

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110623\
 Data File : VV032857.D
 Acq On : 06 Nov 2023 16:45
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 07 01:38:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 07 01:35:20 2023
 Response via : Initial Calibration

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

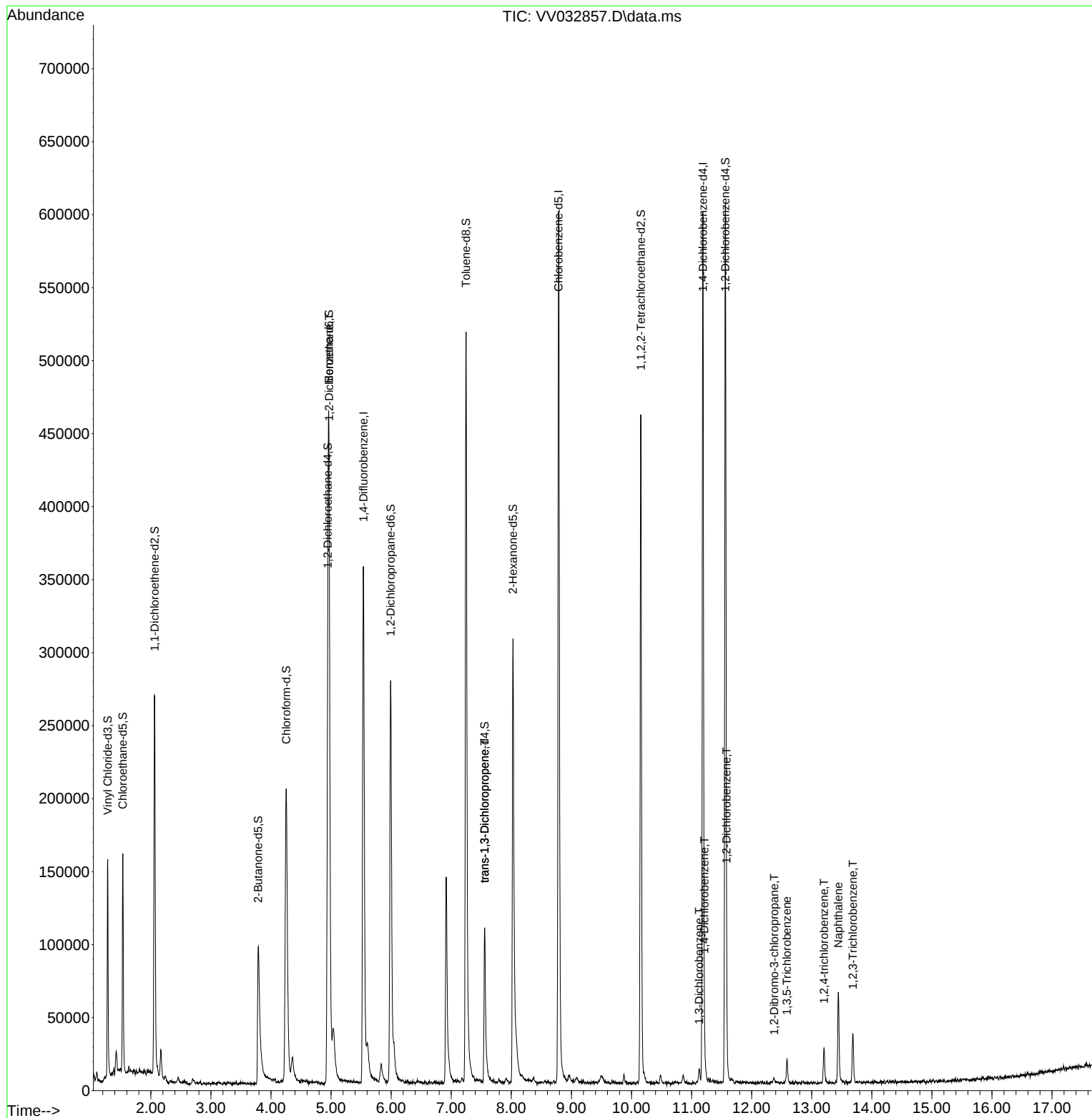
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	308696	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	345281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	152612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	96388	32.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.660%
7) Chloroethane-d5	1.532	69	95202	38.769	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.540%
11) 1,1-Dichloroethene-d2	2.063	65	43164	35.592	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.180%
21) 2-Butanone-d5	3.786	46	142855	112.171	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.170%
24) Chloroform-d	4.252	84	214153	45.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	4.944	65	149123	51.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.400%
32) Benzene-d6	4.963	84	398851	44.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
36) 1,2-Dichloropropane-d6	5.992	67	128217	47.539	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.080%
41) Toluene-d8	7.246	98	366455	41.921	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.840%
43) trans-1,3-Dichloroprop...	7.554	79	66606	47.417	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.840%
47) 2-Hexanone-d5	8.027	63	103704	105.322	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.320%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	210963	51.545	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.080%
66) 1,2-Dichlorobenzene-d4	11.564	152	155696	52.941	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.880%
Target Compounds						Qvalue
27) 1,2-Dichloroethane	4.966	62	3162	0.917	ug/L	96
44) trans-1,3-Dichloropropene	7.554	75	3539	0.945	ug/L #	67
64) 1,3-Dichlorobenzene	11.127	146	3814	0.791	ug/L	87
65) 1,4-Dichlorobenzene	11.213	146	5220	1.026	ug/L	92
67) 1,2-Dichlorobenzene	11.583	146	5407	1.098	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.377	75	1237	1.865	ug/L #	64
69) 1,3,5-Trichlorobenzene	12.586	180	4590	1.319	ug/L	93
70) 1,2,4-trichlorobenzene	13.204	180	6597	2.192	ug/L #	88
71) Naphthalene	13.442	128	49681	6.609	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	9674	3.219	ug/L	95

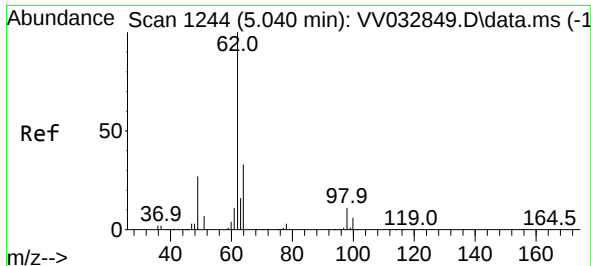
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 07 01:35:20 2023
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.917 ug/L

RT: 4.966 min Scan# 11

Delta R.T. -0.074 min

Lab File: VV032857.D

Acq: 06 Nov 2023 16:45

Instrument :

MSVOA_V

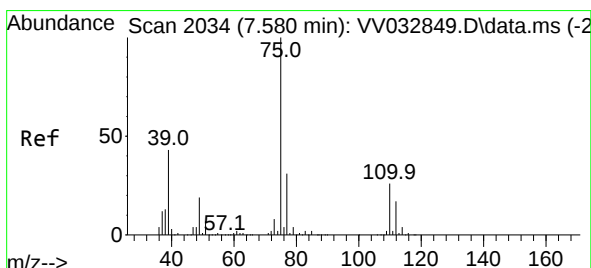
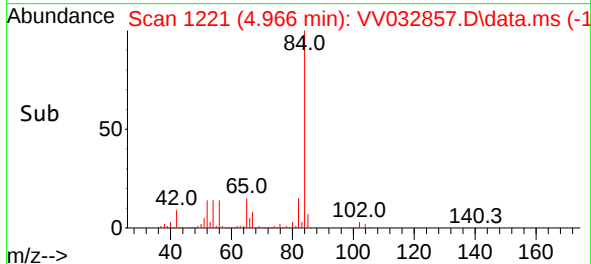
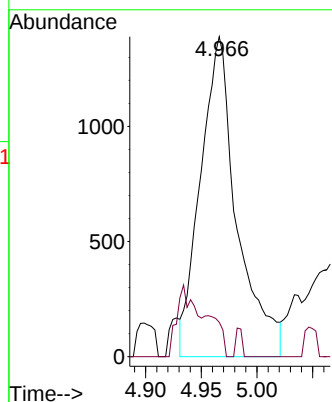
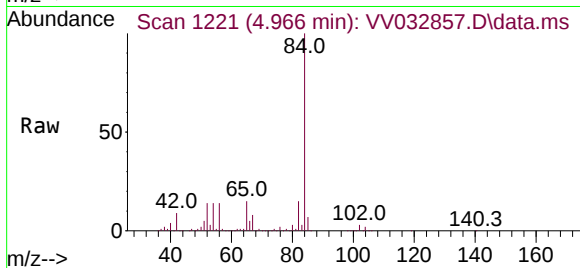
ClientSampleId :

Tgt Ion: 62 Resp: 3162

Ion Ratio Lower Upper

62 100

98 10.7 7.5 11.3



#44

trans-1,3-Dichloropropene

Concen: 0.945 ug/L

RT: 7.554 min Scan# 2026

Delta R.T. -0.026 min

Lab File: VV032857.D

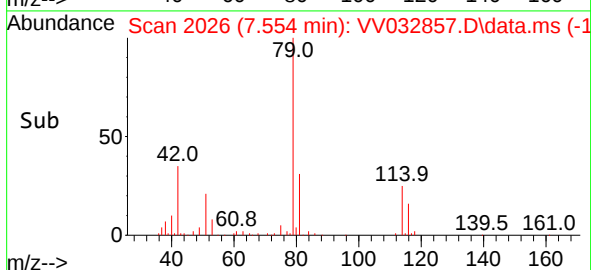
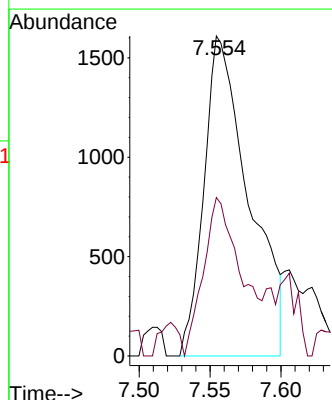
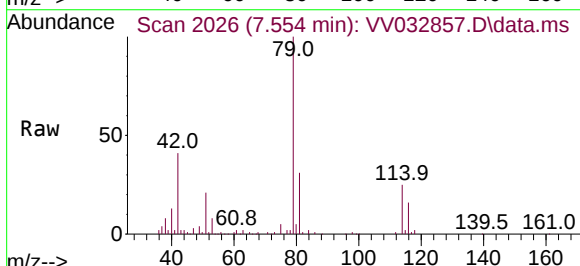
Acq: 06 Nov 2023 16:45

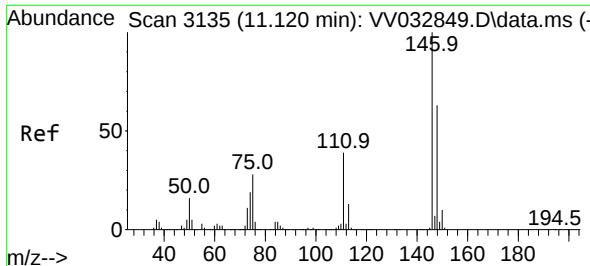
Tgt Ion: 75 Resp: 3539

Ion Ratio Lower Upper

75 100

77 49.5 22.0 40.8#

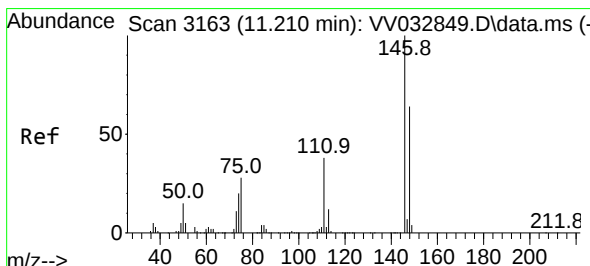
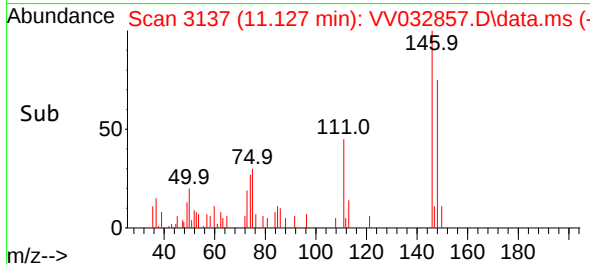
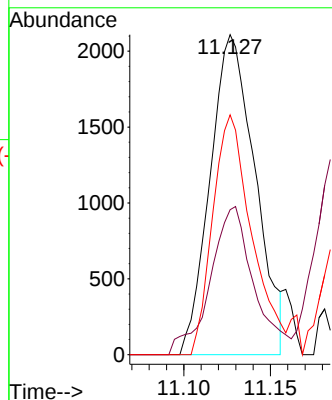
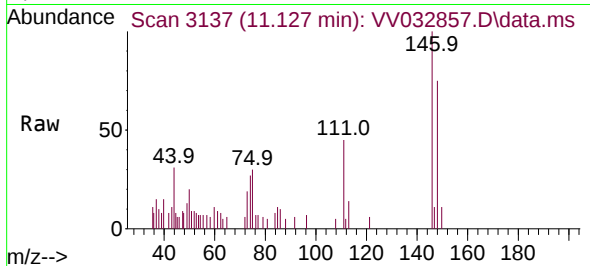




#64
1,3-Dichlorobenzene
Concen: 0.791 ug/L
RT: 11.127 min Scan# 3135
Delta R.T. 0.007 min
Lab File: VV032857.D
Acq: 06 Nov 2023 16:45

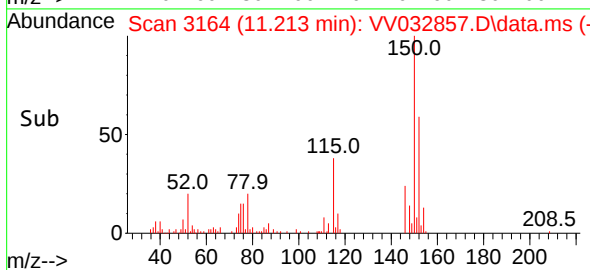
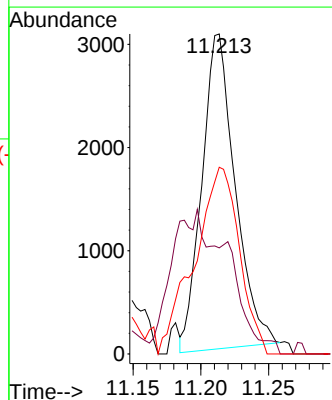
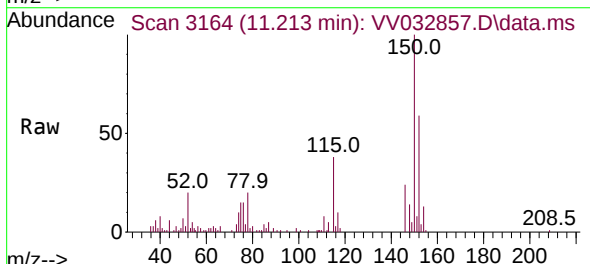
Instrument :
MSVOA_V
ClientSampleId :

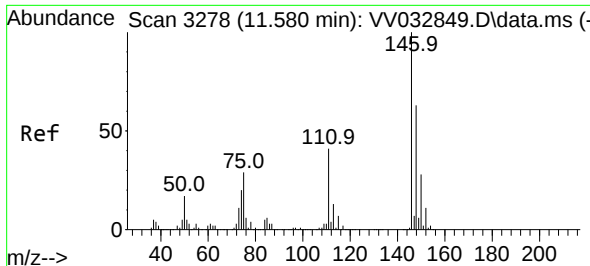
Tgt Ion:146 Resp: 3814
Ion Ratio Lower Upper
146 100
111 45.3 27.2 50.4
148 75.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 1.026 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032857.D
Acq: 06 Nov 2023 16:45

Tgt Ion:146 Resp: 5220
Ion Ratio Lower Upper
146 100
111 33.2 26.5 49.1
148 58.4 44.9 83.5

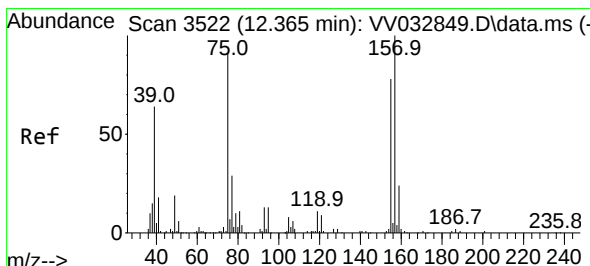
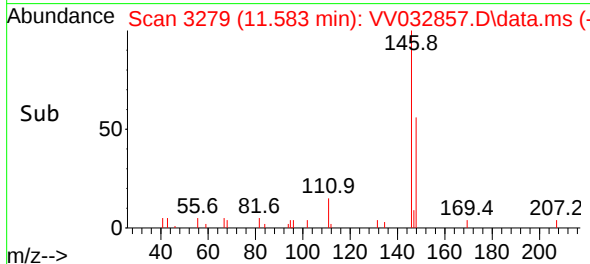
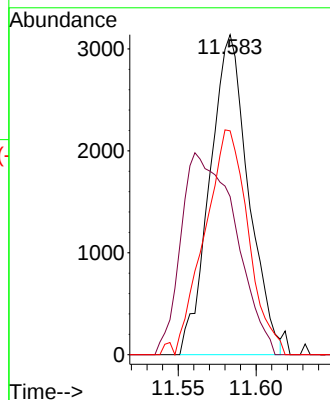
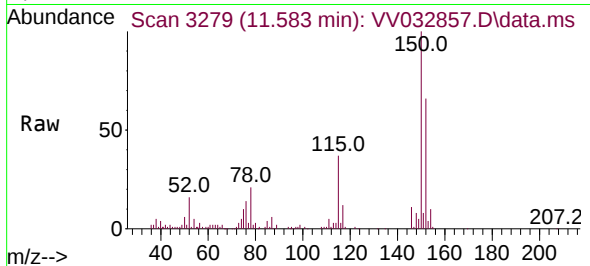




#67
1,2-Dichlorobenzene
Concen: 1.098 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV032857.D
Acq: 06 Nov 2023 16:45

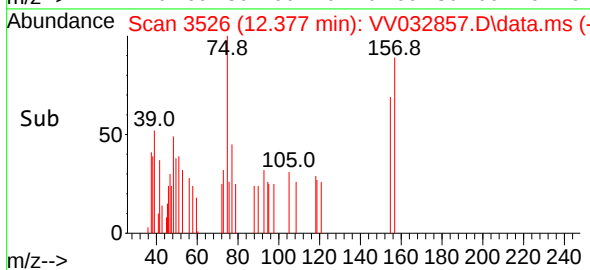
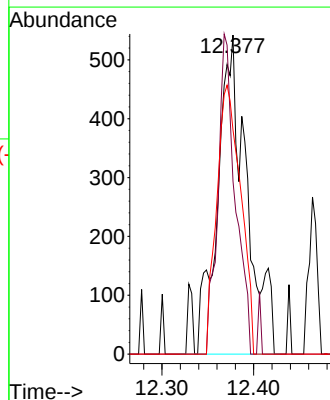
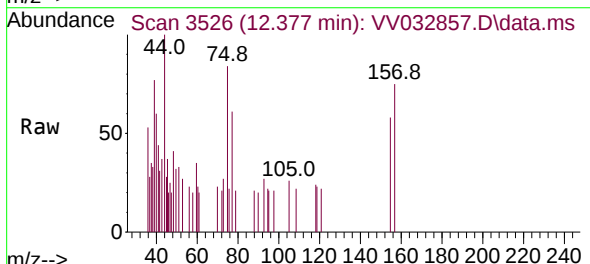
Instrument :
MSVOA_V
ClientSampleId :

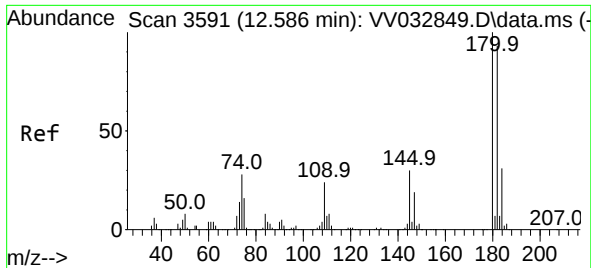
Tgt Ion:146 Resp: 5407
Ion Ratio Lower Upper
146 100
111 49.4 32.5 48.7#
148 69.9 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 1.865 ug/L
RT: 12.377 min Scan# 3526
Delta R.T. 0.013 min
Lab File: VV032857.D
Acq: 06 Nov 2023 16:45

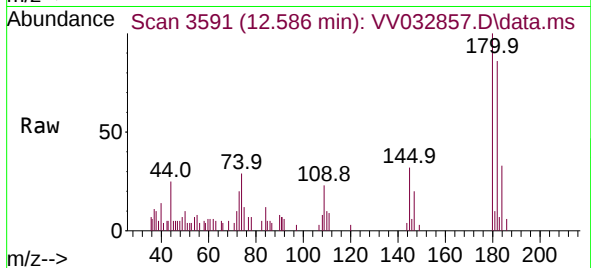
Tgt Ion: 75 Resp: 1237
Ion Ratio Lower Upper
75 100
155 54.2 68.6 102.8#
157 70.3 87.3 130.9#



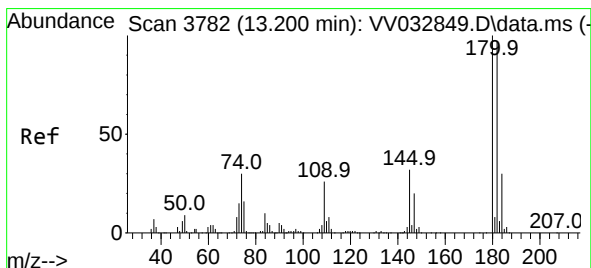
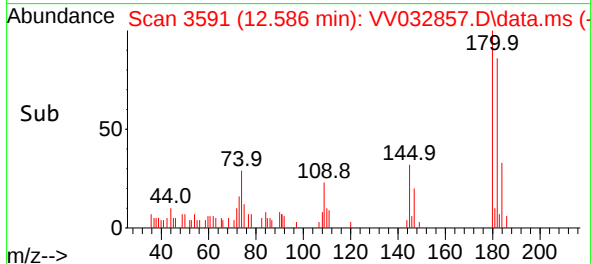
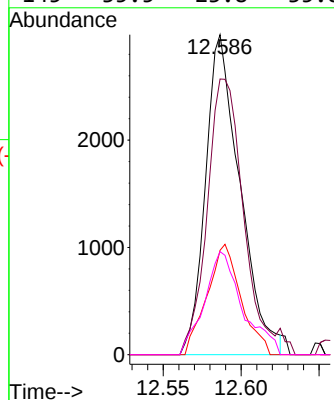


#69
 1,3,5-Trichlorobenzene
 Concen: 1.319 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.000 min
 Lab File: VV032857.D
 Acq: 06 Nov 2023 16:45

Instrument :
 MSVOA_V
 ClientSampleId :

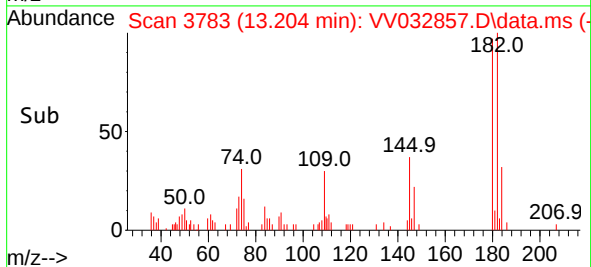
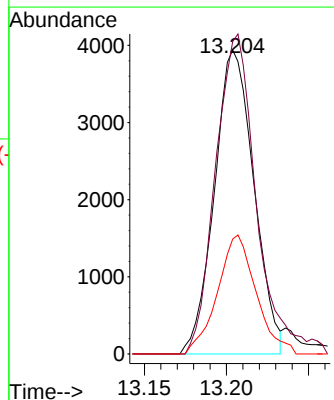
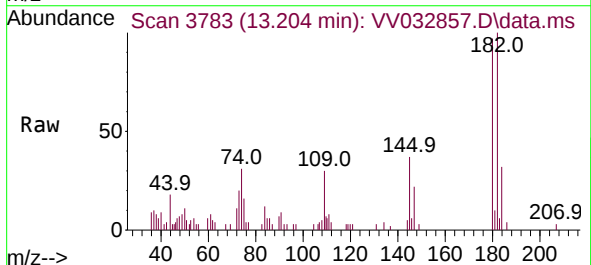


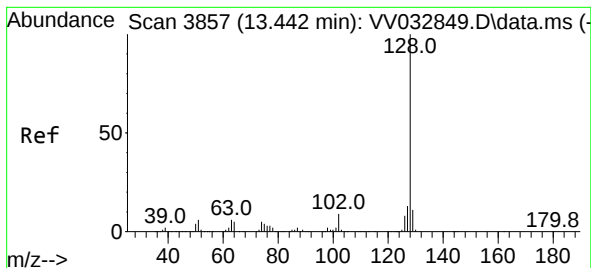
Tgt Ion:180	Resp:	4590
Ion Ratio	Lower	Upper
180	100	
182	89.8	75.9 113.9
184	34.0	23.5 35.3
145	35.5	23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 2.192 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.003 min
 Lab File: VV032857.D
 Acq: 06 Nov 2023 16:45

Tgt Ion:180	Resp:	6597
Ion Ratio	Lower	Upper
180	100	
182	107.2	76.9 115.3
145	38.2	24.7 37.1#





#71

Naphthalene

Concen: 6.609 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032857.D

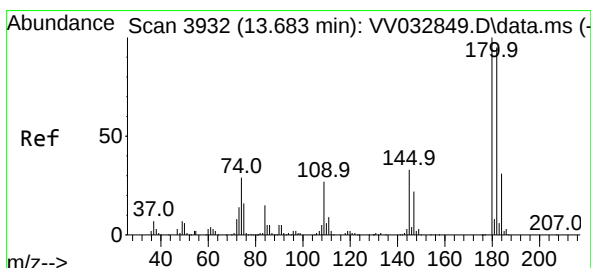
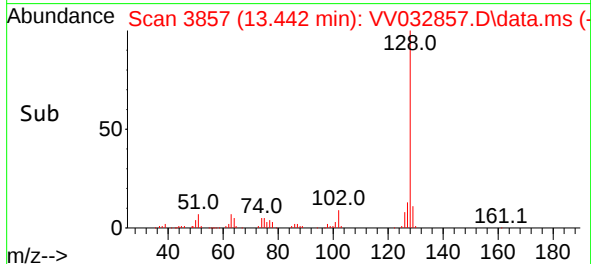
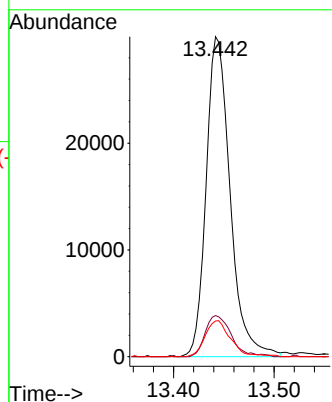
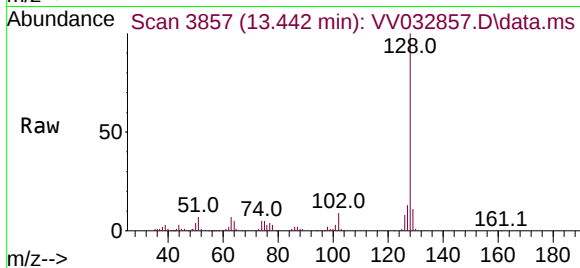
Acq: 06 Nov 2023 16:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	49681
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.9	8.6	12.8



#72

1,2,3-Trichlorobenzene

Concen: 3.219 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032857.D

Acq: 06 Nov 2023 16:45

Tgt Ion:	180	Resp:	9674
Ion	Ratio	Lower	Upper
180	100		
182	91.2	76.2	114.4
145	37.0	25.8	38.8

