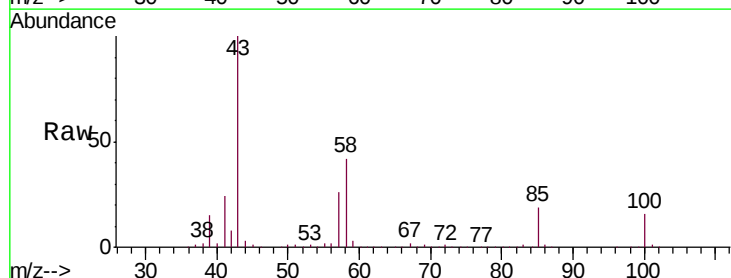
Tgt Ion: 75 Resp: 140845
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.6 43.8

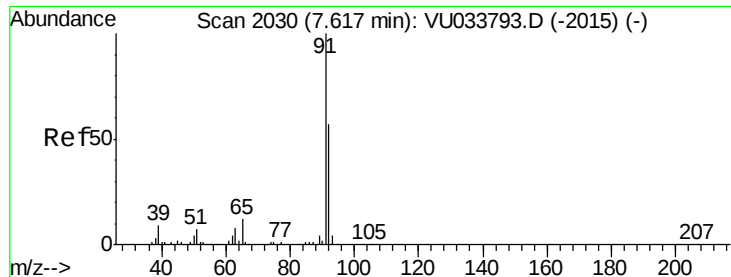


#40

4-Methyl-2-pentanone
 Concen: 51.703 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion: 43 Resp: 633030
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4
 100 15.5 11.9 17.9





#42

Toluene

Concen: 5.181 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

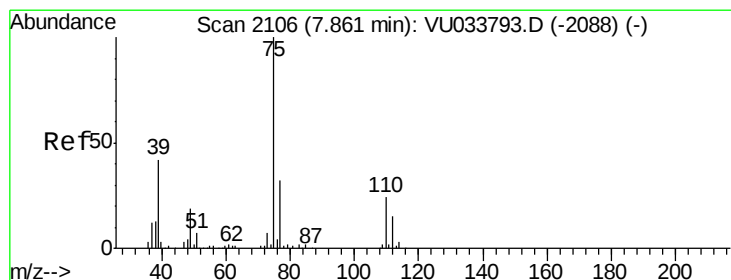
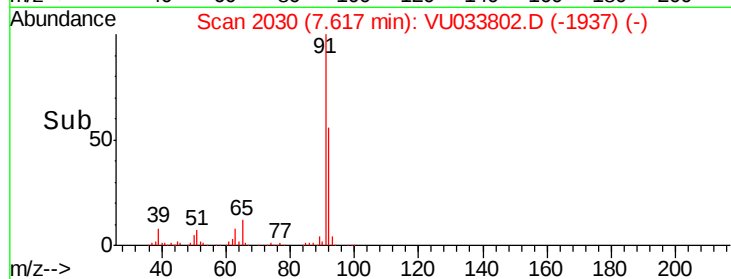
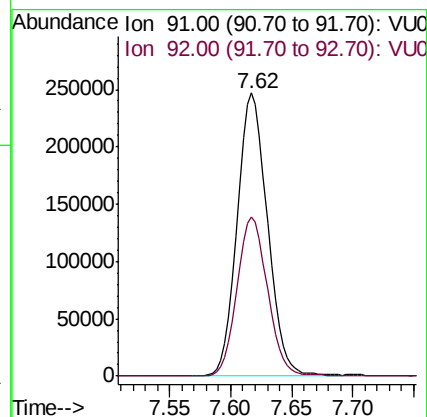
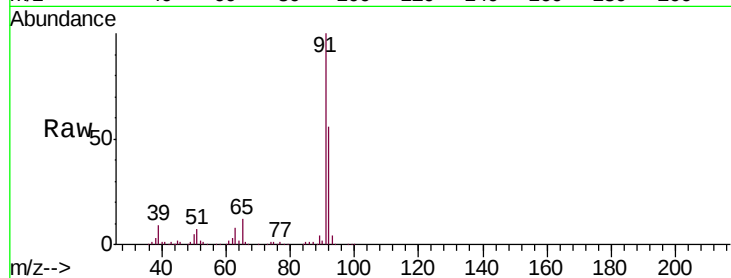
VSTD00508

Tgt Ion: 91 Resp: 426900

Ion Ratio Lower Upper

91 100

92 56.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 4.997 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033802.D

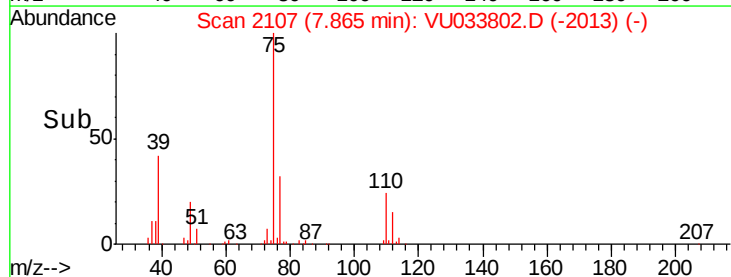
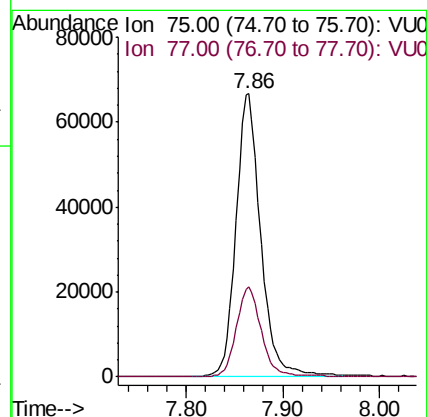
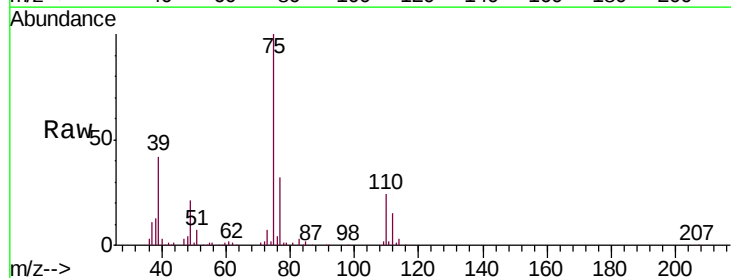
Acq: 15 Aug 2019 10:50

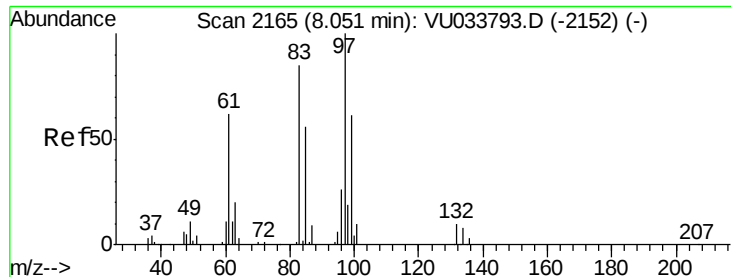
Tgt Ion: 75 Resp: 119440

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3

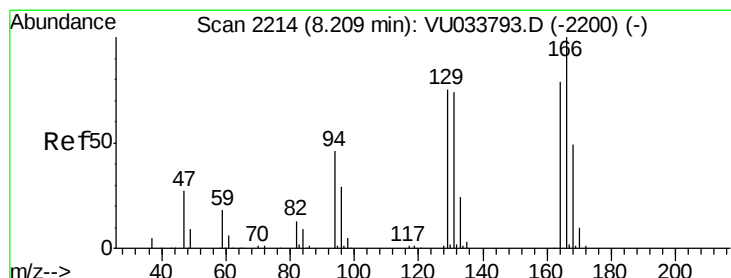
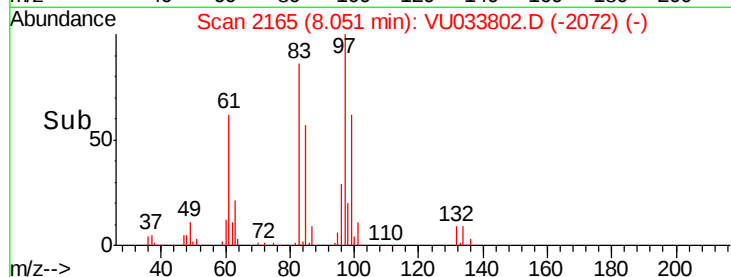
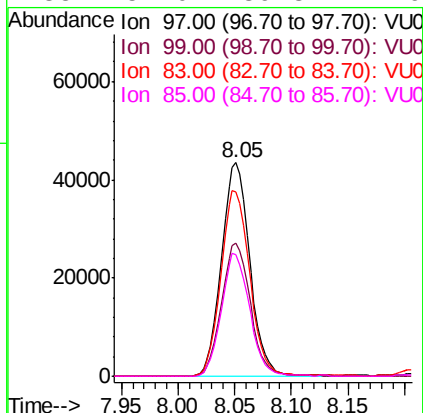
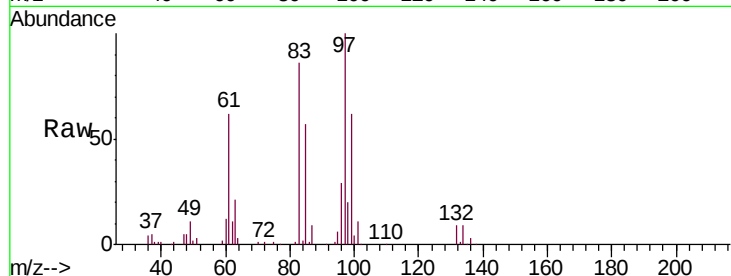




#45
 1,1,2-Trichloroethane
 Concen: 5.021 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

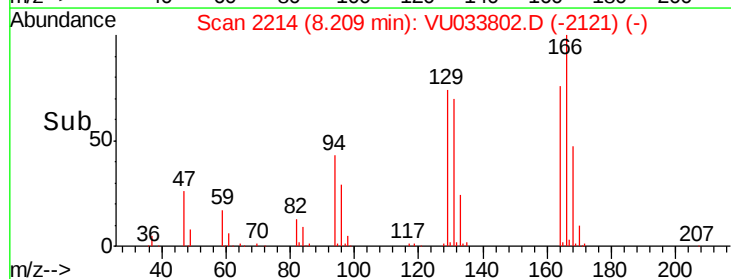
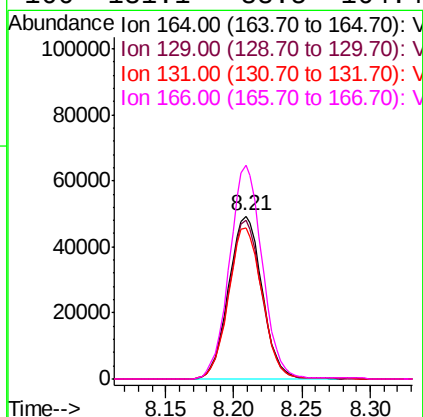
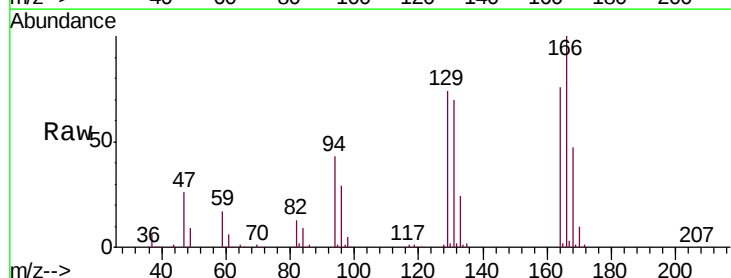
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

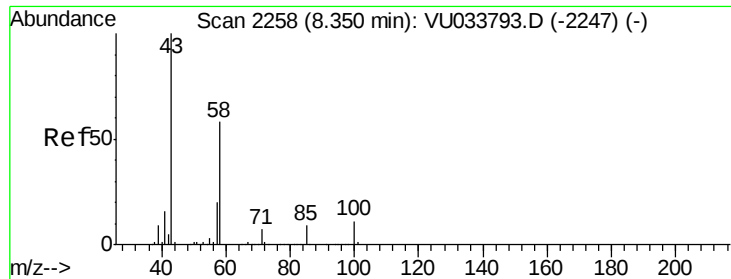
Tgt Ion:	97	Resp:	76013
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.6	79.0
83	86.5	59.8	111.1
85	57.0	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.914 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion:	164	Resp:	84244
Ion	Ratio	Lower	Upper
164	100		
129	97.7	66.1	122.7
131	92.5	65.2	121.2
166	131.1	88.5	164.4

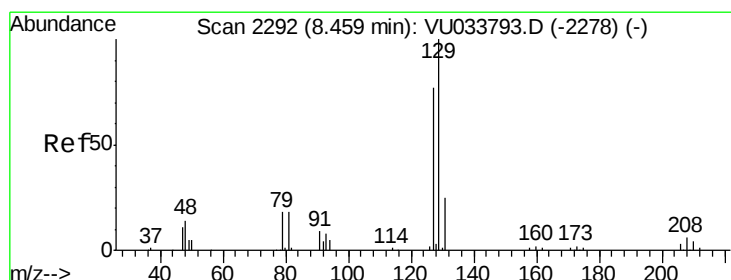
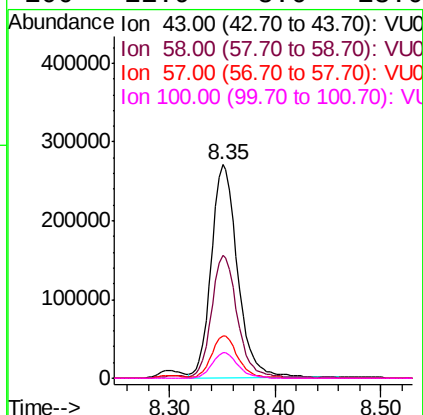
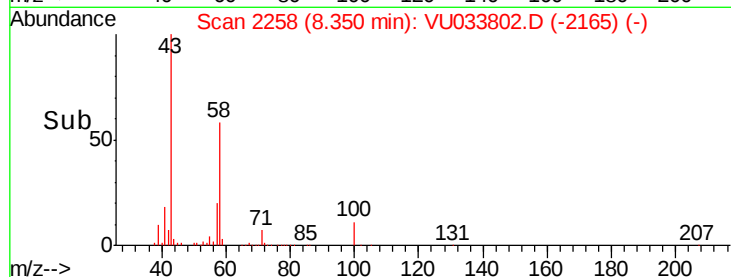
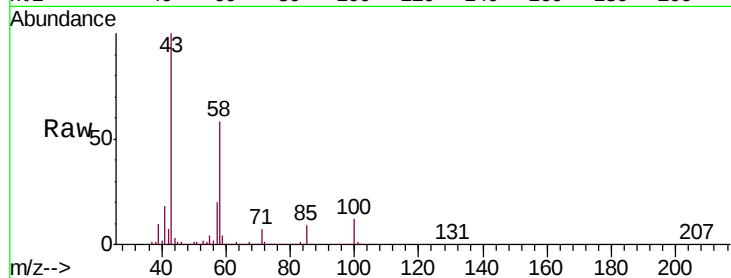




#48
2-Hexanone
Concen: 53.077 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

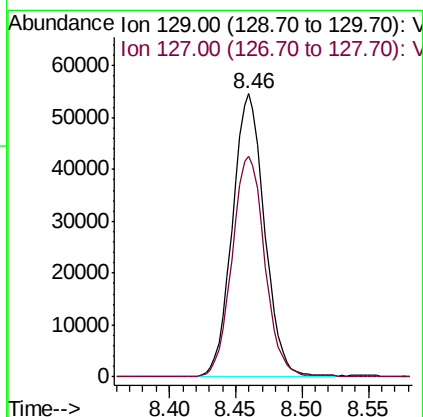
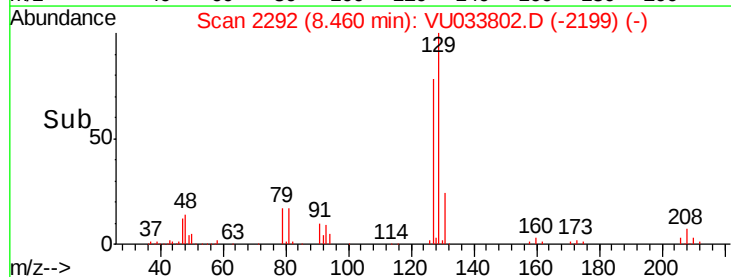
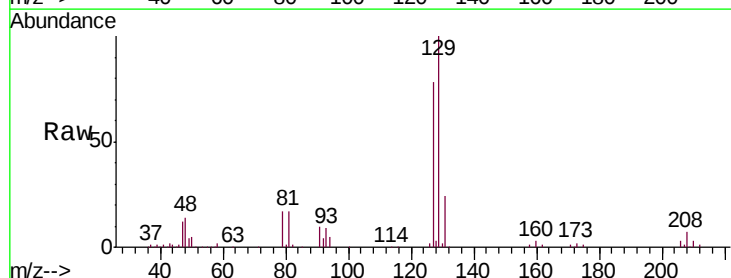
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

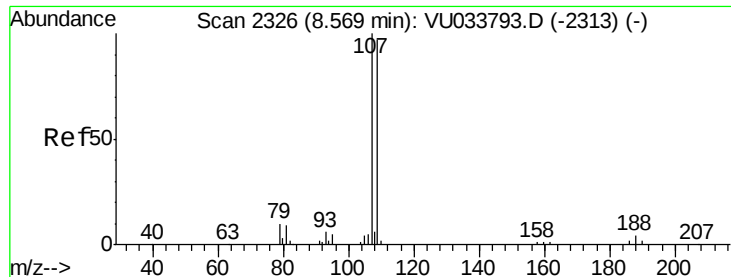
Tgt Ion: 43 Resp: 469970
Ion Ratio Lower Upper
43 100
58 56.5 45.2 67.8
57 19.9 15.7 23.5
100 11.9 8.6 13.0



#49
Dibromochloromethane
Concen: 5.017 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion: 129 Resp: 92093
Ion Ratio Lower Upper
129 100
127 78.2 54.2 100.6

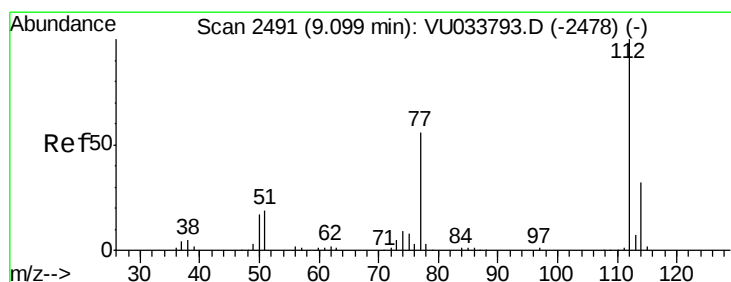
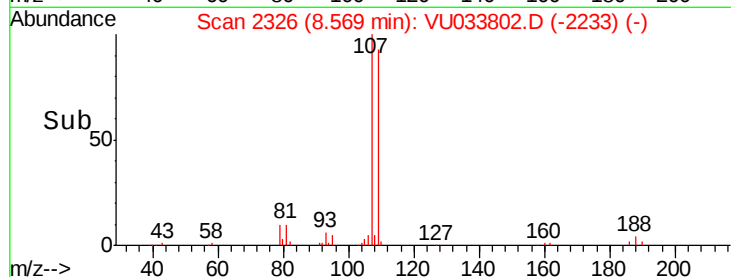
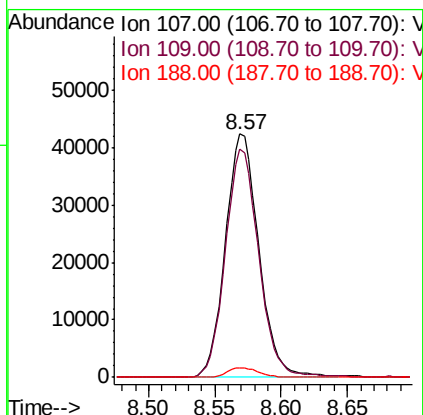
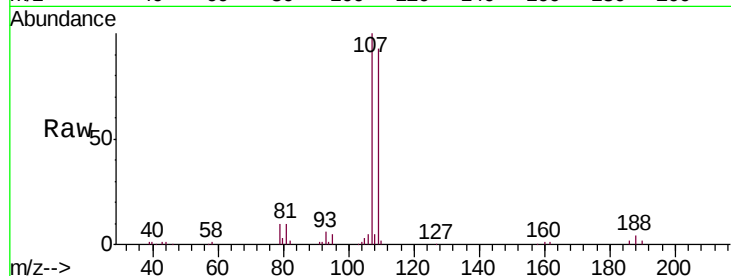




#50
1,2-Dibromoethane
Concen: 5.080 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

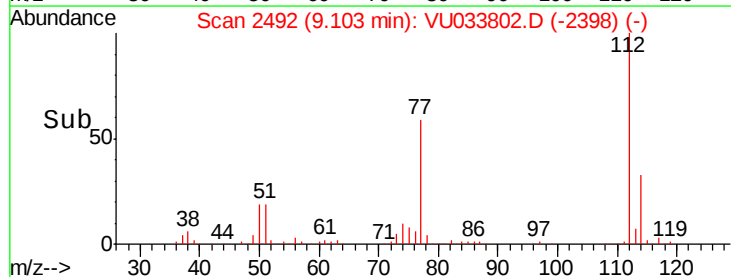
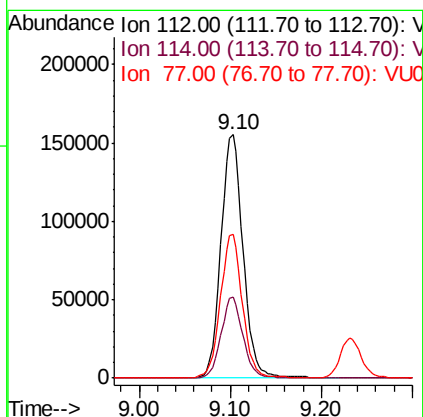
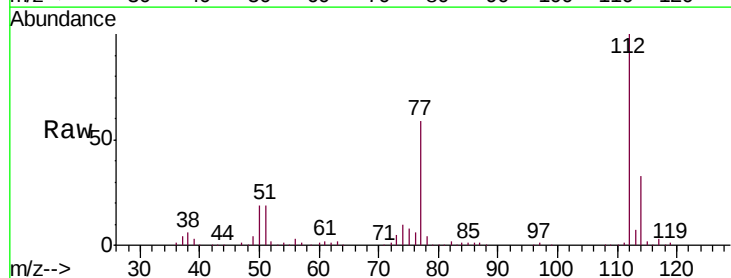
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

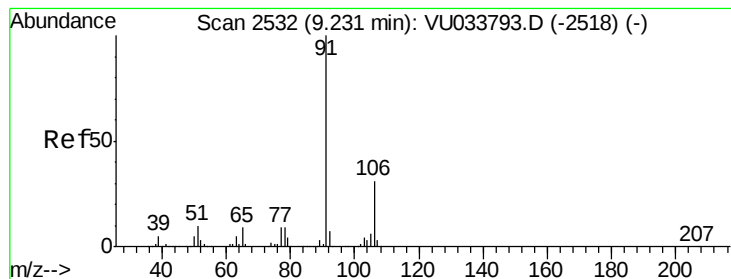
Tgt Ion:107 Resp: 74351
Ion Ratio Lower Upper
107 100
109 93.5 68.3 126.8
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 4.953 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion:112 Resp: 262747
Ion Ratio Lower Upper
112 100
114 33.0 22.5 41.7
77 59.1 45.3 67.9





#52

Ethylbenzene

Concen: 5.117 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

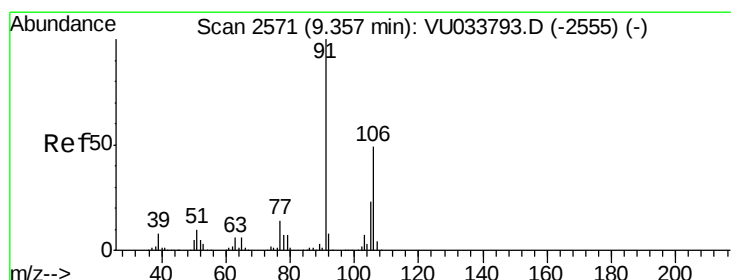
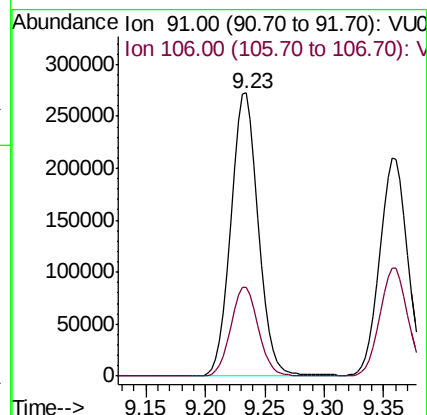
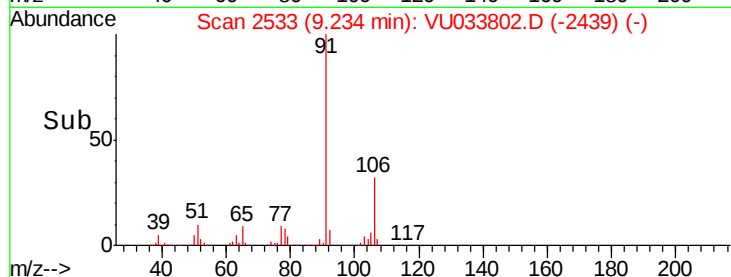
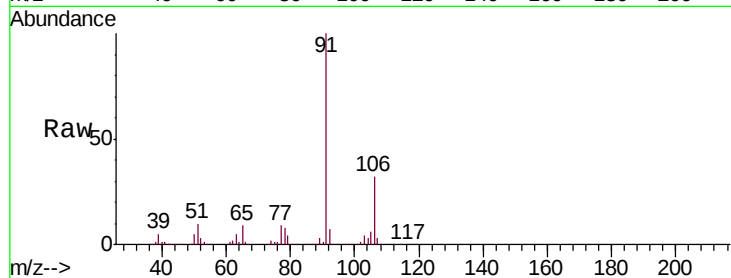
VSTD00508

Tgt Ion: 91 Resp: 436289

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



#53

m,p-Xylene

Concen: 5.322 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033802.D

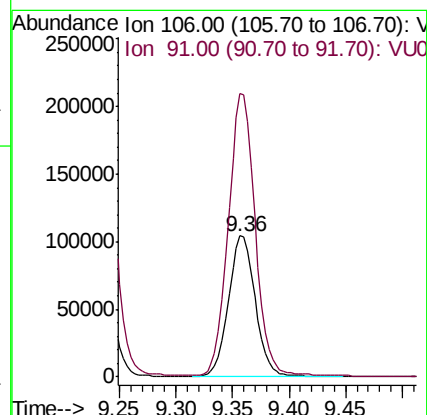
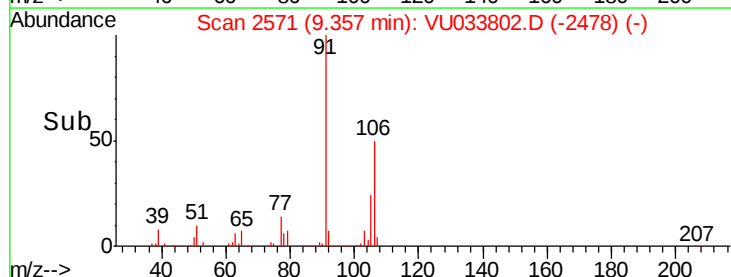
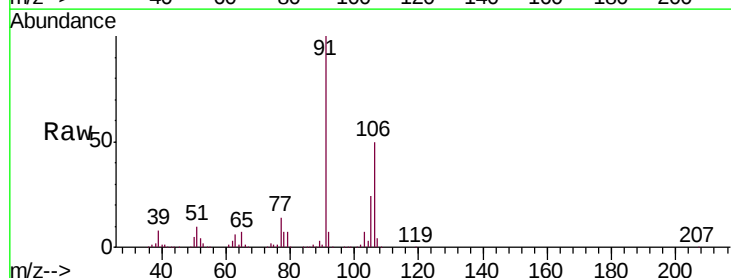
Acq: 15 Aug 2019 10:50

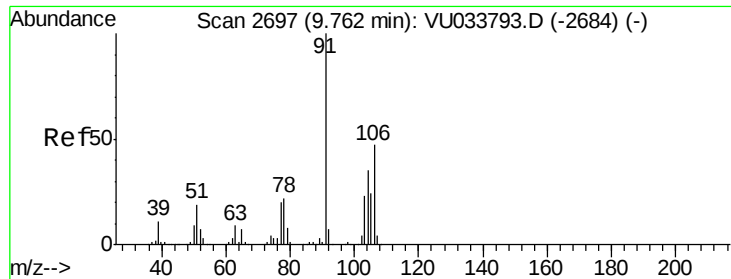
Tgt Ion: 106 Resp: 171126

Ion Ratio Lower Upper

106 100

91 201.2 142.7 265.1

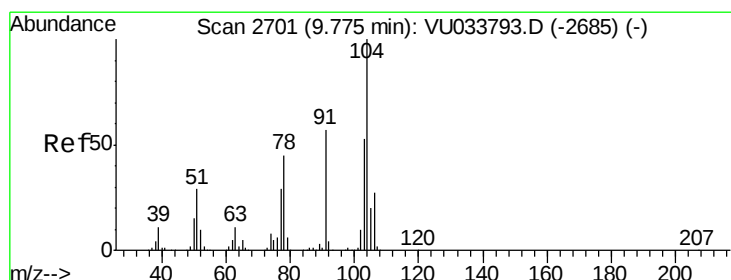
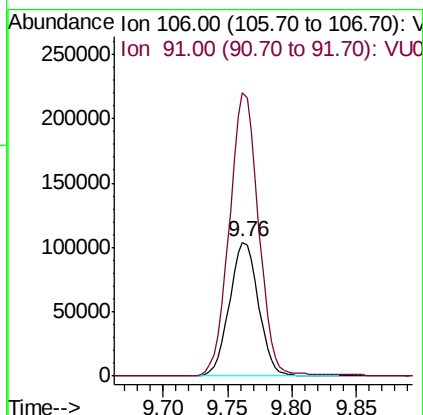
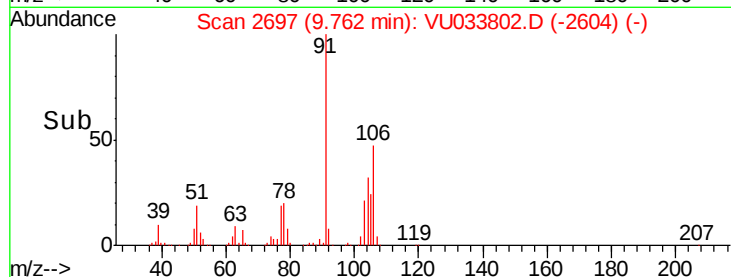
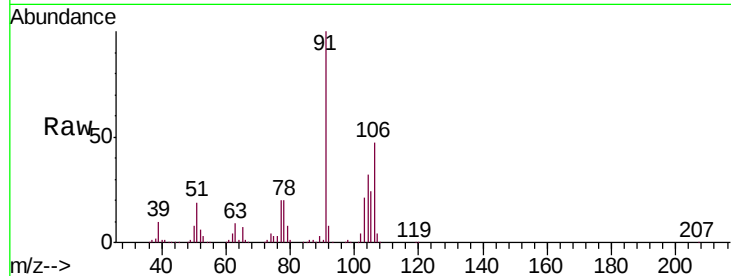




#54
o-Xylene
Concen: 5.352 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

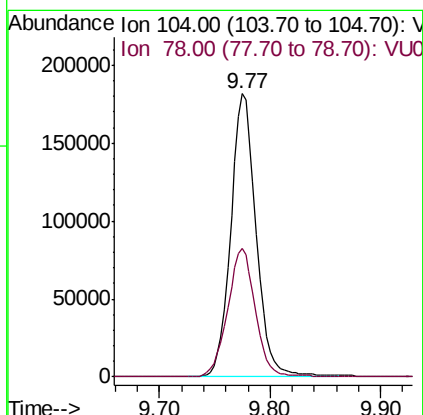
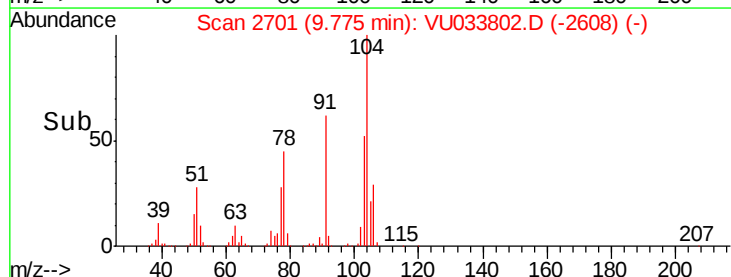
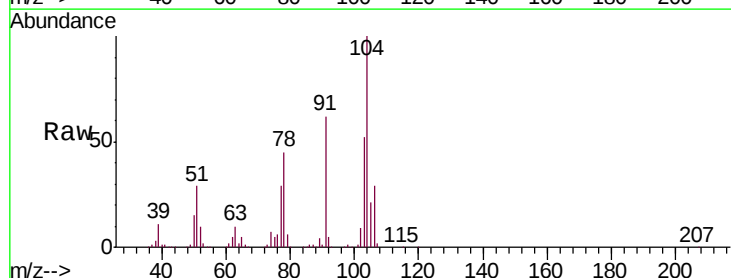
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

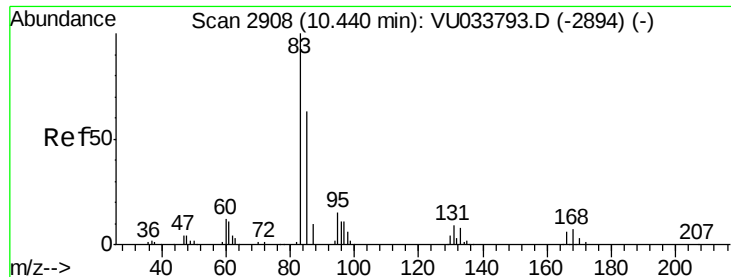
Tgt Ion:106 Resp: 163400
Ion Ratio Lower Upper
106 100
91 211.5 149.5 277.7



#55
Styrene
Concen: 5.468 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion:104 Resp: 289652
Ion Ratio Lower Upper
104 100
78 45.3 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.812 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

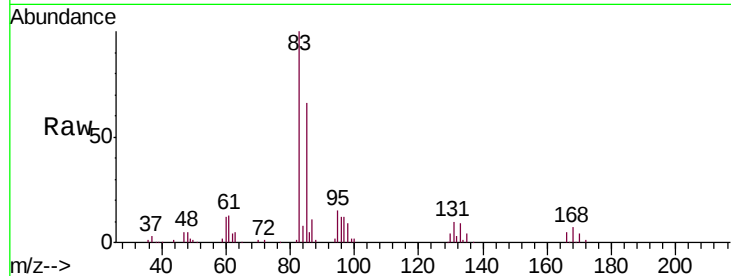
Tgt Ion: 83 Resp: 95695

Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.4

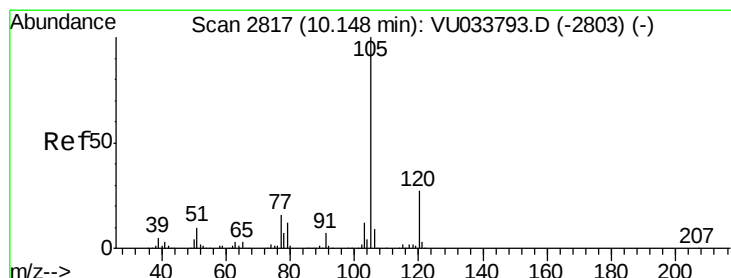
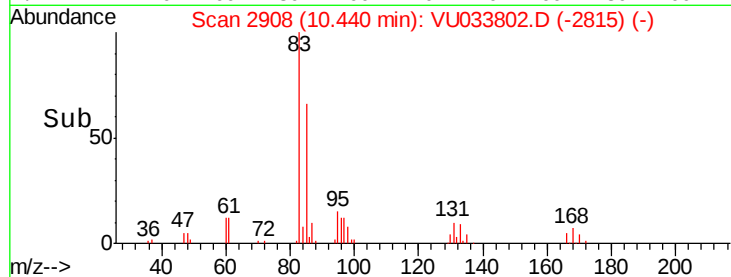
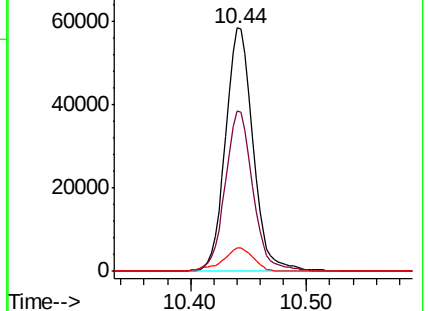
131 9.7 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033793.D (-2894) (-)



#59

Isopropylbenzene

Concen: 5.005 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

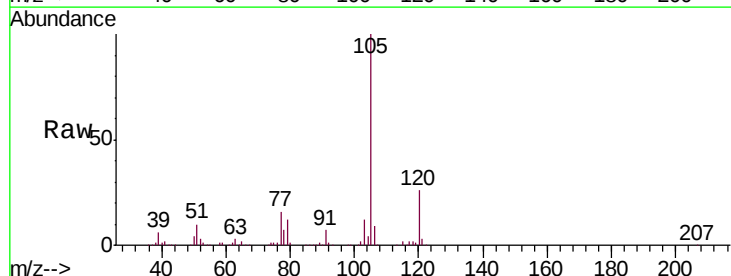
Tgt Ion: 105 Resp: 421569

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

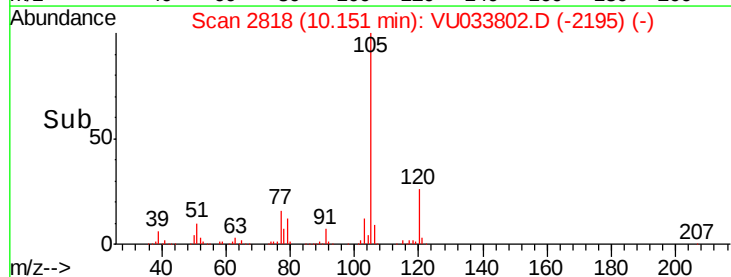
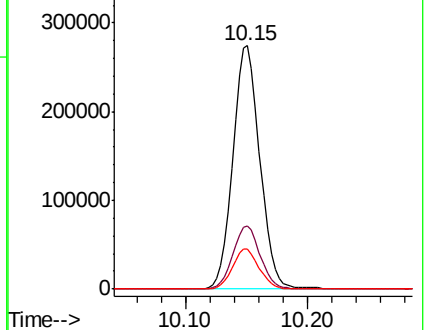
77 16.4 12.8 19.2

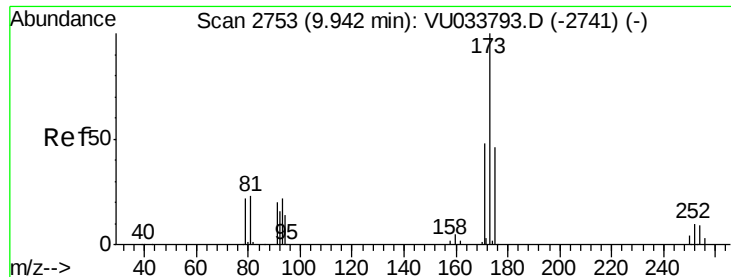


Abundance Ion 105.00 (104.70 to 105.70): VU033793.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033793.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033793.D (-2803) (-)

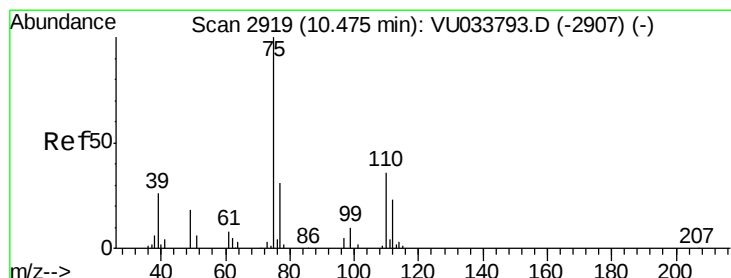
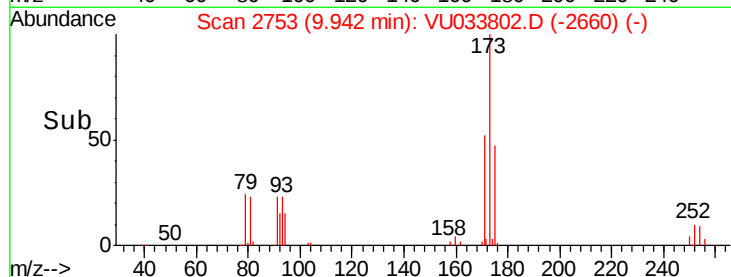
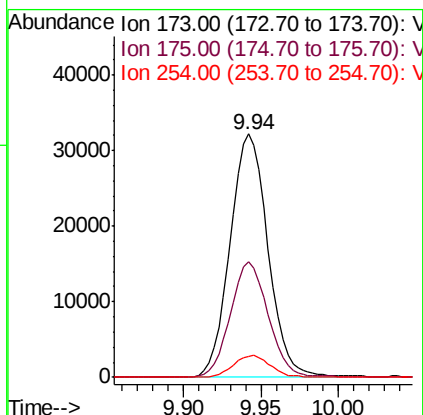
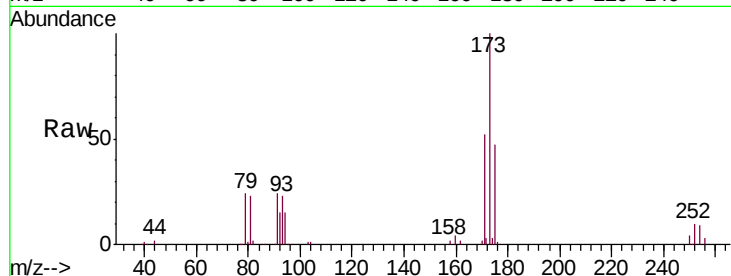




#60
Bromoform
Concen: 4.850 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

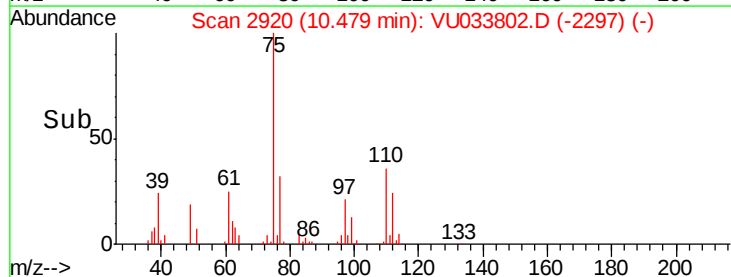
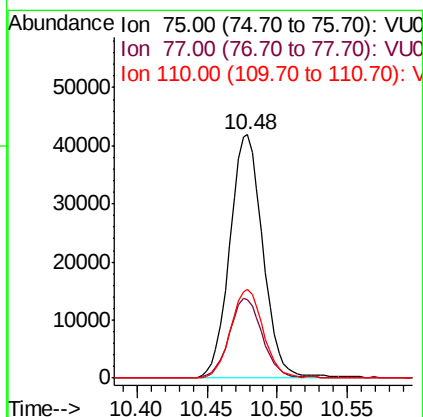
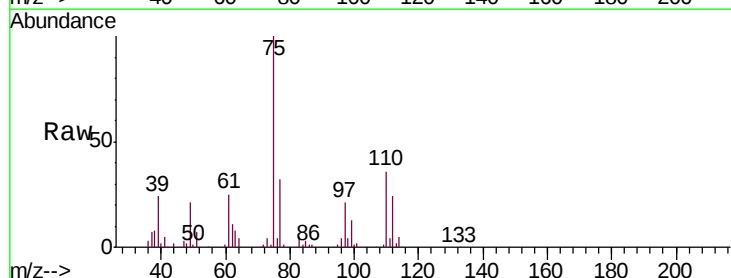
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

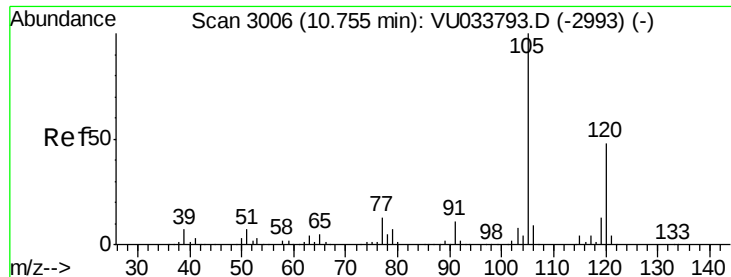
Tgt Ion:173 Resp: 54731
Ion Ratio Lower Upper
173 100
175 47.2 36.6 55.0
254 8.7 7.0 10.4



#61
1,2,3-Trichloropropane
Concen: 4.702 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion: 75 Resp: 68981
Ion Ratio Lower Upper
75 100
77 33.1 25.8 38.6
110 35.7 28.9 43.3





#62

1,3,5-Trimethylbenzene

Concen: 5.084 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033802.D

Acq: 15 Aug 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

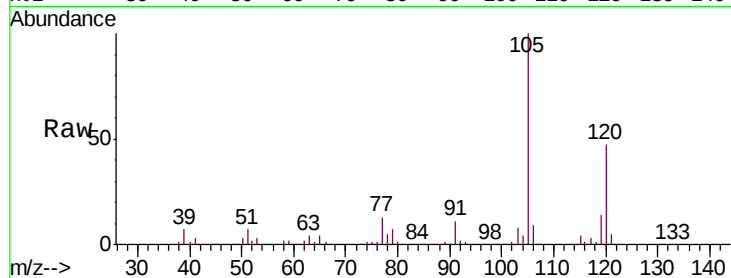
VSTD00508

Tgt Ion:105 Resp: 347477

Ion Ratio Lower Upper

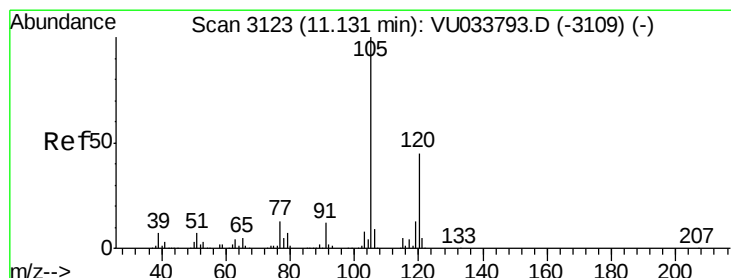
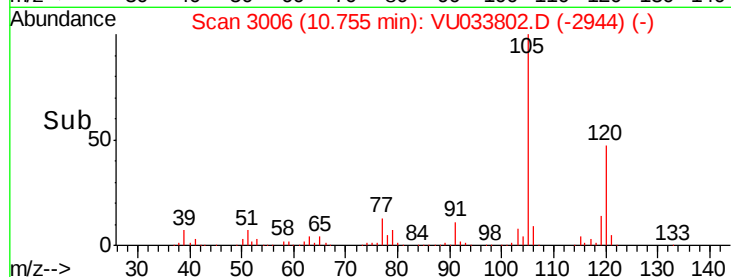
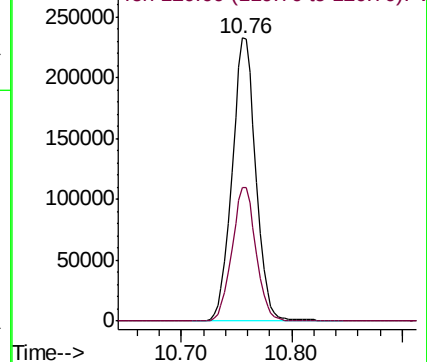
105 100

120 47.6 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.137 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033802.D

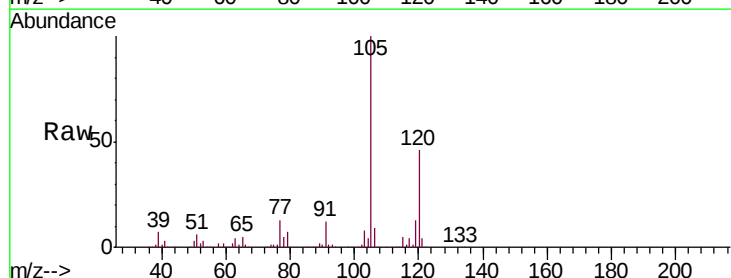
Acq: 15 Aug 2019 10:50

Tgt Ion:105 Resp: 350294

Ion Ratio Lower Upper

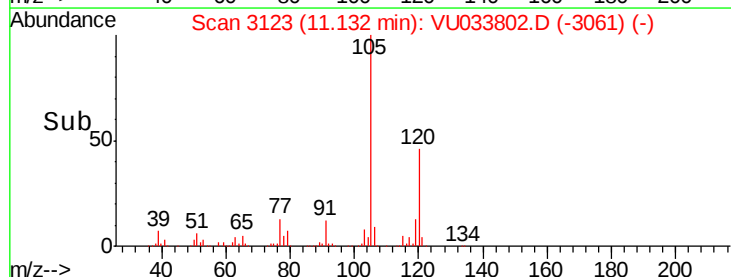
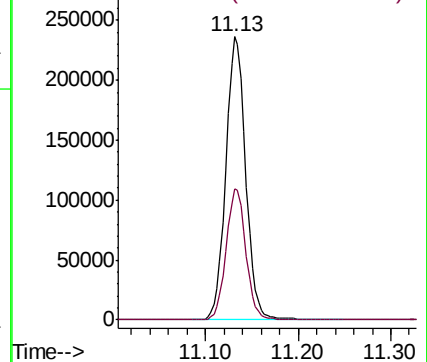
105 100

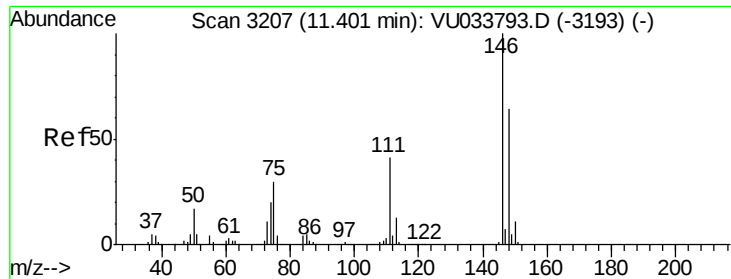
120 46.2 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

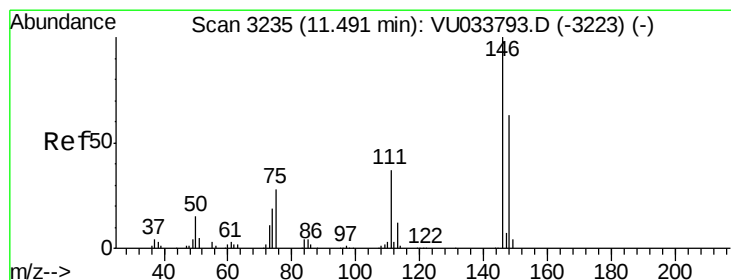
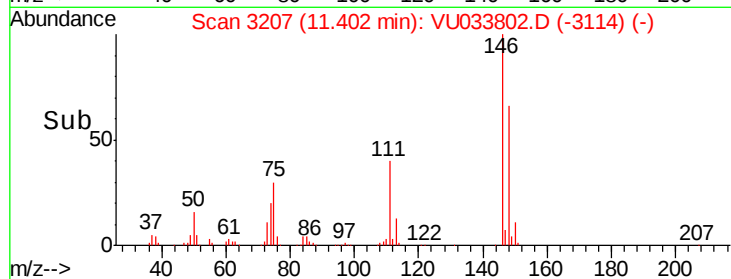
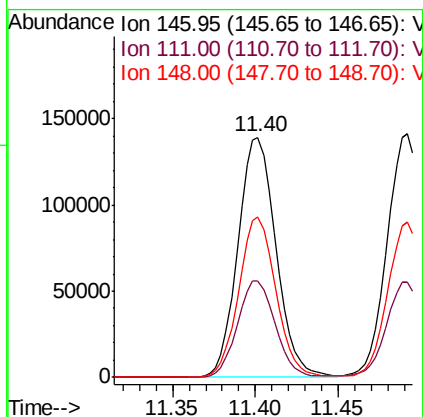
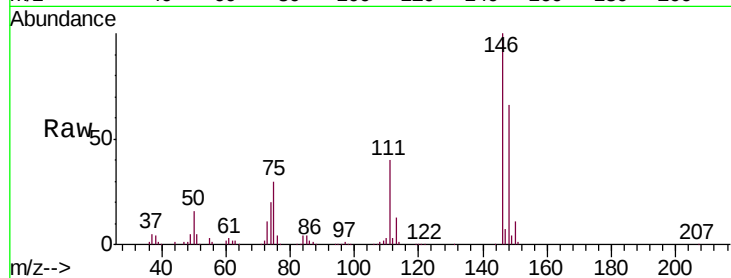




#64
 1,3-Dichlorobenzene
 Concen: 4.944 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

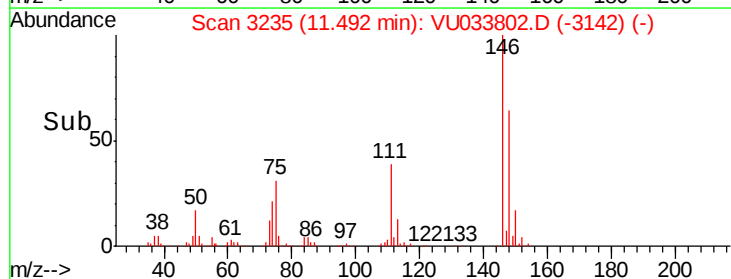
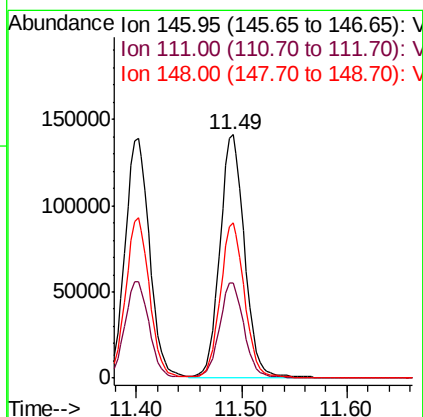
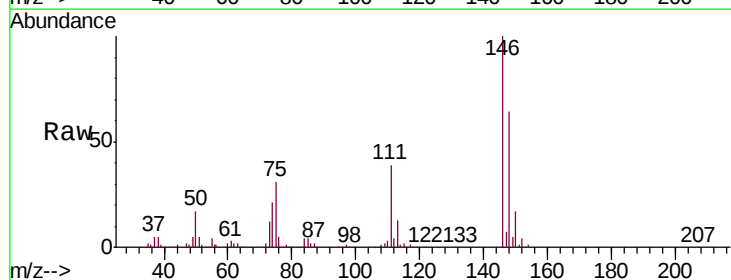
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

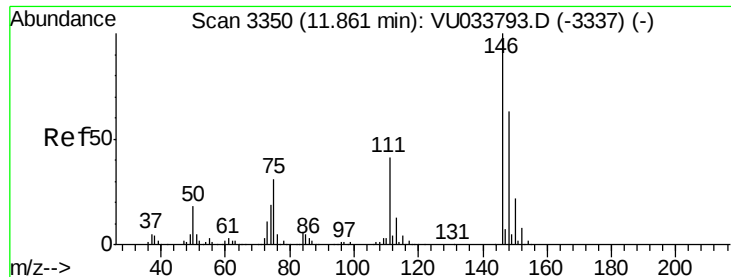
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.5	52.9
148	66.5	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 4.913 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.2	48.8
148	63.6	44.2	82.0

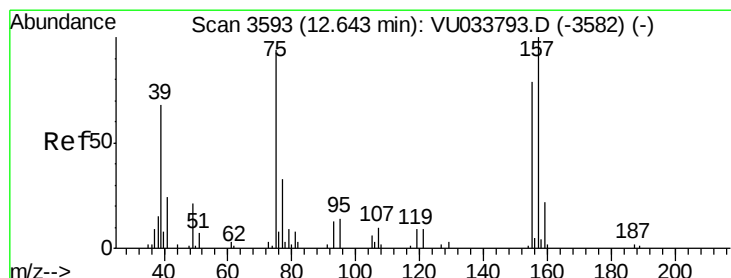
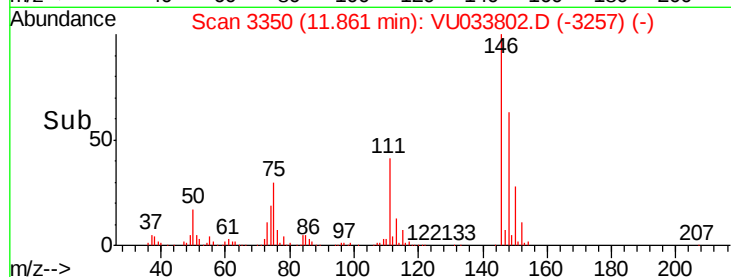
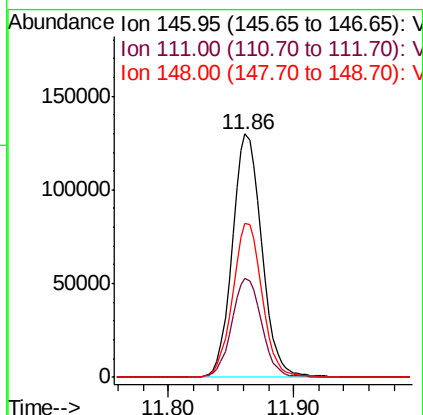
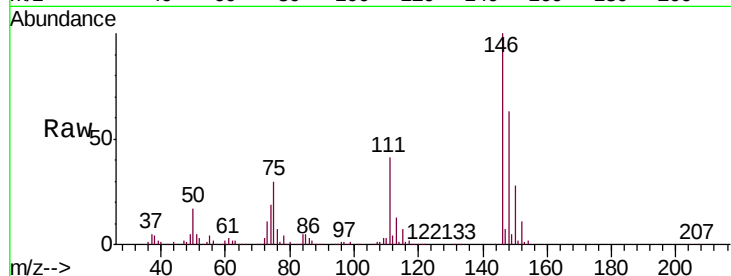




#67
 1,2-Dichlorobenzene
 Concen: 4.868 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

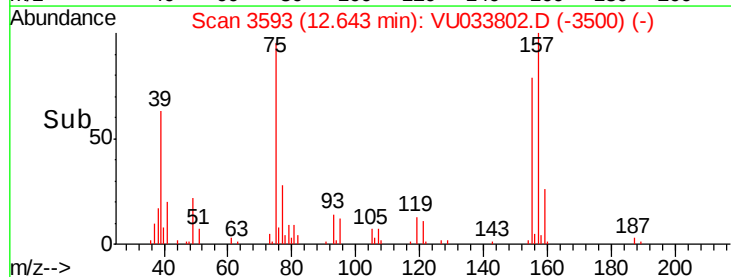
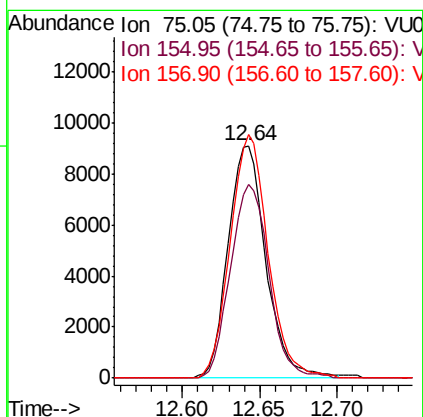
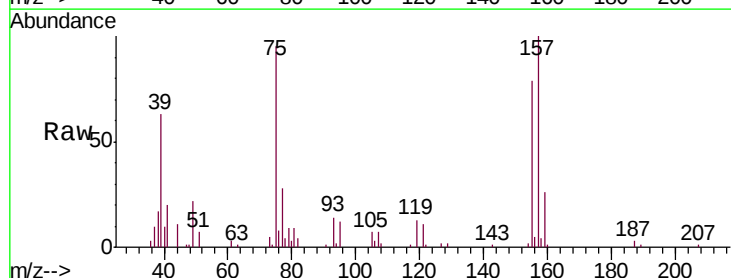
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

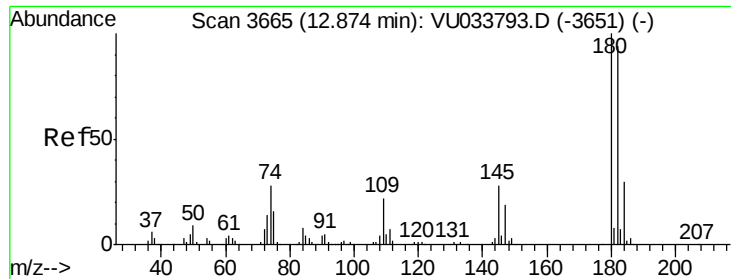
Tgt Ion: 146 Resp: 211691
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.7 49.1
 148 63.3 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.828 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion: 75 Resp: 15462
 Ion Ratio Lower Upper
 75 100
 155 83.3 67.3 100.9
 157 104.9 85.3 127.9

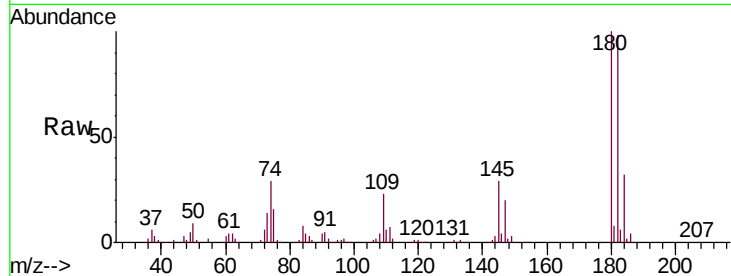




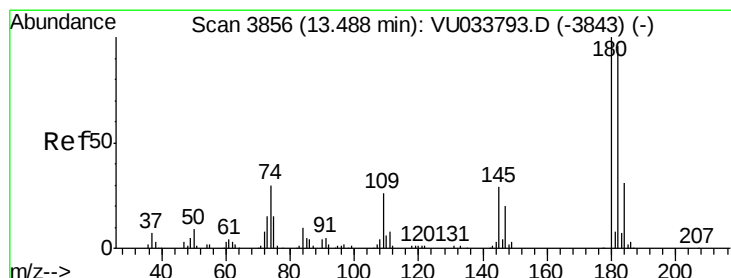
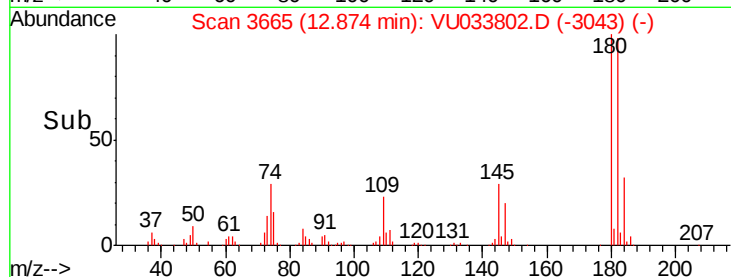
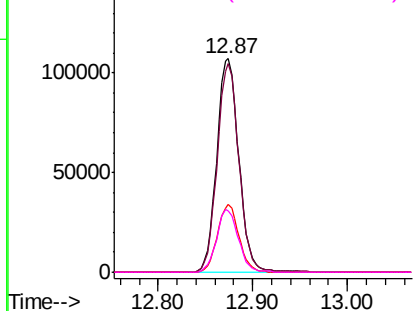
#69
 1,3,5-Trichlorobenzene
 Concen: 4.904 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion:180 Resp: 173722
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 114.8
 184 30.9 24.4 36.6
 145 29.1 23.3 34.9

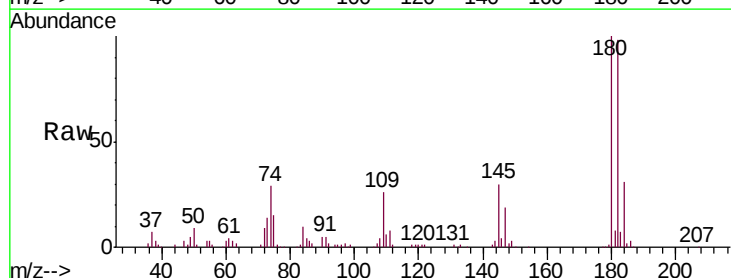


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

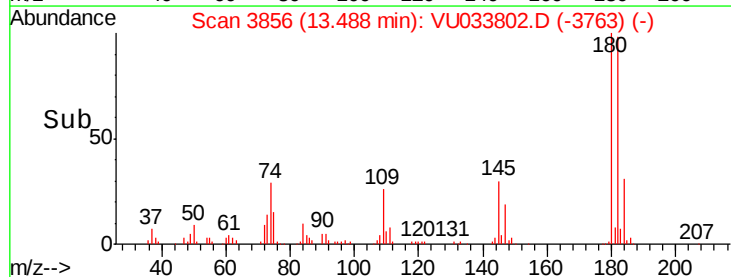
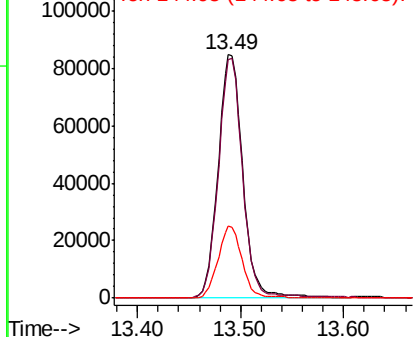


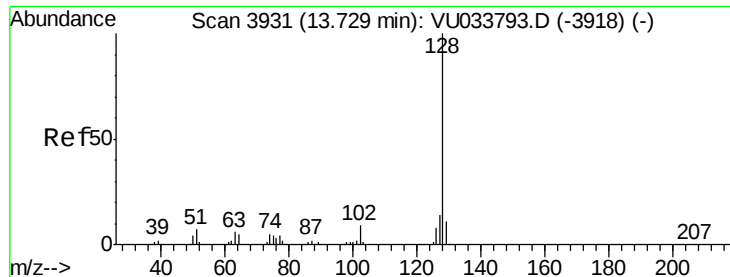
#70
 1,2,4-trichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033802.D
 Acq: 15 Aug 2019 10:50

Tgt Ion:180 Resp: 140980
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.4 116.2
 145 28.6 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

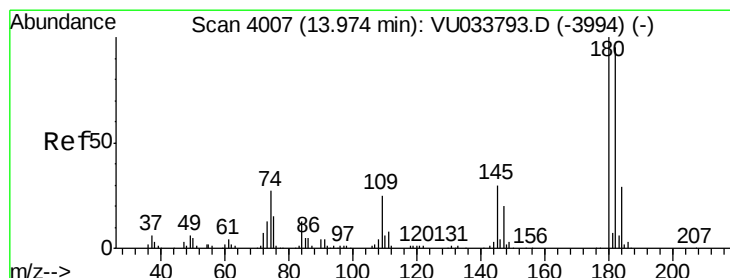
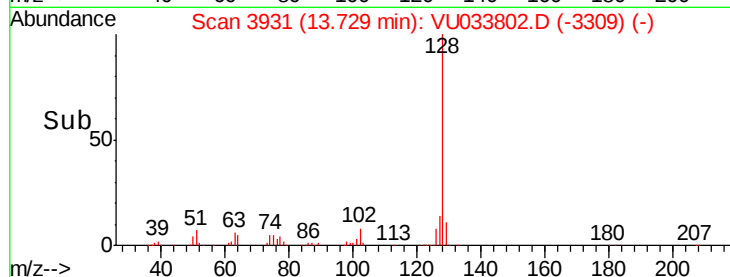
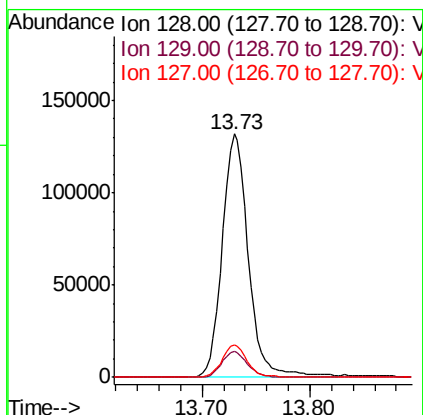
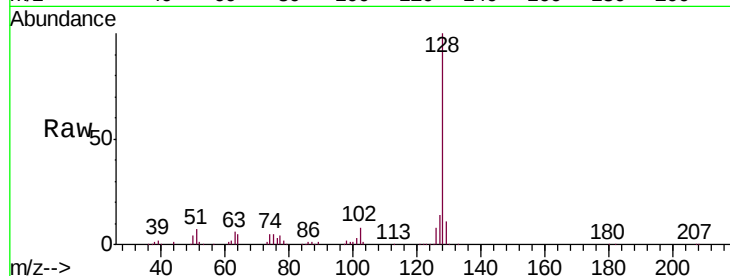




#71
Naphthalene
Concen: 5.250 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tgt Ion:128 Resp: 222898
Ion Ratio Lower Upper
128 100
129 10.3 8.5 12.7
127 13.1 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 5.216 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033802.D
Acq: 15 Aug 2019 10:50

Tgt Ion:180 Resp: 135515
Ion Ratio Lower Upper
180 100
182 95.9 75.7 113.5
145 30.8 24.3 36.5

