

Data File : VU035844.D
Acq On : 26 Nov 2019 00:11
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Nov 26 01:09:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258971	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	284345	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	159353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	140849	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	134012	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	243091	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.69	46	500538	63.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.86%
24) Chloroform-d	5.11	84	286101	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.75	65	158281	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.77	84	526195	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.73	67	181367	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.93	98	486093	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.21	79	70076	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.68	63	428043	74.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	149.74%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	169264	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	167991	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	151438	4.316	ug/L 100
3) Chloromethane	1.54	50	191680	4.437	ug/L 98
5) Vinyl chloride	1.62	62	199722	4.619	ug/L 93
6) Bromomethane	1.87	94	105568	4.750	ug/L 97
8) Chloroethane	1.95	64	118921	4.753	ug/L 97
9) Trichlorofluoromethane	2.16	101	231707	4.614	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	124602	4.368	ug/L 95
12) 1,1-Dichloroethene	2.61	96	116309	4.316	ug/L 93
13) Acetone	2.67	43	294092	42.771	ug/L 97
14) Carbon disulfide	2.82	76	371724	4.153	ug/L 99
15) Methyl Acetate	2.99	43	69954	5.075	ug/L 100
16) Methylene chloride	3.08	84	173465	5.329	ug/L 99
17) Methyl tert-butyl Ether	3.42	73	317017	4.862	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	122871	4.631	ug/L 99
19) 1,1-Dichloroethane	3.92	63	274707	4.608	ug/L 98
21) 2-Butanone	4.77	43	478818	55.030	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	143071	4.839	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62647	4.863	ug/L	98
25) Chloroform	5.14	83	267777	4.616	ug/L	100
27) 1,2-Dichloroethane	5.84	62	184231	4.829	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	216457	4.714	ug/L	99
30) Cyclohexane	5.43	56	211148	4.706	ug/L	99
31) Carbon tetrachloride	5.57	117	188932	4.752	ug/L	99
33) Benzene	5.82	78	575756	4.851	ug/L	100
34) Trichloroethene	6.58	95	199314	6.849	ug/L	98
35) Methylcyclohexane	6.80	83	196631	4.604	ug/L	98
37) 1,2-Dichloropropane	6.83	63	160073	4.755	ug/L	99
38) Bromodichloromethane	7.15	83	192065	4.760	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	209464	4.807	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	1133845	54.862	ug/L	100
42) Toluene	8.00	91	593137	4.804	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	177648	4.916	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	109256	4.981	ug/L	97
47) Tetrachloroethene	8.58	164	100480	4.537	ug/L	98
48) 2-Hexanone	8.73	43	865686	56.894	ug/L	95
49) Dibromochloromethane	8.84	129	129083	4.988	ug/L	100
50) 1,2-Dibromoethane	8.96	107	103192	5.141	ug/L	98
51) Chlorobenzene	9.48	112	353262	4.619	ug/L	96
52) Ethylbenzene	9.60	91	587279	4.600	ug/L	99
53) m,p-Xylene	9.72	106	218855	4.862	ug/L	95
54) o-Xylene	10.13	106	211105	4.829	ug/L	99
55) Styrene	10.14	104	366494	5.055	ug/L	98
56) Isopropylbenzene	10.51	105	554966	4.806	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	154582	5.093	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	111625	5.100	ug/L	99
61) Bromoform	10.32	173	74044	4.625	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	268698	4.698	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	261873	4.651	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	264561	4.848	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	23031	5.101	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	181504	5.281	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	105929	5.363	ug/L	98
69) Naphthalene	14.11	128	118242	4.251	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	104044	5.416	ug/L	99

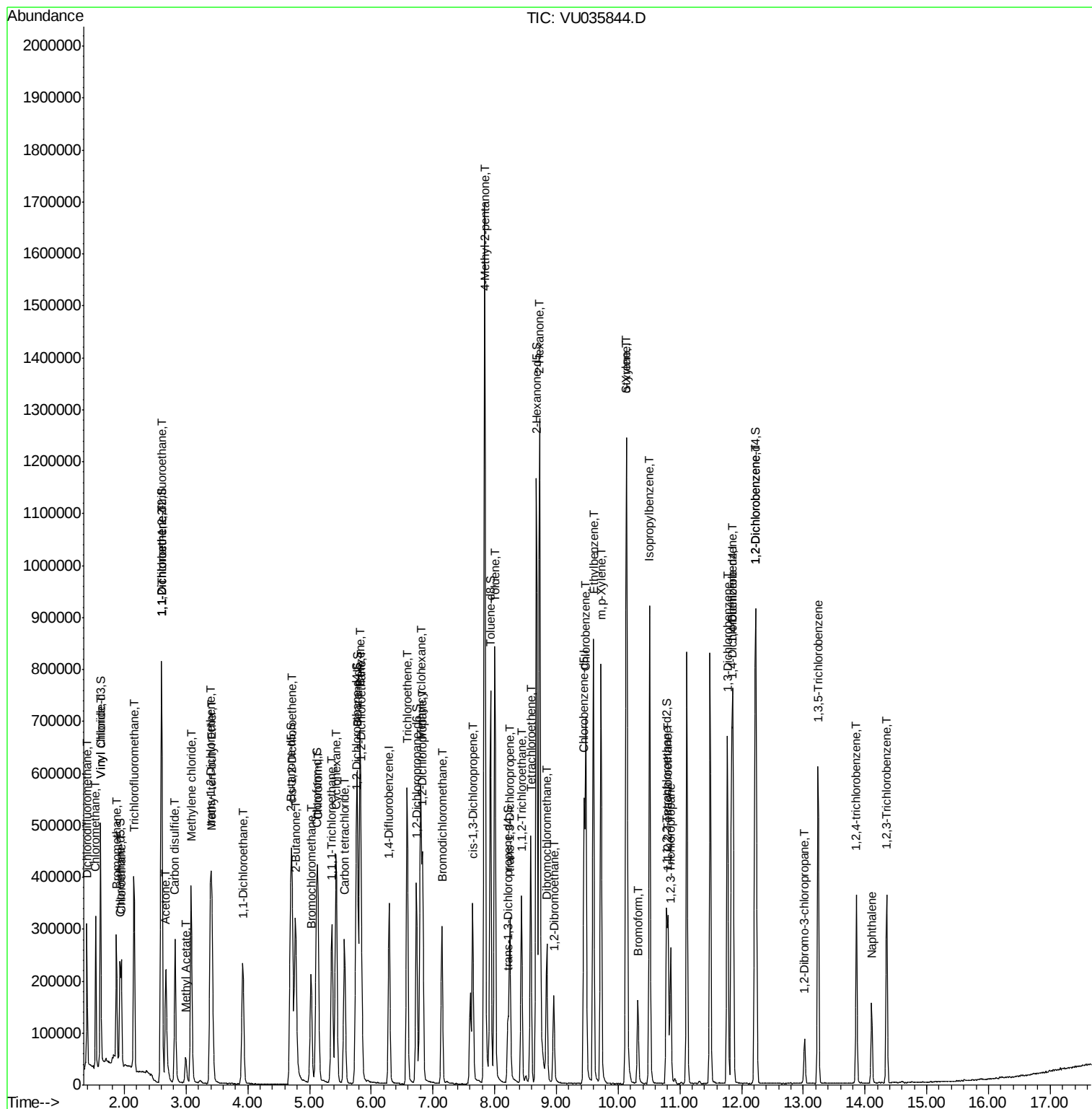
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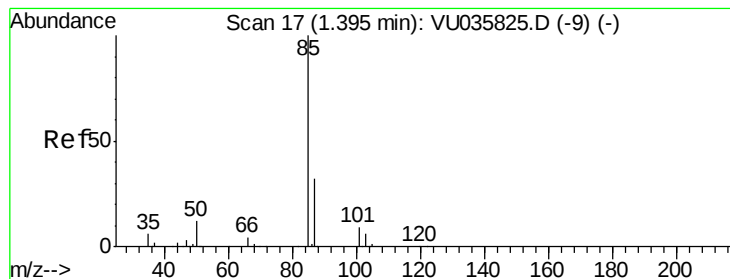
Data File : VU035844.D

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#2

Dichlorodifluoromethane

Concen: 4.316 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

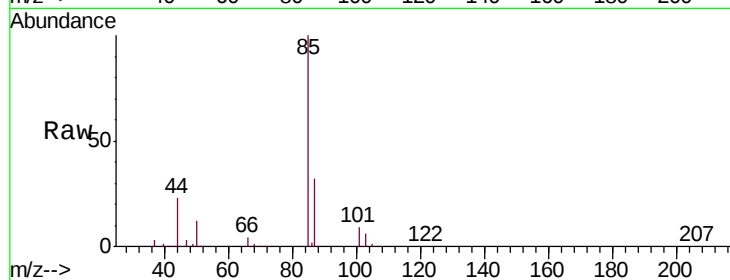
VSTD00509

Tgt Ion: 85 Resp: 151438

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035825.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035825.D (-9) (-)

1.39

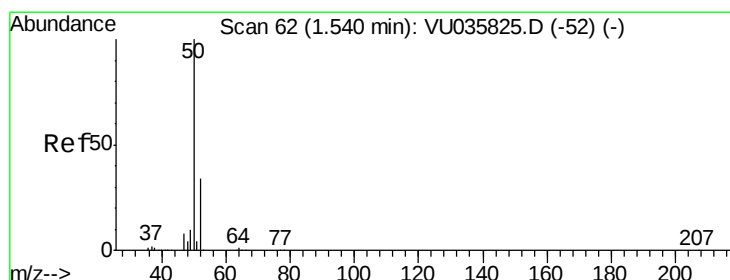
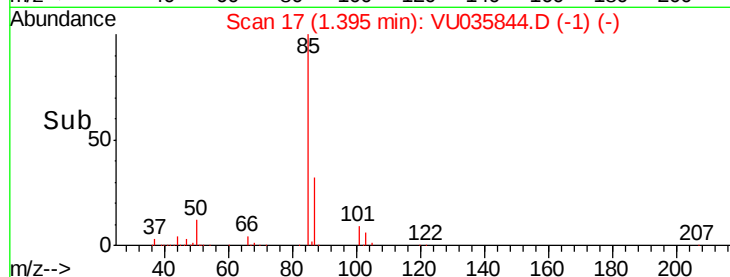
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.437 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035844.D

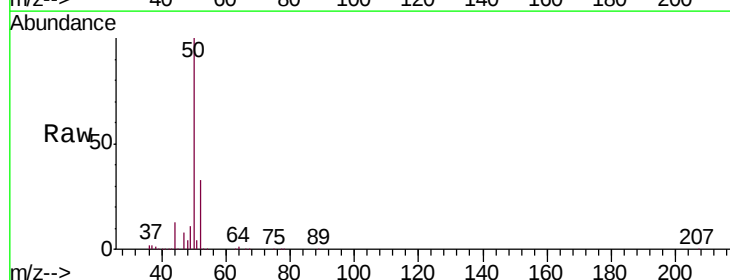
Acq: 26 Nov 2019 00:11

Tgt Ion: 50 Resp: 191680

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035825.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035825.D (-52) (-)

1.54

200000

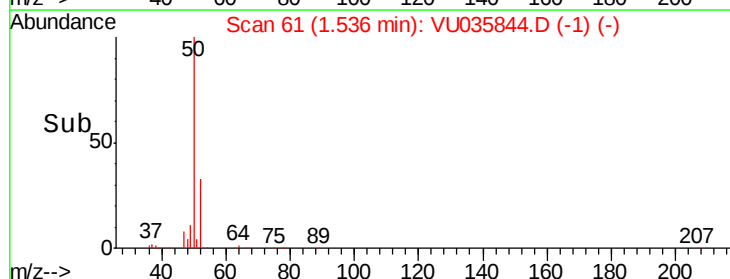
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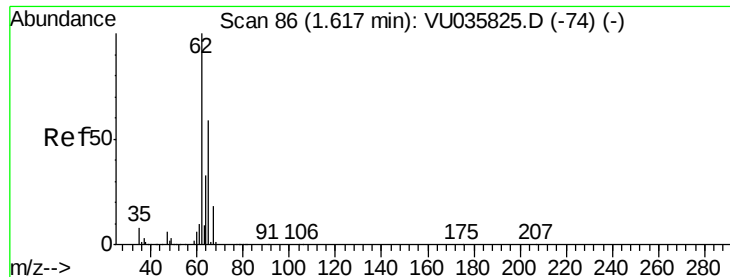
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.619 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

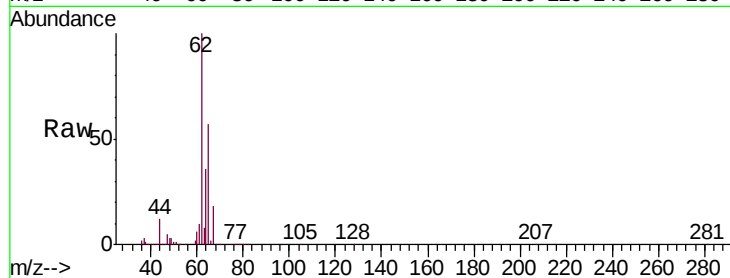
VSTD00509

Tgt Ion: 62 Resp: 199722

Ion Ratio Lower Upper

62 100

64 36.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035825.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU035825.D (-74) (-)

1.62

200000

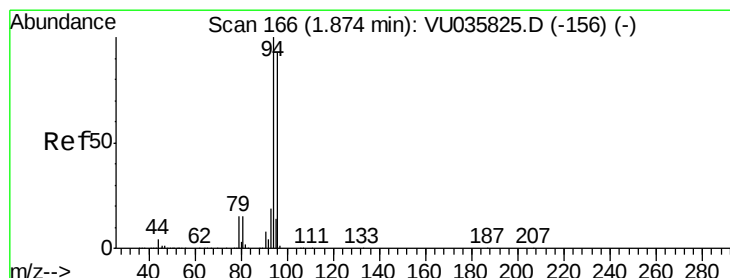
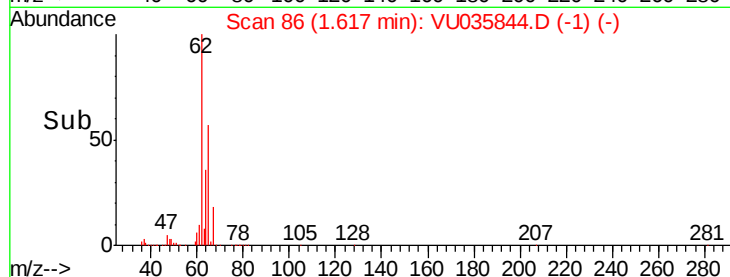
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.750 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035844.D

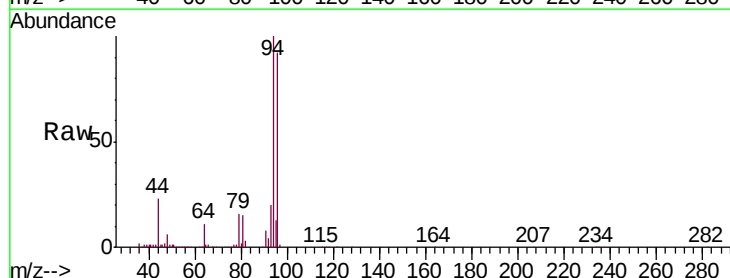
Acq: 26 Nov 2019 00:11

Tgt Ion: 94 Resp: 105568

Ion Ratio Lower Upper

94 100

96 91.8 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035825.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035825.D (-156) (-)

1.87

100000

80000

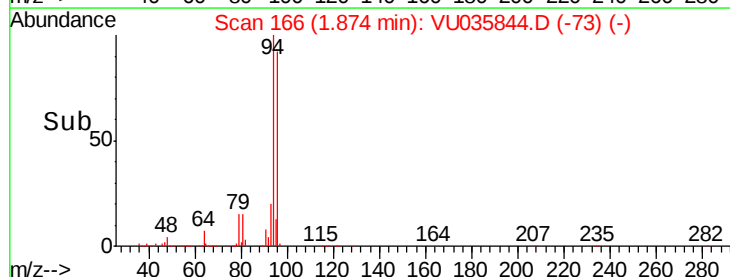
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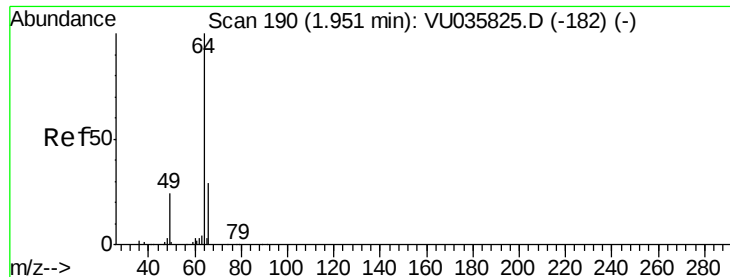
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.753 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

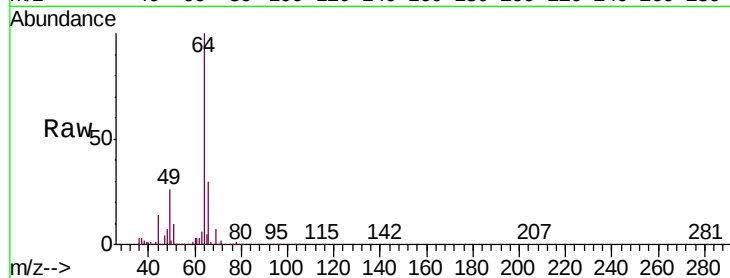
VSTD00509

Tgt Ion: 64 Resp: 118921

Ion Ratio Lower Upper

64 100

66 30.1 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035825.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035825.D (-182) (-)

1.95

100000

80000

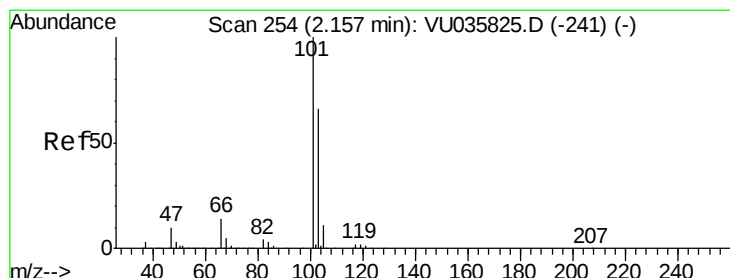
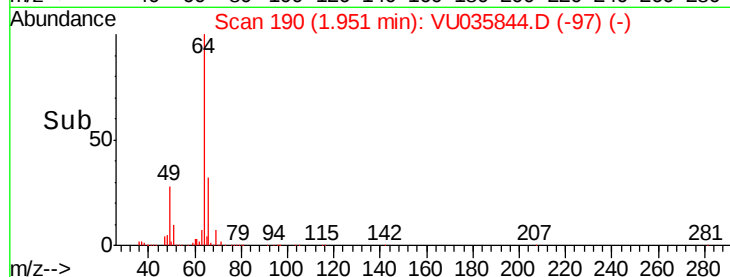
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.614 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035844.D

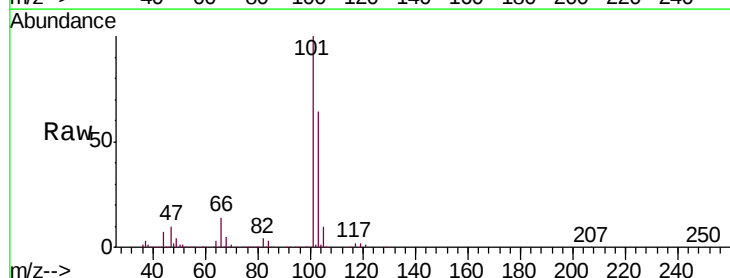
Acq: 26 Nov 2019 00:11

Tgt Ion: 101 Resp: 231707

Ion Ratio Lower Upper

101 100

103 63.6 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035825.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU035825.D (-241) (-)

2.16

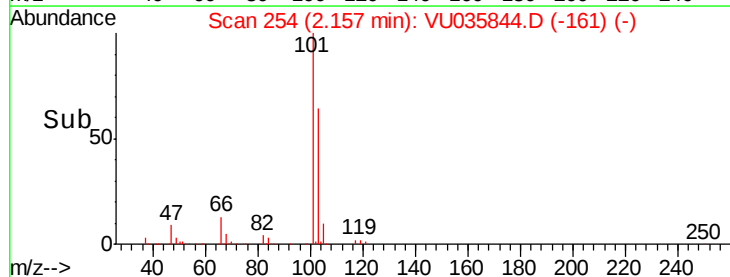
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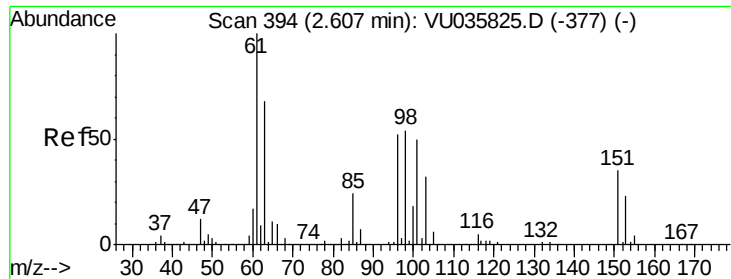
100000

50000

0

Time-->





#10

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

Concen: 4.368 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

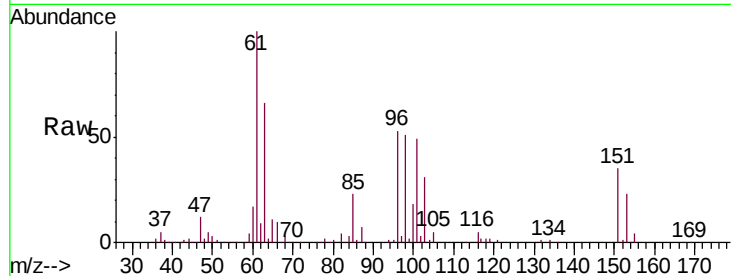
Tgt Ion: 101 Resp: 124602

Ion Ratio Lower Upper

101 100

85 45.9 38.1 57.1

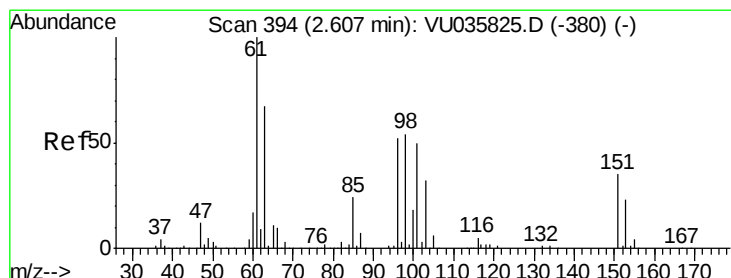
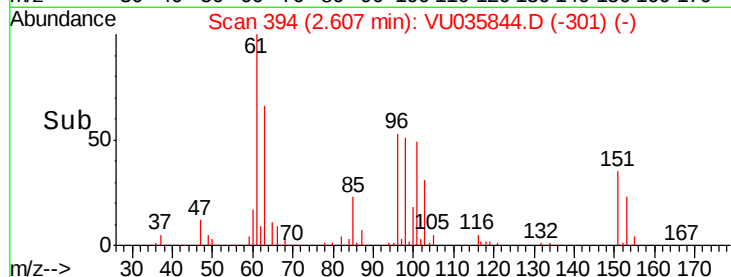
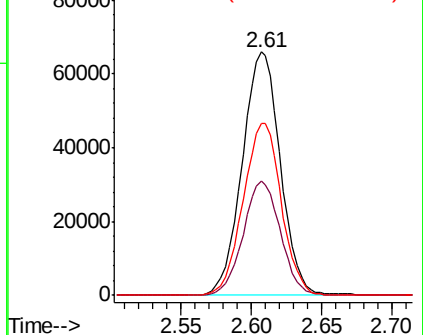
151 70.9 52.0 78.0



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: 4.316 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

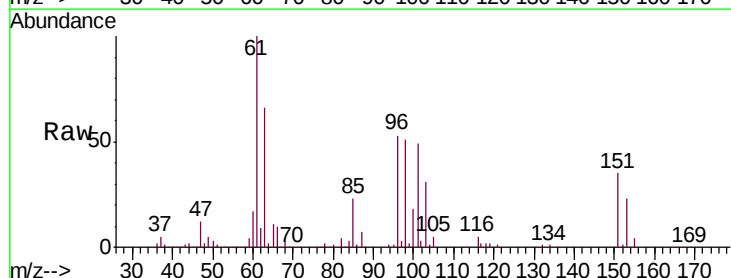
Tgt Ion: 96 Resp: 116309

Ion Ratio Lower Upper

96 100

61 189.6 139.3 258.7

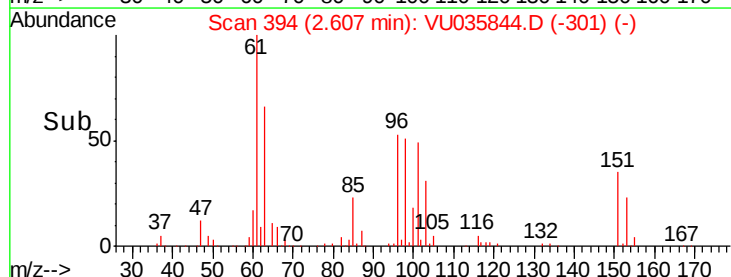
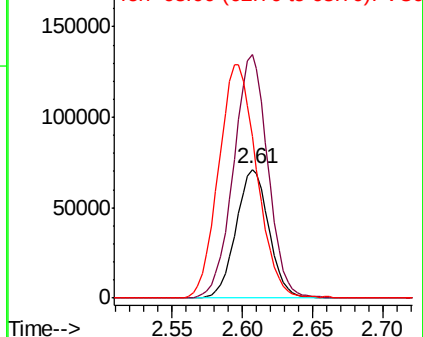
63 125.5 93.7 174.1

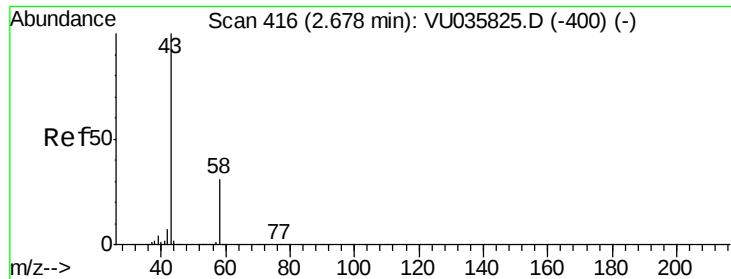


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.771 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

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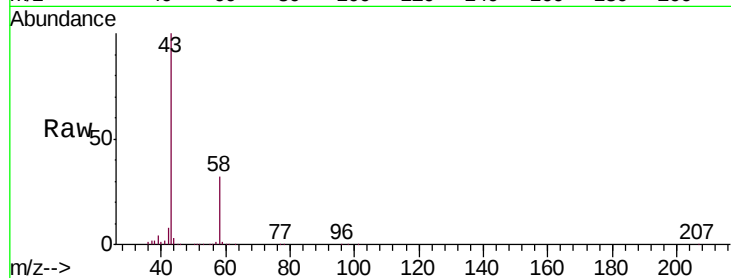
VSTD00509

Tgt Ion: 43 Resp: 294092

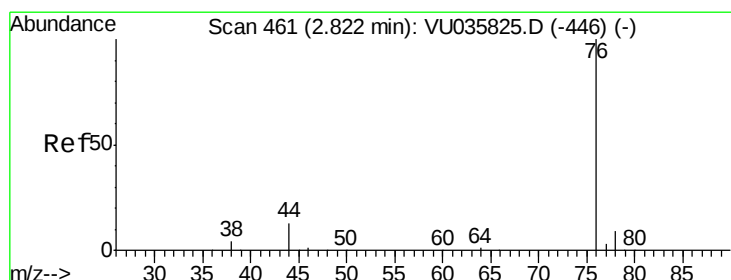
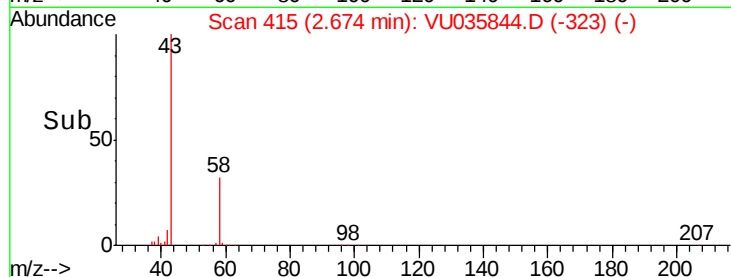
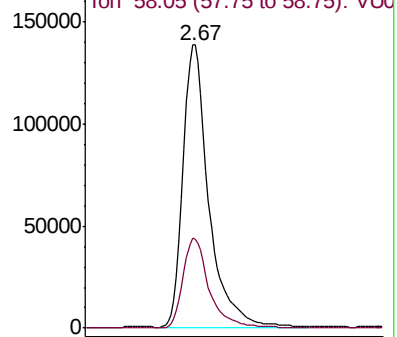
Ion Ratio Lower Upper

43 100

58 32.3 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-400) (-)



#14

Carbon disulfide

Concen: 4.153 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035844.D

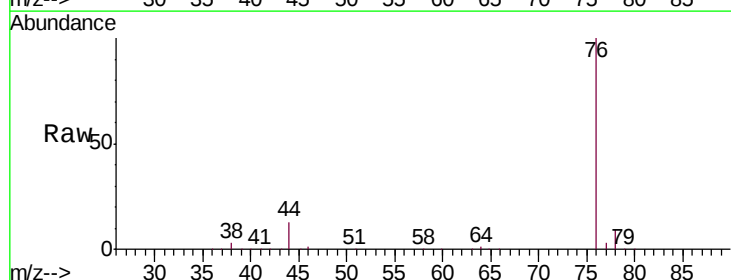
Acq: 26 Nov 2019 00:11

Tgt Ion: 76 Resp: 371724

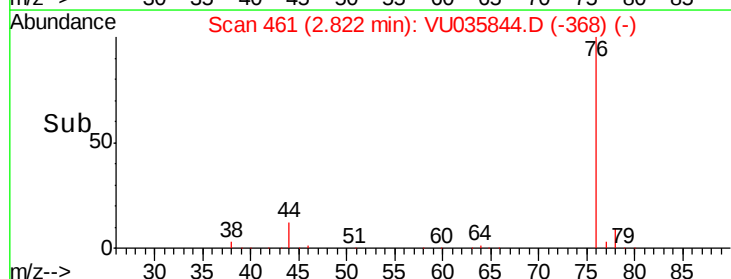
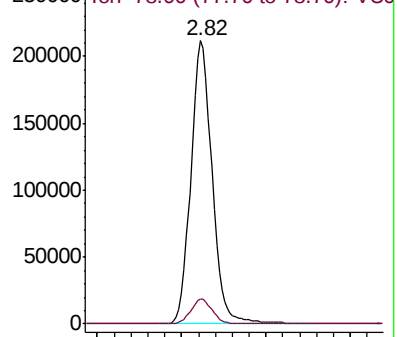
Ion Ratio Lower Upper

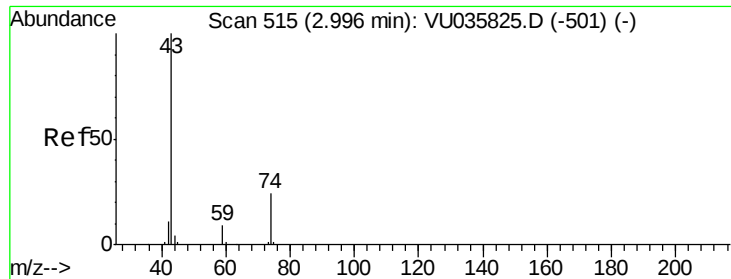
76 100

78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035825.D (-446) (-)

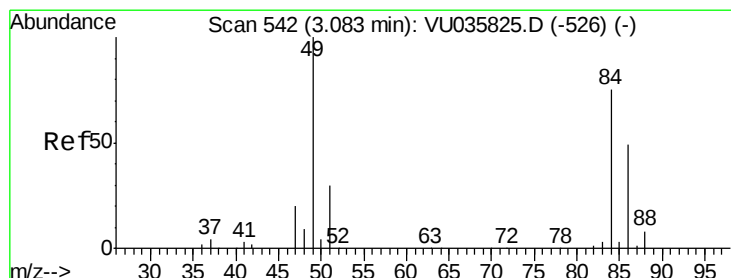
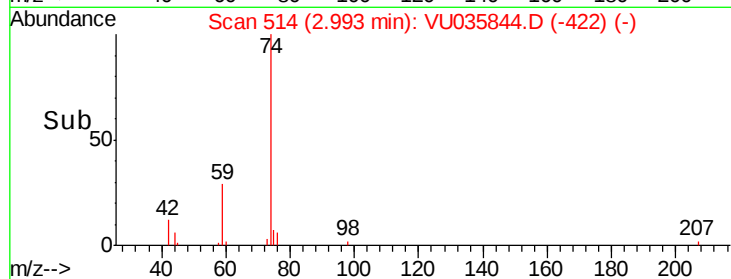
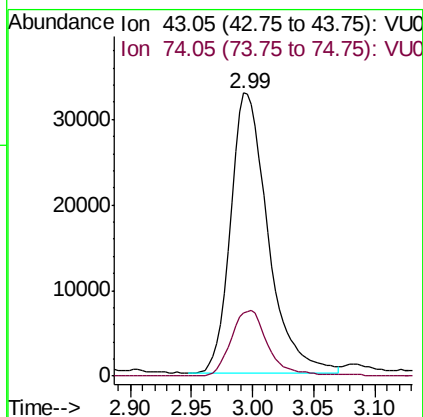
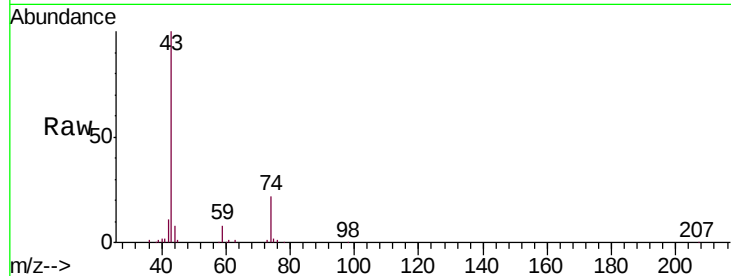




#15
Methyl Acetate
Concen: 5.075 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

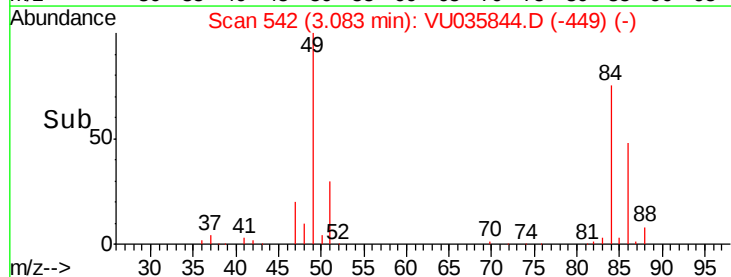
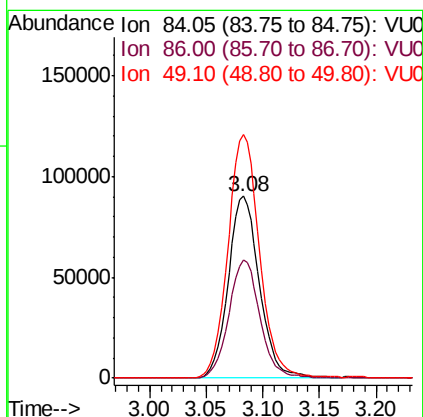
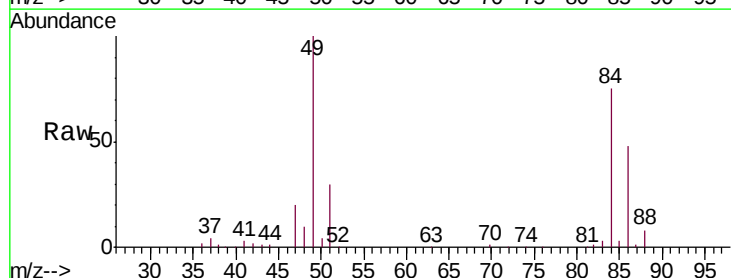
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

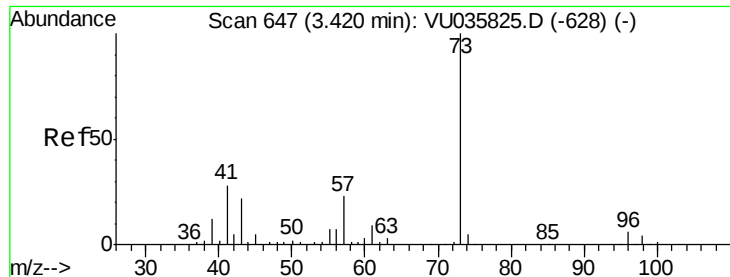
Tgt Ion: 43 Resp: 69954
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#16
Methylene chloride
Concen: 5.329 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion: 84 Resp: 173465
Ion Ratio Lower Upper
84 100
86 64.6 44.4 82.5
49 133.8 94.0 174.6

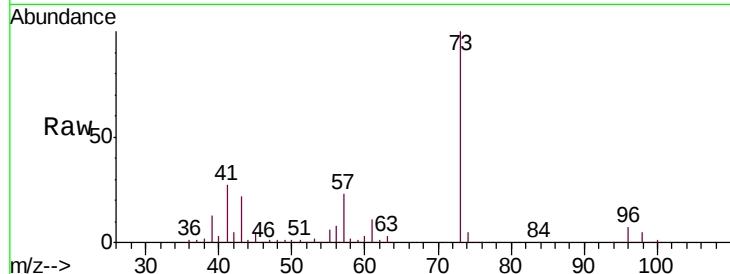




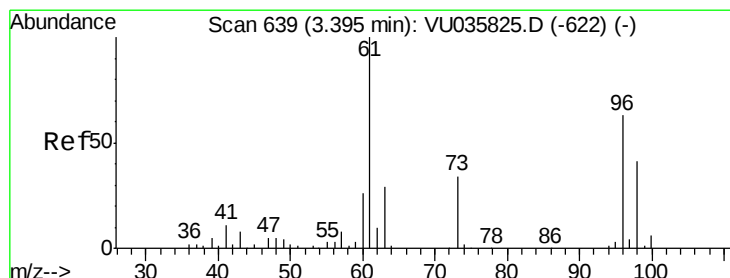
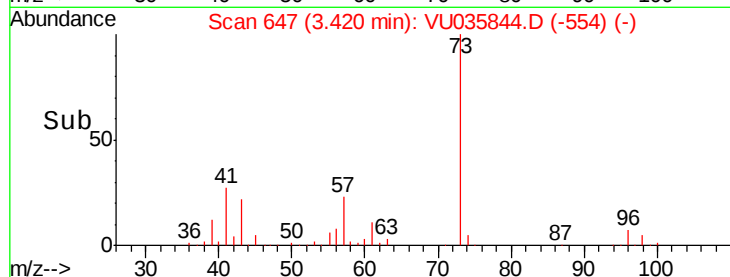
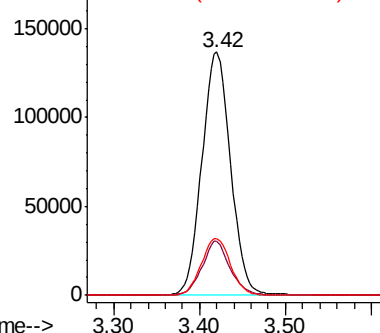
#17
Methyl tert-butyl Ether
Concen: 4.862 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion: 73 Resp: 317017
Ion Ratio Lower Upper
73 100
43 21.2 17.4 26.2
57 23.9 19.4 29.0

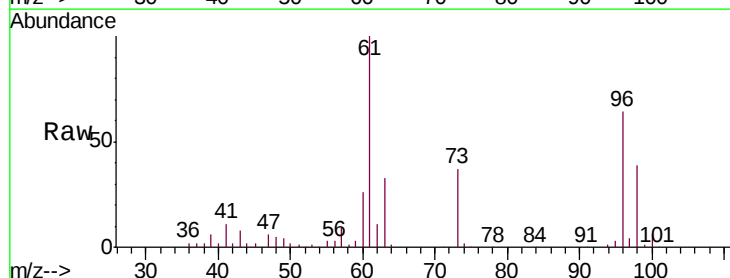


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

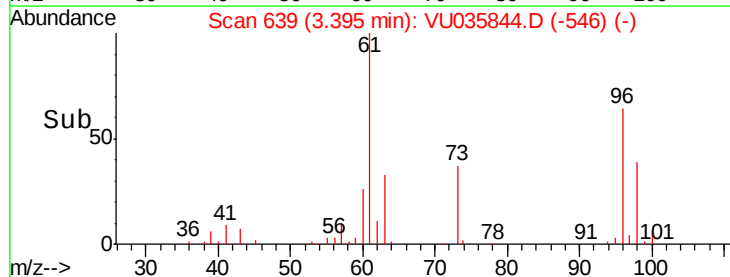
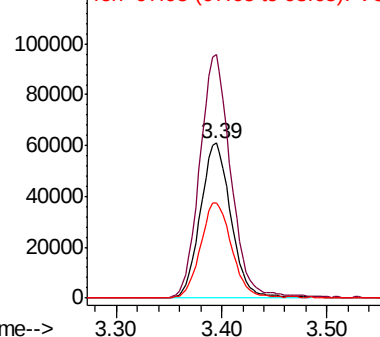


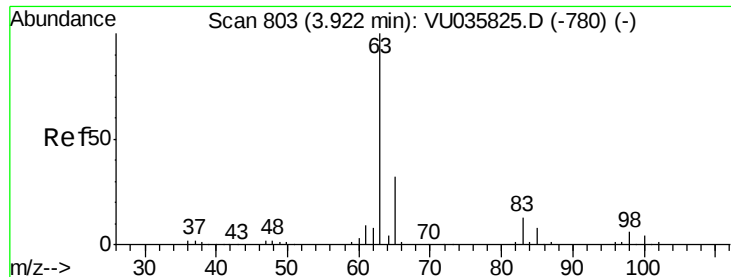
#18
trans-1,2-Dichloroethene
Concen: 4.631 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion: 96 Resp: 122871
Ion Ratio Lower Upper
96 100
61 157.3 111.1 206.3
98 61.9 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

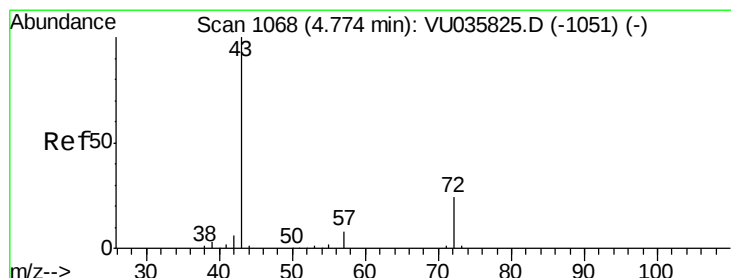
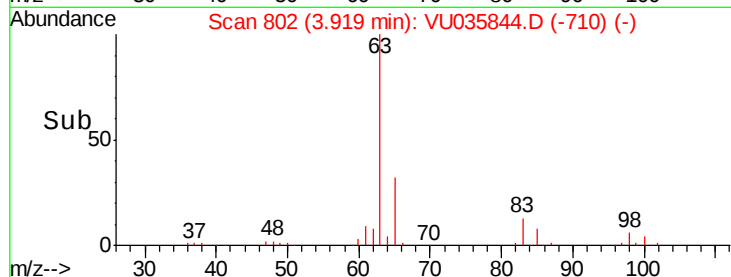
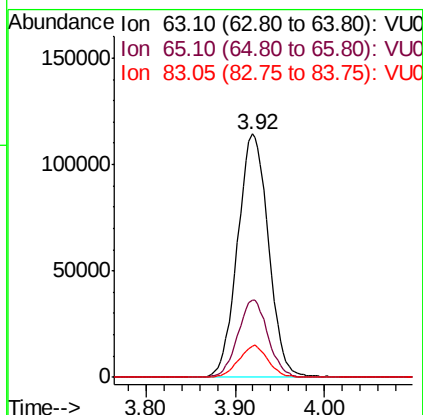
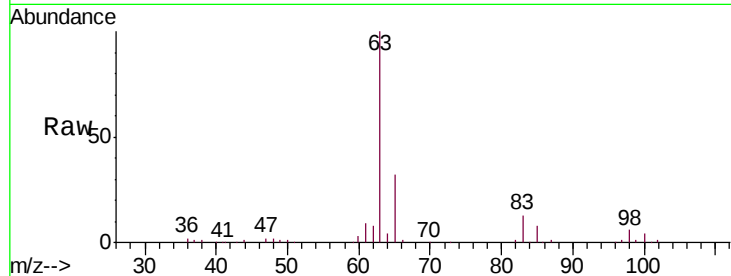




#19
 1,1-Dichloroethane
 Concen: 4.608 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

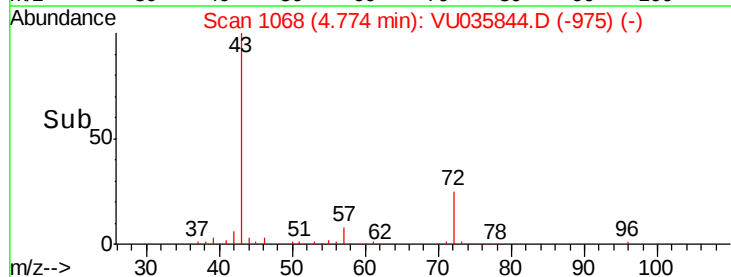
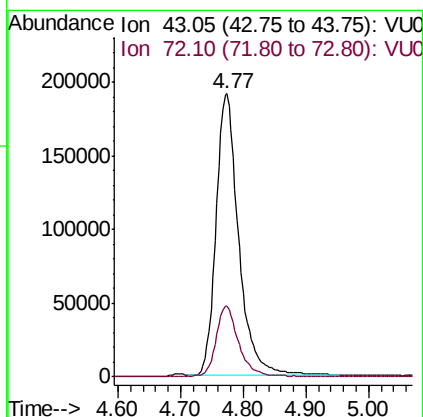
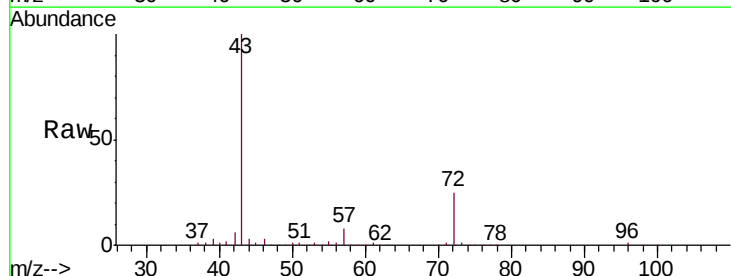
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00509

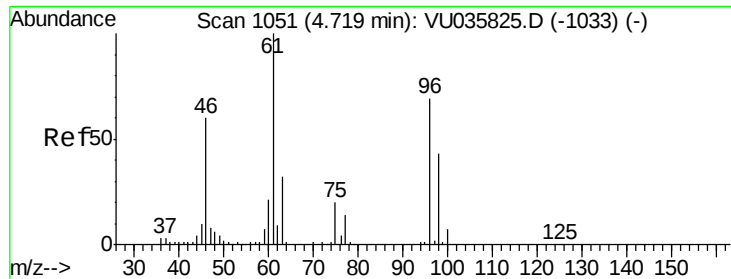
Tgt Ion: 63 Resp: 274707
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 12.9 8.6 16.0



#21
 2-Butanone
 Concen: 55.030 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion: 43 Resp: 478818
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 4.839 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

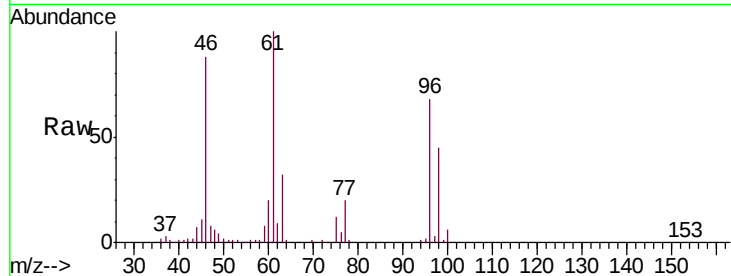
Tgt Ion: 96 Resp: 143071

Ion Ratio Lower Upper

96 100

61 148.1 98.1 182.1

68 0.0 0.0 0.0

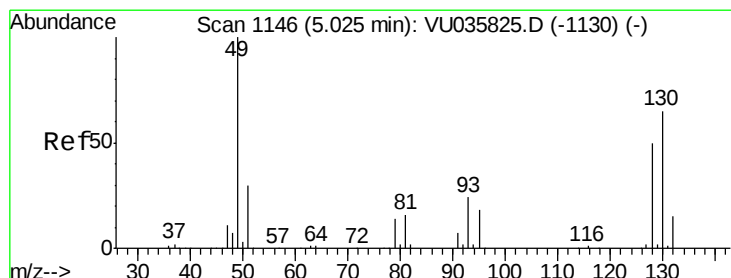
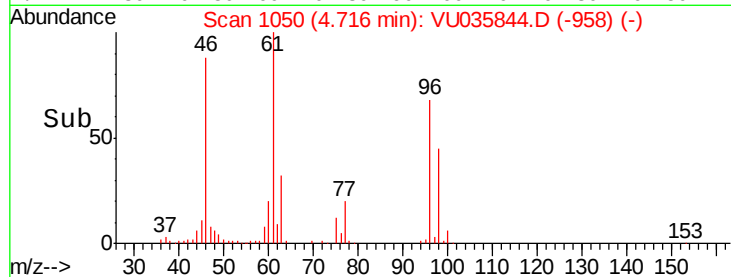
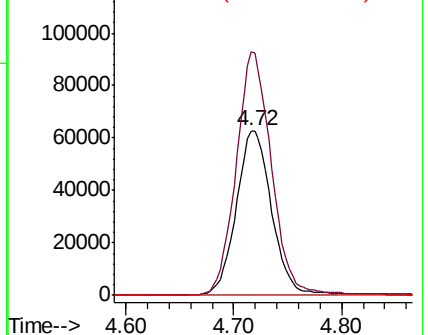


Abundance

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: 4.863 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Tgt Ion: 128 Resp: 62647

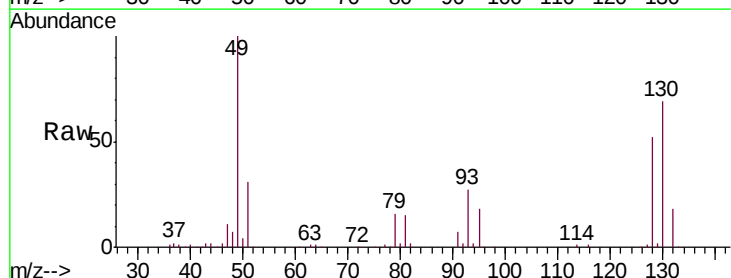
Ion Ratio Lower Upper

128 100

49 192.9 133.8 248.6

130 133.2 91.1 169.1

51 60.7 46.5 69.7



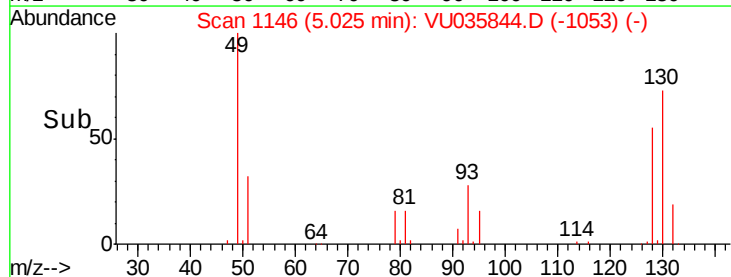
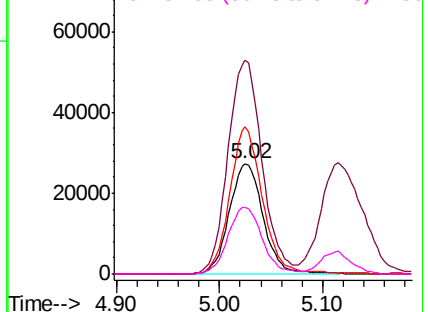
Abundance

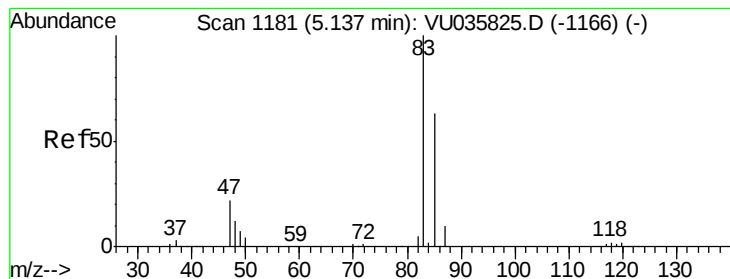
Ion 127.90 (127.60 to 128.60): V

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: 4.616 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

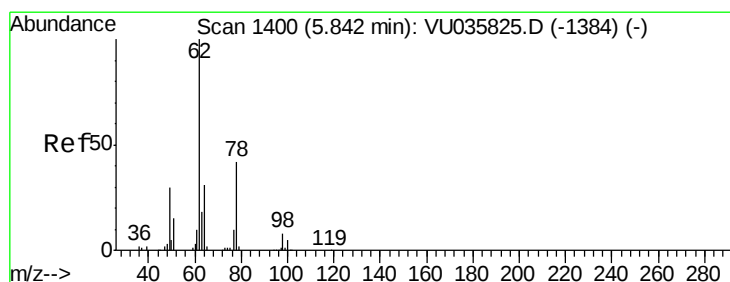
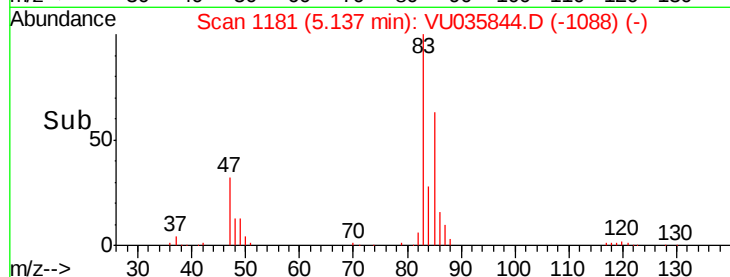
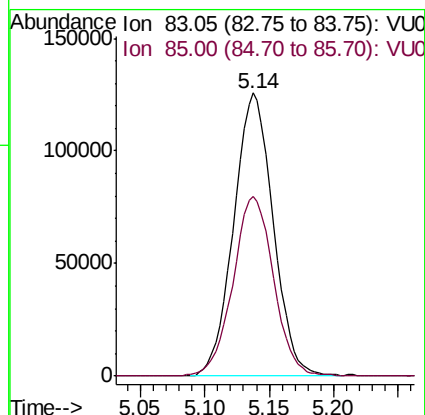
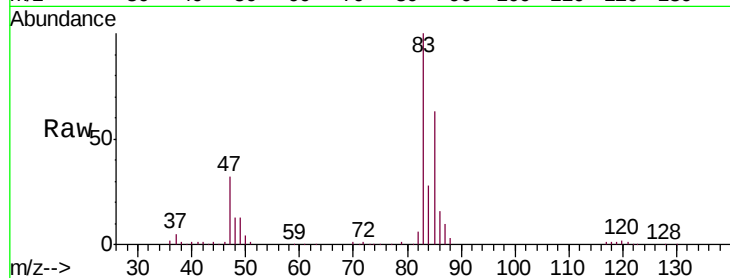
VSTD00509

Tgt Ion: 83 Resp: 267777

Ion Ratio Lower Upper

83 100

85 63.4 44.6 82.8



#27

1,2-Dichloroethane

Concen: 4.829 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035844.D

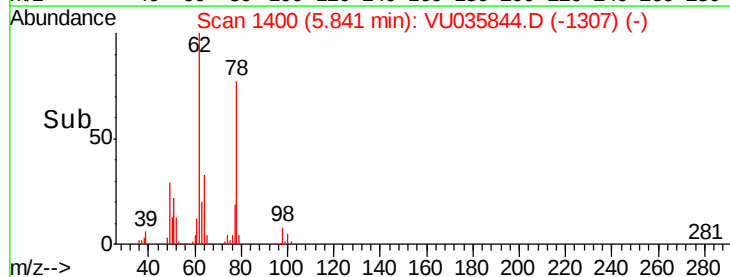
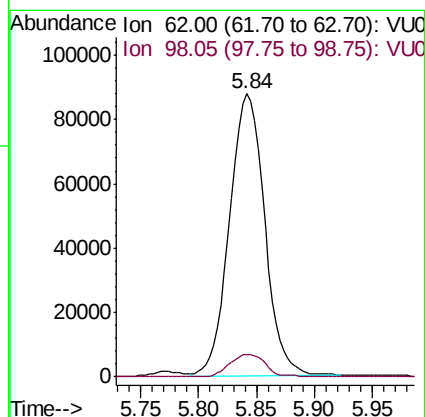
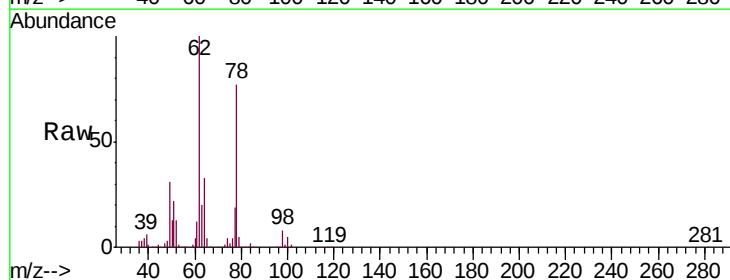
Acq: 26 Nov 2019 00:11

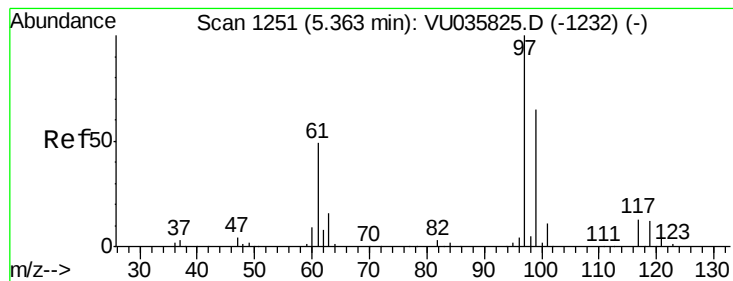
Tgt Ion: 62 Resp: 184231

Ion Ratio Lower Upper

62 100

98 8.1 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 4.714 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

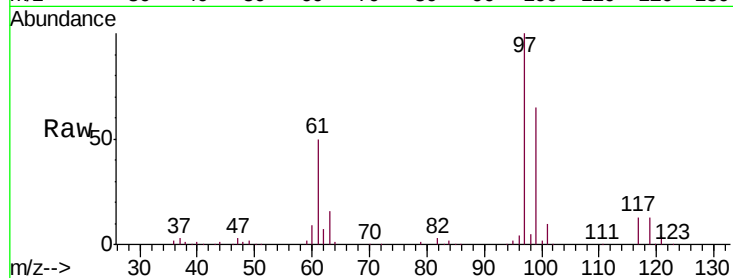
Tgt Ion: 97 Resp: 216457

Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

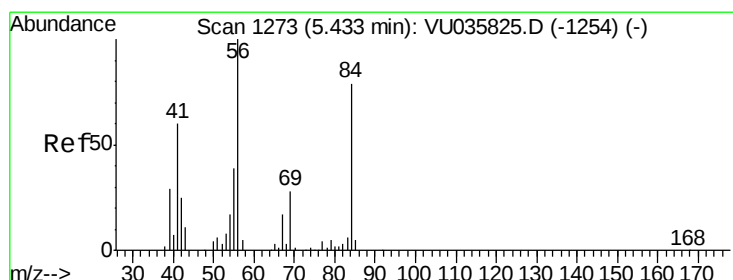
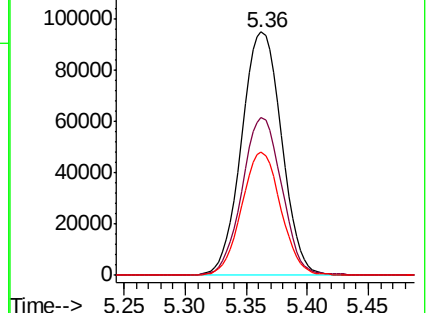
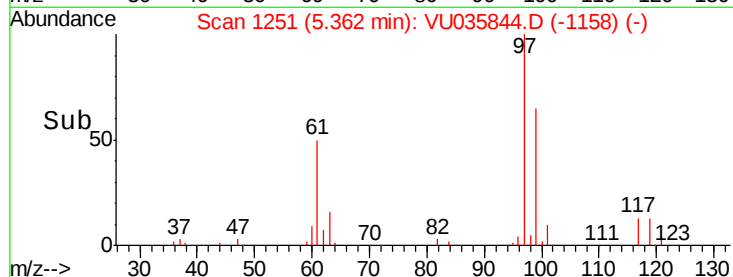
61 49.4 40.3 60.5



Abundance Ion 96.95 (96.65 to 97.65): VU035825.D (-1232) (-)

Ion 99.05 (98.75 to 99.75): VU035825.D (-1232) (-)

Ion 61.05 (60.75 to 61.75): VU035825.D (-1232) (-)



#30

Cyclohexane

Concen: 4.706 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

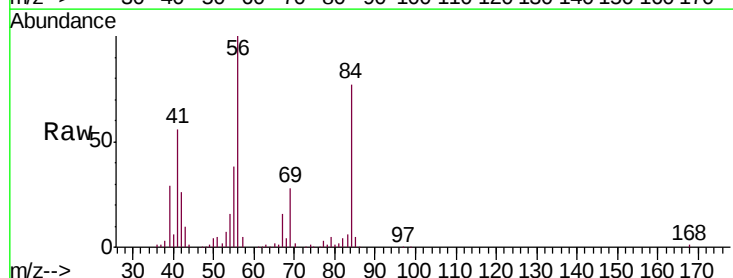
Tgt Ion: 56 Resp: 211148

Ion Ratio Lower Upper

56 100

69 28.2 24.0 36.0

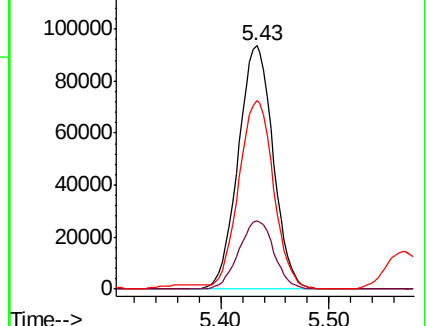
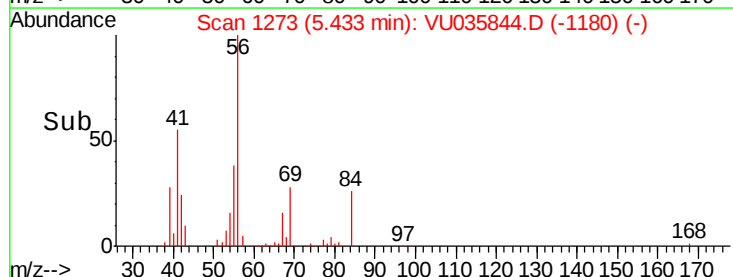
84 77.2 62.1 93.1

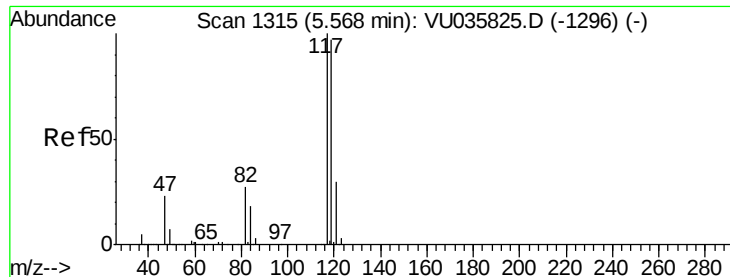


Abundance Ion 56.10 (55.80 to 56.80): VU035825.D (-1254) (-)

Ion 69.15 (68.85 to 69.85): VU035825.D (-1254) (-)

Ion 84.15 (83.85 to 84.85): VU035825.D (-1254) (-)

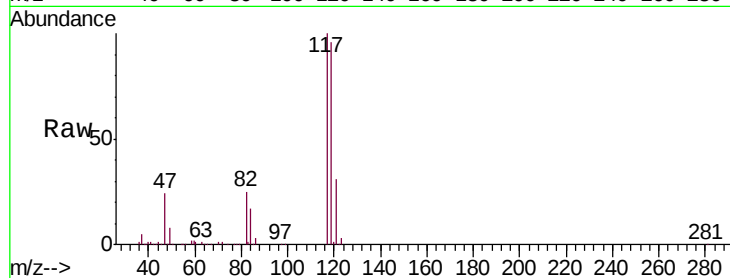




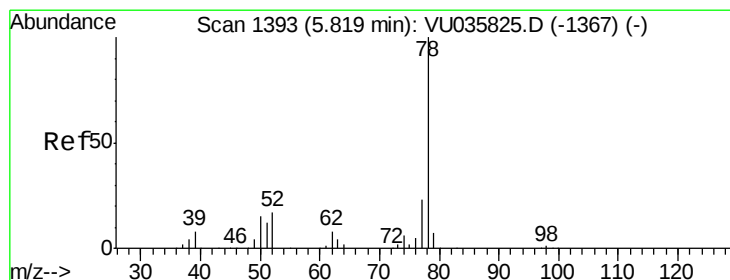
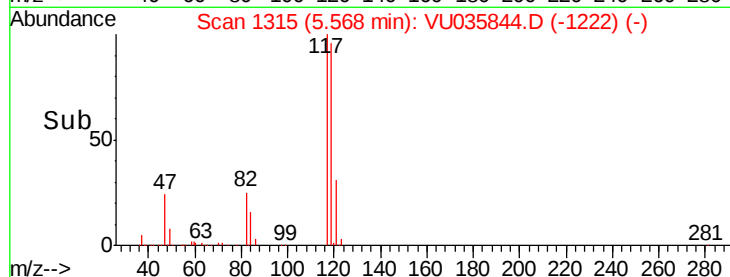
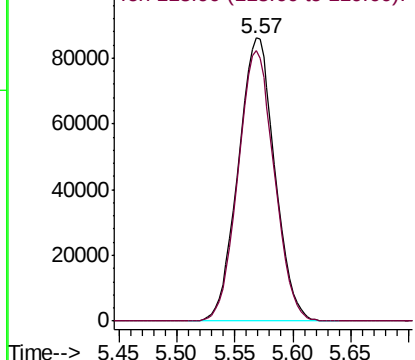
#31
Carbon tetrachloride
Concen: 4.752 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

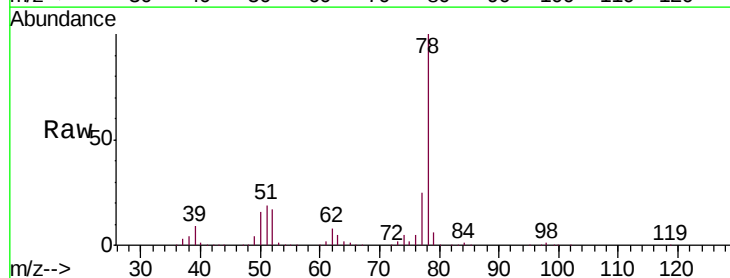
Tgt Ion:117 Resp: 188932
Ion Ratio Lower Upper
117 100
119 94.4 76.0 114.0



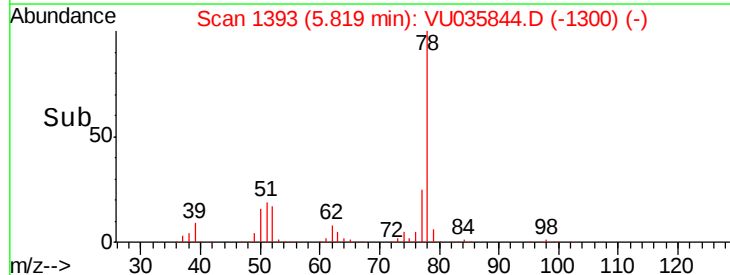
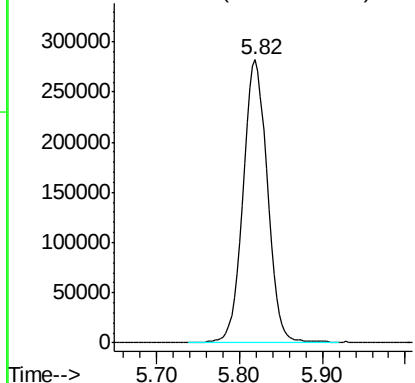
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

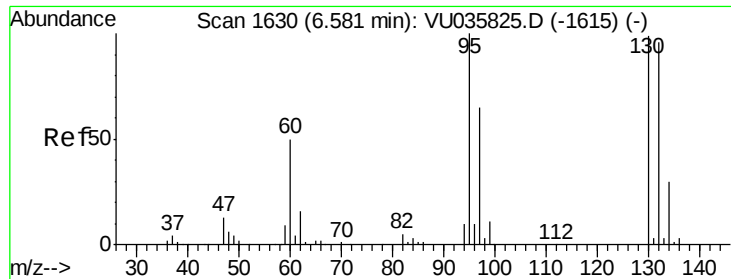


#33
Benzene
Concen: 4.851 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11
Tgt Ion: 78 Resp: 575756



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 6.849 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 95 Resp: 199314

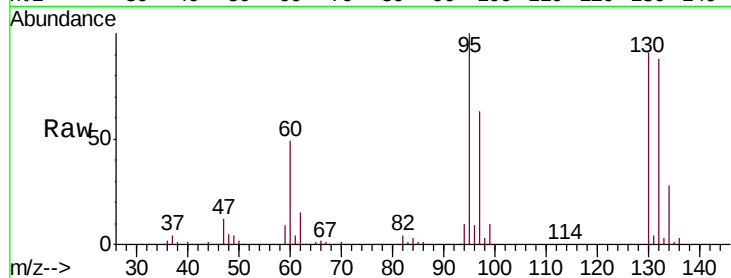
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.9

132 87.5 61.9 114.9

130 90.9 66.3 123.1

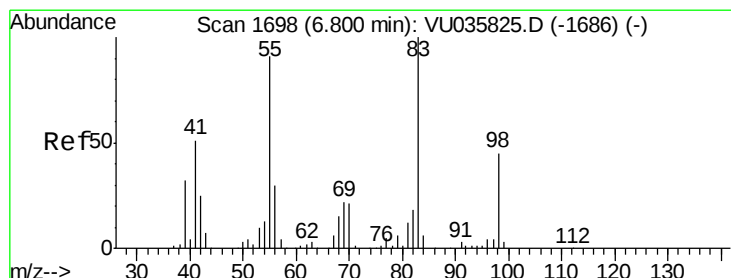
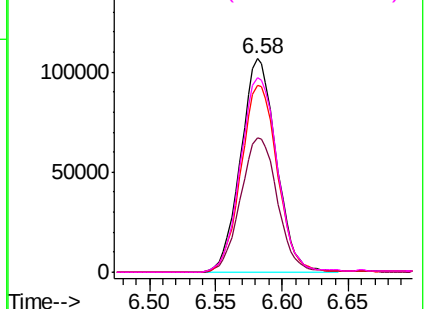
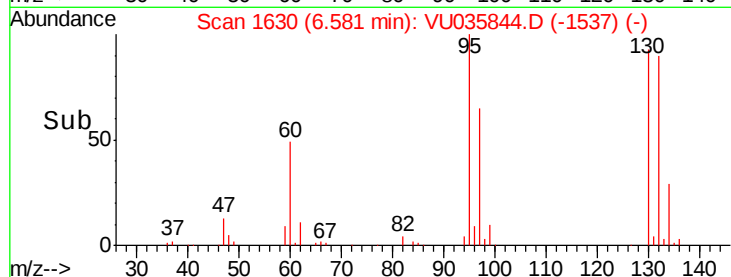


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.604 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

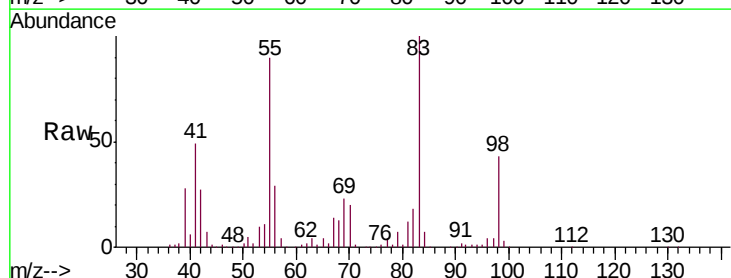
Tgt Ion: 83 Resp: 196631

Ion Ratio Lower Upper

83 100

55 89.6 72.7 109.1

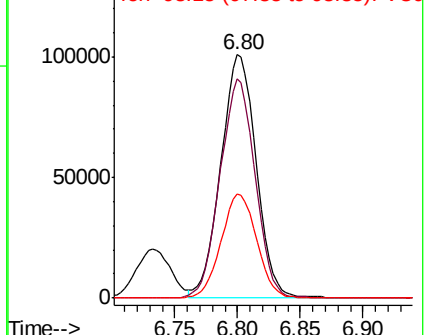
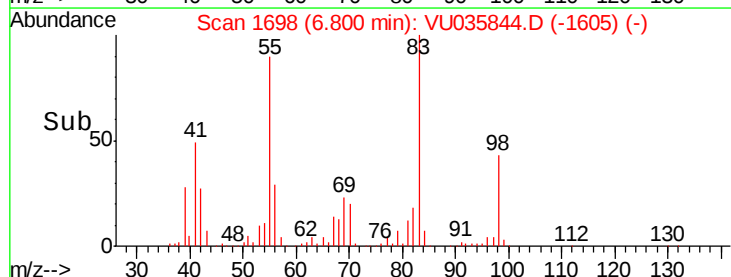
98 43.2 36.2 54.4

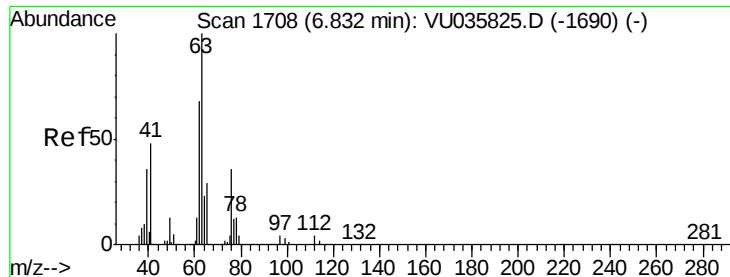


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

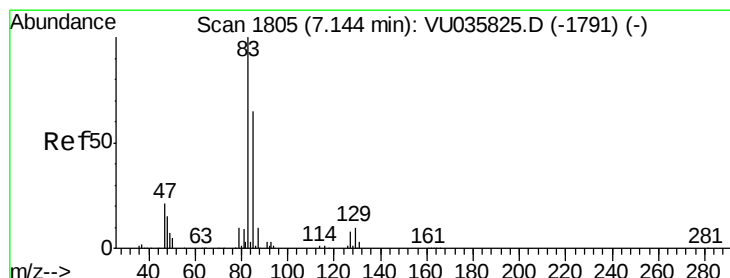
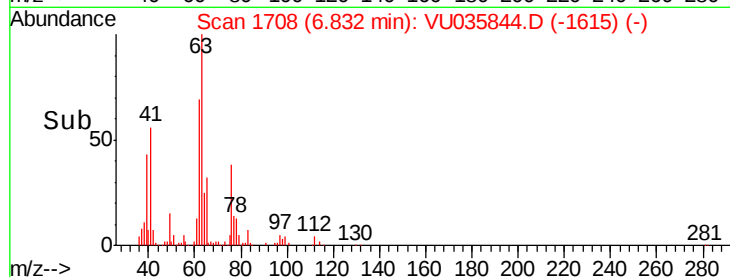
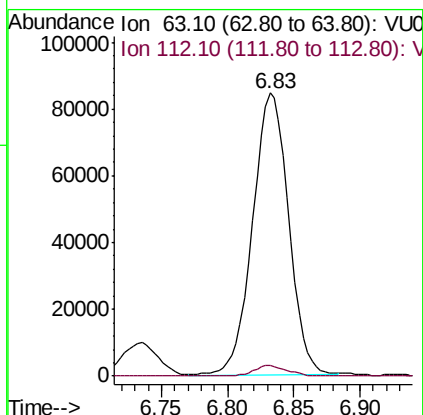
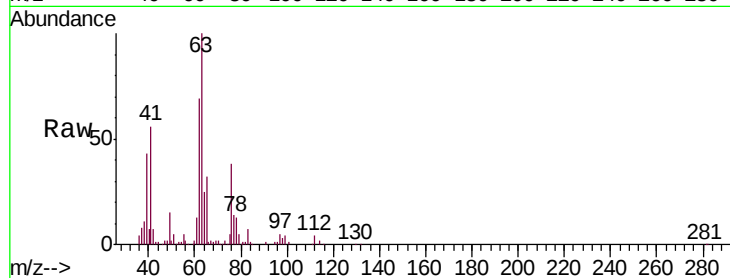




#37
 1,2-Dichloropropane
 Concen: 4.755 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

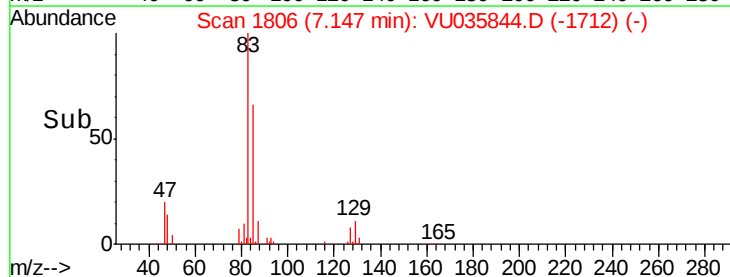
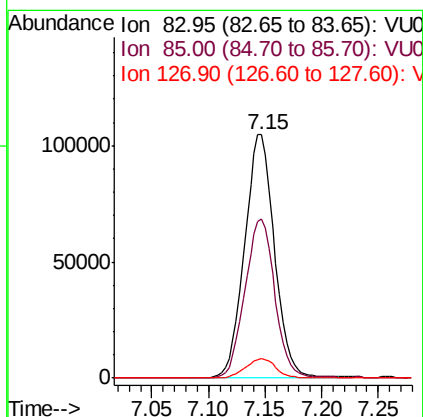
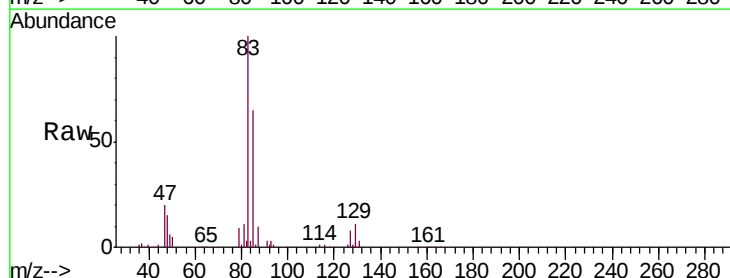
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

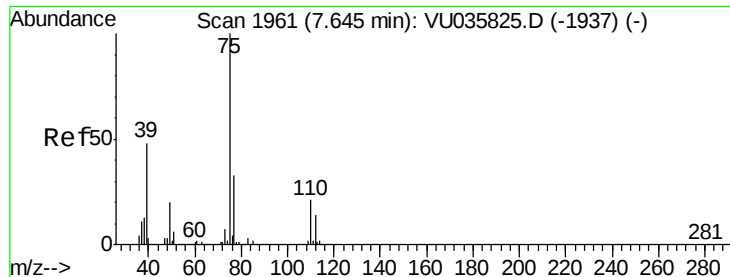
Tgt Ion: 63 Resp: 160073
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.760 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion: 83 Resp: 192065
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.6 84.8
 127 8.0 6.0 9.0

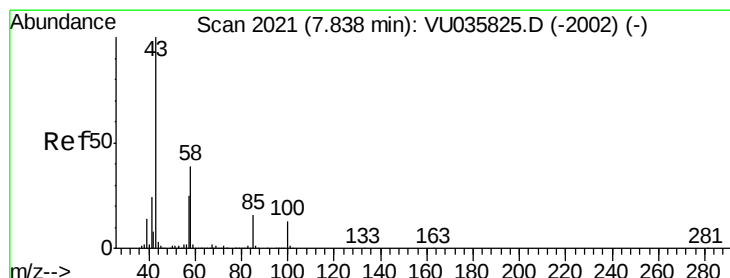
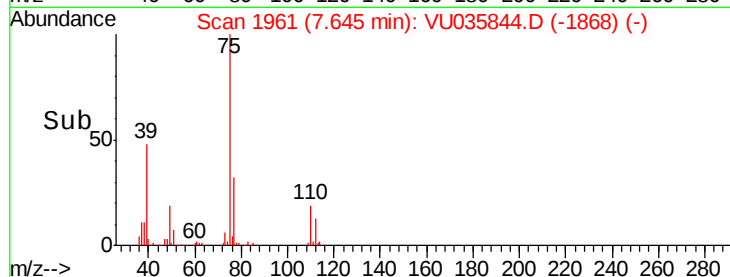
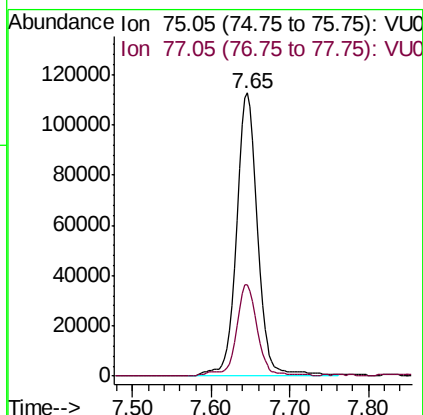
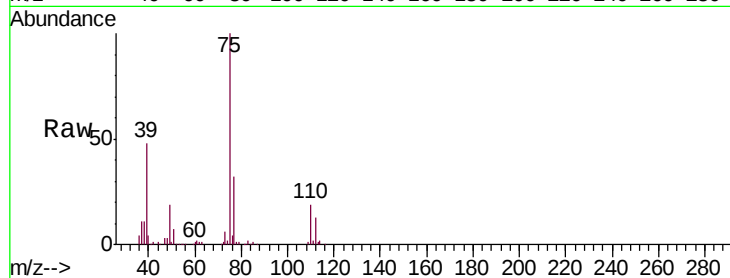




#39
 cis-1,3-Dichloropropene
 Concen: 4.807 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

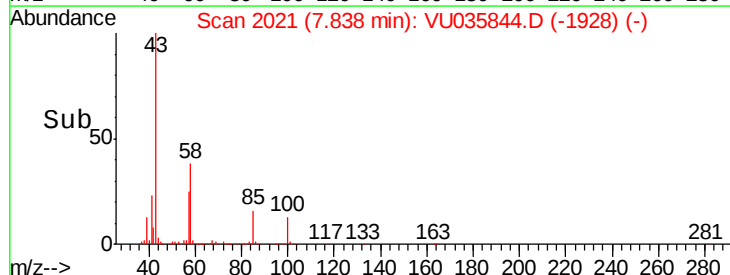
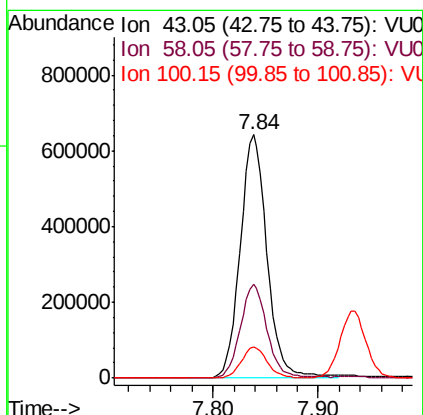
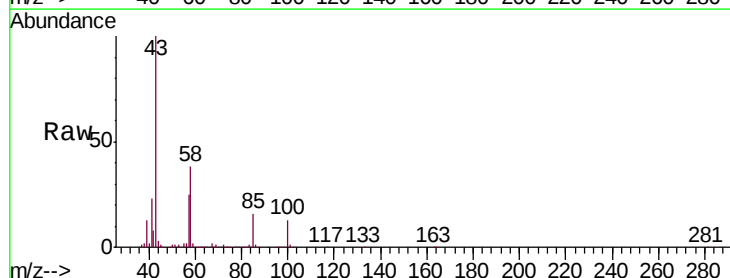
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

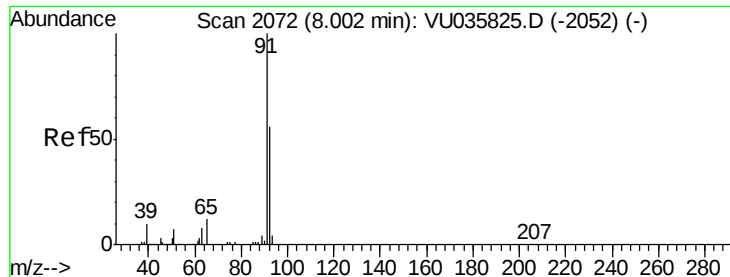
Tgt Ion: 75 Resp: 209464
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 54.862 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion: 43 Resp: 1133845
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2
 100 12.6 10.0 15.0





#42

Toluene

Concen: 4.804 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

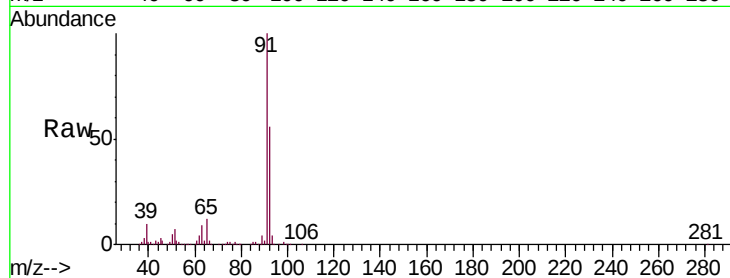
VSTD00509

Tgt Ion: 91 Resp: 593137

Ion Ratio Lower Upper

91 100

92 56.1 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035825.D (-2052) (-)

Ion 92.15 (91.85 to 92.85): VU035825.D (-2052) (-)

8.00

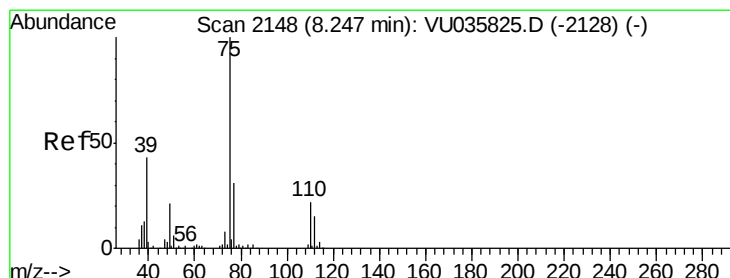
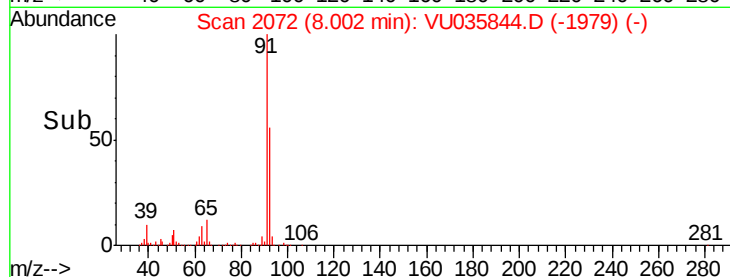
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.916 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035844.D

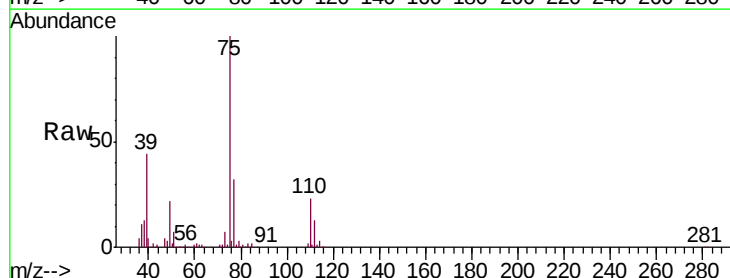
Acq: 26 Nov 2019 00:11

Tgt Ion: 75 Resp: 177648

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035825.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035825.D (-2128) (-)

8.25

120000

100000

80000

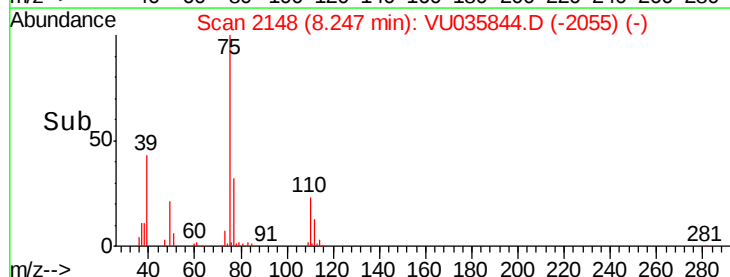
60000

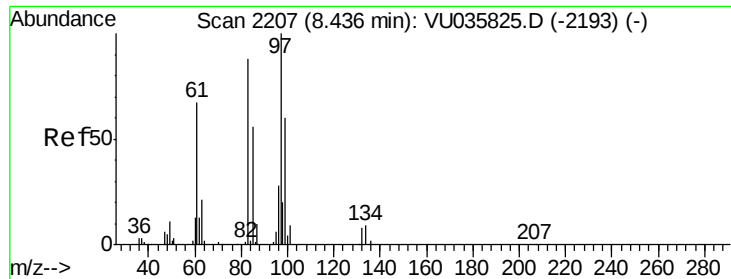
40000

20000

0

Time-->

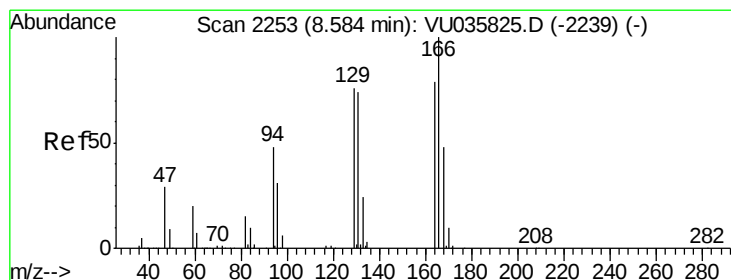
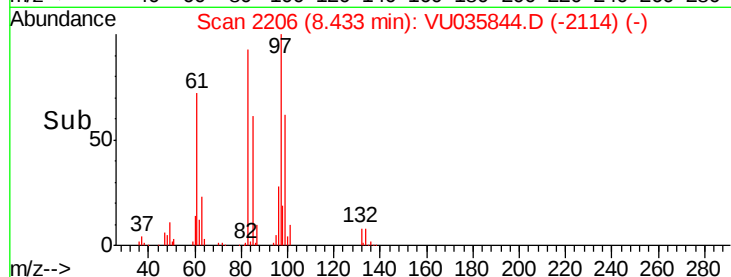
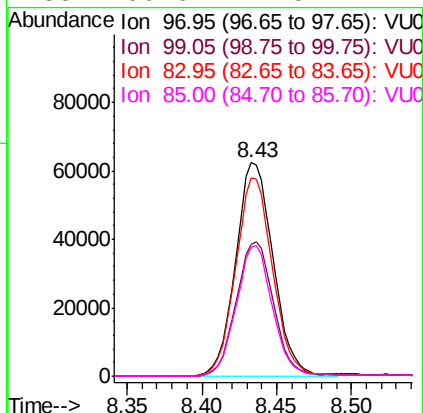
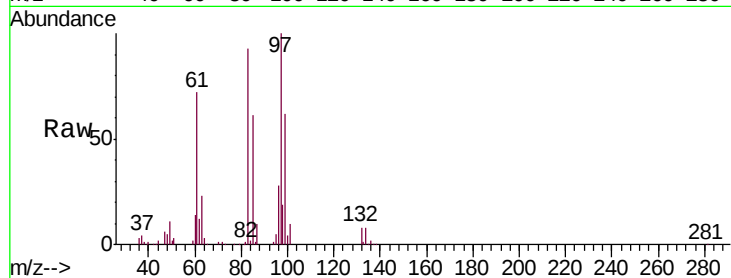




#45
 1,1,2-Trichloroethane
 Concen: 4.981 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

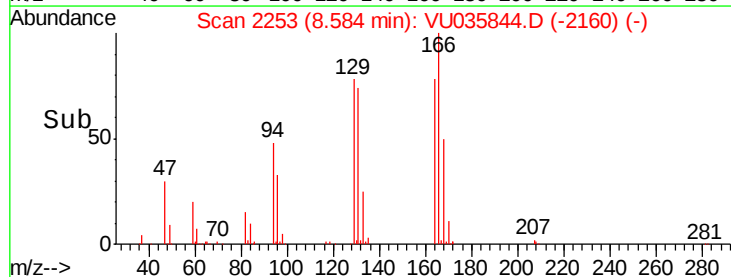
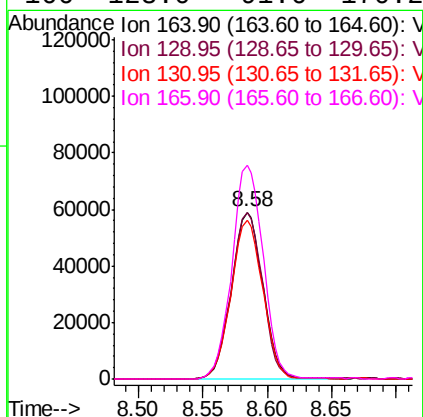
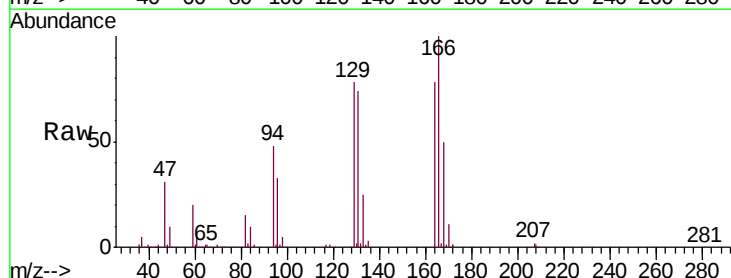
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

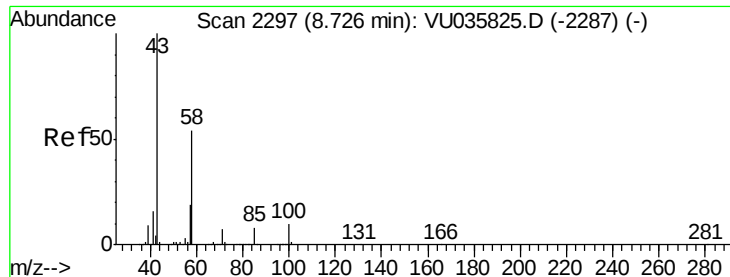
Tgt Ion:	97	Resp:	109256
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.2	82.0
83	92.9	62.2	115.6
85	60.6	41.5	77.1



#47
 Tetrachloroethene
 Concen: 4.537 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion:	164	Resp:	100480
Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.8	127.8
131	95.0	67.3	124.9
166	128.0	91.6	170.2

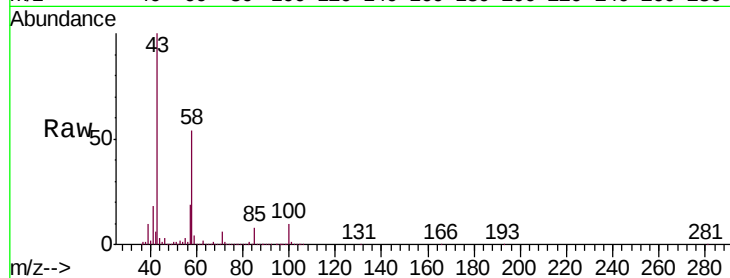




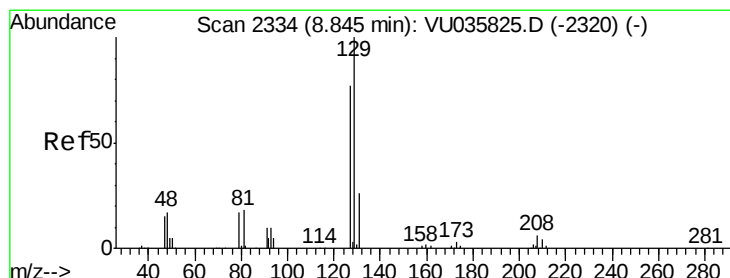
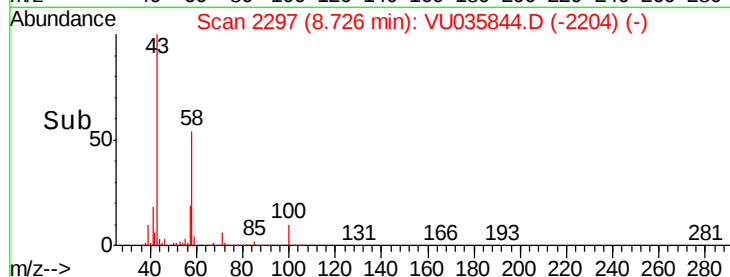
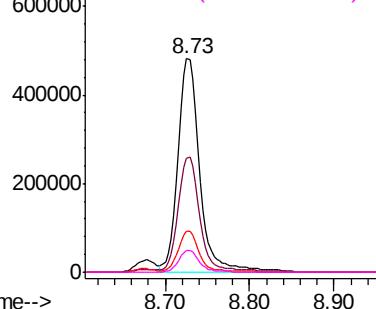
#48
2-Hexanone
Concen: 56.894 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion:	43	Resp:	865686
Ion	Ratio	Lower	Upper
43	100		
58	54.6	39.8	59.8
57	18.2	14.0	21.0
100	9.7	7.2	10.8

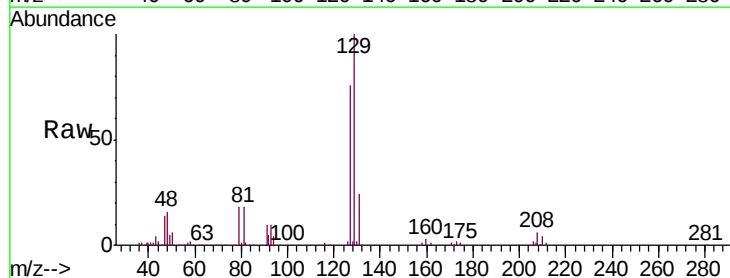


Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-2287) (-)
Ion 58.05 (57.75 to 58.75): VU035825.D (-2287) (-)
Ion 57.20 (56.90 to 57.90): VU035825.D (-2287) (-)
Ion 100.15 (99.85 to 100.85): VU035825.D (-2287) (-)

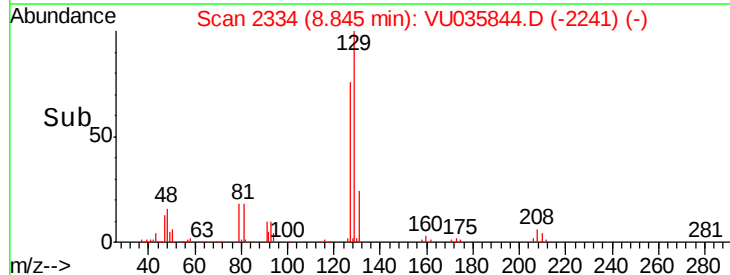
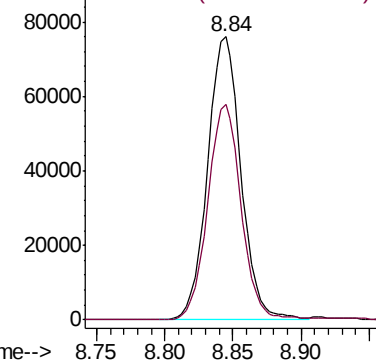


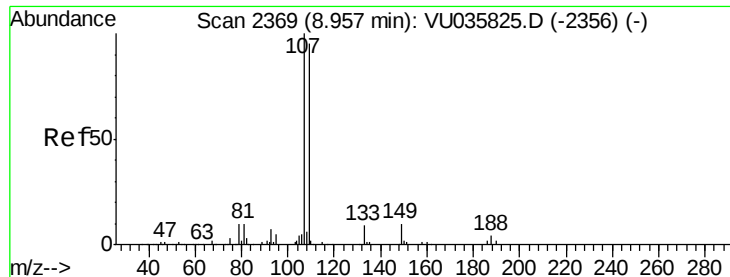
#49
Dibromochloromethane
Concen: 4.988 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion:	129	Resp:	129083
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035825.D (-2320) (-)
Ion 126.90 (126.60 to 127.60): VU035825.D (-2320) (-)

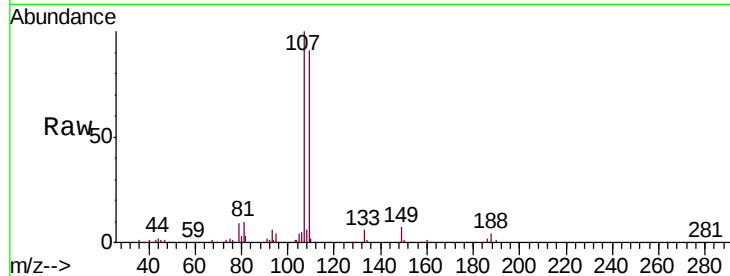




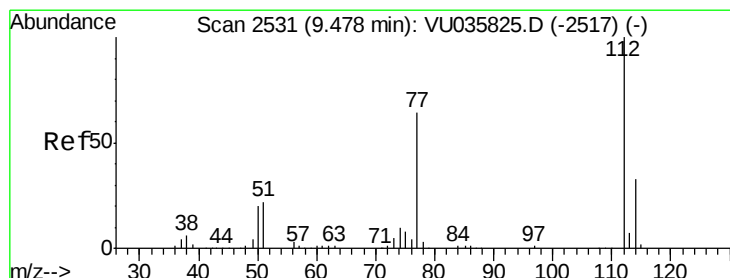
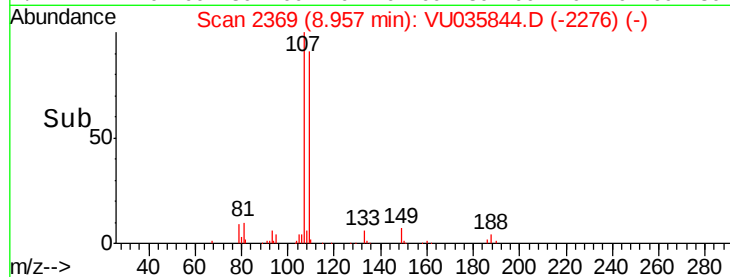
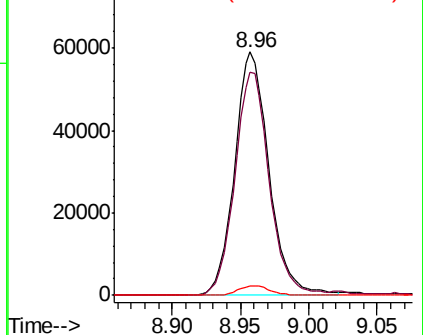
#50
1,2-Dibromoethane
Concen: 5.141 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.5	62.6	116.3
188	3.9	2.8	4.2

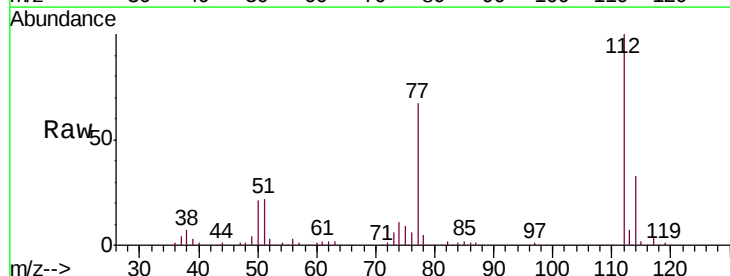


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

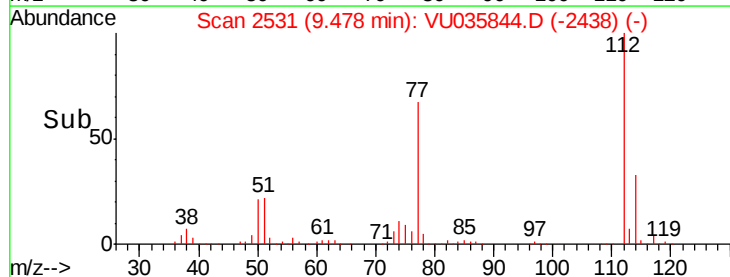
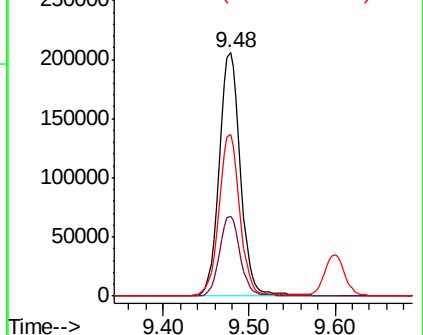


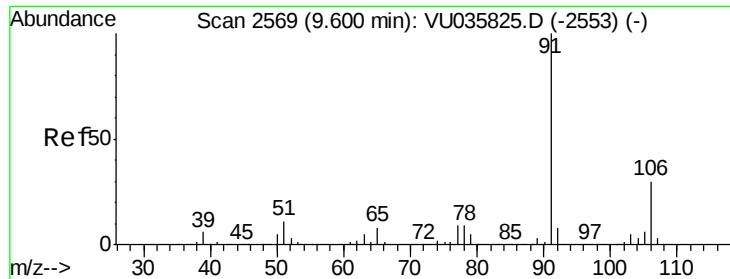
#51
Chlorobenzene
Concen: 4.619 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.2	41.2
77	66.6	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): V





#52

Ethylbenzene

Concen: 4.600 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

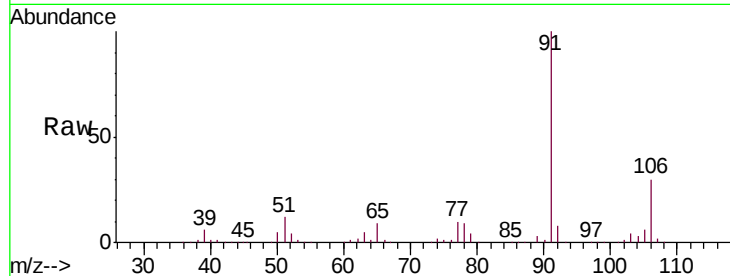
VSTD00509

Tgt Ion: 91 Resp: 587279

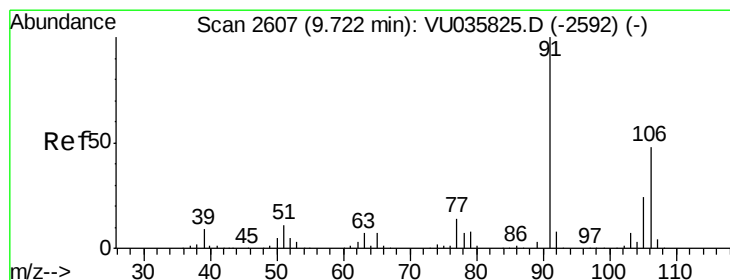
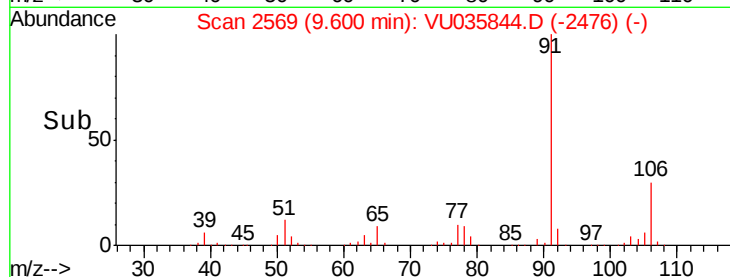
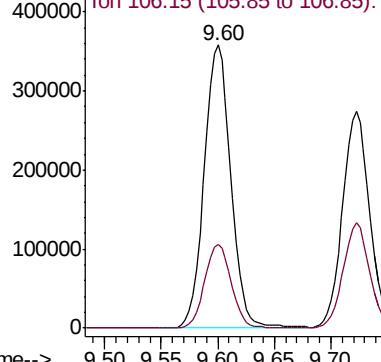
Ion Ratio Lower Upper

91 100

106 29.7 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035844.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.862 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035844.D

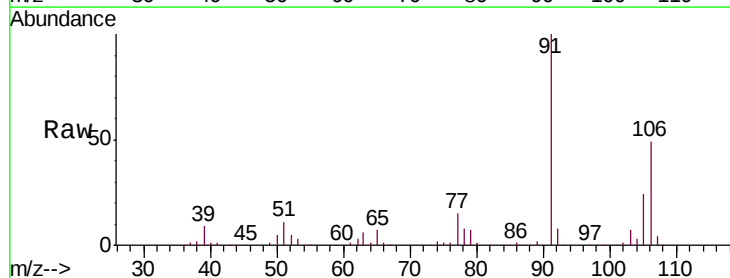
Acq: 26 Nov 2019 00:11

Tgt Ion: 106 Resp: 218855

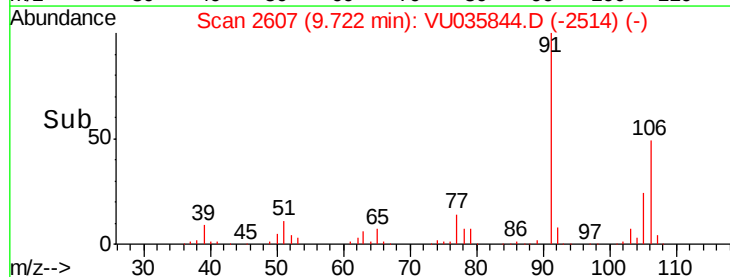
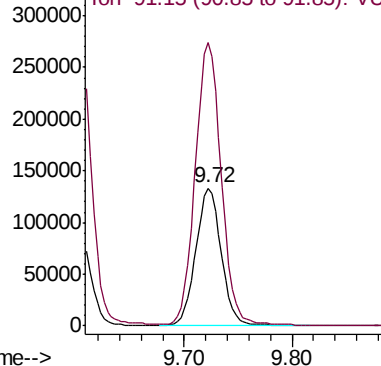
Ion Ratio Lower Upper

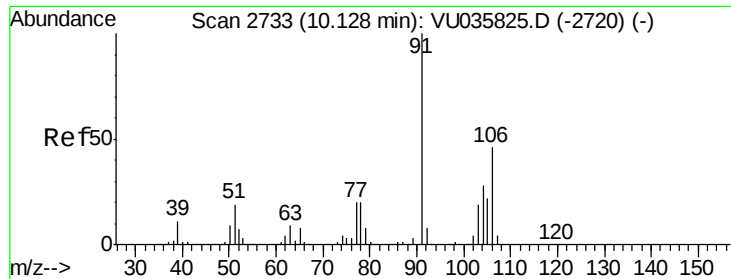
106 100

91 205.6 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035844.D (-2592) (-)

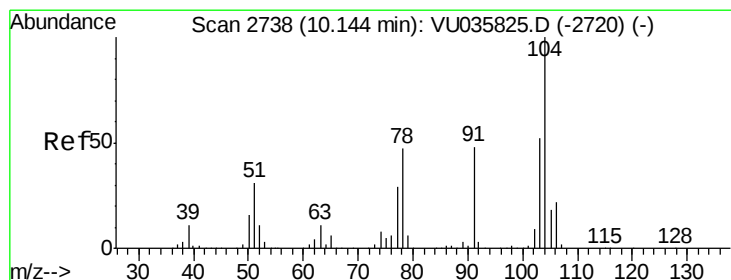
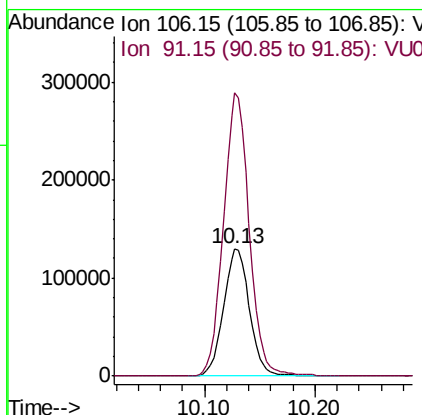
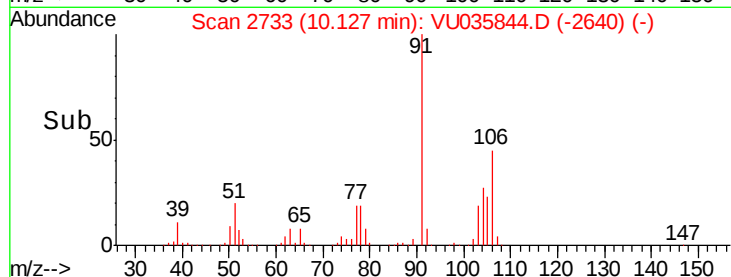
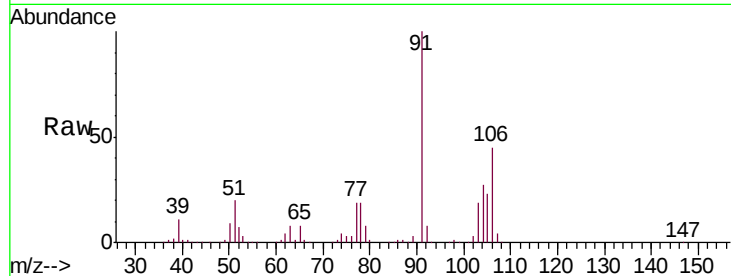




#54
o-Xylene
Concen: 4.829 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

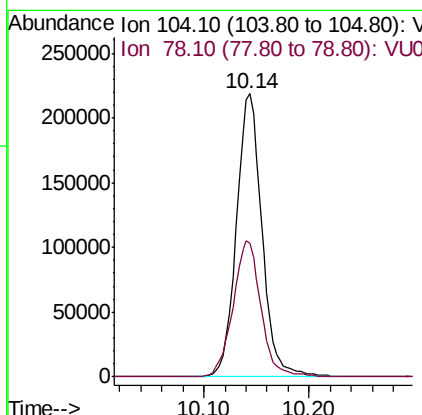
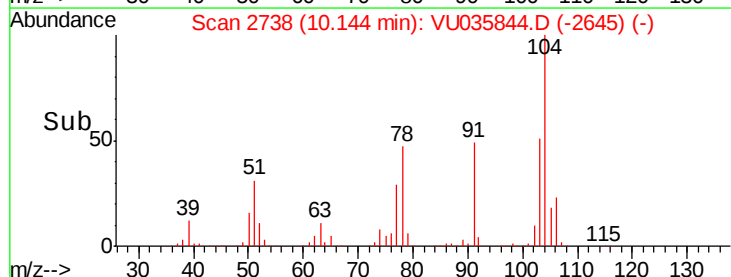
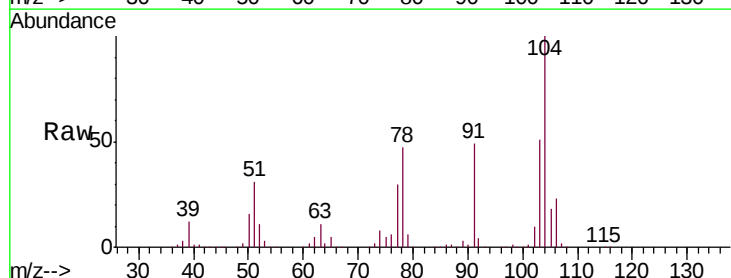
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

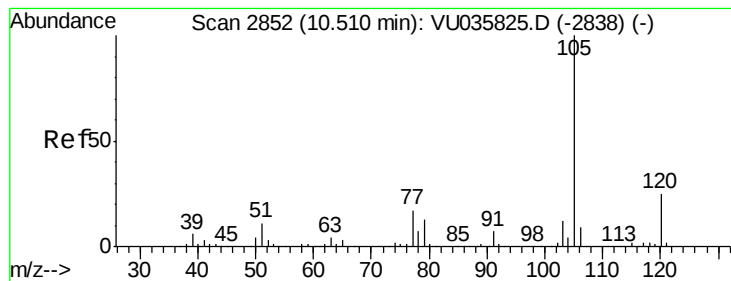
Tgt Ion:106 Resp: 211105
Ion Ratio Lower Upper
106 100
91 221.7 153.6 285.2



#55
Styrene
Concen: 5.055 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion:104 Resp: 366494
Ion Ratio Lower Upper
104 100
78 47.0 33.9 62.9





#56

Isopropylbenzene

Concen: 4.806 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

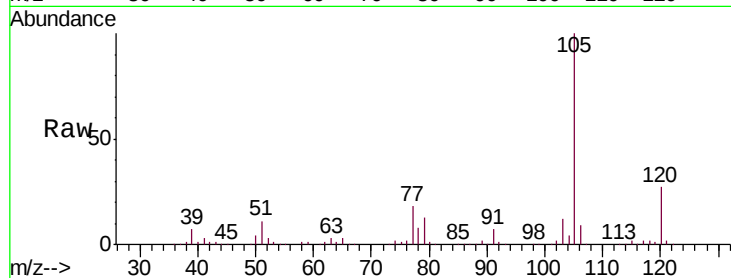
Tgt Ion: 105 Resp: 554966

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.2

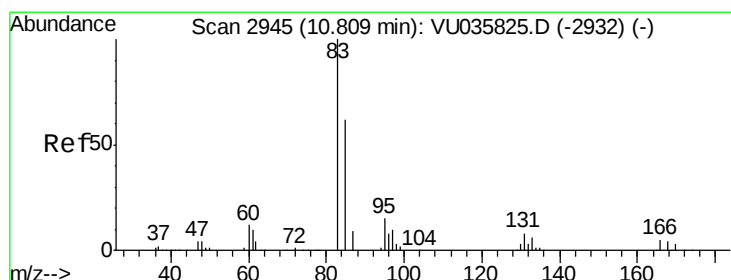
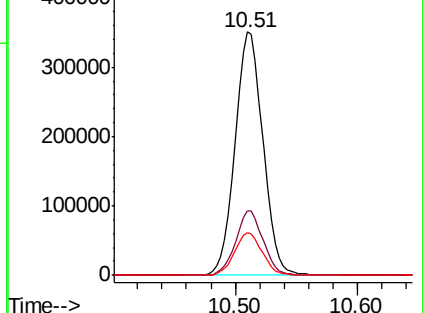
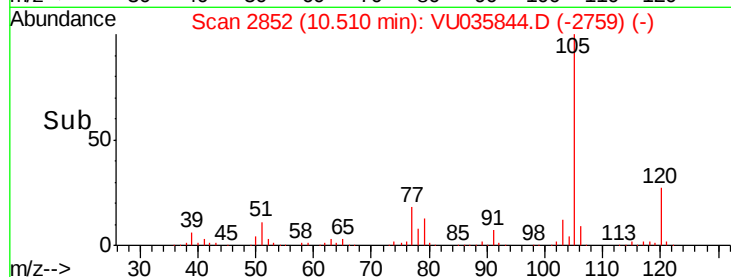
77 17.6 13.7 20.5



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: 5.093 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

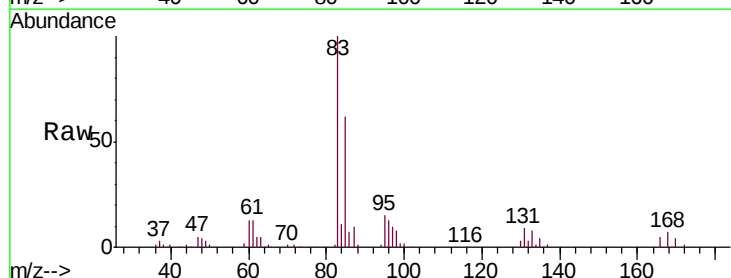
Tgt Ion: 83 Resp: 154582

Ion Ratio Lower Upper

83 100

85 61.7 44.6 82.8

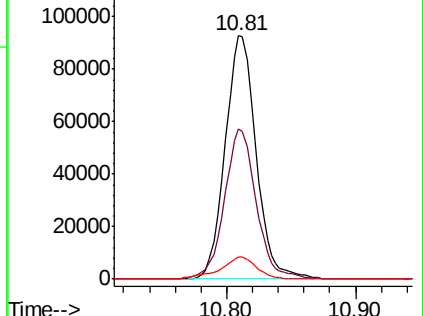
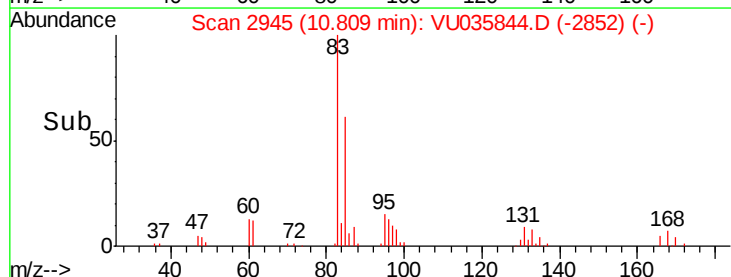
131 8.9 6.9 10.3

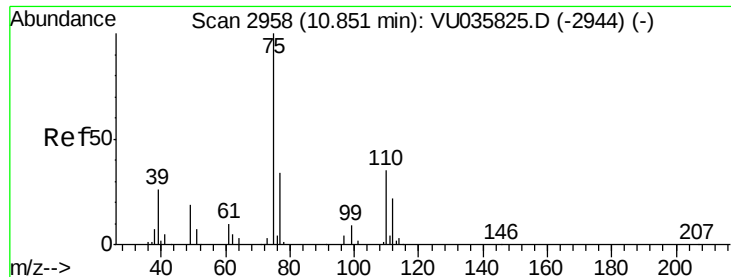


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

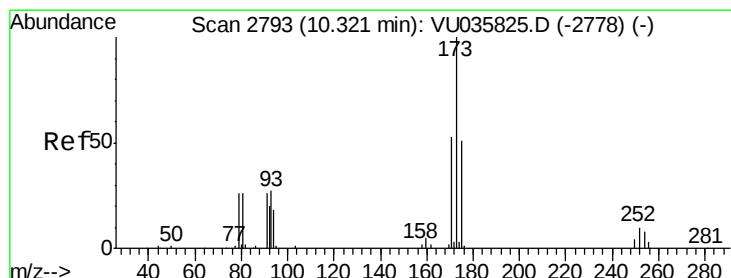
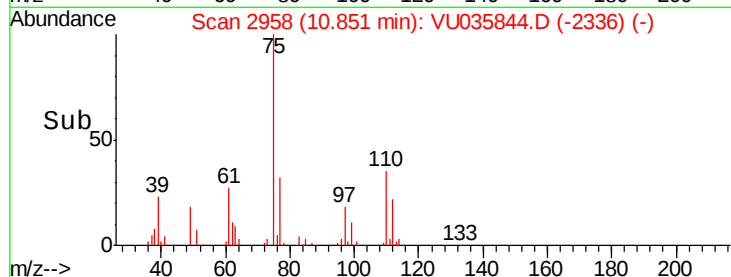
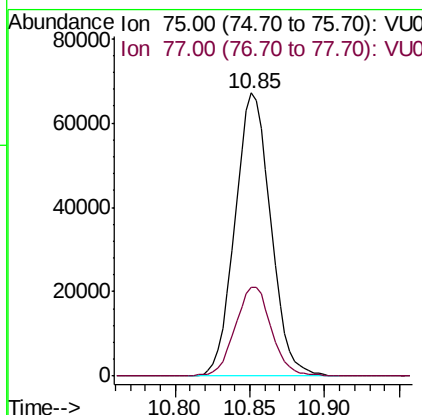
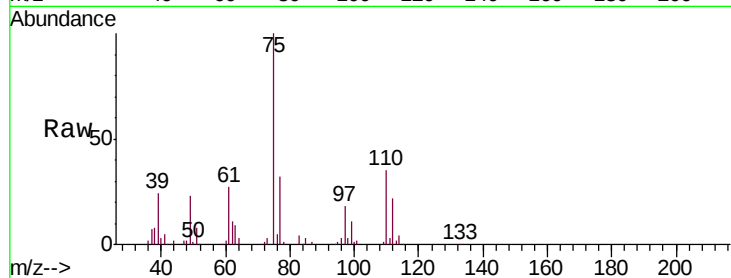




#59
1,2,3-Trichloropropane
Concen: 5.100 ug/L
RT: 10.85 min Scan# 2958
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

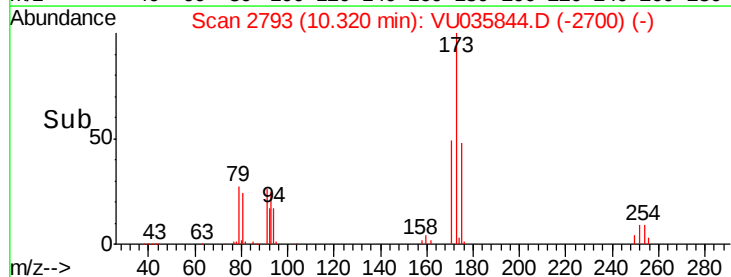
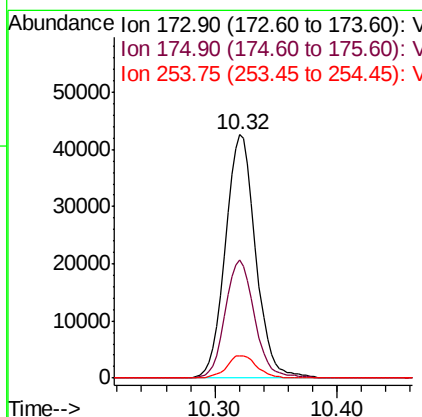
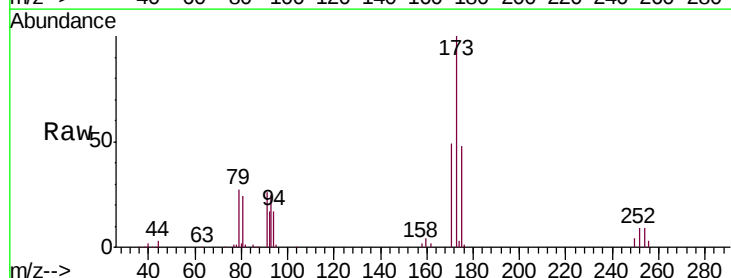
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

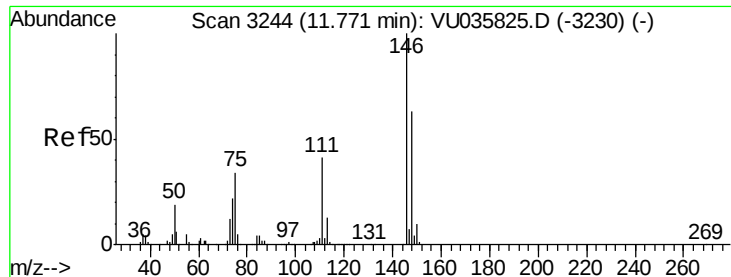
Tgt Ion: 75 Resp: 111625
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2



#61
Bromoform
Concen: 4.625 ug/L
RT: 10.32 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VU035844.D
Acq: 26 Nov 2019 00:11

Tgt Ion: 173 Resp: 74044
Ion Ratio Lower Upper
173 100
175 47.2 40.1 60.1
254 9.1 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.698 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

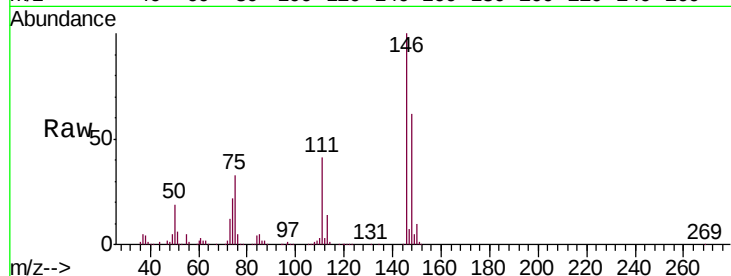
Tgt Ion:146 Resp: 268698

Ion Ratio Lower Upper

146 100

111 41.3 29.5 54.7

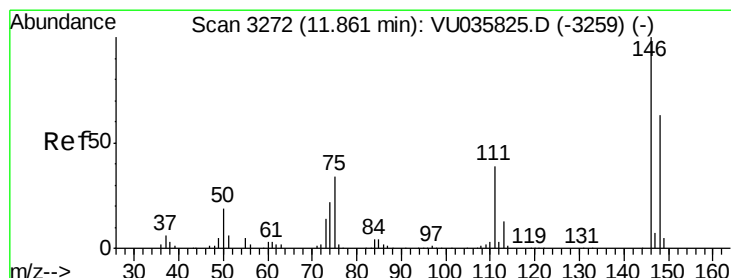
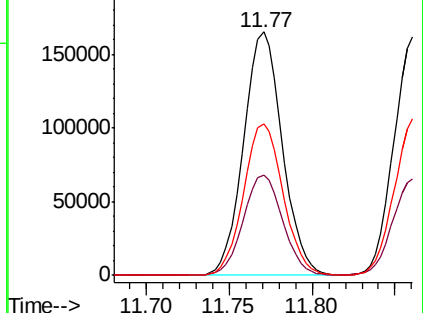
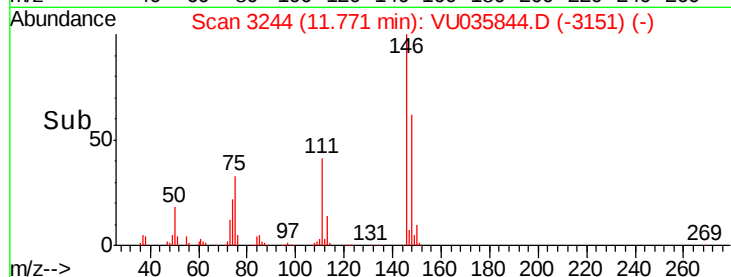
148 62.4 44.1 81.9



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: 4.651 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

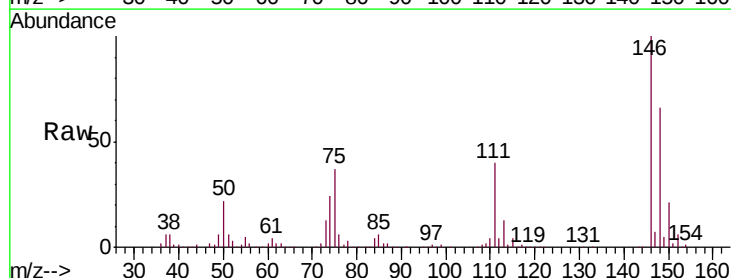
Tgt Ion:146 Resp: 261873

Ion Ratio Lower Upper

146 100

111 40.3 27.9 51.7

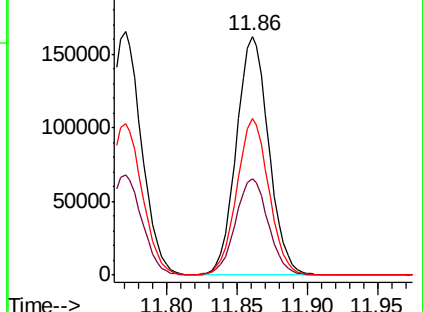
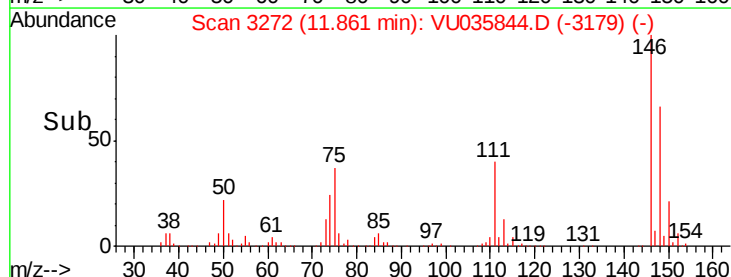
148 65.7 44.2 82.2

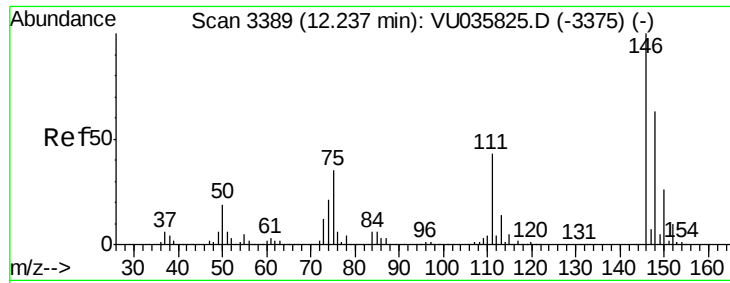


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

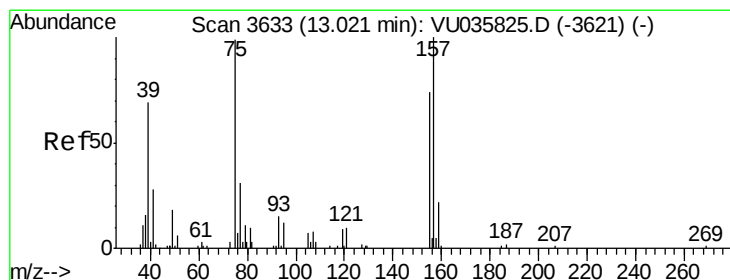
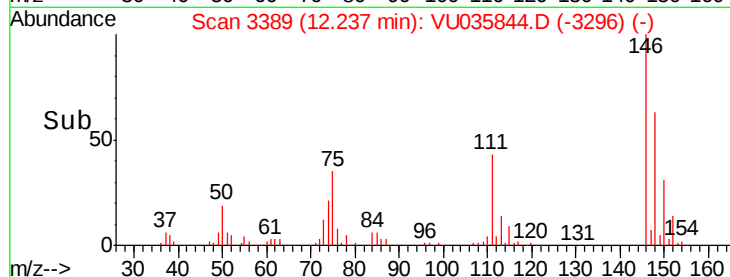
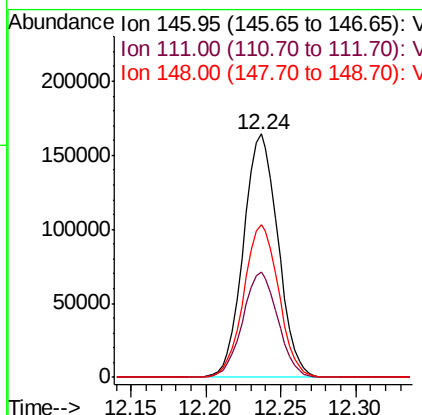
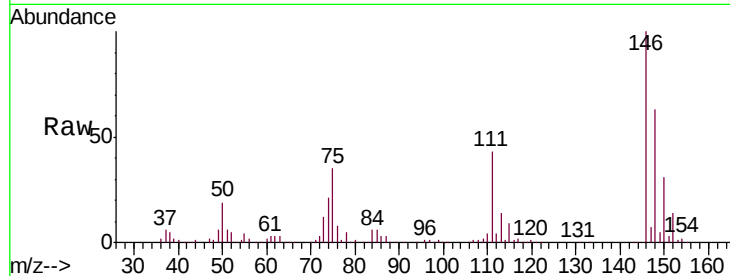




#65
 1,2-Dichlorobenzene
 Concen: 4.848 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

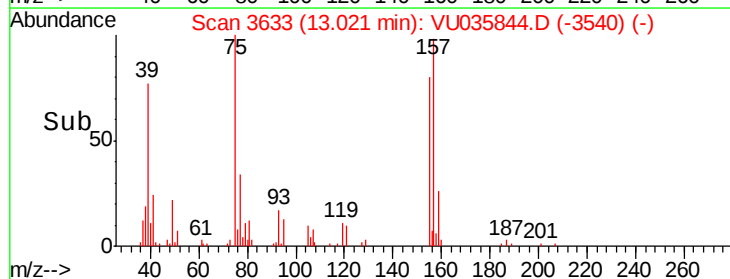
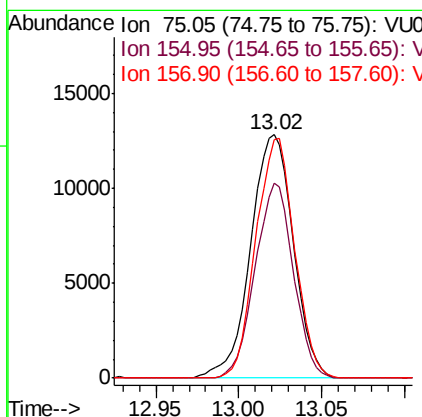
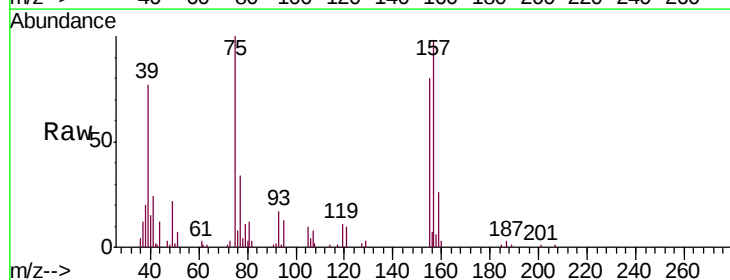
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

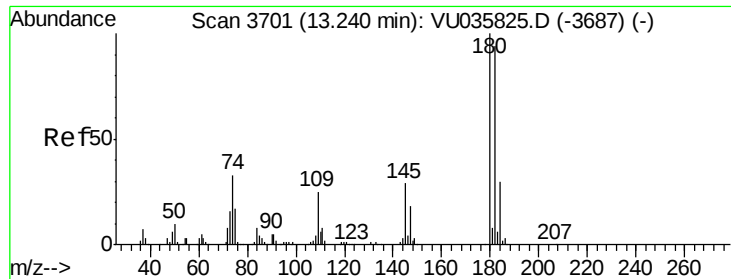
Tgt Ion: 146 Resp: 264561
 Ion Ratio Lower Upper
 146 100
 111 43.2 35.4 53.0
 148 63.0 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.101 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion: 75 Resp: 23031
 Ion Ratio Lower Upper
 75 100
 155 79.8 55.4 83.2
 157 98.0 69.4 104.2

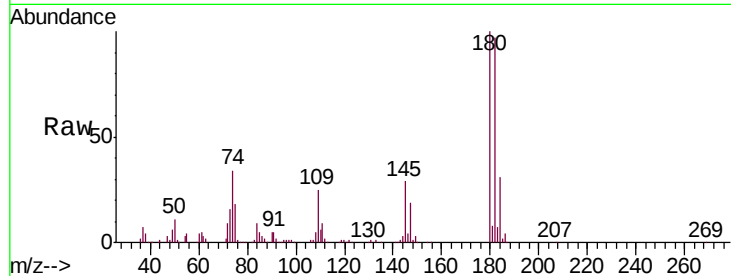




#67
 1,3,5-Trichlorobenzene
 Concen: 5.281 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
184	30.1	24.1	36.1
145	29.6	23.7	35.5



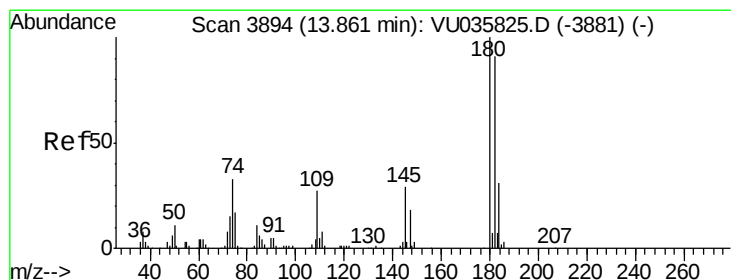
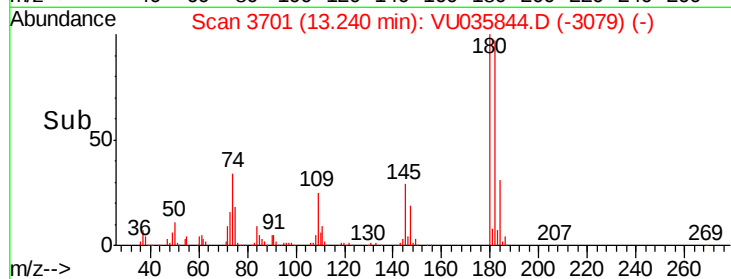
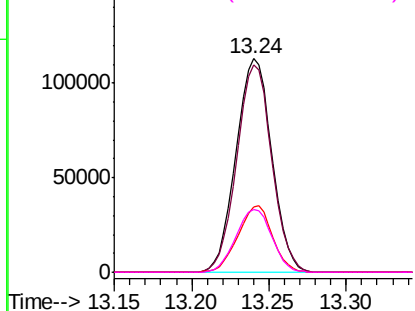
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

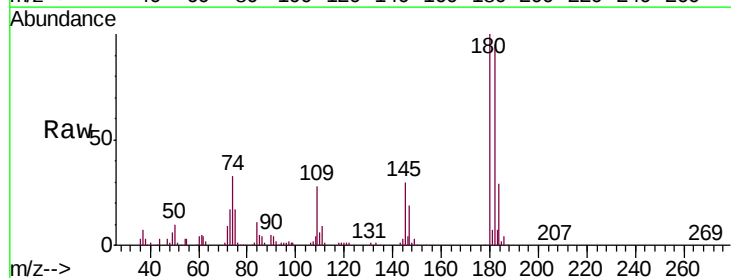
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.363 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035844.D
 Acq: 26 Nov 2019 00:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.1	112.7
145	30.5	24.0	36.0

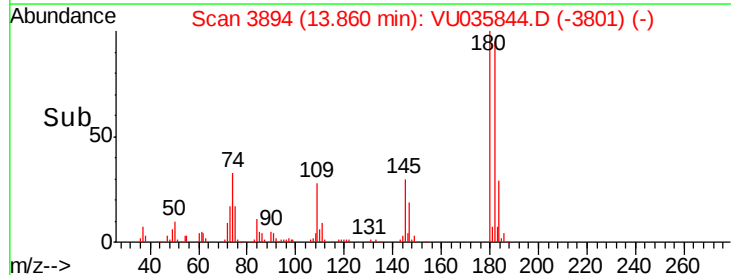
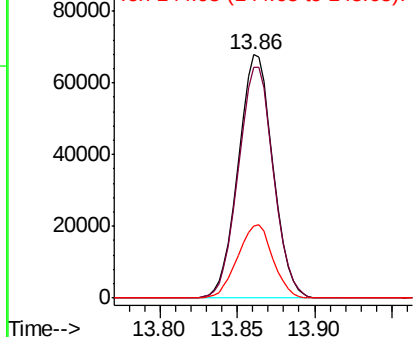


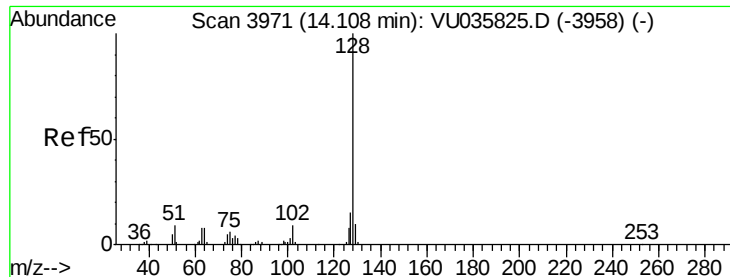
Abundance

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: 4.251 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

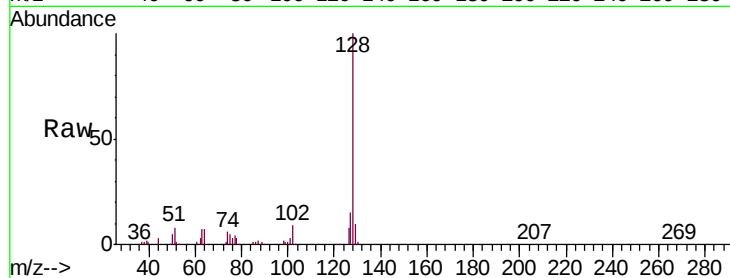
Tgt Ion:128 Resp: 118242

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

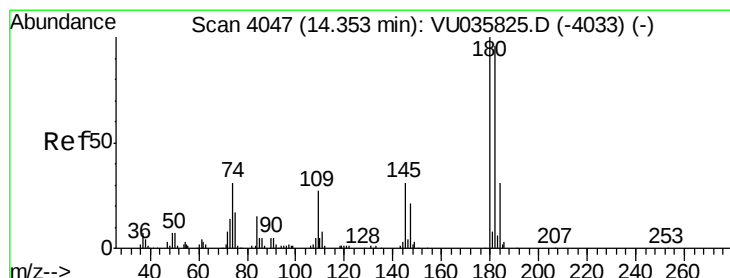
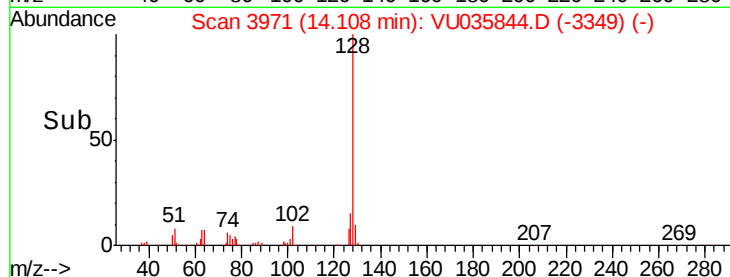
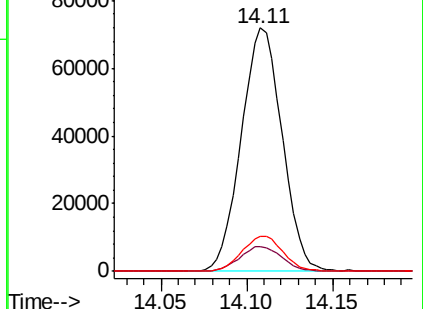
127 14.6 11.8 17.6



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: 5.416 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035844.D

Acq: 26 Nov 2019 00:11

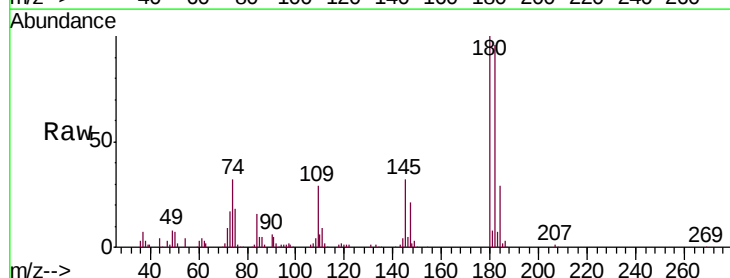
Tgt Ion:180 Resp: 104044

Ion Ratio Lower Upper

180 100

182 97.5 77.4 116.0

145 32.8 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

