

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
 Data File : VU040530.D
 Acq On : 06 Oct 2020 16:01
 Operator : SY/MD
 Sample : VU1006WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK203

Quant Time: Oct 07 08:12:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	286786	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	281825	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	128418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	111660	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.68%
7) Chloroethane-d5	1.92	69	88188	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.58	63	161568	34.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.76%
21) 2-Butanone-d5	4.63	46	180396	92.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.29%
24) Chloroform-d	5.08	84	194004	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
26) 1,2-Dichloroethane-d4	5.72	65	135360	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.50%
32) Benzene-d6	5.74	84	380535	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.70	67	124656	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.74%
41) Toluene-d8	7.91	98	336762	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	8.18	79	64176	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
47) 2-Hexanone-d5	8.64	63	114226	91.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.15%
56) 1,1,2,2-Tetrachloroethane-	10.76	84	172040	44.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.60%
66) 1,2-Dichlorobenzene-d4	12.19	152	128460	49.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1738	0.791	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	1309	0.644	ug/L #	1
25) Chloroform	5.11	83	3259	0.741	ug/L	85
39) cis-1,3-Dichloropropene	7.57	75	4186	1.142	ug/L #	58
44) trans-1,3-Dichloropropene	8.19	75	3643	0.987	ug/L	93
48) 2-Hexanone	8.69	43	5935	1.850	ug/L #	89
60) 1,2,3-Trichloropropane	10.82	75	1243	0.426	ug/L #	72
61) Isopropylbenzene	10.48	105	1933	0.224	ug/L	95
62) 1,3,5-Trimethylbenzene	11.47	105	1792	0.253	ug/L	89
63) 1,2,4-Trimethylbenzene	11.47	105	1792	0.249	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	2063	0.491	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	2728	0.618	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	2453	0.890	ug/L #	88
70) 1,2,4-trichlorobenzene	13.83	180	3646	1.527	ug/L	99
71) Naphthalene	14.08	128	16710	2.264	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	4368	1.843	ug/L	95

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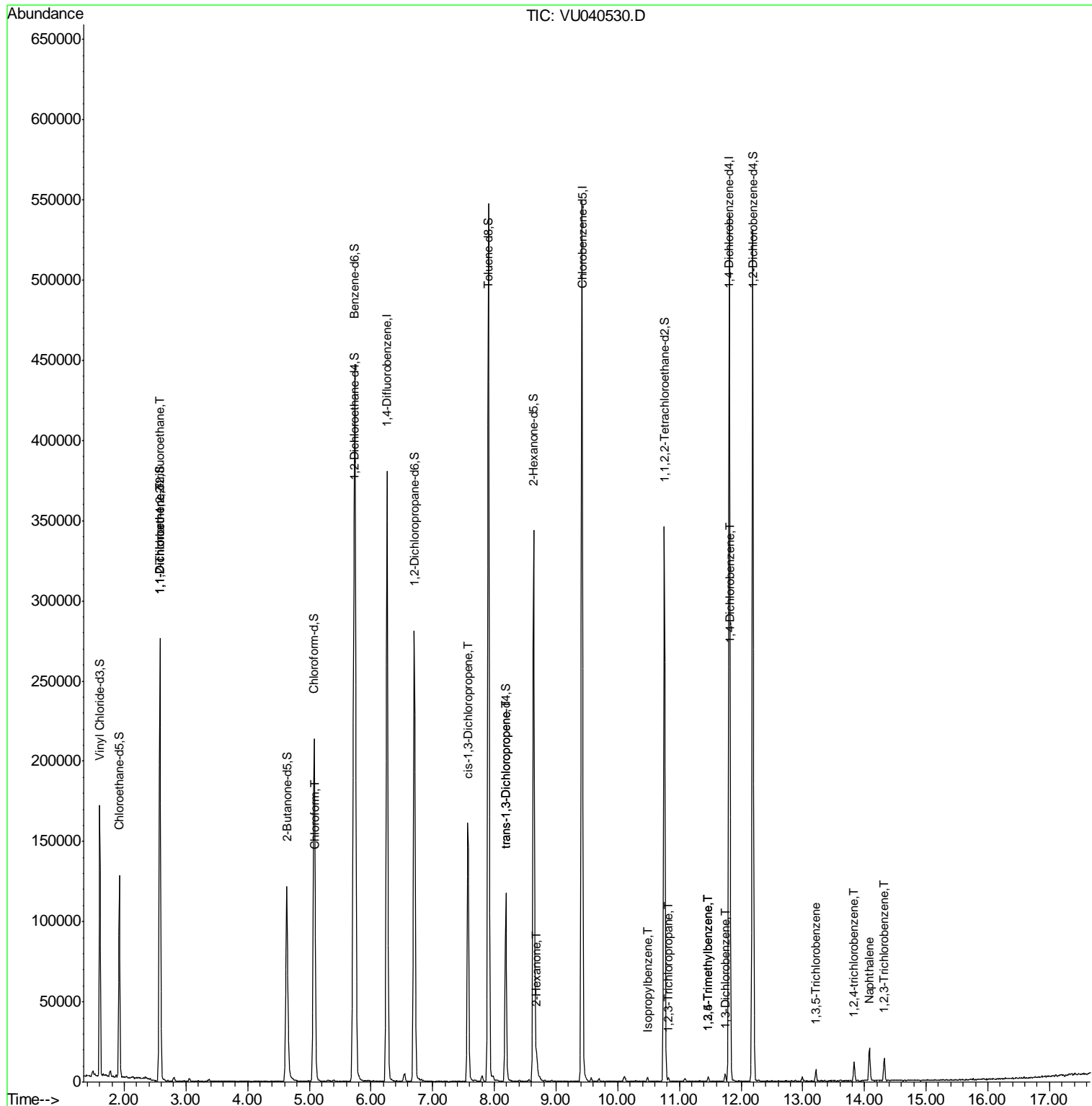
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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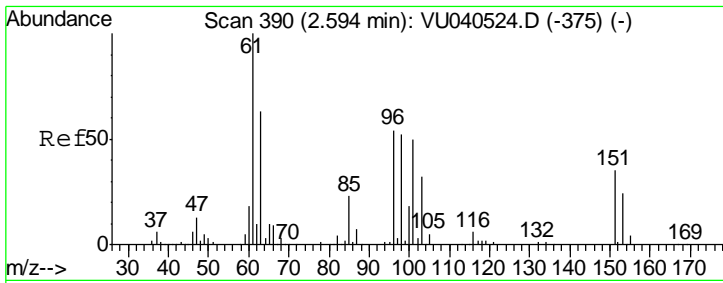
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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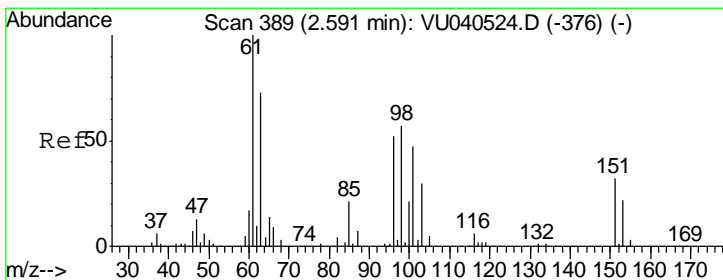
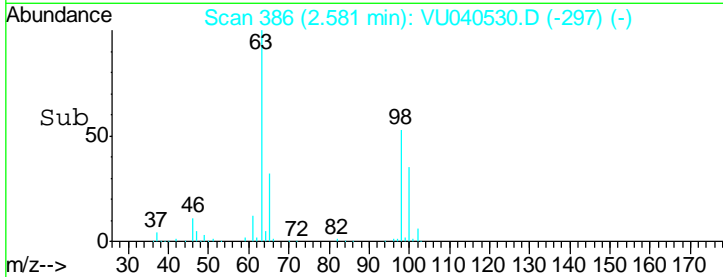
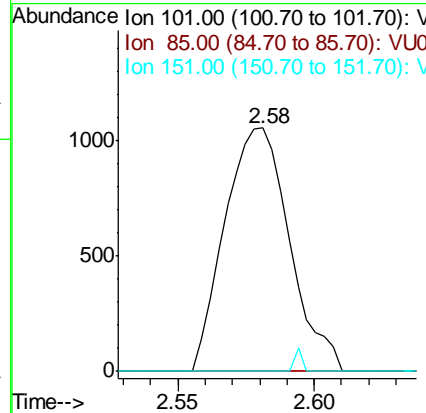
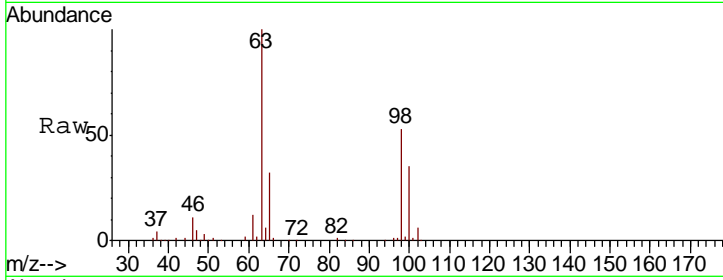




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.791 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

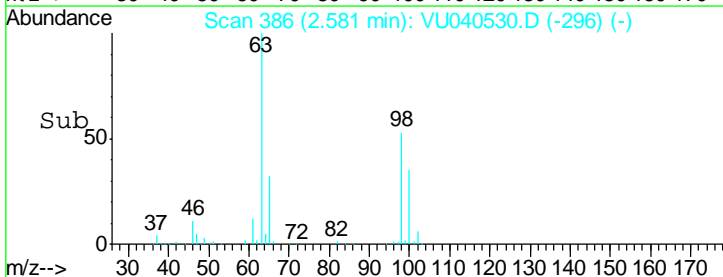
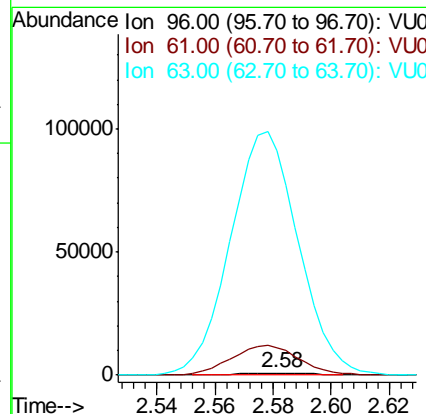
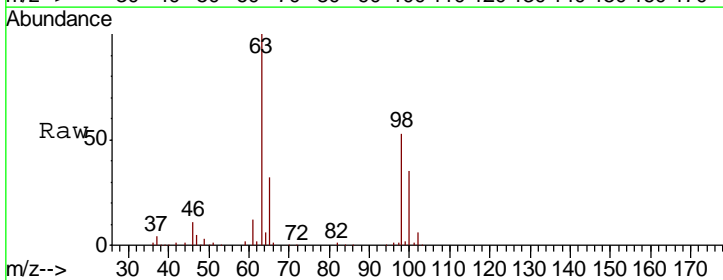
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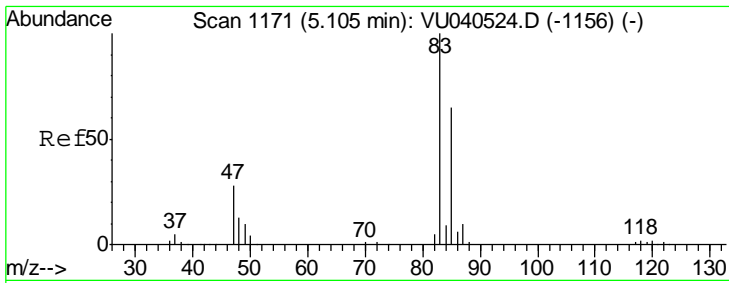
Tgt Ion	Resp	Lower	Upper
101	1738		
101	100		
85	0.0	35.4	53.2#
151	0.0	54.8	82.2#



#12
 1,1-Dichloroethene
 Concen: 0.644 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
96	1309		
96	100		
61	1531.8	135.0	250.8#
63	12450.8	101.4	188.2#

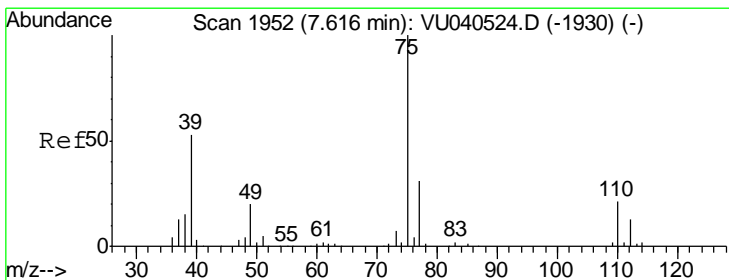
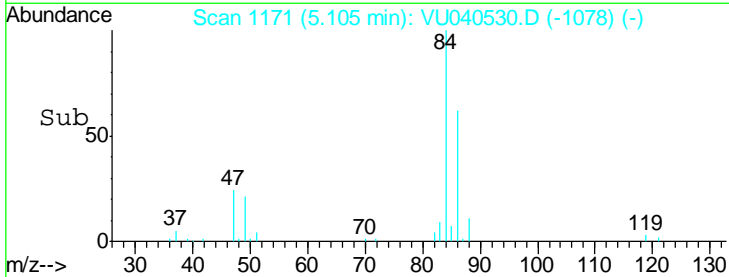
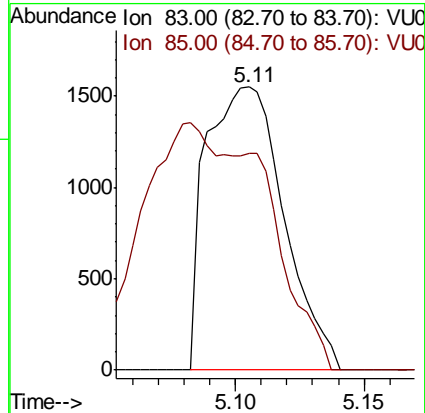
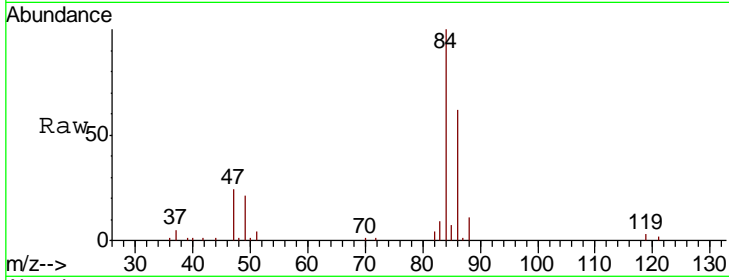




#25
 Chloroform
 Concen: 0.741 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

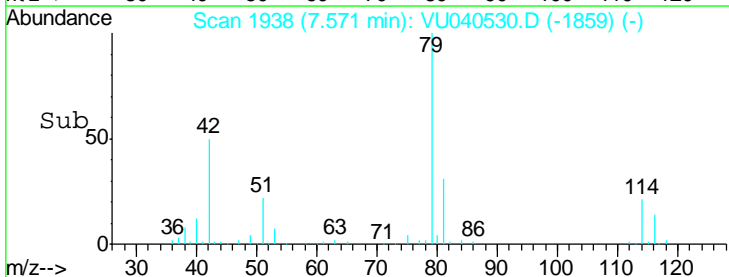
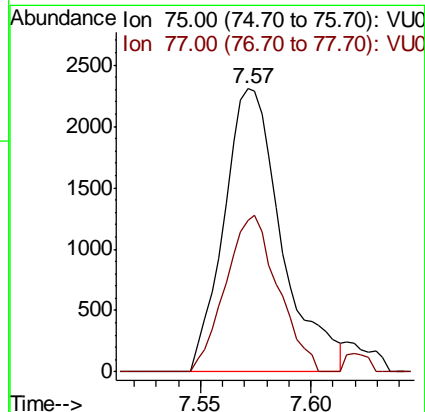
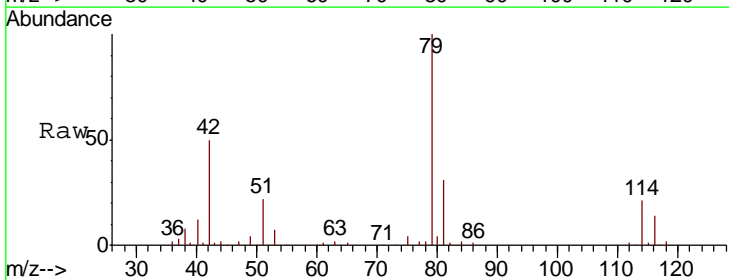
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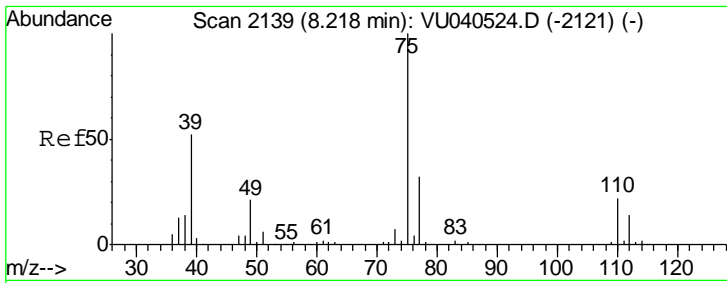
Tgt Ion	Resp	Lower	Upper
83	100		
85	76.8	45.6	84.8



#39
 cis-1,3-Dichloropropene
 Concen: 1.142 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
75	100		
77	53.4	21.4	39.8#

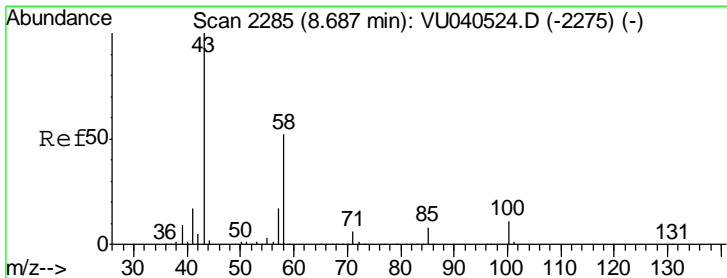
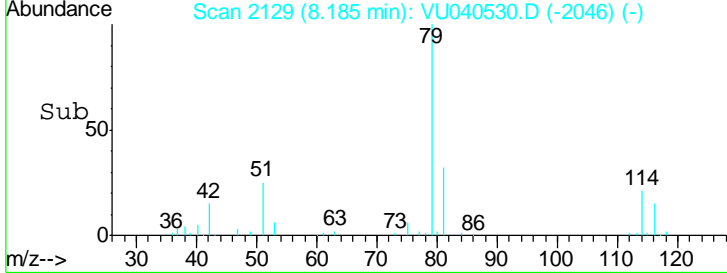
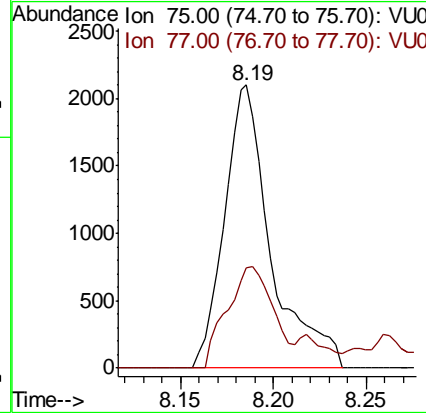
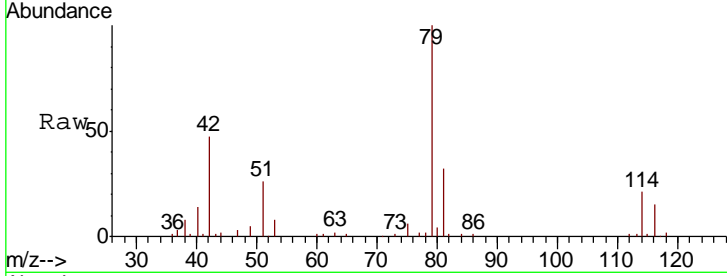




#44
 trans-1,3-Dichloropropene
 Concen: 0.987 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

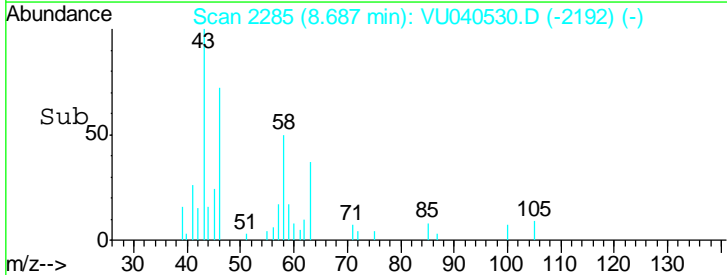
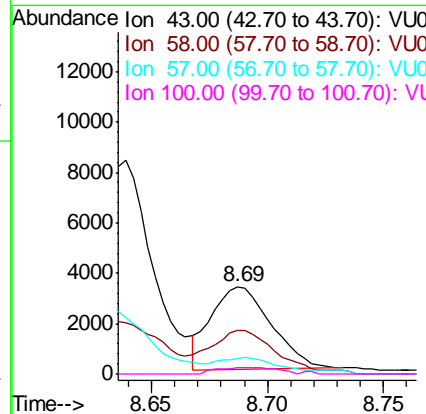
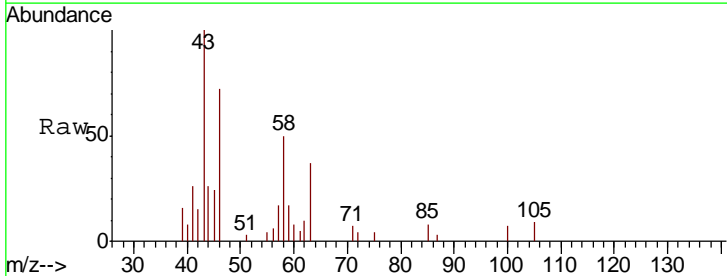
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 MSVOA_U
ClientSampled :
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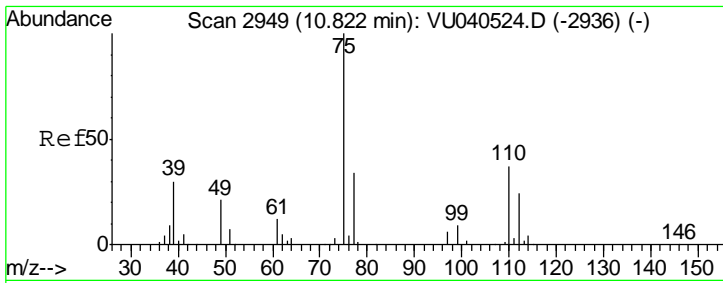
Tgt Ion	Resp	Lower	Upper
75	3643		
75	100		
77	35.4	22.1	41.1



#48
 2-Hexanone
 Concen: 1.850 ug/L
 RT: 8.69 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
43	5935		
43	100		
58	59.7	40.6	60.8
57	15.6	14.3	21.5
100	5.4	8.5	12.7#

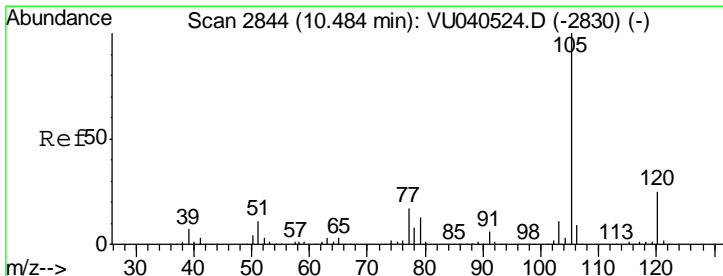
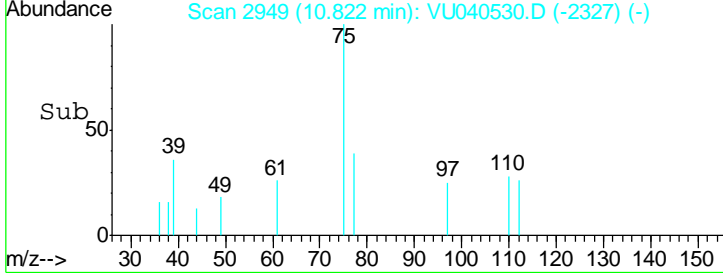
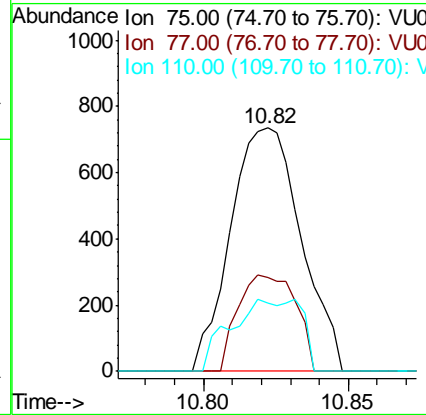
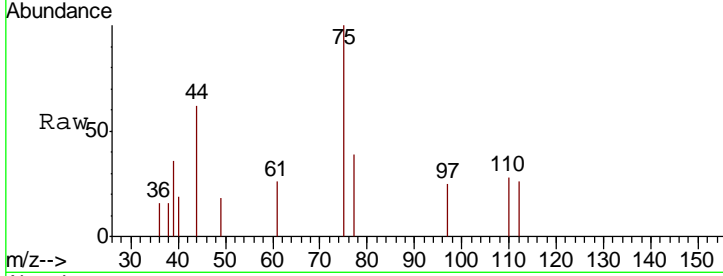




#60
 1,2,3-Trichloropropane
 Concen: 0.426 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

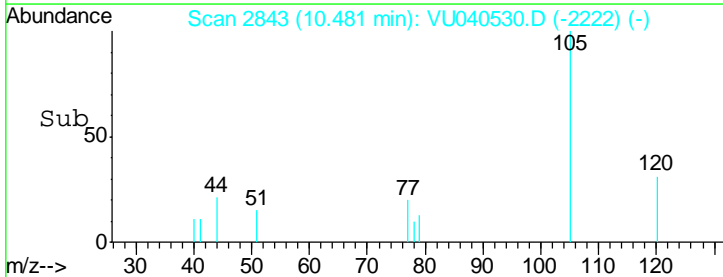
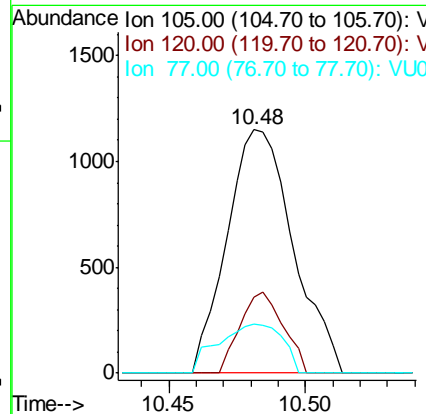
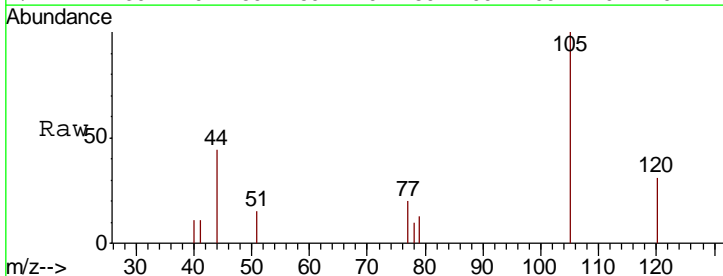
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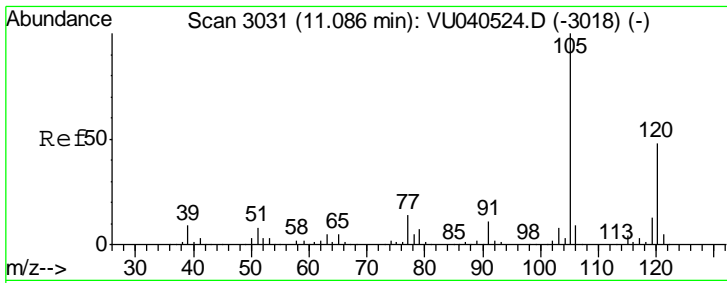
Tgt Ion	Resp	Lower	Upper
75	1243		
77	32.3	26.4	39.6
110	6.8	30.1	45.1#



#61
 Isopropylbenzene
 Concen: 0.224 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
105	1933		
120	21.7	20.7	31.1
77	16.9	13.8	20.8

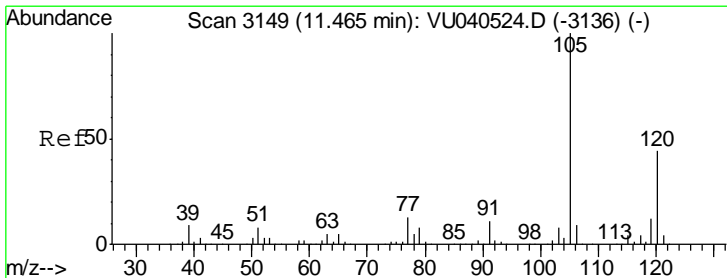
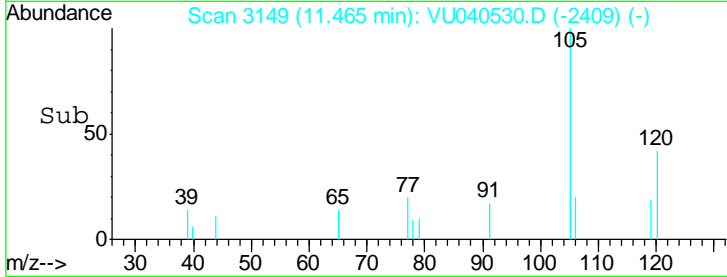
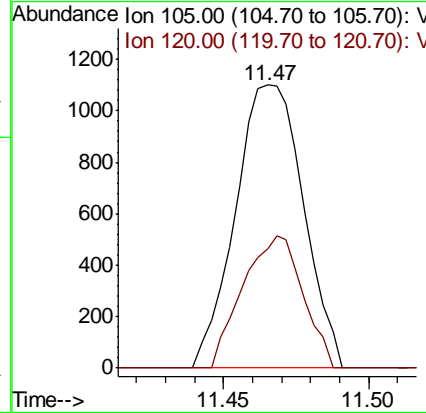
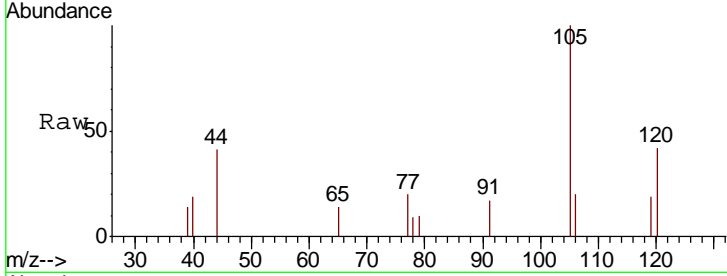




#62
 1,3,5-Trimethylbenzene
 Concen: 0.253 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.38 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

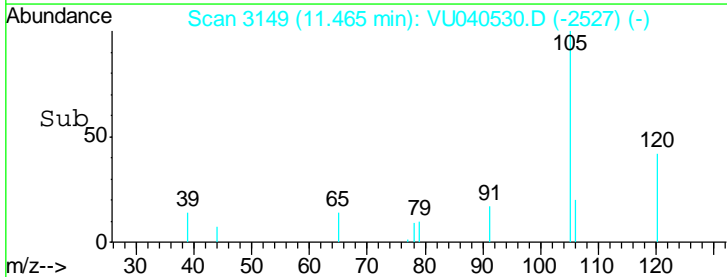
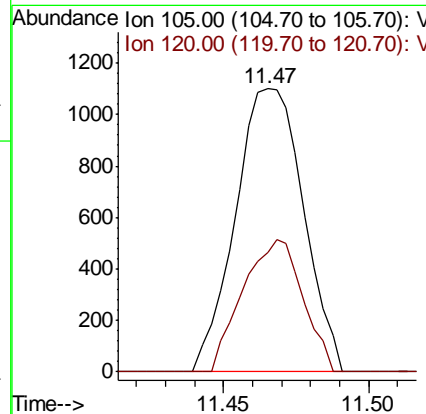
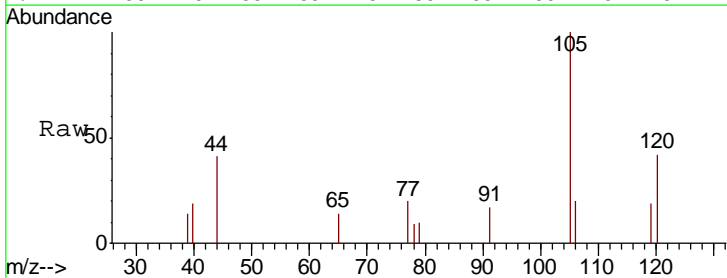
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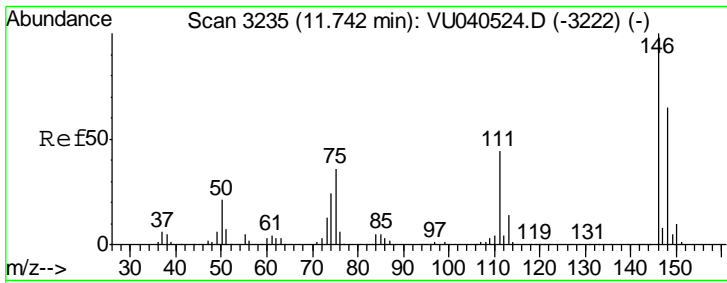
Tgt Ion:105 Resp: 1792
 Ion Ratio Lower Upper
 105 100
 120 41.1 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.249 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion:105 Resp: 1792
 Ion Ratio Lower Upper
 105 100
 120 41.1 35.7 53.5

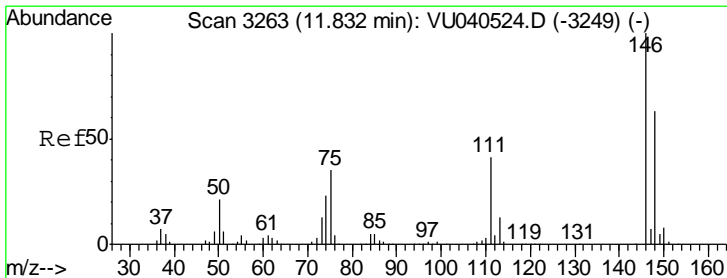
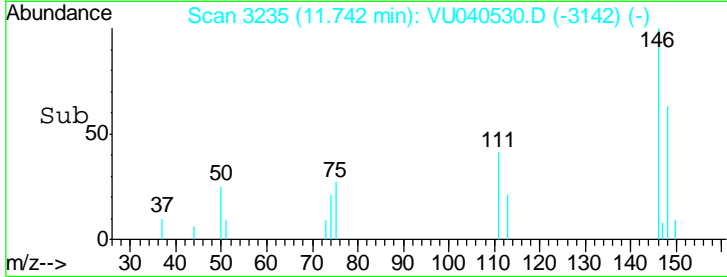
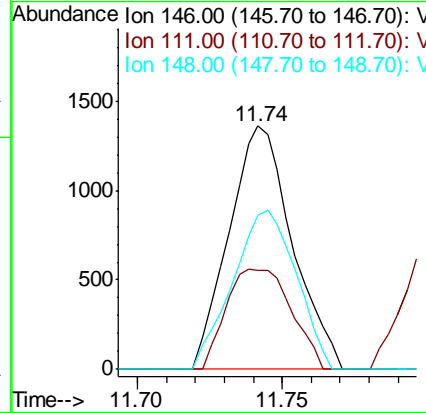
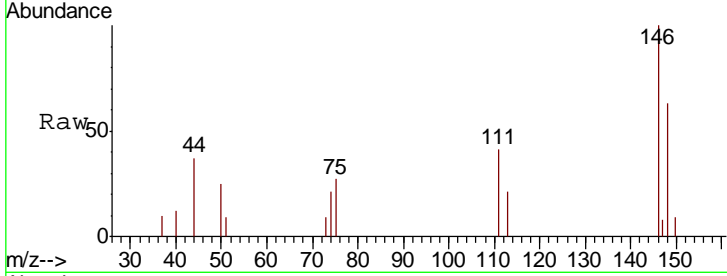




#64
 1,3-Dichlorobenzene
 Concen: 0.491 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

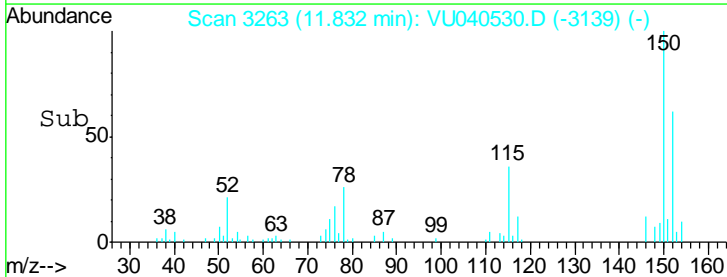
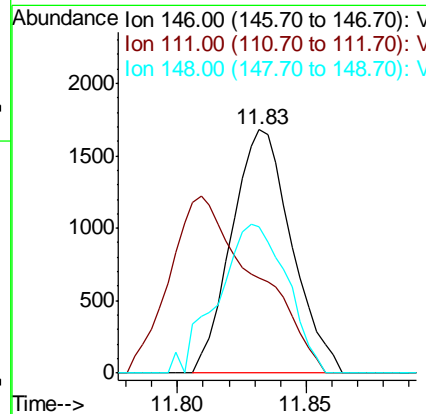
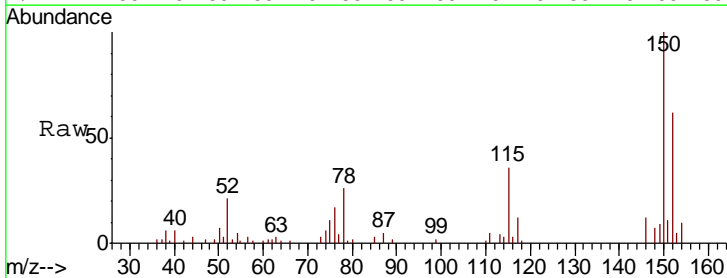
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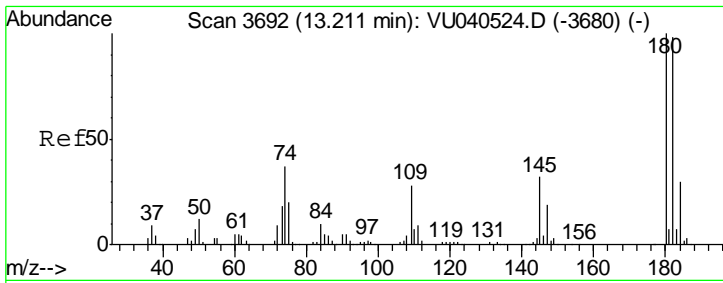
Tgt Ion	Resp	Lower	Upper
146	100		
111	40.7	30.8	57.2
148	63.1	45.4	84.2



#65
 1,4-Dichlorobenzene
 Concen: 0.618 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.1	28.7	53.3
148	60.0	44.1	81.9

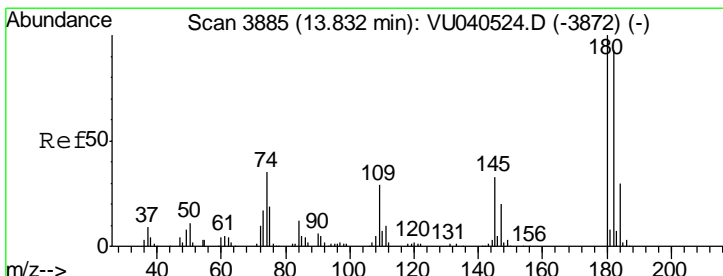
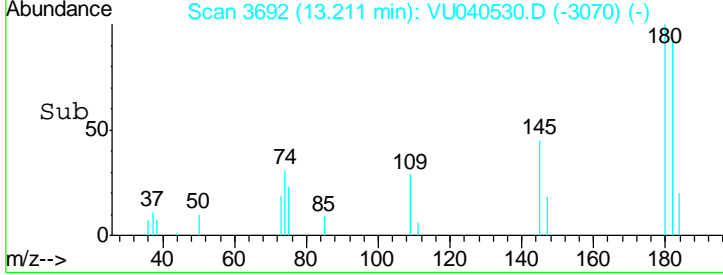
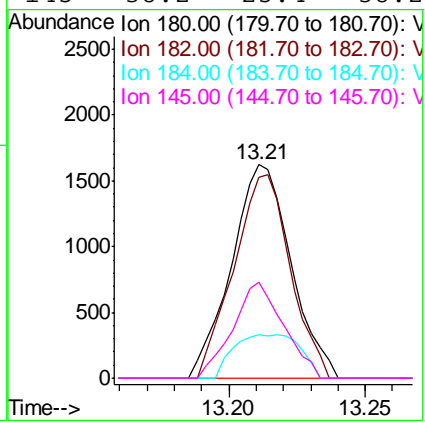
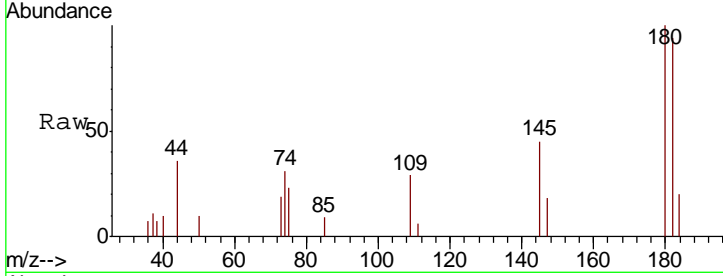




#69
 1,3,5-Trichlorobenzene
 Concen: 0.890 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

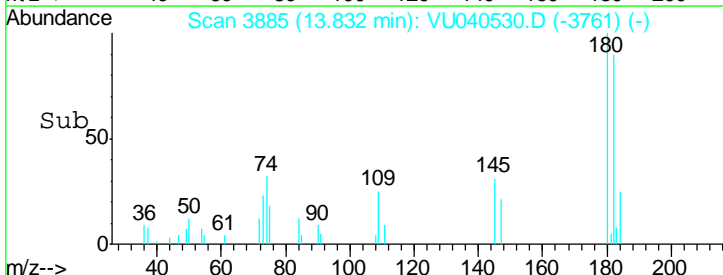
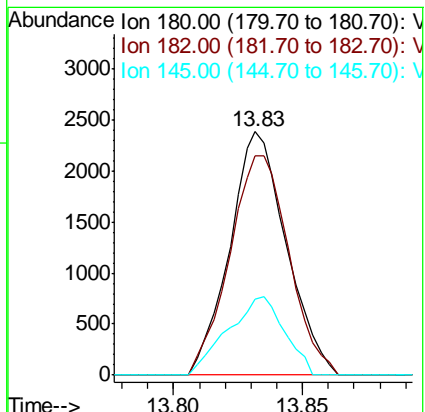
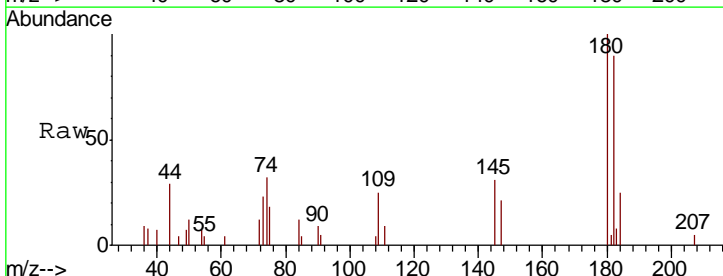
Instrument : MSVOA_U
 ClientSampled : VBLK203

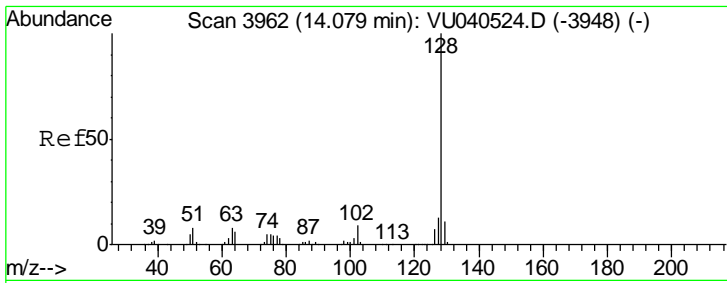
Tgt Ion	Resp	Lower	Upper
180	100		
182	90.1	76.9	115.3
184	12.8	24.2	36.2#
145	38.2	25.4	38.2#



#70
 1,2,4-trichlorobenzene
 Concen: 1.527 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.7	75.0	112.6
145	32.1	25.9	38.9

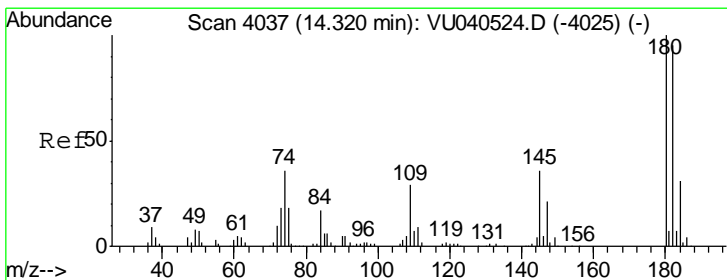
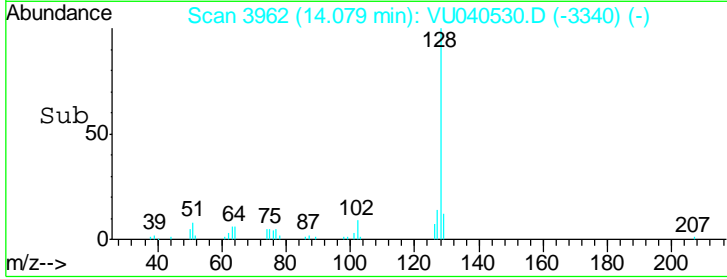
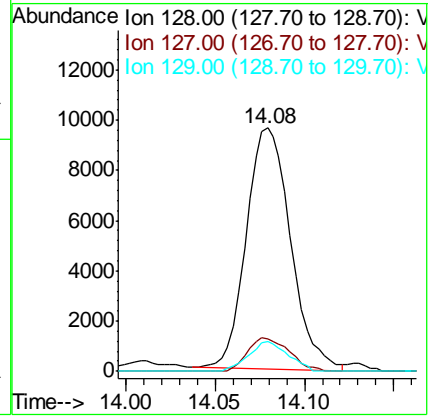
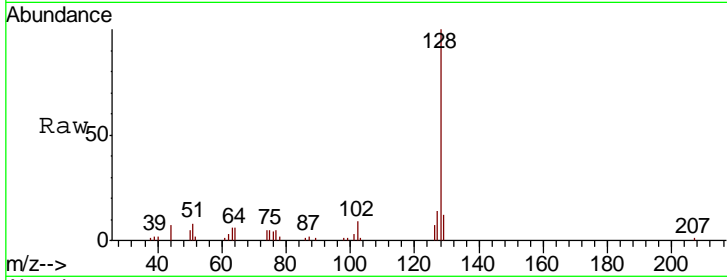




#71
 Naphthalene
 Concen: 2.264 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Instrument : MSVOA_U
 ClientSampled : VBLK203

Tgt Ion	Resp	Lower	Upper
128	16710		
127	13.1	10.5	15.7
129	11.0	8.6	13.0



#72
 1,2,3-Trichlorobenzene
 Concen: 1.843 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040530.D
 Acq: 06 Oct 2020 16:01

Tgt Ion	Resp	Lower	Upper
180	4368		
182	102.4	77.7	116.5
145	34.2	28.4	42.6

