

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111924\
 Data File : VV038188.D
 Acq On : 19 Nov 2024 19:46
 Operator : SY/MD
 Sample : P4882-15
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J2

Quant Time: Nov 20 00:39:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 22:47:22 2024
 Response via : Initial Calibration

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

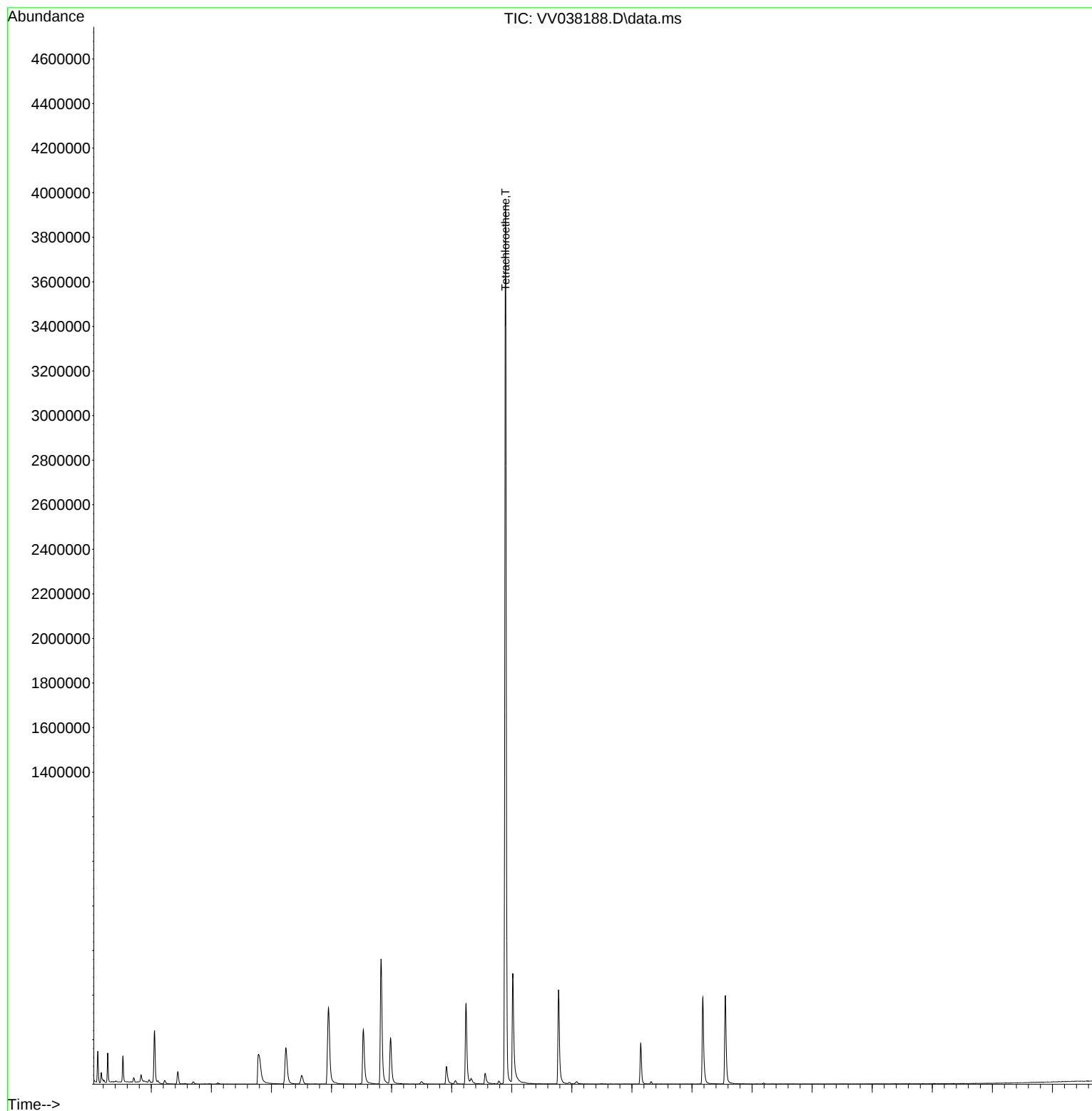
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	236428	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	256363	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	112773	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	81762	4.512	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.529	69	75606	5.158	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.053	65	37688	4.833	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	3.780	46	197858	54.579	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.160%
24) Chloroform-d	4.240	84	180982	5.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.934	65	88960	5.637	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.800%
32) Benzene-d6	4.953	84	323988	4.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	5.982	67	111025	5.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.000%
41) Toluene-d8	7.239	98	262934	4.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.558	79	35060	4.625	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.018	63	192334	65.274	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.540%#
56) 1,1,2,2-Tetrachloroeth...	10.146	84	92932	5.369	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	112005	5.829	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.600%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.105	85	21984	0.983	ug/L	99
3) Chloromethane	1.214	50	6266	0.325	ug/L	96
9) Trichlorofluoromethane	1.709	101	12222	0.393	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	4370	0.247	ug/L	86
12) 1,1-Dichloroethene	2.063	96	4288	0.254	ug/L #	1
16) Methylene chloride	2.442	84	24809	1.288	ug/L	95
17) Methyl tert-butyl Ether	2.703	73	7106	0.186	ug/L #	96
22) cis-1,2-Dichloroethene	3.812	96	30591	1.663	ug/L	98
29) 1,1,1-Trichloroethane	4.503	97	33511	1.090	ug/L	98
34) Trichloroethene	5.825	95	210275	10.712	ug/L	97
42) Toluene	7.323	91	20184	0.265	ug/L	94
47) Tetrachloroethene	7.895	164	878248	55.677	ug/L	99
51) Chlorobenzene	8.818	112	10027	0.191	ug/L	94
65) 1,4-Dichlorobenzene	11.204	146	16331	0.463	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	13315	0.412	ug/L	98

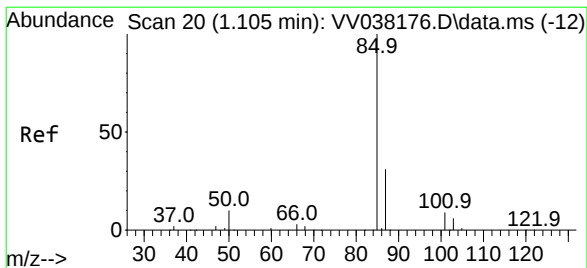
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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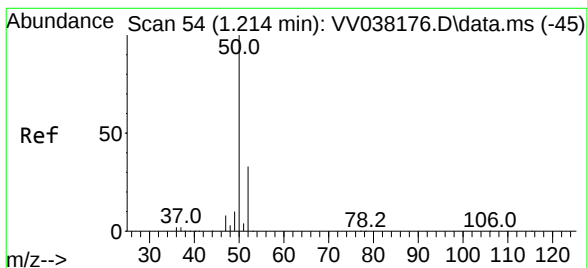
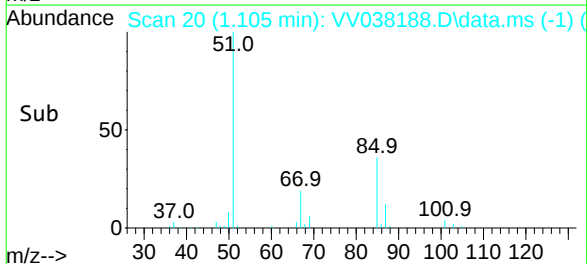
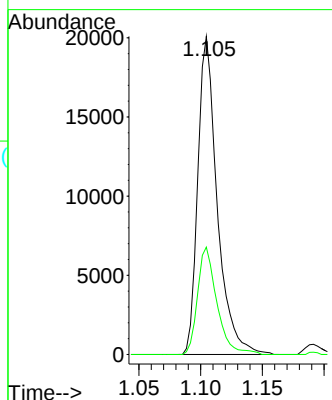
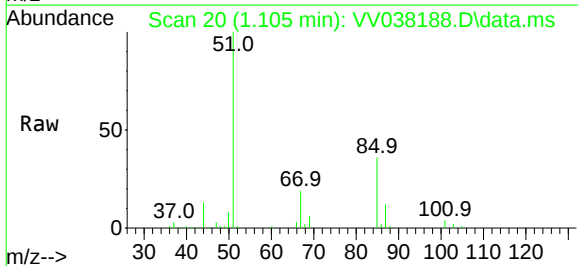




#2
 Dichlorodifluoromethane
 Concen: 0.983 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038188.D
 Acq: 19 Nov 2024 19:46

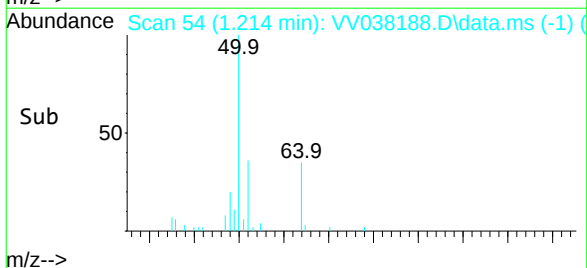
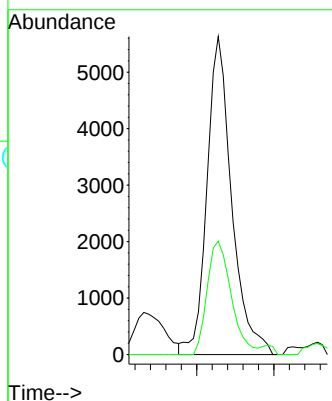
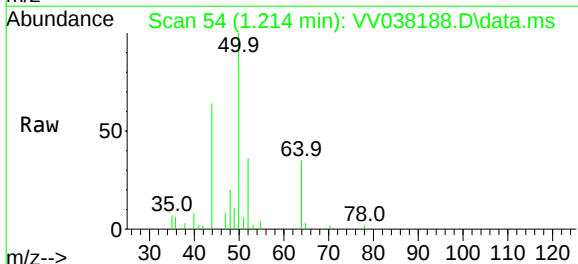
Instrument :
 MSVOA_V
 ClientSampleId :
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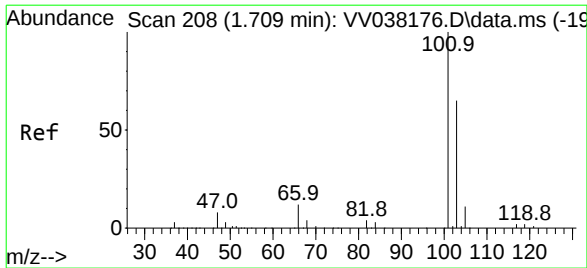
Tgt Ion: 85 Resp: 21984
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.5 39.7



#3
 Chloromethane
 Concen: 0.325 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV038188.D
 Acq: 19 Nov 2024 19:46

Tgt Ion: 50 Resp: 6266
 Ion Ratio Lower Upper
 50 100
 52 35.6 23.5 43.7

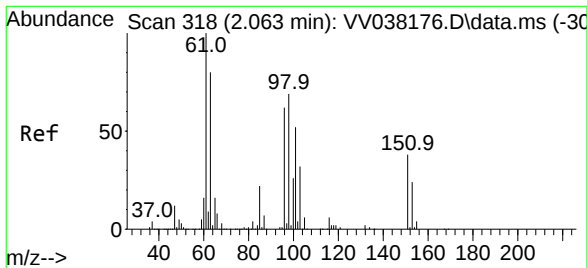
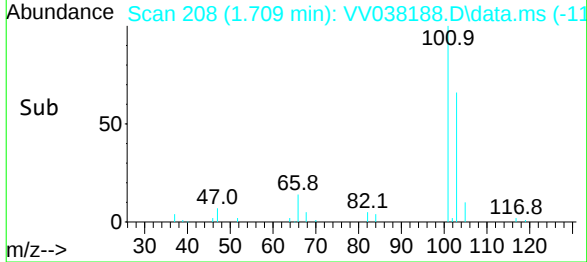
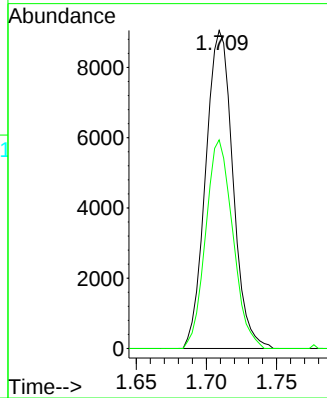
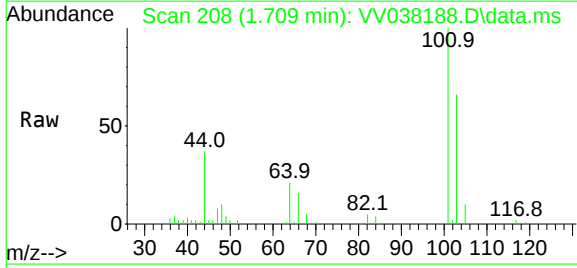




#9
Trichlorofluoromethane
Concen: 0.393 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

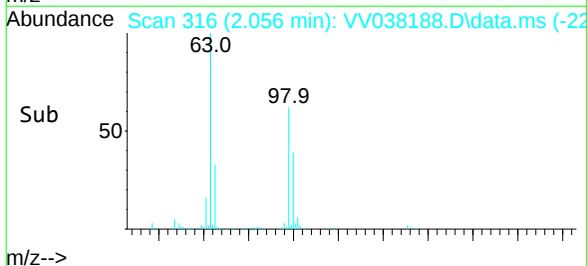
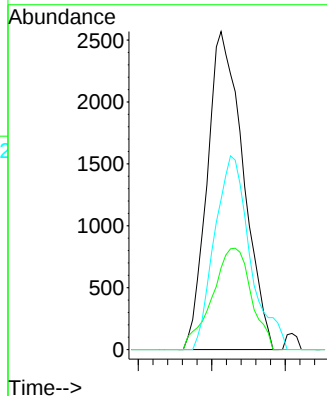
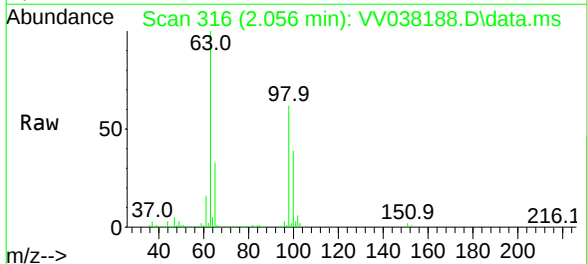
Instrument :
MSVOA_V
ClientSampleId :
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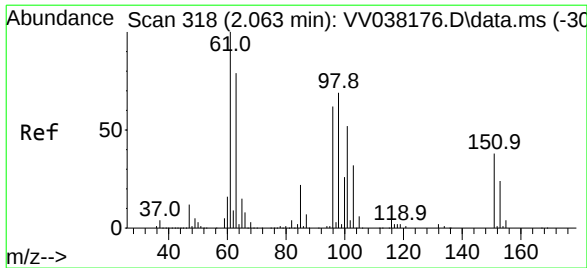
Tgt Ion:101 Resp: 12222
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.247 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.006 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Tgt Ion:101 Resp: 4370
Ion Ratio Lower Upper
101 100
85 34.6 33.4 50.0
151 60.2 58.8 88.2

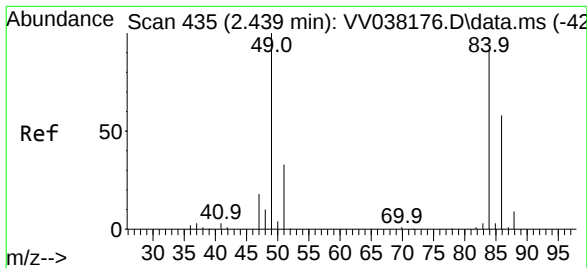
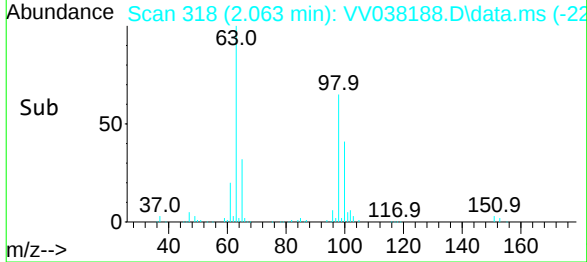
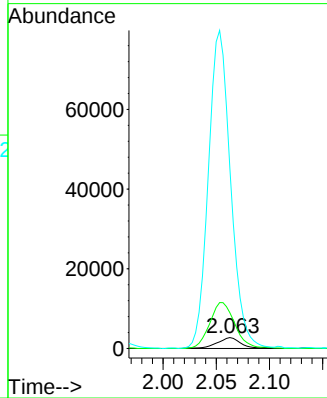
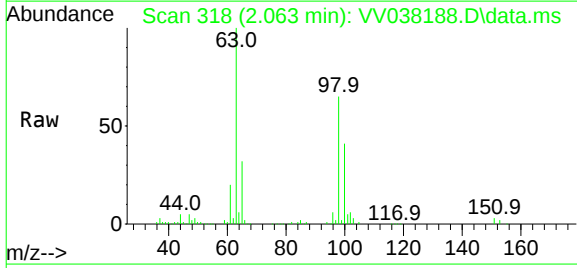




#12
1,1-Dichloroethene
Concen: 0.254 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

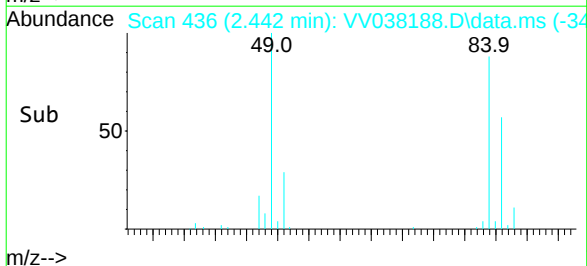
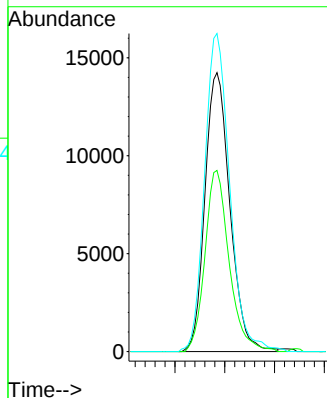
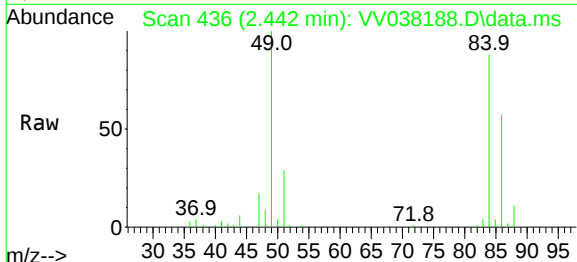
Instrument :
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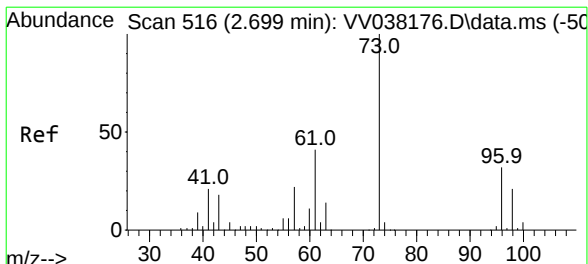
Tgt Ion: 96 Resp: 4288
Ion Ratio Lower Upper
96 100
61 328.3 115.7 214.9#
63 1657.1 101.1 187.7#



#16
Methylene chloride
Concen: 1.288 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

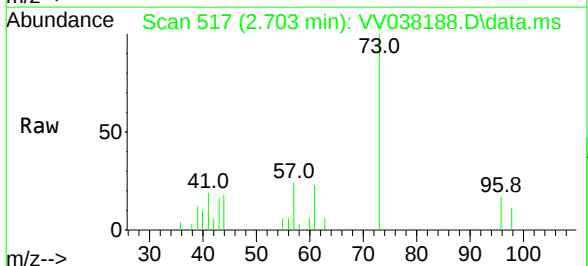
Tgt Ion: 84 Resp: 24809
Ion Ratio Lower Upper
84 100
86 64.9 44.2 82.2
49 114.0 74.9 139.1



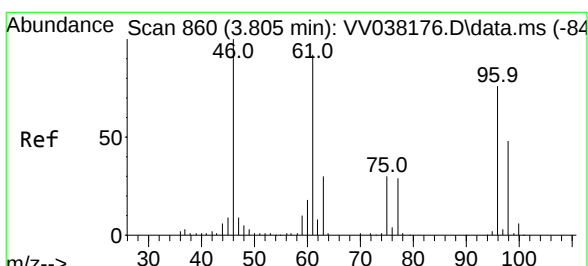
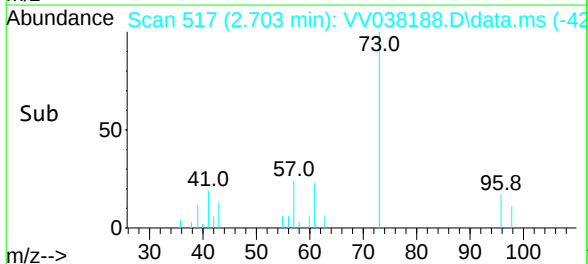
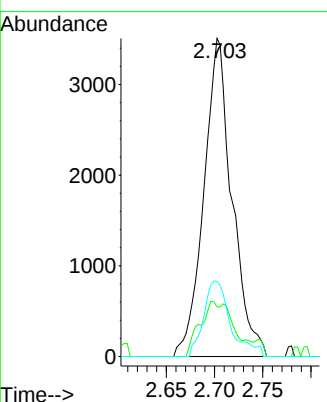


#17
Methyl tert-butyl Ether
Concen: 0.186 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Instrument :
MSVOA_V
ClientSampleId :
BG3J2

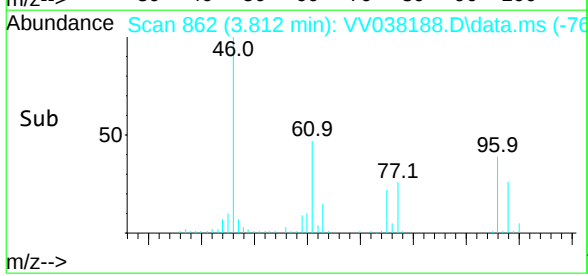
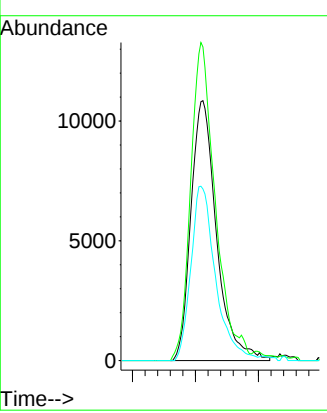
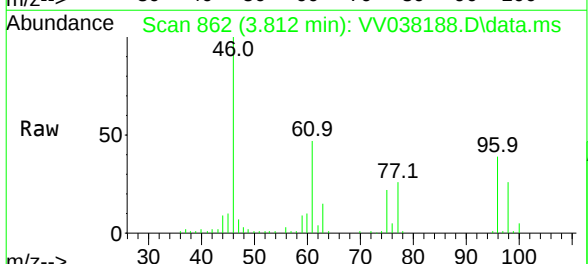


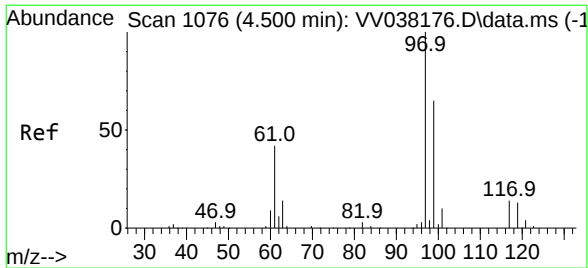
Tgt Ion:	73	Resp:	7106
Ion	Ratio	Lower	Upper
73	100		
43	21.3	14.2	21.2#
57	22.7	17.6	26.4



#22
cis-1,2-Dichloroethene
Concen: 1.663 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.006 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Tgt Ion:	96	Resp:	30591
Ion	Ratio	Lower	Upper
96	100		
61	120.7	82.7	153.5
98	66.0	46.3	85.9

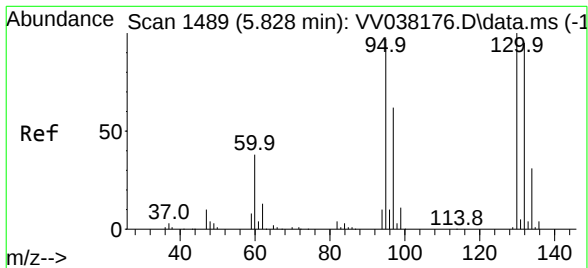
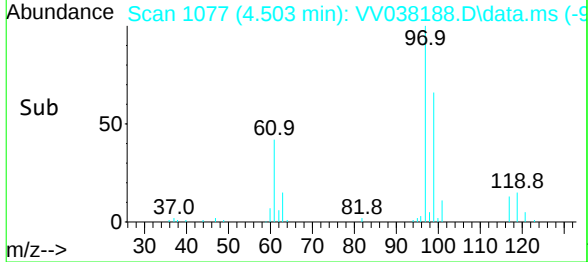
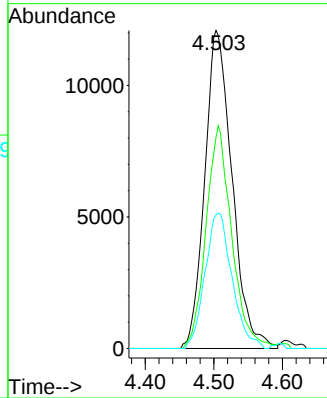
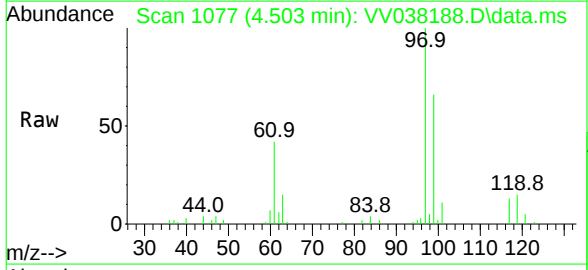




#29
1,1,1-Trichloroethane
Concen: 1.090 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

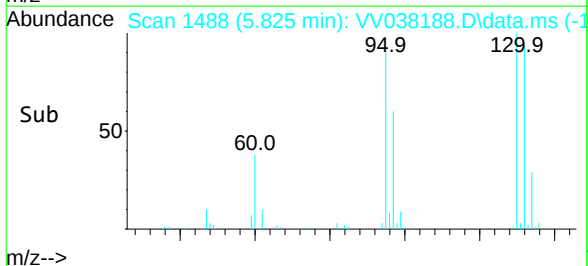
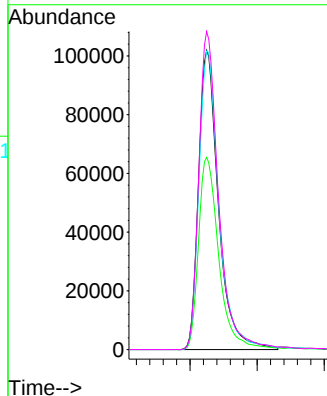
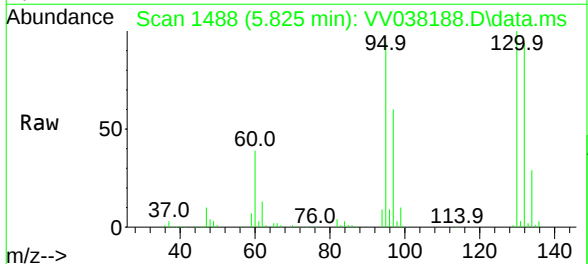
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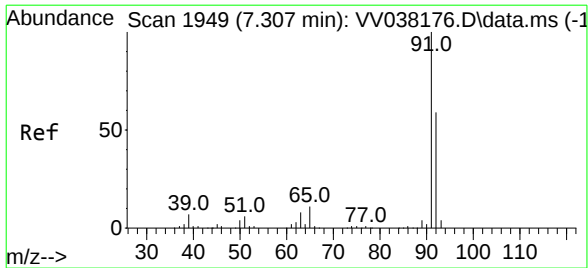
Tgt Ion:	97	Resp:	33511
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.8
61	42.1	32.2	48.2



#34
Trichloroethene
Concen: 10.712 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Tgt Ion:	95	Resp:	210275
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.8	83.2
132	99.7	68.3	126.8
130	106.3	70.2	130.4

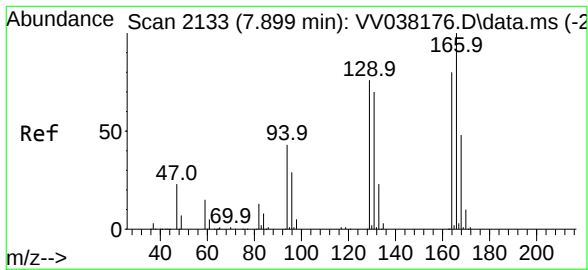
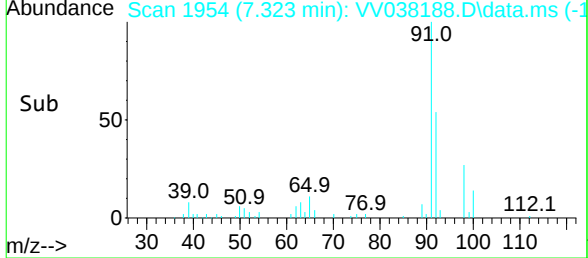
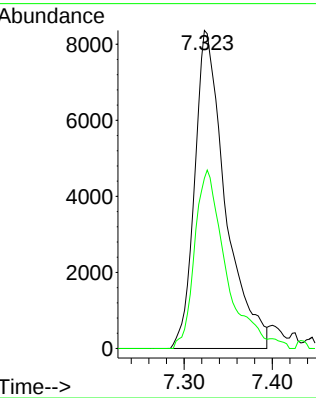
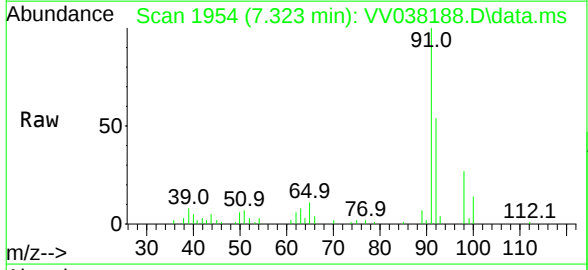




#42
Toluene
Concen: 0.265 ug/L
RT: 7.323 min Scan# 19
Delta R.T. 0.016 min
Lab File: VV038188.D
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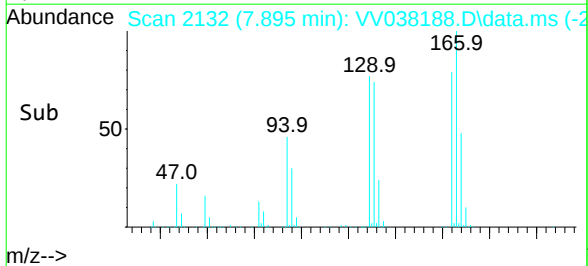
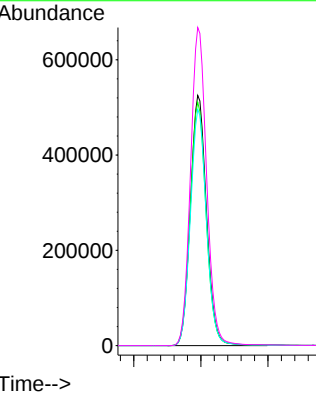
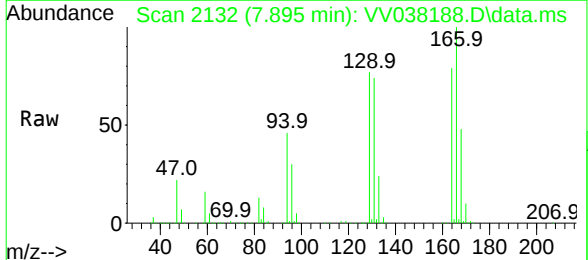
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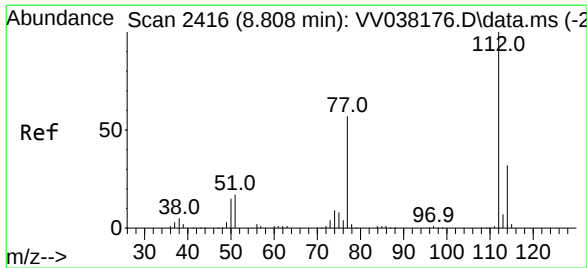
Tgt Ion:	91	Resp:	20184
Ion	Ratio	Lower	Upper
91	100		
92	53.5	40.8	75.8



#47
Tetrachloroethene
Concen: 55.677 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Tgt Ion:	164	Resp:	878248
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.5	127.1
131	94.4	64.8	120.4
166	127.1	88.3	163.9





#51

Chlorobenzene

Concen: 0.191 ug/L

RT: 8.818 min Scan# 2416

Delta R.T. 0.010 min

Lab File: VV038188.D

Acq: 19 Nov 2024 19:46

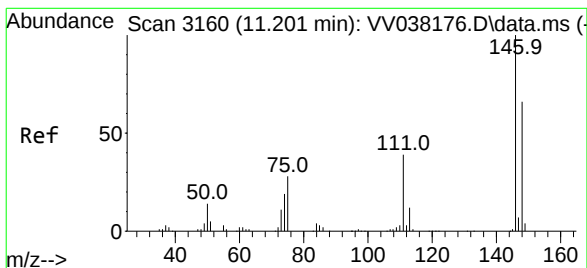
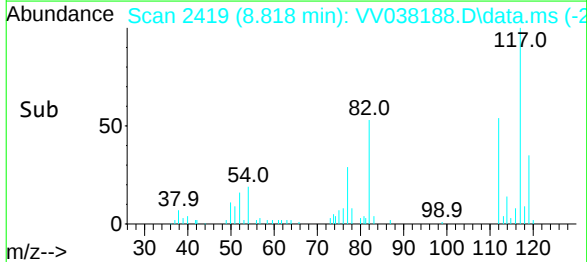
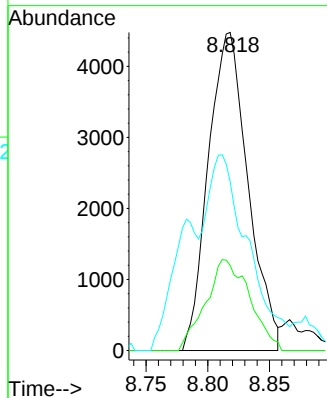
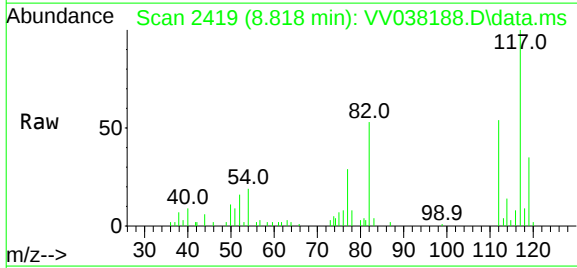
Instrument :

MSVOA_V

ClientSampleId :

BG3J2

Tgt Ion:	112	Resp:	10027
Ion Ratio	Lower	Upper	
112	100		
114	26.8	22.0	40.8
77	53.1	45.0	67.4



#65

1,4-Dichlorobenzene

Concen: 0.463 ug/L

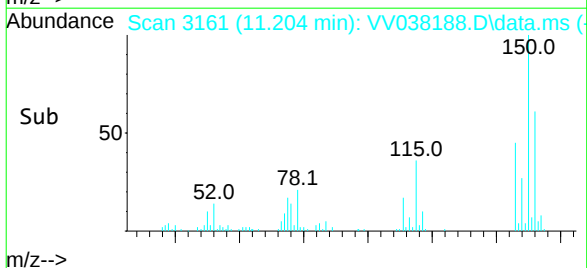
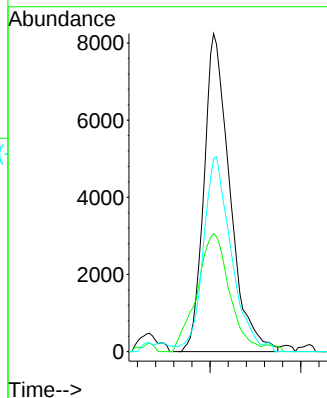
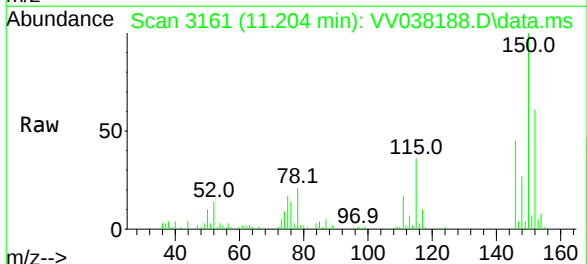
RT: 11.204 min Scan# 3161

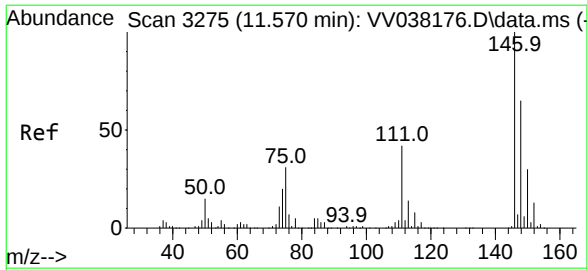
Delta R.T. 0.003 min

Lab File: VV038188.D

Acq: 19 Nov 2024 19:46

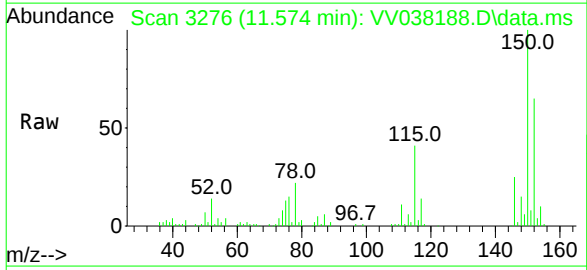
Tgt Ion:	146	Resp:	16331
Ion Ratio	Lower	Upper	
146	100		
111	37.1	27.4	50.8
148	60.6	44.4	82.4





#67
1,2-Dichlorobenzene
Concen: 0.412 ug/L
RT: 11.574 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV038188.D
Acq: 19 Nov 2024 19:46

Instrument :
MSVOA_V
ClientSampleId :
BG3J2



Tgt Ion:	146	Resp:	13315
Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.2	51.2
148	62.0	51.0	76.4

