

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112222\
 Data File : VW029293.D
 Acq On : 23 Nov 2022 03:54
 Operator : SY/MD
 Sample : N5652-15DL 40X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 04:50:15 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	218649	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	185057	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	80572	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	72462	3.474	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.564	69	68025	4.166	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.105	63	87318	2.458	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.200%#
20) 2-Butanone-d5	3.918	46	227512	73.899	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	147.800%#
24) Chloroform-d	4.339	84	141335	4.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.024	65	76022	5.434	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.043	84	261897	4.341	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.063	67	102015	5.351	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.310	98	193037	3.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	7.616	79	29413	4.634	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.088	63	116922	102.755	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	205.520%#
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63245	6.673	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.400%#
66) 1,2-Dichlorobenzene-d4	11.615	152	67520	4.344	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%

Target Compounds				Qvalue		
3) Chloromethane	1.240	50	973	0.039	ug/L #	82
16) Methylene chloride	2.503	84	23189	0.913	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	1115	0.031	ug/L #	81
22) cis-1,2-Dichloroethene	3.905	96	923	0.052	ug/L	82
25) Chloroform	4.368	83	4691	0.149	ug/L	99
34) Trichloroethene	5.908	95	84755	4.779	ug/L	96
35) Methylcyclohexane	6.063	83	21950	0.766	ug/L #	17
37) 1,2-Dichloropropane	6.063	63	10693	0.612	ug/L #	88
38) Bromodichloromethane	6.513	83	780	0.040	ug/L #	92
39) cis-1,3-Dichloropropene	6.982	75	1933	0.085	ug/L #	59
47) Tetrachloroethene	7.969	164	2465	0.212	ug/L	89
49) Dibromochloromethane	8.236	129	467	0.043	ug/L	90
50) 1,2-Dibromoethane	8.342	107	352	0.040	ug/L #	97
51) Chlorobenzene	8.873	112	1558	0.037	ug/L #	69
53) m,p-Xylene	9.133	106	1566	0.057	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	925	0.100	ug/L #	78
60) Isopropylbenzene	9.924	105	2509	0.039	ug/L #	91
61) 1,2,3-Trichloropropane	10.268	75	595	0.077	ug/L #	76
62) 1,3,5-Trimethylbenzene	10.532	105	2082	0.038	ug/L	89

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 23 01:46:18 2022
Response via : Initial Calibration

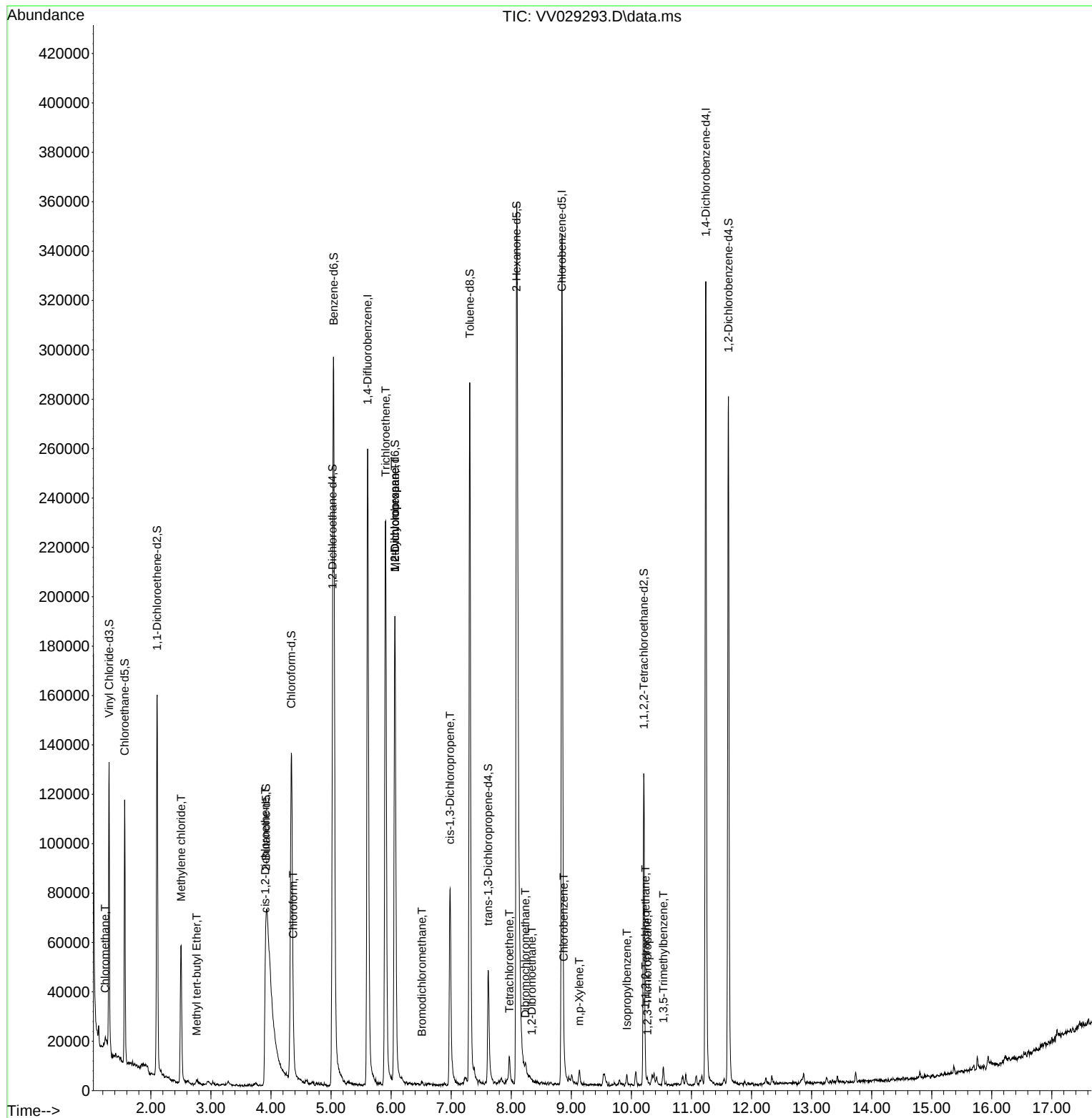
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

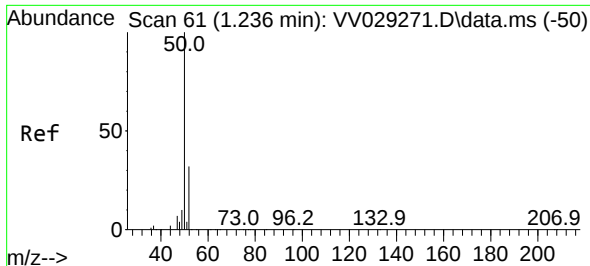
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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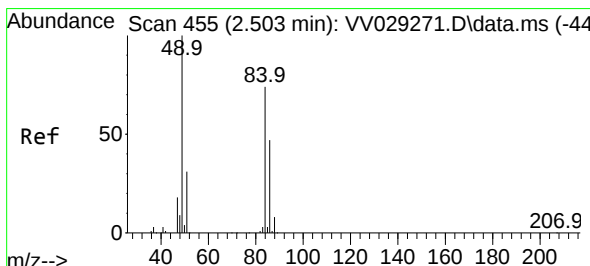
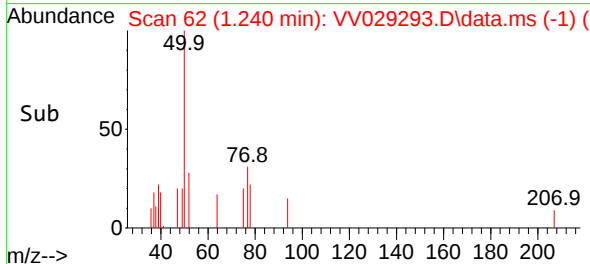
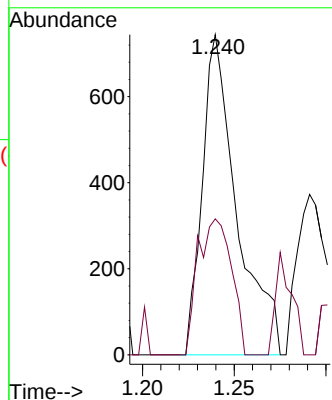
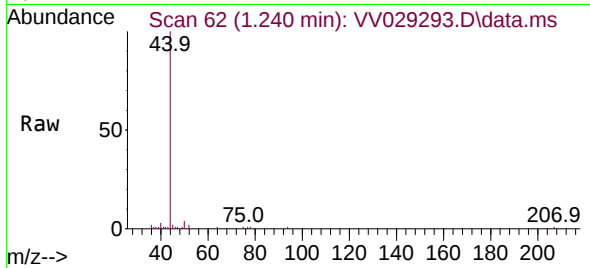




#3
Chloromethane
Concen: 0.039 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

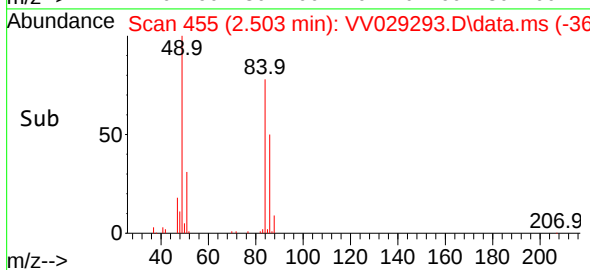
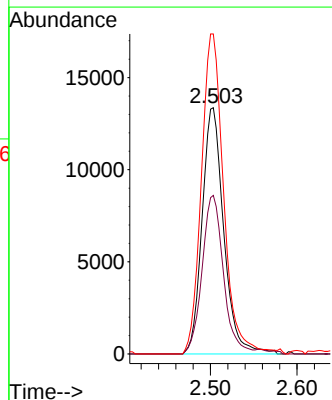
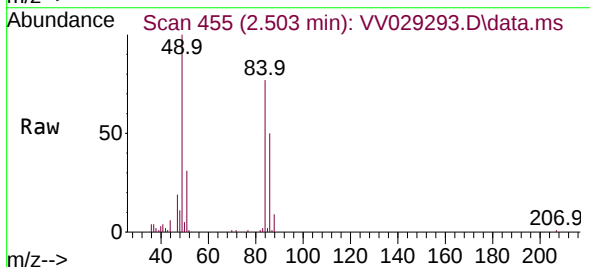
Instrument :
MSVOA_V
ClientSampleId :

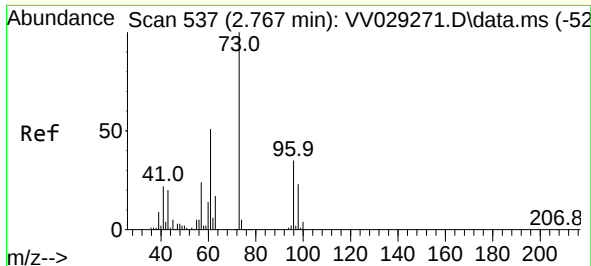
Tgt Ion: 50 Resp: 973
Ion Ratio Lower Upper
50 100
52 42.5 22.8 42.4#



#16
Methylene chloride
Concen: 0.913 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

Tgt Ion: 84 Resp: 23189
Ion Ratio Lower Upper
84 100
86 64.4 44.2 82.2
49 129.9 91.9 170.7





#17

Methyl tert-butyl Ether

Concen: 0.031 ug/L

RT: 2.764 min Scan# 511

Delta R.T. -0.003 min

Lab File: VV029293.D

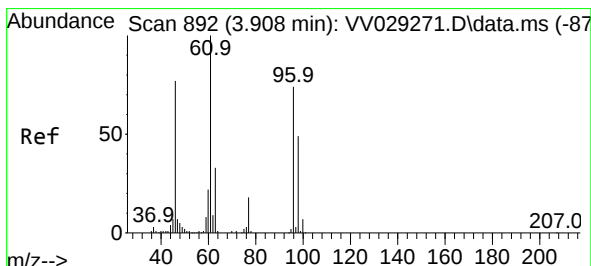
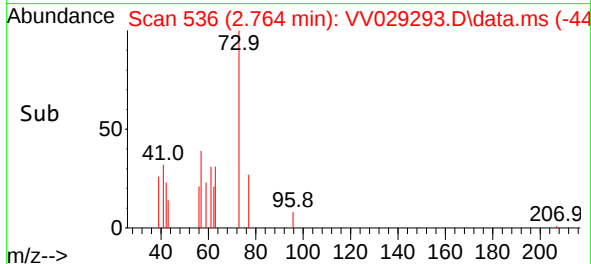
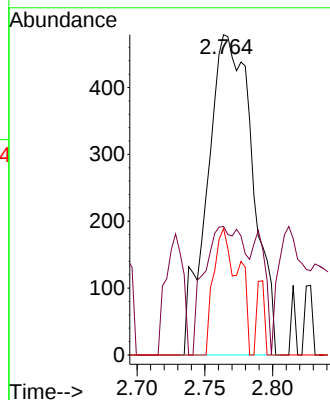
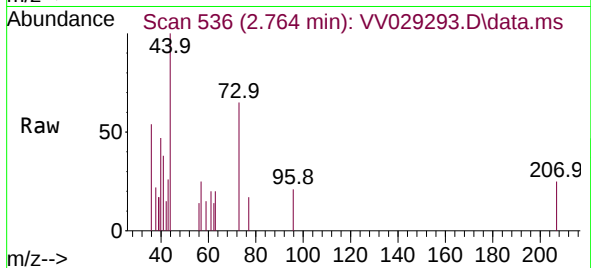
Acq: 23 Nov 2022 03:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73	Resp: 1115
Ion Ratio	Lower Upper
73	100
43	36.2 15.4 23.2#
57	21.7 18.9 28.3



#22

cis-1,2-Dichloroethene

Concen: 0.052 ug/L

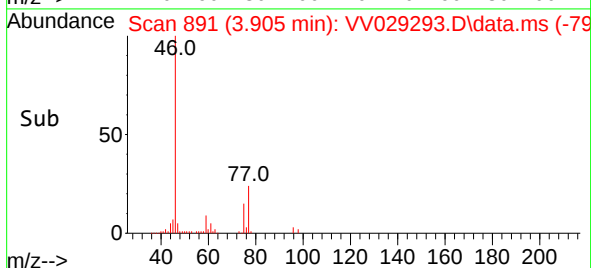
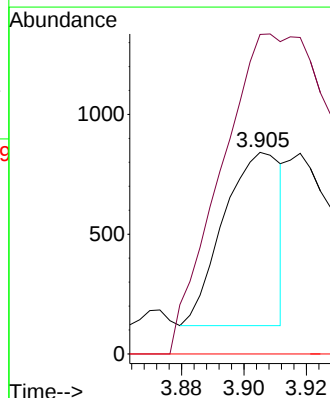
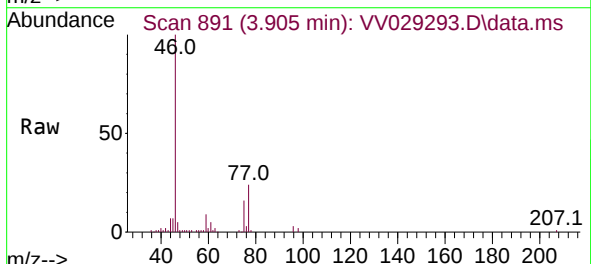
RT: 3.905 min Scan# 891

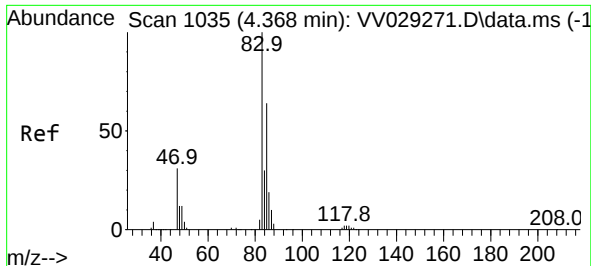
Delta R.T. -0.003 min

Lab File: VV029293.D

Acq: 23 Nov 2022 03:54

Tgt Ion: 96	Resp: 923
Ion Ratio	Lower Upper
96	100
61	158.4 95.8 178.0
68	0.0 0.0 0.0

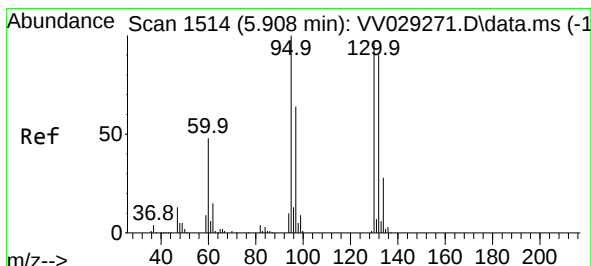
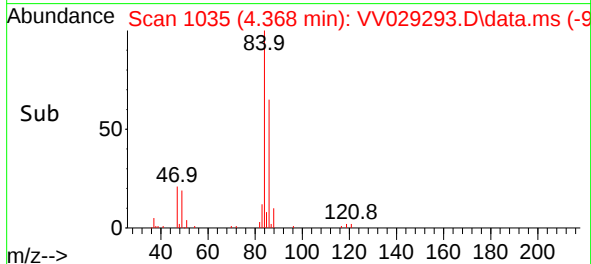
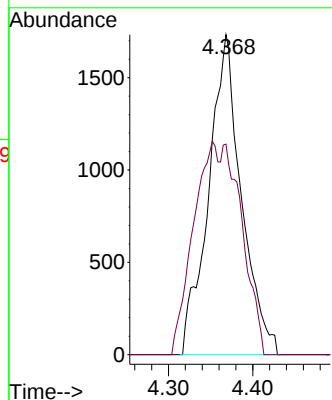
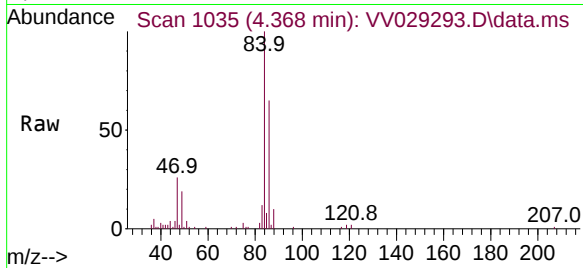




#25
Chloroform
Concen: 0.149 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

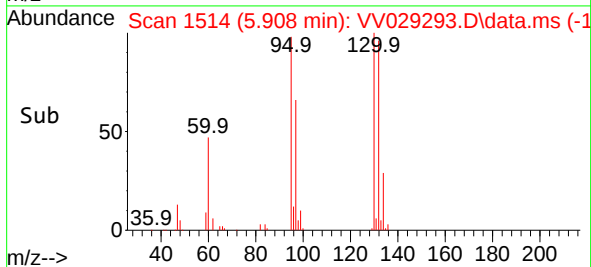
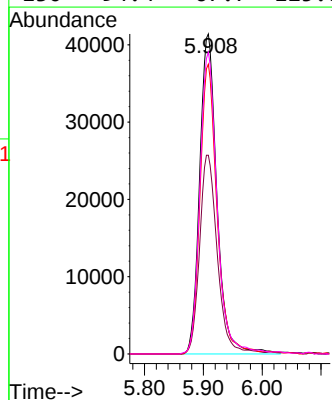
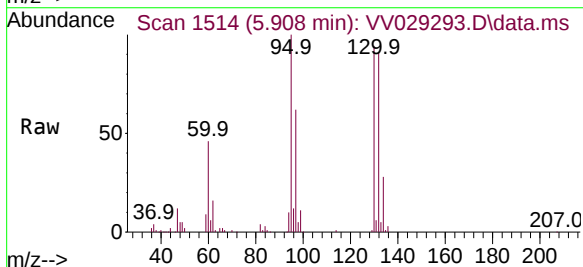
Instrument :
MSVOA_V
ClientSampleId :

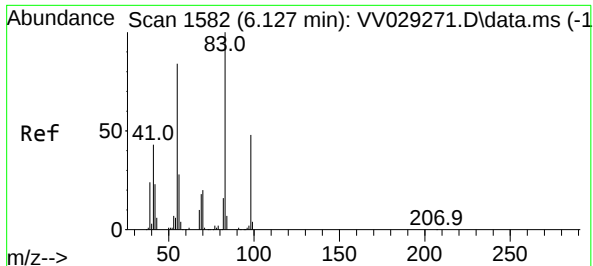
Tgt Ion: 83 Resp: 4691
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#34
Trichloroethene
Concen: 4.779 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

Tgt Ion: 95 Resp: 84755
Ion Ratio Lower Upper
95 100
97 62.1 46.7 86.7
132 90.6 65.7 122.1
130 94.4 67.7 125.7





#35

Methylcyclohexane

Concen: 0.766 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.064 min

Lab File: VV029293.D

Acq: 23 Nov 2022 03:54

Instrument :

MSVOA_V

ClientSampleId :

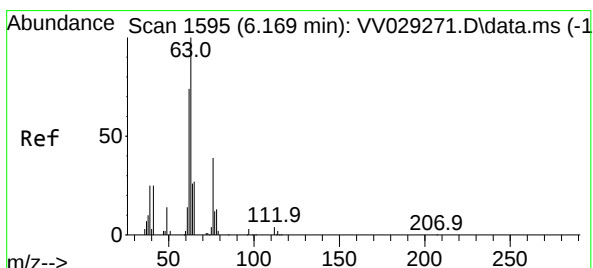
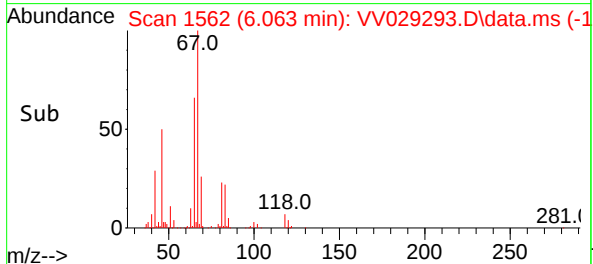
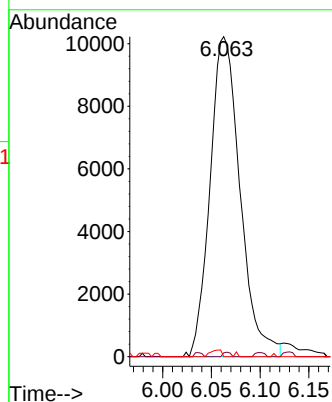
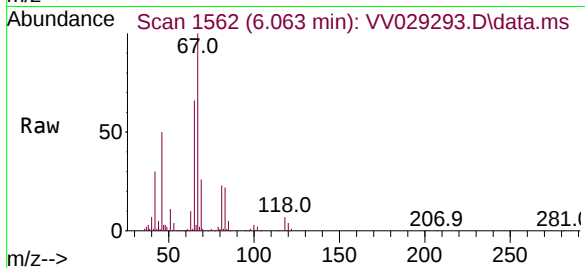
Tgt Ion: 83 Resp: 21950

Ion Ratio Lower Upper

83 100

55 0.3 65.7 98.5#

98 0.8 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 0.612 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.106 min

Lab File: VV029293.D

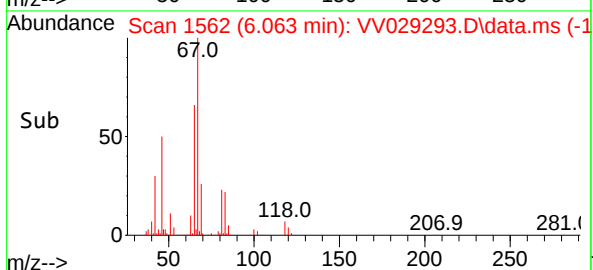
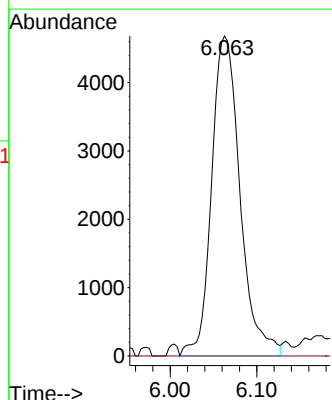
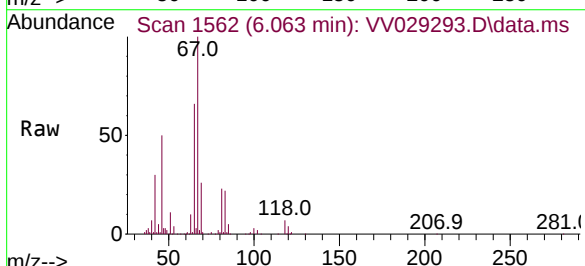
Acq: 23 Nov 2022 03:54

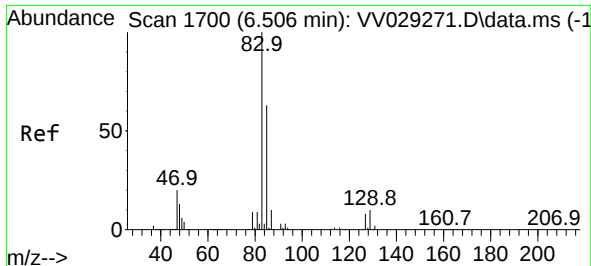
Tgt Ion: 63 Resp: 10693

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#38

Bromodichloromethane

Concen: 0.040 ug/L

RT: 6.513 min Scan# 1

Delta R.T. 0.006 min

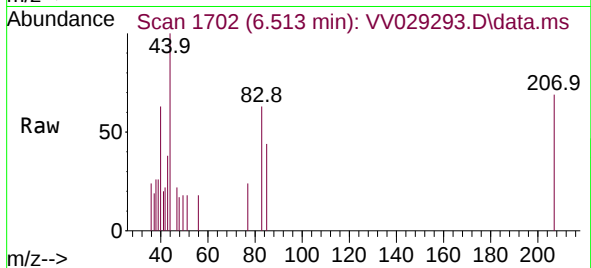
Lab File: VV029293.D

Acq: 23 Nov 2022 03:54

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ClientSampleId :



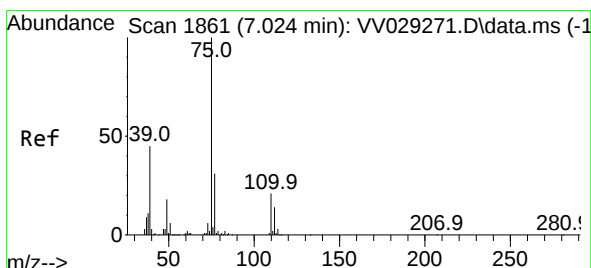
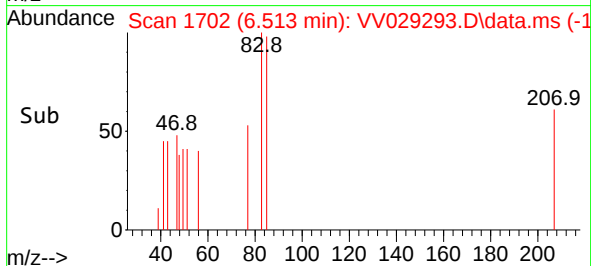
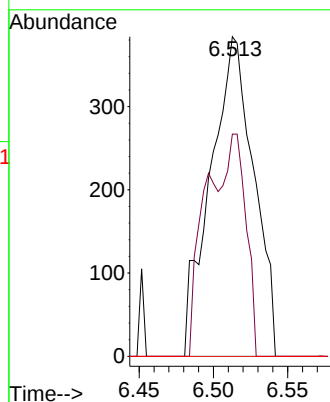
Tgt Ion: 83 Resp: 780

Ion Ratio Lower Upper

83 100

85 69.5 45.1 83.7

127 0.0 6.2 9.4#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.042 min

Lab File: VV029293.D

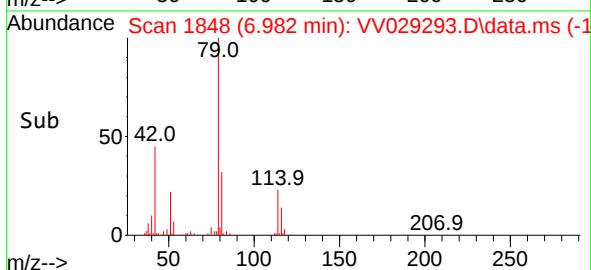
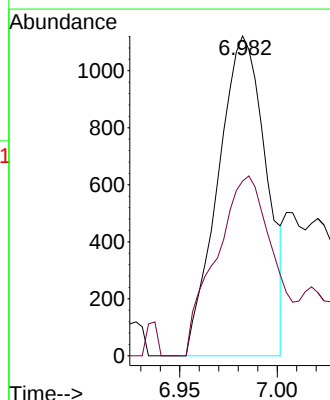
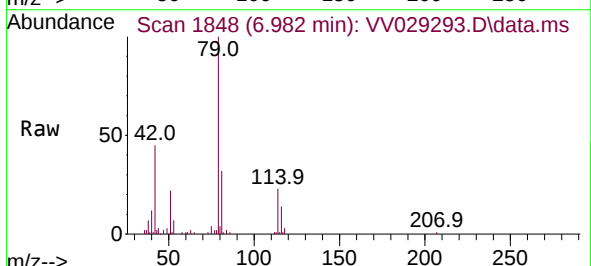
Acq: 23 Nov 2022 03:54

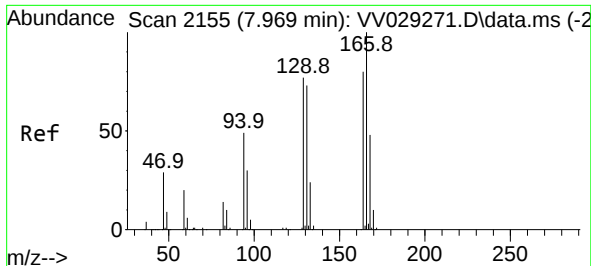
Tgt Ion: 75 Resp: 1933

Ion Ratio Lower Upper

75 100

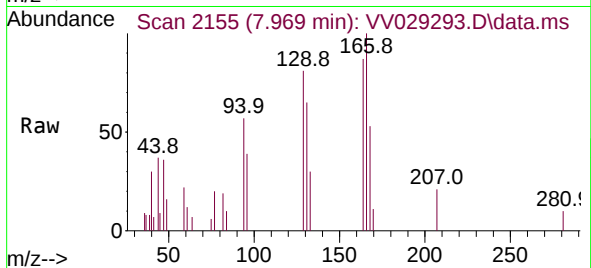
77 54.6 22.3 41.5#



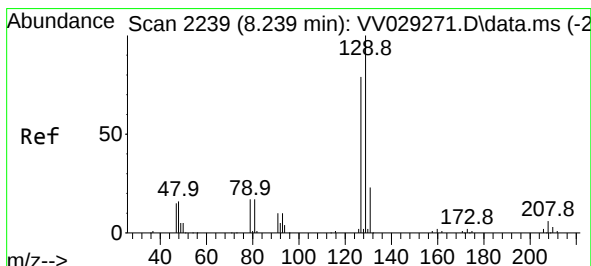
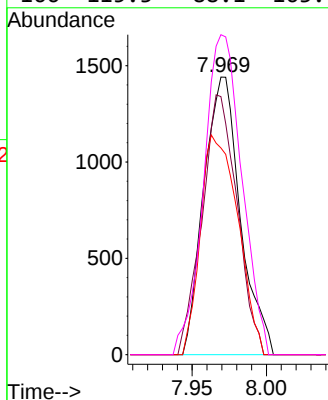
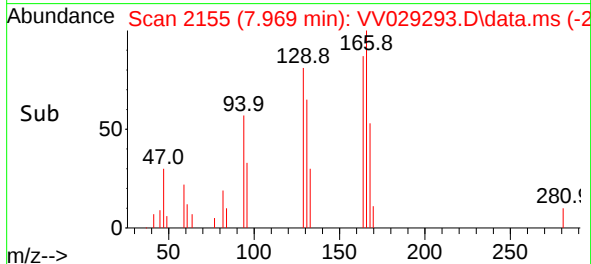


#47
Tetrachloroethene
Concen: 0.212 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

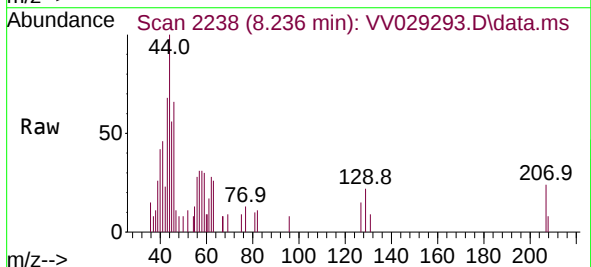
Instrument :
MSVOA_V
ClientSampleId :



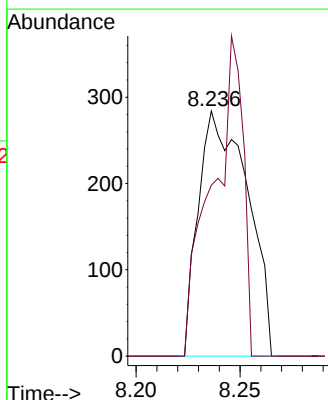
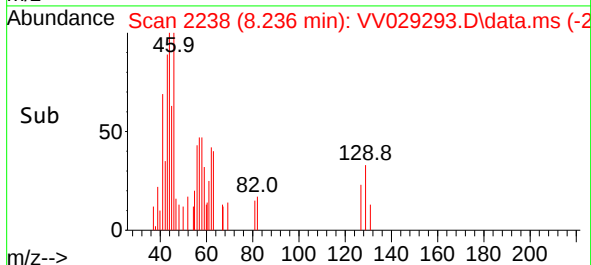
Tgt Ion:	164	Resp:	2465
Ion	Ratio	Lower	Upper
164	100		
129	93.0	68.3	126.8
131	74.5	65.2	121.0
166	115.3	88.1	163.7

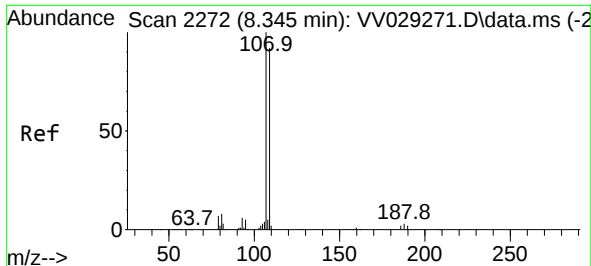


#49
Dibromochloromethane
Concen: 0.043 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54



Tgt Ion:	129	Resp:	467
Ion	Ratio	Lower	Upper
129	100		
127	69.7	54.7	101.5





#50

1,2-Dibromoethane

Concen: 0.040 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029293.D

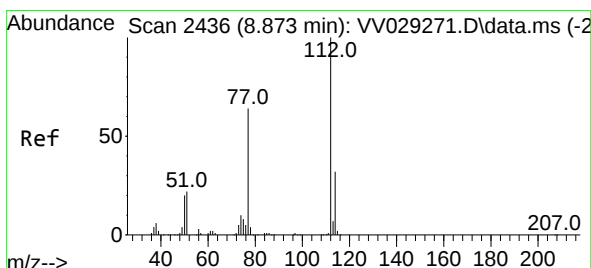
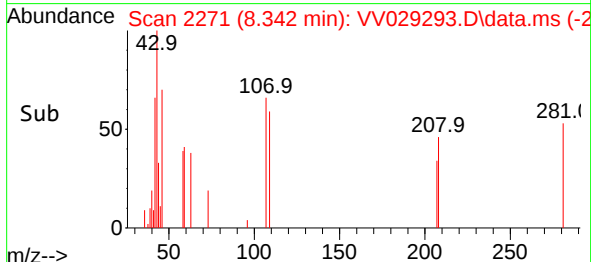
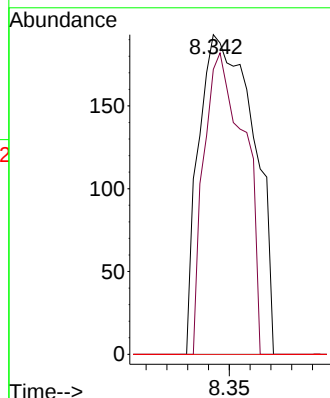
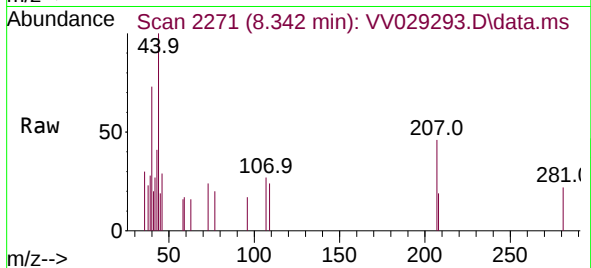
Acq: 23 Nov 2022 03:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	352
Ion	Ratio	Lower Upper
107	100	
109	89.1	64.3 119.3
188	0.0	3.0 4.6#



#51

Chlorobenzene

Concen: 0.037 ug/L

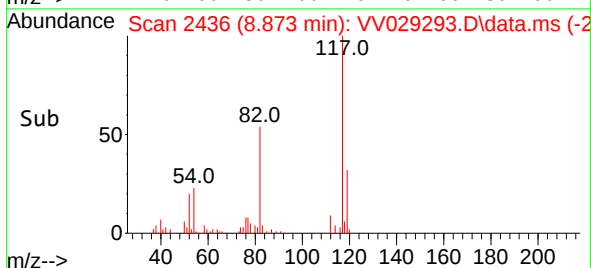
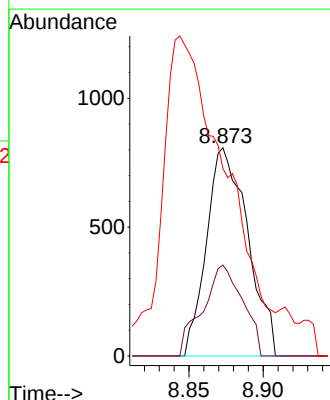
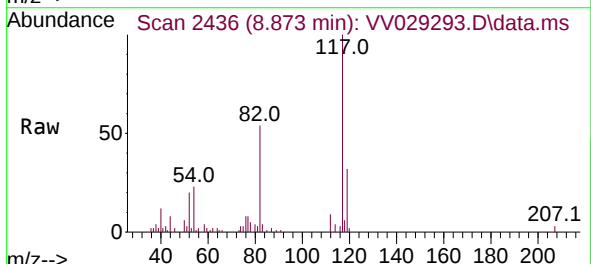
RT: 8.873 min Scan# 2436

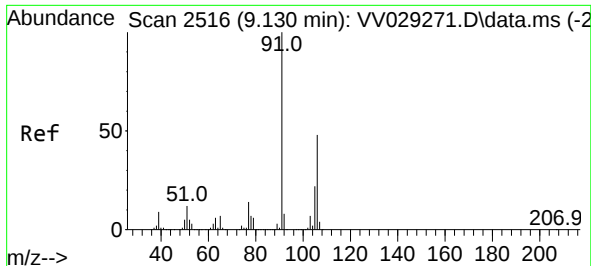
Delta R.T. 0.000 min

Lab File: VV029293.D

Acq: 23 Nov 2022 03:54

Tgt Ion:112	Resp:	1558
Ion	Ratio	Lower Upper
112	100	
114	43.7	22.3 41.3#
77	90.1	49.8 74.6#

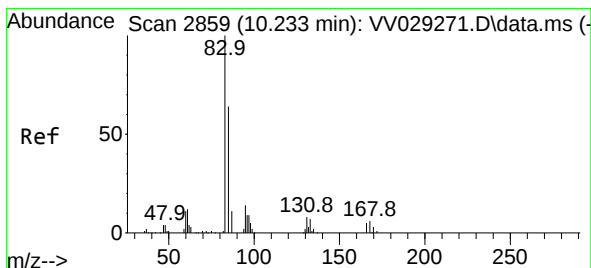
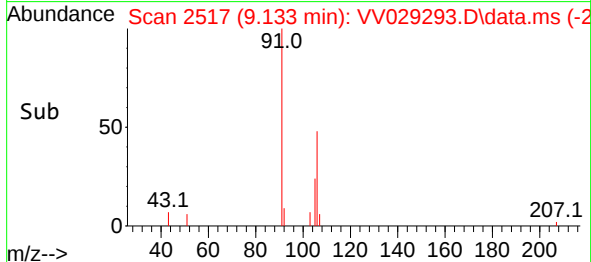
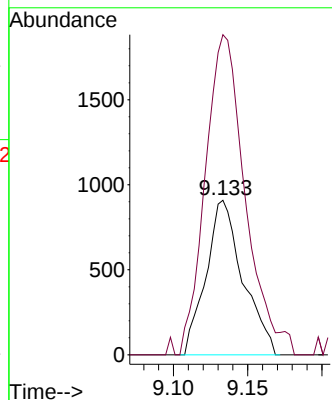
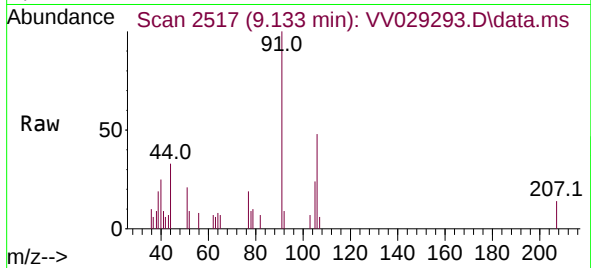




#53
m,p-Xylene
Concen: 0.057 ug/L
RT: 9.133 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

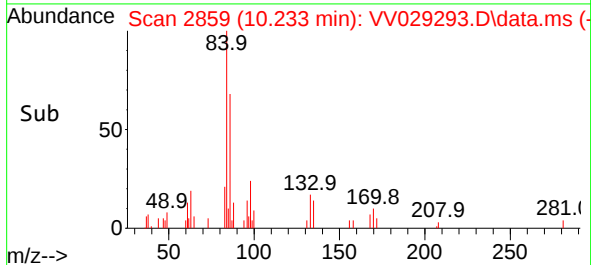
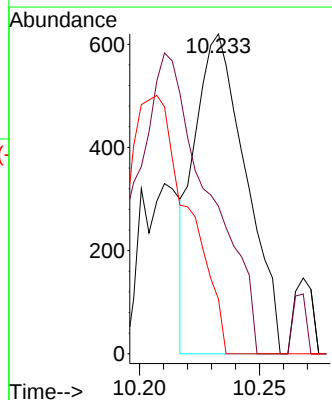
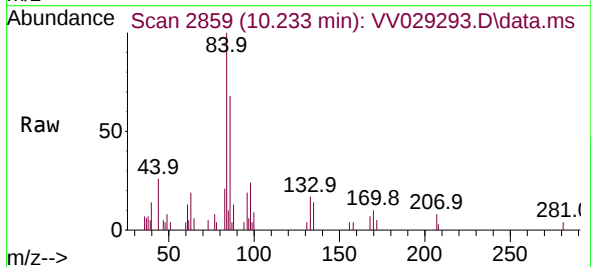
Instrument :
MSVOA_V
ClientSampleId :

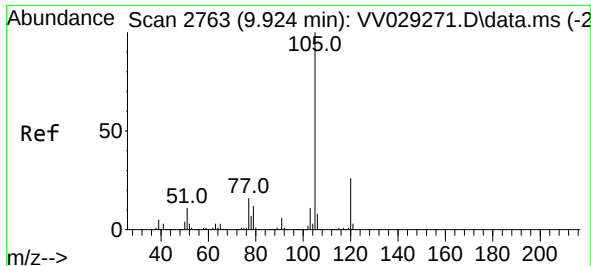
Tgt Ion:106 Resp: 1566
Ion Ratio Lower Upper
106 100
91 207.2 147.3 273.6



#57
1,1,2,2-Tetrachloroethane
Concen: 0.100 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

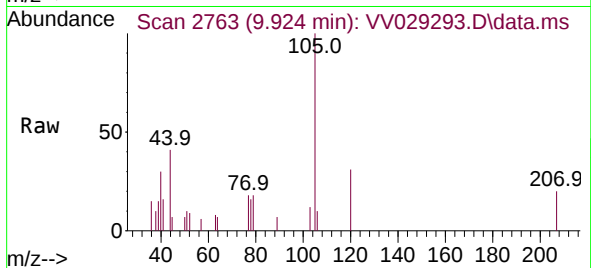
Tgt Ion: 83 Resp: 925
Ion Ratio Lower Upper
83 100
85 46.1 43.9 81.5
131 17.1 6.9 10.3#



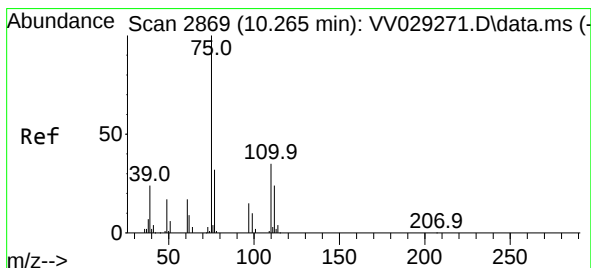
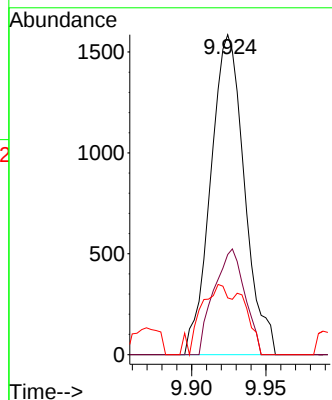
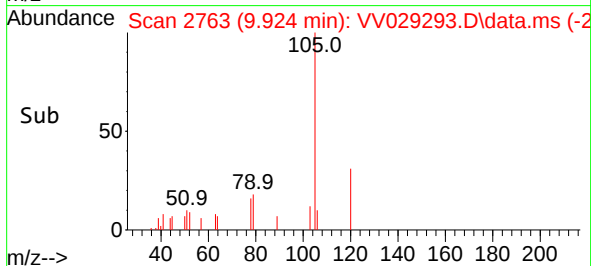


#60
Isopropylbenzene
Concen: 0.039 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54

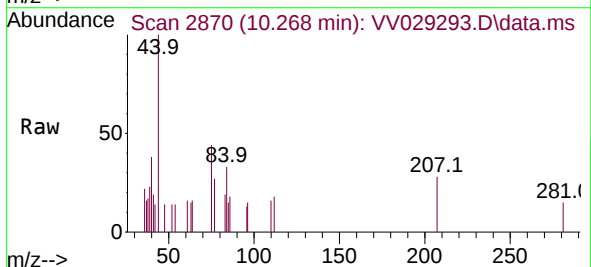
Instrument :
MSVOA_V
ClientSampleId :



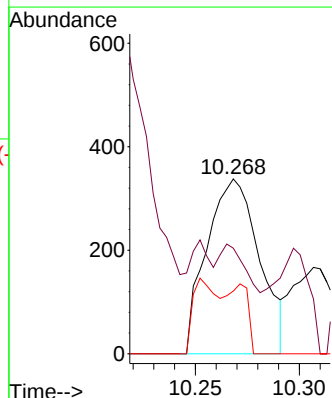
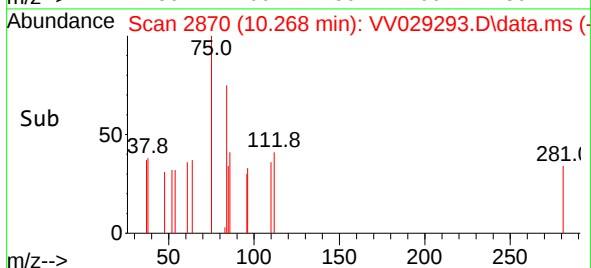
Tgt Ion:105 Resp: 2509
Ion Ratio Lower Upper
105 100
120 30.1 20.3 30.5
77 19.6 13.0 19.6#

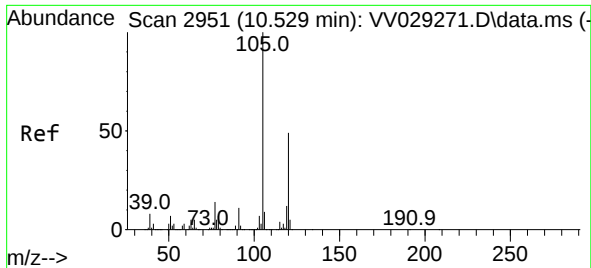


#61
1,2,3-Trichloropropane
Concen: 0.077 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV029293.D
Acq: 23 Nov 2022 03:54



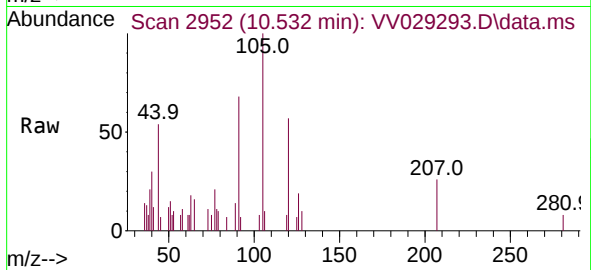
Tgt Ion: 75 Resp: 595
Ion Ratio Lower Upper
75 100
77 25.4 25.4 38.0
110 16.0 29.6 44.4#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.038 ug/L
 RT: 10.532 min Scan# 2952
 Delta R.T. 0.003 min
 Lab File: VV029293.D
 Acq: 23 Nov 2022 03:54

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 2082
 Ion Ratio Lower Upper
 105 100
 120 56.0 39.0 58.4

