

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112222\
 Data File : VW029283.D
 Acq On : 22 Nov 2022 23:49
 Operator : SY/MD
 Sample : N5651-08DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 04:47:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 23 01:46:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	286981	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	255135	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	116234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88411	3.230	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.600%
7) Chloroethane-d5	1.564	69	79312	3.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.000%
11) 1,1-Dichloroethene-d2	2.105	63	113883	2.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.800%#
20) 2-Butanone-d5	3.892	46	219181	54.241	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.480%
24) Chloroform-d	4.339	84	157479	4.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	5.024	65	79763	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.043	84	309028	3.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.063	67	108786	4.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.310	98	250079	3.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.800%#
43) trans-1,3-Dichloroprop...	7.616	79	31942	3.650	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.085	63	88162	56.198	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.400%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63509	4.861	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	89465	3.990	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	3216	0.134	ug/L	96
3) Chloromethane	1.240	50	1223	0.037	ug/L #	82
9) Trichlorofluoromethane	1.751	101	384134	10.638	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	7325	0.342	ug/L	87
12) 1,1-Dichloroethene	2.114	96	5269	0.249	ug/L #	1
16) Methylene chloride	2.503	84	19045	0.571	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	27445	0.590	ug/L	97
19) 1,1-Dichloroethane	3.185	63	35151	0.811	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	3974	0.169	ug/L	72
25) Chloroform	4.368	83	7011	0.170	ug/L	89
29) 1,1,1-Trichloroethane	4.600	97	2260	0.067	ug/L #	73
34) Trichloroethene	5.908	95	35180	1.439	ug/L	96
35) Methylcyclohexane	6.063	83	23827	0.603	ug/L #	17
37) 1,2-Dichloropropane	6.059	63	11320	0.470	ug/L #	88
47) Tetrachloroethene	7.969	164	3910	0.244	ug/L	94
49) Dibromochloromethane	7.969	129	3497	0.234	ug/L #	10
57) 1,1,2,2-Tetrachloroethane	10.217	83	1064	0.083	ug/L #	65
61) 1,2,3-Trichloropropane	11.236	75	16717	1.503	ug/L #	68

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112222\
Data File : VV029283.D
Acq On : 22 Nov 2022 23:49
Operator : SY/MD
Sample : N5651-08DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 23 04:47:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112222WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 23 01:46:18 2022
Response via : Initial Calibration

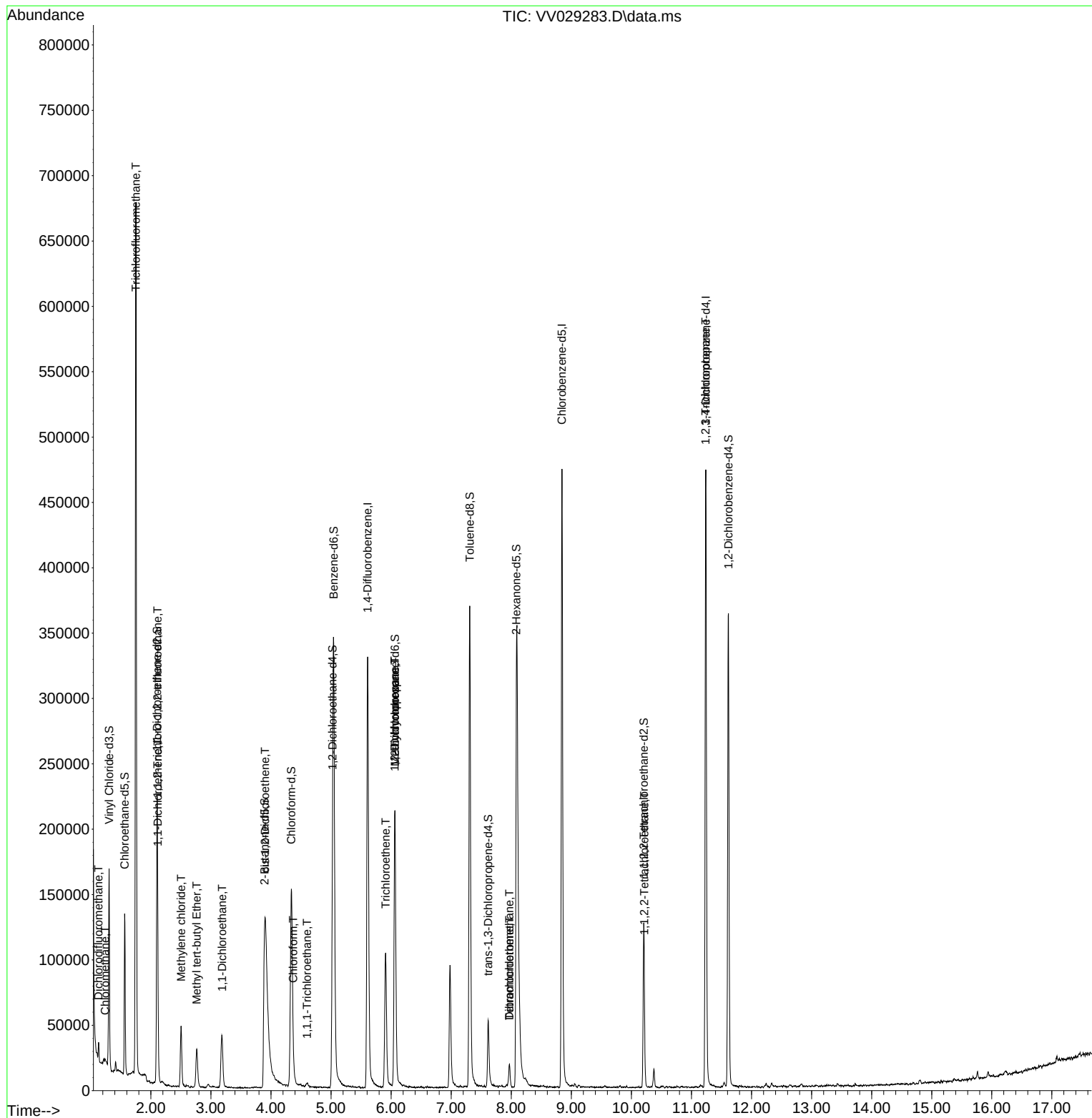
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

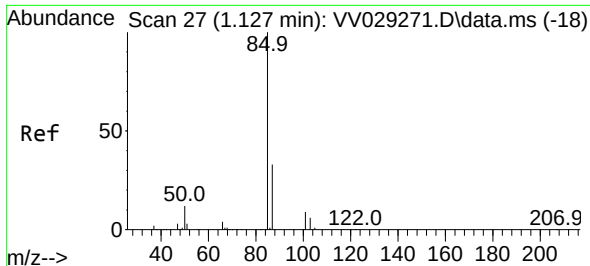
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112222\
Data File : VV029283.D
Acq On : 22 Nov 2022 23:49
Operator : SY/MD
Sample : N5651-08DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 23 04:47:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112222WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 23 01:46:18 2022
Response via : Initial Calibration

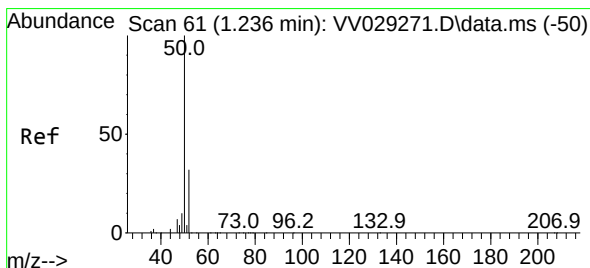
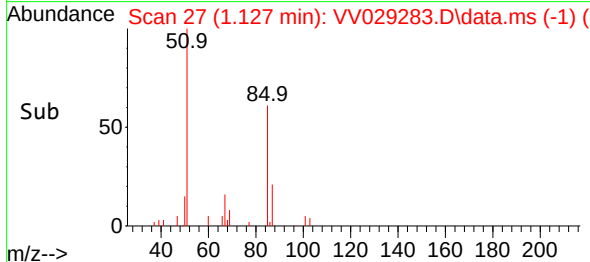
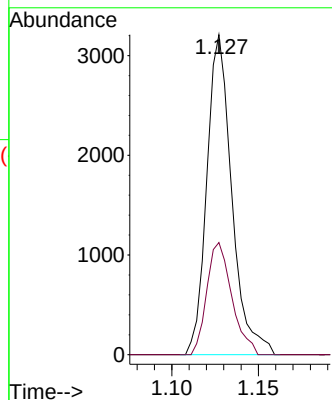
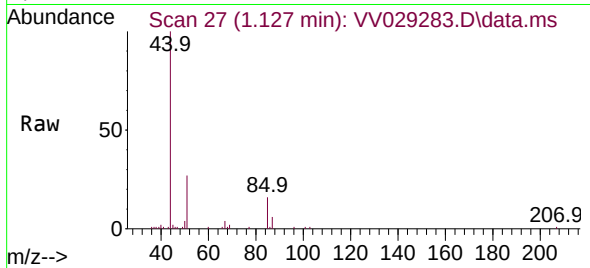




#2
Dichlorodifluoromethane
Concen: 0.134 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029283.D
Acq: 22 Nov 2022 23:49

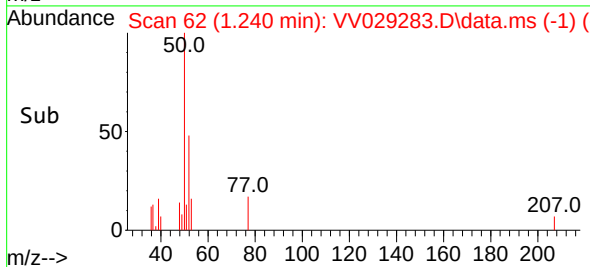
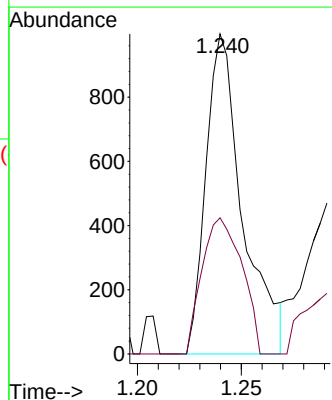
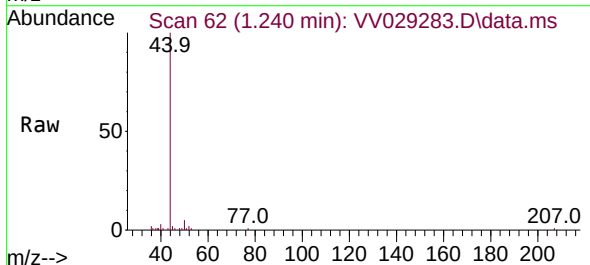
Instrument :
MSVOA_V
ClientSampleId :

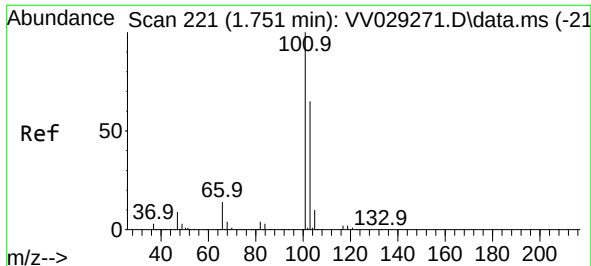
Tgt Ion: 85 Resp: 3216
Ion Ratio Lower Upper
85 100
87 35.1 26.3 39.5



#3
Chloromethane
Concen: 0.037 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV029283.D
Acq: 22 Nov 2022 23:49

Tgt Ion: 50 Resp: 1223
Ion Ratio Lower Upper
50 100
52 42.5 22.8 42.4#

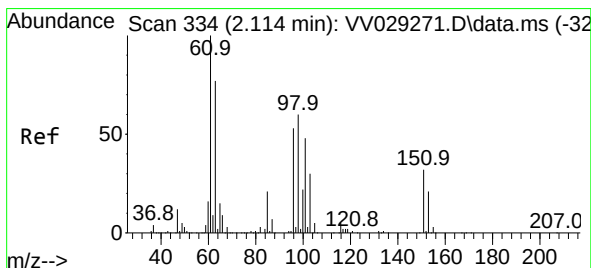
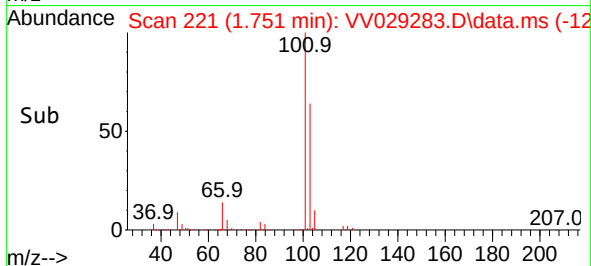
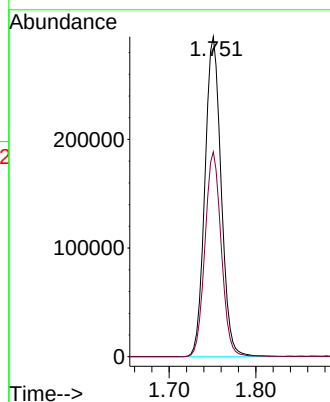
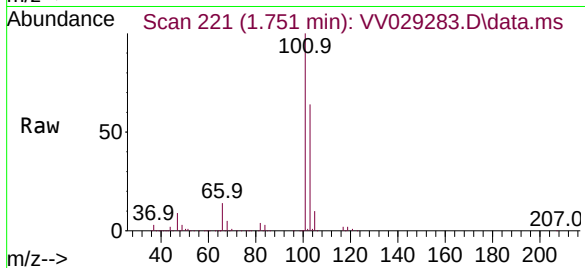




#9
 Trichlorofluoromethane
 Concen: 10.638 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029283.D
 Acq: 22 Nov 2022 23:49

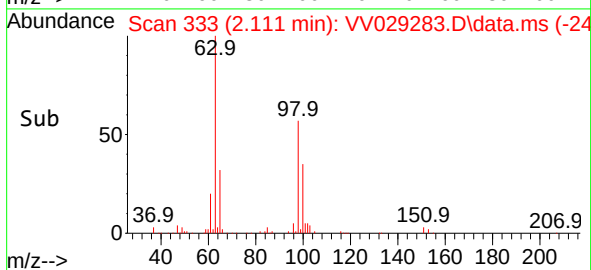
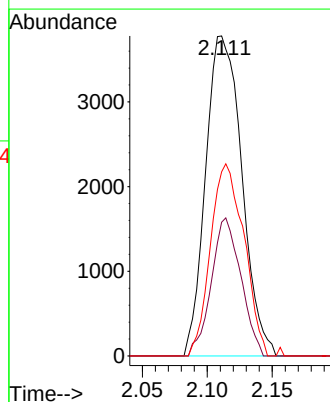
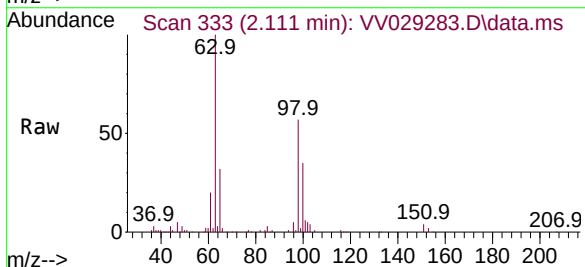
Instrument :
 MSVOA_V
 ClientSampleId :

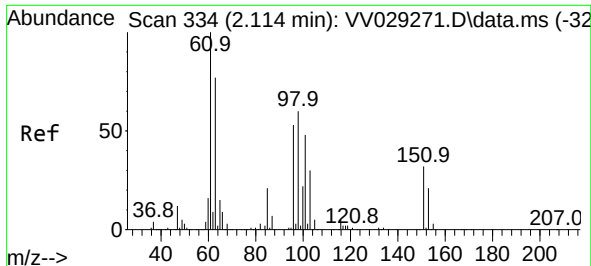
Tgt Ion:101 Resp: 384134
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.7 77.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.342 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.003 min
 Lab File: VV029283.D
 Acq: 22 Nov 2022 23:49

Tgt Ion:101 Resp: 7325
 Ion Ratio Lower Upper
 101 100
 85 35.2 34.7 52.1
 151 55.6 53.4 80.2

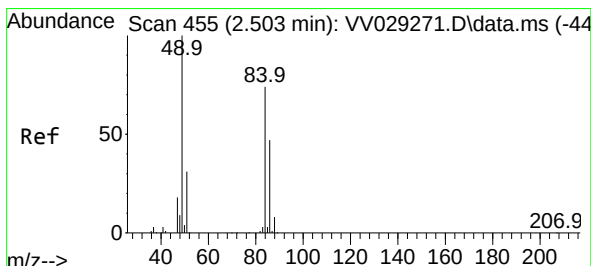
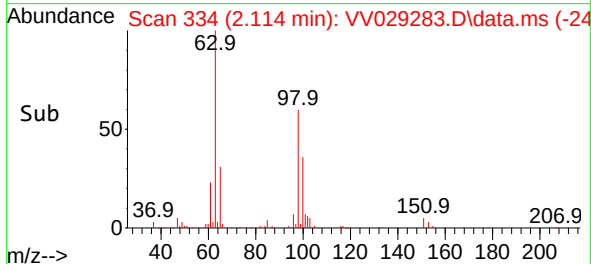
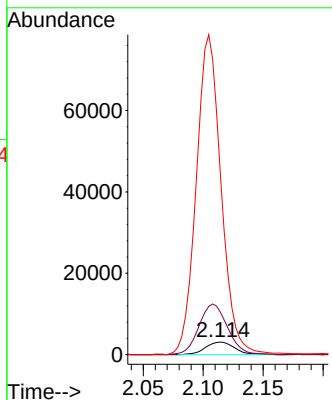
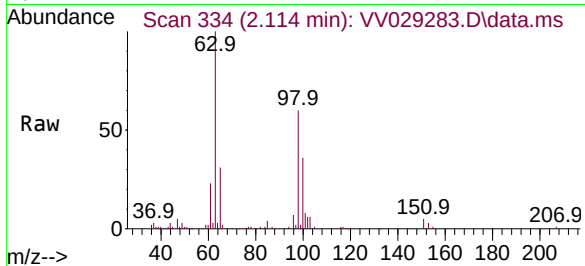




#12
1,1-Dichloroethene
Concen: 0.249 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029283.D
Acq: 22 Nov 2022 23:49

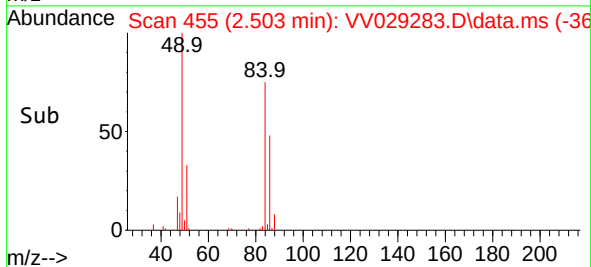
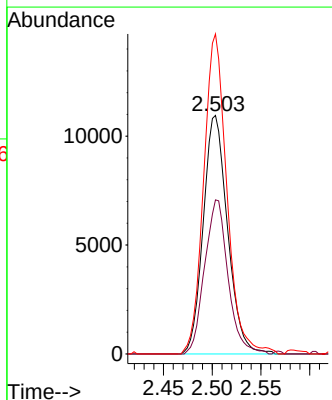
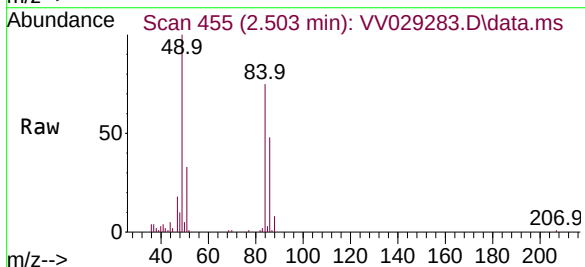
Instrument :
MSVOA_V
ClientSampleId :

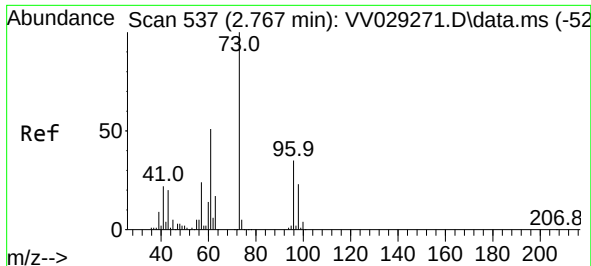
Tgt Ion: 96 Resp: 5269
Ion Ratio Lower Upper
96 100
61 336.3 131.9 245.0#
63 1433.0 98.6 183.0#



#16
Methylene chloride
Concen: 0.571 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029283.D
Acq: 22 Nov 2022 23:49

Tgt Ion: 84 Resp: 19045
Ion Ratio Lower Upper
84 100
86 64.6 44.2 82.2
49 134.1 91.9 170.7





#17

Methyl tert-butyl Ether

Concen: 0.590 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.003 min

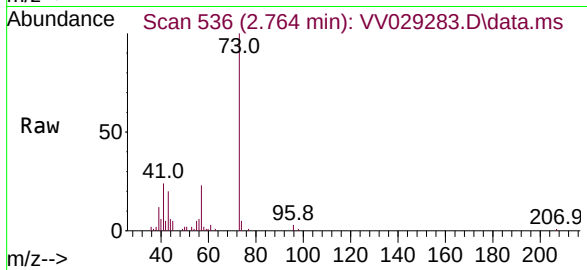
Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :



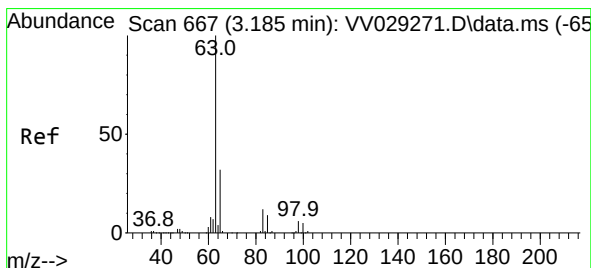
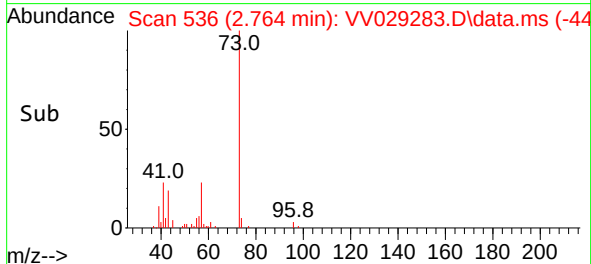
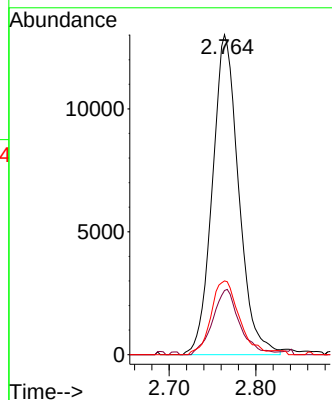
Tgt Ion: 73 Resp: 27445

Ion Ratio Lower Upper

73 100

43 20.9 15.4 23.2

57 24.5 18.9 28.3



#19

1,1-Dichloroethane

Concen: 0.811 ug/L

RT: 3.185 min Scan# 667

Delta R.T. 0.000 min

Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

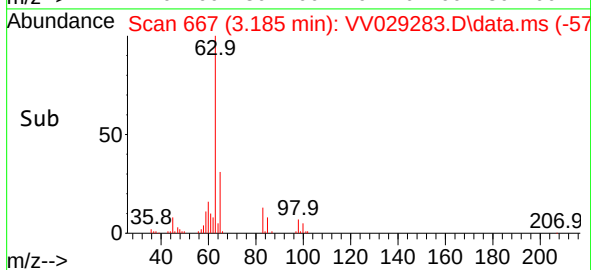
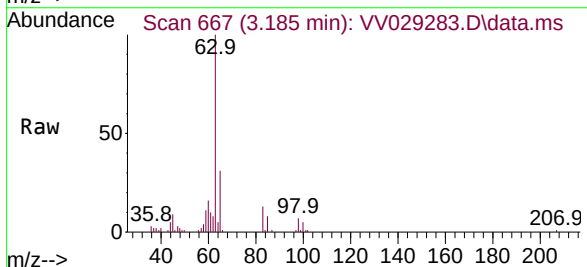
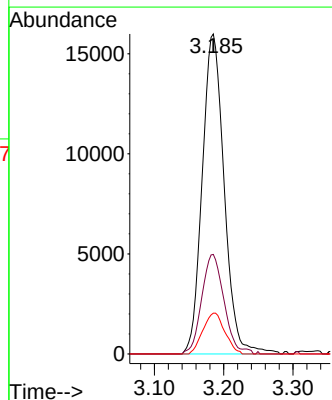
Tgt Ion: 63 Resp: 35151

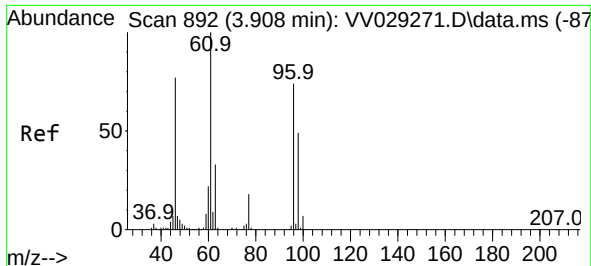
Ion Ratio Lower Upper

63 100

65 31.1 22.1 41.1

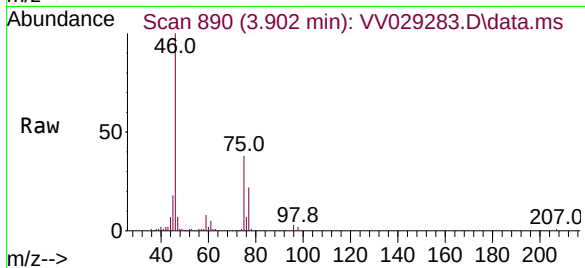
83 12.7 9.0 16.8



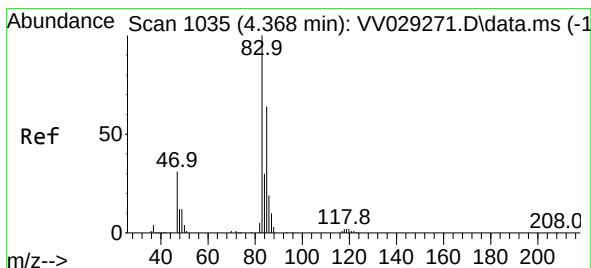
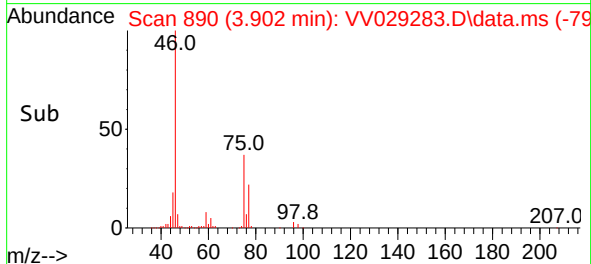
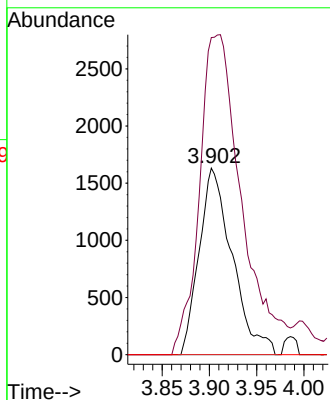


#22
 cis-1,2-Dichloroethene
 Concen: 0.169 ug/L
 RT: 3.902 min Scan# 892
 Delta R.T. -0.006 min
 Lab File: VV029283.D
 Acq: 22 Nov 2022 23:49

Instrument :
 MSVOA_V
 ClientSampleId :

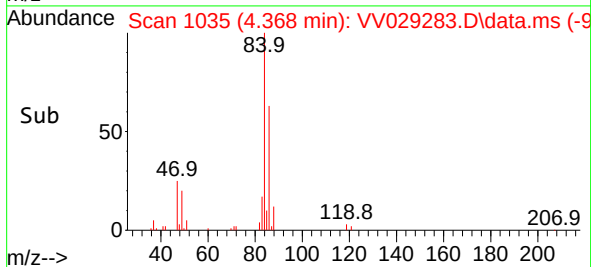
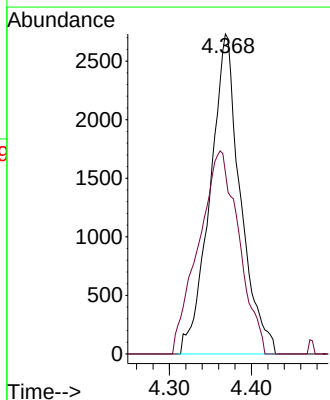
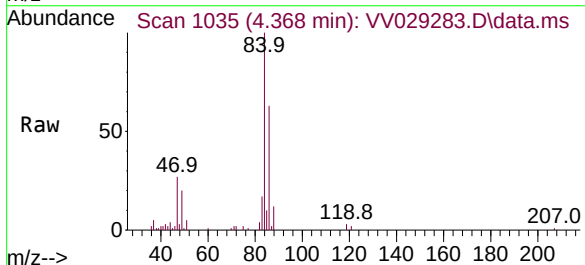


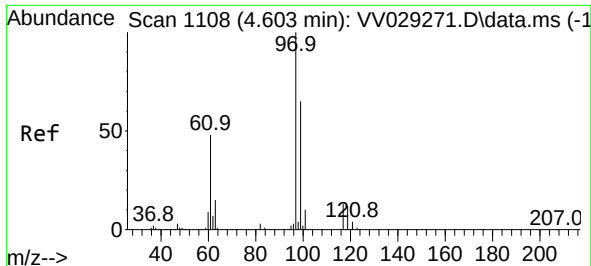
Tgt Ion: 96 Resp: 3974
 Ion Ratio Lower Upper
 96 100
 61 170.0 95.8 178.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.170 ug/L
 RT: 4.368 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VV029283.D
 Acq: 22 Nov 2022 23:49

Tgt Ion: 83 Resp: 7011
 Ion Ratio Lower Upper
 83 100
 85 56.7 45.6 84.6





#29

1,1,1-Trichloroethane

Concen: 0.067 ug/L

RT: 4.600 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029283.D

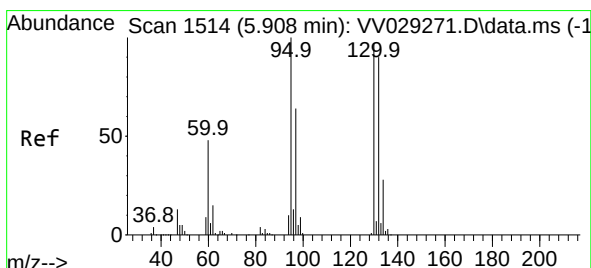
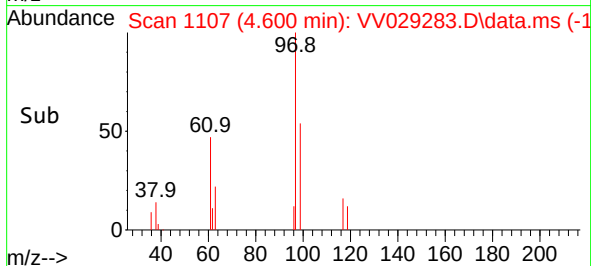
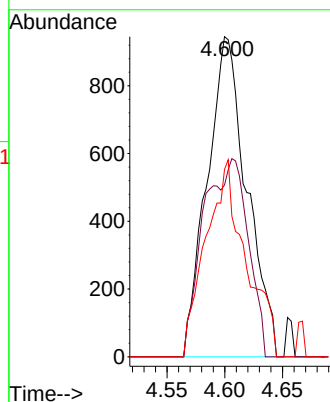
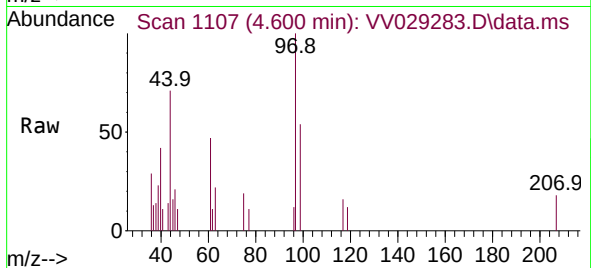
Acq: 22 Nov 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	2260
Ion	Ratio	Lower	Upper
97	100		
99	37.9	51.1	76.7#
61	61.5	39.0	58.4#



#34

Trichloroethene

Concen: 1.439 ug/L

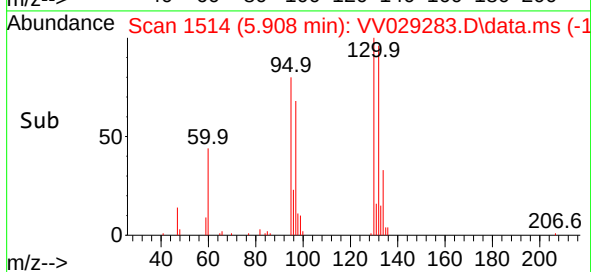
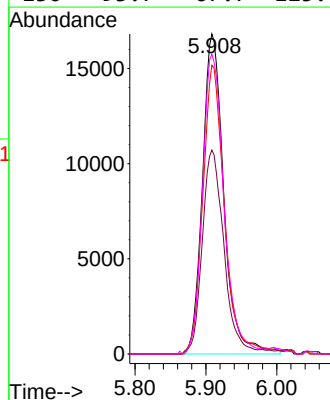
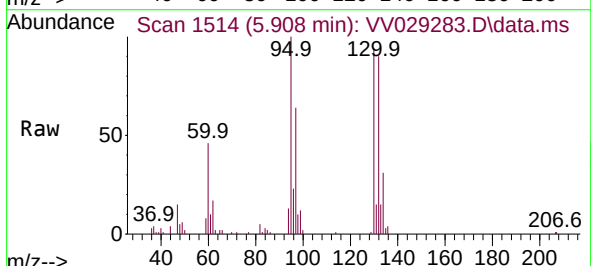
RT: 5.908 min Scan# 1514

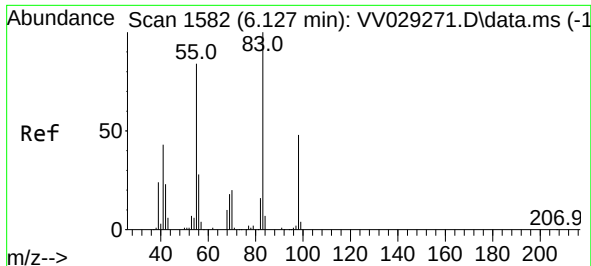
Delta R.T. 0.000 min

Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

Tgt Ion:	95	Resp:	35180
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.7	86.7
132	90.2	65.7	122.1
130	93.7	67.7	125.7





#35

Methylcyclohexane

Concen: 0.603 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.064 min

Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :

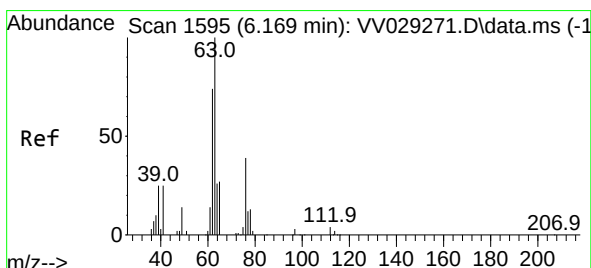
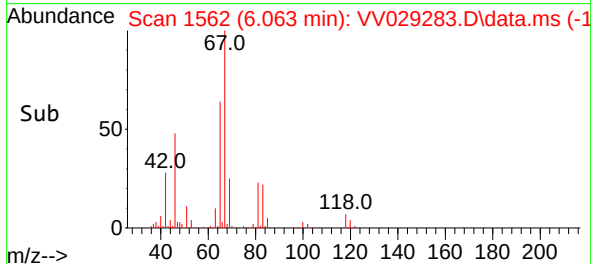
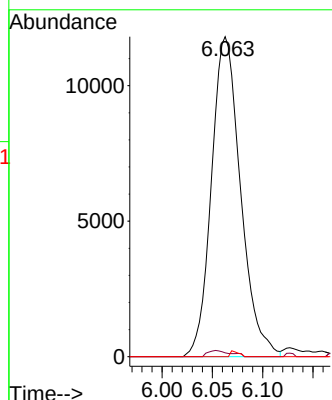
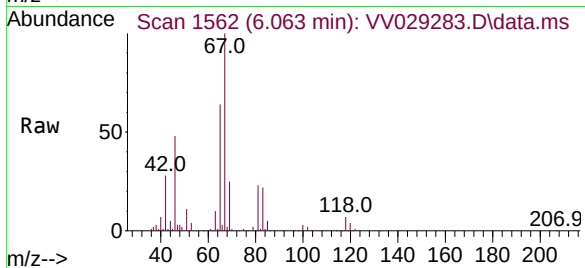
Tgt Ion: 83 Resp: 23827

Ion Ratio Lower Upper

83 100

55 1.5 65.7 98.5#

98 0.5 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 0.470 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.109 min

Lab File: VV029283.D

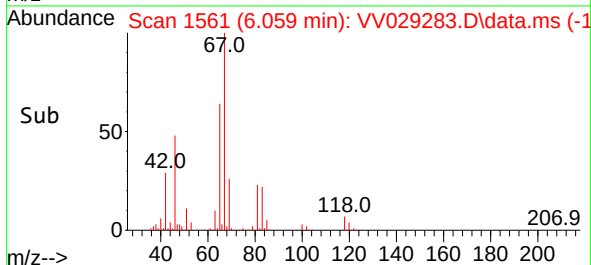
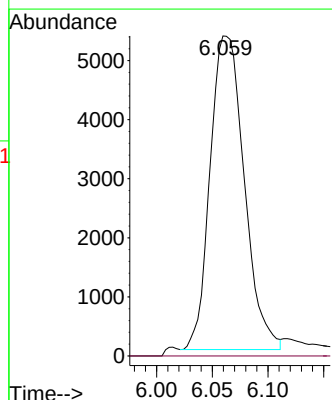
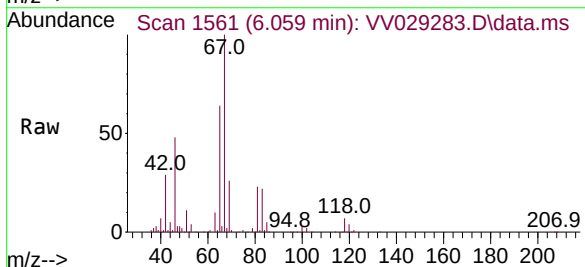
Acq: 22 Nov 2022 23:49

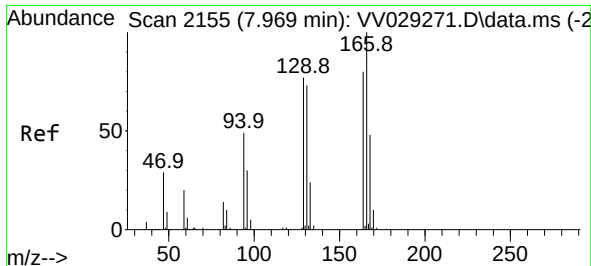
Tgt Ion: 63 Resp: 11320

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 0.244 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

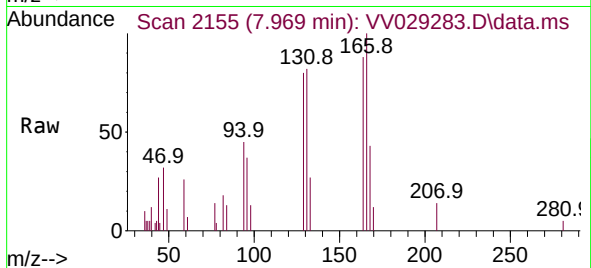
Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 3910

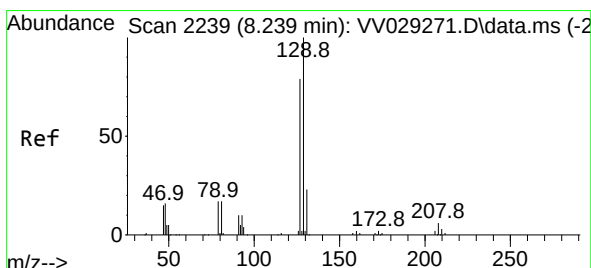
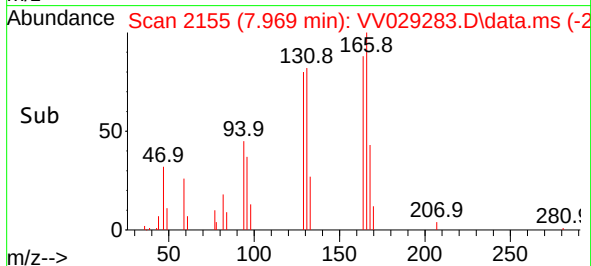
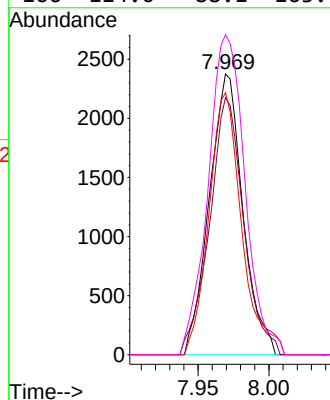
Ion Ratio Lower Upper

164 100

129 91.6 68.3 126.8

131 93.3 65.2 121.0

166 114.0 88.1 163.7



#49

Dibromochloromethane

Concen: 0.234 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV029283.D

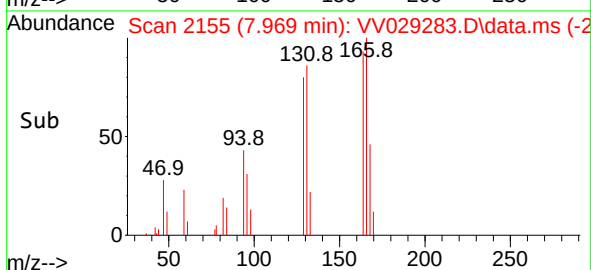
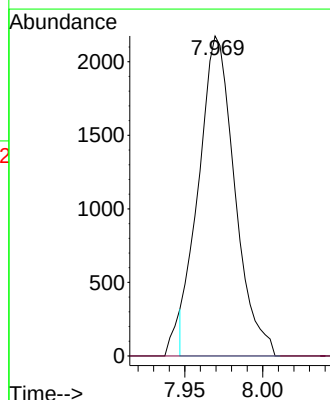
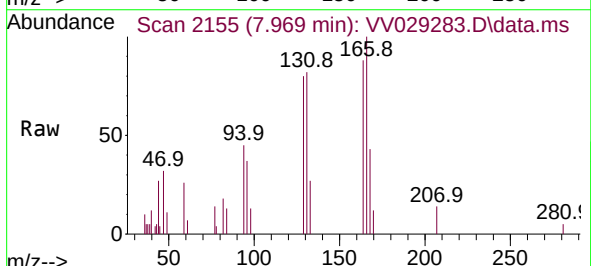
Acq: 22 Nov 2022 23:49

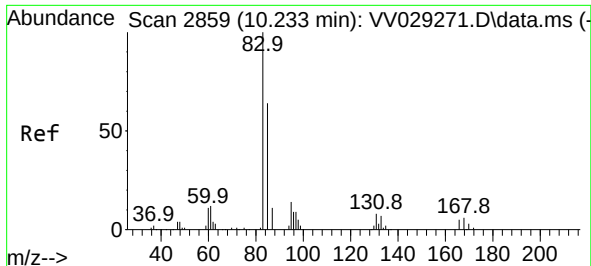
Tgt Ion:129 Resp: 3497

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.083 ug/L

RT: 10.217 min Scan# 21

Delta R.T. -0.016 min

Lab File: VV029283.D

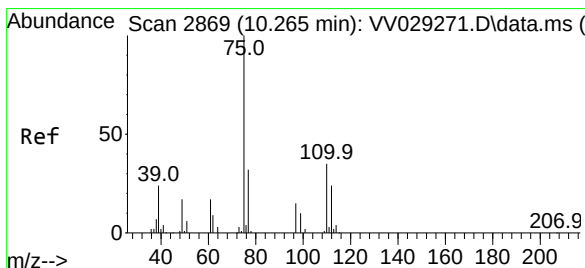
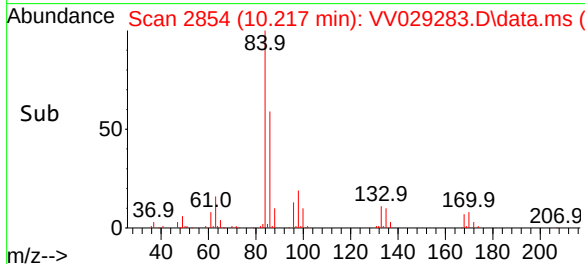
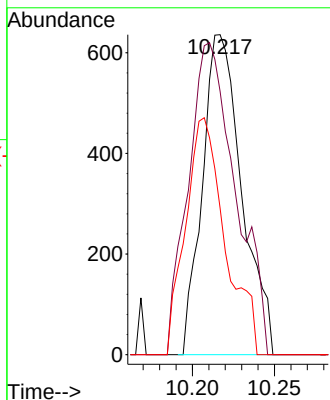
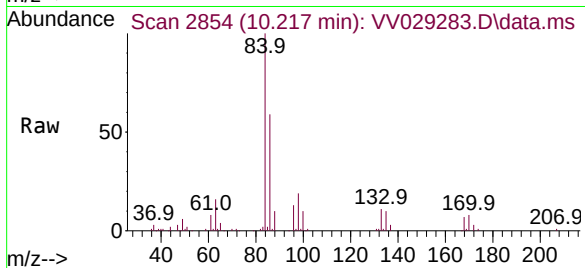
Acq: 22 Nov 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	1064
Ion	Ratio	Lower	Upper
83	100		
85	82.2	43.9	81.5#
131	45.8	6.9	10.3#



#61

1,2,3-Trichloropropane

Concen: 1.503 ug/L

RT: 11.236 min Scan# 3171

Delta R.T. 0.971 min

Lab File: VV029283.D

Acq: 22 Nov 2022 23:49

Tgt Ion:	75	Resp:	16717
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
110	2.3	29.6	44.4#

