

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041626.D
 Acq On : 15 Dec 2020 09:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Dec 16 02:36:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 00:28:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131586	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64667	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49193	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.92	69	43618	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.58	63	98849	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	4.67	46	158425	53.61	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.22%
24) Chloroform-d	5.08	84	92279	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.71	65	52479	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	181454	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	55860	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.90	98	171415	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.18	79	25672	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	144548	49.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54170	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	59216	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	64930	5.825 ug/L	99
3) Chloromethane	1.53	50	53618	4.951 ug/L	99
5) Vinyl chloride	1.61	62	67153	5.615 ug/L	100
6) Bromomethane	1.87	94	42312	5.659 ug/L	98
8) Chloroethane	1.94	64	42000	5.170 ug/L	99
9) Trichlorofluoromethane	2.15	101	94719	6.258 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54651	6.037 ug/L	96
12) 1,1-Dichloroethene	2.59	96	51311	5.748 ug/L	91
13) Acetone	2.68	43	90400	48.095 ug/L	62
14) Carbon disulfide	2.80	76	165341	5.360 ug/L	100
15) Methyl Acetate	2.97	43	22716	4.649 ug/L	91
16) Methylene chloride	3.06	84	57608	5.404 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	133866	5.621 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	53791	5.826 ug/L	93
19) 1,1-Dichloroethane	3.89	63	94335	5.467 ug/L	99
21) 2-Butanone	4.74	43	170438	55.669 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	54443	5.335 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041626.D
 Acq On : 15 Dec 2020 09:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Dec 16 02:36:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 00:28:07 2020
 Response via : Initial Calibration

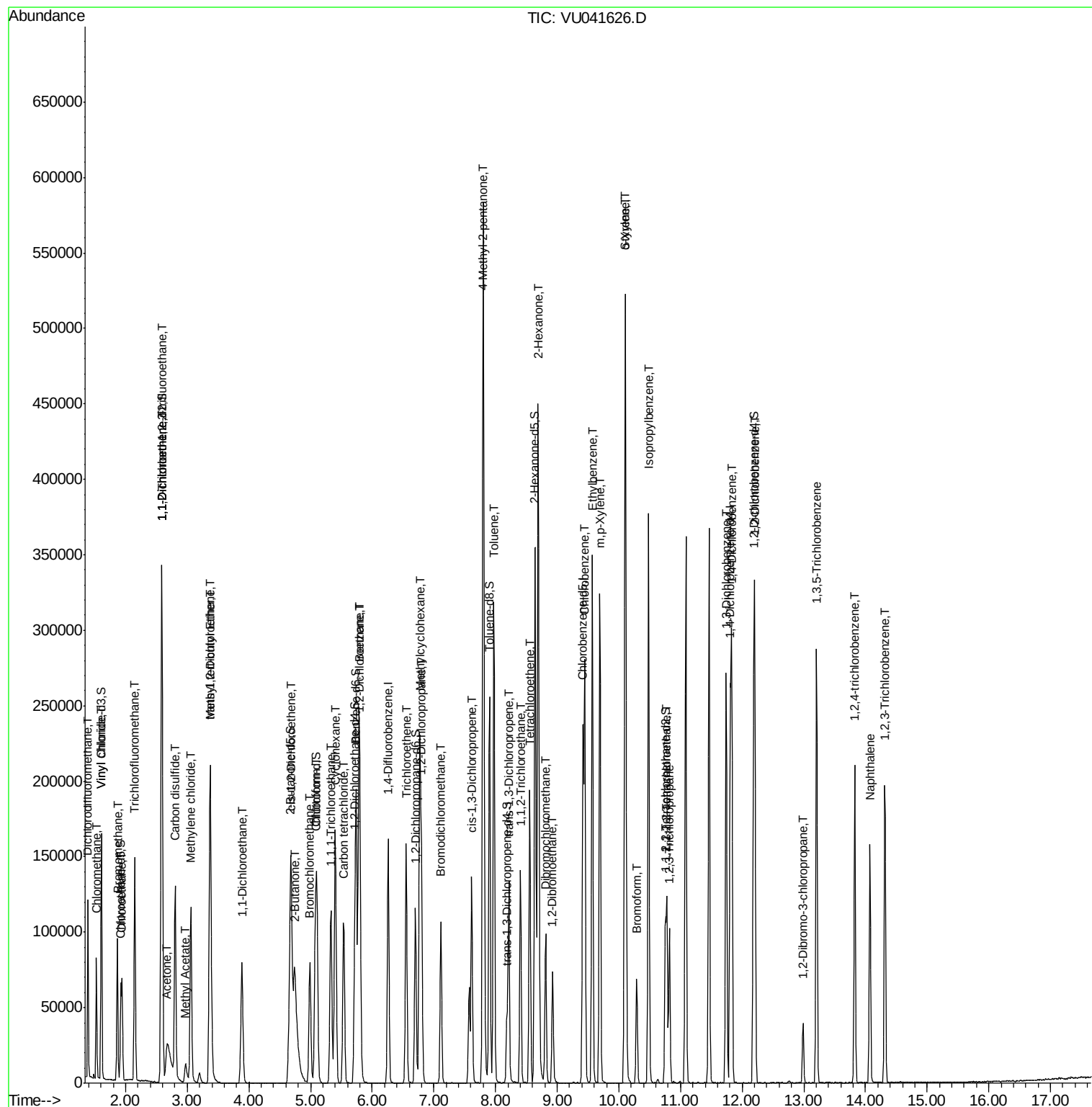
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27394	5.844	uq/L	93
25) Chloroform	5.10	83	98009	5.640	uq/L	95
27) 1,2-Dichloroethane	5.81	62	66468	5.648	uq/L	98
29) 1,1,1-Trichloroethane	5.33	97	84958	5.595	uq/L	99
30) Cyclohexane	5.40	56	81851	4.810	uq/L	93
31) Carbon tetrachloride	5.54	117	73711	5.614	uq/L	98
33) Benzene	5.79	78	219565	5.192	uq/L	100
34) Trichloroethene	6.55	95	56809	5.346	uq/L	99
35) Methylcyclohexane	6.77	83	90069	5.244	uq/L	99
37) 1,2-Dichloropropane	6.80	63	56593	5.233	uq/L	100
38) Bromodichloromethane	7.11	83	71570	5.319	uq/L	99
39) cis-1,3-Dichloropropene	7.61	75	81801	5.104	uq/L	99
40) 4-Methyl-2-pentanone	7.80	43	400006	51.975	uq/L	98
42) Toluene	7.97	91	234786	5.378	uq/L	98
44) trans-1,3-Dichloropropene	8.21	75	77980	5.441	uq/L	97
45) 1,1,2-Trichloroethane	8.40	97	44595	5.575	uq/L	99
47) Tetrachloroethene	8.56	164	43628	5.865	uq/L	92
48) 2-Hexanone	8.69	43	298821	53.351	uq/L	98
49) Dibromochloromethane	8.81	129	52421	5.706	uq/L	99
50) 1,2-Dibromoethane	8.92	107	42770	5.406	uq/L	100
51) Chlorobenzene	9.45	112	150982	5.564	uq/L	97
52) Ethylbenzene	9.57	91	239220	5.146	uq/L	96
53) m,p-Xylene	9.69	106	95080	5.484	uq/L	98
54) o-Xylene	10.10	106	90636	5.337	uq/L	97
55) Styrene	10.11	104	157419	5.366	uq/L	96
56) Isopropylbenzene	10.48	105	239358	5.296	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	59788	5.372	uq/L	97
59) 1,2,3-Trichloropropane	10.82	75	44222	5.444	uq/L	98
61) Bromoform	10.29	173	31375	6.418	uq/L	97
62) 1,3-Dichlorobenzene	11.74	146	111635	5.645	uq/L	99
63) 1,4-Dichlorobenzene	11.83	146	116078	5.837	uq/L	97
65) 1,2-Dichlorobenzene	12.20	146	110208	5.690	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10372	5.711	uq/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	91408	6.089	uq/L	99
68) 1,2,4-trichlorobenzene	13.82	180	64550	5.124	uq/L	98
69) Naphthalene	14.07	128	126520	4.851	uq/L	99
70) 1,2,3-Trichlorobenzene	14.31	180	61790	5.146	uq/L	98

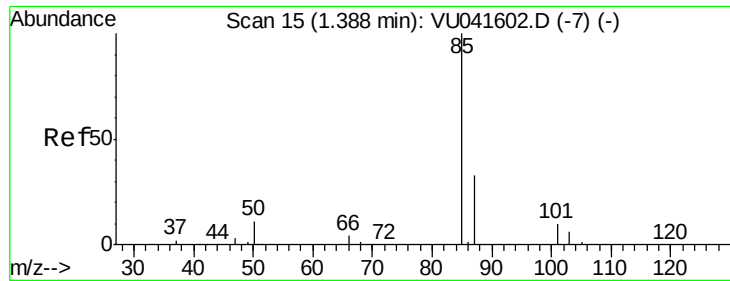
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121520\
Data File : VU041626.D
Acq On : 15 Dec 2020 09:29
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Dec 16 02:36:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 00:28:07 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.825 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

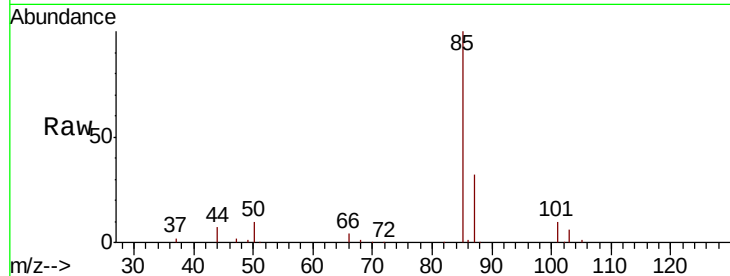
VSTD00516

Tot Ion: 85 Resp: 64930

Ion Ratio Lower Upper

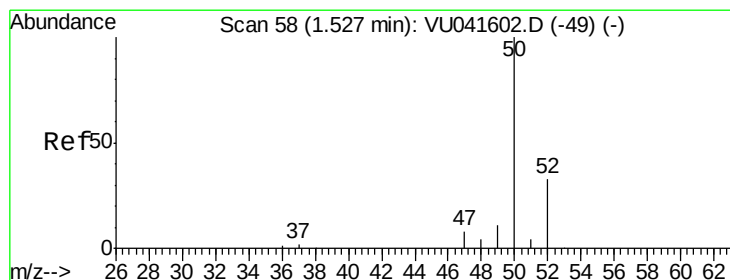
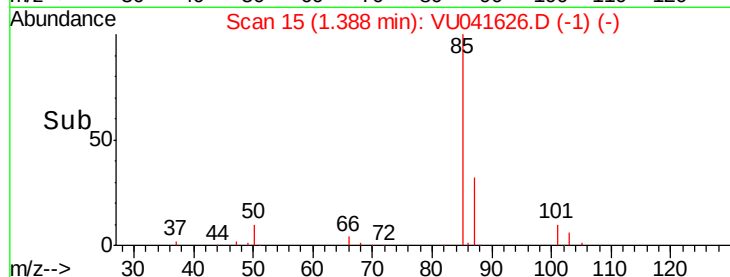
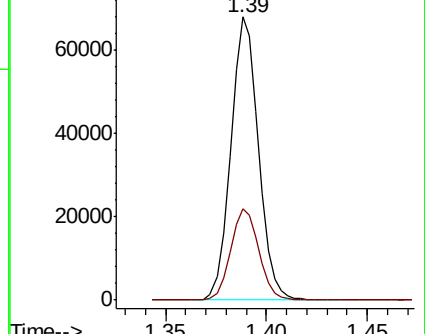
85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041602.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041602.D (-7) (-)



#3

Chloromethane

Concen: 4.951 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041626.D

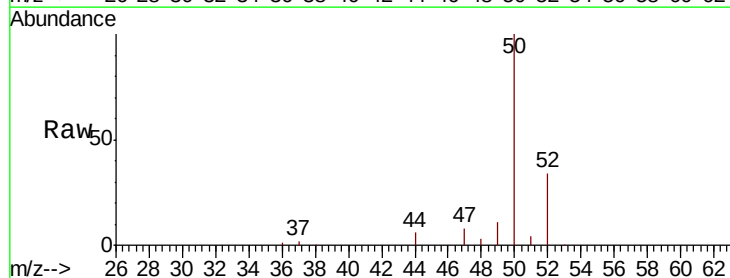
Acq: 15 Dec 2020 09:29

Tgt Ion: 50 Resp: 53618

Ion Ratio Lower Upper

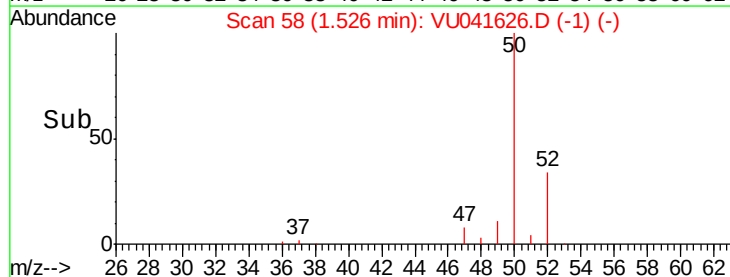
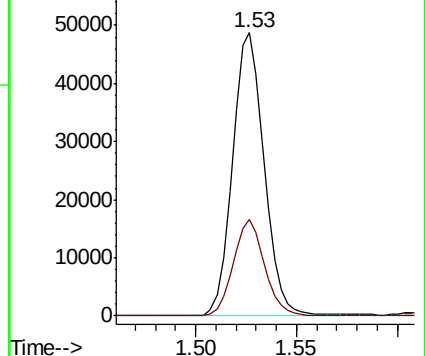
50 100

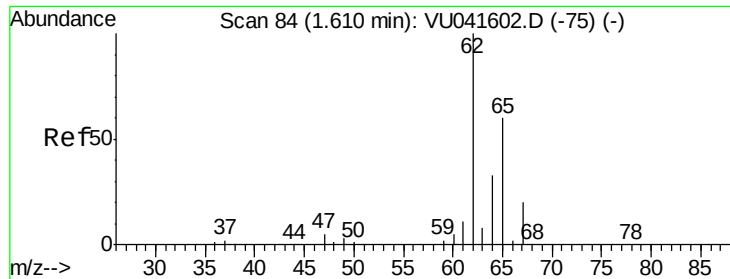
52 33.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041602.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041602.D (-49) (-)





#5

Vinyl chloride

Concen: 5.615 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

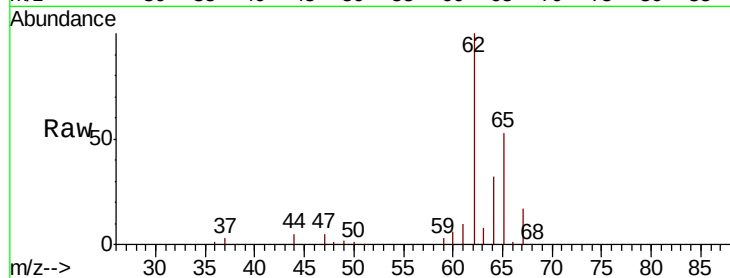
VSTD00516

Tot Ion: 62 Resp: 67153

Ion Ratio Lower Upper

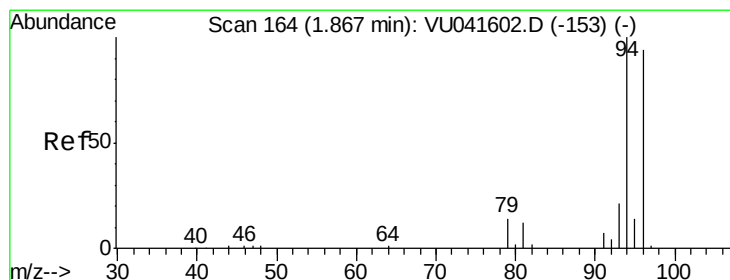
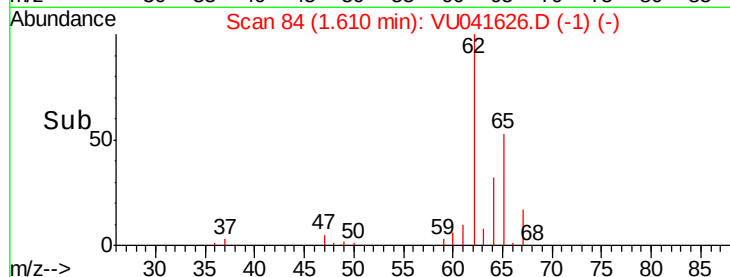
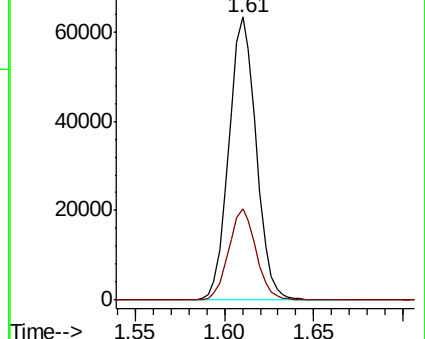
62 100

64 32.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.659 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041626.D

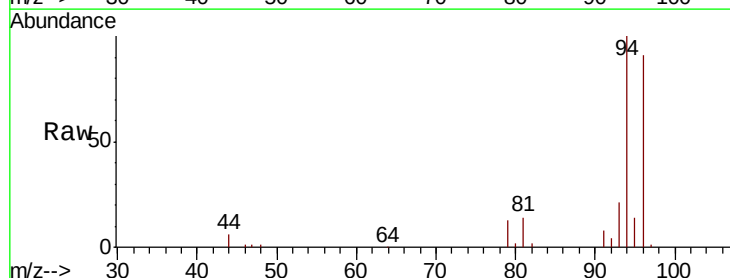
Acq: 15 Dec 2020 09:29

Tgt Ion: 94 Resp: 42312

Ion Ratio Lower Upper

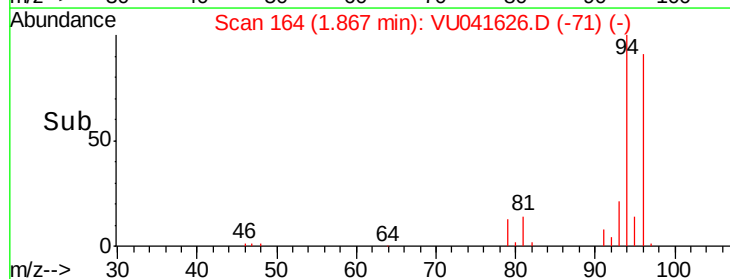
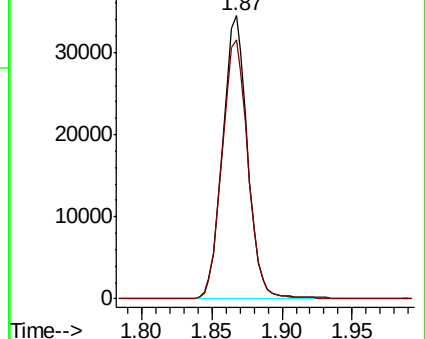
94 100

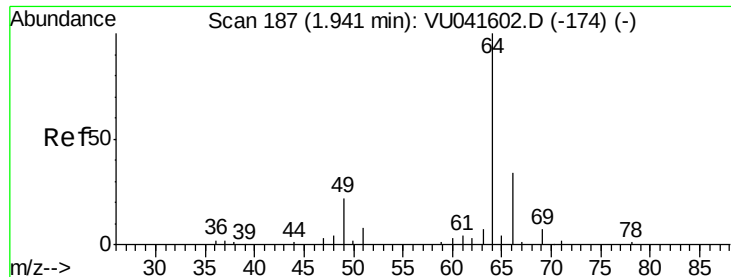
96 91.4 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

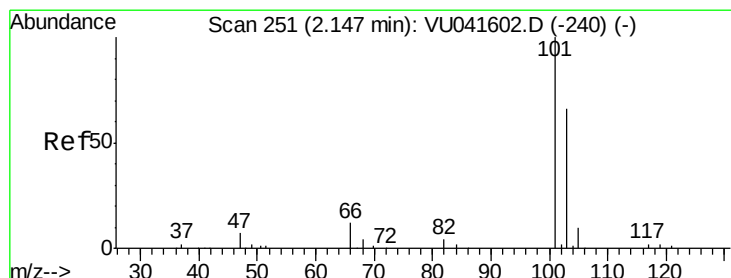
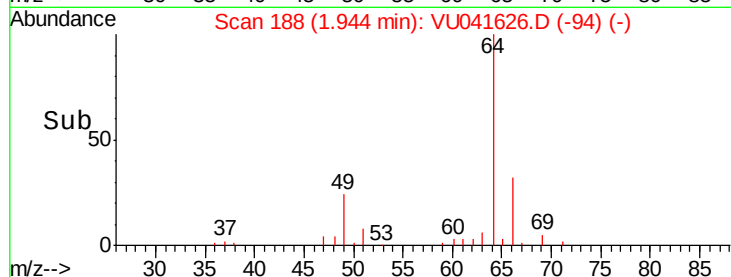
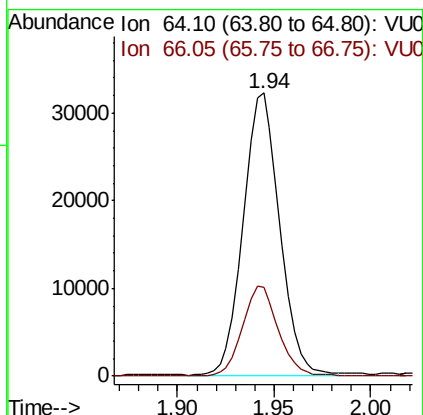
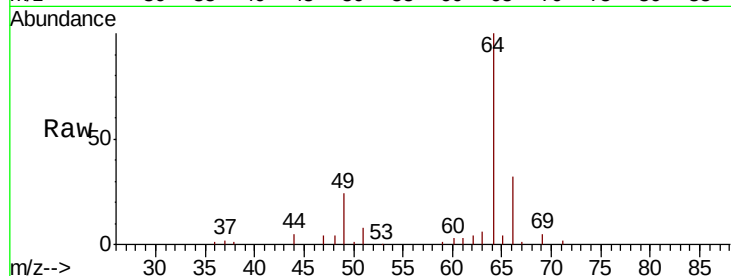




#8
Chloroethane
Concen: 5.170 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

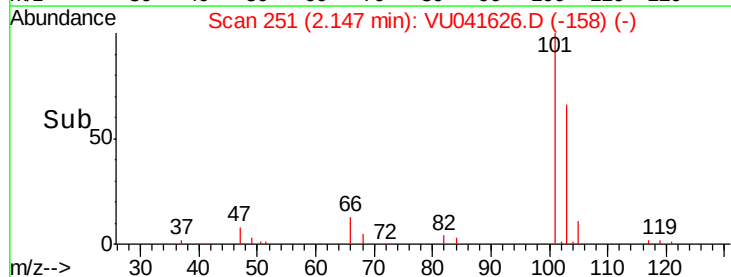
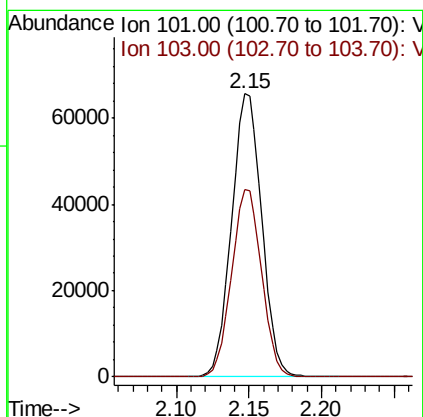
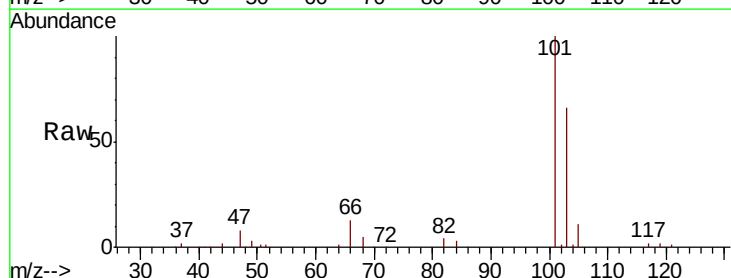
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

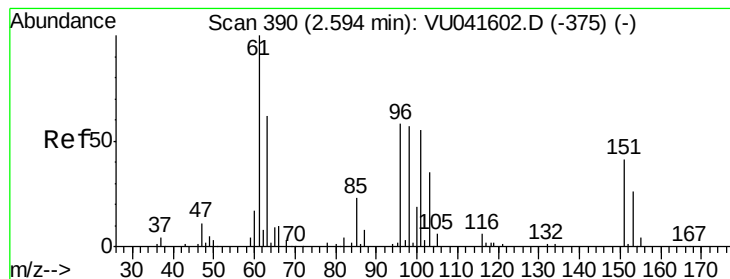
Tot Ion: 64 Resp: 42000
Ion Ratio Lower Upper
64 100
66 31.5 21.6 40.0



#9
Trichlorofluoromethane
Concen: 6.258 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion:101 Resp: 94719
Ion Ratio Lower Upper
101 100
103 65.7 51.1 76.7





#10

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

Concen: 6.037 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

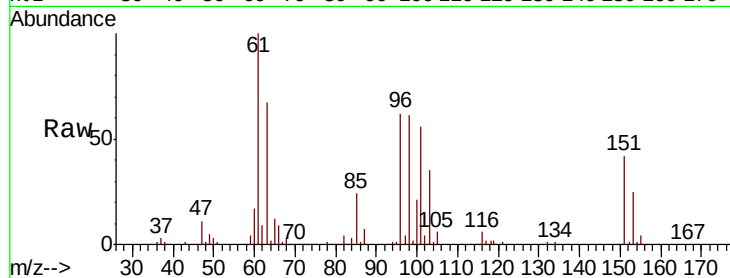
Tot Ion:101 Resp: 54651

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

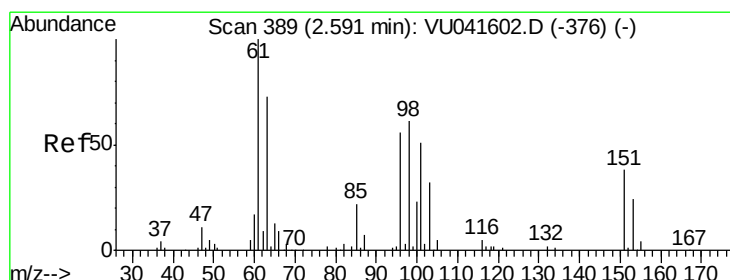
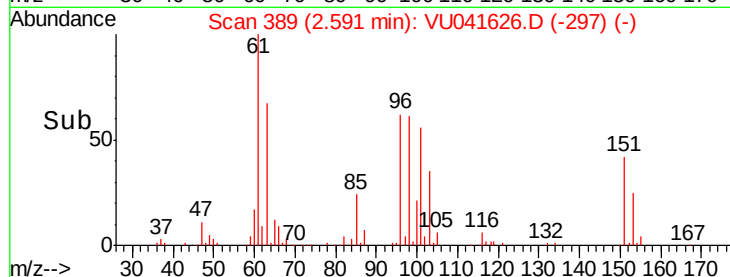
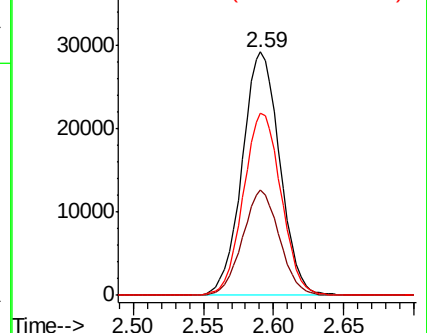
151 75.0 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.748 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

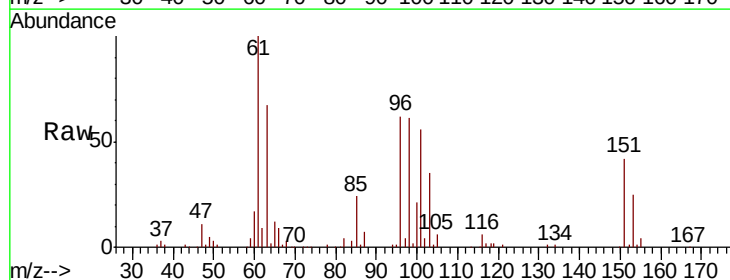
Tgt Ion: 96 Resp: 51311

Ion Ratio Lower Upper

96 100

61 162.0 123.8 230.0

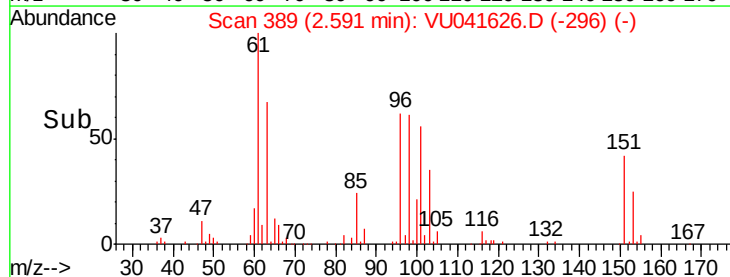
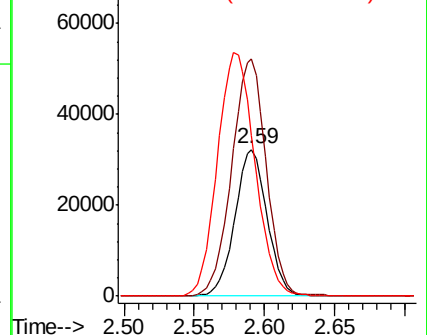
63 109.2 81.0 150.4

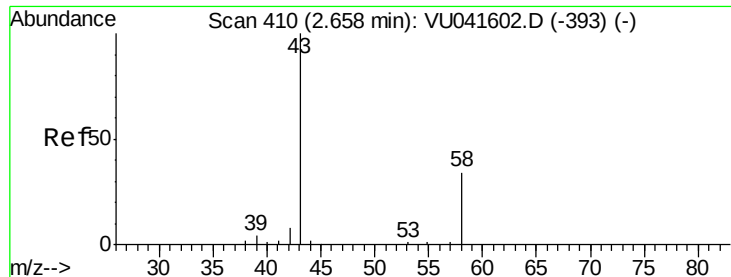


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.095 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

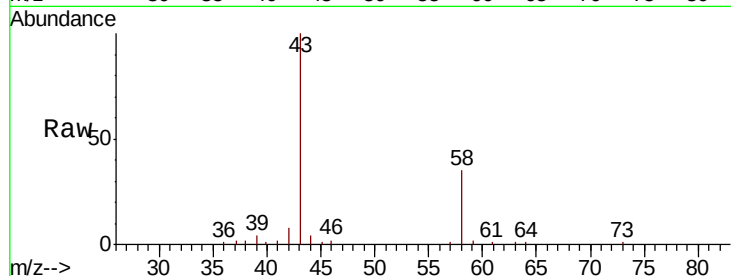
VSTD00516

Tot Ion: 43 Resp: 90400

Ion Ratio Lower Upper

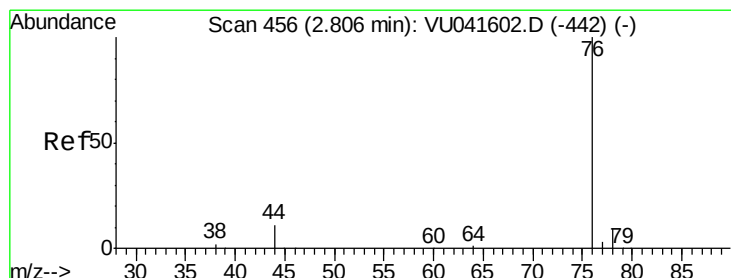
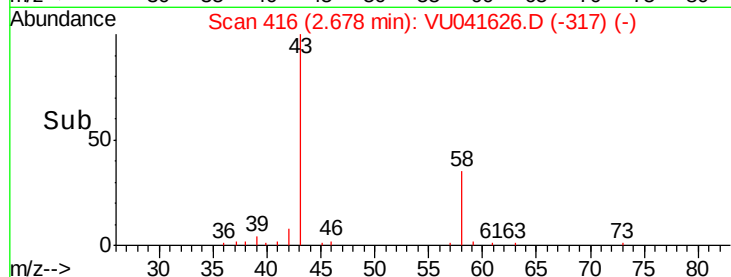
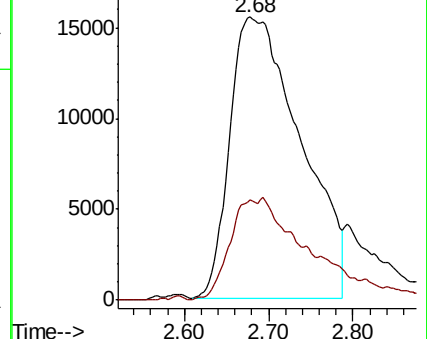
43 100

58 14.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.360 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041626.D

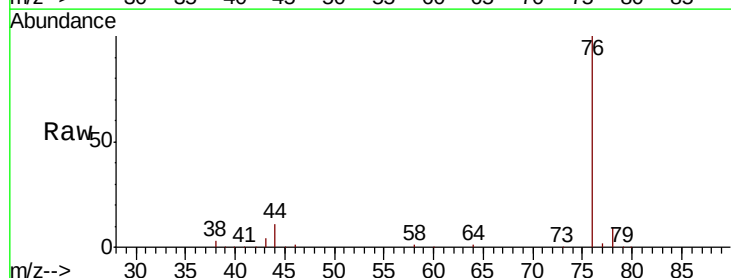
Acq: 15 Dec 2020 09:29

Tgt Ion: 76 Resp: 165341

Ion Ratio Lower Upper

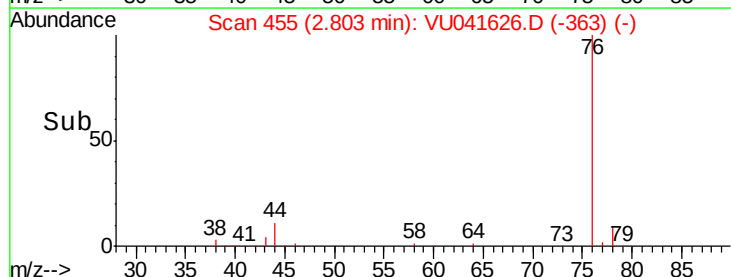
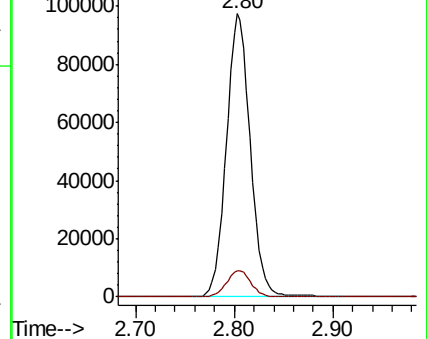
76 100

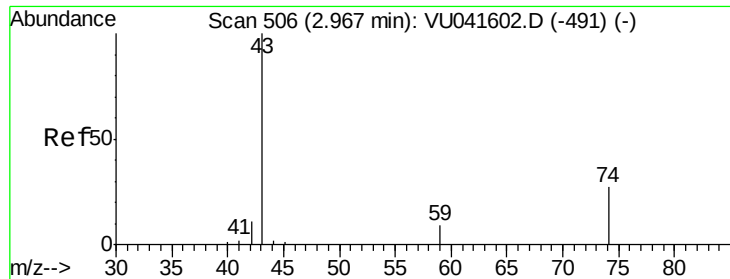
78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.649 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

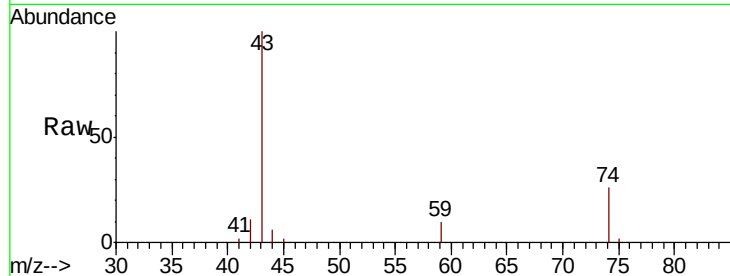
VSTD00516

Tot Ion: 43 Resp: 22716

Ion Ratio Lower Upper

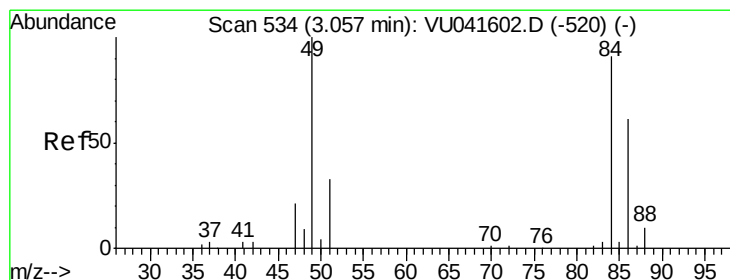
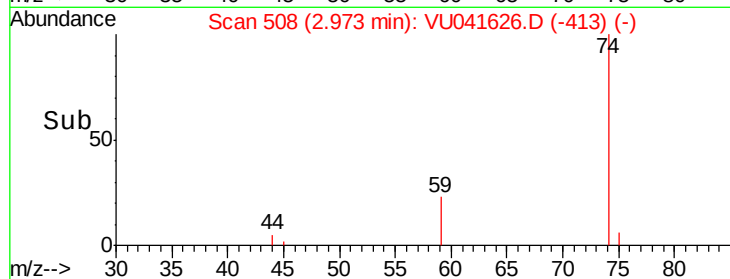
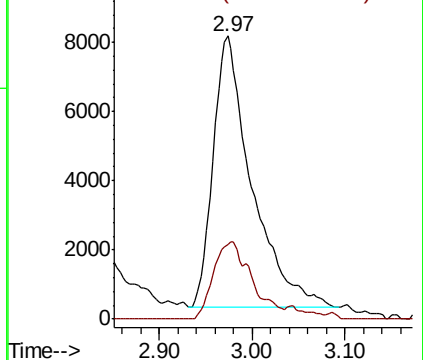
43 100

74 28.3 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.404 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

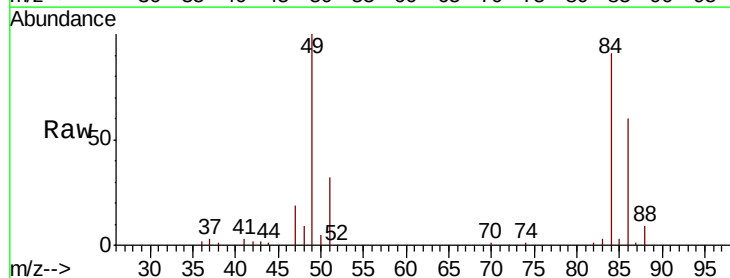
Tgt Ion: 84 Resp: 57608

Ion Ratio Lower Upper

84 100

86 66.2 45.1 83.7

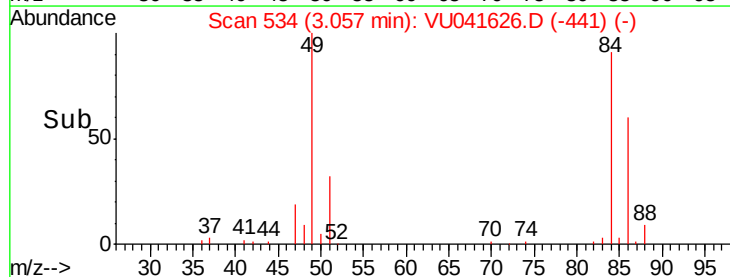
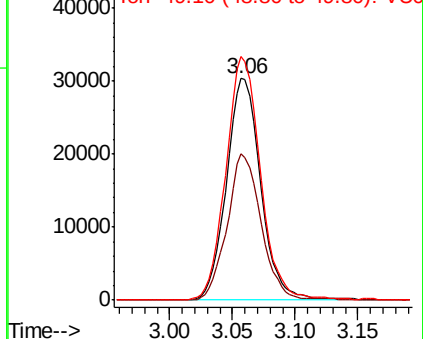
49 110.0 83.1 154.3

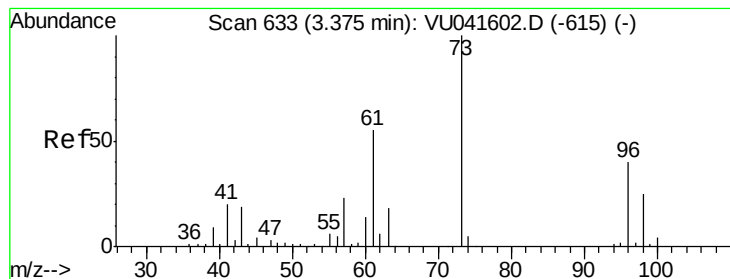


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



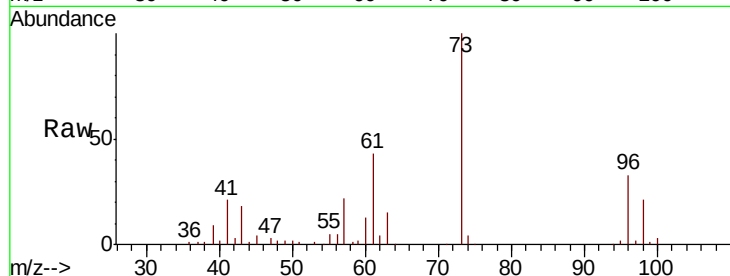


#17

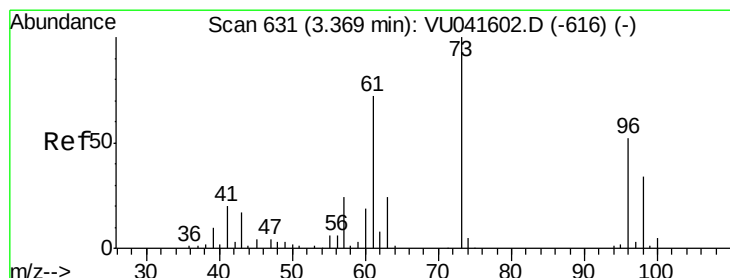
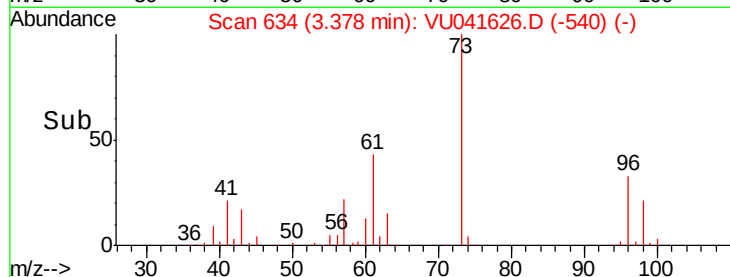
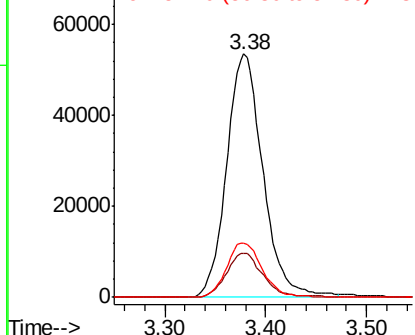
Methyl tert-butyl Ether
 Concen: 5.621 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 73 Resp: 133866
 Ion Ratio Lower Upper
 73 100
 43 18.1 14.7 22.1
 57 22.0 18.2 27.4



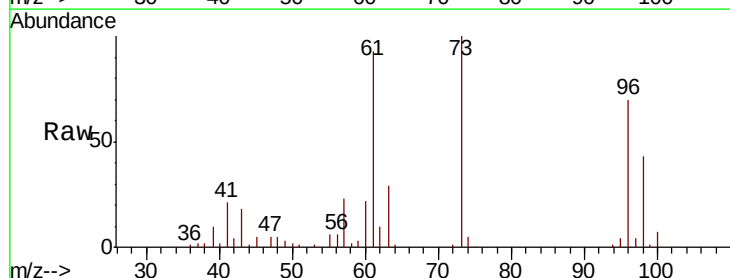
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



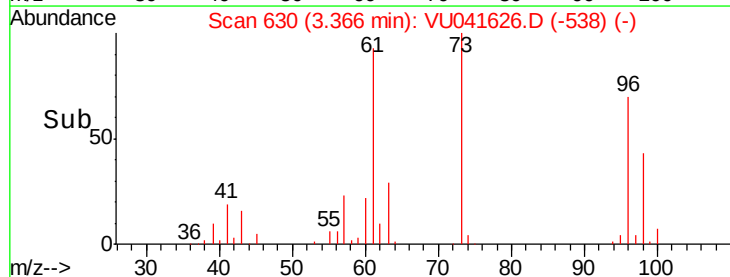
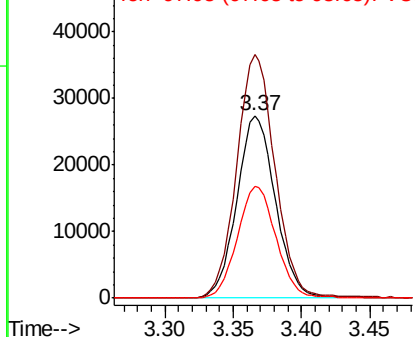
#18

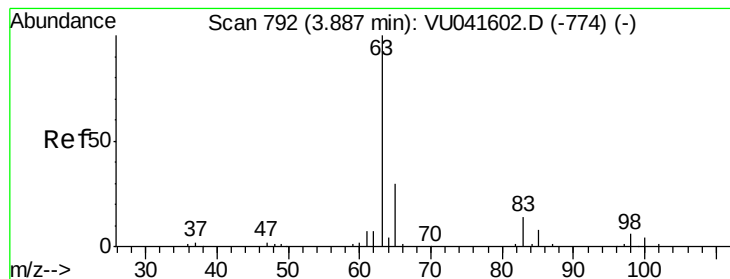
trans-1,2-Dichloroethene
 Concen: 5.826 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion: 96 Resp: 53791
 Ion Ratio Lower Upper
 96 100
 61 133.6 101.8 189.0
 98 61.3 44.4 82.5



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: 5.467 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

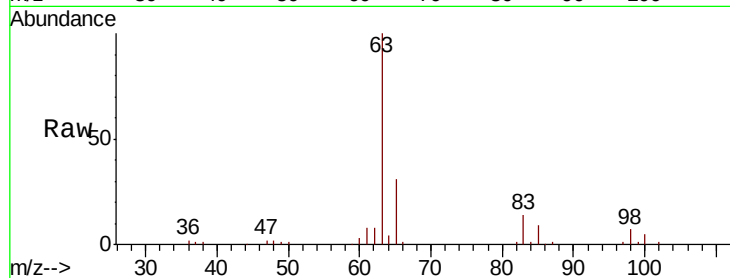
Tot Ion: 63 Resp: 94335

Ion Ratio Lower Upper

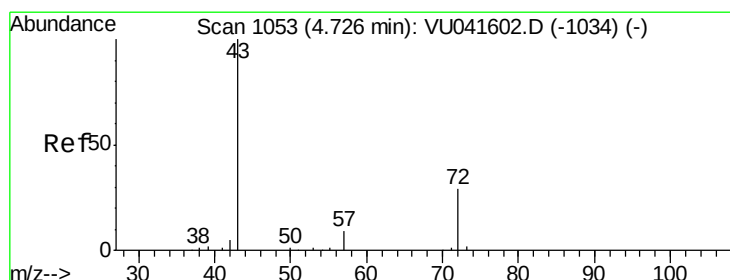
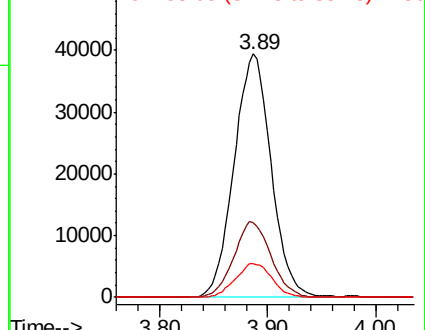
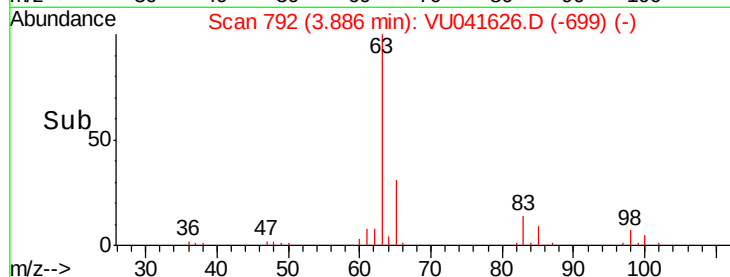
63 100

65 30.9 21.3 39.6

83 13.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041626.D (-699) (-)



#21

2-Butanone

Concen: 55.669 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.02 min

Lab File: VU041626.D

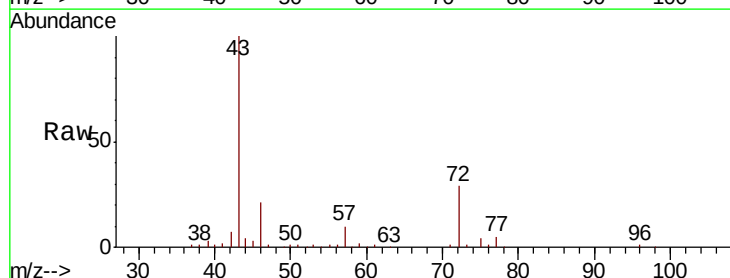
Acq: 15 Dec 2020 09:29

Tgt Ion: 43 Resp: 170438

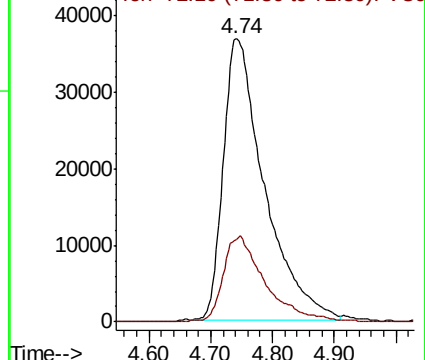
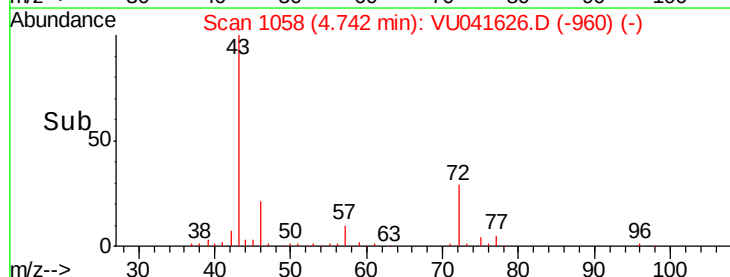
Ion Ratio Lower Upper

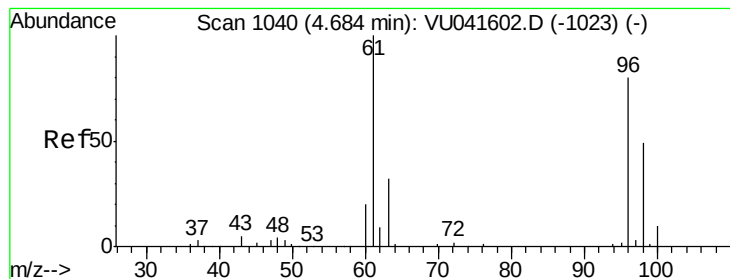
43 100

72 29.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041626.D (-960) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.335 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

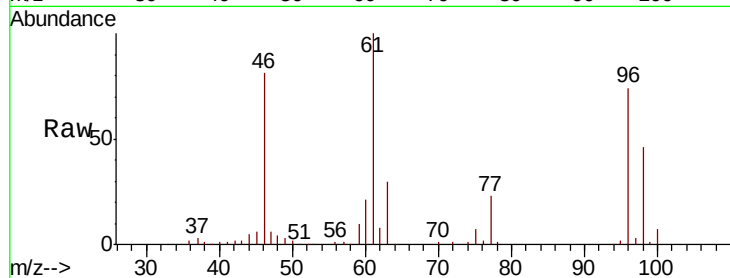
Tot Ion: 96 Resp: 54443

Ion Ratio Lower Upper

96 100

61 134.8 88.8 165.0

68 0.0 0.0 0.0

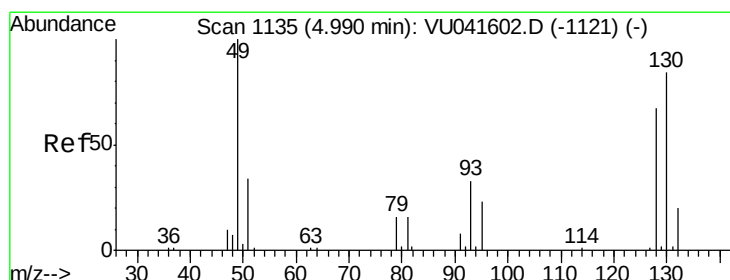
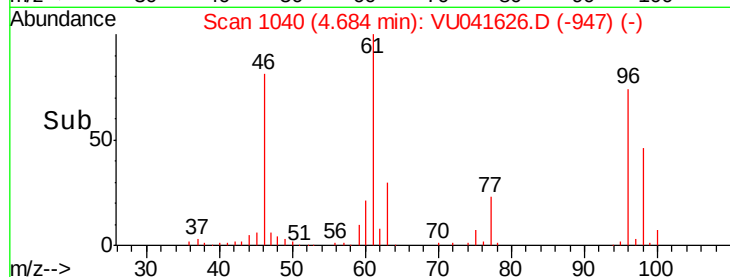
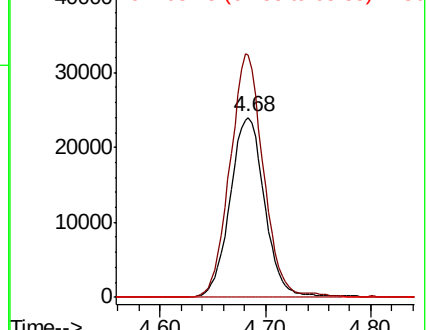


Abundance

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: 5.844 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Tgt Ion:128 Resp: 27394

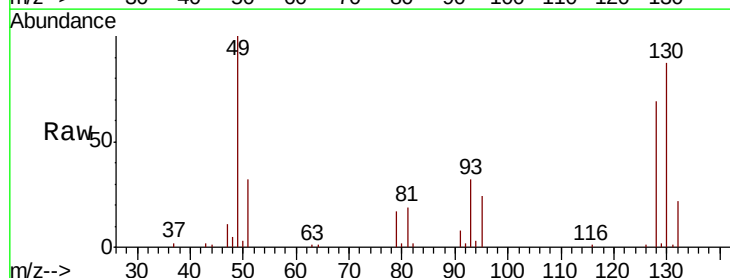
Ion Ratio Lower Upper

128 100

49 144.6 109.3 203.1

130 125.6 84.8 157.6

51 45.6 40.6 61.0



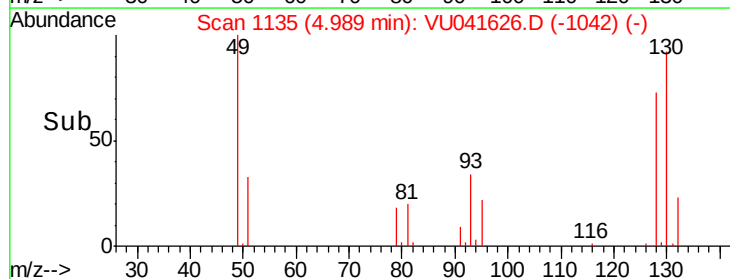
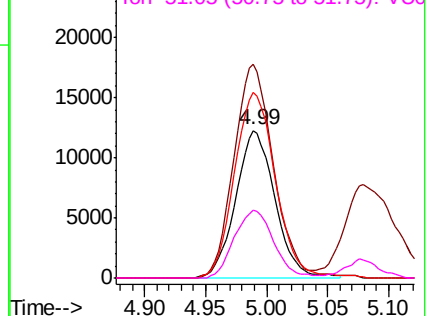
Abundance

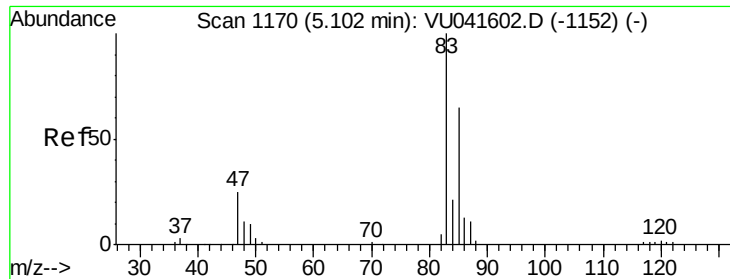
Ion 127.90 (127.60 to 128.60): V

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

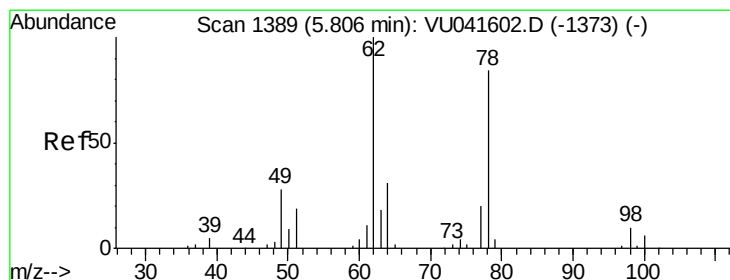
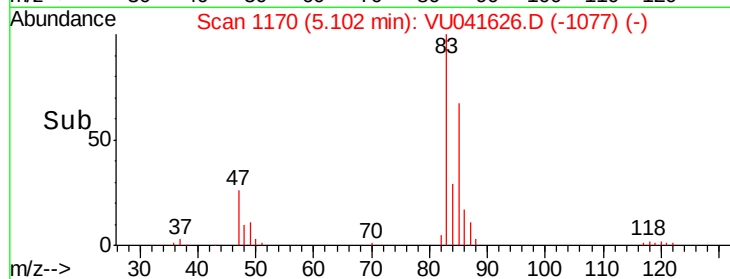
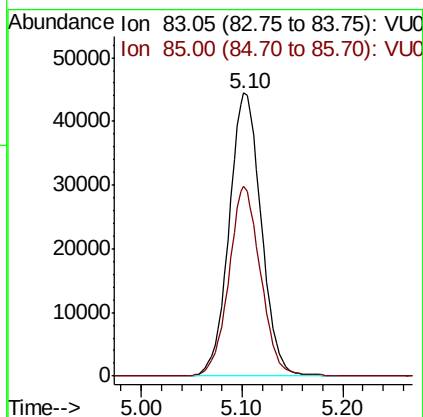
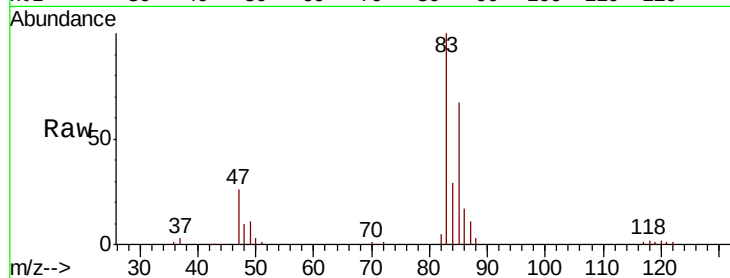




#25
Chloroform
Concen: 5.640 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

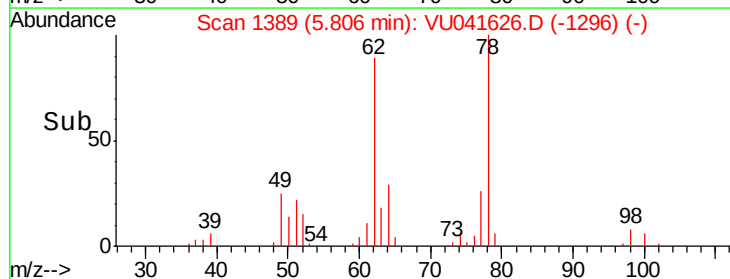
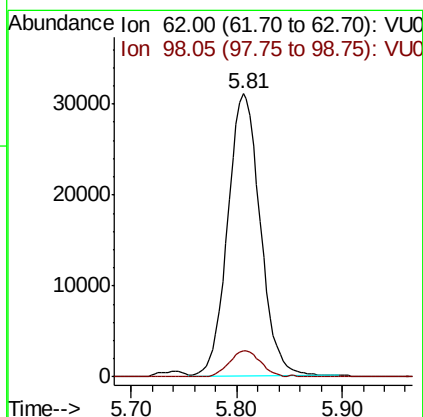
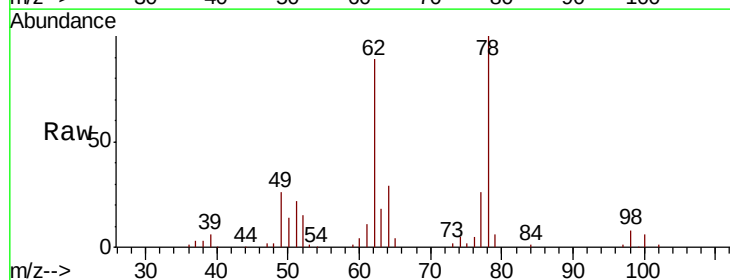
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

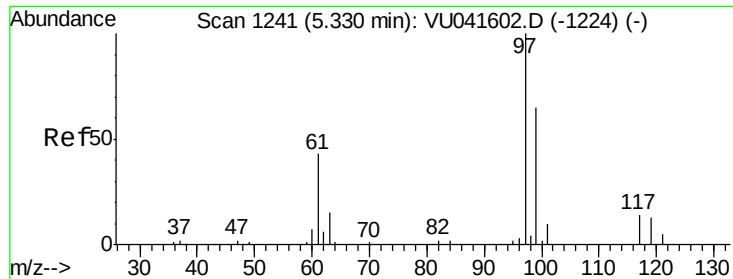
Tot Ion: 83 Resp: 98009
Ion Ratio Lower Upper
83 100
85 67.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.648 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion: 62 Resp: 66468
Ion Ratio Lower Upper
62 100
98 9.4 8.2 12.2

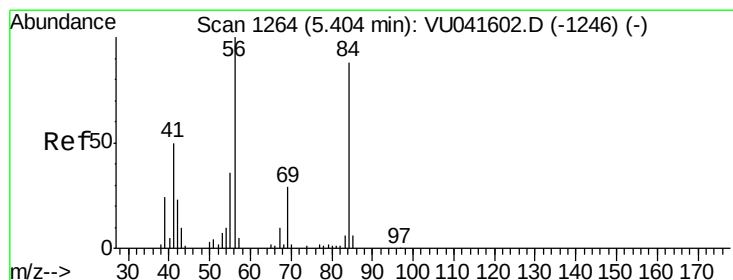
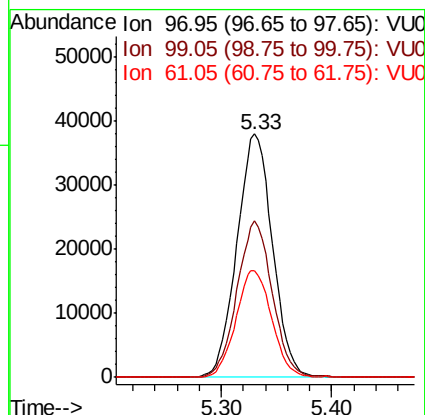
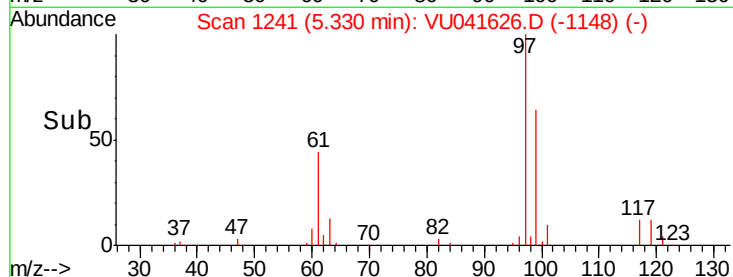
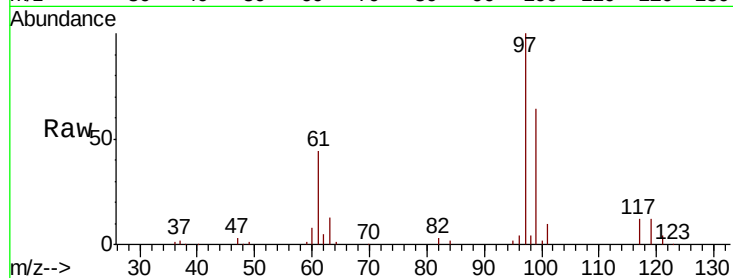




#29
1,1,1-Trichloroethane
Concen: 5.595 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

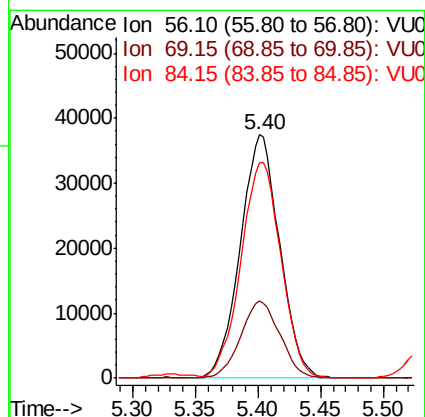
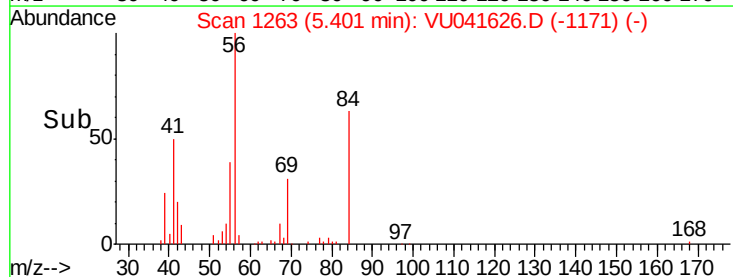
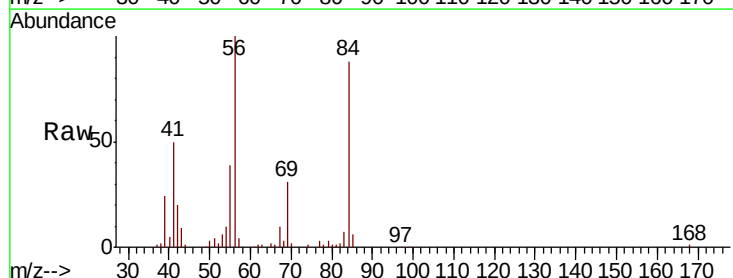
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

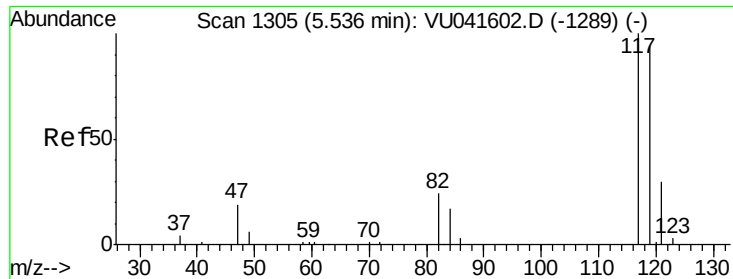
Tot Ion: 97 Resp: 84958
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 44.0 36.5 54.7



#30
Cyclohexane
Concen: 4.810 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion: 56 Resp: 81851
Ion Ratio Lower Upper
56 100
69 31.5 23.8 35.8
84 90.1 66.2 99.4

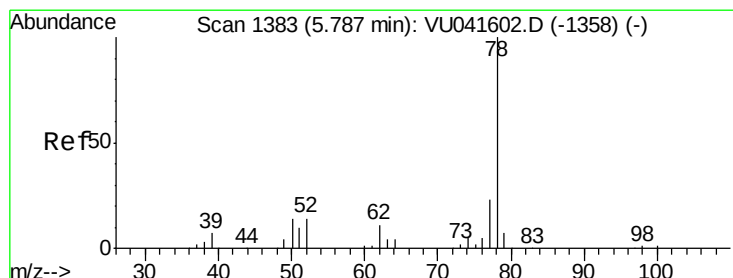
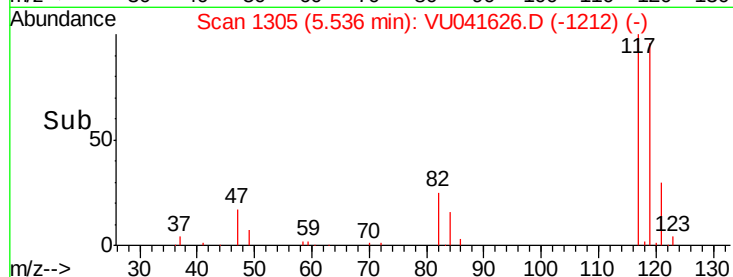
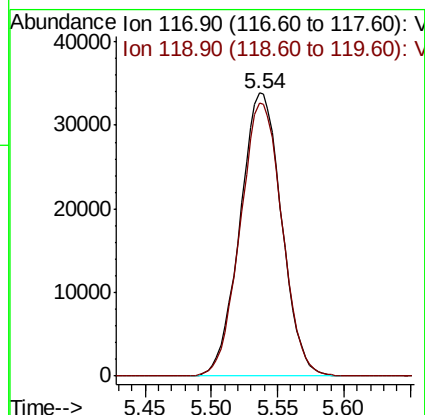
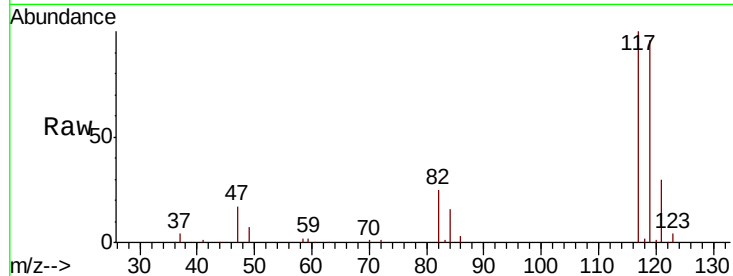




#31
Carbon tetrachloride
Concen: 5.614 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

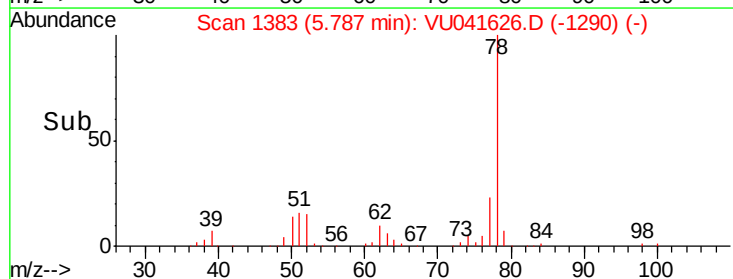
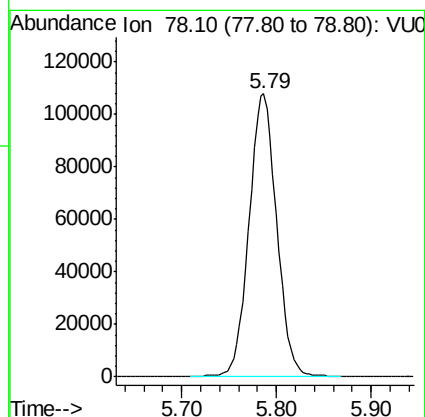
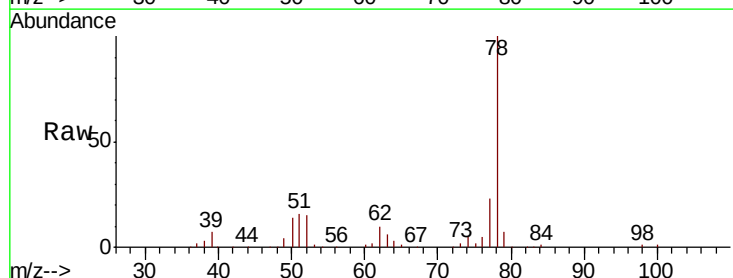
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

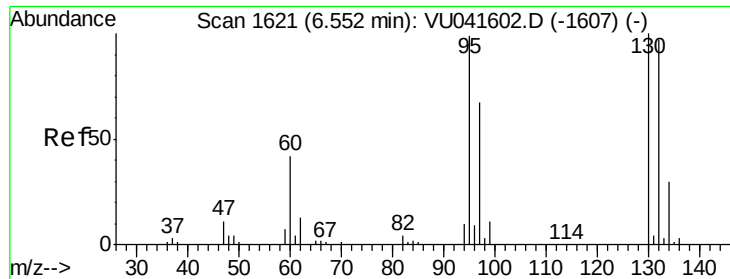
Tot Ion:117 Resp: 73711
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.2



#33
Benzene
Concen: 5.192 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion: 78 Resp: 219565





#34

Trichloroethene

Concen: 5.346 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tot Ion: 95 Resp: 56809

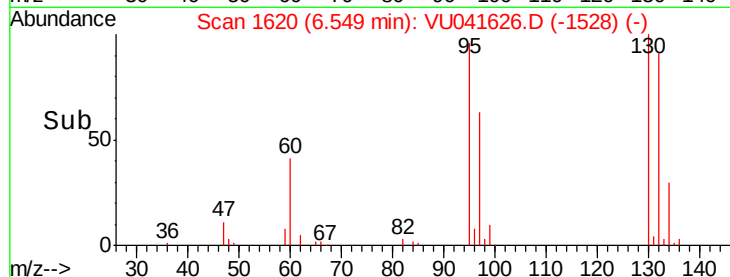
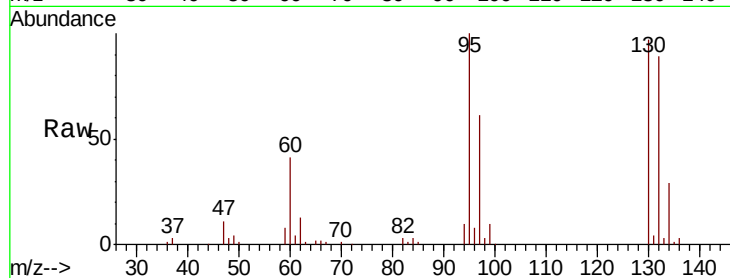
Ion Ratio Lower Upper

95 100

97 61.2 43.9 81.5

132 88.9 63.1 117.3

130 97.2 67.4 125.2

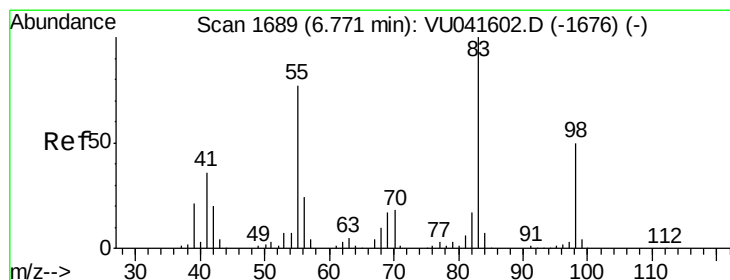
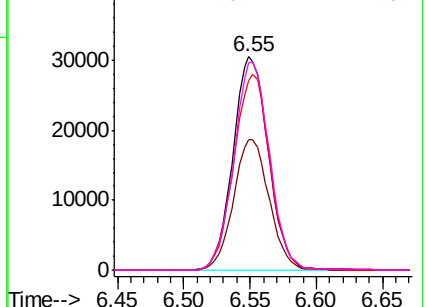


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.244 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

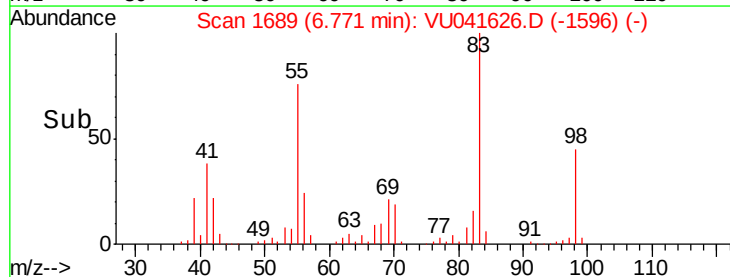
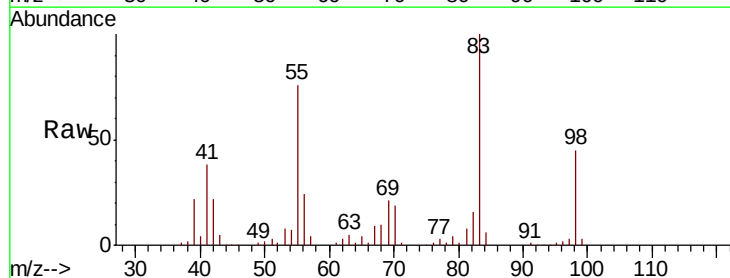
Tgt Ion: 83 Resp: 90069

Ion Ratio Lower Upper

83 100

55 75.1 61.2 91.8

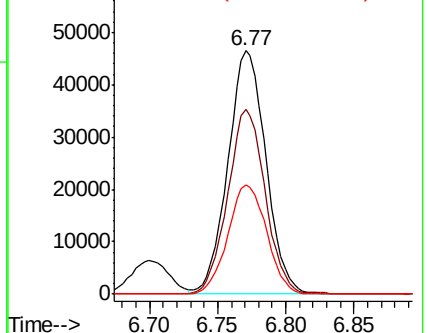
98 45.7 36.6 54.8

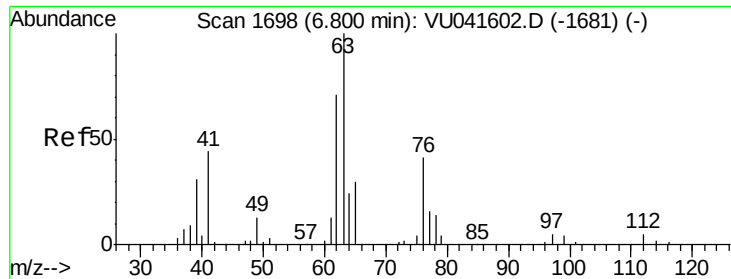


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

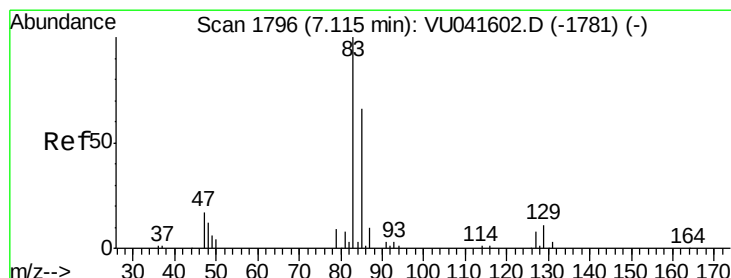
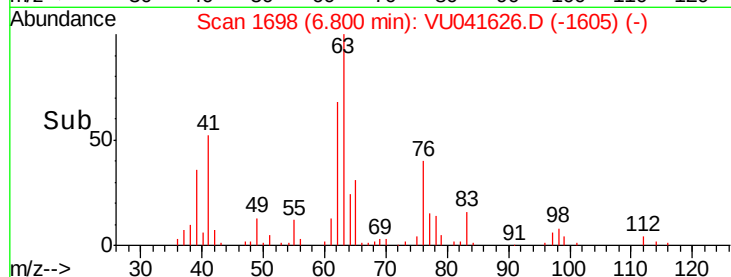
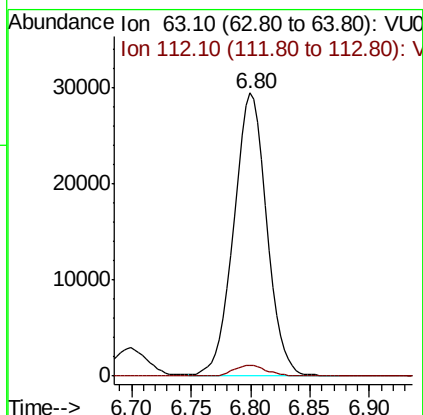
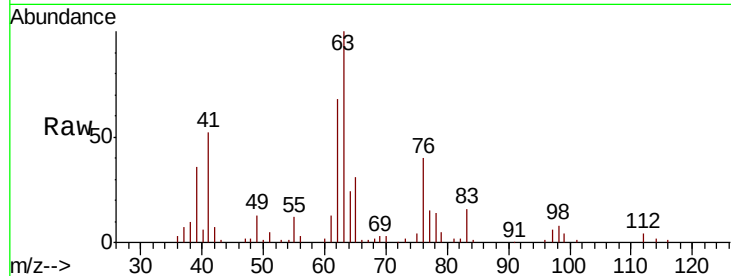




#37
 1,2-Dichloropropane
 Concen: 5.233 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

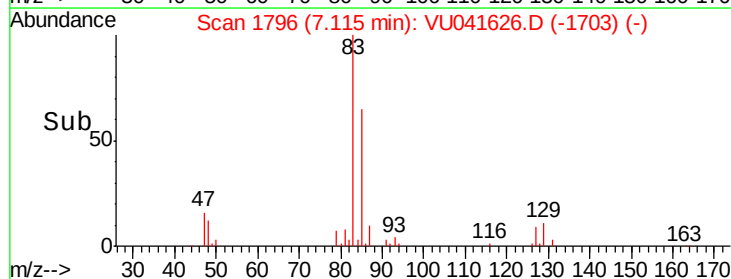
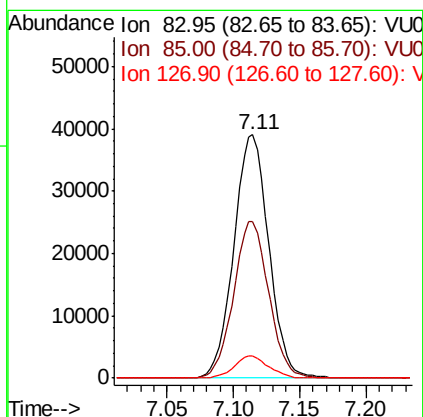
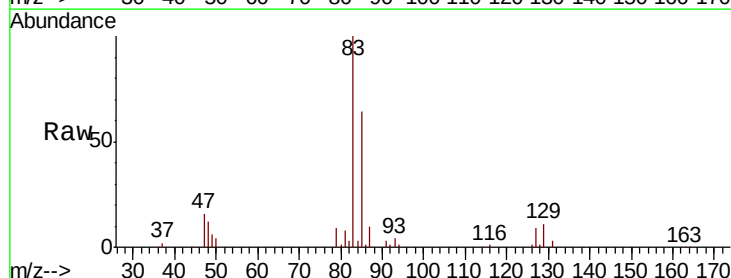
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

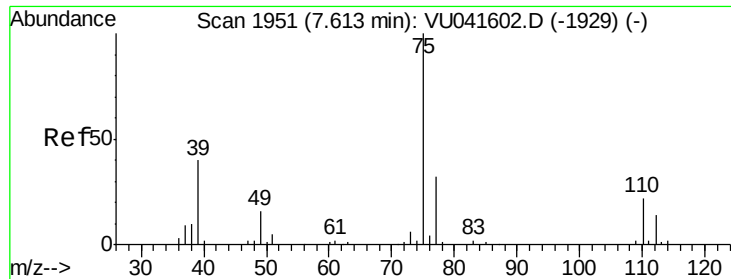
Tot Ion: 63 Resp: 56593
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.319 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion: 83 Resp: 71570
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.5 84.5
 127 9.1 7.0 10.6

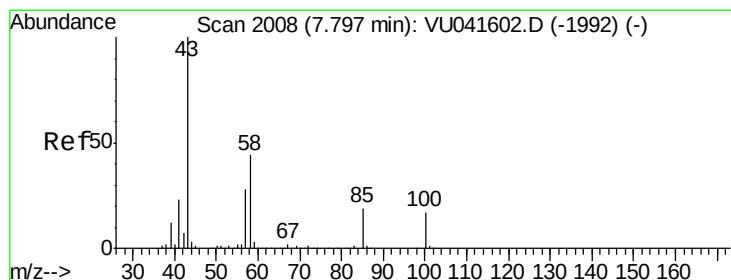
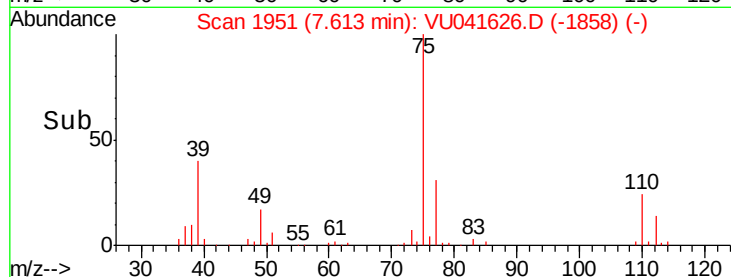
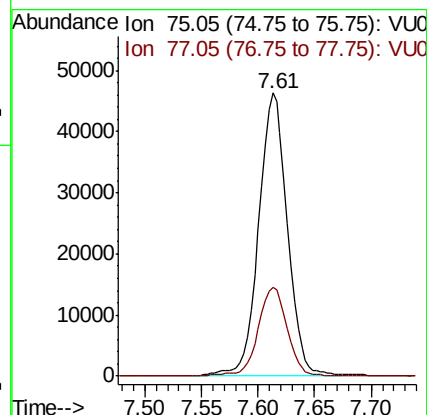
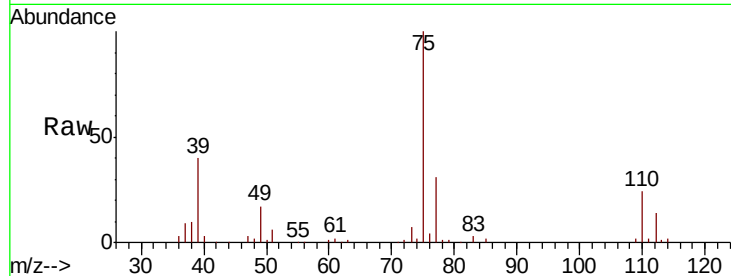




#39
 cis-1,3-Dichloropropene
 Concen: 5.104 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

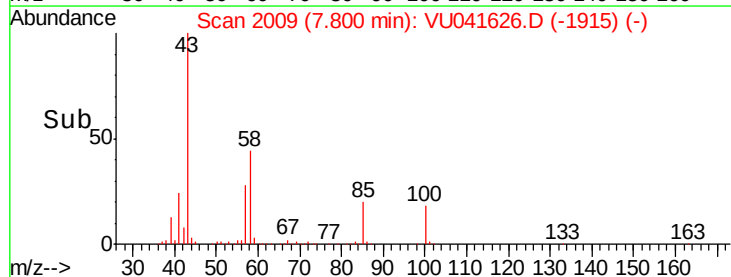
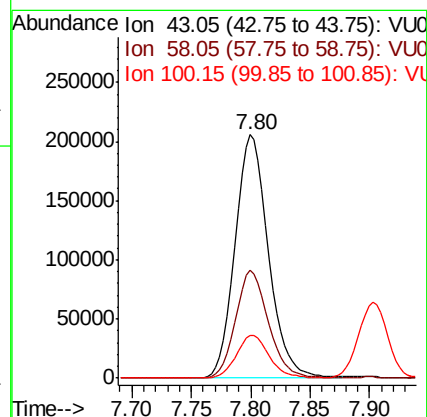
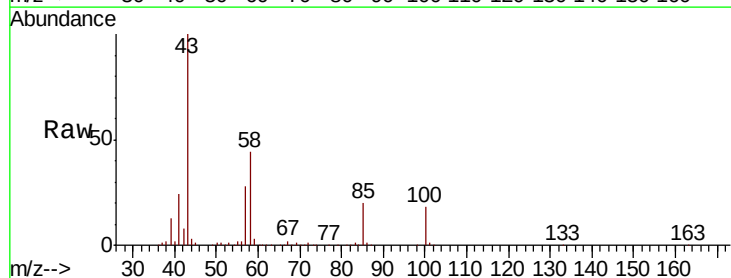
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

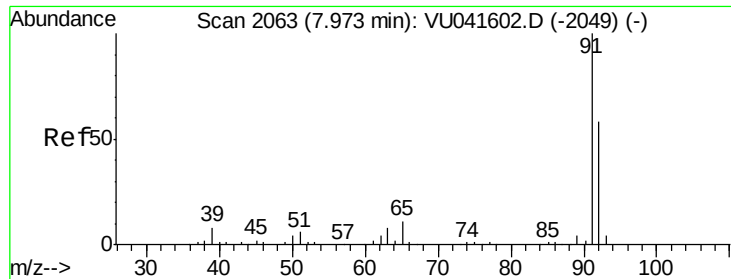
Tot Ion: 75 Resp: 81801
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.975 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion: 43 Resp: 400006
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.2 51.2
 100 17.3 12.3 18.5





#42

Toluene

Concen: 5.378 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

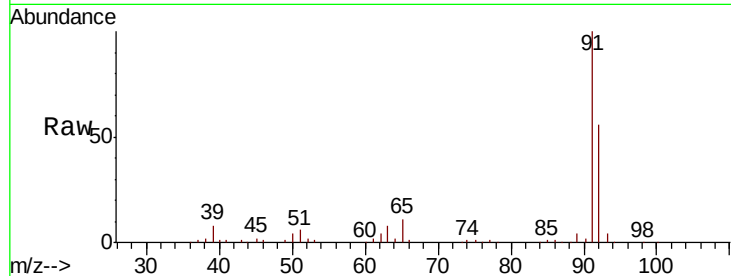
VSTD00516

Tot Ion: 91 Resp: 234786

Ion Ratio Lower Upper

91 100

92 55.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041602.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041602.D (-2049) (-)

7.97

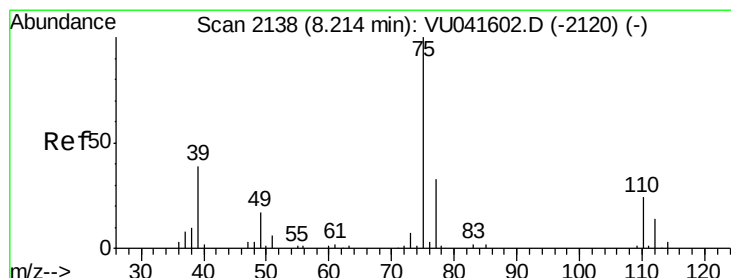
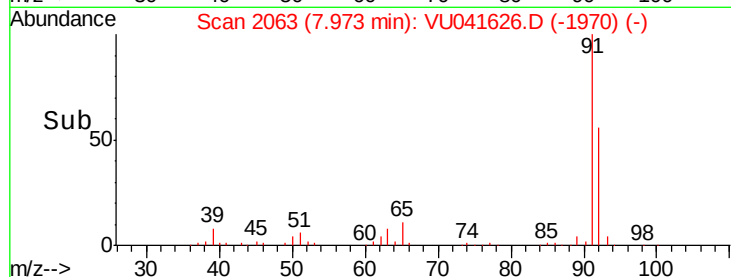
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.441 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041626.D

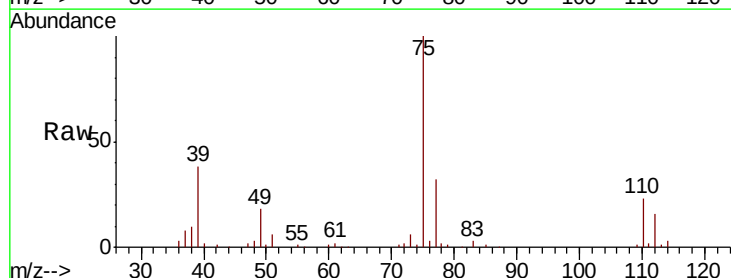
Acq: 15 Dec 2020 09:29

Tgt Ion: 75 Resp: 77980

Ion Ratio Lower Upper

75 100

77 32.5 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041602.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041602.D (-2120) (-)

8.21

50000

40000

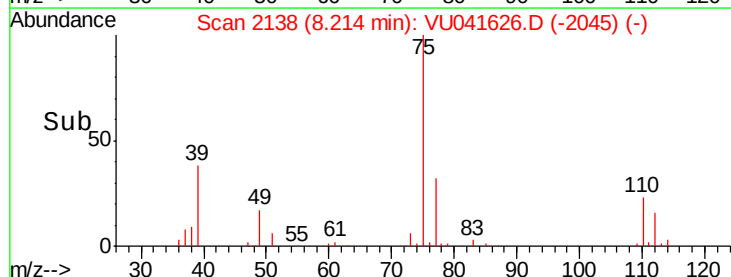
30000

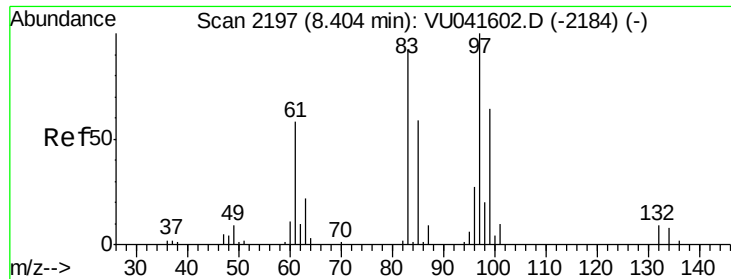
20000

10000

0

Time-->

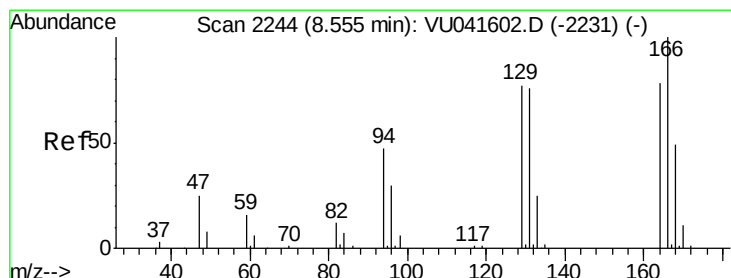
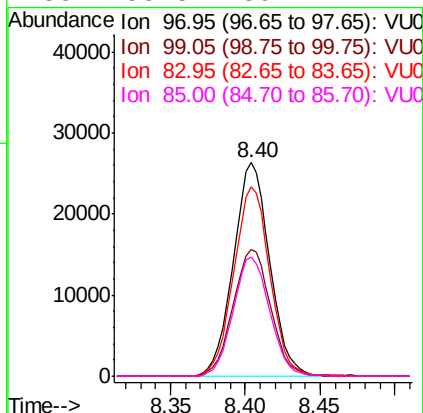
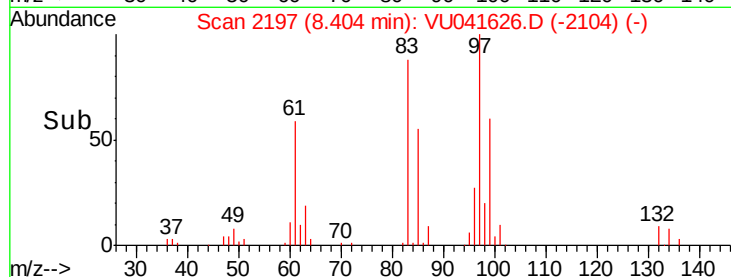
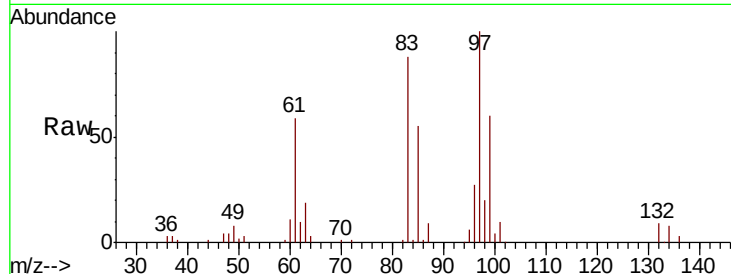




#45
 1,1,2-Trichloroethane
 Concen: 5.575 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

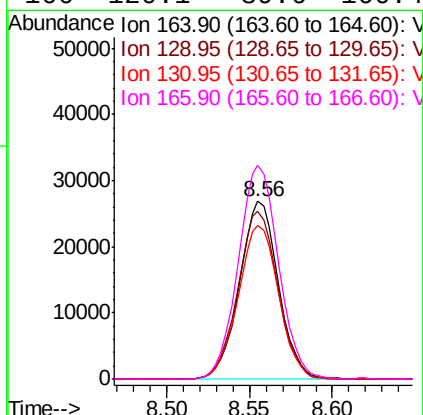
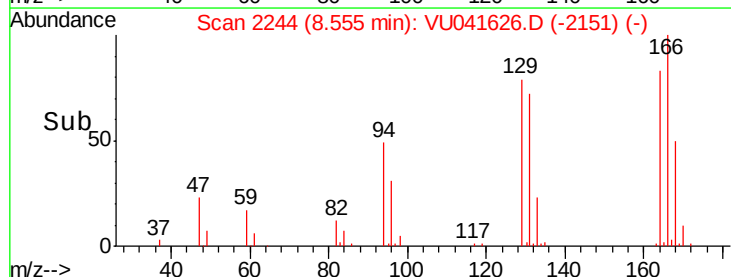
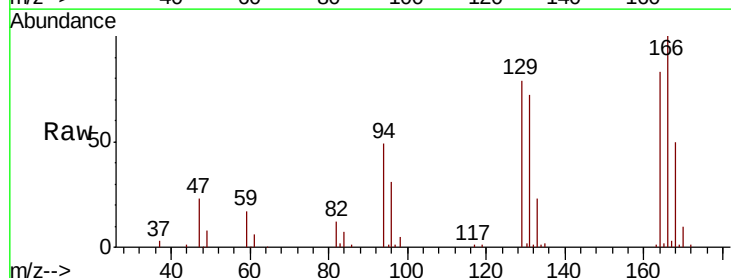
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

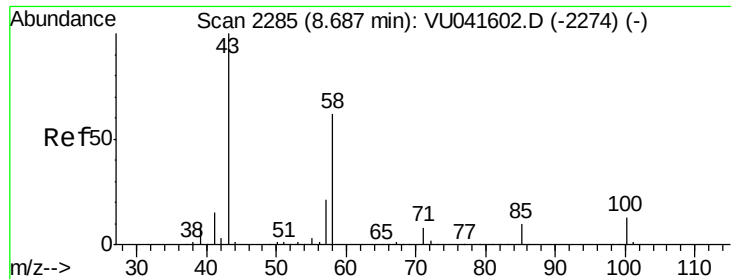
Tot Ion:	97	Resp:	44595
Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.1	78.3
83	88.4	62.6	116.2
85	55.5	39.1	72.7



#47
 Tetrachloroethene
 Concen: 5.865 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion:	164	Resp:	43628
Ion	Ratio	Lower	Upper
164	100		
129	94.6	72.2	134.0
131	86.3	66.9	124.3
166	120.1	89.6	166.4

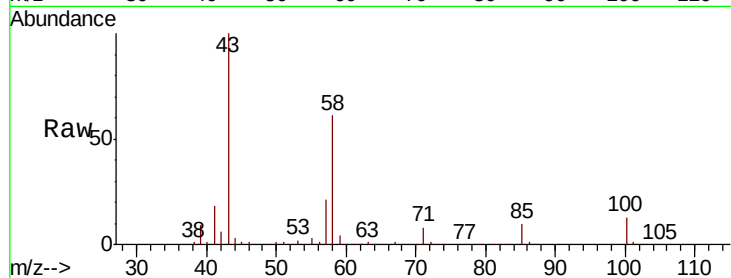




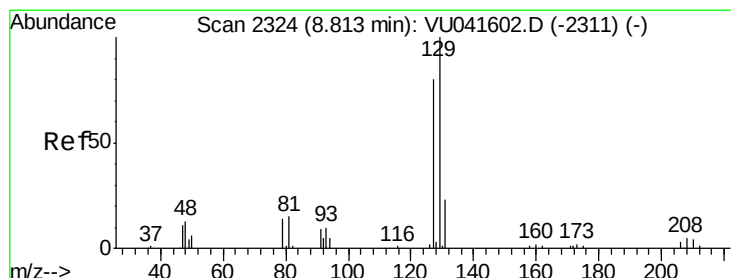
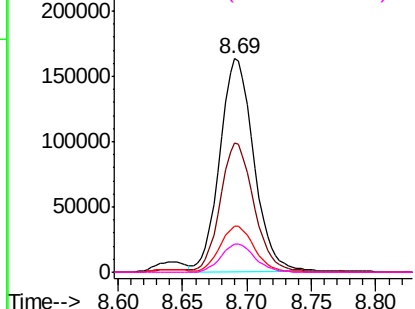
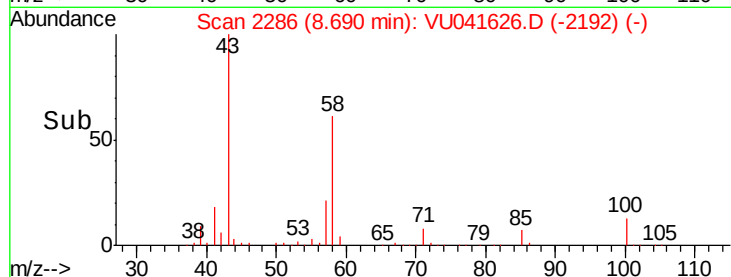
#48
2-Hexanone
Concen: 53.351 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:	43	Resp:	298821
Ion	Ratio	Lower	Upper
43	100		
58	60.9	47.9	71.9
57	22.2	16.5	24.7
100	13.3	9.4	14.2

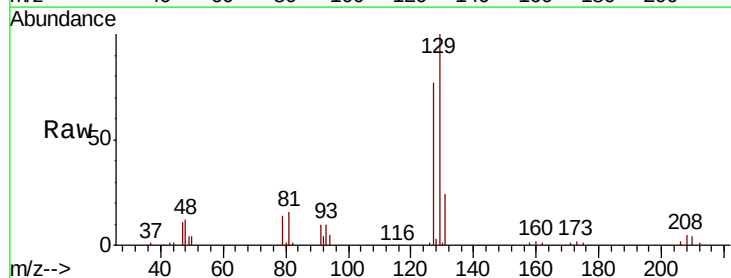


Abundance Ion 43.05 (42.75 to 43.75): VU041626.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041626.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041626.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041626.D (-2192) (-)

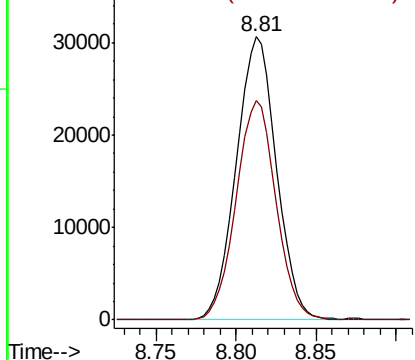
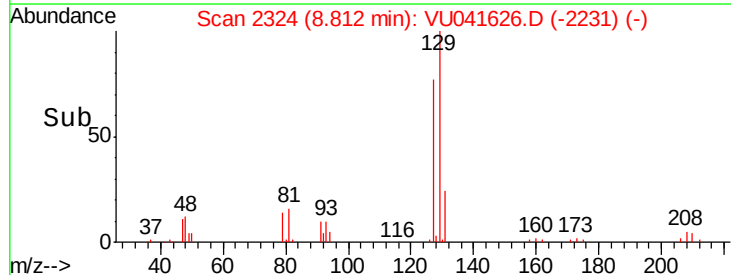


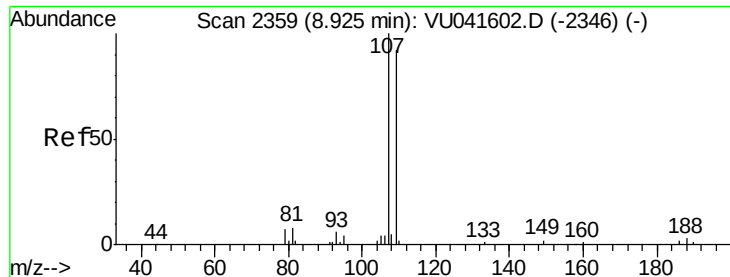
#49
Dibromochloromethane
Concen: 5.706 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion:	129	Resp:	52421
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041626.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041626.D (-2231) (-)

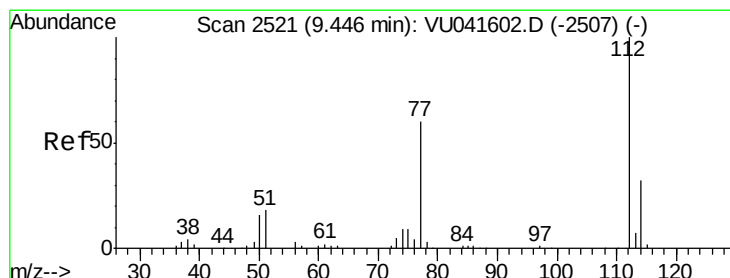
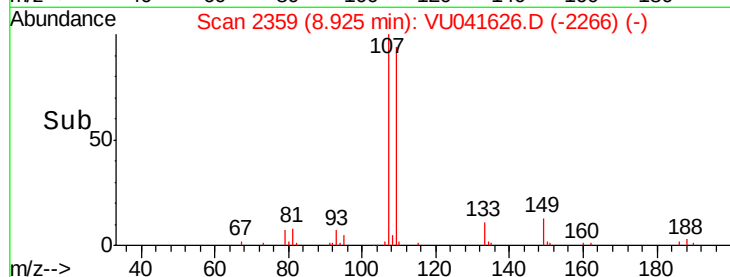
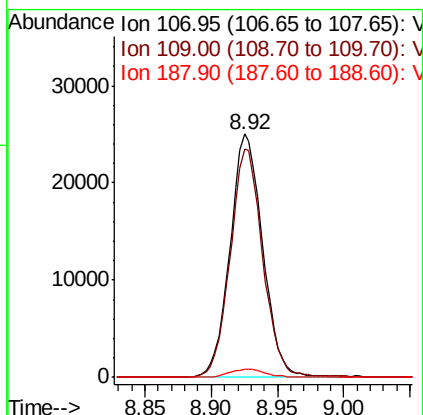
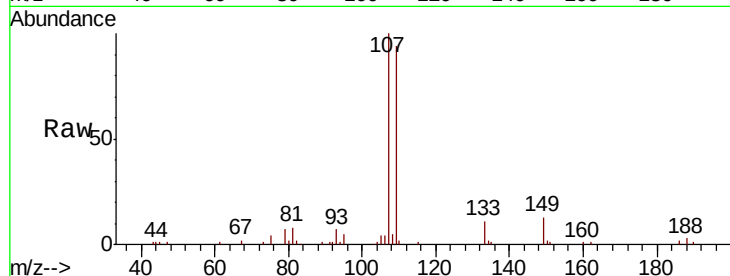




#50
 1,2-Dibromoethane
 Concen: 5.406 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

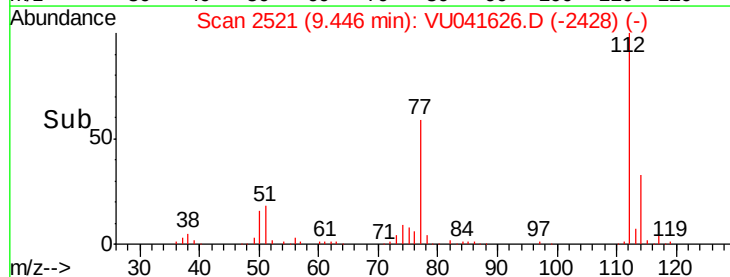
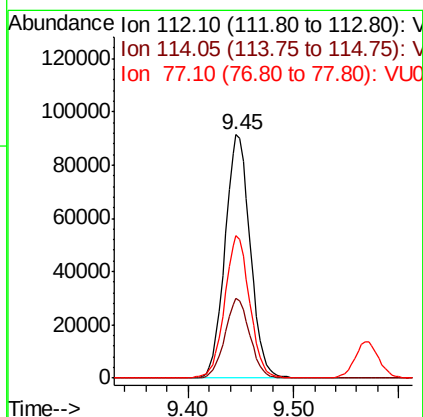
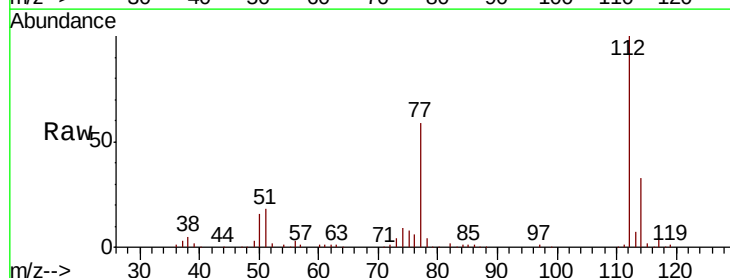
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

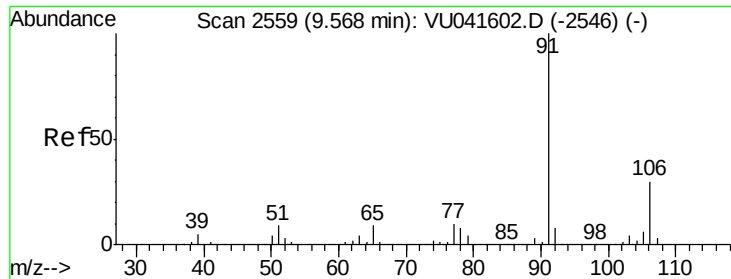
Tot Ion:107 Resp: 42770
 Ion Ratio Lower Upper
 107 100
 109 93.7 65.6 121.8
 188 3.5 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.564 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion:112 Resp: 150982
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.7 42.3
 77 58.5 49.1 73.7





#52

Ethylbenzene

Concen: 5.146 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

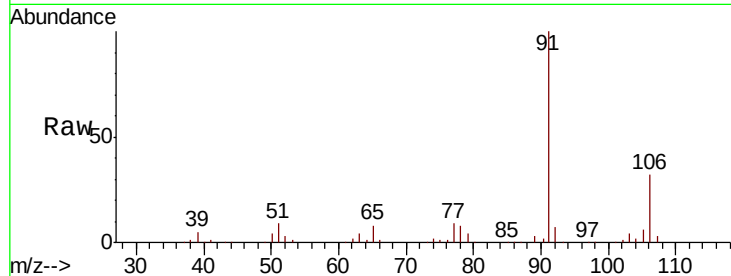
VSTD00516

Tot Ion: 91 Resp: 239220

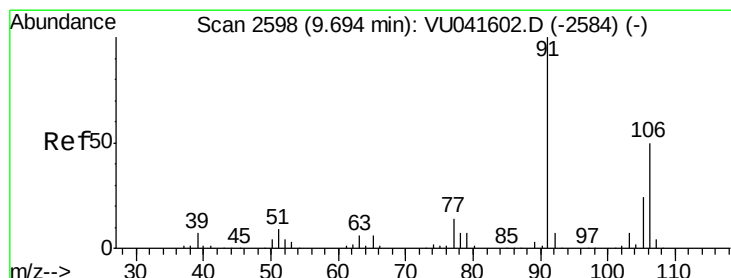
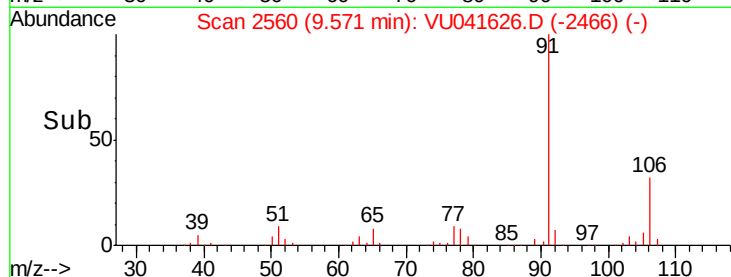
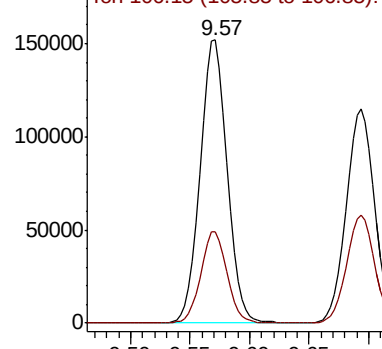
Ion Ratio Lower Upper

91 100

106 32.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041626.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.484 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041626.D

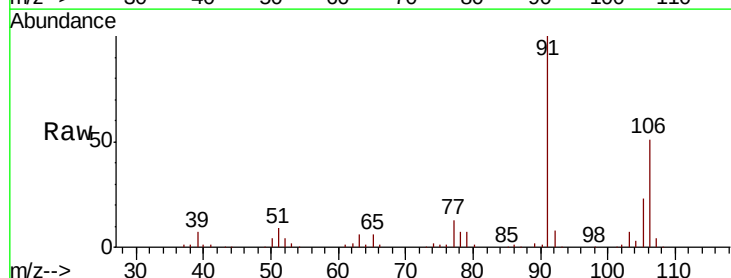
Acq: 15 Dec 2020 09:29

Tgt Ion: 106 Resp: 95080

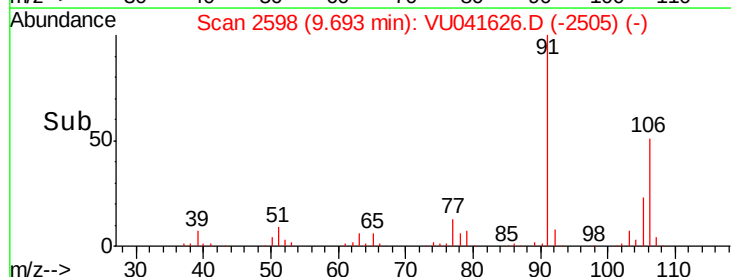
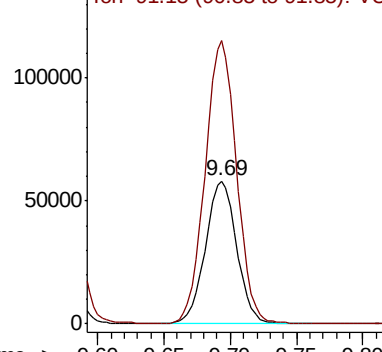
Ion Ratio Lower Upper

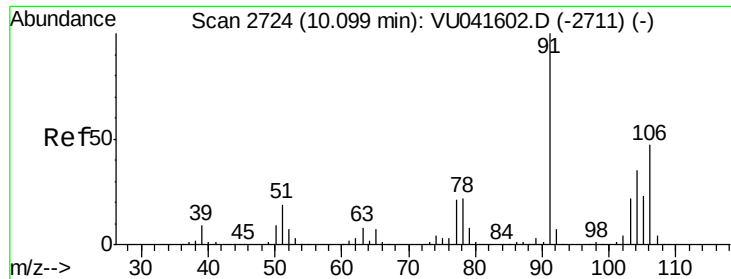
106 100

91 197.6 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041626.D (-2584) (-)

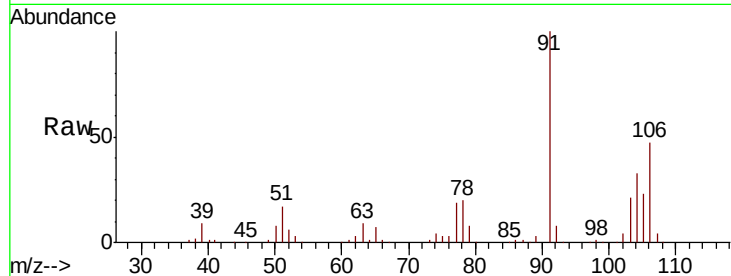




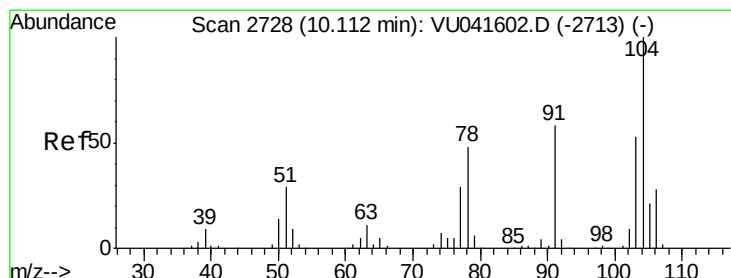
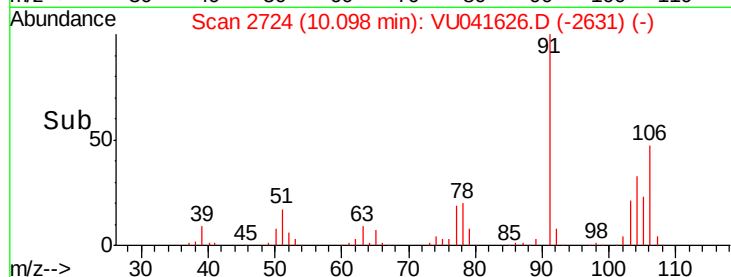
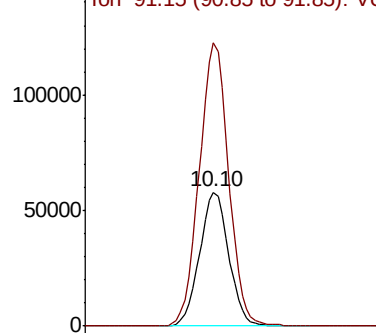
#54
o-Xylene
Concen: 5.337 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:106 Resp: 90636
Ion Ratio Lower Upper
106 100
91 211.1 151.3 281.1

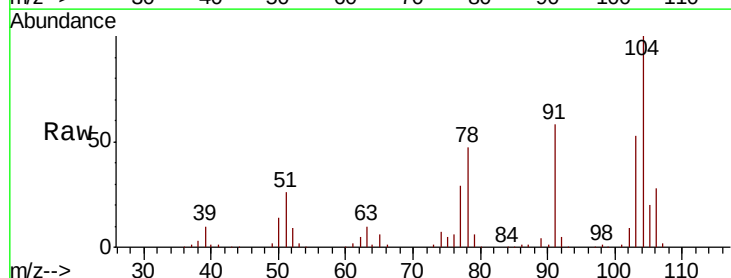


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

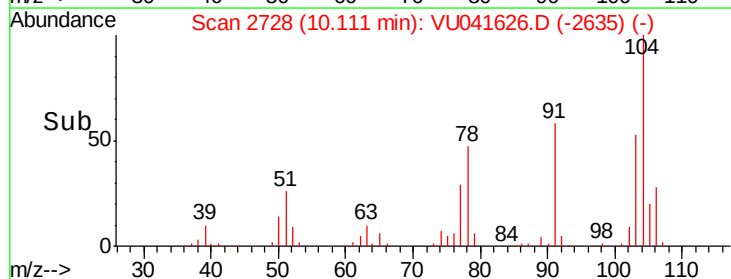
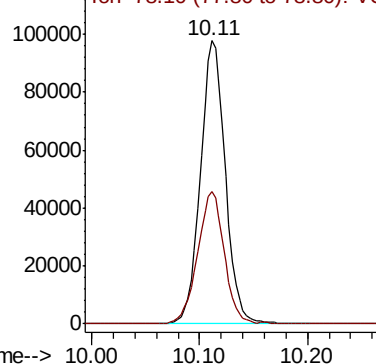


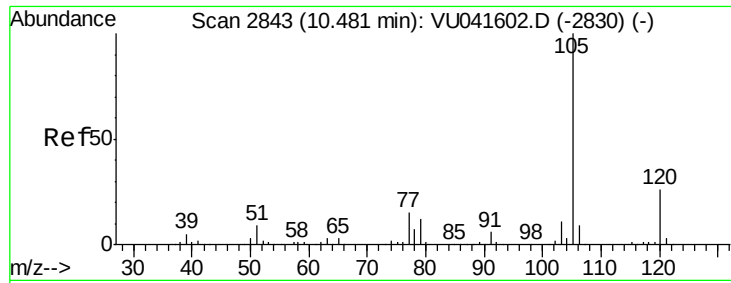
#55
Styrene
Concen: 5.366 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041626.D
Acq: 15 Dec 2020 09:29

Tgt Ion:104 Resp: 157419
Ion Ratio Lower Upper
104 100
78 46.9 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.296 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

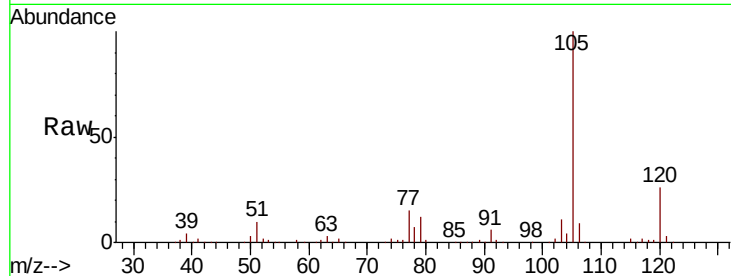
Tot Ion:105 Resp: 239358

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

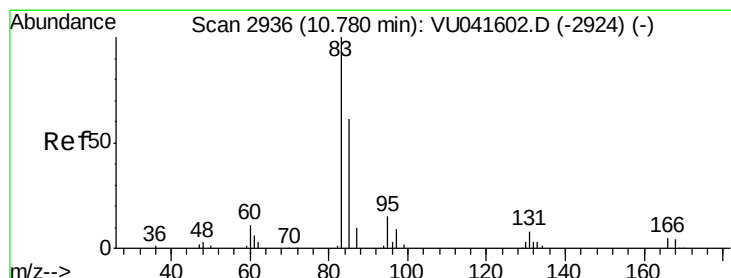
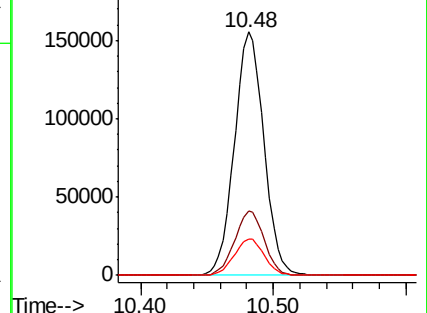
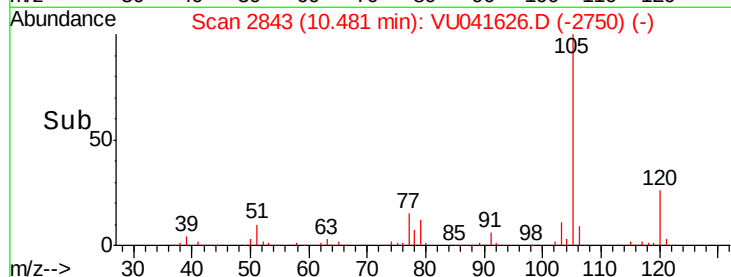
77 15.5 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.372 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

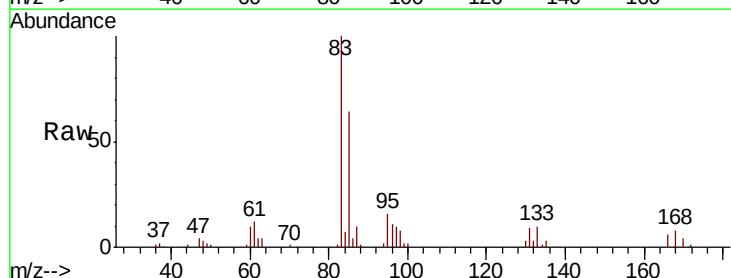
Tgt Ion: 83 Resp: 59788

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.7

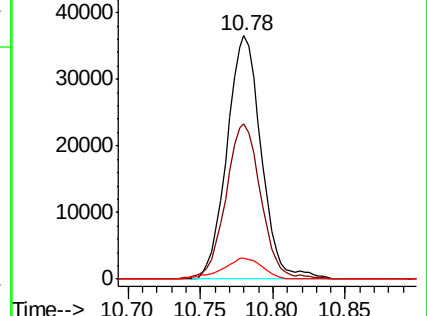
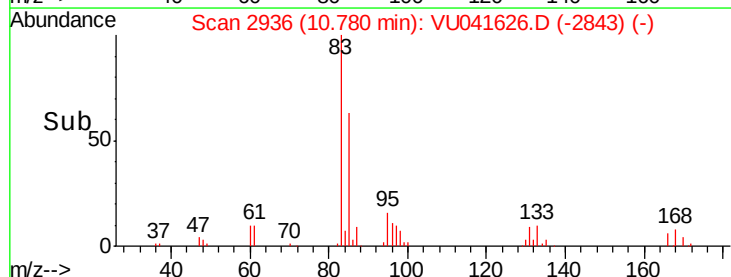
131 8.8 7.8 11.6

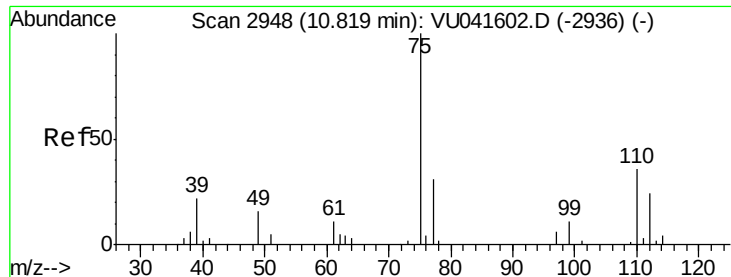


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

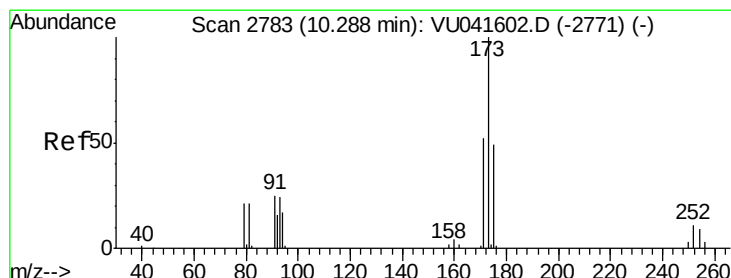
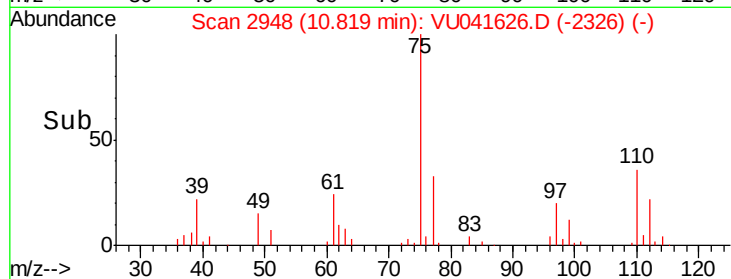
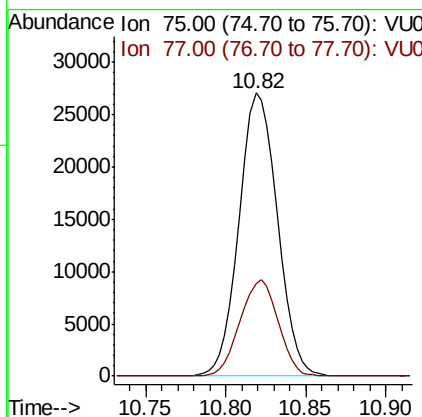
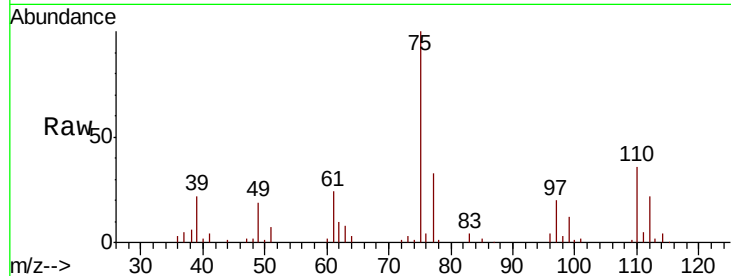




#59
 1,2,3-Trichloropropane
 Concen: 5.444 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

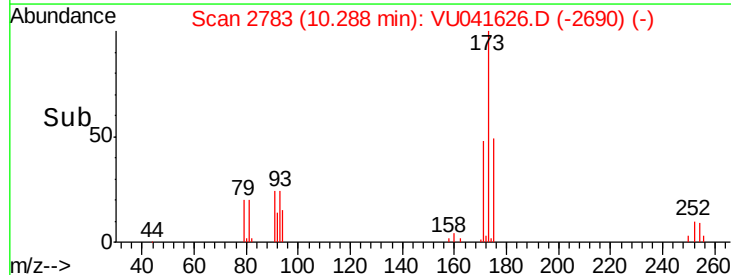
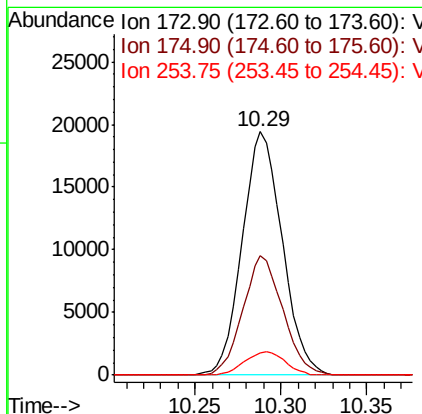
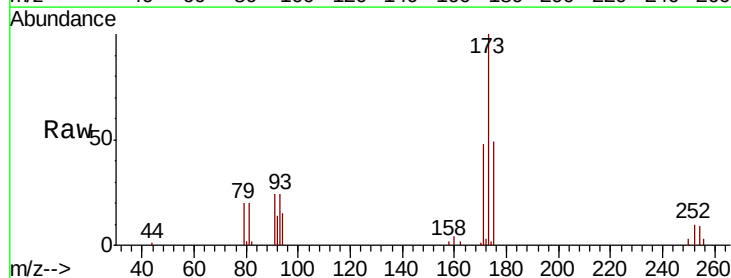
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

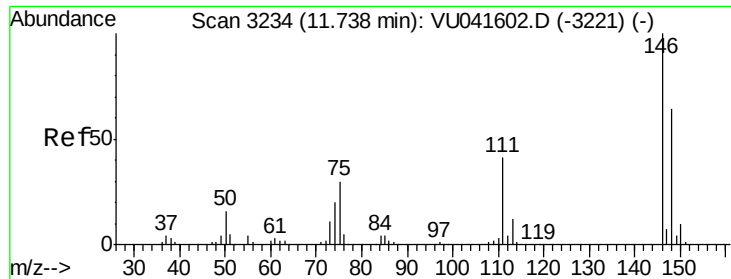
Tot Ion: 75 Resp: 44222
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.2 39.2



#61
 Bromoform
 Concen: 6.418 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion:173 Resp: 31375
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.3 55.9
 254 9.6 7.4 11.2

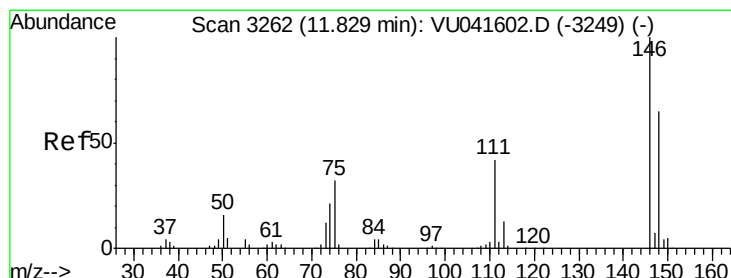
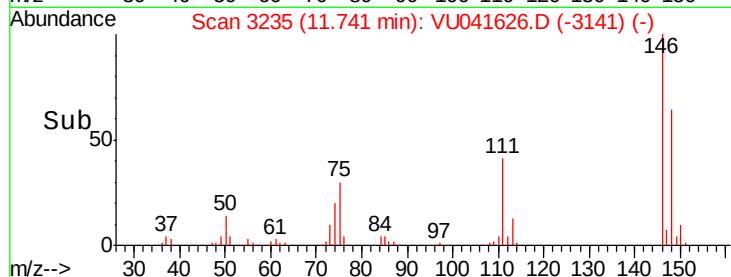
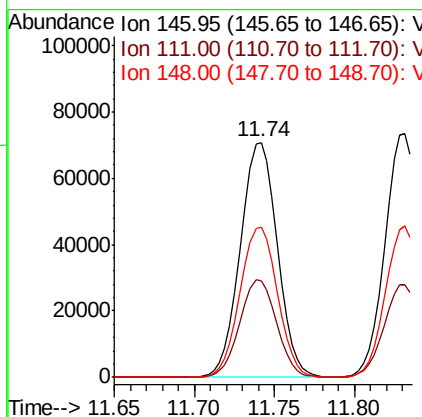
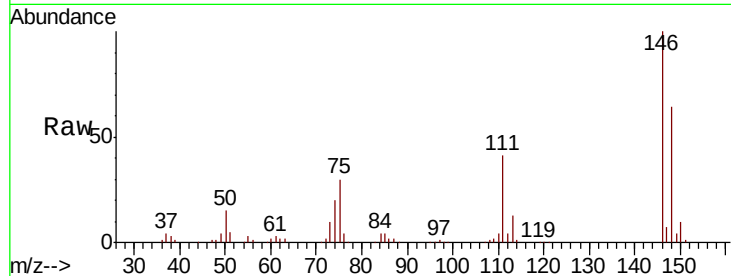




#62
 1,3-Dichlorobenzene
 Concen: 5.645 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

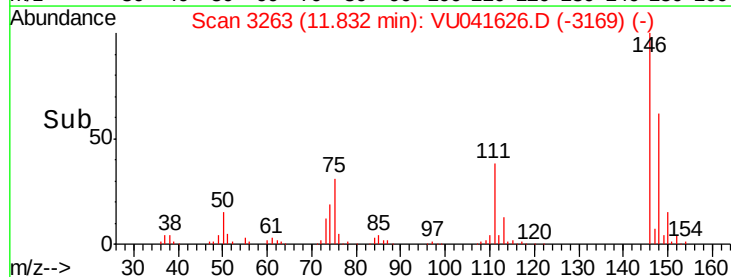
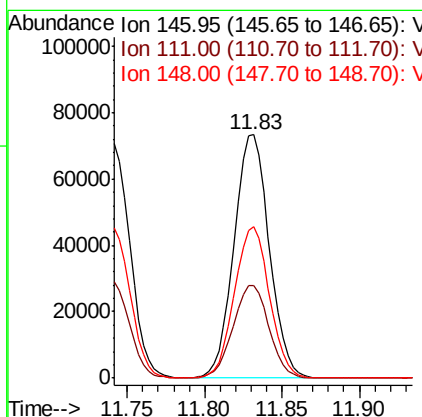
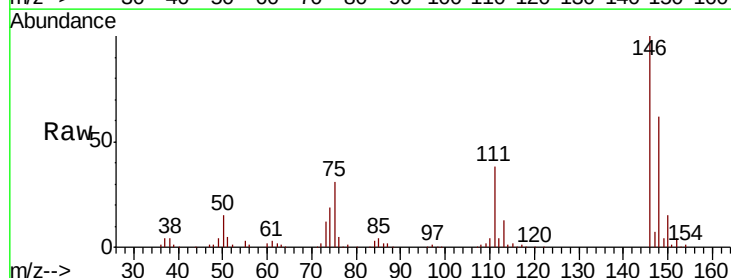
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

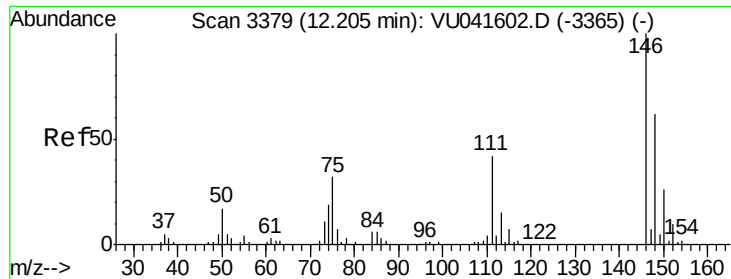
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	30.0	55.8
148	63.7	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.837 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	27.9	51.9
148	62.2	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.690 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

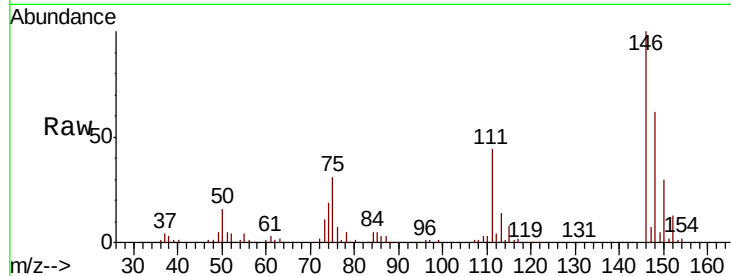
Tot Ion:146 Resp: 110208

Ion Ratio Lower Upper

146 100

111 44.0 35.0 52.6

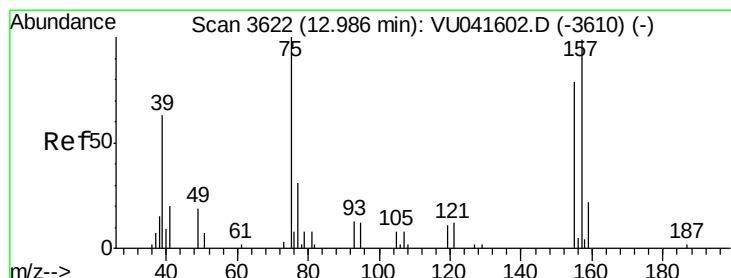
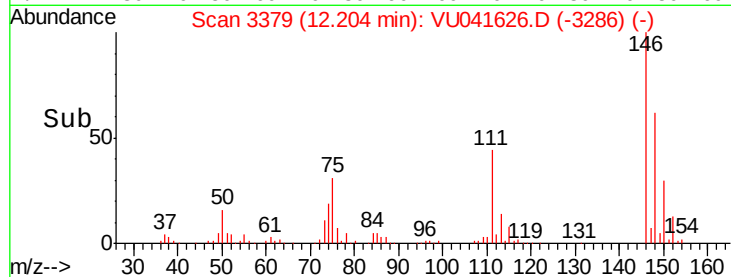
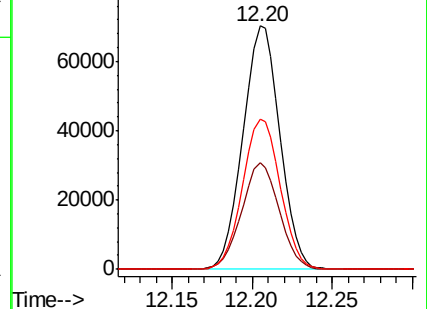
148 61.6 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.711 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

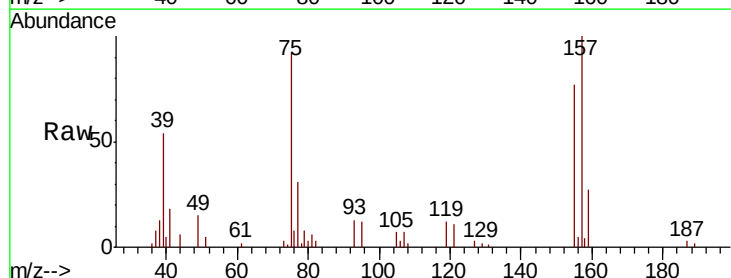
Tgt Ion: 75 Resp: 10372

Ion Ratio Lower Upper

75 100

155 83.4 57.4 86.0

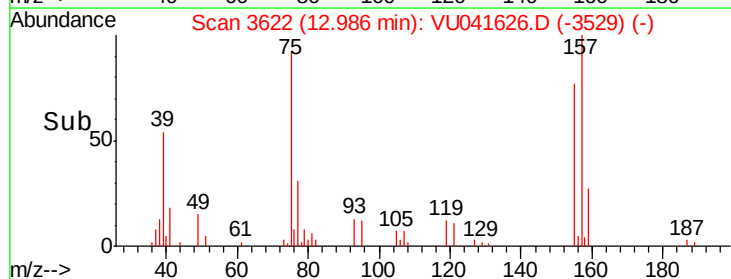
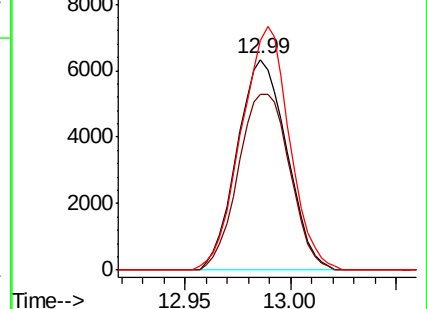
157 108.6 72.4 108.6#

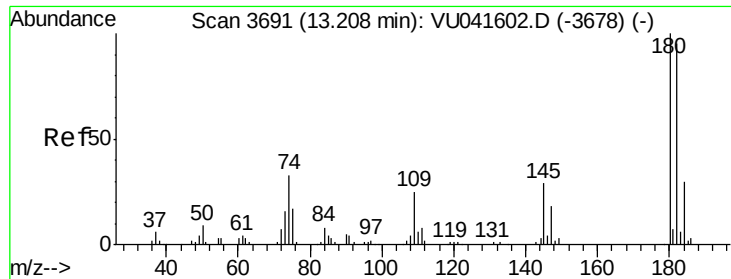


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

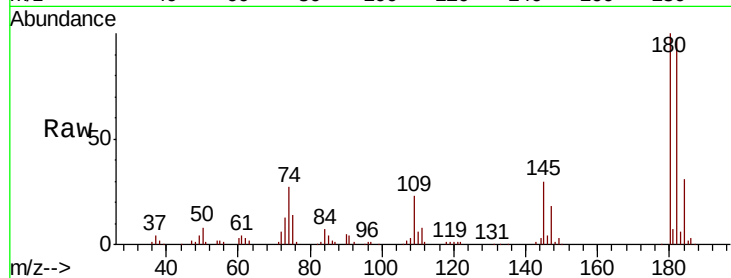




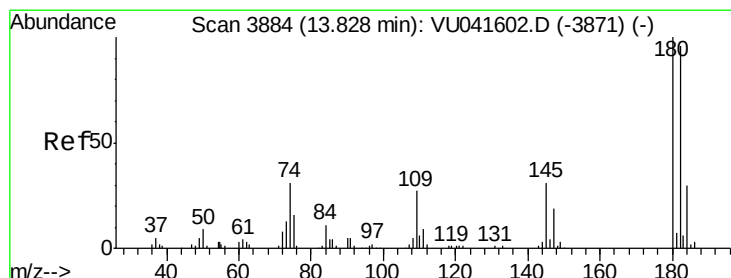
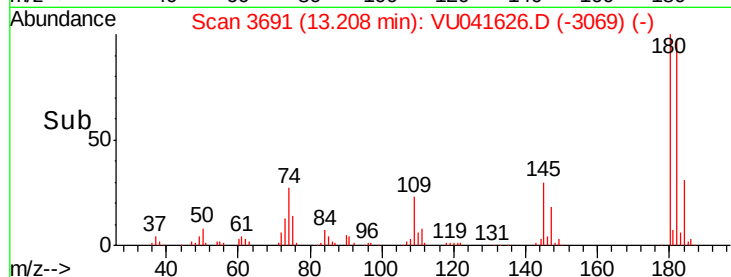
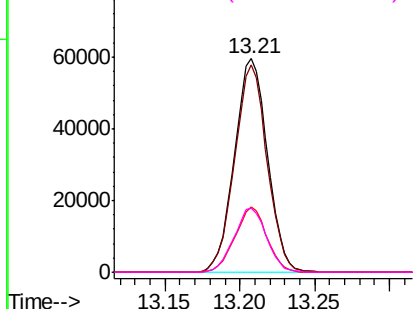
#67
 1,3,5-Trichlorobenzene
 Concen: 6.089 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:180 Resp: 91408
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 184 29.5 24.1 36.1
 145 29.5 24.1 36.1

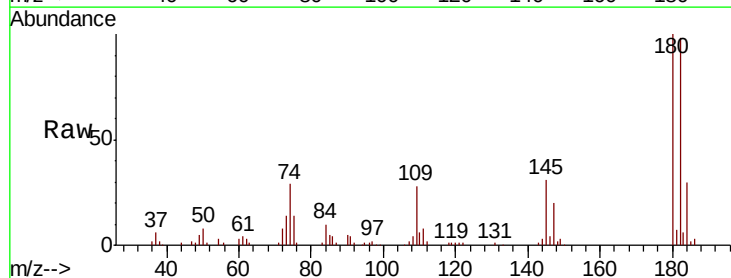


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

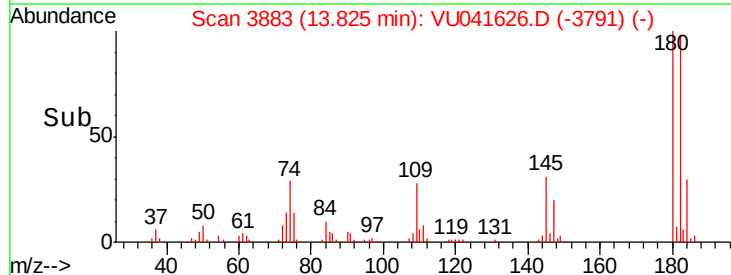
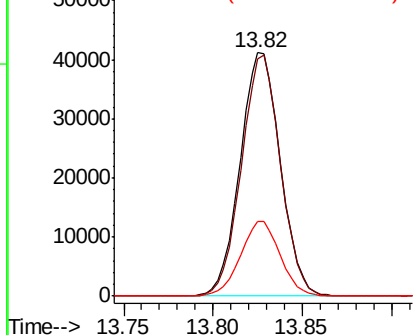


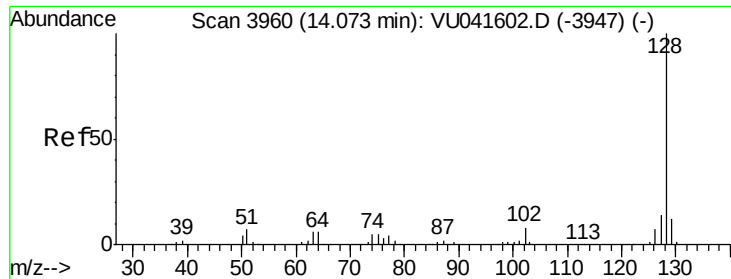
#68
 1,2,4-trichlorobenzene
 Concen: 5.124 ug/L
 RT: 13.82 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: VU041626.D
 Acq: 15 Dec 2020 09:29

Tgt Ion:180 Resp: 64550
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.0
 145 30.1 24.5 36.7



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





#69

Naphthalene

Concen: 4.851 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

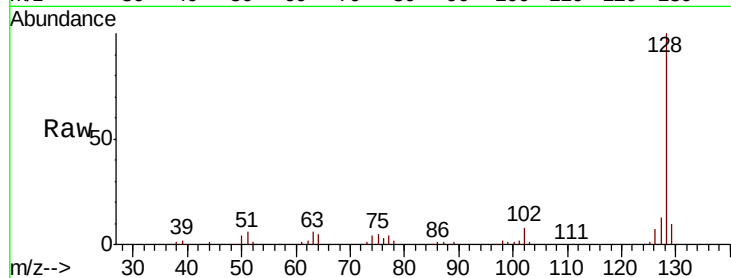
Tot Ion:128 Resp: 126520

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

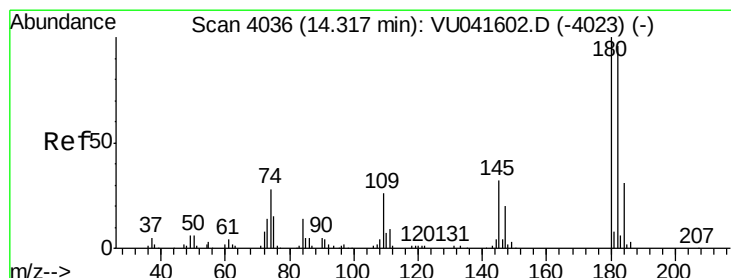
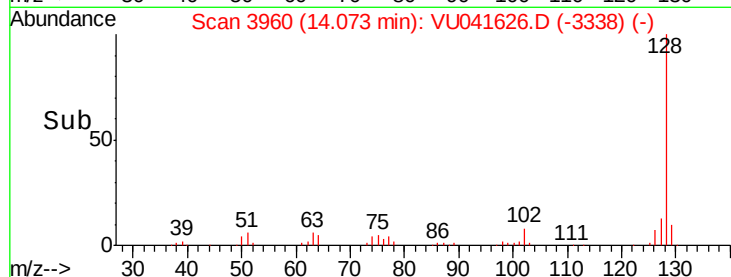
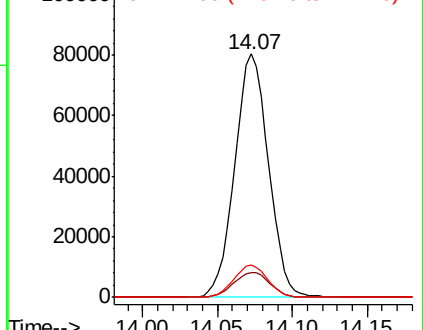
127 13.4 10.2 15.4



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: 5.146 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041626.D

Acq: 15 Dec 2020 09:29

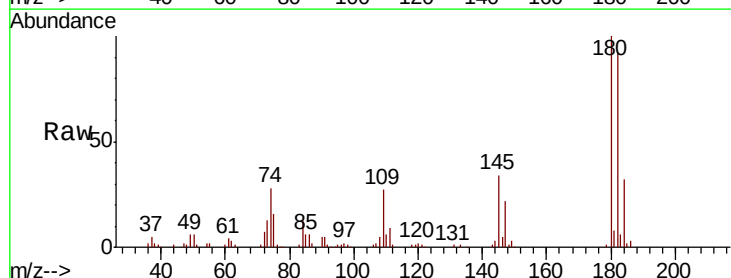
Tgt Ion:180 Resp: 61790

Ion Ratio Lower Upper

180 100

182 93.5 77.0 115.4

145 33.3 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

