

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039943.D
 Acq On : 21 Aug 2020 21:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Aug 22 00:51:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	74760	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77666	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31462	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.92	69	29578	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.58	63	60501	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.66	46	116464	55.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.62%
24) Chloroform-d	5.08	84	65517	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.72	65	35895	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.75	84	113496	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	37688	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	100295	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.19	79	15384	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	87872	54.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35420	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	43021	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	39026	5.022 ug/L	100
3) Chloromethane	1.53	50	39238	4.463 ug/L	93
5) Vinyl chloride	1.61	62	42933	5.162 ug/L	96
6) Bromomethane	1.86	94	14449	3.043 ug/L	94
8) Chloroethane	1.94	64	28308	5.322 ug/L	99
9) Trichlorofluoromethane	2.15	101	66776	5.367 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	33349	4.872 ug/L	97
12) 1,1-Dichloroethene	2.59	96	30389	4.647 ug/L	98
13) Acetone	2.67	43	70150	49.194 ug/L #	43
14) Carbon disulfide	2.81	76	108283	5.124 ug/L	98
15) Methyl Acetate	2.97	43	18809	5.138 ug/L	98
16) Methylene chloride	3.06	84	42670	4.746 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	86761	5.262 ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	35729	5.262 ug/L	92
19) 1,1-Dichloroethane	3.89	63	70680	5.614 ug/L	96
21) 2-Butanone	4.74	43	121502	49.038 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	38445	5.408 ug/L	96

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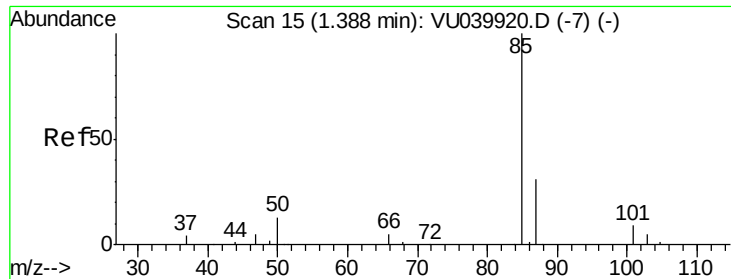
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	17023	5.091	ug/L	91
25) Chloroform	5.11	83	70243	5.505	ug/L	97
27) 1,2-Dichloroethane	5.81	62	45431	5.074	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	58597	5.129	ug/L	99
30) Cyclohexane	5.41	56	61089	5.401	ug/L	96
31) Carbon tetrachloride	5.54	117	48786	4.837	ug/L	100
33) Benzene	5.79	78	151122	5.354	ug/L	100
34) Trichloroethene	6.56	95	35127	4.796	ug/L	96
35) Methylcyclohexane	6.77	83	53134	4.735	ug/L	98
37) 1,2-Dichloropropane	6.80	63	38812	5.174	ug/L #	97
38) Bromodichloromethane	7.12	83	49232	5.165	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	51997	4.960	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	271366	45.684	ug/L	99
42) Toluene	7.98	91	154555	5.354	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	47709	4.843	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	29479	5.172	ug/L	98
47) Tetrachloroethene	8.56	164	26674	4.936	ug/L	97
48) 2-Hexanone	8.69	43	205312	48.232	ug/L	98
49) Dibromochloromethane	8.82	129	33121	4.868	ug/L	96
50) 1,2-Dibromoethane	8.93	107	27751	5.113	ug/L #	95
51) Chlorobenzene	9.45	112	98886	5.247	ug/L	100
52) Ethylbenzene	9.57	91	167429	5.333	ug/L	97
53) m,p-Xylene	9.70	106	63798	5.294	ug/L	98
54) o-Xylene	10.10	106	61471	5.396	ug/L	100
55) Styrene	10.11	104	105475	5.341	ug/L	99
56) Isopropylbenzene	10.48	105	162438	5.319	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	36575	4.970	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	24864	4.627	ug/L	97
61) Bromoform	10.29	173	18050	5.054	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	76174	5.074	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	79224	5.182	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	73341	5.062	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5702	4.812	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	55877	5.011	ug/L	94
68) 1,2,4-trichlorobenzene	13.83	180	47784	5.024	ug/L	99
69) Naphthalene	14.08	128	93693	5.332	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	43800	4.927	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.022 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039943.D

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ClientSampleId :

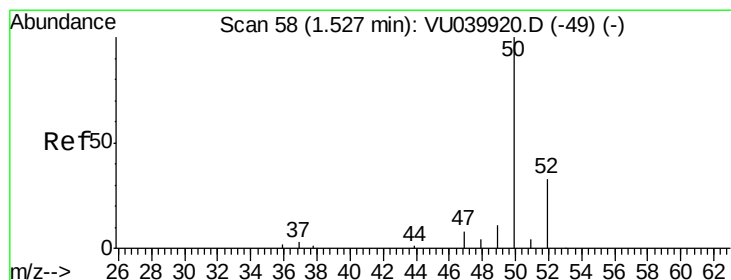
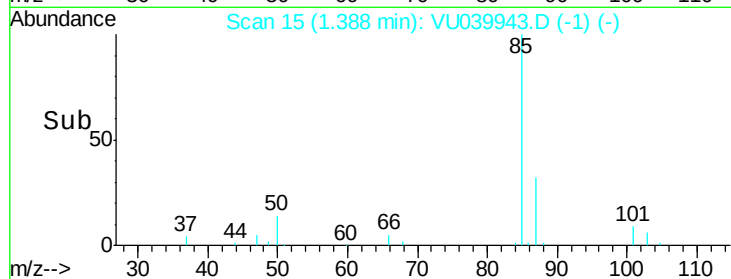
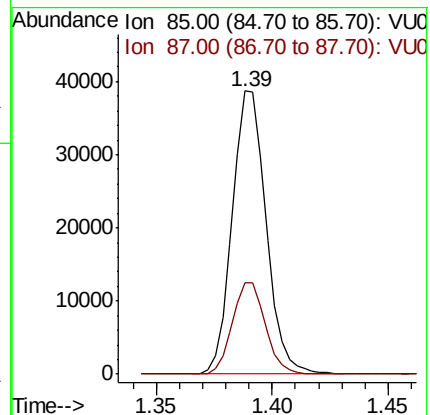
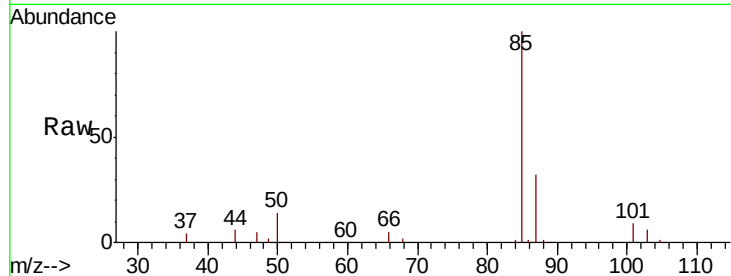
VSTD00529

Tot Ion: 85 Resp: 39026

Ion Ratio Lower Upper

85 100

87 31.3 25.2 37.8



#3

Chloromethane

Concen: 4.463 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039943.D

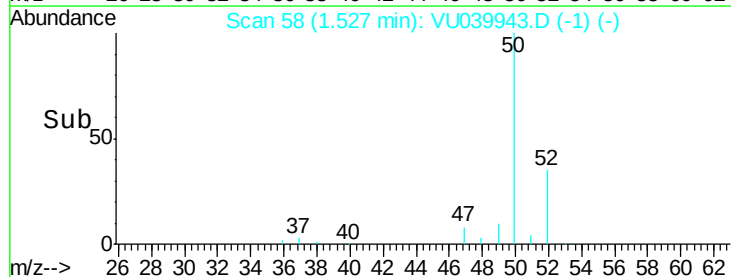
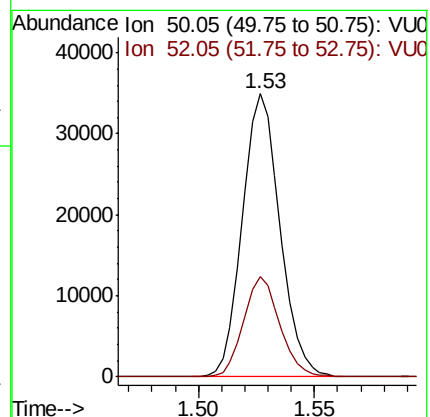
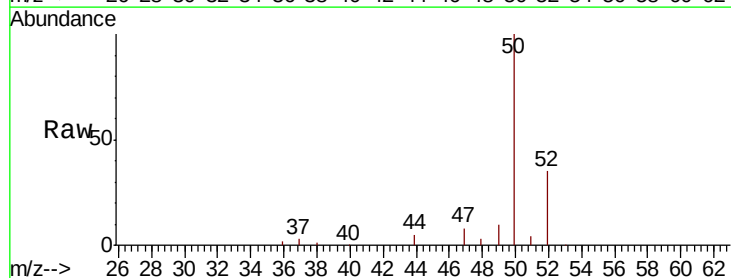
Acq: 21 Aug 2020 21:15

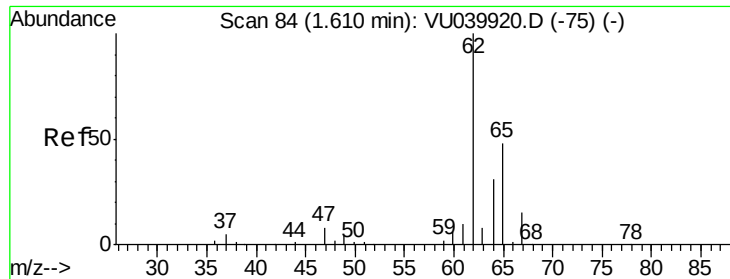
Tgt Ion: 50 Resp: 39238

Ion Ratio Lower Upper

50 100

52 35.3 21.9 40.7





#5

Vinyl chloride

Concen: 5.162 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

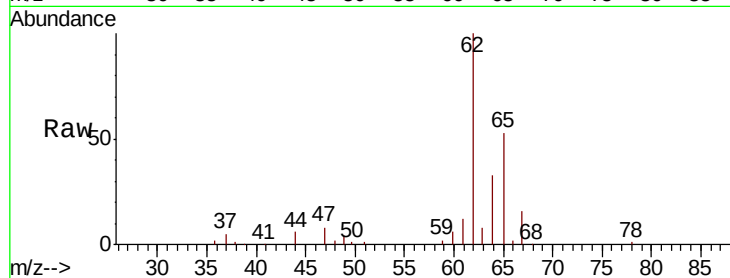
VSTD00529

Tot Ion: 62 Resp: 42933

Ion Ratio Lower Upper

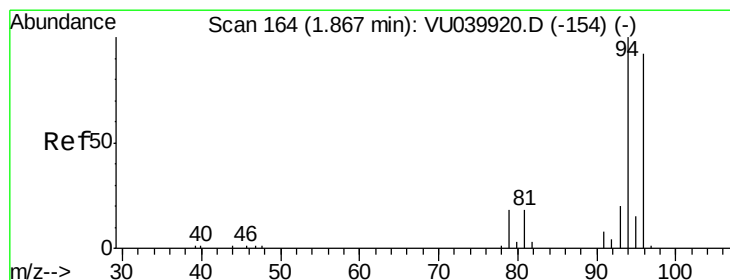
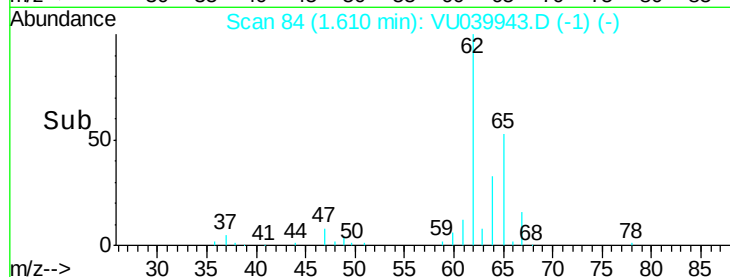
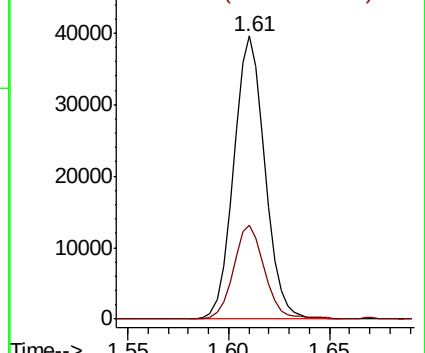
62 100

64 33.3 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.043 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039943.D

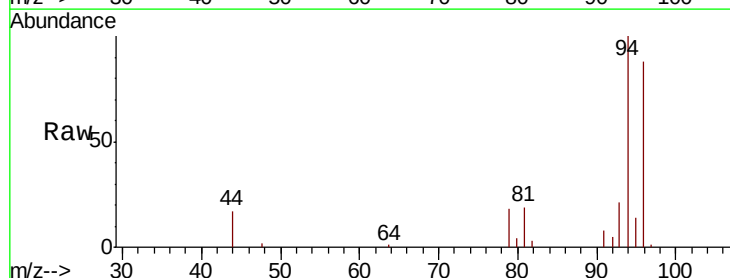
Acq: 21 Aug 2020 21:15

Tgt Ion: 94 Resp: 14449

Ion Ratio Lower Upper

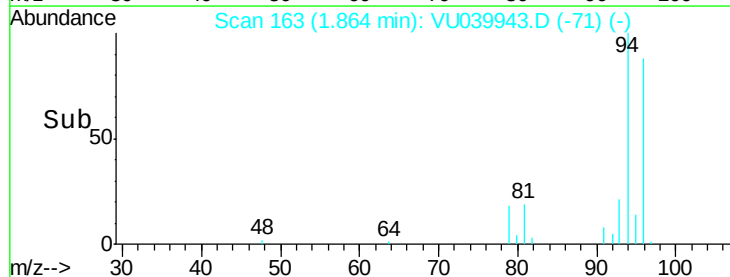
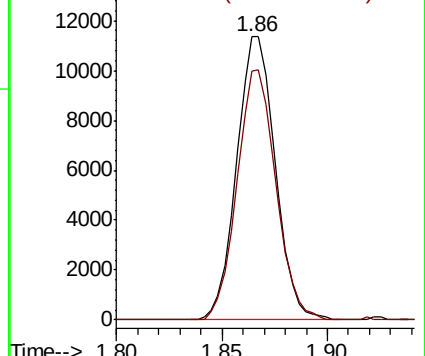
94 100

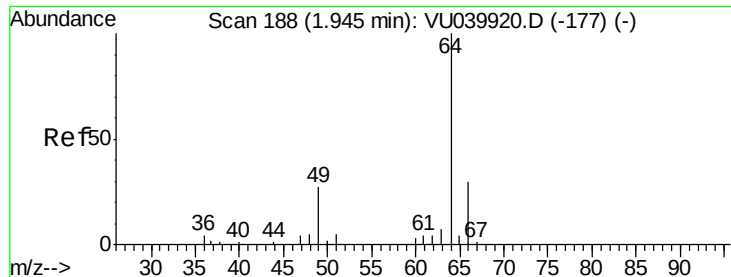
96 88.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

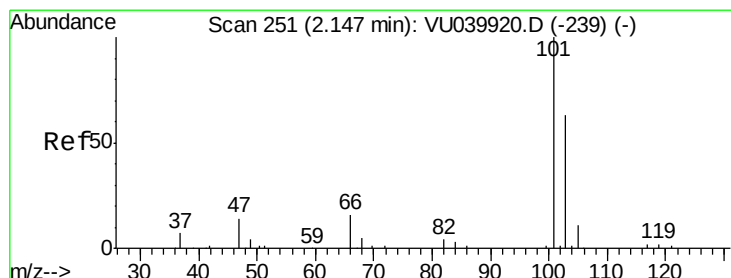
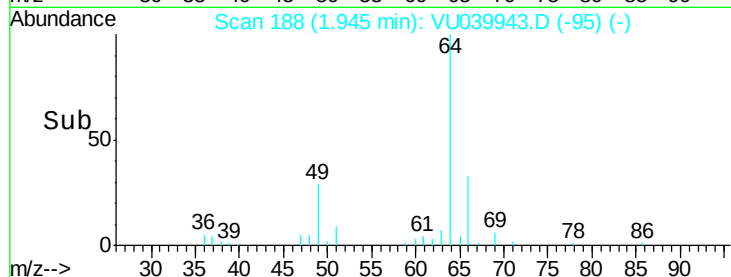
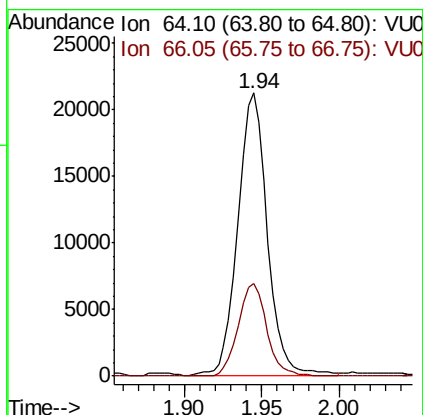
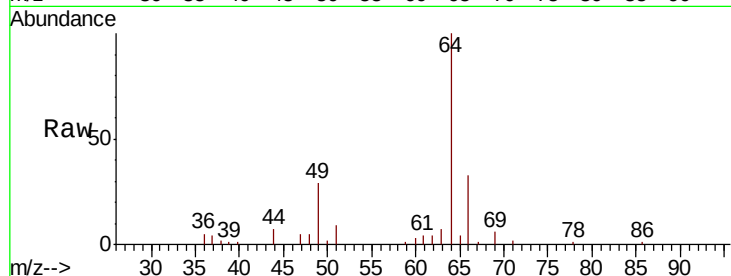




#8
Chloroethane
Concen: 5.322 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

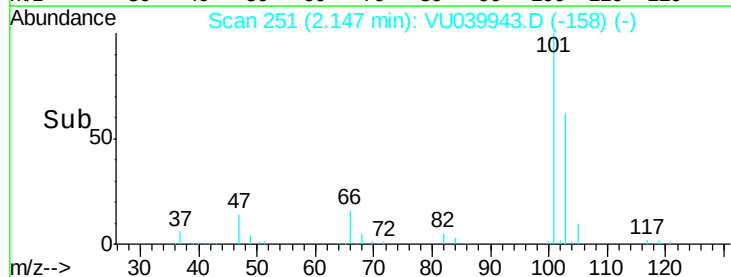
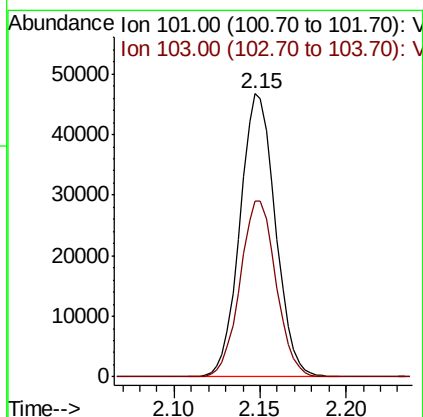
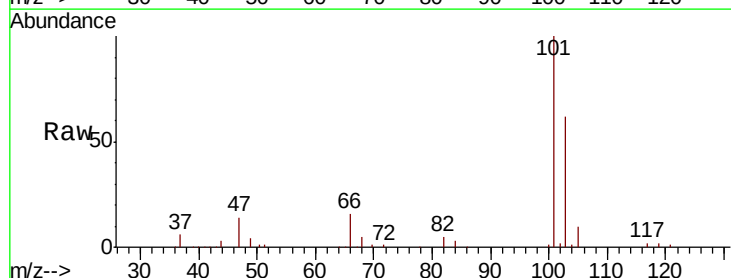
Instrument :
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VSTD00529

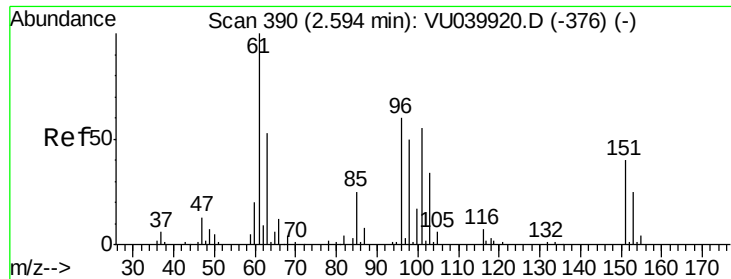
Tot Ion: 64 Resp: 28308
Ion Ratio Lower Upper
64 100
66 32.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.367 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Tgt Ion:101 Resp: 66776
Ion Ratio Lower Upper
101 100
103 62.8 51.0 76.4





#10

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

Concen: 4.872 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

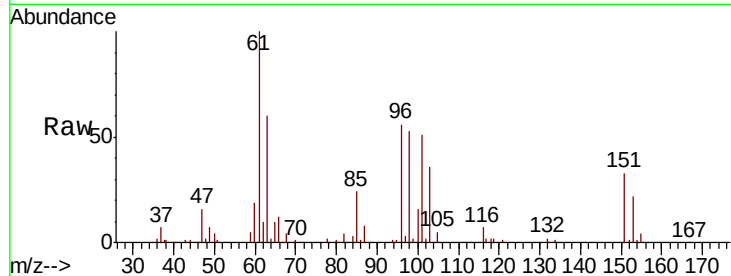
Tot Ion:101 Resp: 33349

Ion Ratio Lower Upper

101 100

85 46.6 34.5 51.7

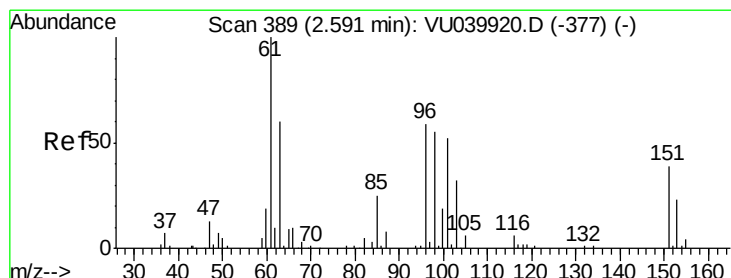
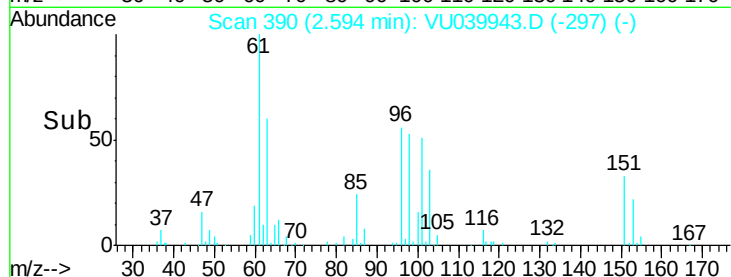
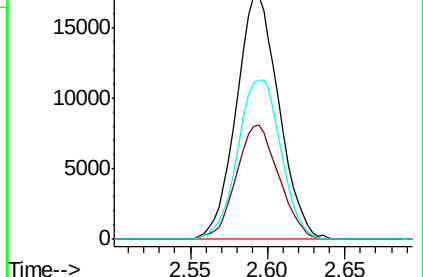
151 66.2 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): VU039943.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU039943.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU039943.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.647 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

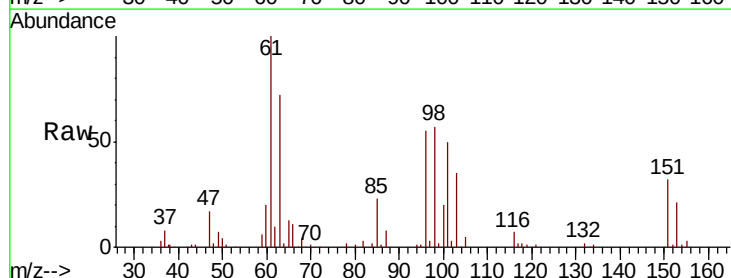
Tgt Ion: 96 Resp: 30389

Ion Ratio Lower Upper

96 100

61 180.4 126.8 235.4

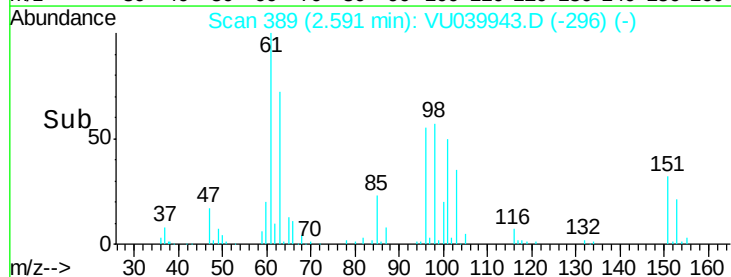
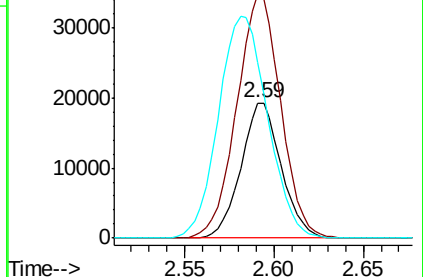
63 130.2 88.6 164.6

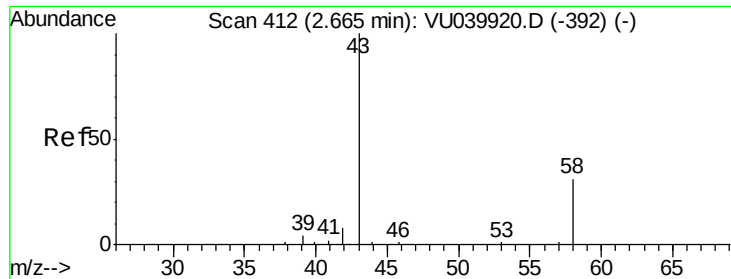


Abundance Ion 96.00 (95.70 to 96.70): VU039943.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU039943.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039943.D (-296) (-)





#13

Acetone

Concen: 49.194 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

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ClientSampleId :

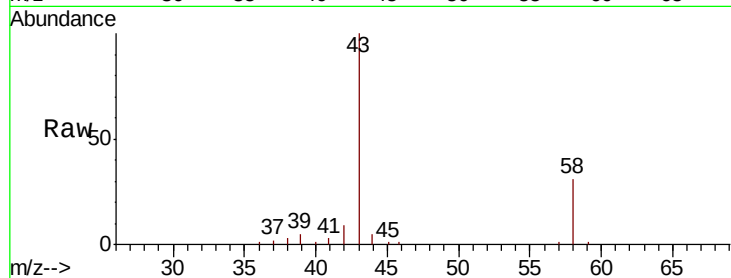
VSTD00529

Tot Ion: 43 Resp: 70150

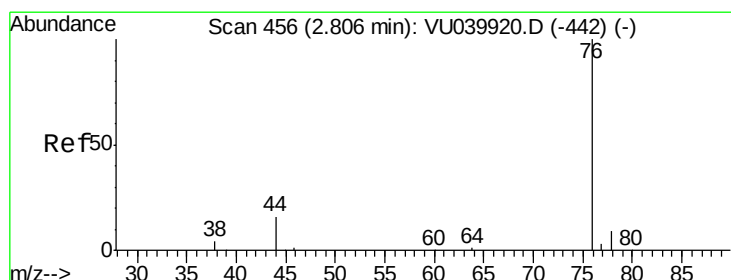
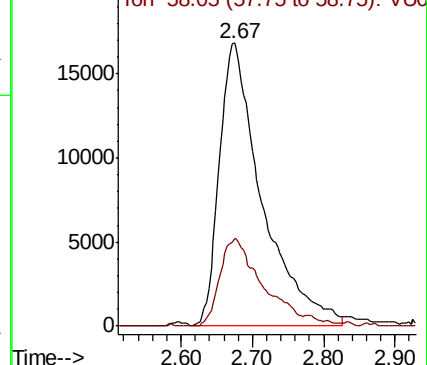
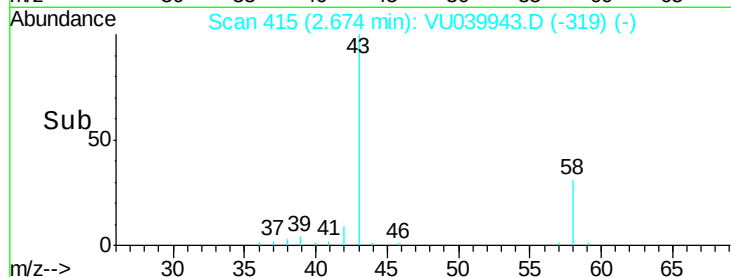
Ion Ratio Lower Upper

43 100

58 30.3 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039943.D (-319) (-)



#14

Carbon disulfide

Concen: 5.124 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039943.D

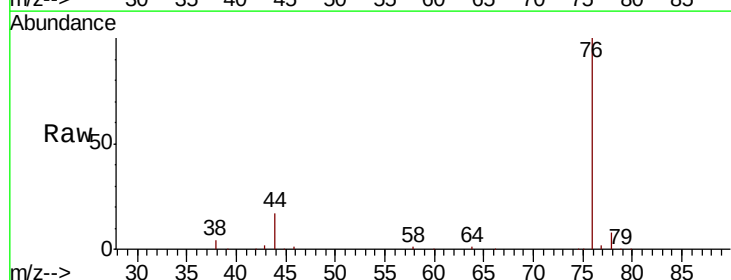
Acq: 21 Aug 2020 21:15

Tgt Ion: 76 Resp: 108283

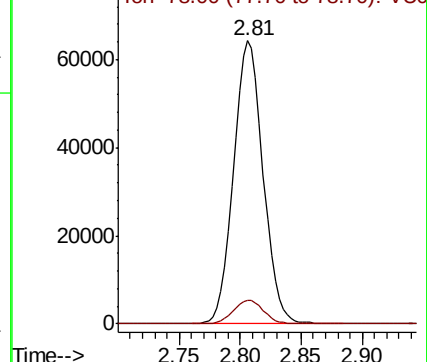
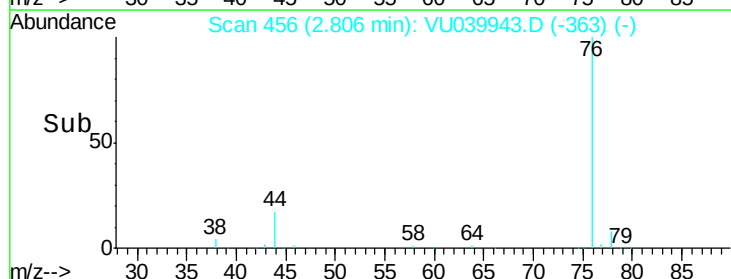
Ion Ratio Lower Upper

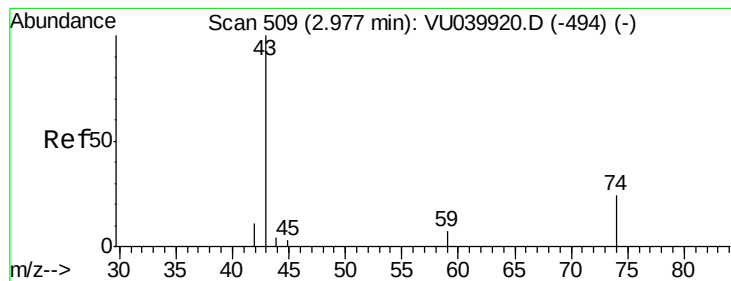
76 100

78 8.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039943.D (-363) (-)





#15

Methvl Acetate

Concen: 5.138 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

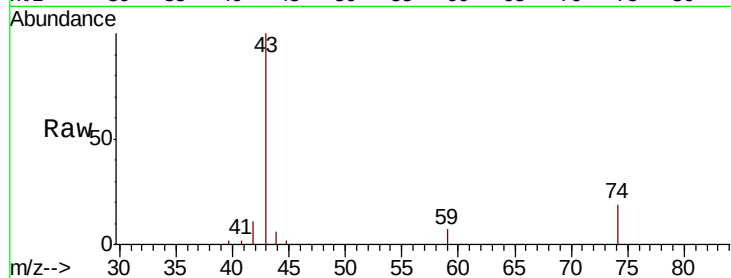
VSTD00529

Tot Ion: 43 Resp: 18809

Ion Ratio Lower Upper

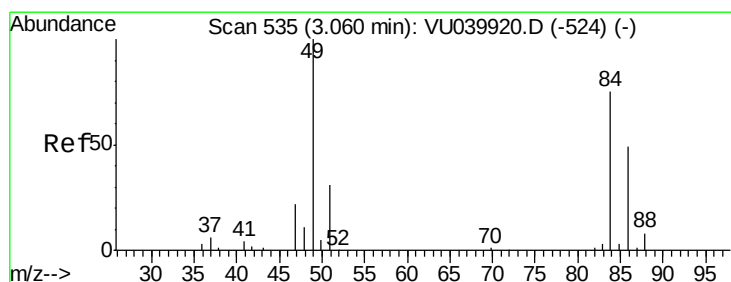
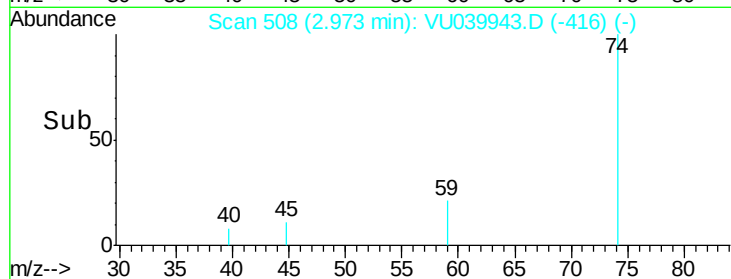
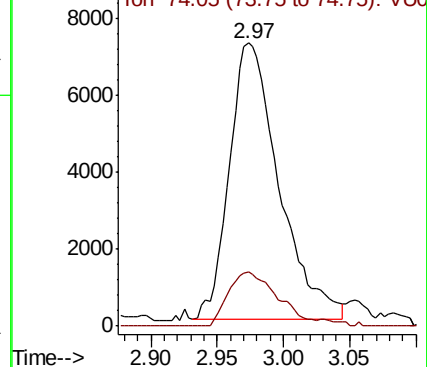
43 100

74 19.5 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.746 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

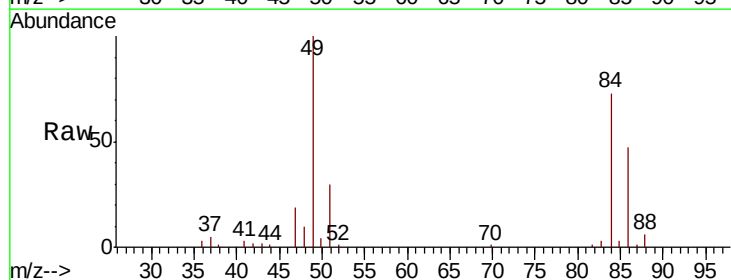
Tgt Ion: 84 Resp: 42670

Ion Ratio Lower Upper

84 100

86 64.1 47.2 87.6

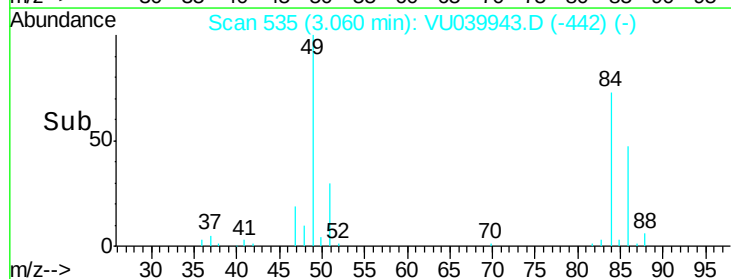
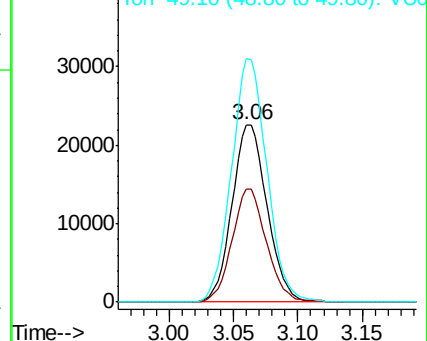
49 137.3 99.8 185.4

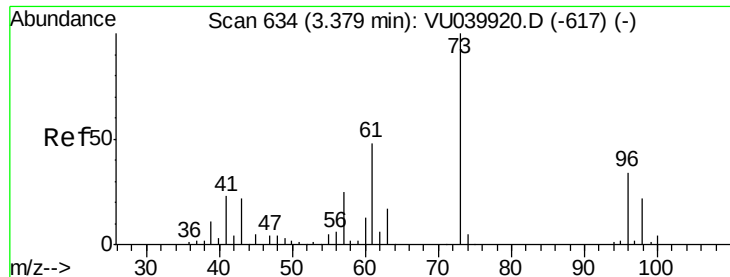


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

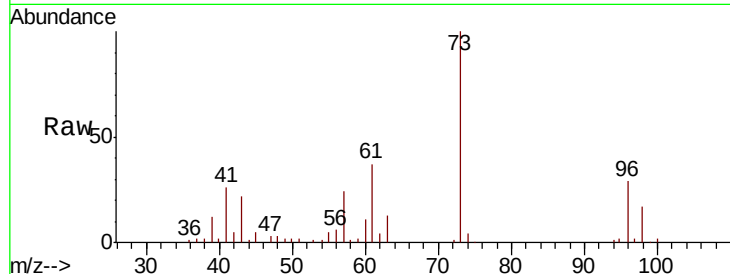




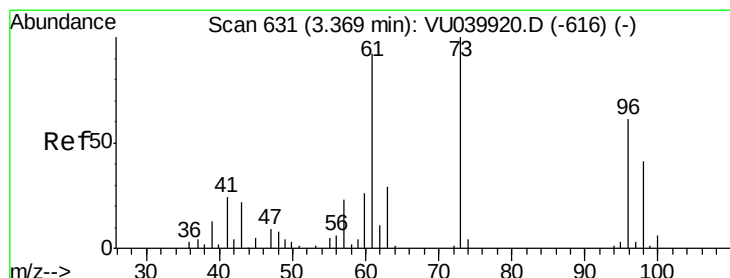
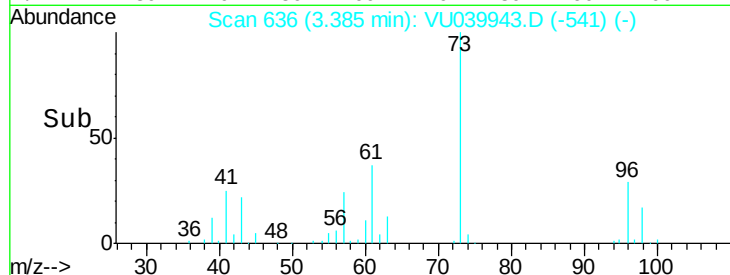
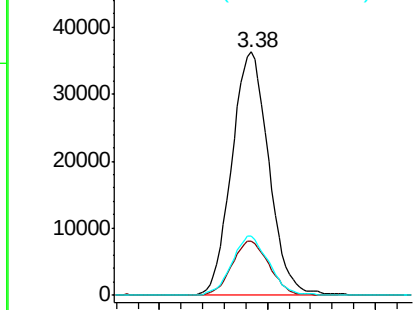
#17
Methyl tert-butyl Ether
Concen: 5.262 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 73 Resp: 86761
Ion Ratio Lower Upper
73 100
43 22.6 16.6 24.8
57 24.3 18.2 27.4

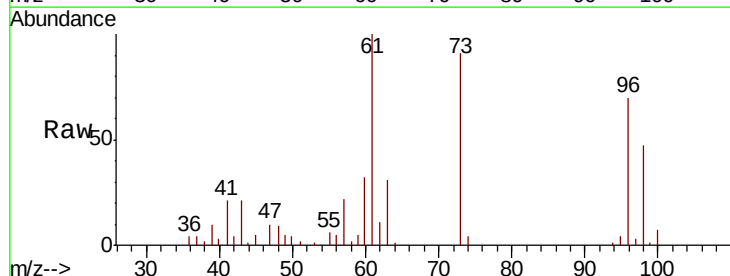


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

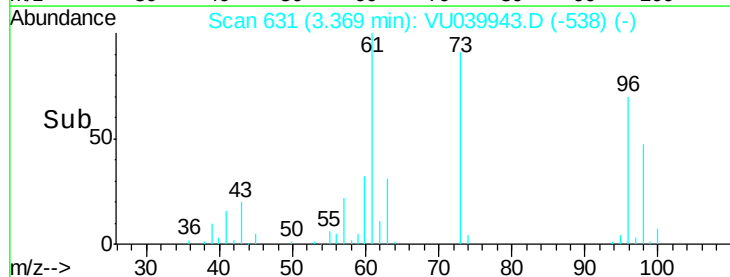
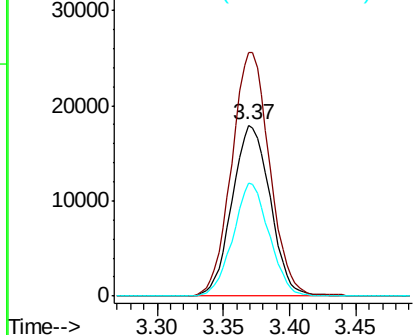


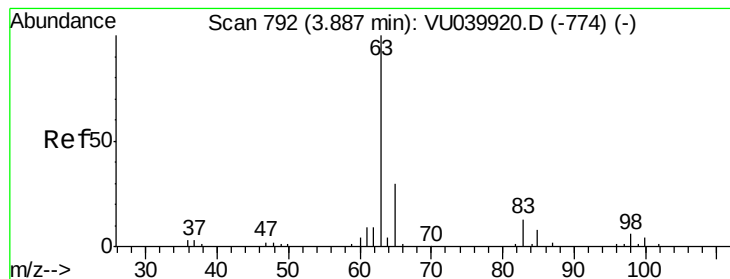
#18
trans-1,2-Dichloroethene
Concen: 5.262 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Tgt Ion: 96 Resp: 35729
Ion Ratio Lower Upper
96 100
61 142.4 93.7 173.9
98 66.4 40.7 75.5



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: 5.614 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

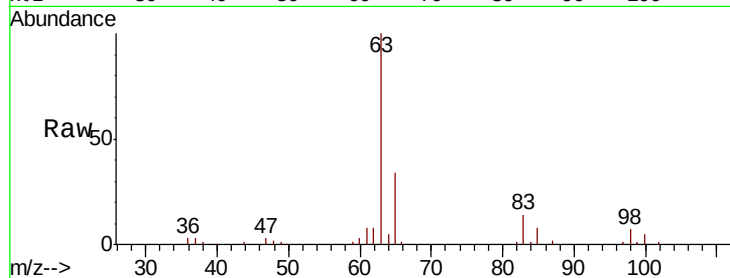
Tot Ion: 63 Resp: 70680

Ion Ratio Lower Upper

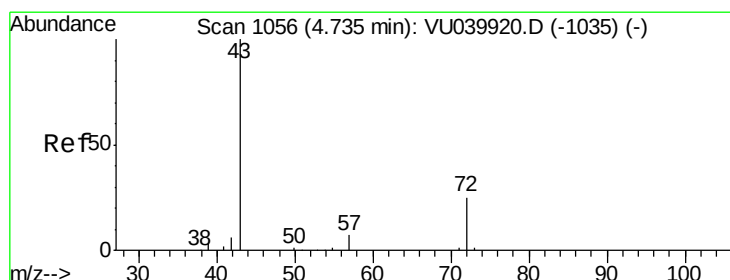
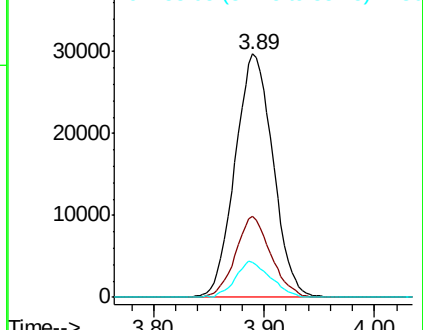
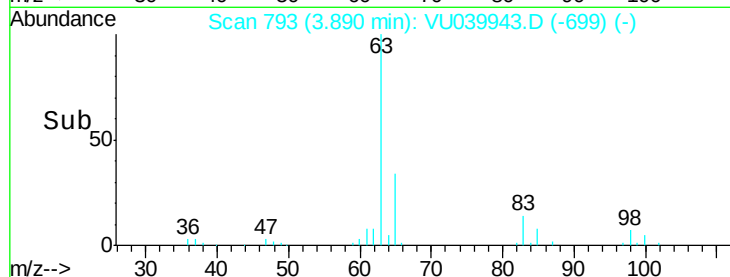
63 100

65 33.5 21.6 40.0

83 14.5 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039943.D (-699) (-)



#21

2-Butanone

Concen: 49.038 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039943.D

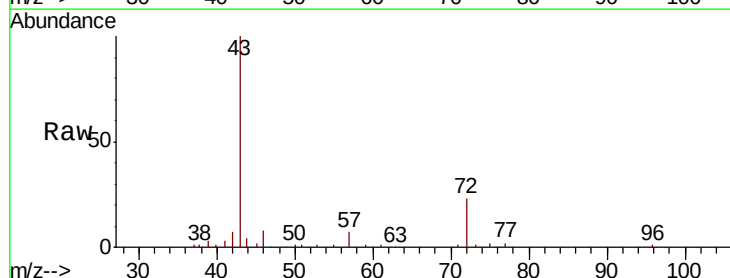
Acq: 21 Aug 2020 21:15

Tgt Ion: 43 Resp: 121502

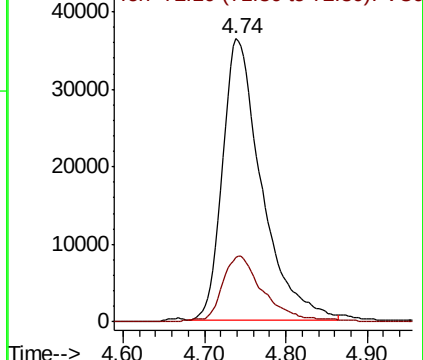
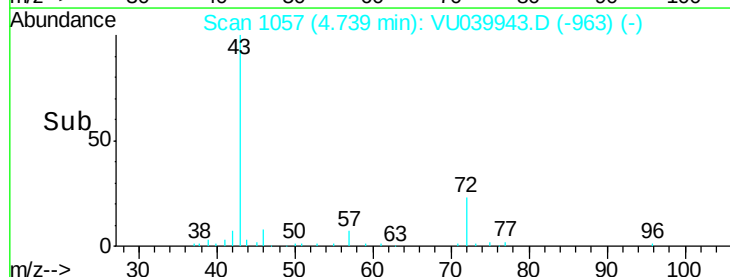
Ion Ratio Lower Upper

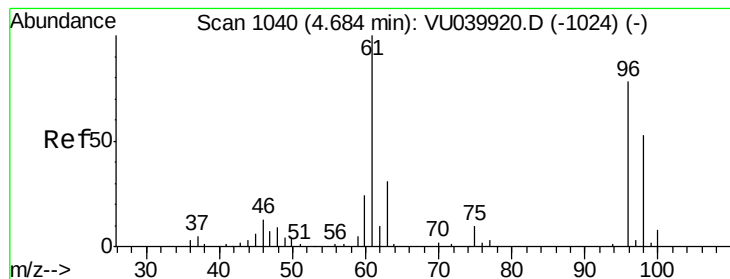
43 100

72 24.3 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039943.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.408 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

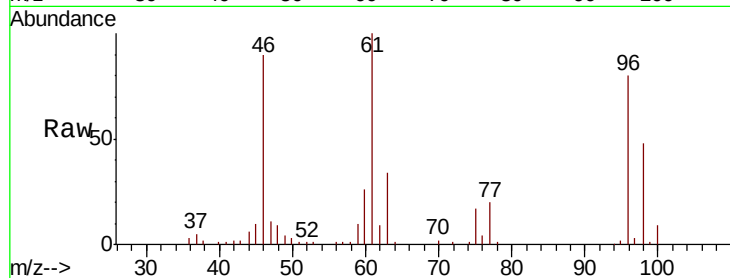
Tot Ion: 96 Resp: 38445

Ion Ratio Lower Upper

96 100

61 125.4 90.9 168.9

68 0.0 0.0 0.0

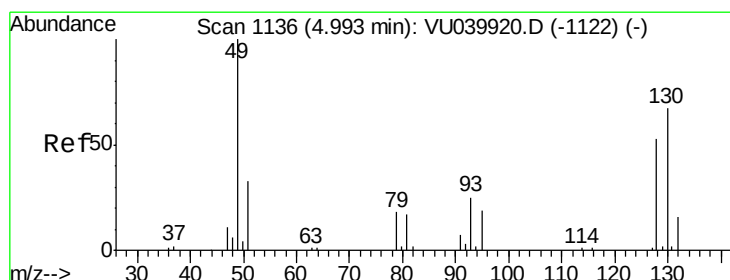
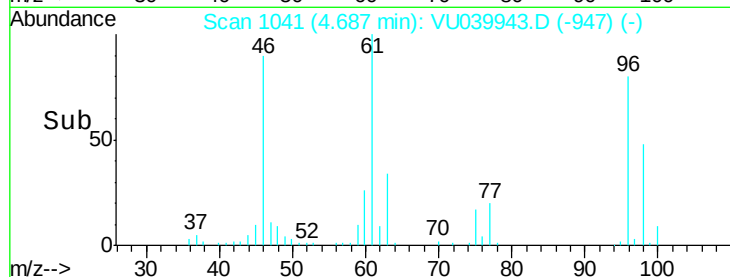
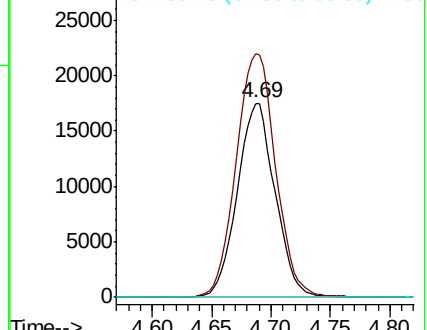


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.091 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Tgt Ion: 128 Resp: 17023

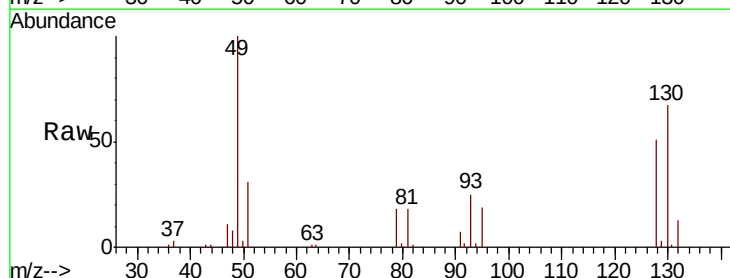
Ion Ratio Lower Upper

128 100

49 195.5 121.2 225.2

130 130.3 90.2 167.6

51 61.5 47.2 70.8



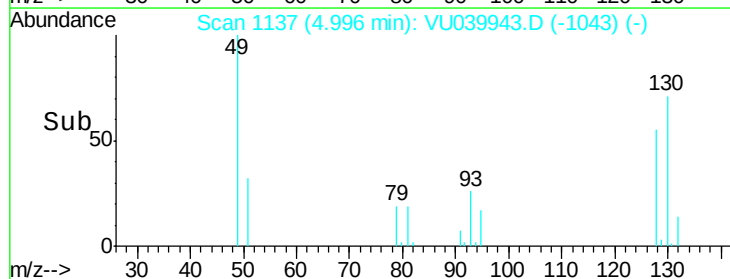
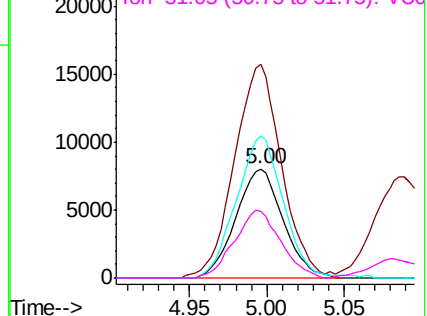
Abundance

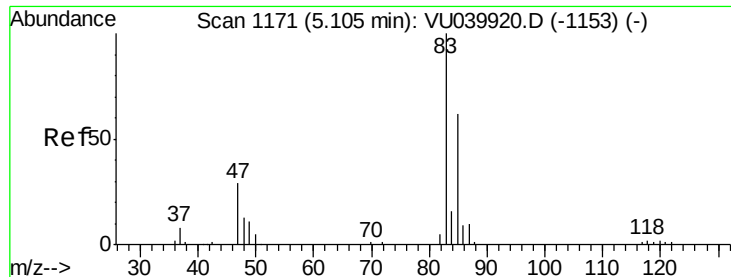
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

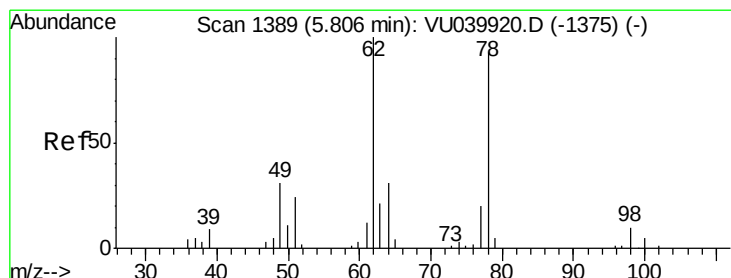
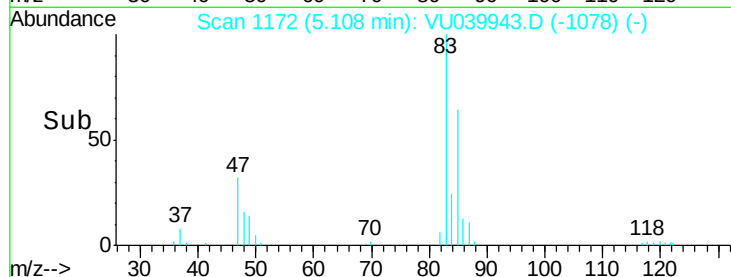
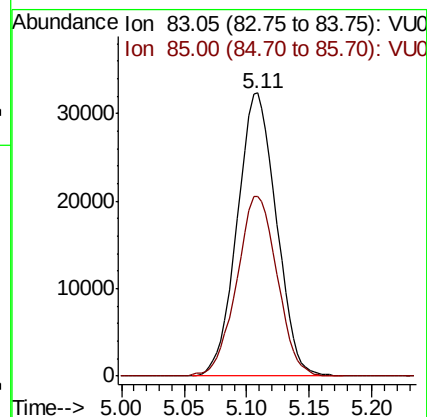
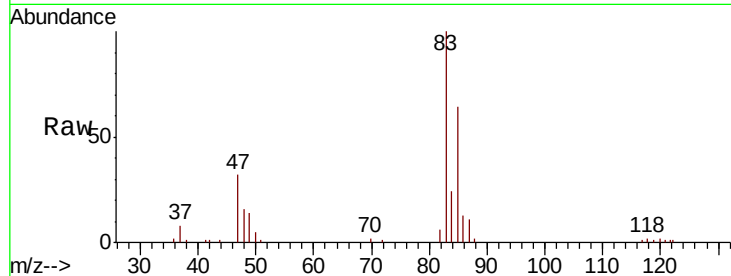




#25
Chloroform
Concen: 5.505 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

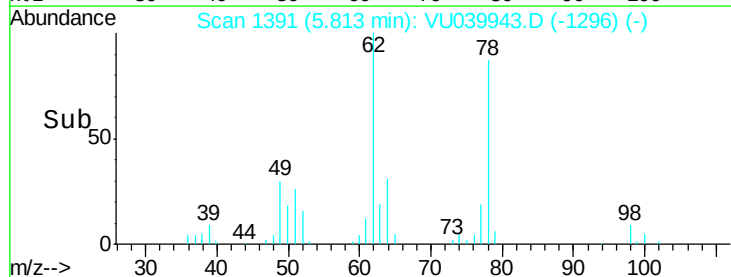
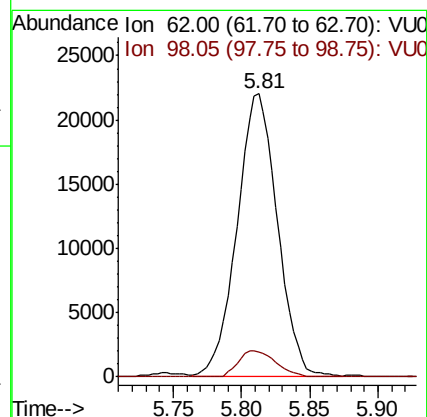
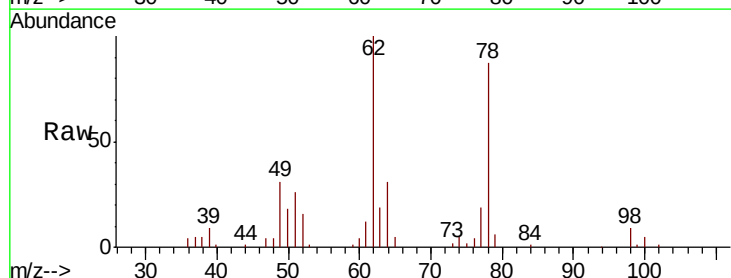
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

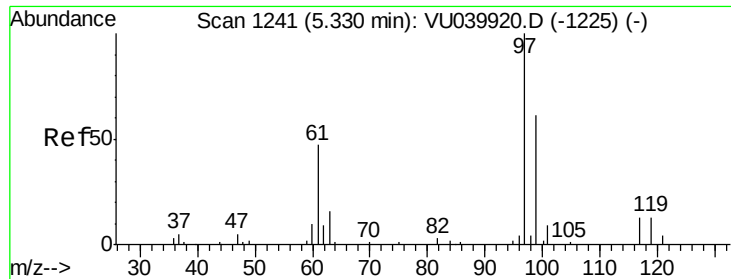
Tot Ion: 83 Resp: 70243
Ion Ratio Lower Upper
83 100
85 63.7 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.074 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Tgt Ion: 62 Resp: 45431
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2

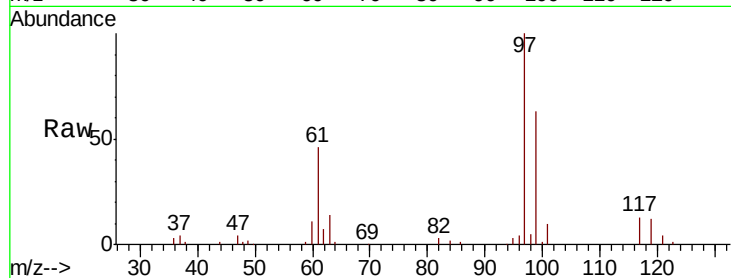




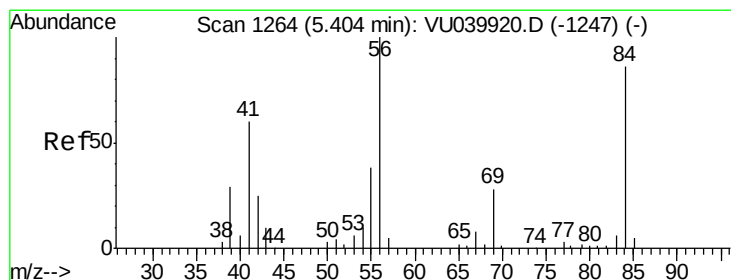
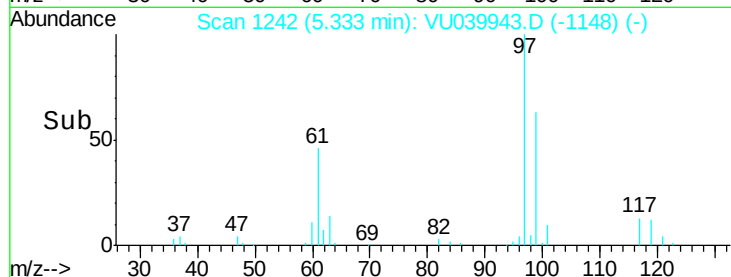
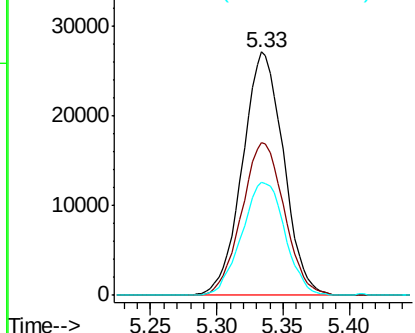
#29
 1,1,1-Trichloroethane
 Concen: 5.129 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 97 Resp: 58597
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.4 77.2
 61 48.7 39.1 58.7

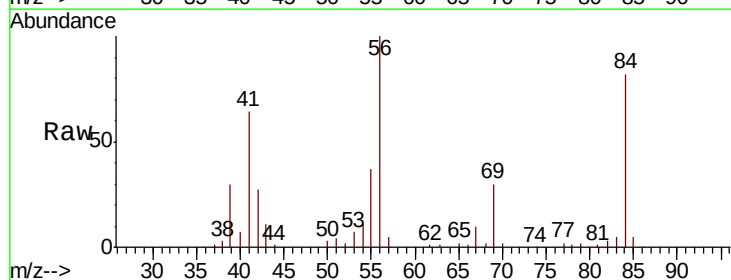


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

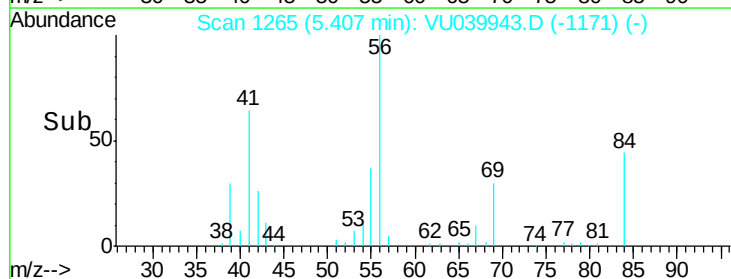
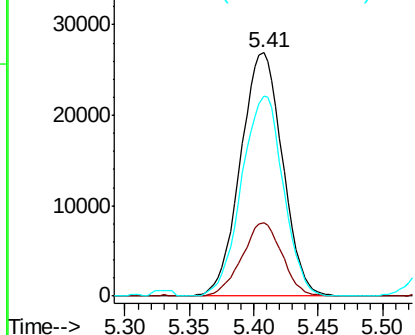


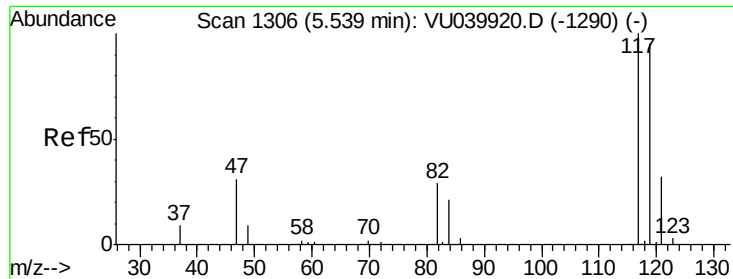
#30
 Cyclohexane
 Concen: 5.401 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion: 56 Resp: 61089
 Ion Ratio Lower Upper
 56 100
 69 28.8 23.1 34.7
 84 81.7 69.0 103.6



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: 4.837 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

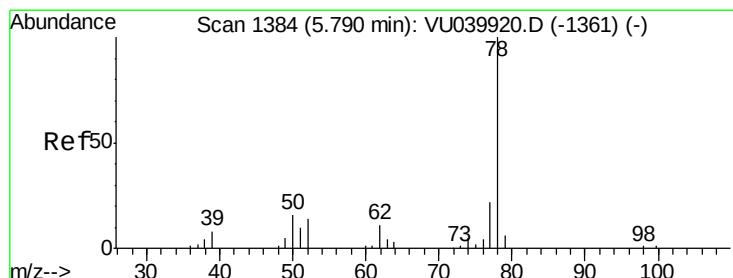
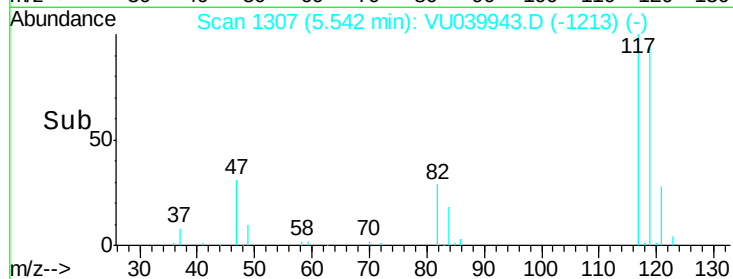
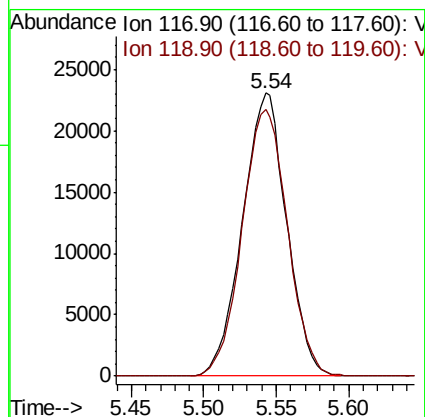
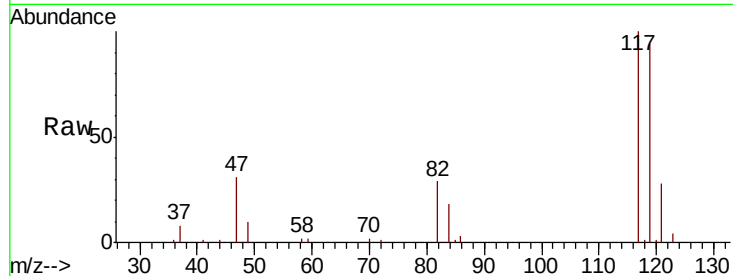
VSTD00529

Tot Ion:117 Resp: 48786

Ion Ratio Lower Upper

117 100

119 96.6 77.6 116.4



#33

Benzene

Concen: 5.354 ug/L

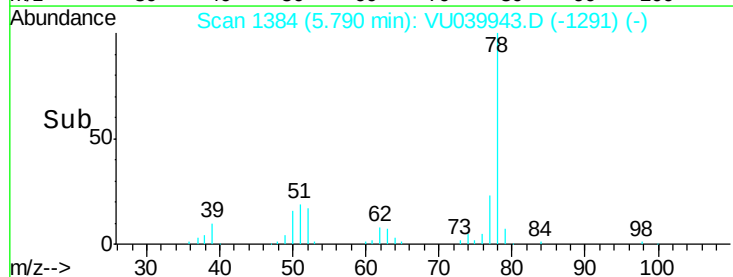
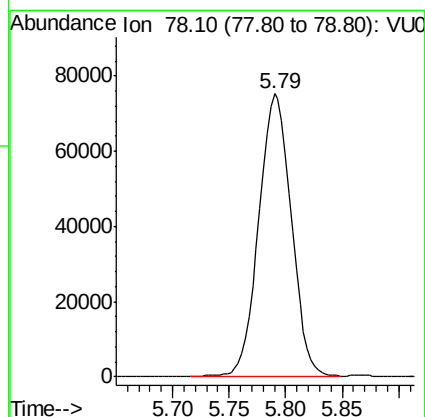
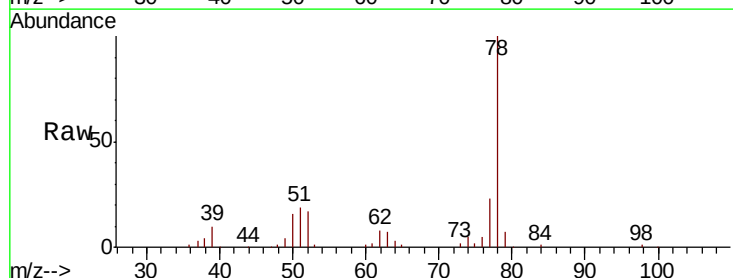
RT: 5.79 min Scan# 1384

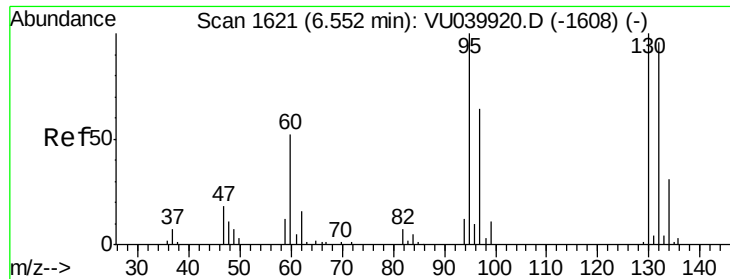
Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Tgt Ion: 78 Resp: 151122





#34

Trichloroethene

Concen: 4.796 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 95 Resp: 35127

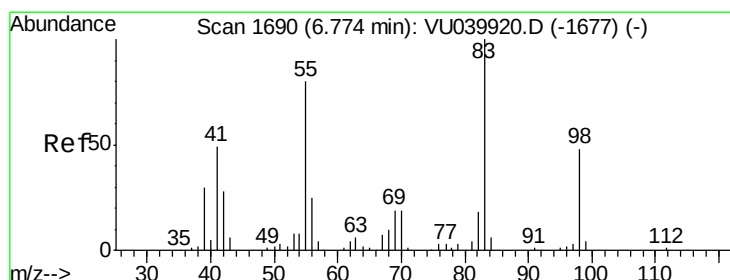
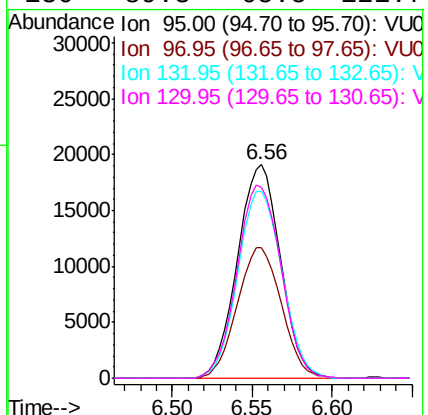
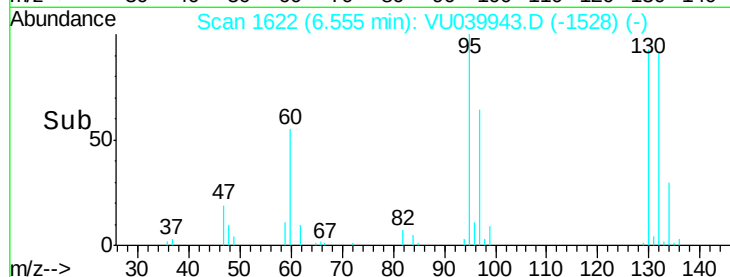
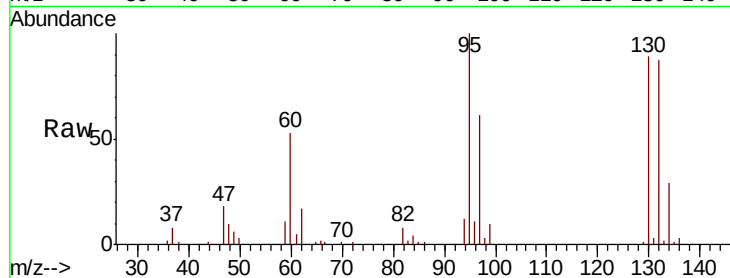
Ion Ratio Lower Upper

95 100

97 61.0 42.0 78.0

132 87.3 65.0 120.8

130 89.3 65.5 121.7



#35

Methylcyclohexane

Concen: 4.735 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

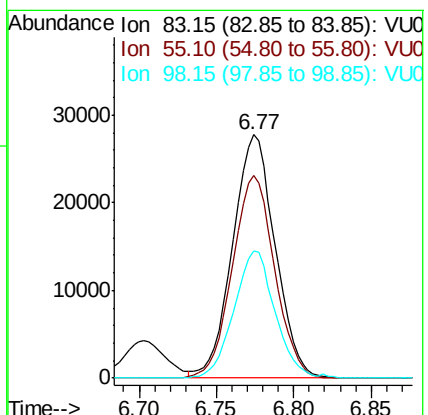
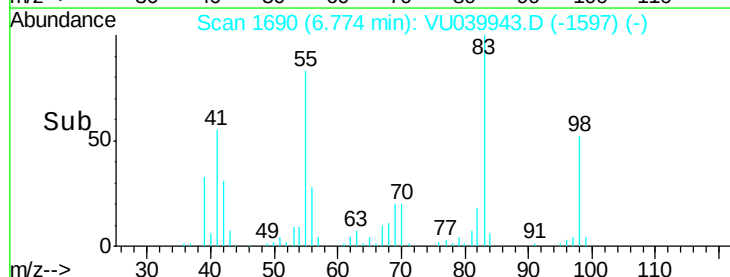
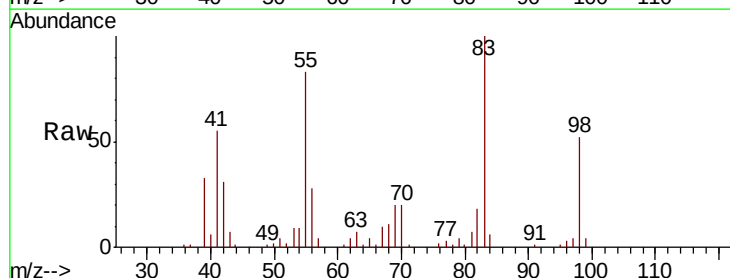
Tgt Ion: 83 Resp: 53134

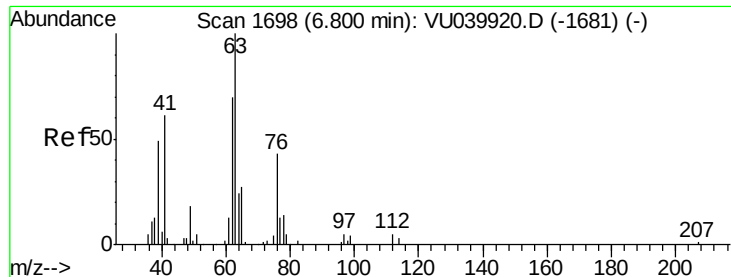
Ion Ratio Lower Upper

83 100

55 82.4 64.1 96.1

98 50.0 39.4 59.0

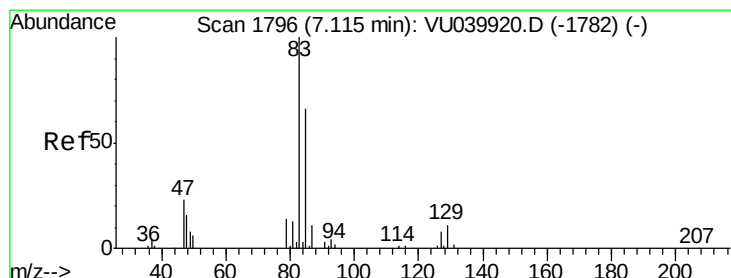
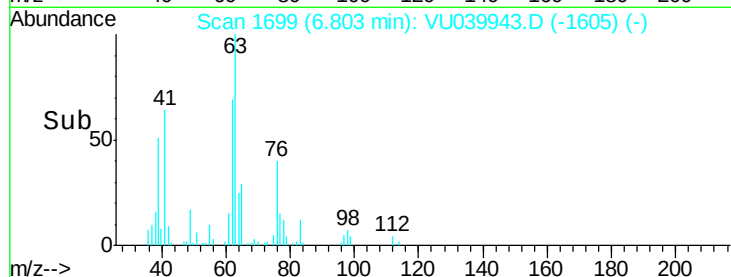
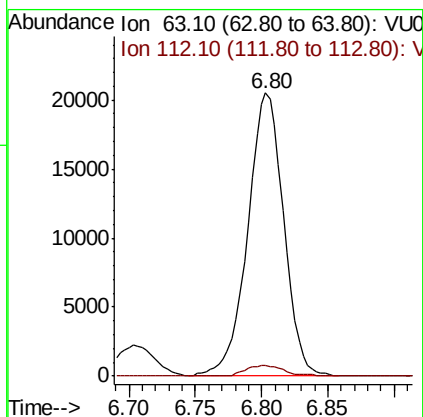
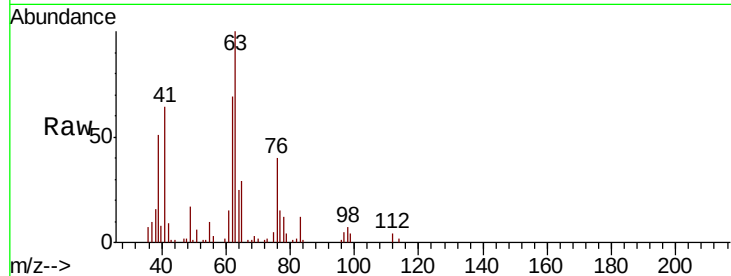




#37
 1,2-Dichloropropane
 Concen: 5.174 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

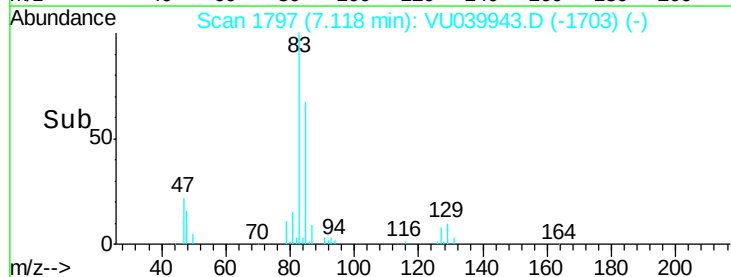
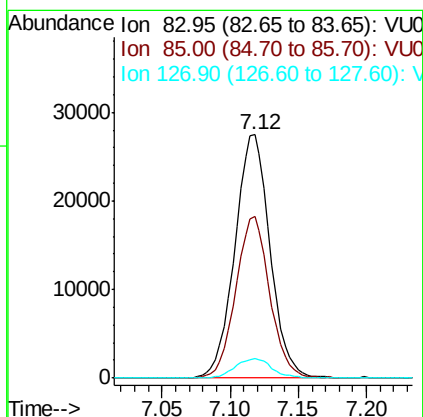
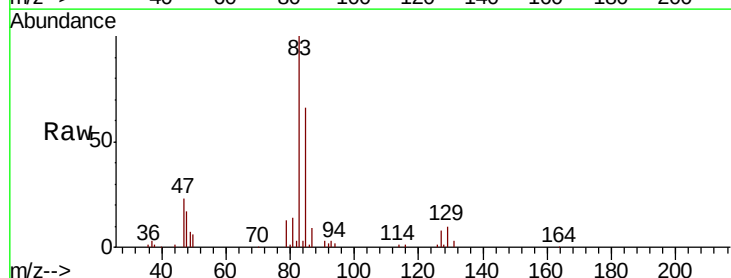
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

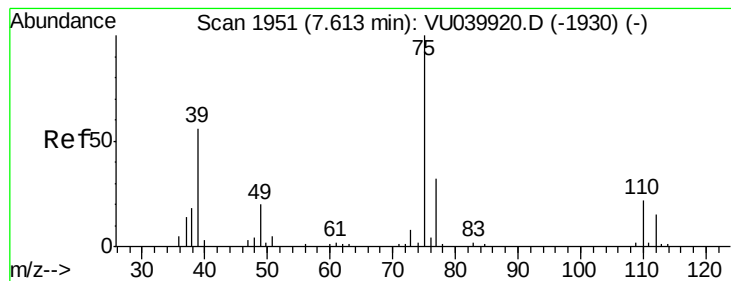
Tot Ion: 63 Resp: 38812
 Ion Ratio Lower Upper
 63 100
 112 4.0 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 5.165 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion: 83 Resp: 49232
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.3 82.3
 127 7.8 6.7 10.1



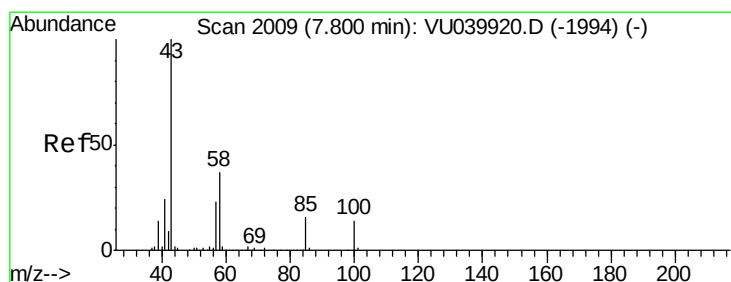
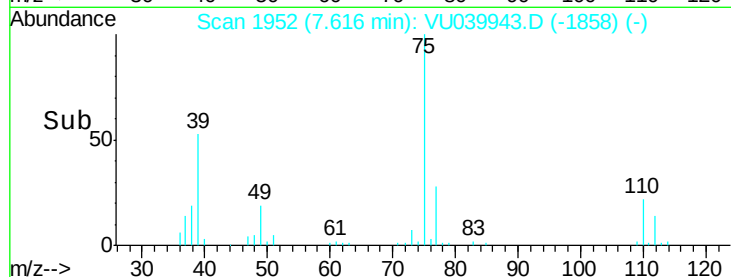
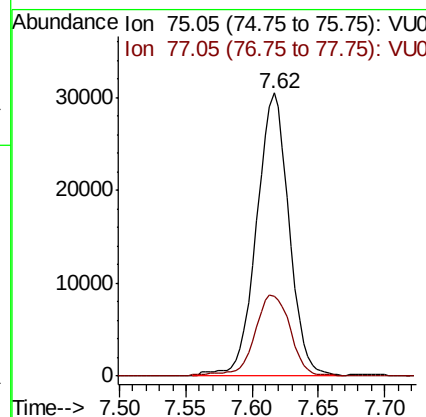
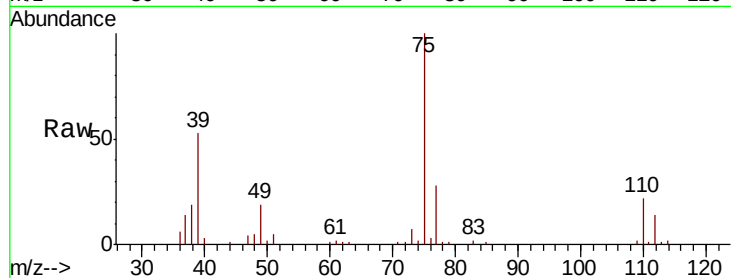


#39

cis-1,3-Dichloropropene
 Concen: 4.960 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

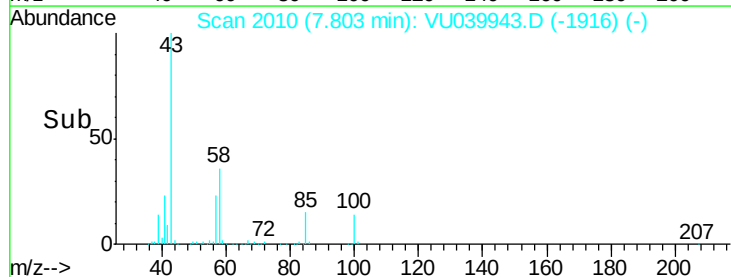
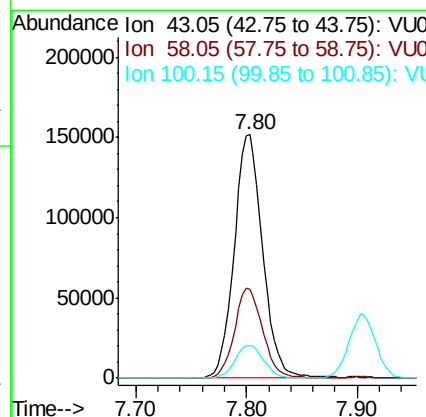
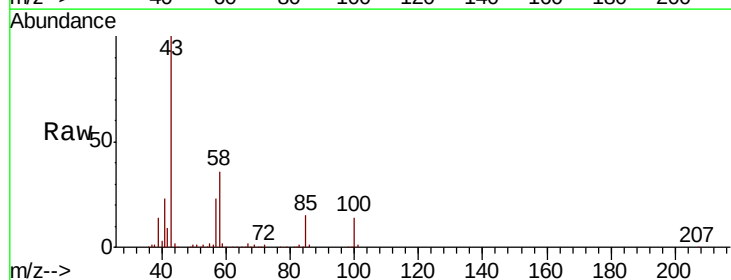
Tot Ion: 75 Resp: 51997
 Ion Ratio Lower Upper
 75 100
 77 28.4 22.6 42.0

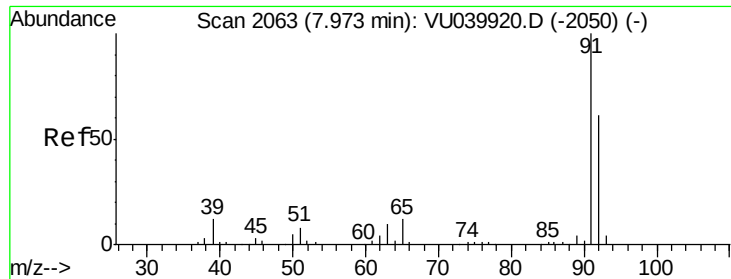


#40

4-Methyl-2-pentanone
 Concen: 45.684 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion: 43 Resp: 271366
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.7 44.5
 100 13.7 11.2 16.8





#42

Toluene

Concen: 5.354 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

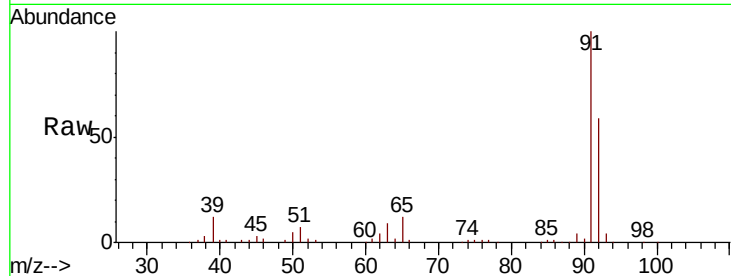
VSTD00529

Tot Ion: 91 Resp: 154555

Ion Ratio Lower Upper

91 100

92 59.1 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039920.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039920.D (-2050) (-)

7.98

100000

80000

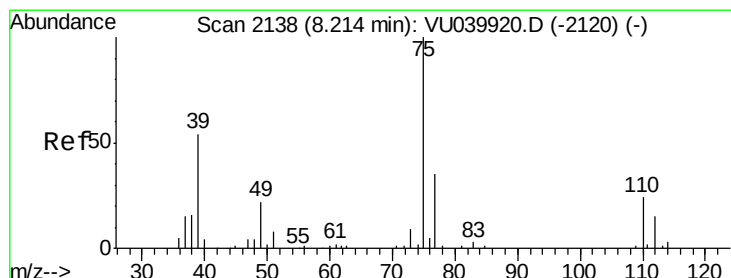
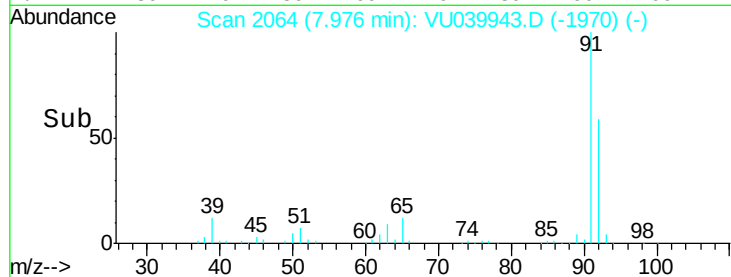
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.843 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039943.D

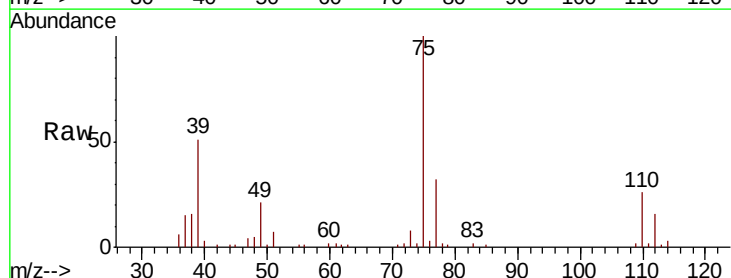
Acq: 21 Aug 2020 21:15

Tgt Ion: 75 Resp: 47709

Ion Ratio Lower Upper

75 100

77 32.5 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039920.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039920.D (-2120) (-)

8.22

30000

25000

20000

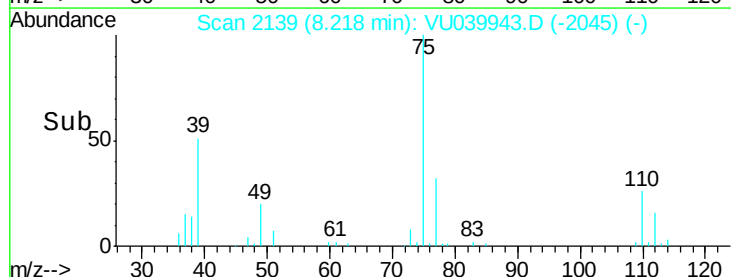
15000

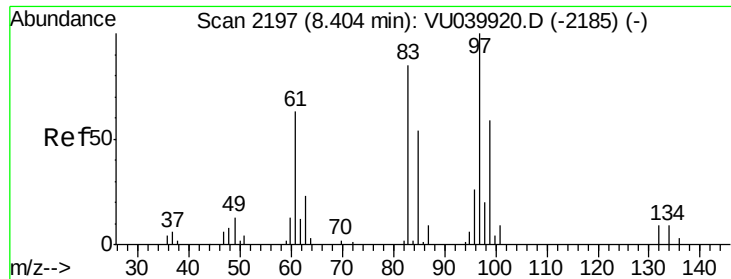
10000

5000

0

Time-->

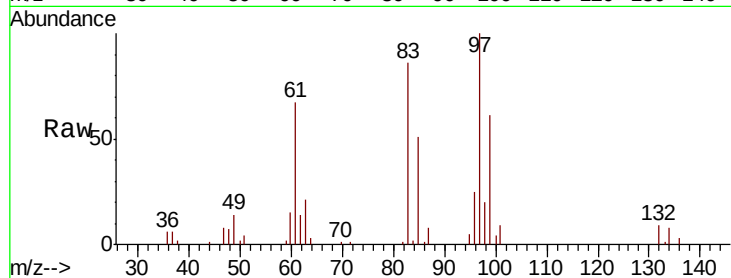




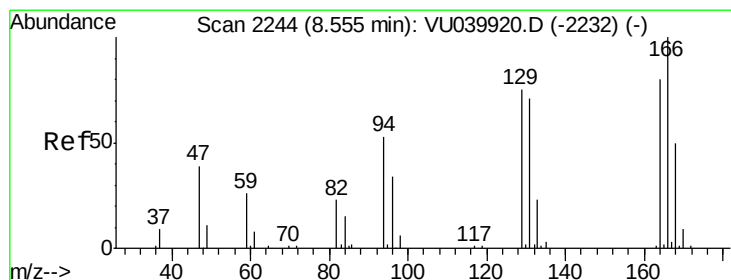
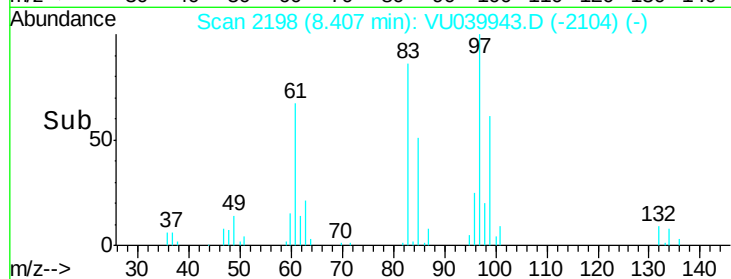
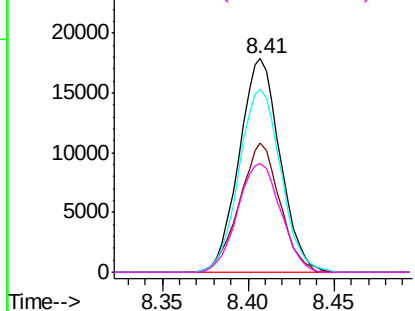
#45
 1,1,2-Trichloroethane
 Concen: 5.172 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	97	Resp:	29479
Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.1	78.3
83	85.7	59.3	110.1
85	50.8	37.2	69.2

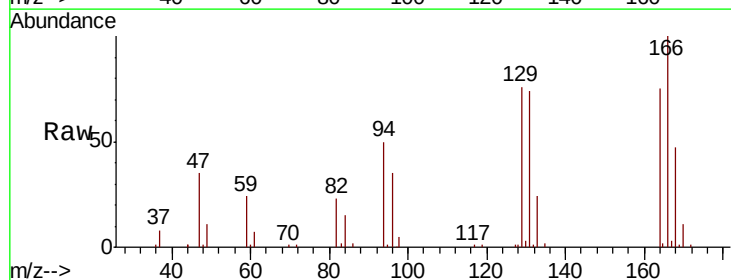


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

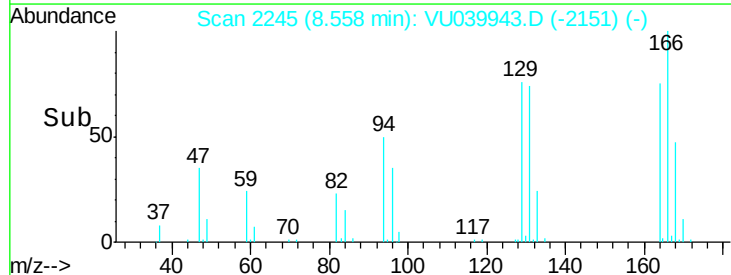
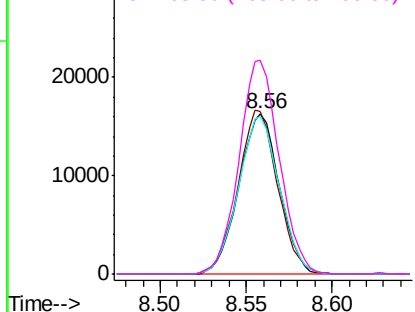


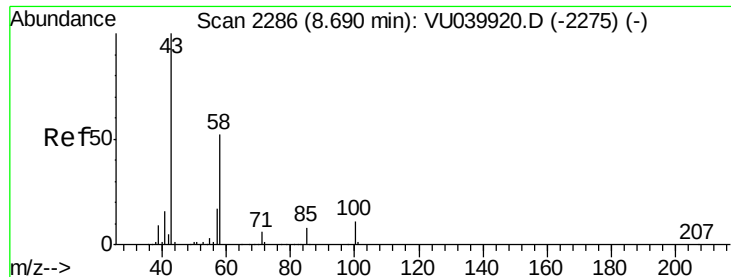
#47
 Tetrachloroethene
 Concen: 4.936 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion:	164	Resp:	26674
Ion	Ratio	Lower	Upper
164	100		
129	101.8	69.1	128.3
131	98.6	66.0	122.6
166	133.4	94.0	174.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

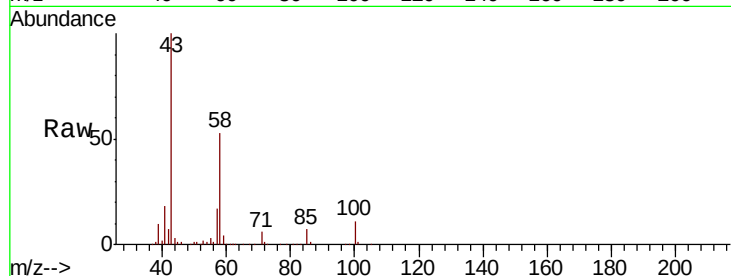




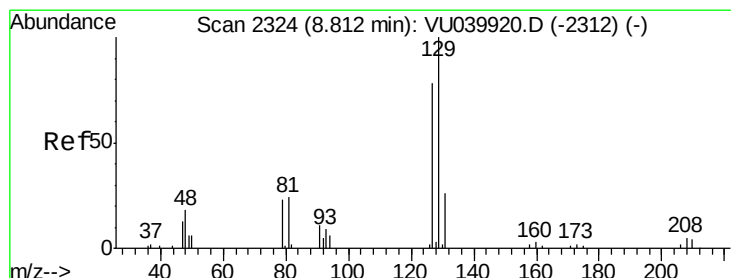
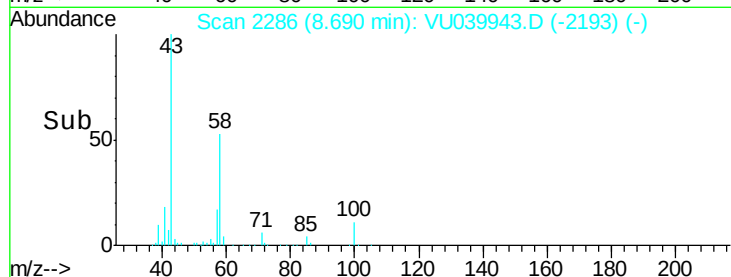
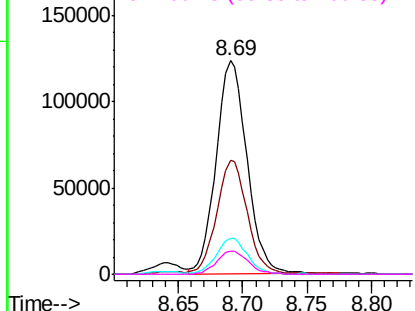
#48
2-Hexanone
Concen: 48.232 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:	43	Resp:	205312
Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.3	61.9
57	17.1	14.1	21.1
100	11.1	9.1	13.7

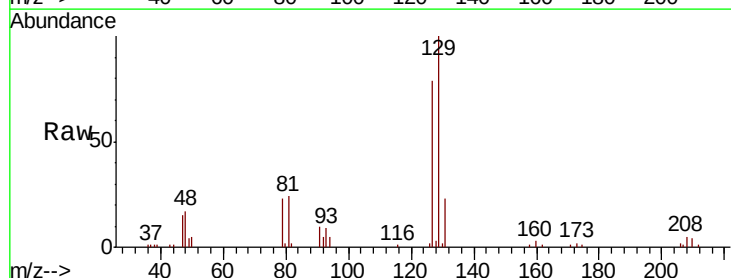


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

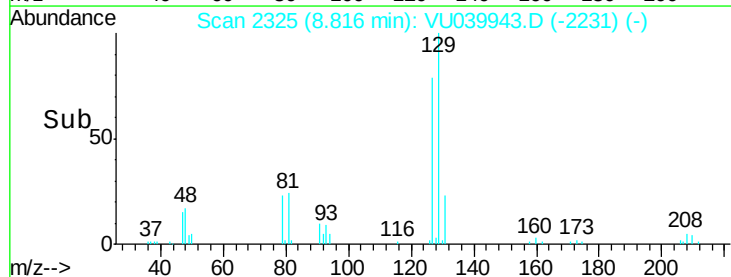
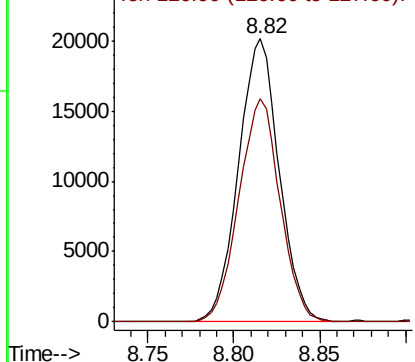


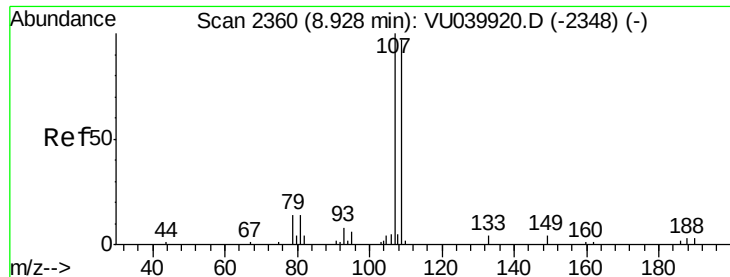
#49
Dibromochloromethane
Concen: 4.868 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Tgt Ion:	129	Resp:	33121
Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.1	98.7



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

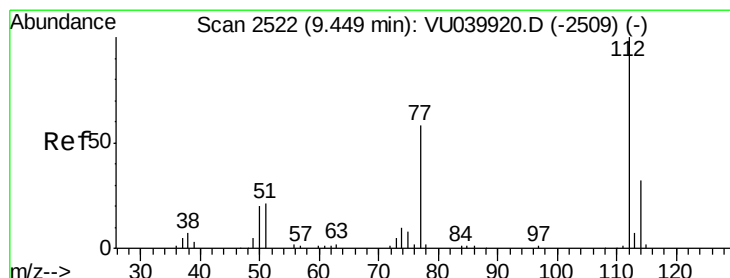
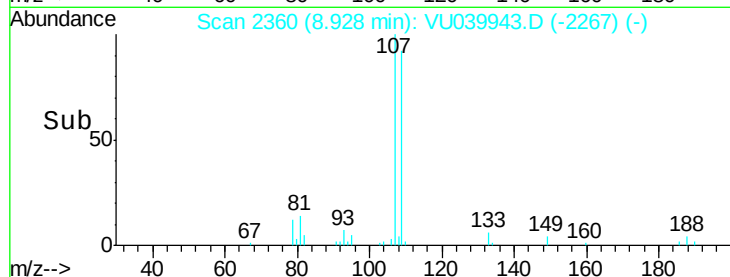
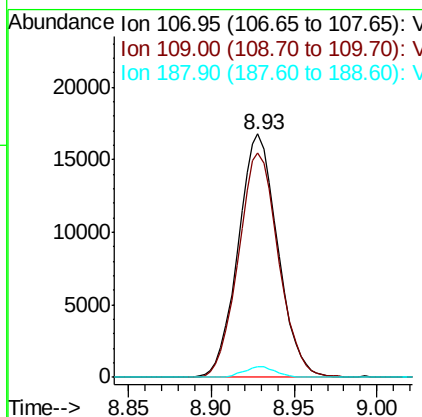
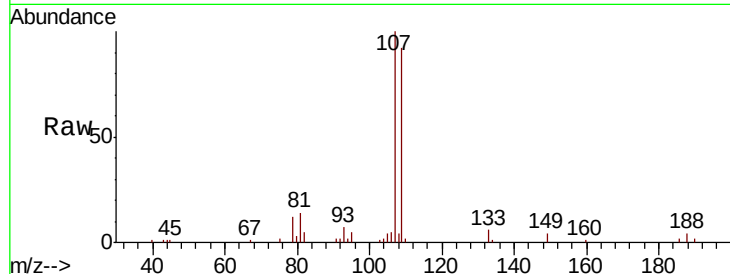




#50
 1,2-Dibromoethane
 Concen: 5.113 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

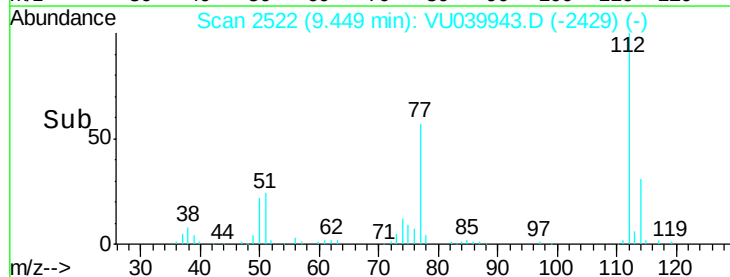
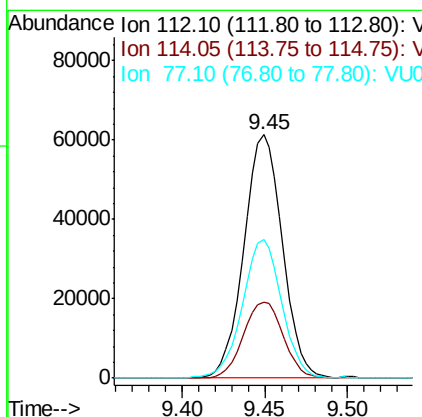
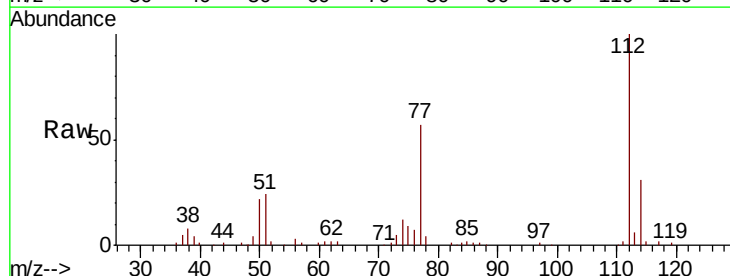
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

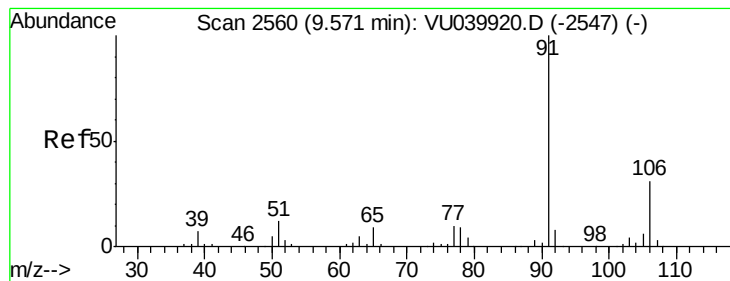
Tot Ion:107 Resp: 27751
 Ion Ratio Lower Upper
 107 100
 109 92.4 68.3 126.9
 188 4.4 2.2 3.4#



#51
 Chlorobenzene
 Concen: 5.247 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion:112 Resp: 98886
 Ion Ratio Lower Upper
 112 100
 114 31.3 21.8 40.4
 77 56.7 45.4 68.0





#52

Ethylbenzene

Concen: 5.333 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

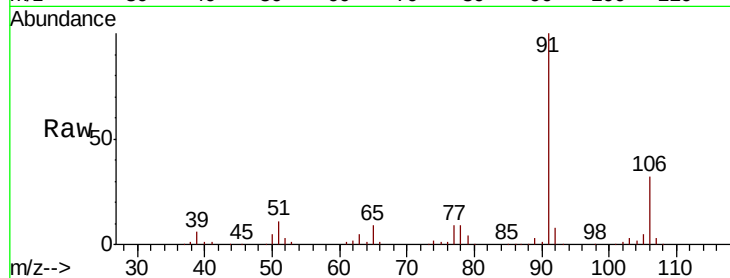
VSTD00529

Tot Ion: 91 Resp: 167429

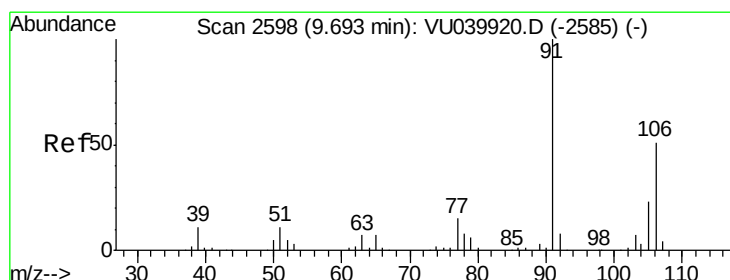
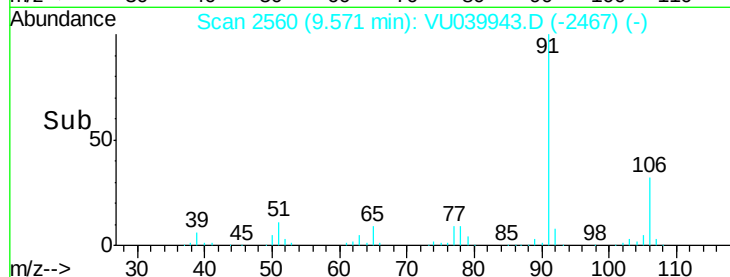
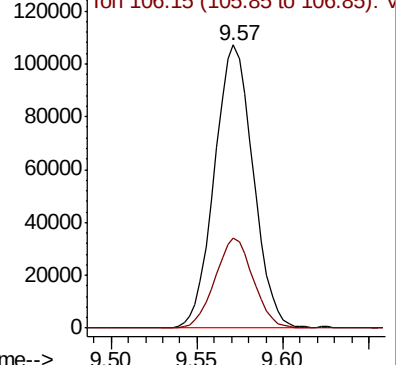
Ion Ratio Lower Upper

91 100

106 31.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039943.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.294 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039943.D

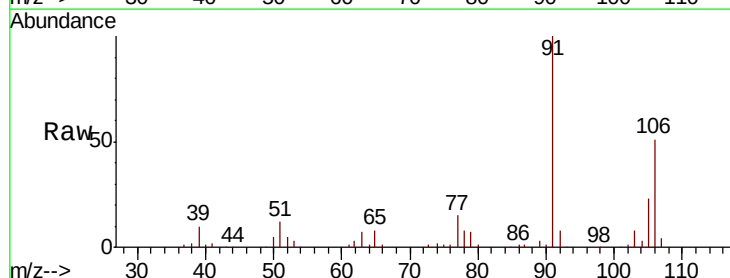
Acq: 21 Aug 2020 21:15

Tgt Ion: 106 Resp: 63798

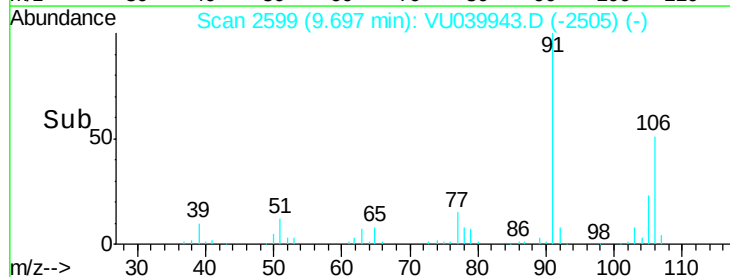
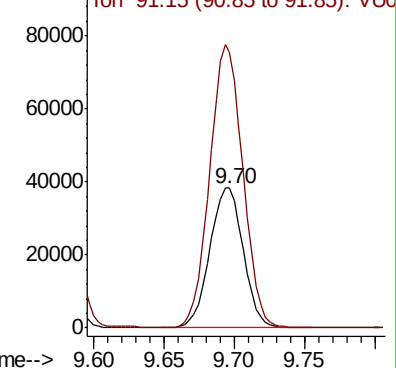
Ion Ratio Lower Upper

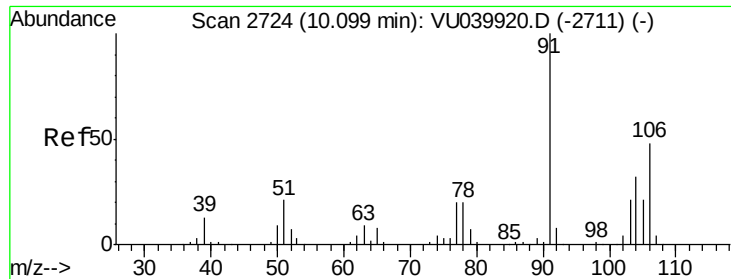
106 100

91 197.1 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039943.D (-2505) (-)

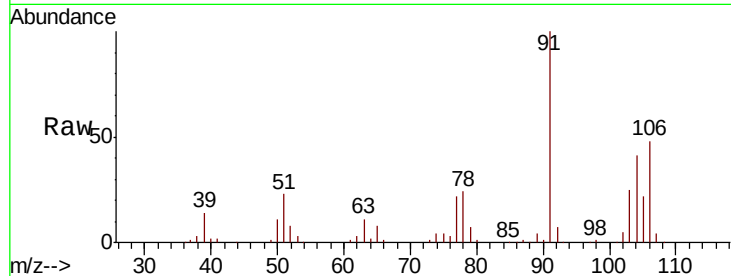




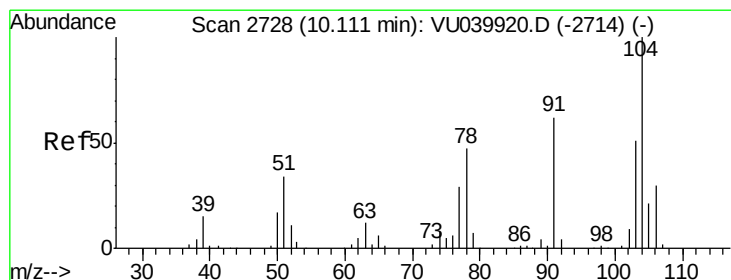
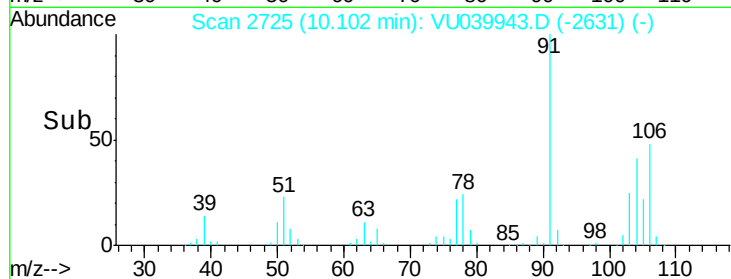
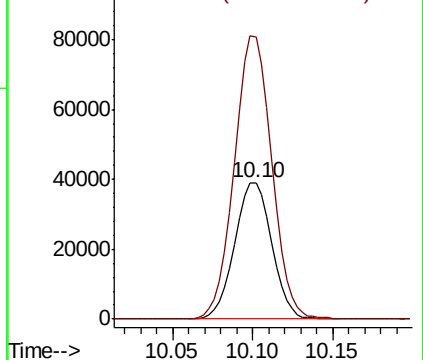
#54
o-Xylene
Concen: 5.396 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 61471
Ion Ratio Lower Upper
106 100
91 206.7 144.6 268.6

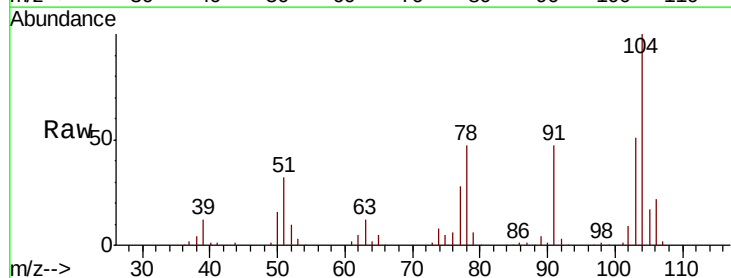


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

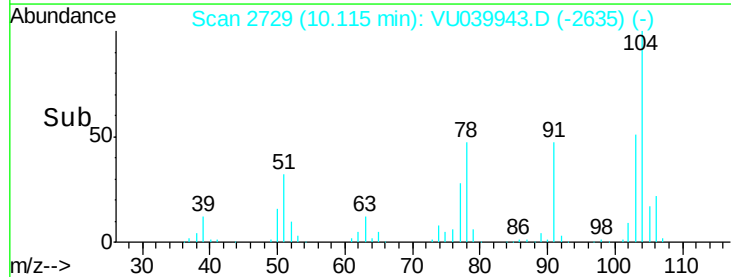
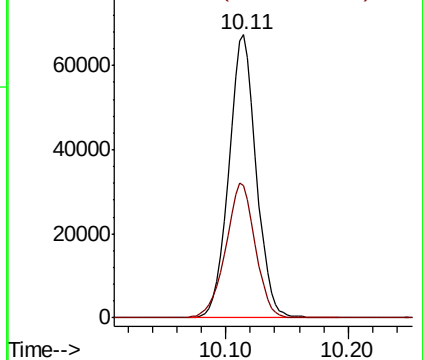


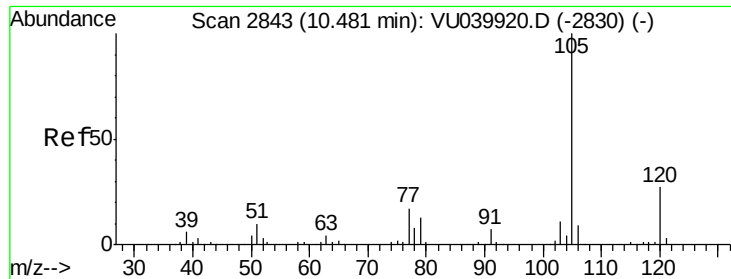
#55
Styrene
Concen: 5.341 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039943.D
Acq: 21 Aug 2020 21:15

Tgt Ion:104 Resp: 105475
Ion Ratio Lower Upper
104 100
78 46.8 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.319 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

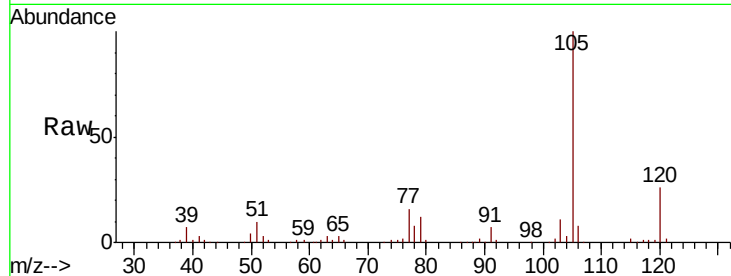
Tot Ion:105 Resp: 162438

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

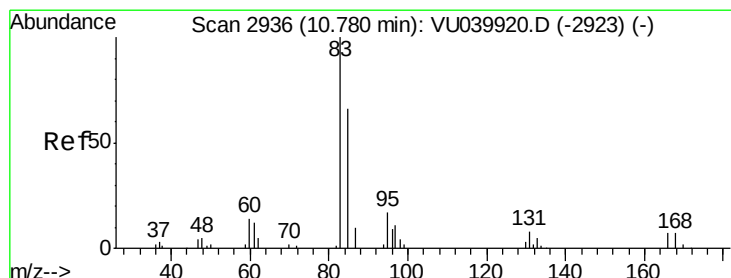
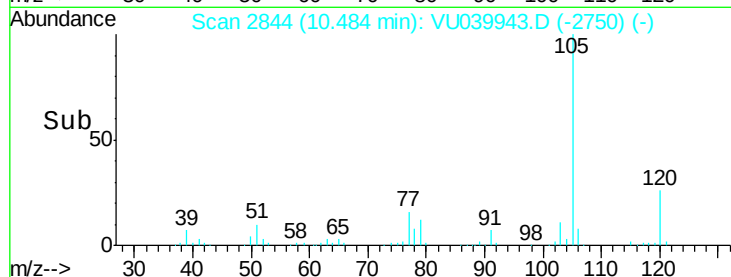
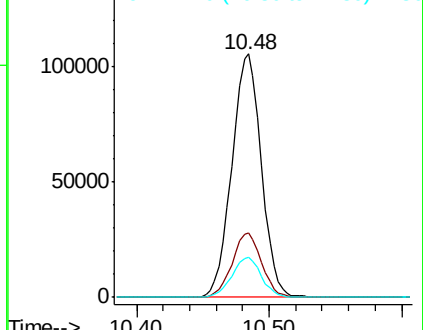
77 16.4 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.970 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

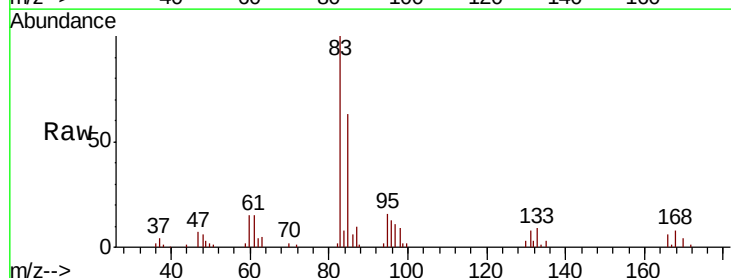
Tgt Ion: 83 Resp: 36575

Ion Ratio Lower Upper

83 100

85 62.7 42.8 79.6

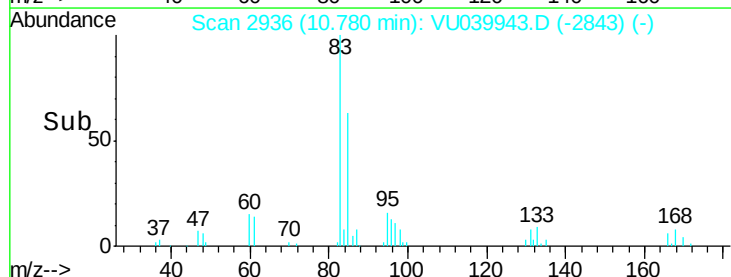
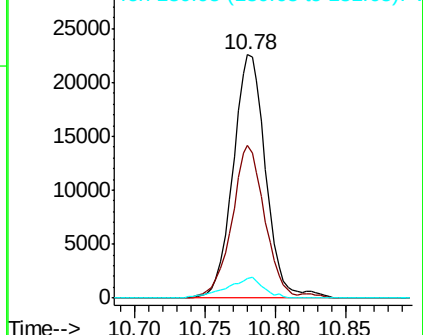
131 8.3 7.4 11.2

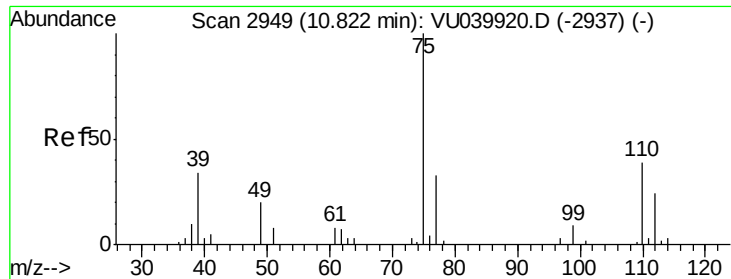


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.627 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

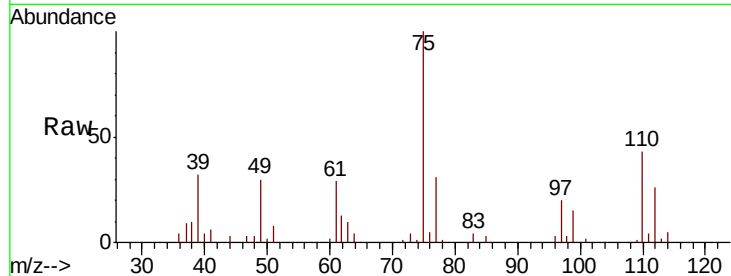
VSTD00529

Tot Ion: 75 Resp: 24864

Ion Ratio Lower Upper

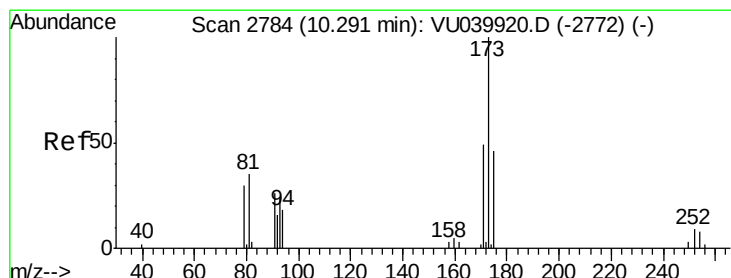
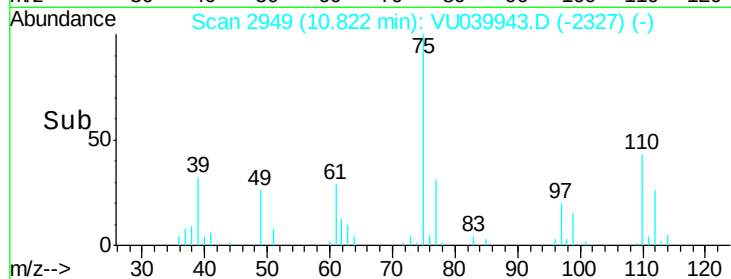
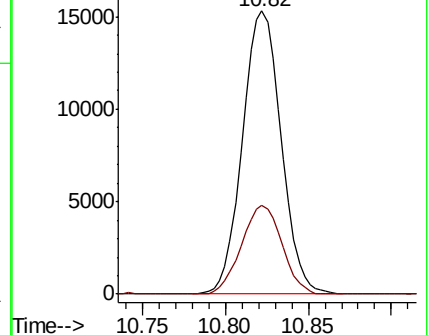
75 100

77 32.7 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039920.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039920.D (-2937) (-)



#61

Bromoform

Concen: 5.054 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

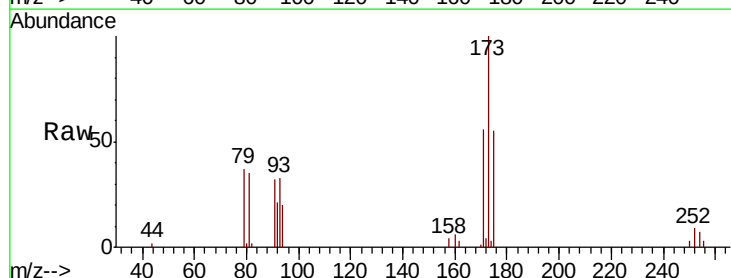
Tgt Ion: 173 Resp: 18050

Ion Ratio Lower Upper

173 100

175 50.3 37.6 56.4

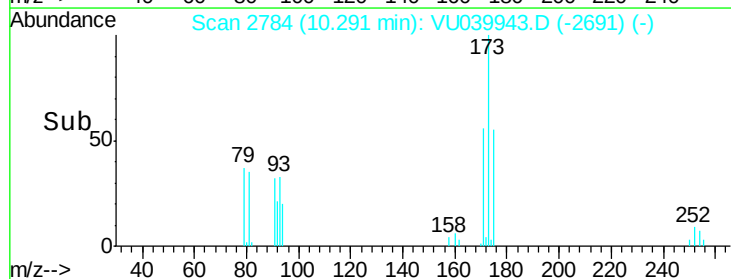
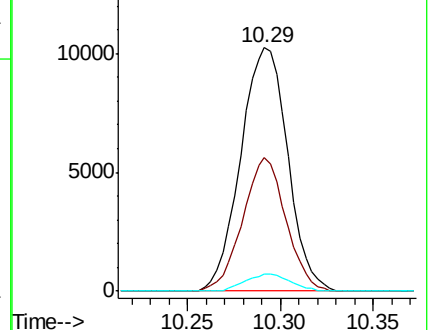
254 6.6 5.8 8.8

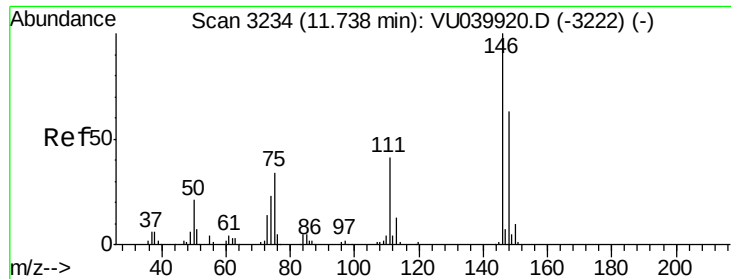


Abundance Ion 172.90 (172.60 to 173.60): VU039920.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039920.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039920.D (-2772) (-)

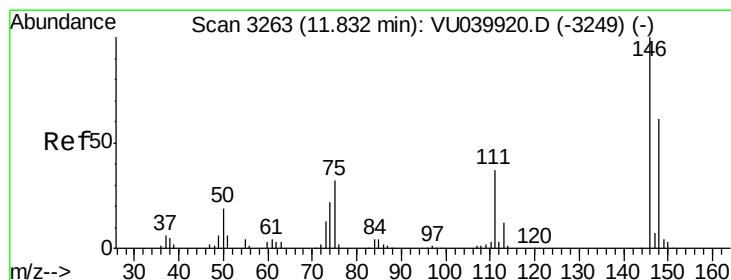
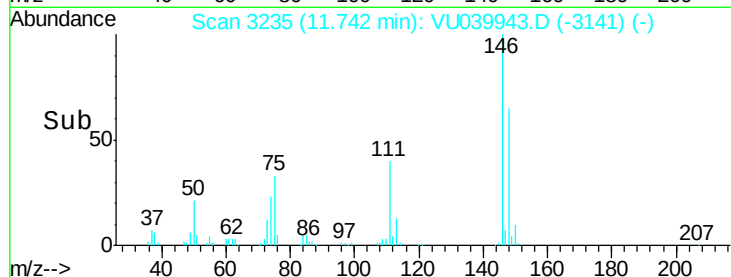
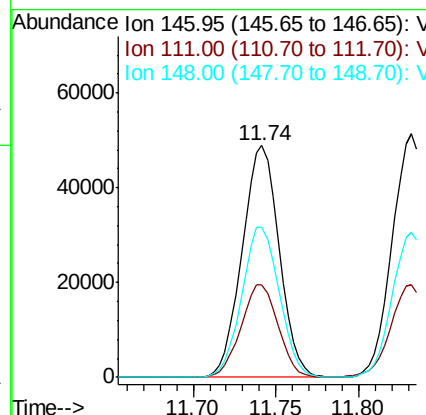
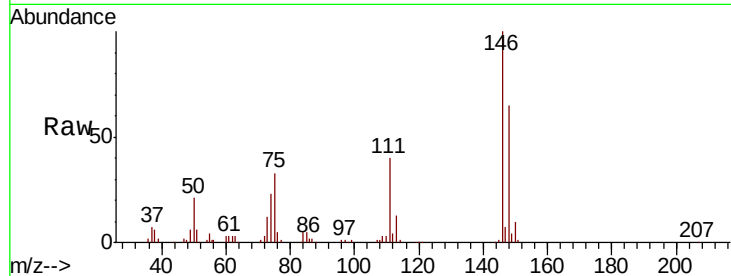




#62
 1,3-Dichlorobenzene
 Concen: 5.074 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

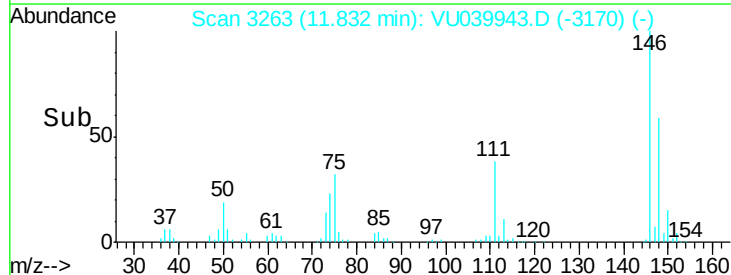
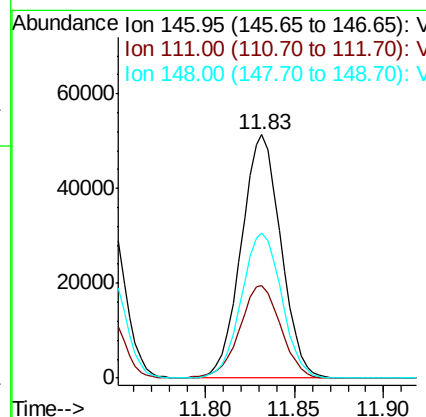
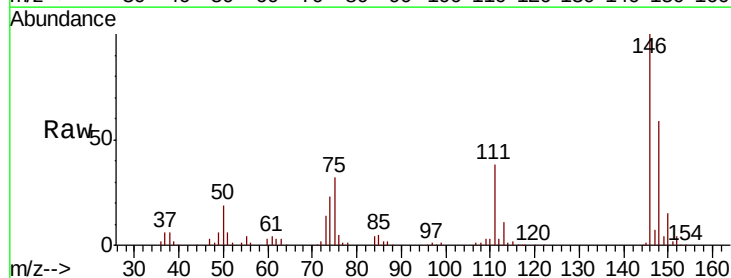
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

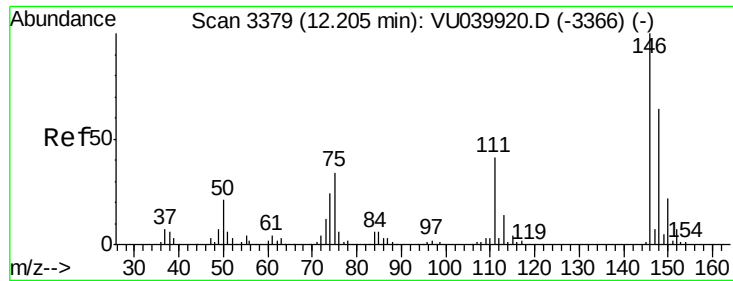
Tot Ion:146 Resp: 76174
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.4
 148 65.0 43.8 81.4



#63
 1,4-Dichlorobenzene
 Concen: 5.182 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion:146 Resp: 79224
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.5 49.1
 148 59.5 42.8 79.4

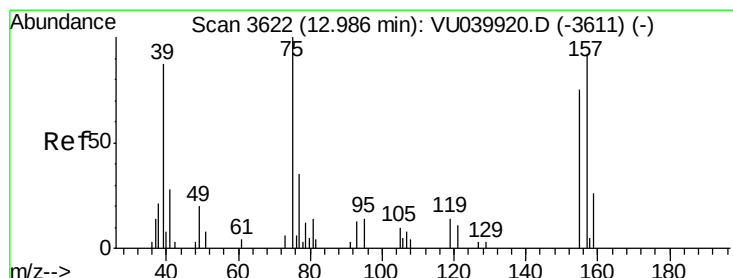
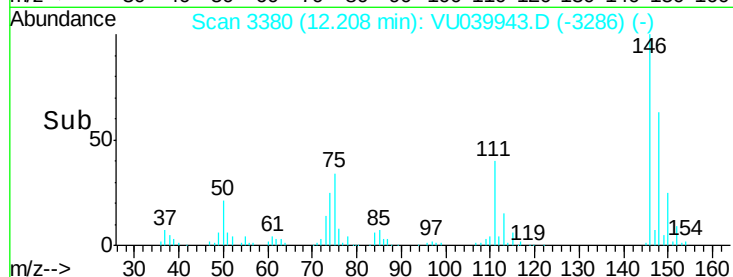
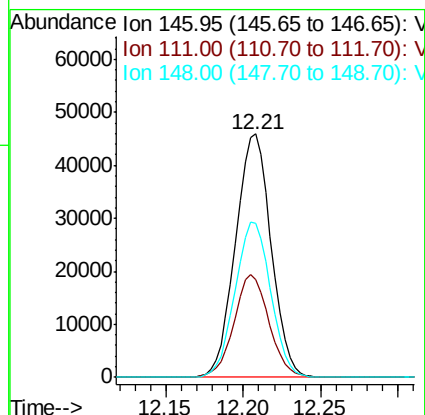
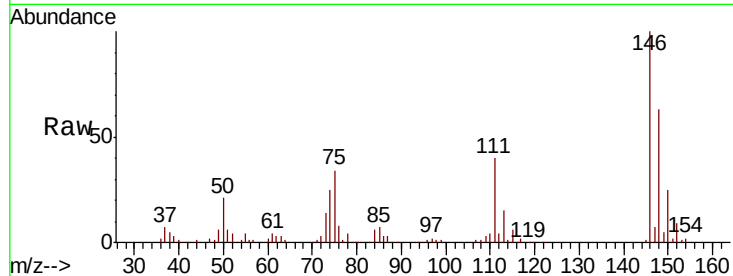




#65
 1,2-Dichlorobenzene
 Concen: 5.062 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

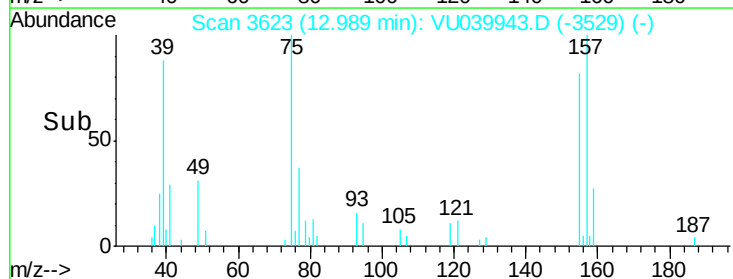
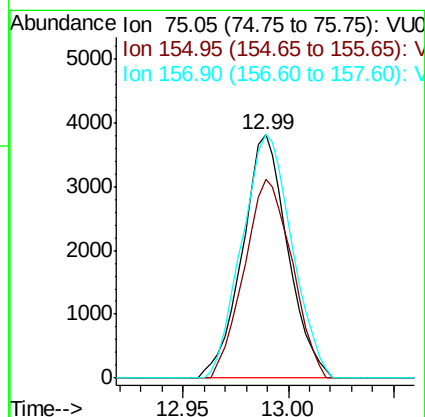
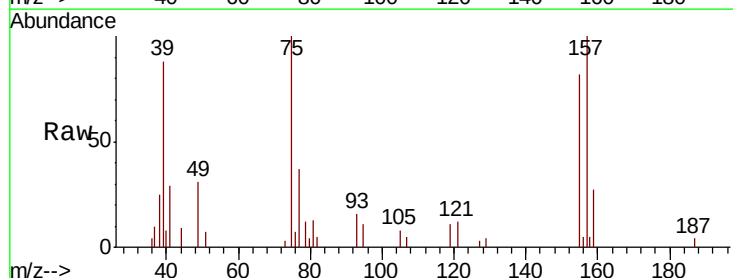
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

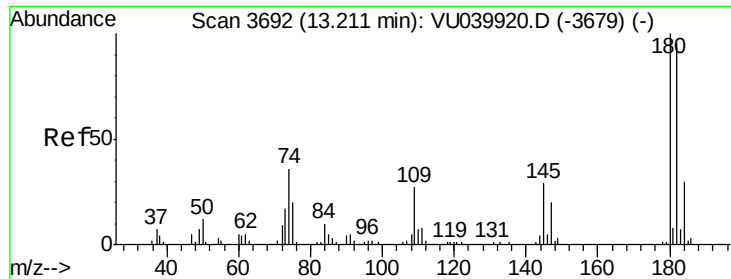
Tot Ion:146 Resp: 73341
 Ion Ratio Lower Upper
 146 100
 111 40.2 33.4 50.0
 148 63.0 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.812 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion: 75 Resp: 5702
 Ion Ratio Lower Upper
 75 100
 155 81.6 54.6 82.0
 157 99.9 72.2 108.4

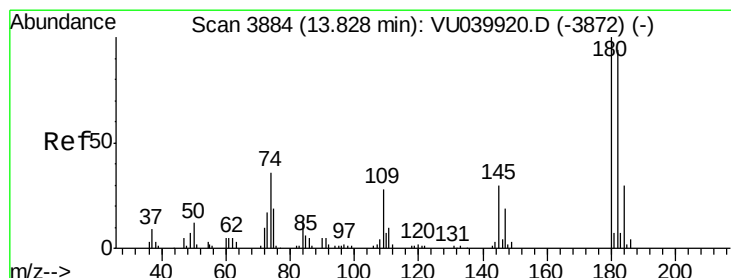
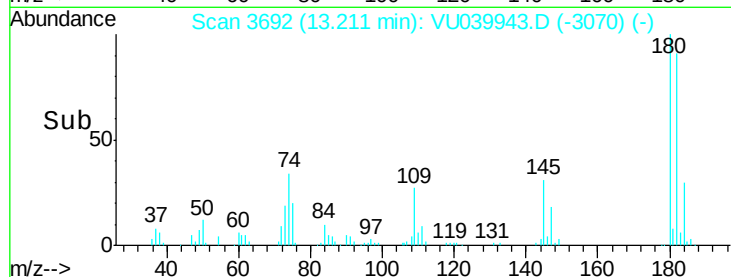
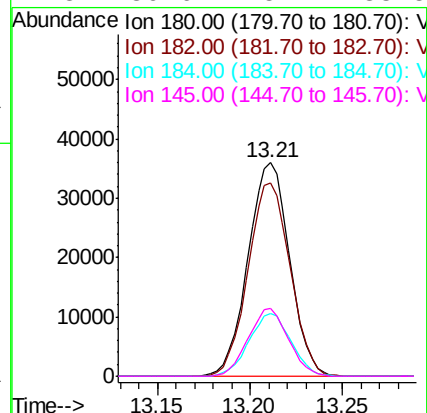
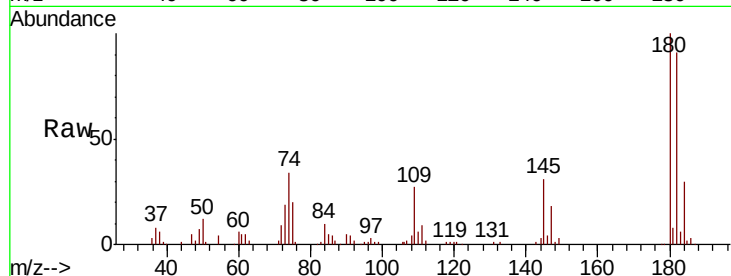




#67
 1,3,5-Trichlorobenzene
 Concen: 5.011 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

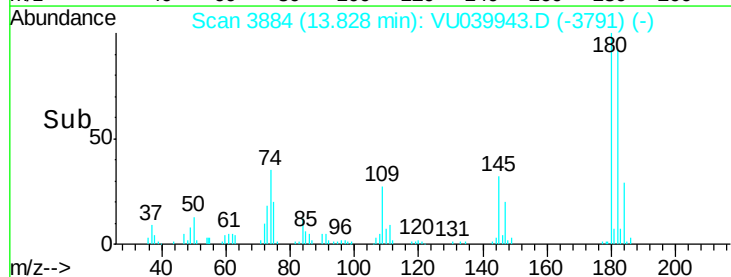
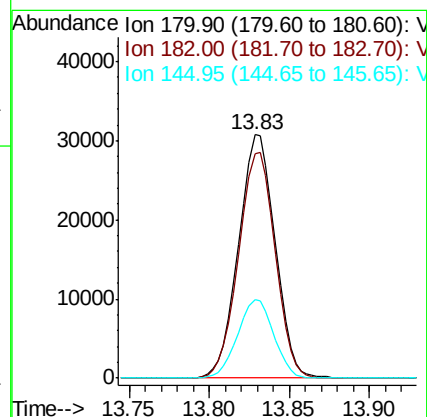
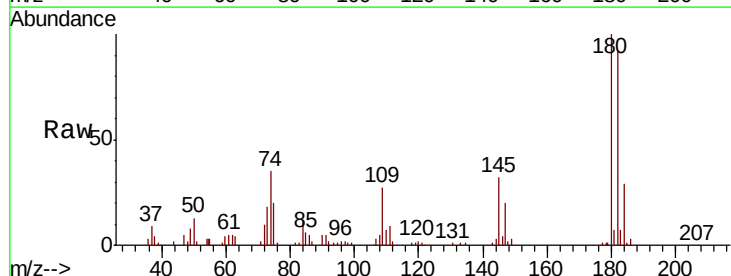
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

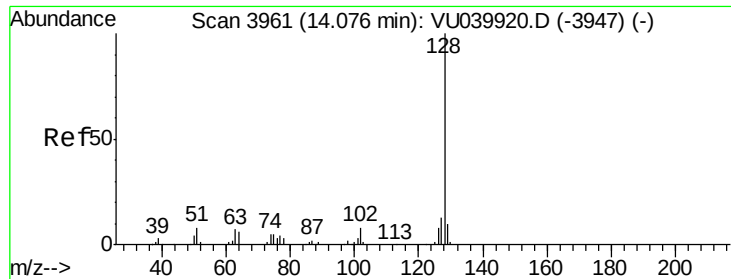
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	79.2	118.8
184	29.7	24.6	36.8
145	30.6	25.7	38.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.024 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039943.D
 Acq: 21 Aug 2020 21:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.2	112.8
145	31.8	24.6	36.8





#69

Naphthalene

Concen: 5.332 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

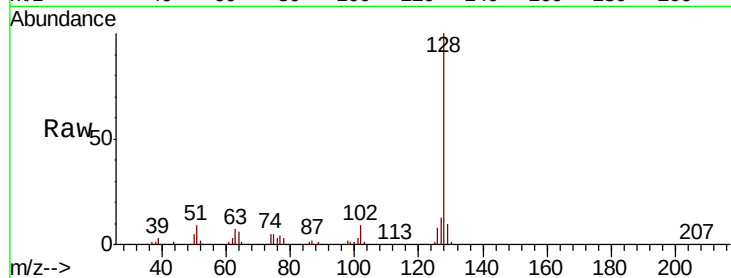
Tot Ion:128 Resp: 93693

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

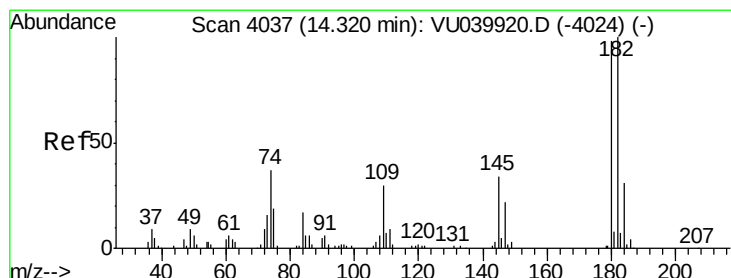
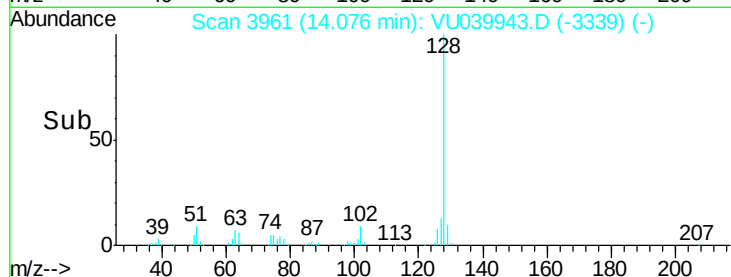
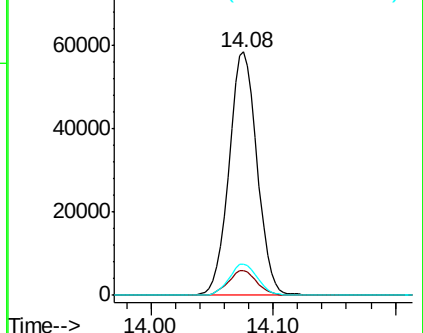
127 13.0 10.2 15.4



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: 4.927 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039943.D

Acq: 21 Aug 2020 21:15

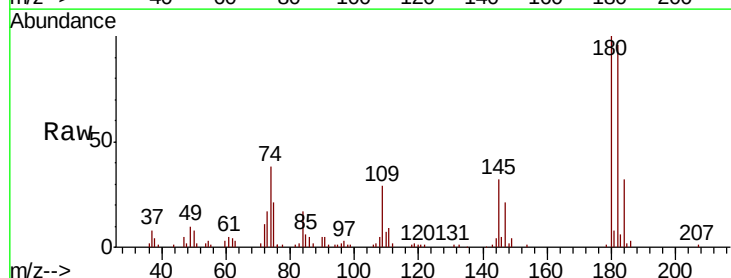
Tgt Ion:180 Resp: 43800

Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.6

145 33.0 26.4 39.6



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

