

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112119\
 Data File : VU035794.D
 Acq On : 21 Nov 2019 10:16
 Operator : JC/SP
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Quant Time: Nov 21 17:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 17:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	248594	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	275272	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	110228	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	31414	1.16	ug/L	0.00
7) Chloroethane-d5	1.93	69	27082	1.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	57796	1.24	ug/L	0.00
20) 2-Butanone-d5	4.70	46	63705	10.58	ug/L	0.00
24) Chloroform-d	5.11	84	52815	1.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	29232	1.26	ug/L	0.00
32) Benzene-d6	5.77	84	96121	1.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	33558	1.13	ug/L	0.00
41) Toluene-d8	7.93	98	84520	0.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	11992	1.02	ug/L	0.00
46) 2-Hexanone-d5	8.70	63	40134	8.73	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.79	84	27501	1.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	22978	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	32414	1.156 ug/L	98
3) Chloromethane	1.54	50	39386	1.192 ug/L	97
5) Vinyl chloride	1.62	62	38394	1.142 ug/L #	81
6) Bromomethane	1.88	94	20243	1.082 ug/L	99
8) Chloroethane	1.95	64	24341	1.258 ug/L	92
9) Trichlorofluoromethane	2.16	101	47436	1.166 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	26695	1.124 ug/L	96
12) 1,1-Dichloroethene	2.61	96	24582	1.083 ug/L	97
13) Acetone	2.67	43	63406	13.992 ug/L	96
14) Carbon disulfide	2.82	76	83441	1.130 ug/L	96
15) Methyl Acetate	3.00	43	13081	1.276 ug/L	98
16) Methylene chloride	3.08	84	31850	1.183 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	55054	1.026 ug/L	98
18) trans-1,2-Dichloroethene	3.40	96	24048	1.038 ug/L	98
19) 1,1-Dichloroethane	3.92	63	55421	1.233 ug/L	98
21) 2-Butanone	4.78	43	70326	10.822 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	26928	1.052 ug/L	98
23) Bromochloromethane	5.03	128	11640	0.970 ug/L	96
25) Chloroform	5.14	83	52515	1.089 ug/L	99
27) 1,2-Dichloroethane	5.84	62	34952	1.269 ug/L #	89
29) 1,1,1-Trichloroethane	5.37	97	42729	1.132 ug/L	98
30) Cyclohexane	5.43	56	37030	0.981 ug/L	97
31) Carbon tetrachloride	5.57	117	35829	1.063 ug/L	100
33) Benzene	5.82	78	103947	1.028 ug/L	100
34) Trichloroethene	6.58	95	27170	1.065 ug/L	90
35) Methylcyclohexane	6.80	83	35001	0.915 ug/L	97
37) 1,2-Dichloropropane	6.83	63	30898	1.144 ug/L	100
38) Bromodichloromethane	7.15	83	37489	1.150 ug/L	94
39) cis-1,3-Dichloropropene	7.65	75	36519	0.966 ug/L	99
40) 4-Methyl-2-pentanone	7.85	43	165326	10.484 ug/L	98

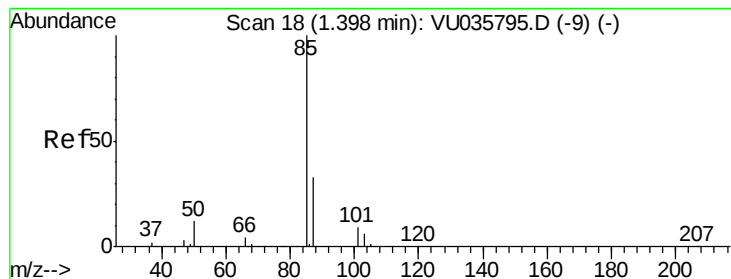
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112119\
 Data File : VU035794.D
 Acq On : 21 Nov 2019 10:16
 Operator : JC/SP
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Quant Time: Nov 21 17:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 17:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	102740	0.970	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	29537	0.971	ug/L	93
45) 1,1,2-Trichloroethane	8.44	97	19997	1.057	ug/L	96
47) Tetrachloroethene	8.58	164	20589	0.958	ug/L	93
48) 2-Hexanone	8.75	43	127622	11.260	ug/L	95
49) Dibromochloromethane	8.84	129	23148	1.001	ug/L	93
50) 1,2-Dibromoethane	8.96	107	17733	0.994	ug/L	84
51) Chlorobenzene	9.48	112	65792	0.969	ug/L	97
52) Ethylbenzene	9.60	91	102286	0.926	ug/L	97
53) m,p-Xylene	9.73	106	32148	0.778	ug/L	99
54) o-Xylene	10.13	106	34207	0.859	ug/L	92
55) Styrene	10.15	104	47963	0.722	ug/L	97
56) Isopropylbenzene	10.51	105	83799	0.793	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.82	83	27780	1.116	ug/L	98
59) 1,2,3-Trichloropropane	10.86	75	19656	1.107	ug/L	97
61) Bromoform	10.32	173	12693	1.260	ug/L #	99
62) 1,3-Dichlorobenzene	11.78	146	36662	0.977	ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	35011	0.968	ug/L	98
65) 1,2-Dichlorobenzene	12.25	146	34877	0.994	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	3269	1.402	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	17437	0.732	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	9379	0.655	ug/L	98
69) Naphthalene	14.11	128	13239	0.743	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	9693	0.701	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.156 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

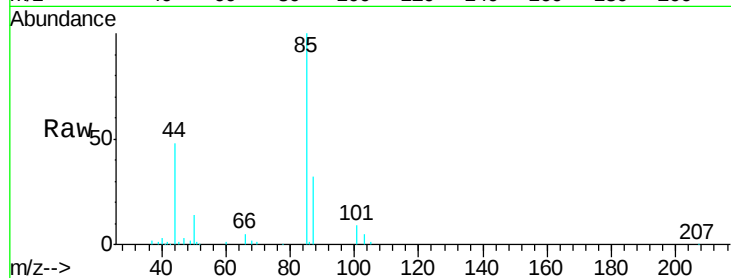
VSTD00104

Tgt Ion: 85 Resp: 32414

Ion Ratio Lower Upper

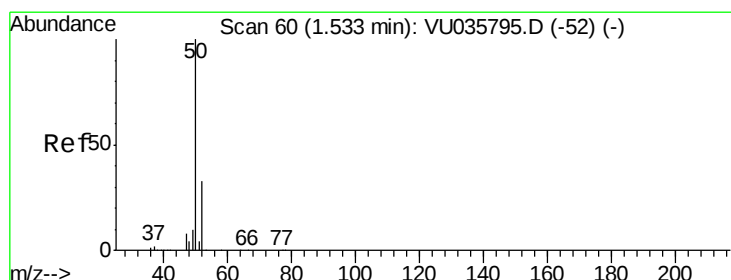
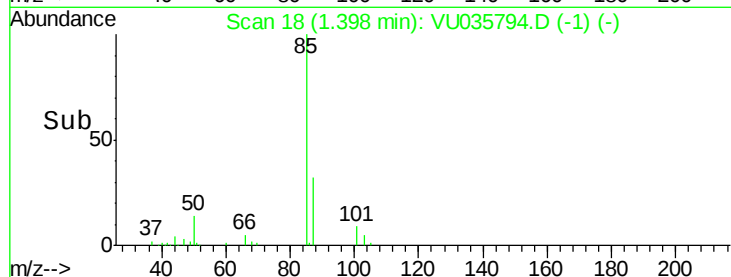
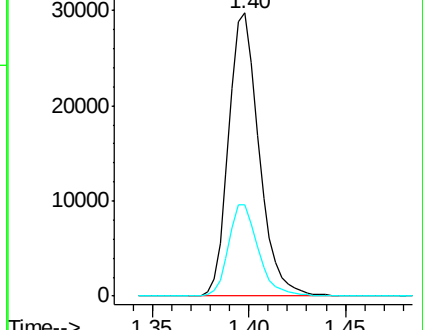
85 100

87 31.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035795.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035795.D (-9) (-)



#3

Chloromethane

Concen: 1.192 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035794.D

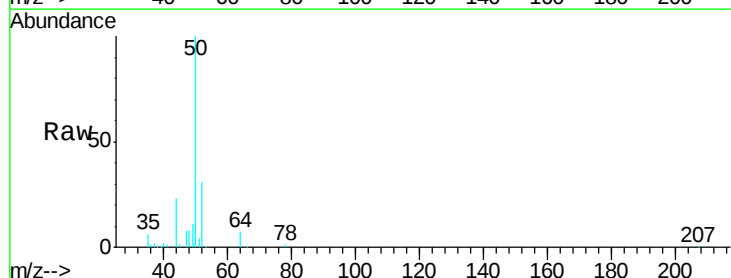
Acq: 21 Nov 2019 10:16

Tgt Ion: 50 Resp: 39386

Ion Ratio Lower Upper

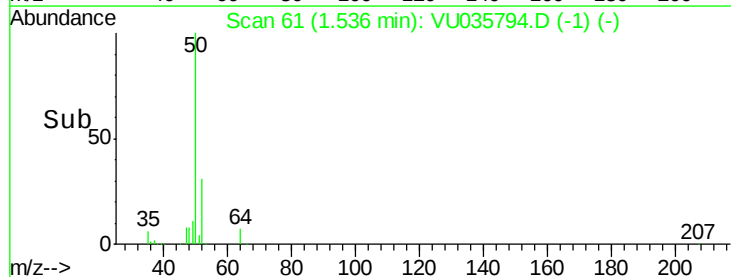
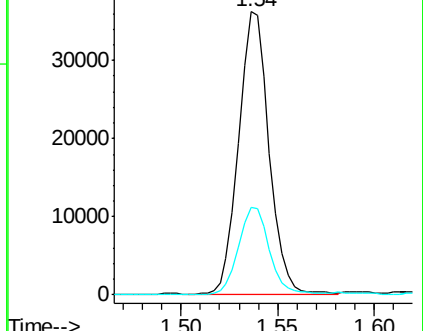
50 100

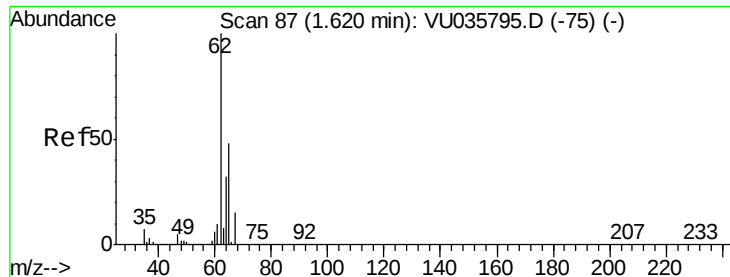
52 30.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035795.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035795.D (-52) (-)





#5

Vinyl chloride

Concen: 1.142 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

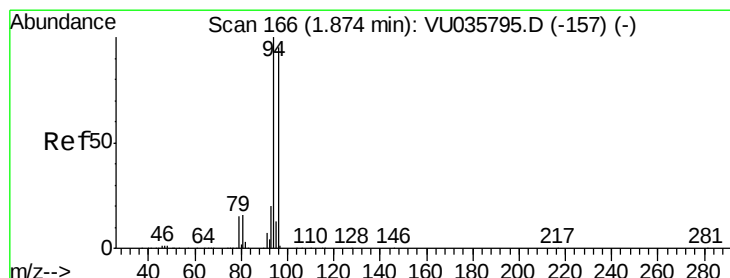
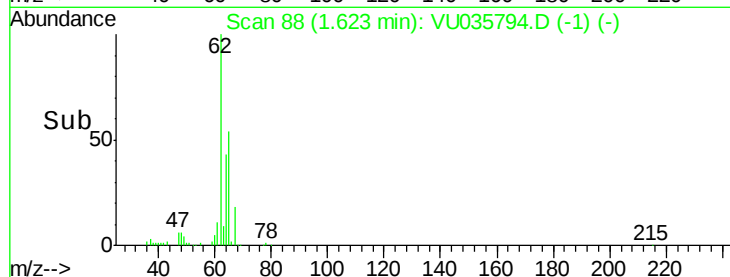
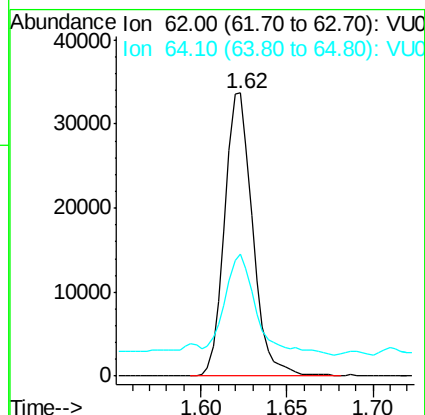
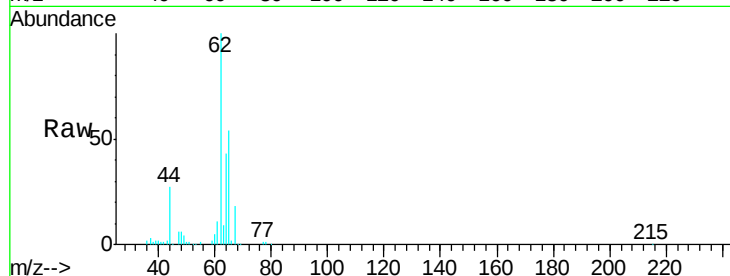
VSTD00104

Tgt Ion: 62 Resp: 38394

Ion Ratio Lower Upper

62 100

64 43.0 22.5 41.9#



#6

Bromomethane

Concen: 1.082 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035794.D

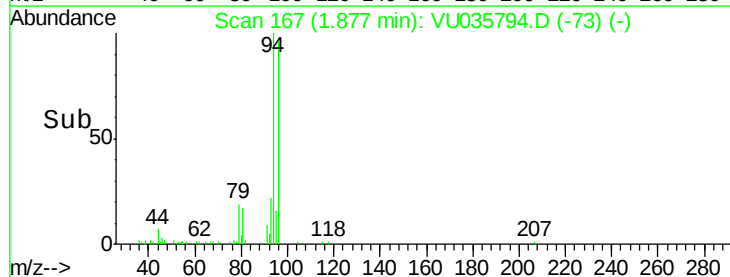
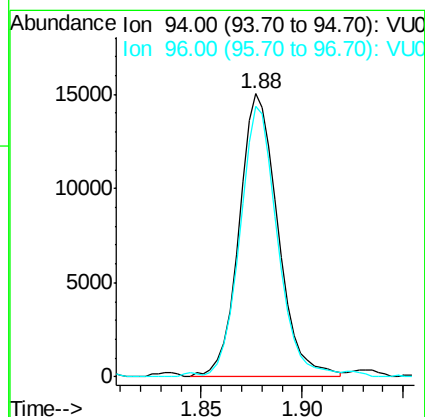
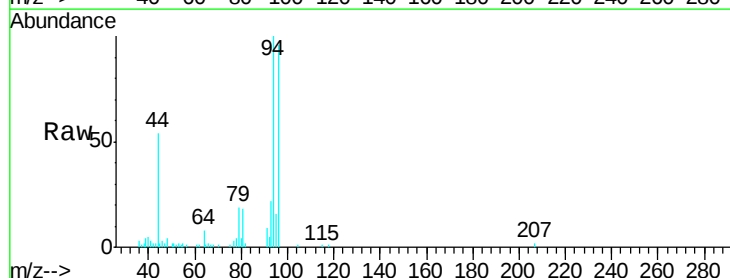
Acq: 21 Nov 2019 10:16

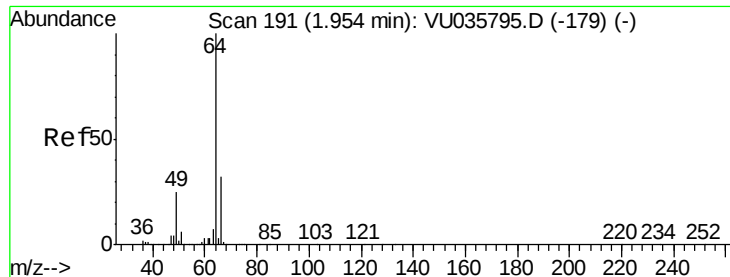
Tgt Ion: 94 Resp: 20243

Ion Ratio Lower Upper

94 100

96 95.6 66.5 123.5

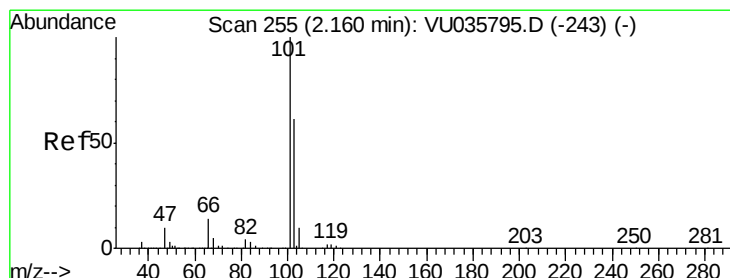
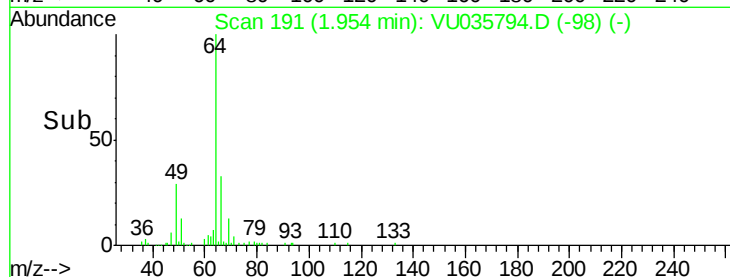
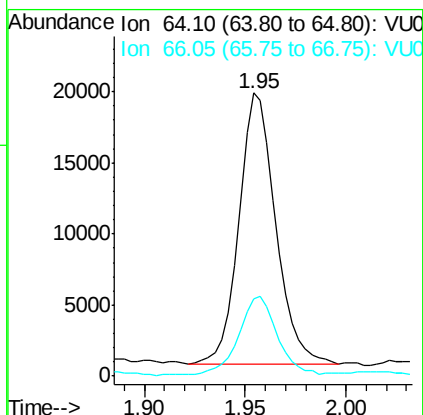
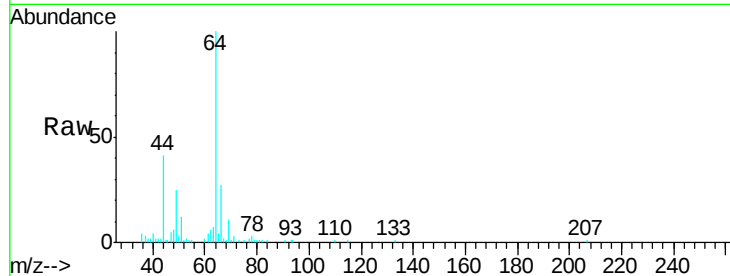




#8
Chloroethane
Concen: 1.258 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

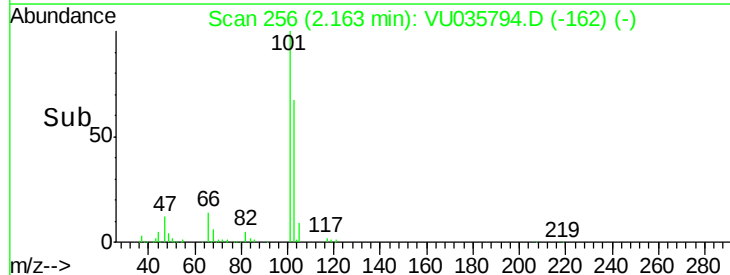
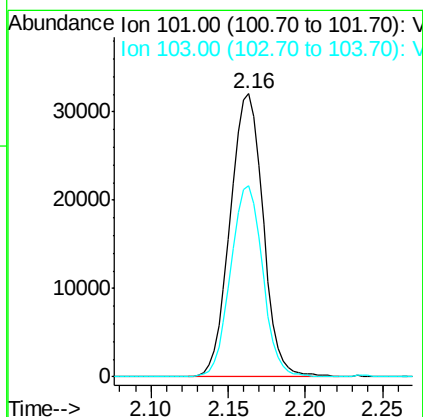
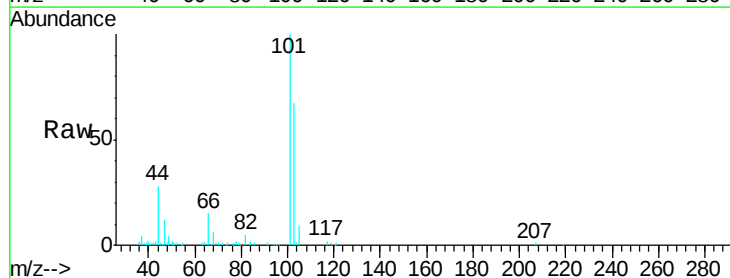
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

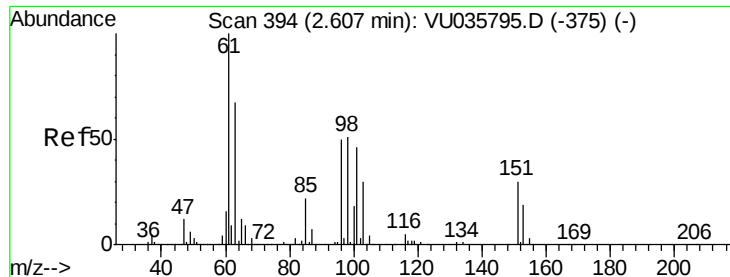
Tgt Ion: 64 Resp: 24341
Ion Ratio Lower Upper
64 100
66 27.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 1.166 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

Tgt Ion: 101 Resp: 47436
Ion Ratio Lower Upper
101 100
103 65.4 49.8 74.6





#10

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

Concen: 1.124 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

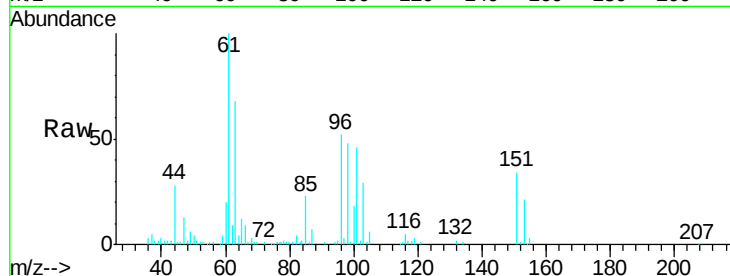
Tgt Ion: 101 Resp: 26695

Ion Ratio Lower Upper

101 100

85 49.1 38.1 57.1

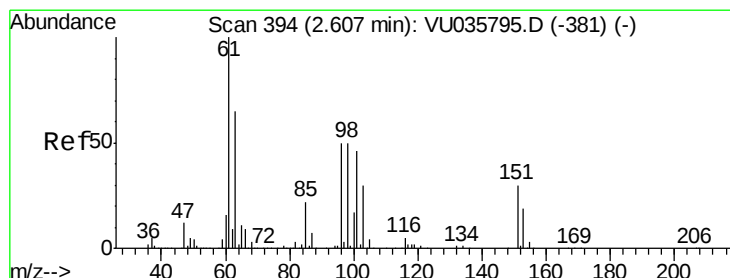
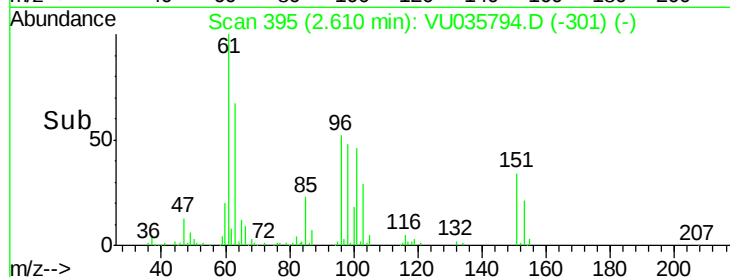
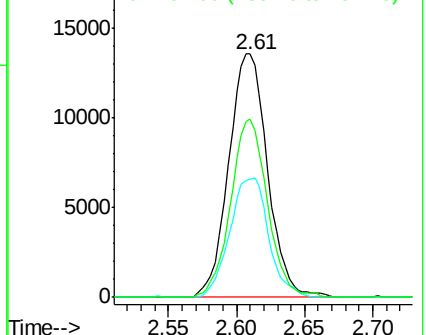
151 69.4 52.0 78.0



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: 1.083 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

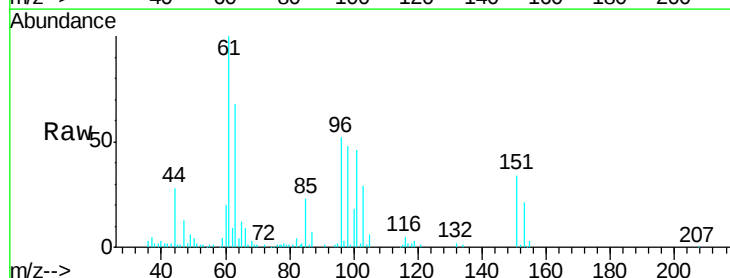
Tgt Ion: 96 Resp: 24582

Ion Ratio Lower Upper

96 100

61 192.6 139.3 258.7

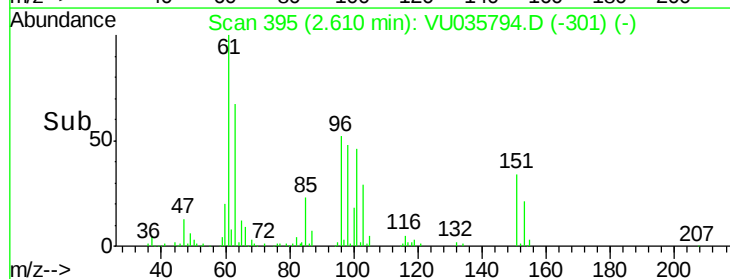
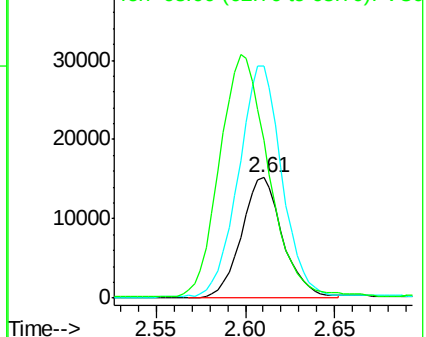
63 131.3 93.7 174.1

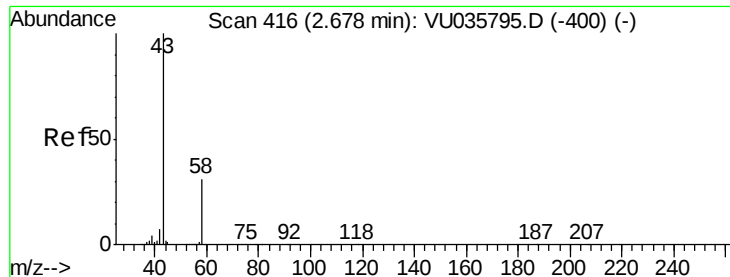


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.992 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

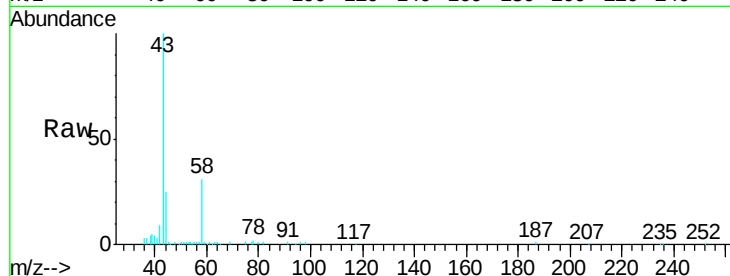
VSTD00104

Tgt Ion: 43 Resp: 63406

Ion Ratio Lower Upper

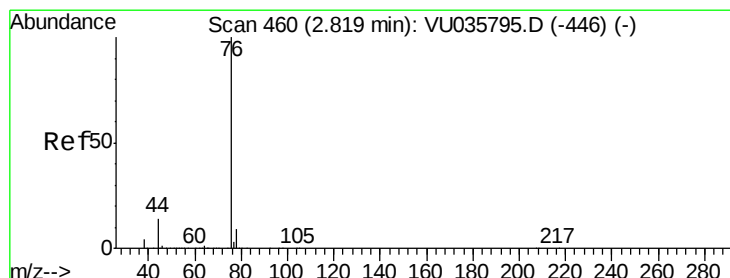
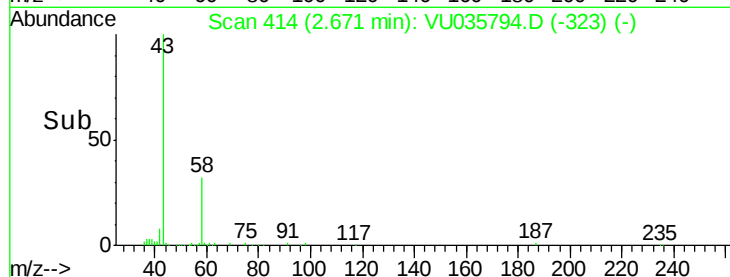
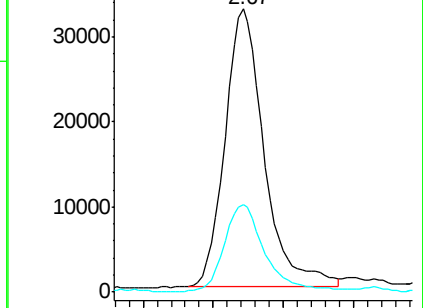
43 100

58 32.9 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035795.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035795.D (-400) (-)



#14

Carbon disulfide

Concen: 1.130 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035794.D

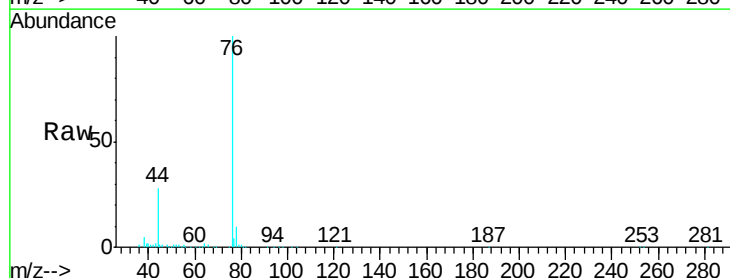
Acq: 21 Nov 2019 10:16

Tgt Ion: 76 Resp: 83441

Ion Ratio Lower Upper

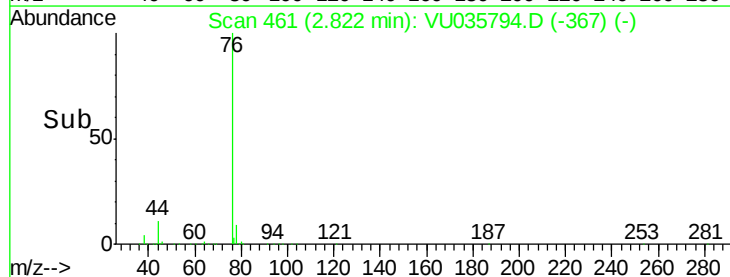
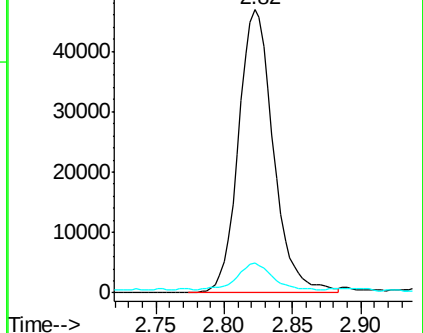
76 100

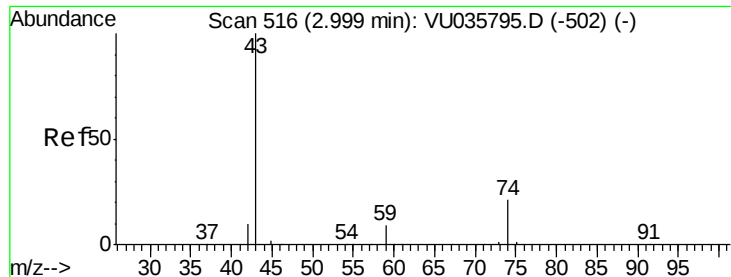
78 10.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035795.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035795.D (-446) (-)





#15

Methyl Acetate

Concen: 1.276 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

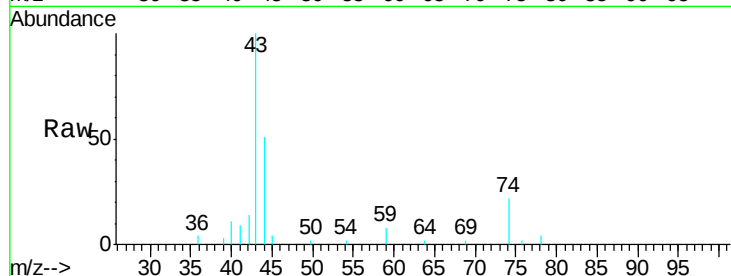
VSTD00104

Tgt Ion: 43 Resp: 13081

Ion Ratio Lower Upper

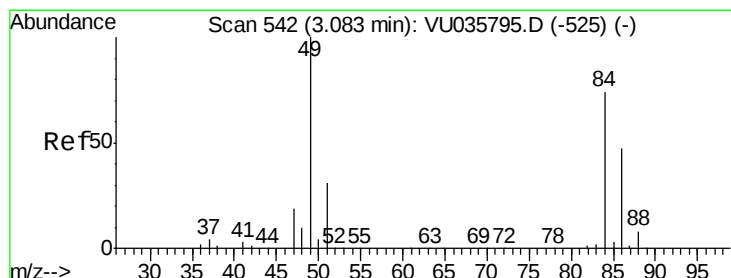
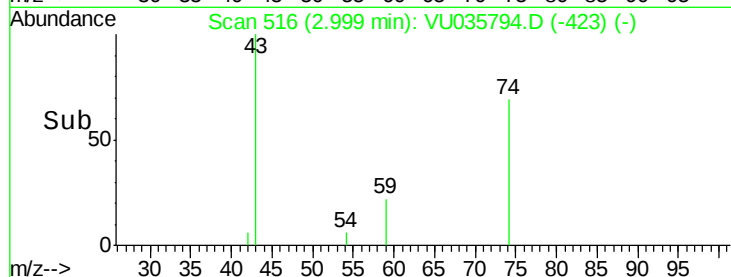
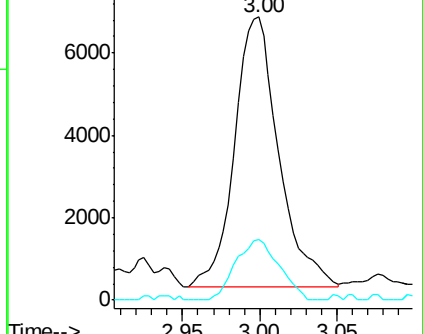
43 100

74 22.0 18.2 27.4



Abundance Ion 43.05 (42.75 to 43.75): VU035794.D (-423) (-)

Ion 74.05 (73.75 to 74.75): VU035794.D (-423) (-)



#16

Methylene chloride

Concen: 1.183 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

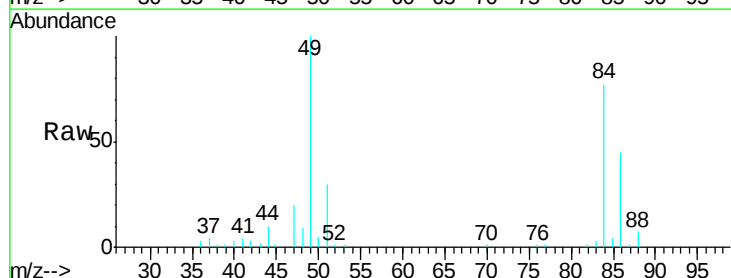
Tgt Ion: 84 Resp: 31850

Ion Ratio Lower Upper

84 100

86 58.7 44.4 82.5

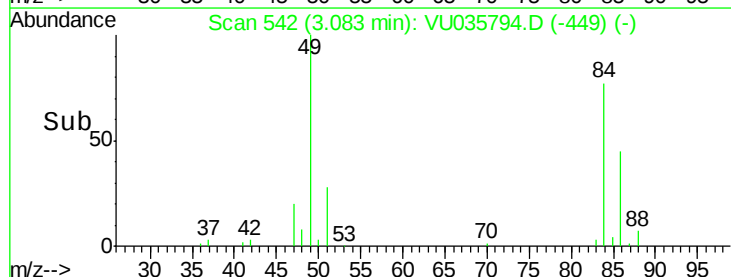
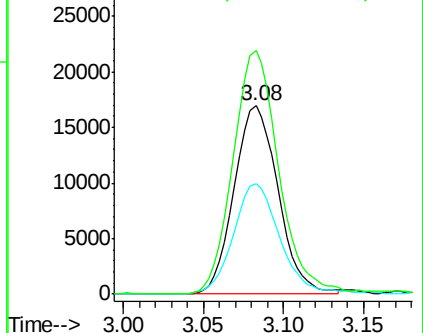
49 129.5 94.0 174.6

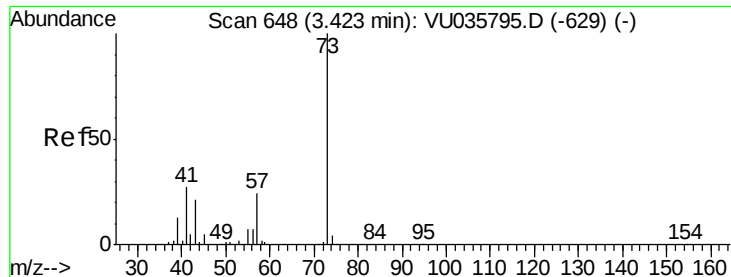


Abundance Ion 84.05 (83.75 to 84.75): VU035794.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU035794.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU035794.D (-449) (-)





#17

Methyl tert-butyl Ether

Concen: 1.026 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

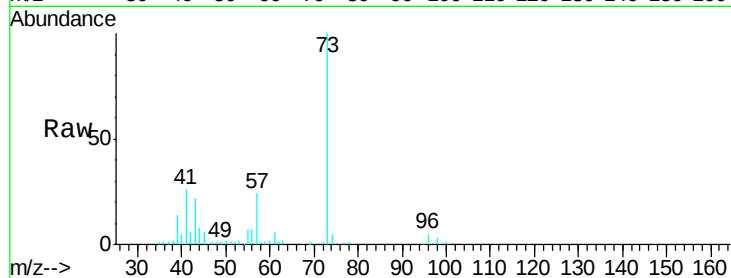
Tgt Ion: 73 Resp: 55054

Ion Ratio Lower Upper

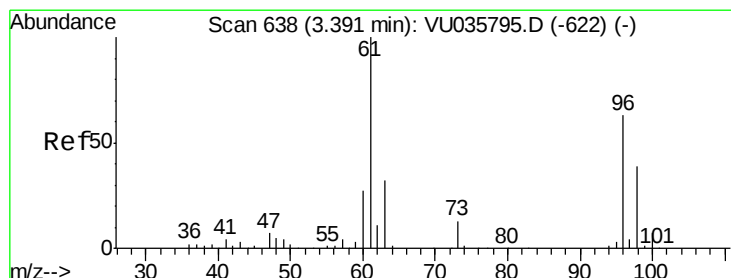
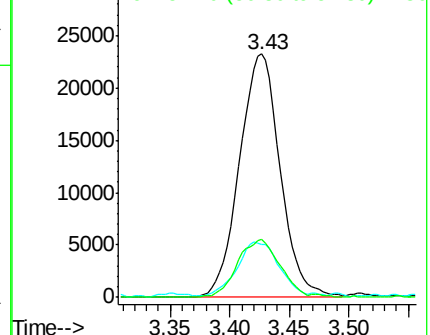
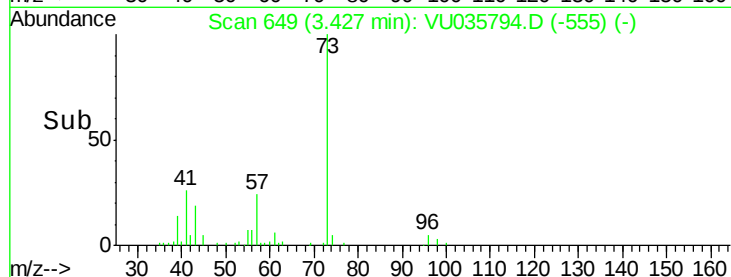
73 100

43 23.5 17.4 26.2

57 24.7 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU035794.D (-555) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.038 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

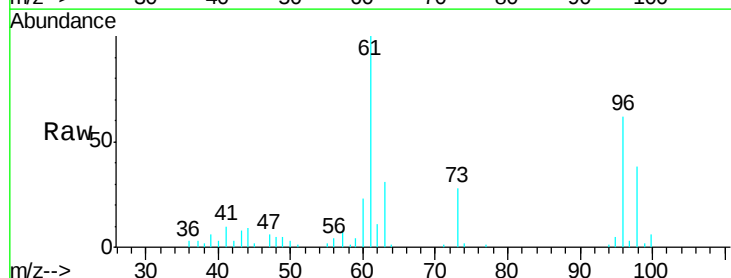
Tgt Ion: 96 Resp: 24048

Ion Ratio Lower Upper

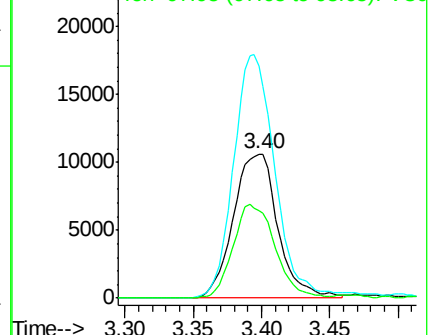
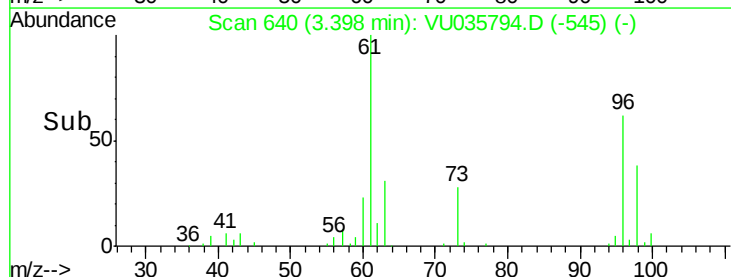
96 100

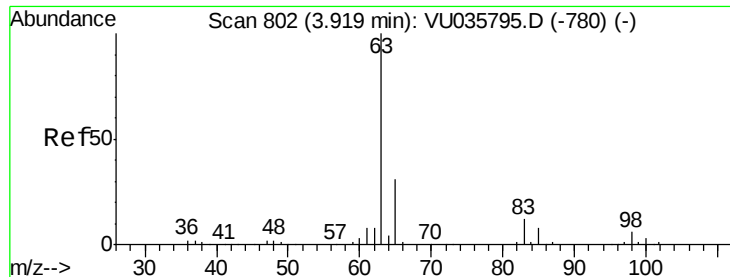
61 161.5 111.1 206.3

98 60.9 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU035794.D (-545) (-)

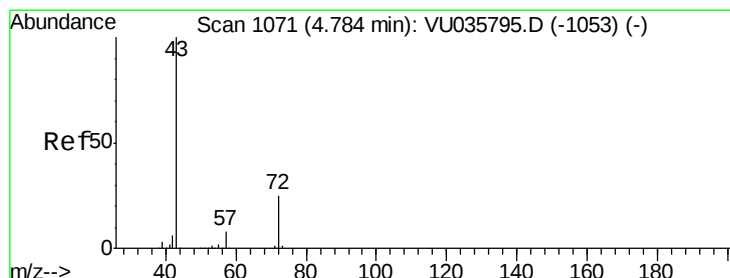
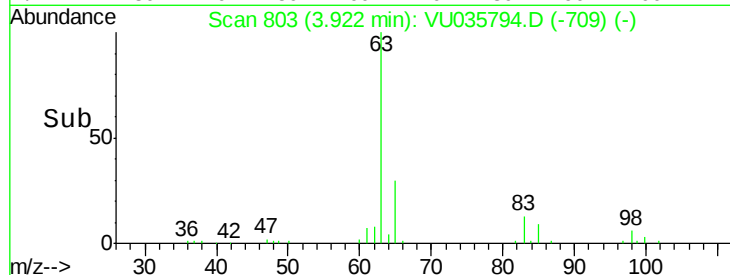
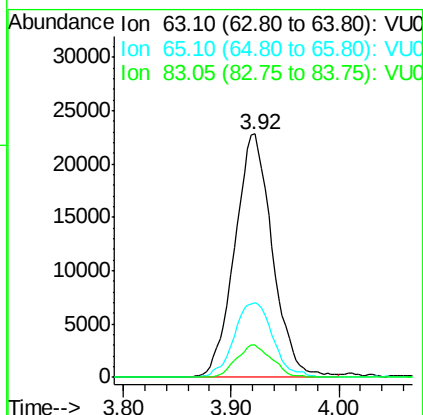
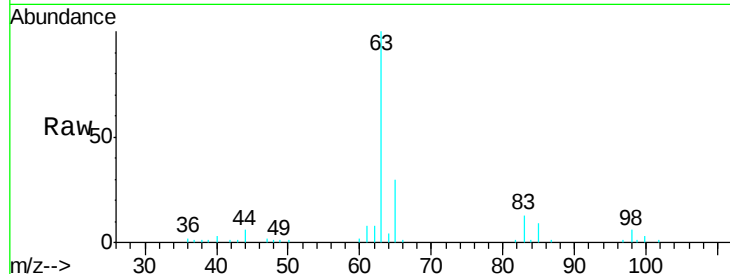




#19
 1,1-Dichloroethane
 Concen: 1.233 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

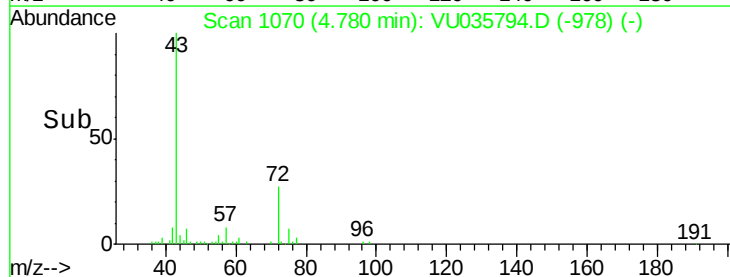
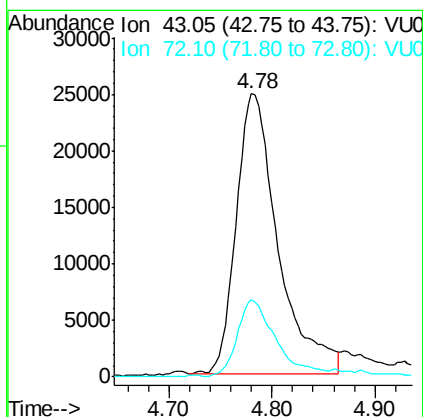
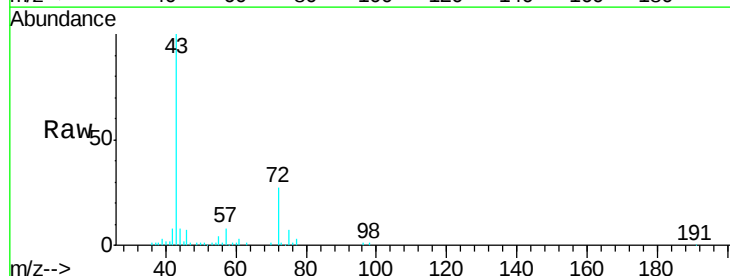
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

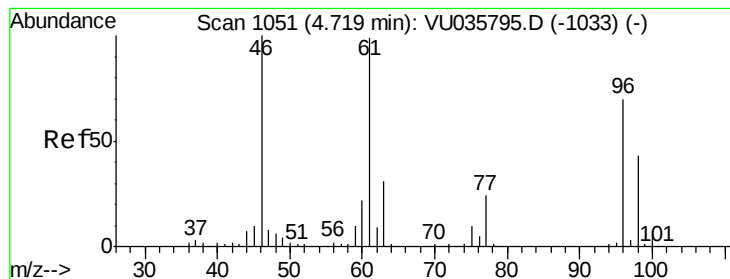
Tgt Ion: 63 Resp: 55421
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.8 40.4
 83 13.4 8.6 16.0



#21
 2-Butanone
 Concen: 10.822 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion: 43 Resp: 70326
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 1.052 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

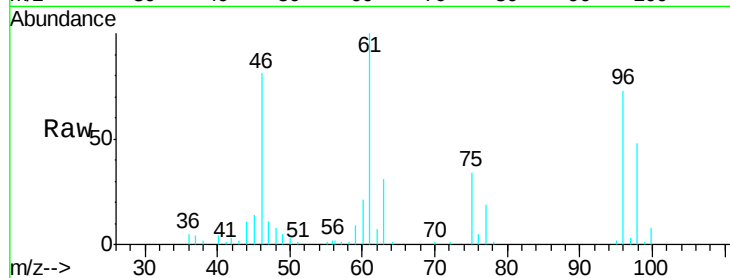
Tgt Ion: 96 Resp: 26928

Ion Ratio Lower Upper

96 100

61 137.4 98.1 182.1

68 0.0 0.0 0.0

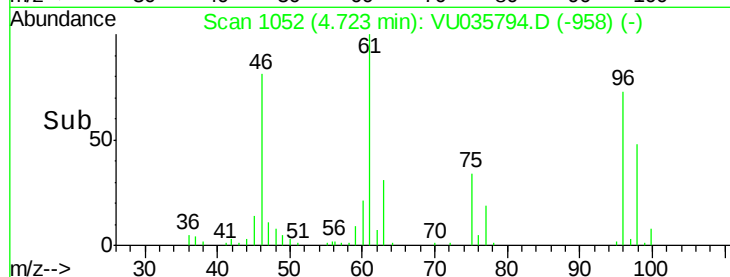


Abundance Ion 96.00 (95.70 to 96.70): VU035794.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035794.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035794.D (-1033) (-)

Time-->

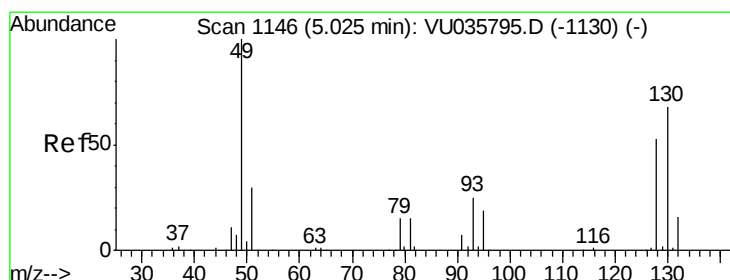


Abundance Ion 96.00 (95.70 to 96.70): VU035794.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035794.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035794.D (-958) (-)

Time-->



#23

Bromochloromethane

Concen: 0.970 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Tgt Ion: 128 Resp: 11640

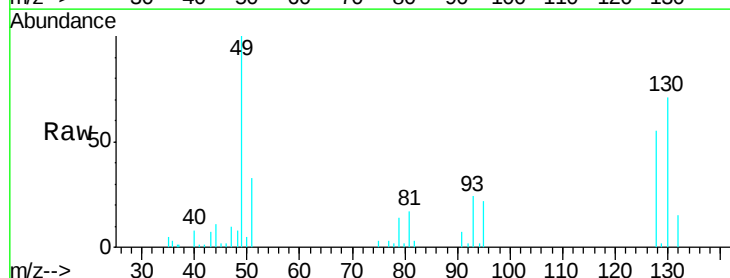
Ion Ratio Lower Upper

128 100

49 181.6 133.8 248.6

130 128.2 91.1 169.1

51 60.2 46.5 69.7



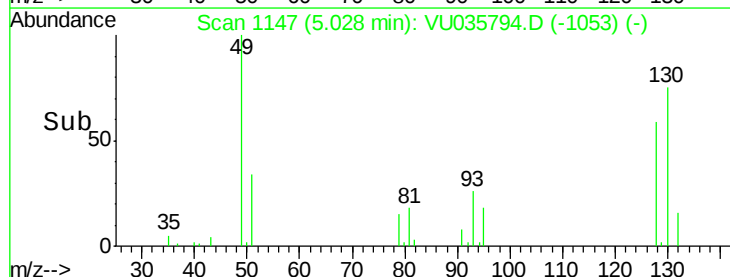
Abundance Ion 127.90 (127.60 to 128.60): VU035794.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU035794.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU035794.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU035794.D (-1130) (-)

Time-->



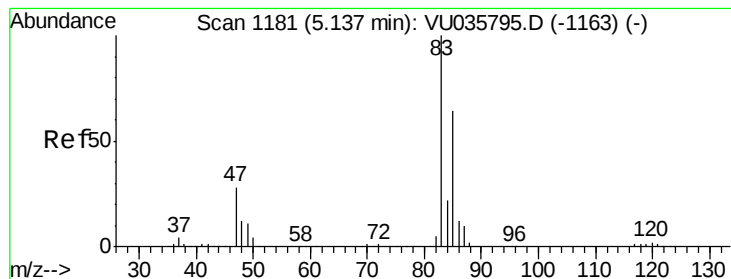
Abundance Ion 127.90 (127.60 to 128.60): VU035794.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035794.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035794.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035794.D (-1053) (-)

Time-->



#25

Chloroform

Concen: 1.089 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

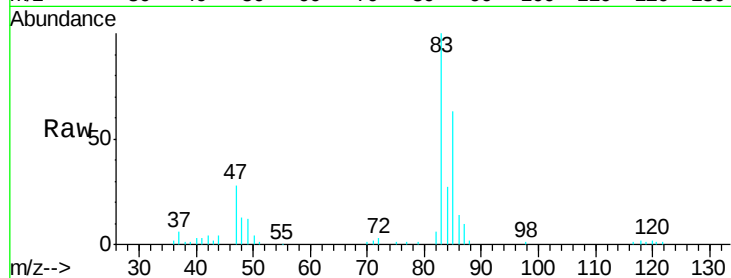
VSTD00104

Tgt Ion: 83 Resp: 52515

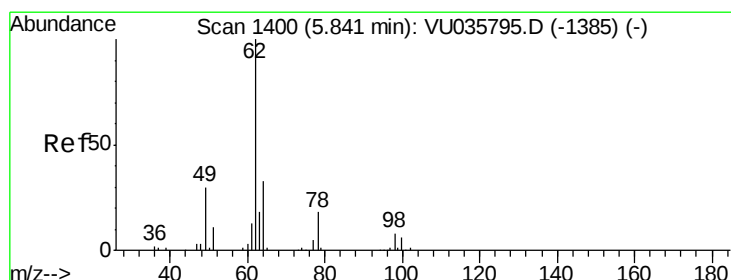
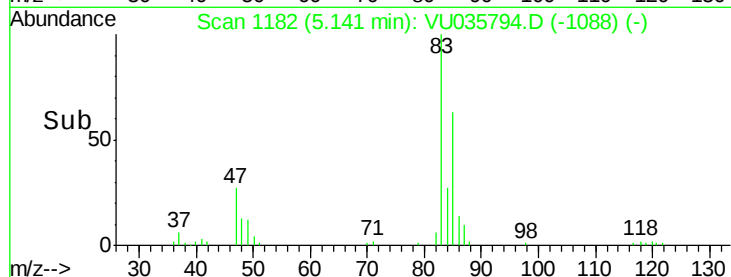
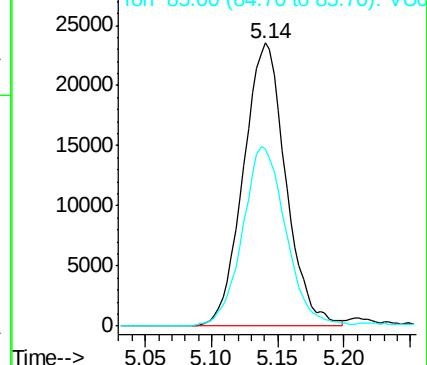
Ion Ratio Lower Upper

83 100

85 62.6 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035795.D (-1163) (-)



#27

1,2-Dichloroethane

Concen: 1.269 ug/L

RT: 5.84 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VU035794.D

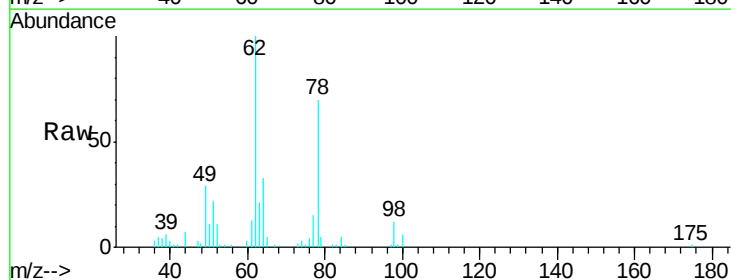
Acq: 21 Nov 2019 10:16

Tgt Ion: 62 Resp: 34952

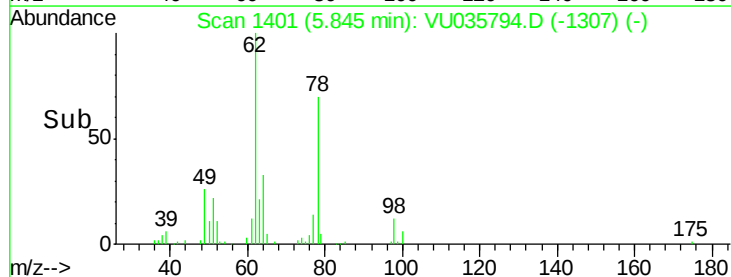
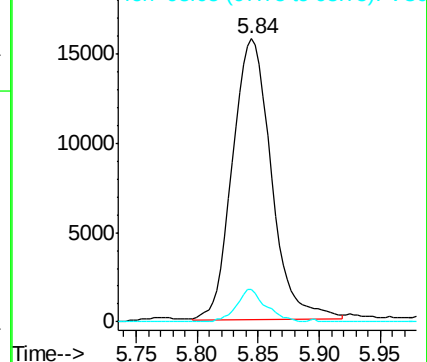
Ion Ratio Lower Upper

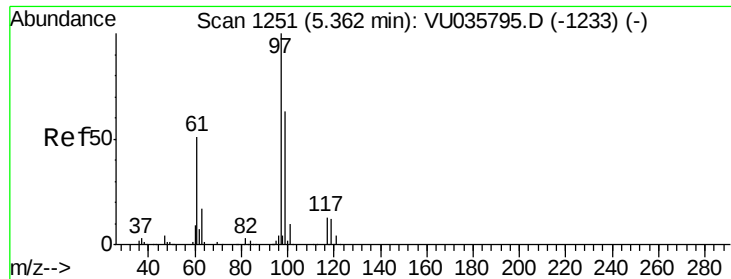
62 100

98 11.6 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VU035795.D (-1385) (-)

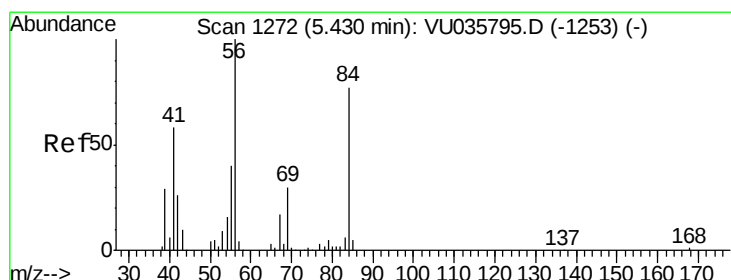
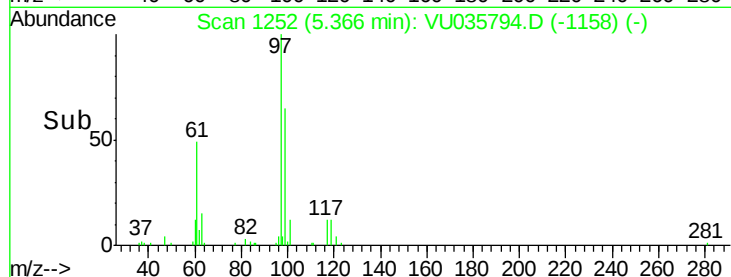
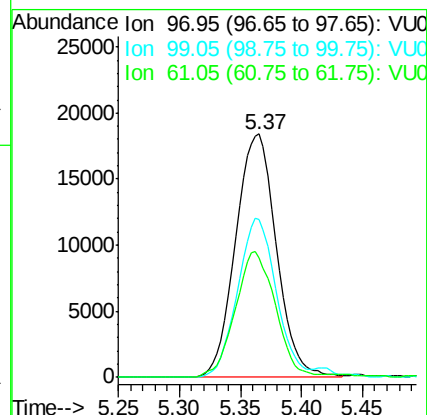
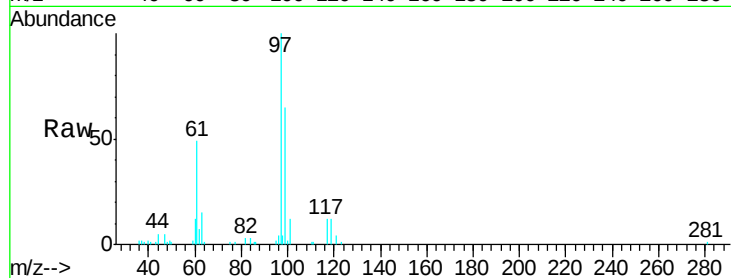




#29
 1,1,1-Trichloroethane
 Concen: 1.132 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

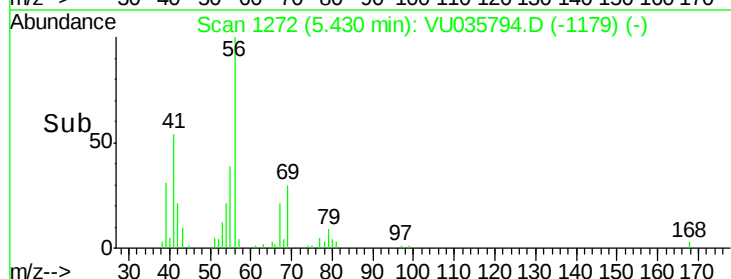
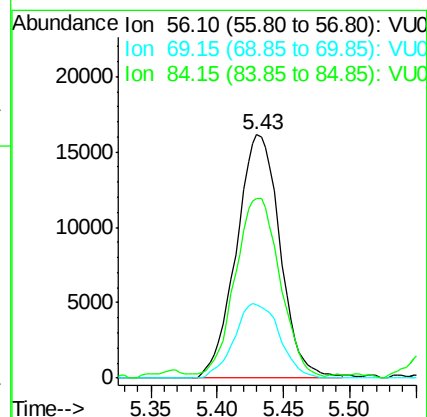
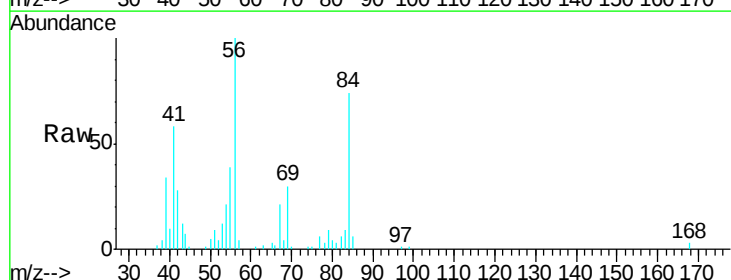
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

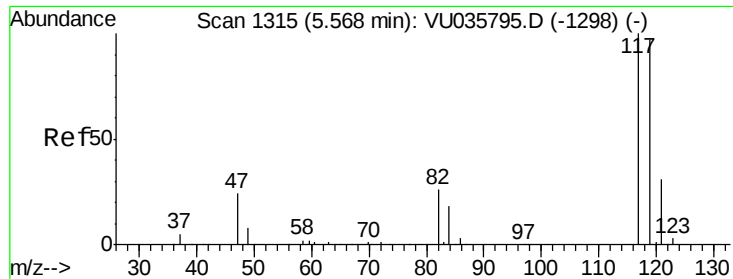
Tgt Ion: 97 Resp: 42729
 Ion Ratio Lower Upper
 97 100
 99 61.8 51.9 77.9
 61 50.6 40.3 60.5



#30
 Cyclohexane
 Concen: 0.981 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion: 56 Resp: 37030
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.0 36.0
 84 74.9 62.1 93.1





#31

Carbon tetrachloride

Concen: 1.063 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

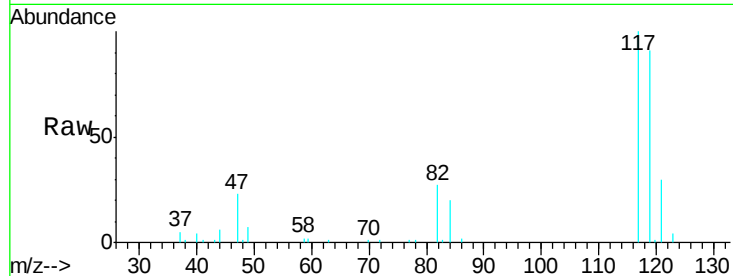
VSTD00104

Tgt Ion:117 Resp: 35829

Ion Ratio Lower Upper

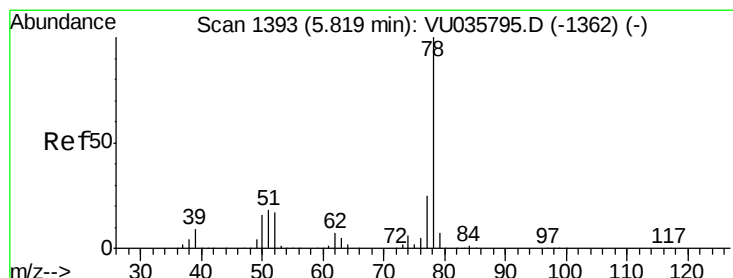
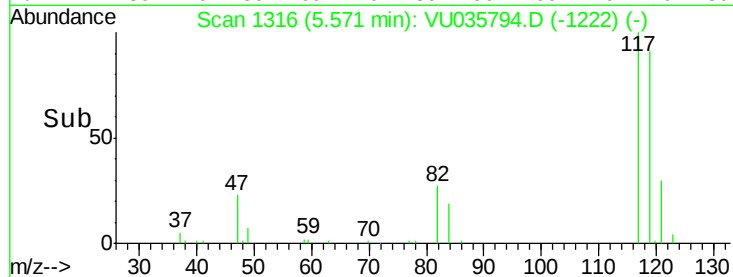
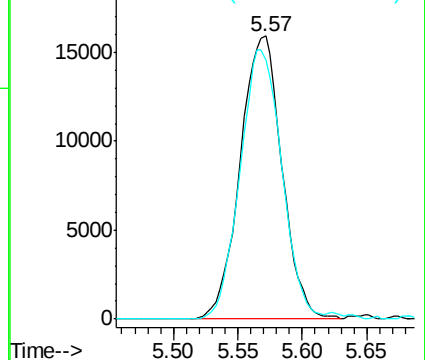
117 100

119 95.3 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.028 ug/L

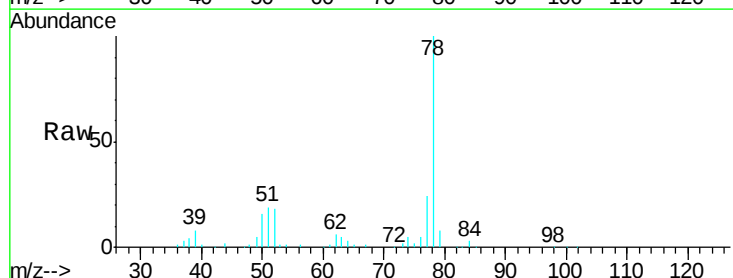
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

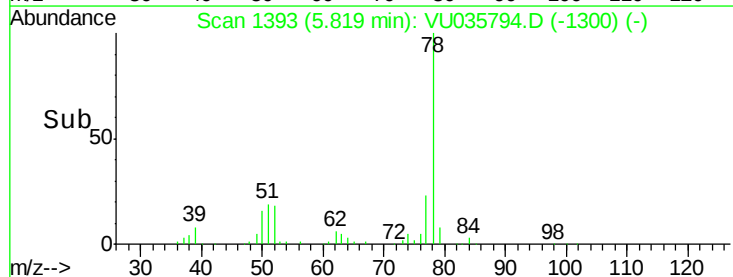
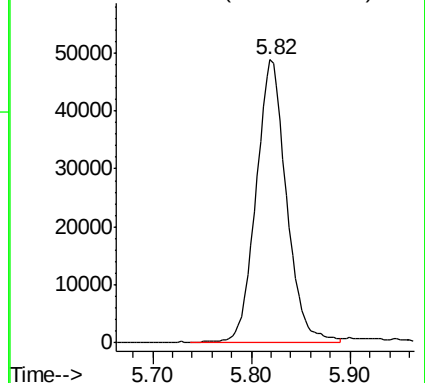
Lab File: VU035794.D

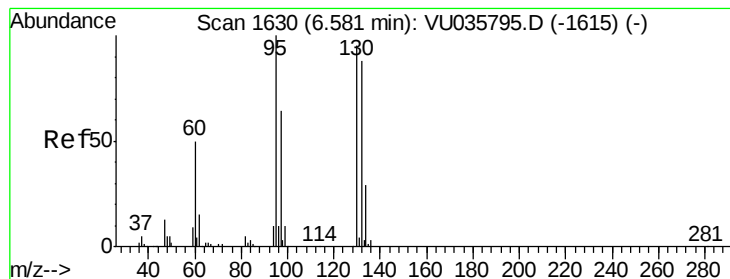
Acq: 21 Nov 2019 10:16

Tgt Ion: 78 Resp: 103947



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.065 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 95 Resp: 27170

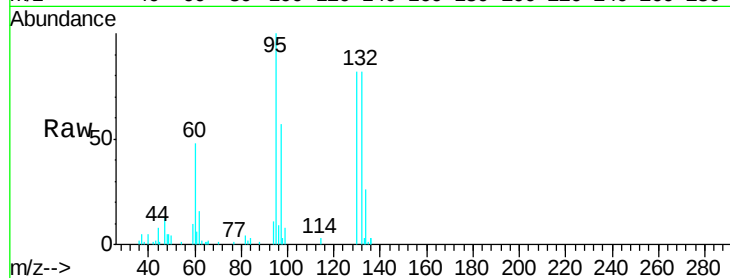
Ion Ratio Lower Upper

95 100

97 57.0 45.1 83.9

132 81.6 61.9 114.9

130 81.9 66.3 123.1

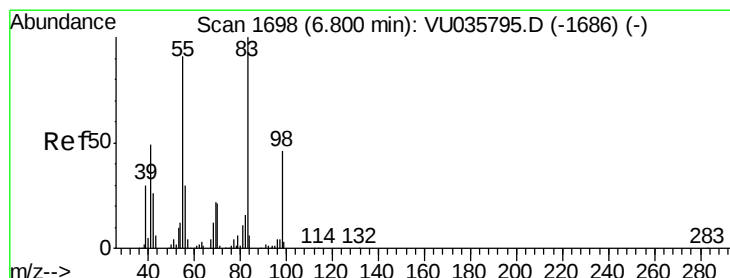
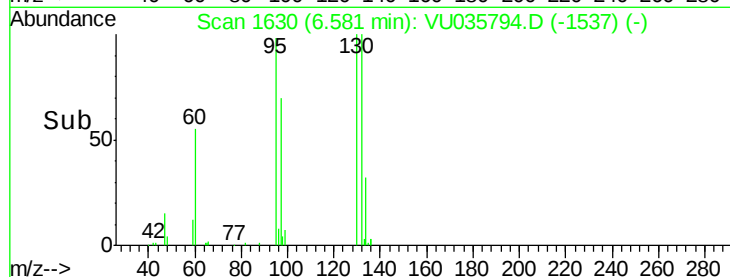
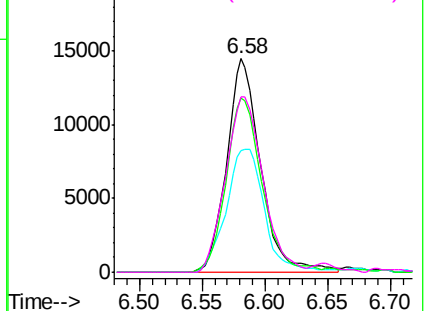


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.915 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

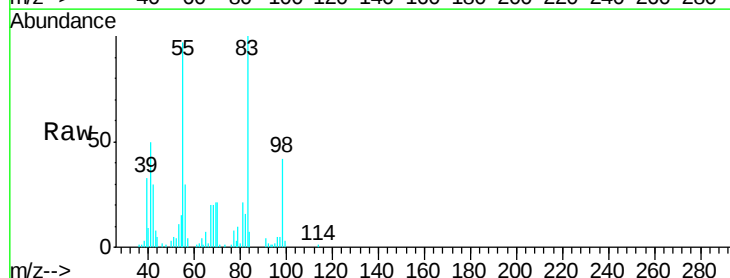
Tgt Ion: 83 Resp: 35001

Ion Ratio Lower Upper

83 100

55 93.0 72.7 109.1

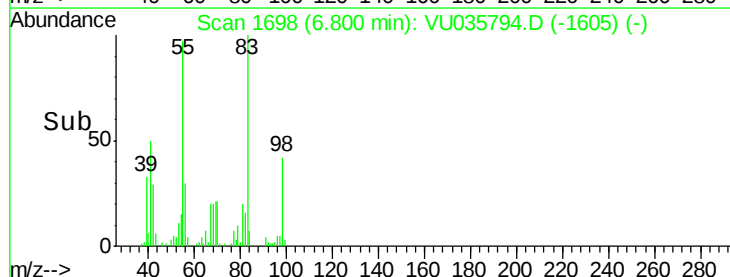
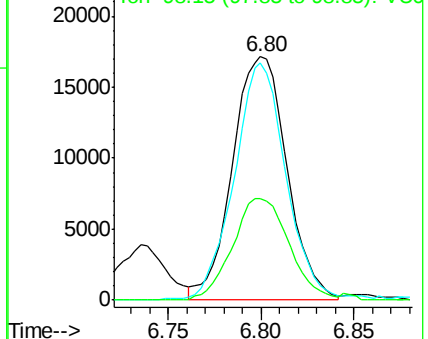
98 43.0 36.2 54.4

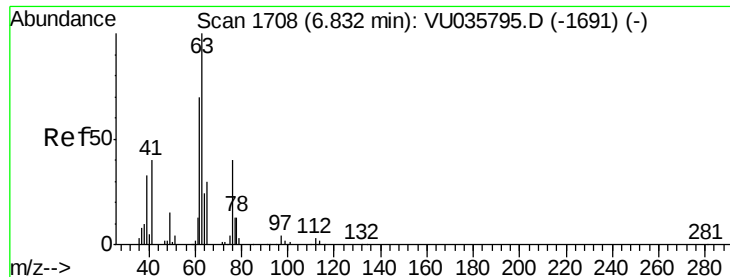


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.144 ug/L

RT: 6.83 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

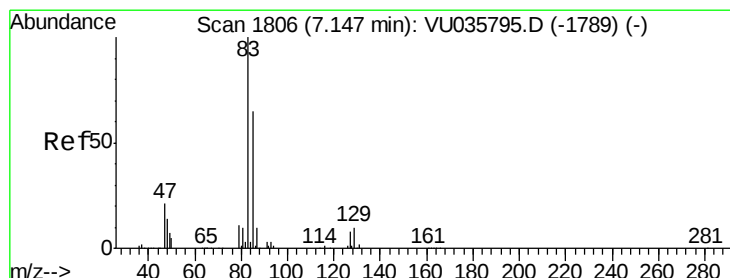
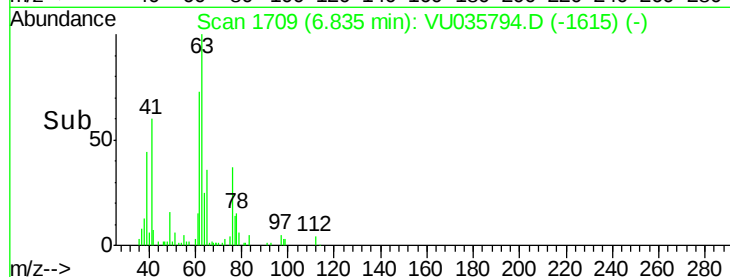
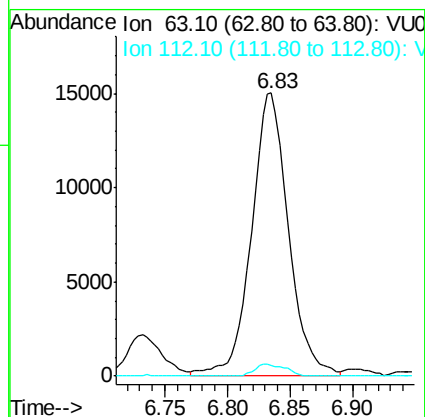
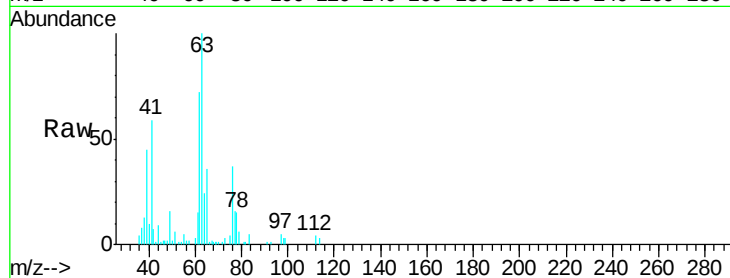
VSTD00104

Tgt Ion: 63 Resp: 30898

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 1.150 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

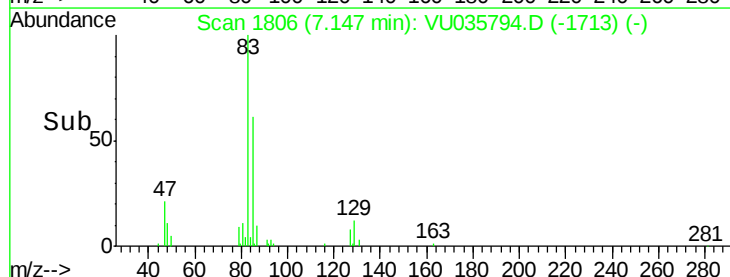
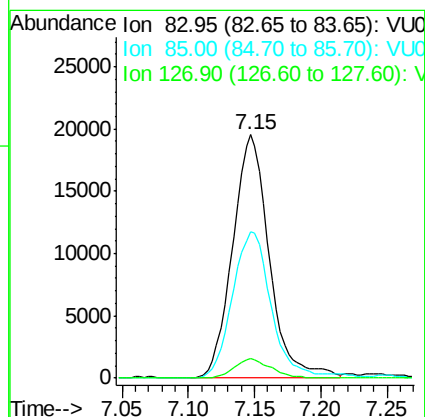
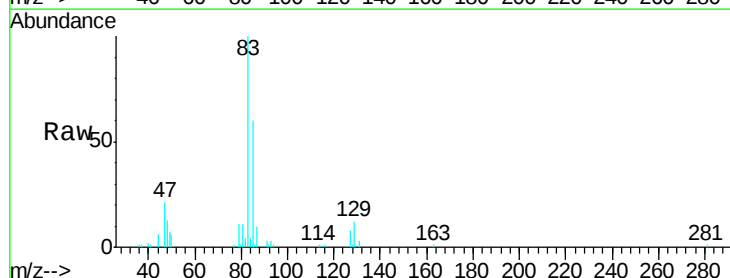
Tgt Ion: 83 Resp: 37489

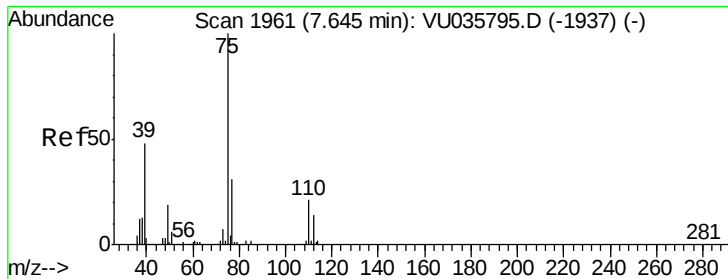
Ion Ratio Lower Upper

83 100

85 59.9 45.6 84.8

127 8.1 6.0 9.0

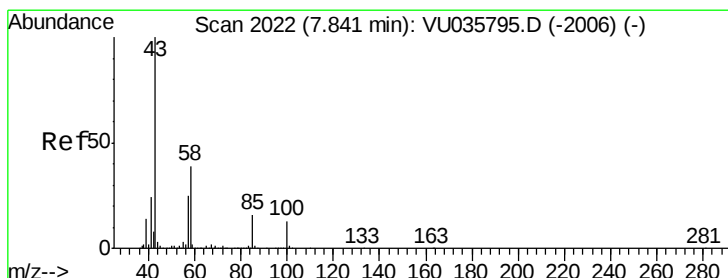
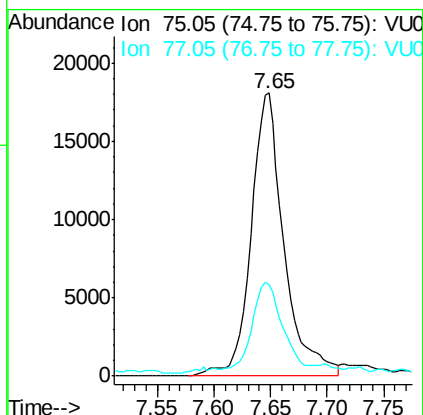
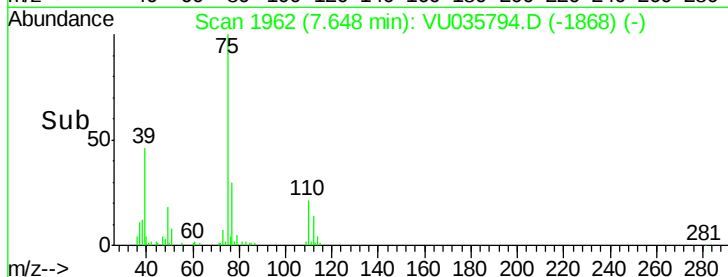
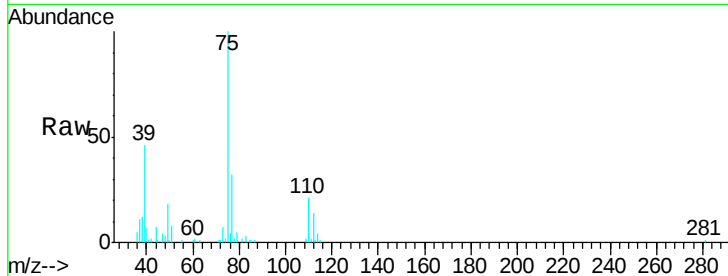




#39
 cis-1,3-Dichloropropene
 Concen: 0.966 ug/L
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

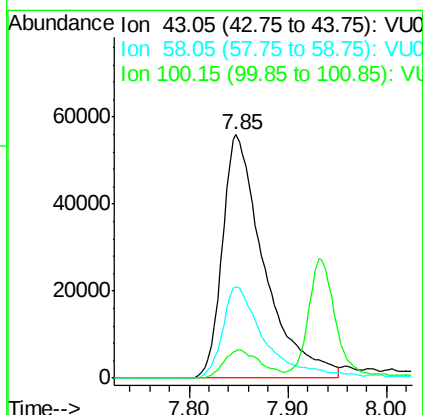
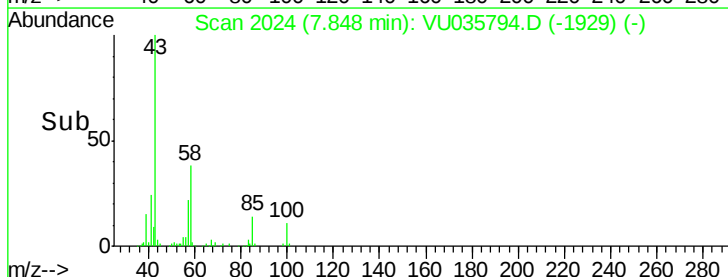
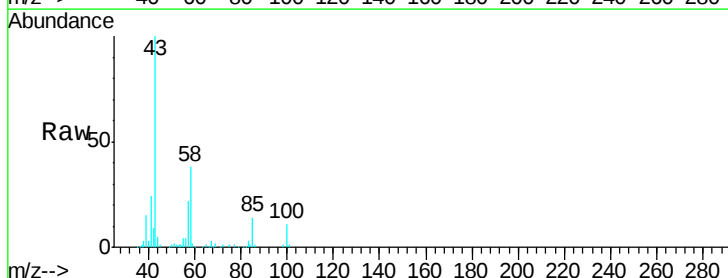
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

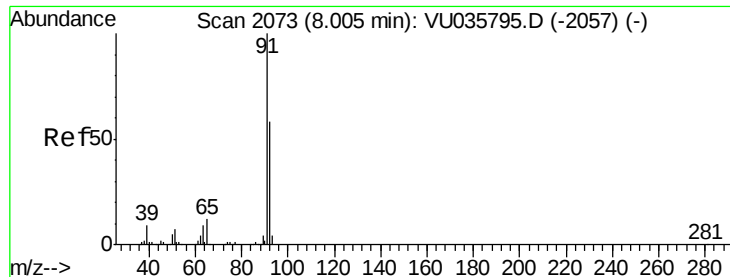
Tgt Ion: 75 Resp: 36519
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 10.484 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion: 43 Resp: 165326
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.8 46.2
 100 10.4 10.0 15.0





#42

Toluene

Concen: 0.970 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

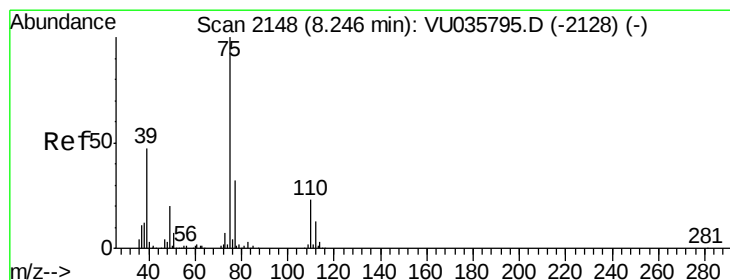
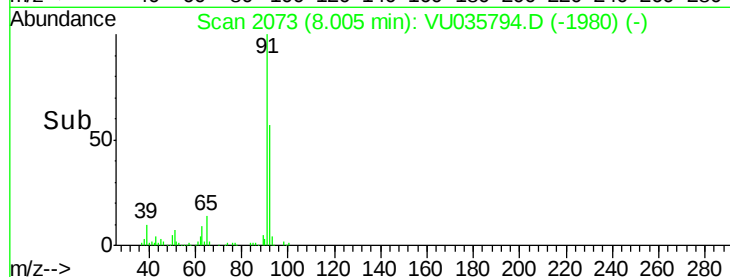
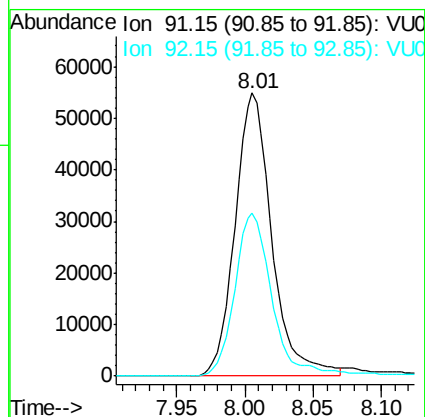
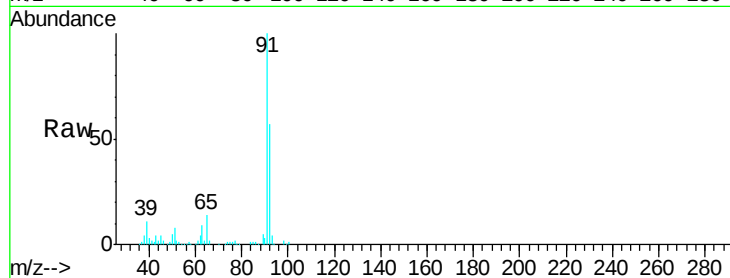
VSTD00104

Tgt Ion: 91 Resp: 102740

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.971 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035794.D

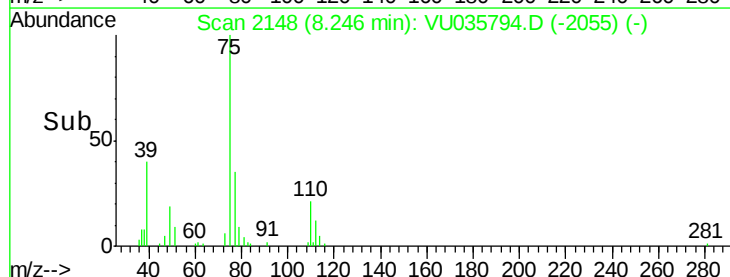
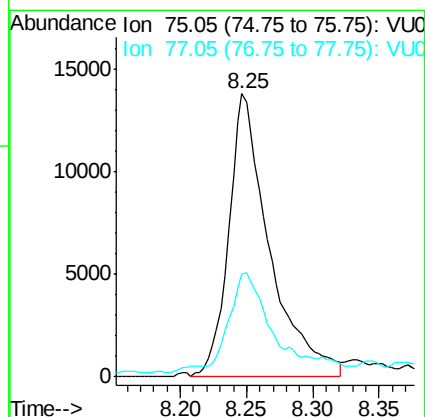
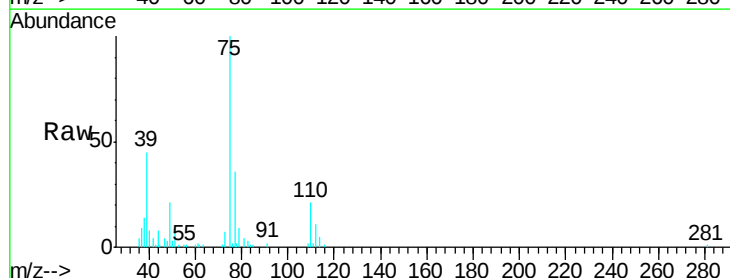
Acq: 21 Nov 2019 10:16

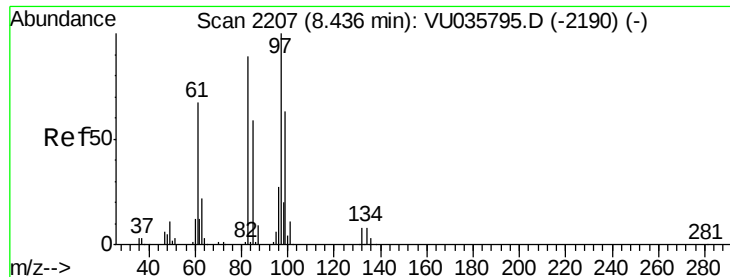
Tgt Ion: 75 Resp: 29537

Ion Ratio Lower Upper

75 100

77 36.5 22.7 42.1

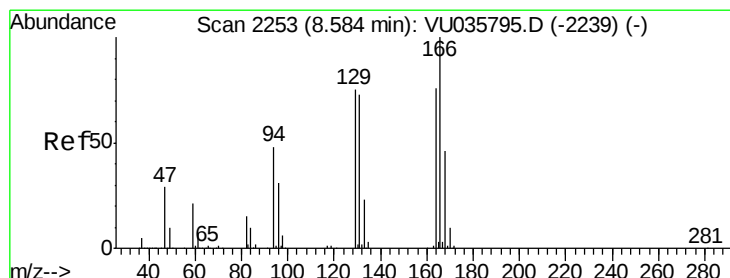
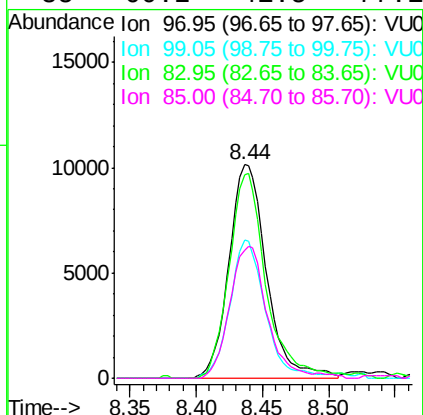
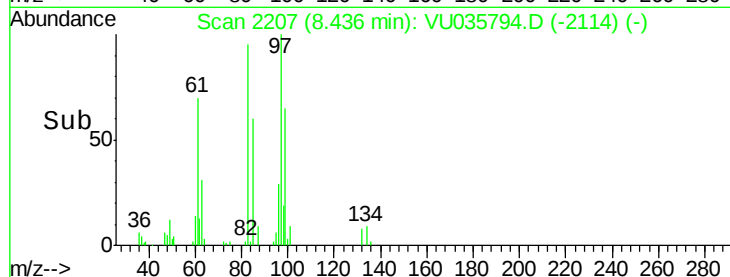
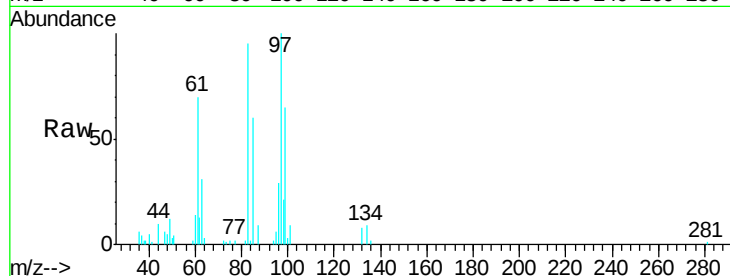




#45
 1,1,2-Trichloroethane
 Concen: 1.057 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

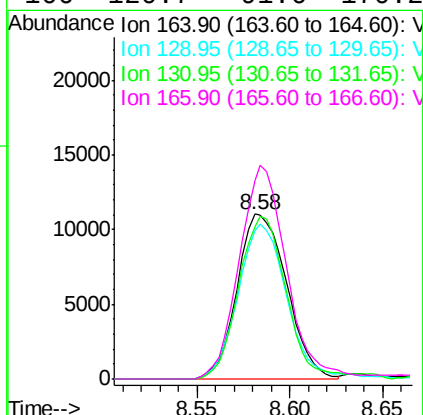
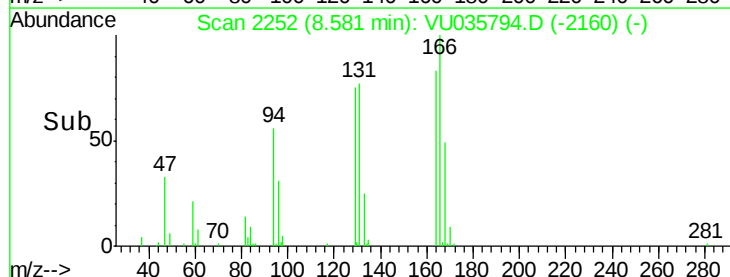
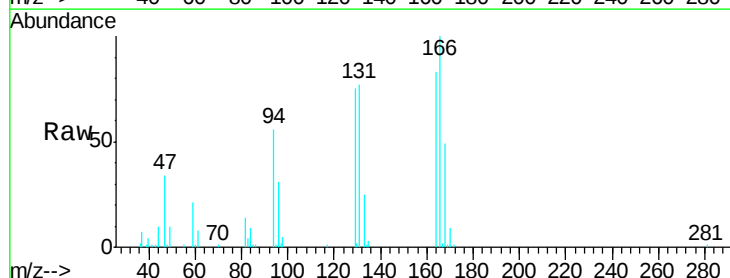
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

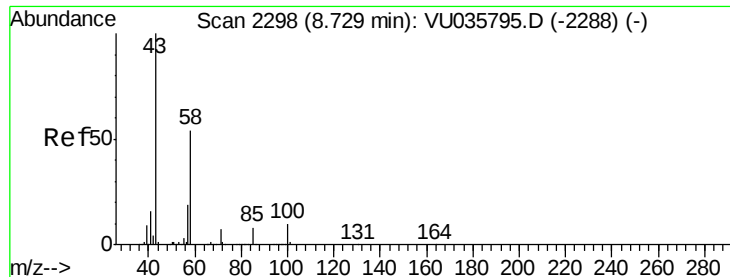
Tgt Ion:	97	Resp:	19997
Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.2	82.0
83	95.2	62.2	115.6
85	60.2	41.5	77.1



#47
 Tetrachloroethene
 Concen: 0.958 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion:	164	Resp:	20589
Ion	Ratio	Lower	Upper
164	100		
129	90.0	68.8	127.8
131	92.6	67.3	124.9
166	120.7	91.6	170.2

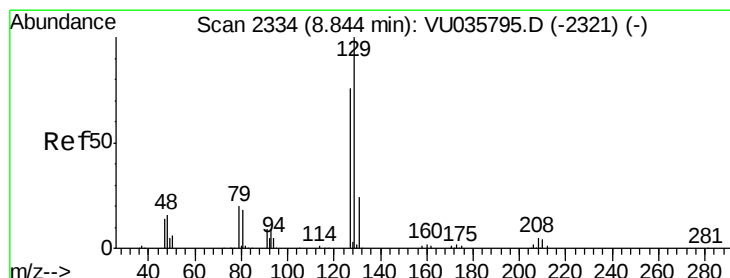
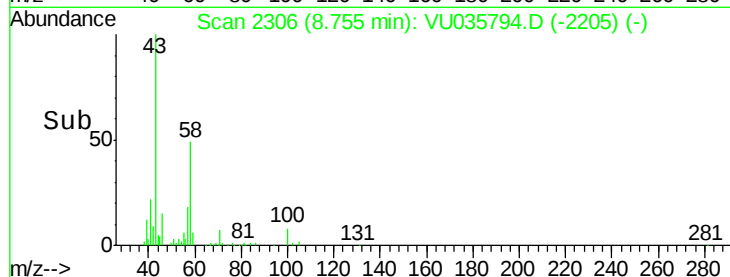
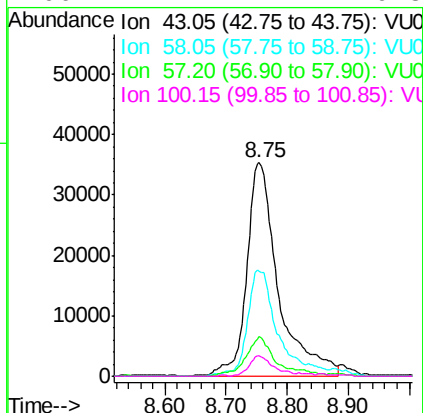
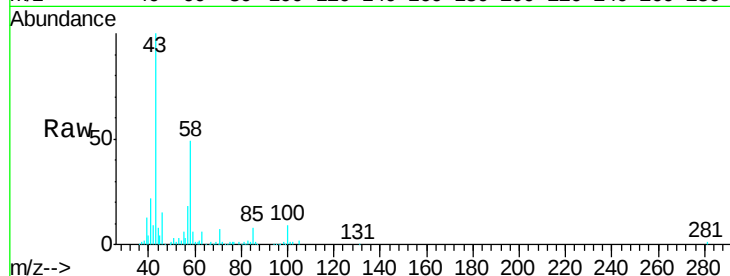




#48
2-Hexanone
Concen: 11.260 ug/L
RT: 8.75 min Scan# 2306
Delta R.T. 0.03 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

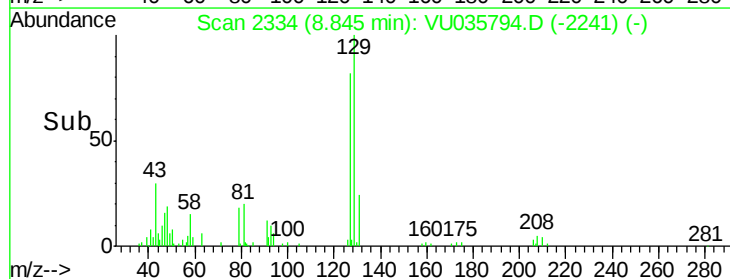
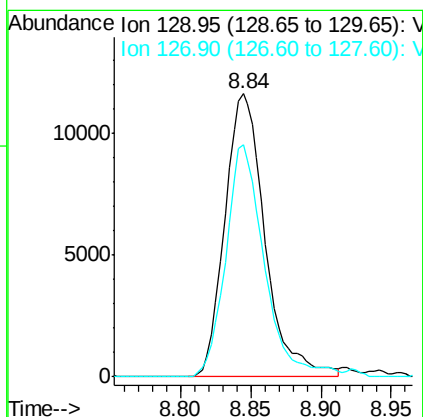
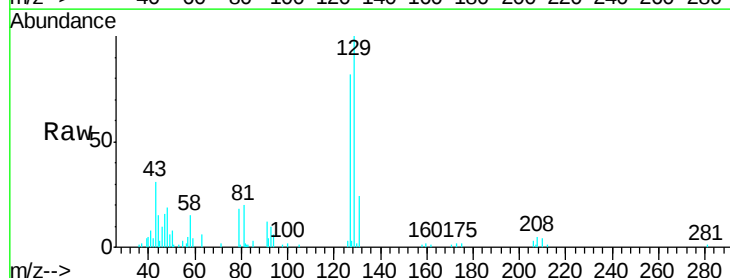
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

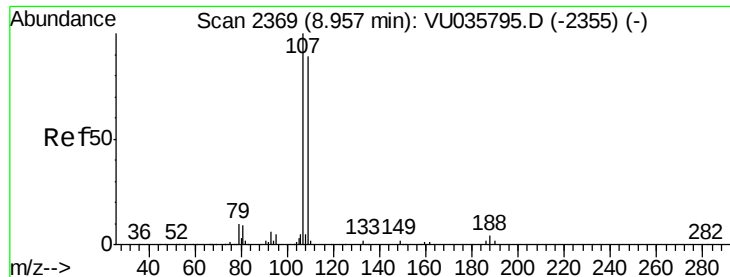
Tgt Ion: 43 Resp: 127622
Ion Ratio Lower Upper
43 100
58 44.9 39.8 59.8
57 17.8 14.0 21.0
100 7.4 7.2 10.8



#49
Dibromochloromethane
Concen: 1.001 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

Tgt Ion: 129 Resp: 23148
Ion Ratio Lower Upper
129 100
127 81.8 53.1 98.5

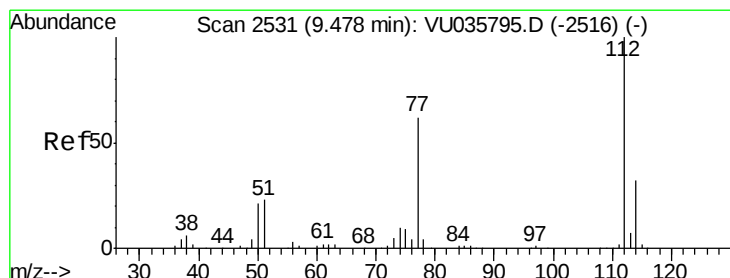
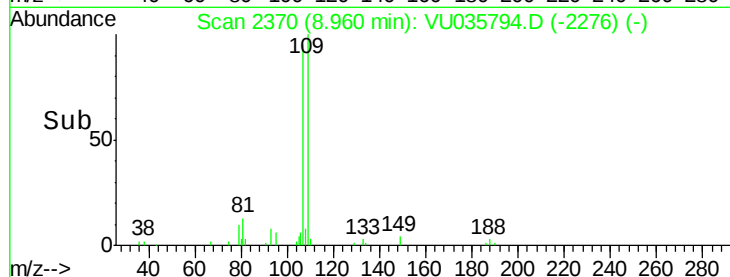
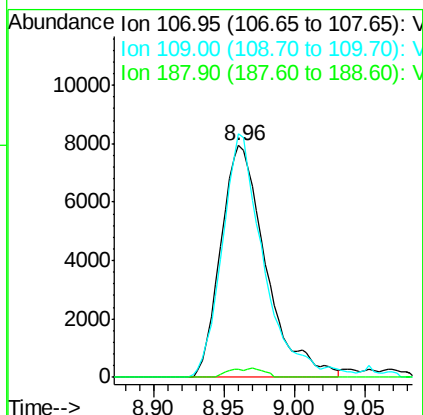
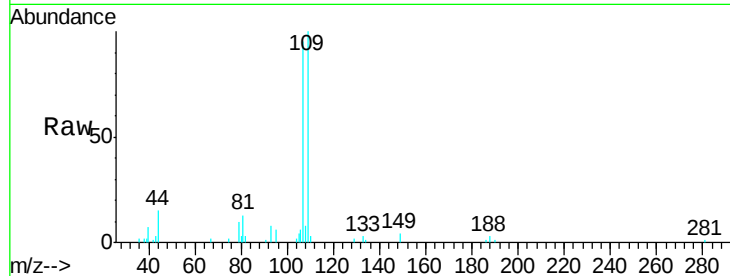




#50
1,2-Dibromoethane
Concen: 0.994 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

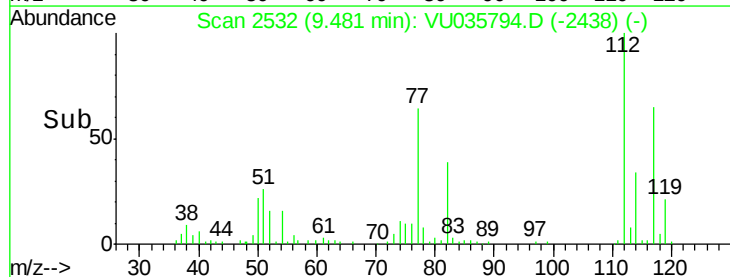
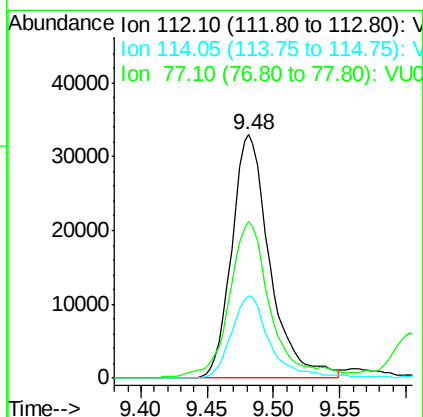
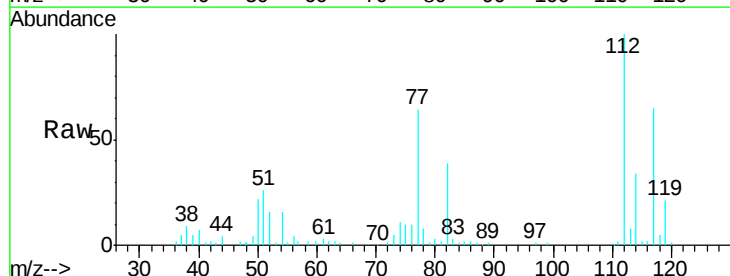
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

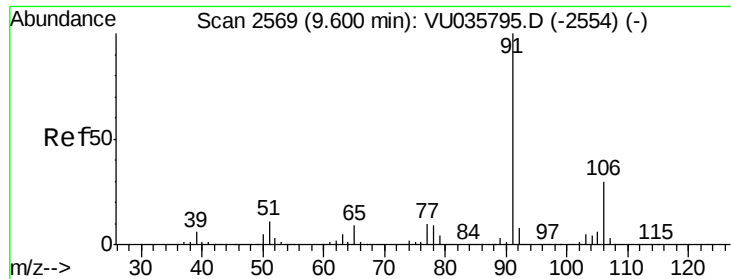
Tgt Ion:107 Resp: 17733
Ion Ratio Lower Upper
107 100
109 105.1 62.6 116.3
188 3.3 2.8 4.2



#51
Chlorobenzene
Concen: 0.969 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035794.D
Acq: 21 Nov 2019 10:16

Tgt Ion:112 Resp: 65792
Ion Ratio Lower Upper
112 100
114 34.0 22.2 41.2
77 64.4 50.1 75.1





#52

Ethylbenzene

Concen: 0.926 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

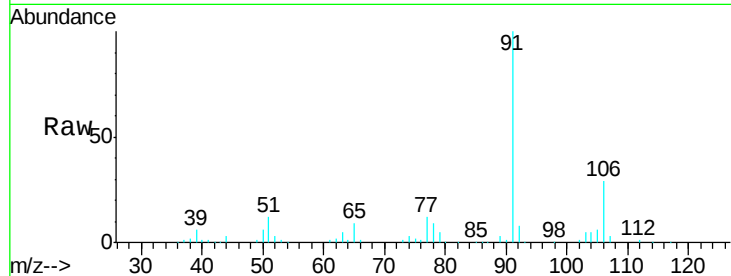
VSTD00104

Tgt Ion: 91 Resp: 102286

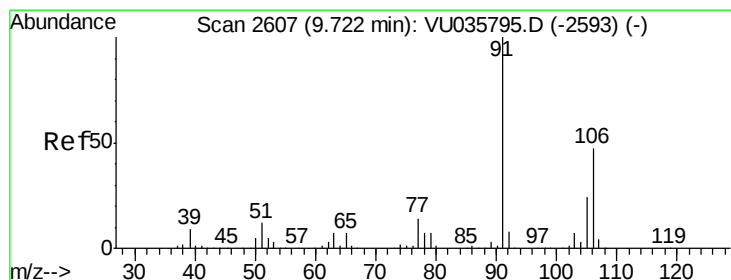
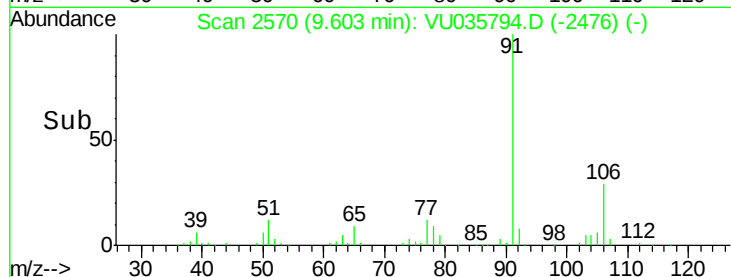
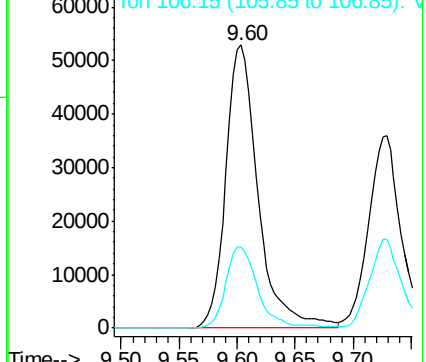
Ion Ratio Lower Upper

91 100

106 28.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035795.D (-2554) (-)



#53

m,p-Xylene

Concen: 0.778 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035794.D

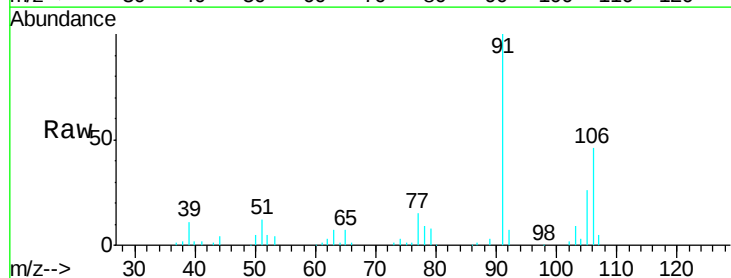
Acq: 21 Nov 2019 10:16

Tgt Ion: 106 Resp: 32148

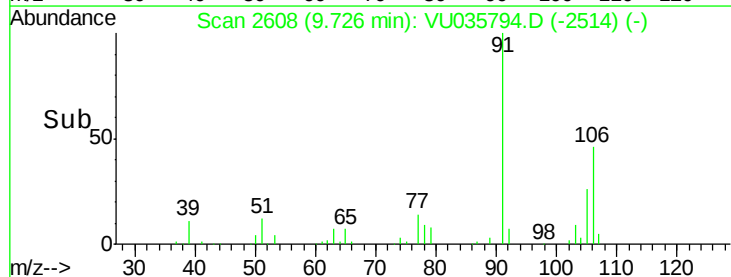
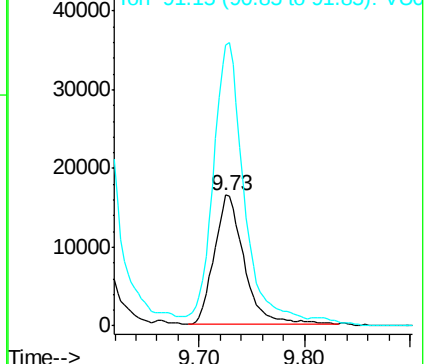
Ion Ratio Lower Upper

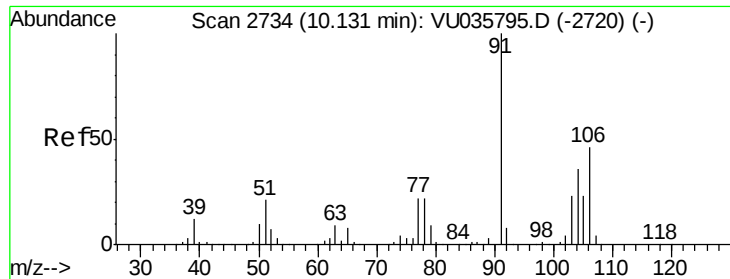
106 100

91 215.2 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035795.D (-2593) (-)





#54

o-Xylene

Concen: 0.859 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

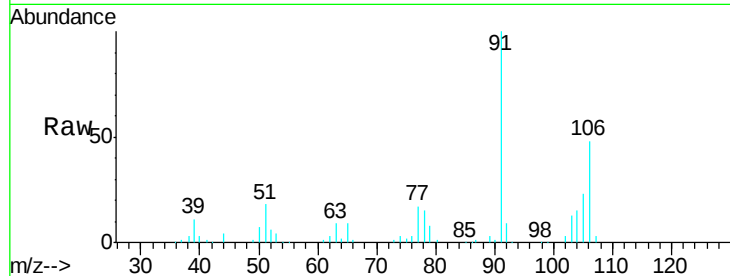
VSTD00104

Tgt Ion:106 Resp: 34207

Ion Ratio Lower Upper

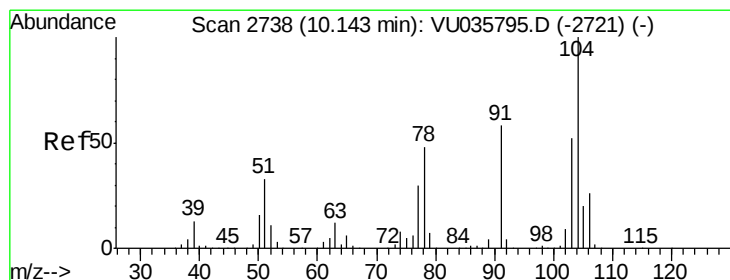
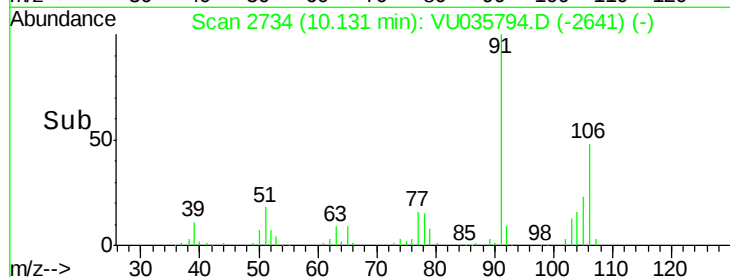
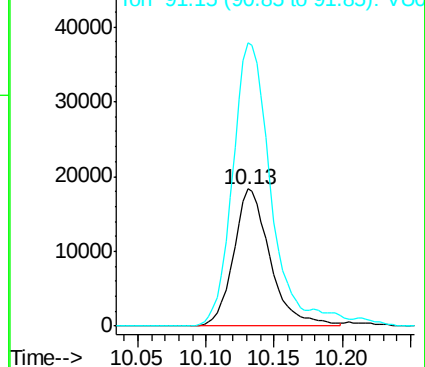
106 100

91 206.4 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.722 ug/L

RT: 10.15 min Scan# 2740

Delta R.T. 0.01 min

Lab File: VU035794.D

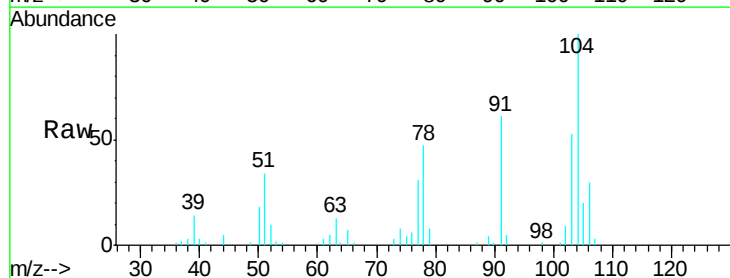
Acq: 21 Nov 2019 10:16

Tgt Ion:104 Resp: 47963

Ion Ratio Lower Upper

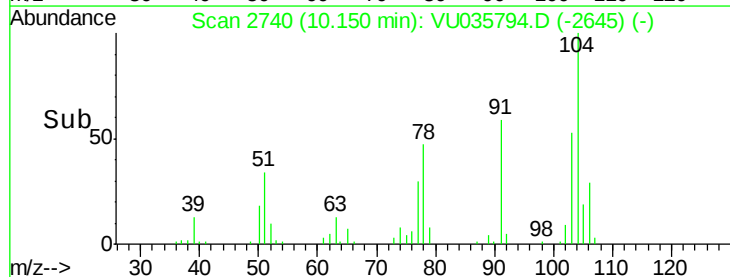
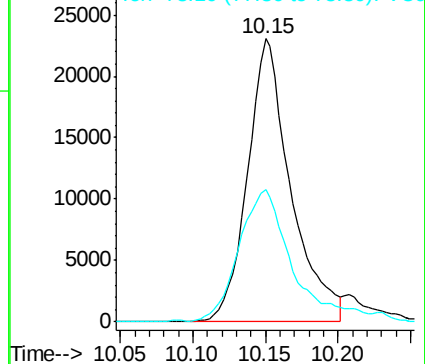
104 100

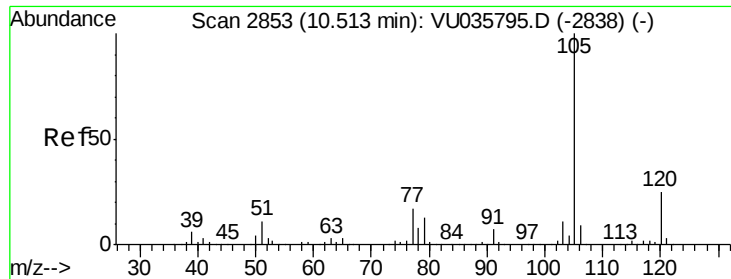
78 46.5 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.793 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

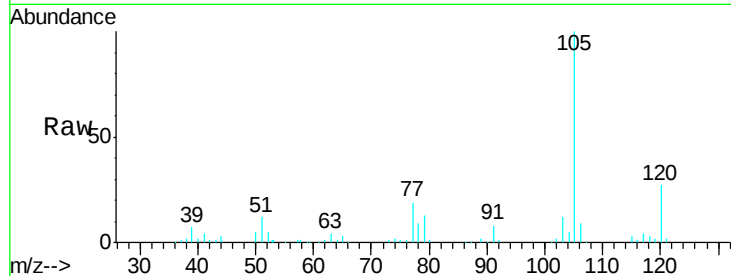
Tgt Ion: 105 Resp: 83799

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

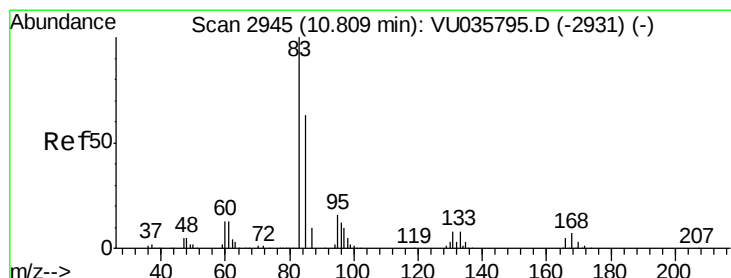
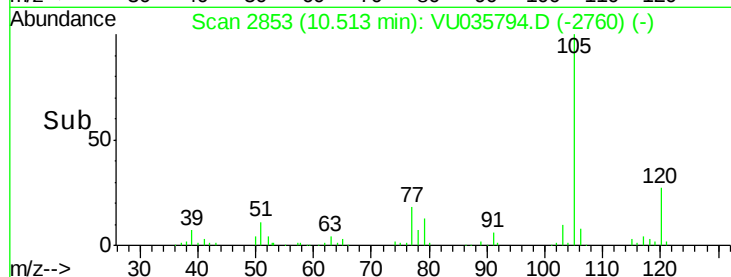
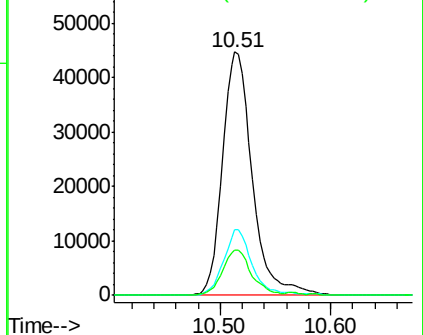
77 18.1 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.116 ug/L

RT: 10.82 min Scan# 2947

Delta R.T. 0.01 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

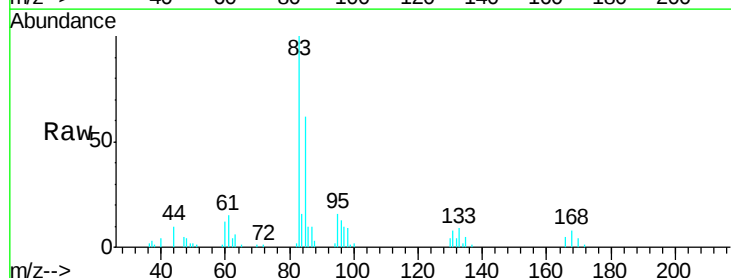
Tgt Ion: 83 Resp: 27780

Ion Ratio Lower Upper

83 100

85 62.3 44.6 82.8

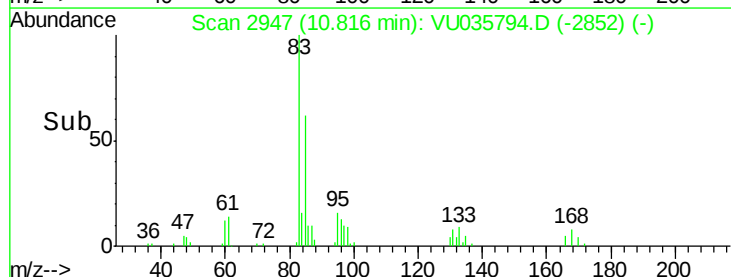
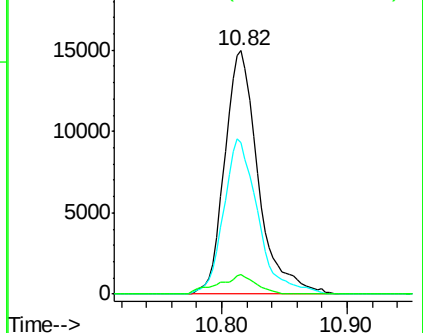
131 7.8 6.9 10.3

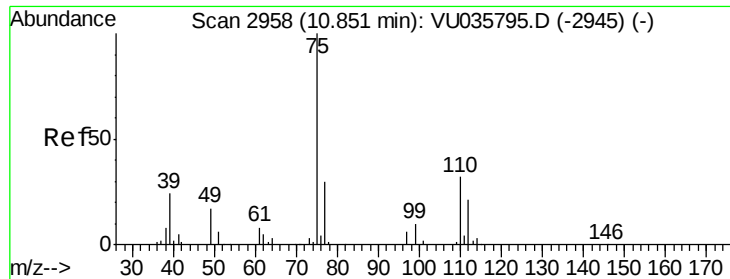


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.107 ug/L

RT: 10.86 min Scan# 2960

Delta R.T. 0.01 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

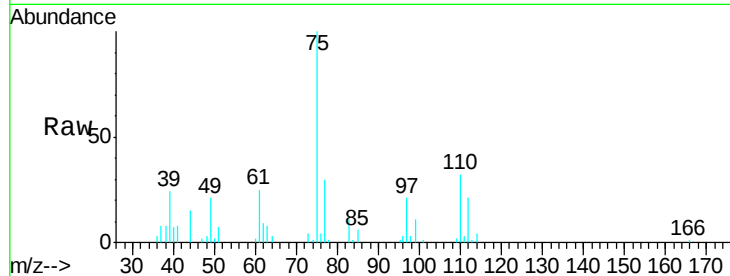
VSTD00104

Tgt Ion: 75 Resp: 19656

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035795.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035795.D (-2945) (-)

12000

10000

8000

6000

4000

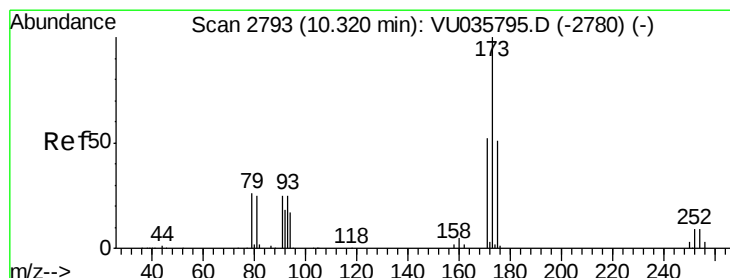
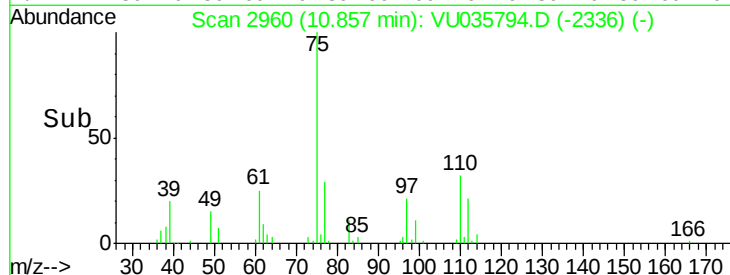
2000

0

10.80

10.90

Time-->



#61

Bromoform

Concen: 1.260 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

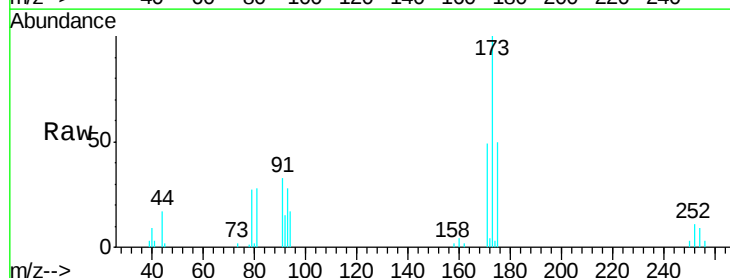
Tgt Ion: 173 Resp: 12693

Ion Ratio Lower Upper

173 100

175 50.4 40.1 60.1

254 7.0 7.1 10.7#



Abundance Ion 172.90 (172.60 to 173.60): VU035795.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035795.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035795.D (-2780) (-)

8000

6000

4000

2000

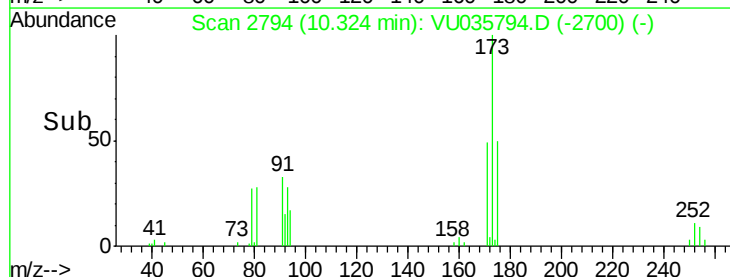
0

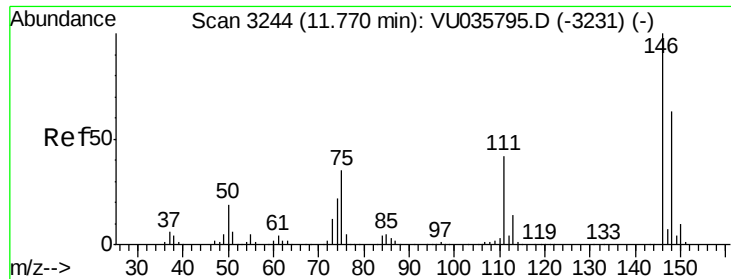
10.25

10.30

10.35

Time-->

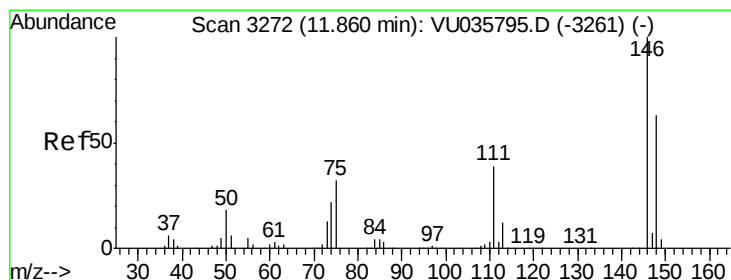
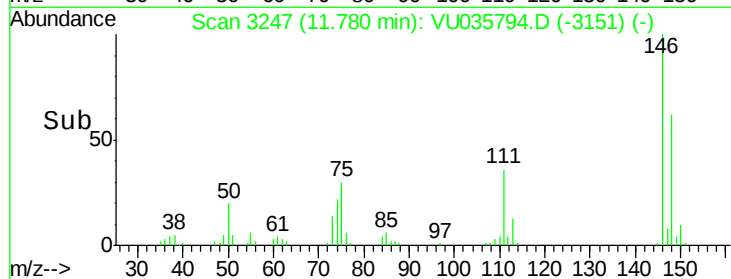
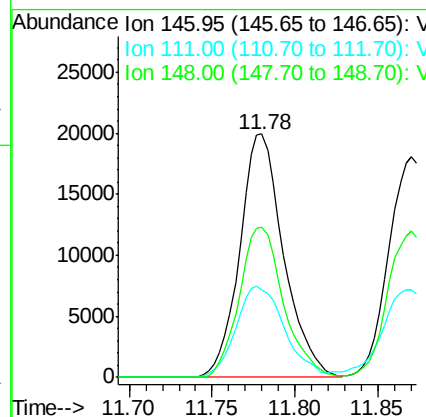
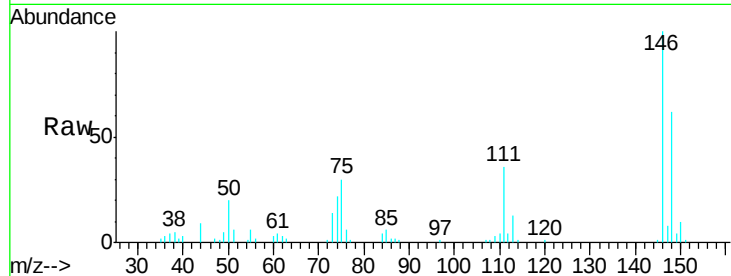




#62
 1,3-Dichlorobenzene
 Concen: 0.977 ug/L
 RT: 11.78 min Scan# 3247
 Delta R.T. 0.01 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

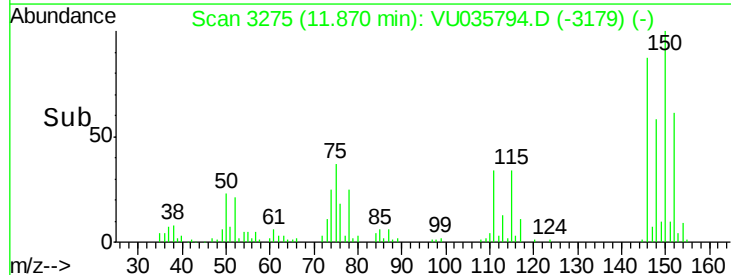
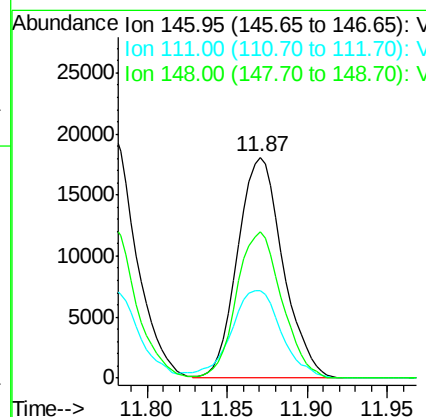
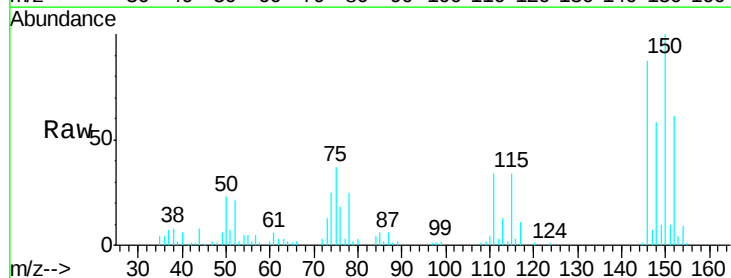
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

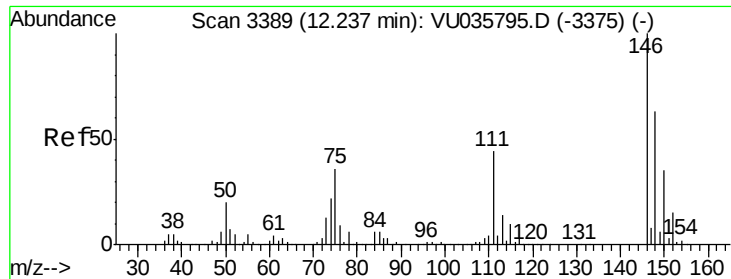
Tgt Ion:146 Resp: 36662
 Ion Ratio Lower Upper
 146 100
 111 36.2 29.5 54.7
 148 61.9 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 0.968 ug/L
 RT: 11.87 min Scan# 3275
 Delta R.T. 0.01 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion:146 Resp: 35011
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.9 51.7
 148 66.0 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 0.994 ug/L

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

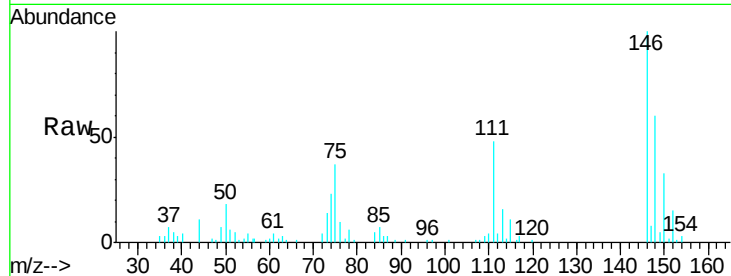
Tgt Ion:146 Resp: 34877

Ion Ratio Lower Upper

146 100

111 48.1 35.4 53.0

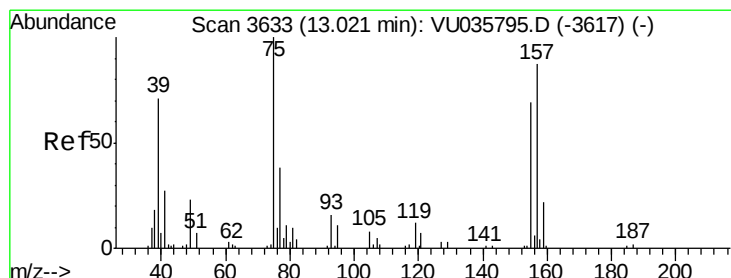
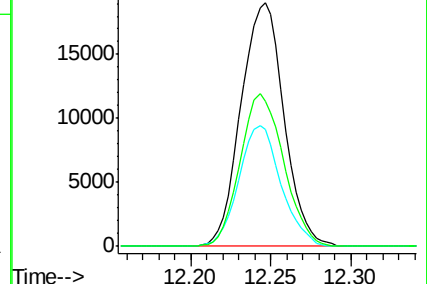
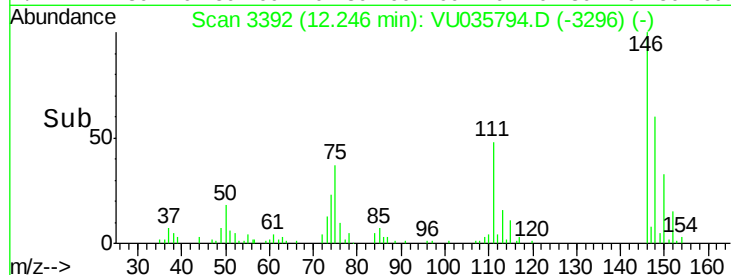
148 59.6 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.402 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

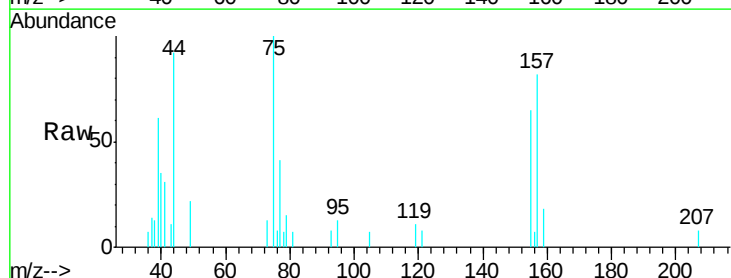
Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

75 100

155 65.1 55.4 83.2

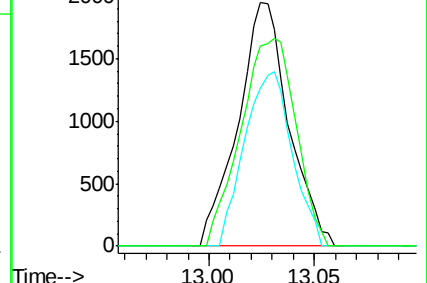
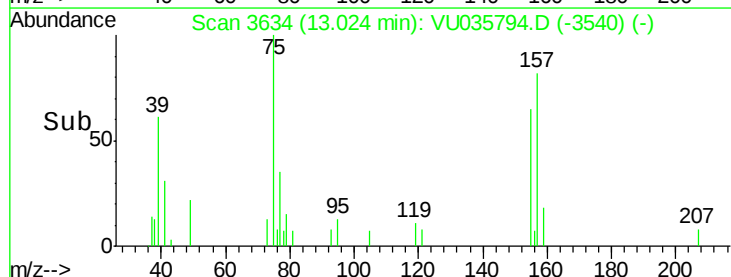
157 82.0 69.4 104.2

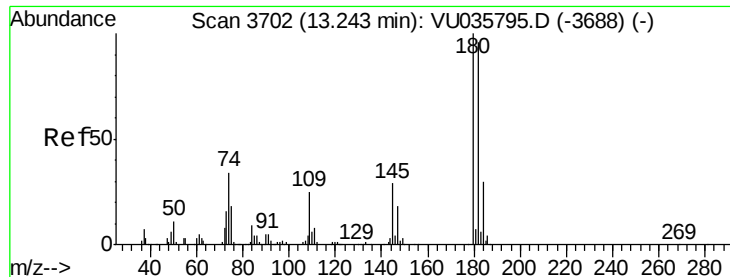


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

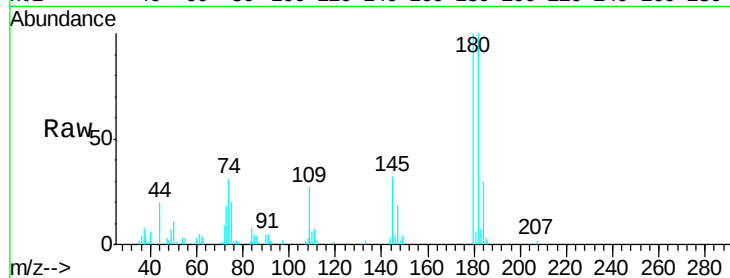




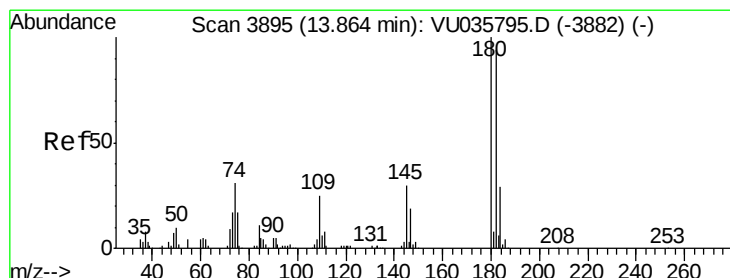
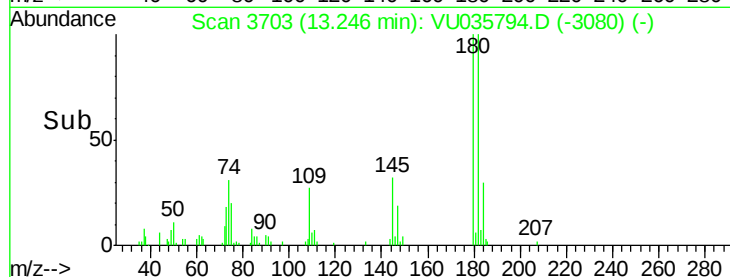
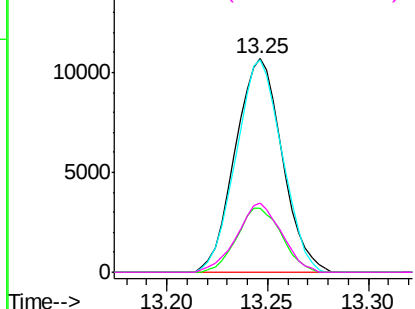
#67
 1,3,5-Trichlorobenzene
 Concen: 0.732 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 17437
 Ion Ratio Lower Upper
 180 100
 182 97.3 75.6 113.4
 184 28.7 24.1 36.1
 145 30.7 23.7 35.5

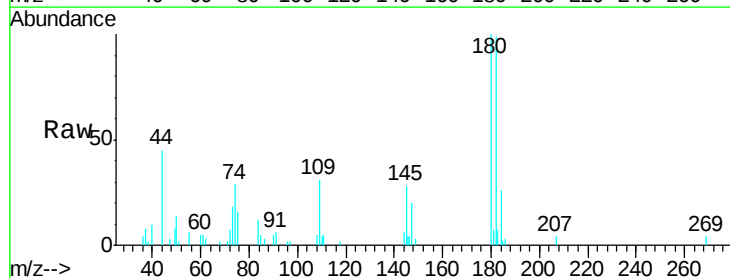


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

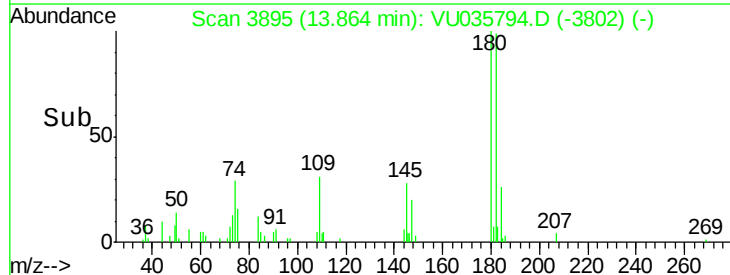
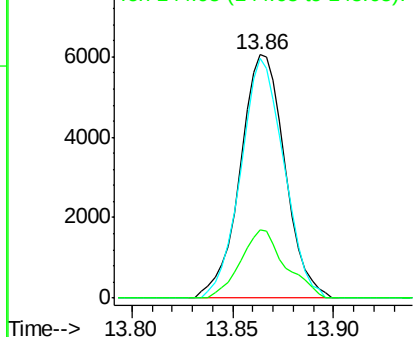


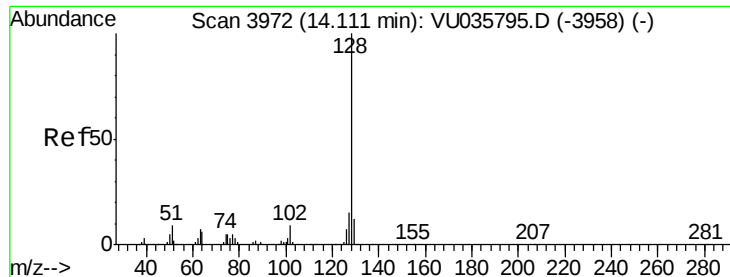
#68
 1,2,4-trichlorobenzene
 Concen: 0.655 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035794.D
 Acq: 21 Nov 2019 10:16

Tgt Ion:180 Resp: 9379
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.1 112.7
 145 28.0 24.0 36.0



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





#69

Naphthalene

Concen: 0.743 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

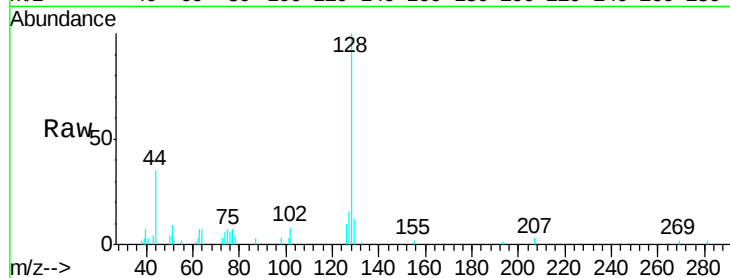
Tgt Ion:128 Resp: 13239

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

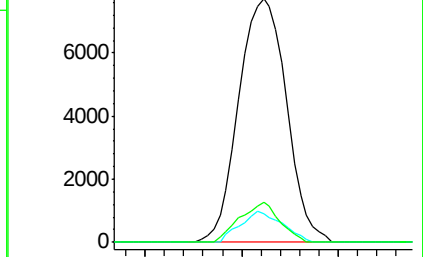
127 13.8 11.8 17.6



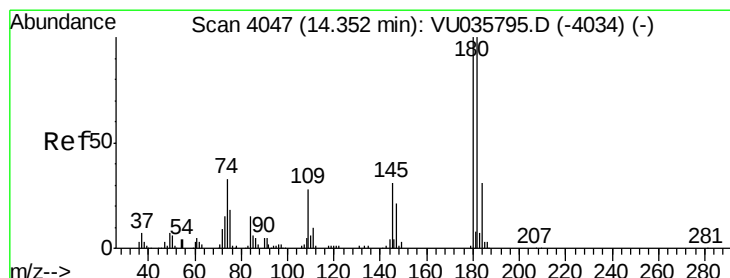
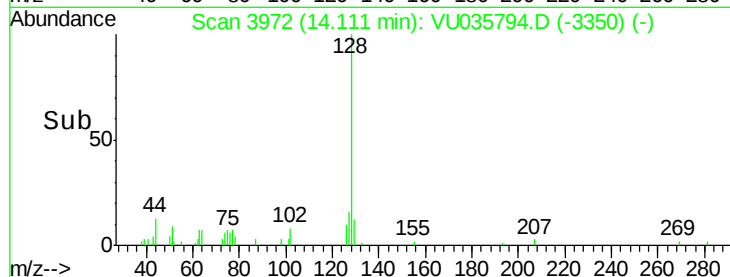
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 0.701 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035794.D

Acq: 21 Nov 2019 10:16

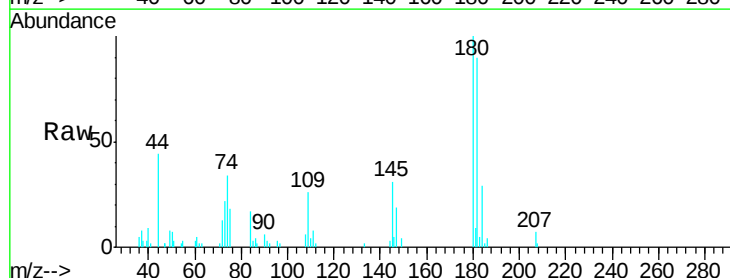
Tgt Ion:180 Resp: 9693

Ion Ratio Lower Upper

180 100

182 98.0 77.4 116.0

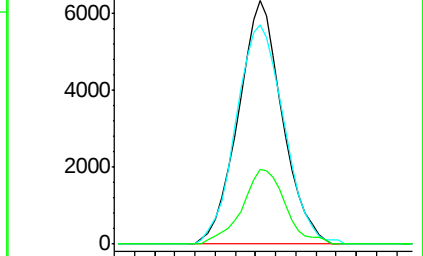
145 30.2 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V



Time-->

