

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041032.D
 Acq On : 30 Oct 2020 09:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Oct 30 23:56:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58691	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17608	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.93	69	15174	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.58	63	38362	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.66	46	97092	59.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.60%
24) Chloroform-d	5.08	84	39473	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.72	65	25621	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	66560	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.70	67	23673	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.90	98	59065	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.18	79	10689	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	68806	56.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24549	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	22501	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25424	4.745 ug/L	98
3) Chloromethane	1.53	50	25747	4.608 ug/L	99
5) Vinyl chloride	1.61	62	25931	4.705 ug/L	97
6) Bromomethane	1.87	94	14011	4.435 ug/L	99
8) Chloroethane	1.94	64	15093	4.322 ug/L	96
9) Trichlorofluoromethane	2.15	101	35237	4.703 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20977	4.777 ug/L	98
12) 1,1-Dichloroethene	2.59	96	19388	4.677 ug/L	90
13) Acetone	2.67	43	61674	55.557 ug/L	92
14) Carbon disulfide	2.81	76	60375	4.358 ug/L	98
15) Methyl Acetate	2.97	43	15147	5.963 ug/L #	89
16) Methylene chloride	3.06	84	22180	4.591 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	53332	4.998 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	19174	4.551 ug/L	99
19) 1,1-Dichloroethane	3.89	63	40529	4.812 ug/L	97
21) 2-Butanone	4.74	43	93396	53.830 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	20647	4.751 ug/L	99

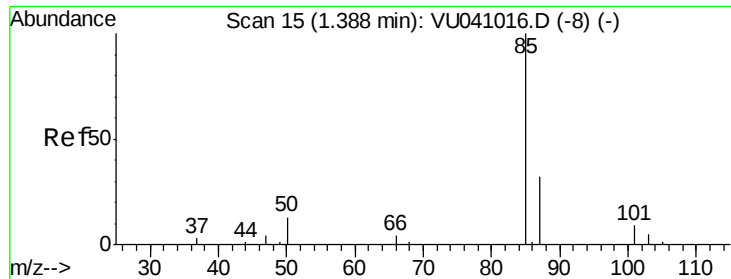
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103020\
 Data File : VU041032.D
 Acq On : 30 Oct 2020 09:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Oct 30 23:56:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10342	5.044	ug/L	99
25) Chloroform	5.11	83	41852	4.955	ug/L	100
27) 1,2-Dichloroethane	5.81	62	31828	5.059	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	34431	4.706	ug/L	98
30) Cyclohexane	5.40	56	33217	4.608	ug/L	98
31) Carbon tetrachloride	5.54	117	30024	4.635	ug/L	97
33) Benzene	5.79	78	84126	4.707	ug/L	100
34) Trichloroethene	6.55	95	21814	4.796	ug/L	96
35) Methylcyclohexane	6.77	83	31347	4.620	ug/L	99
37) 1,2-Dichloropropane	6.80	63	24244	5.013	ug/L #	96
38) Bromodichloromethane	7.11	83	29910	4.768	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	32120	4.824	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	212494	55.106	ug/L	98
42) Toluene	7.97	91	88002	4.856	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	31266	5.017	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	18339	5.094	ug/L	93
47) Tetrachloroethene	8.56	164	15465	4.624	ug/L	94
48) 2-Hexanone	8.69	43	165562	57.022	ug/L	97
49) Dibromochloromethane	8.81	129	20727	4.958	ug/L	97
50) 1,2-Dibromoethane	8.93	107	17037	4.966	ug/L	97
51) Chlorobenzene	9.45	112	56270	4.896	ug/L	97
52) Ethylbenzene	9.57	91	90868	4.763	ug/L	99
53) m,p-Xylene	9.69	106	33220	4.775	ug/L	98
54) o-Xylene	10.10	106	31908	4.924	ug/L	89
55) Styrene	10.11	104	57313	4.964	ug/L	100
56) Isopropylbenzene	10.48	105	86721	4.977	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	24337	5.147	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	19001	5.272	ug/L	98
61) Bromoform	10.29	173	11492	5.035	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	42627	4.986	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	42790	4.833	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	40890	4.847	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4261	5.153	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	29413	4.919	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	23897	4.825	ug/L	97
69) Naphthalene	14.08	128	42690	4.820	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	23523	5.153	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.745 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

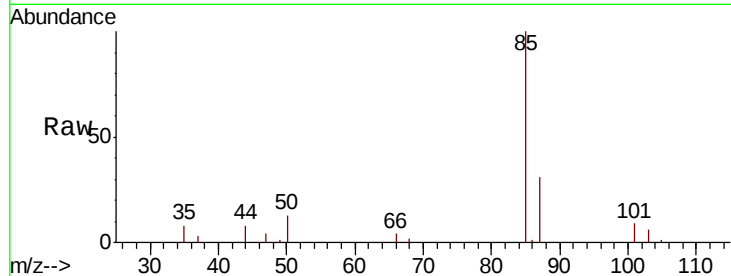
VSTD00509

Tot Ion: 85 Resp: 25424

Ion Ratio Lower Upper

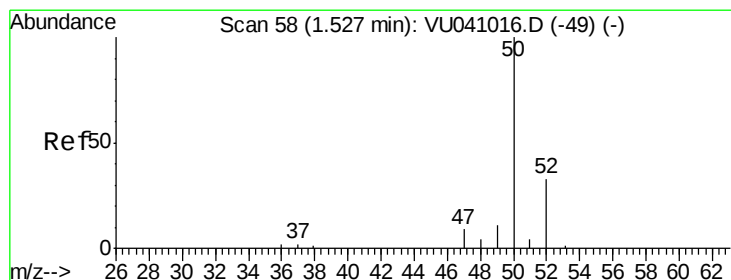
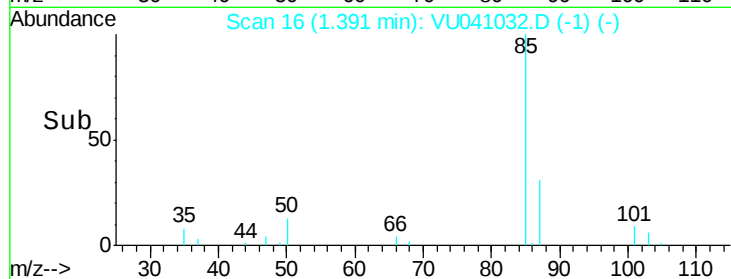
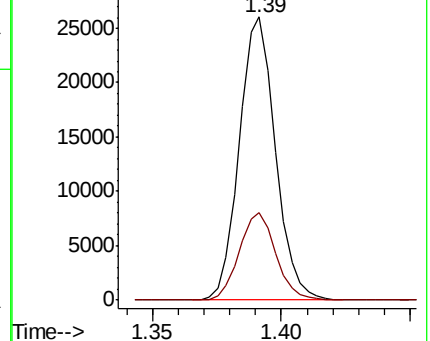
85 100

87 31.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.608 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041032.D

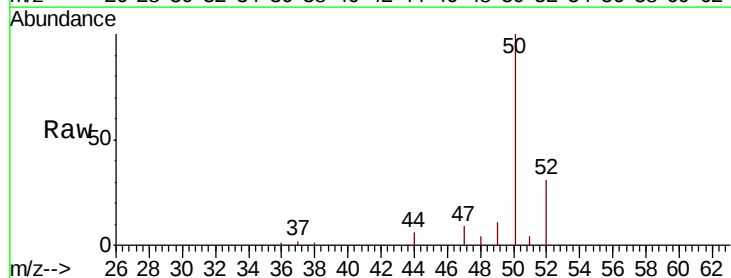
Acq: 30 Oct 2020 09:32

Tgt Ion: 50 Resp: 25747

Ion Ratio Lower Upper

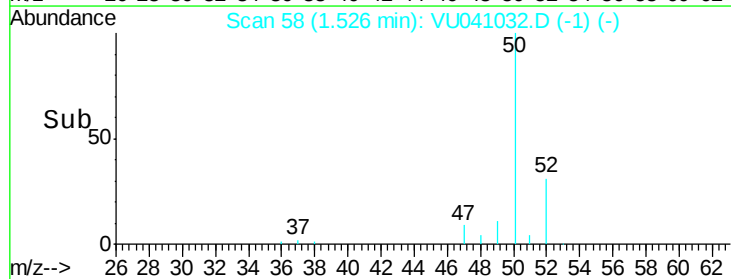
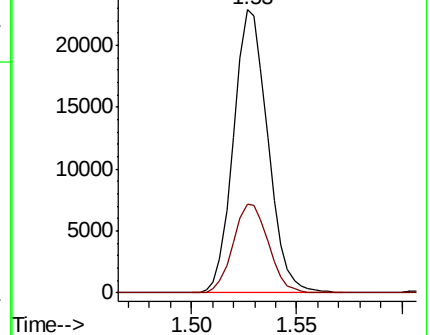
50 100

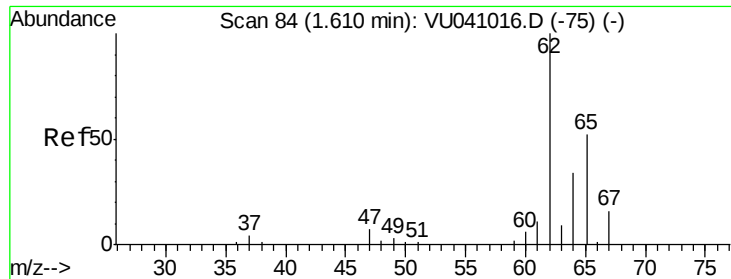
52 31.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.705 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

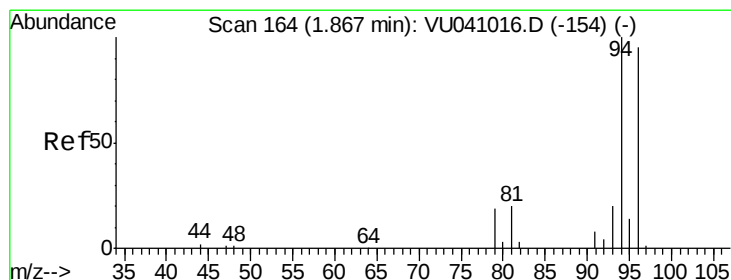
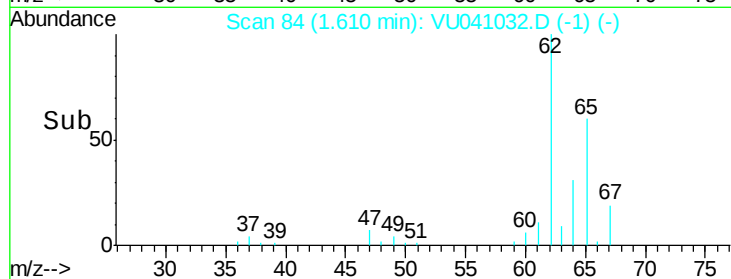
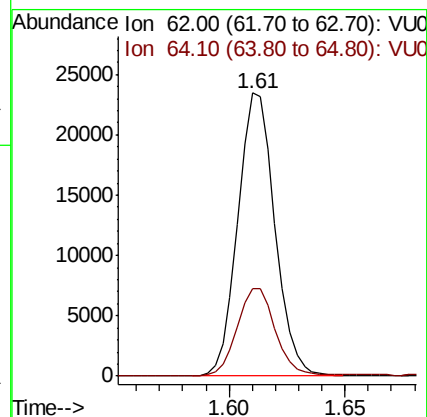
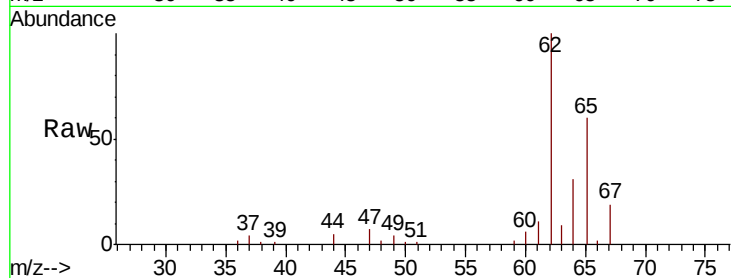
VSTD00509

Tot Ion: 62 Resp: 25931

Ion Ratio Lower Upper

62 100

64 31.1 22.7 42.3



#6

Bromomethane

Concen: 4.435 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041032.D

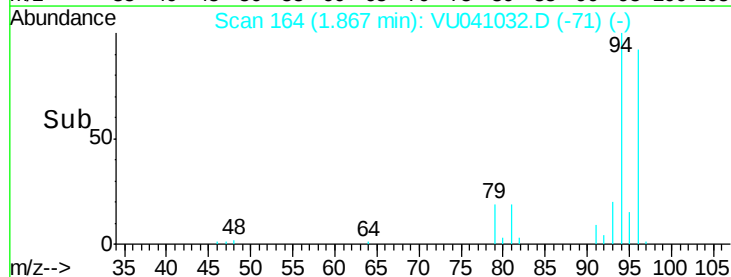
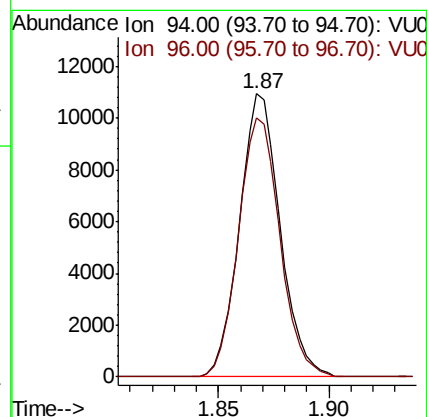
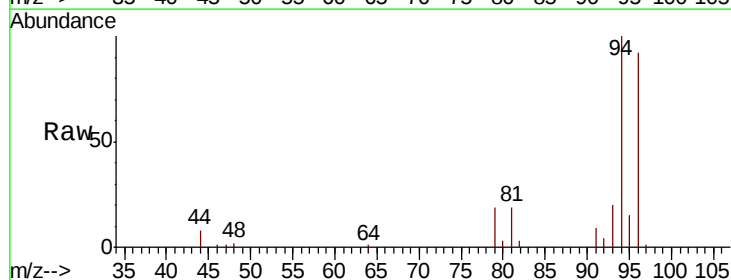
Acq: 30 Oct 2020 09:32

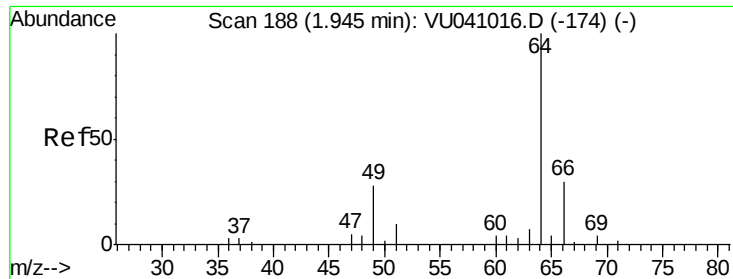
Tgt Ion: 94 Resp: 14011

Ion Ratio Lower Upper

94 100

96 91.7 63.5 117.9

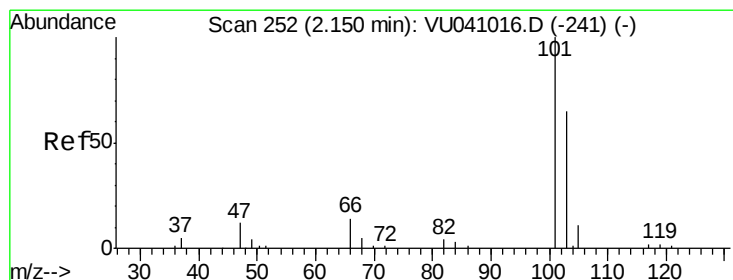
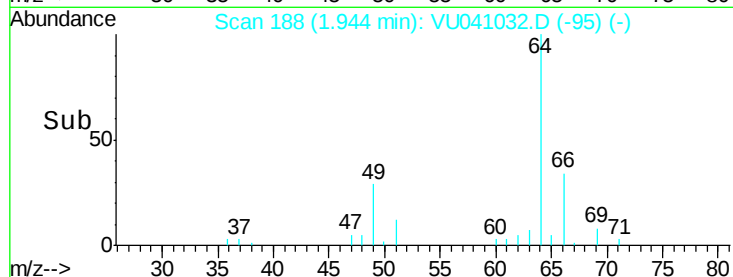
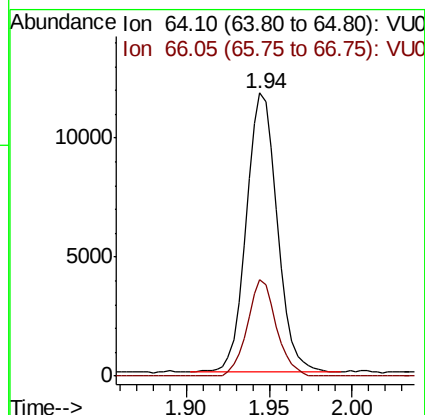
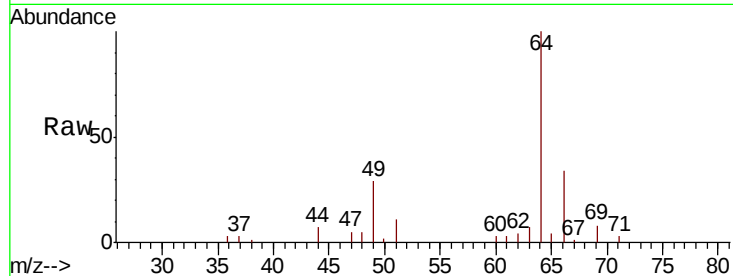




#8
Chloroethane
Concen: 4.322 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

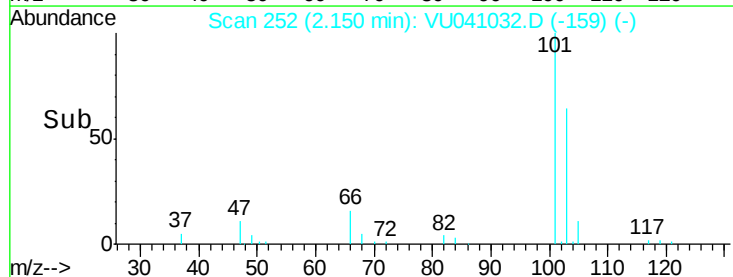
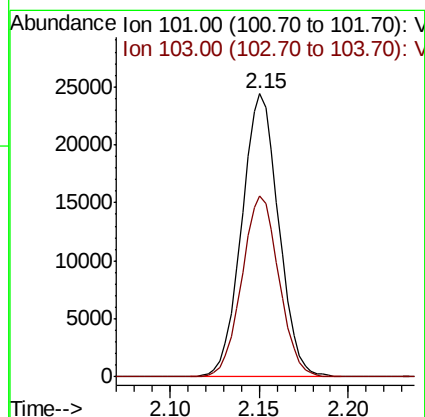
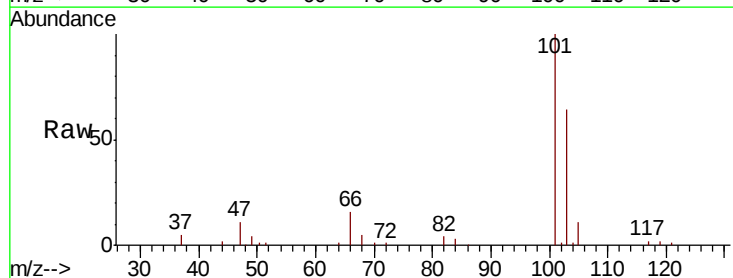
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

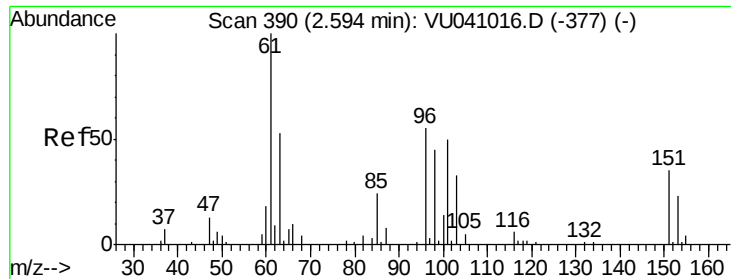
Tot Ion: 64 Resp: 15093
Ion Ratio Lower Upper
64 100
66 34.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.703 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion: 101 Resp: 35237
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

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

Concen: 4.777 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

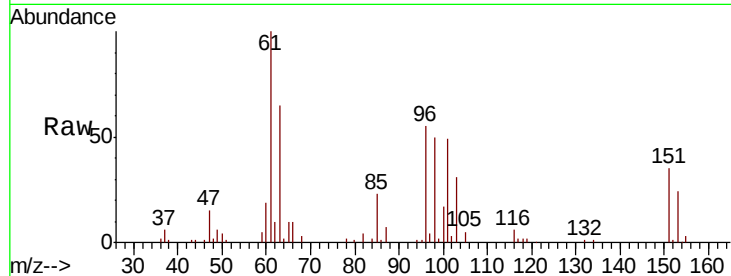
Tot Ion:101 Resp: 20977

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.4

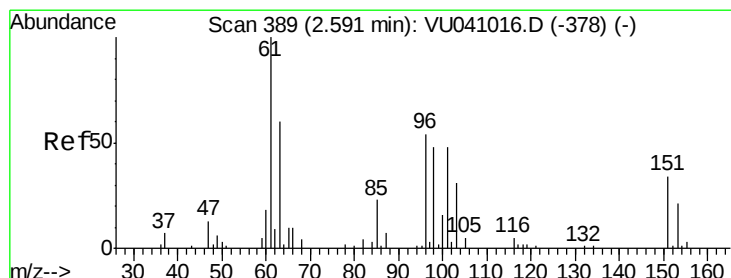
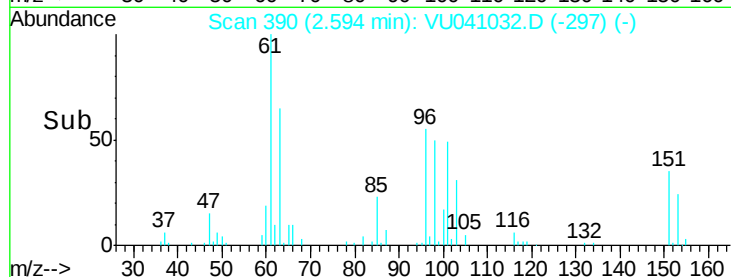
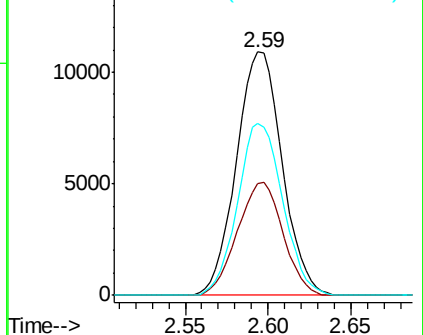
151 69.5 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.677 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

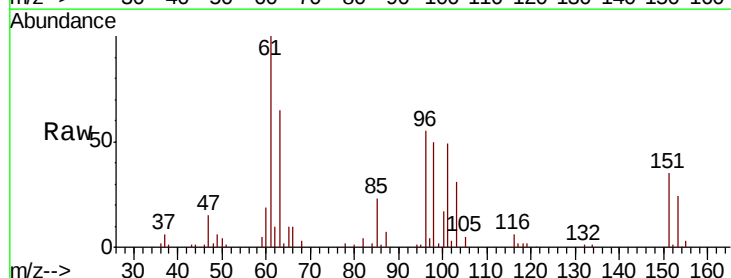
Tgt Ion: 96 Resp: 19388

Ion Ratio Lower Upper

96 100

61 181.5 134.3 249.5

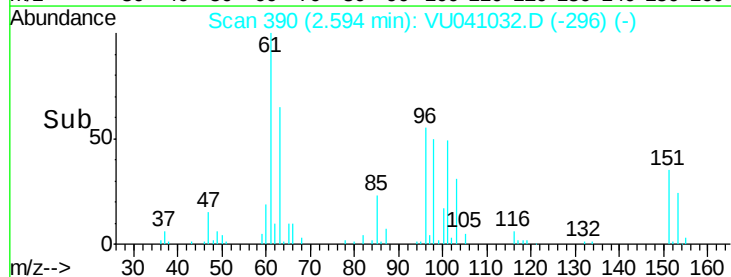
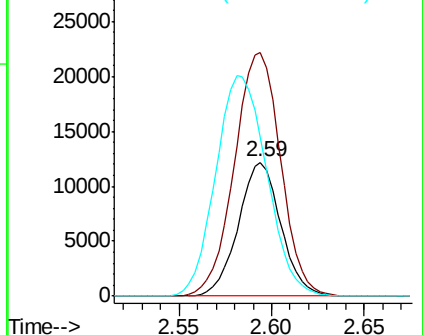
63 118.2 95.0 176.4

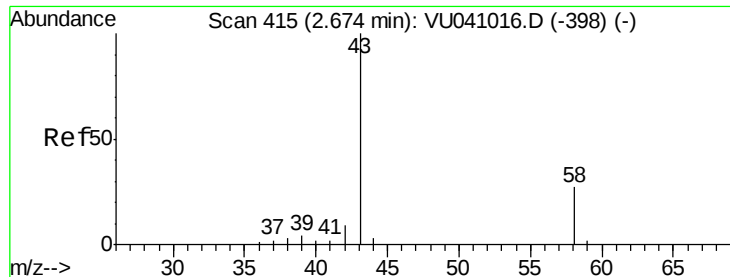


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.557 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampled :

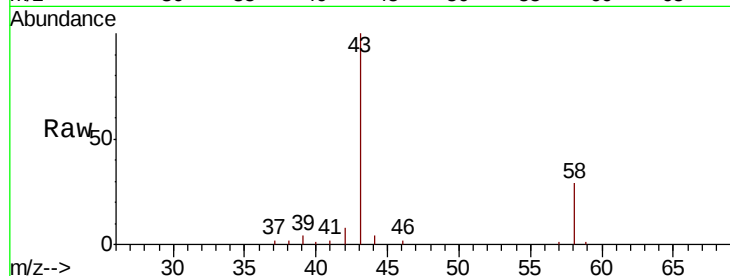
VSTD00509

Tot Ion: 43 Resp: 61674

Ion Ratio Lower Upper

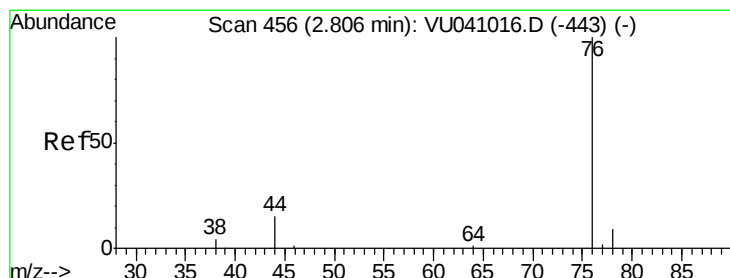
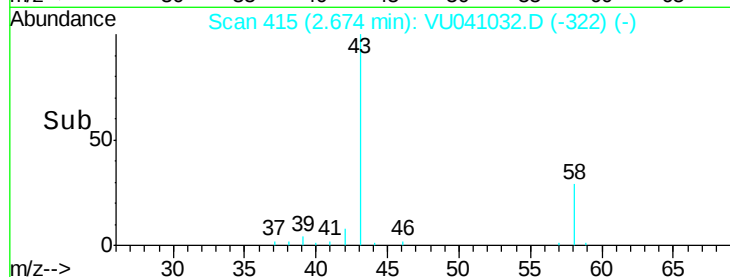
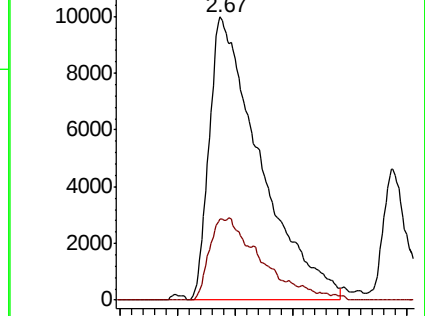
43 100

58 9.4 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041032.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU041032.D (-322) (-)



#14

Carbon disulfide

Concen: 4.358 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041032.D

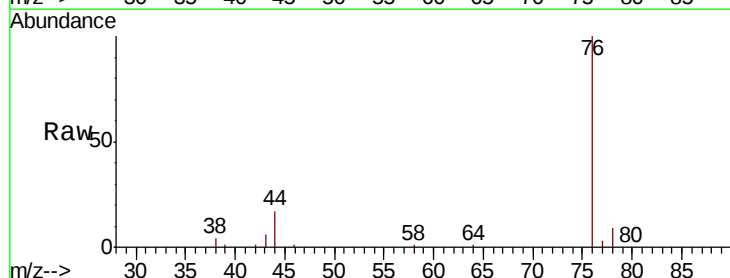
Acq: 30 Oct 2020 09:32

Tgt Ion: 76 Resp: 60375

Ion Ratio Lower Upper

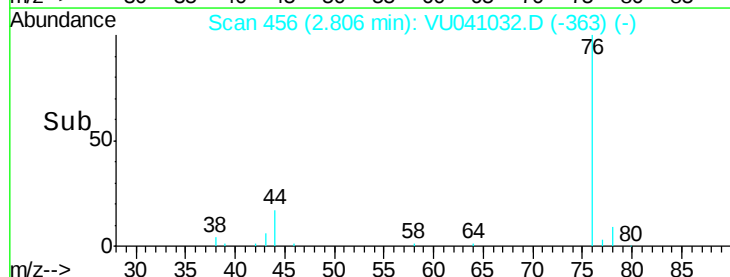
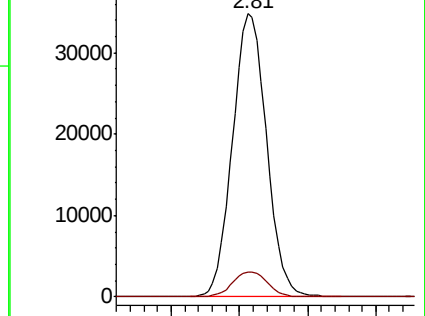
76 100

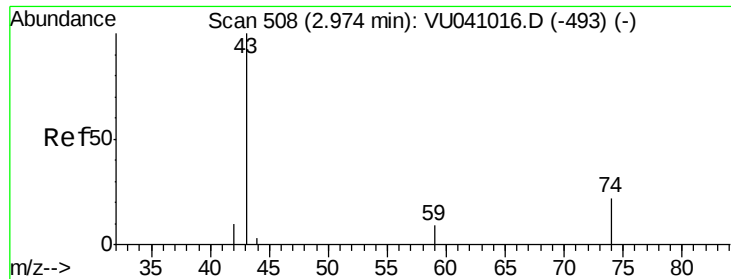
78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041032.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041032.D (-363) (-)

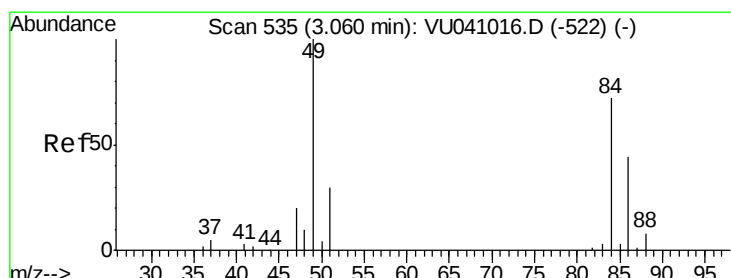
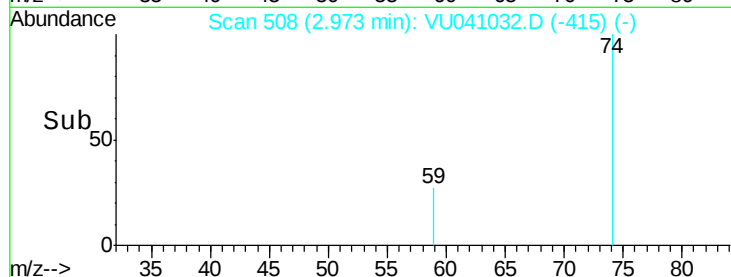
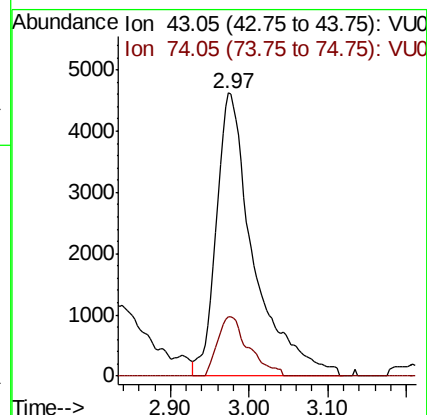
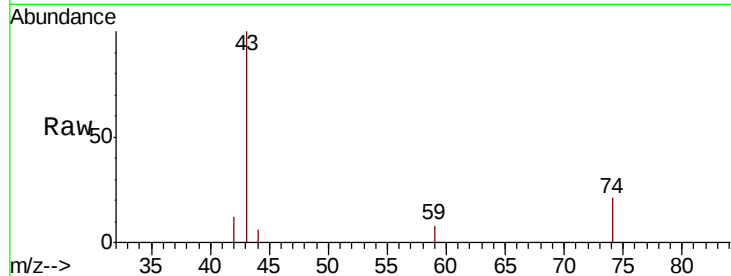




#15
Methyl Acetate
Concen: 5.963 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

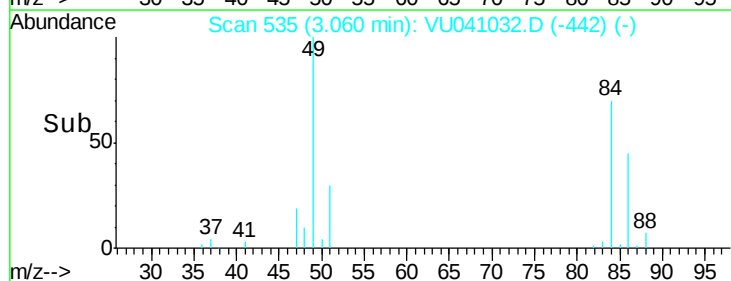
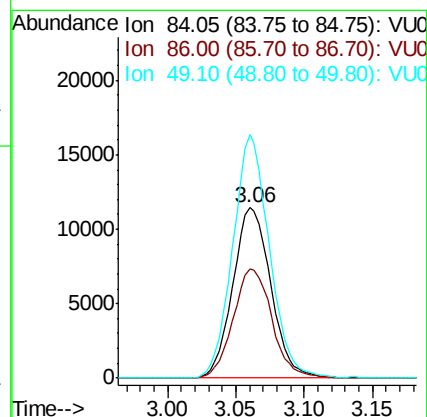
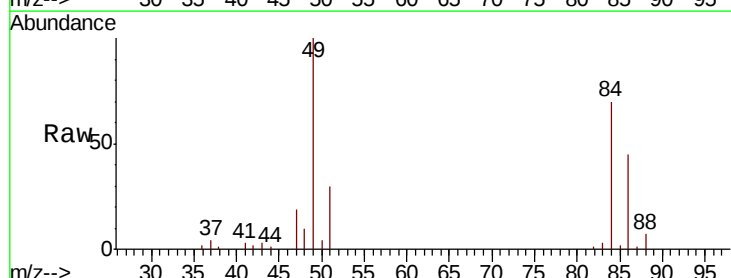
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

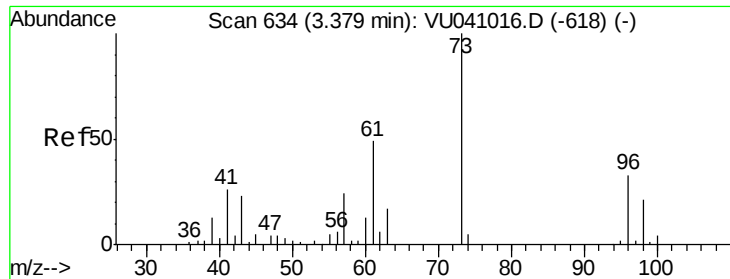
Tot Ion: 43 Resp: 15147
Ion Ratio Lower Upper
43 100
74 17.5 18.3 27.5#



#16
Methylene chloride
Concen: 4.591 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion: 84 Resp: 22180
Ion Ratio Lower Upper
84 100
86 64.4 42.8 79.6
49 142.9 99.5 184.7

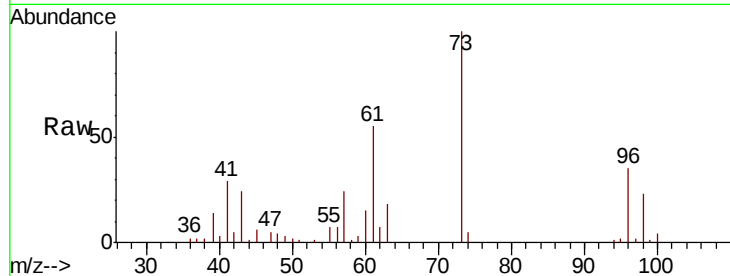




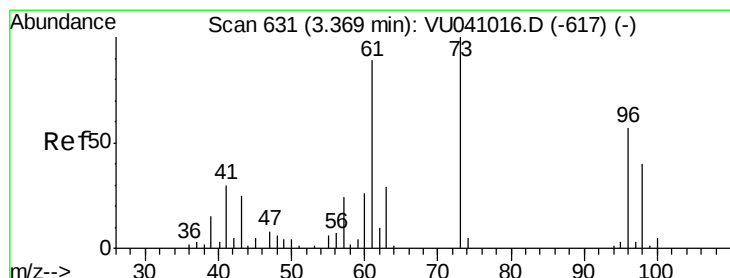
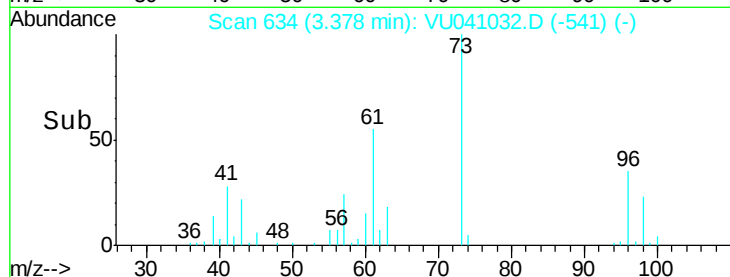
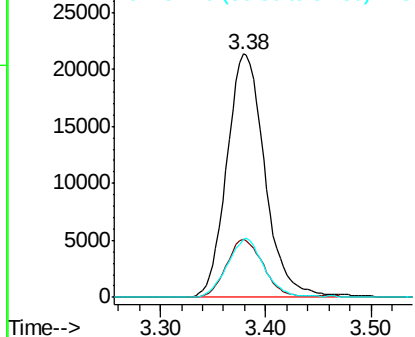
#17
Methvl tert-butvl Ether
Concen: 4.998 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Instrument :
MSVOA_U
ClientSampled :
VSTD00509

Tot Ion: 73 Resp: 53332
Ion Ratio Lower Upper
73 100
43 23.0 18.5 27.7
57 23.4 18.4 27.6

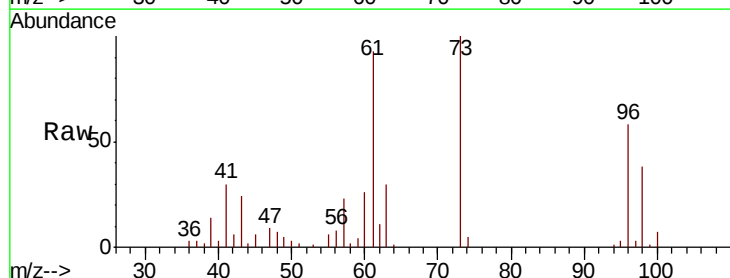


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

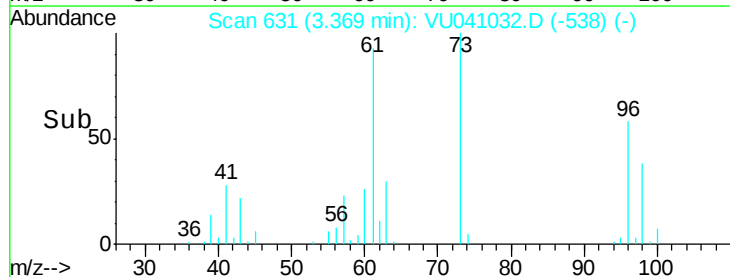
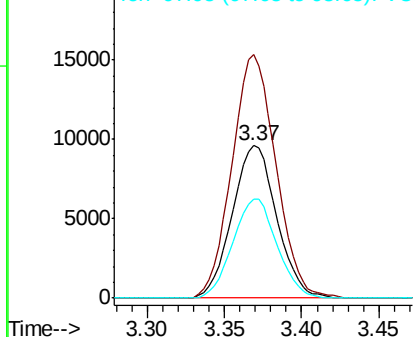


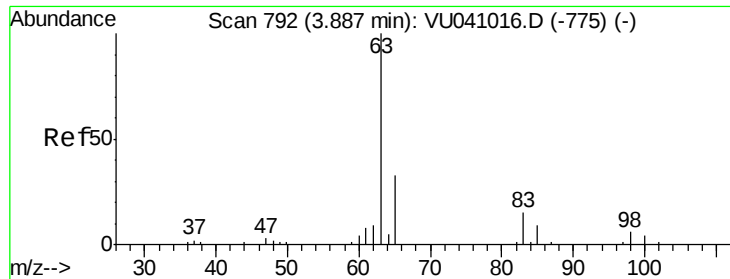
#18
trans-1,2-Dichloroethene
Concen: 4.551 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion: 96 Resp: 19174
Ion Ratio Lower Upper
96 100
61 159.8 110.9 205.9
98 64.7 45.4 84.2



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

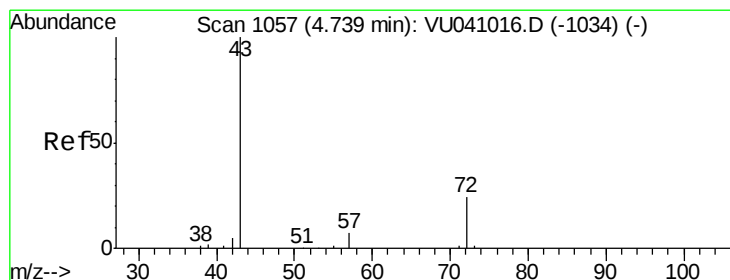
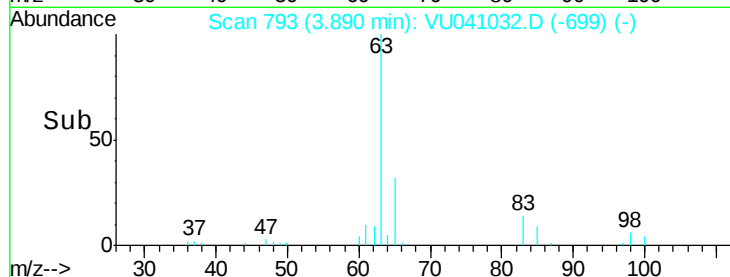
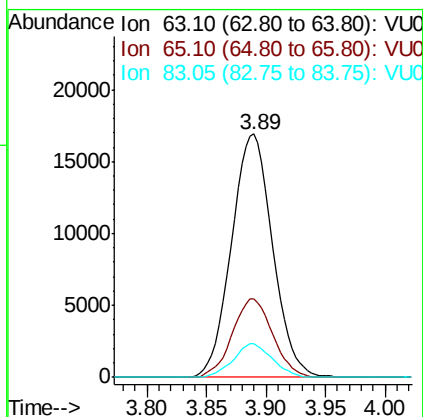
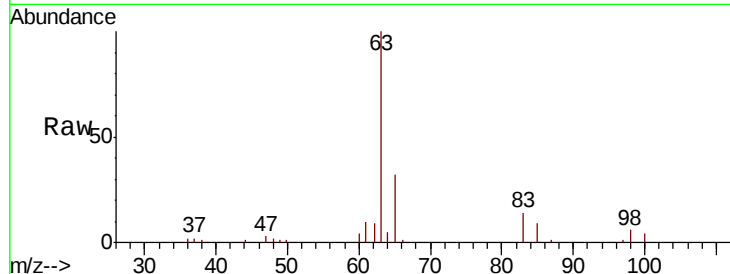




#19
 1,1-Dichloroethane
 Concen: 4.812 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

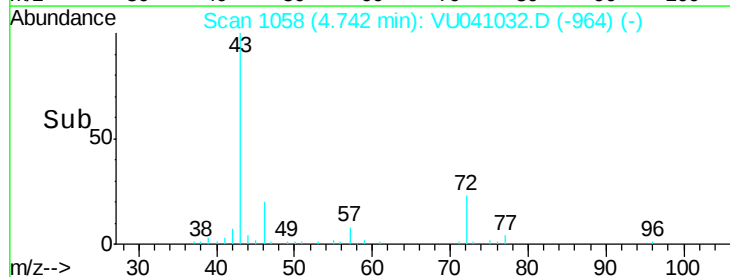
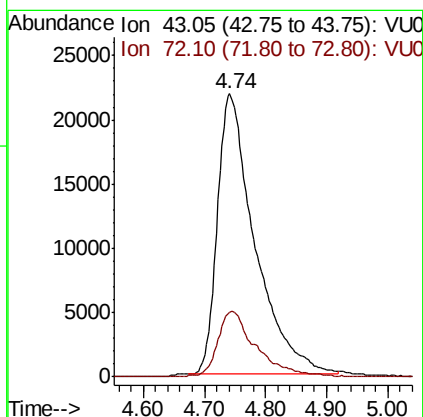
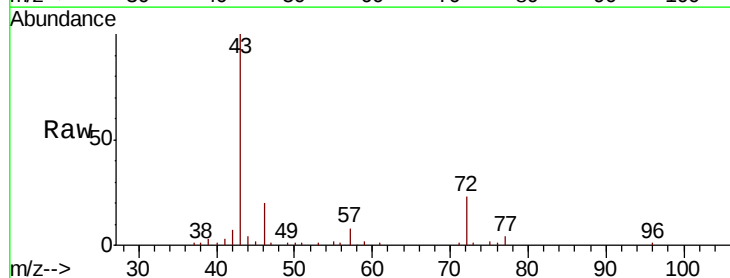
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

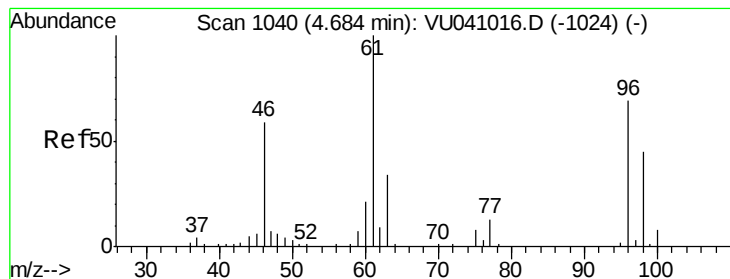
Tot Ion: 63 Resp: 40529
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.6
 83 13.7 8.8 16.3



#21
 2-Butanone
 Concen: 53.830 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion: 43 Resp: 93396
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.751 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

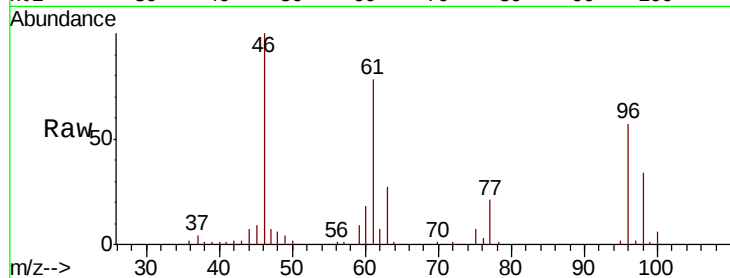
Tot Ion: 96 Resp: 20647

Ion Ratio Lower Upper

96 100

61 137.8 97.2 180.4

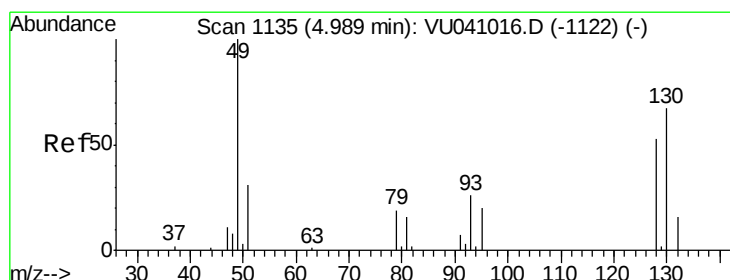
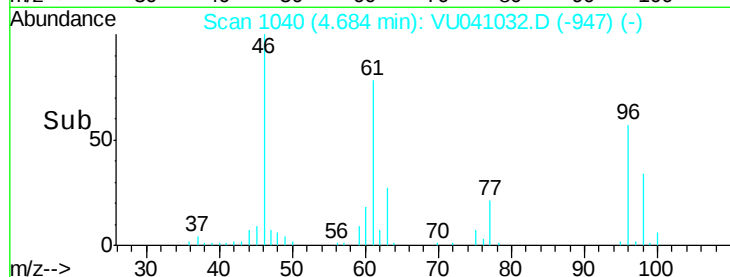
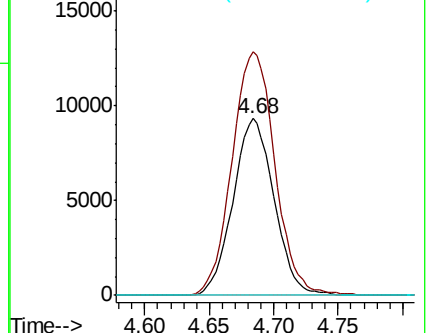
68 0.0 0.0 0.0



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: 5.044 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Tgt Ion: 128 Resp: 10342

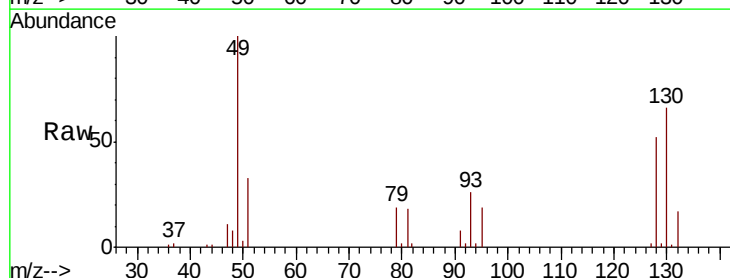
Ion Ratio Lower Upper

128 100

49 192.3 135.0 250.8

130 127.1 89.9 167.0

51 64.3 51.9 77.9

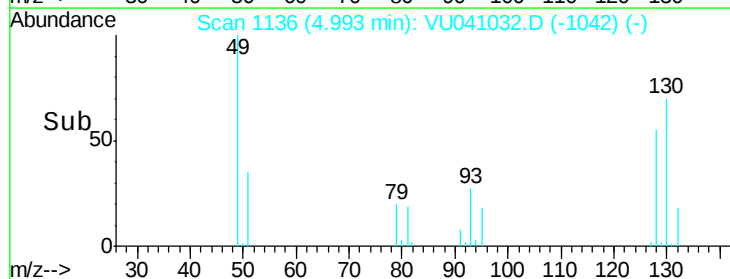
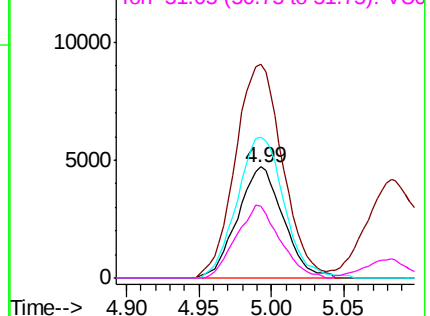


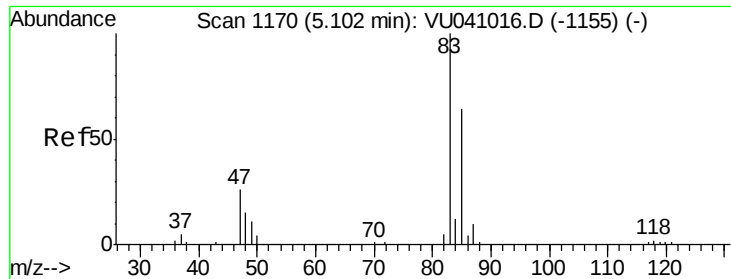
Abundance Ion 127.90 (127.60 to 128.60): V

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

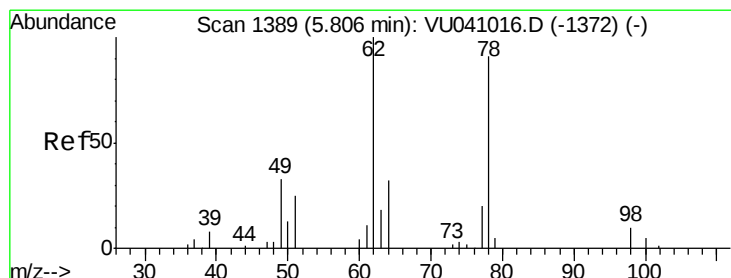
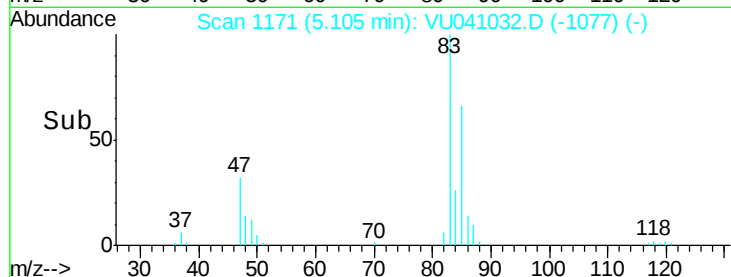
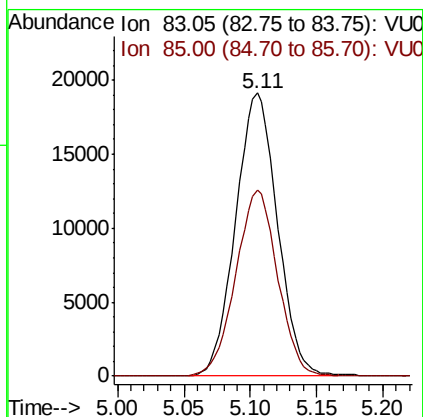
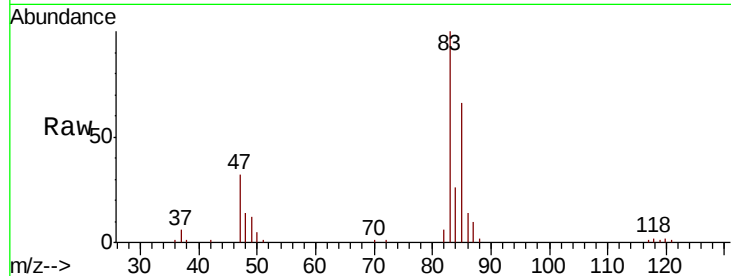




#25
Chloroform
Concen: 4.955 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

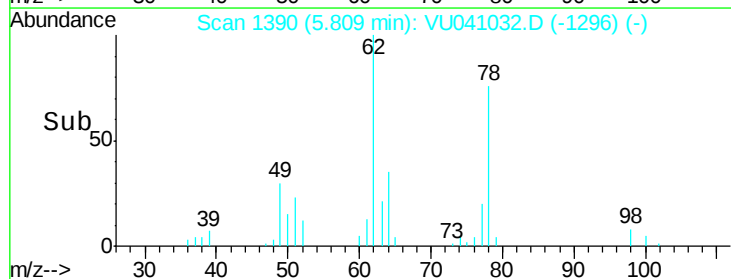
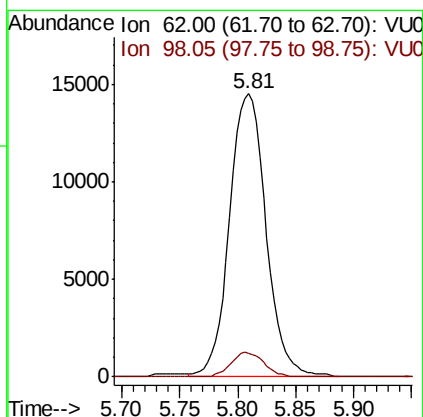
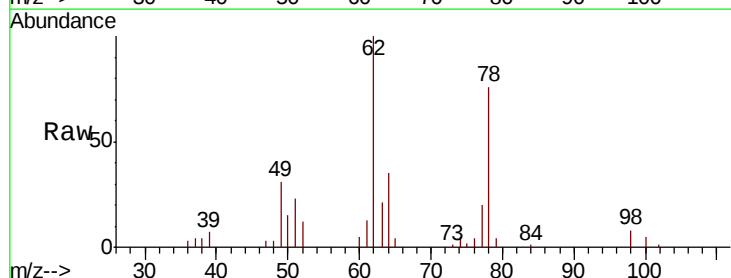
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

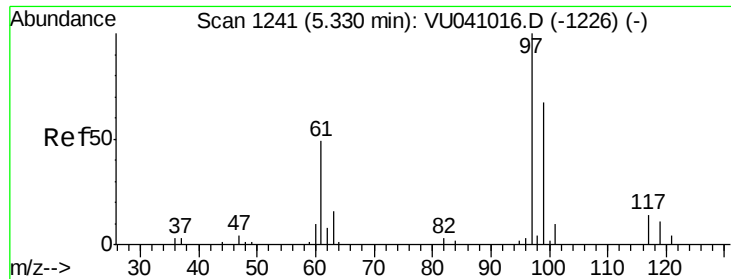
Tot Ion: 83 Resp: 41852
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.059 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion: 62 Resp: 31828
Ion Ratio Lower Upper
62 100
98 8.5 7.6 11.4

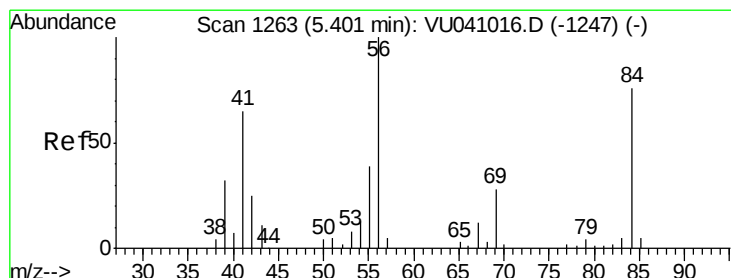
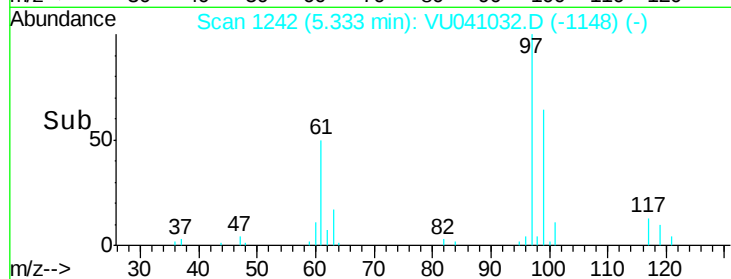
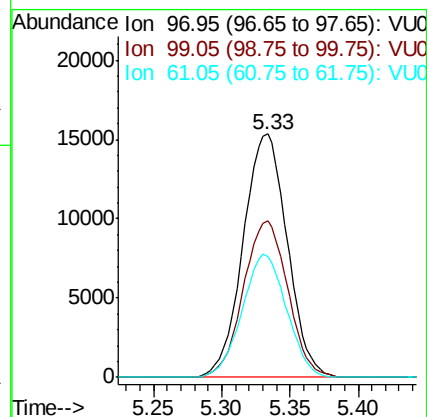
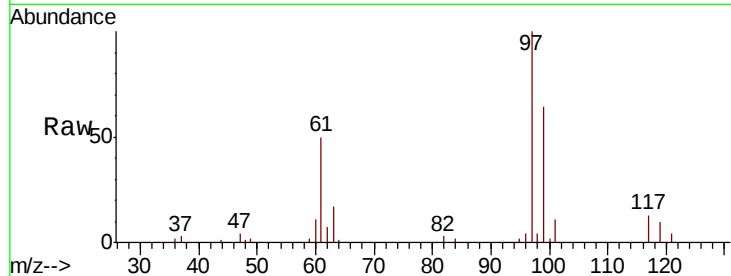




#29
 1,1,1-Trichloroethane
 Concen: 4.706 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

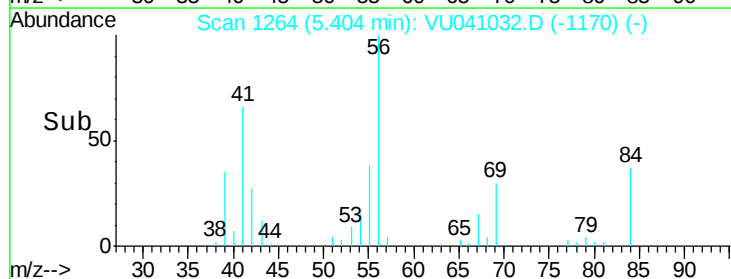
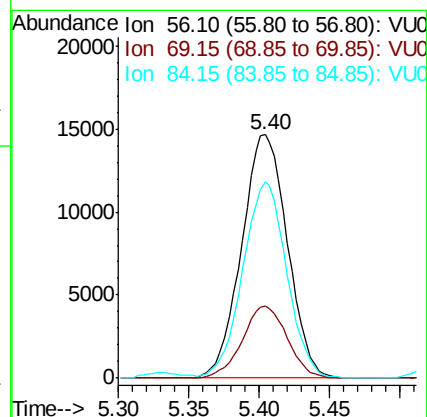
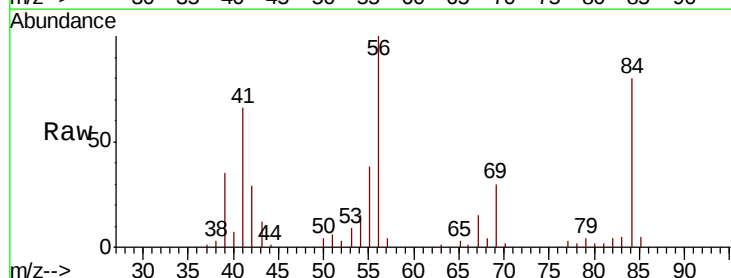
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

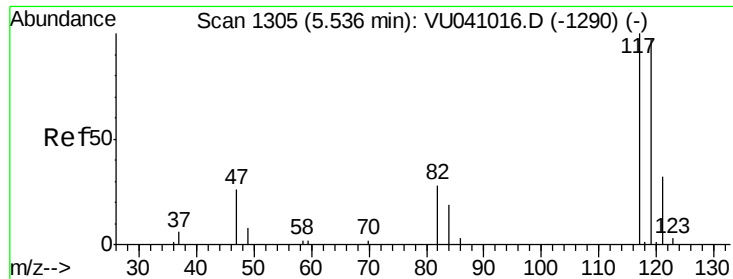
Tot Ion: 97 Resp: 34431
 Ion Ratio Lower Upper
 97 100
 99 64.6 53.4 80.0
 61 50.7 41.6 62.4



#30
 Cyclohexane
 Concen: 4.608 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion: 56 Resp: 33217
 Ion Ratio Lower Upper
 56 100
 69 28.8 22.8 34.2
 84 77.5 63.6 95.4

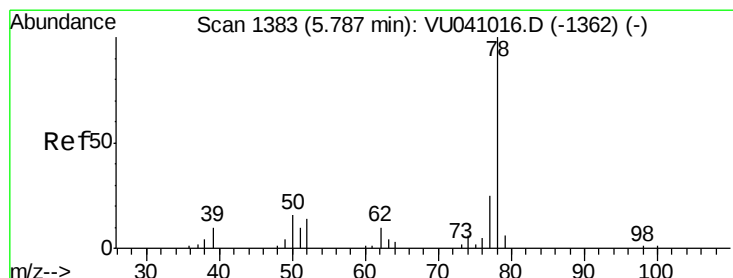
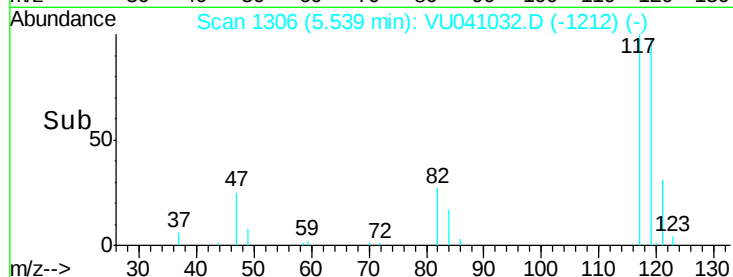
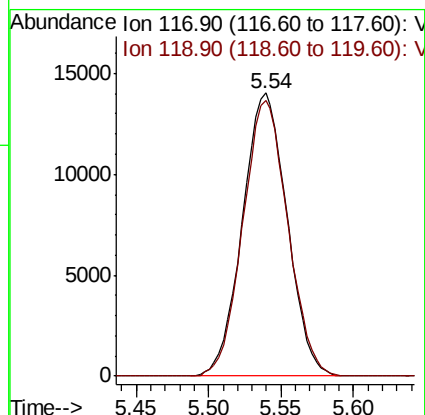
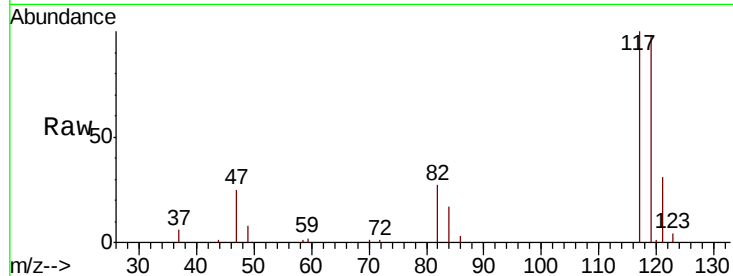




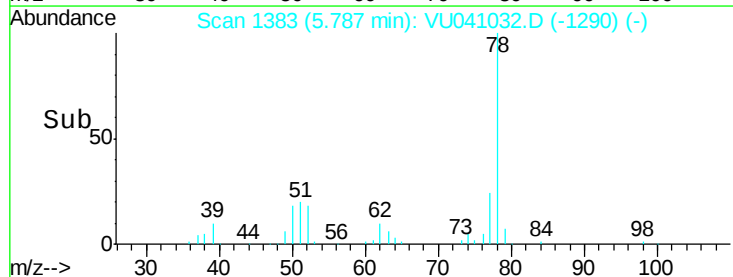
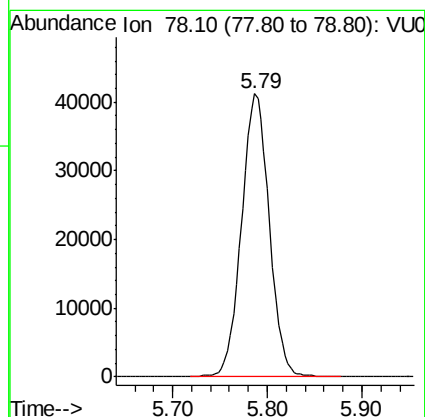
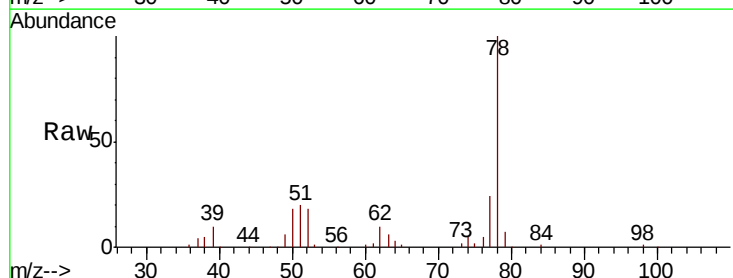
#31
Carbon tetrachloride
Concen: 4.635 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

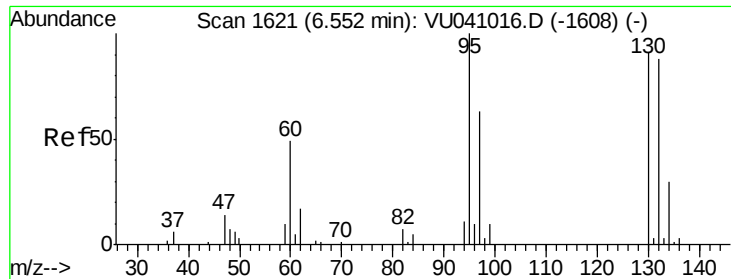
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:117 Resp: 30024
Ion Ratio Lower Upper
117 100
119 97.9 76.1 114.1



#33
Benzene
Concen: 4.707 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32
Tgt Ion: 78 Resp: 84126

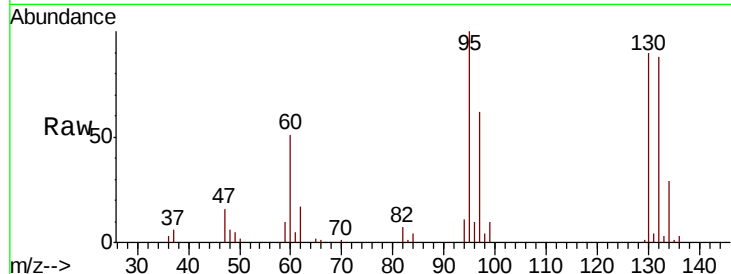




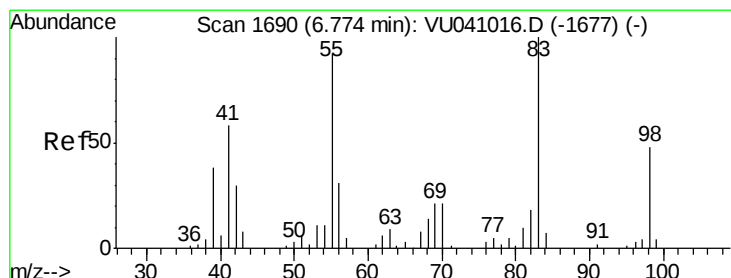
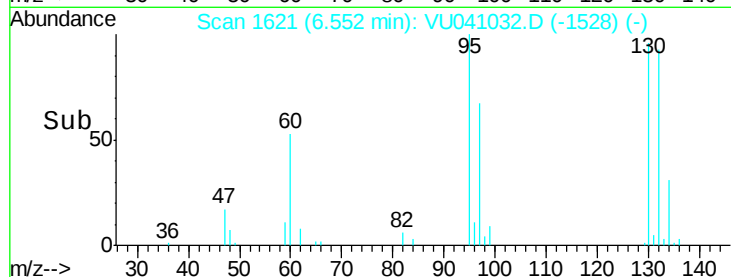
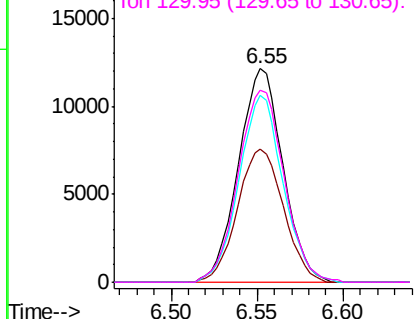
#34
 Trichloroethene
 Concen: 4.796 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 95 Resp: 21814
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.6 84.6
 132 87.5 64.8 120.4
 130 90.0 64.8 120.4

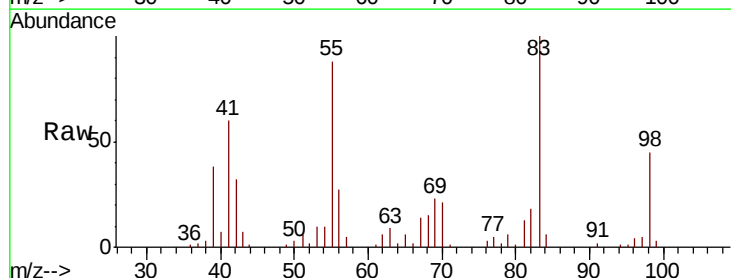


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

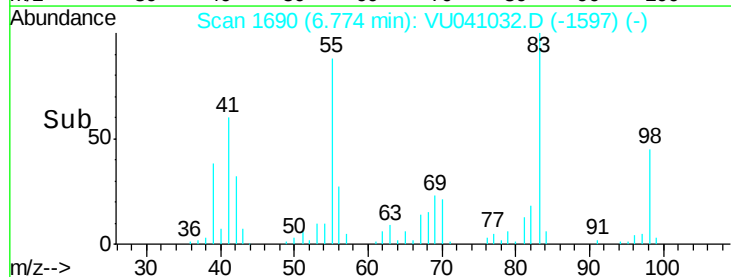
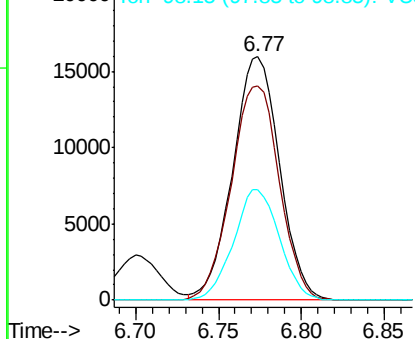


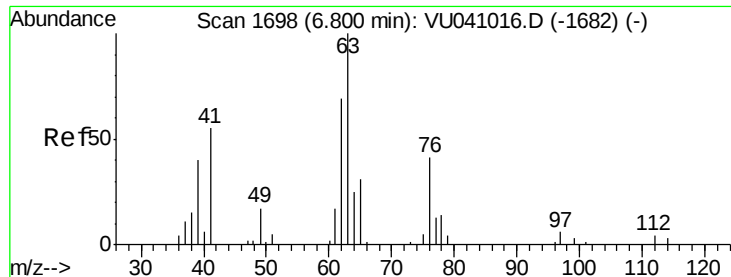
#35
 Methylcyclohexane
 Concen: 4.620 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion: 83 Resp: 31347
 Ion Ratio Lower Upper
 83 100
 55 90.6 72.0 108.0
 98 44.5 36.6 55.0



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

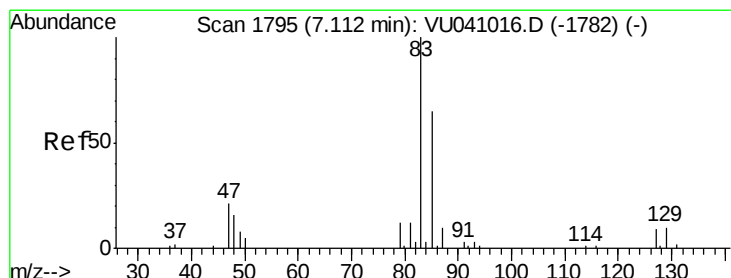
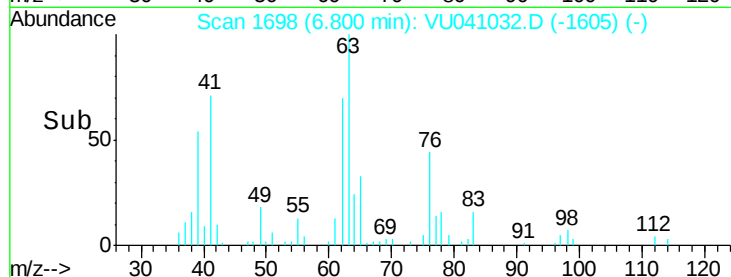
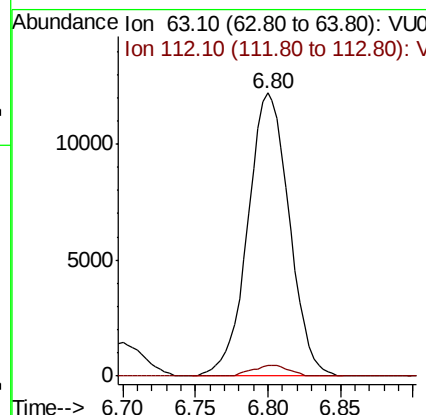
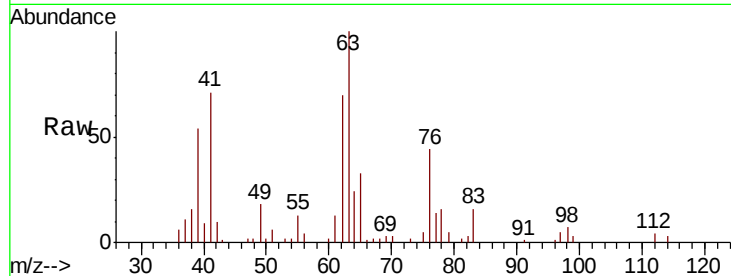




#37
 1,2-Dichloropropane
 Concen: 5.013 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

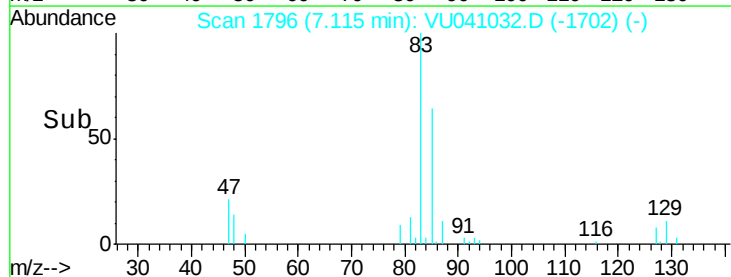
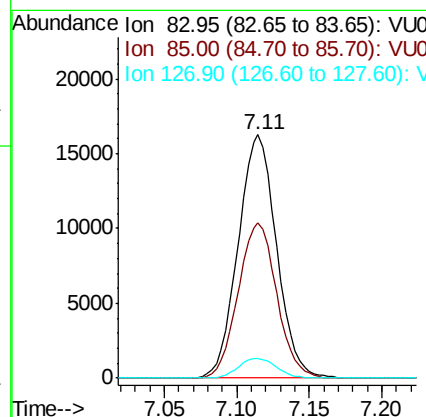
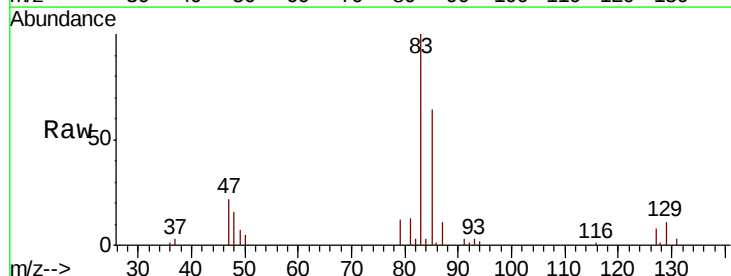
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

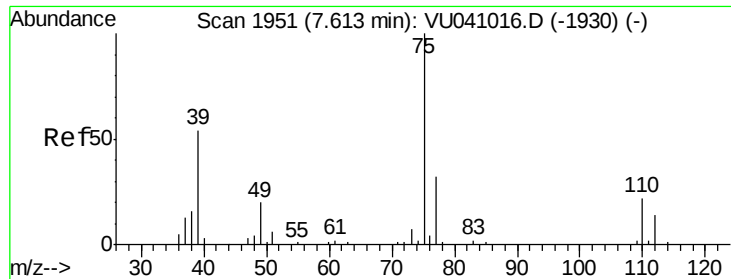
Tot Ion: 63 Resp: 24244
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 4.768 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion: 83 Resp: 29910
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.3 80.3
 127 8.1 5.9 8.9

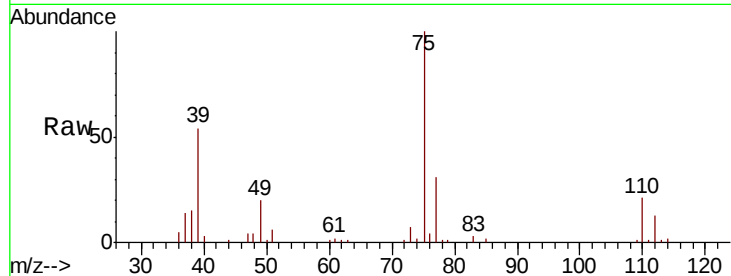




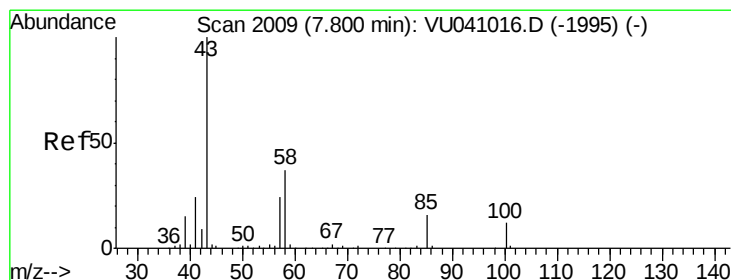
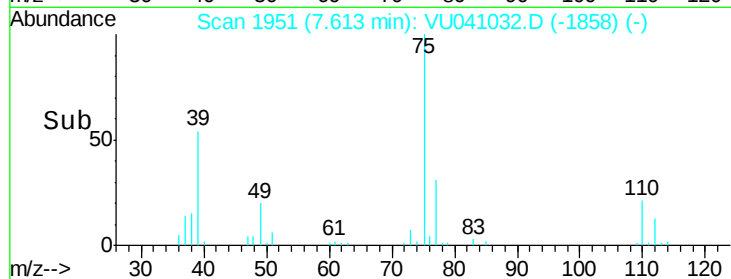
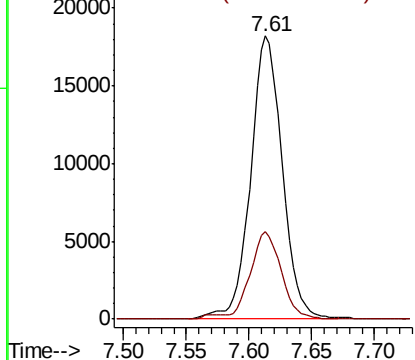
#39
 cis-1,3-Dichloropropene
 Concen: 4.824 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 75 Resp: 32120
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.3

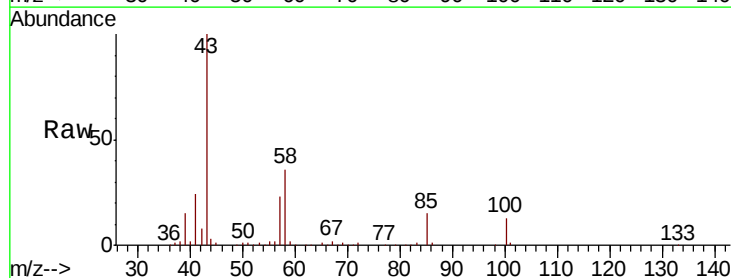


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

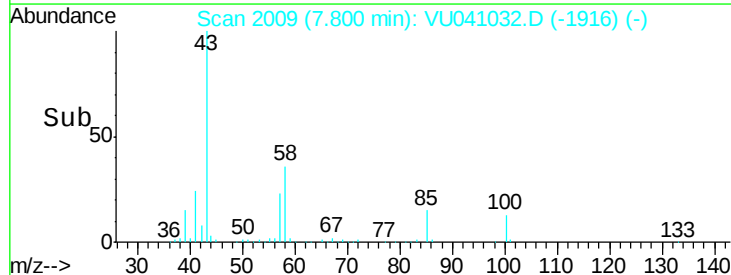
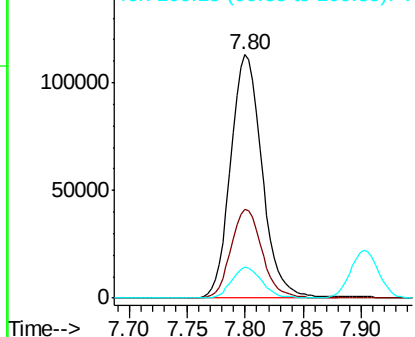


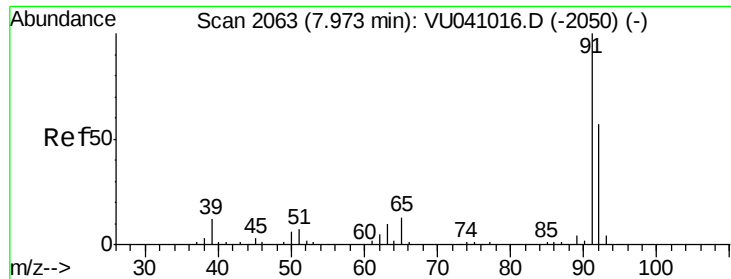
#40
 4-Methyl-2-pentanone
 Concen: 55.106 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion: 43 Resp: 212494
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.8 44.6
 100 12.3 10.5 15.7



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





#42

Toluene

Concen: 4.856 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

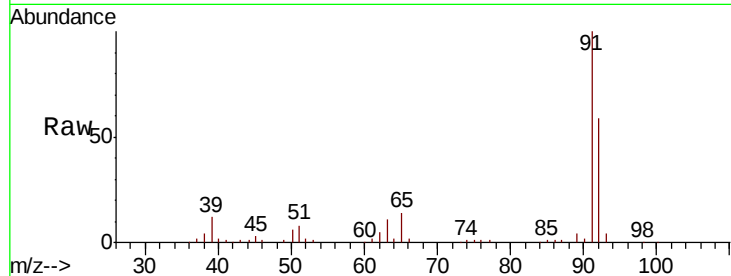
VSTD00509

Tot Ion: 91 Resp: 88002

Ion Ratio Lower Upper

91 100

92 59.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041016.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041016.D (-2050) (-)

7.97

60000

50000

40000

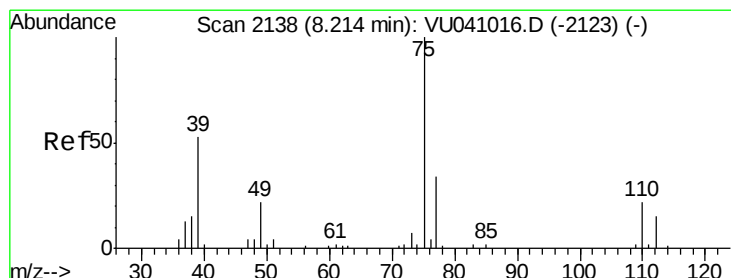
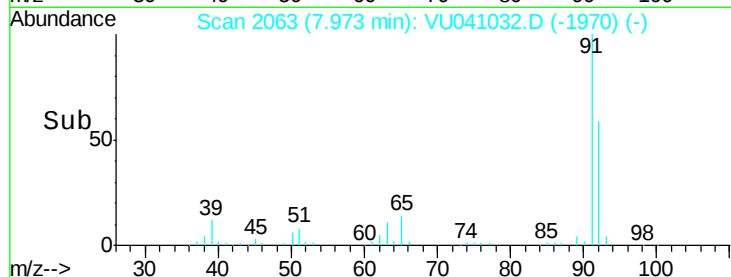
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.017 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041032.D

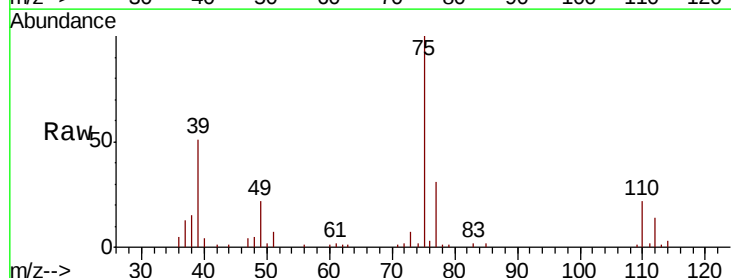
Acq: 30 Oct 2020 09:32

Tgt Ion: 75 Resp: 31266

Ion Ratio Lower Upper

75 100

77 31.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041016.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU041016.D (-2123) (-)

8.21

20000

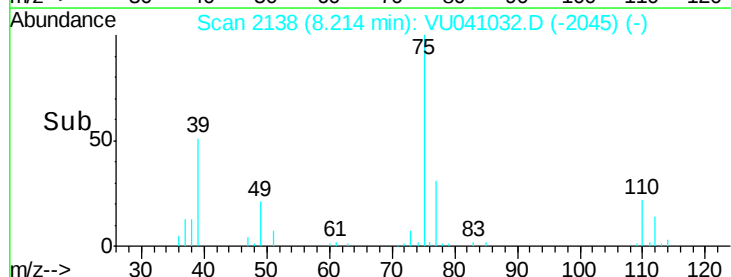
15000

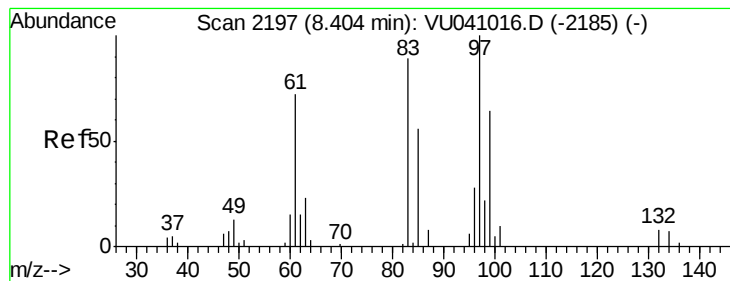
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.094 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 97 Resp: 18339

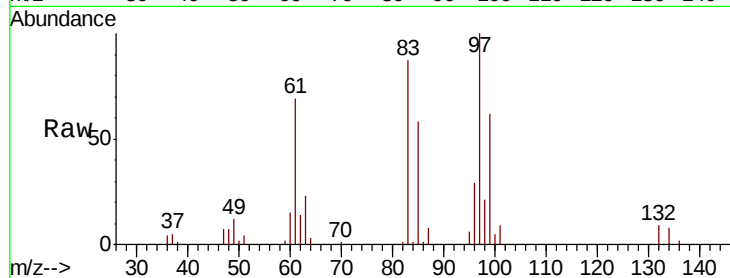
Ion Ratio Lower Upper

97 100

99 62.0 45.8 85.2

83 87.2 67.9 126.1

85 58.4 42.8 79.6

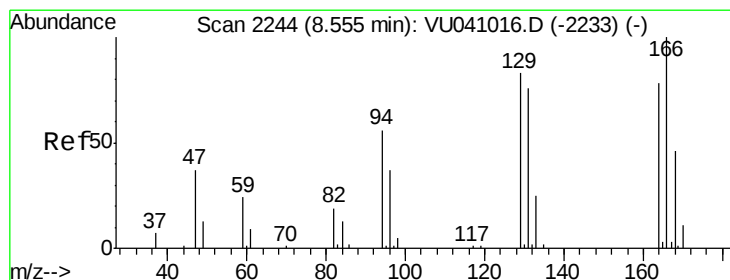
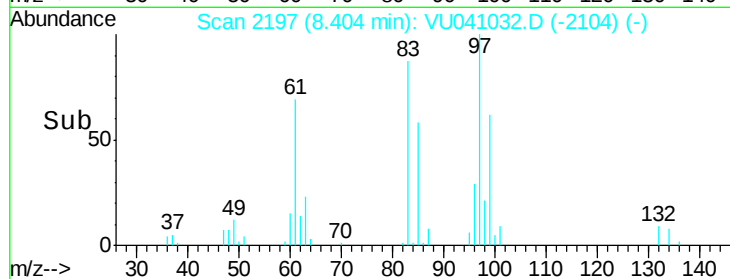
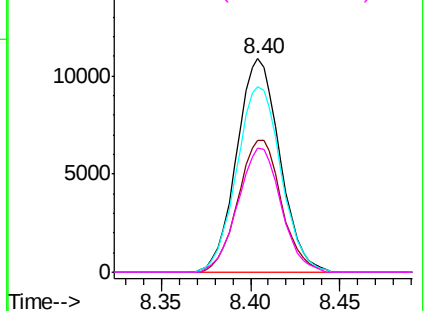


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.624 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Tgt Ion: 164 Resp: 15465

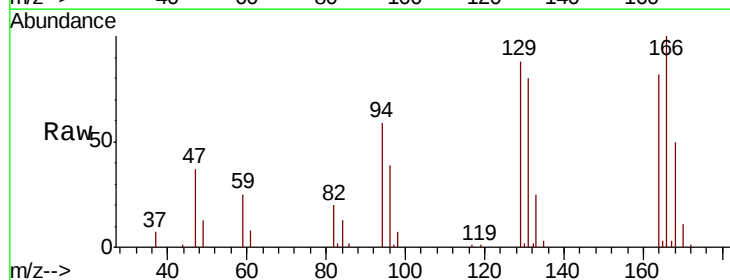
Ion Ratio Lower Upper

164 100

129 106.5 70.3 130.7

131 96.8 70.8 131.4

166 121.4 92.0 170.8

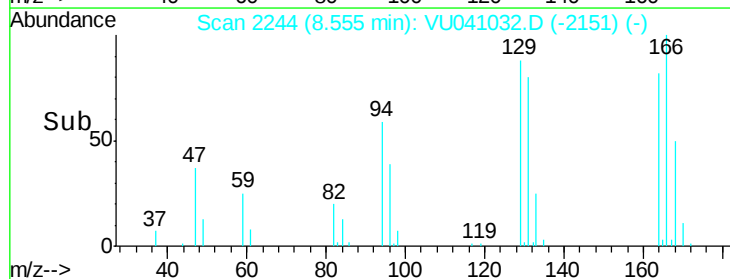
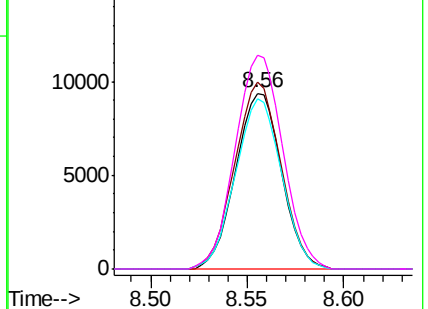


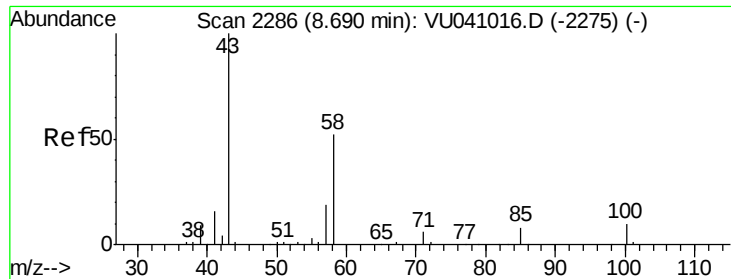
Abundance Ion 163.90 (163.60 to 164.60): V

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

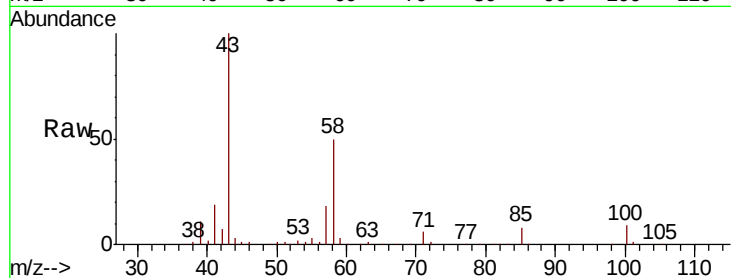




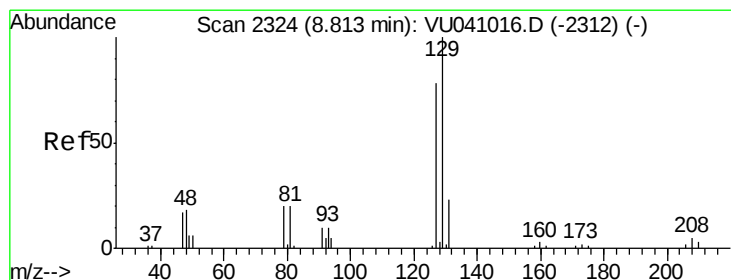
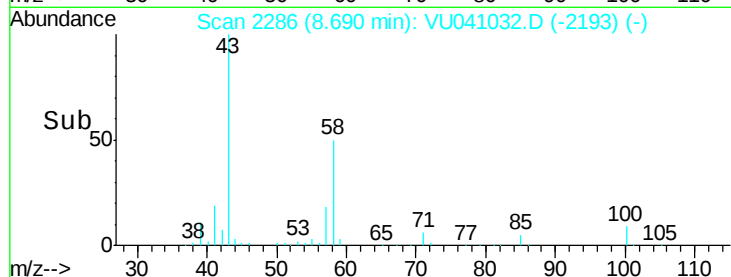
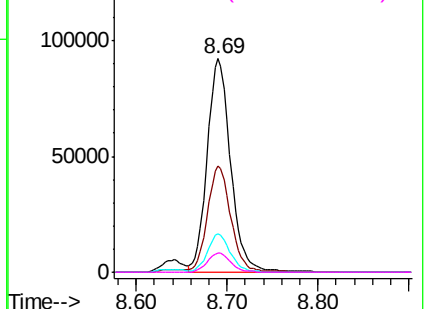
#48
2-Hexanone
Concen: 57.022 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Instrument :
MSVOA_U
ClientSampled :
VSTD00509

Tot Ion:	43	Resp:	165562
Ion	Ratio	Lower	Upper
43	100		
58	49.4	41.4	62.2
57	17.4	14.6	21.8
100	9.0	8.3	12.5

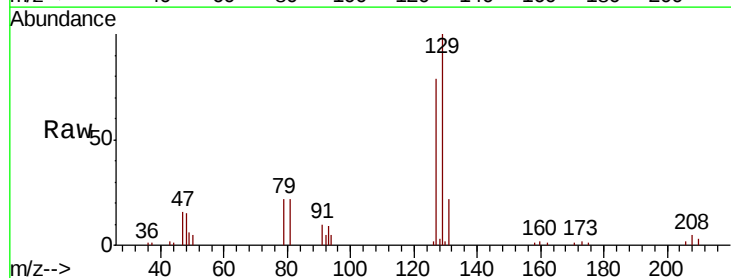


Abundance Ion 43.05 (42.75 to 43.75): VU041032.D (-2193) (-)

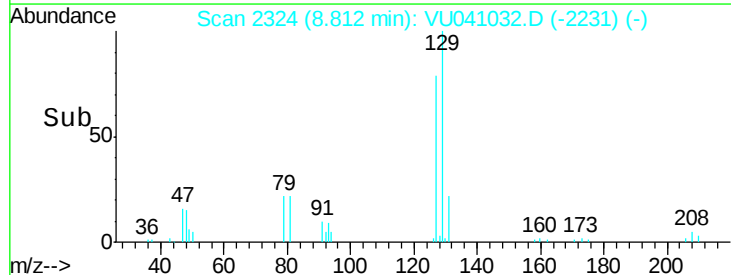
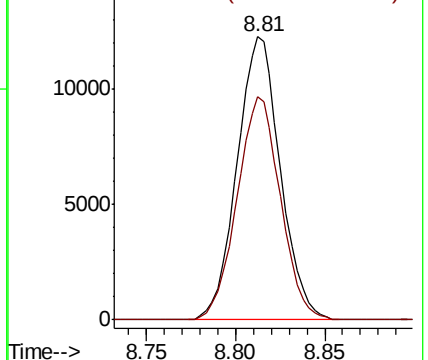


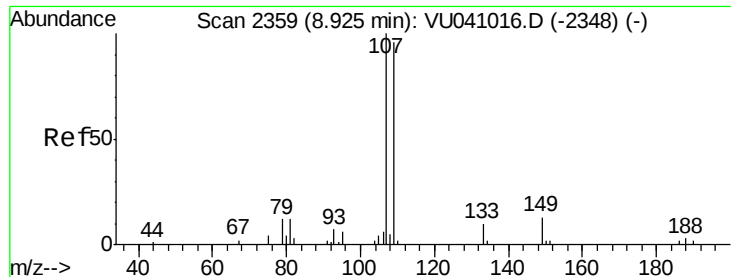
#49
Dibromochloromethane
Concen: 4.958 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion:	129	Resp:	20727
Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041032.D (-2231) (-)

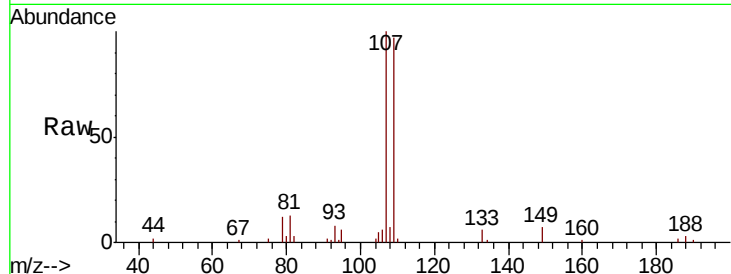




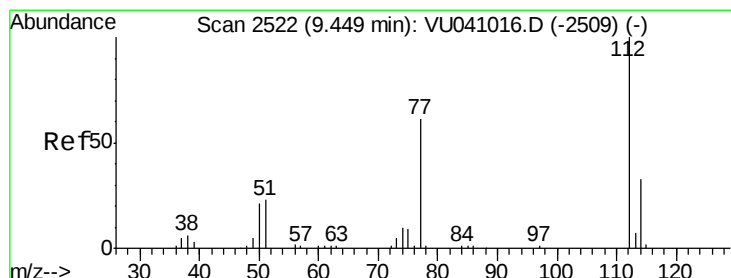
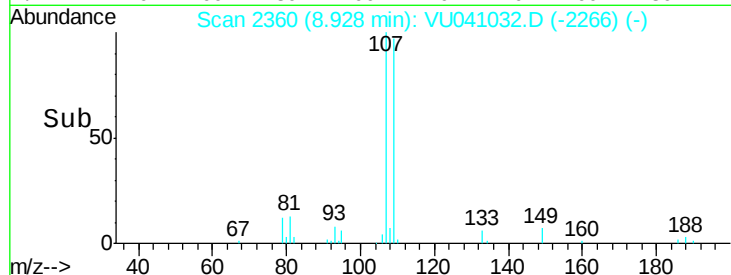
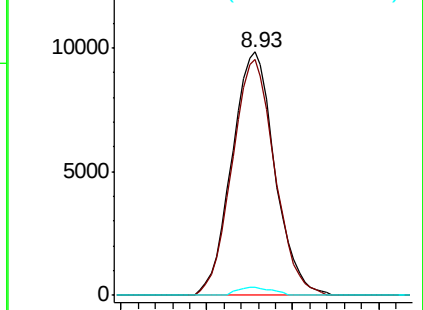
#50
1,2-Dibromoethane
Concen: 4.966 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:107 Resp: 17037
Ion Ratio Lower Upper
107 100
109 97.1 65.6 121.8
188 3.4 2.9 4.3

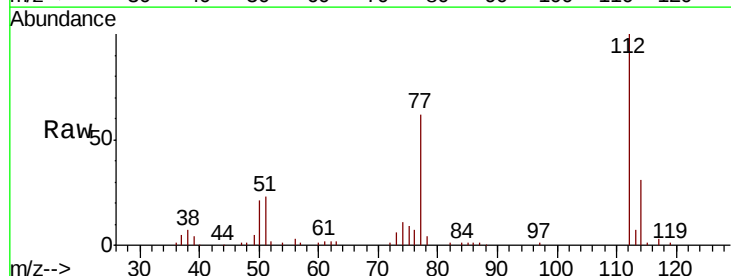


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

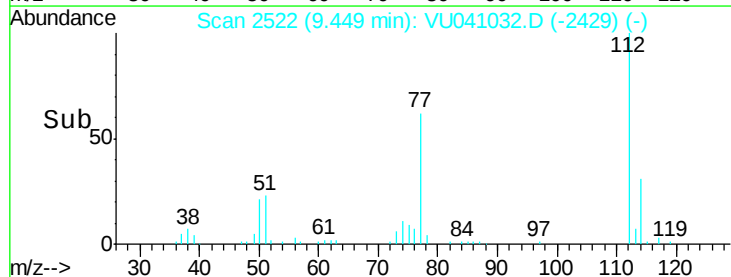
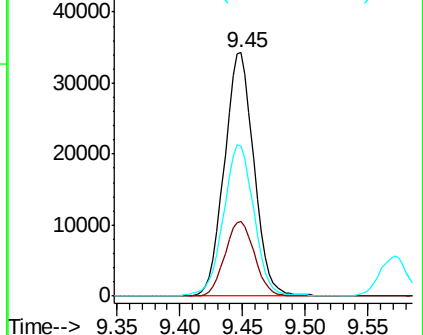


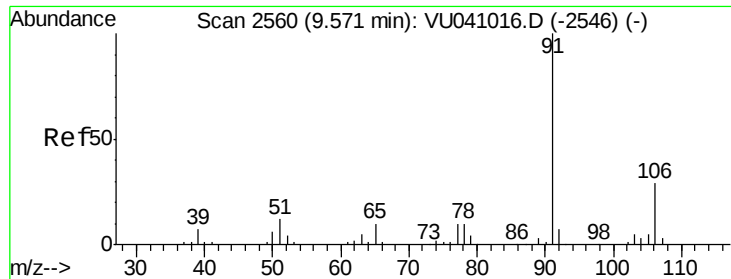
#51
Chlorobenzene
Concen: 4.896 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion:112 Resp: 56270
Ion Ratio Lower Upper
112 100
114 30.6 22.4 41.6
77 61.8 51.2 76.8



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): V





#52

Ethylbenzene

Concen: 4.763 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

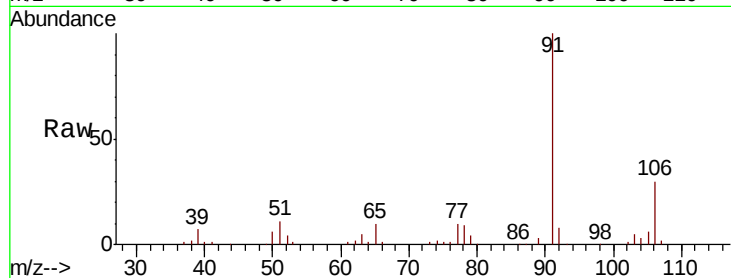
VSTD00509

Tot Ion: 91 Resp: 90868

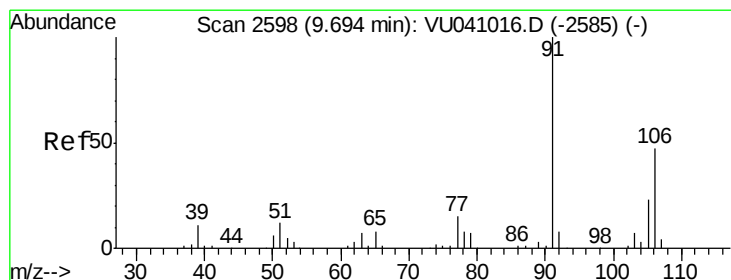
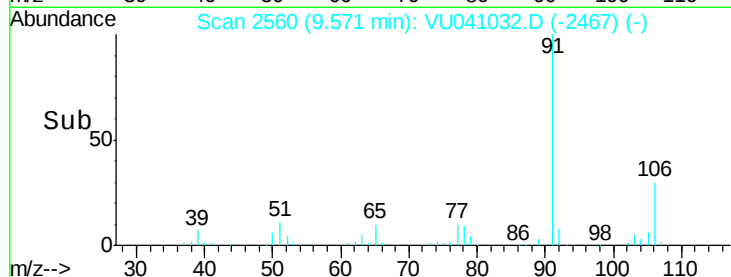
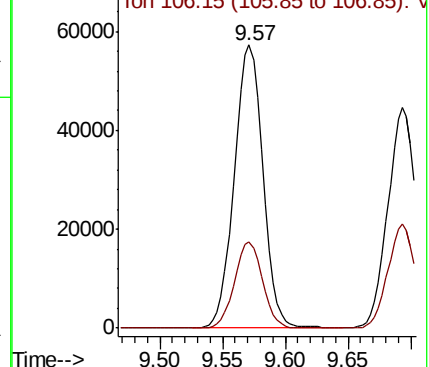
Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041016.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.775 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041032.D

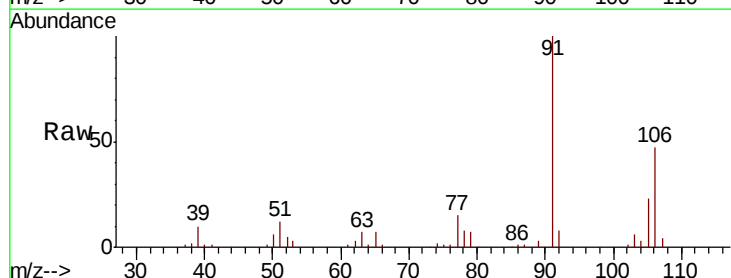
Acq: 30 Oct 2020 09:32

Tgt Ion: 106 Resp: 33220

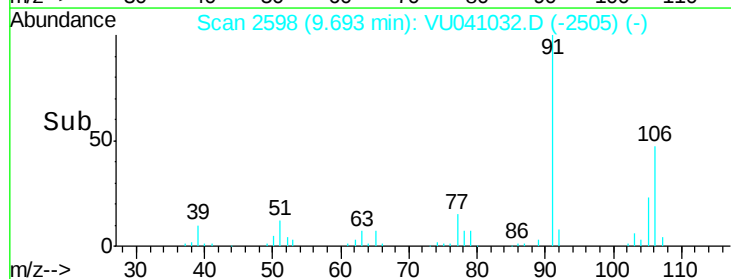
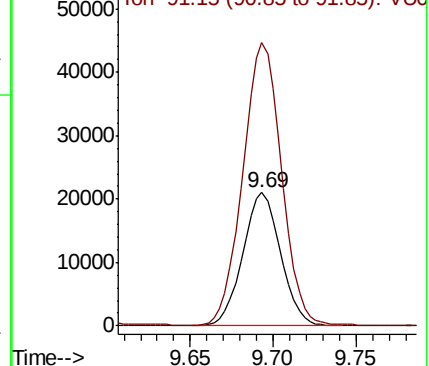
Ion Ratio Lower Upper

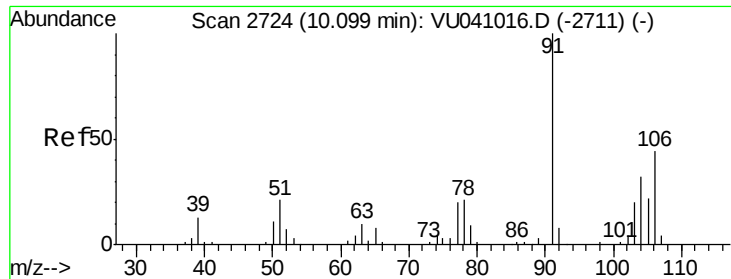
106 100

91 211.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041016.D (-2585) (-)

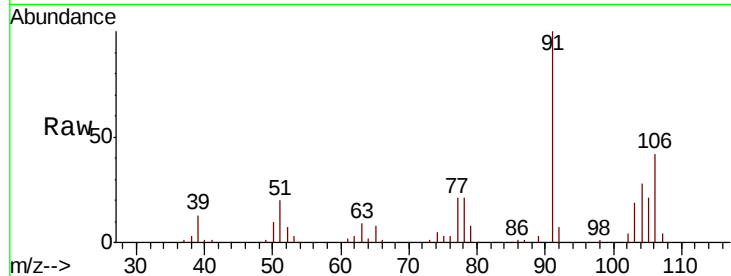




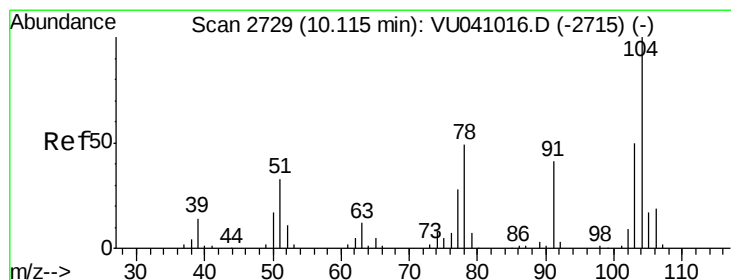
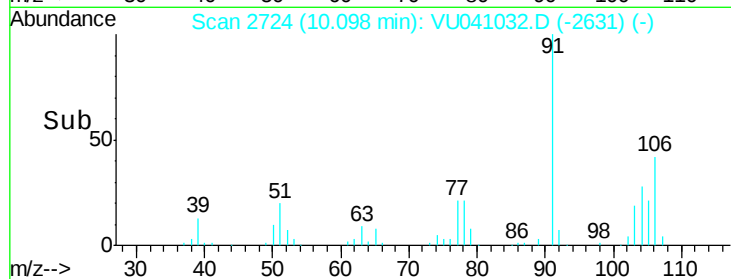
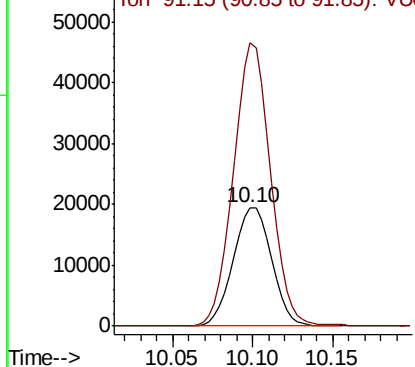
#54
o-Xylene
Concen: 4.924 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Instrument :
MSVOA_U
ClientSampleID :
VSTD00509

Tot Ion:106 Resp: 31908
Ion Ratio Lower Upper
106 100
91 238.0 154.3 286.5

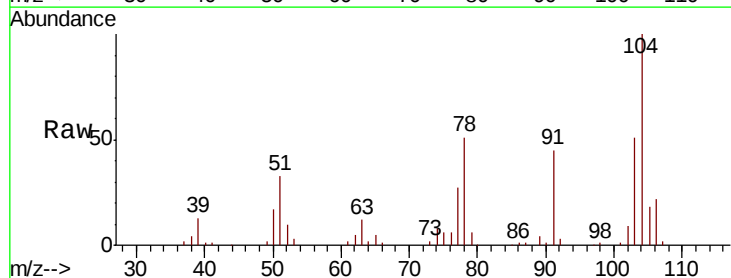


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

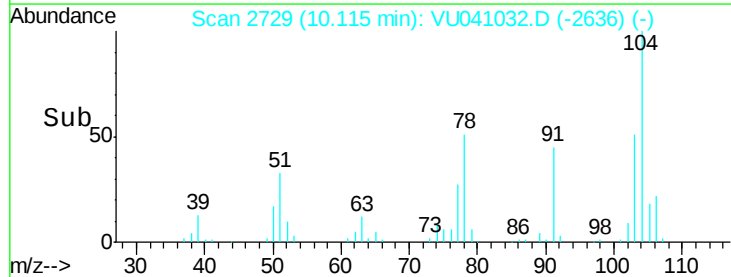
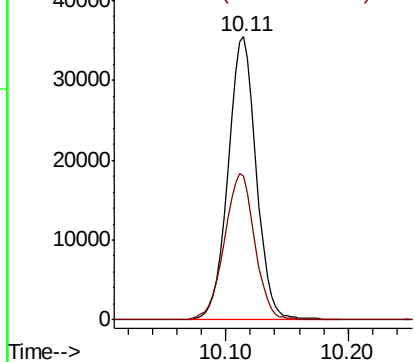


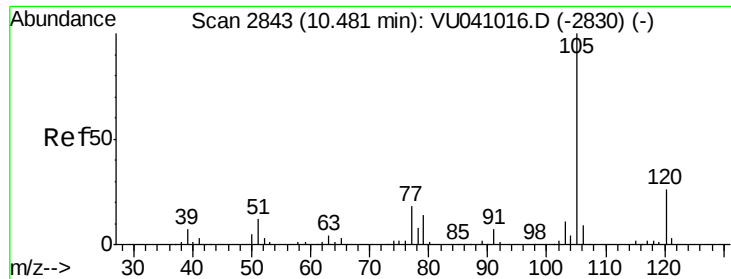
#55
Styrene
Concen: 4.964 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041032.D
Acq: 30 Oct 2020 09:32

Tgt Ion:104 Resp: 57313
Ion Ratio Lower Upper
104 100
78 51.0 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: 4.977 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

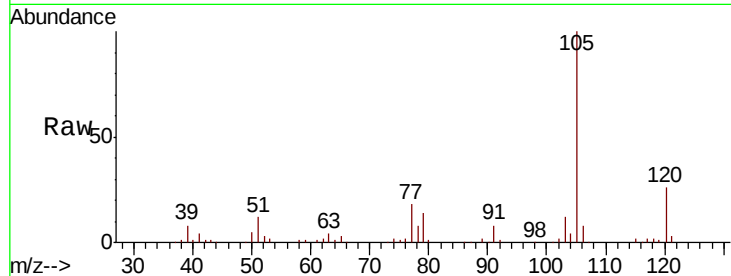
Tot Ion:105 Resp: 86721

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

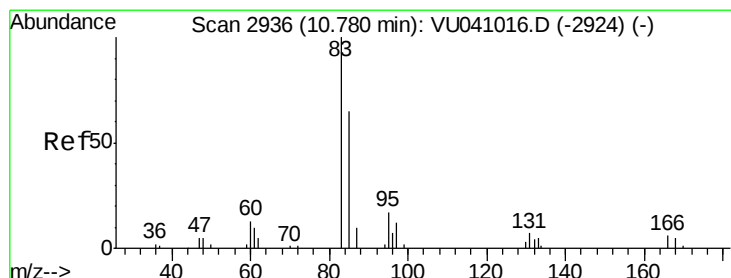
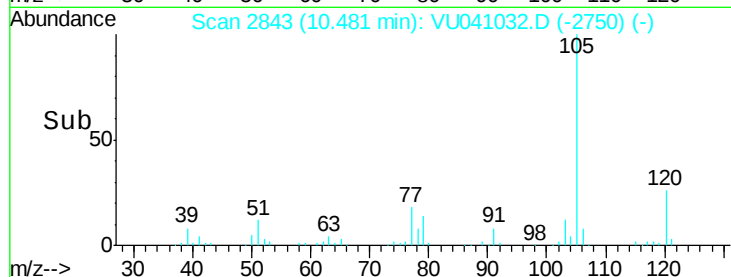
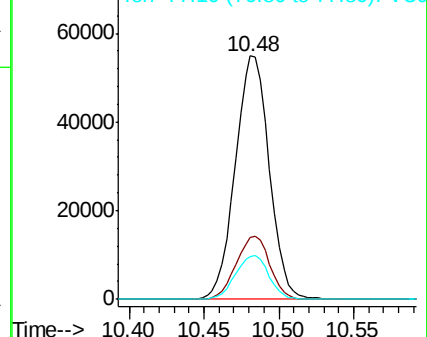
77 17.6 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.147 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

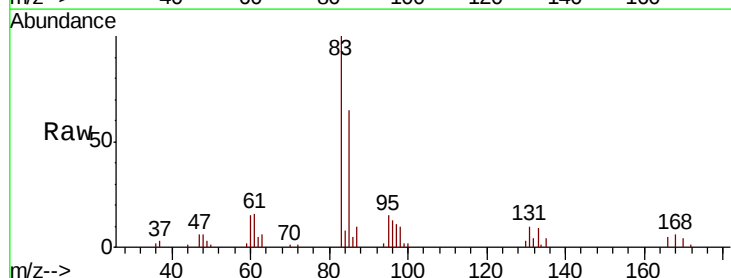
Tgt Ion: 83 Resp: 24337

Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.4

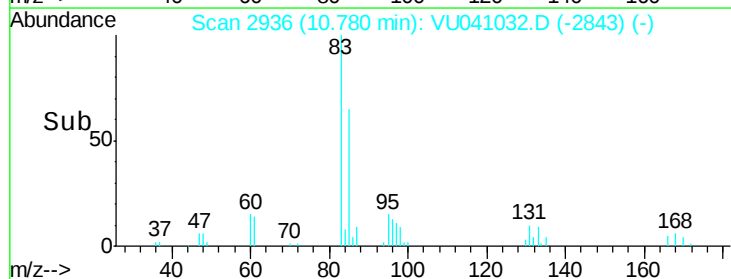
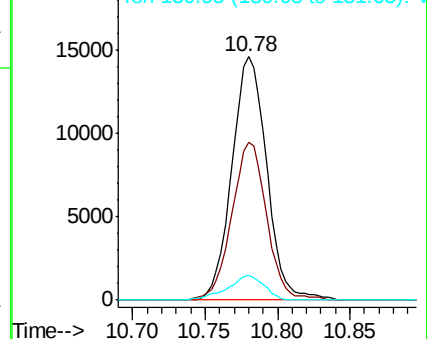
131 9.9 7.7 11.5

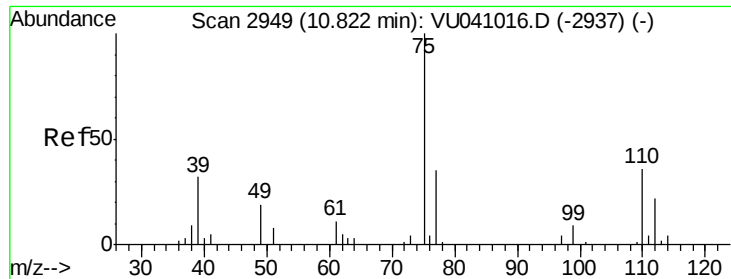


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.272 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

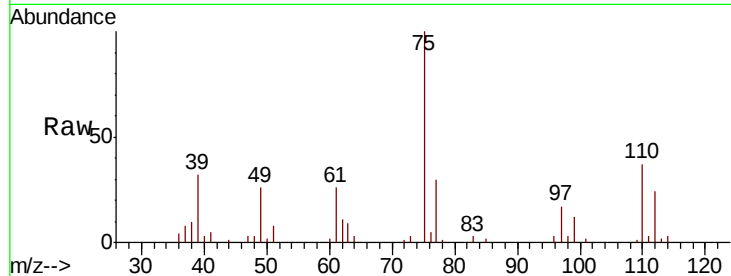
VSTD00509

Tot Ion: 75 Resp: 19001

Ion Ratio Lower Upper

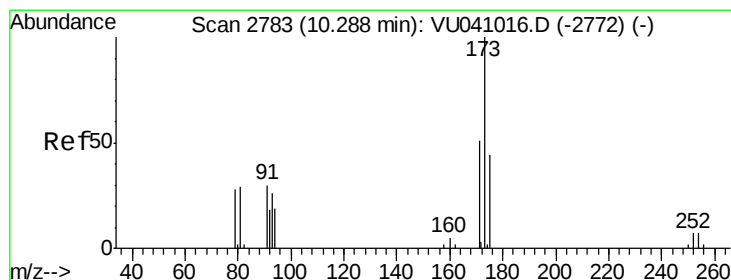
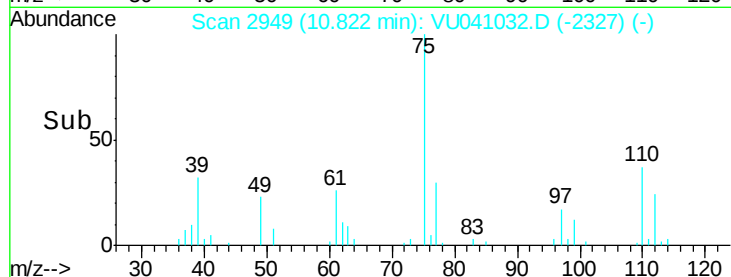
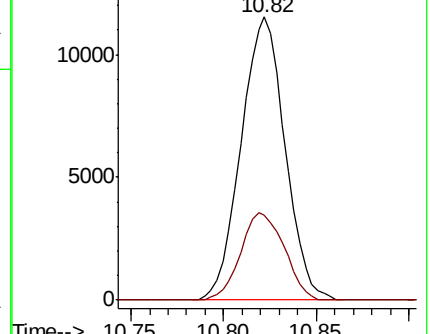
75 100

77 30.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041016.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041016.D (-2937) (-)



#61

Bromoform

Concen: 5.035 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

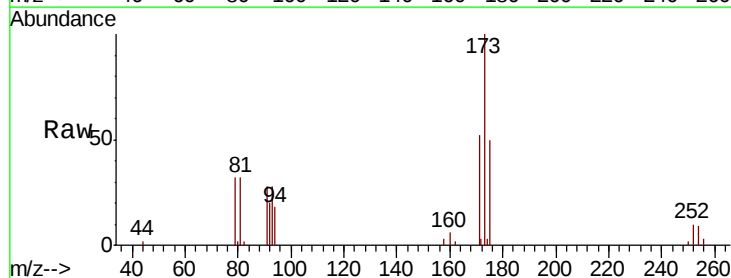
Tgt Ion: 173 Resp: 11492

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

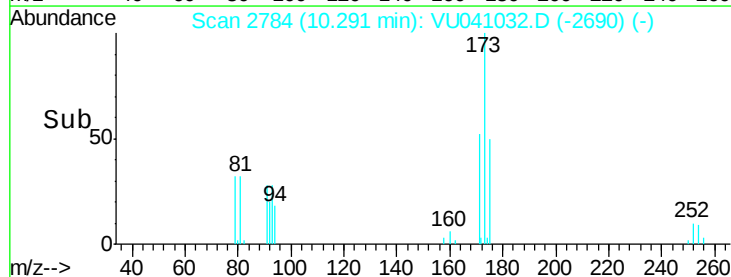
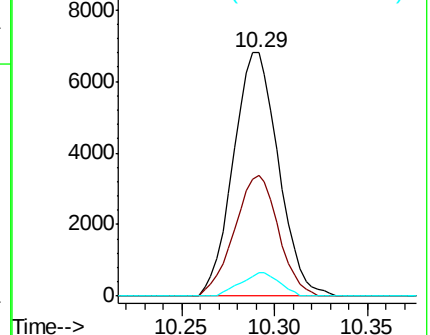
254 8.2 6.6 9.8

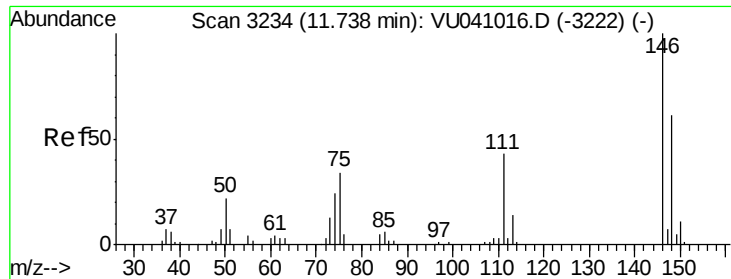


Abundance Ion 172.90 (172.60 to 173.60): VU041016.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041016.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041016.D (-2772) (-)

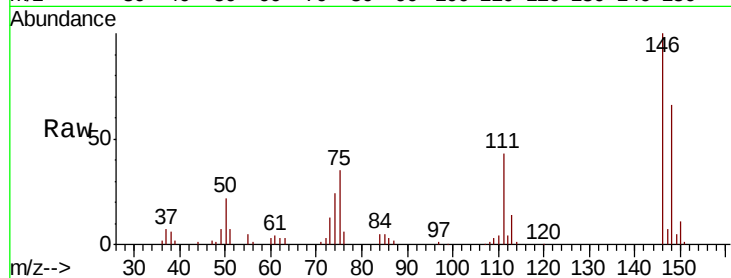




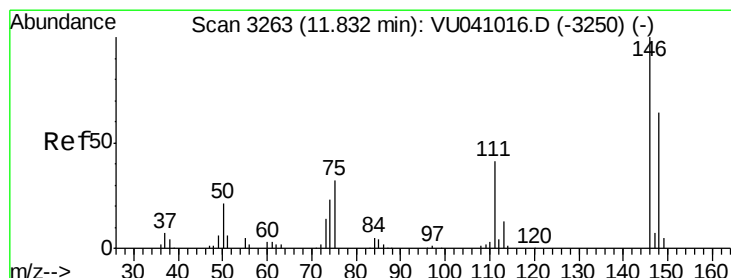
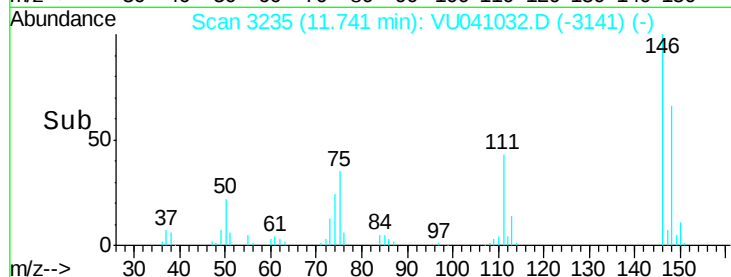
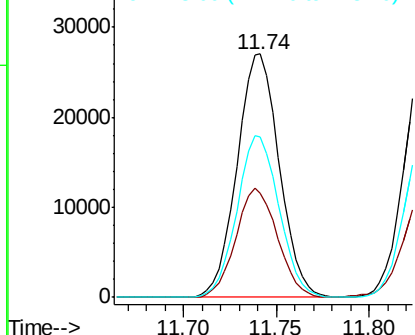
#62
 1,3-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:146 Resp: 42627
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.9 57.3
 148 65.6 45.8 85.2

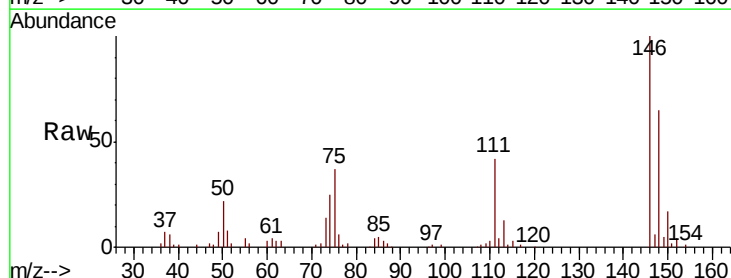


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

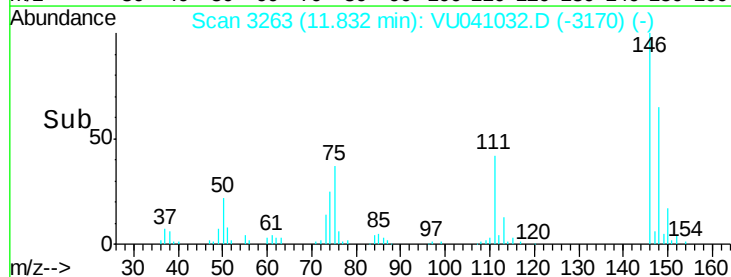
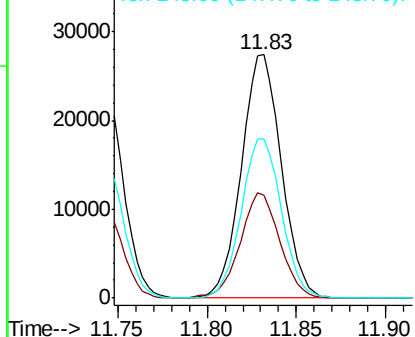


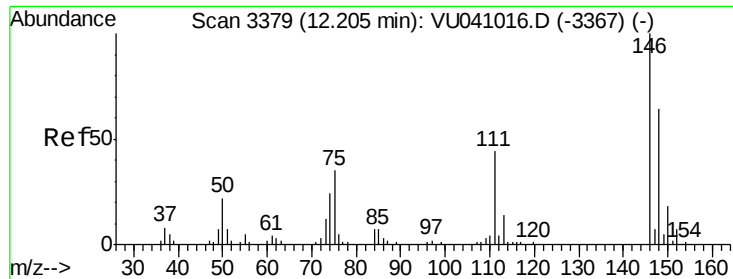
#63
 1,4-Dichlorobenzene
 Concen: 4.833 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion:146 Resp: 42790
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.3 52.7
 148 65.3 44.2 82.2



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: 4.847 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

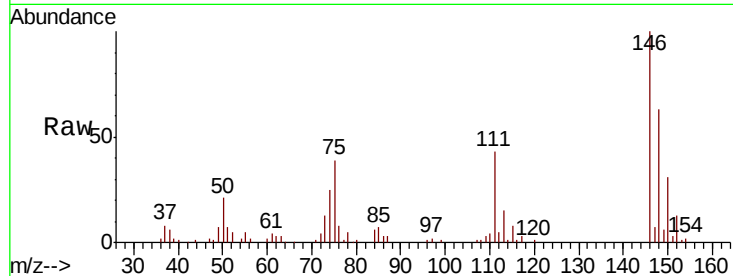
Tot Ion:146 Resp: 40890

Ion Ratio Lower Upper

146 100

111 42.8 35.0 52.6

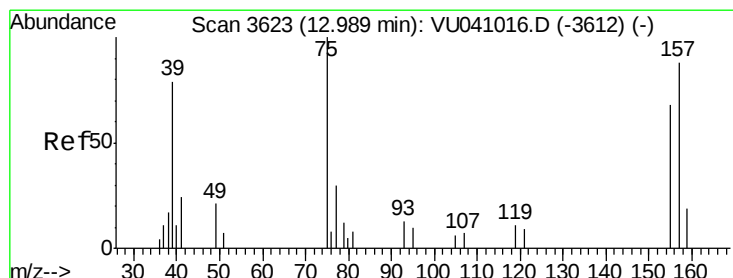
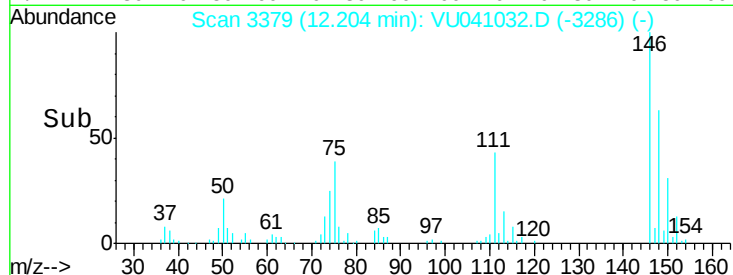
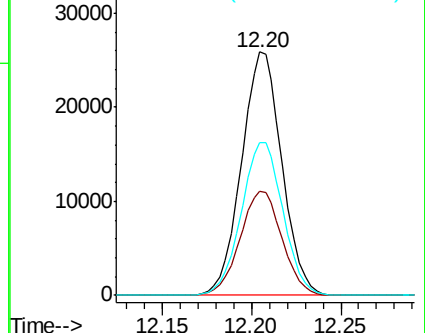
148 62.9 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.153 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

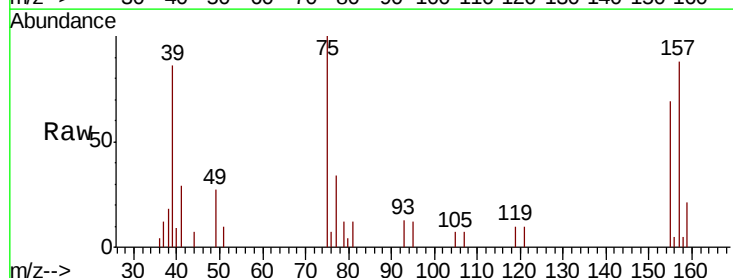
Tgt Ion: 75 Resp: 4261

Ion Ratio Lower Upper

75 100

155 69.1 61.4 92.2

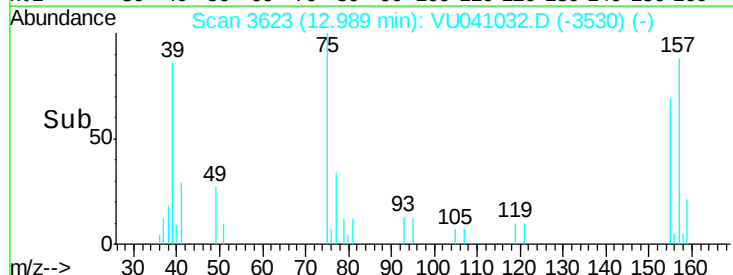
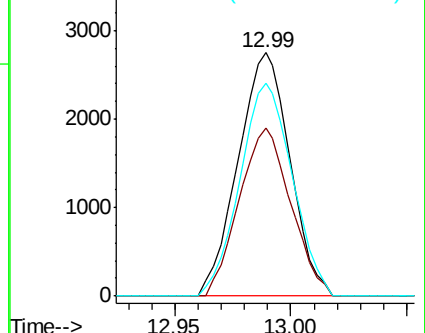
157 87.7 74.2 111.4

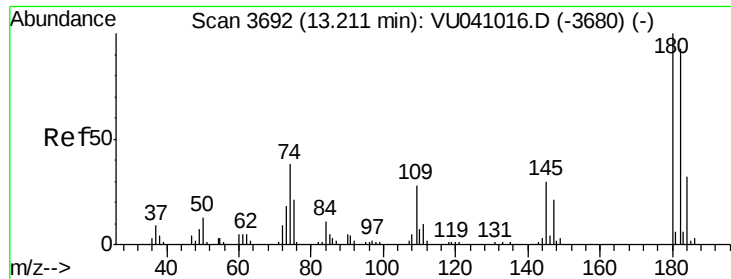


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

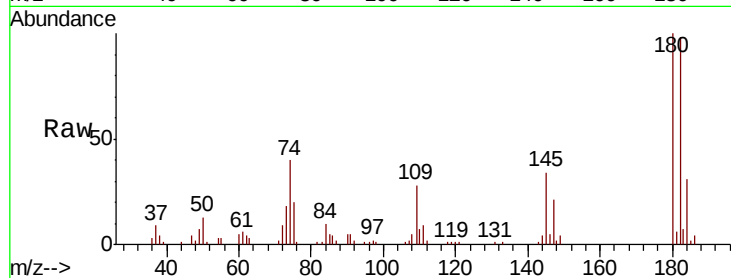




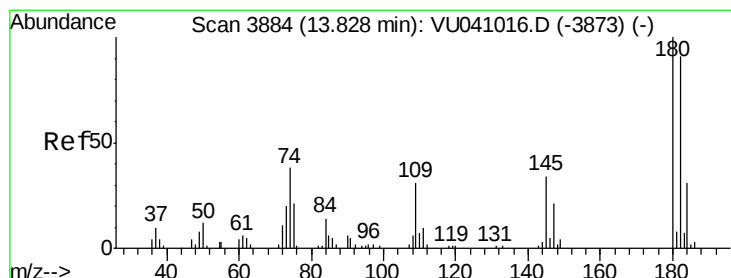
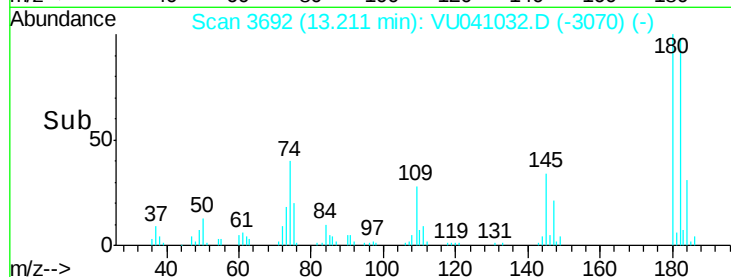
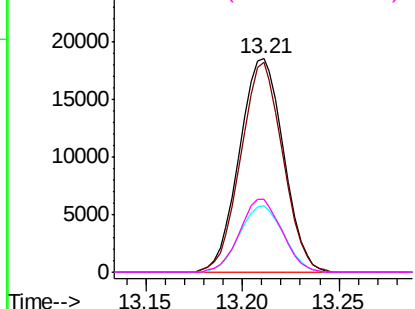
#67
 1,3,5-Trichlorobenzene
 Concen: 4.919 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00509

Tot Ion:180 Resp: 29413
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.7 113.5
 184 31.1 23.7 35.5
 145 32.9 26.1 39.1

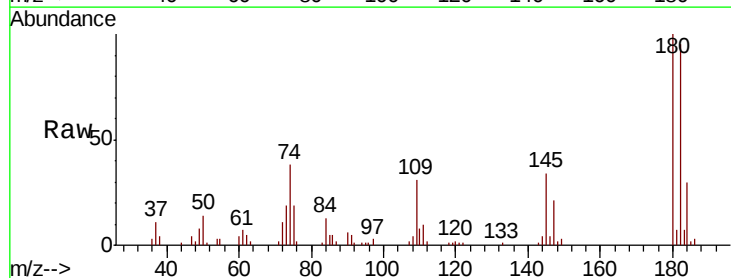


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

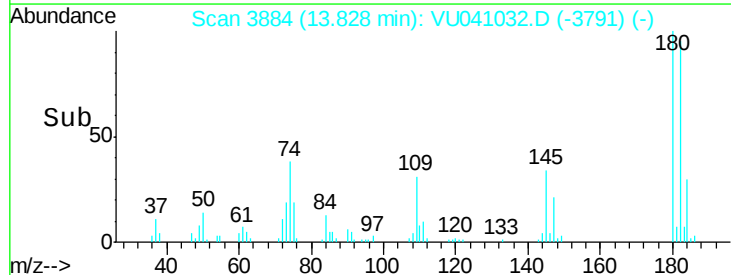
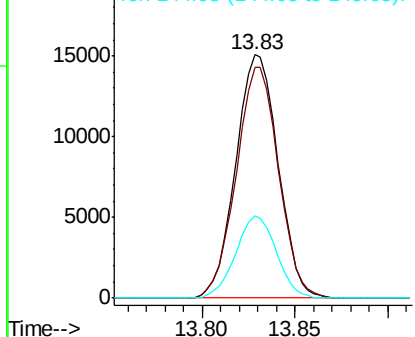


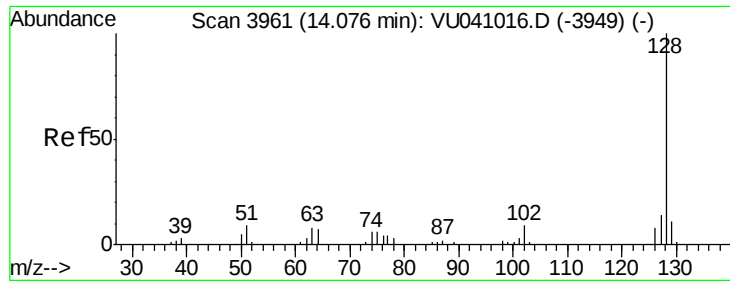
#68
 1,2,4-trichlorobenzene
 Concen: 4.825 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041032.D
 Acq: 30 Oct 2020 09:32

Tgt Ion:180 Resp: 23897
 Ion Ratio Lower Upper
 180 100
 182 94.6 73.5 110.3
 145 32.3 26.6 40.0



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: 4.820 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

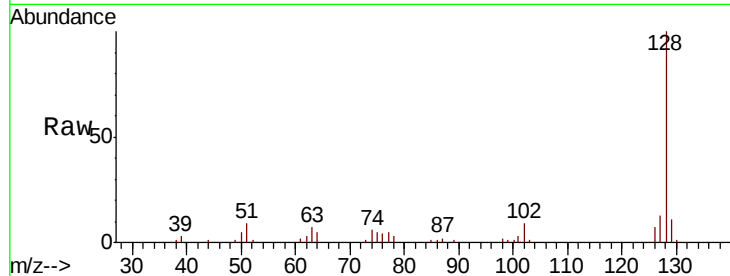
Tot Ion:128 Resp: 42690

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

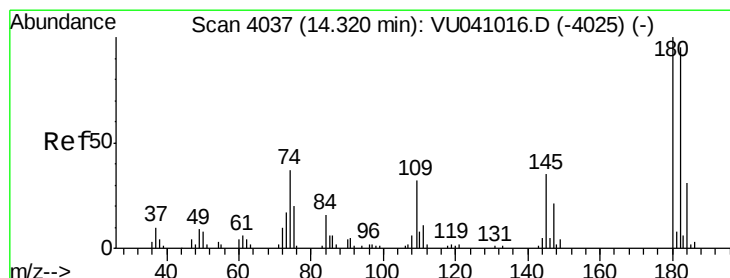
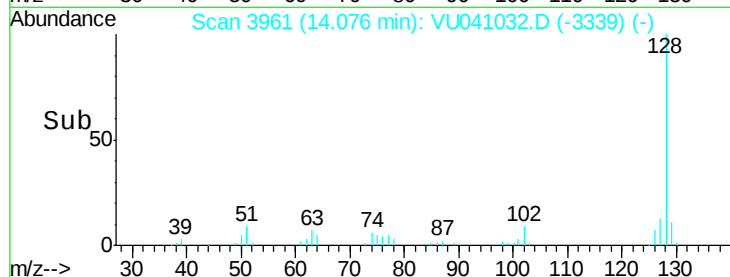
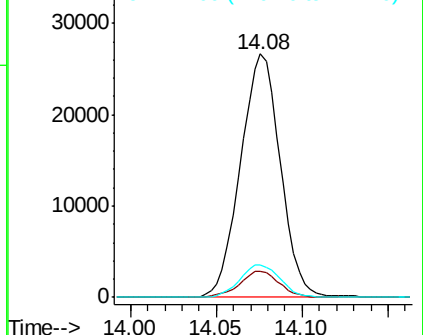
127 13.6 10.8 16.2



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: 5.153 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041032.D

Acq: 30 Oct 2020 09:32

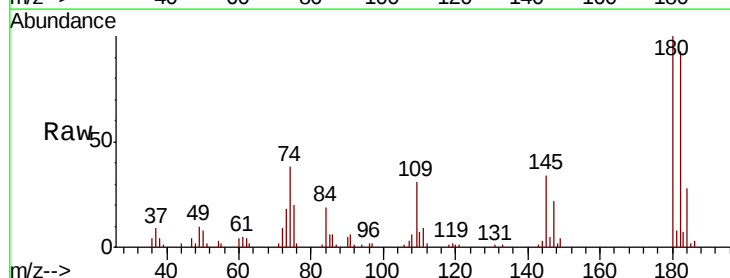
Tgt Ion:180 Resp: 23523

Ion Ratio Lower Upper

180 100

182 93.2 77.7 116.5

145 34.1 29.4 44.0



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

