

Data File : VU031525.D
Acq On : 26 Apr 2019 12:12
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV54

Quant Time: Apr 27 00:22:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 00:11:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	712532	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	699625	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	305338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	288269	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.68%
7) Chloroethane-d5	1.68	69	231397	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.42%
11) 1,1-Dichloroethene-d2	2.27	63	584798	49.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.48%
21) 2-Butanone-d5	4.19	46	590135	109.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.22%
24) Chloroform-d	4.64	84	543067	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.31	65	354549	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.34	84	1059805	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
36) 1,2-Dichloropropane-d6	6.33	67	362390	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.56	98	918000	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	164462	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.38%
47) 2-Hexanone-d5	8.31	63	349831	106.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	492069	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	325608	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	382981	48.879 ug/L	98
3) Chloromethane	1.32	50	457808	48.292 ug/L	100
5) Vinyl chloride	1.40	62	428553	48.353 ug/L	99
6) Bromomethane	1.63	94	231101	49.444 ug/L	99
8) Chloroethane	1.70	64	236796	48.876 ug/L	98
9) Trichlorofluoromethane	1.88	101	496380	49.129 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	282285	49.424 ug/L	99
12) 1,1-Dichloroethene	2.28	96	272250	48.972 ug/L	90
13) Acetone	2.34	43	580336	95.353 ug/L	99
14) Carbon disulfide	2.48	76	896728	48.609 ug/L	99
15) Methyl Acetate	2.62	43	461995	50.167 ug/L	99
16) Methylene chloride	2.70	84	318153	48.494 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	280105	48.355 ug/L	99
18) Methyl tert-butyl Ether	2.99	73	949490	51.448 ug/L	99
19) 1,1-Dichloroethane	3.44	63	597196	48.953 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	313271	50.416 ug/L	100
22) 2-Butanone	4.27	43	732275	108.600 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	150090	49.709	ug/L	97
25) Chloroform	4.67	83	565594	48.483	ug/L	99
27) 1,2-Dichloroethane	5.40	62	460790	48.629	ug/L	98
29) Cyclohexane	4.99	56	562649	50.814	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	461267	47.056	ug/L	99
31) Carbon tetrachloride	5.13	117	406201	48.482	ug/L	99
33) Benzene	5.39	78	1250949	48.633	ug/L	100
34) Trichloroethene	6.18	95	306717	49.191	ug/L	97
35) Methylcyclohexane	6.41	83	476511	50.994	ug/L	100
37) 1,2-Dichloropropane	6.43	63	353456	48.403	ug/L	100
38) Bromodichloromethane	6.75	83	422758	47.747	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	503238	52.154	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1154661	102.774	ug/L	99
42) Toluene	7.63	91	1258414	49.113	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	438508	50.105	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	297700	49.451	ug/L	99
46) Tetrachloroethene	8.22	164	208738	49.106	ug/L	96
48) 2-Hexanone	8.36	43	949964	104.544	ug/L	99
49) Dibromochloromethane	8.47	129	309516	49.414	ug/L	99
50) 1,2-Dibromoethane	8.58	107	310881	48.896	ug/L	100
51) Chlorobenzene	9.12	112	748446	49.430	ug/L	99
52) Ethylbenzene	9.25	91	1348219	50.725	ug/L	100
53) m,p-Xylene	9.37	106	477488	51.562	ug/L	99
54) o-xylene	9.77	106	474301	51.662	ug/L	98
55) Styrene	9.79	104	828986	52.852	ug/L	98
56) Isopropylbenzene	10.16	105	1257607	52.093	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	520610	48.735	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	414156	47.836	ug/L	99
61) Bromoform	9.95	173	213972	47.274	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	517064	51.158	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	523735	50.035	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	529243	49.269	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	122589	49.172	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	392534	51.853	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	333046	55.572	ug/L	99
69) Naphthalene	13.74	128	1204042	58.925	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	358016	52.472	ug/L	98

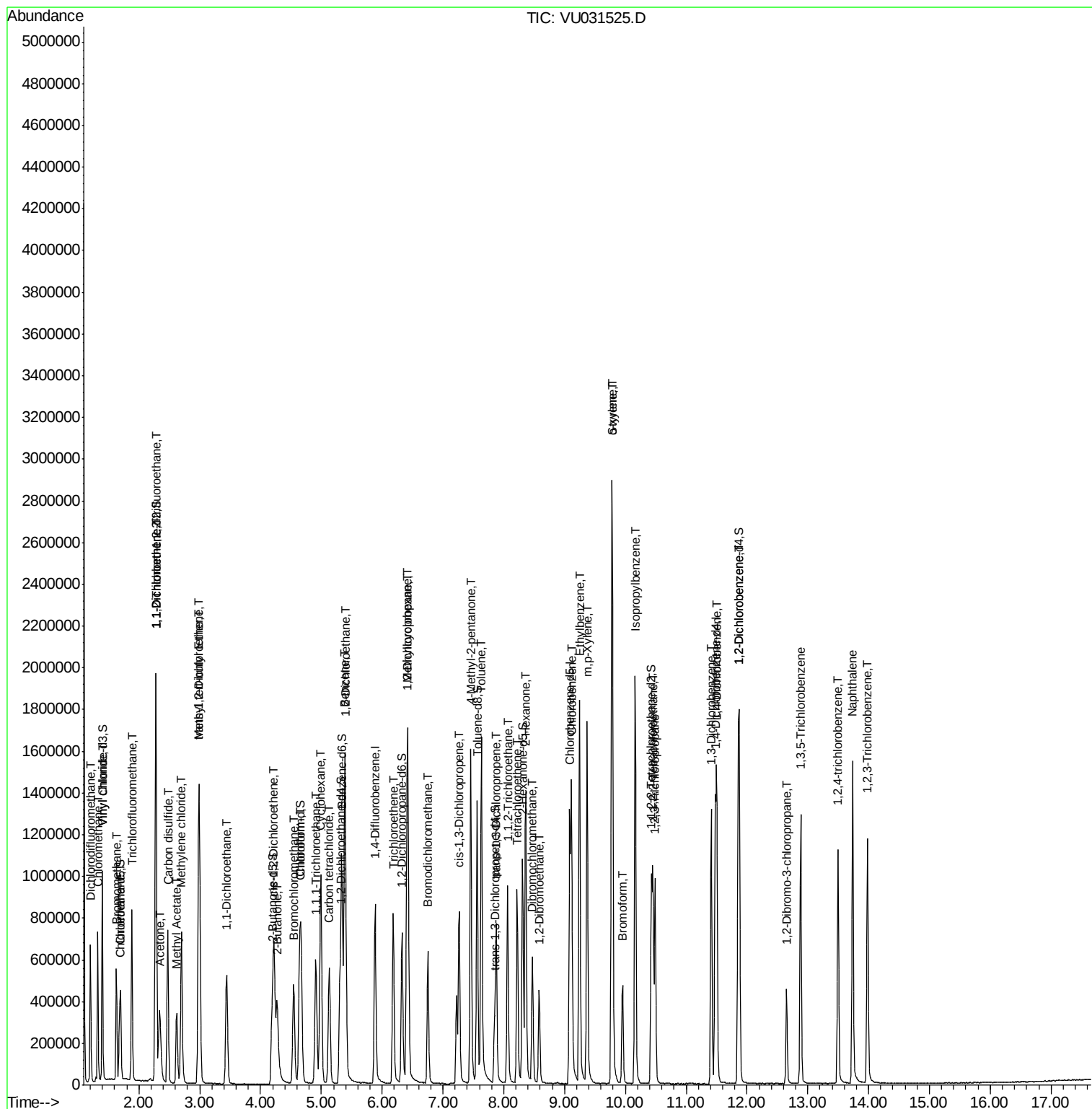
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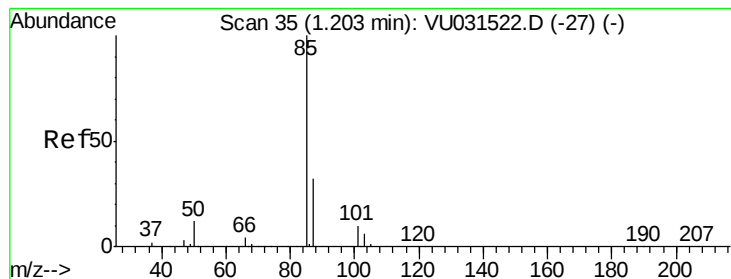
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#2

Dichlorodifluoromethane

Concen: 48.879 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

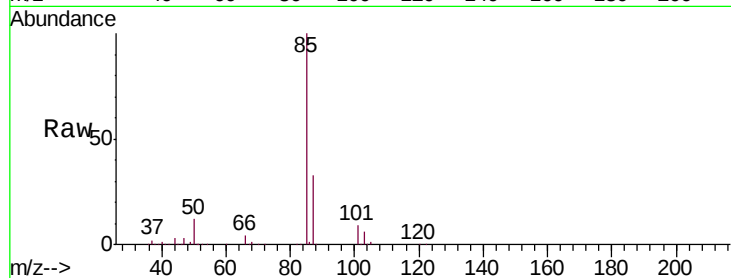
VICV54

Tgt Ion: 85 Resp: 382981

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031522.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031522.D (-27) (-)

1.20

400000

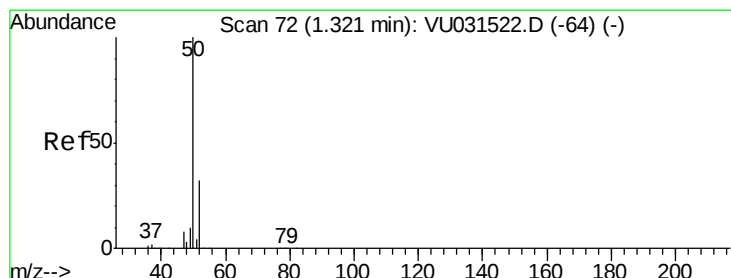
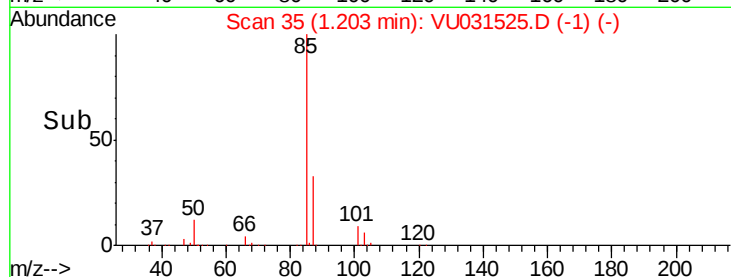
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 48.292 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031525.D

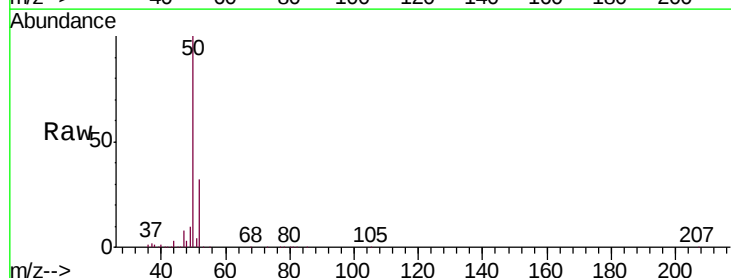
Acq: 26 Apr 2019 12:12

Tgt Ion: 50 Resp: 457808

Ion Ratio Lower Upper

50 100

52 32.3 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031522.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031522.D (-64) (-)

1.32

500000

400000

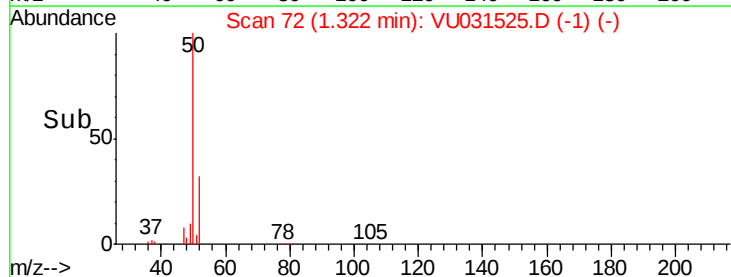
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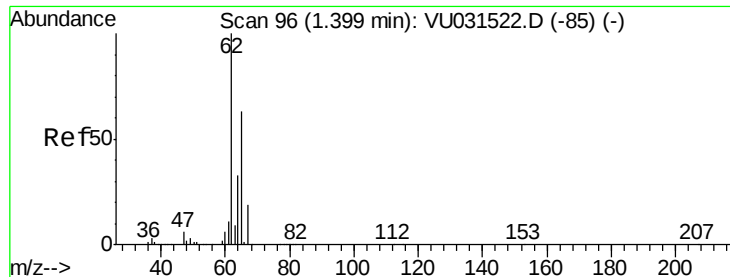
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 48.353 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

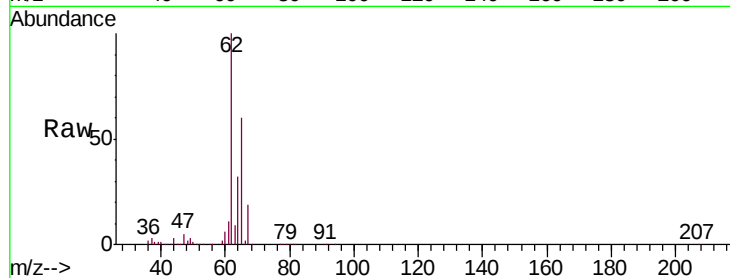
VICV54

Tgt Ion: 62 Resp: 428553

Ion Ratio Lower Upper

62 100

64 32.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU031522.D (-85) (-)

1.40

400000

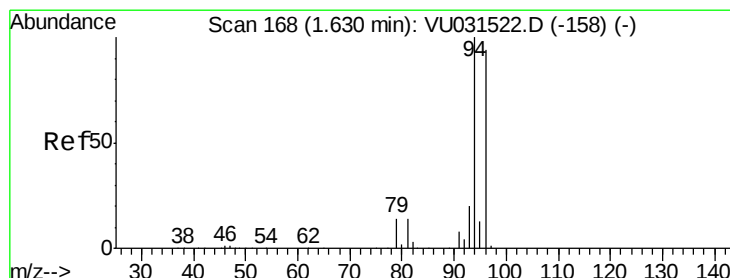
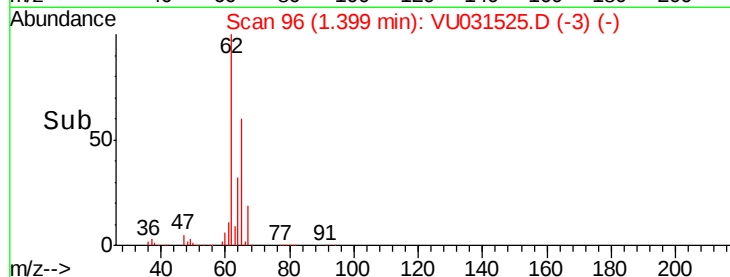
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 49.444 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031525.D

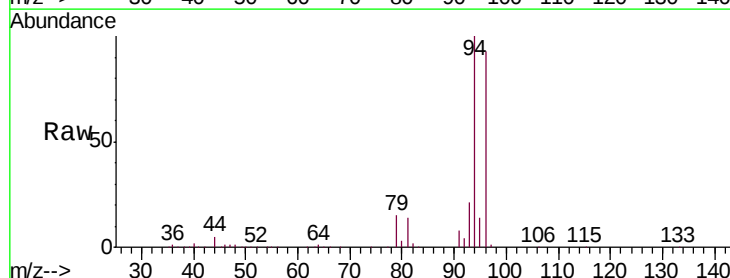
Acq: 26 Apr 2019 12:12

Tgt Ion: 94 Resp: 231101

Ion Ratio Lower Upper

94 100

96 92.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031522.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031522.D (-158) (-)

1.63

200000

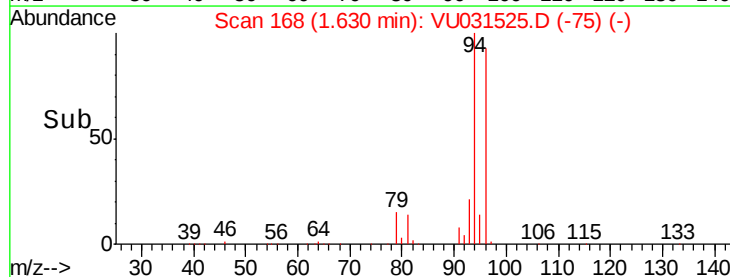
150000

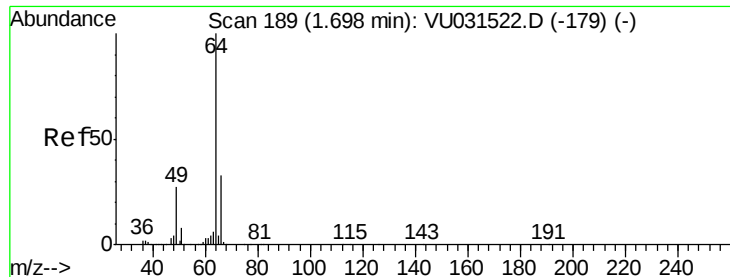
100000

50000

0

Time-->

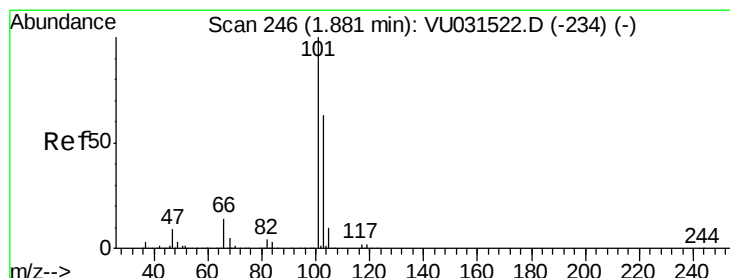
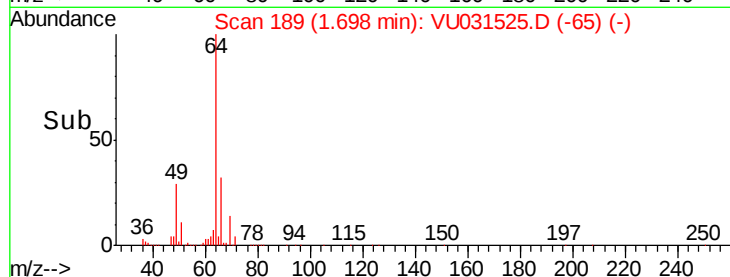
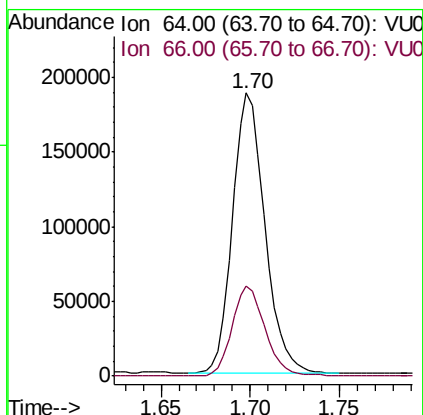
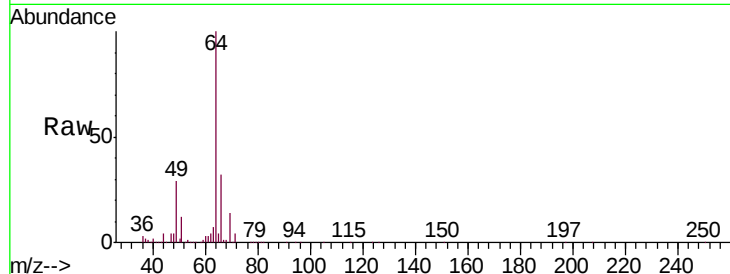




#8
Chloroethane
Concen: 48.876 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

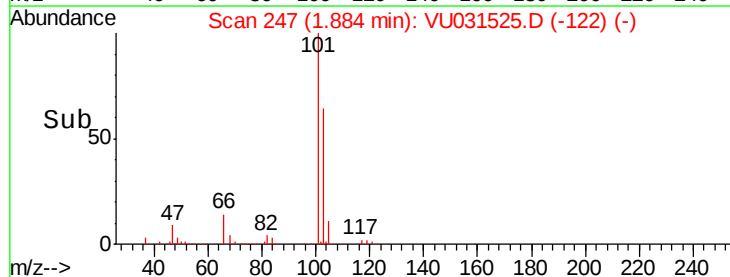
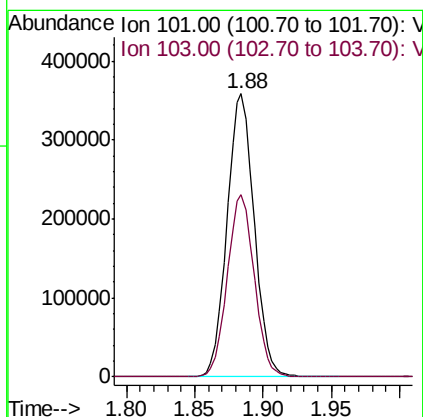
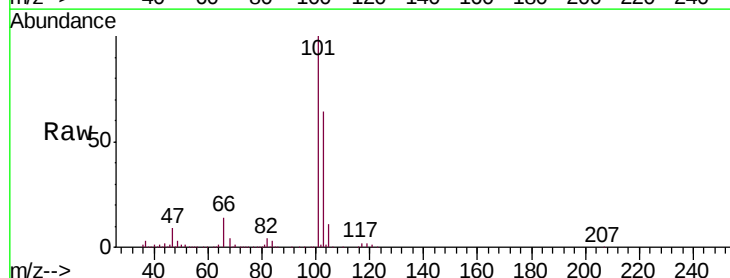
Instrument :
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ClientSampleId :
VICV54

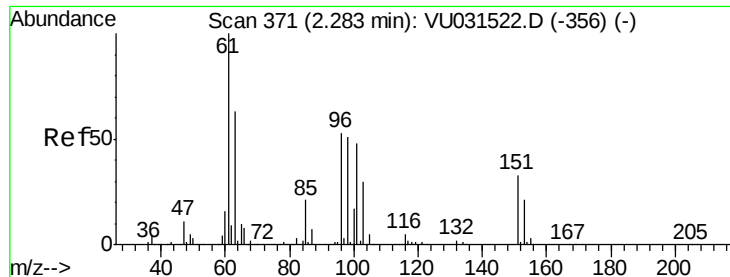
Tgt Ion: 64 Resp: 236796
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 49.129 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

Tgt Ion: 101 Resp: 496380
Ion Ratio Lower Upper
101 100
103 63.9 50.8 76.2





#10

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

Concen: 49.424 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VICV54

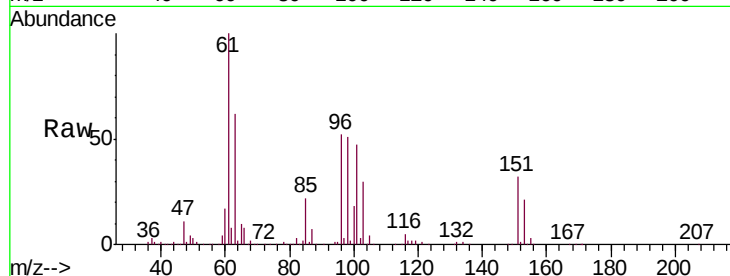
Tgt Ion: 101 Resp: 282285

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

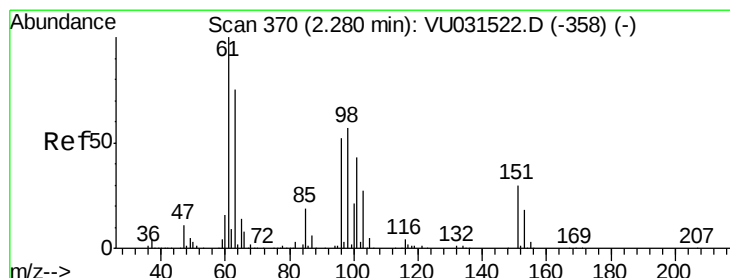
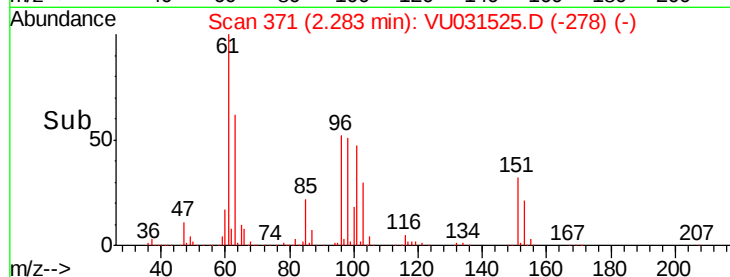
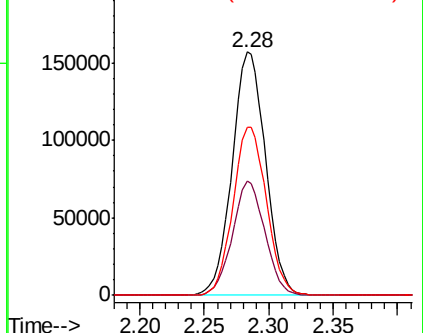
151 69.4 56.1 84.1



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: 48.972 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

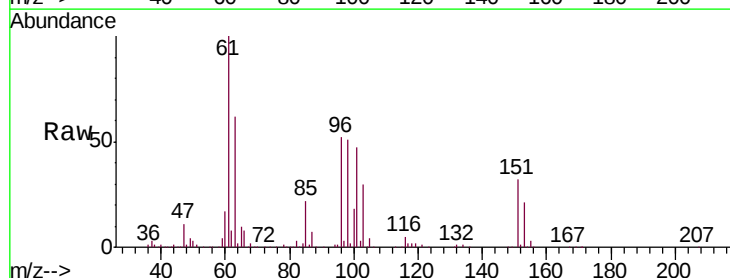
Tgt Ion: 96 Resp: 272250

Ion Ratio Lower Upper

96 100

61 193.1 135.0 250.6

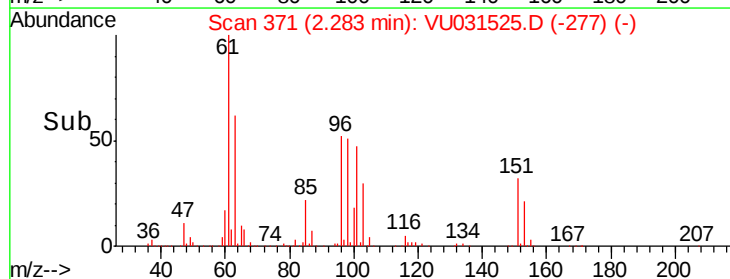
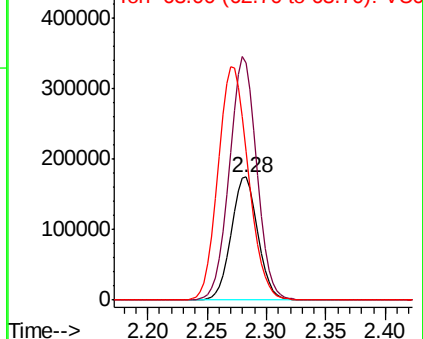
63 120.6 103.5 192.3

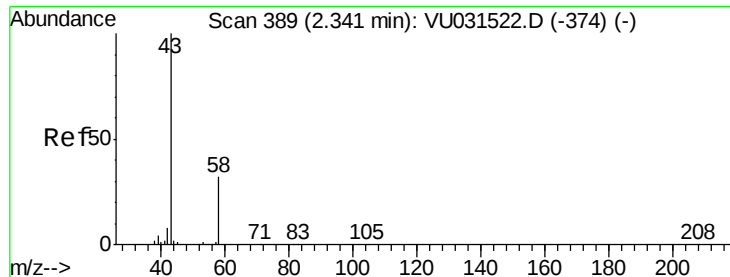


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.353 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

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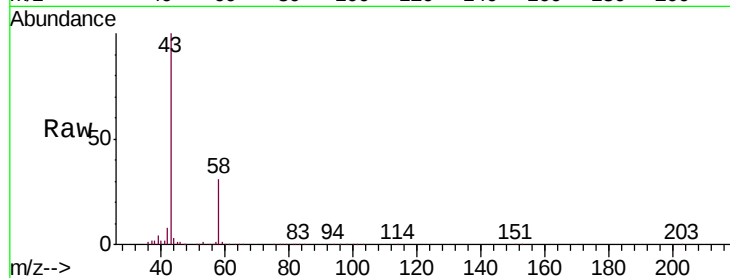
VICV54

Tgt Ion: 43 Resp: 580336

Ion Ratio Lower Upper

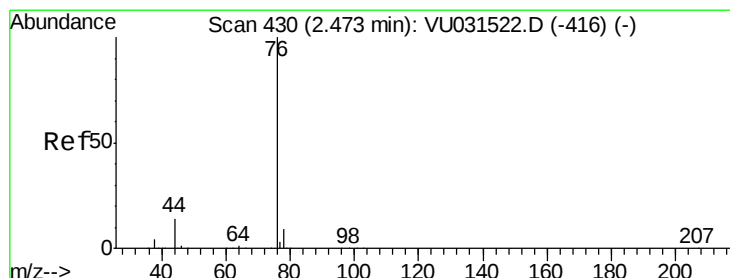
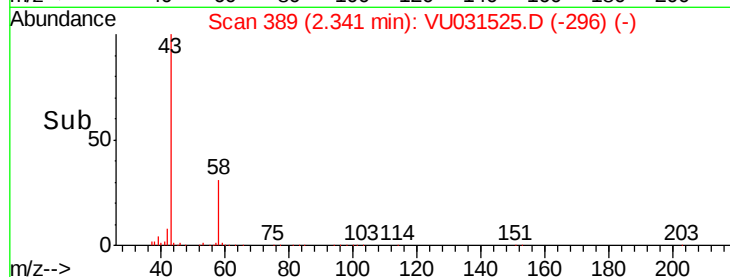
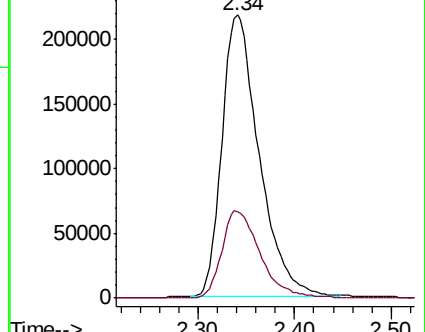
43 100

58 31.9 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031522.D (-374) (-)



#14

Carbon disulfide

Concen: 48.609 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031525.D

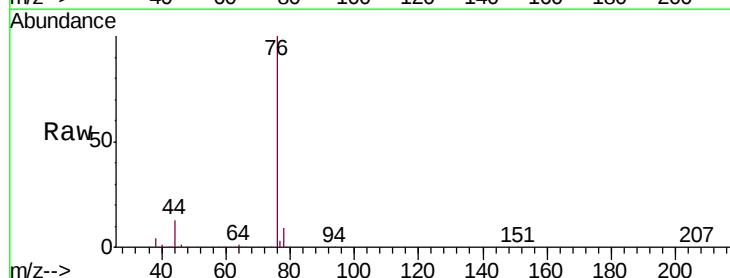
Acq: 26 Apr 2019 12:12

Tgt Ion: 76 Resp: 896728

Ion Ratio Lower Upper

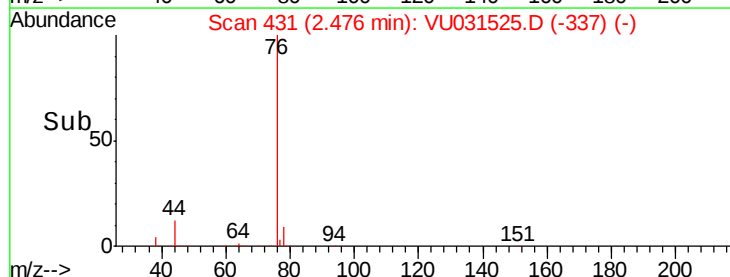
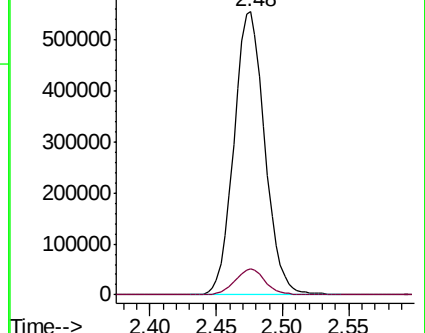
76 100

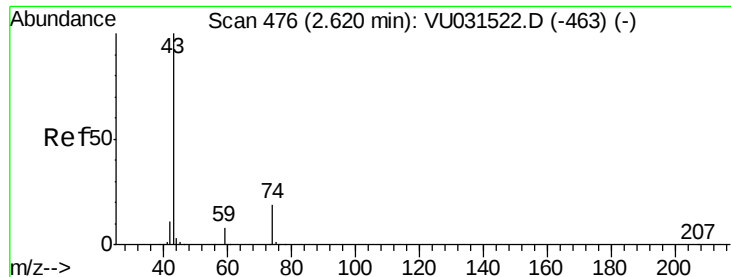
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031522.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031522.D (-416) (-)





#15

Methyl Acetate

Concen: 50.167 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

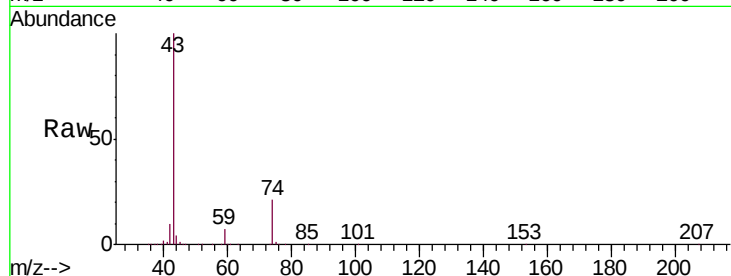
VICV54

Tgt Ion: 43 Resp: 461995

Ion Ratio Lower Upper

43 100

74 20.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU031522.D (-463) (-)

2.62

250000

200000

150000

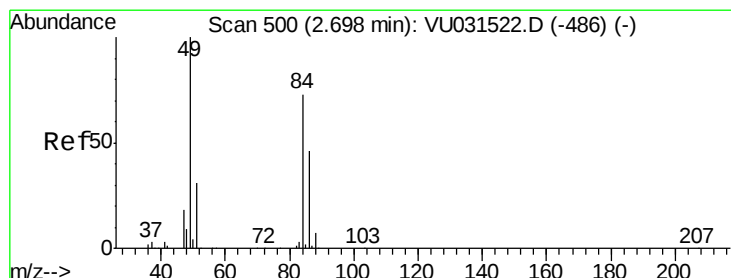
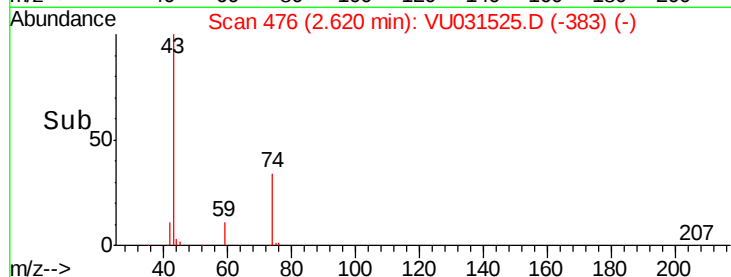
100000

50000

0

2.60 2.70

Time-->



#16

Methylene chloride

Concen: 48.494 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

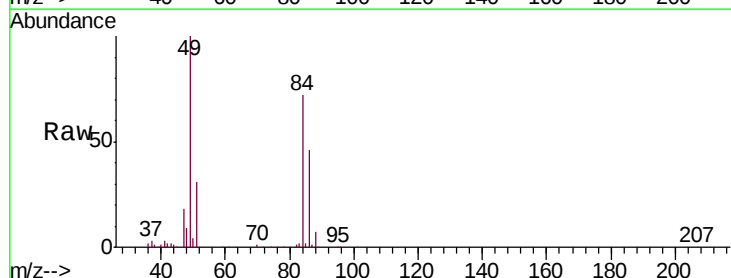
Tgt Ion: 84 Resp: 318153

Ion Ratio Lower Upper

84 100

86 63.8 44.7 83.1

49 139.2 96.5 179.3



Abundance Ion 84.00 (83.70 to 84.70): VU031522.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031522.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031522.D (-486) (-)

300000

250000

200000

150000

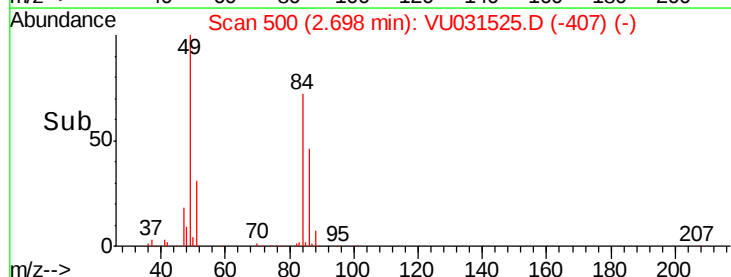
100000

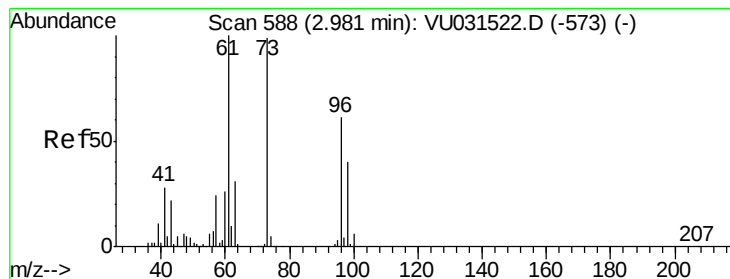
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.355 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VICV54

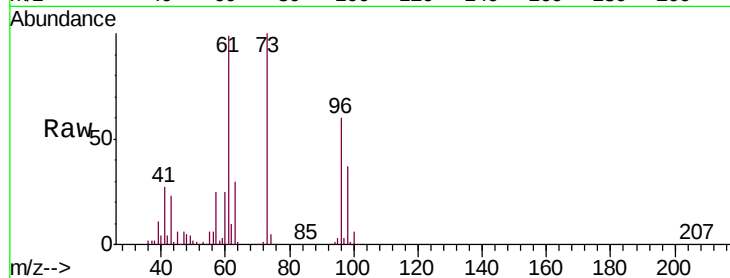
Tgt Ion: 96 Resp: 280105

Ion Ratio Lower Upper

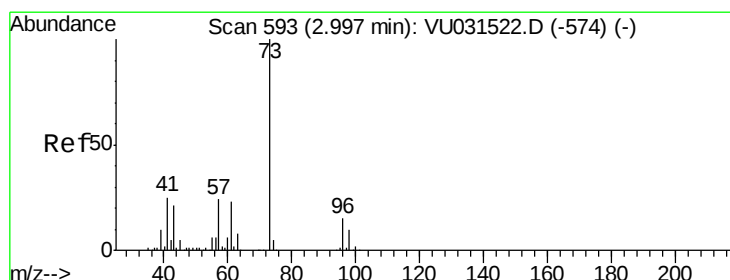
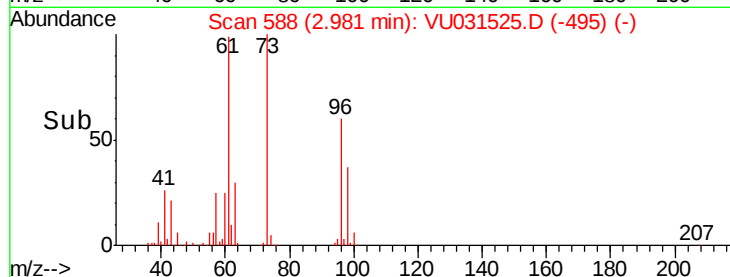
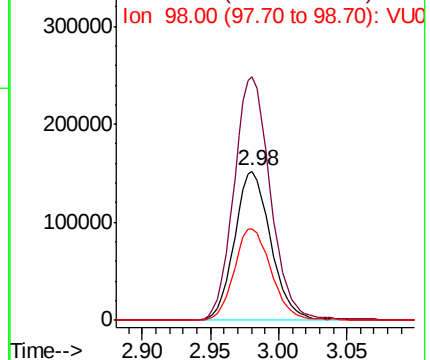
96 100

61 163.3 114.5 212.7

98 61.6 45.4 84.2



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: 51.448 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

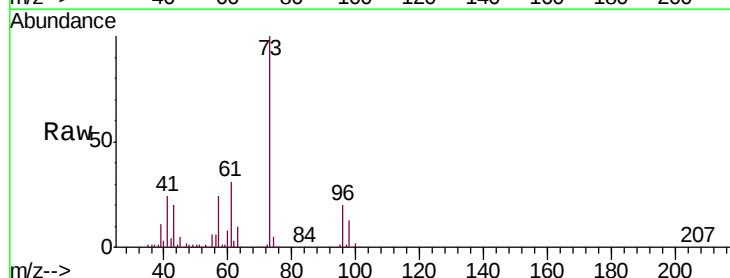
Tgt Ion: 73 Resp: 949490

Ion Ratio Lower Upper

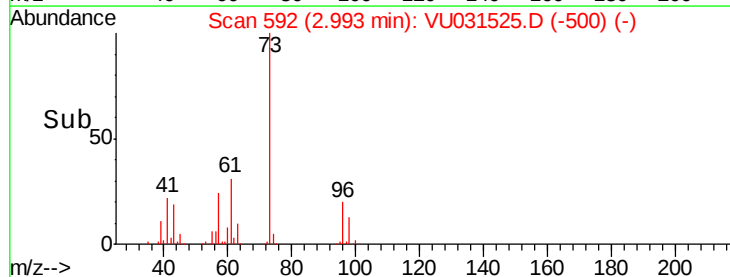
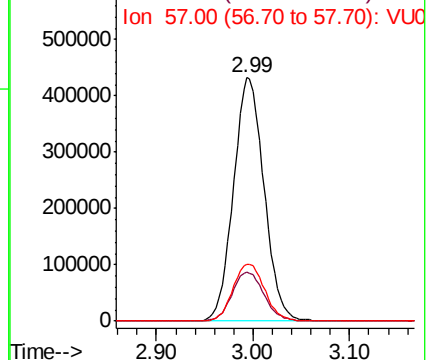
73 100

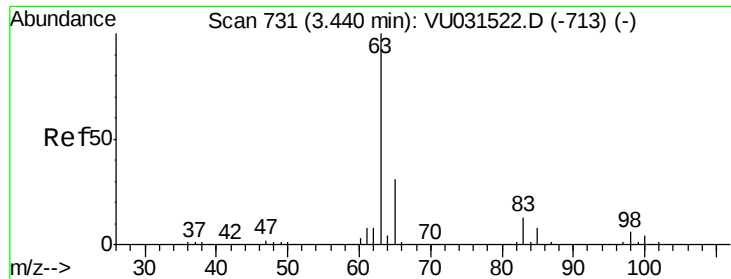
43 20.8 17.0 25.4

57 24.3 19.5 29.3



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

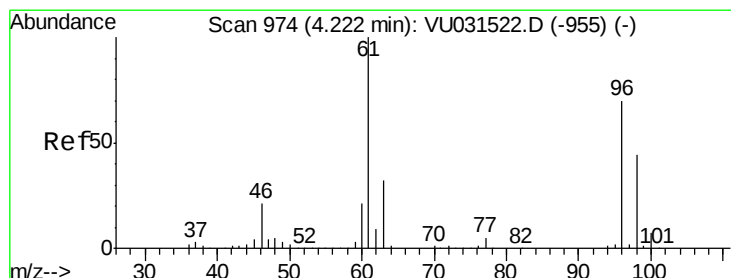
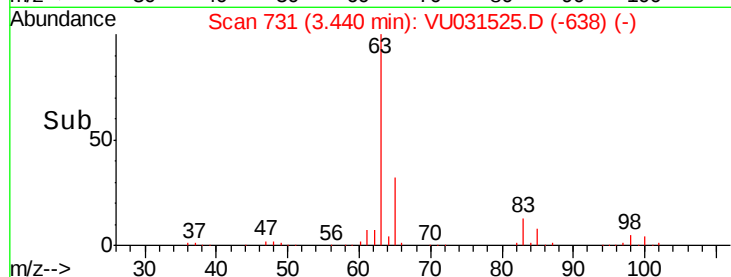
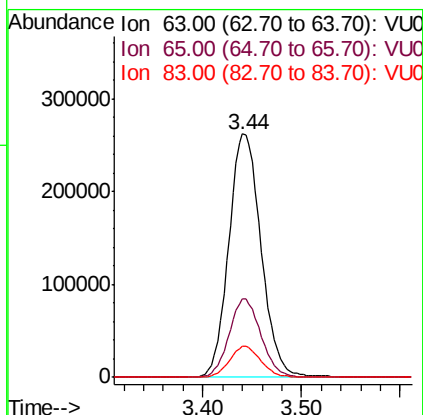
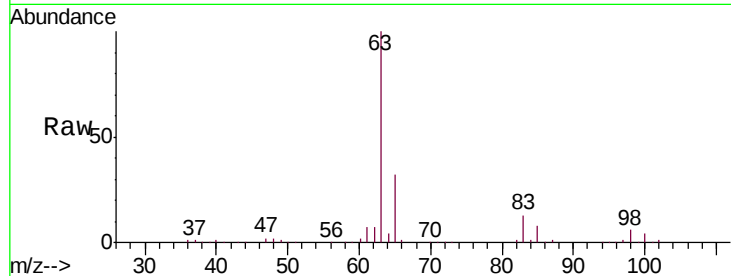




#19
 1,1-Dichloroethane
 Concen: 48.953 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

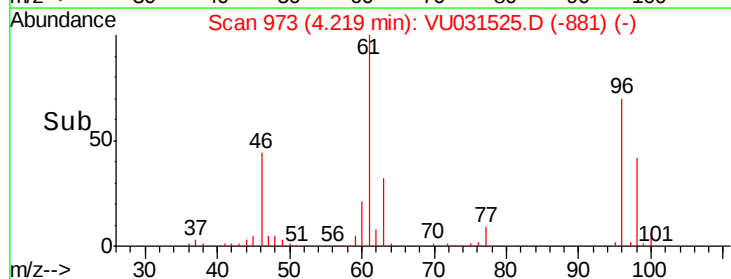
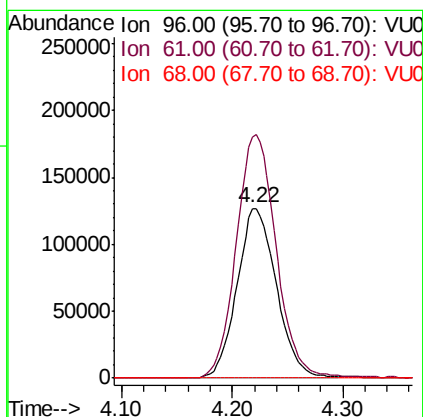
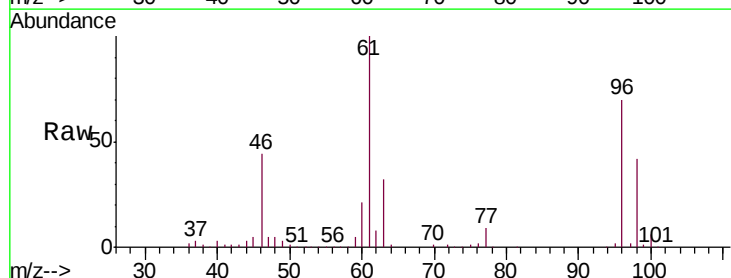
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

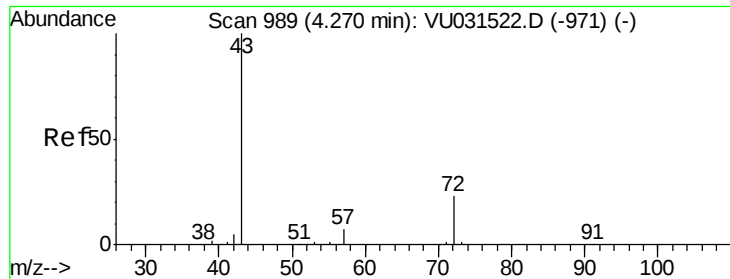
Tgt Ion: 63 Resp: 597196
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 40.8
 83 12.7 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.416 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion: 96 Resp: 313271
 Ion Ratio Lower Upper
 96 100
 61 142.4 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.600 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

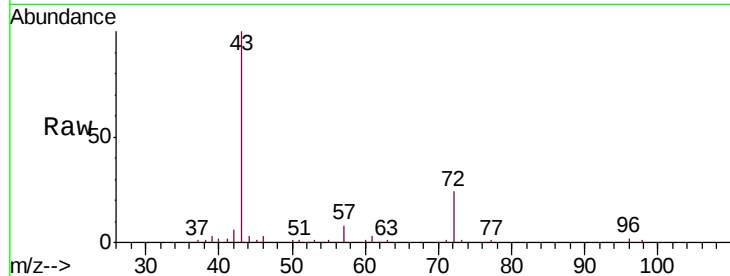
VICV54

Tgt Ion: 43 Resp: 732275

Ion Ratio Lower Upper

43 100

72 23.6 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031525.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VU031525.D (-896) (-)

4.27

250000

200000

150000

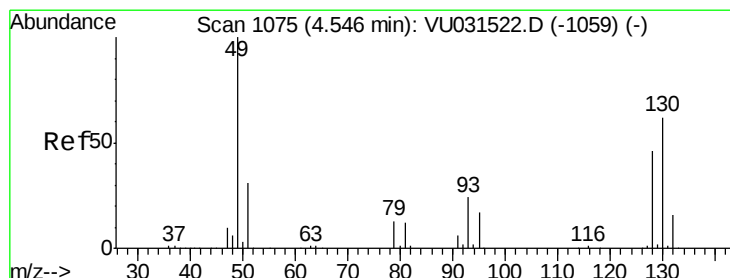
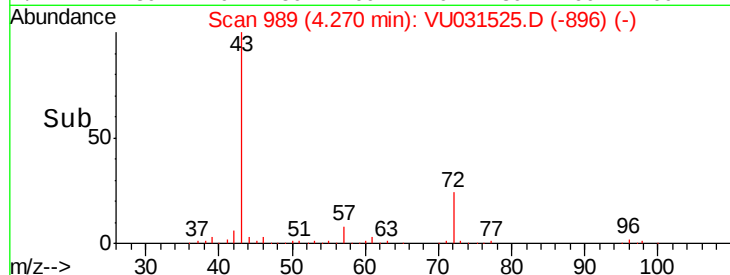
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.709 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Tgt Ion: 128 Resp: 150090

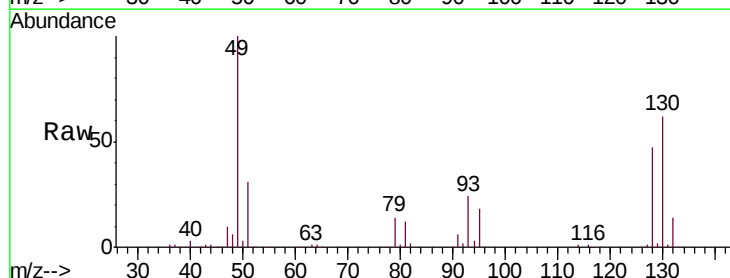
Ion Ratio Lower Upper

128 100

49 211.8 152.6 283.4

130 131.8 93.7 173.9

51 66.1 54.2 81.4



Abundance Ion 128.00 (127.70 to 128.70): VU031525.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU031525.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU031525.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU031525.D (-982) (-)

200000

150000

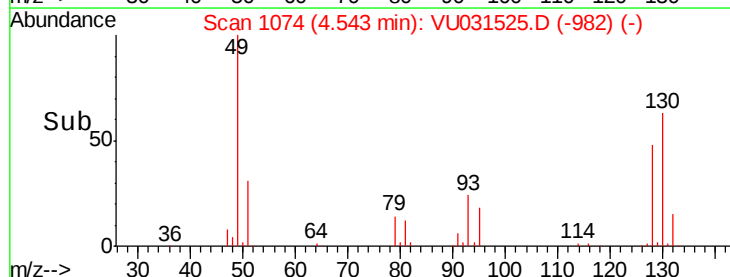
100000

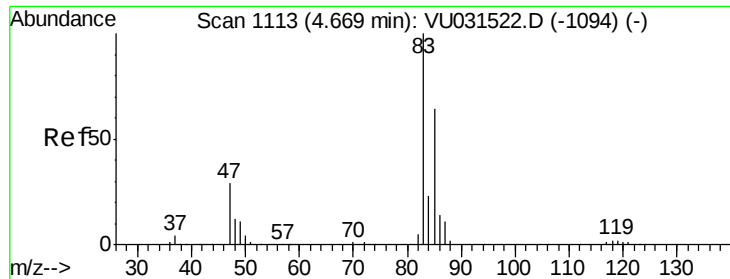
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->

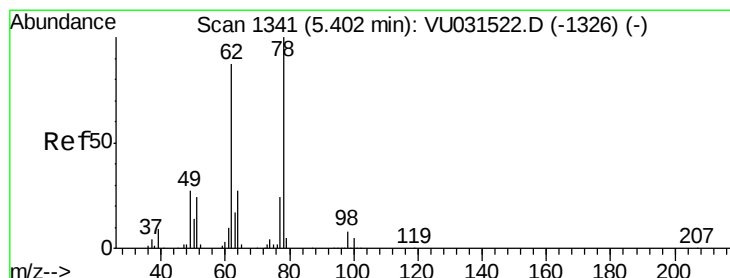
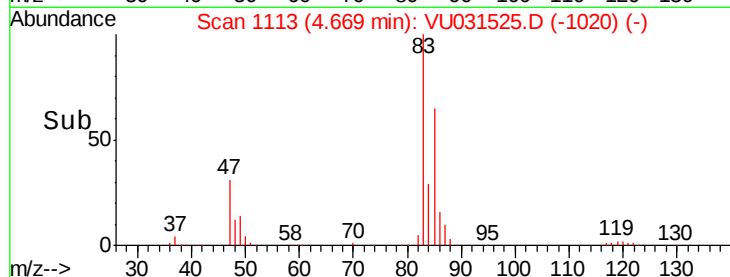
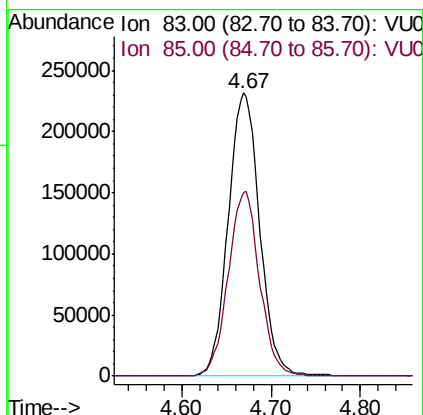
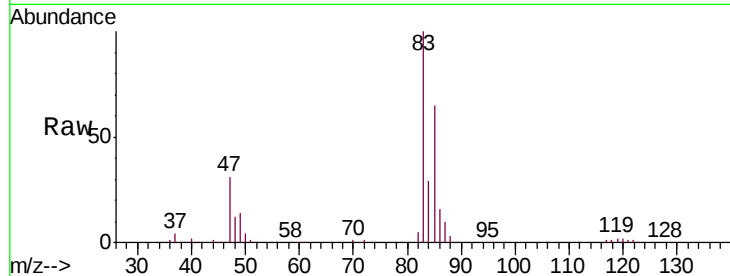




#25
Chloroform
Concen: 48.483 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

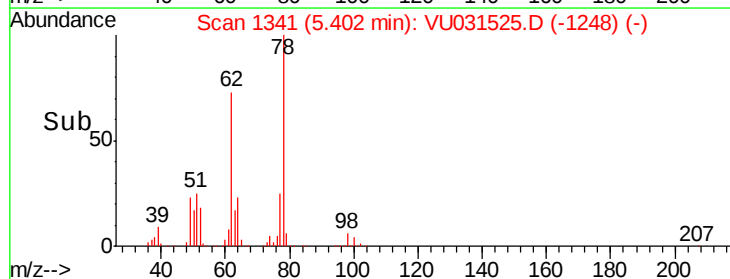
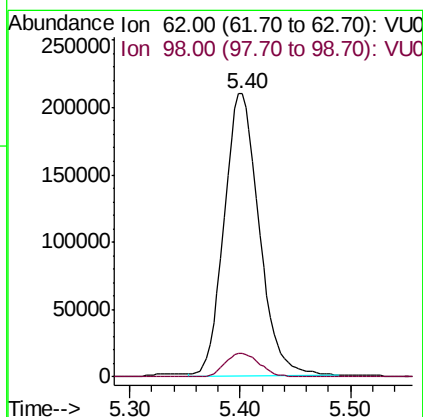
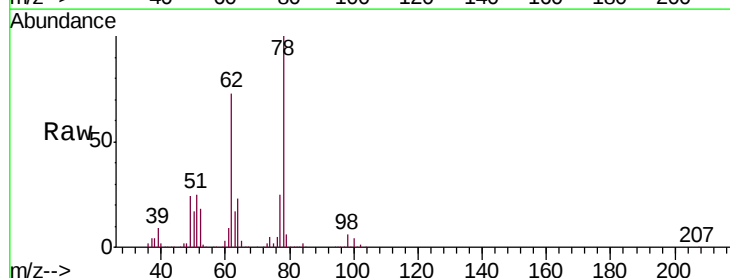
Instrument :
MSVOA_U
ClientSampleId :
VICV54

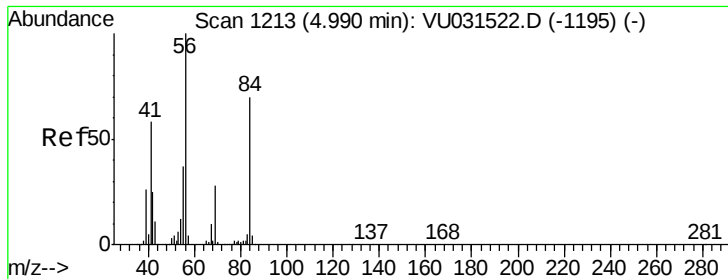
Tgt Ion: 83 Resp: 565594
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 48.629 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

Tgt Ion: 62 Resp: 460790
Ion Ratio Lower Upper
62 100
98 8.2 7.1 10.7

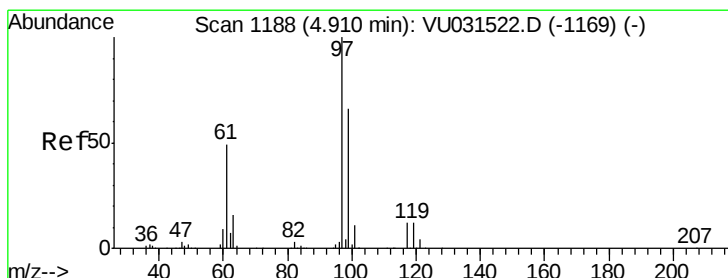
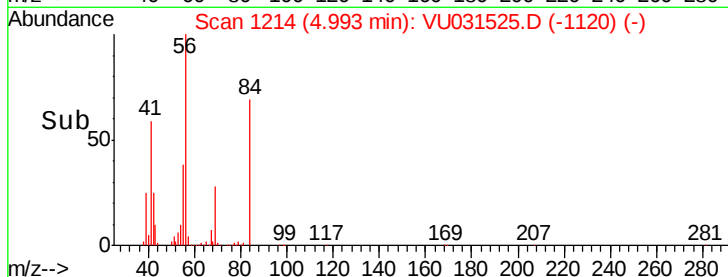
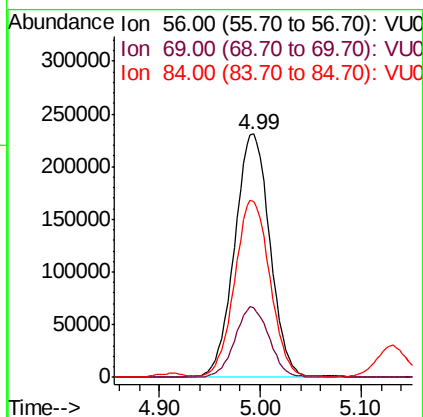
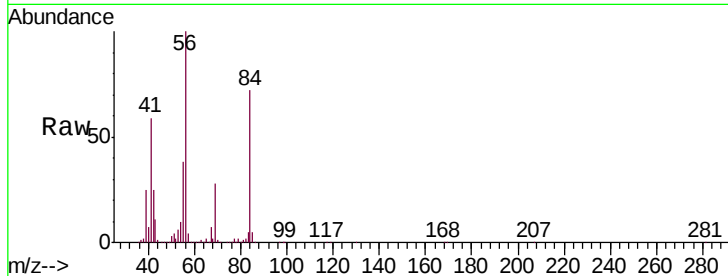




#29
Cyclohexane
Concen: 50.814 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

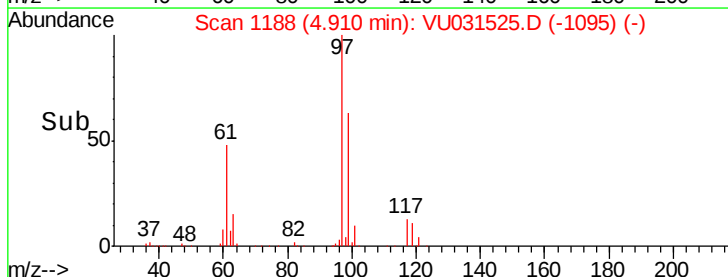
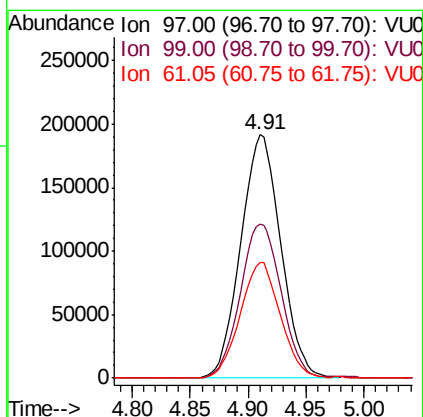
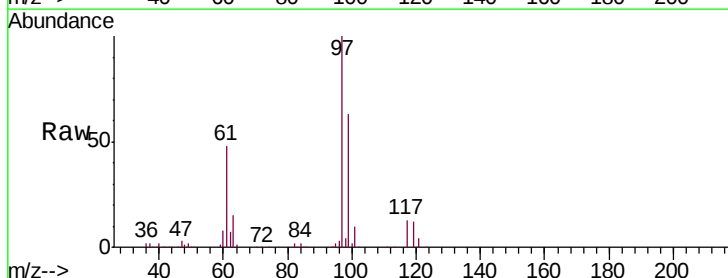
Instrument :
MSVOA_U
ClientSampleId :
VICV54

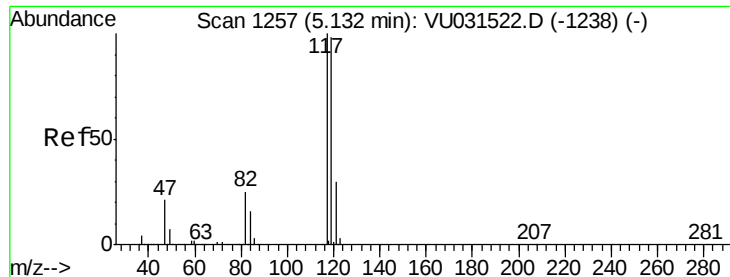
Tgt Ion: 56 Resp: 562649
Ion Ratio Lower Upper
56 100
69 27.8 22.3 33.5
84 72.1 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 47.056 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

Tgt Ion: 97 Resp: 461267
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 47.6 38.7 58.1





#31

Carbon tetrachloride

Concen: 48.482 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

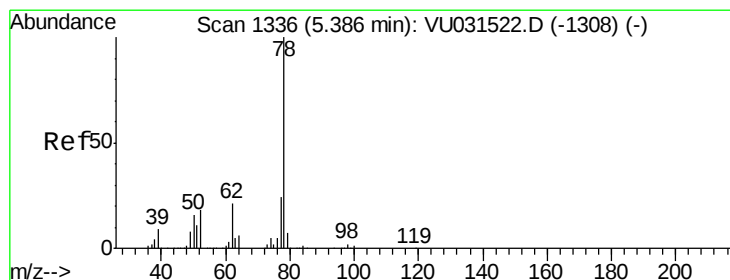
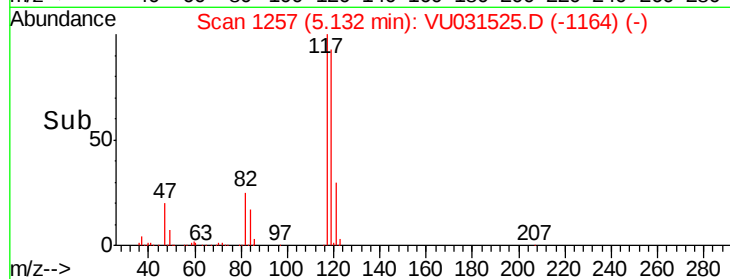
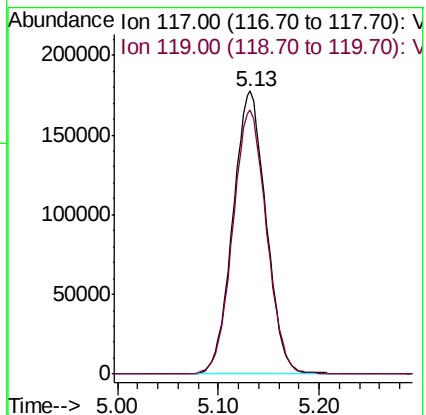
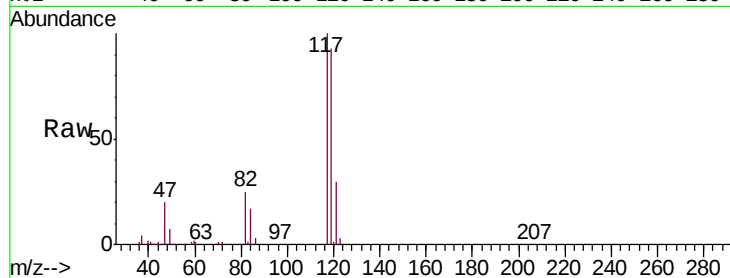
VICV54

Tgt Ion:117 Resp: 406201

Ion Ratio Lower Upper

117 100

119 94.7 76.6 114.8



#33

Benzene

Concen: 48.633 ug/L

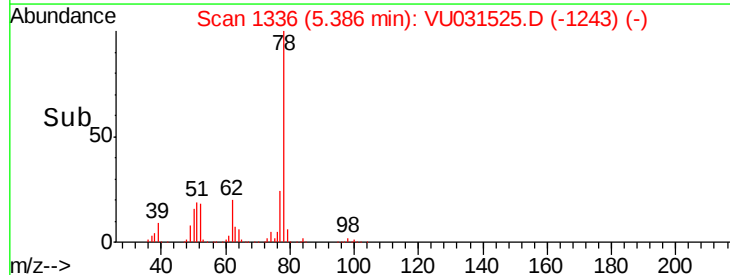
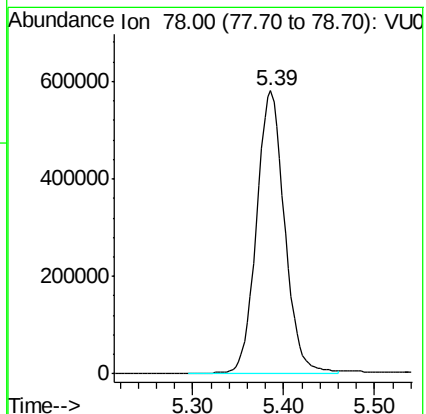
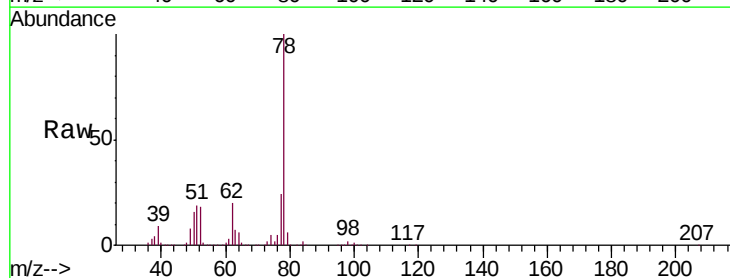
RT: 5.39 min Scan# 1336

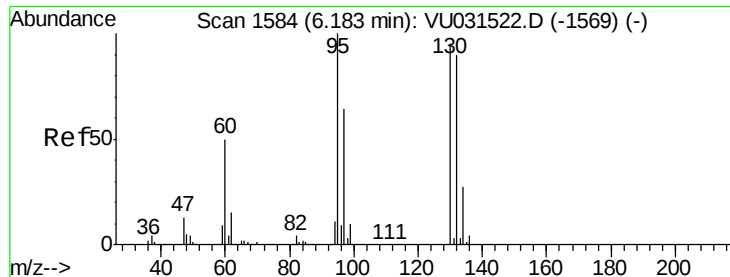
Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Tgt Ion: 78 Resp: 1250949





#34

Trichloroethene

Concen: 49.191 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VICV54

Tgt Ion: 95 Resp: 306717

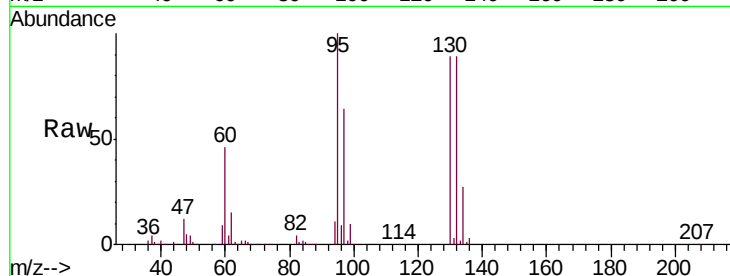
Ion Ratio Lower Upper

95 100

97 63.5 44.8 83.2

132 88.7 63.1 117.1

130 89.5 66.5 123.5

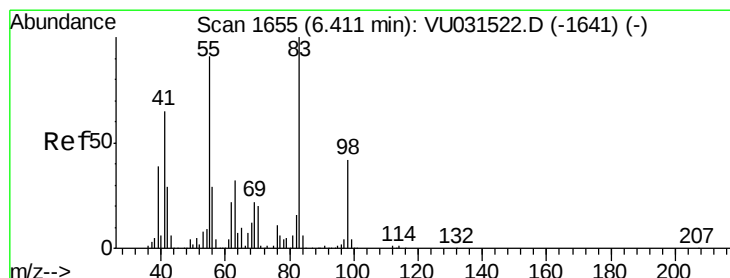
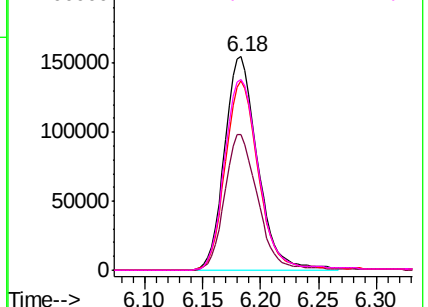
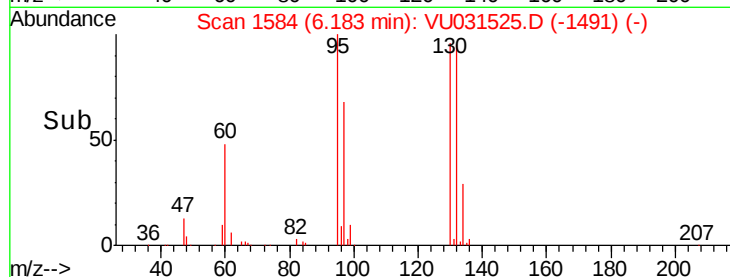


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.994 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

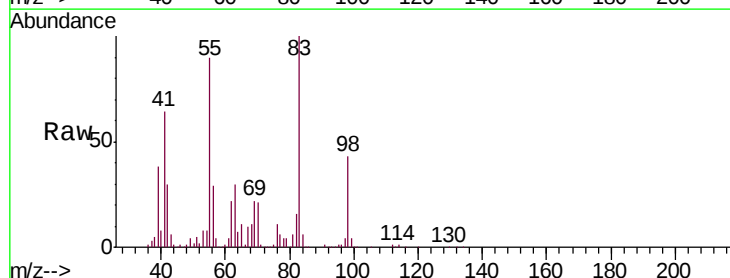
Tgt Ion: 83 Resp: 476511

Ion Ratio Lower Upper

83 100

55 91.1 73.0 109.4

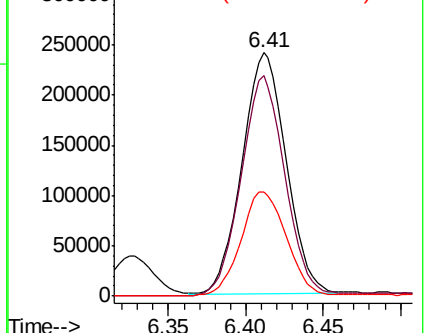
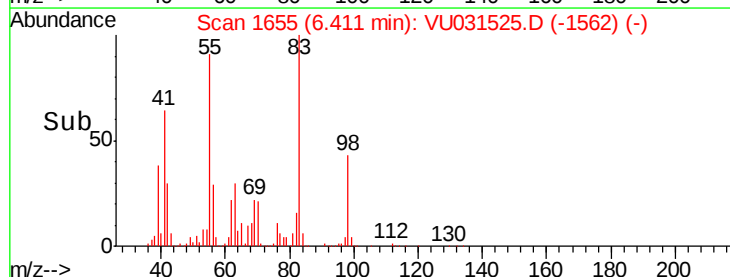
98 44.8 35.3 52.9

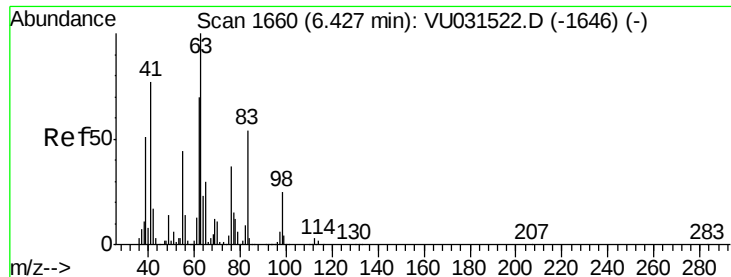


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

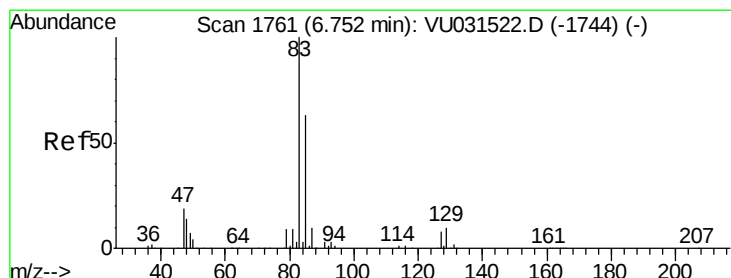
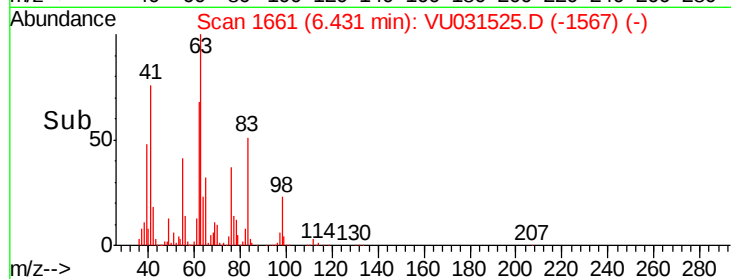
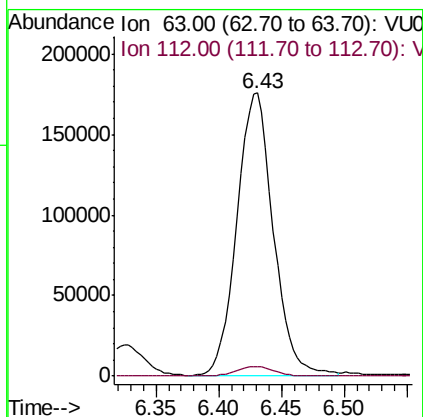
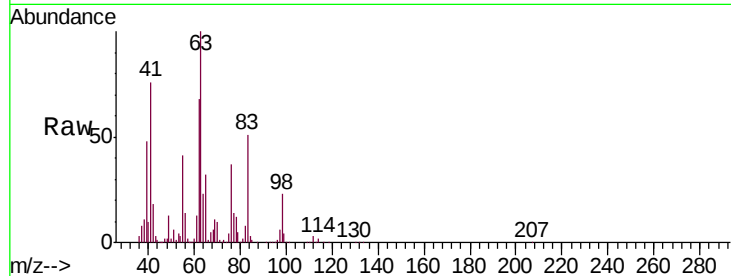




#37
 1,2-Dichloropropane
 Concen: 48.403 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

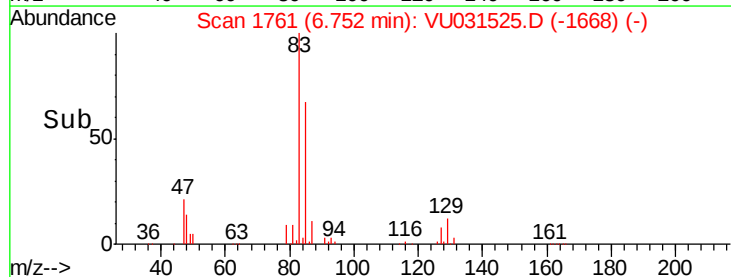
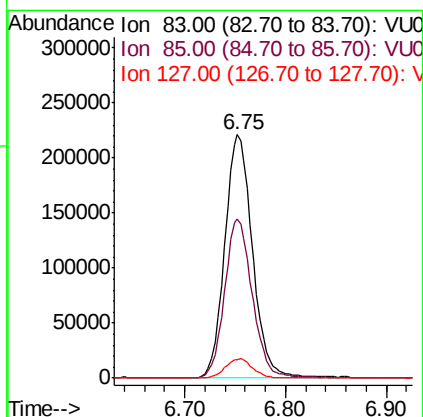
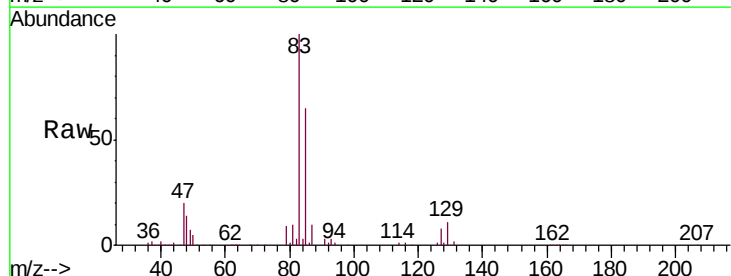
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

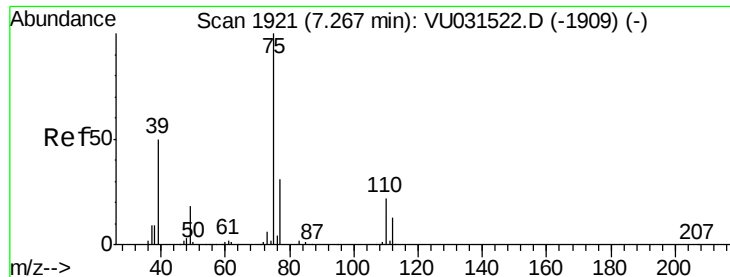
Tgt Ion: 63 Resp: 353456
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 47.747 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion: 83 Resp: 422758
 Ion Ratio Lower Upper
 83 100
 85 65.5 43.7 81.1
 127 7.8 6.7 10.1

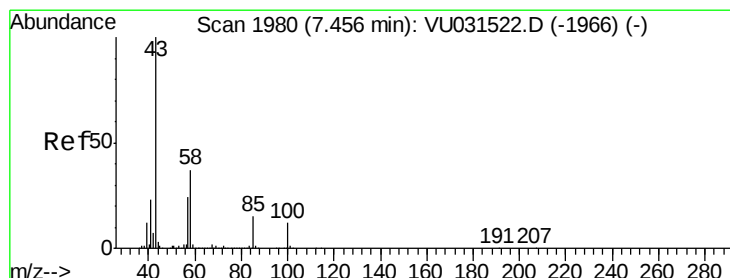
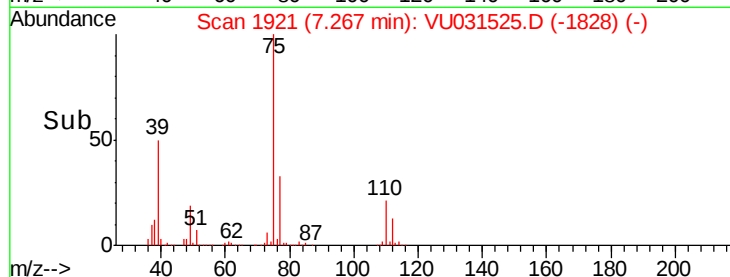
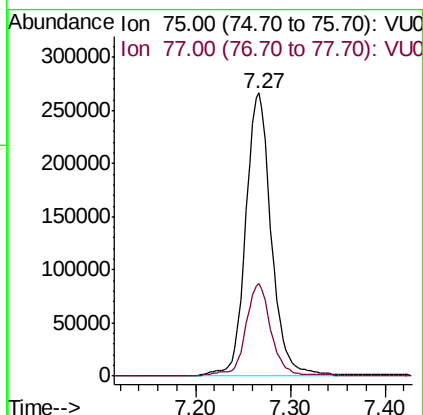
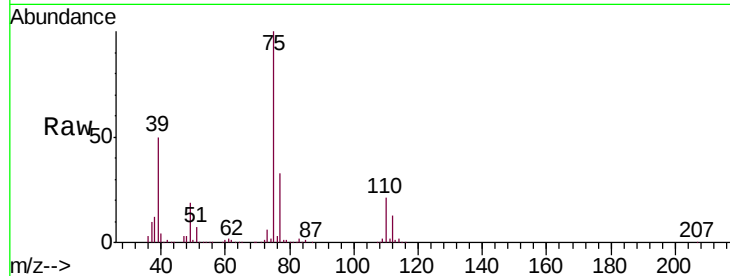




#39
 cis-1,3-Dichloropropene
 Concen: 52.154 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

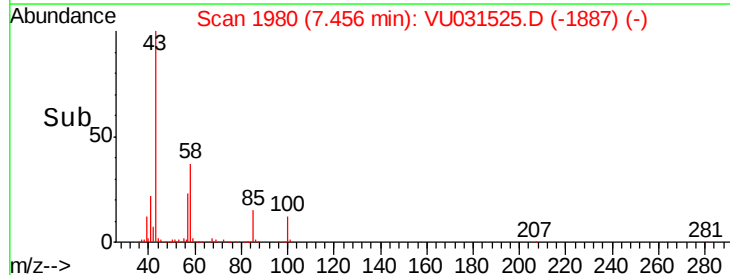
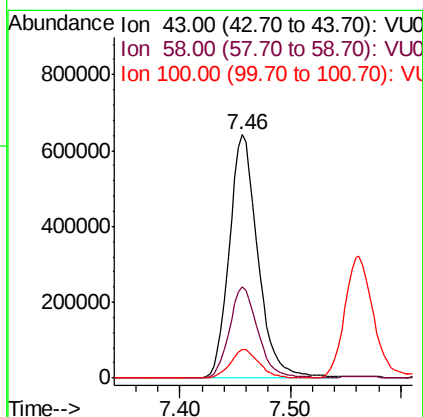
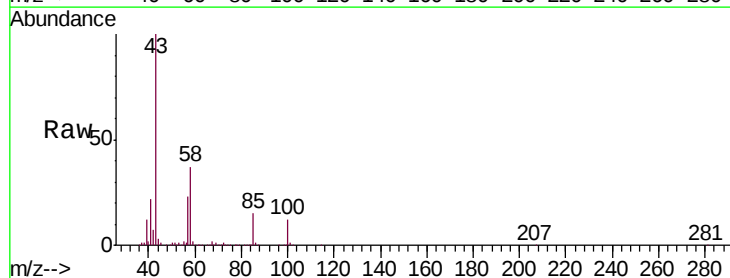
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

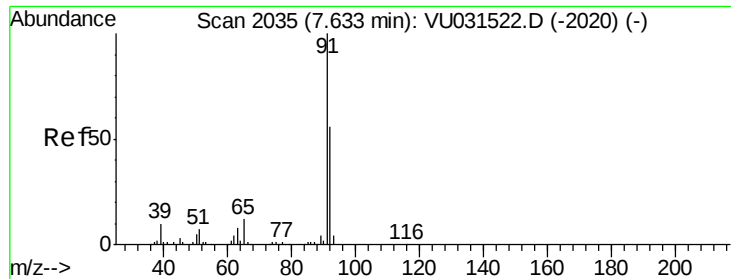
Tgt Ion: 75 Resp: 503238
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 102.774 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion: 43 Resp: 1154661
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.1 45.1
 100 11.8 9.6 14.4





#42

Toluene

Concen: 49.113 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

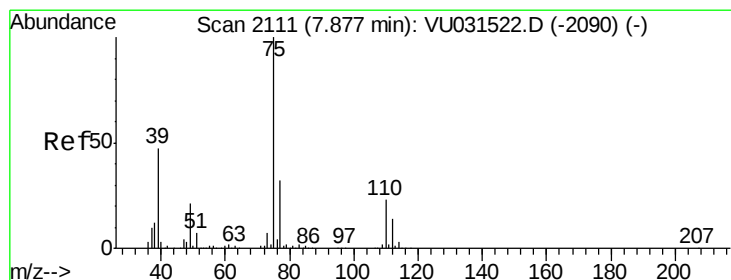
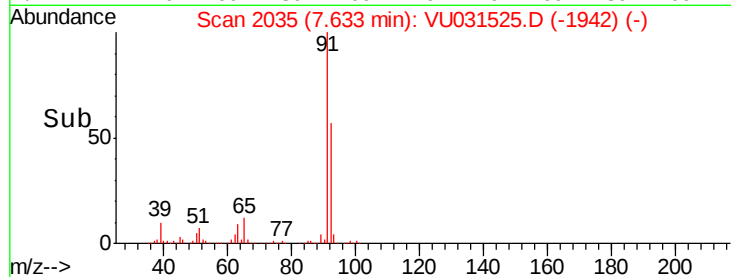
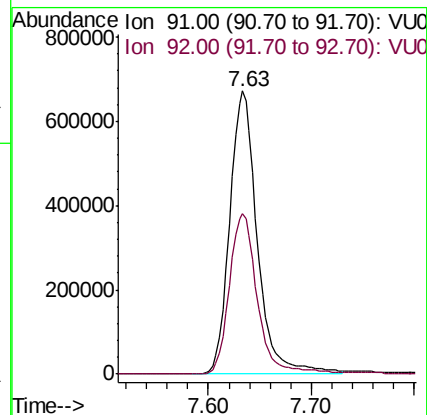
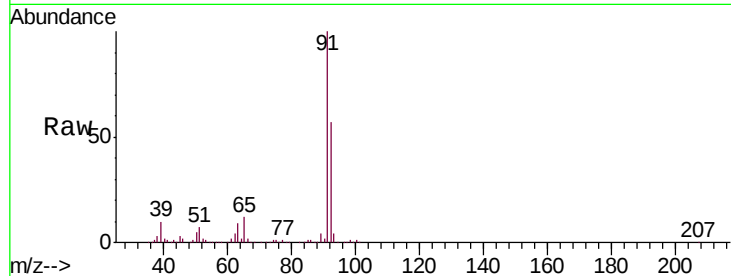
VICV54

Tgt Ion: 91 Resp: 1258414

Ion Ratio Lower Upper

91 100

92 56.8 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 50.105 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031525.D

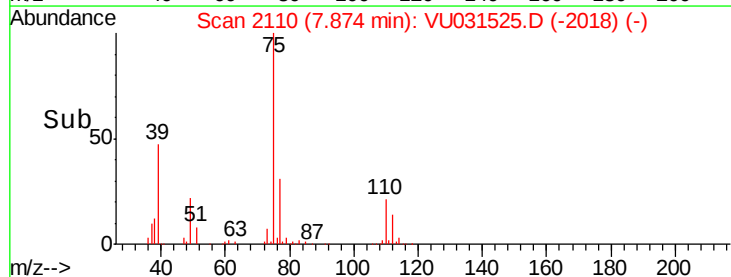
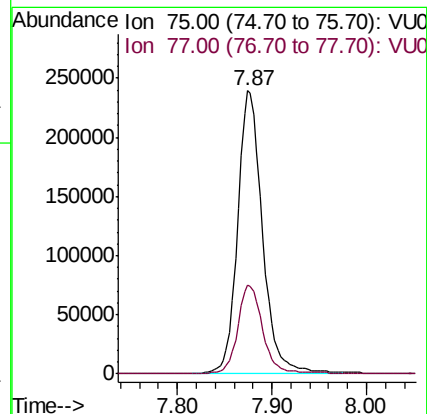
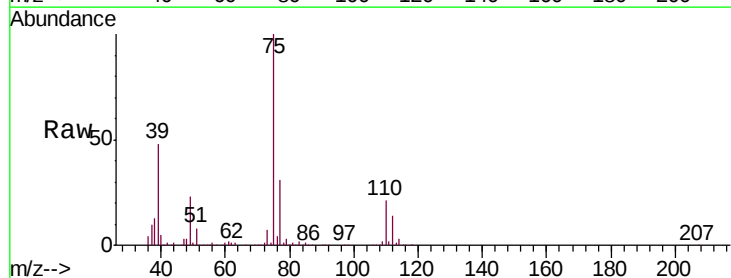
Acq: 26 Apr 2019 12:12

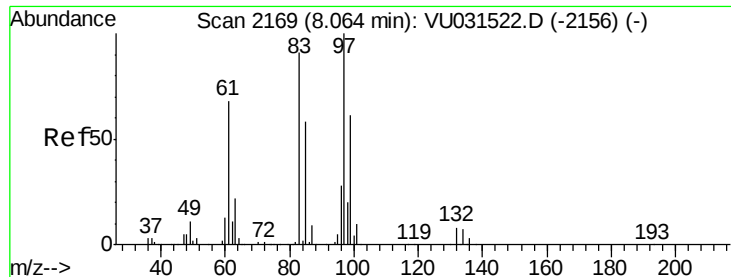
Tgt Ion: 75 Resp: 438508

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1

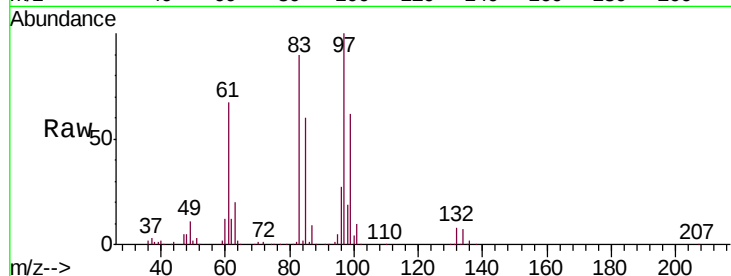




#45
 1,1,2-Trichloroethane
 Concen: 49.451 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

Tgt Ion:	97	Resp:	297700
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.0	80.0
83	90.5	63.6	118.2
85	59.8	40.5	75.3



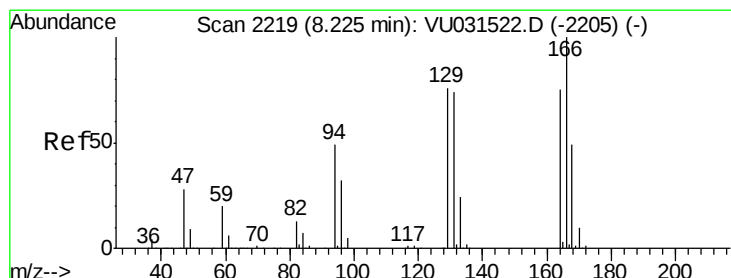
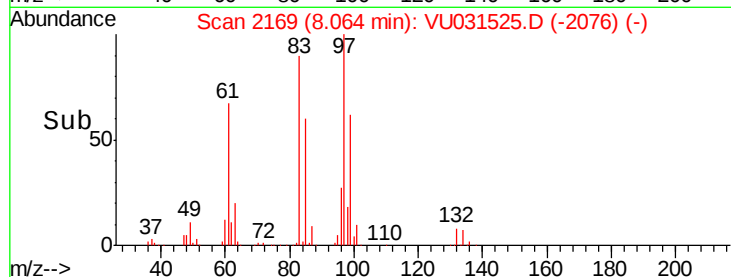
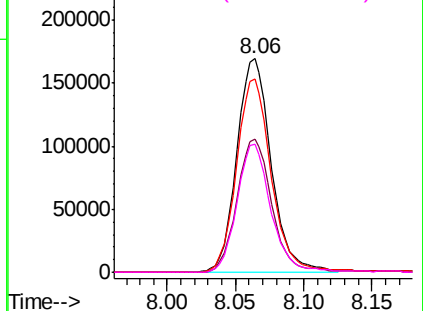
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

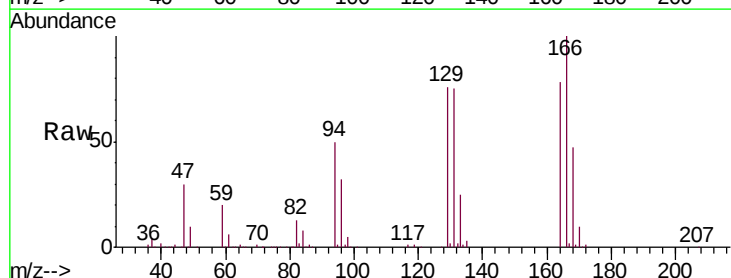
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.106 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion:	164	Resp:	208738
Ion	Ratio	Lower	Upper
164	100		
129	97.6	71.5	132.9
131	96.1	69.0	128.2
166	129.0	93.7	173.9



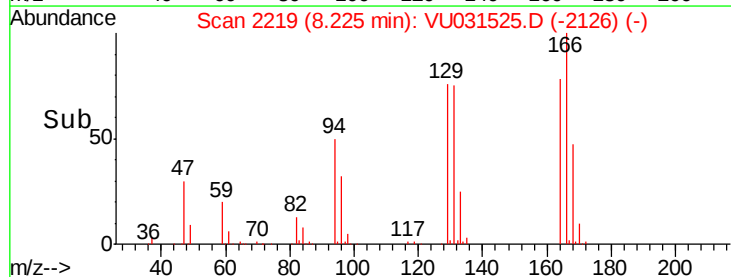
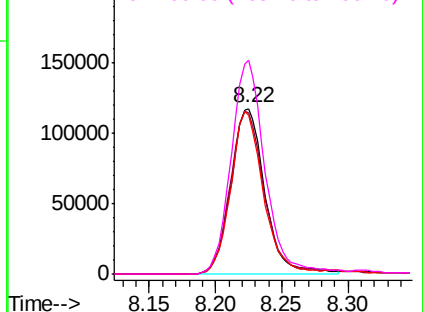
Abundance

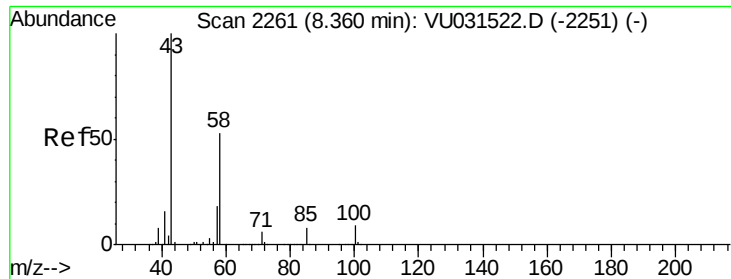
Ion 164.00 (163.70 to 164.70): V

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

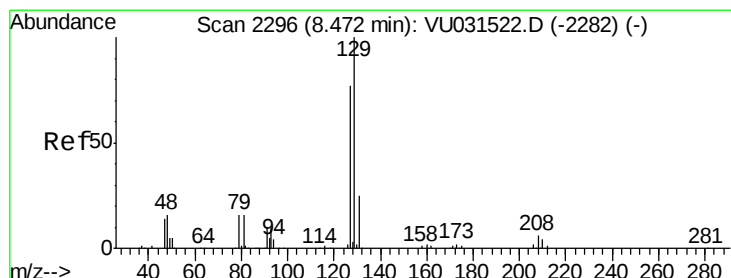
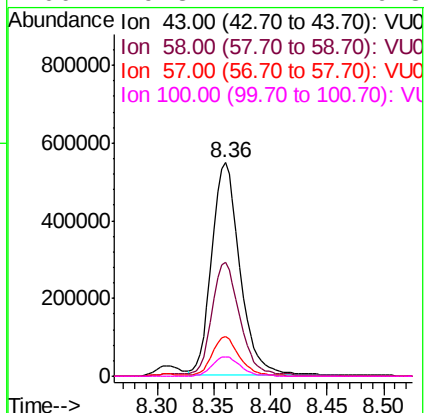
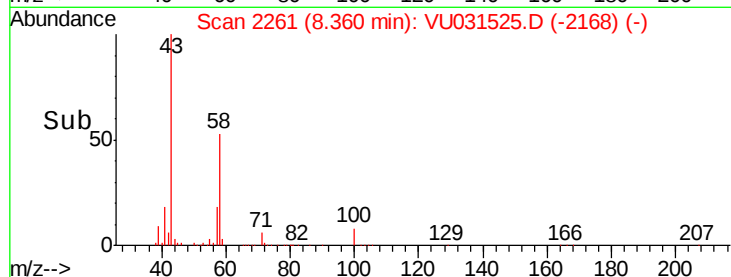
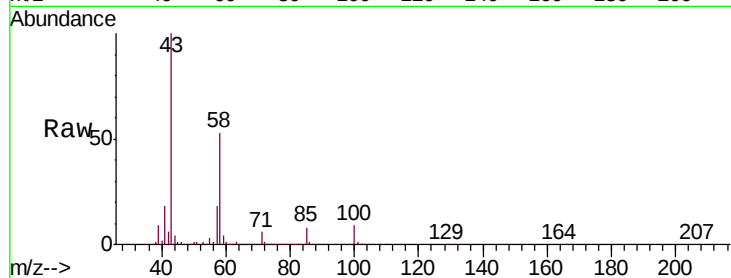




#48
2-Hexanone
Concen: 104.544 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

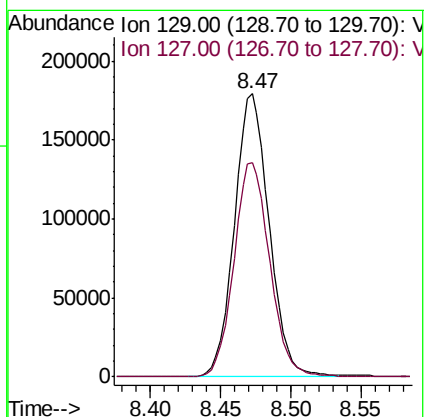
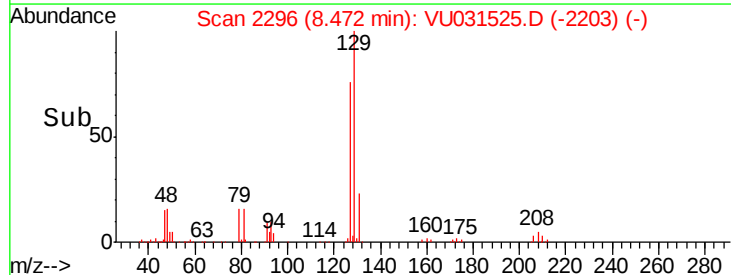
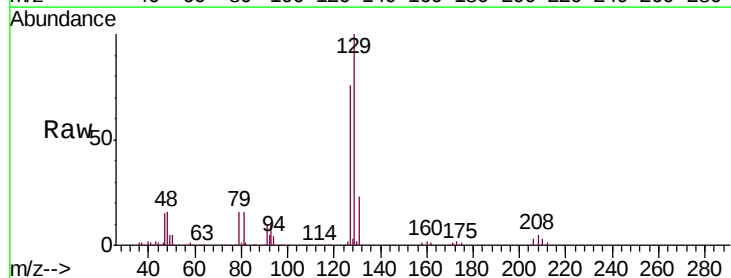
Instrument :
MSVOA_U
ClientSampleId :
VICV54

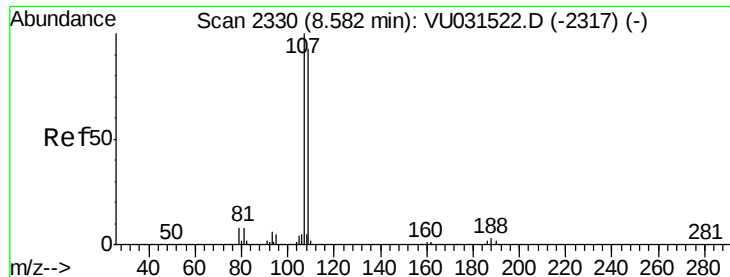
Tgt Ion: 43 Resp: 949964
Ion Ratio Lower Upper
43 100
58 52.9 42.1 63.1
57 17.8 14.6 22.0
100 9.3 7.2 10.8



#49
Dibromochloromethane
Concen: 49.414 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031525.D
Acq: 26 Apr 2019 12:12

Tgt Ion: 129 Resp: 309516
Ion Ratio Lower Upper
129 100
127 75.8 54.0 100.2

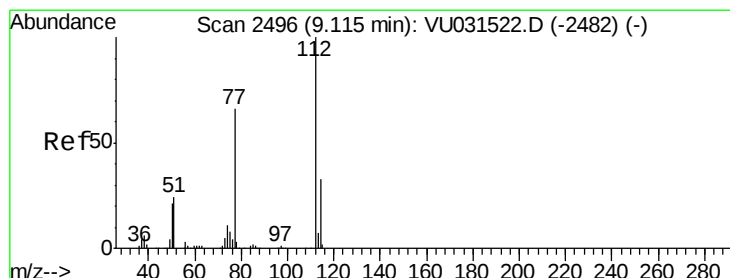
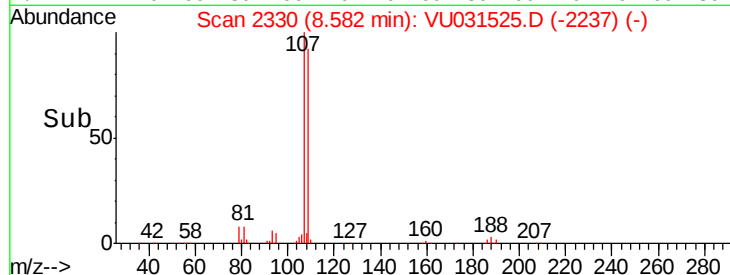
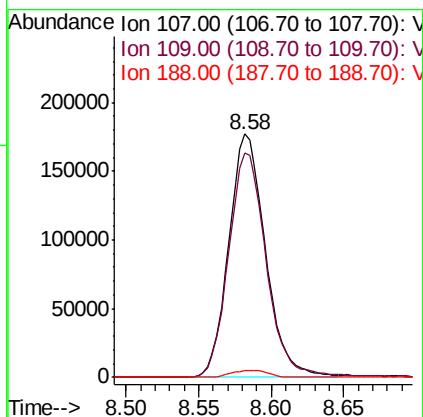
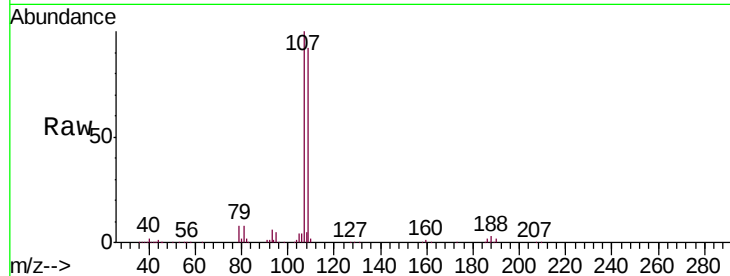




#50
 1,2-Dibromoethane
 Concen: 48.896 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

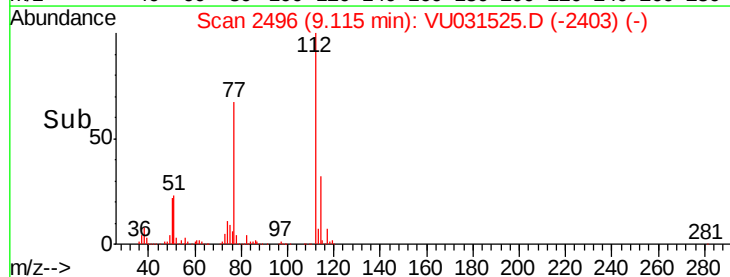
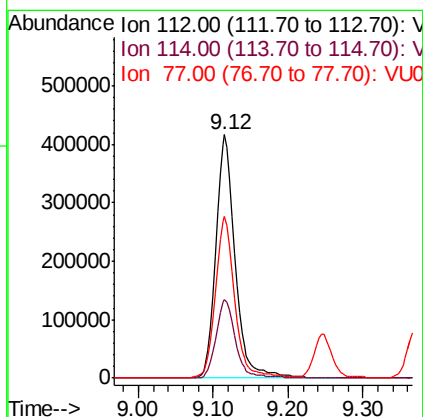
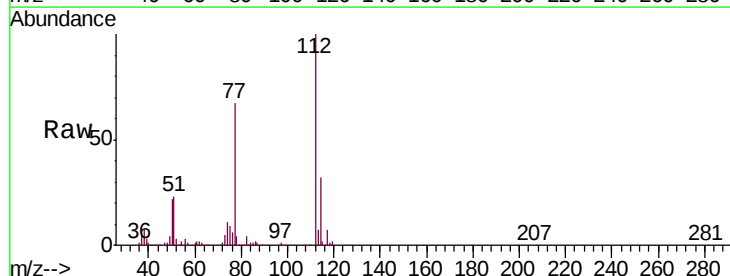
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

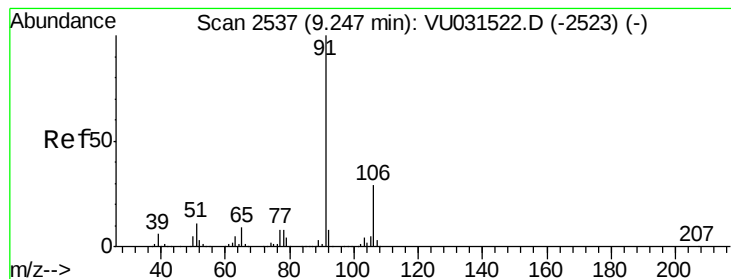
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	64.9	120.5
188	2.8	2.4	3.6



#51
 Chlorobenzene
 Concen: 49.430 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	23.3	43.3
77	66.6	53.0	79.4





#52

Ethylbenzene

Concen: 50.725 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

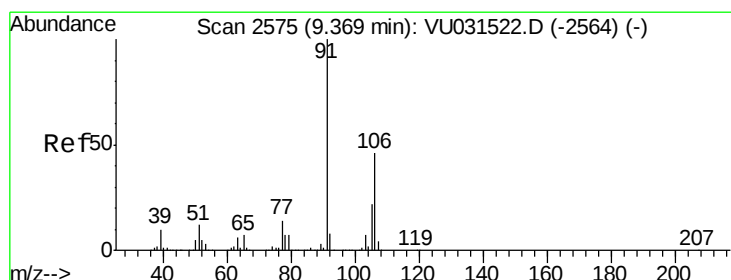
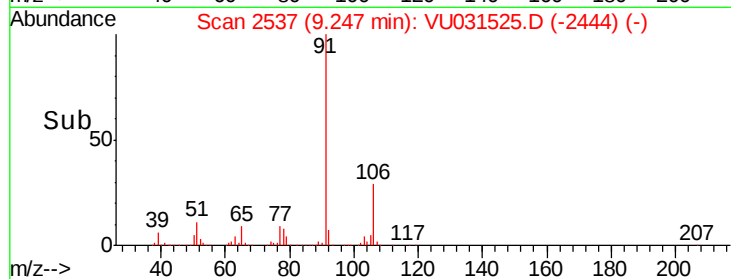
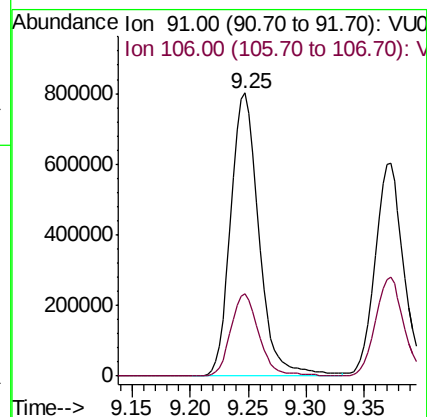
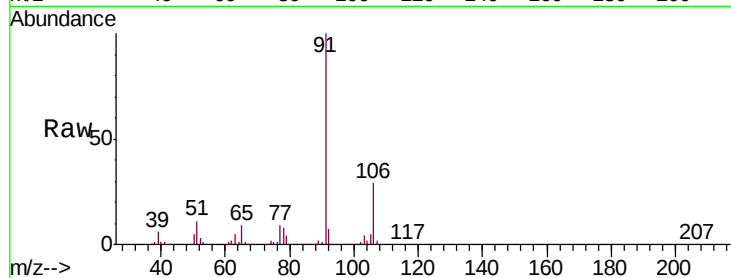
VICV54

Tgt Ion: 91 Resp: 1348219

Ion Ratio Lower Upper

91 100

106 29.1 20.4 37.8



#53

m,p-Xylene

Concen: 51.562 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031525.D

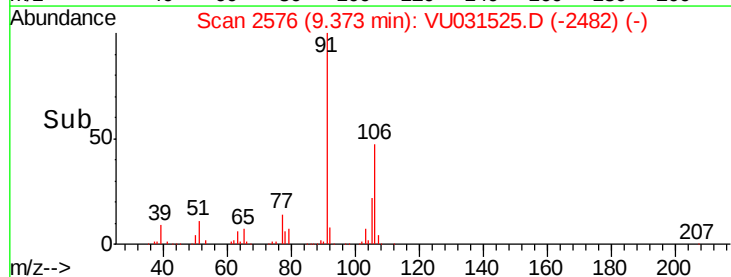
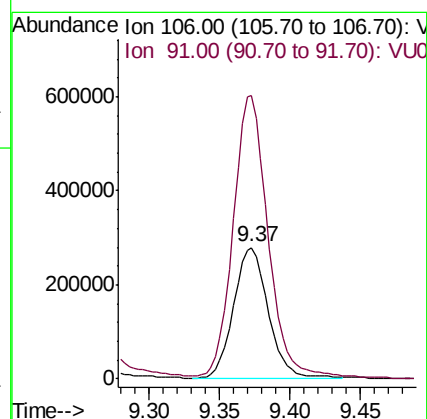
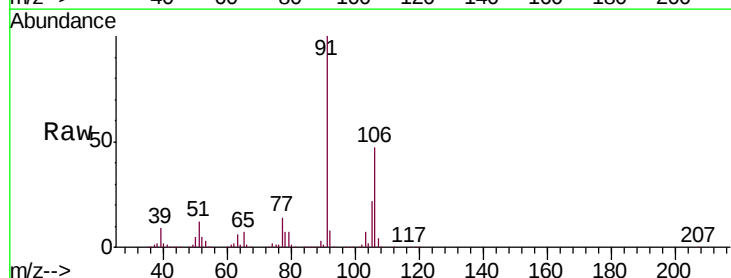
Acq: 26 Apr 2019 12:12

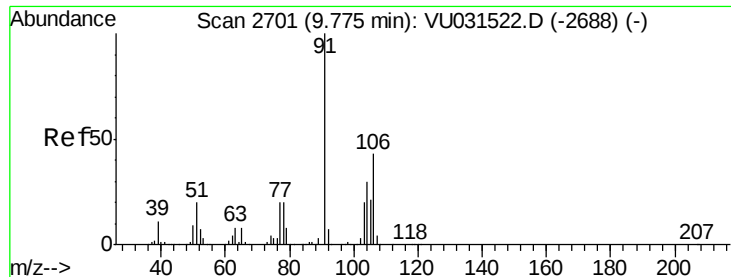
Tgt Ion: 106 Resp: 477488

Ion Ratio Lower Upper

106 100

91 215.0 152.2 282.6





#54

o-xylene

Concen: 51.662 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

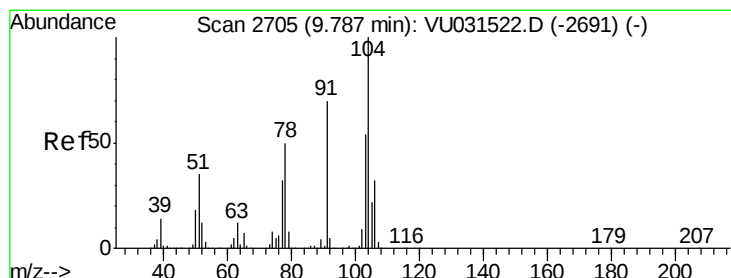
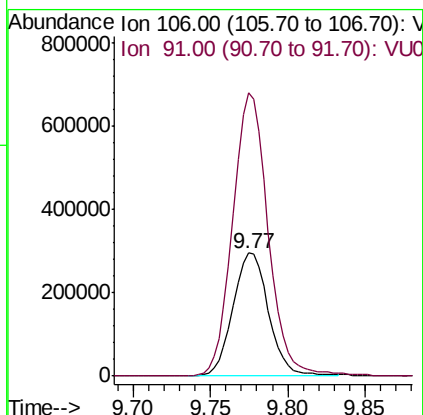
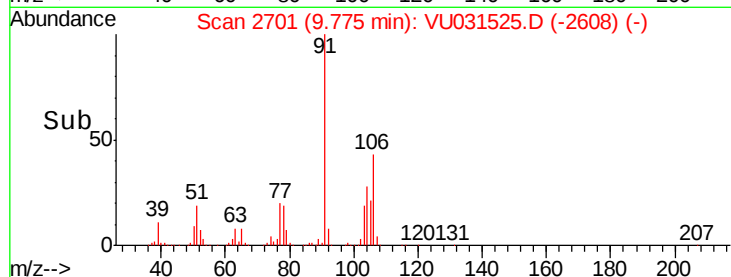
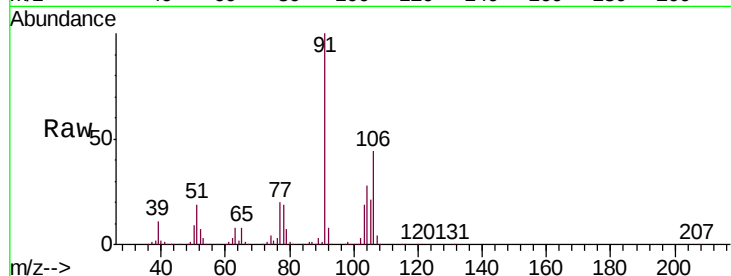
VICV54

Tgt Ion:106 Resp: 474301

Ion Ratio Lower Upper

106 100

91 229.8 163.2 303.2



#55

Styrene

Concen: 52.852 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031525.D

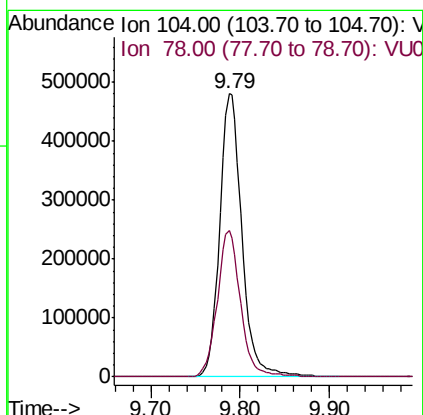
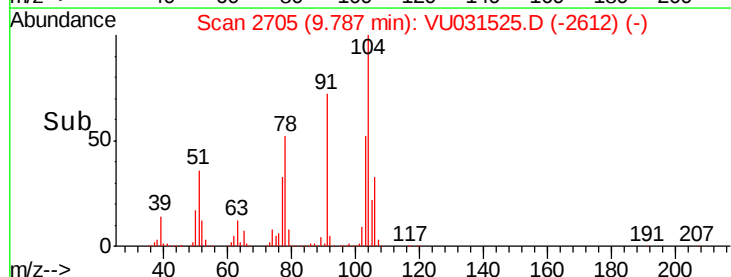
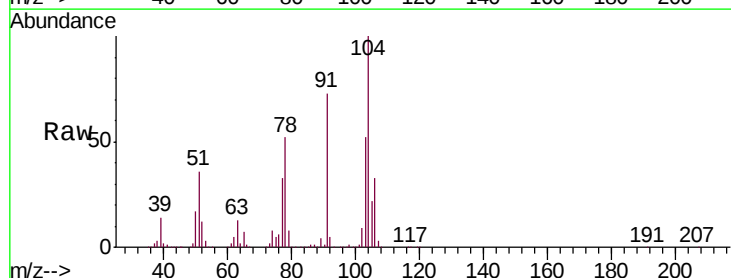
Acq: 26 Apr 2019 12:12

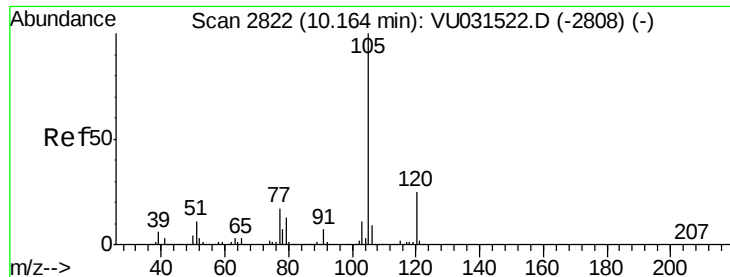
Tgt Ion:104 Resp: 828986

Ion Ratio Lower Upper

104 100

78 51.7 35.4 65.7





#56

Isopropylbenzene

Concen: 52.093 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

VICV54

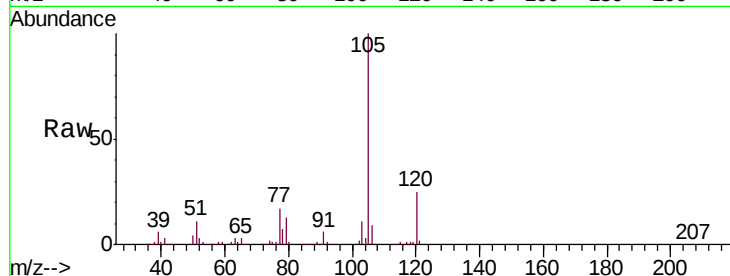
Tgt Ion:105 Resp: 1257607

Ion Ratio Lower Upper

105 100

120 24.7 20.1 30.1

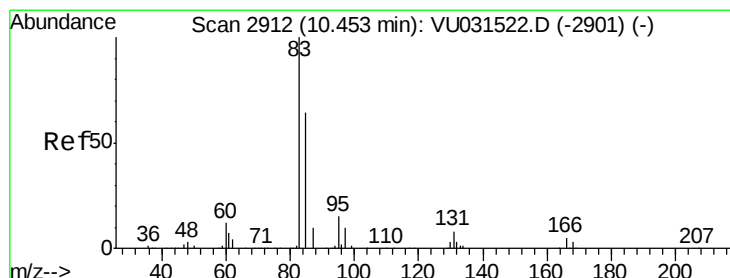
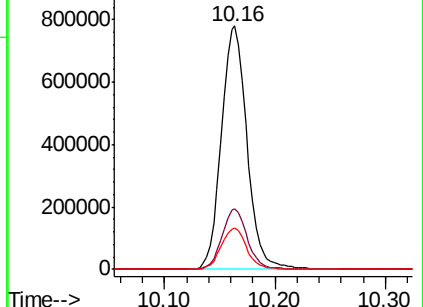
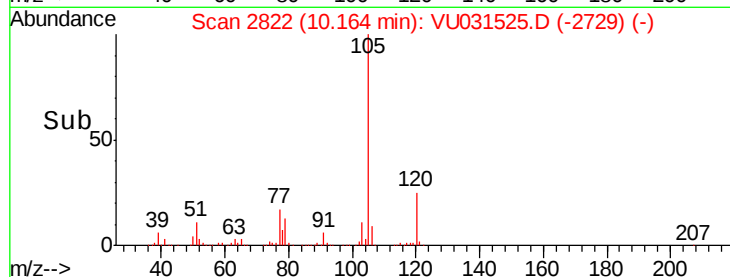
77 17.0 13.8 20.6



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: 48.735 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

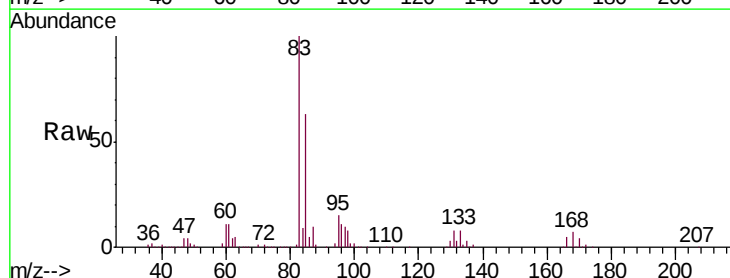
Tgt Ion: 83 Resp: 520610

Ion Ratio Lower Upper

83 100

85 63.0 46.0 85.4

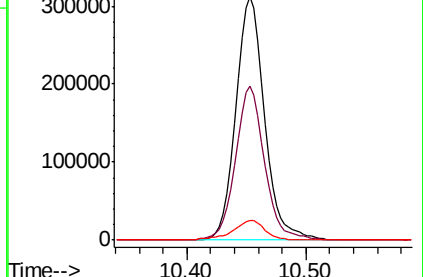
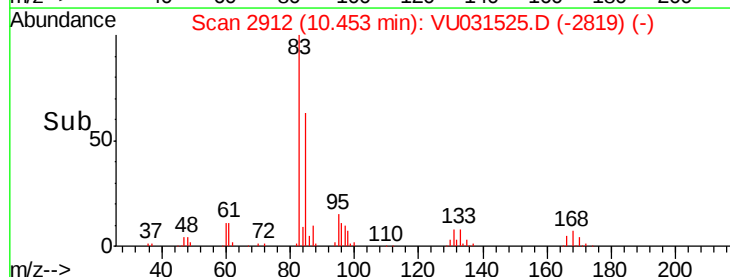
131 8.1 7.3 10.9

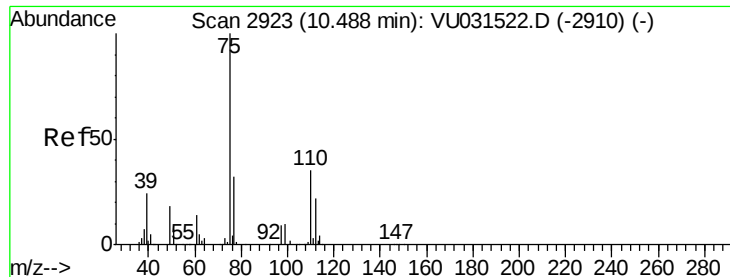


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.836 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

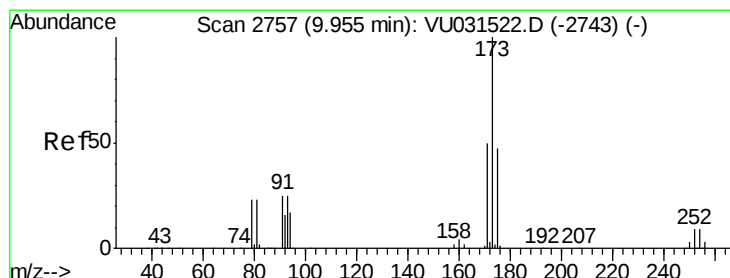
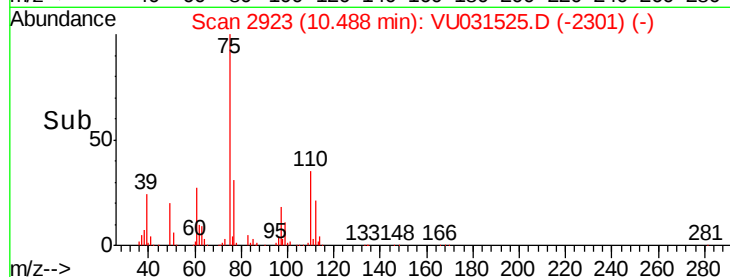
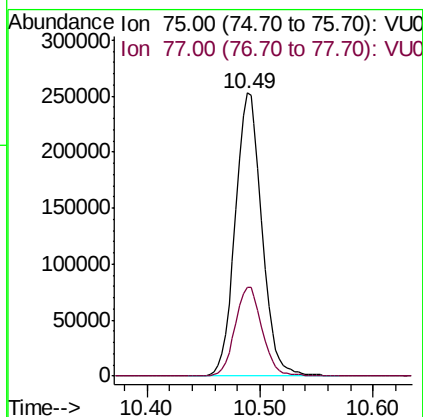
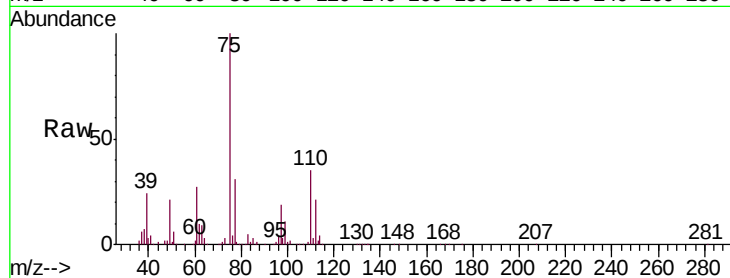
VICV54

Tgt Ion: 75 Resp: 414156

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 47.274 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

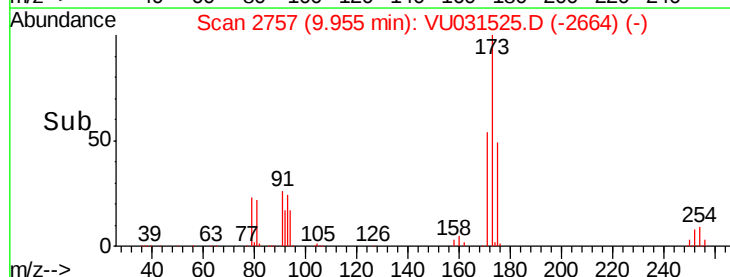
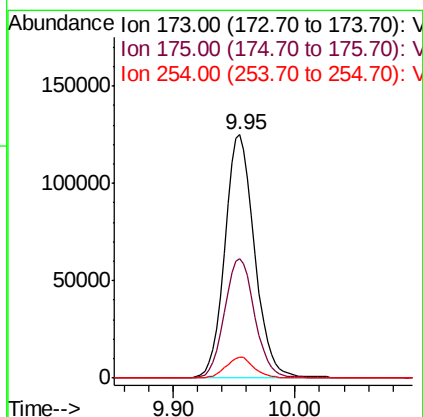
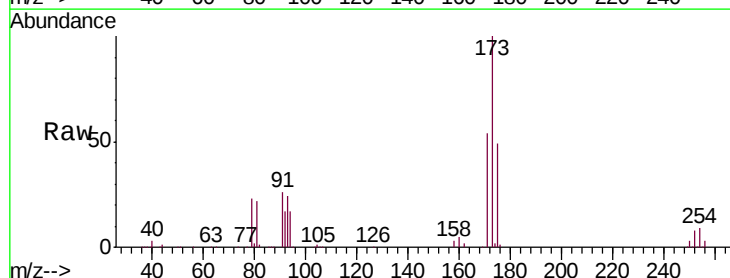
Tgt Ion: 173 Resp: 213972

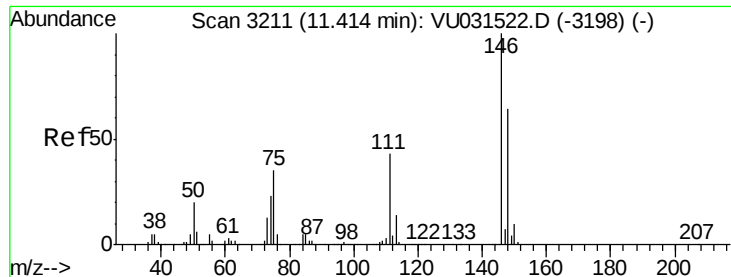
Ion Ratio Lower Upper

173 100

175 49.6 38.3 57.5

254 8.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 51.158 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VICV54

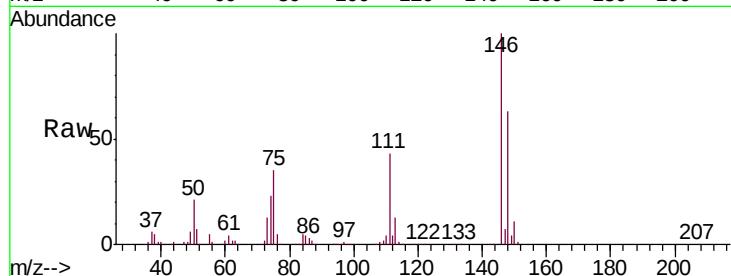
Tgt Ion:146 Resp: 517064

Ion Ratio Lower Upper

146 100

111 42.9 29.8 55.4

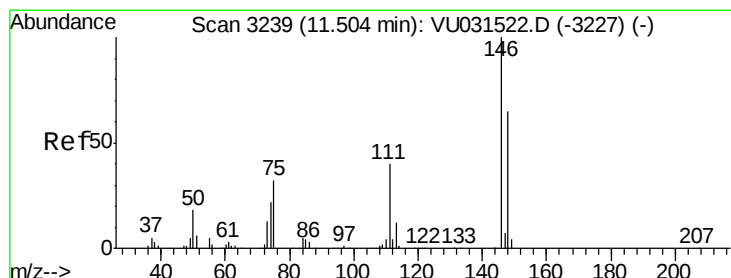
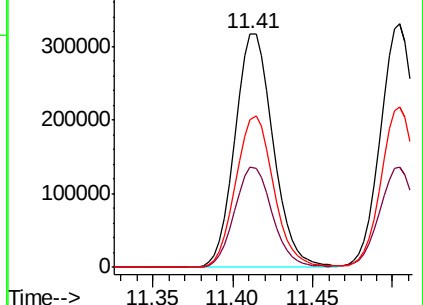
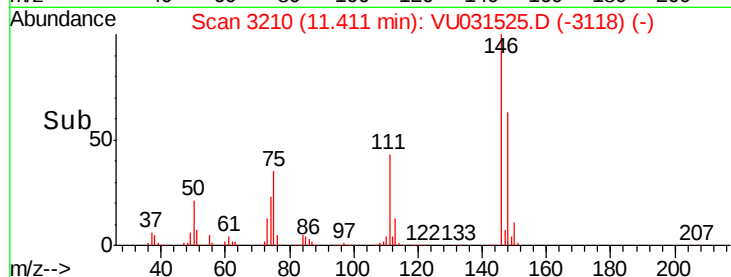
148 63.1 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 50.035 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

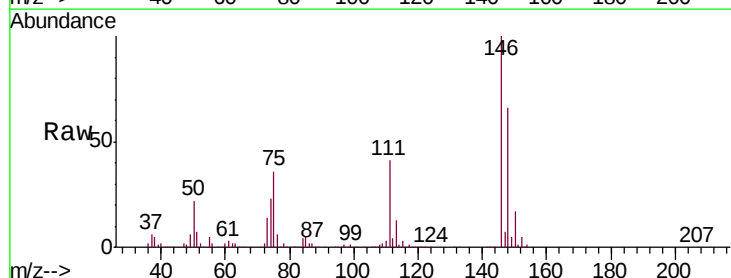
Tgt Ion:146 Resp: 523735

Ion Ratio Lower Upper

146 100

111 41.3 28.2 52.4

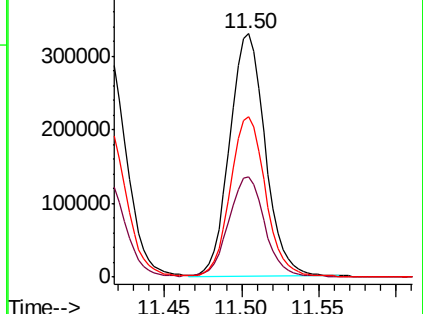
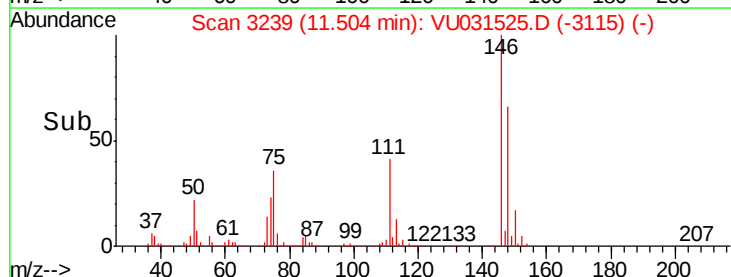
148 66.0 45.4 84.4

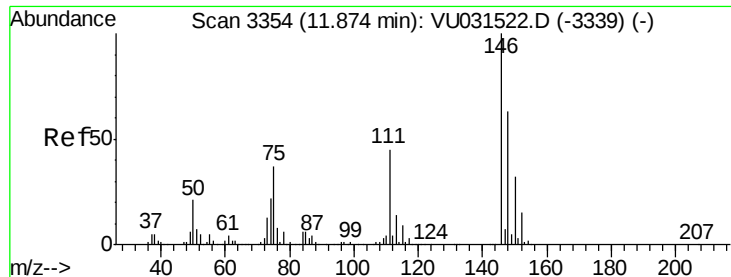


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.269 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

VICV54

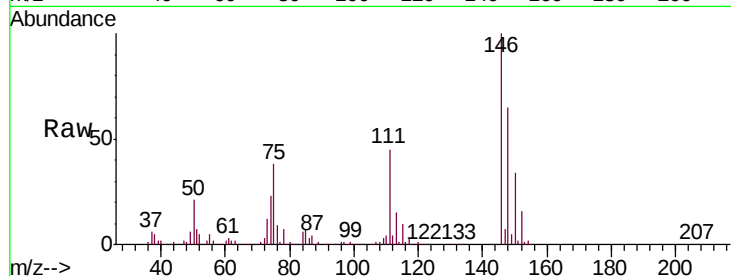
Tgt Ion:146 Resp: 529243

Ion Ratio Lower Upper

146 100

111 45.4 35.9 53.9

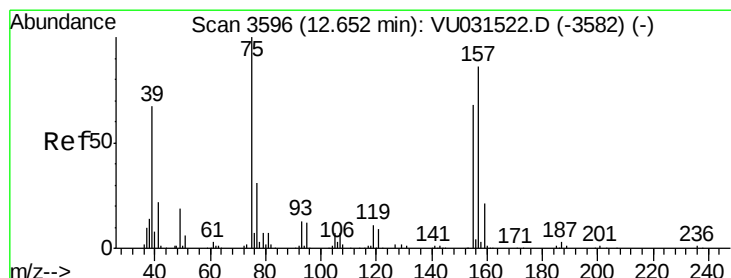
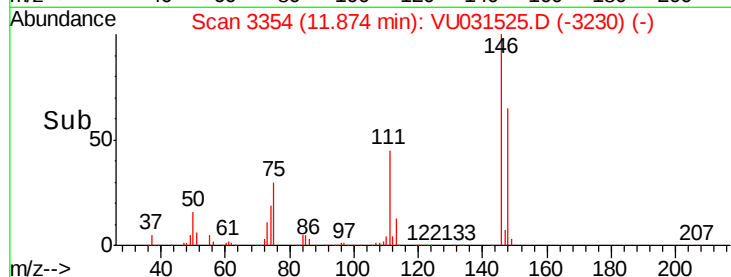
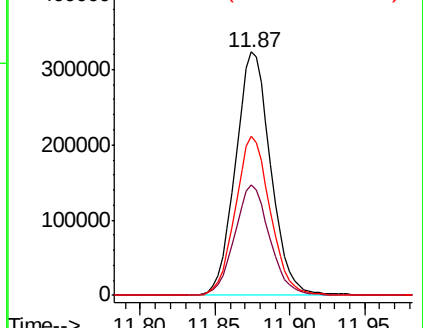
148 65.2 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.172 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

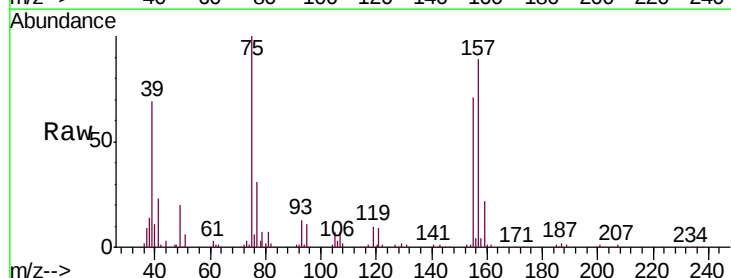
Tgt Ion: 75 Resp: 122589

Ion Ratio Lower Upper

75 100

155 71.0 54.0 81.0

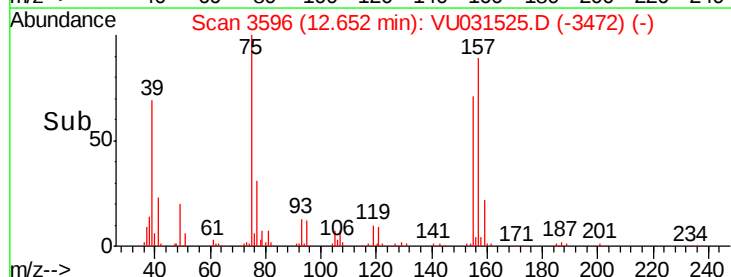
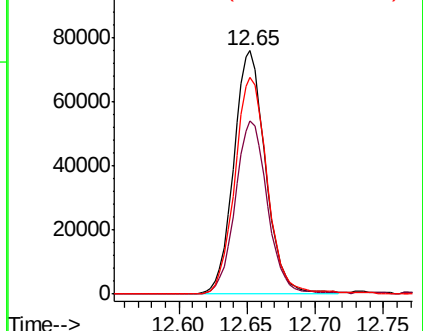
157 89.1 69.1 103.7

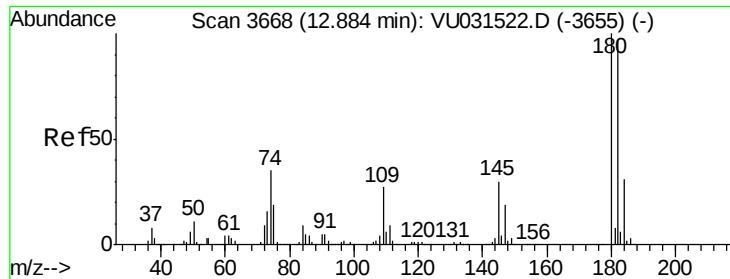


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

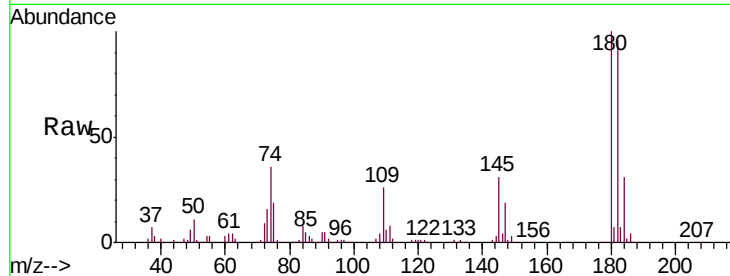




#67
 1,3,5-Trichlorobenzene
 Concen: 51.853 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.3	115.9
184	30.1	24.4	36.6
145	30.6	23.8	35.8



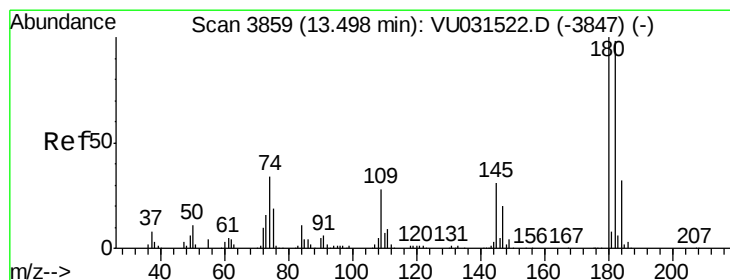
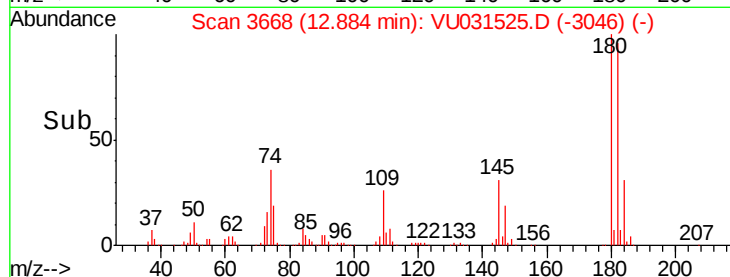
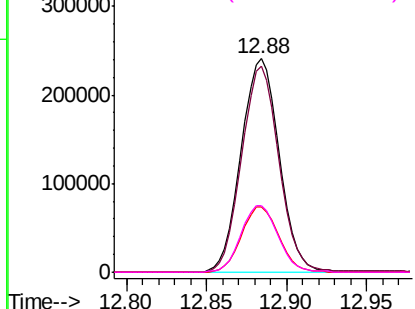
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

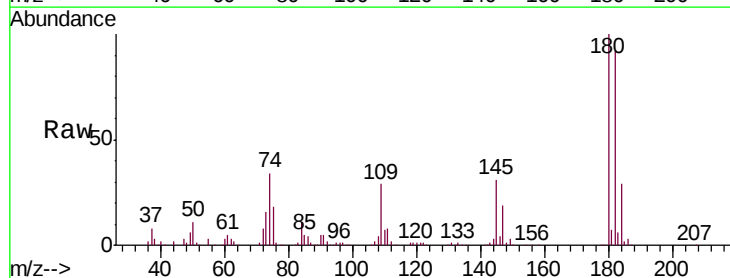
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.572 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031525.D
 Acq: 26 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	30.3	24.5	36.7

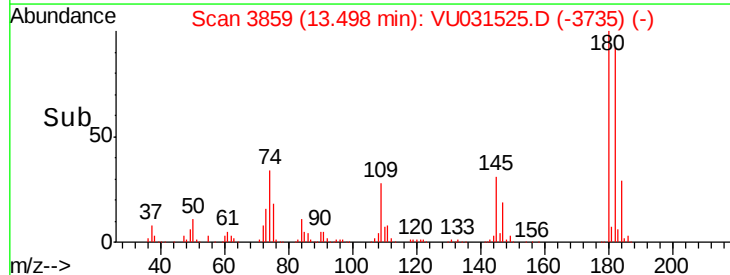
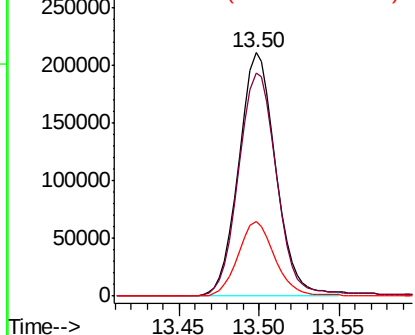


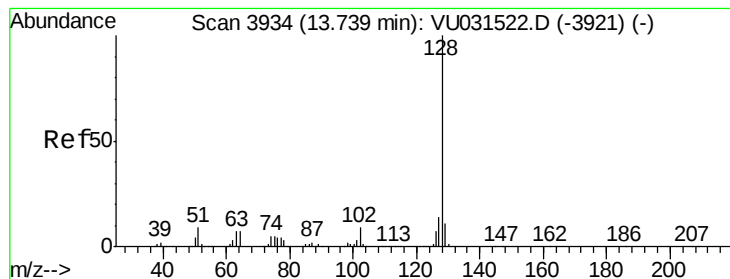
Abundance

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: 58.925 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VICV54

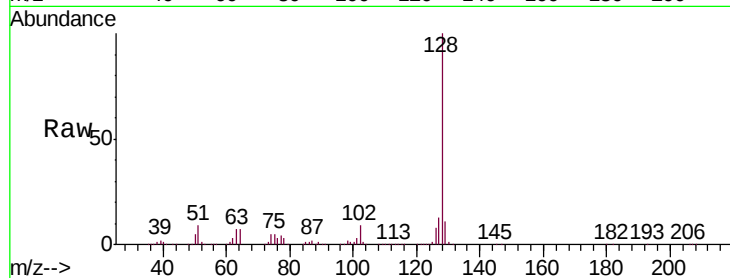
Tgt Ion:128 Resp: 1204042

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

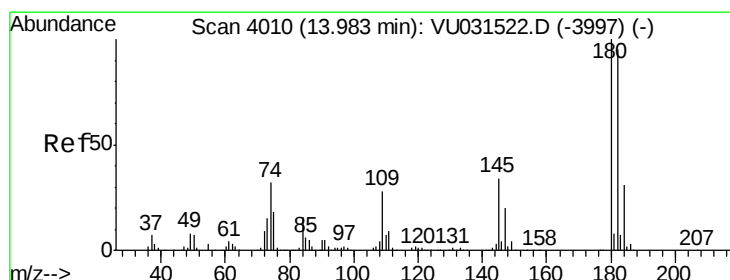
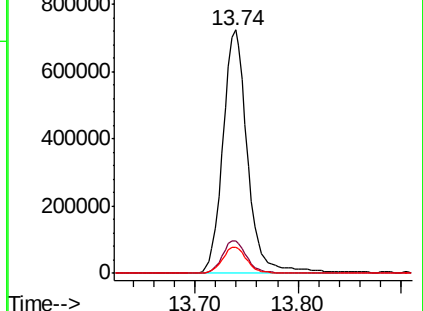
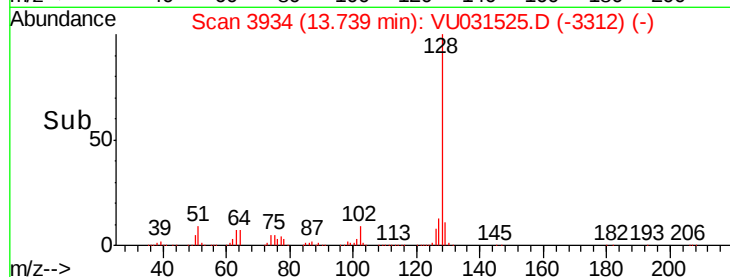
129 10.7 8.7 13.1



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: 52.472 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031525.D

Acq: 26 Apr 2019 12:12

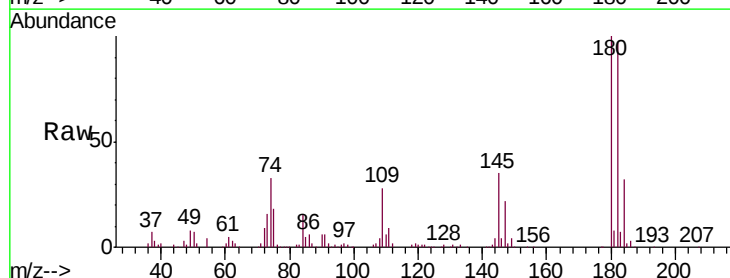
Tgt Ion:180 Resp: 358016

Ion Ratio Lower Upper

180 100

182 97.0 76.1 114.1

145 33.3 26.0 39.0



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

