

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080519\
 Data File : VU033596.D
 Acq On : 05 Aug 2019 13:16
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Quant Time: Aug 06 05:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	362581	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	348707	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	192469	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104783	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.44%
7) Chloroethane-d5	1.67	69	112809	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.26	63	219402	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
21) 2-Butanone-d5	4.16	46	183714	97.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.87%
24) Chloroform-d	4.62	84	202385	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	5.29	65	126672	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
32) Benzene-d6	5.32	84	402743	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
36) 1,2-Dichloropropane-d6	6.31	67	129831	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.55	98	382711	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.83	79	64947	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.30	63	136275	102.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.09%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	199381	47.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	160597	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	152067	49.045 ug/L	99
3) Chloromethane	1.32	50	161654	48.107 ug/L	100
5) Vinyl chloride	1.39	62	177744	48.344 ug/L	97
6) Bromomethane	1.62	94	124851	42.511 ug/L	97
8) Chloroethane	1.69	64	131301	45.413 ug/L	98
9) Trichlorofluoromethane	1.87	101	230259	48.021 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	121923	50.064 ug/L	99
12) 1,1-Dichloroethene	2.27	96	117997	49.827 ug/L	97
13) Acetone	2.32	43	181950	97.313 ug/L	100
14) Carbon disulfide	2.46	76	356330	48.542 ug/L	100
15) Methyl Acetate	2.60	43	145167	47.550 ug/L	99
16) Methylene chloride	2.68	84	130859	47.364 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	122137	48.343 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	386185	49.359 ug/L	99
19) 1,1-Dichloroethane	3.42	63	227098	47.755 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	138136	49.570 ug/L	100
22) 2-Butanone	4.24	43	232573	99.030 ug/L	98

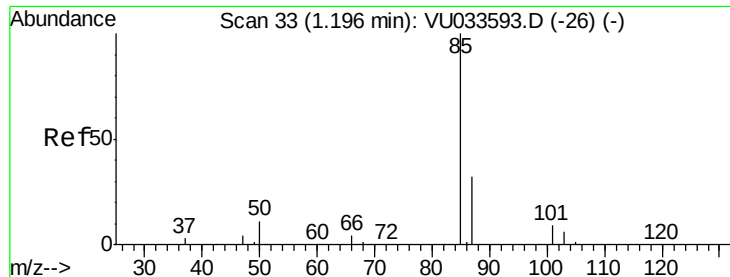
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	70374	48.293	ug/L	97
25) Chloroform	4.65	83	231751	47.165	ug/L	99
27) 1,2-Dichloroethane	5.38	62	182758	47.607	ug/L	99
29) Cyclohexane	4.97	56	207181	52.168	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	198583	48.683	ug/L	99
31) Carbon tetrachloride	5.11	117	175963	49.143	ug/L	100
33) Benzene	5.37	78	509388	49.071	ug/L	100
34) Trichloroethene	6.16	95	132520	49.564	ug/L	99
35) Methylcyclohexane	6.40	83	222081	52.763	ug/L	99
37) 1,2-Dichloropropane	6.41	63	138220	48.753	ug/L	100
38) Bromodichloromethane	6.74	83	174505	48.833	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	219967	51.020	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	406748	100.255	ug/L	99
42) Toluene	7.62	91	564599	50.909	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	197311	50.860	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	128717	48.523	ug/L	98
46) Tetrachloroethene	8.21	164	113267	51.634	ug/L	99
48) 2-Hexanone	8.35	43	329474	101.691	ug/L	99
49) Dibromochloromethane	8.46	129	148093	49.674	ug/L	98
50) 1,2-Dibromoethane	8.57	107	143542	49.405	ug/L	99
51) Chlorobenzene	9.10	112	363354	50.175	ug/L	100
52) Ethylbenzene	9.23	91	616550	51.276	ug/L	99
53) m,p-Xylene	9.36	106	239549	52.313	ug/L	99
54) o-xylene	9.76	106	233011	51.949	ug/L	98
55) Styrene	9.77	104	397333	52.169	ug/L	99
56) Isopropylbenzene	10.15	105	609615	52.683	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	230952	48.690	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	179635	48.376	ug/L	99
61) Bromoform	9.94	173	115631	48.255	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	301000	49.847	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	303792	49.245	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	298290	49.528	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	55357	48.773	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	241072	51.853	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	215927	54.445	ug/L	99
69) Naphthalene	13.73	128	625416	54.263	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	218617	51.820	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.045 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

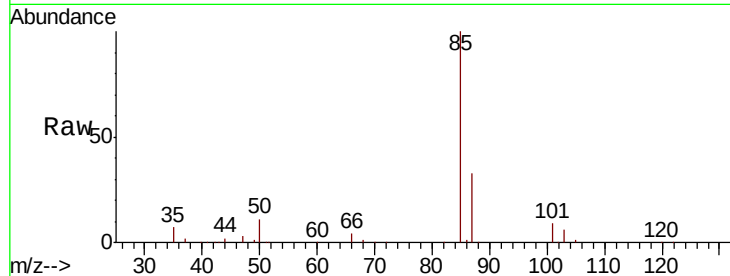
VICV35

Tgt Ion: 85 Resp: 152067

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033596.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033596.D (-1) (-)

1.20

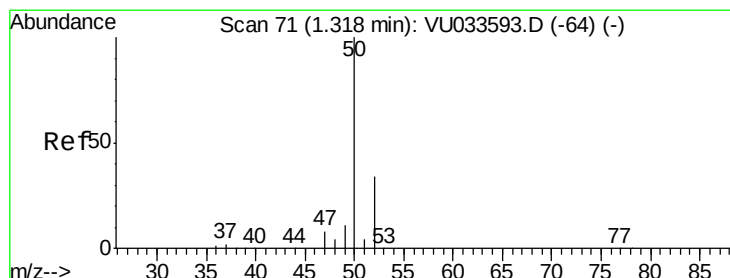
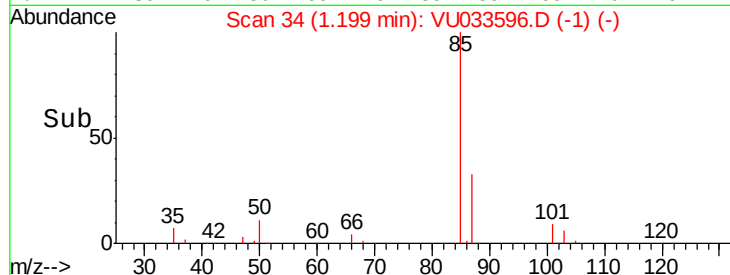
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.107 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033596.D

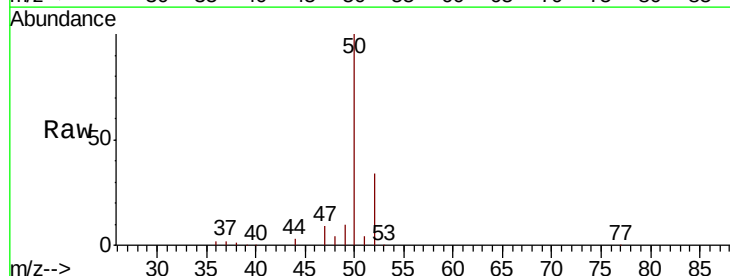
Acq: 05 Aug 2019 13:16

Tgt Ion: 50 Resp: 161654

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU033596.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033596.D (-1) (-)

1.32

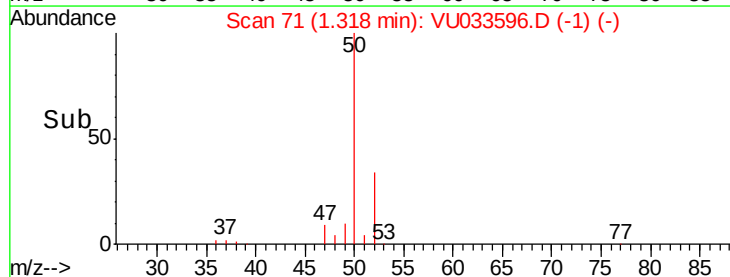
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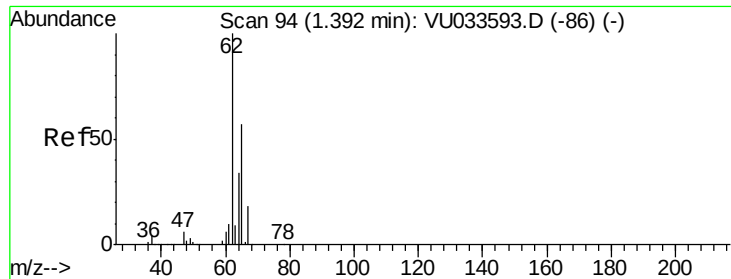
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.344 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

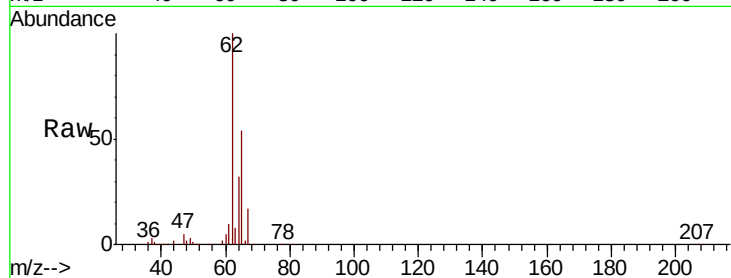
VICV35

Tgt Ion: 62 Resp: 177744

Ion Ratio Lower Upper

62 100

64 32.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU033596.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033596.D (-86) (-)

1.39

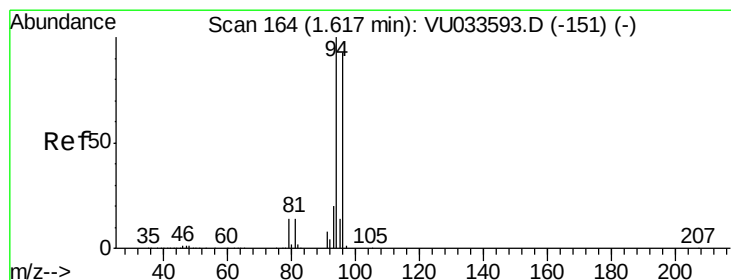
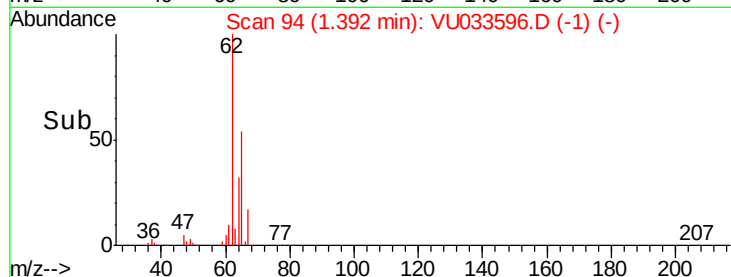
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 42.511 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033596.D

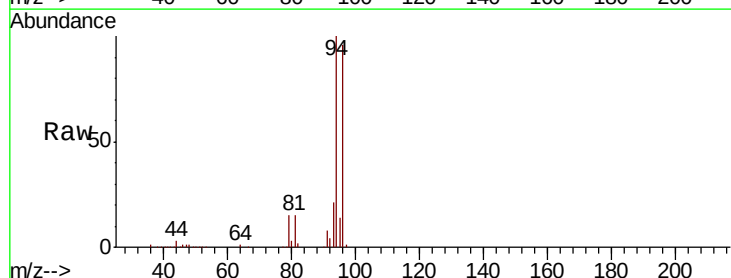
Acq: 05 Aug 2019 13:16

Tgt Ion: 94 Resp: 124851

Ion Ratio Lower Upper

94 100

96 96.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU033596.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU033596.D (-151) (-)

1.62

120000

100000

80000

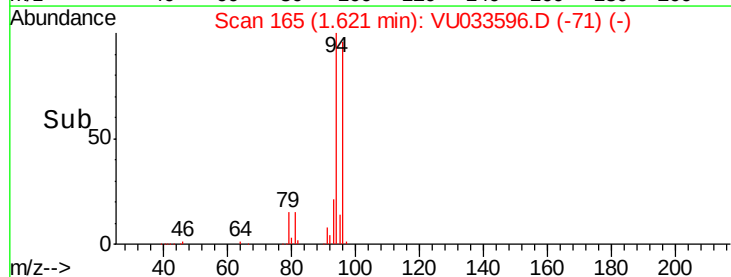
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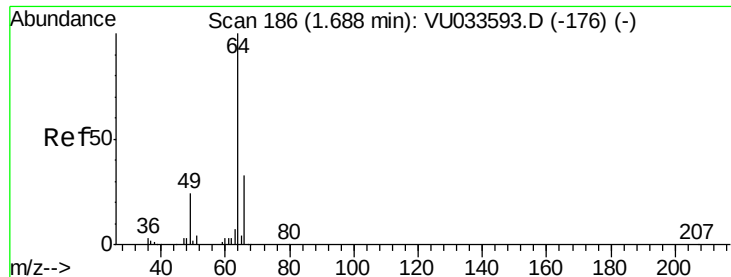
40000

20000

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Time-->

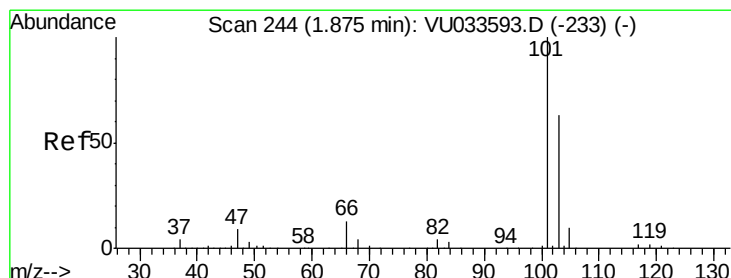
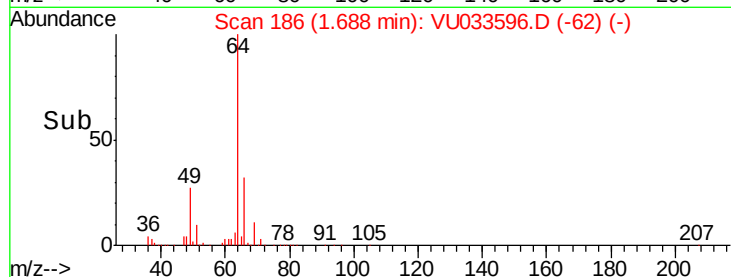
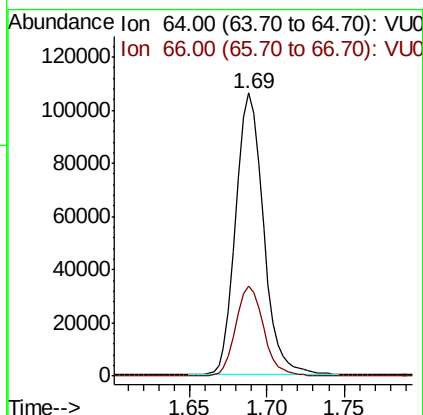
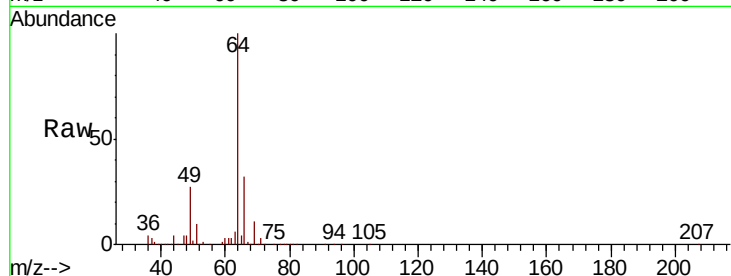




#8
Chloroethane
Concen: 45.413 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

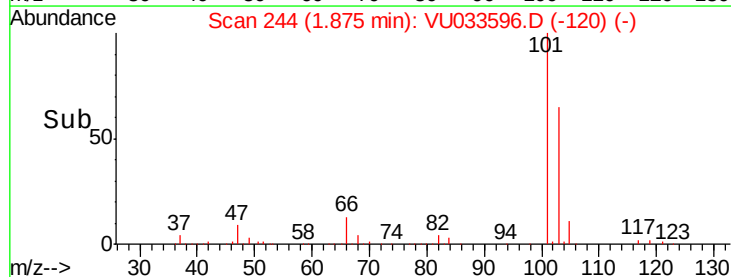
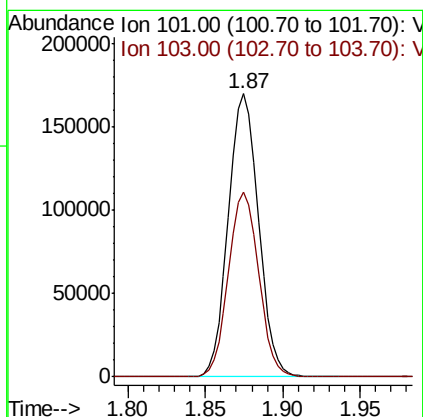
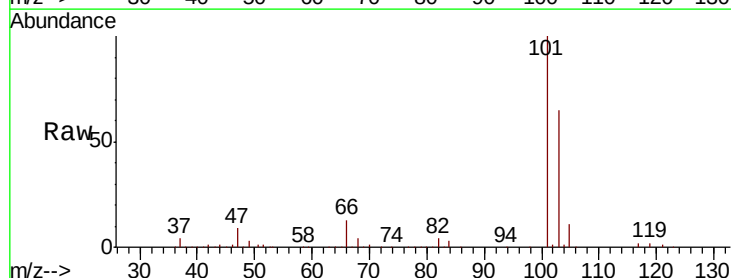
Instrument :
MSVOA_U
ClientSampleId :
VICV35

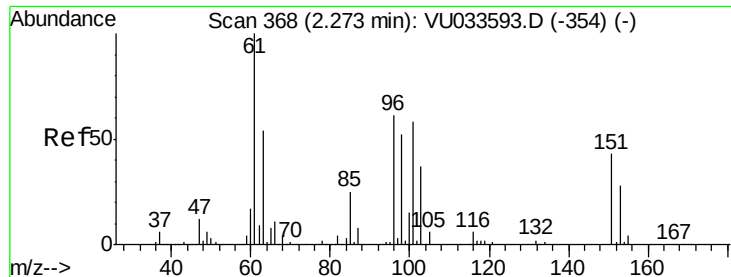
Tgt Ion: 64 Resp: 131301
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 48.021 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Tgt Ion: 101 Resp: 230259
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.4





#10

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

Concen: 50.064 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

VICV35

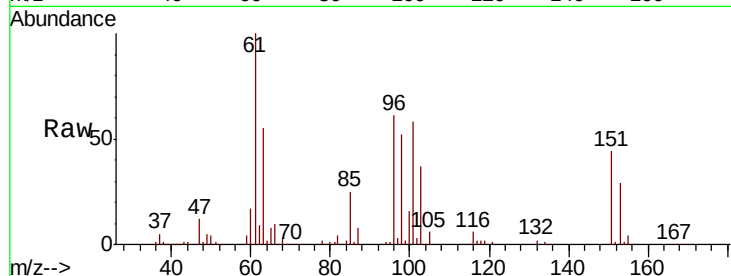
Tgt Ion: 101 Resp: 121923

Ion Ratio Lower Upper

101 100

85 43.9 34.3 51.5

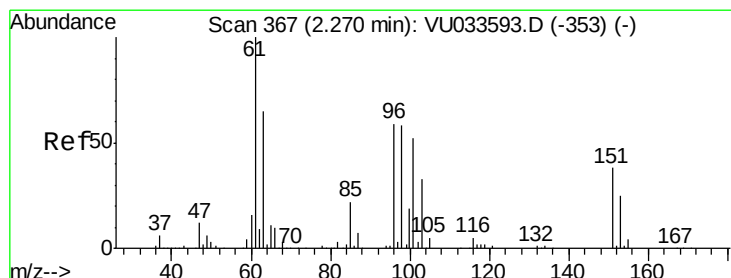
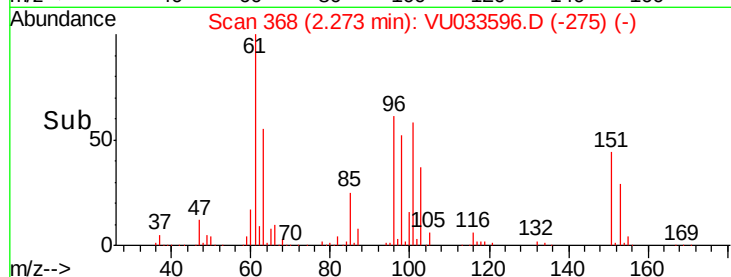
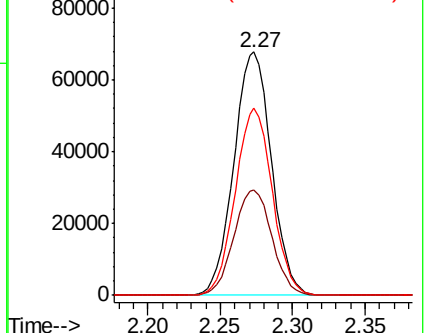
151 75.8 60.2 90.4



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: 49.827 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

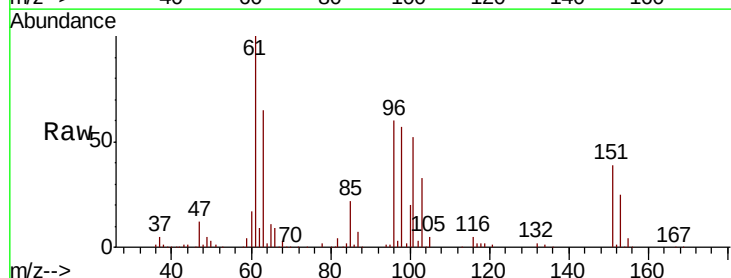
Tgt Ion: 96 Resp: 117997

Ion Ratio Lower Upper

96 100

61 167.0 119.1 221.3

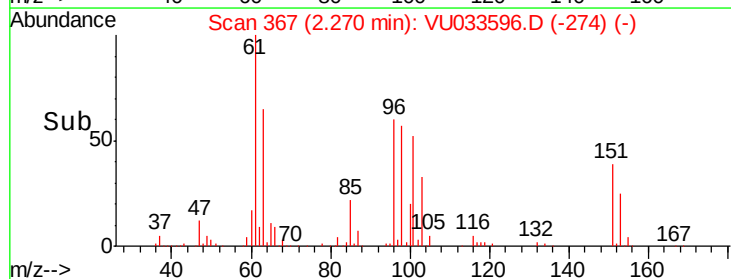
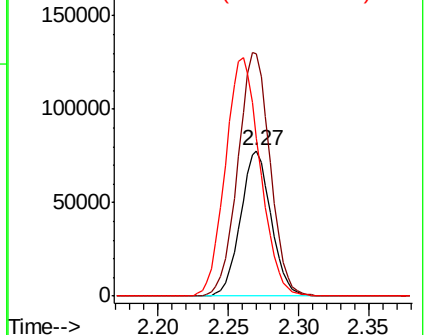
63 108.2 77.9 144.7

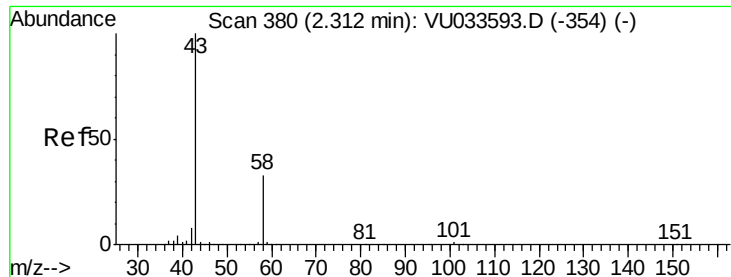


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.313 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

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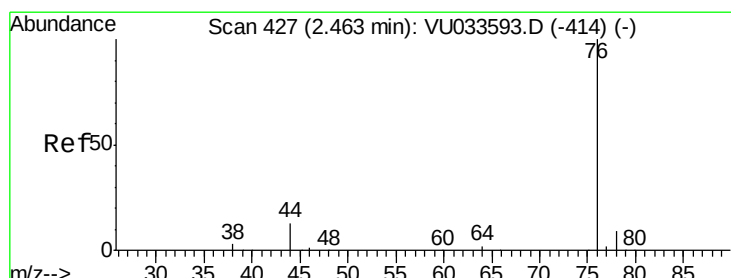
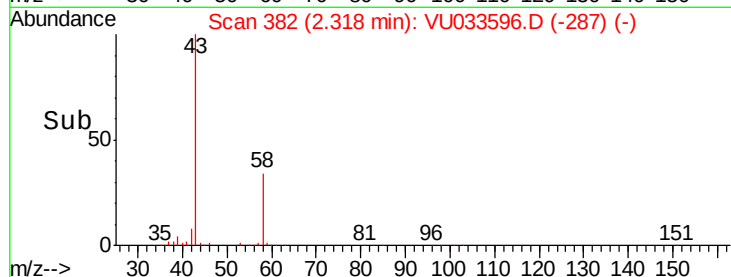
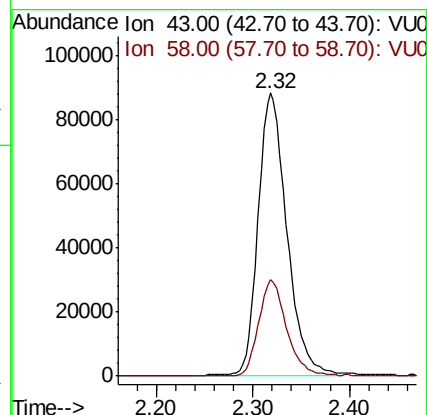
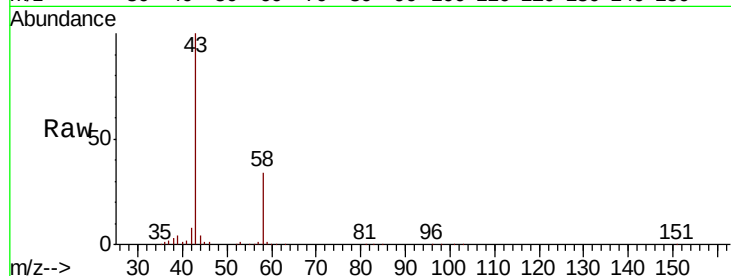
VICV35

Tgt Ion: 43 Resp: 181950

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



#14

Carbon disulfide

Concen: 48.542 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033596.D

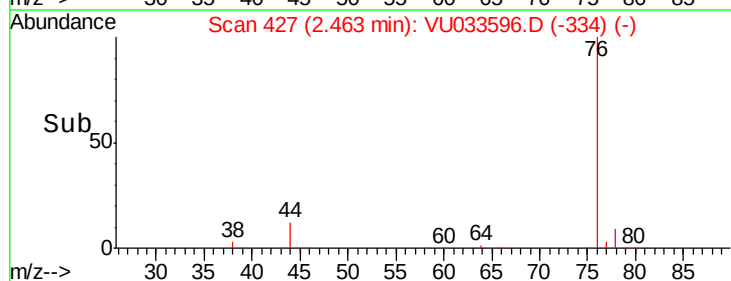
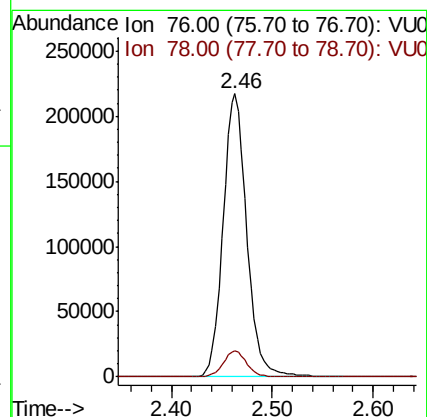
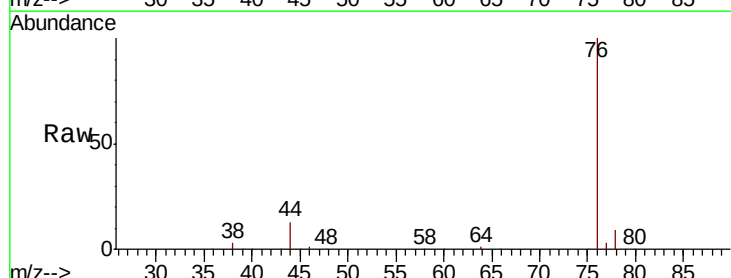
Acq: 05 Aug 2019 13:16

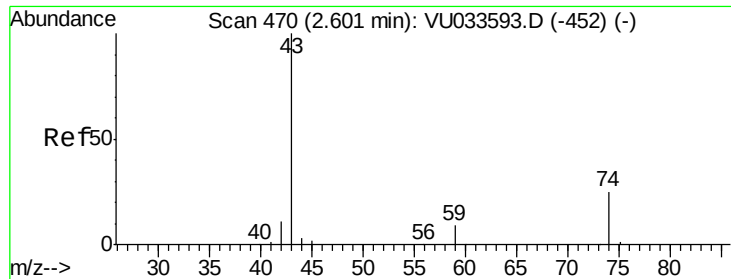
Tgt Ion: 76 Resp: 356330

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

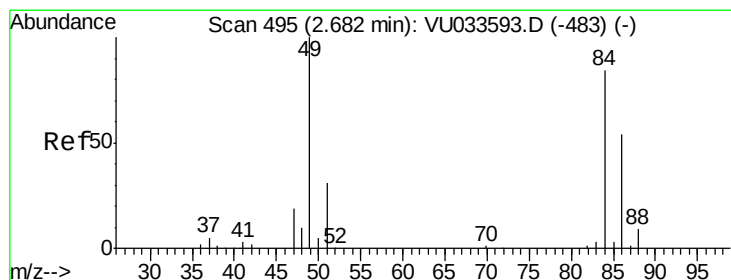
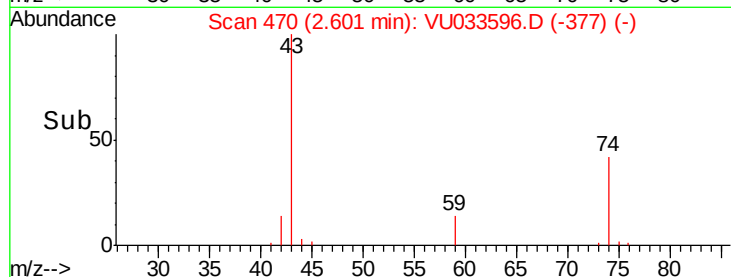
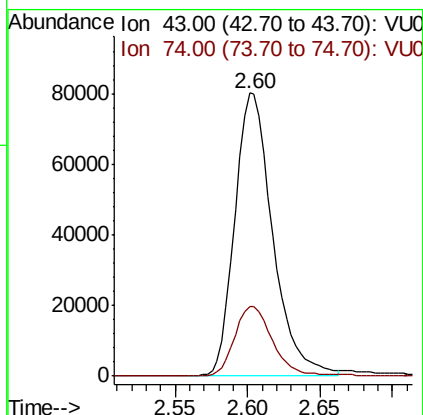
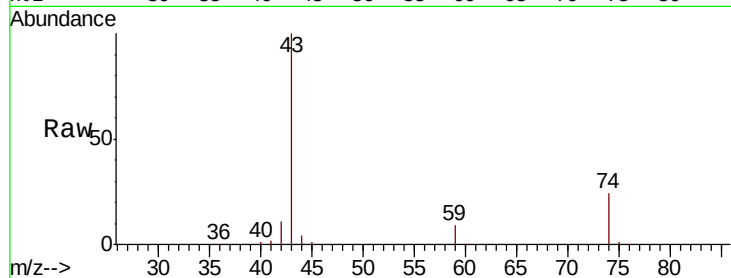




#15
Methyl Acetate
Concen: 47.550 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

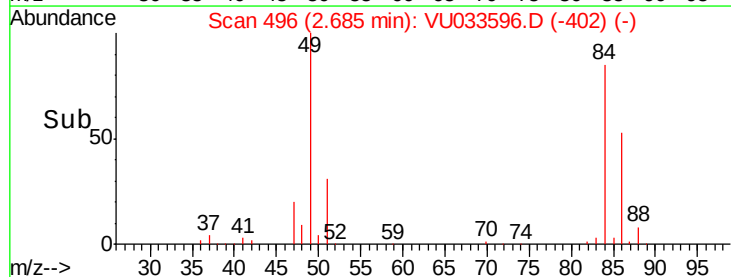
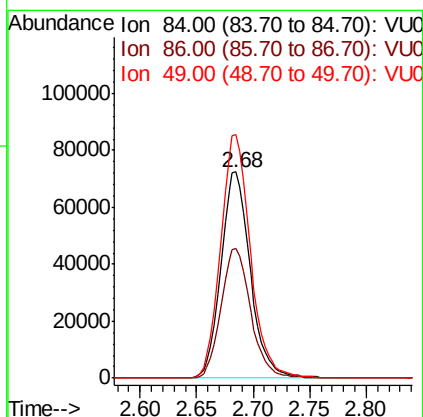
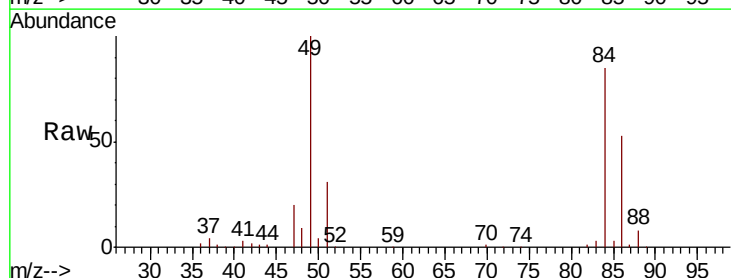
Instrument :
MSVOA_U
ClientSampleId :
VICV35

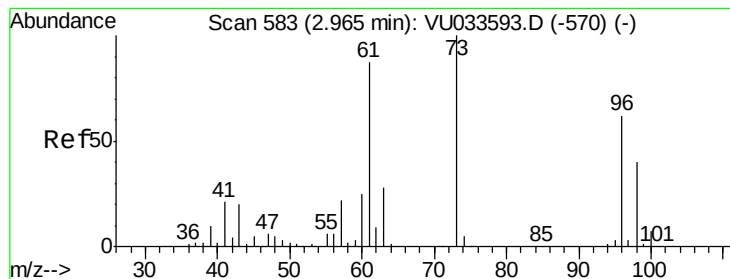
Tgt Ion: 43 Resp: 145167
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.6



#16
Methylene chloride
Concen: 47.364 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Tgt Ion: 84 Resp: 130859
Ion Ratio Lower Upper
84 100
86 63.2 44.9 83.5
49 118.3 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 48.343 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

VICV35

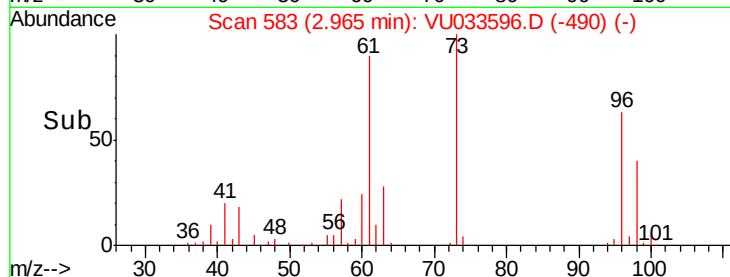
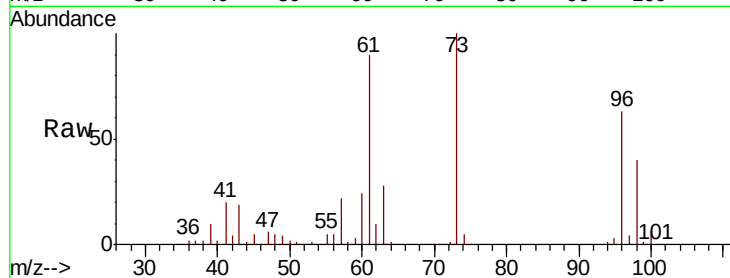
Tgt Ion: 96 Resp: 122137

Ion Ratio Lower Upper

96 100

61 142.1 98.8 183.4

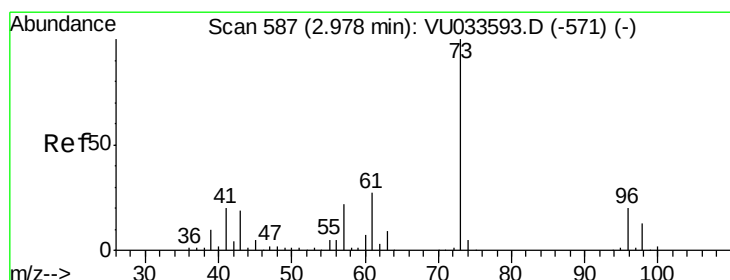
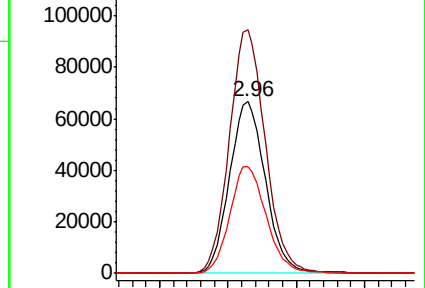
98 62.5 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 49.359 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

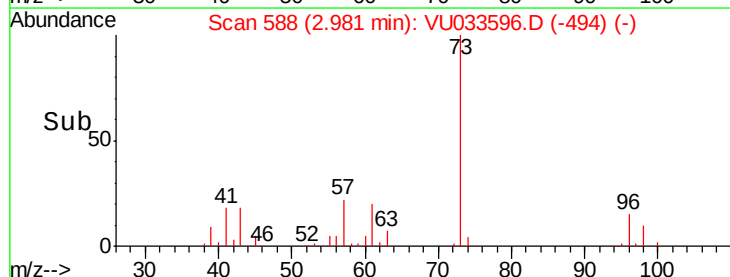
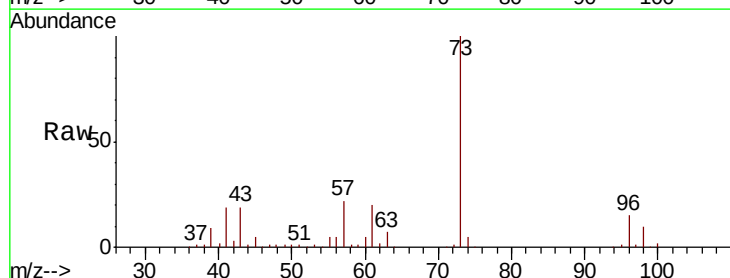
Tgt Ion: 73 Resp: 386185

Ion Ratio Lower Upper

73 100

43 19.0 15.8 23.6

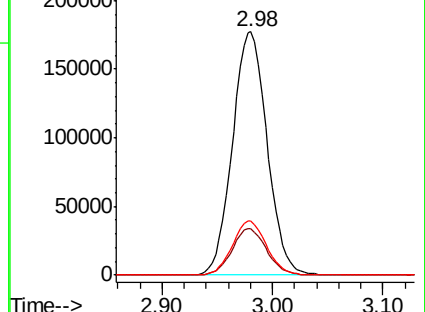
57 21.8 17.5 26.3

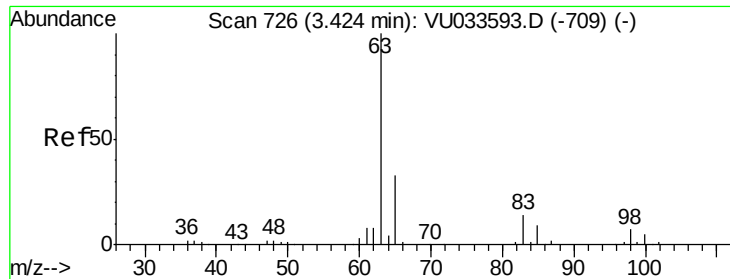


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

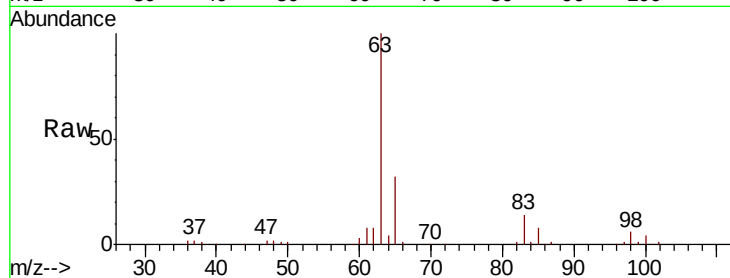




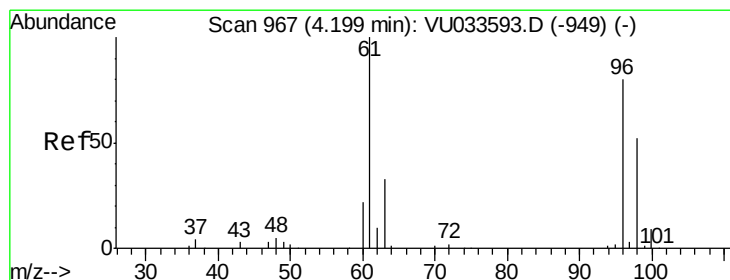
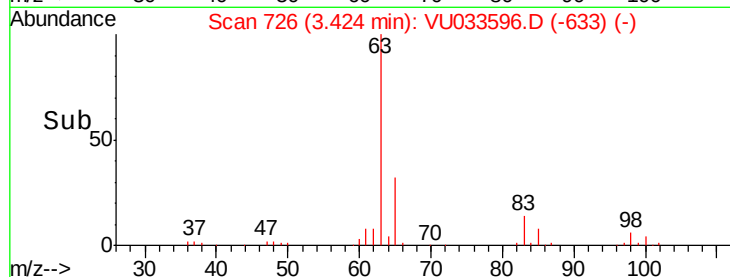
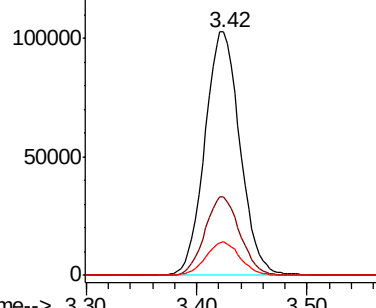
#19
 1,1-Dichloroethane
 Concen: 47.755 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Instrument :
 MSVOA_U
 ClientSampled :
 VICV35

Tgt Ion: 63 Resp: 227098
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.9 42.5
 83 13.6 9.8 18.2

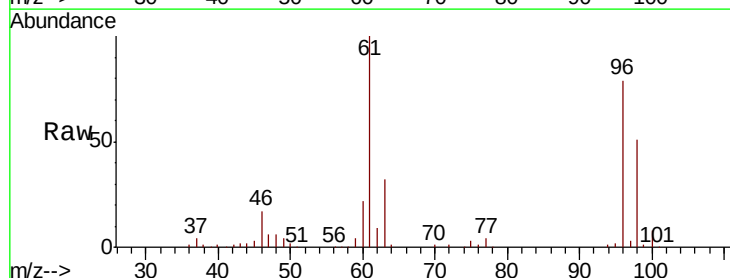


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

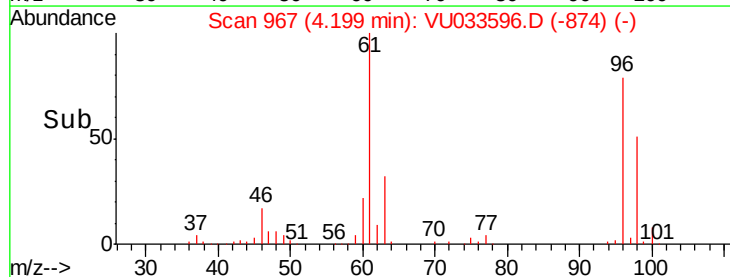
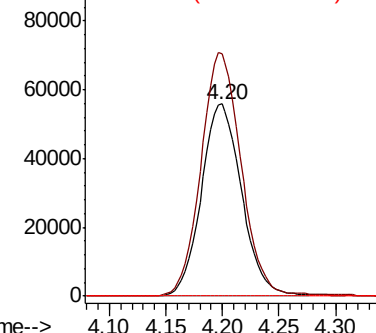


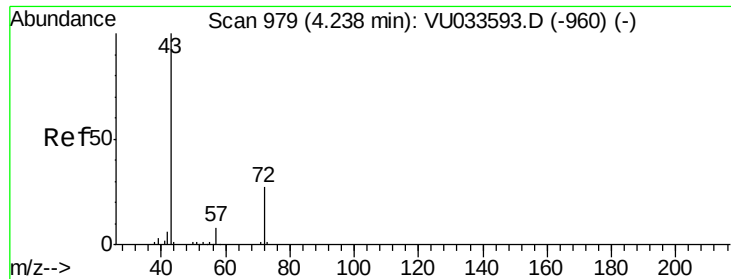
#20
 cis-1,2-Dichloroethene
 Concen: 49.570 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion: 96 Resp: 138136
 Ion Ratio Lower Upper
 96 100
 61 125.9 88.2 163.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 99.030 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

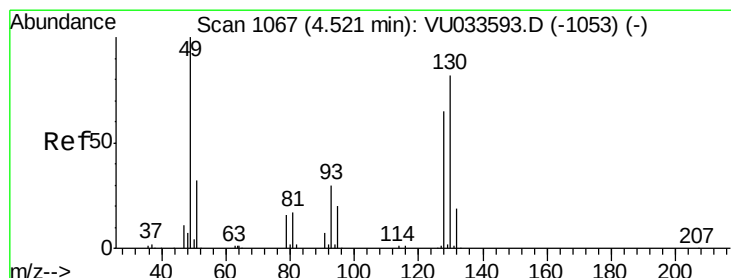
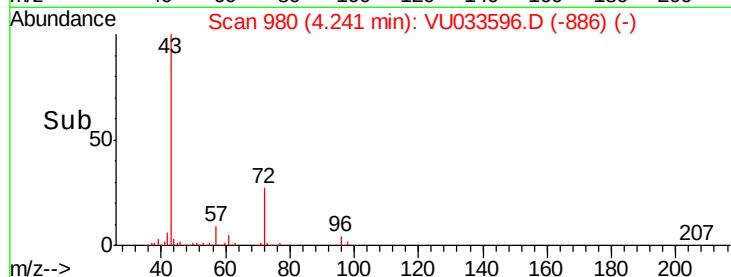
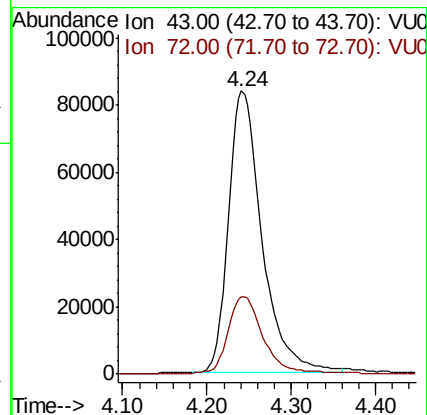
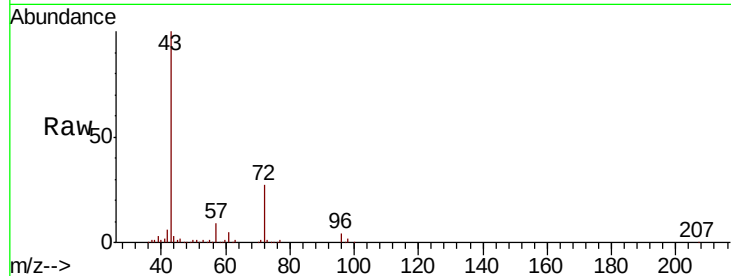
VICV35

Tgt Ion: 43 Resp: 232573

Ion Ratio Lower Upper

43 100

72 28.5 13.8 41.4



#23

Bromochloromethane

Concen: 48.293 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Tgt Ion: 128 Resp: 70374

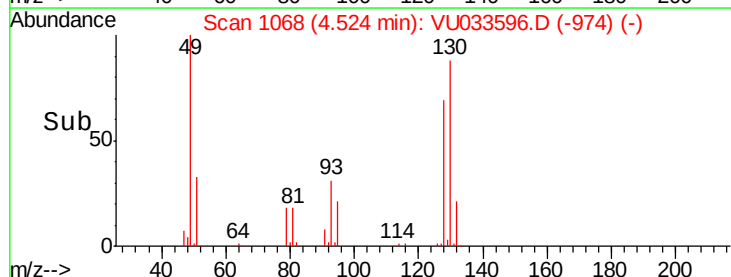
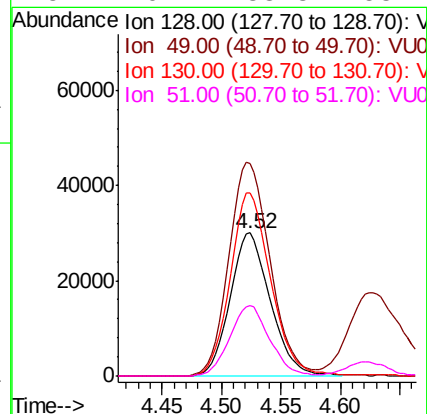
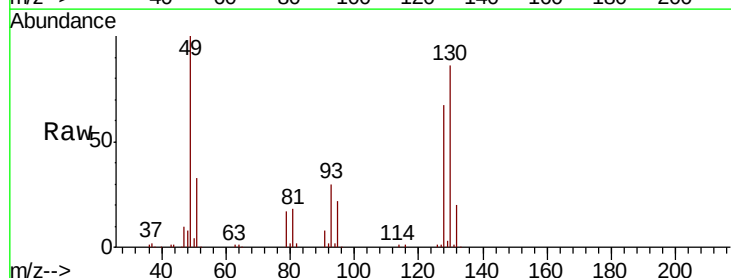
Ion Ratio Lower Upper

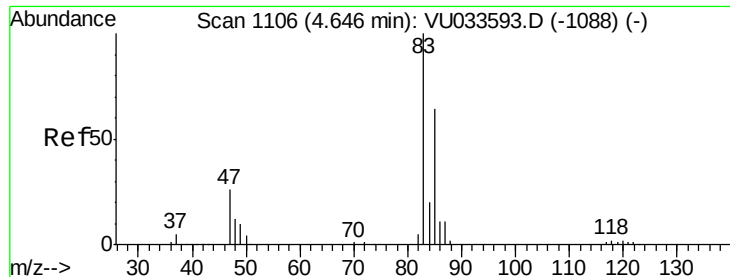
128 100

49 148.5 108.1 200.9

130 127.8 89.0 165.4

51 49.7 38.8 58.2

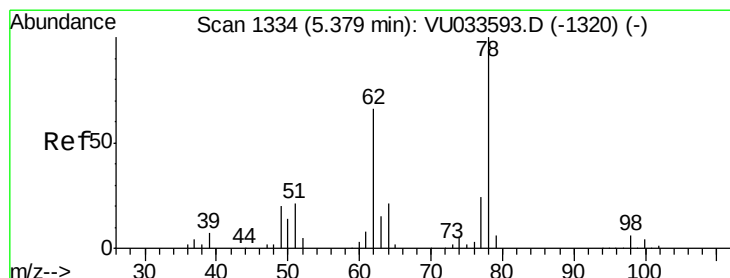
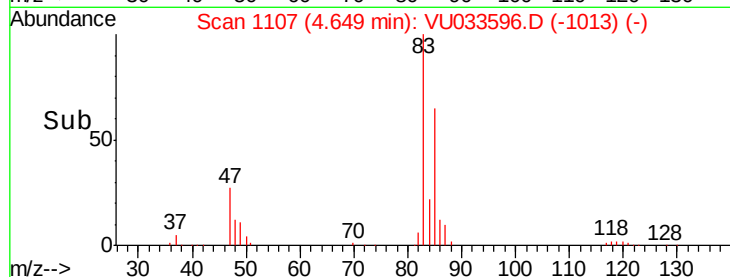
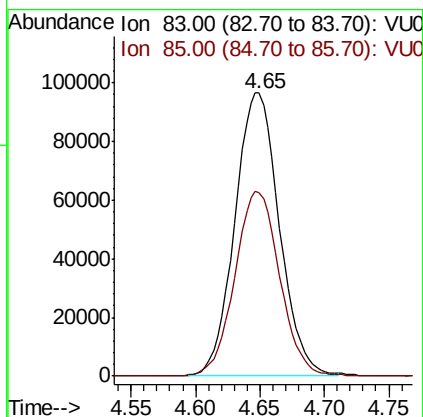
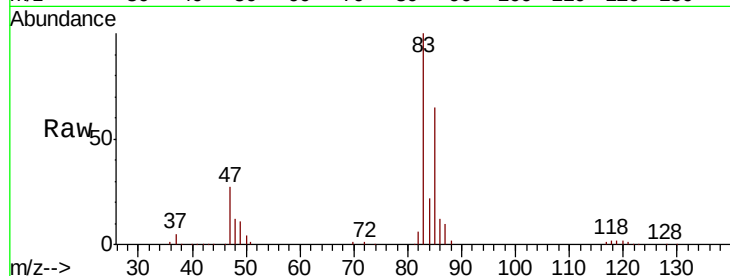




#25
Chloroform
Concen: 47.165 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

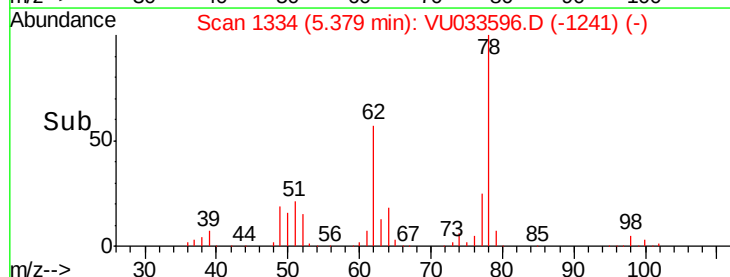
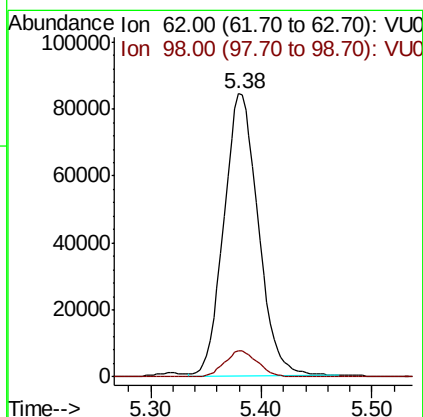
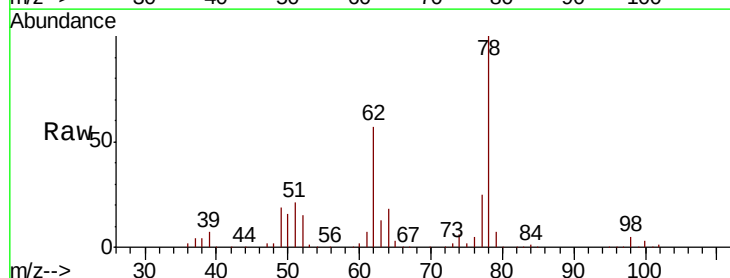
Instrument :
MSVOA_U
ClientSampled :
VICV35

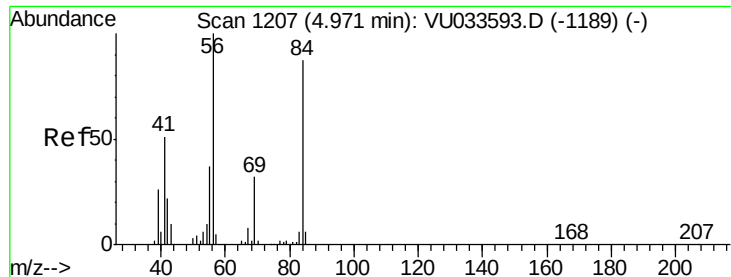
Tgt Ion: 83 Resp: 231751
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.607 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Tgt Ion: 62 Resp: 182758
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

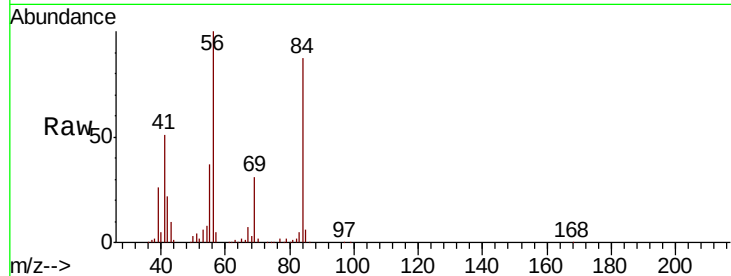




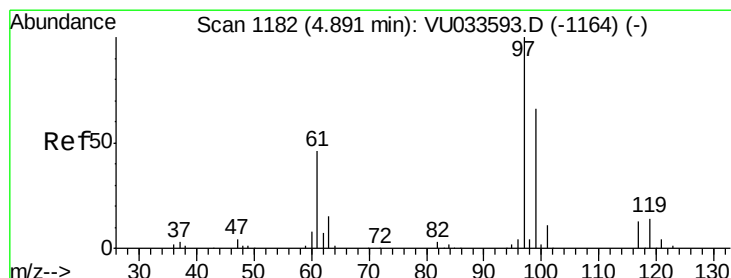
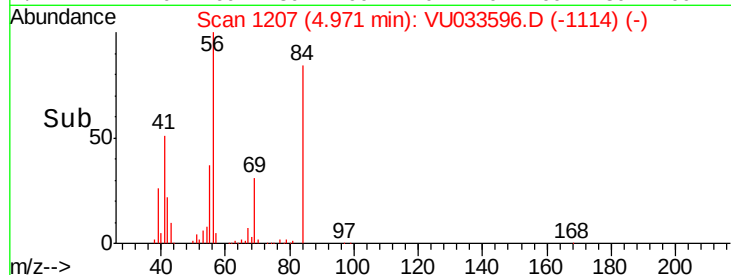
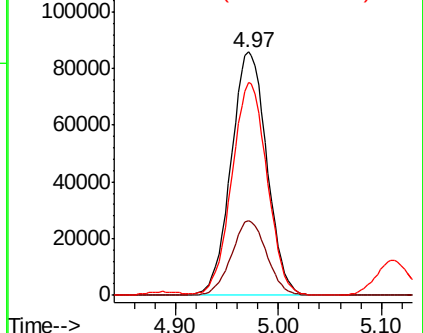
#29
Cyclohexane
Concen: 52.168 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Tgt Ion: 56 Resp: 207181
Ion Ratio Lower Upper
56 100
69 30.1 24.7 37.1
84 86.2 69.8 104.8

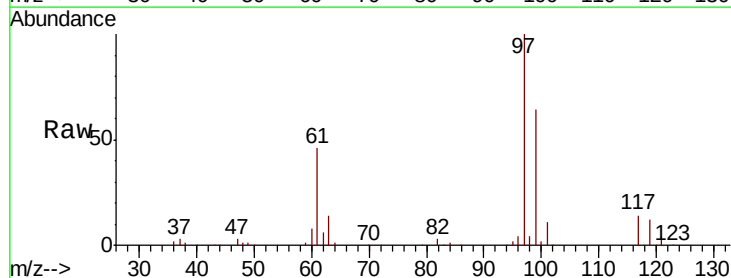


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

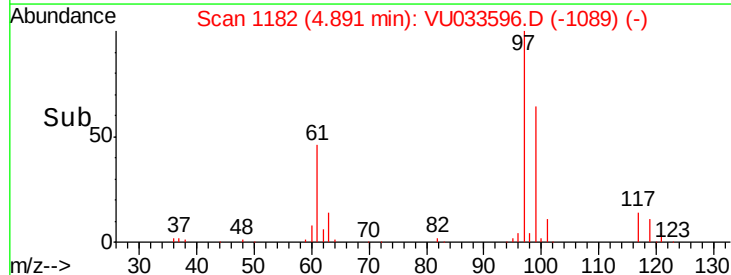
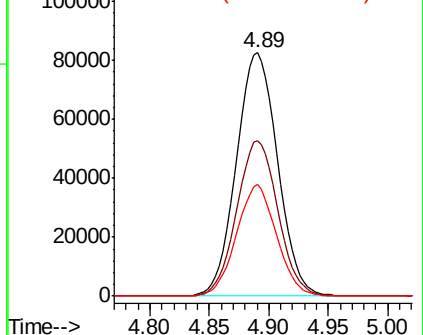


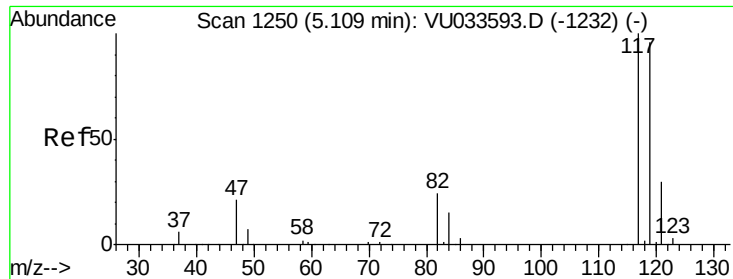
#30
1,1,1-Trichloroethane
Concen: 48.683 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Tgt Ion: 97 Resp: 198583
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 44.4 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 49.143 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

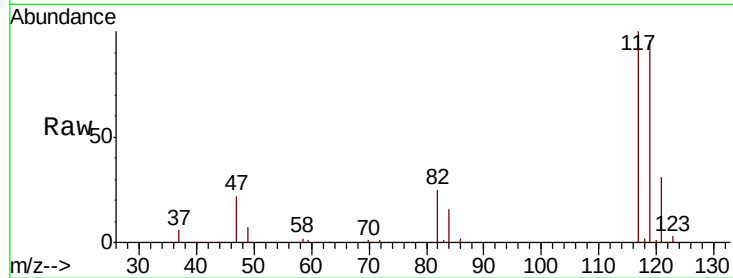
VICV35

Tgt Ion:117 Resp: 175963

Ion Ratio Lower Upper

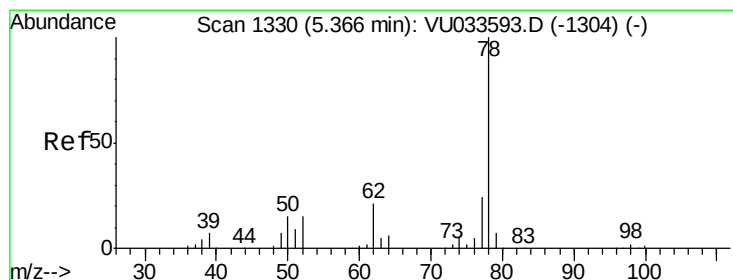
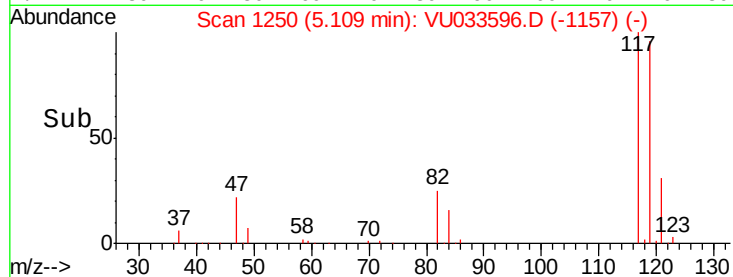
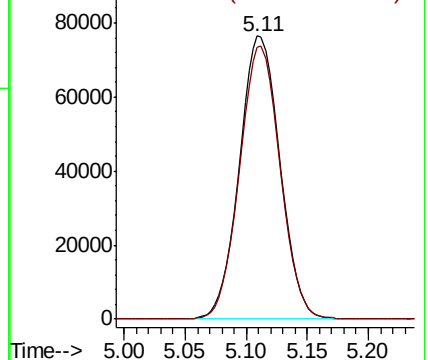
117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.071 ug/L

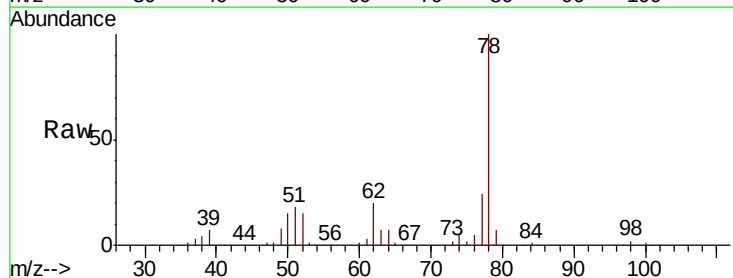
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

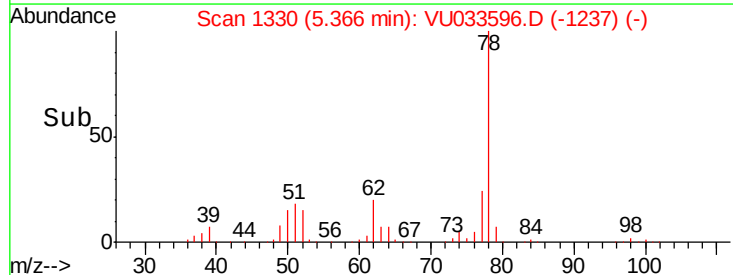
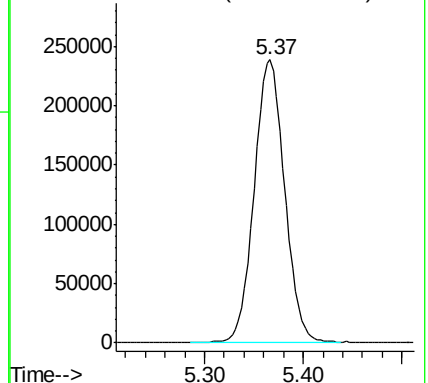
Lab File: VU033596.D

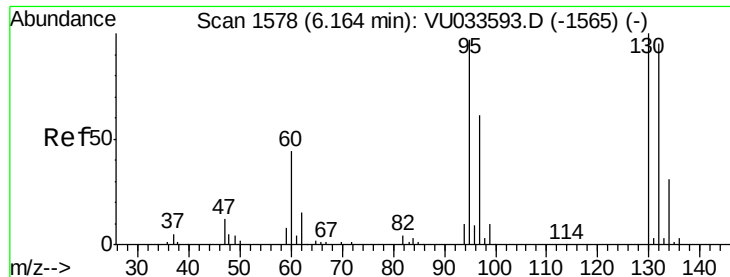
Acq: 05 Aug 2019 13:16

Tgt Ion: 78 Resp: 509388



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.564 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

VICV35

Tgt Ion: 95 Resp: 132520

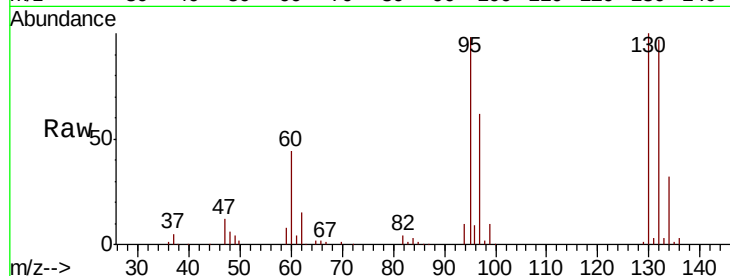
Ion Ratio Lower Upper

95 100

97 63.8 43.8 81.4

132 99.2 68.6 127.4

130 102.3 72.2 134.2

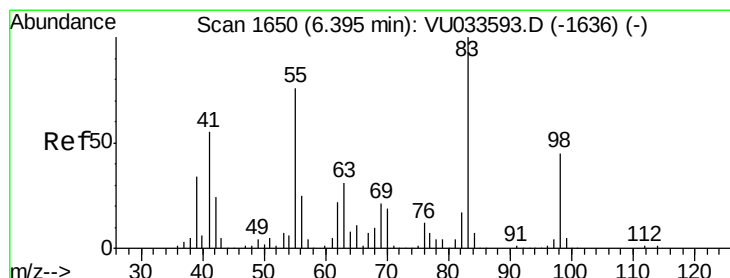
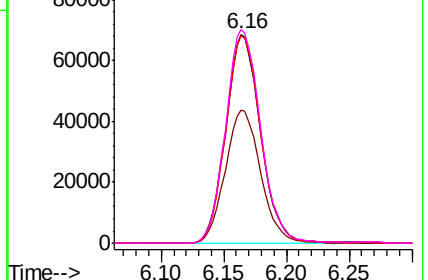
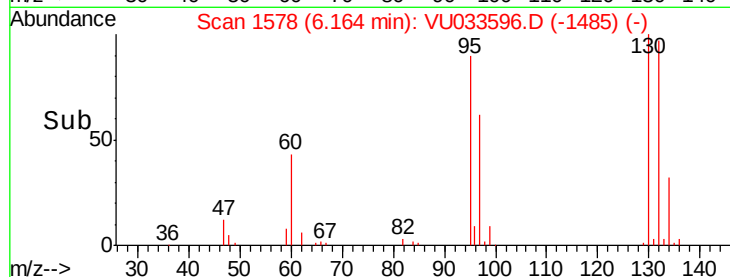


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.763 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

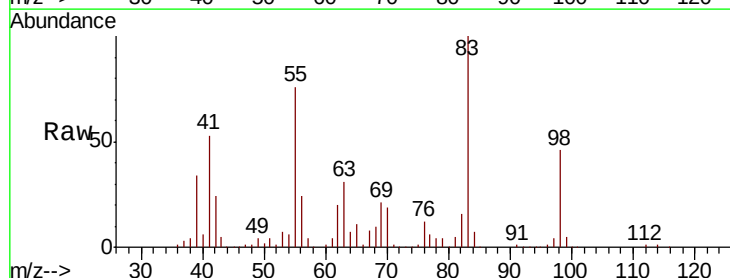
Tgt Ion: 83 Resp: 222081

Ion Ratio Lower Upper

83 100

55 74.7 60.1 90.1

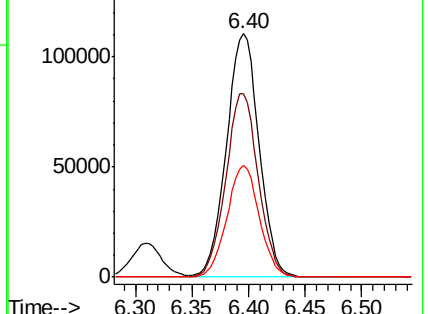
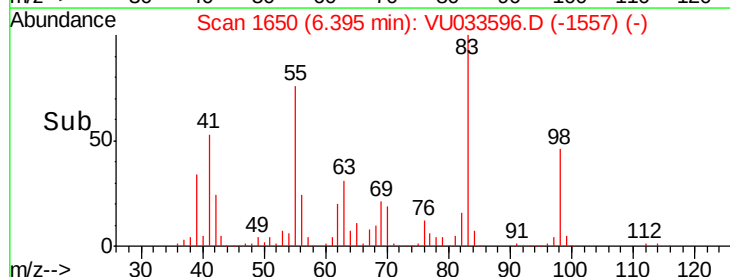
98 45.3 36.8 55.2

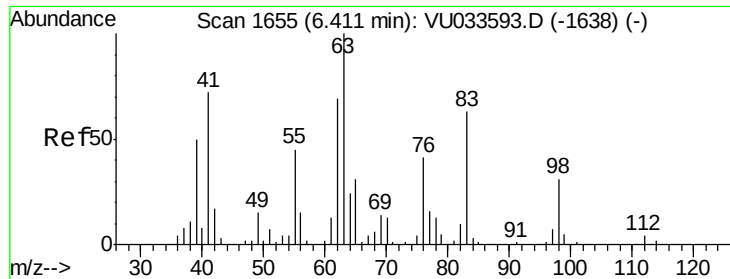


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

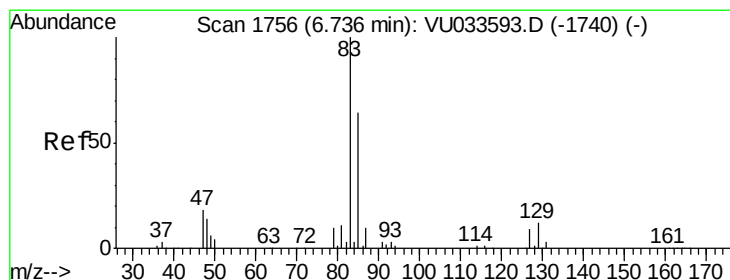
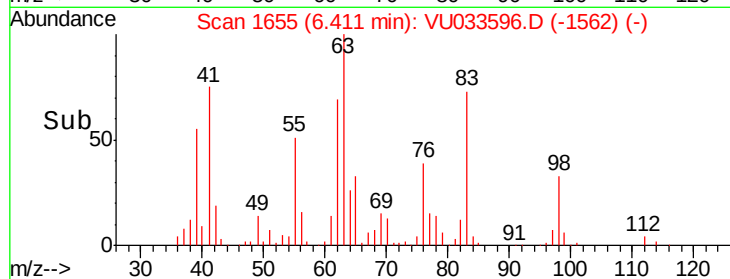
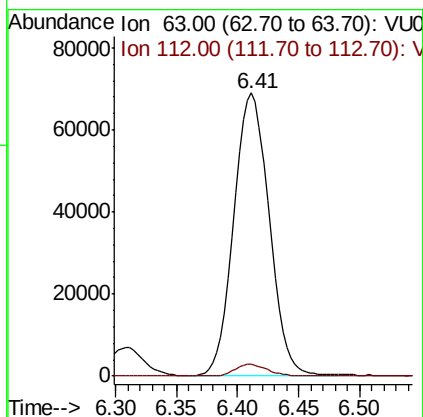
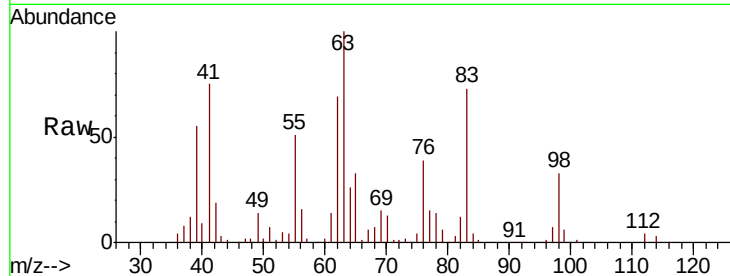




#37
 1,2-Dichloropropane
 Concen: 48.753 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

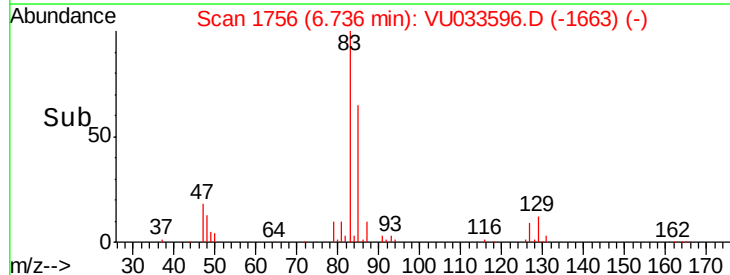
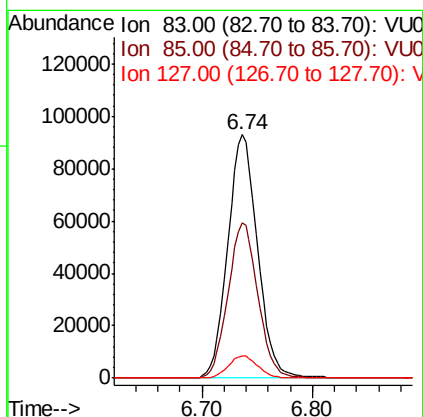
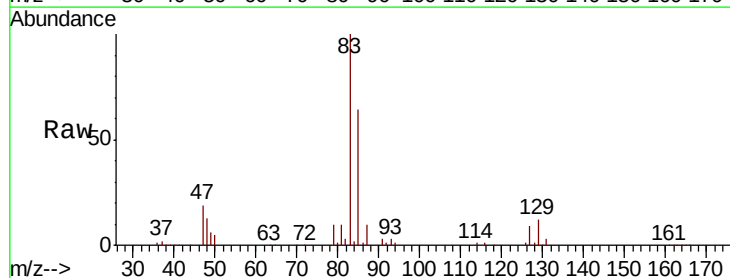
Instrument :
 MSVOA_U
 ClientSampled :
 VICV35

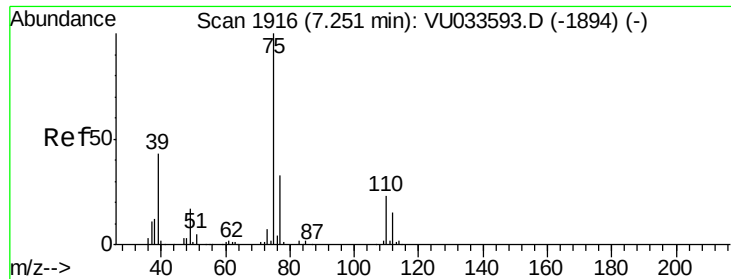
Tgt Ion: 63 Resp: 138220
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 48.833 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion: 83 Resp: 174505
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.5
 127 9.0 7.0 10.4

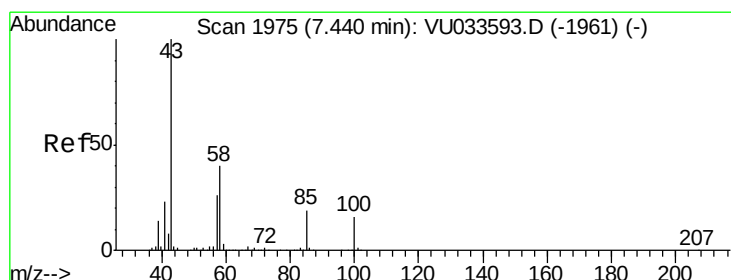
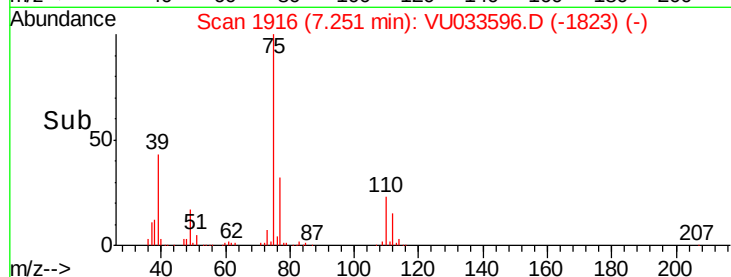
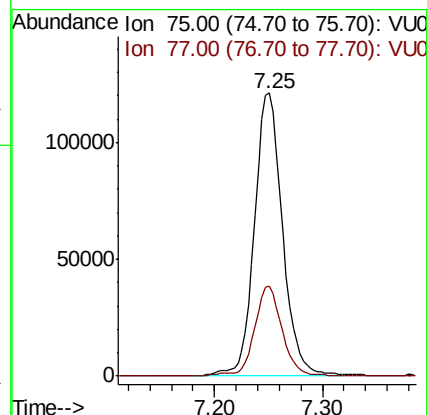
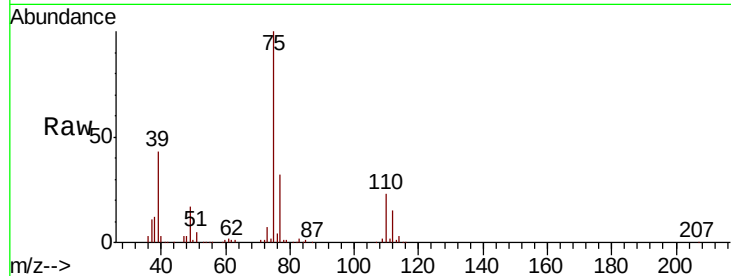




#39
 cis-1,3-Dichloropropene
 Concen: 51.020 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

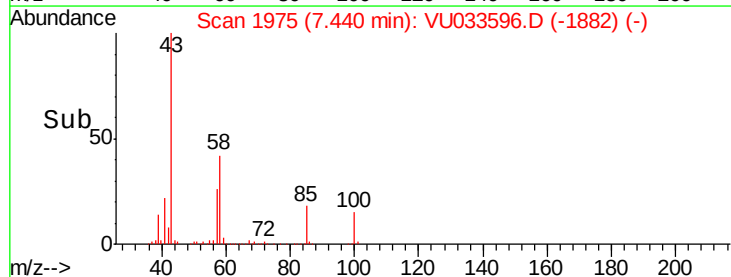
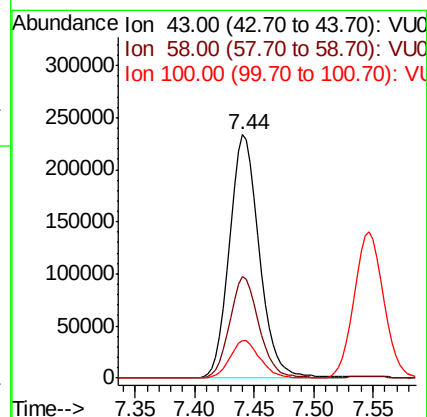
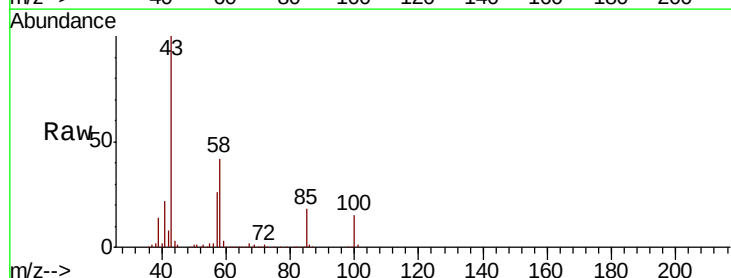
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

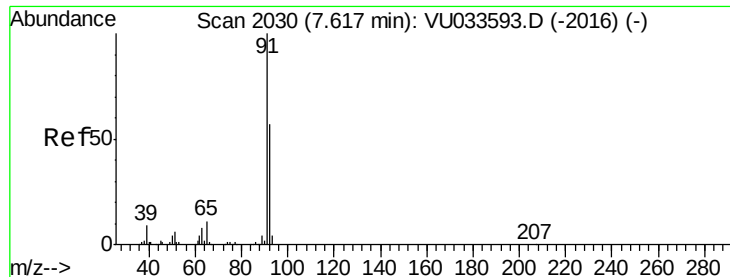
Tgt Ion: 75 Resp: 219967
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 100.255 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion: 43 Resp: 406748
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.5 48.7
 100 15.5 12.6 18.8





#42

Toluene

Concen: 50.909 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

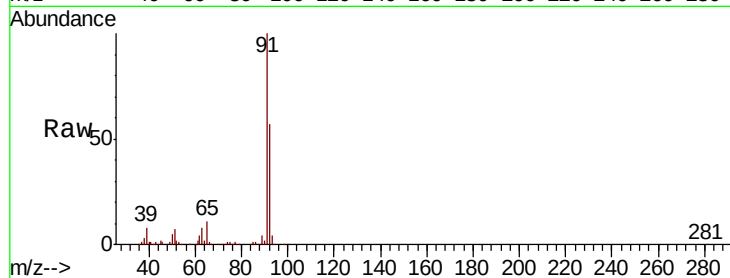
VICV35

Tgt Ion: 91 Resp: 564599

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU033596.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033596.D (-2016) (-)

7.62

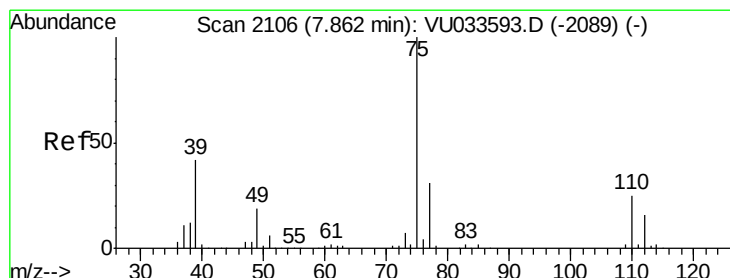
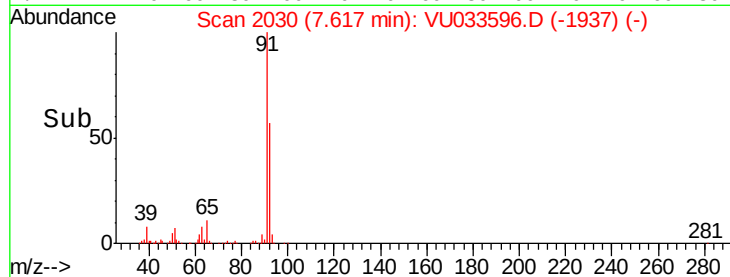
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.860 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033596.D

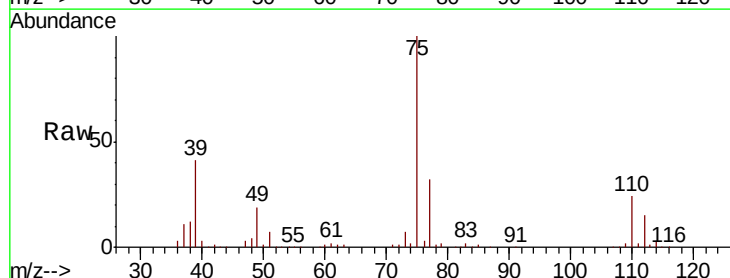
Acq: 05 Aug 2019 13:16

Tgt Ion: 75 Resp: 197311

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU033596.D (-2016) (-)

Ion 77.00 (76.70 to 77.70): VU033596.D (-2016) (-)

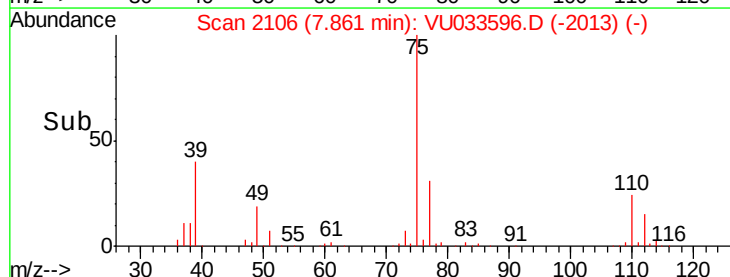
7.86

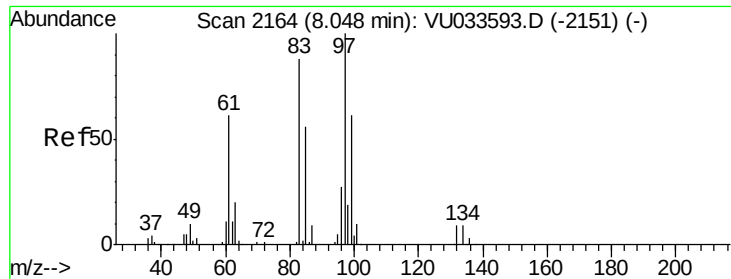
100000

50000

0

Time-->

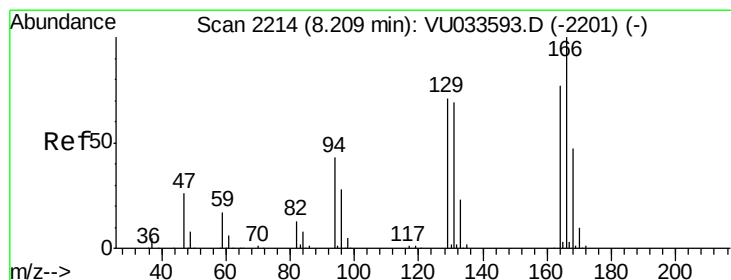
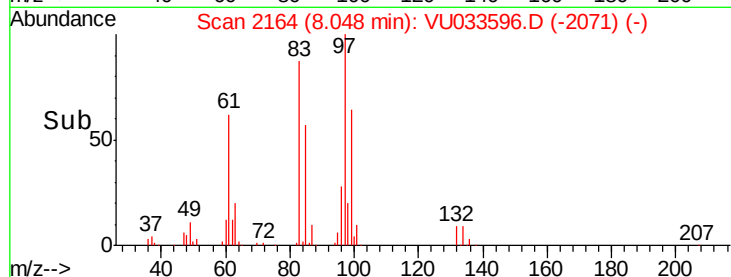
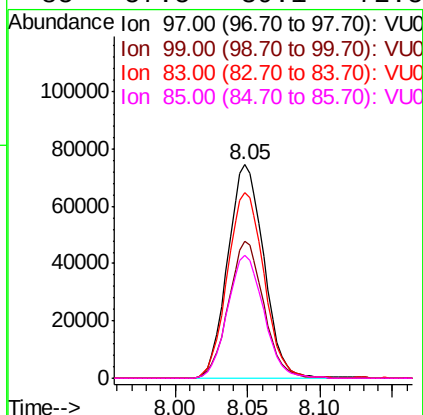
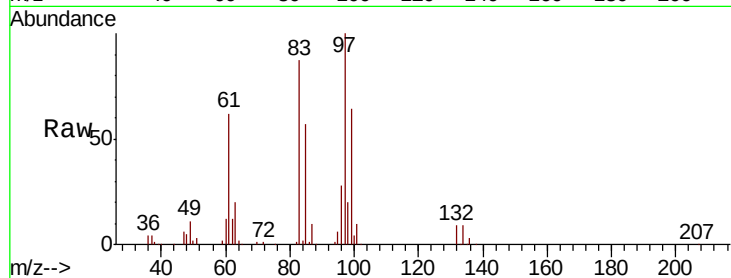




#45
 1,1,2-Trichloroethane
 Concen: 48.523 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

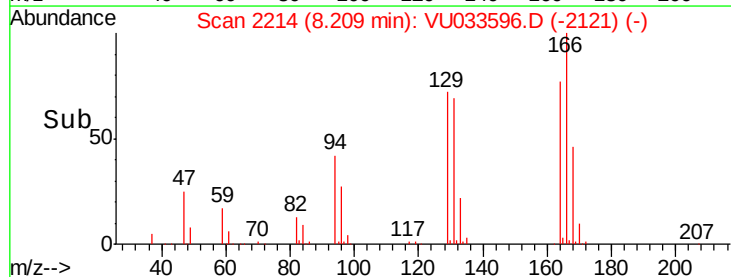
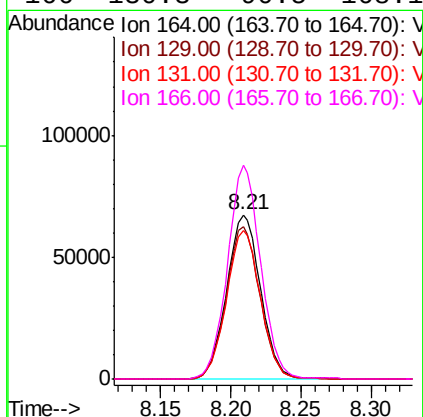
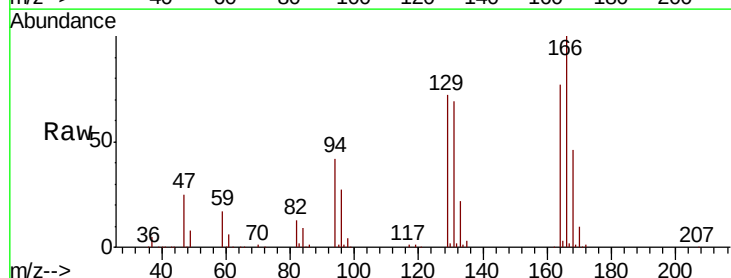
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

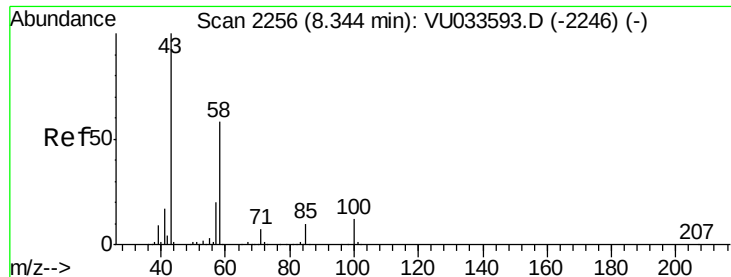
Tgt Ion:	97	Resp:	128717
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.8	79.6
83	87.0	61.3	113.9
85	57.5	39.1	72.5



#46
 Tetrachloroethene
 Concen: 51.634 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion:	164	Resp:	113267
Ion	Ratio	Lower	Upper
164	100		
129	93.3	64.1	119.1
131	90.5	62.9	116.7
166	130.3	90.5	168.1

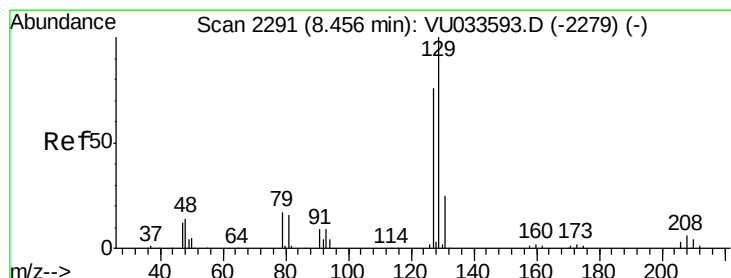
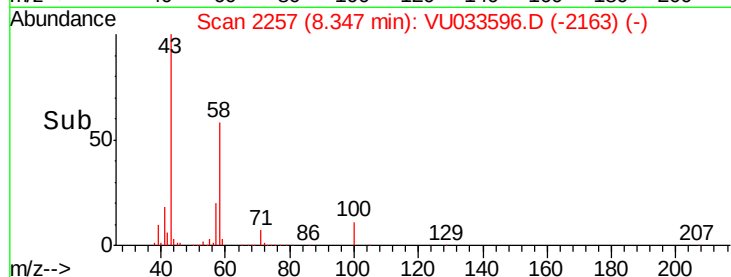
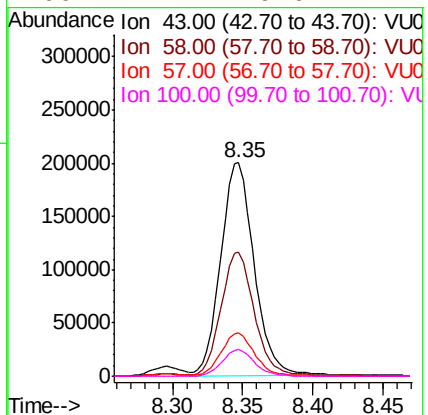
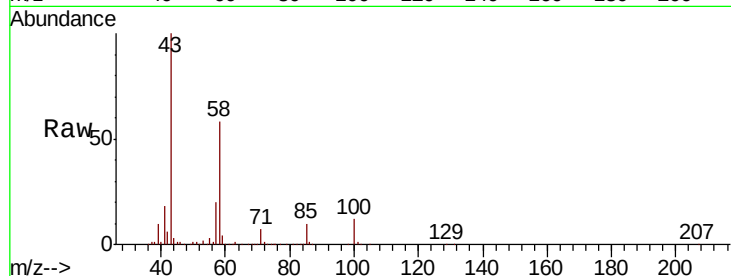




#48
2-Hexanone
Concen: 101.691 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

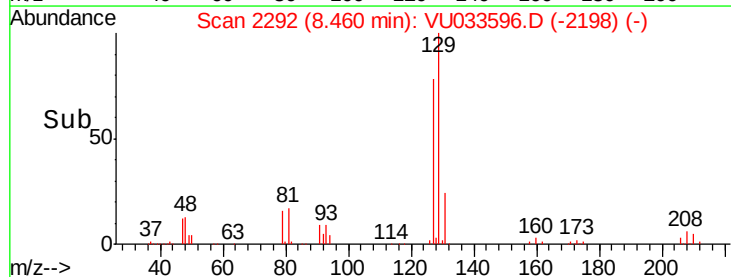
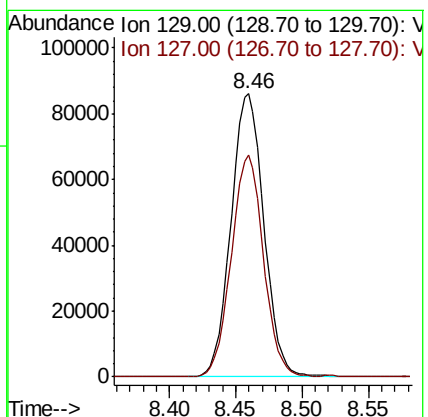
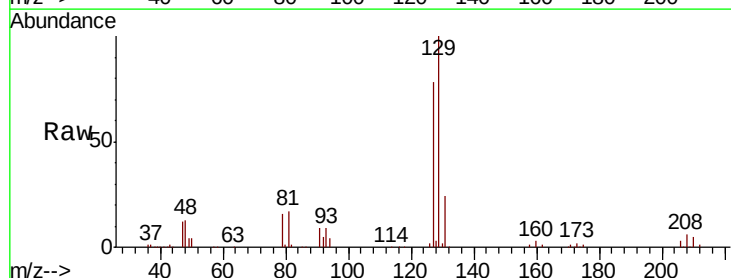
Instrument :
MSVOA_U
ClientSampleId :
VICV35

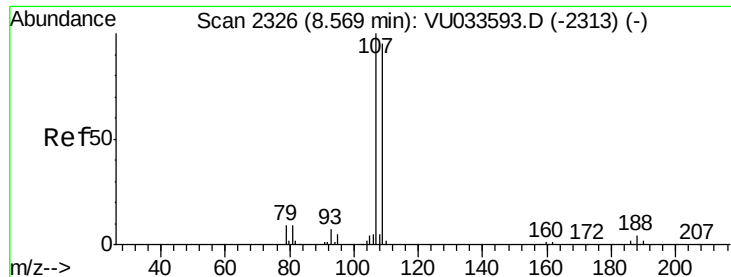
Tgt Ion: 43 Resp: 329474
Ion Ratio Lower Upper
43 100
58 57.5 45.2 67.8
57 20.3 15.4 23.2
100 12.4 9.6 14.4



#49
Dibromochloromethane
Concen: 49.674 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033596.D
Acq: 05 Aug 2019 13:16

Tgt Ion: 129 Resp: 148093
Ion Ratio Lower Upper
129 100
127 78.3 53.4 99.2





#50

1,2-Dibromoethane

Concen: 49.405 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampled :

VICV35

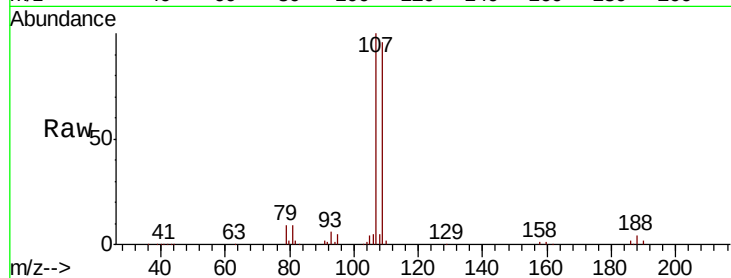
Tgt Ion:107 Resp: 143542

Ion Ratio Lower Upper

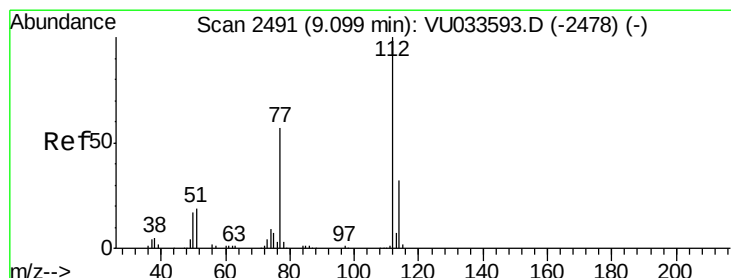
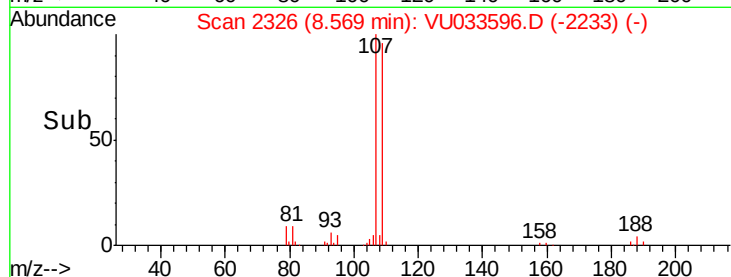
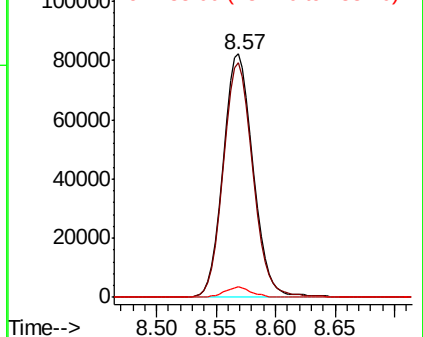
107 100

109 96.2 66.5 123.5

188 4.1 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.175 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

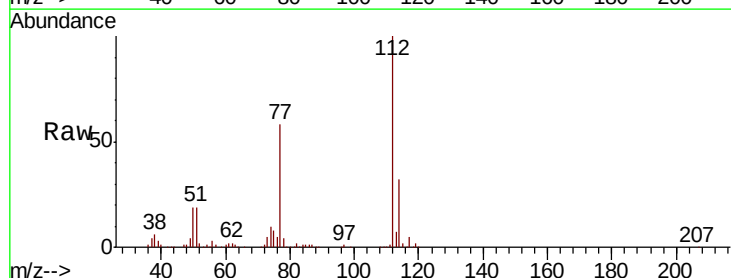
Tgt Ion:112 Resp: 363354

Ion Ratio Lower Upper

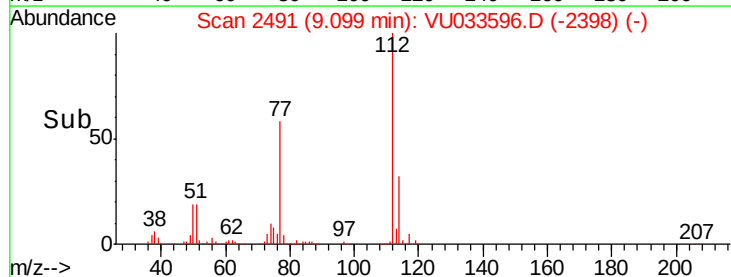
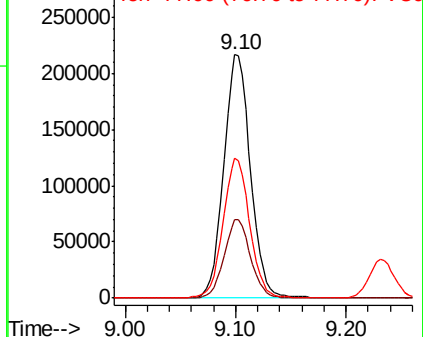
112 100

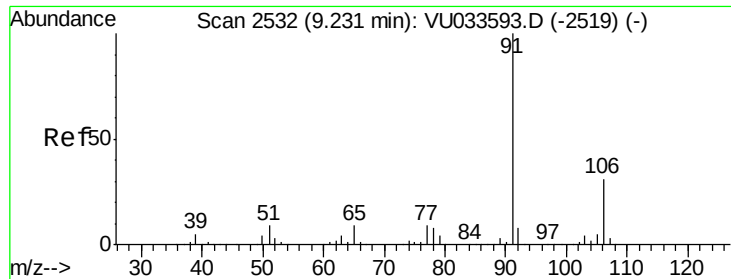
114 32.0 22.5 41.9

77 57.5 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.276 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

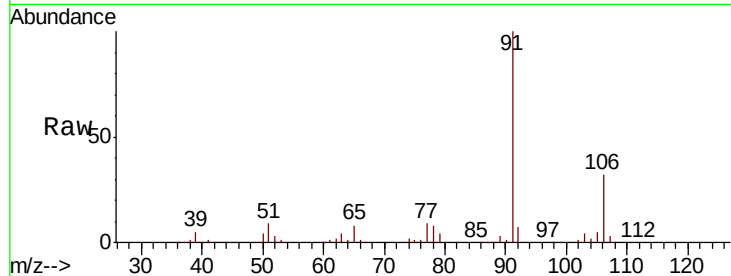
VICV35

Tgt Ion: 91 Resp: 616550

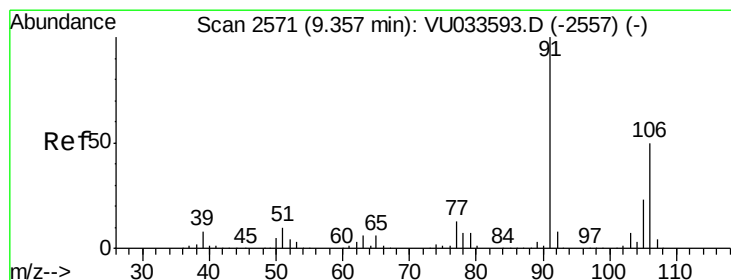
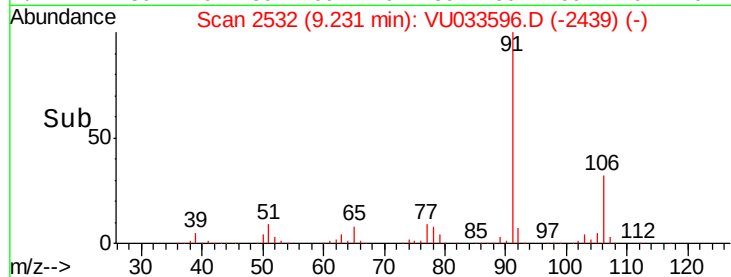
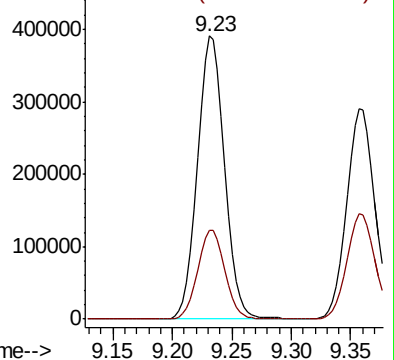
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VU033596.D (-2439) (-)



#53

m,p-Xylene

Concen: 52.313 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033596.D

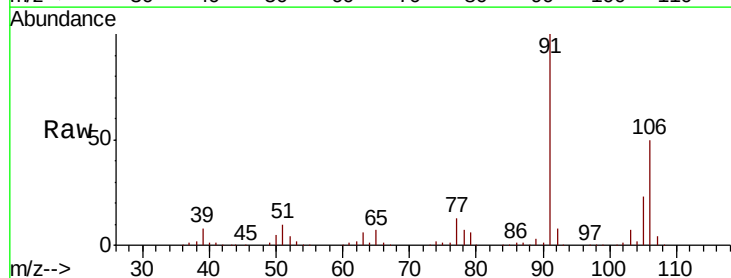
Acq: 05 Aug 2019 13:16

Tgt Ion: 106 Resp: 239549

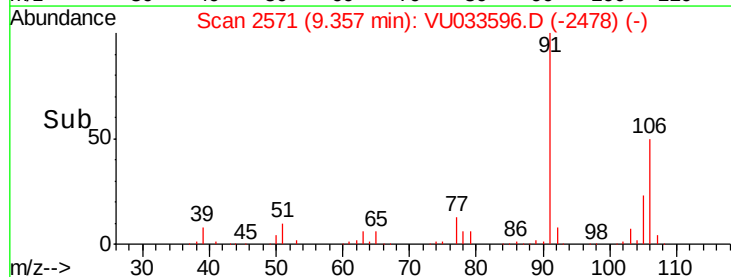
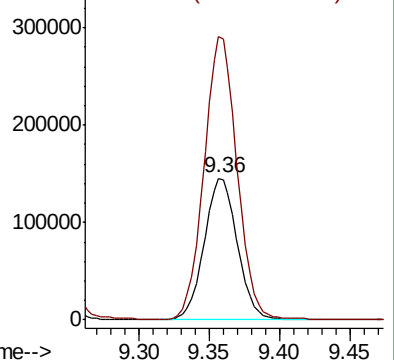
Ion Ratio Lower Upper

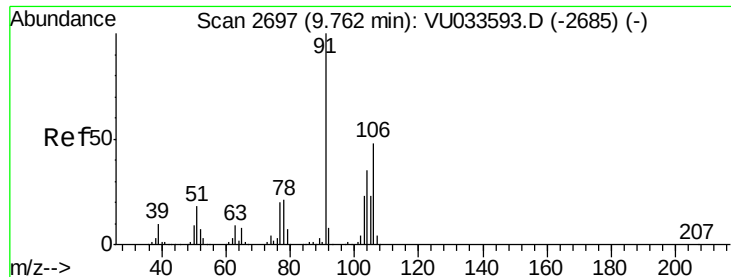
106 100

91 200.2 141.3 262.5



Abundance Ion 106.00 (105.70 to 106.70): VU033596.D (-2478) (-)





#54

o-xylene

Concen: 51.949 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

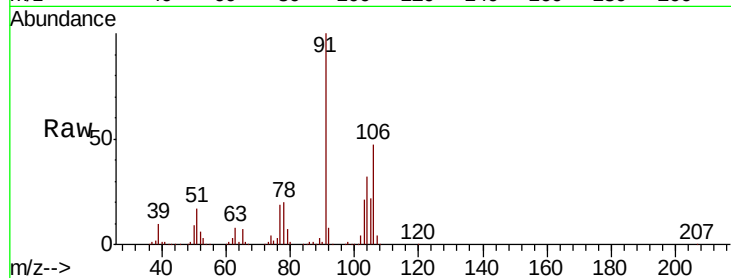
VICV35

Tgt Ion:106 Resp: 233011

Ion Ratio Lower Upper

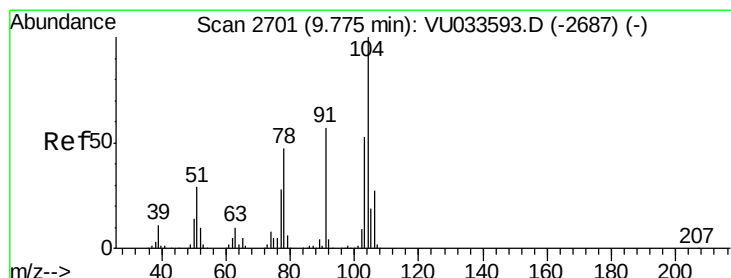
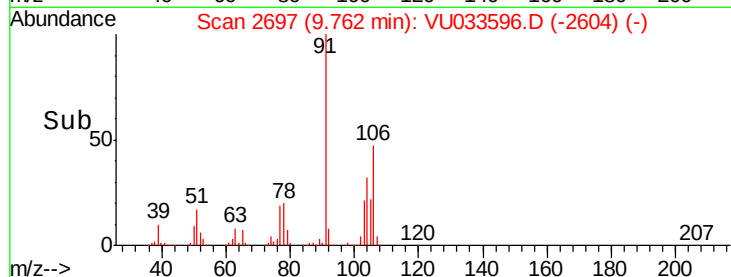
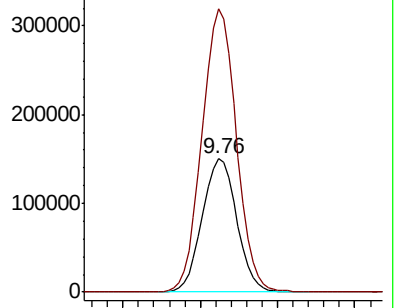
106 100

91 212.6 146.6 272.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.169 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033596.D

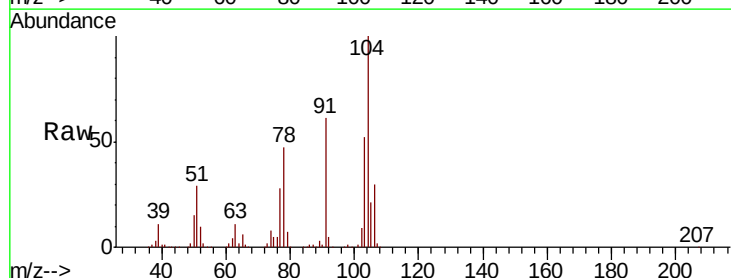
Acq: 05 Aug 2019 13:16

Tgt Ion:104 Resp: 397333

Ion Ratio Lower Upper

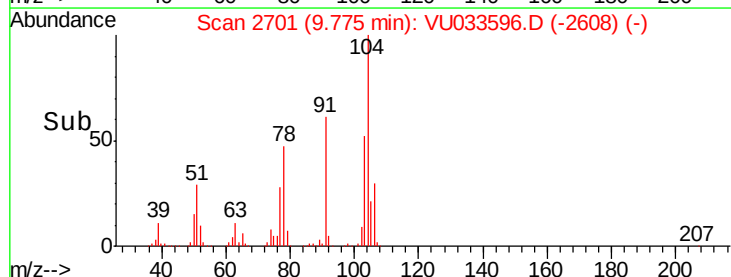
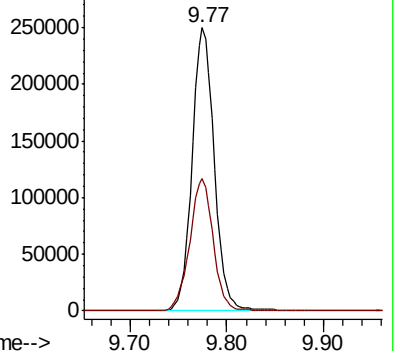
104 100

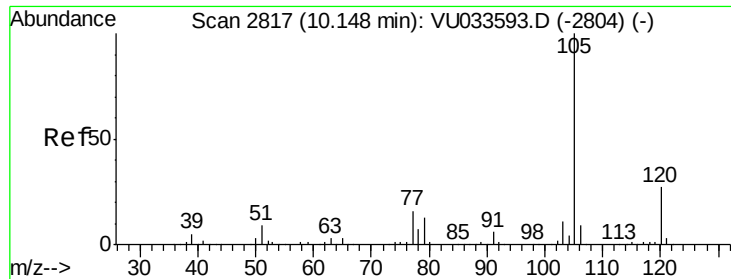
78 46.6 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.683 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

VICV35

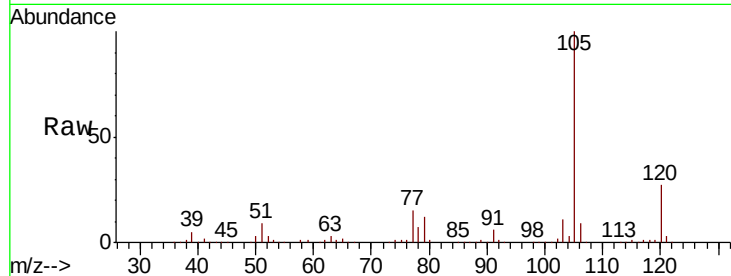
Tgt Ion: 105 Resp: 609615

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

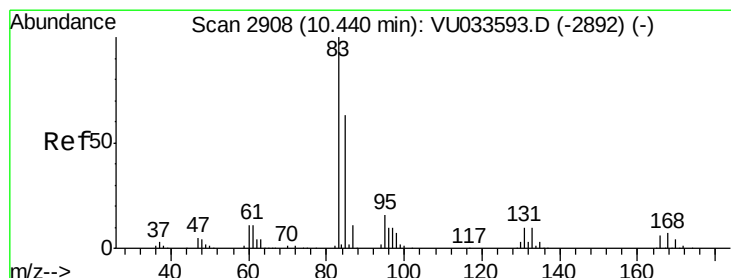
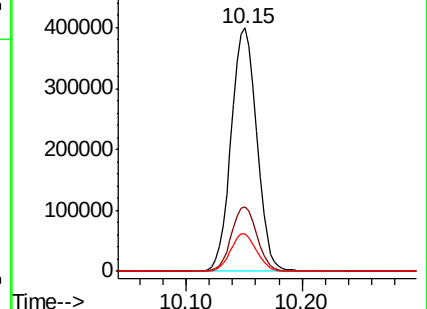
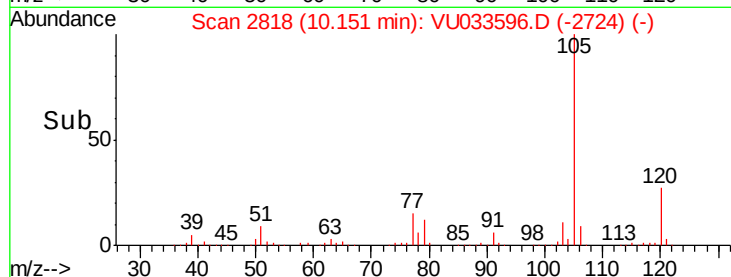
77 15.5 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.690 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

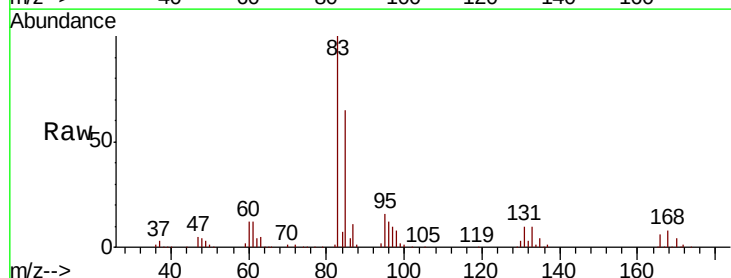
Tgt Ion: 83 Resp: 230952

Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

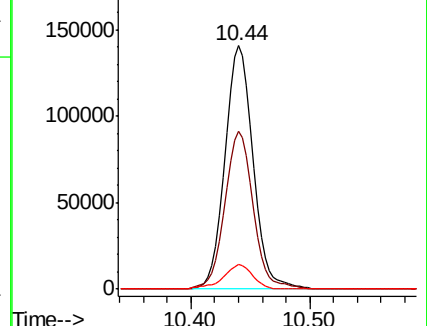
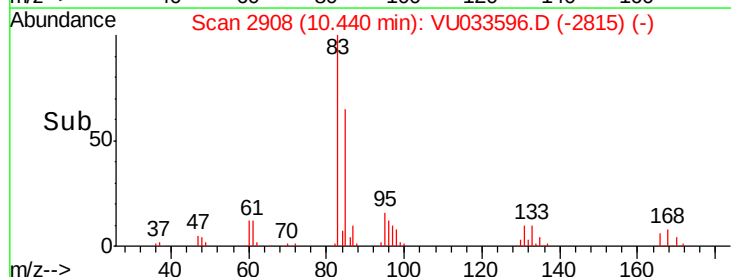
131 10.0 7.8 11.6

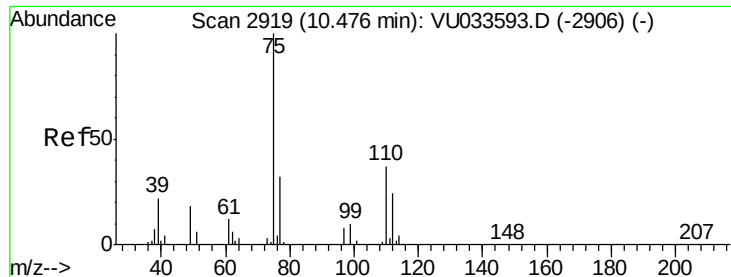


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

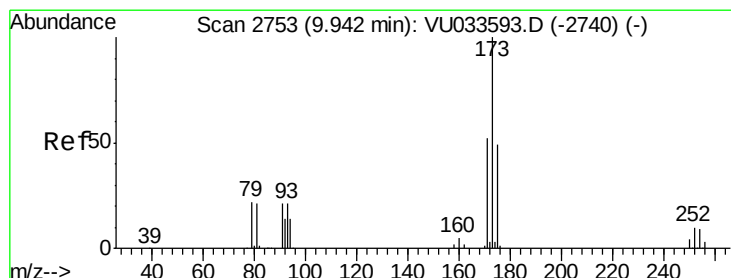
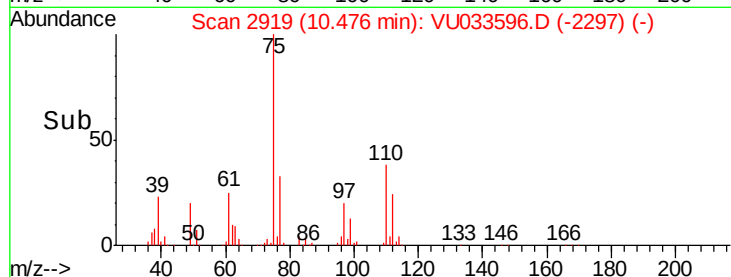
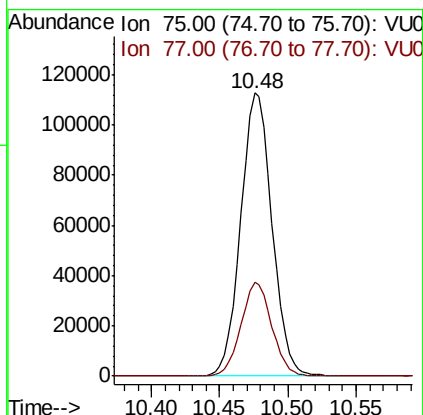
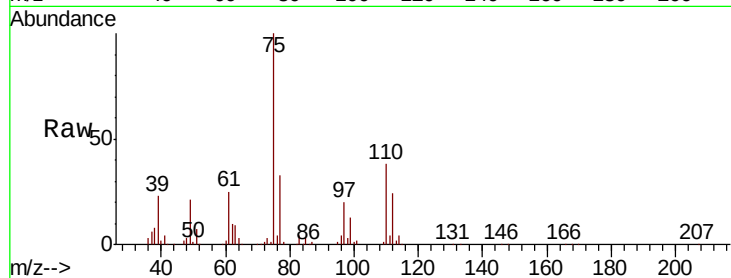




#59
 1,2,3-Trichloropropane
 Concen: 48.376 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

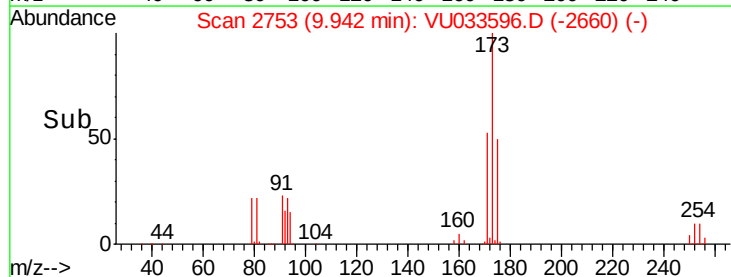
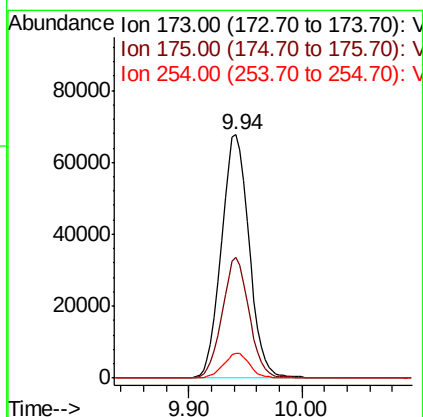
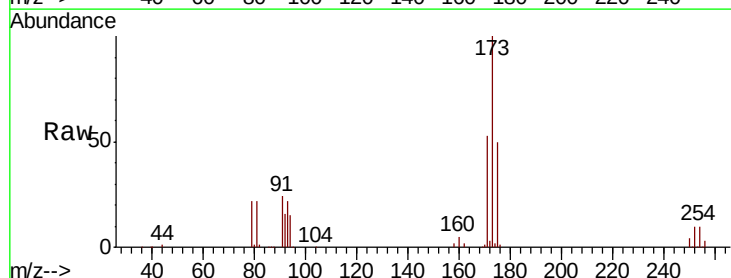
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

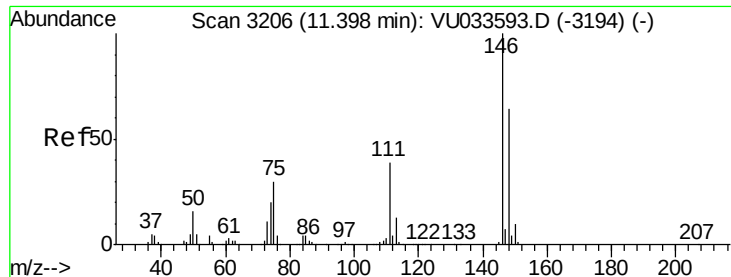
Tgt Ion: 75 Resp: 179635
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 48.255 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion: 173 Resp: 115631
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.4 59.0
 254 9.6 7.2 10.8





#62

1,3-Dichlorobenzene

Concen: 49.847 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampled :

VICV35

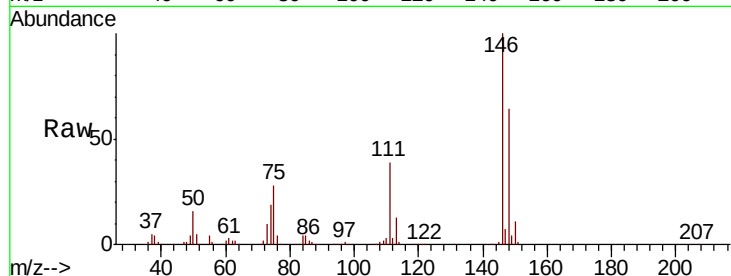
Tgt Ion:146 Resp: 301000

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

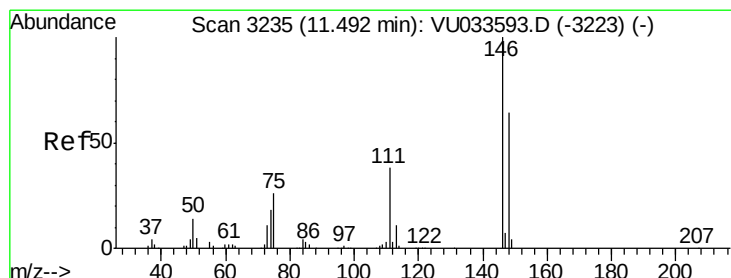
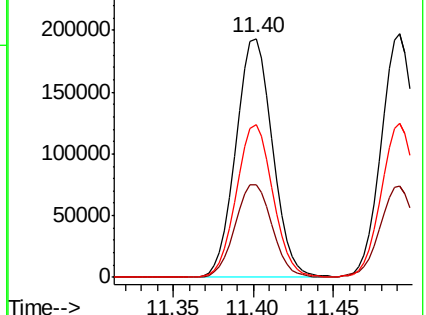
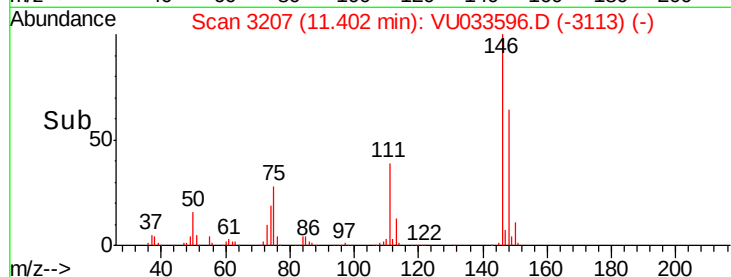
148 64.0 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.245 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

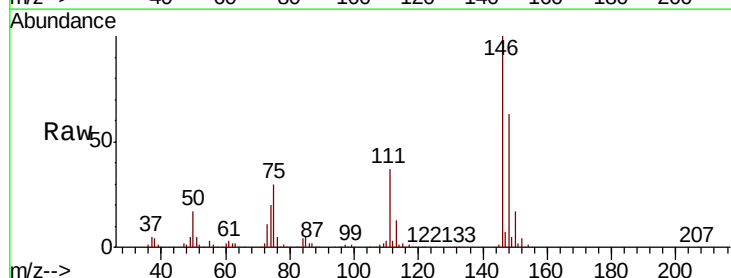
Tgt Ion:146 Resp: 303792

Ion Ratio Lower Upper

146 100

111 37.4 26.9 49.9

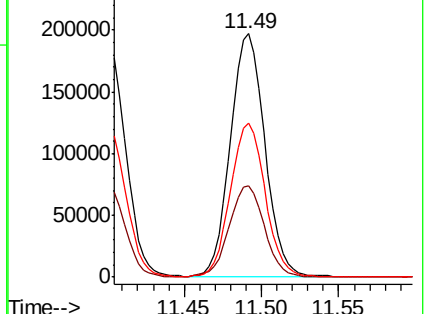
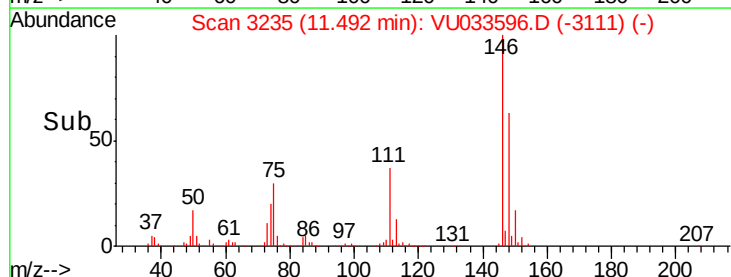
148 63.2 44.9 83.3

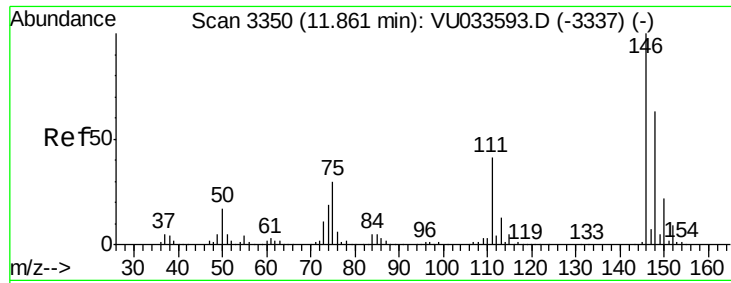


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

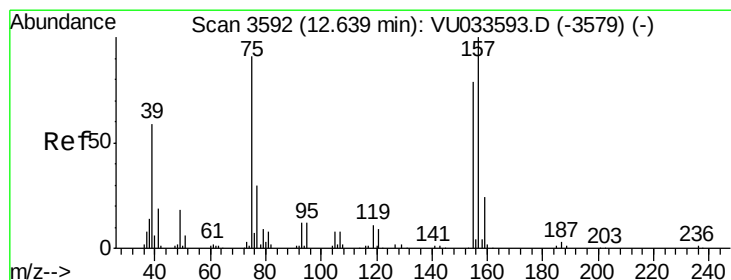
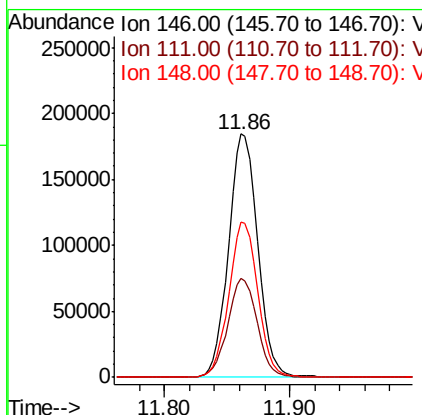
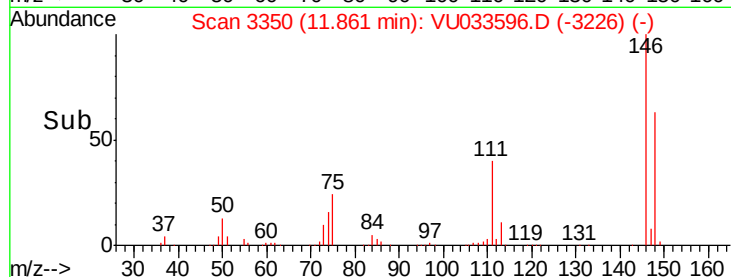
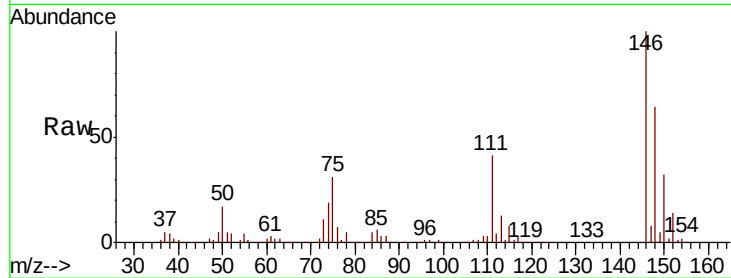




#65
 1,2-Dichlorobenzene
 Concen: 49.528 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

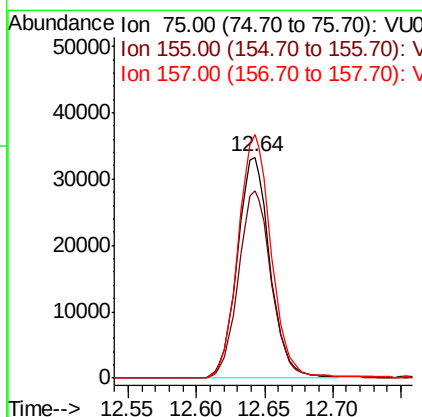
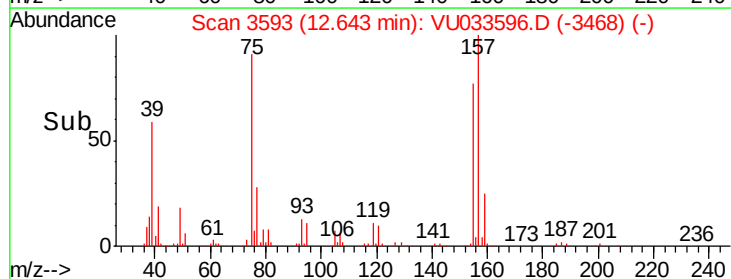
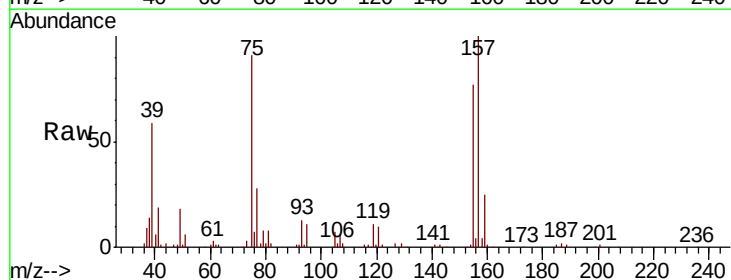
Instrument :
 MSVOA_U
 ClientSampled :
 VICV35

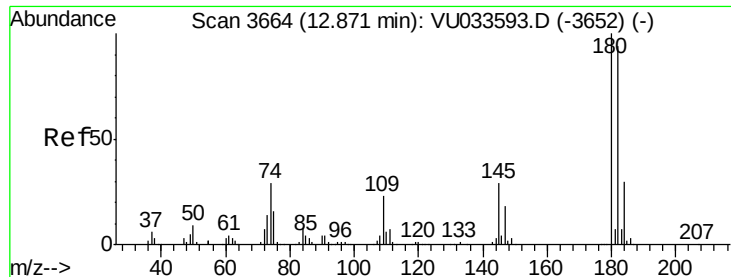
Tgt Ion: 146 Resp: 298290
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.0 49.6
 148 63.7 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.773 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion: 75 Resp: 55357
 Ion Ratio Lower Upper
 75 100
 155 85.0 69.0 103.6
 157 110.3 87.8 131.8

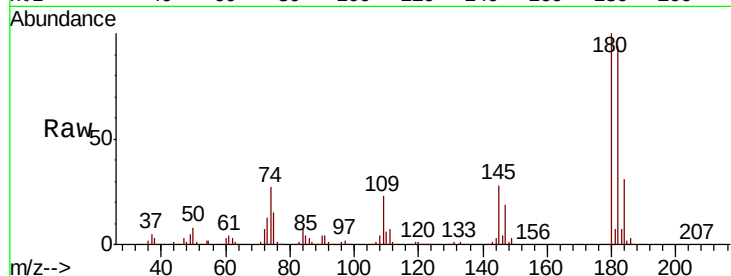




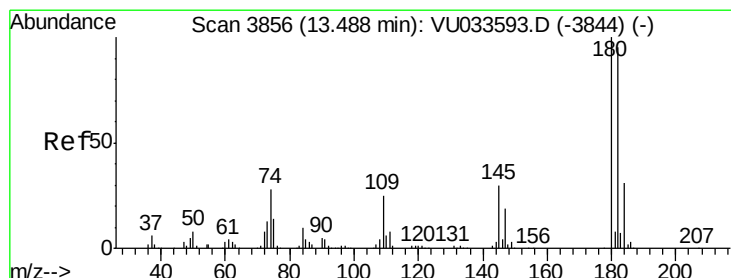
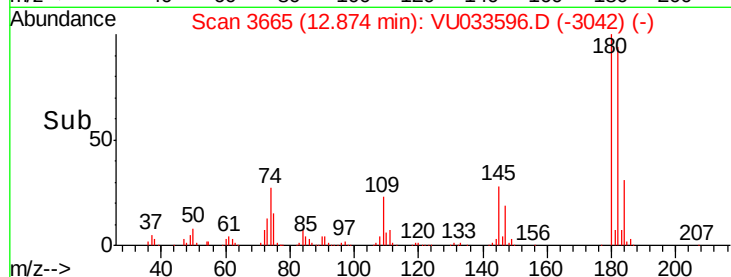
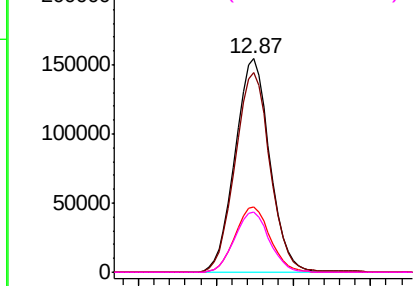
#67
 1,3,5-Trichlorobenzene
 Concen: 51.853 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Tgt Ion:	180	Resp:	241072
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.2
184	31.0	24.2	36.4
145	28.5	23.0	34.4

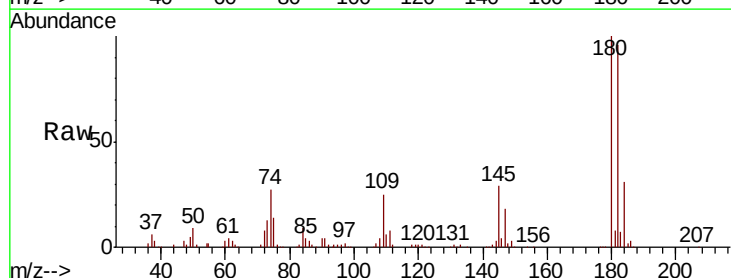


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

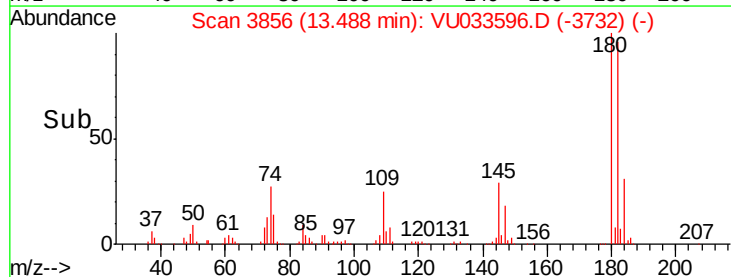
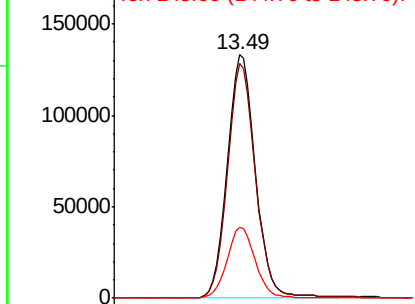


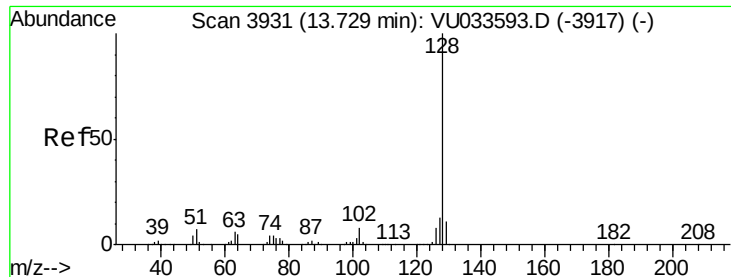
#68
 1,2,4-trichlorobenzene
 Concen: 54.445 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033596.D
 Acq: 05 Aug 2019 13:16

Tgt Ion:	180	Resp:	215927
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
145	28.9	23.5	35.3



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: 54.263 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

VICV35

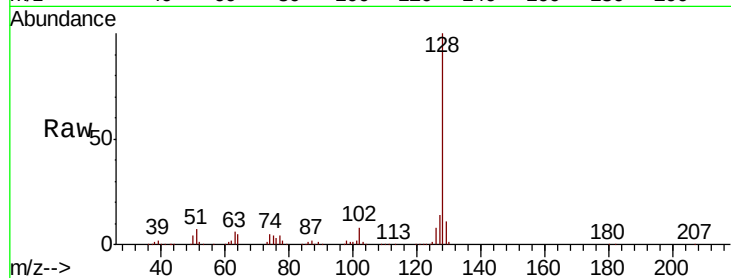
Tgt Ion:128 Resp: 625416

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

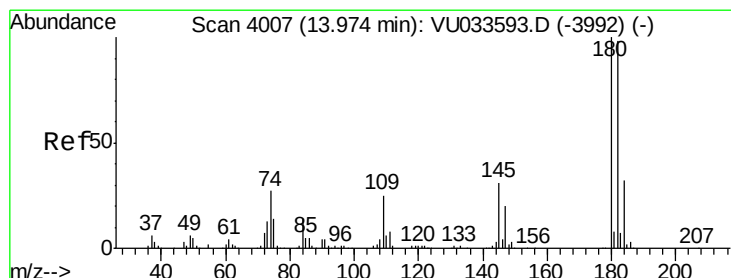
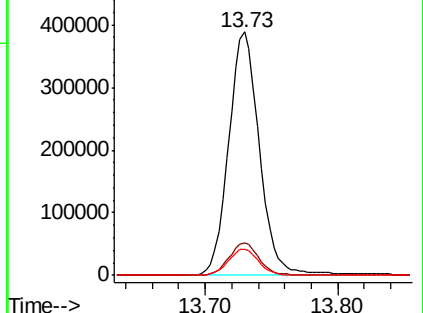
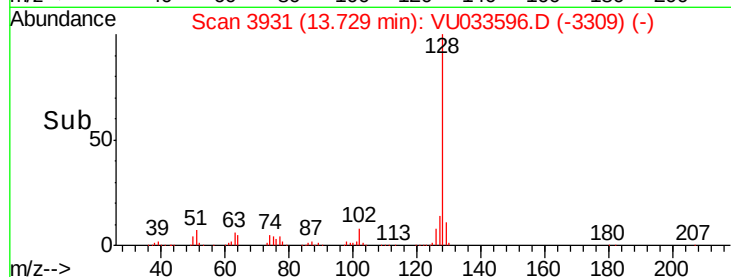
129 10.9 8.6 12.8



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: 51.820 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033596.D

Acq: 05 Aug 2019 13:16

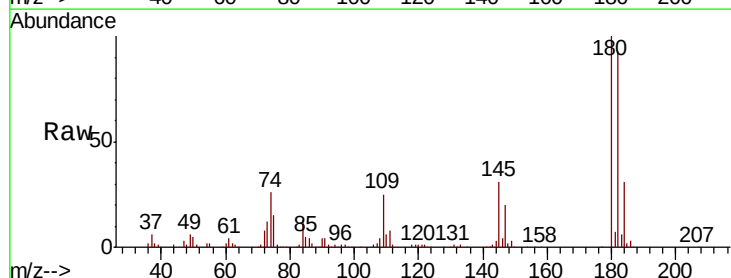
Tgt Ion:180 Resp: 218617

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.2

145 30.6 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

