

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039476.D
 Acq On : 14 Jul 2020 09:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Jul 15 06:19:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 14 12:46:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110026	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106985	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32257	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.92	69	34001	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.58	63	67063	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	4.65	46	140976	48.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.64%
24) Chloroform-d	5.08	84	73998	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.72	65	44749	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	140566	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
36) 1,2-Dichloropropane-d6	6.70	67	45595	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.91	98	129921	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
43) trans-1,3-Dichloropropene-	8.19	79	21066	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.64	63	111100	46.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.74%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44997	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51576	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	35854	5.376 ug/L	96
3) Chloromethane	1.53	50	35971	4.452 ug/L	100
5) Vinyl chloride	1.61	62	40631	4.529 ug/L	97
6) Bromomethane	1.87	94	22505	5.825 ug/L	99
8) Chloroethane	1.94	64	31200	4.813 ug/L	97
9) Trichlorofluoromethane	2.15	101	82390	5.289 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	33649	5.264 ug/L	99
12) 1,1-Dichloroethene	2.59	96	30707	4.693 ug/L	96
13) Acetone	2.66	43	77329	49.100 ug/L	99
14) Carbon disulfide	2.81	76	100442	4.357 ug/L	98
15) Methyl Acetate	2.97	43	19700	4.736 ug/L	97
16) Methylene chloride	3.06	84	37523	4.559 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	100986	4.898 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	34715	4.792 ug/L	92
19) 1,1-Dichloroethane	3.89	63	71496	5.044 ug/L	99
21) 2-Butanone	4.73	43	138919	49.419 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	40386	4.972 ug/L	94

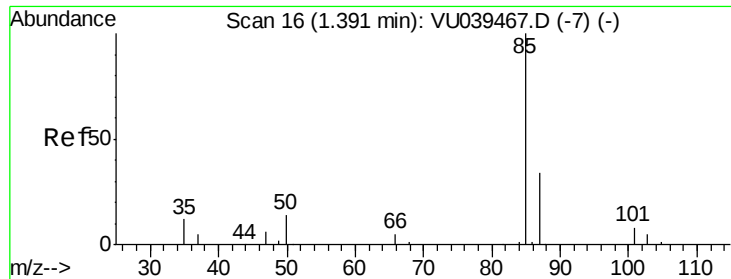
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039476.D
 Acq On : 14 Jul 2020 09:12
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	18541	5.025	ug/L	97
25) Chloroform	5.11	83	75890	5.302	ug/L	98
27) 1,2-Dichloroethane	5.81	62	56714	5.478	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	65099	5.166	ug/L	98
30) Cyclohexane	5.40	56	65684	4.951	ug/L	98
31) Carbon tetrachloride	5.54	117	57322	5.332	ug/L	99
33) Benzene	5.79	78	158289	4.949	ug/L	100
34) Trichloroethene	6.56	95	42375	5.124	ug/L	98
35) Methylcyclohexane	6.77	83	69520	5.248	ug/L	99
37) 1,2-Dichloropropane	6.80	63	43576	4.997	ug/L	99
38) Bromodichloromethane	7.11	83	55942	5.024	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	65045	4.935	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	350579	48.197	ug/L	99
42) Toluene	7.98	91	175041	5.111	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	58607	5.012	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	32333	5.163	ug/L	94
47) Tetrachloroethene	8.56	164	30375	5.281	ug/L	98
48) 2-Hexanone	8.69	43	266160	49.626	ug/L	99
49) Dibromochloromethane	8.82	129	39494	5.206	ug/L	93
50) 1,2-Dibromoethane	8.93	107	32201	5.061	ug/L	99
51) Chlorobenzene	9.45	112	110098	5.260	ug/L	99
52) Ethylbenzene	9.57	91	199405	5.268	ug/L	99
53) m,p-Xylene	9.70	106	73527	5.155	ug/L	99
54) o-Xylene	10.10	106	73048	5.261	ug/L	98
55) Styrene	10.11	104	122371	5.065	ug/L	97
56) Isopropylbenzene	10.48	105	197927	5.271	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	44138	5.063	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	32313	5.028	ug/L	98
61) Bromoform	10.29	173	22771	5.001	ug/L #	97
62) 1,3-Dichlorobenzene	11.74	146	86360	5.101	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	85048	5.007	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	82932	4.886	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	7567	5.047	ug/L #	79
67) 1,3,5-Trichlorobenzene	13.21	180	63572	5.018	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	52954	4.884	ug/L	95
69) Naphthalene	14.08	128	93205	4.272	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	46134	4.592	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.376 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

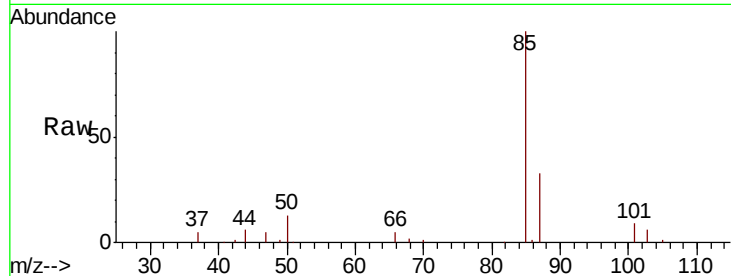
VSTD00519

Tot Ion: 85 Resp: 35854

Ion Ratio Lower Upper

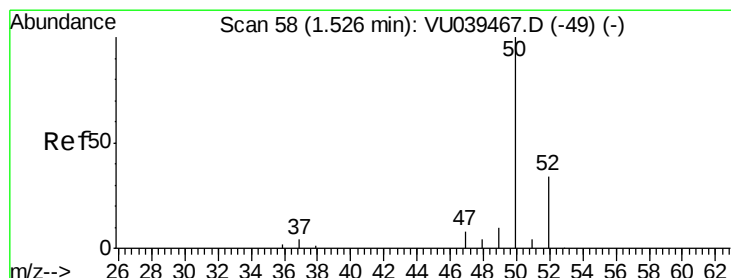
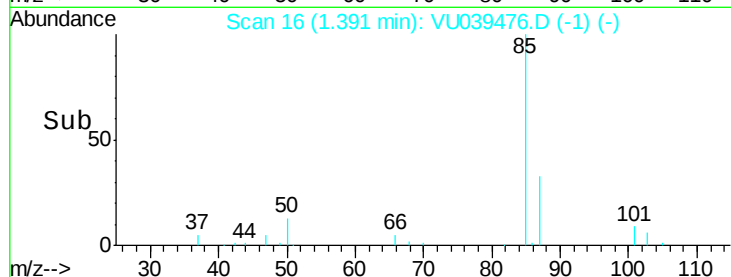
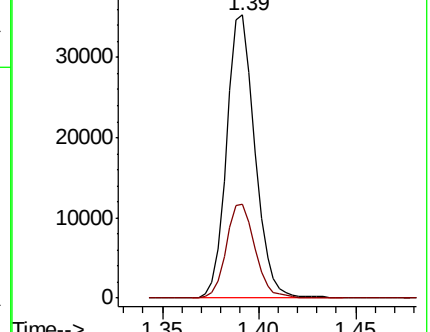
85 100

87 33.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039467.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039467.D (-7) (-)



#3

Chloromethane

Concen: 4.452 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039476.D

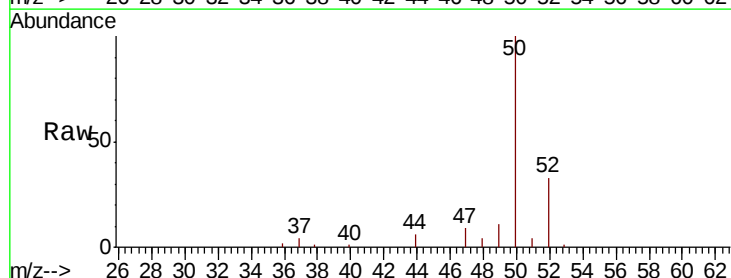
Acq: 14 Jul 2020 09:12

Tgt Ion: 50 Resp: 35971

Ion Ratio Lower Upper

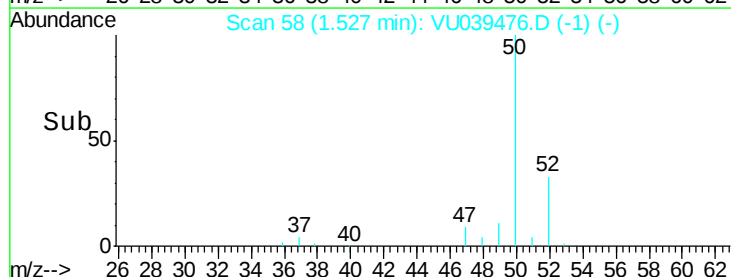
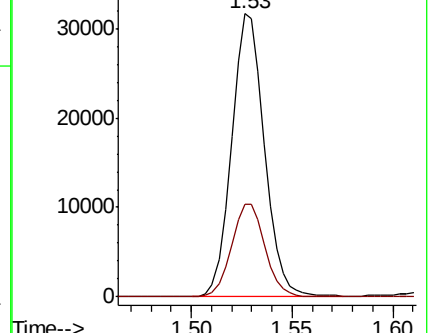
50 100

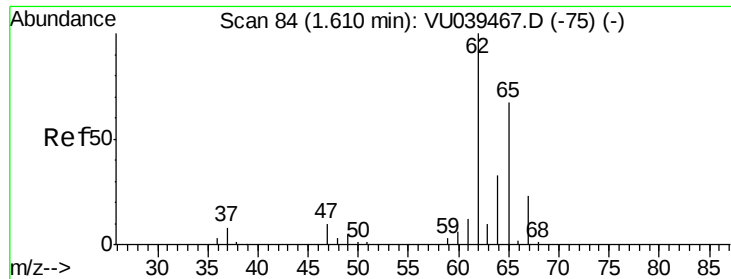
52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039467.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039467.D (-49) (-)





#5

Vinyl chloride

Concen: 4.529 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

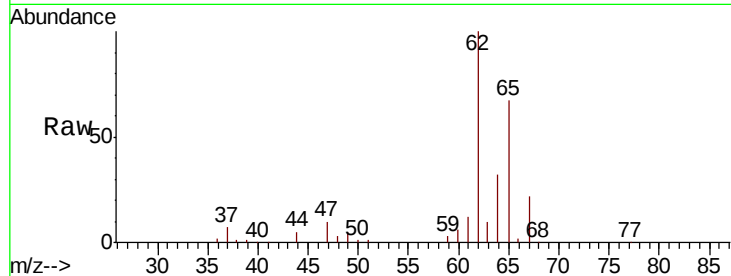
VSTD00519

Tot Ion: 62 Resp: 40631

Ion Ratio Lower Upper

62 100

64 32.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

40000

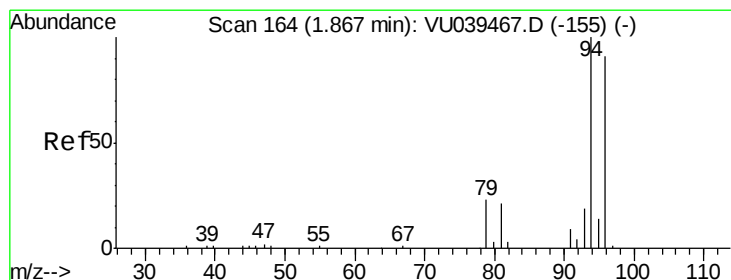
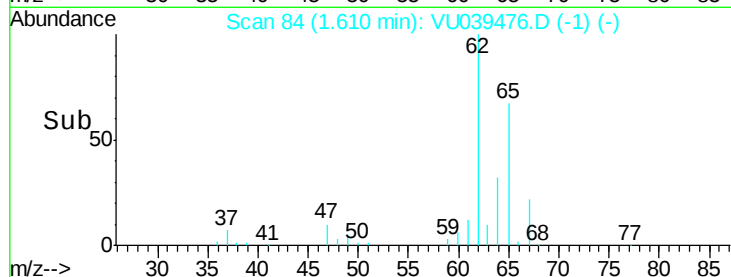
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.825 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039476.D

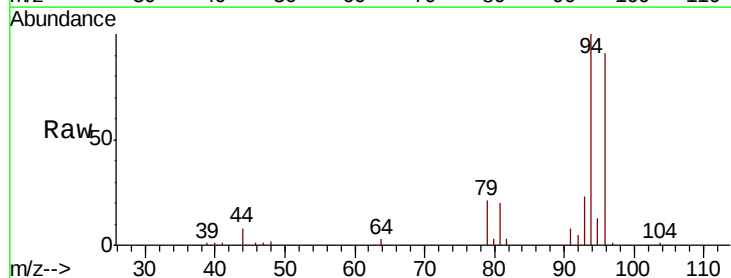
Acq: 14 Jul 2020 09:12

Tgt Ion: 94 Resp: 22505

Ion Ratio Lower Upper

94 100

96 90.7 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

20000

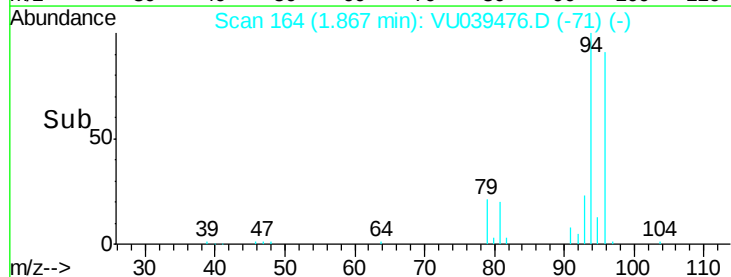
15000

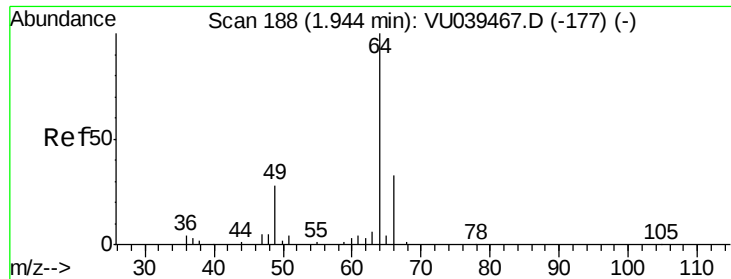
10000

5000

0

Time--> 1.80 1.85 1.90

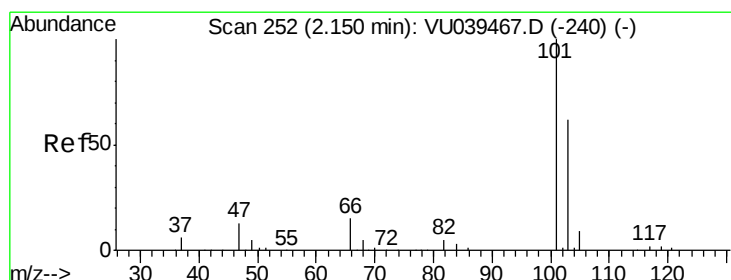
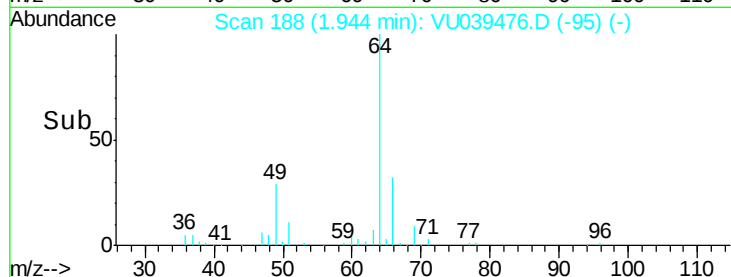
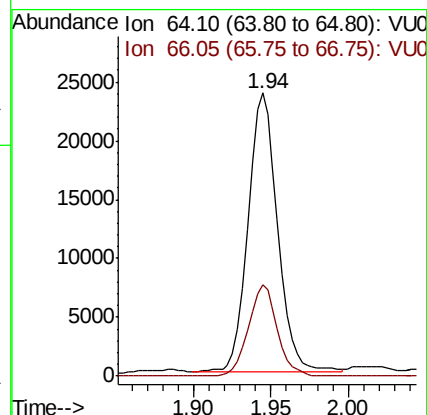
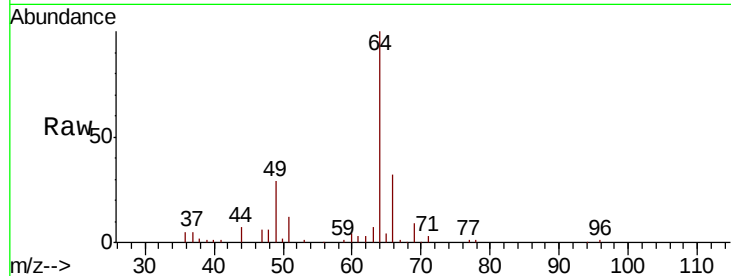




#8
Chloroethane
Concen: 4.813 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

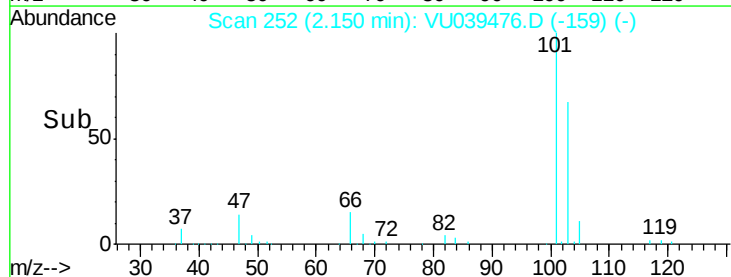
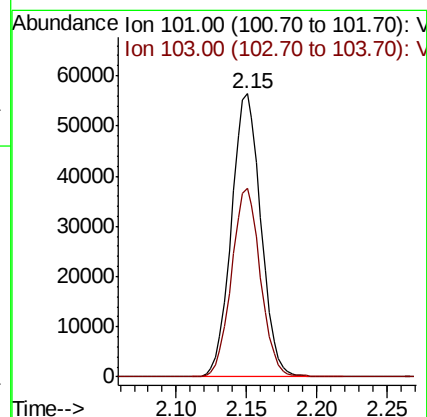
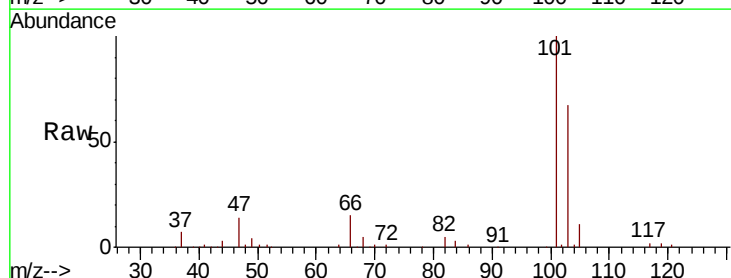
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

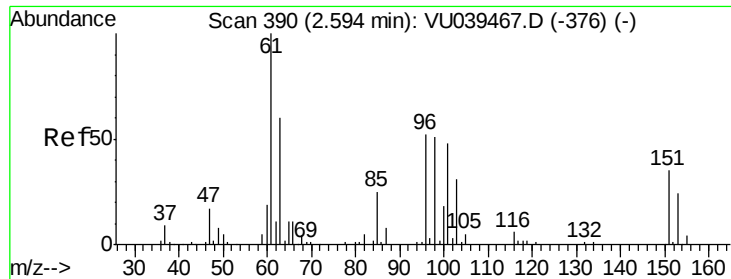
Tot Ion: 64 Resp: 31200
Ion Ratio Lower Upper
64 100
66 32.1 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.289 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion:101 Resp: 82390
Ion Ratio Lower Upper
101 100
103 65.5 50.6 76.0





#10

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

Concen: 5.264 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

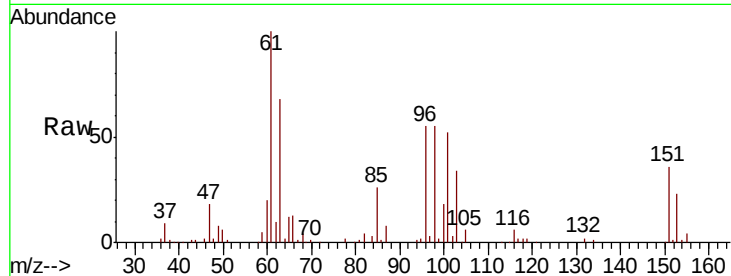
Tot Ion:101 Resp: 33649

Ion Ratio Lower Upper

101 100

85 49.9 38.9 58.3

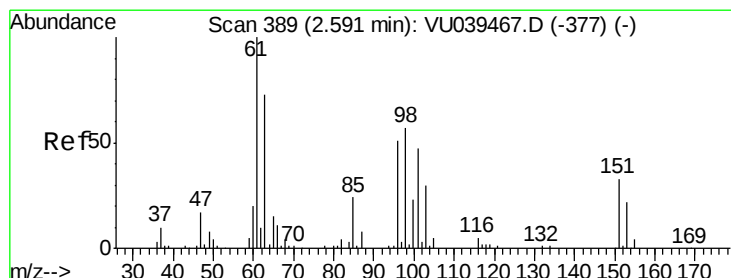
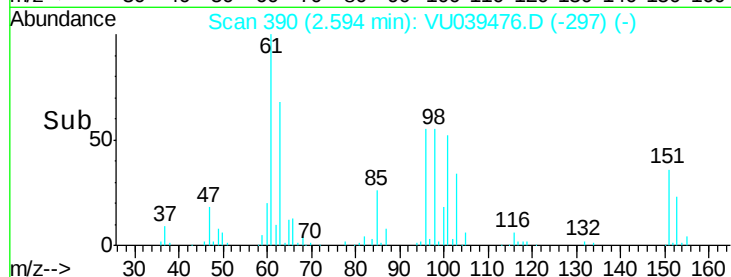
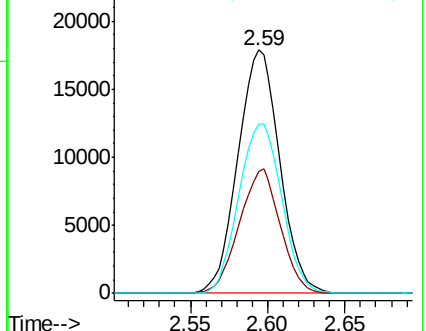
151 71.4 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.693 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

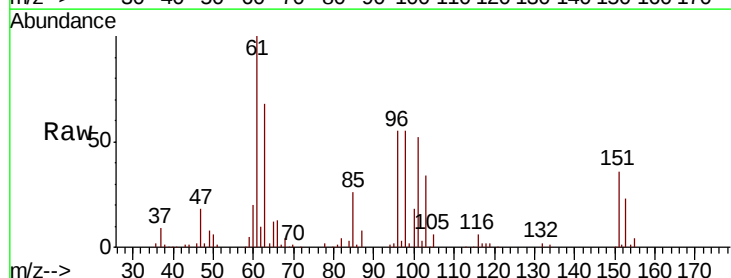
Tgt Ion: 96 Resp: 30707

Ion Ratio Lower Upper

96 100

61 183.2 125.4 232.8

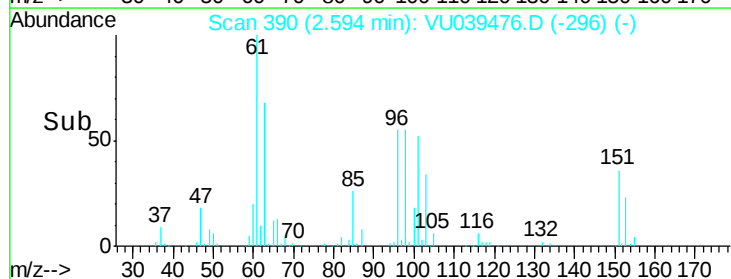
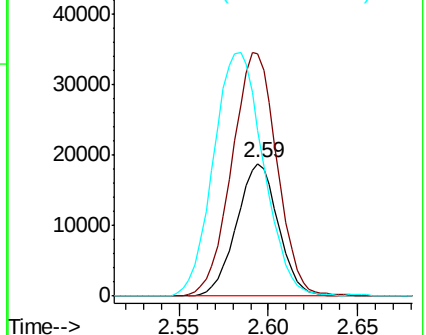
63 125.1 92.7 172.3

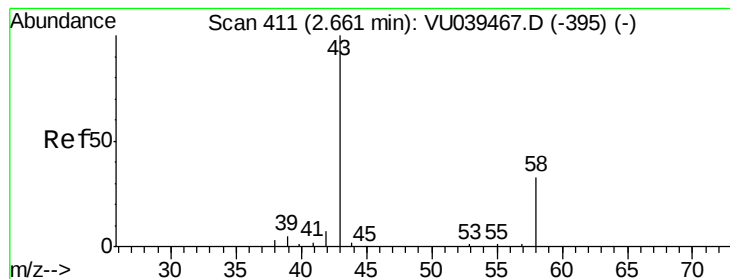


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.100 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

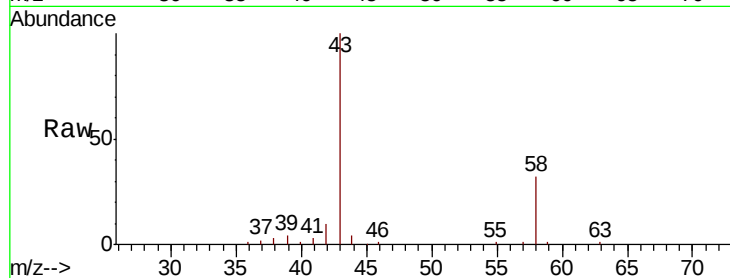
VSTD00519

Tot Ion: 43 Resp: 77329

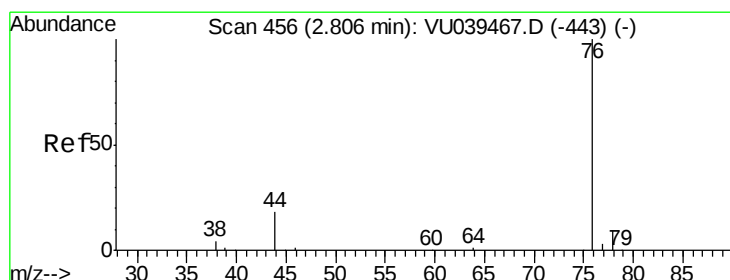
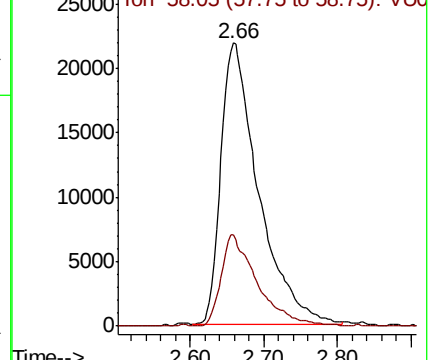
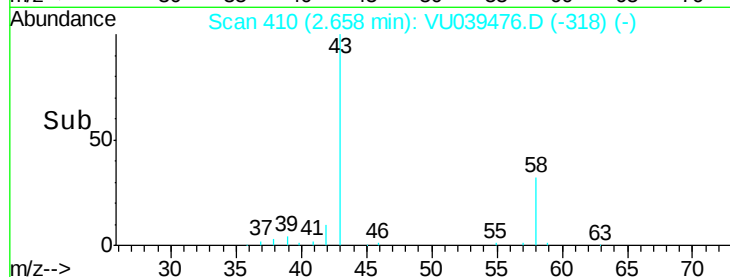
Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039476.D (-318) (-)



#14

Carbon disulfide

Concen: 4.357 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039476.D

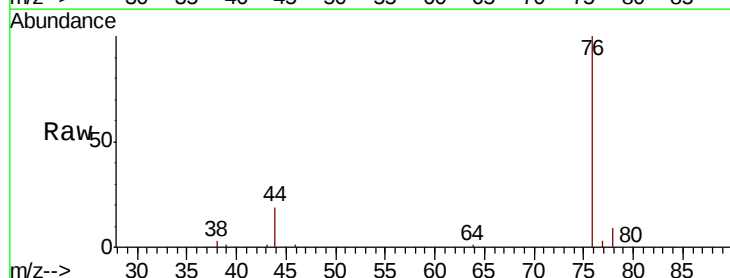
Acq: 14 Jul 2020 09:12

Tgt Ion: 76 Resp: 100442

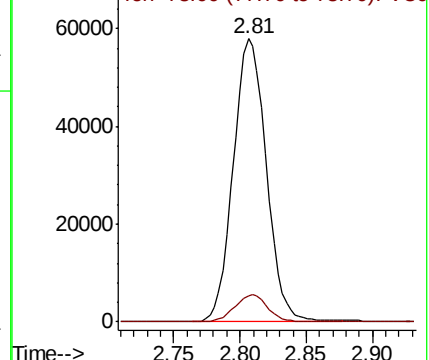
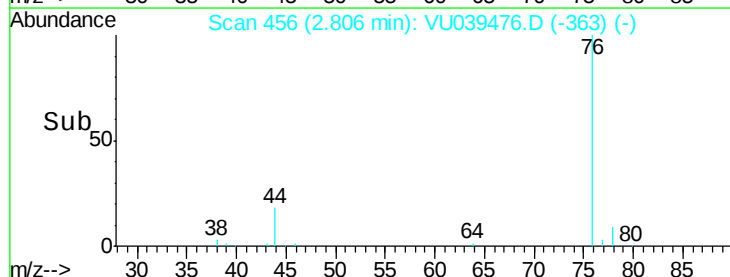
Ion Ratio Lower Upper

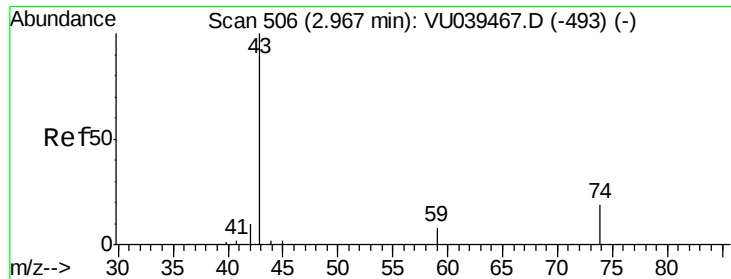
76 100

78 9.3 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039476.D (-363) (-)

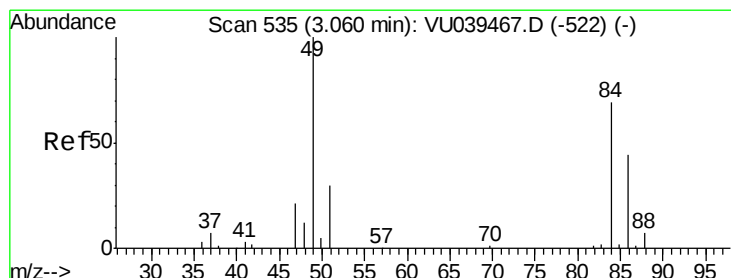
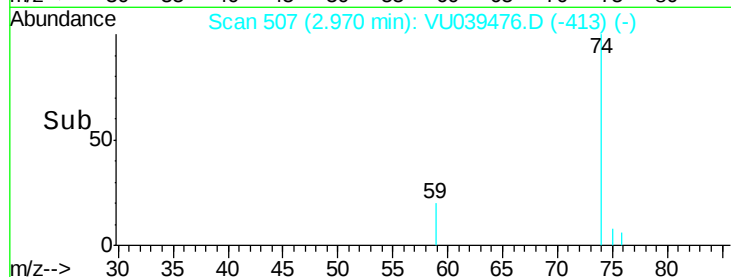
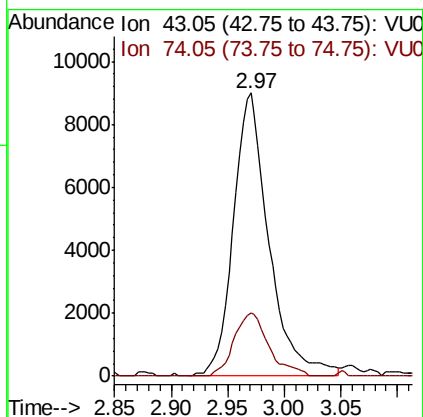
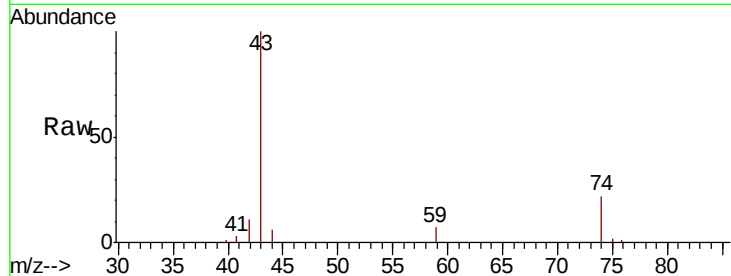




#15
Methvl Acetate
Concen: 4.736 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

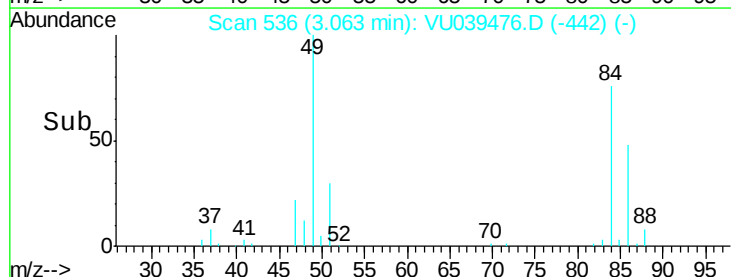
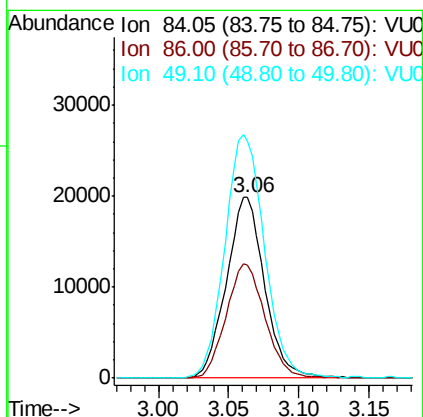
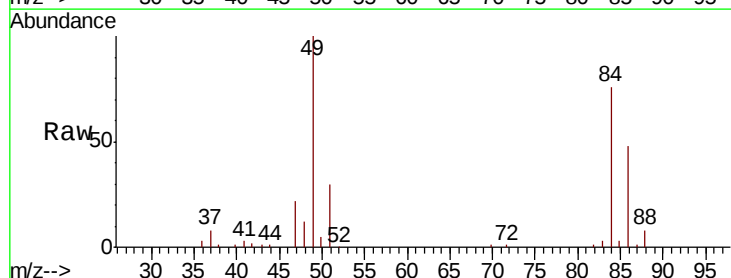
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

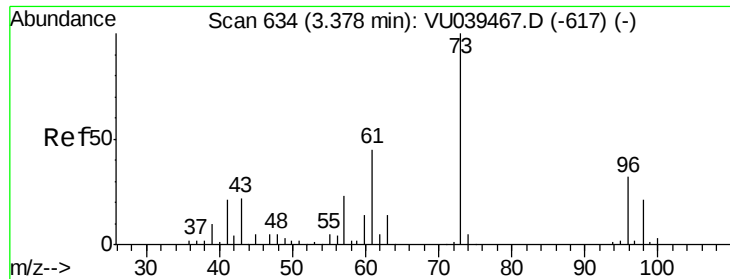
Tot Ion: 43 Resp: 19700
Ion Ratio Lower Upper
43 100
74 21.8 18.7 28.1



#16
Methylene chloride
Concen: 4.559 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion: 84 Resp: 37523
Ion Ratio Lower Upper
84 100
86 62.7 43.5 80.9
49 131.4 91.1 169.1

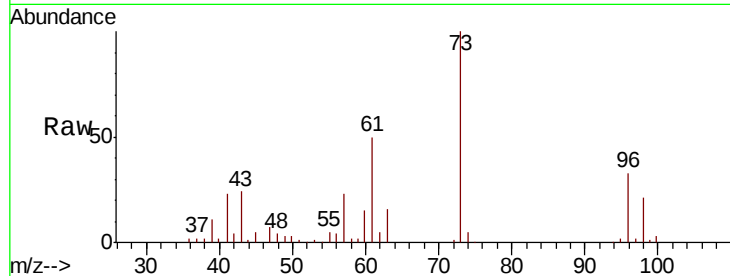




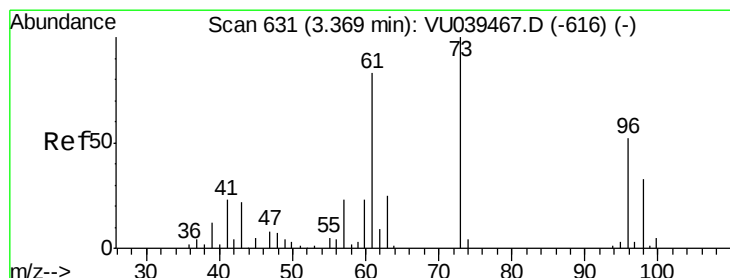
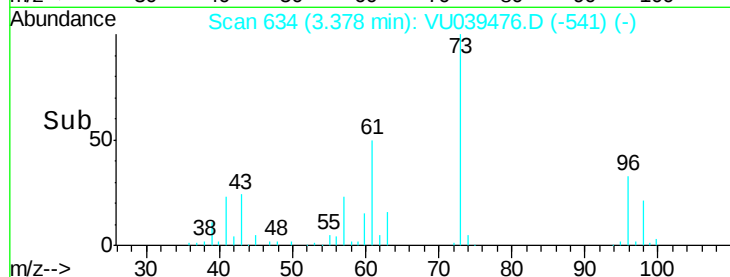
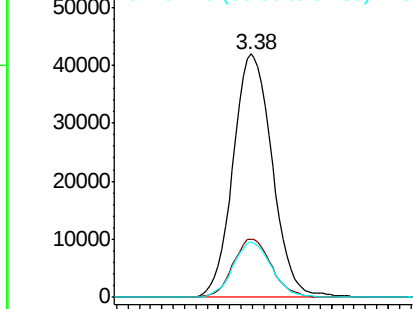
#17
Methvl tert-butvl Ether
Concen: 4.898 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Instrument :
MSVOA_U
ClientSampled :
VSTD00519

Tot Ion: 73 Resp: 100986
Ion Ratio Lower Upper
73 100
43 23.5 18.6 28.0
57 22.2 17.9 26.9

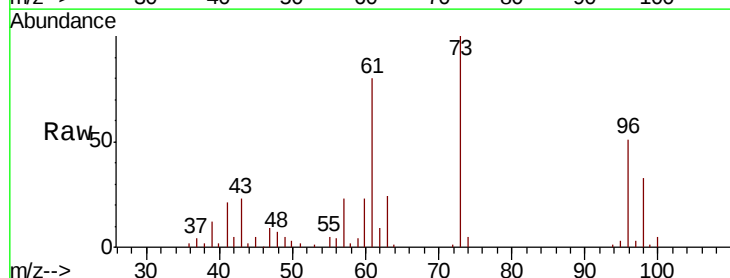


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

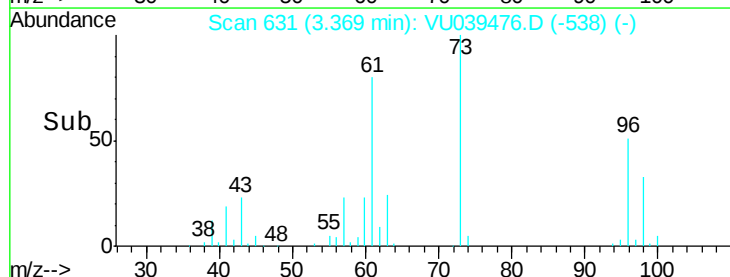
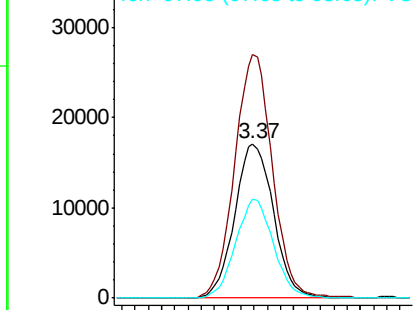


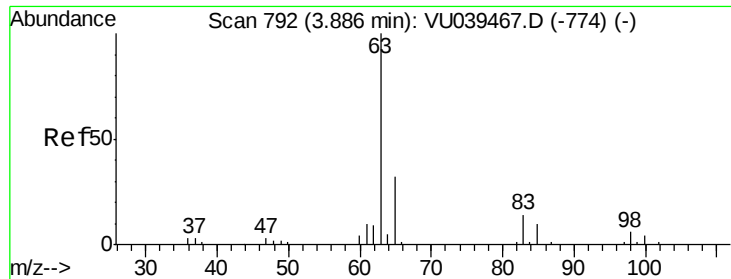
#18
trans-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion: 96 Resp: 34715
Ion Ratio Lower Upper
96 100
61 157.5 102.1 189.5
98 64.2 42.5 78.9



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

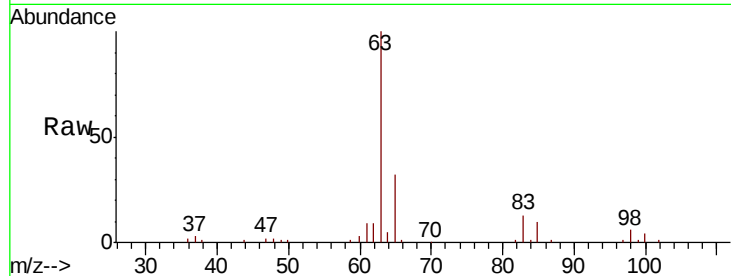




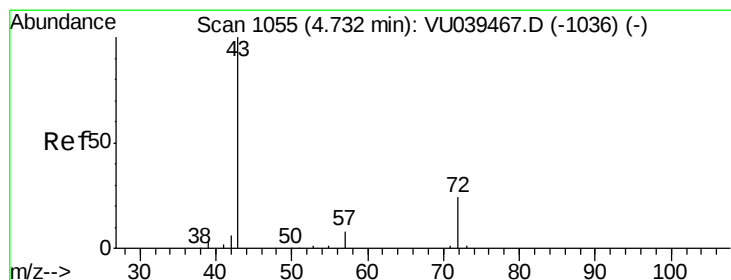
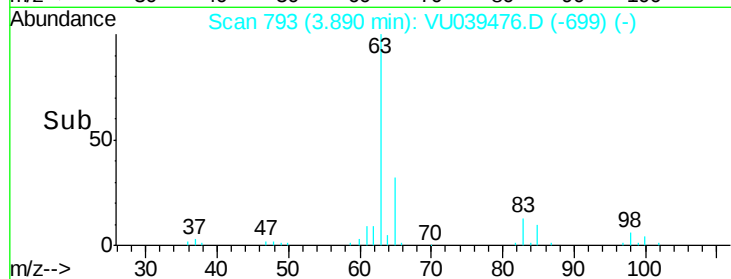
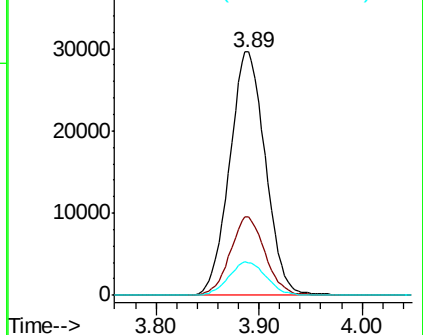
#19
 1,1-Dichloroethane
 Concen: 5.044 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 63 Resp: 71496
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.0 42.6
 83 13.5 9.6 17.8

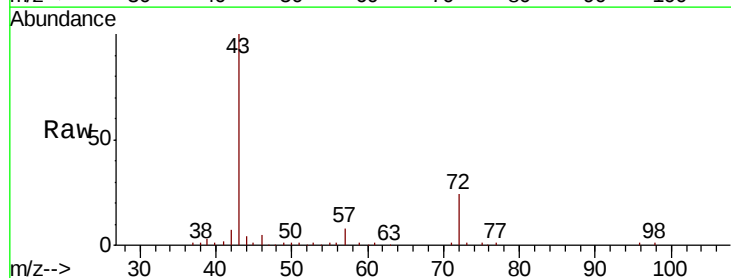


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

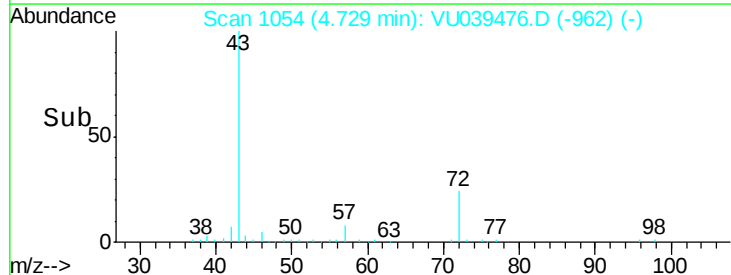
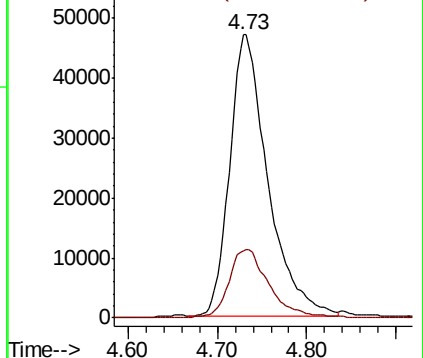


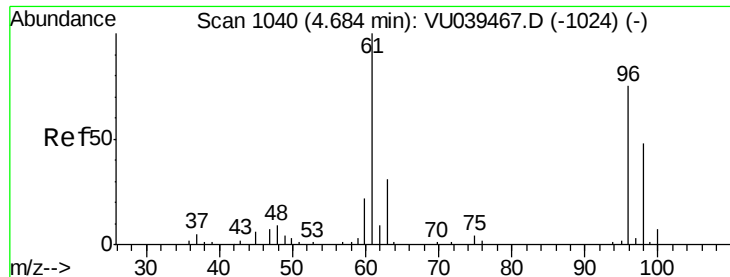
#21
 2-Butanone
 Concen: 49.419 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion: 43 Resp: 138919
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.972 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

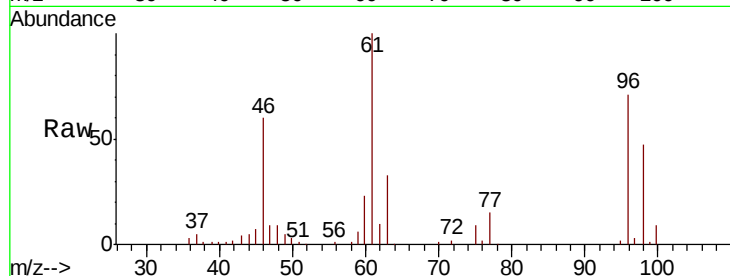
Tot Ion: 96 Resp: 40386

Ion Ratio Lower Upper

96 100

61 140.2 92.8 172.4

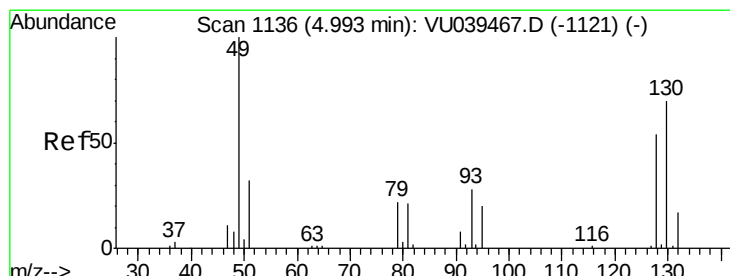
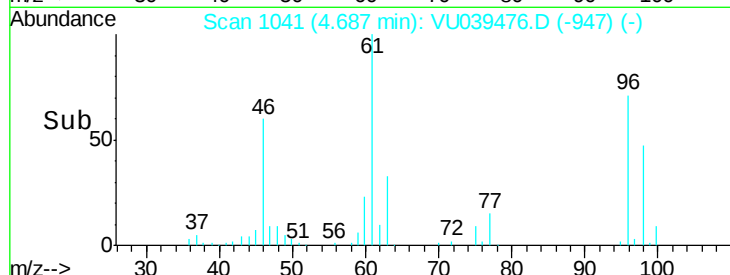
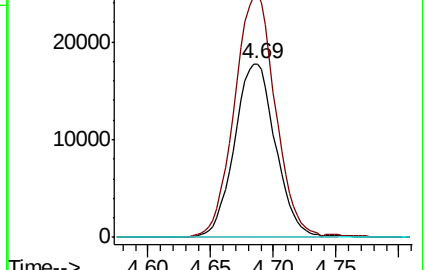
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039476.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039476.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039476.D (-1024) (-)



#23

Bromochloromethane

Concen: 5.025 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Tgt Ion: 128 Resp: 18541

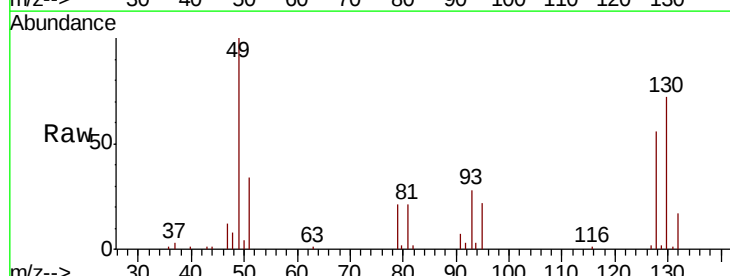
Ion Ratio Lower Upper

128 100

49 177.5 128.5 238.7

130 127.4 91.5 169.9

51 60.3 47.0 70.6

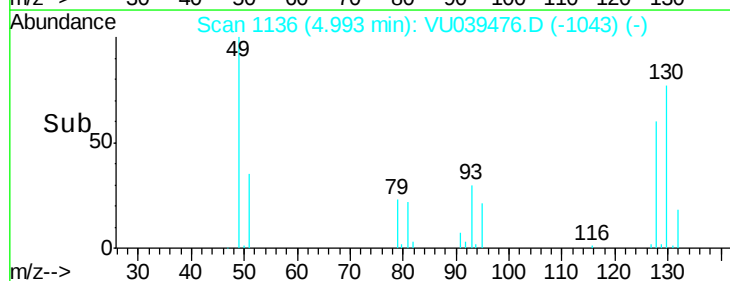
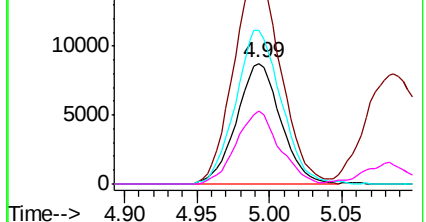


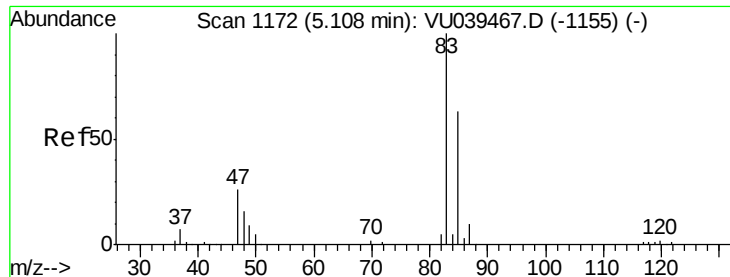
Abundance Ion 127.90 (127.60 to 128.60): VU039476.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU039476.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU039476.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU039476.D (-1121) (-)

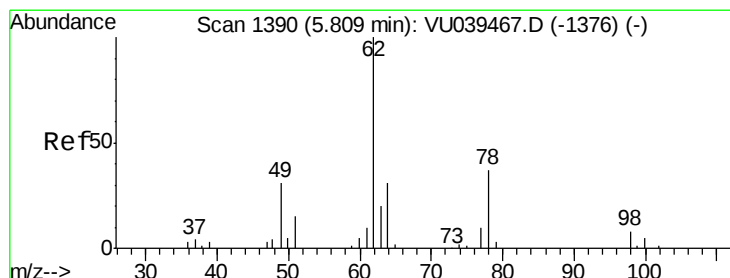
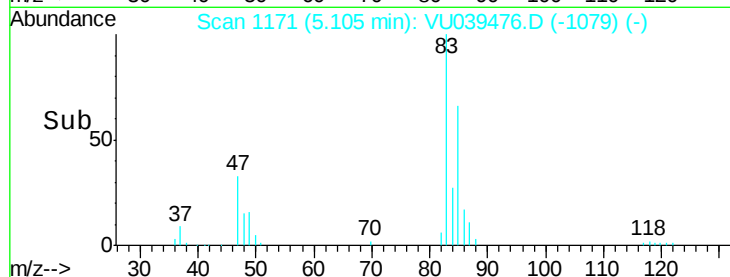
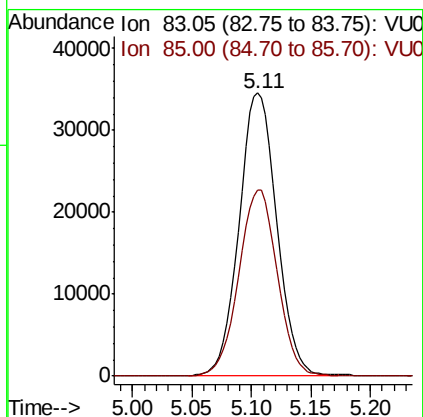
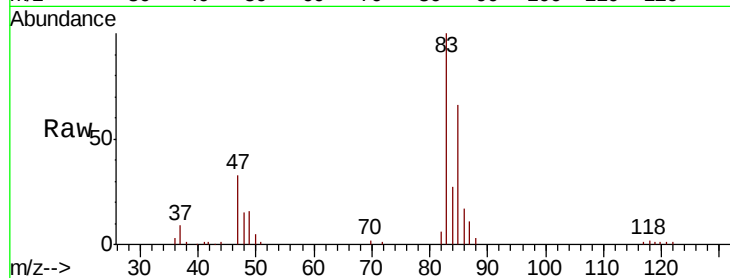




#25
Chloroform
Concen: 5.302 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

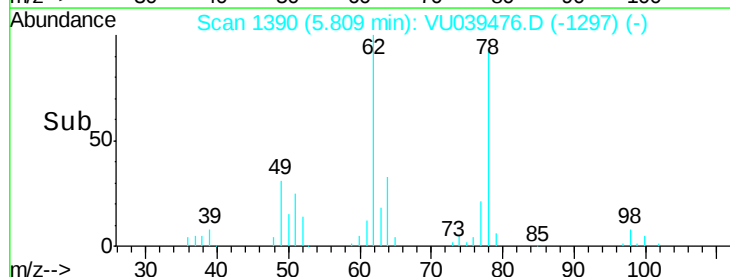
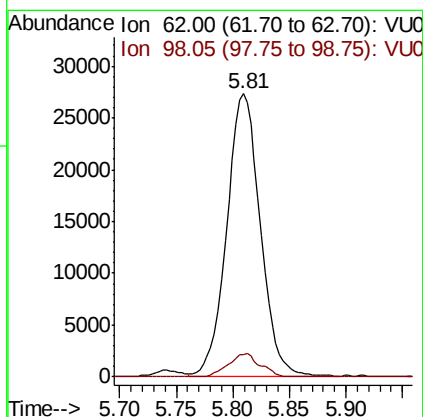
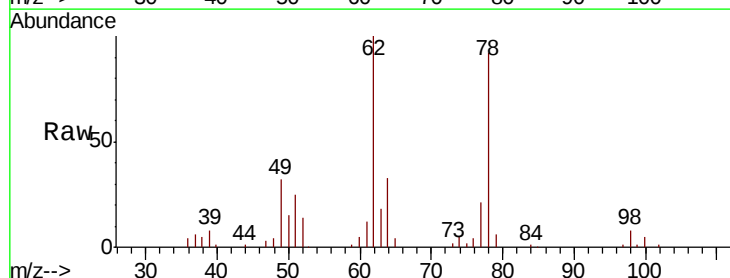
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

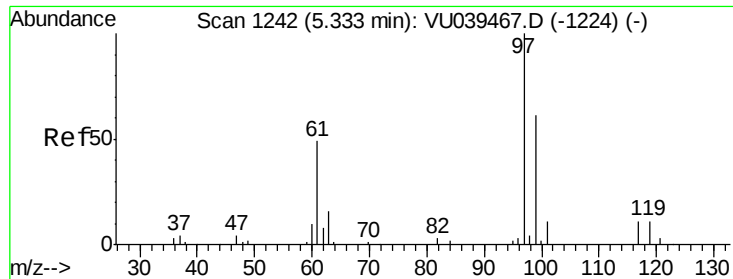
Tot Ion: 83 Resp: 75890
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.478 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion: 62 Resp: 56714
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5

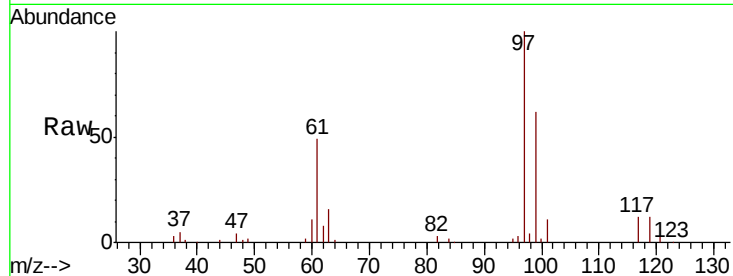




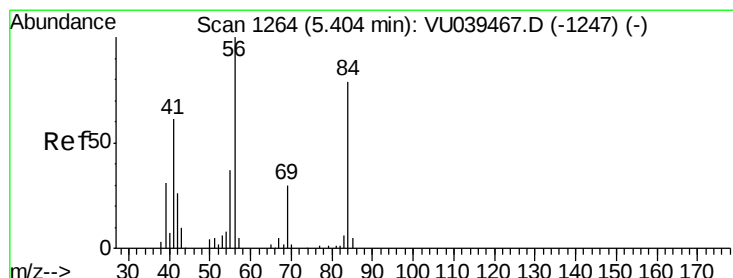
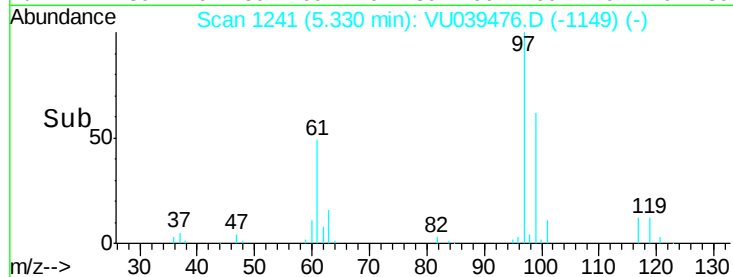
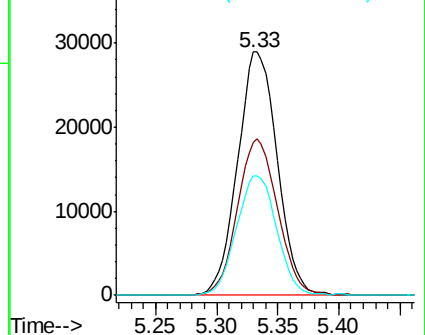
#29
 1,1,1-Trichloroethane
 Concen: 5.166 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion: 97 Resp: 65099
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.6 79.0
 61 49.9 37.9 56.9

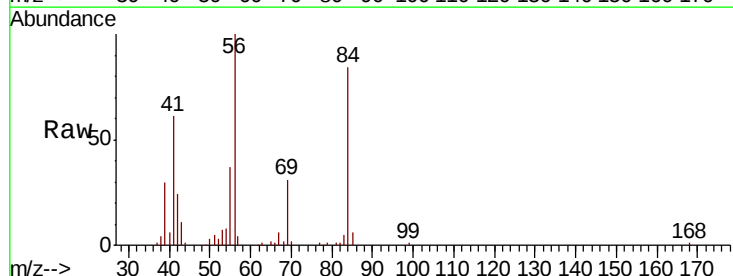


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

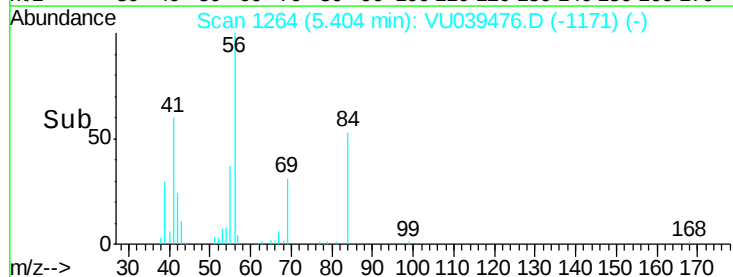
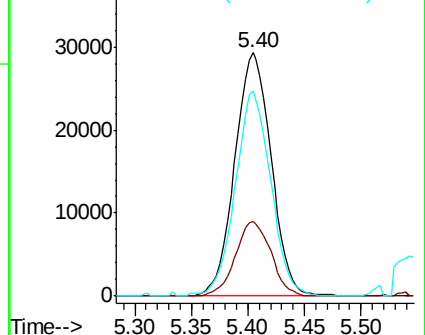


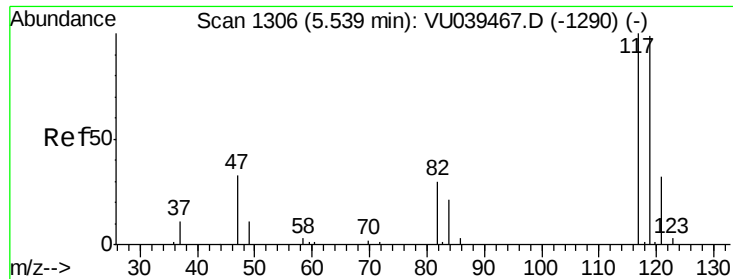
#30
 Cyclohexane
 Concen: 4.951 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion: 56 Resp: 65684
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.1 36.1
 84 81.8 67.0 100.6



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





#31

Carbon tetrachloride

Concen: 5.332 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

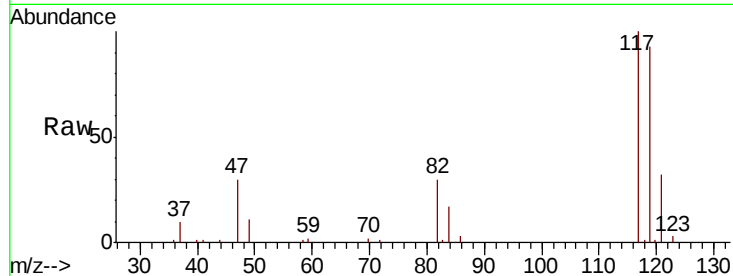
VSTD00519

Tot Ion:117 Resp: 57322

Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

30000

25000

20000

15000

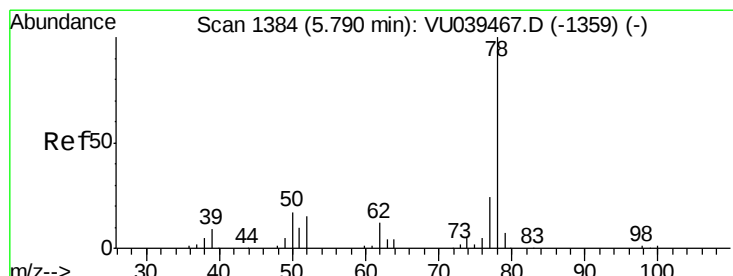
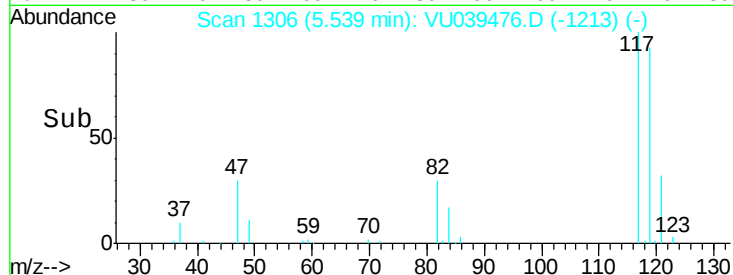
10000

5000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.949 ug/L

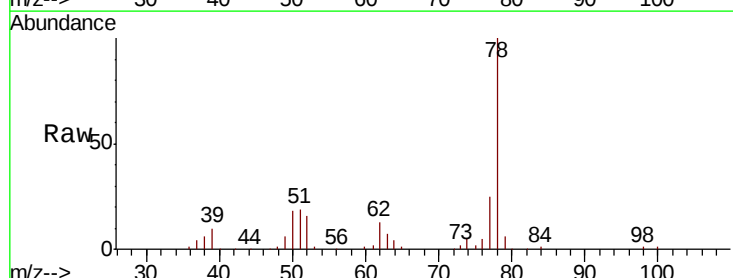
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Tgt Ion: 78 Resp: 158289



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

80000

60000

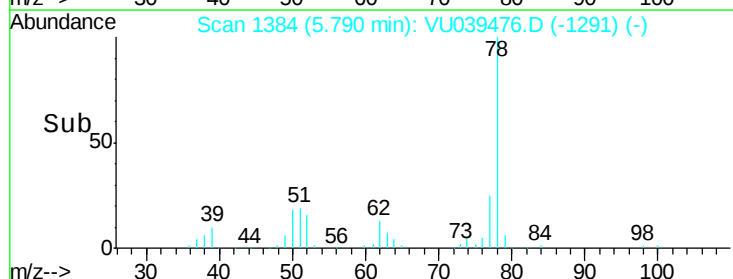
40000

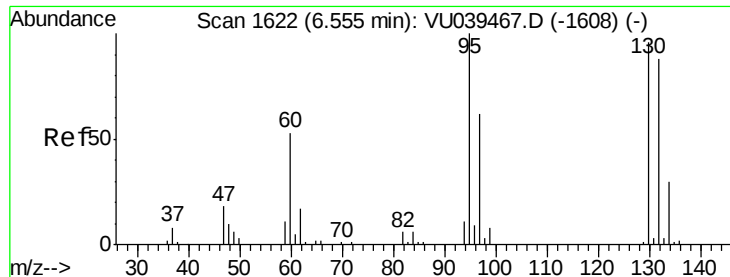
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.124 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 95 Resp: 42375

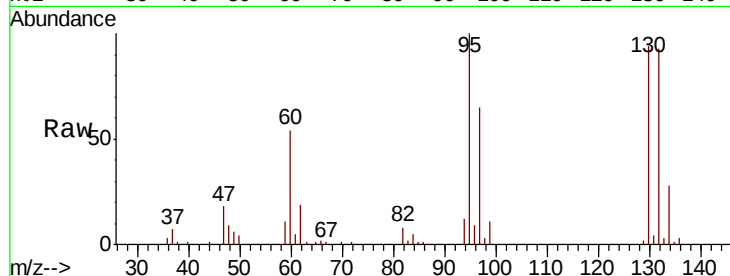
Ion Ratio Lower Upper

95 100

97 65.0 46.3 85.9

132 92.8 64.0 118.8

130 94.3 64.3 119.5

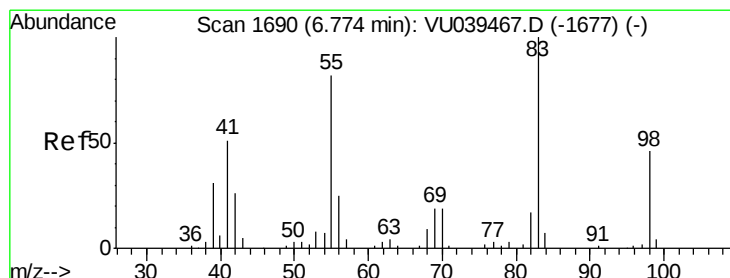
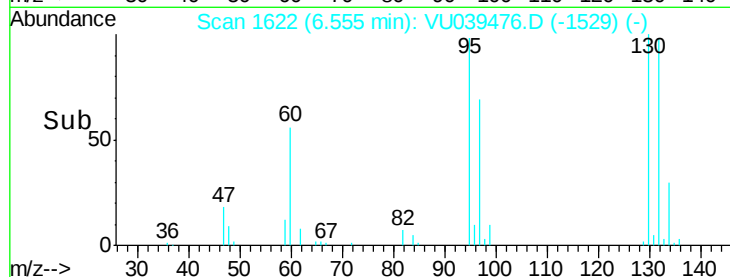
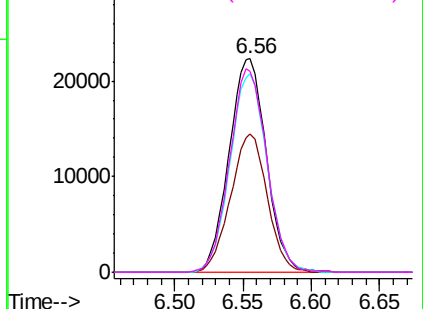


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.248 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

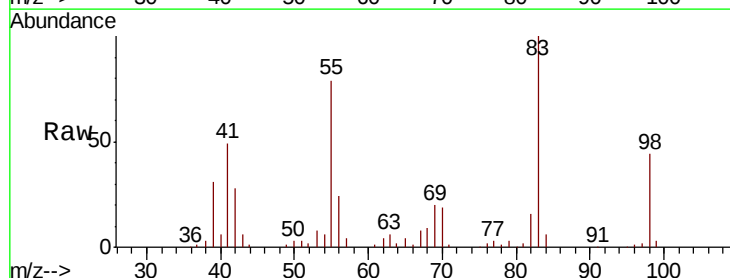
Tgt Ion: 83 Resp: 69520

Ion Ratio Lower Upper

83 100

55 78.3 62.1 93.1

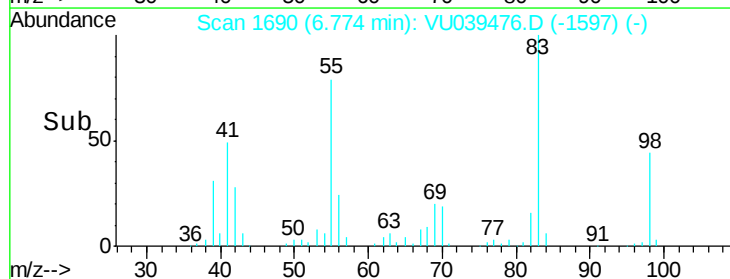
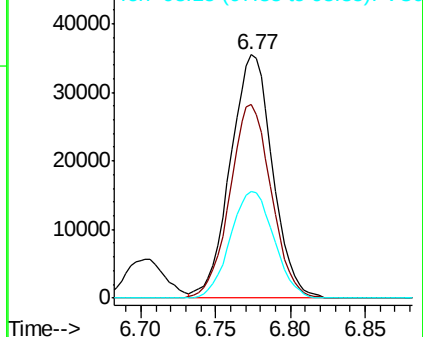
98 45.2 35.9 53.9

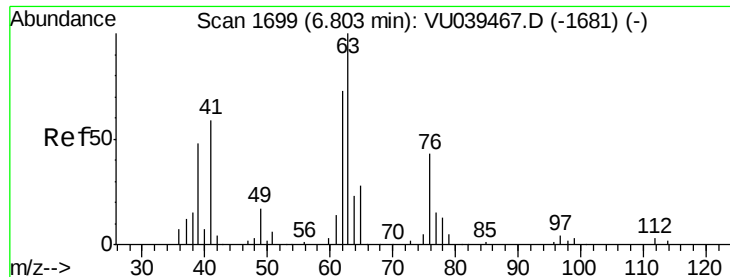


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

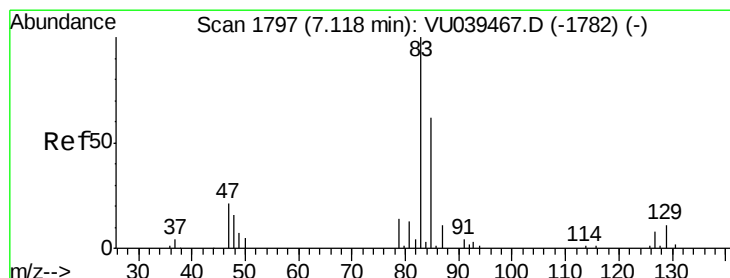
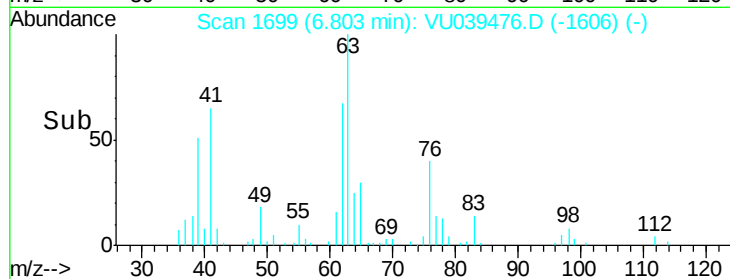
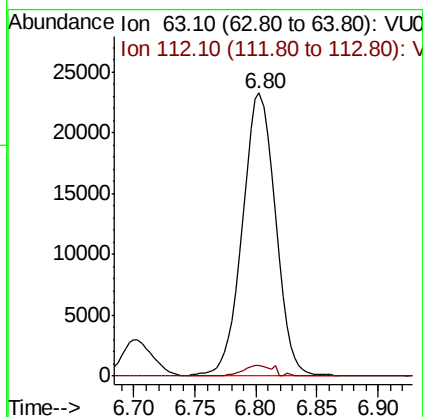
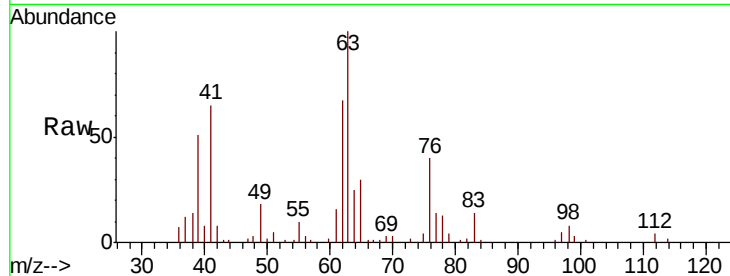




#37
 1,2-Dichloropropane
 Concen: 4.997 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

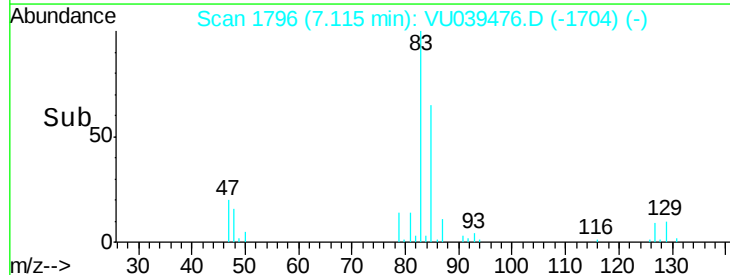
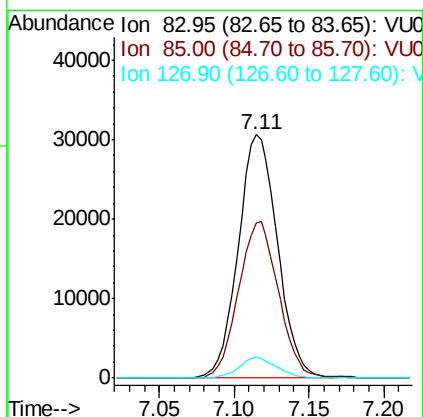
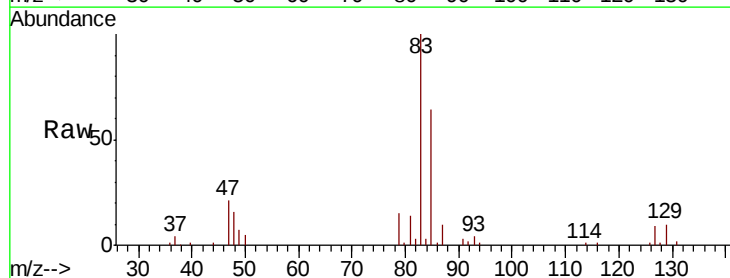
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

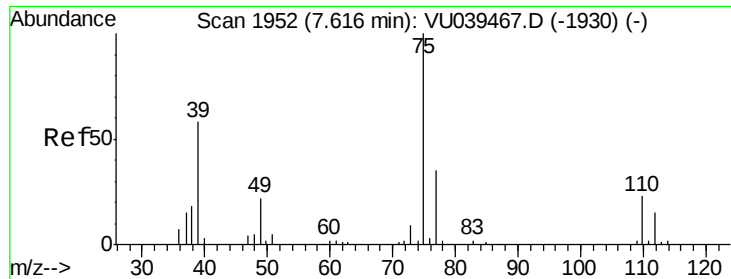
Tot Ion: 63 Resp: 43576
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.024 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion: 83 Resp: 55942
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.0 81.6
 127 8.7 6.2 9.4

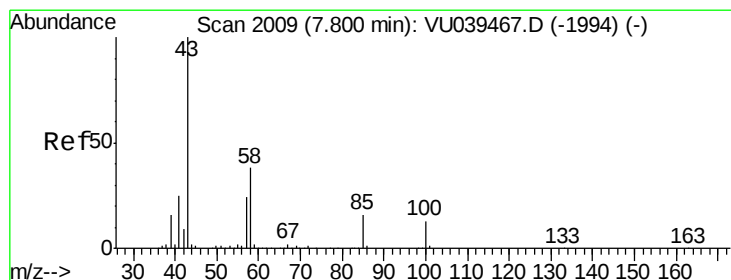
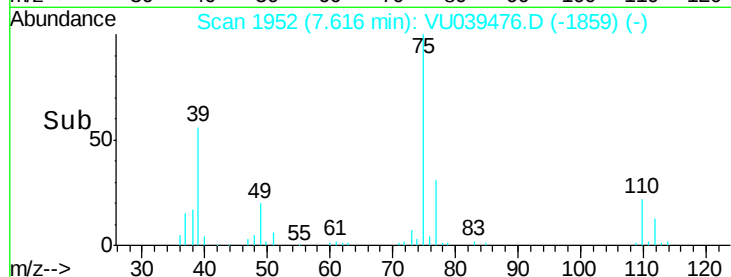
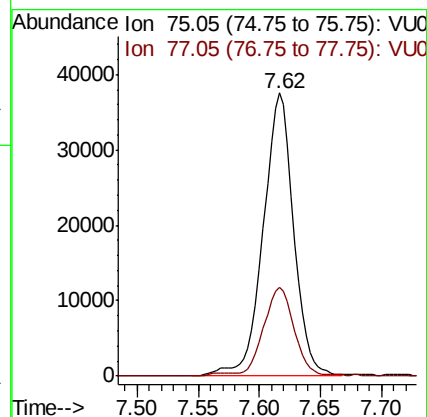
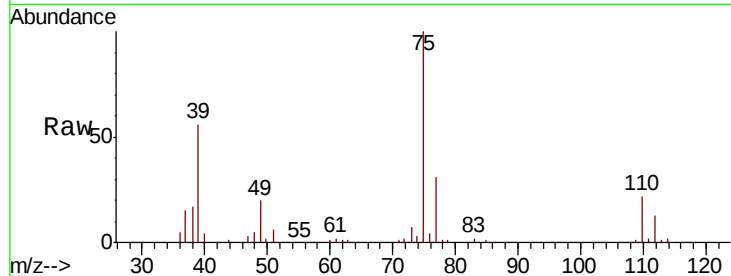




#39
 cis-1,3-Dichloropropene
 Concen: 4.935 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

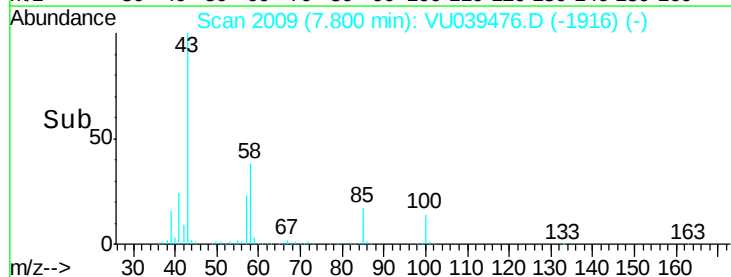
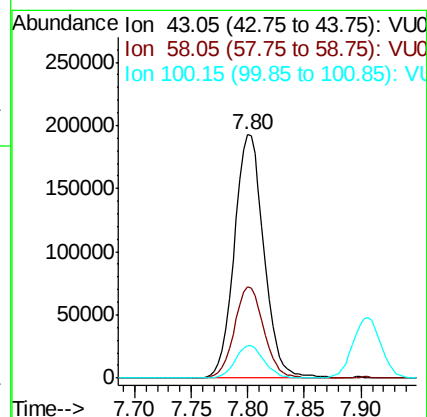
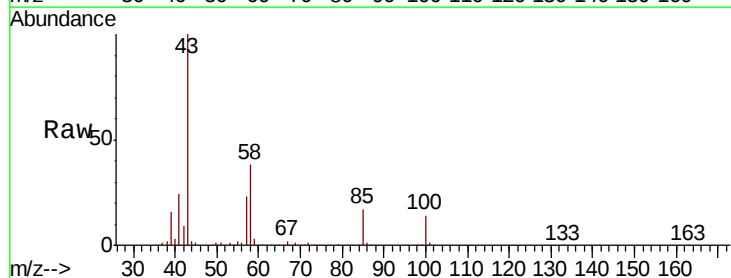
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

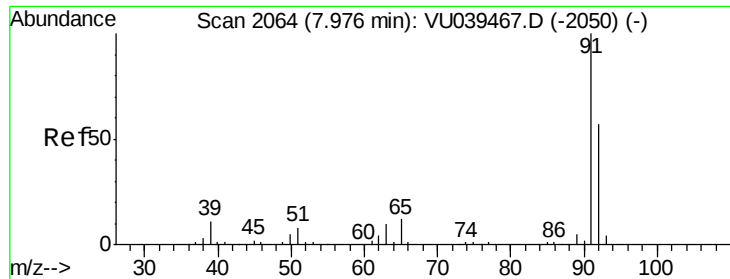
Tot Ion: 75 Resp: 65045
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 48.197 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion: 43 Resp: 350579
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.5 45.7
 100 13.2 10.3 15.5





#42

Toluene

Concen: 5.111 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

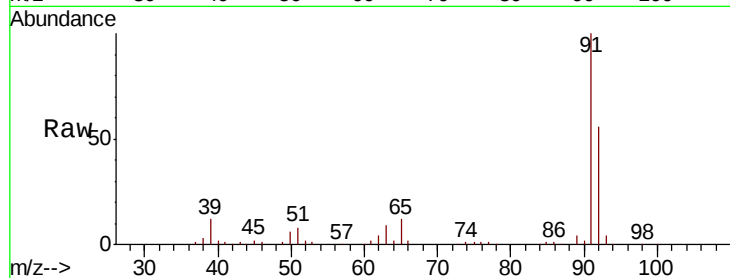
VSTD00519

Tot Ion: 91 Resp: 175041

Ion Ratio Lower Upper

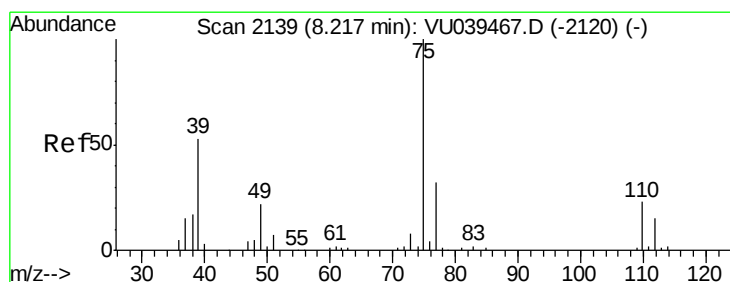
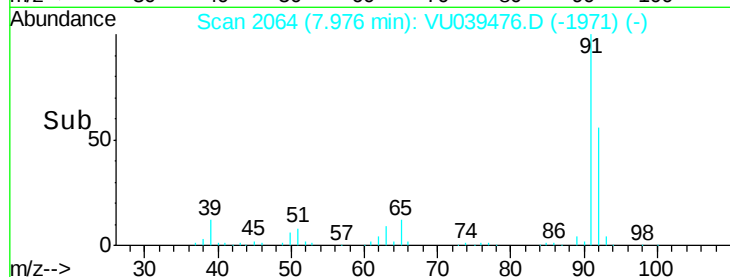
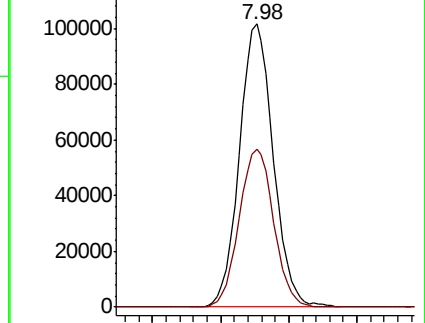
91 100

92 55.6 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039476.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039476.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.012 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039476.D

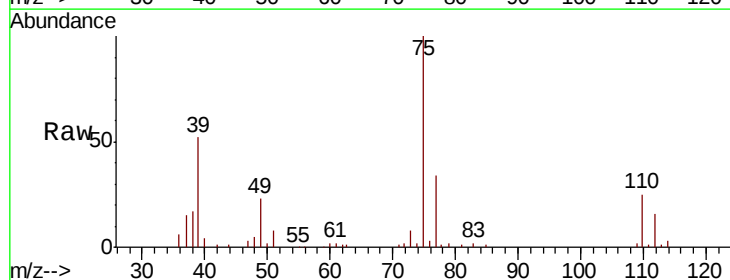
Acq: 14 Jul 2020 09:12

Tgt Ion: 75 Resp: 58607

Ion Ratio Lower Upper

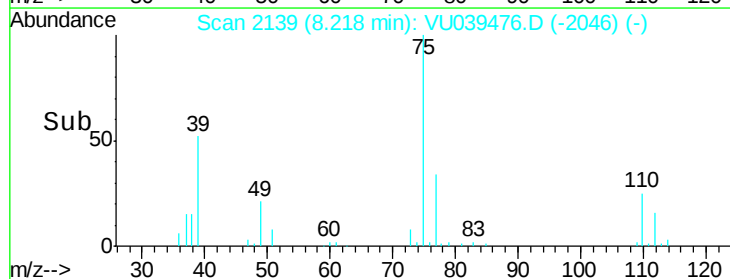
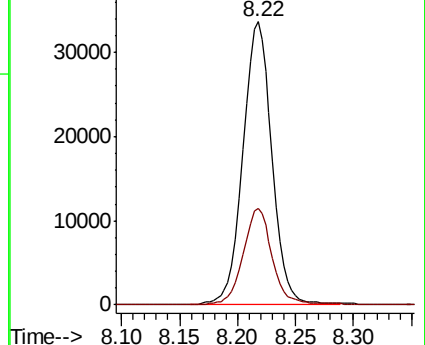
75 100

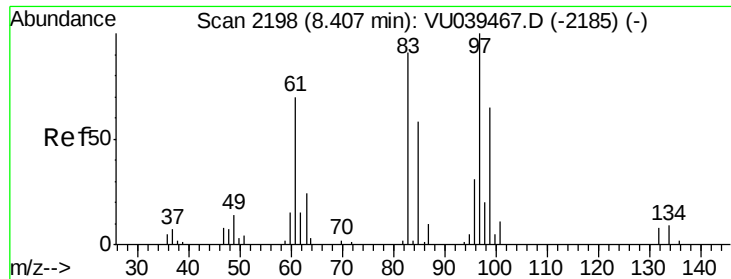
77 34.2 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039476.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039476.D (-2046) (-)

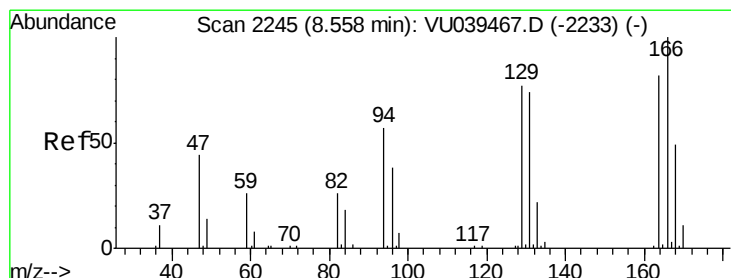
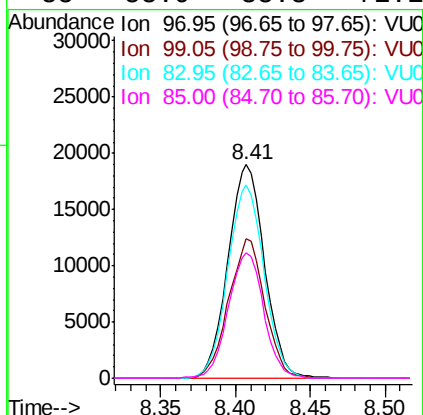
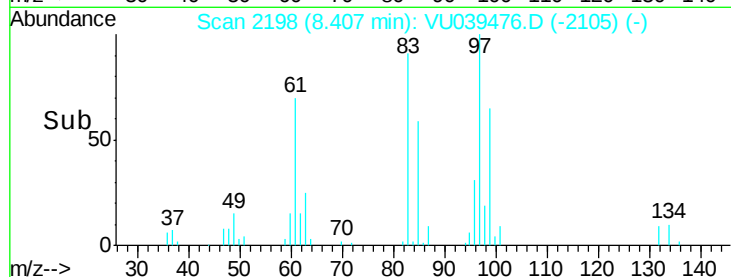
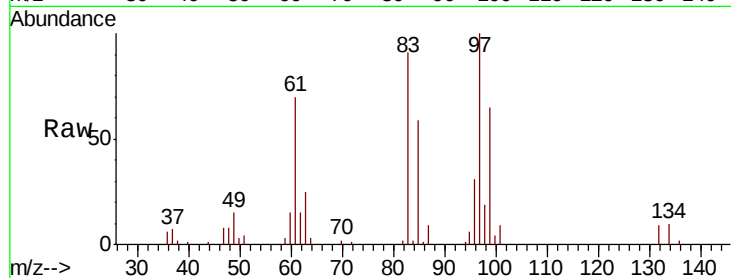




#45
 1,1,2-Trichloroethane
 Concen: 5.163 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

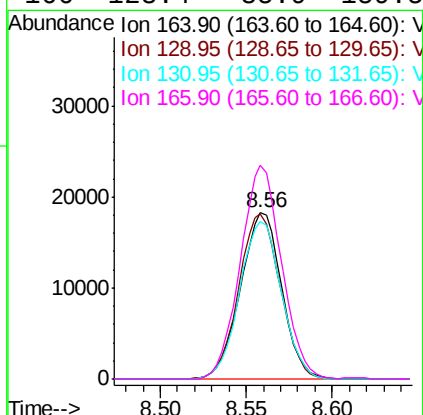
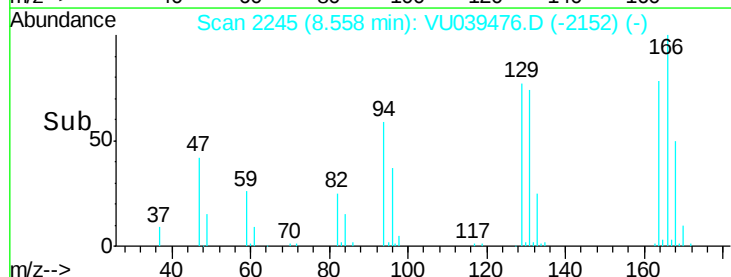
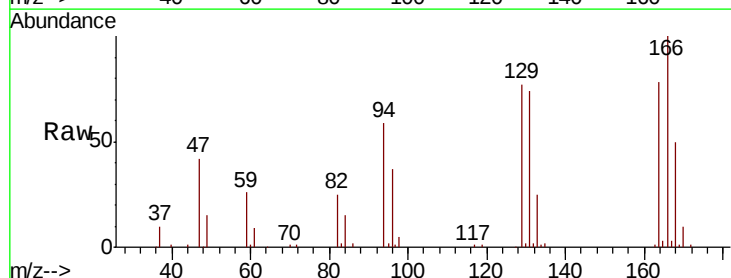
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

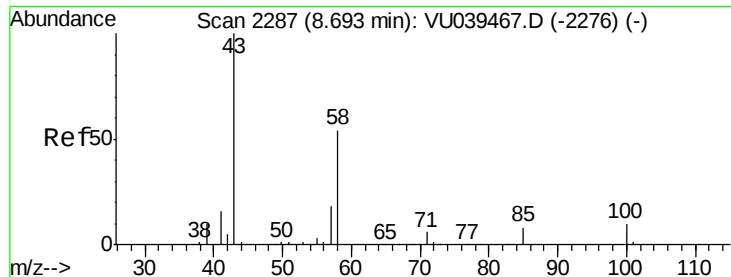
Tot Ion:	97	Resp:	32333
Ion	Ratio	Lower	Upper
97	100		
99	65.2	40.7	75.7
83	90.6	60.6	112.6
85	58.9	38.3	71.1



#47
 Tetrachloroethene
 Concen: 5.281 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion:	164	Resp:	30375
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.6	127.4
131	94.6	66.4	123.4
166	128.4	85.9	159.5

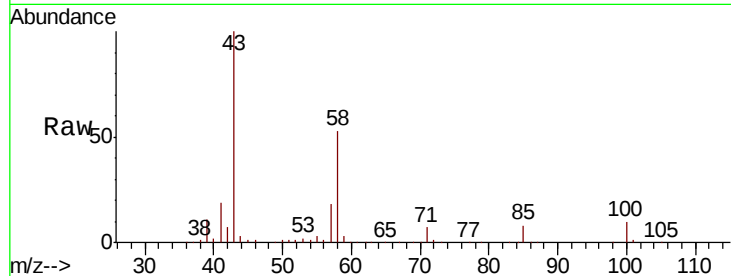




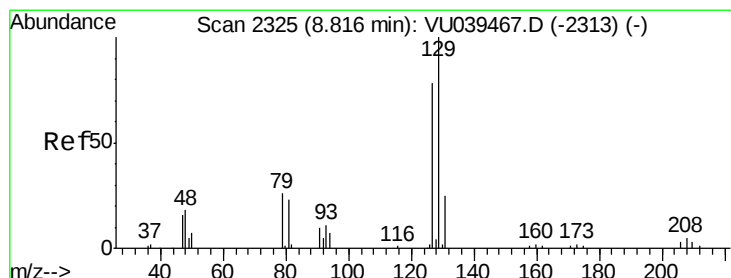
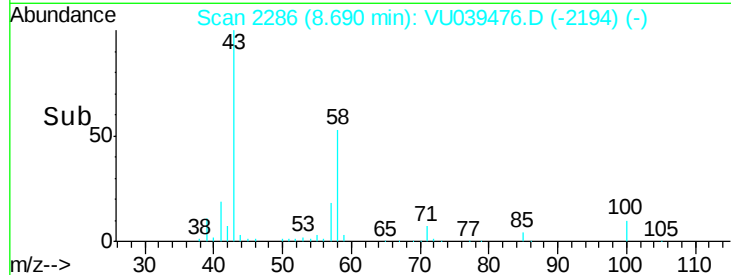
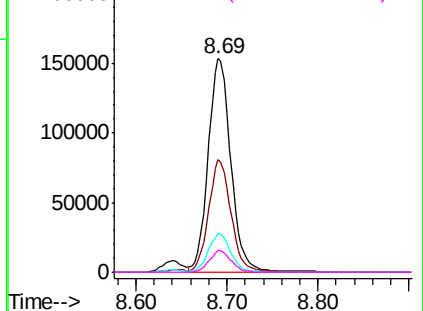
#48
2-Hexanone
Concen: 49.626 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 43 Resp: 266160
Ion Ratio Lower Upper
43 100
58 51.7 42.0 63.0
57 18.0 14.0 21.0
100 9.8 8.2 12.2

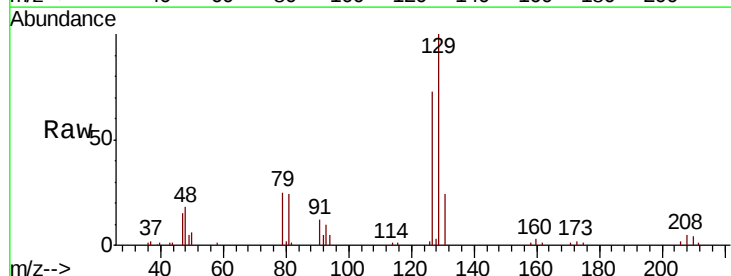


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

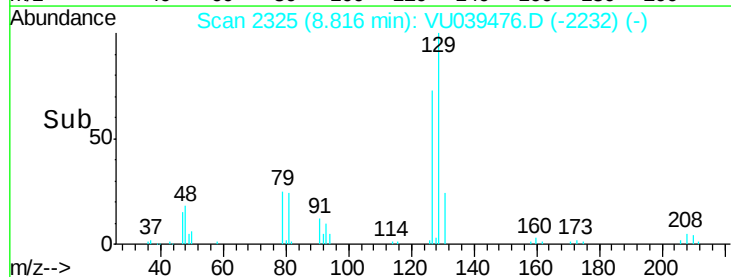
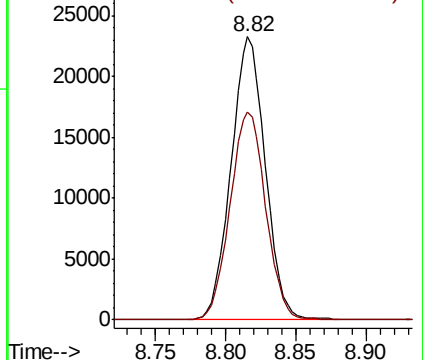


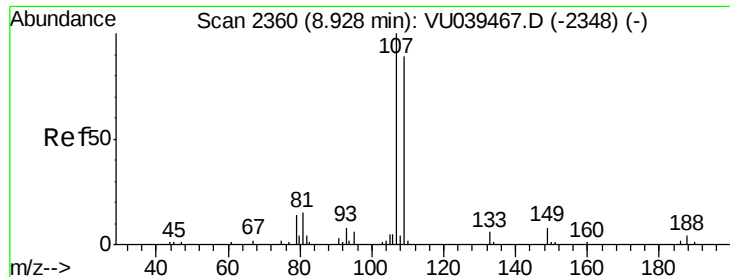
#49
Dibromochloromethane
Concen: 5.206 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion: 129 Resp: 39494
Ion Ratio Lower Upper
129 100
127 73.4 55.4 102.8



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

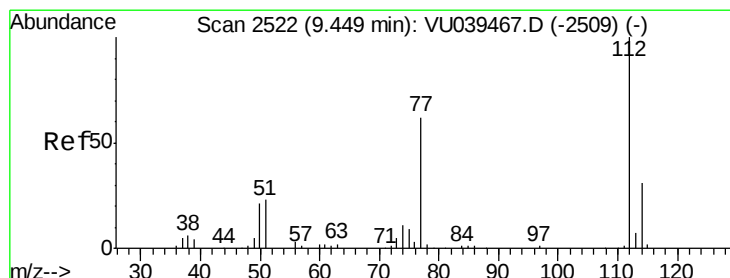
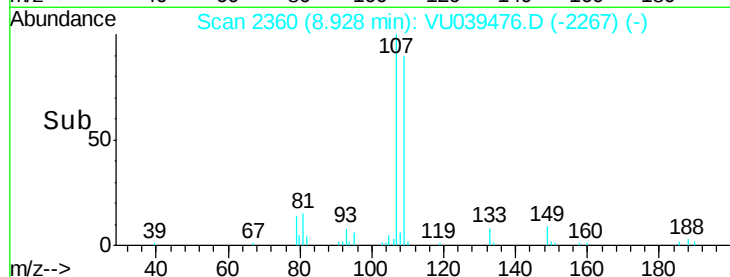
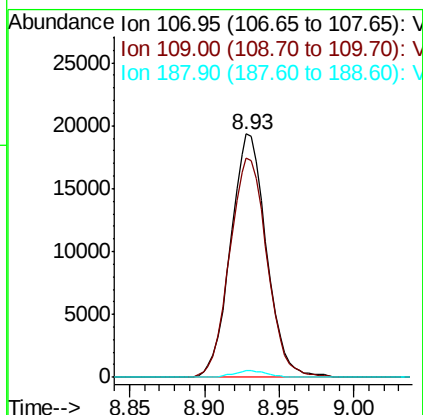
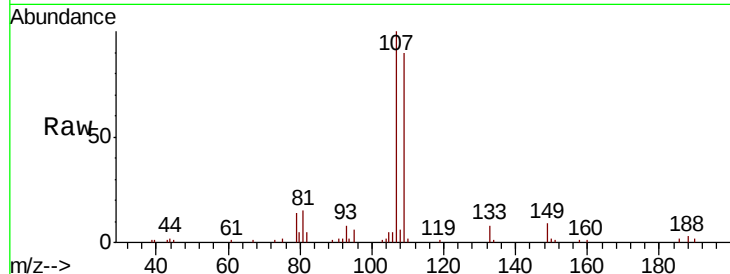




#50
1,2-Dibromoethane
Concen: 5.061 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

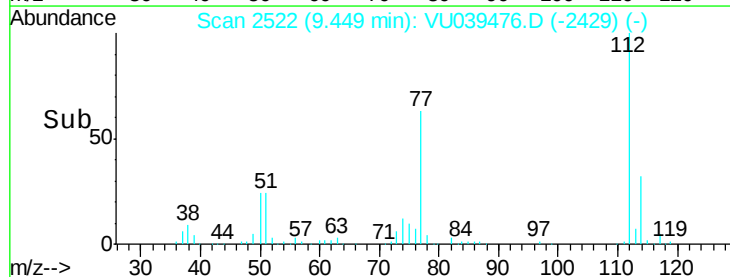
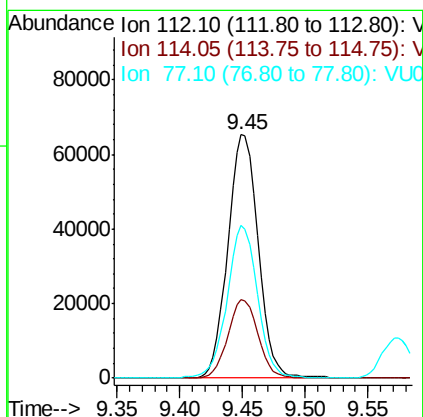
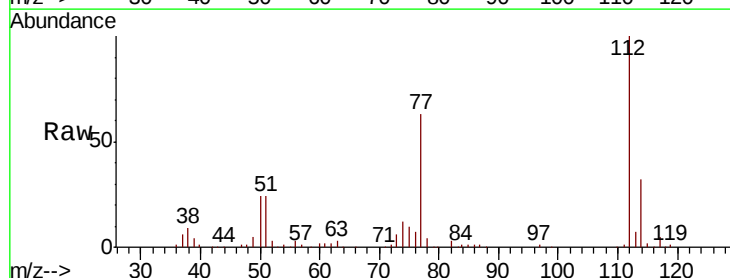
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

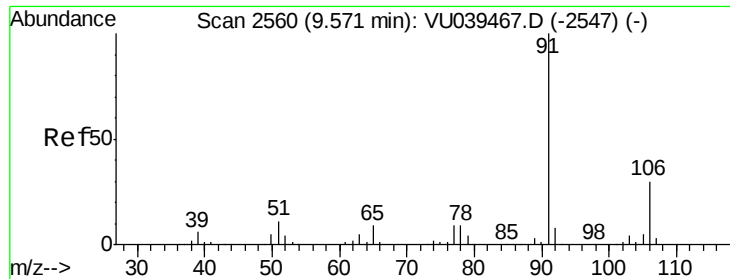
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	64.0	118.8
188	2.9	2.6	3.8



#51
Chlorobenzene
Concen: 5.260 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.1	41.1
77	62.9	49.9	74.9





#52

Ethylbenzene

Concen: 5.268 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

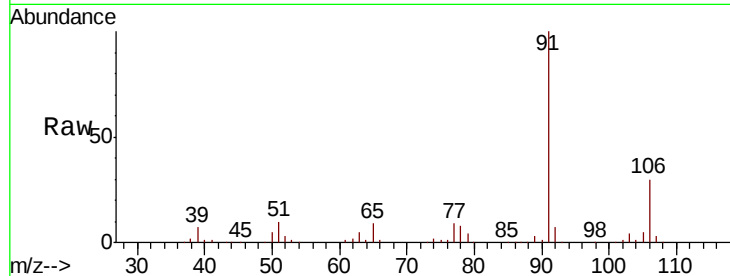
VSTD00519

Tot Ion: 91 Resp: 199405

Ion Ratio Lower Upper

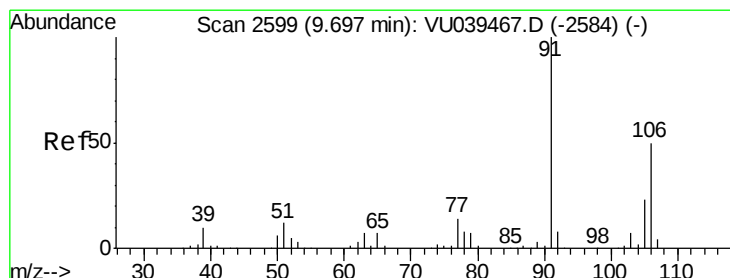
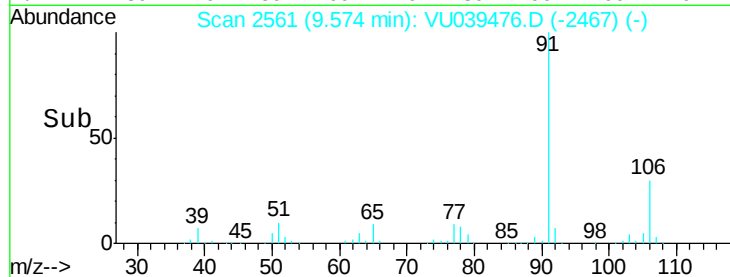
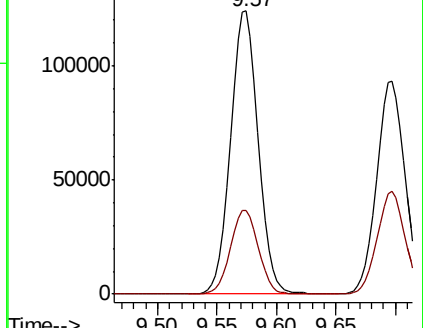
91 100

106 29.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039476.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039476.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.155 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039476.D

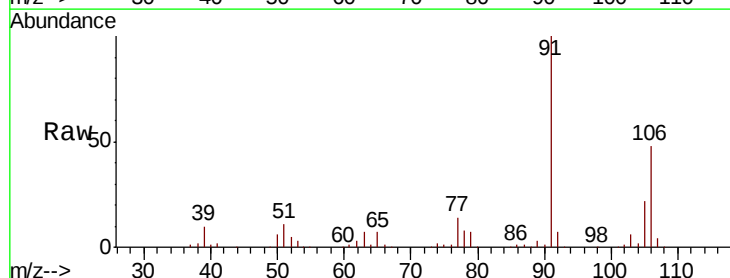
Acq: 14 Jul 2020 09:12

Tgt Ion: 106 Resp: 73527

Ion Ratio Lower Upper

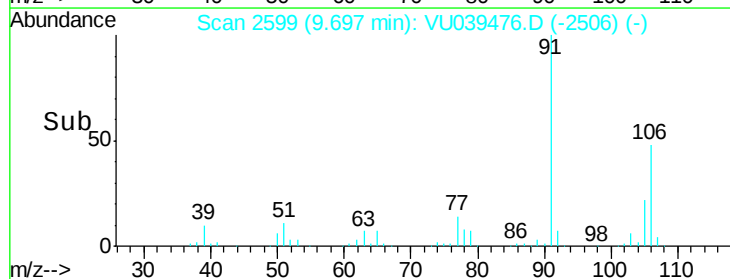
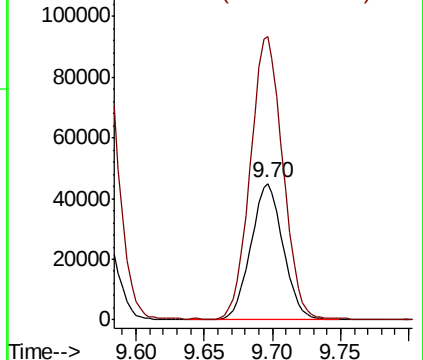
106 100

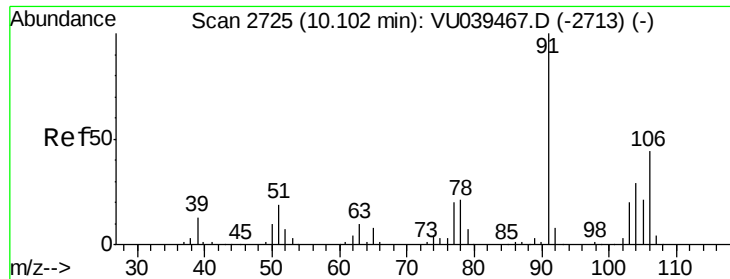
91 207.5 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039476.D (-2599) (-)

Ion 91.15 (90.85 to 91.85): VU039476.D (-2599) (-)

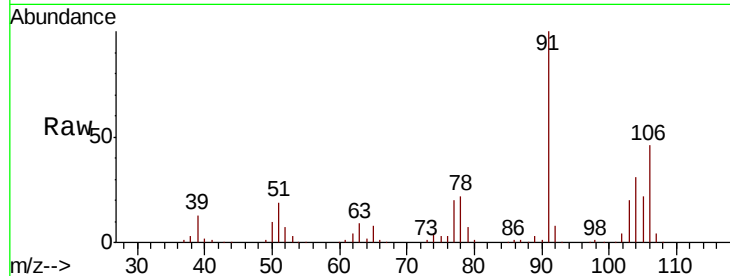




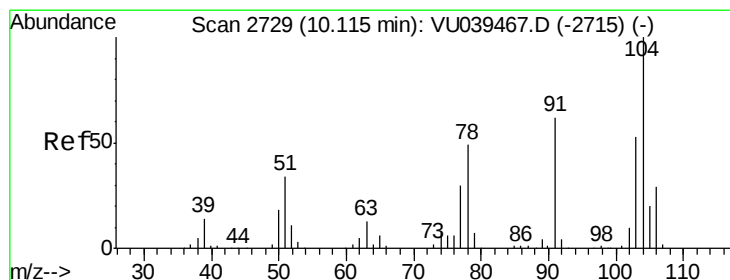
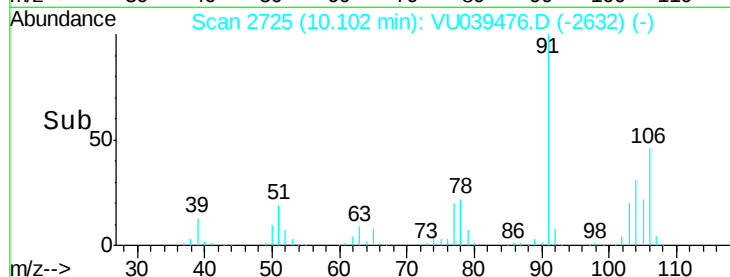
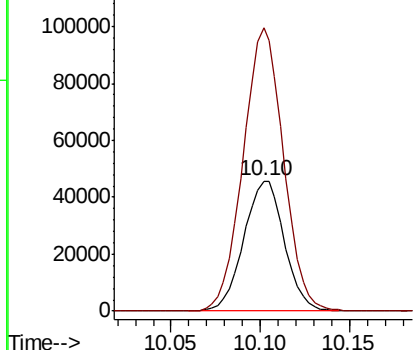
#54
o-Xylene
Concen: 5.261 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 73048
Ion Ratio Lower Upper
106 100
91 217.0 154.6 287.2

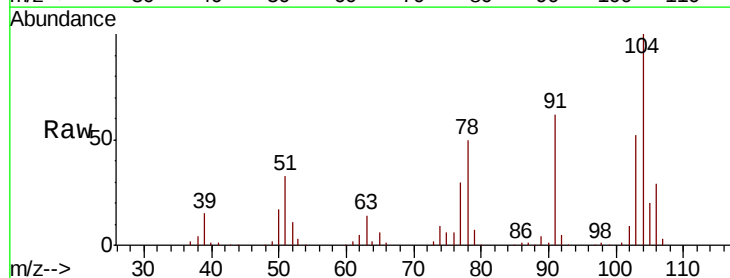


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

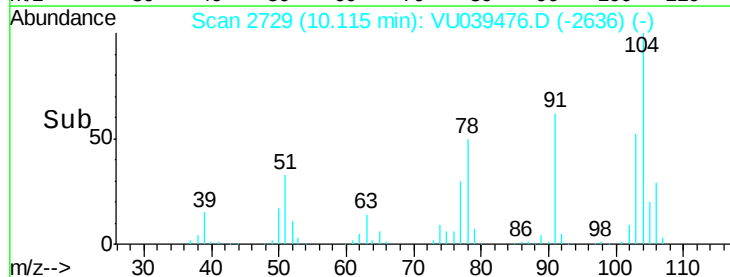
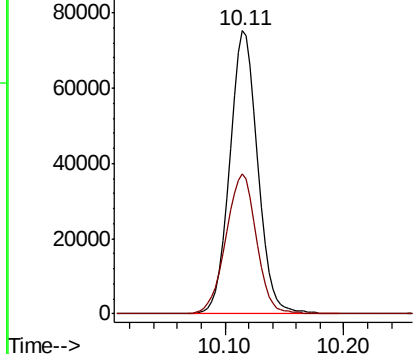


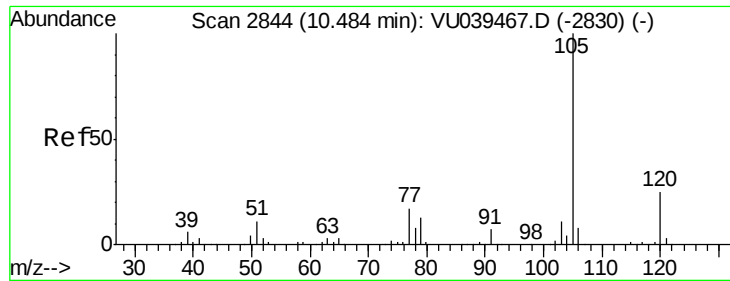
#55
Styrene
Concen: 5.065 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039476.D
Acq: 14 Jul 2020 09:12

Tgt Ion:104 Resp: 122371
Ion Ratio Lower Upper
104 100
78 49.6 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.271 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

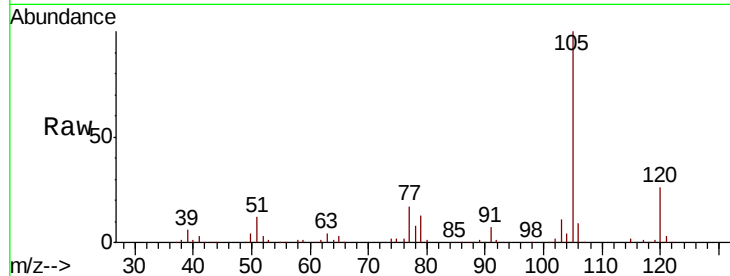
Tot Ion:105 Resp: 197927

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

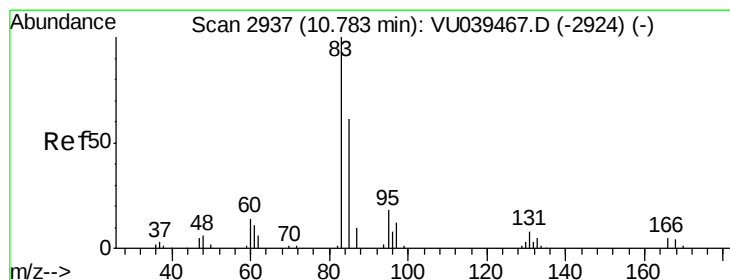
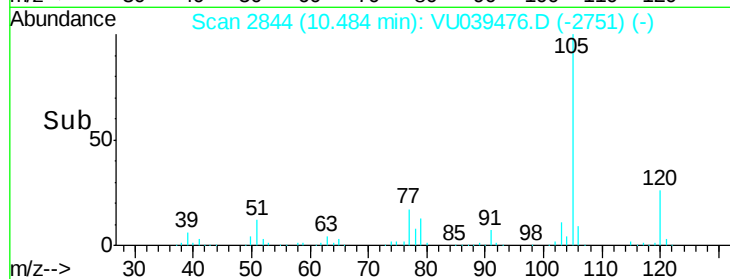
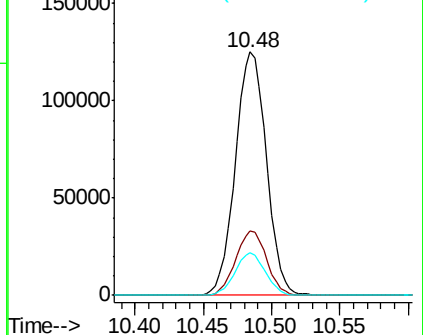
77 16.9 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.063 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

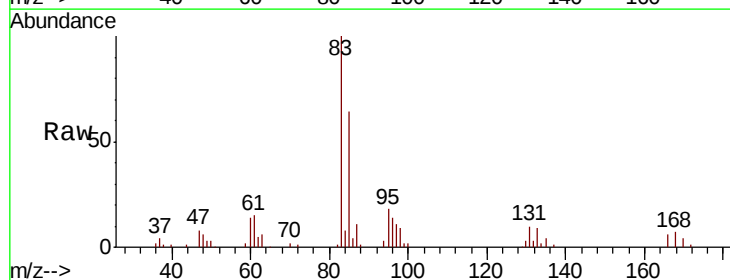
Tgt Ion: 83 Resp: 44138

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7

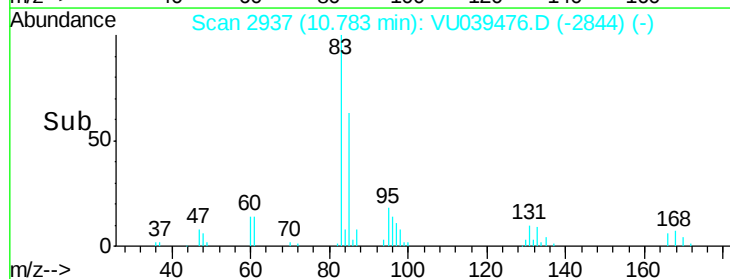
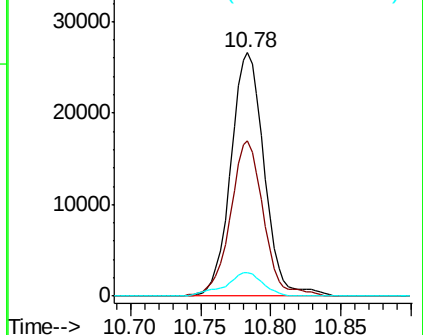
131 9.7 7.4 11.0

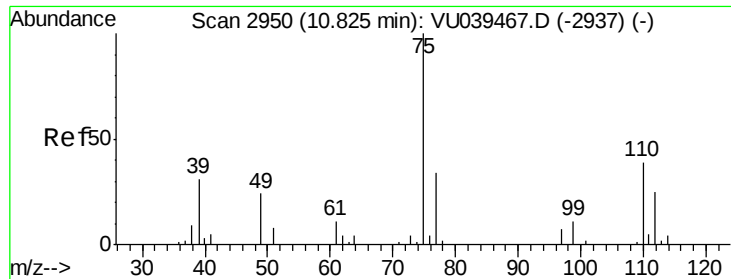


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.028 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

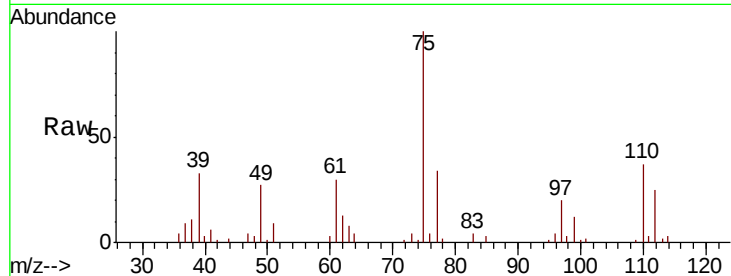
VSTD00519

Tot Ion: 75 Resp: 32313

Ion Ratio Lower Upper

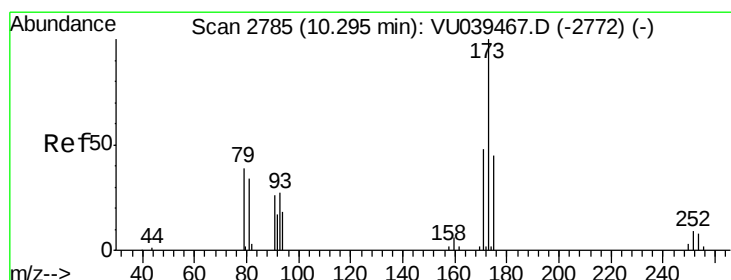
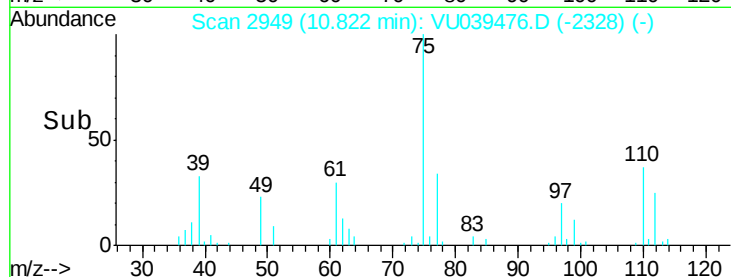
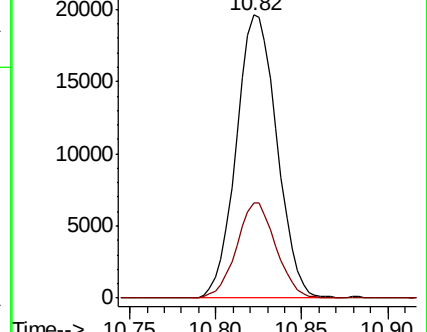
75 100

77 32.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039476.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039476.D (-2937) (-)



#61

Bromoform

Concen: 5.001 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

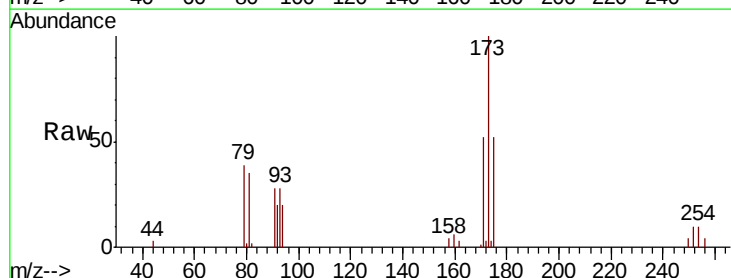
Tgt Ion: 173 Resp: 22771

Ion Ratio Lower Upper

173 100

175 49.0 37.5 56.3

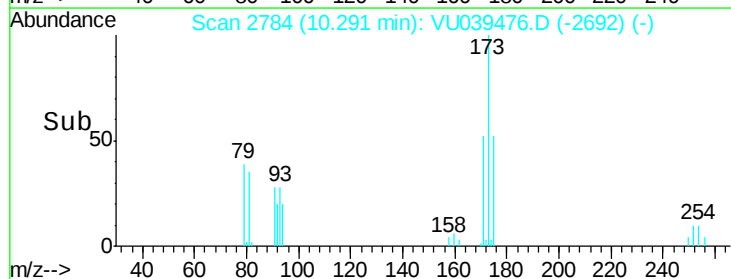
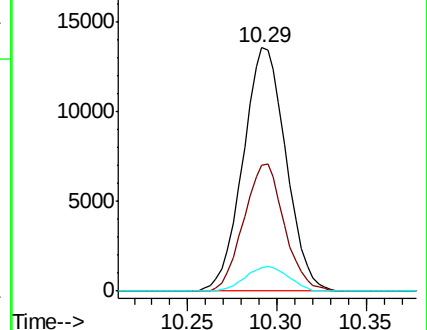
254 10.1 6.7 10.1#

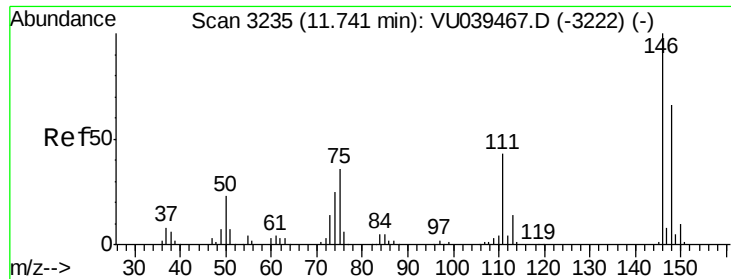


Abundance Ion 172.90 (172.60 to 173.60): VU039476.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VU039476.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VU039476.D (-2692) (-)





#62

1,3-Dichlorobenzene

Concen: 5.101 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

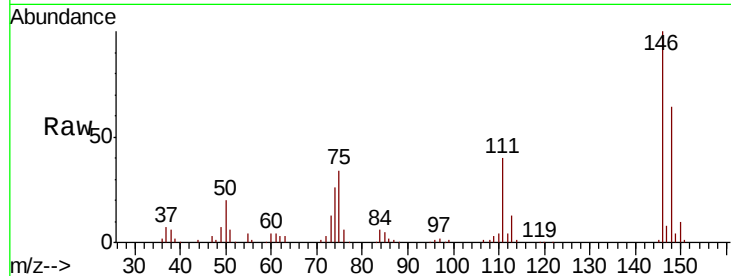
Tot Ion:146 Resp: 86360

Ion Ratio Lower Upper

146 100

111 39.8 29.0 53.8

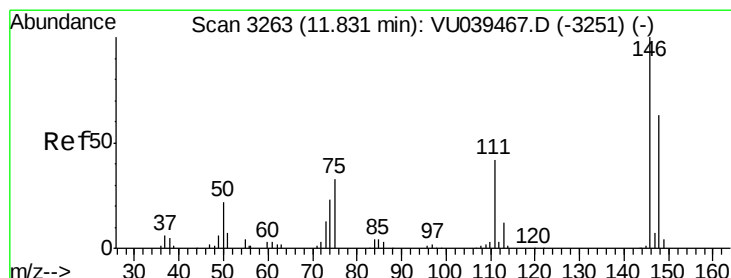
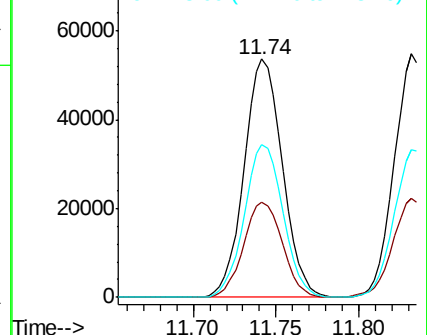
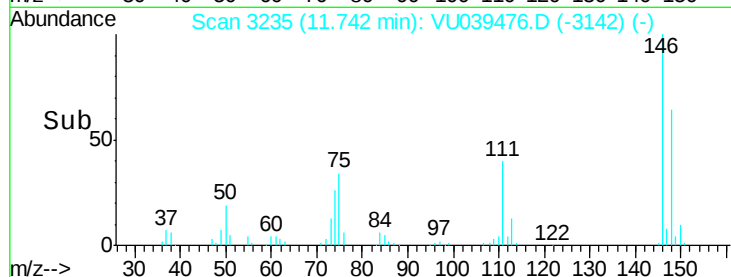
148 64.2 43.5 80.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.007 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

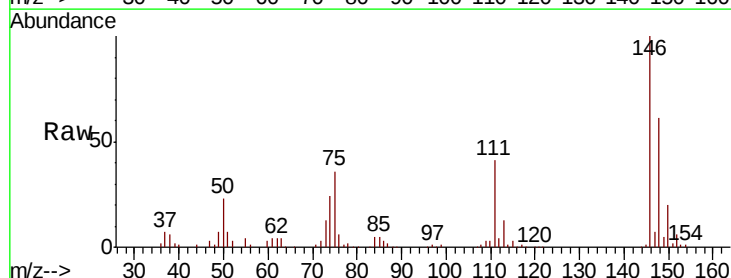
Tgt Ion:146 Resp: 85048

Ion Ratio Lower Upper

146 100

111 40.9 28.6 53.0

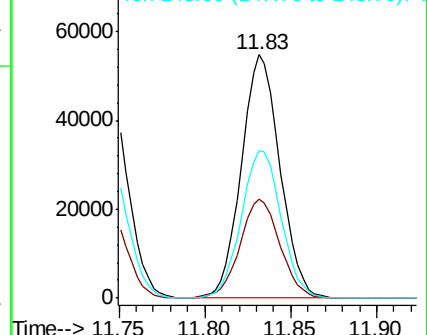
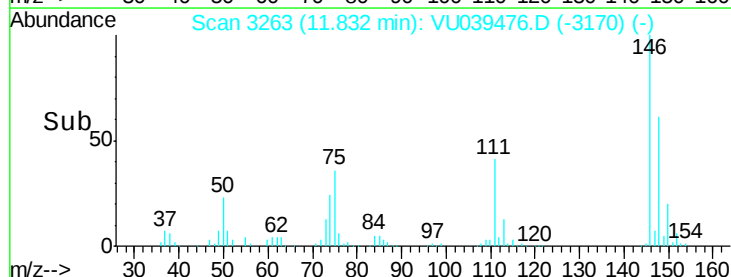
148 60.7 45.0 83.6

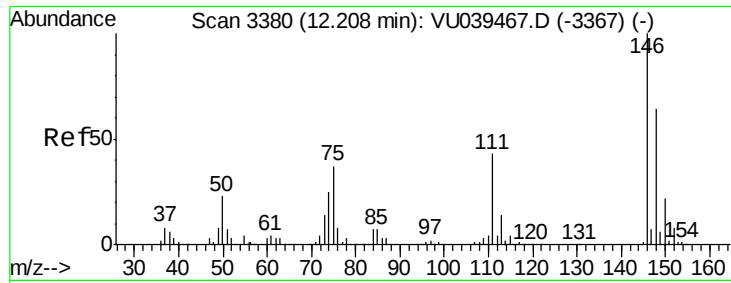


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

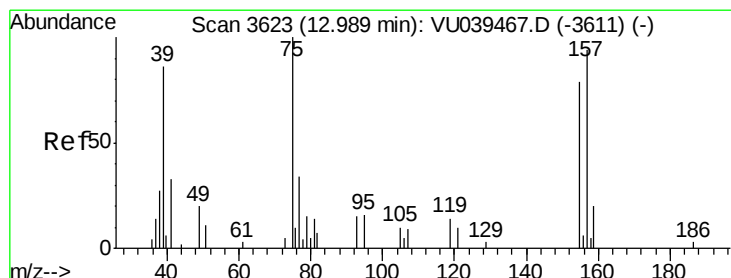
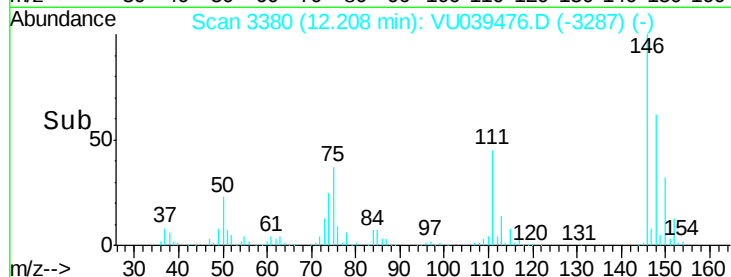
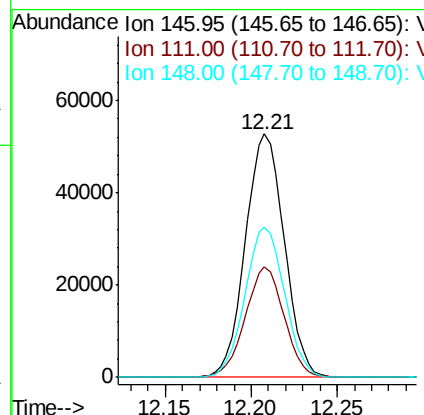
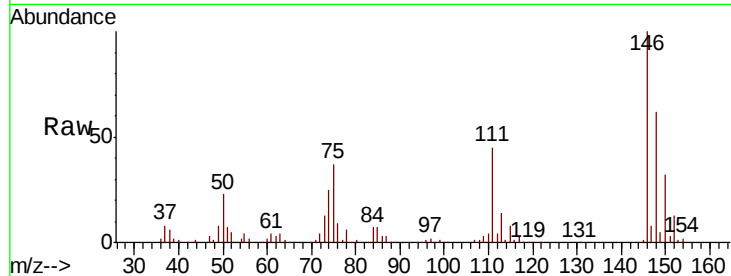




#65
 1,2-Dichlorobenzene
 Concen: 4.886 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

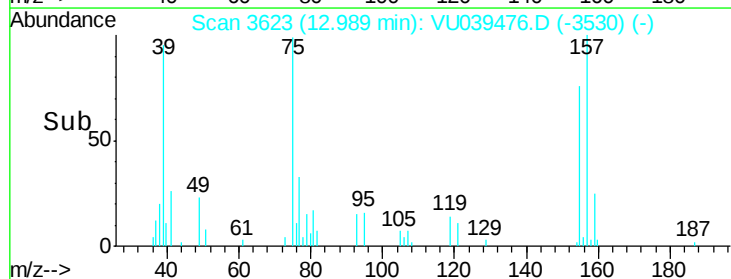
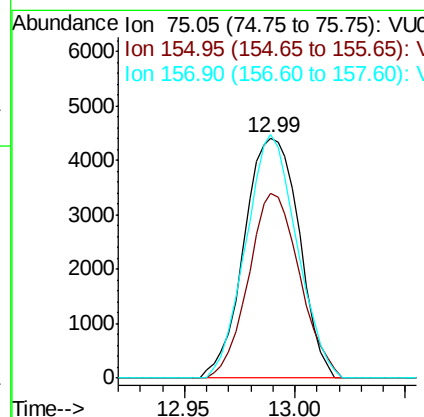
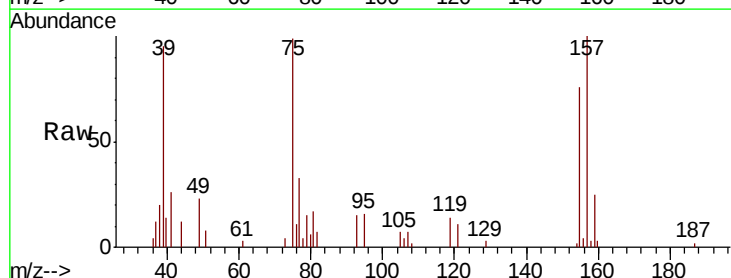
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

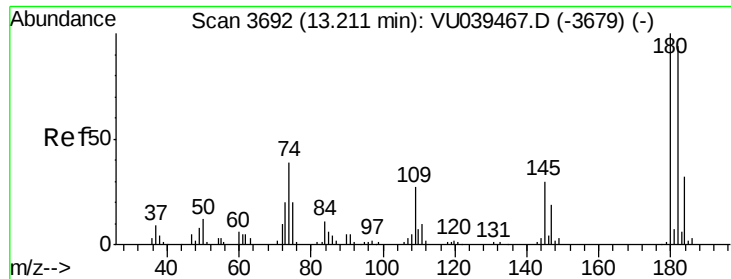
Tot Ion:146 Resp: 82932
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.0 52.4
 148 61.7 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.047 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion: 75 Resp: 7567
 Ion Ratio Lower Upper
 75 100
 155 77.0 51.9 77.9
 157 101.4 63.2 94.8#

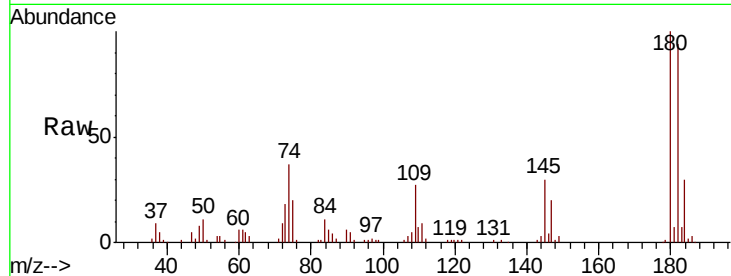




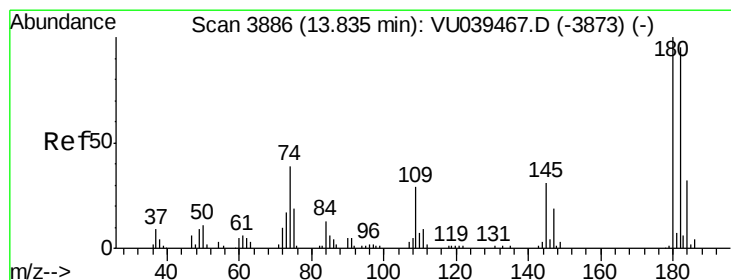
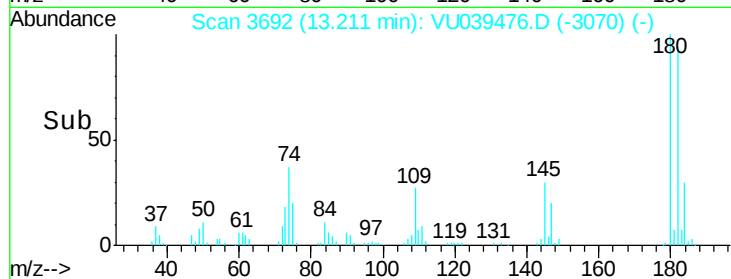
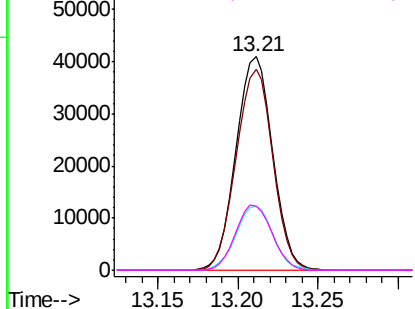
#67
 1,3,5-Trichlorobenzene
 Concen: 5.018 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:180 Resp: 63572
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 184 30.3 24.2 36.4
 145 30.6 24.2 36.2

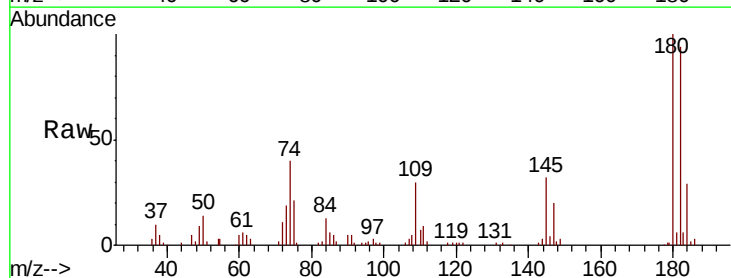


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

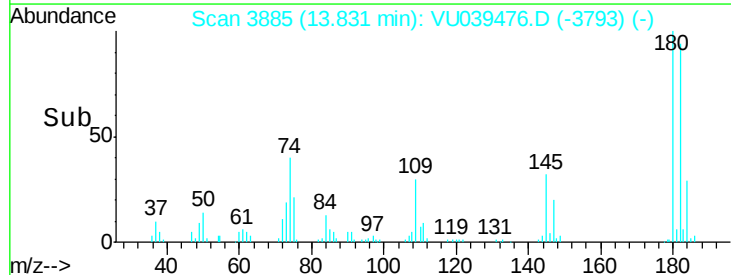
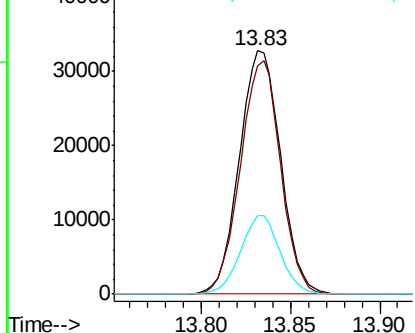


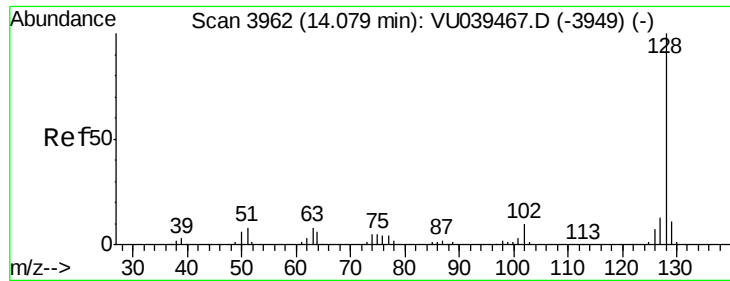
#68
 1,2,4-trichlorobenzene
 Concen: 4.884 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039476.D
 Acq: 14 Jul 2020 09:12

Tgt Ion:180 Resp: 52954
 Ion Ratio Lower Upper
 180 100
 182 93.4 79.4 119.2
 145 31.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.272 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

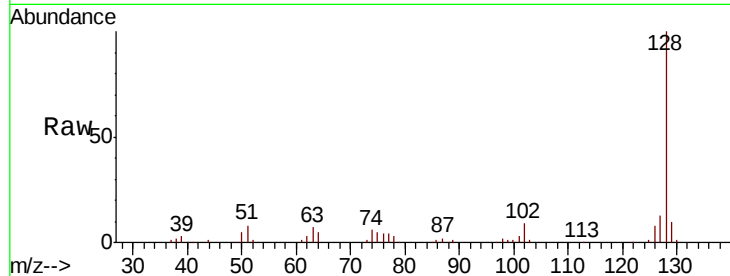
Tot Ion:128 Resp: 93205

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

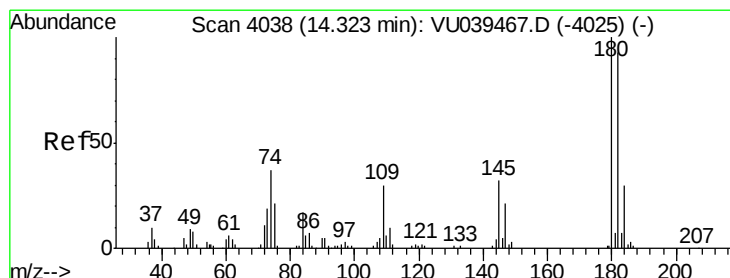
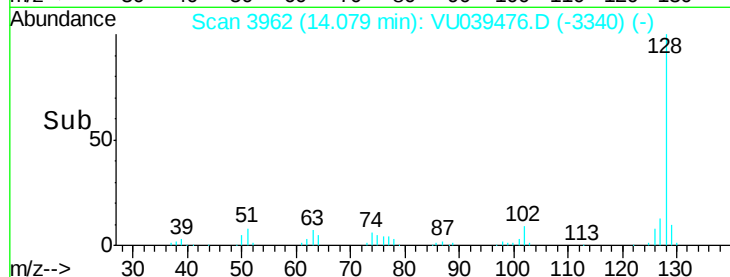
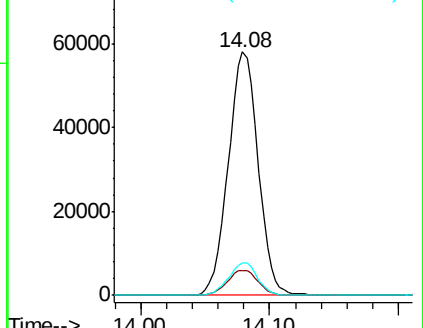
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.592 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039476.D

Acq: 14 Jul 2020 09:12

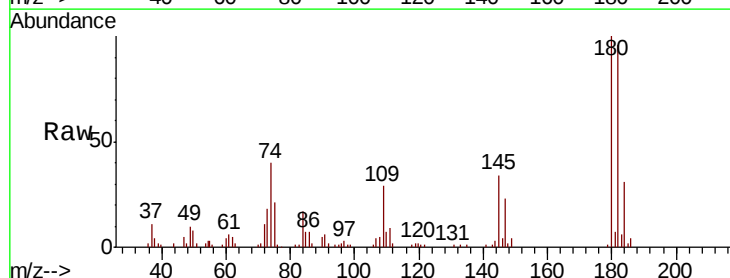
Tgt Ion:180 Resp: 46134

Ion Ratio Lower Upper

180 100

182 94.8 74.2 111.2

145 33.1 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

