

Data File : VU032047.D
Acq On : 16 May 2019 14:18
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV11

Quant Time: May 17 07:06:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:30:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	434507	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	424322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194280	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	168599	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.68	69	147533	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.27	63	281119	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.20	46	358183	49.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.70%
24) Chloroform-d	4.64	84	308932	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	156431	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.33	84	648816	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.33	67	184678	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.56	98	594616	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.85	79	69624	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.31	63	329134	53.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	151268	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	202459	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	111343	5.120	ug/L 98
3) Chloromethane	1.32	50	98958	4.742	ug/L 99
5) Vinyl chloride	1.40	62	107541	4.905	ug/L 98
6) Bromomethane	1.63	94	64874	5.133	ug/L 94
8) Chloroethane	1.69	64	61333	4.510	ug/L 100
9) Trichlorofluoromethane	1.88	101	132643	4.930	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	83218	4.669	ug/L 95
12) 1,1-Dichloroethene	2.28	96	84117	4.821	ug/L 92
13) Acetone	2.34	43	111616	47.315	ug/L 100
14) Carbon disulfide	2.47	76	274359	4.930	ug/L 100
15) Methyl Acetate	2.62	43	29999	4.435	ug/L 94
16) Methylene chloride	2.69	84	92429	4.438	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	197409	4.812	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	93486	5.005	ug/L 96
19) 1,1-Dichloroethane	3.44	63	149152	5.034	ug/L 99
21) 2-Butanone	4.29	43	178673	52.768	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	90680	4.935	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39790	5.047	ug/L	95
25) Chloroform	4.67	83	151752	4.790	ug/L	100
27) 1,2-Dichloroethane	5.40	62	93187	5.093	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	124887	5.045	ug/L	96
30) Cyclohexane	4.98	56	120596	5.297	ug/L	98
31) Carbon tetrachloride	5.13	117	108798	5.169	ug/L	99
33) Benzene	5.38	78	345652	5.305	ug/L	100
34) Trichloroethene	6.18	95	89250	5.050	ug/L	99
35) Methylcyclohexane	6.41	83	132040	5.188	ug/L	98
37) 1,2-Dichloropropane	6.43	63	83056	5.214	ug/L	98
38) Bromodichloromethane	6.76	83	103677	5.088	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	114613	5.203	ug/L	94
40) 4-Methyl-2-pentanone	7.46	43	401603	54.381	ug/L	100
42) Toluene	7.63	91	368066	5.394	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	93086	5.435	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	61071	5.190	ug/L	96
47) Tetrachloroethene	8.22	164	72982	5.524	ug/L	92
48) 2-Hexanone	8.36	43	325412	56.808	ug/L	99
49) Dibromochloromethane	8.47	129	69375	5.115	ug/L	98
50) 1,2-Dibromoethane	8.58	107	57704	5.117	ug/L #	96
51) Chlorobenzene	9.12	112	227972	5.289	ug/L	96
52) Ethylbenzene	9.25	91	368768	5.387	ug/L	100
53) m,p-Xylene	9.37	106	134260	5.163	ug/L	98
54) o-Xylene	9.78	106	133909	5.342	ug/L	95
55) Styrene	9.79	104	232965	5.481	ug/L	98
56) Isopropylbenzene	10.16	105	343374	5.360	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	73160	4.983	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	51158	5.056	ug/L	95
61) Bromoform	9.95	173	37346	5.009	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	165612	5.350	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	172000	5.339	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	168407	5.362	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	11679	5.698	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	129413	5.617	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	98390	6.177	ug/L	99
69) Naphthalene	13.74	128	159918	6.455	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	97851	6.052	ug/L	98

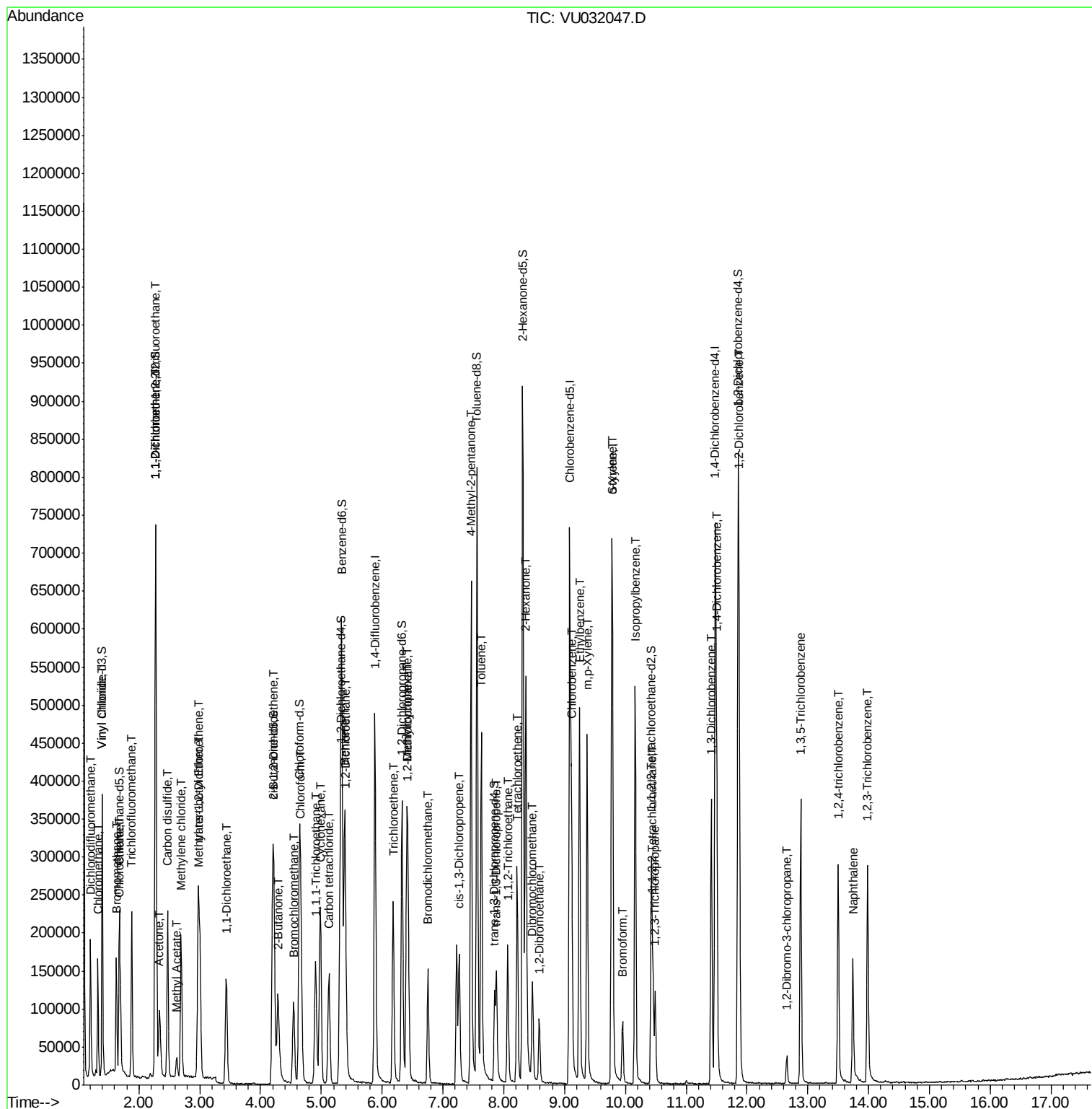
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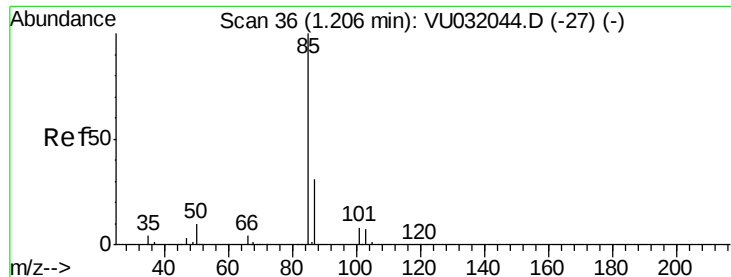
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#2

Dichlorodifluoromethane

Concen: 5.120 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

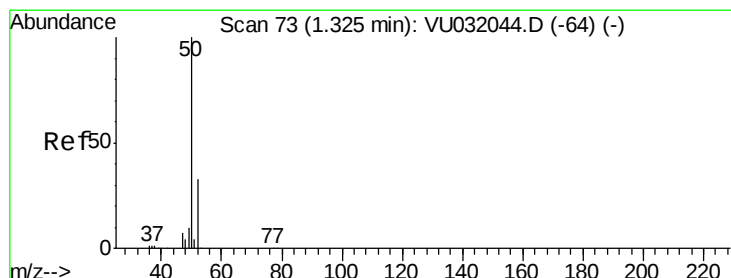
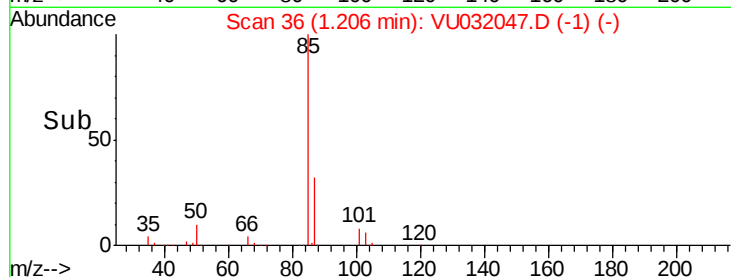
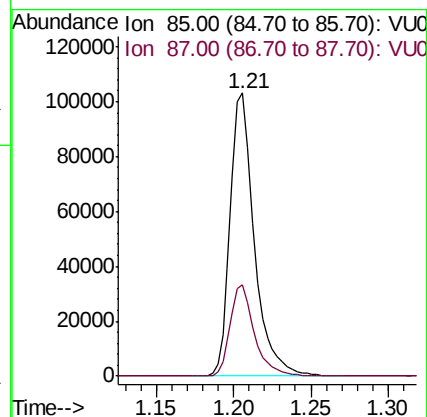
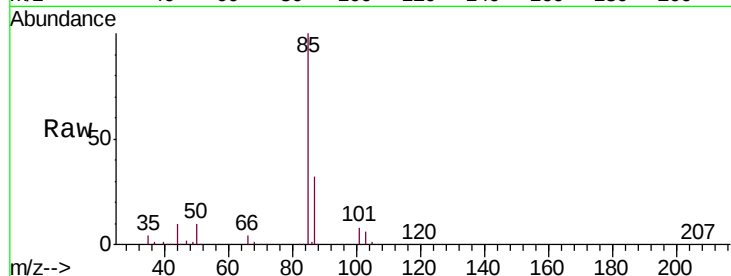
VICV11

Tgt Ion: 85 Resp: 111343

Ion Ratio Lower Upper

85 100

87 32.2 24.8 37.2



#3

Chloromethane

Concen: 4.742 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032047.D

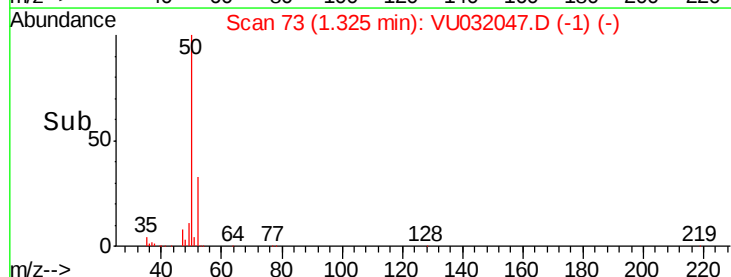
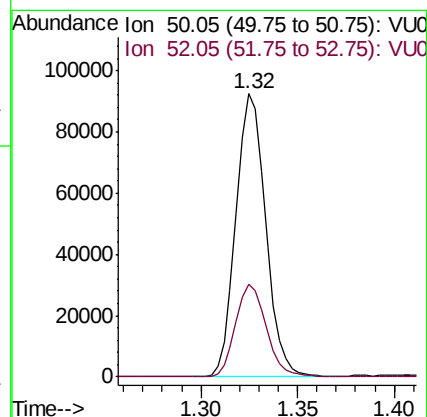
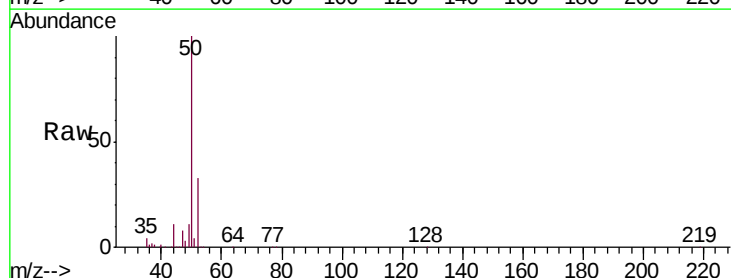
Acq: 16 May 2019 14:18

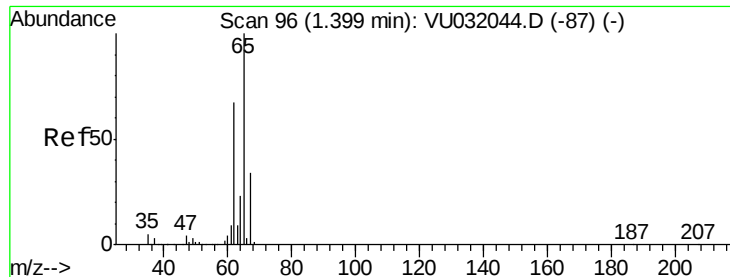
Tgt Ion: 50 Resp: 98958

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.0





#5

Vinyl chloride

Concen: 4.905 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

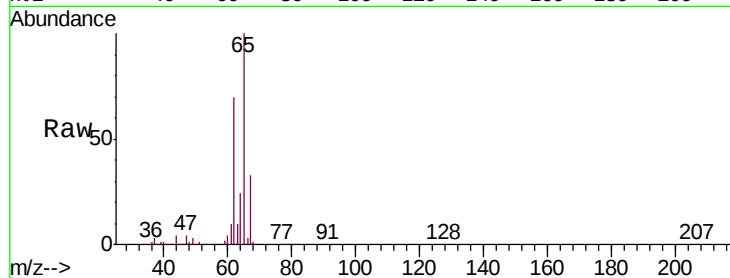
VICV11

Tgt Ion: 62 Resp: 107541

Ion Ratio Lower Upper

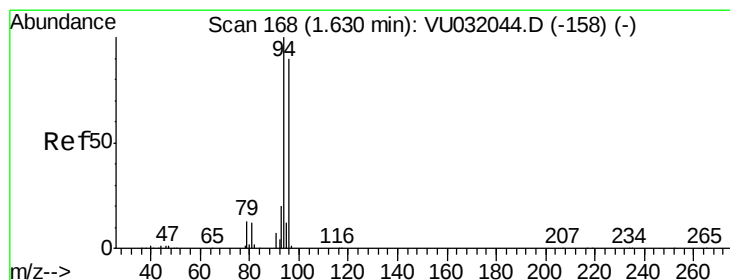
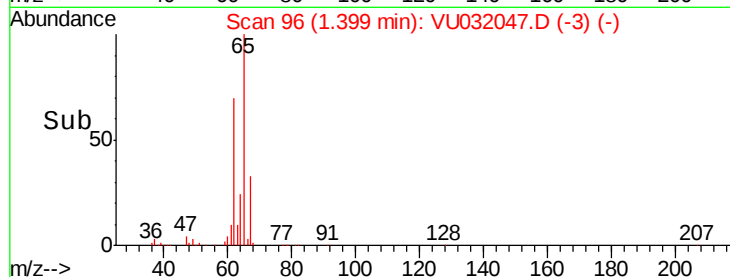
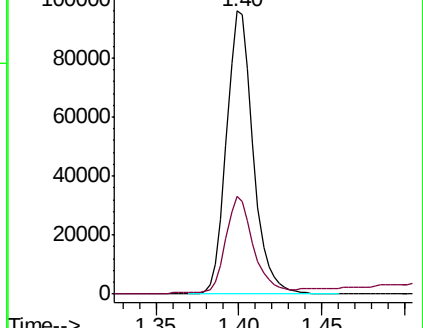
62 100

64 34.4 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032047.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032047.D (-87) (-)



#6

Bromomethane

Concen: 5.133 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU032047.D

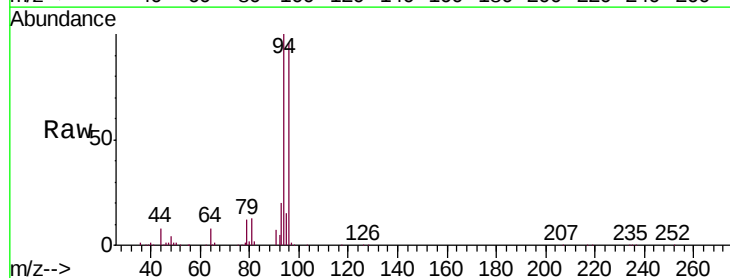
Acq: 16 May 2019 14:18

Tgt Ion: 94 Resp: 64874

Ion Ratio Lower Upper

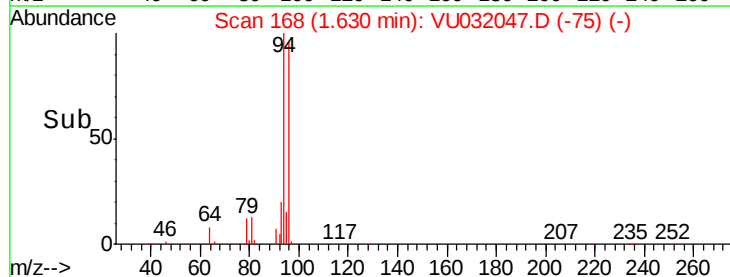
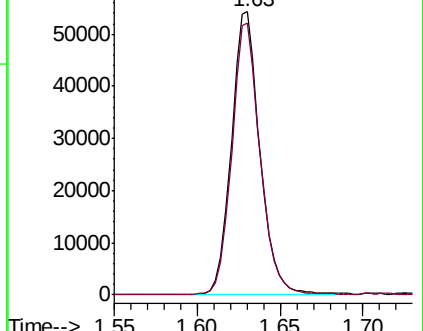
94 100

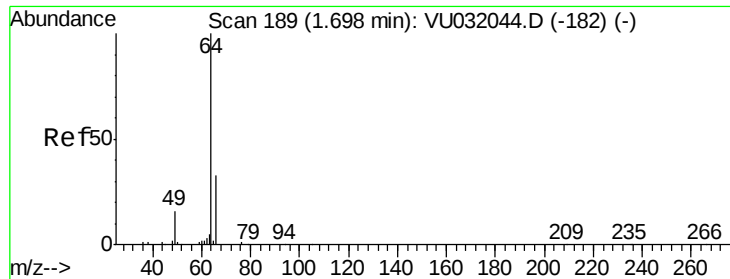
96 96.1 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU032047.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032047.D (-158) (-)

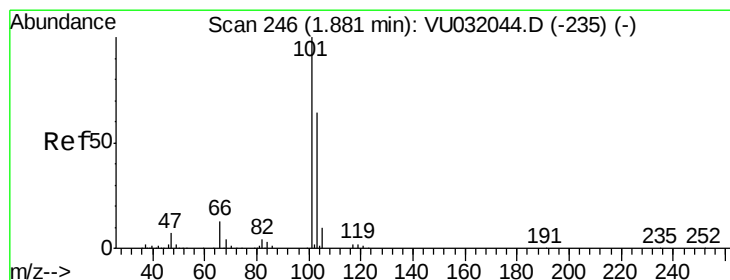
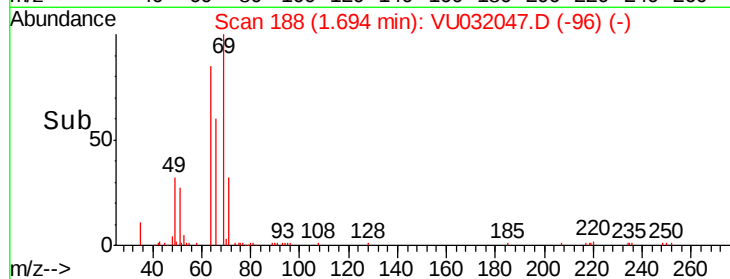
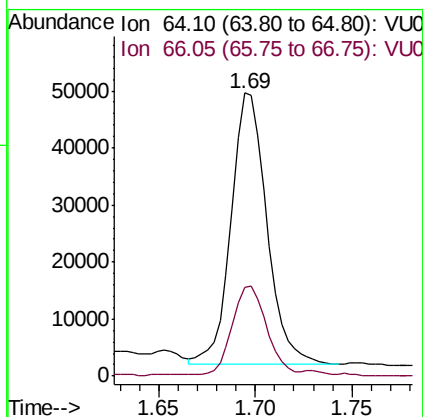
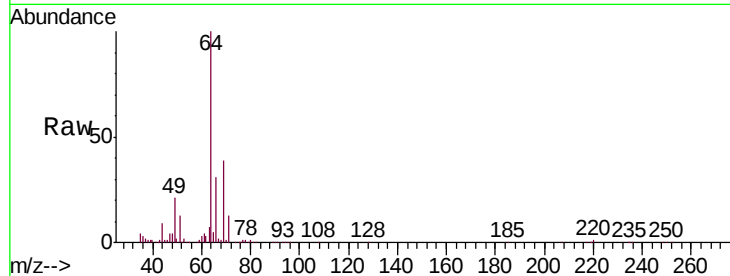




#8
Chloroethane
Concen: 4.510 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

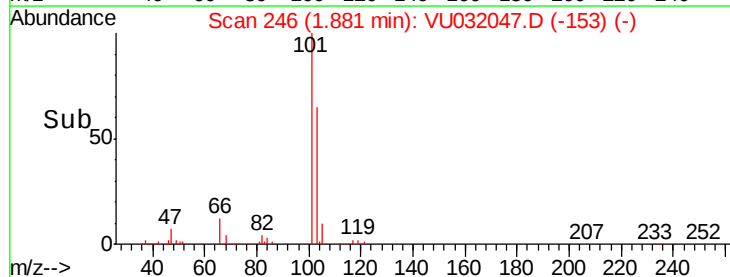
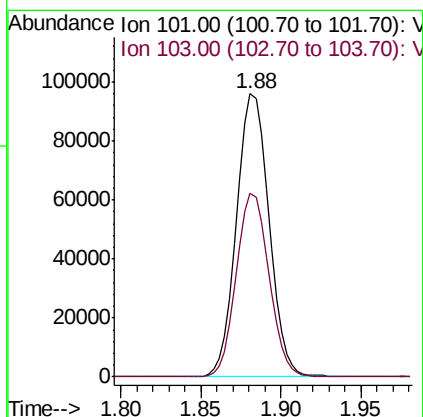
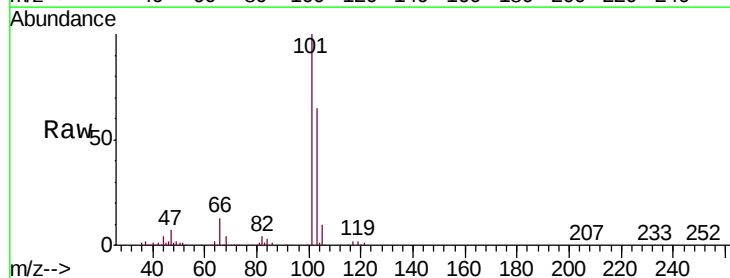
Instrument :
MSVOA_U
ClientSampled :
VICV11

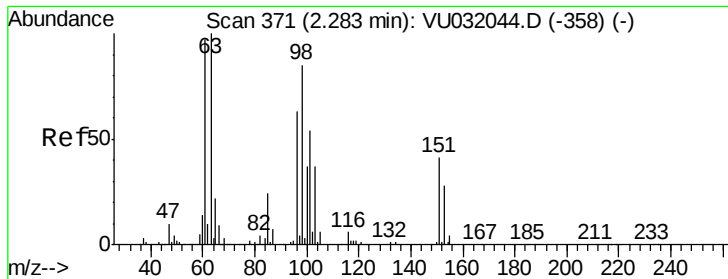
Tgt Ion: 64 Resp: 61333
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.930 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 101 Resp: 132643
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0





#10

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

Concen: 4.669 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

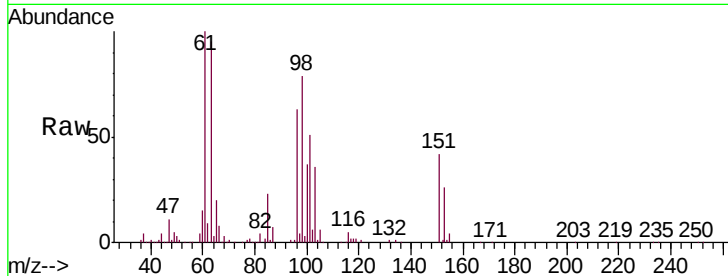
Tgt Ion:101 Resp: 83218

Ion Ratio Lower Upper

101 100

85 43.3 33.8 50.8

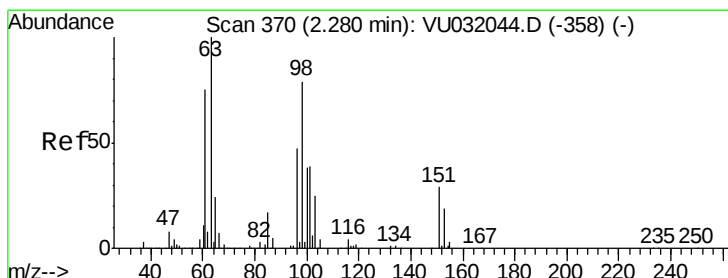
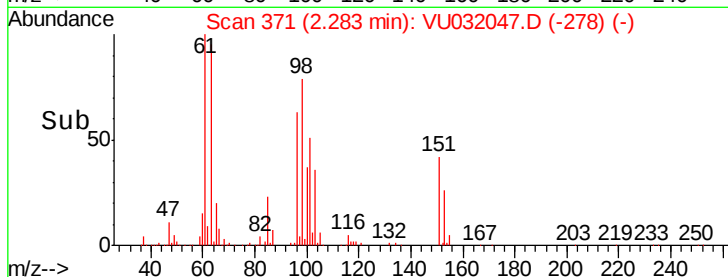
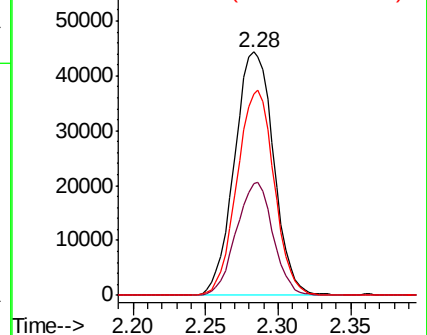
151 79.9 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.821 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

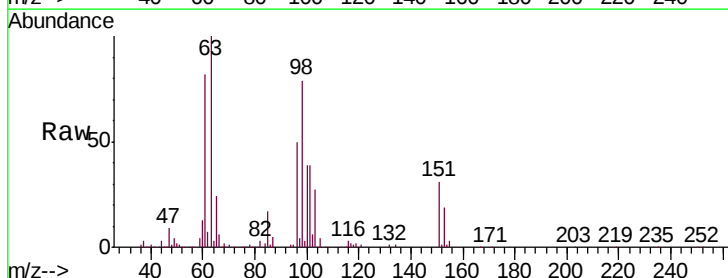
Tgt Ion: 96 Resp: 84117

Ion Ratio Lower Upper

96 100

61 166.4 111.7 207.5

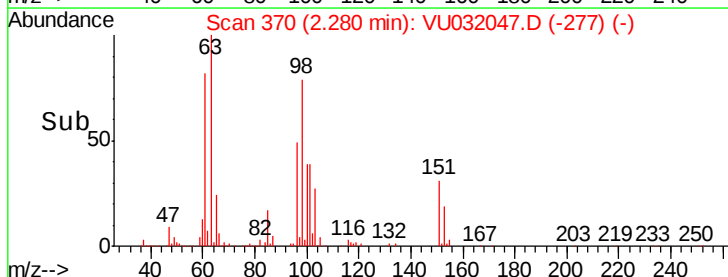
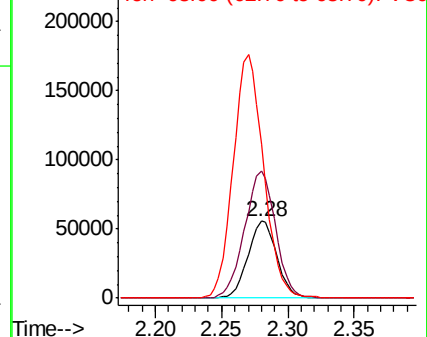
63 201.9 152.2 282.6

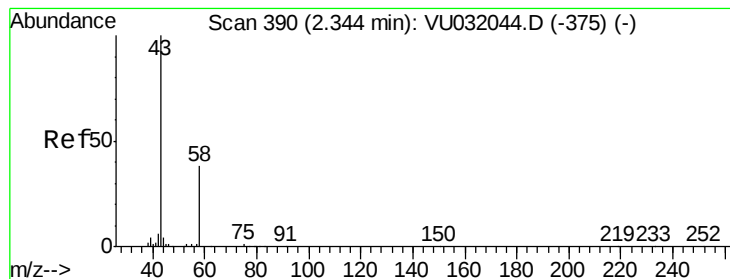


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.315 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

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MSVOA_U

ClientSampleId :

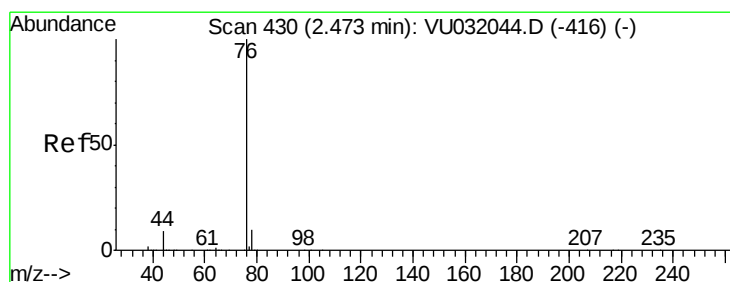
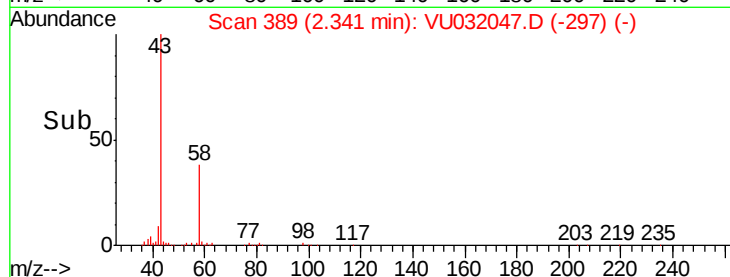
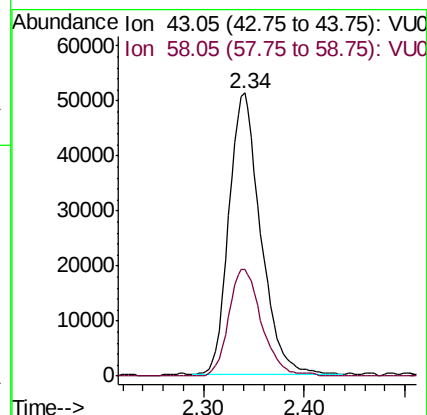
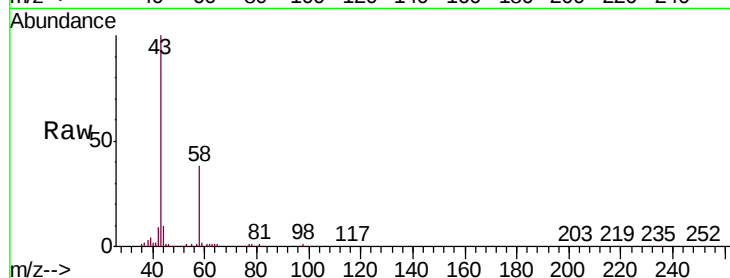
VICV11

Tgt Ion: 43 Resp: 111616

Ion Ratio Lower Upper

43 100

58 39.1 0.0 78.8



#14

Carbon disulfide

Concen: 4.930 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032047.D

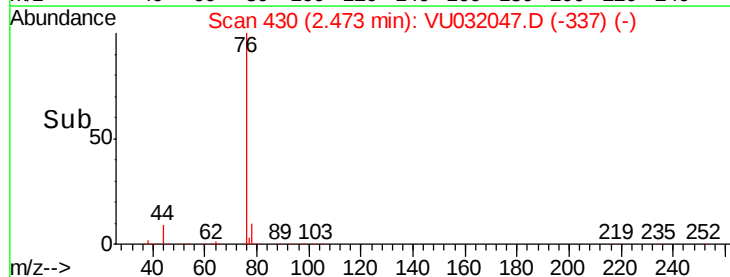
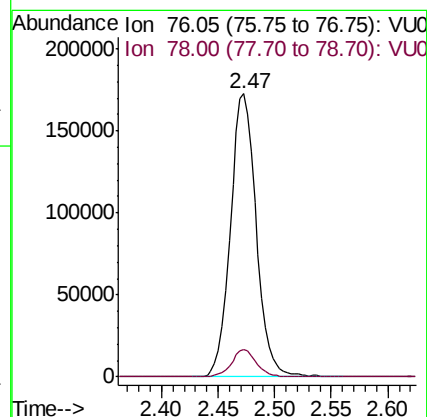
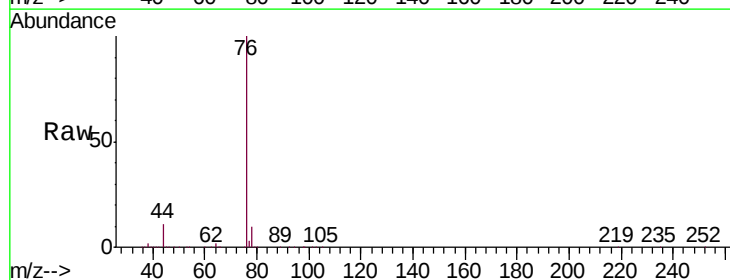
Acq: 16 May 2019 14:18

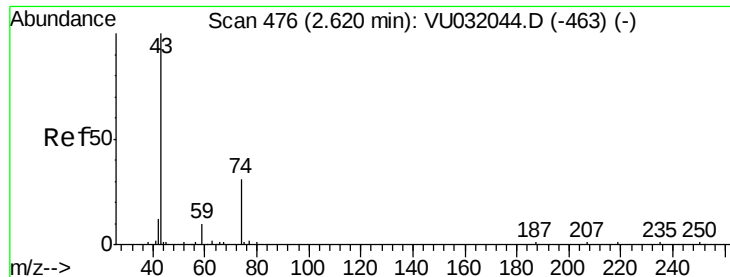
Tgt Ion: 76 Resp: 274359

Ion Ratio Lower Upper

76 100

78 9.7 7.8 11.6

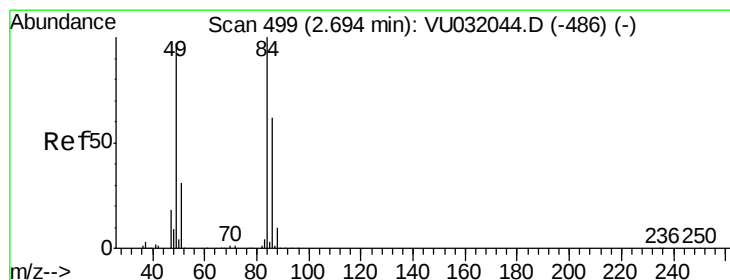
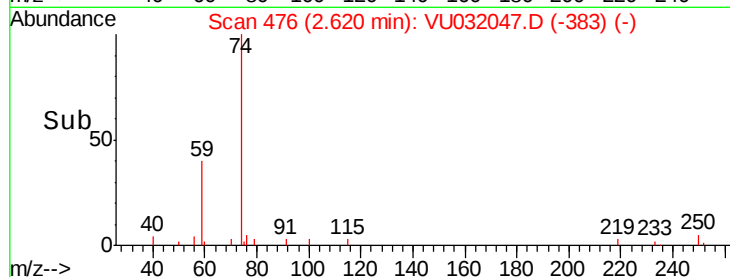
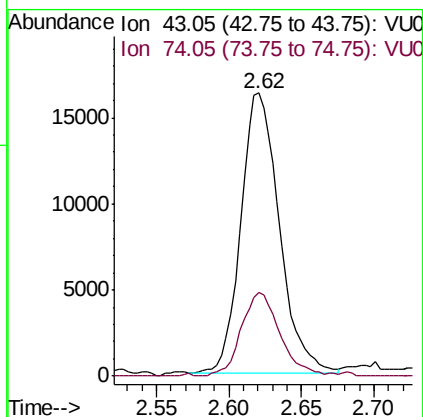
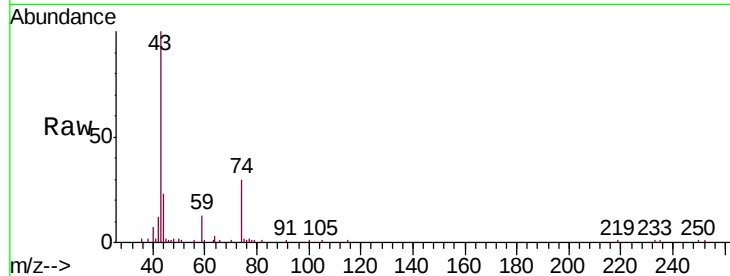




#15
Methyl Acetate
Concen: 4.435 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

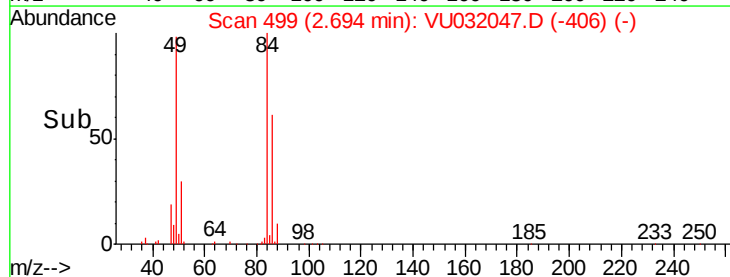
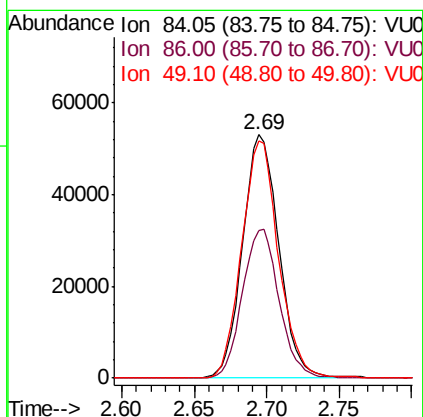
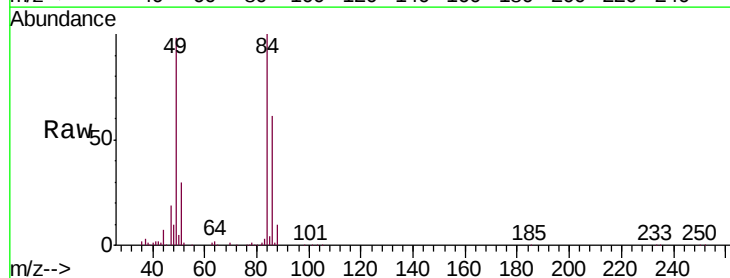
Instrument :
MSVOA_U
ClientSampleId :
VICV11

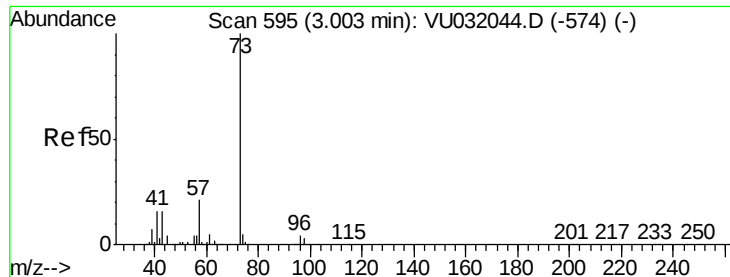
Tgt Ion: 43 Resp: 29999
Ion Ratio Lower Upper
43 100
74 29.8 26.4 39.6



#16
Methylene chloride
Concen: 4.438 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 84 Resp: 92429
Ion Ratio Lower Upper
84 100
86 60.8 43.1 80.1
49 97.6 67.7 125.7





#17

Methyl tert-butyl Ether

Concen: 4.812 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

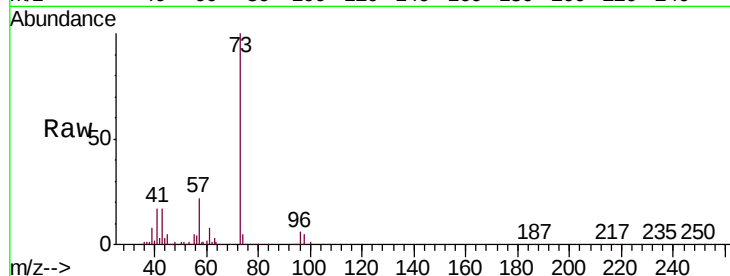
Tgt Ion: 73 Resp: 197409

Ion Ratio Lower Upper

73 100

43 16.3 13.0 19.6

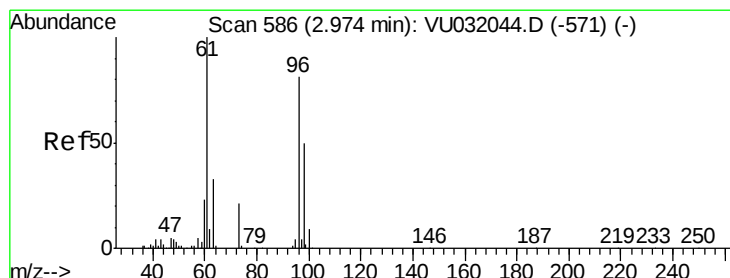
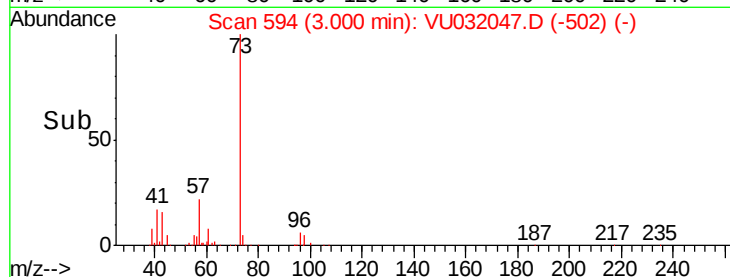
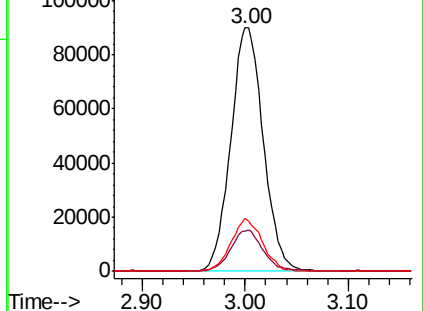
57 21.0 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU032047.D (-574) (-)

Ion 43.05 (42.75 to 43.75): VU032047.D (-574) (-)

Ion 57.10 (56.80 to 57.80): VU032047.D (-574) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.005 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

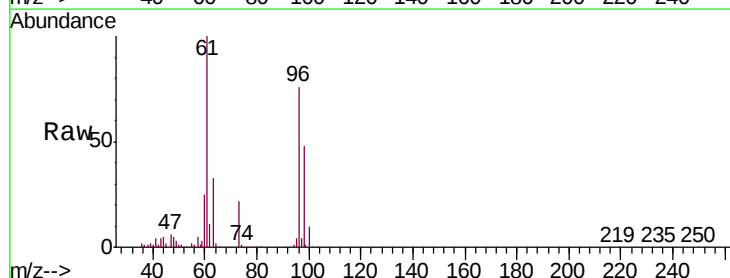
Tgt Ion: 96 Resp: 93486

Ion Ratio Lower Upper

96 100

61 130.8 86.5 160.7

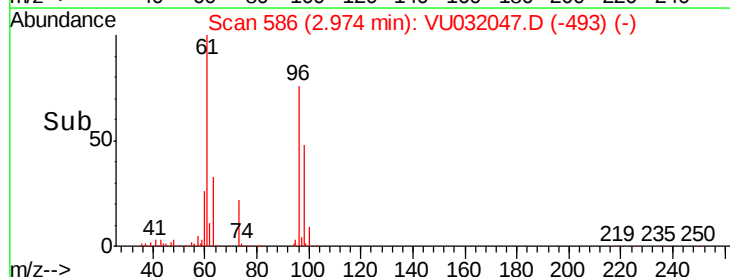
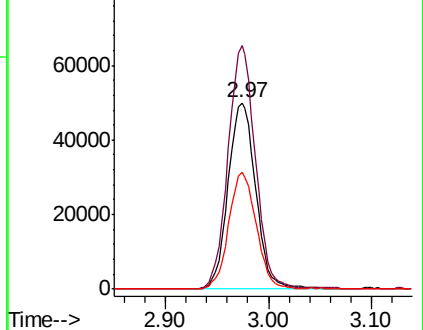
98 62.5 43.5 80.9

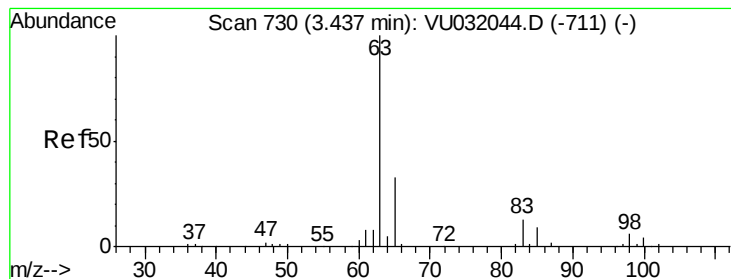


Abundance Ion 96.00 (95.70 to 96.70): VU032047.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032047.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032047.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 5.034 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampled :

VICV11

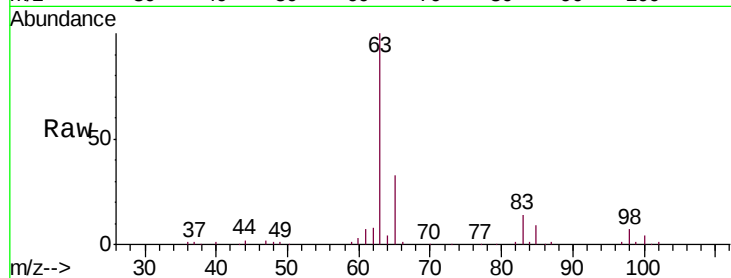
Tgt Ion: 63 Resp: 149152

Ion Ratio Lower Upper

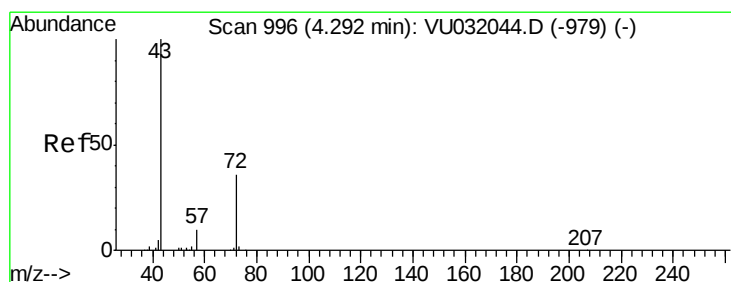
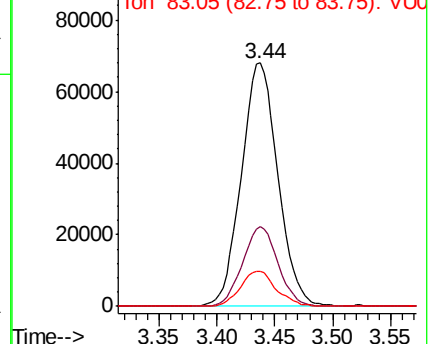
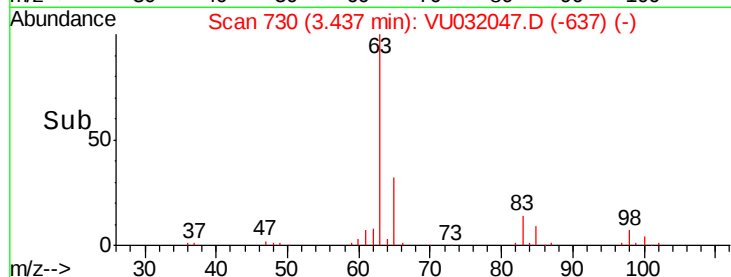
63 100

65 32.5 23.0 42.6

83 14.4 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU032047.D (-637) (-)



#21

2-Butanone

Concen: 52.768 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU032047.D

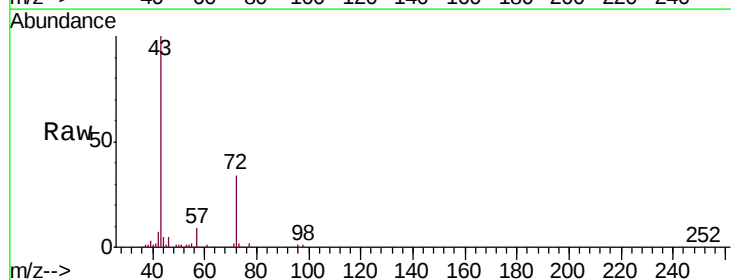
Acq: 16 May 2019 14:18

Tgt Ion: 43 Resp: 178673

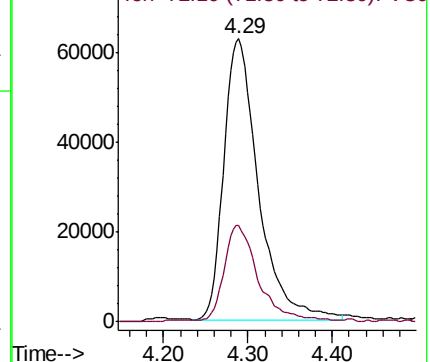
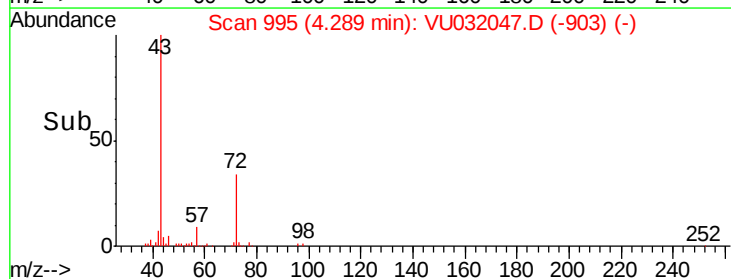
Ion Ratio Lower Upper

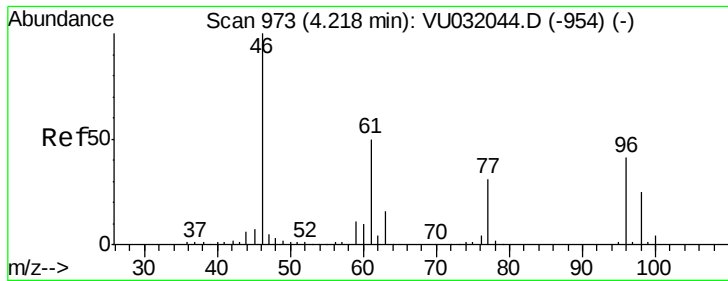
43 100

72 33.4 16.8 50.3



Abundance Ion 43.05 (42.75 to 43.75): VU032047.D (-903) (-)



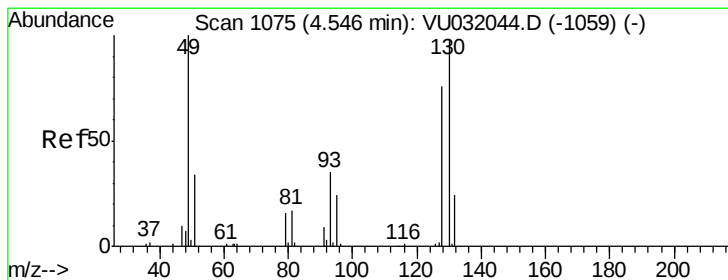
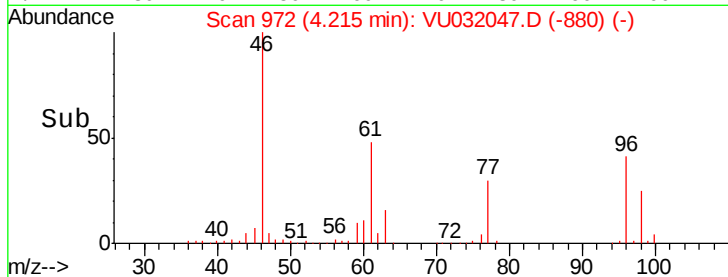
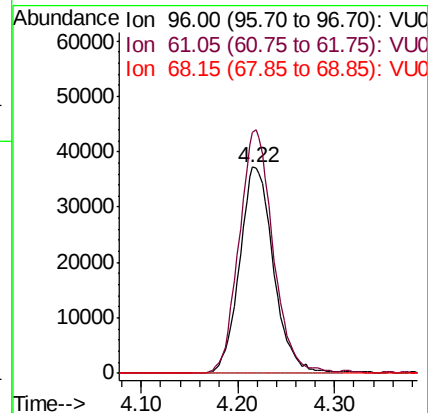
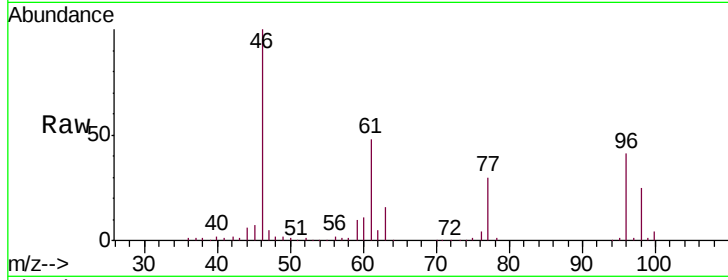


#22

cis-1,2-Dichloroethene
Concen: 4.935 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VICV11

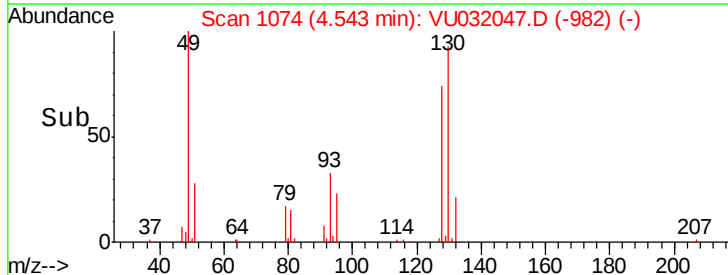
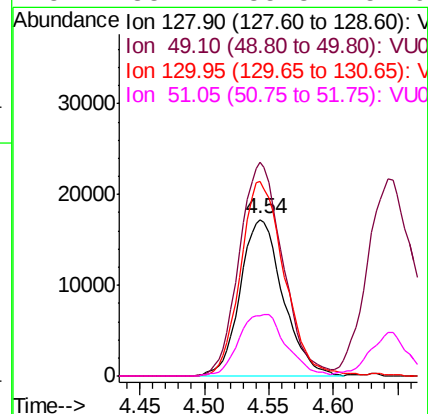
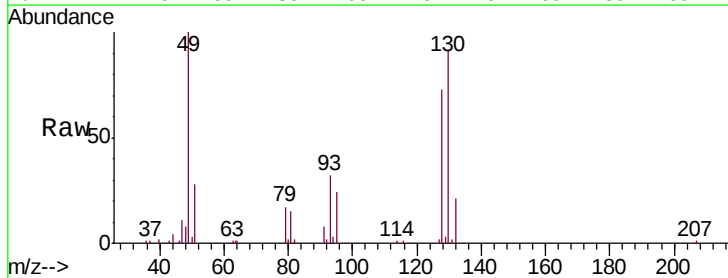
Tgt Ion: 96 Resp: 90680
Ion Ratio Lower Upper
96 100
61 117.0 85.8 159.4
68 0.0 0.0 0.0

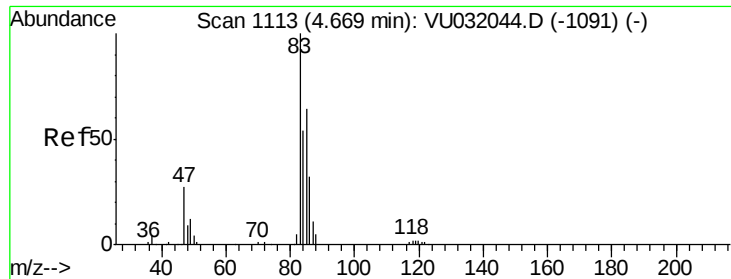


#23

Bromochloromethane
Concen: 5.047 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 128 Resp: 39790
Ion Ratio Lower Upper
128 100
49 136.4 92.2 171.2
130 124.4 90.3 167.7
51 38.2 35.3 52.9

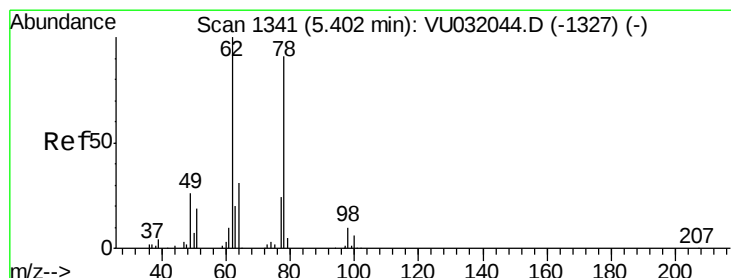
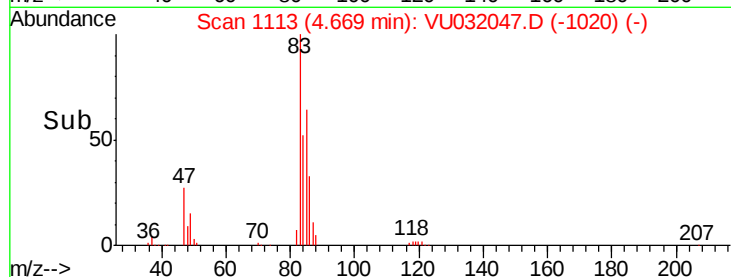
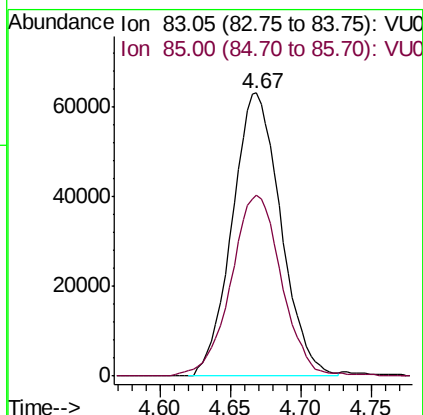
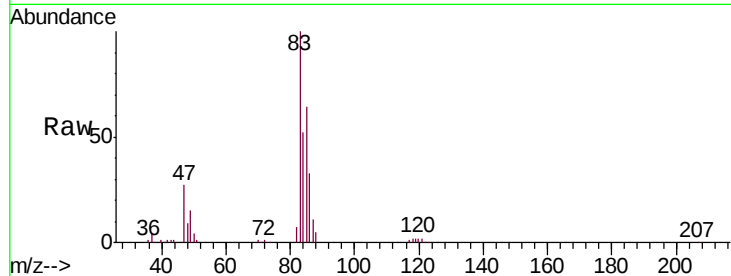




#25
Chloroform
Concen: 4.790 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

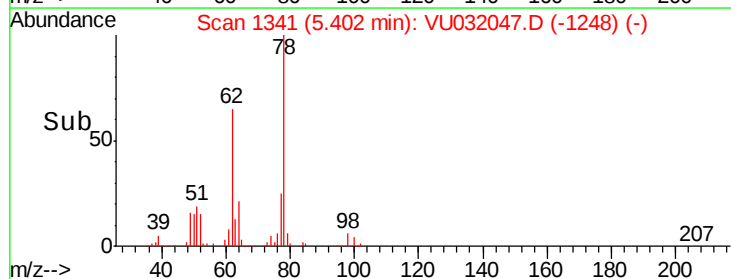
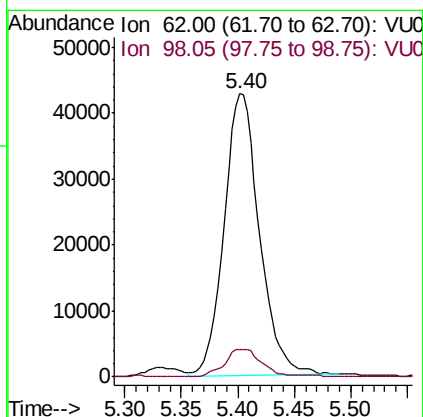
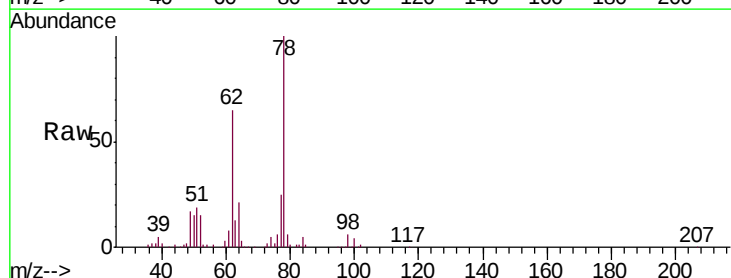
Instrument :
MSVOA_U
ClientSampleId :
VICV11

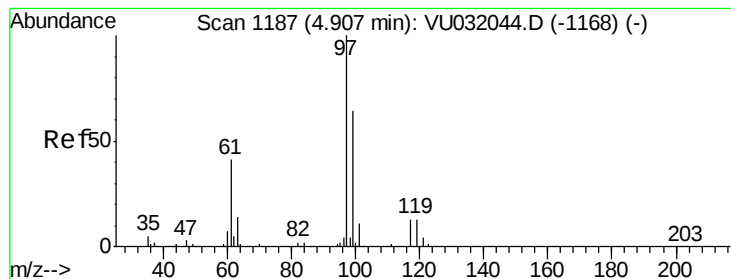
Tgt Ion: 83 Resp: 151752
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.093 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 62 Resp: 93187
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0





#29

1,1,1-Trichloroethane

Concen: 5.045 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

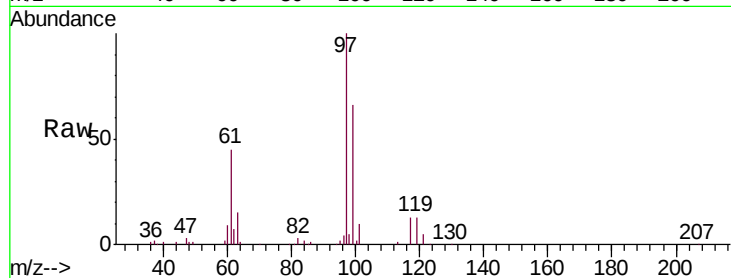
Tgt Ion: 97 Resp: 124887

Ion Ratio Lower Upper

97 100

99 64.7 53.7 80.5

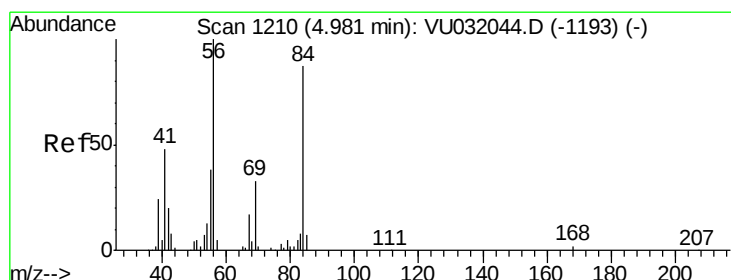
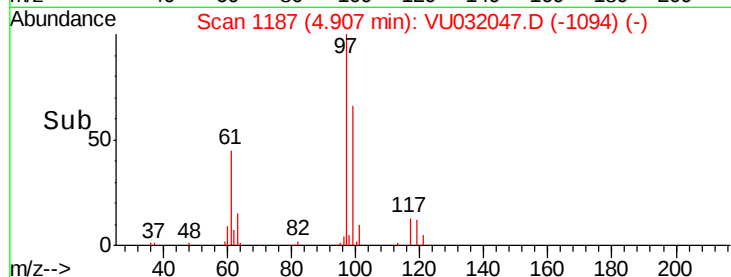
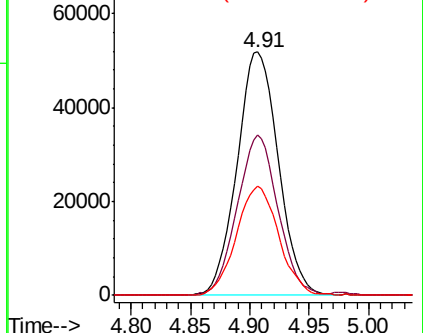
61 46.0 34.2 51.4



Abundance Ion 96.95 (96.65 to 97.65): VU032047.D (-1168) (-)

Ion 99.05 (98.75 to 99.75): VU032047.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU032047.D (-1168) (-)



#30

Cyclohexane

Concen: 5.297 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

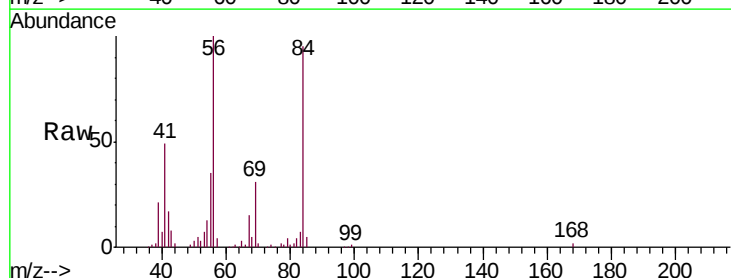
Tgt Ion: 56 Resp: 120596

Ion Ratio Lower Upper

56 100

69 32.2 26.9 40.3

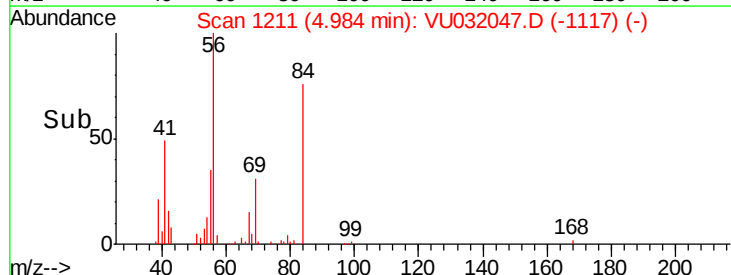
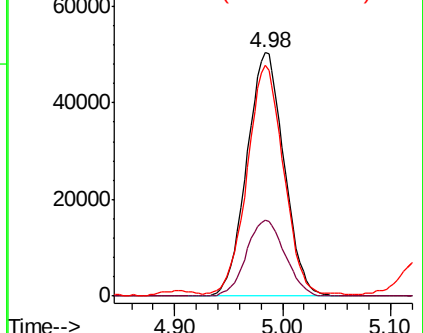
84 94.0 76.6 115.0

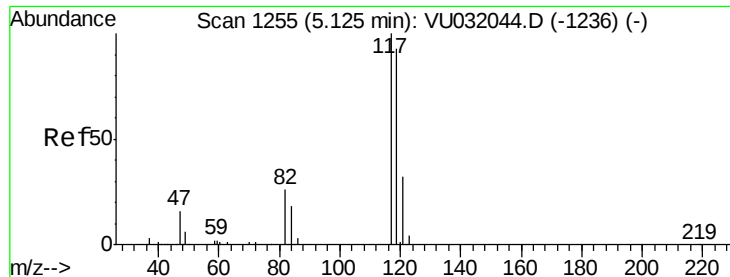


Abundance Ion 56.10 (55.80 to 56.80): VU032047.D (-1193) (-)

Ion 69.15 (68.85 to 69.85): VU032047.D (-1193) (-)

Ion 84.15 (83.85 to 84.85): VU032047.D (-1193) (-)

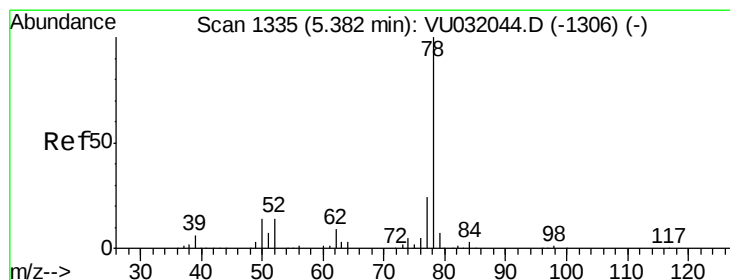
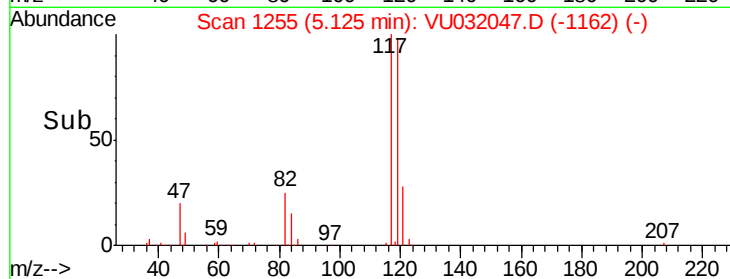
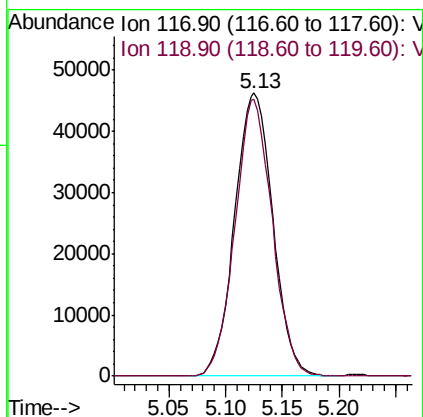
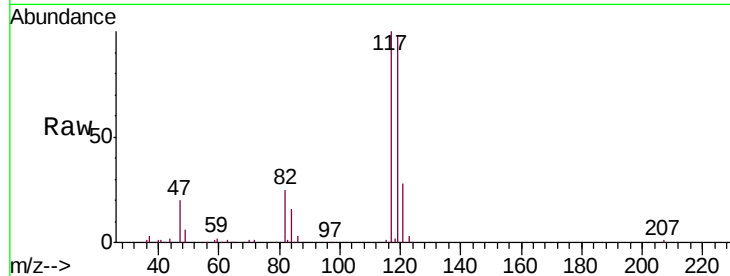




#31
Carbon tetrachloride
Concen: 5.169 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

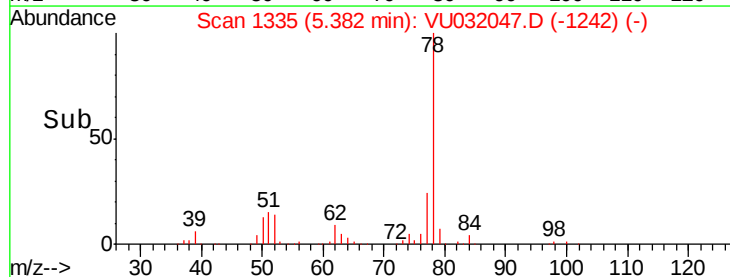
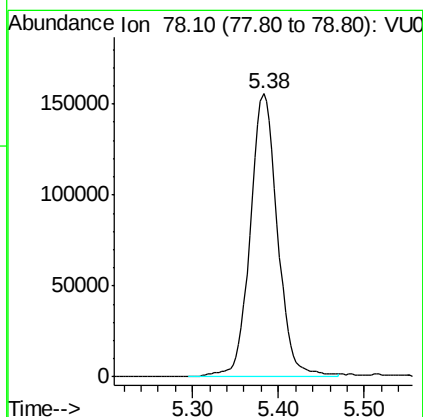
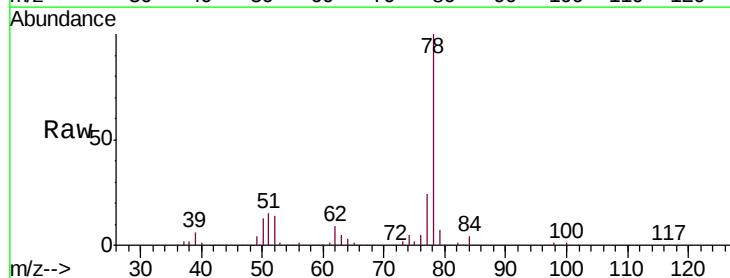
Instrument :
MSVOA_U
ClientSampled :
VICV11

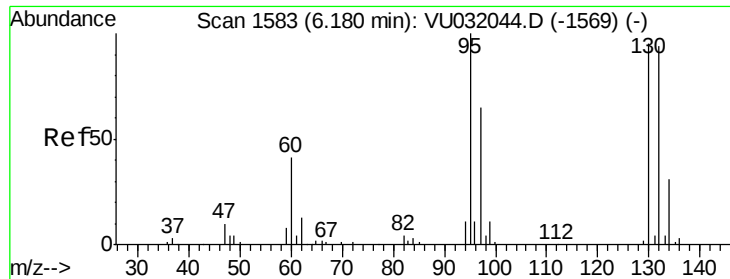
Tgt Ion:117 Resp: 108798
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.6



#33
Benzene
Concen: 5.305 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 78 Resp: 345652





#34

Trichloroethene

Concen: 5.050 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

Tgt Ion: 95 Resp: 89250

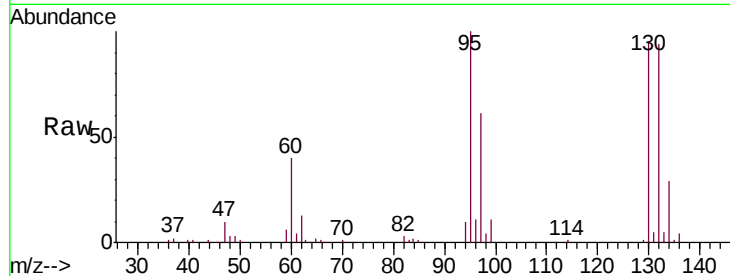
Ion Ratio Lower Upper

95 100

97 60.7 45.2 84.0

132 94.1 66.1 122.7

130 95.4 66.7 123.9

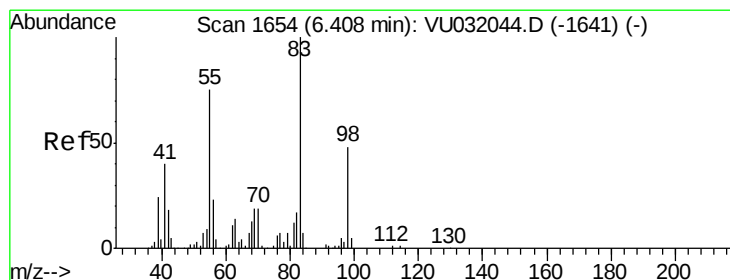
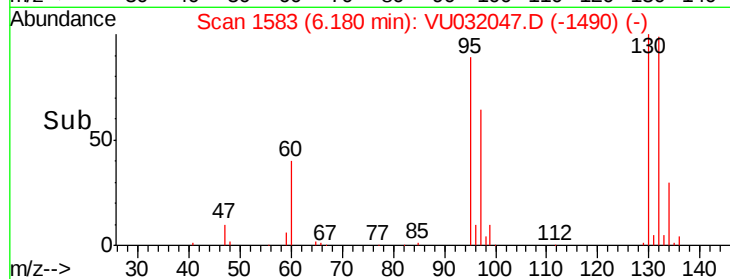
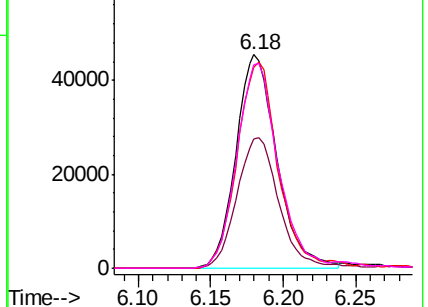


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.188 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

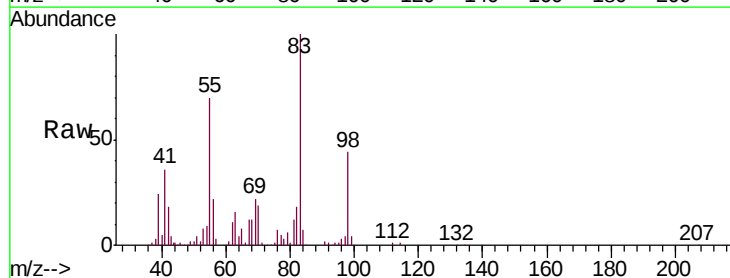
Tgt Ion: 83 Resp: 132040

Ion Ratio Lower Upper

83 100

55 72.3 59.7 89.5

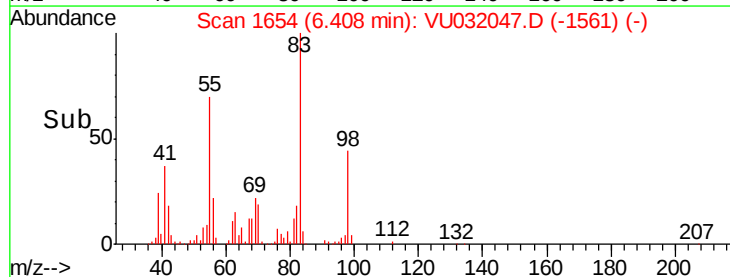
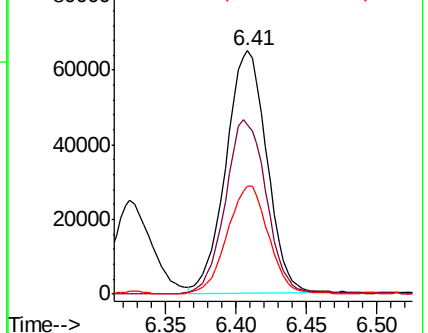
98 45.3 36.8 55.2

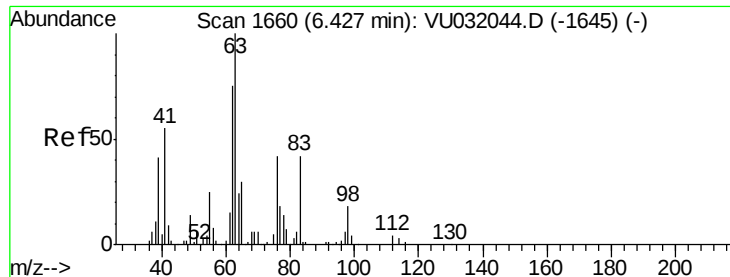


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.214 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

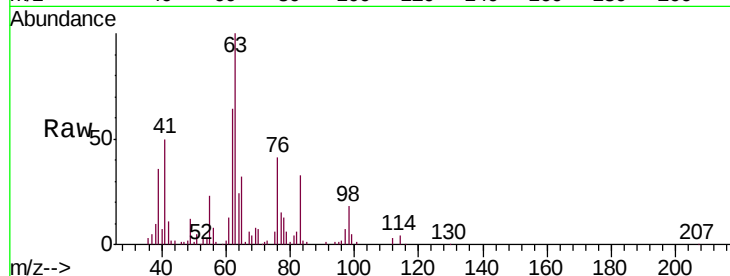
VICV11

Tgt Ion: 63 Resp: 83056

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6

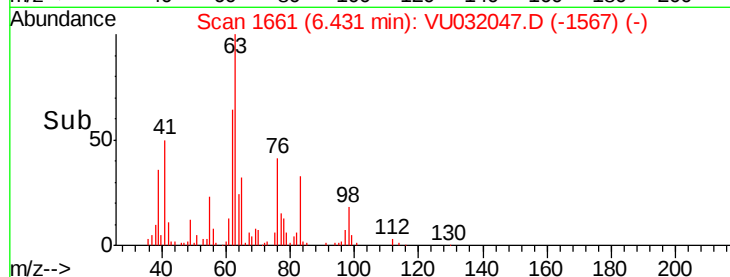


Abundance Ion 63.10 (62.80 to 63.80): VU032047.D (-1660) (-)

Ion 112.10 (111.80 to 112.80): VU032047.D (-1660) (-)

6.43

Time-->

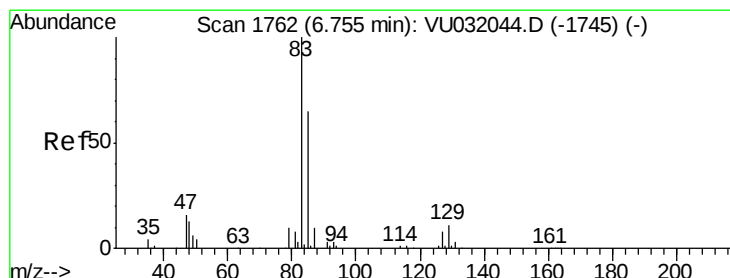


Abundance Ion 63.10 (62.80 to 63.80): VU032047.D (-1660) (-)

Ion 112.10 (111.80 to 112.80): VU032047.D (-1660) (-)

6.43

Time-->



#38

Bromodichloromethane

Concen: 5.088 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

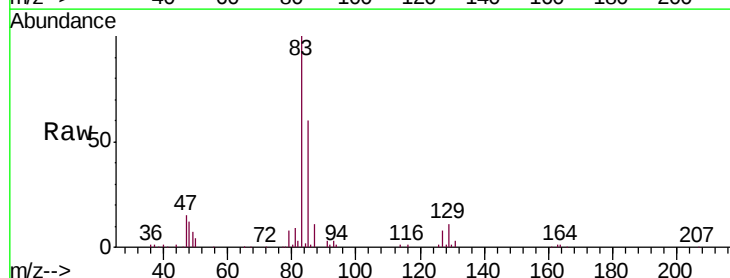
Tgt Ion: 83 Resp: 103677

Ion Ratio Lower Upper

83 100

85 60.4 45.5 84.5

127 8.2 6.3 9.5



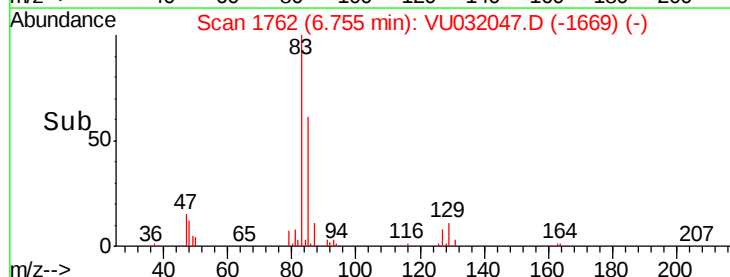
Abundance Ion 82.95 (82.65 to 83.65): VU032047.D (-1761) (-)

Ion 85.00 (84.70 to 85.70): VU032047.D (-1761) (-)

Ion 126.90 (126.60 to 127.60): VU032047.D (-1761) (-)

6.76

Time-->



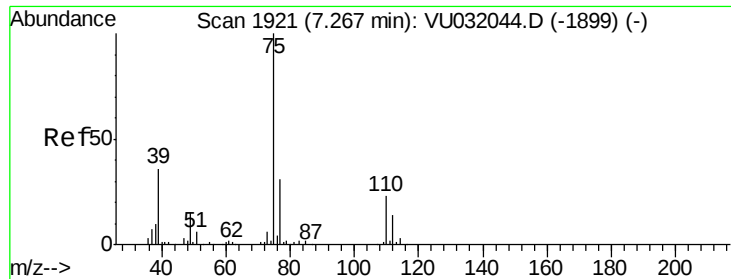
Abundance Ion 82.95 (82.65 to 83.65): VU032047.D (-1761) (-)

Ion 85.00 (84.70 to 85.70): VU032047.D (-1761) (-)

Ion 126.90 (126.60 to 127.60): VU032047.D (-1761) (-)

6.76

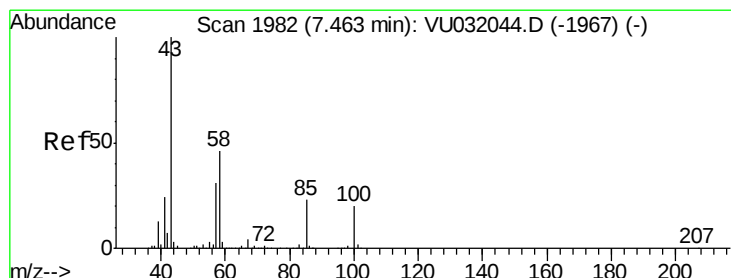
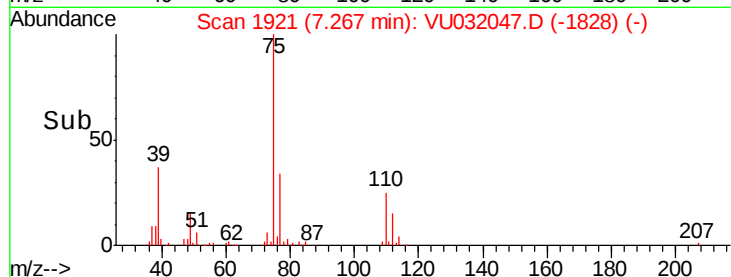
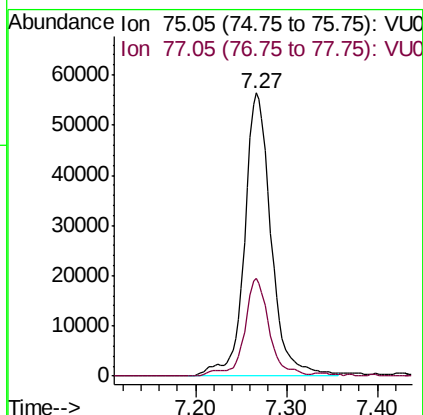
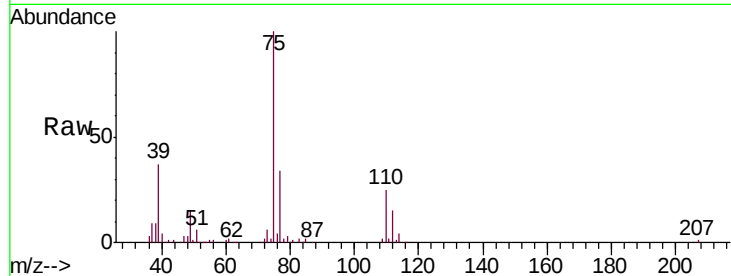
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 5.203 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

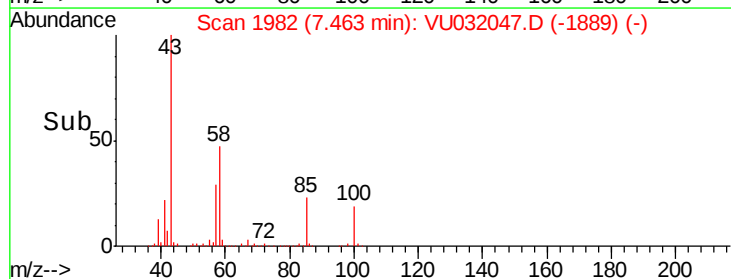
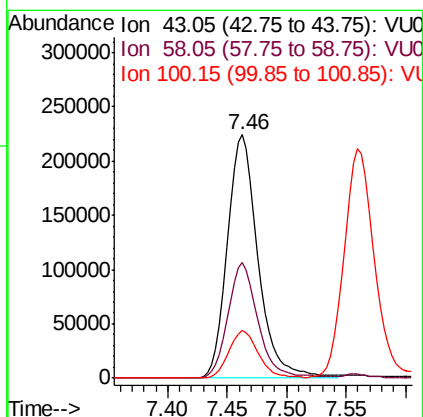
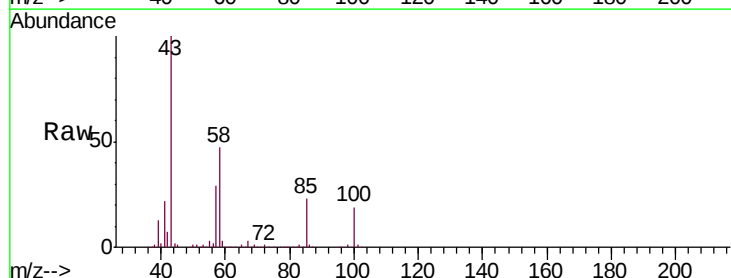
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV11

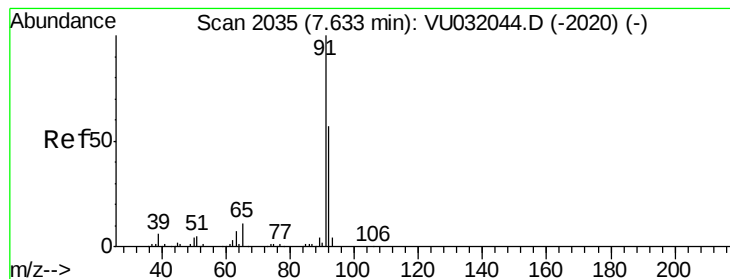
Tgt Ion: 75 Resp: 114613
 Ion Ratio Lower Upper
 75 100
 77 34.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 54.381 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

Tgt Ion: 43 Resp: 401603
 Ion Ratio Lower Upper
 43 100
 58 46.4 37.3 55.9
 100 19.0 15.5 23.3





#42

Toluene

Concen: 5.394 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

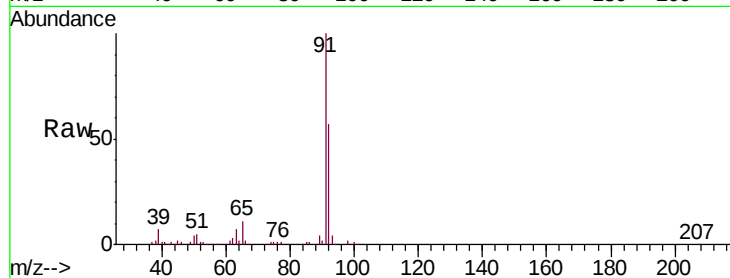
VICV11

Tgt Ion: 91 Resp: 368066

Ion Ratio Lower Upper

91 100

92 56.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032047.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032047.D (-2020) (-)

7.63

200000

150000

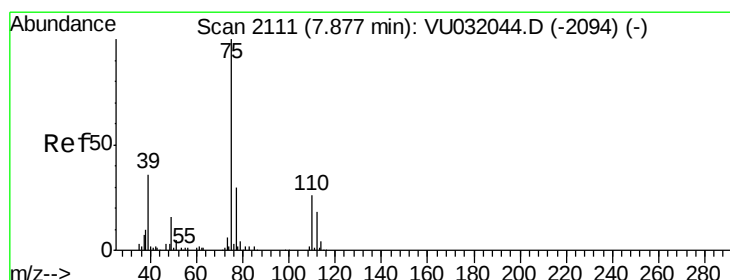
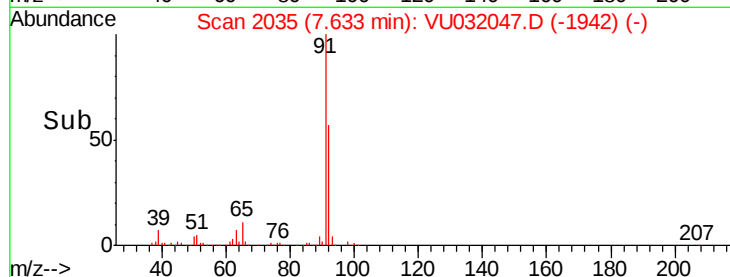
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.435 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032047.D

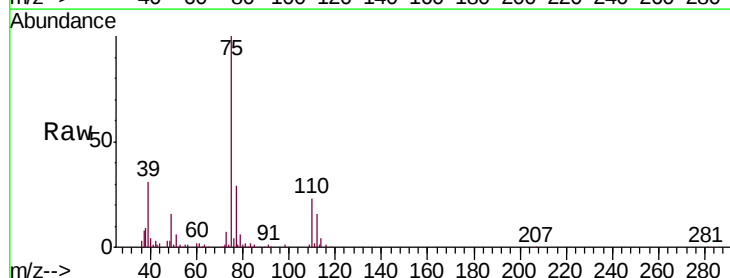
Acq: 16 May 2019 14:18

Tgt Ion: 75 Resp: 93086

Ion Ratio Lower Upper

75 100

77 28.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032047.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032047.D (-2094) (-)

7.88

50000

40000

30000

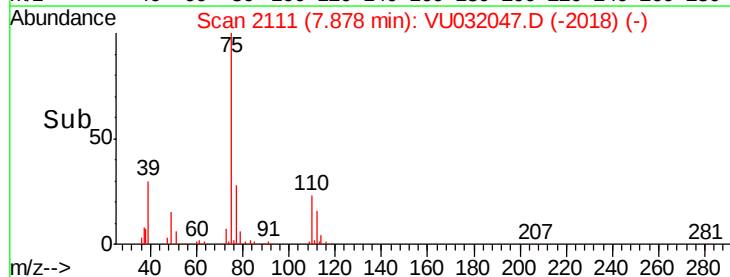
20000

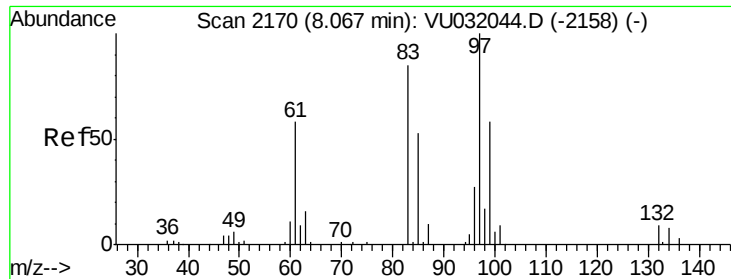
10000

0

7.80 7.90 8.00

Time-->

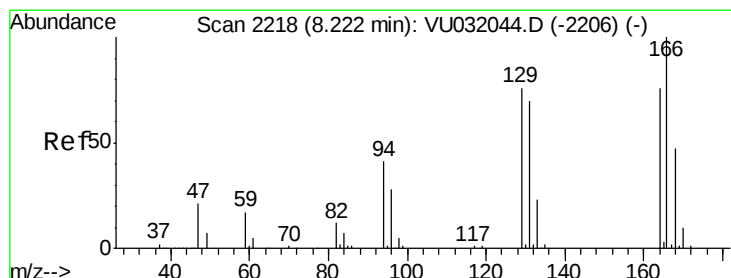
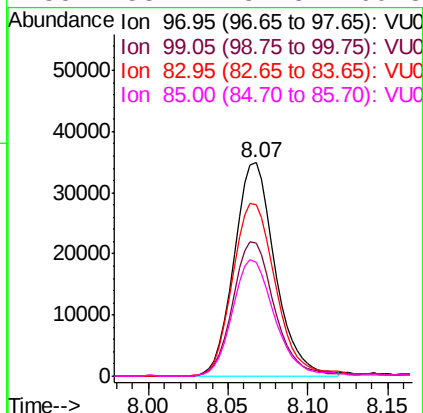
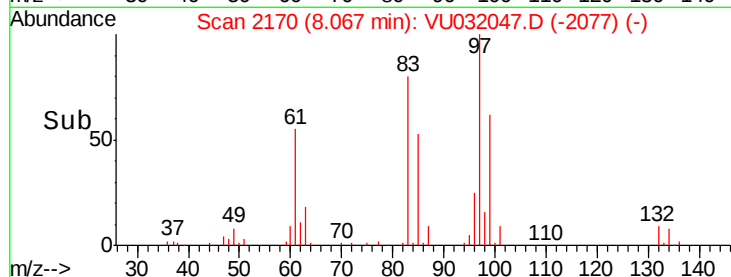
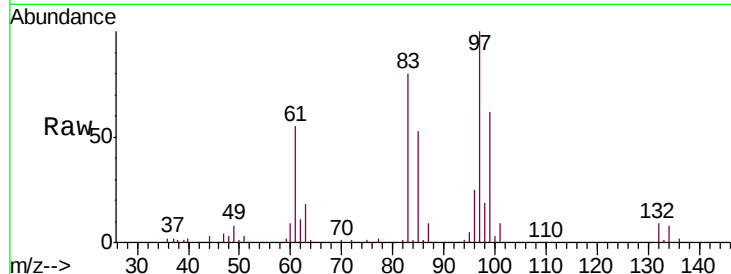




#45
 1,1,2-Trichloroethane
 Concen: 5.190 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

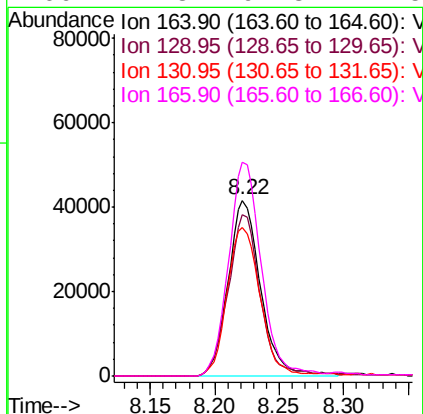
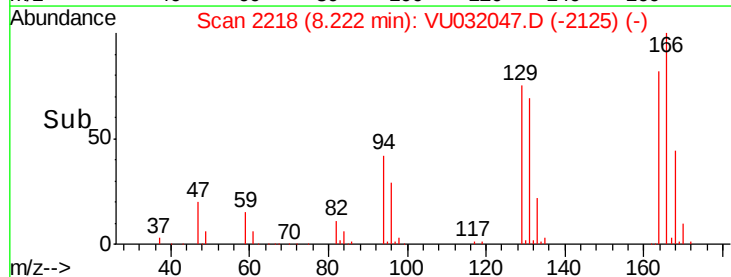
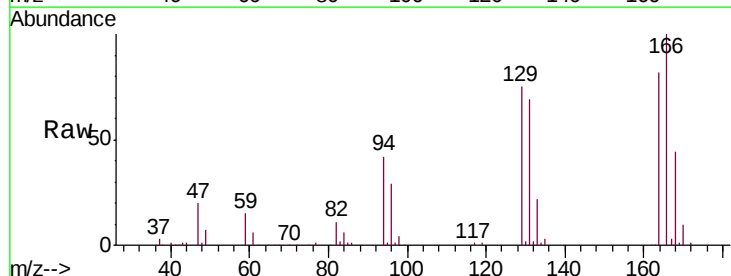
Instrument :
 MSVOA_U
 ClientSampled :
 VICV11

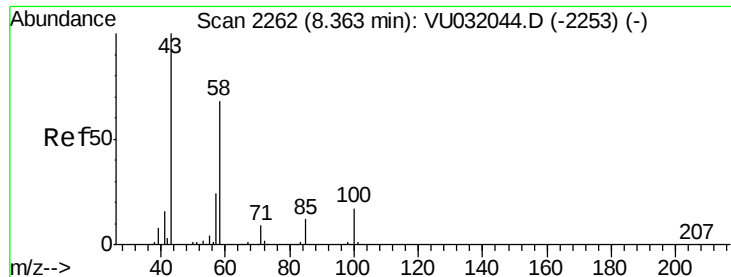
Tgt Ion:	97	Resp:	61071
Ion	Ratio	Lower	Upper
97	100		
99	62.1	40.7	75.7
83	80.5	59.6	110.8
85	53.2	37.3	69.3



#47
 Tetrachloroethene
 Concen: 5.524 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

Tgt Ion:	164	Resp:	72982
Ion	Ratio	Lower	Upper
164	100		
129	91.8	70.3	130.5
131	84.3	64.5	119.9
166	121.8	92.3	171.5

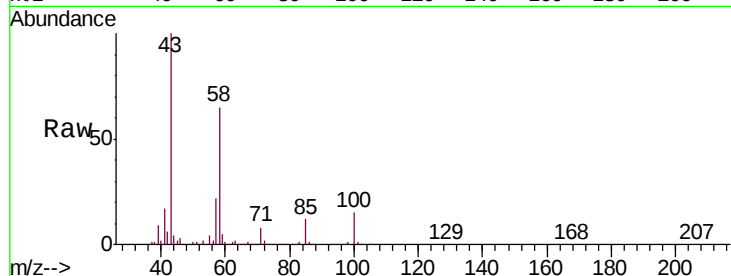




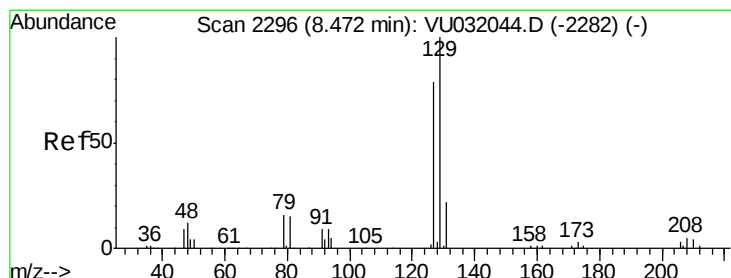
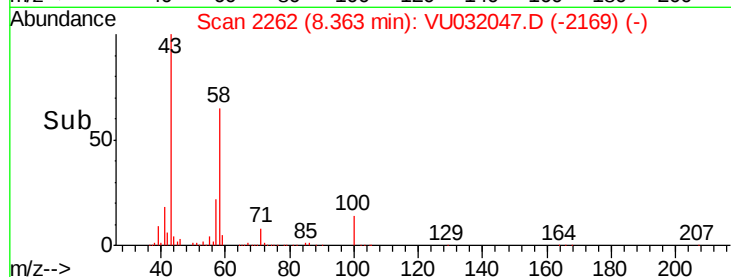
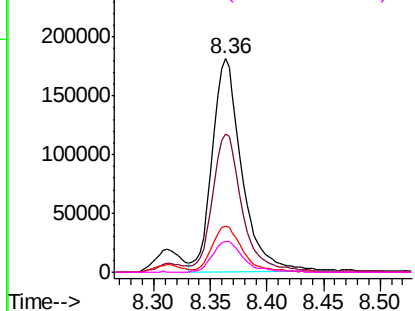
#48
2-Hexanone
Concen: 56.808 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Instrument :
MSVOA_U
ClientSampled :
VICV11

Tgt Ion: 43 Resp: 325412
Ion Ratio Lower Upper
43 100
58 64.3 51.6 77.4
57 21.9 18.4 27.6
100 14.9 12.2 18.4

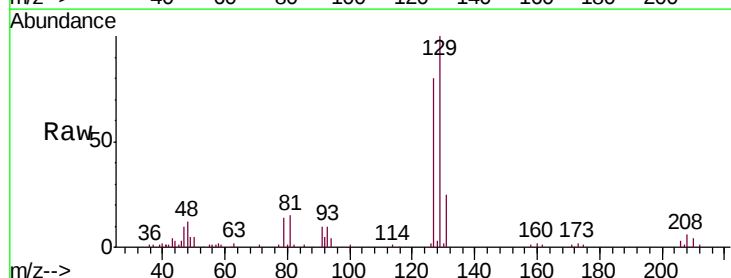


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

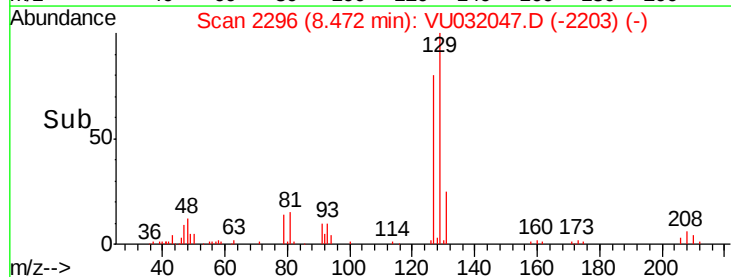
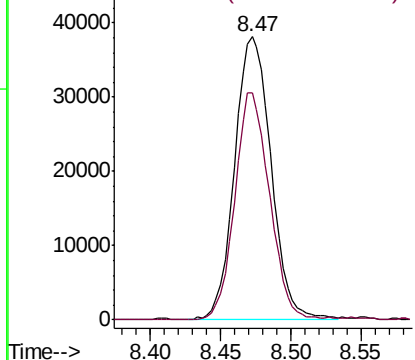


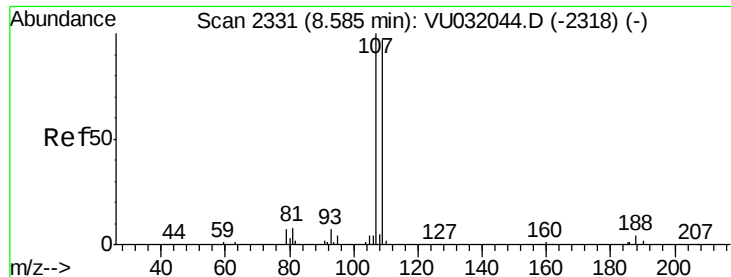
#49
Dibromochloromethane
Concen: 5.115 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion: 129 Resp: 69375
Ion Ratio Lower Upper
129 100
127 80.3 55.2 102.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.117 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

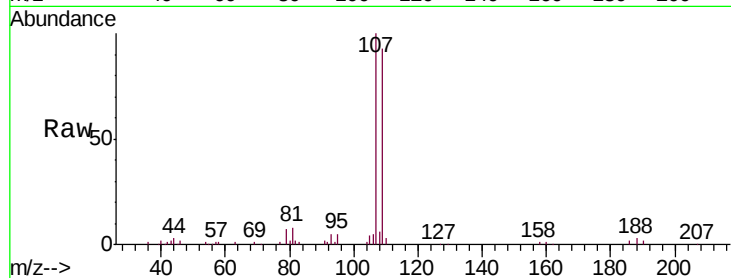
Tgt Ion:107 Resp: 57704

Ion Ratio Lower Upper

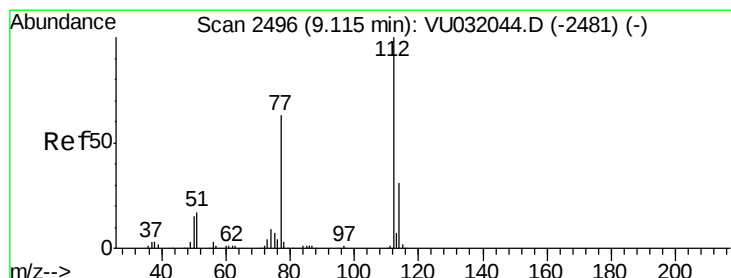
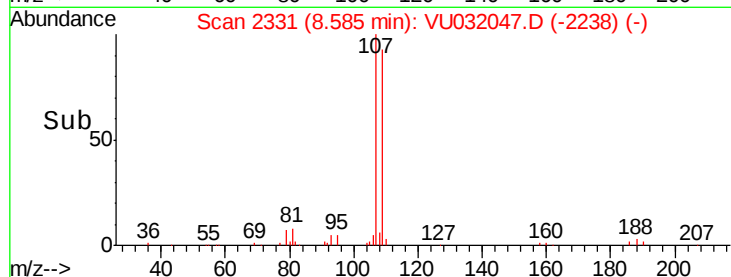
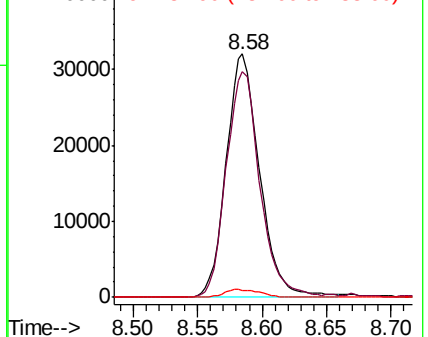
107 100

109 92.9 67.8 125.8

188 3.0 3.5 5.3#



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



#51

Chlorobenzene

Concen: 5.289 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

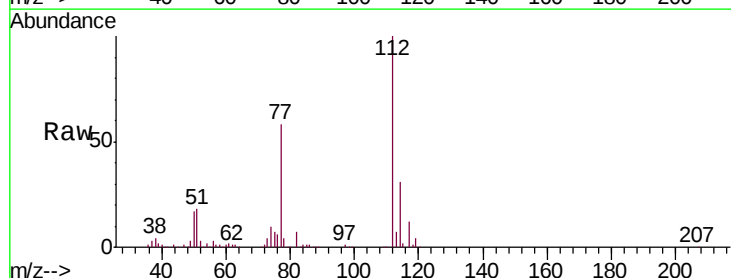
Tgt Ion:112 Resp: 227972

Ion Ratio Lower Upper

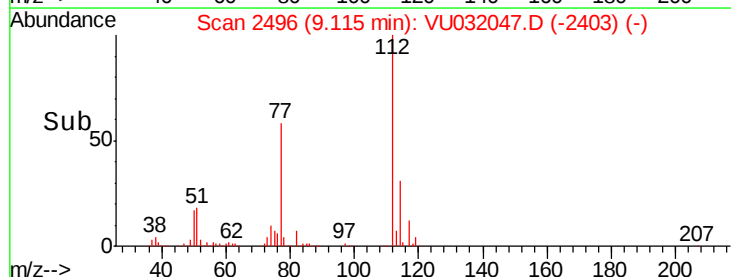
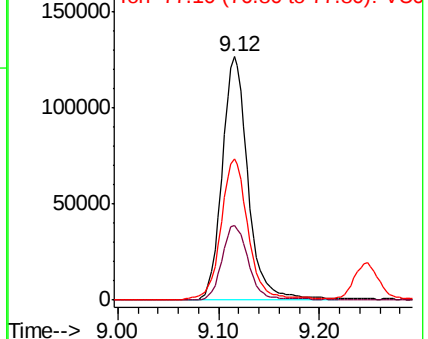
112 100

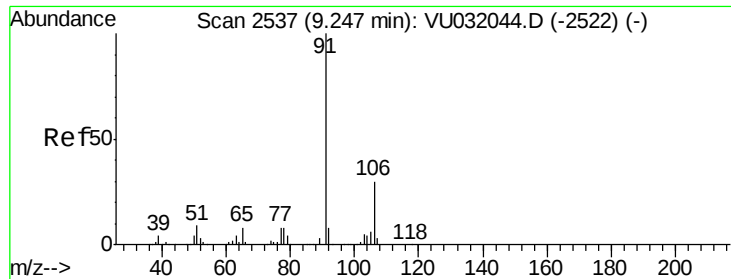
114 30.8 21.6 40.2

77 58.0 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.387 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

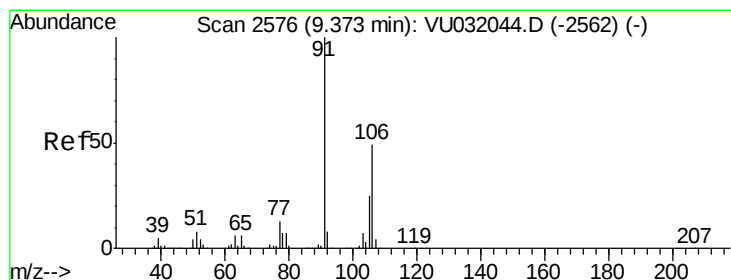
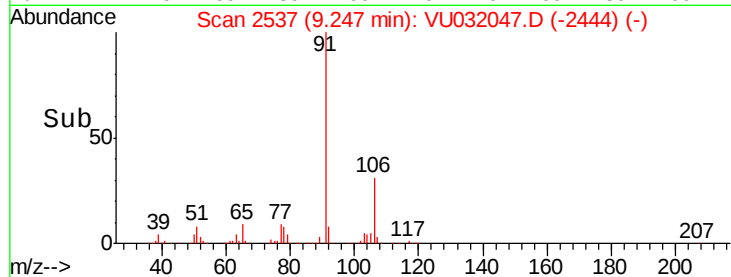
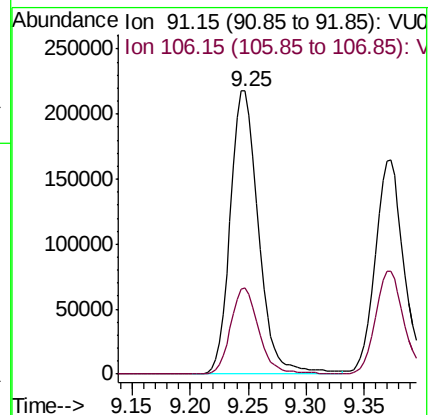
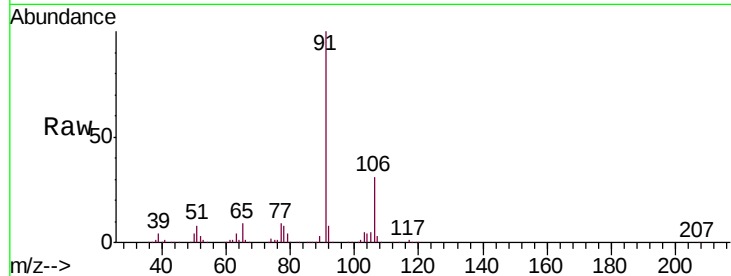
VICV11

Tgt Ion: 91 Resp: 368768

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 5.163 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032047.D

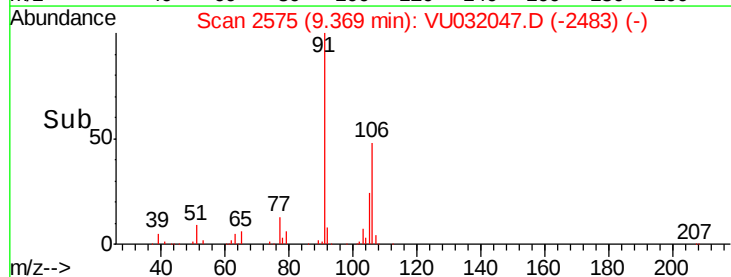
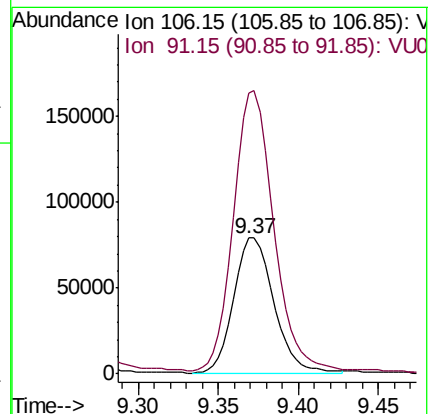
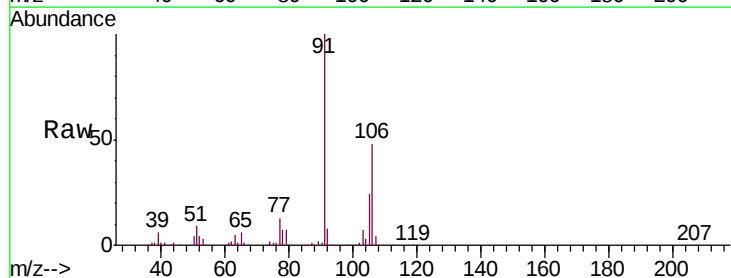
Acq: 16 May 2019 14:18

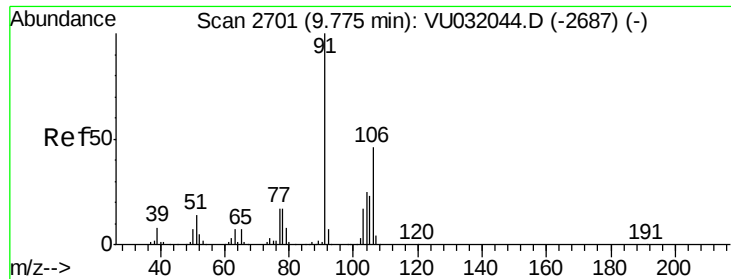
Tgt Ion: 106 Resp: 134260

Ion Ratio Lower Upper

106 100

91 207.1 143.1 265.9

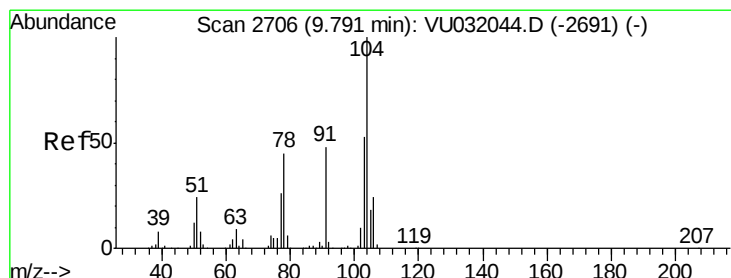
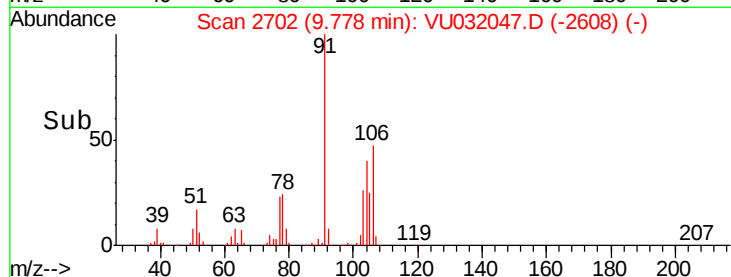
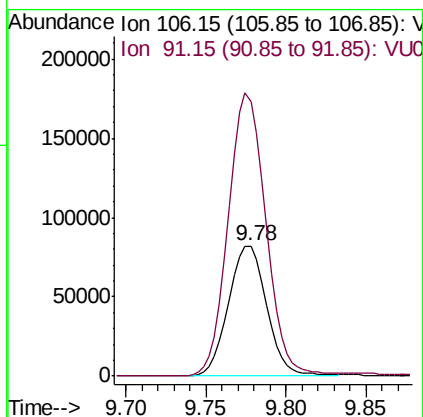
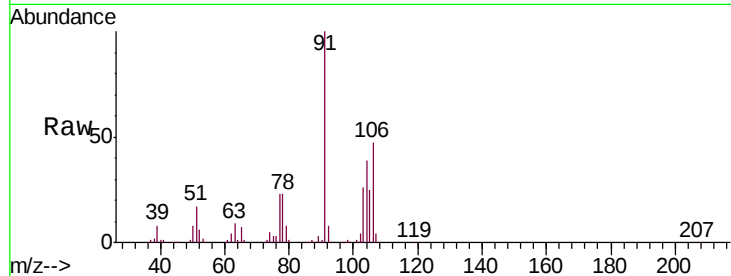




#54
o-Xylene
Concen: 5.342 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

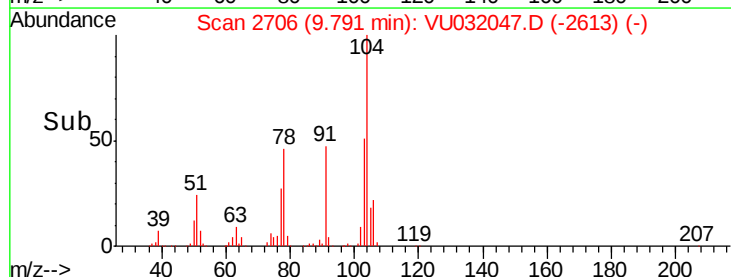
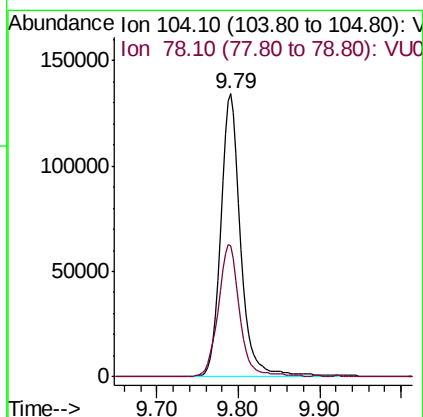
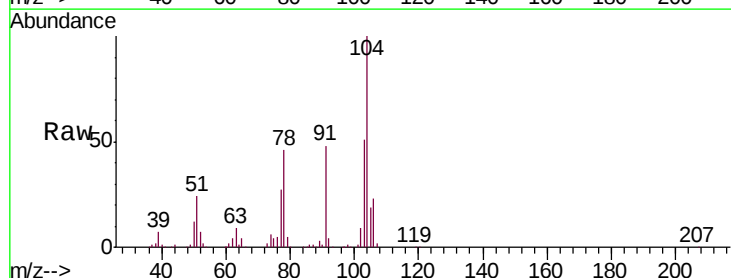
Instrument :
MSVOA_U
ClientSampled :
VICV11

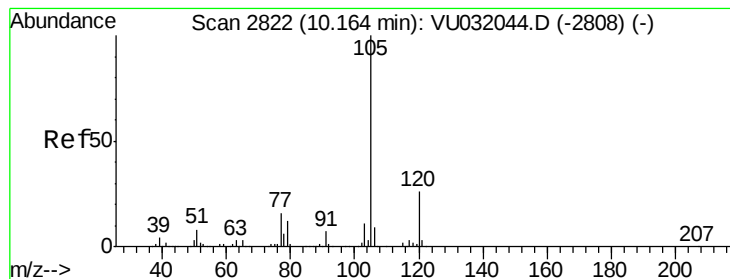
Tgt Ion:106 Resp: 133909
Ion Ratio Lower Upper
106 100
91 211.0 152.9 283.9



#55
Styrene
Concen: 5.481 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU032047.D
Acq: 16 May 2019 14:18

Tgt Ion:104 Resp: 232965
Ion Ratio Lower Upper
104 100
78 46.2 31.2 58.0





#56

Isopropylbenzene

Concen: 5.360 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampled :

VICV11

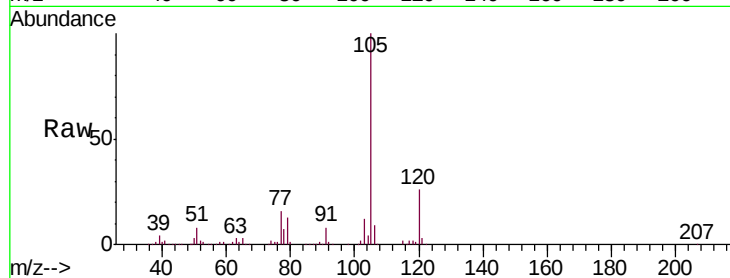
Tgt Ion:105 Resp: 343374

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

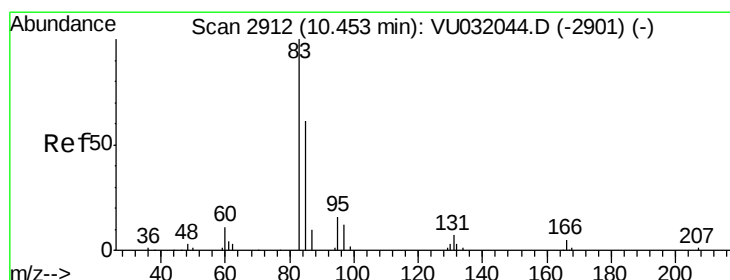
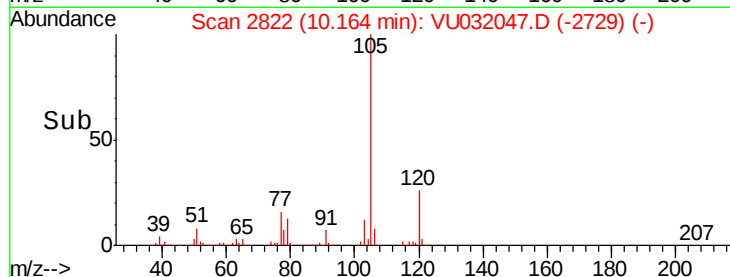
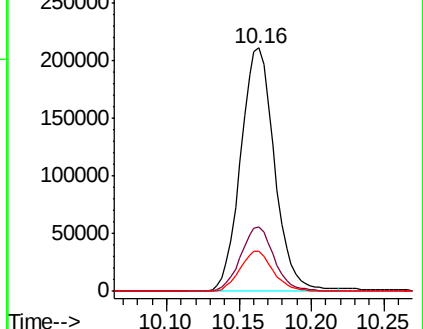
77 16.3 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.983 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

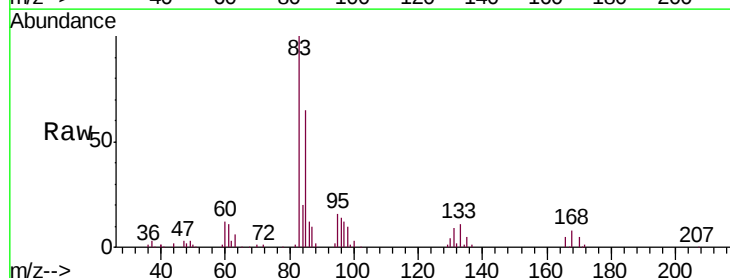
Tgt Ion: 83 Resp: 73160

Ion Ratio Lower Upper

83 100

85 65.4 44.3 82.3

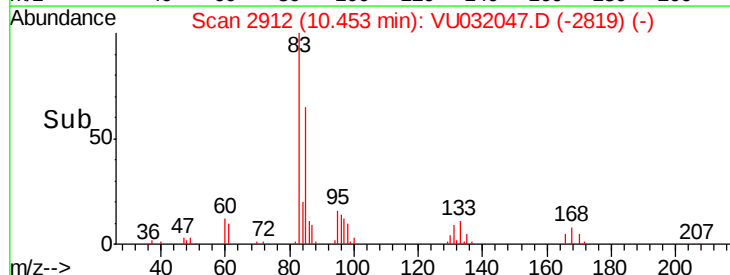
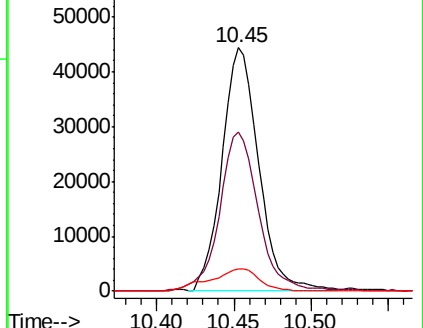
131 9.0 7.4 11.2

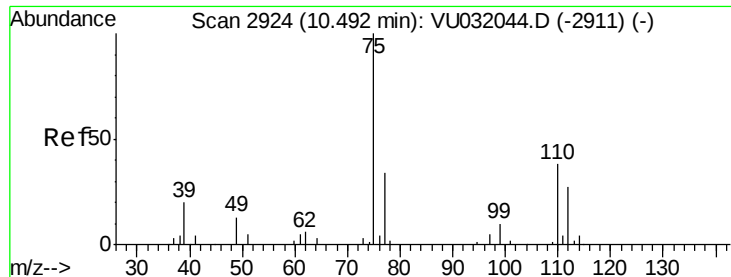


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

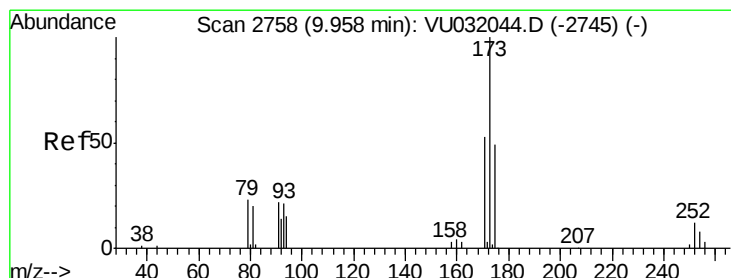
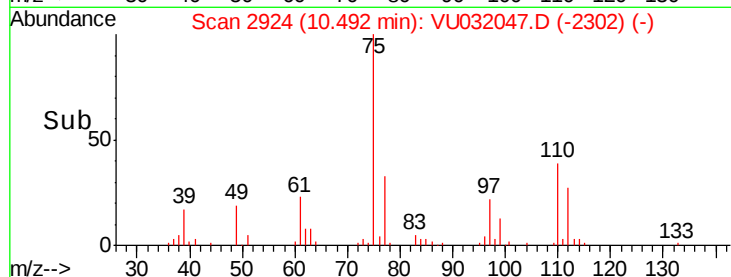
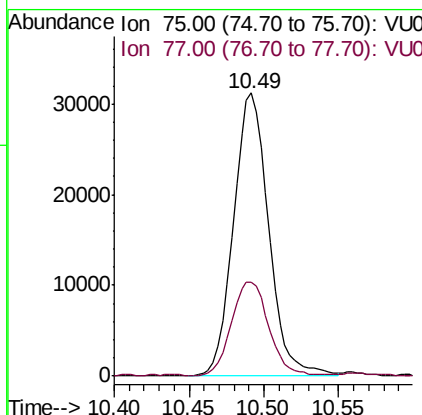
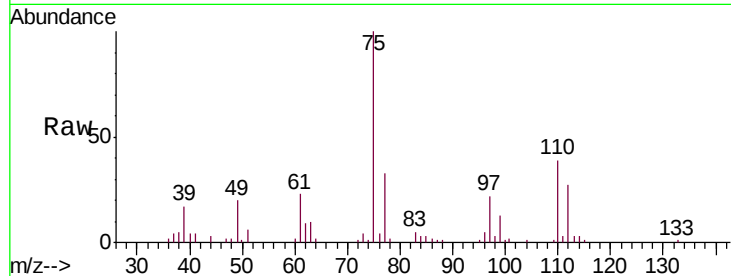




#59
 1,2,3-Trichloropropane
 Concen: 5.056 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

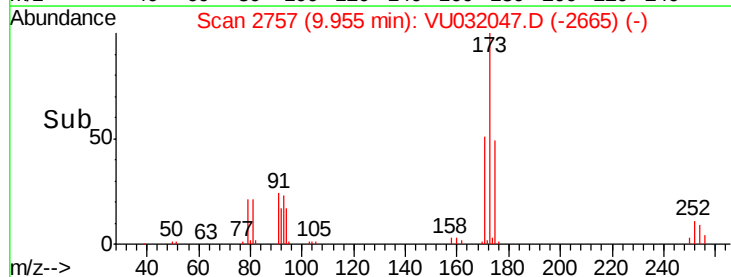
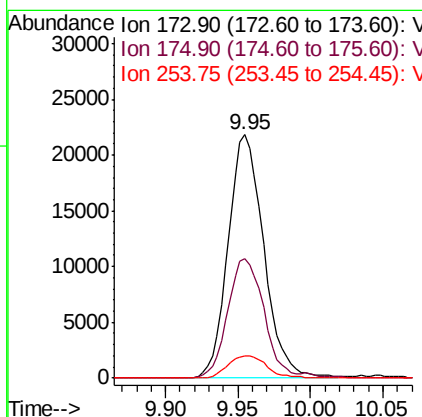
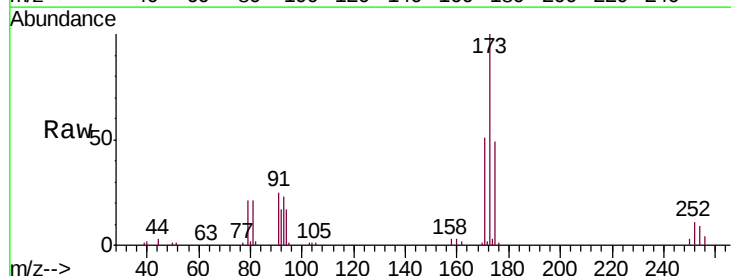
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV11

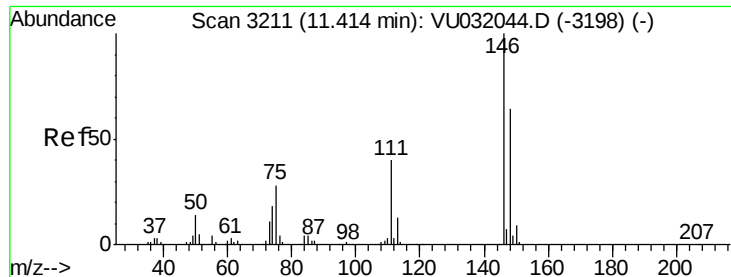
Tgt Ion: 75 Resp: 51158
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.2 39.2



#61
 Bromoform
 Concen: 5.009 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

Tgt Ion: 173 Resp: 37346
 Ion Ratio Lower Upper
 173 100
 175 50.5 38.0 57.0
 254 9.9 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 5.350 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

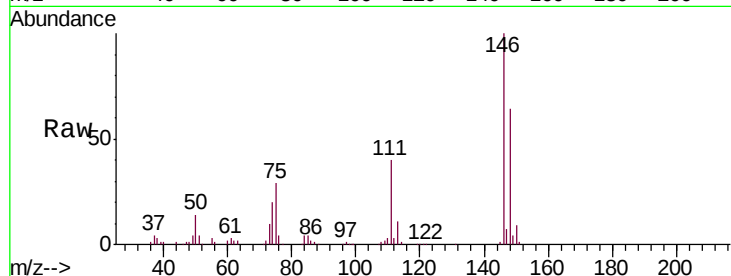
Tgt Ion:146 Resp: 165612

Ion Ratio Lower Upper

146 100

111 40.2 27.7 51.5

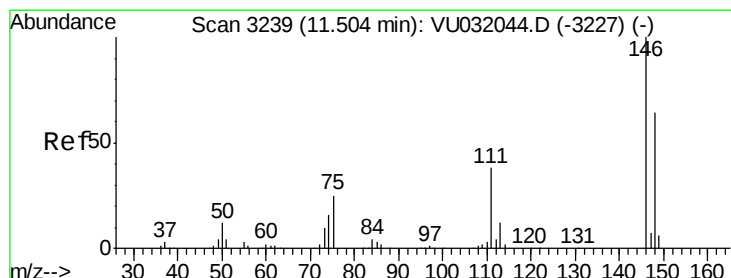
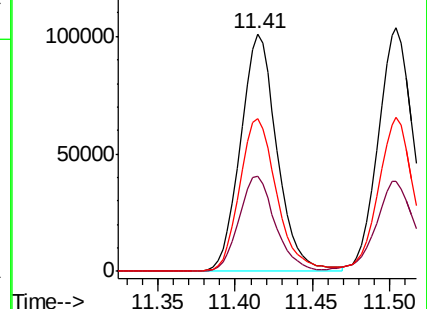
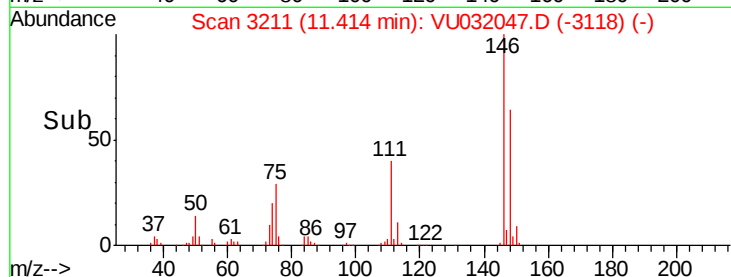
148 64.4 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.339 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

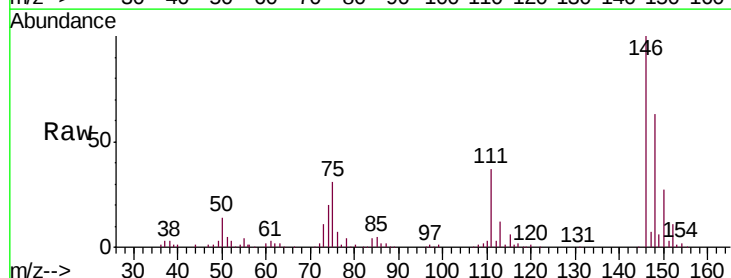
Tgt Ion:146 Resp: 172000

Ion Ratio Lower Upper

146 100

111 37.0 27.1 50.3

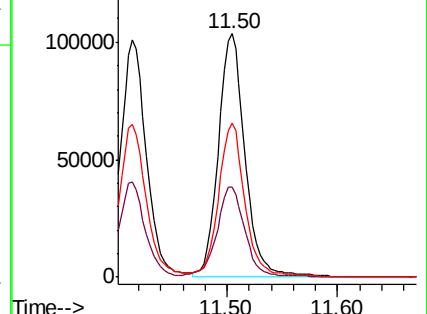
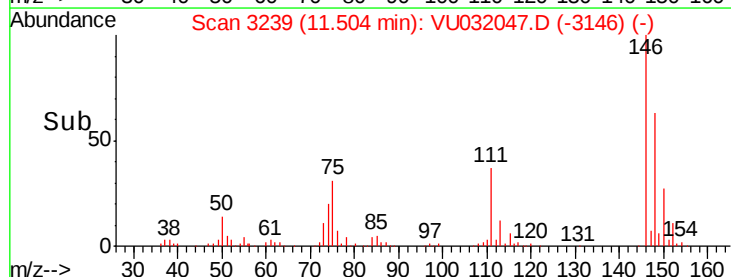
148 63.4 45.4 84.4

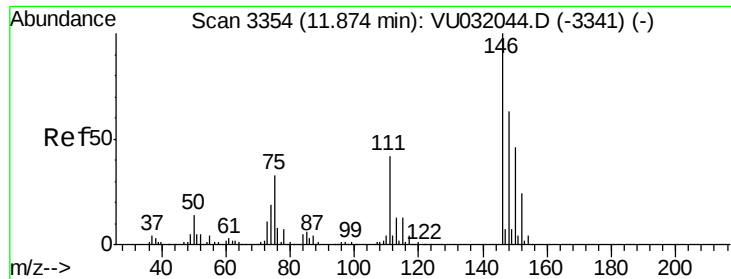


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.362 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

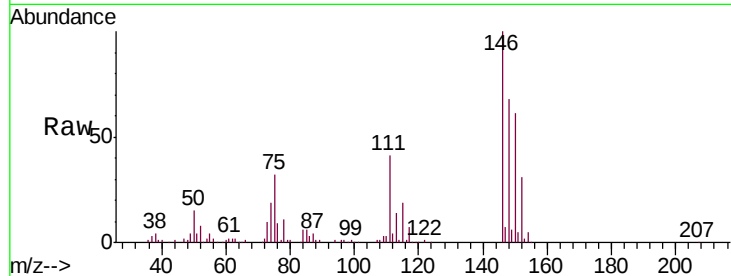
Tgt Ion:146 Resp: 168407

Ion Ratio Lower Upper

146 100

111 41.3 33.5 50.3

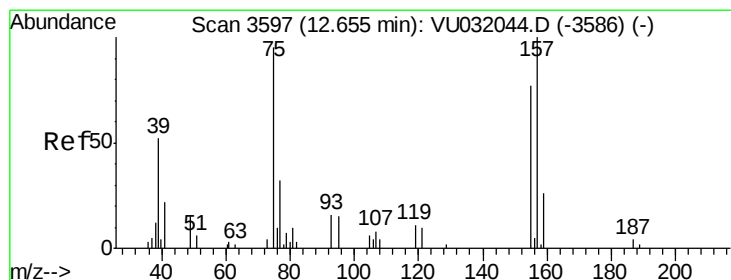
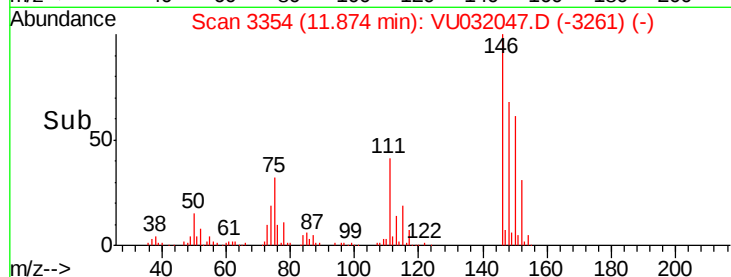
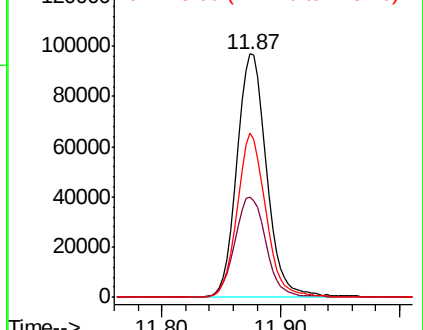
148 67.5 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.698 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

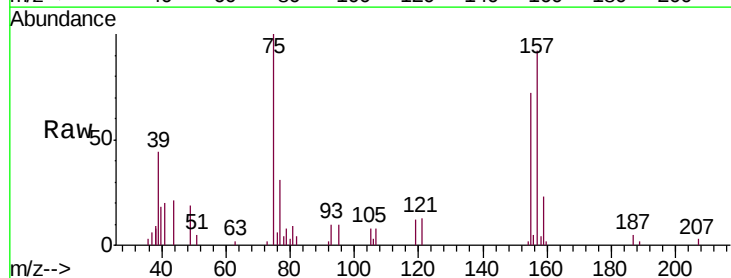
Tgt Ion: 75 Resp: 11679

Ion Ratio Lower Upper

75 100

155 72.4 65.0 97.6

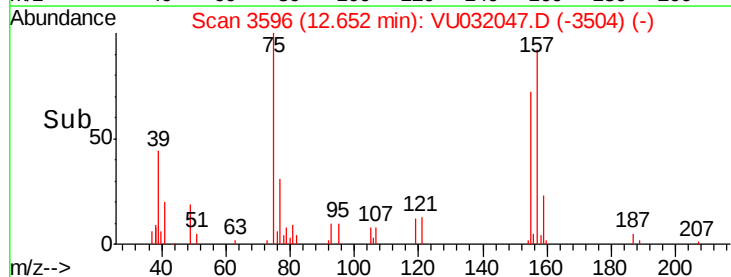
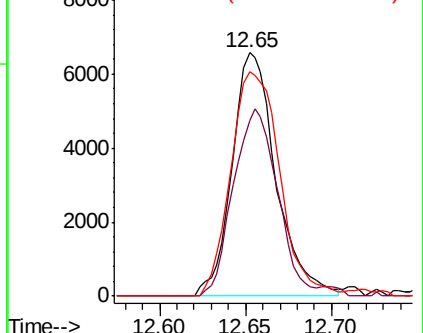
157 92.4 84.3 126.5

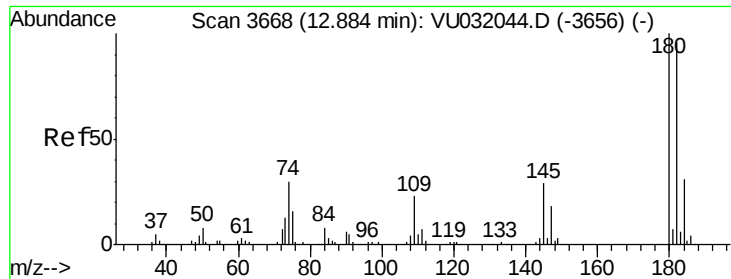


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

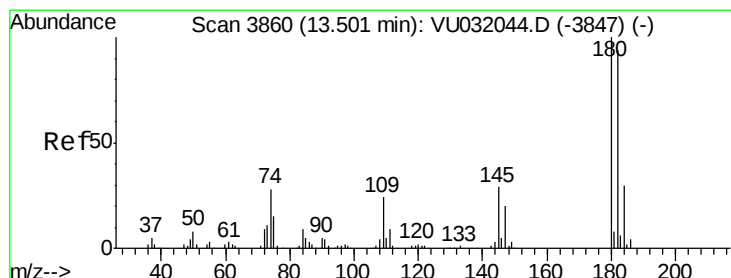
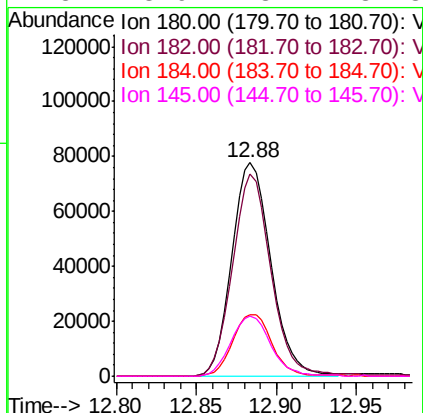
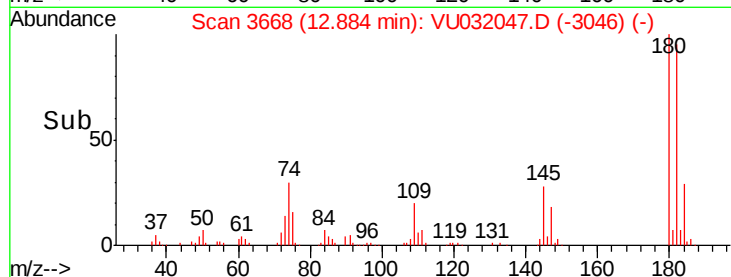
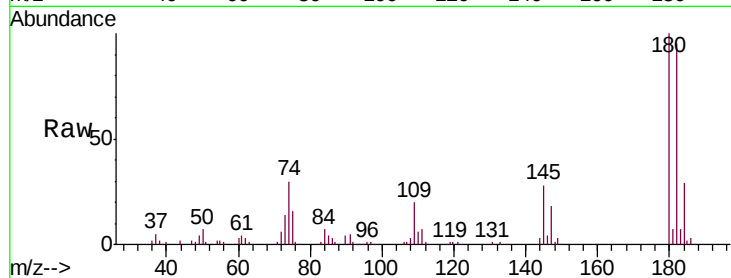




#67
 1,3,5-Trichlorobenzene
 Concen: 5.617 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

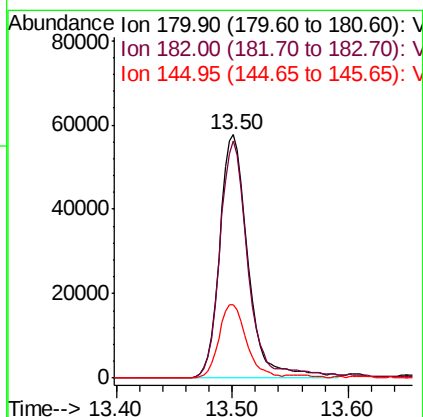
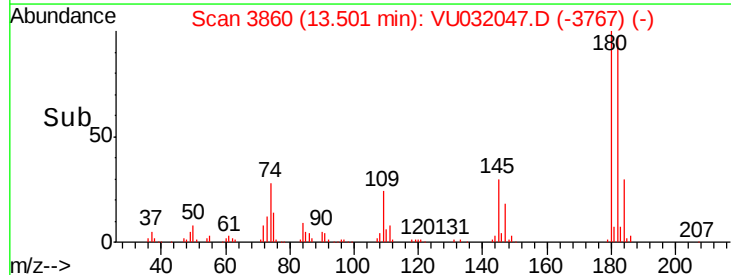
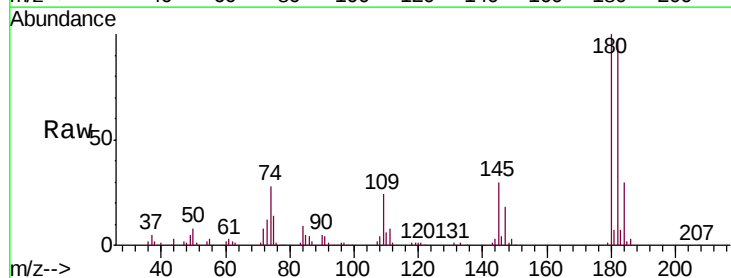
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV11

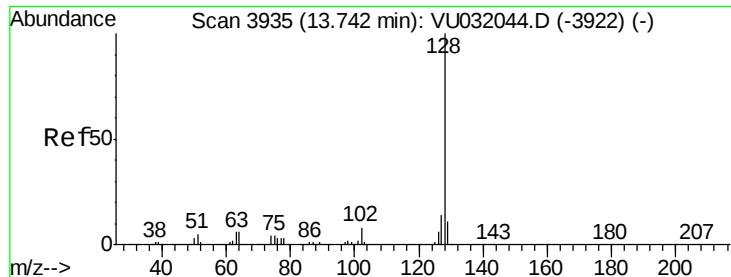
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.3	115.9
184	28.9	24.5	36.7
145	28.9	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 6.177 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032047.D
 Acq: 16 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.4	117.6
145	29.4	23.5	35.3





#69

Naphthalene

Concen: 6.455 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VICV11

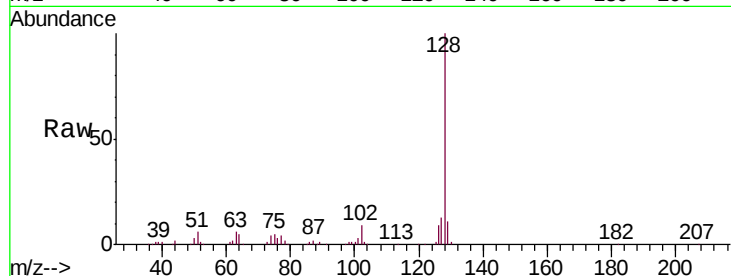
Tgt Ion:128 Resp: 159918

Ion Ratio Lower Upper

128 100

129 10.2 8.0 12.0

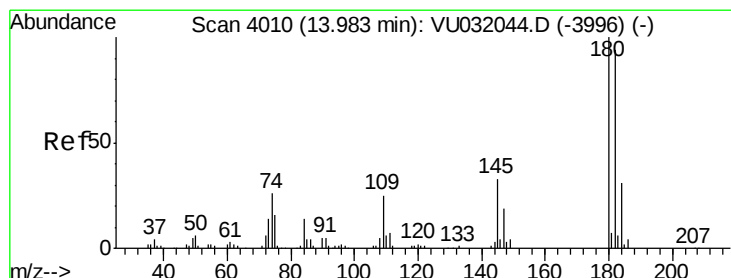
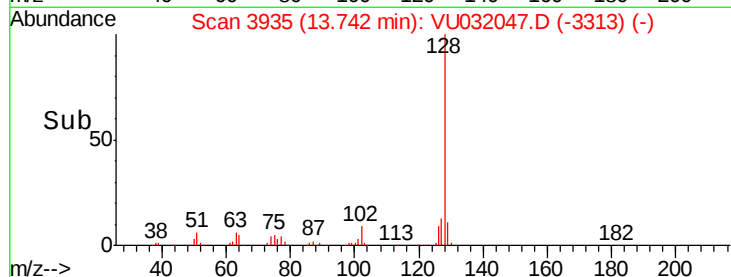
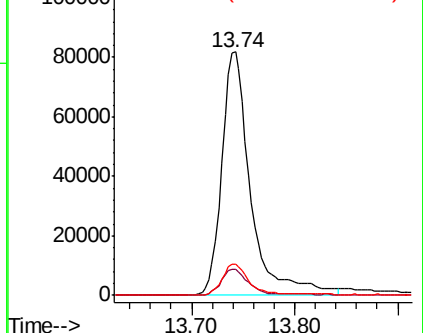
127 11.6 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.052 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032047.D

Acq: 16 May 2019 14:18

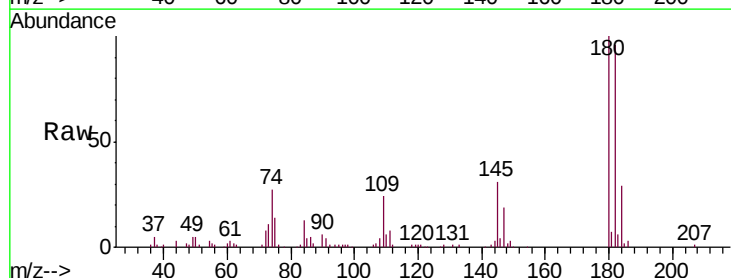
Tgt Ion:180 Resp: 97851

Ion Ratio Lower Upper

180 100

182 96.5 75.3 112.9

145 31.2 25.2 37.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

