

Data File : VU030267.D
Acq On : 21 Mar 2019 15:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Mar 22 04:08:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	543228	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	527569	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	267255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	173110	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.68	69	142944	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.27	63	318586	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
21) 2-Butanone-d5	4.17	46	283928	104.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.19%
24) Chloroform-d	4.65	84	331260	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.31	65	187561	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.34	84	695232	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
36) 1,2-Dichloropropane-d6	6.33	67	216914	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.86%
41) Toluene-d8	7.56	98	647174	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%
43) trans-1,3-Dichloropropene-	7.85	79	103451	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.31	63	228046	102.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331437	50.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	269661	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	222030	48.275	ug/L	100
3) Chloromethane	1.33	50	216177	48.558	ug/L	98
5) Vinyl chloride	1.40	62	230583	48.792	ug/L	100
6) Bromomethane	1.62	94	124317	48.609	ug/L	99
8) Chloroethane	1.70	64	134277	48.057	ug/L	96
9) Trichlorofluoromethane	1.88	101	298485	49.734	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	181247	49.665	ug/L	100
12) 1,1-Dichloroethene	2.28	96	178067	49.133	ug/L	98
13) Acetone	2.32	43	228341	80.190	ug/L	99
14) Carbon disulfide	2.48	76	506819	46.821	ug/L	100
15) Methyl Acetate	2.61	43	203475	49.139	ug/L	99
16) Methylene chloride	2.70	84	204575	49.771	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	187887	49.193	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	560134	50.983	ug/L	99
19) 1,1-Dichloroethane	3.44	63	329964	50.228	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	210486	50.300	ug/L	99
22) 2-Butanone	4.26	43	316611	94.606	ug/L	98

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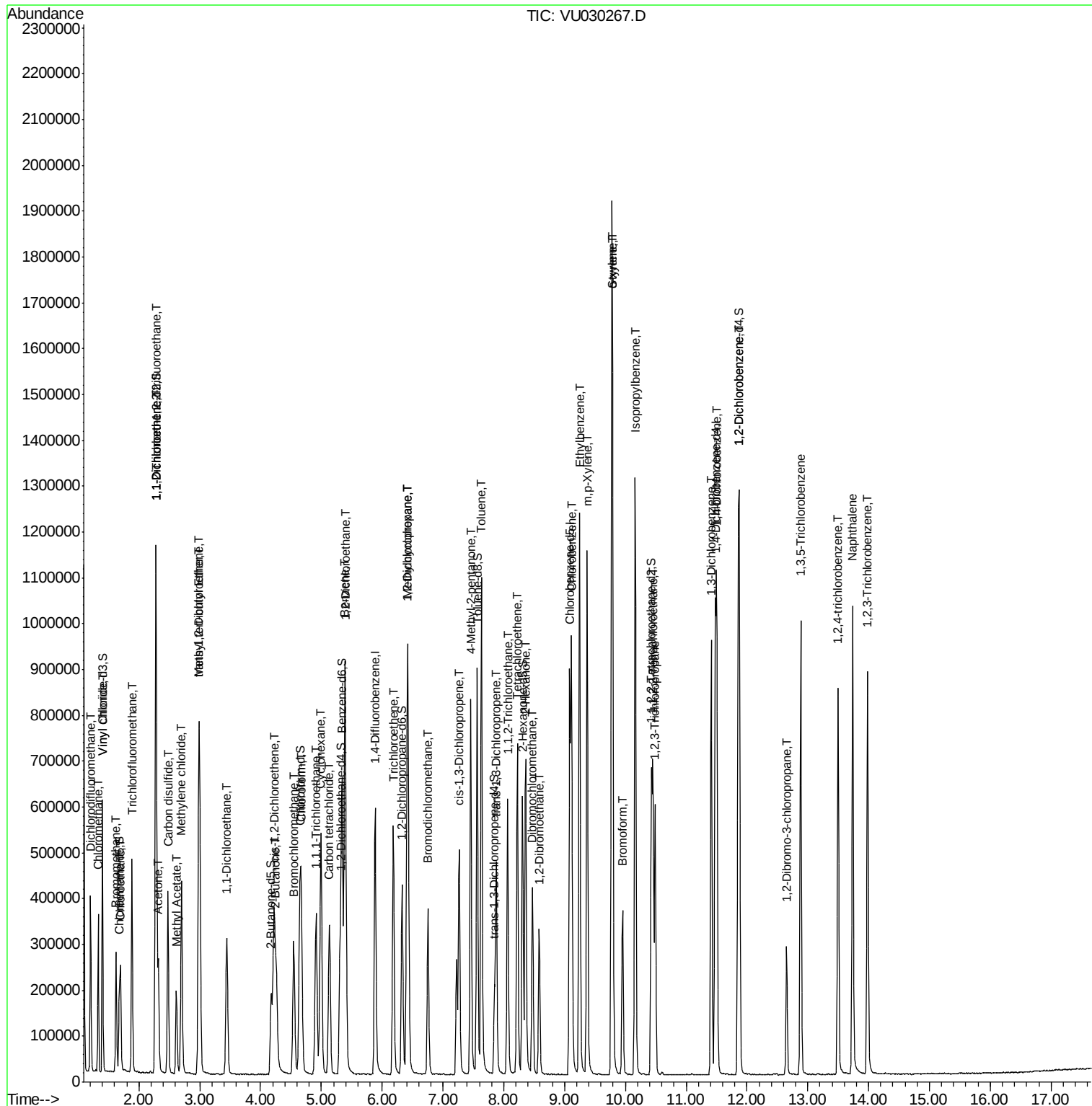
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	109953	49.094	ug/L	99
25) Chloroform	4.67	83	340043	49.685	ug/L	98
27) 1,2-Dichloroethane	5.40	62	239670	49.406	ug/L	99
29) Cyclohexane	4.99	56	293983	51.286	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	286655	50.417	ug/L	99
31) Carbon tetrachloride	5.13	117	252221	50.109	ug/L	98
33) Benzene	5.39	78	769336	50.544	ug/L	100
34) Trichloroethene	6.18	95	202115	50.379	ug/L	98
35) Methylcyclohexane	6.41	83	322830	51.317	ug/L	99
37) 1,2-Dichloropropane	6.43	63	199030	51.056	ug/L	99
38) Bromodichloromethane	6.75	83	252655	50.409	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	317431	50.753	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	529309	98.797	ug/L	99
42) Toluene	7.63	91	856167	51.678	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	277998	51.367	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	201454	50.344	ug/L	99
46) Tetrachloroethene	8.22	164	181163	53.446	ug/L	99
48) 2-Hexanone	8.36	43	423116	95.153	ug/L	98
49) Dibromochloromethane	8.47	129	221850	49.441	ug/L	99
50) 1,2-Dibromoethane	8.58	107	221356	49.896	ug/L	98
51) Chlorobenzene	9.12	112	548333	50.027	ug/L	100
52) Ethylbenzene	9.25	91	913629	50.780	ug/L	99
53) m,p-Xylene	9.37	106	358086	51.659	ug/L	100
54) o-xylene	9.77	106	356022	52.248	ug/L	98
55) Styrene	9.79	104	600852	52.044	ug/L	100
56) Isopropylbenzene	10.16	105	899763	51.074	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	342507	50.196	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	256894	48.759	ug/L	99
61) Bromoform	9.95	173	174700	50.619	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	429919	50.420	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	436462	49.349	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	439388	50.437	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69904	47.994	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	336937	50.562	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	295687	50.176	ug/L	98
69) Naphthalene	13.74	128	868656	46.461	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	303229	49.314	ug/L	99

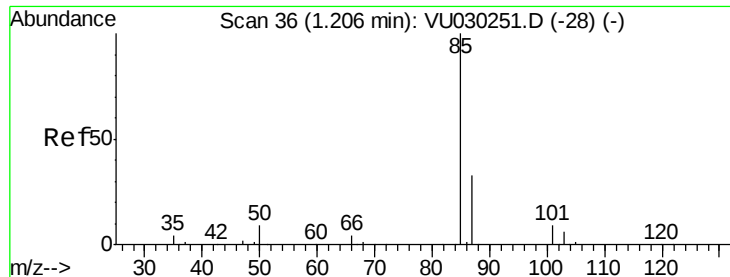
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.275 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

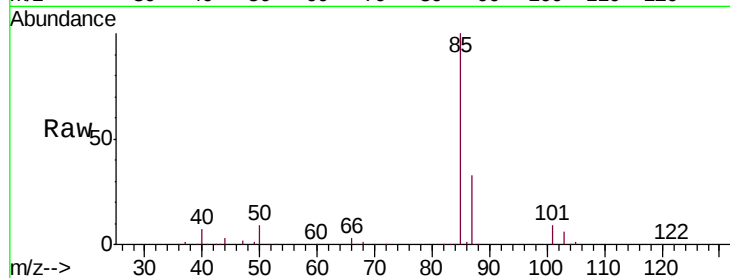
VSTD05051

Tgt Ion: 85 Resp: 222030

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU030251.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030251.D (-28) (-)

1.21

250000

200000

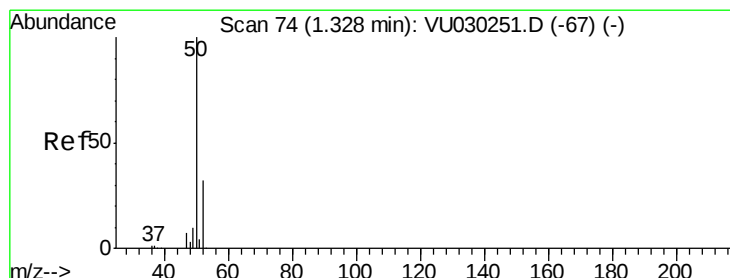
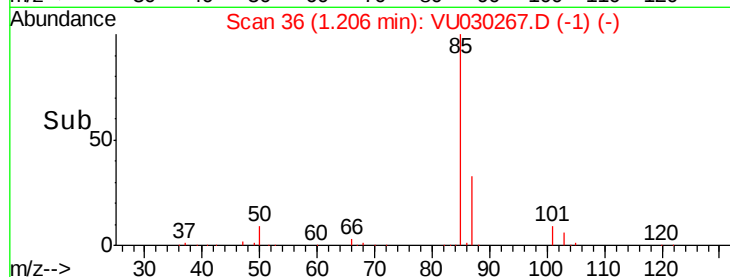
150000

100000

50000

0

Time--> 1.15 1.20 1.25 1.30



#3

Chloromethane

Concen: 48.558 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030267.D

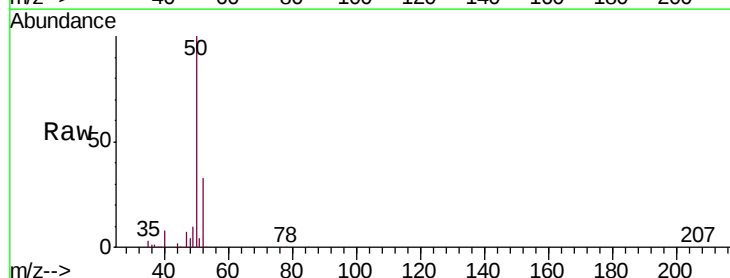
Acq: 21 Mar 2019 15:47

Tgt Ion: 50 Resp: 216177

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030251.D (-67) (-)

Ion 52.00 (51.70 to 52.70): VU030251.D (-67) (-)

1.33

250000

200000

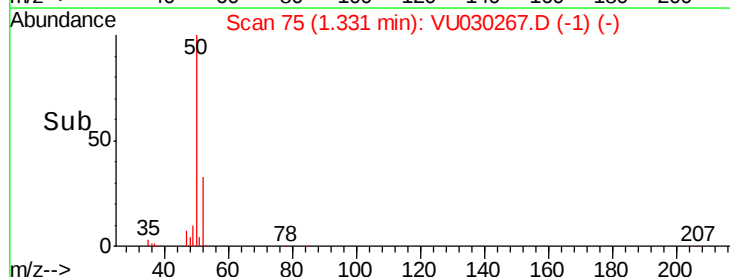
150000

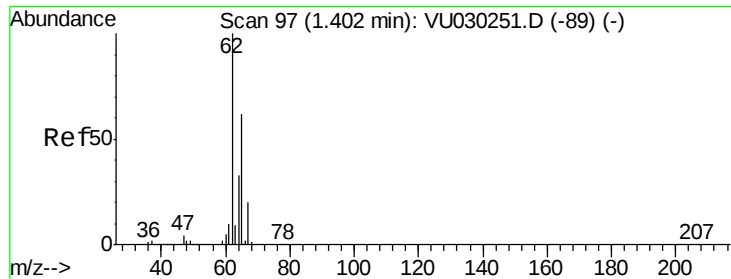
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 48.792 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

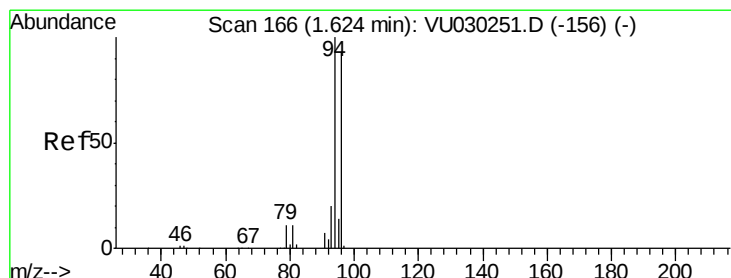
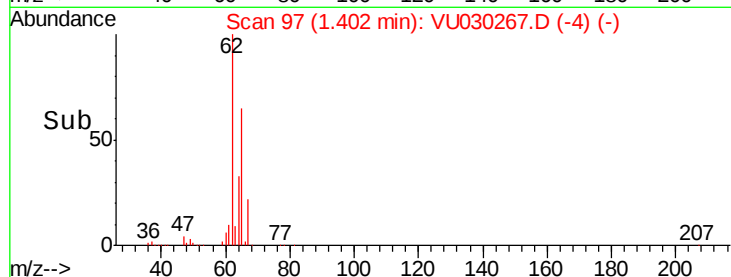
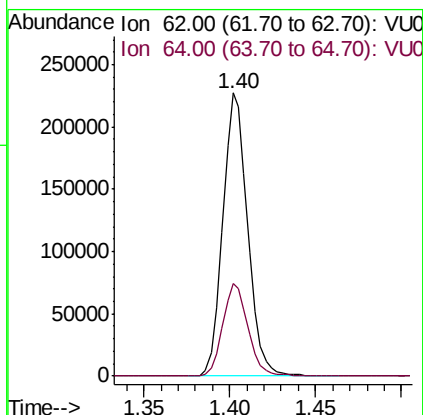
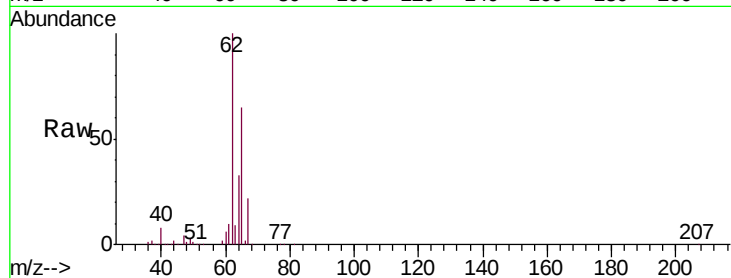
VSTD05051

Tgt Ion: 62 Resp: 230583

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#6

Bromomethane

Concen: 48.609 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU030267.D

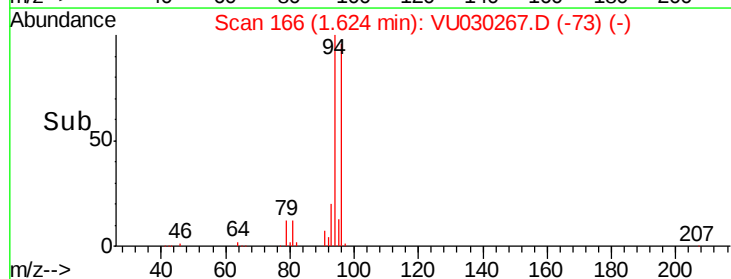
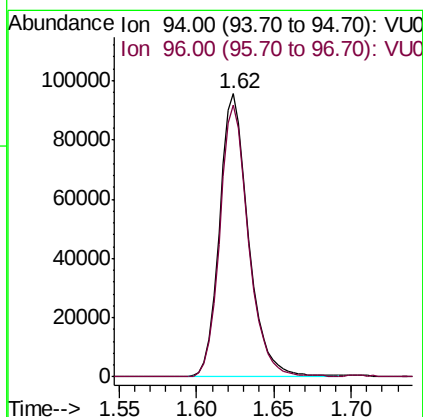
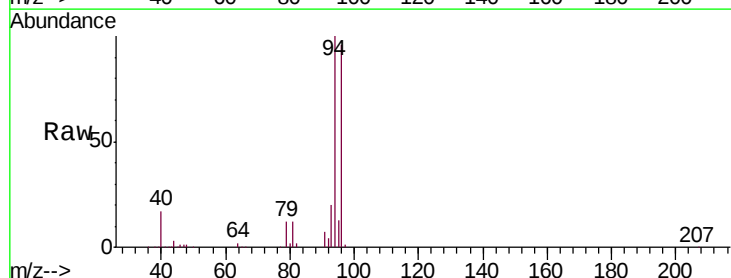
Acq: 21 Mar 2019 15:47

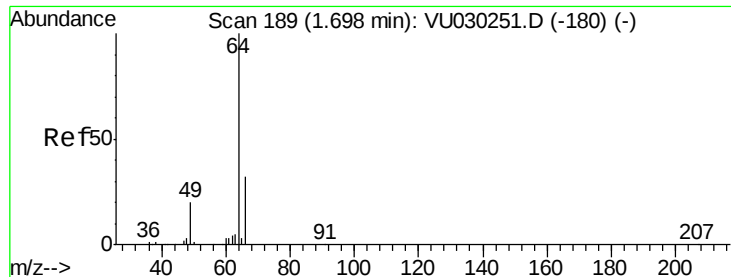
Tgt Ion: 94 Resp: 124317

Ion Ratio Lower Upper

94 100

96 96.2 66.6 123.6

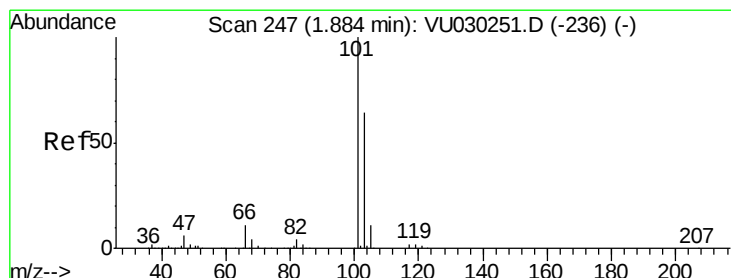
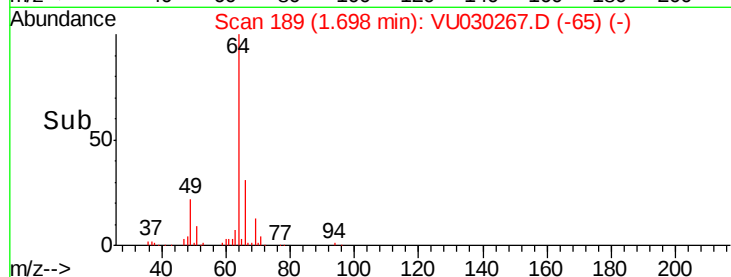
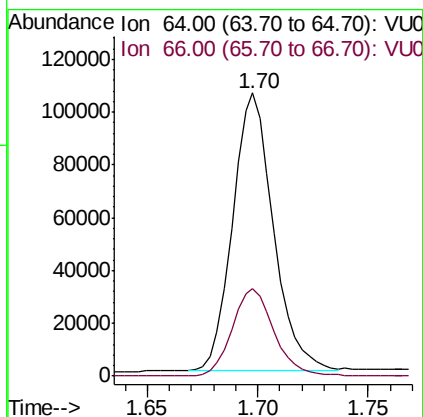
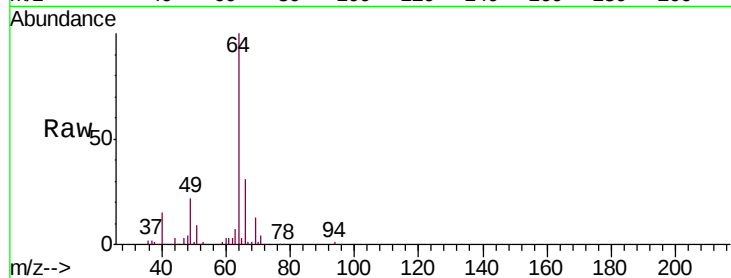




#8
 Chloroethane
 Concen: 48.057 ug/L
 RT: 1.70 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

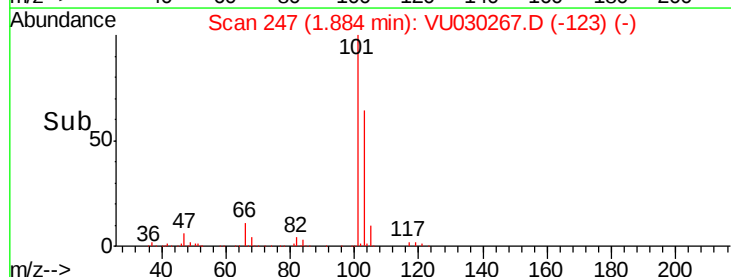
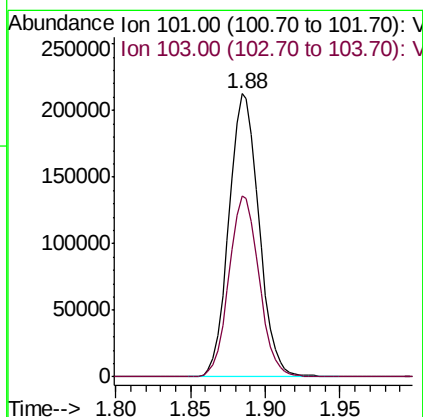
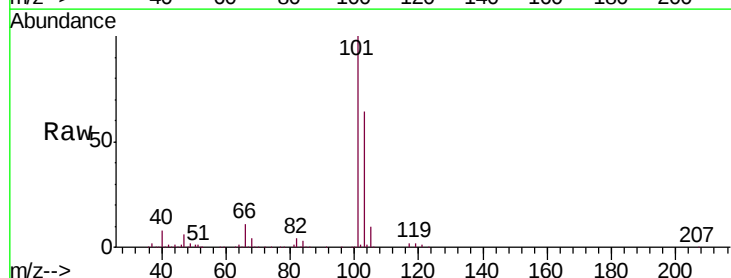
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

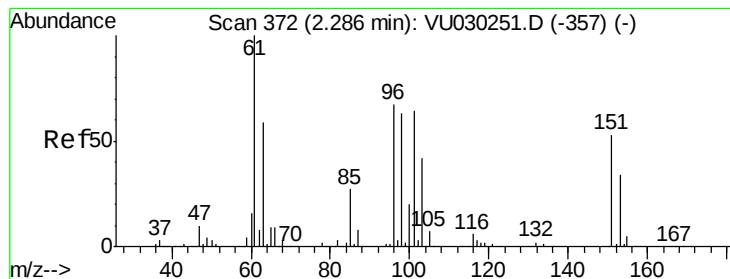
Tgt Ion: 64 Resp: 134277
 Ion Ratio Lower Upper
 64 100
 66 30.8 23.2 43.0



#9
 Trichlorofluoromethane
 Concen: 49.734 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion: 101 Resp: 298485
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.6 77.4





#10

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

Concen: 49.665 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

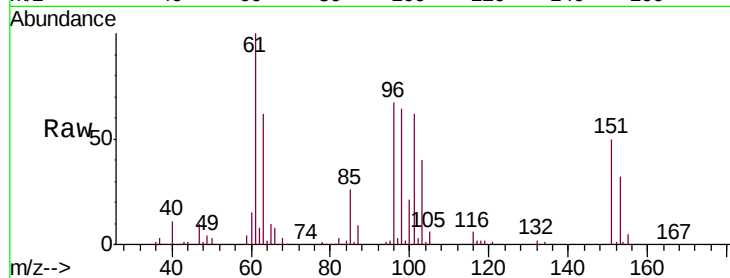
Tgt Ion: 101 Resp: 181247

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

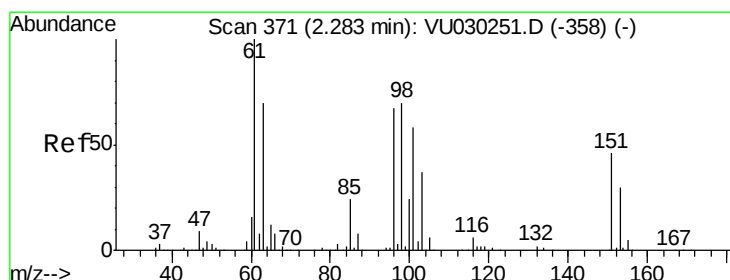
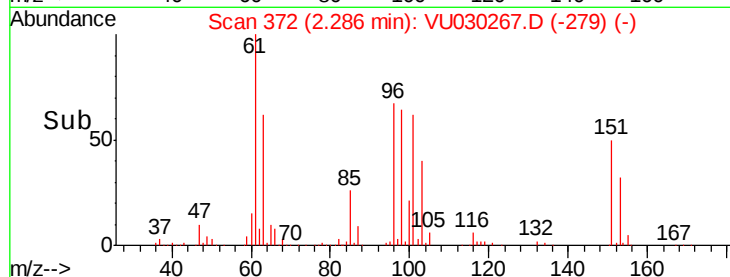
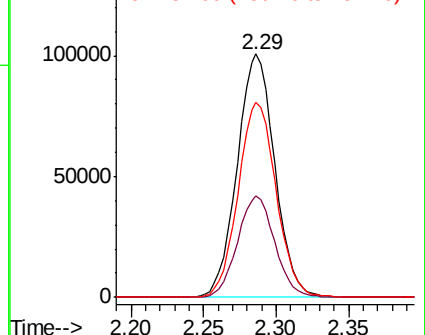
151 81.1 64.7 97.1



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: 49.133 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

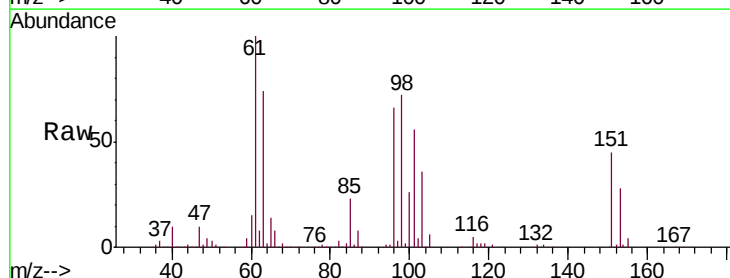
Tgt Ion: 96 Resp: 178067

Ion Ratio Lower Upper

96 100

61 151.9 104.6 194.2

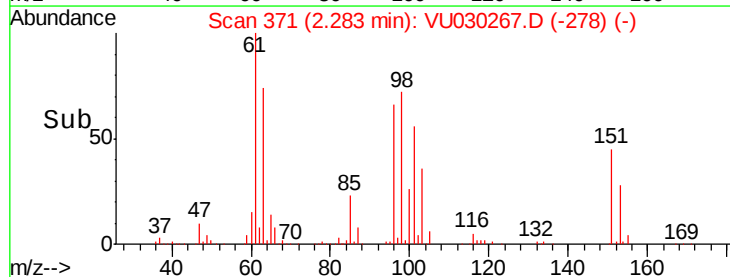
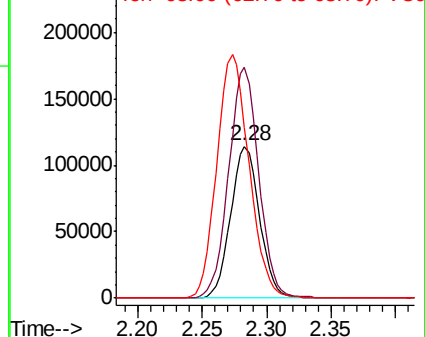
63 112.9 77.2 143.4

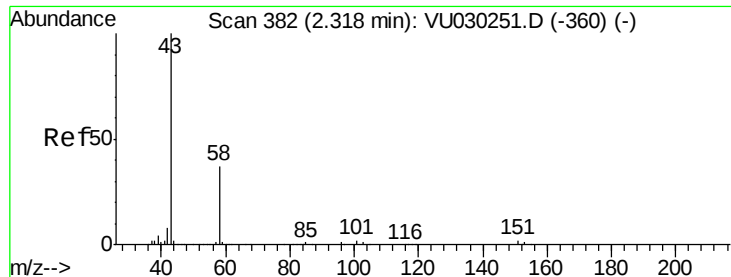


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.190 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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ClientSampleId :

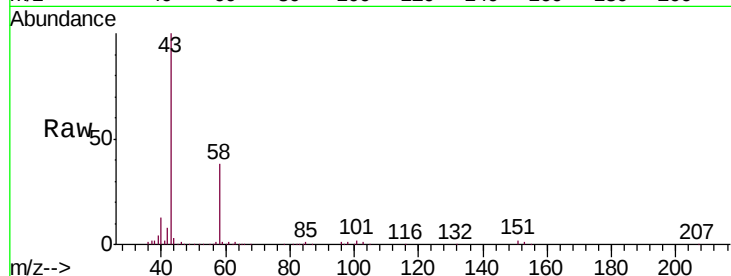
VSTD05051

Tgt Ion: 43 Resp: 228341

Ion Ratio Lower Upper

43 100

58 36.2 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030251.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030251.D (-360) (-)

2.32

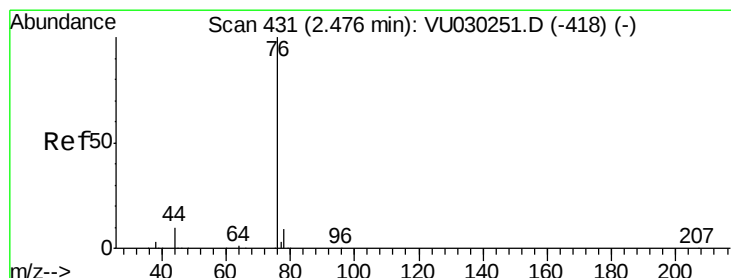
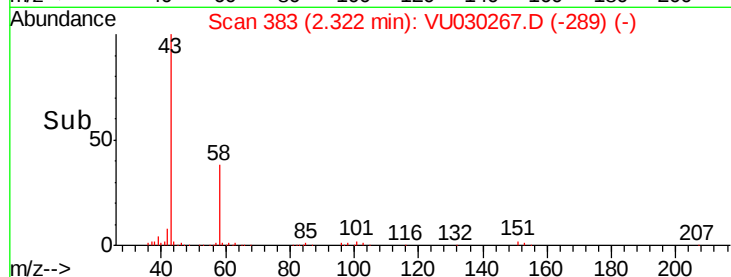
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 46.821 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030267.D

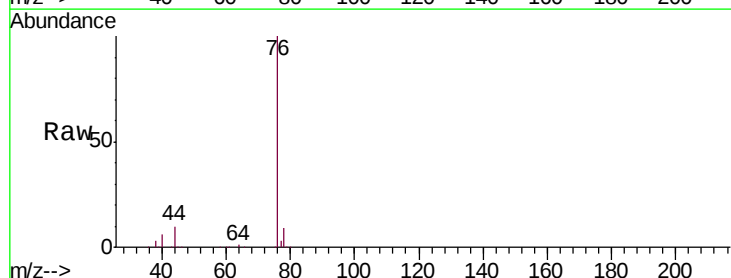
Acq: 21 Mar 2019 15:47

Tgt Ion: 76 Resp: 506819

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU030251.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030251.D (-418) (-)

2.48

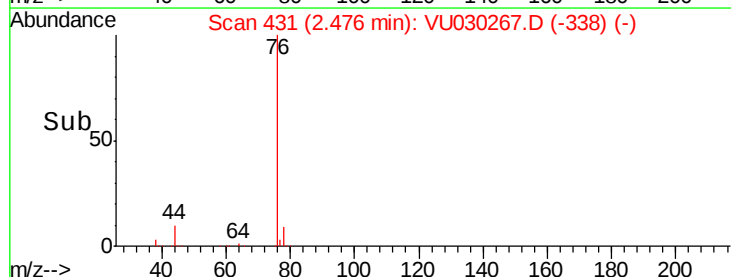
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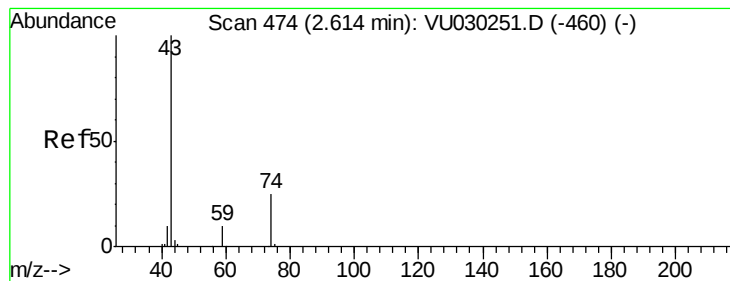
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 49.139 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

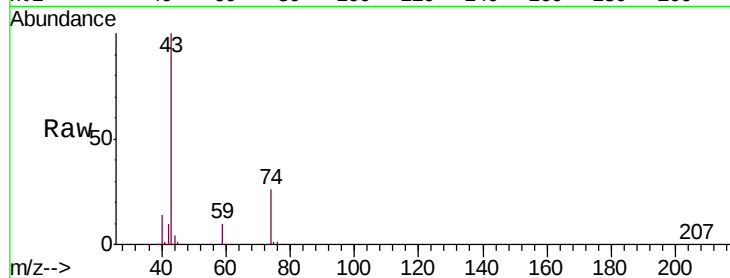
VSTD05051

Tgt Ion: 43 Resp: 203475

Ion Ratio Lower Upper

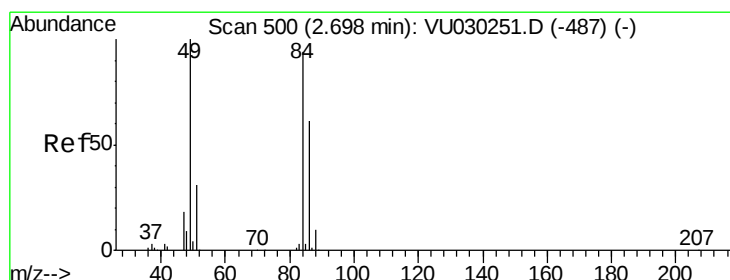
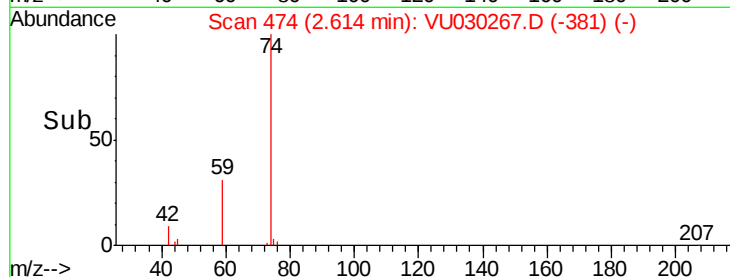
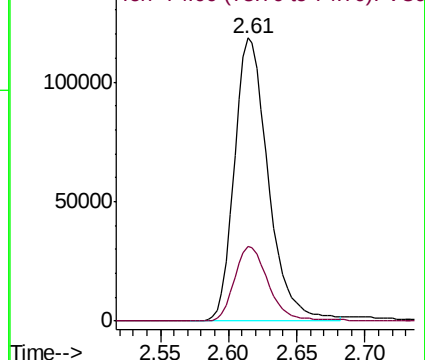
43 100

74 26.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VU030267.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU030267.D (-460) (-)



#16

Methylene chloride

Concen: 49.771 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

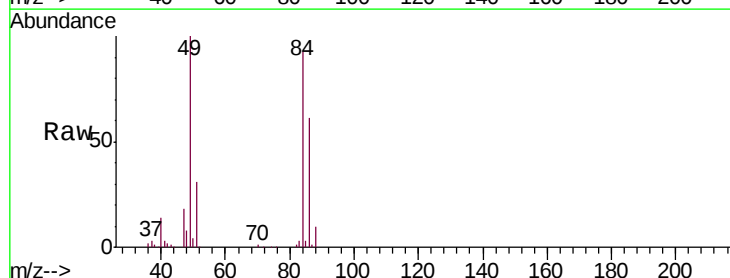
Tgt Ion: 84 Resp: 204575

Ion Ratio Lower Upper

84 100

86 66.0 45.6 84.6

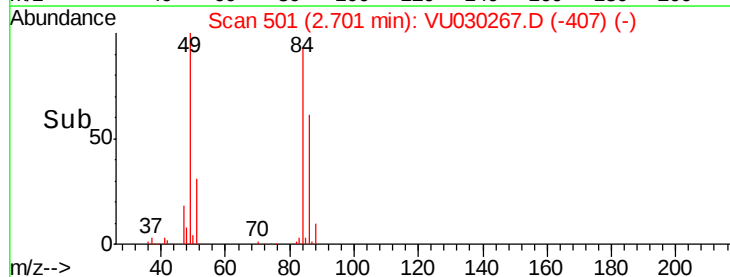
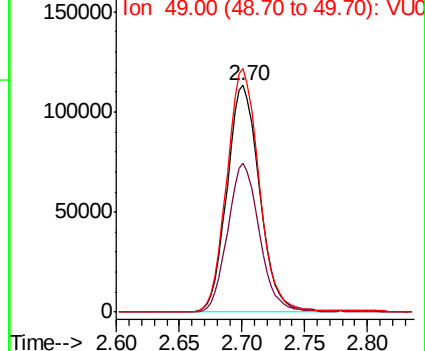
49 107.5 75.2 139.6

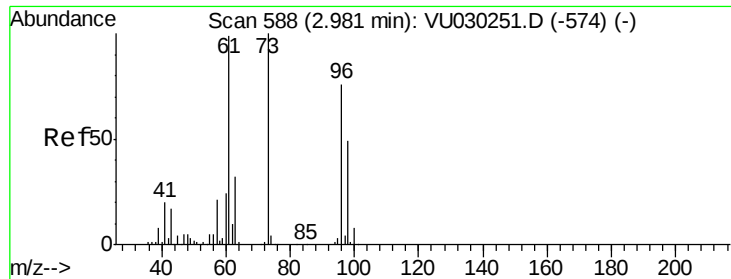


Abundance Ion 84.00 (83.70 to 84.70): VU030267.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU030267.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU030267.D (-407) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.193 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampled :

VSTD05051

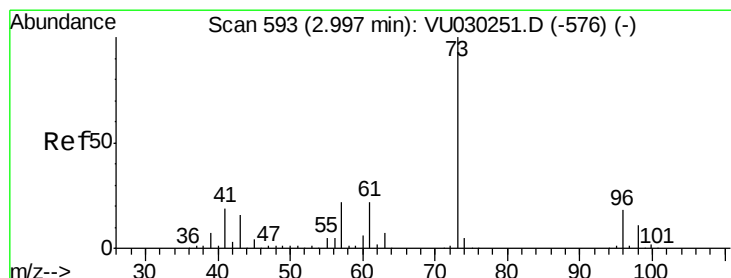
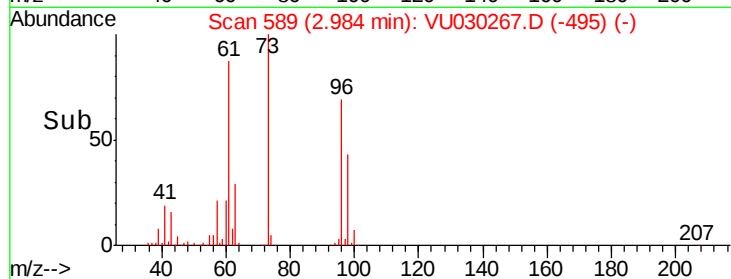
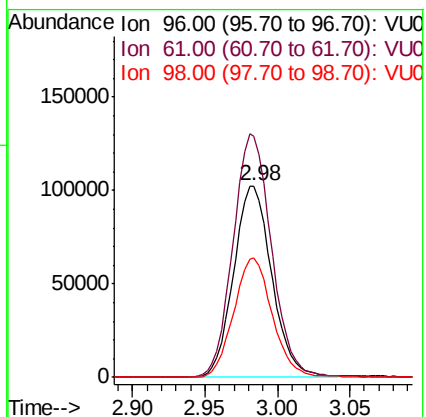
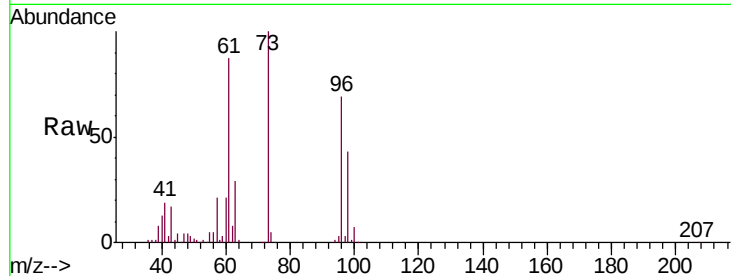
Tgt Ion: 96 Resp: 187887

Ion Ratio Lower Upper

96 100

61 126.2 90.9 168.9

98 62.7 45.6 84.6



#18

Methyl tert-butyl Ether

Concen: 50.983 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

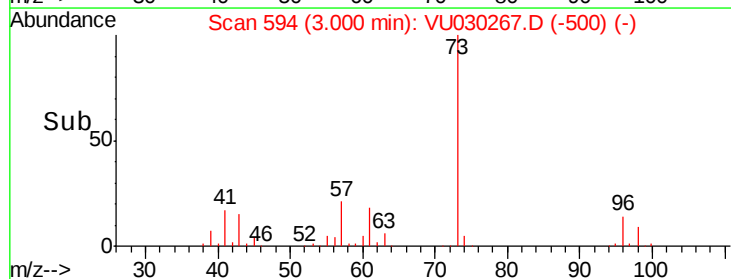
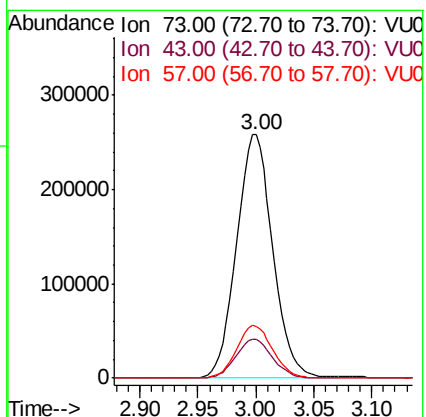
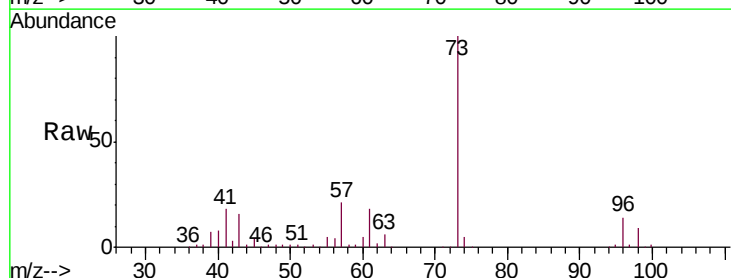
Tgt Ion: 73 Resp: 560134

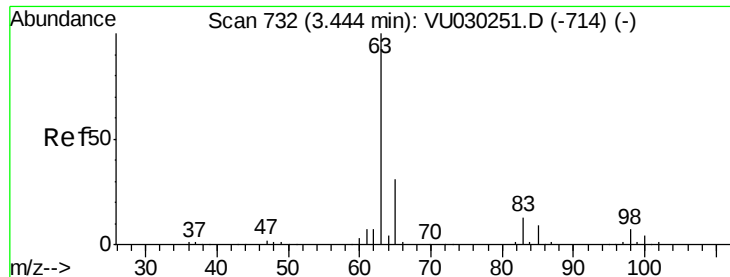
Ion Ratio Lower Upper

73 100

43 15.9 13.1 19.7

57 21.7 17.1 25.7

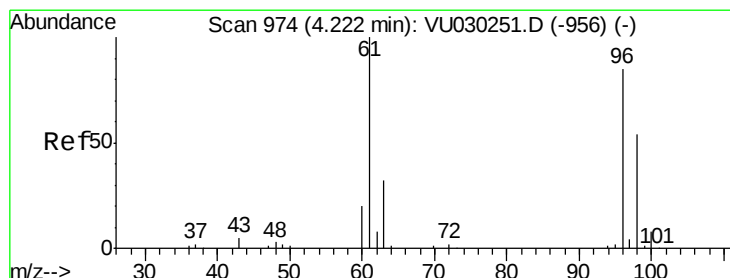
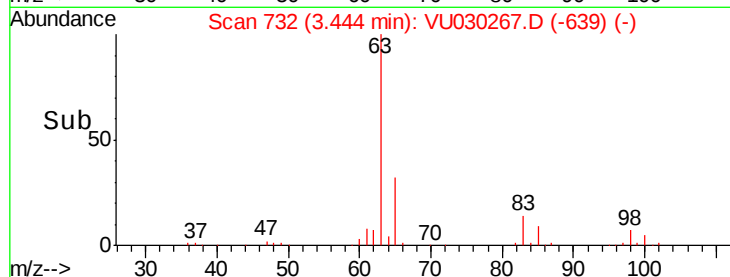
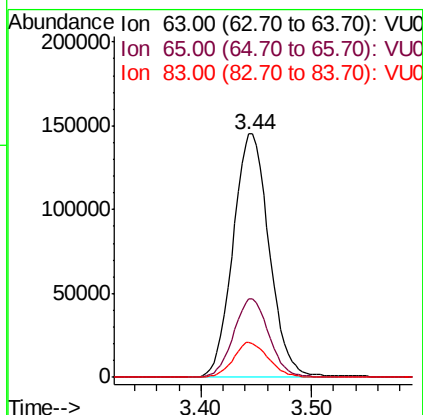
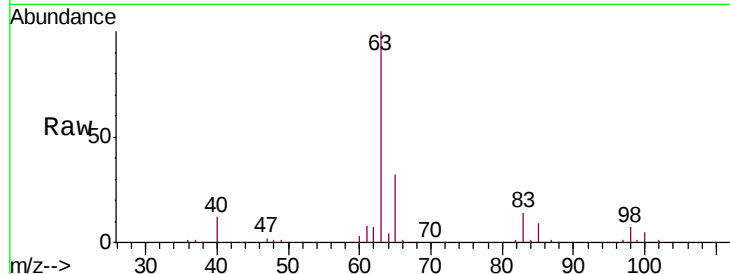




#19
 1,1-Dichloroethane
 Concen: 50.228 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

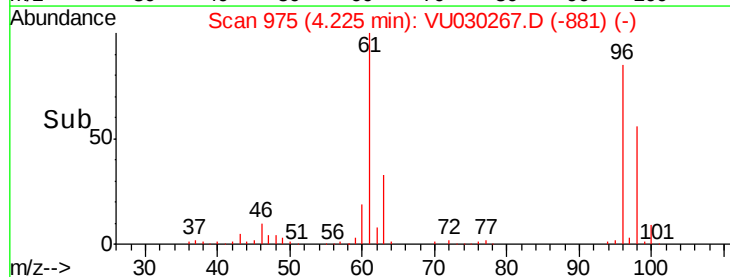
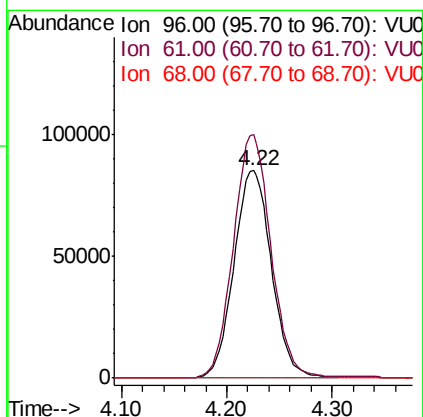
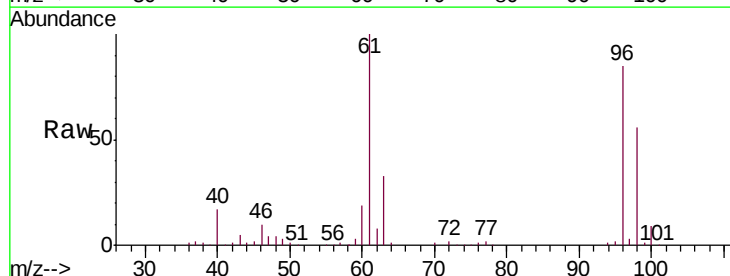
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

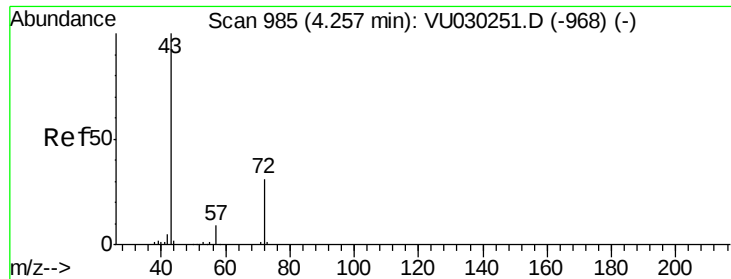
Tgt Ion: 63 Resp: 329964
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.4
 83 14.4 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.300 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion: 96 Resp: 210486
 Ion Ratio Lower Upper
 96 100
 61 117.3 81.5 151.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.606 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampled :

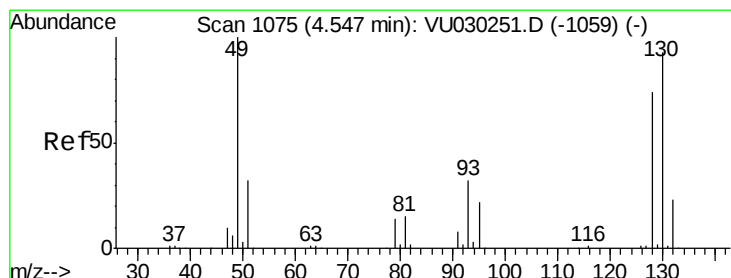
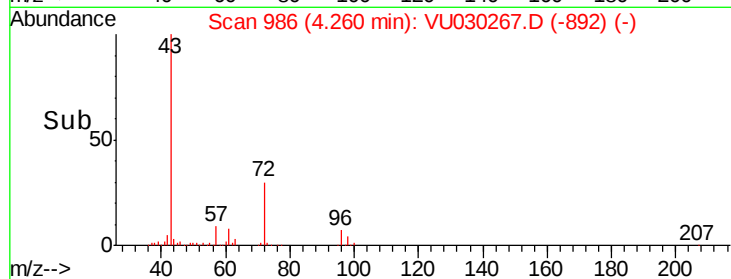
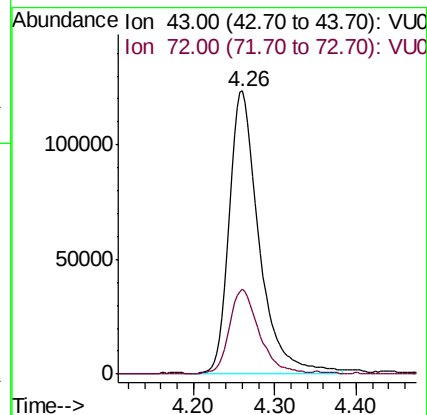
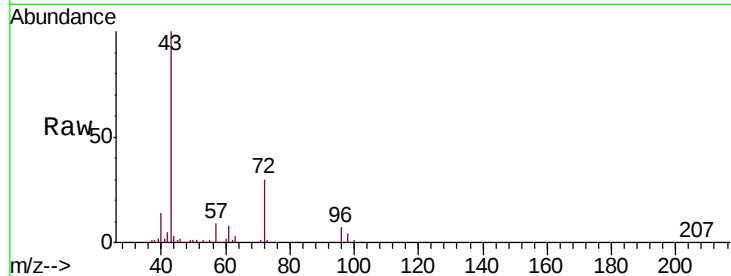
VSTD05051

Tgt Ion: 43 Resp: 316611

Ion Ratio Lower Upper

43 100

72 30.5 15.7 47.1



#23

Bromochloromethane

Concen: 49.094 ug/L

RT: 4.55 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Tgt Ion: 128 Resp: 109953

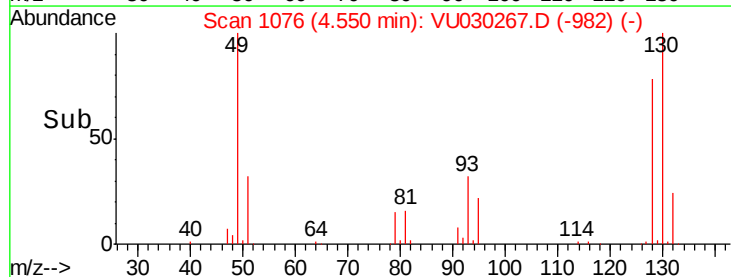
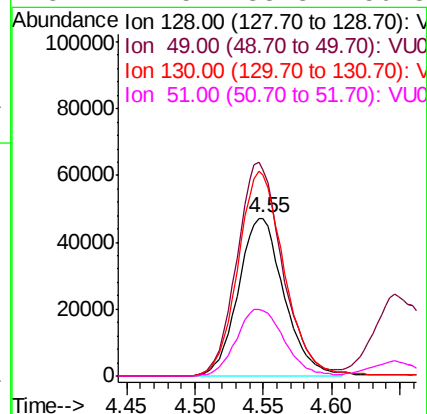
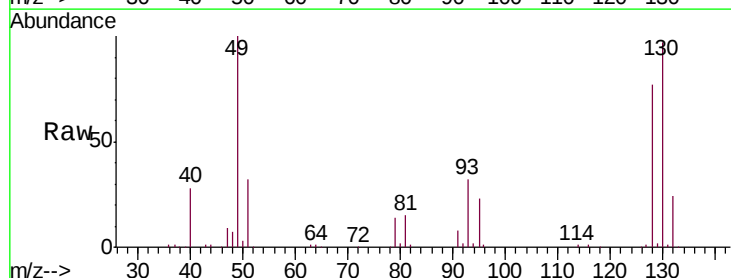
Ion Ratio Lower Upper

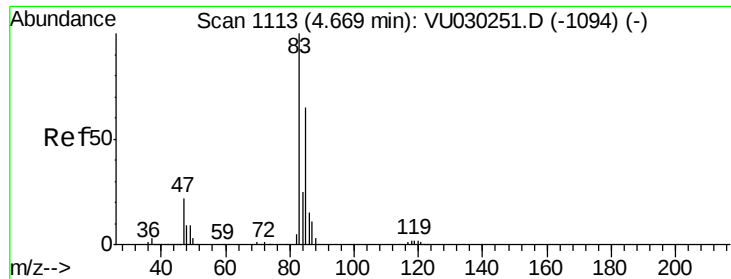
128 100

49 130.7 92.5 171.9

130 127.4 90.1 167.3

51 41.5 33.8 50.8





#25

Chloroform

Concen: 49.685 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

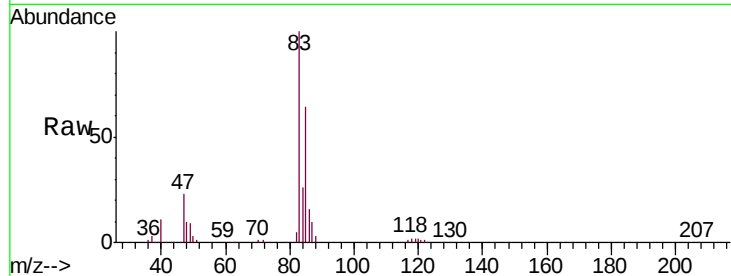
VSTD05051

Tgt Ion: 83 Resp: 340043

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VU030267.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU030267.D (-1094) (-)

4.67

150000

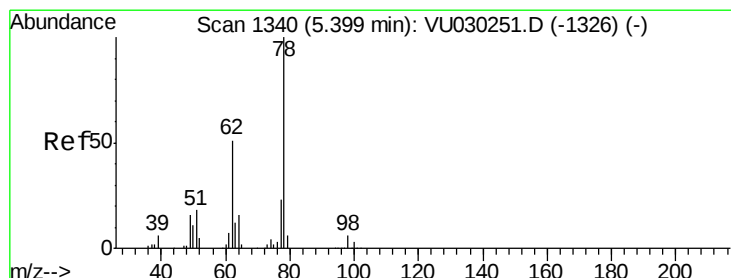
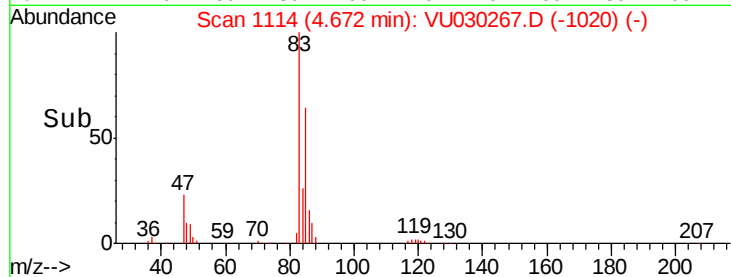
100000

50000

0

4.60 4.65 4.70 4.75

Time-->



#27

1,2-Dichloroethane

Concen: 49.406 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030267.D

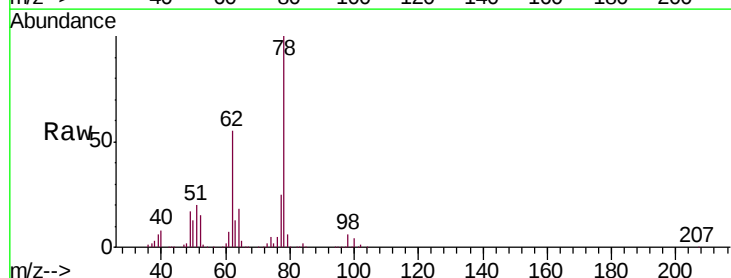
Acq: 21 Mar 2019 15:47

Tgt Ion: 62 Resp: 239670

Ion Ratio Lower Upper

62 100

98 10.3 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VU030267.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VU030267.D (-1247) (-)

5.40

120000

100000

80000

60000

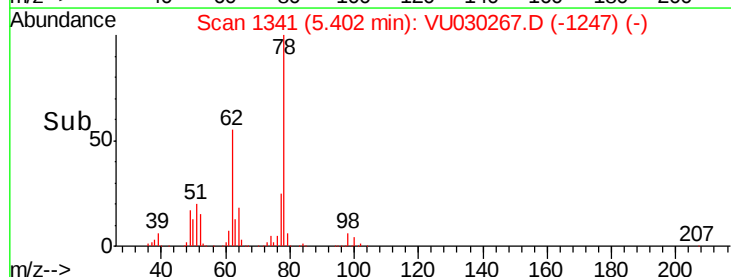
40000

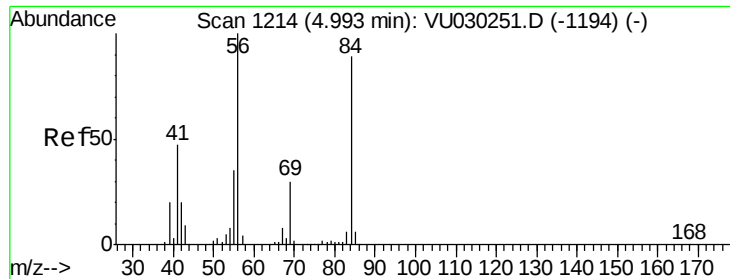
20000

0

5.30 5.40 5.50

Time-->

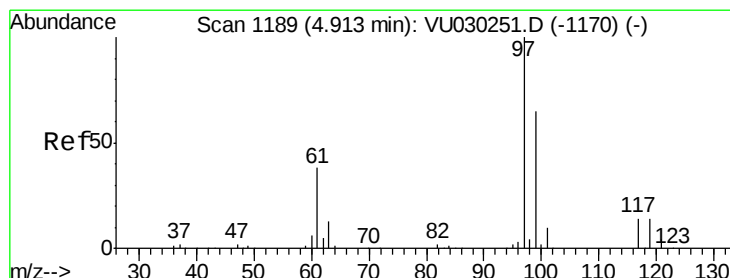
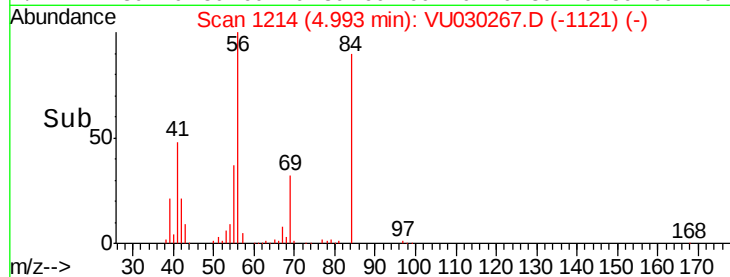
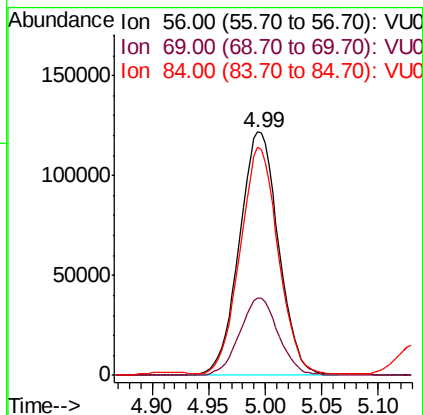
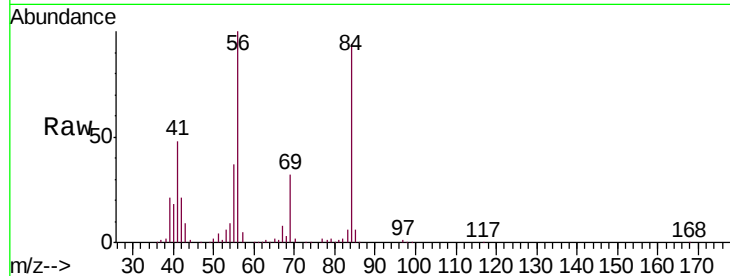




#29
Cyclohexane
Concen: 51.286 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

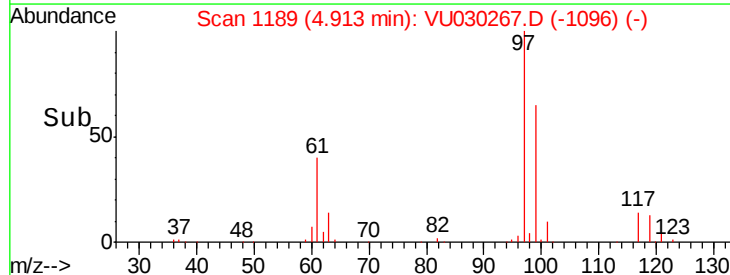
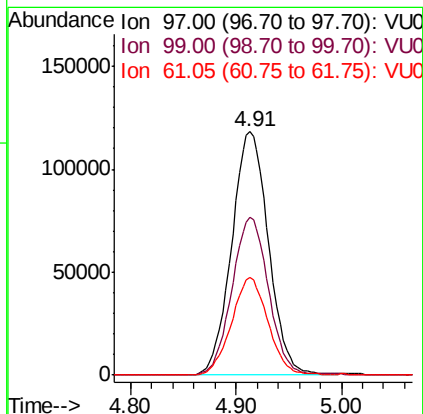
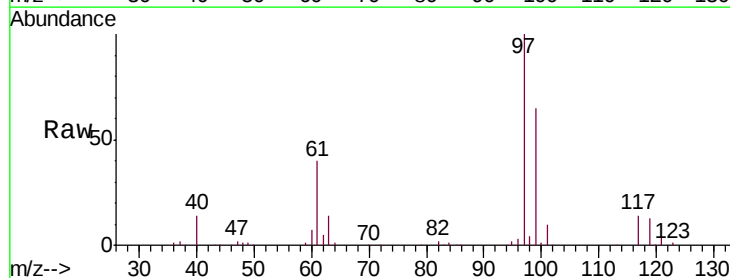
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

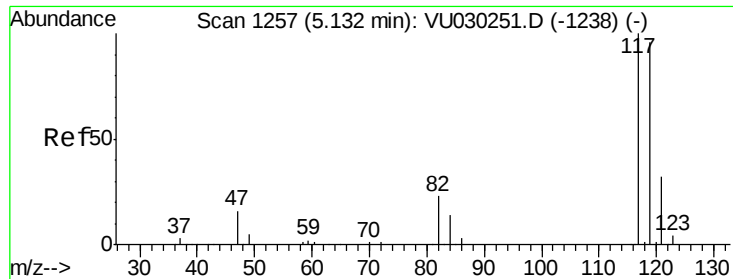
Tgt Ion: 56 Resp: 293983
Ion Ratio Lower Upper
56 100
69 31.4 25.4 38.2
84 90.4 71.5 107.3



#30
1,1,1-Trichloroethane
Concen: 50.417 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

Tgt Ion: 97 Resp: 286655
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 39.8 32.7 49.1





#31

Carbon tetrachloride

Concen: 50.109 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

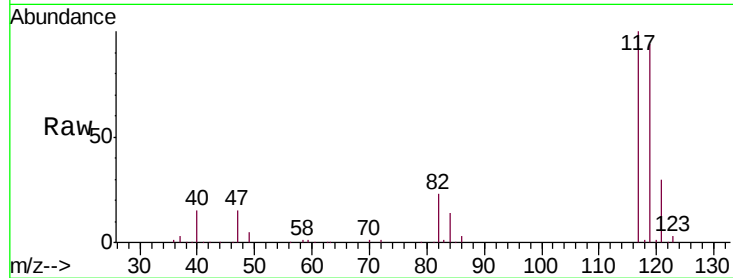
VSTD05051

Tgt Ion:117 Resp: 252221

Ion Ratio Lower Upper

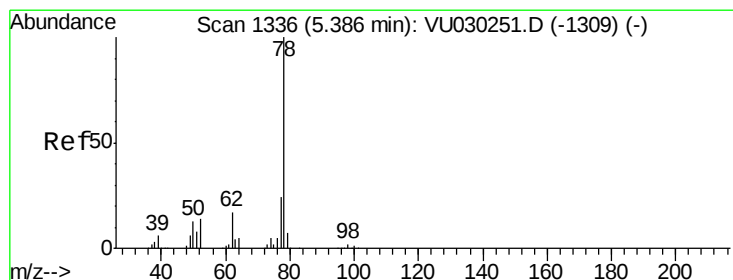
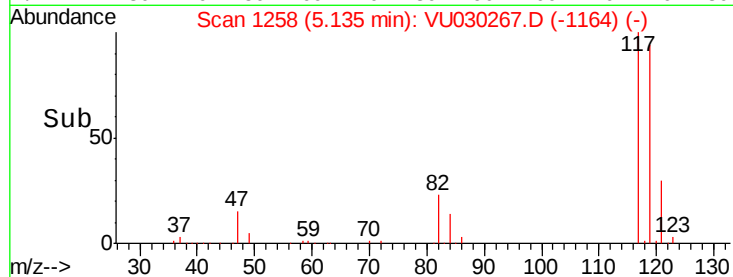
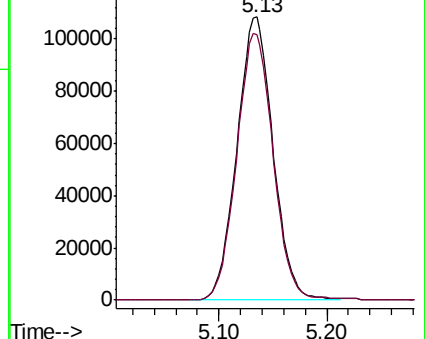
117 100

119 94.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.544 ug/L

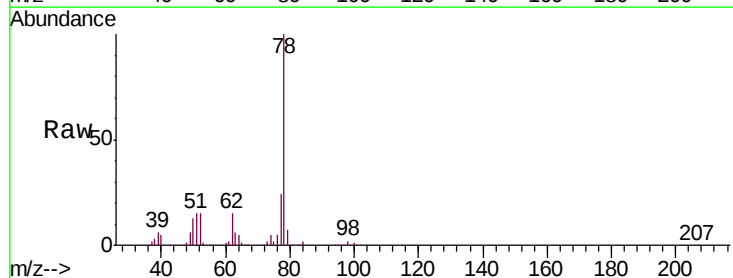
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

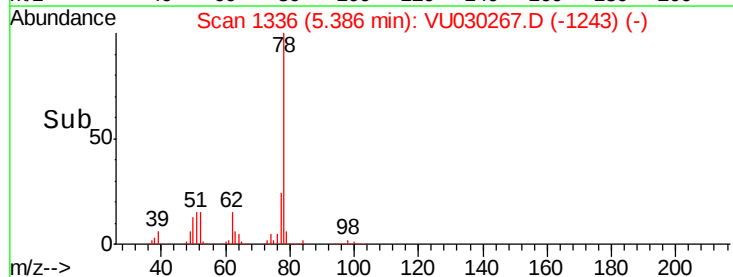
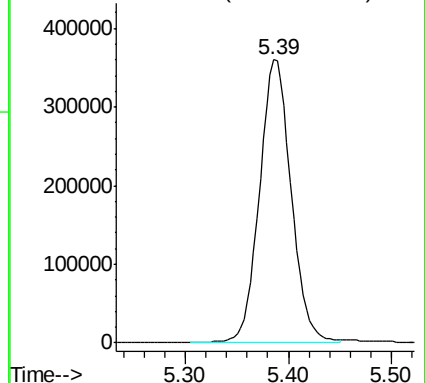
Lab File: VU030267.D

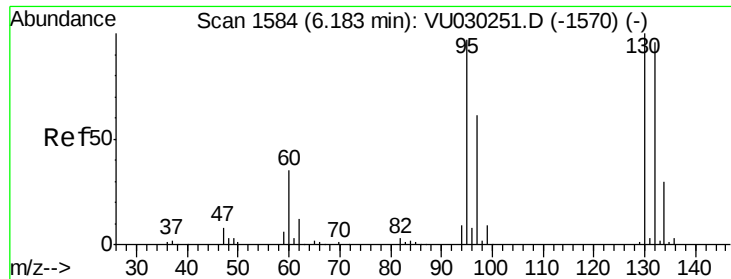
Acq: 21 Mar 2019 15:47

Tgt Ion: 78 Resp: 769336



Abundance Ion 78.00 (77.70 to 78.70): VU0

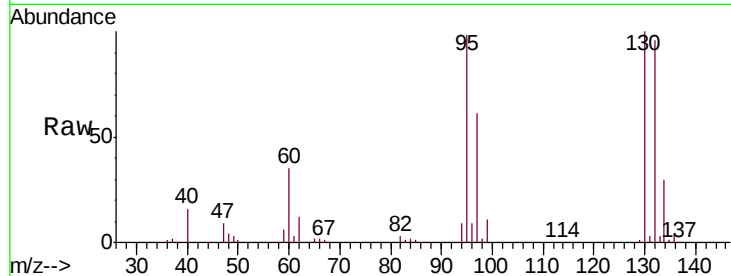




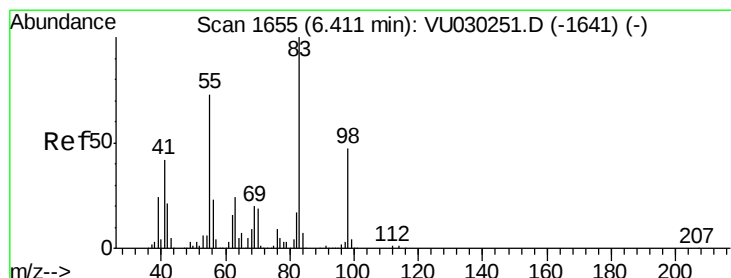
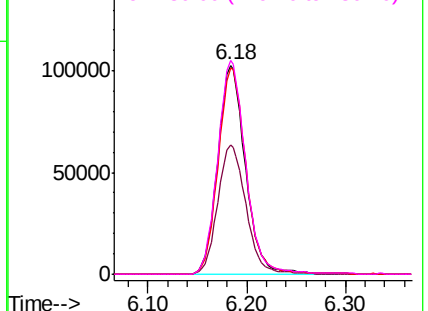
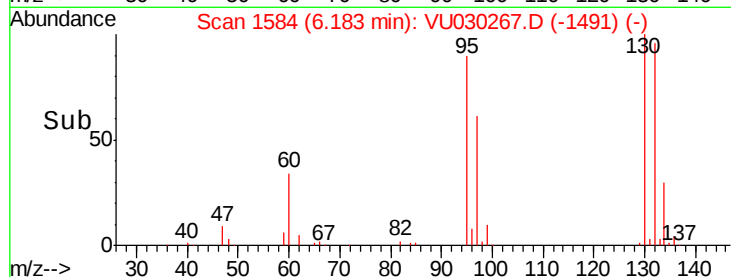
#34
 Trichloroethene
 Concen: 50.379 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion:	95	Resp:	202115
Ion	Ratio	Lower	Upper
95	100		
97	62.1	46.2	85.8
132	98.7	69.3	128.7
130	102.4	73.6	136.6

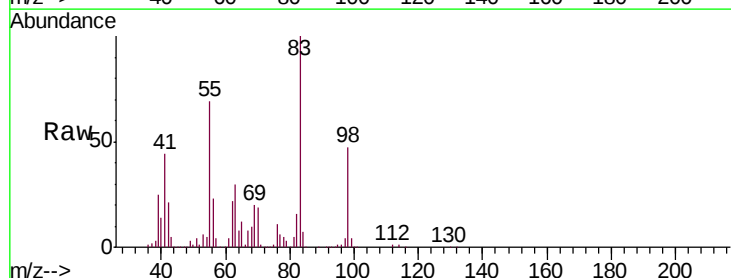


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

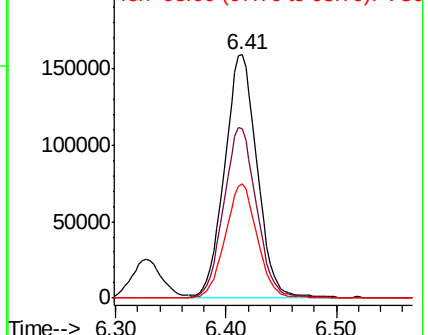
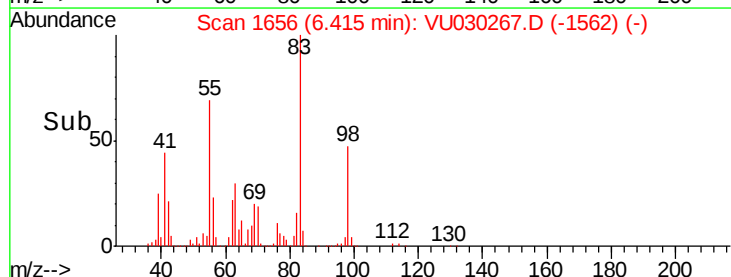


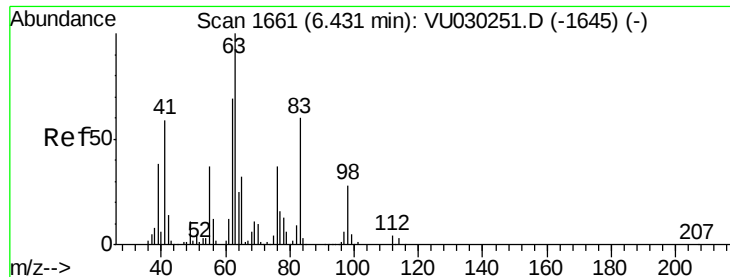
#35
 Methylcyclohexane
 Concen: 51.317 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion:	83	Resp:	322830
Ion	Ratio	Lower	Upper
83	100		
55	71.5	56.6	85.0
98	46.7	37.0	55.4



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: 51.056 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

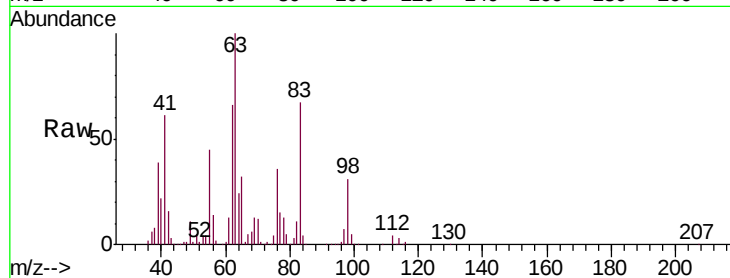
VSTD05051

Tgt Ion: 63 Resp: 199030

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VU030251.D (-1645) (-)

Ion 112.00 (111.70 to 112.70): VU030251.D (-1645) (-)

6.43

120000

100000

80000

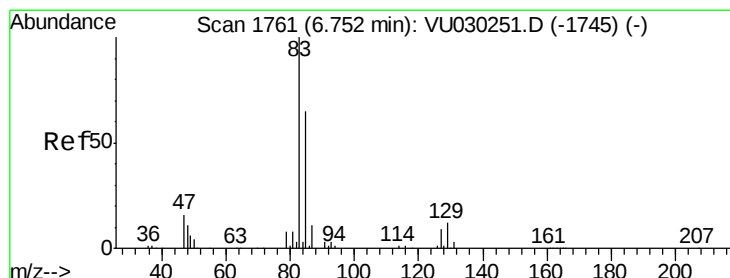
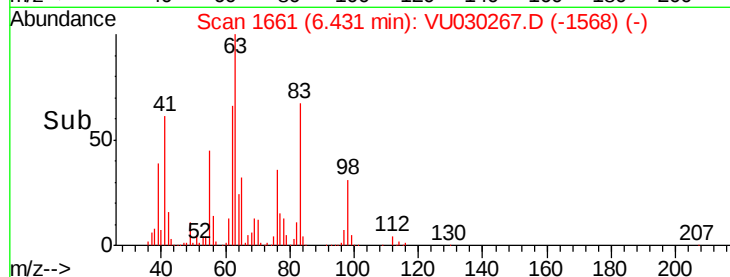
60000

40000

20000

0

Time-->



#38

Bromodichloromethane

Concen: 50.409 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

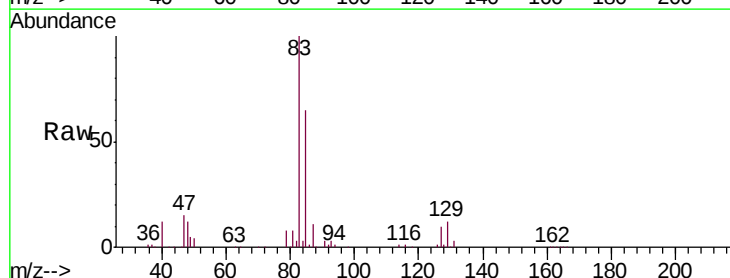
Tgt Ion: 83 Resp: 252655

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.2

127 9.6 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU030251.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU030251.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU030251.D (-1745) (-)

6.75

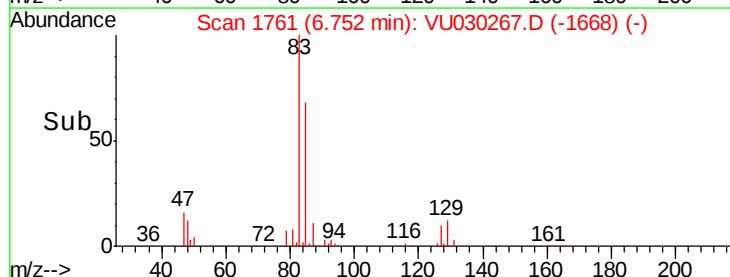
150000

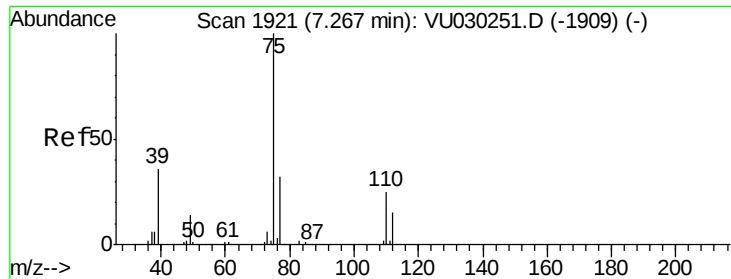
100000

50000

0

Time-->

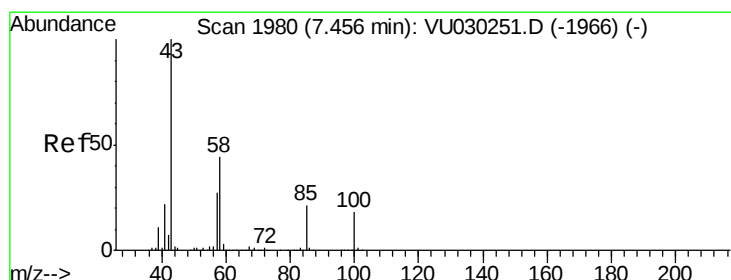
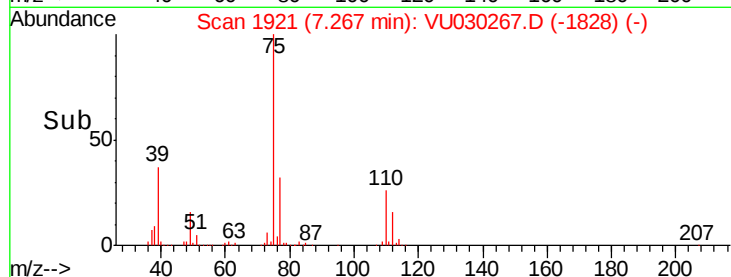
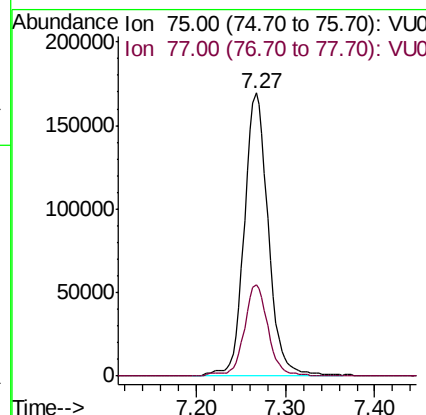
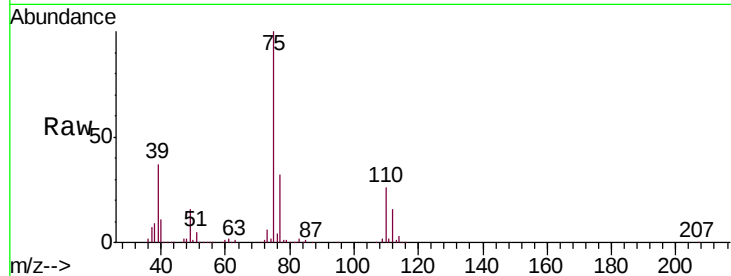




#39
 cis-1,3-Dichloropropene
 Concen: 50.753 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

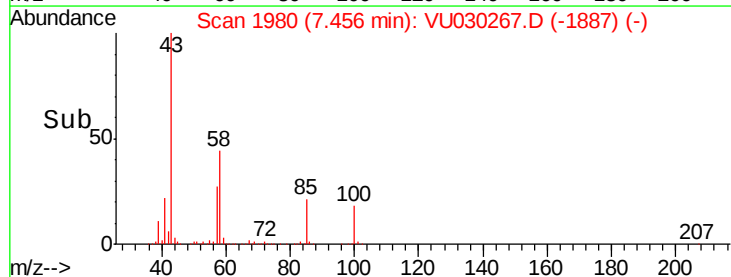
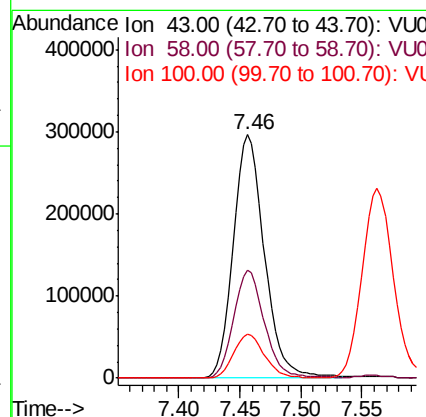
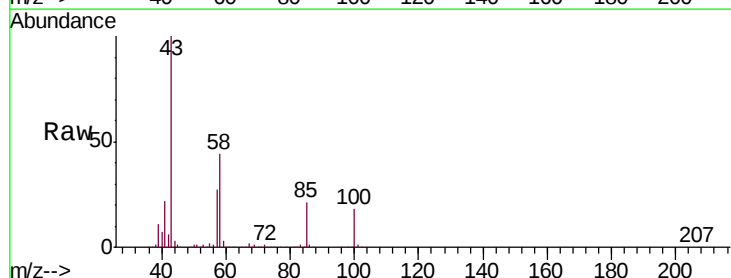
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

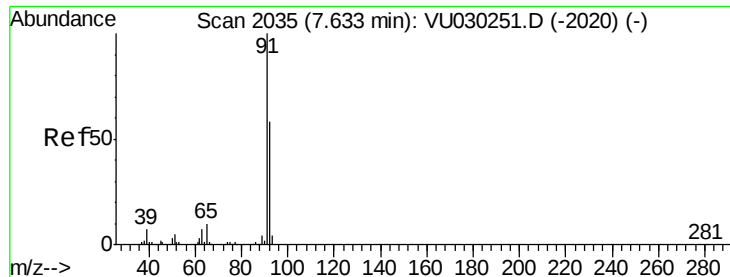
Tgt Ion: 75 Resp: 317431
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 98.797 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion: 43 Resp: 529309
 Ion Ratio Lower Upper
 43 100
 58 43.8 34.4 51.6
 100 18.0 13.9 20.9





#42

Toluene

Concen: 51.678 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

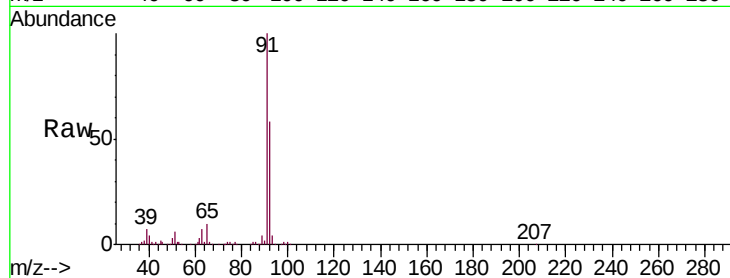
VSTD05051

Tgt Ion: 91 Resp: 856167

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VU030251.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU030251.D (-2020) (-)

7.63

500000

400000

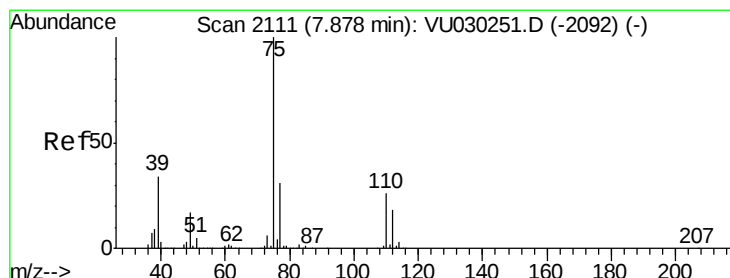
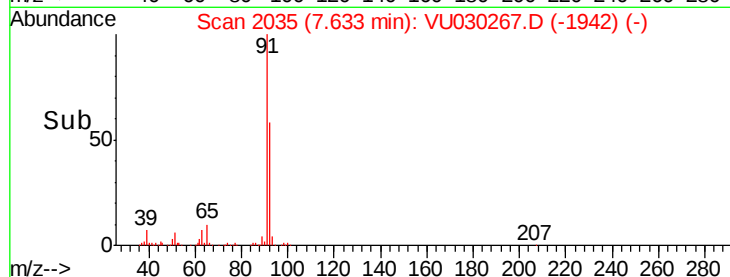
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.367 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030267.D

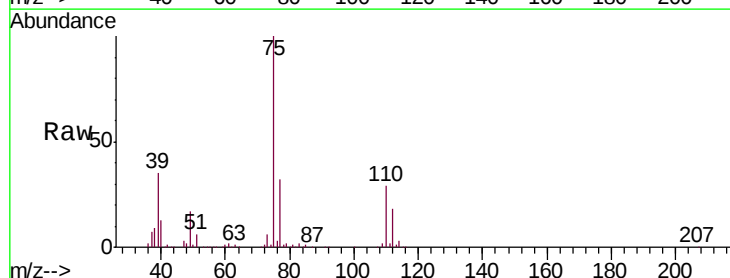
Acq: 21 Mar 2019 15:47

Tgt Ion: 75 Resp: 277998

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030251.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030251.D (-2092) (-)

7.88

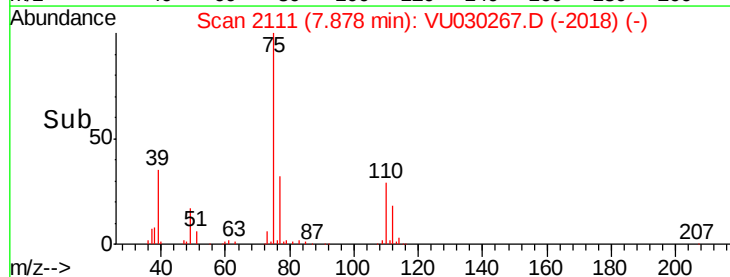
150000

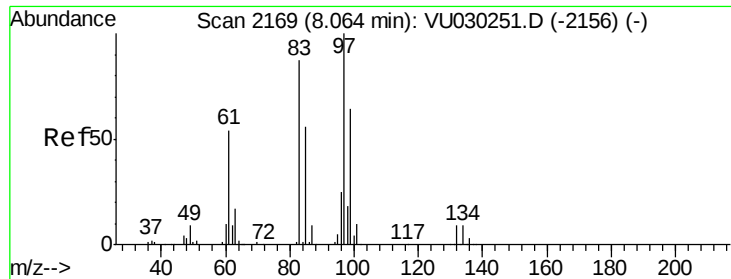
100000

50000

0

Time-->

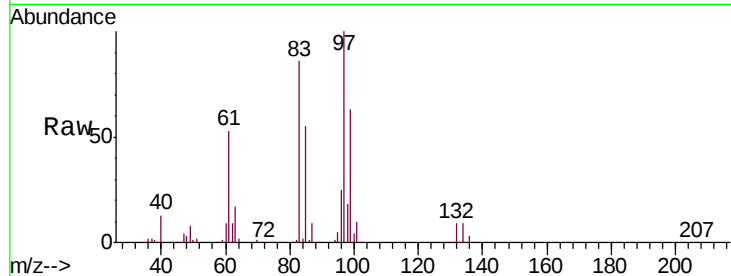




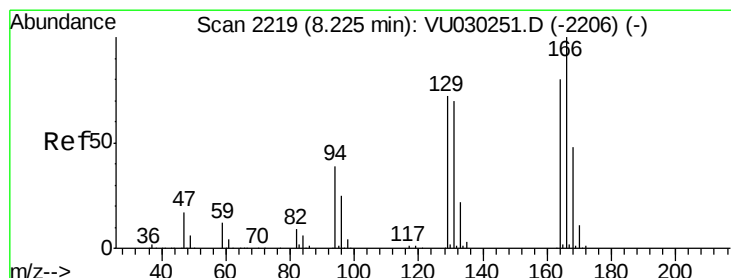
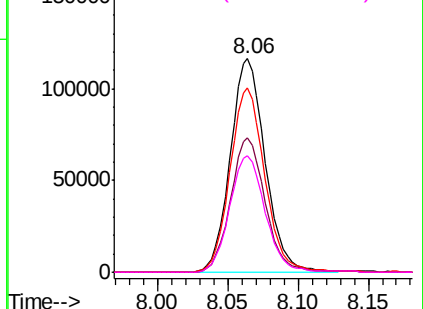
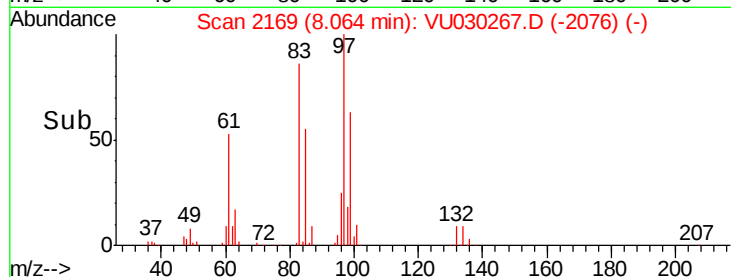
#45
 1,1,2-Trichloroethane
 Concen: 50.344 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion:	97	Resp:	201454
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.3	80.5
83	86.1	59.3	110.1
85	54.6	39.0	72.4

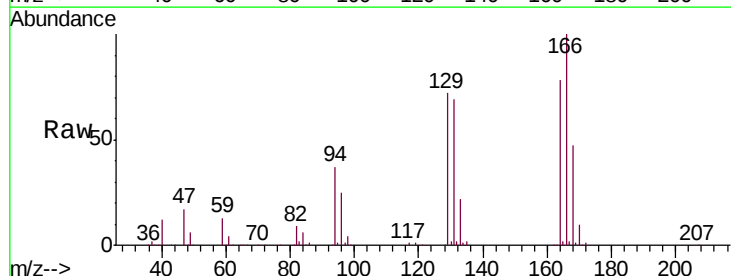


Abundance Ion 97.00 (96.70 to 97.70): VU030251.D (-2156) (-)

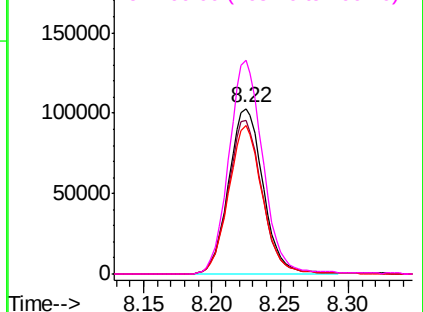
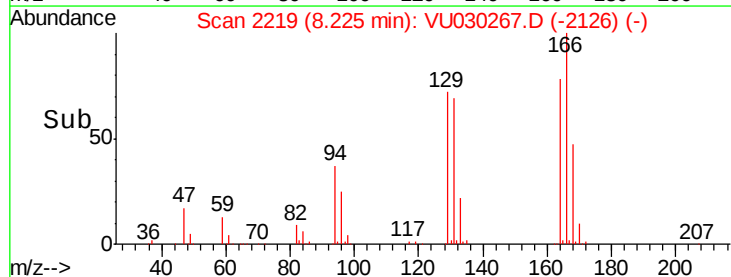


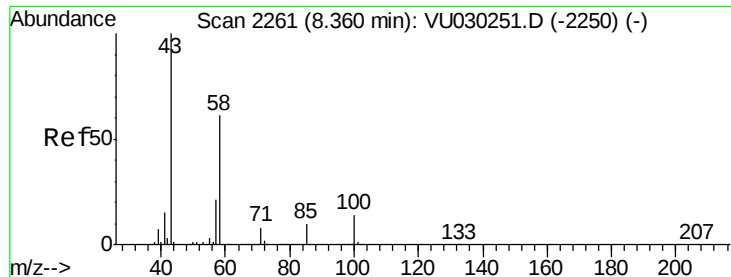
#46
 Tetrachloroethene
 Concen: 53.446 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion:	164	Resp:	181163
Ion	Ratio	Lower	Upper
164	100		
129	92.7	64.4	119.6
131	89.2	63.2	117.4
166	128.9	89.5	166.1



Abundance Ion 164.00 (163.70 to 164.70): VU030251.D (-2206) (-)

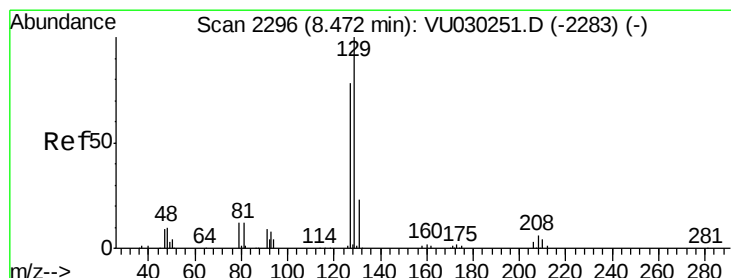
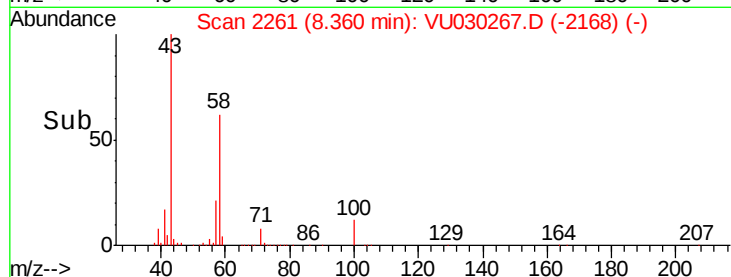
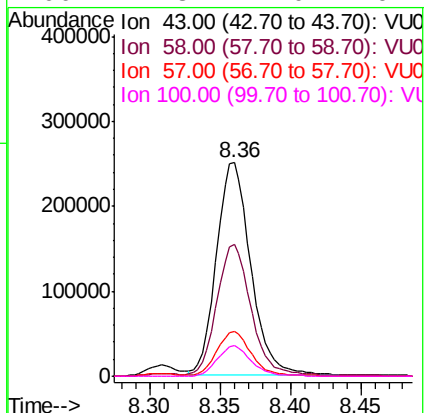
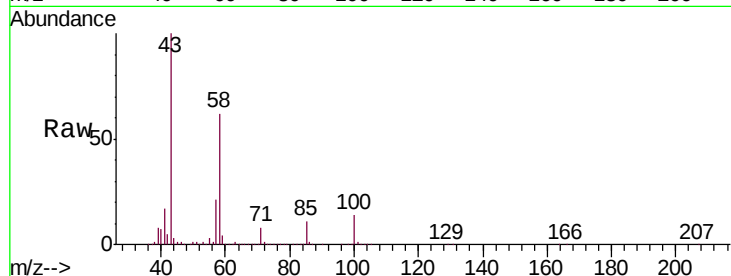




#48
2-Hexanone
Concen: 95.153 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

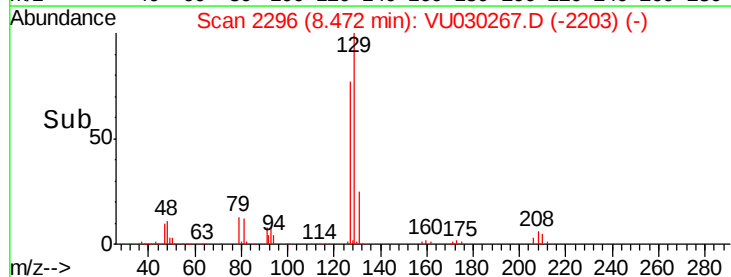
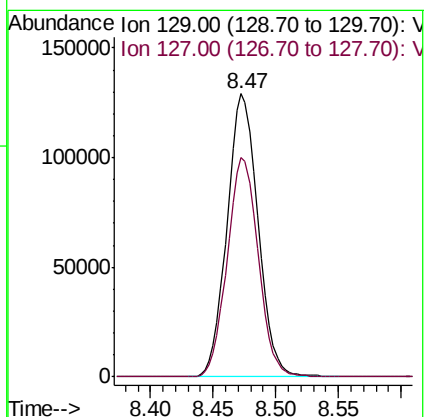
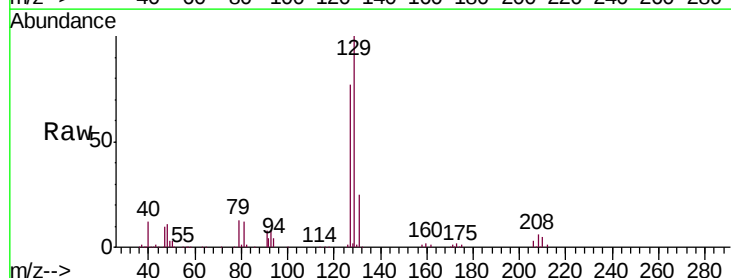
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

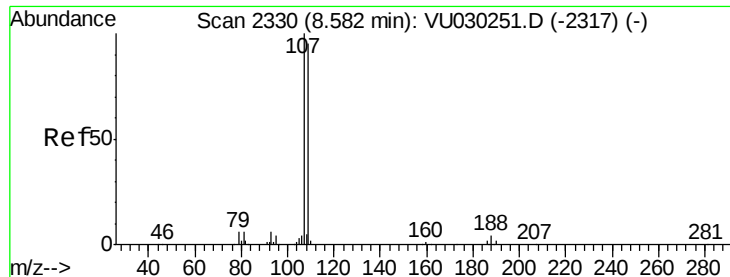
Tgt Ion:	43	Resp:	423116
Ion	Ratio	Lower	Upper
43	100		
58	63.1	49.3	73.9
57	21.0	17.0	25.4
100	14.3	11.0	16.4



#49
Dibromochloromethane
Concen: 49.441 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

Tgt Ion:	129	Resp:	221850
Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.4	99.2

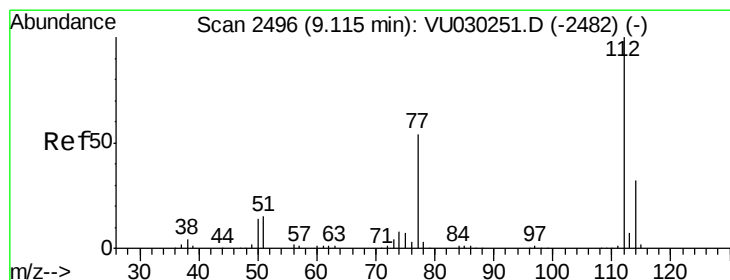
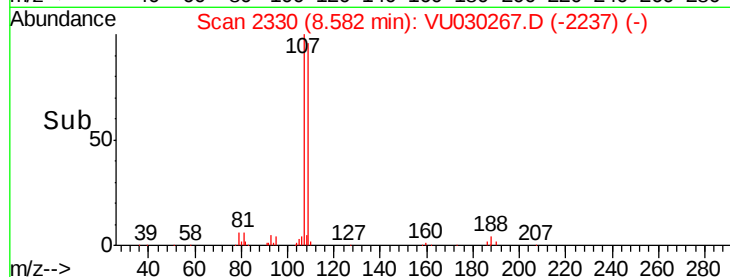
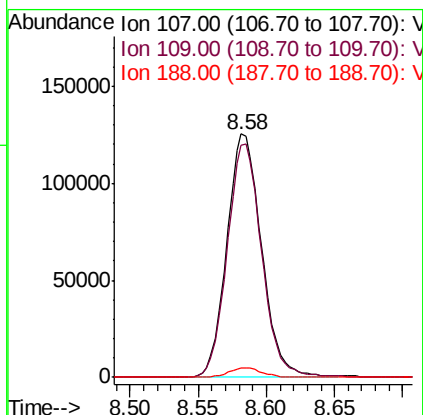
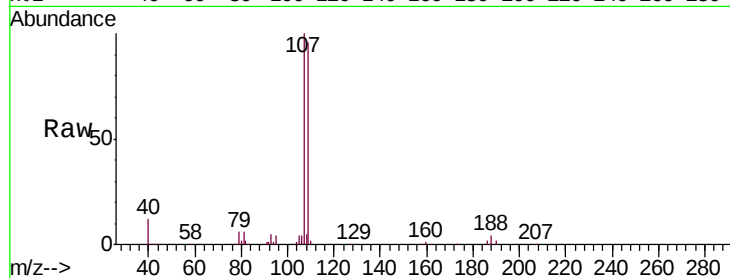




#50
1,2-Dibromoethane
Concen: 49.896 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

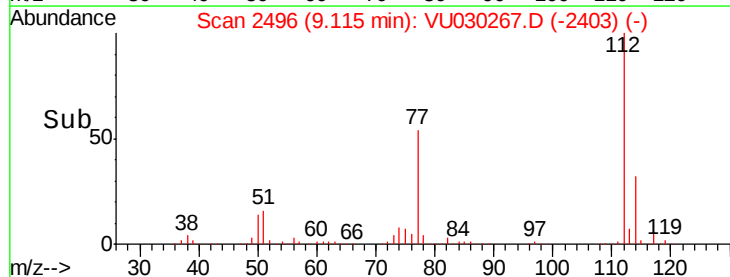
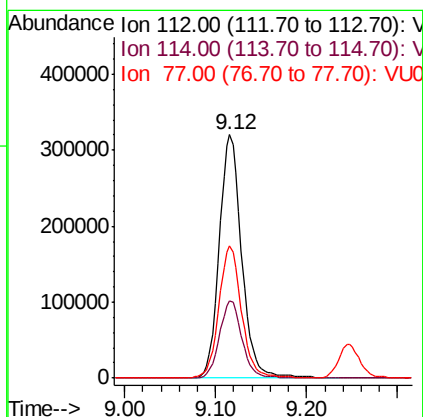
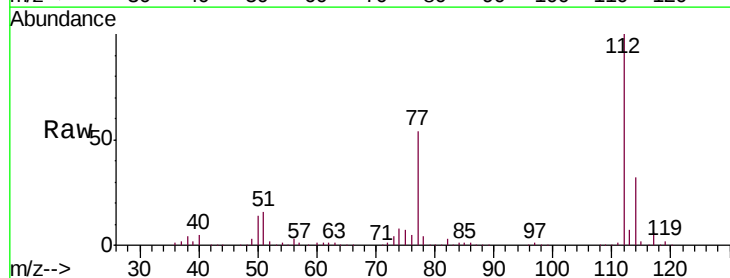
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

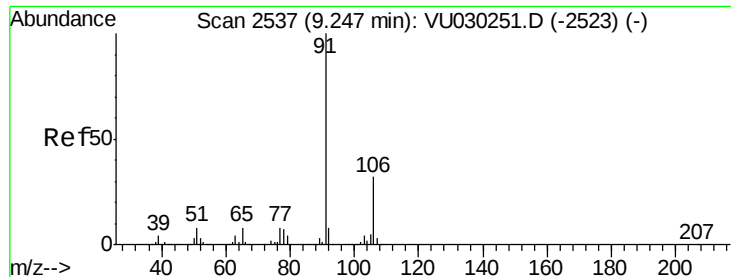
Tgt Ion:107 Resp: 221356
Ion Ratio Lower Upper
107 100
109 95.6 65.4 121.4
188 3.7 2.7 4.1



#51
Chlorobenzene
Concen: 50.027 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030267.D
Acq: 21 Mar 2019 15:47

Tgt Ion:112 Resp: 548333
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 54.3 43.4 65.0





#52

Ethylbenzene

Concen: 50.780 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

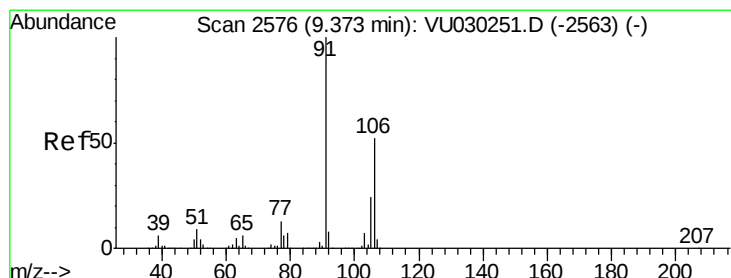
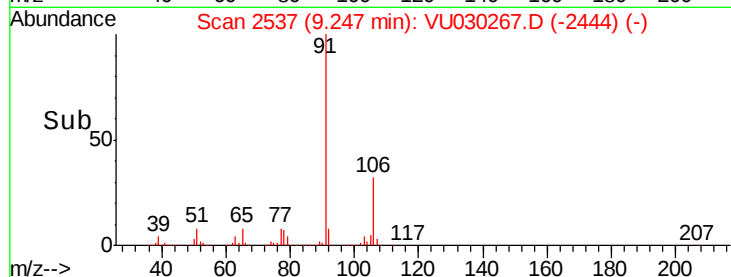
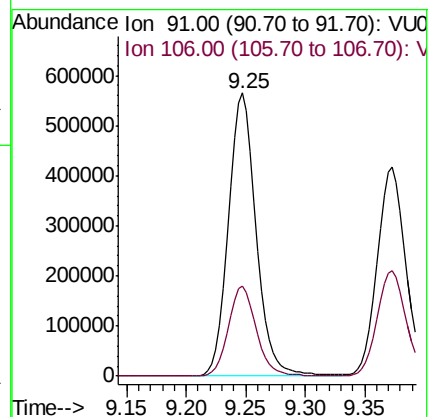
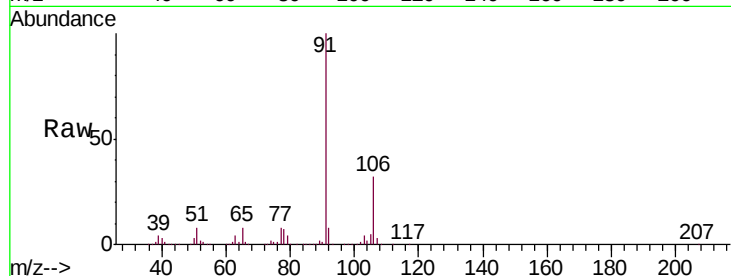
VSTD05051

Tgt Ion: 91 Resp: 913629

Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.7



#53

m,p-Xylene

Concen: 51.659 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030267.D

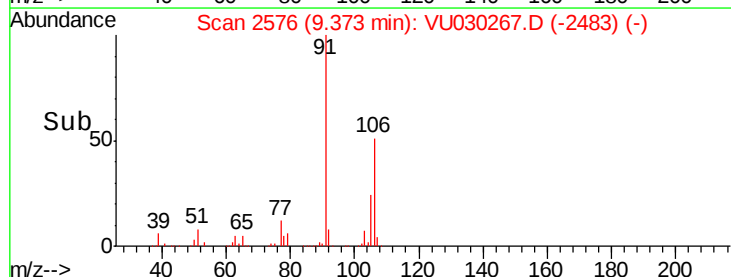
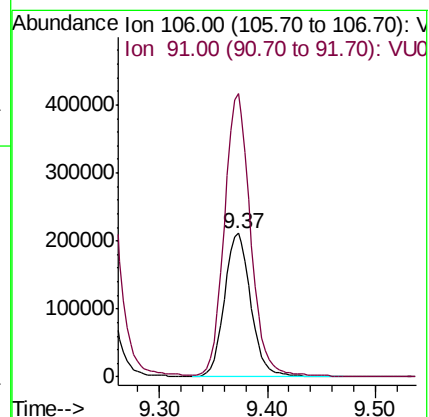
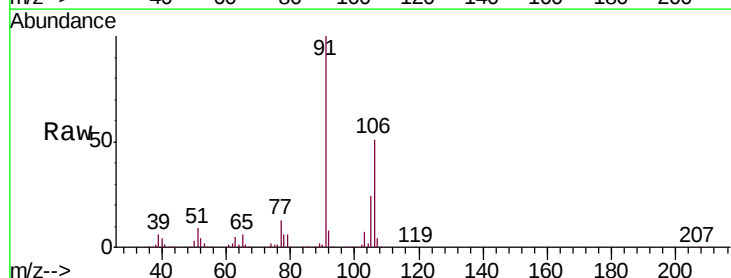
Acq: 21 Mar 2019 15:47

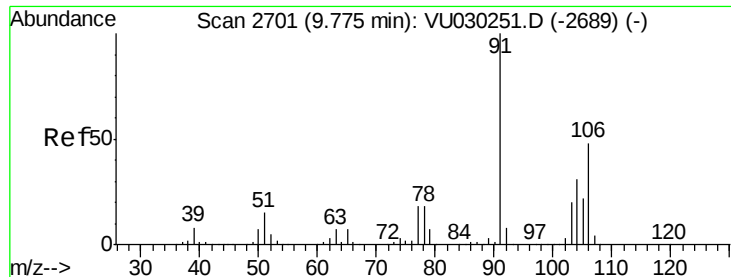
Tgt Ion: 106 Resp: 358086

Ion Ratio Lower Upper

106 100

91 197.2 138.2 256.6





#54

o-xylene

Concen: 52.248 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

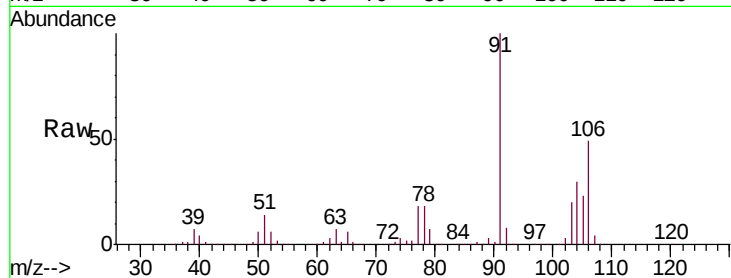
VSTD05051

Tgt Ion:106 Resp: 356022

Ion Ratio Lower Upper

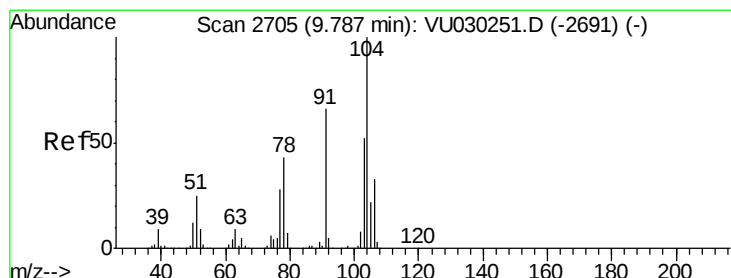
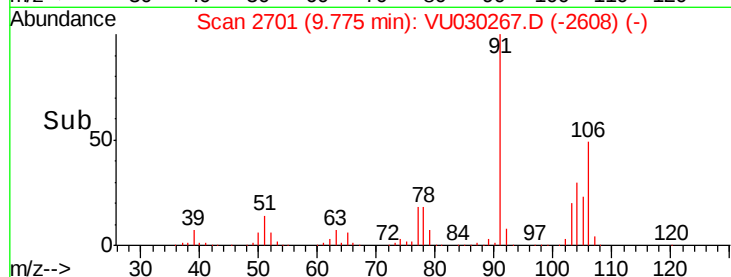
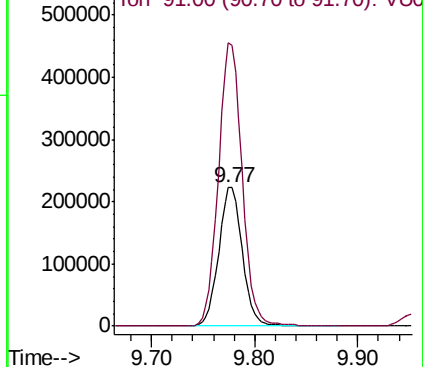
106 100

91 204.6 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.044 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030267.D

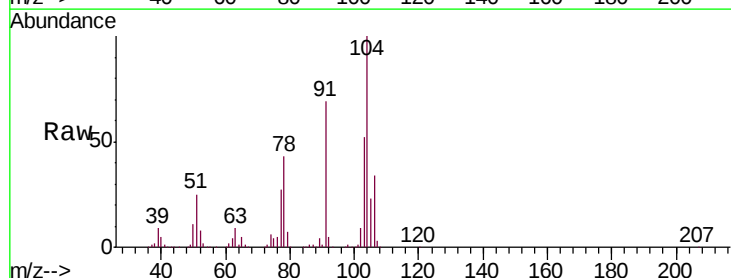
Acq: 21 Mar 2019 15:47

Tgt Ion:104 Resp: 600852

Ion Ratio Lower Upper

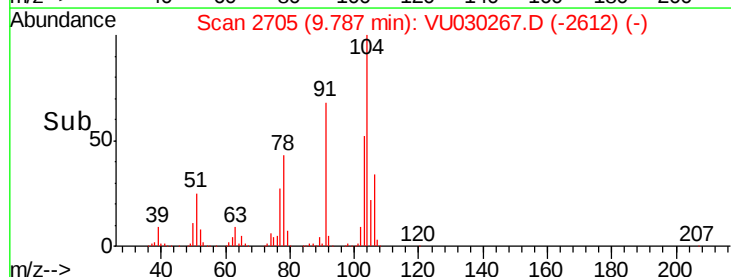
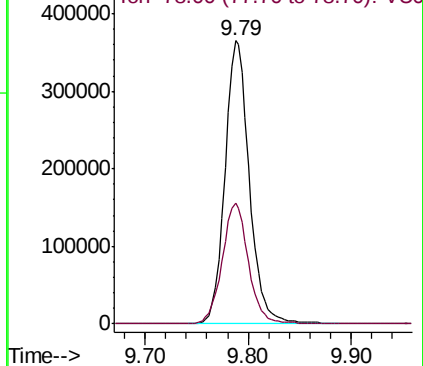
104 100

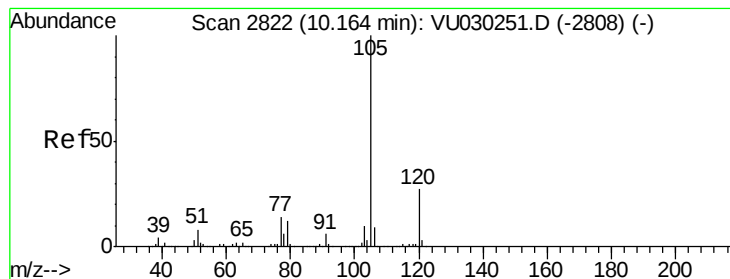
78 42.7 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.074 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

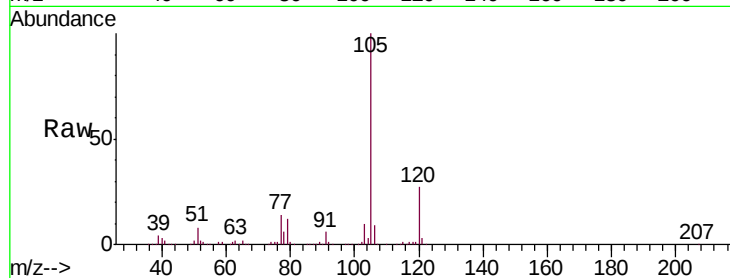
Tgt Ion: 105 Resp: 899763

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

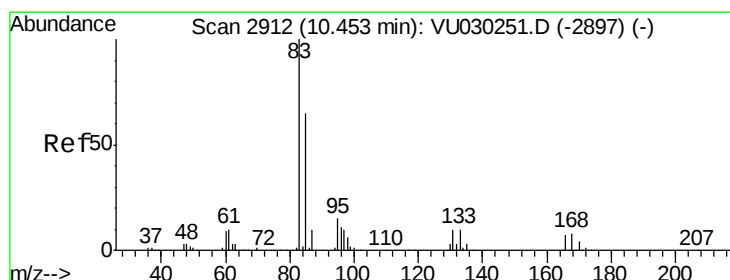
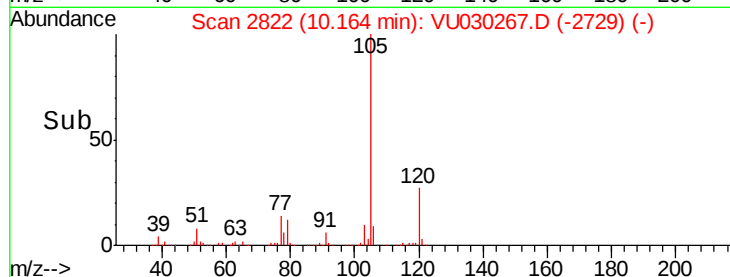
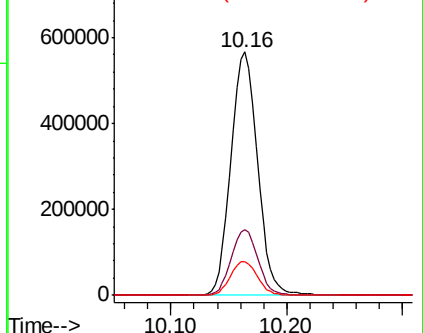
77 14.3 11.3 16.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.196 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

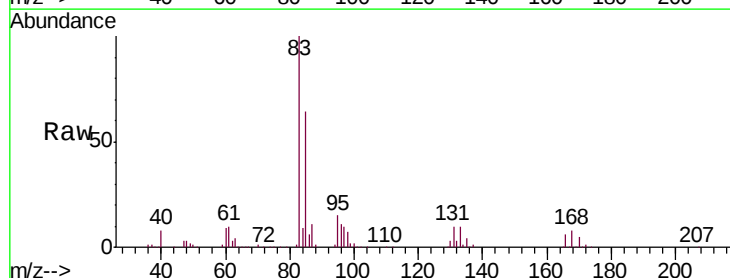
Tgt Ion: 83 Resp: 342507

Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9

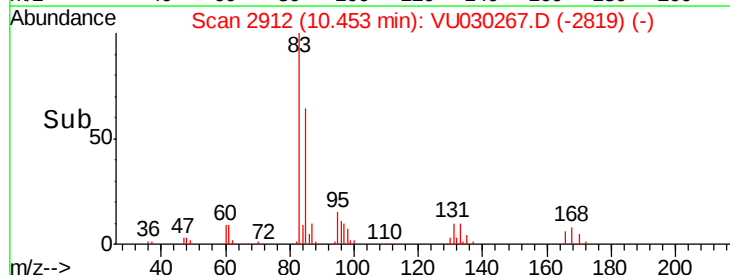
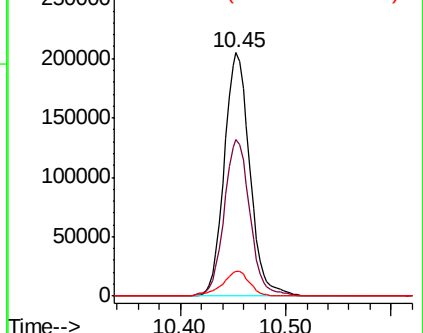
131 10.1 7.8 11.6

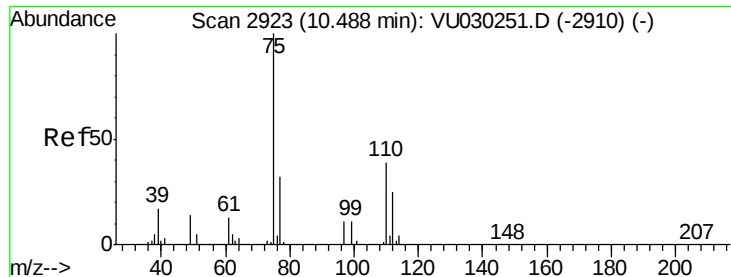


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

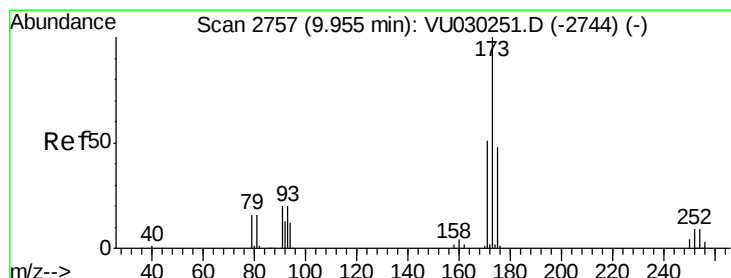
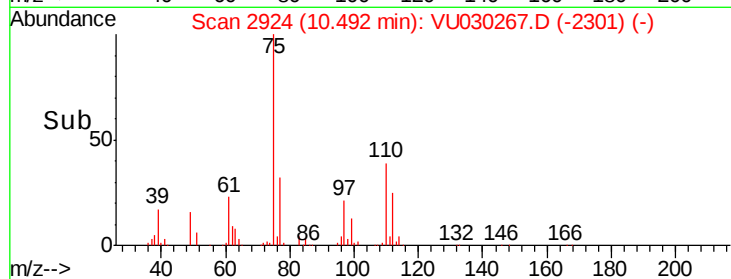
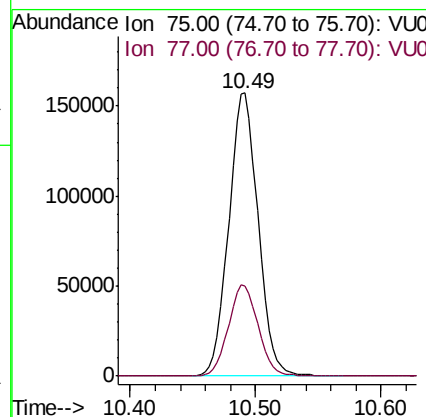
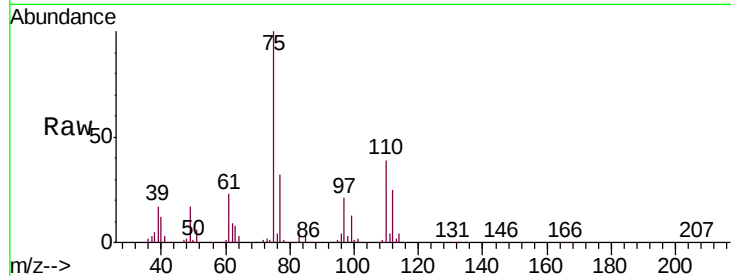




#59
 1,2,3-Trichloropropane
 Concen: 48.759 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

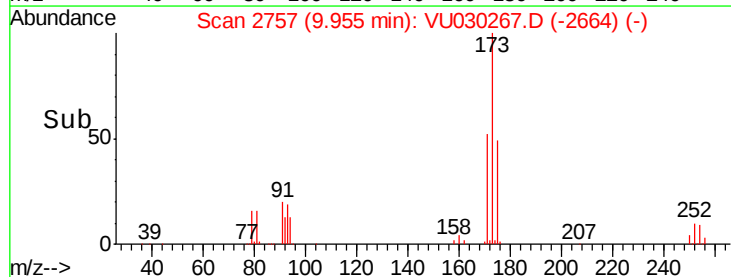
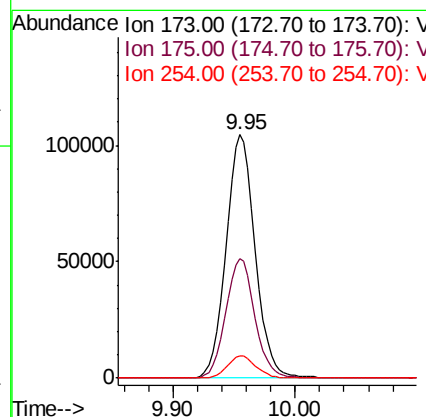
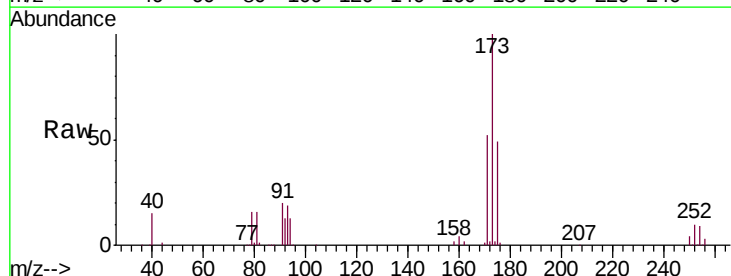
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

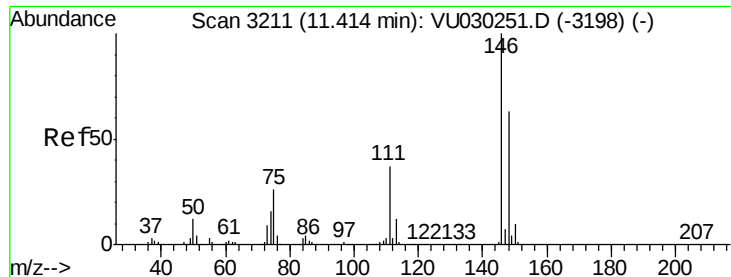
Tgt Ion: 75 Resp: 256894
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#61
 Bromoform
 Concen: 50.619 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion: 173 Resp: 174700
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.9 58.3
 254 9.0 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 50.420 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

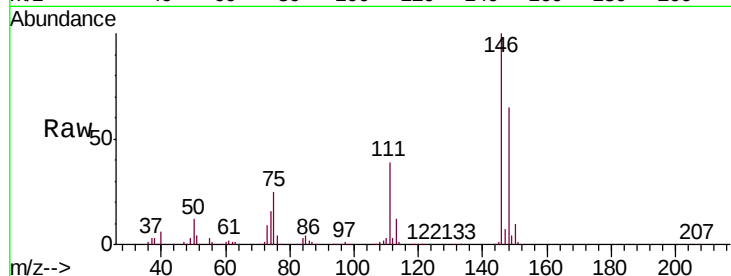
Tgt Ion:146 Resp: 429919

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

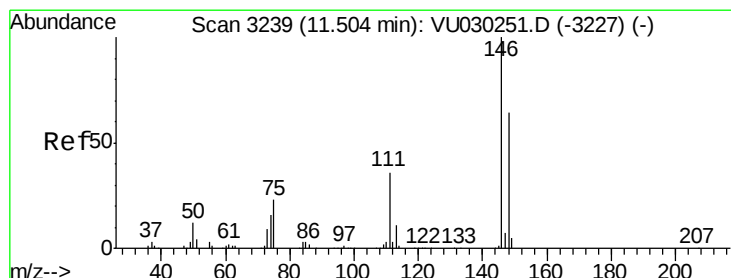
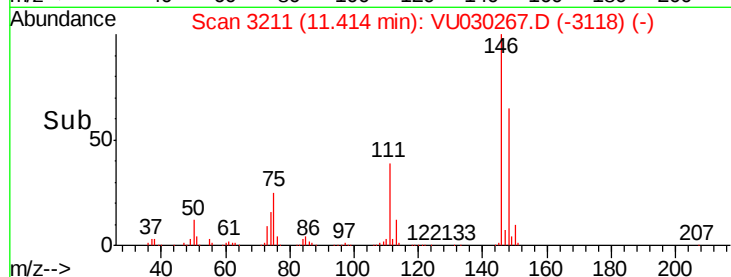
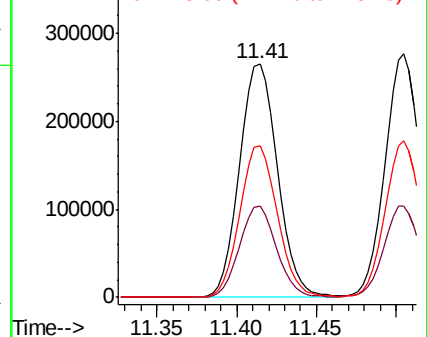
148 64.7 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 49.349 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

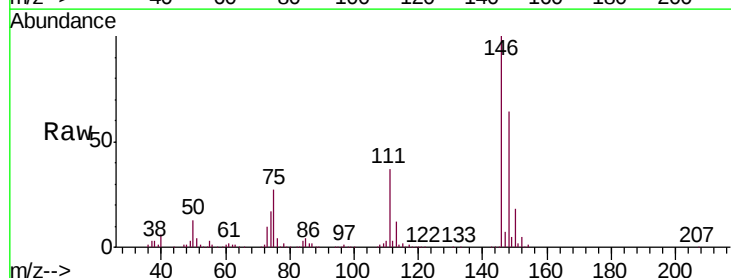
Tgt Ion:146 Resp: 436462

Ion Ratio Lower Upper

146 100

111 37.5 25.3 46.9

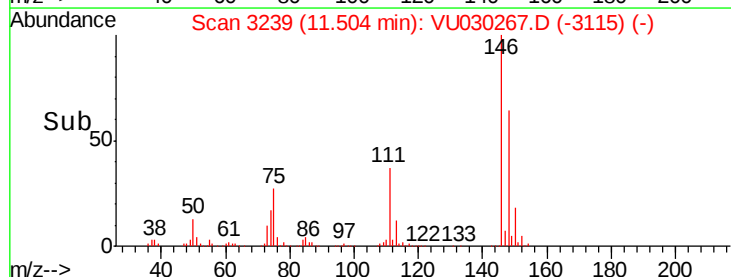
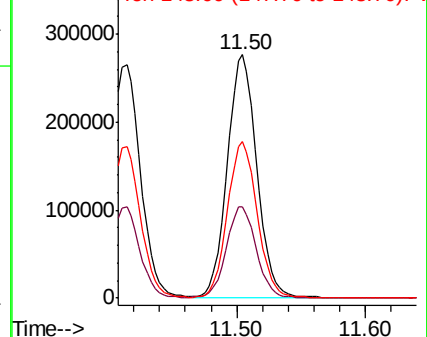
148 64.2 44.7 82.9

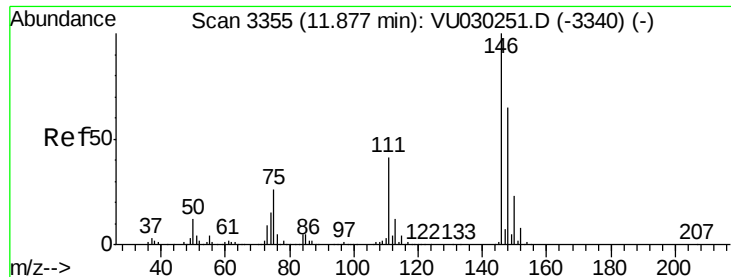


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

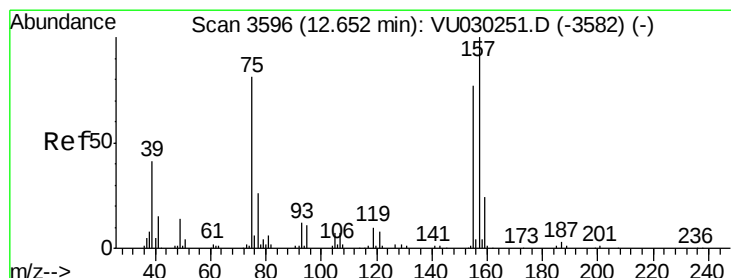
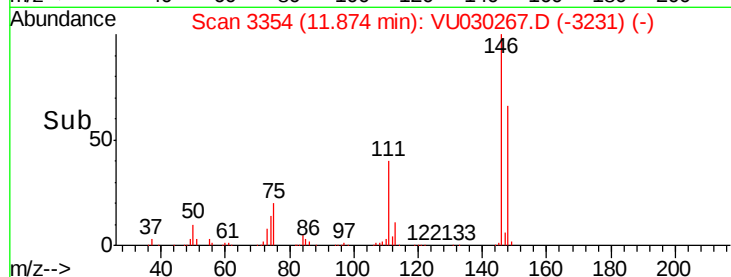
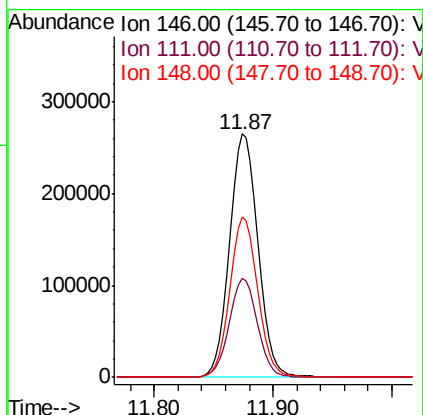
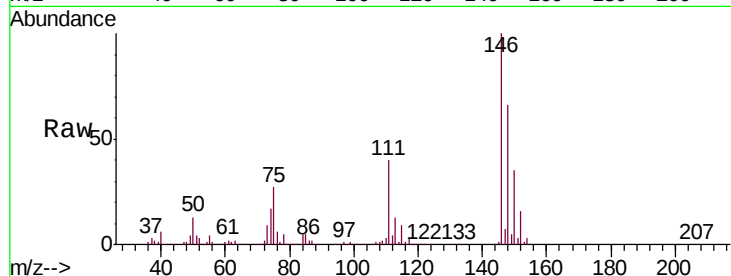




#65
 1,2-Dichlorobenzene
 Concen: 50.437 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

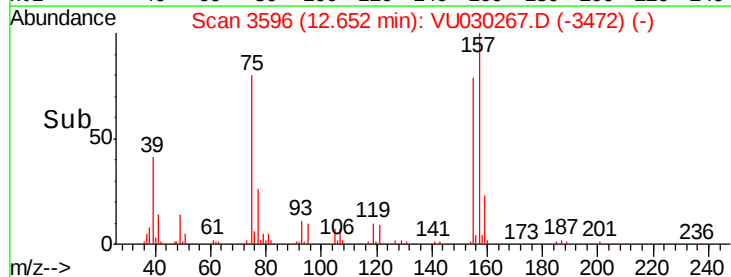
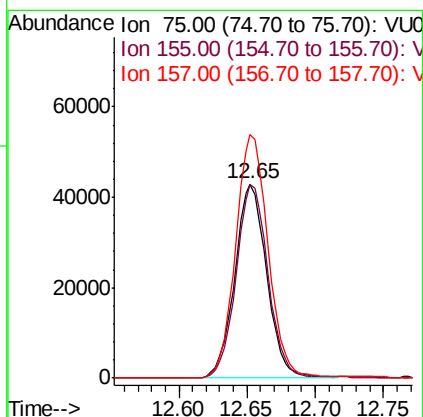
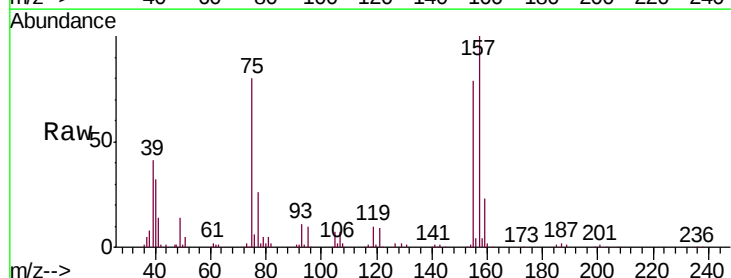
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

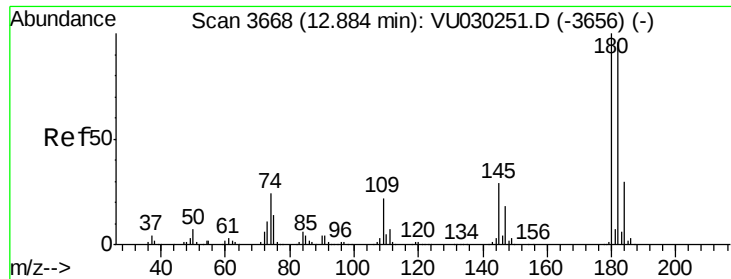
Tgt Ion:146 Resp: 439388
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.7 47.5
 148 65.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.994 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion: 75 Resp: 69904
 Ion Ratio Lower Upper
 75 100
 155 99.7 80.7 121.1
 157 125.7 100.8 151.2

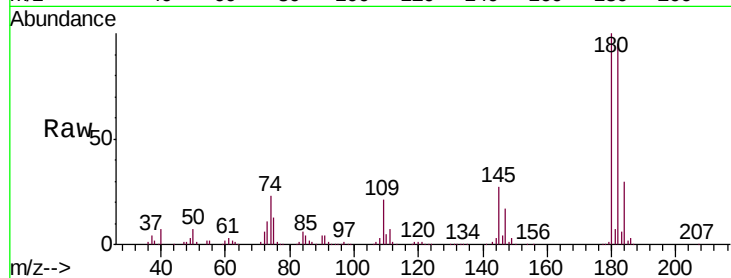




#67
 1,3,5-Trichlorobenzene
 Concen: 50.562 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
184	30.4	24.2	36.4
145	28.4	22.1	33.1



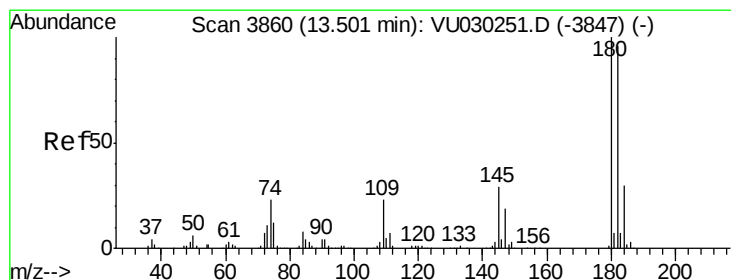
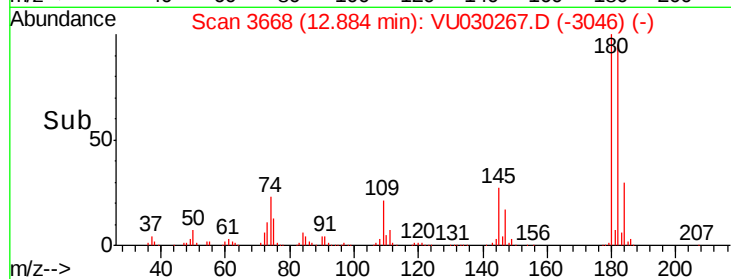
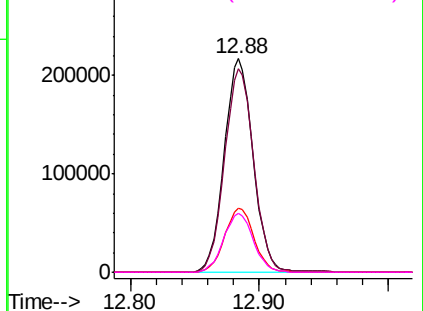
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

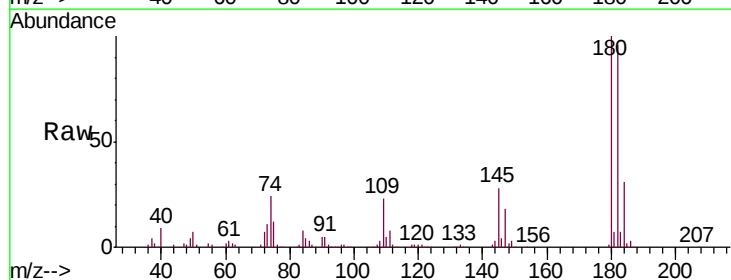
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.176 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030267.D
 Acq: 21 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.4	114.6
145	27.9	22.7	34.1

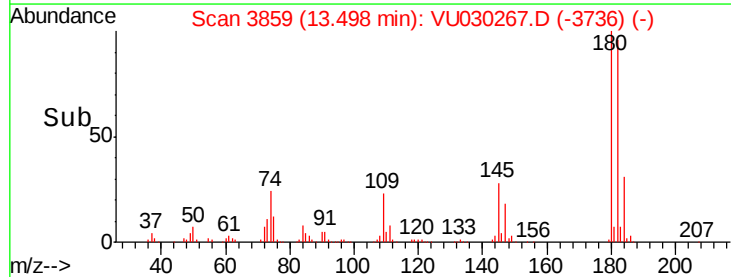
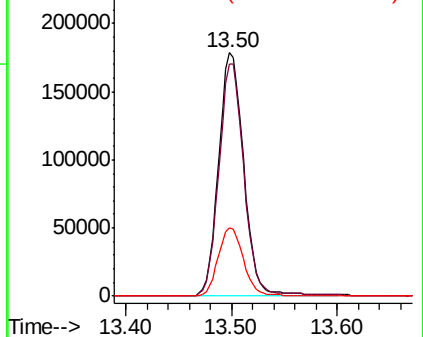


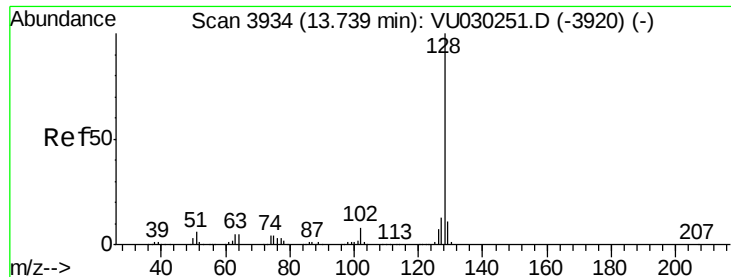
Abundance

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: 46.461 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

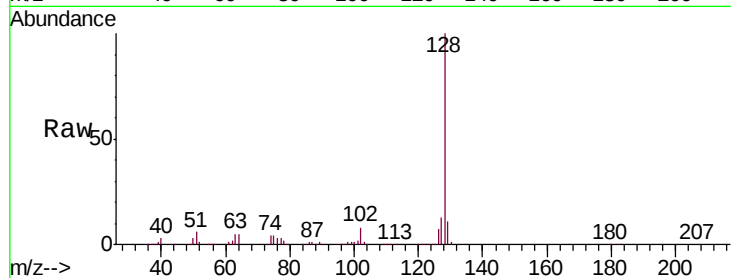
Tgt Ion:128 Resp: 868656

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

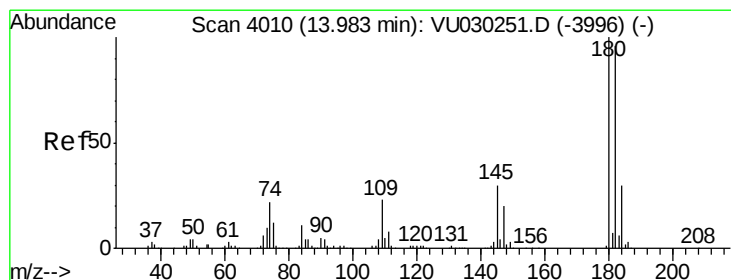
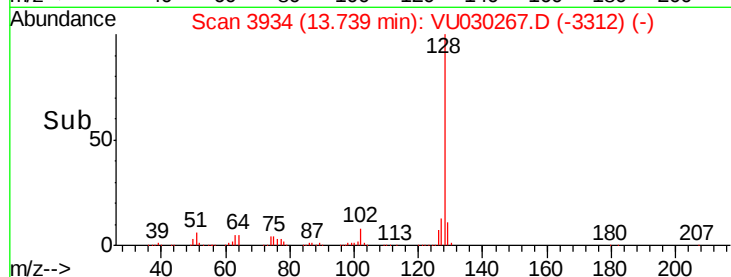
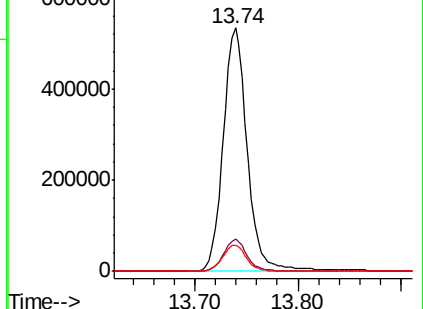
129 10.8 8.5 12.7



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: 49.314 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030267.D

Acq: 21 Mar 2019 15:47

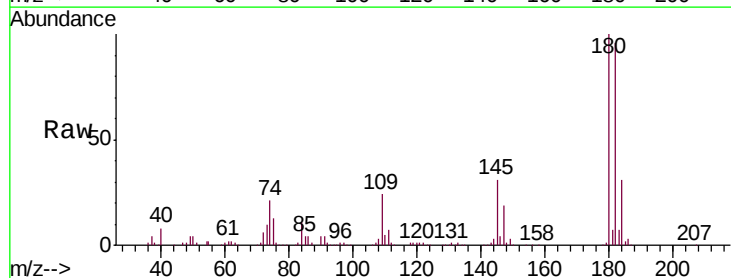
Tgt Ion:180 Resp: 303229

Ion Ratio Lower Upper

180 100

182 95.6 75.9 113.9

145 30.6 24.1 36.1



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

