

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077528.D
 Acq On : 29 Apr 2023 18:54
 Operator : JC\MD
 Sample : 02503-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-305A-VOC-02

Quant Time: May 01 01:25:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

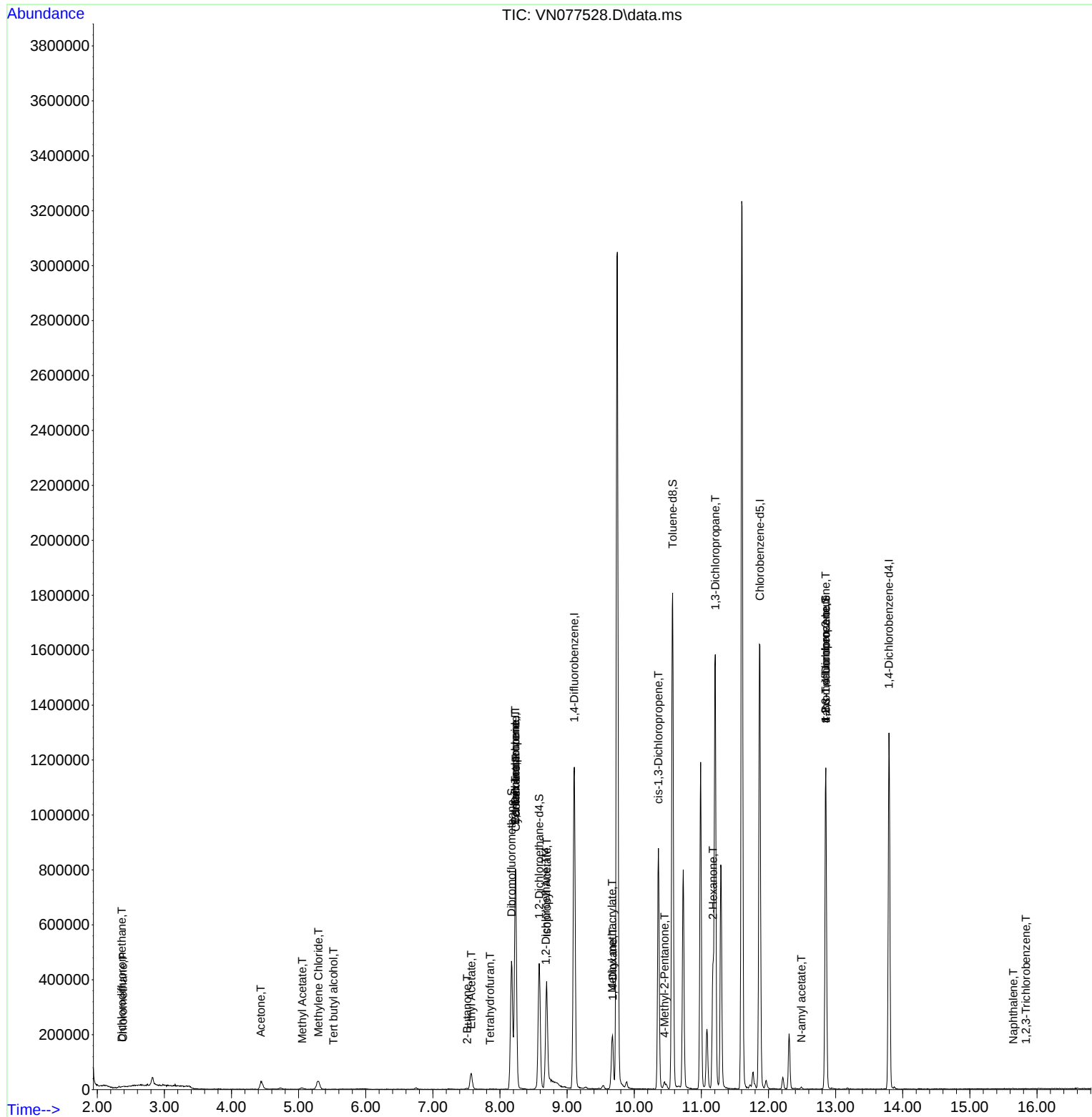
Internal Standards						
1) Pentafluorobenzene	8.231	168	567481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1084662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1018681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	347862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	383111	51.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.480%			
35) Dibromofluoromethane	8.172	113	332561	51.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.572	98	1337374	53.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.854	95	423350	51.788	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.366	85	115	0.325	ug/l #	43
3) Chloromethane	2.384	50	1504	0.264	ug/l #	42
11) Tert butyl alcohol	5.519	59	672	0.565	ug/l #	72
16) Acetone	4.437	43	52847	22.433	ug/l #	86
18) Methyl Acetate	5.054	43	9607	1.056	ug/l #	82
20) Methylene Chloride	5.295	84	27889	3.733	ug/l	91
25) 2-Butanone	7.513	43	5164	1.545	ug/l #	83
29) Tetrahydrofuran	7.854	42	460	0.220	ug/l	88
31) Cyclohexane	8.236	56	13676	1.304	ug/l #	35
36) 1,1-Dichloropropene	8.231	75	48611	5.161	ug/l #	49
37) Ethyl Acetate	7.572	43	80440	11.239	ug/l	98
38) Carbon Tetrachloride	8.231	117	62599	6.024	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	3131	0.318	ug/l #	73
43) Isopropyl Acetate	8.695	43	431376	34.840	ug/l #	87
48) Methyl methacrylate	9.672	41	8707	1.545	ug/l #	33
49) 1,4-Dioxane	9.683	88	194	1.372	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	15308	2.108	ug/l	95
54) cis-1,3-Dichloropropene	10.360	75	184579	15.875	ug/l #	61
57) 1,3-Dichloropropane	11.207	76	19779	1.643	ug/l #	42
59) 2-Hexanone	11.172	43	348865	66.086	ug/l #	19
74) N-amyl acetate	12.489	43	2059	0.215	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	223639	27.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	223639	78.107	ug/l #	15
95) Naphthalene	15.648	128	475	1.192	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	69	0.503	ug/l #	13

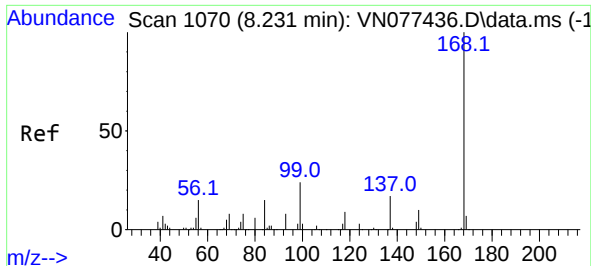
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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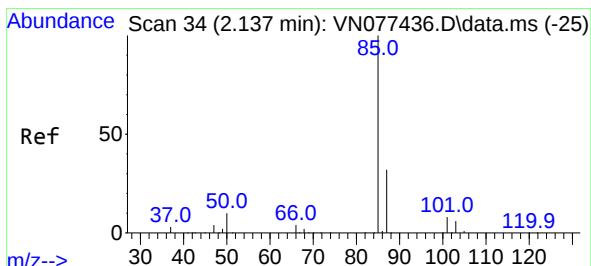
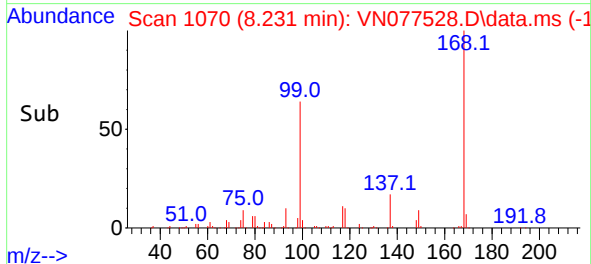
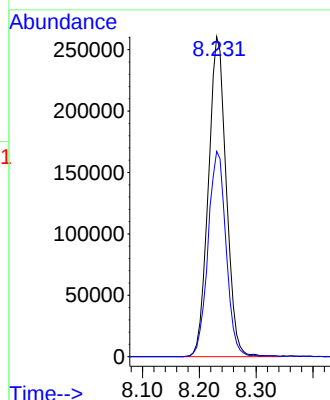
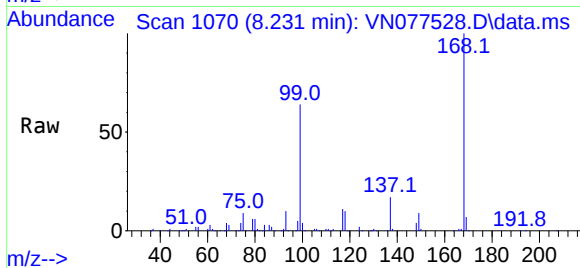




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

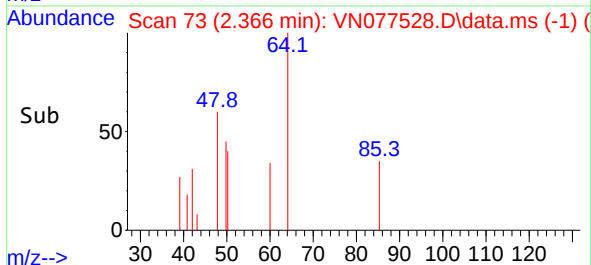
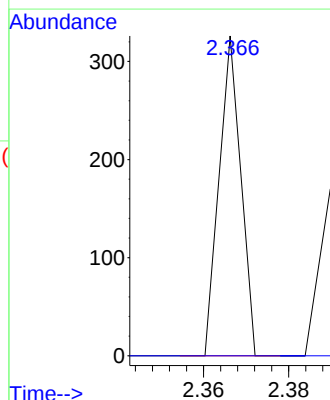
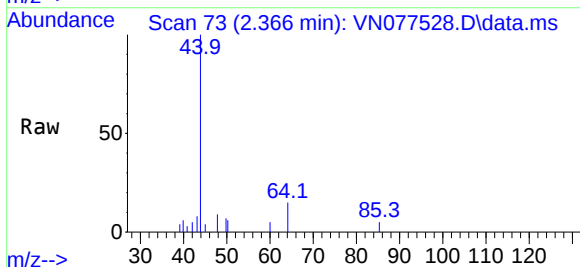
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

Tgt Ion:168 Resp: 567481
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6

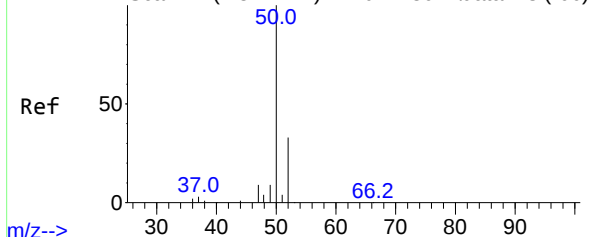


#2
Dichlorodifluoromethane
Concen: 0.325 ug/l
RT: 2.366 min Scan# 73
Delta R.T. 0.229 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 85 Resp: 115
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#



Abundance Scan 74 (2.372 min): VN077436.D\data.ms (-66)



#3

Chloromethane

Concen: 0.264 ug/l

RT: 2.384 min Scan# 70

Delta R.T. 0.012 min

Lab File: VN077528.D

Acq: 29 Apr 2023 18:54

Instrument :

MSVOA_N

ClientSampleId :

TR-305A-VOC-02

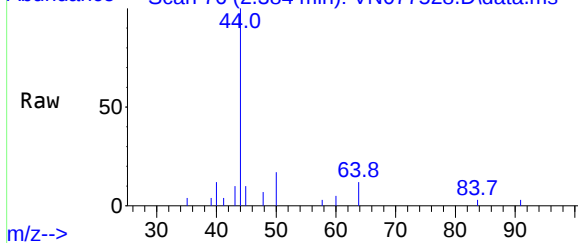
Tgt Ion: 50 Resp: 1504

Ion Ratio Lower Upper

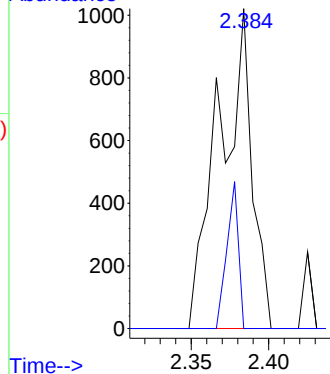
50 100

52 0.0 26.5 39.7#

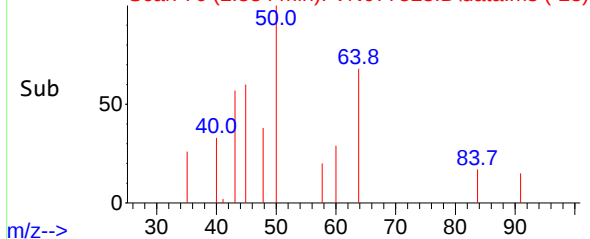
Abundance Scan 76 (2.384 min): VN077528.D\data.ms



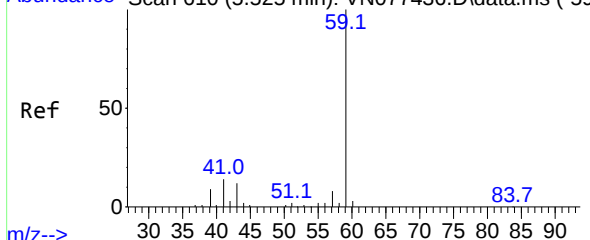
Abundance



Abundance Scan 76 (2.384 min): VN077528.D\data.ms (-23)



Abundance Scan 610 (5.525 min): VN077436.D\data.ms (-59)



#11

Tert butyl alcohol

Concen: 0.565 ug/l

RT: 5.519 min Scan# 609

Delta R.T. -0.006 min

Lab File: VN077528.D

Acq: 29 Apr 2023 18:54

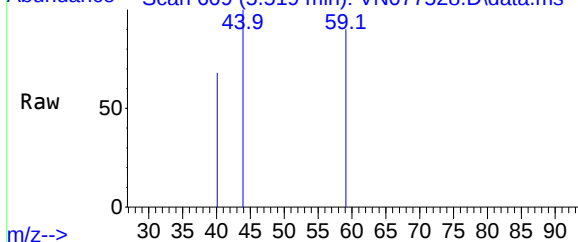
Tgt Ion: 59 Resp: 672

Ion Ratio Lower Upper

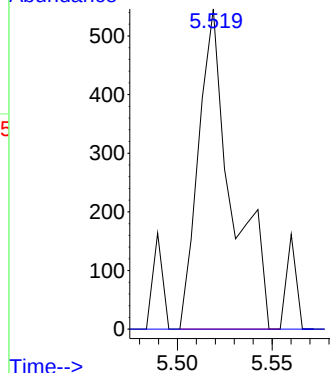
59 100

57 0.0 8.2 12.4#

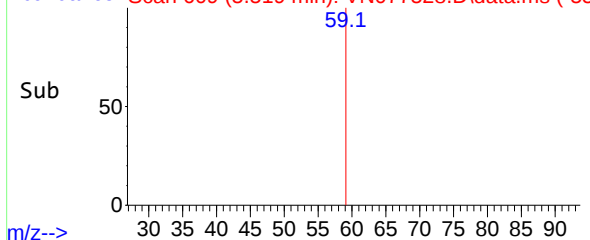
Abundance Scan 609 (5.519 min): VN077528.D\data.ms

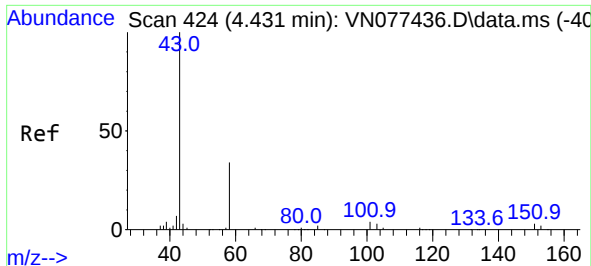


Abundance



Abundance Scan 609 (5.519 min): VN077528.D\data.ms (-55)

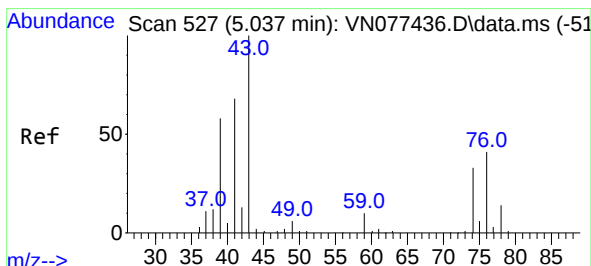
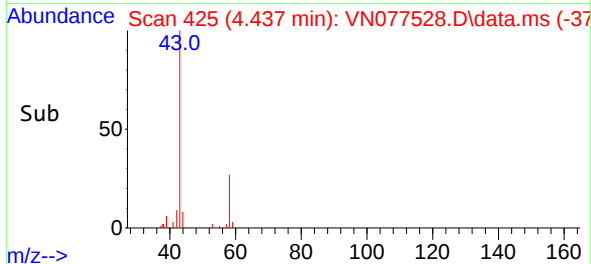
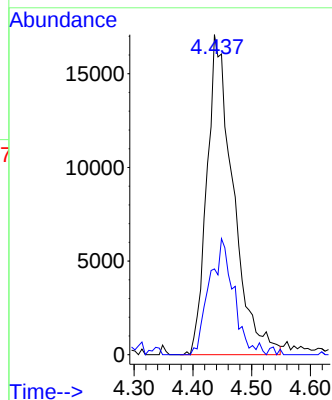
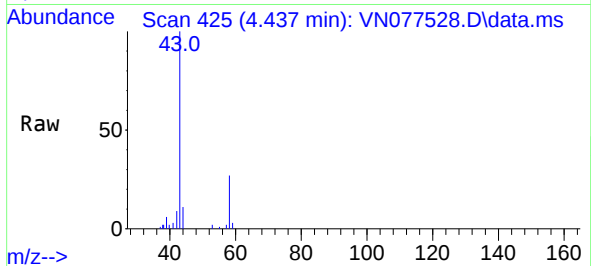




#16
Acetone
Concen: 22.433 ug/l
RT: 4.437 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

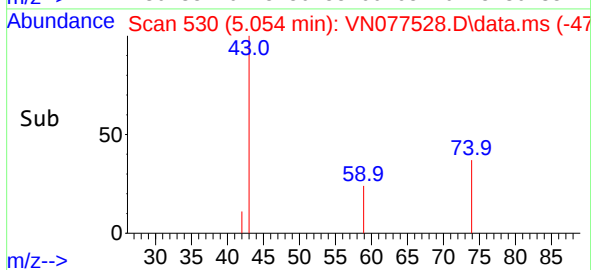
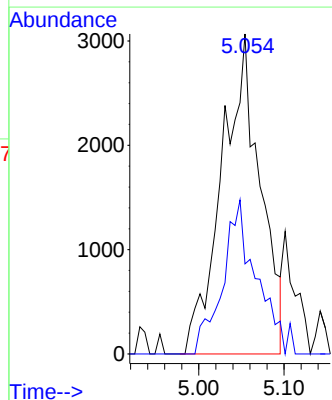
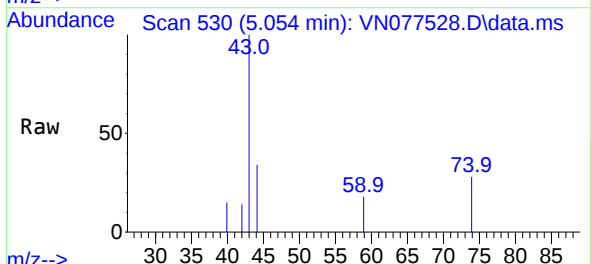
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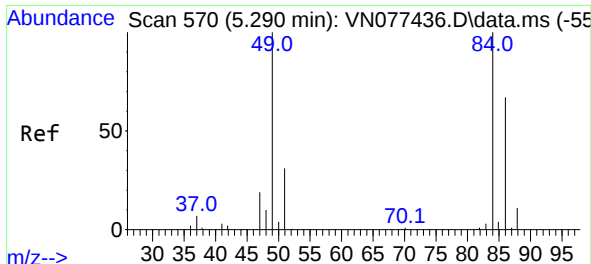
Tgt Ion: 43 Resp: 52847
Ion Ratio Lower Upper
43 100
58 26.8 28.0 42.0#



#18
Methyl Acetate
Concen: 1.056 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.018 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 43 Resp: 9607
Ion Ratio Lower Upper
43 100
74 42.8 26.2 39.4#



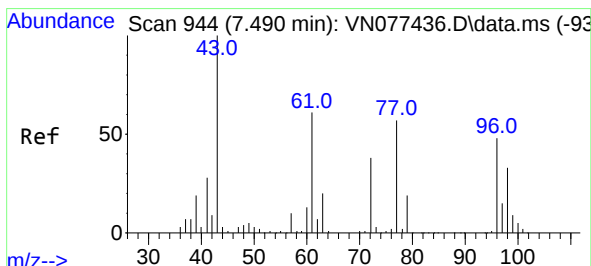
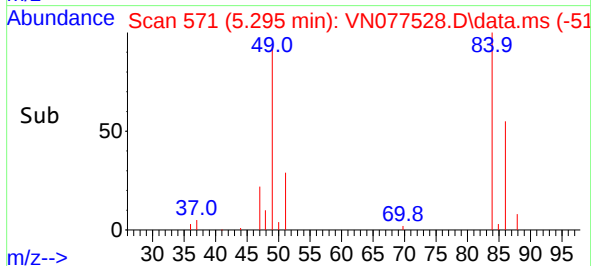
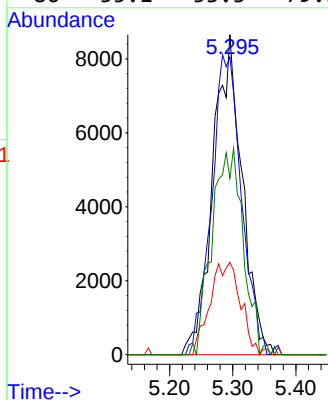
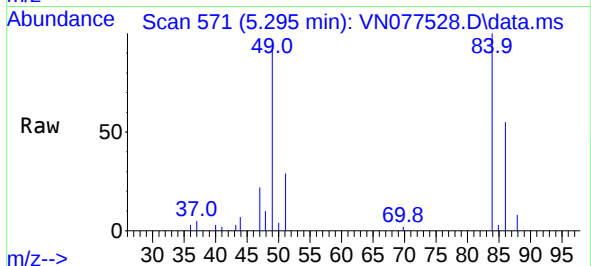


#20
Methylene Chloride
Concen: 3.733 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

Tgt Ion: 84 Resp: 27889

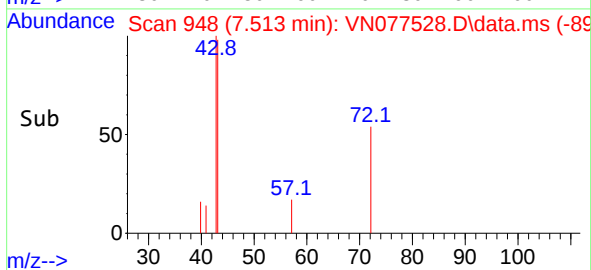
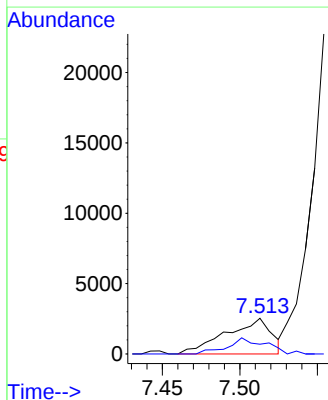
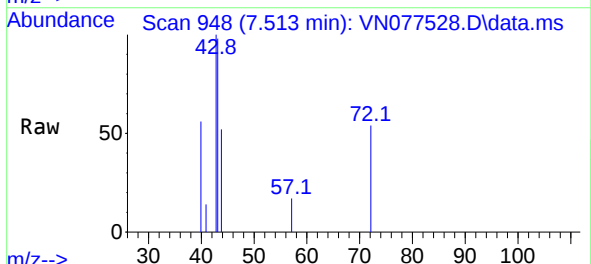
Ion	Ratio	Lower	Upper
84	100		
49	93.0	79.7	119.5
51	28.9	25.2	37.8
86	55.1	53.3	79.9

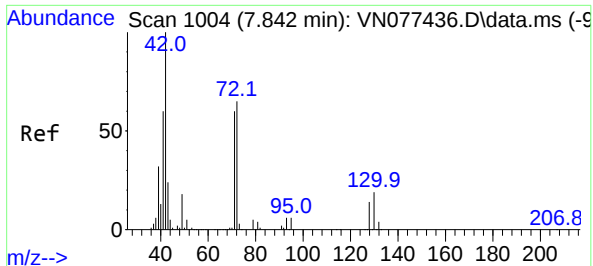


#25
2-Butanone
Concen: 1.545 ug/l
RT: 7.513 min Scan# 948
Delta R.T. 0.023 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 43 Resp: 5164

Ion	Ratio	Lower	Upper
43	100		
72	27.4	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN077528.D

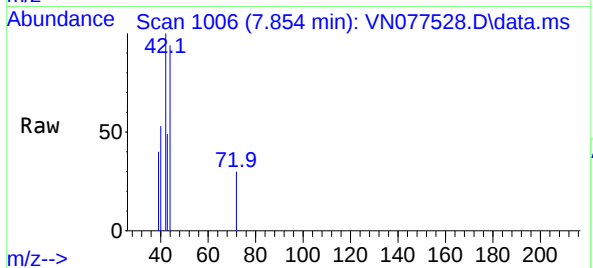
Acq: 29 Apr 2023 18:54

Instrument :

MSVOA_N

ClientSampleId :

TR-305A-VOC-02



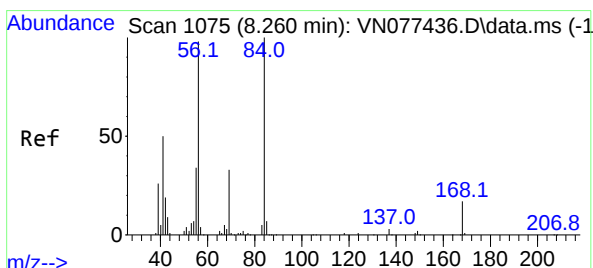
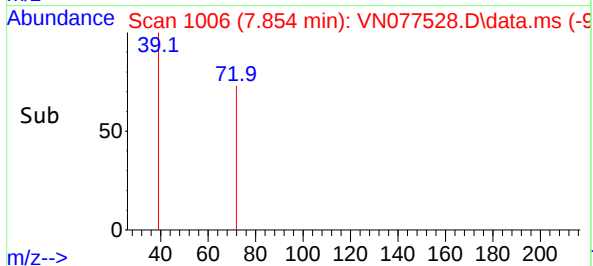
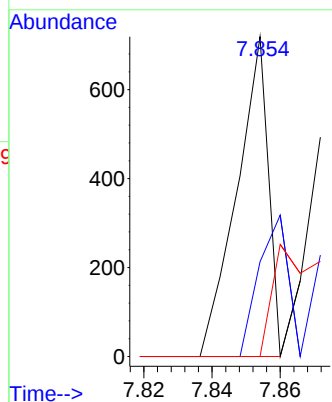
Tgt Ion: 42 Resp: 460

Ion Ratio Lower Upper

42 100

72 71.3 49.8 74.6

71 50.2 47.4 71.2



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.024 min

Lab File: VN077528.D

Acq: 29 Apr 2023 18:54

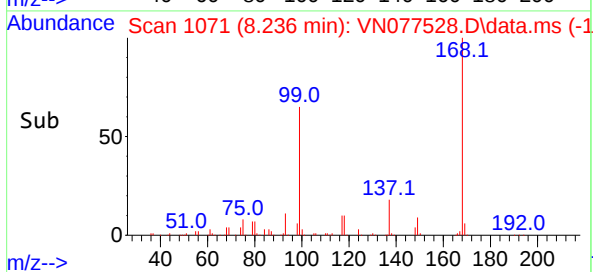
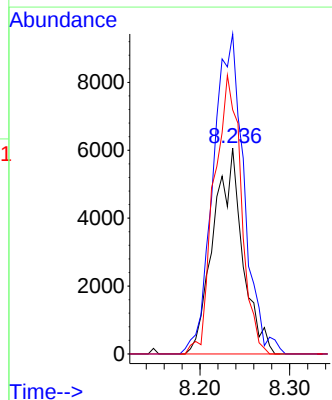
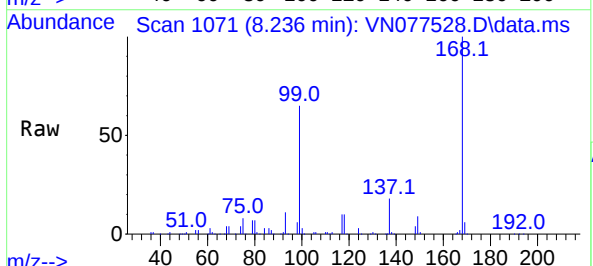
Tgt Ion: 56 Resp: 13676

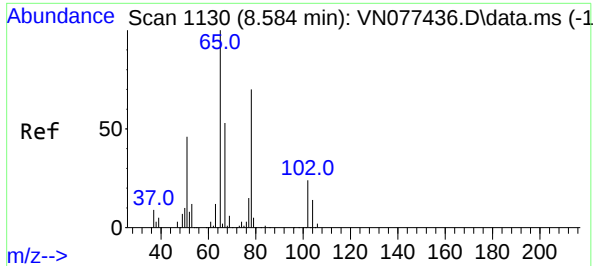
Ion Ratio Lower Upper

56 100

69 155.4 26.8 40.2#

84 118.6 81.8 122.6

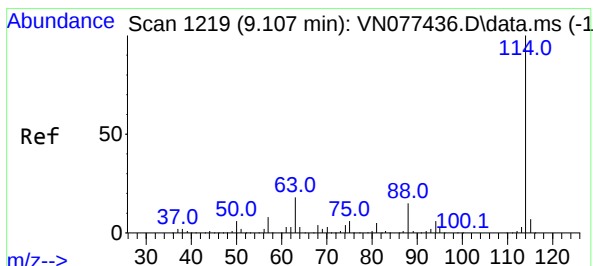
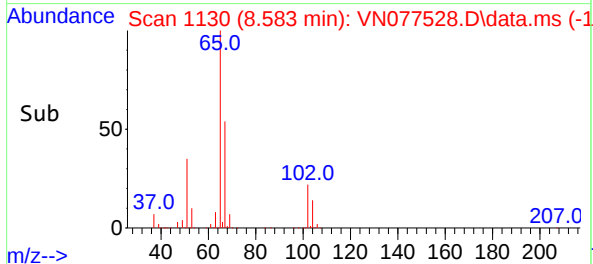
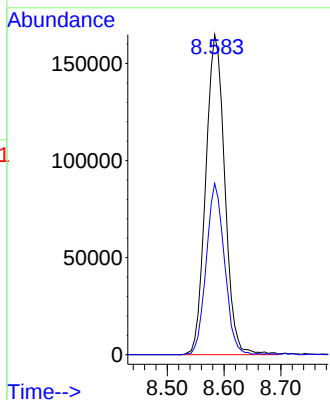
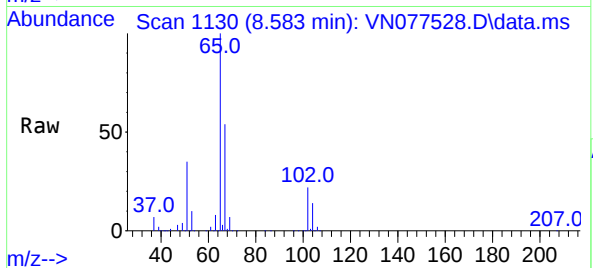




#33
 1,2-Dichloroethane-d4
 Concen: 51.737 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN077528.D
 Acq: 29 Apr 2023 18:54

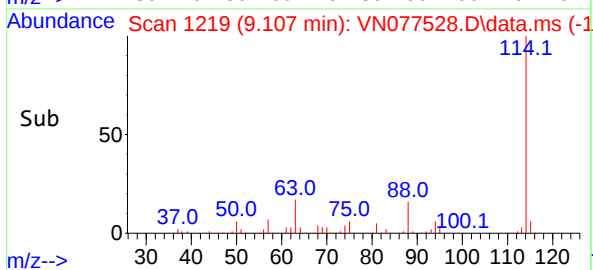
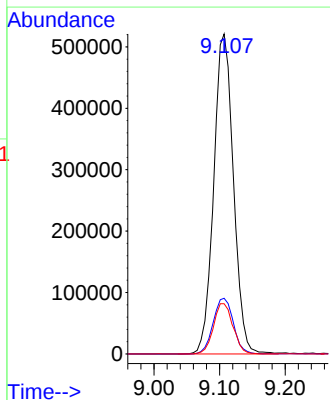
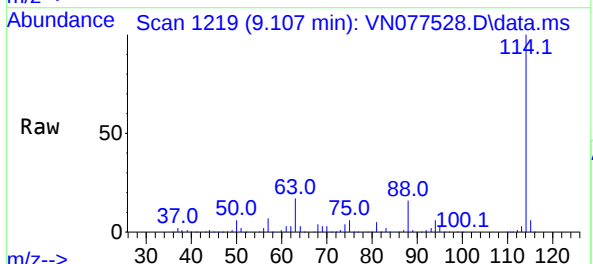
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 TR-305A-VOC-02

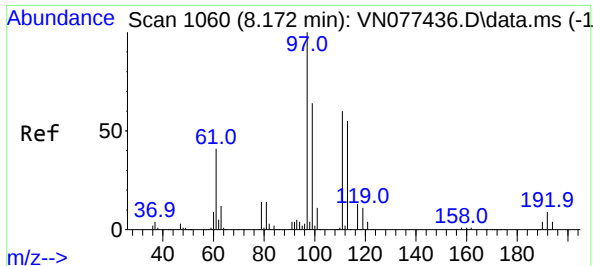
Tgt Ion: 65 Resp: 383111
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN077528.D
 Acq: 29 Apr 2023 18:54

Tgt Ion: 114 Resp: 1084662
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.4
 88 15.7 0.0 30.6

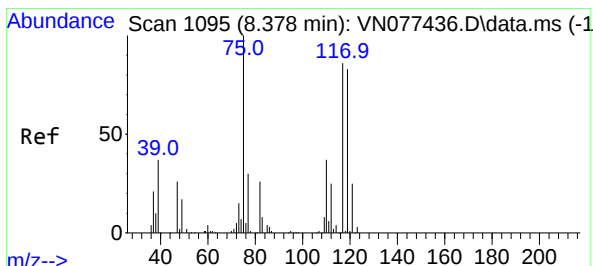
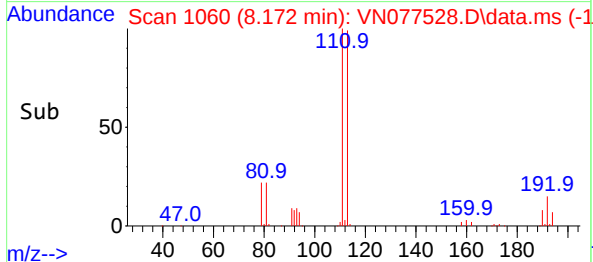
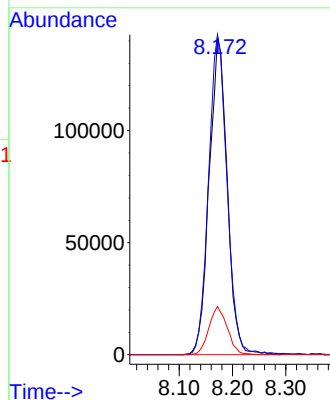
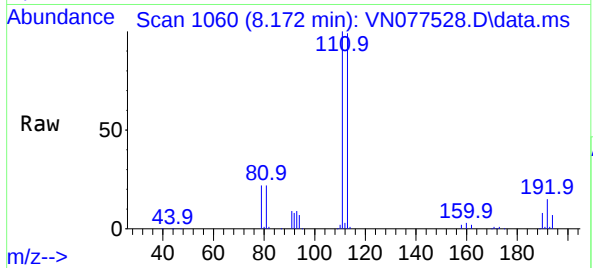




#35
Dibromofluoromethane
Concen: 51.012 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

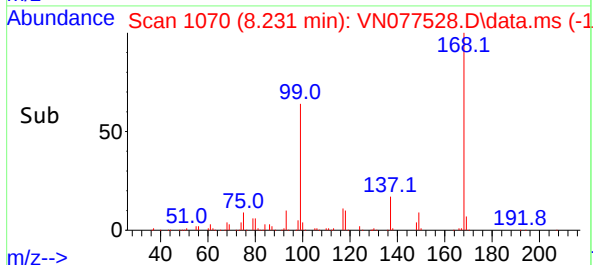
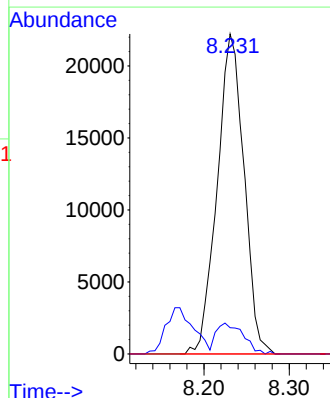
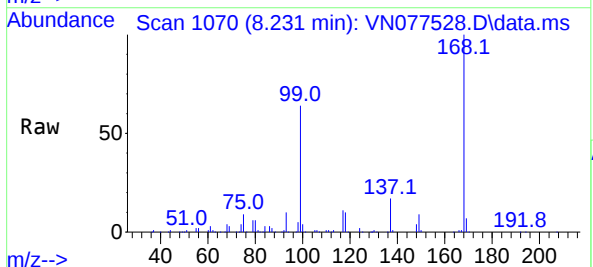
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

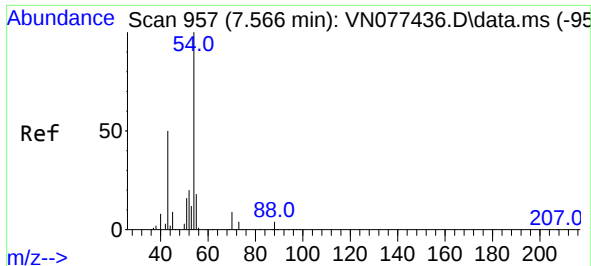
Tgt Ion:113 Resp: 332561
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 15.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.161 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 75 Resp: 48611
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#

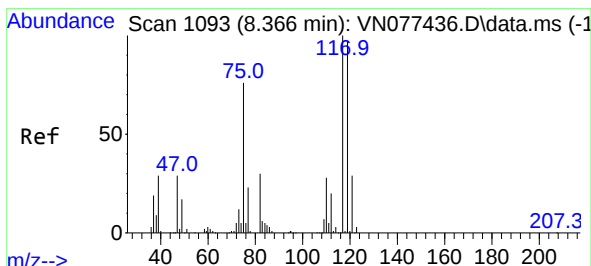
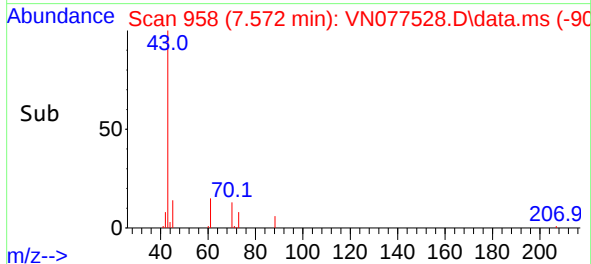
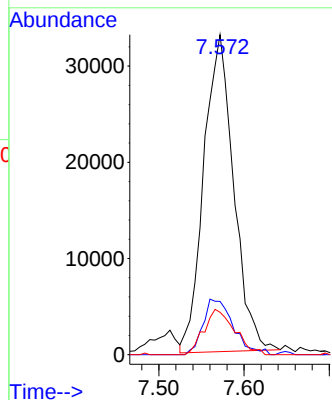
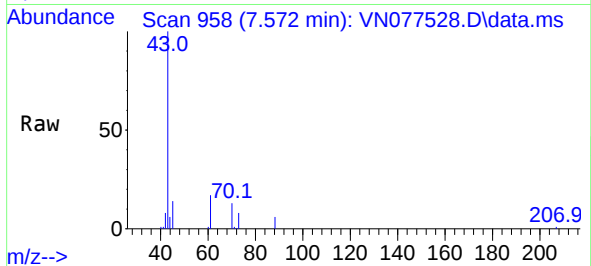




#37
Ethyl Acetate
Concen: 11.239 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

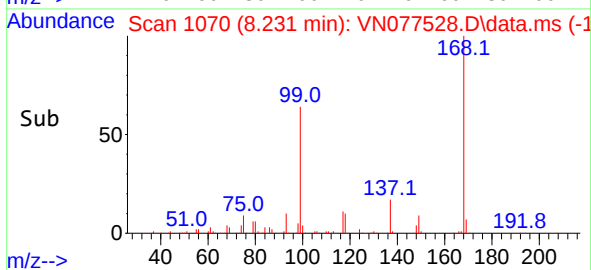
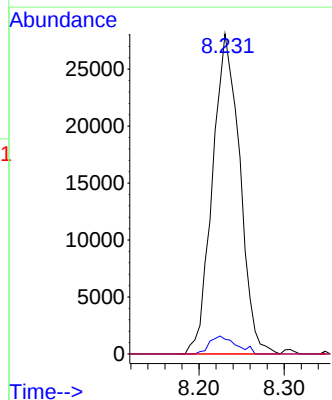
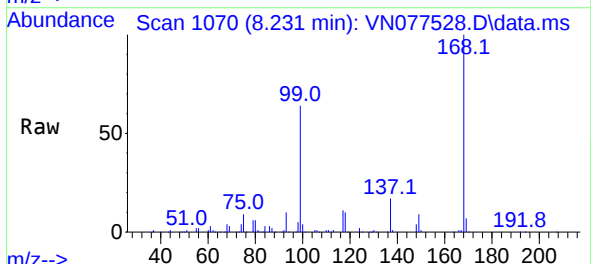
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

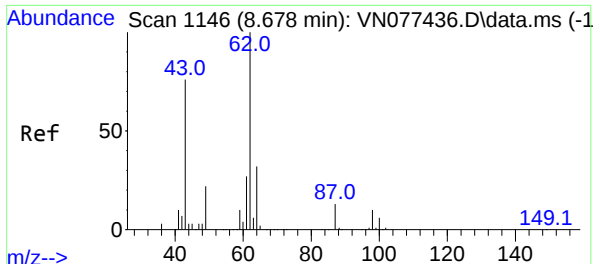
Tgt Ion: 43 Resp: 80440
Ion Ratio Lower Upper
43 100
61 17.7 13.2 19.8
70 14.7 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 117 Resp: 62599
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#

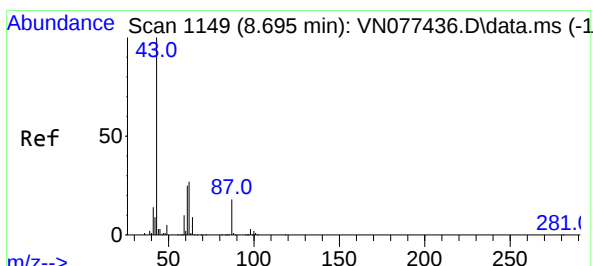
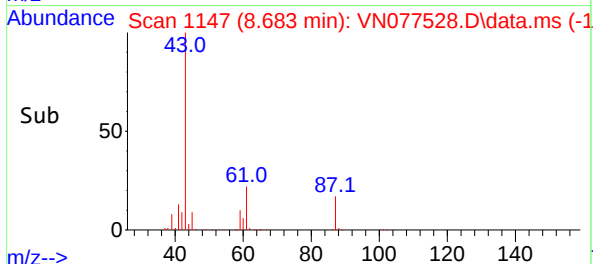
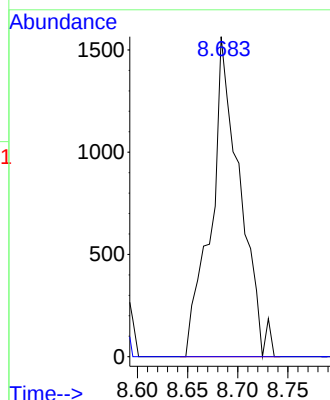
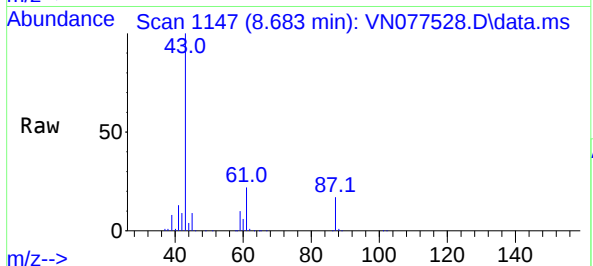




#42
1,2-Dichloroethane
Concen: 0.318 ug/l
RT: 8.683 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

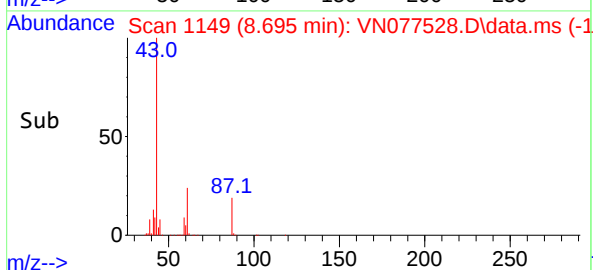
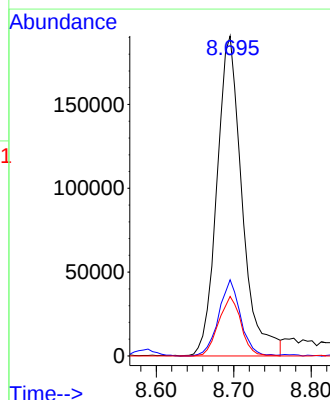
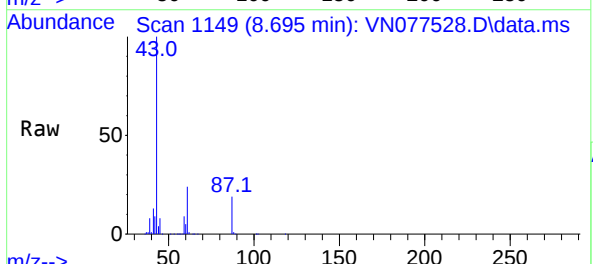
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

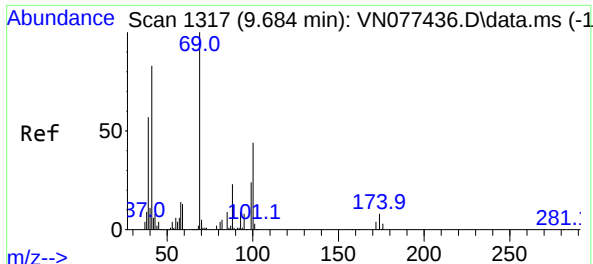
Tgt Ion: 62 Resp: 3131
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 34.840 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 43 Resp: 431376
Ion Ratio Lower Upper
43 100
61 20.6 24.7 37.1#
87 16.5 14.6 21.8





#48

Methyl methacrylate

Concen: 1.545 ug/l

RT: 9.672 min Scan# 1315

Delta R.T. -0.012 min

Lab File: VN077528.D

Acq: 29 Apr 2023 18:54

Instrument :

MSVOA_N

ClientSampleId :

TR-305A-VOC-02

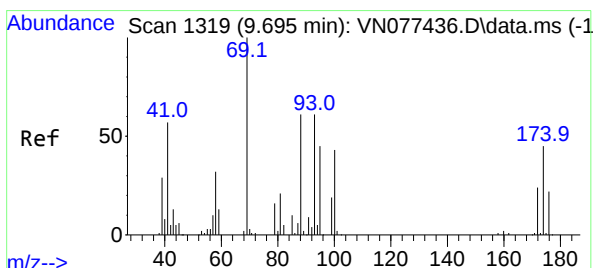
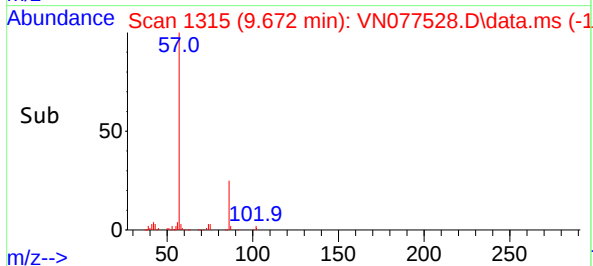
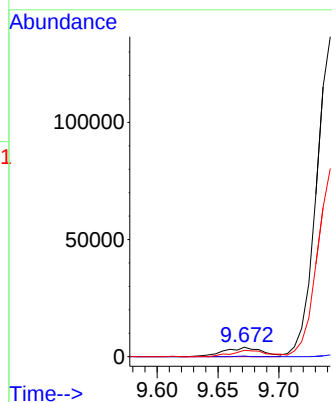
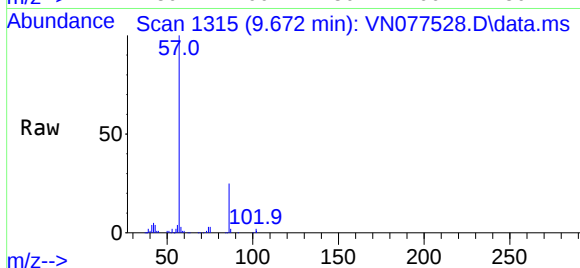
Tgt Ion: 41 Resp: 8707

Ion Ratio Lower Upper

41 100

69 1.7 90.4 135.6#

39 62.9 54.6 81.8



#49

1,4-Dioxane

Concen: 1.372 ug/l

RT: 9.683 min Scan# 1317

Delta R.T. -0.012 min

Lab File: VN077528.D

Acq: 29 Apr 2023 18:54

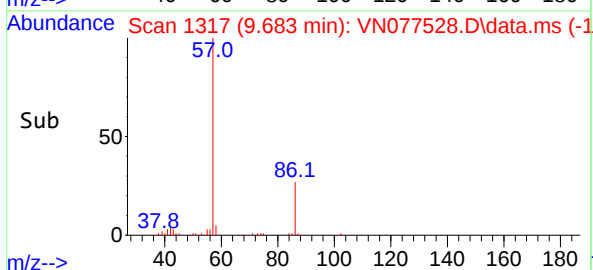
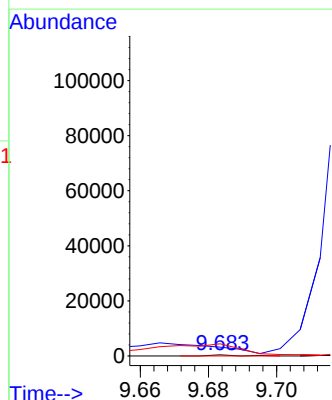
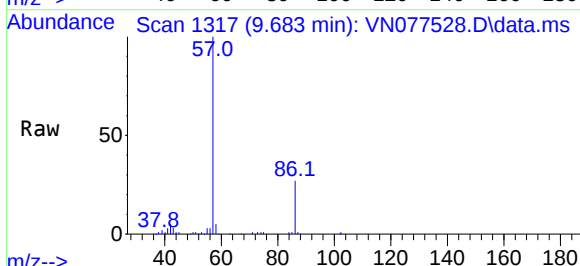
Tgt Ion: 88 Resp: 194

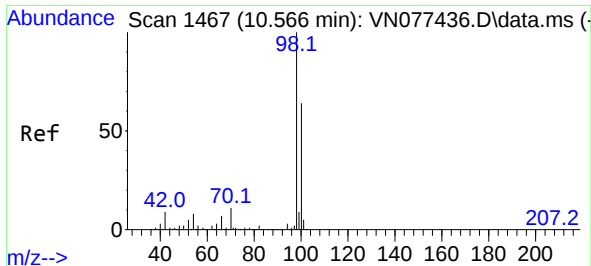
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 4741.2 47.0 70.4#

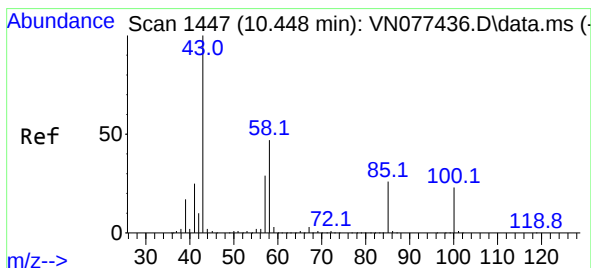
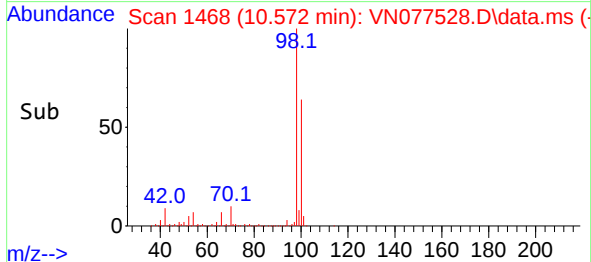
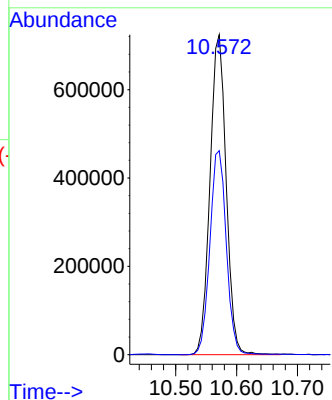
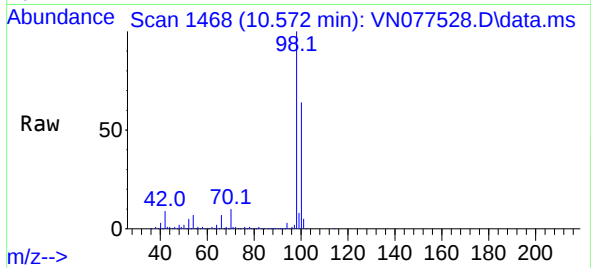




#50
Toluene-d8
Concen: 53.526 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

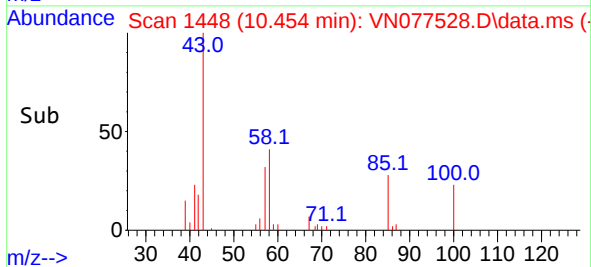
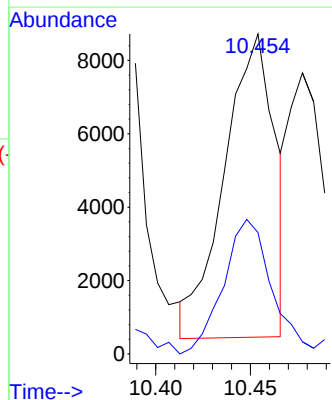
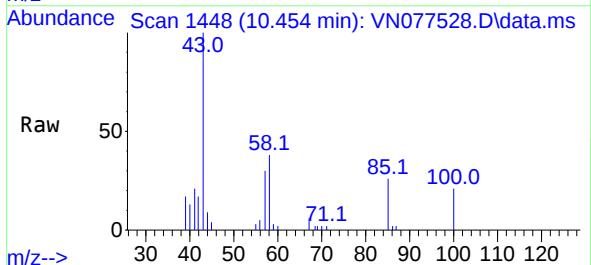
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

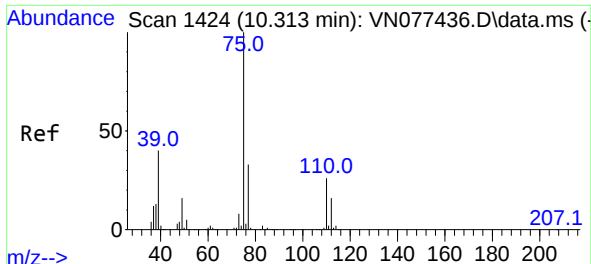
Tgt Ion: 98 Resp: 1337374
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.108 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 43 Resp: 15308
Ion Ratio Lower Upper
43 100
58 42.4 36.6 54.8

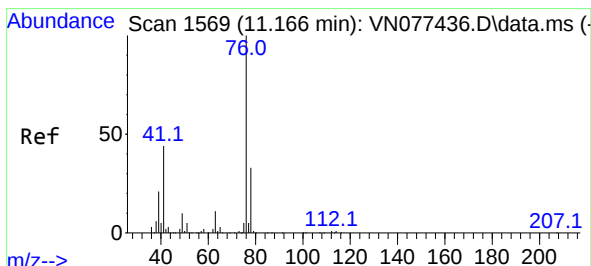
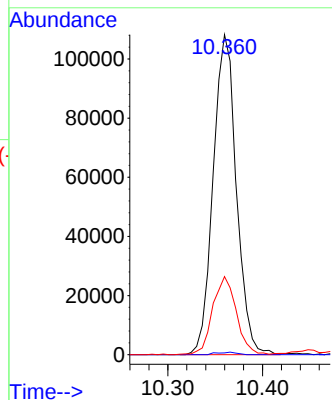
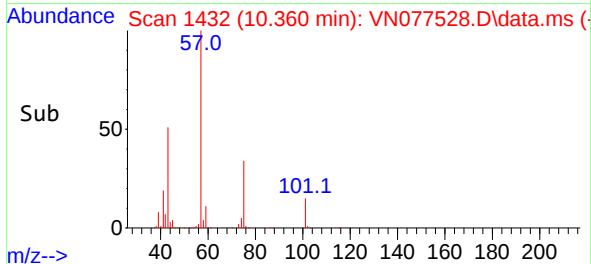
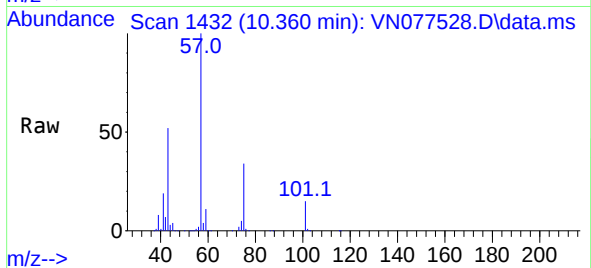




#54
cis-1,3-Dichloropropene
Concen: 15.875 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

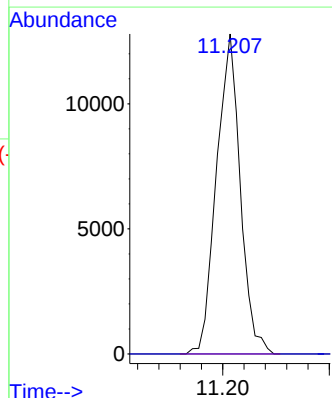
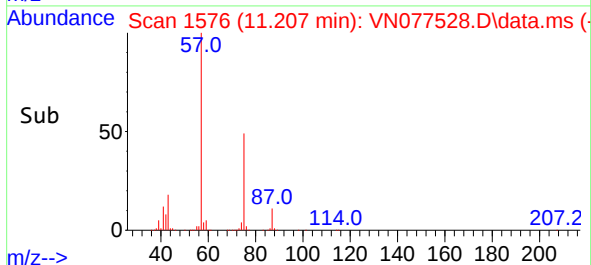
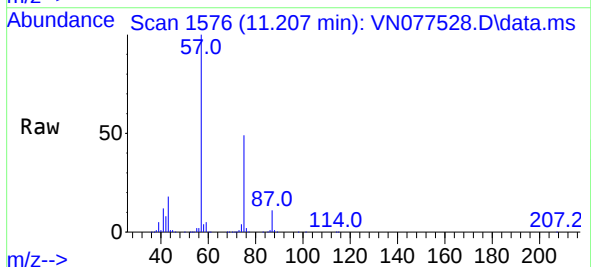
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

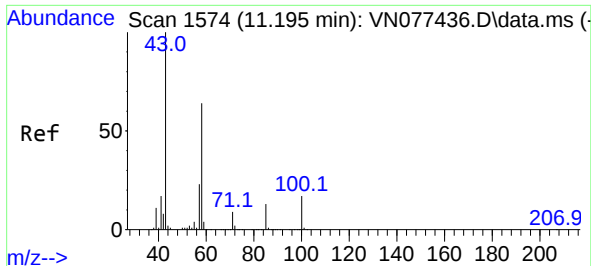
Tgt Ion: 75 Resp: 184579
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 24.2 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.643 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 76 Resp: 19779
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

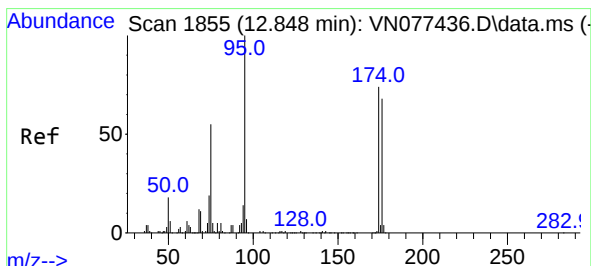
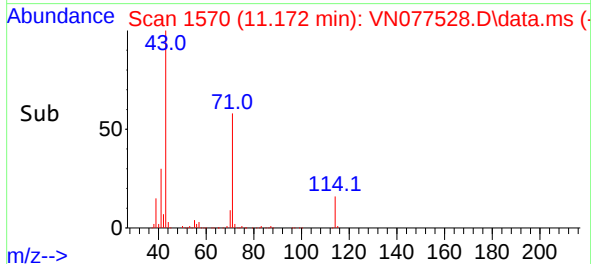
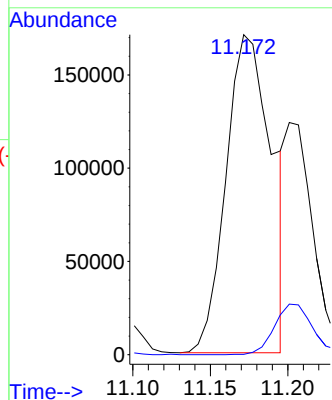
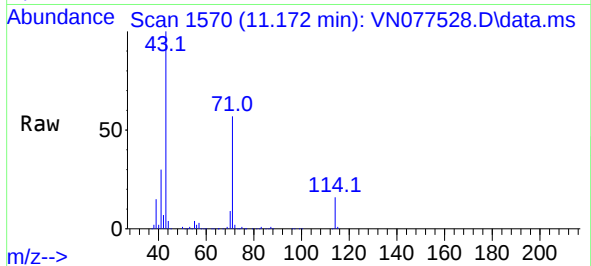




#59
2-Hexanone
Concen: 66.086 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

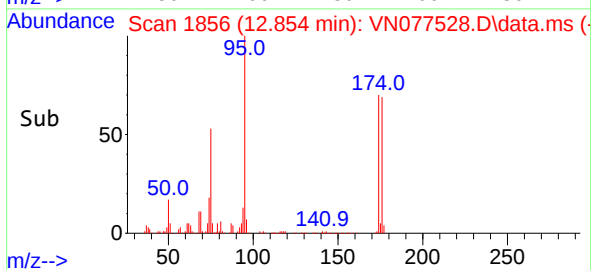
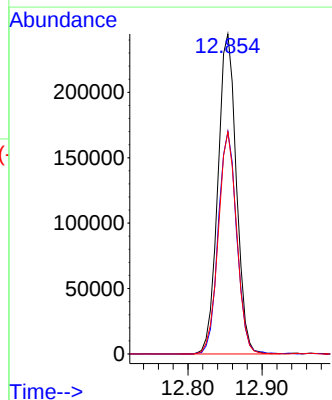
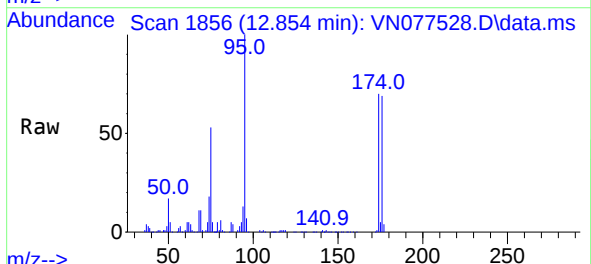
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

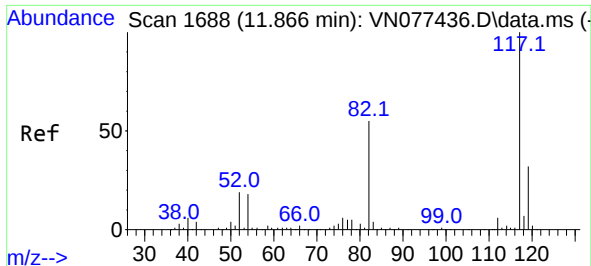
Tgt Ion: 43 Resp: 348865
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.788 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 95 Resp: 423350
Ion Ratio Lower Upper
95 100
174 69.3 0.0 143.8
176 69.0 0.0 135.8

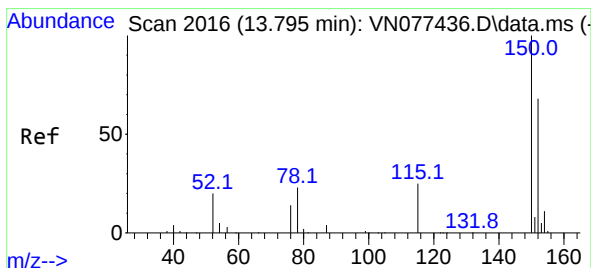
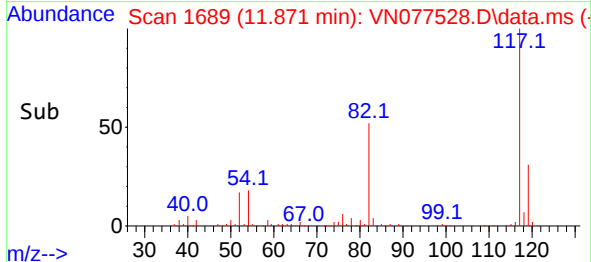
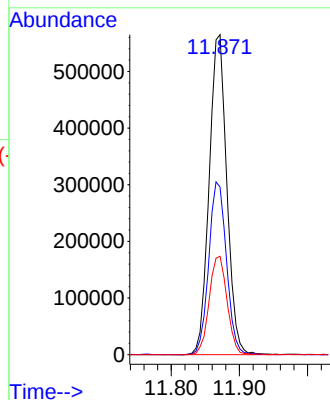
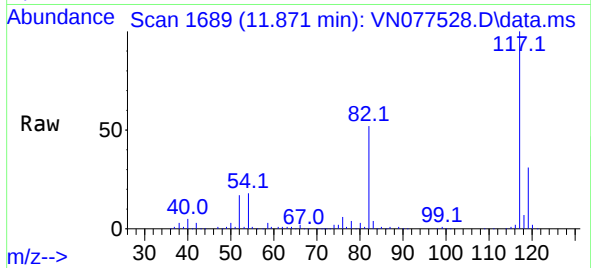




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

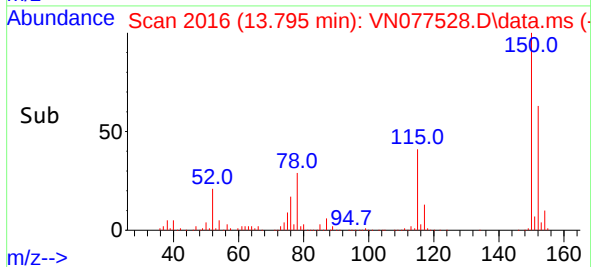
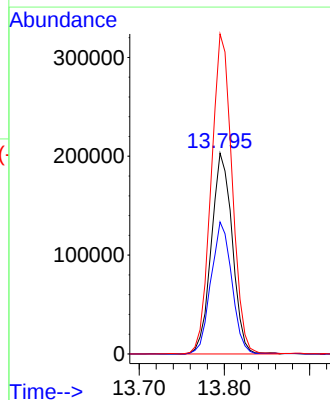
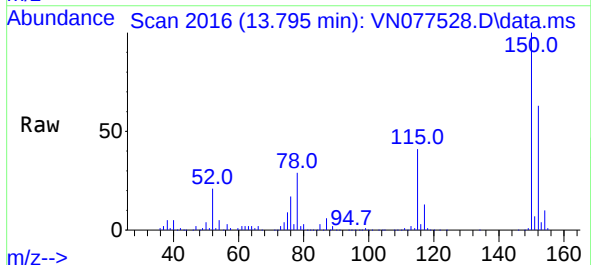
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

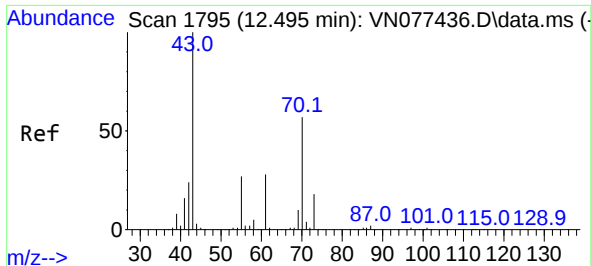
Tgt Ion:117 Resp: 1018681
Ion Ratio Lower Upper
117 100
82 52.4 44.0 66.0
119 30.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion:152 Resp: 347862
Ion Ratio Lower Upper
152 100
115 65.2 32.3 96.8
150 159.0 0.0 355.8

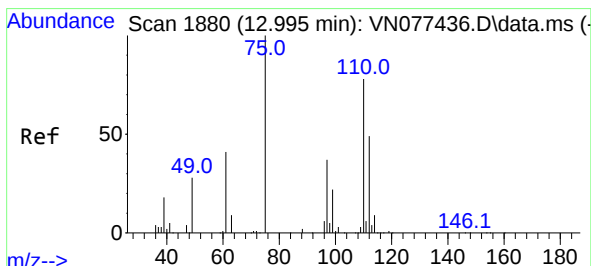
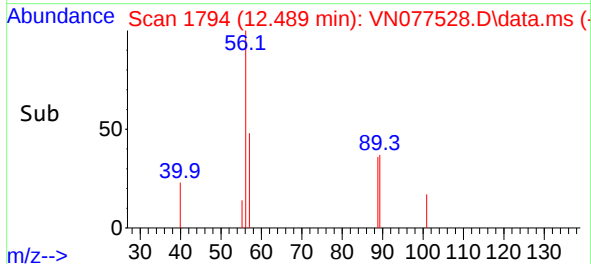
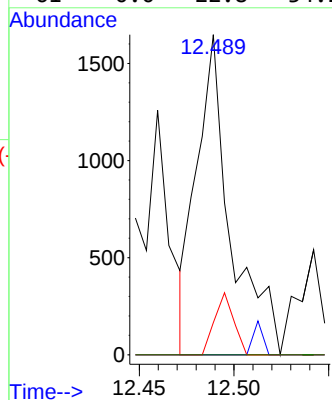
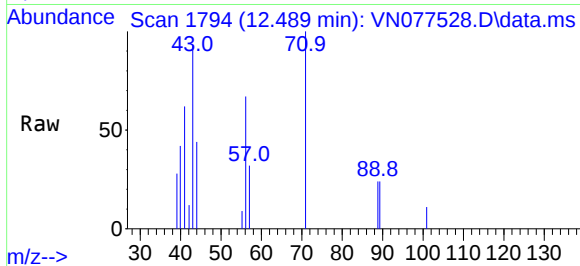




#74
N-amy1 acetate
Concen: 0.215 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

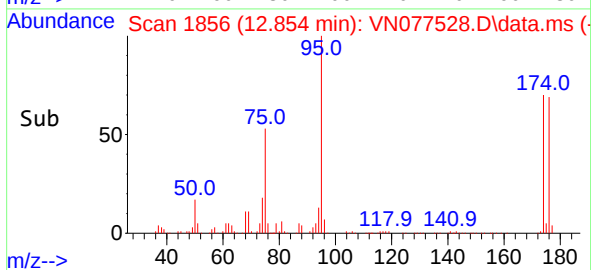
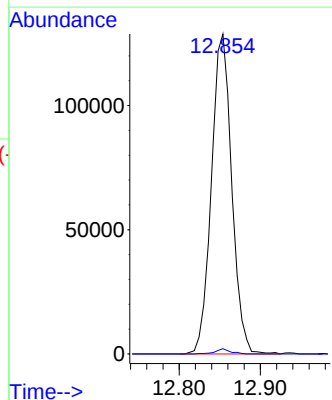
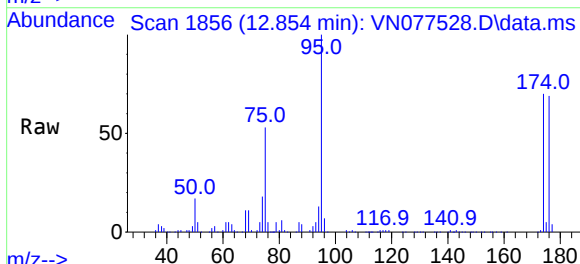
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

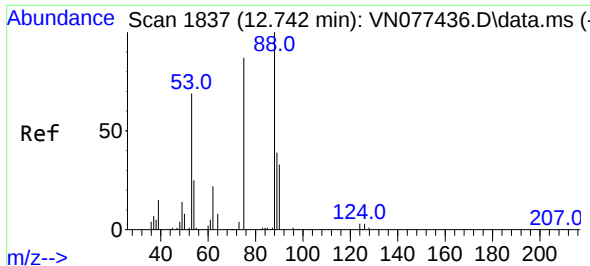
Tgt Ion: 43	Resp: 2059
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 10.9	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.647 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

Tgt Ion: 75	Resp: 223639
Ion Ratio	Lower Upper
75 100	
77 1.2	84.5 253.5#

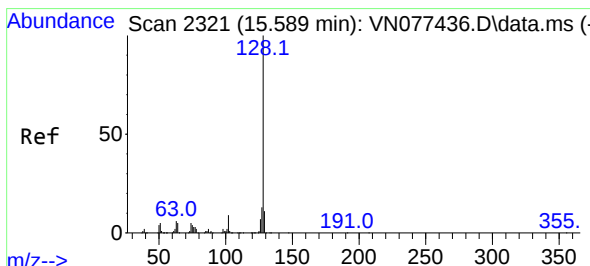
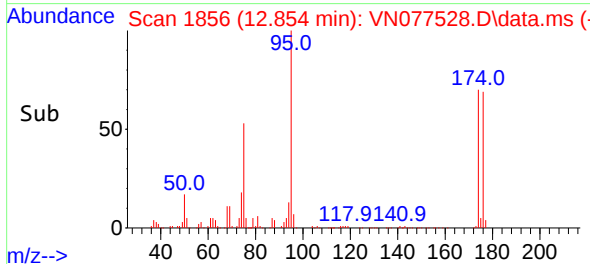
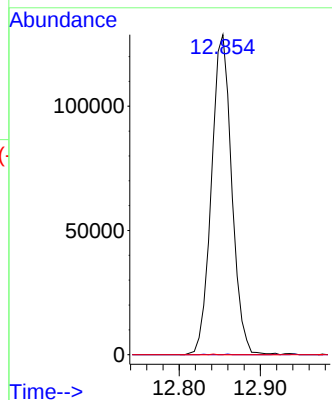
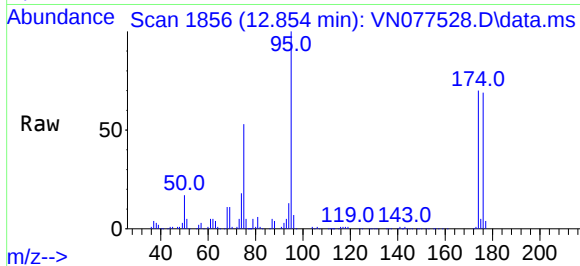




#81
trans-1,4-Dichloro-2-butene
Concen: 78.107 ug/l
RT: 12.854 min Scan# 1837
Delta R.T. 0.112 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

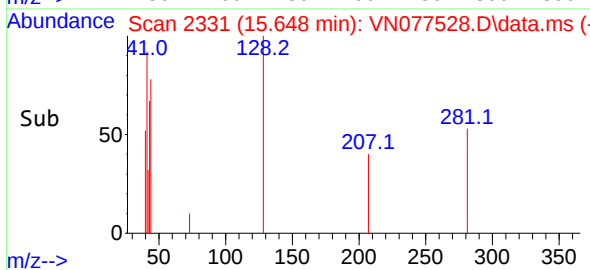
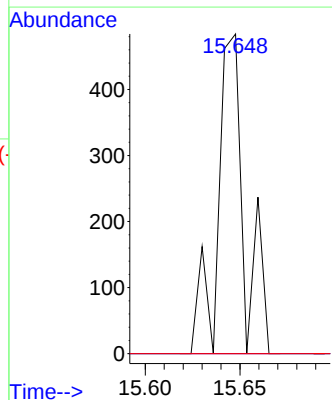
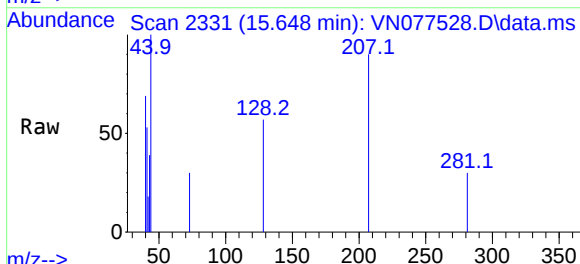
Instrument :
MSVOA_N
ClientSampleId :
TR-305A-VOC-02

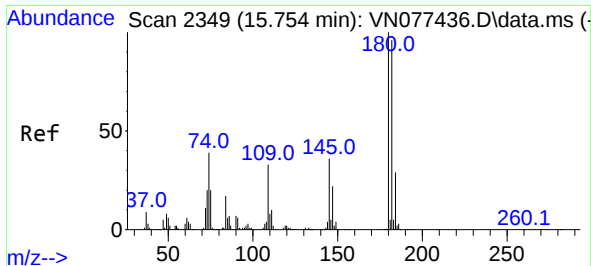
Tgt Ion: 75 Resp: 223639
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.192 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.059 min
Lab File: VN077528.D
Acq: 29 Apr 2023 18:54

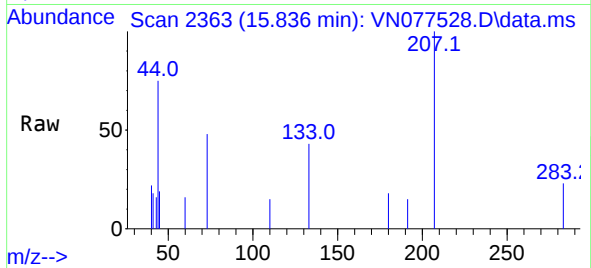
Tgt Ion:128 Resp: 475
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.503 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: VN077528.D
 Acq: 29 Apr 2023 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-305A-VOC-02



Tgt Ion:	180	Resp:	69
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.2	138.6#
145	0.0	17.5	52.6#

