

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032947.D
 Acq On : 13 Nov 2023 21:39
 Operator : SY/MD
 Sample : 05296-19 4X
 Misc : 5.89gm/5mL/100uL/5mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 14 01:38:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 14 01:11:23 2023
 Response via : Initial Calibration

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

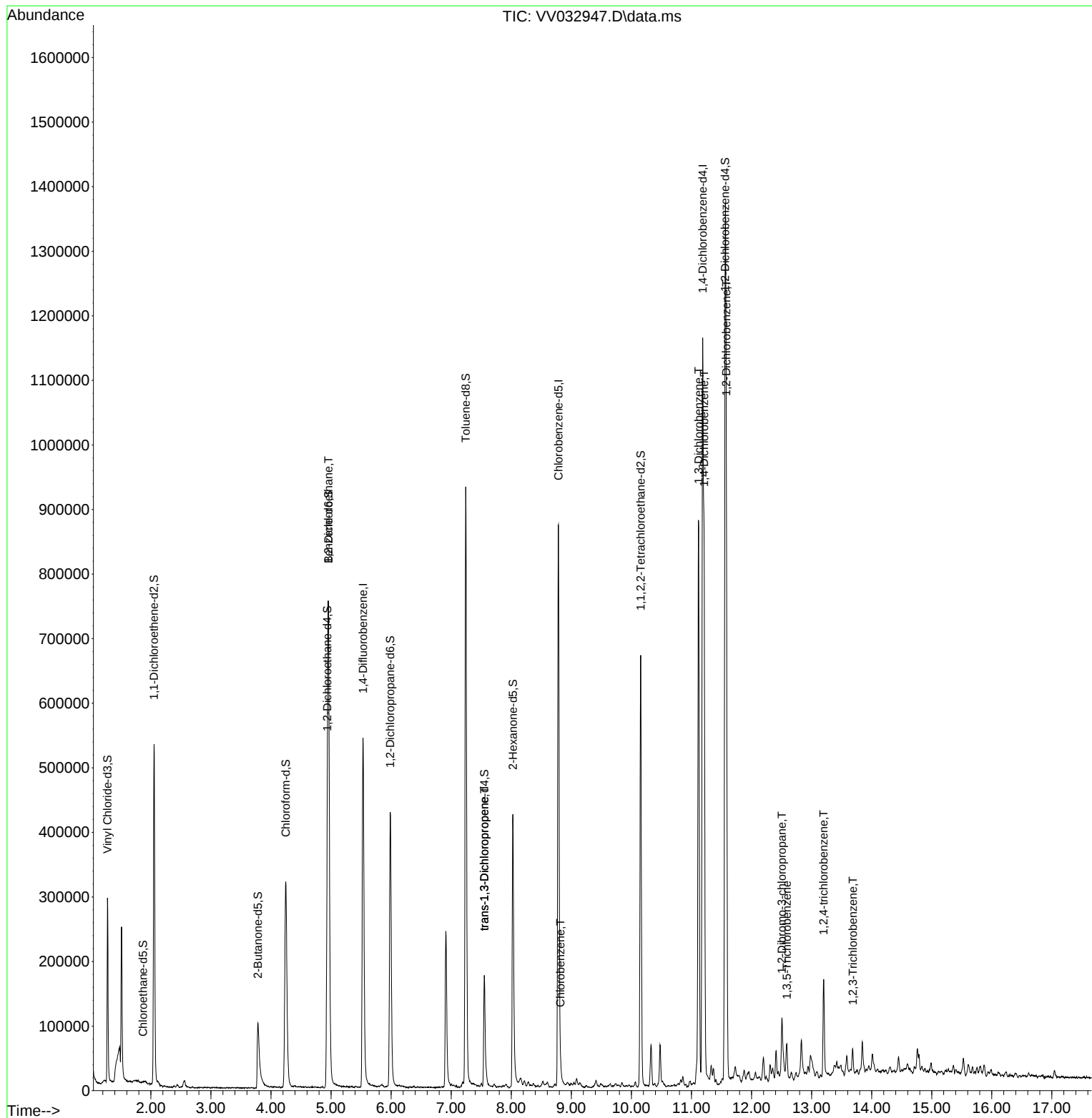
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	479216	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	487167	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	282062	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	186446	46.001	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.000%
7) Chloroethane-d5	1.870	69	178	0.053	ug/L	0.34
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.100%#
11) 1,1-Dichloroethene-d2	2.053	65	86229	48.830	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.660%
21) 2-Butanone-d5	3.783	46	160996	92.669	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.670%
24) Chloroform-d	4.246	84	341004	48.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.937	65	212001	49.760	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
32) Benzene-d6	4.957	84	676085	50.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.760%
36) 1,2-Dichloropropane-d6	5.986	67	197871	51.233	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.460%
41) Toluene-d8	7.243	98	618786	50.513	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.020%
43) trans-1,3-Dichloroprop...	7.551	79	98076	47.834	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.660%
47) 2-Hexanone-d5	8.027	63	149519	105.674	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.670%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	306187	54.119	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.240%
66) 1,2-Dichlorobenzene-d4	11.561	152	285761	52.139	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.280%
Target Compounds						Qvalue
27) 1,2-Dichloroethane	4.957	62	4483	0.898	ug/L	98
44) trans-1,3-Dichloropropene	7.551	75	4540	0.851	ug/L	97
51) Chlorobenzene	8.818	112	16043	1.604	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	346276	39.763	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	319745	34.234	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	307818	35.150	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.506	75	2550	2.210	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.587	180	14014	2.145	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	43141	7.350	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	11729	1.986	ug/L #	93

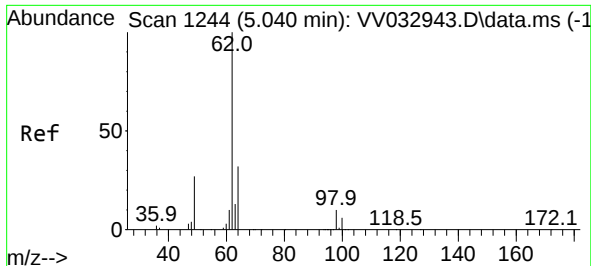
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.898 ug/L

RT: 4.957 min Scan# 11

Delta R.T. -0.084 min

Lab File: VV032947.D

Acq: 13 Nov 2023 21:39

Instrument :

MSVOA_V

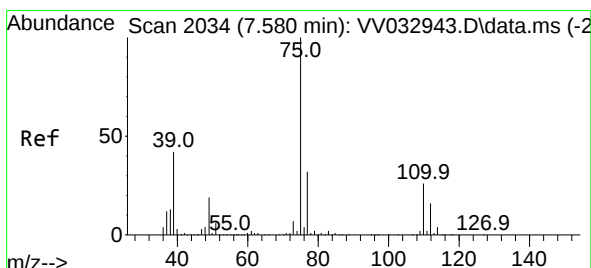
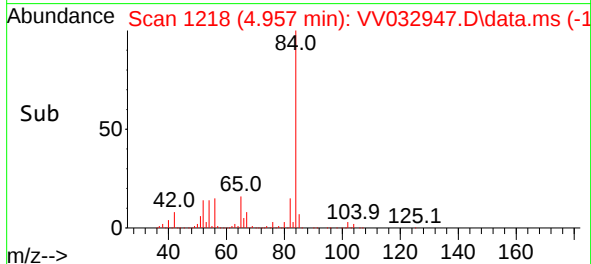
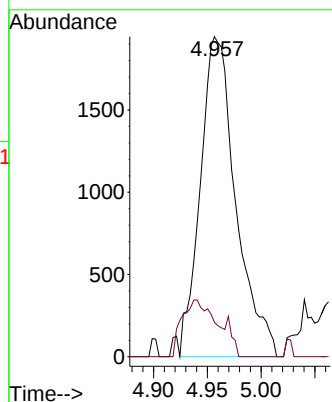
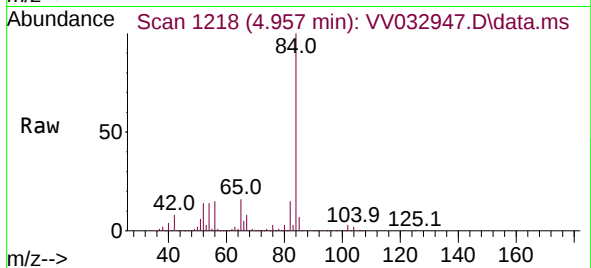
ClientSampleId :

Tgt Ion: 62 Resp: 4483

Ion Ratio Lower Upper

62 100

98 10.8 8.0 12.0



#44

trans-1,3-Dichloropropene

Concen: 0.851 ug/L

RT: 7.551 min Scan# 2025

Delta R.T. -0.029 min

Lab File: VV032947.D

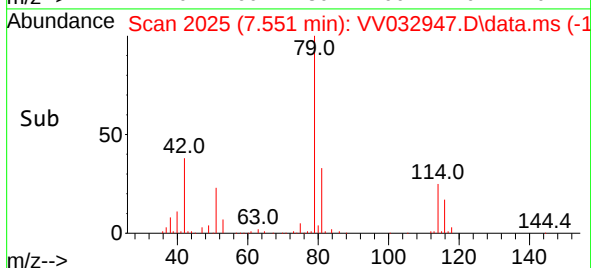
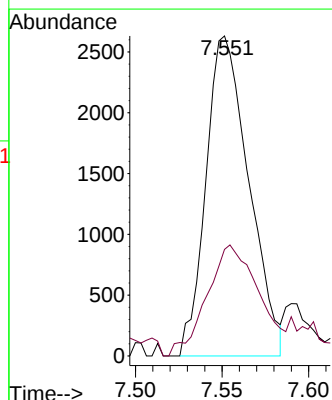
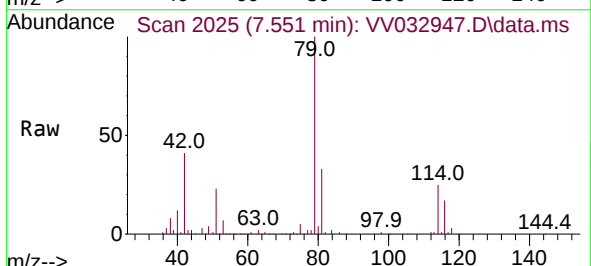
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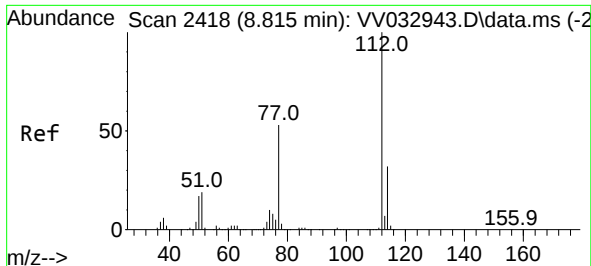
Tgt Ion: 75 Resp: 4540

Ion Ratio Lower Upper

75 100

77 33.3 22.3 41.3

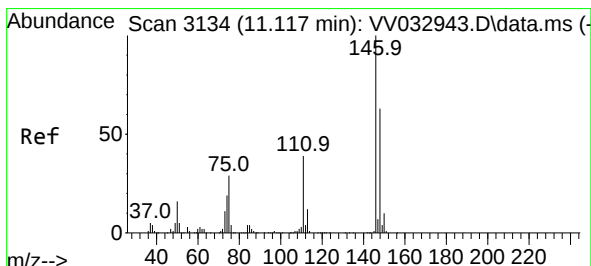
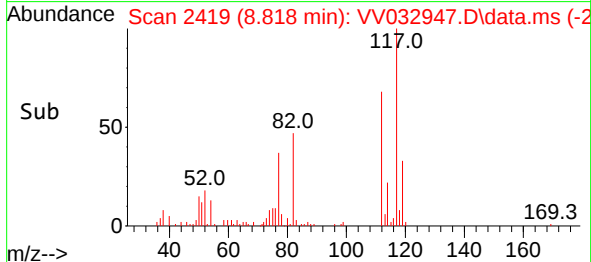
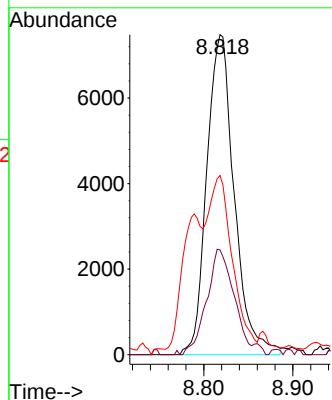
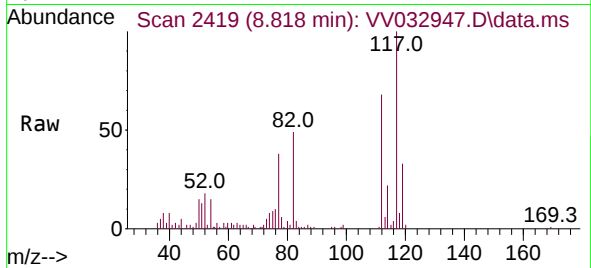




#51
Chlorobenzene
Concen: 1.604 ug/L
RT: 8.818 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV032947.D
Acq: 13 Nov 2023 21:39

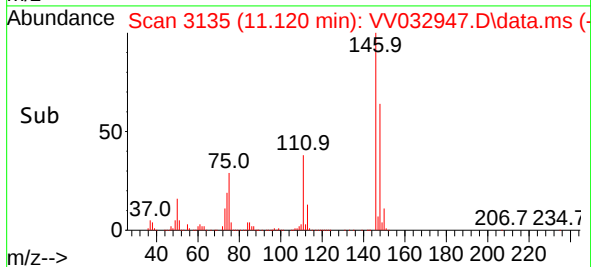
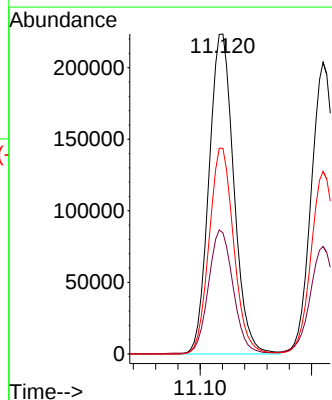
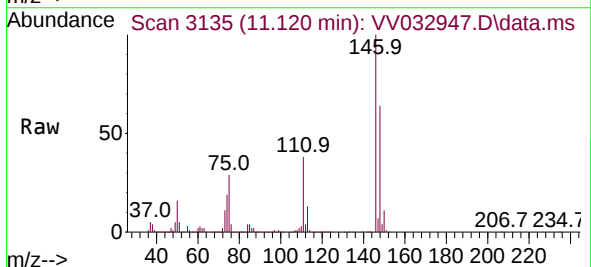
Instrument :
MSVOA_V
ClientSampleId :

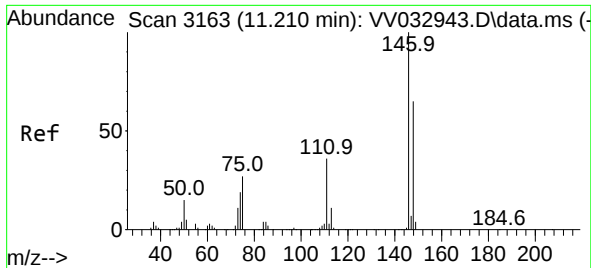
Tgt Ion:112 Resp: 16043
Ion Ratio Lower Upper
112 100
114 32.8 22.1 41.1
77 56.0 44.2 66.2



#64
1,3-Dichlorobenzene
Concen: 39.763 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV032947.D
Acq: 13 Nov 2023 21:39

Tgt Ion:146 Resp: 346276
Ion Ratio Lower Upper
146 100
111 37.8 26.9 49.9
148 64.3 43.6 81.0

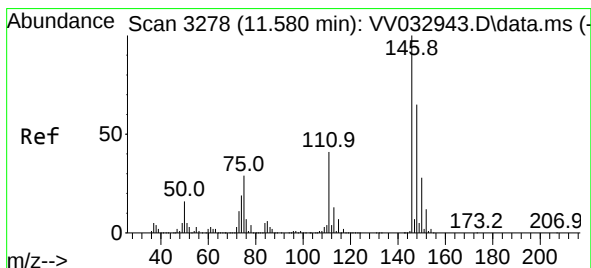
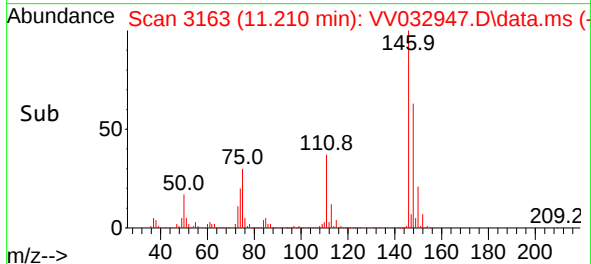
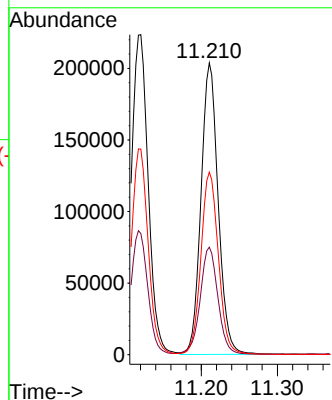
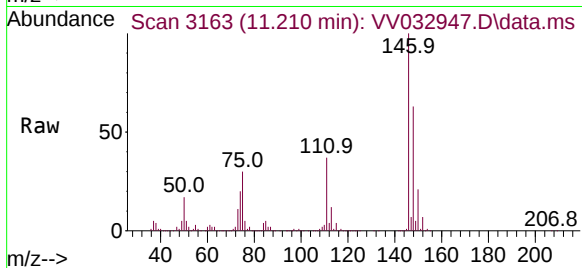




#65
1,4-Dichlorobenzene
Concen: 34.234 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032947.D
Acq: 13 Nov 2023 21:39

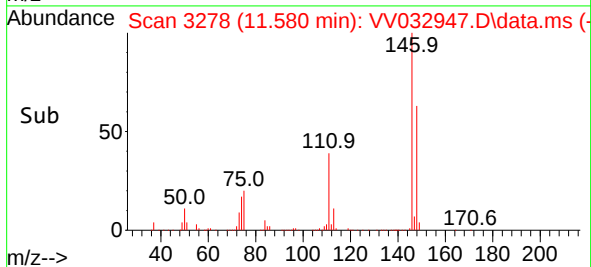
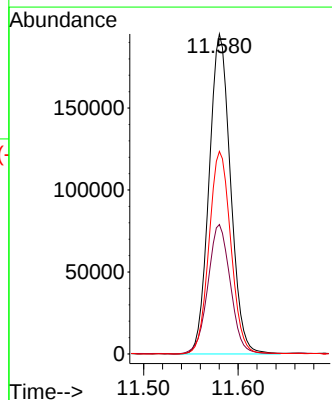
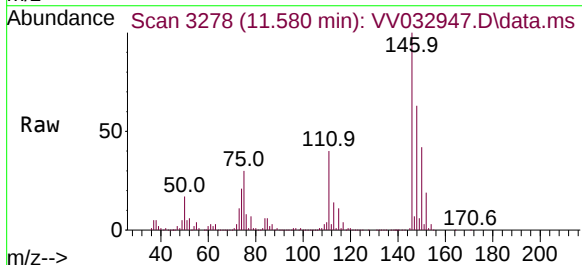
Instrument :
MSVOA_V
ClientSampleId :

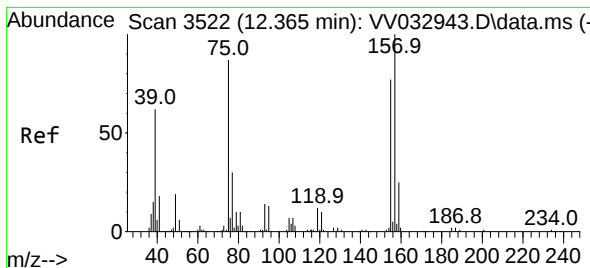
Tgt Ion:146 Resp: 319745
Ion Ratio Lower Upper
146 100
111 36.9 25.5 47.3
148 62.6 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 35.150 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV032947.D
Acq: 13 Nov 2023 21:39

Tgt Ion:146 Resp: 307818
Ion Ratio Lower Upper
146 100
111 40.5 31.1 46.7
148 63.3 51.4 77.0

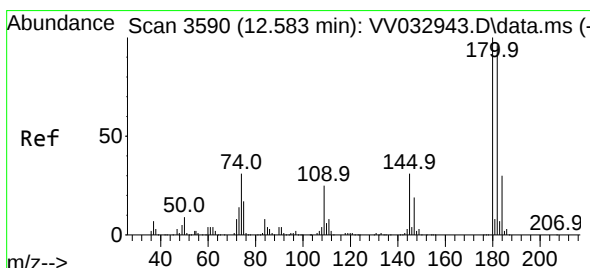
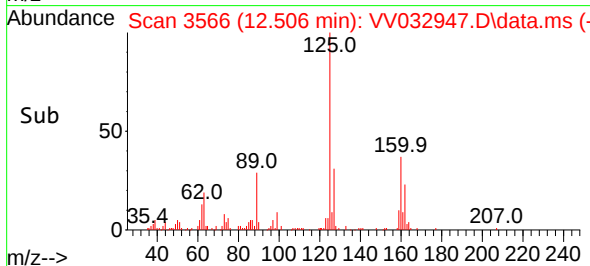
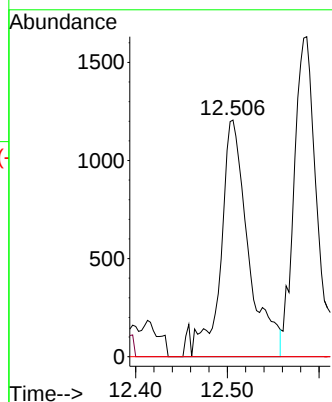
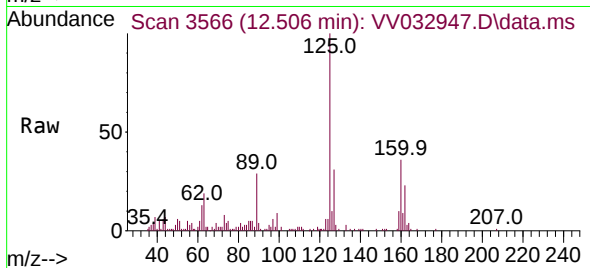




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.210 ug/L
 RT: 12.506 min Scan# 3566
 Delta R.T. 0.142 min
 Lab File: VV032947.D
 Acq: 13 Nov 2023 21:39

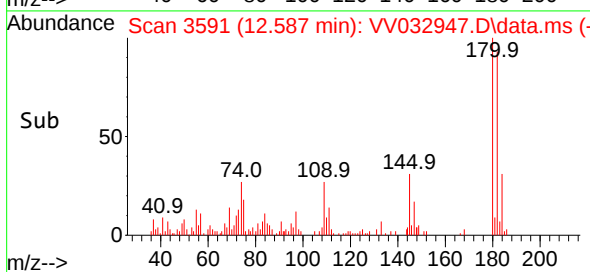
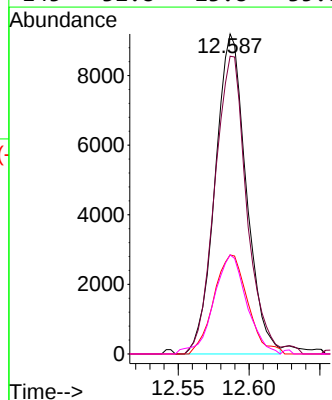
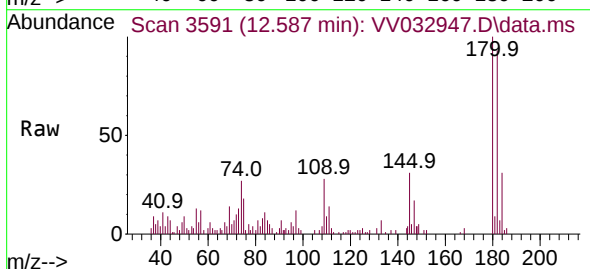
Instrument :
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 ClientSampleId :

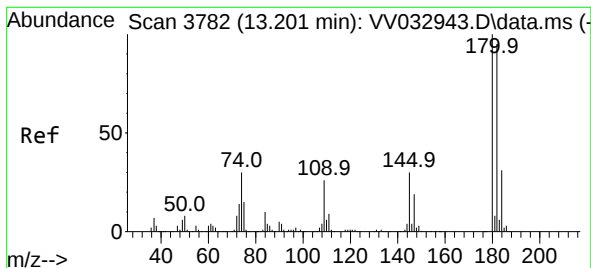
Tgt Ion: 75 Resp: 2550
 Ion Ratio Lower Upper
 75 100
 155 0.0 76.8 115.2#
 157 0.0 97.6 146.4#



#69
 1,3,5-Trichlorobenzene
 Concen: 2.145 ug/L
 RT: 12.587 min Scan# 3591
 Delta R.T. 0.003 min
 Lab File: VV032947.D
 Acq: 13 Nov 2023 21:39

Tgt Ion: 180 Resp: 14014
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 184 33.2 24.6 36.8
 145 32.8 23.8 35.8





#70

1,2,4-trichlorobenzene

Concen: 7.350 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032947.D

Acq: 13 Nov 2023 21:39

Instrument :

MSVOA_V

ClientSampleId :

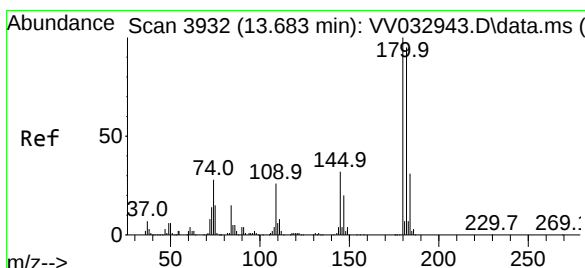
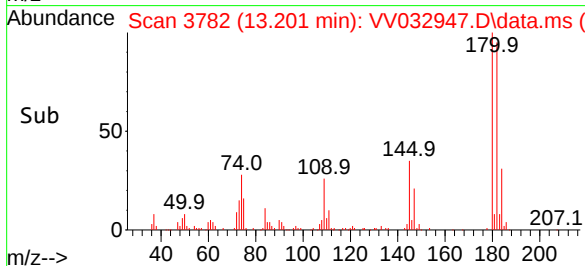
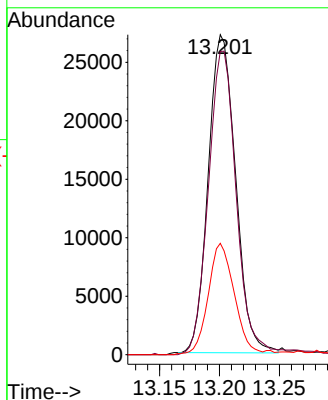
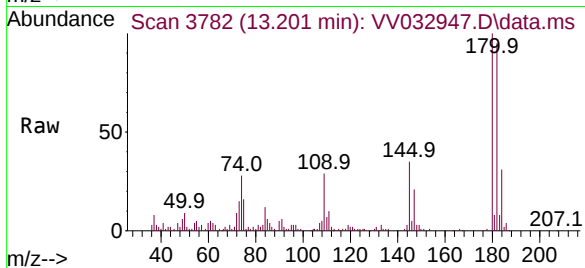
Tgt Ion:180 Resp: 43141

Ion Ratio Lower Upper

180 100

182 97.6 77.0 115.4

145 33.3 24.3 36.5



#72

1,2,3-Trichlorobenzene

Concen: 1.986 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV032947.D

Acq: 13 Nov 2023 21:39

Tgt Ion:180 Resp: 11729

Ion Ratio Lower Upper

180 100

182 91.5 76.9 115.3

145 39.5 26.1 39.1#

