

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038273.D
 Acq On : 22 Nov 2024 16:17
 Operator : SY/MD
 Sample : P4884-14
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 00:03:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 23:57:44 2024
 Response via : Initial Calibration

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

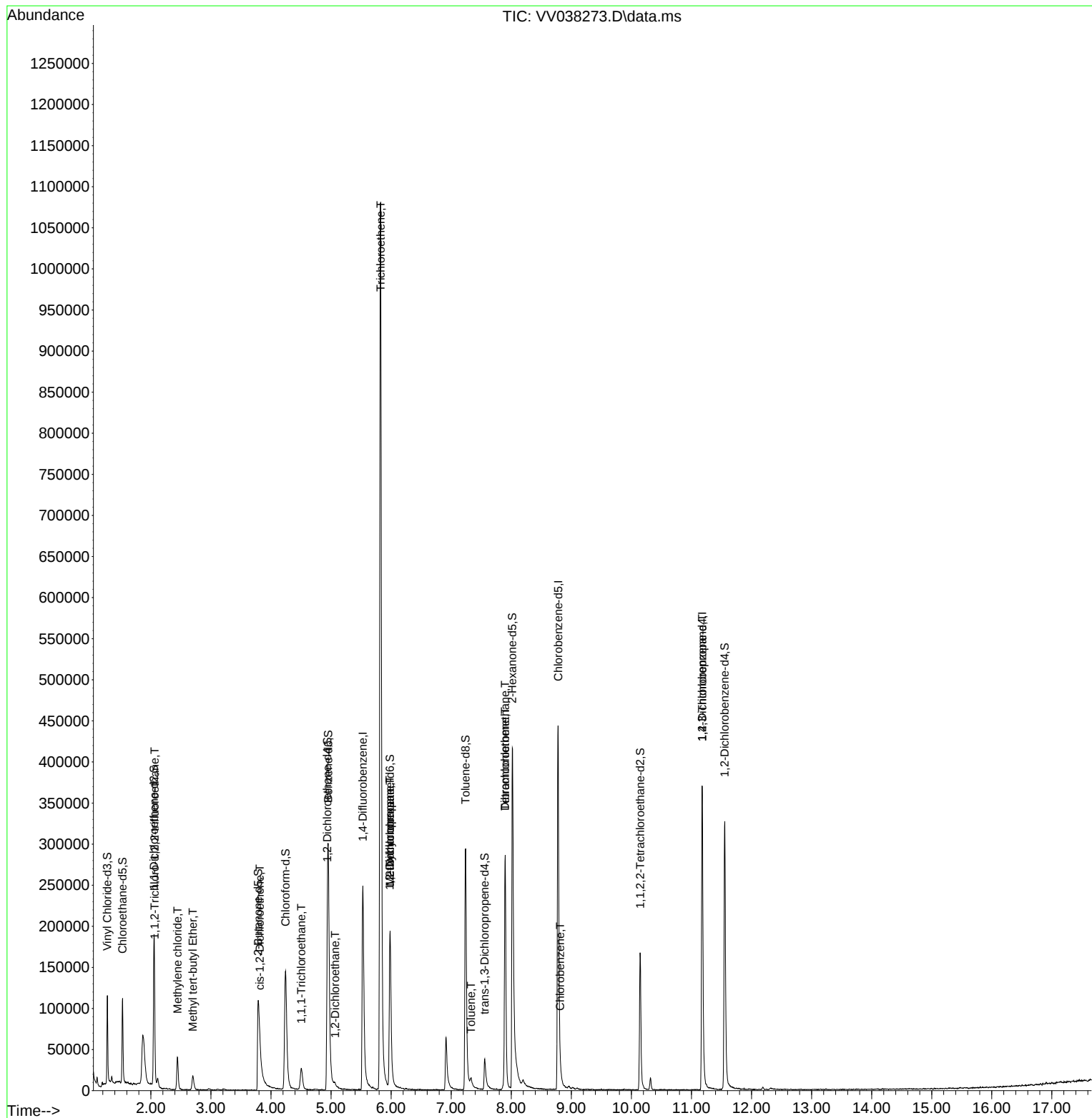
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	232861	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	257441	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	105884	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	66274	3.713	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.529	69	66740	4.623	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.053	65	30206	3.933	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	3.786	46	198113	55.486	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.980%
24) Chloroform-d	4.243	84	162837	4.701	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	4.937	65	83354	5.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	4.953	84	285562	4.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	5.982	67	99844	4.877	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.239	98	218200	3.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
43) trans-1,3-Dichloroprop...	7.558	79	28456	3.738	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.018	63	156668	52.947	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.900%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	86621	4.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	91641	5.080	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3350	0.192	ug/L #	56
16) Methylene chloride	2.445	84	17840	0.941	ug/L	97
17) Methyl tert-butyl Ether	2.699	73	14637	0.389	ug/L #	94
22) cis-1,2-Dichloroethene	3.815	96	6759	0.373	ug/L	87
27) 1,2-Dichloroethane	5.066	62	4648	0.251	ug/L #	87
29) 1,1,1-Trichloroethane	4.506	97	22186	0.719	ug/L	95
34) Trichloroethene	5.825	95	405061	20.548	ug/L	99
35) Methylcyclohexane	5.982	83	25167	0.902	ug/L #	19
37) 1,2-Dichloropropane	5.979	63	11337	0.626	ug/L #	86
42) Toluene	7.330	91	10581	0.138	ug/L	96
47) Tetrachloroethene	7.899	164	66260	4.183	ug/L	99
49) Dibromochloromethane	7.899	129	60062	3.750	ug/L #	11
51) Chlorobenzene	8.815	112	9049	0.171	ug/L	95
61) 1,2,3-Trichloropropane	11.178	75	12425	1.371	ug/L #	65

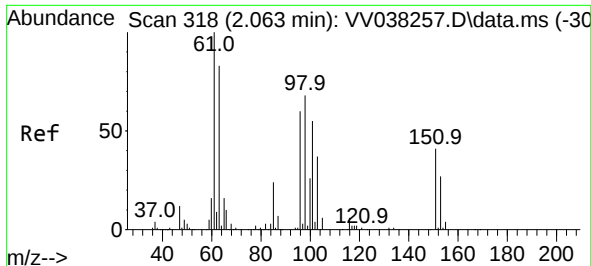
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.192 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV038273.D

Acq: 22 Nov 2024 16:17

Instrument :

MSVOA_V

ClientSampleId :

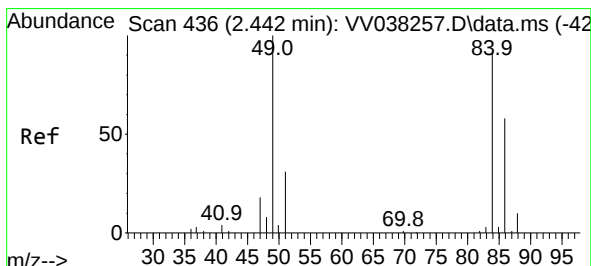
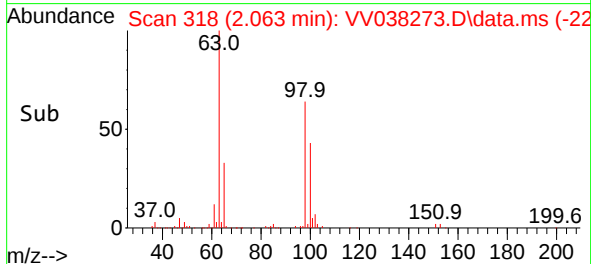
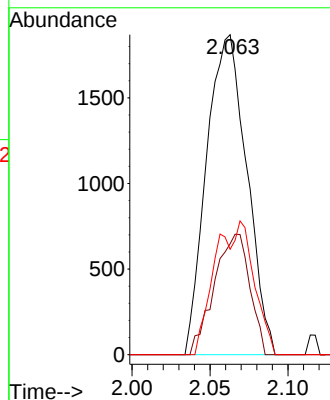
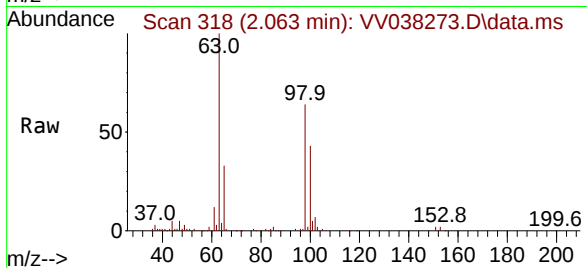
Tgt Ion:101 Resp: 3350

Ion Ratio Lower Upper

101 100

85 33.3 33.4 50.0#

151 21.5 58.8 88.2#



#16

Methylene chloride

Concen: 0.941 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV038273.D

Acq: 22 Nov 2024 16:17

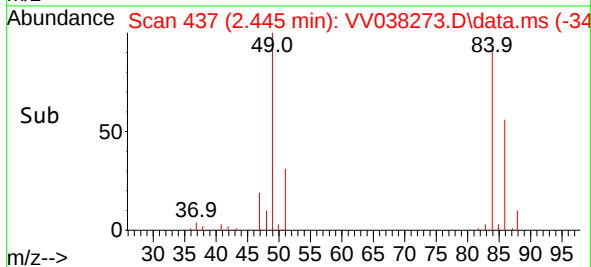
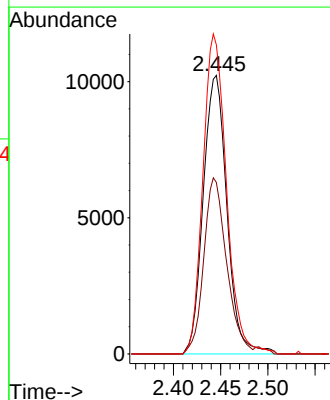
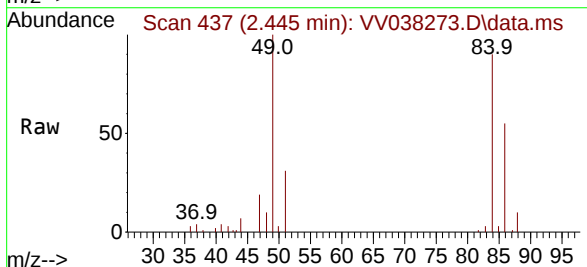
Tgt Ion: 84 Resp: 17840

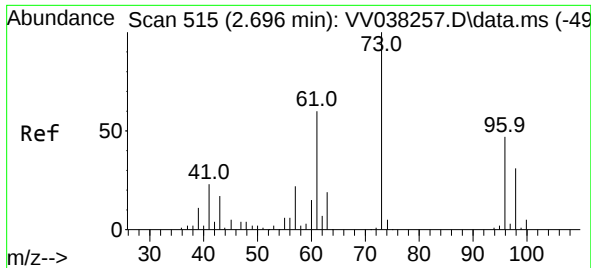
Ion Ratio Lower Upper

84 100

86 61.6 44.2 82.2

49 111.0 74.9 139.1

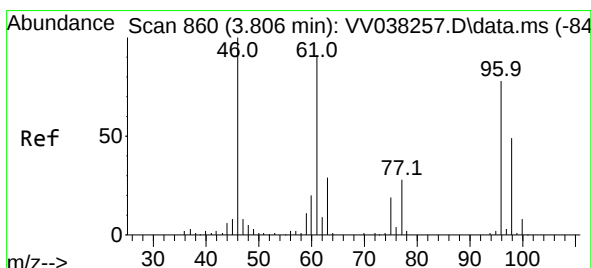
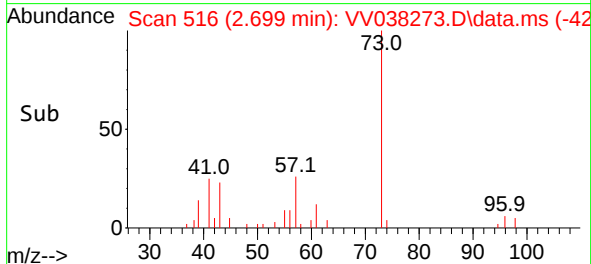
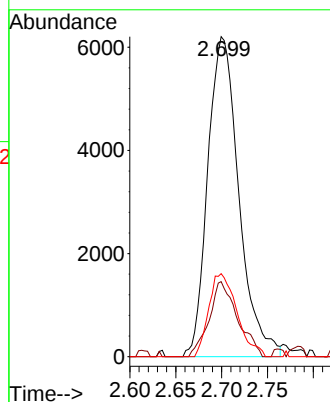
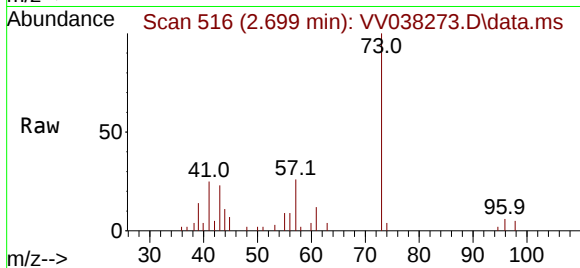




#17
Methyl tert-butyl Ether
Concen: 0.389 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

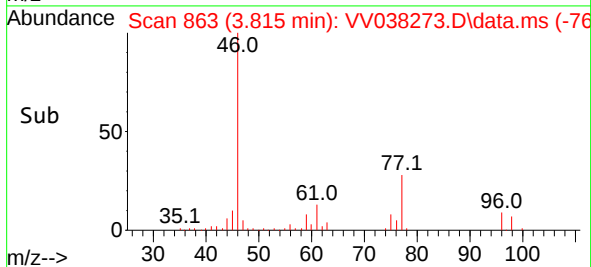
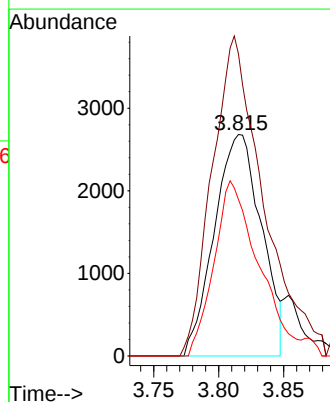
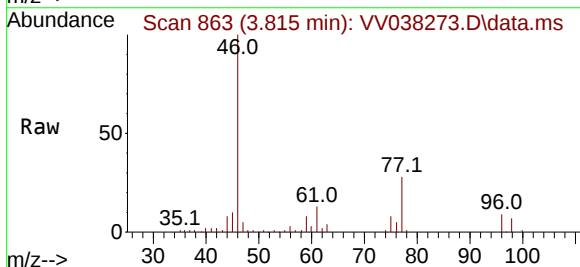
Instrument :
MSVOA_V
ClientSampleId :

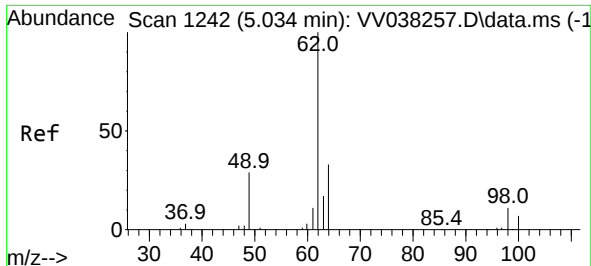
Tgt Ion: 73 Resp: 14637
Ion Ratio Lower Upper
73 100
43 21.5 14.2 21.2#
57 23.5 17.6 26.4



#22
cis-1,2-Dichloroethene
Concen: 0.373 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.010 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Tgt Ion: 96 Resp: 6759
Ion Ratio Lower Upper
96 100
61 136.5 82.7 153.5
98 70.7 46.3 85.9

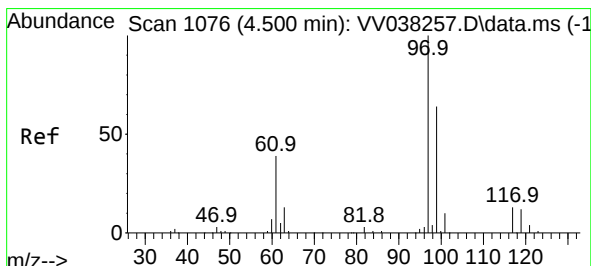
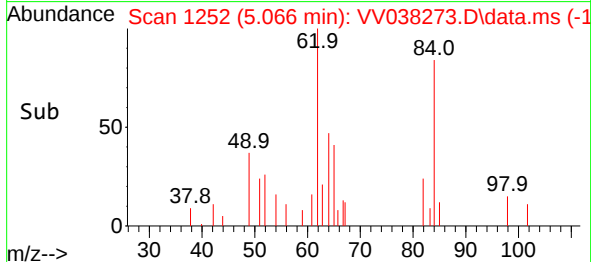
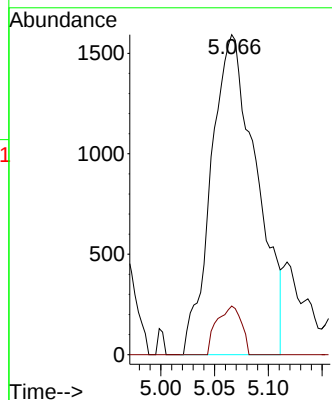
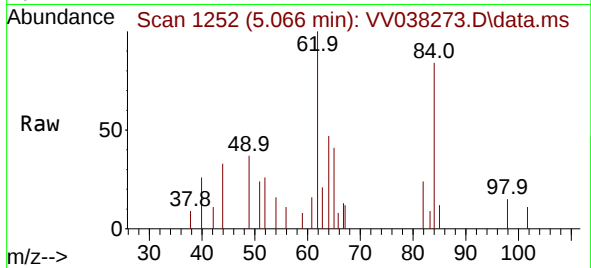




#27
1,2-Dichloroethane
Concen: 0.251 ug/L
RT: 5.066 min Scan# 11
Delta R.T. 0.032 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

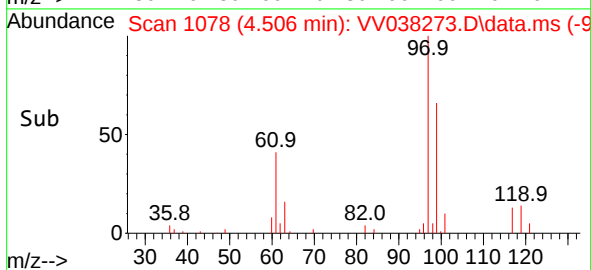
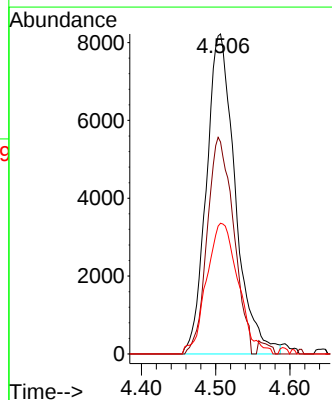
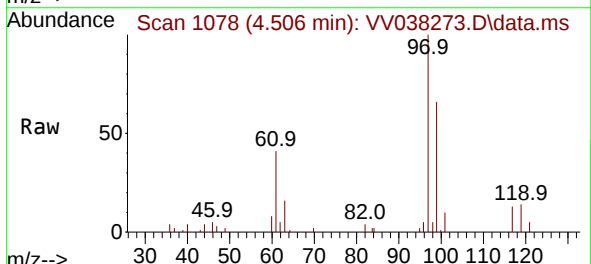
Instrument :
MSVOA_V
ClientSampleId :

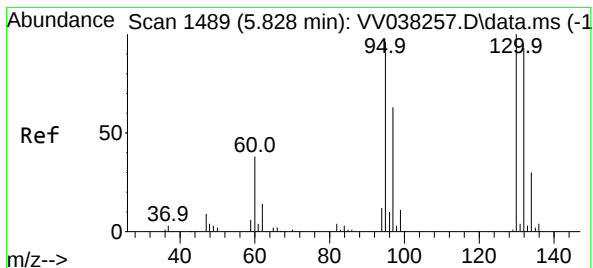
Tgt Ion: 62 Resp: 4648
Ion Ratio Lower Upper
62 100
98 15.2 8.2 12.4#



#29
1,1,1-Trichloroethane
Concen: 0.719 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Tgt Ion: 97 Resp: 22186
Ion Ratio Lower Upper
97 100
99 61.9 51.8 77.8
61 45.0 32.2 48.2





#34

Trichloroethene

Concen: 20.548 ug/L

RT: 5.825 min Scan# 14

Delta R.T. -0.003 min

Lab File: VV038273.D

Acq: 22 Nov 2024 16:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 405061

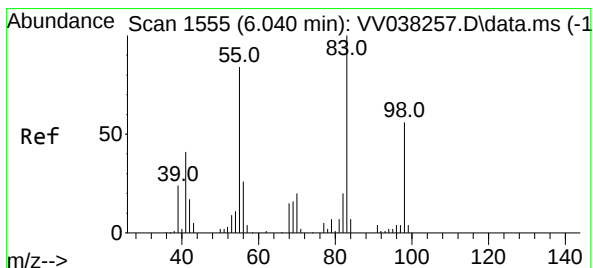
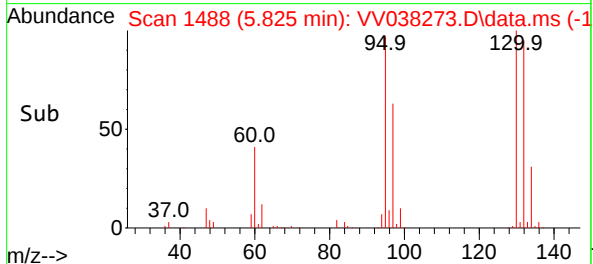
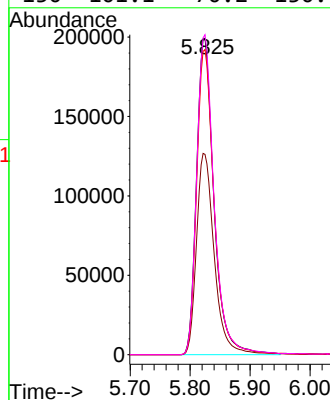
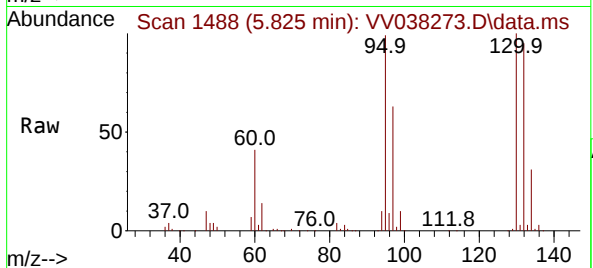
Ion Ratio Lower Upper

95 100

97 63.3 44.8 83.2

132 96.4 68.3 126.8

130 101.1 70.2 130.4



#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038273.D

Acq: 22 Nov 2024 16:17

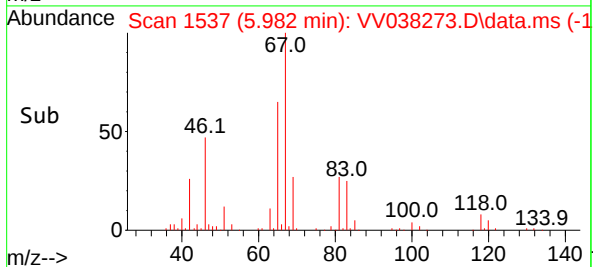
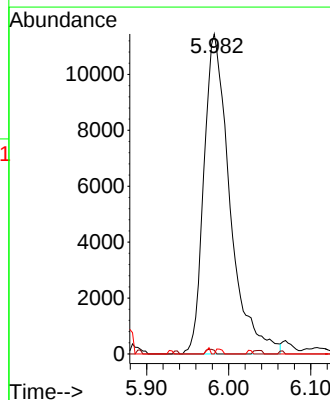
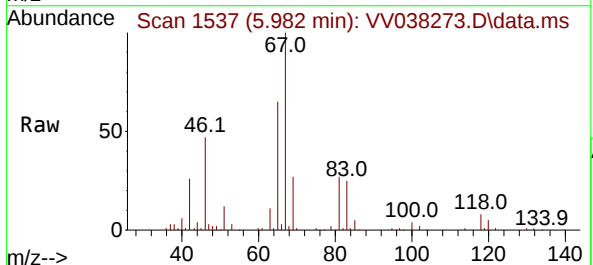
Tgt Ion: 83 Resp: 25167

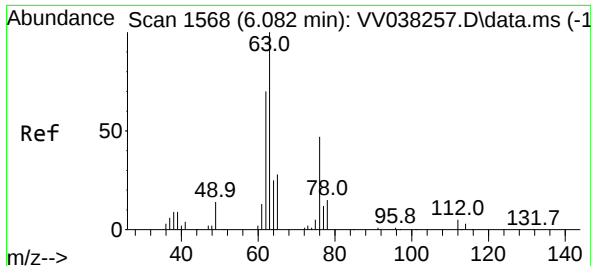
Ion Ratio Lower Upper

83 100

55 0.5 59.7 89.5#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.626 ug/L

RT: 5.979 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV038273.D

Acq: 22 Nov 2024 16:17

Instrument :

MSVOA_V

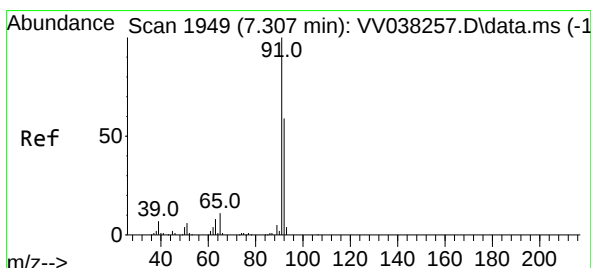
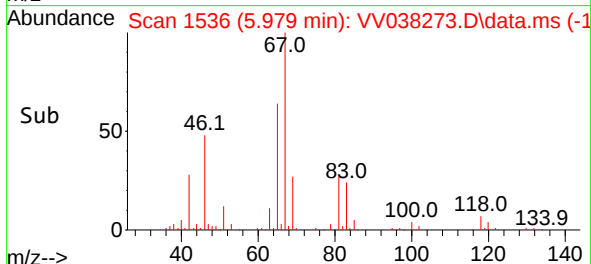
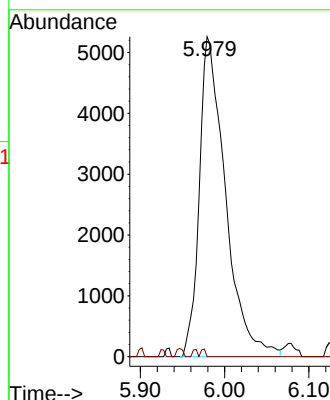
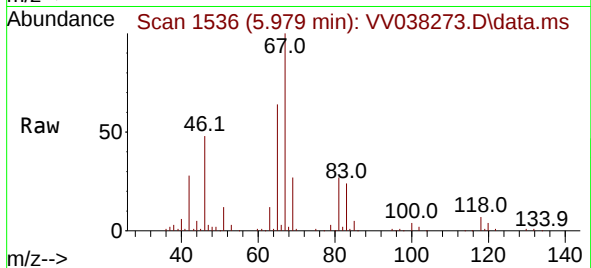
ClientSampleId :

Tgt Ion: 63 Resp: 11337

Ion Ratio Lower Upper

63 100

112 0.4 3.9 5.9#



#42

Toluene

Concen: 0.138 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.022 min

Lab File: VV038273.D

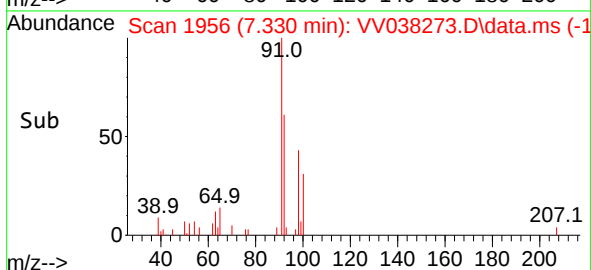
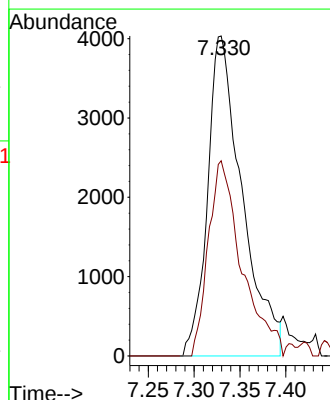
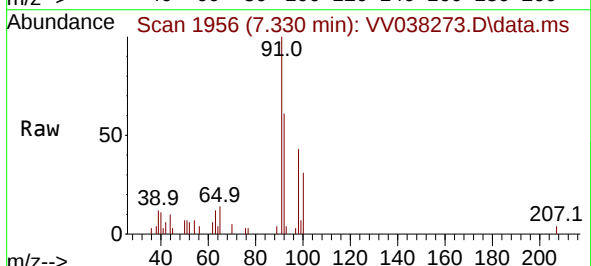
Acq: 22 Nov 2024 16:17

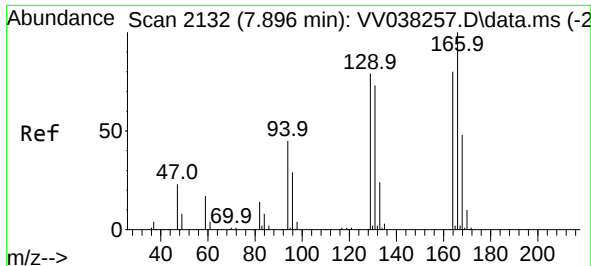
Tgt Ion: 91 Resp: 10581

Ion Ratio Lower Upper

91 100

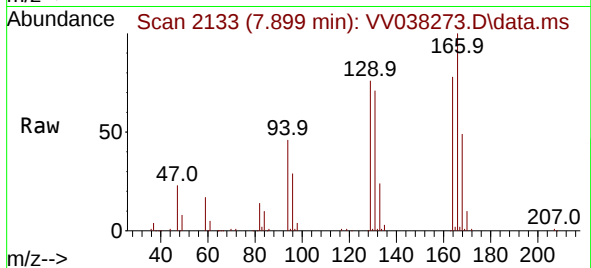
92 61.0 40.8 75.8



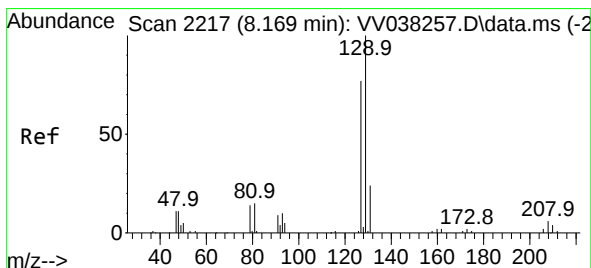
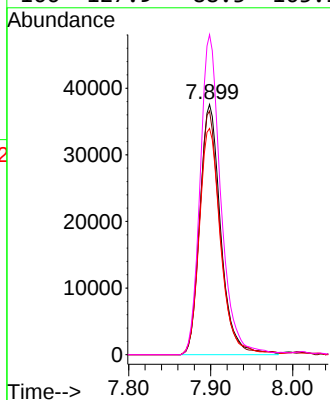
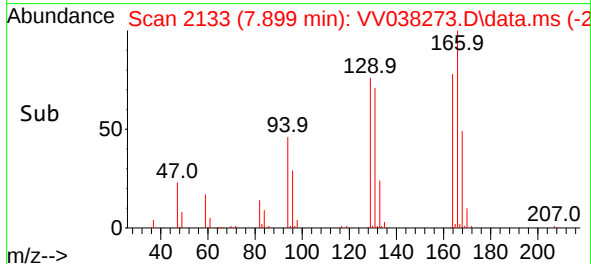


#47
Tetrachloroethene
Concen: 4.183 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Instrument :
MSVOA_V
ClientSampleId :

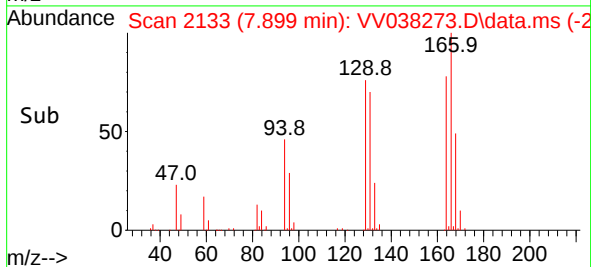
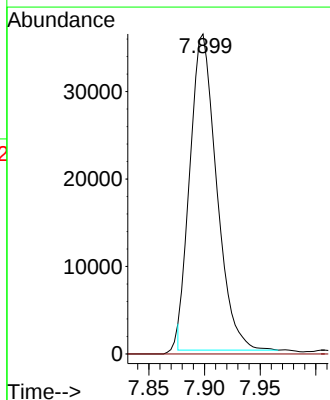
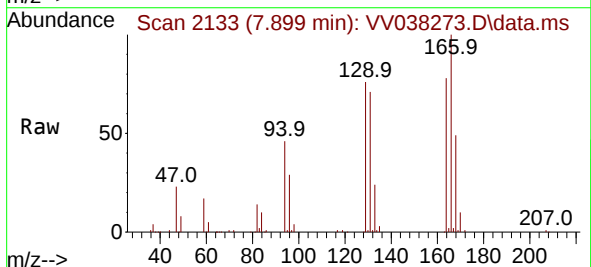


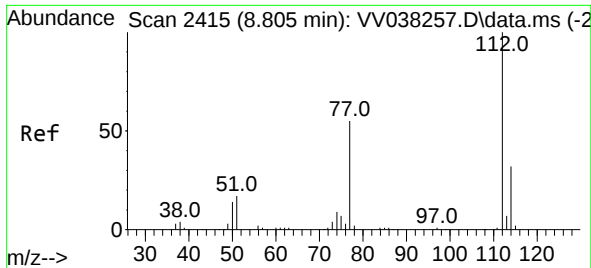
Tgt Ion:	164	Resp:	66260
Ion	Ratio	Lower	Upper
164	100		
129	97.4	68.5	127.1
131	90.4	64.8	120.4
166	127.9	88.3	163.9



#49
Dibromochloromethane
Concen: 3.750 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Tgt Ion:	129	Resp:	60062
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#

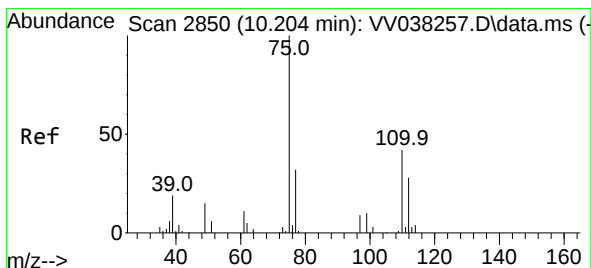
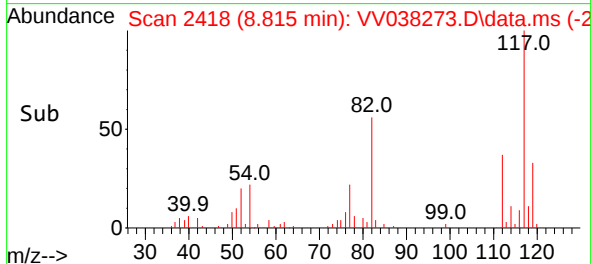
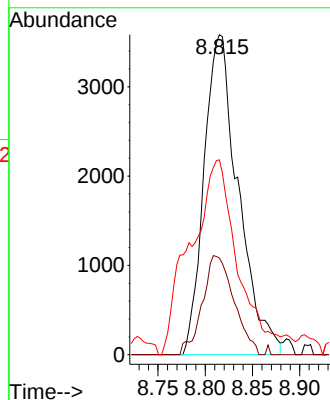
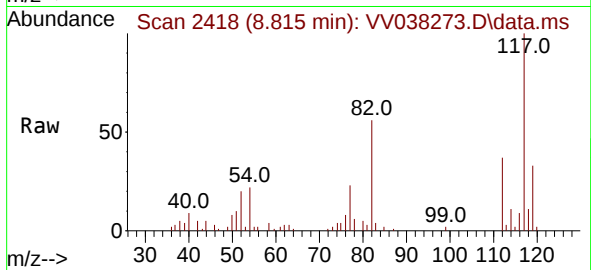




#51
Chlorobenzene
Concen: 0.171 ug/L
RT: 8.815 min Scan# 2415
Delta R.T. 0.010 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:112 Resp: 9049
Ion Ratio Lower Upper
112 100
114 30.2 22.0 40.8
77 60.9 45.0 67.4



#61
1,2,3-Trichloropropane
Concen: 1.371 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038273.D
Acq: 22 Nov 2024 16:17

Tgt Ion: 75 Resp: 12425
Ion Ratio Lower Upper
75 100
77 31.1 26.4 39.6
110 2.3 32.3 48.5

