

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031535.D
 Acq On : 15 Jun 2023 16:46
 Operator : SY/MD
 Sample : 03249-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT3

Quant Time: Jun 16 02:49:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 02:44:48 2023
 Response via : Initial Calibration

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

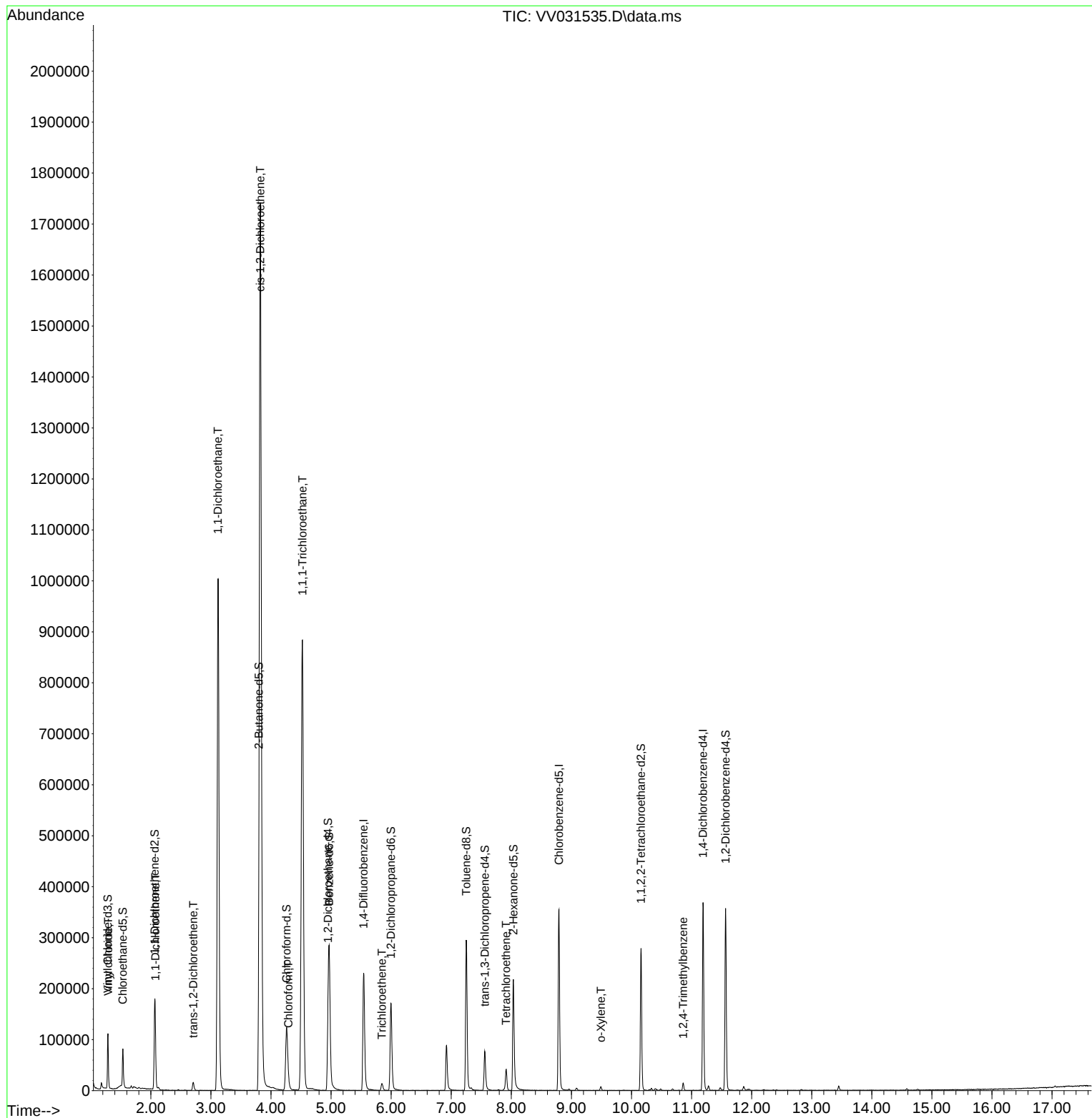
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	189154	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	187707	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	90584	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48581	38.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.180%
7) Chloroethane-d5	1.532	69	48153	43.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.680%
11) 1,1-Dichloroethene-d2	2.066	65	25959	40.010	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.020%
21) 2-Butanone-d5	3.799	46	117691	115.457	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.460%
24) Chloroform-d	4.259	84	134359	42.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.240%
26) 1,2-Dichloroethane-d4	4.950	65	92002	46.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
32) Benzene-d6	4.969	84	242250	45.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
36) 1,2-Dichloropropane-d6	5.995	67	87414	46.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.360%
41) Toluene-d8	7.249	98	199404	41.127	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.260%
43) trans-1,3-Dichloroprop...	7.558	79	41016	44.929	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.860%
47) 2-Hexanone-d5	8.034	63	78225	105.797	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.800%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	133540	47.244	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.480%
66) 1,2-Dichlorobenzene-d4	11.567	152	87061	50.421	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%
Target Compounds						Qvalue
5) Vinyl chloride	1.288	62	24568	13.091	ug/L	100
12) 1,1-Dichloroethene	2.076	96	15277	10.915	ug/L #	29
17) trans-1,2-Dichloroethene	2.706	96	5211	3.567	ug/L	89
19) 1,1-Dichloroethane	3.117	63	1041773	330.392	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	918732	581.904	ug/L	99
25) Chloroform	4.291	83	7673	2.341	ug/L	97
30) 1,1,1-Trichloroethane	4.522	97	766843	254.807	ug/L	99
34) Trichloroethene	5.847	95	4718	2.825	ug/L	94
46) Tetrachloroethene	7.911	164	9653	7.365	ug/L	92
54) o-Xylene	9.490	106	1894	0.754	ug/L	73
63) 1,2,4-Trimethylbenzene	10.860	105	8402	1.889	ug/L	95

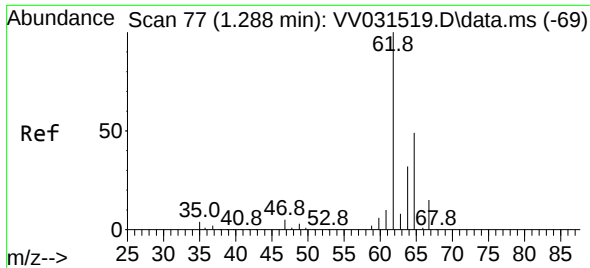
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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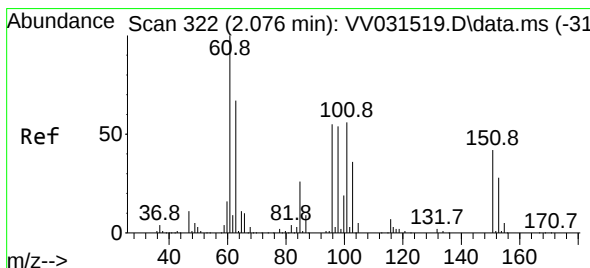
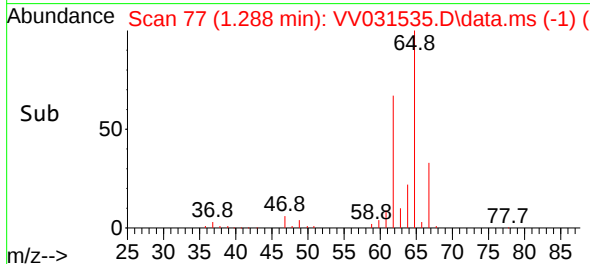
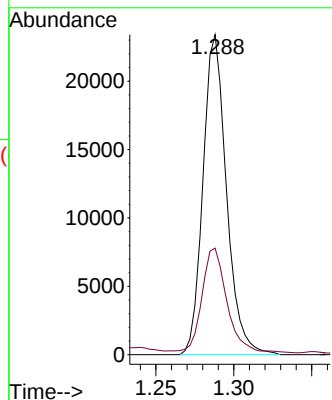
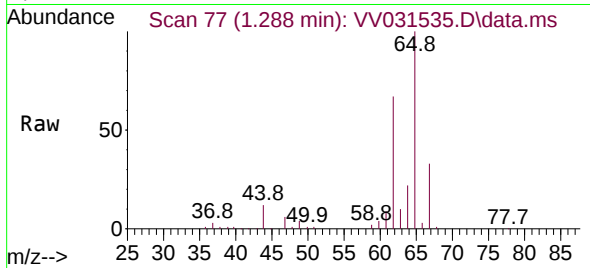




#5
 Vinyl chloride
 Concen: 13.091 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031535.D
 Acq: 15 Jun 2023 16:46

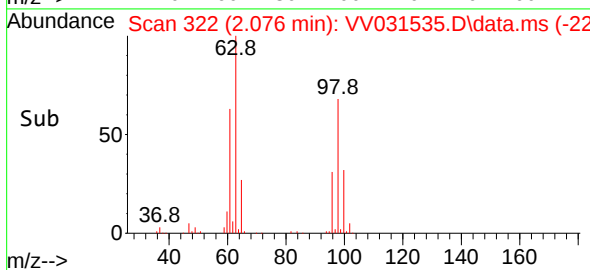
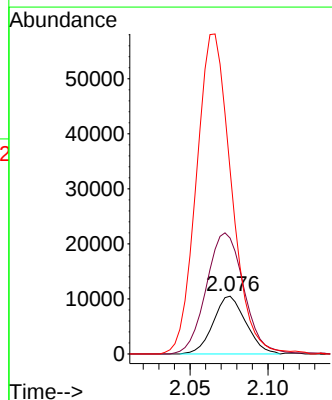
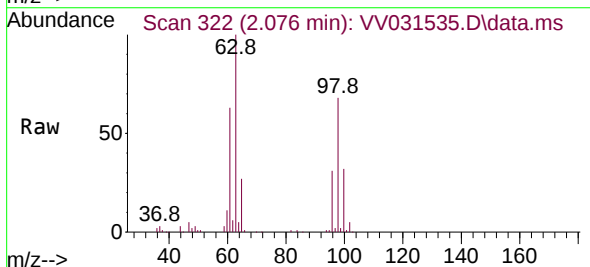
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT3

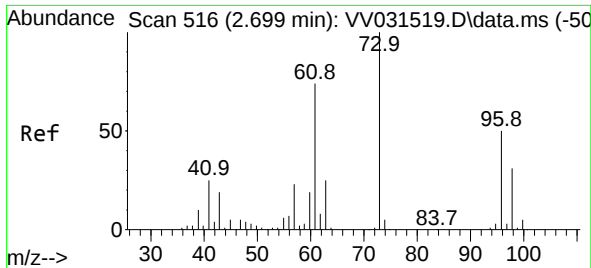
Tgt Ion: 62 Resp: 24568
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 10.915 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031535.D
 Acq: 15 Jun 2023 16:46

Tgt Ion: 96 Resp: 15277
 Ion Ratio Lower Upper
 96 100
 61 200.4 128.9 239.5
 63 318.0 95.3 177.1#

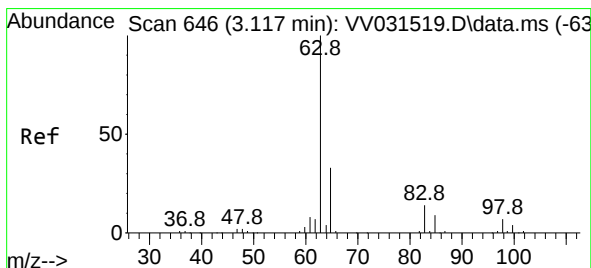
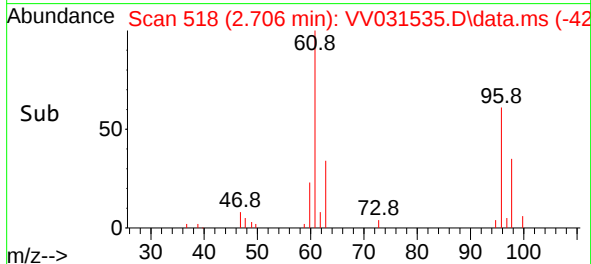
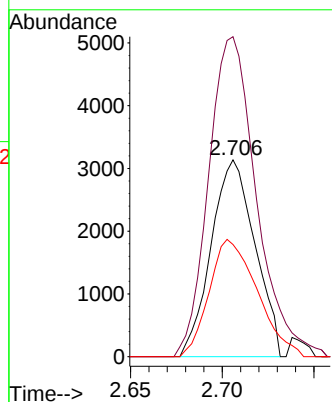
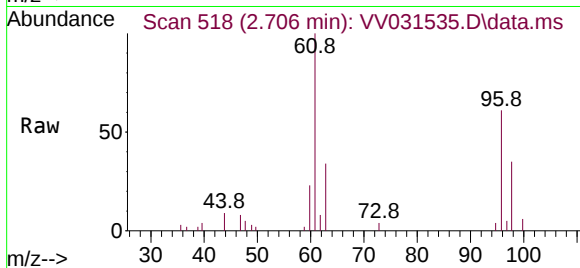




#17
trans-1,2-Dichloroethene
Concen: 3.567 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.007 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

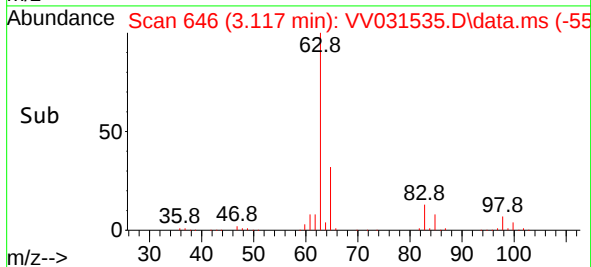
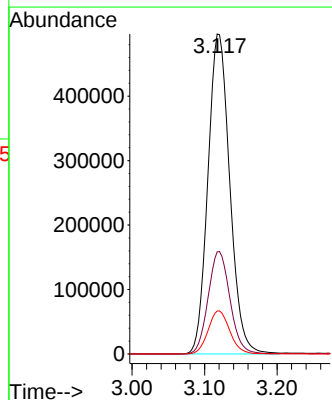
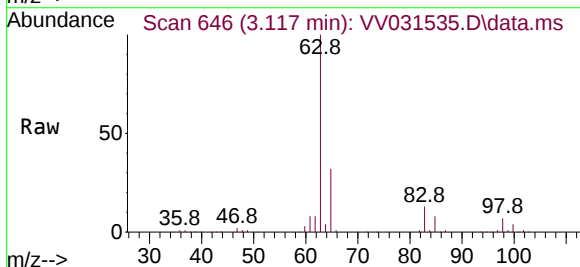
Instrument :
MSVOA_V
ClientSampleId :
EXYT3

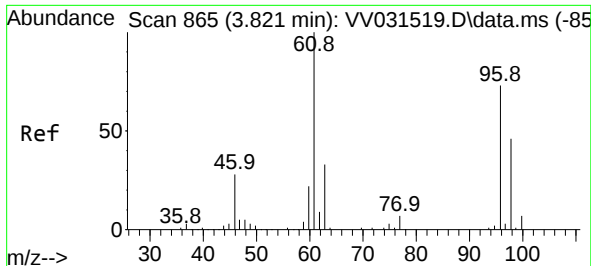
Tgt Ion: 96 Resp: 5211
Ion Ratio Lower Upper
96 100
61 162.6 102.5 190.3
98 57.0 44.1 81.9



#19
1,1-Dichloroethane
Concen: 330.392 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion: 63 Resp: 1041773
Ion Ratio Lower Upper
63 100
65 31.9 22.5 41.7
83 13.4 10.0 18.6





#20

cis-1,2-Dichloroethene

Concen: 581.904 ug/L

RT: 3.822 min Scan# 8

Delta R.T. 0.000 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Instrument :

MSVOA_V

ClientSampleId :

EXYT3

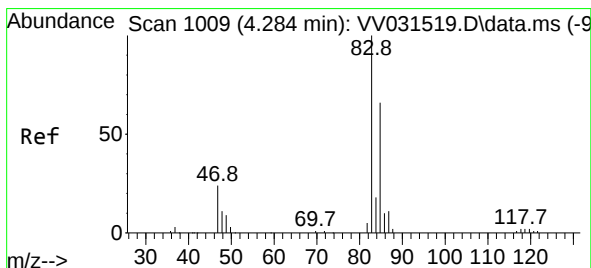
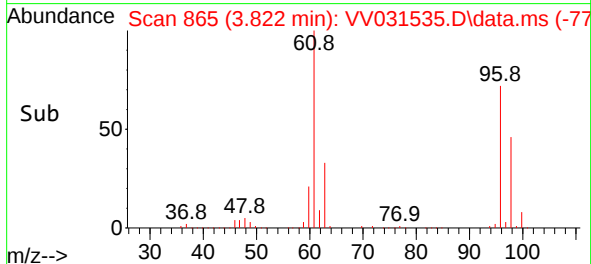
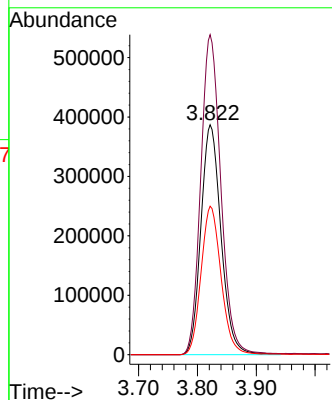
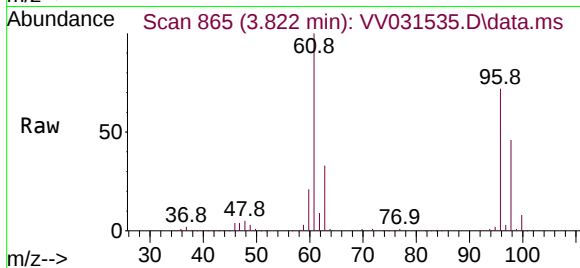
Tgt Ion: 96 Resp: 918732

Ion Ratio Lower Upper

96 100

61 139.1 98.6 183.0

98 64.6 45.7 84.9



#25

Chloroform

Concen: 2.341 ug/L

RT: 4.291 min Scan# 1011

Delta R.T. 0.007 min

Lab File: VV031535.D

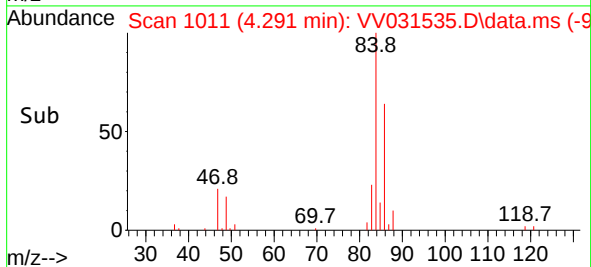
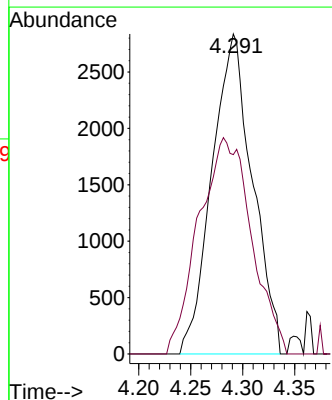
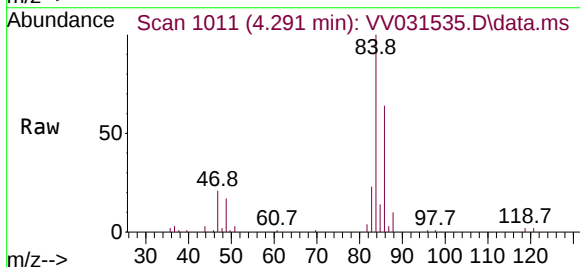
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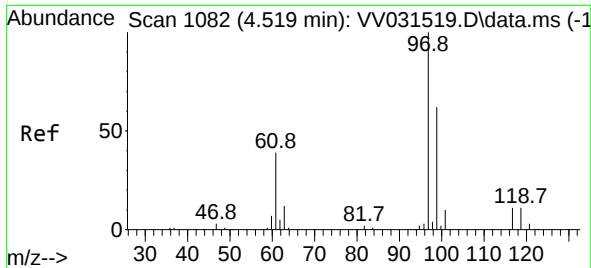
Tgt Ion: 83 Resp: 7673

Ion Ratio Lower Upper

83 100

85 62.3 45.3 84.1

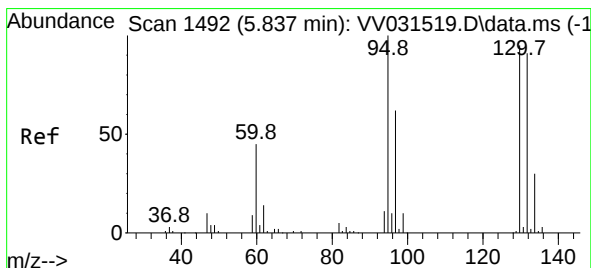
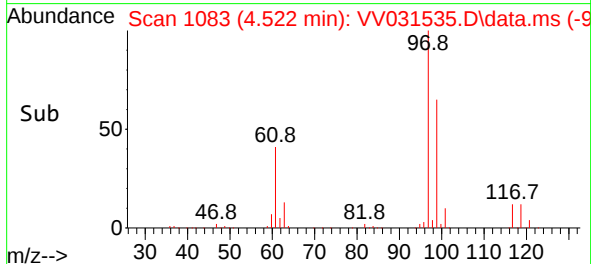
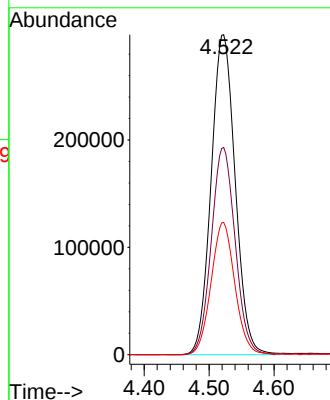
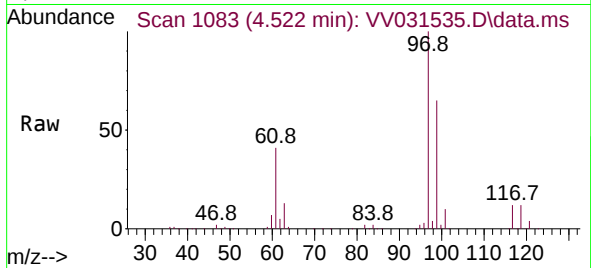




#30
1,1,1-Trichloroethane
Concen: 254.807 ug/L
RT: 4.522 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

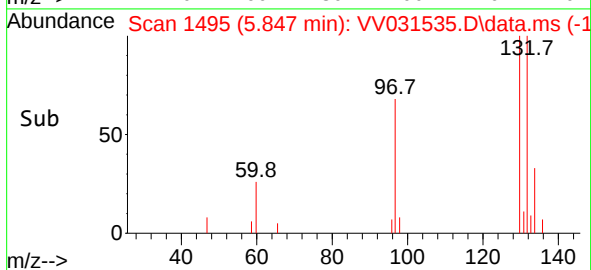
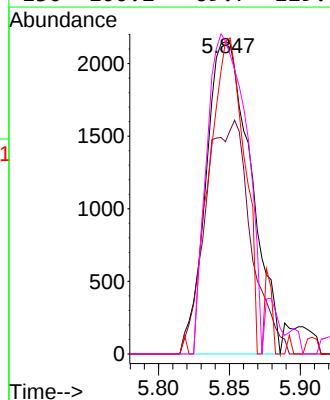
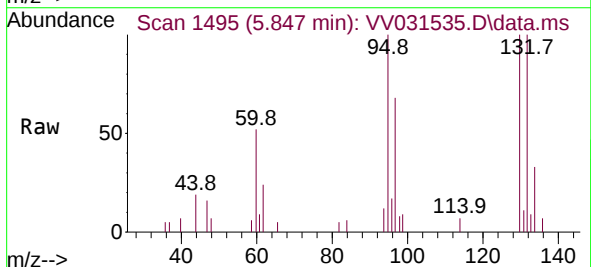
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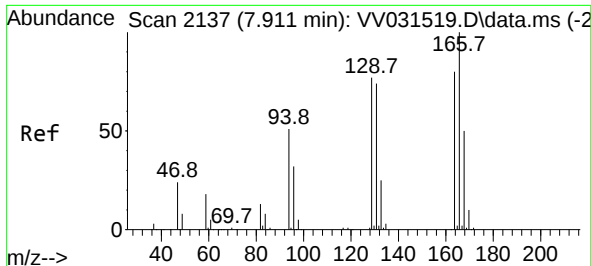
Tgt Ion: 97 Resp: 766843
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 40.8 33.0 49.6



#34
Trichloroethene
Concen: 2.825 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.010 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion: 95 Resp: 4718
Ion Ratio Lower Upper
95 100
97 68.0 46.8 86.8
132 108.8 66.4 123.2
130 100.2 69.7 129.4

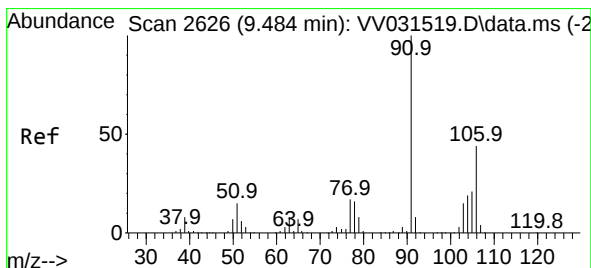
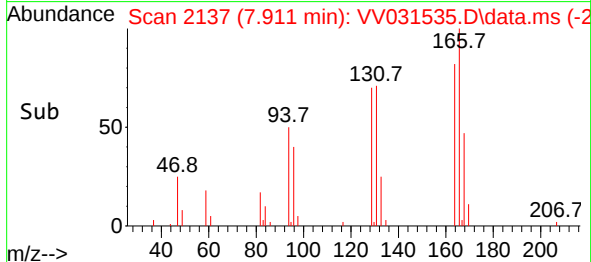
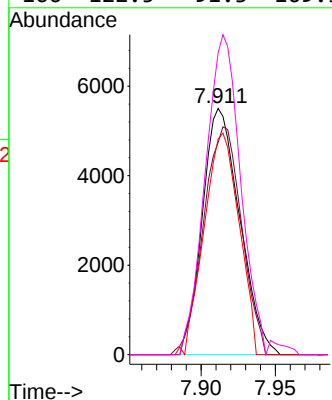
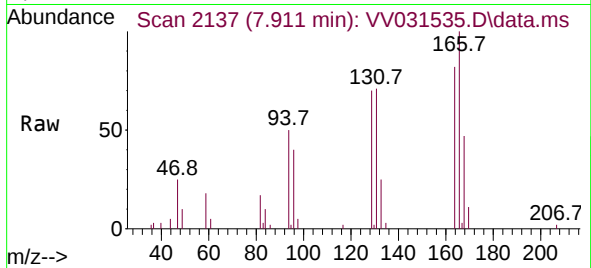




#46
Tetrachloroethene
Concen: 7.365 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

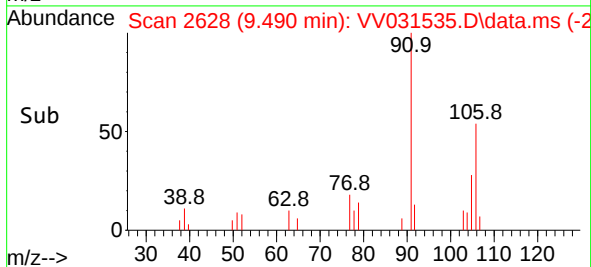
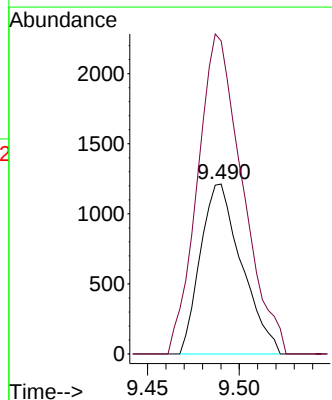
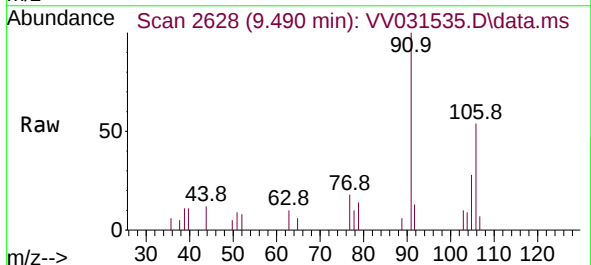
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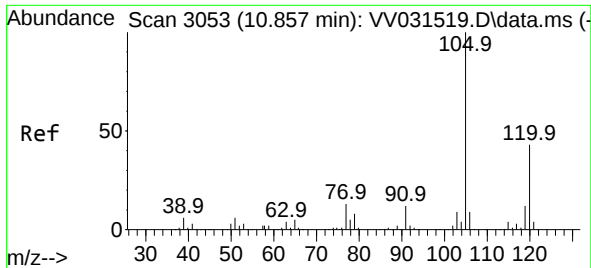
Tgt Ion:	164	Resp:	9653
Ion	Ratio	Lower	Upper
164	100		
129	88.3	68.4	127.0
131	87.5	67.6	125.6
166	122.5	91.3	169.5



#54
o-Xylene
Concen: 0.754 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.007 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion:	106	Resp:	1894
Ion	Ratio	Lower	Upper
106	100		
91	185.3	161.3	299.7





#63
 1,2,4-Trimethylbenzene
 Concen: 1.889 ug/L
 RT: 10.860 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VV031535.D
 Acq: 15 Jun 2023 16:46

Instrument :
 MSVOA_V
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Tgt Ion:105 Resp: 8402
 Ion Ratio Lower Upper
 105 100
 120 38.8 33.4 50.2

