

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040947.D
 Acq On : 22 Dec 2023 2:05
 Operator : SY/MD
 Sample : 05848-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Quant Time: Dec 22 03:42:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

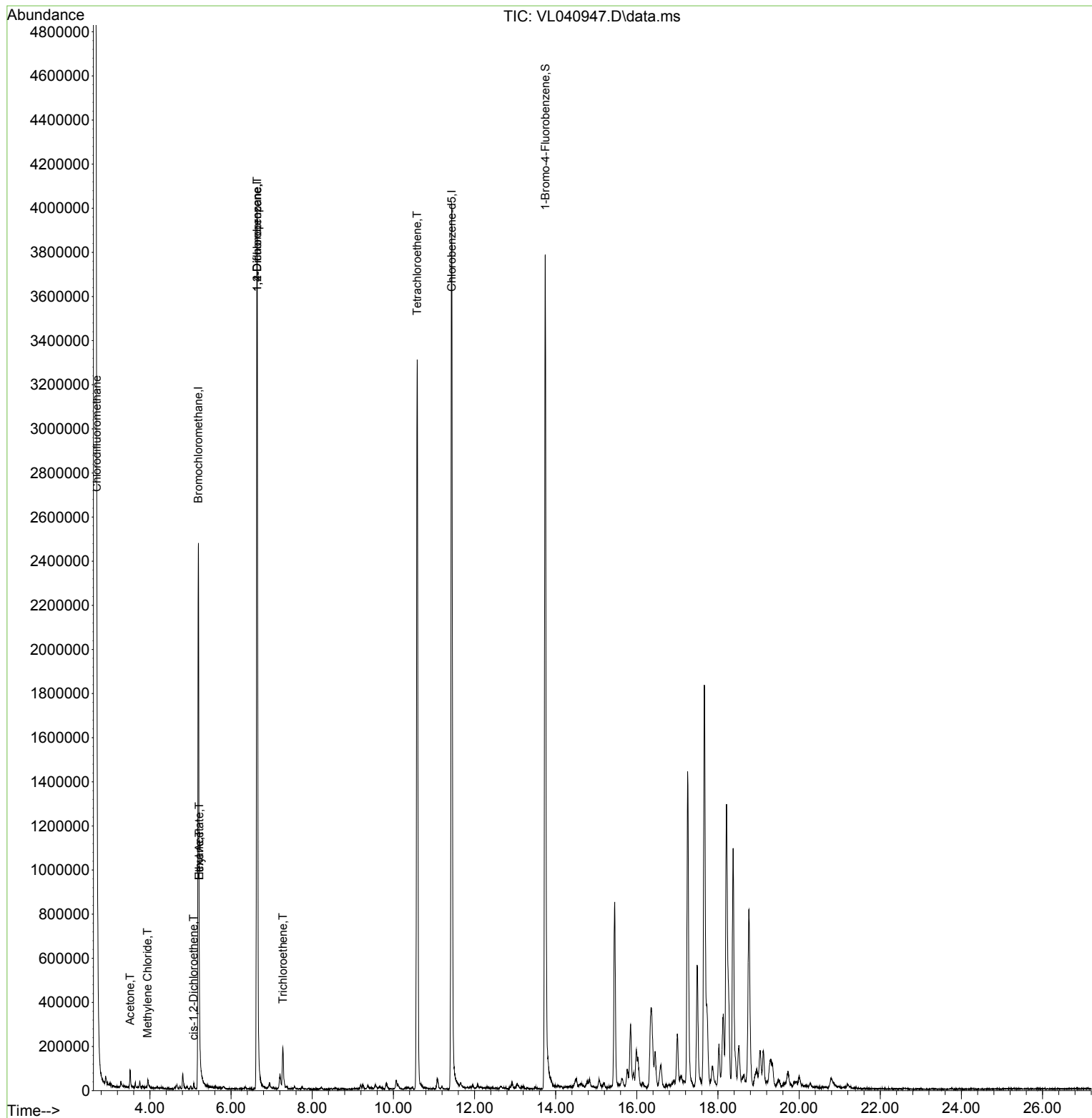
Internal Standards						
1) Bromochloromethane	5.192	49	1215686	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	3194644	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2752616	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1983210	9.781	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
3) Chlorodifluoromethane	2.690	51	34599	0.189	ppbv #	60
15) Acetone	3.510	43	50876	0.349	ppbv #	87
20) Methylene Chloride	3.944	84	5636	0.108	ppbv #	81
25) Ethyl Acetate	5.214	43	23620	0.093	ppbv #	83
26) Hexane	5.214	57	25916	0.231	ppbv #	39
31) cis-1,2-Dichloroethene	5.076	61	6282	0.055	ppbv	93
38) Trichloroethene	7.279	130	55755	0.594	ppbv	99
39) 1,2-Dichloropropane	6.642	63	754711	7.690	ppbv #	23
52) Tetrachloroethene	10.587	164	839049	9.974	ppbv	93

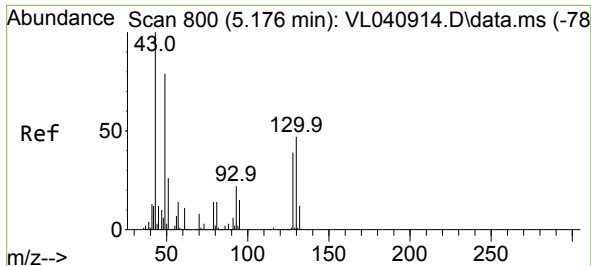
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

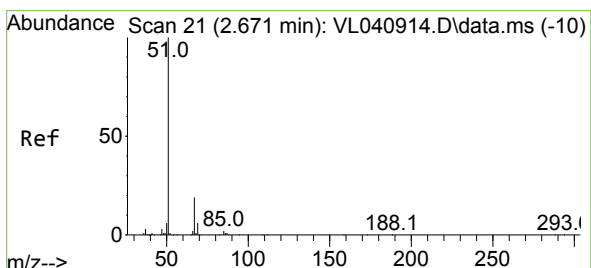
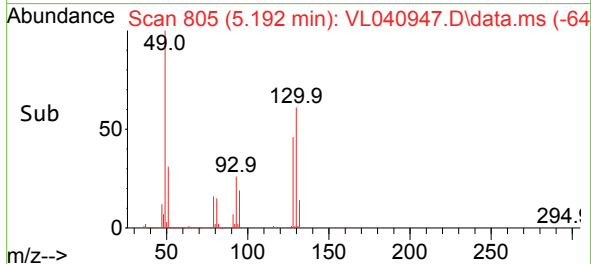
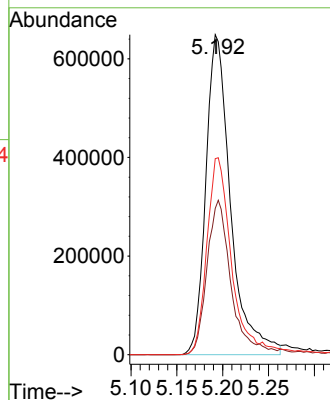
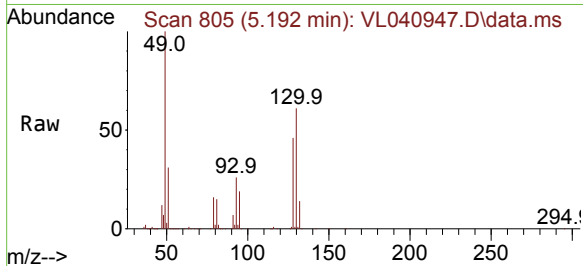




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

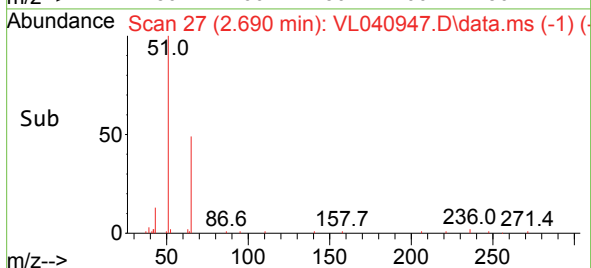
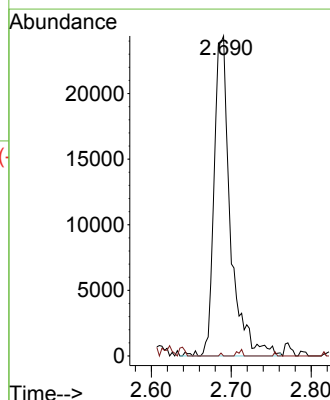
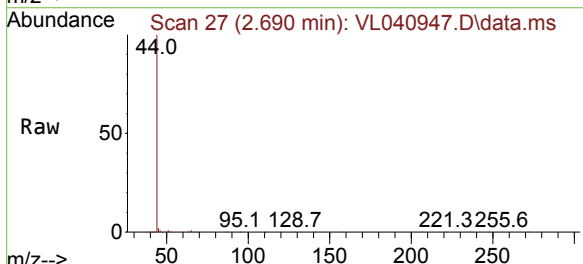
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MSVOA_L
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SV4DL2

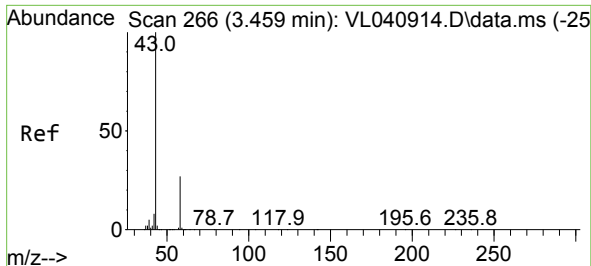
Tgt Ion: 49 Resp: 1215686
Ion Ratio Lower Upper
49 100
128 49.5 23.8 71.2
130 64.1 30.1 90.5



#3
Chlorodifluoromethane
Concen: 0.189 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.019 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Tgt Ion: 51 Resp: 34599
Ion Ratio Lower Upper
51 100
67 0.6 14.7 22.1#

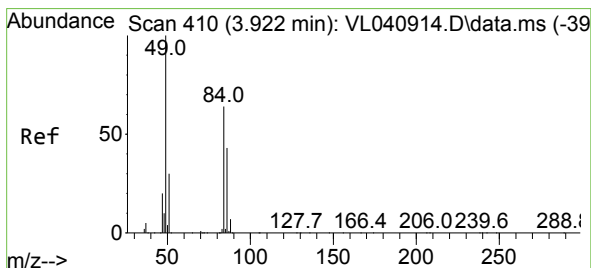
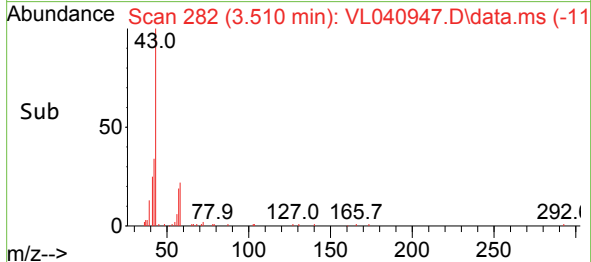
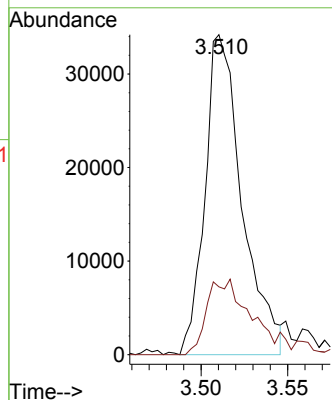
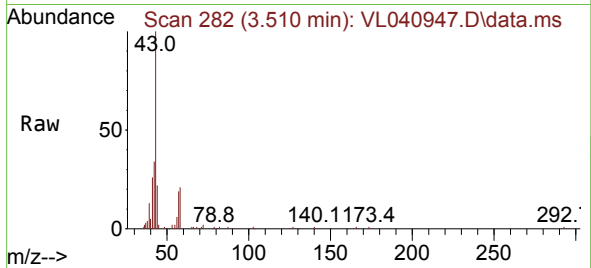




#15
Acetone
Concen: 0.349 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.052 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

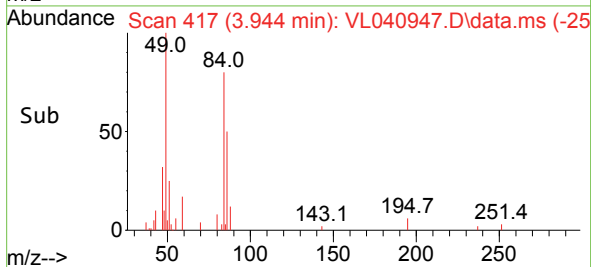
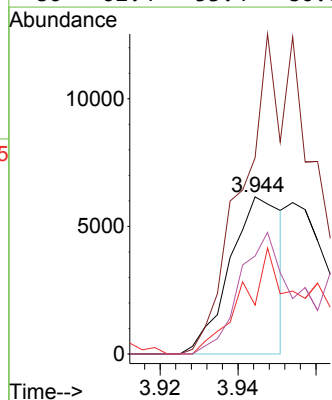
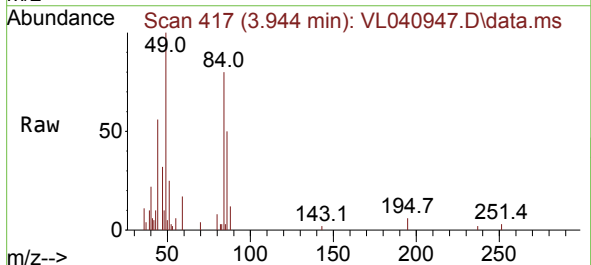
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

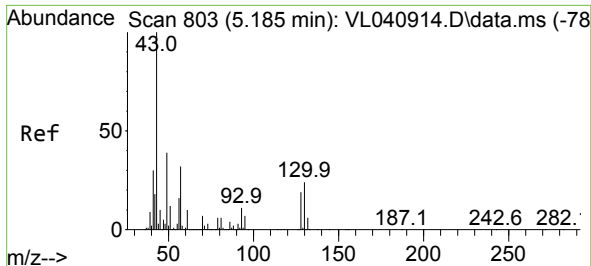
Tgt Ion: 43 Resp: 50876
Ion Ratio Lower Upper
43 100
58 32.4 20.6 30.8#



#20
Methylene Chloride
Concen: 0.108 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.023 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Tgt Ion: 84 Resp: 5636
Ion Ratio Lower Upper
84 100
49 124.9 124.6 187.0
51 31.1 37.2 55.8#
86 62.4 53.4 80.0

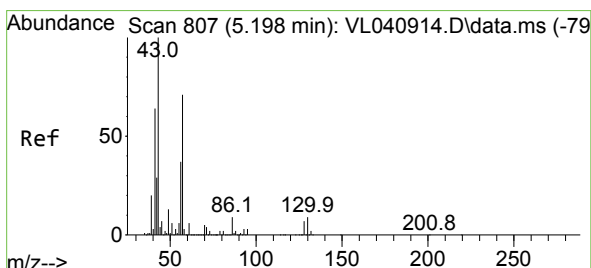
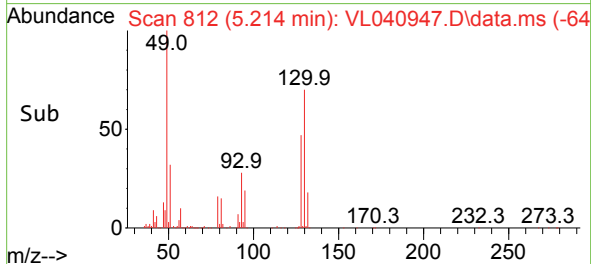
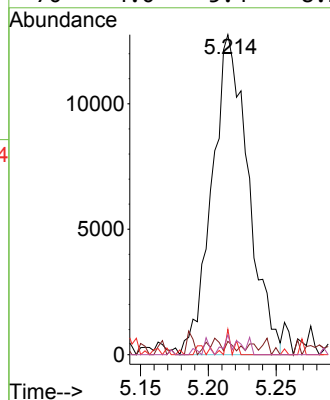
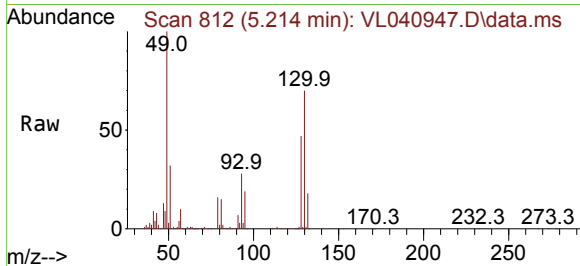




#25
Ethyl Acetate
Concen: 0.093 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.029 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

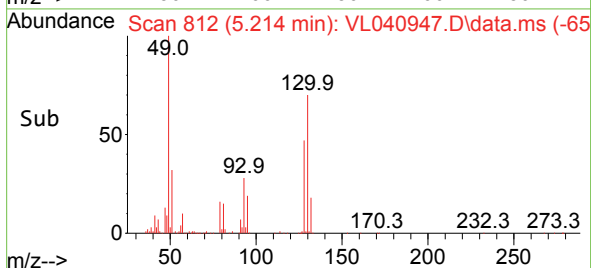
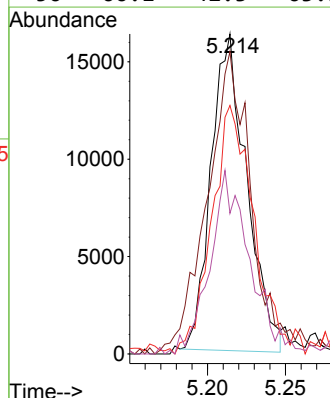
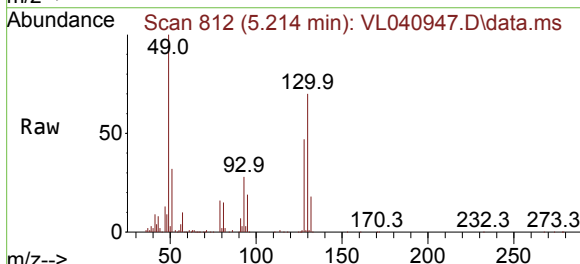
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

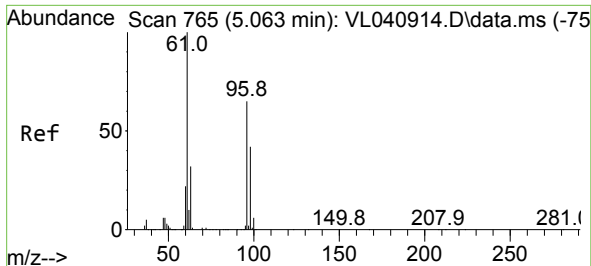
Tgt Ion:	43	Resp:	23620
Ion	Ratio	Lower	Upper
43	100		
45	5.1	8.2	12.2#
61	0.0	7.6	11.4#
70	4.0	5.4	8.2#



#26
Hexane
Concen: 0.231 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.016 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Tgt Ion:	57	Resp:	25916
Ion	Ratio	Lower	Upper
57	100		
41	120.6	75.2	112.8#
43	94.7	188.0	282.0#
56	66.1	42.3	63.5#

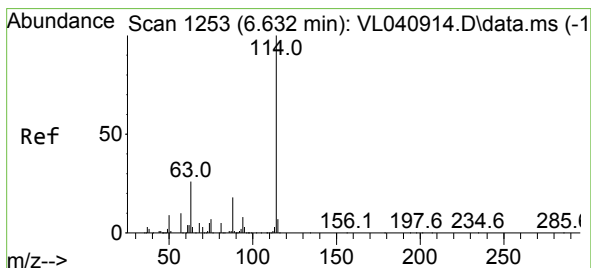
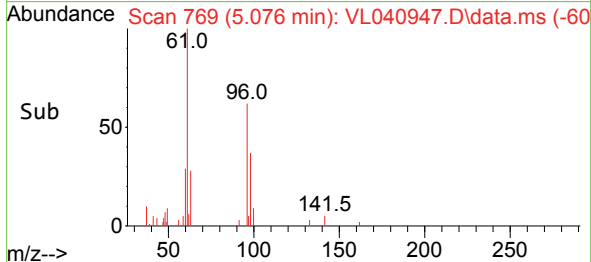
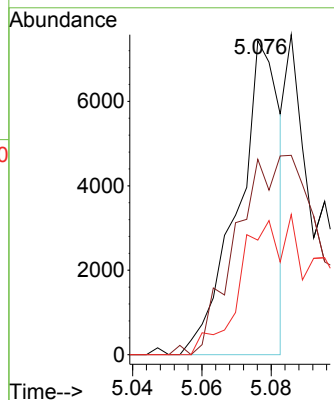
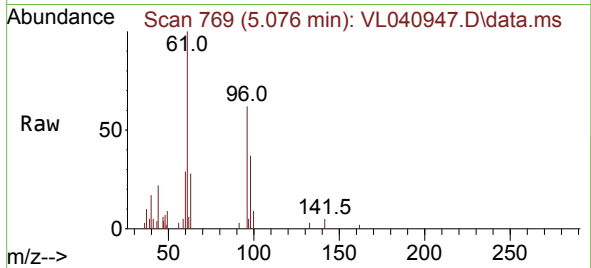




#31
 cis-1,2-Dichloroethene
 Concen: 0.055 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.013 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

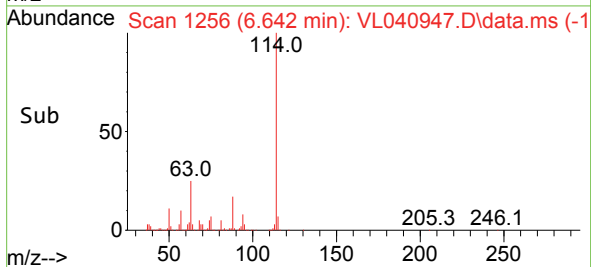
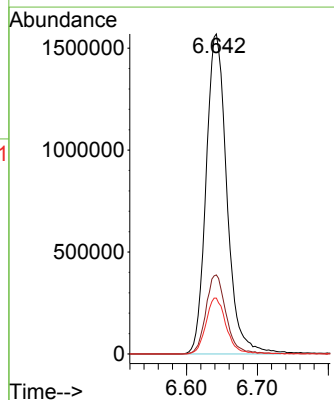
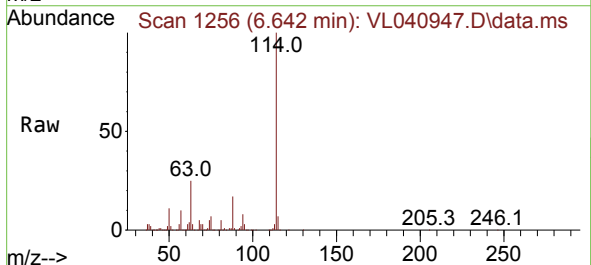
Instrument :
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 ClientSampleId :
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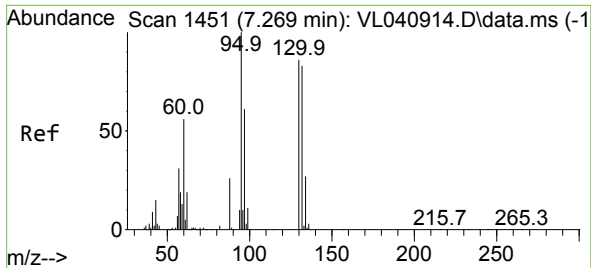
Tgt Ion: 61 Resp: 6282
 Ion Ratio Lower Upper
 61 100
 96 59.3 51.7 77.5
 98 36.5 33.2 49.8



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. 0.010 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Tgt Ion: 114 Resp: 3194644
 Ion Ratio Lower Upper
 114 100
 63 24.3 21.0 31.6
 88 17.3 14.3 21.5

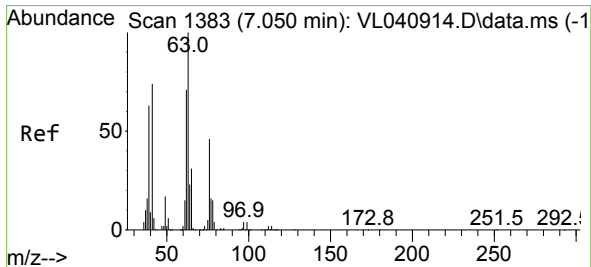
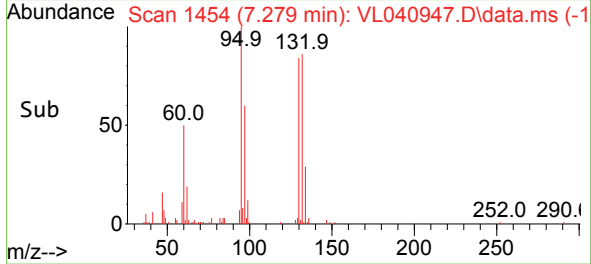
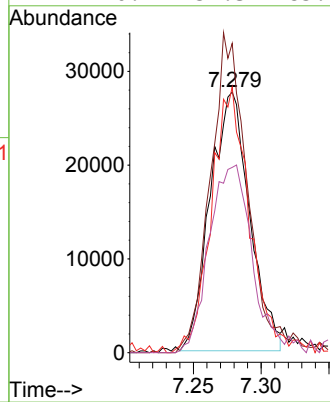
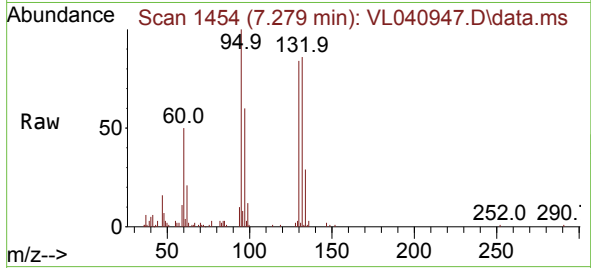




#38
 Trichloroethene
 Concen: 0.594 ppbv
 RT: 7.279 min Scan# 1451
 Delta R.T. 0.010 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

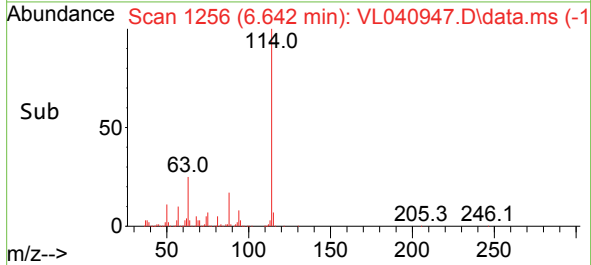
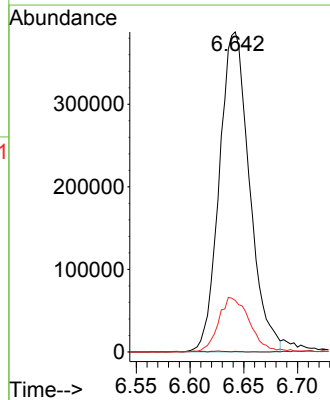
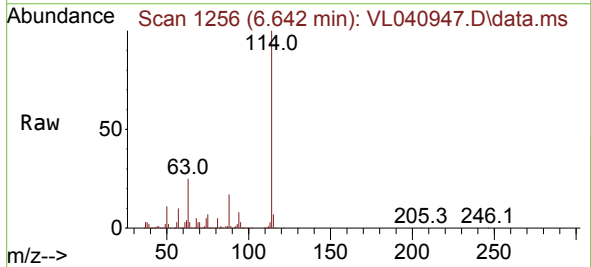
Instrument :
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 ClientSampleId :
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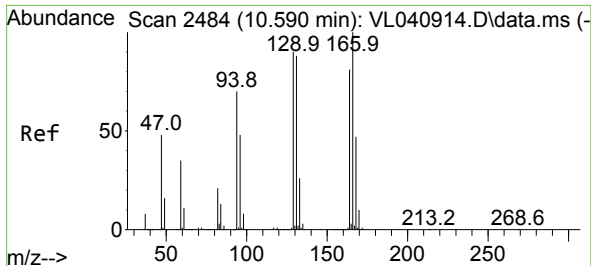
Tgt Ion:	130	Resp:	55755
Ion	Ratio	Lower	Upper
130	100		
95	117.2	93.5	140.3
132	100.0	77.4	116.2
97	70.9	57.3	85.9



#39
 1,2-Dichloropropane
 Concen: 7.690 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. -0.408 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Tgt Ion:	63	Resp:	754711
Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.0	88.6#
62	16.0	56.6	85.0#

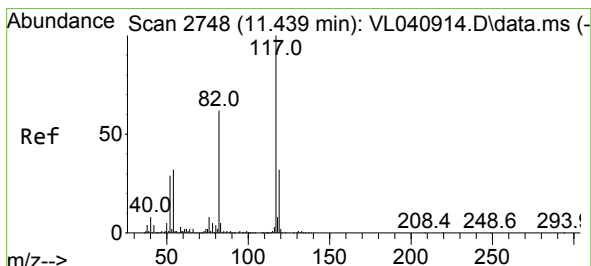
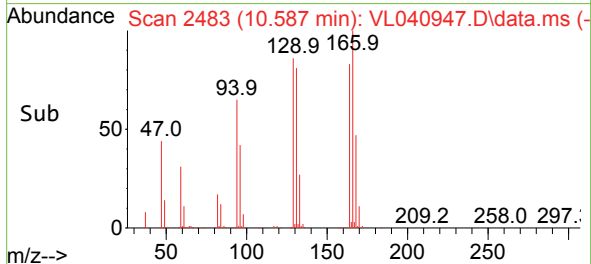
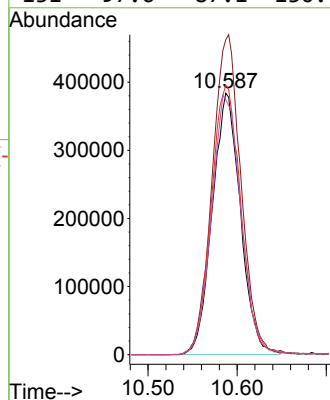
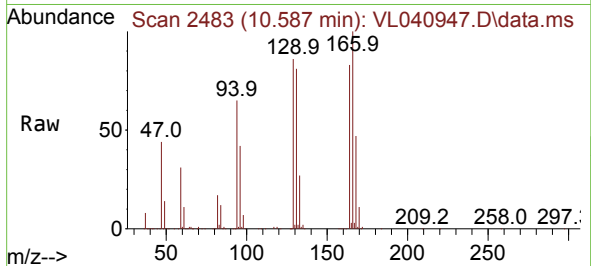




#52
Tetrachloroethene
Concen: 9.974 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

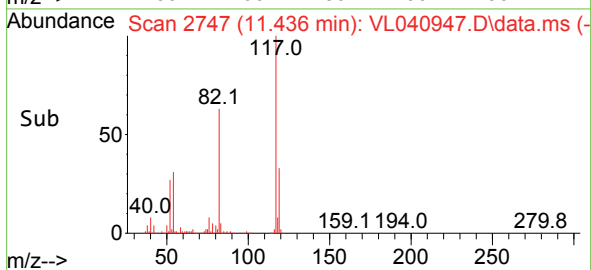
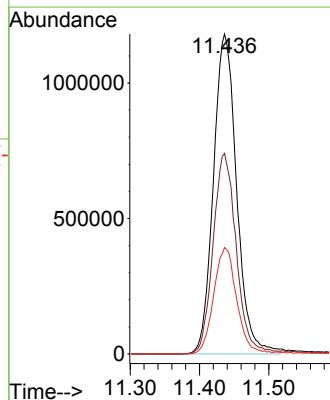
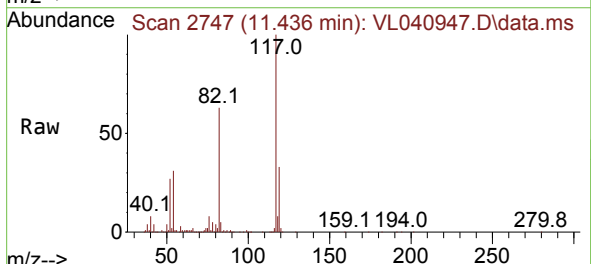
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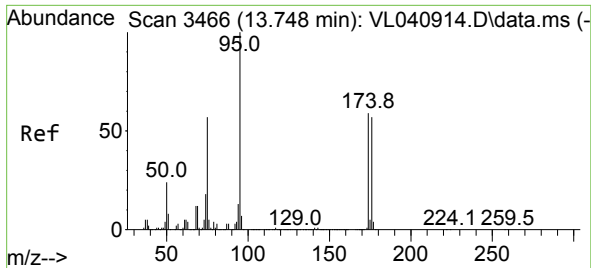
Tgt Ion:164 Resp: 839049
Ion Ratio Lower Upper
164 100
166 120.4 98.9 148.3
129 103.0 88.7 133.1
131 97.6 87.1 130.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040947.D
Acq: 22 Dec 2023 2:05

Tgt Ion:117 Resp: 2752616
Ion Ratio Lower Upper
117 100
82 63.5 49.6 74.4
119 33.4 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.781 ppbv
 RT: 13.745 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL040947.D
 Acq: 22 Dec 2023 2:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tgt Ion: 95 Resp: 1983210

Ion	Ratio	Lower	Upper
95	100		
174	64.2	48.0	72.0
175	4.9	3.7	5.5

