

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082222\
 Data File : VV027469.D
 Acq On : 22 Aug 2022 15:46
 Operator : SY/MD
 Sample : N4252-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 03:13:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 23 03:03:07 2022
 Response via : Initial Calibration

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

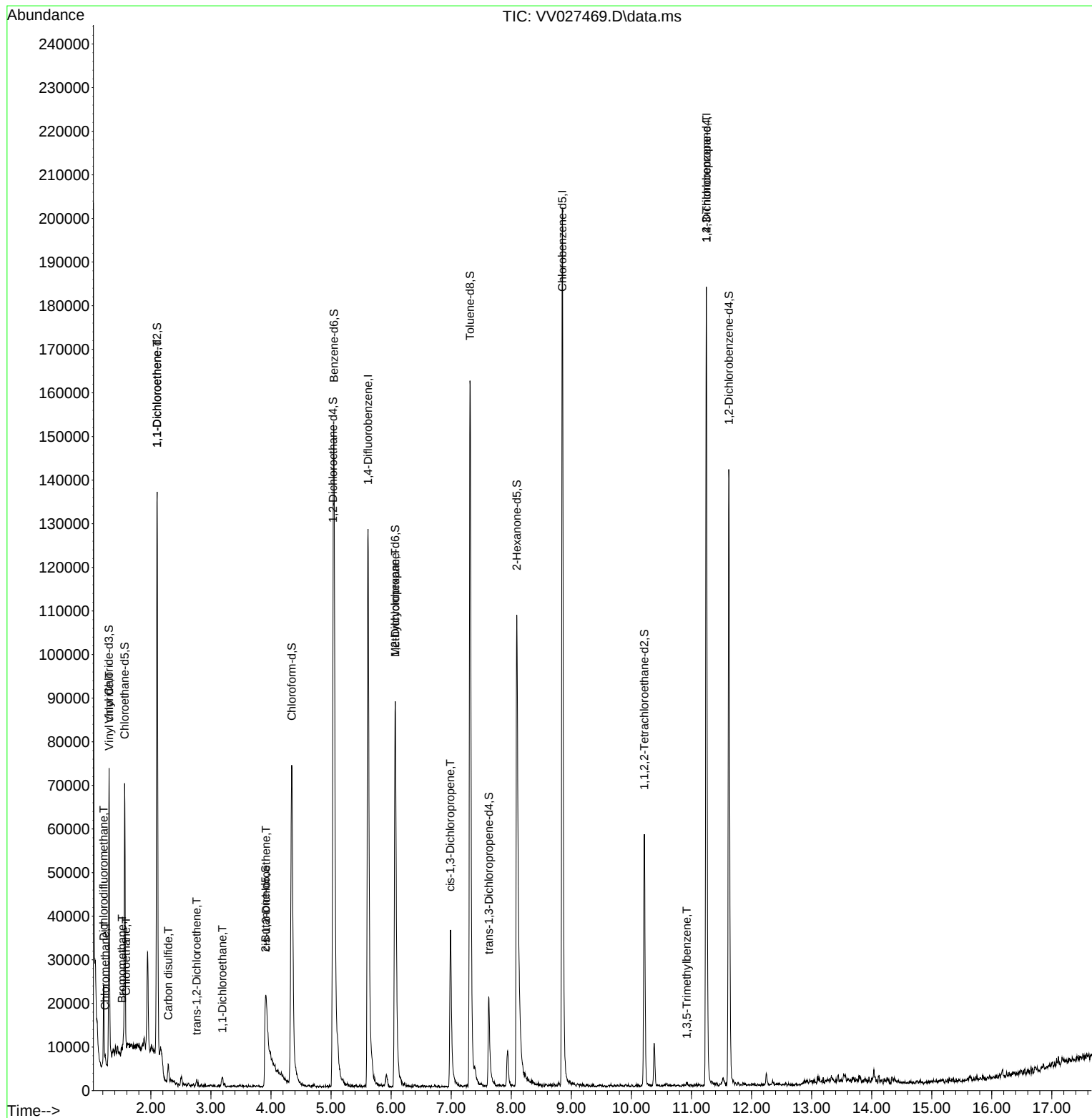
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	114724	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	113419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49273	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35821	4.387	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.565	69	37391	6.257	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.200%
11) 1,1-Dichloroethene-d2	2.105	63	68946	3.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	3.908	46	45477	44.755	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.520%
24) Chloroform-d	4.346	84	80768	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.034	65	36441	5.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.047	84	144629	4.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.069	67	45868	5.022	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.317	98	115352	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	7.629	79	13752	4.397	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.092	63	45811	44.501	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.000%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28325	4.870	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	36984	5.063	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.214	85	1278	0.105	ug/L	89
3) Chloromethane	1.240	50	1386	0.130	ug/L	96
5) Vinyl chloride	1.307	62	9325	0.871	ug/L	97
6) Bromomethane	1.520	94	470	0.089	ug/L	91
8) Chloroethane	1.587	64	460	0.074	ug/L #	75
12) 1,1-Dichloroethene	2.105	96	844	0.097	ug/L #	1
14) Carbon disulfide	2.291	76	4884	0.205	ug/L #	94
18) trans-1,2-Dichloroethene	2.764	96	405	0.045	ug/L #	89
19) 1,1-Dichloroethane	3.191	63	2093	0.113	ug/L #	86
22) cis-1,2-Dichloroethene	3.918	96	1680	0.176	ug/L	98
35) Methylcyclohexane	6.069	83	11038	0.791	ug/L #	15
39) cis-1,3-Dichloropropene	6.986	75	1106	0.091	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	5448	1.260	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.921	105	450	0.050	ug/L	94

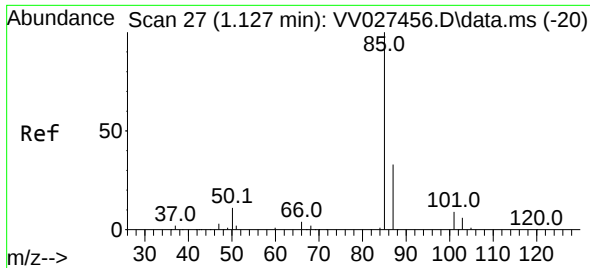
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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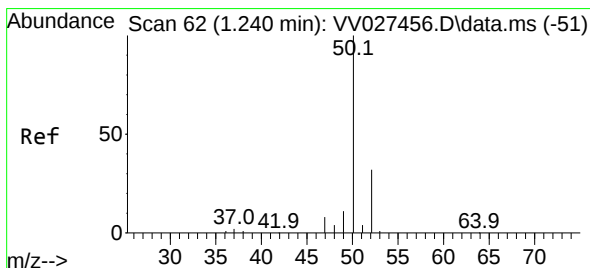
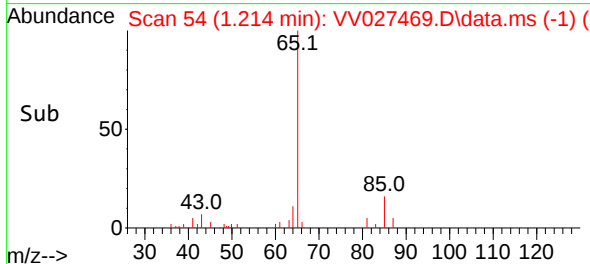
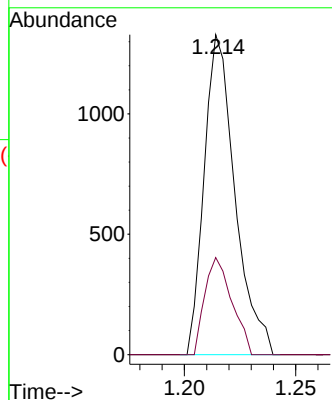
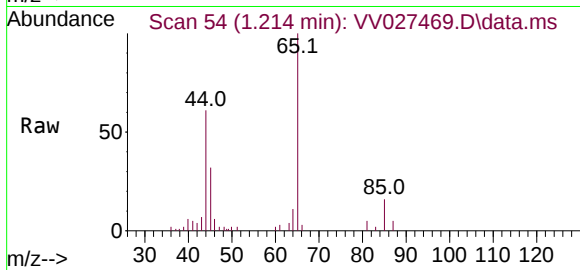




#2
 Dichlorodifluoromethane
 Concen: 0.105 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.087 min
 Lab File: VV027469.D
 Acq: 22 Aug 2022 15:46

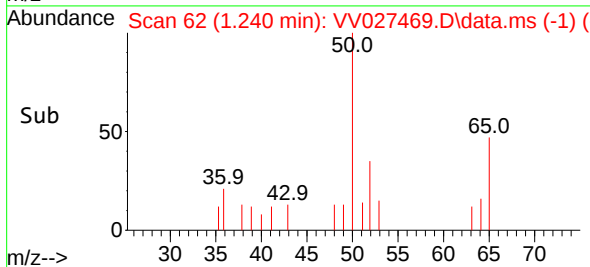
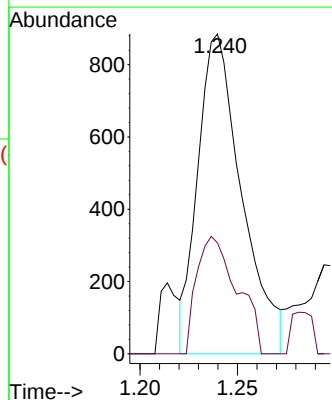
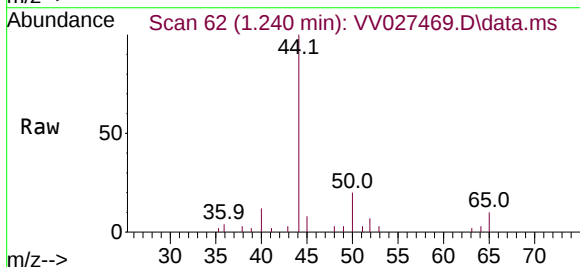
Instrument :
 MSVOA_V
 ClientSampleId :

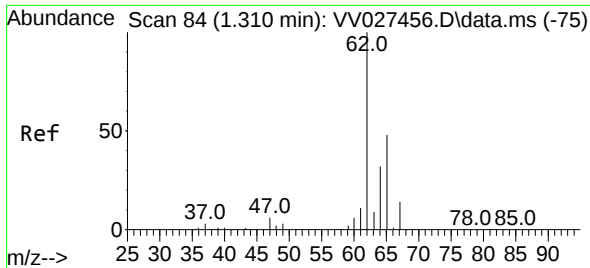
Tgt Ion: 85 Resp: 1278
 Ion Ratio Lower Upper
 85 100
 87 26.6 26.0 39.0



#3
 Chloromethane
 Concen: 0.130 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV027469.D
 Acq: 22 Aug 2022 15:46

Tgt Ion: 50 Resp: 1386
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.8 42.4

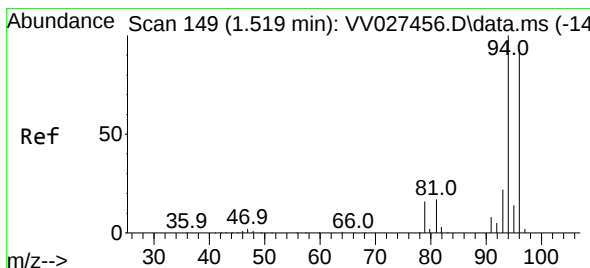
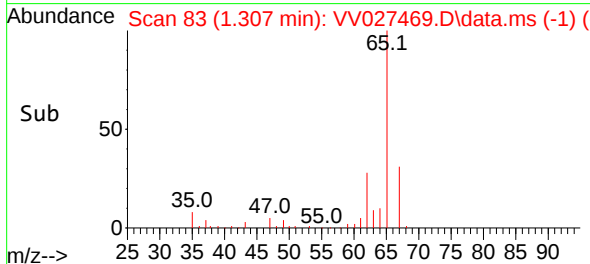
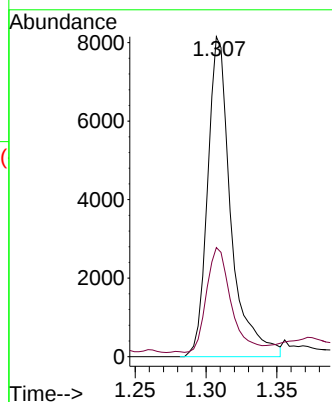
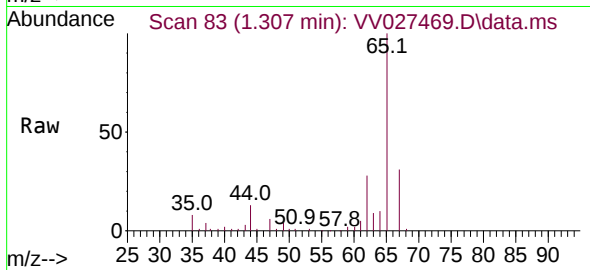




#5
 Vinyl chloride
 Concen: 0.871 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV027469.D
 Acq: 22 Aug 2022 15:46

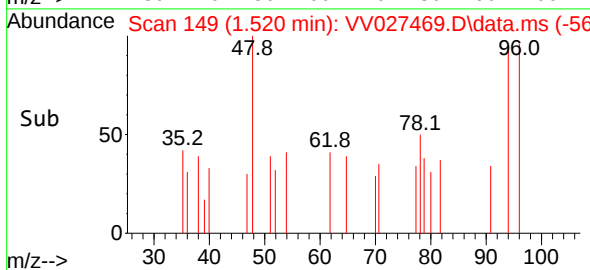
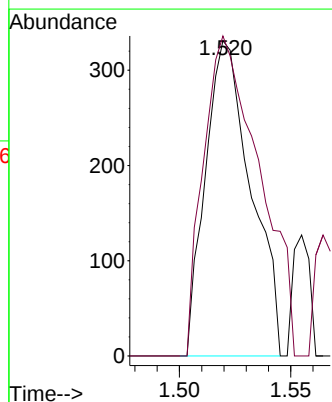
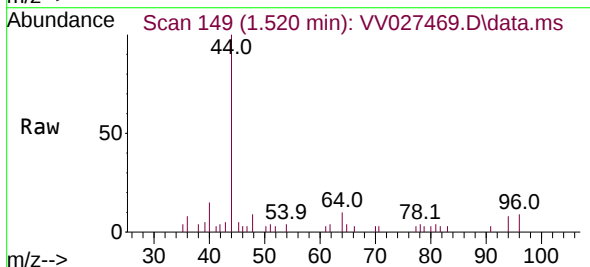
Instrument :
 MSVOA_V
 ClientSampleId :

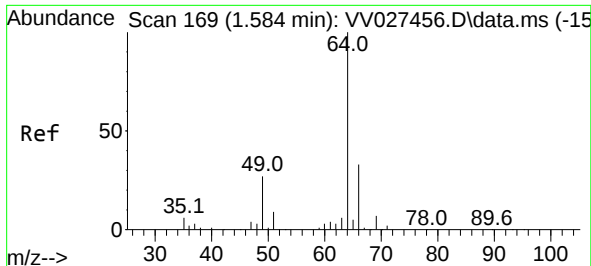
Tgt Ion: 62 Resp: 9325
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.6 42.0



#6
 Bromomethane
 Concen: 0.089 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV027469.D
 Acq: 22 Aug 2022 15:46

Tgt Ion: 94 Resp: 470
 Ion Ratio Lower Upper
 94 100
 96 101.5 65.2 121.0

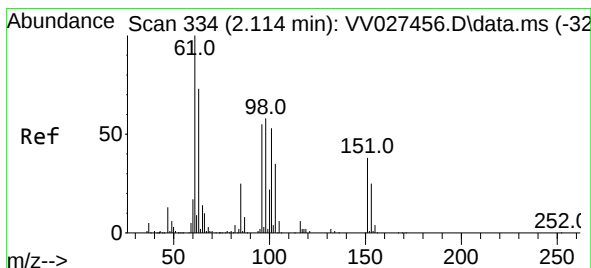
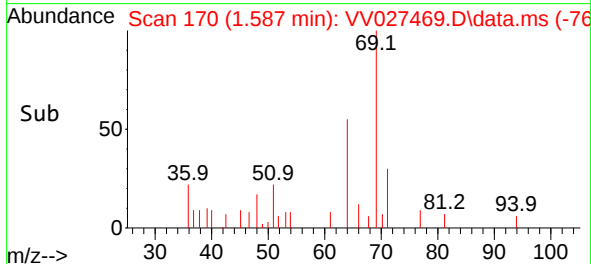
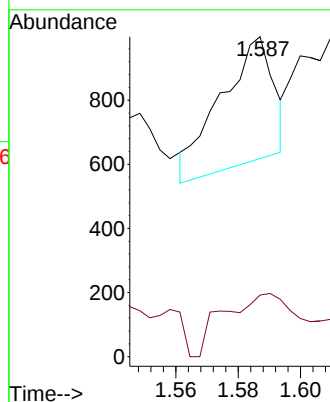
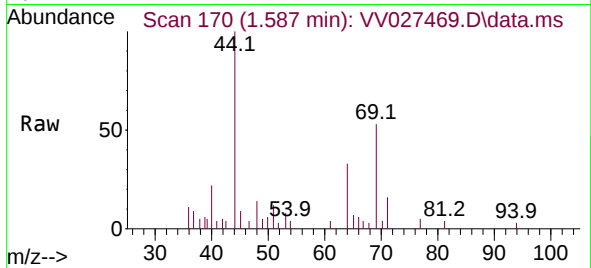




#8
Chloroethane
Concen: 0.074 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027469.D
Acq: 22 Aug 2022 15:46

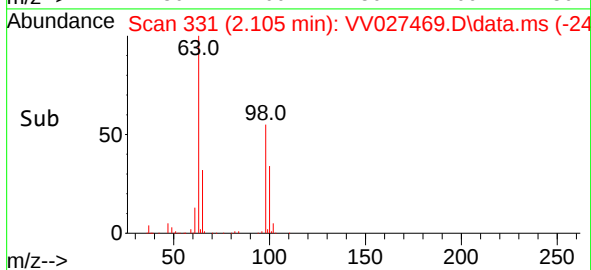
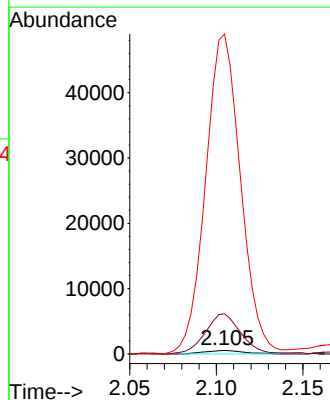
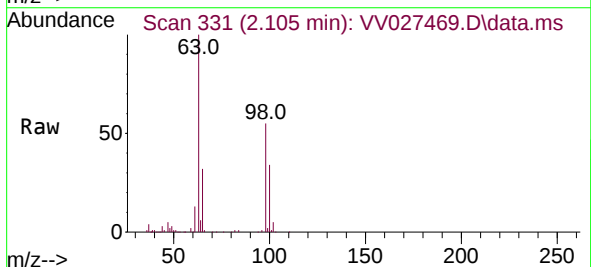
Instrument :
MSVOA_V
ClientSampleId :

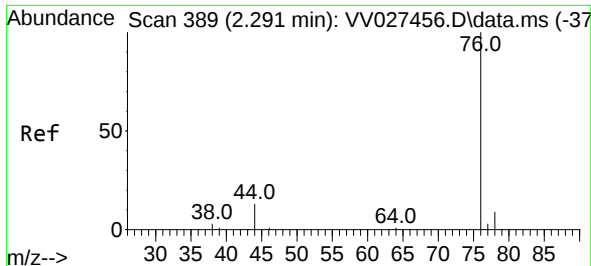
Tgt Ion: 64 Resp: 460
Ion Ratio Lower Upper
64 100
66 19.2 23.3 43.3#



#12
1,1-Dichloroethene
Concen: 0.097 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.010 min
Lab File: VV027469.D
Acq: 22 Aug 2022 15:46

Tgt Ion: 96 Resp: 844
Ion Ratio Lower Upper
96 100
61 1136.0 130.2 241.8#
63 9055.8 87.4 162.4#

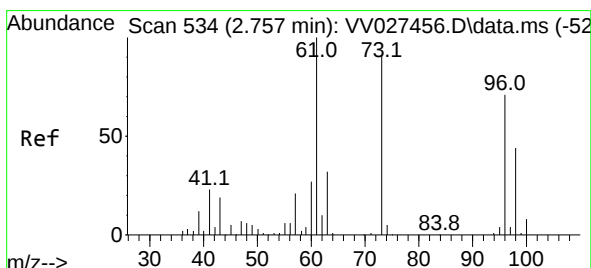
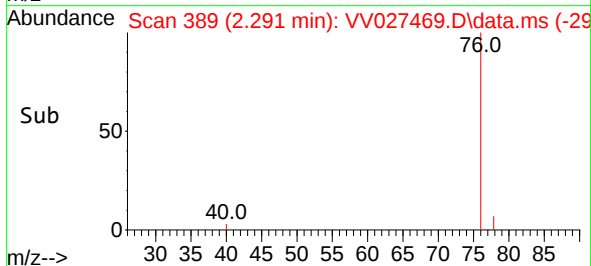
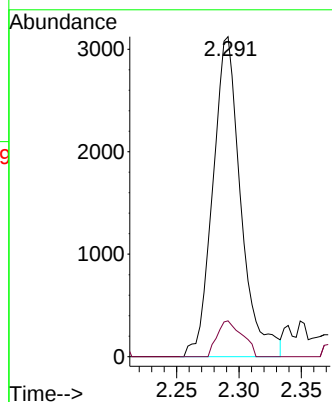
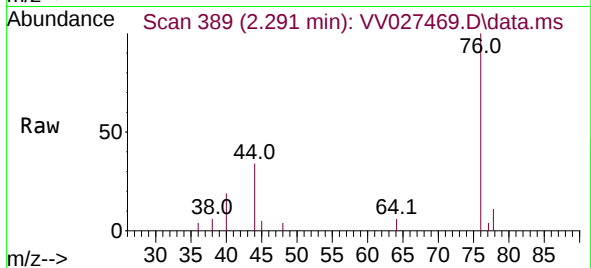




#14
Carbon disulfide
Concen: 0.205 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV027469.D
Acq: 22 Aug 2022 15:46

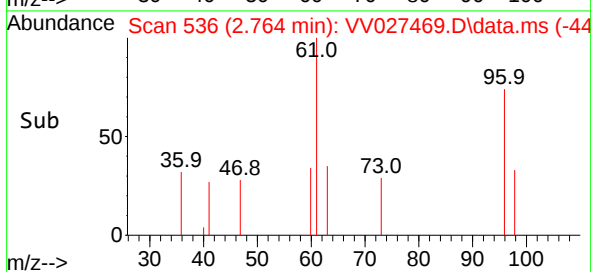
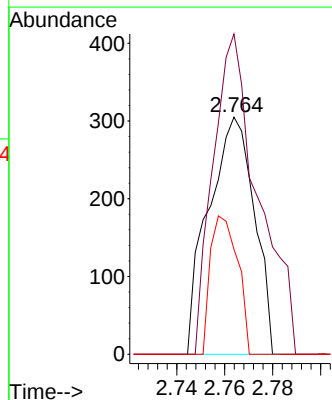
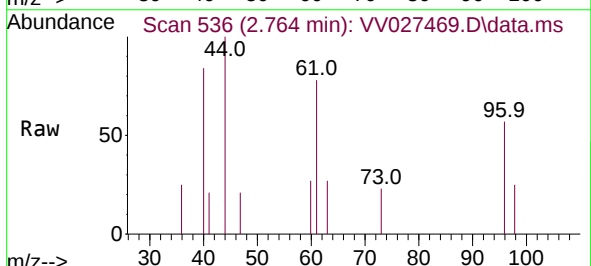
Instrument :
MSVOA_V
ClientSampleId :

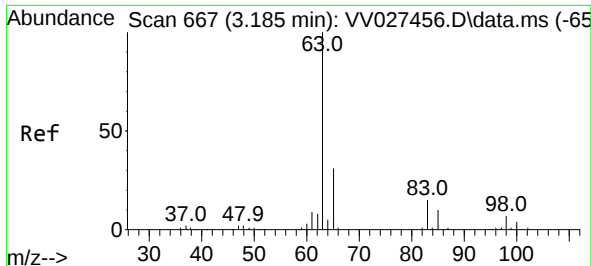
Tgt Ion: 76 Resp: 4884
Ion Ratio Lower Upper
76 100
78 11.2 7.3 10.9#



#18
trans-1,2-Dichloroethene
Concen: 0.045 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV027469.D
Acq: 22 Aug 2022 15:46

Tgt Ion: 96 Resp: 405
Ion Ratio Lower Upper
96 100
61 135.1 97.6 181.4
98 44.3 45.9 85.3#





#19

1,1-Dichloroethane

Concen: 0.113 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

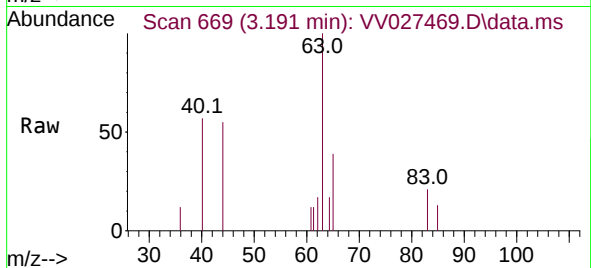
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Acq: 22 Aug 2022 15:46

Instrument :

MSVOA_V

ClientSampleId :



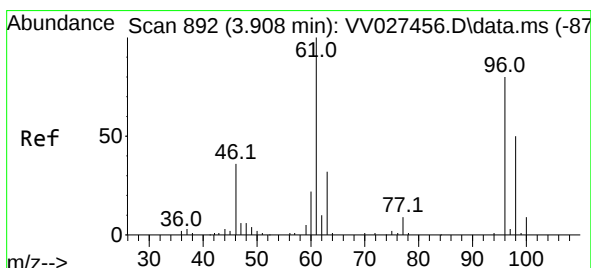
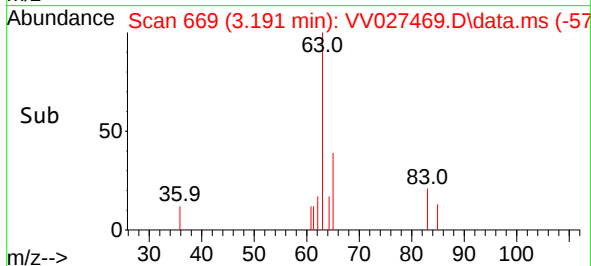
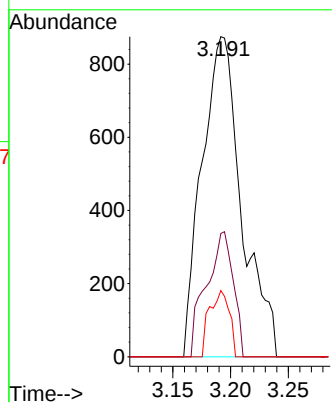
Tgt Ion: 63 Resp: 2093

Ion Ratio Lower Upper

63 100

65 38.5 22.1 41.1

83 20.7 9.6 17.8#



#22

cis-1,2-Dichloroethene

Concen: 0.176 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV027469.D

Acq: 22 Aug 2022 15:46

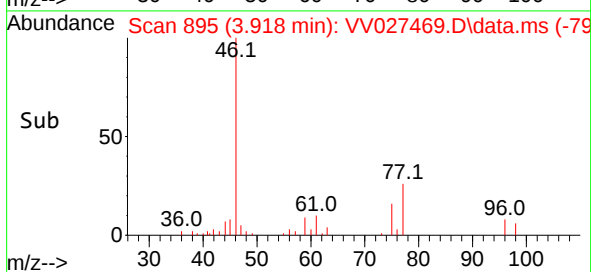
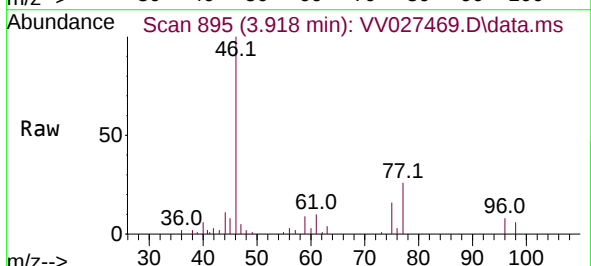
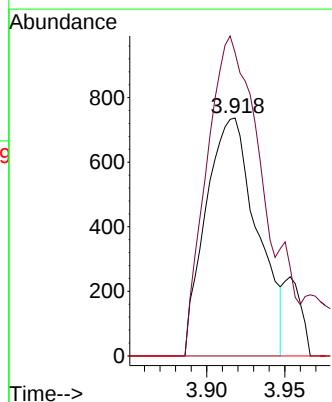
Tgt Ion: 96 Resp: 1680

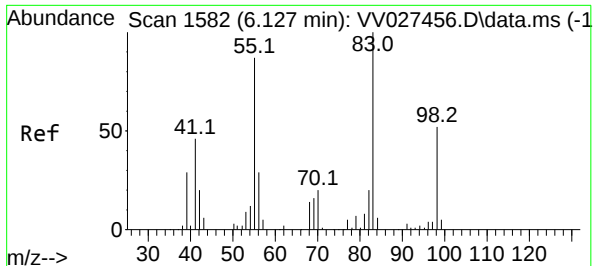
Ion Ratio Lower Upper

96 100

61 127.4 90.6 168.2

68 0.0 0.0 0.0





#35

Methylcyclohexane

Concen: 0.791 ug/L

RT: 6.069 min Scan# 11038

Delta R.T. -0.058 min

Lab File: VV027469.D

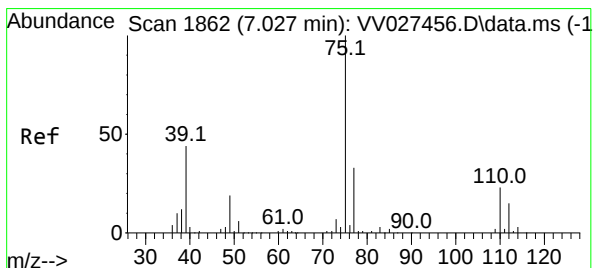
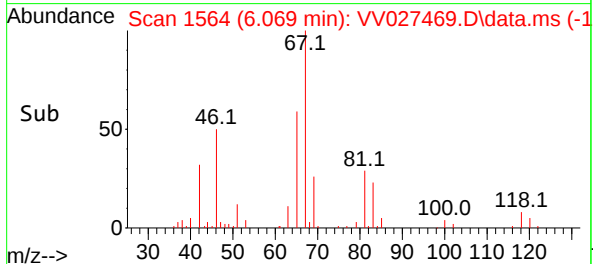
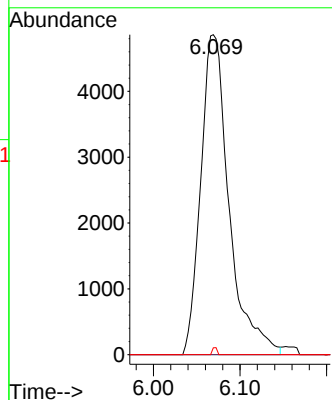
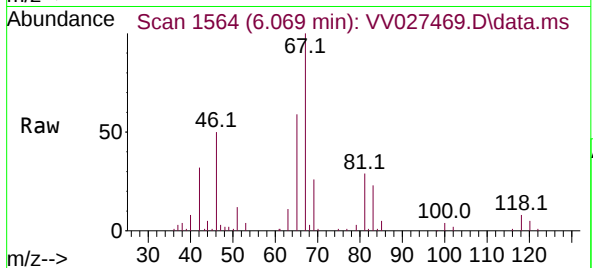
Acq: 22 Aug 2022 15:46

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 11038
Ion Ratio	Lower Upper
83 100	
55 0.0	68.2 102.4#
98 0.4	39.0 58.4#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

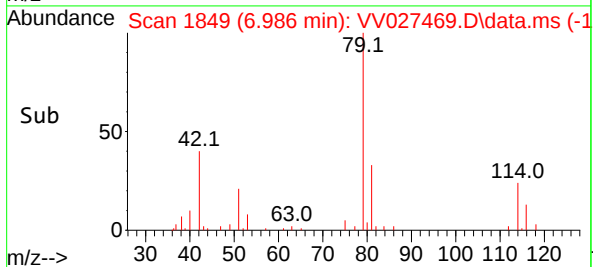
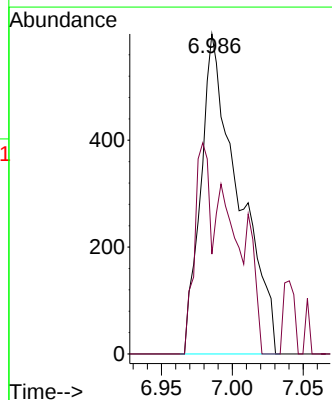
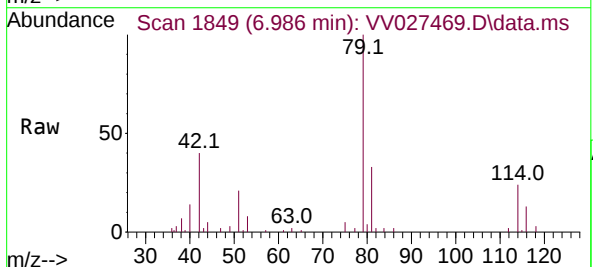
RT: 6.986 min Scan# 1849

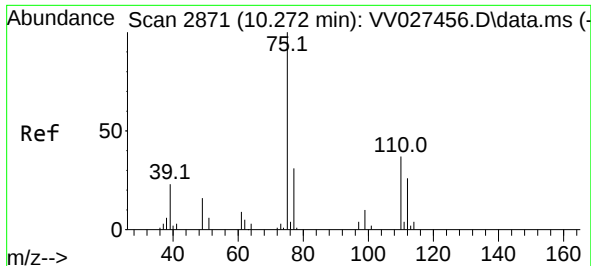
Delta R.T. -0.042 min

Lab File: VV027469.D

Acq: 22 Aug 2022 15:46

Tgt Ion: 75	Resp: 1106
Ion Ratio	Lower Upper
75 100	
77 31.2	22.9 42.5





#61

1,2,3-Trichloropropane

Concen: 1.260 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV027469.D

Acq: 22 Aug 2022 15:46

Instrument :

MSVOA_V

ClientSampleId :

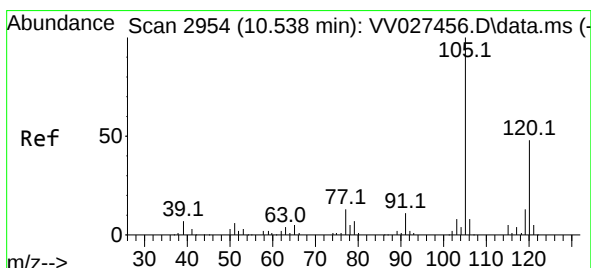
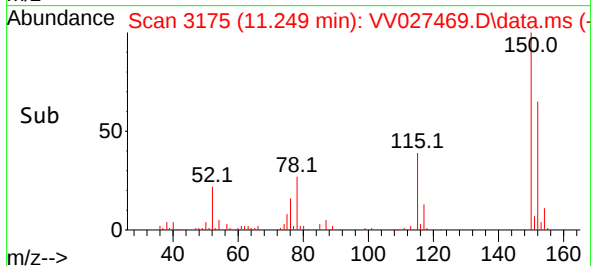
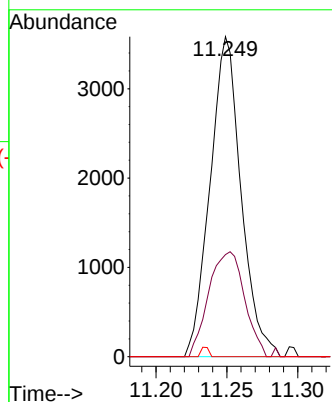
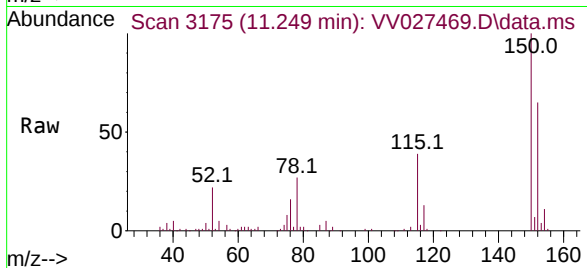
Tgt Ion: 75 Resp: 5448

Ion Ratio Lower Upper

75 100

77 37.9 26.2 39.2

110 0.7 29.9 44.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.050 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.383 min

Lab File: VV027469.D

Acq: 22 Aug 2022 15:46

Tgt Ion: 105 Resp: 450

Ion Ratio Lower Upper

105 100

120 44.2 38.7 58.1

