

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120219\
 Data File : VU035937.D
 Acq On : 02 Dec 2019 16:33
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 02 18:09:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 30 03:20:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	244064	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	280643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	133594	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.93	69	136241	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.59	63	225985	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.70	46	402708	54.58	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.16%
24) Chloroform-d	5.11	84	268680	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.75	65	142842	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.77	84	505102	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.73	67	168354	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.93	98	466747	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.21	79	65431	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.68	63	329330	58.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	152400	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	166735	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	138671	4.193	ug/L	98
3) Chloromethane	1.54	50	161651	3.970	ug/L	98
5) Vinyl chloride	1.62	62	173566	4.259	ug/L	97
6) Bromomethane	1.87	94	94899	4.530	ug/L	99
8) Chloroethane	1.95	64	111579	4.732	ug/L	98
9) Trichlorofluoromethane	2.16	101	219126	4.630	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	121111	4.505	ug/L	91
12) 1,1-Dichloroethene	2.61	96	107907	4.249	ug/L	85
13) Acetone	2.68	43	256053	39.513	ug/L	97
14) Carbon disulfide	2.82	76	323352	3.834	ug/L	100
15) Methyl Acetate	3.00	43	56516	4.350	ug/L	98
16) Methylene chloride	3.08	84	155305	5.062	ug/L	93
17) Methyl tert-butyl Ether	3.42	73	270320	4.399	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	113446	4.537	ug/L	94
19) 1,1-Dichloroethane	3.92	63	246786	4.393	ug/L	99
21) 2-Butanone	4.78	43	395163	48.190	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	128907	4.626	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

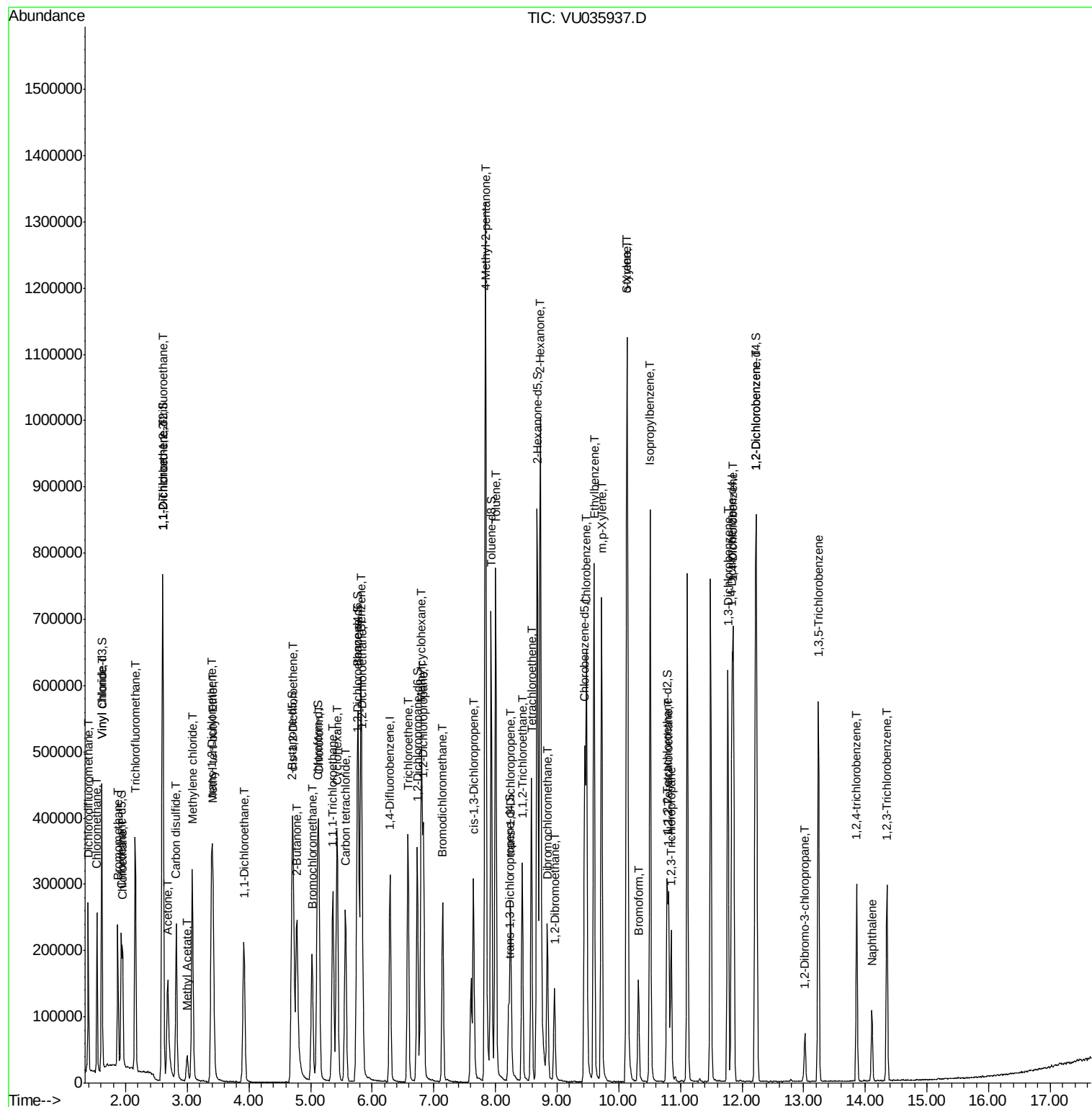
23) Bromochloromethane	5.02	128	60896	5.016	ug/L	90
25) Chloroform	5.13	83	255858	4.680	ug/L	100
27) 1,2-Dichloroethane	5.84	62	157106	4.369	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	206441	4.555	ug/L	97
30) Cyclohexane	5.43	56	173212	3.911	ug/L	95
31) Carbon tetrachloride	5.57	117	174822	4.455	ug/L	98
33) Benzene	5.82	78	539719	4.607	ug/L	100
34) Trichloroethene	6.58	95	129504	4.509	ug/L	95
35) Methylcyclohexane	6.80	83	173062	4.106	ug/L	96
37) 1,2-Dichloropropane	6.83	63	144622	4.353	ug/L #	97
38) Bromodichloromethane	7.14	83	180790	4.540	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	185473	4.312	ug/L	95
40) 4-Methyl-2-pentanone	7.84	43	891626	43.712	ug/L	97
42) Toluene	8.00	91	568068	4.661	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	159149	4.462	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	103314	4.772	ug/L	99
47) Tetrachloroethene	8.58	164	104441	4.779	ug/L	95
48) 2-Hexanone	8.73	43	689255	45.897	ug/L #	93
49) Dibromochloromethane	8.84	129	122394	4.792	ug/L	96
50) 1,2-Dibromoethane	8.96	107	94364	4.763	ug/L	94
51) Chlorobenzene	9.48	112	341033	4.518	ug/L	99
52) Ethylbenzene	9.60	91	548548	4.353	ug/L	100
53) m,p-Xylene	9.72	106	207967	4.681	ug/L	94
54) o-Xylene	10.13	106	199955	4.634	ug/L	99
55) Styrene	10.14	104	351058	4.906	ug/L	97
56) Isopropylbenzene	10.51	105	529020	4.641	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	134565	4.492	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	98888	4.578	ug/L	99
61) Bromoform	10.32	173	71710	4.491	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	261556	4.585	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	260320	4.635	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	253594	4.660	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	18922	4.202	ug/L	85
67) 1,3,5-Trichlorobenzene	13.24	180	178917	5.219	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	90852	4.612	ug/L	98
69) Naphthalene	14.11	128	82626	2.978	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	91971	4.800	ug/L	98

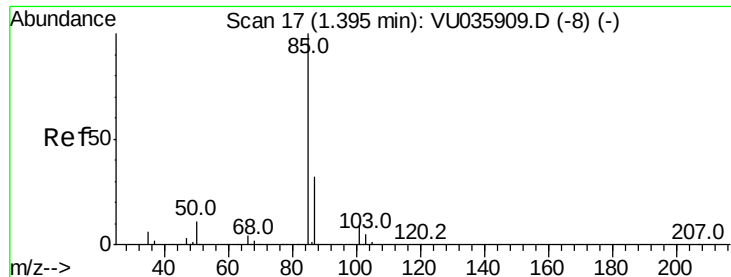
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.193 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

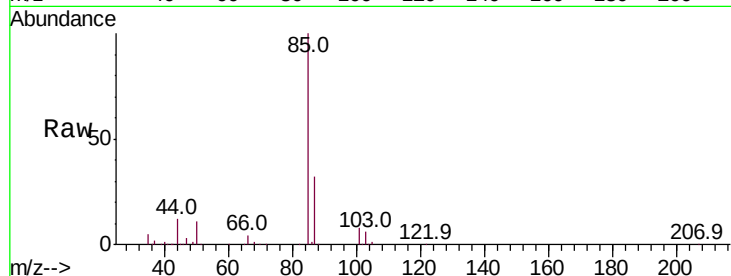
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 138671

Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035909.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035909.D (-8) (-)

1.39

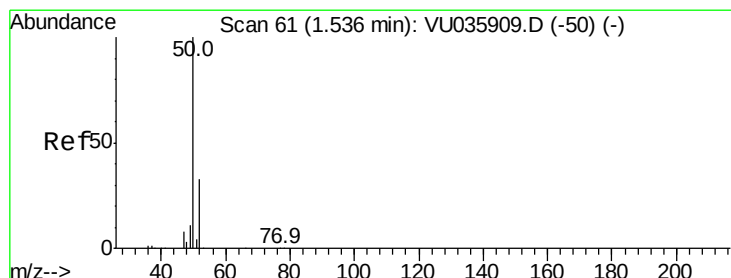
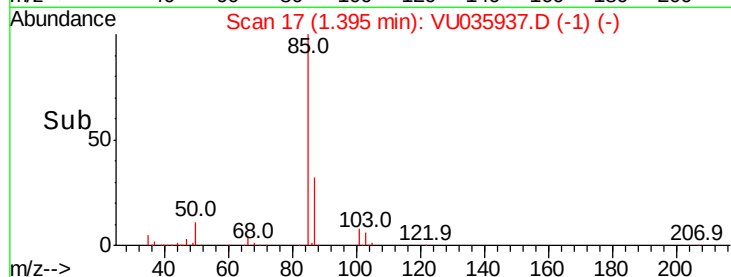
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#3

Chloromethane

Concen: 3.970 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035937.D

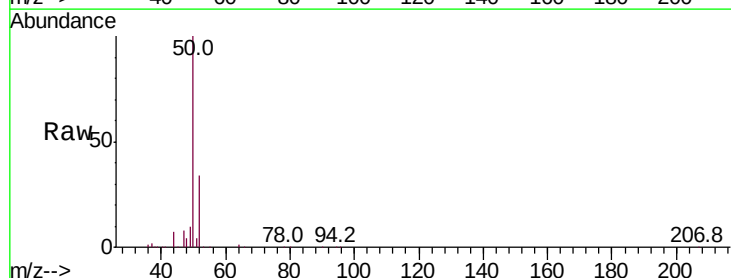
Acq: 02 Dec 2019 16:33

Tgt Ion: 50 Resp: 161651

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035909.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU035909.D (-50) (-)

1.54

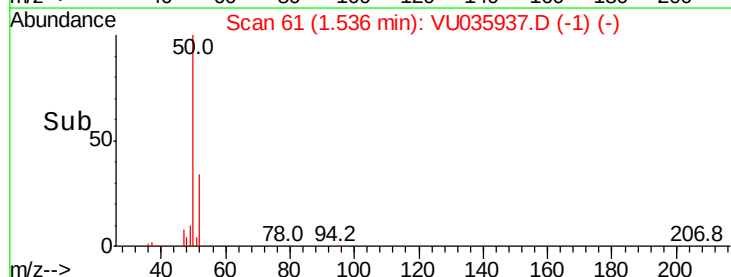
150000

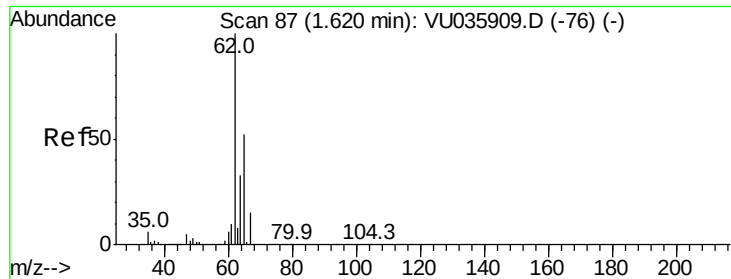
100000

50000

0

Time--> 1.50 1.55 1.60





#5

Vinyl chloride

Concen: 4.259 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

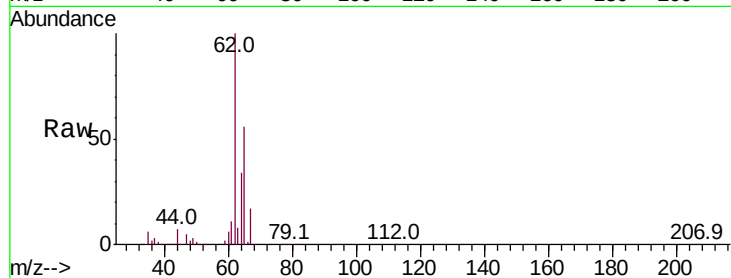
ClientSampleId :

Tot Ion: 62 Resp: 173566

Ion Ratio Lower Upper

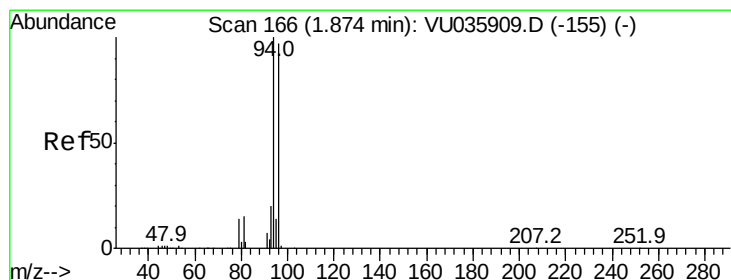
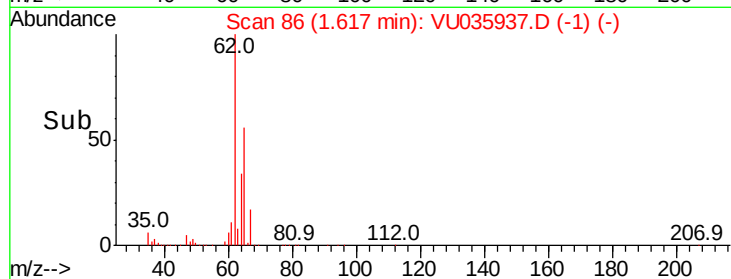
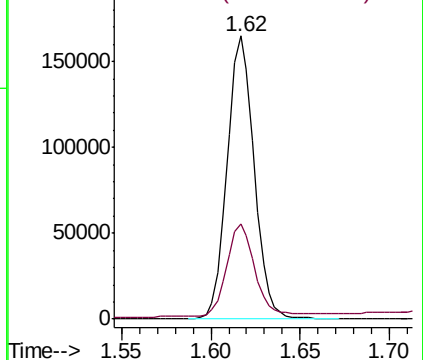
62 100

64 33.8 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035909.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035909.D (-76) (-)



#6

Bromomethane

Concen: 4.530 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035937.D

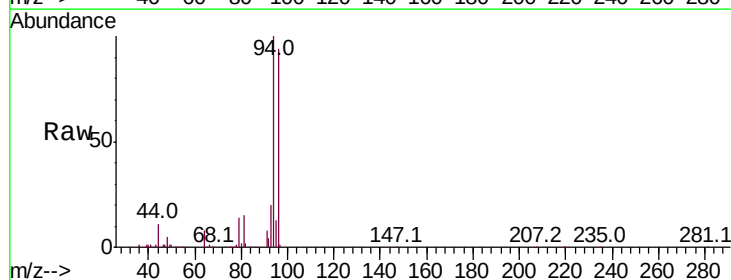
Acq: 02 Dec 2019 16:33

Tgt Ion: 94 Resp: 94899

Ion Ratio Lower Upper

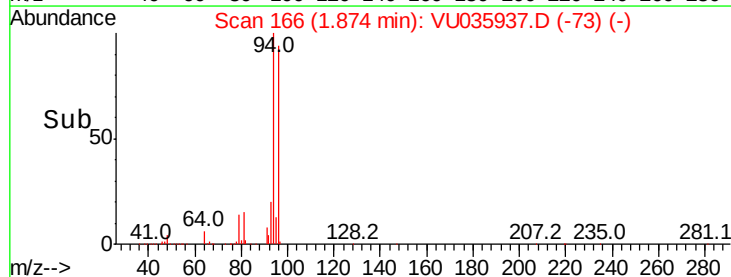
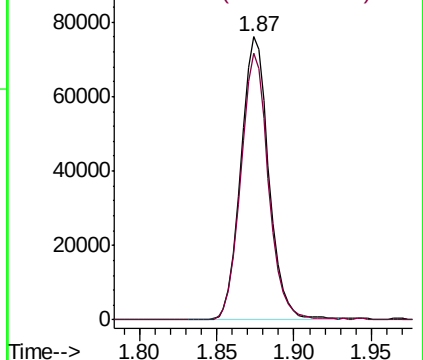
94 100

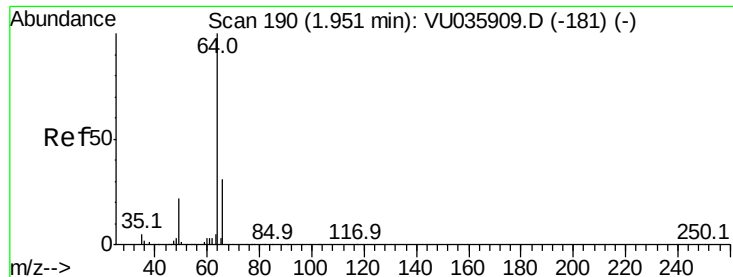
96 94.2 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035909.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035909.D (-155) (-)





#8

Chloroethane

Concen: 4.732 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

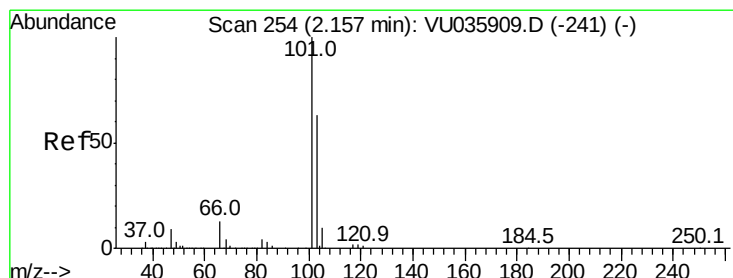
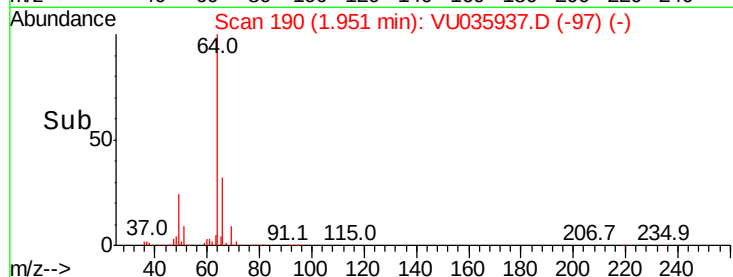
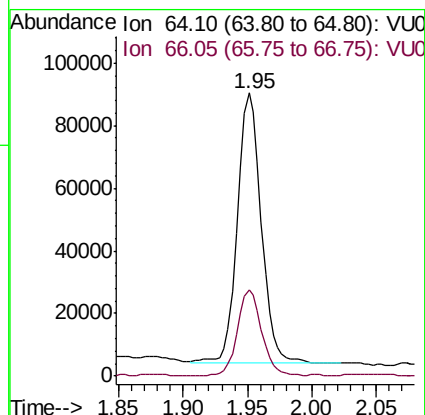
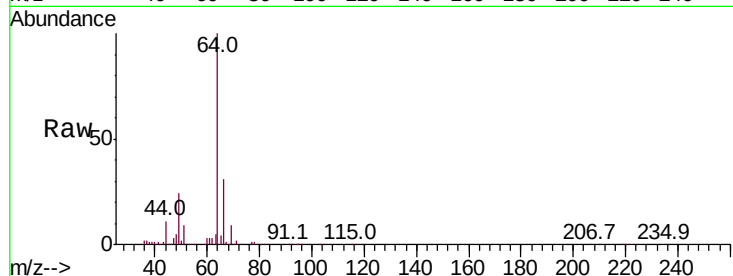
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 111579

Ion Ratio Lower Upper

64 100

66 30.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.630 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035937.D

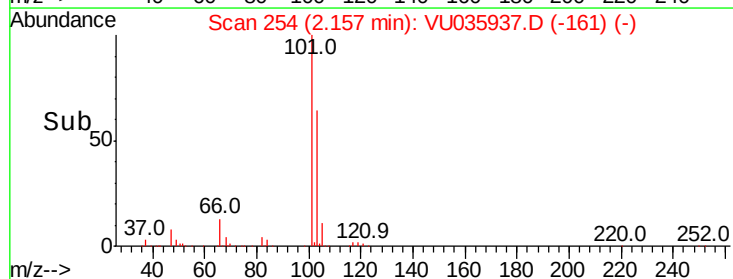
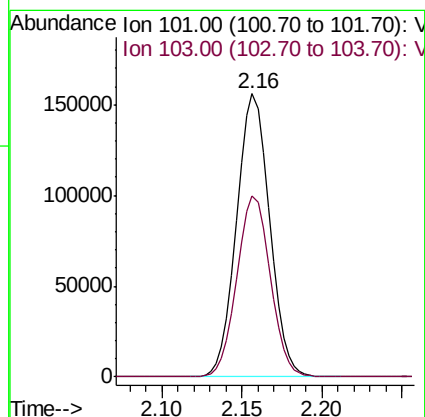
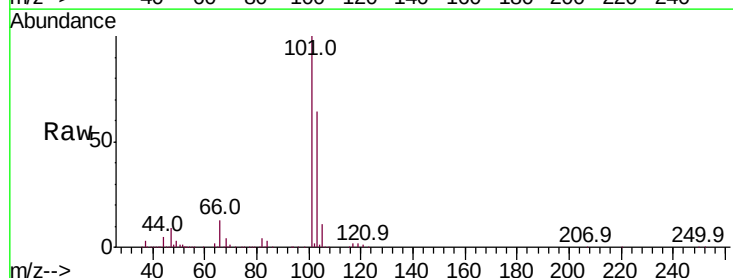
Acq: 02 Dec 2019 16:33

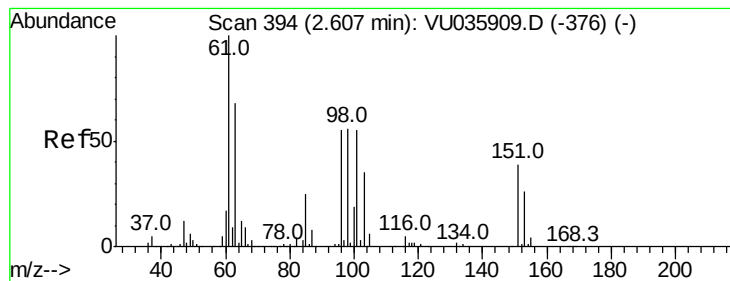
Tgt Ion: 101 Resp: 219126

Ion Ratio Lower Upper

101 100

103 64.8 49.8 74.6





#10

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

Concen: 4.505 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

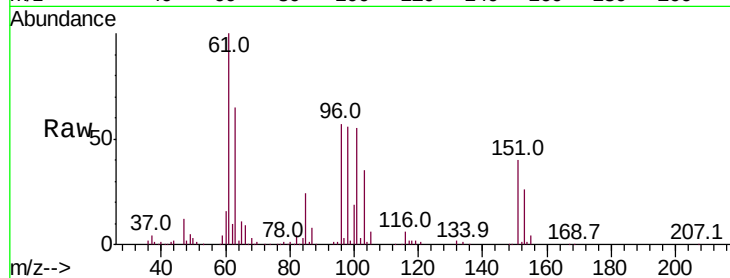
Tot Ion:101 Resp: 121111

Ion Ratio Lower Upper

101 100

85 43.7 38.1 57.1

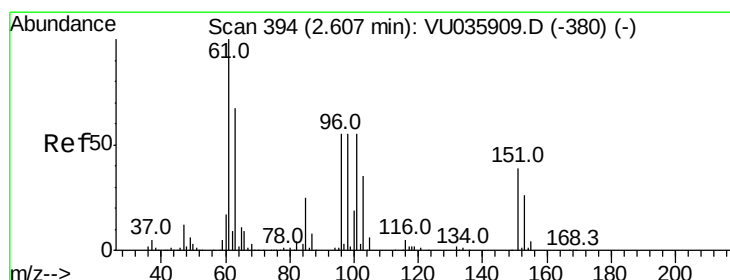
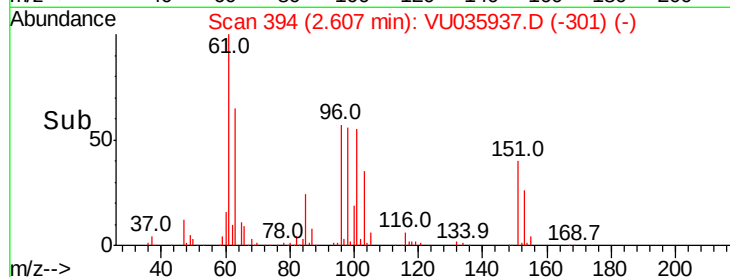
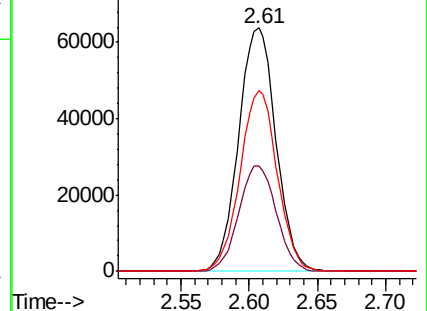
151 74.2 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.249 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

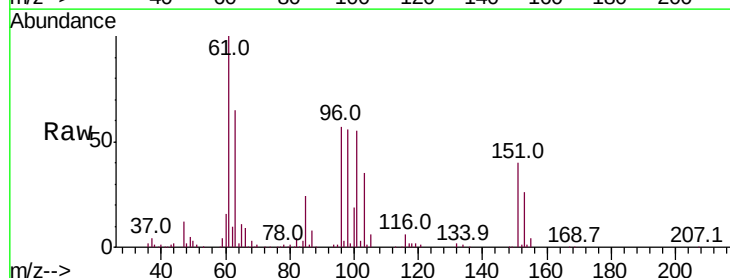
Tgt Ion: 96 Resp: 107907

Ion Ratio Lower Upper

96 100

61 176.2 139.3 258.7

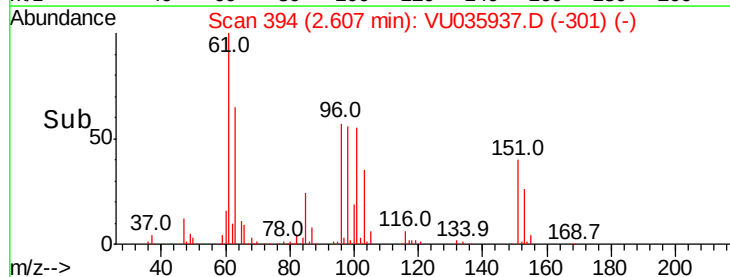
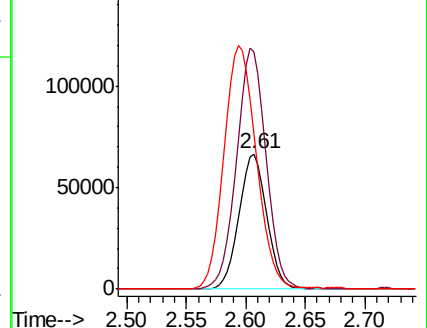
63 115.1 93.7 174.1

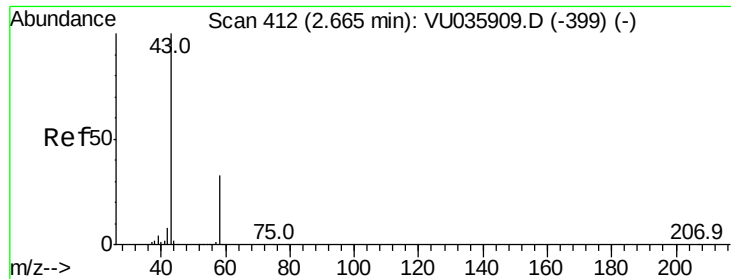


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.513 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

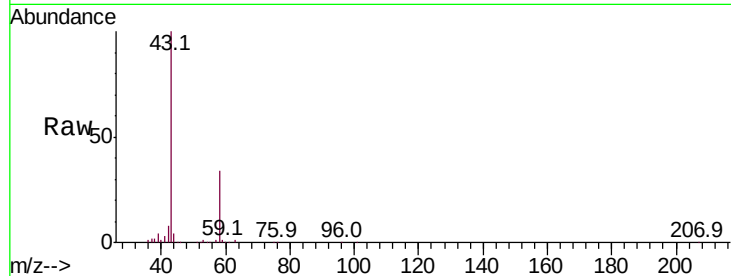
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 256053

Ion Ratio Lower Upper

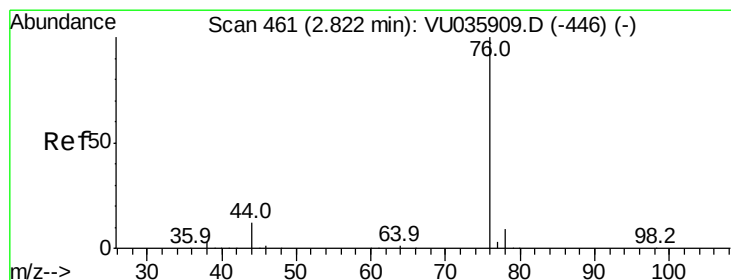
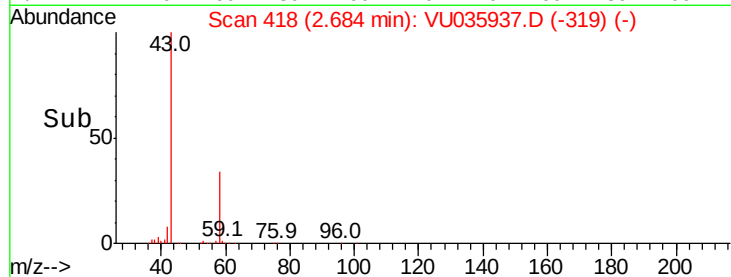
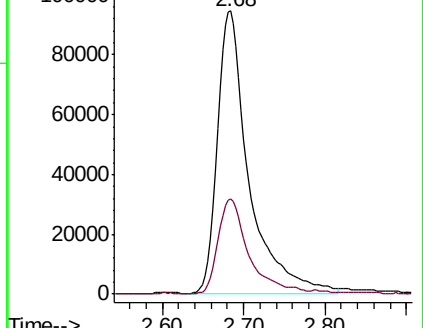
43 100

58 32.3 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035909.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU035909.D (-399) (-)



#14

Carbon disulfide

Concen: 3.834 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035937.D

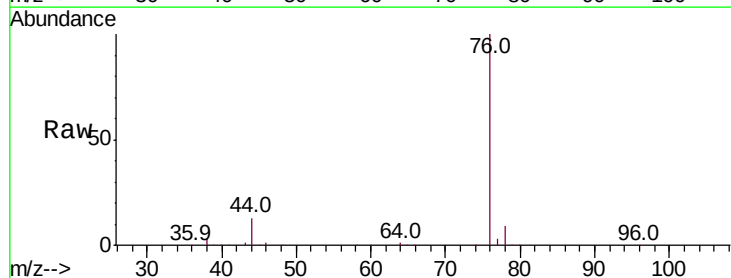
Acq: 02 Dec 2019 16:33

Tgt Ion: 76 Resp: 323352

Ion Ratio Lower Upper

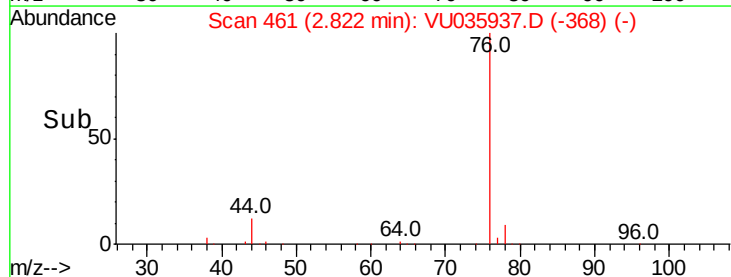
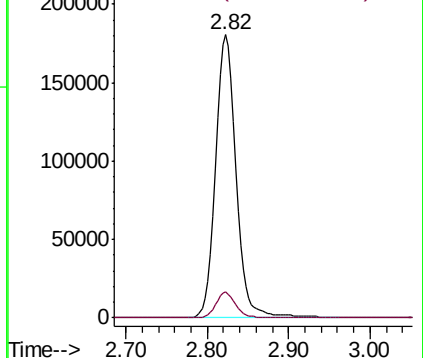
76 100

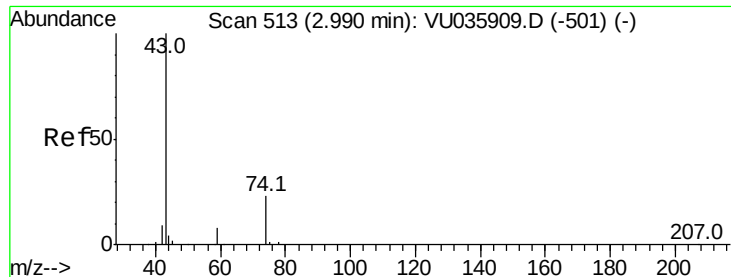
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035909.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035909.D (-446) (-)

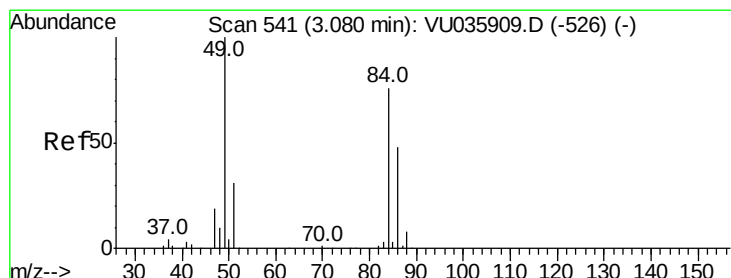
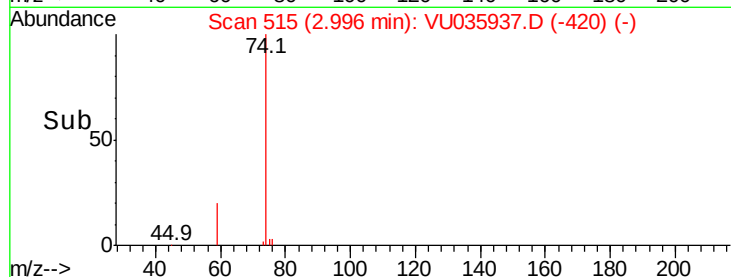
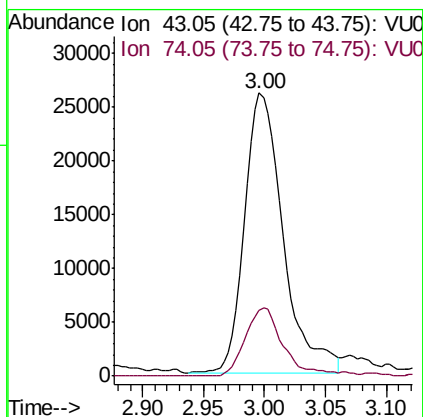
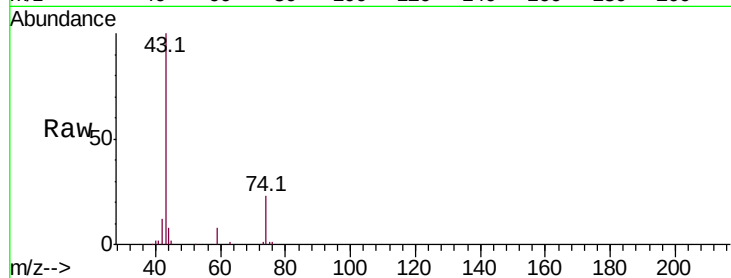




#15
Methvl Acetate
Concen: 4.350 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

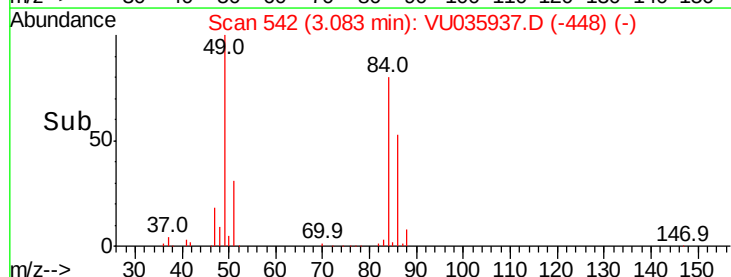
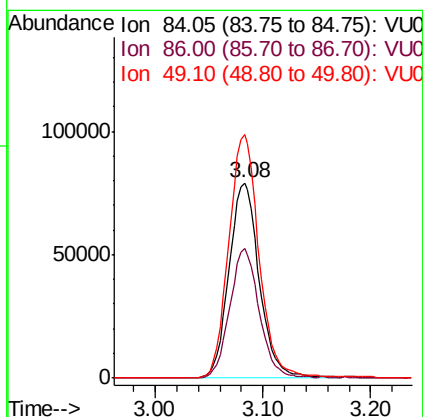
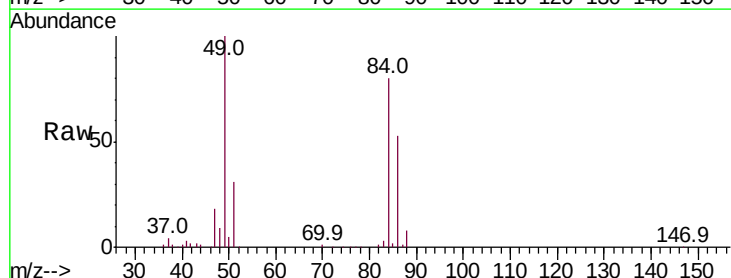
Instrument :
MSVOA_U
ClientSampled :

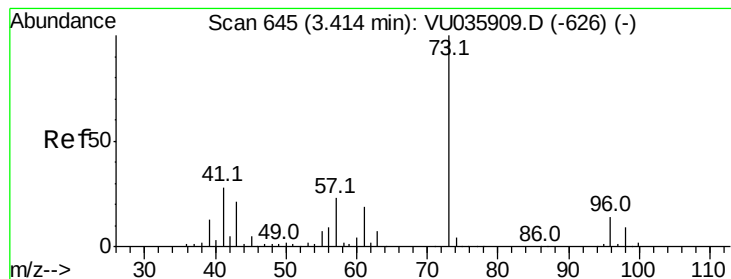
Tot Ion: 43 Resp: 56516
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.4



#16
Methylene chloride
Concen: 5.062 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Tgt Ion: 84 Resp: 155305
Ion Ratio Lower Upper
84 100
86 66.2 44.4 82.5
49 124.5 94.0 174.6



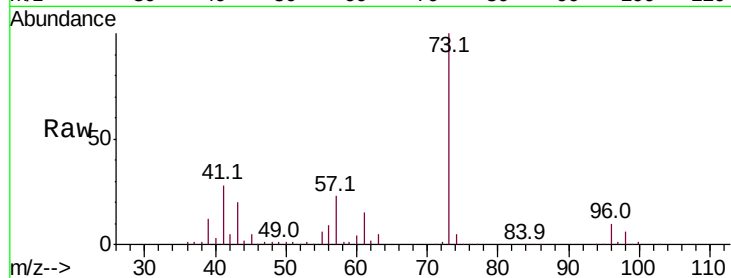


#17

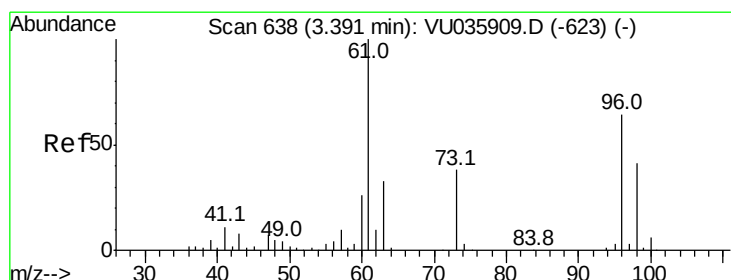
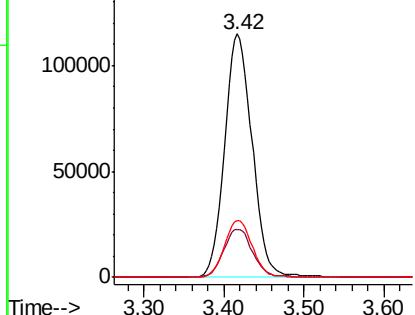
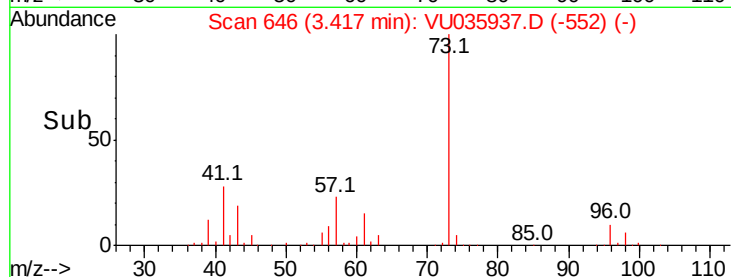
Methyl tert-butyl Ether
 Concen: 4.399 ug/L
 RT: 3.42 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	73	Resp:	270320
Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.4	26.2
57	23.6	19.4	29.0



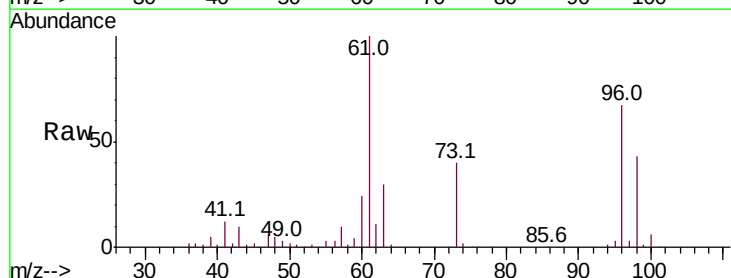
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



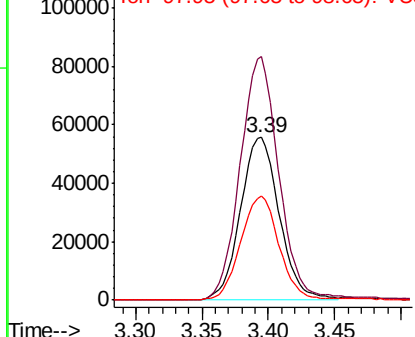
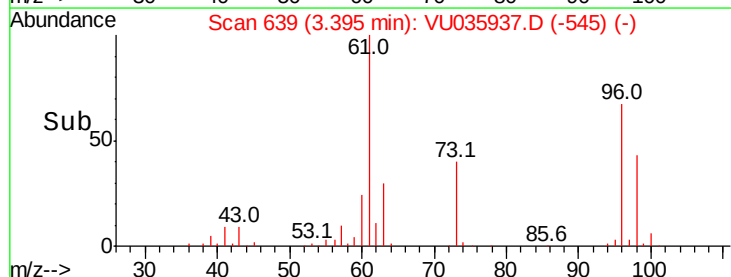
#18

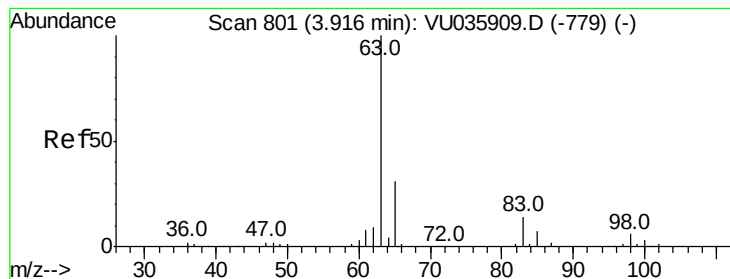
trans-1,2-Dichloroethene
 Concen: 4.537 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion:	96	Resp:	113446
Ion	Ratio	Lower	Upper
96	100		
61	149.8	111.1	206.3
98	64.2	43.1	80.1



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





#19

1,1-Dichloroethane

Concen: 4.393 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

ClientSampled :

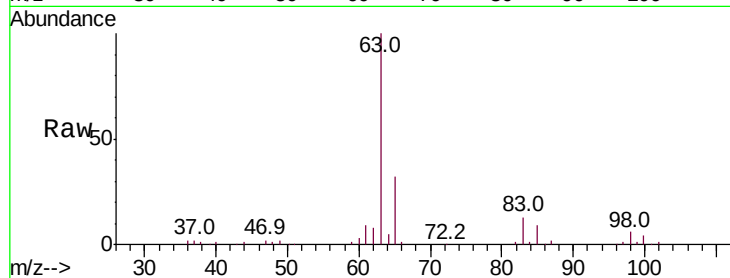
Tot Ion: 63 Resp: 246786

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.4

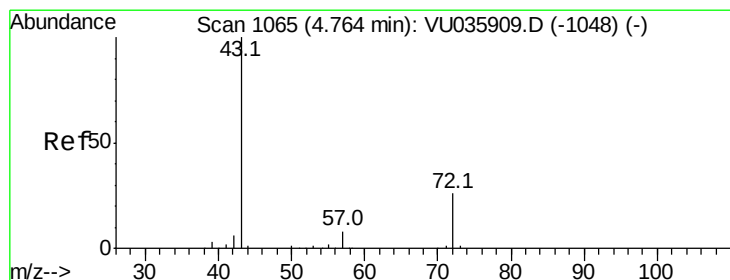
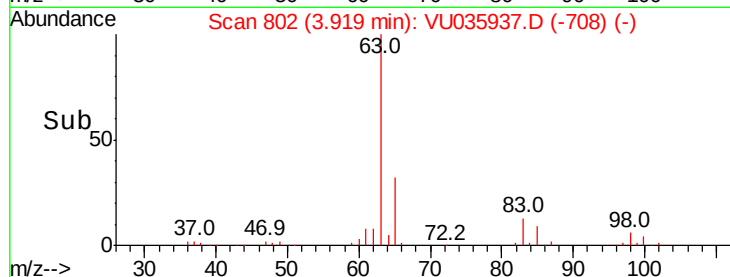
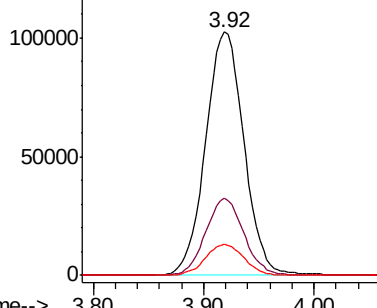
83 12.6 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035937.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU035937.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU035937.D (-779) (-)



#21

2-Butanone

Concen: 48.190 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU035937.D

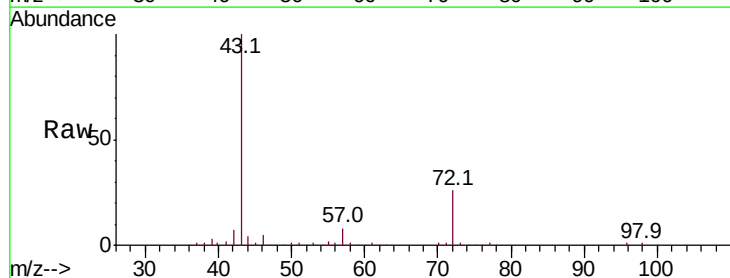
Acq: 02 Dec 2019 16:33

Tgt Ion: 43 Resp: 395163

Ion Ratio Lower Upper

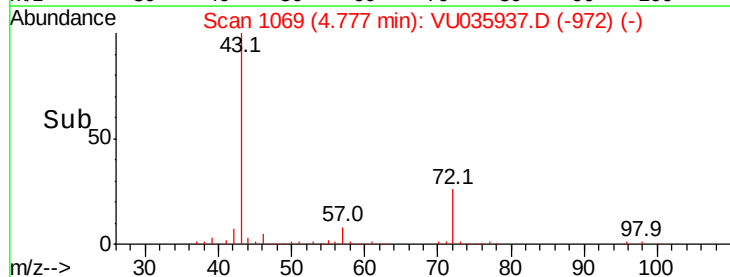
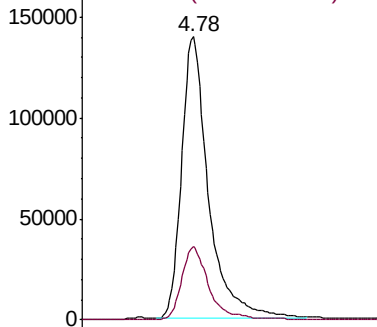
43 100

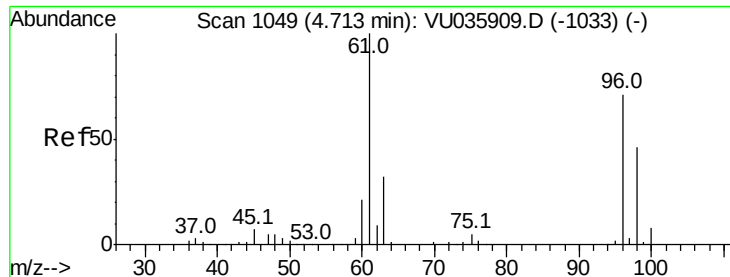
72 25.1 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035937.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU035937.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.626 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :
MSVOA_U
ClientSampled :

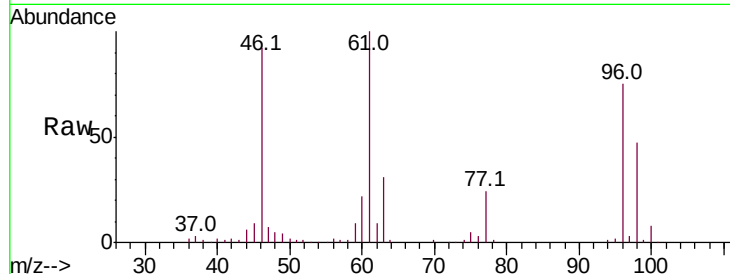
Tot Ion: 96 Resp: 128907

Ion Ratio Lower Upper

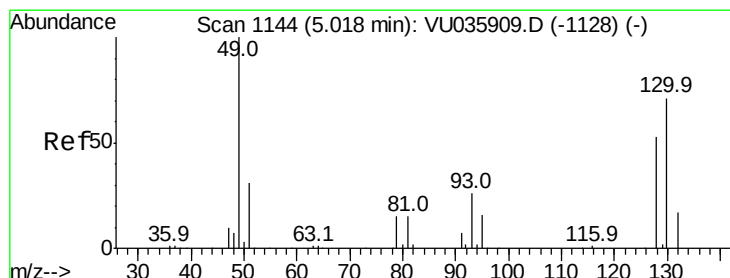
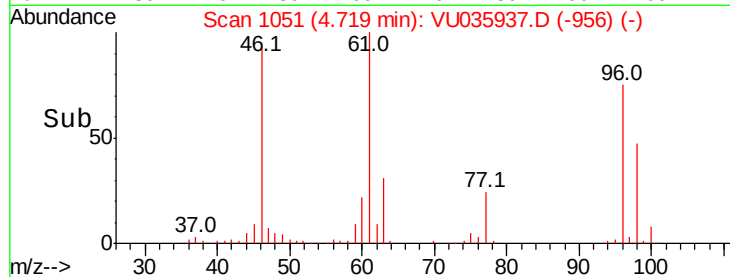
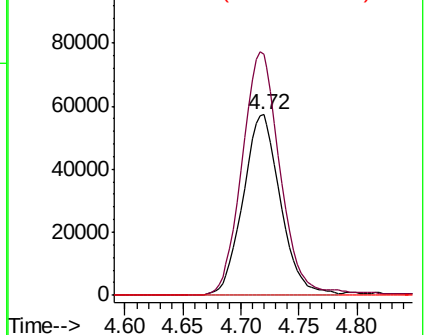
96 100

61 133.3 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.016 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Tgt Ion:128 Resp: 60896

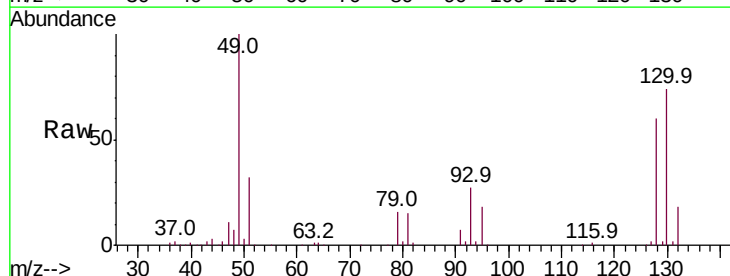
Ion Ratio Lower Upper

128 100

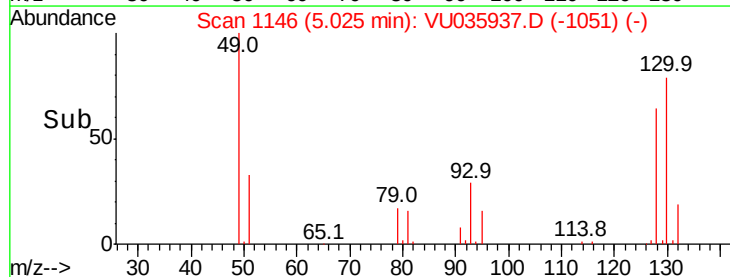
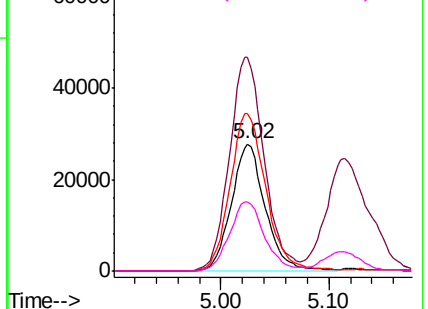
49 167.9 133.8 248.6

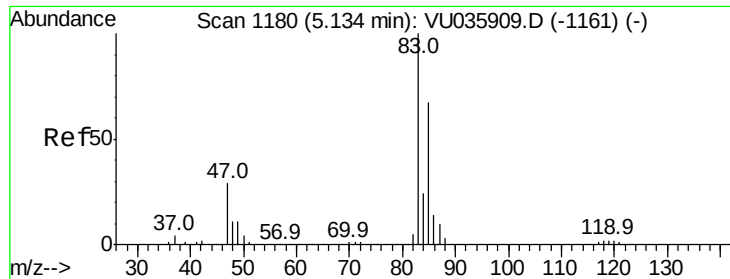
130 124.2 91.1 169.1

51 54.4 46.5 69.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

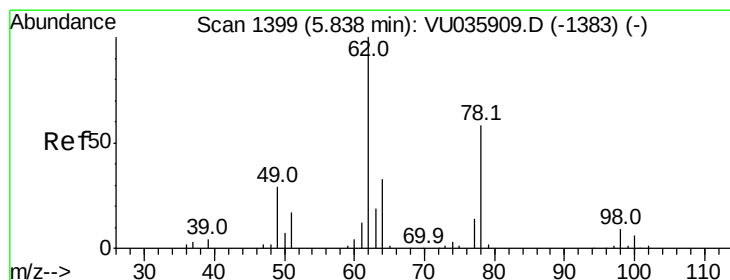
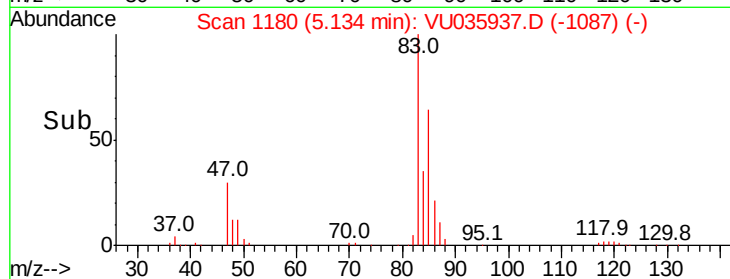
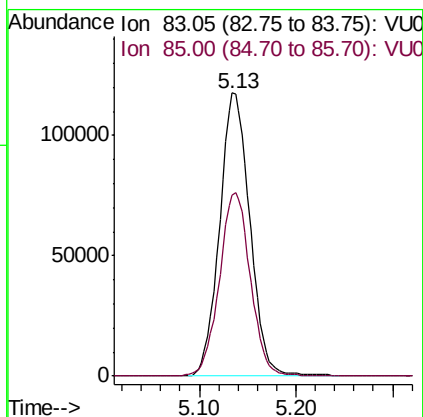
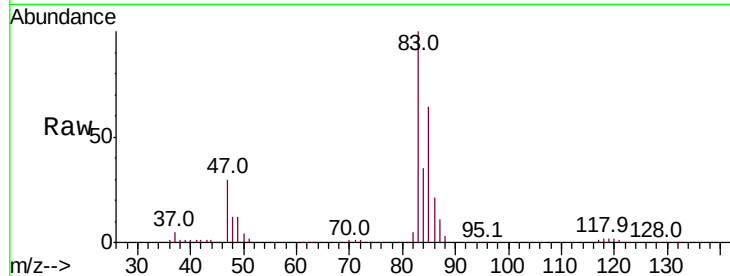




#25
Chloroform
Concen: 4.680 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

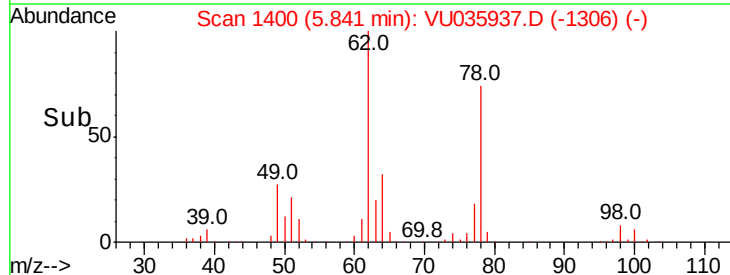
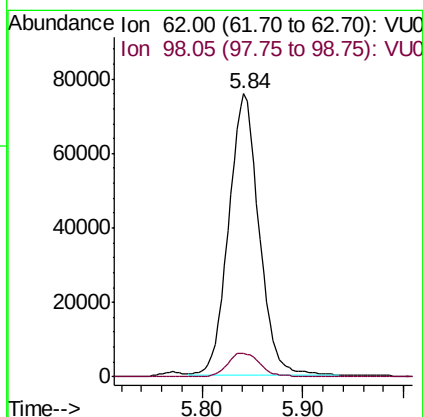
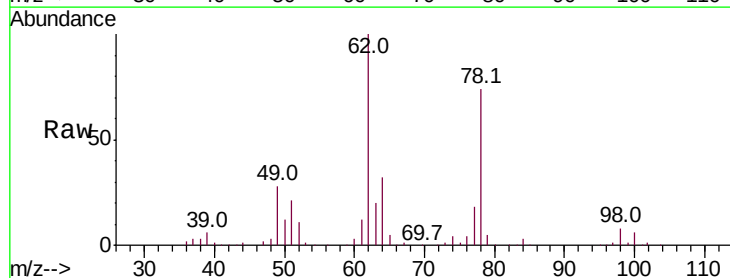
Instrument :
MSVOA_U
ClientSampleId :

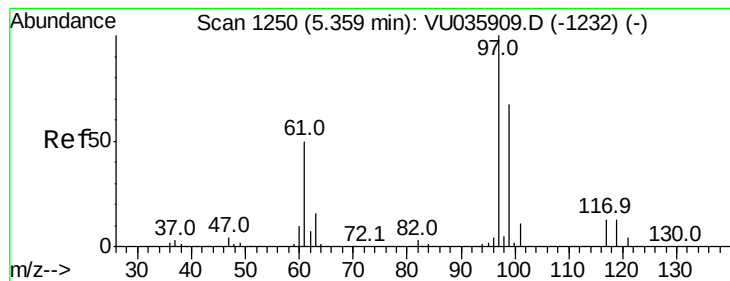
Tot Ion: 83 Resp: 255858
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.369 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Tgt Ion: 62 Resp: 157106
Ion Ratio Lower Upper
62 100
98 8.2 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 4.555 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :
MSVOA_U
ClientSampleId :

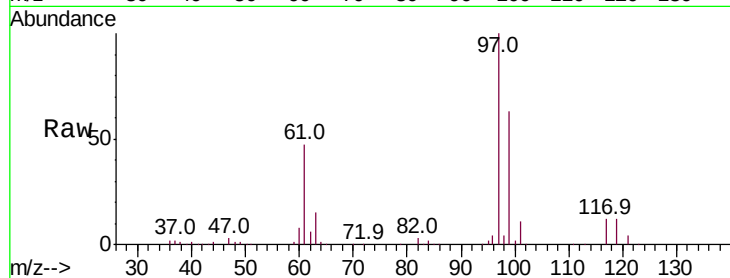
Tot Ion: 97 Resp: 206441

Ion Ratio Lower Upper

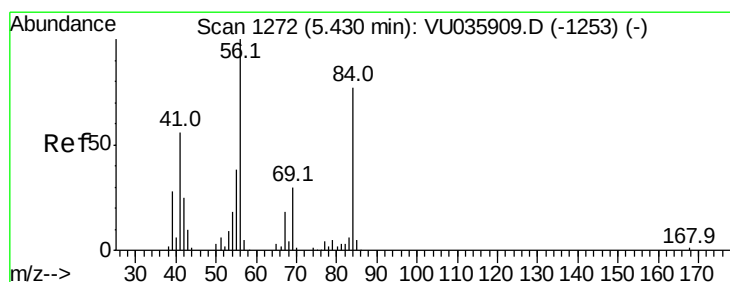
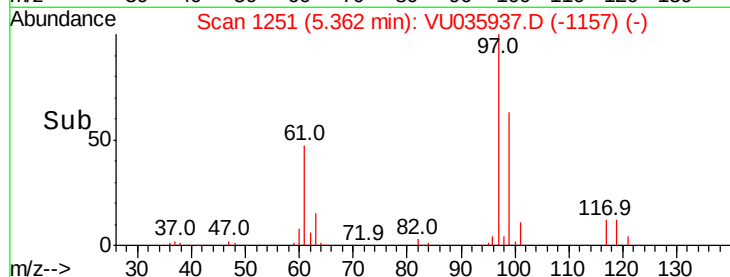
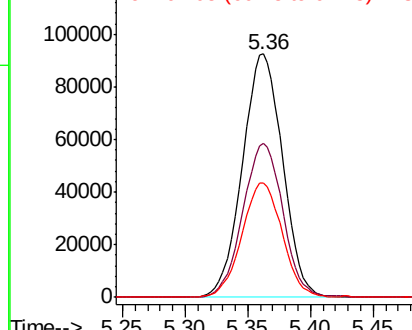
97 100

99 62.9 51.9 77.9

61 47.1 40.3 60.5



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 3.911 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

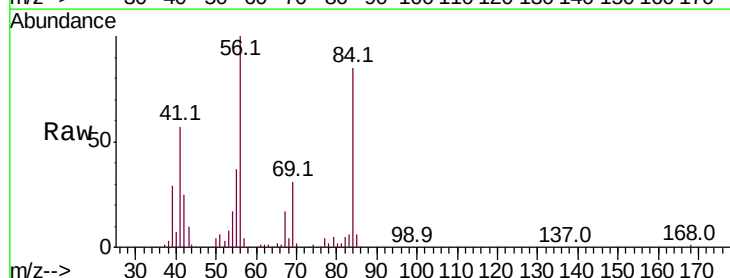
Tgt Ion: 56 Resp: 173212

Ion Ratio Lower Upper

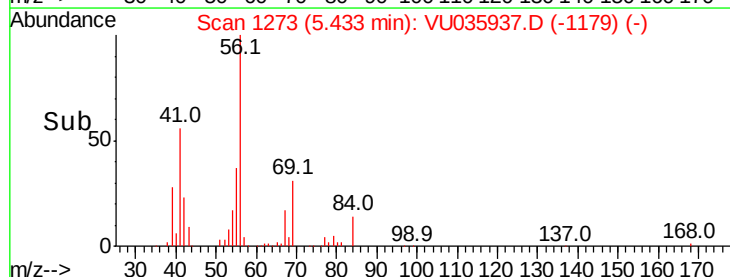
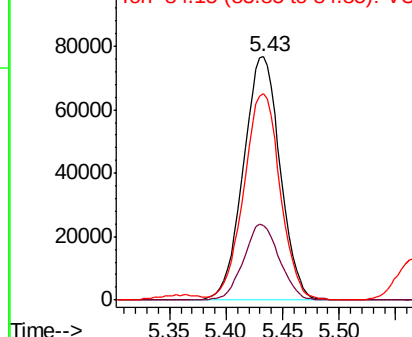
56 100

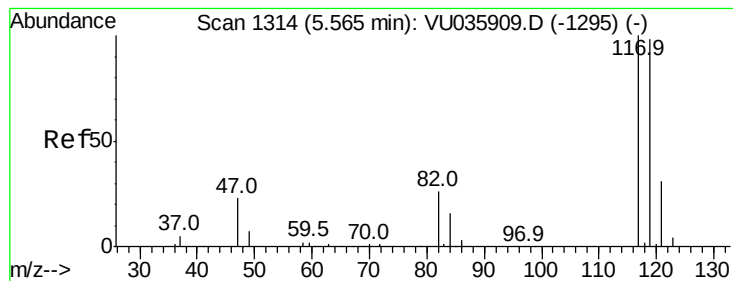
69 30.4 24.0 36.0

84 83.5 62.1 93.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.455 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

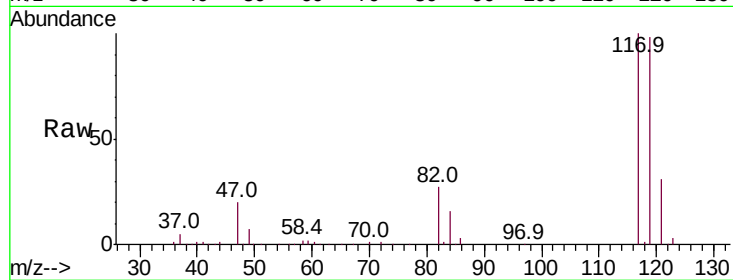
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 174822

Ion Ratio Lower Upper

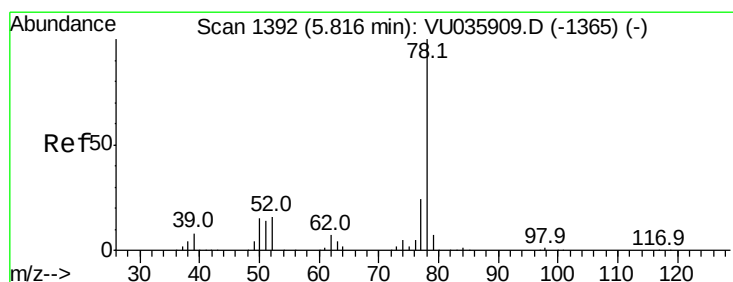
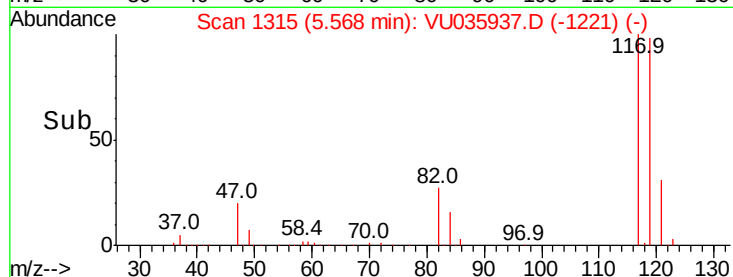
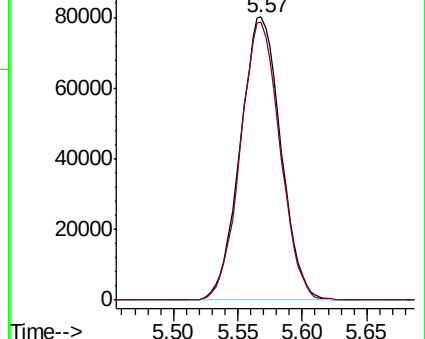
117 100

119 96.5 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.607 ug/L

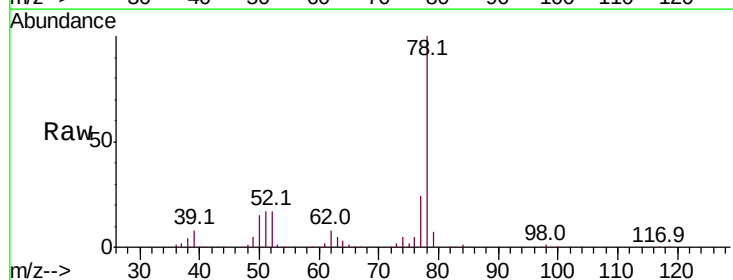
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

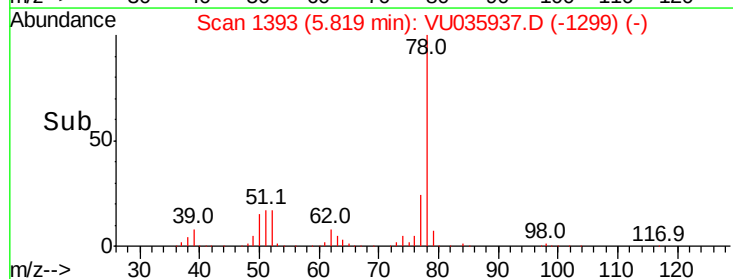
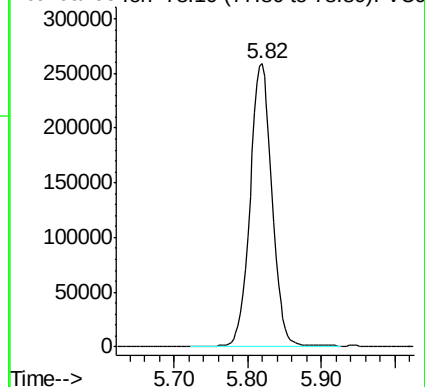
Lab File: VU035937.D

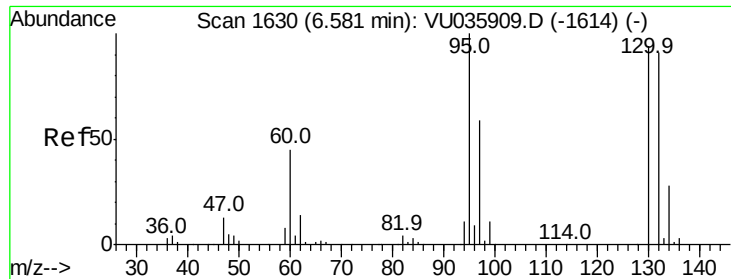
Acq: 02 Dec 2019 16:33

Tgt Ion: 78 Resp: 539719



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.509 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 129504

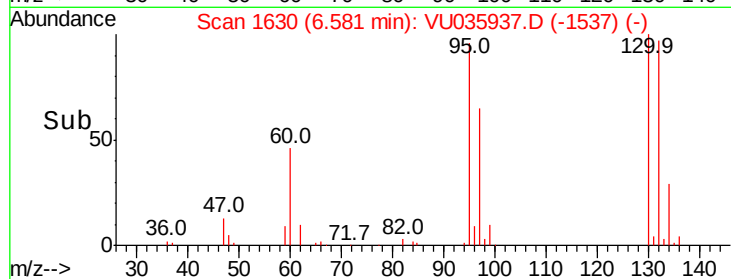
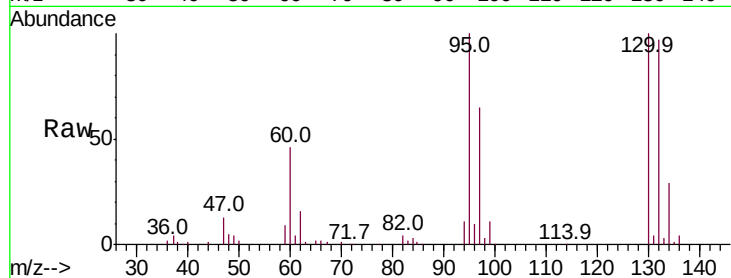
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.9

132 96.7 61.9 114.9

130 99.6 66.3 123.1



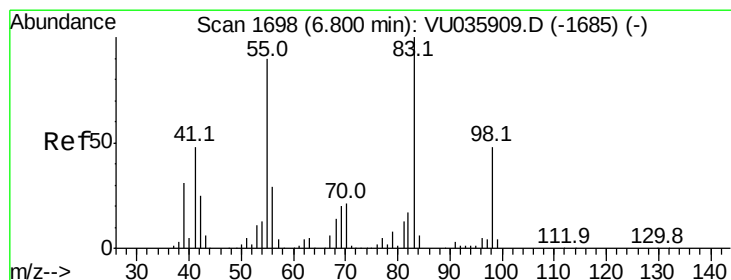
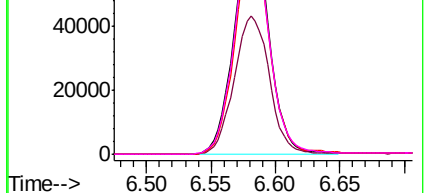
Abundance Ion 95.00 (94.70 to 95.70): VU035937.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035937.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035937.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035937.D (-1537) (-)

Time-->



#35

Methylcyclohexane

Concen: 4.106 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

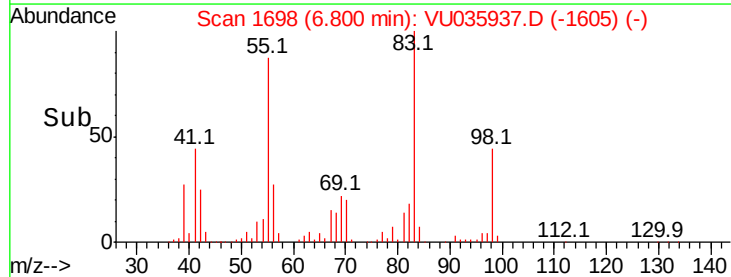
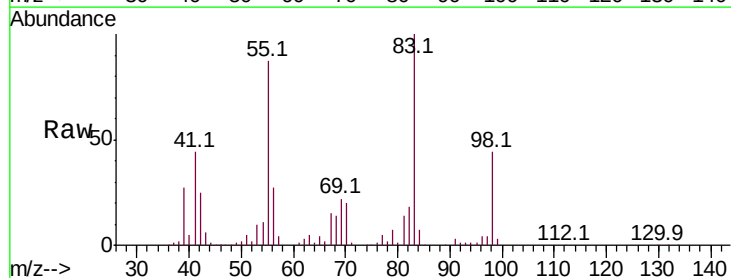
Tgt Ion: 83 Resp: 173062

Ion Ratio Lower Upper

83 100

55 86.1 72.7 109.1

98 44.6 36.2 54.4

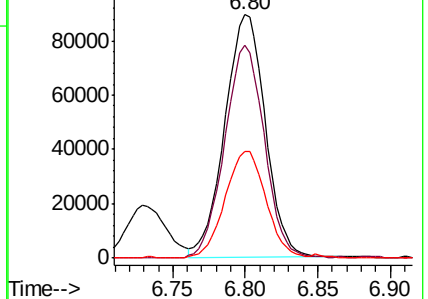


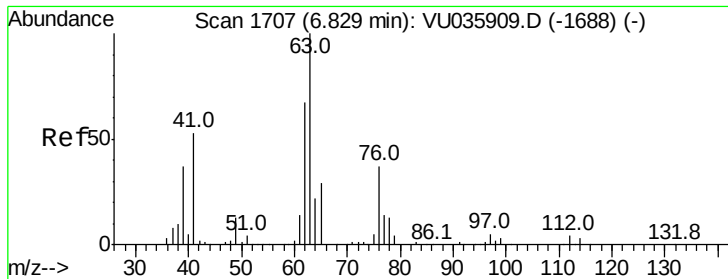
Abundance Ion 83.15 (82.85 to 83.85): VU035937.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035937.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035937.D (-1605) (-)

Time-->

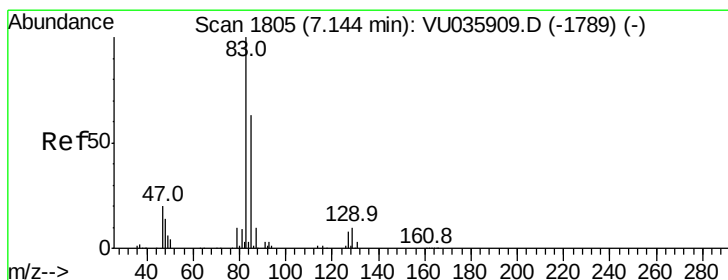
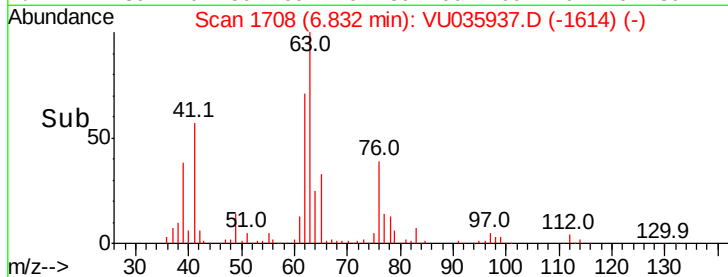
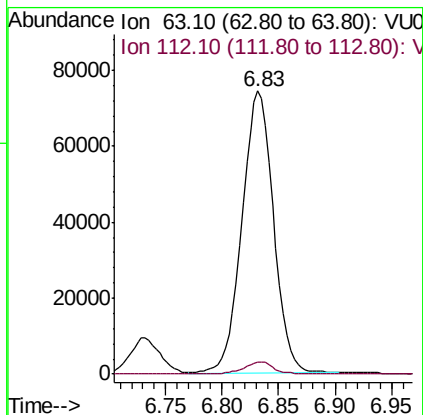
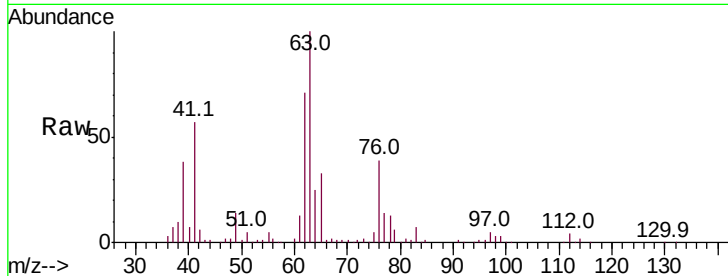




#37
 1,2-Dichloropropane
 Concen: 4.353 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

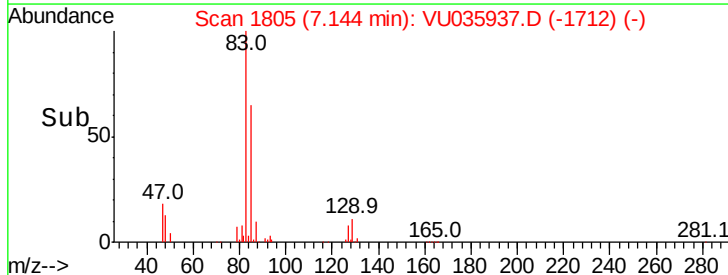
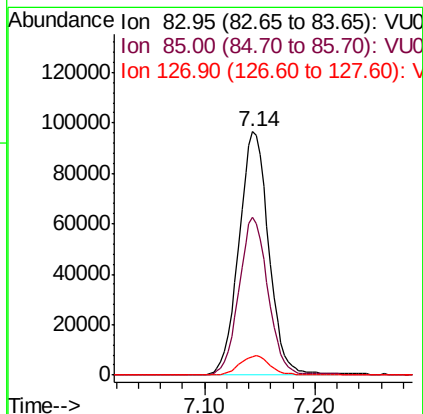
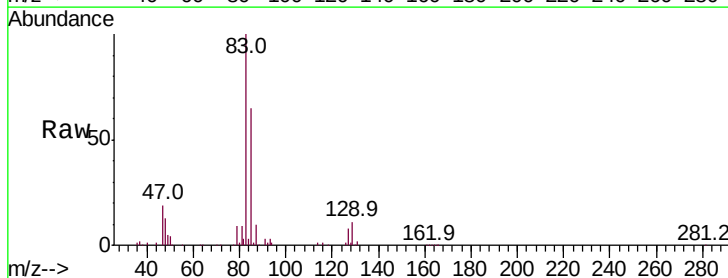
Instrument :
 MSVOA_U
 ClientSampleId :

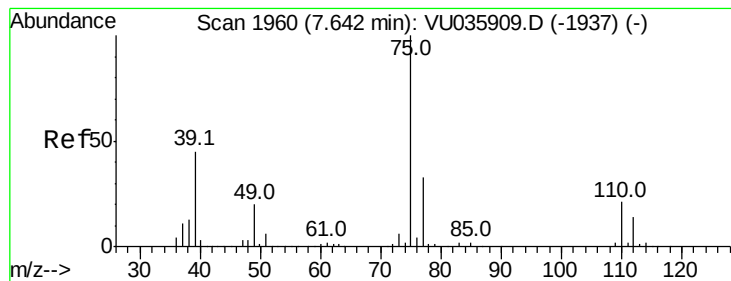
Tot Ion: 63 Resp: 144622
 Ion Ratio Lower Upper
 63 100
 112 4.2 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 4.540 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion: 83 Resp: 180790
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.6 84.8
 127 7.7 6.0 9.0



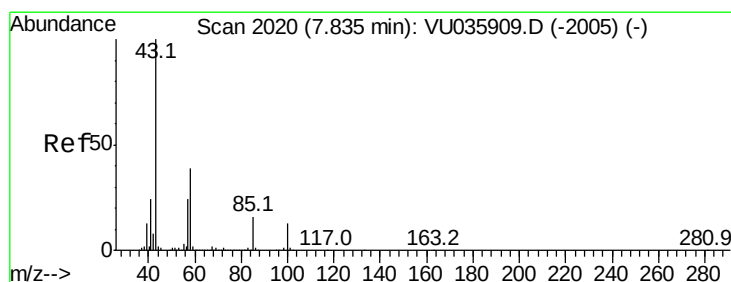
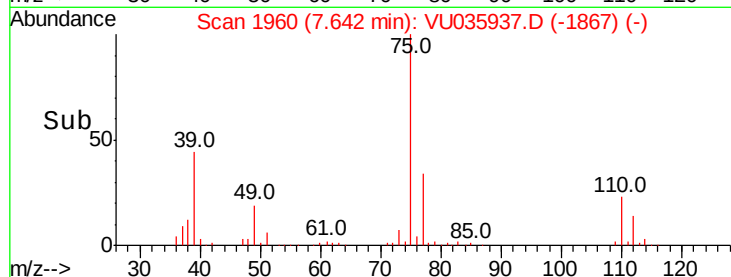
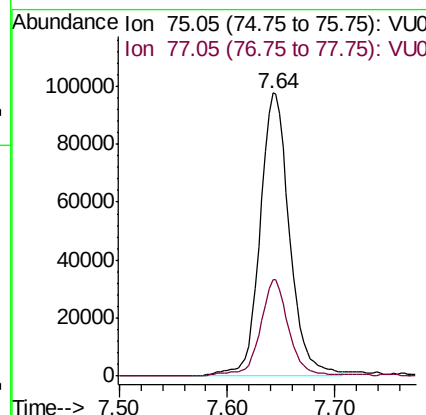
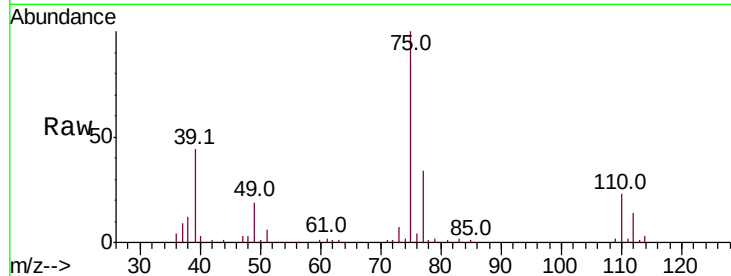


#39

cis-1,3-Dichloropropene
 Concen: 4.312 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Instrument :
 MSVOA_U
 ClientSampled :

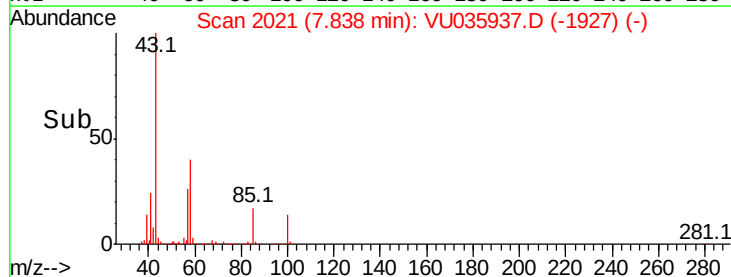
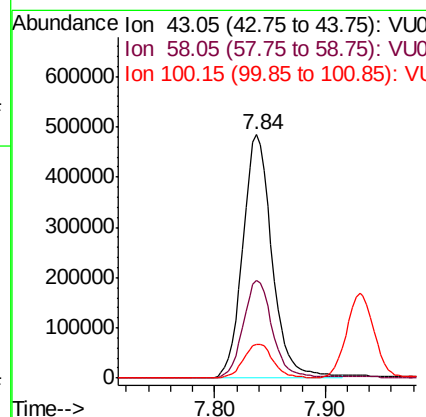
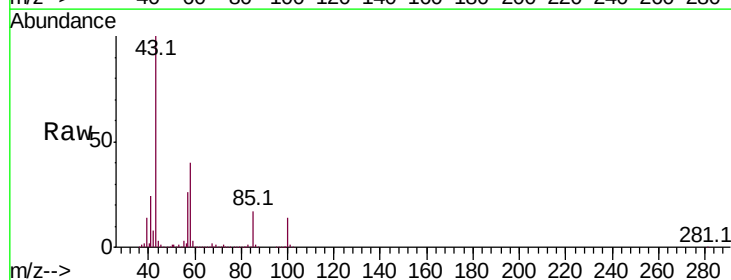
Tot Ion: 75 Resp: 185473
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.1 41.1

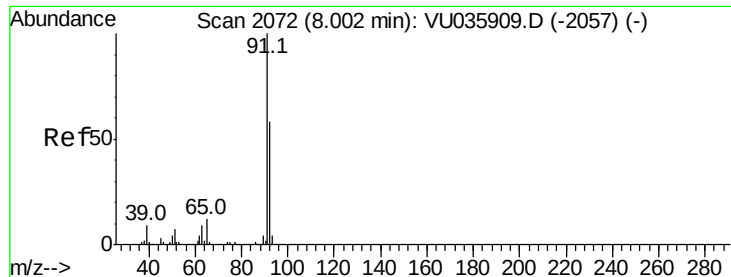


#40

4-Methyl-2-pentanone
 Concen: 43.712 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion: 43 Resp: 891626
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.8 46.2
 100 14.2 10.0 15.0





#42

Toluene

Concen: 4.661 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

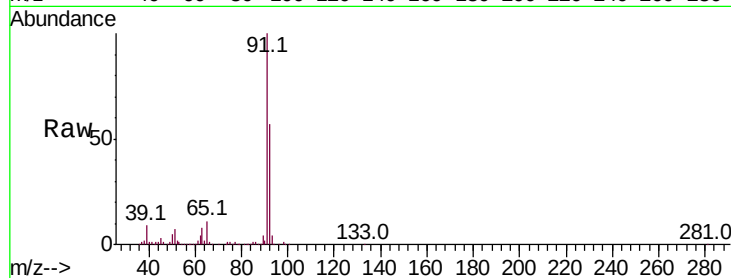
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 568068

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035909.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035909.D (-2057) (-)

8.00

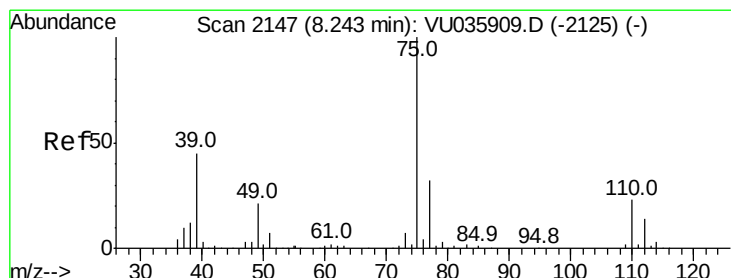
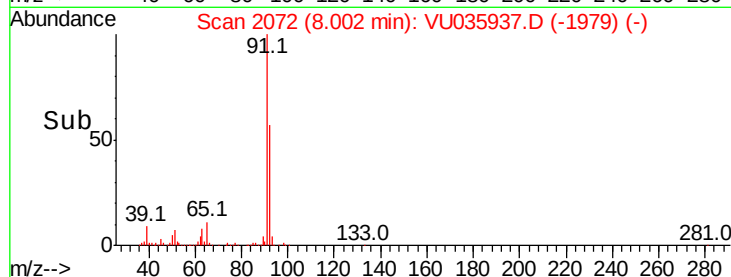
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.462 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035937.D

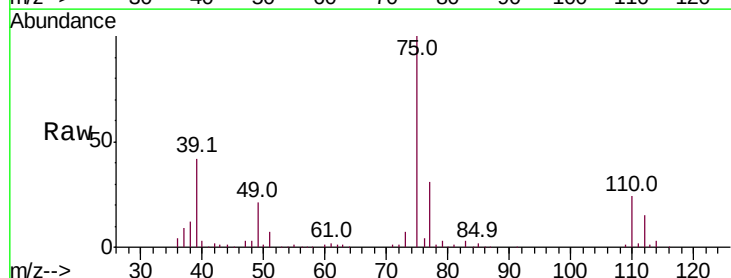
Acq: 02 Dec 2019 16:33

Tgt Ion: 75 Resp: 159149

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035909.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU035909.D (-2125) (-)

8.25

100000

80000

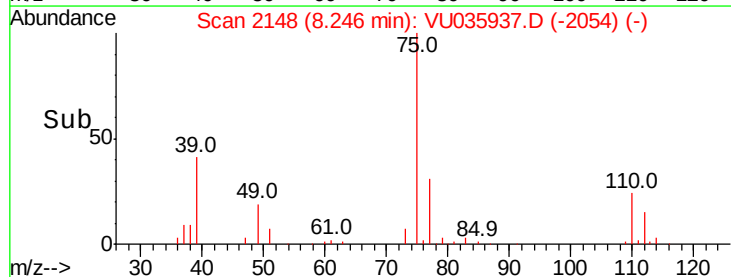
60000

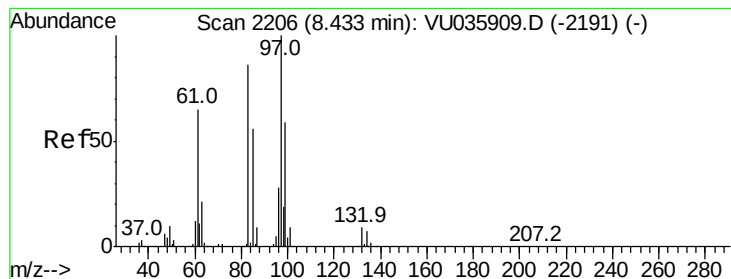
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.772 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 103314

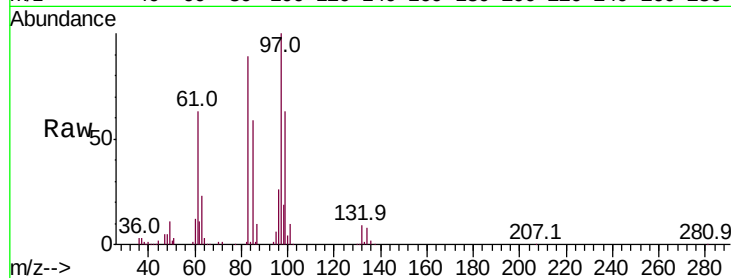
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.0
83	89.2	62.2	115.6
85	58.6	41.5	77.1

97 100

99 63.4 44.2 82.0

83 89.2 62.2 115.6

85 58.6 41.5 77.1



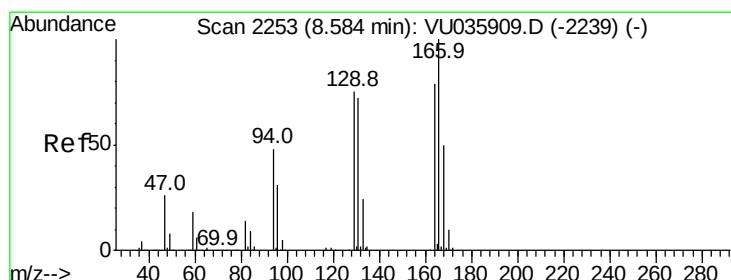
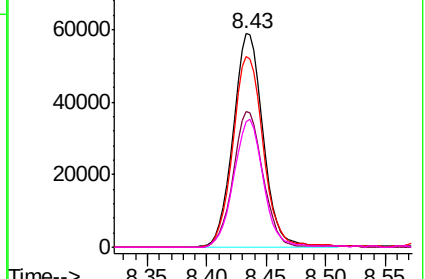
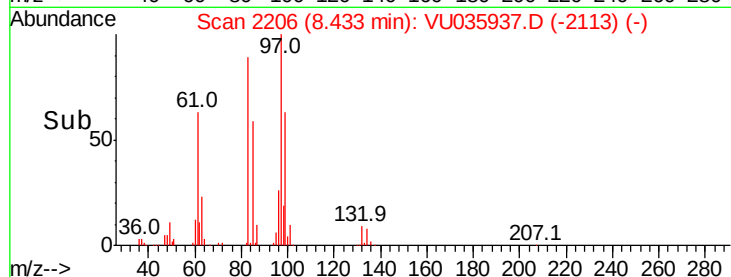
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.779 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Tgt Ion:164 Resp: 104441

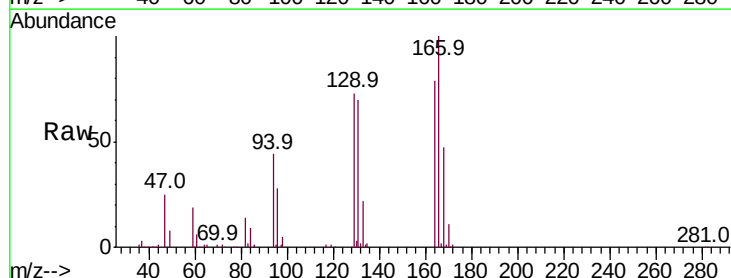
Ion	Ratio	Lower	Upper
164	100		
129	92.9	68.8	127.8
131	88.5	67.3	124.9
166	127.1	91.6	170.2

164 100

129 92.9 68.8 127.8

131 88.5 67.3 124.9

166 127.1 91.6 170.2



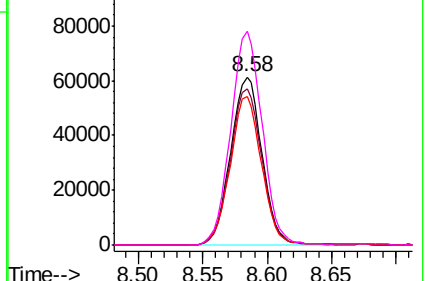
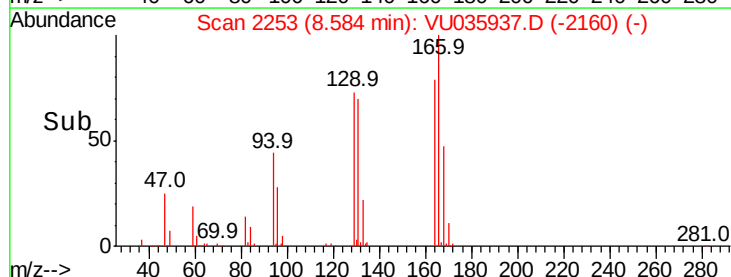
Abundance

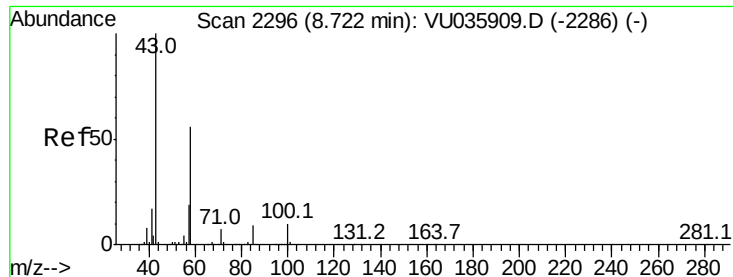
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

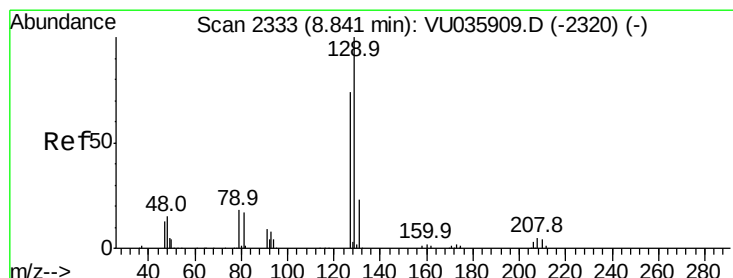
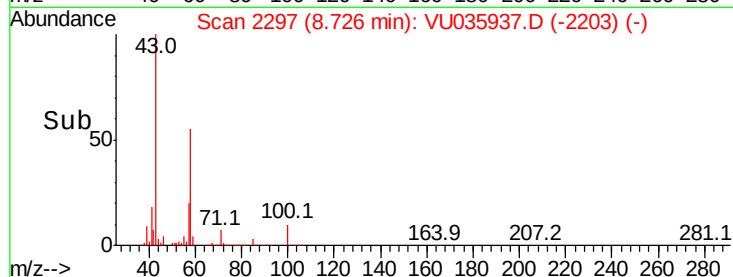
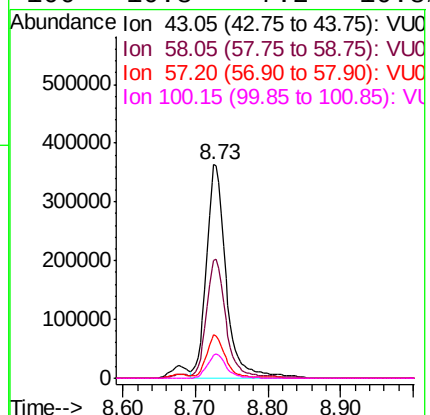
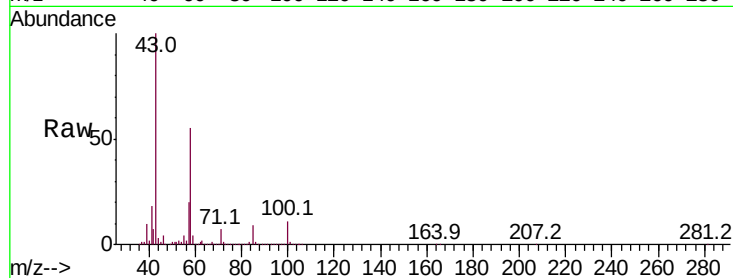




#48
2-Hexanone
Concen: 45.897 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

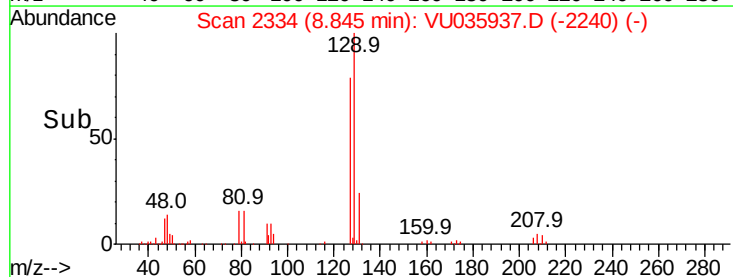
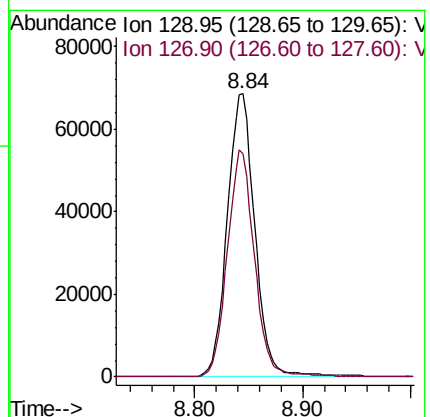
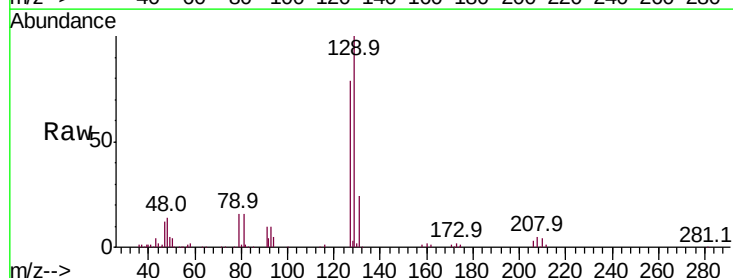
Instrument :
MSVOA_U
ClientSampleId :

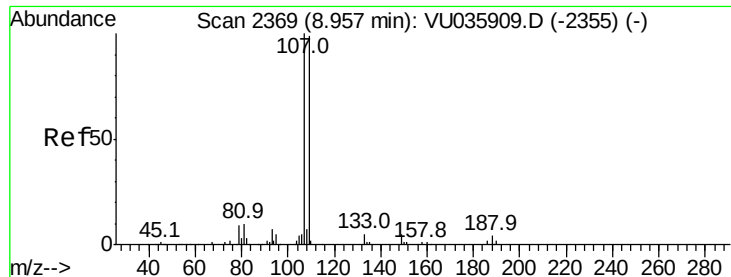
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	39.8	59.8
57	18.8	14.0	21.0
100	10.8	7.2	10.8#



#49
Dibromochloromethane
Concen: 4.792 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.1	98.5

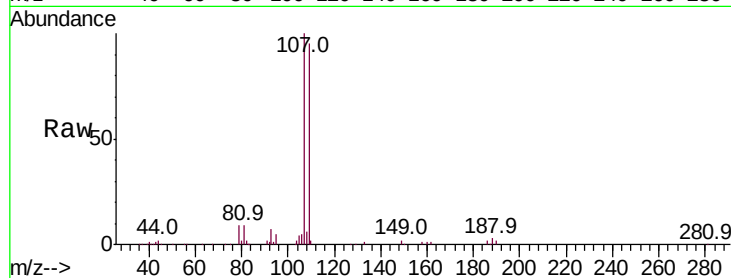




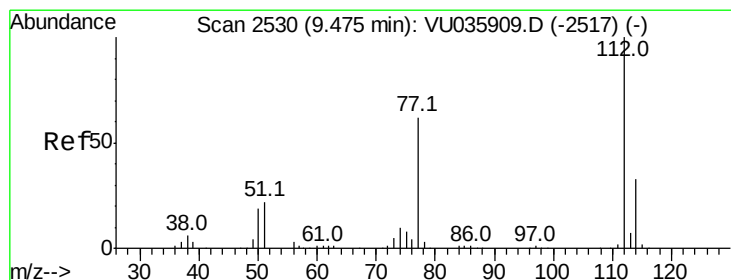
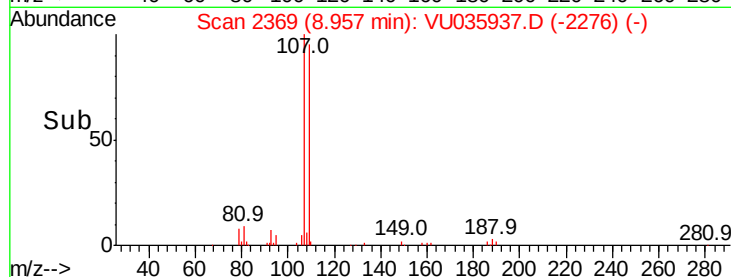
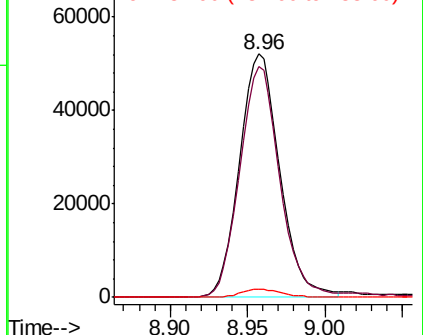
#50
 1,2-Dibromoethane
 Concen: 4.763 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 94364
 Ion Ratio Lower Upper
 107 100
 109 94.9 62.6 116.3
 188 3.3 2.8 4.2

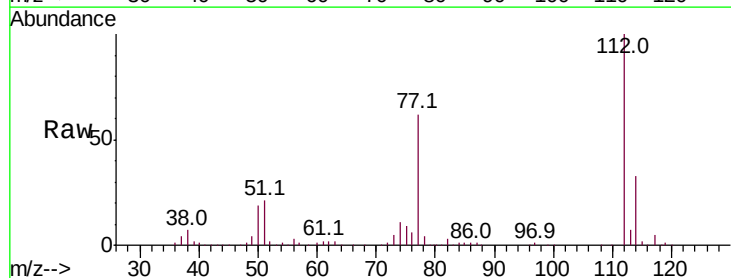


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

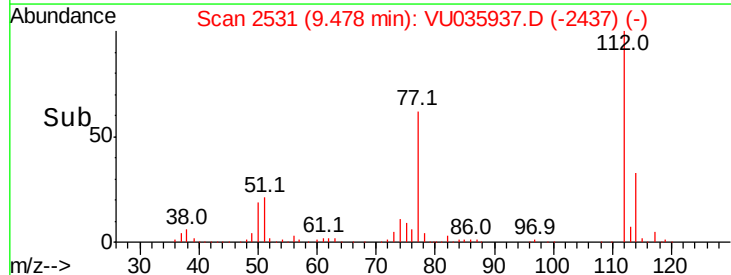
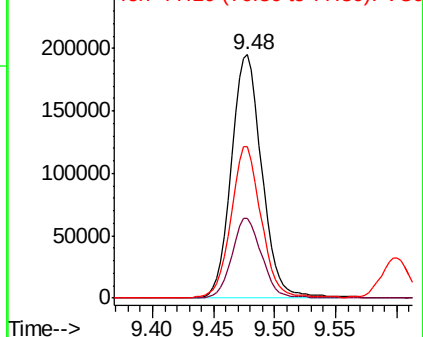


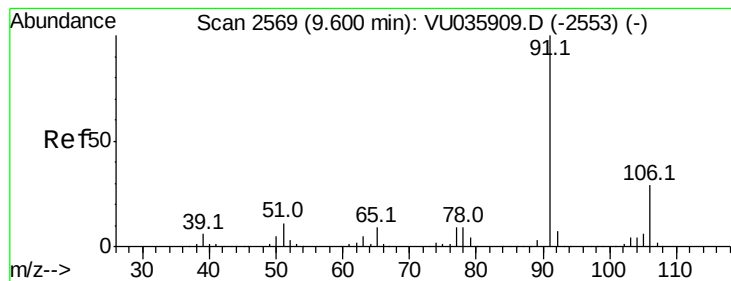
#51
 Chlorobenzene
 Concen: 4.518 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion:112 Resp: 341033
 Ion Ratio Lower Upper
 112 100
 114 32.9 22.2 41.2
 77 62.0 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 4.353 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

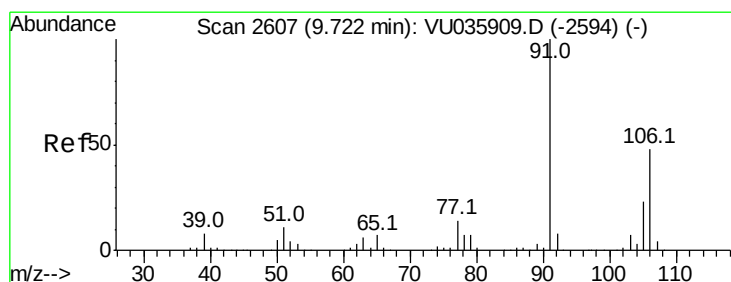
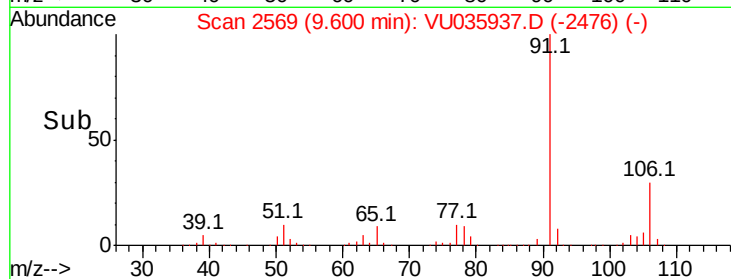
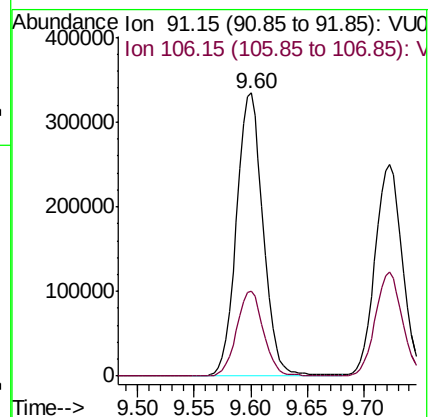
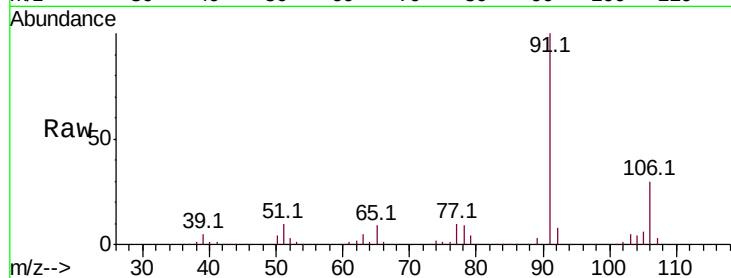
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 548548

Ion Ratio Lower Upper

91 100

106 30.1 21.2 39.4



#53

m,p-Xylene

Concen: 4.681 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035937.D

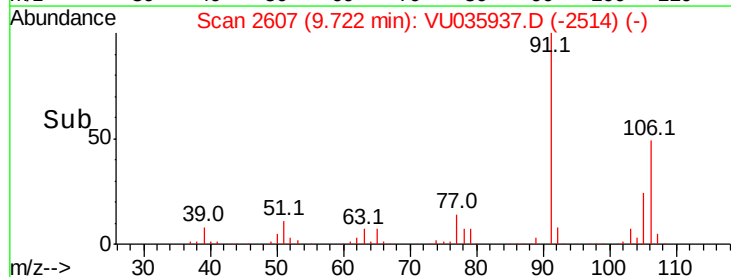
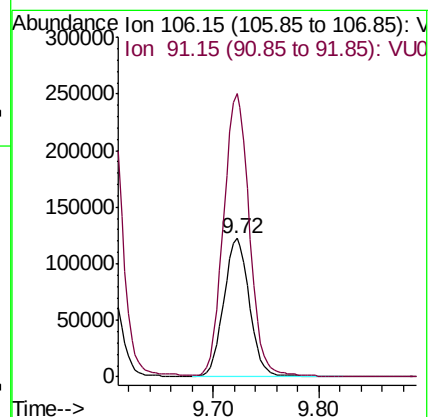
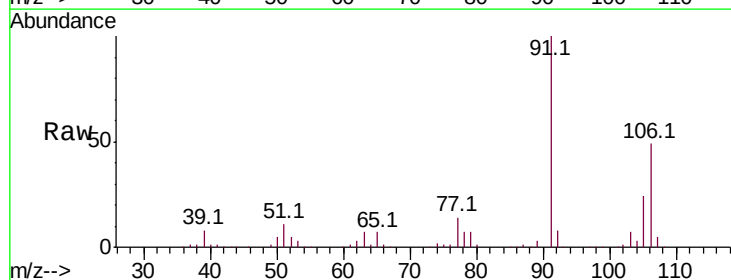
Acq: 02 Dec 2019 16:33

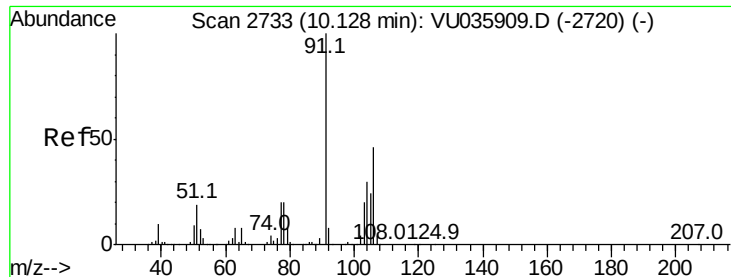
Tgt Ion: 106 Resp: 207967

Ion Ratio Lower Upper

106 100

91 204.4 149.9 278.5

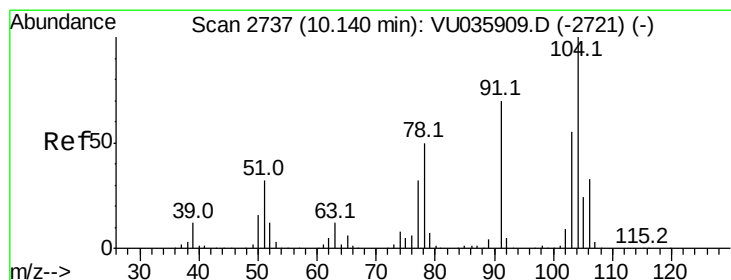
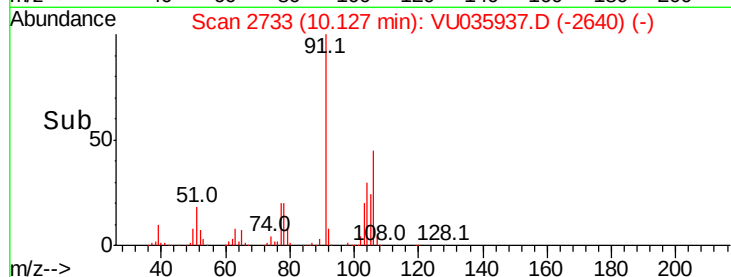
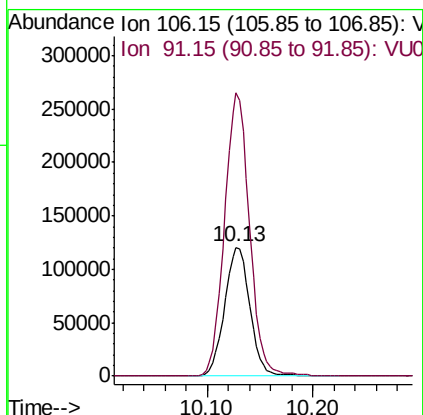
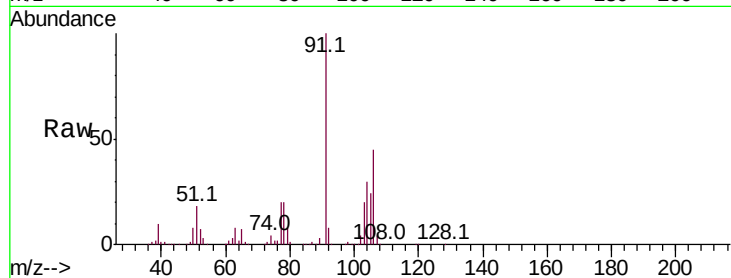




#54
o-Xylene
Concen: 4.634 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

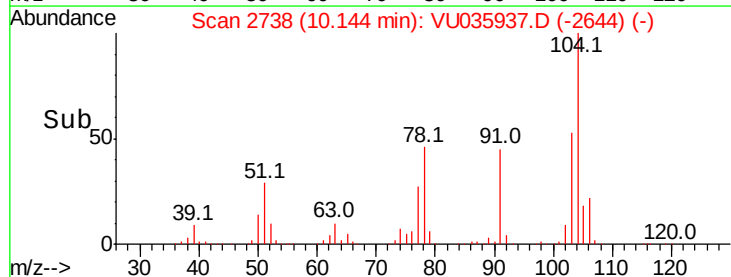
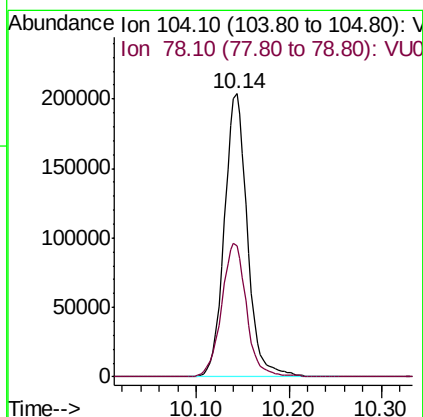
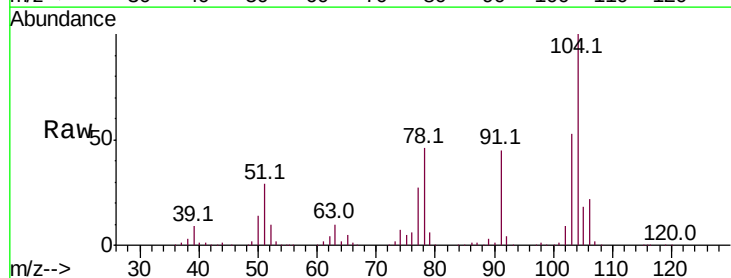
Instrument :
MSVOA_U
ClientSampleId :

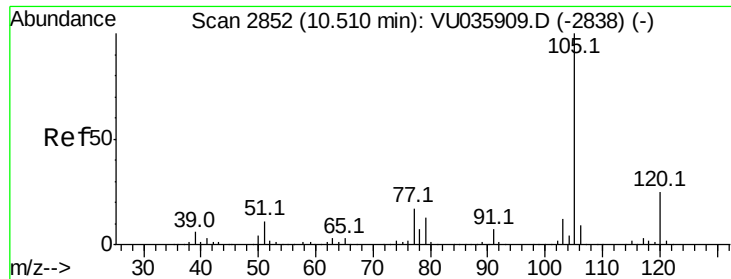
Tot Ion:106 Resp: 199955
Ion Ratio Lower Upper
106 100
91 220.3 153.6 285.2



#55
Styrene
Concen: 4.906 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Tgt Ion:104 Resp: 351058
Ion Ratio Lower Upper
104 100
78 46.3 33.9 62.9





#56

Isopropylbenzene

Concen: 4.641 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

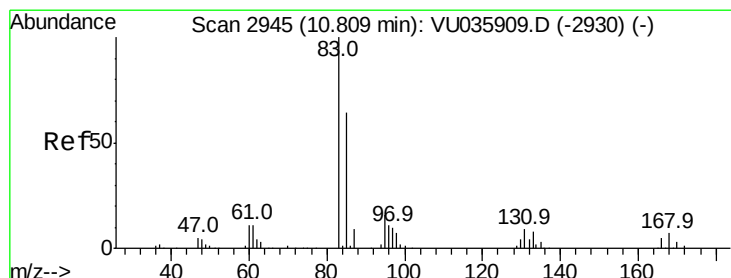
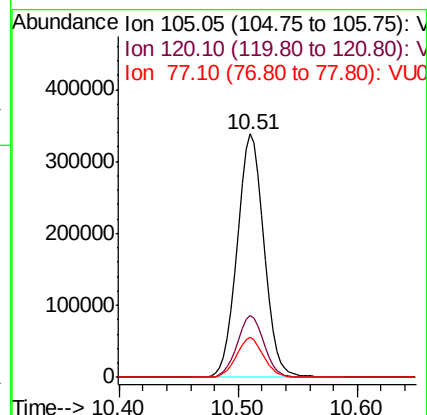
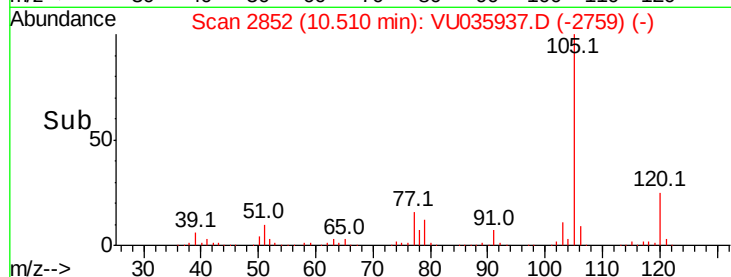
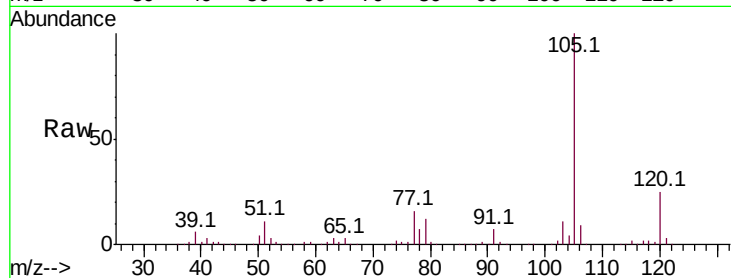
Tot Ion:105 Resp: 529020

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2

77 16.4 13.7 20.5



#58

1,1,2,2-Tetrachloroethane

Concen: 4.492 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035937.D

Acq: 02 Dec 2019 16:33

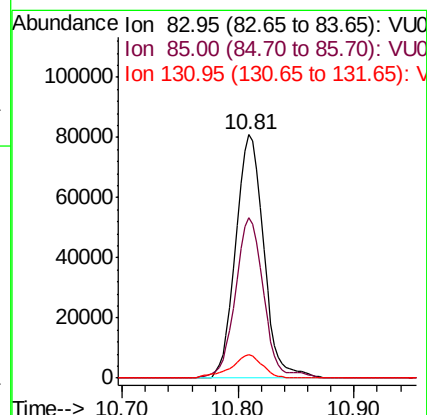
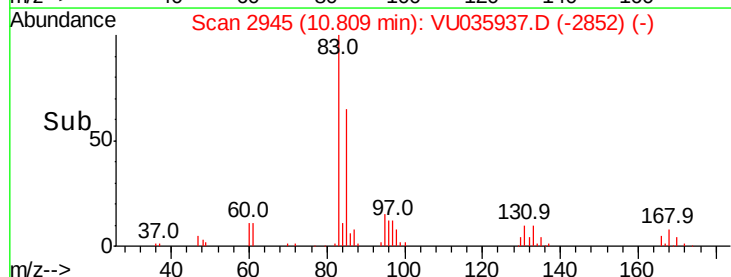
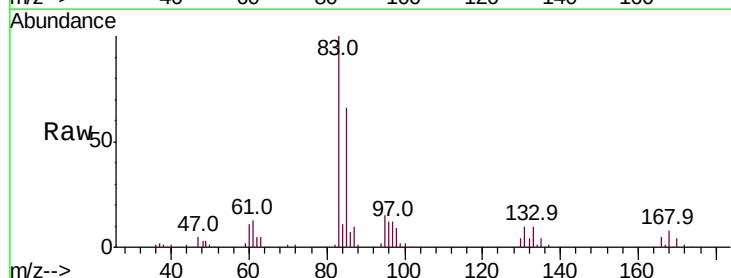
Tgt Ion: 83 Resp: 134565

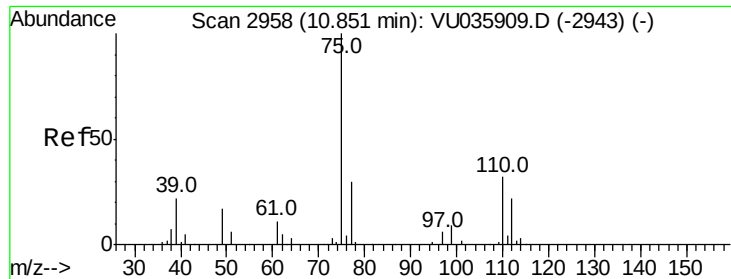
Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

131 9.6 6.9 10.3

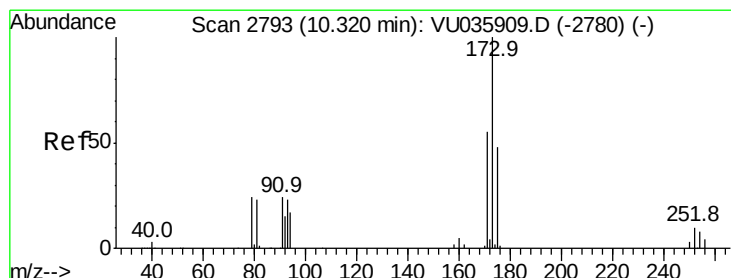
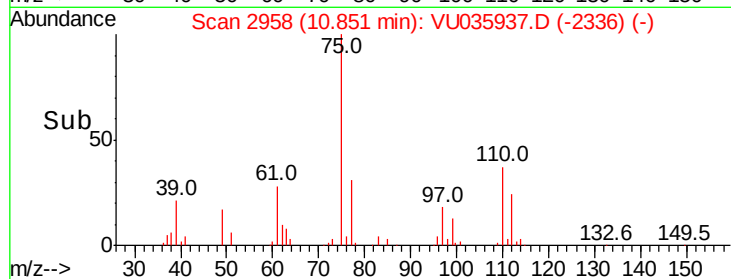
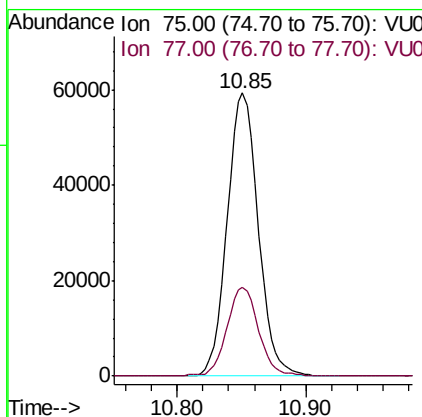
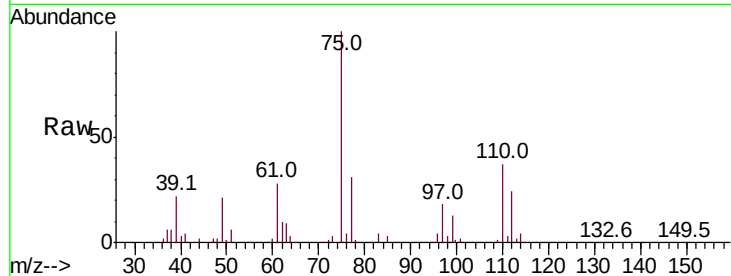




#59
 1,2,3-Trichloropropane
 Concen: 4.578 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

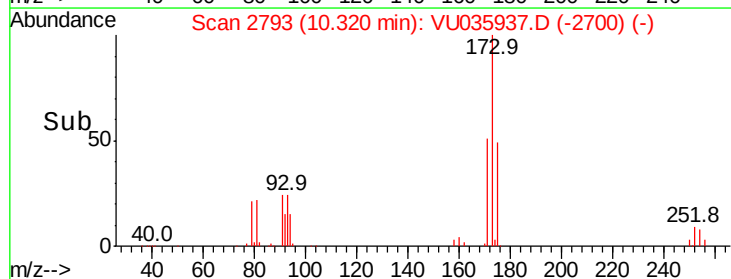
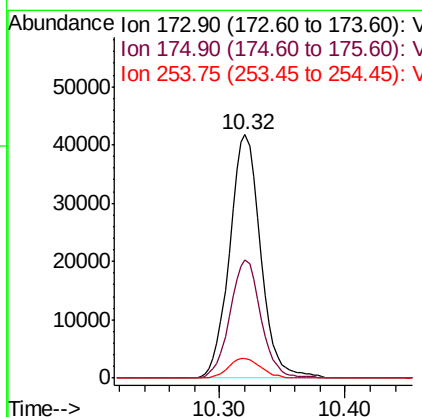
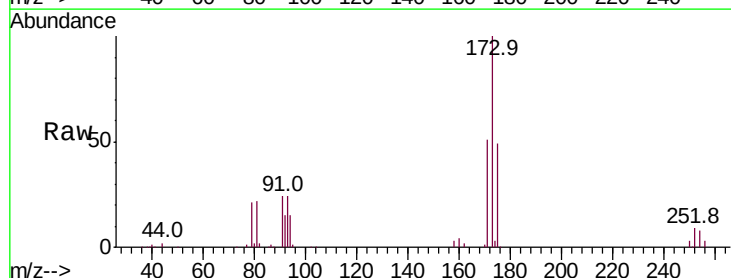
Instrument :
 MSVOA_U
 ClientSampleId :

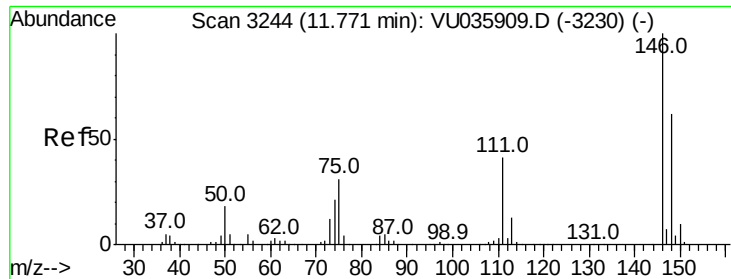
Tot Ion: 75 Resp: 98888
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2



#61
 Bromoform
 Concen: 4.491 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion:173 Resp: 71710
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.1 60.1
 254 8.4 7.1 10.7

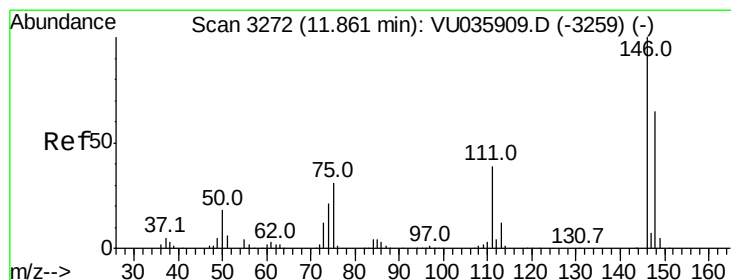
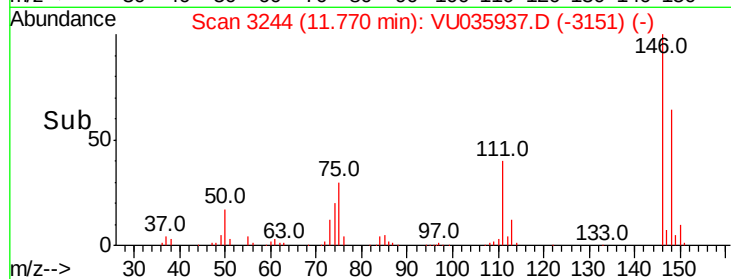
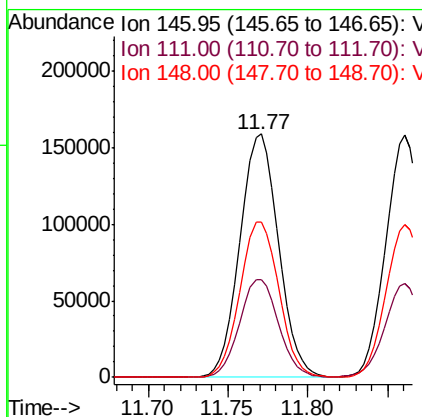
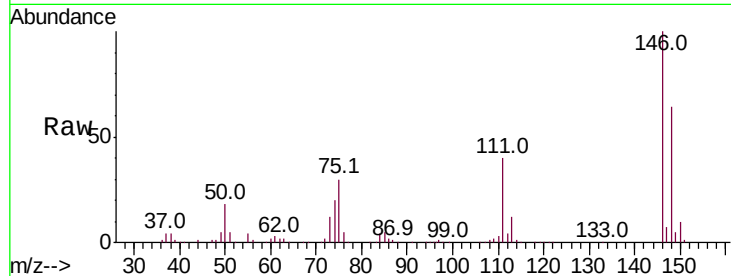




#62
 1,3-Dichlorobenzene
 Concen: 4.585 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

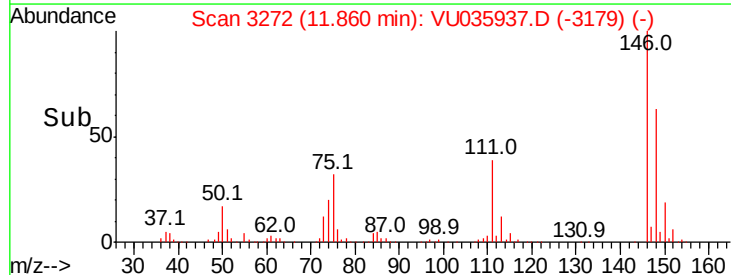
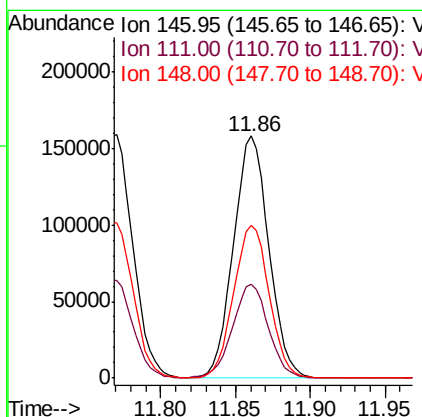
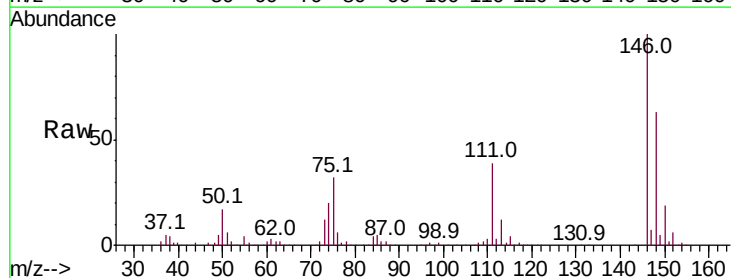
Instrument :
 MSVOA_U
 ClientSampleId :

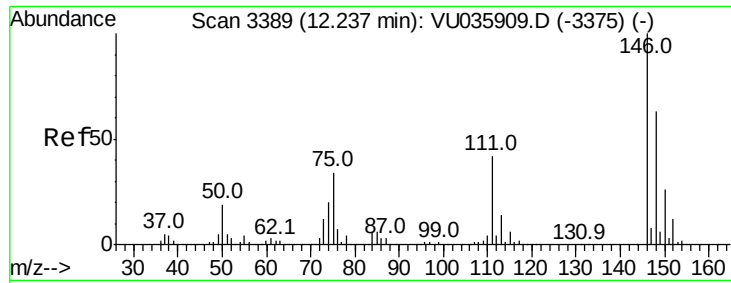
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	29.5	54.7
148	63.8	44.1	81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.635 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.9	51.7
148	63.2	44.2	82.2

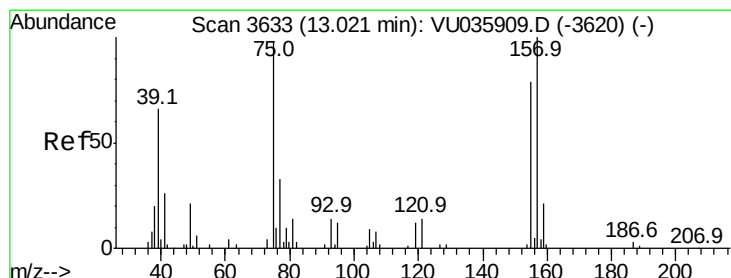
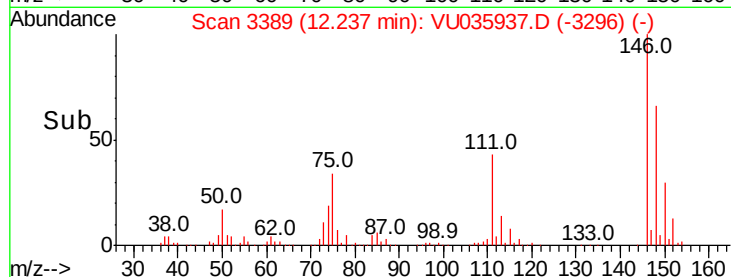
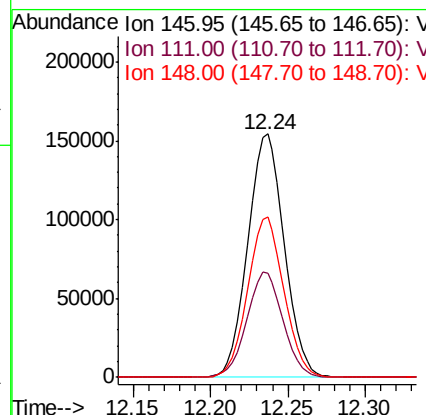
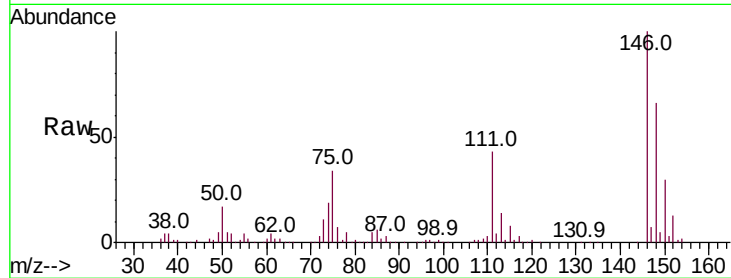




#65
 1,2-Dichlorobenzene
 Concen: 4.660 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

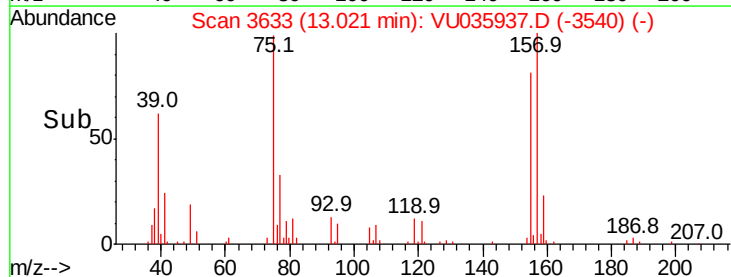
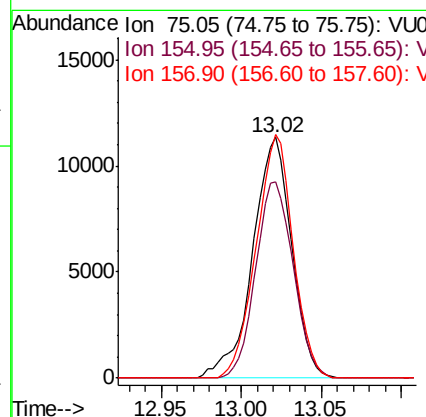
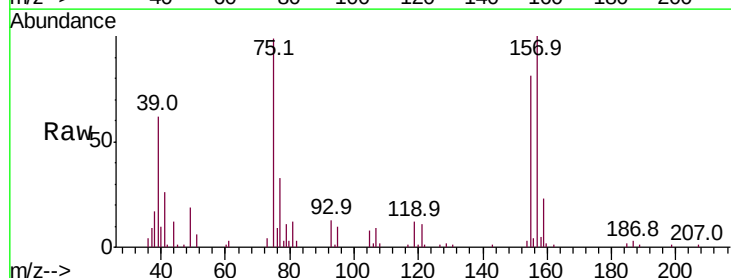
Instrument :
 MSVOA_U
 ClientSampleId :

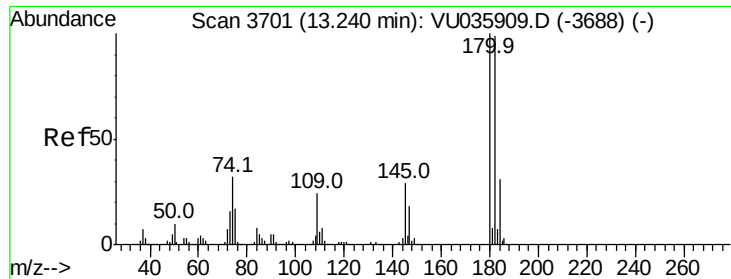
Tot Ion:146 Resp: 253594
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.4 53.0
 148 65.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.202 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion: 75 Resp: 18922
 Ion Ratio Lower Upper
 75 100
 155 81.5 55.4 83.2
 157 101.2 69.4 104.2

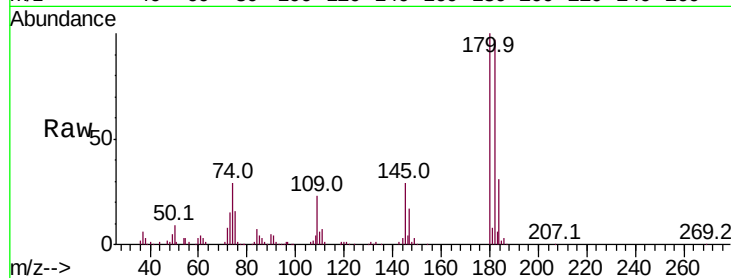




#67
 1,3,5-Trichlorobenzene
 Concen: 5.219 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.6	113.4
184	30.7	24.1	36.1
145	28.3	23.7	35.5



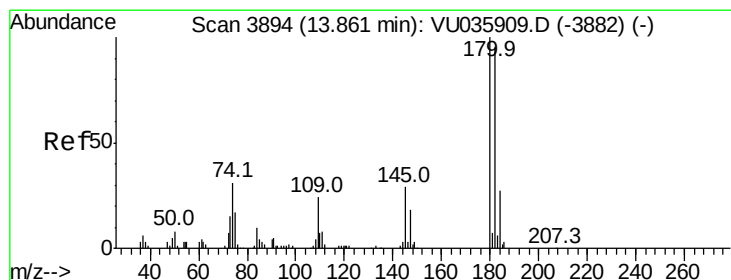
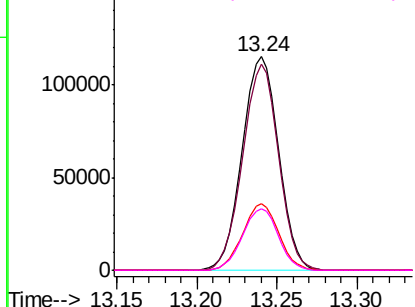
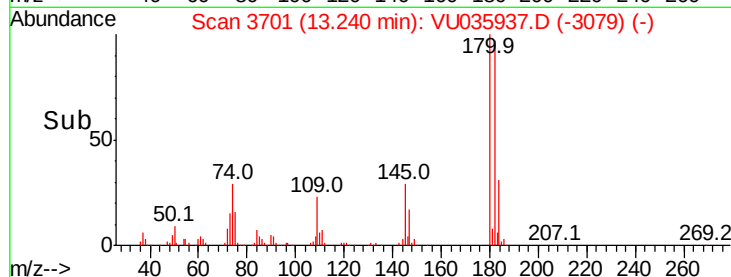
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

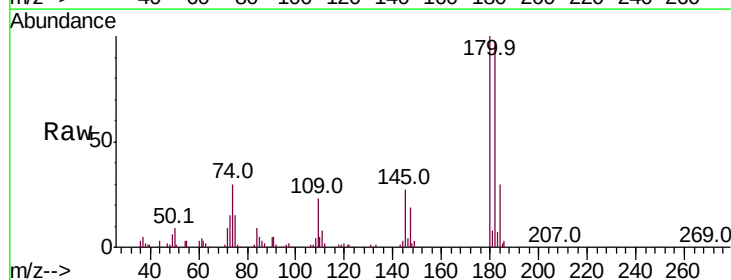
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.612 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035937.D
 Acq: 02 Dec 2019 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.1	112.7
145	28.3	24.0	36.0

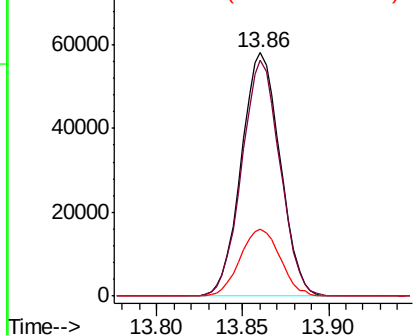
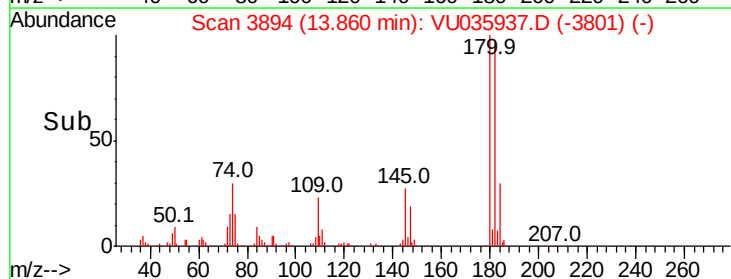


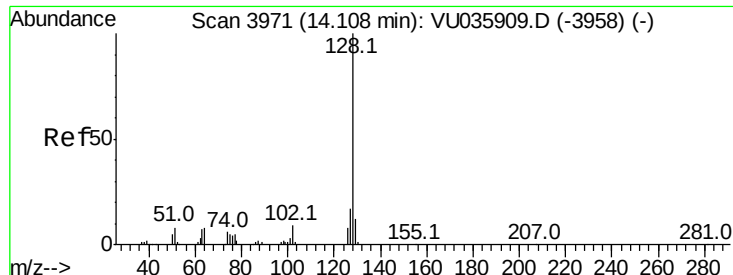
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

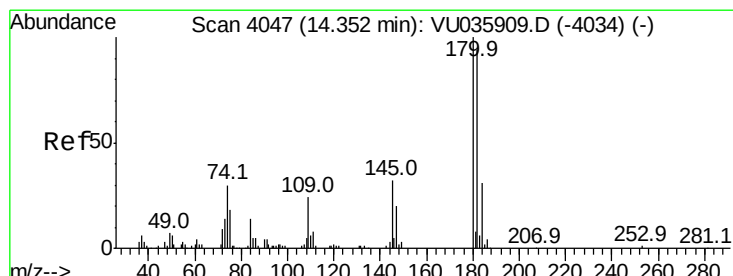
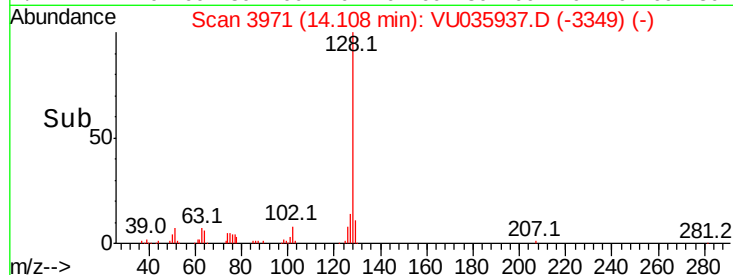
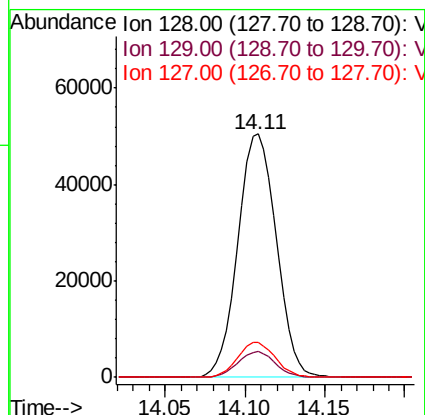
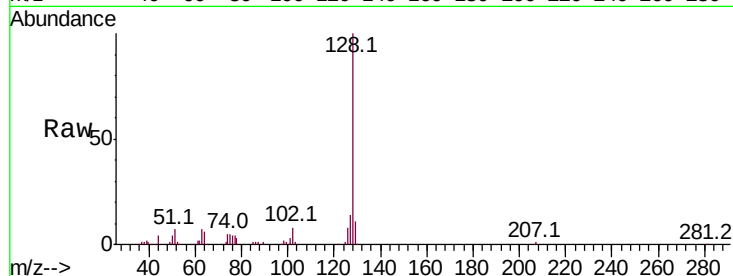




#69
Naphthalene
Concen: 2.978 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 82626
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 14.1 11.8 17.6



#70
1,2,3-Trichlorobenzene
Concen: 4.800 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. -0.00 min
Lab File: VU035937.D
Acq: 02 Dec 2019 16:33

Tgt Ion:180 Resp: 91971
Ion Ratio Lower Upper
180 100
182 94.5 77.4 116.0
145 29.2 24.7 37.1

