

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039308.D
 Acq On : 06 Jul 2020 21:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Jul 07 01:22:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108228	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	46020	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.93	69	45156	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.58	63	85497	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	4.65	46	169617	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	5.09	84	89645	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.72	65	52825	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	174036	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.71	67	56741	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.91	98	157466	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	8.19	79	24481	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	136373	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	52088	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	59207	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	33842	5.225	ug/L	98
3) Chloromethane	1.53	50	35681	4.323	ug/L	92
5) Vinyl chloride	1.61	62	42592	5.019	ug/L	98
6) Bromomethane	1.87	94	8902	1.711	ug/L	96
8) Chloroethane	1.94	64	32026	5.514	ug/L	99
9) Trichlorofluoromethane	2.15	101	71791	4.837	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	33996	5.252	ug/L	96
12) 1,1-Dichloroethene	2.59	96	32479	5.034	ug/L	90
13) Acetone	2.66	43	76631	49.055	ug/L	99
14) Carbon disulfide	2.81	76	105639	5.135	ug/L	100
15) Methyl Acetate	2.97	43	21010	5.376	ug/L	100
16) Methylene chloride	3.06	84	37896	4.612	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	106306	5.009	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	36304	5.175	ug/L	93
19) 1,1-Dichloroethane	3.89	63	71274	5.071	ug/L	99
21) 2-Butanone	4.73	43	144662	50.879	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	40376	5.051	ug/L	96

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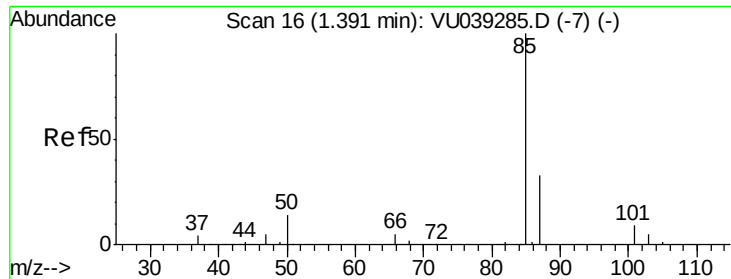
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	18047	5.011	ug/L #	93
25) Chloroform	5.11	83	72553	4.956	ug/L	98
27) 1,2-Dichloroethane	5.81	62	52924	5.017	ug/L	97
29) 1,1,1-Trichloroethane	5.34	97	63325	5.094	ug/L	98
30) Cyclohexane	5.41	56	68214	5.479	ug/L	97
31) Carbon tetrachloride	5.54	117	53570	5.125	ug/L	99
33) Benzene	5.79	78	157389	5.160	ug/L	100
34) Trichloroethene	6.56	95	41254	5.245	ug/L	94
35) Methylcyclohexane	6.78	83	64463	5.119	ug/L	100
37) 1,2-Dichloropropane	6.81	63	43641	5.128	ug/L	100
38) Bromodichloromethane	7.12	83	55667	5.018	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	63968	4.836	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	356299	49.473	ug/L	99
42) Toluene	7.98	91	167833	5.055	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	56071	4.706	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	31802	5.025	ug/L	97
47) Tetrachloroethene	8.56	164	28866	5.223	ug/L	95
48) 2-Hexanone	8.69	43	260331	48.606	ug/L	98
49) Dibromochloromethane	8.82	129	37899	4.769	ug/L	99
50) 1,2-Dibromoethane	8.93	107	31667	4.976	ug/L	98
51) Chlorobenzene	9.45	112	103114	5.022	ug/L	99
52) Ethylbenzene	9.57	91	187456	5.073	ug/L	99
53) m,p-Xylene	9.70	106	69467	4.984	ug/L	100
54) o-Xylene	10.10	106	69593	5.036	ug/L	100
55) Styrene	10.11	104	115878	4.796	ug/L	98
56) Isopropylbenzene	10.48	105	185198	4.949	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	42656	4.771	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	30602	4.785	ug/L	97
61) Bromoform	10.29	173	22150	4.806	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	82408	5.073	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	81610	5.114	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	78560	4.937	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	7265	4.577	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	59804	5.010	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	52933	5.129	ug/L	98
69) Naphthalene	14.08	128	104768	5.295	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	48469	5.150	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.225 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

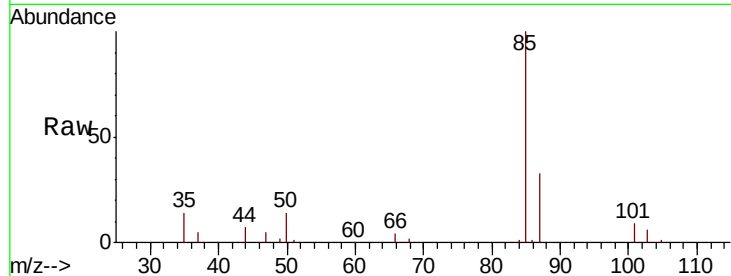
VSTD00528

Tot Ion: 85 Resp: 33842

Ion Ratio Lower Upper

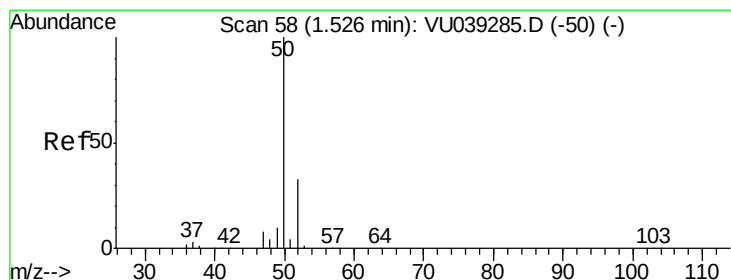
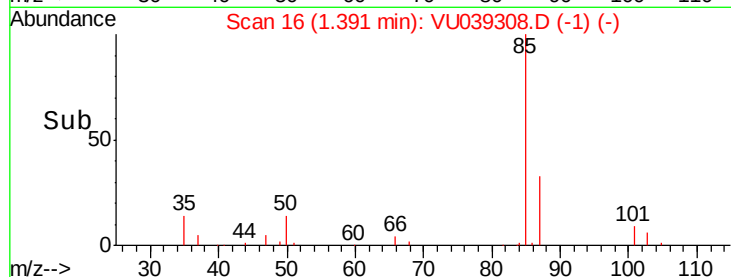
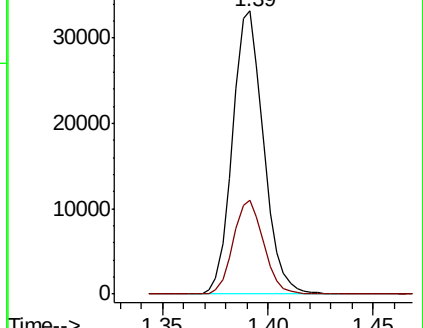
85 100

87 32.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039308.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039308.D (-7) (-)



#3

Chloromethane

Concen: 4.323 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039308.D

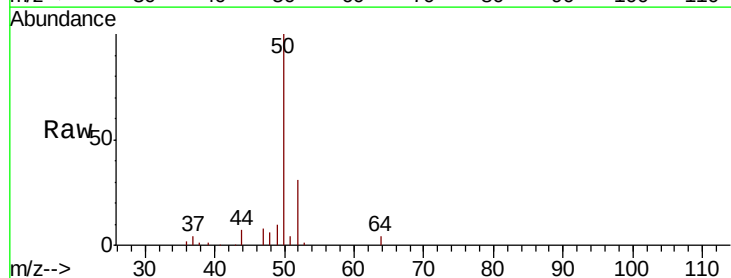
Acq: 06 Jul 2020 21:47

Tgt Ion: 50 Resp: 35681

Ion Ratio Lower Upper

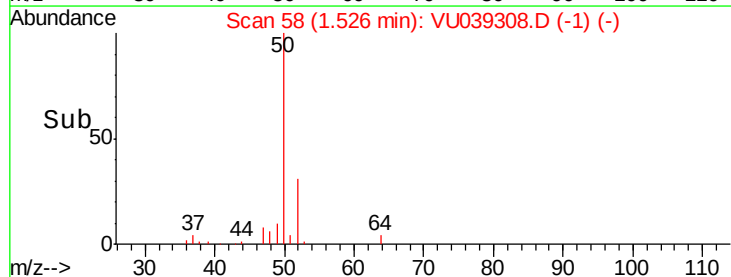
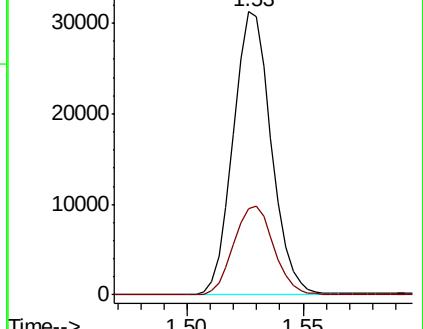
50 100

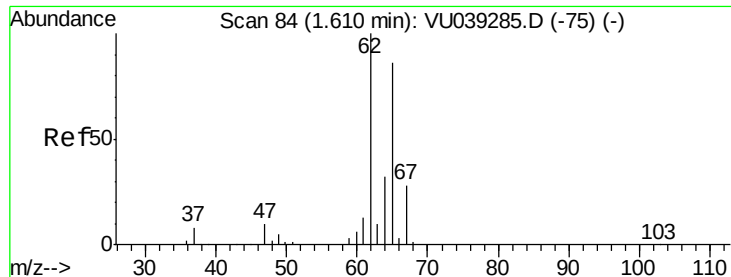
52 30.6 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039308.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039308.D (-50) (-)





#5

Vinyl chloride

Concen: 5.019 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

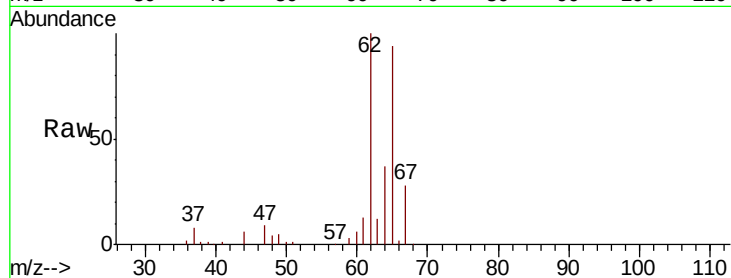
VSTD00528

Tot Ion: 62 Resp: 42592

Ion Ratio Lower Upper

62 100

64 37.5 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039285.D (-75) (-)

1.61

40000

30000

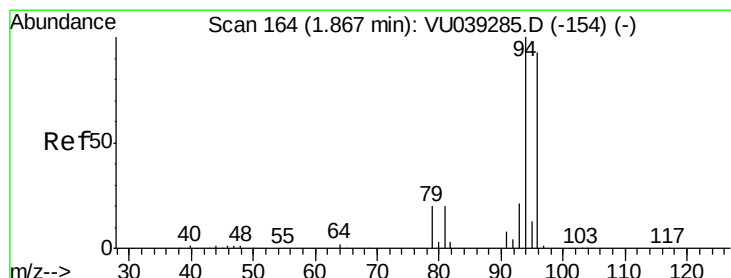
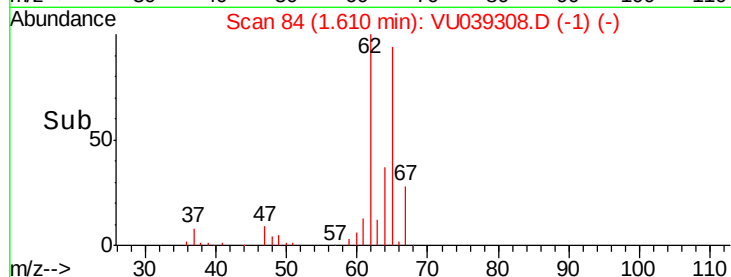
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 1.711 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039308.D

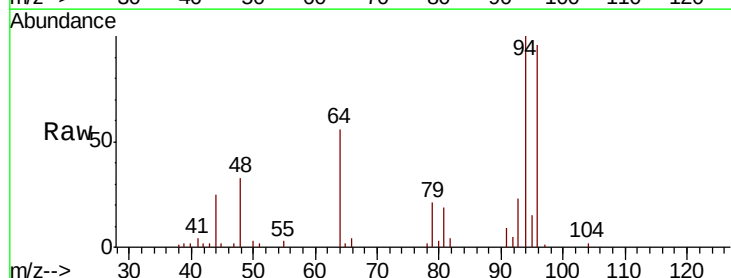
Acq: 06 Jul 2020 21:47

Tgt Ion: 94 Resp: 8902

Ion Ratio Lower Upper

94 100

96 95.9 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU039285.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039285.D (-154) (-)

1.87

8000

6000

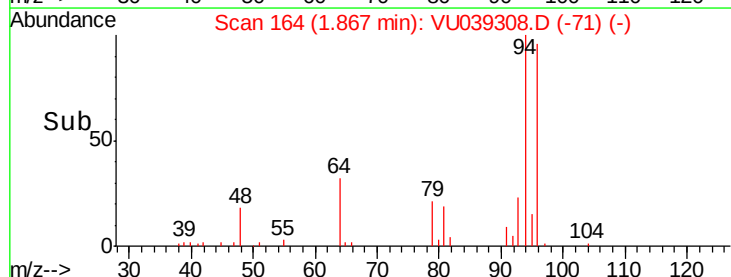
4000

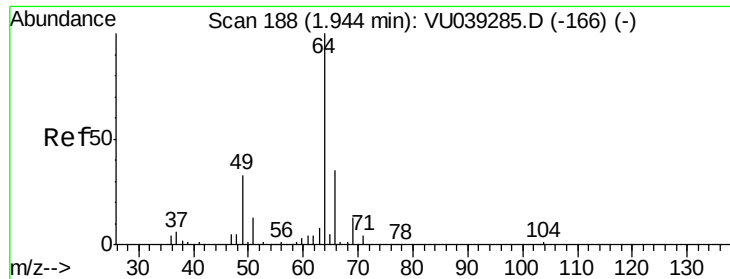
2000

0

1.85 1.90

Time-->

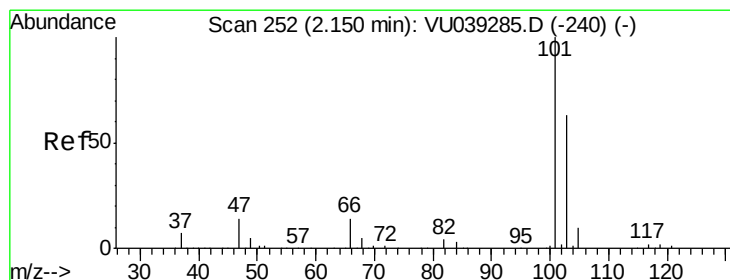
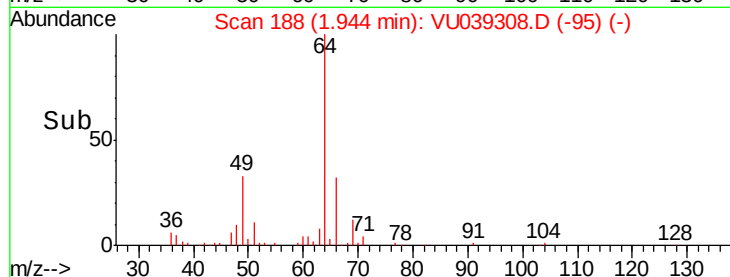
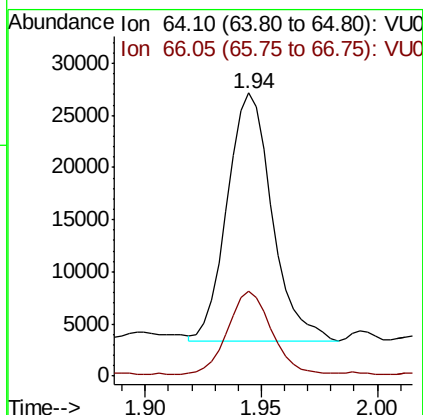
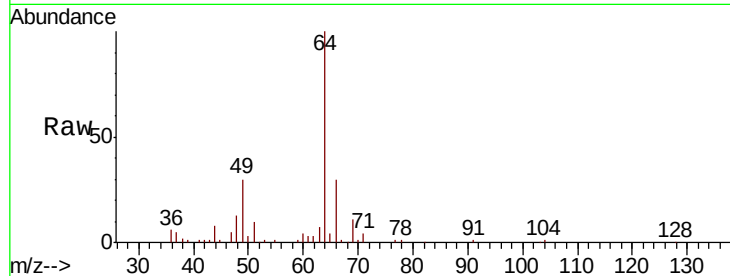




#8
Chloroethane
Concen: 5.514 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

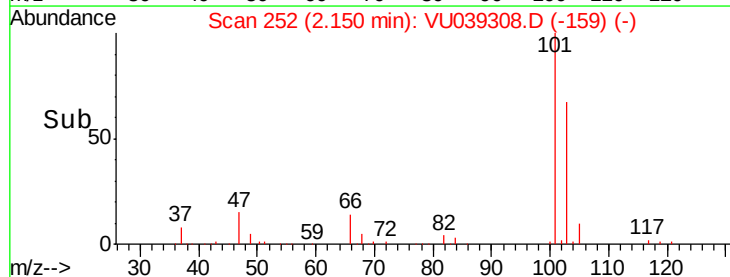
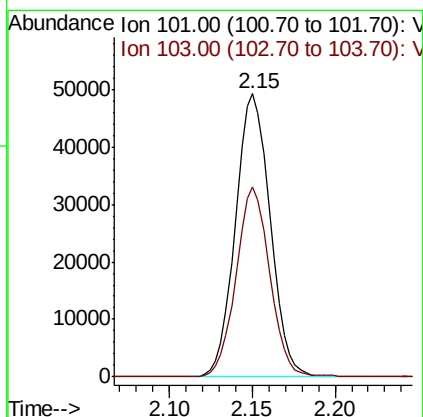
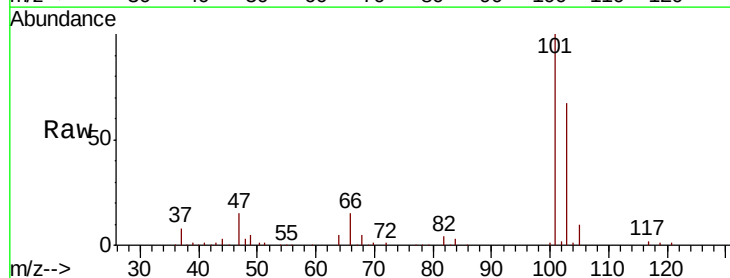
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

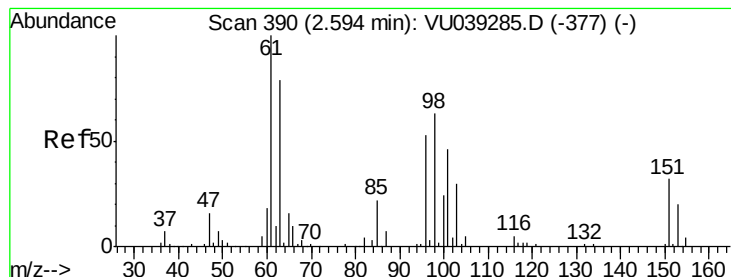
Tot Ion: 64 Resp: 32026
Ion Ratio Lower Upper
64 100
66 30.2 20.7 38.5



#9
Trichlorofluoromethane
Concen: 4.837 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion:101 Resp: 71791
Ion Ratio Lower Upper
101 100
103 65.4 53.4 80.2





#10

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

Concen: 5.252 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

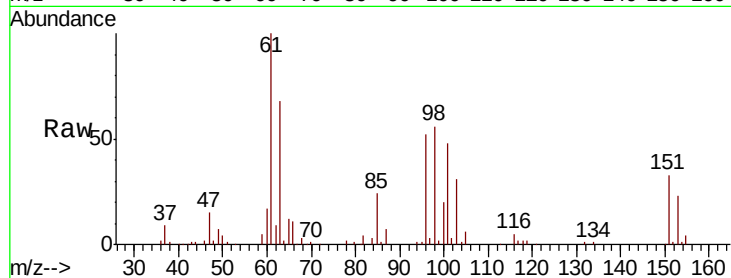
Tot Ion:101 Resp: 33996

Ion Ratio Lower Upper

101 100

85 46.3 38.4 57.6

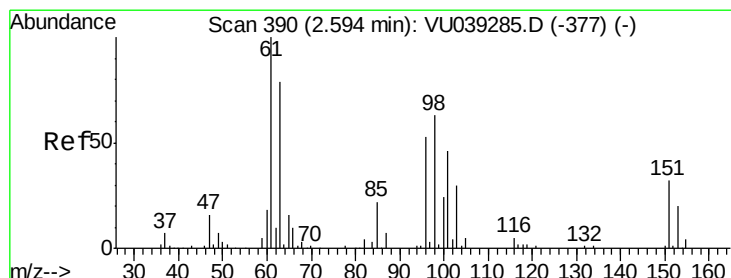
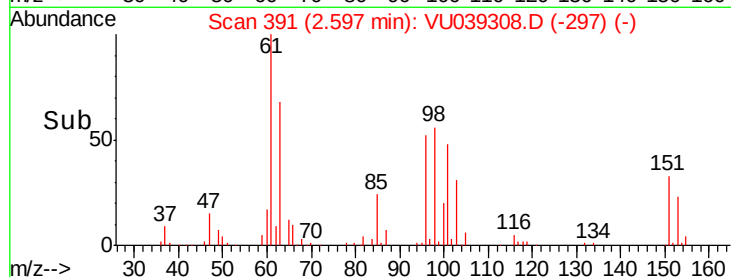
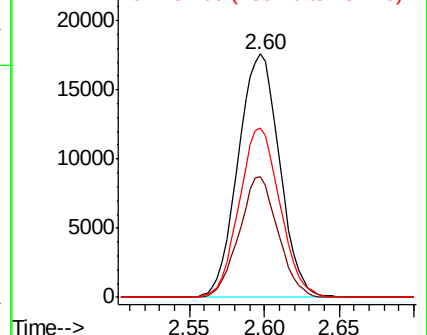
151 68.6 58.3 87.5



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: 5.034 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

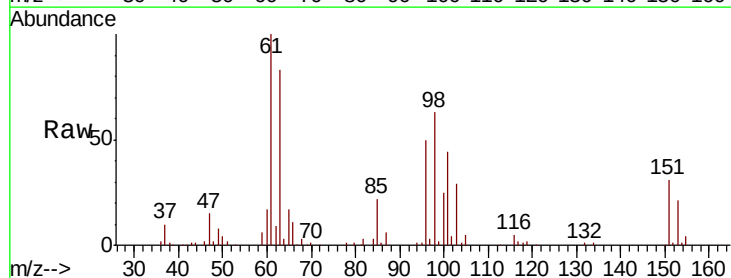
Tgt Ion: 96 Resp: 32479

Ion Ratio Lower Upper

96 100

61 199.1 123.8 230.0

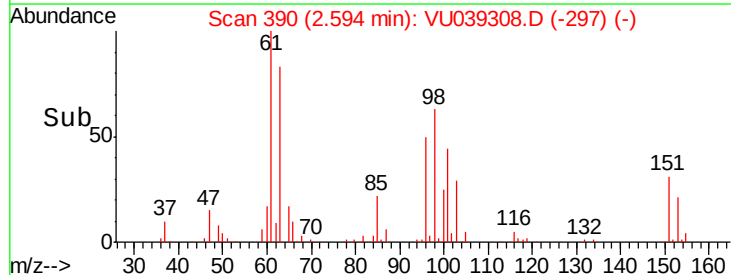
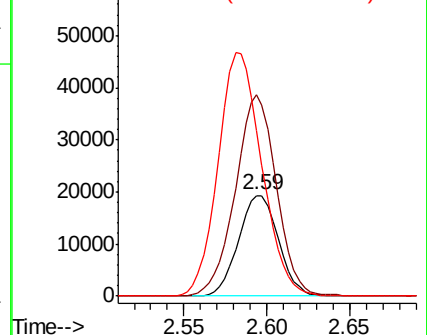
63 164.4 112.1 208.3

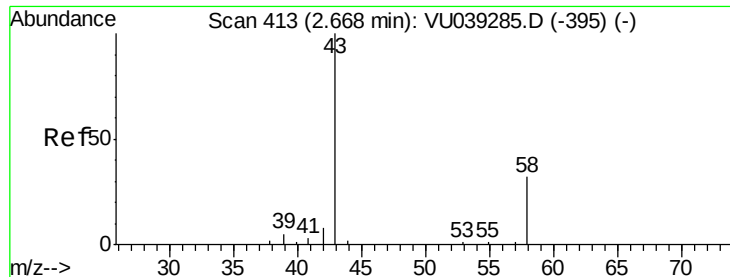


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.055 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampled :

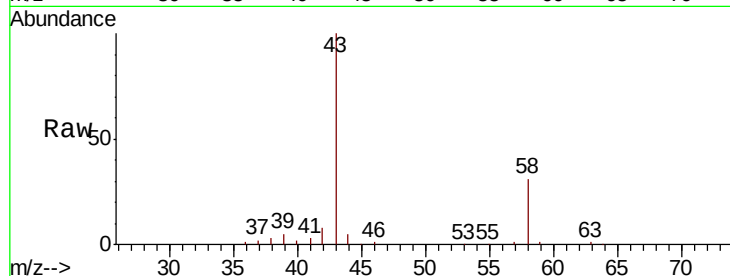
VSTD00528

Tot Ion: 43 Resp: 76631

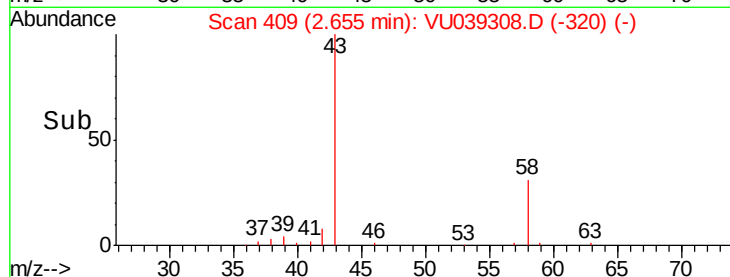
Ion Ratio Lower Upper

43 100

58 31.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039308.D (-320) (-)



Ion 58.05 (57.75 to 58.75): VU039308.D (-320) (-)

2.66

25000

20000

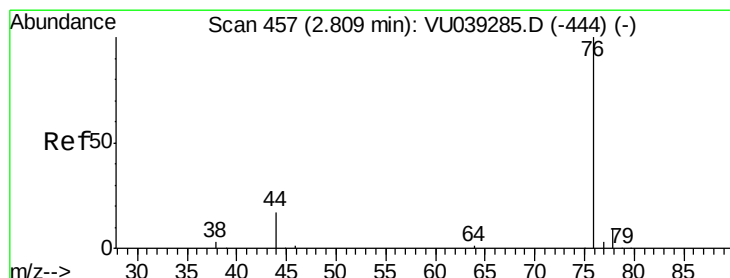
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.135 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039308.D

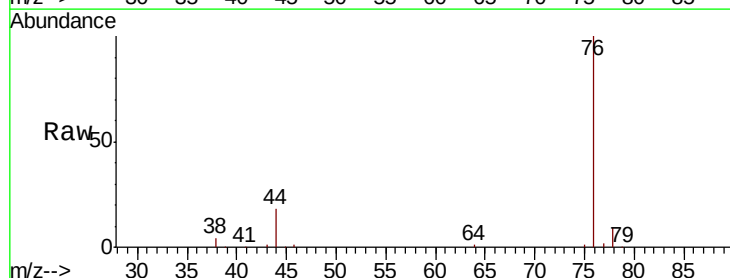
Acq: 06 Jul 2020 21:47

Tgt Ion: 76 Resp: 105639

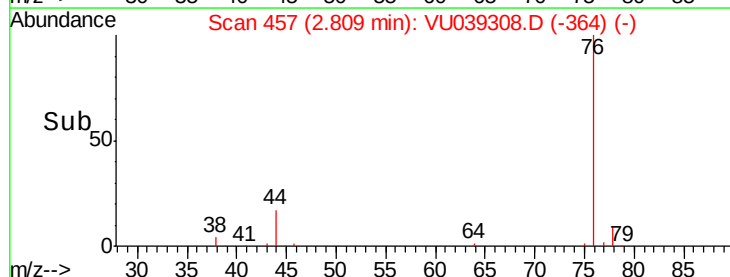
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039308.D (-364) (-)



Ion 78.00 (77.70 to 78.70): VU039308.D (-364) (-)

2.81

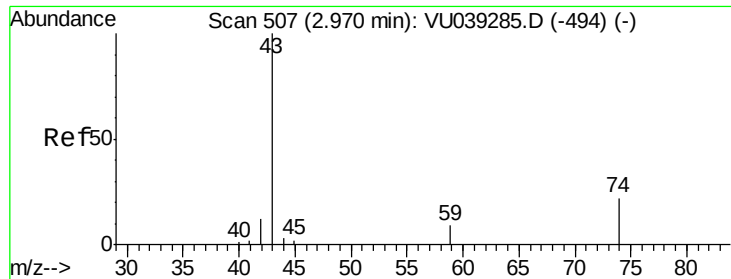
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40000

20000

0

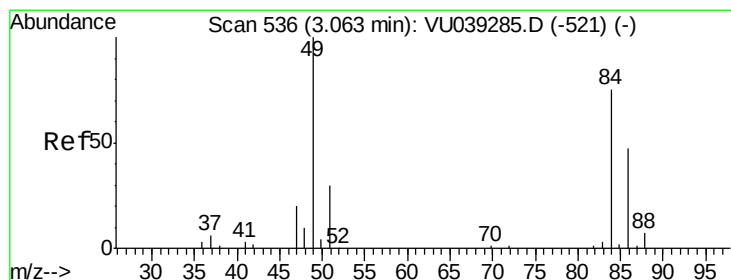
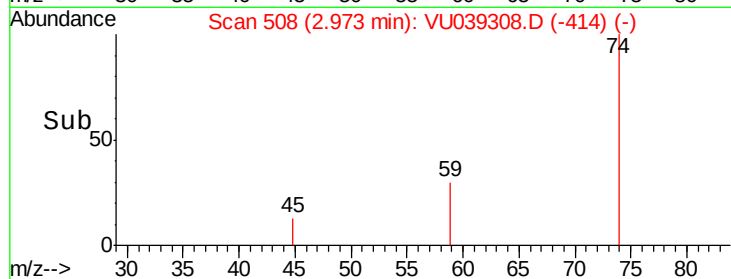
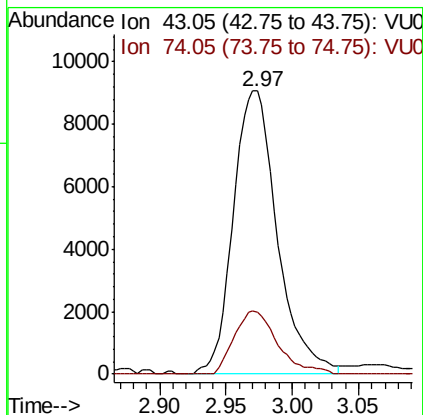
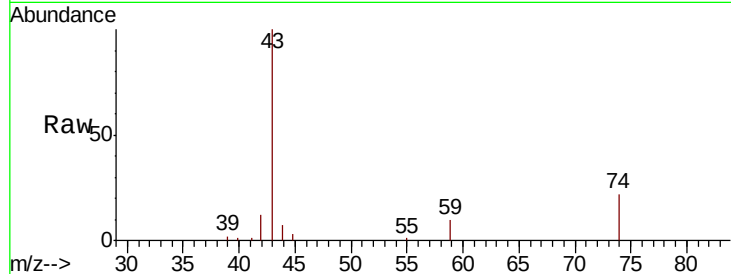
Time-->



#15
Methvl Acetate
Concen: 5.376 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

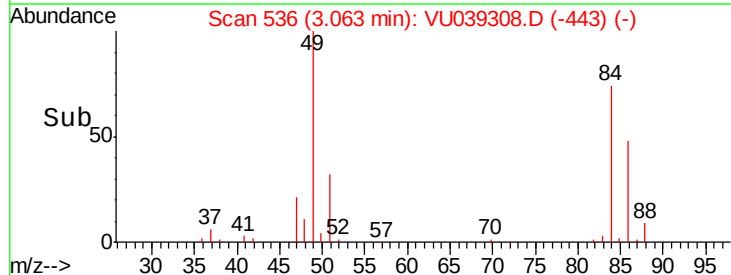
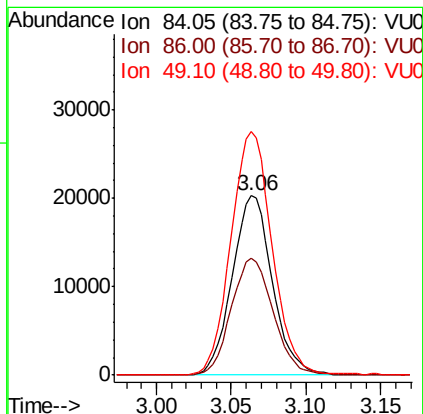
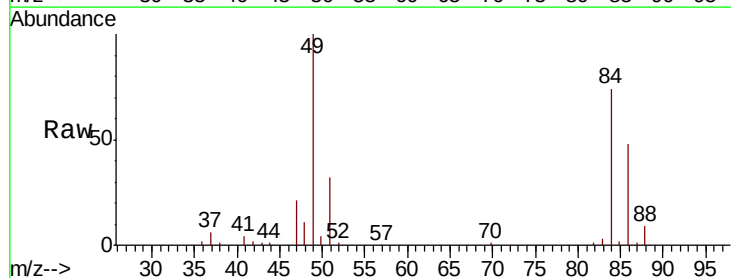
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

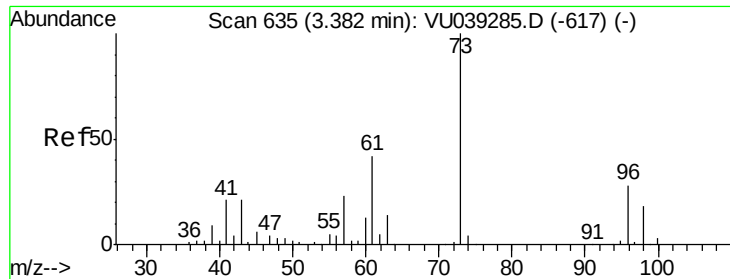
Tot Ion: 43 Resp: 21010
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3



#16
Methylene chloride
Concen: 4.612 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion: 84 Resp: 37896
Ion Ratio Lower Upper
84 100
86 65.3 42.6 79.0
49 135.7 93.0 172.8

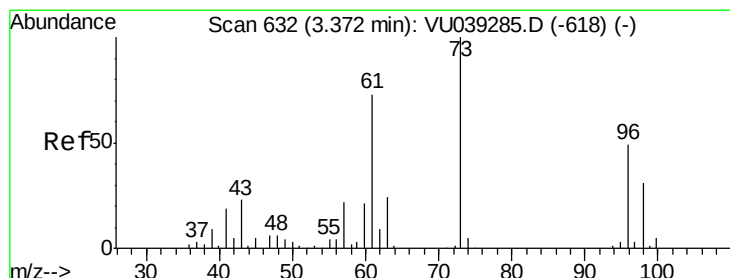
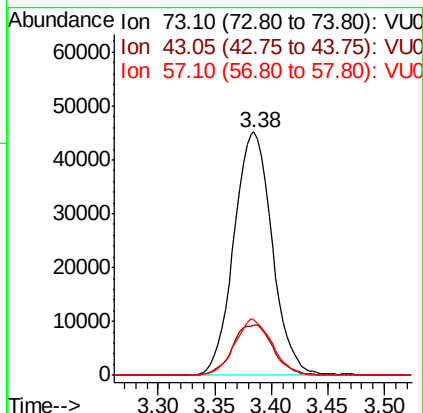
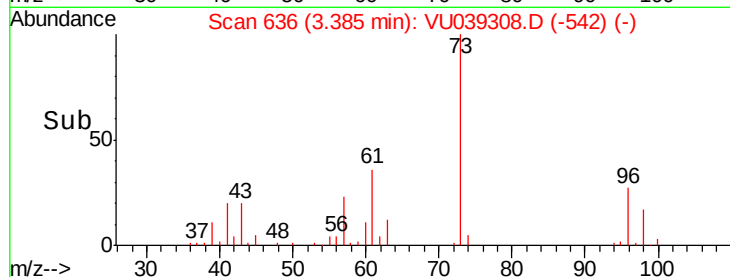
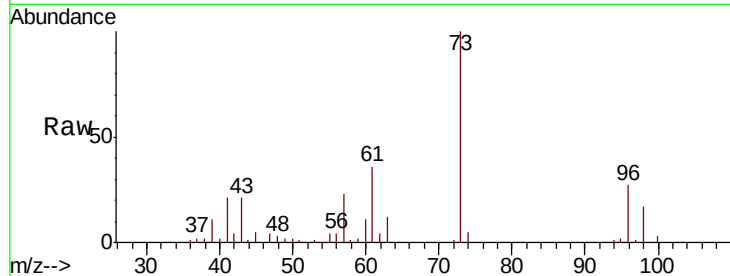




#17
Methyl tert-butyl Ether
Concen: 5.009 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

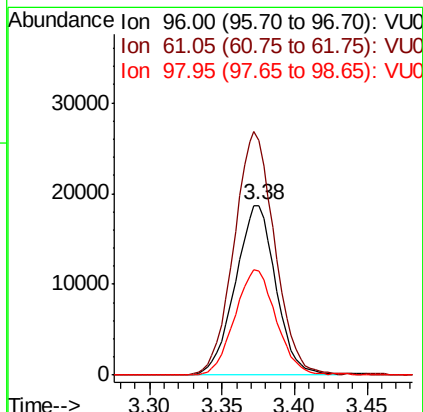
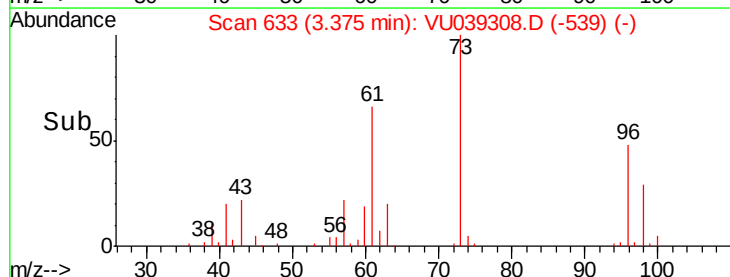
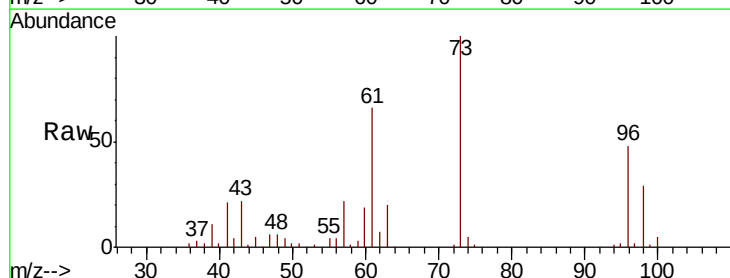
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

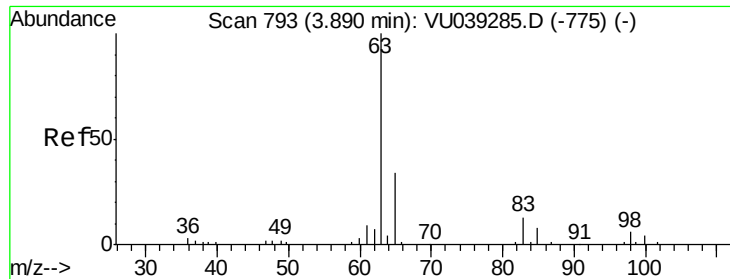
Tot Ion: 73 Resp: 106306
Ion Ratio Lower Upper
73 100
43 22.1 17.5 26.3
57 22.8 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 5.175 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion: 96 Resp: 36304
Ion Ratio Lower Upper
96 100
61 137.8 104.7 194.5
98 61.3 43.1 80.1

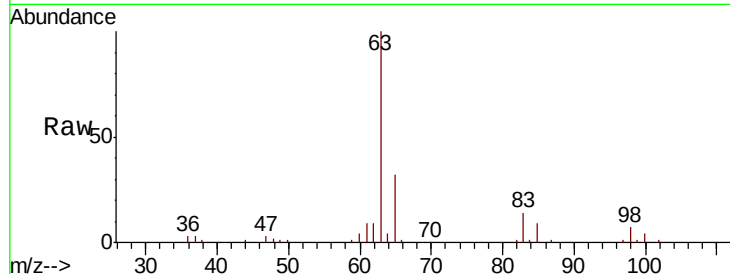




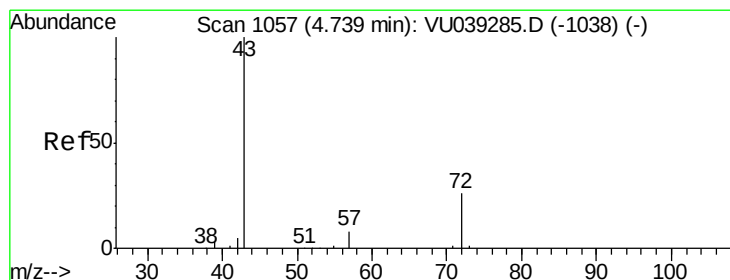
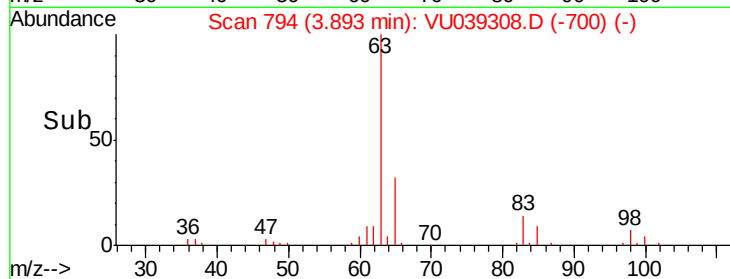
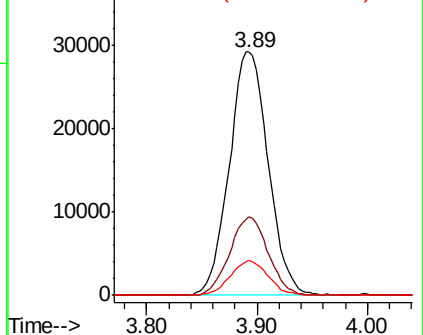
#19
 1,1-Dichloroethane
 Concen: 5.071 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 63 Resp: 71274
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.3
 83 14.2 9.1 16.9

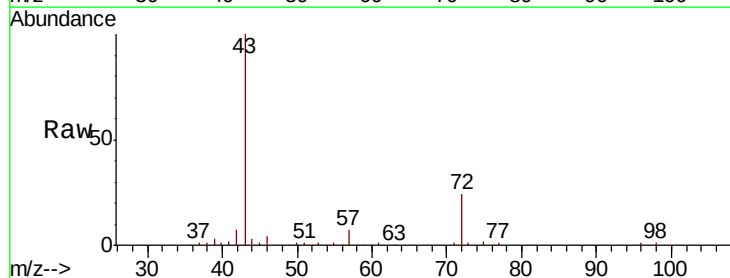


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

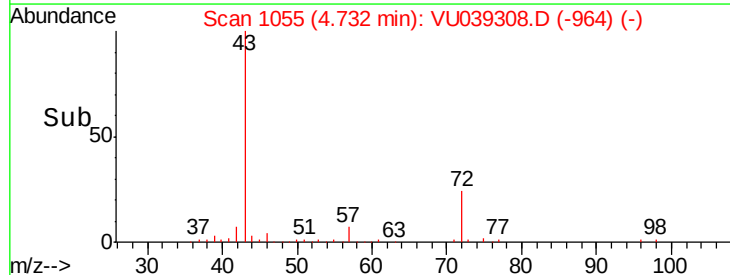
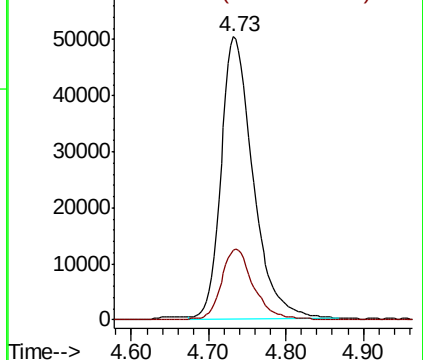


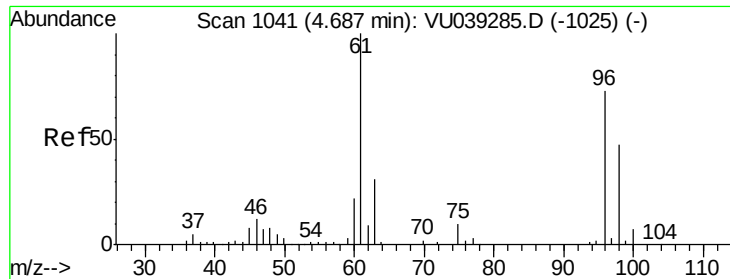
#21
 2-Butanone
 Concen: 50.879 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Tgt Ion: 43 Resp: 144662
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.8 38.3



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: 5.051 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

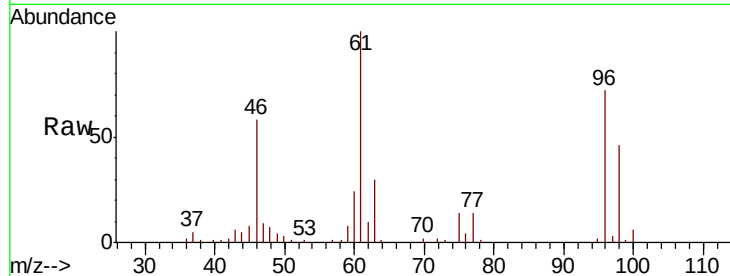
Tot Ion: 96 Resp: 40376

Ion Ratio Lower Upper

96 100

61 139.0 93.7 173.9

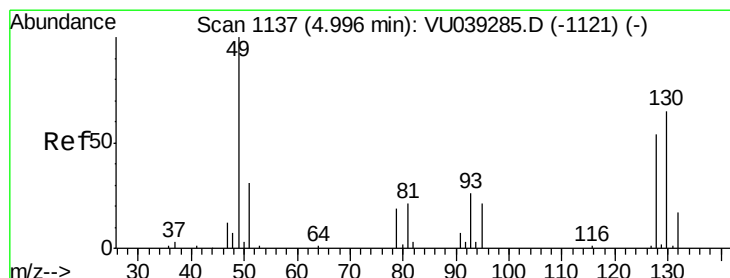
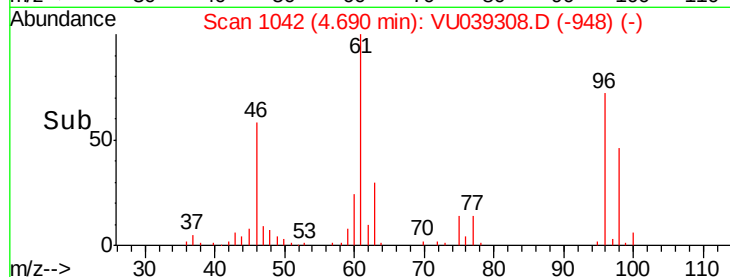
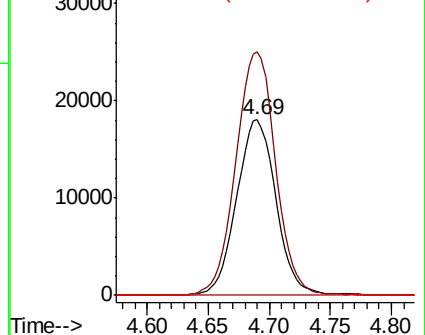
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039308.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039308.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039308.D (-1042) (-)



#23

Bromochloromethane

Concen: 5.011 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Tgt Ion: 128 Resp: 18047

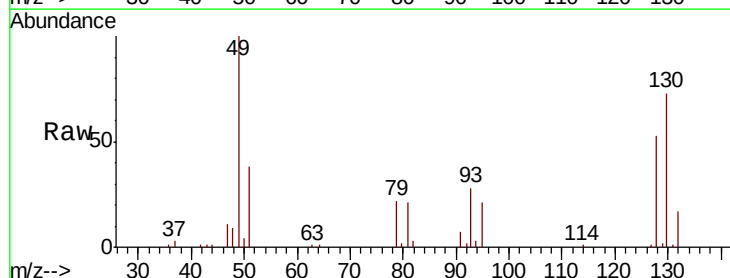
Ion Ratio Lower Upper

128 100

49 187.5 128.7 238.9

130 136.2 89.7 166.5

51 70.9 43.5 65.3#

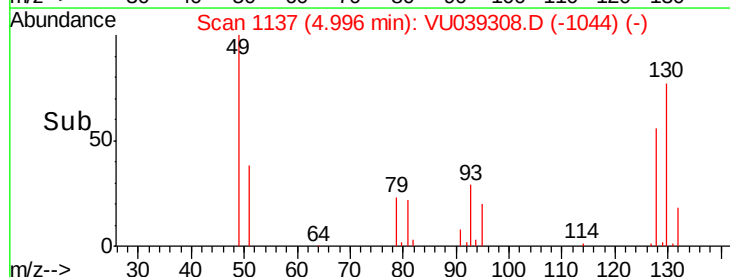
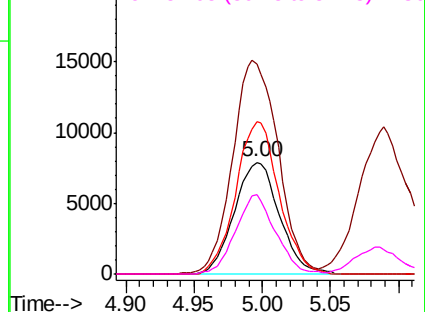


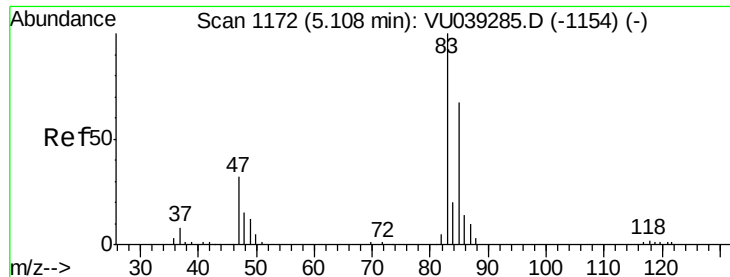
Abundance Ion 127.90 (127.60 to 128.60): VU039308.D (-1137) (-)

Ion 49.10 (48.80 to 49.80): VU039308.D (-1137) (-)

Ion 129.95 (129.65 to 130.65): VU039308.D (-1137) (-)

Ion 51.05 (50.75 to 51.75): VU039308.D (-1137) (-)

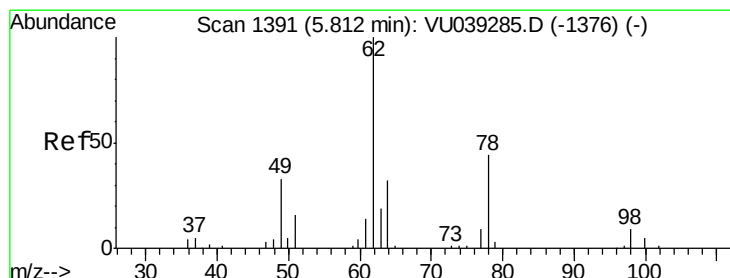
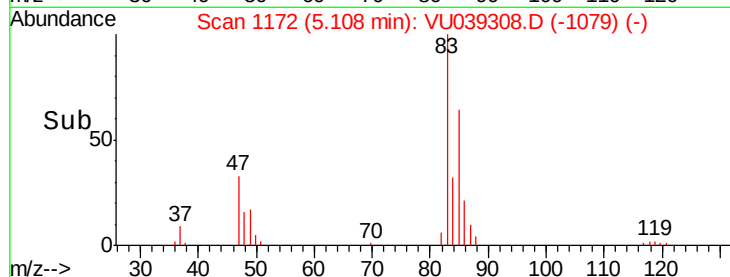
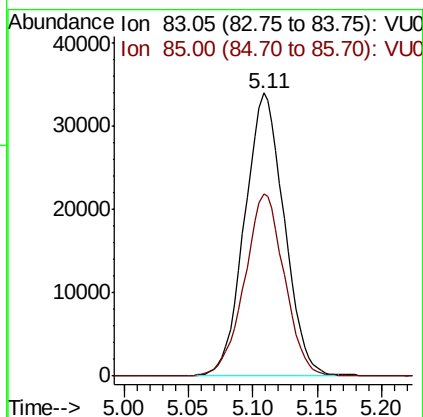
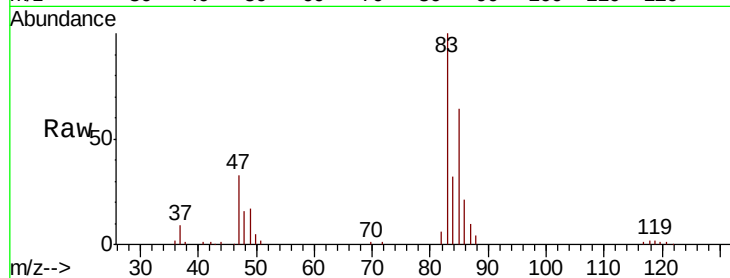




#25
Chloroform
Concen: 4.956 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

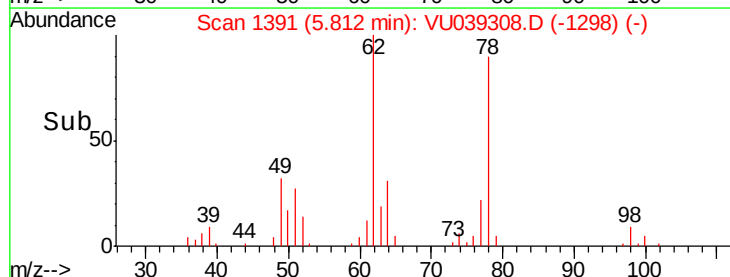
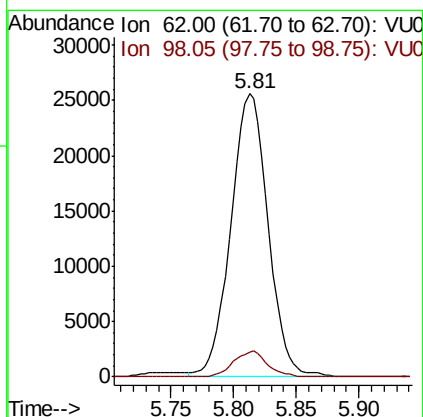
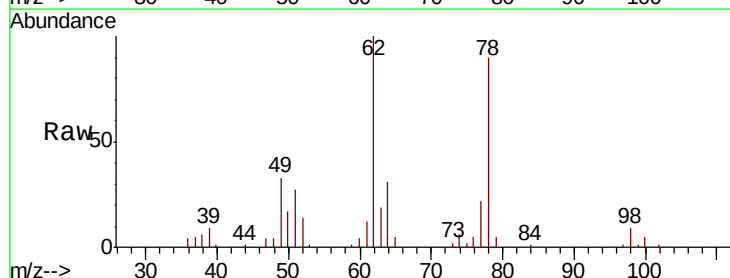
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

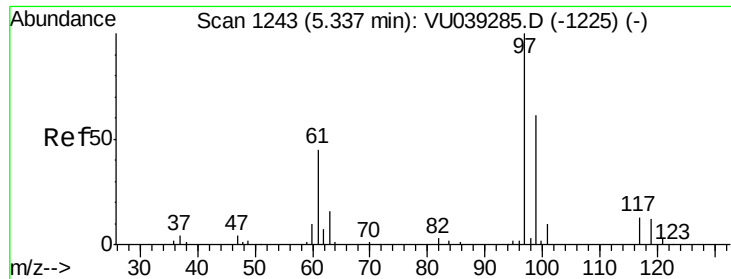
Tot Ion: 83 Resp: 72553
Ion Ratio Lower Upper
83 100
85 64.3 46.3 86.1



#27
1,2-Dichloroethane
Concen: 5.017 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion: 62 Resp: 52924
Ion Ratio Lower Upper
62 100
98 9.0 6.2 9.4

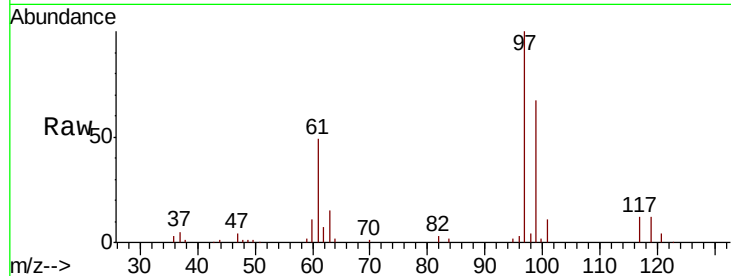




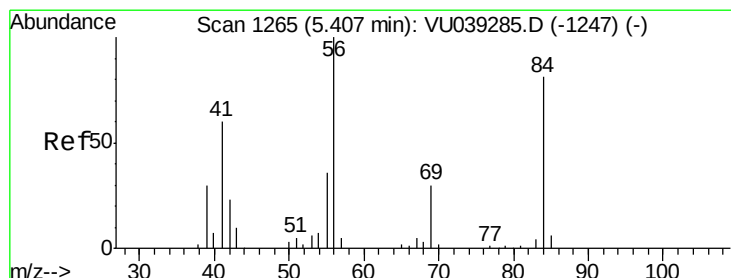
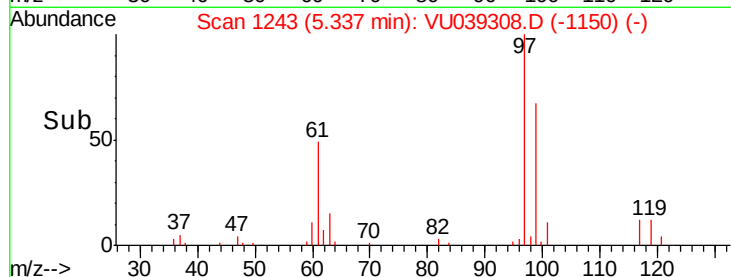
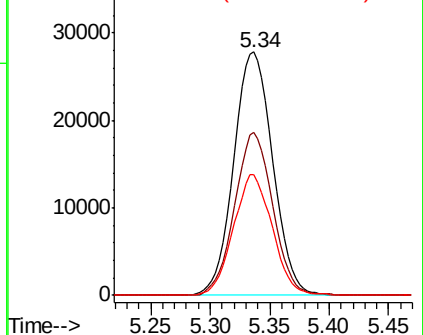
#29
1,1,1-Trichloroethane
Concen: 5.094 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 97 Resp: 63325
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 49.1 37.9 56.9

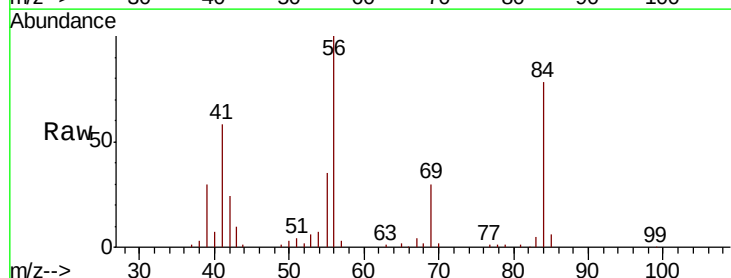


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

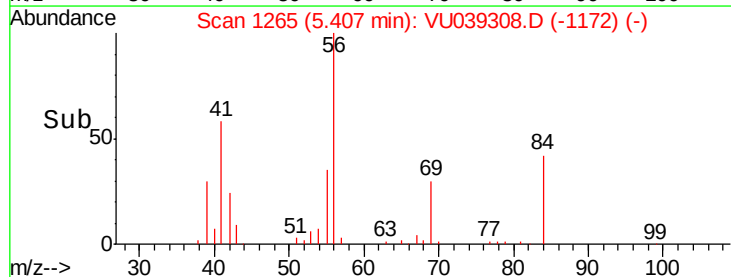
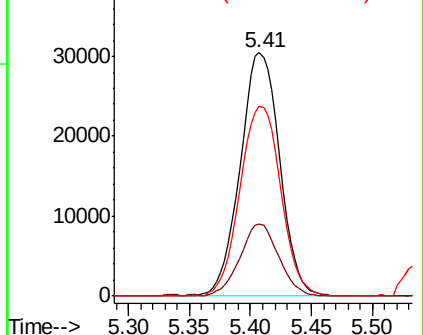


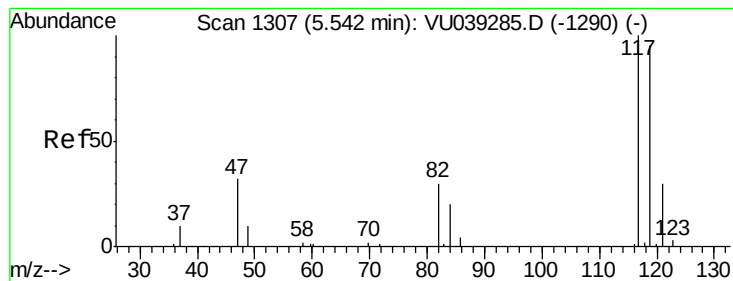
#30
Cyclohexane
Concen: 5.479 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion: 56 Resp: 68214
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.4
84 80.8 67.0 100.4



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: 5.125 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampled :

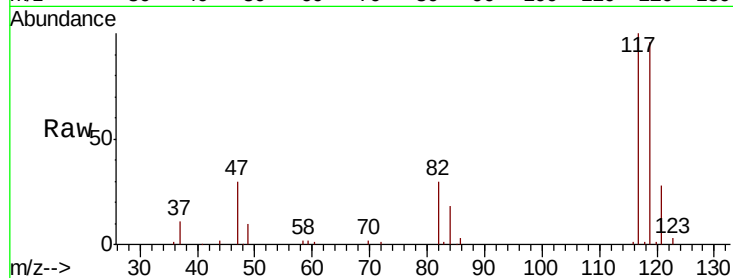
VSTD00528

Tot Ion:117 Resp: 53570

Ion Ratio Lower Upper

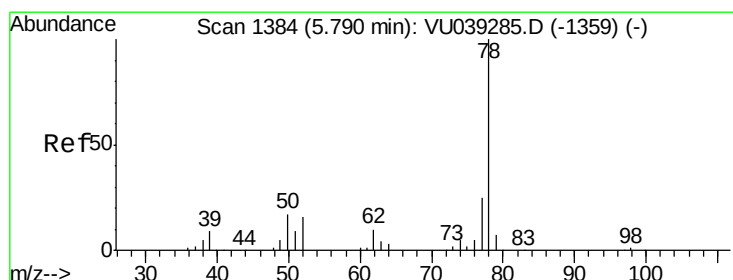
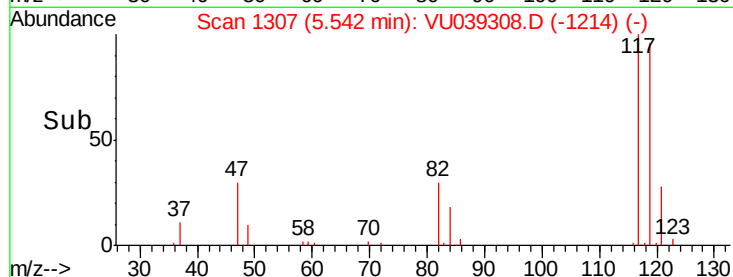
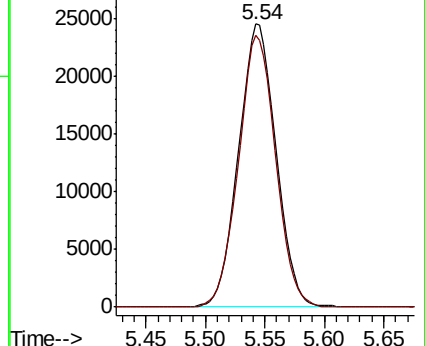
117 100

119 95.1 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.160 ug/L

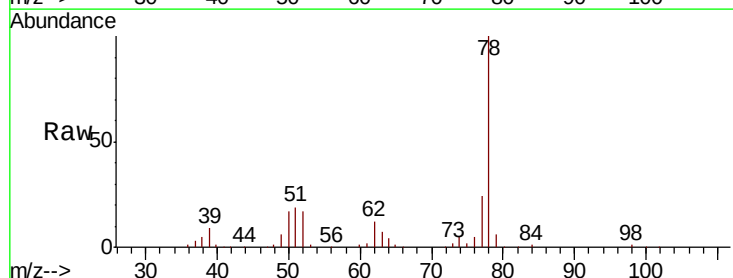
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

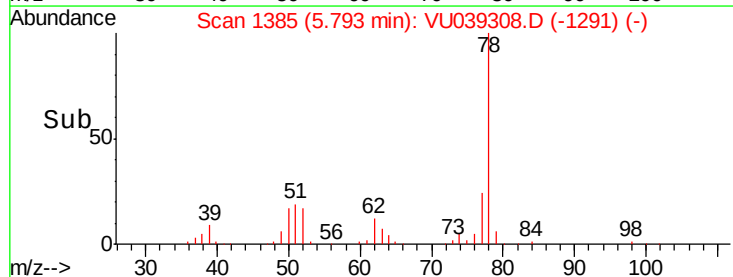
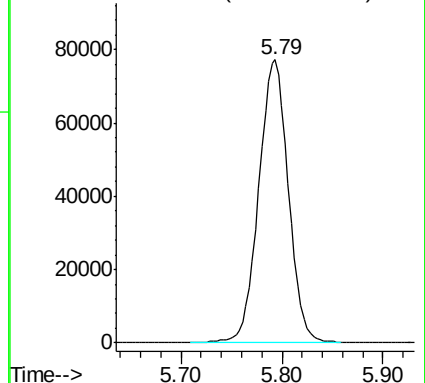
Lab File: VU039308.D

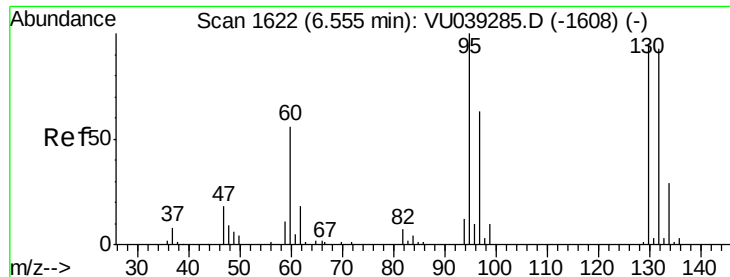
Acq: 06 Jul 2020 21:47

Tgt Ion: 78 Resp: 157389



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.245 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 95 Resp: 41254

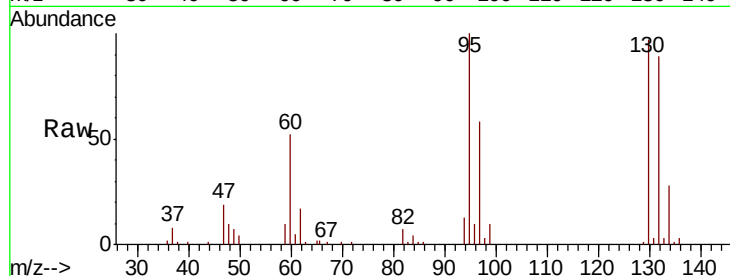
Ion Ratio Lower Upper

95 100

97 57.6 47.0 87.2

132 89.1 65.0 120.8

130 96.5 69.8 129.6

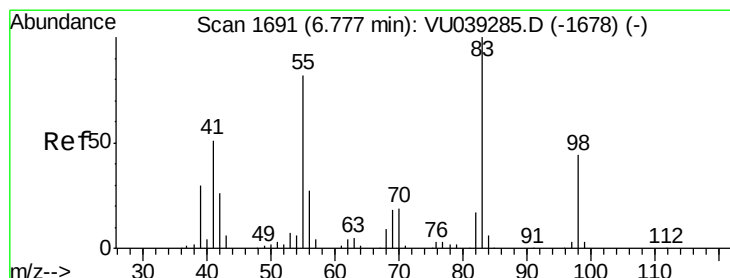
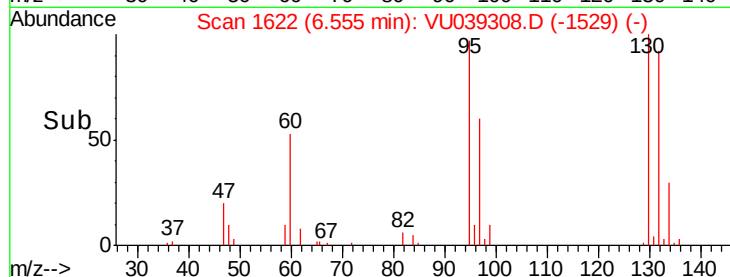
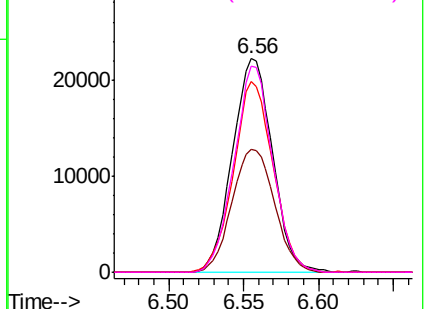


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.119 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

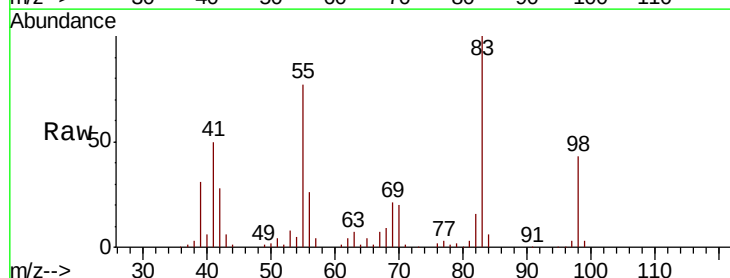
Tgt Ion: 83 Resp: 64463

Ion Ratio Lower Upper

83 100

55 79.0 63.3 94.9

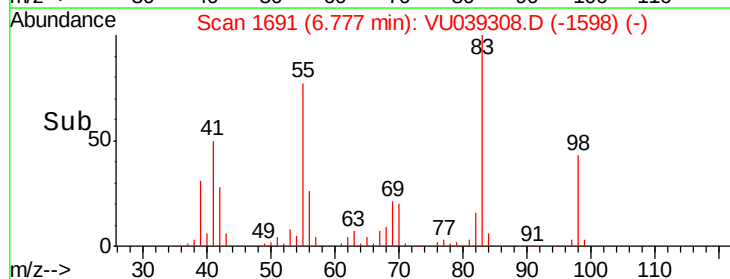
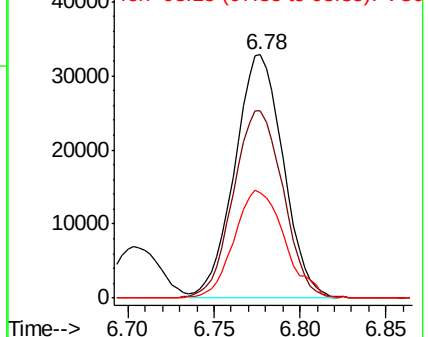
98 46.2 37.4 56.2

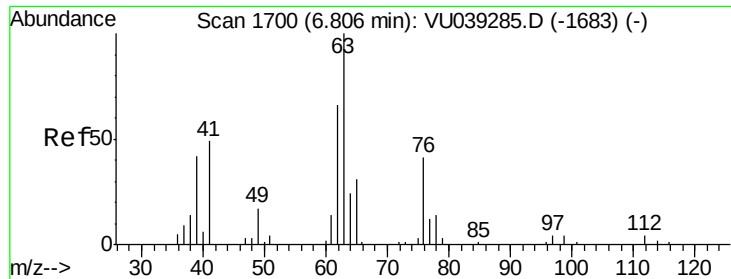


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

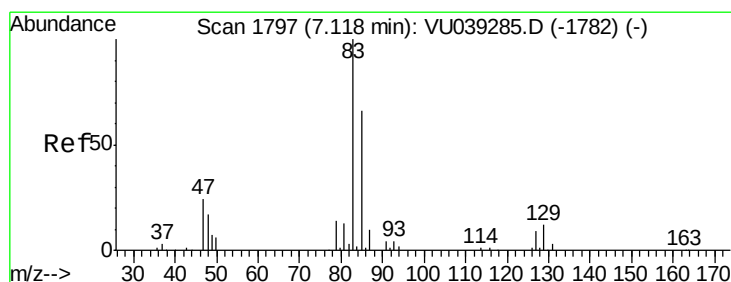
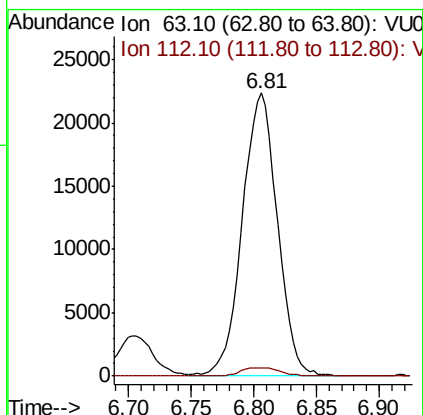
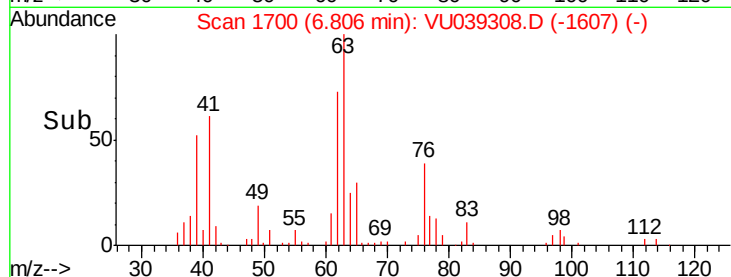
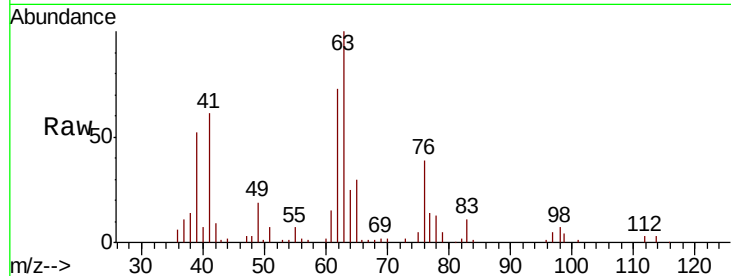




#37
 1,2-Dichloropropane
 Concen: 5.128 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

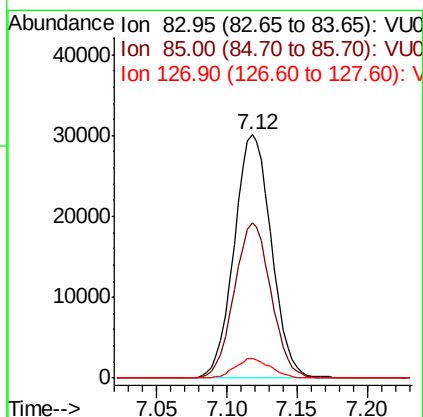
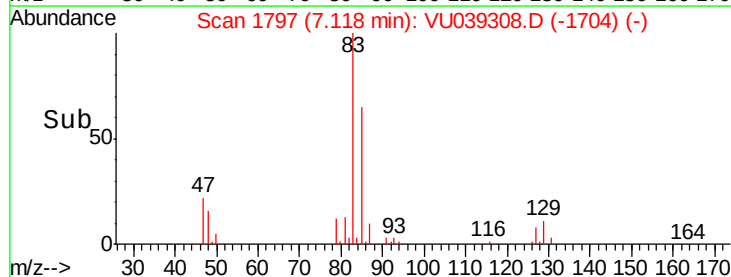
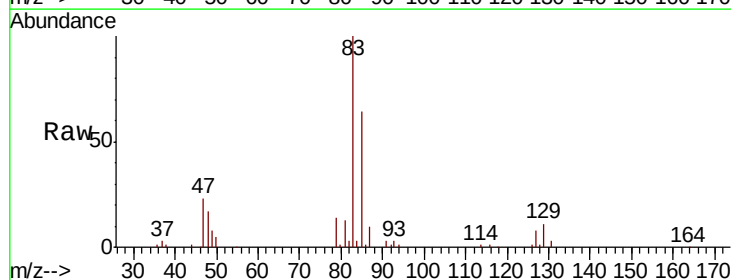
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

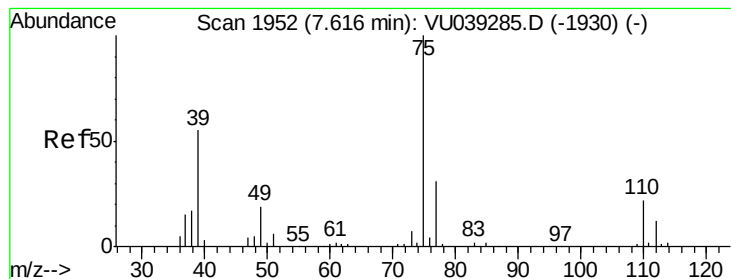
Tot Ion: 63 Resp: 43641
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 3.8



#38
 Bromodichloromethane
 Concen: 5.018 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Tgt Ion: 83 Resp: 55667
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.5 82.7
 127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.836 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

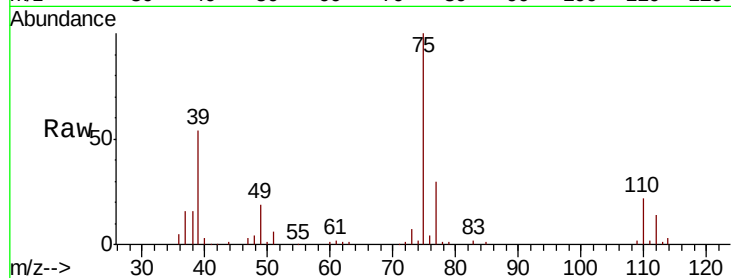
VSTD00528

Tot Ion: 75 Resp: 63968

Ion Ratio Lower Upper

75 100

77 30.2 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU039308.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039308.D (-1930) (-)

7.62

40000

30000

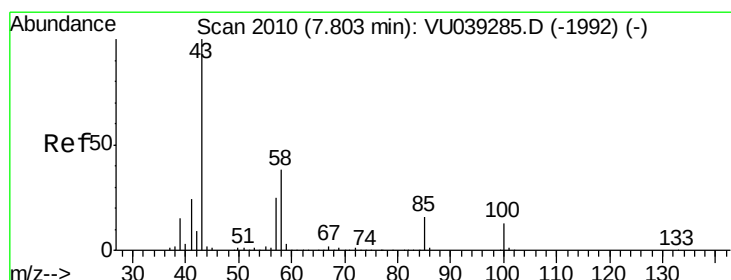
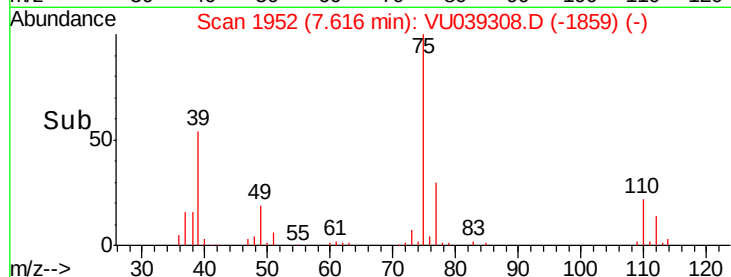
20000

10000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.473 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

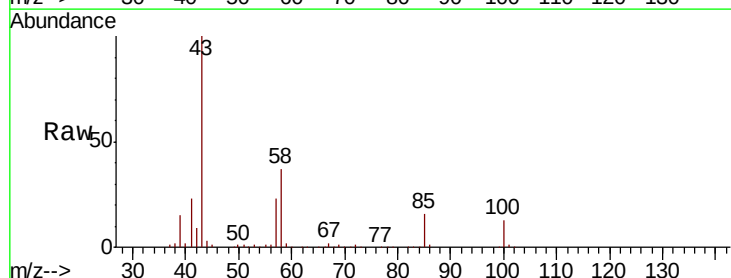
Tgt Ion: 43 Resp: 356299

Ion Ratio Lower Upper

43 100

58 37.4 30.3 45.5

100 12.8 10.6 15.8



Abundance Ion 43.05 (42.75 to 43.75): VU039308.D (-1992) (-)

Ion 58.05 (57.75 to 58.75): VU039308.D (-1992) (-)

Ion 100.15 (99.85 to 100.85): VU039308.D (-1992) (-)

7.80

250000

200000

150000

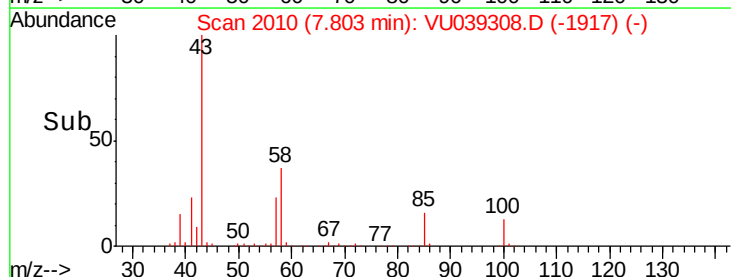
100000

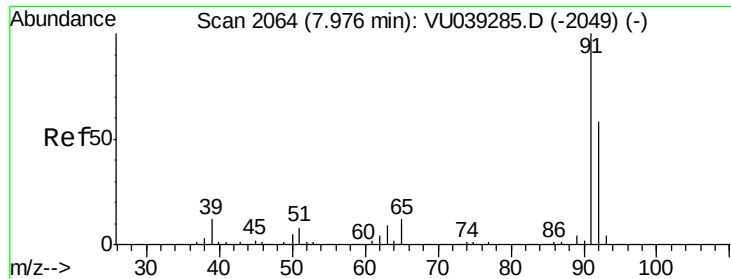
50000

0

7.70 7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 5.055 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

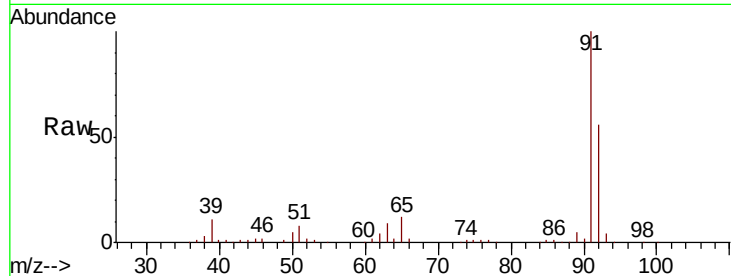
VSTD00528

Tot Ion: 91 Resp: 167833

Ion Ratio Lower Upper

91 100

92 55.6 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039285.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039285.D (-2049) (-)

7.98

100000

80000

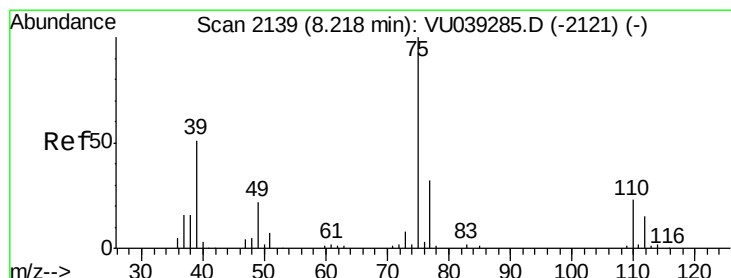
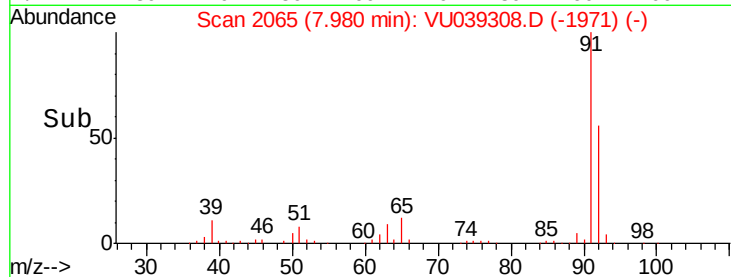
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.706 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039308.D

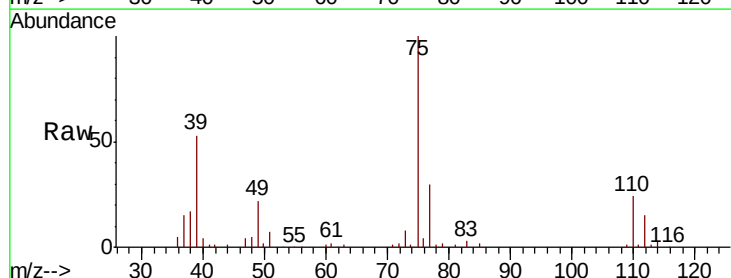
Acq: 06 Jul 2020 21:47

Tgt Ion: 75 Resp: 56071

Ion Ratio Lower Upper

75 100

77 30.3 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039285.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039285.D (-2121) (-)

8.22

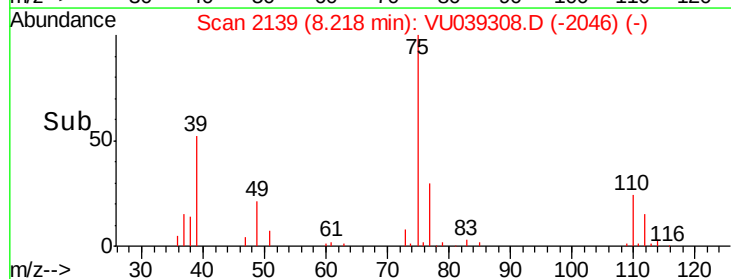
30000

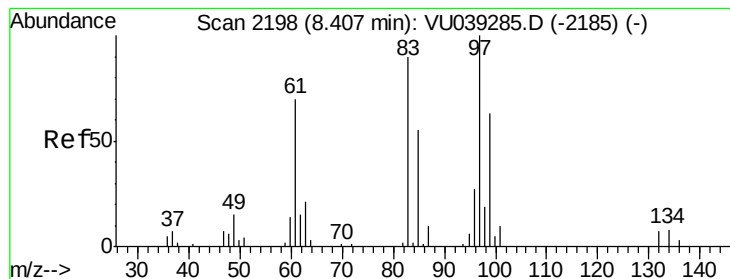
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.025 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 97 Resp: 31802

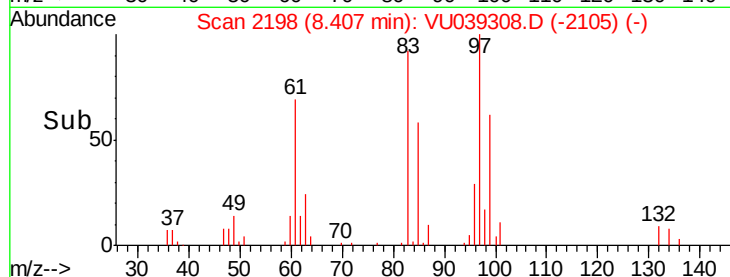
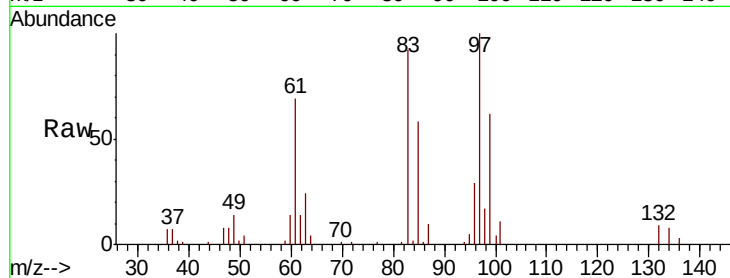
Ion Ratio Lower Upper

97 100

99 62.2 42.5 78.9

83 91.9 62.2 115.4

85 57.7 38.7 71.9

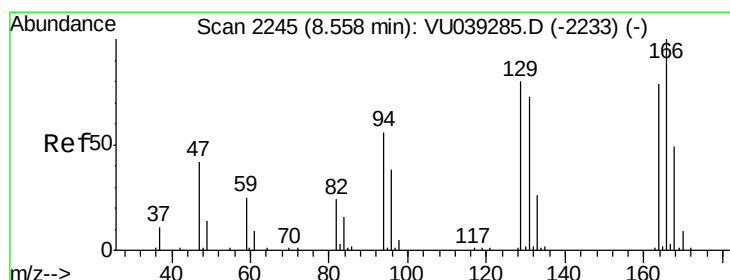
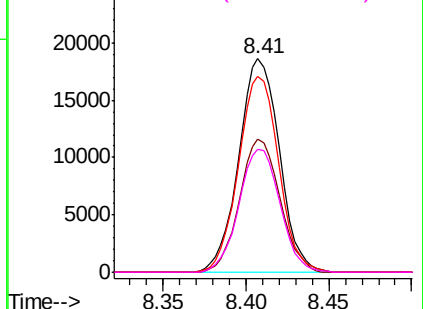


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.223 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Tgt Ion: 164 Resp: 28866

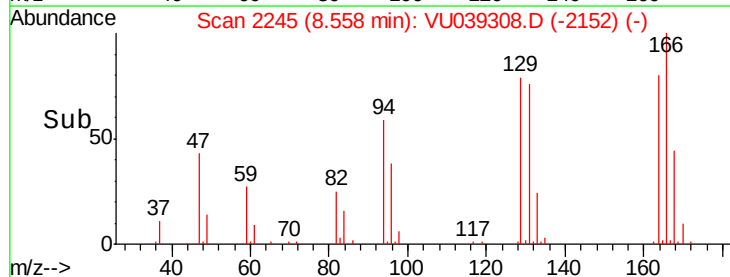
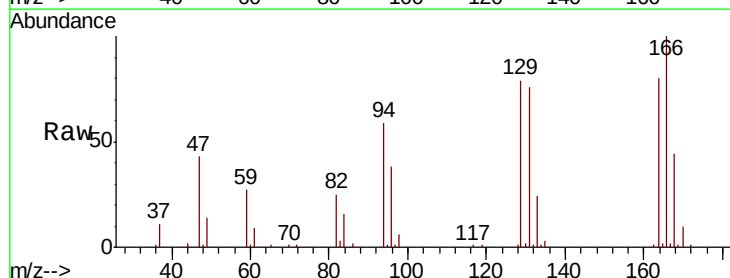
Ion Ratio Lower Upper

164 100

129 99.3 70.5 130.9

131 94.7 68.7 127.5

166 125.4 94.9 176.3

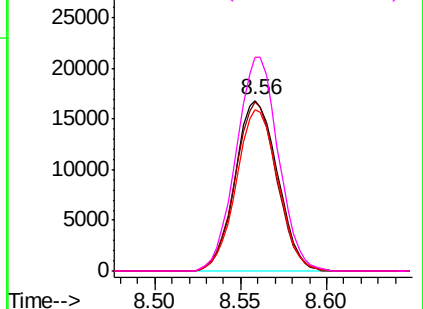


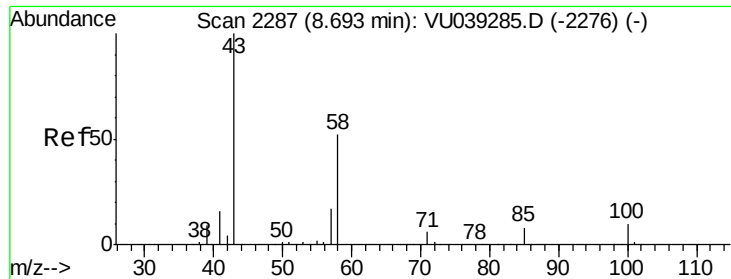
Abundance Ion 163.90 (163.60 to 164.60): V

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

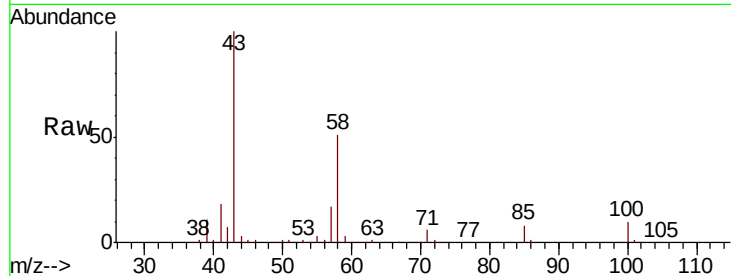




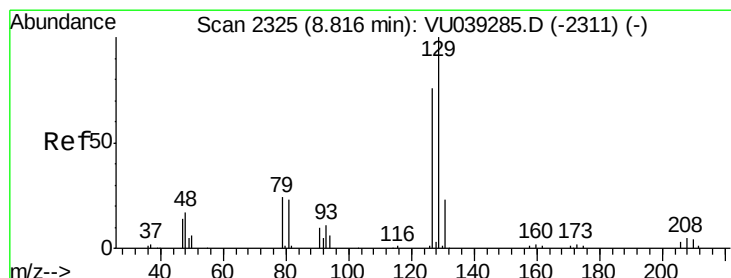
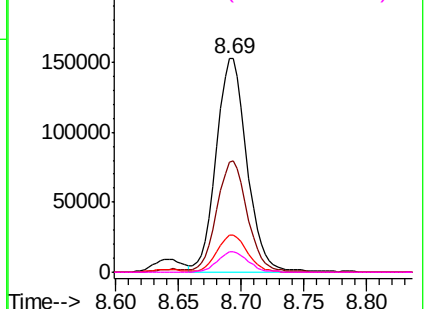
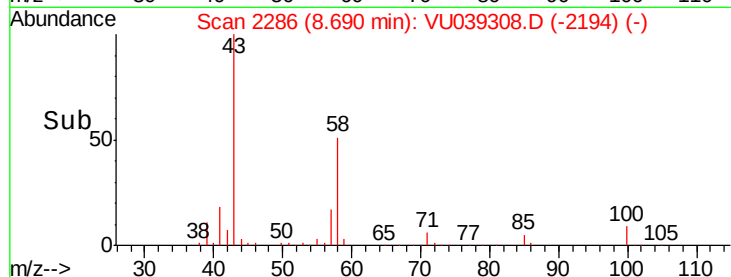
#48
2-Hexanone
Concen: 48.606 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 43 Resp: 260331
Ion Ratio Lower Upper
43 100
58 51.8 43.1 64.7
57 17.6 14.4 21.6
100 9.8 8.3 12.5

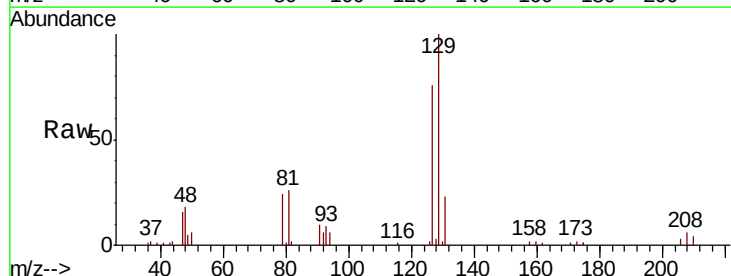


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

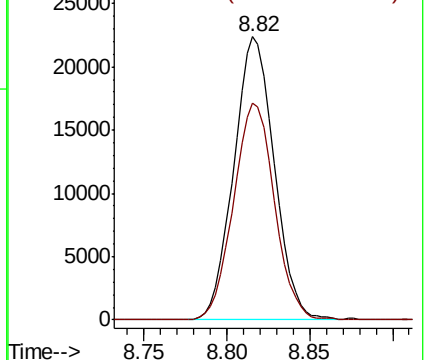
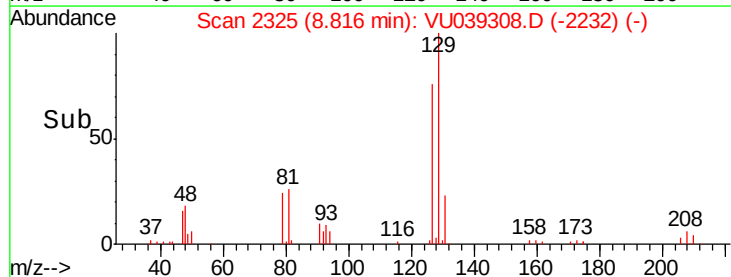


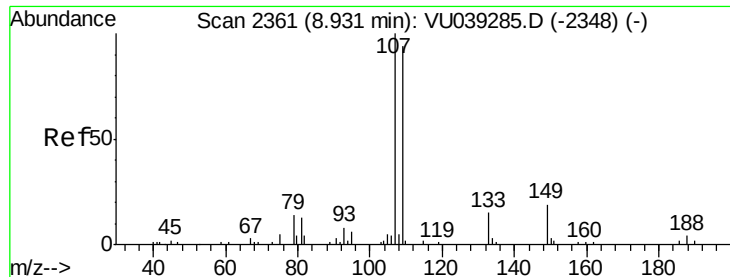
#49
Dibromochloromethane
Concen: 4.769 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion: 129 Resp: 37899
Ion Ratio Lower Upper
129 100
127 76.4 52.6 97.8



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

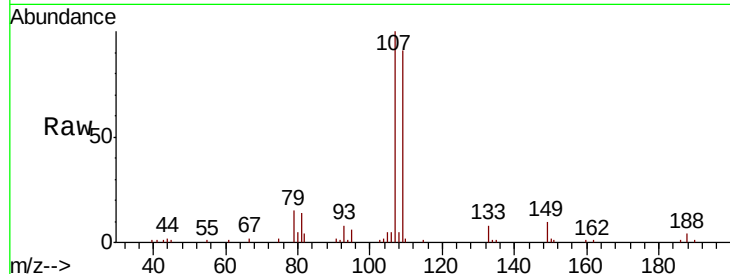




#50
1,2-Dibromoethane
Concen: 4.976 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.6	64.8	120.4
188	3.9	2.7	4.1

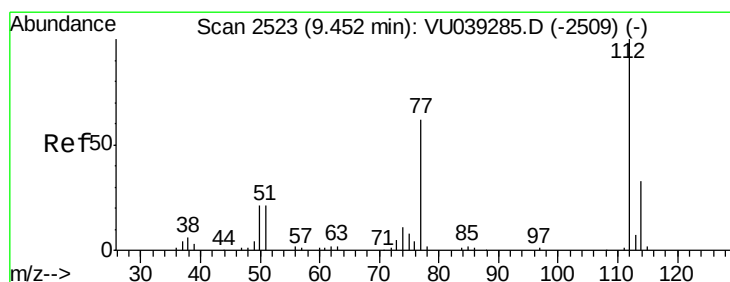
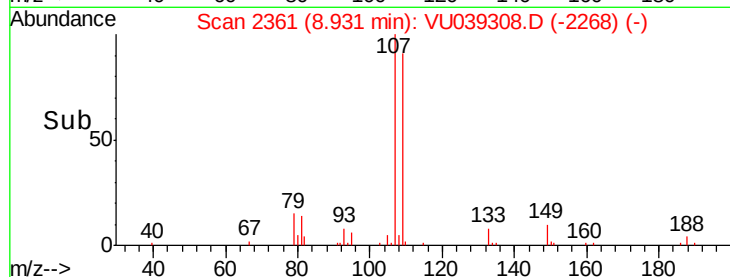
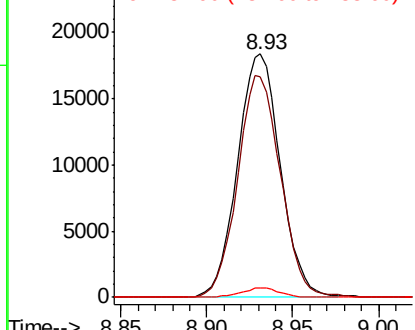


Abundance

Ion 106.95 (106.65 to 107.65): V

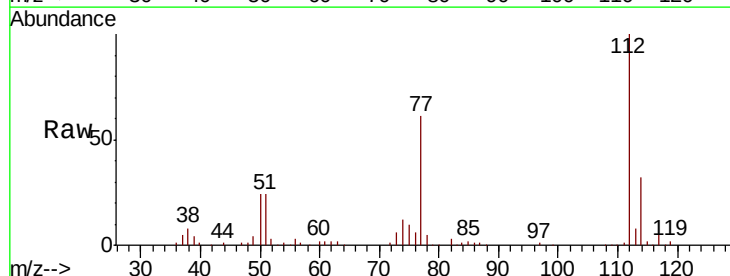
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.022 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.9	40.7
77	61.3	48.2	72.4

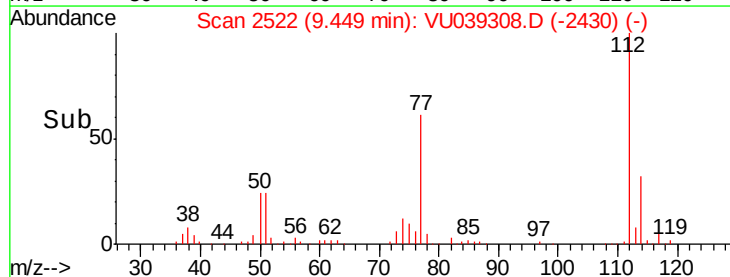
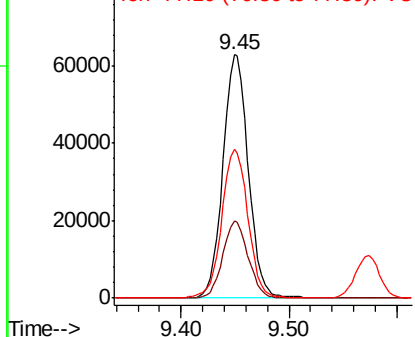


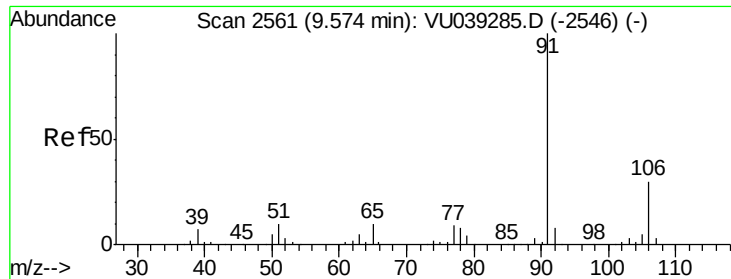
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.073 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

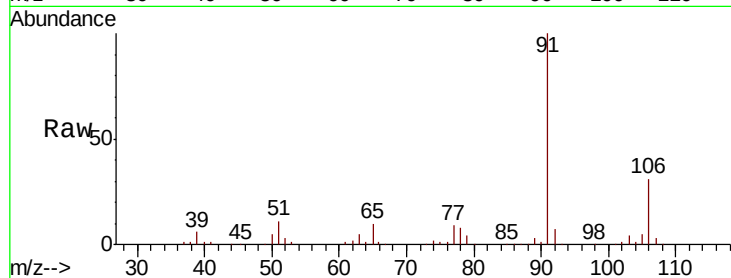
VSTD00528

Tot Ion: 91 Resp: 187456

Ion Ratio Lower Upper

91 100

106 31.2 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU039308.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU039308.D (-2546) (-)

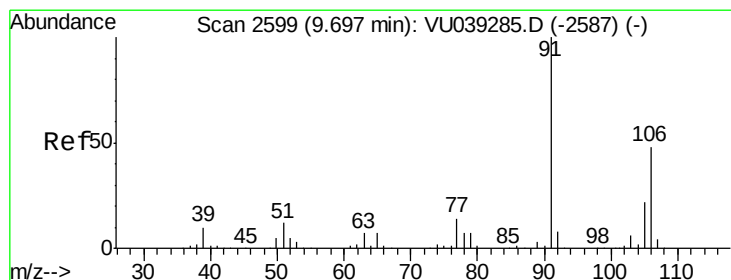
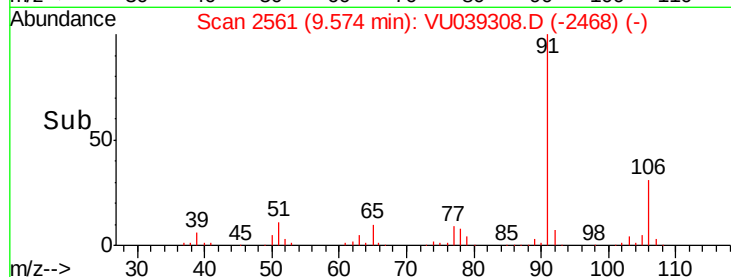
9.57

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 4.984 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039308.D

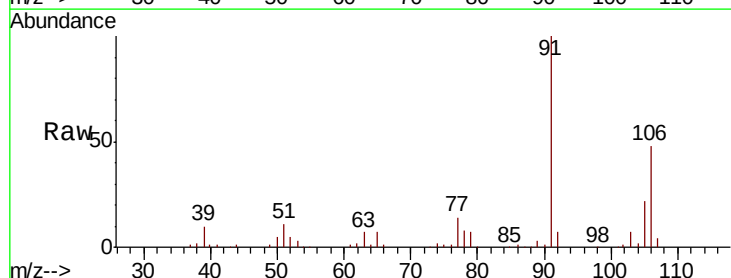
Acq: 06 Jul 2020 21:47

Tgt Ion: 106 Resp: 69467

Ion Ratio Lower Upper

106 100

91 210.1 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039308.D (-2587) (-)

Ion 91.15 (90.85 to 91.85): VU039308.D (-2587) (-)

9.70

100000

80000

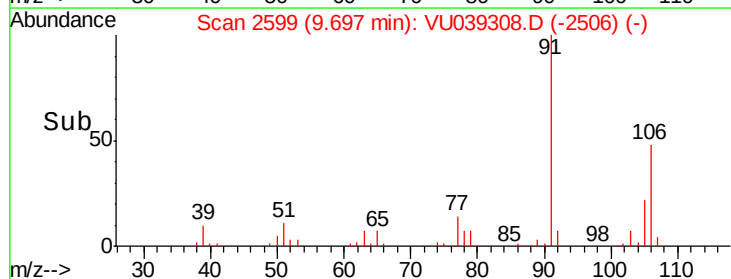
60000

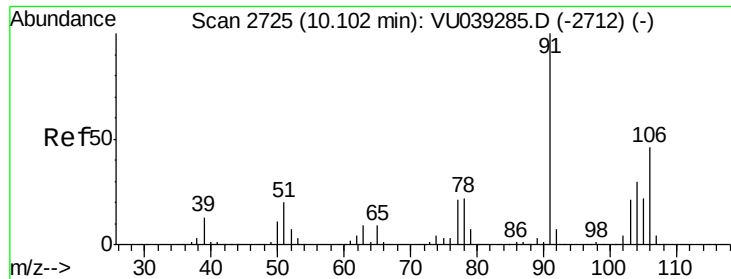
40000

20000

0

Time-->

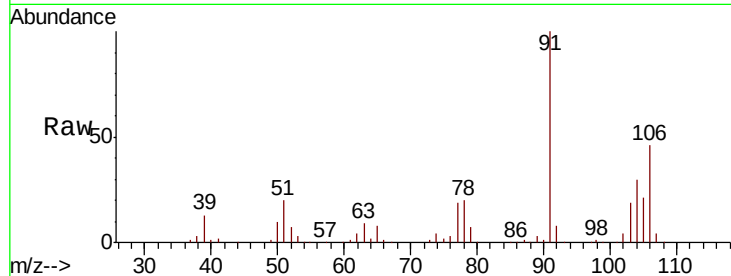




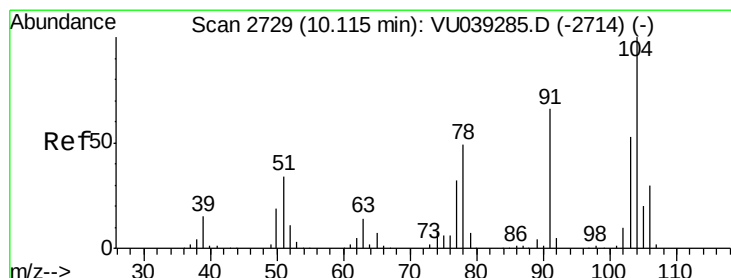
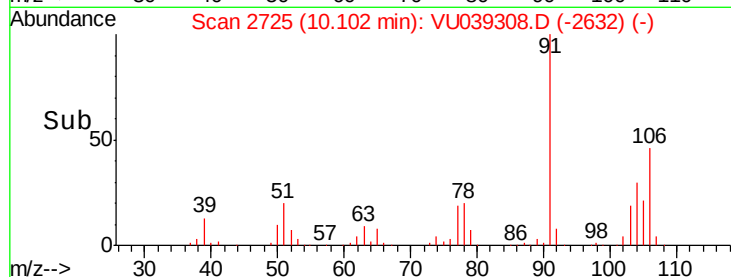
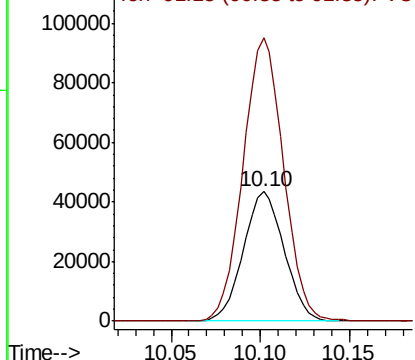
#54
o-Xylene
Concen: 5.036 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:106 Resp: 69593
Ion Ratio Lower Upper
106 100
91 218.7 153.6 285.3

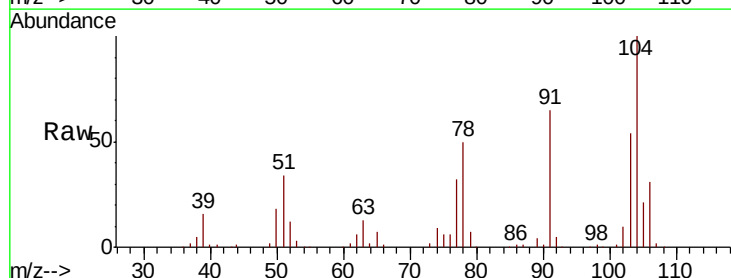


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

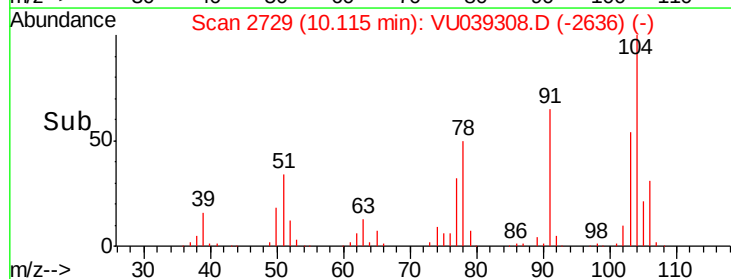
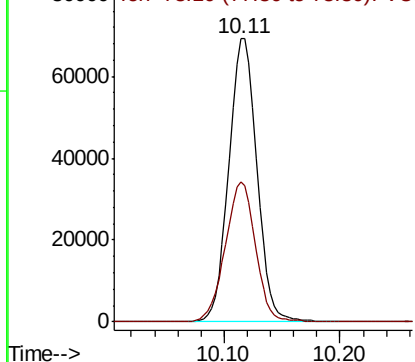


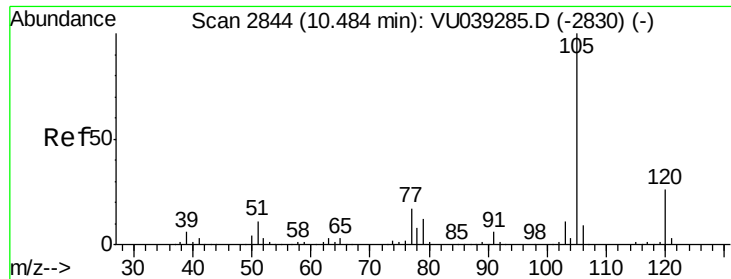
#55
Styrene
Concen: 4.796 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039308.D
Acq: 06 Jul 2020 21:47

Tgt Ion:104 Resp: 115878
Ion Ratio Lower Upper
104 100
78 49.6 35.5 65.9



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





#56

Isopropylbenzene

Concen: 4.949 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

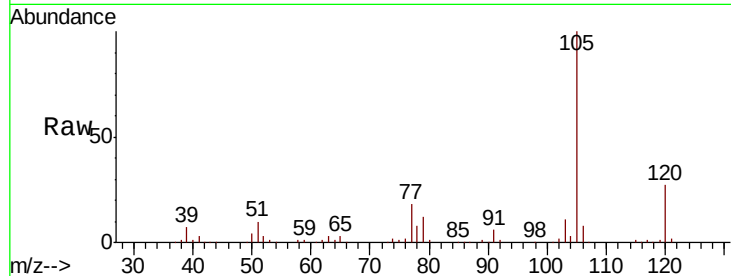
Tot Ion:105 Resp: 185198

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

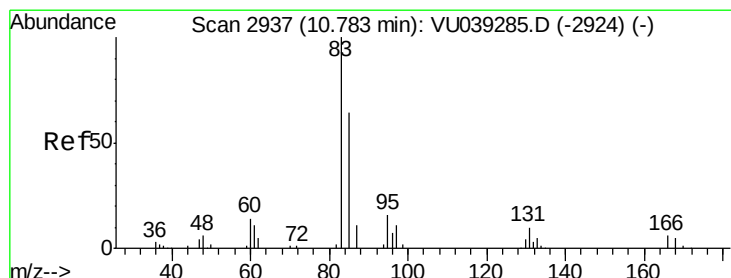
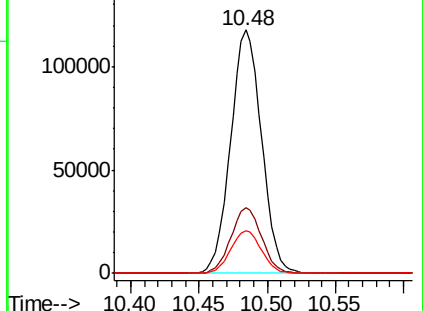
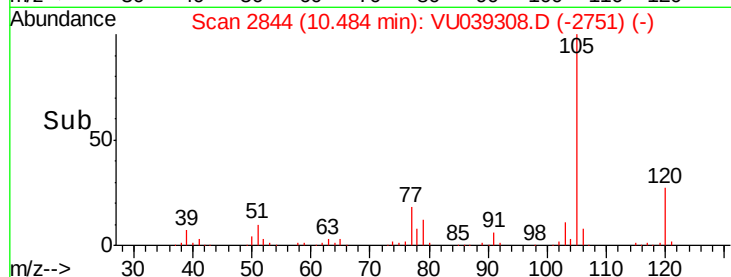
77 17.4 13.7 20.5



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: 4.771 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

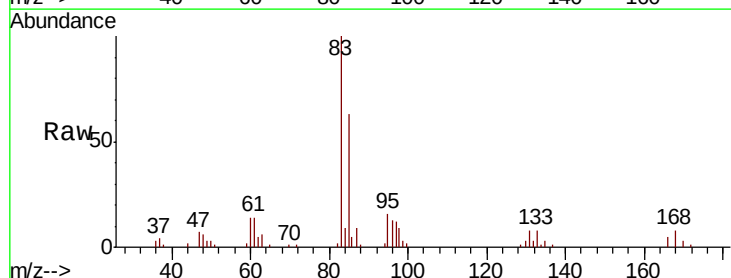
Tgt Ion: 83 Resp: 42656

Ion Ratio Lower Upper

83 100

85 62.7 43.0 79.8

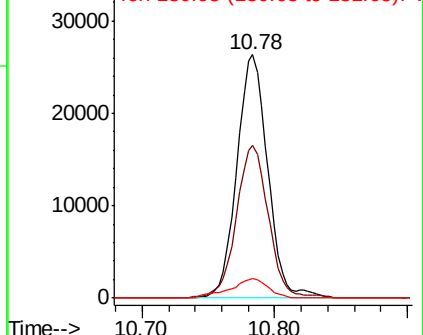
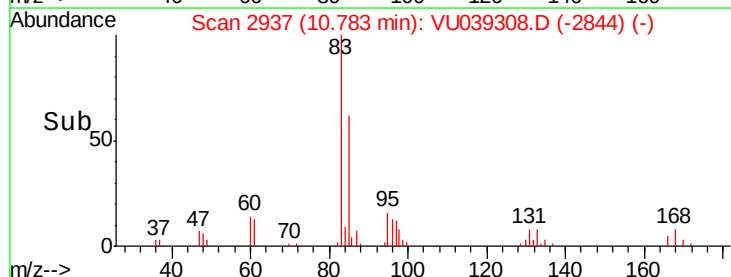
131 7.9 7.4 11.2

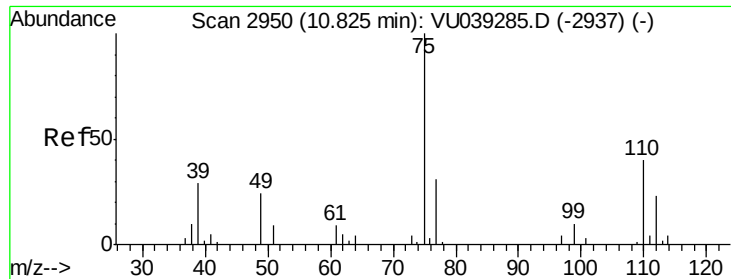


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

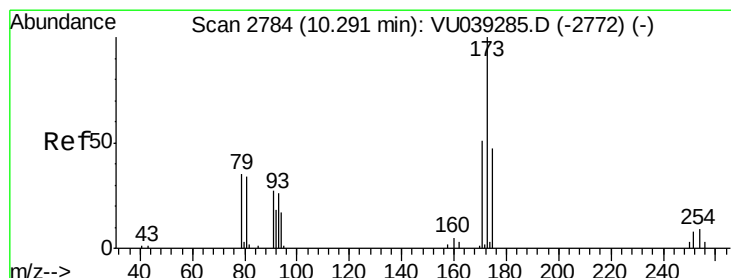
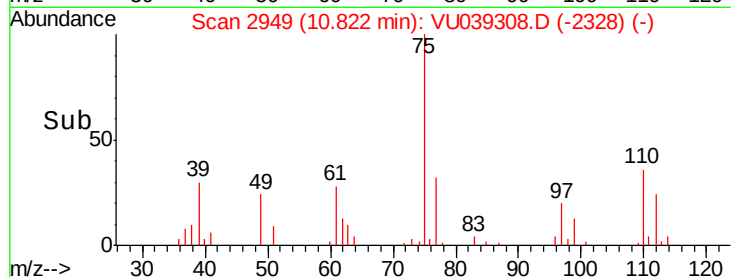
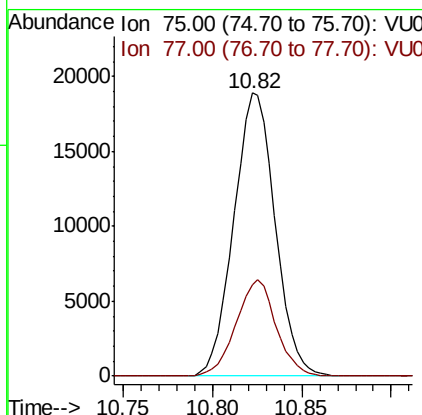
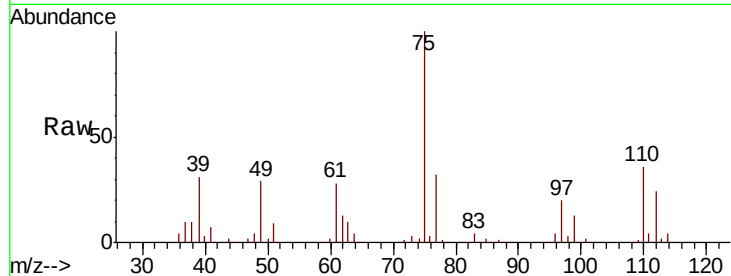




#59
 1,2,3-Trichloropropane
 Concen: 4.785 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

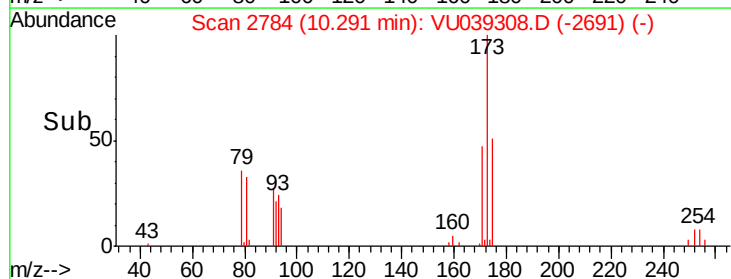
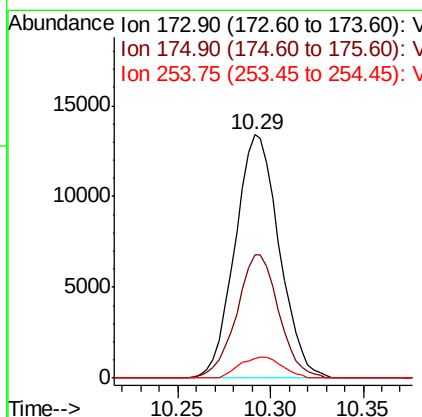
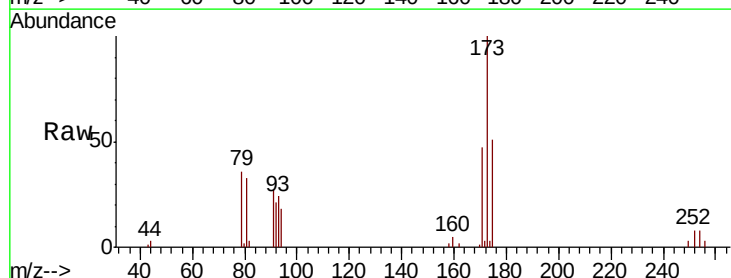
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

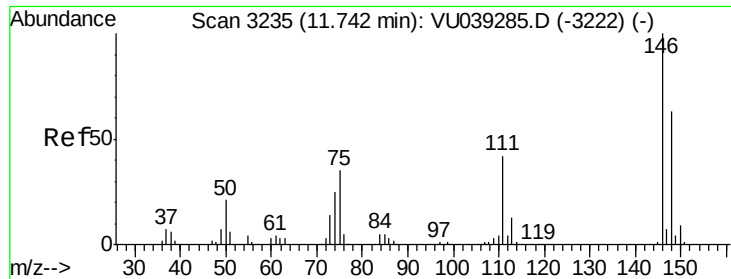
Tot Ion: 75 Resp: 30602
 Ion Ratio Lower Upper
 75 100
 77 32.8 27.7 41.5



#61
 Bromoform
 Concen: 4.806 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Tgt Ion: 173 Resp: 22150
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.3 58.9
 254 8.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.073 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

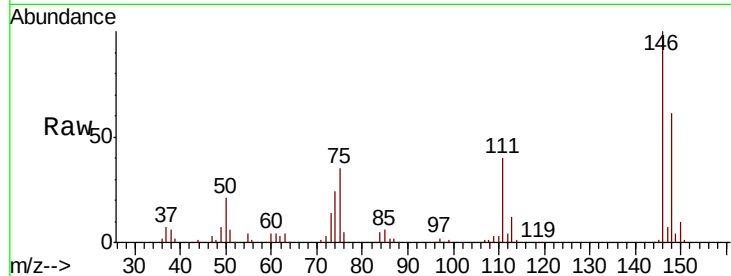
Tot Ion:146 Resp: 82408

Ion Ratio Lower Upper

146 100

111 40.3 29.4 54.6

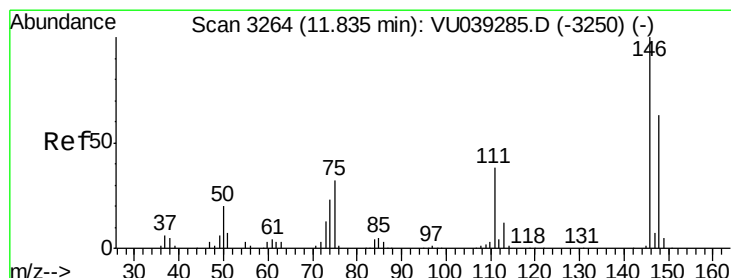
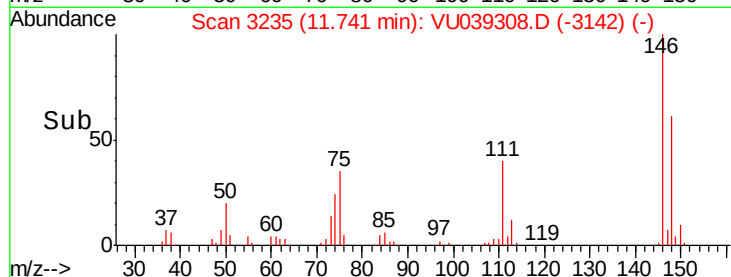
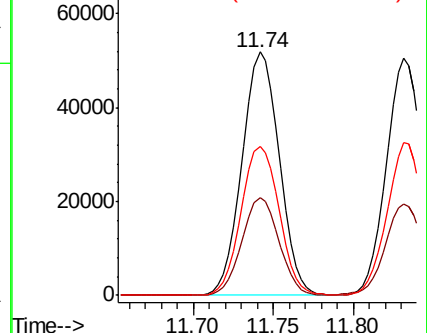
148 61.4 42.0 78.0



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: 5.114 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

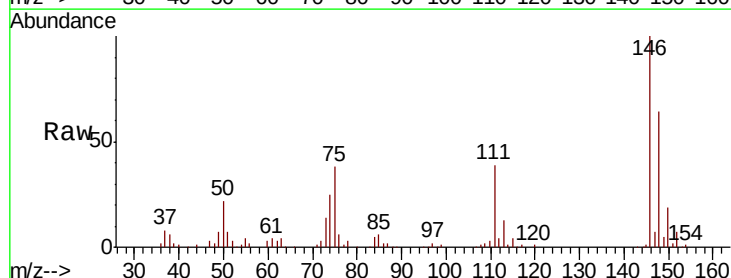
Tgt Ion:146 Resp: 81610

Ion Ratio Lower Upper

146 100

111 38.6 28.3 52.5

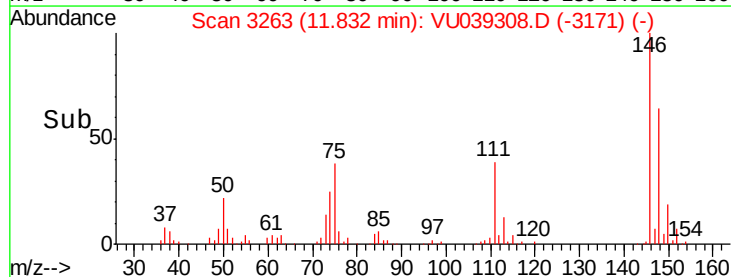
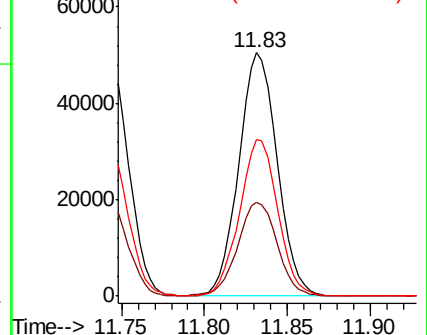
148 64.2 45.8 85.2

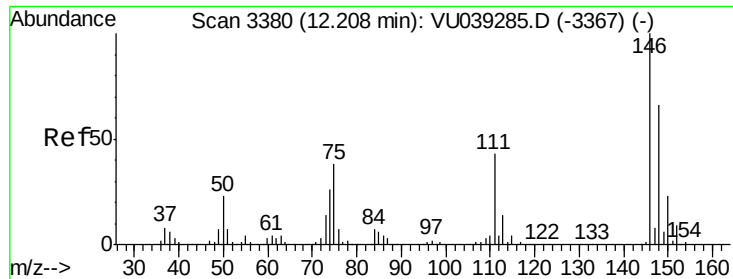


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

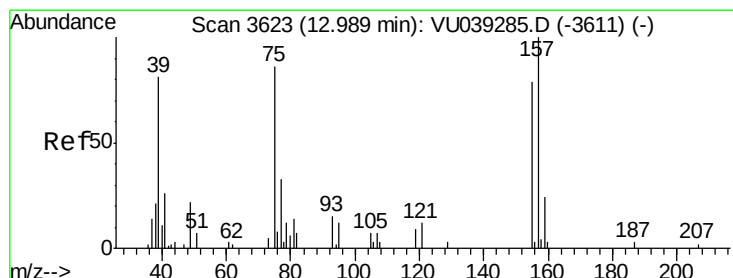
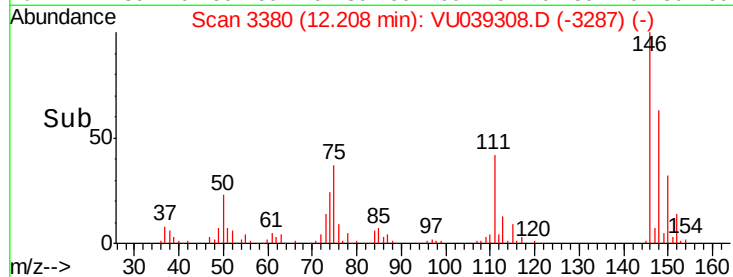
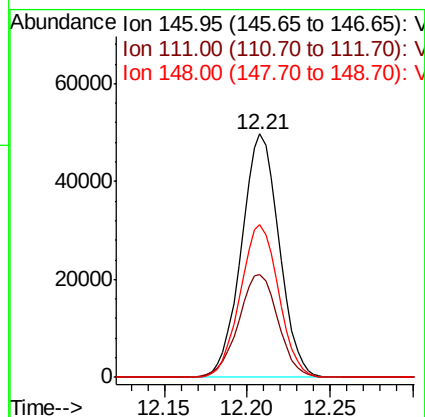
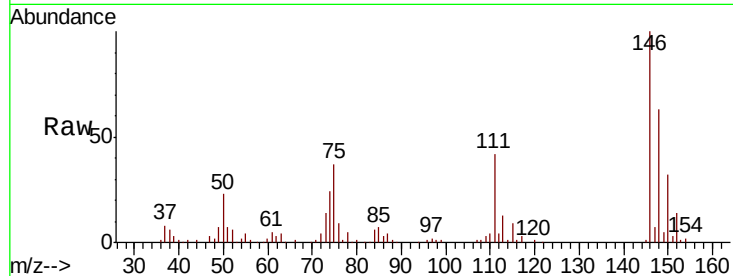




#65
 1,2-Dichlorobenzene
 Concen: 4.937 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

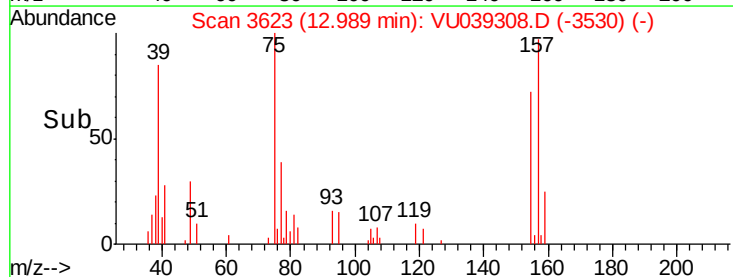
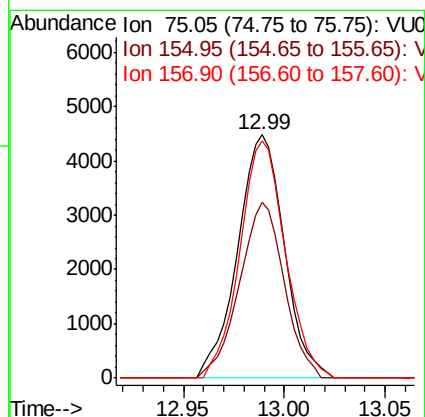
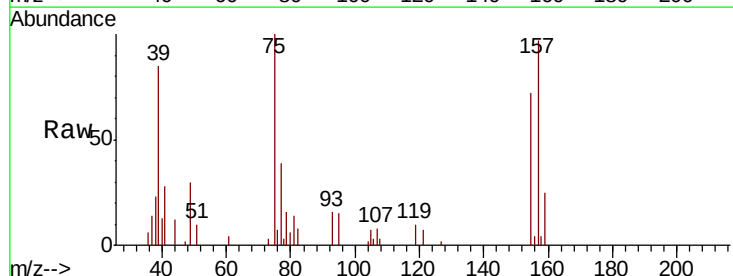
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

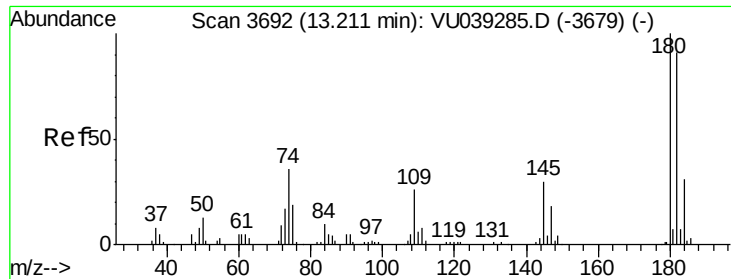
Tot Ion:146 Resp: 78560
 Ion Ratio Lower Upper
 146 100
 111 42.3 31.9 47.9
 148 62.7 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.577 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Tgt Ion: 75 Resp: 7265
 Ion Ratio Lower Upper
 75 100
 155 72.1 58.6 88.0
 157 97.5 71.4 107.0

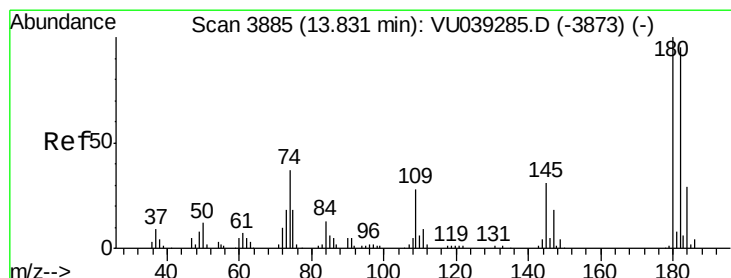
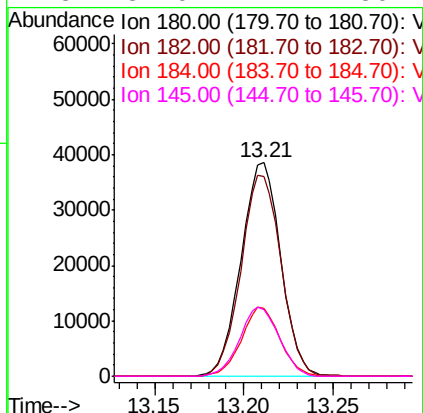
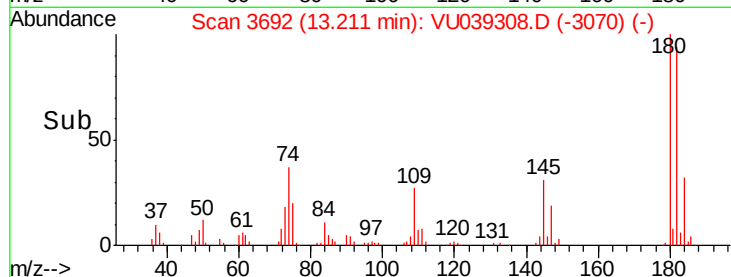
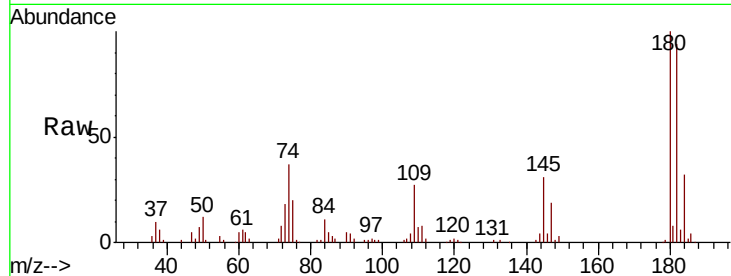




#67
 1,3,5-Trichlorobenzene
 Concen: 5.010 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

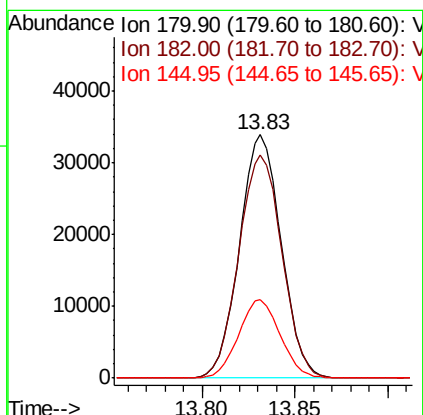
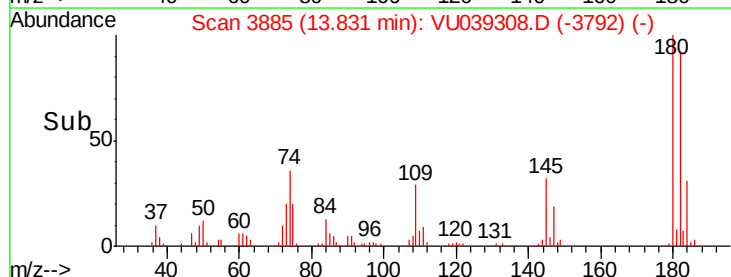
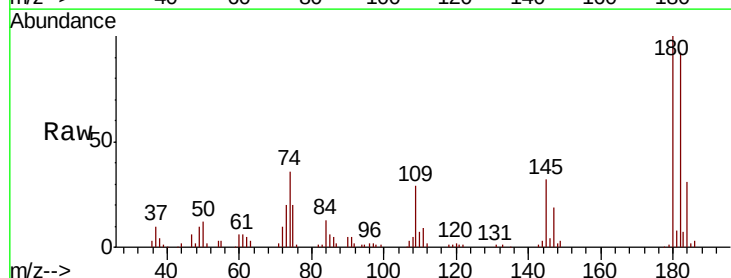
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

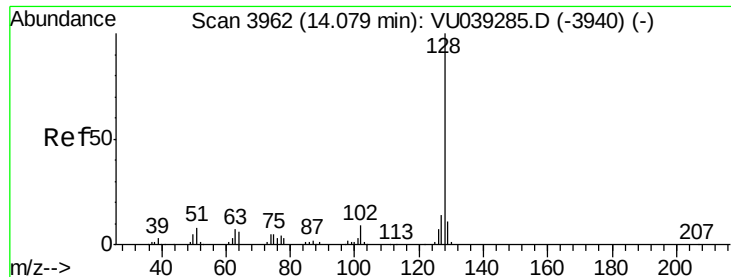
Tot Ion:180 Resp: 59804
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.7 112.1
 184 31.3 23.7 35.5
 145 32.0 24.2 36.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.129 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039308.D
 Acq: 06 Jul 2020 21:47

Tgt Ion:180 Resp: 52933
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.6 116.4
 145 32.1 24.7 37.1





#69

Naphthalene

Concen: 5.295 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

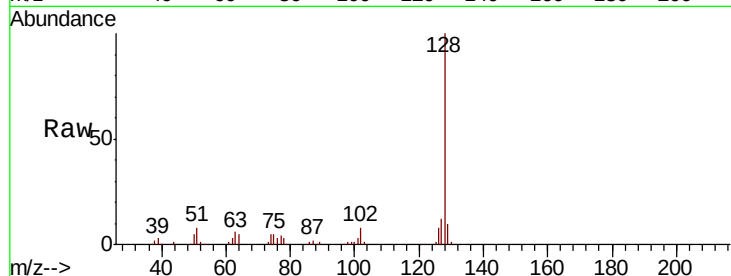
Tot Ion:128 Resp: 104768

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

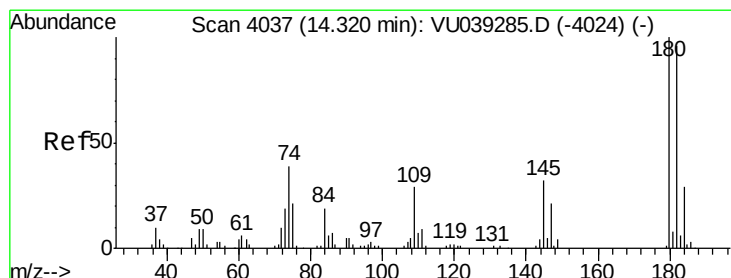
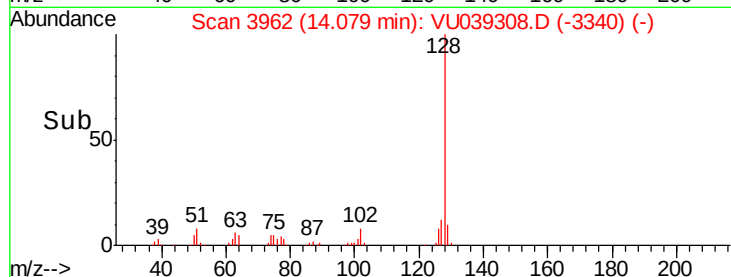
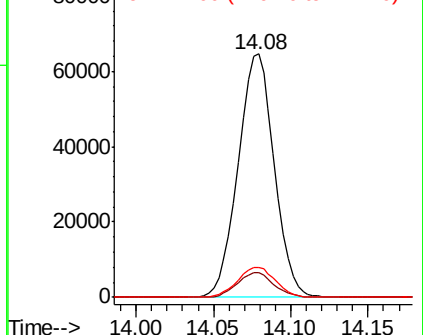
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.150 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039308.D

Acq: 06 Jul 2020 21:47

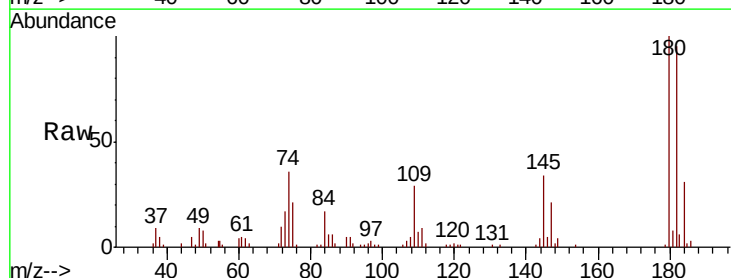
Tgt Ion:180 Resp: 48469

Ion Ratio Lower Upper

180 100

182 95.8 77.8 116.6

145 34.3 25.7 38.5



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

