

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028615.D
 Acq On : 18 Oct 2022 15:07
 Operator : SY/MD
 Sample : N5173-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:39:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	174891	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	163331	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	73343	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	64080	4.257	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.558	69	61539	4.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.095	63	90523	3.321	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	3.947	46	49395	15.265	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	30.540%#
24) Chloroform-d	4.342	84	109792	4.764	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.031	65	58537	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.043	84	217920	4.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.066	67	76568	4.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.310	98	177386	4.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	7.622	79	21228	3.692	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.092	63	119757	48.259	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.520%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	49056	4.840	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	60057	4.962	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	49854	5.047	ug/L	99
3) Chloromethane	1.236	50	9692	0.586	ug/L	91
5) Vinyl chloride	1.301	62	761	0.047	ug/L #	1
9) Trichlorofluoromethane	1.741	101	6196	0.315	ug/L	85
12) 1,1-Dichloroethene	2.108	96	5099	0.469	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	18172	0.658	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	8753	0.772	ug/L	91
19) 1,1-Dichloroethane	3.188	63	4068	0.159	ug/L #	88
22) cis-1,2-Dichloroethene	3.905	96	32581	2.541	ug/L #	91
25) Chloroform	4.368	83	9727	0.402	ug/L	94
27) 1,2-Dichloroethane	5.143	62	1106	0.077	ug/L #	79
31) Carbon tetrachloride	4.818	117	1055	0.059	ug/L #	62
33) Benzene	5.108	78	2665	0.046	ug/L	100
34) Trichloroethene	5.905	95	574167	41.655	ug/L	98
35) Methylcyclohexane	6.066	83	17637	0.769	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	8517	0.580	ug/L #	89
45) 1,1,2-Trichloroethane	7.966	97	5022	0.615	ug/L #	1
47) Tetrachloroethene	7.969	164	469285	52.307	ug/L	99
49) Dibromochloromethane	7.966	129	450583	51.741	ug/L #	11

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 19 00:35:12 2022
Response via : Initial Calibration

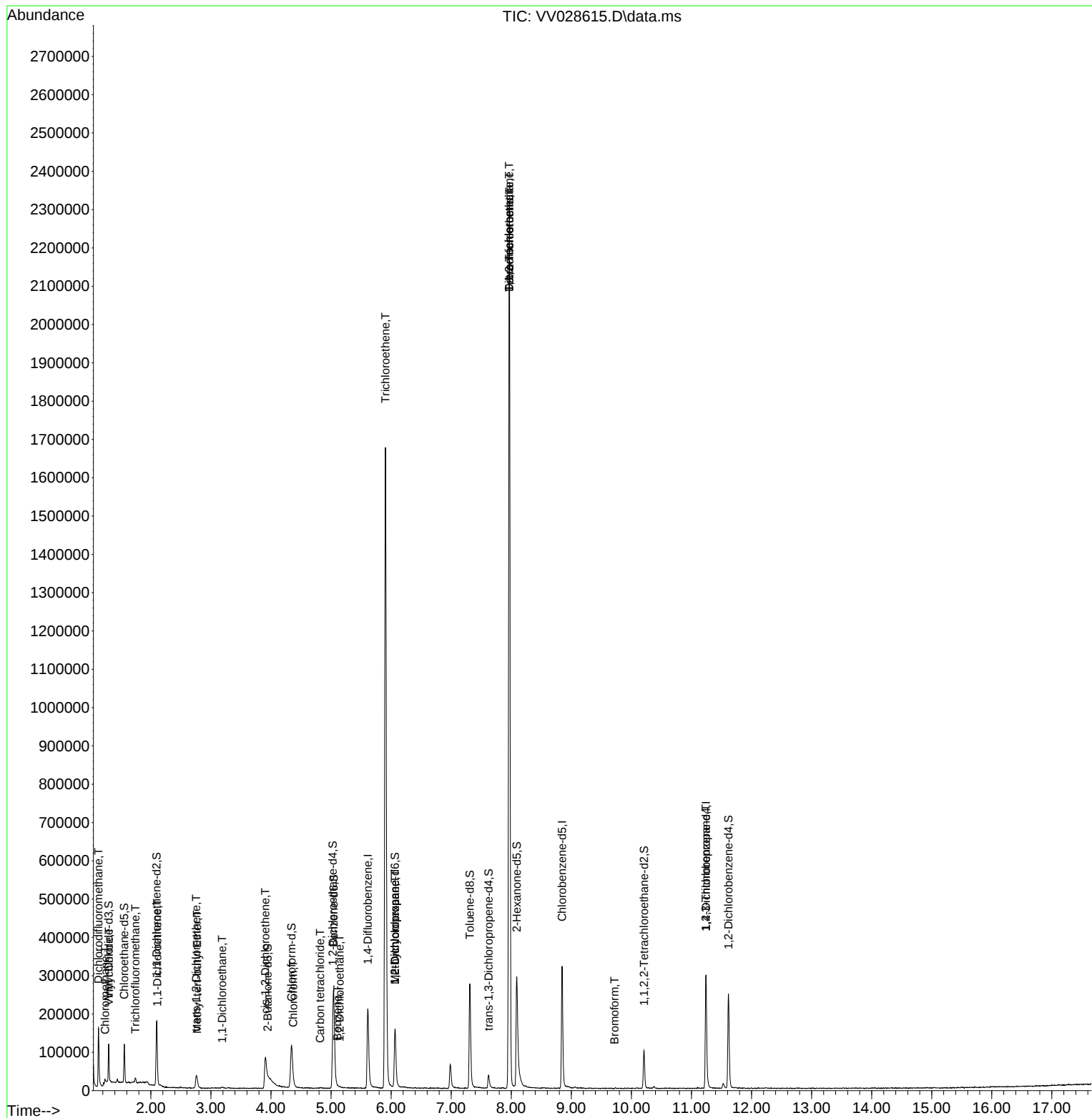
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Bromoform	9.718	173	283	0.077	ug/L #	55
61) 1,2,3-Trichloropropane	11.239	75	11950	1.824	ug/L #	70

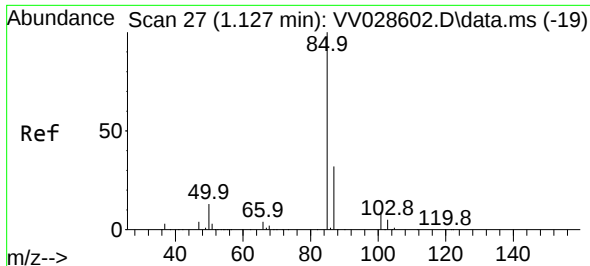
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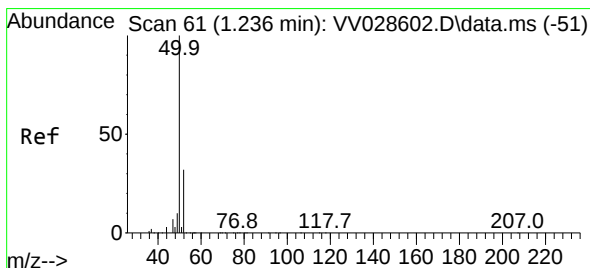
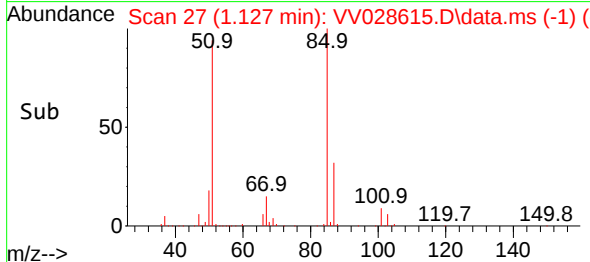
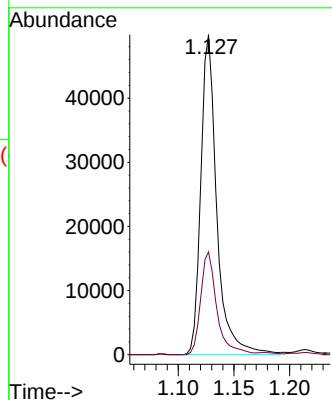
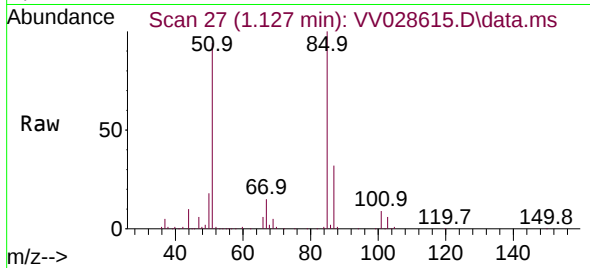




#2
 Dichlorodifluoromethane
 Concen: 5.047 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028615.D
 Acq: 18 Oct 2022 15:07

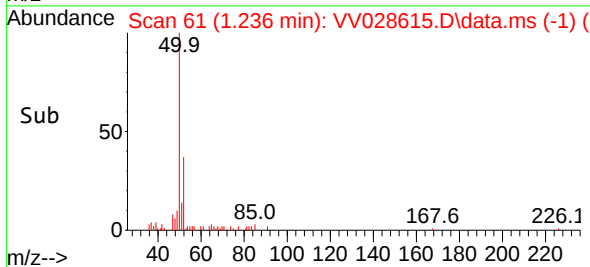
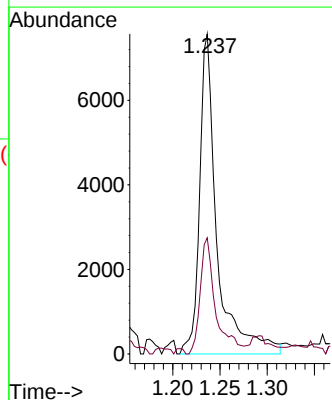
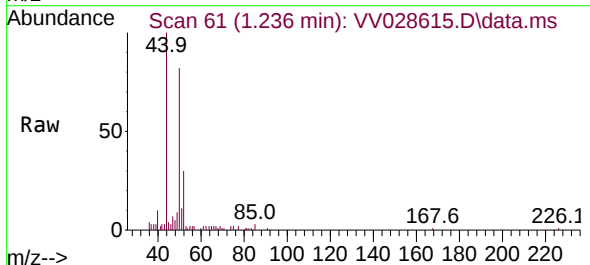
Instrument :
 MSVOA_V
 ClientSampleId :

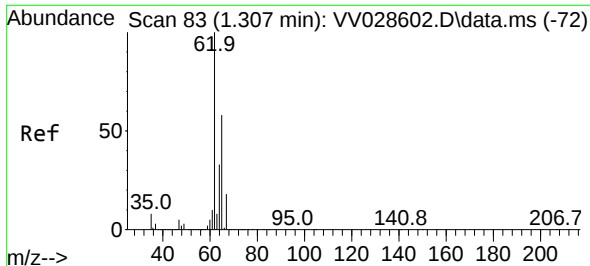
Tgt Ion: 85 Resp: 49854
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.4 38.2



#3
 Chloromethane
 Concen: 0.586 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV028615.D
 Acq: 18 Oct 2022 15:07

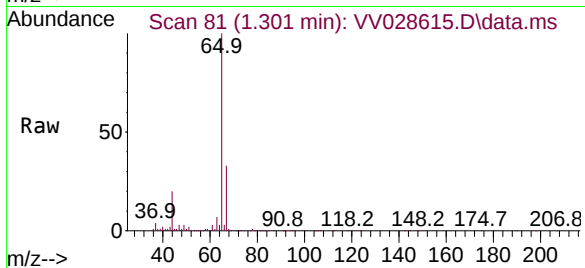
Tgt Ion: 50 Resp: 9692
 Ion Ratio Lower Upper
 50 100
 52 36.3 22.0 41.0



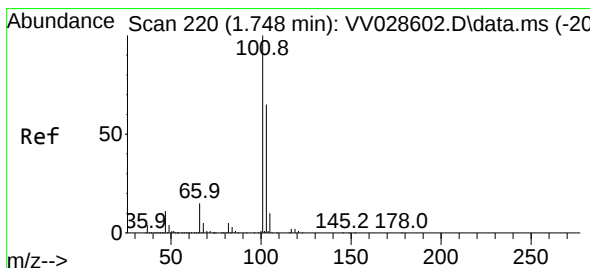
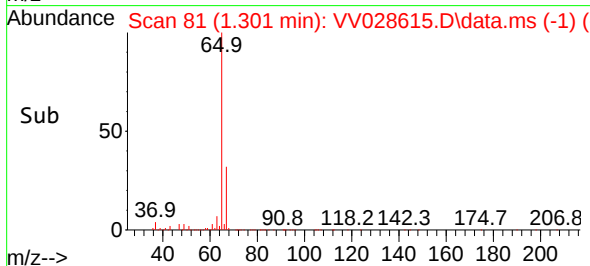
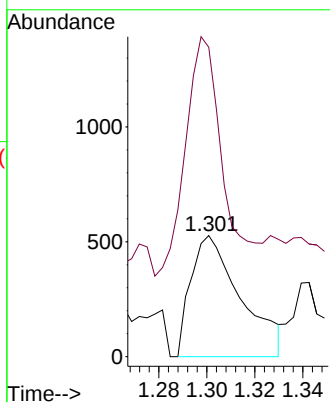


#5
 Vinyl chloride
 Concen: 0.047 ug/L
 RT: 1.301 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VV028615.D
 Acq: 18 Oct 2022 15:07

Instrument :
 MSVOA_V
 ClientSampleId :

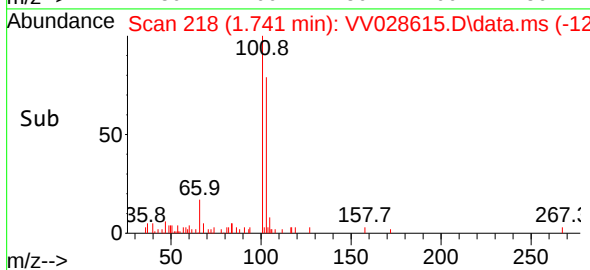
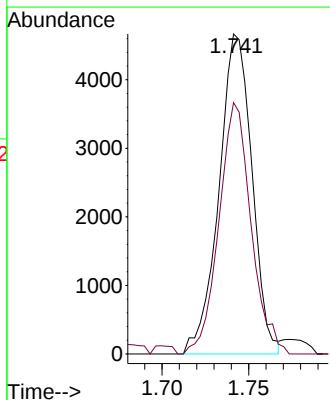
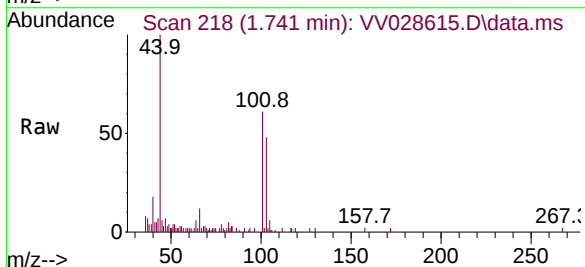


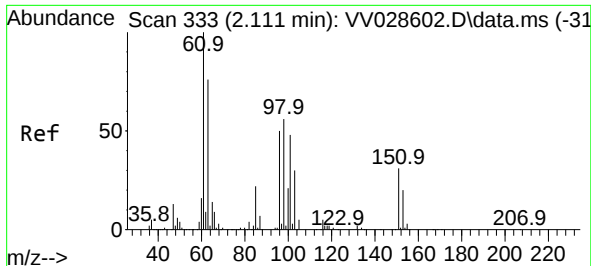
Tgt Ion: 62 Resp: 761
 Ion Ratio Lower Upper
 62 100
 64 255.6 23.7 44.1#



#9
 Trichlorofluoromethane
 Concen: 0.315 ug/L
 RT: 1.741 min Scan# 218
 Delta R.T. -0.006 min
 Lab File: VV028615.D
 Acq: 18 Oct 2022 15:07

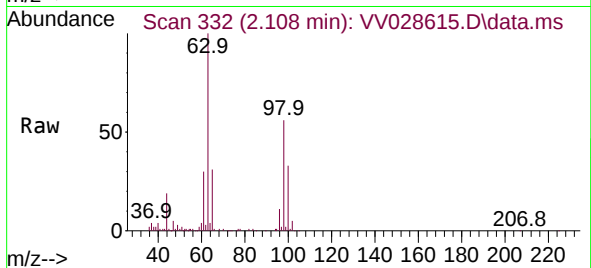
Tgt Ion: 101 Resp: 6196
 Ion Ratio Lower Upper
 101 100
 103 76.2 51.6 77.4



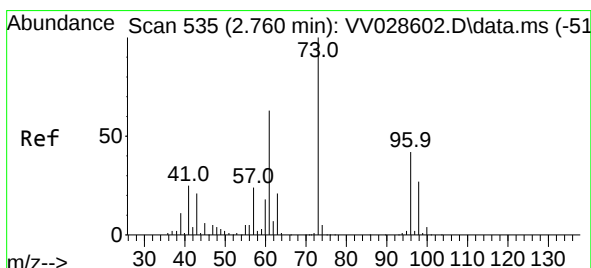
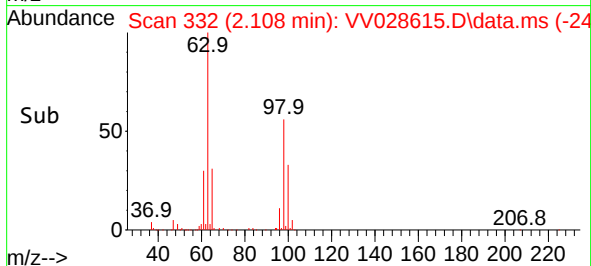
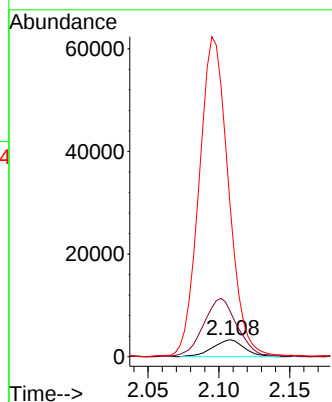


#12
1,1-Dichloroethene
Concen: 0.469 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Instrument :
MSVOA_V
ClientSampleId :

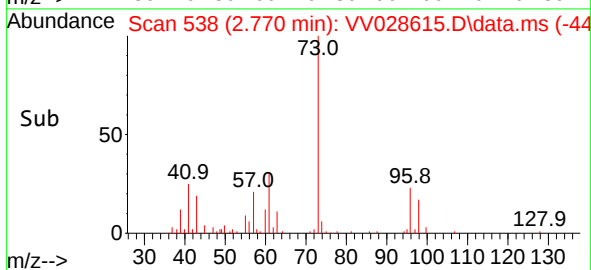
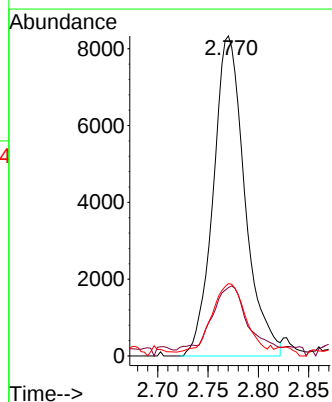
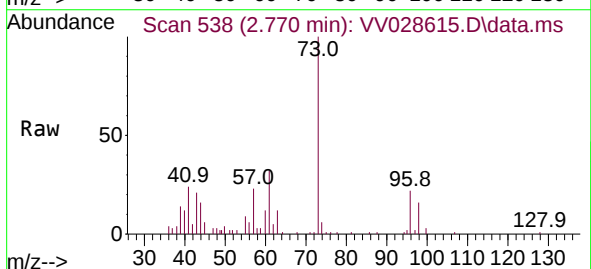


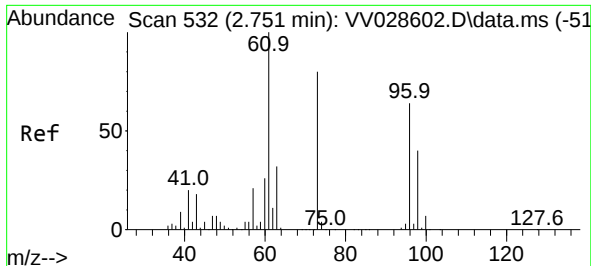
Tgt Ion: 96 Resp: 5099
Ion Ratio Lower Upper
96 100
61 270.1 142.9 265.5#
63 901.2 102.3 190.1#



#17
Methyl tert-butyl Ether
Concen: 0.658 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.010 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Tgt Ion: 73 Resp: 18172
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.2
57 25.2 19.5 29.3

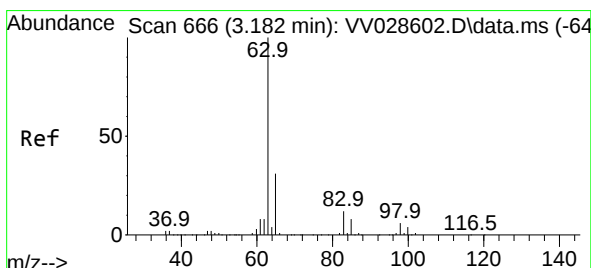
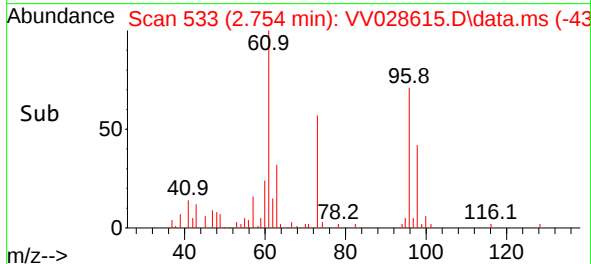
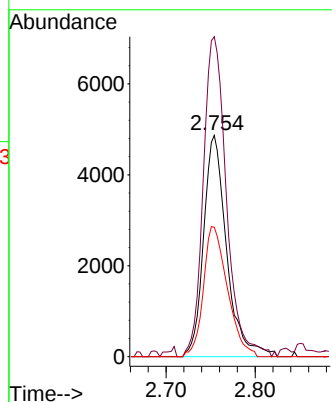
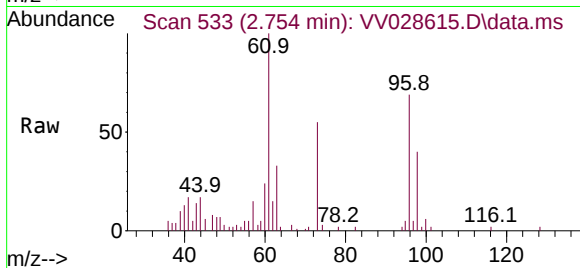




#18
trans-1,2-Dichloroethene
Concen: 0.772 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

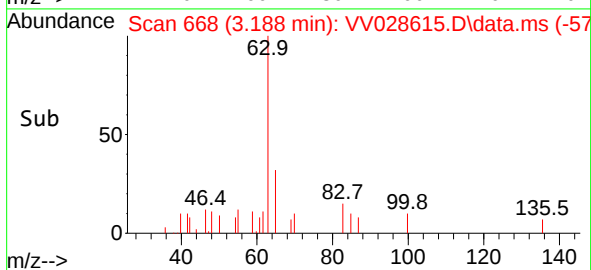
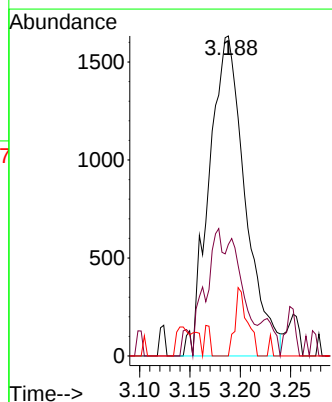
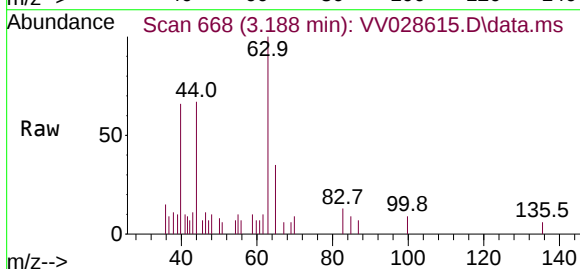
Instrument :
MSVOA_V
ClientSampleId :

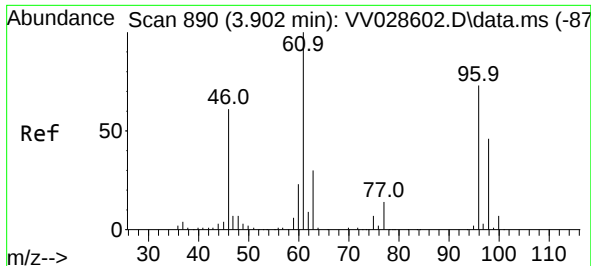
Tgt Ion: 96 Resp: 8753
Ion Ratio Lower Upper
96 100
61 144.6 111.2 206.6
98 58.5 42.9 79.7



#19
1,1-Dichloroethane
Concen: 0.159 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.007 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Tgt Ion: 63 Resp: 4068
Ion Ratio Lower Upper
63 100
65 34.8 22.3 41.5
83 0.0 8.5 15.7#





#22

cis-1,2-Dichloroethene

Concen: 2.541 ug/L

RT: 3.905 min Scan# 890

Delta R.T. 0.003 min

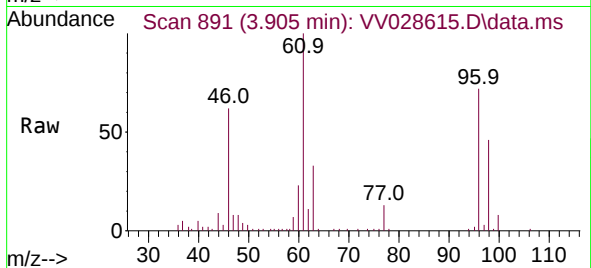
Lab File: VV028615.D

Acq: 18 Oct 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :



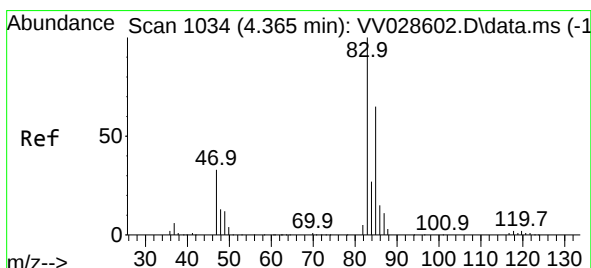
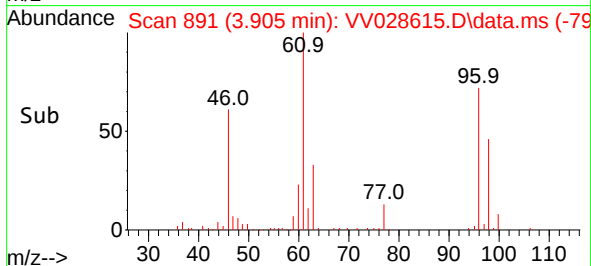
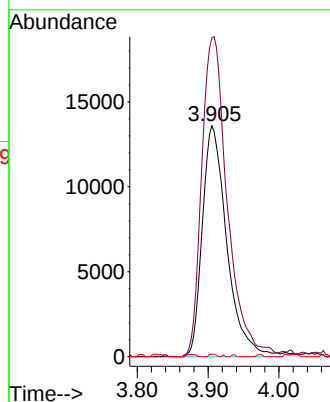
Tgt Ion: 96 Resp: 32581

Ion Ratio Lower Upper

96 100

61 138.2 105.1 195.3

68 1.1 0.5 0.9#



#25

Chloroform

Concen: 0.402 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV028615.D

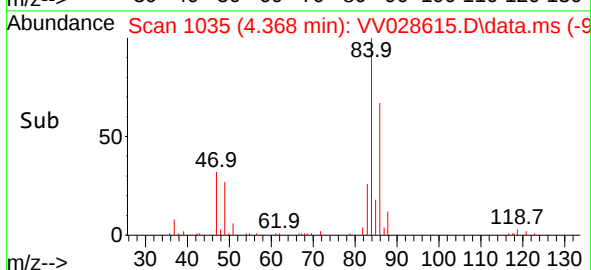
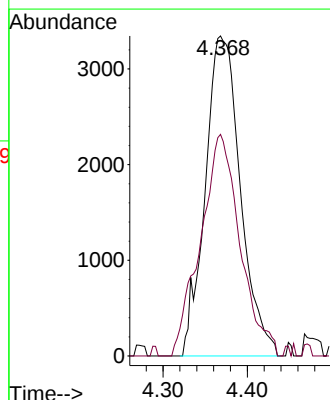
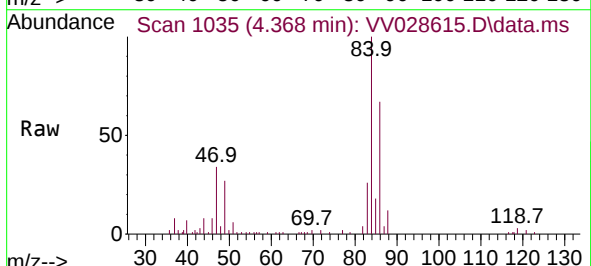
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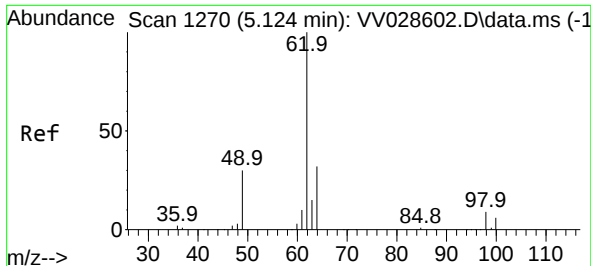
Tgt Ion: 83 Resp: 9727

Ion Ratio Lower Upper

83 100

85 69.3 45.1 83.9

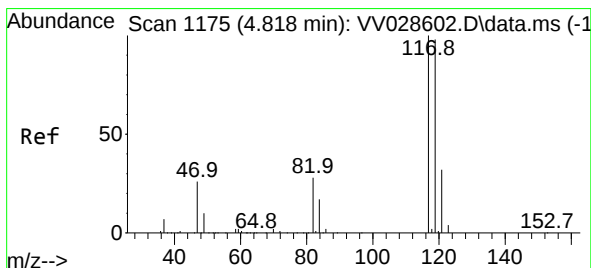
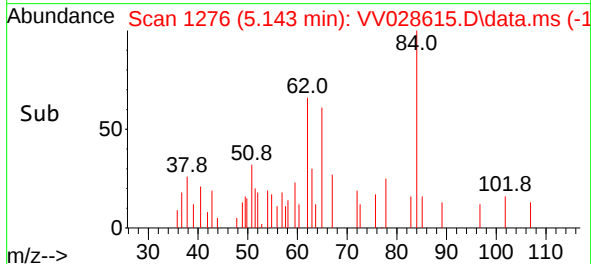
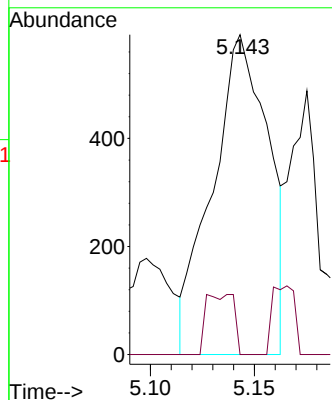
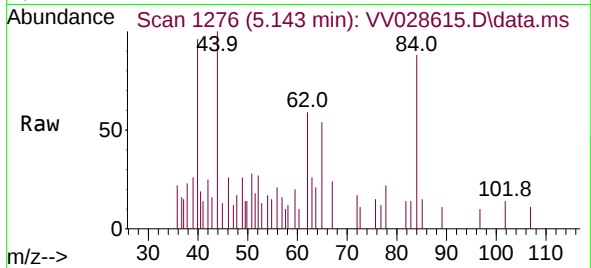




#27
1,2-Dichloroethane
Concen: 0.077 ug/L
RT: 5.143 min Scan# 1127
Delta R.T. 0.019 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

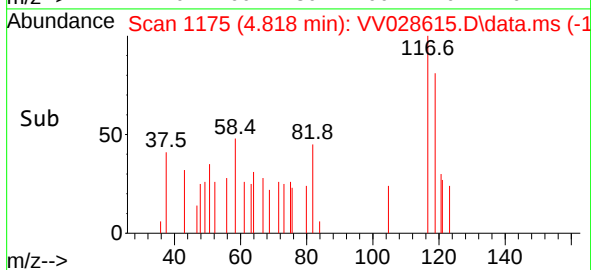
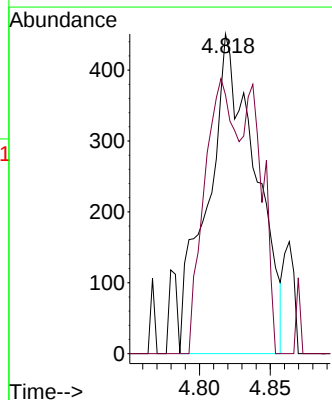
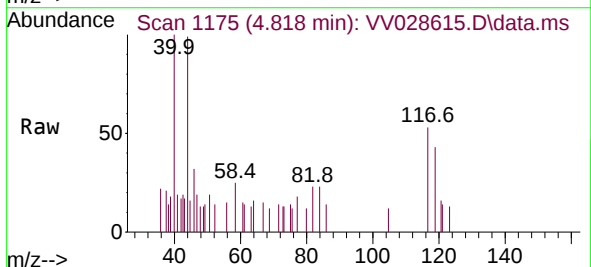
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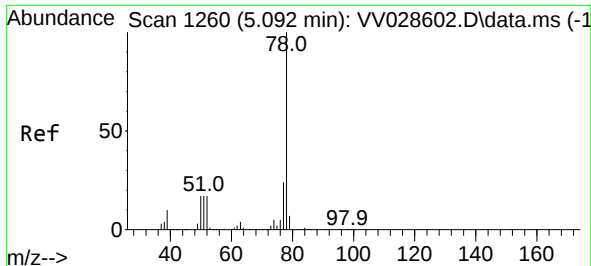
Tgt Ion: 62 Resp: 1106
Ion Ratio Lower Upper
62 100
98 0.0 5.9 8.9#



#31
Carbon tetrachloride
Concen: 0.059 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Tgt Ion: 117 Resp: 1055
Ion Ratio Lower Upper
117 100
119 57.3 75.5 113.3#

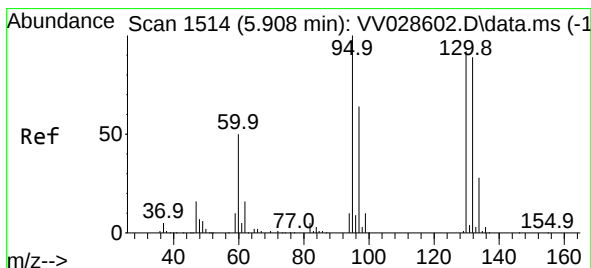
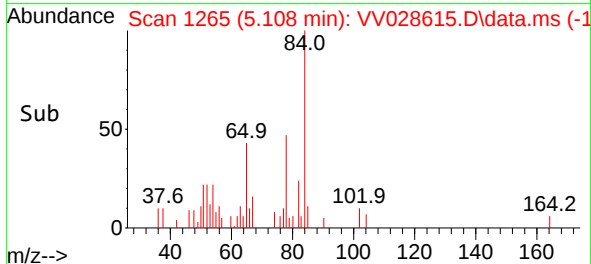
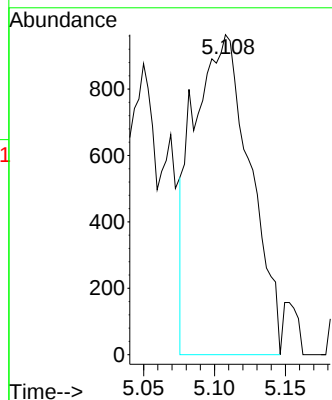
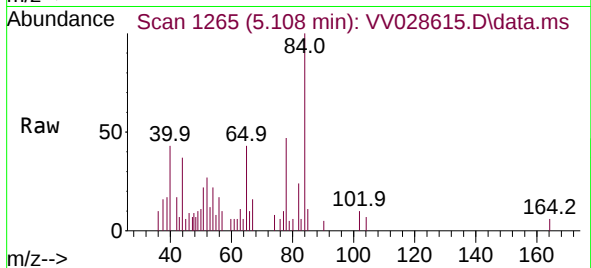




#33
Benzene
Concen: 0.046 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Instrument :
MSVOA_V
ClientSampleId :

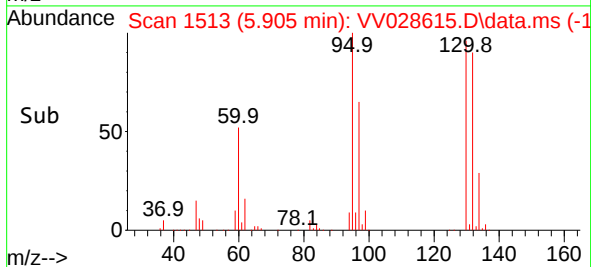
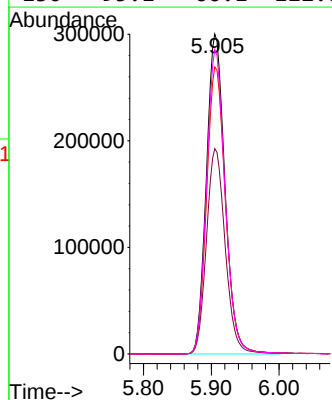
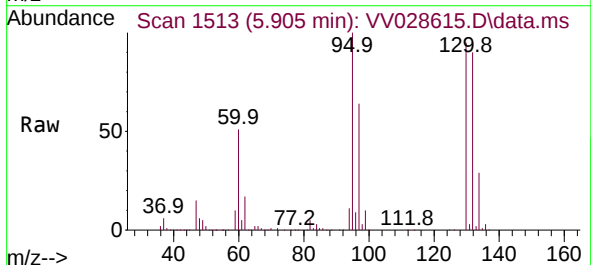
Tgt Ion: 78 Resp: 2665

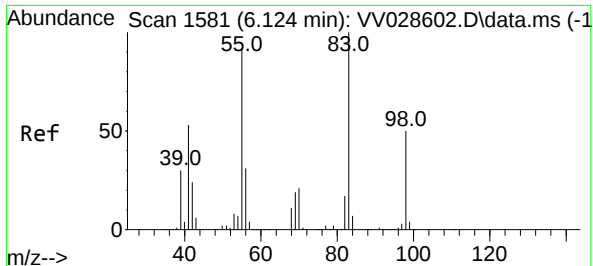


#34
Trichloroethene
Concen: 41.655 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Tgt Ion: 95 Resp: 574167

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.2	85.8
132	89.7	65.1	120.9
130	95.1	66.1	122.8





#35

Methylcyclohexane

Concen: 0.769 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV028615.D

Acq: 18 Oct 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

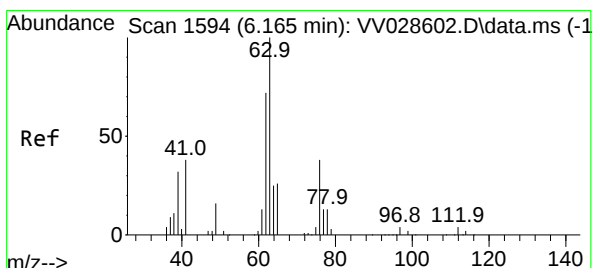
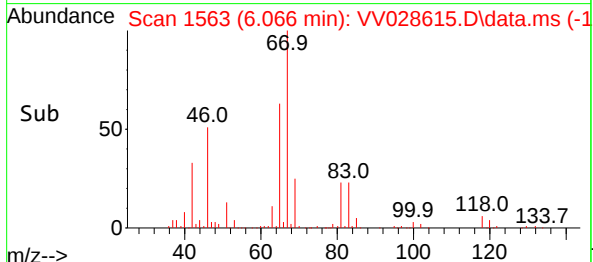
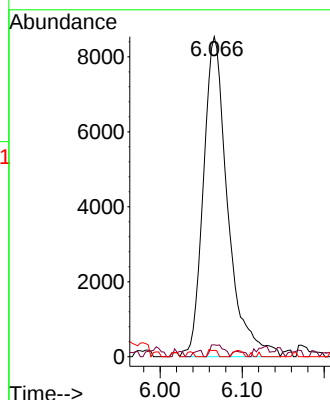
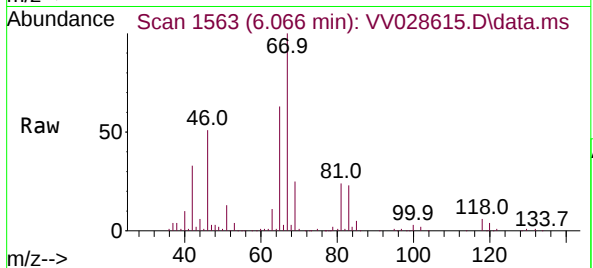
Tgt Ion: 83 Resp: 17637

Ion Ratio Lower Upper

83 100

55 2.1 65.0 97.6#

98 0.0 36.4 54.6#



#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV028615.D

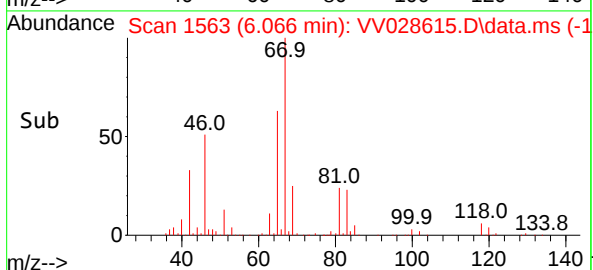
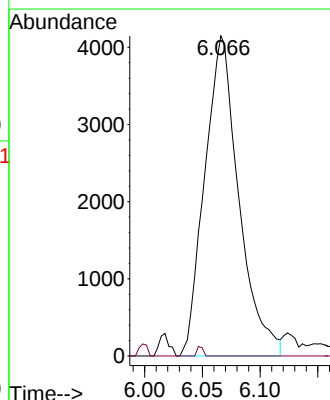
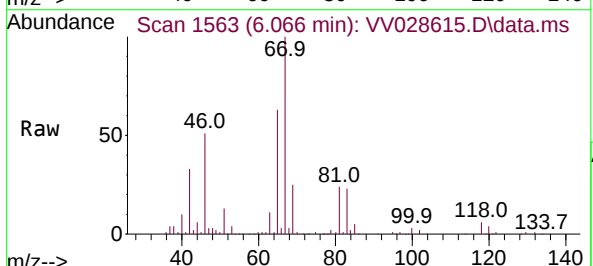
Acq: 18 Oct 2022 15:07

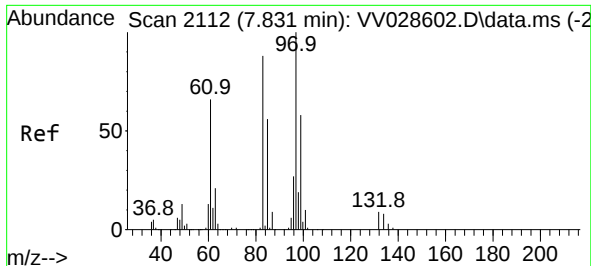
Tgt Ion: 63 Resp: 8517

Ion Ratio Lower Upper

63 100

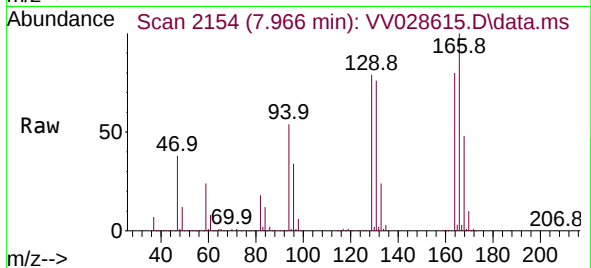
112 0.5 3.4 5.2#





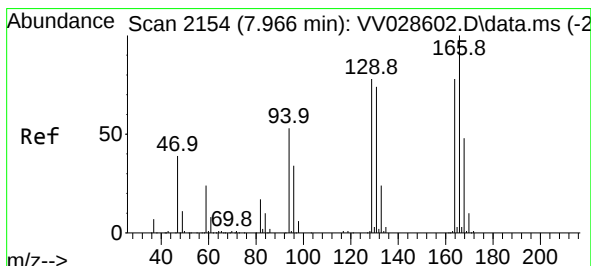
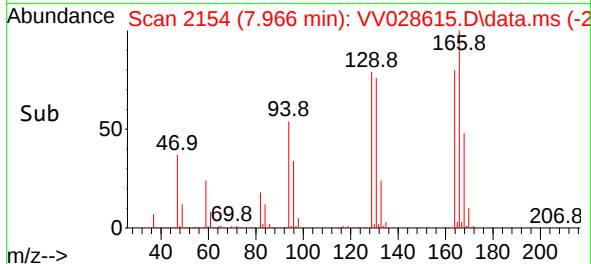
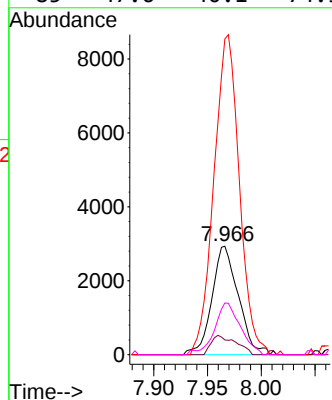
#45
1,1,2-Trichloroethane
Concen: 0.615 ug/L
RT: 7.966 min Scan# 2112
Delta R.T. 0.135 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 97 Resp: 5022

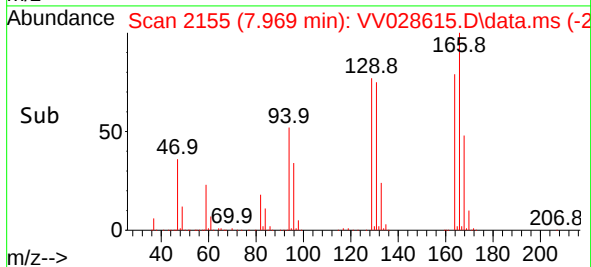
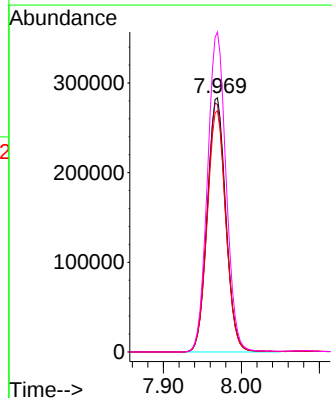
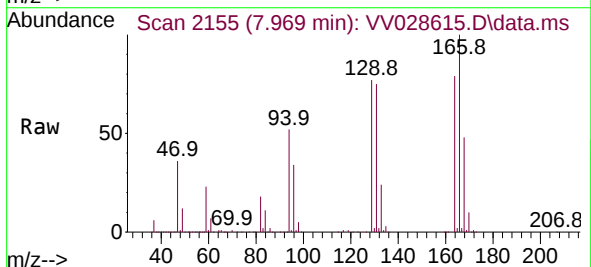
Ion	Ratio	Lower	Upper
97	100		
99	13.5	44.4	82.4#
83	291.1	63.1	117.1#
85	47.6	40.1	74.5

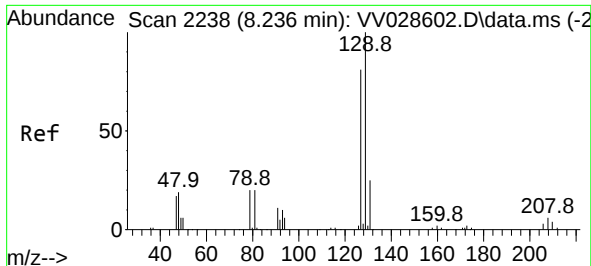


#47
Tetrachloroethene
Concen: 52.307 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028615.D
Acq: 18 Oct 2022 15:07

Tgt Ion: 164 Resp: 469285

Ion	Ratio	Lower	Upper
164	100		
129	97.4	69.3	128.7
131	94.9	67.3	125.1
166	125.9	88.5	164.4





#49

Dibromochloromethane

Concen: 51.741 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV028615.D

Acq: 18 Oct 2022 15:07

Instrument :

MSVOA_V

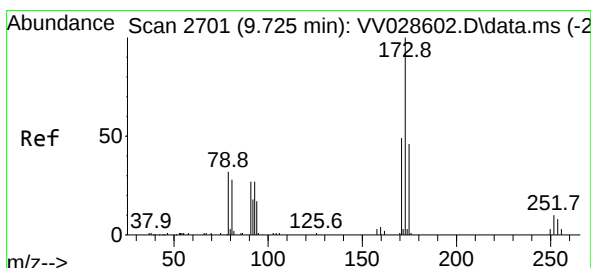
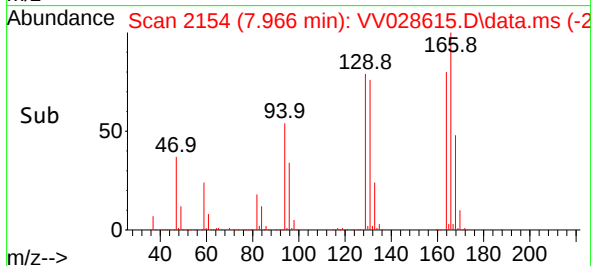
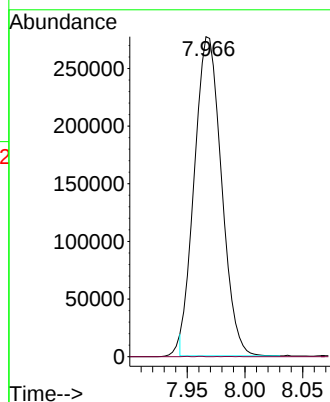
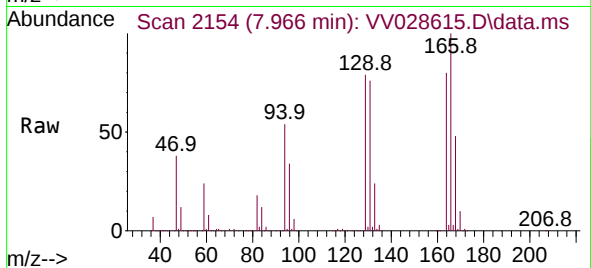
ClientSampleId :

Tgt Ion:129 Resp: 450583

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#59

Bromoform

Concen: 0.077 ug/L

RT: 9.718 min Scan# 2699

Delta R.T. -0.006 min

Lab File: VV028615.D

Acq: 18 Oct 2022 15:07

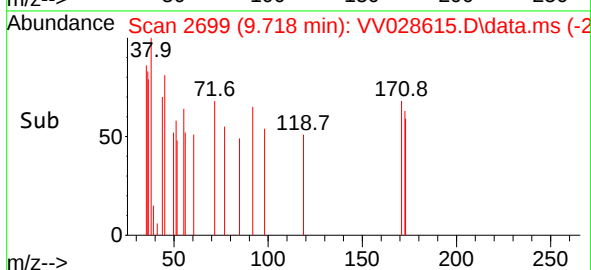
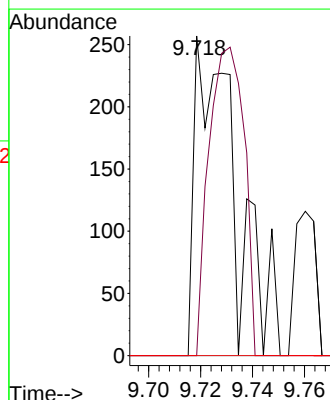
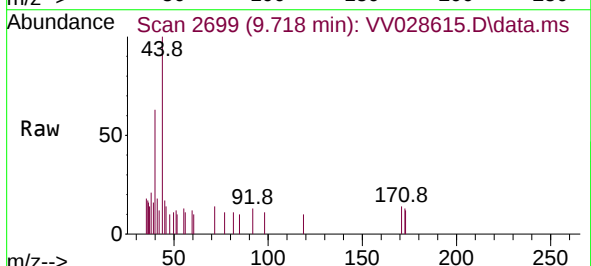
Tgt Ion:173 Resp: 283

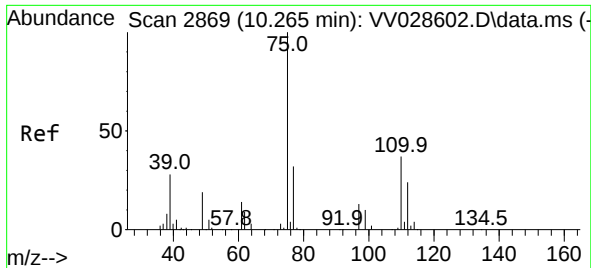
Ion Ratio Lower Upper

173 100

175 82.3 39.4 59.0#

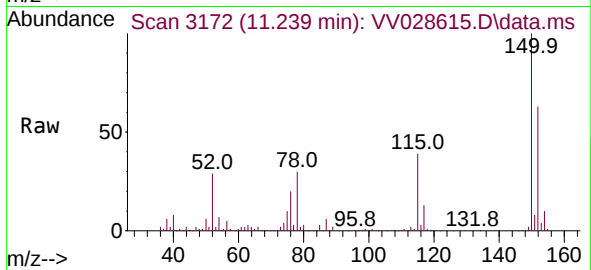
254 0.0 7.4 11.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.824 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV028615.D
 Acq: 18 Oct 2022 15:07

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	75	Resp:	11950
Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0
110	3.4	28.3	42.5#

