

Data File : VU035825.D
Acq On : 25 Nov 2019 15:13
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Quant Time: Nov 26 00:58:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 25 16:47:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	256519	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	278374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	159085	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	140211	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	134103	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.60	63	243660	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.69	46	435564	56.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.34%
24) Chloroform-d	5.11	84	284062	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.75	65	155904	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.77	84	525245	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.73	67	180723	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.93	98	483072	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.21	79	68944	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.67	63	369643	66.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.08%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	158619	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	165530	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	154688	4.450 ug/L	98
3) Chloromethane	1.54	50	191425	4.473 ug/L	98
5) Vinyl chloride	1.62	62	196057	4.577 ug/L	95
6) Bromomethane	1.87	94	108564	4.931 ug/L	98
8) Chloroethane	1.95	64	121779	4.914 ug/L	89
9) Trichlorofluoromethane	2.16	101	231939	4.663 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	128134	4.535 ug/L	97
12) 1,1-Dichloroethene	2.61	96	115025	4.310 ug/L	96
13) Acetone	2.68	43	267586	39.288 ug/L	97
14) Carbon disulfide	2.82	76	371698	4.193 ug/L	100
15) Methyl Acetate	3.00	43	63284	4.635 ug/L	98
16) Methylene chloride	3.08	84	145708	4.519 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	290073	4.492 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	120258	4.576 ug/L	98
19) 1,1-Dichloroethane	3.92	63	270652	4.584 ug/L	98
21) 2-Butanone	4.77	43	416793	48.360 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	136059	4.646 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60959	4.778	ug/L	97
25) Chloroform	5.14	83	282680	4.919	ug/L	100
27) 1,2-Dichloroethane	5.84	62	179596	4.752	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	216896	4.825	ug/L	99
30) Cyclohexane	5.43	56	200121	4.556	ug/L	97
31) Carbon tetrachloride	5.57	117	186220	4.784	ug/L	98
33) Benzene	5.82	78	574222	4.942	ug/L	100
34) Trichloroethene	6.58	95	133698	4.693	ug/L	95
35) Methylcyclohexane	6.80	83	189964	4.543	ug/L	97
37) 1,2-Dichloropropane	6.83	63	160888	4.882	ug/L	100
38) Bromodichloromethane	7.14	83	190349	4.819	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	204482	4.793	ug/L	97
40) 4-Methyl-2-pentanone	7.84	43	985602	48.712	ug/L	100
42) Toluene	8.00	91	594828	4.921	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	179890	5.085	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	105054	4.892	ug/L	97
47) Tetrachloroethene	8.58	164	104865	4.837	ug/L	97
48) 2-Hexanone	8.73	43	758122	50.894	ug/L	94
49) Dibromochloromethane	8.84	129	123135	4.860	ug/L	98
50) 1,2-Dibromoethane	8.96	107	97750	4.974	ug/L	95
51) Chlorobenzene	9.48	112	351270	4.691	ug/L	97
52) Ethylbenzene	9.60	91	578798	4.631	ug/L	100
53) m,p-Xylene	9.72	106	220160	4.996	ug/L	96
54) o-Xylene	10.13	106	207747	4.854	ug/L	100
55) Styrene	10.14	104	364073	5.129	ug/L	99
56) Isopropylbenzene	10.51	105	547489	4.843	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	144592	4.866	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	102733	4.795	ug/L	98
61) Bromoform	10.32	173	69050	4.320	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	271125	4.748	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	270198	4.807	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	256758	4.713	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20523	4.553	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	191285	5.575	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	114900	5.827	ug/L	99
69) Naphthalene	14.11	128	121932	4.391	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	110392	5.756	ug/L	100

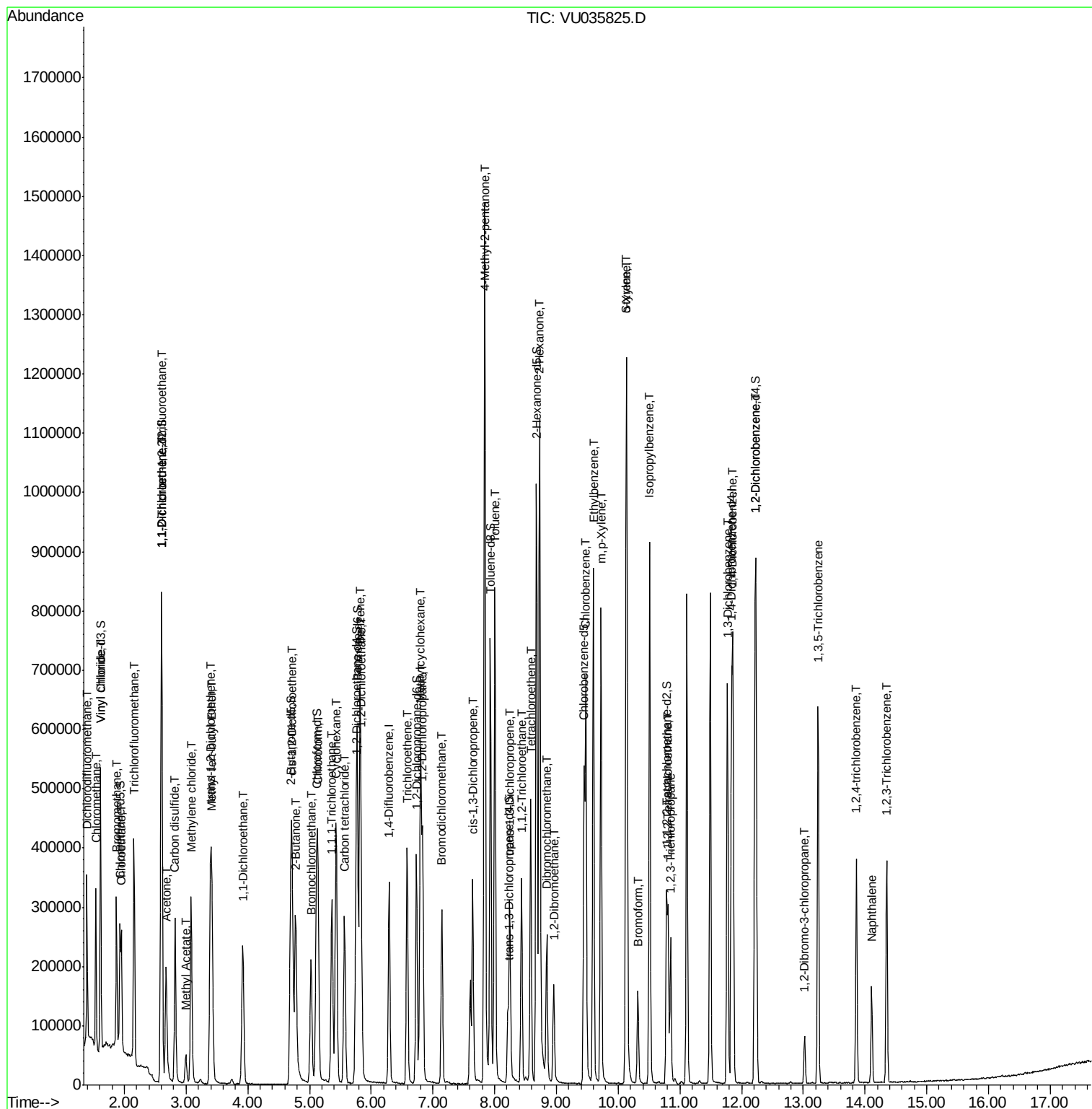
(#) = qualifier out of range (m) = manual integration (+) = signals summed

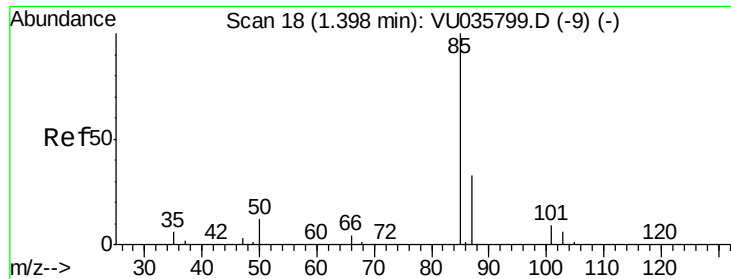
Data File : VU035825.D

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#2

Dichlorodifluoromethane

Concen: 4.450 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

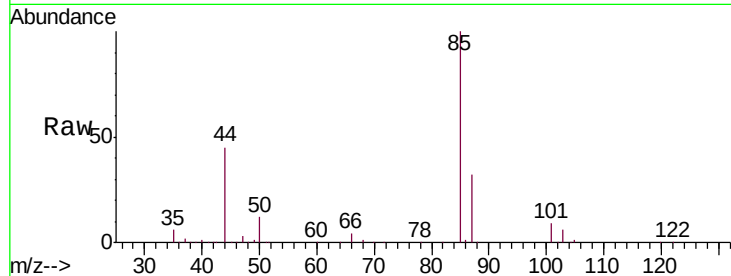
VSTD00508

Tgt Ion: 85 Resp: 154688

Ion Ratio Lower Upper

85 100

87 31.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035799.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035799.D (-9) (-)

1.39

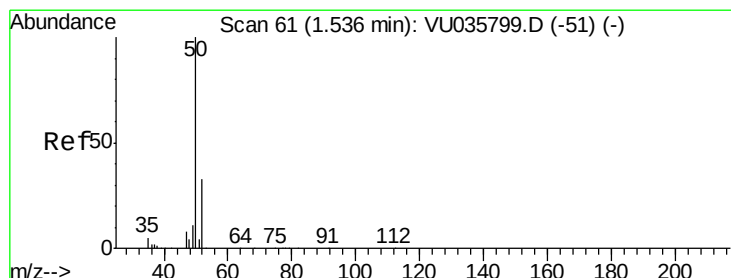
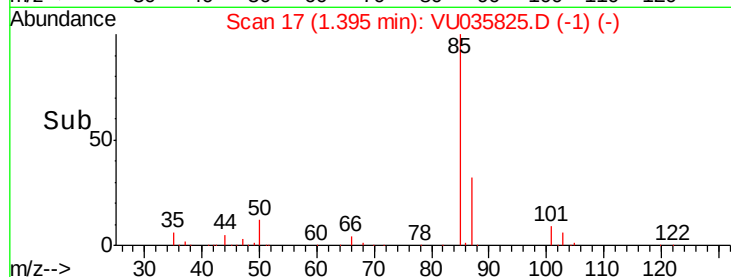
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.473 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035825.D

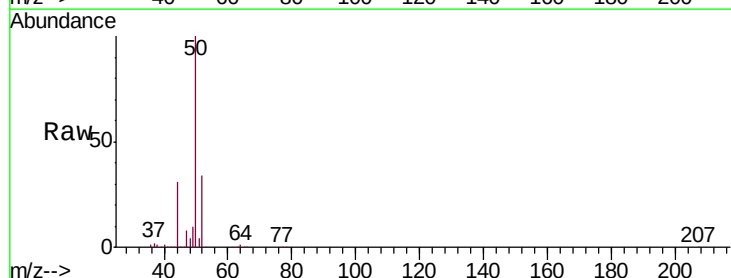
Acq: 25 Nov 2019 15:13

Tgt Ion: 50 Resp: 191425

Ion Ratio Lower Upper

50 100

52 33.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035799.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035799.D (-51) (-)

1.54

200000

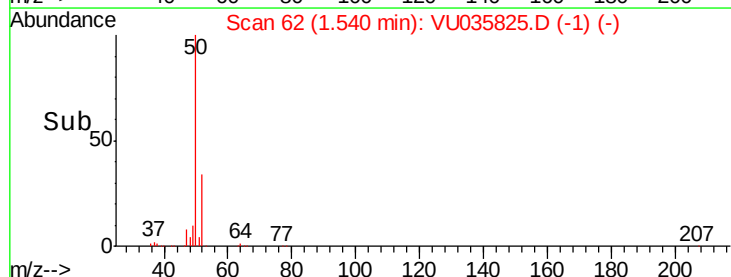
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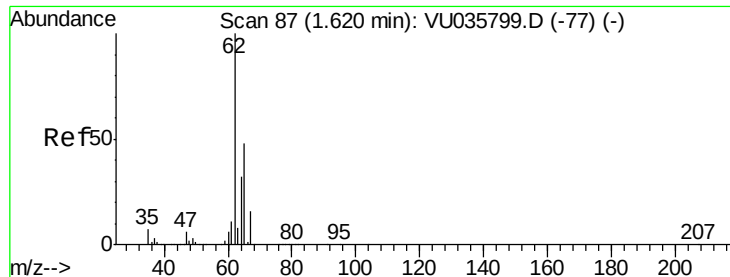
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.577 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

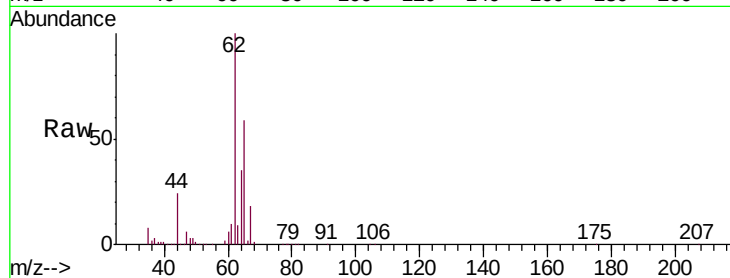
VSTD00508

Tgt Ion: 62 Resp: 196057

Ion Ratio Lower Upper

62 100

64 35.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035799.D (-77) (-)

1.62

200000

150000

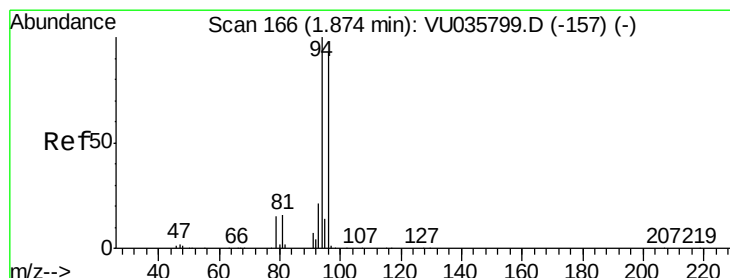
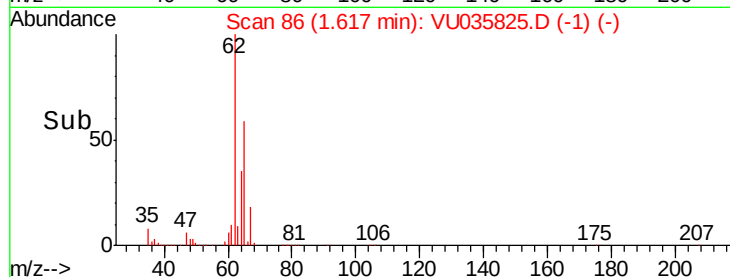
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.931 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035825.D

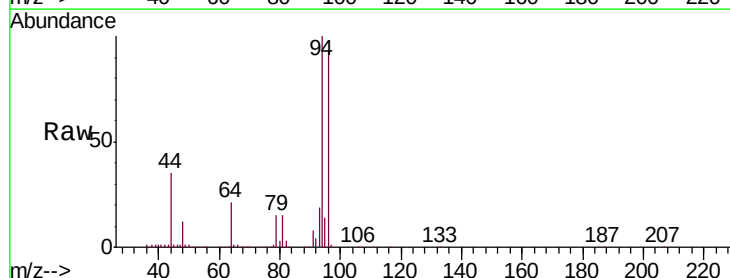
Acq: 25 Nov 2019 15:13

Tgt Ion: 94 Resp: 108564

Ion Ratio Lower Upper

94 100

96 93.2 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035799.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035799.D (-157) (-)

1.87

100000

80000

60000

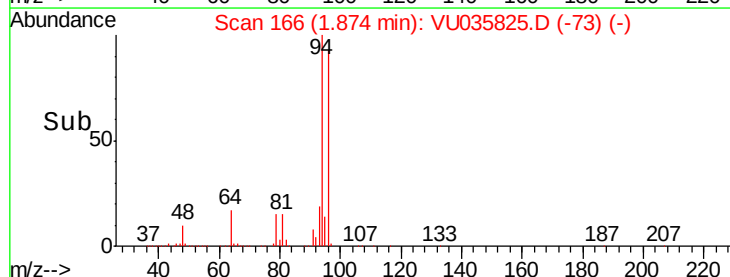
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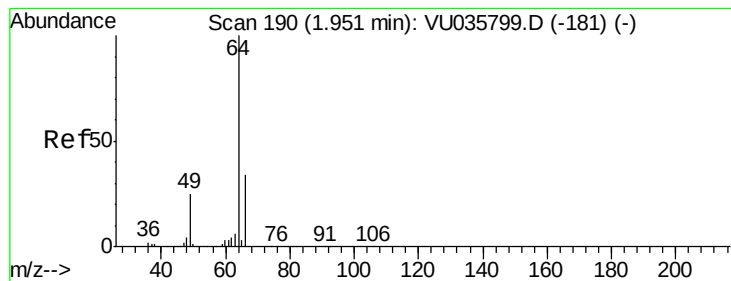
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.914 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

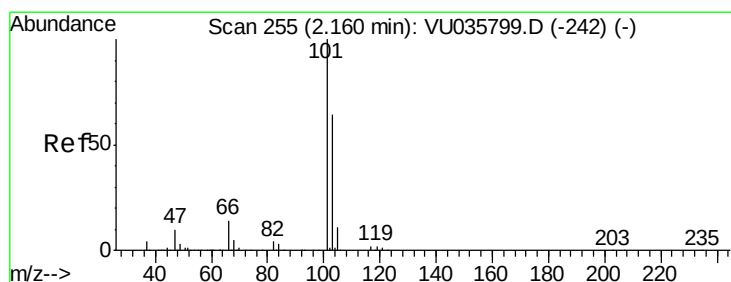
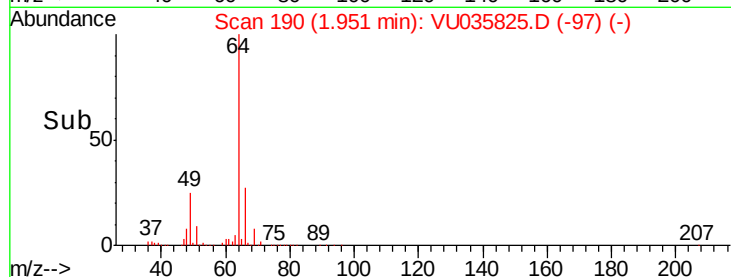
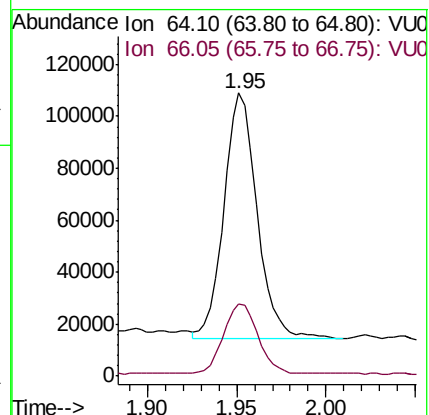
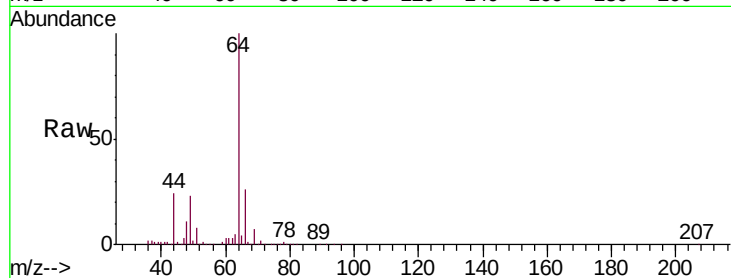
VSTD00508

Tgt Ion: 64 Resp: 121779

Ion Ratio Lower Upper

64 100

66 25.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.663 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035825.D

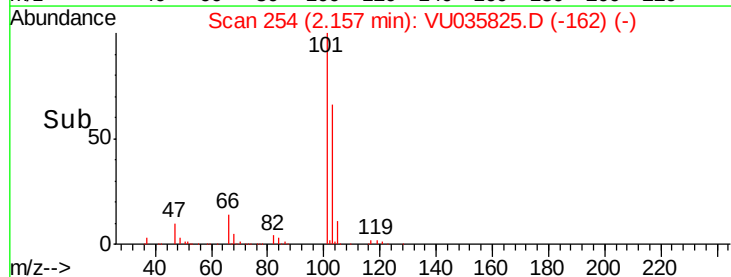
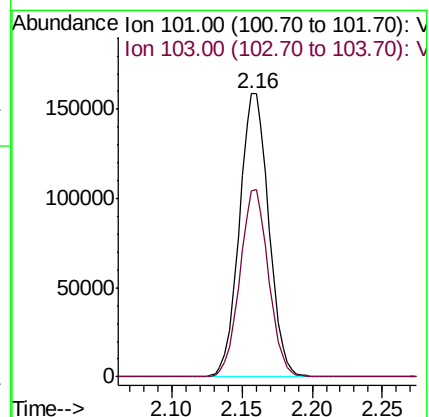
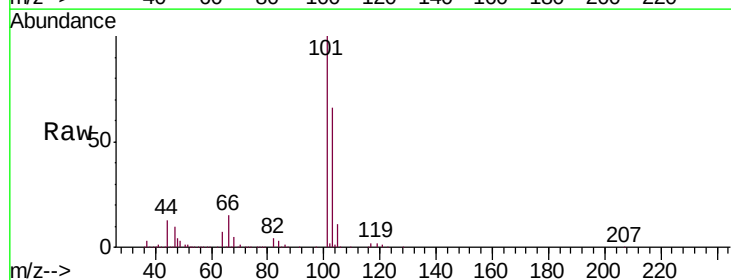
Acq: 25 Nov 2019 15:13

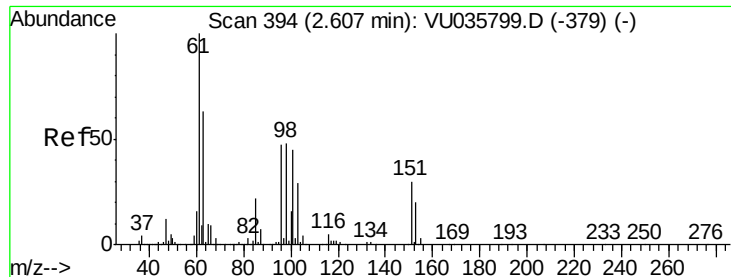
Tgt Ion: 101 Resp: 231939

Ion Ratio Lower Upper

101 100

103 64.7 49.8 74.6





#10

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

Concen: 4.535 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

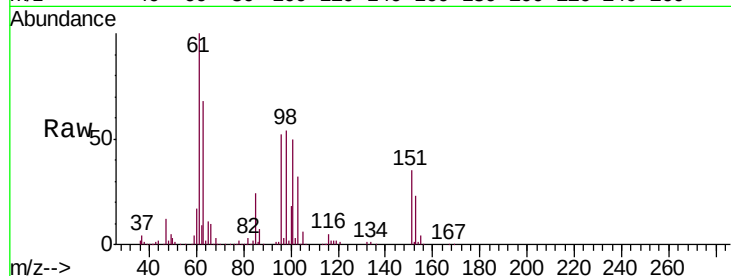
Tgt Ion: 101 Resp: 128134

Ion Ratio Lower Upper

101 100

85 47.6 38.1 57.1

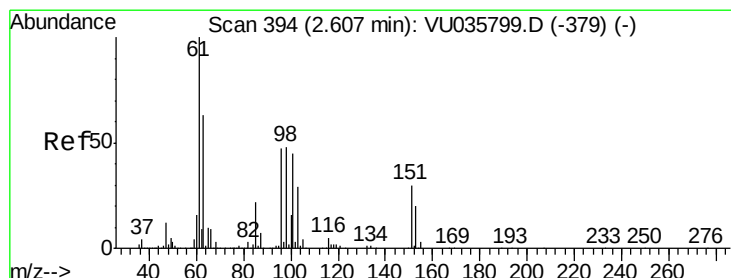
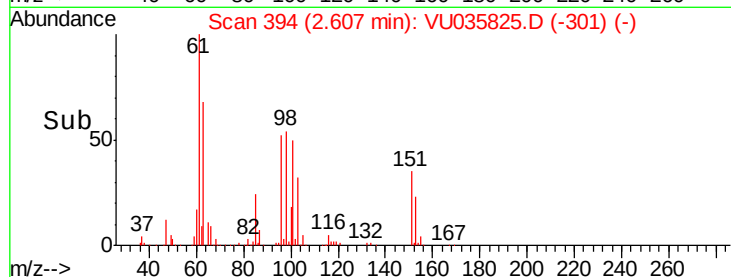
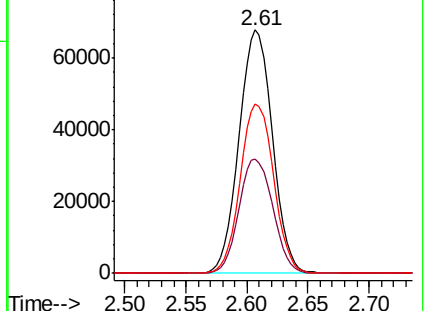
151 69.6 52.0 78.0



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: 4.310 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

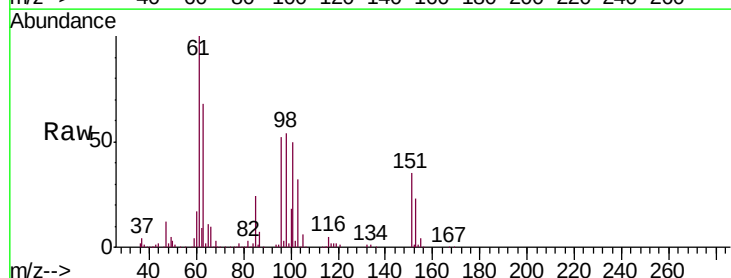
Tgt Ion: 96 Resp: 115025

Ion Ratio Lower Upper

96 100

61 192.1 139.3 258.7

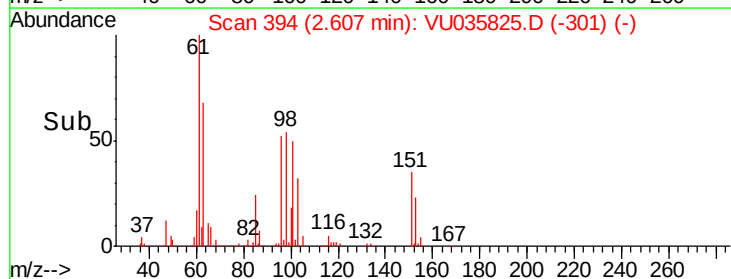
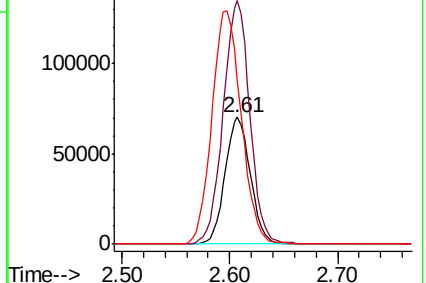
63 130.1 93.7 174.1

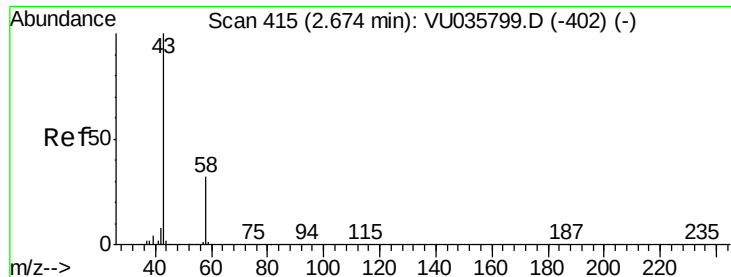


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.288 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

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ClientSampleId :

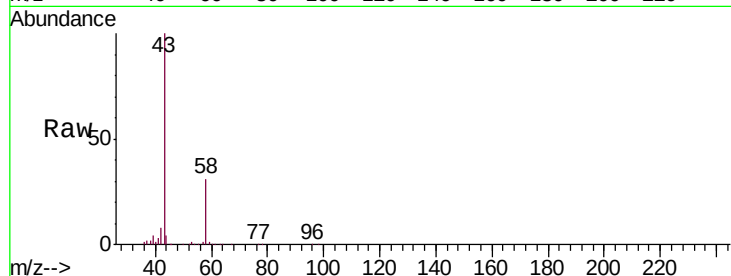
VSTD00508

Tgt Ion: 43 Resp: 267586

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)

2.68

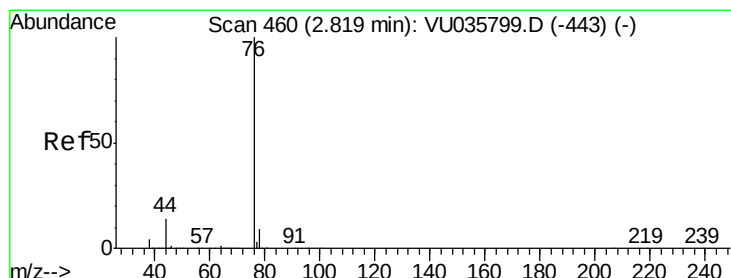
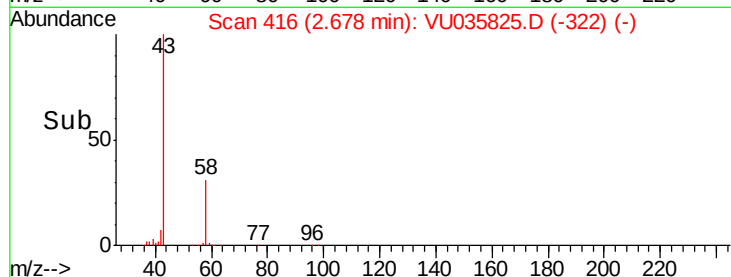
100000

50000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.193 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035825.D

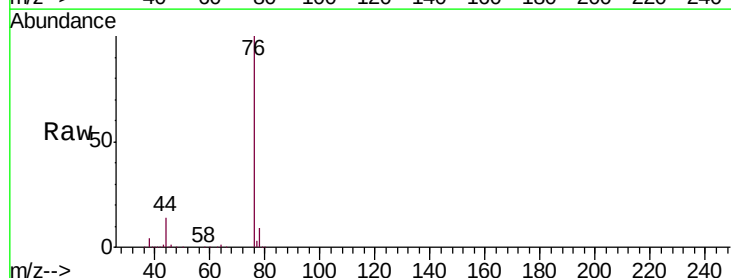
Acq: 25 Nov 2019 15:13

Tgt Ion: 76 Resp: 371698

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035799.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035799.D (-443) (-)

250000

200000

150000

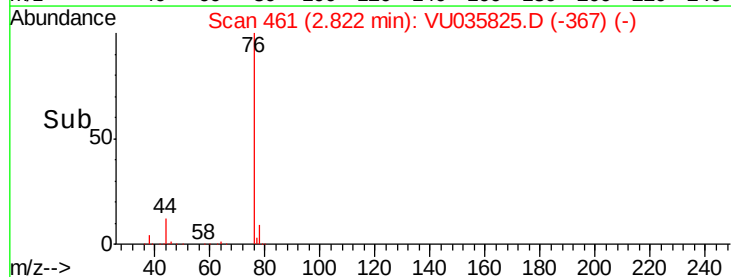
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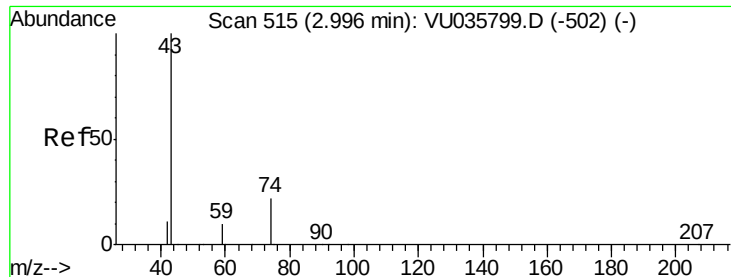
50000

0

Time-->

2.70 2.80 2.90





#15

Methyl Acetate

Concen: 4.635 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

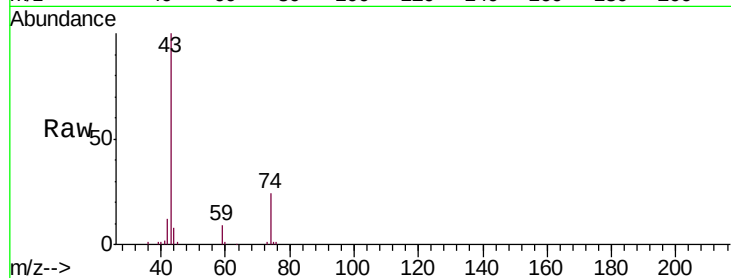
VSTD00508

Tgt Ion: 43 Resp: 63284

Ion Ratio Lower Upper

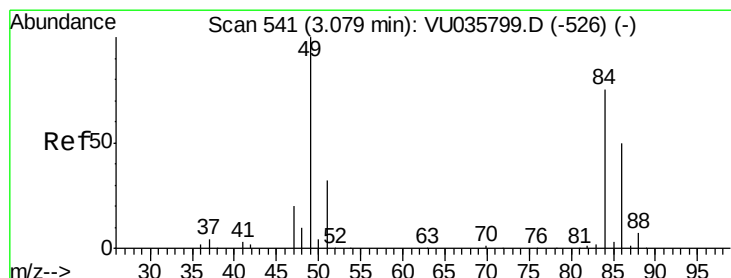
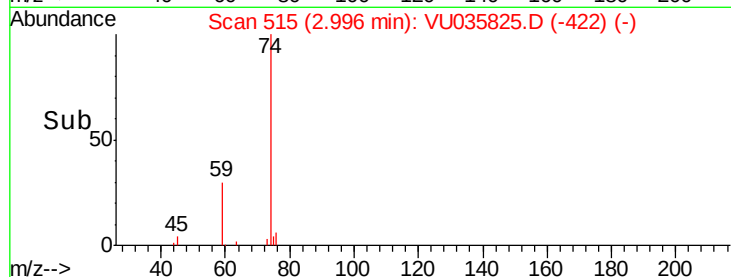
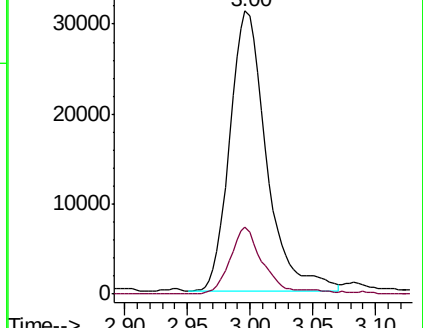
43 100

74 22.0 18.2 27.4



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-502) (-)

Ion 74.05 (73.75 to 74.75): VU035799.D (-502) (-)



#16

Methylene chloride

Concen: 4.519 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

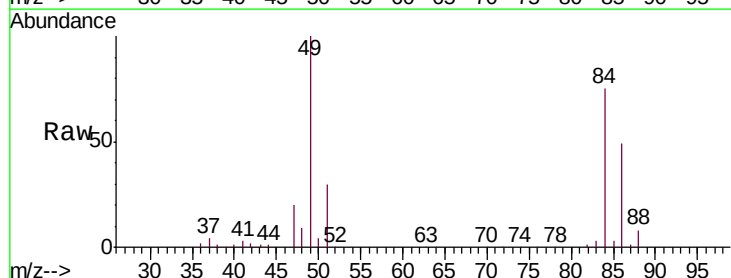
Tgt Ion: 84 Resp: 145708

Ion Ratio Lower Upper

84 100

86 65.1 44.4 82.5

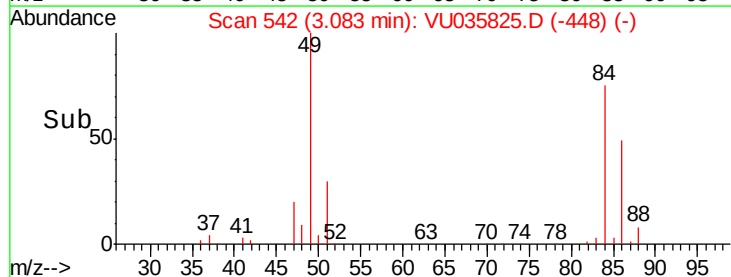
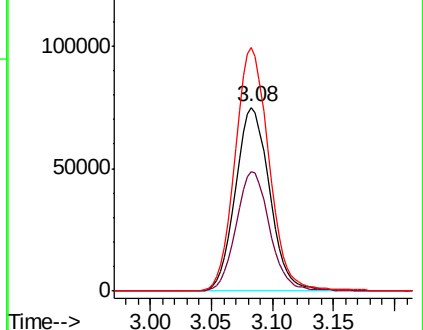
49 132.5 94.0 174.6

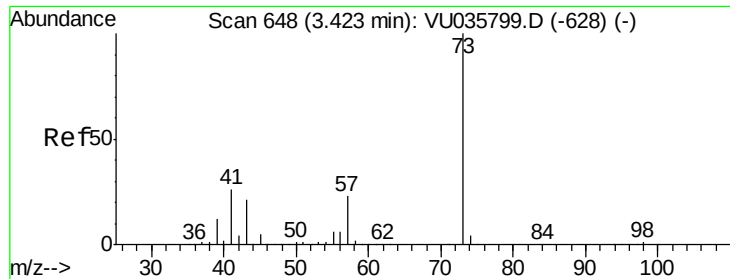


Abundance Ion 84.05 (83.75 to 84.75): VU035799.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035799.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035799.D (-526) (-)





#17

Methyl tert-butyl Ether

Concen: 4.492 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

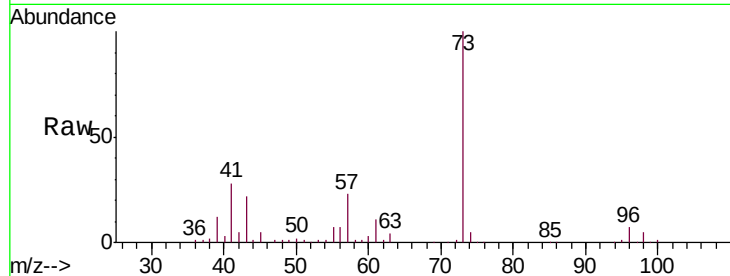
Tgt Ion: 73 Resp: 290073

Ion Ratio Lower Upper

73 100

43 22.2 17.4 26.2

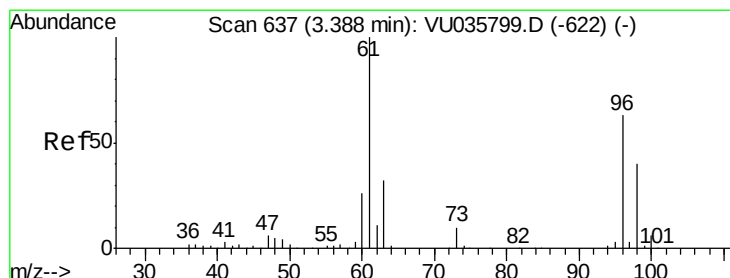
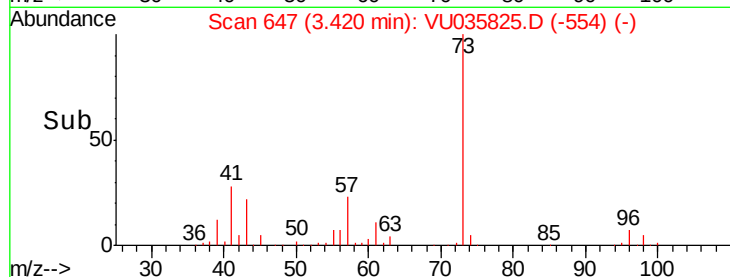
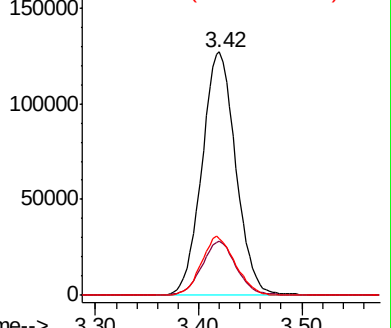
57 24.2 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU035799.D (-628) (-)

Ion 43.05 (42.75 to 43.75): VU035799.D (-628) (-)

Ion 57.10 (56.80 to 57.80): VU035799.D (-628) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.576 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

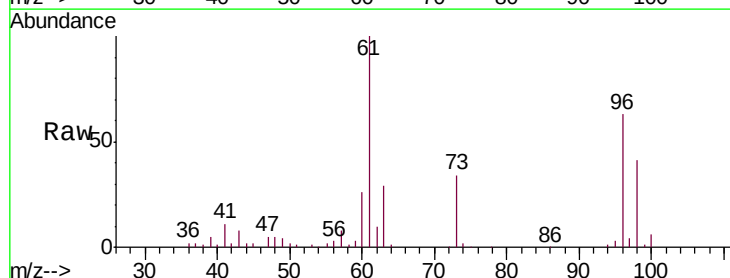
Tgt Ion: 96 Resp: 120258

Ion Ratio Lower Upper

96 100

61 157.6 111.1 206.3

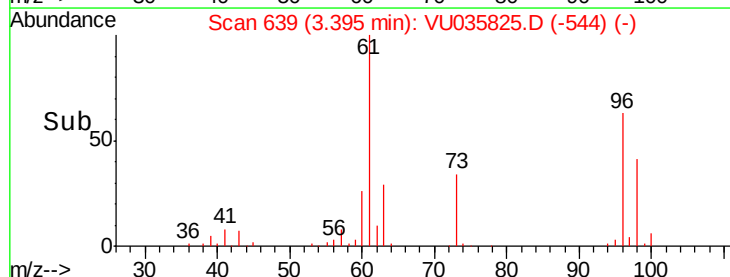
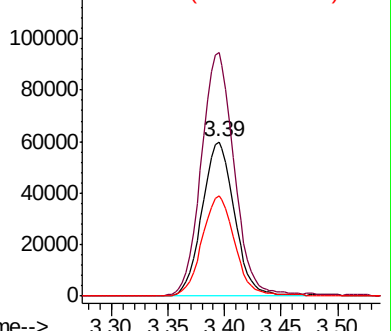
98 64.9 43.1 80.1

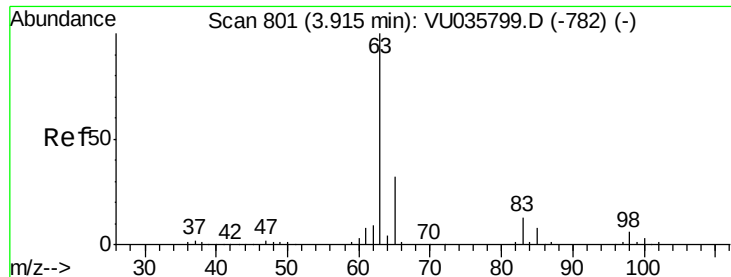


Abundance Ion 96.00 (95.70 to 96.70): VU035799.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU035799.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035799.D (-622) (-)

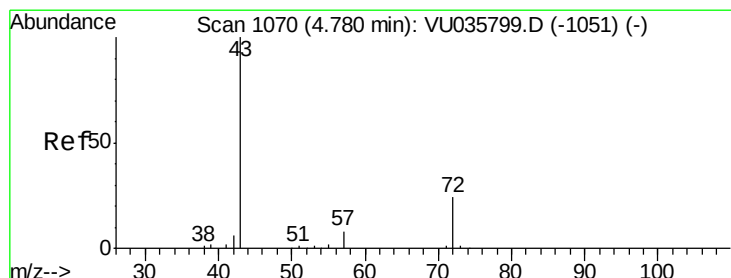
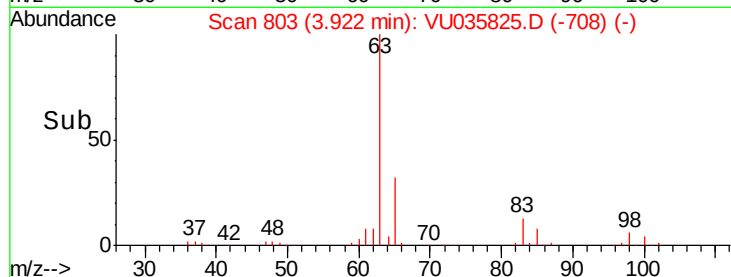
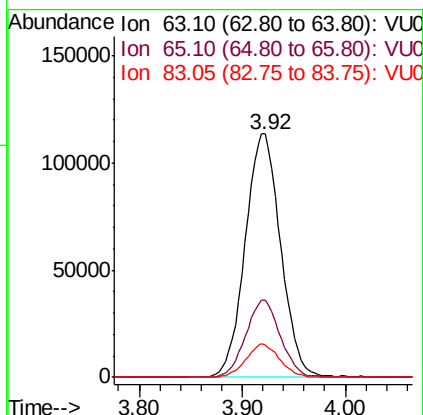
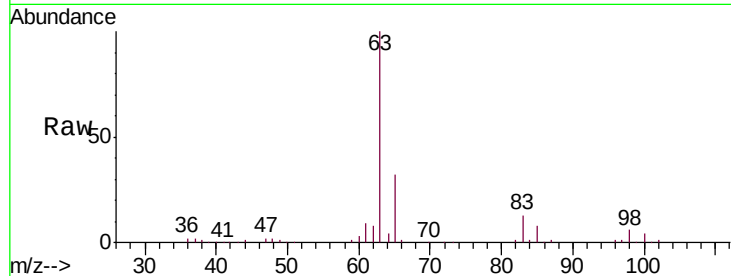




#19
 1,1-Dichloroethane
 Concen: 4.584 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

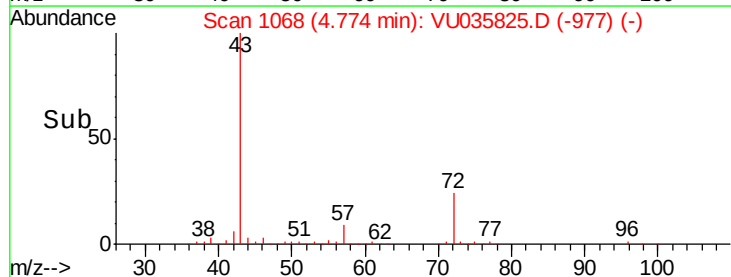
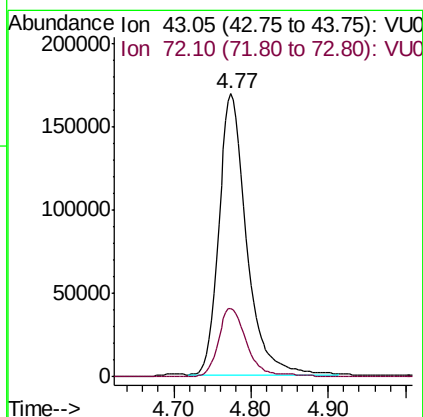
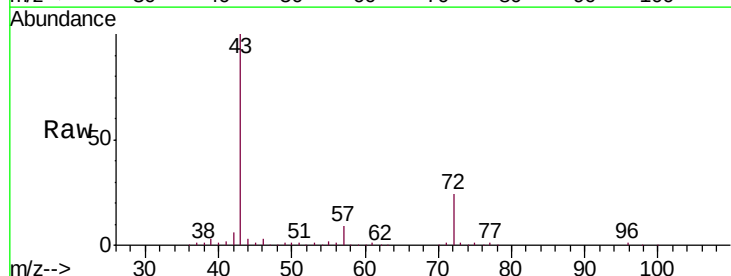
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00508

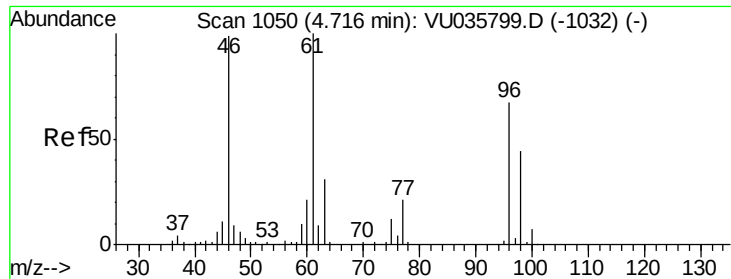
Tgt Ion: 63 Resp: 270652
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 13.3 8.6 16.0



#21
 2-Butanone
 Concen: 48.360 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion: 43 Resp: 416793
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 4.646 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

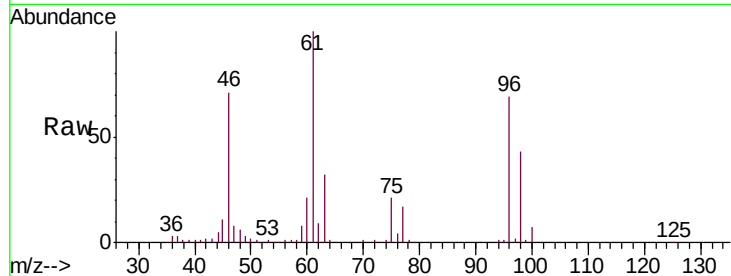
Tgt Ion: 96 Resp: 136059

Ion Ratio Lower Upper

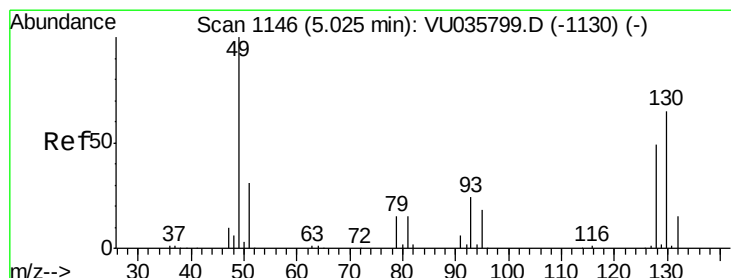
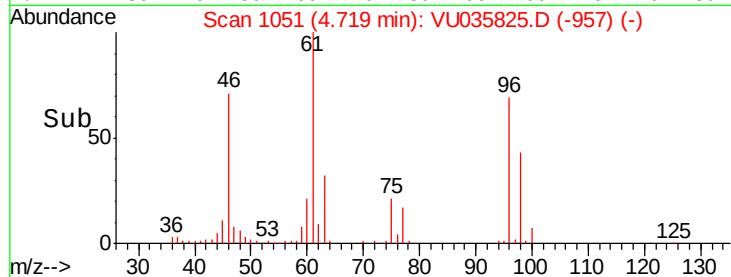
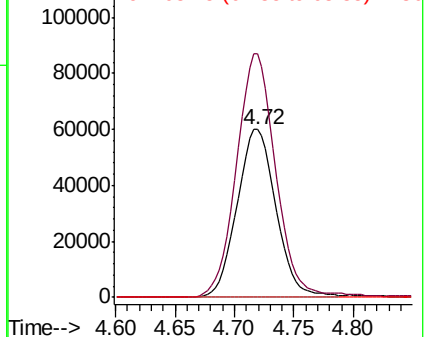
96 100

61 144.9 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.778 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Tgt Ion: 128 Resp: 60959

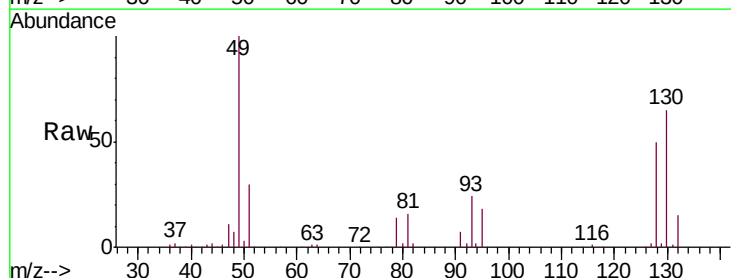
Ion Ratio Lower Upper

128 100

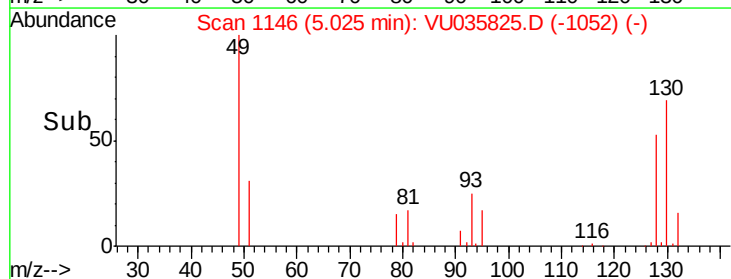
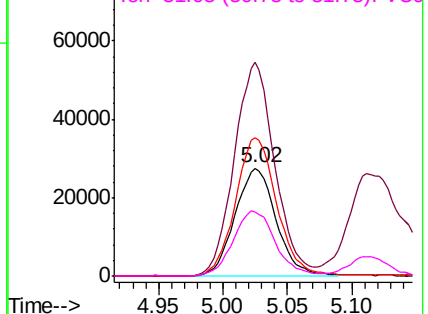
49 198.5 133.8 248.6

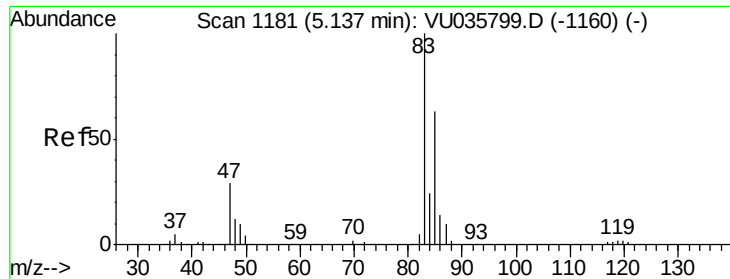
130 128.9 91.1 169.1

51 59.8 46.5 69.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

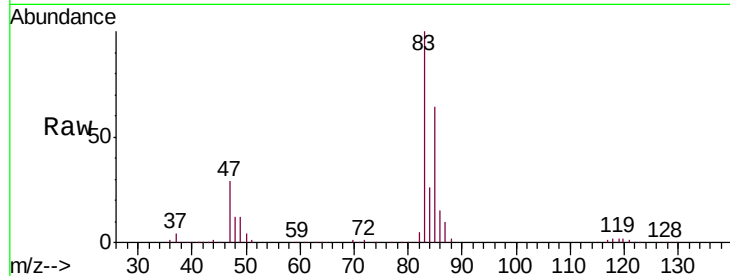




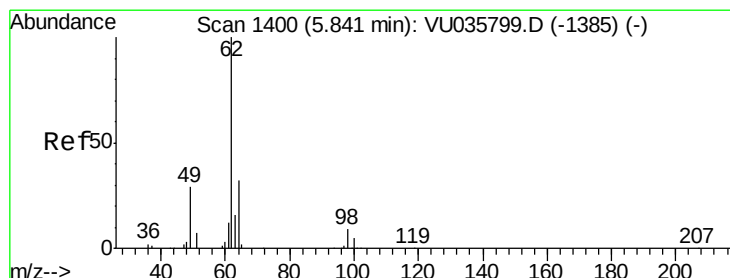
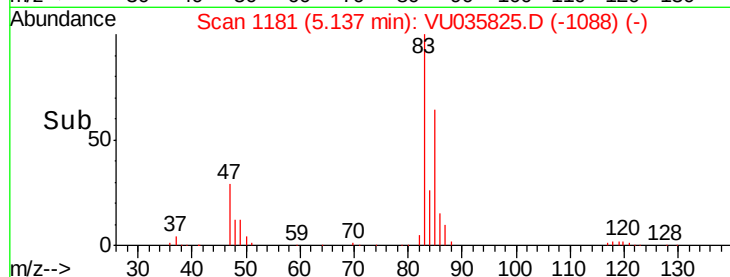
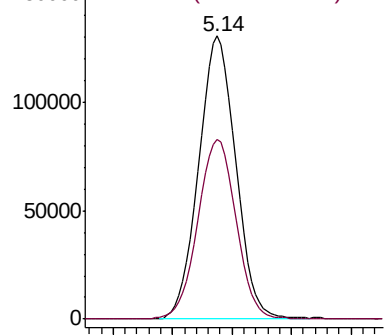
#25
Chloroform
Concen: 4.919 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tgt Ion: 83 Resp: 282680
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8

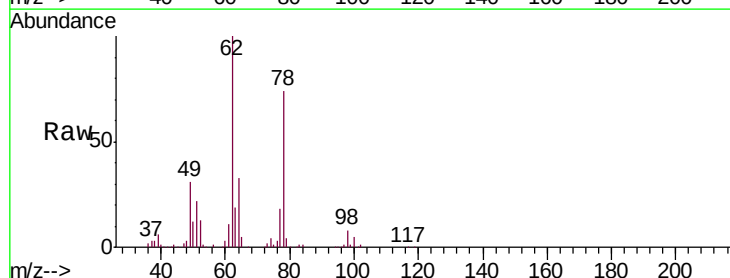


Abundance Ion 83.05 (82.75 to 83.75): VU035799.D (-1160) (-)
Ion 85.00 (84.70 to 85.70): VU035799.D (-1160) (-)

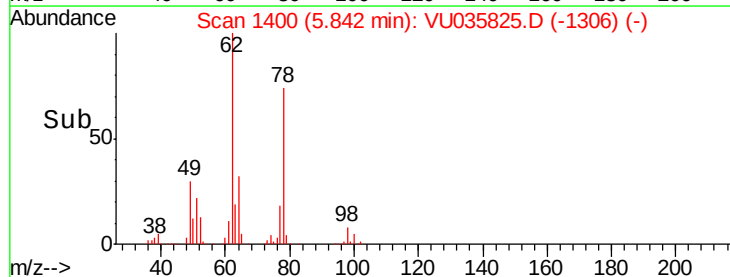
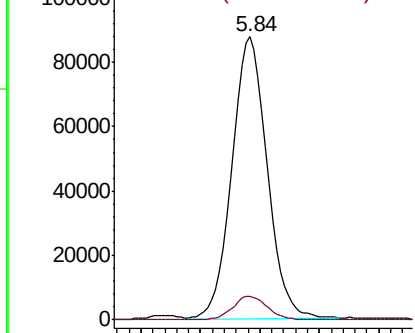


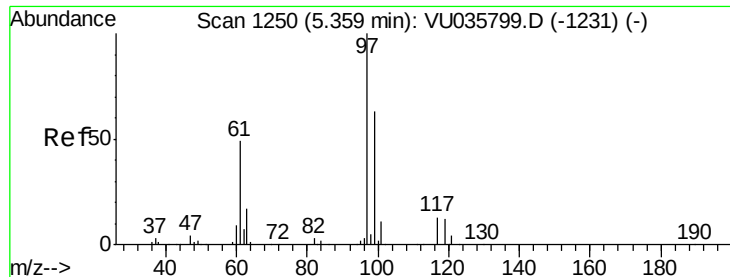
#27
1,2-Dichloroethane
Concen: 4.752 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Tgt Ion: 62 Resp: 179596
Ion Ratio Lower Upper
62 100
98 8.2 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-1385) (-)
Ion 98.05 (97.75 to 98.75): VU035799.D (-1385) (-)

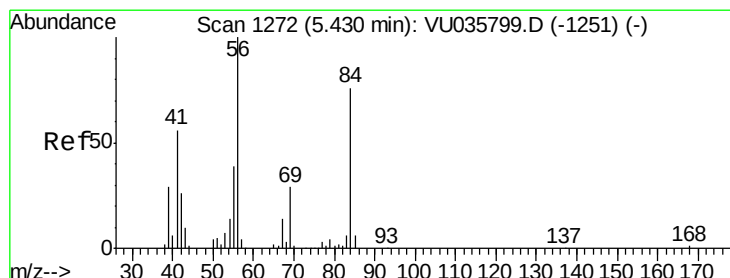
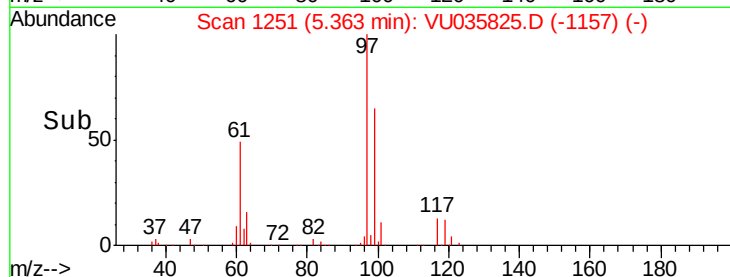
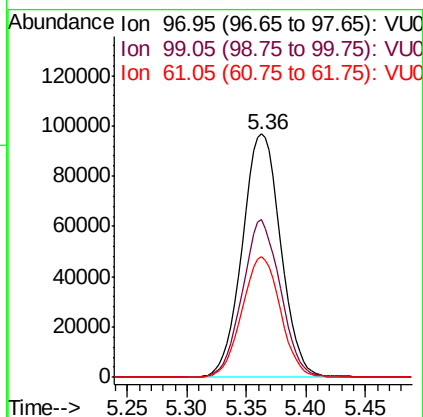
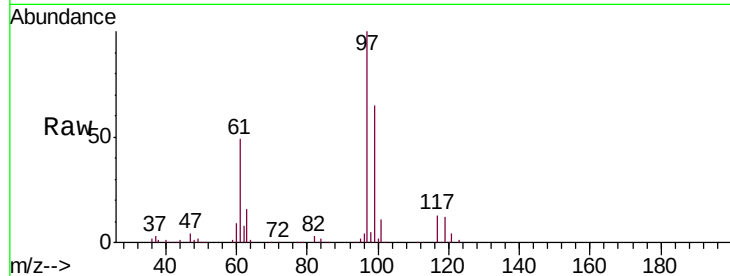




#29
 1,1,1-Trichloroethane
 Concen: 4.825 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

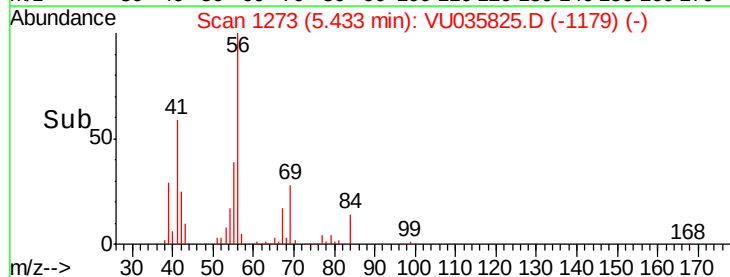
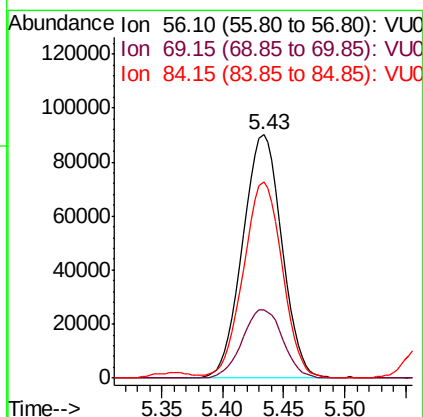
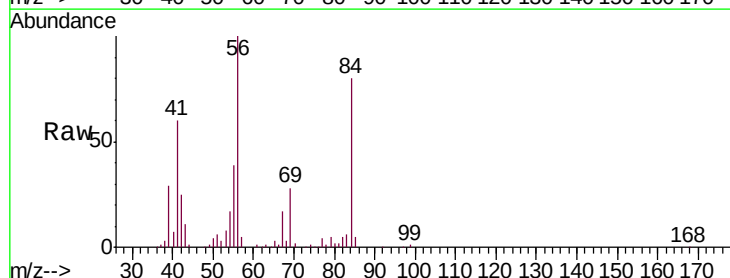
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

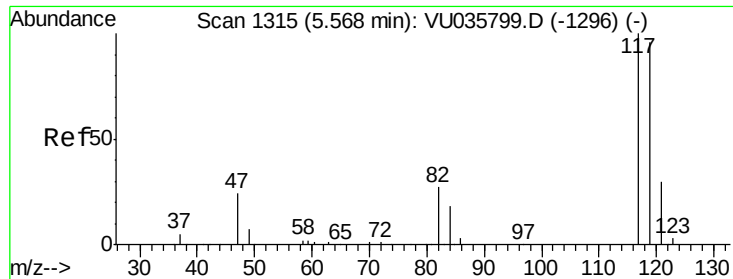
Tgt Ion: 97 Resp: 216896
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.9 77.9
 61 49.5 40.3 60.5



#30
 Cyclohexane
 Concen: 4.556 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion: 56 Resp: 200121
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.0 36.0
 84 80.2 62.1 93.1





#31

Carbon tetrachloride

Concen: 4.784 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

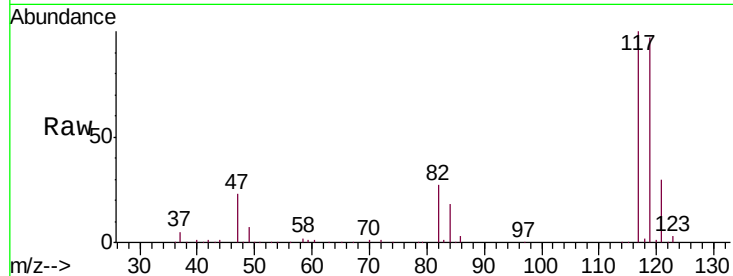
VSTD00508

Tgt Ion:117 Resp: 186220

Ion Ratio Lower Upper

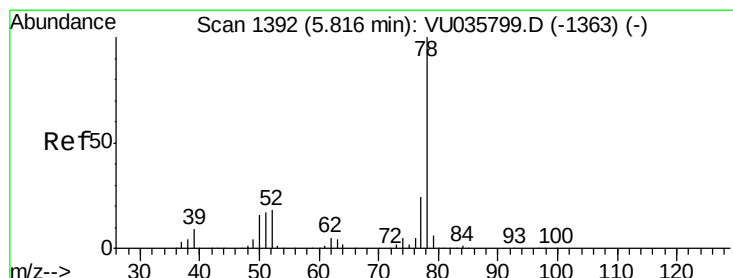
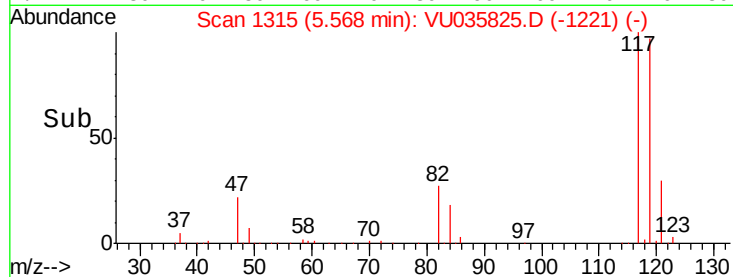
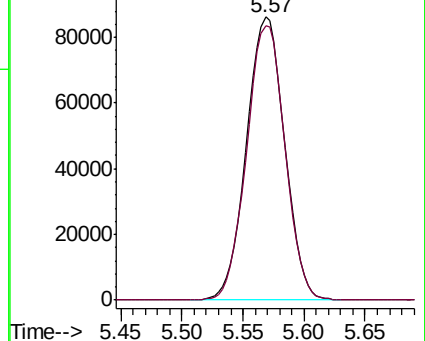
117 100

119 97.3 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: 4.942 ug/L

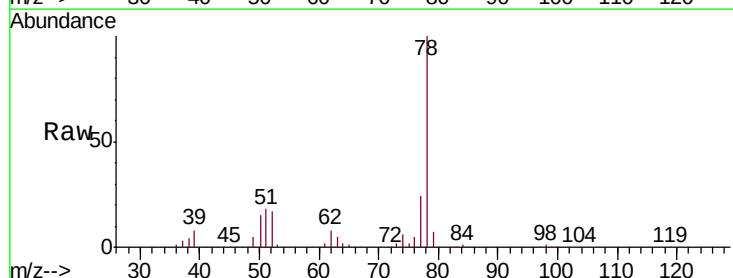
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

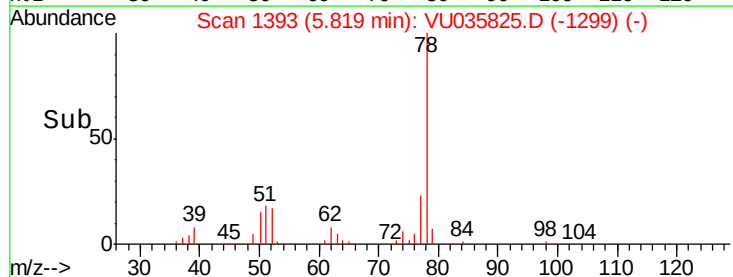
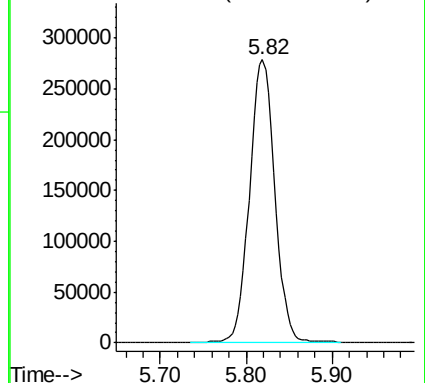
Lab File: VU035825.D

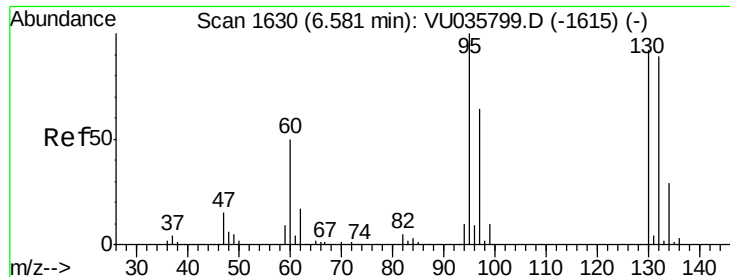
Acq: 25 Nov 2019 15:13

Tgt Ion: 78 Resp: 574222



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.693 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tgt Ion: 95 Resp: 133698

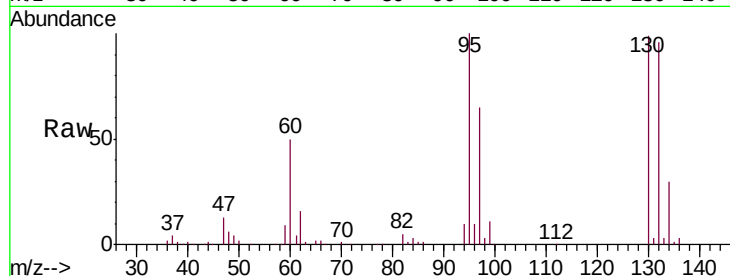
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 96.0 61.9 114.9

130 99.5 66.3 123.1

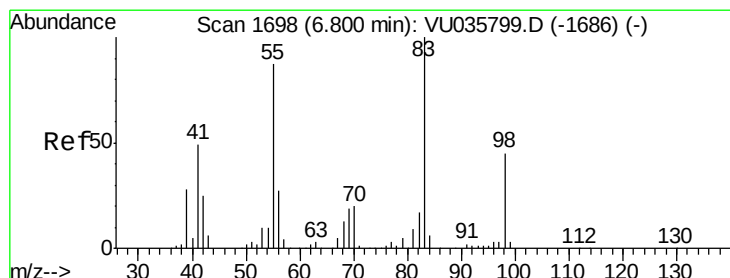
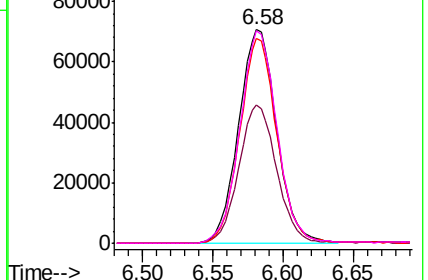
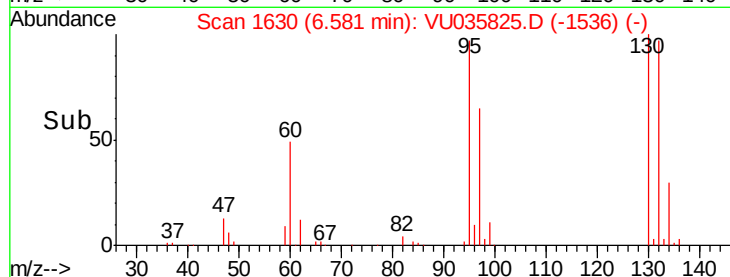


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.543 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

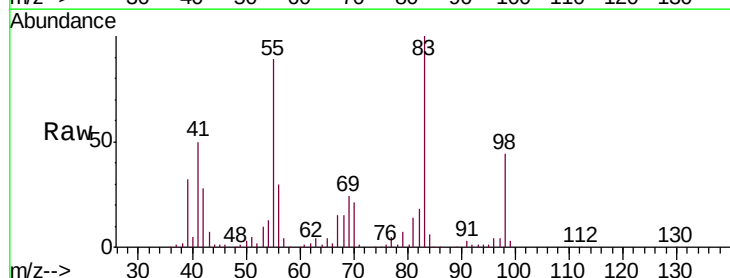
Tgt Ion: 83 Resp: 189964

Ion Ratio Lower Upper

83 100

55 88.7 72.7 109.1

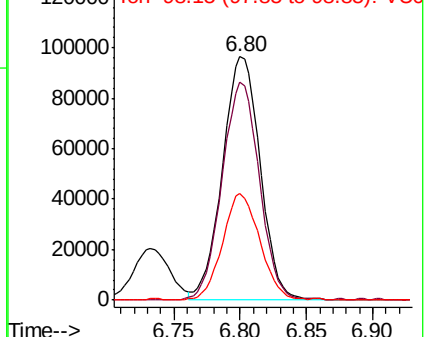
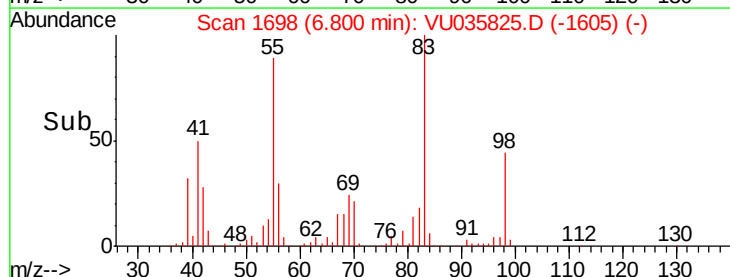
98 42.8 36.2 54.4

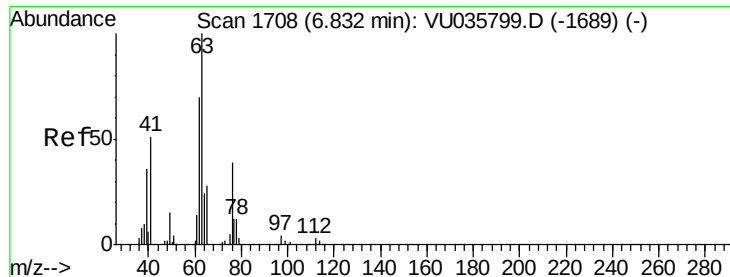


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

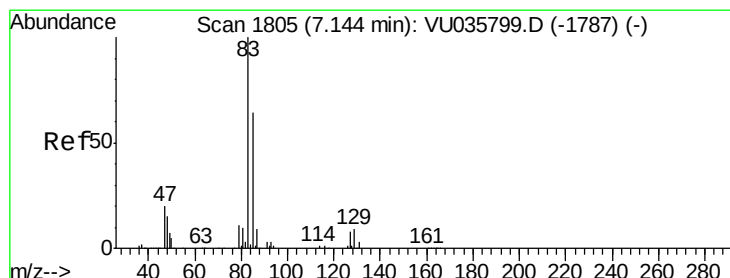
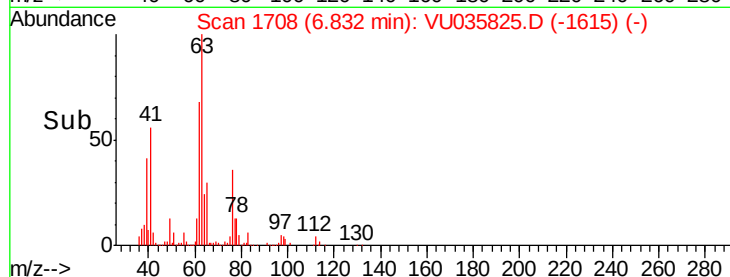
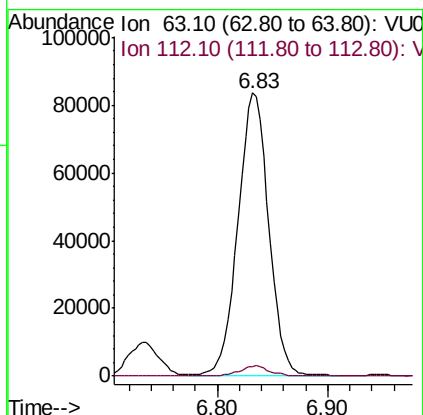
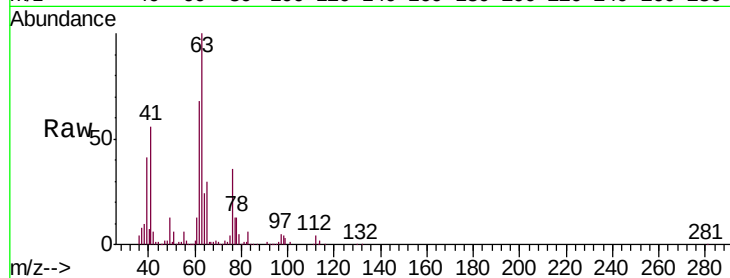




#37
 1,2-Dichloropropane
 Concen: 4.882 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

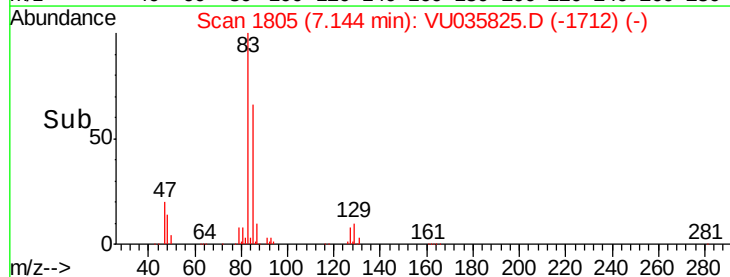
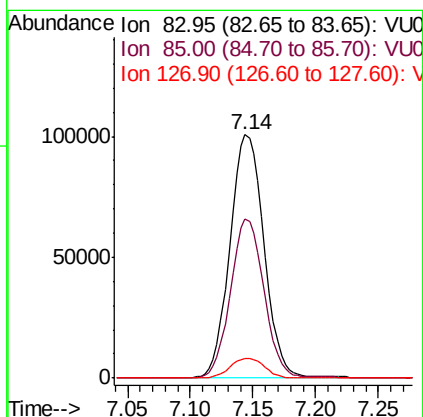
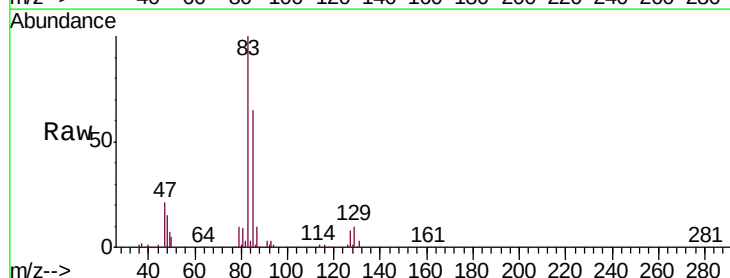
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

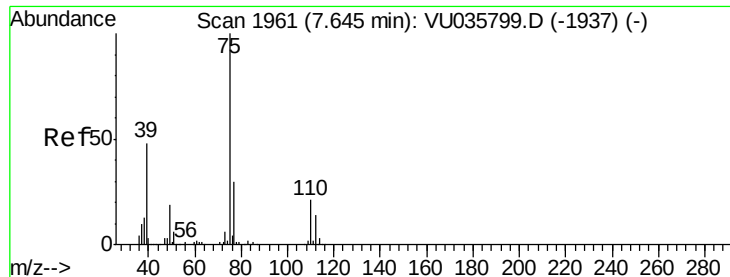
Tgt Ion: 63 Resp: 160888
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.819 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion: 83 Resp: 190349
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.6 84.8
 127 8.0 6.0 9.0



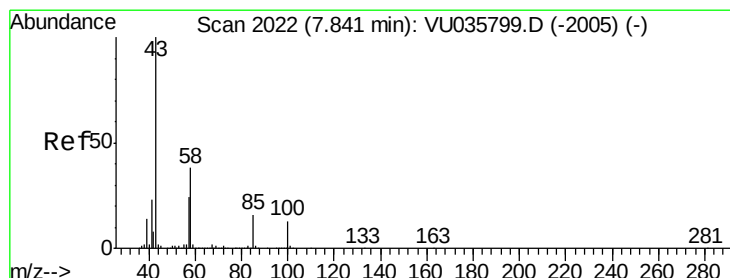
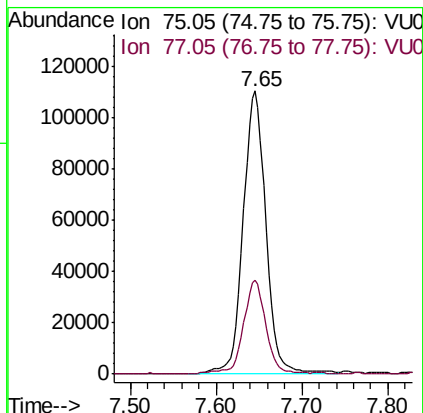
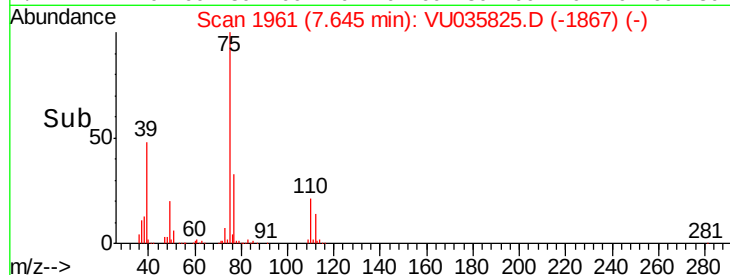
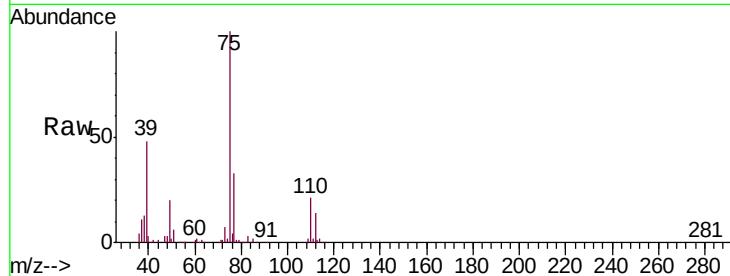


#39

cis-1,3-Dichloropropene
 Concen: 4.793 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

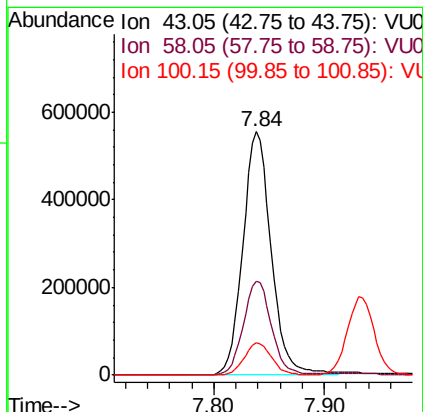
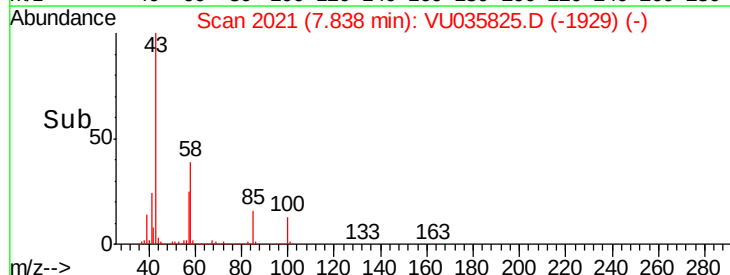
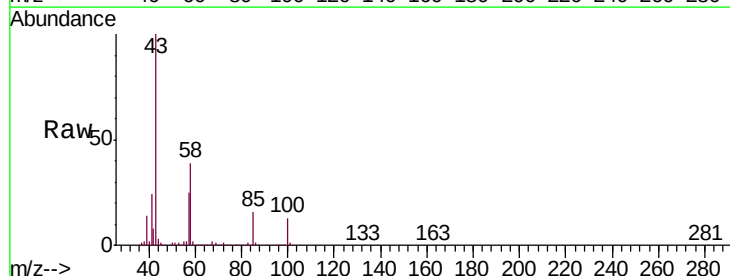
Tgt Ion: 75 Resp: 204482
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.1 41.1

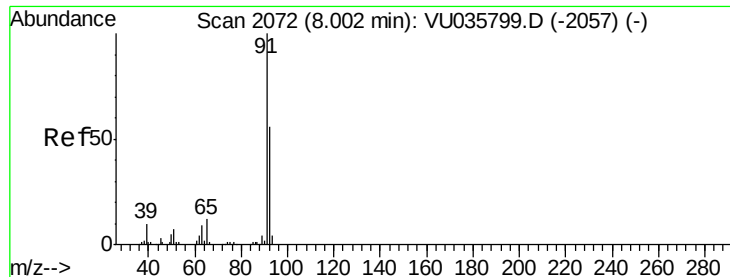


#40

4-Methyl-2-pentanone
 Concen: 48.712 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion: 43 Resp: 985602
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2
 100 12.9 10.0 15.0





#42

Toluene

Concen: 4.921 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

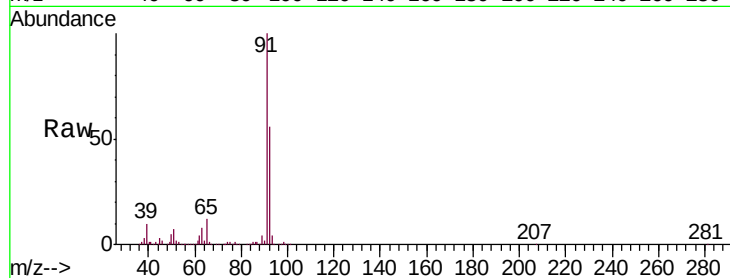
VSTD00508

Tgt Ion: 91 Resp: 594828

Ion Ratio Lower Upper

91 100

92 56.4 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035799.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035799.D (-2057) (-)

8.00

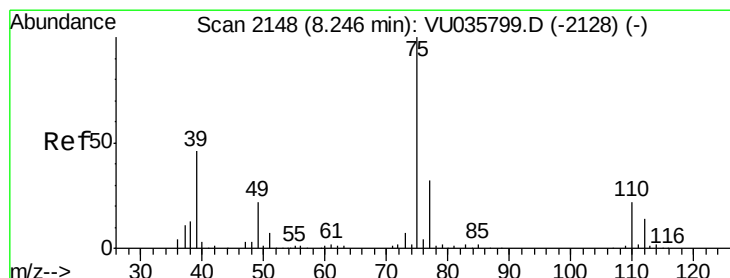
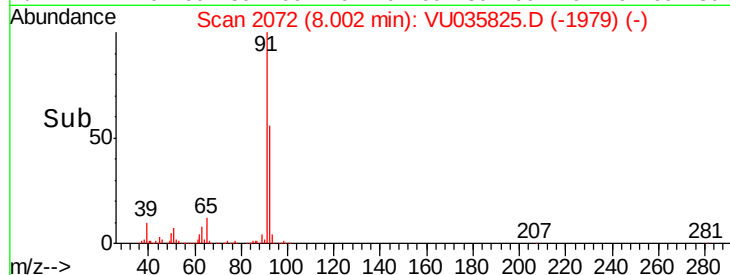
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.085 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035825.D

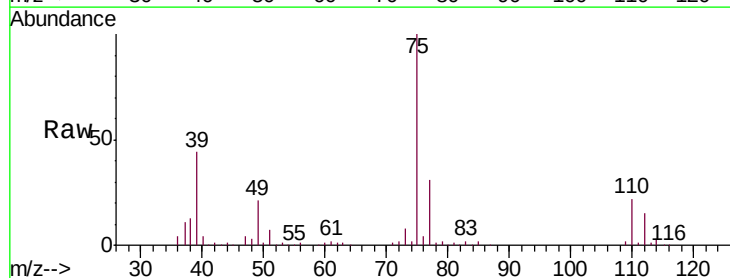
Acq: 25 Nov 2019 15:13

Tgt Ion: 75 Resp: 179890

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035799.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035799.D (-2128) (-)

8.25

100000

80000

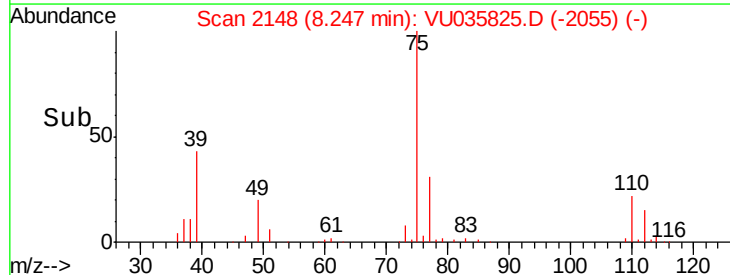
60000

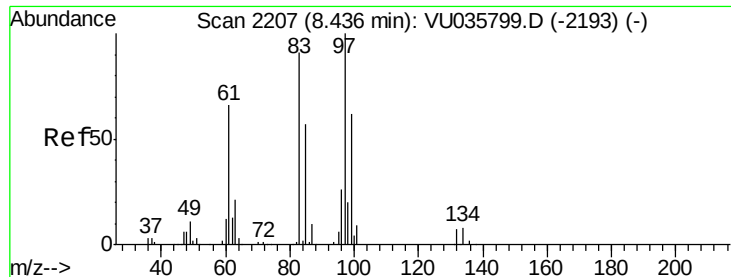
40000

20000

0

Time-->

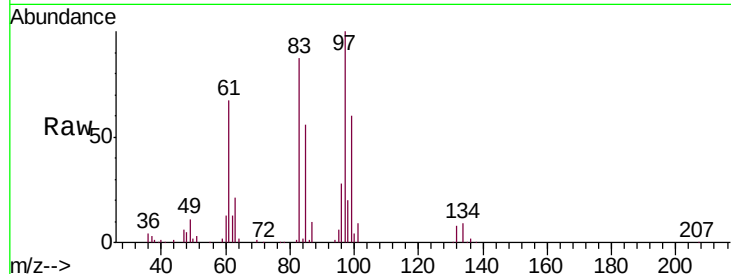




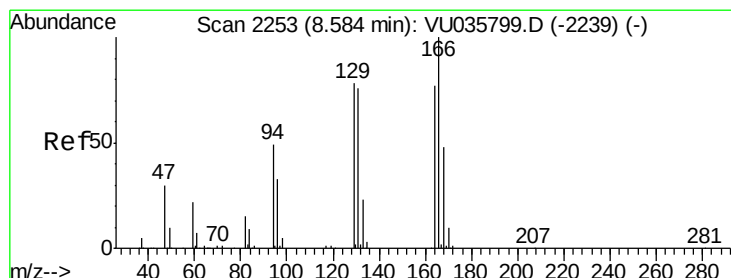
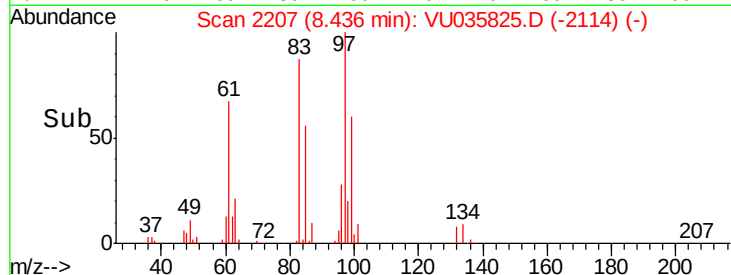
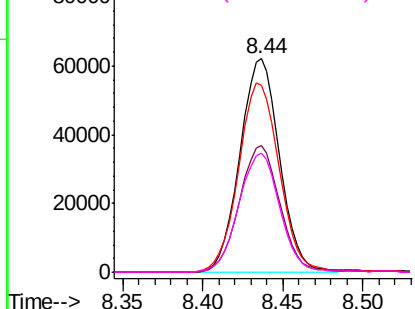
#45
 1,1,2-Trichloroethane
 Concen: 4.892 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion:	97	Resp:	105054
Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.2	82.0
83	87.5	62.2	115.6
85	55.9	41.5	77.1

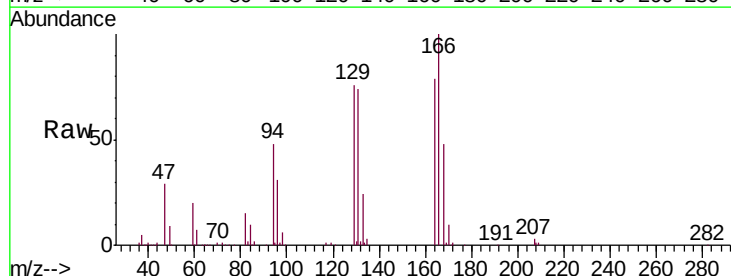


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

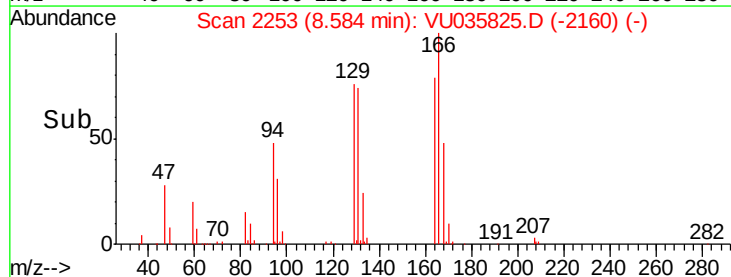
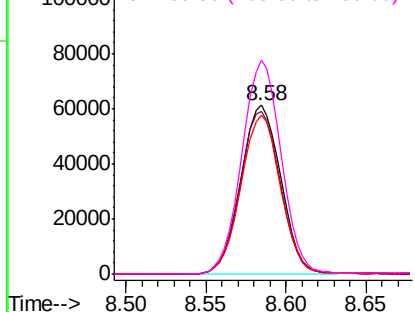


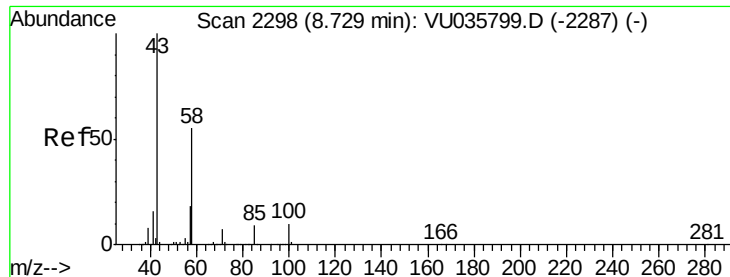
#47
 Tetrachloroethene
 Concen: 4.837 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion:	164	Resp:	104865
Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.8	127.8
131	94.3	67.3	124.9
166	126.7	91.6	170.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

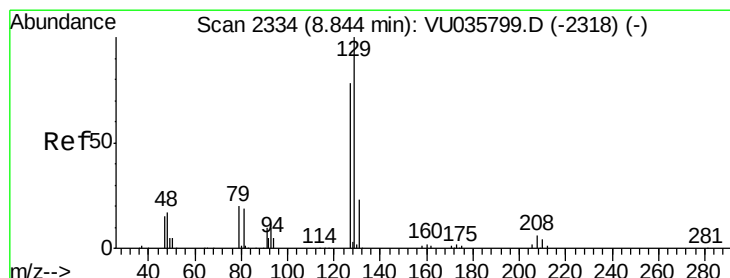
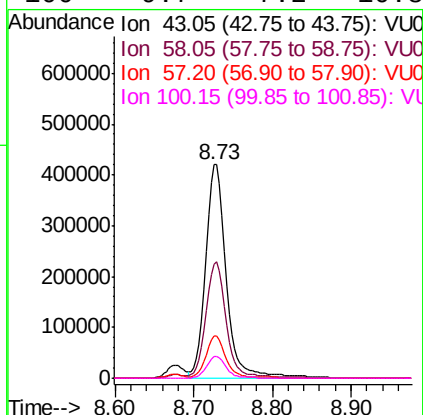
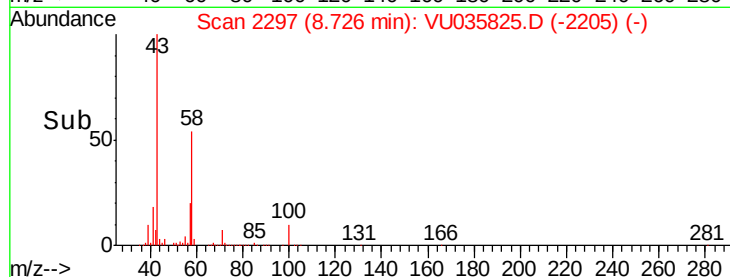
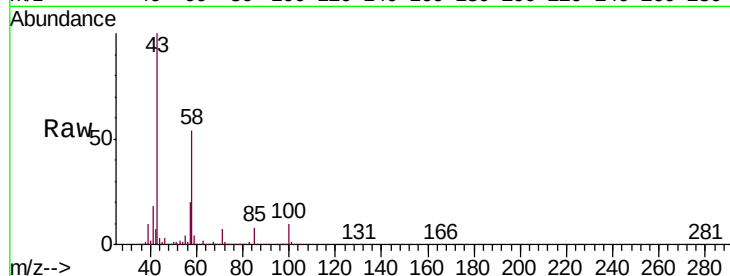




#48
2-Hexanone
Concen: 50.894 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

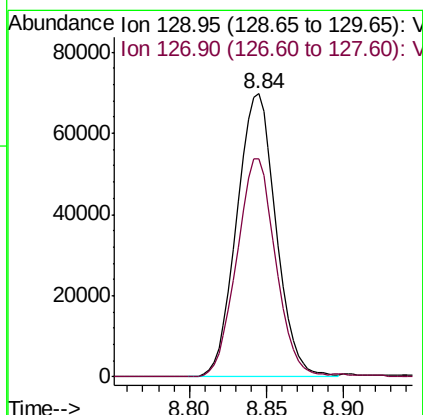
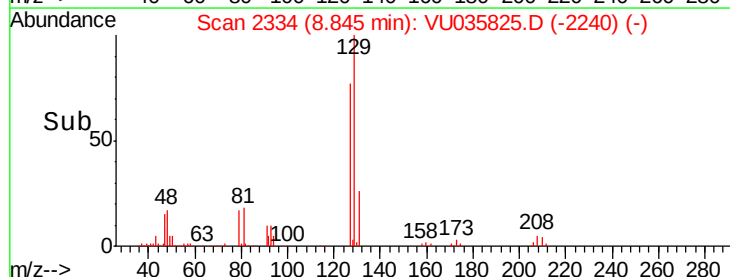
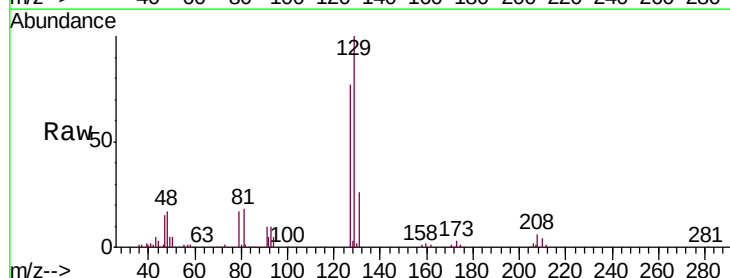
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

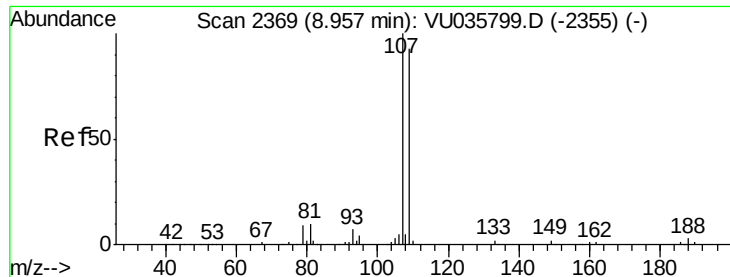
Tgt Ion: 43 Resp: 758122
Ion Ratio Lower Upper
43 100
58 54.6 39.8 59.8
57 19.7 14.0 21.0
100 9.7 7.2 10.8



#49
Dibromochloromethane
Concen: 4.860 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Tgt Ion: 129 Resp: 123135
Ion Ratio Lower Upper
129 100
127 77.2 53.1 98.5

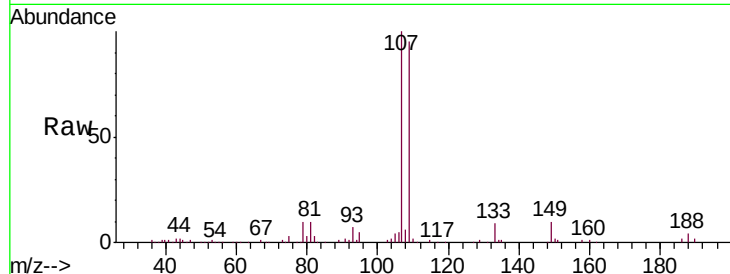




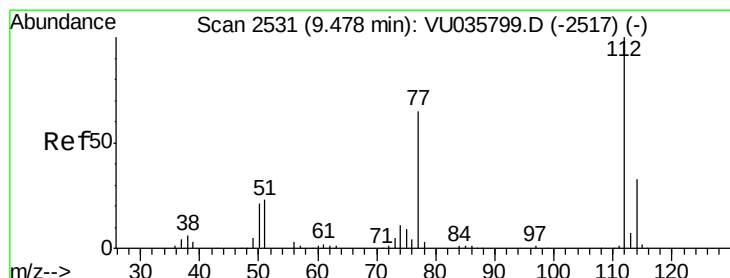
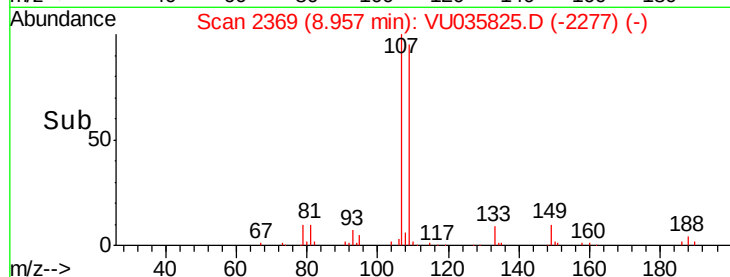
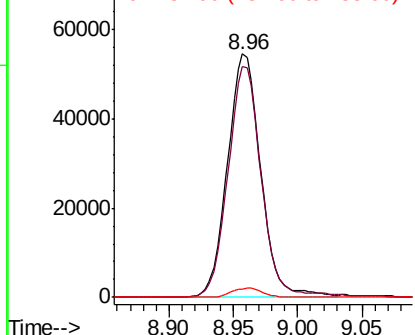
#50
1,2-Dibromoethane
Concen: 4.974 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tgt Ion:107 Resp: 97750
Ion Ratio Lower Upper
107 100
109 94.6 62.6 116.3
188 3.5 2.8 4.2

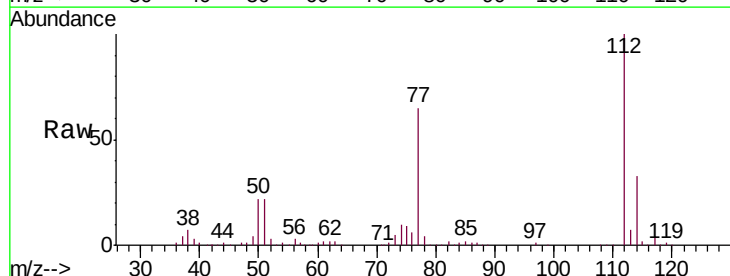


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

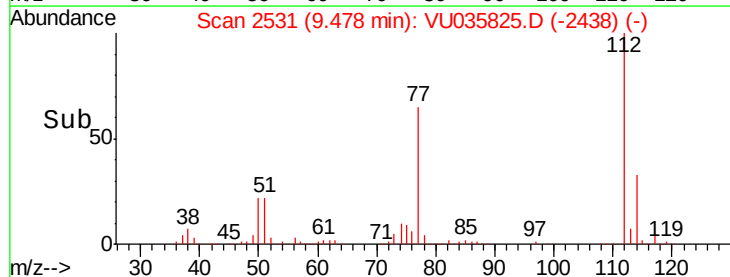
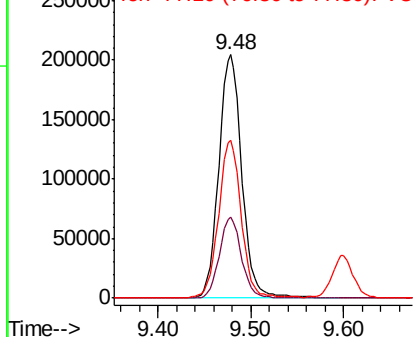


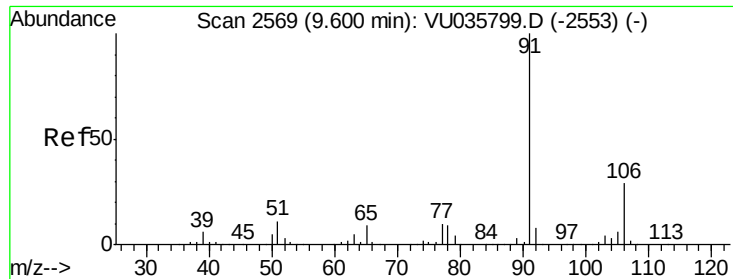
#51
Chlorobenzene
Concen: 4.691 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Tgt Ion:112 Resp: 351270
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 64.9 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU

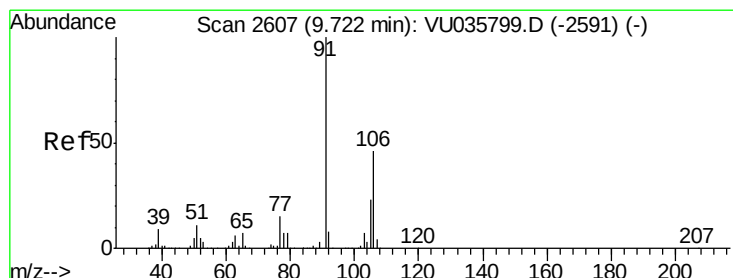
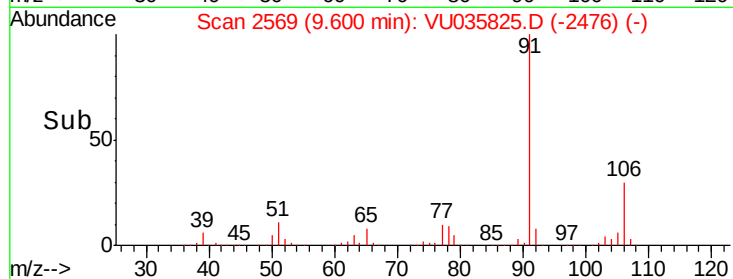
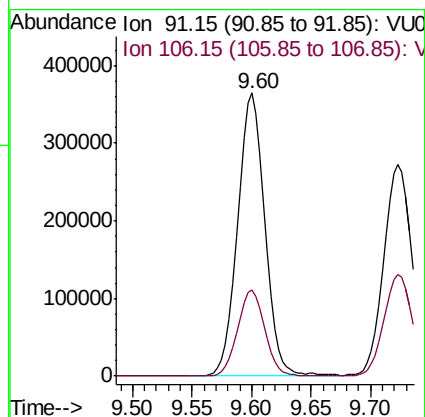
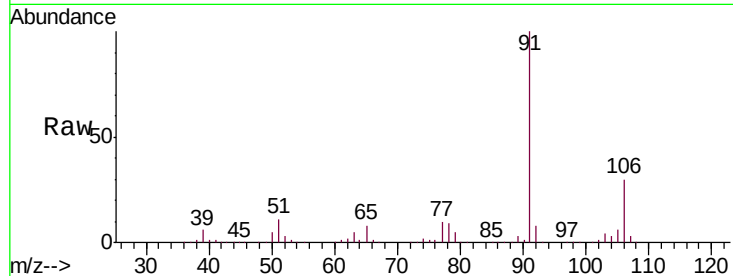




#52
Ethylbenzene
Concen: 4.631 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

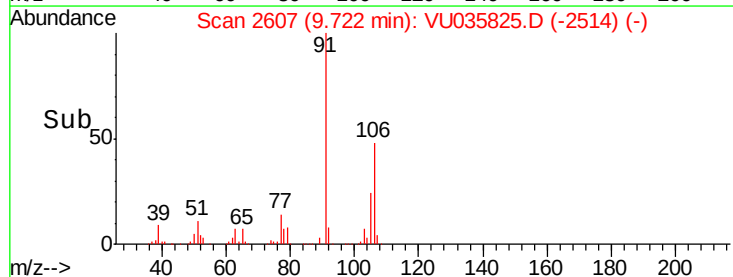
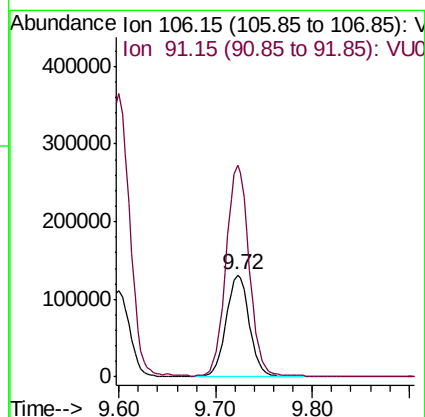
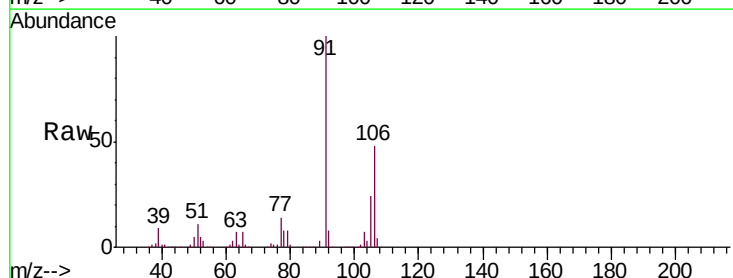
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

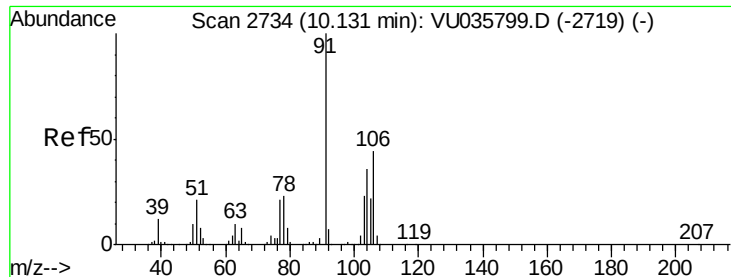
Tgt Ion: 91 Resp: 578798
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#53
m,p-Xylene
Concen: 4.996 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Tgt Ion: 106 Resp: 220160
Ion Ratio Lower Upper
106 100
91 208.2 149.9 278.5

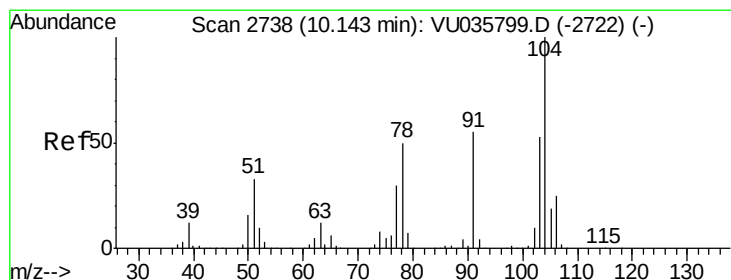
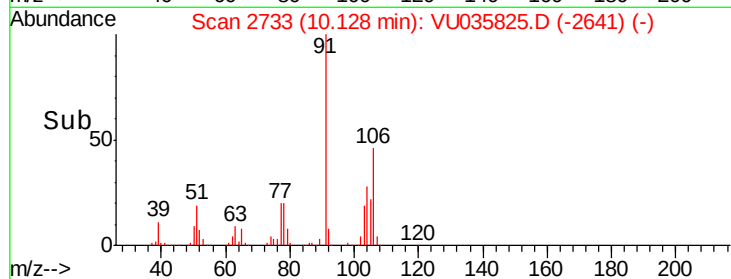
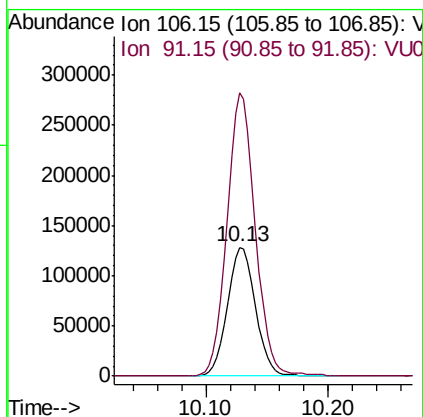
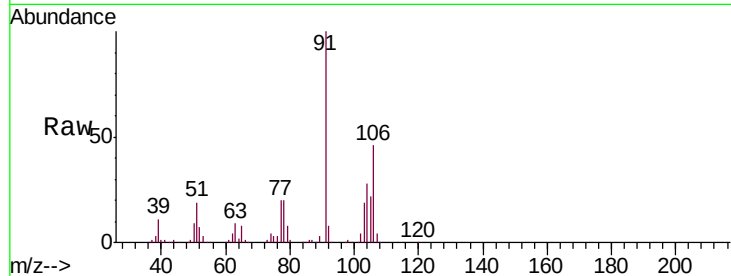




#54
o-Xylene
Concen: 4.854 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

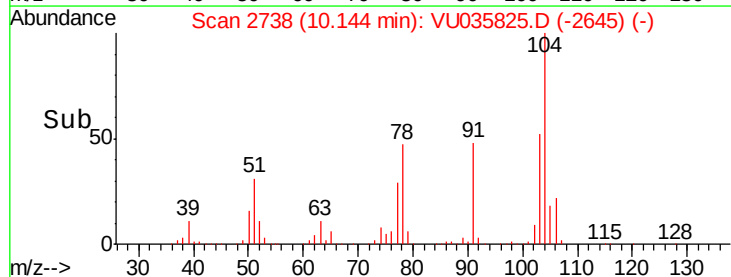
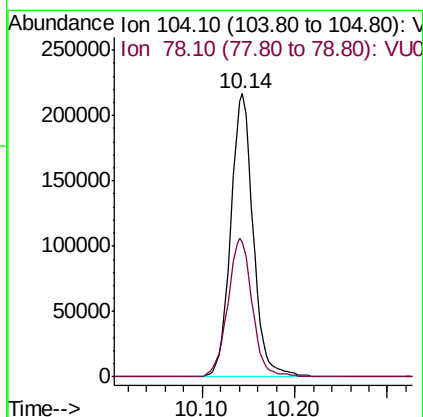
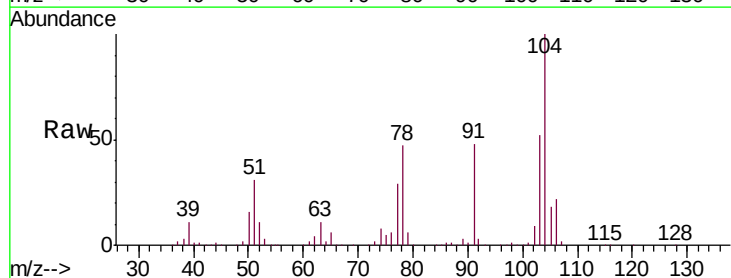
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

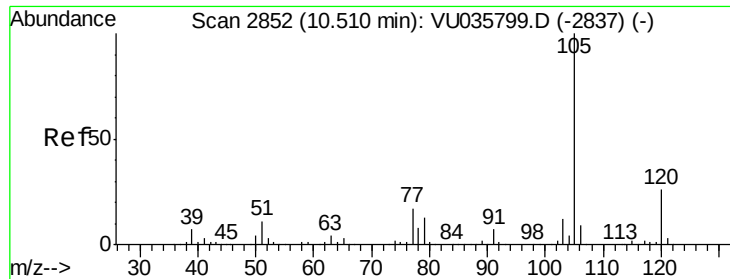
Tgt Ion:106 Resp: 207747
Ion Ratio Lower Upper
106 100
91 219.7 153.6 285.2



#55
Styrene
Concen: 5.129 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035825.D
Acq: 25 Nov 2019 15:13

Tgt Ion:104 Resp: 364073
Ion Ratio Lower Upper
104 100
78 47.4 33.9 62.9





#56

Isopropylbenzene

Concen: 4.843 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

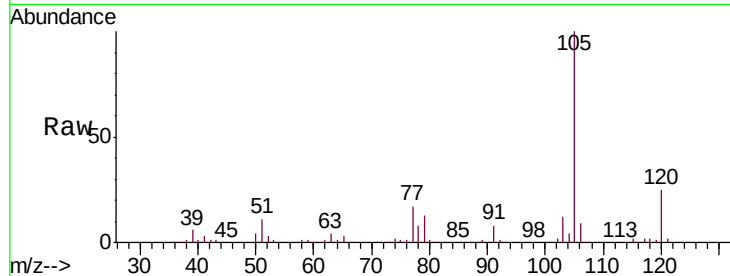
Tgt Ion: 105 Resp: 547489

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

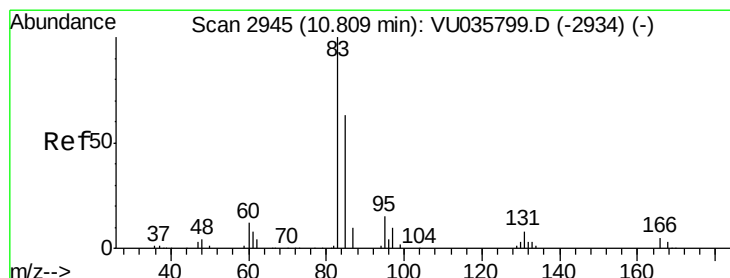
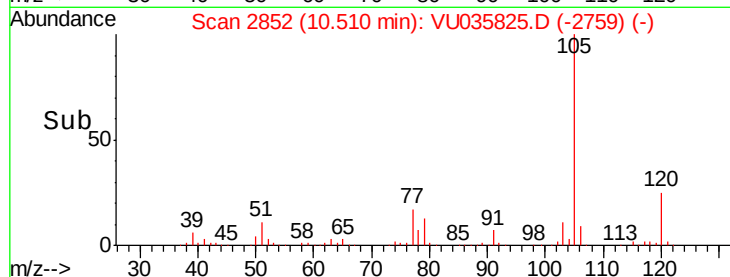
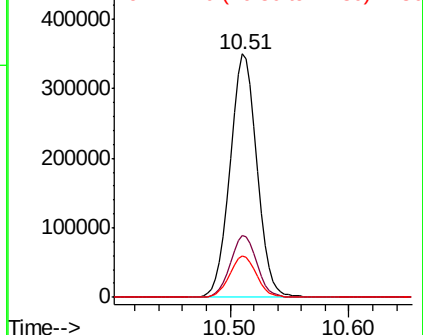
77 17.0 13.7 20.5



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: 4.866 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

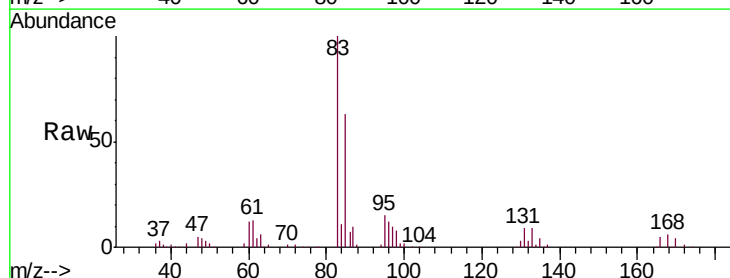
Tgt Ion: 83 Resp: 144592

Ion Ratio Lower Upper

83 100

85 63.0 44.6 82.8

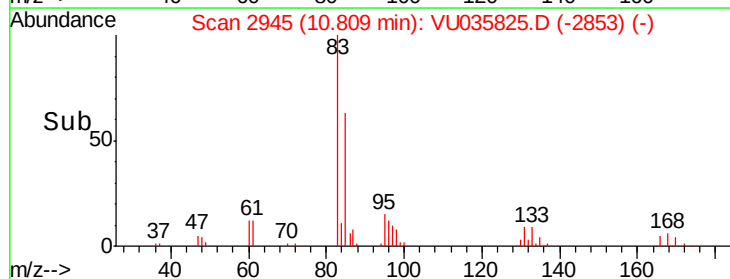
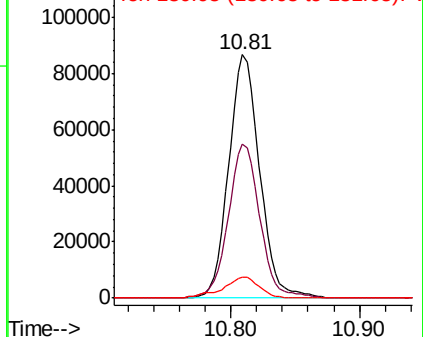
131 8.6 6.9 10.3

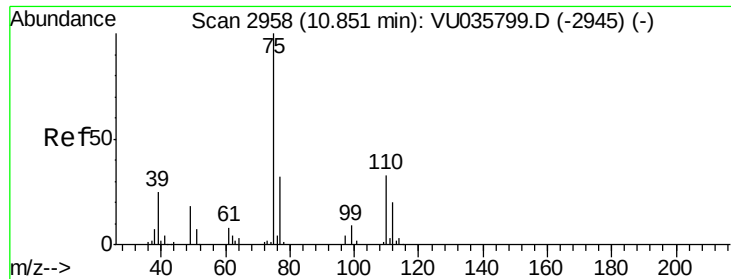


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.795 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

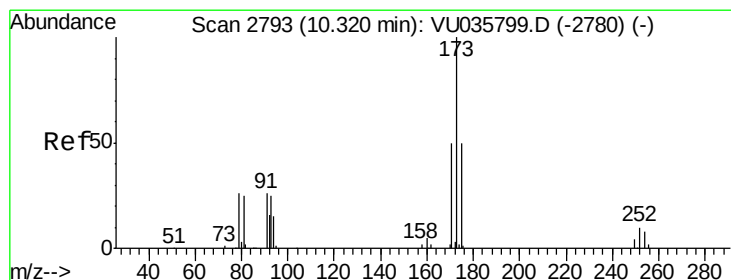
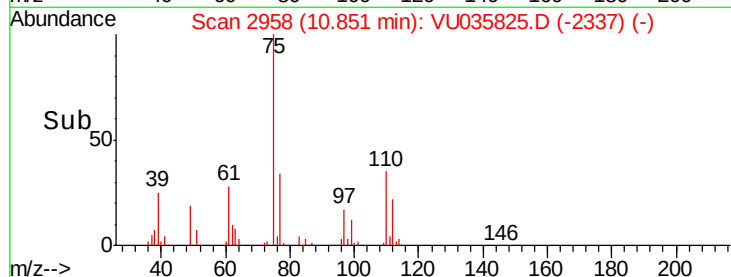
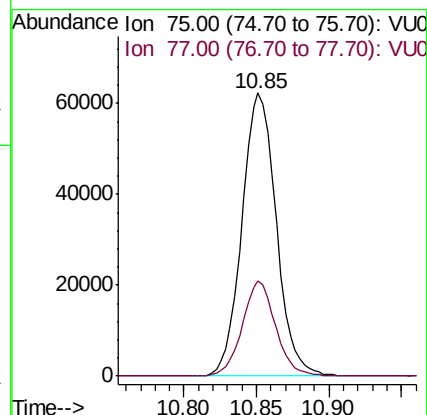
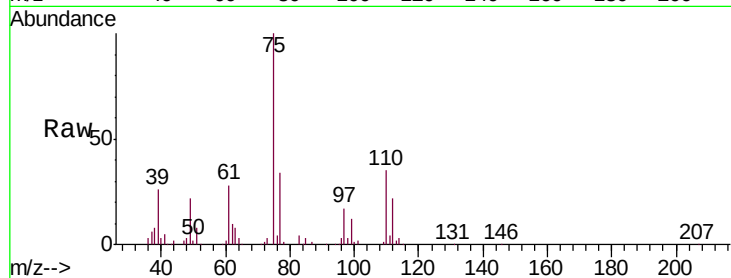
VSTD00508

Tgt Ion: 75 Resp: 102733

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2



#61

Bromoform

Concen: 4.320 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

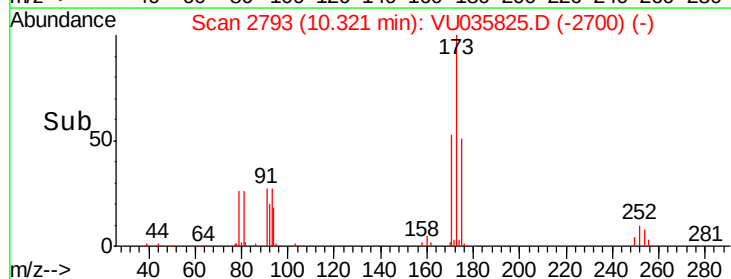
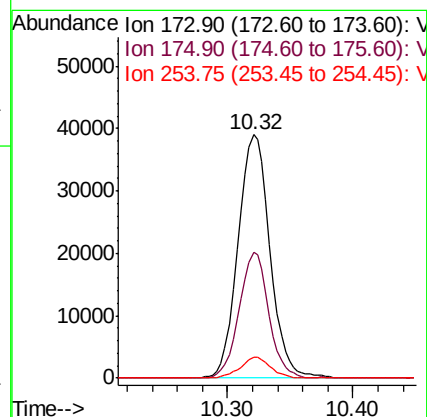
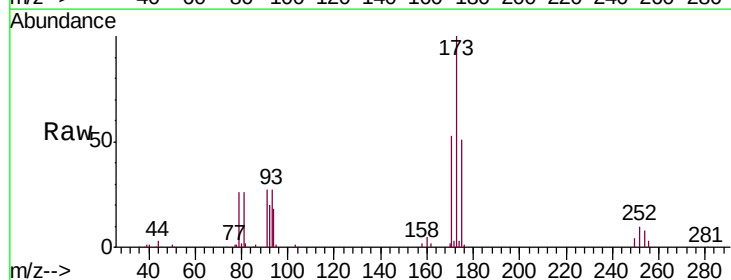
Tgt Ion: 173 Resp: 69050

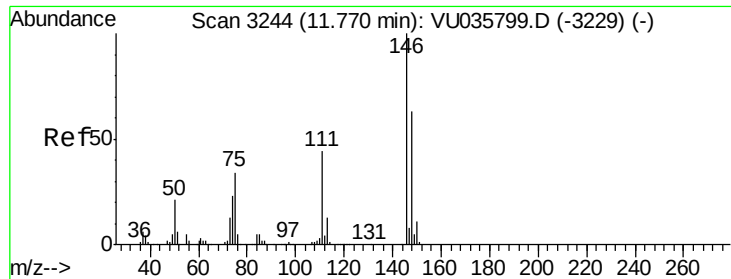
Ion Ratio Lower Upper

173 100

175 47.7 40.1 60.1

254 7.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.748 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

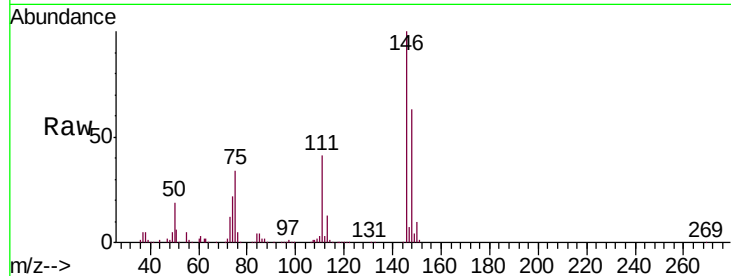
Tgt Ion:146 Resp: 271125

Ion Ratio Lower Upper

146 100

111 41.2 29.5 54.7

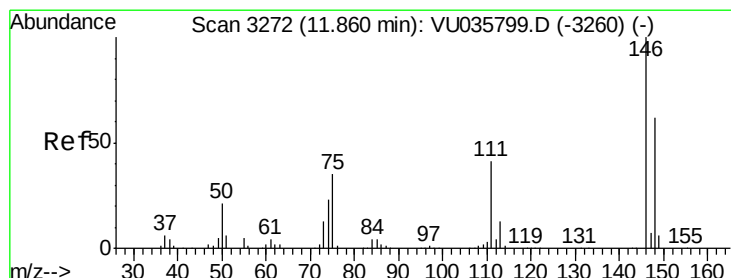
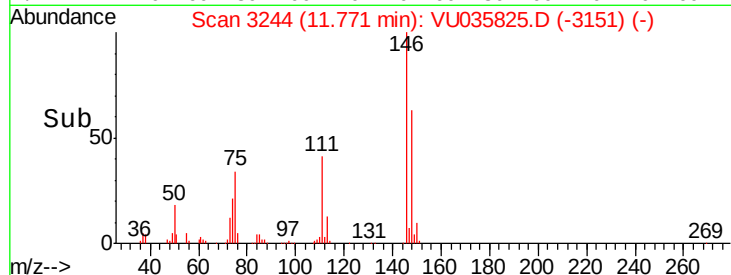
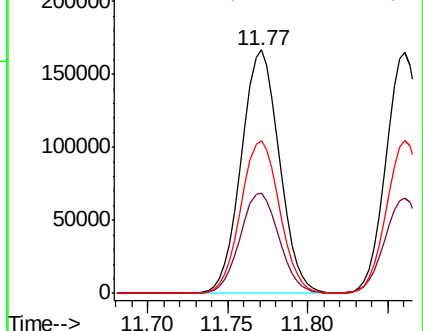
148 62.6 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 4.807 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

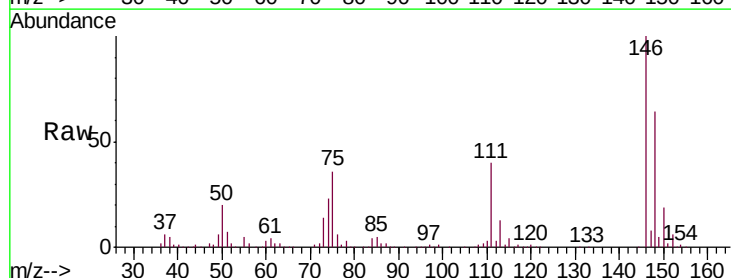
Tgt Ion:146 Resp: 270198

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.7

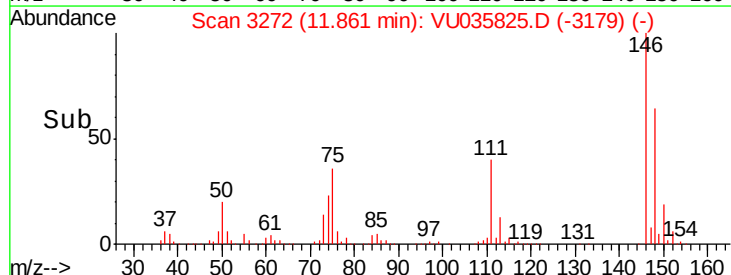
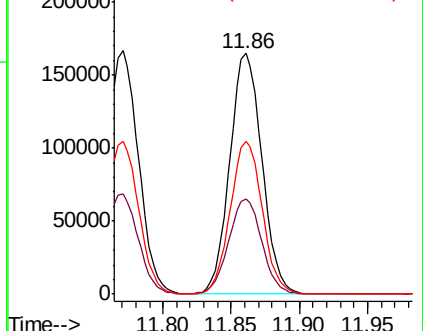
148 63.5 44.2 82.2

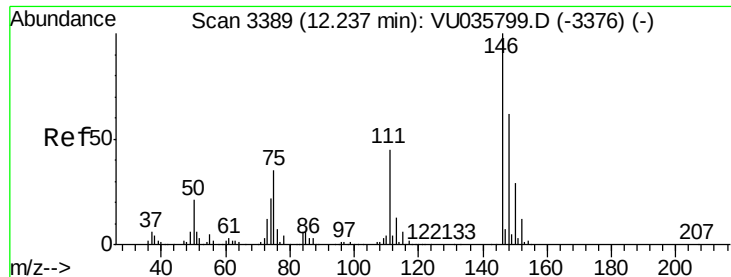


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.713 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

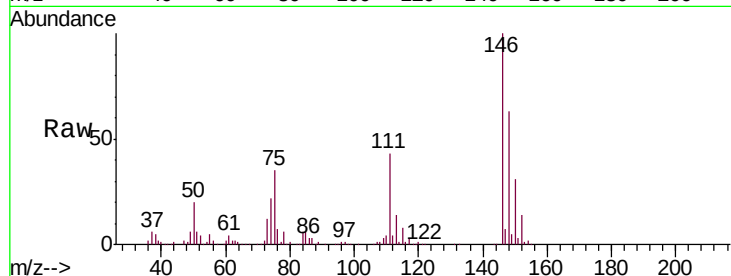
Tgt Ion:146 Resp: 256758

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.0

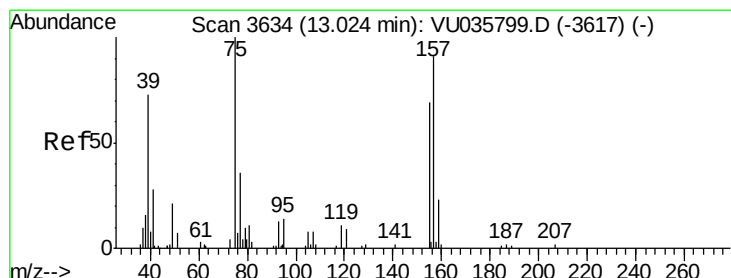
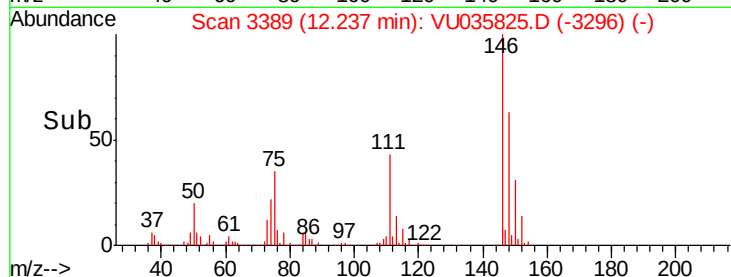
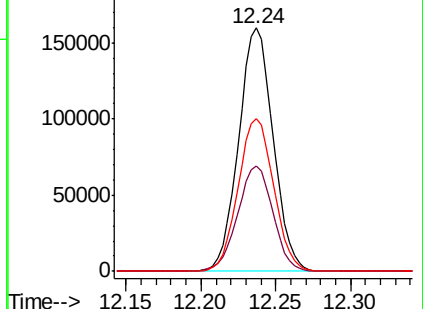
148 62.9 50.8 76.2



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: 4.553 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

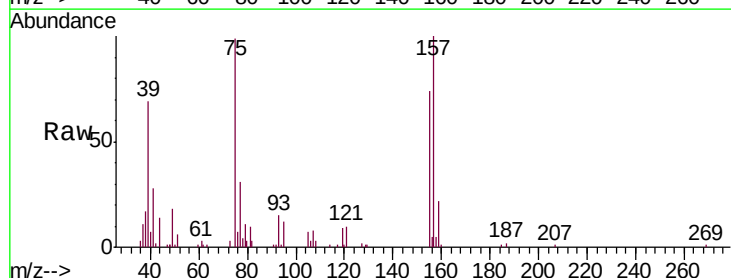
Tgt Ion: 75 Resp: 20523

Ion Ratio Lower Upper

75 100

155 74.6 55.4 83.2

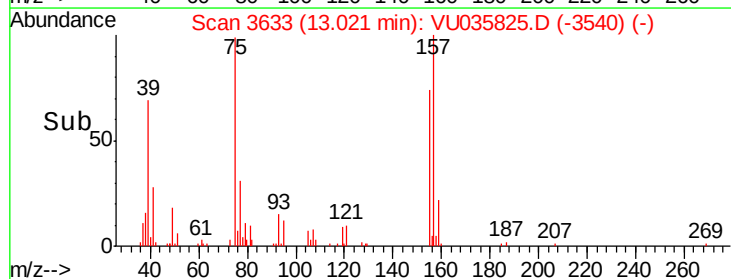
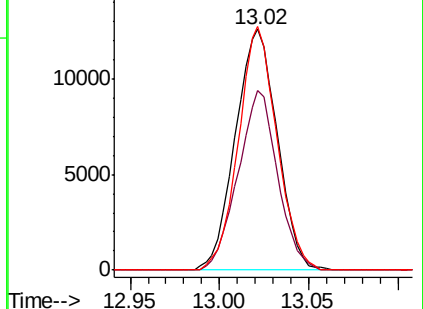
157 101.0 69.4 104.2

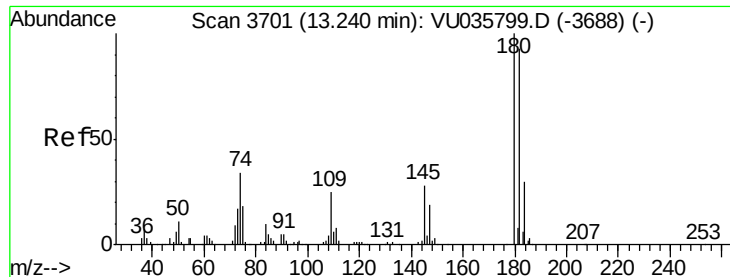


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

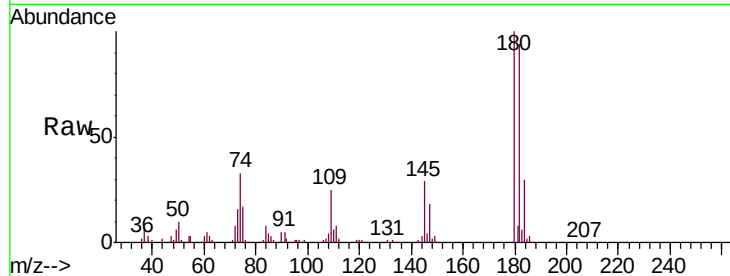




#67
 1,3,5-Trichlorobenzene
 Concen: 5.575 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion:	180	Resp:	191285
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.6	113.4
184	29.8	24.1	36.1
145	28.9	23.7	35.5



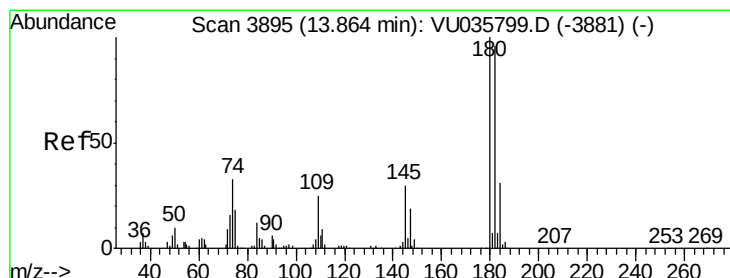
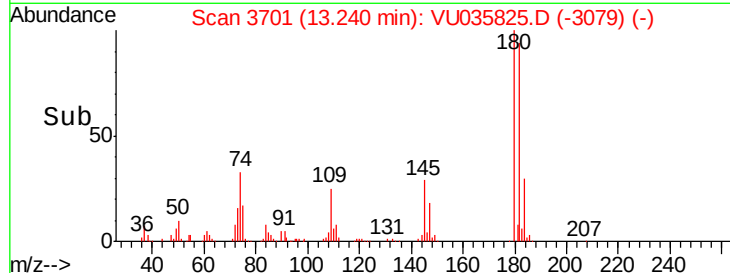
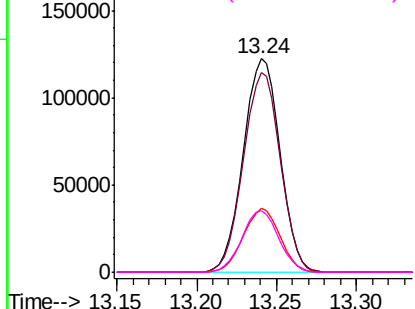
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

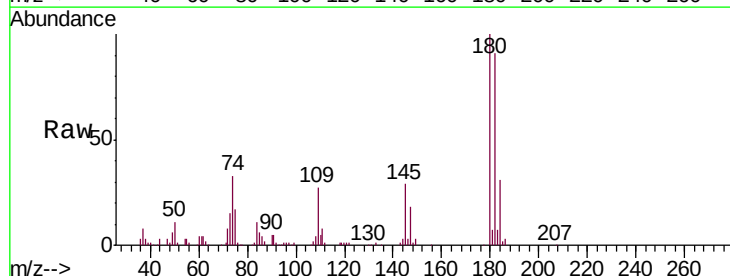
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.827 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035825.D
 Acq: 25 Nov 2019 15:13

Tgt Ion:	180	Resp:	114900
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
145	29.3	24.0	36.0

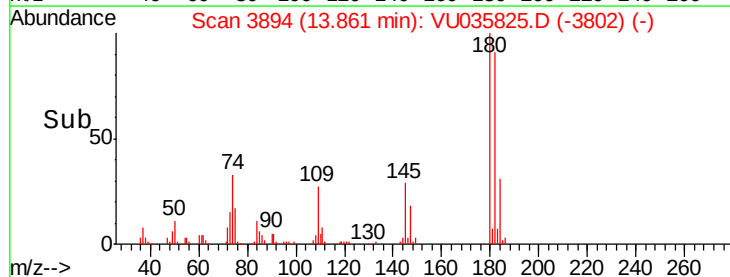
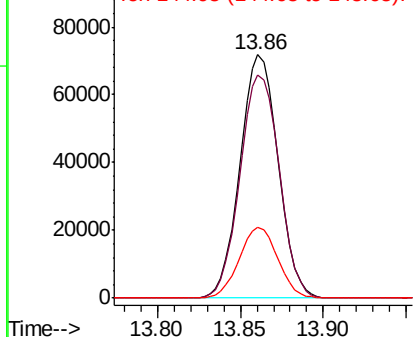


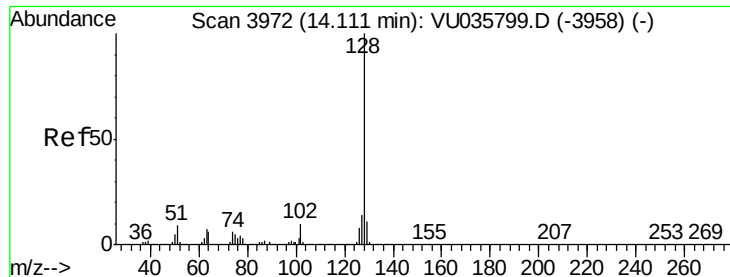
Abundance

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: 4.391 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

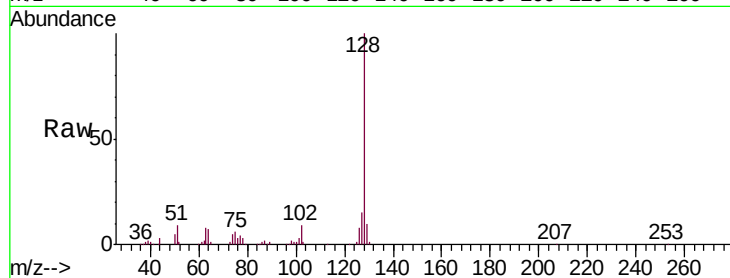
Tgt Ion:128 Resp: 121932

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

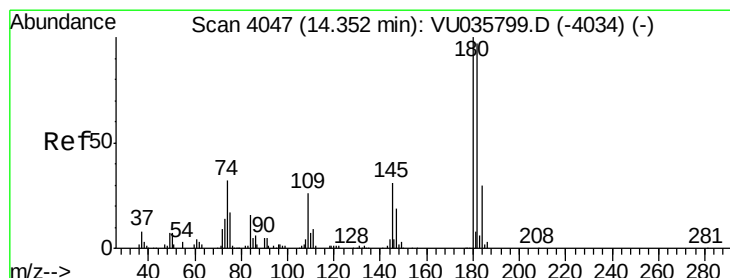
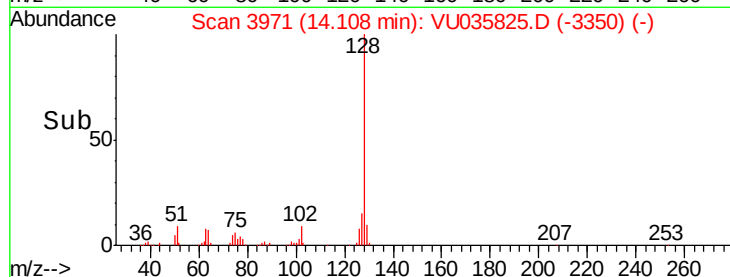
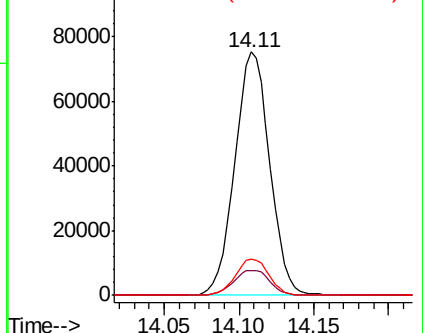
127 14.3 11.8 17.6



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



#70

1,2,3-Trichlorobenzene

Concen: 5.756 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035825.D

Acq: 25 Nov 2019 15:13

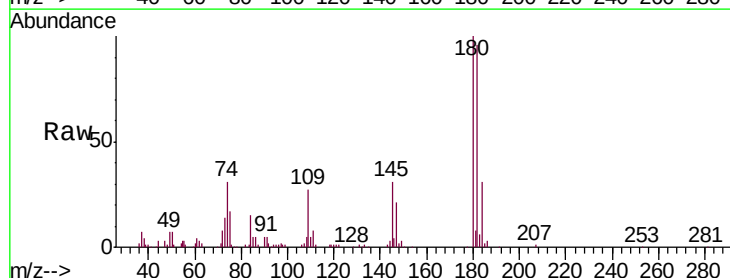
Tgt Ion:180 Resp: 110392

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.0

145 31.4 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

