

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022945.D
 Acq On : 20 Oct 2021 20:52
 Operator : SY/MD
 Sample : M4137-07DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 BFGA8DL

Quant Time: Oct 21 02:50:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 21 02:43:59 2021
 Response via : Initial Calibration

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

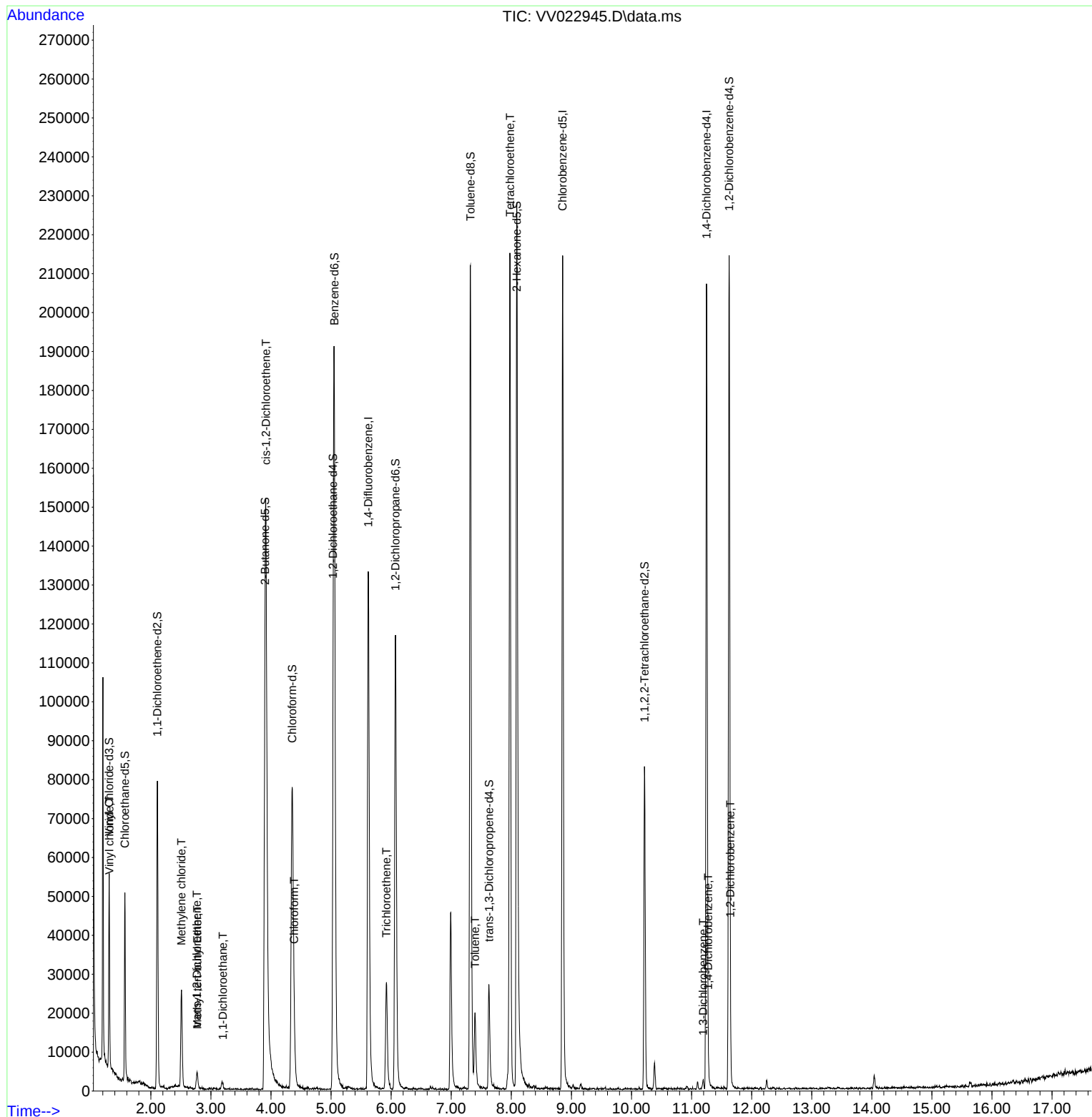
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	121114	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	122046	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56961	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	29308	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.568	69	28098	3.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.00%
11) 1,1-Dichloroethene-d2	2.108	63	40315	2.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.40%#
20) 2-Butanone-d5	3.899	46	99991	45.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.52%
24) Chloroform-d	4.352	84	80574	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.034	65	42885	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.053	84	175065	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.072	67	57526	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.320	98	144134	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloroprop...	7.629	79	16058	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.092	63	80392	55.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.78%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40122	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
66) 1,2-Dichlorobenzene-d4	11.625	152	59014	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	1578	0.17	ug/L #	38
16) Methylene chloride	2.510	84	10264	1.02	ug/L	96
17) Methyl tert-butyl Ether	2.773	73	2777	0.16	ug/L #	91
18) trans-1,2-Dichloroethene	2.767	96	479	0.06	ug/L	93
19) 1,1-Dichloroethane	3.198	63	996	0.07	ug/L #	84
22) cis-1,2-Dichloroethene	3.915	96	68749	8.23	ug/L	98
25) Chloroform	4.384	83	13520	0.81	ug/L	98
34) Trichloroethene	5.921	95	9673	1.08	ug/L	96
42) Toluene	7.394	91	14683	0.44	ug/L	98
47) Tetrachloroethene	7.979	164	50291	6.96	ug/L	97
64) 1,3-Dichlorobenzene	11.194	146	1119	0.07	ug/L	88
65) 1,4-Dichlorobenzene	11.278	146	1072	0.07	ug/L	91
67) 1,2-Dichlorobenzene	11.648	146	1017	0.07	ug/L	96

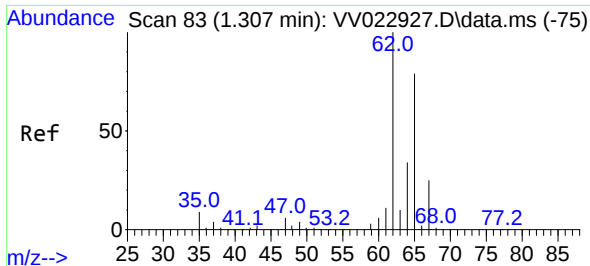
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

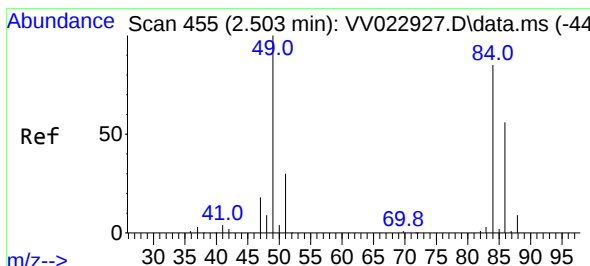
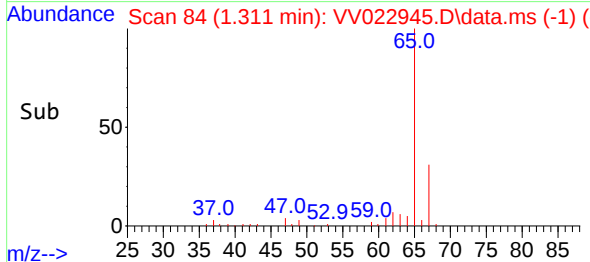
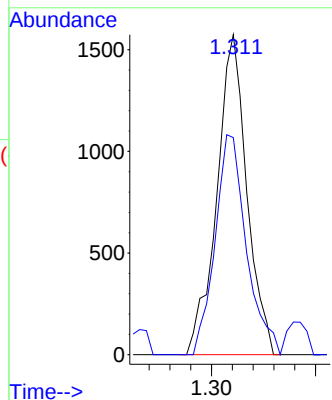
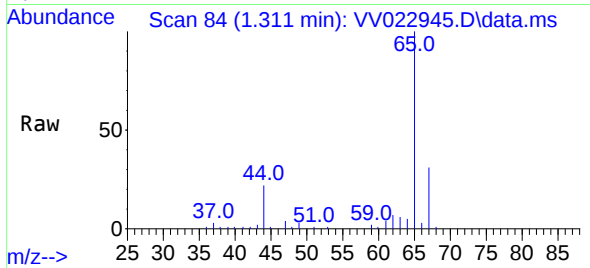




#5
 Vinyl chloride
 Concen: 0.17 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

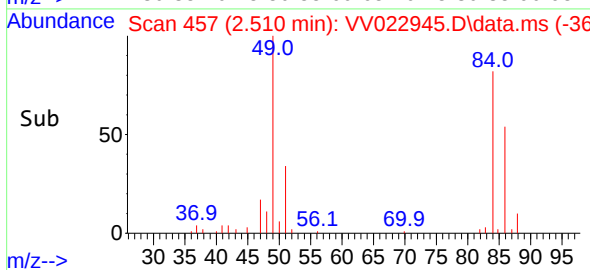
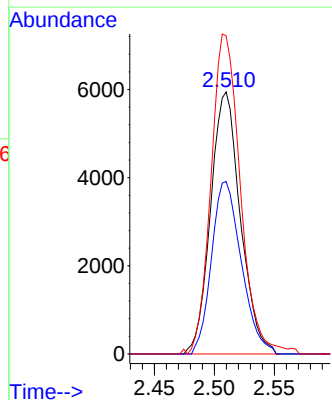
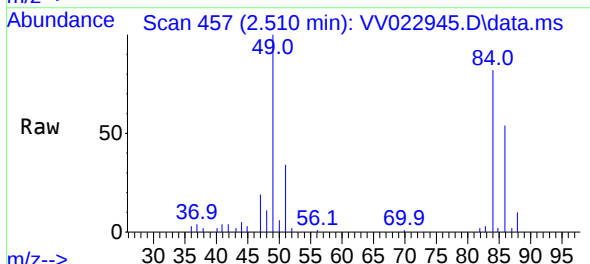
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA8DL

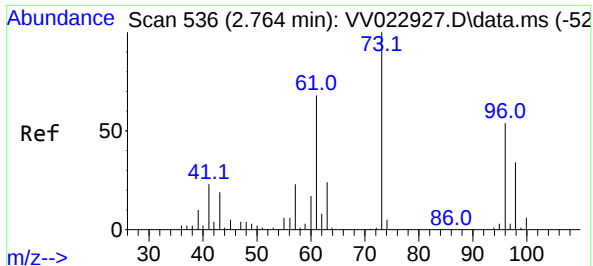
Tgt Ion: 62 Resp: 1578
 Ion Ratio Lower Upper
 62 100
 64 67.9 23.0 42.8#



#16
 Methylene chloride
 Concen: 1.02 ug/L
 RT: 2.510 min Scan# 457
 Delta R.T. 0.006 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

Tgt Ion: 84 Resp: 10264
 Ion Ratio Lower Upper
 84 100
 86 65.8 45.8 85.2
 49 121.4 90.3 167.7

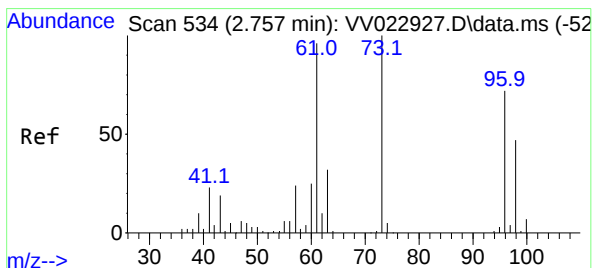
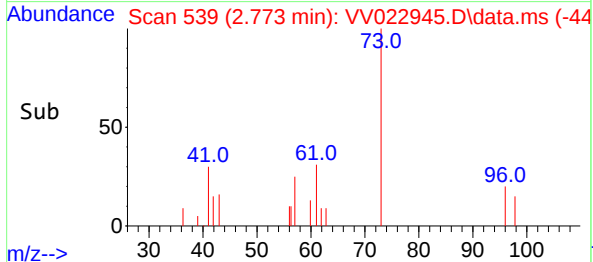
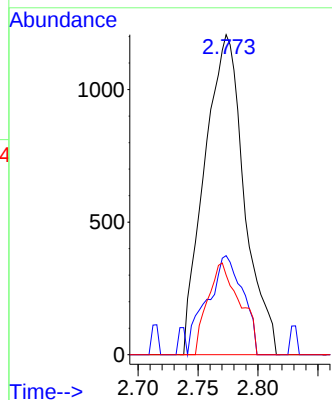
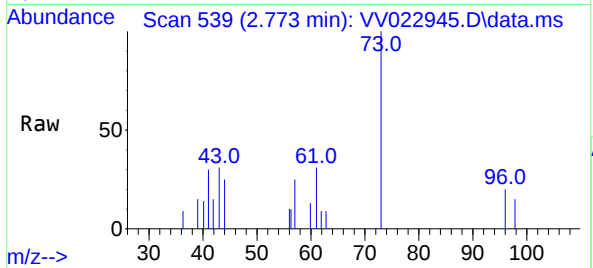




#17
Methyl tert-butyl Ether
Concen: 0.16 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

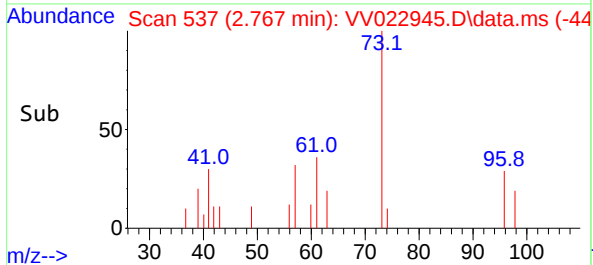
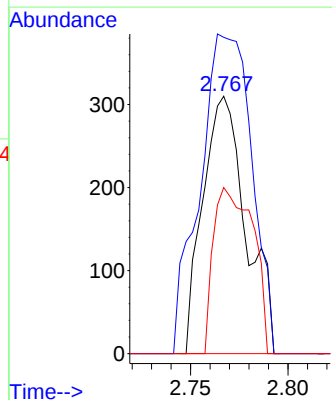
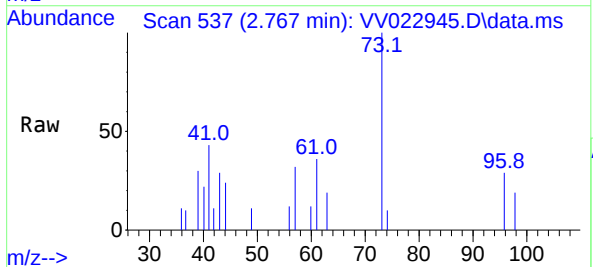
Instrument :
MSVOA_V
ClientSampleId :
BFGA8DL

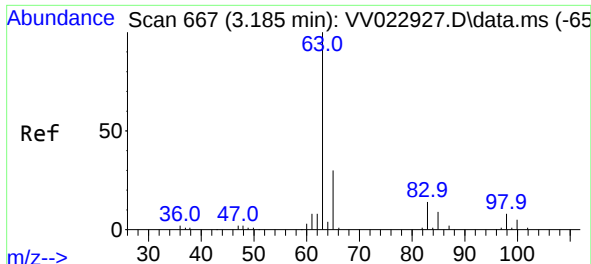
Tgt Ion: 73	Resp:	2777
Ion	Ratio	Lower Upper
73	100	
43	27.8	17.1 25.7#
57	23.3	17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.06 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 96	Resp:	479
Ion	Ratio	Lower Upper
96	100	
61	122.9	94.5 175.5
98	64.5	44.2 82.0

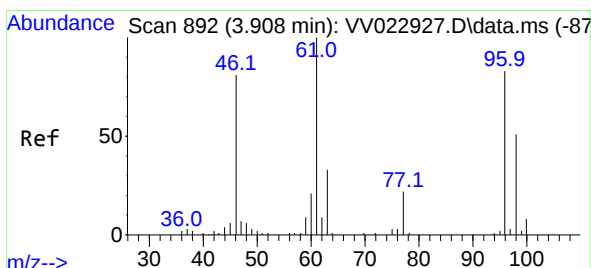
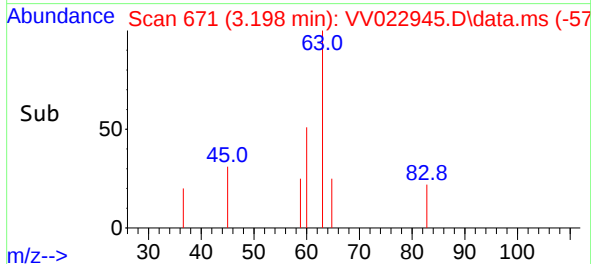
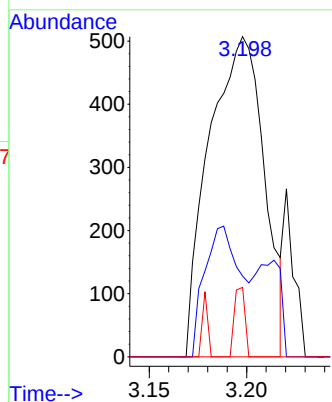
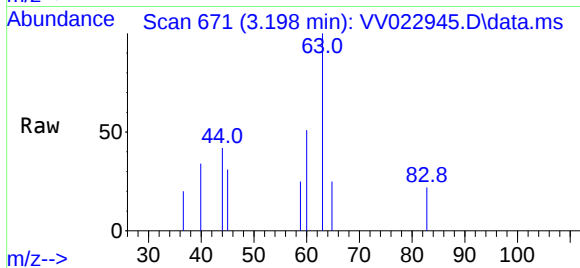




#19
1,1-Dichloroethane
Concen: 0.07 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.013 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

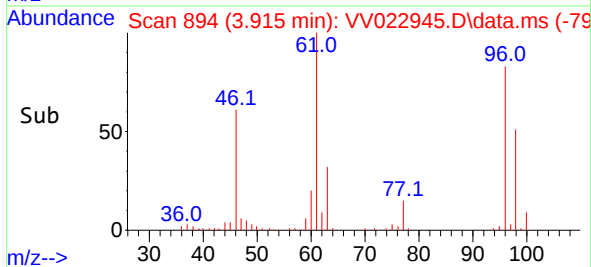
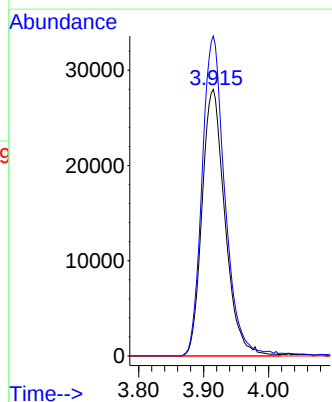
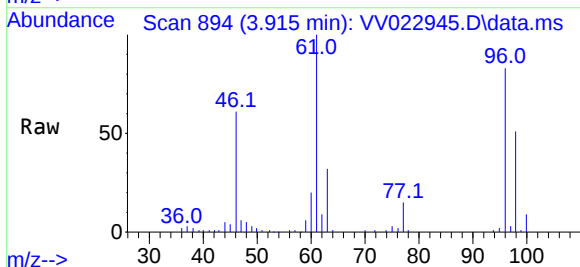
Tgt Ion:	63	Resp:	996
Ion	Ratio	Lower	Upper
63	100		
65	25.2	23.5	43.7
83	21.7	10.1	18.7#

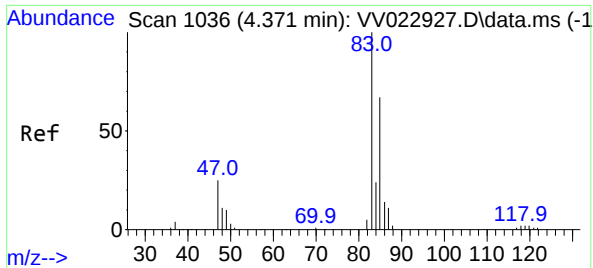
Instrument :
MSVOA_V
ClientSampleId :
BFGA8DL



#22
cis-1,2-Dichloroethene
Concen: 8.23 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion:	96	Resp:	68749
Ion	Ratio	Lower	Upper
96	100		
61	120.1	86.0	159.6
68	0.0	0.0	0.0

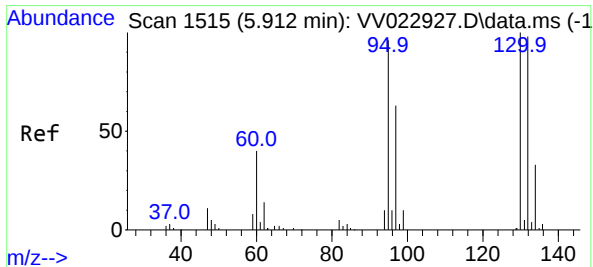
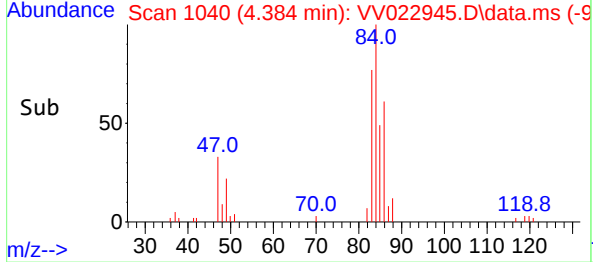
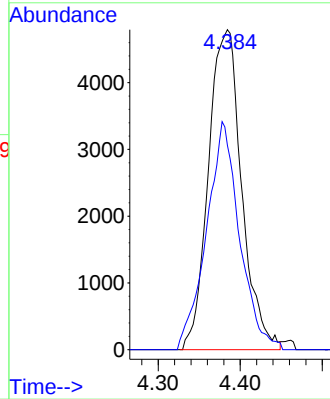
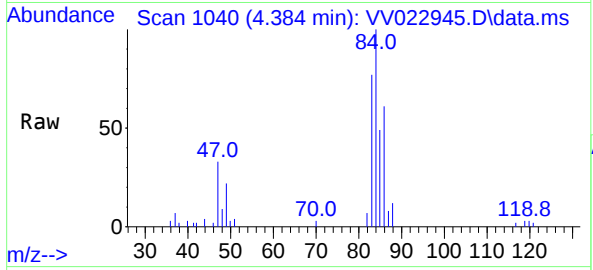




#25
Chloroform
Concen: 0.81 ug/L
RT: 4.384 min Scan# 1040
Delta R.T. 0.013 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

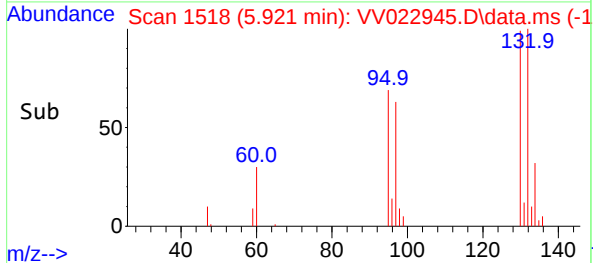
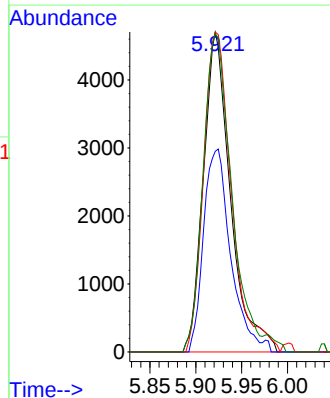
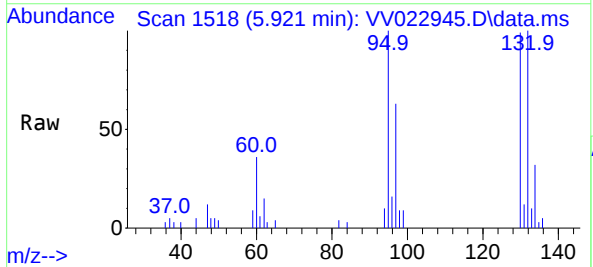
Instrument :
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ClientSampleId :
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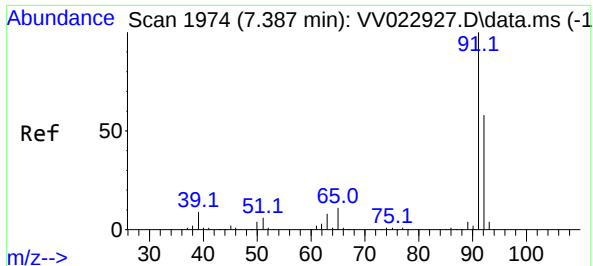
Tgt Ion: 83 Resp: 13520
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9



#34
Trichloroethene
Concen: 1.08 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 95 Resp: 9673
Ion Ratio Lower Upper
95 100
97 62.8 45.8 85.2
132 100.1 72.2 134.0
130 99.6 73.4 136.4

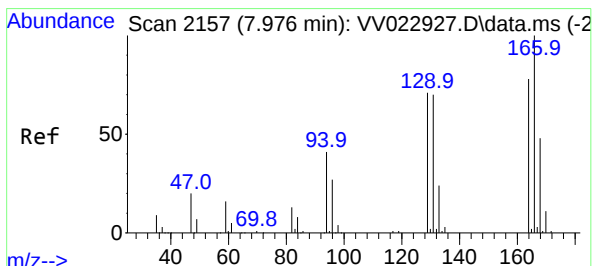
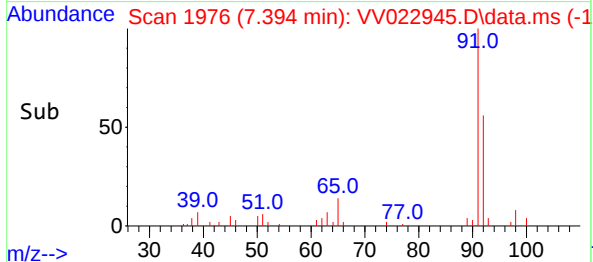
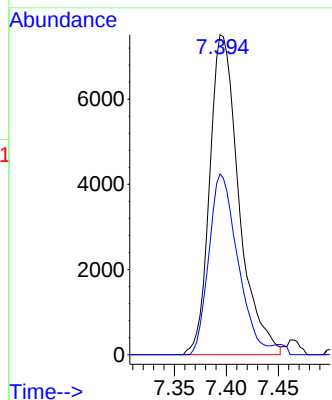
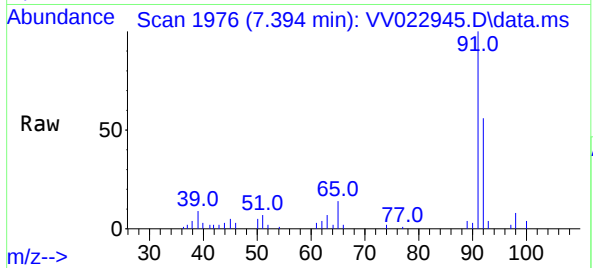




#42
Toluene
Concen: 0.44 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

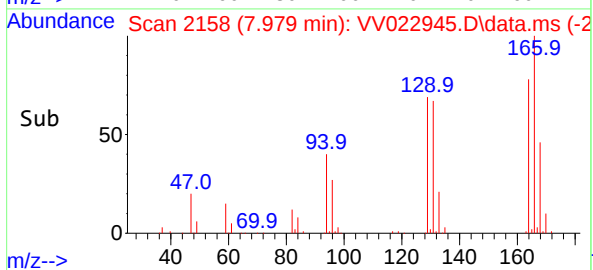
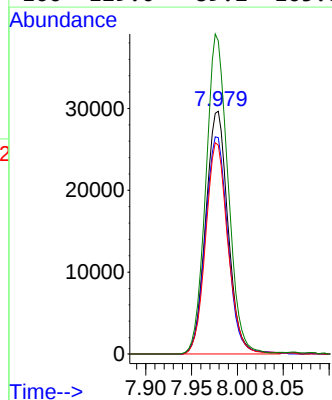
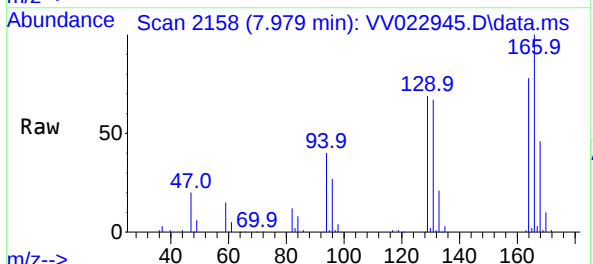
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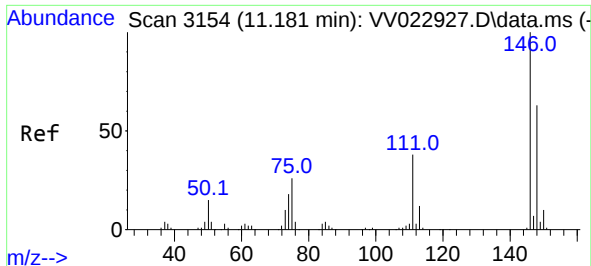
Tgt Ion: 91 Resp: 14683
Ion Ratio Lower Upper
91 100
92 56.5 40.7 75.7



#47
Tetrachloroethene
Concen: 6.96 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 164 Resp: 50291
Ion Ratio Lower Upper
164 100
129 89.1 65.0 120.6
131 86.1 62.2 115.4
166 129.0 89.2 165.8

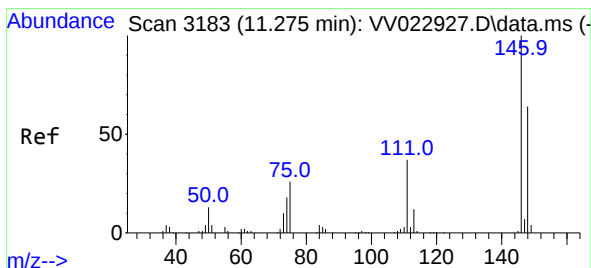
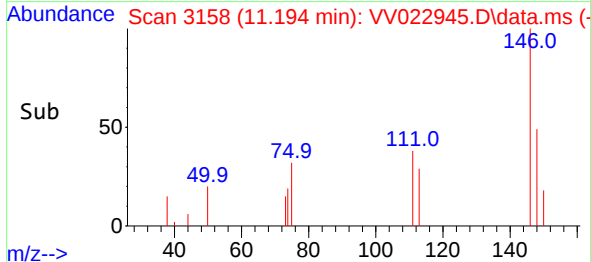
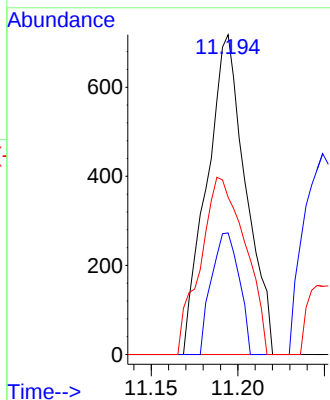
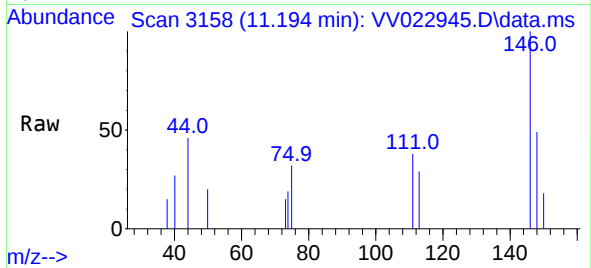




#64
1,3-Dichlorobenzene
Concen: 0.07 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.013 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

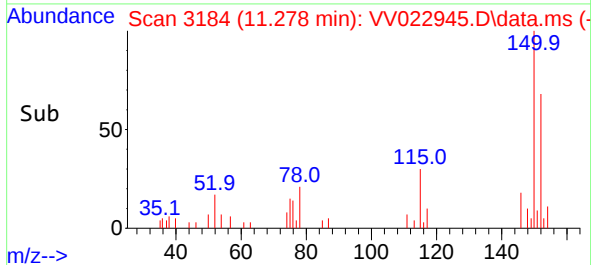
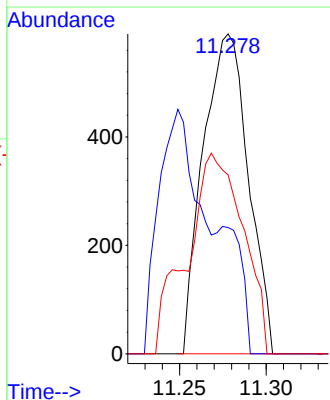
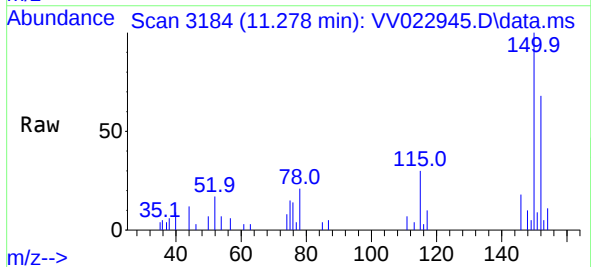
Instrument :
MSVOA_V
ClientSampled :
BFGA8DL

Tgt Ion:146 Resp: 1119
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.5
148 49.2 45.1 83.9

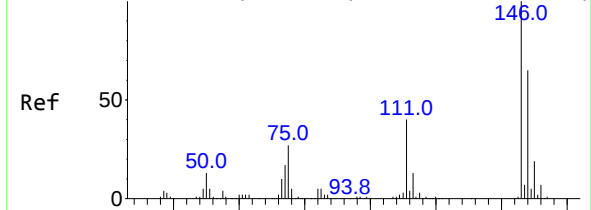


#65
1,4-Dichlorobenzene
Concen: 0.07 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

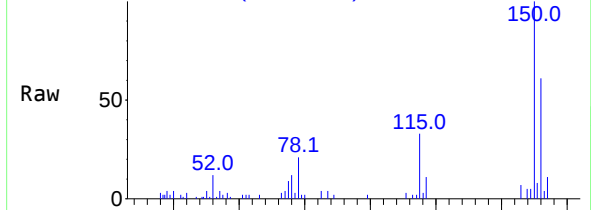
Tgt Ion:146 Resp: 1072
Ion Ratio Lower Upper
146 100
111 39.5 25.6 47.4
148 55.9 44.9 83.5



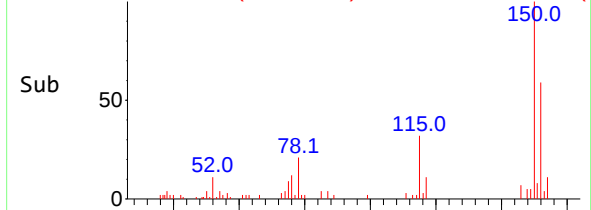
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Abundance Scan 3299 (11.648 min): VV022945.D\data.ms (-

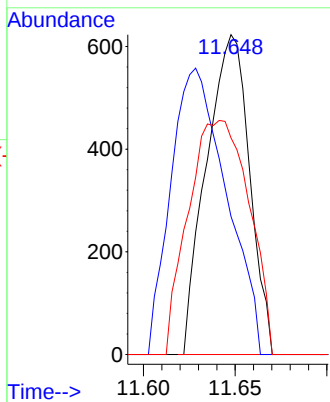


Abundance Scan 3299 (11.648 min): VV022945.D\data.ms (-



#67
1,2-Dichlorobenzene
Concen: 0.07 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion:146	Resp:	1017
Ion	Ratio	Lower Upper
146	100	
111	43.2	32.3 48.5
148	67.7	52.1 78.1



Instrument :
MSVOA_V
ClientSampleId :
BFGA8DL