

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076581.D
 Acq On : 26 Jun 2023 15:27
 Operator : KP/SY
 Sample : 03361-11RE
 Misc : 12.69G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-31-36-SB-31-GRAB-5

Quant Time: Jun 27 04:27:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

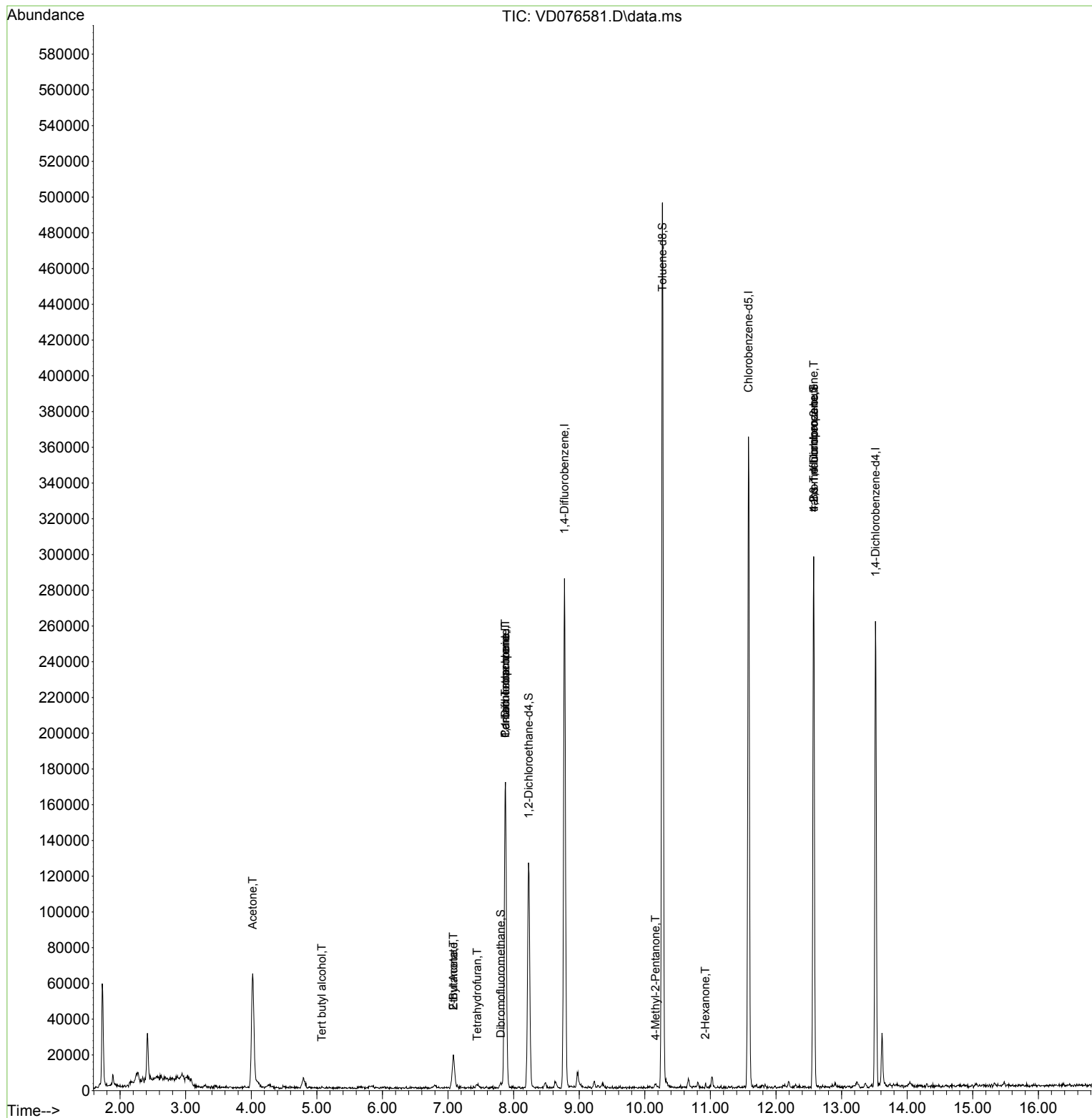
Internal Standards						
1) Pentafluorobenzene	7.875	168	132551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	242066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	202015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	67457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97874	73.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.400%
35) Dibromofluoromethane	7.805	113	2250	1.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	3.120%#
50) Toluene-d8	10.269	98	335067	61.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	122.880%
62) 4-Bromofluorobenzene	12.575	95	88275	49.874	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.740%
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.075	59	129	1.125	ug/l #	73
16) Acetone	4.022	43	112400	355.669	ug/l #	81
20) Methylene Chloride	4.799	84	3453	Below Cal		86
25) 2-Butanone	7.081	43	25755	52.691	ug/l #	75
28) Bromochloromethane	7.422	49	87	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	1794	5.711	ug/l #	38
36) 1,1-Dichloropropene	7.875	75	10803	5.364	ug/l #	48
37) Ethyl Acetate	7.081	43	25755	22.071	ug/l #	63
38) Carbon Tetrachloride	7.875	117	13147	7.304	ug/l #	15
51) 4-Methyl-2-Pentanone	10.163	43	1629	1.442	ug/l #	65
59) 2-Hexanone	10.922	43	1341	1.707	ug/l	75
76) 1,2,3-Trichloropropane	12.575	75	46961	70.144	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	46961	153.701	ug/l #	17

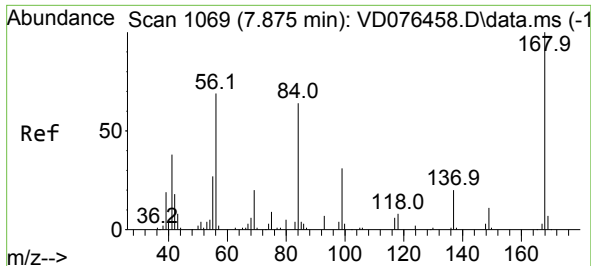
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration

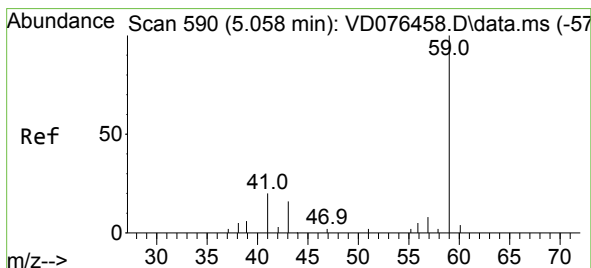
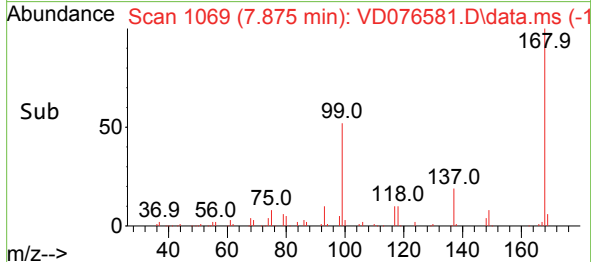
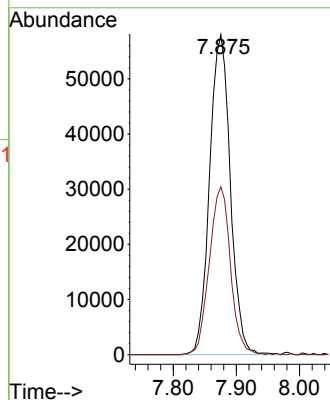
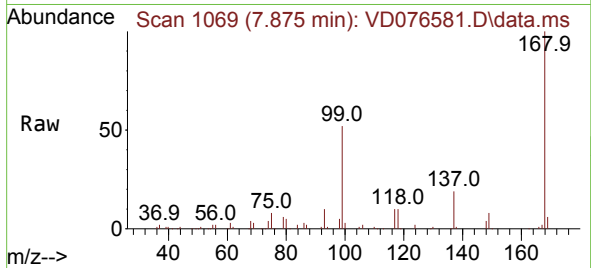




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

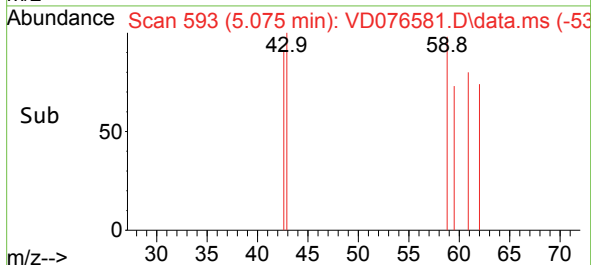
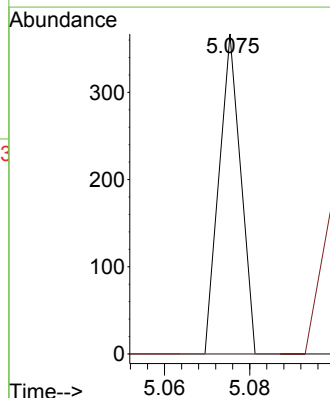
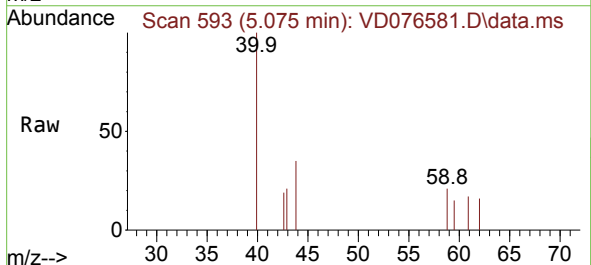
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

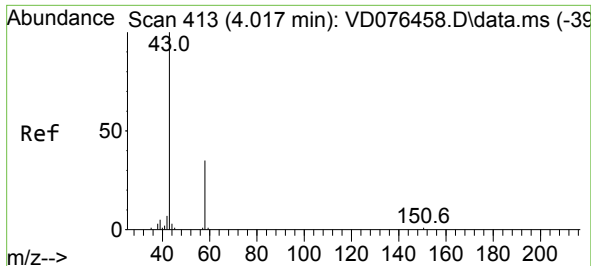
Tgt Ion:168 Resp: 132551
Ion Ratio Lower Upper
168 100
99 52.5 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.125 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.018 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

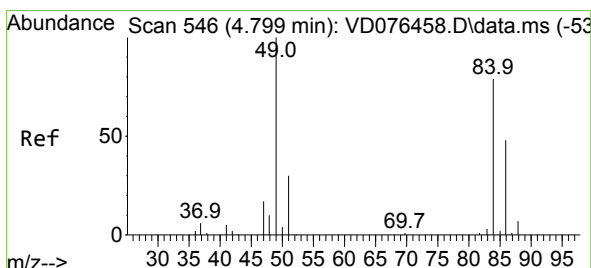
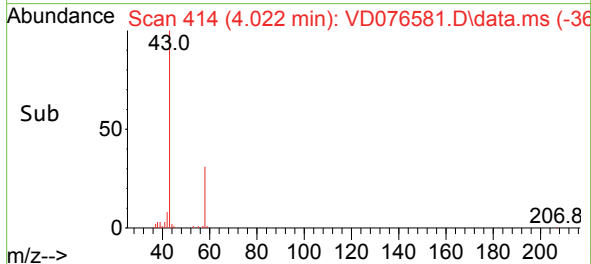
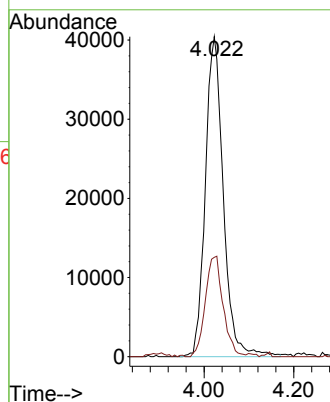
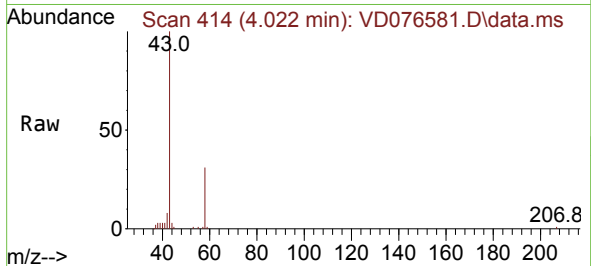




#16
Acetone
Concen: 355.669 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

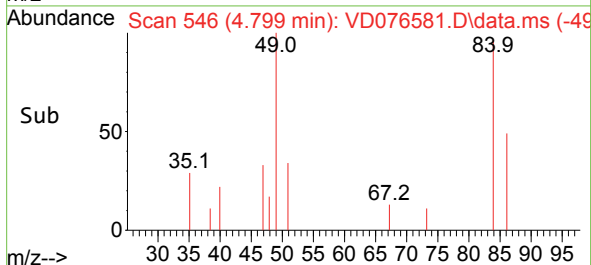
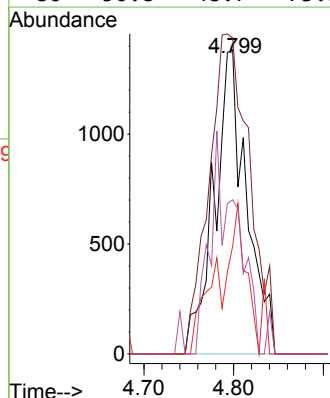
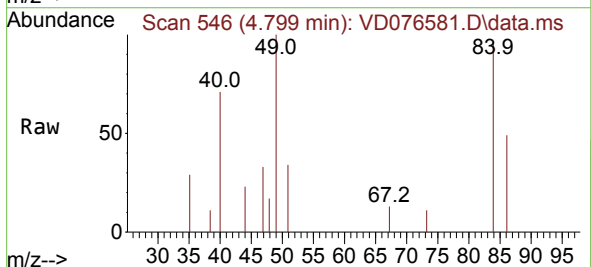
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

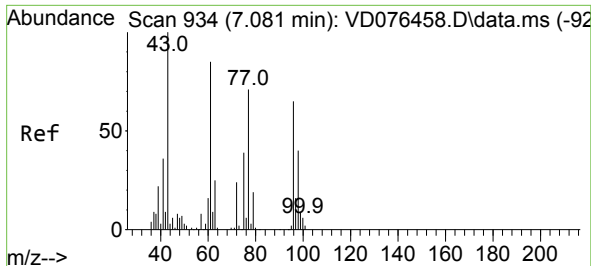
Tgt Ion: 43 Resp: 112400
Ion Ratio Lower Upper
43 100
58 31.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Tgt Ion: 84 Resp: 3453
Ion Ratio Lower Upper
84 100
49 104.0 71.4 107.2
51 35.4 24.5 36.7
86 50.8 48.7 73.1

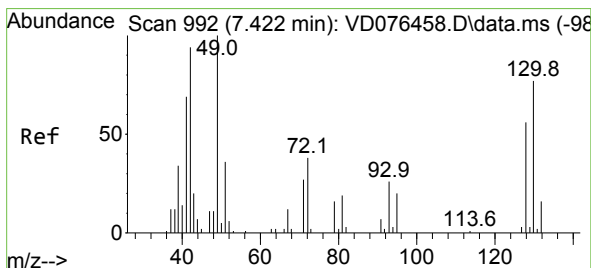
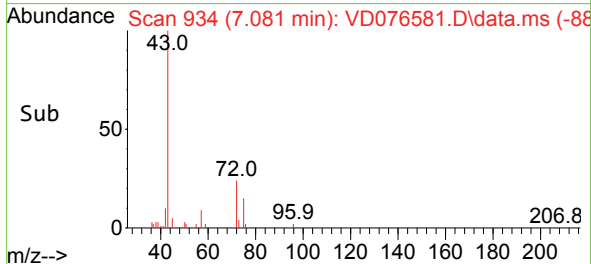
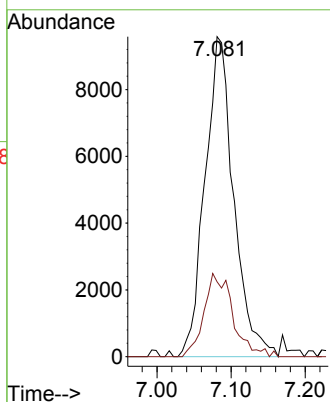
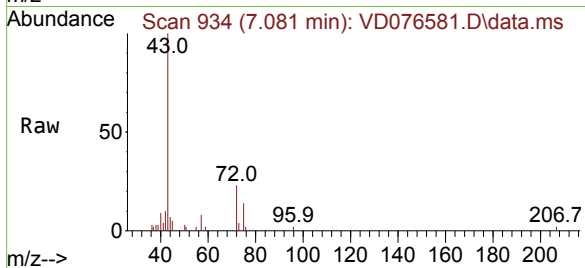




#25
2-Butanone
Concen: 52.691 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

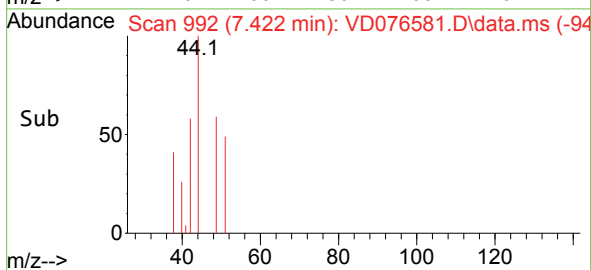
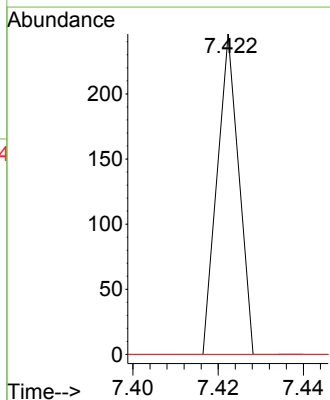
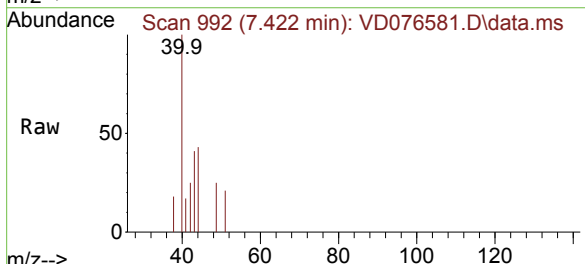
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-31-36-SB-31-GRAB-5

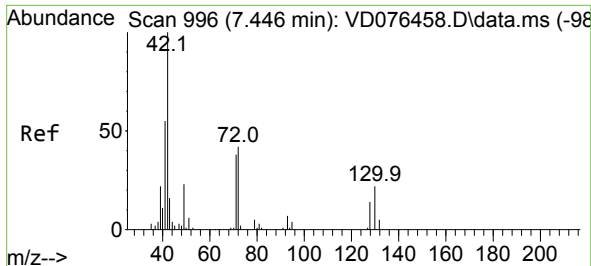
Tgt Ion: 43 Resp: 25755
Ion Ratio Lower Upper
43 100
72 23.4 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

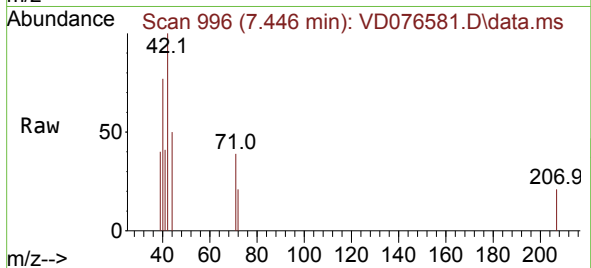
Tgt Ion: 49 Resp: 87
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



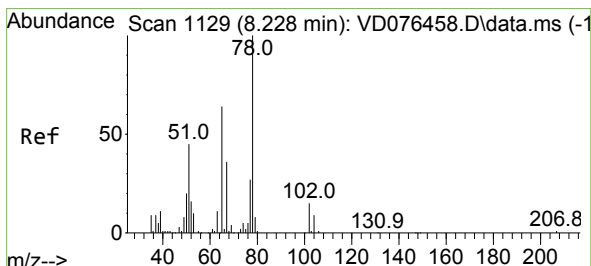
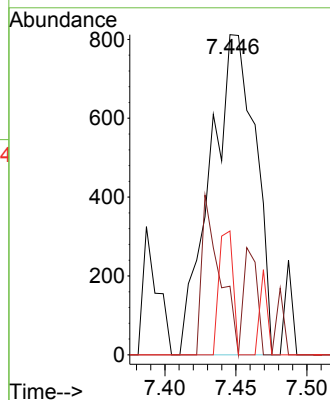
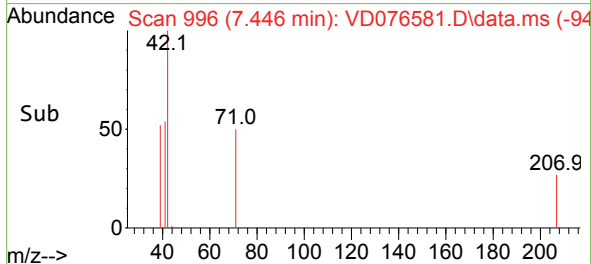


#29
Tetrahydrofuran
Concen: 5.711 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

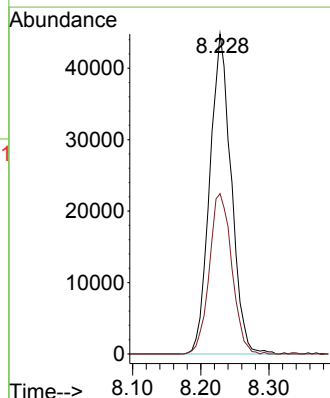
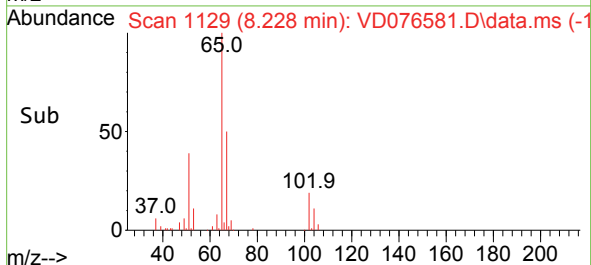
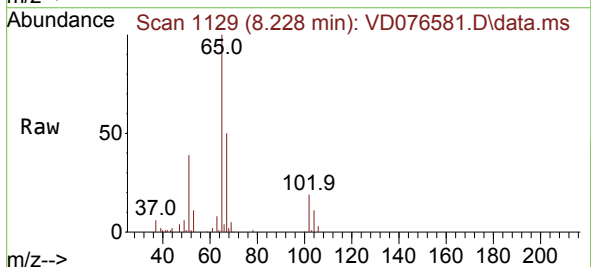


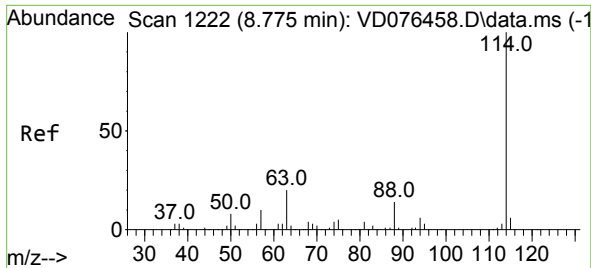
Tgt Ion: 42 Resp: 1794
Ion Ratio Lower Upper
42 100
72 10.0 46.5 69.7#
71 12.1 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 73.698 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Tgt Ion: 65 Resp: 97874
Ion Ratio Lower Upper
65 100
67 52.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076581.D

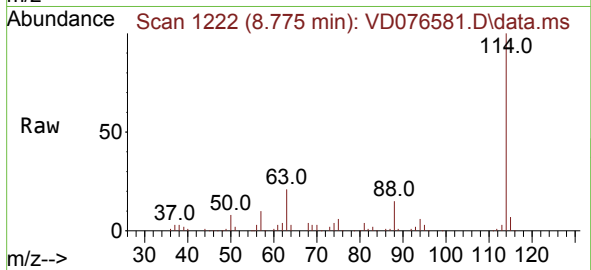
Acq: 26 Jun 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-31-36-SB-31-GRAB-5



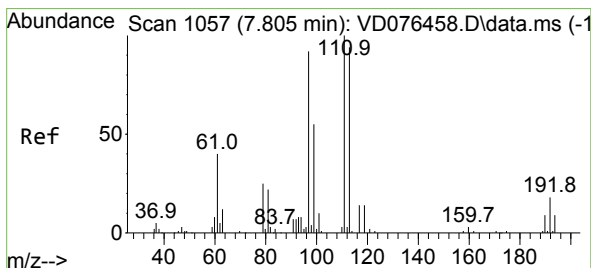
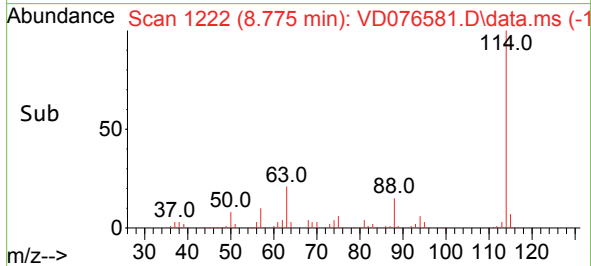
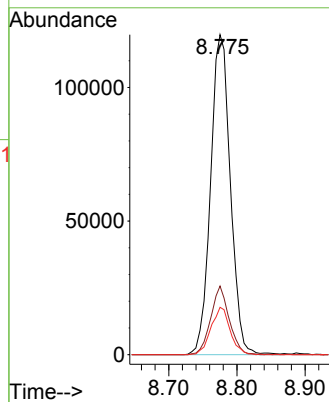
Tgt Ion:114 Resp: 242066

Ion Ratio Lower Upper

114 100

63 21.5 0.0 33.4

88 14.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 1.565 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076581.D

Acq: 26 Jun 2023 15:27

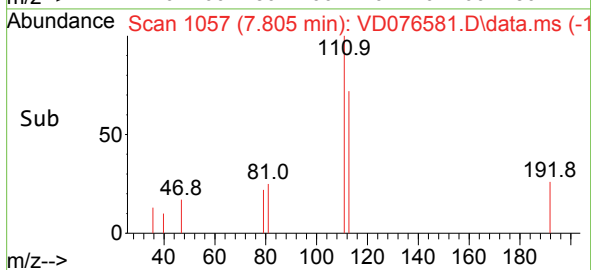
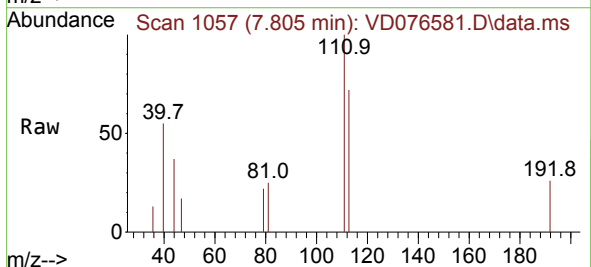
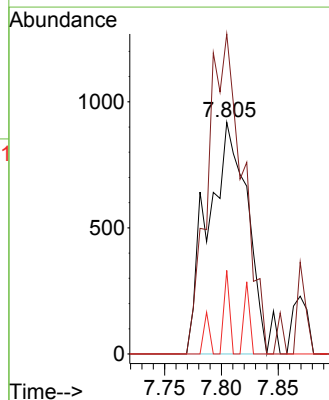
Tgt Ion:113 Resp: 2250

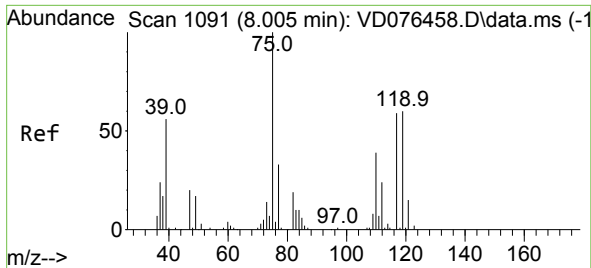
Ion Ratio Lower Upper

113 100

111 121.0 84.7 127.1

192 5.2 16.8 25.2#

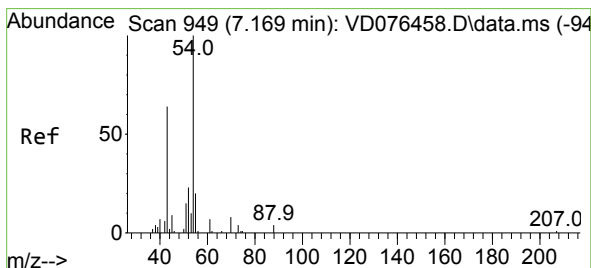
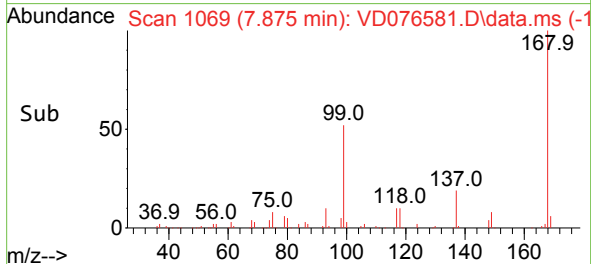
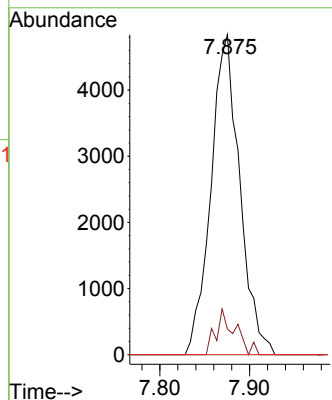
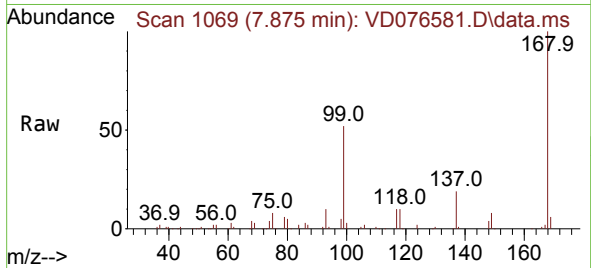




#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

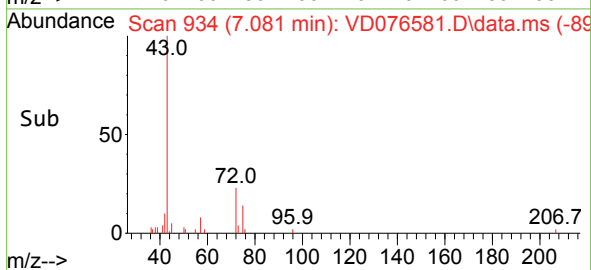
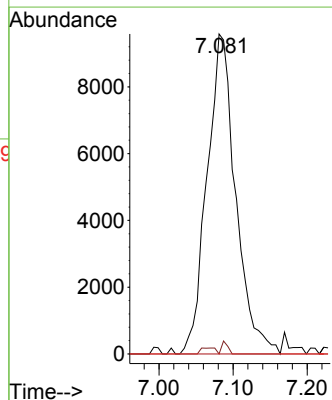
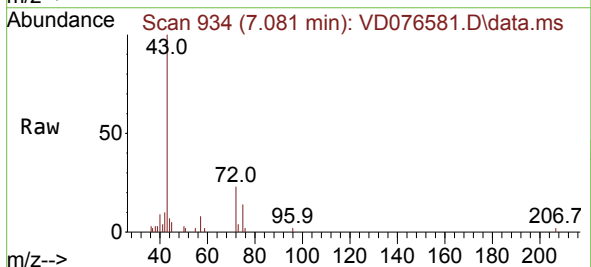
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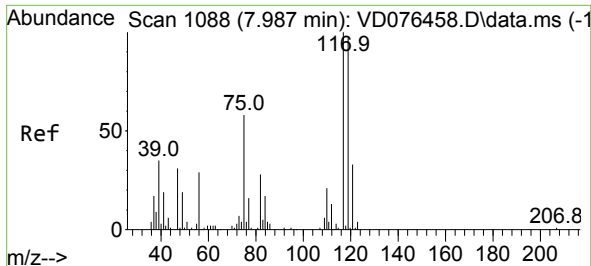
Tgt Ion: 75 Resp: 10803
Ion Ratio Lower Upper
75 100
110 9.4 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 22.071 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.088 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Tgt Ion: 43 Resp: 25755
Ion Ratio Lower Upper
43 100
61 0.8 14.9 22.3#
70 0.0 10.0 15.0#

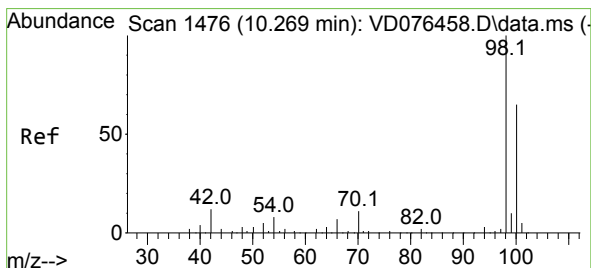
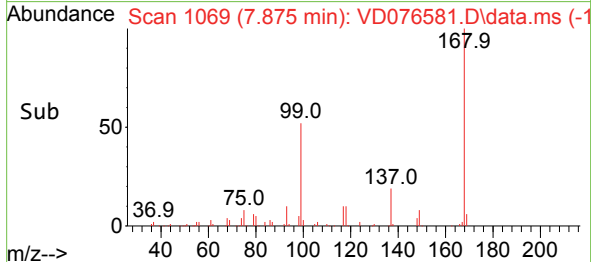
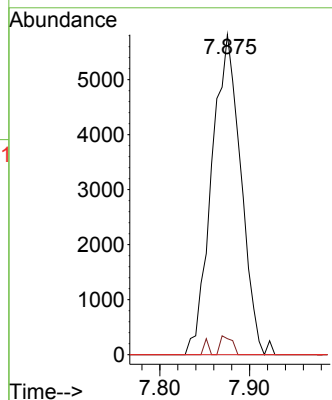
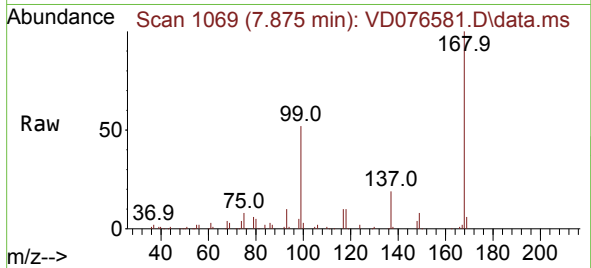




#38
Carbon Tetrachloride
Concen: 7.304 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

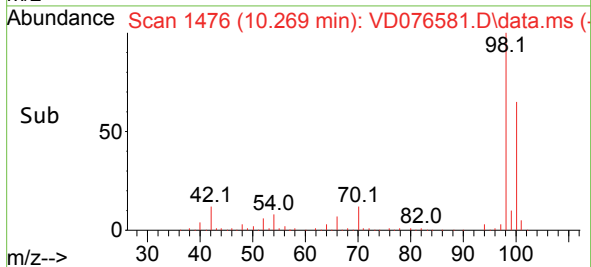
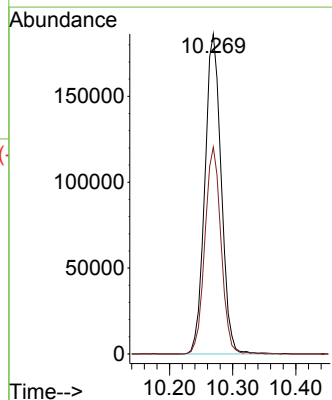
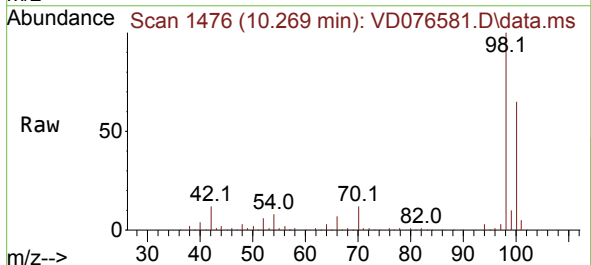
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

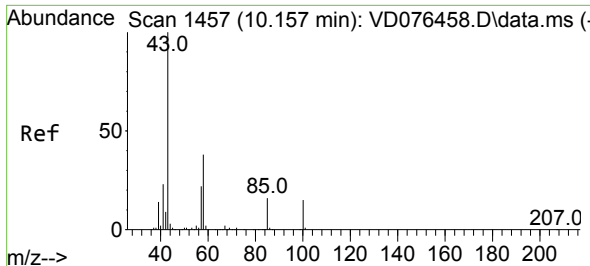
Tgt Ion:117 Resp: 13147
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 61.438 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

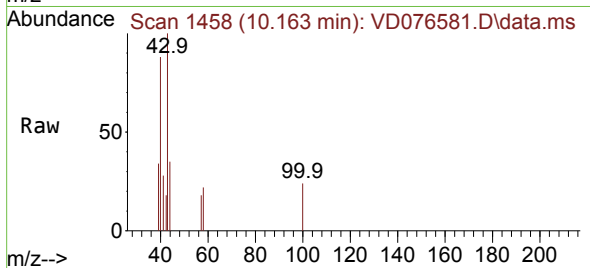
Tgt Ion: 98 Resp: 335067
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



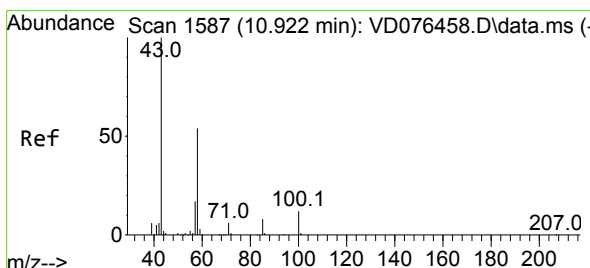
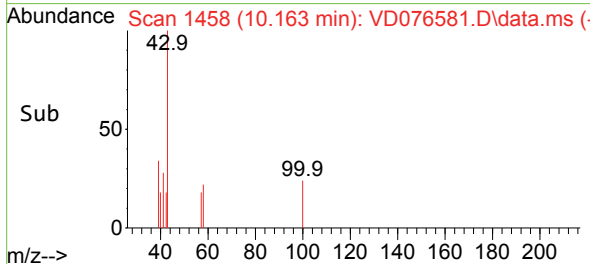
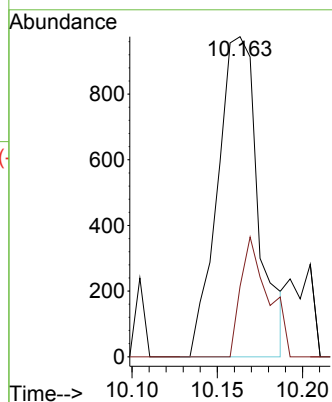


#51
4-Methyl-2-Pentanone
Concen: 1.442 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

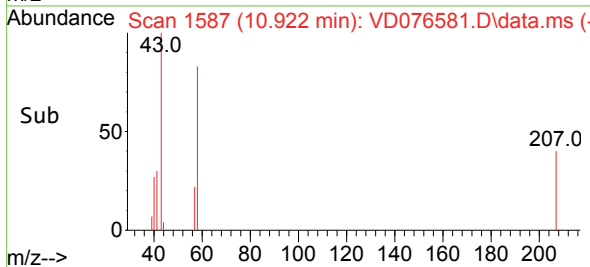
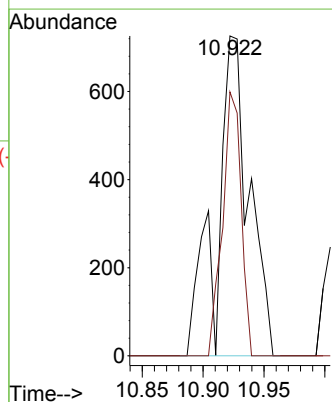
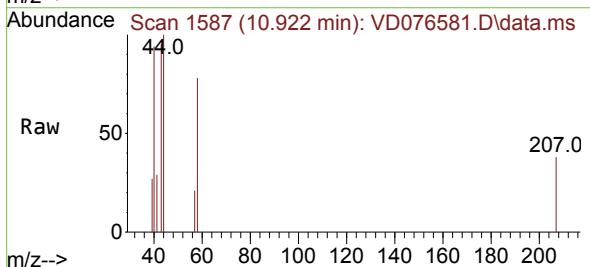


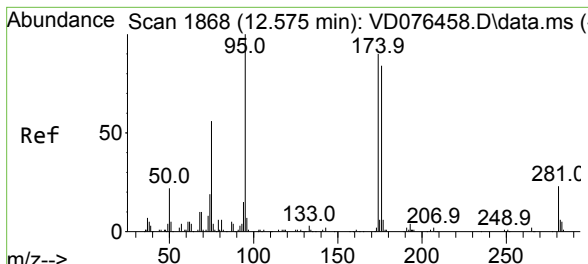
Tgt Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
58 25.1 38.9 58.3#



#59
2-Hexanone
Concen: 1.707 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076581.D
Acq: 26 Jun 2023 15:27

Tgt Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
58 47.5 34.1 102.2

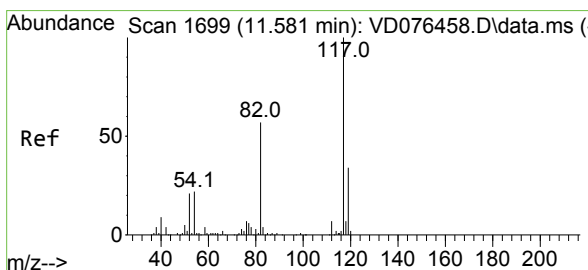
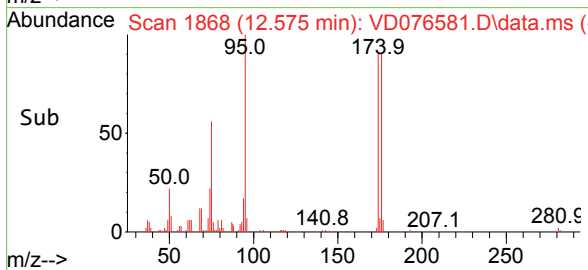
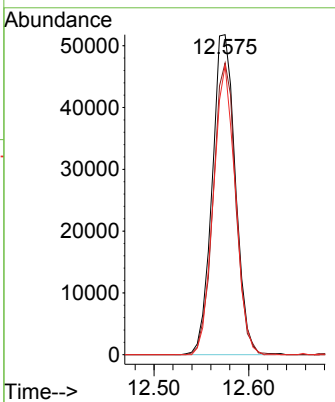
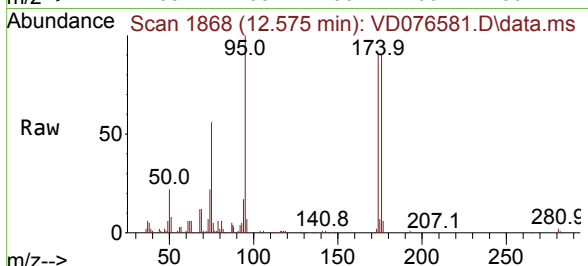




#62
 4-Bromofluorobenzene
 Concen: 49.874 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VD076581.D
 Acq: 26 Jun 2023 15:27

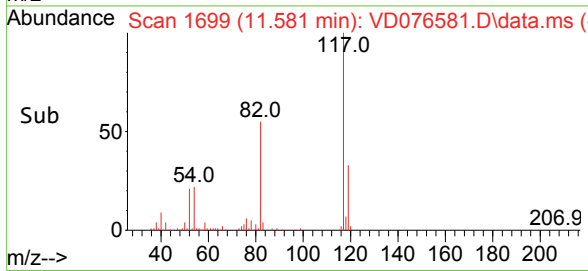
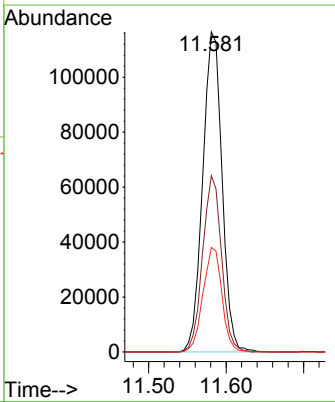
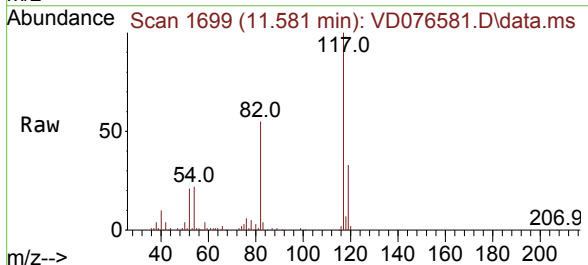
Instrument : MSVOA_D
 ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5

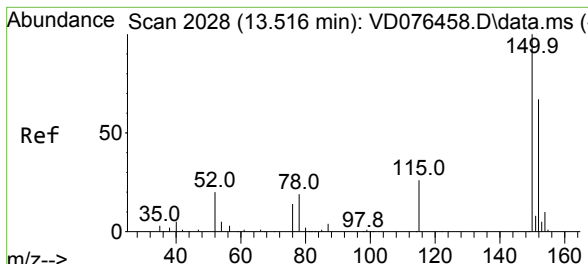
Tgt Ion:	95	Resp:	88275
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	201.8
176	85.2	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD076581.D
 Acq: 26 Jun 2023 15:27

Tgt Ion:	117	Resp:	202015
Ion Ratio	Lower	Upper	
117	100		
82	55.1	38.3	57.5
119	32.7	25.0	37.4

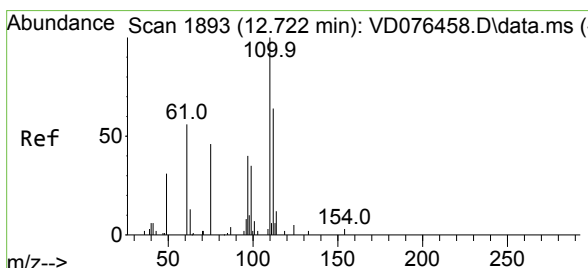
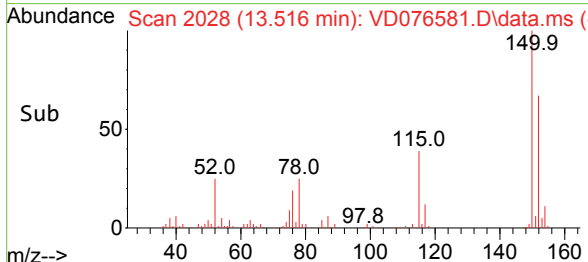
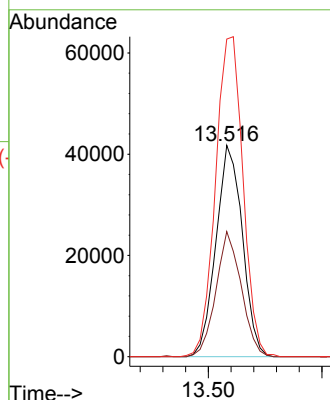
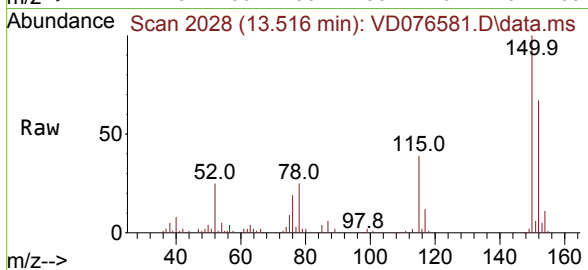




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD076581.D
 Acq: 26 Jun 2023 15:27

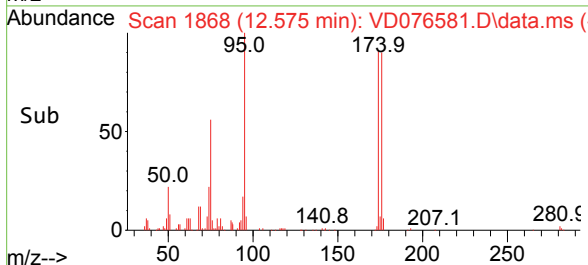
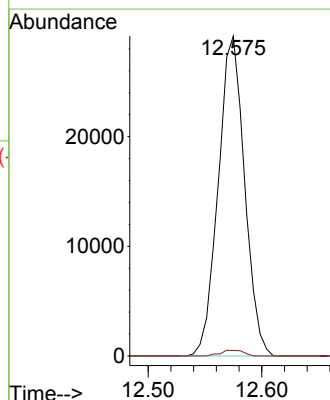
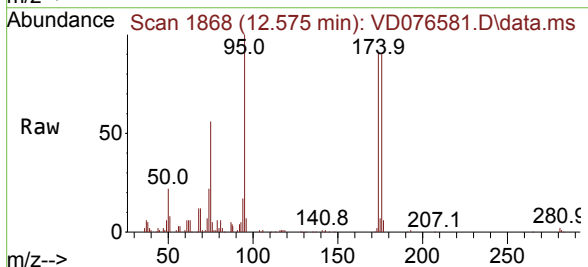
Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-31-36-SB-31-GRAB-5

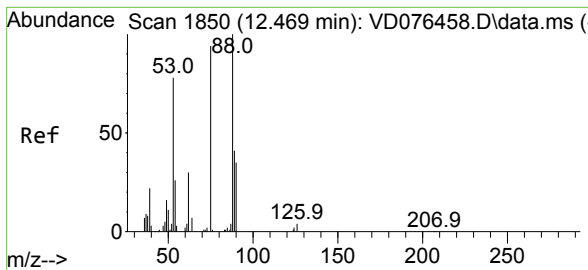
Tgt Ion:152 Resp: 67457
 Ion Ratio Lower Upper
 152 100
 115 56.7 27.1 81.3
 150 157.3 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 70.144 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076581.D
 Acq: 26 Jun 2023 15:27

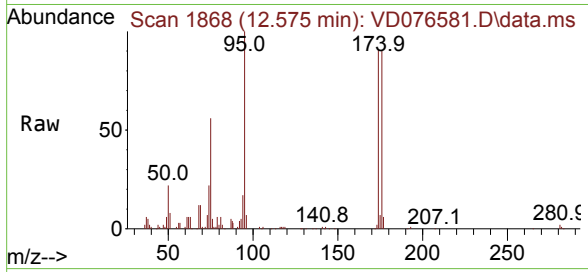
Tgt Ion: 75 Resp: 46961
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.701 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD076581.D
 Acq: 26 Jun 2023 15:27

Instrument : MSVOA_D
 ClientSampleId : TOTAL-VOC-SB-31-36-SB-31-GRAB-5



Tgt Ion:	75	Resp:	46961
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

