

Data File : VU035564.D
Acq On : 30 Oct 2019 16:12
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Quant Time: Oct 31 00:44:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	725087	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	705734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	330252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	279937	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.60%
7) Chloroethane-d5	1.93	69	231307	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.92%
11) 1,1-Dichloroethene-d2	2.59	63	448614	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.52%
21) 2-Butanone-d5	4.69	46	347394	101.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.55%
24) Chloroform-d	5.11	84	442854	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	5.75	65	270721	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.77	84	932294	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
36) 1,2-Dichloropropane-d6	6.73	67	298325	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.93	98	891496	51.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.76%
43) trans-1,3-Dichloropropene-	8.21	79	138446	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.76%
47) 2-Hexanone-d5	8.68	63	240357	105.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	411334	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
64) 1,2-Dichlorobenzene-d4	12.22	152	309053	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	277644	49.099 ug/L	99
3) Chloromethane	1.54	50	298808	48.486 ug/L	100
5) Vinyl chloride	1.62	62	325552	49.095 ug/L	100
6) Bromomethane	1.87	94	172187	51.266 ug/L	98
8) Chloroethane	1.95	64	186786	48.432 ug/L	98
9) Trichlorofluoromethane	2.16	101	390014	49.653 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	225296	49.961 ug/L	100
12) 1,1-Dichloroethene	2.61	96	217616	49.131 ug/L	93
13) Acetone	2.66	43	258913	86.026 ug/L	100
14) Carbon disulfide	2.82	76	661993	48.512 ug/L	100
15) Methyl Acetate	2.99	43	269500	49.437 ug/L	100
16) Methylene chloride	3.08	84	261701	48.424 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	233730	50.109 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	707293	50.155 ug/L	100
19) 1,1-Dichloroethane	3.92	63	442883	49.222 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	260790	49.570 ug/L	99
22) 2-Butanone	4.77	43	382175	96.192 ug/L	95

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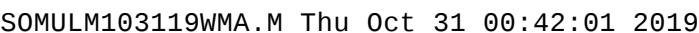
Instrument :
MSVOA_U
ClientSampleId :
VICV35

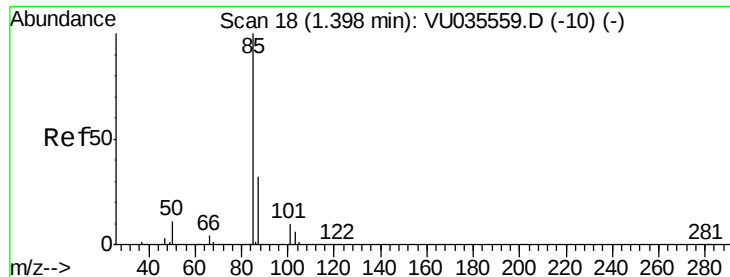
Quant Time: Oct 31 00:44:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	138575	49.846	ug/L	97
25) Chloroform	5.14	83	446681	48.881	ug/L	99
27) 1,2-Dichloroethane	5.84	62	328610	49.222	ug/L	99
29) Cyclohexane	5.43	56	377958	52.506	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	365562	49.283	ug/L	99
31) Carbon tetrachloride	5.57	117	328779	49.849	ug/L	100
33) Benzene	5.82	78	997232	50.278	ug/L	100
34) Trichloroethene	6.58	95	254542	50.481	ug/L	99
35) Methylcyclohexane	6.80	83	378326	51.661	ug/L	99
37) 1,2-Dichloropropane	6.83	63	267486	50.360	ug/L	100
38) Bromodichloromethane	7.14	83	330663	48.978	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	416419	52.746	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	708649	99.729	ug/L	99
42) Toluene	8.01	91	1092071	52.534	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	371649	51.356	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	250363	49.177	ug/L	100
46) Tetrachloroethene	8.58	164	212220	50.334	ug/L	99
48) 2-Hexanone	8.73	43	557057	96.402	ug/L	91
49) Dibromochloromethane	8.84	129	285488	49.726	ug/L	97
50) 1,2-Dibromoethane	8.96	107	271907	50.059	ug/L	97
51) Chlorobenzene	9.48	112	699495	50.404	ug/L	99
52) Ethylbenzene	9.60	91	1145806	51.559	ug/L	100
53) m,p-Xylene	9.72	106	442173	53.024	ug/L	97
54) o-xylene	10.13	106	432805	53.102	ug/L	100
55) Styrene	10.14	104	724321	53.548	ug/L	100
56) Isopropylbenzene	10.51	105	1085445	52.996	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	431394	49.195	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	338147	48.826	ug/L	99
61) Bromoform	10.32	173	223324	44.325	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	494690	47.483	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	493146	46.595	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	494367	46.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	73020	44.403	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	286526	47.604	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	174926	43.386	ug/L	99
69) Naphthalene	14.11	128	417946	40.414	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	190664	43.889	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 49.099 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

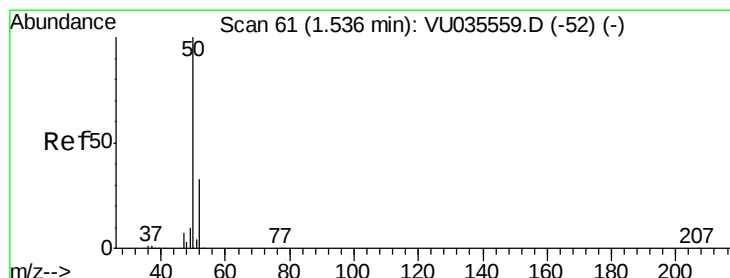
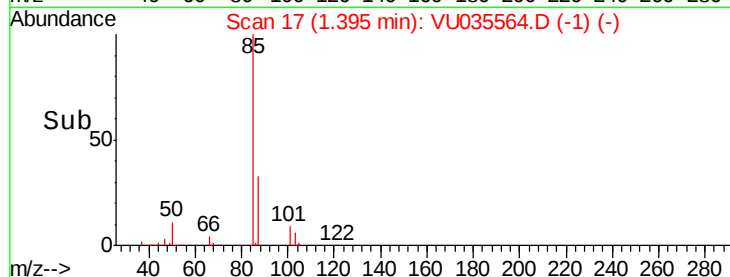
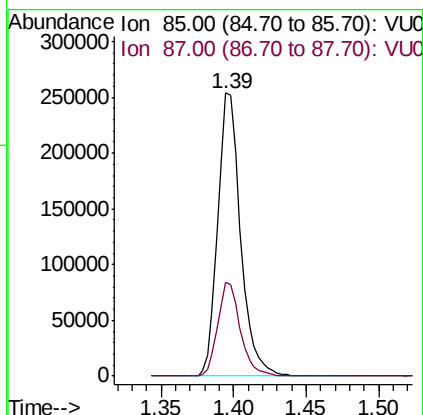
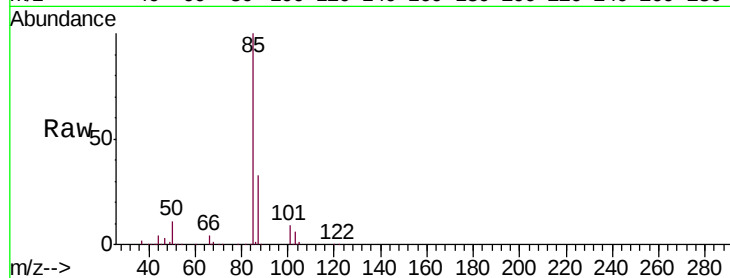
VICV35

Tgt Ion: 85 Resp: 277644

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



#3

Chloromethane

Concen: 48.486 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035564.D

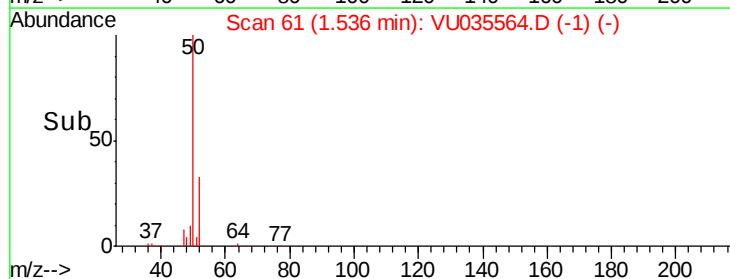
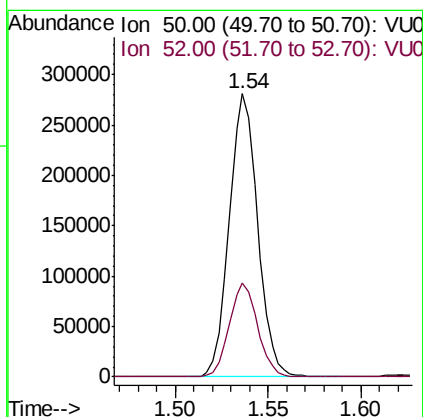
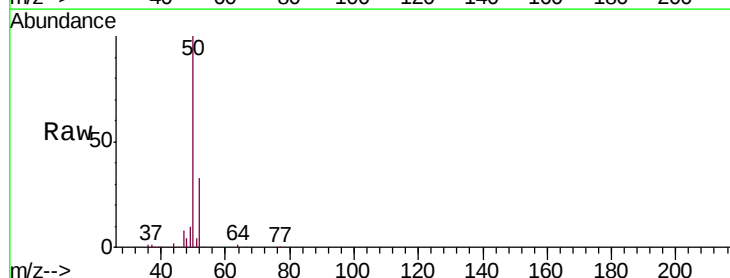
Acq: 30 Oct 2019 16:12

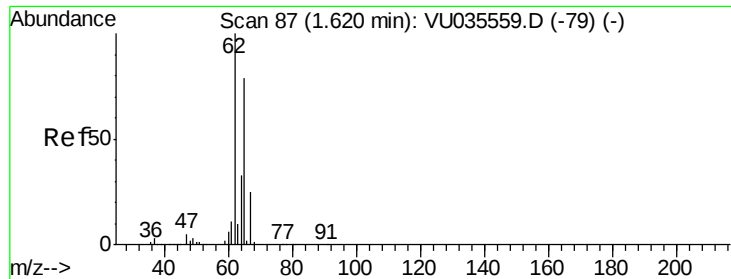
Tgt Ion: 50 Resp: 298808

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 49.095 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

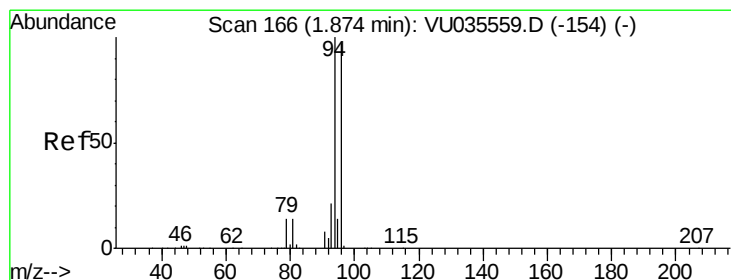
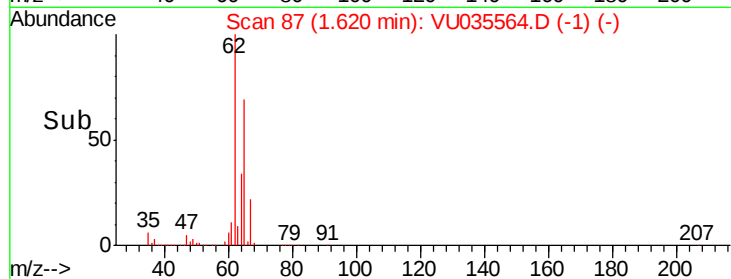
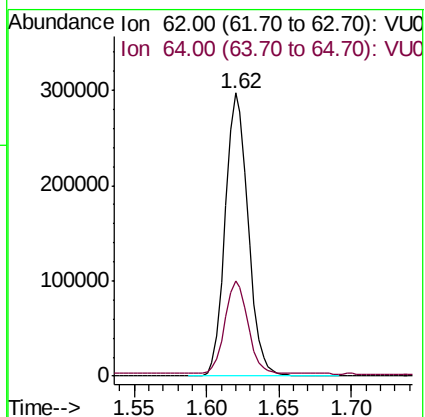
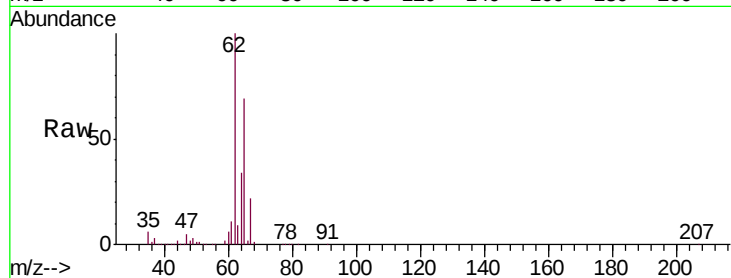
VICV35

Tgt Ion: 62 Resp: 325552

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 51.266 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU035564.D

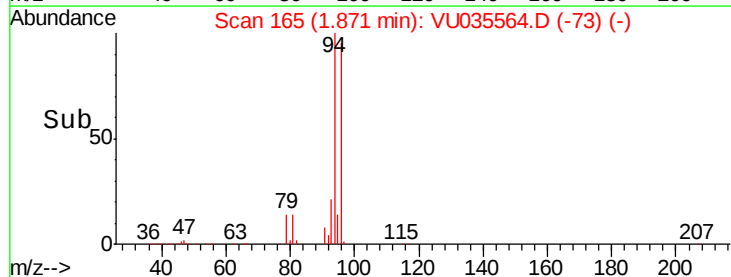
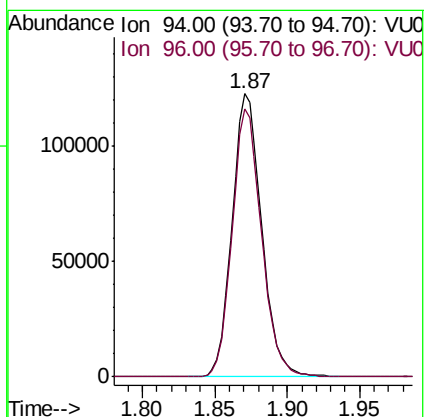
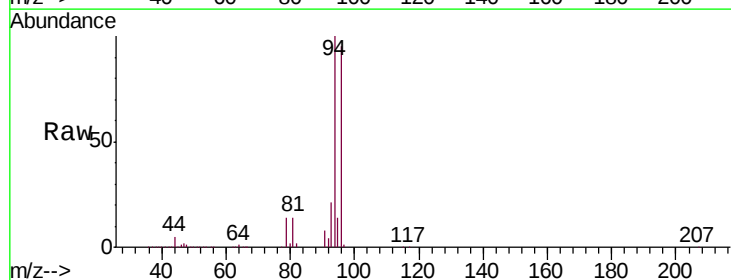
Acq: 30 Oct 2019 16:12

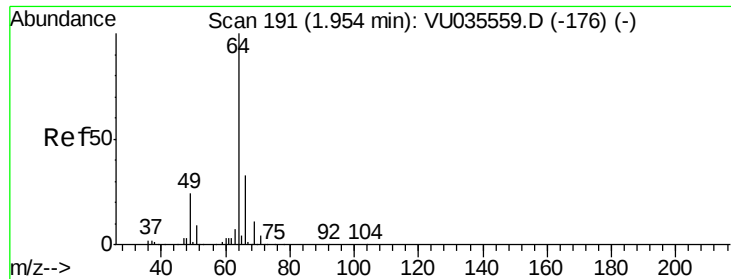
Tgt Ion: 94 Resp: 172187

Ion Ratio Lower Upper

94 100

96 94.8 67.5 125.4

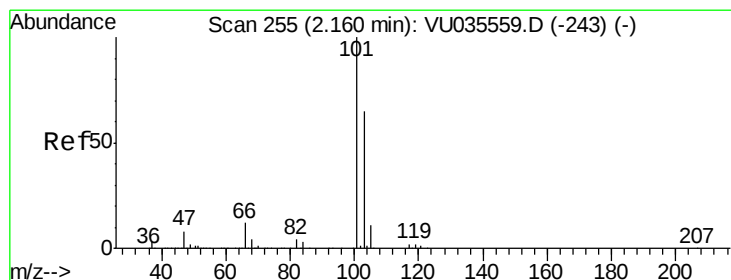
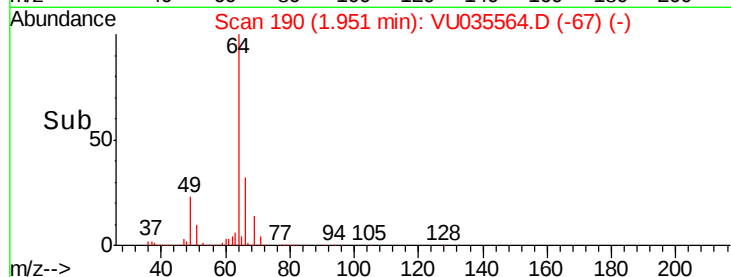
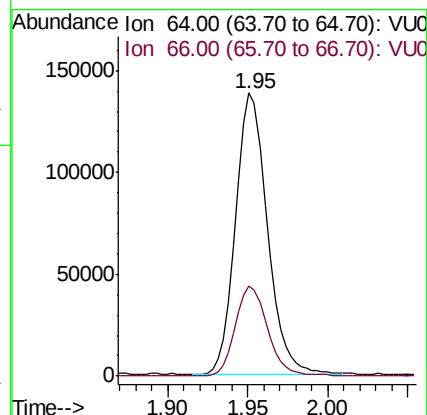
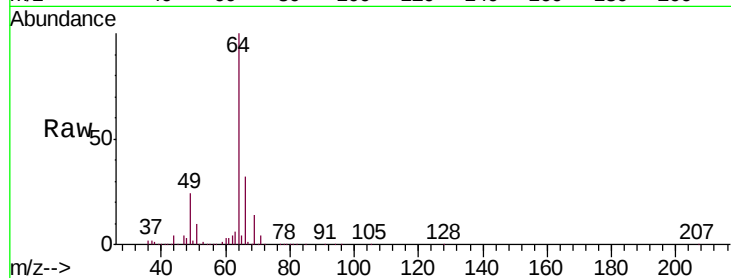




#8
Chloroethane
Concen: 48.432 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

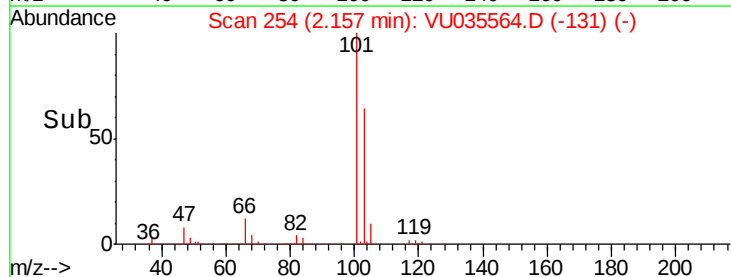
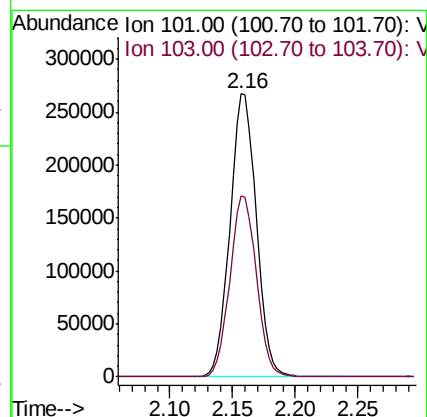
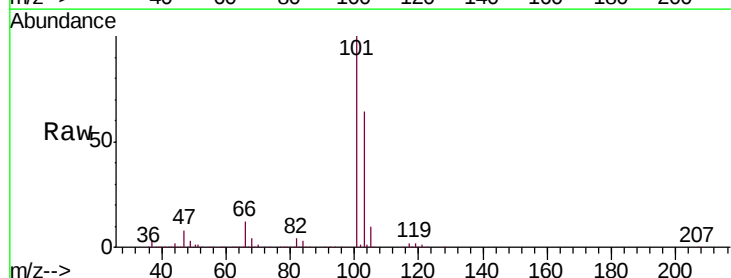
Instrument :
MSVOA_U
ClientSampled :
VICV35

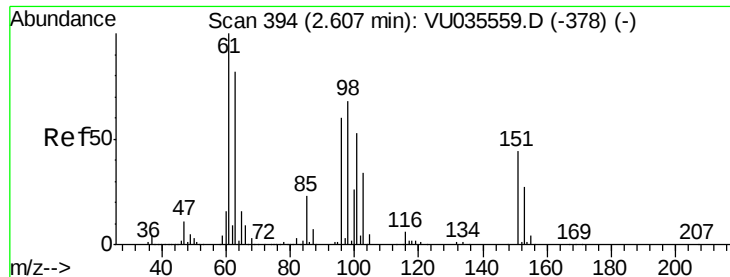
Tgt Ion: 64 Resp: 186786
Ion Ratio Lower Upper
64 100
66 31.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 49.653 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Tgt Ion: 101 Resp: 390014
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 49.961 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampled :

VICV35

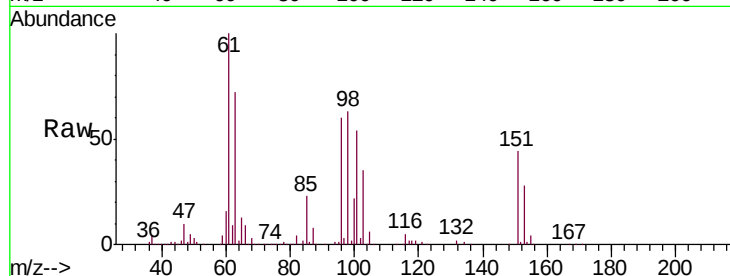
Tgt Ion: 101 Resp: 225296

Ion Ratio Lower Upper

101 100

85 42.8 34.0 51.0

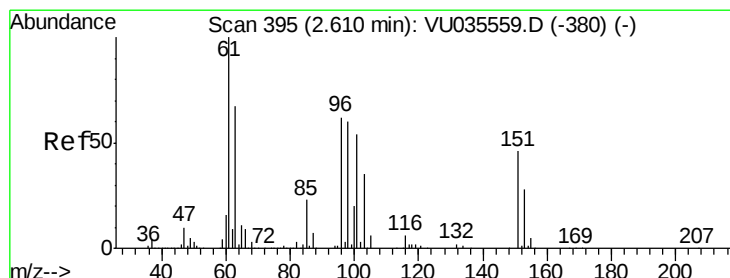
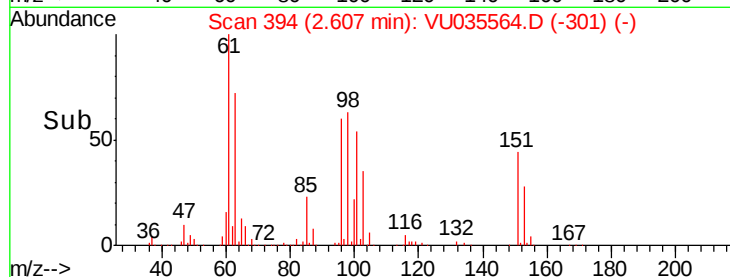
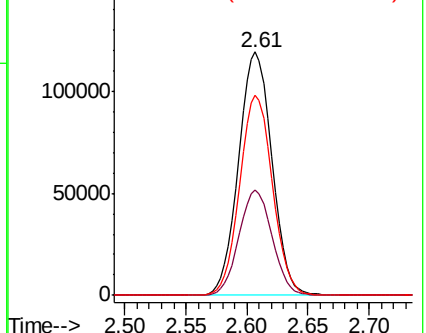
151 80.5 64.2 96.4



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: 49.131 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

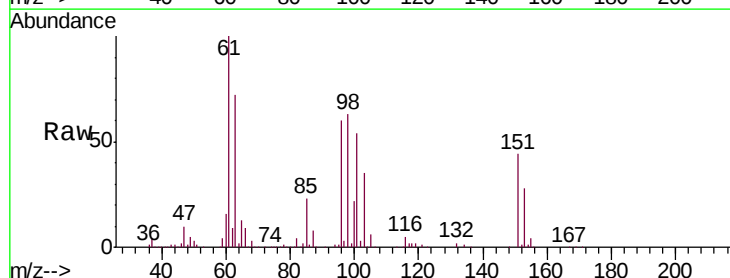
Tgt Ion: 96 Resp: 217616

Ion Ratio Lower Upper

96 100

61 167.6 113.1 210.1

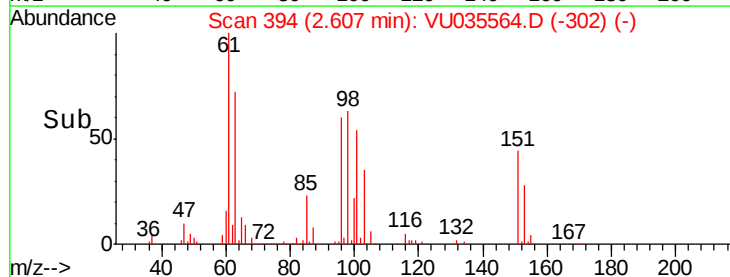
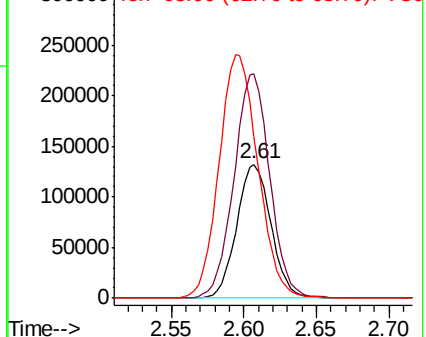
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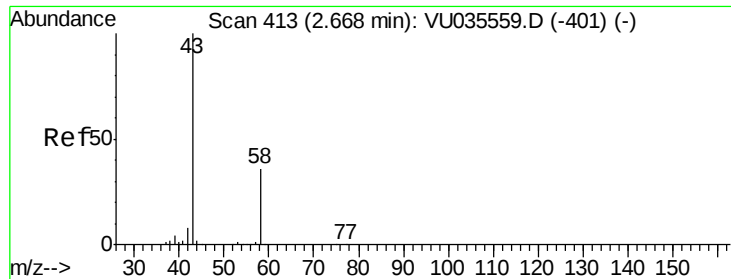


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.026 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

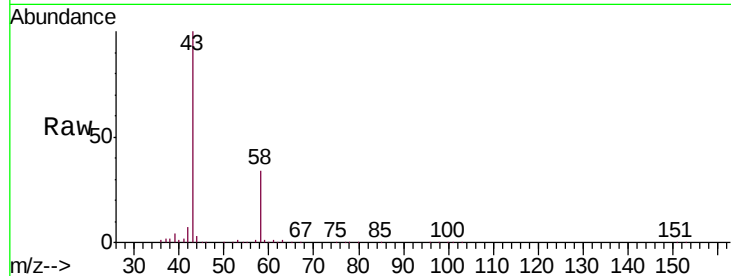
VICV35

Tgt Ion: 43 Resp: 258913

Ion Ratio Lower Upper

43 100

58 34.9 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-401) (-)

Ion 58.00 (57.70 to 58.70): VU035559.D (-401) (-)

2.66

150000

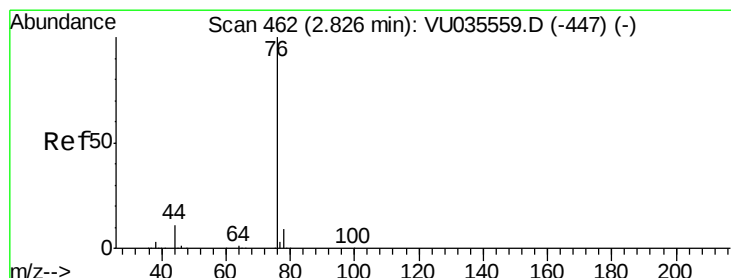
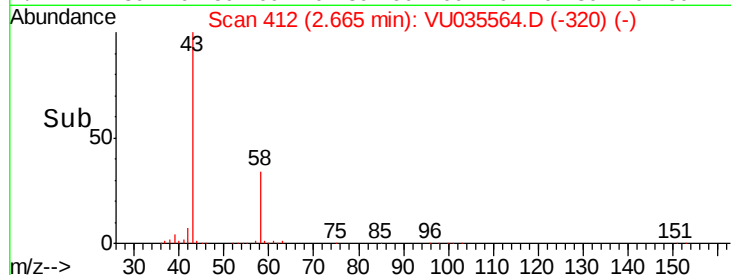
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50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 48.512 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035564.D

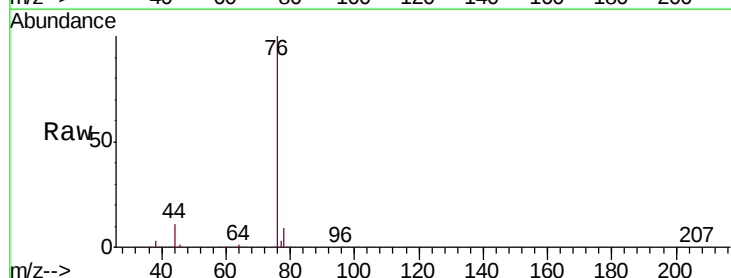
Acq: 30 Oct 2019 16:12

Tgt Ion: 76 Resp: 661993

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035559.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035559.D (-447) (-)

2.82

400000

300000

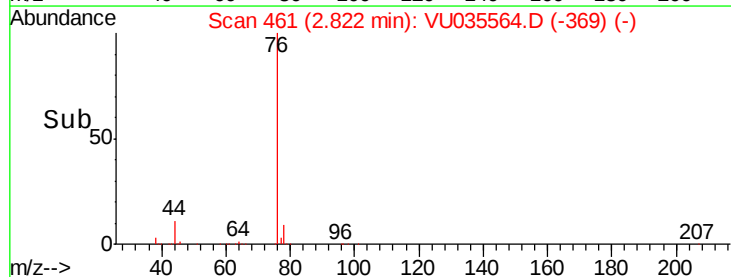
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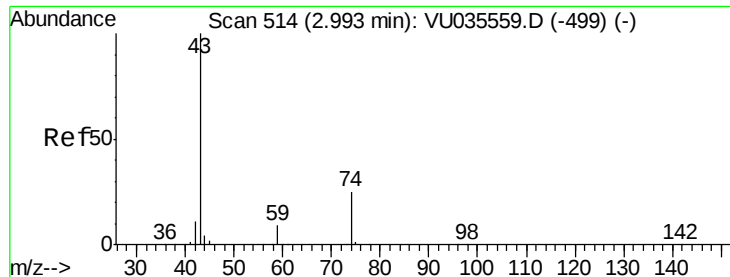
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2.75 2.80 2.85 2.90

Time-->

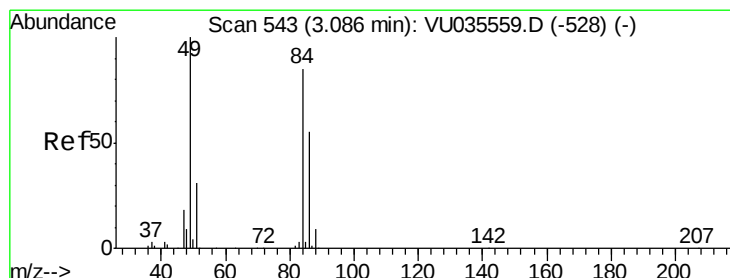
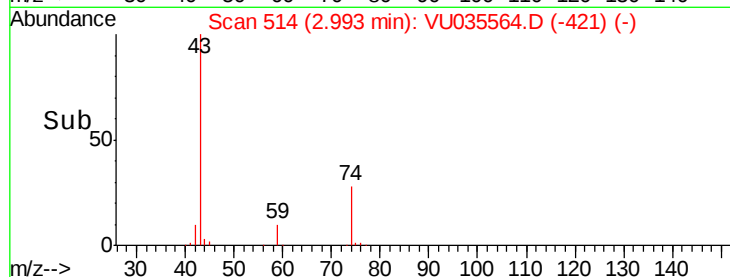
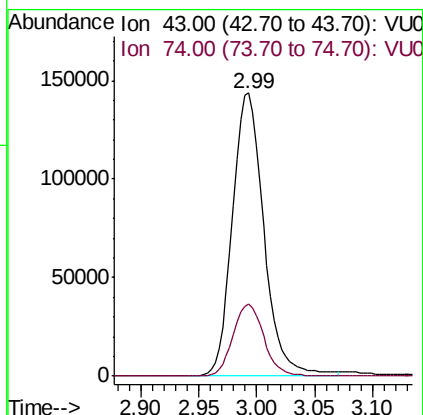
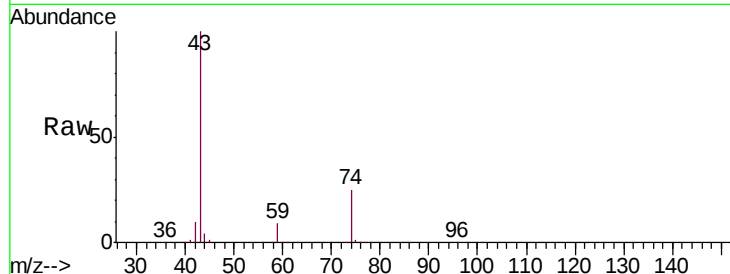




#15
Methyl Acetate
Concen: 49.437 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

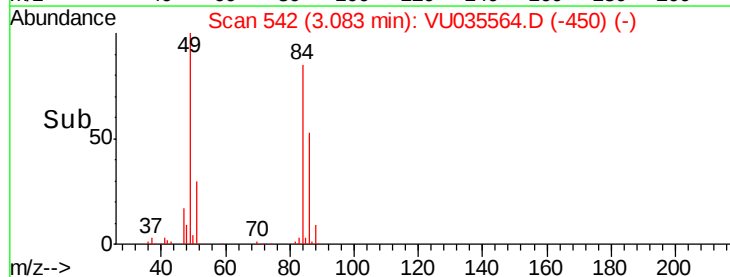
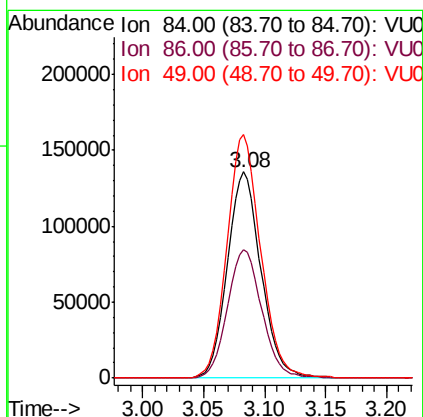
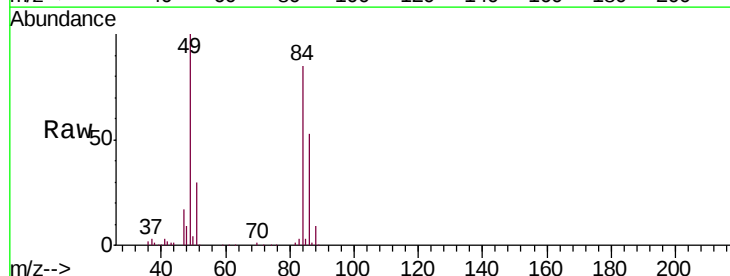
Instrument :
MSVOA_U
ClientSampleId :
VICV35

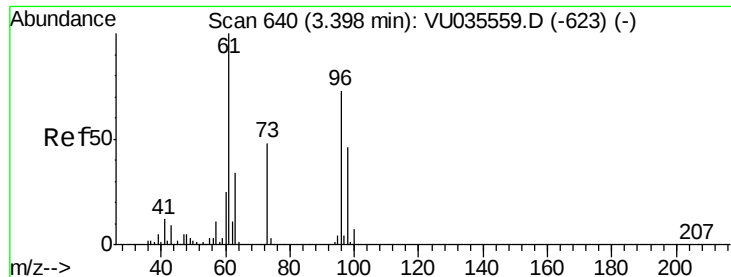
Tgt Ion: 43 Resp: 269500
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.6



#16
Methylene chloride
Concen: 48.424 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Tgt Ion: 84 Resp: 261701
Ion Ratio Lower Upper
84 100
86 62.5 45.1 83.7
49 118.3 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 50.109 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.01 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

VICV35

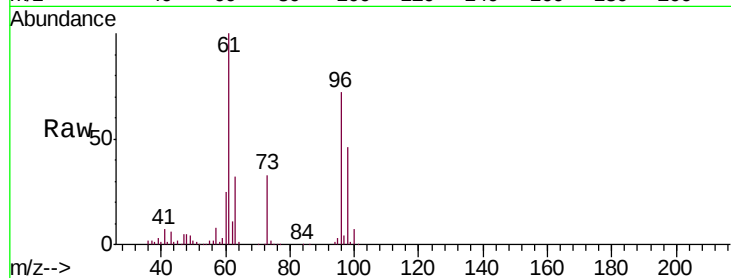
Tgt Ion: 96 Resp: 233730

Ion Ratio Lower Upper

96 100

61 138.1 95.3 176.9

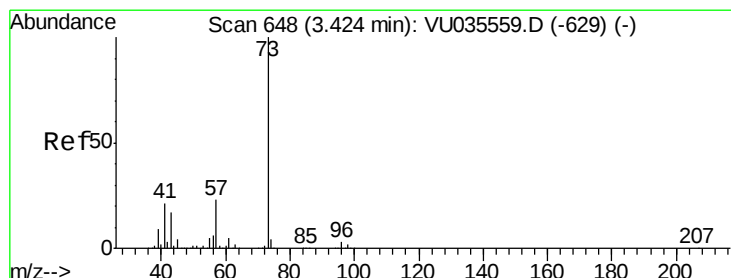
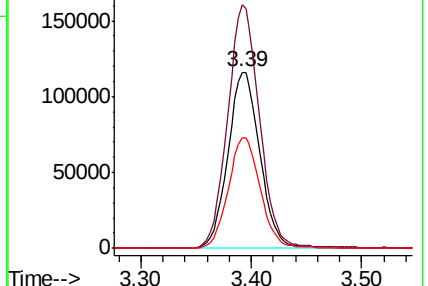
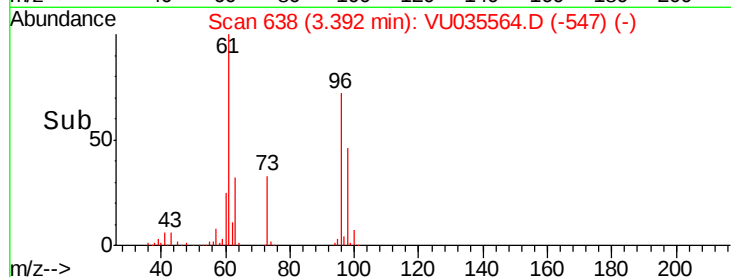
98 63.0 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035559.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU035559.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU035559.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 50.155 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

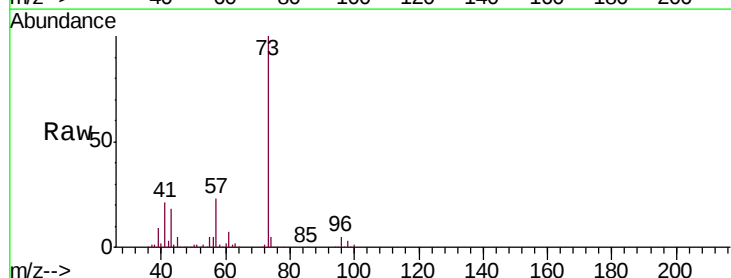
Tgt Ion: 73 Resp: 707293

Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

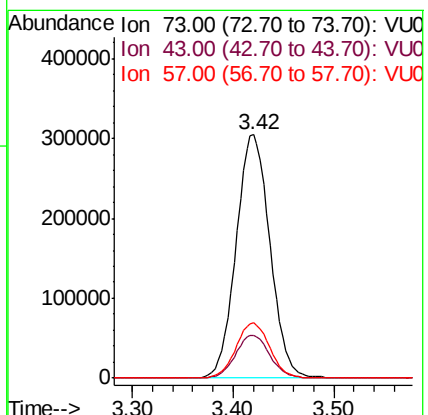
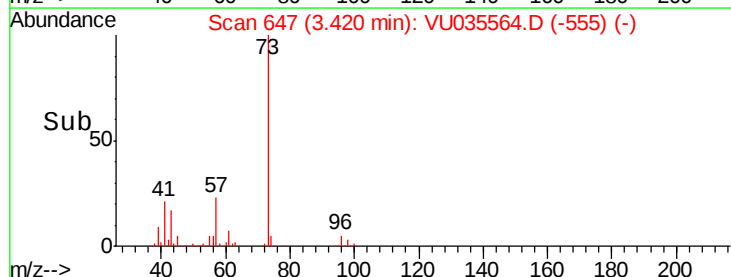
57 22.7 18.3 27.5

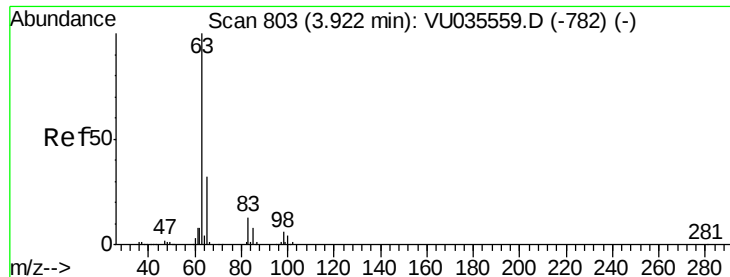


Abundance Ion 73.00 (72.70 to 73.70): VU035559.D (-629) (-)

Ion 43.00 (42.70 to 43.70): VU035559.D (-629) (-)

Ion 57.00 (56.70 to 57.70): VU035559.D (-629) (-)





#19

1,1-Dichloroethane

Concen: 49.222 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

VICV35

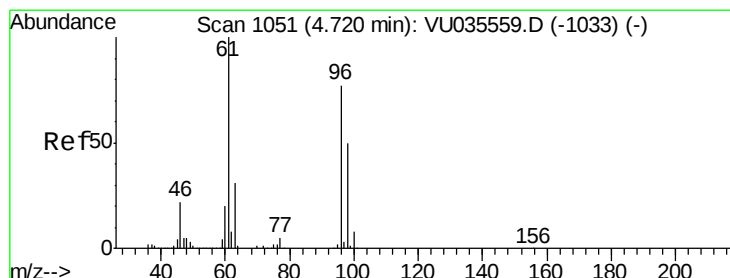
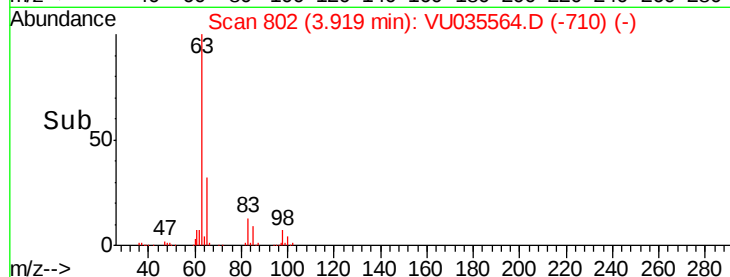
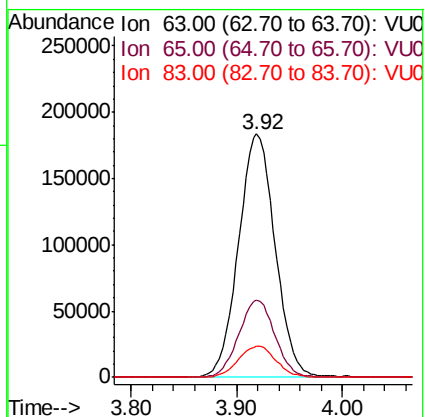
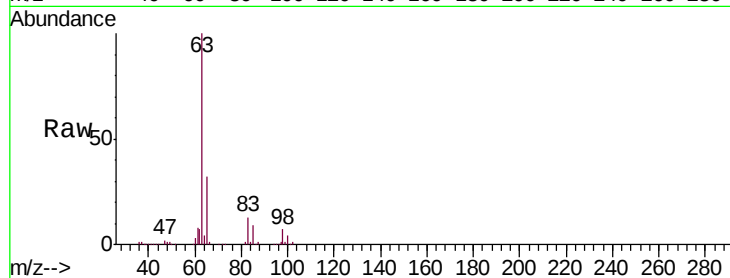
Tgt Ion: 63 Resp: 442883

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

83 12.6 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 49.570 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

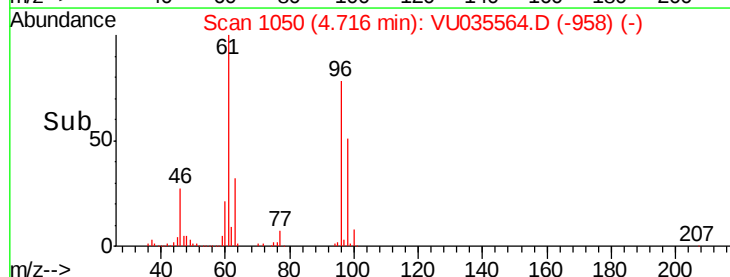
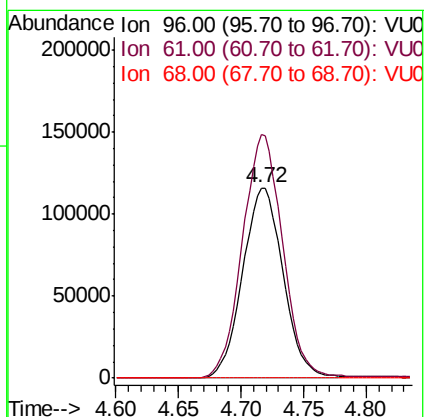
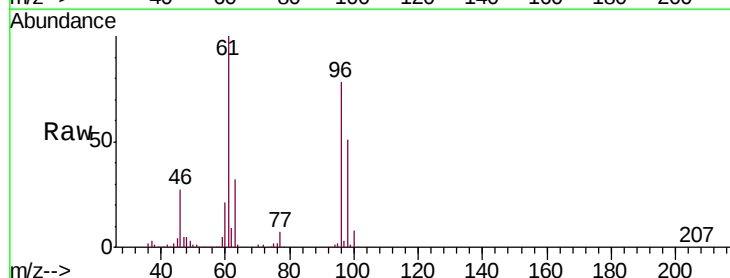
Tgt Ion: 96 Resp: 260790

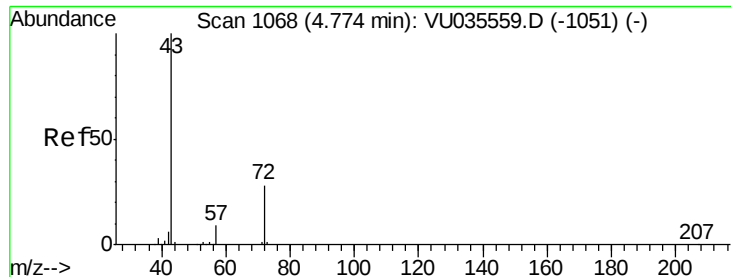
Ion Ratio Lower Upper

96 100

61 127.9 90.6 168.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.192 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

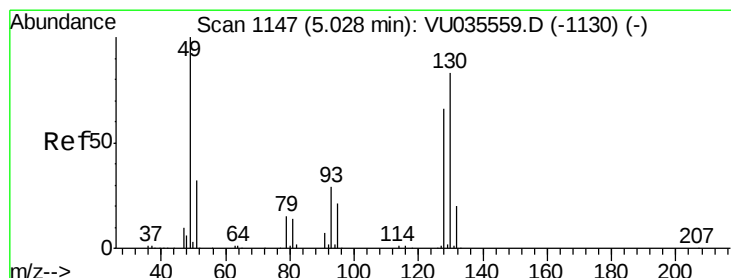
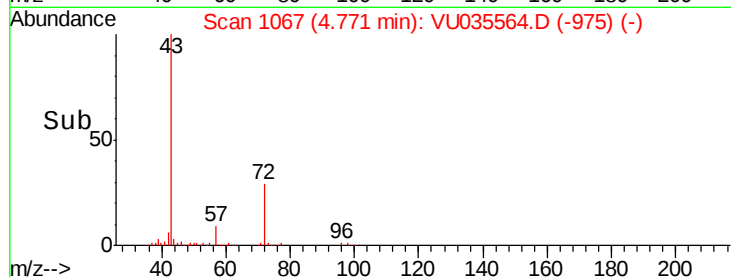
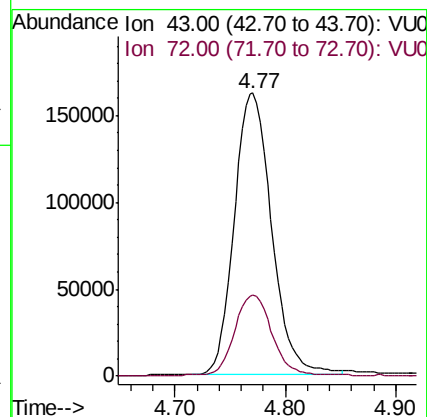
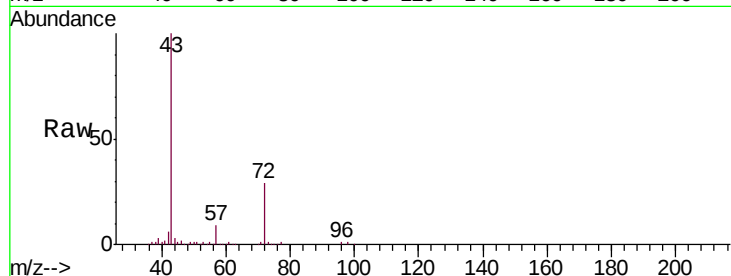
VICV35

Tgt Ion: 43 Resp: 382175

Ion Ratio Lower Upper

43 100

72 29.4 13.5 40.4



#23

Bromochloromethane

Concen: 49.846 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Tgt Ion: 128 Resp: 138575

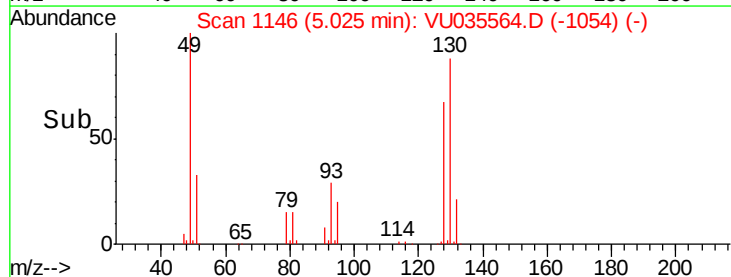
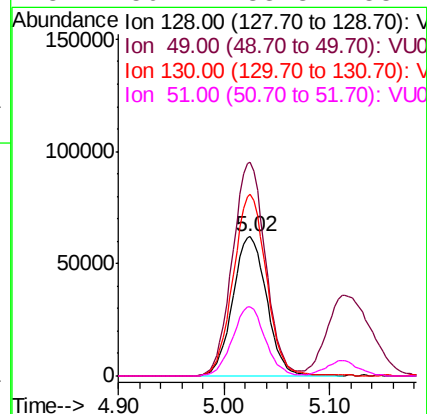
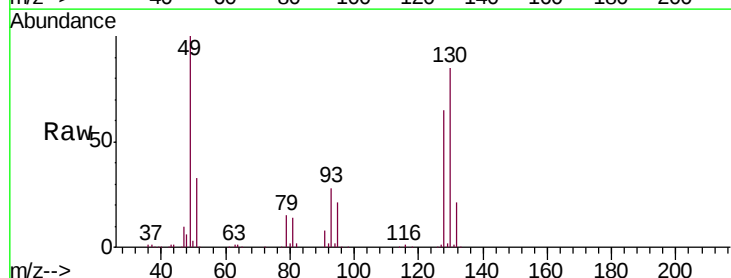
Ion Ratio Lower Upper

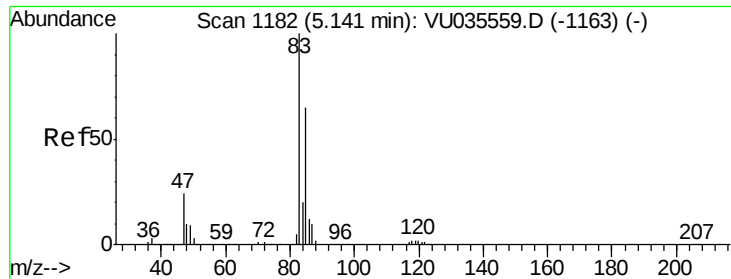
128 100

49 153.6 106.4 197.6

130 131.0 88.1 163.5

51 50.1 38.8 58.2

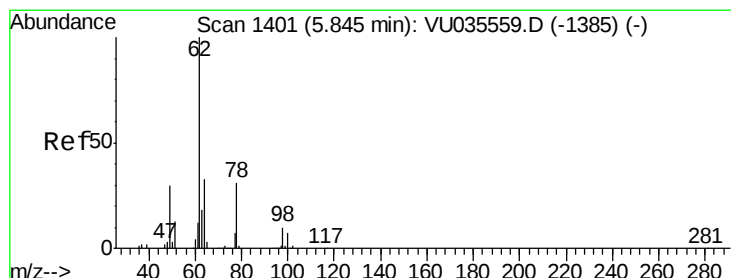
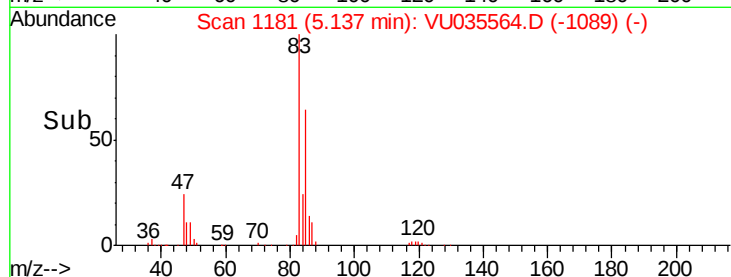
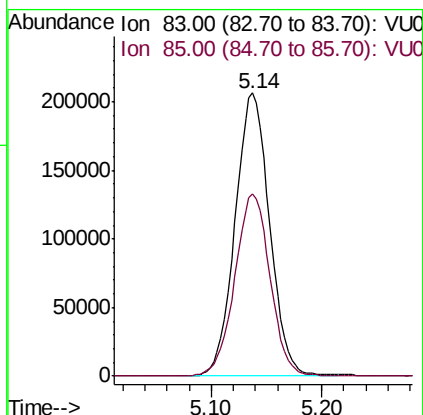
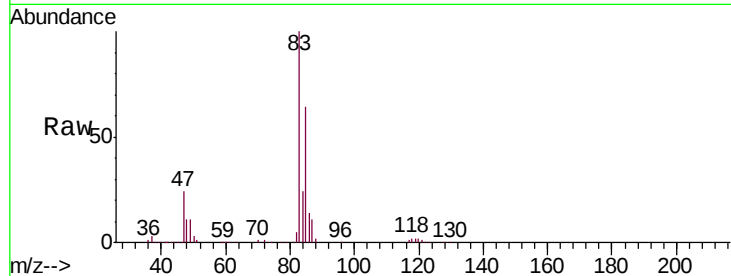




#25
Chloroform
Concen: 48.881 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

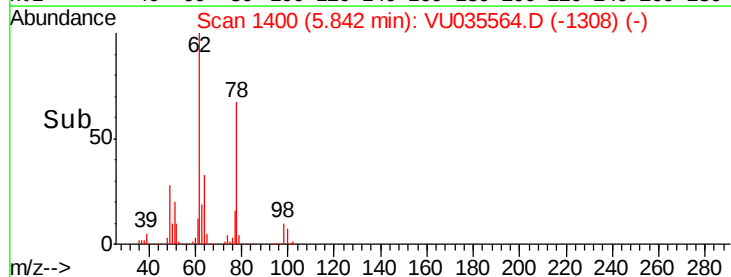
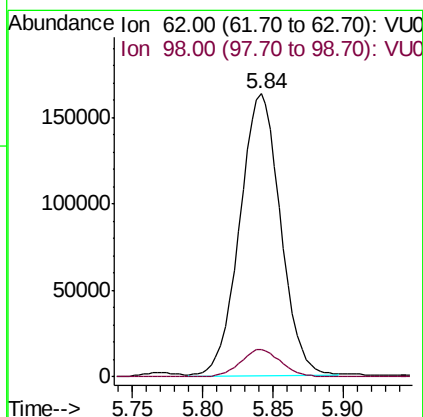
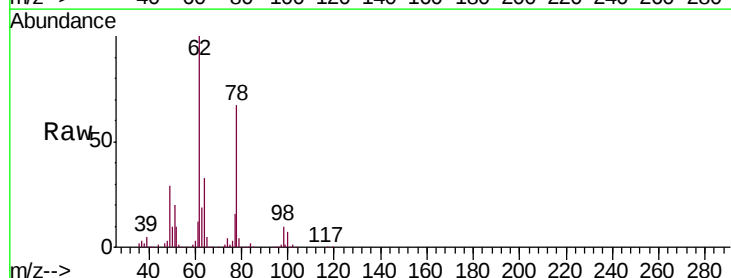
Instrument :
MSVOA_U
ClientSampled :
VICV35

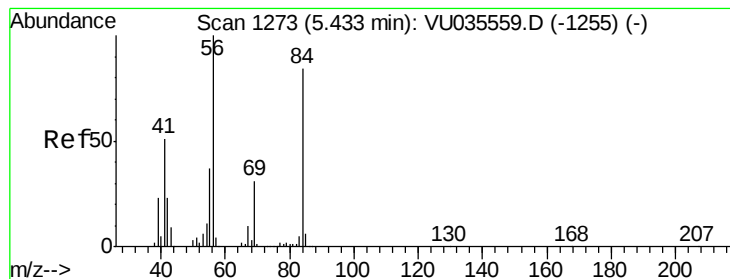
Tgt Ion: 83 Resp: 446681
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 49.222 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Tgt Ion: 62 Resp: 328610
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#29

Cyclohexane

Concen: 52.506 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

VICV35

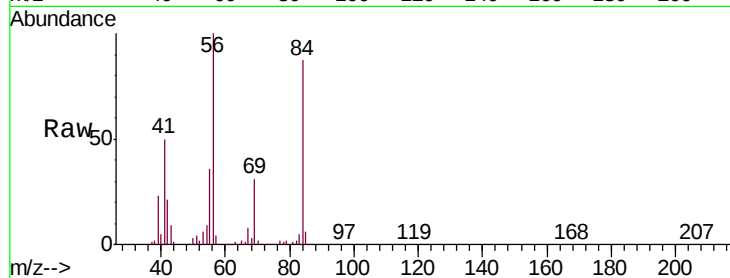
Tgt Ion: 56 Resp: 377958

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

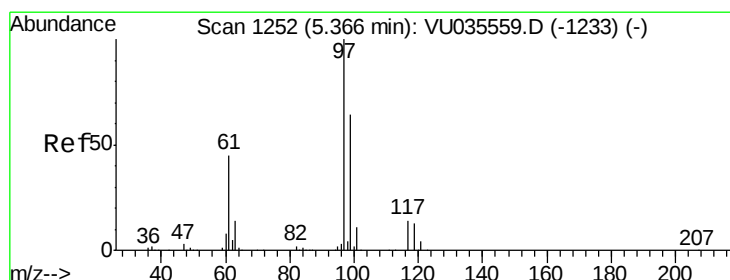
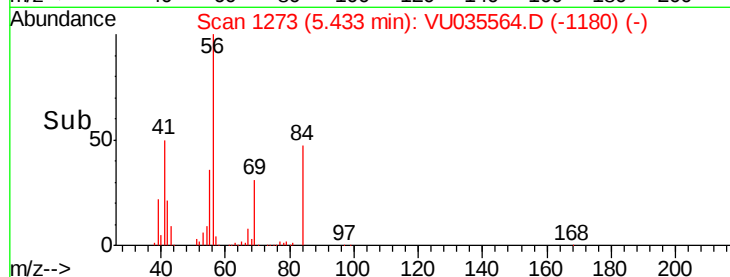
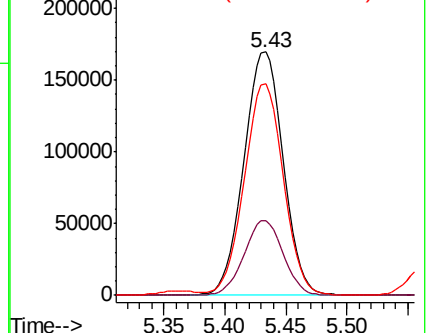
84 86.0 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VU035559.D (-1255) (-)

Ion 69.00 (68.70 to 69.70): VU035559.D (-1255) (-)

Ion 84.00 (83.70 to 84.70): VU035559.D (-1255) (-)



#30

1,1,1-Trichloroethane

Concen: 49.283 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

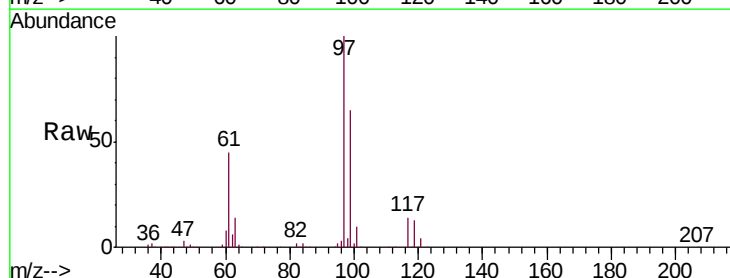
Tgt Ion: 97 Resp: 365562

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

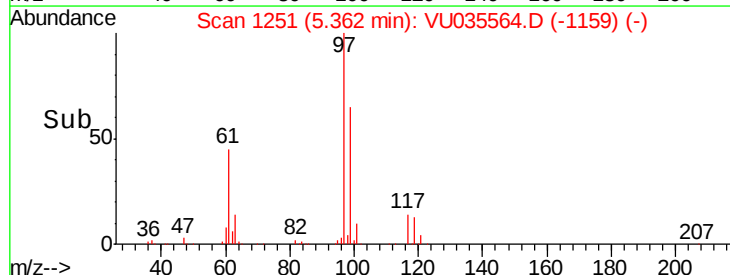
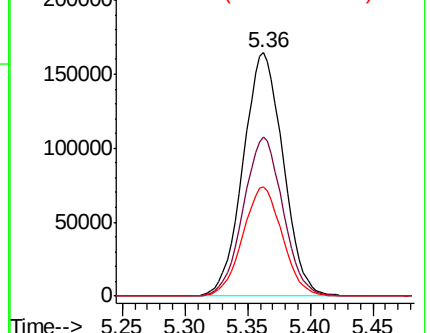
61 44.5 35.1 52.7

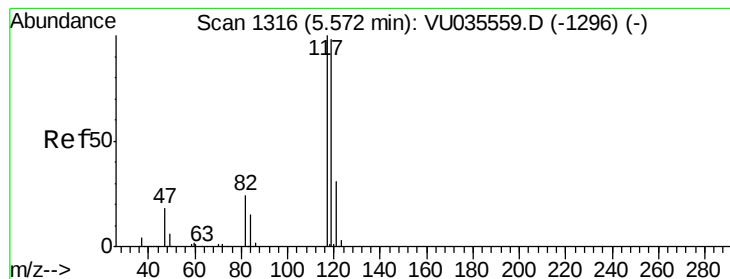


Abundance Ion 97.00 (96.70 to 97.70): VU035559.D (-1233) (-)

Ion 99.00 (98.70 to 99.70): VU035559.D (-1233) (-)

Ion 61.05 (60.75 to 61.75): VU035559.D (-1233) (-)





#31

Carbon tetrachloride

Concen: 49.849 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

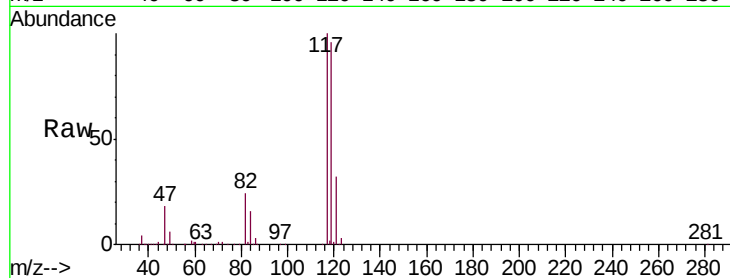
VICV35

Tgt Ion:117 Resp: 328779

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

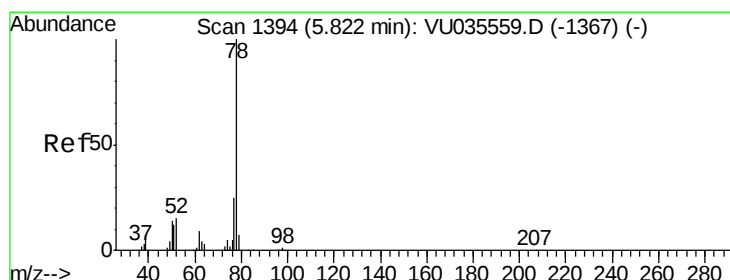
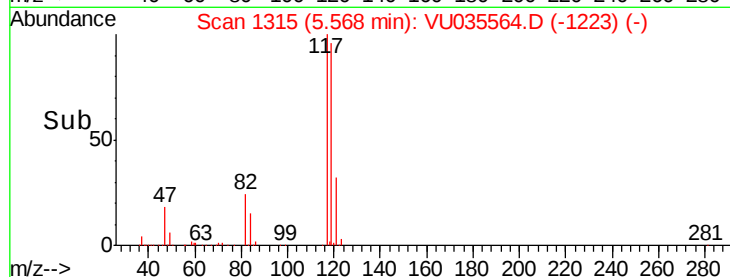
100000

50000

0

5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 50.278 ug/L

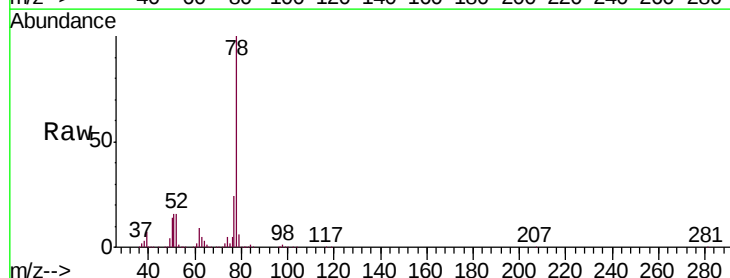
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Tgt Ion: 78 Resp: 997232



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

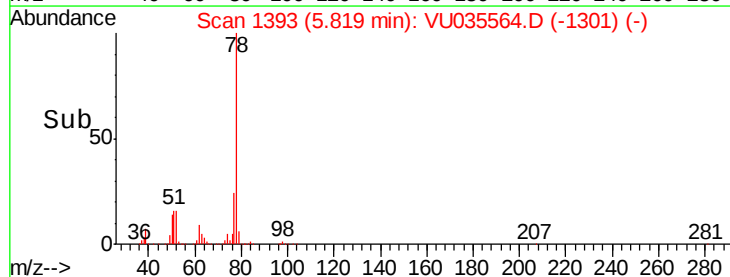
200000

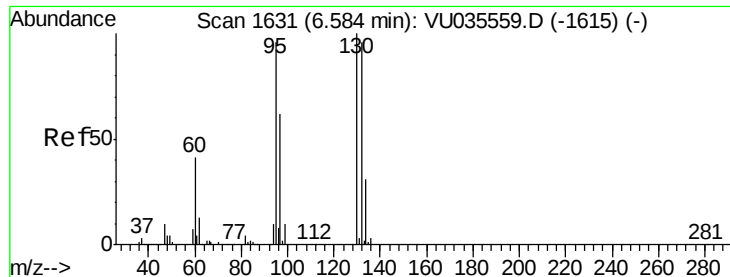
100000

0

5.70 5.80 5.90

Time-->

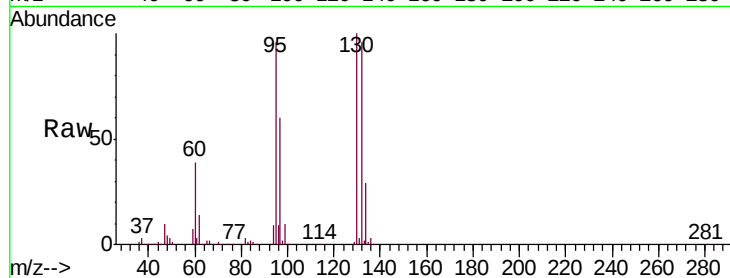




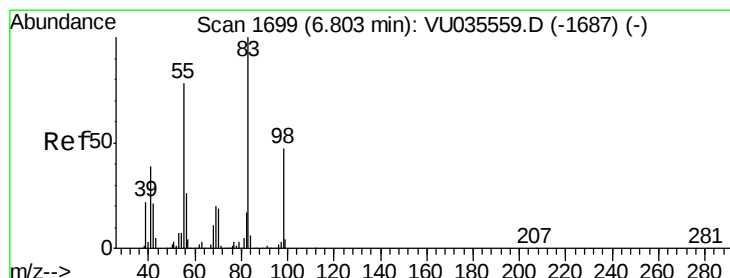
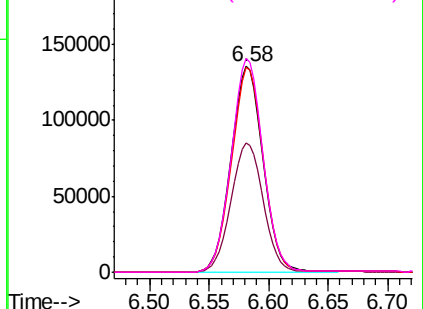
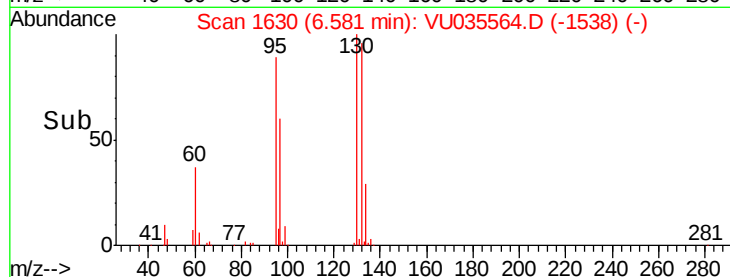
#34
 Trichloroethene
 Concen: 50.481 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Tgt Ion:	95	Resp:	254542
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.6	84.6
132	99.5	69.9	129.7
130	103.8	73.1	135.7

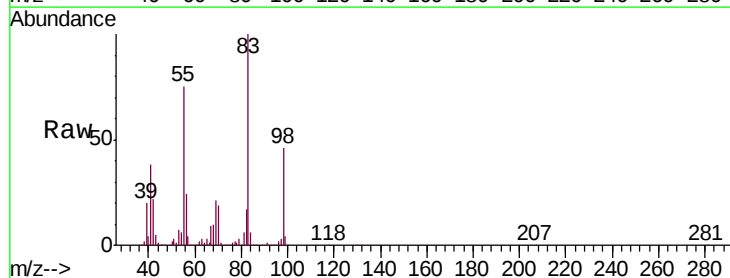


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

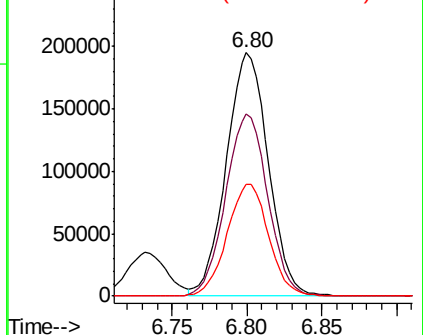
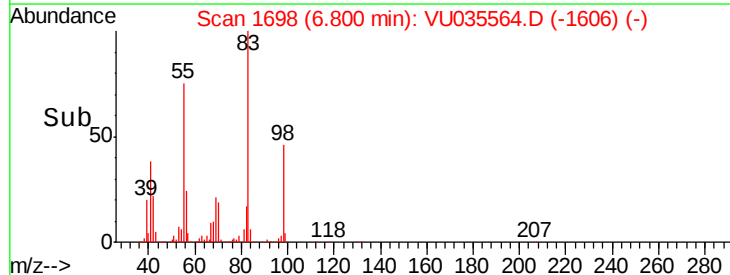


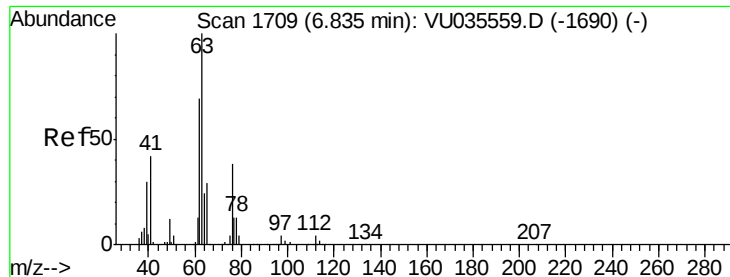
#35
 Methylcyclohexane
 Concen: 51.661 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion:	83	Resp:	378326
Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.0	91.4
98	45.7	36.6	54.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.360 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

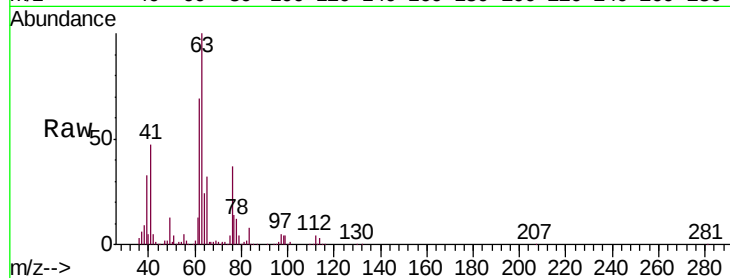
VICV35

Tgt Ion: 63 Resp: 267486

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU035559.D (-1690) (-)

Ion 112.00 (111.70 to 112.70): VU035559.D (-1690) (-)

6.83

150000

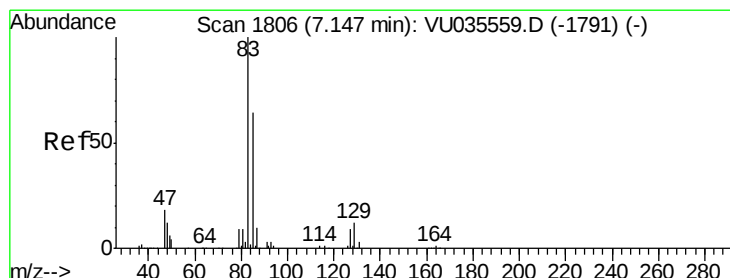
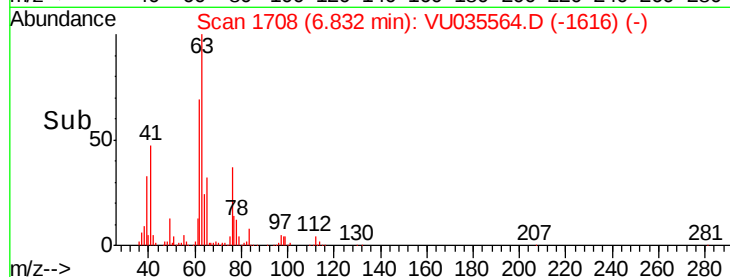
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 48.978 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

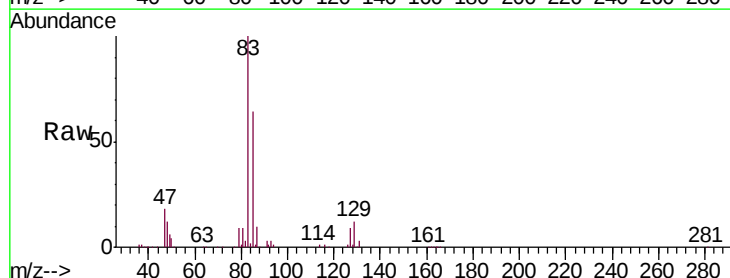
Tgt Ion: 83 Resp: 330663

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

127 8.6 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU035559.D (-1791) (-)

Ion 85.00 (84.70 to 85.70): VU035559.D (-1791) (-)

Ion 127.00 (126.70 to 127.70): VU035559.D (-1791) (-)

7.14

250000

200000

150000

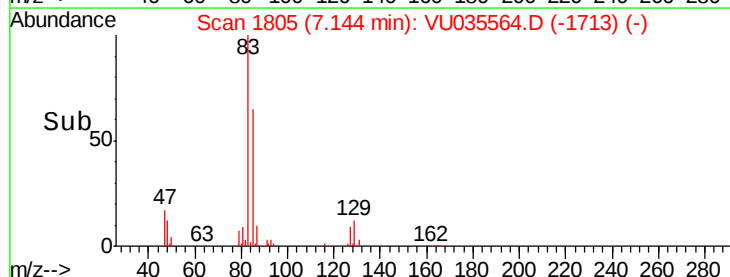
100000

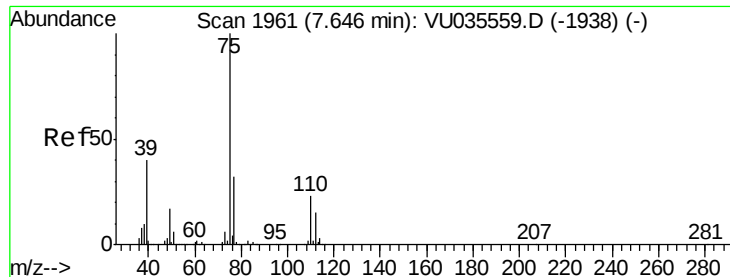
50000

0

7.05 7.10 7.15 7.20 7.25

Time-->

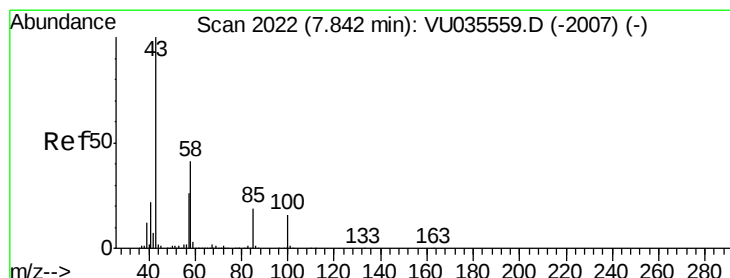
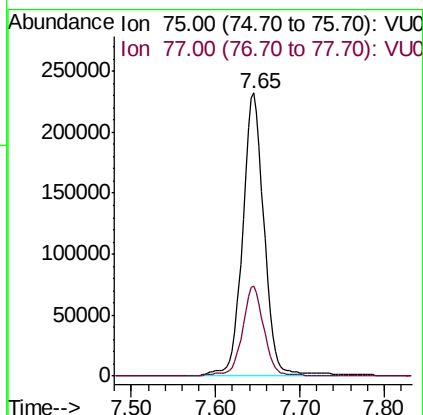
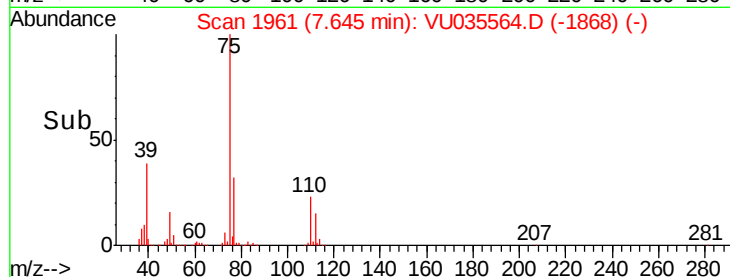
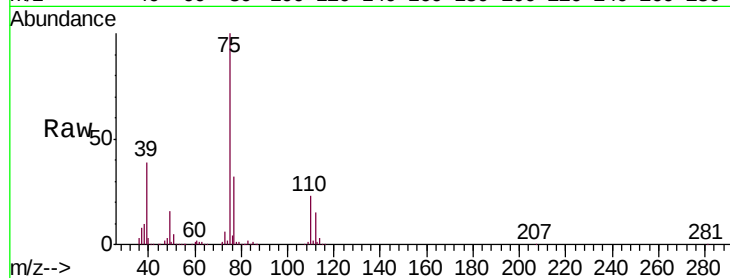




#39
 cis-1,3-Dichloropropene
 Concen: 52.746 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

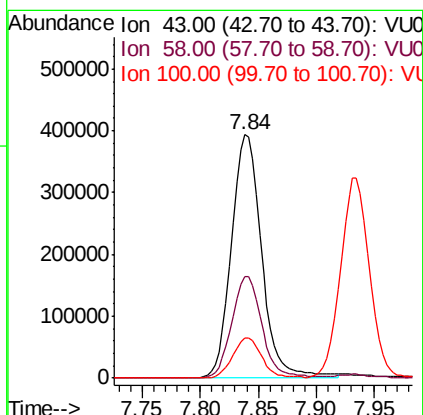
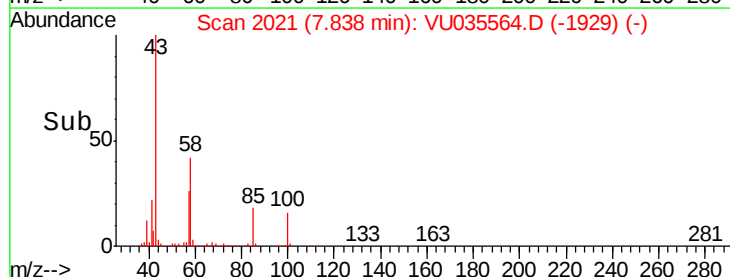
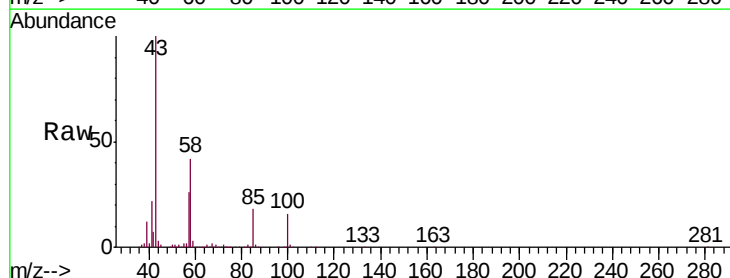
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

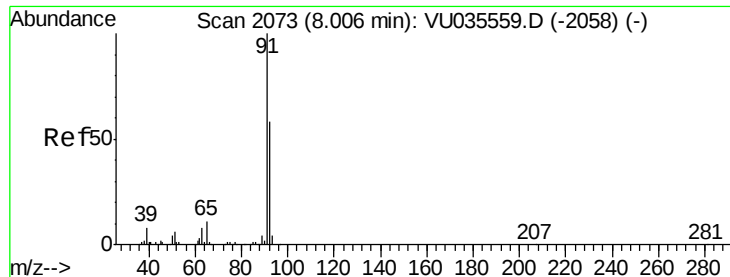
Tgt Ion: 75 Resp: 416419
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.729 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion: 43 Resp: 708649
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.6 49.0
 100 15.9 12.6 19.0





#42

Toluene

Concen: 52.534 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

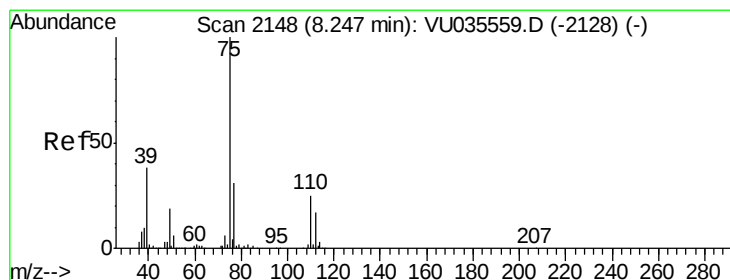
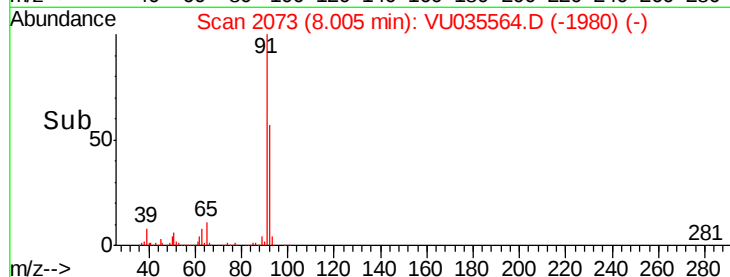
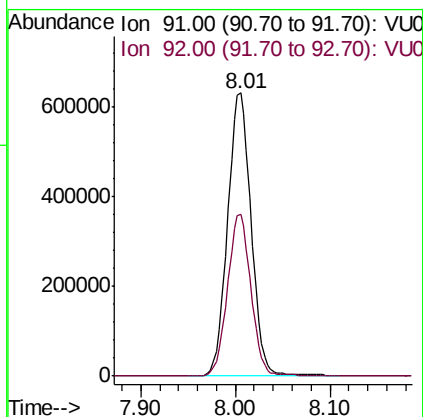
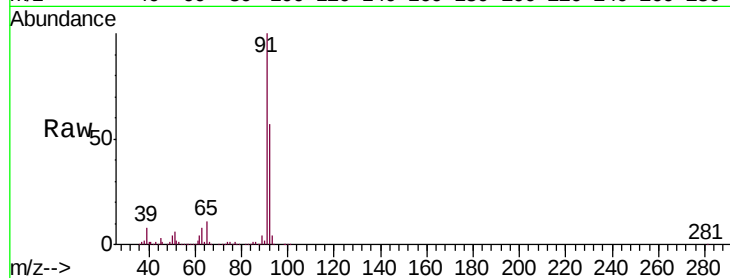
VICV35

Tgt Ion: 91 Resp: 1092071

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 51.356 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035564.D

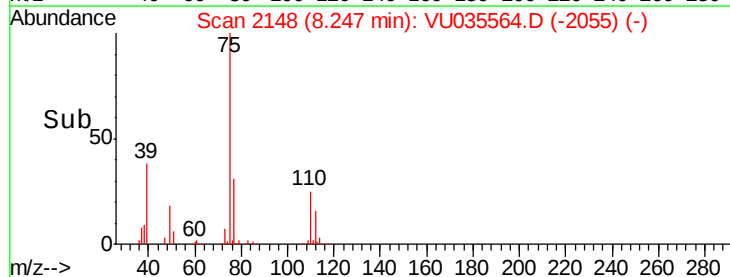
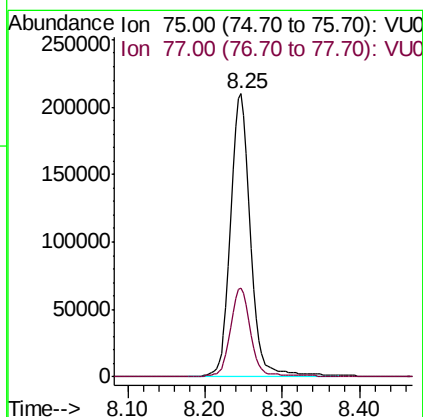
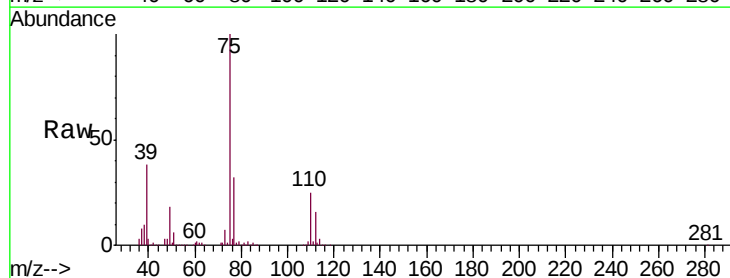
Acq: 30 Oct 2019 16:12

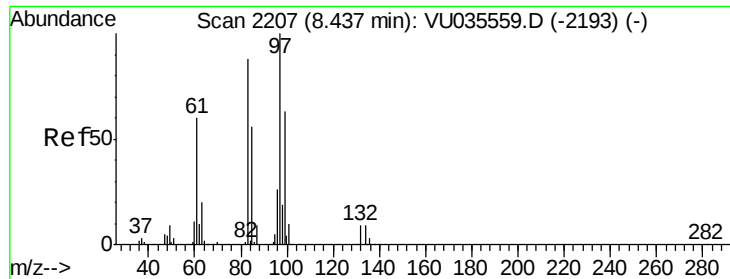
Tgt Ion: 75 Resp: 371649

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1

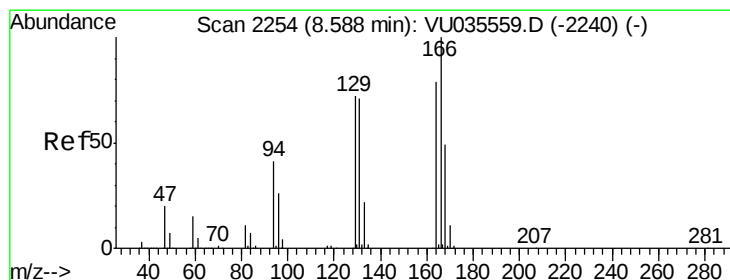
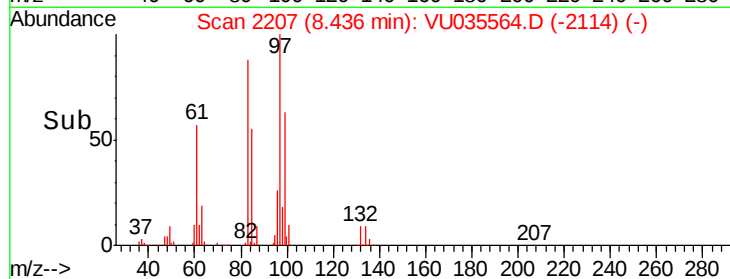
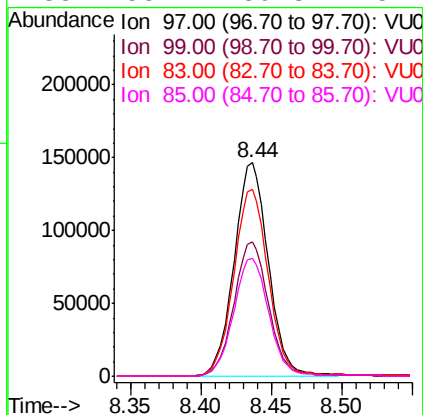
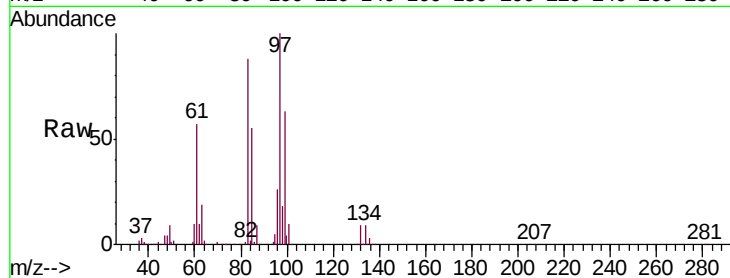




#45
 1,1,2-Trichloroethane
 Concen: 49.177 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

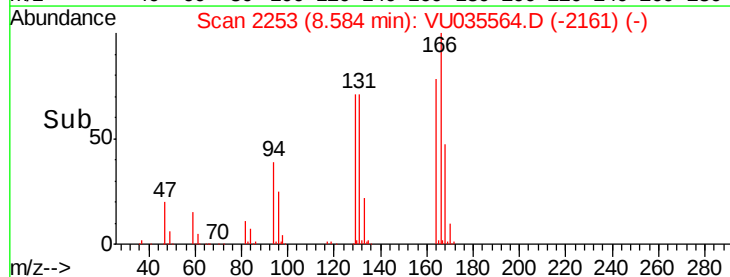
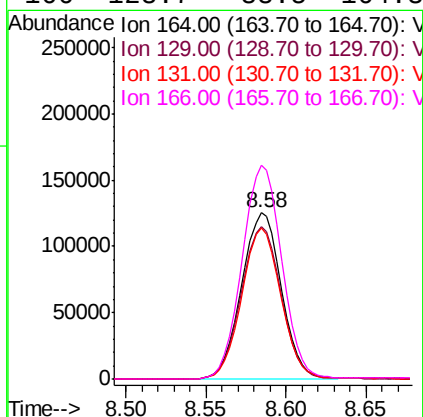
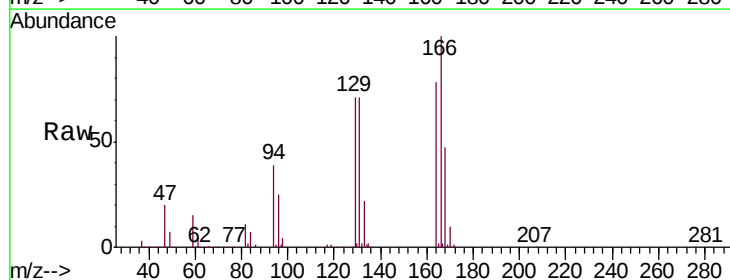
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

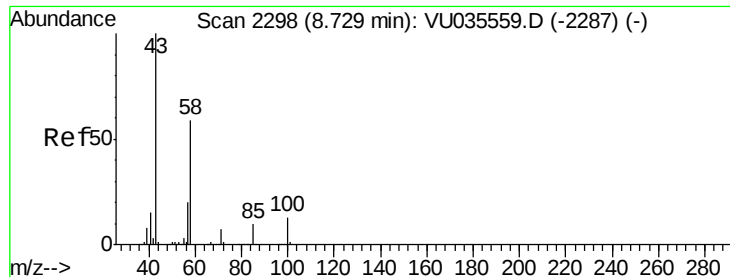
Tgt Ion:	97	Resp:	250363
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	87.7	61.5	114.3
85	55.4	39.3	73.1



#46
 Tetrachloroethene
 Concen: 50.334 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion:	164	Resp:	212220
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.1	119.1
131	90.9	63.1	117.1
166	128.7	88.5	164.3

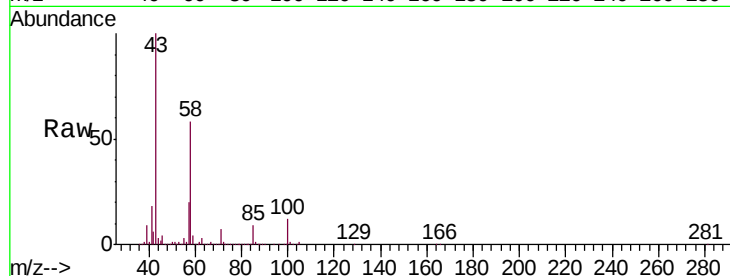




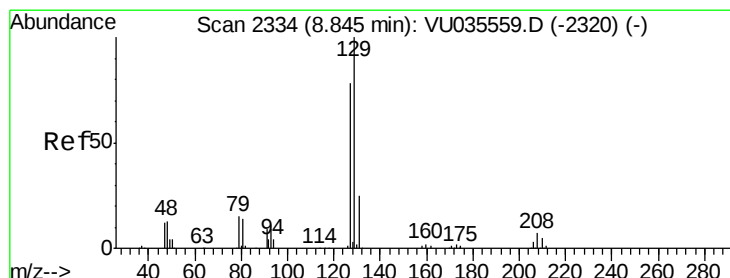
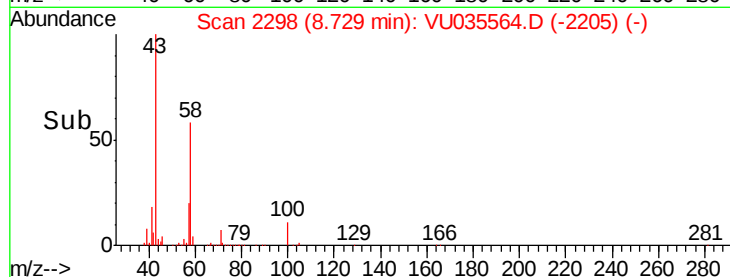
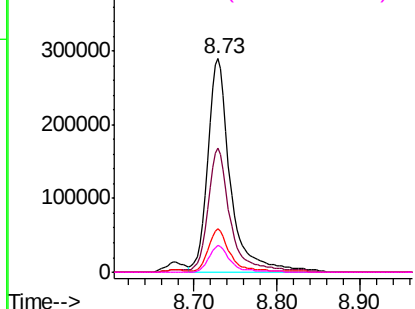
#48
2-Hexanone
Concen: 96.402 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Tgt Ion: 43 Resp: 557057
Ion Ratio Lower Upper
43 100
58 54.5 50.4 75.6
57 18.6 17.4 26.0
100 11.9 10.5 15.7

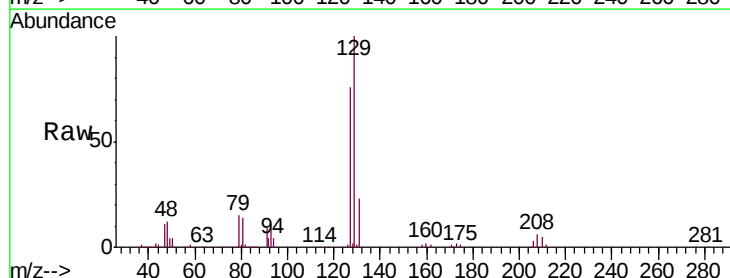


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

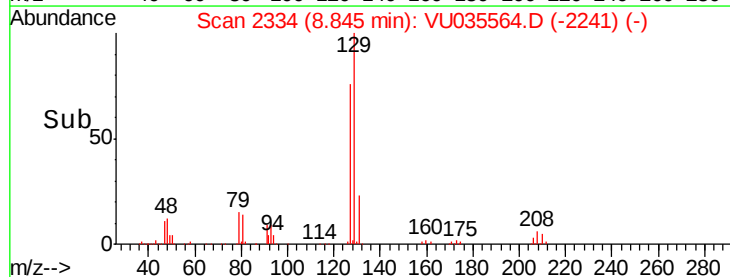
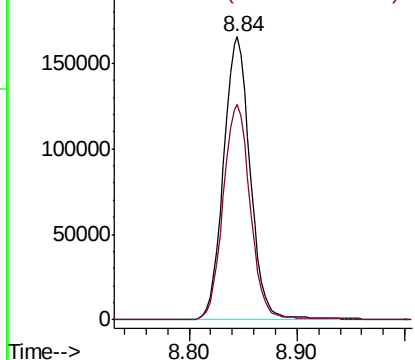


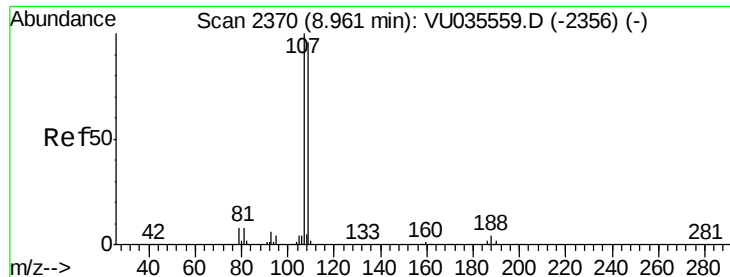
#49
Dibromochloromethane
Concen: 49.726 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Tgt Ion: 129 Resp: 285488
Ion Ratio Lower Upper
129 100
127 76.2 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

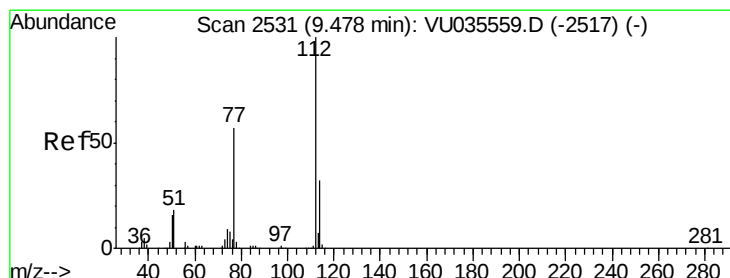
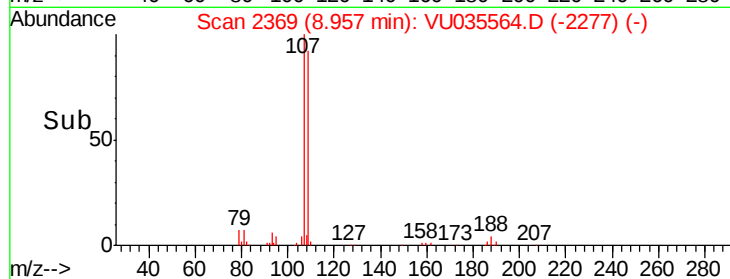
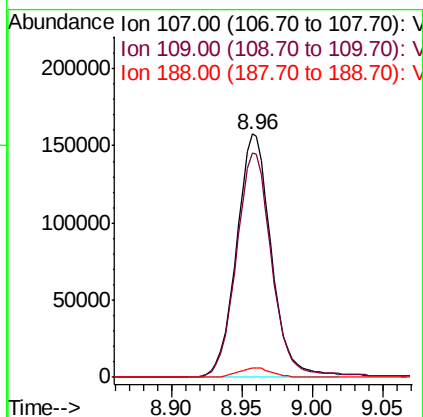
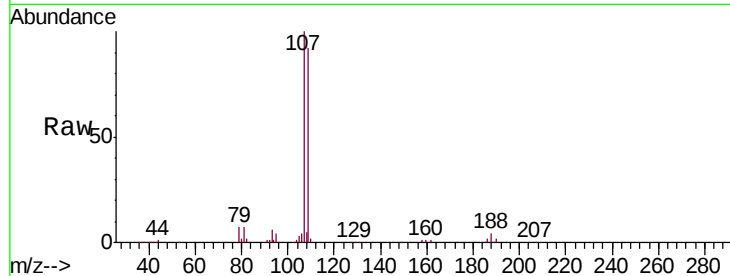




#50
1,2-Dibromoethane
Concen: 50.059 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

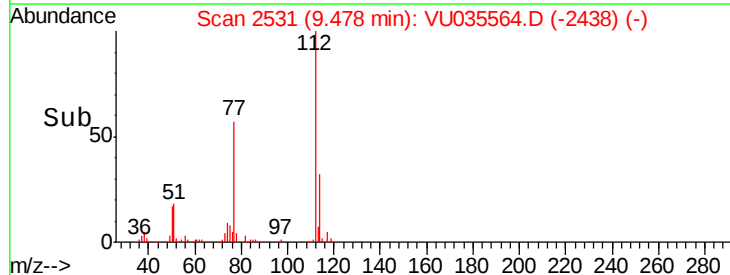
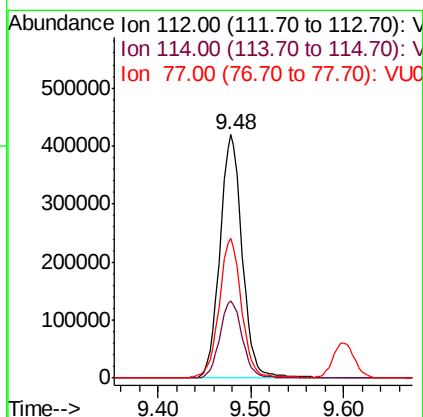
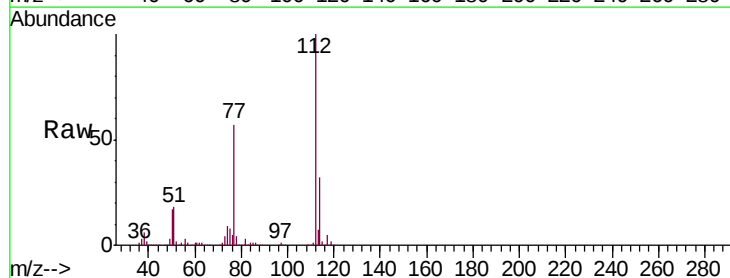
Instrument :
MSVOA_U
ClientSampleId :
VICV35

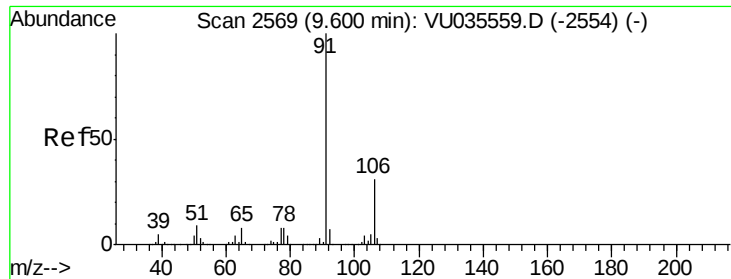
Tgt Ion:	107	Resp:	271907
Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.8	124.2
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 50.404 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035564.D
Acq: 30 Oct 2019 16:12

Tgt Ion:	112	Resp:	699495
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	57.2	45.9	68.9





#52

Ethylbenzene

Concen: 51.559 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

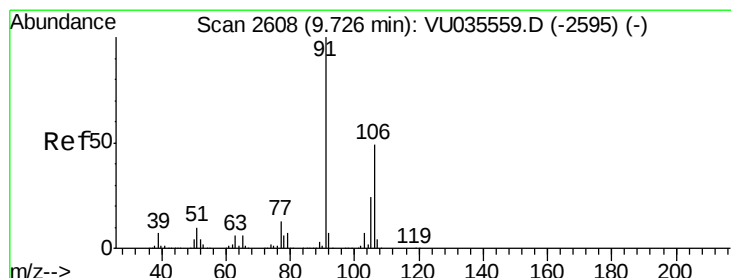
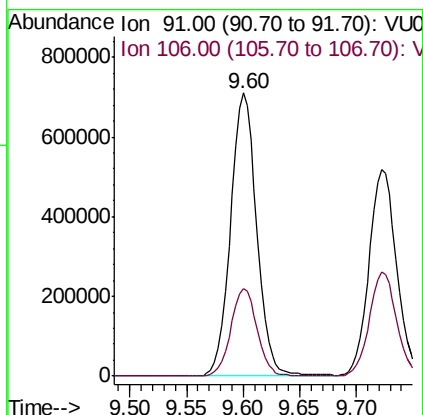
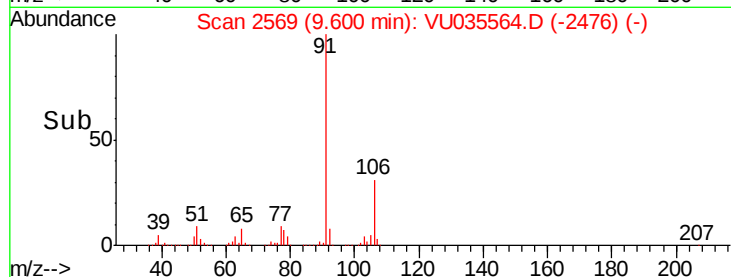
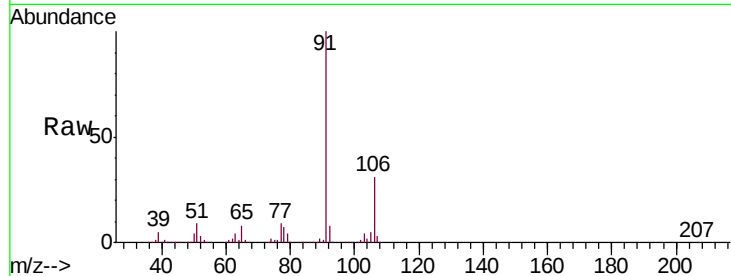
VICV35

Tgt Ion: 91 Resp: 1145806

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



#53

m,p-Xylene

Concen: 53.024 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035564.D

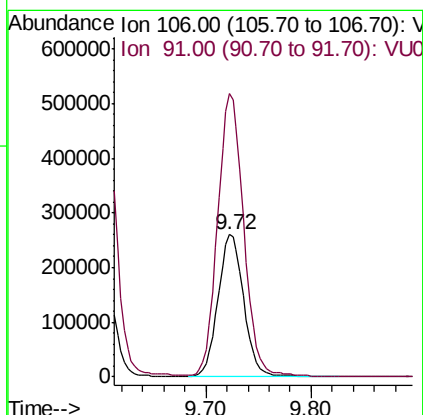
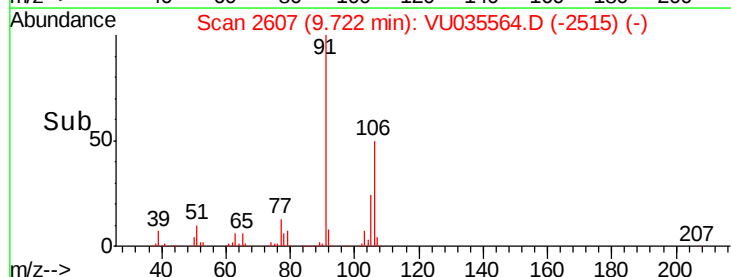
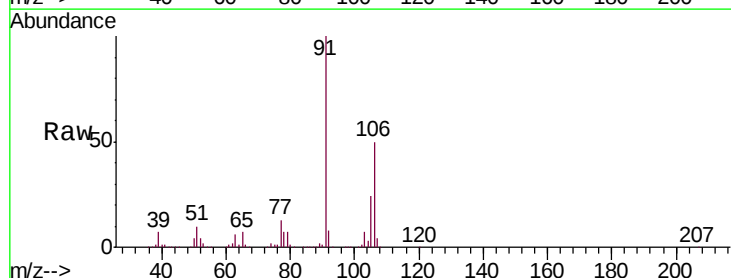
Acq: 30 Oct 2019 16:12

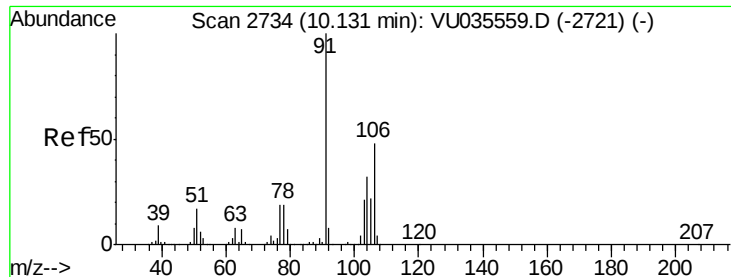
Tgt Ion: 106 Resp: 442173

Ion Ratio Lower Upper

106 100

91 198.8 142.7 264.9





#54

o-xylene

Concen: 53.102 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

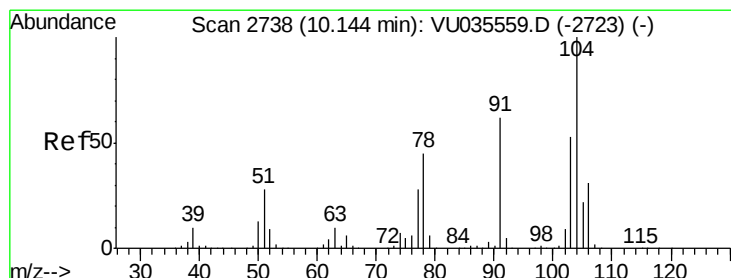
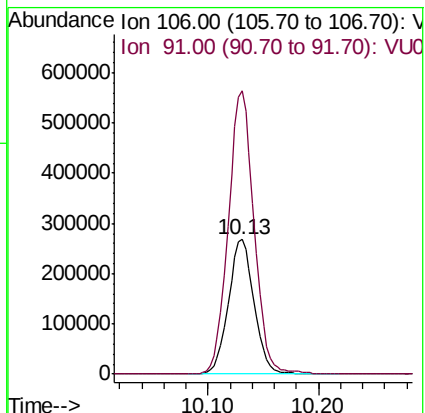
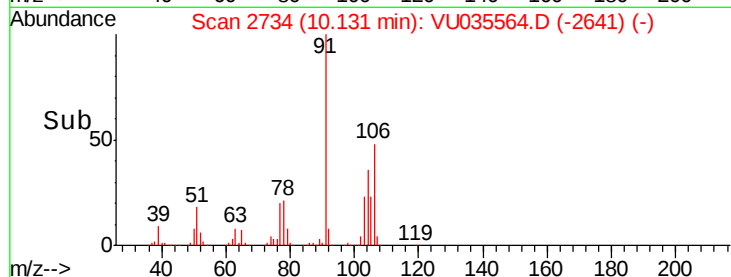
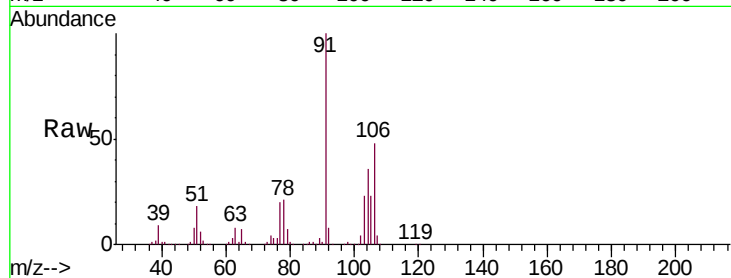
VICV35

Tgt Ion:106 Resp: 432805

Ion Ratio Lower Upper

106 100

91 210.4 147.1 273.1



#55

Styrene

Concen: 53.548 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035564.D

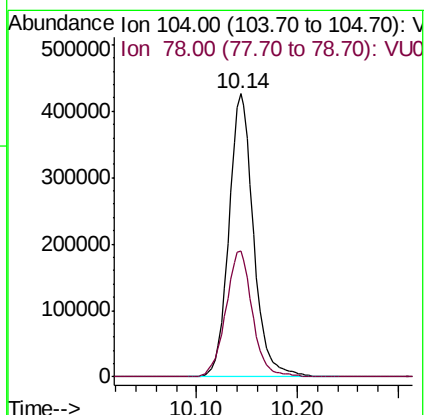
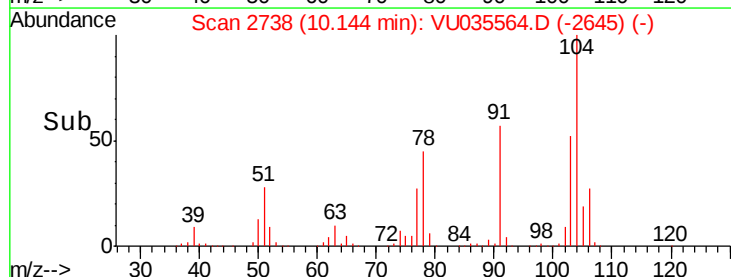
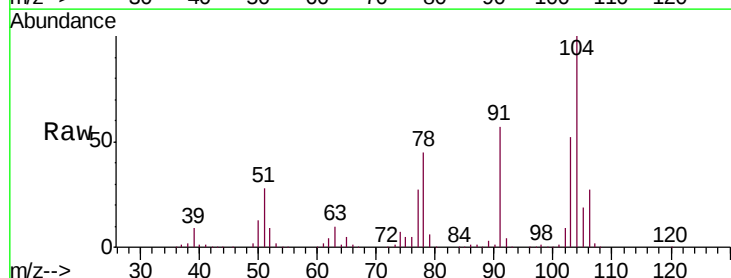
Acq: 30 Oct 2019 16:12

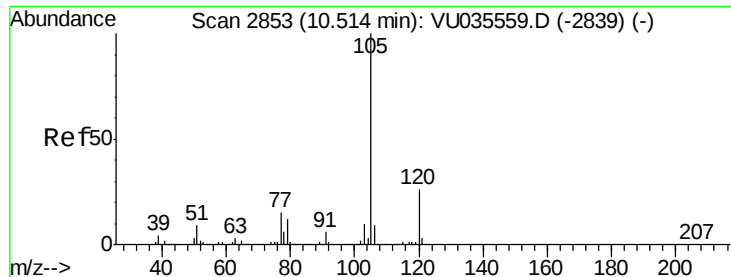
Tgt Ion:104 Resp: 724321

Ion Ratio Lower Upper

104 100

78 44.6 31.4 58.4





#56

Isopropylbenzene

Concen: 52.996 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

VICV35

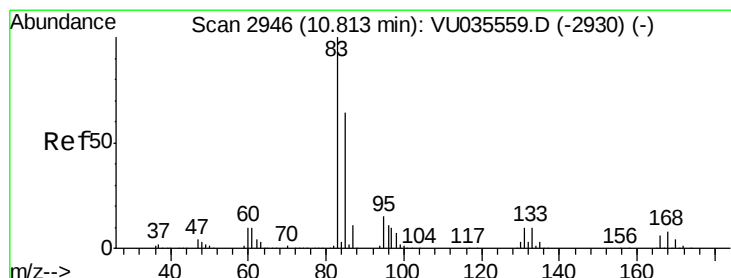
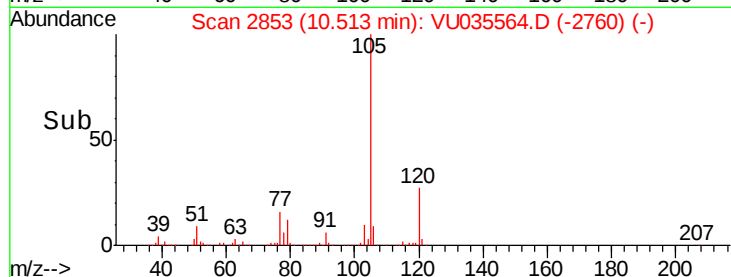
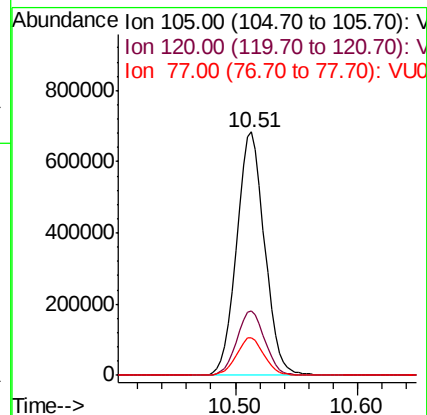
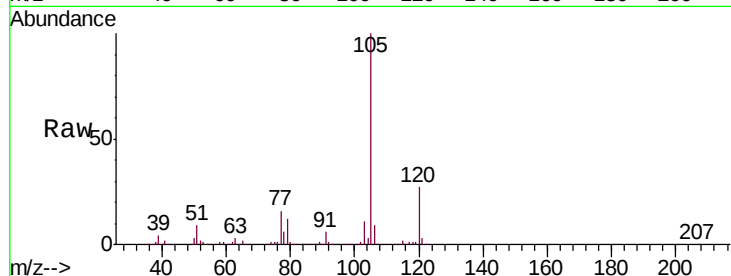
Tgt Ion:105 Resp: 1085445

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 15.4 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.195 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

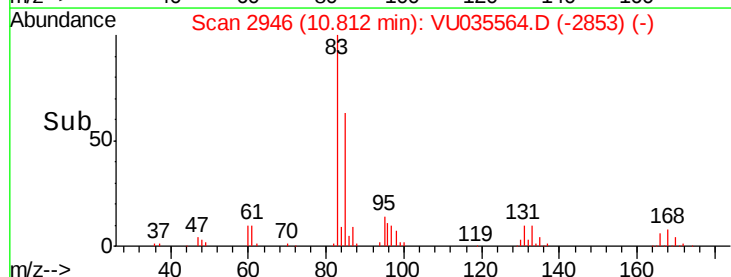
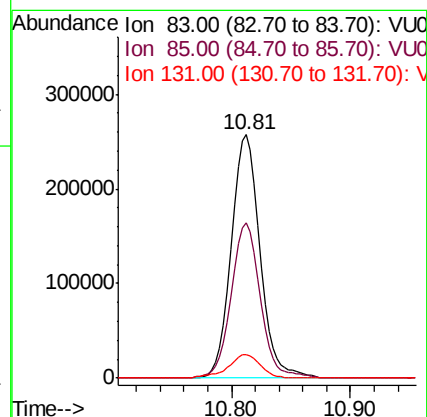
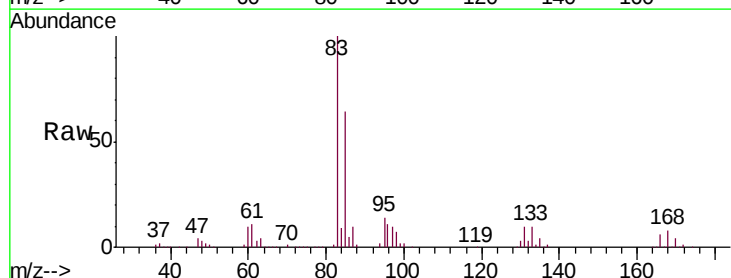
Tgt Ion: 83 Resp: 431394

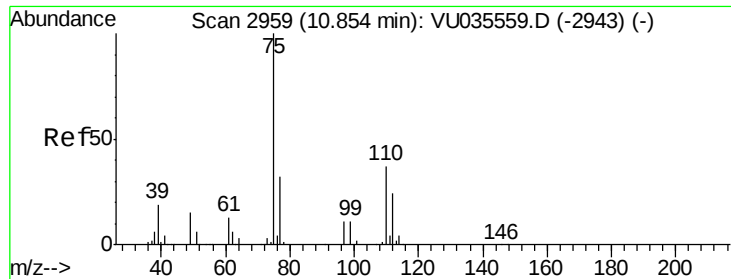
Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

131 9.6 8.2 12.4

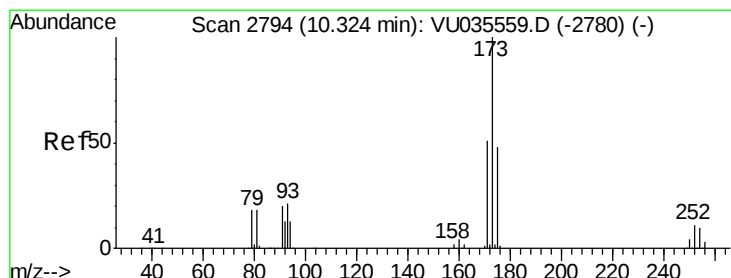
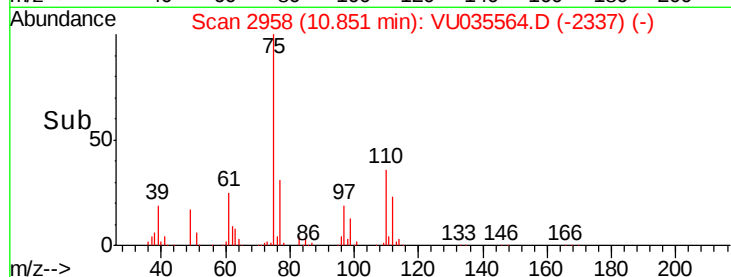
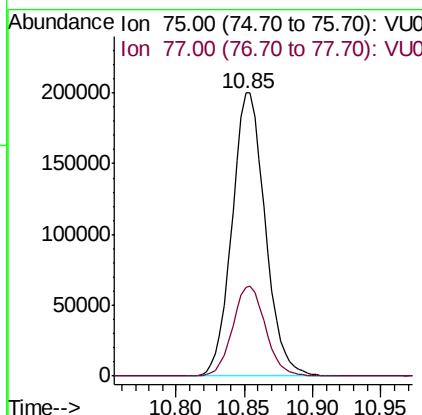
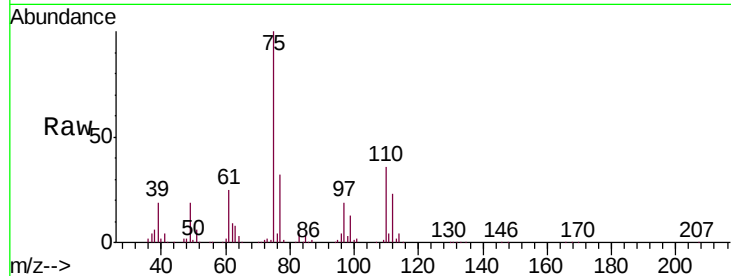




#59
 1,2,3-Trichloropropane
 Concen: 48.826 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

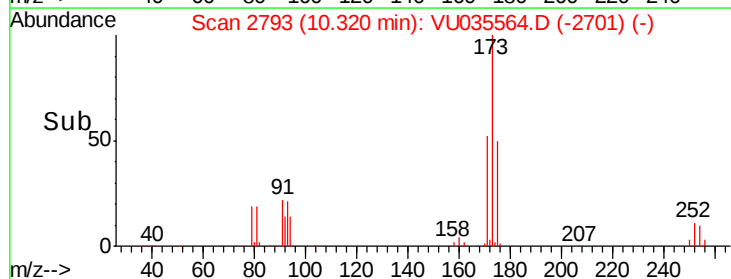
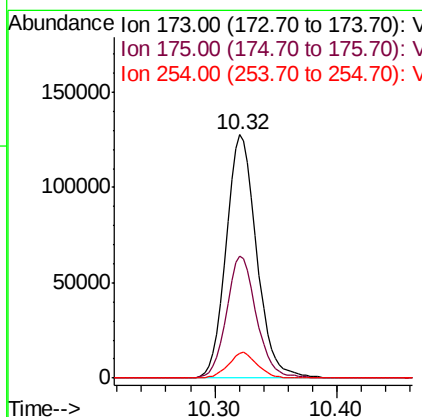
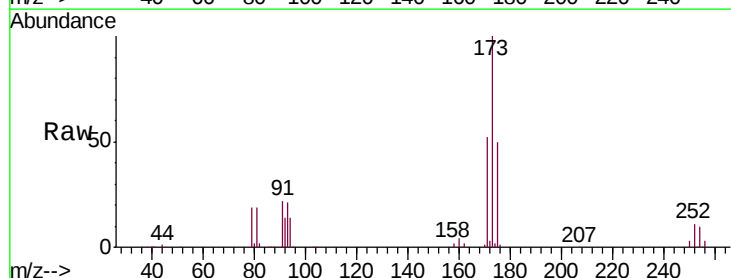
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

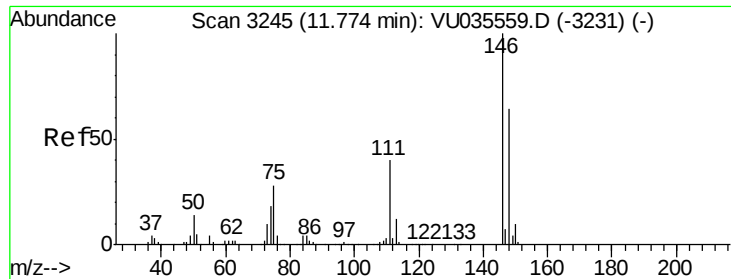
Tgt Ion: 75 Resp: 338147
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5



#61
 Bromoform
 Concen: 44.325 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion: 173 Resp: 223324
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.0
 254 10.1 8.1 12.1

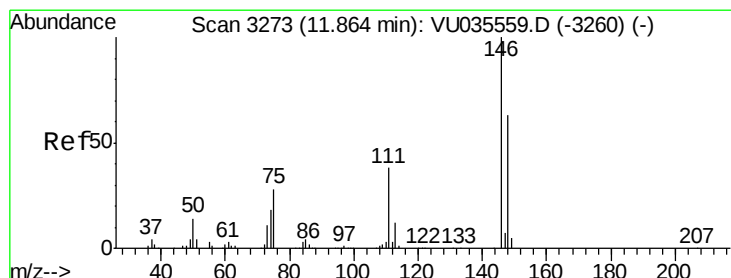
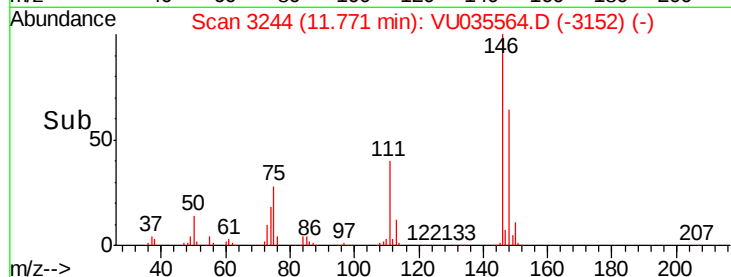
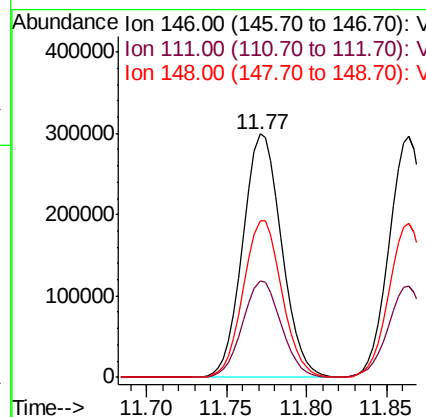
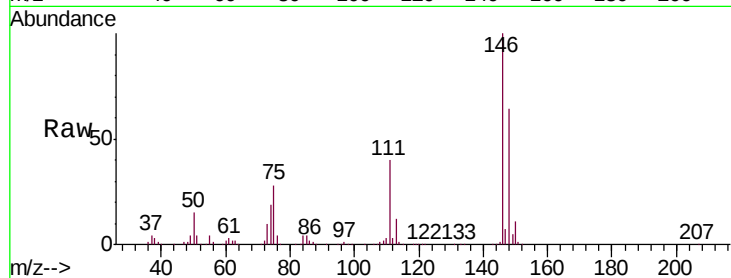




#62
 1,3-Dichlorobenzene
 Concen: 47.483 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

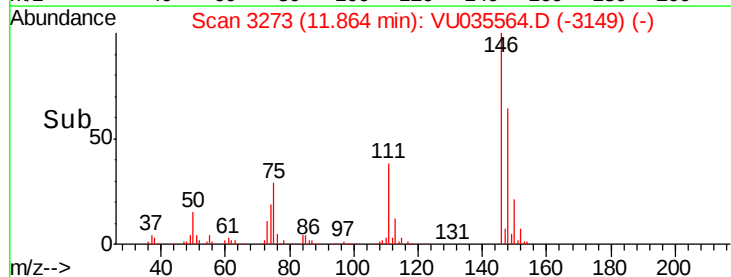
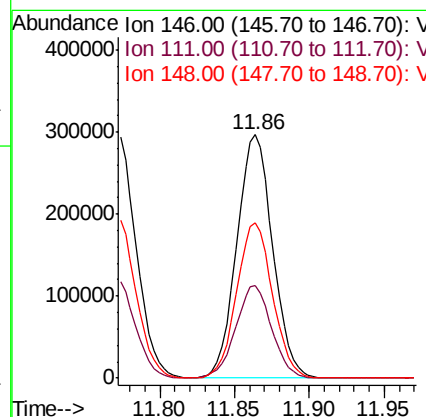
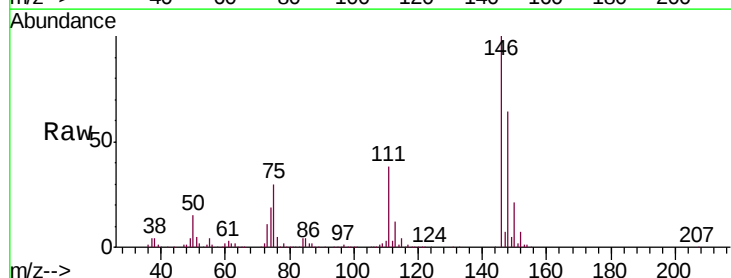
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

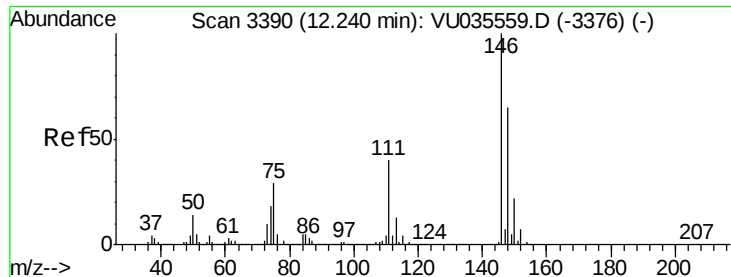
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.8	51.6
148	64.2	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 46.595 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.1
148	63.7	44.4	82.5

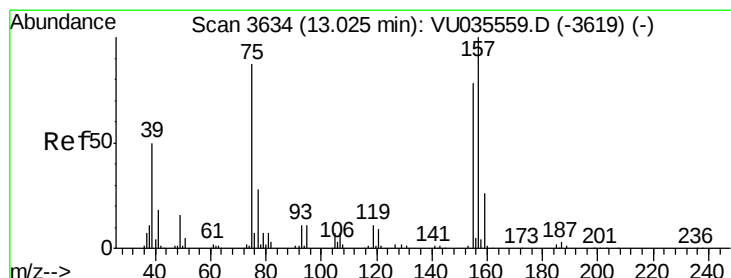
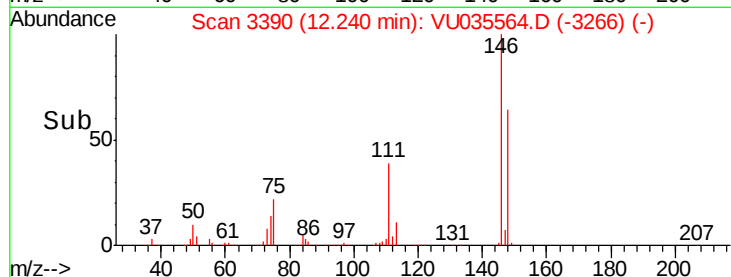
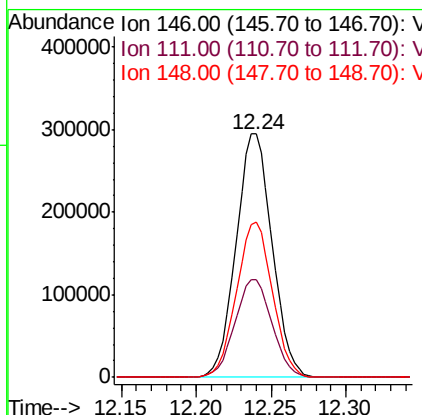
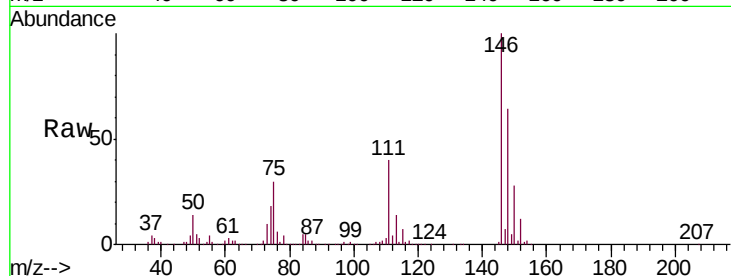




#65
 1,2-Dichlorobenzene
 Concen: 46.610 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

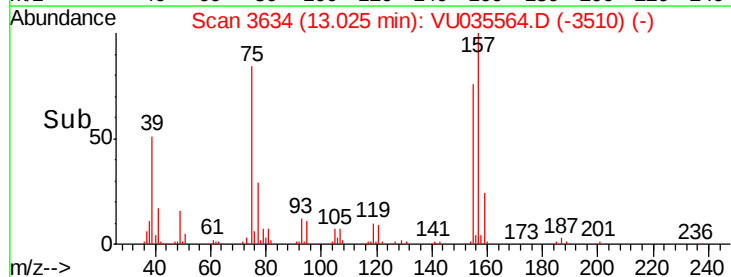
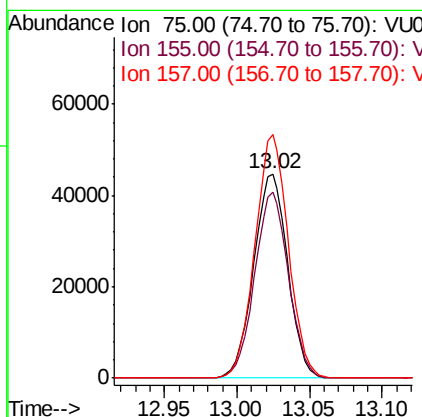
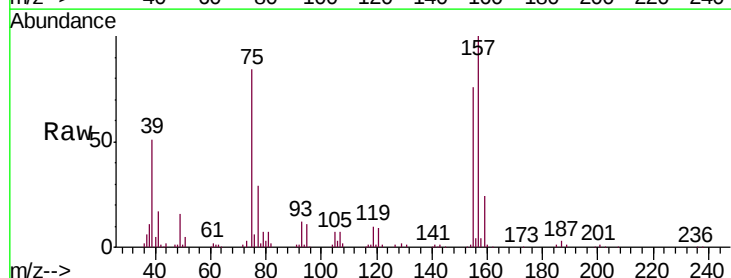
Instrument :
 MSVOA_U
 ClientSampled :
 VICV35

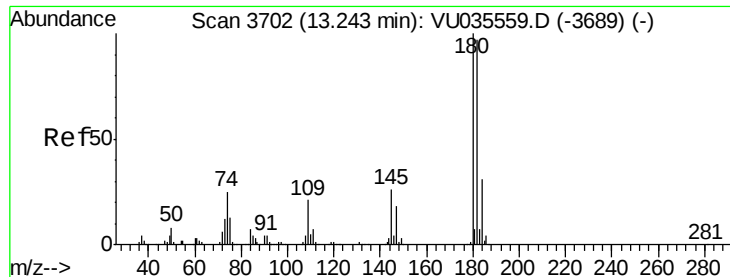
Tgt Ion:146 Resp: 494367
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.4 48.6
 148 64.0 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.403 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion: 75 Resp: 73020
 Ion Ratio Lower Upper
 75 100
 155 91.1 72.2 108.4
 157 119.2 92.1 138.1

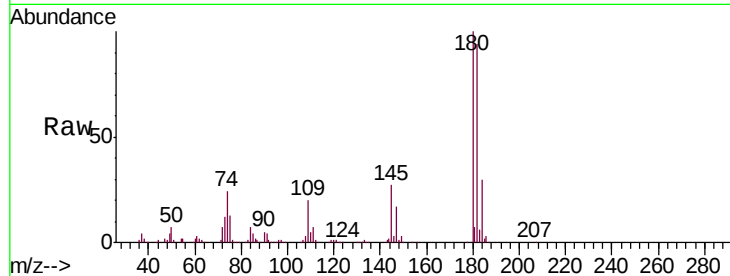




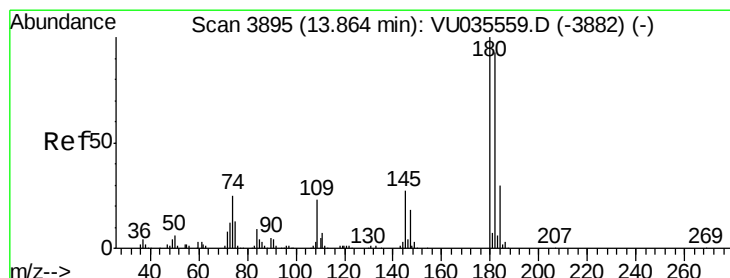
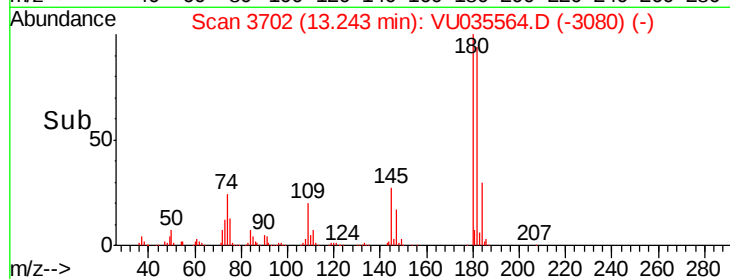
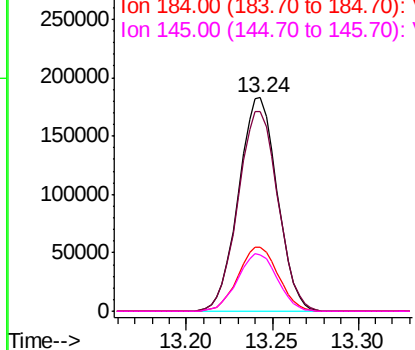
#67
 1,3,5-Trichlorobenzene
 Concen: 47.604 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Instrument :
 MSVOA_U
 ClientSampled :
 VICV35

Tgt Ion:	180	Resp:	286526
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
184	30.9	24.6	36.8
145	27.5	21.7	32.5

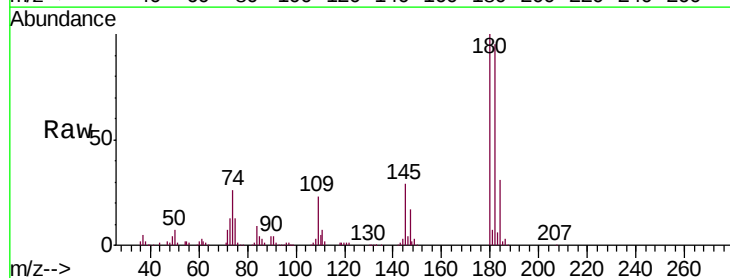


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

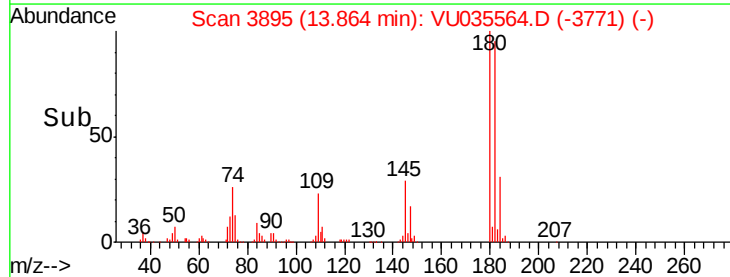
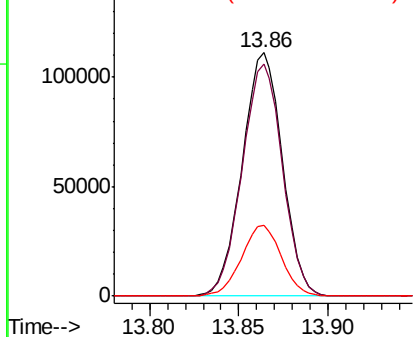


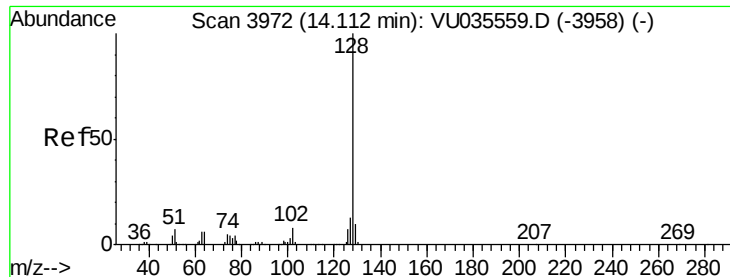
#68
 1,2,4-trichlorobenzene
 Concen: 43.386 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035564.D
 Acq: 30 Oct 2019 16:12

Tgt Ion:	180	Resp:	174926
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
145	28.9	21.9	32.9



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





#69

Naphthalene

Concen: 40.414 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

Instrument :

MSVOA_U

ClientSampleId :

VICV35

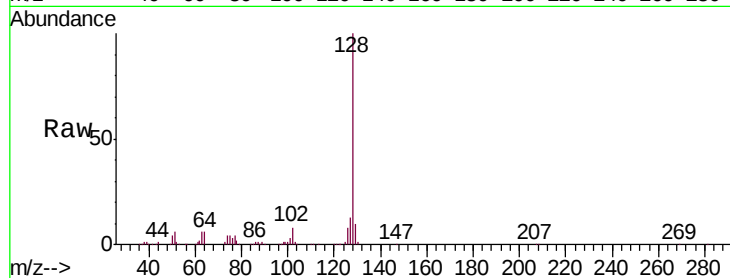
Tgt Ion:128 Resp: 417946

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

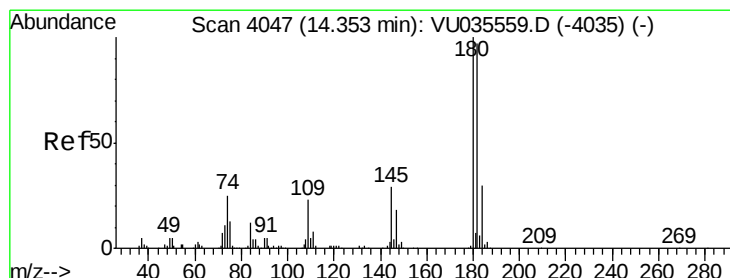
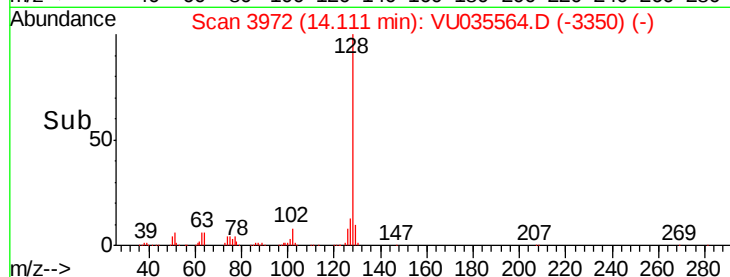
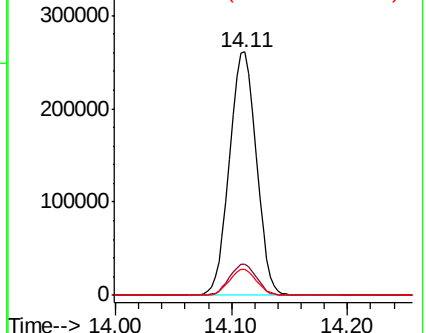
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 43.889 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035564.D

Acq: 30 Oct 2019 16:12

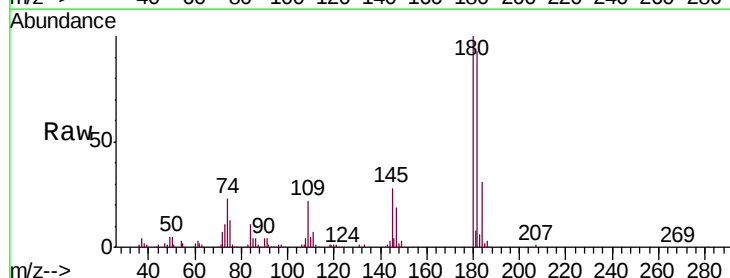
Tgt Ion:180 Resp: 190664

Ion Ratio Lower Upper

180 100

182 94.0 77.6 116.4

145 28.3 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

