

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112624\
 Data File : VW038369.D
 Acq On : 26 Nov 2024 17:05
 Operator : SY/MD
 Sample : P4930-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 00:24:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 27 00:19:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	206564	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	223272	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	90258	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	58790	3.713	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.529	69	64171	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.053	65	29396	4.314	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	3.780	46	241645	76.294	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	152.580%#
24) Chloroform-d	4.243	84	179582	5.844	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.800%
26) 1,2-Dichloroethane-d4	4.937	65	93109	6.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.000%#
32) Benzene-d6	4.953	84	299773	5.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	5.982	67	106580	6.002	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.000%
41) Toluene-d8	7.239	98	219874	4.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	7.558	79	34069	5.161	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.200%
46) 2-Hexanone-d5	8.018	63	172739	67.312	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.620%#
56) 1,1,2,2-Tetrachloroeth...	10.146	84	96899	6.428	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.600%#
66) 1,2-Dichlorobenzene-d4	11.554	152	92426	6.010	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	21924	1.122	ug/L	99
5) Vinyl chloride	1.278	62	9600	0.503	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	5513	0.356	ug/L #	65
12) 1,1-Dichloroethene	2.063	96	903899	61.266	ug/L #	67
13) Acetone	2.240	43	16268	6.945	ug/L	58
15) Methyl Acetate	2.240	43	16226	2.852	ug/L #	47
16) Methylene chloride	2.442	84	5809	0.345	ug/L	83
17) Methyl tert-butyl Ether	2.699	73	35975	1.078	ug/L	94
18) trans-1,2-Dichloroethene	2.696	96	4357	0.280	ug/L	98
19) 1,1-Dichloroethane	3.101	63	451257	15.995	ug/L	99
22) cis-1,2-Dichloroethene	3.802	96	284670	17.713	ug/L	98
25) Chloroform	4.272	83	8084	0.268	ug/L	80
27) 1,2-Dichloroethane	5.066	62	2215	0.135	ug/L #	94
29) 1,1,1-Trichloroethane	4.503	97	341500	12.753	ug/L	98
31) Carbon tetrachloride	4.503	117	43853	1.856	ug/L	99
34) Trichloroethene	5.821	95	363733	21.275	ug/L	99
35) Methylcyclohexane	5.982	83	26404	1.092	ug/L #	19
42) Toluene	7.336	91	5518	0.083	ug/L	96
47) Tetrachloroethene	7.899	164	63395	4.615	ug/L	99

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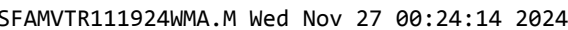
Instrument :
MSVOA_V
ClientSampleId :

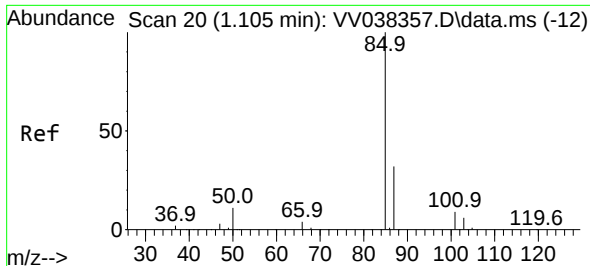
Quant Time: Nov 27 00:24:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 27 00:19:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	7.899	129	60634	4.365	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

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

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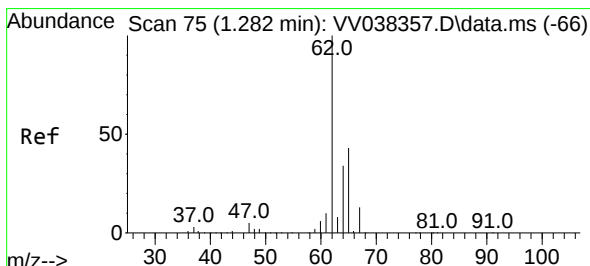
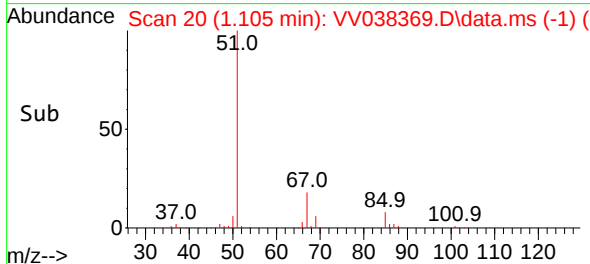
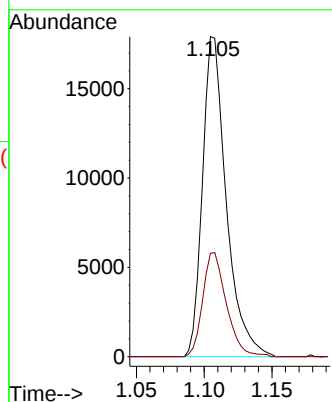
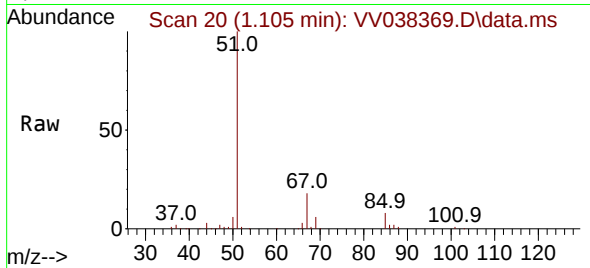




#2
 Dichlorodifluoromethane
 Concen: 1.122 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV038369.D
 Acq: 26 Nov 2024 17:05

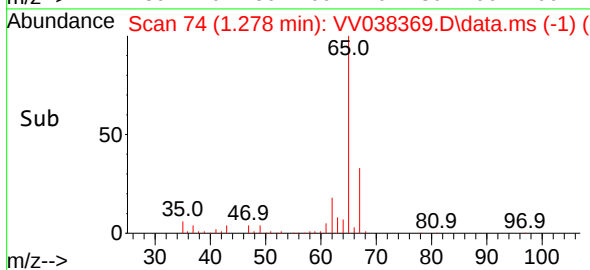
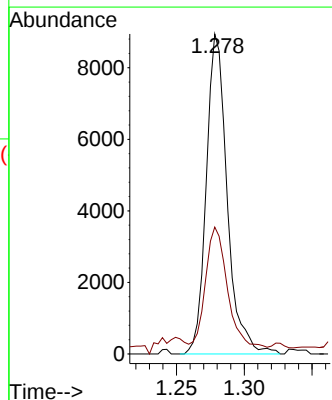
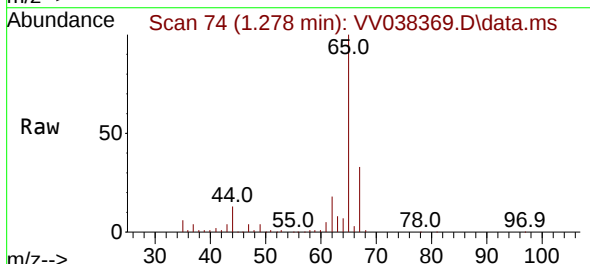
Instrument :
 MSVOA_V
 ClientSampleId :

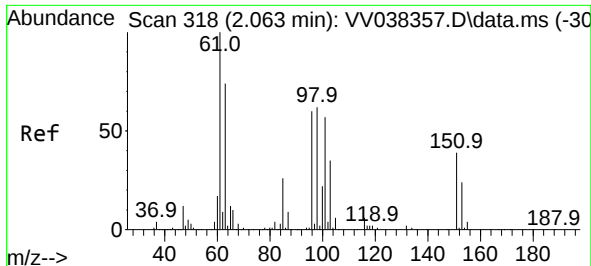
Tgt Ion: 85 Resp: 21924
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.5 39.7



#5
 Vinyl chloride
 Concen: 0.503 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV038369.D
 Acq: 26 Nov 2024 17:05

Tgt Ion: 62 Resp: 9600
 Ion Ratio Lower Upper
 62 100
 64 39.7 24.4 45.4

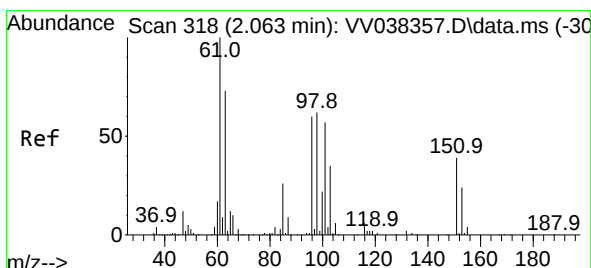
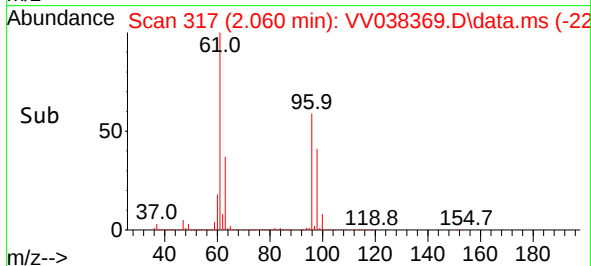
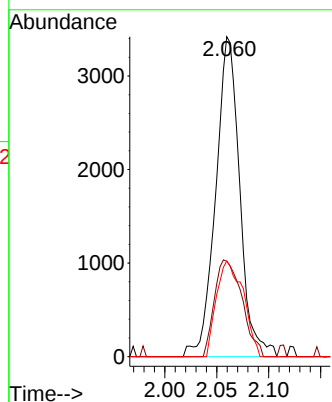
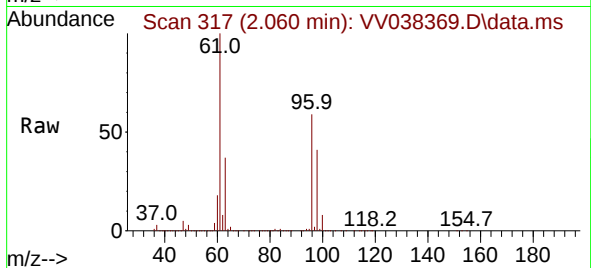




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.356 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

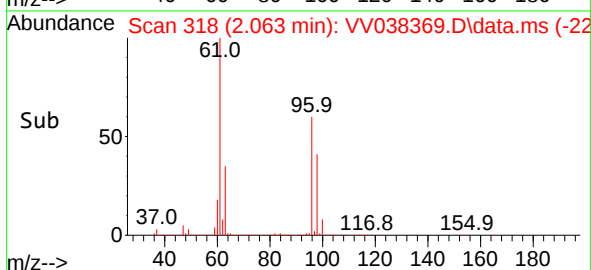
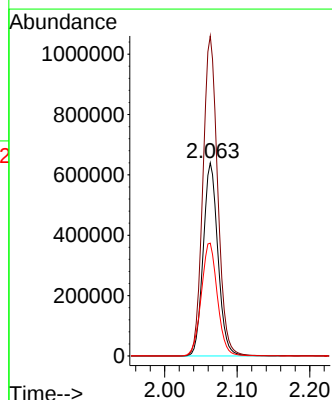
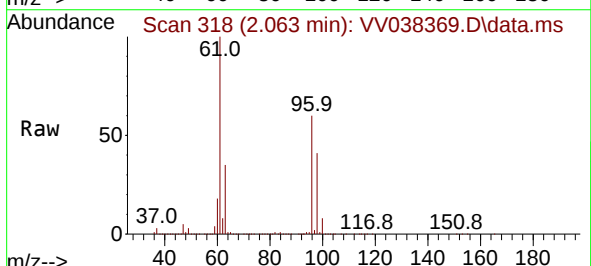
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MSVOA_V
ClientSampleId :

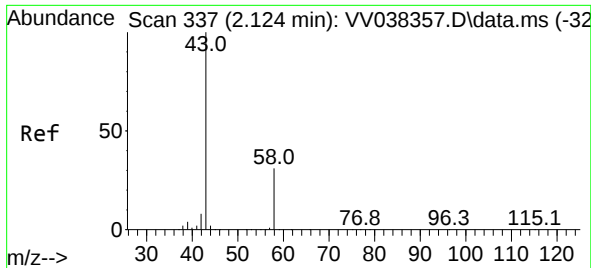
Tgt Ion:101 Resp: 5513
Ion Ratio Lower Upper
101 100
85 34.5 33.4 50.0
151 33.1 58.8 88.2#



#12
1,1-Dichloroethene
Concen: 61.266 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Tgt Ion: 96 Resp: 903899
Ion Ratio Lower Upper
96 100
61 165.8 115.7 214.9
63 58.4 101.1 187.7#





#13

Acetone

Concen: 6.945 ug/L

RT: 2.240 min Scan# 31

Delta R.T. 0.116 min

Lab File: VV038369.D

Acq: 26 Nov 2024 17:05

Instrument :

MSVOA_V

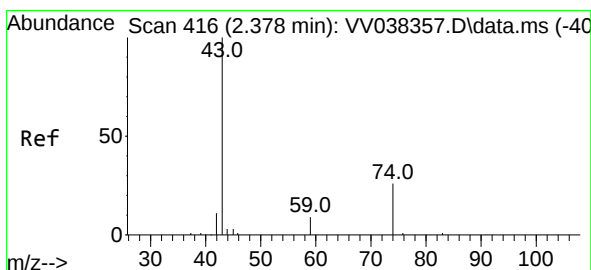
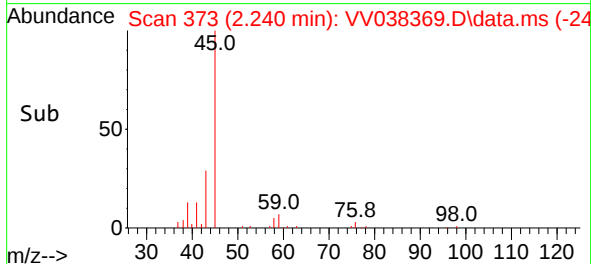
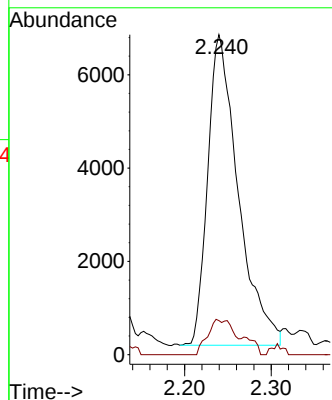
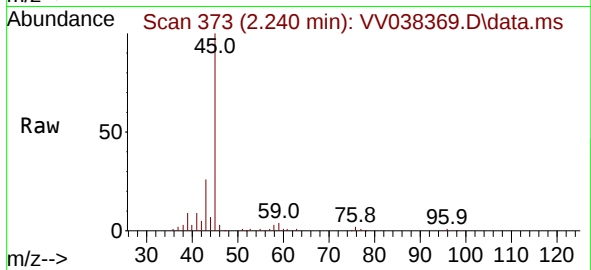
ClientSampleId :

Tgt Ion: 43 Resp: 16268

Ion Ratio Lower Upper

43 100

58 9.8 0.0 67.2



#15

Methyl Acetate

Concen: 2.852 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.138 min

Lab File: VV038369.D

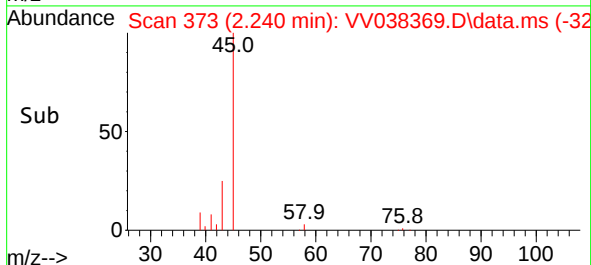
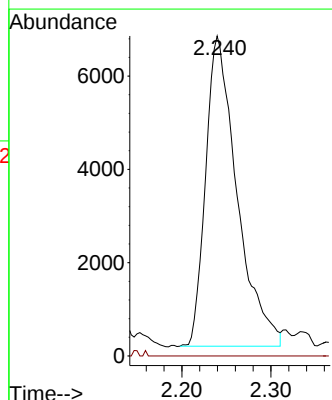
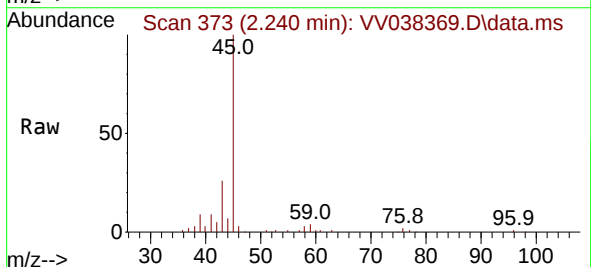
Acq: 26 Nov 2024 17:05

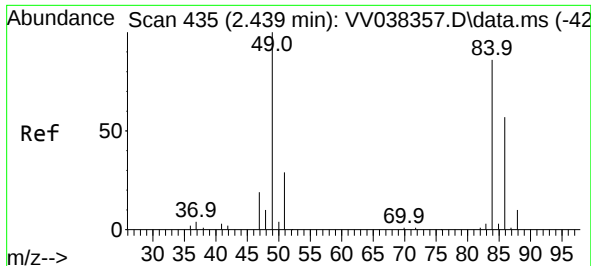
Tgt Ion: 43 Resp: 16226

Ion Ratio Lower Upper

43 100

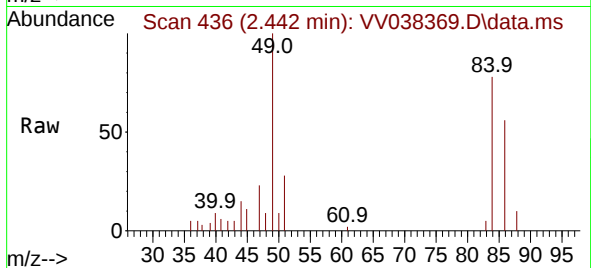
74 0.1 22.4 33.6#





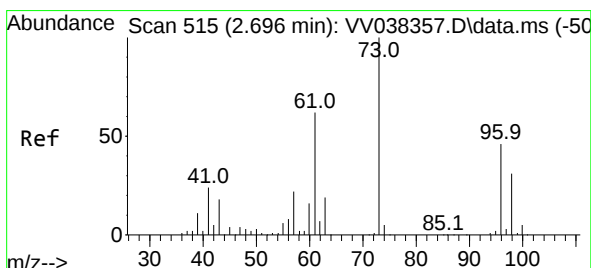
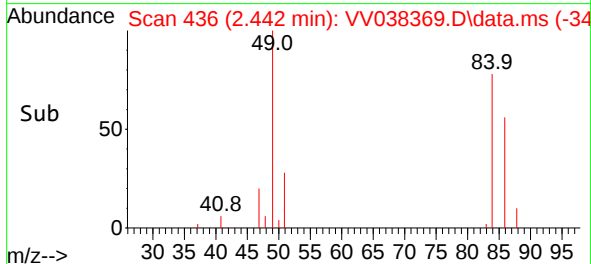
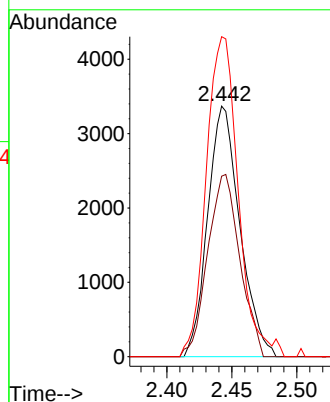
#16
Methylene chloride
Concen: 0.345 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 5809

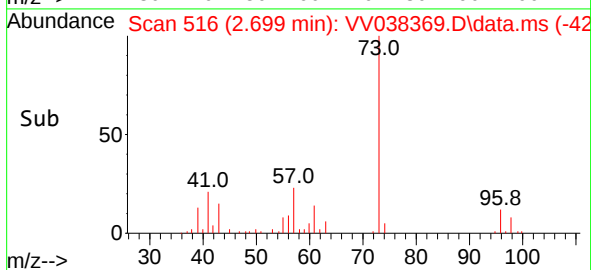
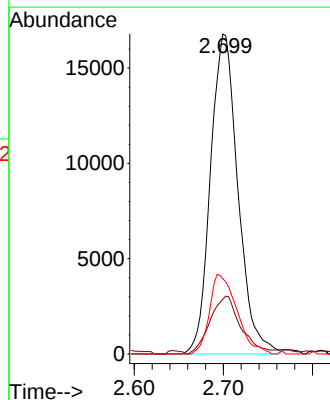
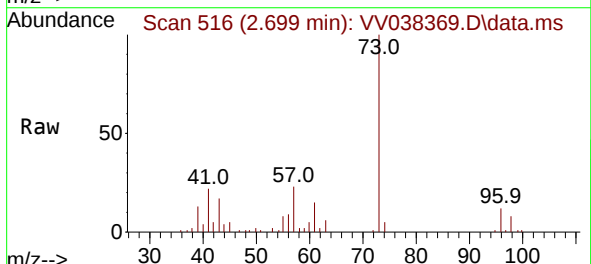
Ion	Ratio	Lower	Upper
84	100		
86	72.0	44.2	82.2
49	127.7	74.9	139.1

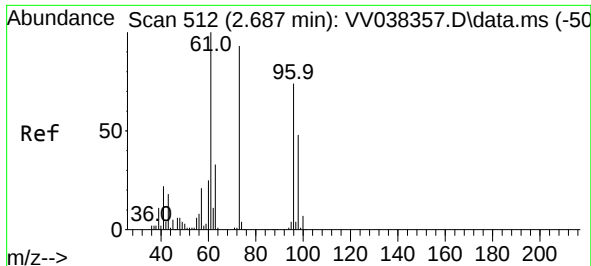


#17
Methyl tert-butyl Ether
Concen: 1.078 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Tgt Ion: 73 Resp: 35975

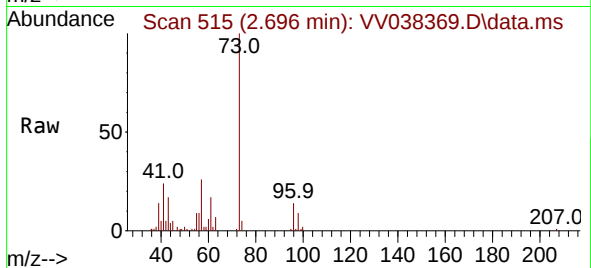
Ion	Ratio	Lower	Upper
73	100		
43	20.1	14.2	21.2
57	24.7	17.6	26.4



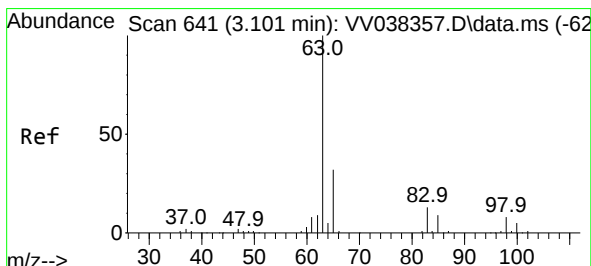
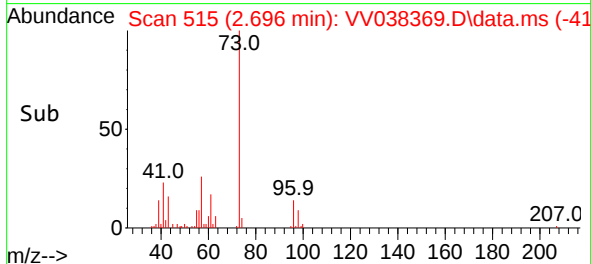
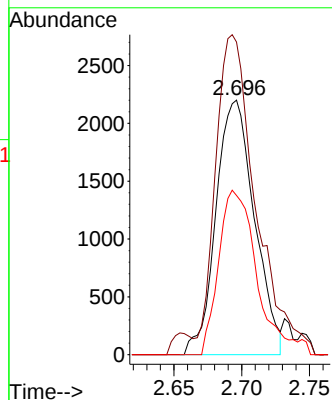


#18
trans-1,2-Dichloroethene
Concen: 0.280 ug/L
RT: 2.696 min Scan# 512
Delta R.T. 0.009 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :

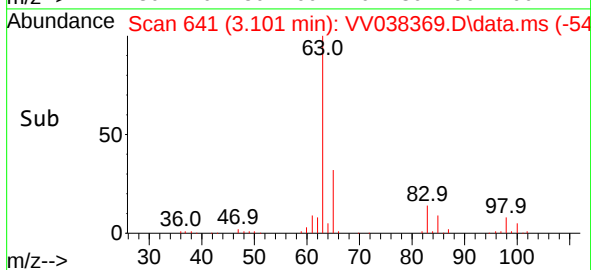
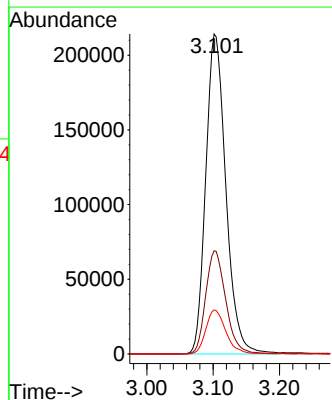
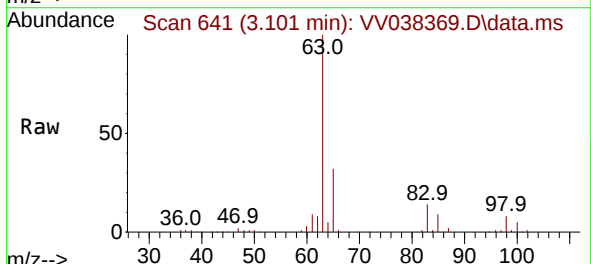


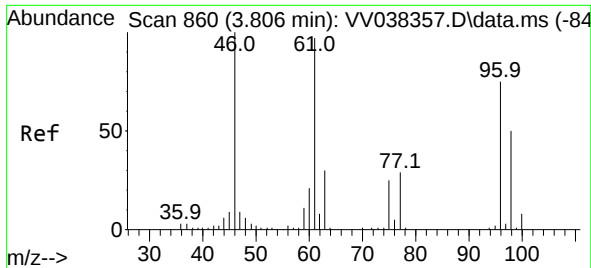
Tgt Ion: 96 Resp: 4357
Ion Ratio Lower Upper
96 100
61 122.9 88.5 164.4
98 62.6 43.9 81.5



#19
1,1-Dichloroethane
Concen: 15.995 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.000 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Tgt Ion: 63 Resp: 451257
Ion Ratio Lower Upper
63 100
65 32.3 22.5 41.7
83 13.8 10.1 18.9

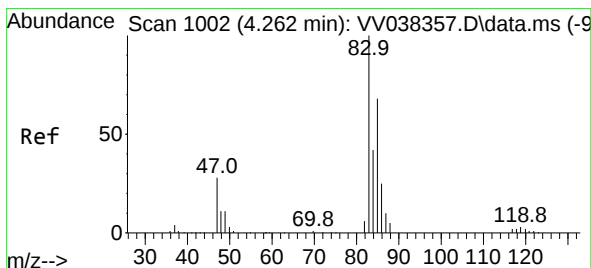
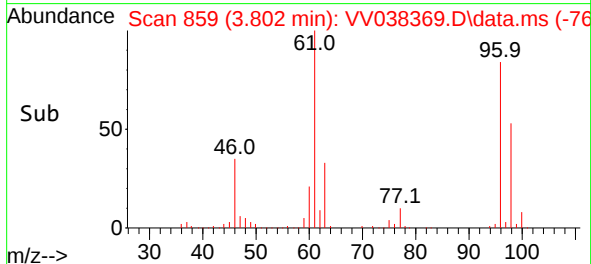
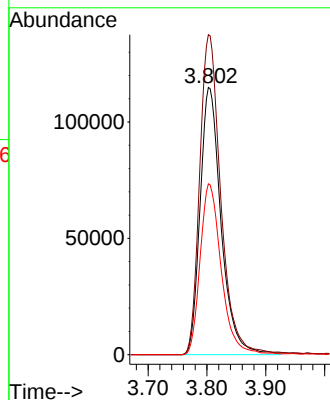
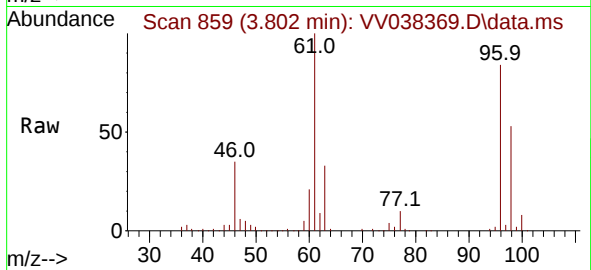




#22
 cis-1,2-Dichloroethene
 Concen: 17.713 ug/L
 RT: 3.802 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV038369.D
 Acq: 26 Nov 2024 17:05

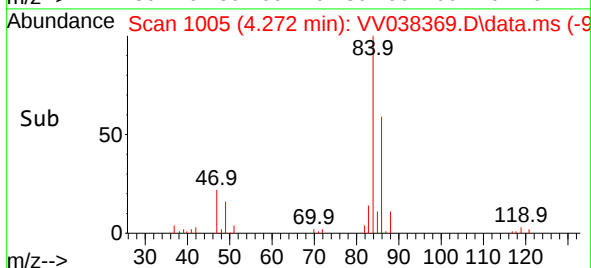
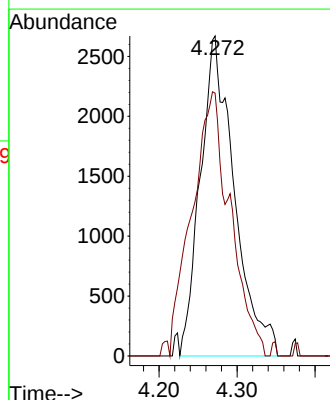
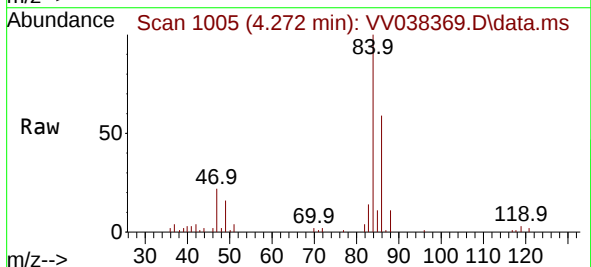
Instrument :
 MSVOA_V
 ClientSampleId :

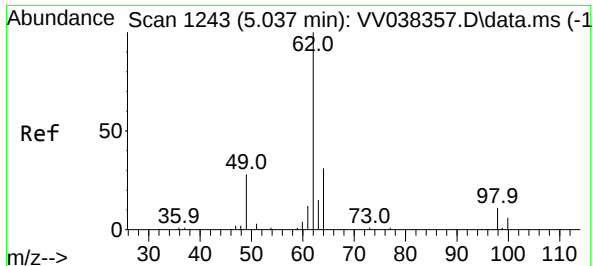
Tgt Ion: 96 Resp: 284670
 Ion Ratio Lower Upper
 96 100
 61 119.7 82.7 153.5
 98 64.0 46.3 85.9



#25
 Chloroform
 Concen: 0.268 ug/L
 RT: 4.272 min Scan# 1005
 Delta R.T. 0.009 min
 Lab File: VV038369.D
 Acq: 26 Nov 2024 17:05

Tgt Ion: 83 Resp: 8084
 Ion Ratio Lower Upper
 83 100
 85 82.1 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.135 ug/L

RT: 5.066 min Scan# 11

Delta R.T. 0.029 min

Lab File: VV038369.D

Acq: 26 Nov 2024 17:05

Instrument :

MSVOA_V

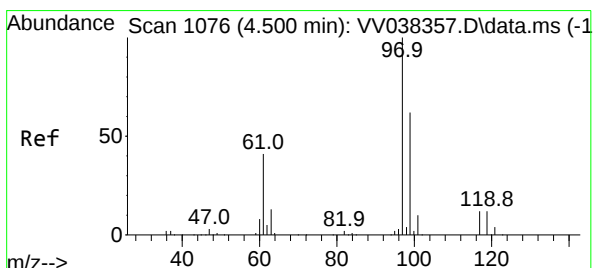
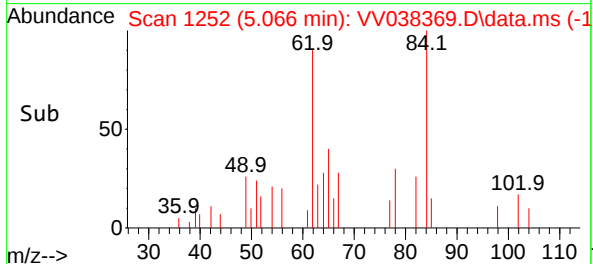
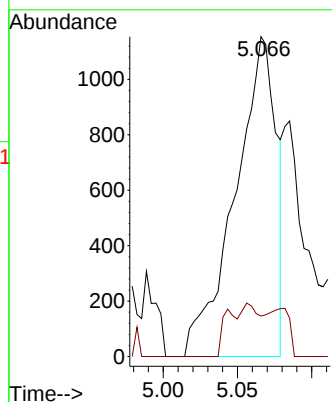
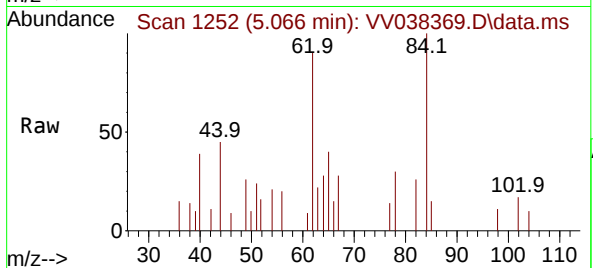
ClientSampleId :

Tgt Ion: 62 Resp: 2215

Ion Ratio Lower Upper

62 100

98 12.7 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 12.753 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038369.D

Acq: 26 Nov 2024 17:05

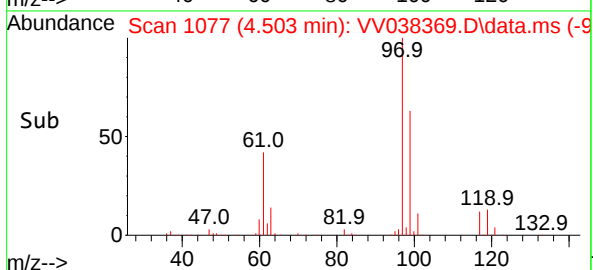
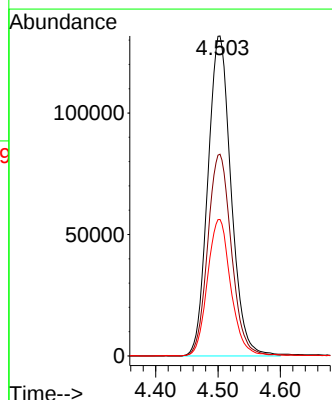
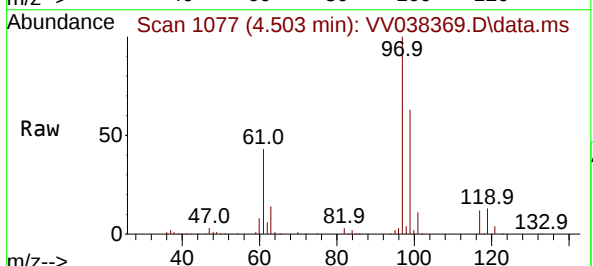
Tgt Ion: 97 Resp: 341500

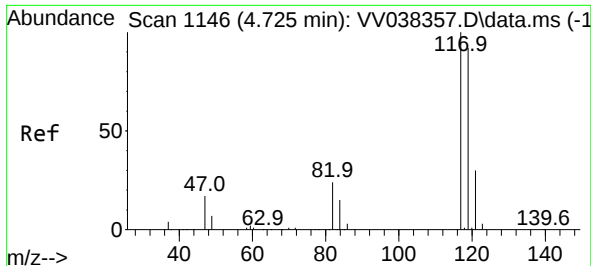
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

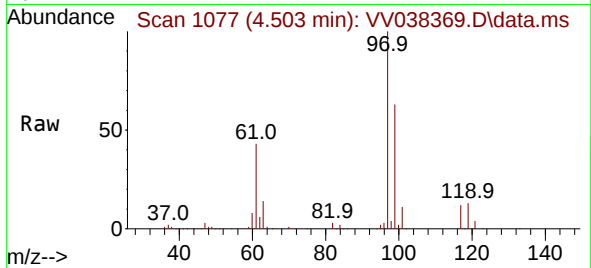
61 42.8 32.2 48.2



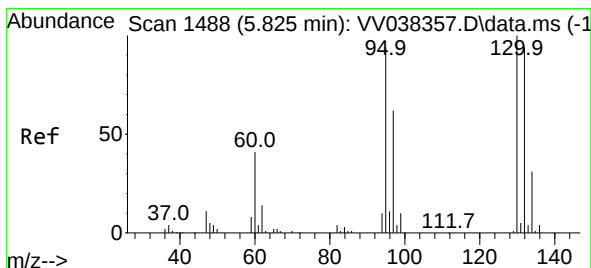
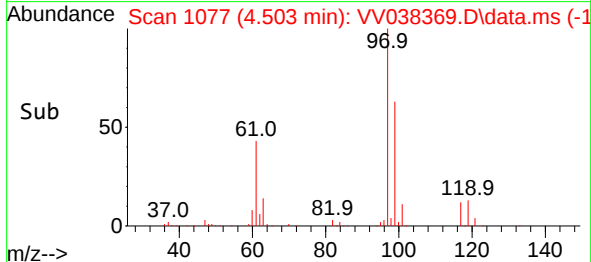
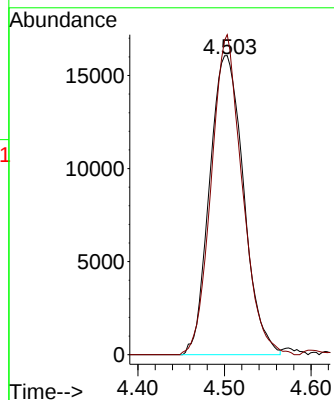


#31
Carbon tetrachloride
Concen: 1.856 ug/L
RT: 4.503 min Scan# 1146
Delta R.T. -0.222 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :

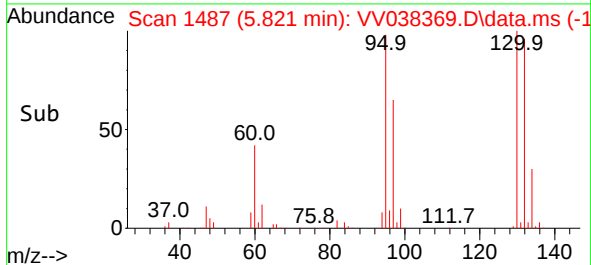
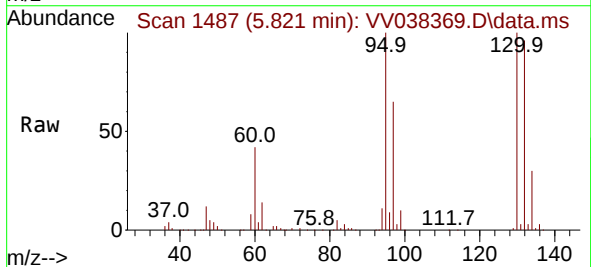
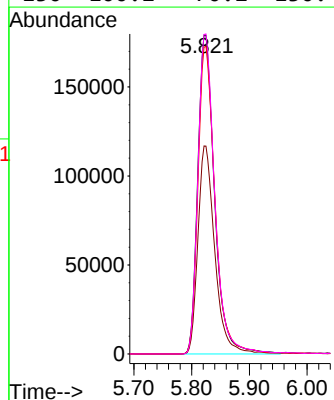


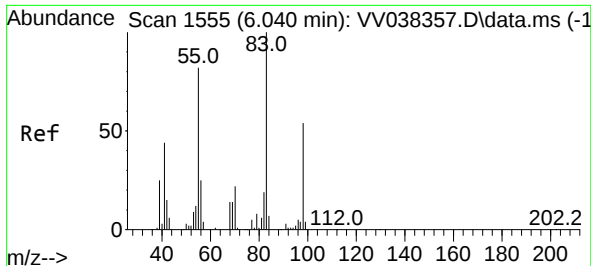
Tgt Ion:117 Resp: 43853
Ion Ratio Lower Upper
117 100
119 97.5 77.4 116.2



#34
Trichloroethene
Concen: 21.275 ug/L
RT: 5.821 min Scan# 1487
Delta R.T. -0.003 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Tgt Ion: 95 Resp: 363733
Ion Ratio Lower Upper
95 100
97 65.2 44.8 83.2
132 96.2 68.3 126.8
130 100.2 70.2 130.4





#35

Methylcyclohexane

Concen: 1.092 ug/L

RT: 5.982 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV038369.D

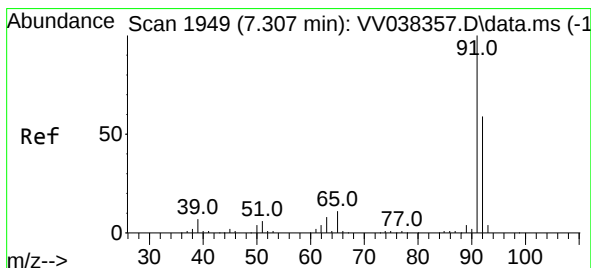
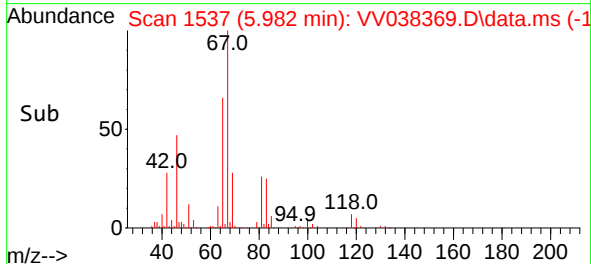
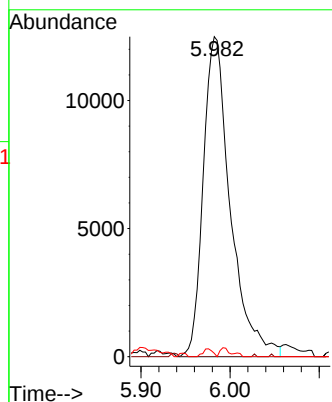
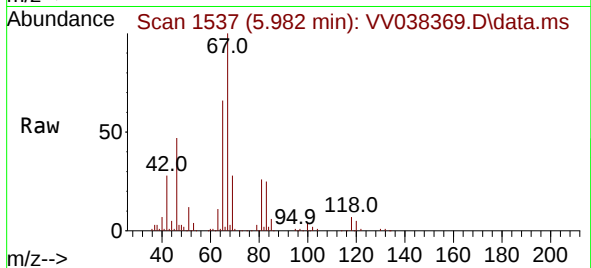
Acq: 26 Nov 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 26404
Ion Ratio	Lower Upper
83 100	
55 0.1	59.7 89.5#
98 0.0	39.0 58.4#



#42

Toluene

Concen: 0.083 ug/L

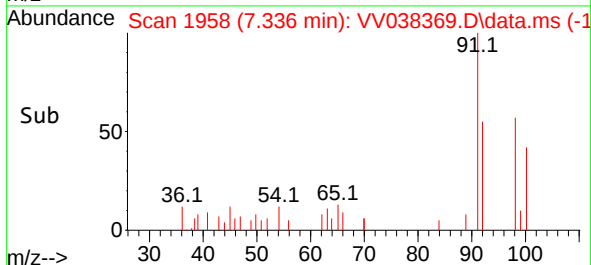
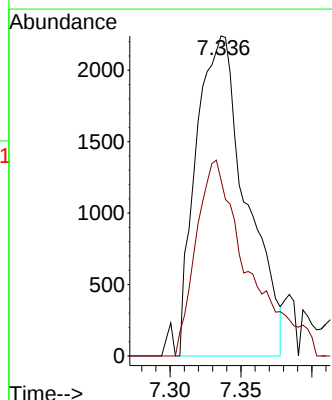
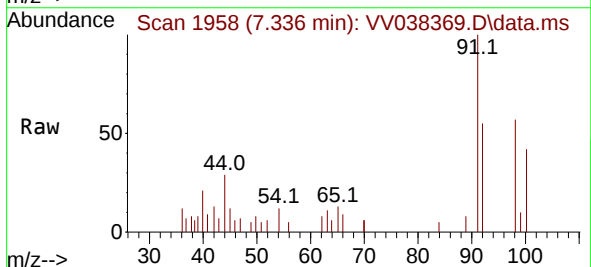
RT: 7.336 min Scan# 1958

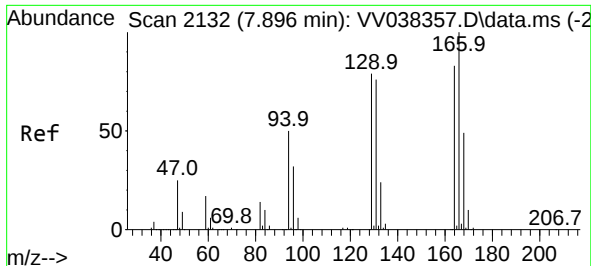
Delta R.T. 0.029 min

Lab File: VV038369.D

Acq: 26 Nov 2024 17:05

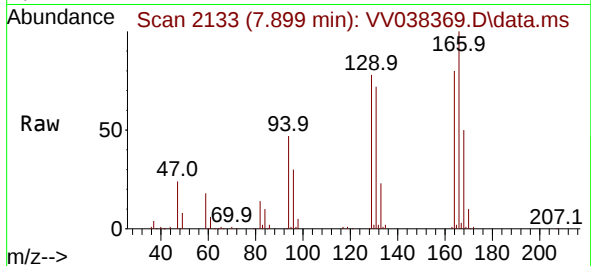
Tgt Ion: 91	Resp: 5518
Ion Ratio	Lower Upper
91 100	
92 55.0	40.8 75.8



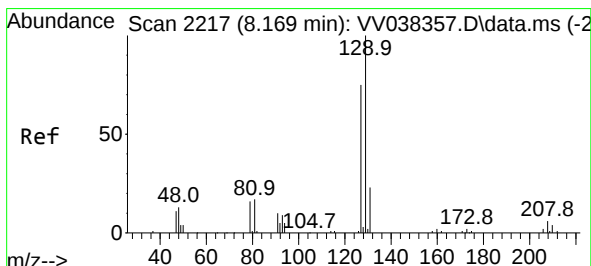
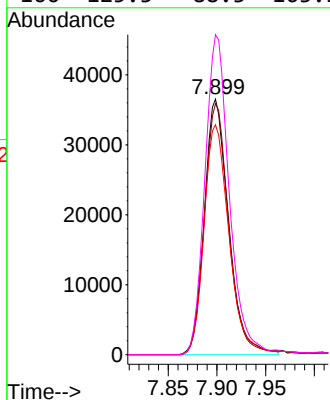
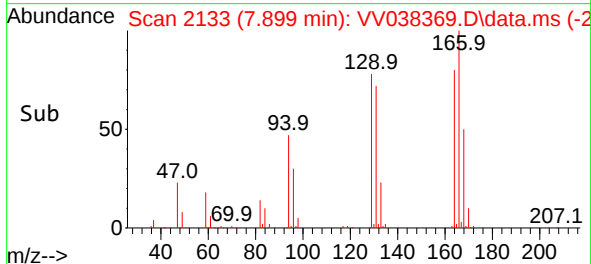


#47
Tetrachloroethene
Concen: 4.615 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 63395
Ion Ratio Lower Upper
164 100
129 98.3 68.5 127.1
131 90.0 64.8 120.4
166 125.3 88.3 163.9



#49
Dibromochloromethane
Concen: 4.365 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038369.D
Acq: 26 Nov 2024 17:05

Tgt Ion:129 Resp: 60634
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

