

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033023\
 Data File : VD075544.D
 Acq On : 30 Mar 2023 12:59
 Operator : KP/SY
 Sample : 02121-15RE
 Misc : 4.03G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 31 01:29:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 31 01:28:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	40063	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	9682	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	1247	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	56266	56.563	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 226.240%#	
7) Chloroethane-d5	2.805	69	70719	82.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 328.600%#	
11) 1,1-Dichloroethene-d2	3.922	63	31167	33.543	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 134.160%#	
21) 2-Butanone-d5	6.981	46	15280	165.758	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 331.520%#	
24) Chloroform-d	7.569	84	97858	93.205	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 372.840%#	
26) 1,2-Dichloroethane-d4	8.234	65	22603	49.694	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 198.760%#	
32) Benzene-d6	8.204	84	130987	227.806	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 911.240%#	
36) 1,2-Dichloropropane-d6	9.210	67	59484	366.023	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 1464.080%#	
41) Toluene-d8	10.269	98	35505	67.687	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 270.760%#	
43) trans-1,3-Dichloroprop...	10.522	79	1526	22.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 91.920%	
47) 2-Hexanone-d5	10.881	63	8119	346.305	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 692.620%#	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	37562	276.312	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 1105.240%#	
66) 1,2-Dichlorobenzene-d4	13.822	152	2182	50.024	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 200.080%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.287	62	22912	17.577	ug/L	95
6) Bromomethane	2.705	94	808	1.308	ug/L	83
13) Acetone	4.022	43	745	7.154	ug/L	70
16) Methylene chloride	4.816	84	1058	1.250	ug/L	87
20) cis-1,2-Dichloroethene	7.087	96	2250	3.130	ug/L	81
22) 2-Butanone	7.069	43	179	1.355	ug/L #	38
27) 1,2-Dichloroethane	8.198	62	445	0.703	ug/L #	71
29) Cyclohexane	7.881	56	213	1.028	ug/L #	38
30) 1,1,1-Trichloroethane	7.793	97	937	3.599	ug/L #	79
34) Trichloroethene	9.022	95	1262	6.945	ug/L	79
35) Methylcyclohexane	9.275	83	834	2.940	ug/L #	49
37) 1,2-Dichloropropane	9.210	63	6178	36.132	ug/L #	86
39) cis-1,3-Dichloropropene	9.981	75	168	0.642	ug/L #	44
48) 2-Hexanone	10.904	43	61	1.264	ug/L #	32
60) Isopropylbenzene	12.898	105	85	0.405	ug/L #	54
61) 1,2,3-Trichloropropane	13.516	75	171	6.841	ug/L #	37
62) 1,3,5-Trimethylbenzene	12.910	105	55	0.349	ug/L #	27
63) 1,2,4-Trimethylbenzene	12.910	105	55	0.357	ug/L #	29
71) Naphthalene	15.333	128	300	3.234	ug/L #	69

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Quant Title : SFAM01.0
QLast Update : Fri Mar 31 01:28:39 2023
Response via : Initial Calibration

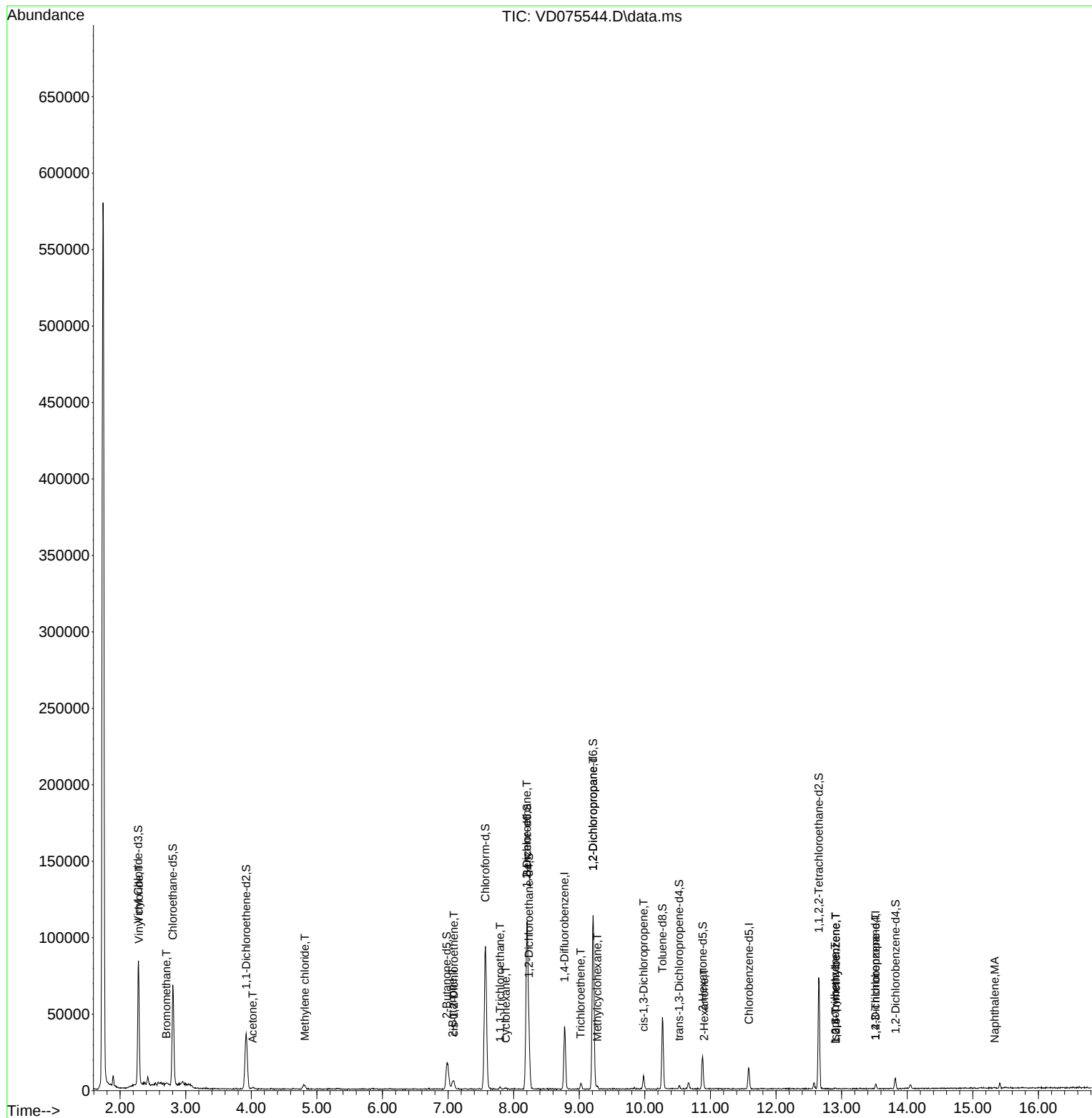
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

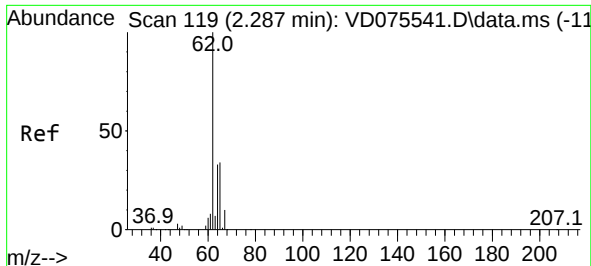
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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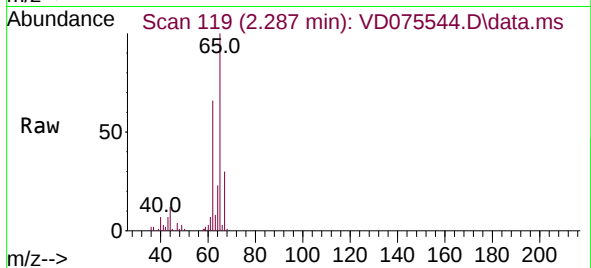
Quant Time: Mar 31 01:29:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
Quant Title : SFAM01.0
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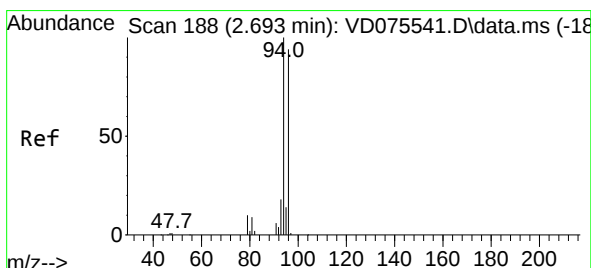
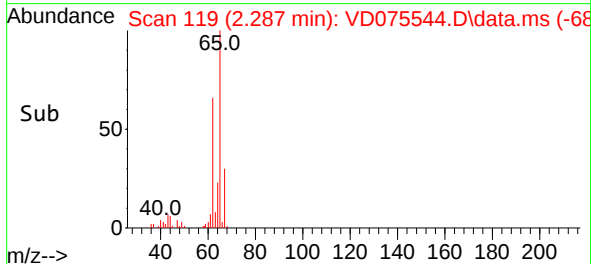
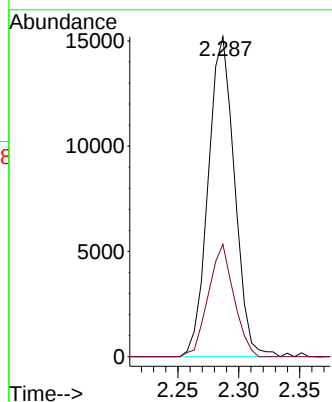


#5
 Vinyl chloride
 Concen: 17.577 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VD075544.D
 Acq: 30 Mar 2023 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

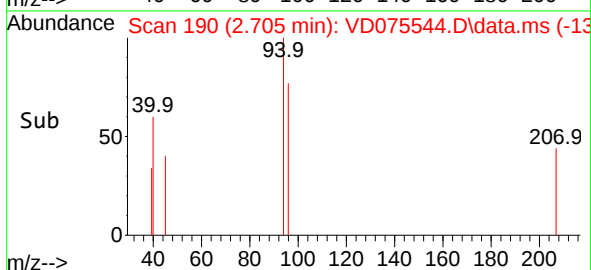
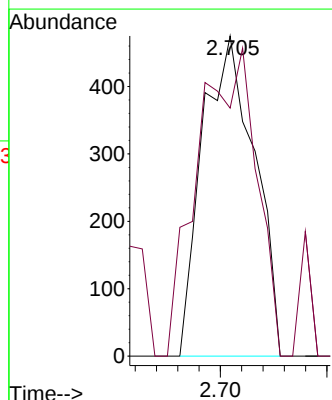
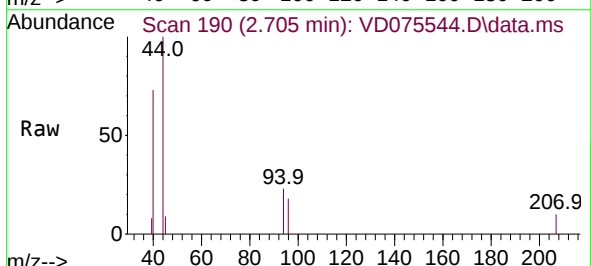


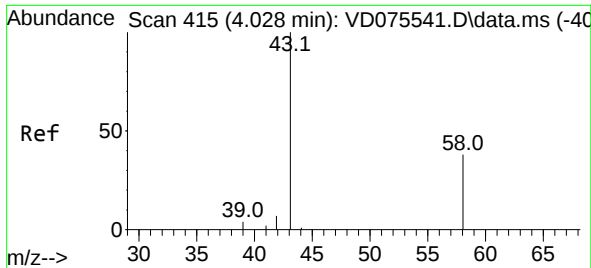
Tgt Ion: 62 Resp: 22912
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.7 42.3



#6
 Bromomethane
 Concen: 1.308 ug/L
 RT: 2.705 min Scan# 190
 Delta R.T. 0.012 min
 Lab File: VD075544.D
 Acq: 30 Mar 2023 12:59

Tgt Ion: 94 Resp: 808
 Ion Ratio Lower Upper
 94 100
 96 77.5 65.9 122.5





#13

Acetone

Concen: 7.154 ug/L

RT: 4.022 min Scan# 415

Delta R.T. -0.006 min

Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

Instrument :

MSVOA_D

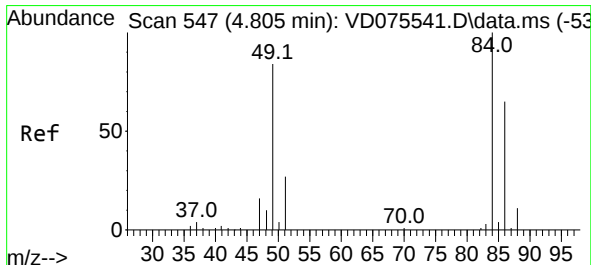
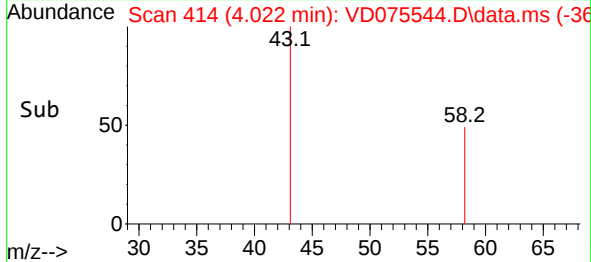
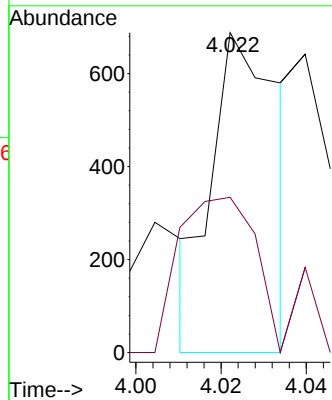
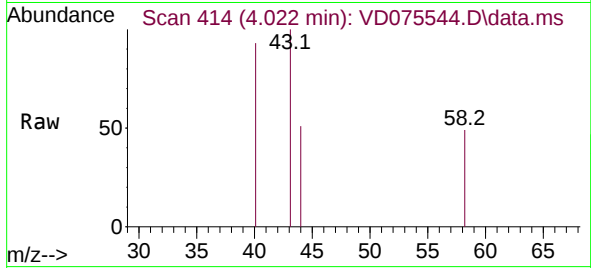
ClientSampleId :

Tgt Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

58 56.0 0.0 75.4



#16

Methylene chloride

Concen: 1.250 ug/L

RT: 4.816 min Scan# 549

Delta R.T. 0.012 min

Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

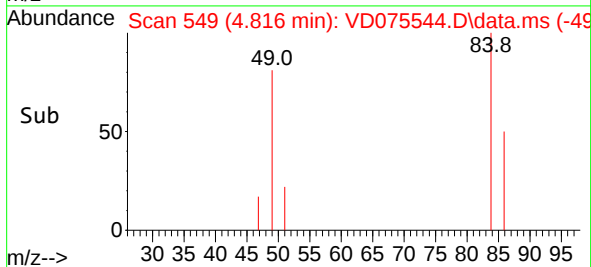
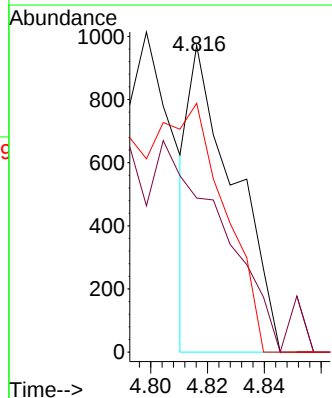
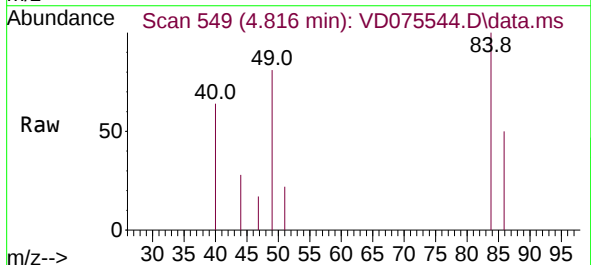
Tgt Ion: 84 Resp: 1058

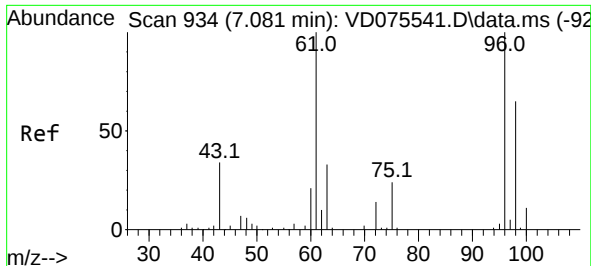
Ion Ratio Lower Upper

84 100

86 50.3 44.2 82.2

49 81.2 63.6 118.2

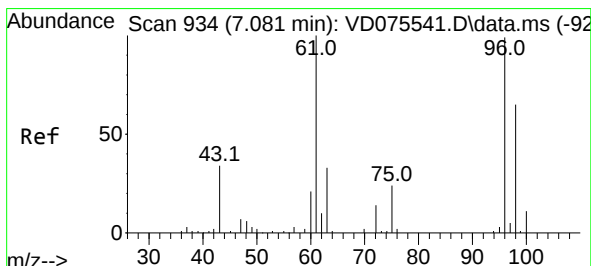
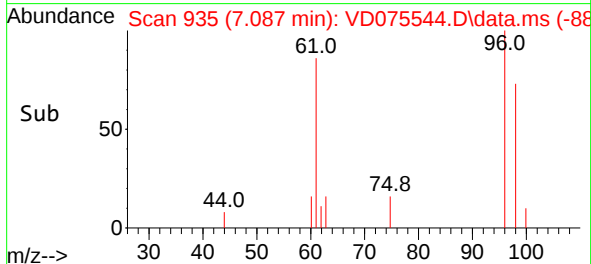
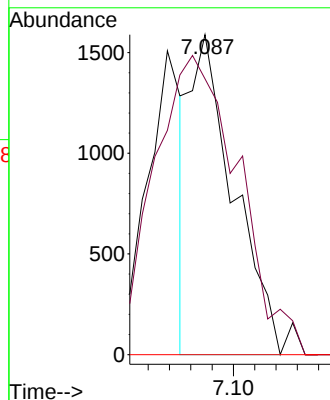
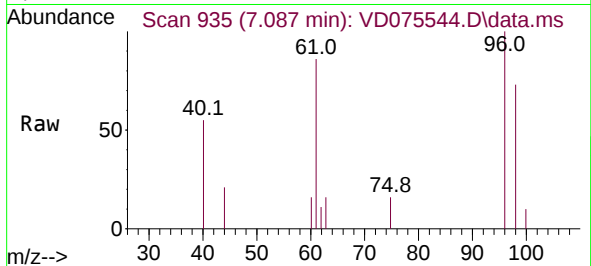




#20
 cis-1,2-Dichloroethene
 Concen: 3.130 ug/L
 RT: 7.087 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD075544.D
 Acq: 30 Mar 2023 12:59

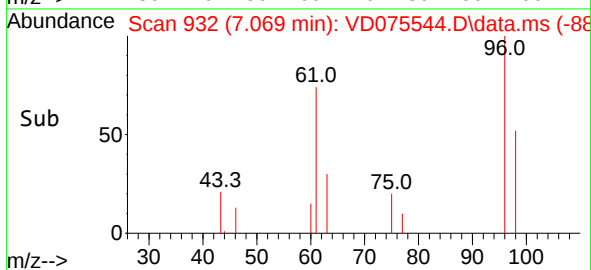
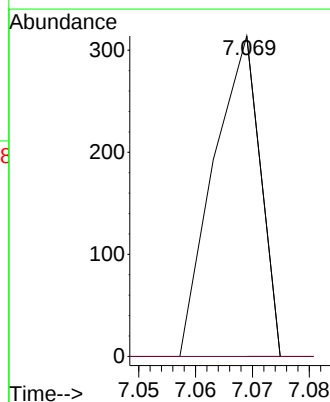
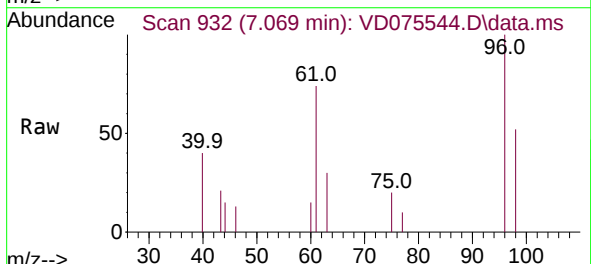
Instrument :
 MSVOA_D
 ClientSampleId :

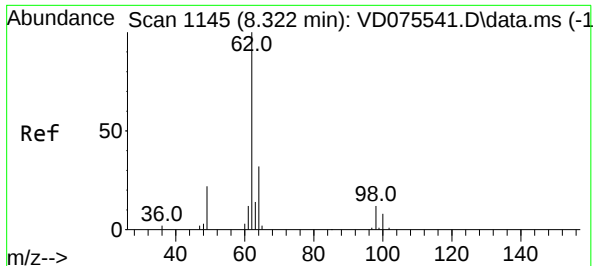
Tgt Ion: 96 Resp: 2250
 Ion Ratio Lower Upper
 96 100
 61 86.2 73.9 137.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 1.355 ug/L
 RT: 7.069 min Scan# 932
 Delta R.T. -0.012 min
 Lab File: VD075544.D
 Acq: 30 Mar 2023 12:59

Tgt Ion: 43 Resp: 179
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.3 54.9#

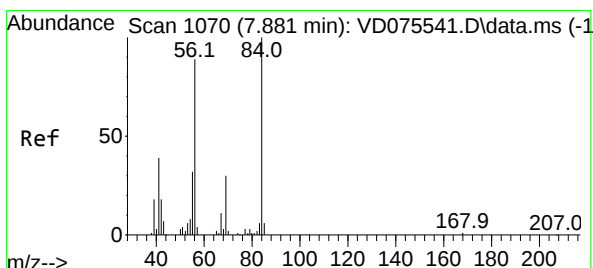
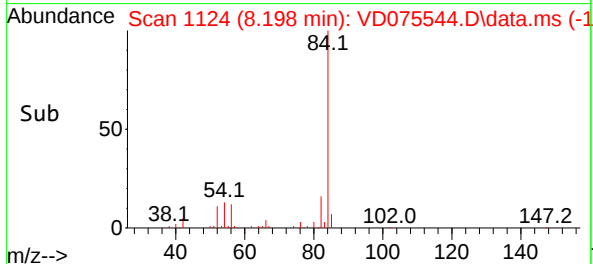
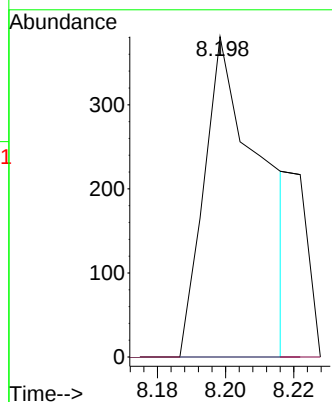
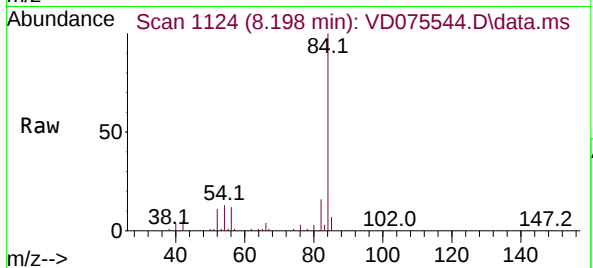




#27
1,2-Dichloroethane
Concen: 0.703 ug/L
RT: 8.198 min Scan# 1145
Delta R.T. -0.124 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

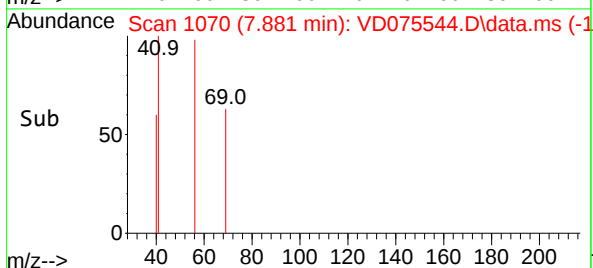
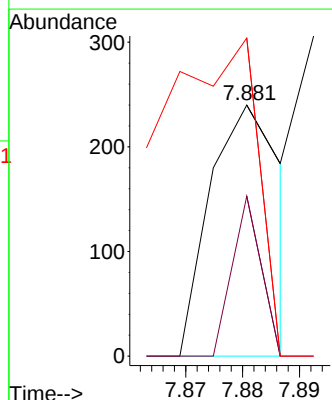
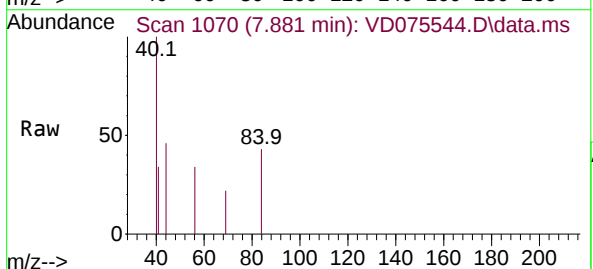
Instrument :
MSVOA_D
ClientSampleId :

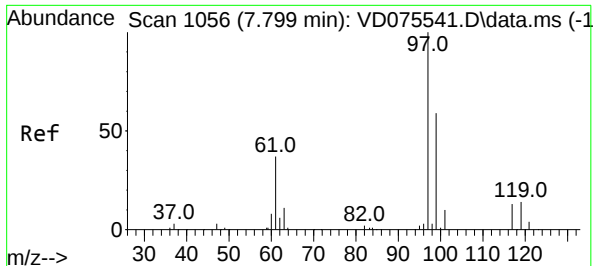
Tgt Ion: 62 Resp: 445
Ion Ratio Lower Upper
62 100
98 0.0 8.8 13.2#



#29
Cyclohexane
Concen: 1.028 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
69 0.0 27.0 40.6#
84 170.9 85.0 127.6#

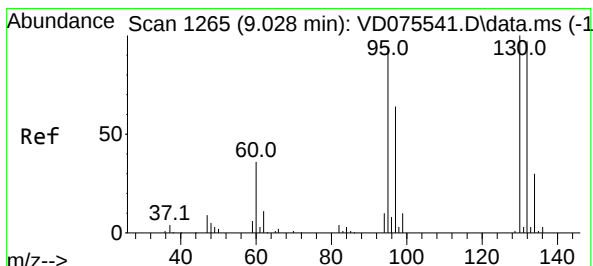
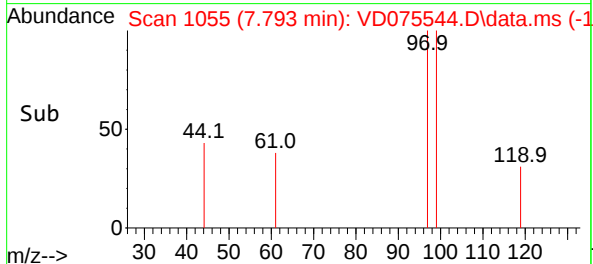
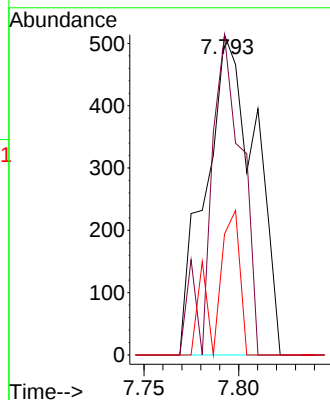
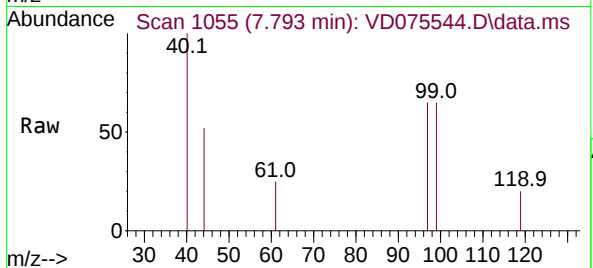




#30
1,1,1-Trichloroethane
Concen: 3.599 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

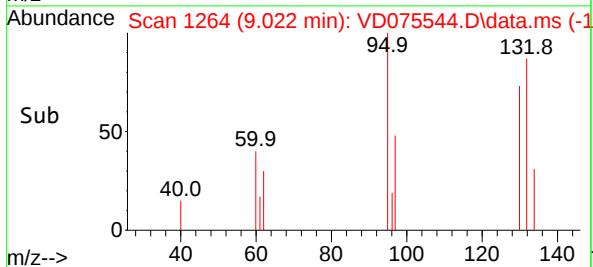
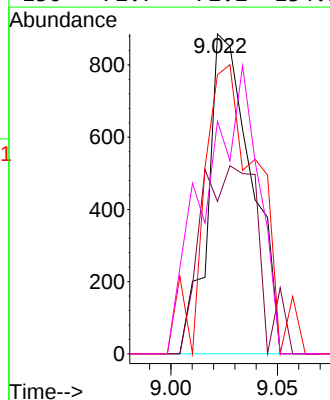
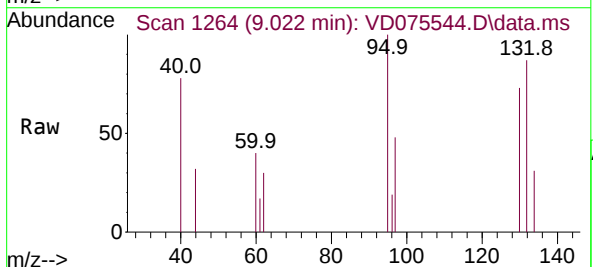
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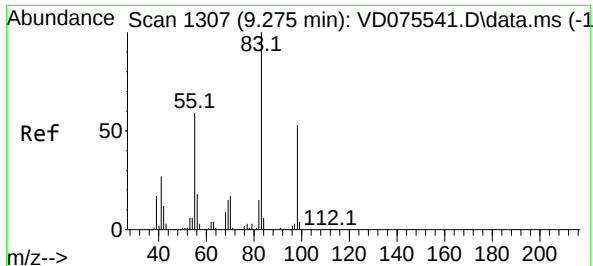
Tgt Ion:	97	Resp:	937
Ion	Ratio	Lower	Upper
97	100		
99	57.7	51.0	76.4
61	16.0	34.0	51.0#



#34
Trichloroethene
Concen: 6.945 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
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Tgt Ion:	95	Resp:	1262
Ion	Ratio	Lower	Upper
95	100		
97	47.6	44.7	83.1
132	87.2	70.0	130.0
130	72.7	72.2	134.2





#35

Methylcyclohexane

Concen: 2.940 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

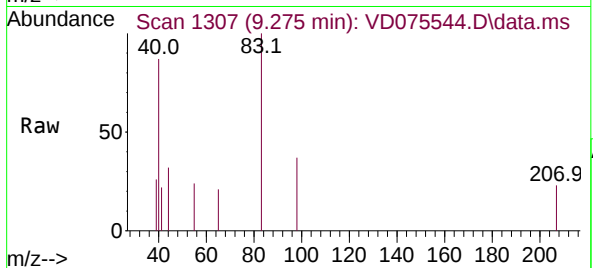
Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

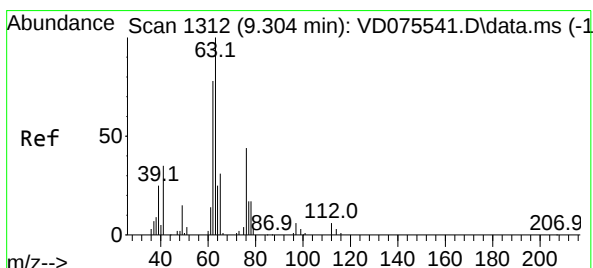
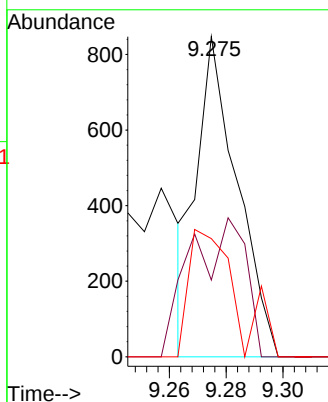
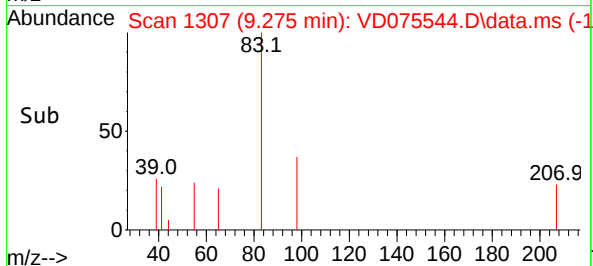
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 83	Resp: 834
Ion Ratio	Lower Upper
83	100
55	28.2 49.3 73.9#
98	7.9 39.8 59.6#



#37

1,2-Dichloropropane

Concen: 36.132 ug/L

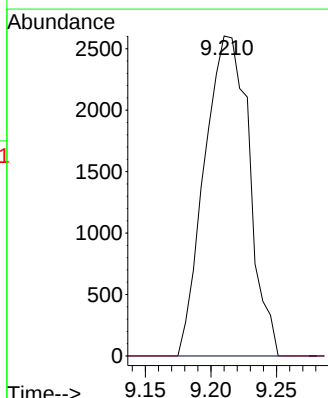
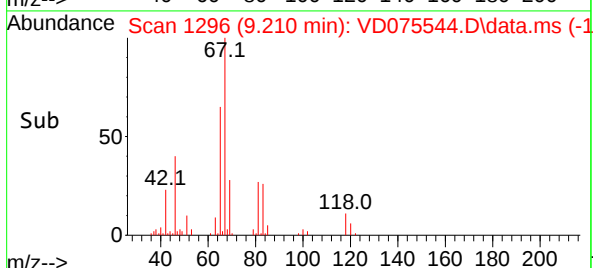
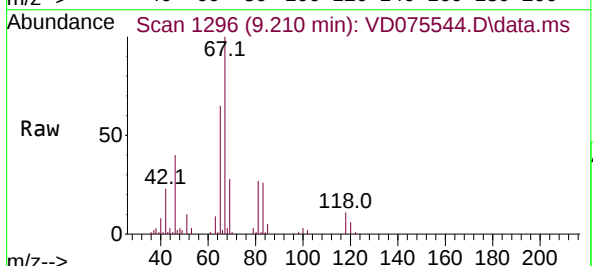
RT: 9.210 min Scan# 1296

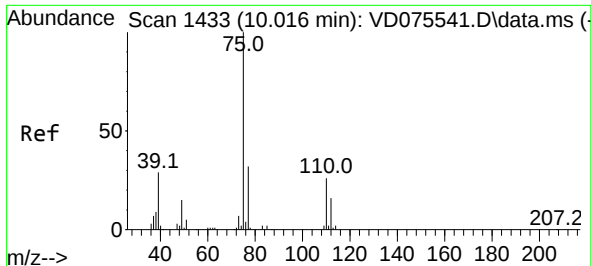
Delta R.T. -0.094 min

Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

Tgt Ion: 63	Resp: 6178
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.642 ug/L

RT: 9.981 min Scan# 1433

Delta R.T. -0.035 min

Lab File: VD075544.D

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MSVOA_D

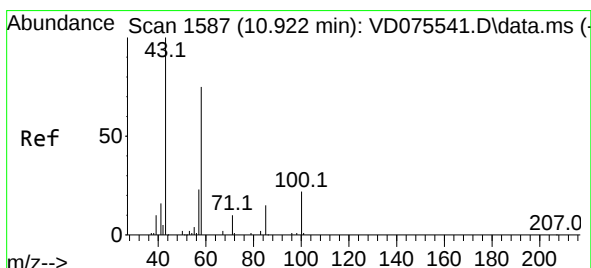
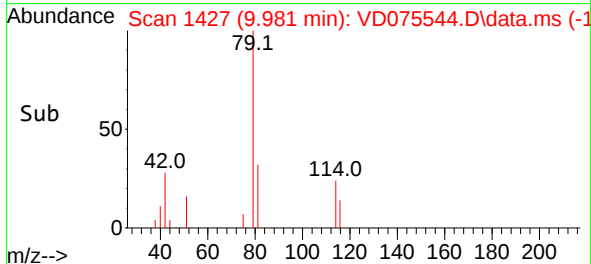
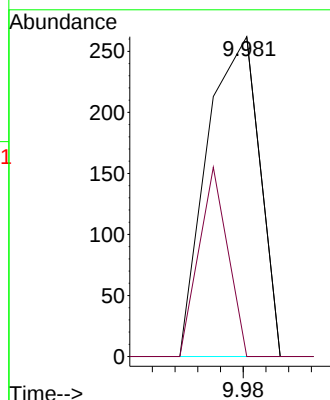
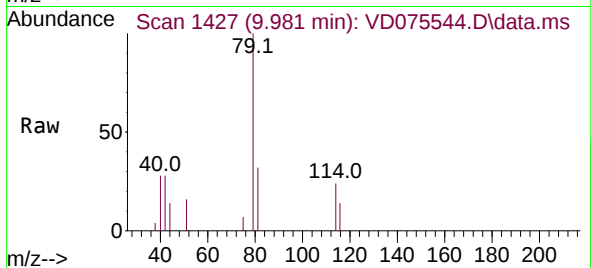
ClientSampleId :

Tgt Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.0#



#48

2-Hexanone

Concen: 1.264 ug/L

RT: 10.904 min Scan# 1584

Delta R.T. -0.018 min

Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

Tgt Ion: 43 Resp: 61

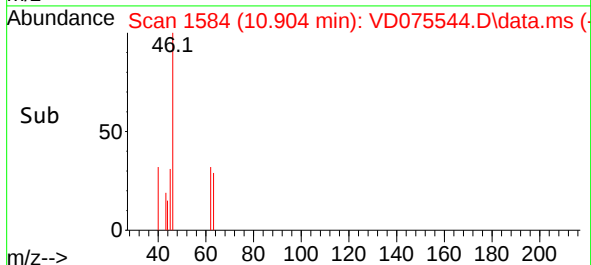
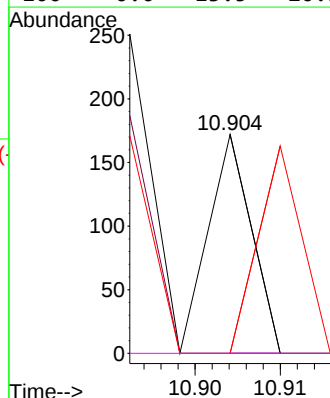
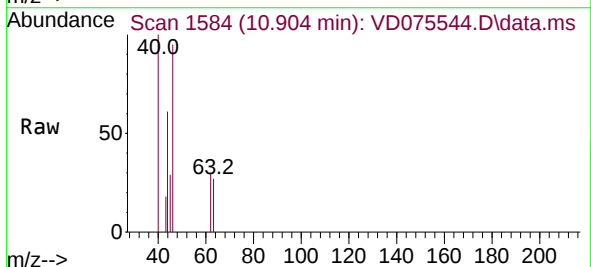
Ion Ratio Lower Upper

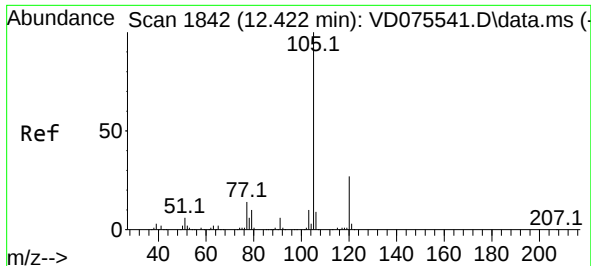
43 100

58 0.0 53.1 79.7#

57 0.0 16.7 25.1#

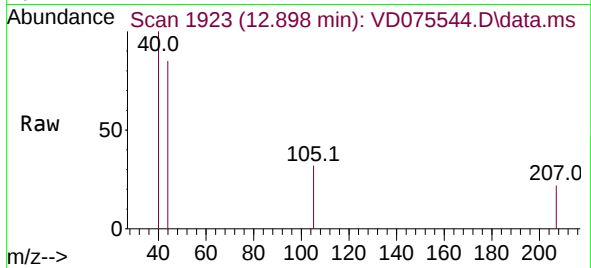
100 0.0 13.5 20.3#



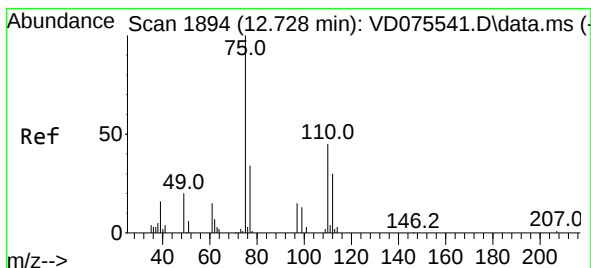
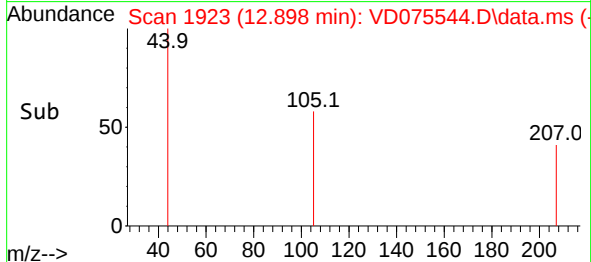
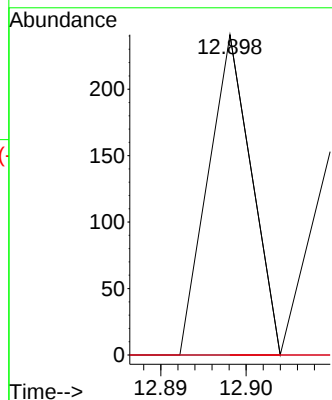


#60
Isopropylbenzene
Concen: 0.405 ug/L
RT: 12.898 min Scan# 19
Delta R.T. 0.476 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

Instrument :
MSVOA_D
ClientSampleId :

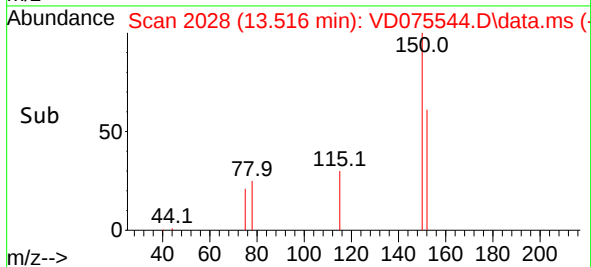
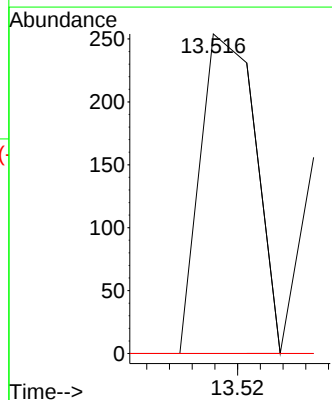
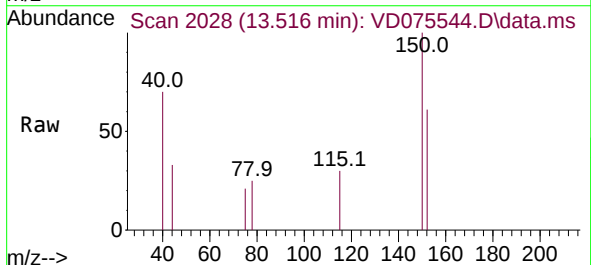


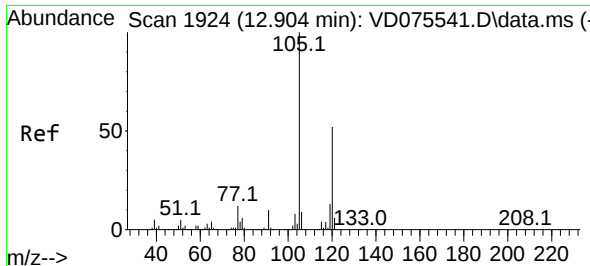
Tgt Ion:105 Resp: 85
Ion Ratio Lower Upper
105 100
120 0.0 21.8 32.6#
77 0.0 11.3 16.9#



#61
1,2,3-Trichloropropane
Concen: 6.841 ug/L
RT: 13.516 min Scan# 2028
Delta R.T. 0.788 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

Tgt Ion: 75 Resp: 171
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#
110 0.0 33.2 49.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.349 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VD075544.D

Acq: 30 Mar 2023 12:59

Instrument :

MSVOA_D

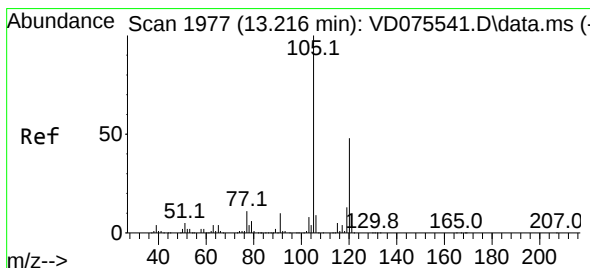
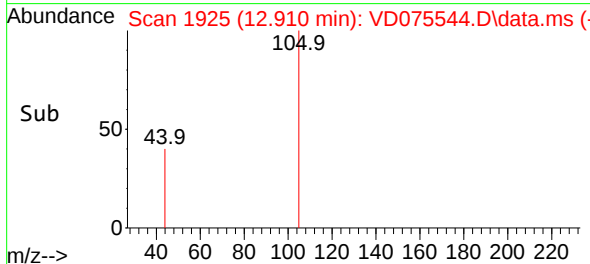
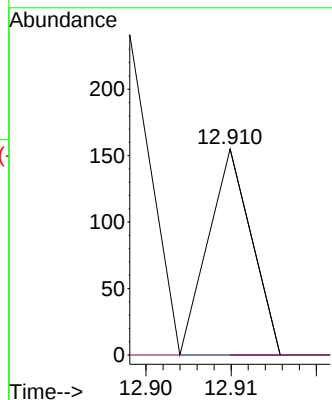
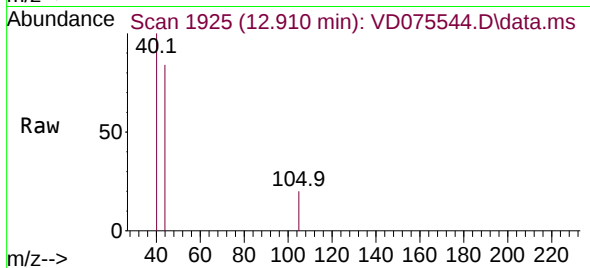
ClientSampleId :

Tgt Ion:105 Resp: 55

Ion Ratio Lower Upper

105 100

120 0.0 40.6 60.8#



#63

1,2,4-Trimethylbenzene

Concen: 0.357 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. -0.306 min

Lab File: VD075544.D

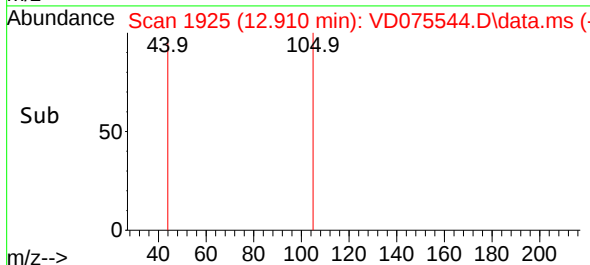
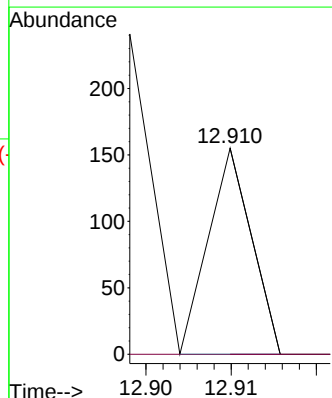
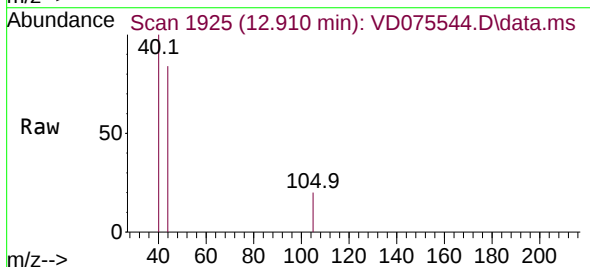
Acq: 30 Mar 2023 12:59

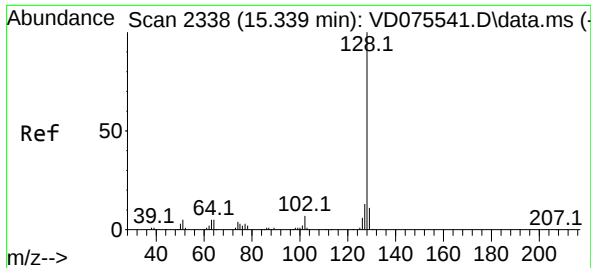
Tgt Ion:105 Resp: 55

Ion Ratio Lower Upper

105 100

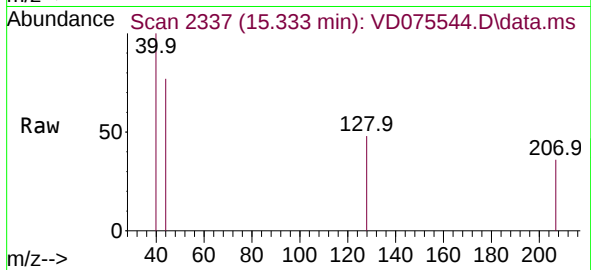
120 0.0 38.2 57.2#





#71
Naphthalene
Concen: 3.234 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075544.D
Acq: 30 Mar 2023 12:59

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 300
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.8 13.2#

