

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
 Data File : VU041429.D
 Acq On : 25 Nov 2020 13:28
 Operator : SY/MD
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Quant Time: Nov 26 06:16:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67266	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72041	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	40368	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	120723	26.05	ug/L	0.00
7) Chloroethane-d5	1.92	69	80715	21.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	54578	24.64	ug/L	0.00
20) 2-Butanone-d5	4.65	46	311164	174.95	ug/L	0.00
24) Chloroform-d	5.08	84	227034	24.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	135708	23.07	ug/L	0.00
32) Benzene-d6	5.74	84	392615	21.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	105578	17.63	ug/L	0.00
41) Toluene-d8	7.91	98	378315	23.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	62439	23.50	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	272136	203.66	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	116262	20.96	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	153079	22.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	166464	26.876	ug/L 98
3) Chloromethane	1.53	50	134513	22.048	ug/L 99
5) Vinyl chloride	1.61	62	137274	22.979	ug/L 96
6) Bromomethane	1.87	94	72323	22.405	ug/L 98
8) Chloroethane	1.94	64	71734	18.497	ug/L 97
9) Trichlorofluoromethane	2.15	101	234909	26.358	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	114692	23.366	ug/L 99
12) 1,1-Dichloroethene	2.59	96	99102	21.683	ug/L # 87
13) Acetone	2.66	43	231097	195.169	ug/L 99
14) Carbon disulfide	2.81	76	288892	20.221	ug/L 98
15) Methyl Acetate	2.97	43	52089	19.328	ug/L 100
16) Methylene chloride	3.06	84	114056	20.867	ug/L 92
17) Methyl tert-butyl Ether	3.38	73	297132	24.523	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	104948	22.484	ug/L 99
19) 1,1-Dichloroethane	3.89	63	196641	20.431	ug/L 100
21) 2-Butanone	4.73	43	341974	183.410	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	111735	22.177	ug/L 93
23) Bromochloromethane	4.99	128	52993	22.243	ug/L 96
25) Chloroform	5.11	83	224736	22.437	ug/L 99
27) 1,2-Dichloroethane	5.81	62	165112	22.503	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	211923	22.295	ug/L 99
30) Cyclohexane	5.40	56	170060	20.482	ug/L 97
31) Carbon tetrachloride	5.54	117	193527	23.554	ug/L 99
33) Benzene	5.79	78	427460	20.115	ug/L 100
34) Trichloroethene	6.55	95	111661	19.369	ug/L 99
35) Methylcyclohexane	6.77	83	169009	21.032	ug/L 95
37) 1,2-Dichloropropane	6.80	63	100763	16.942	ug/L 99
38) Bromodichloromethane	7.11	83	166142	21.393	ug/L 98
39) cis-1,3-Dichloropropene	7.62	75	183426	22.418	ug/L 97
40) 4-Methyl-2-pentanone	7.80	43	784528	177.433	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112520\
 Data File : VU041429.D
 Acq On : 25 Nov 2020 13:28
 Operator : SY/MD
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Quant Time: Nov 26 06:16:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR112520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 26 06:14:04 2020
 Response via : Initial Calibration

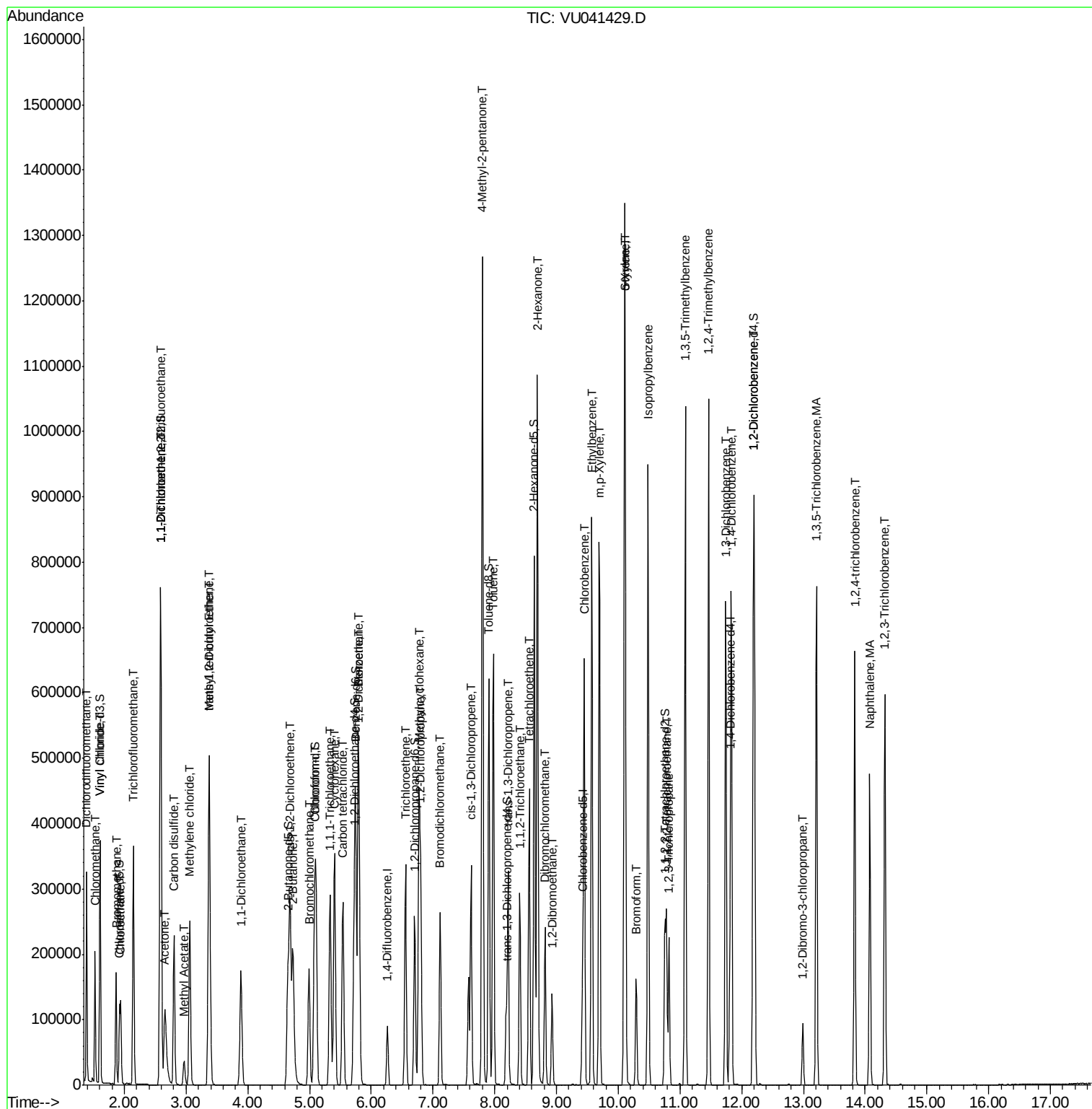
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	460670	21.048	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	173186	22.567	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	85520	19.893	ug/L	97
47) Tetrachloroethene	8.56	164	91436	22.622	ug/L	99
48) 2-Hexanone	8.69	43	675097	203.532	ug/L	99
49) Dibromochloromethane	8.82	129	117497	22.671	ug/L	100
50) 1,2-Dibromoethane	8.93	107	86396	21.043	ug/L	96
51) Chlorobenzene	9.45	112	314924	22.549	ug/L	99
52) Ethylbenzene	9.57	91	577972	25.441	ug/L	100
53) m,p-Xylene	9.69	106	214821	25.958	ug/L	99
54) o-Xylene	10.10	106	206343	25.979	ug/L	98
55) Styrene	10.11	104	366158	26.602	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	118387	21.276	ug/L	97
59) Bromoform	10.29	173	69499	21.624	ug/L	99
60) Isopropylbenzene	10.48	105	585433	24.628	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	90576	18.853	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	518873	26.431	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	536093	27.048	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	269309	22.344	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	274572	22.347	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	259362	22.099	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	24893	21.656	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	210484	24.928	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	183206	25.697	ug/L	100
71) Naphthalene	14.08	128	349183	27.814	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	165709	24.878	ug/L	100

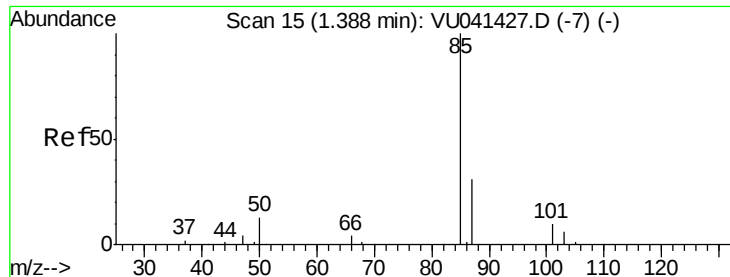
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112520\  
Data File : VU041429.D  
Acq On    : 25 Nov 2020 13:28  
Operator  : SY/MD  
Sample    : VSTD02001  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 6 Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

Quant Time: Nov 26 06:16:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_U\METHOD\SFAMUTR112520WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 26 06:14:04 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.876 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

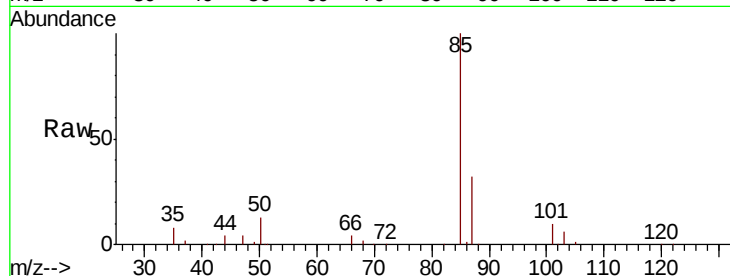
VSTD020101

Tot Ion: 85 Resp: 166464

Ion Ratio Lower Upper

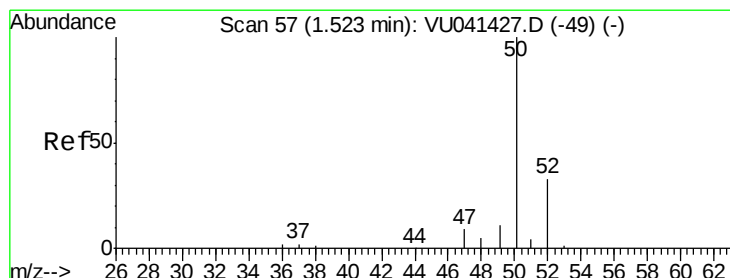
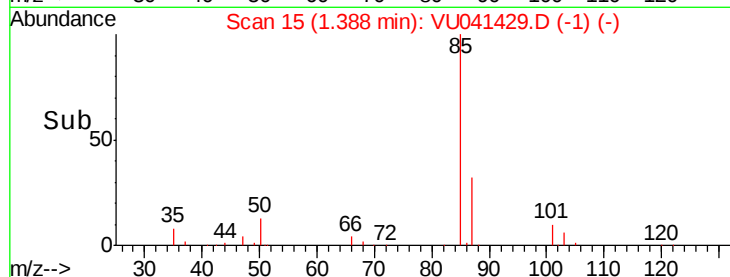
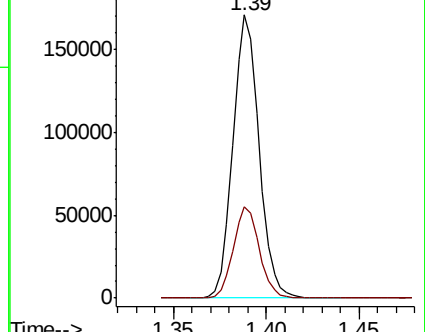
85 100

87 32.2 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 22.048 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041429.D

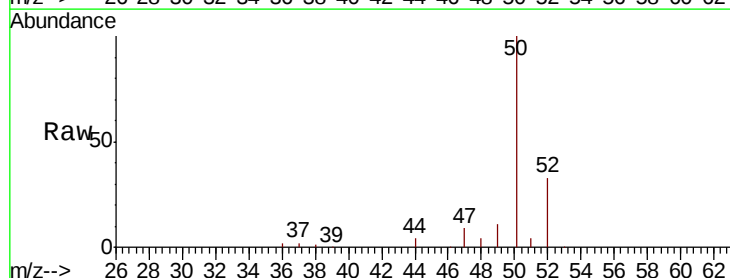
Acq: 25 Nov 2020 13:28

Tgt Ion: 50 Resp: 134513

Ion Ratio Lower Upper

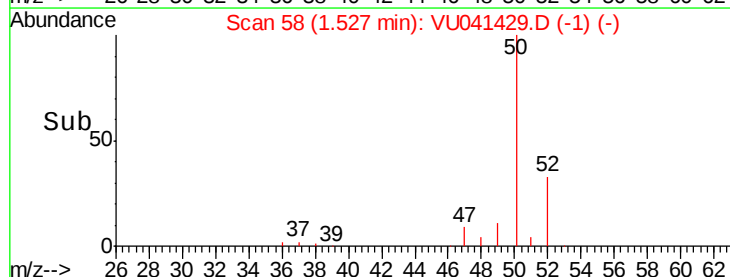
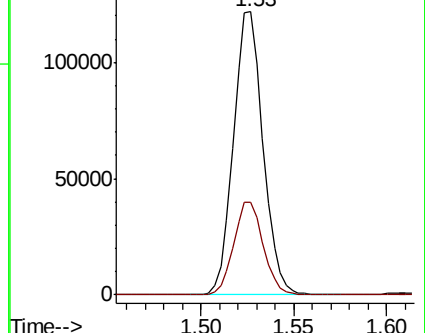
50 100

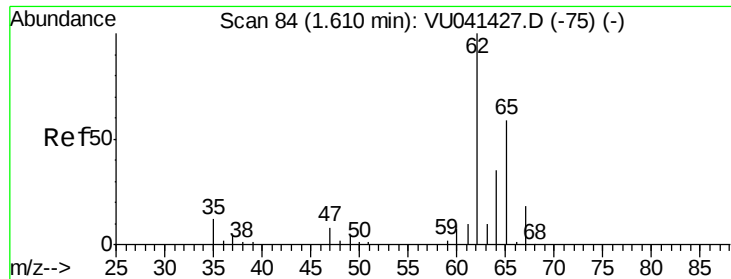
52 32.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 22.979 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

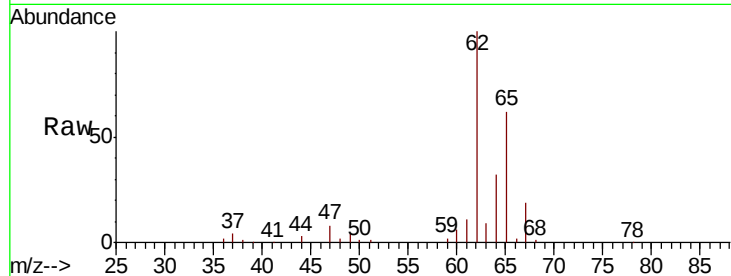
VSTD020101

Tot Ion: 62 Resp: 137274

Ion Ratio Lower Upper

62 100

64 32.3 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU041429.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041429.D (-75) (-)

1.61

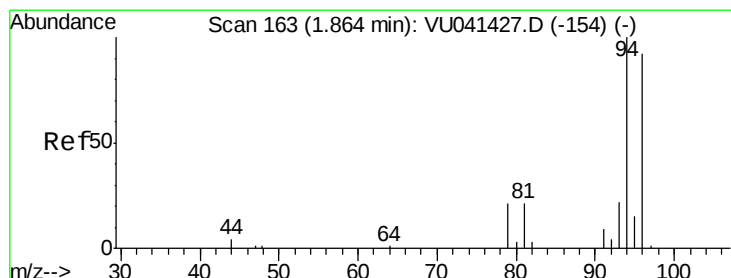
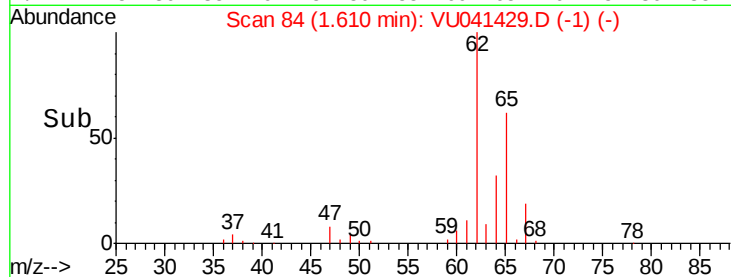
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 22.405 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041429.D

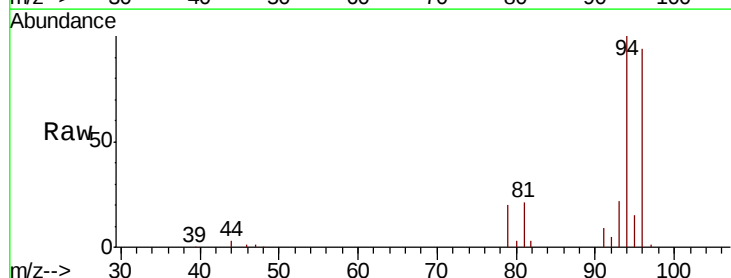
Acq: 25 Nov 2020 13:28

Tgt Ion: 94 Resp: 72323

Ion Ratio Lower Upper

94 100

96 94.2 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU041429.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041429.D (-154) (-)

1.87

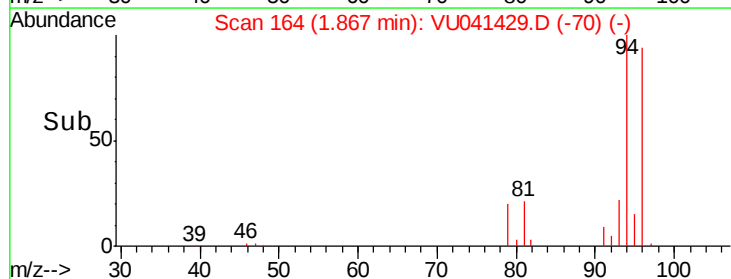
60000

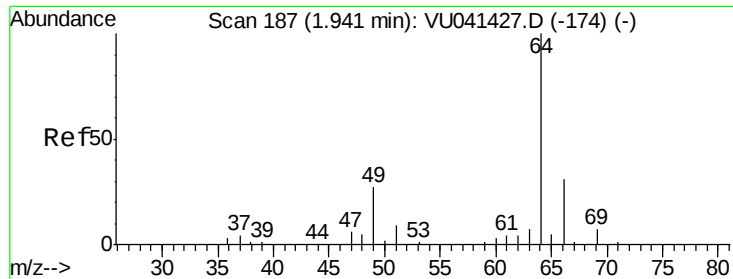
40000

20000

0

Time-->

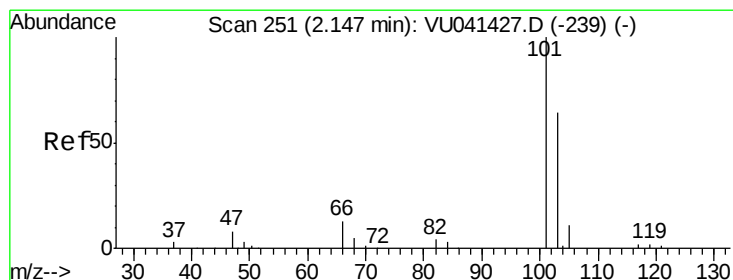
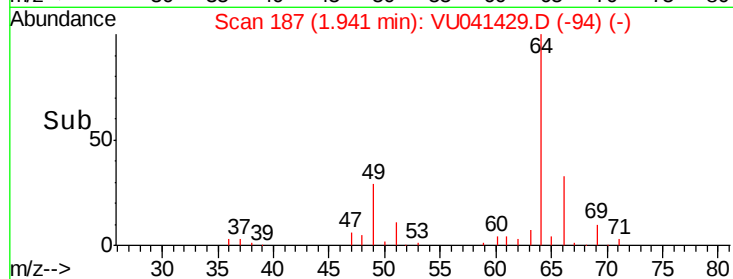
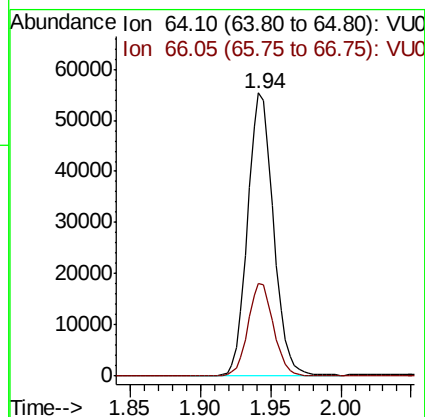
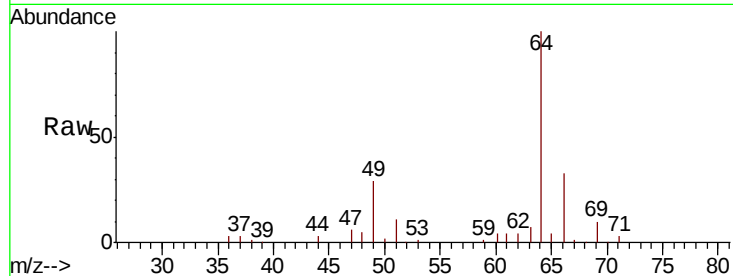




#8
Chloroethane
Concen: 18.497 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

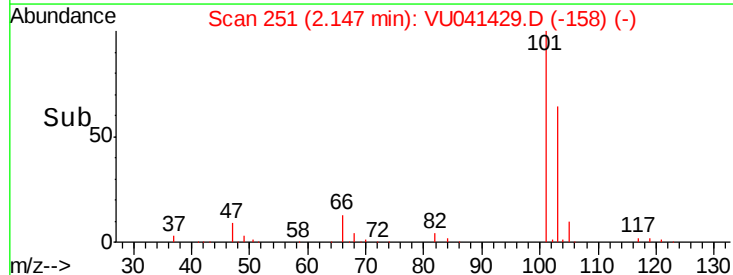
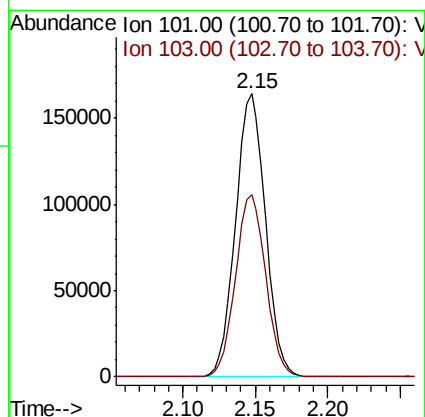
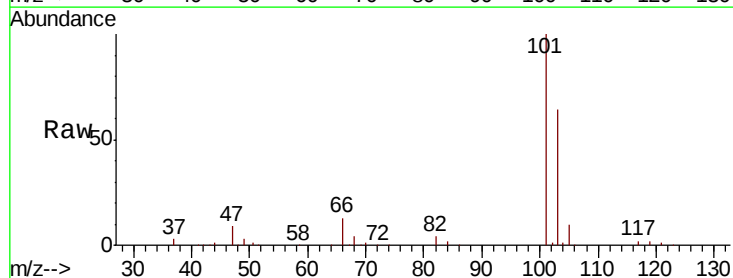
Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

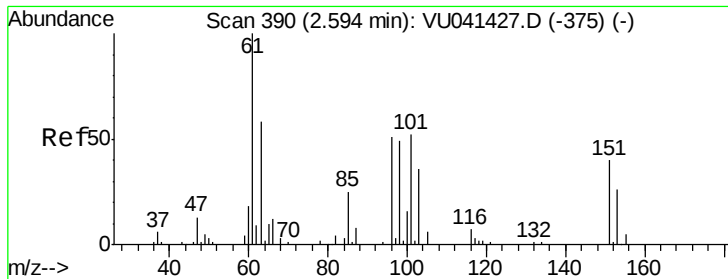
Tot Ion: 64 Resp: 71734
Ion Ratio Lower Upper
64 100
66 32.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 26.358 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion:101 Resp: 234909
Ion Ratio Lower Upper
101 100
103 64.9 51.1 76.7





#10

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

Concen: 23.366 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD020101

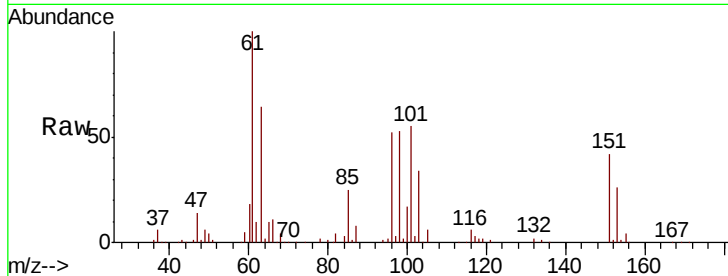
Tot Ion:101 Resp: 114692

Ion Ratio Lower Upper

101 100

85 45.7 37.8 56.6

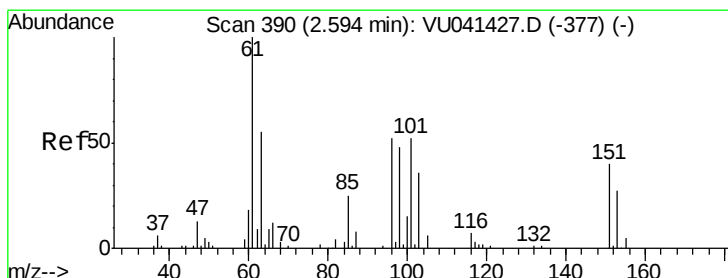
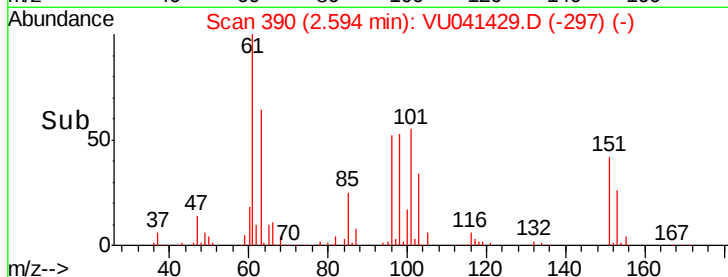
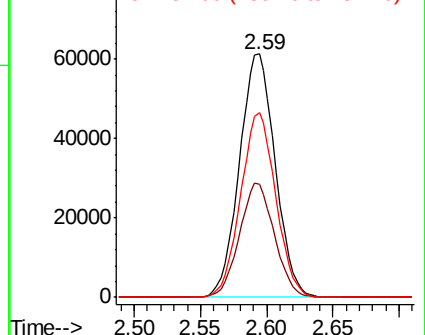
151 74.4 59.6 89.4



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: 21.683 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

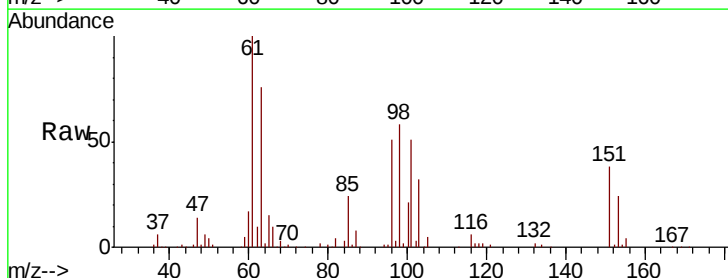
Tgt Ion: 96 Resp: 99102

Ion Ratio Lower Upper

96 100

61 196.8 136.1 252.7

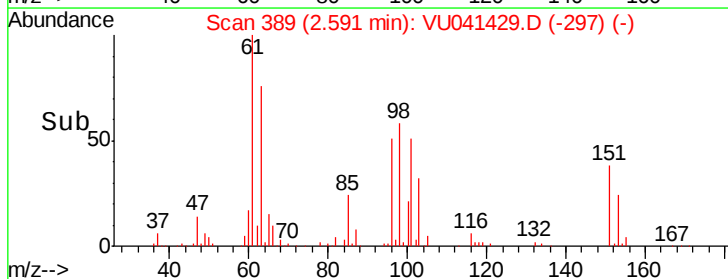
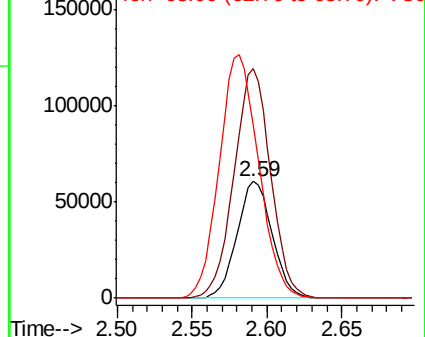
63 148.7 79.5 147.6#

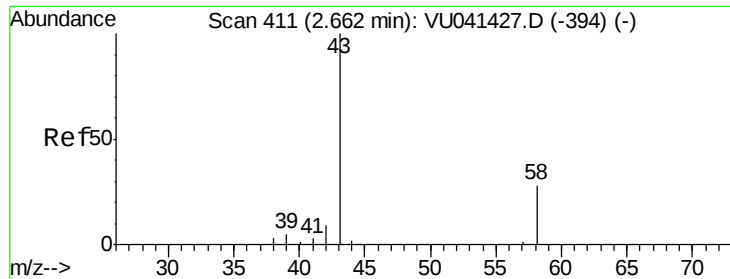


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 195.169 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

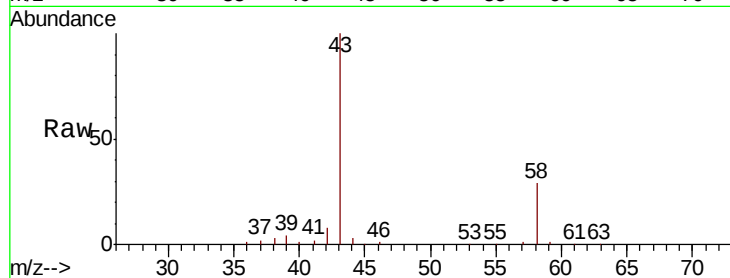
VSTD020101

Tot Ion: 43 Resp: 231097

Ion Ratio Lower Upper

43 100

58 28.9 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

80000

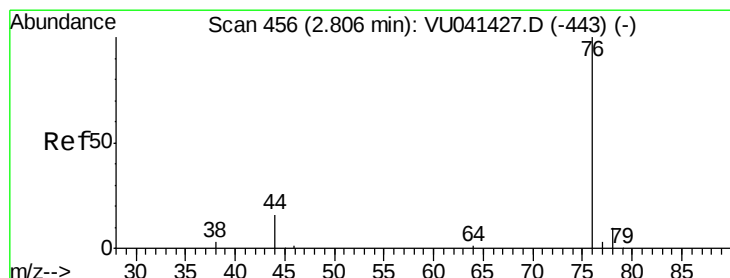
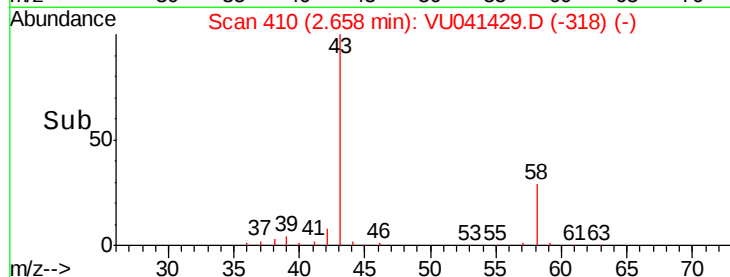
60000

40000

20000

0

Time--> 2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 20.221 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041429.D

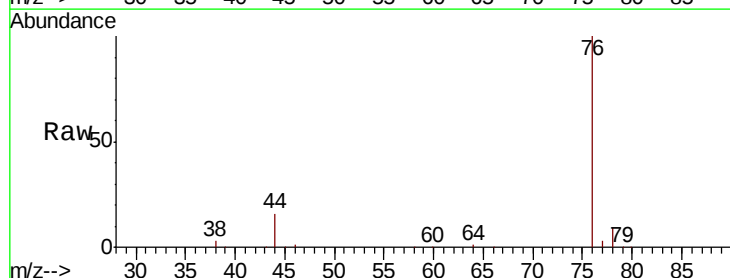
Acq: 25 Nov 2020 13:28

Tgt Ion: 76 Resp: 288892

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

200000

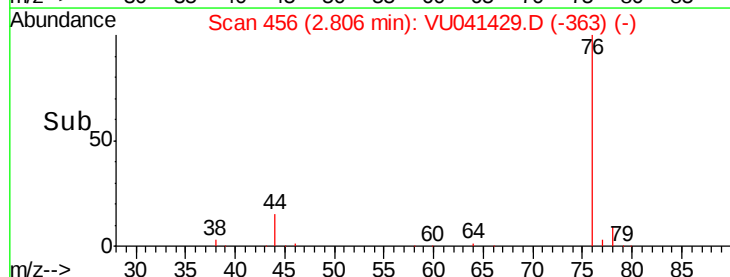
150000

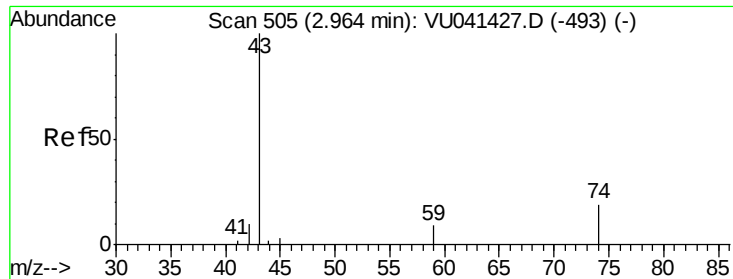
100000

50000

0

Time--> 2.70 2.75 2.80 2.85 2.90

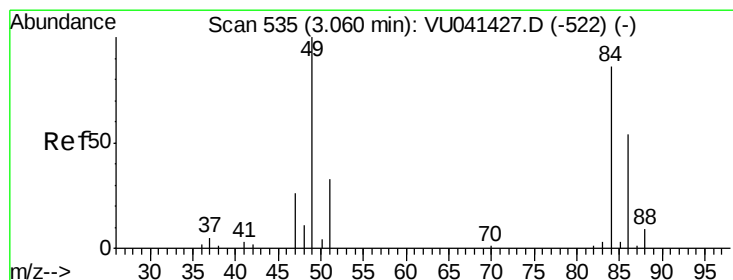
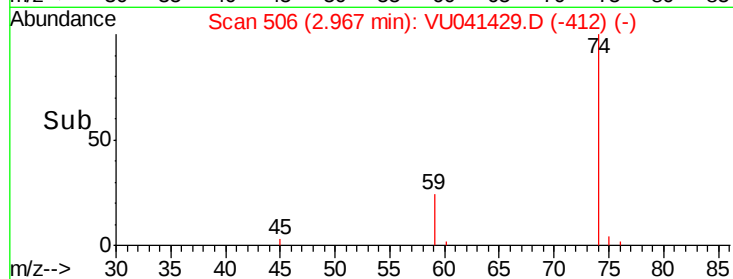
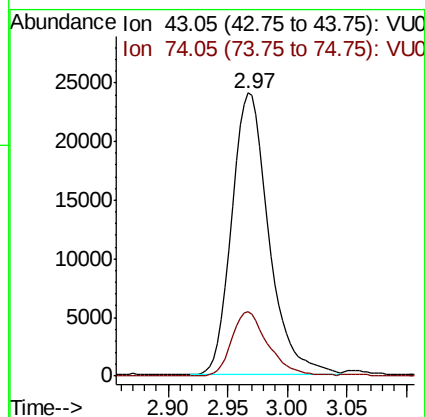
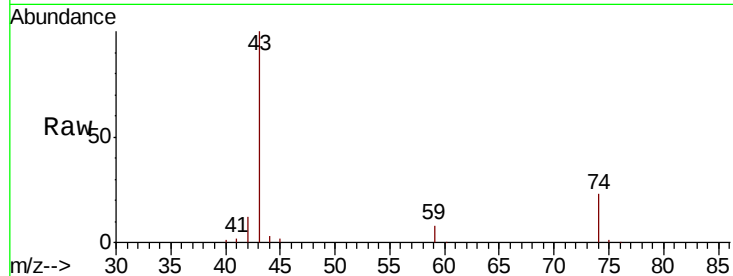




#15
Methvl Acetate
Concen: 19.328 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

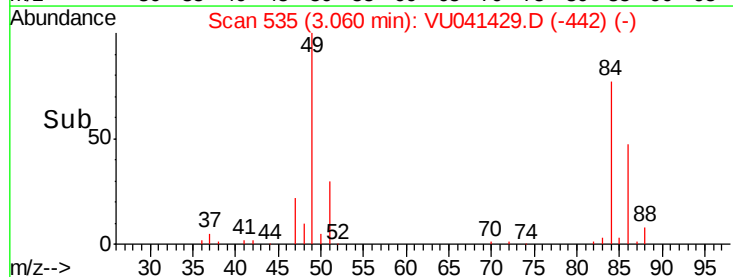
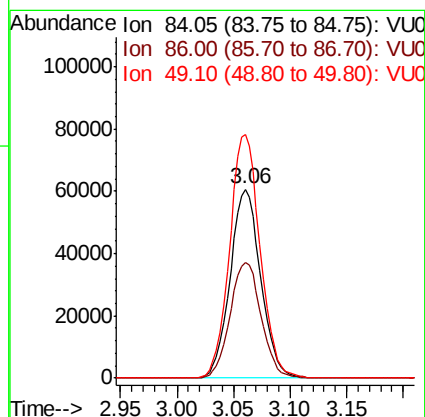
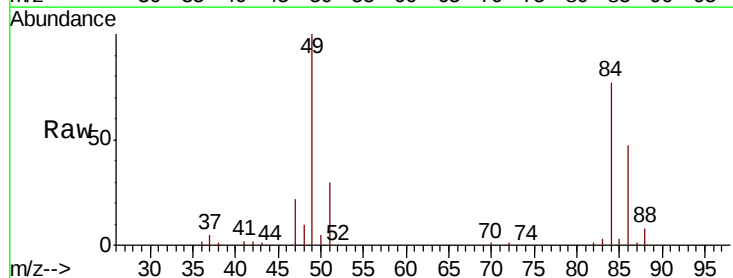
Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

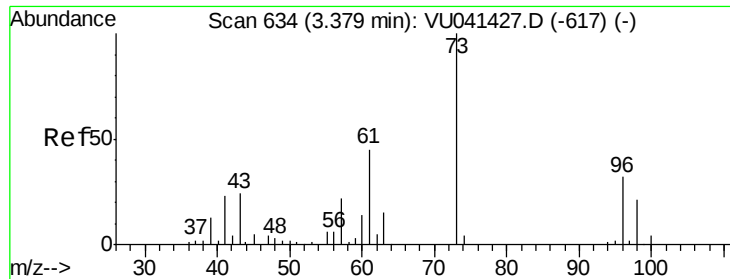
Tot Ion: 43 Resp: 52089
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0



#16
Methylene chloride
Concen: 20.867 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion: 84 Resp: 114056
Ion Ratio Lower Upper
84 100
86 61.3 44.5 82.7
49 129.1 81.8 152.0

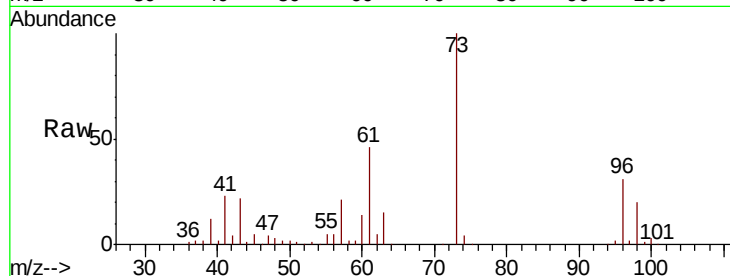




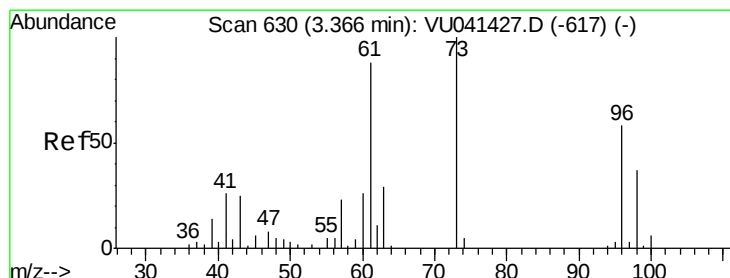
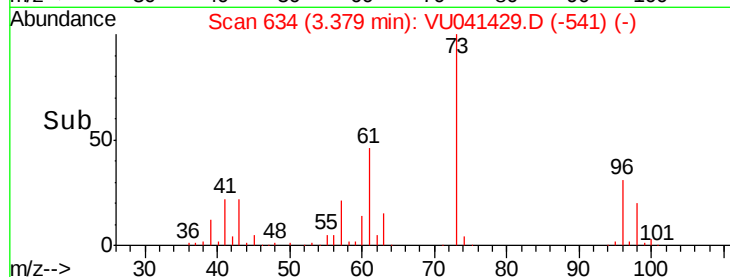
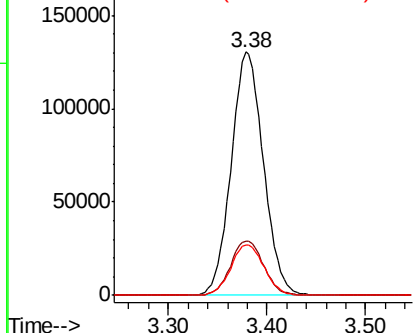
#17
Methvl tert-butvl Ether
Concen: 24.523 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

Tot Ion: 73 Resp: 297132
Ion Ratio Lower Upper
73 100
43 23.0 19.8 29.8
57 21.5 17.6 26.4

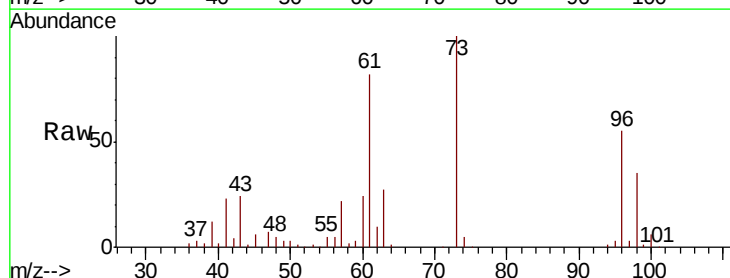


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

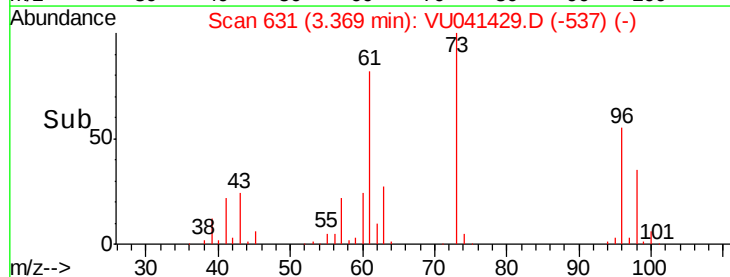
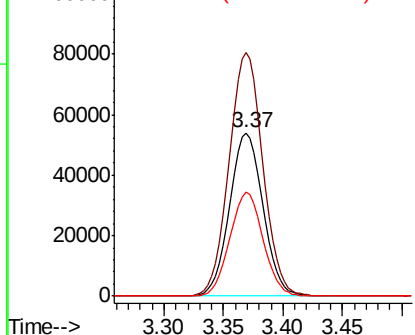


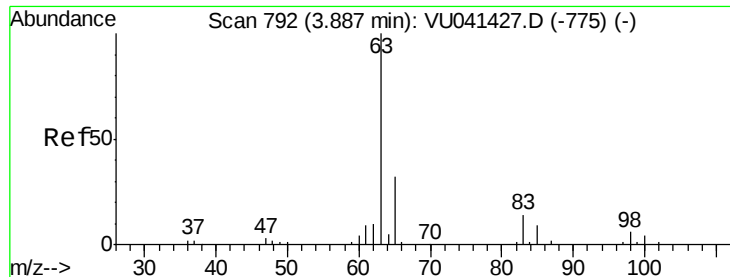
#18
trans-1,2-Dichloroethene
Concen: 22.484 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion: 96 Resp: 104948
Ion Ratio Lower Upper
96 100
61 149.4 106.4 197.6
98 63.5 44.4 82.4



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

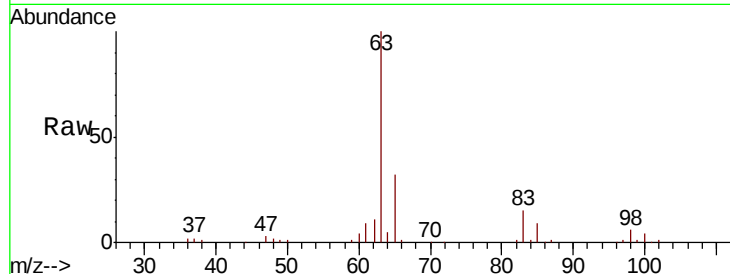




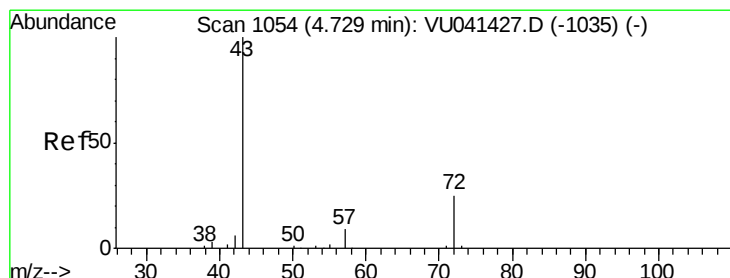
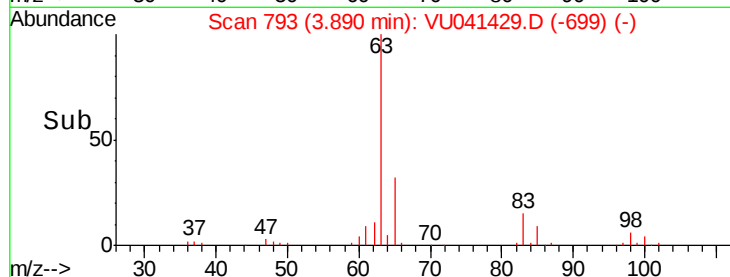
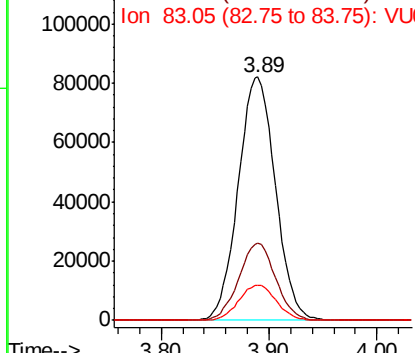
#19
 1,1-Dichloroethane
 Concen: 20.431 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Tot Ion: 63 Resp: 196641
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 14.5 9.9 18.3

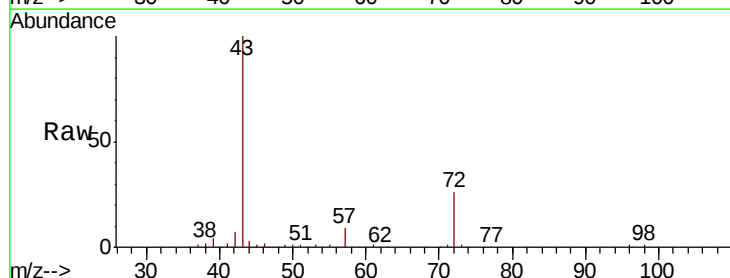


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

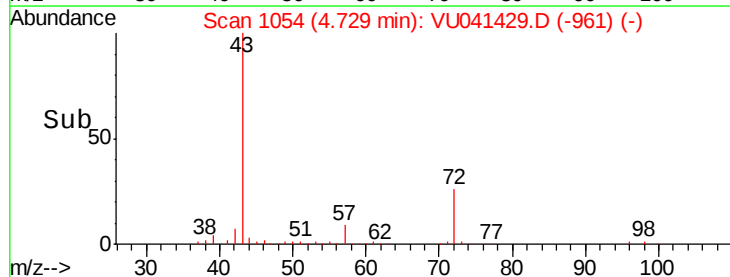
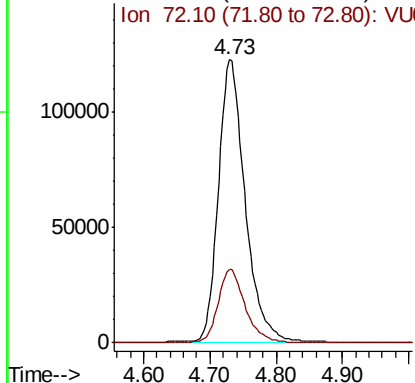


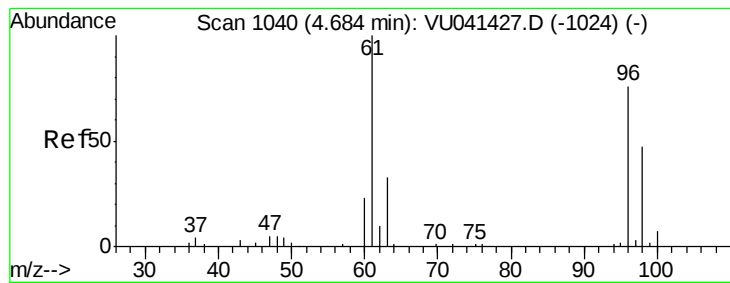
#21
 2-Butanone
 Concen: 183.410 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion: 43 Resp: 341974
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.4 40.1



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





#22

cis-1,2-Dichloroethene

Concen: 22.177 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD020101

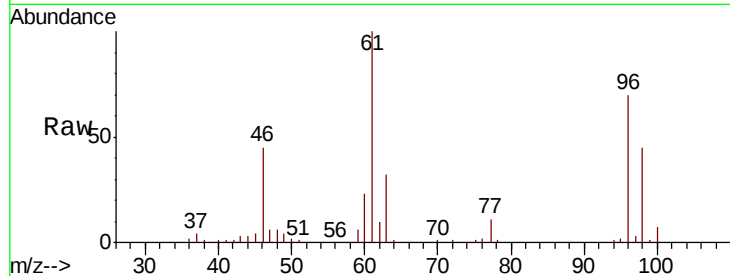
Tot Ion: 96 Resp: 111735

Ion Ratio Lower Upper

96 100

61 142.7 92.3 171.3

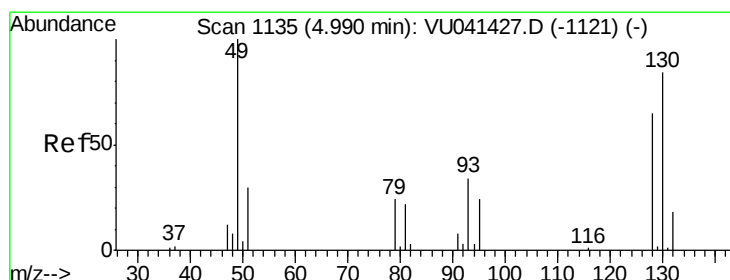
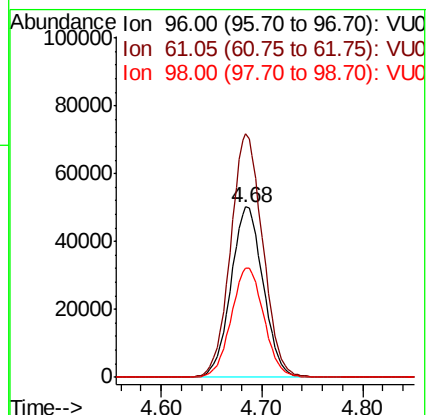
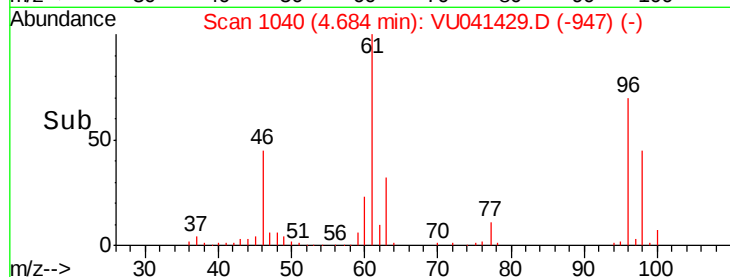
98 64.4 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU041429.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041429.D (-1024) (-)

Ion 98.00 (97.70 to 98.70): VU041429.D (-1024) (-)



#23

Bromochloromethane

Concen: 22.243 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Tgt Ion:128 Resp: 52993

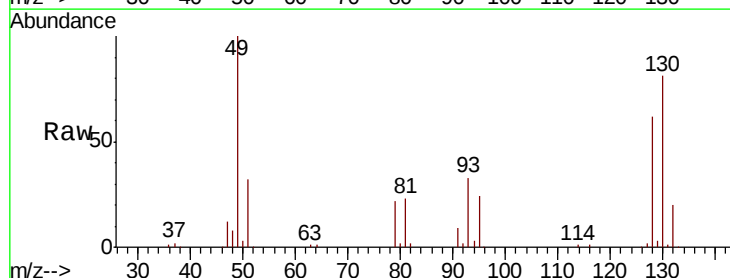
Ion Ratio Lower Upper

128 100

49 162.1 108.4 201.4

130 131.2 91.2 169.4

51 51.1 37.8 56.6

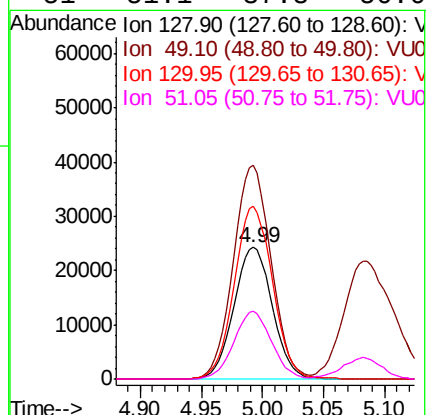
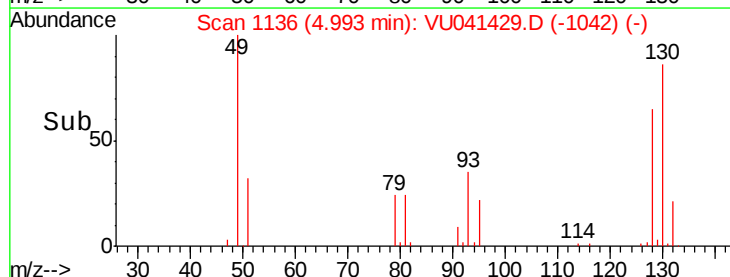


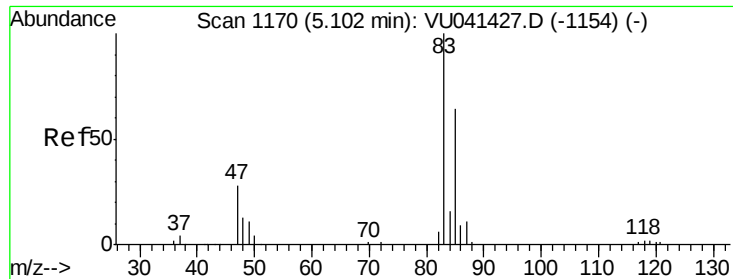
Abundance Ion 127.90 (127.60 to 128.60): VU041429.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU041429.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU041429.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU041429.D (-1121) (-)

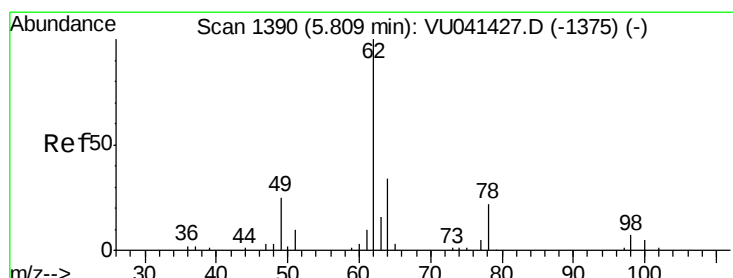
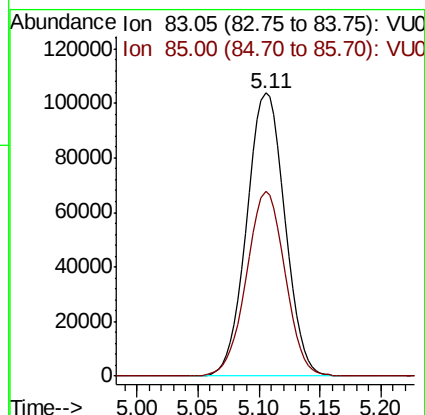
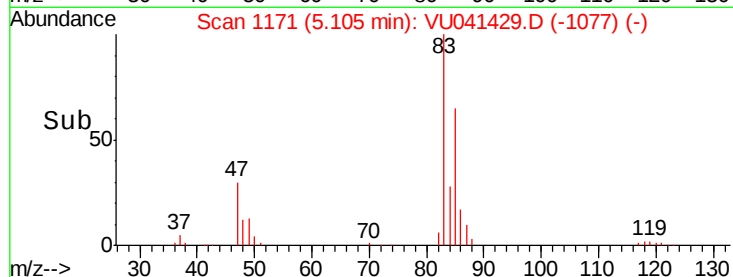
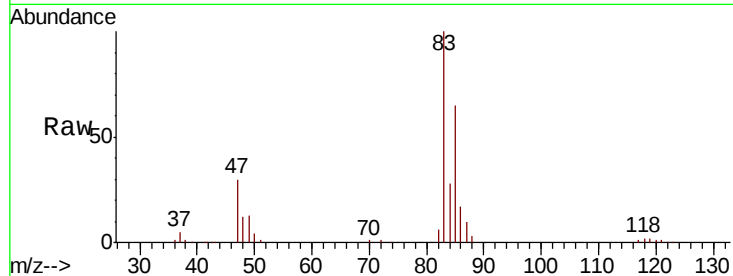




#25
Chloroform
Concen: 22.437 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

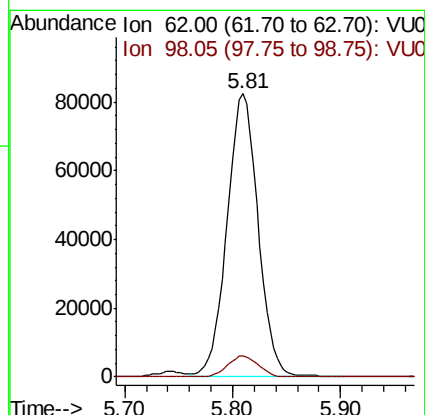
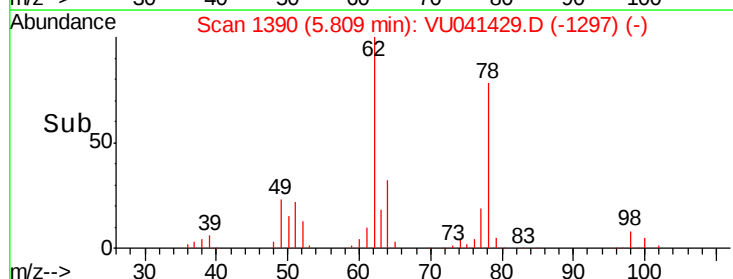
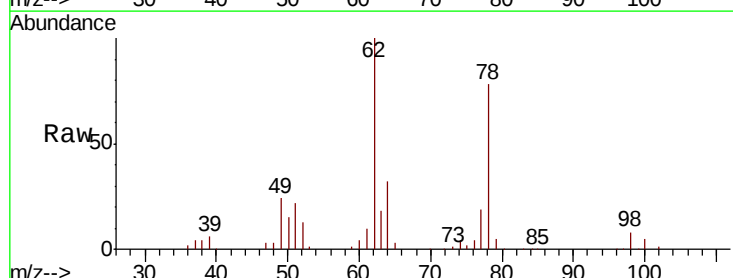
Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

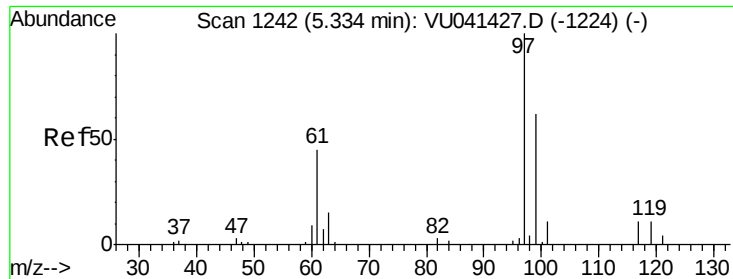
Tot Ion: 83 Resp: 224736
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 22.503 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion: 62 Resp: 165112
Ion Ratio Lower Upper
62 100
98 7.5 5.8 8.6



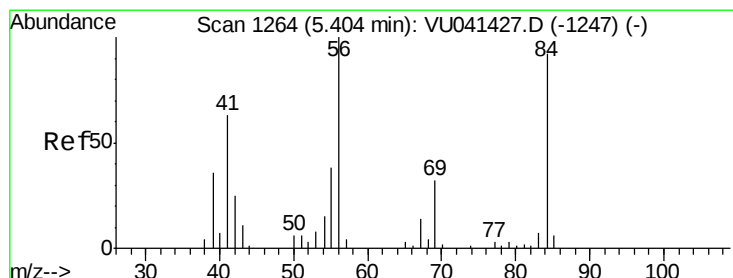
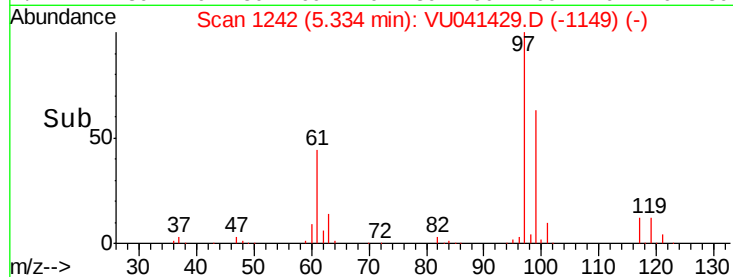
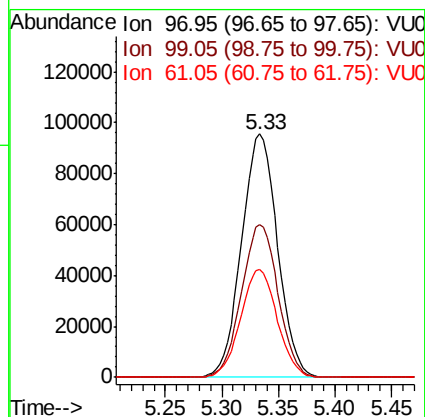
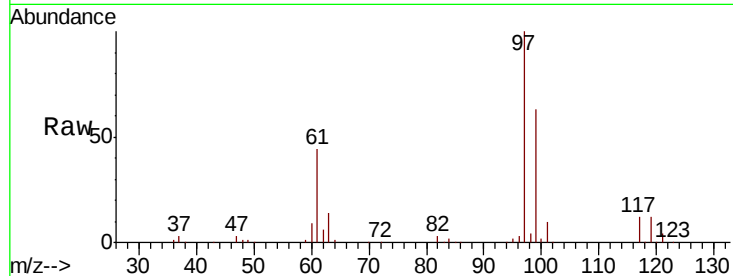


#29
 1,1,1-Trichloroethane
 Concen: 22.295 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Tot Ion: 97 Resp: 211923

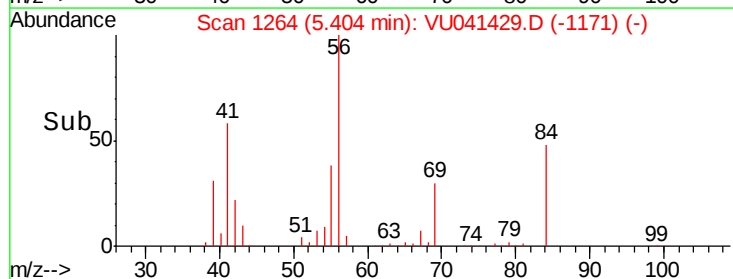
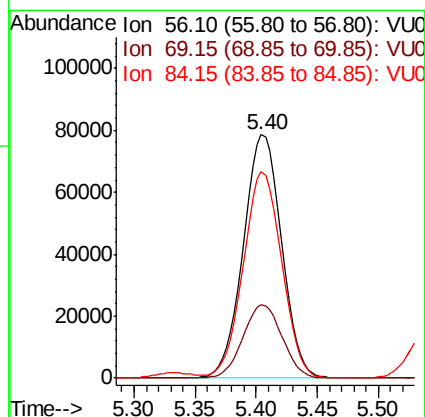
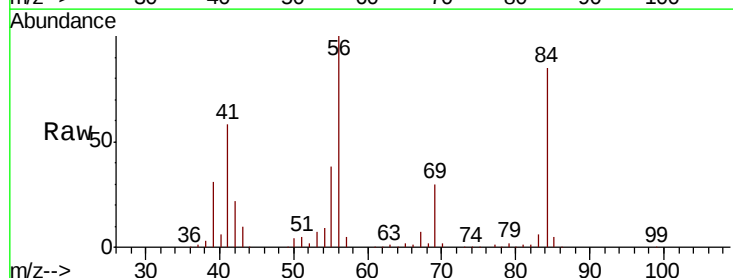
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.7	76.1
61	45.1	36.9	55.3

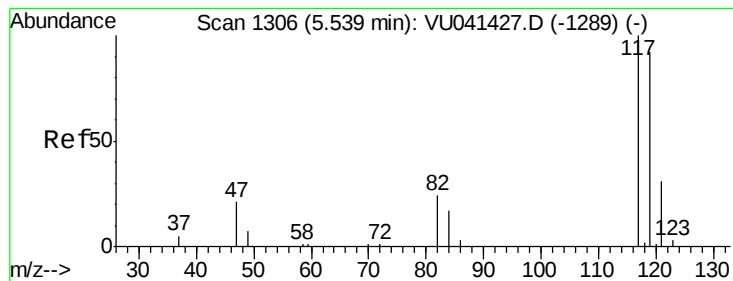


#30
 Cyclohexane
 Concen: 20.482 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion: 56 Resp: 170060

Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.2	37.8
84	85.5	70.8	106.2





#31

Carbon tetrachloride

Concen: 23.554 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

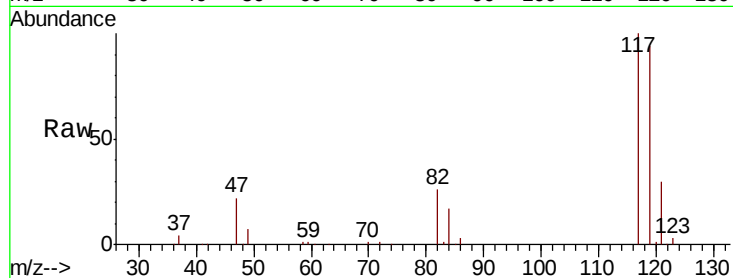
VSTD020101

Tot Ion:117 Resp: 193527

Ion Ratio Lower Upper

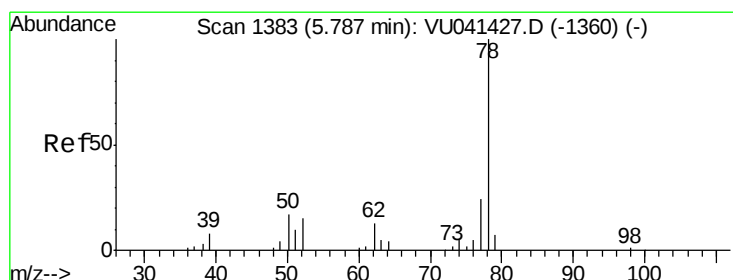
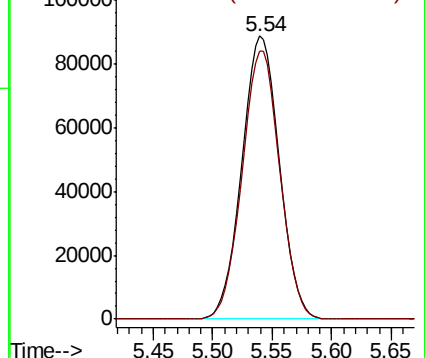
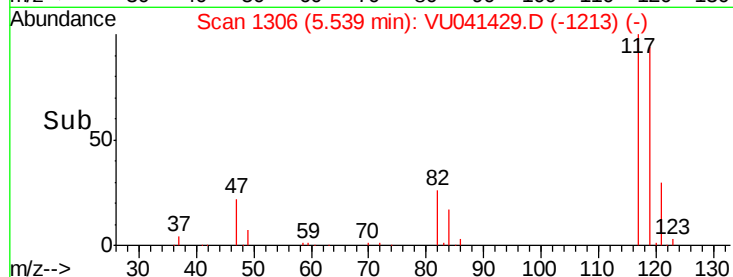
117 100

119 95.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.115 ug/L

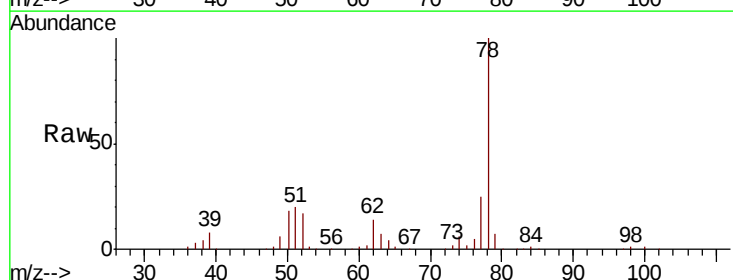
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

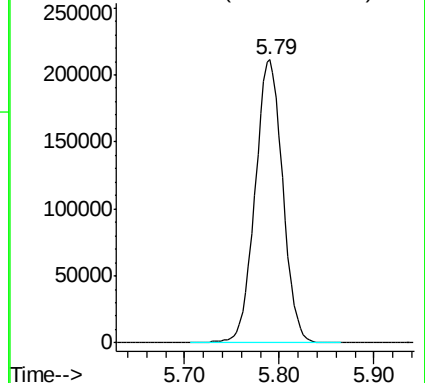
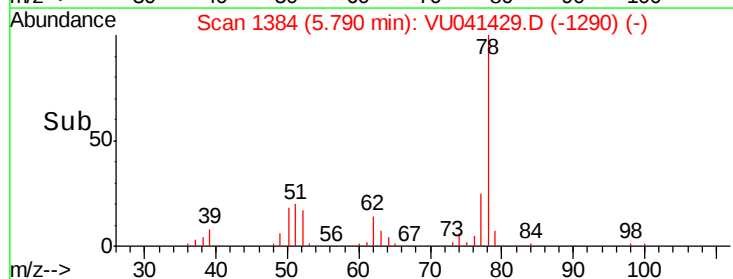
Lab File: VU041429.D

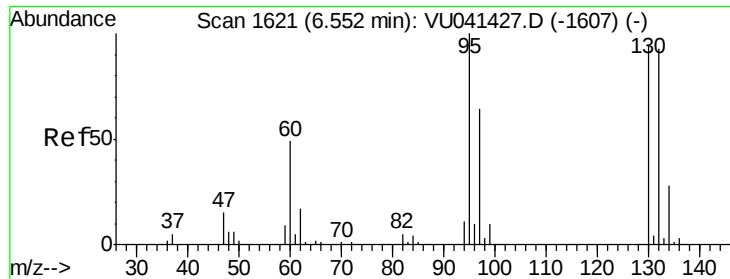
Acq: 25 Nov 2020 13:28

Tgt Ion: 78 Resp: 427460



Abundance Ion 78.10 (77.80 to 78.80): VU0

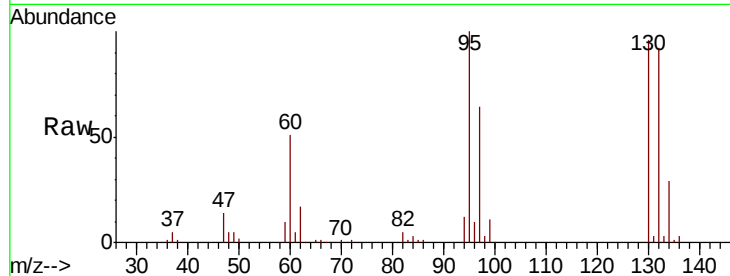




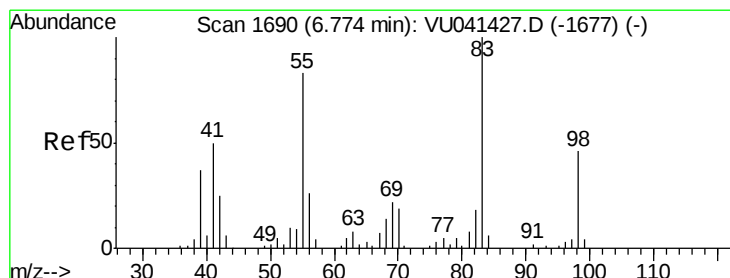
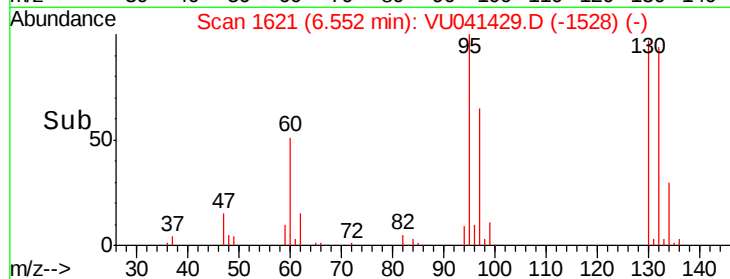
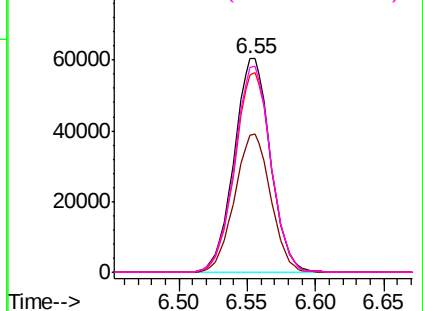
#34
 Trichloroethene
 Concen: 19.369 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Tot Ion: 95 Resp: 111661
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.8 83.2
 132 92.5 64.8 120.4
 130 95.6 65.8 122.2

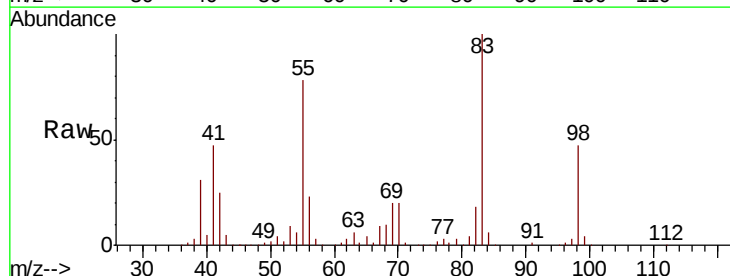


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

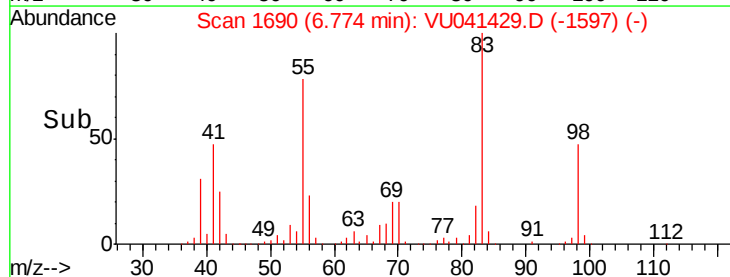
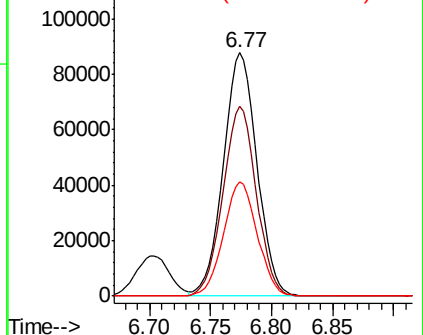


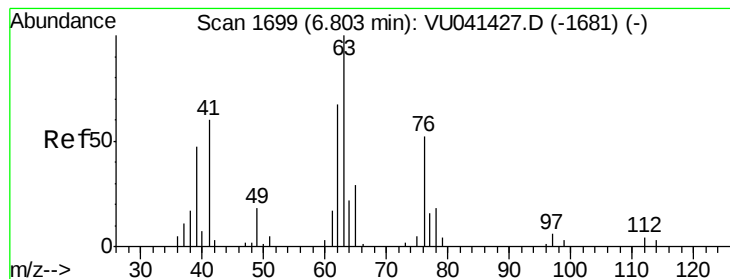
#35
 Methylcyclohexane
 Concen: 21.032 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion: 83 Resp: 169009
 Ion Ratio Lower Upper
 83 100
 55 77.6 66.5 99.7
 98 47.2 36.8 55.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 16.942 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

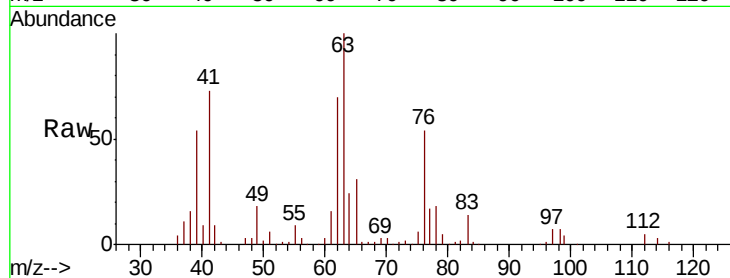
VSTD020101

Tot Ion: 63 Resp: 100763

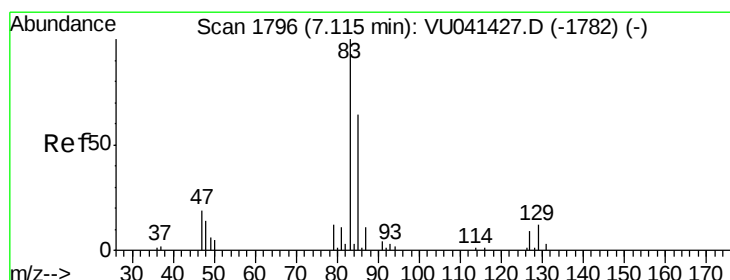
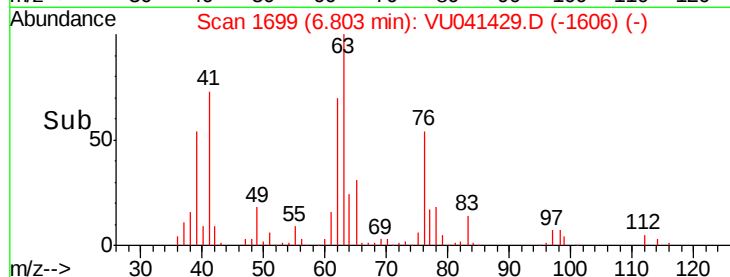
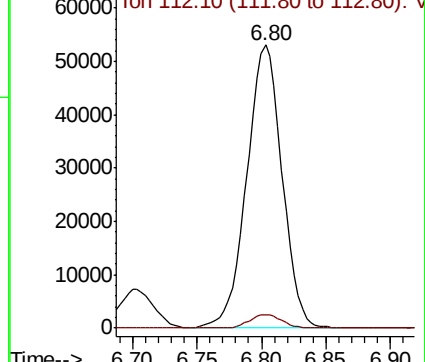
Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VU041429.D (-1606) (-)



#38

Bromodichloromethane

Concen: 21.393 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

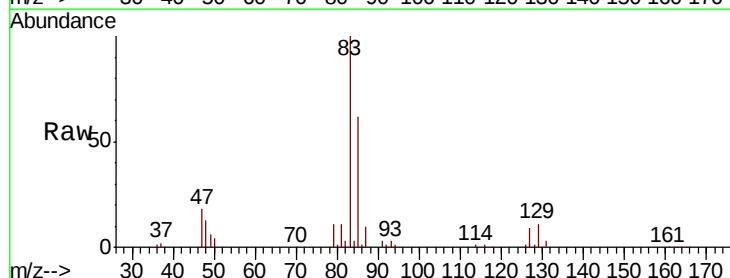
Tgt Ion: 83 Resp: 166142

Ion Ratio Lower Upper

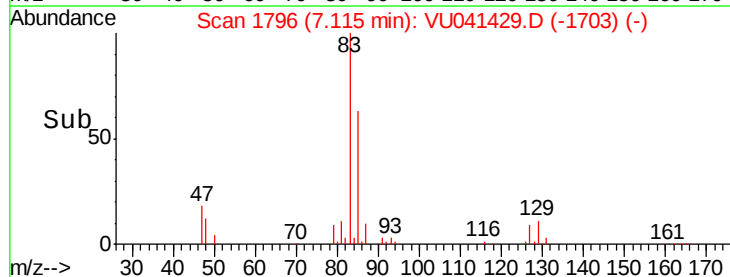
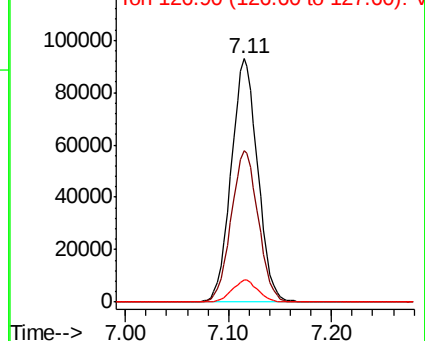
83 100

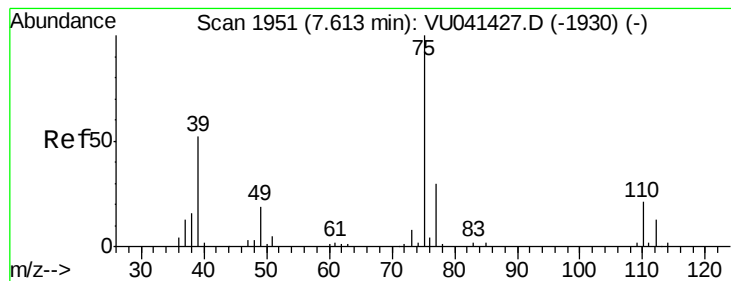
85 62.4 44.7 83.1

127 9.1 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VU041429.D (-1703) (-)



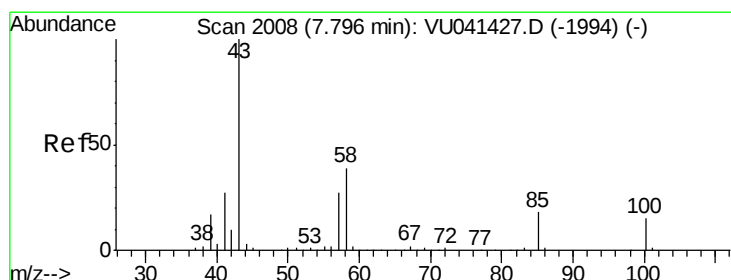
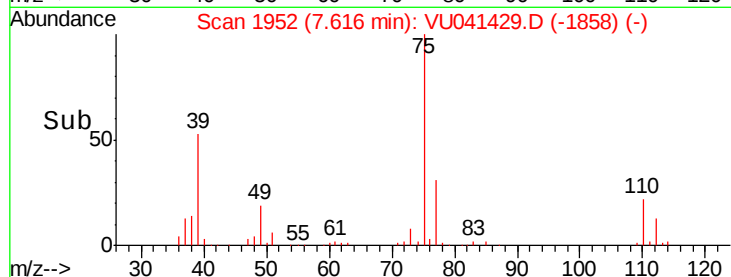
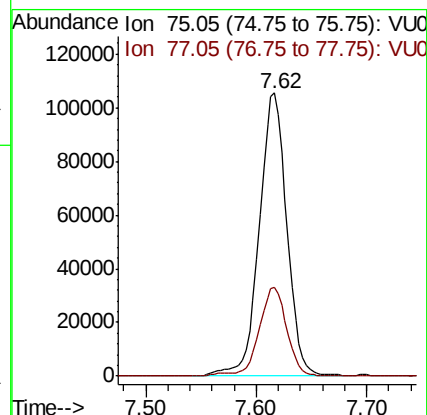
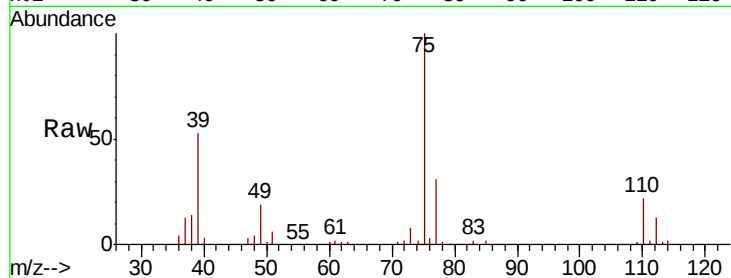


#39

cis-1,3-Dichloropropene
Concen: 22.418 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

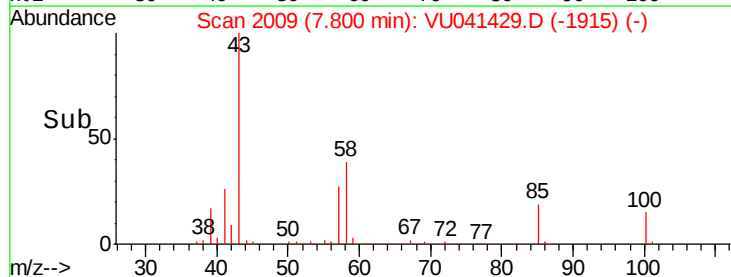
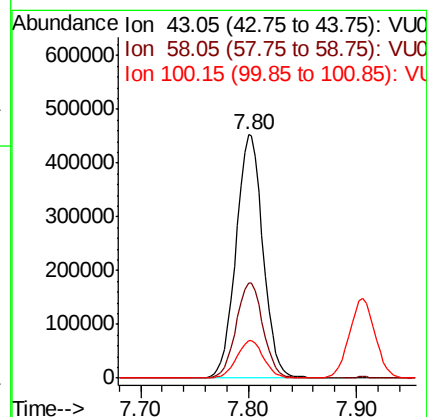
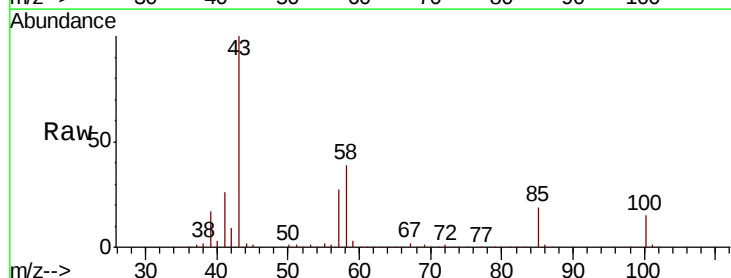
Tot Ion: 75 Resp: 183426
Ion Ratio Lower Upper
75 100
77 31.4 21.0 39.0

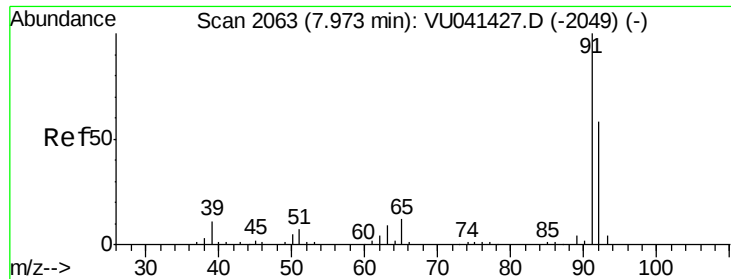


#40

4-Methyl-2-pentanone
Concen: 177.433 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion: 43 Resp: 784528
Ion Ratio Lower Upper
43 100
58 39.2 31.0 46.6
100 15.4 12.0 18.0





#42

Toluene

Concen: 21.048 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

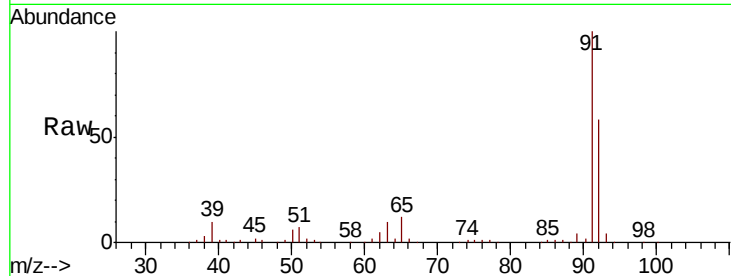
VSTD020101

Tot Ion: 91 Resp: 460670

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

250000

200000

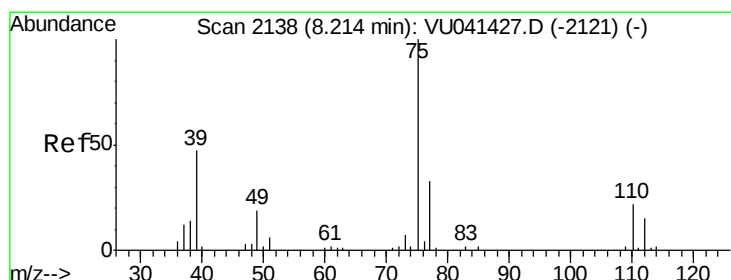
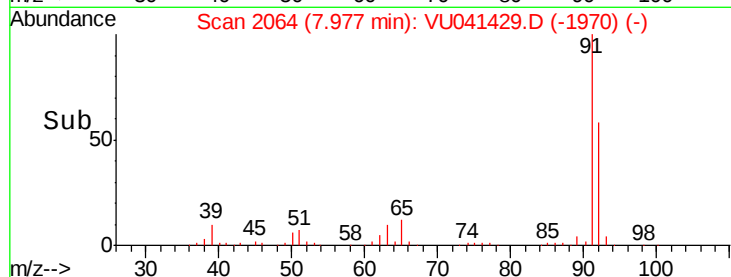
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.567 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041429.D

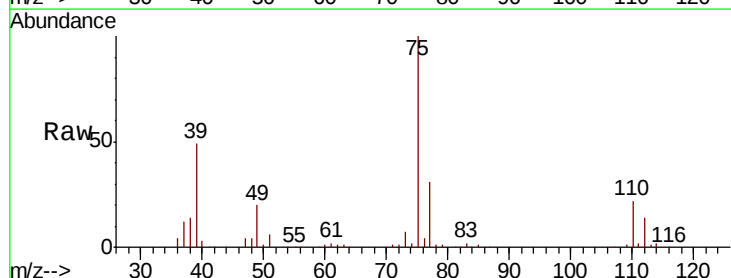
Acq: 25 Nov 2020 13:28

Tgt Ion: 75 Resp: 173186

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

120000

100000

80000

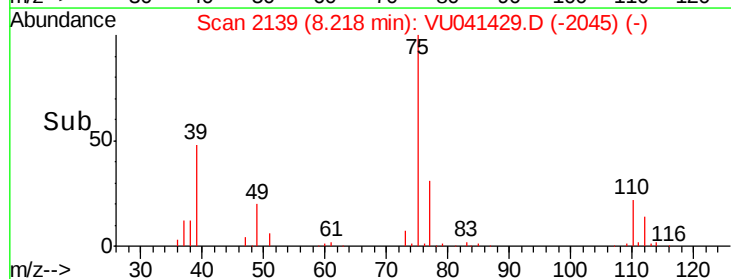
60000

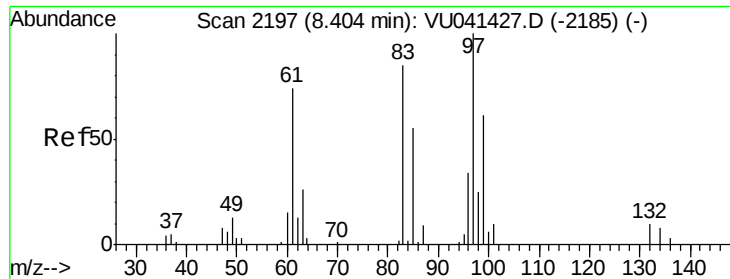
40000

20000

0

Time-->

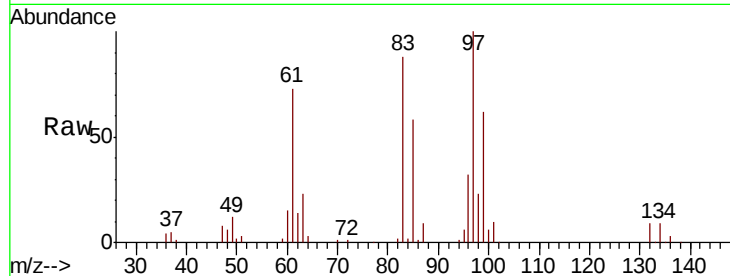




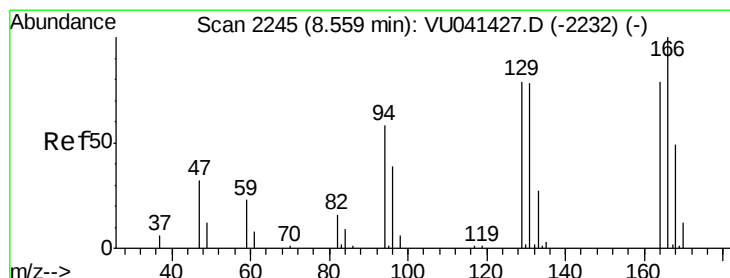
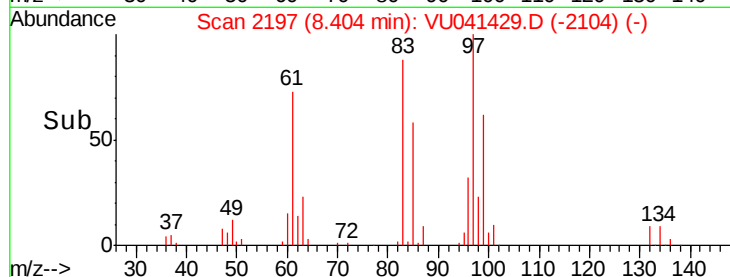
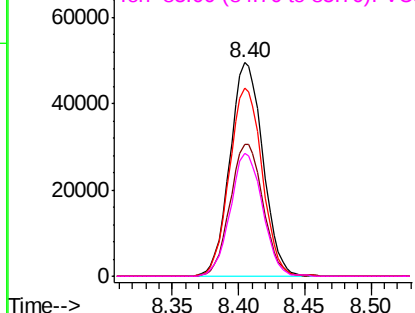
#45
1,1,2-Trichloroethane
Concen: 19.893 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

Tot Ion:	97	Resp:	85520
Ion	Ratio	Lower	Upper
97	100		
99	61.8	42.5	78.9
83	87.8	59.8	111.1
85	57.5	38.1	70.9

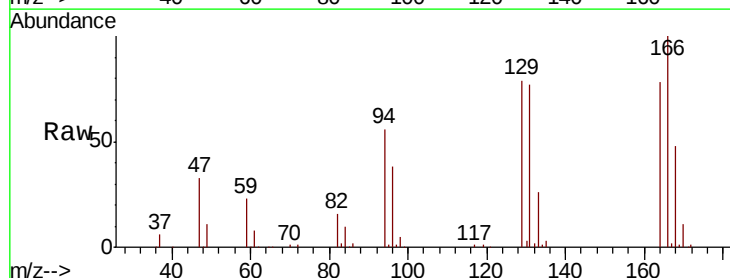


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

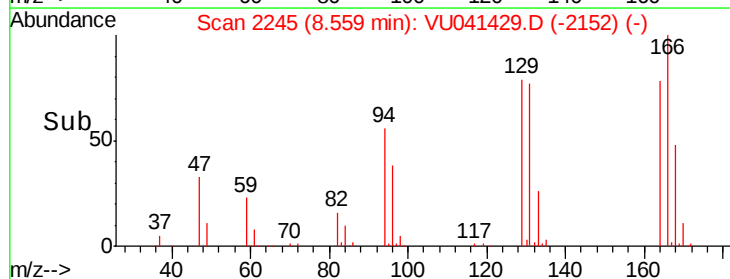
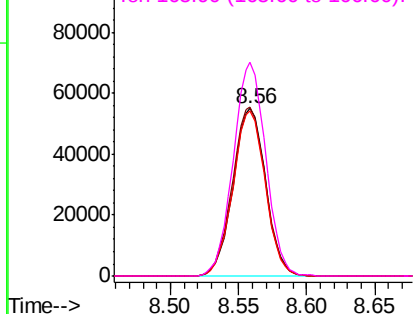


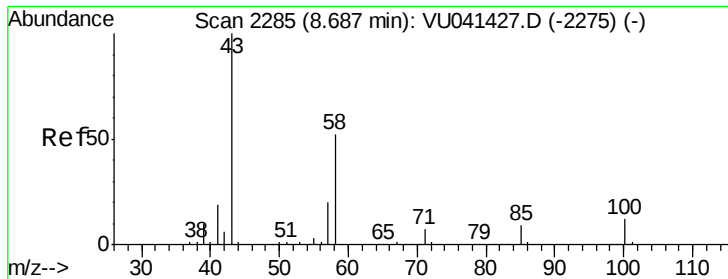
#47
Tetrachloroethene
Concen: 22.622 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion:	164	Resp:	91436
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.0	130.0
131	98.3	68.6	127.4
166	127.5	88.3	164.1



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

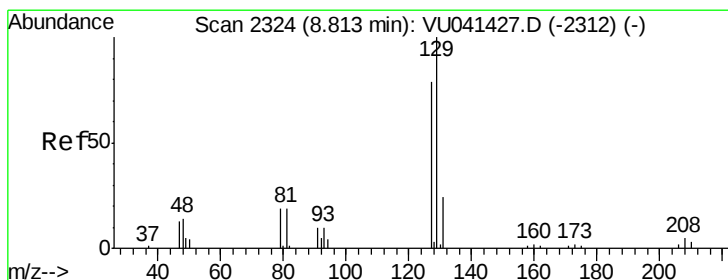
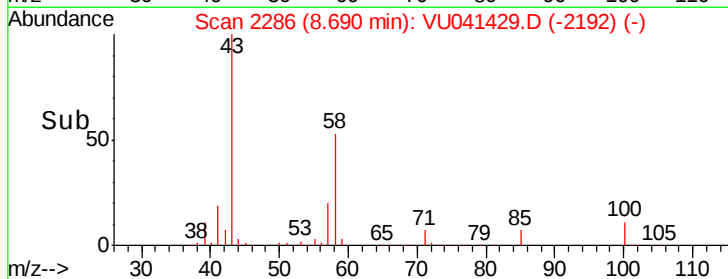
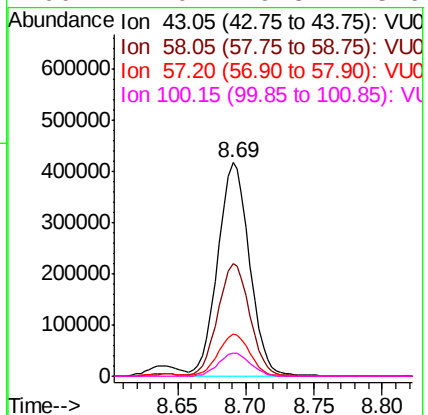
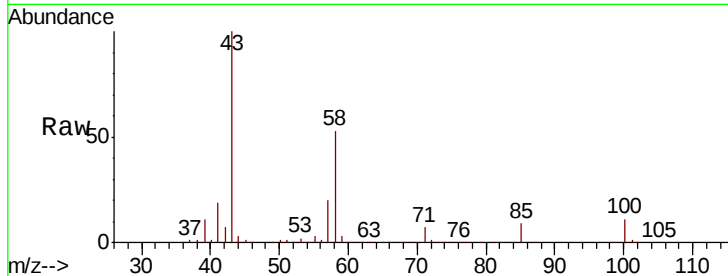




#48
2-Hexanone
Concen: 203.532 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

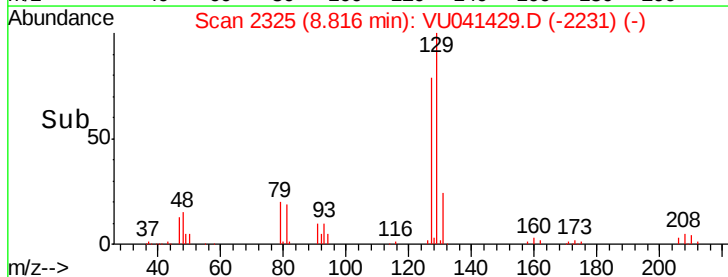
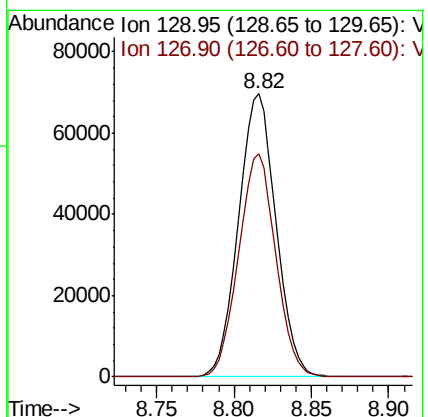
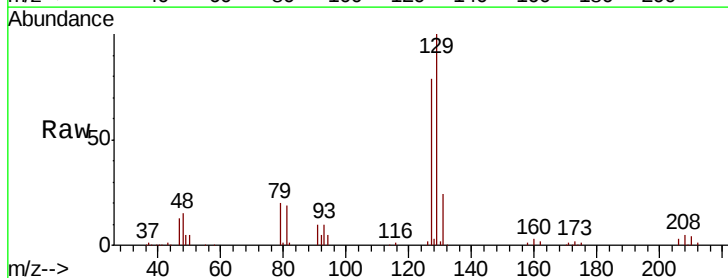
Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

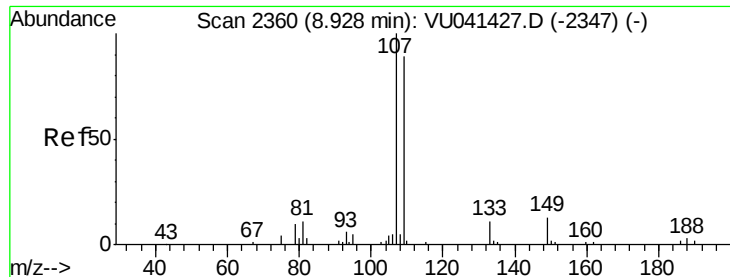
Tot Ion:	43	Resp:	675097
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.0	63.0
57	19.7	16.0	24.0
100	11.0	9.3	13.9



#49
Dibromochloromethane
Concen: 22.671 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion:	129	Resp:	117497
Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.5	103.1

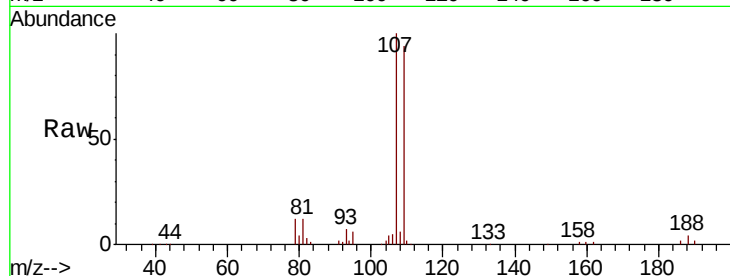




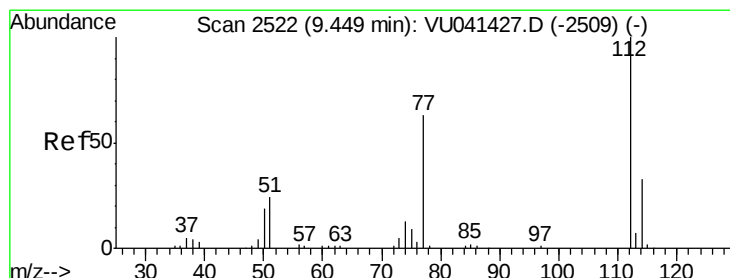
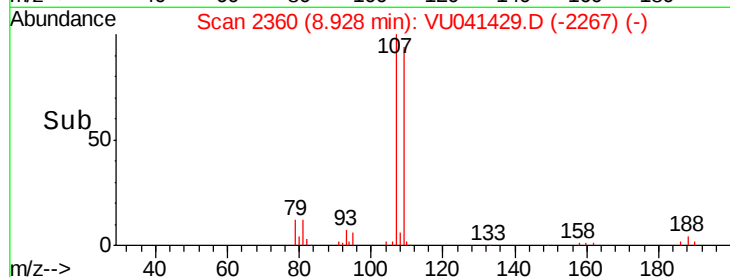
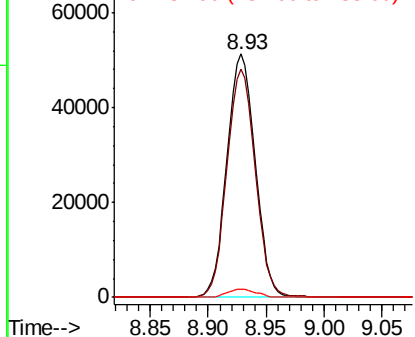
#50
1,2-Dibromoethane
Concen: 21.043 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

Tot Ion:107 Resp: 86396
Ion Ratio Lower Upper
107 100
109 93.6 62.6 116.3
188 3.5 2.6 4.0

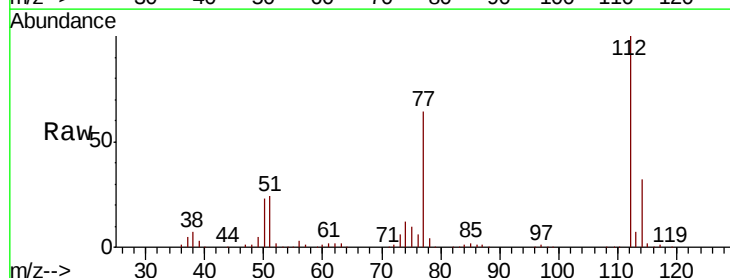


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

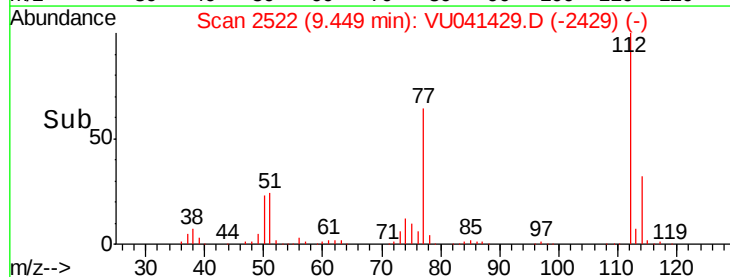
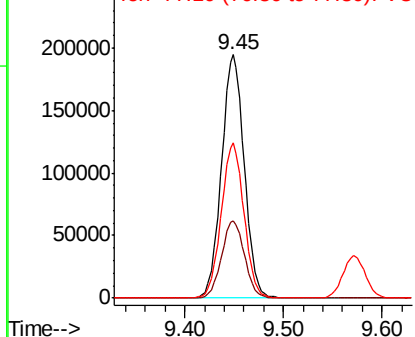


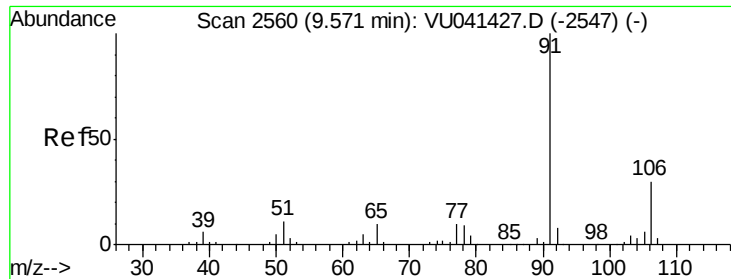
#51
Chlorobenzene
Concen: 22.549 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion:112 Resp: 314924
Ion Ratio Lower Upper
112 100
114 31.9 23.4 43.6
77 63.5 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: 25.441 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

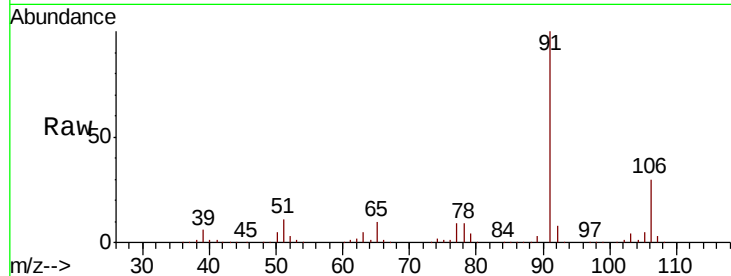
VSTD020101

Tot Ion: 91 Resp: 577972

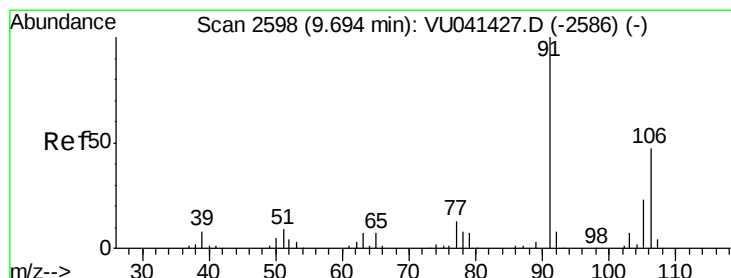
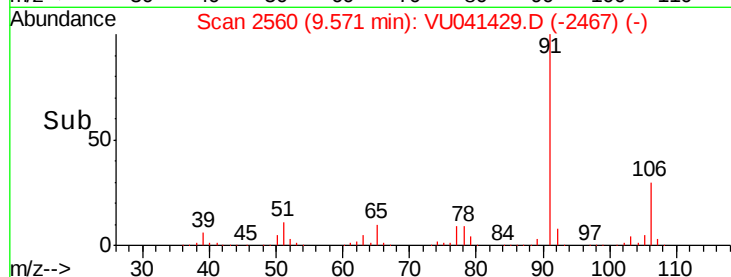
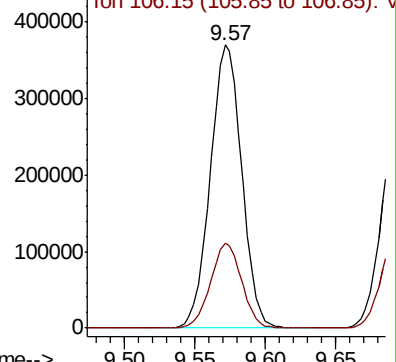
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041429.D (-2547) (-)



#53

m,p-Xylene

Concen: 25.958 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041429.D

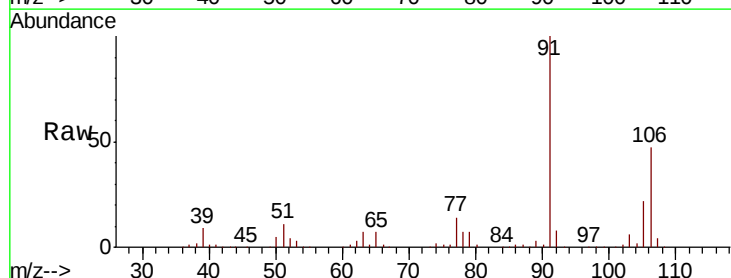
Acq: 25 Nov 2020 13:28

Tgt Ion: 106 Resp: 214821

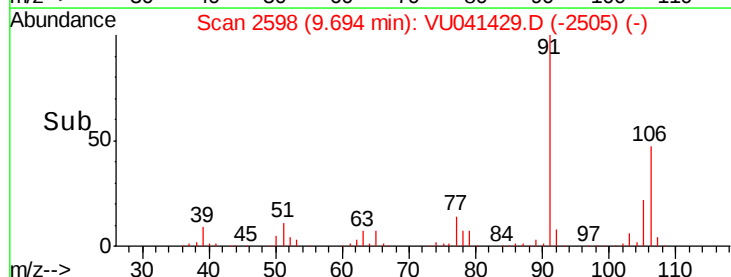
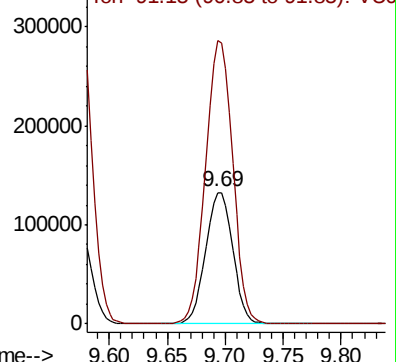
Ion Ratio Lower Upper

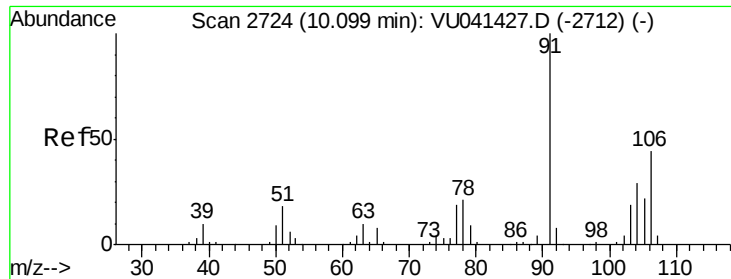
106 100

91 214.9 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): VU041429.D (-2586) (-)

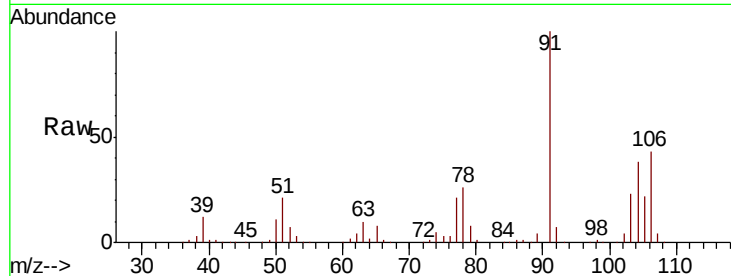




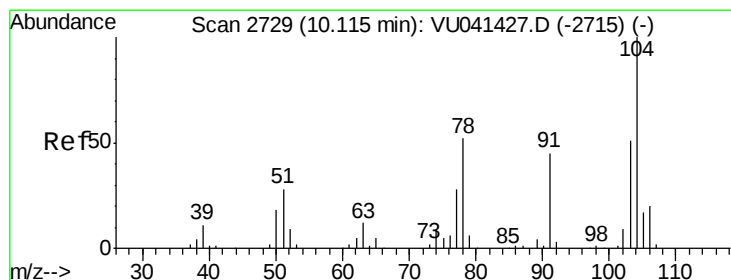
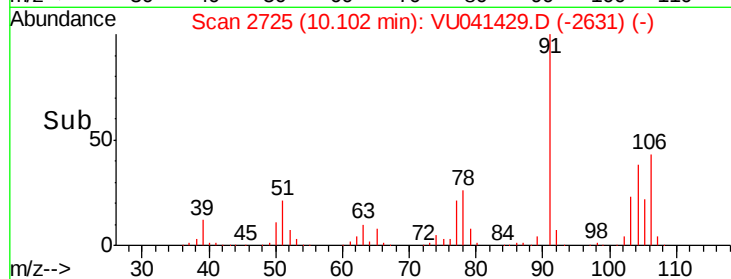
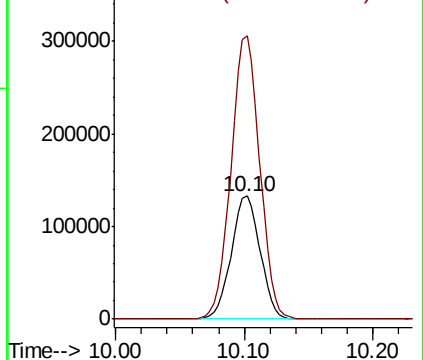
#54
o-Xylene
Concen: 25.979 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD020101

Tot Ion:106 Resp: 206343
Ion Ratio Lower Upper
106 100
91 230.4 159.3 295.9

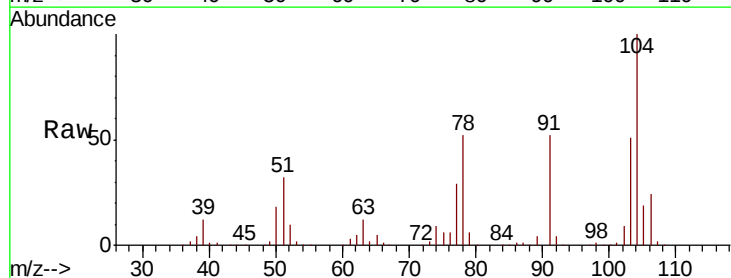


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

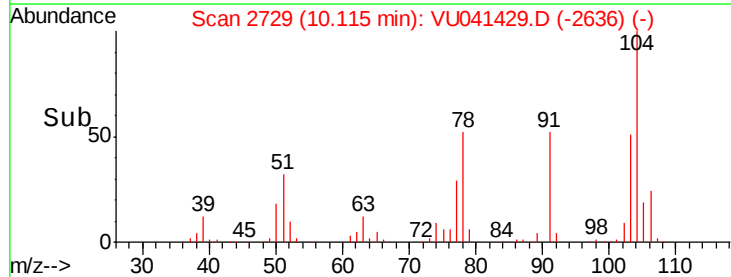
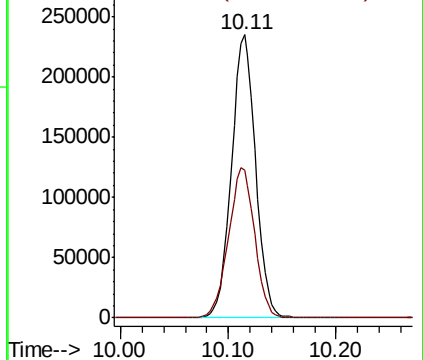


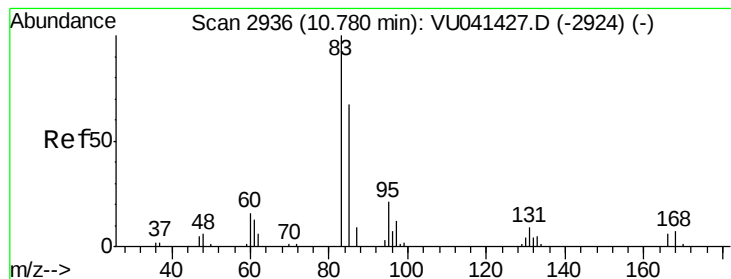
#55
Styrene
Concen: 26.602 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041429.D
Acq: 25 Nov 2020 13:28

Tgt Ion:104 Resp: 366158
Ion Ratio Lower Upper
104 100
78 52.0 36.4 67.6



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





#57

1,1,2,2-Tetrachloroethane

Concen: 21.276 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD020101

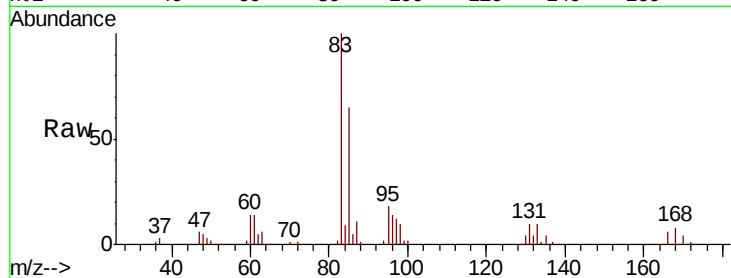
Tot Ion: 83 Resp: 118387

Ion	Ratio	Lower	Upper
83	100		
85	64.9	47.2	87.6
131	9.6	8.3	12.5

83 100

85 64.9 47.2 87.6

131 9.6 8.3 12.5

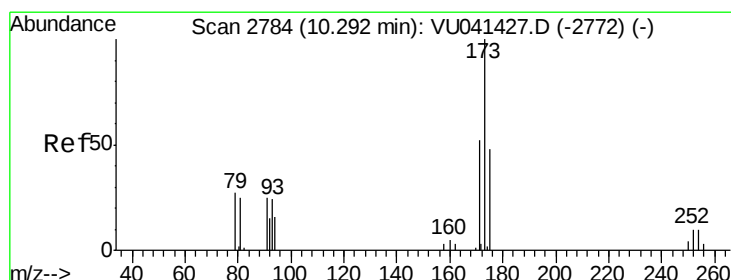
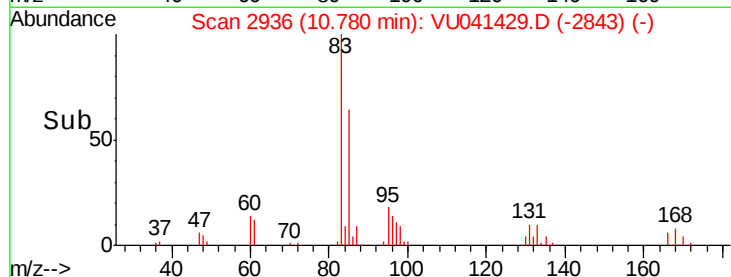
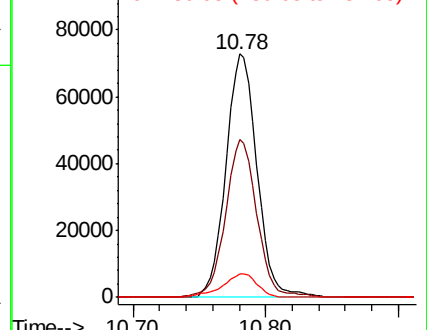


Abundance

Ion 82.95 (82.65 to 83.65): VU041429.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU041429.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU041429.D (-2924) (-)



#59

Bromoform

Concen: 21.624 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

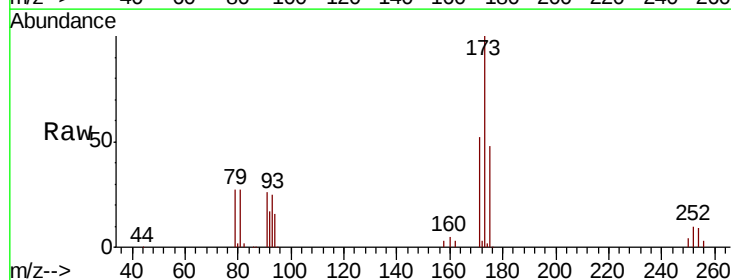
Tgt Ion: 173 Resp: 69499

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.1	58.7
254	9.1	7.2	10.8

173 100

175 48.3 39.1 58.7

254 9.1 7.2 10.8

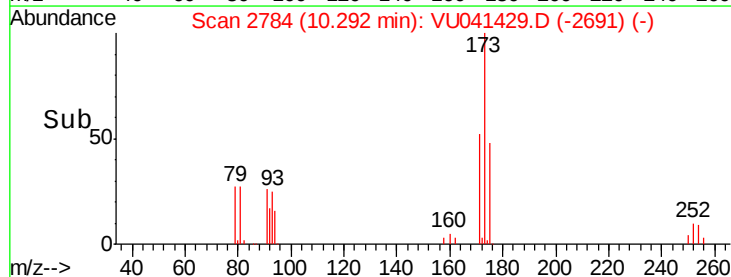
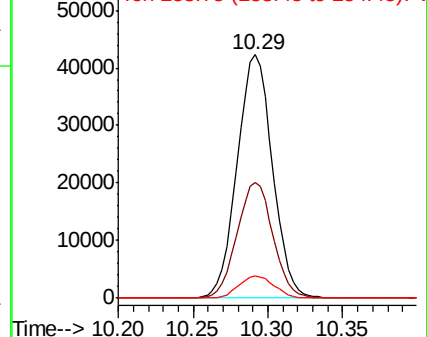


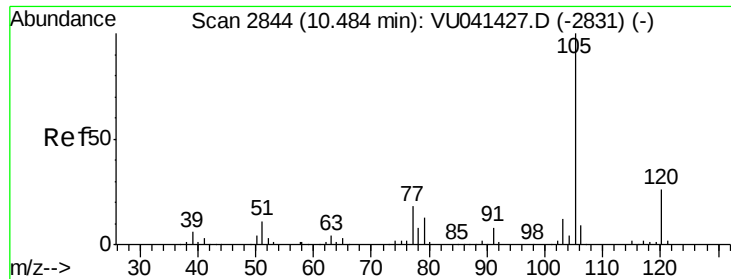
Abundance

Ion 172.90 (172.60 to 173.60): VU041429.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041429.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041429.D (-2772) (-)





#60

Isopropylbenzene

Concen: 24.628 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD020101

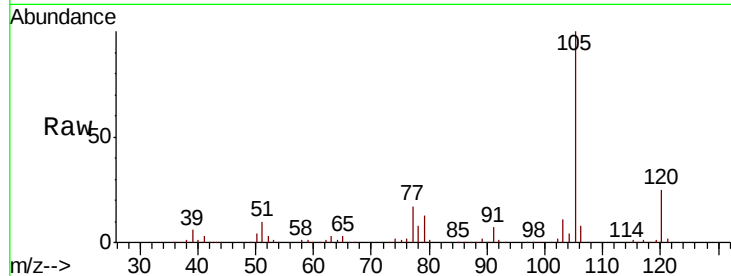
Tot Ion:105 Resp: 585433

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.4

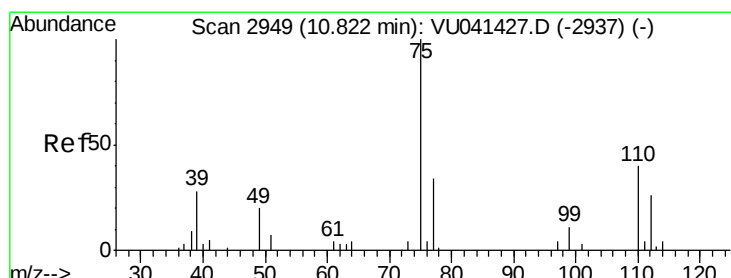
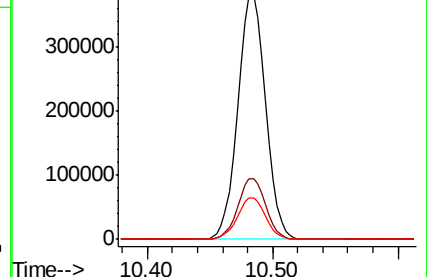
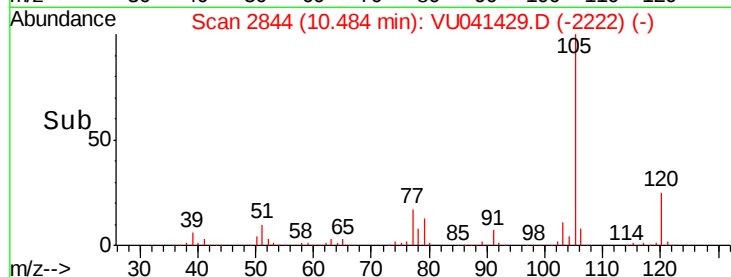
77 17.1 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 18.853 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

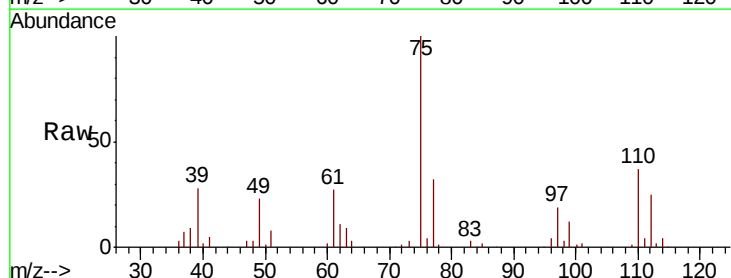
Tgt Ion: 75 Resp: 90576

Ion Ratio Lower Upper

75 100

110 37.3 31.0 46.4

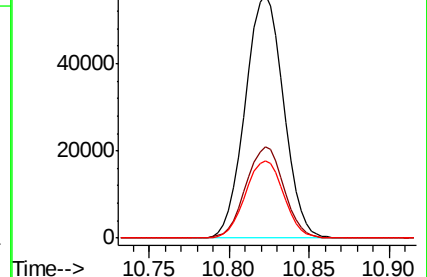
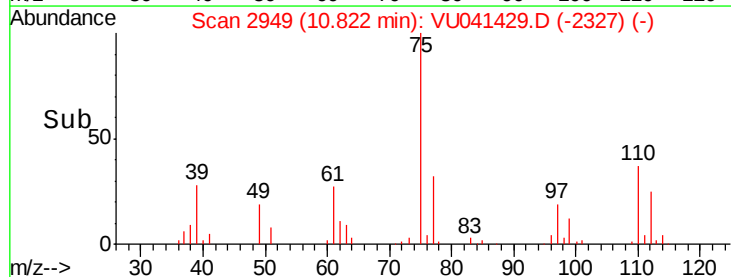
77 31.9 26.0 39.0

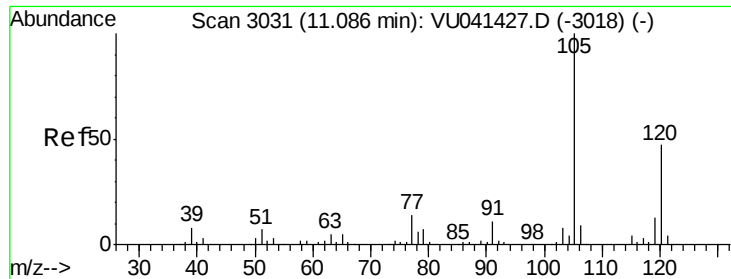


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

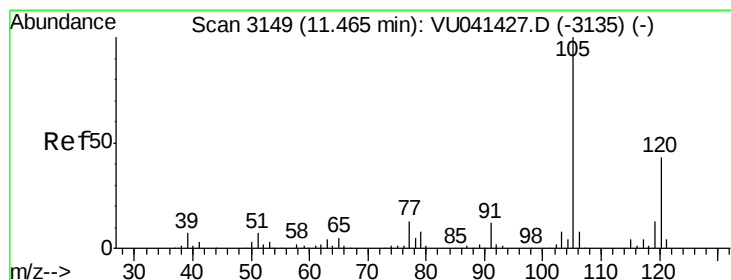
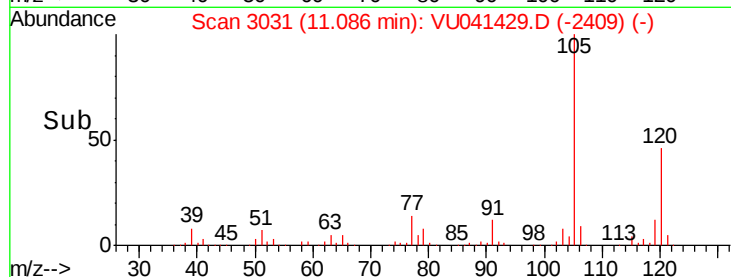
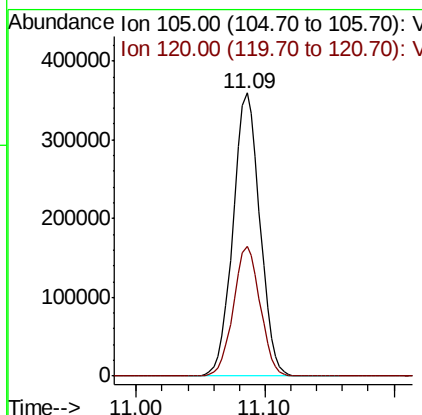
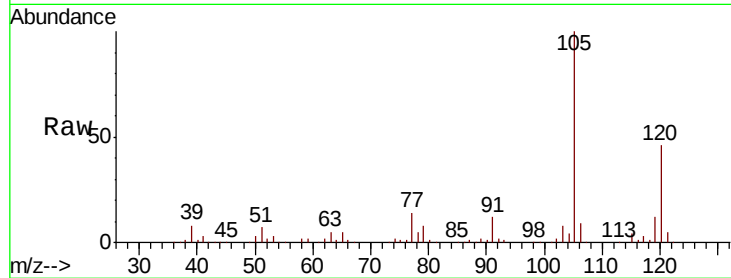




#62
 1,3,5-Trimethylbenzene
 Concen: 26.431 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

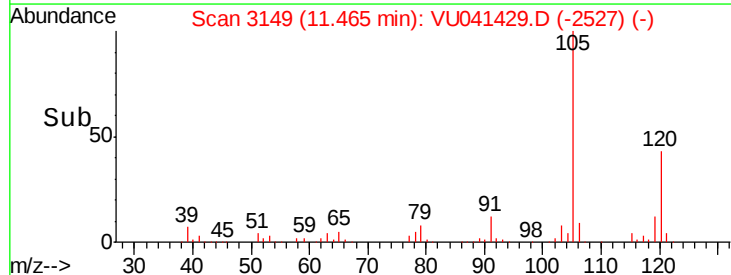
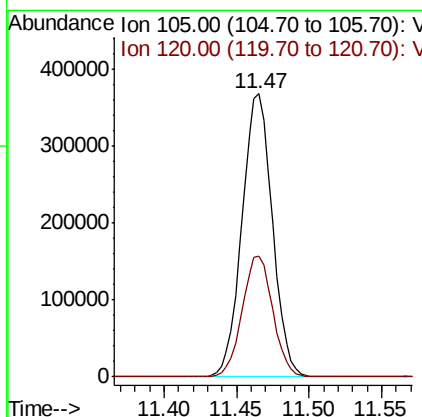
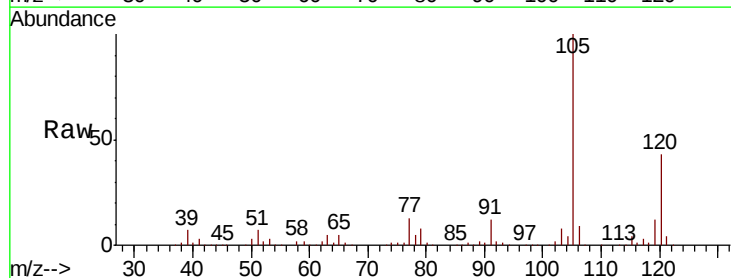
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

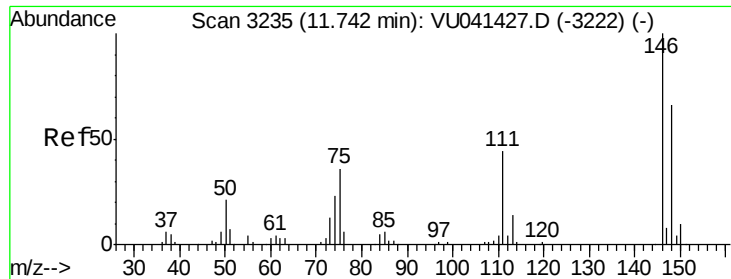
Tot Ion:105 Resp: 518873
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 27.048 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion:105 Resp: 536093
 Ion Ratio Lower Upper
 105 100
 120 43.0 34.6 51.8

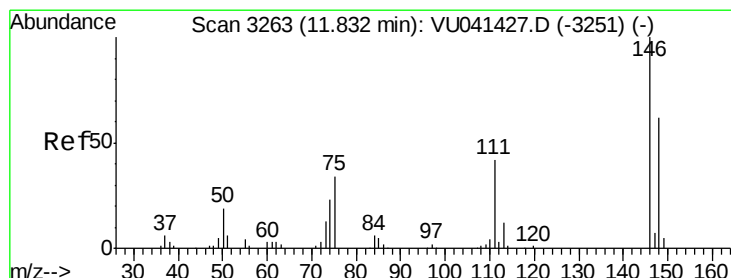
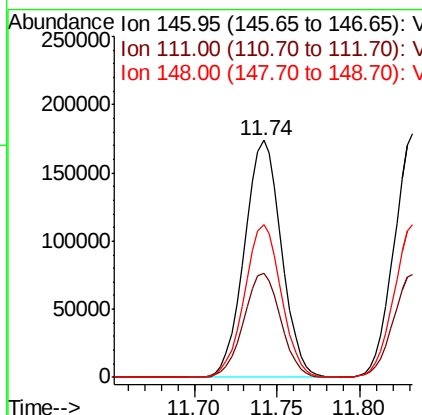
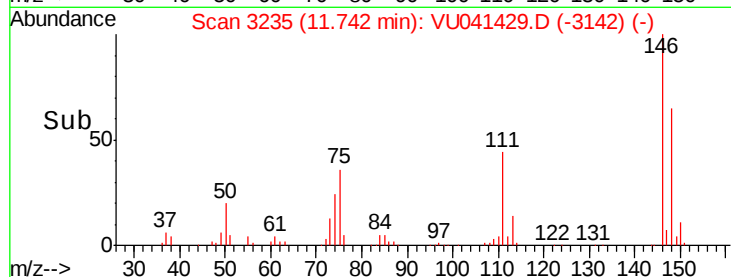
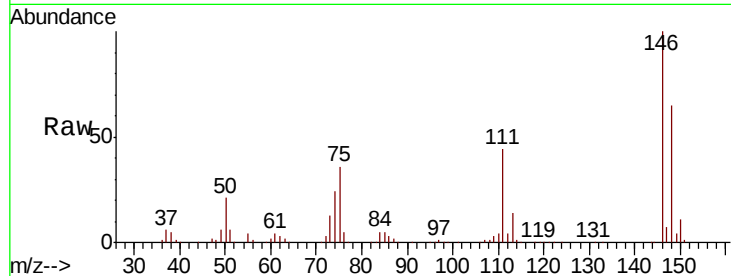




#64
 1,3-Dichlorobenzene
 Concen: 22.344 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

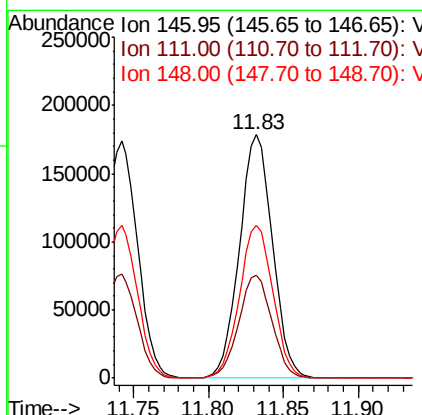
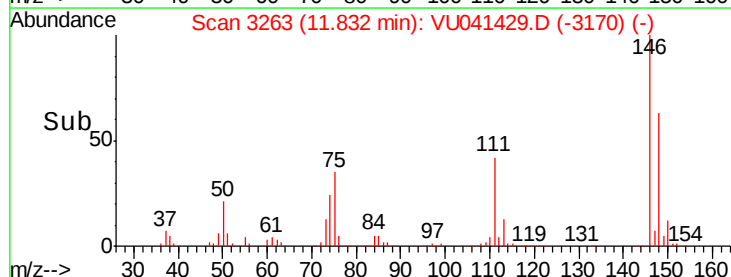
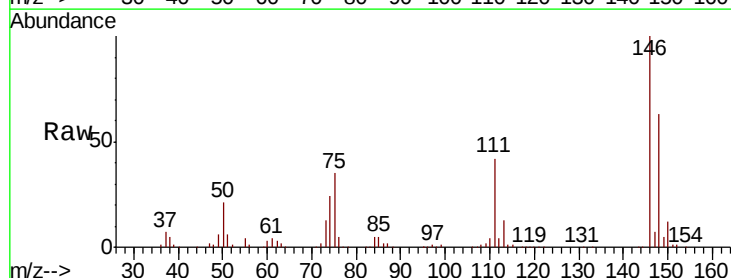
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

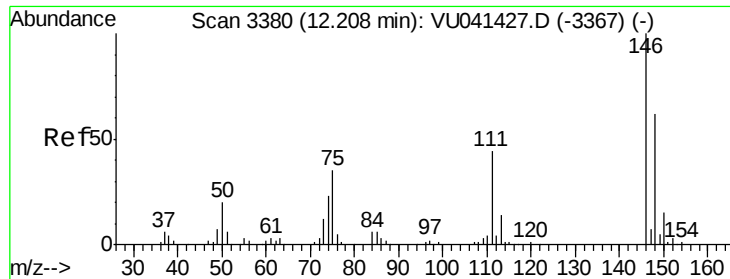
Tot Ion:146 Resp: 269309
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.4 56.5
 148 64.6 46.3 85.9



#65
 1,4-Dichlorobenzene
 Concen: 22.347 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion:146 Resp: 274572
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.5 54.9
 148 62.9 43.3 80.5

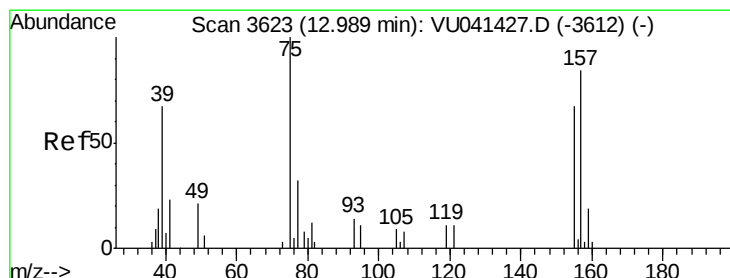
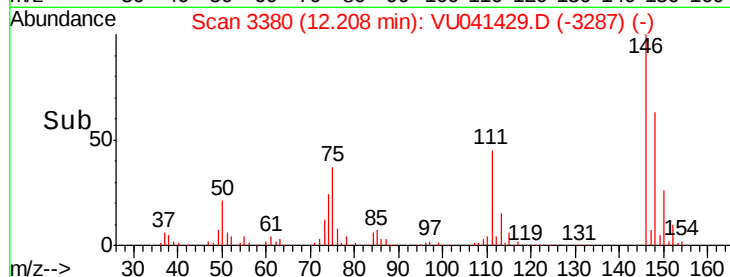
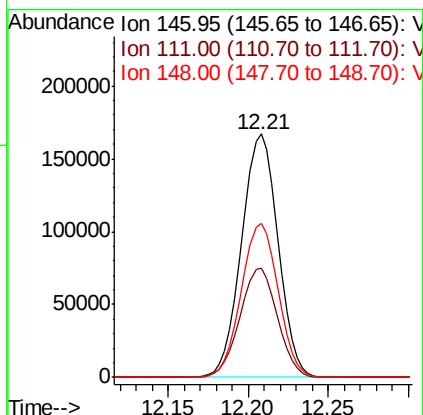
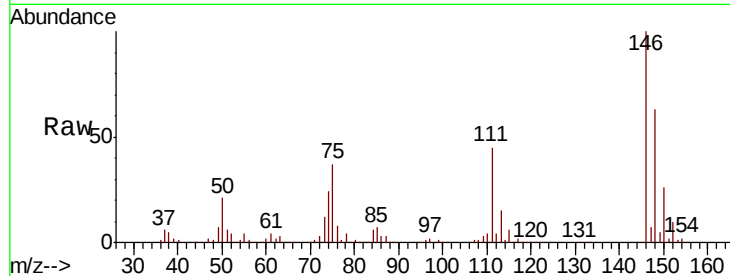




#67
 1,2-Dichlorobenzene
 Concen: 22.099 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

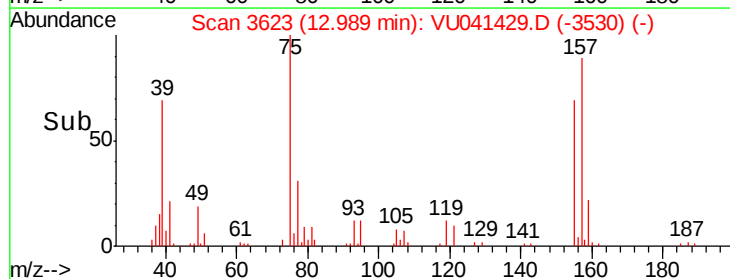
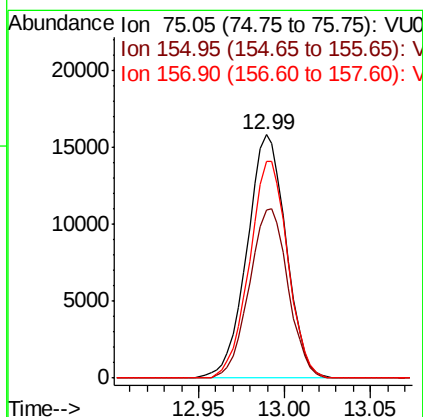
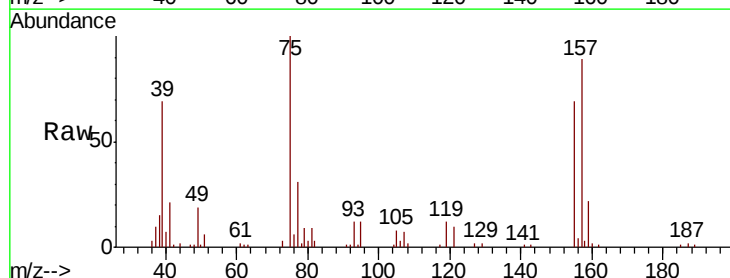
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

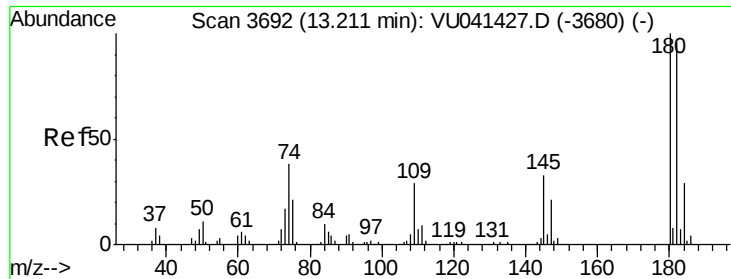
Tot Ion:146 Resp: 259362
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.4 53.2
 148 63.2 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 21.656 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion: 75 Resp: 24893
 Ion Ratio Lower Upper
 75 100
 155 68.9 53.8 80.6
 157 89.0 67.5 101.3

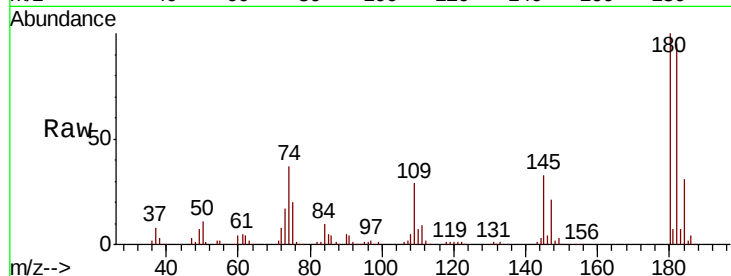




#69
 1,3,5-Trichlorobenzene
 Concen: 24.928 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020101

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	31.0	24.2	36.2
145	33.1	26.5	39.7



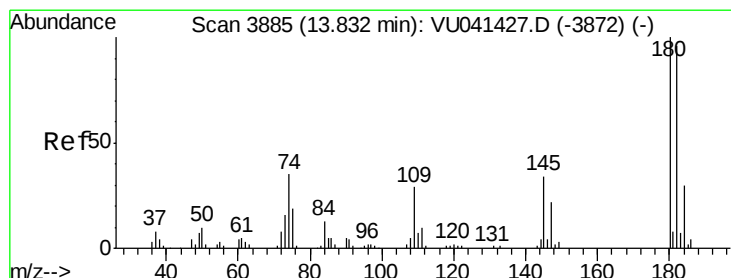
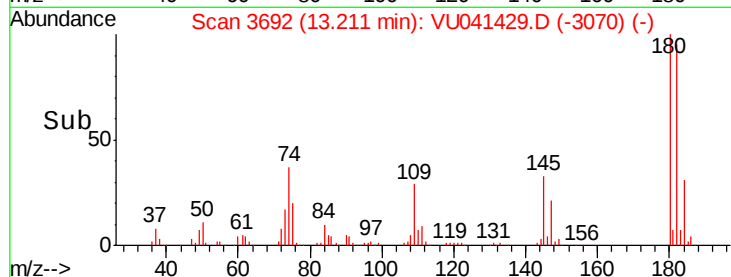
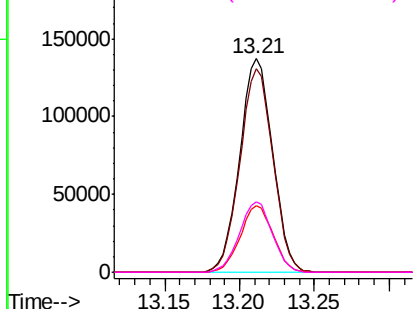
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

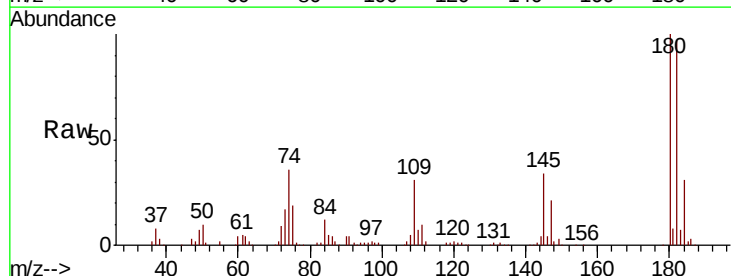
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.697 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041429.D
 Acq: 25 Nov 2020 13:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	33.2	26.6	39.8

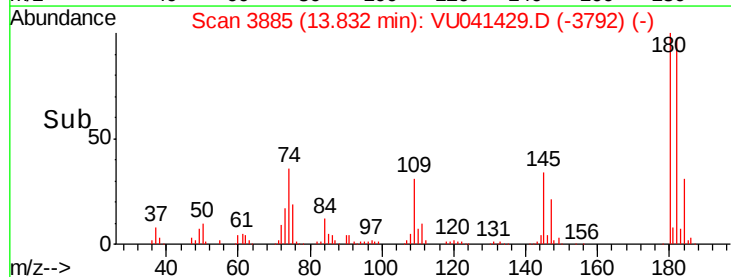
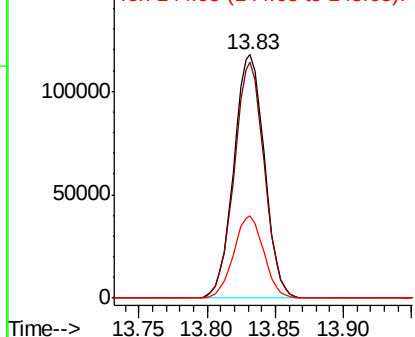


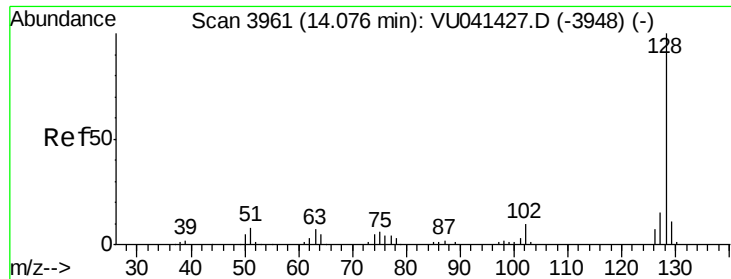
Abundance

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





#71

Naphthalene

Concen: 27.814 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD020101

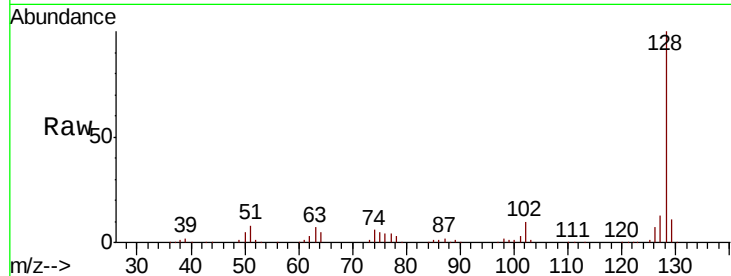
Tot Ion:128 Resp: 349183

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

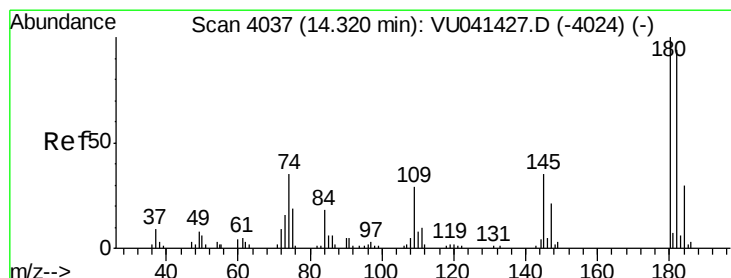
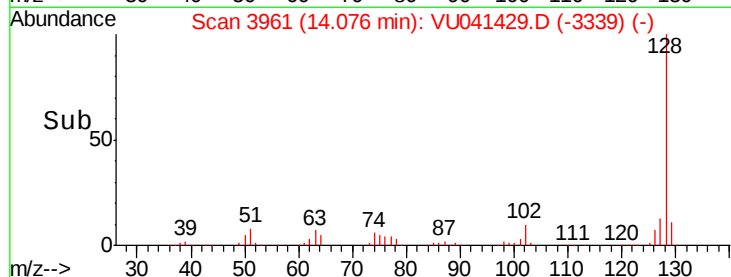
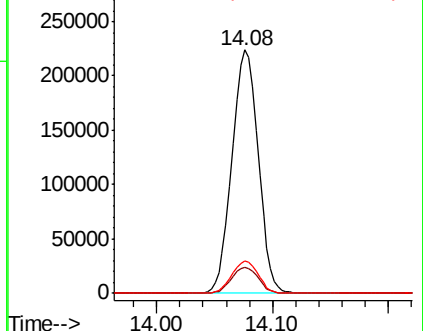
127 13.3 11.3 16.9



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



#72

1,2,3-Trichlorobenzene

Concen: 24.878 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041429.D

Acq: 25 Nov 2020 13:28

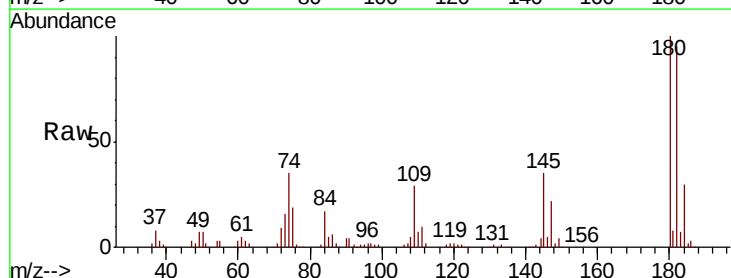
Tgt Ion:180 Resp: 165709

Ion Ratio Lower Upper

180 100

182 94.8 75.5 113.3

145 35.3 28.1 42.1



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

