

Data File : VU035559.D
Acq On : 30 Oct 2019 14:11
Operator : JC/SP
Sample : VSTD05032
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Oct 30 23:51:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 23:48:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	703388	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	694901	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	319901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	291114	51.94	ug/L	0.00
7) Chloroethane-d5	1.93	69	233505	50.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	450347	49.04	ug/L	0.00
21) 2-Butanone-d5	4.69	46	335118	93.30	ug/L	0.00
24) Chloroform-d	5.12	84	446343	49.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	270416	47.29	ug/L	0.00
32) Benzene-d6	5.77	84	931899	50.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	302400	50.15	ug/L	0.00
41) Toluene-d8	7.93	98	894597	52.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	139907	49.69	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	228628	102.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	415902	49.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	305814	48.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	276692	46.683	ug/L	100
3) Chloromethane	1.54	50	302765	47.445	ug/L	100
5) Vinyl chloride	1.62	62	320296	46.635	ug/L	100
6) Bromomethane	1.87	94	152928	48.141	ug/L	100
8) Chloroethane	1.95	64	185566	46.031	ug/L	100
9) Trichlorofluoromethane	2.16	101	383844	48.377	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	221288	47.695	ug/L	100
12) 1,1-Dichloroethene	2.61	96	218370	49.444	ug/L	100
13) Acetone	2.67	43	289196	83.104	ug/L	100
14) Carbon disulfide	2.83	76	645453	45.678	ug/L	100
15) Methyl Acetate	2.99	43	263465	45.213	ug/L	100
16) Methylene chloride	3.09	84	260164	47.710	ug/L	100
17) trans-1,2-Dichloroethene	3.40	96	224712	48.079	ug/L	100
18) Methyl tert-butyl Ether	3.42	73	694695	47.734	ug/L	100
19) 1,1-Dichloroethane	3.92	63	440568	46.330	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	257515	48.887	ug/L	100
22) 2-Butanone	4.77	43	389298	88.635	ug/L	100
23) Bromochloromethane	5.03	128	135267	50.013	ug/L	100
25) Chloroform	5.14	83	447224	47.360	ug/L	100
27) 1,2-Dichloroethane	5.84	62	325148	45.239	ug/L	100
29) Cyclohexane	5.43	56	366007	47.604	ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	366281	48.271	ug/L	100
31) Carbon tetrachloride	5.57	117	326802	48.780	ug/L	100
33) Benzene	5.82	78	990989	48.242	ug/L	100
34) Trichloroethene	6.58	95	245493	48.288	ug/L	100
35) Methylcyclohexane	6.80	83	371615	51.905	ug/L	100
37) 1,2-Dichloropropane	6.84	63	267953	47.581	ug/L	100
38) Bromodichloromethane	7.15	83	331361	47.509	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	405528	48.859	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	690520	90.926	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	1068282	50.118	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	365408	48.322	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	250611	48.530	ug/L	100
46) Tetrachloroethene	8.59	164	207627	51.533	ug/L	100
48) 2-Hexanone	8.73	43	501003	82.102	ug/L	100
49) Dibromochloromethane	8.84	129	280638	50.131	ug/L	100
50) 1,2-Dibromoethane	8.96	107	269922	49.589	ug/L	100
51) Chlorobenzene	9.48	112	678737	48.952	ug/L	100
52) Ethylbenzene	9.60	91	1125451	49.711	ug/L	100
53) m,p-Xylene	9.73	106	429963	51.179	ug/L	100
54) o-xylene	10.13	106	422906	51.343	ug/L	100
55) Styrene	10.14	104	711016	52.795	ug/L	100
56) Isopropylbenzene	10.51	105	1064323	51.229	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	429500	47.236	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	333625	46.392	ug/L	100
61) Bromoform	10.32	173	221420	45.925	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	484306	47.827	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	478728	46.447	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	486998	47.201	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	72027	42.730	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	282262	53.007	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	172099	51.148	ug/L	100
69) Naphthalene	14.11	128	382922	41.958	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	185748	53.211	ug/L	100

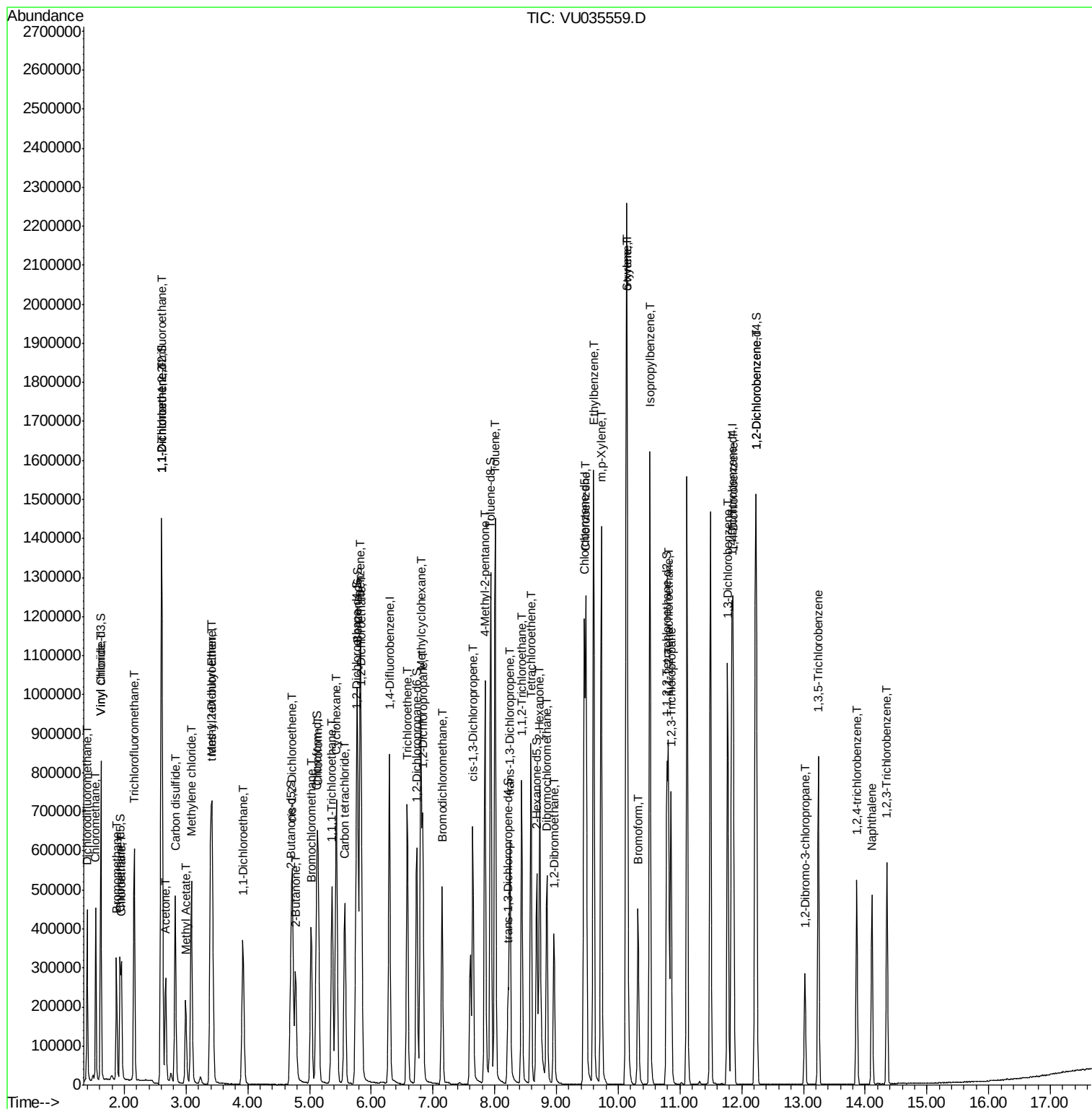
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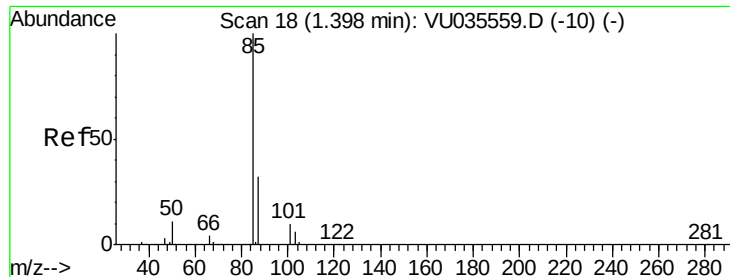
Data File : VU035559.D

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#2

Dichlorodifluoromethane

Concen: 46.683 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

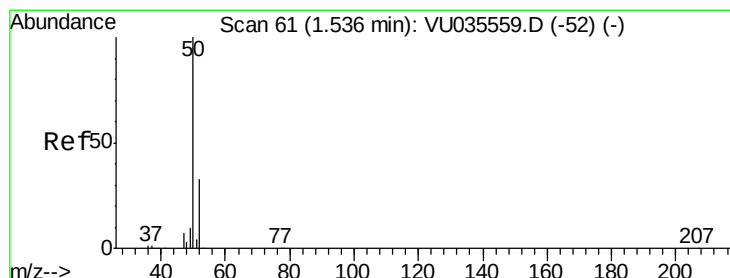
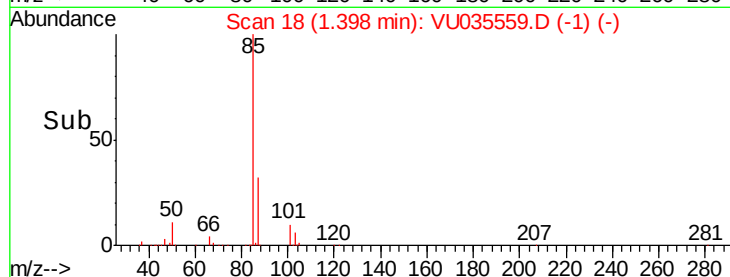
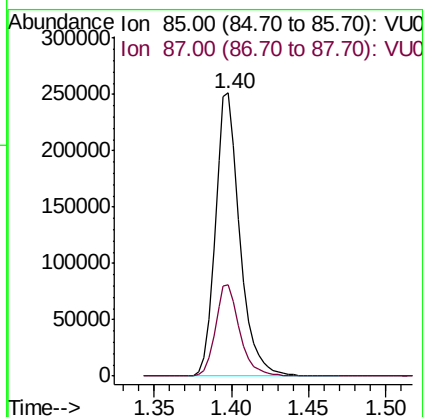
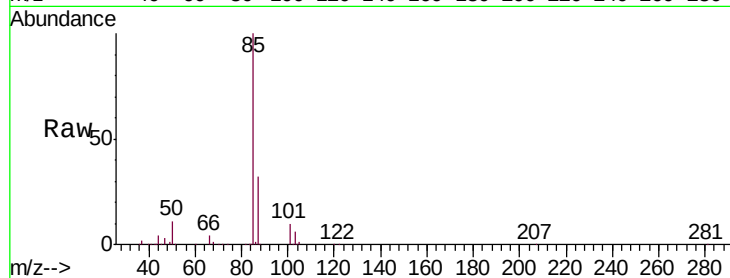
VSTD05032

Tgt Ion: 85 Resp: 276692

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#3

Chloromethane

Concen: 47.445 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035559.D

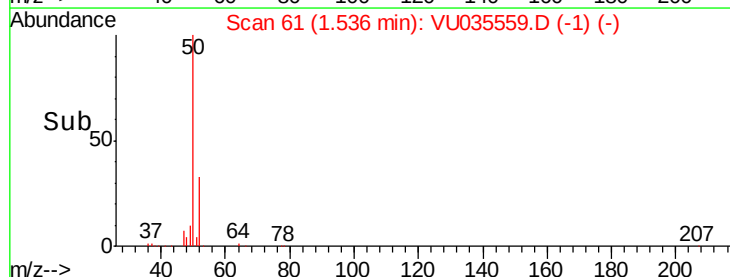
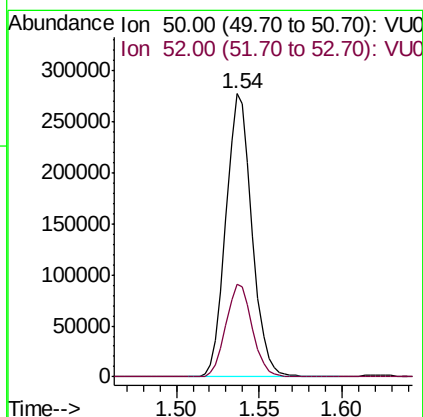
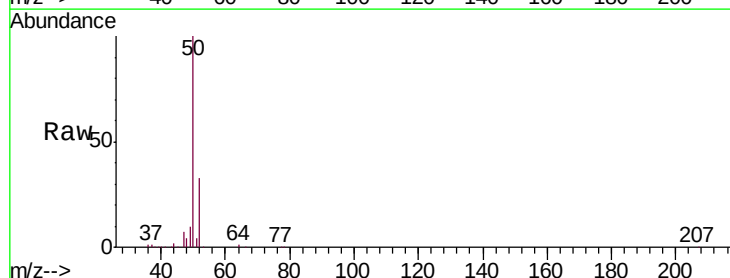
Acq: 30 Oct 2019 14:11

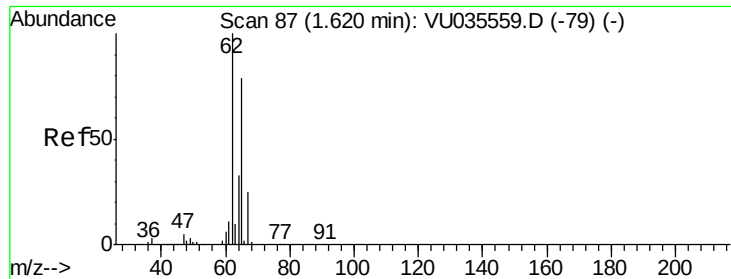
Tgt Ion: 50 Resp: 302765

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 46.635 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

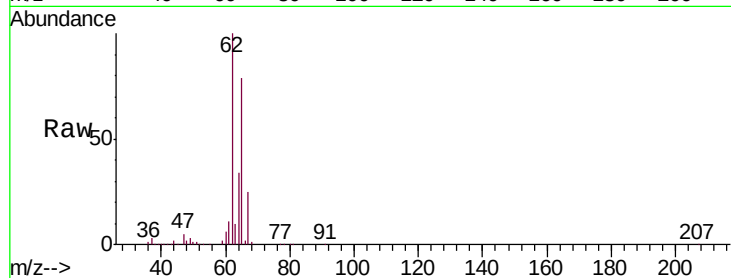
VSTD05032

Tgt Ion: 62 Resp: 320296

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035559.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035559.D (-79) (-)

1.62

300000

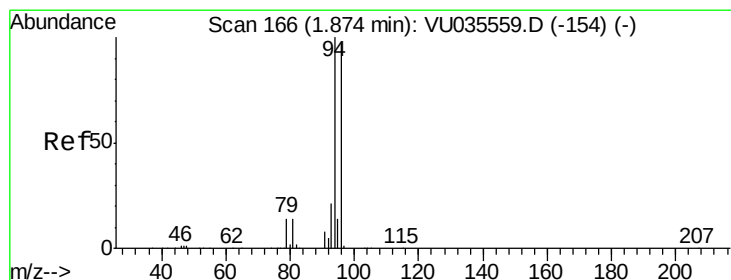
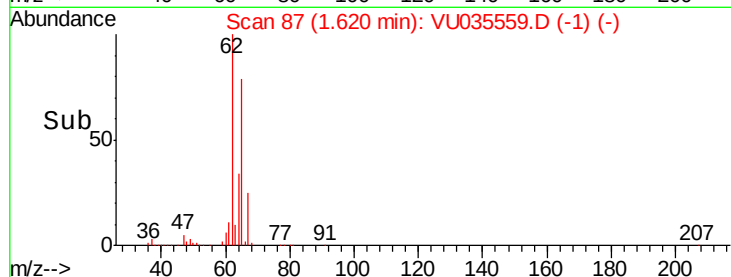
200000

100000

0

1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 48.141 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035559.D

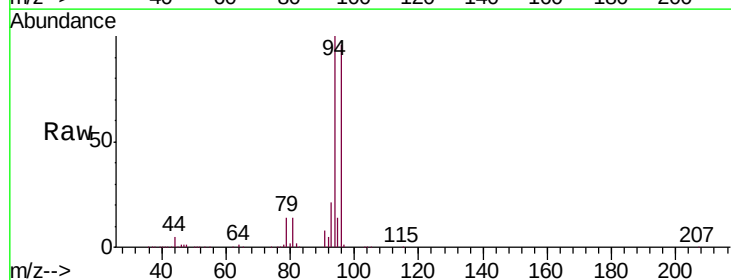
Acq: 30 Oct 2019 14:11

Tgt Ion: 94 Resp: 152928

Ion Ratio Lower Upper

94 100

96 96.5 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035559.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU035559.D (-154) (-)

1.87

120000

100000

80000

60000

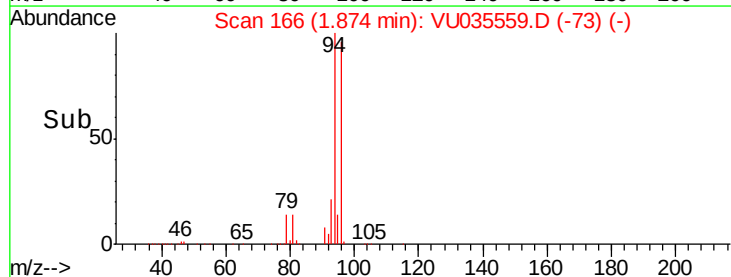
40000

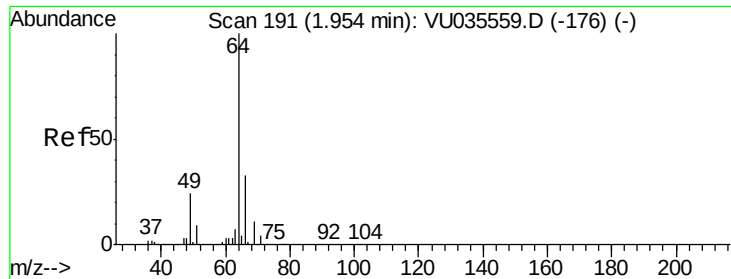
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 46.031 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

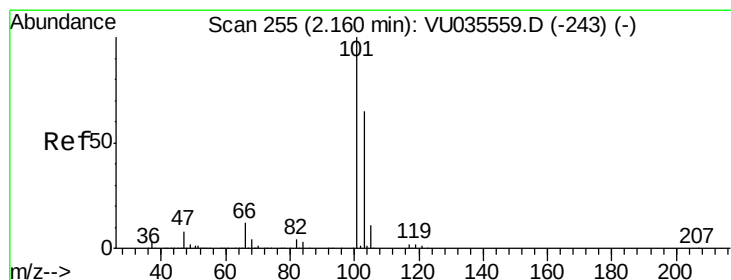
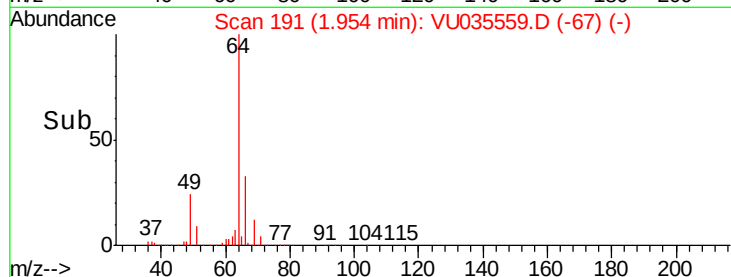
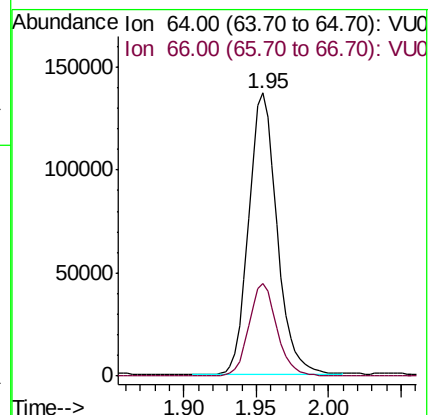
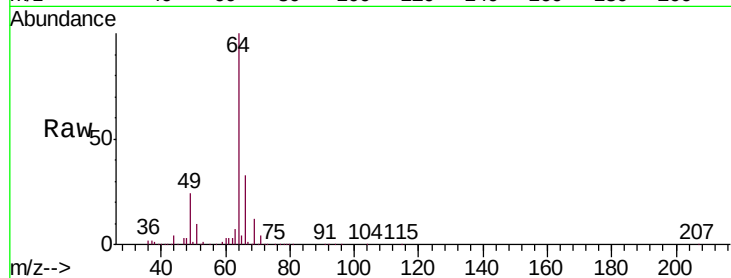
VSTD05032

Tgt Ion: 64 Resp: 185566

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 48.377 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035559.D

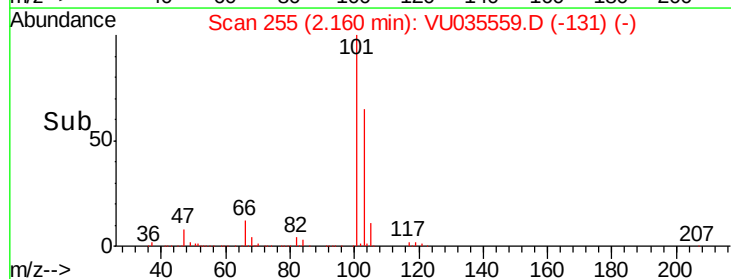
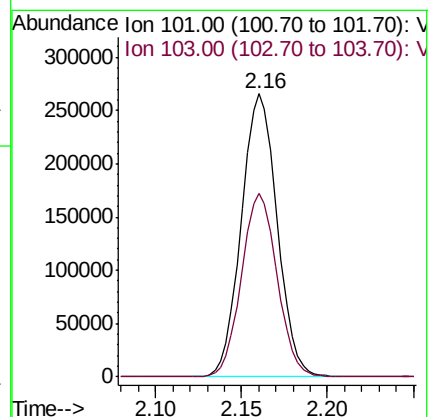
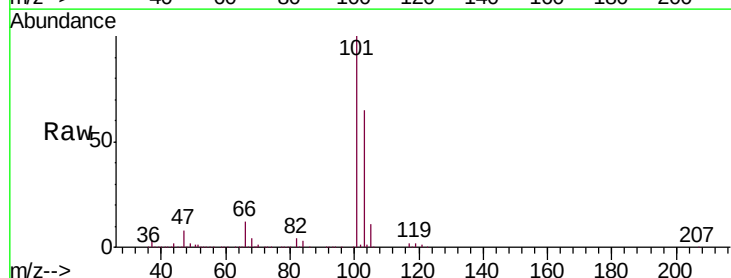
Acq: 30 Oct 2019 14:11

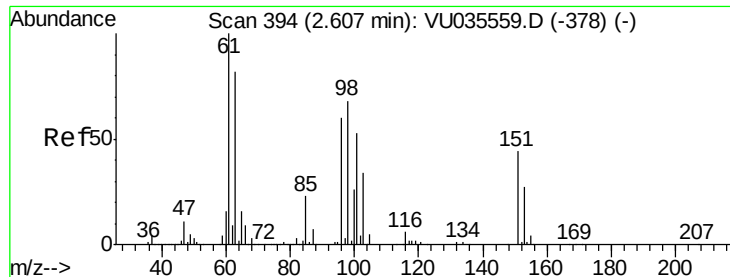
Tgt Ion: 101 Resp: 383844

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6





#10

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

Concen: 47.695 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

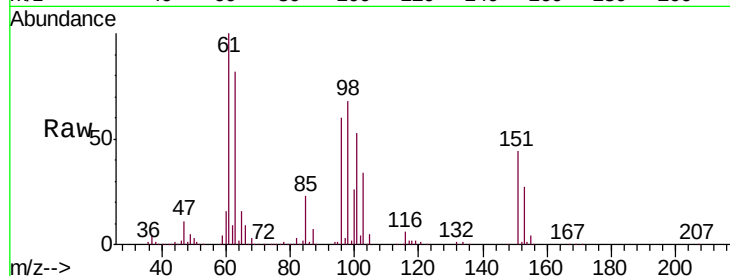
Tgt Ion: 101 Resp: 221288

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

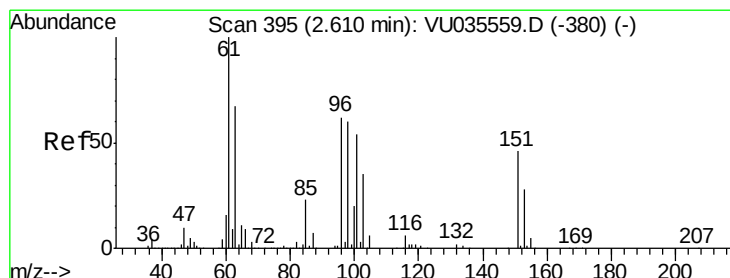
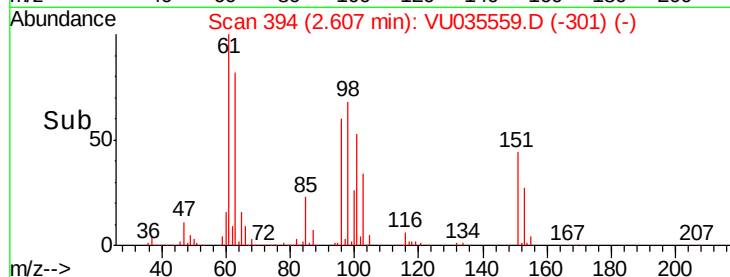
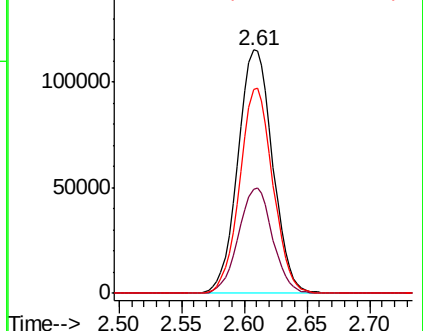
151 80.3 64.2 96.4



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: 49.444 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

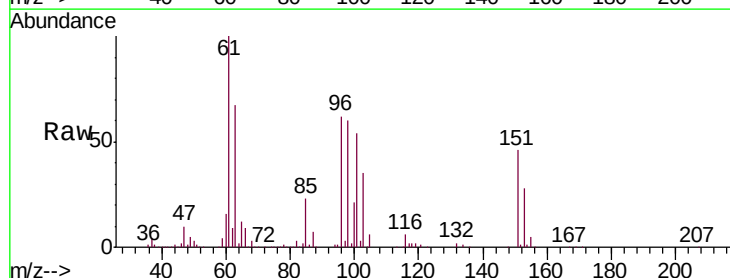
Tgt Ion: 96 Resp: 218370

Ion Ratio Lower Upper

96 100

61 161.6 113.1 210.1

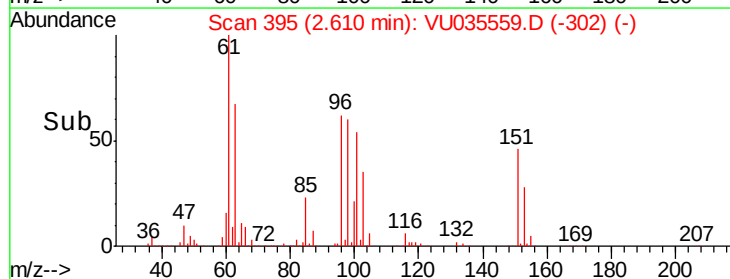
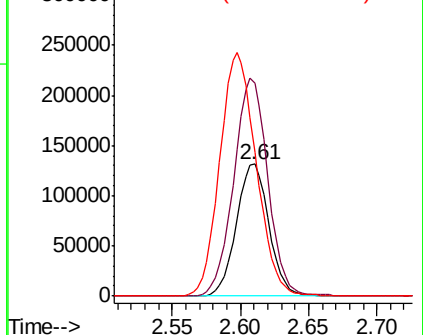
63 108.8 76.2 141.4

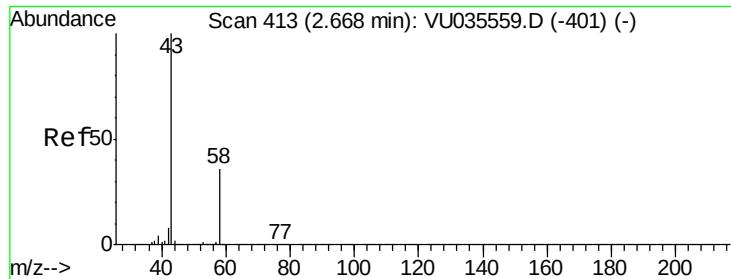


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.104 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

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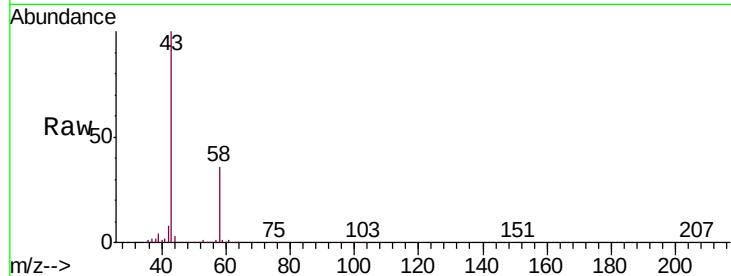
VSTD05032

Tgt Ion: 43 Resp: 289196

Ion Ratio Lower Upper

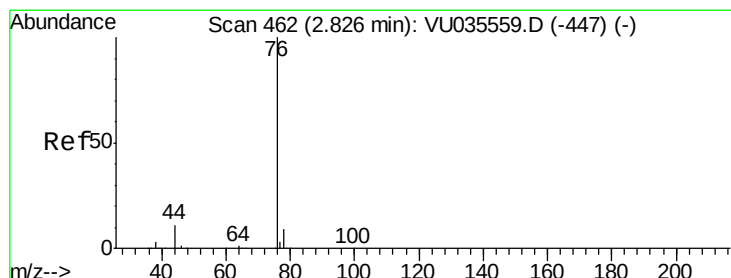
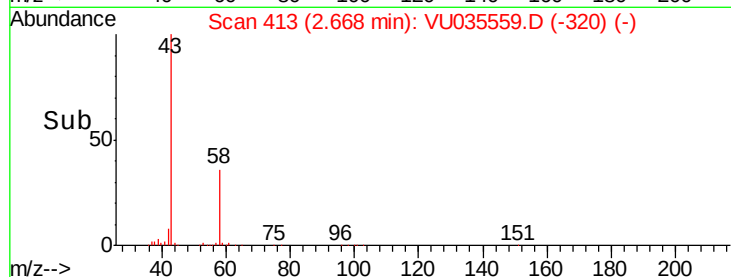
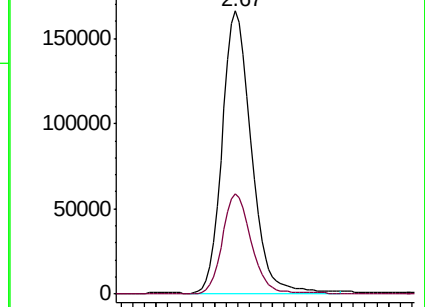
43 100

58 35.0 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-401) (-)

Ion 58.00 (57.70 to 58.70): VU035559.D (-401) (-)



#14

Carbon disulfide

Concen: 45.678 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035559.D

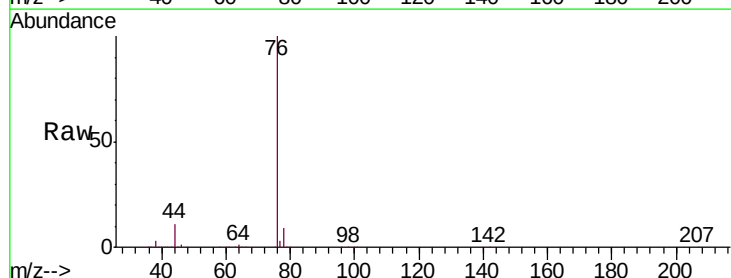
Acq: 30 Oct 2019 14:11

Tgt Ion: 76 Resp: 645453

Ion Ratio Lower Upper

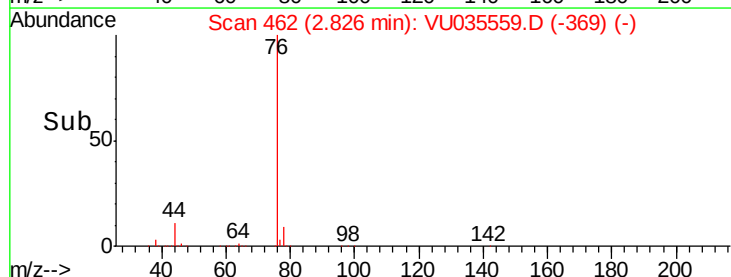
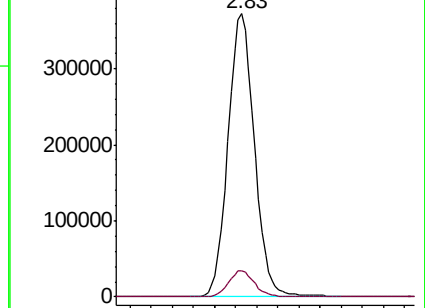
76 100

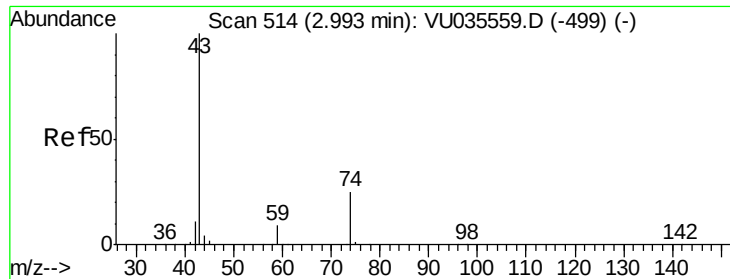
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035559.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035559.D (-447) (-)

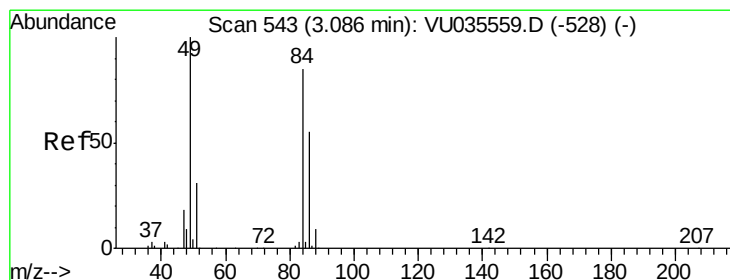
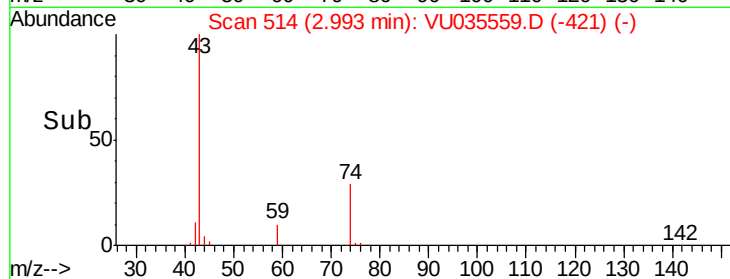
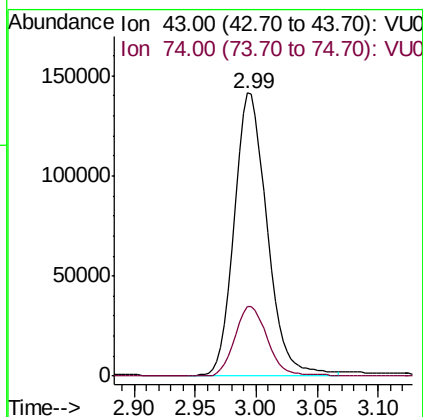
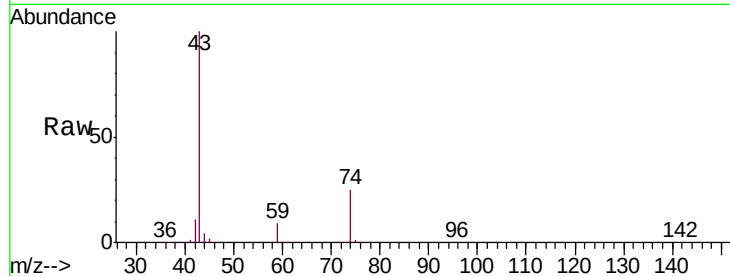




#15
Methyl Acetate
Concen: 45.213 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

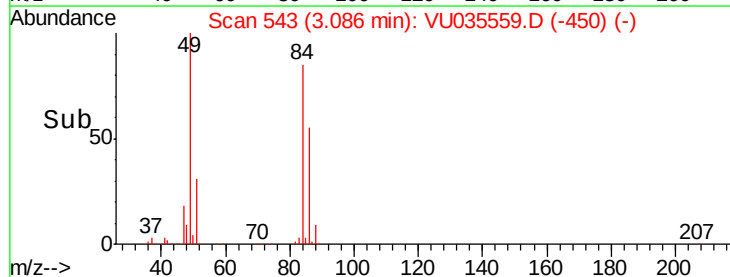
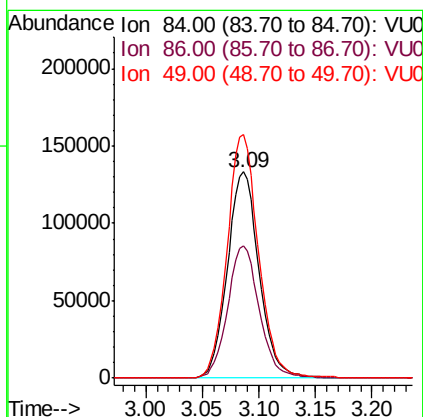
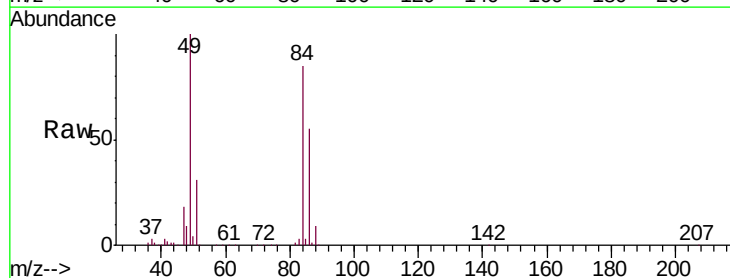
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

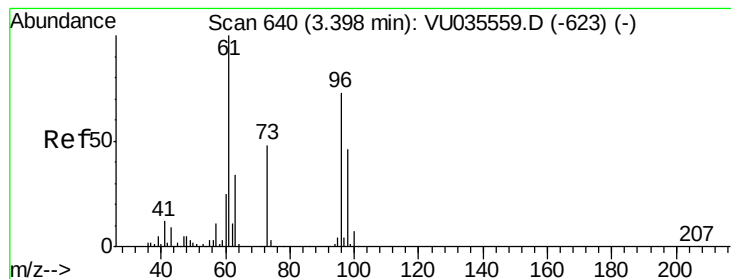
Tgt Ion: 43 Resp: 263465
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6



#16
Methylene chloride
Concen: 47.710 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

Tgt Ion: 84 Resp: 260164
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 118.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 48.079 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

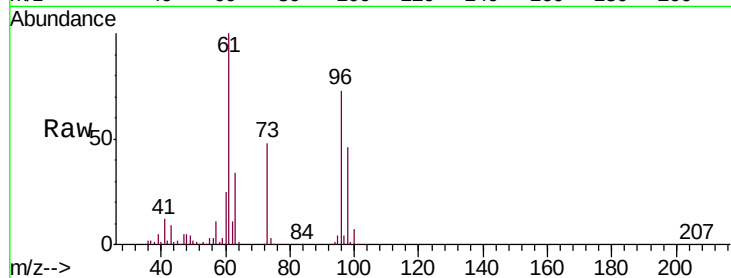
Tgt Ion: 96 Resp: 224712

Ion Ratio Lower Upper

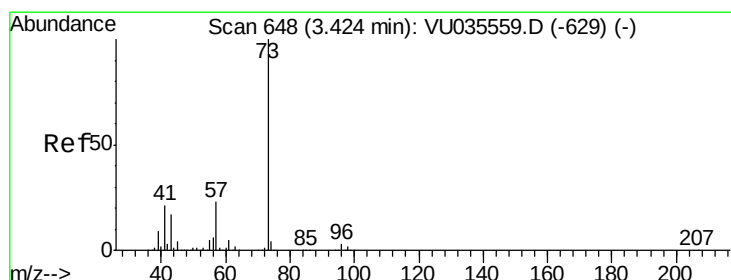
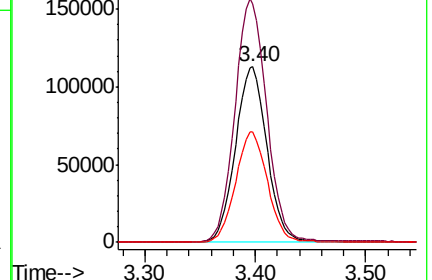
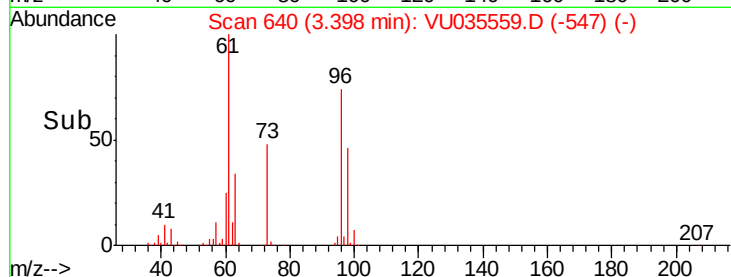
96 100

61 136.1 95.3 176.9

98 62.9 44.0 81.8



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



#18

Methyl tert-butyl Ether

Concen: 47.734 ug/L

RT: 3.42 min Scan# 648

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

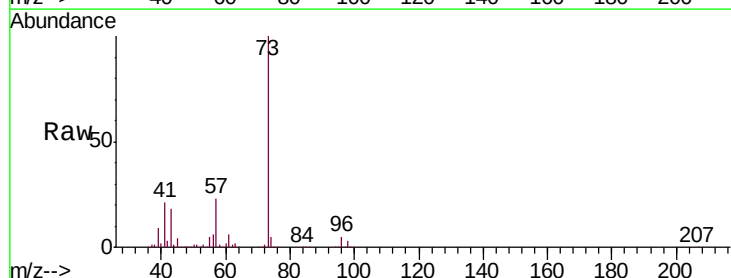
Tgt Ion: 73 Resp: 694695

Ion Ratio Lower Upper

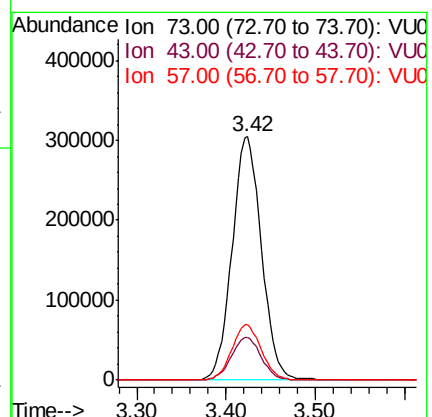
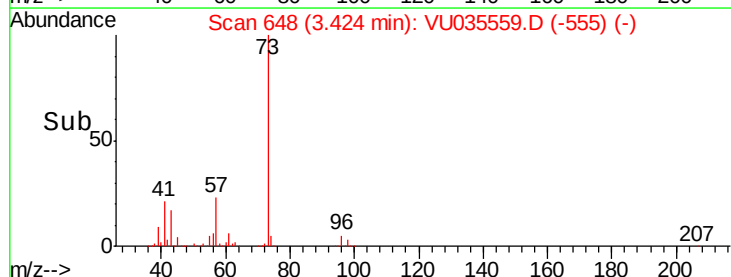
73 100

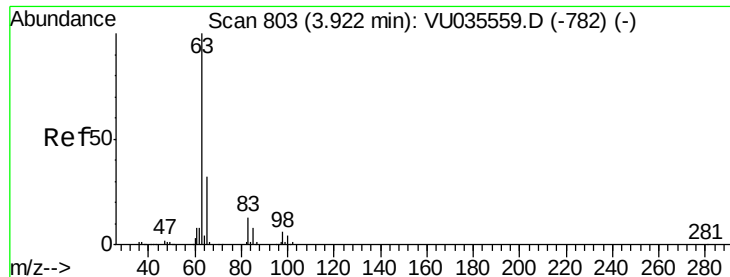
43 17.7 14.2 21.2

57 22.9 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 46.330 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

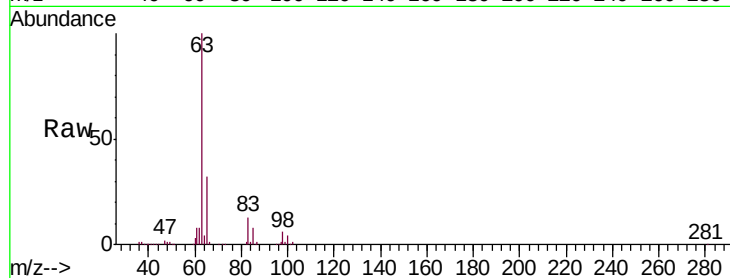
Tgt Ion: 63 Resp: 440568

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 13.0 9.1 16.9

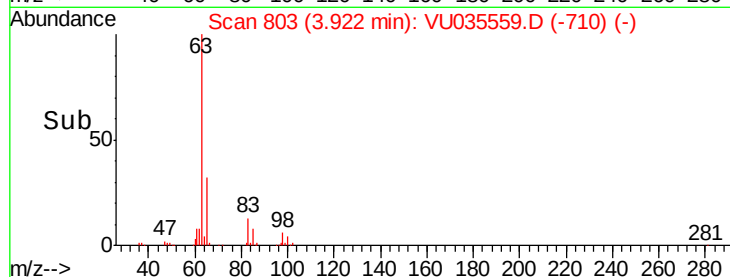


Abundance Ion 63.00 (62.70 to 63.70): VU035559.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU035559.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU035559.D (-782) (-)

Time-->



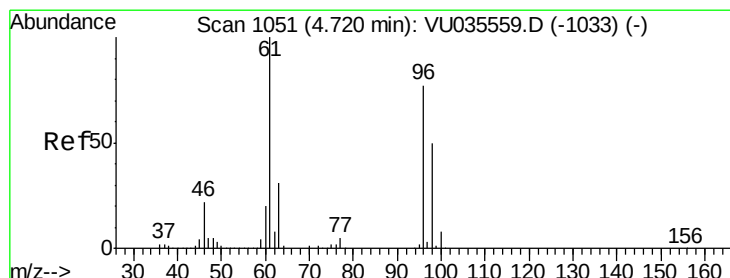
Abundance

Ion 63.00 (62.70 to 63.70): VU035559.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VU035559.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VU035559.D (-710) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 48.887 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

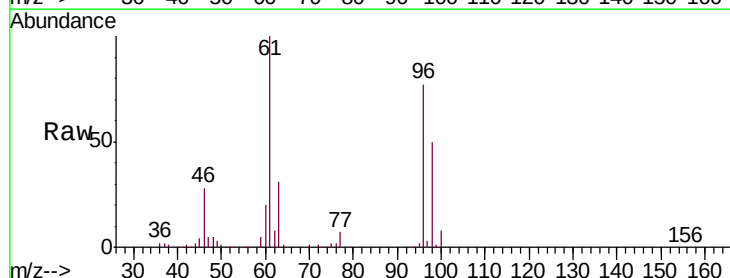
Tgt Ion: 96 Resp: 257515

Ion Ratio Lower Upper

96 100

61 129.5 90.6 168.3

68 0.0 0.0 0.0

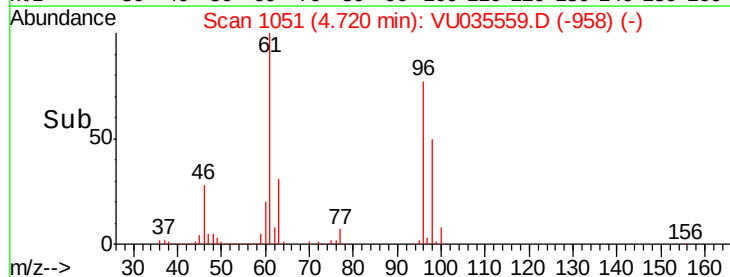


Abundance Ion 96.00 (95.70 to 96.70): VU035559.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU035559.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU035559.D (-1033) (-)

Time-->



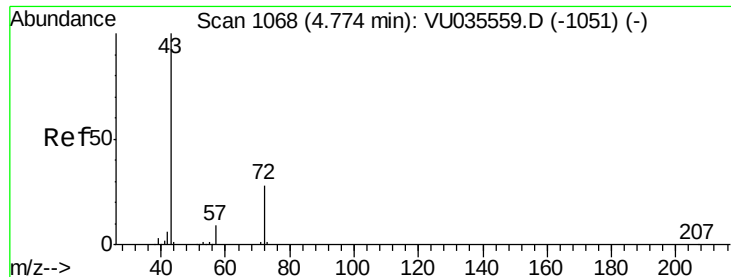
Abundance

Ion 96.00 (95.70 to 96.70): VU035559.D (-958) (-)

Ion 61.00 (60.70 to 61.70): VU035559.D (-958) (-)

Ion 68.00 (67.70 to 68.70): VU035559.D (-958) (-)

Time-->



#22

2-Butanone

Concen: 88.635 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

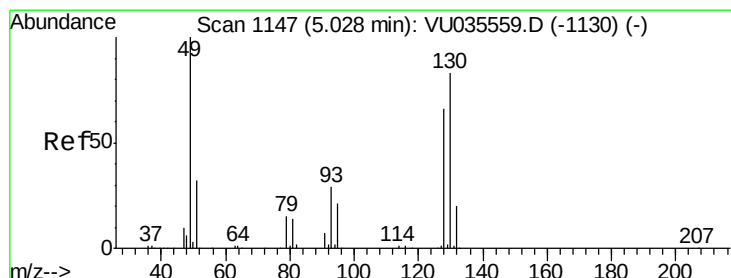
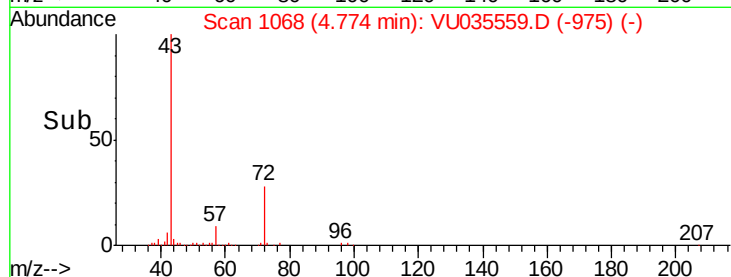
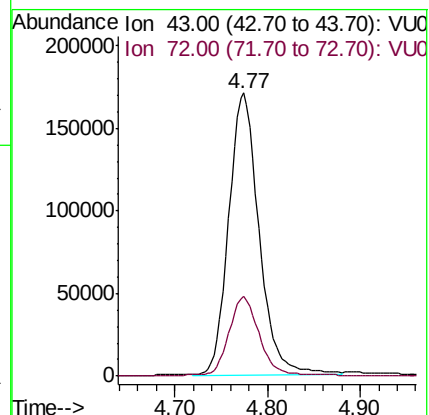
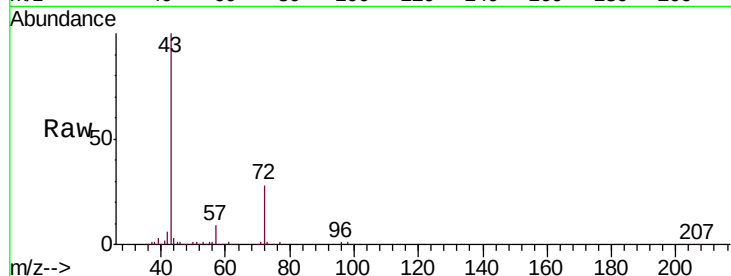
VSTD05032

Tgt Ion: 43 Resp: 389298

Ion Ratio Lower Upper

43 100

72 26.9 13.5 40.4



#23

Bromochloromethane

Concen: 50.013 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Tgt Ion: 128 Resp: 135267

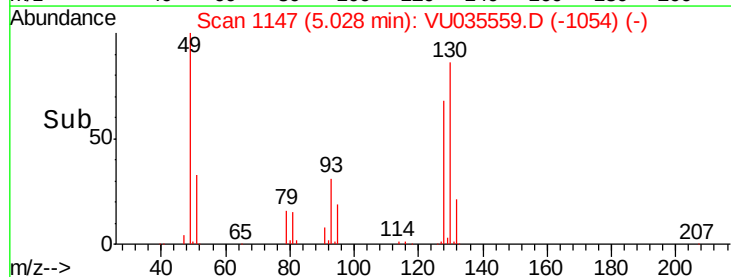
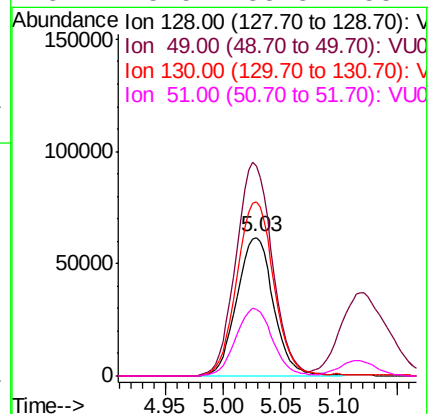
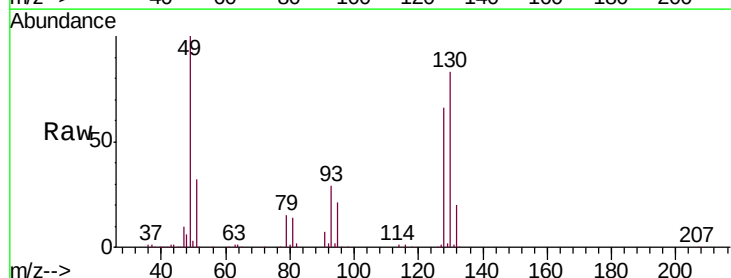
Ion Ratio Lower Upper

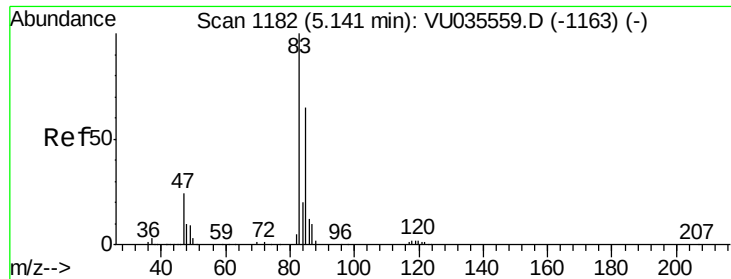
128 100

49 152.0 106.4 197.6

130 125.8 88.1 163.5

51 48.5 38.8 58.2

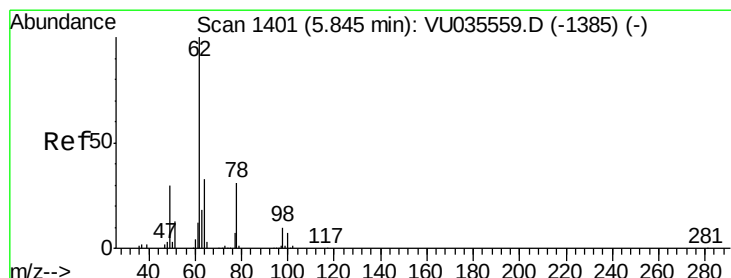
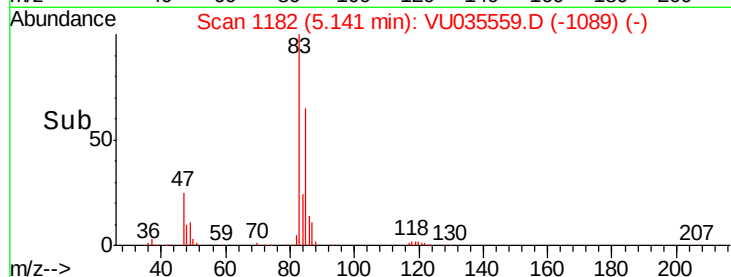
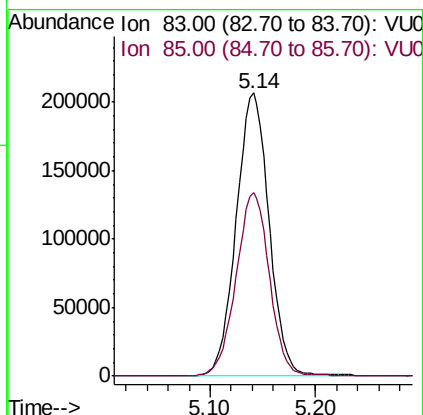
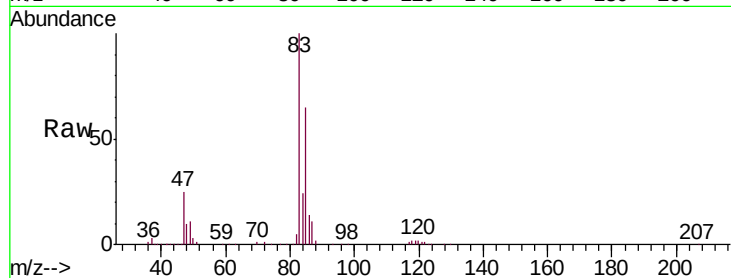




#25
Chloroform
Concen: 47.360 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

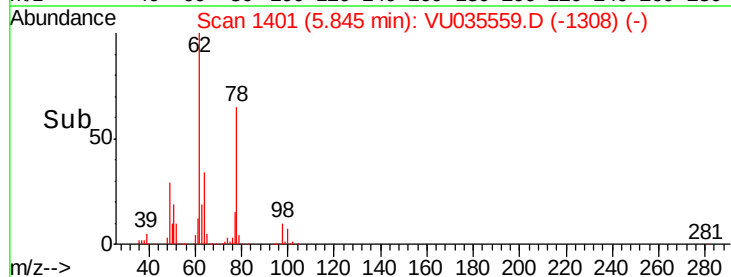
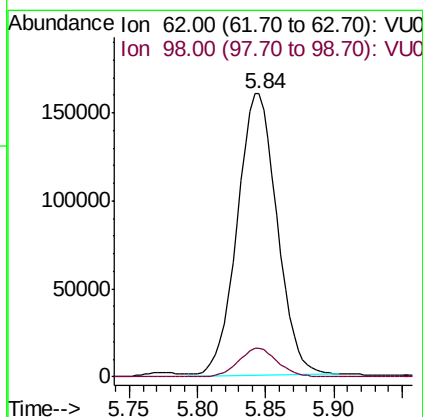
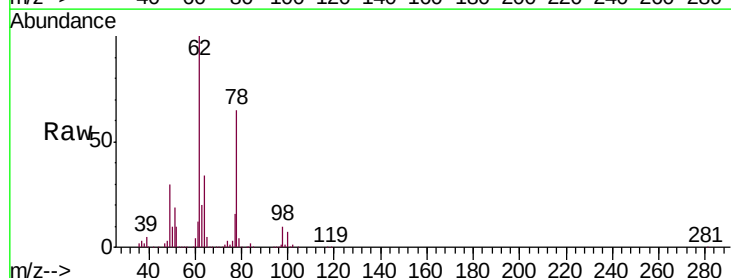
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

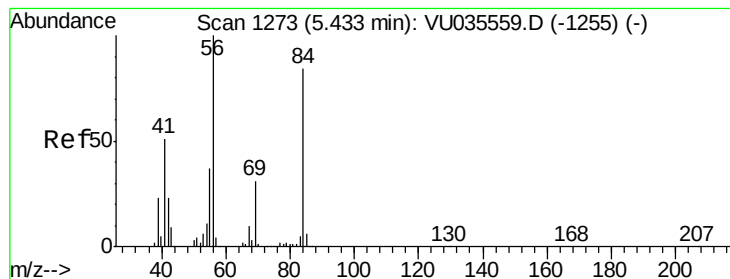
Tgt Ion: 83 Resp: 447224
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 45.239 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

Tgt Ion: 62 Resp: 325148
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2





#29

Cyclohexane

Concen: 47.604 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

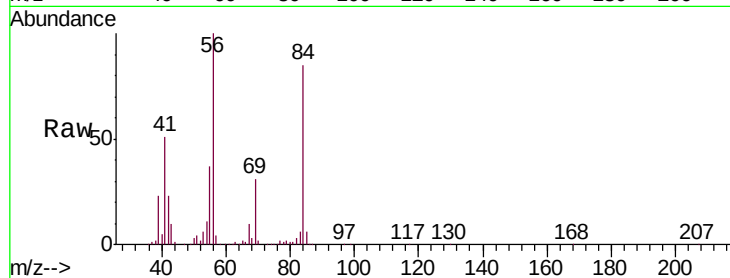
Tgt Ion: 56 Resp: 366007

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

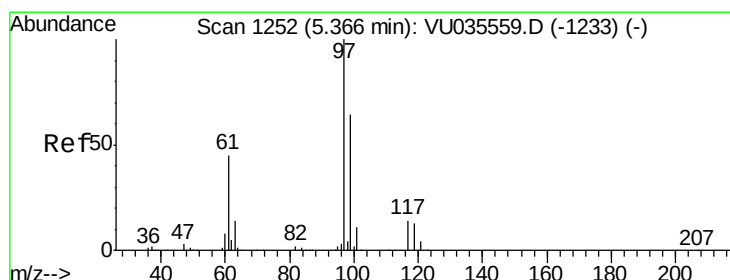
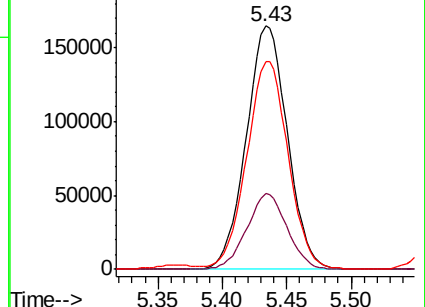
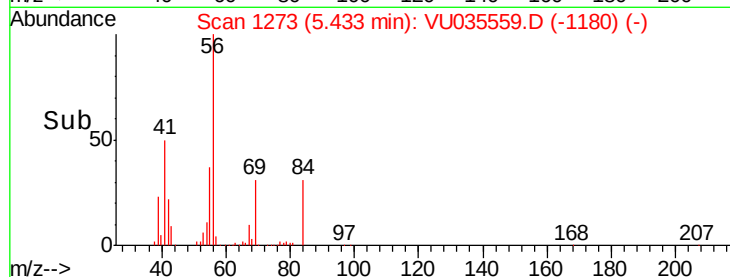
84 85.7 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VU035559.D (-1255) (-)

Ion 69.00 (68.70 to 69.70): VU035559.D (-1255) (-)

Ion 84.00 (83.70 to 84.70): VU035559.D (-1255) (-)



#30

1,1,1-Trichloroethane

Concen: 48.271 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

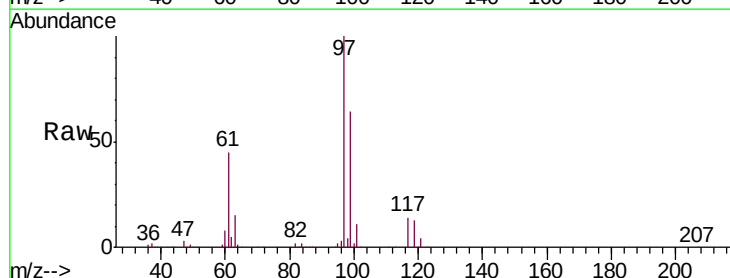
Tgt Ion: 97 Resp: 366281

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

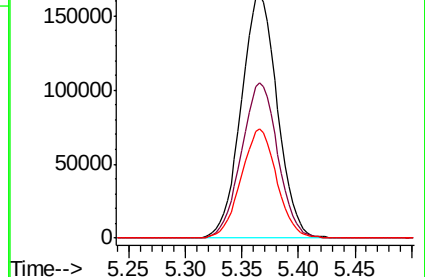
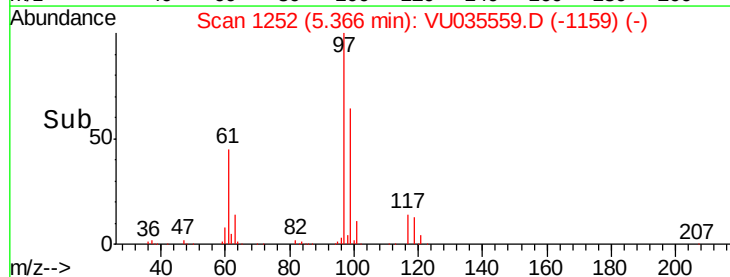
61 43.9 35.1 52.7

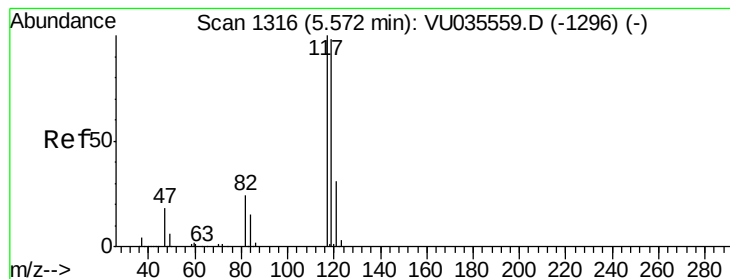


Abundance Ion 97.00 (96.70 to 97.70): VU035559.D (-1233) (-)

Ion 99.00 (98.70 to 99.70): VU035559.D (-1233) (-)

Ion 61.05 (60.75 to 61.75): VU035559.D (-1233) (-)





#31

Carbon tetrachloride

Concen: 48.780 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

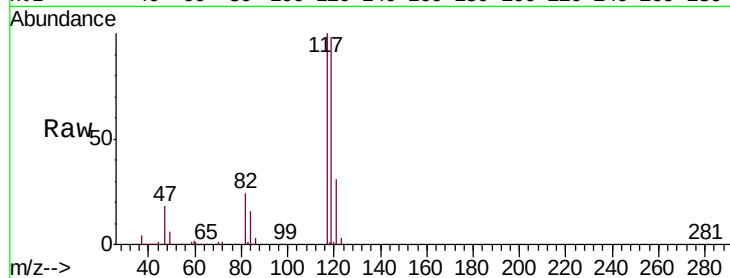
VSTD05032

Tgt Ion:117 Resp: 326802

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

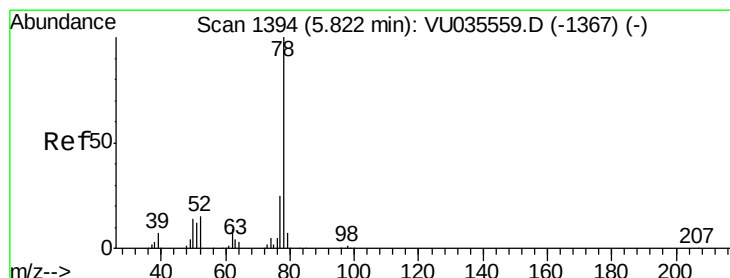
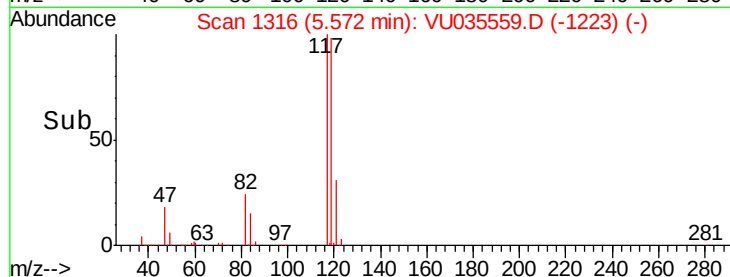
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 48.242 ug/L

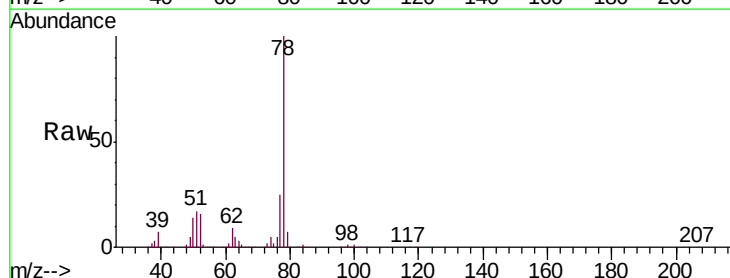
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Tgt Ion: 78 Resp: 990989



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

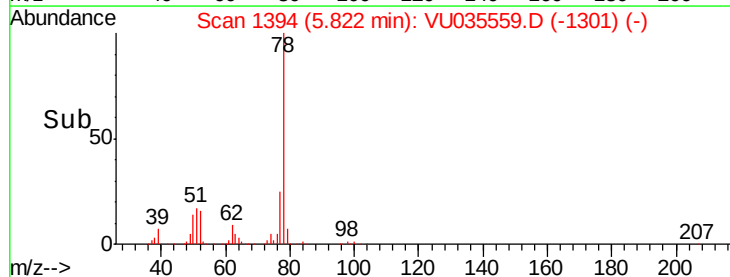
200000

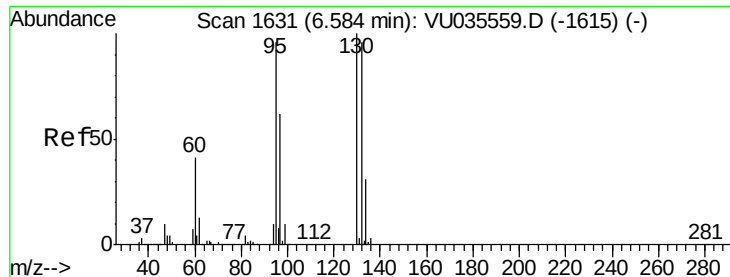
100000

0

5.70 5.80 5.90

Time-->

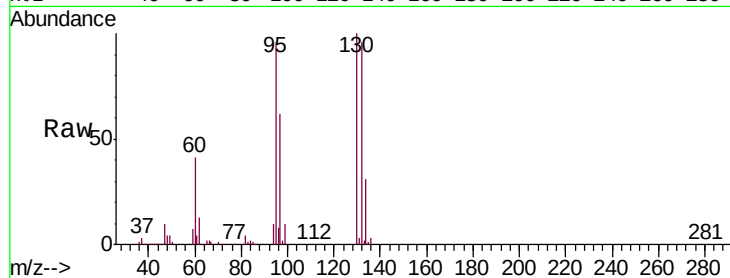




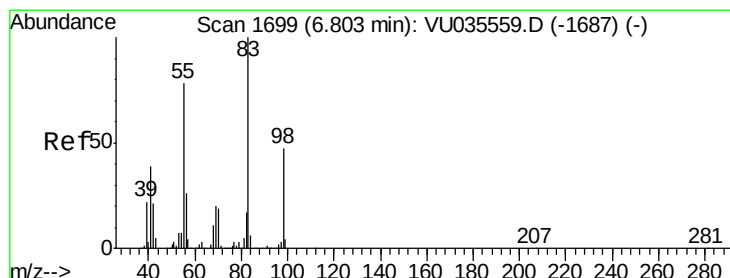
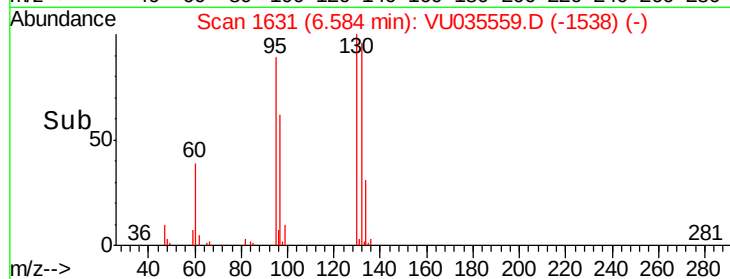
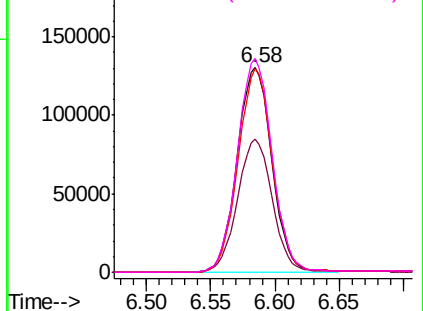
#34
 Trichloroethene
 Concen: 48.288 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	95	Resp:	245493
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.6	84.6
132	99.8	69.9	129.7
130	104.4	73.1	135.7

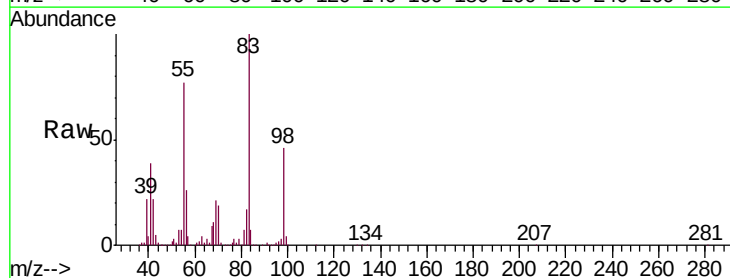


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

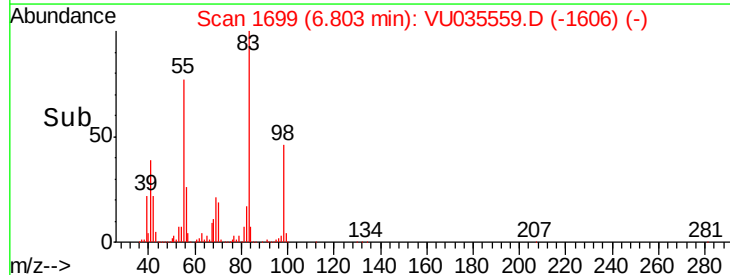
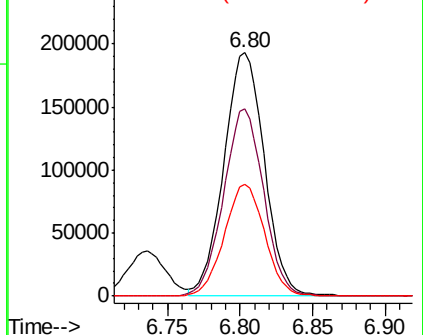


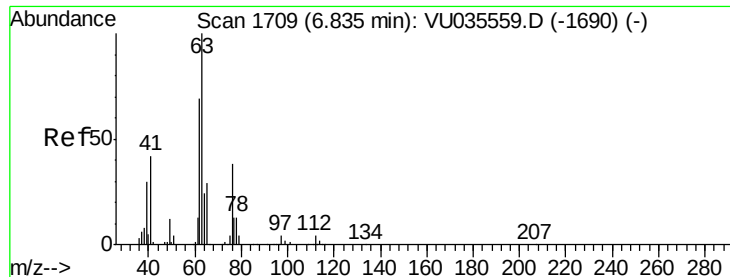
#35
 Methylcyclohexane
 Concen: 51.905 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion:	83	Resp:	371615
Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	45.7	36.6	54.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

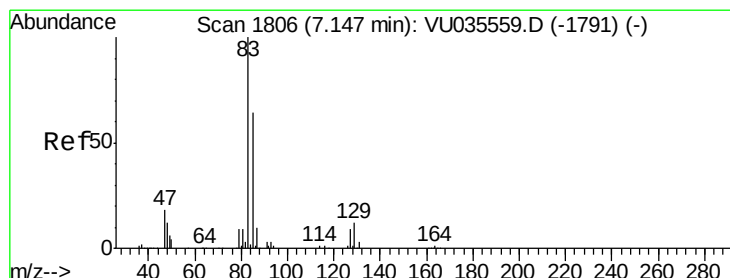
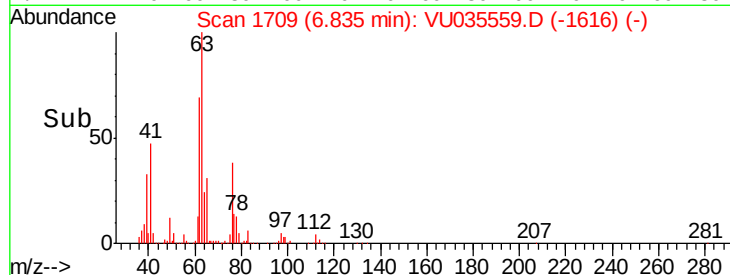
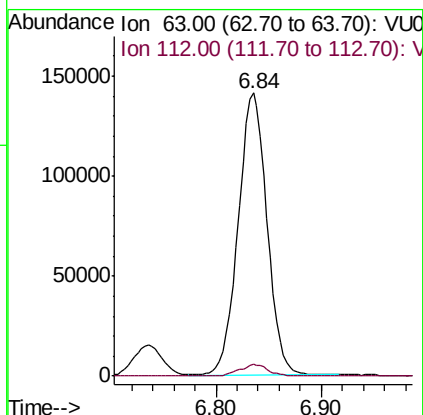
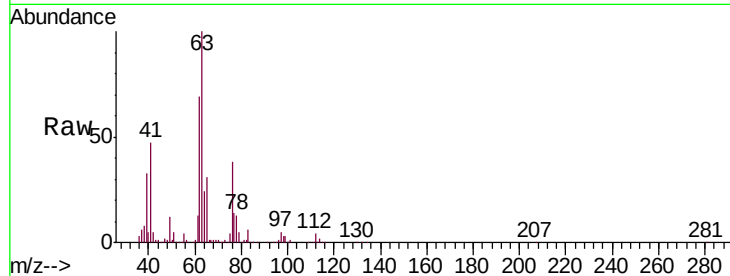




#37
 1,2-Dichloropropane
 Concen: 47.581 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

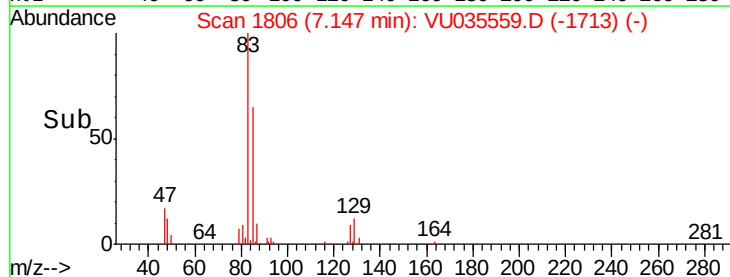
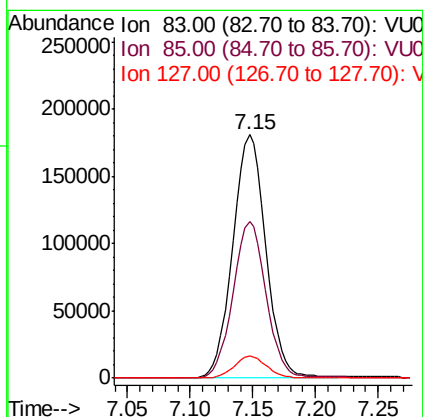
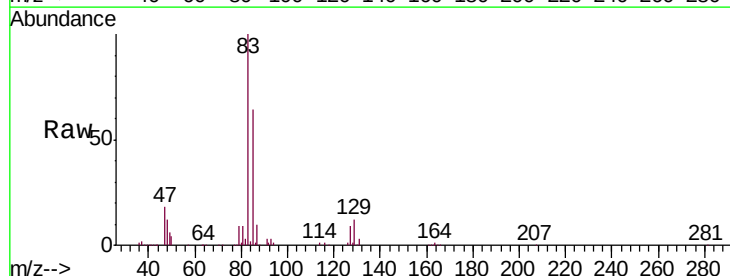
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

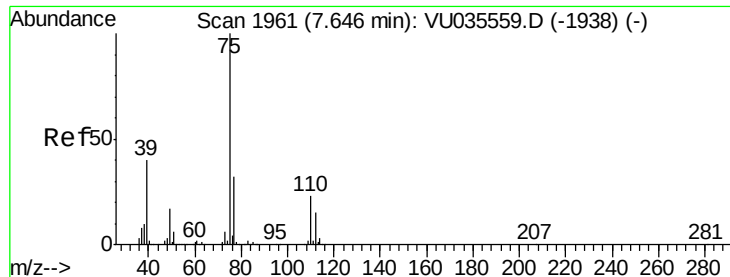
Tgt Ion: 63 Resp: 267953
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 47.509 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion: 83 Resp: 331361
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.0 7.2 10.8

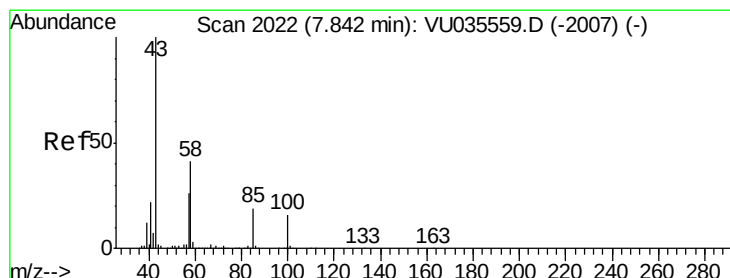
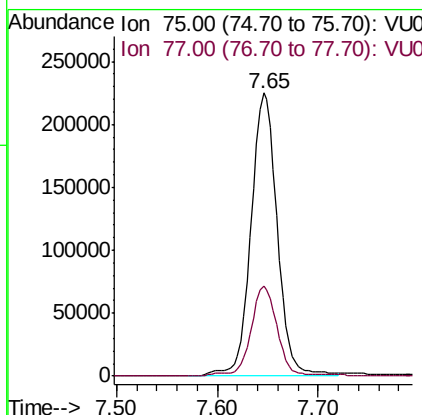
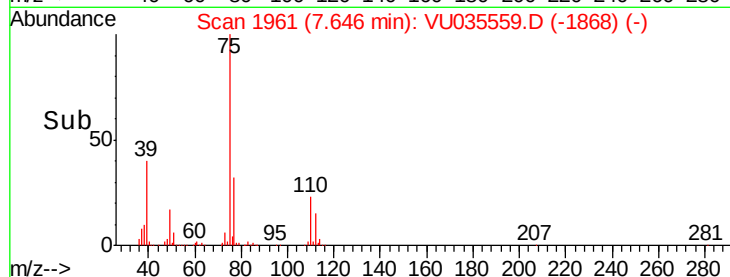
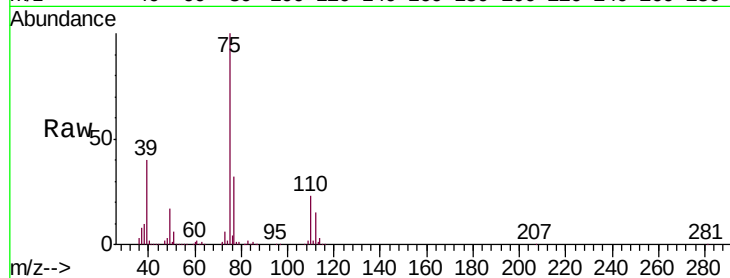




#39
 cis-1,3-Dichloropropene
 Concen: 48.859 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

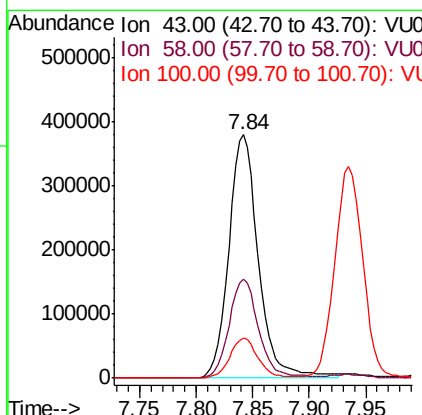
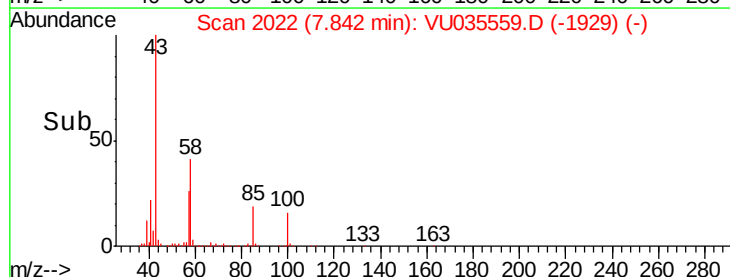
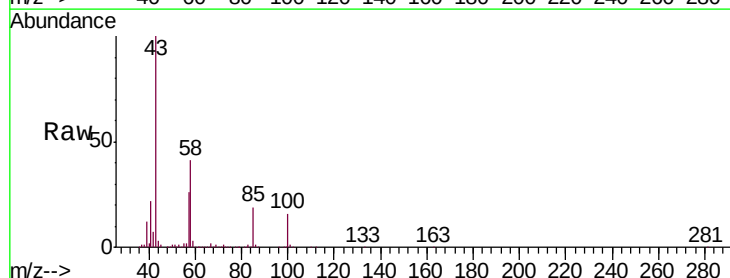
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

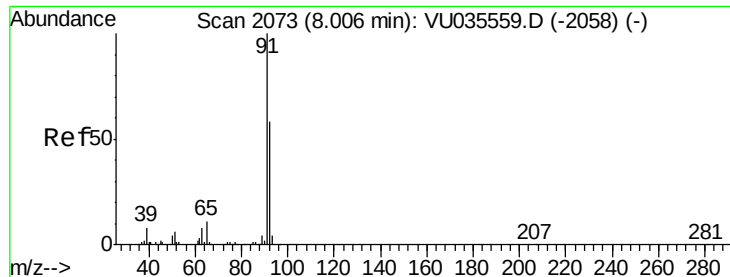
Tgt Ion: 75 Resp: 405528
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 90.926 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion: 43 Resp: 690520
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 49.0
 100 15.8 12.6 19.0





#42

Toluene

Concen: 50.118 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

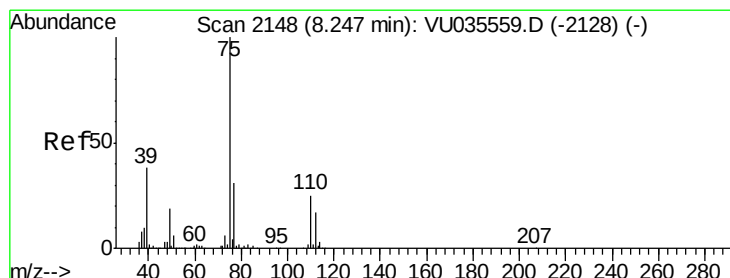
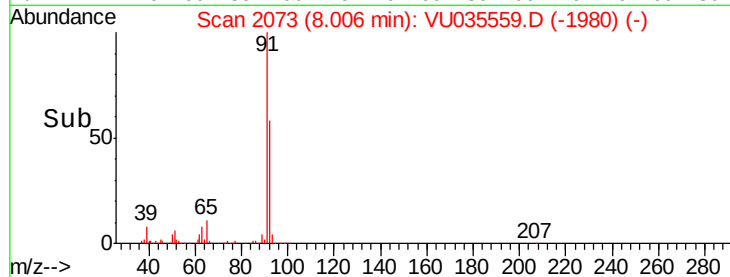
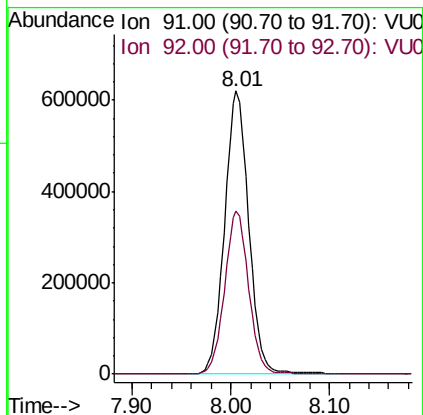
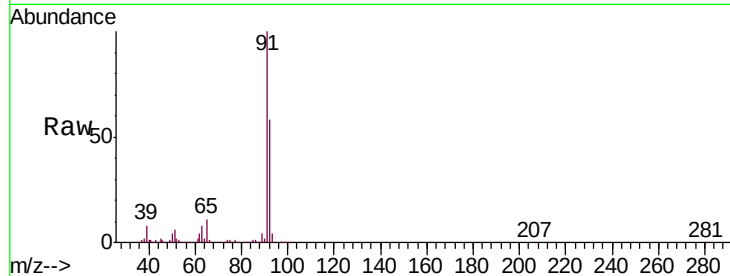
VSTD05032

Tgt Ion: 91 Resp: 1068282

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 48.322 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035559.D

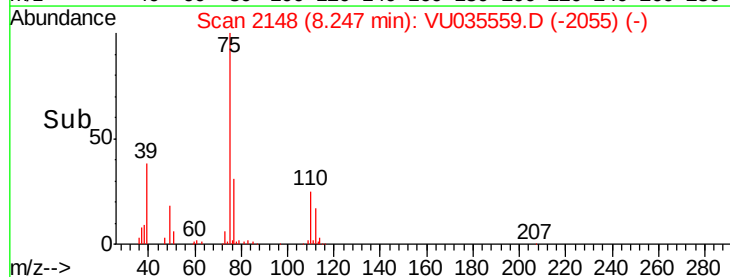
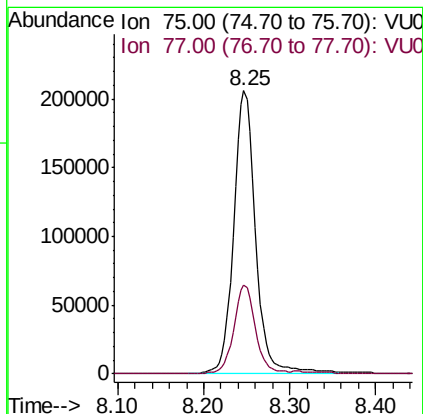
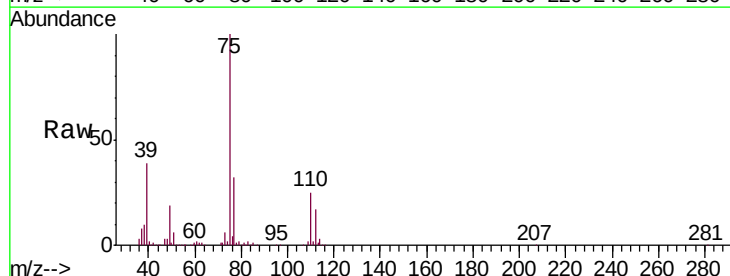
Acq: 30 Oct 2019 14:11

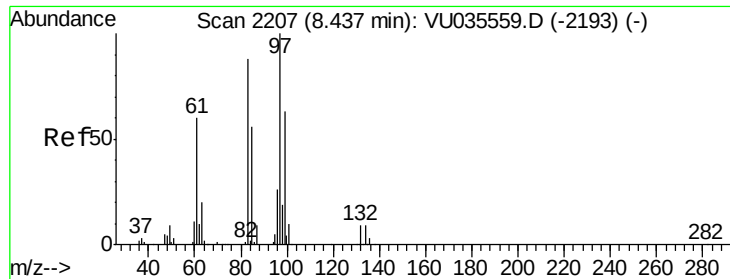
Tgt Ion: 75 Resp: 365408

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

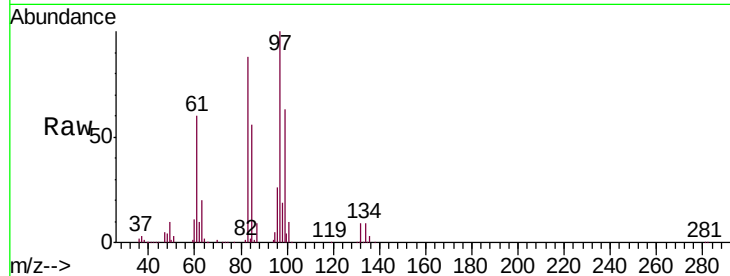




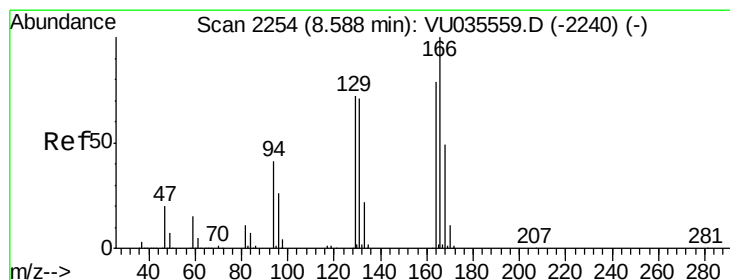
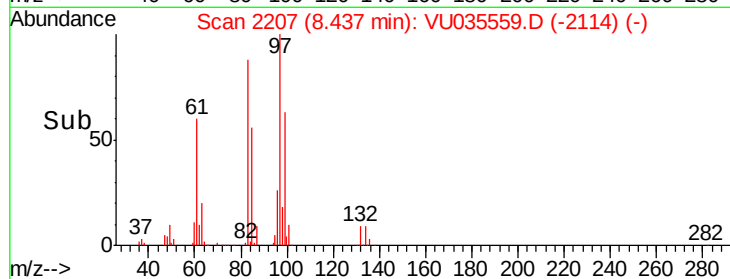
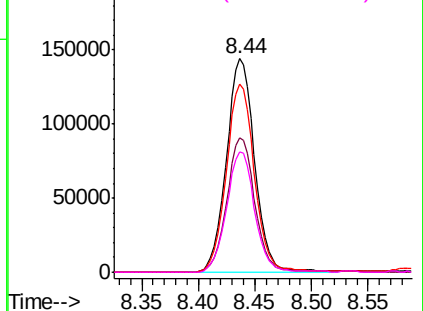
#45
 1,1,2-Trichloroethane
 Concen: 48.530 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	97	Resp:	250611
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	87.9	61.5	114.3
85	56.2	39.3	73.1

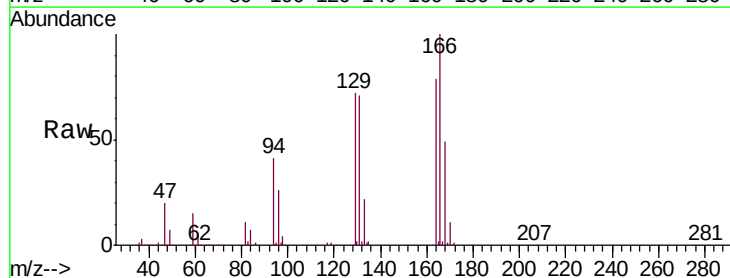


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

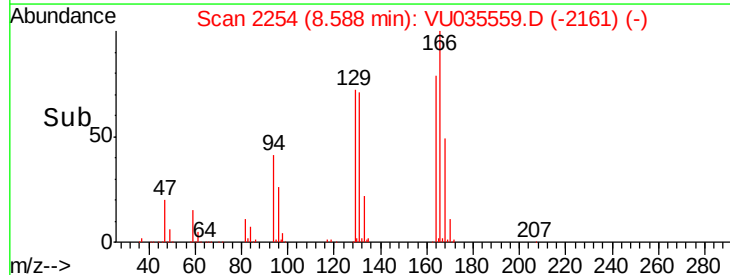
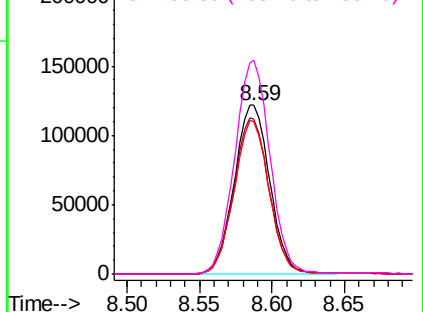


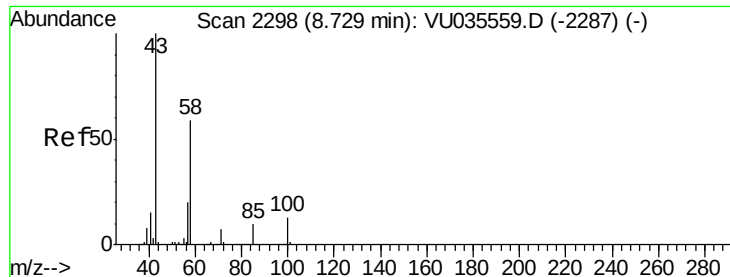
#46
 Tetrachloroethene
 Concen: 51.533 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion:	164	Resp:	207627
Ion	Ratio	Lower	Upper
164	100		
129	91.6	64.1	119.1
131	90.1	63.1	117.1
166	126.4	88.5	164.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

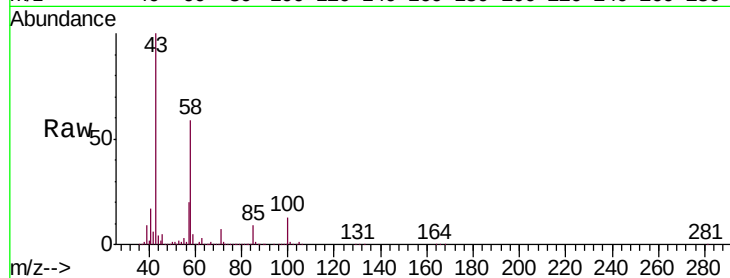




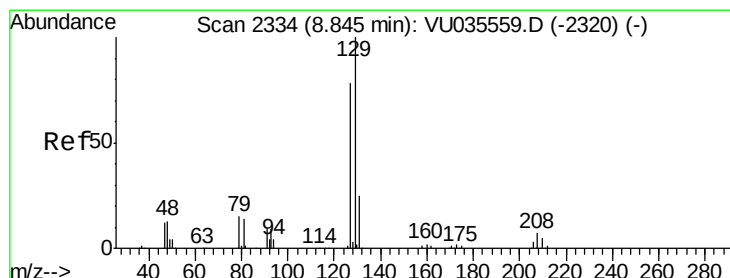
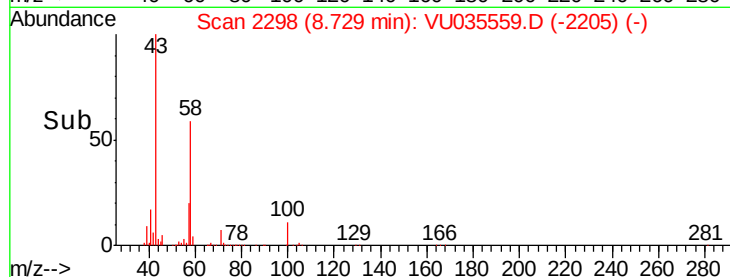
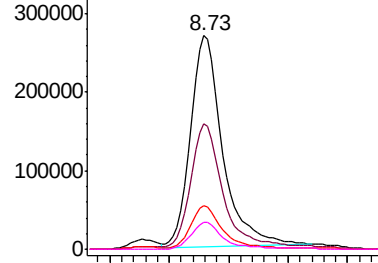
#48
2-Hexanone
Concen: 82.102 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion: 43 Resp: 501003
Ion Ratio Lower Upper
43 100
58 63.0 50.4 75.6
57 21.7 17.4 26.0
100 13.1 10.5 15.7

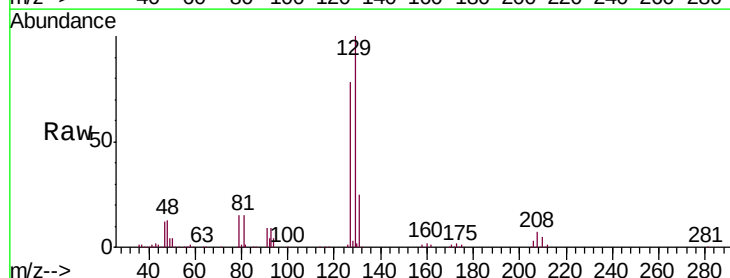


Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-2287) (-)
Ion 58.00 (57.70 to 58.70): VU035559.D (-2287) (-)
Ion 57.00 (56.70 to 57.70): VU035559.D (-2287) (-)
Ion 100.00 (99.70 to 100.70): VU035559.D (-2287) (-)

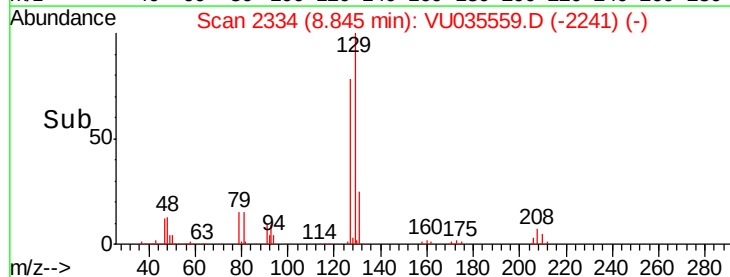
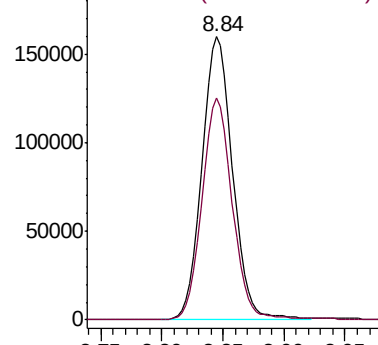


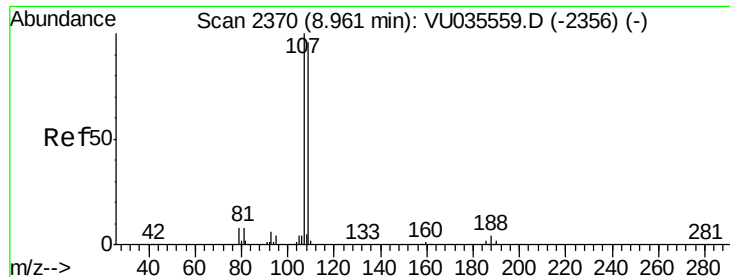
#49
Dibromochloromethane
Concen: 50.131 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

Tgt Ion: 129 Resp: 280638
Ion Ratio Lower Upper
129 100
127 78.4 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VU035559.D (-2320) (-)
Ion 127.00 (126.70 to 127.70): VU035559.D (-2320) (-)

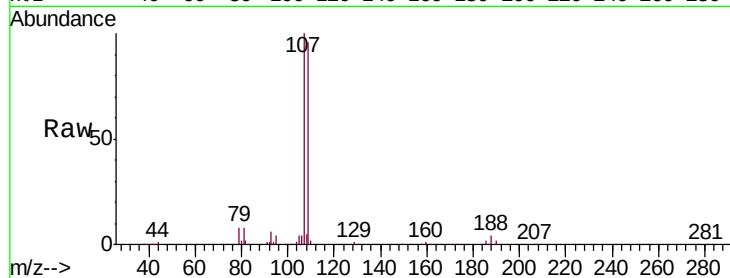




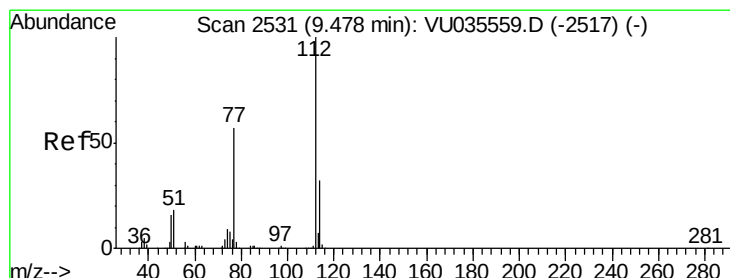
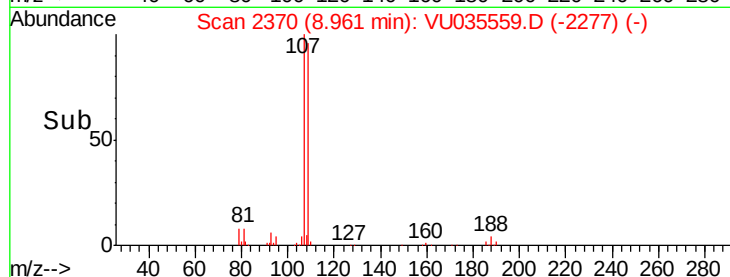
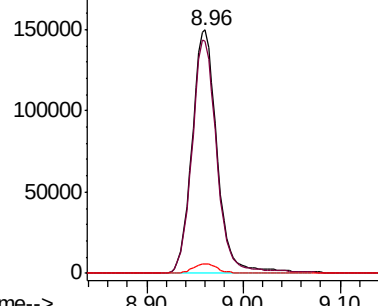
#50
 1,2-Dibromoethane
 Concen: 49.589 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.8	124.2
188	4.0	3.2	4.8

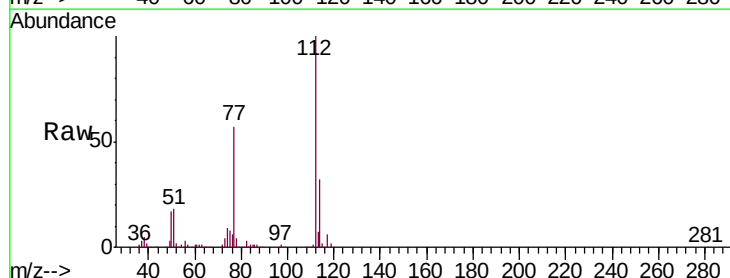


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

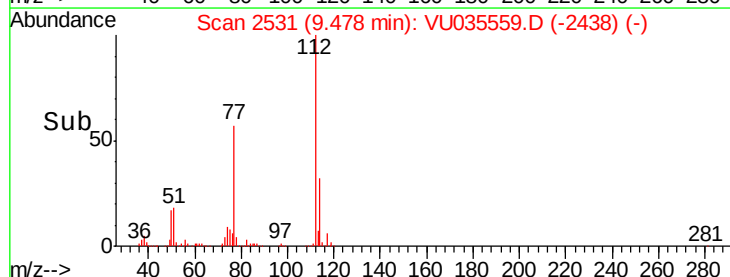
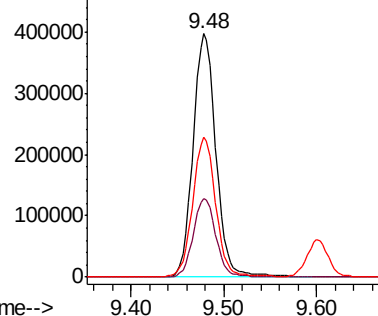


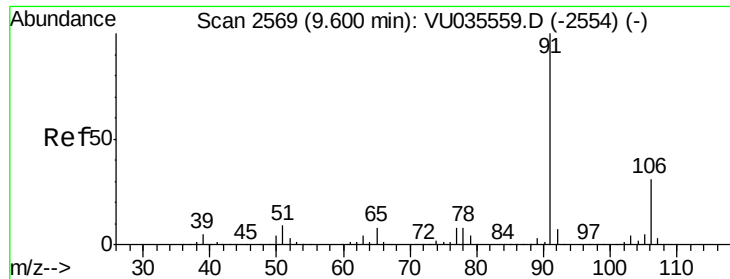
#51
 Chlorobenzene
 Concen: 48.952 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.3
77	57.4	45.9	68.9



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 49.711 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

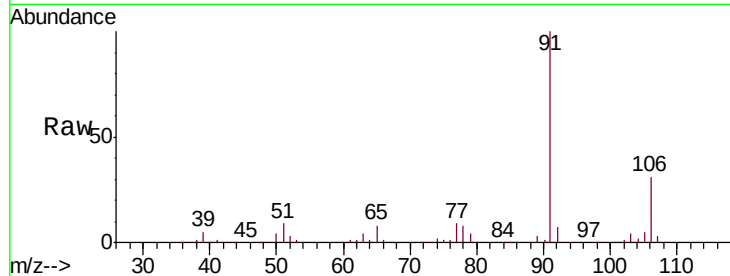
VSTD05032

Tgt Ion: 91 Resp: 1125451

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035559.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU035559.D (-2554) (-)

9.60

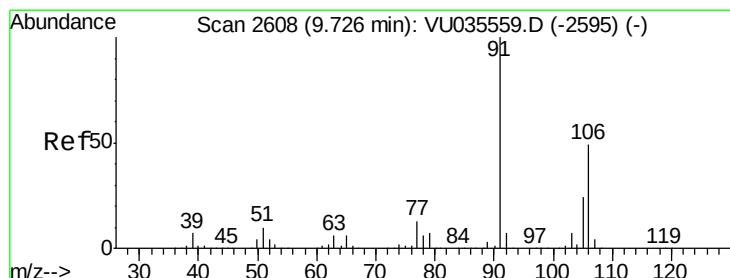
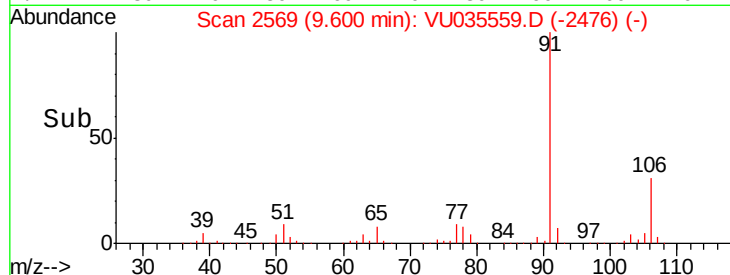
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 51.179 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035559.D

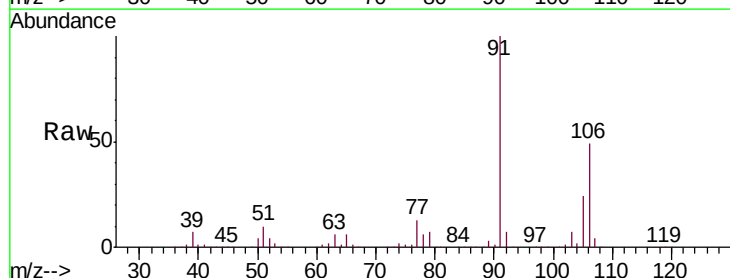
Acq: 30 Oct 2019 14:11

Tgt Ion: 106 Resp: 429963

Ion Ratio Lower Upper

106 100

91 203.8 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035559.D (-2595) (-)

Ion 91.00 (90.70 to 91.70): VU035559.D (-2595) (-)

9.73

600000

500000

400000

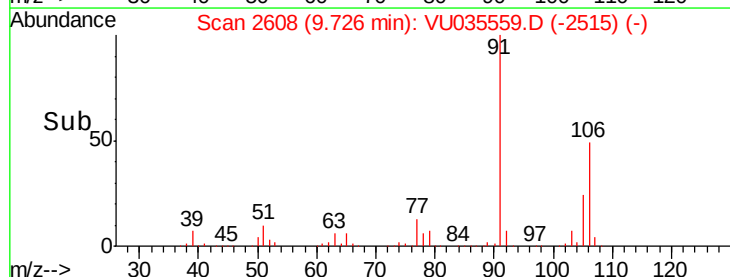
300000

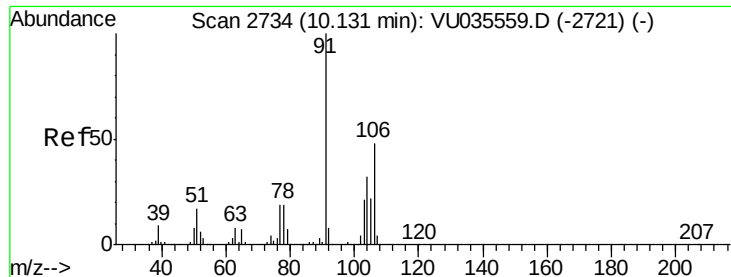
200000

100000

0

Time-->

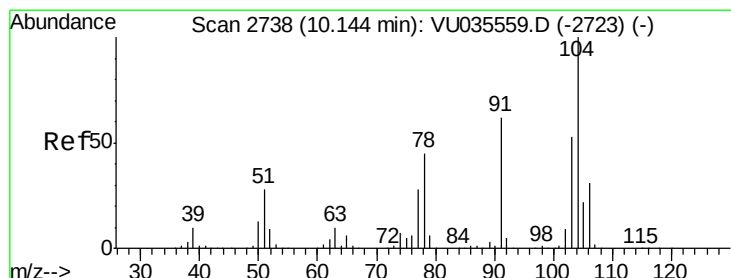
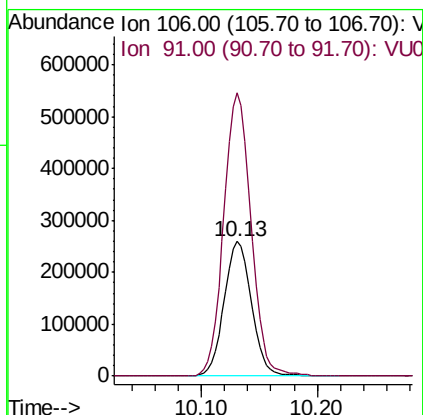
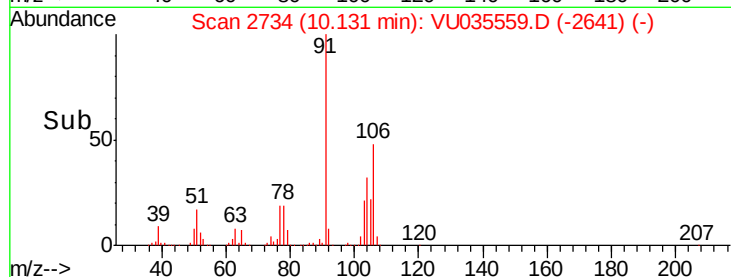
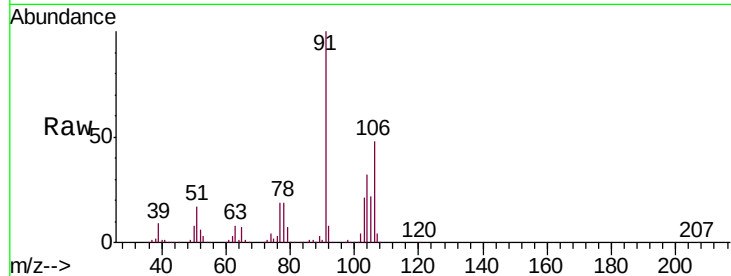




#54
o-xylene
Concen: 51.343 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

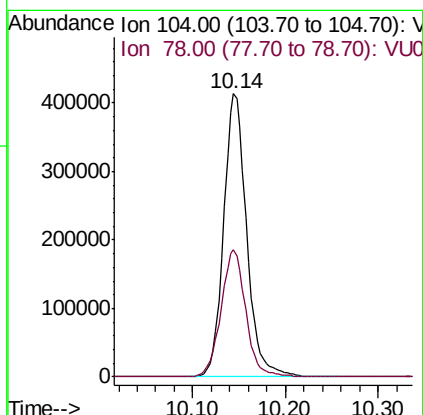
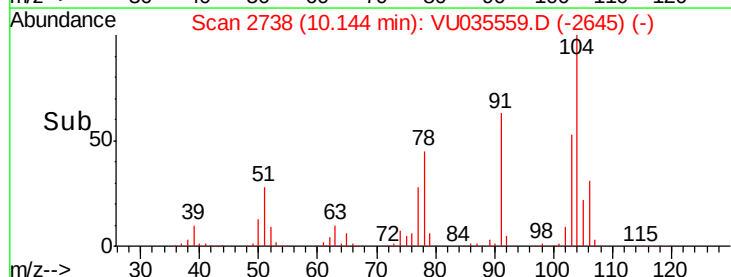
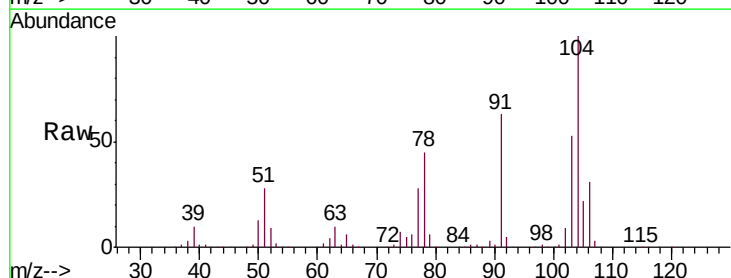
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

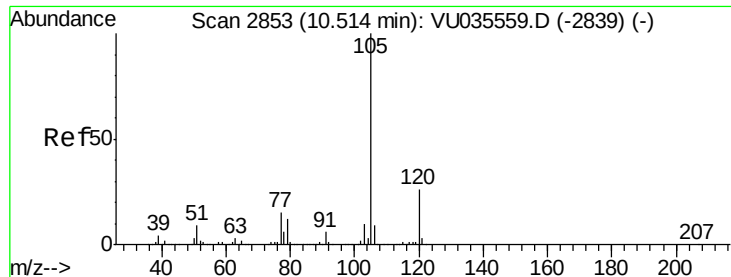
Tgt Ion:106 Resp: 422906
Ion Ratio Lower Upper
106 100
91 210.1 147.1 273.1



#55
Styrene
Concen: 52.795 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035559.D
Acq: 30 Oct 2019 14:11

Tgt Ion:104 Resp: 711016
Ion Ratio Lower Upper
104 100
78 44.9 31.4 58.4





#56

Isopropylbenzene

Concen: 51.229 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

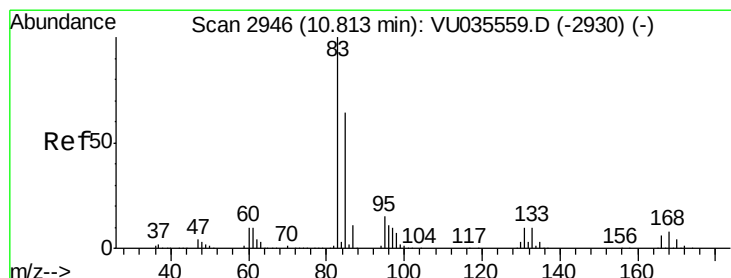
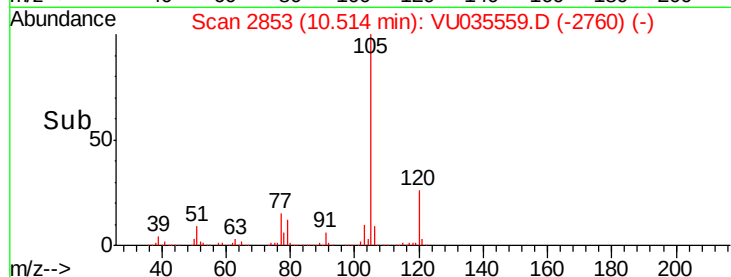
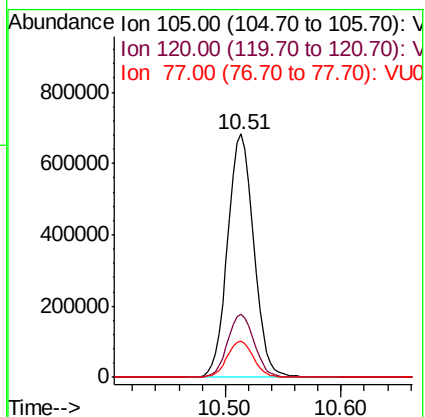
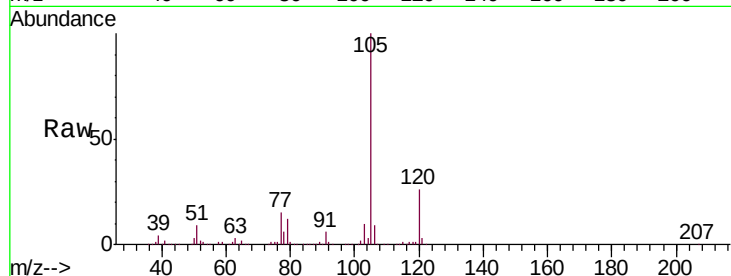
Tgt Ion:105 Resp: 1064323

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.3 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 47.236 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

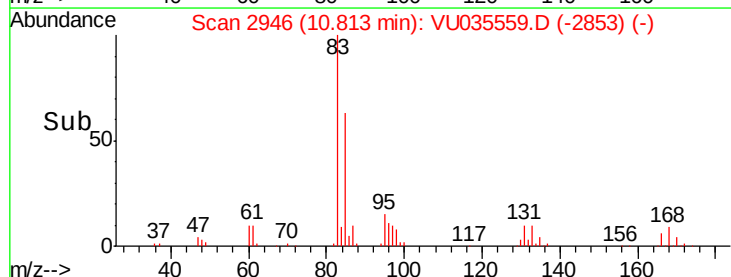
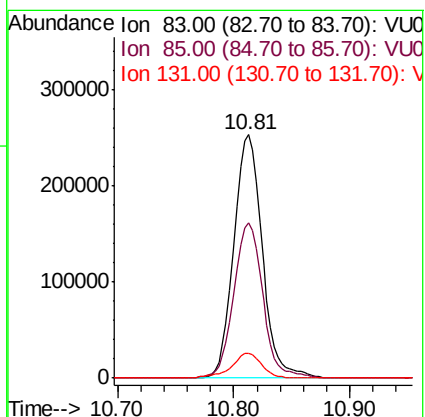
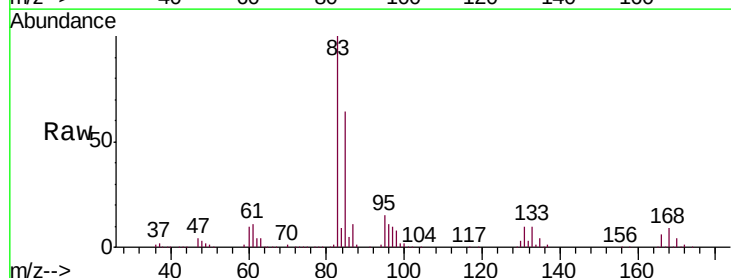
Tgt Ion: 83 Resp: 429500

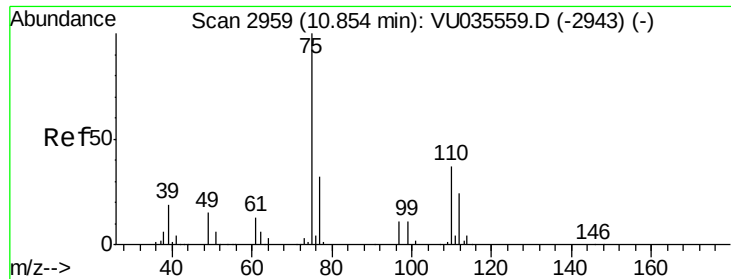
Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

131 10.3 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 46.392 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

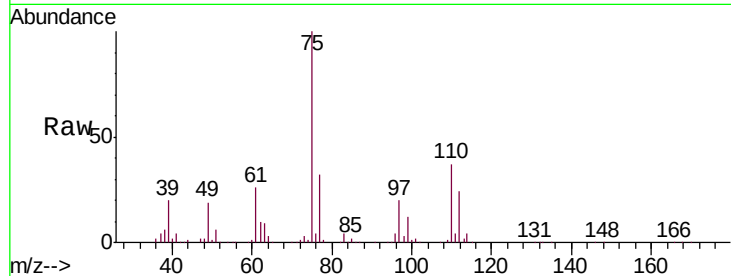
VSTD05032

Tgt Ion: 75 Resp: 333625

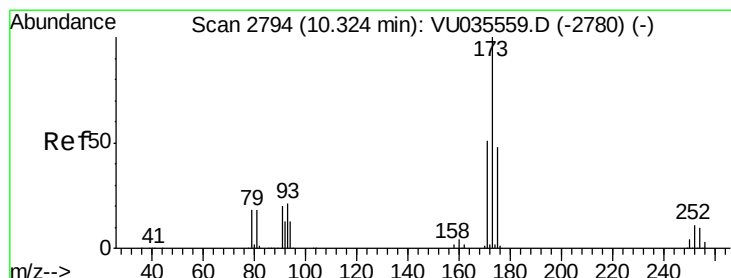
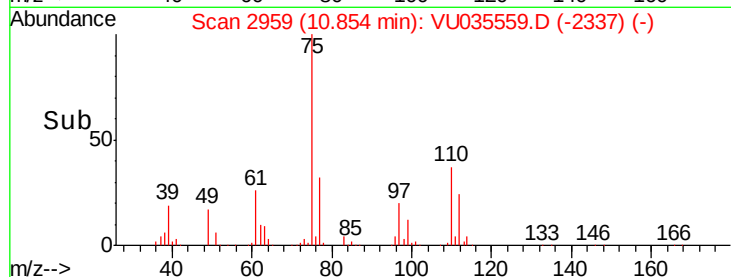
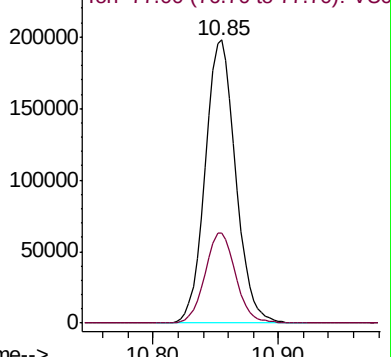
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-2943) (-)



#61

Bromoform

Concen: 45.925 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

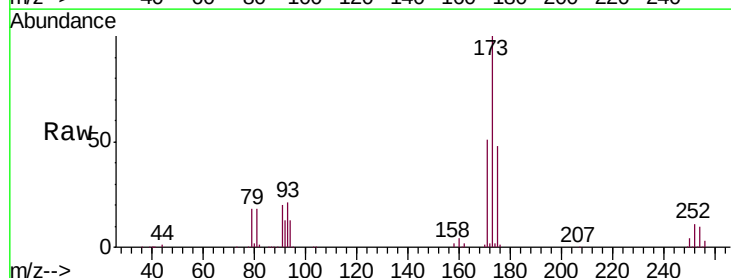
Tgt Ion: 173 Resp: 221420

Ion Ratio Lower Upper

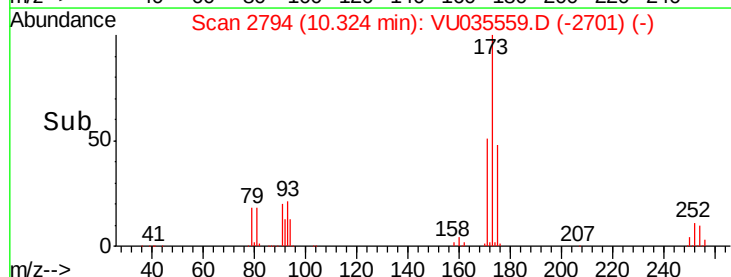
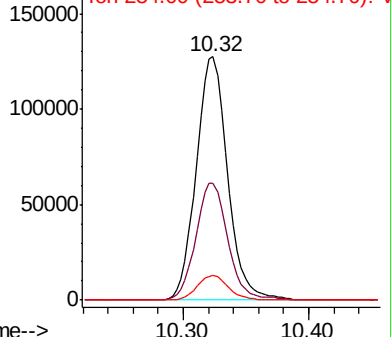
173 100

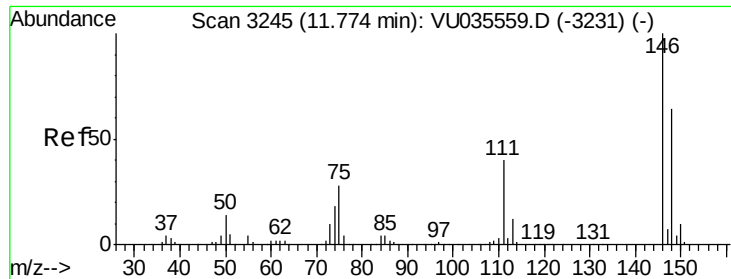
175 49.2 39.4 59.0

254 10.1 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU035559.D (-2780) (-)





#62

1,3-Dichlorobenzene

Concen: 47.827 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

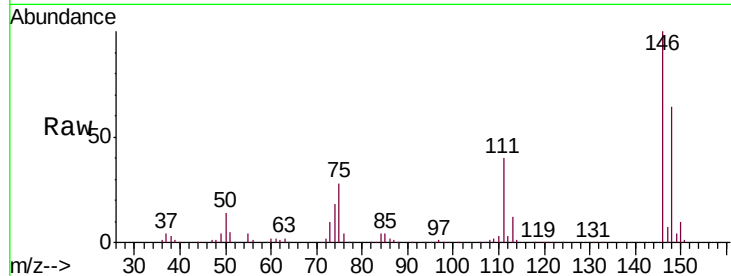
Tgt Ion:146 Resp: 484306

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

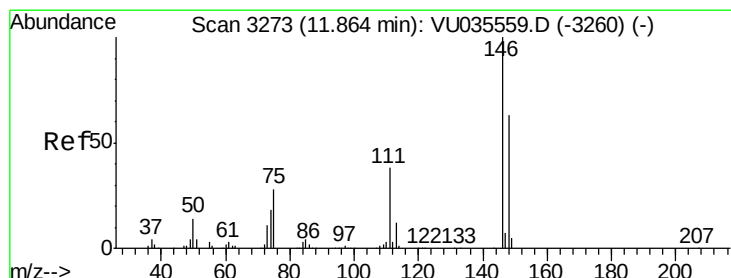
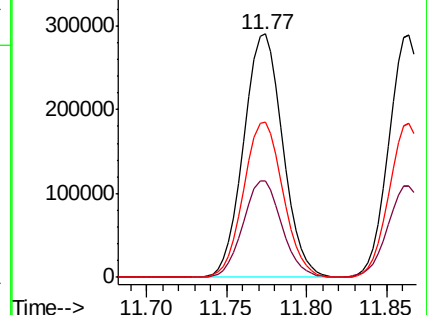
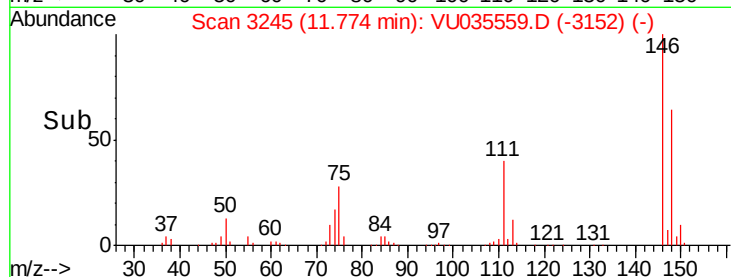
148 63.6 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.447 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

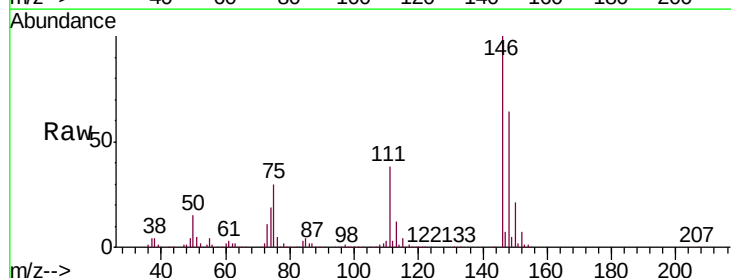
Tgt Ion:146 Resp: 478728

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

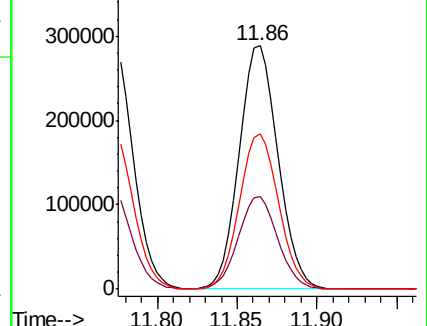
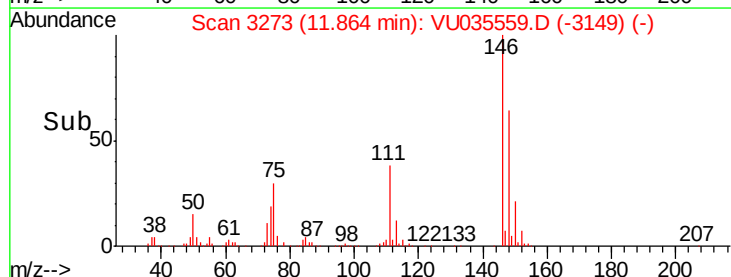
148 63.5 44.4 82.5

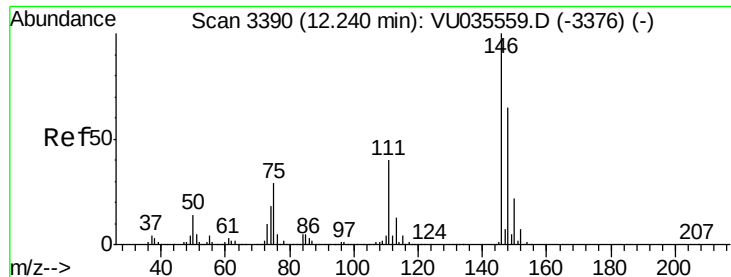


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

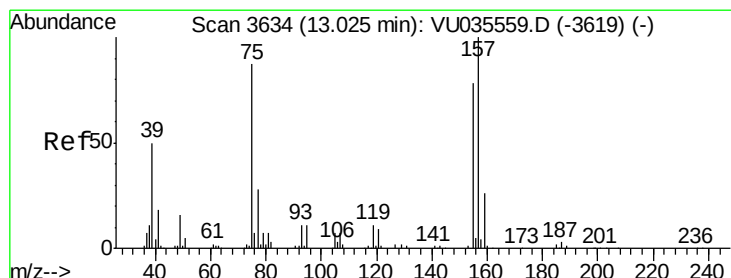
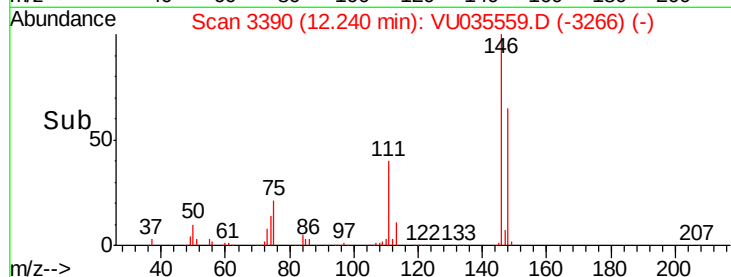
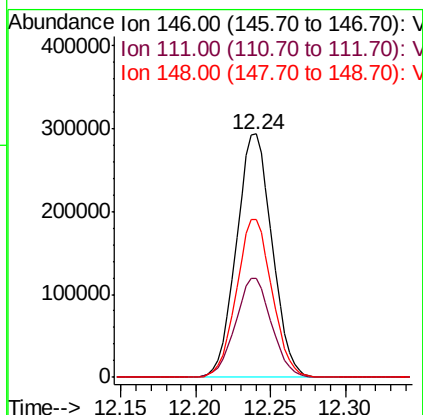
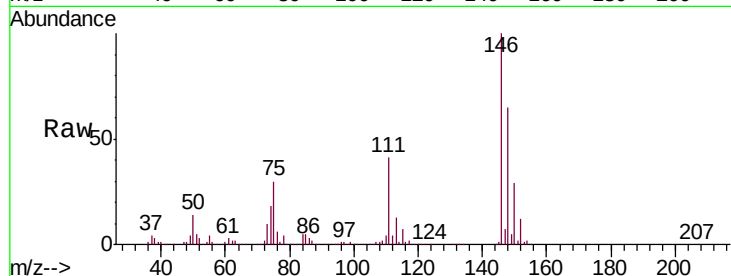




#65
 1,2-Dichlorobenzene
 Concen: 47.201 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

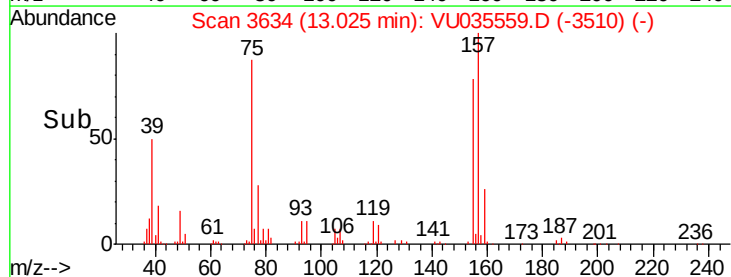
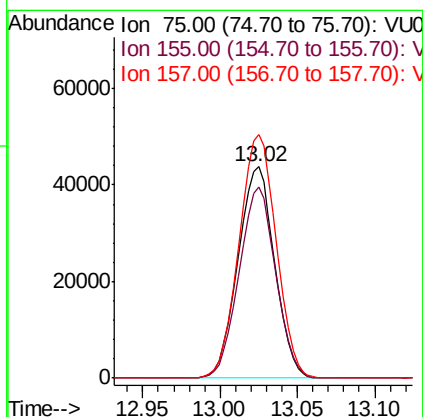
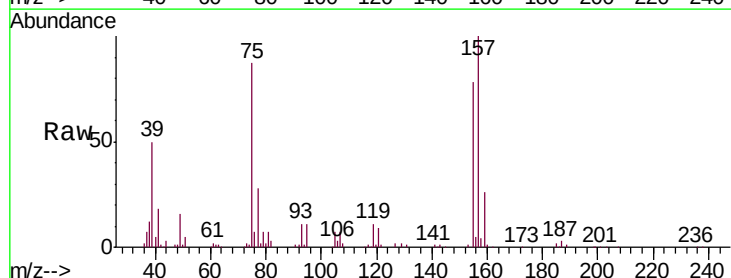
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

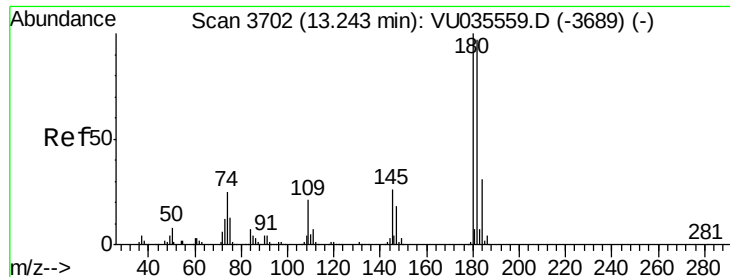
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.4	48.6
148	64.7	51.8	77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.730 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	72.2	108.4
157	115.1	92.1	138.1

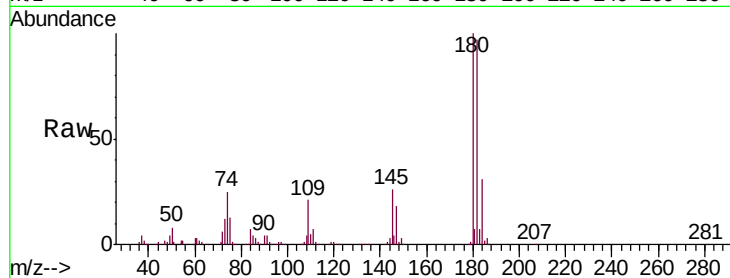




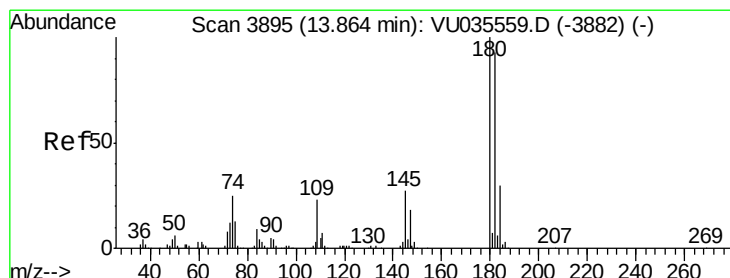
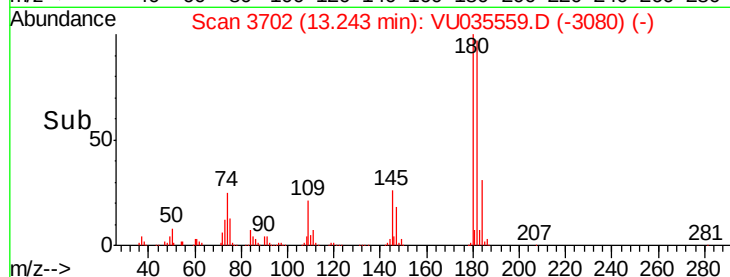
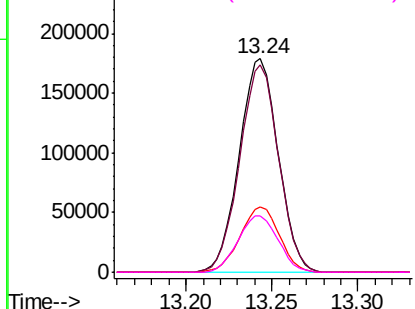
#67
 1,3,5-Trichlorobenzene
 Concen: 53.007 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	180	Resp:	282262
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.7	24.6	36.8
145	27.1	21.7	32.5

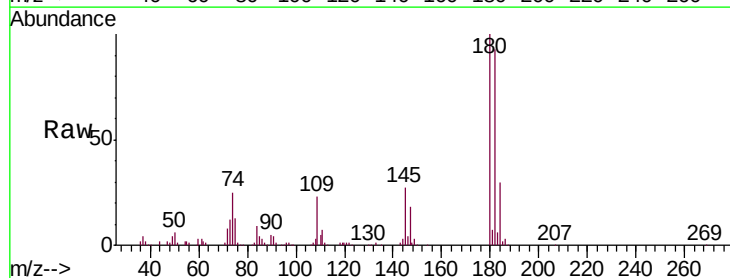


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

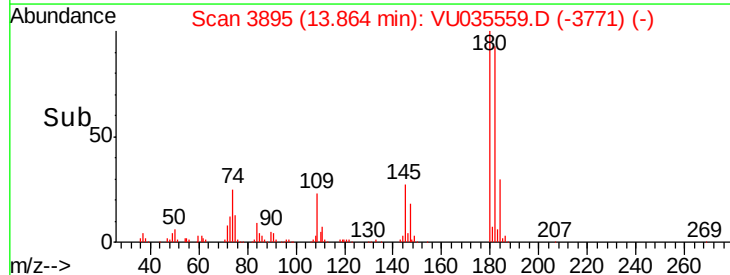
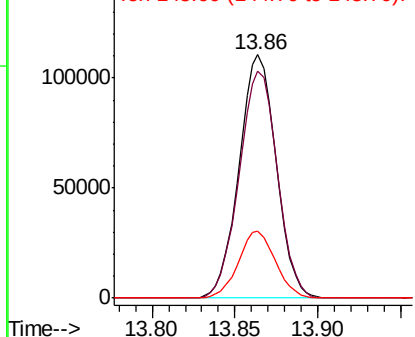


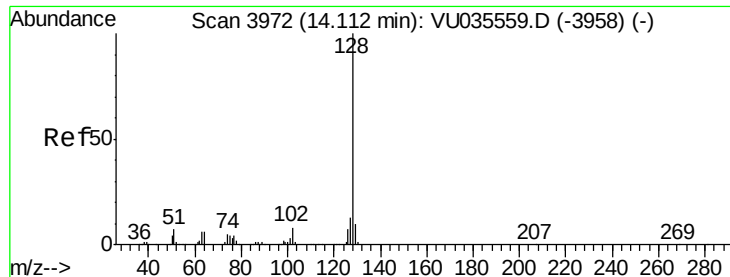
#68
 1,2,4-trichlorobenzene
 Concen: 51.148 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035559.D
 Acq: 30 Oct 2019 14:11

Tgt Ion:	180	Resp:	172099
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	27.4	21.9	32.9



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





#69

Naphthalene

Concen: 41.958 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

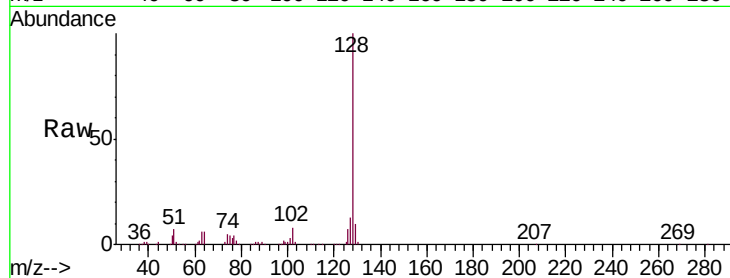
Tgt Ion:128 Resp: 382922

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

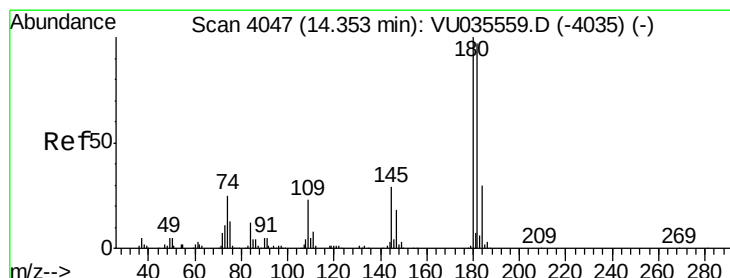
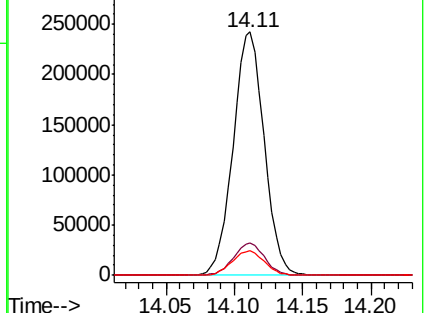
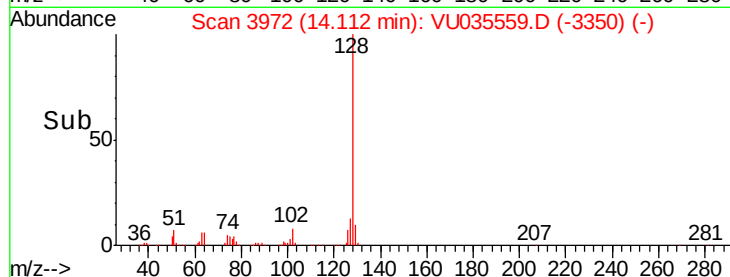
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.211 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035559.D

Acq: 30 Oct 2019 14:11

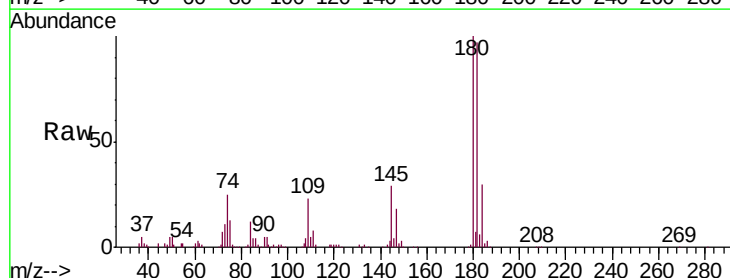
Tgt Ion:180 Resp: 185748

Ion Ratio Lower Upper

180 100

182 97.0 77.6 116.4

145 29.2 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

