

Data File : VU035799.D
Acq On : 21 Nov 2019 12:56
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Nov 22 01:16:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 01:10:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276650	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	152157	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	165569	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	140242	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.59	63	308726	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.70	46	395010	51.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.94%
24) Chloroform-d	5.11	84	282813	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	155841	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.77	84	551400	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.73	67	182525	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.93	98	521134	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.21	79	76610	5.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.60%
46) 2-Hexanone-d5	8.68	63	306373	55.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.16%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	153022	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	164762	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	176238	5.124 ug/L	100
3) Chloromethane	1.54	50	212919	5.028 ug/L	99
5) Vinyl chloride	1.62	62	214829	5.068 ug/L	98
6) Bromomethane	1.87	94	107802	4.948 ug/L	98
8) Chloroethane	1.95	64	124820	5.090 ug/L	97
9) Trichlorofluoromethane	2.16	101	252728	5.135 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141312	5.054 ug/L	98
12) 1,1-Dichloroethene	2.61	96	129952	4.920 ug/L	95
13) Acetone	2.67	43	312588	46.380 ug/L	99
14) Carbon disulfide	2.82	76	439370	5.008 ug/L	100
15) Methyl Acetate	3.00	43	67443	4.991 ug/L	98
16) Methylene chloride	3.08	84	158513	4.968 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	334386	5.232 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	134635	5.177 ug/L	99
19) 1,1-Dichloroethane	3.92	63	296663	5.077 ug/L	98
21) 2-Butanone	4.78	43	433823	50.867 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	148683	5.130 ug/L	93

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Nov 22 01:16:50 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 01:10:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	64837	5.135	ug/L	93
25) Chloroform	5.14	83	287538	5.057	ug/L	100
27) 1,2-Dichloroethane	5.84	62	187082	5.003	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	235962	5.282	ug/L	98
30) Cyclohexane	5.43	56	236387	5.415	ug/L	99
31) Carbon tetrachloride	5.57	117	199628	5.160	ug/L	100
33) Benzene	5.82	78	617059	5.343	ug/L	100
34) Trichloroethene	6.58	95	151641	5.356	ug/L	98
35) Methylcyclohexane	6.80	83	223738	5.385	ug/L	97
37) 1,2-Dichloropropane	6.83	63	174396	5.325	ug/L	100
38) Bromodichloromethane	7.14	83	203118	5.174	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	230950	5.447	ug/L	97
40) 4-Methyl-2-pentanone	7.84	43	1079321	53.677	ug/L	99
42) Toluene	8.00	91	656423	5.464	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	189391	5.387	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	113583	5.322	ug/L	98
47) Tetrachloroethene	8.58	164	112037	5.200	ug/L	98
48) 2-Hexanone	8.73	43	780452	52.719	ug/L	96
49) Dibromochloromethane	8.84	129	129545	5.145	ug/L	97
50) 1,2-Dibromoethane	8.96	107	104754	5.364	ug/L	97
51) Chlorobenzene	9.48	112	380828	5.118	ug/L	97
52) Ethylbenzene	9.60	91	663008	5.338	ug/L	98
53) m,p-Xylene	9.72	106	238806	5.453	ug/L	97
54) o-Xylene	10.13	106	234267	5.508	ug/L	95
55) Styrene	10.14	104	402412	5.704	ug/L	98
56) Isopropylbenzene	10.51	105	625535	5.567	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	149025	5.046	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	105760	4.967	ug/L	100
61) Bromoform	10.32	173	72973	4.773	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	289644	5.304	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	280699	5.221	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	273808	5.255	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	20507	4.756	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	183727	5.599	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	106481	5.646	ug/L	98
69) Naphthalene	14.11	128	139766	5.263	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	106454	5.804	ug/L	99

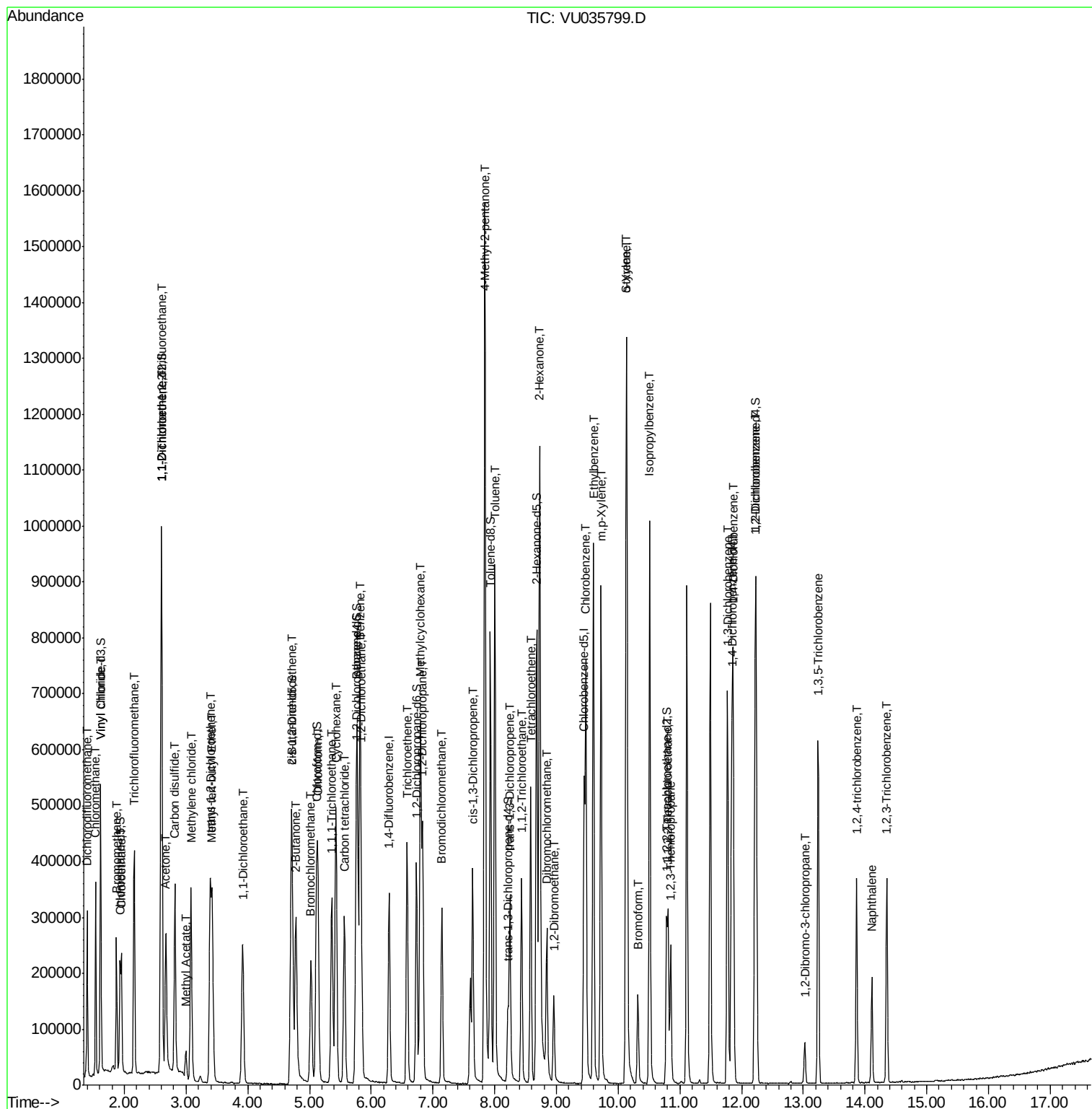
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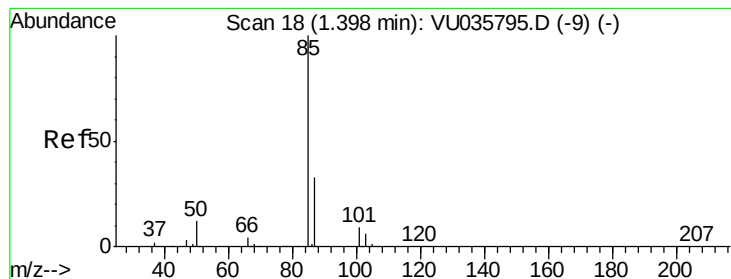
Data File : VU035799.D

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Acq On       : 21 Nov 2019   12:56
Operator    : JC/SP
Sample      : VSTDCCC005
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 9      Sample Multiplier: 1
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Instrument :
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ClientSampleId :
VSTD00527

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#2

Dichlorodifluoromethane

Concen: 5.124 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

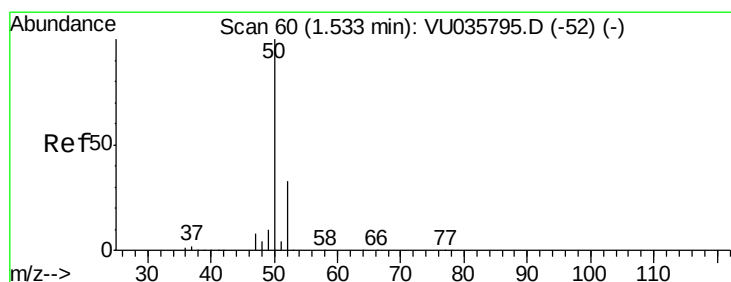
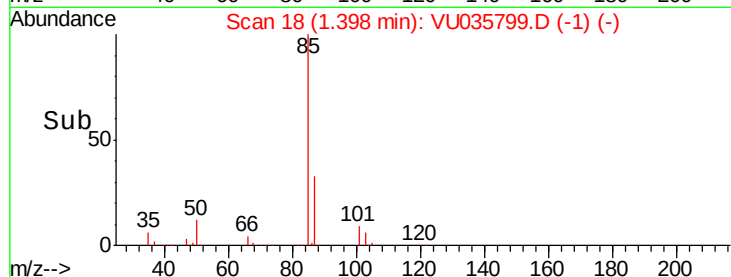
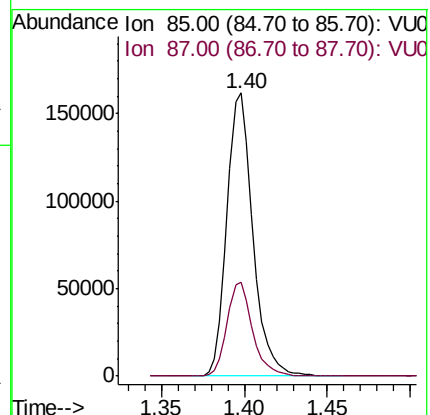
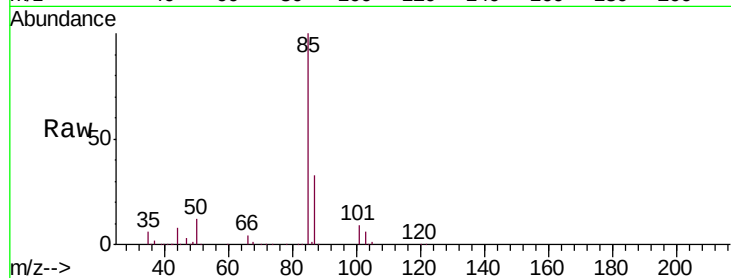
VSTD00527

Tgt Ion: 85 Resp: 176238

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.2



#3

Chloromethane

Concen: 5.028 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035799.D

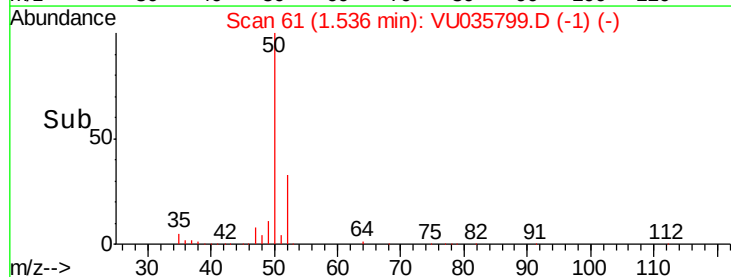
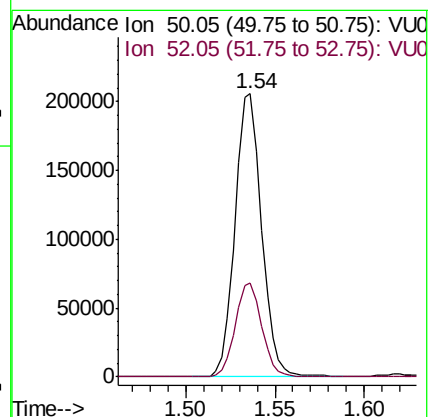
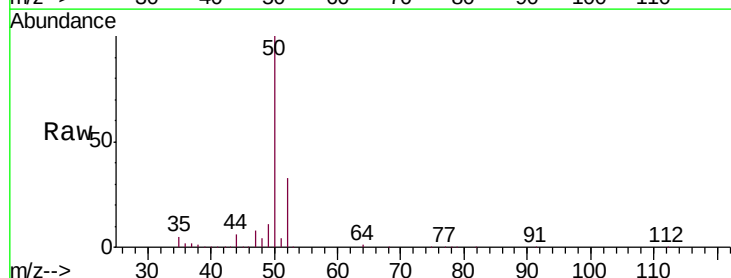
Acq: 21 Nov 2019 12:56

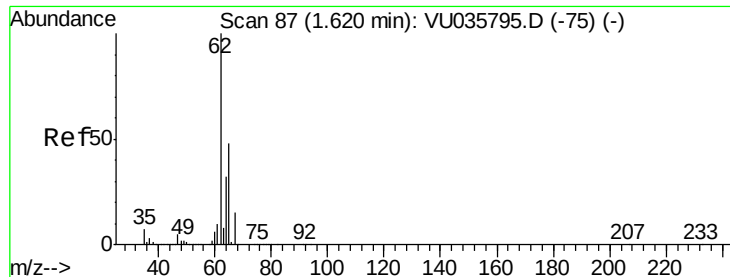
Tgt Ion: 50 Resp: 212919

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.3





#5

Vinyl chloride

Concen: 5.068 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

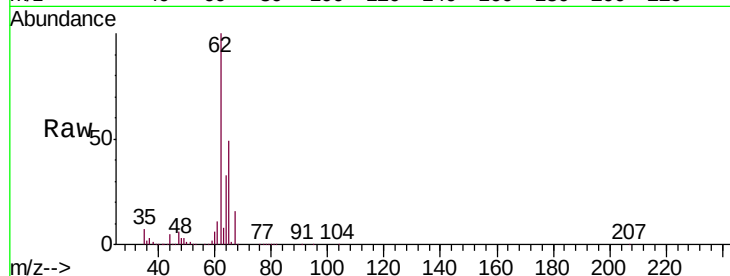
VSTD00527

Tgt Ion: 62 Resp: 214829

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU035799.D (-75) (-)

1.62

200000

150000

100000

50000

0

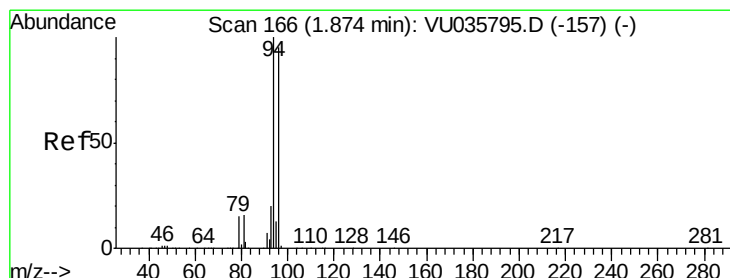
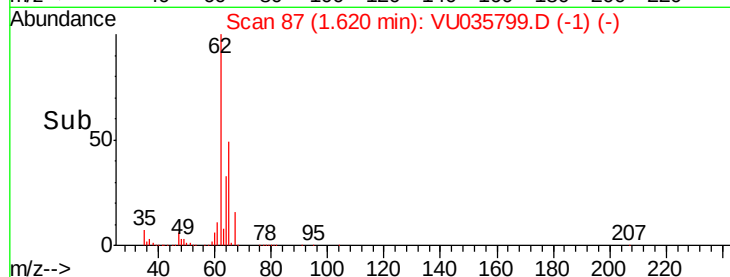
Time-->

1.55

1.60

1.65

1.70



#6

Bromomethane

Concen: 4.948 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035799.D

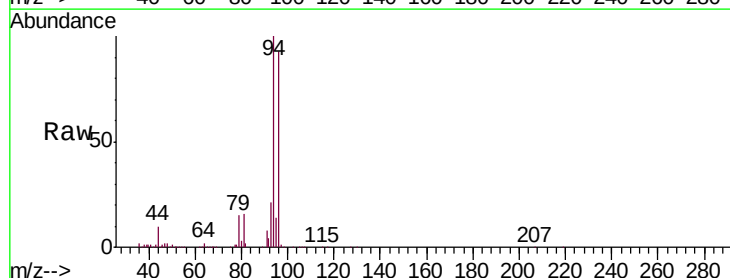
Acq: 21 Nov 2019 12:56

Tgt Ion: 94 Resp: 107802

Ion Ratio Lower Upper

94 100

96 93.4 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

40000

20000

0

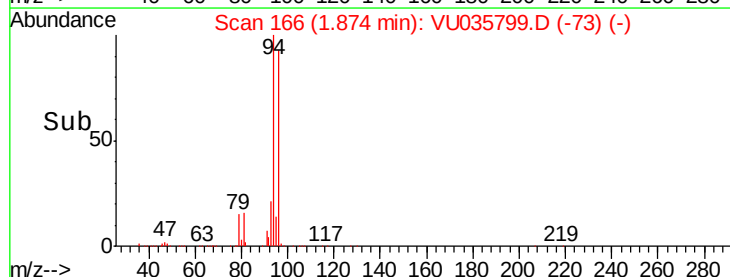
Time-->

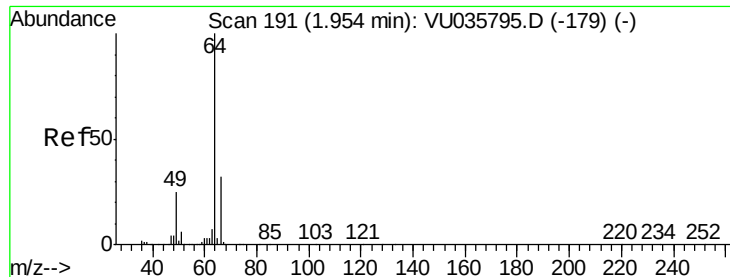
1.80

1.85

1.90

1.95





#8

Chloroethane

Concen: 5.090 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

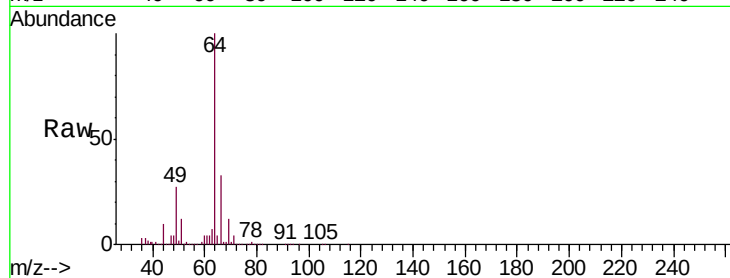
VSTD00527

Tgt Ion: 64 Resp: 124820

Ion Ratio Lower Upper

64 100

66 33.3 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035799.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU035799.D (-179) (-)

1.95

100000

80000

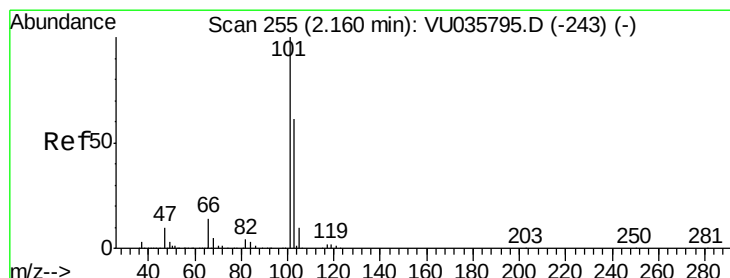
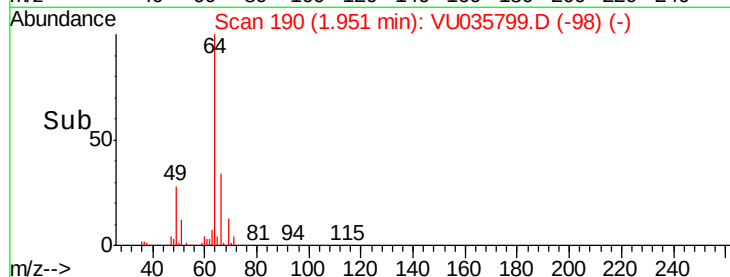
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.135 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035799.D

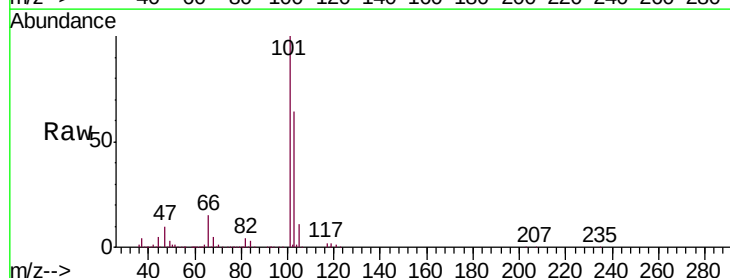
Acq: 21 Nov 2019 12:56

Tgt Ion: 101 Resp: 252728

Ion Ratio Lower Upper

101 100

103 63.7 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035799.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035799.D (-243) (-)

2.16

200000

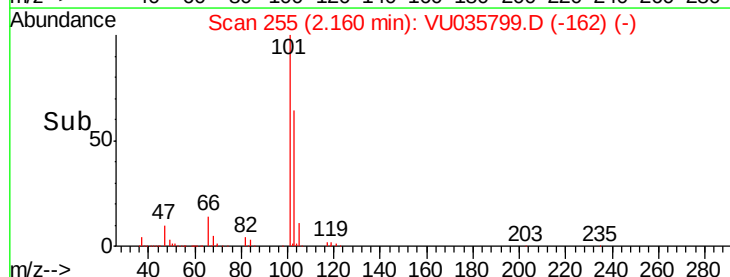
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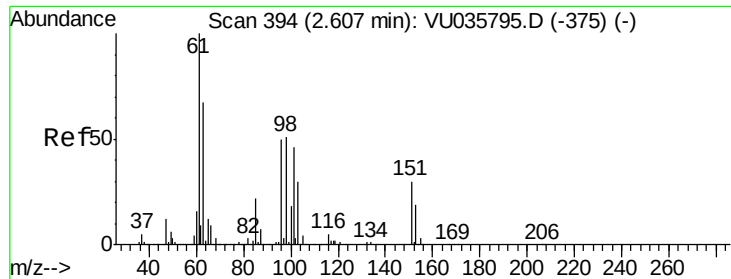
100000

50000

0

Time-->





#10

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

Concen: 5.054 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

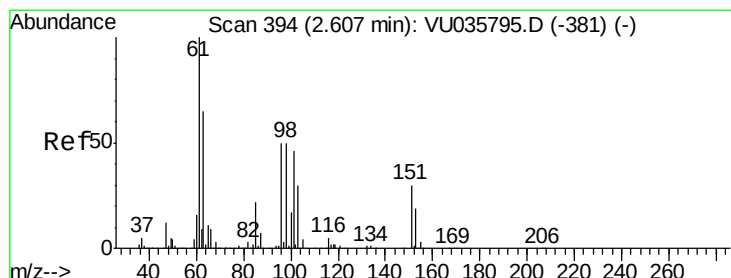
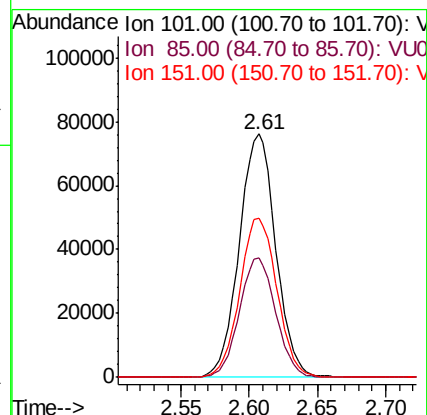
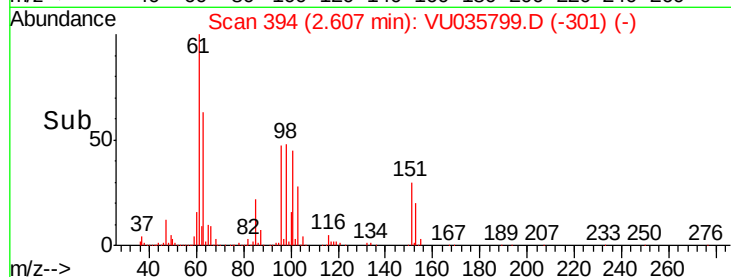
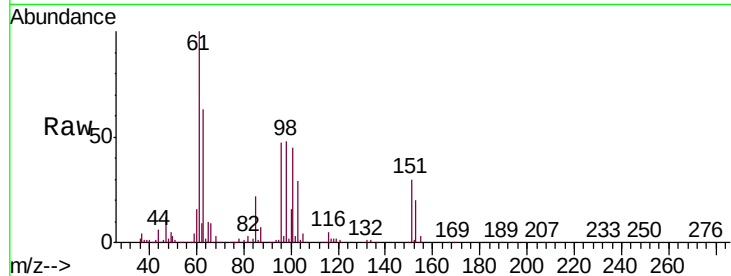
Tgt Ion: 101 Resp: 141312

Ion Ratio Lower Upper

101 100

85 48.7 38.1 57.1

151 66.6 52.0 78.0



#12

1,1-Dichloroethene

Concen: 4.920 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

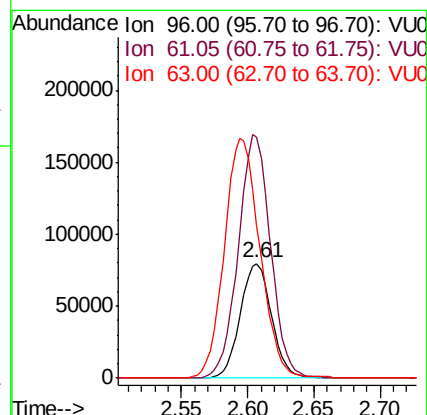
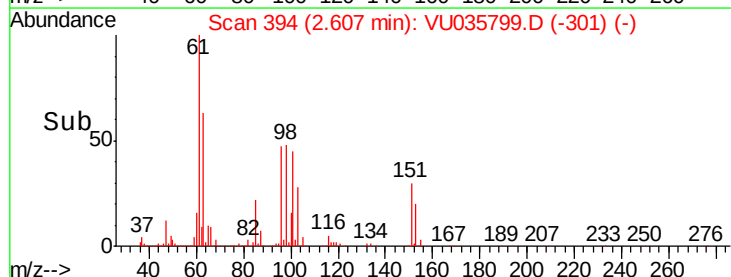
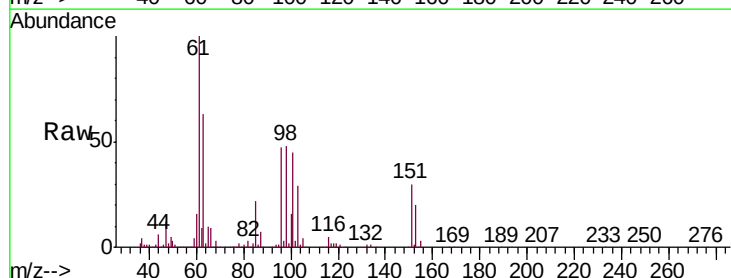
Tgt Ion: 96 Resp: 129952

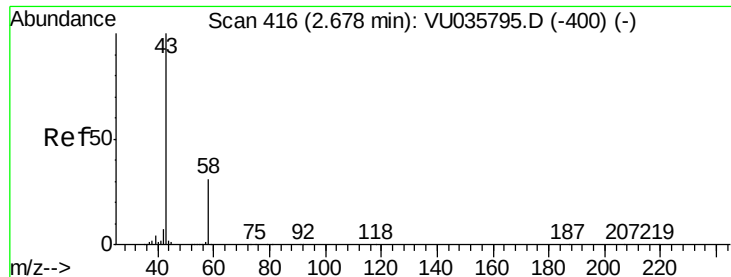
Ion Ratio Lower Upper

96 100

61 210.7 139.3 258.7

63 133.8 93.7 174.1





#13

Acetone

Concen: 46.380 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

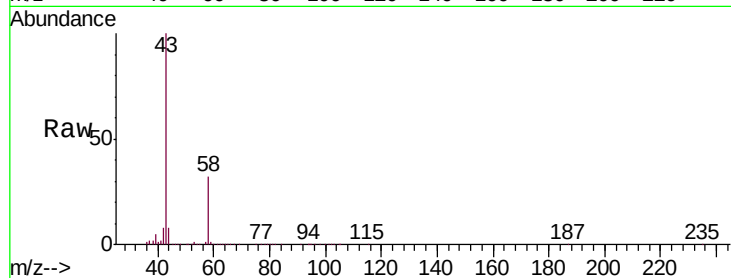
VSTD00527

Tgt Ion: 43 Resp: 312588

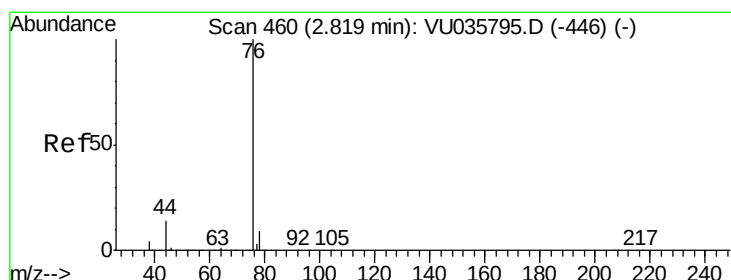
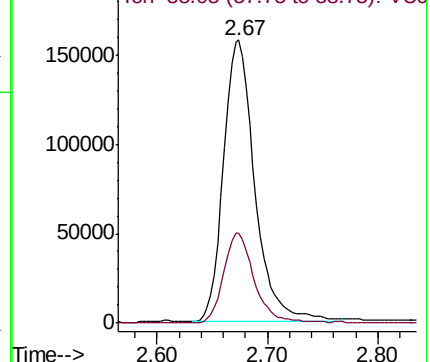
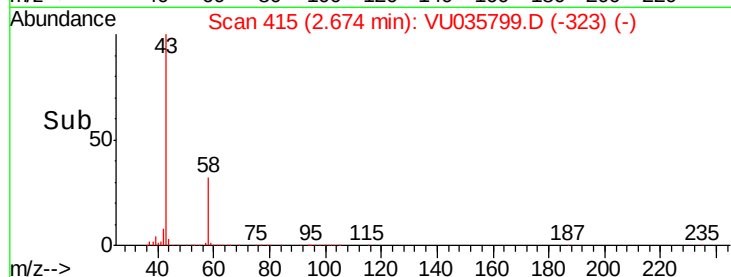
Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-323) (-)



#14

Carbon disulfide

Concen: 5.008 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035799.D

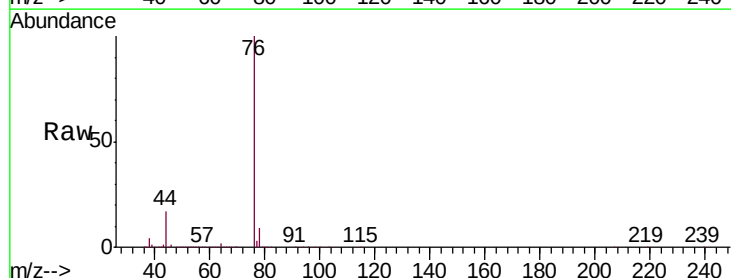
Acq: 21 Nov 2019 12:56

Tgt Ion: 76 Resp: 439370

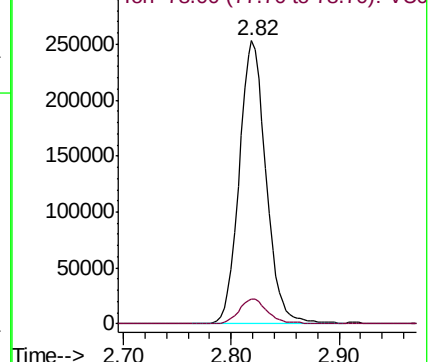
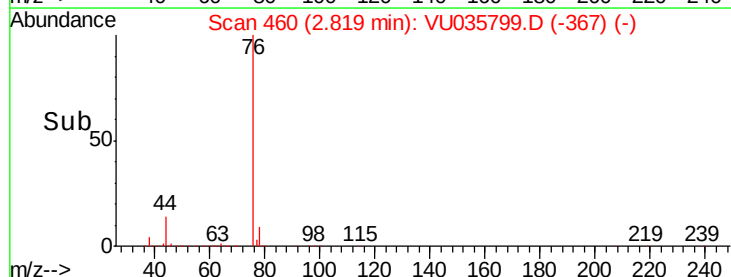
Ion Ratio Lower Upper

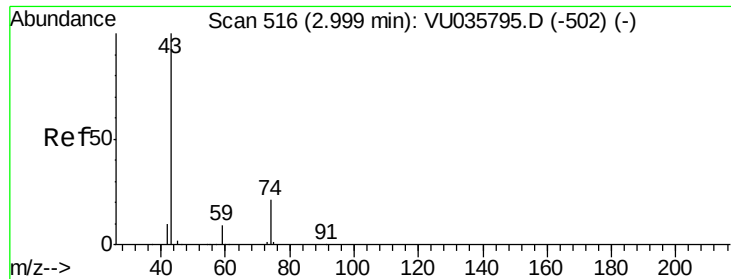
76 100

78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035799.D (-367) (-)

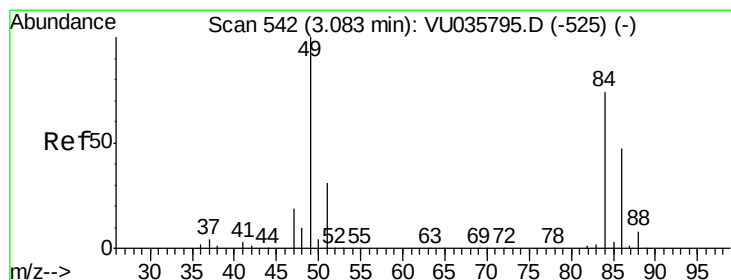
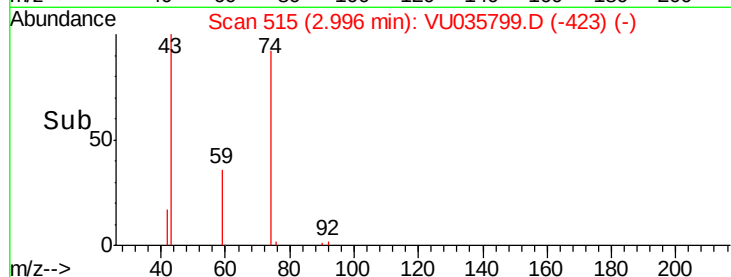
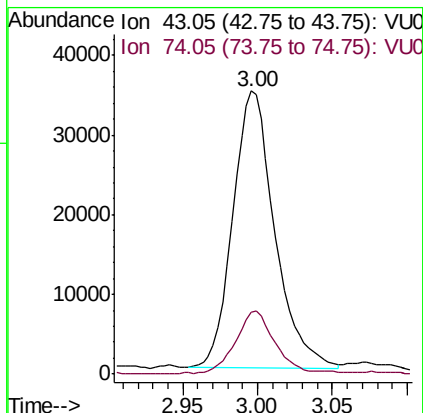
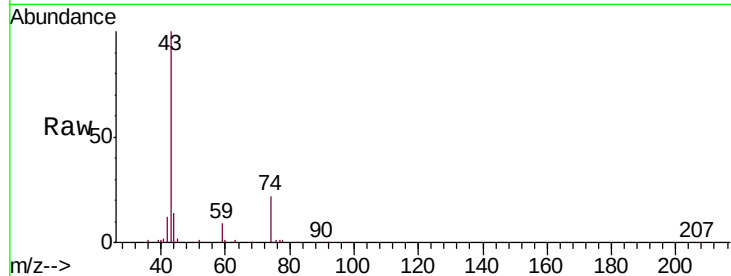




#15
Methyl Acetate
Concen: 4.991 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

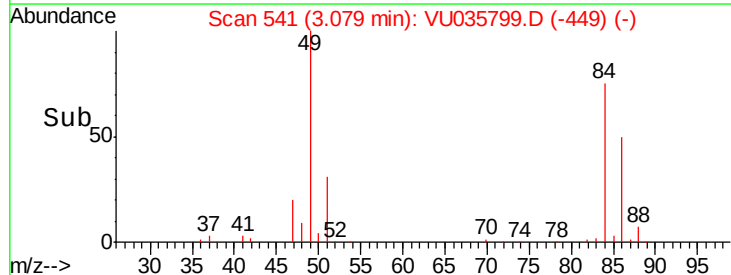
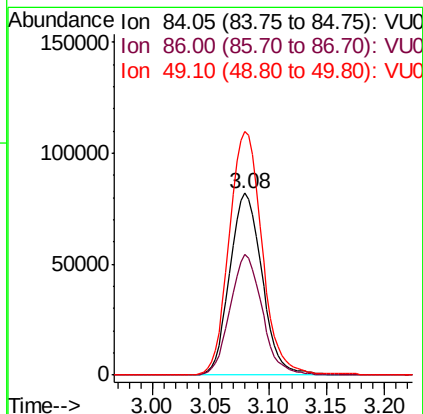
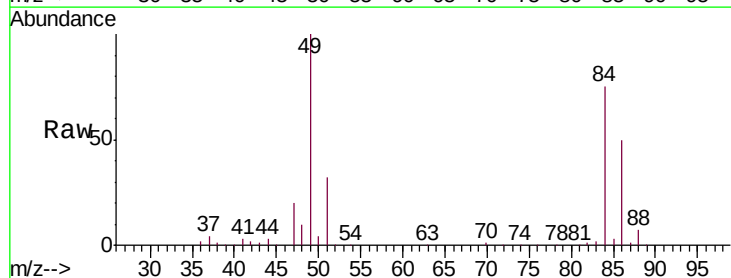
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

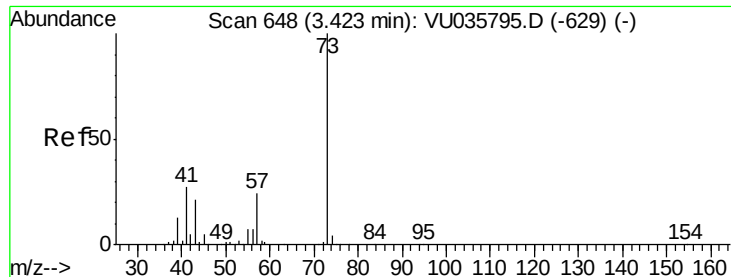
Tgt Ion: 43 Resp: 67443
Ion Ratio Lower Upper
43 100
74 21.8 18.2 27.4



#16
Methylene chloride
Concen: 4.968 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Tgt Ion: 84 Resp: 158513
Ion Ratio Lower Upper
84 100
86 66.5 44.4 82.5
49 133.8 94.0 174.6





#17

Methyl tert-butyl Ether

Concen: 5.232 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

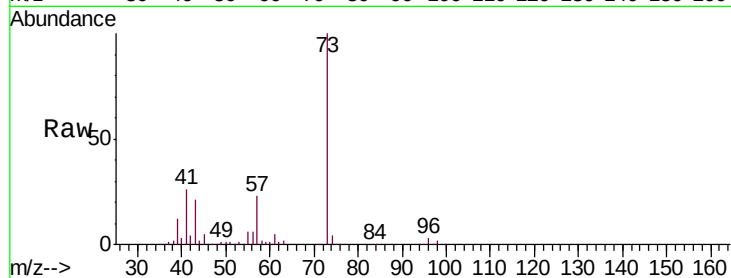
Tgt Ion: 73 Resp: 334386

Ion Ratio Lower Upper

73 100

43 21.9 17.4 26.2

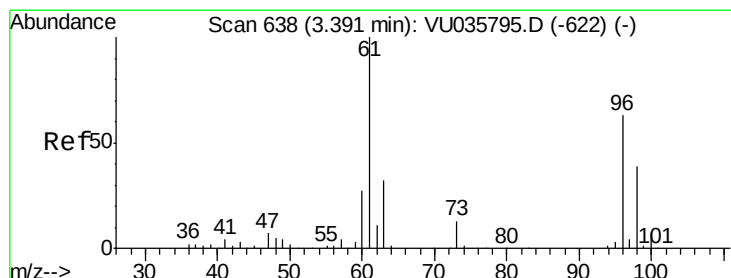
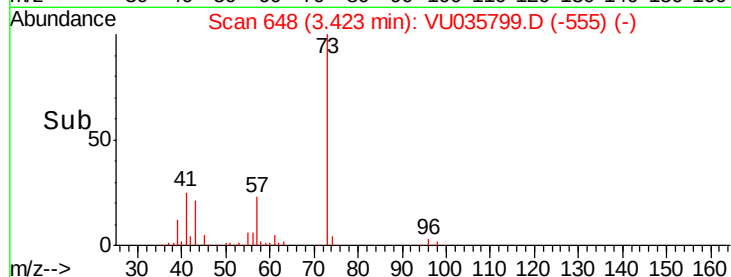
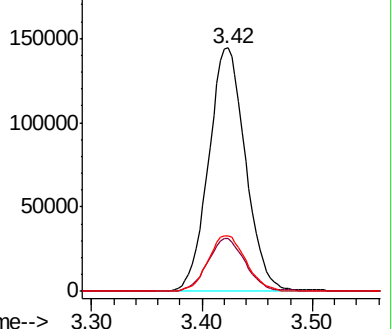
57 23.5 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU035799.D (-629) (-)

Ion 43.05 (42.75 to 43.75): VU035799.D (-629) (-)

Ion 57.10 (56.80 to 57.80): VU035799.D (-629) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.177 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

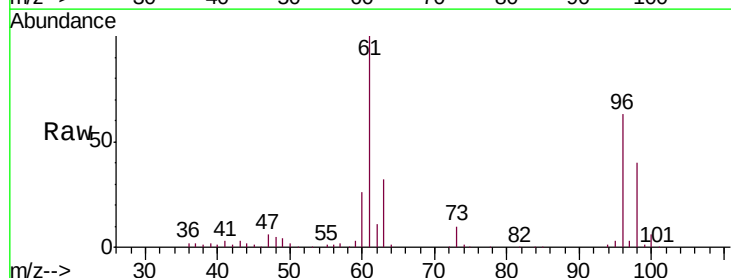
Tgt Ion: 96 Resp: 134635

Ion Ratio Lower Upper

96 100

61 159.2 111.1 206.3

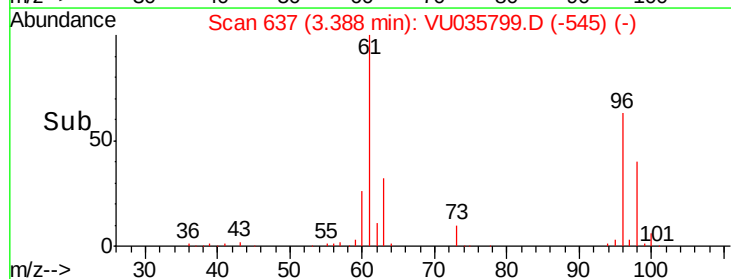
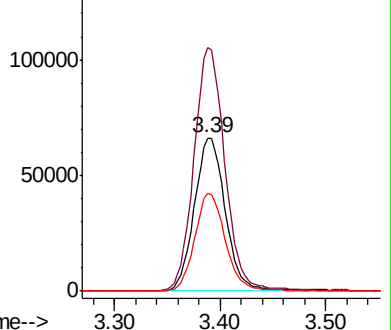
98 63.6 43.1 80.1

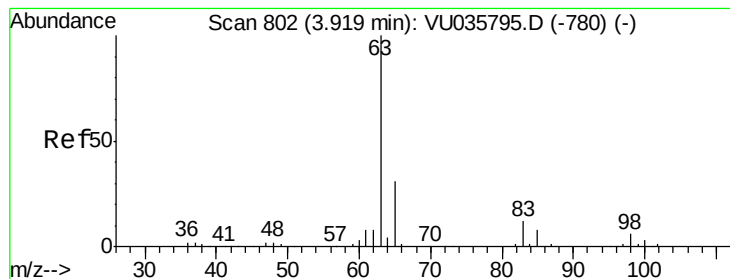


Abundance Ion 96.00 (95.70 to 96.70): VU035799.D (-622) (-)

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: 5.077 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

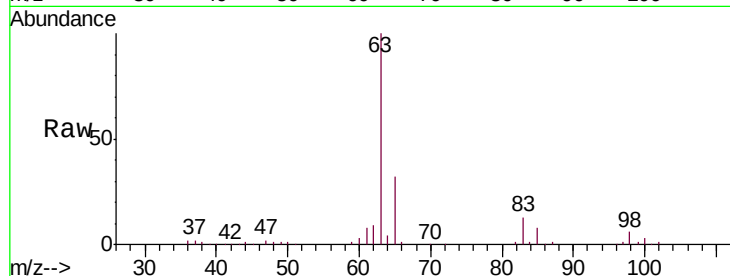
Tgt Ion: 63 Resp: 296663

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.4

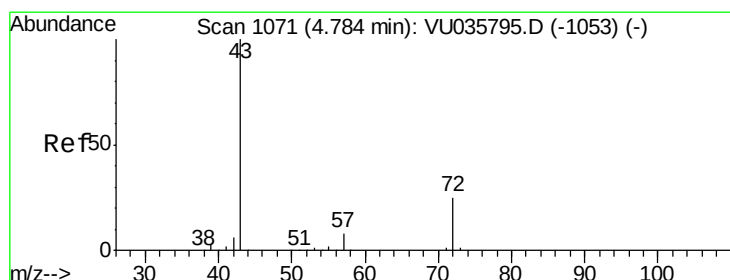
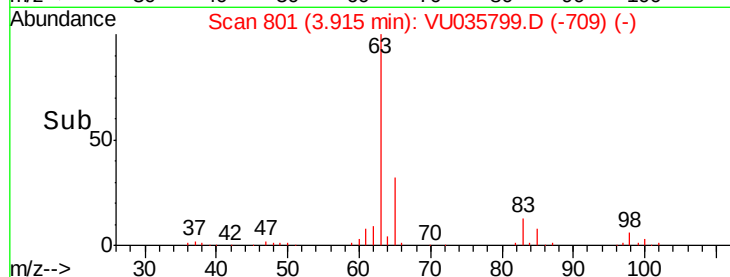
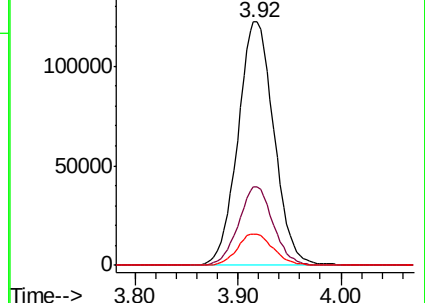
83 12.9 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035799.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU035799.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU035799.D (-780) (-)



#21

2-Butanone

Concen: 50.867 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VU035799.D

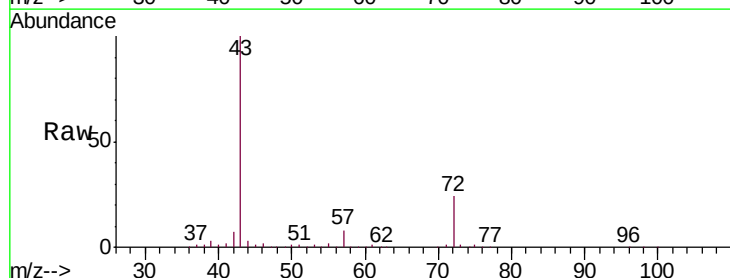
Acq: 21 Nov 2019 12:56

Tgt Ion: 43 Resp: 433823

Ion Ratio Lower Upper

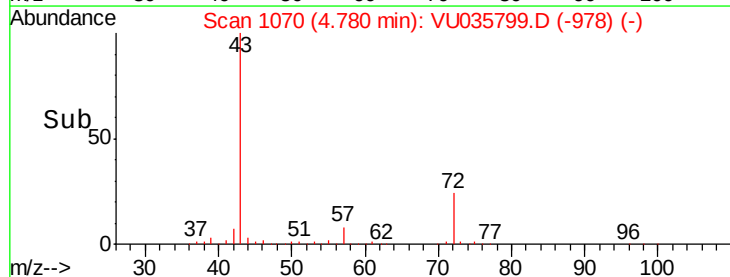
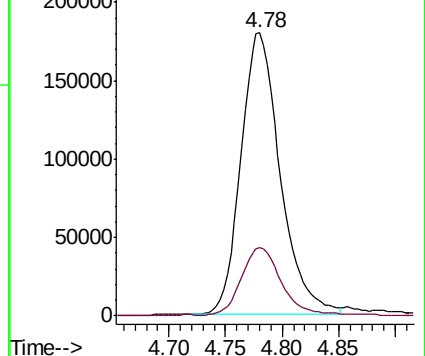
43 100

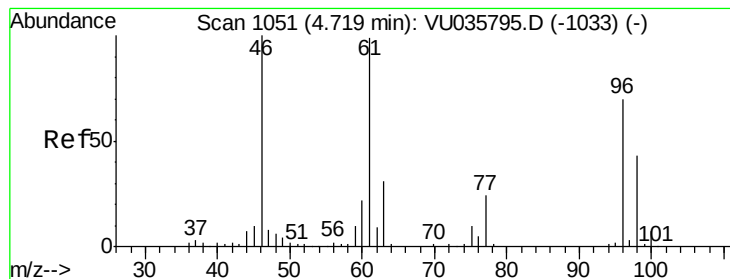
72 23.9 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-978) (-)

Ion 72.10 (71.80 to 72.80): VU035799.D (-978) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.130 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

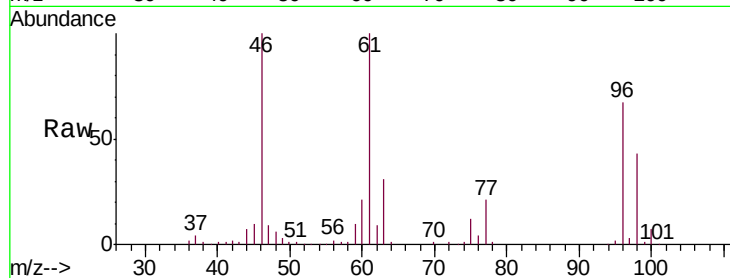
Tgt Ion: 96 Resp: 148683

Ion Ratio Lower Upper

96 100

61 148.7 98.1 182.1

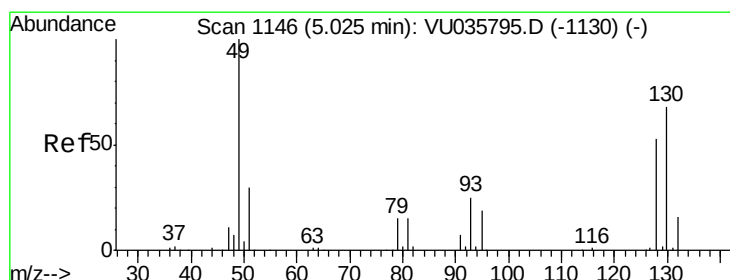
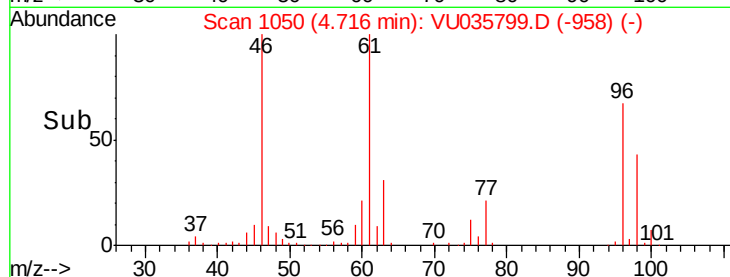
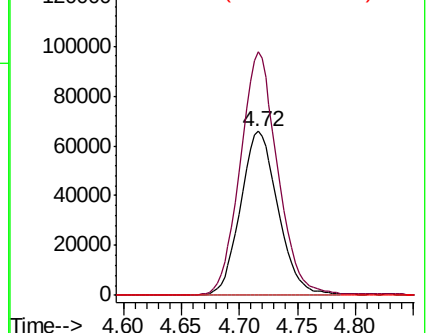
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035799.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035799.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035799.D (-958) (-)



#23

Bromochloromethane

Concen: 5.135 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Tgt Ion: 128 Resp: 64837

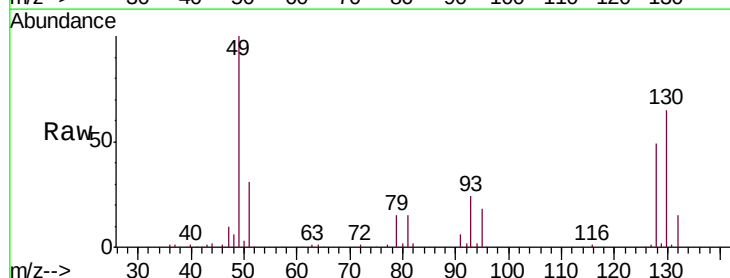
Ion Ratio Lower Upper

128 100

49 204.9 133.8 248.6

130 133.9 91.1 169.1

51 64.3 46.5 69.7

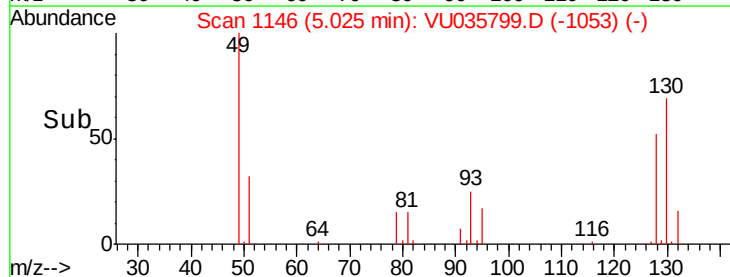
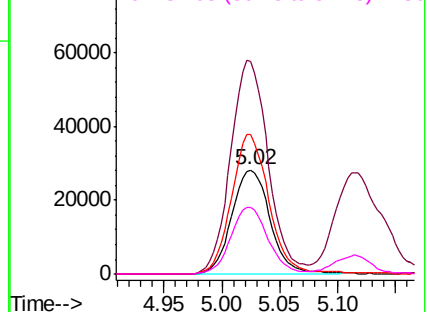


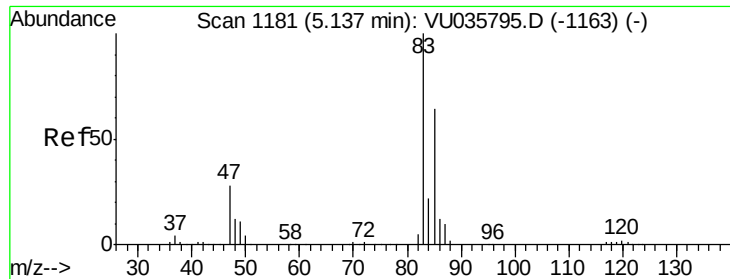
Abundance Ion 127.90 (127.60 to 128.60): VU035799.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035799.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035799.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035799.D (-1053) (-)

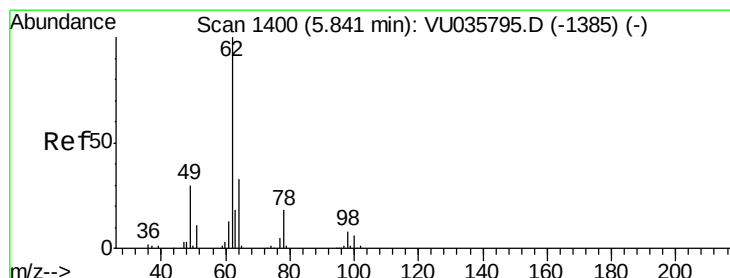
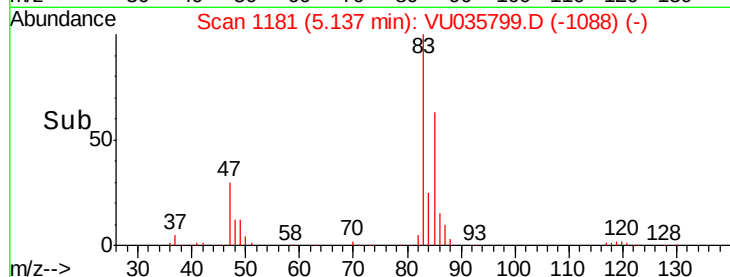
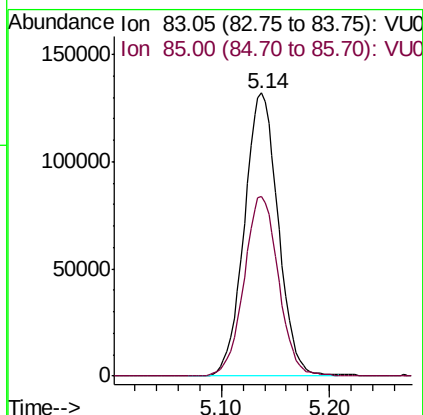
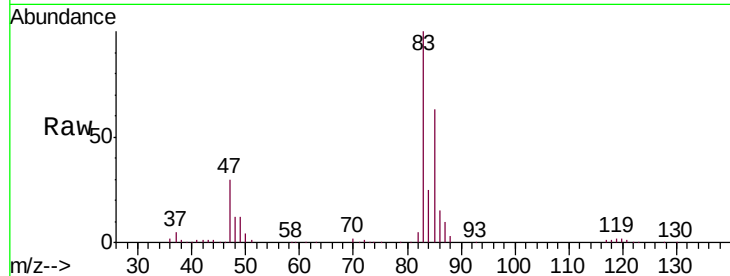




#25
Chloroform
Concen: 5.057 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

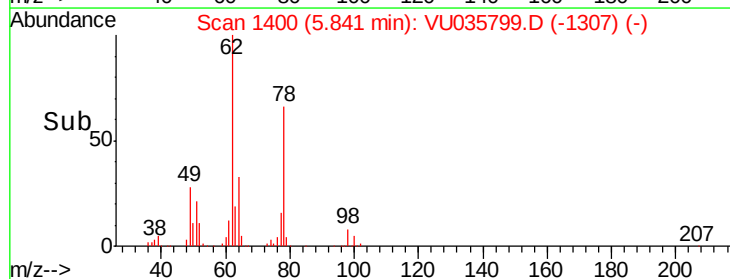
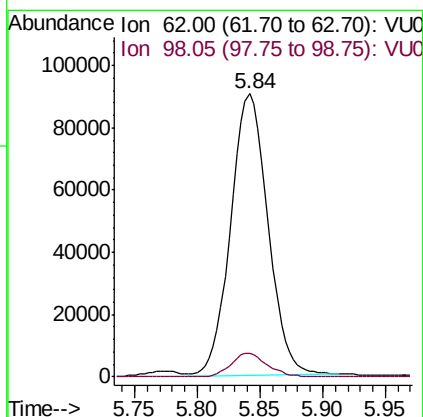
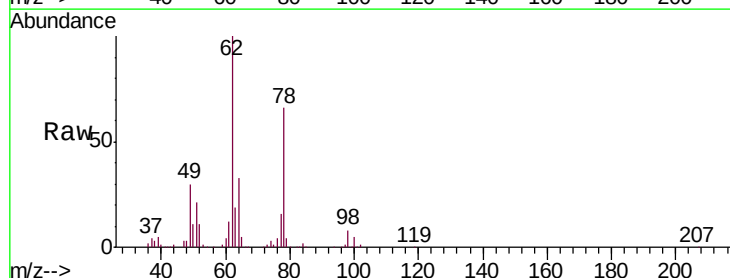
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

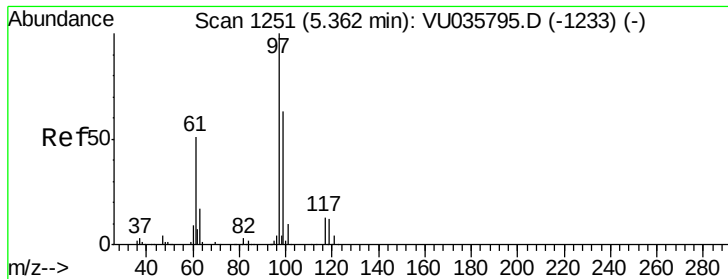
Tgt Ion: 83 Resp: 287538
Ion Ratio Lower Upper
83 100
85 63.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.003 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Tgt Ion: 62 Resp: 187082
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

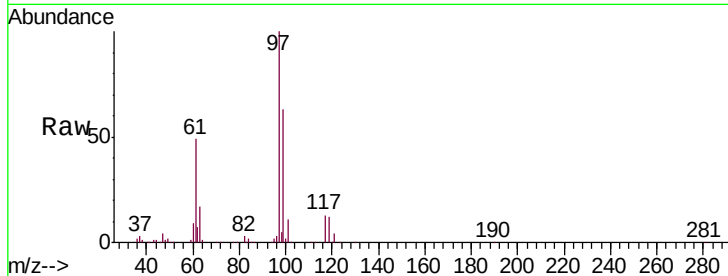




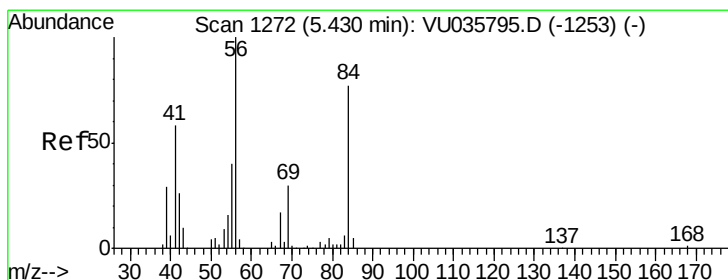
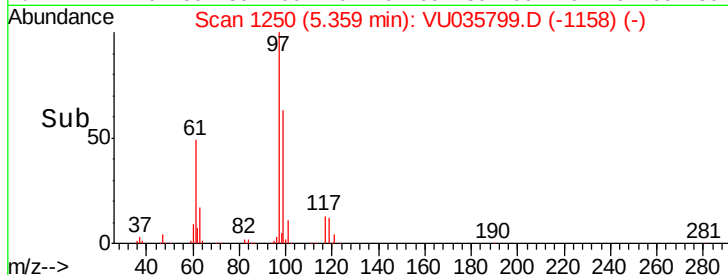
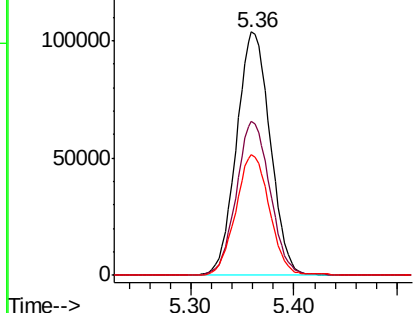
#29
 1,1,1-Trichloroethane
 Concen: 5.282 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 97 Resp: 235962
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.9 77.9
 61 49.3 40.3 60.5

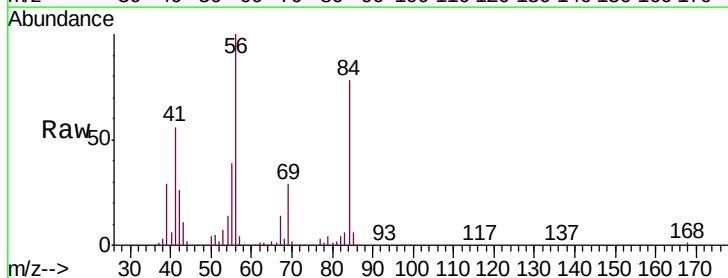


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

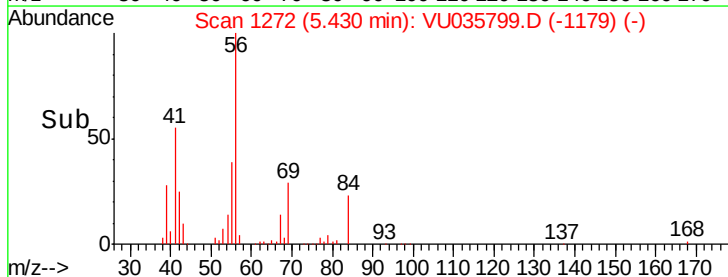
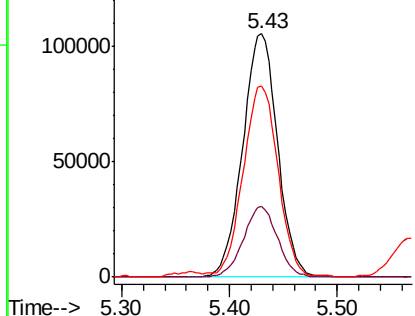


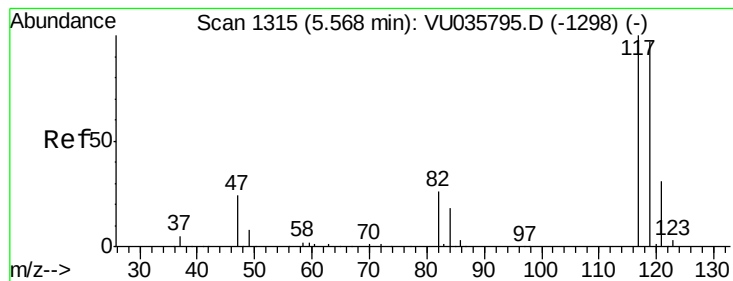
#30
 Cyclohexane
 Concen: 5.415 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion: 56 Resp: 236387
 Ion Ratio Lower Upper
 56 100
 69 28.4 24.0 36.0
 84 78.0 62.1 93.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.160 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

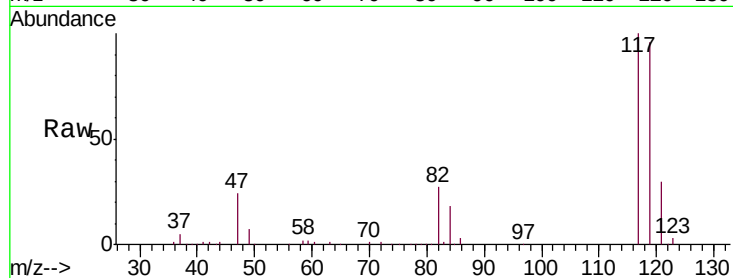
VSTD00527

Tgt Ion:117 Resp: 199628

Ion Ratio Lower Upper

117 100

119 95.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

100000

80000

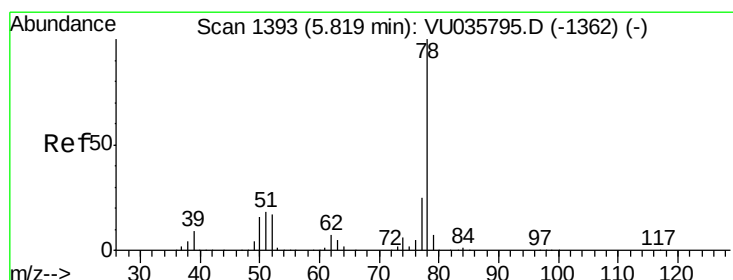
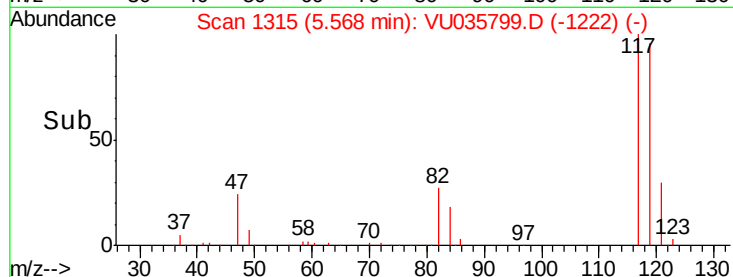
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 5.343 ug/L

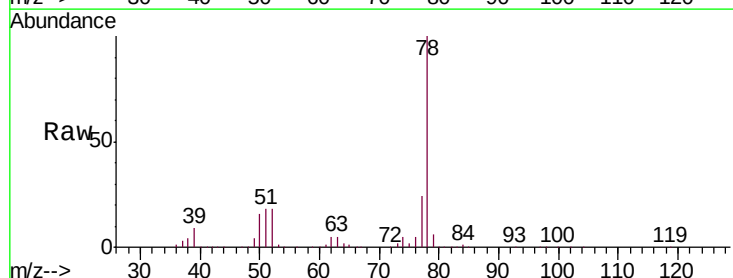
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Tgt Ion: 78 Resp: 617059



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

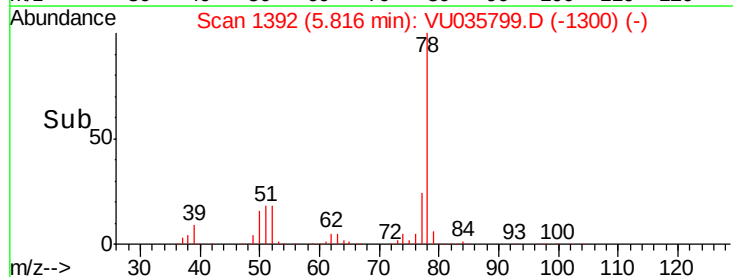
300000

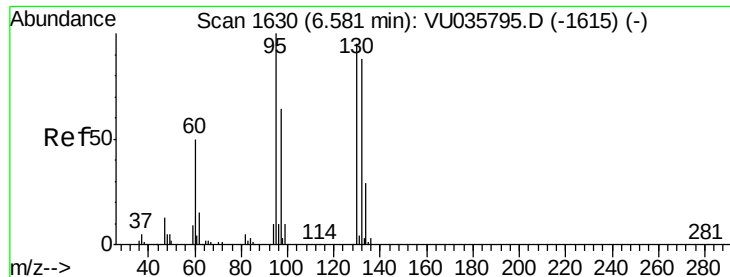
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 5.356 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tgt Ion: 95 Resp: 151641

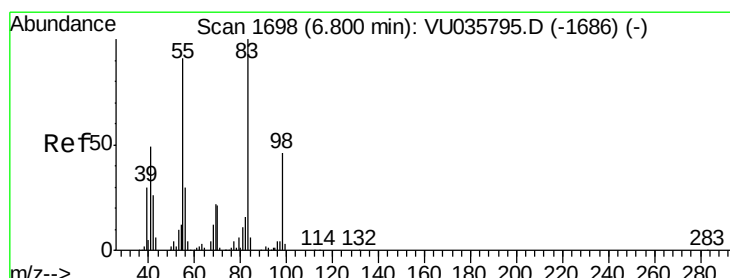
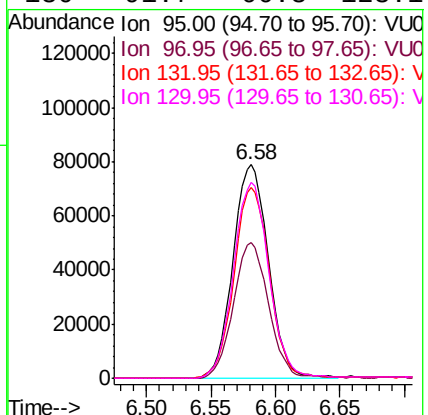
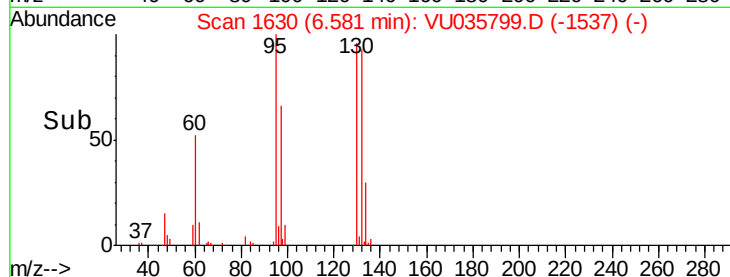
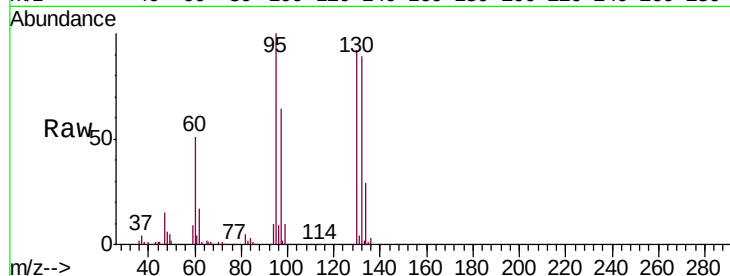
Ion Ratio Lower Upper

95 100

97 63.6 45.1 83.9

132 89.4 61.9 114.9

130 91.7 66.3 123.1



#35

Methylcyclohexane

Concen: 5.385 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

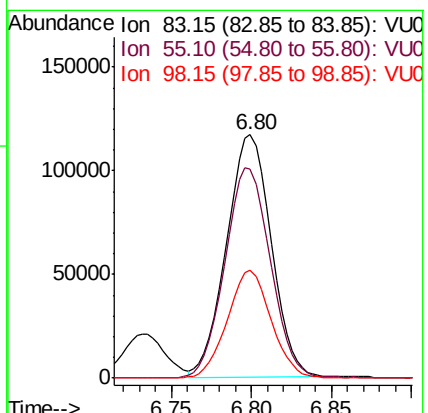
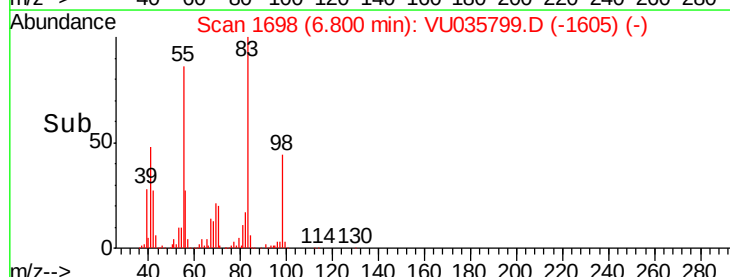
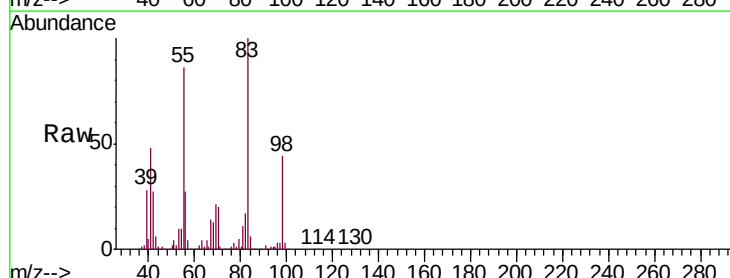
Tgt Ion: 83 Resp: 223738

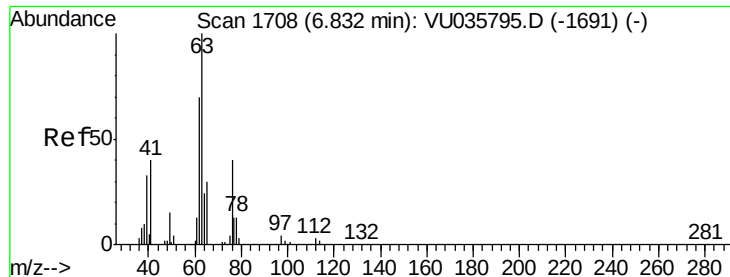
Ion Ratio Lower Upper

83 100

55 88.2 72.7 109.1

98 43.6 36.2 54.4

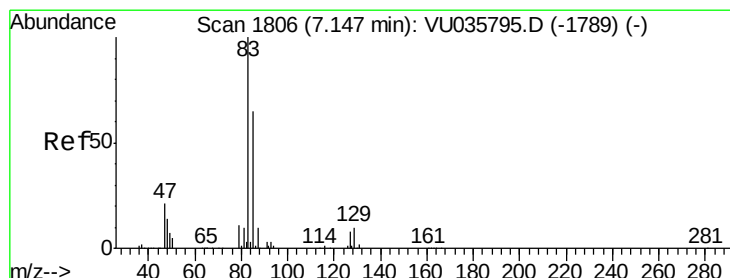
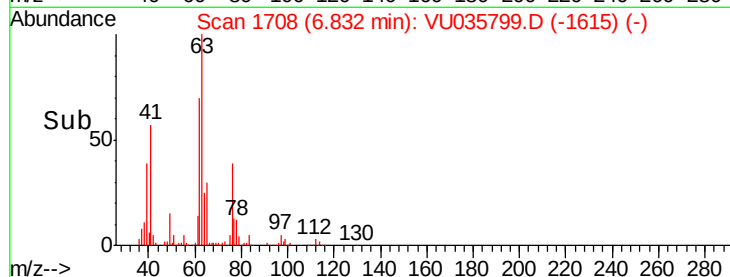
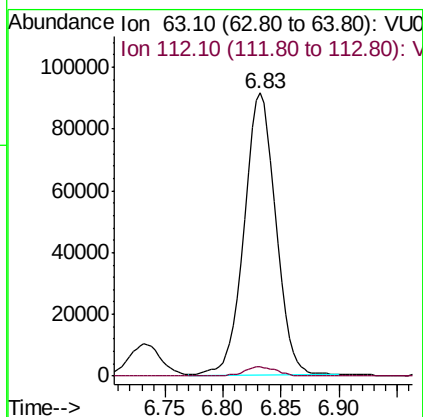
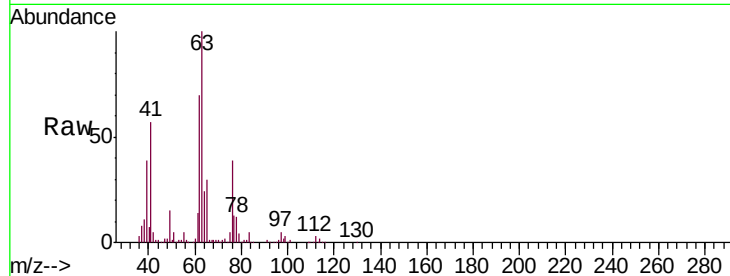




#37
 1,2-Dichloropropane
 Concen: 5.325 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

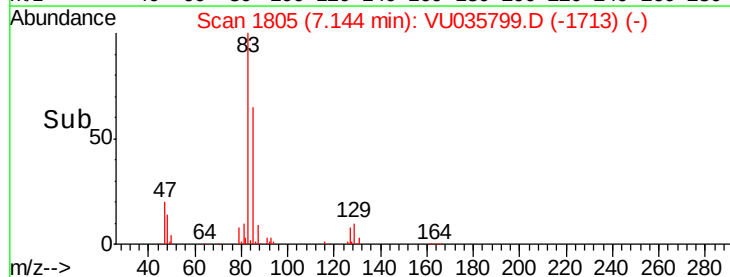
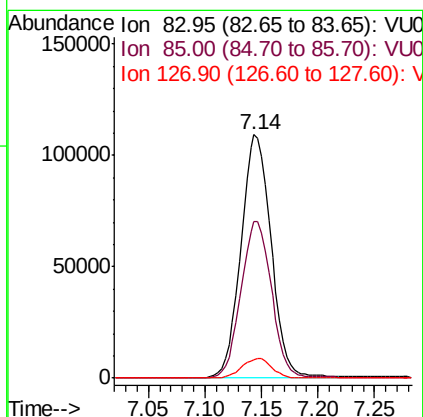
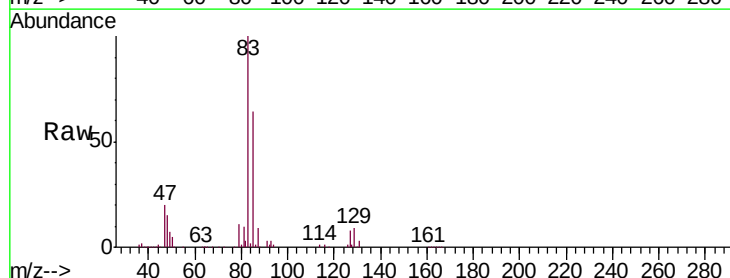
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

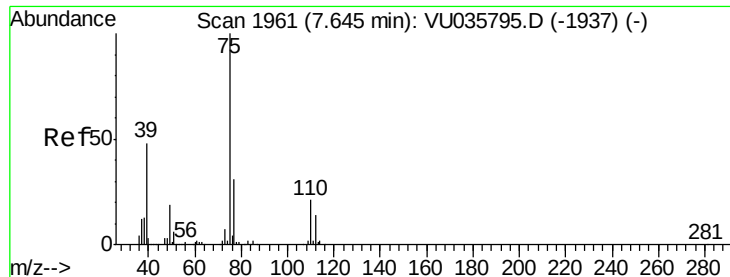
Tgt Ion: 63 Resp: 174396
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.174 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion: 83 Resp: 203118
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.6 84.8
 127 7.7 6.0 9.0

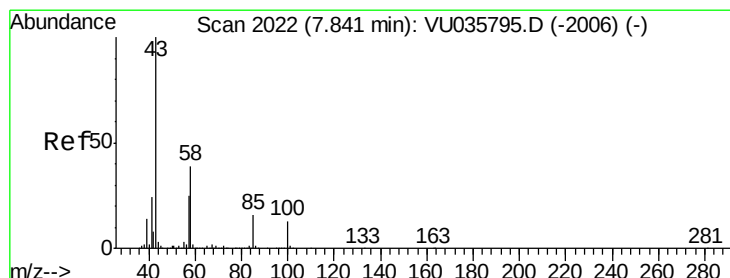
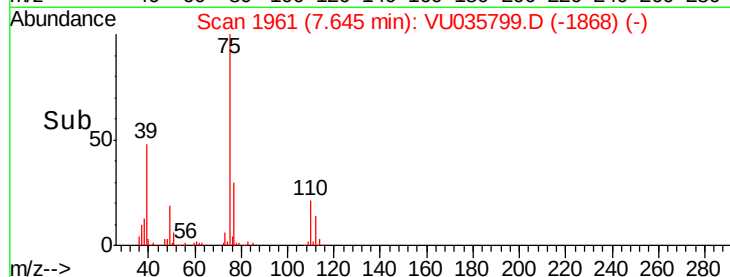
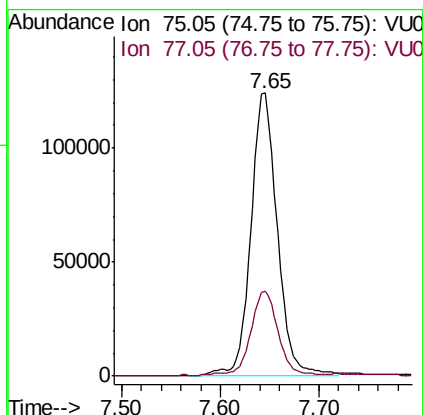
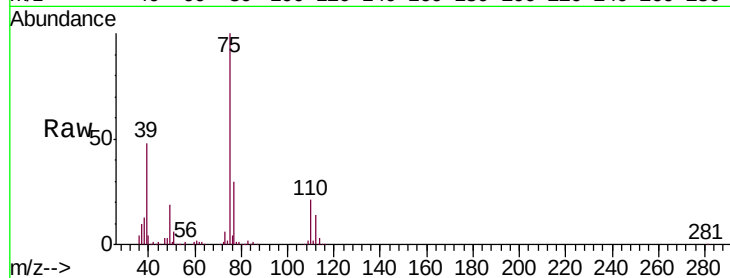




#39
 cis-1,3-Dichloropropene
 Concen: 5.447 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

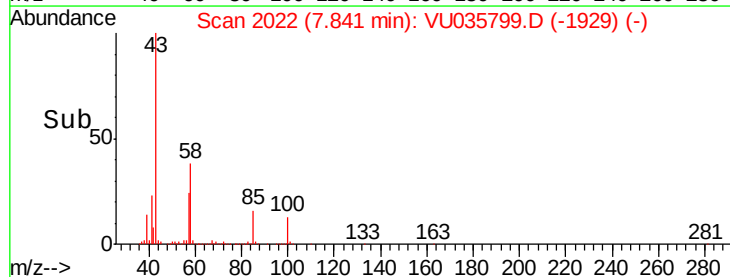
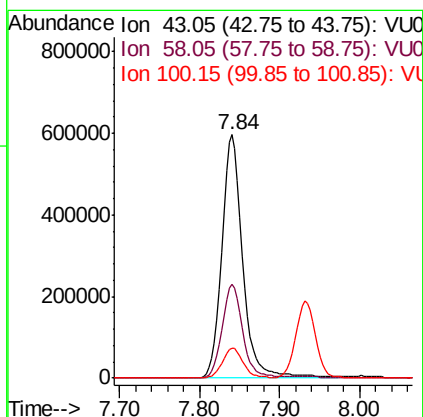
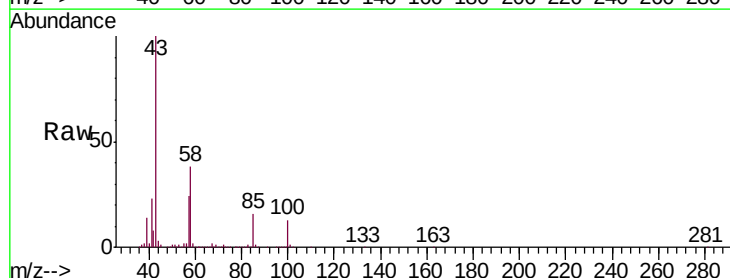
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

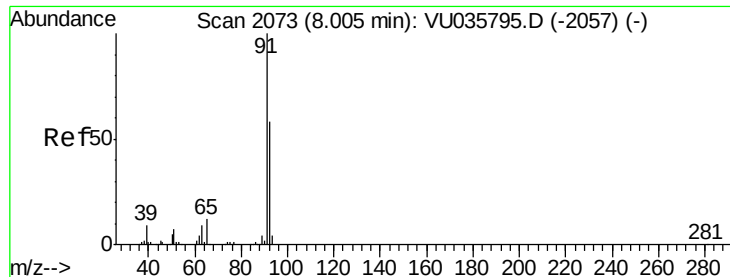
Tgt Ion: 75 Resp: 230950
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 53.677 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion: 43 Resp: 1079321
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 12.3 10.0 15.0





#42

Toluene

Concen: 5.464 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

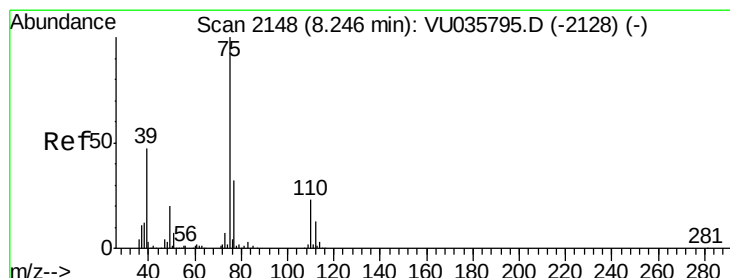
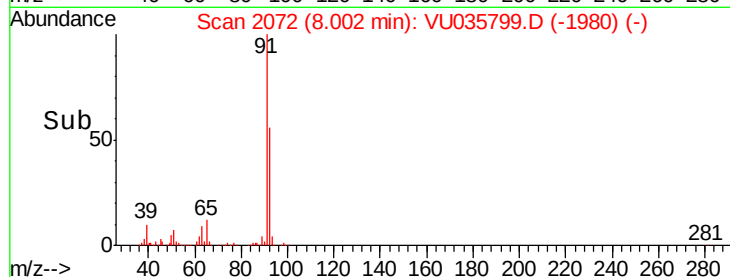
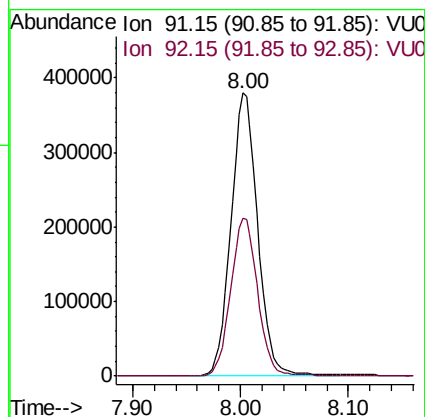
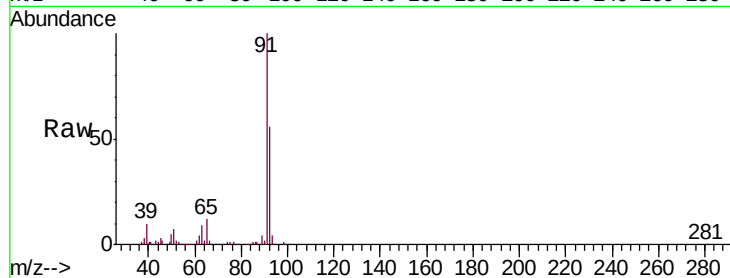
VSTD00527

Tgt Ion: 91 Resp: 656423

Ion Ratio Lower Upper

91 100

92 55.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.387 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035799.D

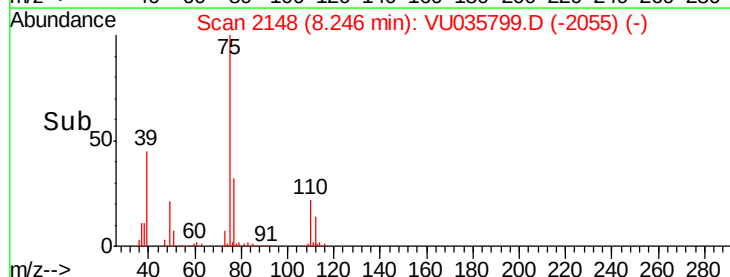
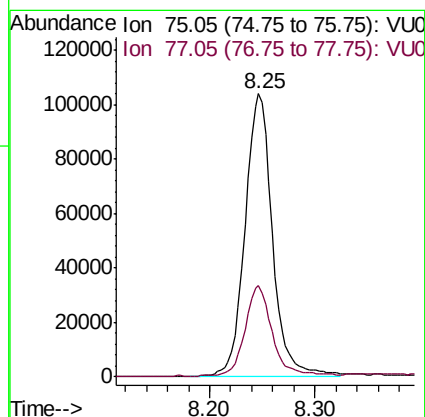
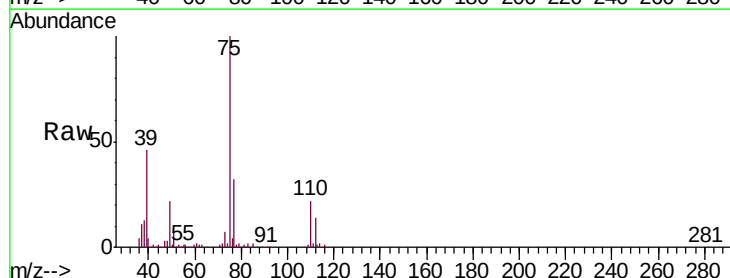
Acq: 21 Nov 2019 12:56

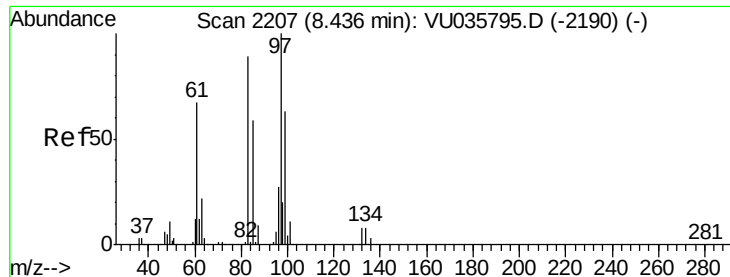
Tgt Ion: 75 Resp: 189391

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1

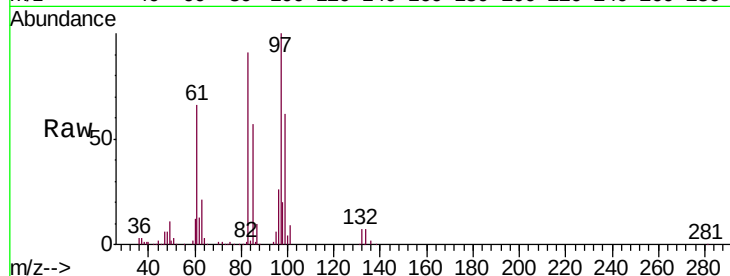




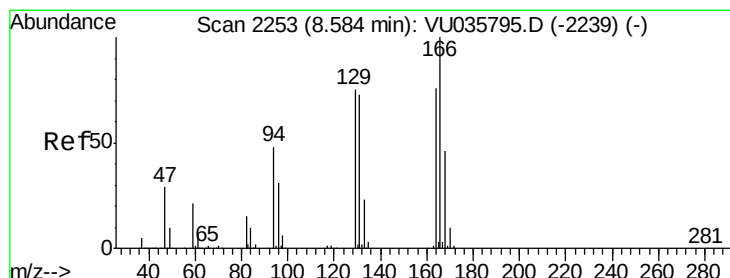
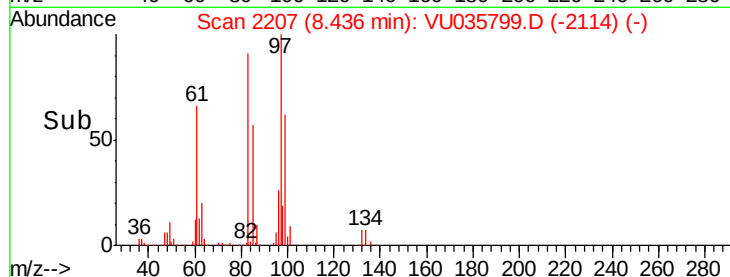
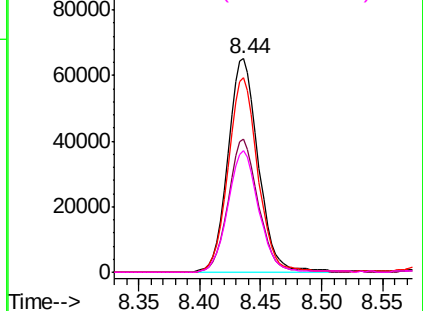
#45
 1,1,2-Trichloroethane
 Concen: 5.322 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:	97	Resp:	113583
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.0
83	90.8	62.2	115.6
85	57.0	41.5	77.1

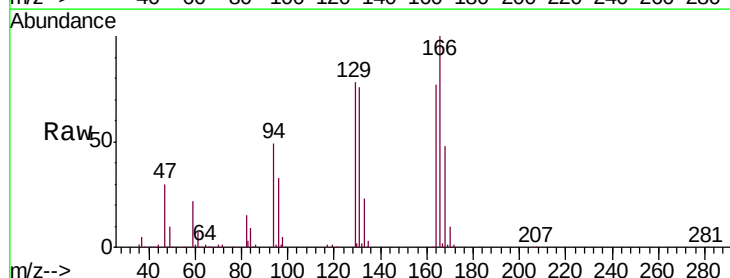


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

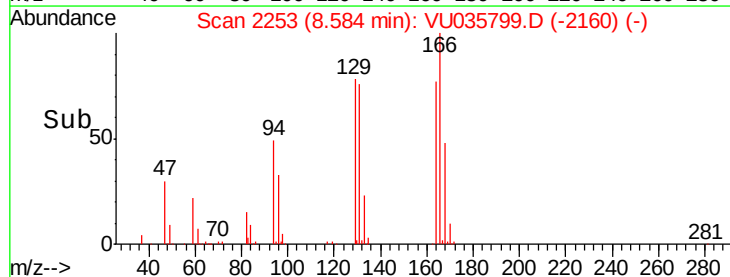
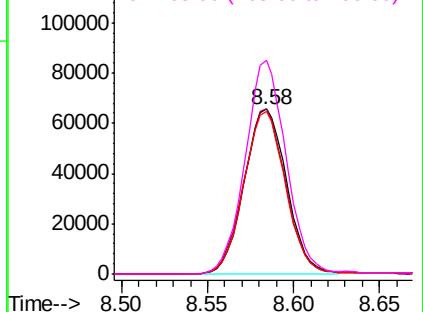


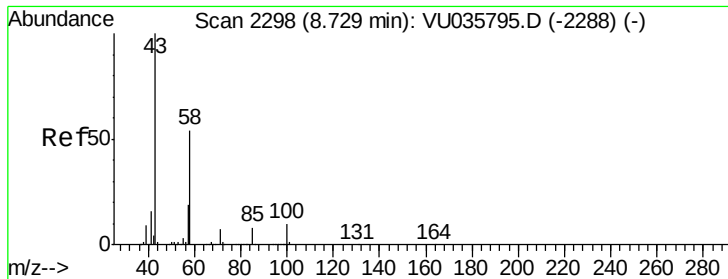
#47
 Tetrachloroethene
 Concen: 5.200 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion:	164	Resp:	112037
Ion	Ratio	Lower	Upper
164	100		
129	100.3	68.8	127.8
131	98.3	67.3	124.9
166	129.4	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

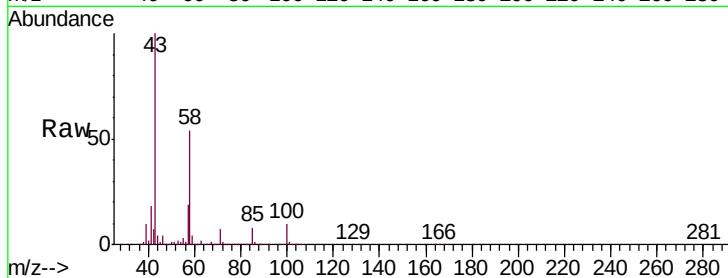




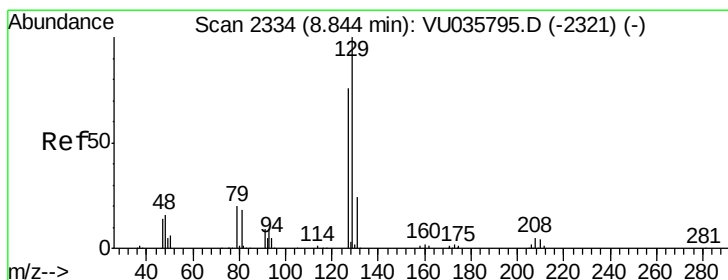
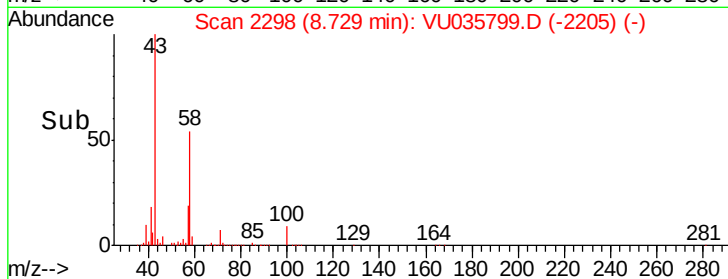
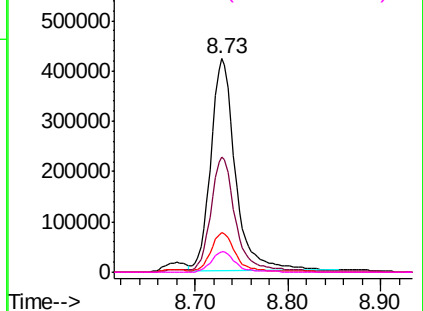
#48
2-Hexanone
Concen: 52.719 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:	43	Resp:	780452
Ion	Ratio	Lower	Upper
43	100		
58	53.9	39.8	59.8
57	18.1	14.0	21.0
100	9.7	7.2	10.8

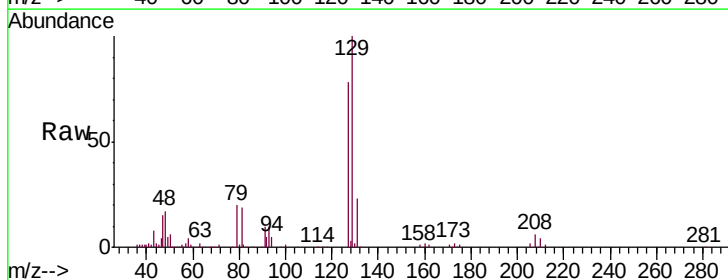


Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-2288) (-)
Ion 58.05 (57.75 to 58.75): VU035799.D (-2288) (-)
Ion 57.20 (56.90 to 57.90): VU035799.D (-2288) (-)
Ion 100.15 (99.85 to 100.85): VU035799.D (-2288) (-)

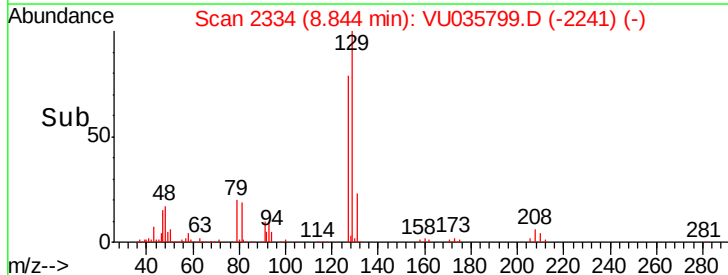
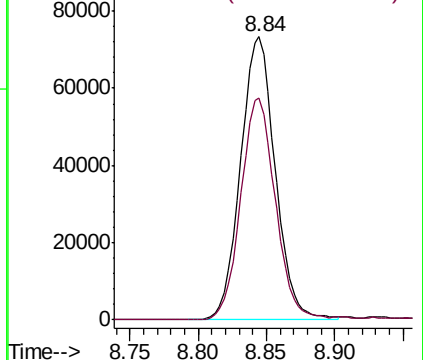


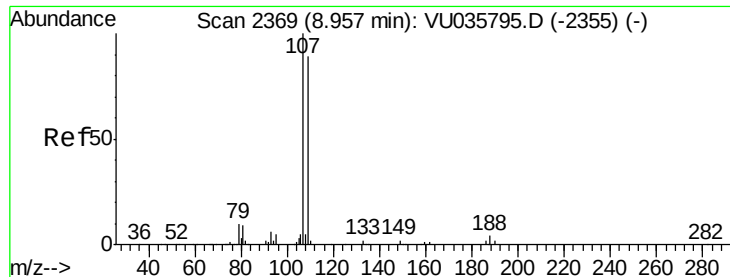
#49
Dibromochloromethane
Concen: 5.145 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Tgt Ion:	129	Resp:	129545
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035799.D (-2321) (-)
Ion 126.90 (126.60 to 127.60): VU035799.D (-2321) (-)

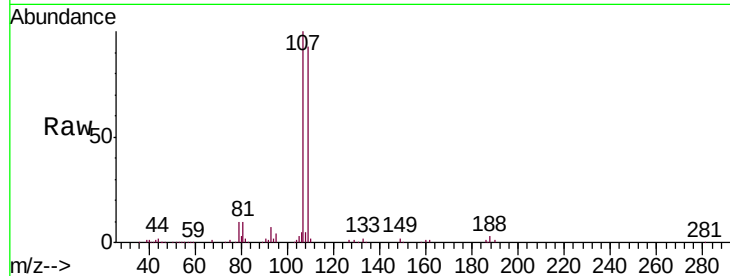




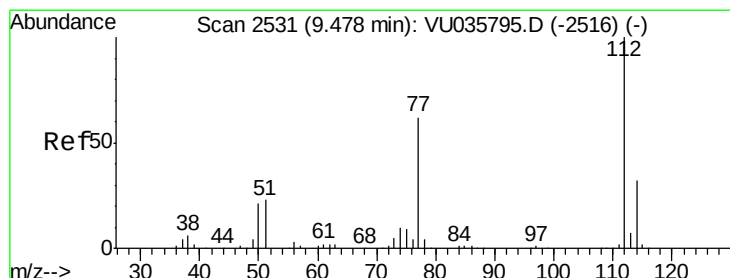
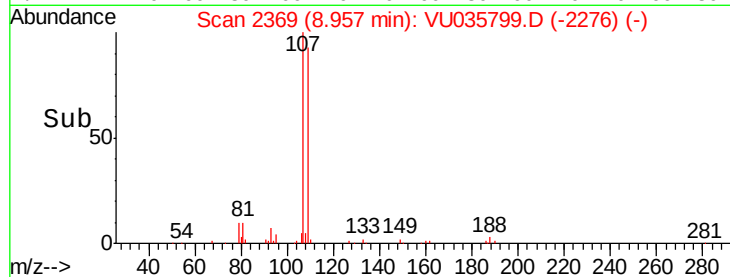
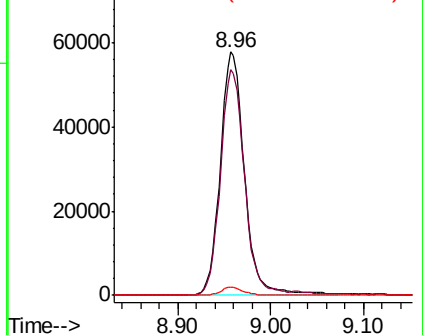
#50
1,2-Dibromoethane
Concen: 5.364 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	62.6	116.3
188	3.4	2.8	4.2

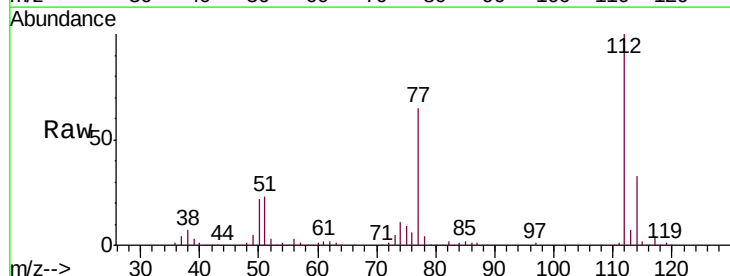


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

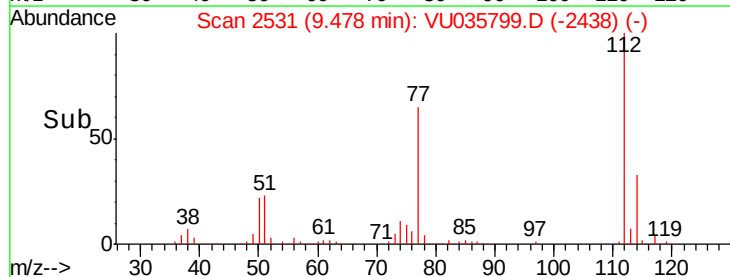
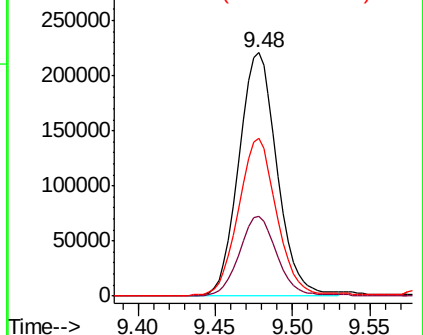


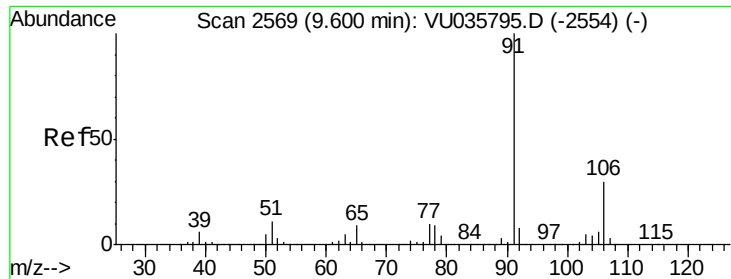
#51
Chlorobenzene
Concen: 5.118 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.2	41.2
77	65.0	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: 5.338 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

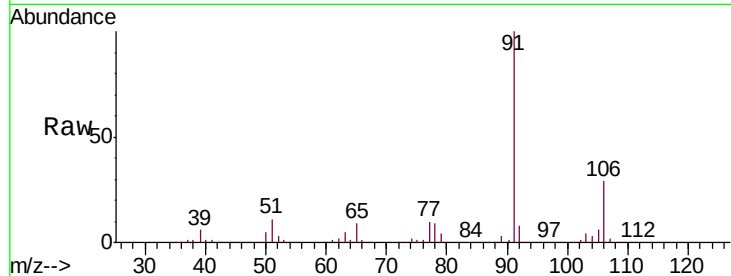
VSTD00527

Tgt Ion: 91 Resp: 663008

Ion Ratio Lower Upper

91 100

106 29.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035799.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035799.D (-2554) (-)

9.60

400000

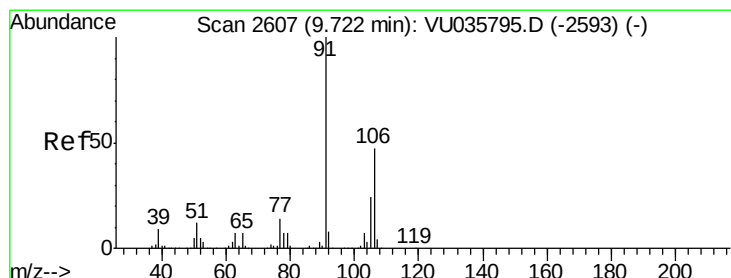
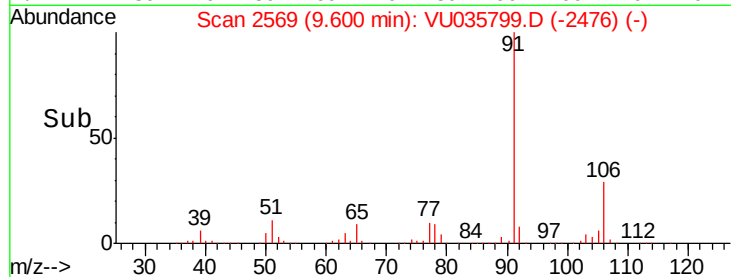
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 5.453 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035799.D

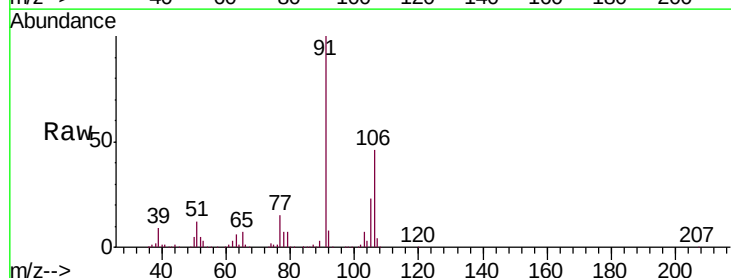
Acq: 21 Nov 2019 12:56

Tgt Ion: 106 Resp: 238806

Ion Ratio Lower Upper

106 100

91 218.6 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035799.D (-2593) (-)

Ion 91.15 (90.85 to 91.85): VU035799.D (-2593) (-)

9.72

400000

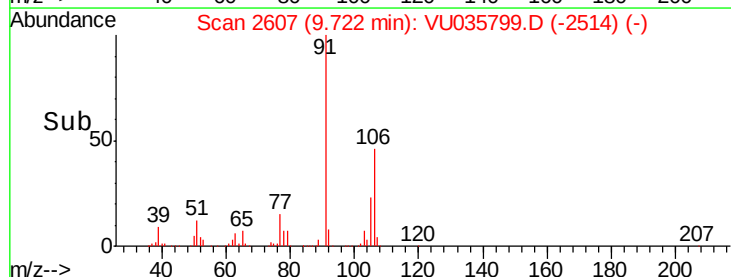
300000

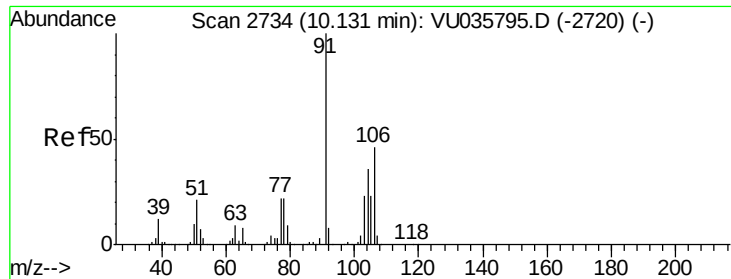
200000

100000

0

Time-->

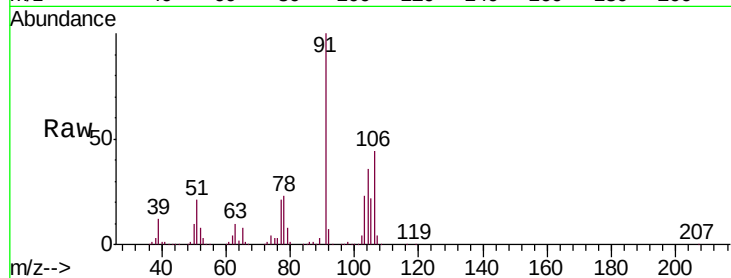




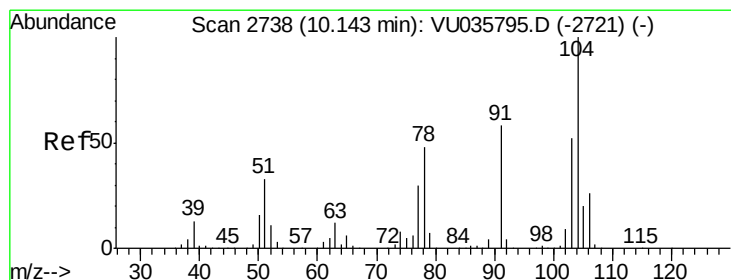
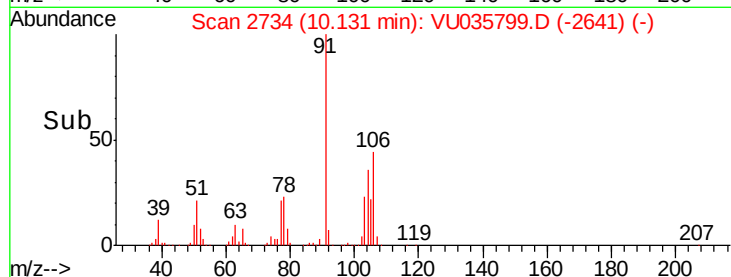
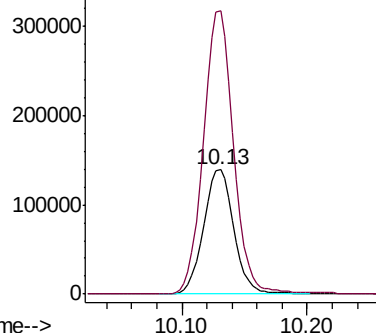
#54
o-Xylene
Concen: 5.508 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:106 Resp: 234267
Ion Ratio Lower Upper
106 100
91 227.2 153.6 285.2

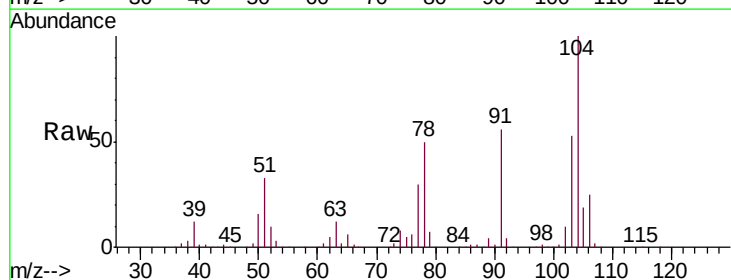


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

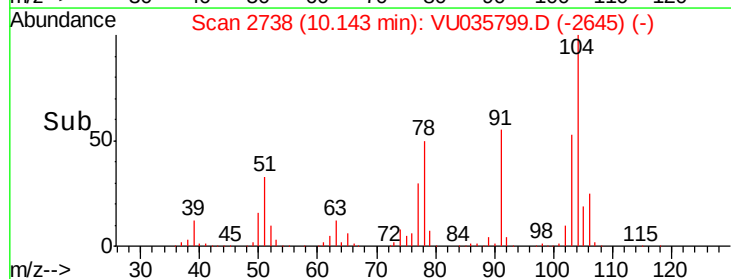
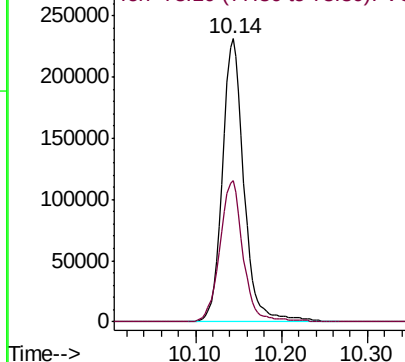


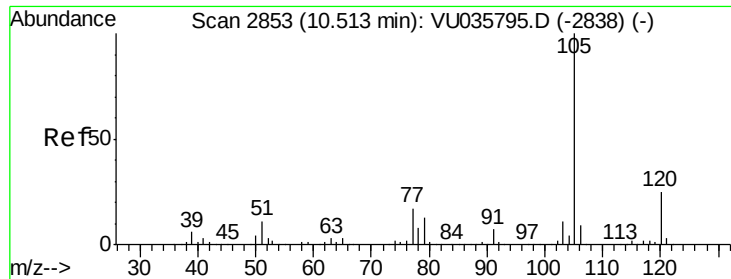
#55
Styrene
Concen: 5.704 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035799.D
Acq: 21 Nov 2019 12:56

Tgt Ion:104 Resp: 402412
Ion Ratio Lower Upper
104 100
78 49.8 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: 5.567 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

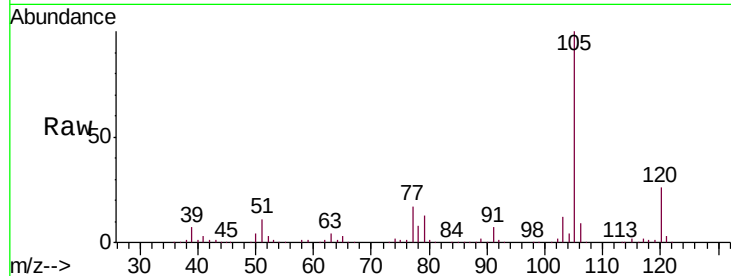
Tgt Ion: 105 Resp: 625535

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

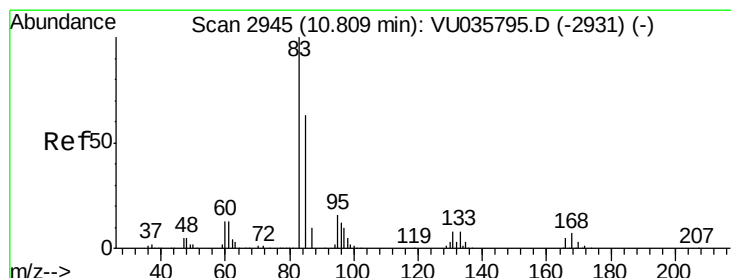
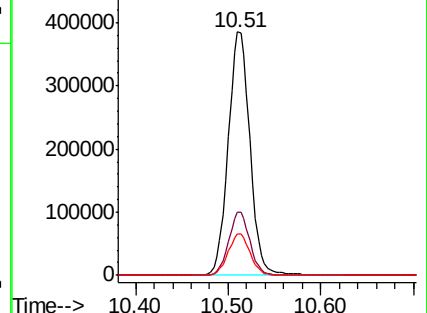
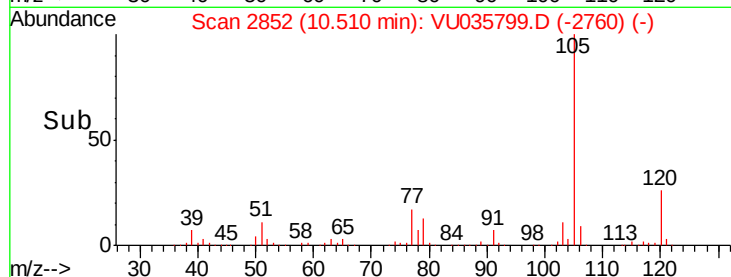
77 17.3 13.7 20.5



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: 5.046 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

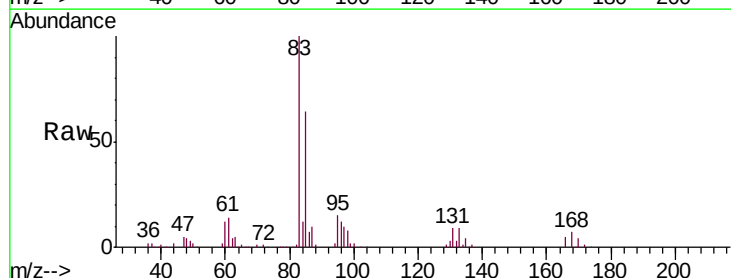
Tgt Ion: 83 Resp: 149025

Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

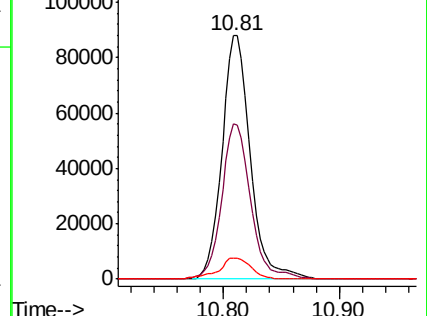
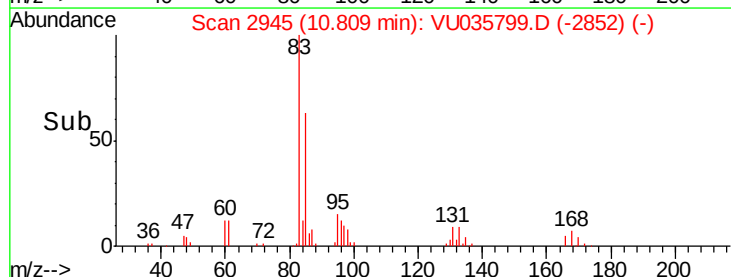
131 8.8 6.9 10.3

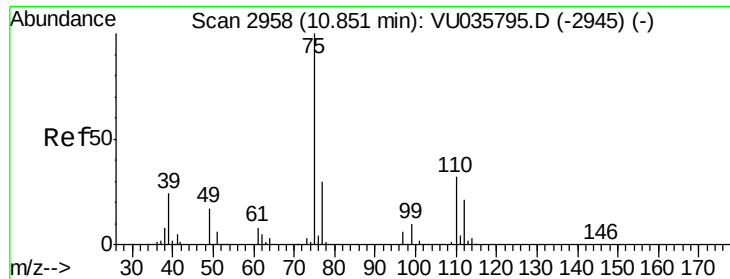


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.967 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

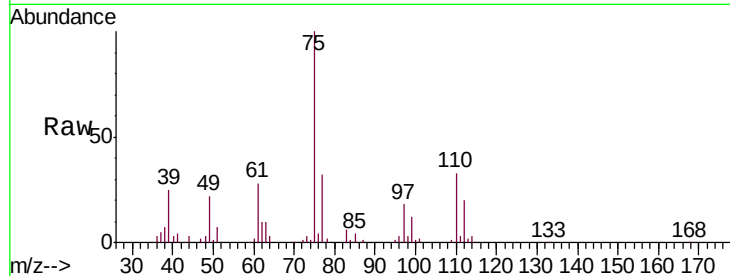
VSTD00527

Tgt Ion: 75 Resp: 105760

Ion Ratio Lower Upper

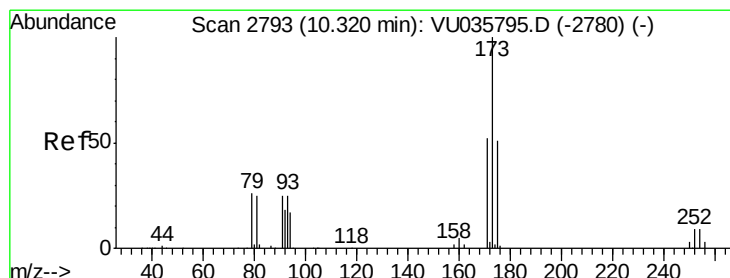
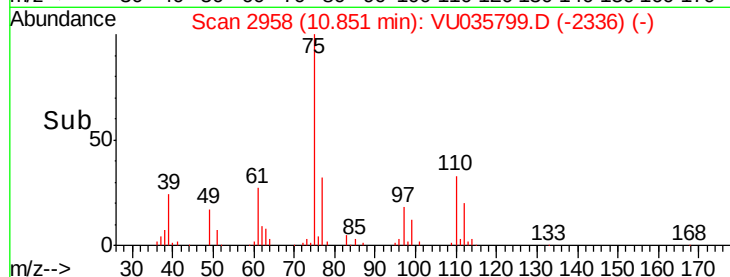
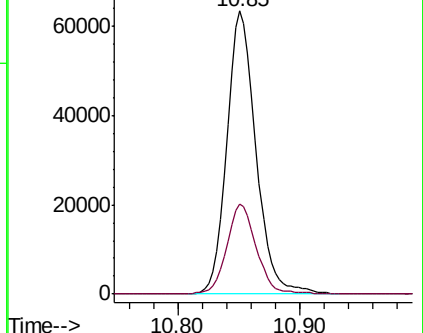
75 100

77 31.8 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) (-)



#61

Bromoform

Concen: 4.773 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

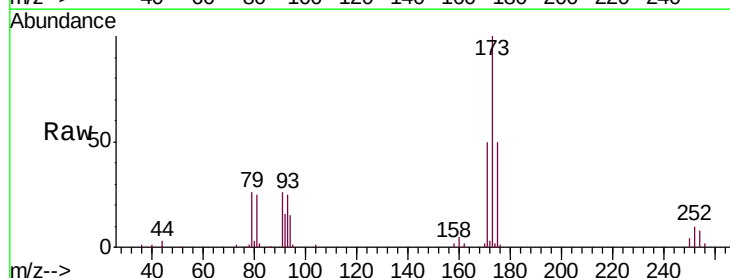
Tgt Ion: 173 Resp: 72973

Ion Ratio Lower Upper

173 100

175 47.9 40.1 60.1

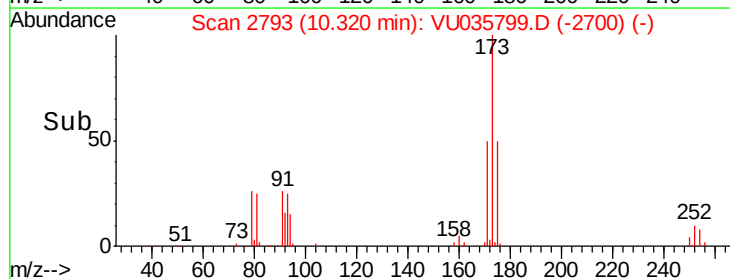
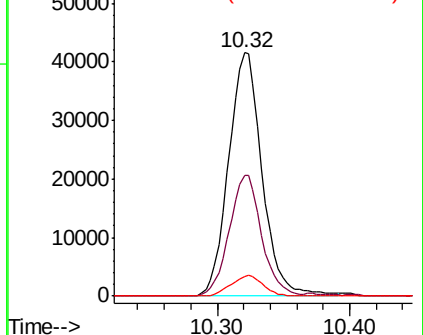
254 8.1 7.1 10.7

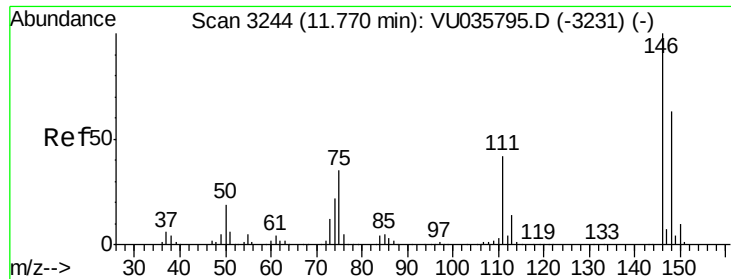


Abundance Ion 172.90 (172.60 to 173.60): VU035795.D (-2780) (-)

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

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

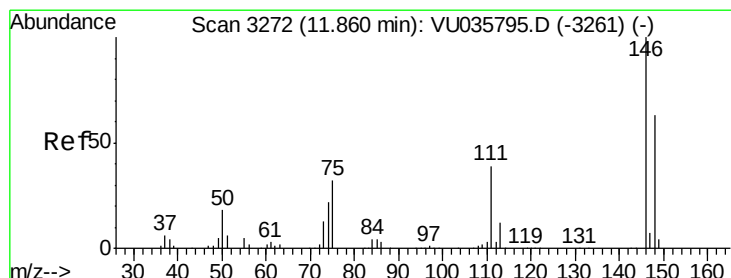
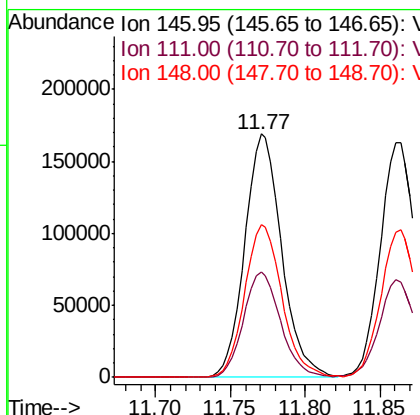
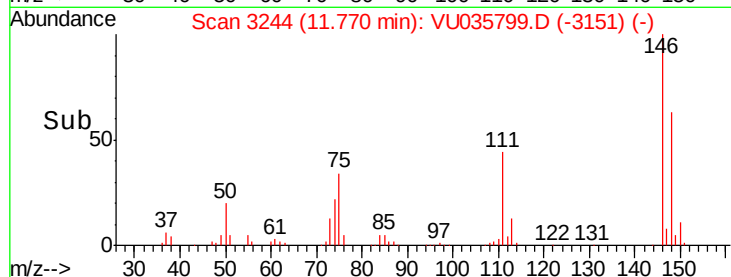
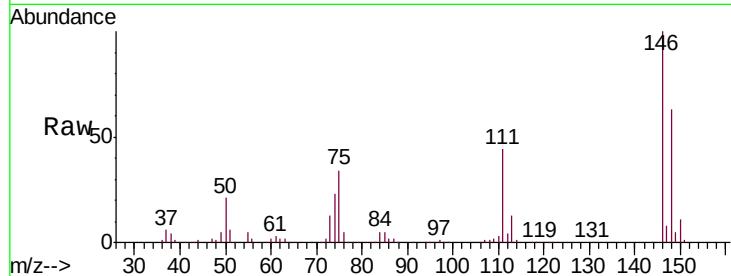




#62
 1,3-Dichlorobenzene
 Concen: 5.304 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

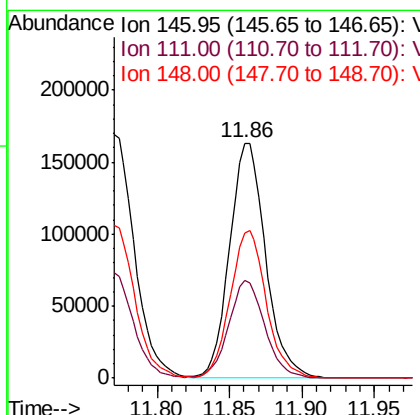
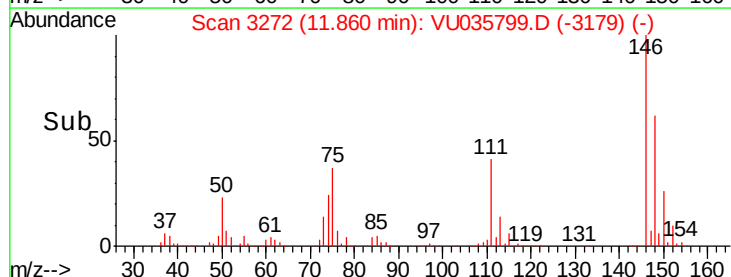
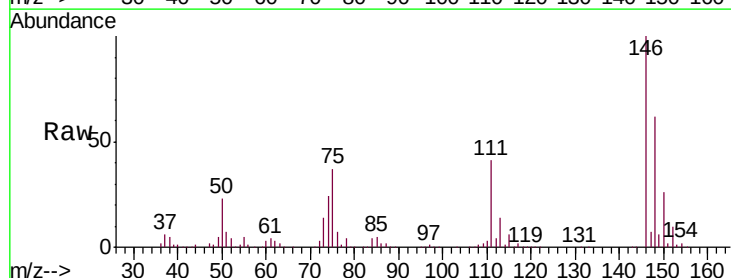
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

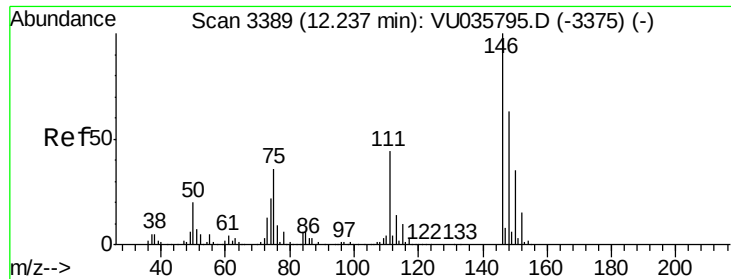
Tgt Ion:146 Resp: 289644
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.5 54.7
 148 62.8 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 5.221 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion:146 Resp: 280699
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.9 51.7
 148 61.6 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 5.255 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

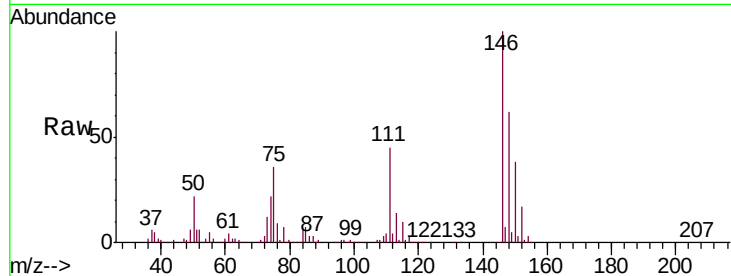
Tgt Ion: 146 Resp: 273808

Ion Ratio Lower Upper

146 100

111 44.6 35.4 53.0

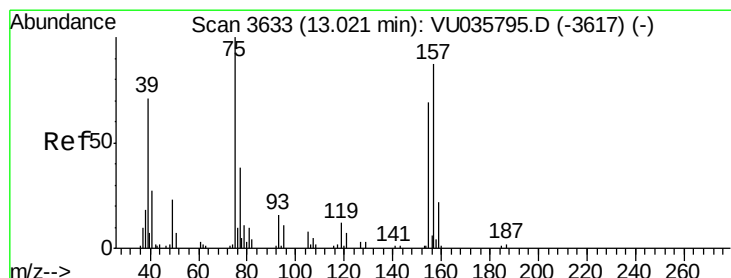
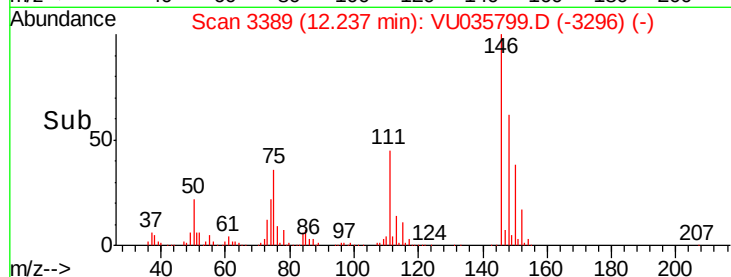
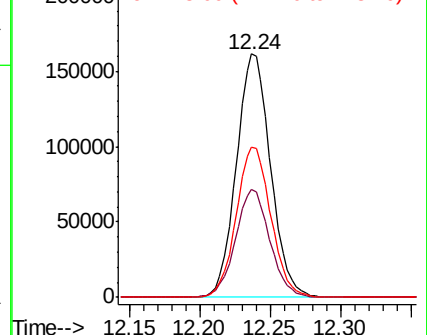
148 61.8 50.8 76.2



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: 4.756 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

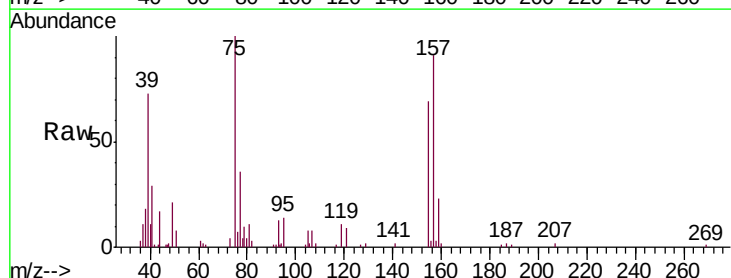
Tgt Ion: 75 Resp: 20507

Ion Ratio Lower Upper

75 100

155 69.2 55.4 83.2

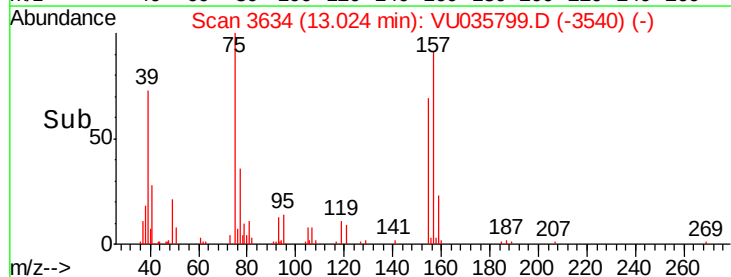
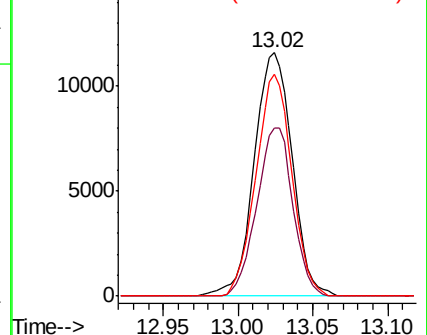
157 90.9 69.4 104.2

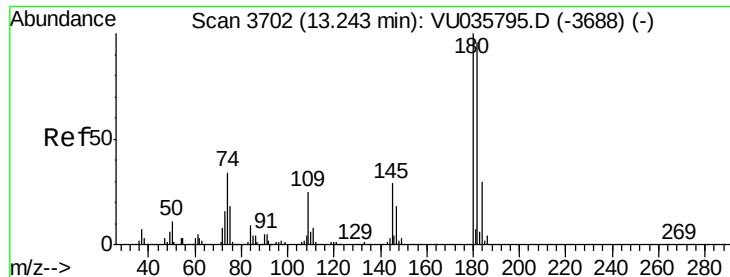


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

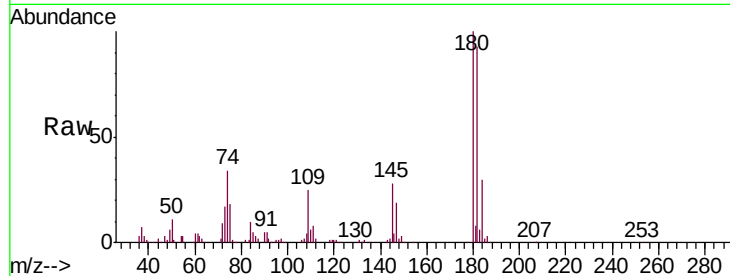




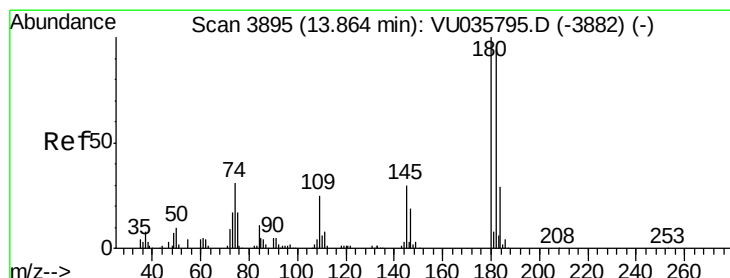
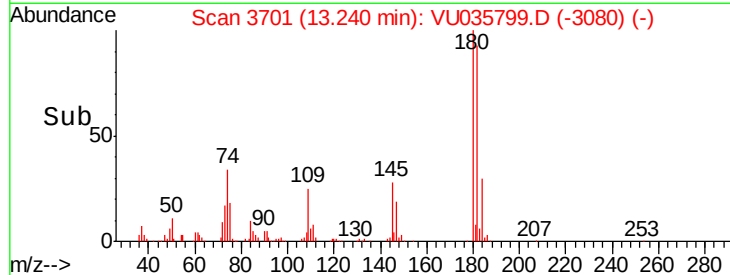
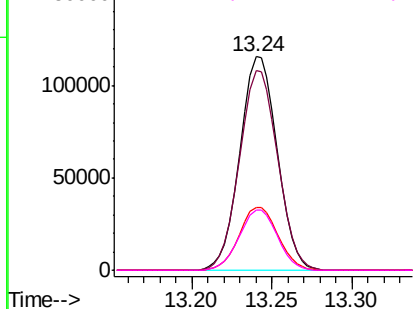
#67
 1,3,5-Trichlorobenzene
 Concen: 5.599 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:	180	Resp:	183727
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.6	113.4
184	30.6	24.1	36.1
145	28.9	23.7	35.5

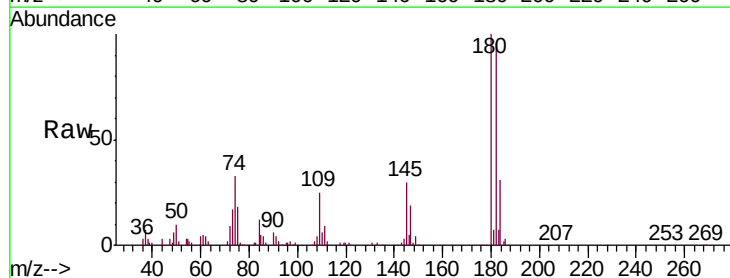


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

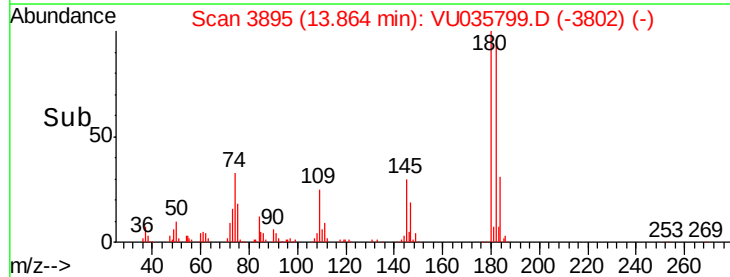
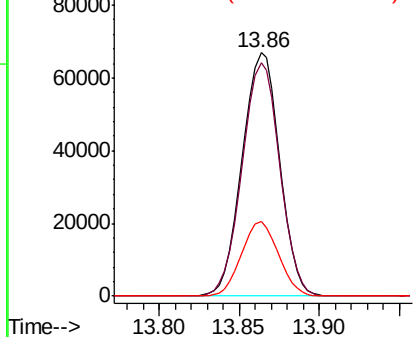


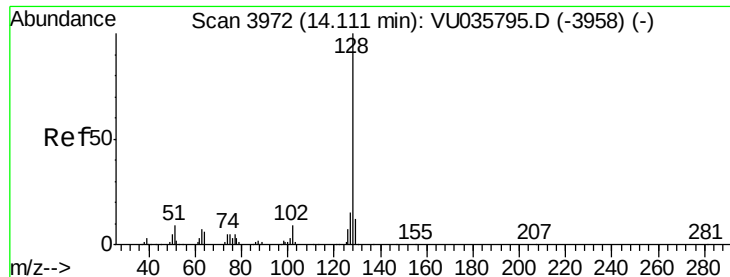
#68
 1,2,4-trichlorobenzene
 Concen: 5.646 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035799.D
 Acq: 21 Nov 2019 12:56

Tgt Ion:	180	Resp:	106481
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.1	112.7
145	30.2	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: 5.263 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

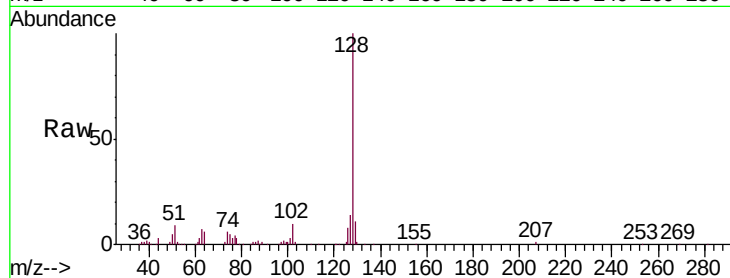
Tgt Ion:128 Resp: 139766

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

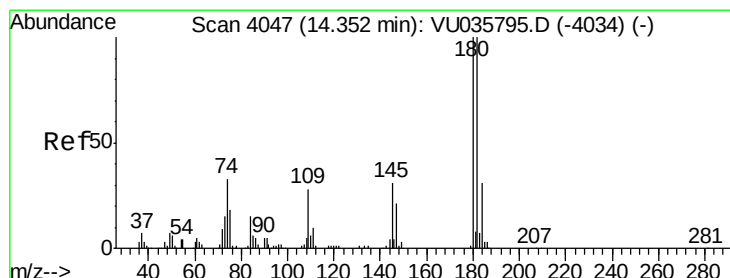
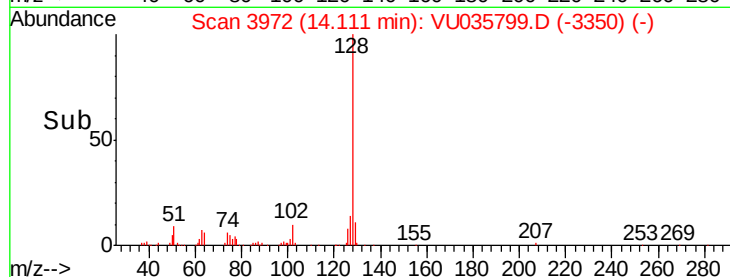
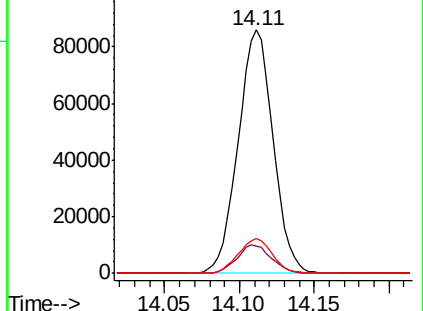
127 13.9 11.8 17.6



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: 5.804 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035799.D

Acq: 21 Nov 2019 12:56

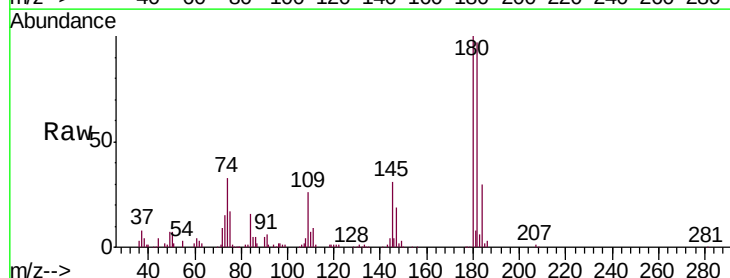
Tgt Ion:180 Resp: 106454

Ion Ratio Lower Upper

180 100

182 97.1 77.4 116.0

145 31.8 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

