

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035262.D
 Acq On : 18 Oct 2019 13:05
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:37:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 13:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	343454	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	326445	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	159944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88051	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.93	69	85168	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.60	63	174011	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.71	46	290874	48.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.66%
24) Chloroform-d	5.11	84	184884	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	98913	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.77	84	336785	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.74	67	113199	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.93	98	313925	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.21	79	50383	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.68	63	244030	48.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	103967	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	128195	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	139046	4.757	ug/L 98
3) Chloromethane	1.54	50	144546	4.985	ug/L 99
5) Vinyl chloride	1.62	62	142991	4.802	ug/L 98
6) Bromomethane	1.87	94	81158	4.616	ug/L 99
8) Chloroethane	1.95	64	87866	4.576	ug/L 100
9) Trichlorofluoromethane	2.16	101	185286	4.660	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	109097	4.763	ug/L 98
12) 1,1-Dichloroethene	2.61	96	103169	4.676	ug/L 93
13) Acetone	2.68	43	202591	48.394	ug/L 99
14) Carbon disulfide	2.82	76	322409	4.621	ug/L 100
15) Methyl Acetate	3.00	43	44924	4.307	ug/L 97
16) Methylene chloride	3.08	84	117282	4.418	ug/L 96
17) Methyl tert-butyl Ether	3.43	73	274361	4.620	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	112460	4.723	ug/L 92
19) 1,1-Dichloroethane	3.92	63	210127	4.879	ug/L 99
21) 2-Butanone	4.79	43	310683	45.534	ug/L 100
22) cis-1,2-Dichloroethene	4.72	96	126280	4.798	ug/L 99

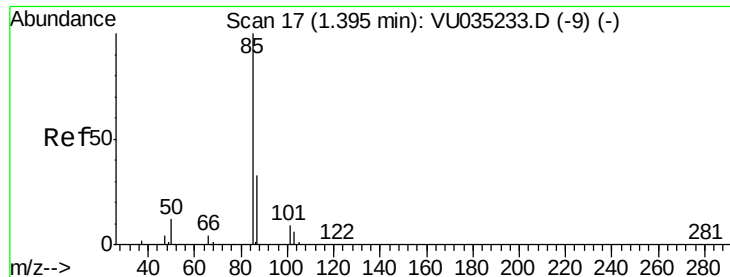
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035262.D
 Acq On : 18 Oct 2019 13:05
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:37:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 13:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54254	4.789	ug/L	97
25) Chloroform	5.14	83	219599	4.648	ug/L	100
27) 1,2-Dichloroethane	5.84	62	141542	4.885	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	182610	4.775	ug/L	99
30) Cyclohexane	5.43	56	186475	4.553	ug/L	97
31) Carbon tetrachloride	5.57	117	164004	4.763	ug/L	99
33) Benzene	5.82	78	468749	4.880	ug/L	100
34) Trichloroethene	6.58	95	124317	4.814	ug/L	99
35) Methylcyclohexane	6.80	83	203554	4.717	ug/L	99
37) 1,2-Dichloropropane	6.84	63	117569	4.822	ug/L	100
38) Bromodichloromethane	7.15	83	156296	4.758	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	189835	4.651	ug/L	99
40) 4-Methyl-2-pentanone	7.85	43	754444	45.834	ug/L	99
42) Toluene	8.01	91	508426	4.795	ug/L	97
44) trans-1,3-Dichloropropene	8.25	75	152921	4.585	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	87968	4.859	ug/L	99
47) Tetrachloroethene	8.58	164	100849	4.688	ug/L	97
48) 2-Hexanone	8.74	43	535089	46.353	ug/L	99
49) Dibromochloromethane	8.84	129	106588	4.644	ug/L	97
50) 1,2-Dibromoethane	8.96	107	86262	4.767	ug/L	99
51) Chlorobenzene	9.48	112	328260	4.795	ug/L	99
52) Ethylbenzene	9.60	91	572013	4.744	ug/L	99
53) m,p-Xylene	9.73	106	213608	4.692	ug/L	98
54) o-Xylene	10.13	106	212767	4.788	ug/L	96
55) Styrene	10.14	104	350837	4.850	ug/L	99
56) Isopropylbenzene	10.51	105	570981	4.777	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	114728	4.925	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	81386	4.791	ug/L	98
61) Bromoform	10.32	173	64462	4.351	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	258260	4.732	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	256272	4.776	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	245185	4.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	15472	4.272	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	168532	4.983	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	114500	5.085	ug/L	99
69) Naphthalene	14.11	128	158259	5.121	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	112868	5.361	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.757 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

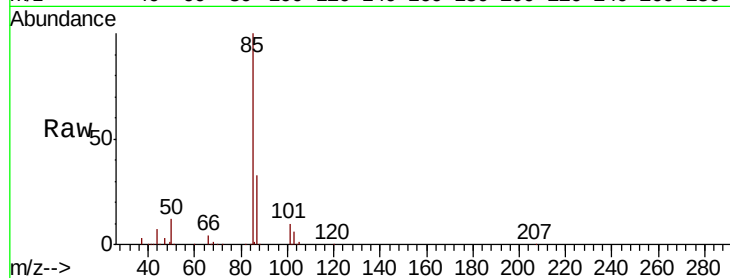
ClientSampleId :

Tot Ion: 85 Resp: 139046

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035233.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035233.D (-9) (-)

1.39

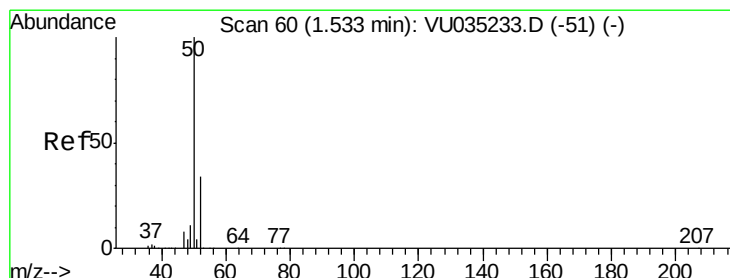
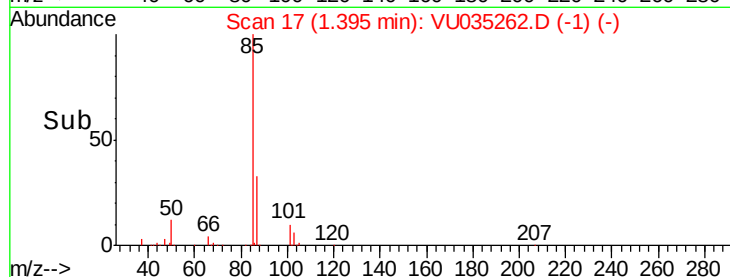
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.985 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035262.D

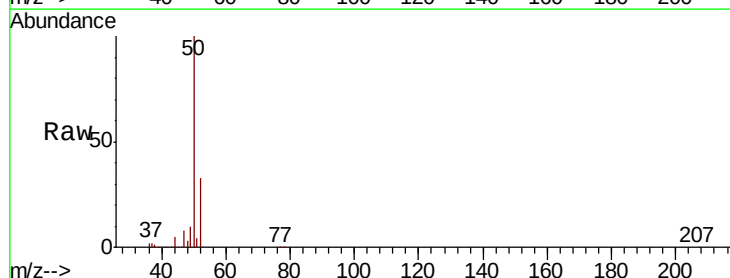
Acq: 18 Oct 2019 13:05

Tgt Ion: 50 Resp: 144546

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035233.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035233.D (-51) (-)

1.54

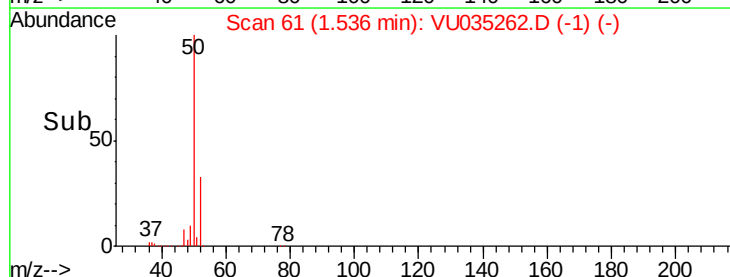
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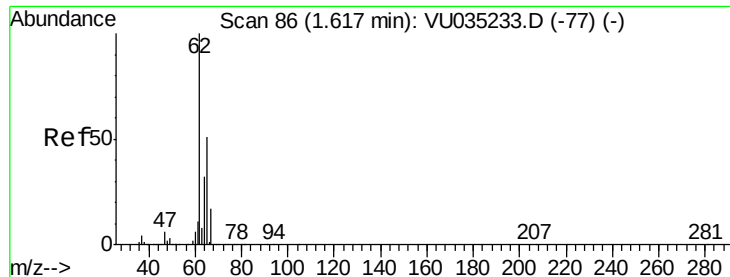
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50000

0

Time-->





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

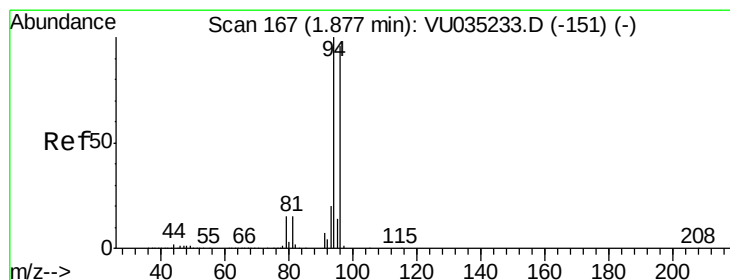
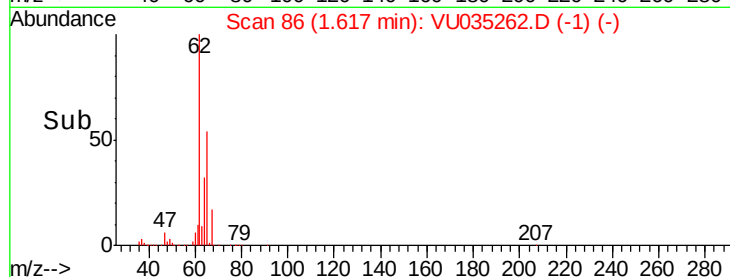
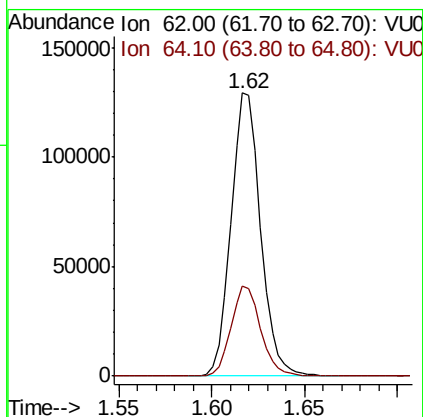
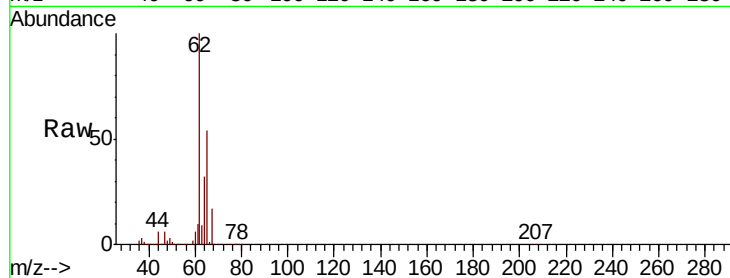
ClientSampled :

Tot Ion: 62 Resp: 142991

Ion Ratio Lower Upper

62 100

64 31.6 22.9 42.5



#6

Bromomethane

Concen: 4.616 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035262.D

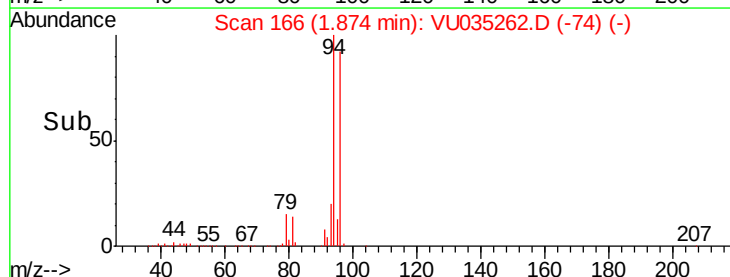
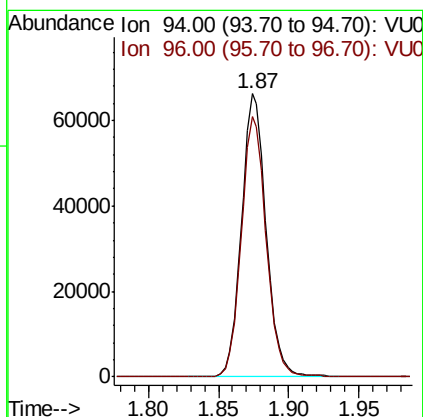
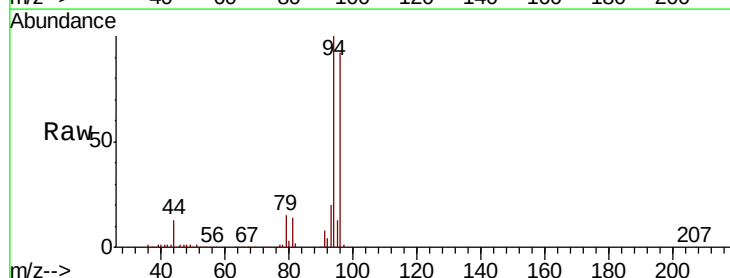
Acq: 18 Oct 2019 13:05

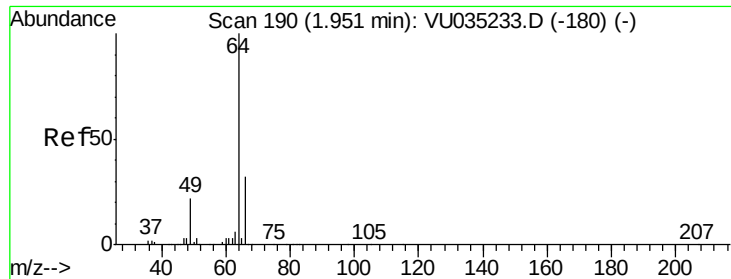
Tgt Ion: 94 Resp: 81158

Ion Ratio Lower Upper

94 100

96 91.8 64.6 120.0

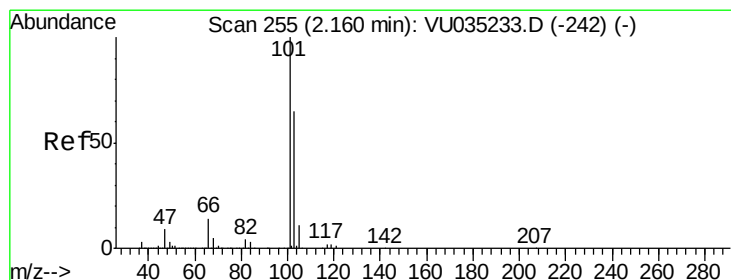
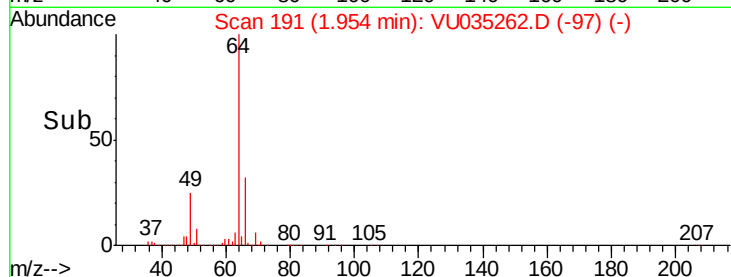
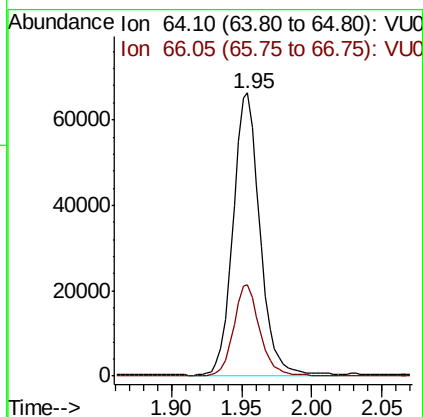
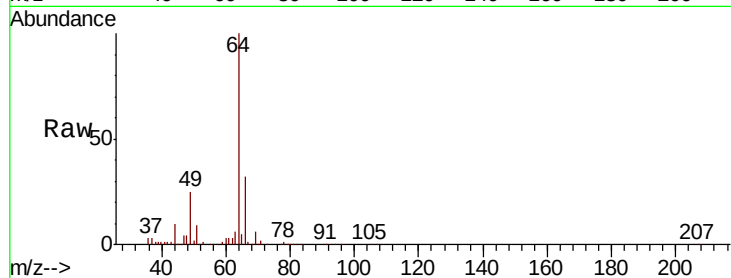




#8
Chloroethane
Concen: 4.576 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

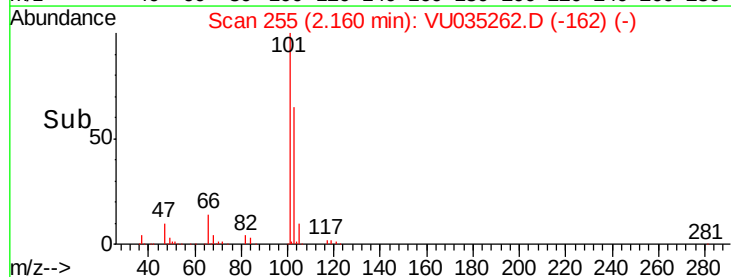
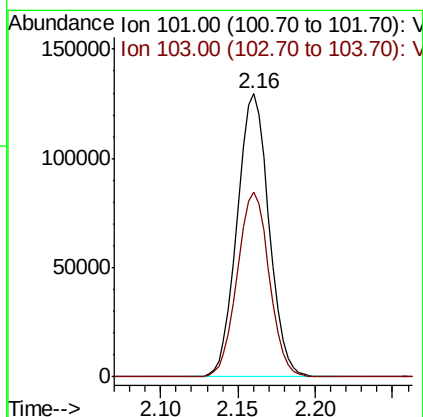
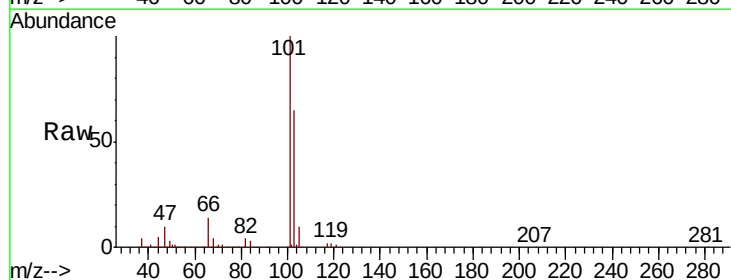
Instrument :
MSVOA_U
ClientSampleId :

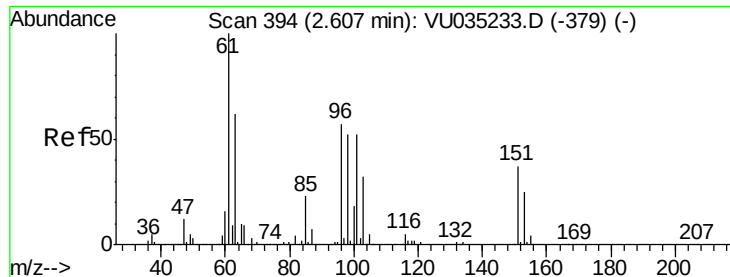
Tot Ion: 64 Resp: 87866
Ion Ratio Lower Upper
64 100
66 32.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.660 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion:101 Resp: 185286
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9





#10

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

Concen: 4.763 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035262.D

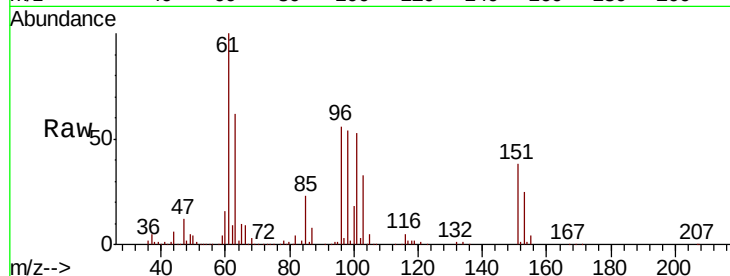
Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

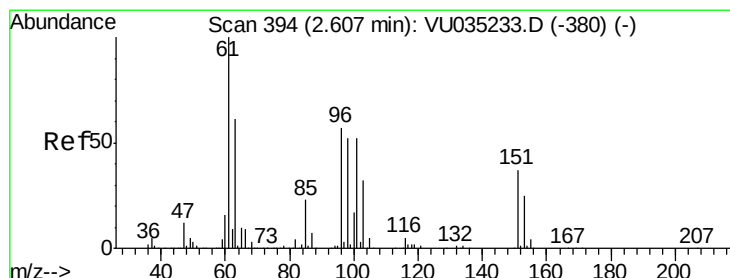
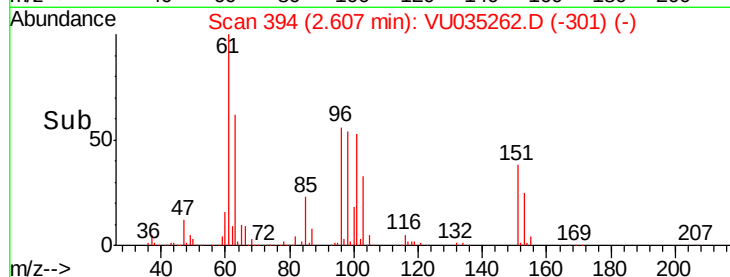
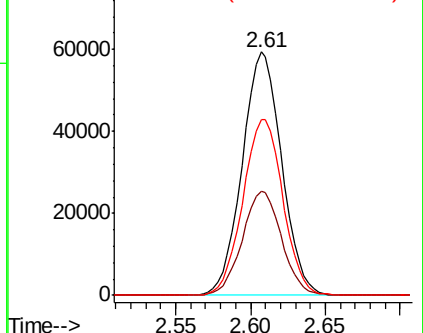
Tot Ion:	101	Resp:	109097
Ion	Ratio	Lower	Upper
101	100		
85	42.6	33.9	50.9
151	73.3	61.0	91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.676 ug/L

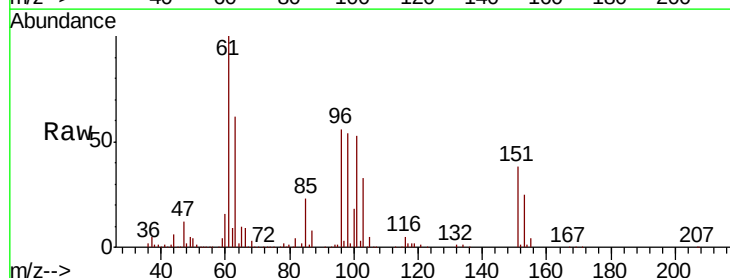
RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

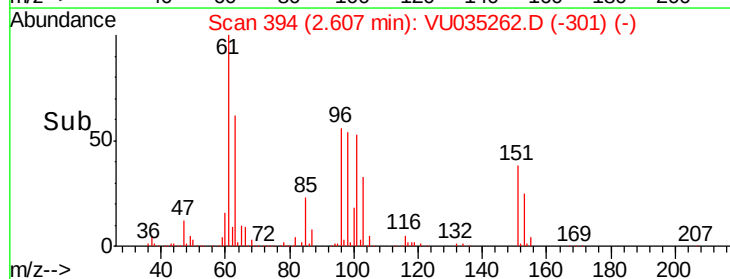
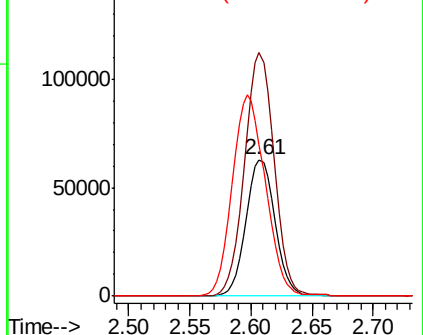
Tgt Ion:	96	Resp:	103169
Ion	Ratio	Lower	Upper
96	100		
61	178.2	120.6	224.0
63	110.9	86.8	161.2

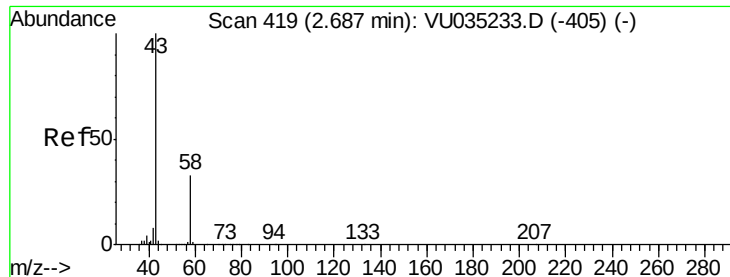


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.394 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

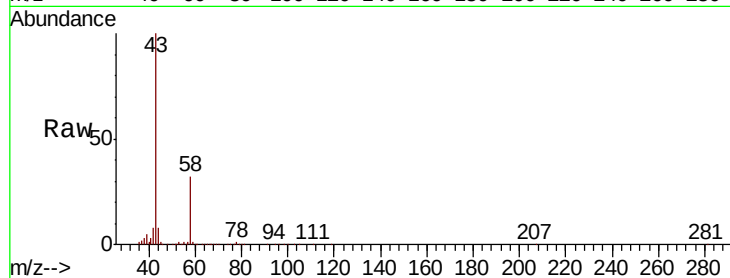
ClientSampleId :

Tot Ion: 43 Resp: 202591

Ion Ratio Lower Upper

43 100 0.0 61.8

58 31.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035233.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035233.D (-405) (-)

2.68

100000

80000

60000

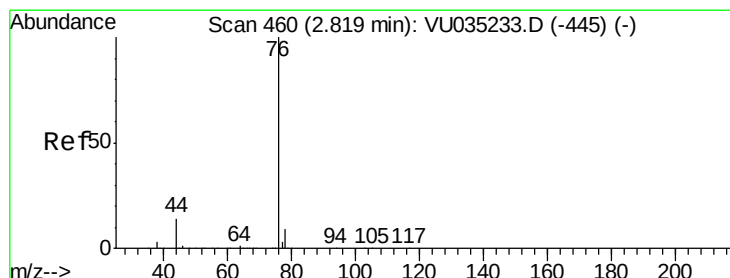
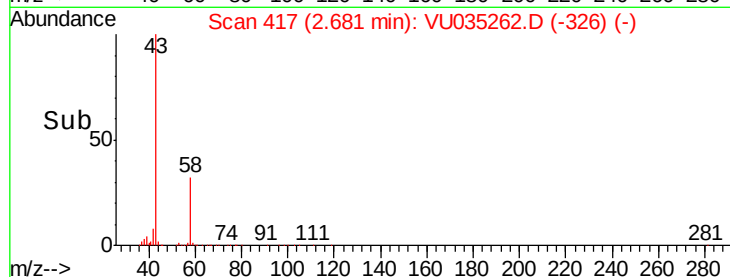
40000

20000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.621 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035262.D

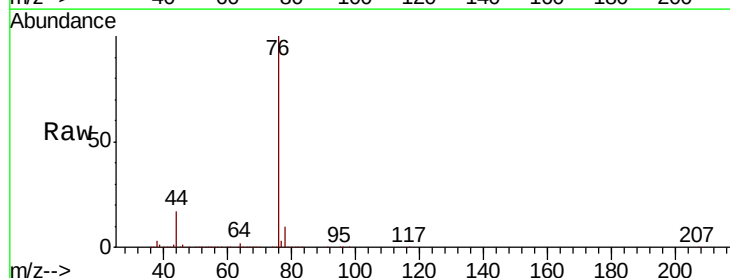
Acq: 18 Oct 2019 13:05

Tgt Ion: 76 Resp: 322409

Ion Ratio Lower Upper

76 100 7.6 11.4

78 9.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035233.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035233.D (-445) (-)

2.82

200000

150000

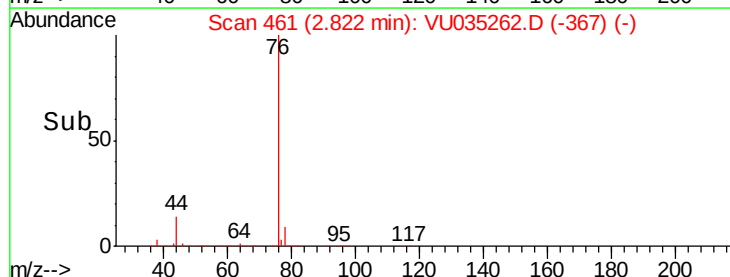
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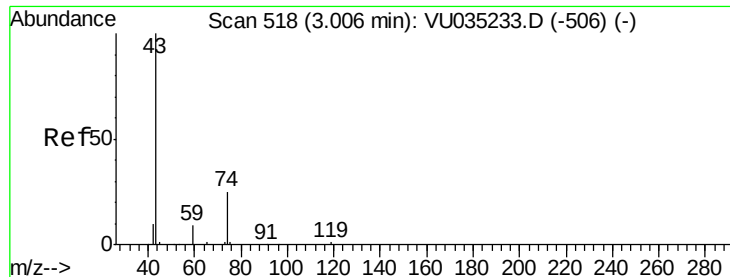
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2.70 2.80 2.90

Time-->

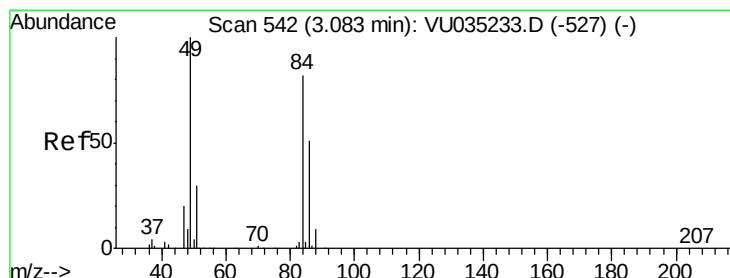
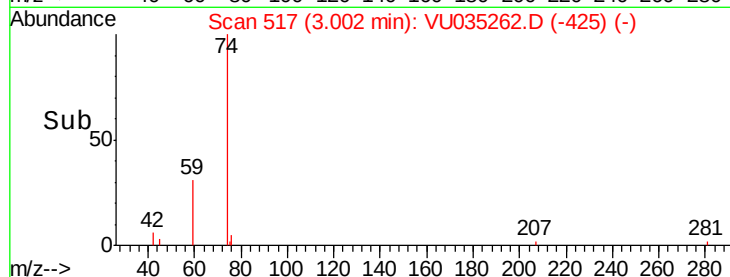
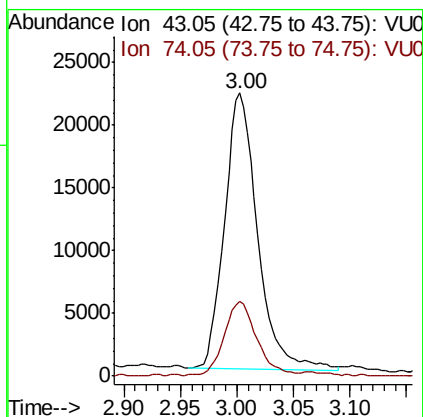
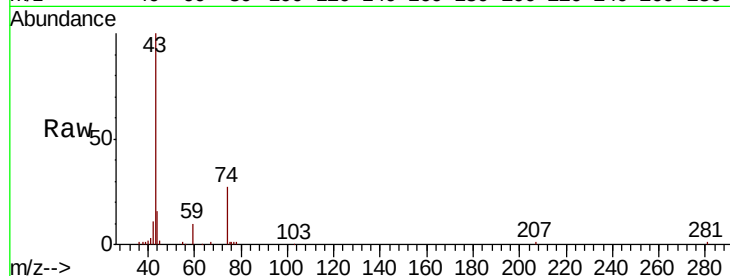




#15
Methyl Acetate
Concen: 4.307 ug/L
RT: 3.00 min Scan# 517
Delta R.T. -0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

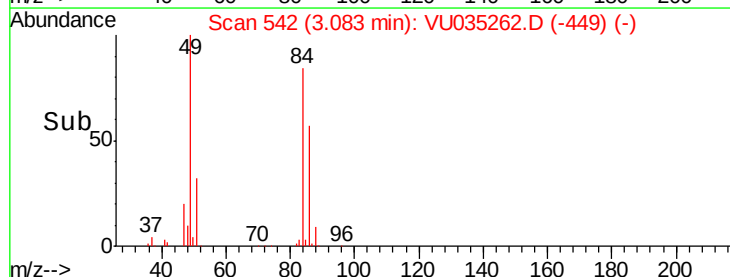
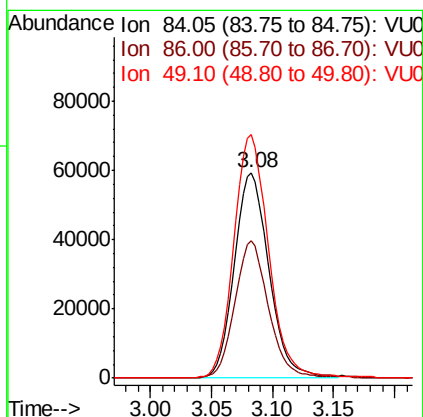
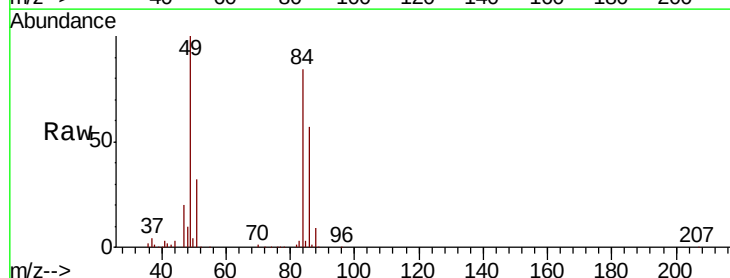
Instrument :
MSVOA_U
ClientSampled :

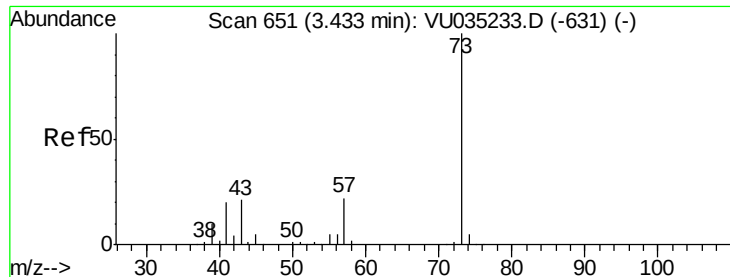
Tot Ion: 43 Resp: 44924
Ion Ratio Lower Upper
43 100
74 27.0 20.3 30.5



#16
Methylene chloride
Concen: 4.418 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion: 84 Resp: 117282
Ion Ratio Lower Upper
84 100
86 67.1 45.4 84.2
49 118.5 86.8 161.2

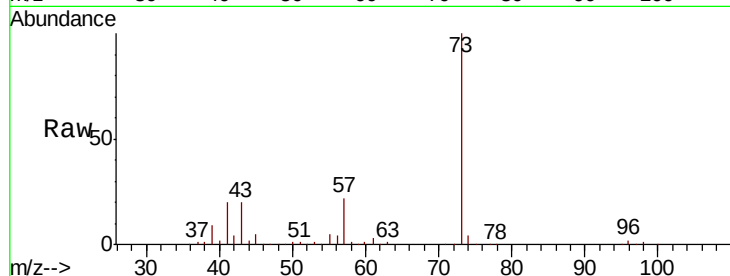




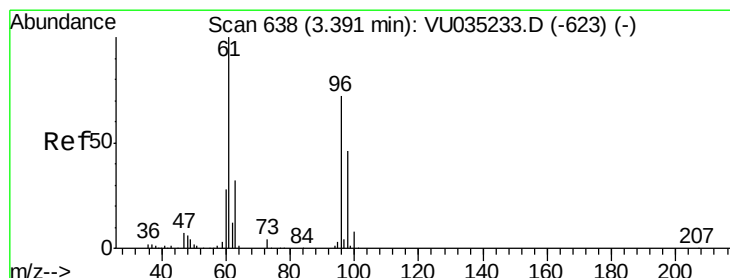
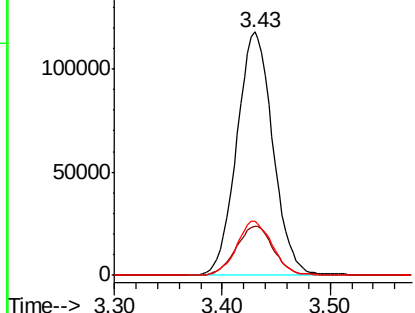
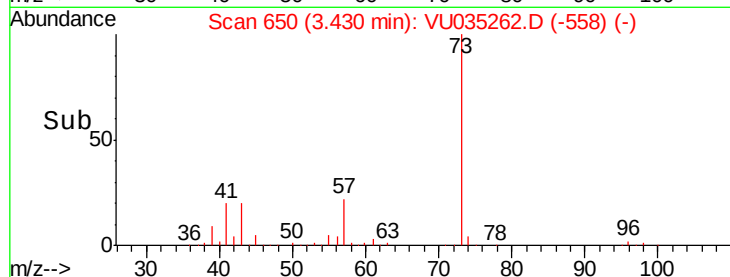
#17
Methyl tert-butyl Ether
Concen: 4.620 ug/L
RT: 3.43 min Scan# 650
Delta R.T. -0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 274361
Ion Ratio Lower Upper
73 100
43 20.5 16.0 24.0
57 22.2 17.4 26.2

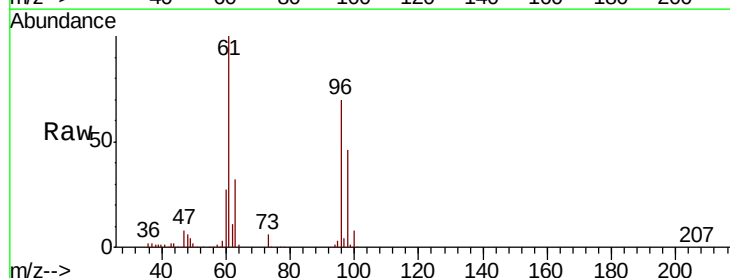


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

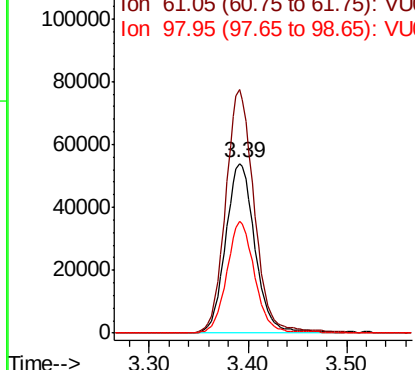
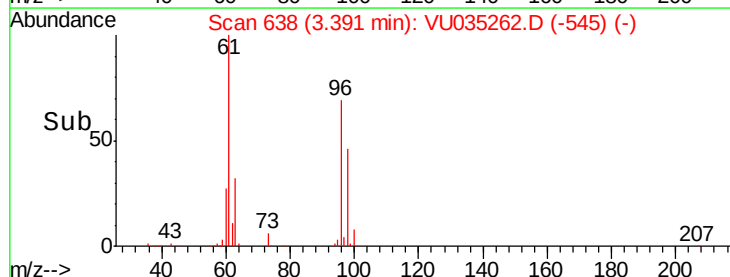


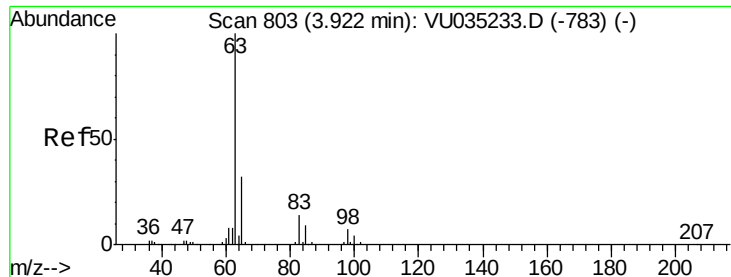
#18
trans-1,2-Dichloroethene
Concen: 4.723 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion: 96 Resp: 112460
Ion Ratio Lower Upper
96 100
61 143.6 93.0 172.6
98 65.6 43.7 81.1



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

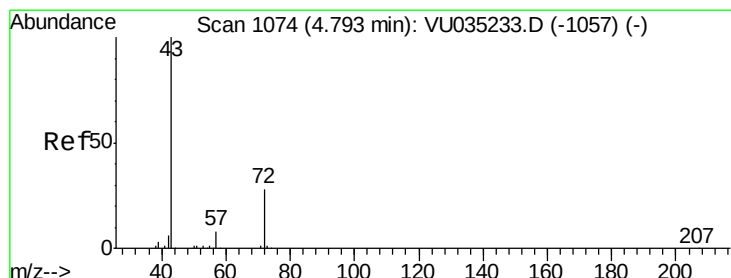
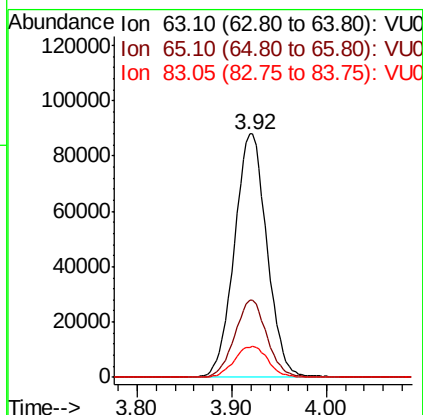
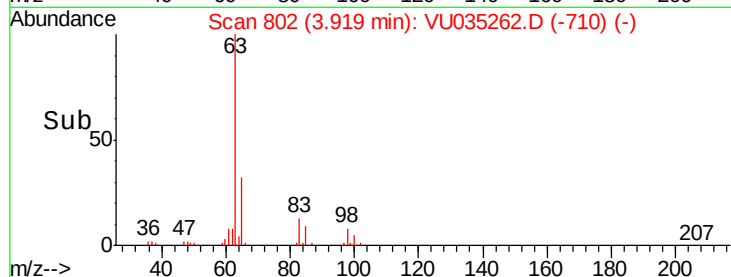
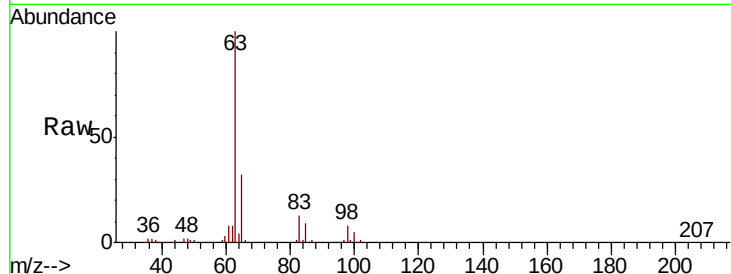




#19
 1,1-Dichloroethane
 Concen: 4.879 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

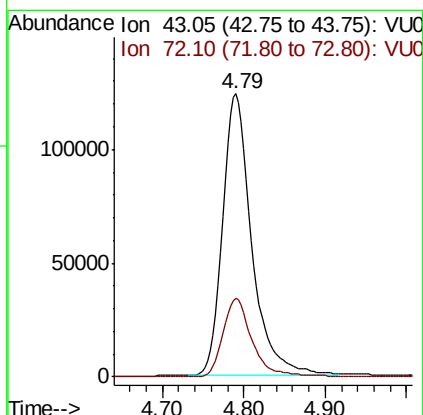
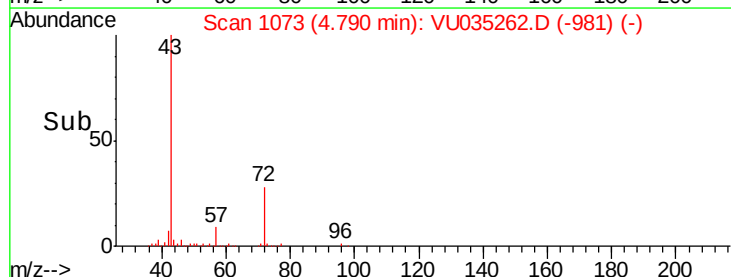
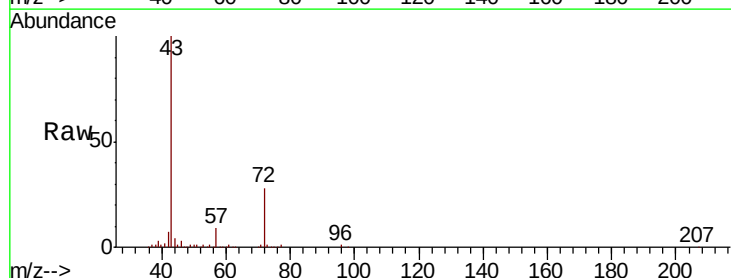
Instrument :
 MSVOA_U
 ClientSampled :

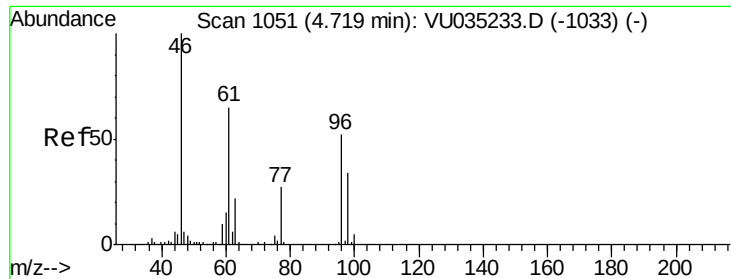
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.4	41.6
83	12.5	9.3	17.3



#21
 2-Butanone
 Concen: 45.534 ug/L
 RT: 4.79 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.3	13.6	40.8





#22

cis-1,2-Dichloroethene

Concen: 4.798 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

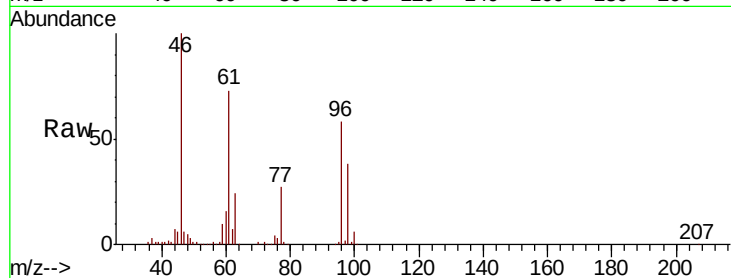
Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 126280

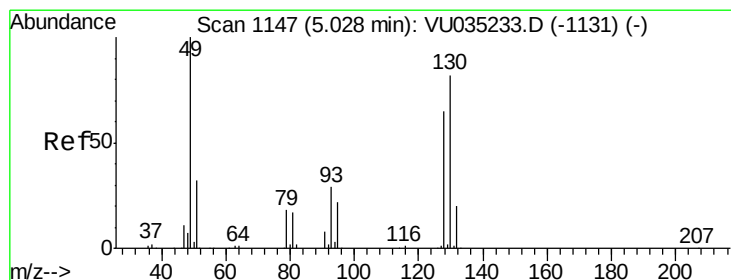
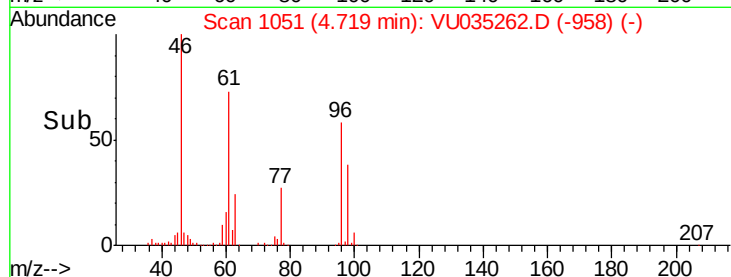
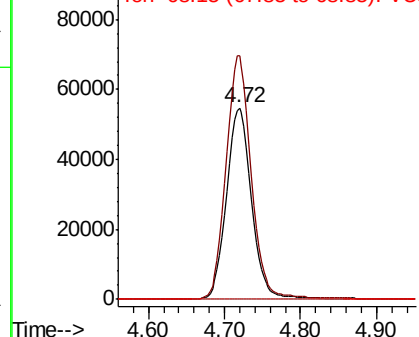
Ion	Ratio	Lower	Upper
96	100		
61	127.1	89.7	166.5
68	0.0	0.0	0.0



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: 4.789 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Tgt Ion: 128 Resp: 54254

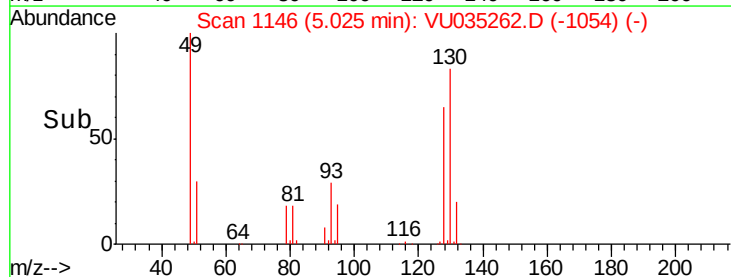
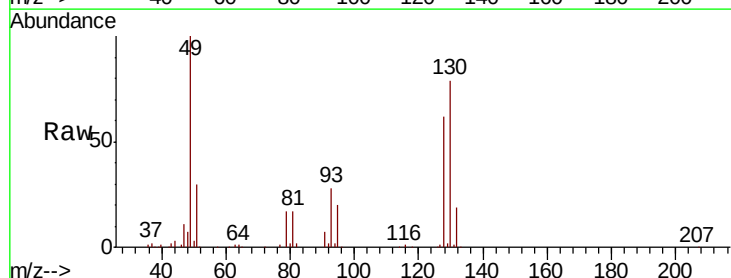
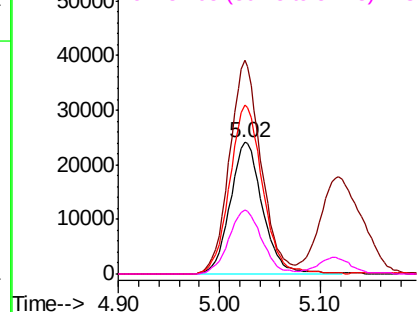
Ion	Ratio	Lower	Upper
128	100		
49	162.5	109.3	203.1
130	128.2	88.7	164.7
51	49.1	39.2	58.8

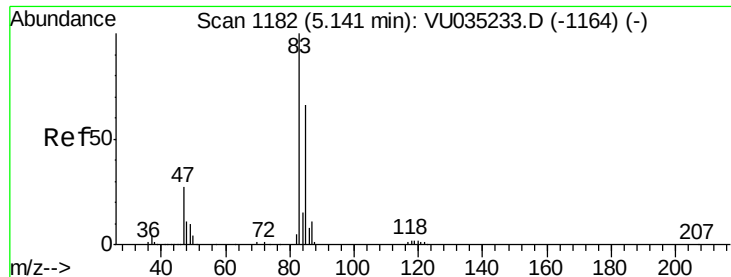
Abundance Ion 127.90 (127.60 to 128.60): V

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

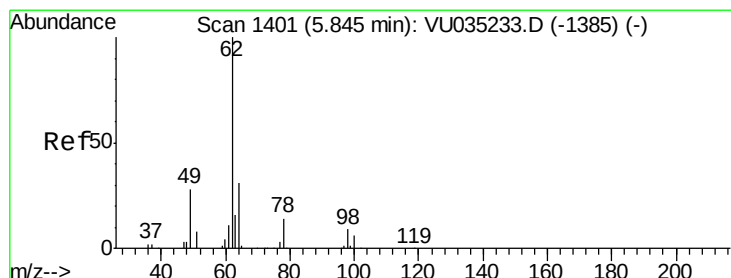
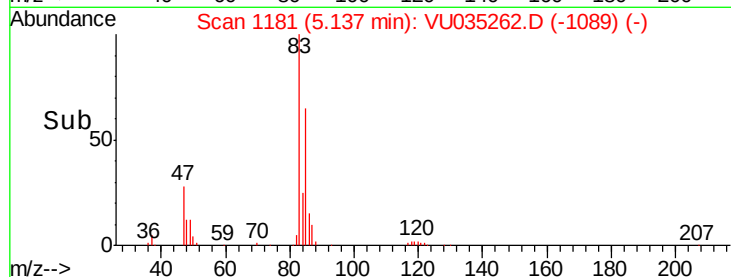
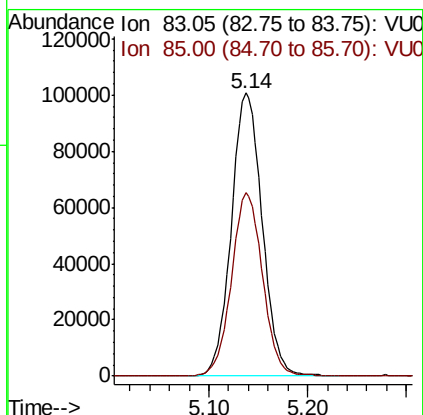
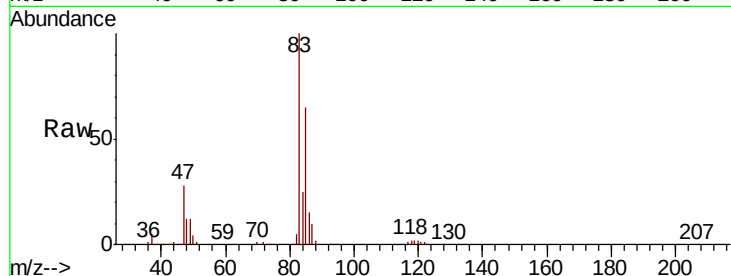




#25
Chloroform
Concen: 4.648 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

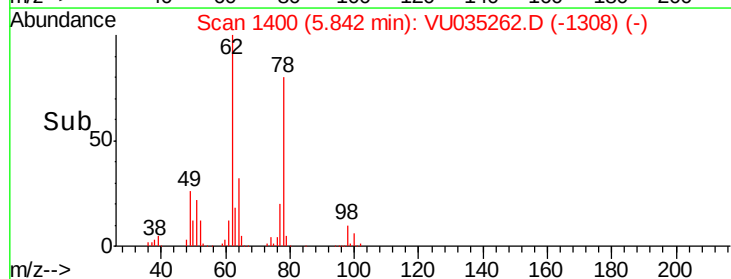
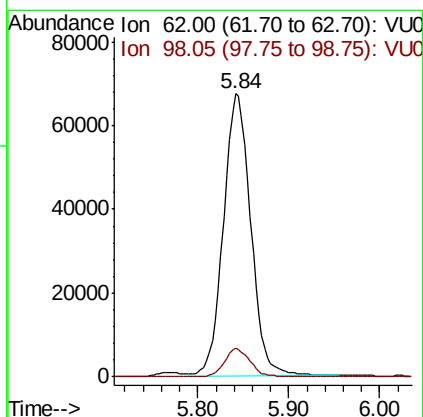
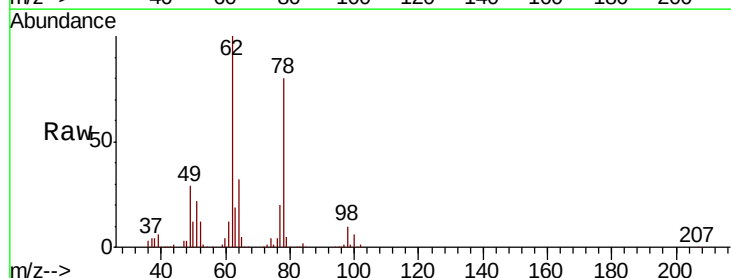
Instrument :
MSVOA_U
ClientSampleId :

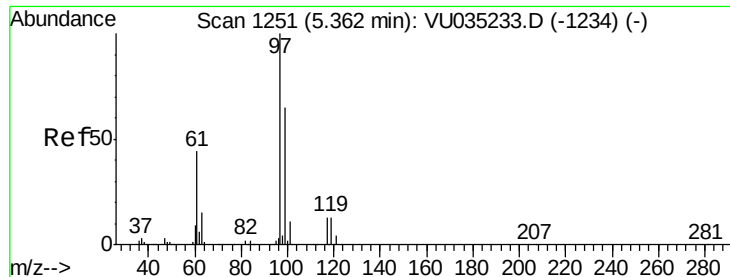
Tot Ion: 83 Resp: 219599
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.885 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion: 62 Resp: 141542
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.6

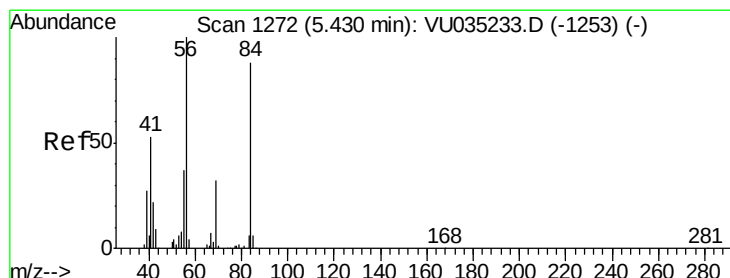
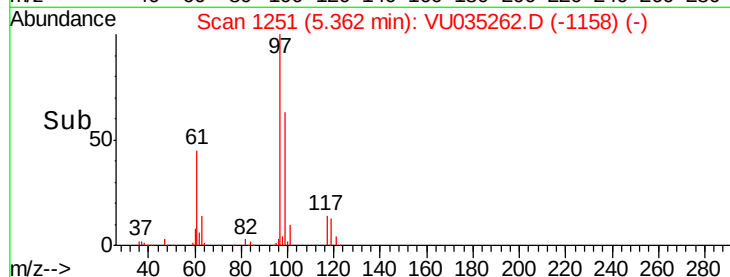
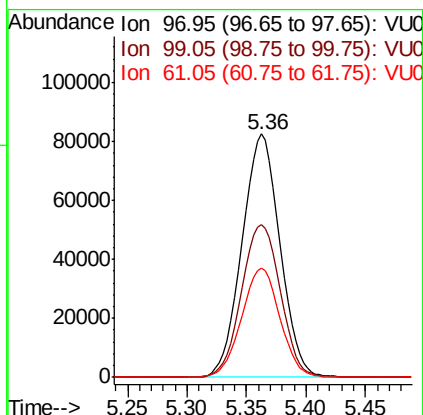
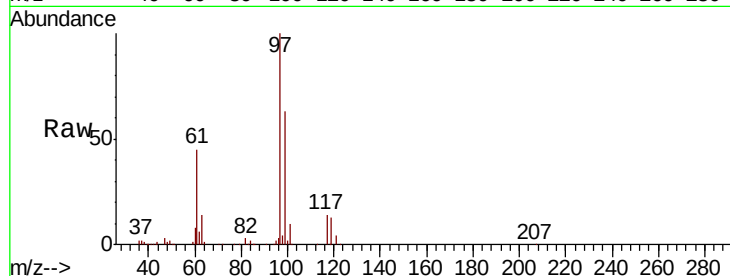




#29
 1,1,1-Trichloroethane
 Concen: 4.775 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

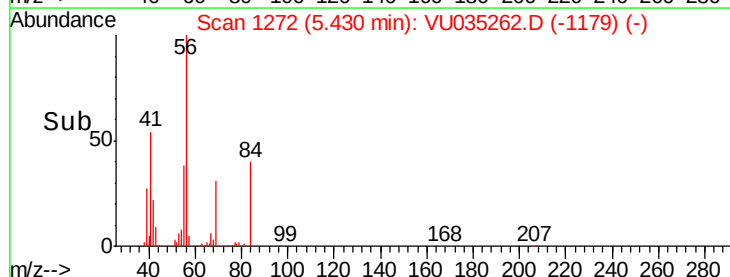
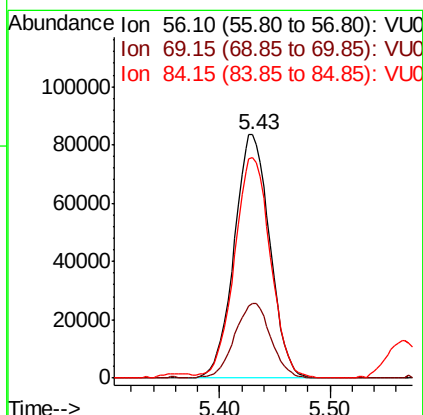
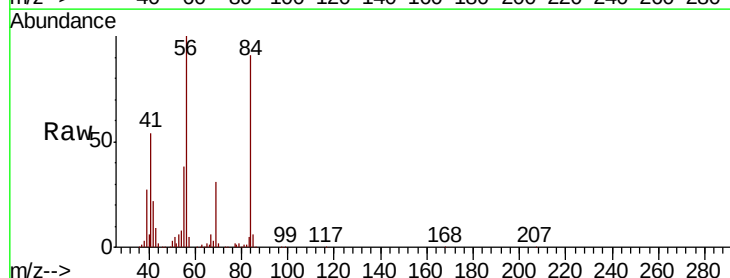
Instrument :
 MSVOA_U
 ClientSampleId :

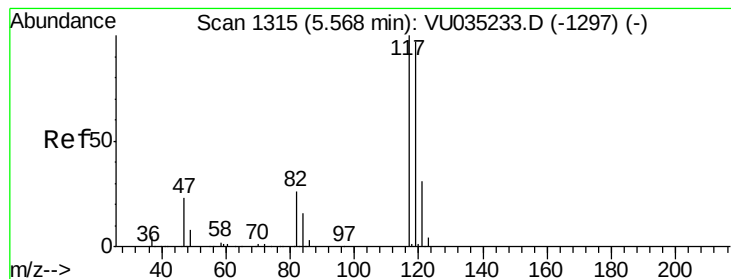
Tot Ion	97	Resp	182610
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.6	79.0
61	45.5	37.0	55.4



#30
 Cyclohexane
 Concen: 4.553 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion	56	Resp	186475
Ion Ratio	Lower	Upper	
56	100		
69	31.3	24.6	36.8
84	92.3	71.5	107.3





#31

Carbon tetrachloride

Concen: 4.763 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

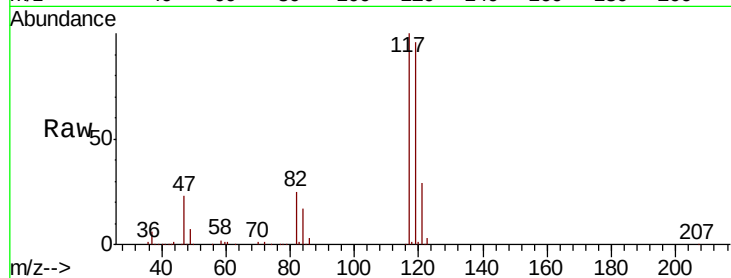
ClientSampleId :

Tot Ion:117 Resp: 164004

Ion Ratio Lower Upper

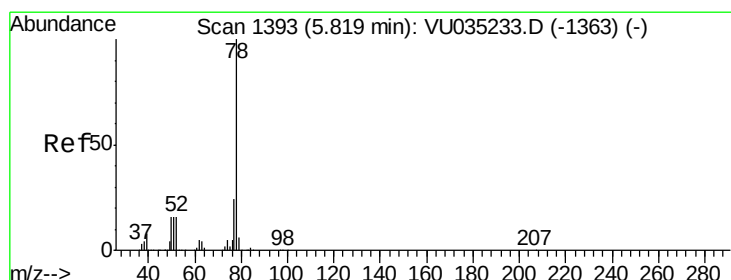
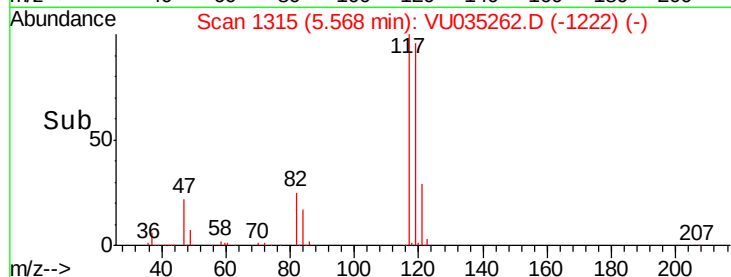
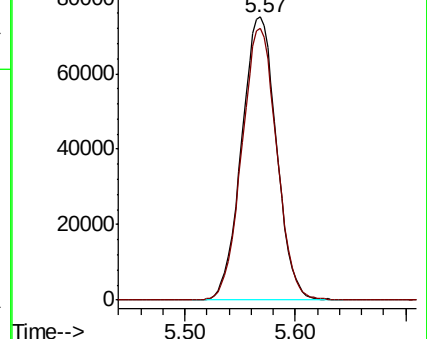
117 100

119 96.0 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.880 ug/L

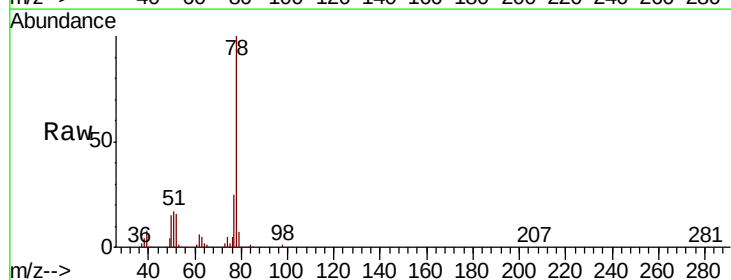
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

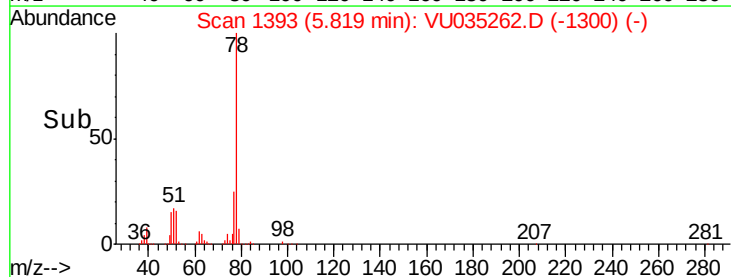
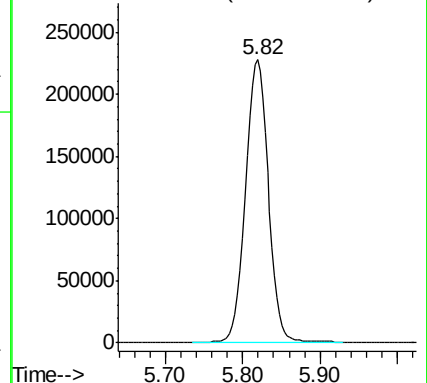
Lab File: VU035262.D

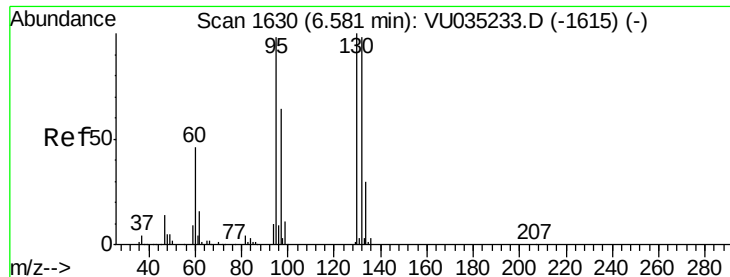
Acq: 18 Oct 2019 13:05

Tgt Ion: 78 Resp: 468749



Abundance Ion 78.10 (77.80 to 78.80): VU0

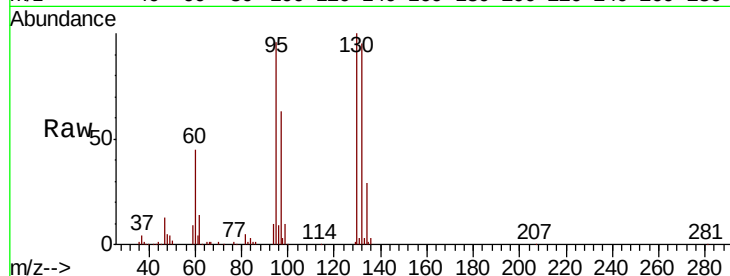




#34
 Trichloroethene
 Concen: 4.814 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	124317
Ion	Ratio	Lower	Upper
95	100		
97	65.2	46.6	86.6
132	98.9	68.7	127.7
130	103.8	73.9	137.3



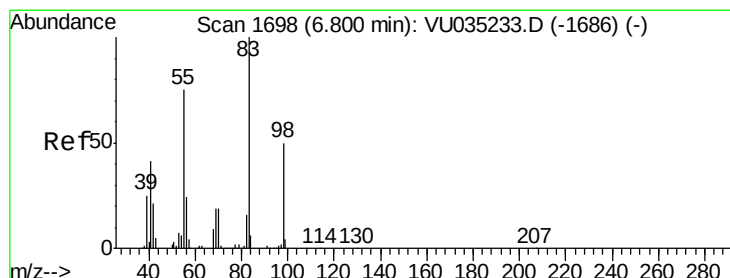
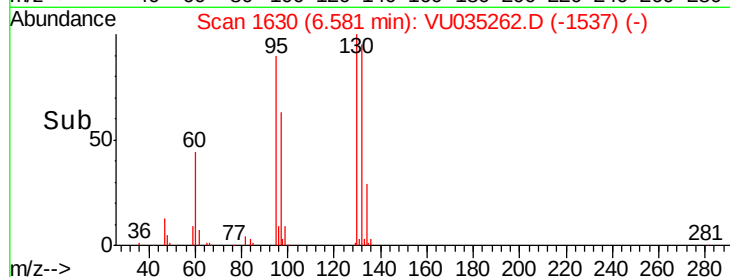
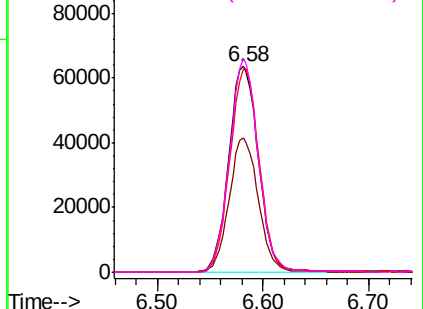
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

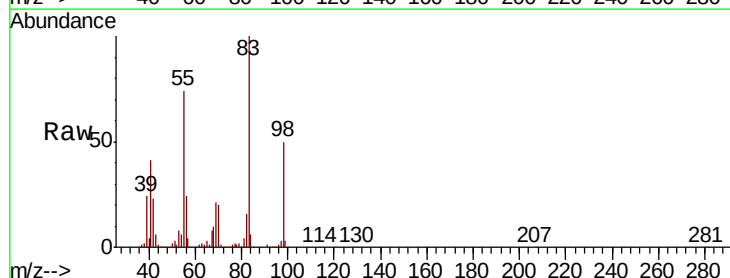
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 4.717 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion:	83	Resp:	203554
Ion	Ratio	Lower	Upper
83	100		
55	74.3	60.4	90.6
98	48.7	39.5	59.3

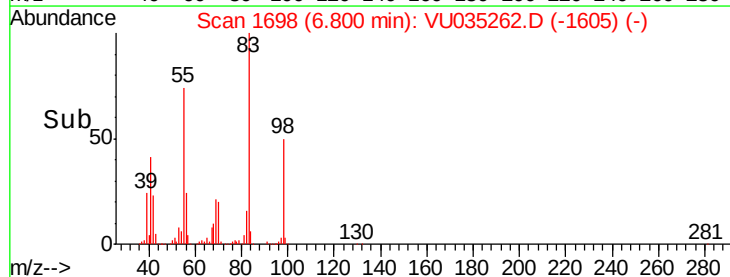
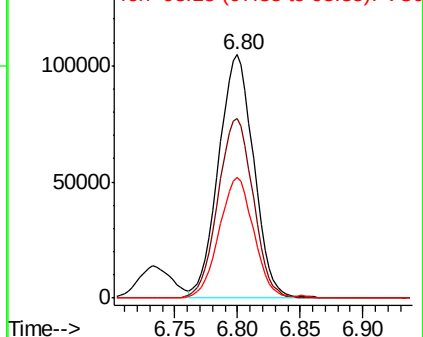


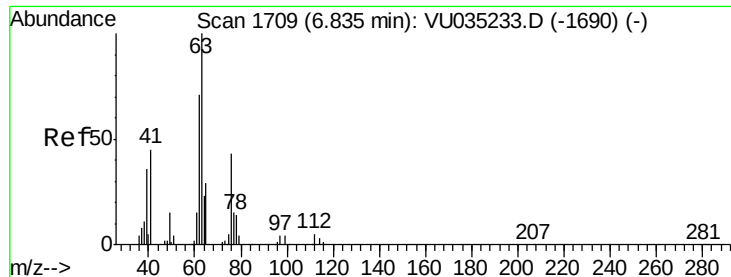
Abundance

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

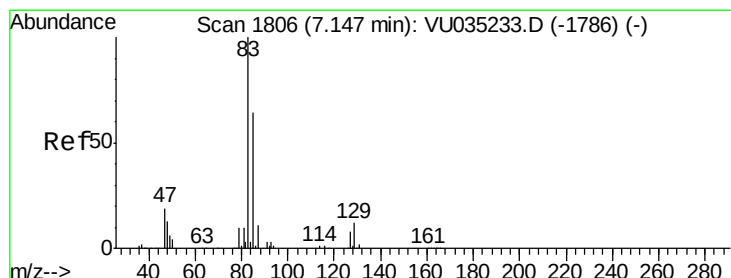
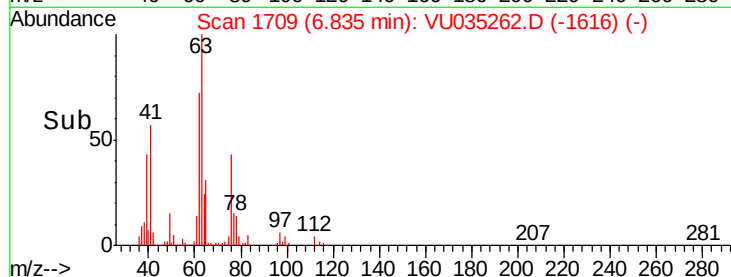
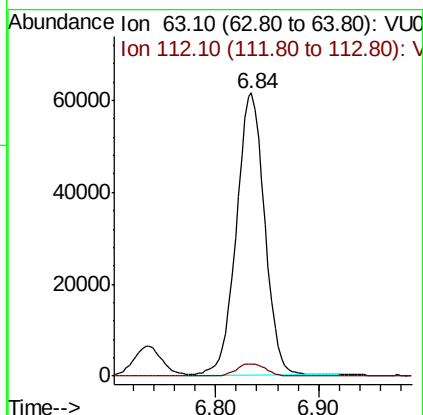
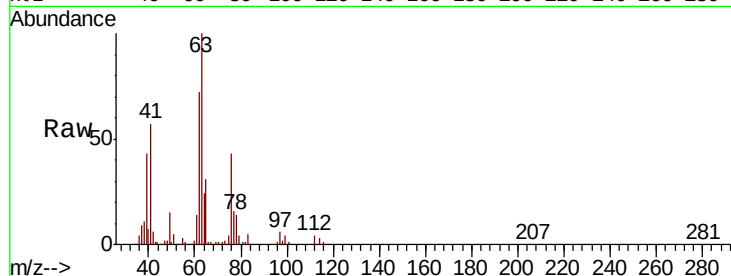




#37
 1,2-Dichloropropane
 Concen: 4.822 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

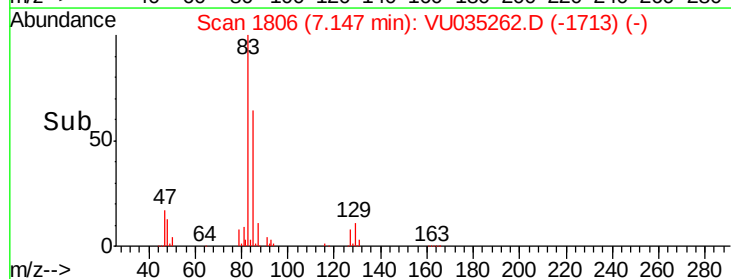
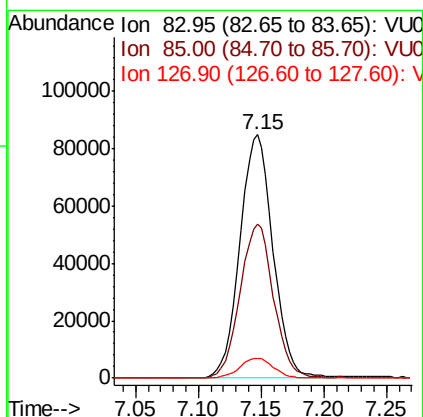
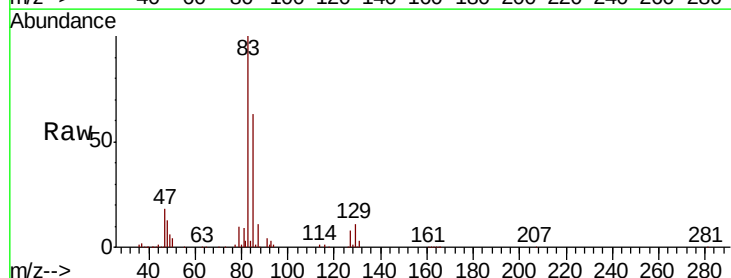
Instrument :
 MSVOA_U
 ClientSampleId :

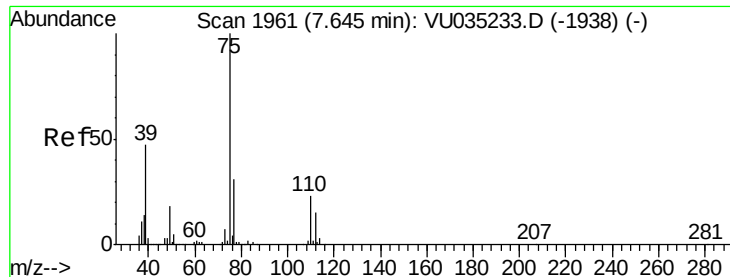
Tot Ion: 63 Resp: 117569
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.758 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion: 83 Resp: 156296
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.6 84.8
 127 8.1 6.9 10.3

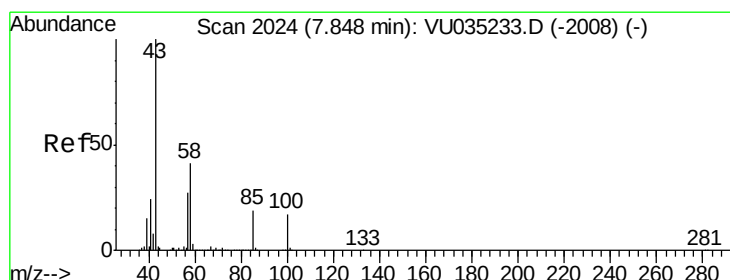
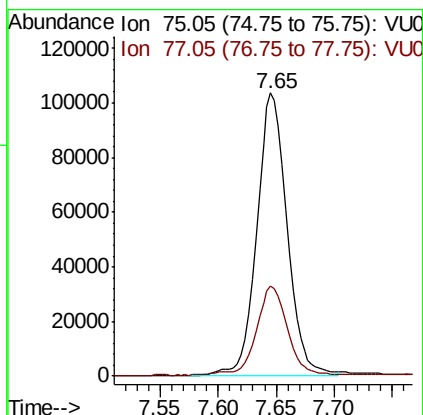
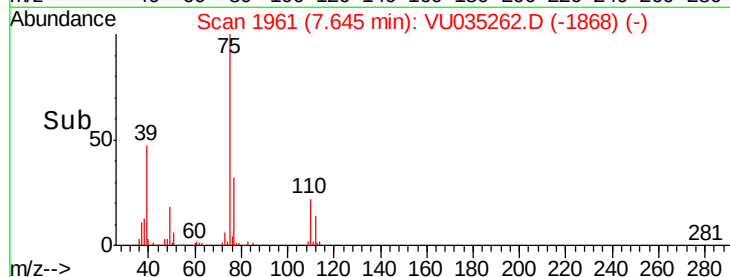
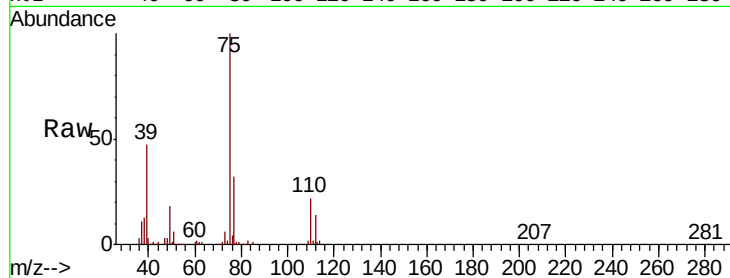




#39
 cis-1,3-Dichloropropene
 Concen: 4.651 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

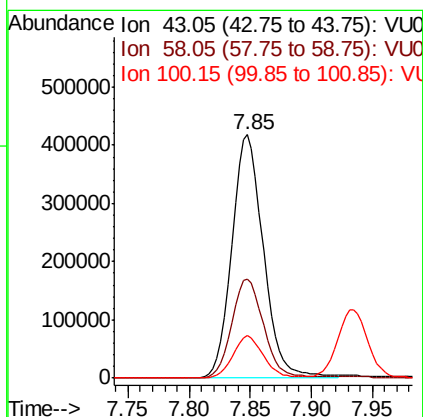
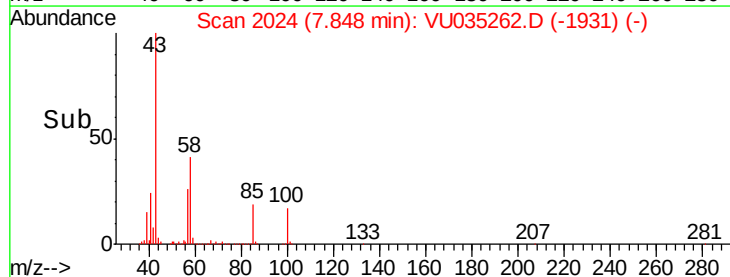
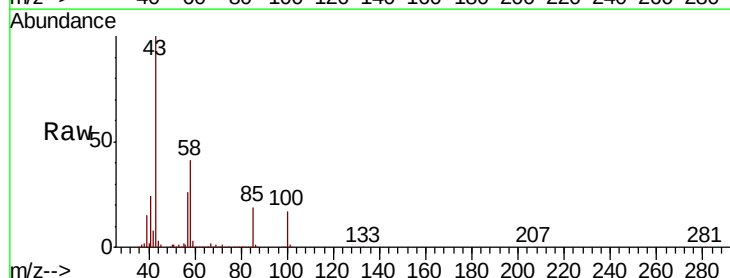
Instrument :
 MSVOA_U
 ClientSampleId :

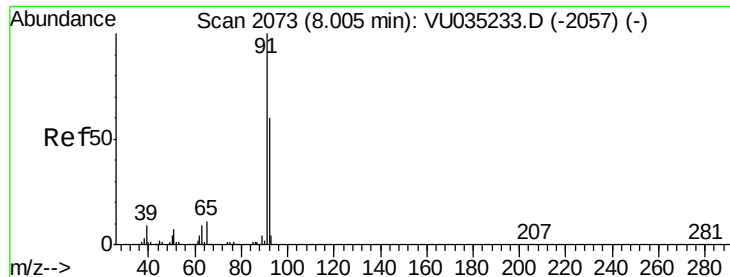
Tot Ion: 75 Resp: 189835
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 45.834 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion: 43 Resp: 754444
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.3 48.5
 100 16.8 13.4 20.2





#42

Toluene

Concen: 4.795 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

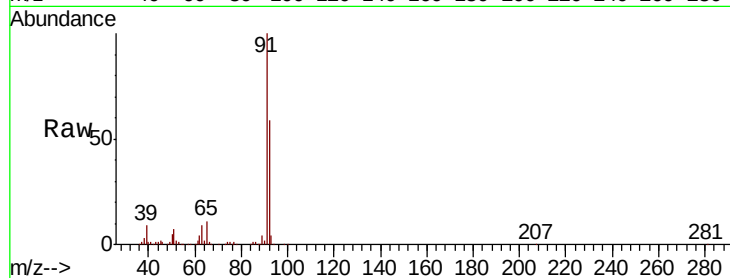
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 508426

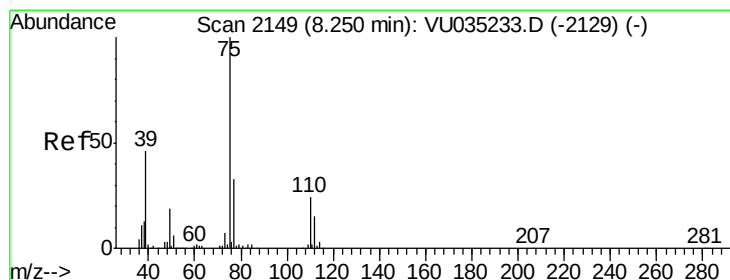
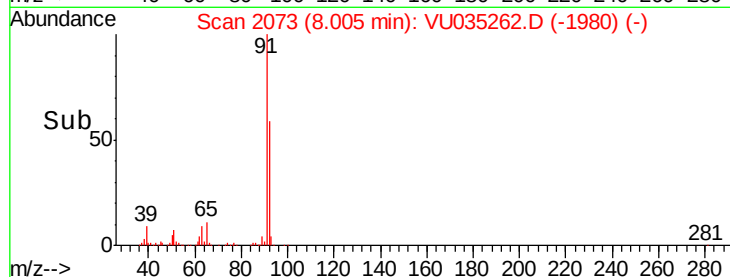
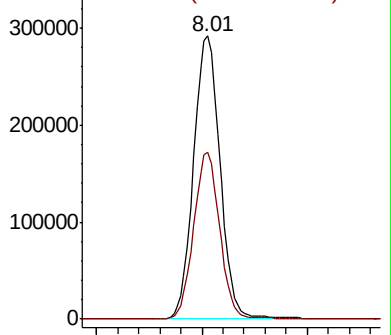
Ion Ratio Lower Upper

91 100

92 59.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035233.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.585 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035262.D

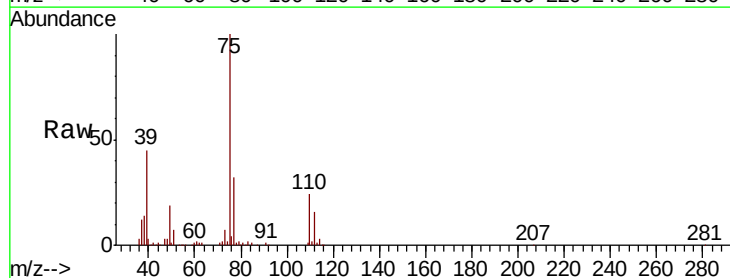
Acq: 18 Oct 2019 13:05

Tgt Ion: 75 Resp: 152921

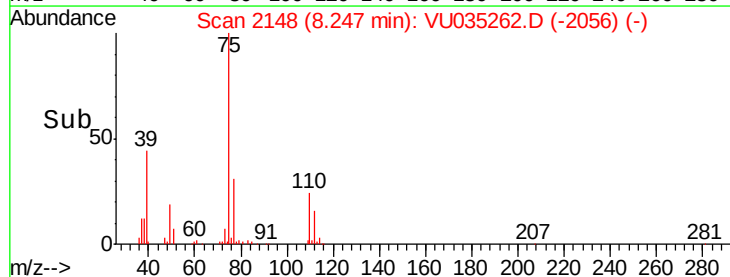
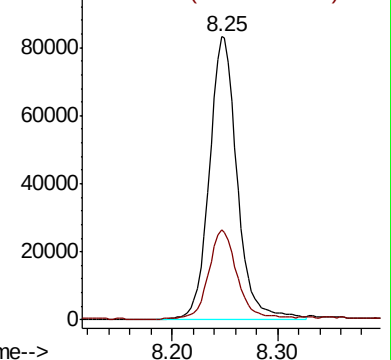
Ion Ratio Lower Upper

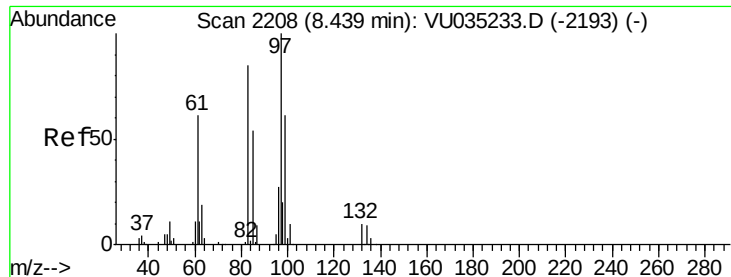
75 100

77 31.8 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035233.D (-2129) (-)





#45

1,1,2-Trichloroethane

Concen: 4.859 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 87968

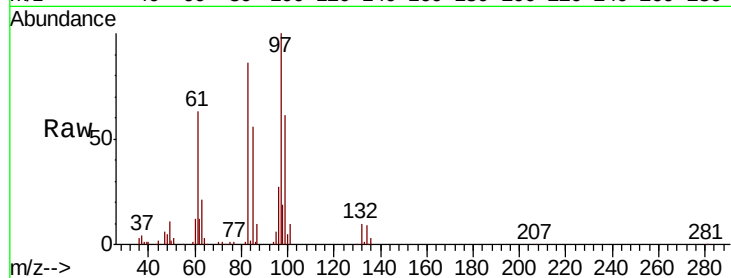
Ion Ratio Lower Upper

97 100

99 61.4 42.9 79.7

83 85.7 60.4 112.2

85 55.9 38.4 71.2

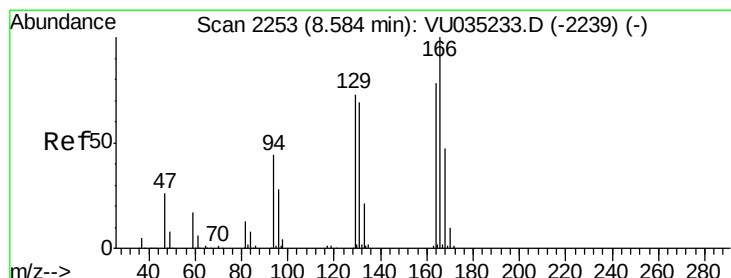
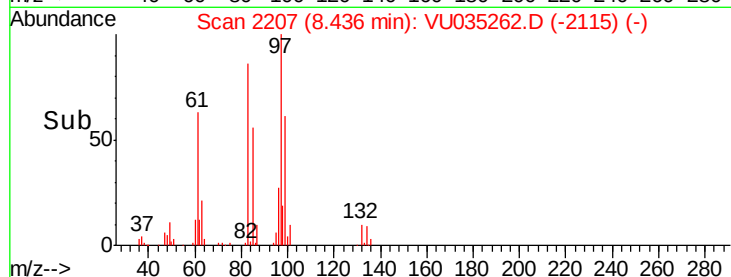
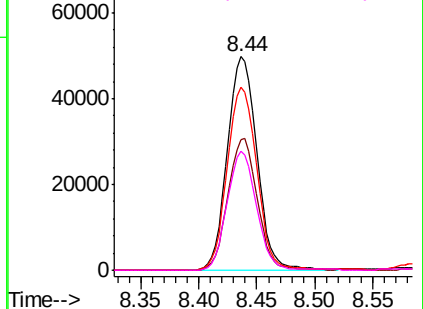


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.688 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Tgt Ion: 164 Resp: 100849

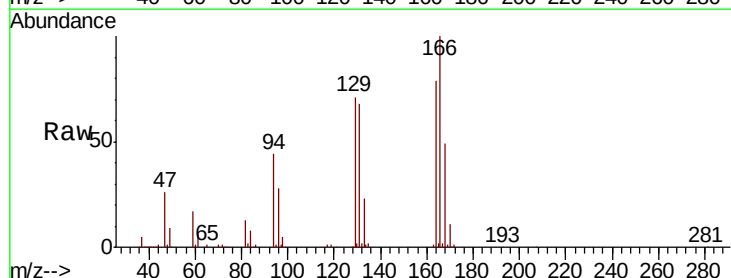
Ion Ratio Lower Upper

164 100

129 90.1 65.2 121.0

131 86.4 62.9 116.9

166 126.9 91.5 169.9

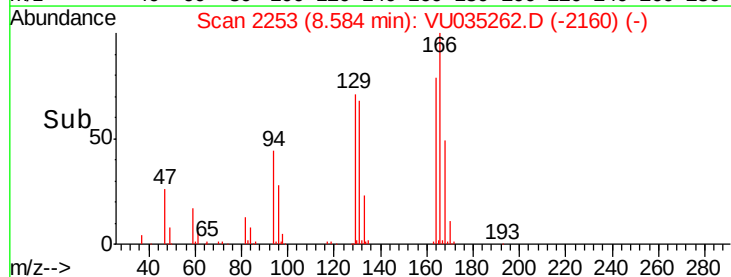
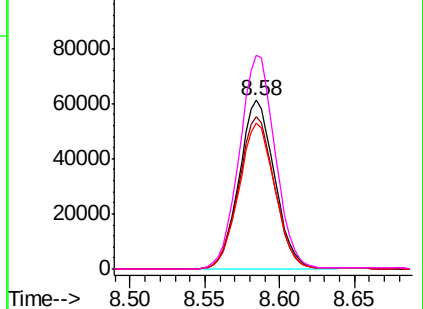


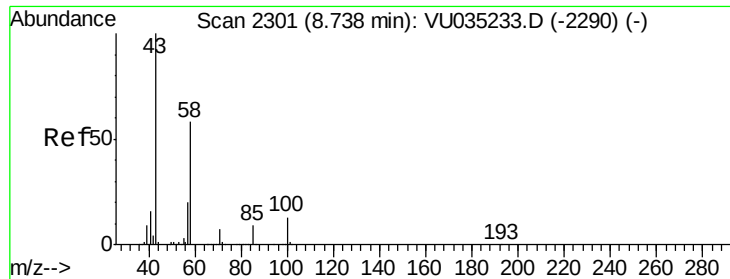
Abundance Ion 163.90 (163.60 to 164.60): V

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

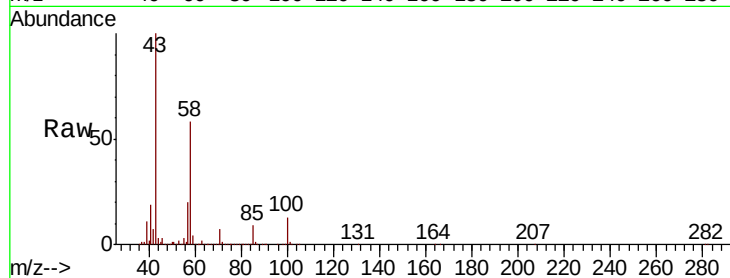




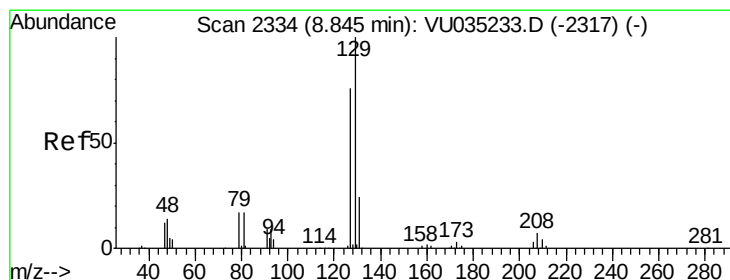
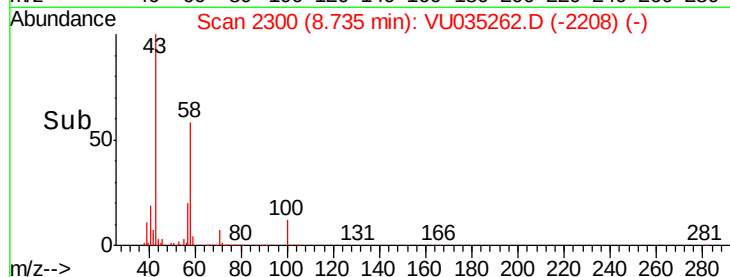
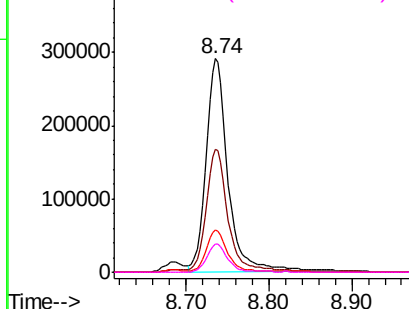
#48
2-Hexanone
Concen: 46.353 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 535089
Ion Ratio Lower Upper
43 100
58 56.1 45.1 67.7
57 19.0 16.0 24.0
100 12.8 10.4 15.6

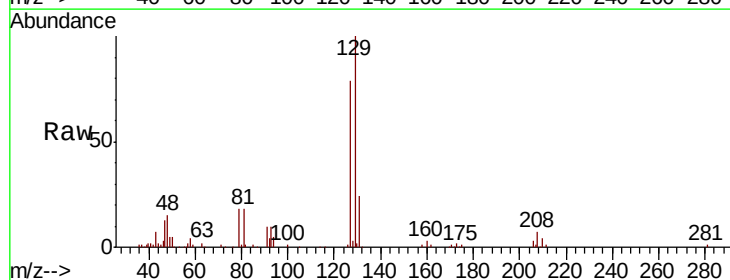


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

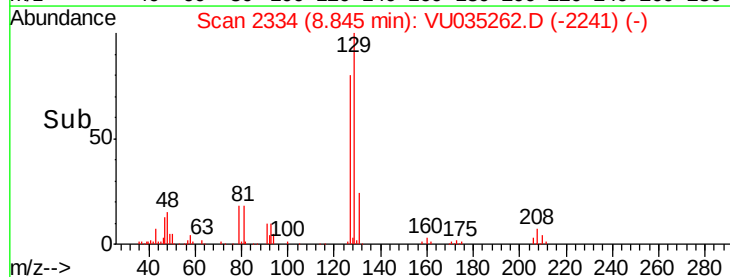
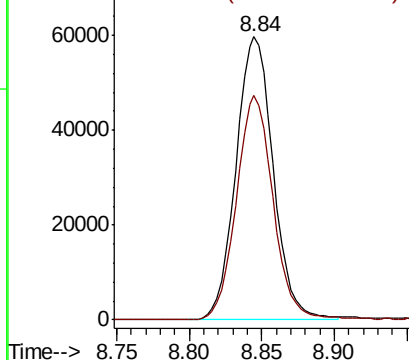


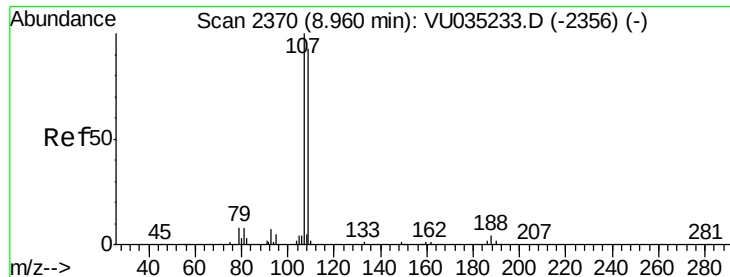
#49
Dibromochloromethane
Concen: 4.644 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion: 129 Resp: 106588
Ion Ratio Lower Upper
129 100
127 79.3 53.8 99.8



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

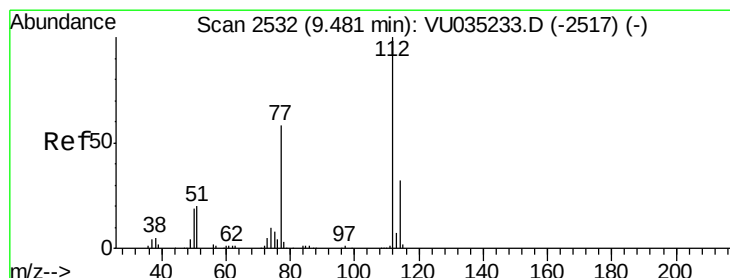
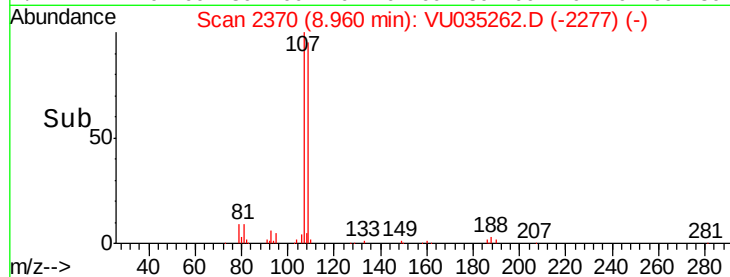
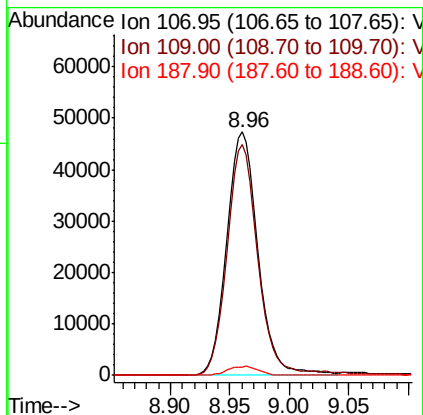
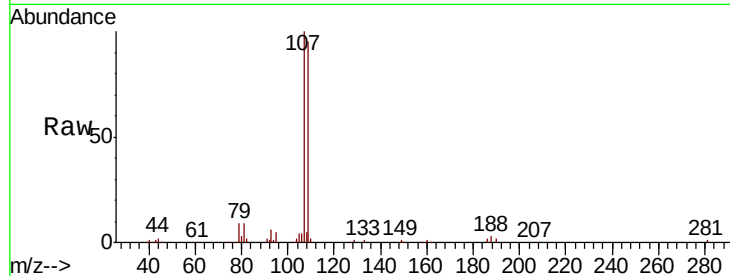




#50
 1,2-Dibromoethane
 Concen: 4.767 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

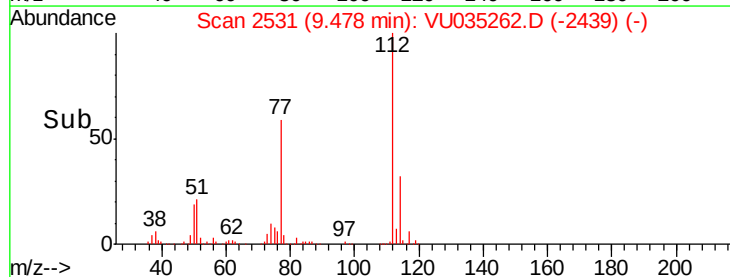
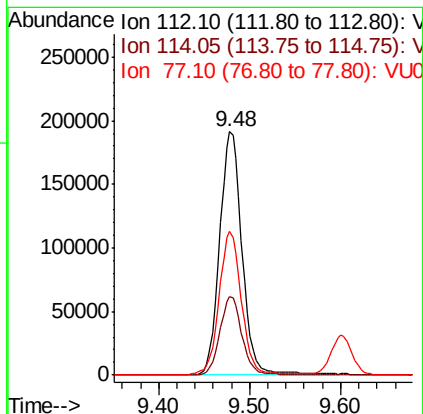
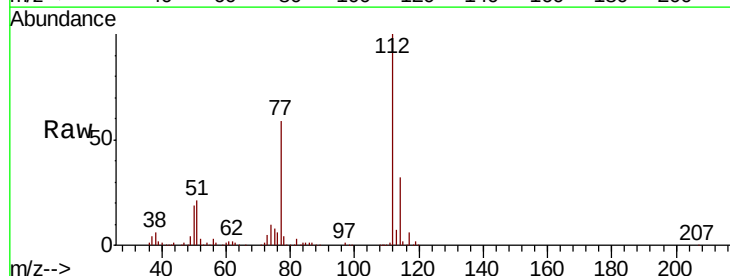
Instrument :
 MSVOA_U
 ClientSampleId :

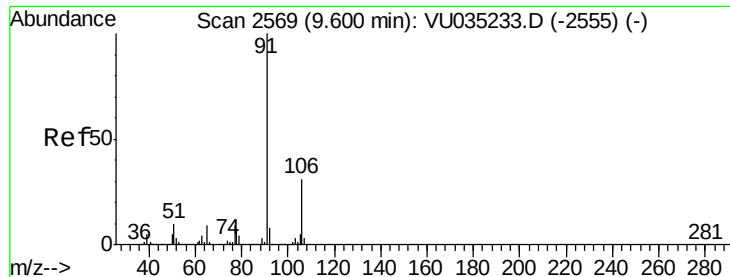
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.1	122.8
188	3.4	3.2	4.8



#51
 Chlorobenzene
 Concen: 4.795 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.0	42.8
77	58.8	47.5	71.3





#52

Ethylbenzene

Concen: 4.744 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

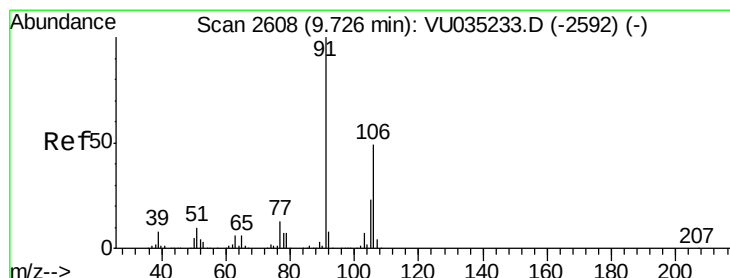
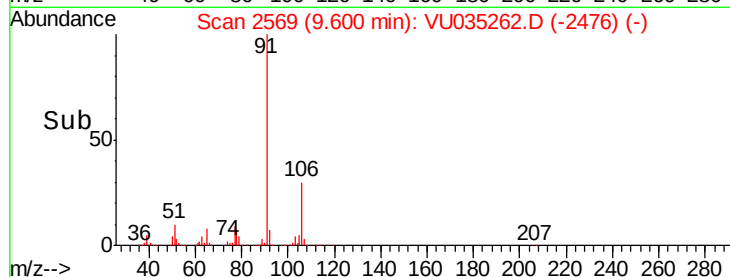
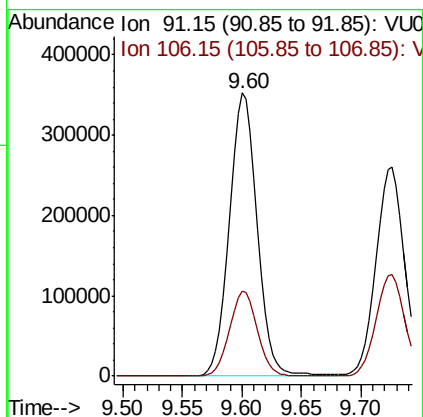
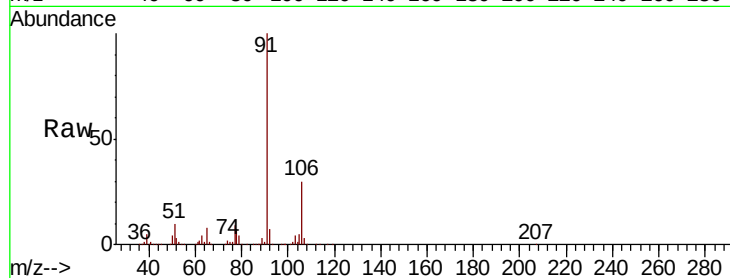
ClientSampleId :

Tot Ion: 91 Resp: 572013

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



#53

m,p-Xylene

Concen: 4.692 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035262.D

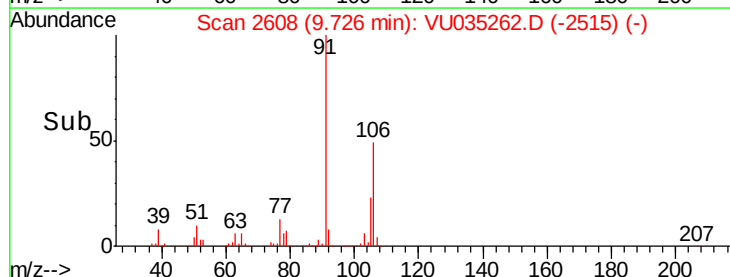
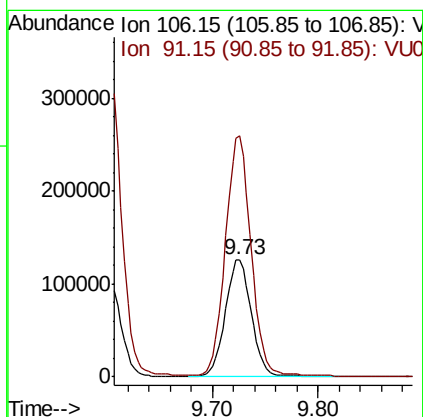
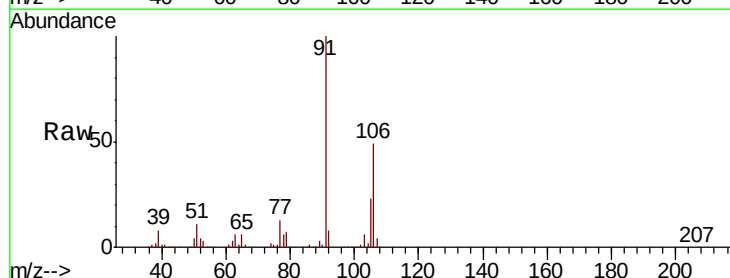
Acq: 18 Oct 2019 13:05

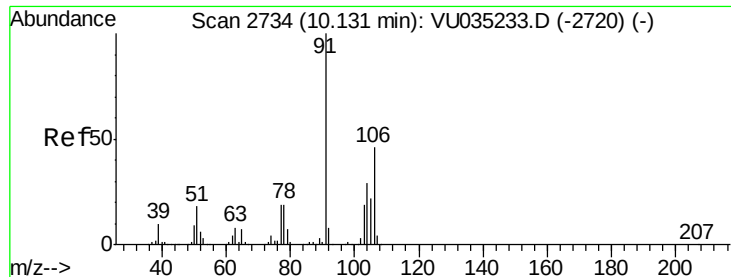
Tgt Ion: 106 Resp: 213608

Ion Ratio Lower Upper

106 100

91 205.4 142.0 263.6

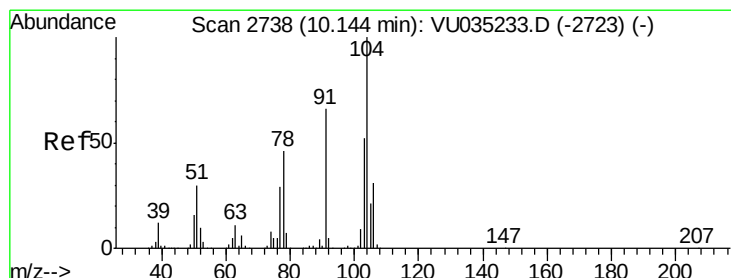
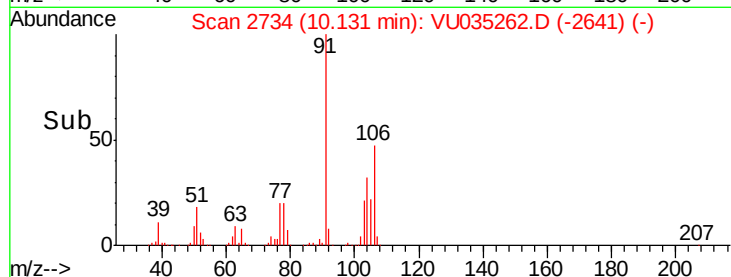
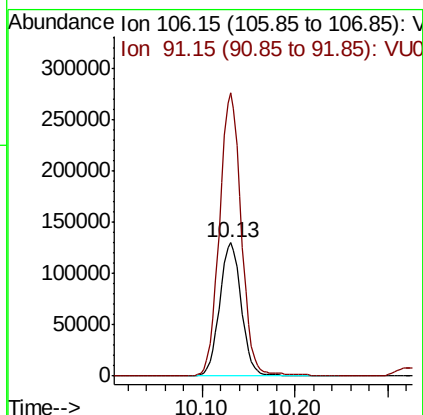
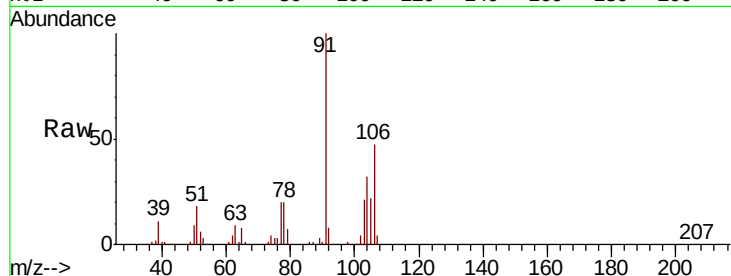




#54
o-Xylene
Concen: 4.788 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

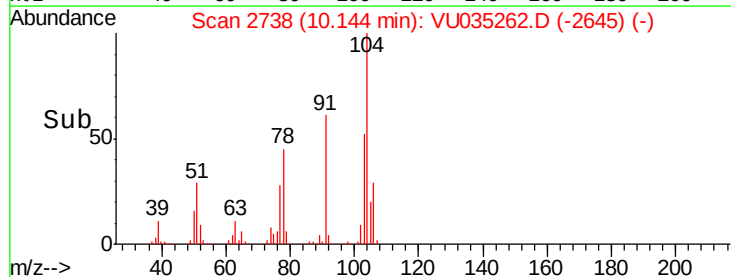
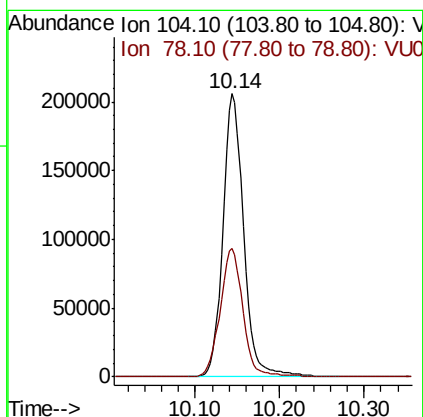
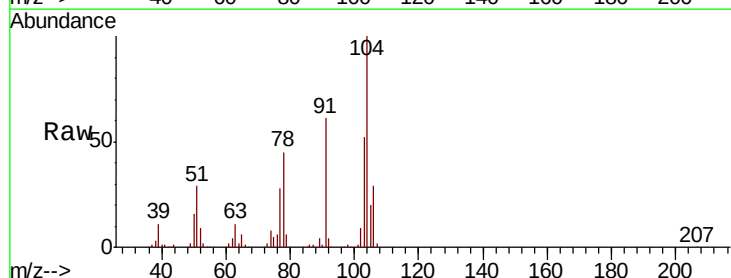
Instrument :
MSVOA_U
ClientSampled :

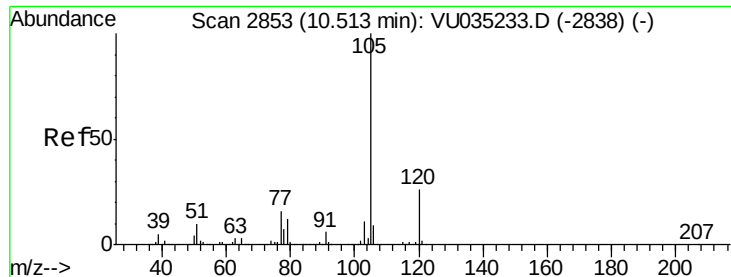
Tot Ion:106 Resp: 212767
Ion Ratio Lower Upper
106 100
91 212.0 153.2 284.6



#55
Styrene
Concen: 4.850 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035262.D
Acq: 18 Oct 2019 13:05

Tgt Ion:104 Resp: 350837
Ion Ratio Lower Upper
104 100
78 45.3 31.3 58.1





#56

Isopropylbenzene

Concen: 4.777 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

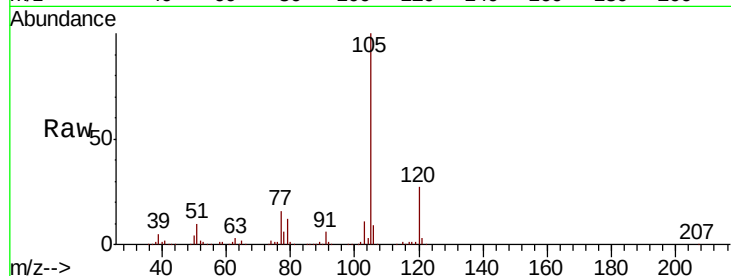
Tot Ion:105 Resp: 570981

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

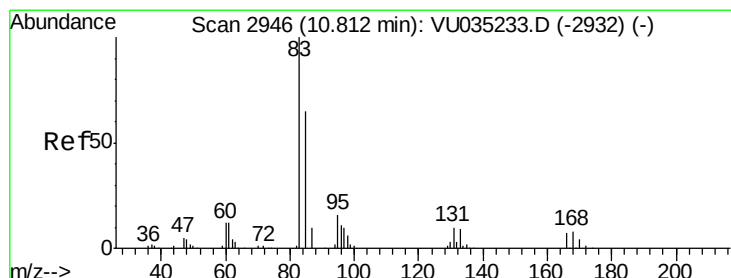
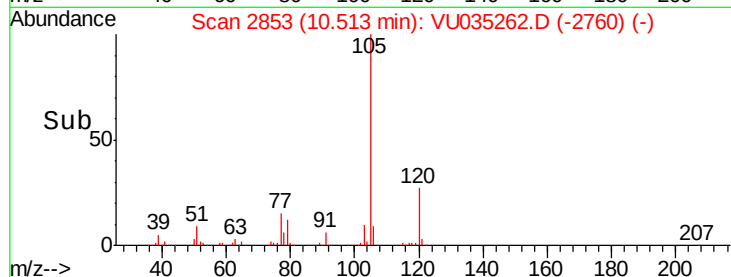
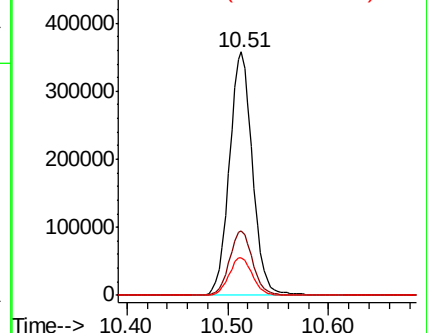
77 15.7 12.6 19.0



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: 4.925 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

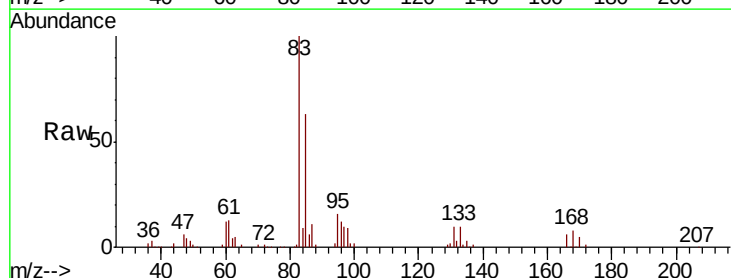
Tgt Ion: 83 Resp: 114728

Ion Ratio Lower Upper

83 100

85 63.2 46.8 86.8

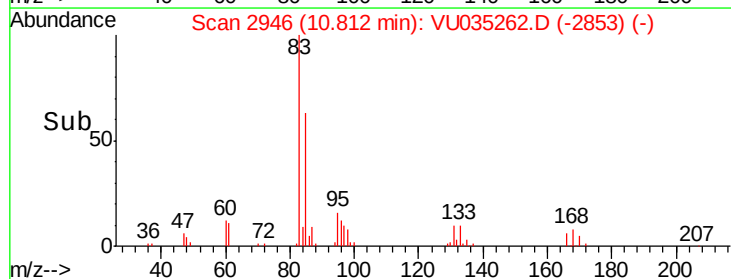
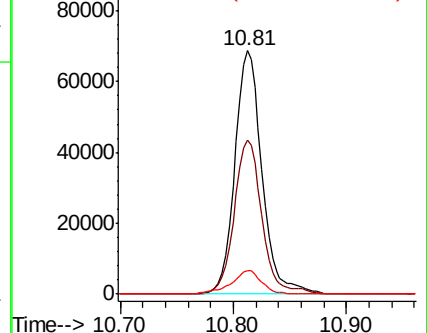
131 9.8 7.5 11.3

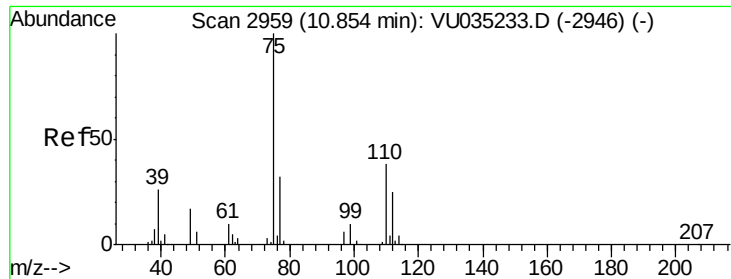


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

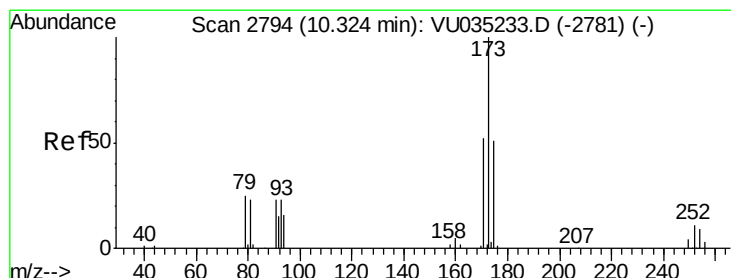
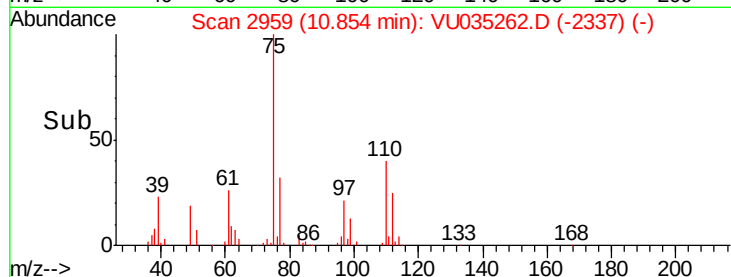
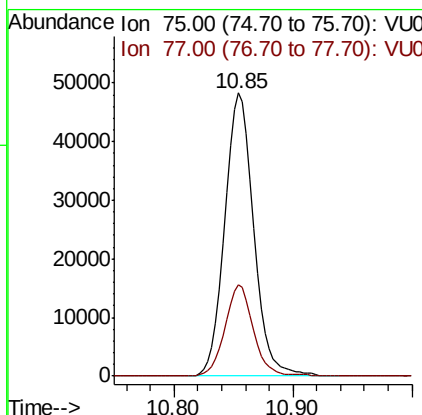
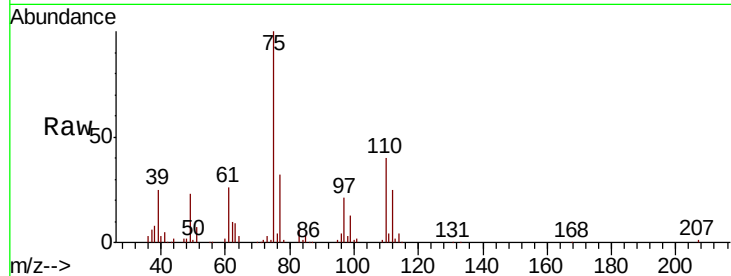




#59
 1,2,3-Trichloropropane
 Concen: 4.791 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

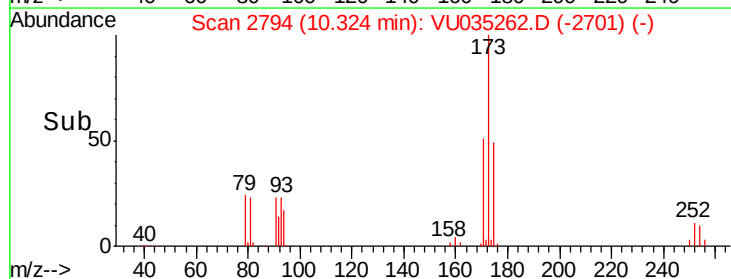
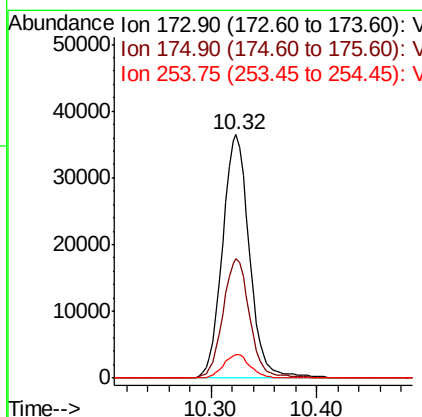
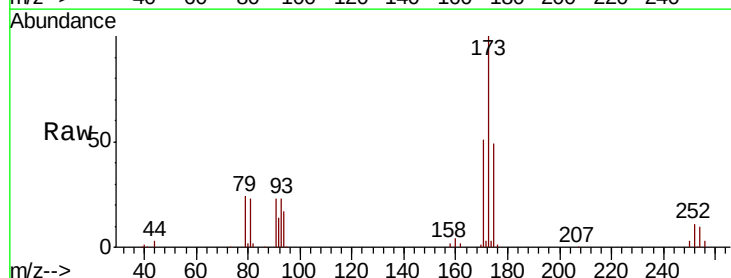
Instrument :
 MSVOA_U
 ClientSampled :

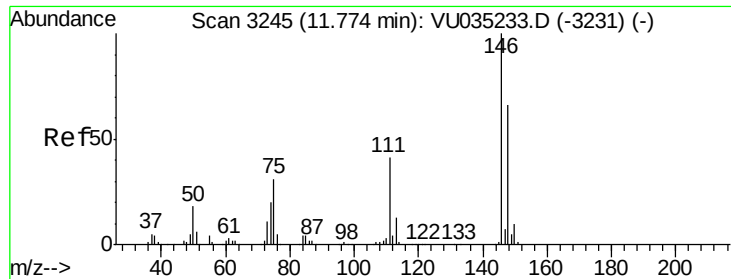
Tot Ion: 75 Resp: 81386
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2



#61
 Bromoform
 Concen: 4.351 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion: 173 Resp: 64462
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 9.5 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.732 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

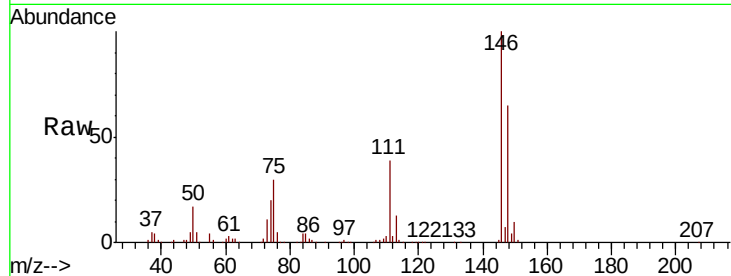
Tot Ion:146 Resp: 258260

Ion Ratio Lower Upper

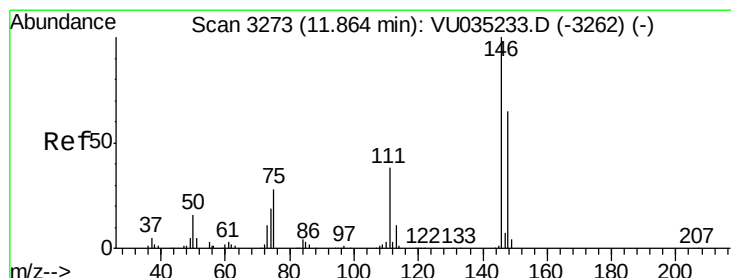
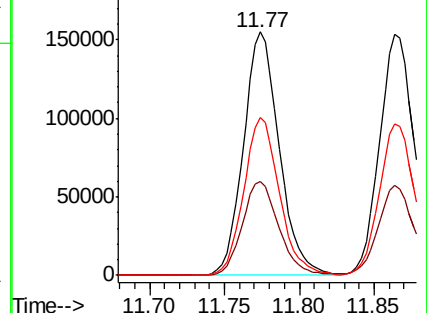
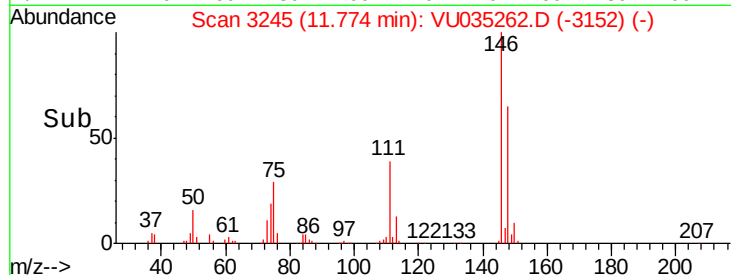
146 100

111 38.6 27.8 51.6

148 64.7 45.6 84.8



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: 4.776 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

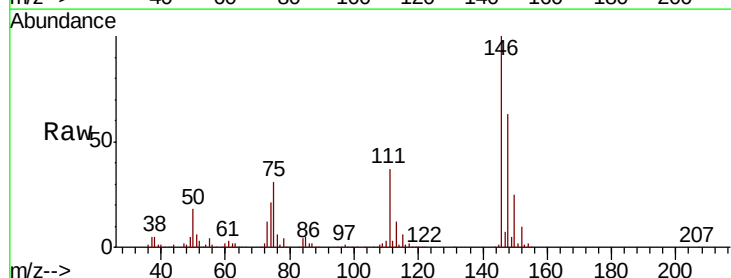
Tgt Ion:146 Resp: 256272

Ion Ratio Lower Upper

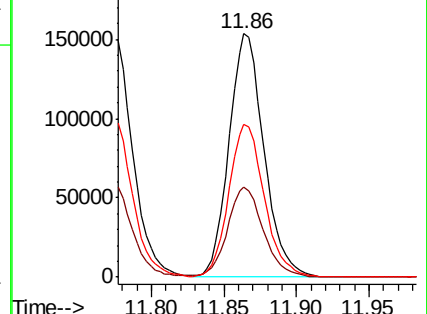
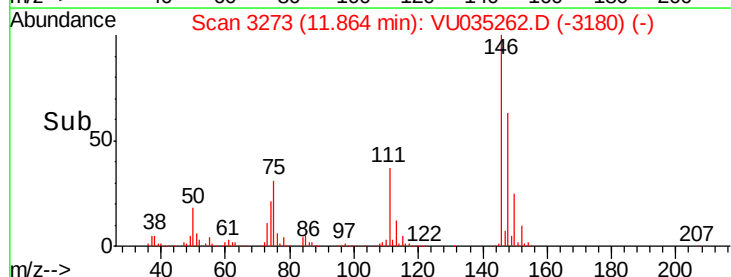
146 100

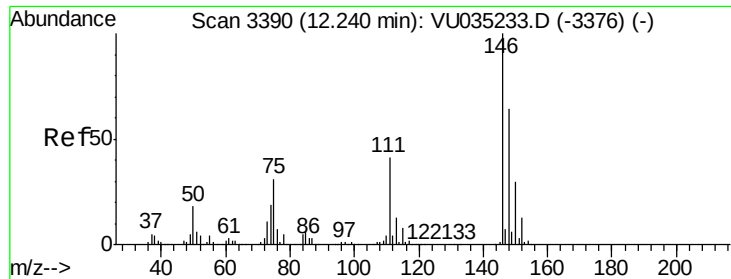
111 37.1 26.4 49.0

148 63.0 44.7 83.1



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

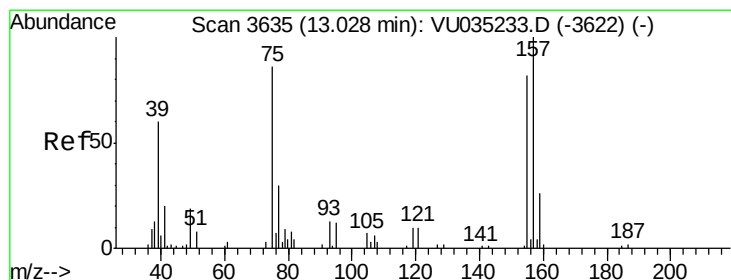
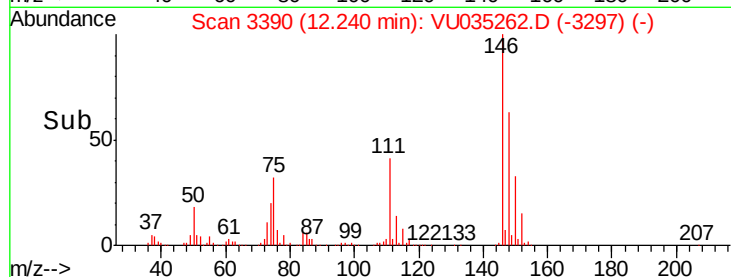
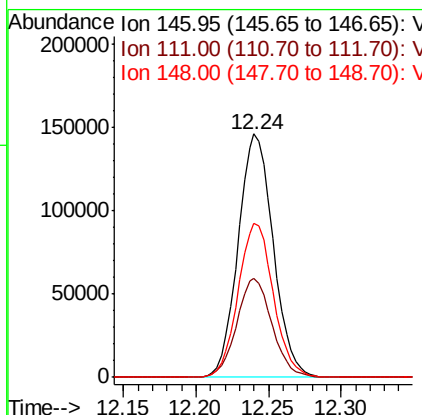
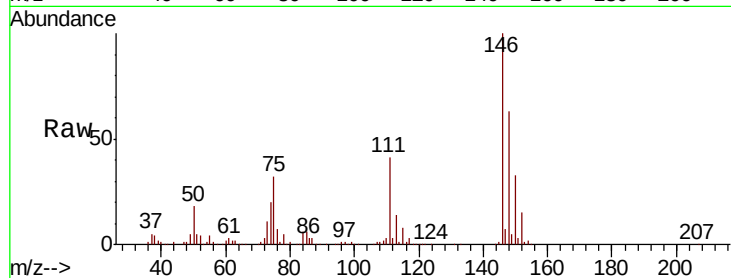




#65
 1,2-Dichlorobenzene
 Concen: 4.782 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

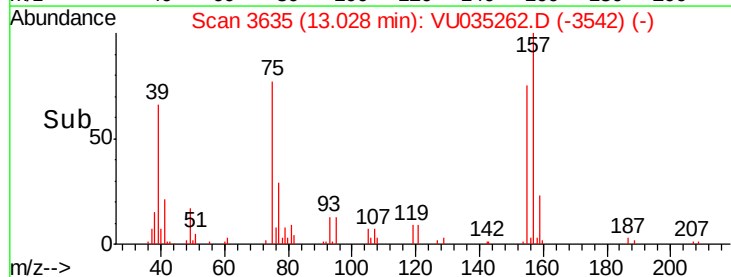
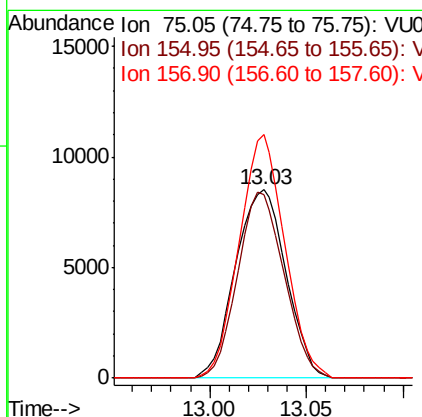
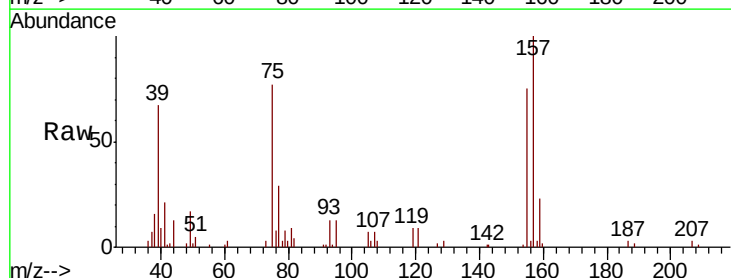
Instrument :
 MSVOA_U
 ClientSampleId :

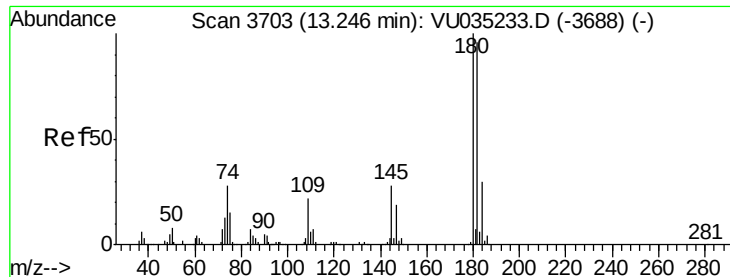
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.0	49.6
148	63.1	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.272 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	70.0	105.0
157	129.5	94.7	142.1

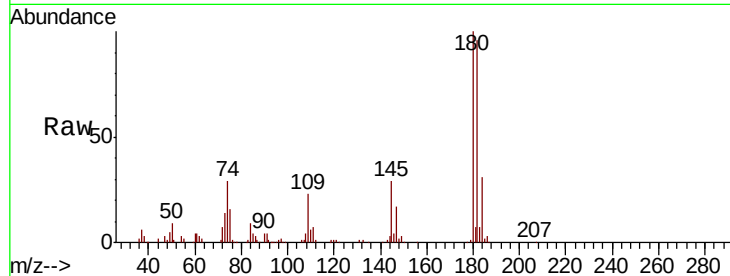




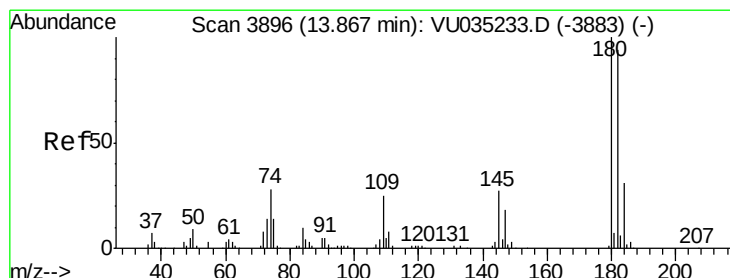
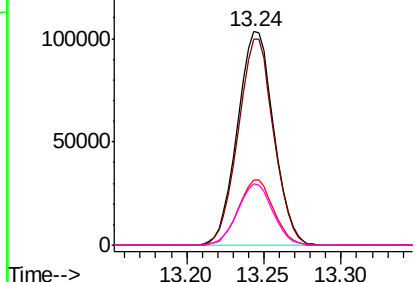
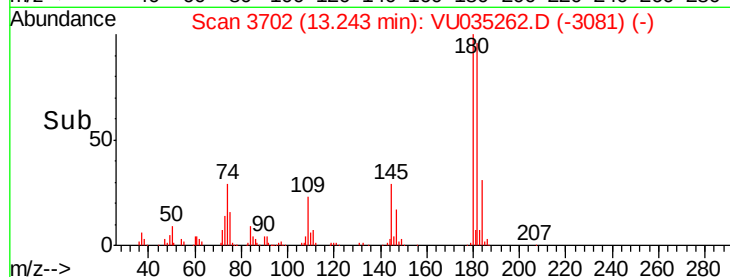
#67
 1,3,5-Trichlorobenzene
 Concen: 4.983 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	168532
Ion Ratio	Lower	Upper
180	100	
182	94.5	77.4 116.2
184	29.7	23.9 35.9
145	27.9	22.4 33.6

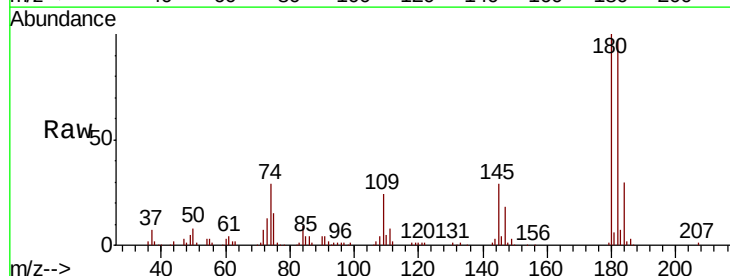


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

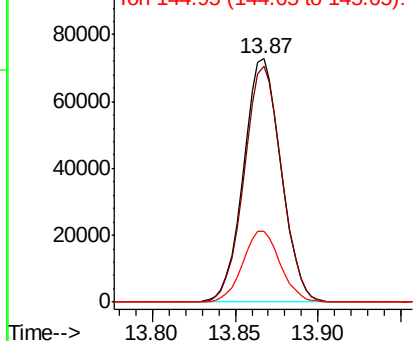
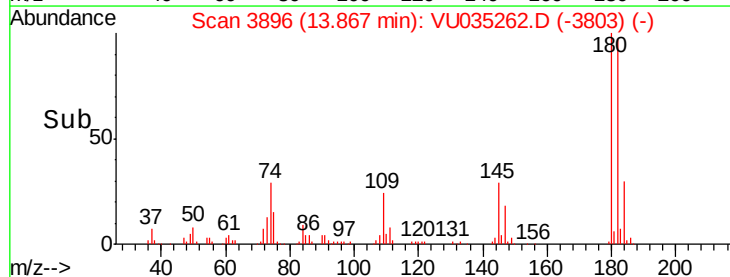


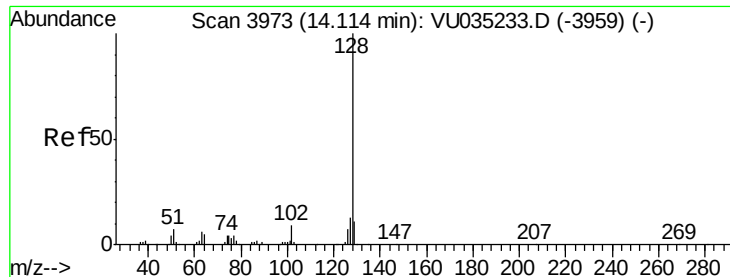
#68
 1,2,4-trichlorobenzene
 Concen: 5.085 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035262.D
 Acq: 18 Oct 2019 13:05

Tgt Ion:180	Resp:	114500
Ion Ratio	Lower	Upper
180	100	
182	96.6	75.9 113.9
145	29.2	23.4 35.2



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: 5.121 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

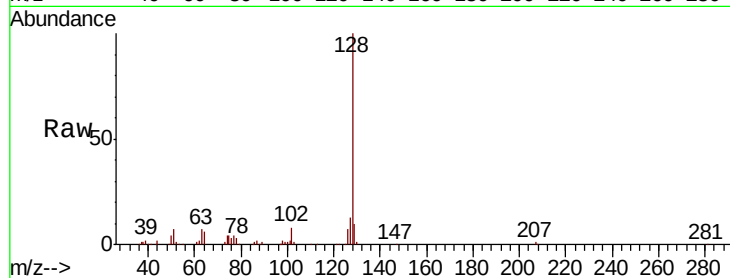
Tot Ion:128 Resp: 158259

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

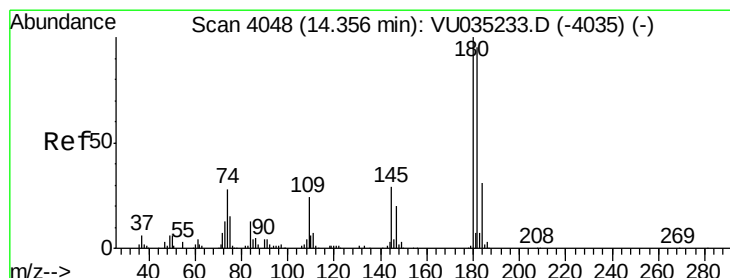
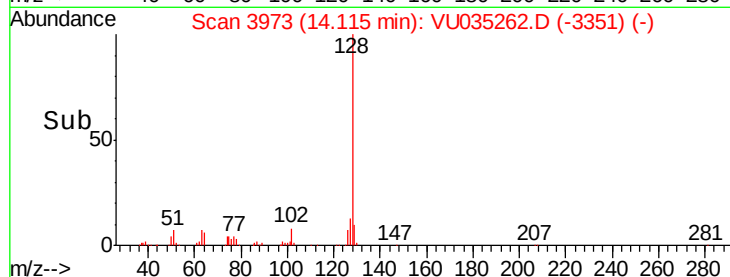
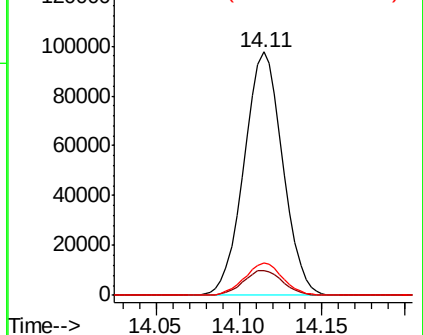
127 13.1 10.7 16.1



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: 5.361 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035262.D

Acq: 18 Oct 2019 13:05

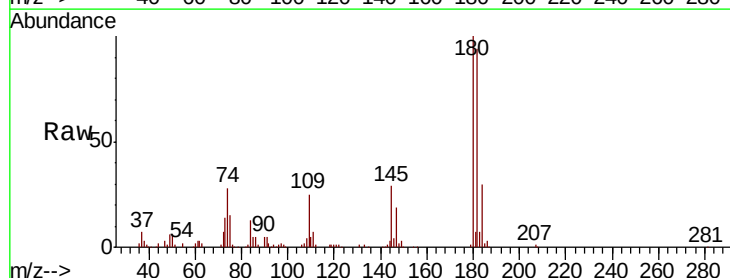
Tgt Ion:180 Resp: 112868

Ion Ratio Lower Upper

180 100

182 94.0 76.0 114.0

145 29.6 24.6 37.0



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

