

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029145.D
 Acq On : 19 Nov 2022 02:51
 Operator : SY/MD
 Sample : M5666-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 03:56:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	285627	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	261271	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	119790	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	67709	3.888	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.568	69	63902	4.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.108	63	118281	3.727	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	3.889	46	212339	72.846	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	145.700%#
24) Chloroform-d	4.342	84	164192	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.031	65	79633	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.047	84	329874	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.066	67	106983	4.913	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.310	98	288495	4.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	7.619	79	31751	4.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.088	63	149291	49.244	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.480%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	80102	5.305	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	109177	5.094	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%

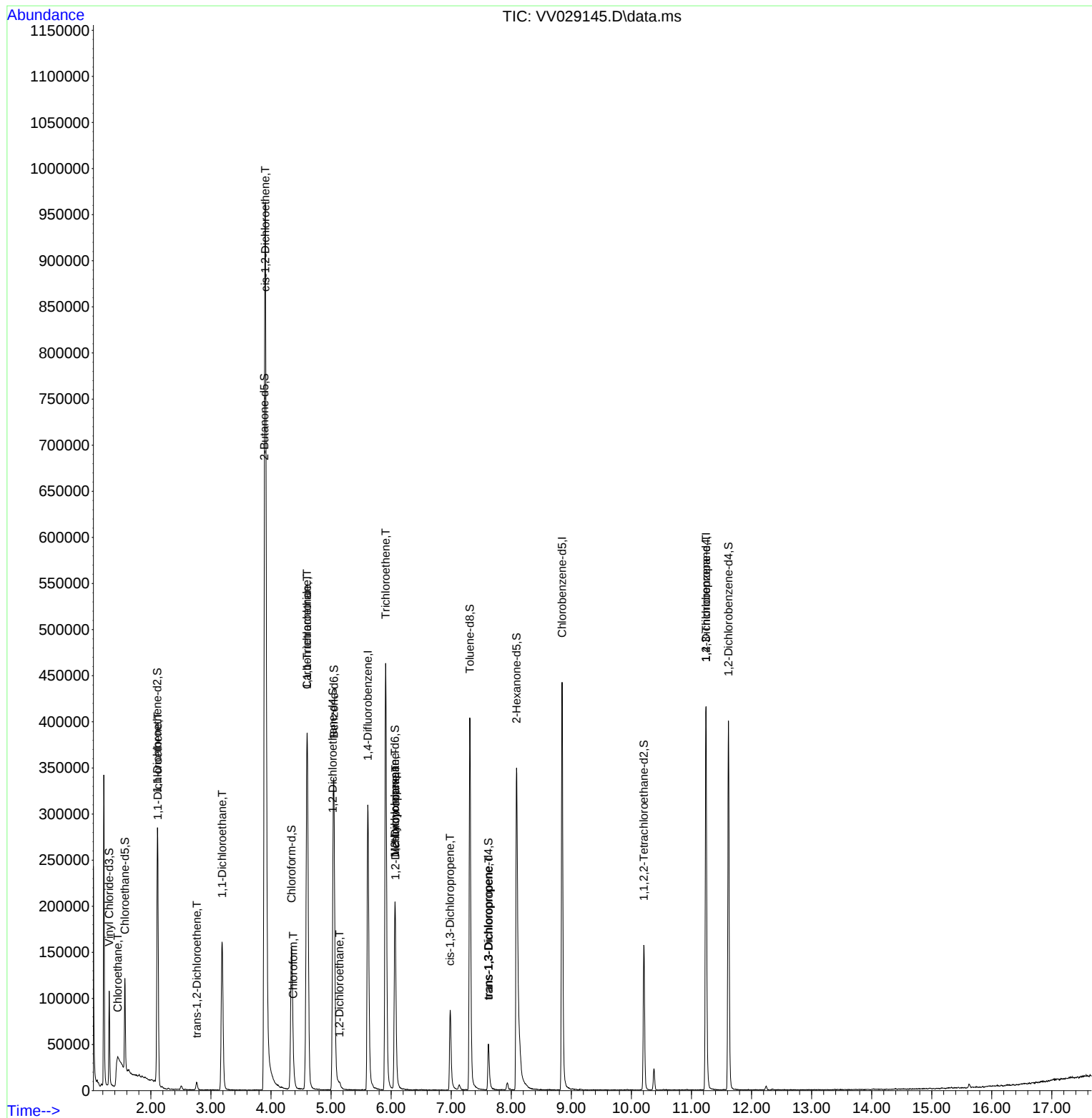
Target Compounds				Qvalue		
8) Chloroethane	1.449	64	137555	10.385	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	45168	2.612	ug/L #	71
18) trans-1,2-Dichloroethene	2.767	96	3006	0.150	ug/L	92
19) 1,1-Dichloroethane	3.185	63	167638	5.113	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	539455	26.460	ug/L	97
25) Chloroform	4.371	83	8465	0.246	ug/L #	73
27) 1,2-Dichloroethane	5.140	62	5932	0.335	ug/L	96
29) 1,1,1-Trichloroethane	4.600	97	321333	10.481	ug/L	98
31) Carbon tetrachloride	4.600	117	42633	1.615	ug/L	98
34) Trichloroethene	5.908	95	171348	8.383	ug/L	96
35) Methylcyclohexane	6.066	83	25704	0.716	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	10654	0.579	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	2249	0.087	ug/L #	41
44) trans-1,3-Dichloropropene	7.622	75	1450	0.073	ug/L	99
61) 1,2,3-Trichloropropane	11.243	75	13346	1.630	ug/L #	65

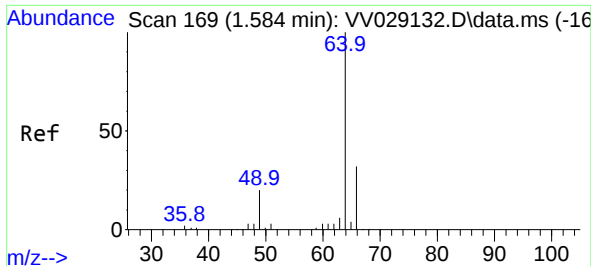
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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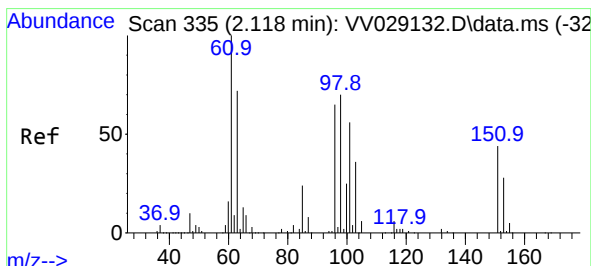
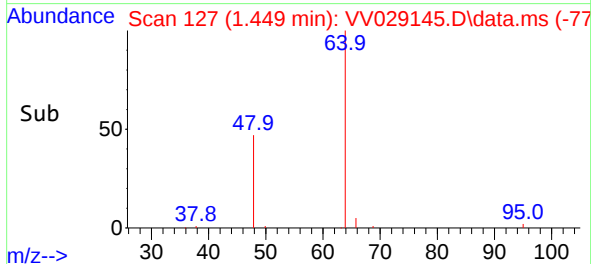
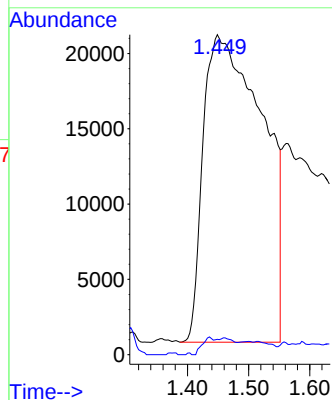
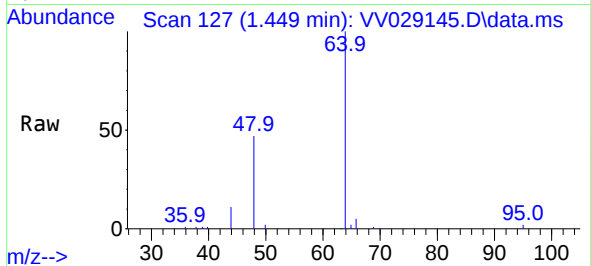




#8
Chloroethane
Concen: 10.385 ug/L
RT: 1.449 min Scan# 11
Delta R.T. -0.138 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

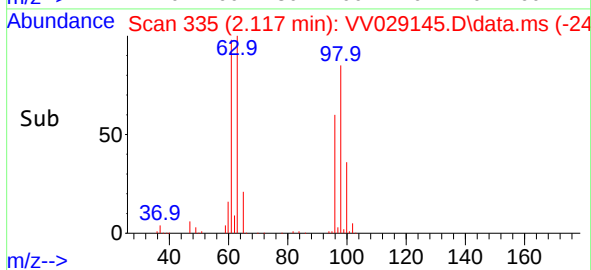
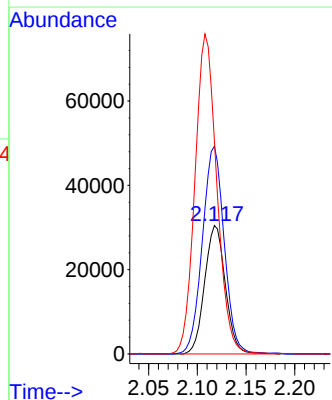
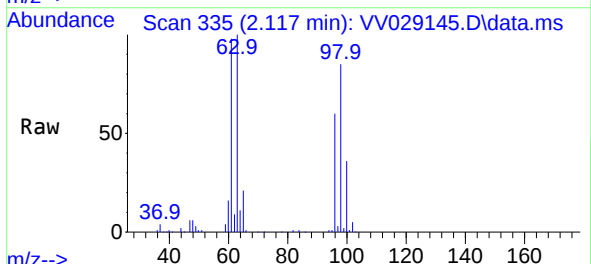
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MSVOA_V
ClientSampleId :

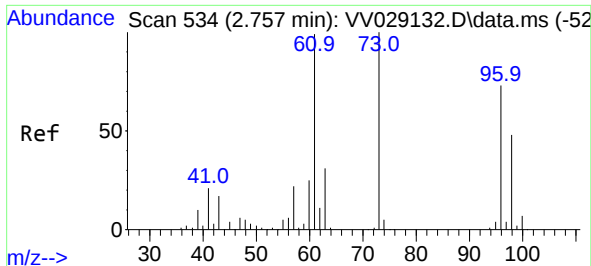
Tgt Ion: 64 Resp: 137555
Ion Ratio Lower Upper
64 100
66 4.8 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 2.612 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

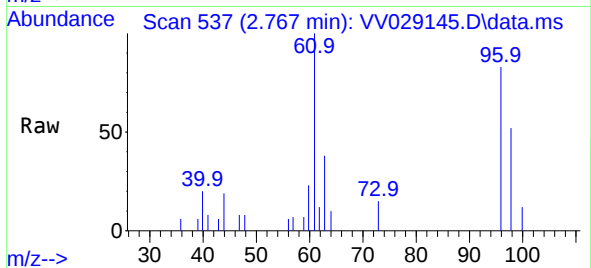
Tgt Ion: 96 Resp: 45168
Ion Ratio Lower Upper
96 100
61 161.8 104.2 193.4
63 165.7 75.9 140.9#



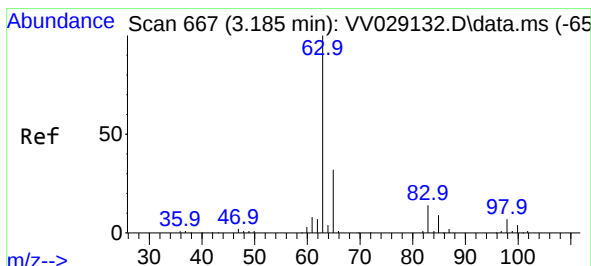
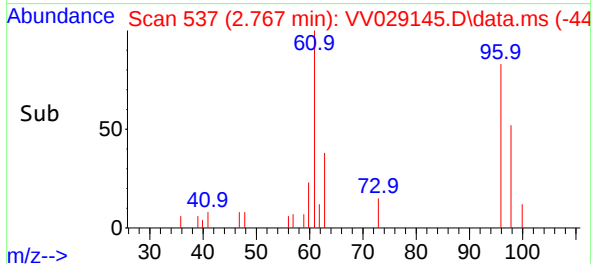
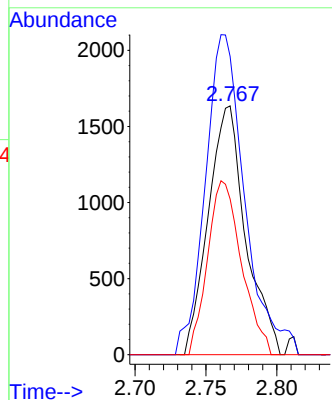


#18
trans-1,2-Dichloroethene
Concen: 0.150 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

Instrument :
MSVOA_V
ClientSampleId :

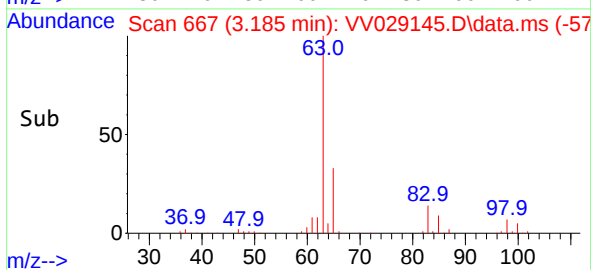
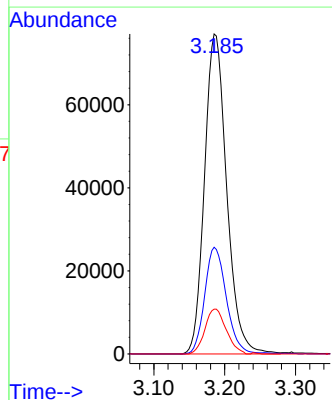
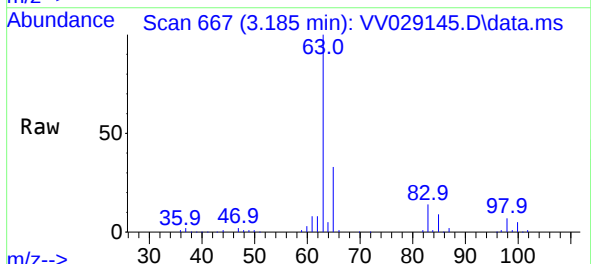


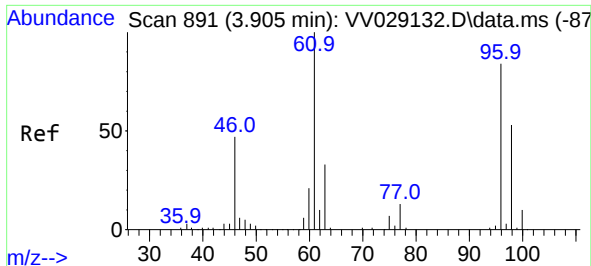
Tgt Ion: 96 Resp: 3006
Ion Ratio Lower Upper
96 100
61 119.9 91.8 170.6
98 62.6 46.4 86.2



#19
1,1-Dichloroethane
Concen: 5.113 ug/L
RT: 3.185 min Scan# 667
Delta R.T. -0.003 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

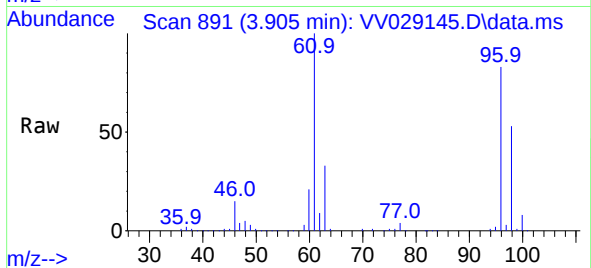
Tgt Ion: 63 Resp: 167638
Ion Ratio Lower Upper
63 100
65 33.4 23.0 42.6
83 14.0 9.4 17.6



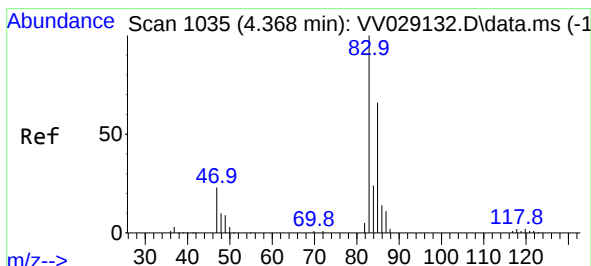
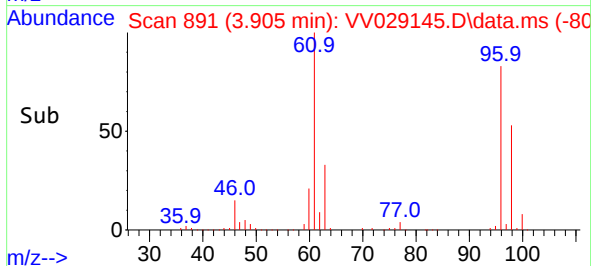
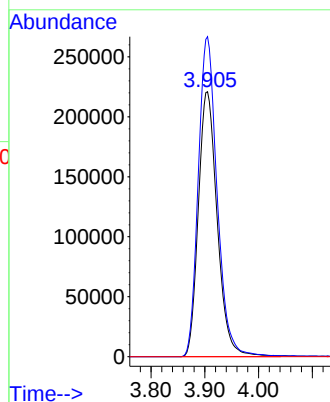


#22
cis-1,2-Dichloroethene
Concen: 26.460 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.007 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

Instrument :
MSVOA_V
ClientSampleId :

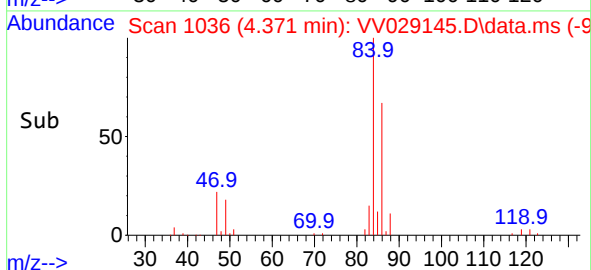
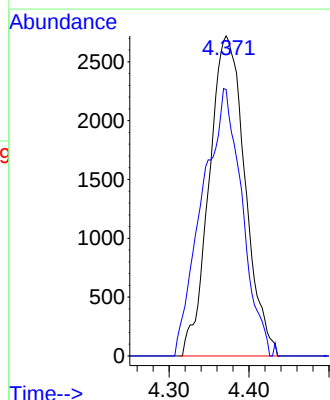
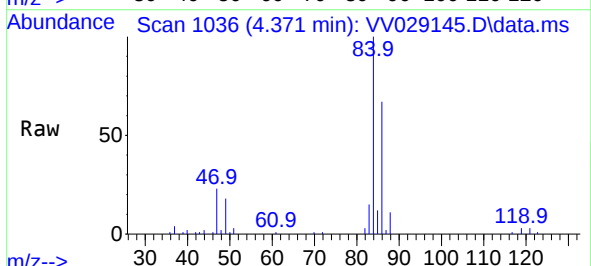


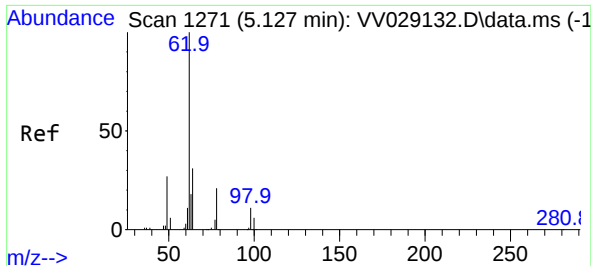
Tgt Ion: 96 Resp: 539455
Ion Ratio Lower Upper
96 100
61 120.8 82.3 152.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.246 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

Tgt Ion: 83 Resp: 8465
Ion Ratio Lower Upper
83 100
85 83.2 43.7 81.1#

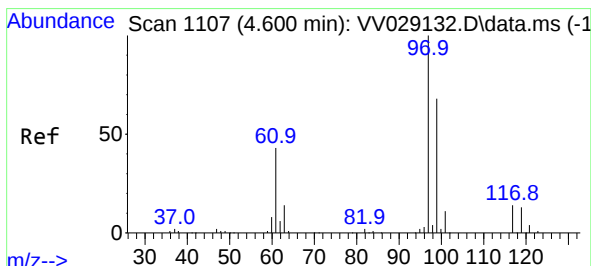
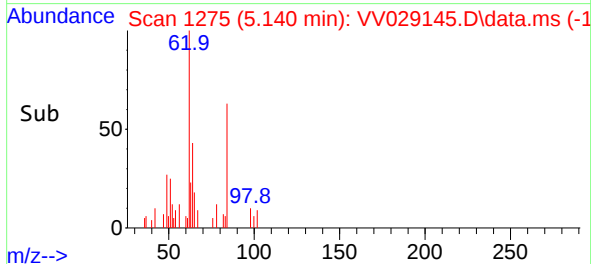
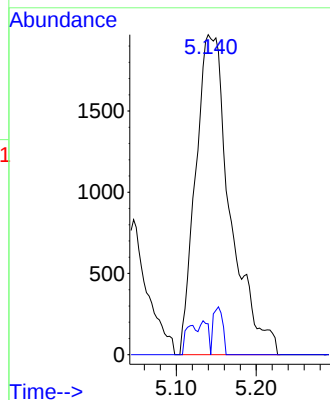
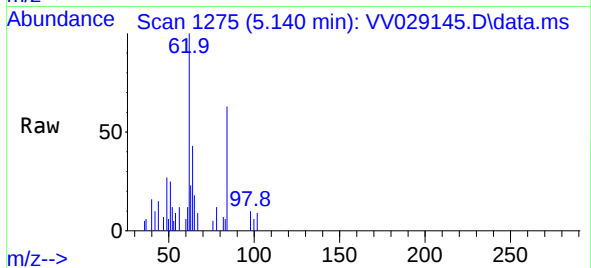




#27
1,2-Dichloroethane
Concen: 0.335 ug/L
RT: 5.140 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

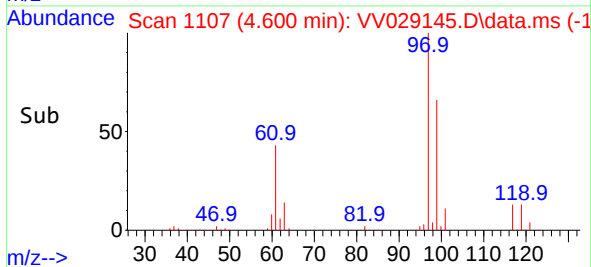
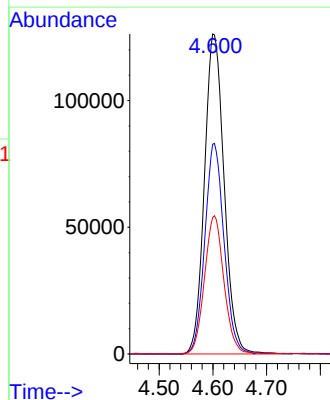
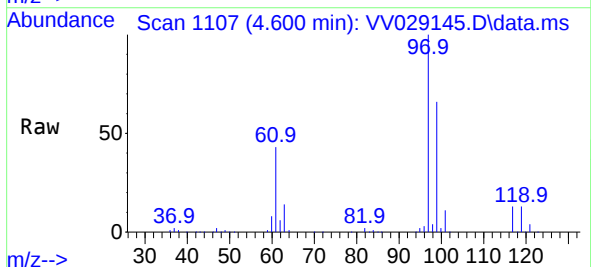
Instrument :
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ClientSampleId :

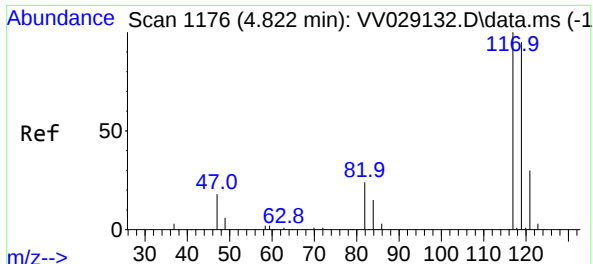
Tgt Ion: 62 Resp: 5932
Ion Ratio Lower Upper
62 100
98 9.6 9.0 13.6



#29
1,1,1-Trichloroethane
Concen: 10.481 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.007 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

Tgt Ion: 97 Resp: 321333
Ion Ratio Lower Upper
97 100
99 64.2 52.7 79.1
61 42.7 33.8 50.6

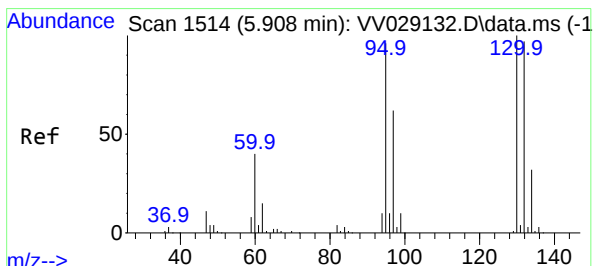
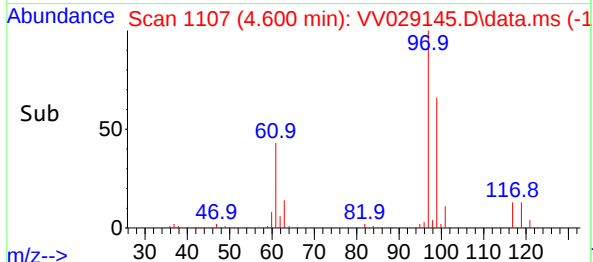
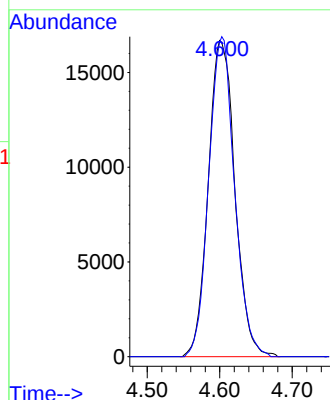
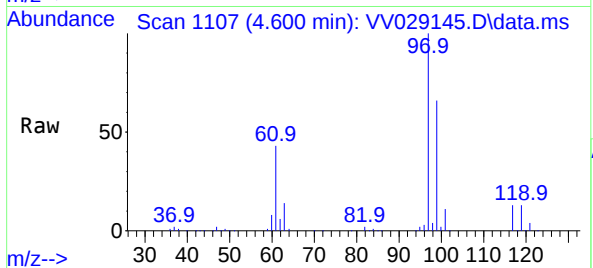




#31
Carbon tetrachloride
Concen: 1.615 ug/L
RT: 4.600 min Scan# 1176
Delta R.T. -0.228 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

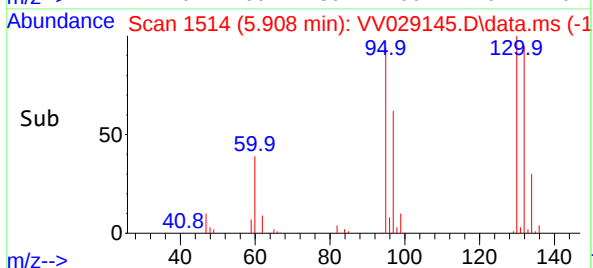
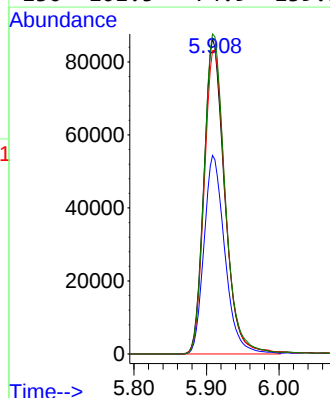
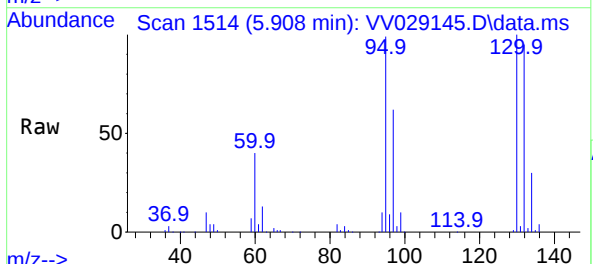
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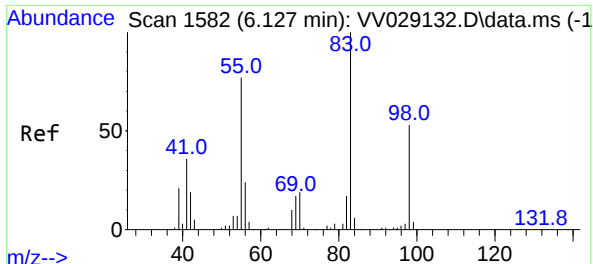
Tgt Ion:117 Resp: 42633
Ion Ratio Lower Upper
117 100
119 97.9 77.0 115.6



#34
Trichloroethene
Concen: 8.383 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.007 min
Lab File: VV029145.D
Acq: 19 Nov 2022 02:51

Tgt Ion: 95 Resp: 171348
Ion Ratio Lower Upper
95 100
97 63.0 45.6 84.8
132 96.2 69.1 128.3
130 101.5 74.9 139.1





#35

Methylcyclohexane

Concen: 0.716 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.064 min

Lab File: VV029145.D

Acq: 19 Nov 2022 02:51

Instrument :

MSVOA_V

ClientSampleId :

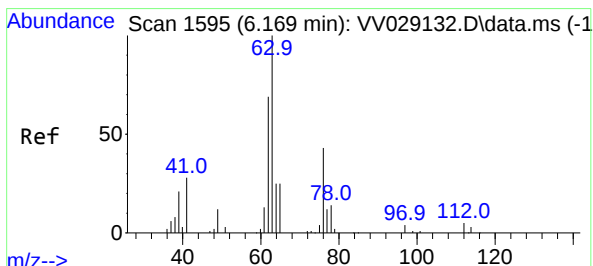
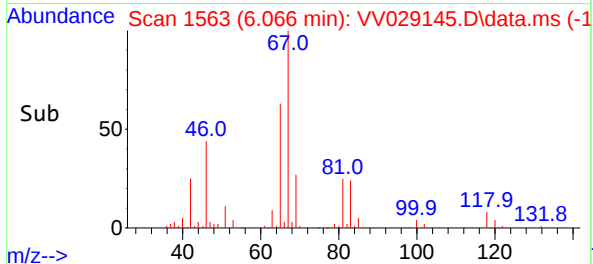
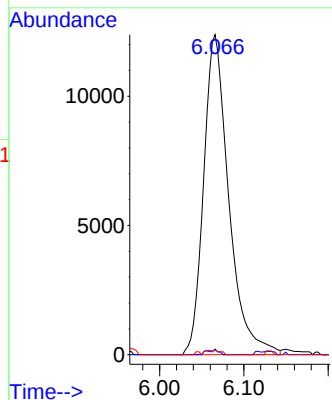
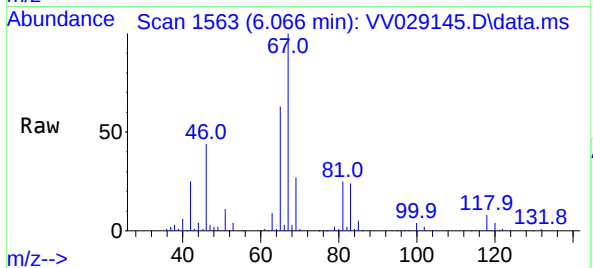
Tgt Ion: 83 Resp: 25704

Ion Ratio Lower Upper

83 100

55 0.3 55.8 83.6#

98 0.0 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV029145.D

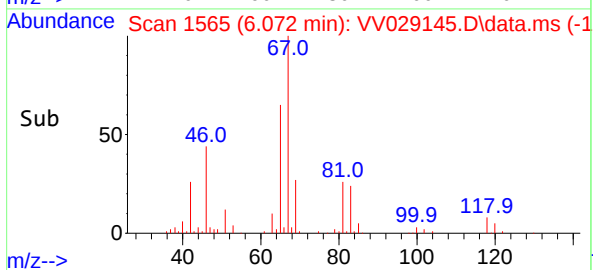
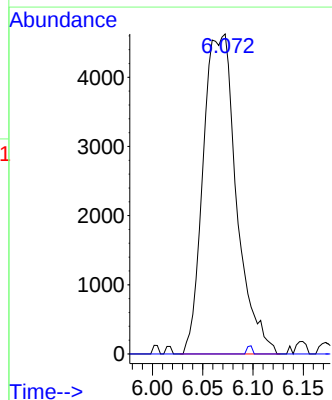
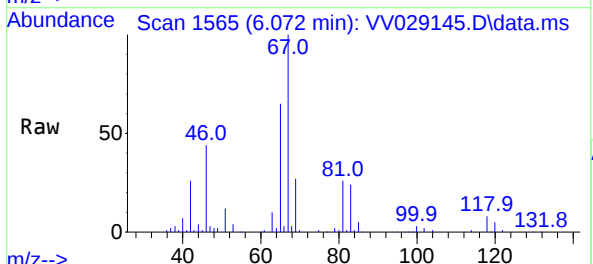
Acq: 19 Nov 2022 02:51

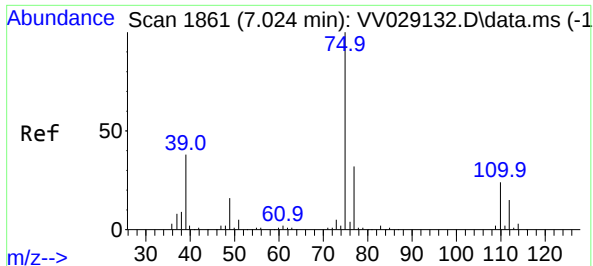
Tgt Ion: 63 Resp: 10654

Ion Ratio Lower Upper

63 100

112 0.4 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV029145.D

Acq: 19 Nov 2022 02:51

Instrument :

MSVOA_V

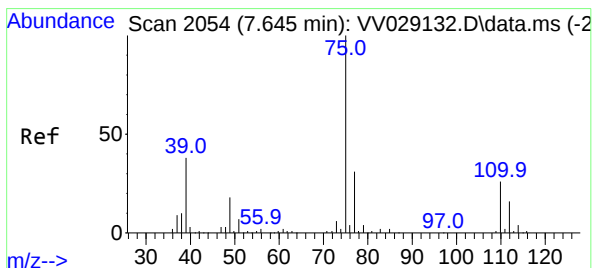
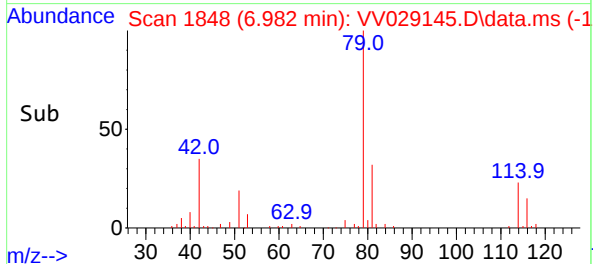
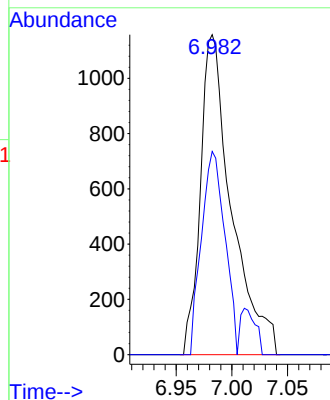
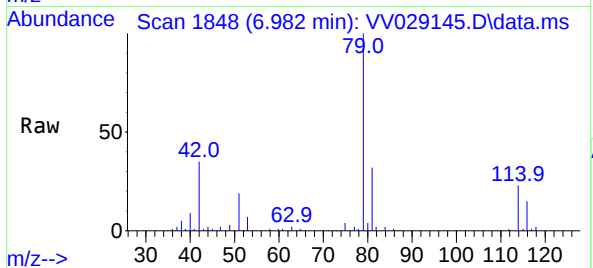
ClientSampleId :

Tgt Ion: 75 Resp: 2249

Ion Ratio Lower Upper

75 100

77 63.5 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.029 min

Lab File: VV029145.D

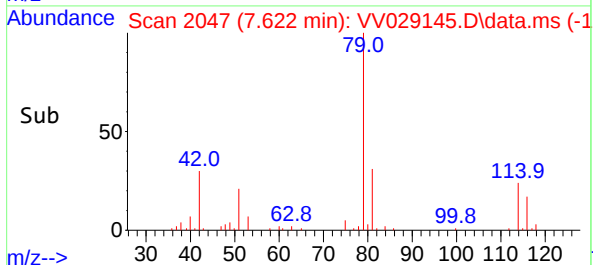
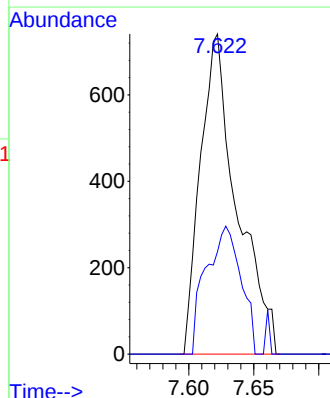
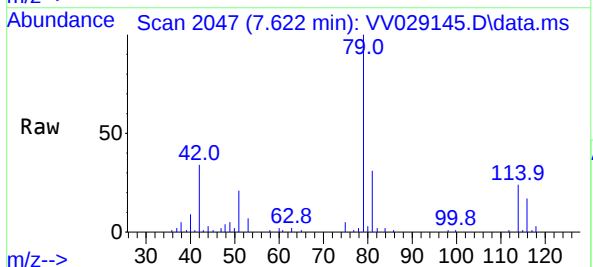
Acq: 19 Nov 2022 02:51

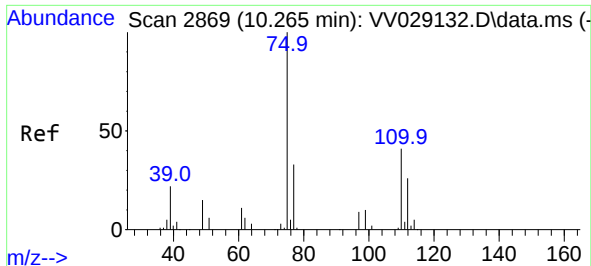
Tgt Ion: 75 Resp: 1450

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2





#61

1,2,3-Trichloropropane

Concen: 1.630 ug/L

RT: 11.243 min Scan# 31

Delta R.T. 0.974 min

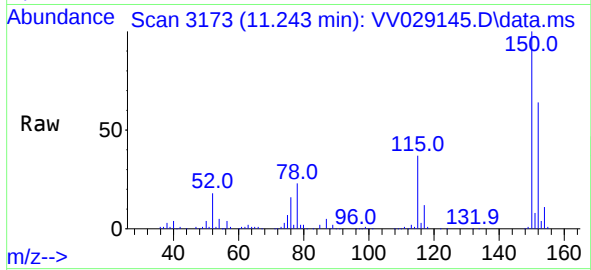
Lab File: VV029145.D

Acq: 19 Nov 2022 02:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 13346

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

110 1.7 32.6 48.8#

