

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030323\
 Data File : VD075447.D
 Acq On : 03 Mar 2023 15:22
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 03 23:24:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 03 23:23:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	297239	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	267789	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	137980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	144135	19.530	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.120%
7) Chloroethane-d5	2.805	69	138186	21.636	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.560%
11) 1,1-Dichloroethene-d2	3.928	63	155554	22.565	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.240%
21) 2-Butanone-d5	6.987	46	31705	46.357	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.720%
24) Chloroform-d	7.569	84	182186	23.388	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.560%
26) 1,2-Dichloroethane-d4	8.228	65	77440	22.948	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	8.205	84	352525	22.167	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.210	67	100776	22.420	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.680%
41) Toluene-d8	10.275	98	329464	22.709	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.840%
43) trans-1,3-Dichloroprop...	10.528	79	41173	22.416	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.680%
47) 2-Hexanone-d5	10.881	63	31512	48.596	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.200%
56) 1,1,2,2-Tetrachloroeth...	12.657	84	91752	24.403	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	108046	22.386	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	123269	26.956	ug/L	97
3) Chloromethane	2.152	50	167096	21.728	ug/L	99
5) Vinyl chloride	2.287	62	258631	26.742	ug/L	99
6) Bromomethane	2.699	94	173993	37.959	ug/L	99
8) Chloroethane	2.840	64	173458	28.521	ug/L	97
9) Trichlorofluoromethane	3.181	101	210215	29.035	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	142484	28.488	ug/L	98
12) 1,1-Dichloroethene	3.946	96	119645	27.167	ug/L	93
13) Acetone	4.028	43	41798	54.101	ug/L	94
14) Carbon disulfide	4.275	76	331085	26.885	ug/L	98
15) Methyl Acetate	4.564	43	36688	27.983	ug/L	97
16) Methylene chloride	4.811	84	141601	22.556	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	130379	27.617	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	142333	16.223	ug/L #	67
19) 1,1-Dichloroethane	6.116	63	226404	28.349	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	151352	28.380	ug/L	99
22) 2-Butanone	7.081	43	52166	53.209	ug/L	95
23) Bromochloromethane	7.428	128	66168	28.961	ug/L	97
25) Chloroform	7.599	83	251324	28.861	ug/L	100

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 Response via : Initial Calibration

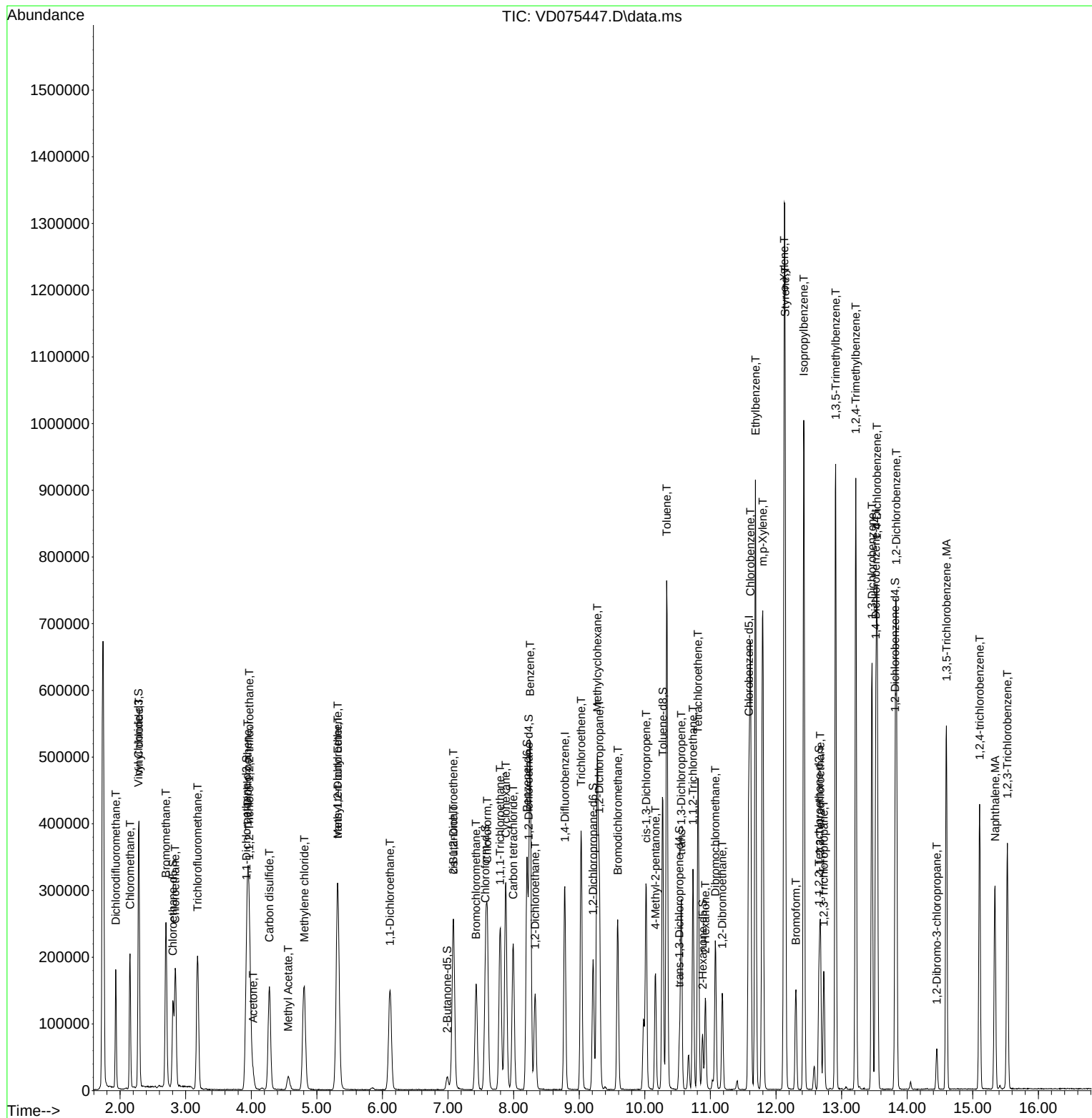
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	130981	27.892	ug/L	99
29) Cyclohexane	7.881	56	165633	28.907	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	206538	28.684	ug/L	99
31) Carbon tetrachloride	7.993	117	170459	29.806	ug/L	99
33) Benzene	8.252	78	548590	28.506	ug/L	100
34) Trichloroethene	9.028	95	142146	28.282	ug/L	96
35) Methylcyclohexane	9.275	83	228546	29.128	ug/L	99
37) 1,2-Dichloropropane	9.305	63	134737	28.491	ug/L	100
38) Bromodichloromethane	9.587	83	178762	28.575	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	206033	28.468	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	105286	58.054	ug/L	99
42) Toluene	10.334	91	614484	29.166	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	171973	28.840	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110351	29.215	ug/L	98
46) Tetrachloroethene	10.810	164	110076	28.582	ug/L	97
48) 2-Hexanone	10.922	43	78080	58.515	ug/L	99
49) Dibromochloromethane	11.075	129	119939	29.069	ug/L	97
50) 1,2-Dibromoethane	11.181	107	98598	28.878	ug/L	96
51) Chlorobenzene	11.610	112	393752	28.753	ug/L	100
52) Ethylbenzene	11.687	91	665060	29.683	ug/L	99
53) m,p-Xylene	11.798	106	256534	29.060	ug/L	100
54) o-Xylene	12.128	106	250777	30.031	ug/L	96
55) Styrene	12.140	104	448109	30.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	120639	29.182	ug/L	98
59) Bromoform	12.304	173	70874	28.466	ug/L	97
60) Isopropylbenzene	12.422	105	681222	29.355	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	78143	28.252	ug/L	98
62) 1,3,5-Trimethylbenzene	12.910	105	512726	29.432	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	501204	29.424	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	286085	27.869	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	291775	27.631	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	253989	27.768	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	15601	29.045	ug/L	94
69) 1,3,5-Trichlorobenzene	14.598	180	177042	27.502	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	138283	26.717	ug/L	98
71) Naphthalene	15.339	128	280443	27.318	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	124044	27.189	ug/L	97

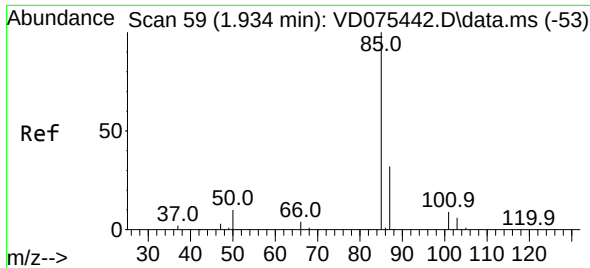
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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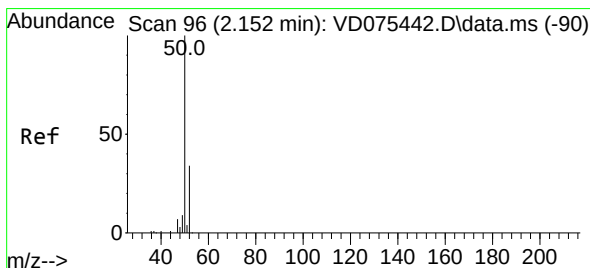
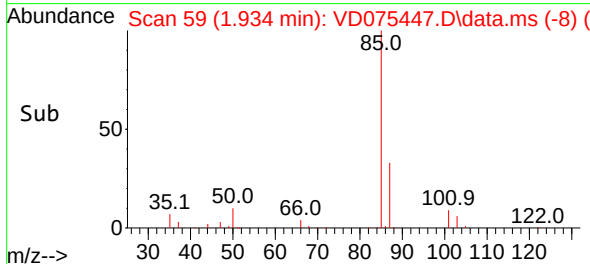
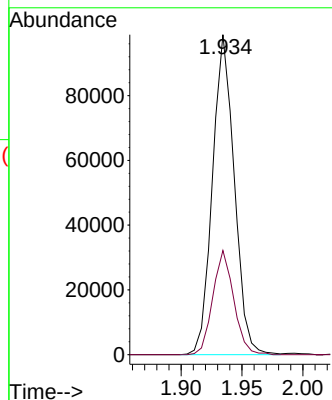
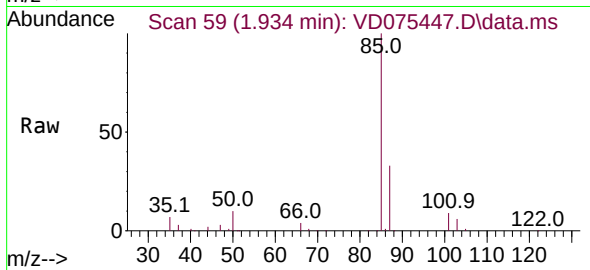




#2
 Dichlorodifluoromethane
 Concen: 26.956 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

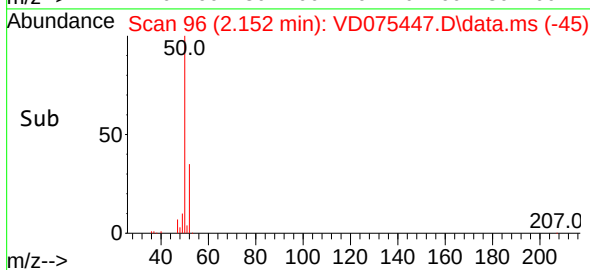
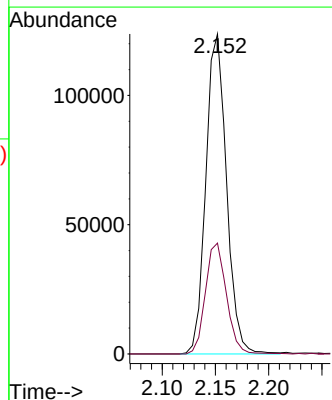
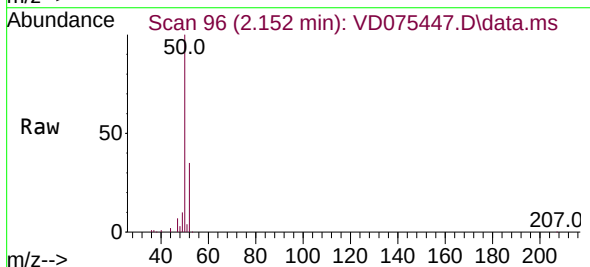
Instrument :
 MSVOA_D
 ClientSampleId :

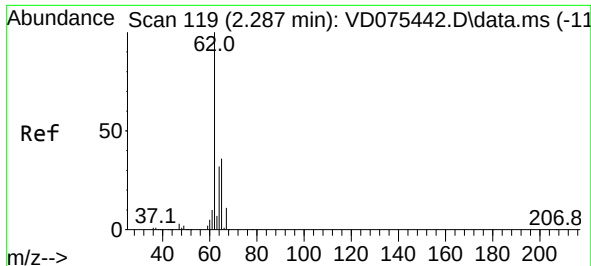
Tgt Ion: 85 Resp: 123269
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.4 39.6



#3
 Chloromethane
 Concen: 21.728 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

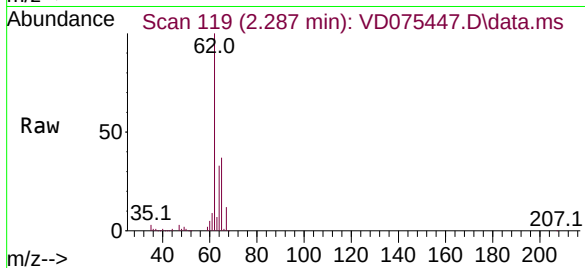
Tgt Ion: 50 Resp: 167096
 Ion Ratio Lower Upper
 50 100
 52 34.6 23.7 43.9



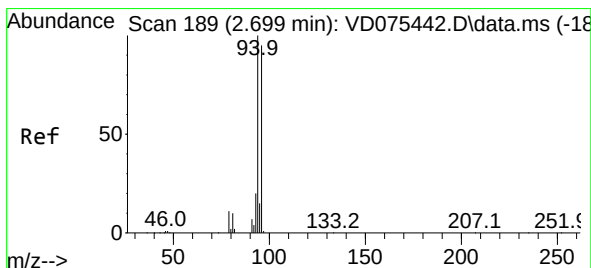
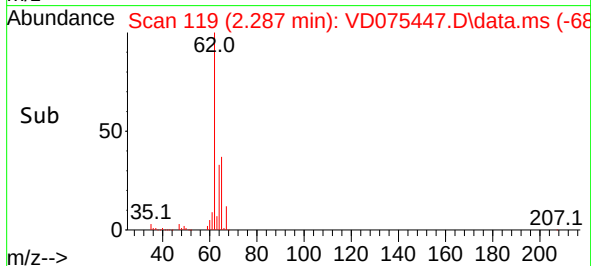
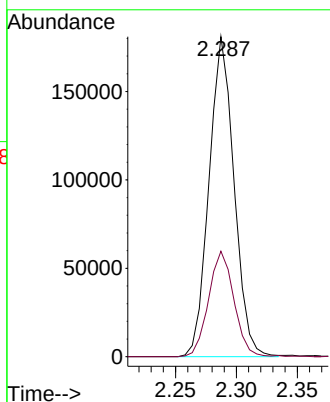


#5
Vinyl chloride
Concen: 26.742 ug/L
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Instrument :
MSVOA_D
ClientSampleId :

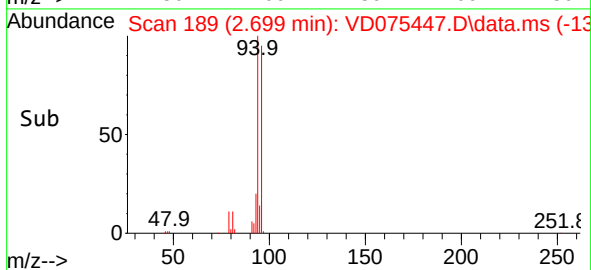
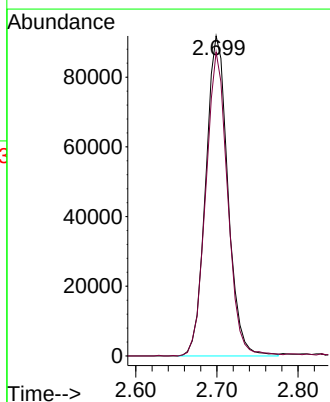
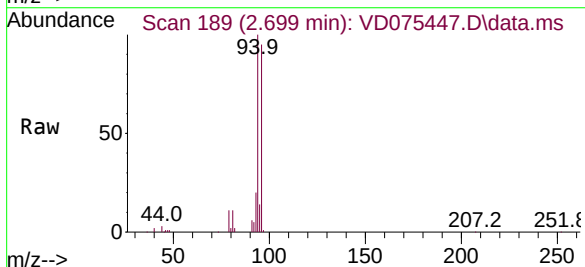


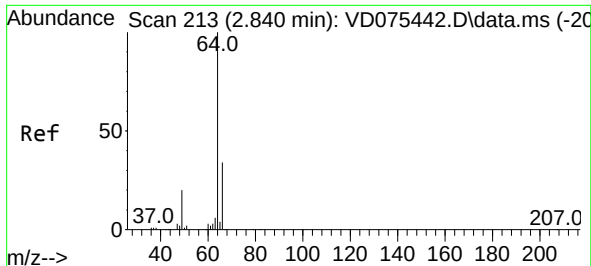
Tgt Ion: 62 Resp: 258631
Ion Ratio Lower Upper
62 100
64 33.0 22.7 42.3



#6
Bromomethane
Concen: 37.959 ug/L
RT: 2.699 min Scan# 189
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 94 Resp: 173993
Ion Ratio Lower Upper
94 100
96 95.0 65.9 122.5

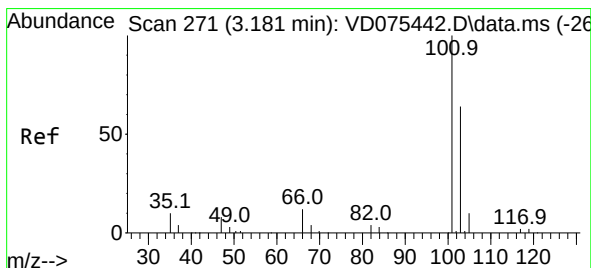
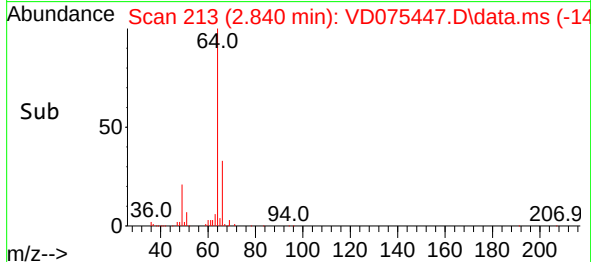
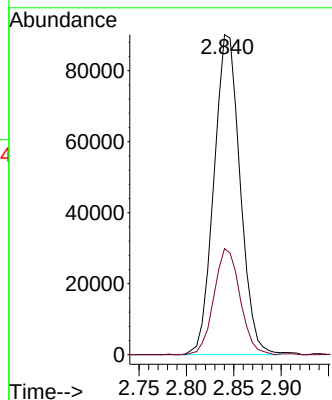
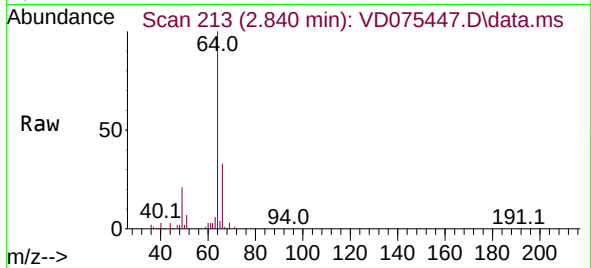




#8
Chloroethane
Concen: 28.521 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

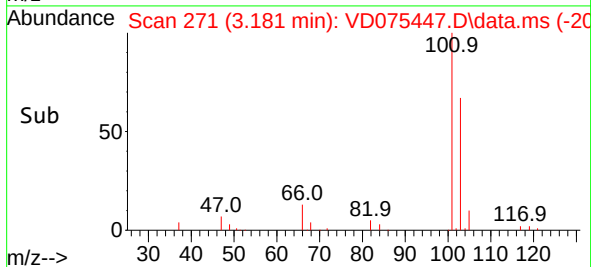
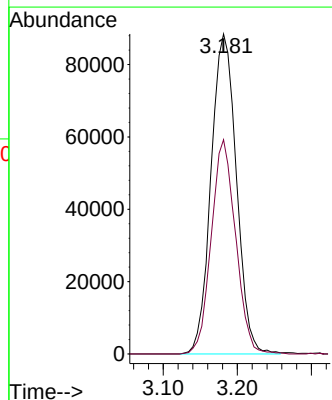
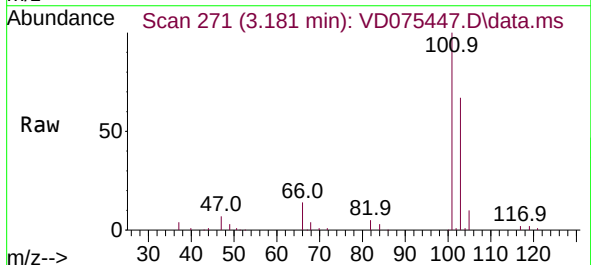
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MSVOA_D
ClientSampleId :

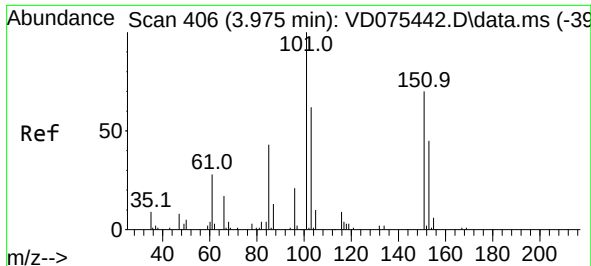
Tgt Ion: 64 Resp: 173458
Ion Ratio Lower Upper
64 100
66 33.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 29.035 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 101 Resp: 210215
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

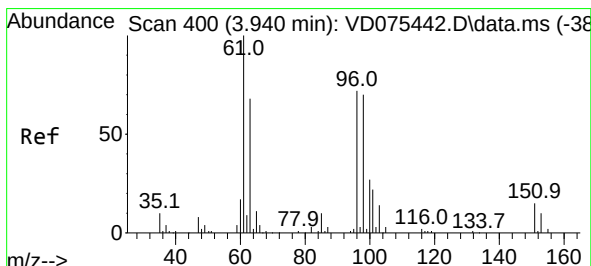
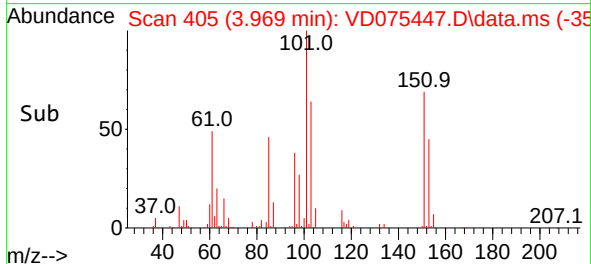
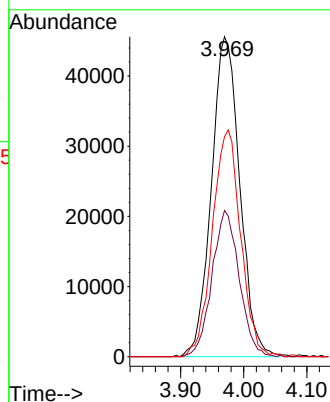
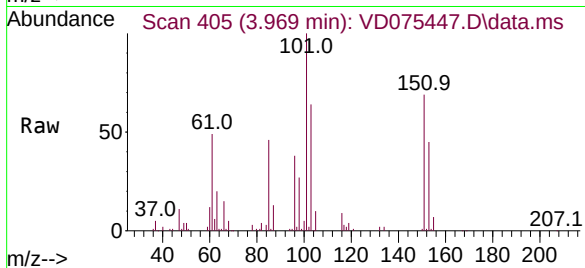




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.488 ug/L
RT: 3.969 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

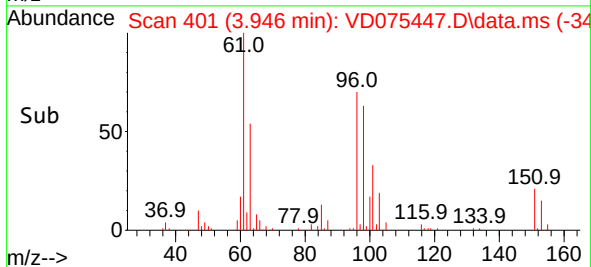
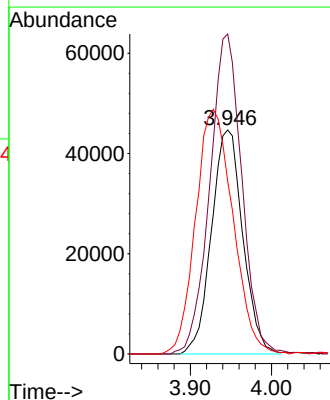
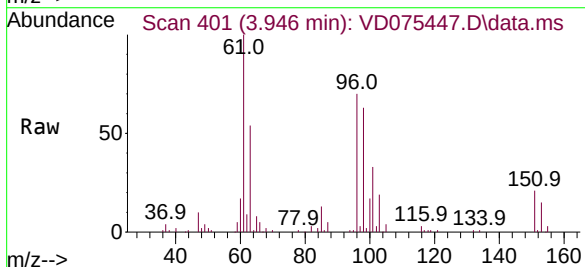
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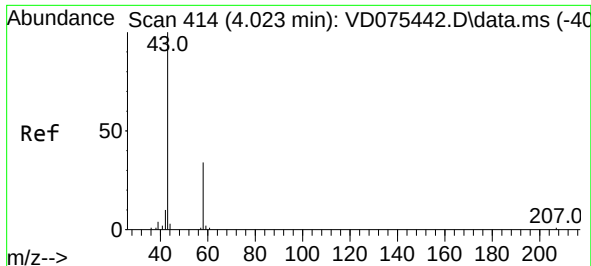
Tgt Ion:101 Resp: 142484
Ion Ratio Lower Upper
101 100
85 43.8 34.0 51.0
151 70.2 54.8 82.2



#12
1,1-Dichloroethene
Concen: 27.167 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 96 Resp: 119645
Ion Ratio Lower Upper
96 100
61 142.9 97.5 181.1
63 77.1 62.4 116.0





#13

Acetone

Concen: 54.101 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

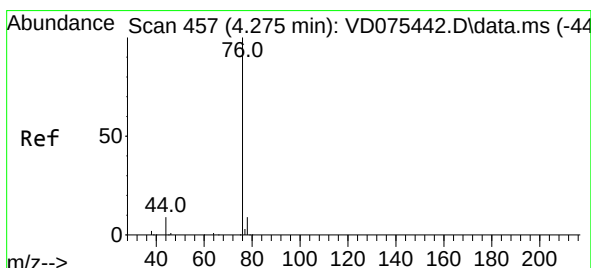
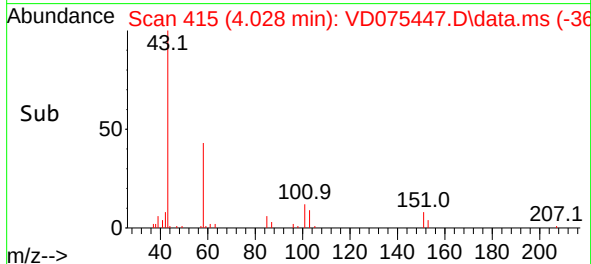
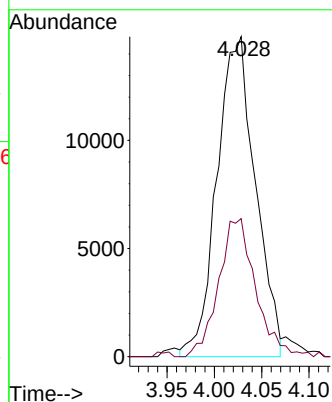
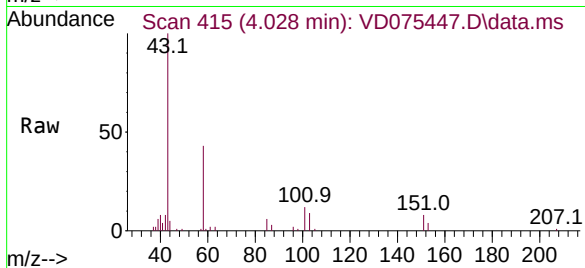
ClientSampleId :

Tgt Ion: 43 Resp: 41798

Ion Ratio Lower Upper

43 100

58 41.0 0.0 75.4



#14

Carbon disulfide

Concen: 26.885 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.000 min

Lab File: VD075447.D

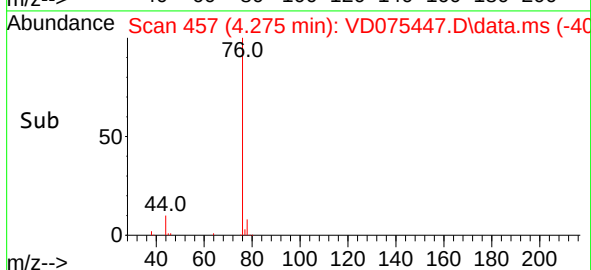
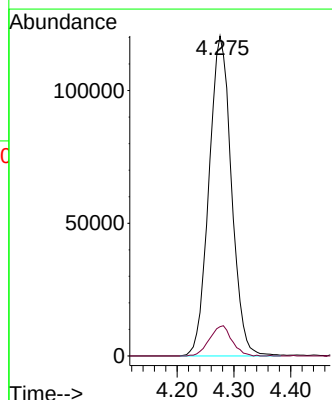
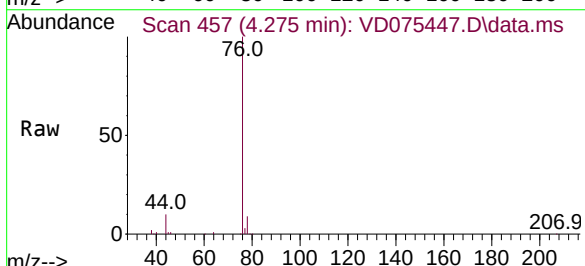
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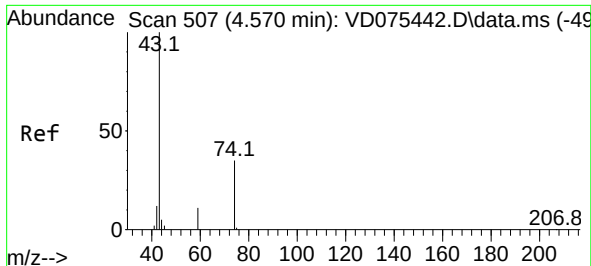
Tgt Ion: 76 Resp: 331085

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

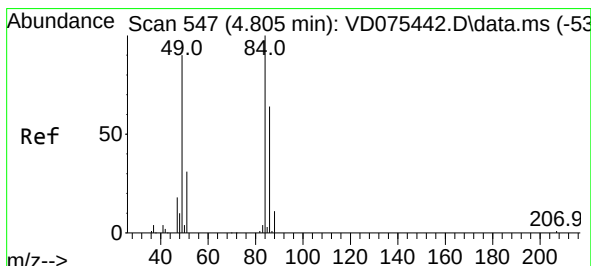
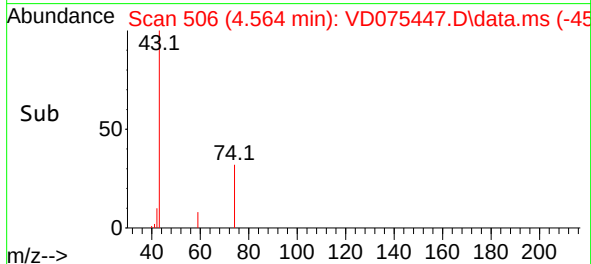
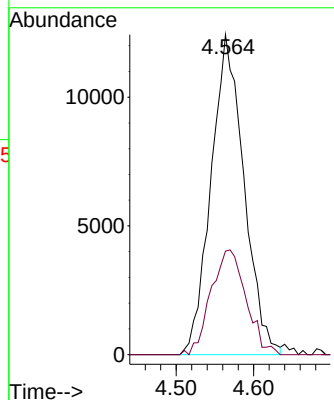
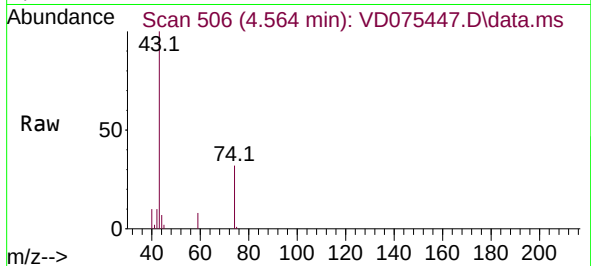




#15
Methyl Acetate
Concen: 27.983 ug/L
RT: 4.564 min Scan# 507
Delta R.T. -0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

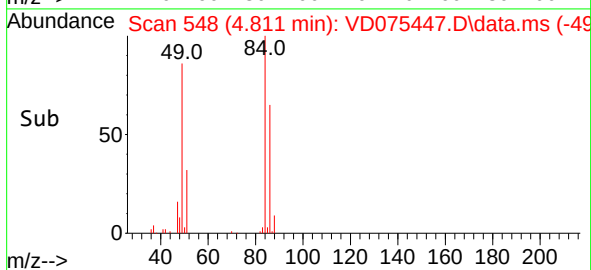
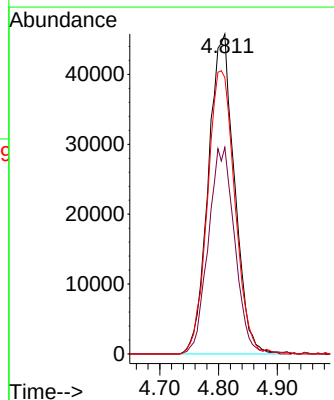
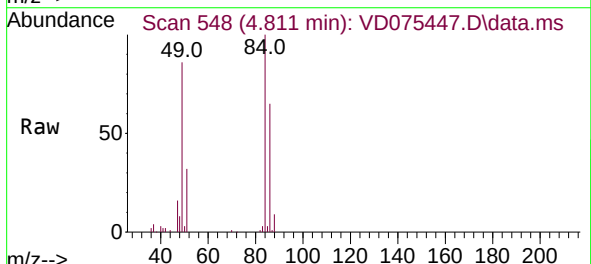
Instrument :
MSVOA_D
ClientSampleId :

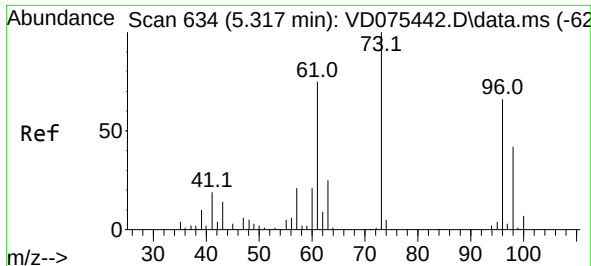
Tgt Ion: 43 Resp: 36688
Ion Ratio Lower Upper
43 100
74 34.0 25.7 38.5



#16
Methylene chloride
Concen: 22.556 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

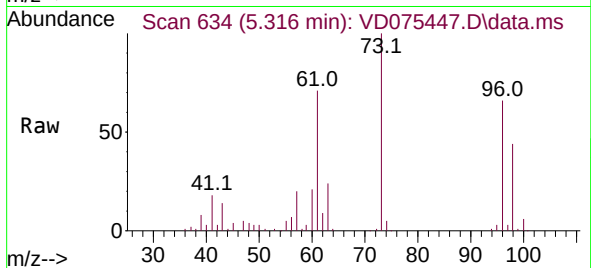
Tgt Ion: 84 Resp: 141601
Ion Ratio Lower Upper
84 100
86 64.6 44.2 82.2
49 86.4 63.6 118.2





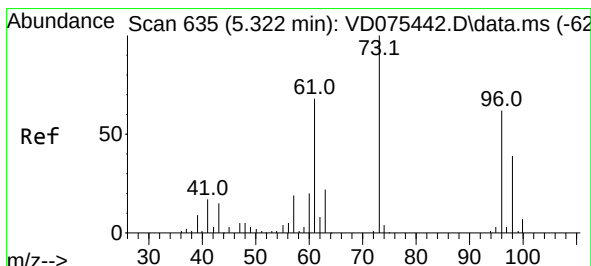
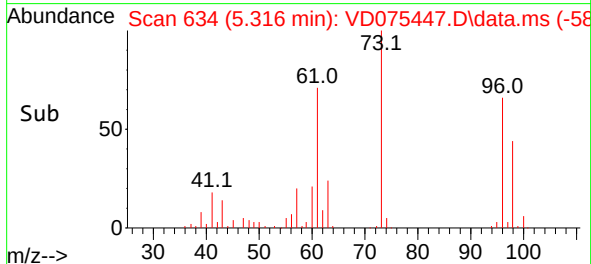
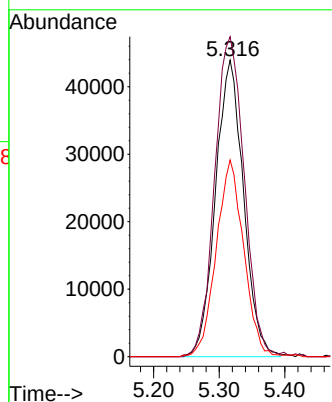
#17
trans-1,2-Dichloroethene
Concen: 27.617 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 96 Resp: 130379

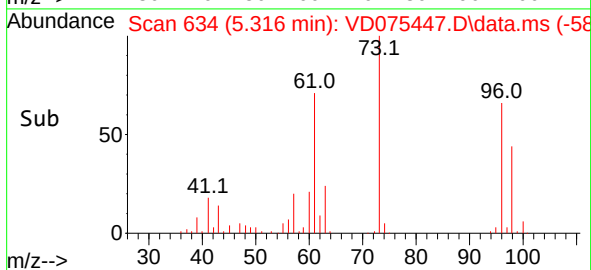
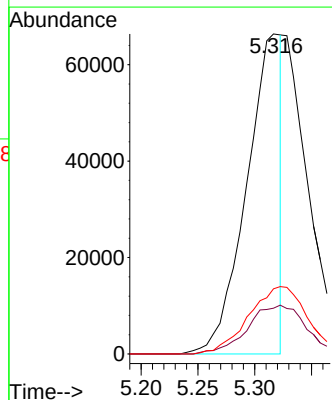
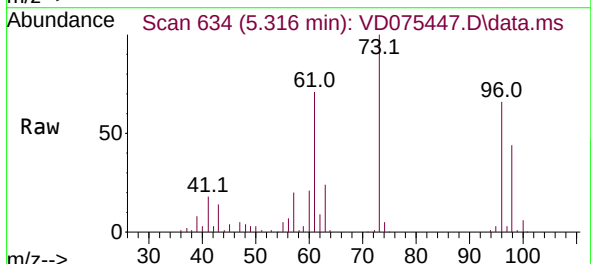
Ion	Ratio	Lower	Upper
96	100		
61	107.9	77.8	144.6
98	66.3	47.0	87.4

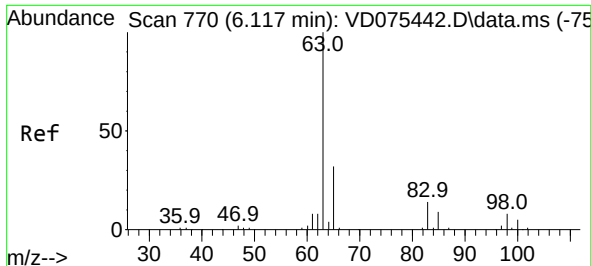


#18
Methyl tert-butyl Ether
Concen: 16.223 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 73 Resp: 142333

Ion	Ratio	Lower	Upper
73	100		
43	0.0	12.1	18.1#
57	35.3	17.0	25.4#

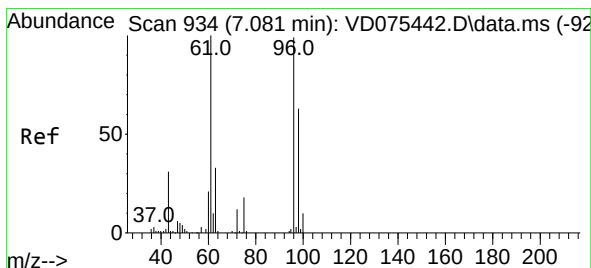
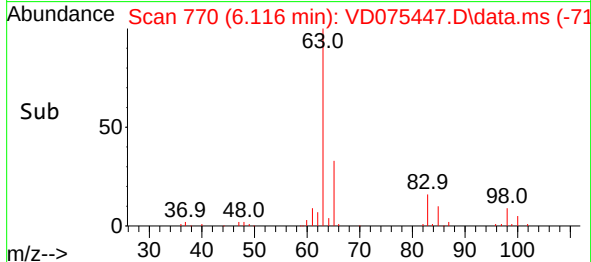
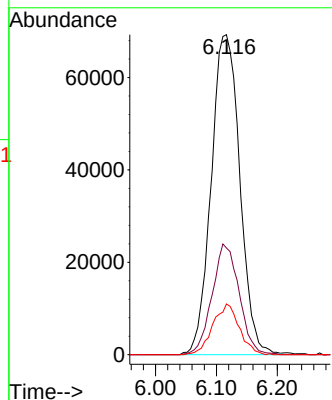
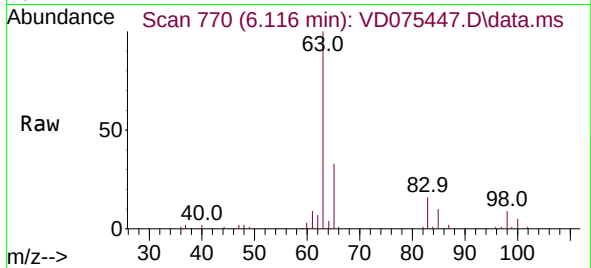




#19
 1,1-Dichloroethane
 Concen: 28.349 ug/L
 RT: 6.116 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

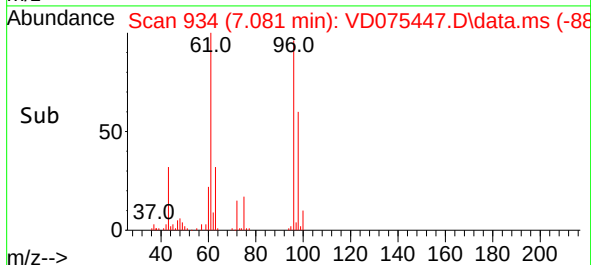
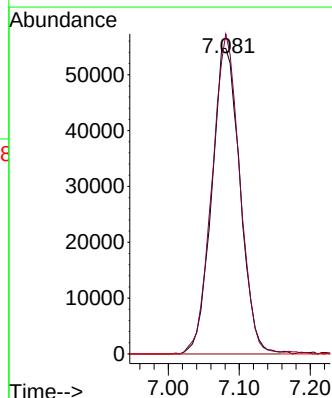
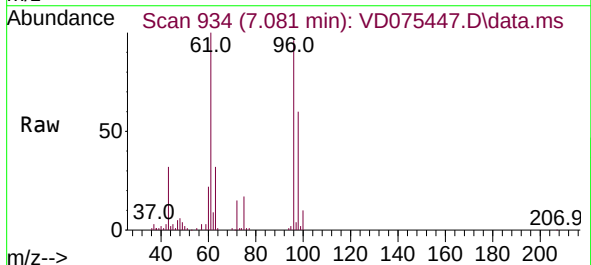
Instrument :
 MSVOA_D
 ClientSampleId :

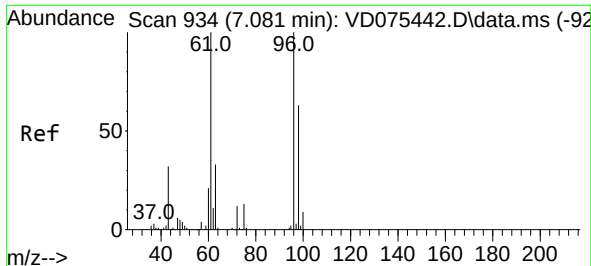
Tgt Ion: 63 Resp: 226404
 Ion Ratio Lower Upper
 63 100
 65 33.3 21.1 39.3
 83 15.8 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 28.380 ug/L
 RT: 7.081 min Scan# 934
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

Tgt Ion: 96 Resp: 151352
 Ion Ratio Lower Upper
 96 100
 61 104.7 73.9 137.3
 68 0.0 0.0 0.0

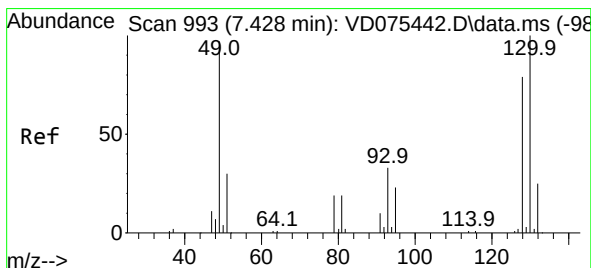
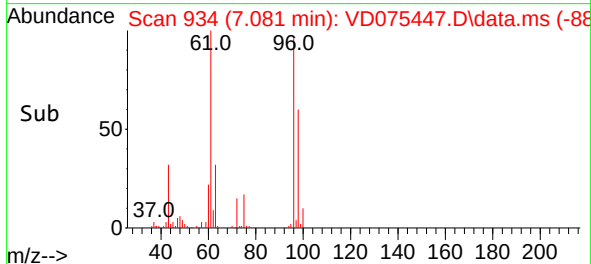
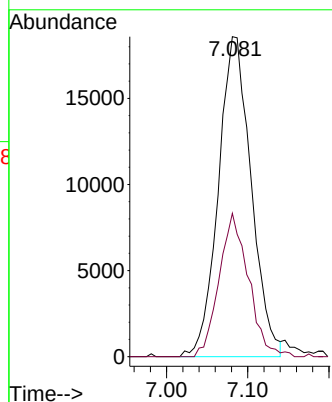
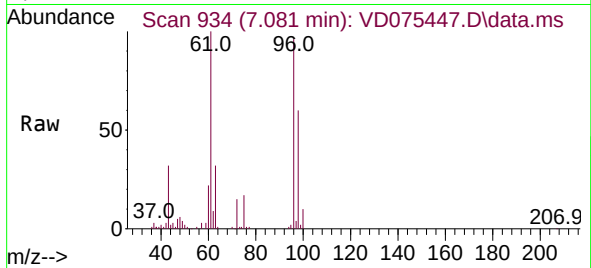




#22
2-Butanone
Concen: 53.209 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

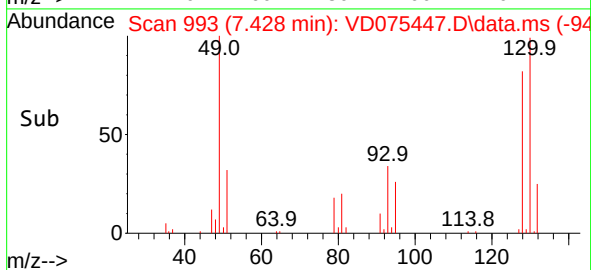
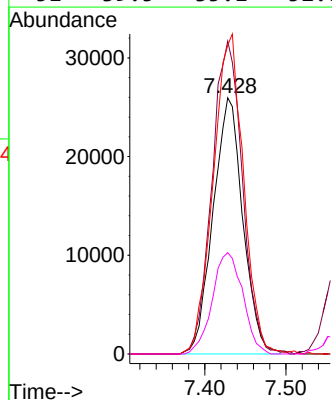
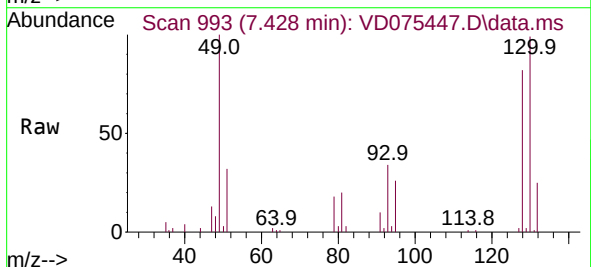
Instrument :
MSVOA_D
ClientSampleId :

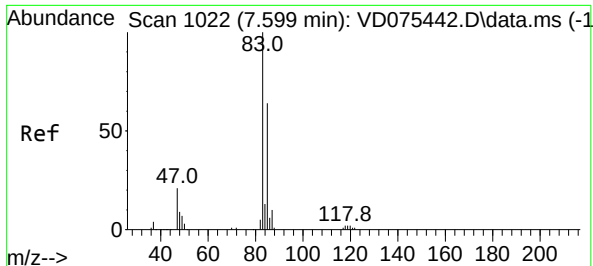
Tgt Ion: 43 Resp: 52166
Ion Ratio Lower Upper
43 100
72 39.8 18.3 54.9



#23
Bromochloromethane
Concen: 28.961 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:128 Resp: 66168
Ion Ratio Lower Upper
128 100
49 122.1 84.2 156.4
130 120.6 82.5 153.1
51 39.5 35.1 52.7





#25

Chloroform

Concen: 28.861 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

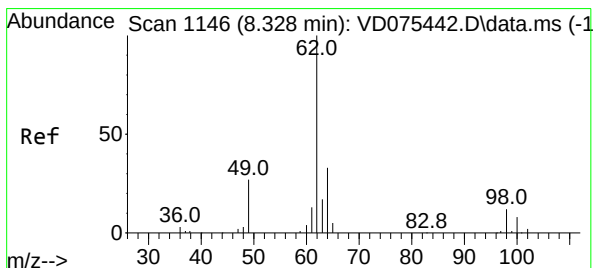
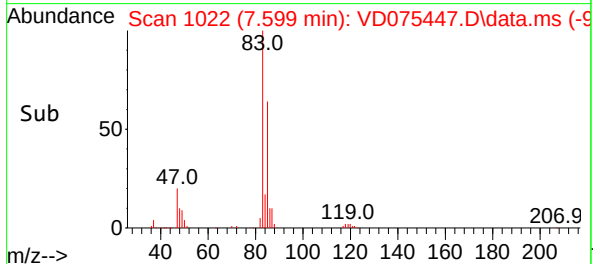
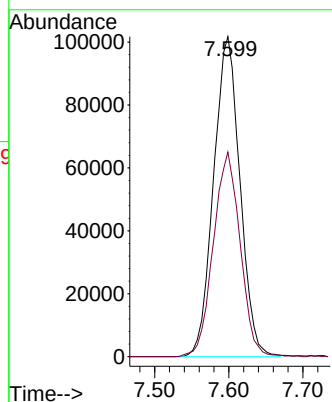
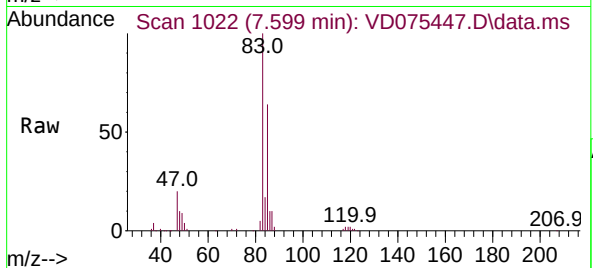
ClientSampleId :

Tgt Ion: 83 Resp: 251324

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 27.892 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD075447.D

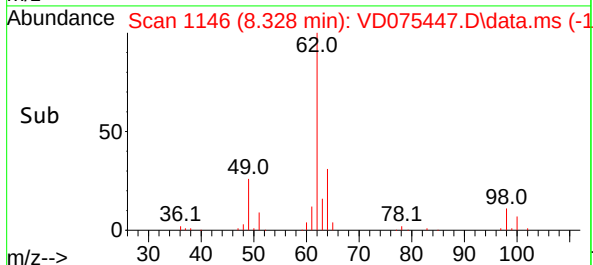
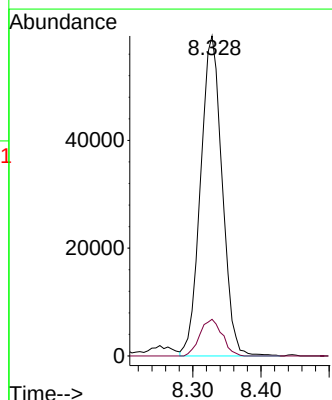
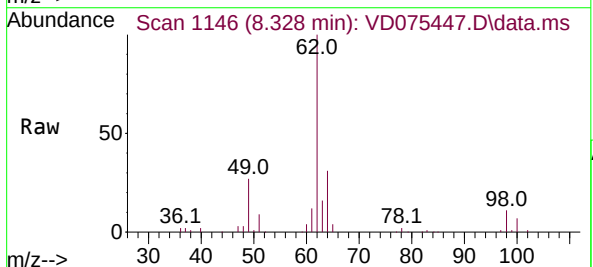
Acq: 03 Mar 2023 15:22

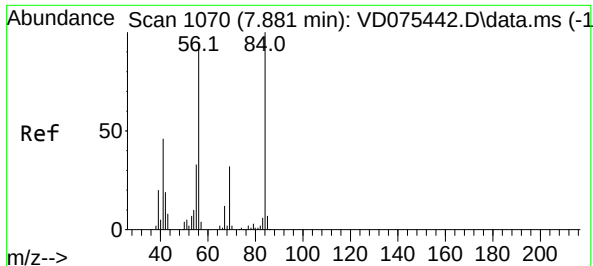
Tgt Ion: 62 Resp: 130981

Ion Ratio Lower Upper

62 100

98 11.5 8.8 13.2





#29

Cyclohexane

Concen: 28.907 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

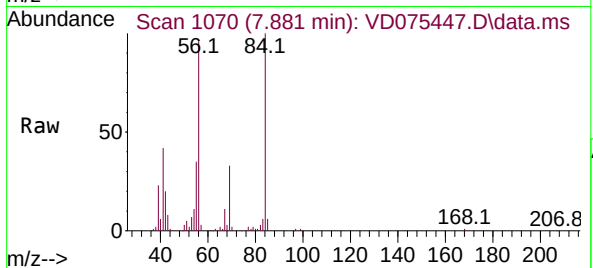
Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :



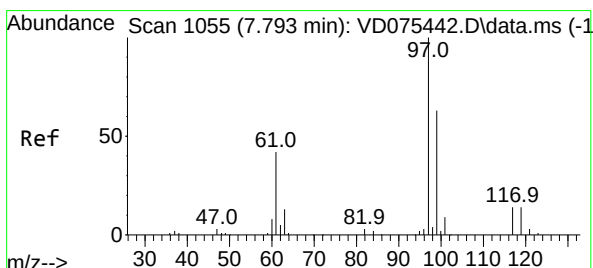
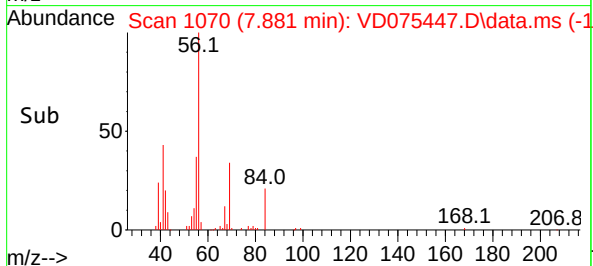
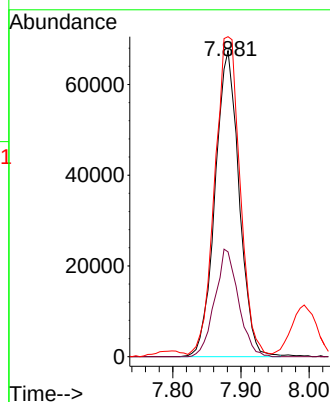
Tgt Ion: 56 Resp: 165633

Ion Ratio Lower Upper

56 100

69 34.4 27.0 40.6

84 110.3 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 28.684 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

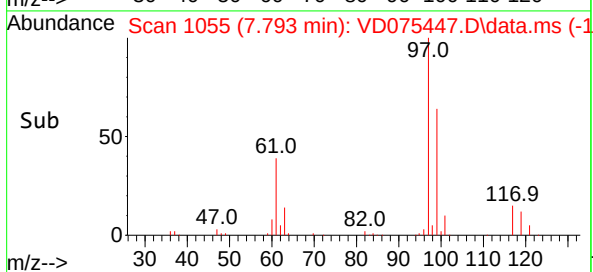
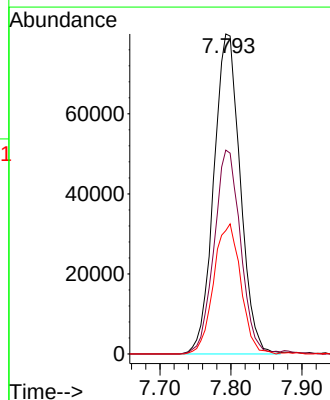
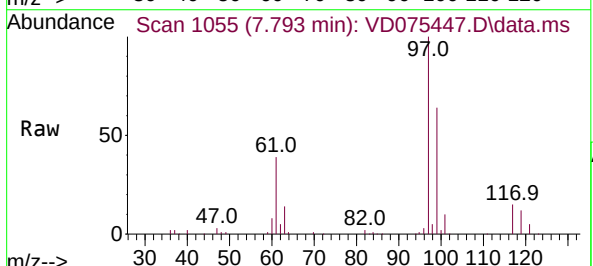
Tgt Ion: 97 Resp: 206538

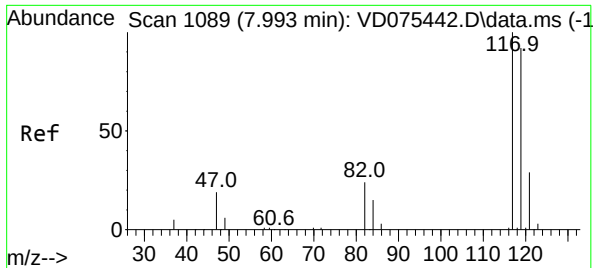
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 41.5 34.0 51.0

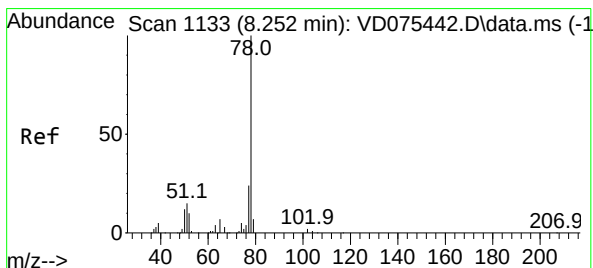
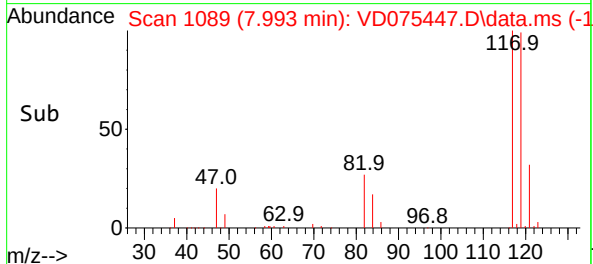
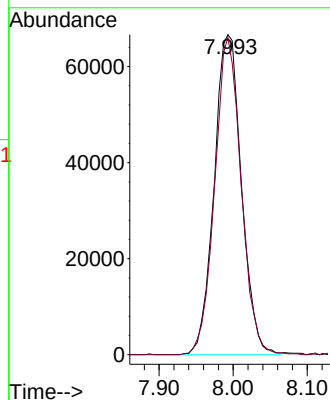
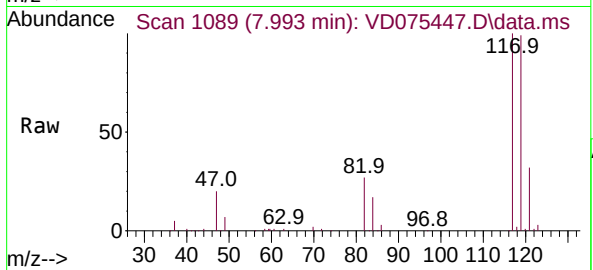




#31
Carbon tetrachloride
Concen: 29.806 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

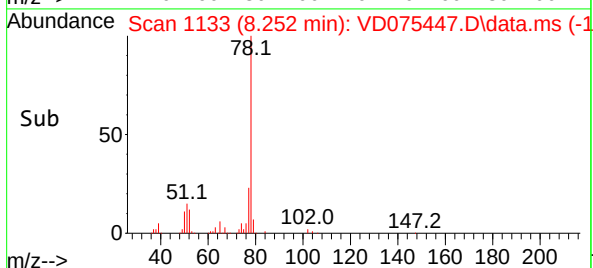
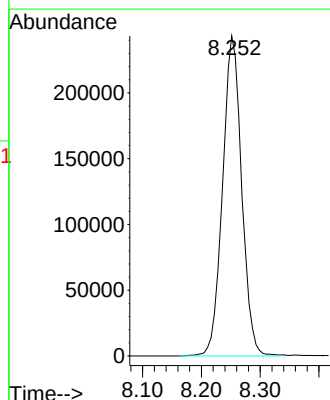
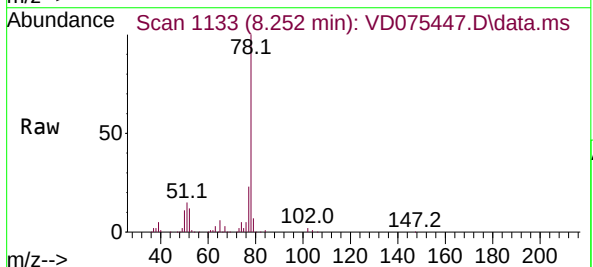
Instrument :
MSVOA_D
ClientSampleId :

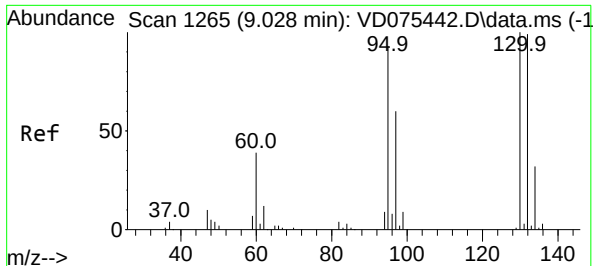
Tgt Ion:117 Resp: 170459
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2



#33
Benzene
Concen: 28.506 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 78 Resp: 548590

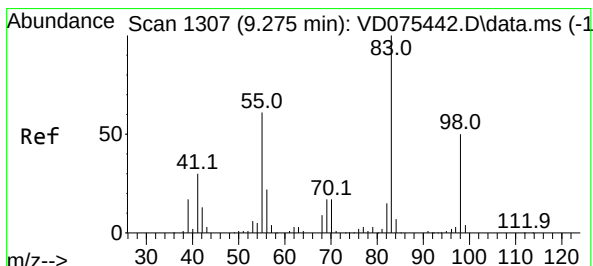
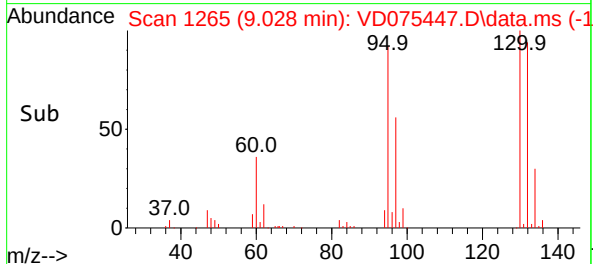
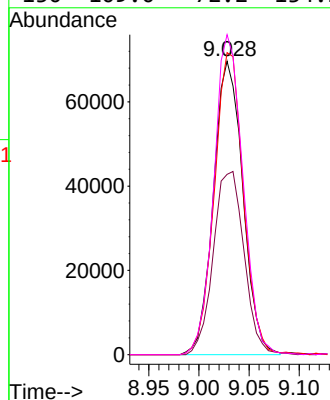
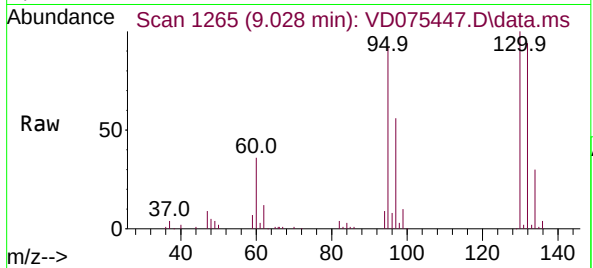




#34
Trichloroethene
Concen: 28.282 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

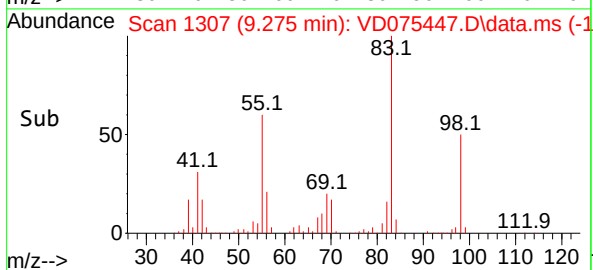
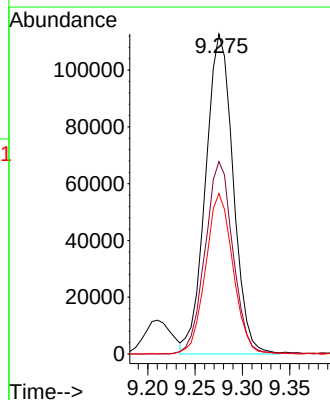
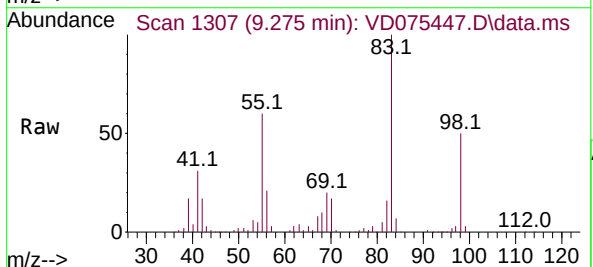
Instrument :
MSVOA_D
ClientSampleId :

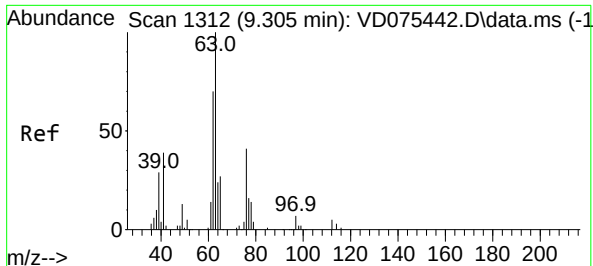
Tgt Ion: 95 Resp: 142146
Ion Ratio Lower Upper
95 100
97 61.4 44.7 83.1
132 102.9 70.0 130.0
130 109.0 72.2 134.2



#35
Methylcyclohexane
Concen: 29.128 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 83 Resp: 228546
Ion Ratio Lower Upper
83 100
55 60.5 49.3 73.9
98 49.8 39.8 59.6





#37

1,2-Dichloropropane

Concen: 28.491 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

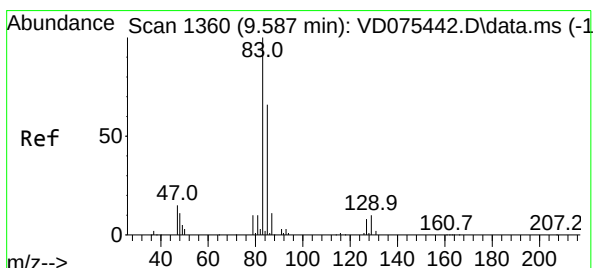
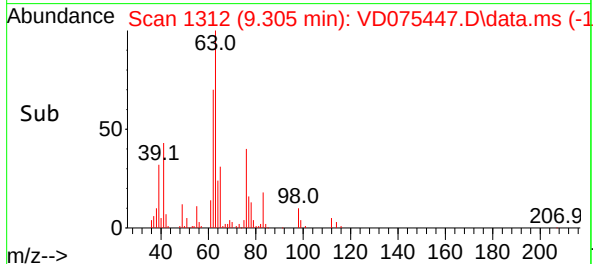
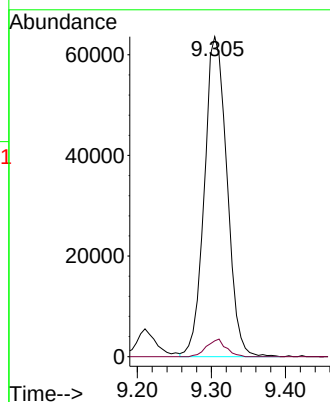
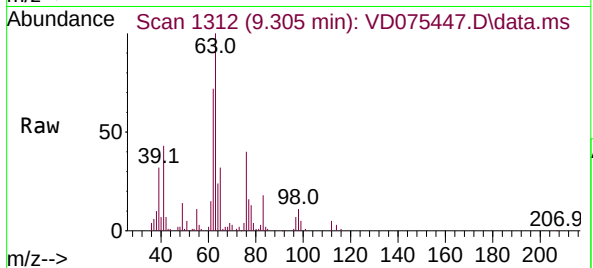
ClientSampleId :

Tgt Ion: 63 Resp: 134737

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 28.575 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

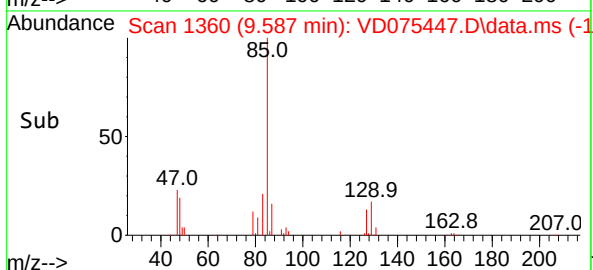
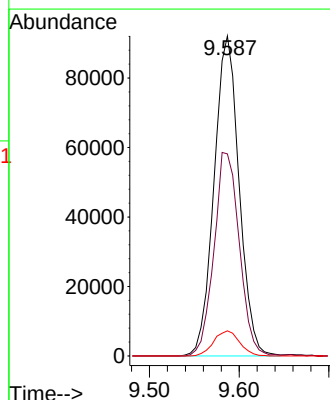
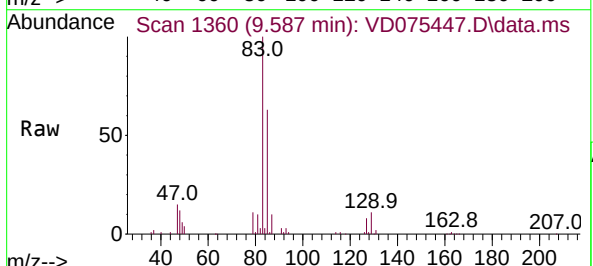
Tgt Ion: 83 Resp: 178762

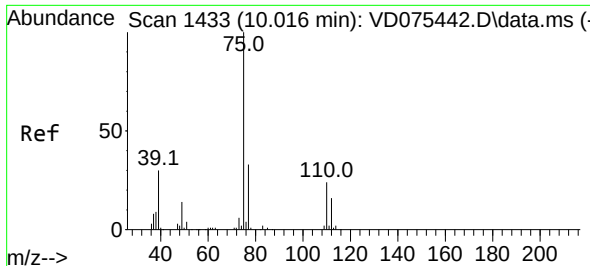
Ion Ratio Lower Upper

83 100

85 63.1 44.6 82.8

127 7.9 6.6 9.8

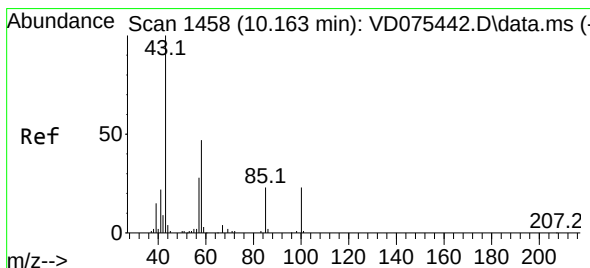
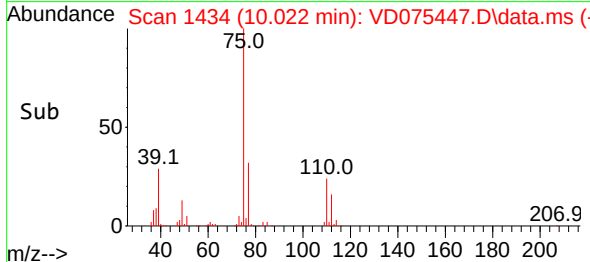
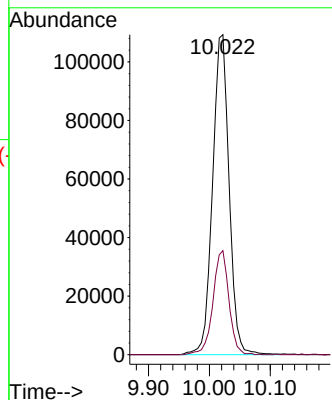
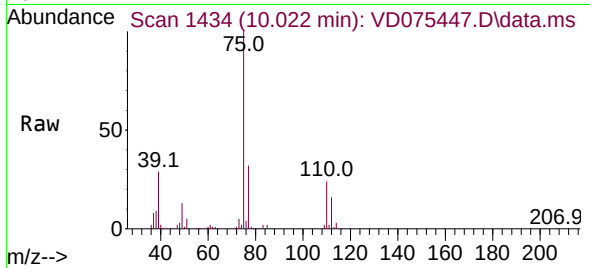




#39
cis-1,3-Dichloropropene
Concen: 28.468 ug/L
RT: 10.022 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

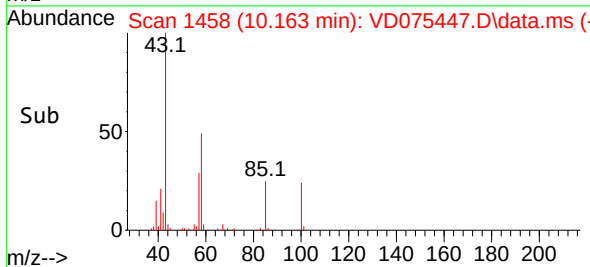
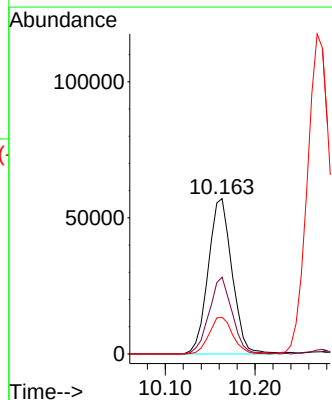
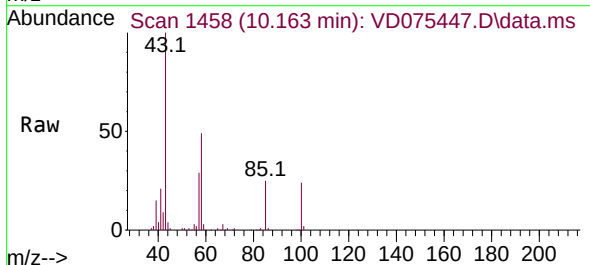
Instrument :
MSVOA_D
ClientSampleId :

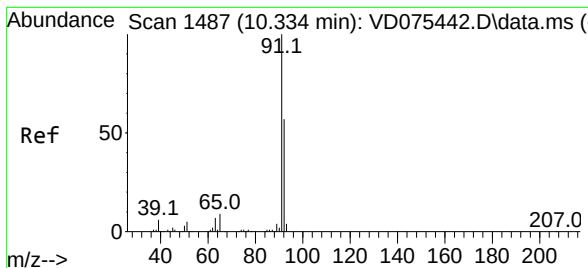
Tgt Ion: 75 Resp: 206033
Ion Ratio Lower Upper
75 100
77 32.5 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 58.054 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 43 Resp: 105286
Ion Ratio Lower Upper
43 100
58 47.6 39.0 58.6
100 23.3 18.7 28.1





#42

Toluene

Concen: 29.166 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

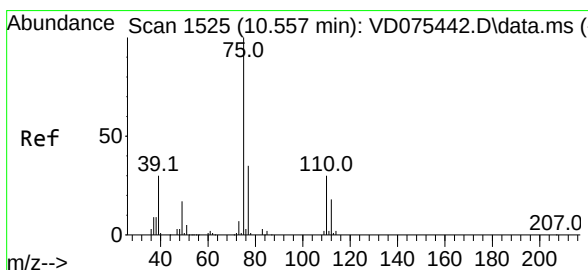
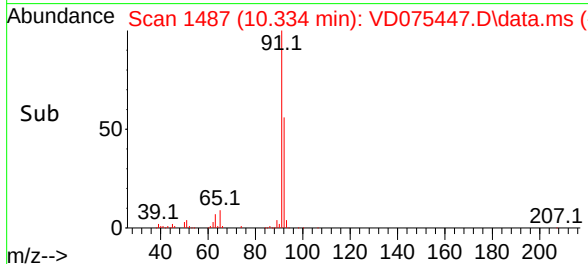
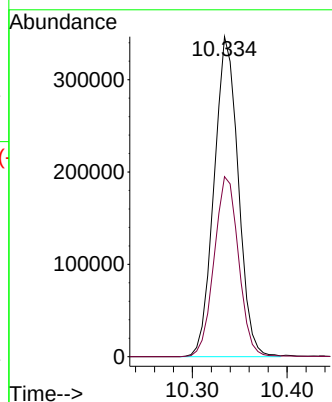
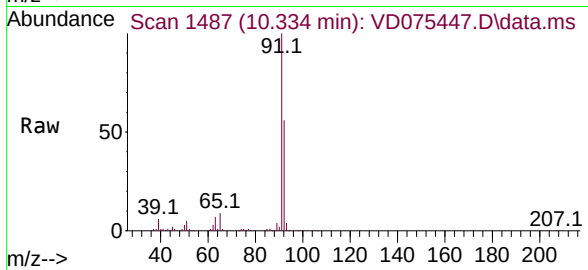
ClientSampleId :

Tgt Ion: 91 Resp: 614484

Ion Ratio Lower Upper

91 100

92 56.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 28.840 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD075447.D

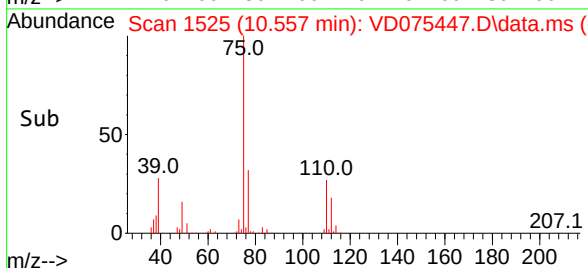
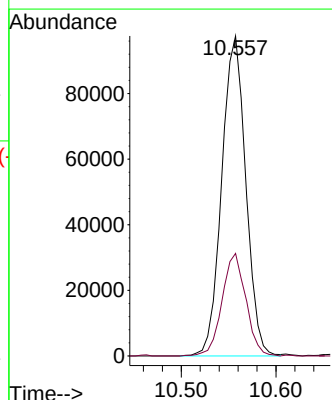
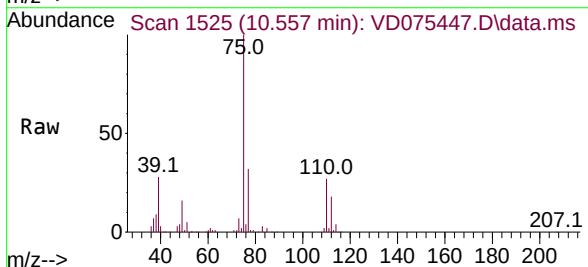
Acq: 03 Mar 2023 15:22

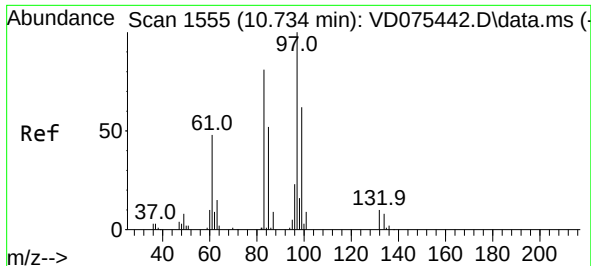
Tgt Ion: 75 Resp: 171973

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

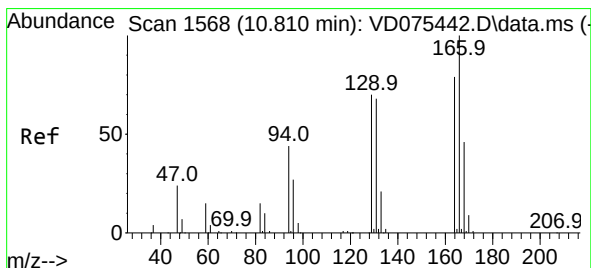
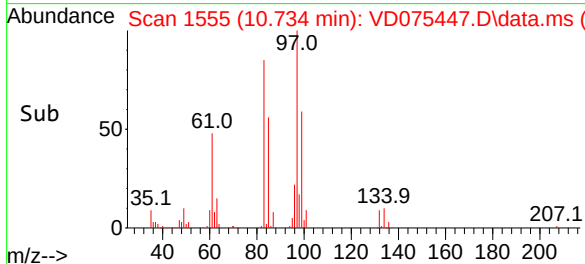
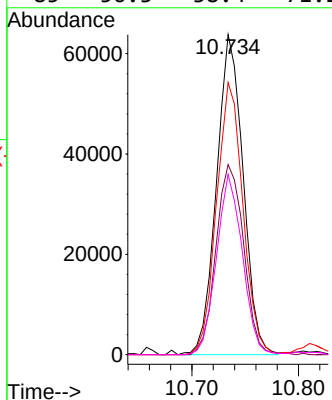
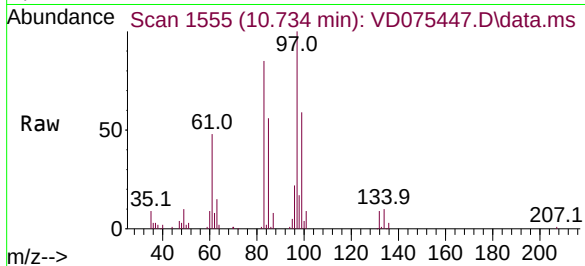




#45
1,1,2-Trichloroethane
Concen: 29.215 ug/L
RT: 10.734 min Scan# 110351
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

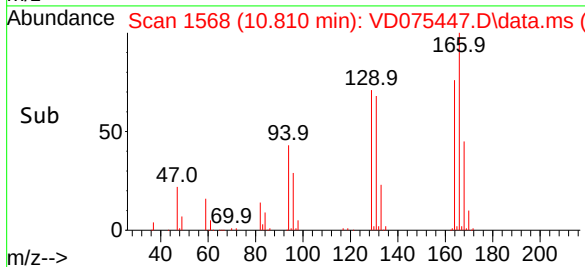
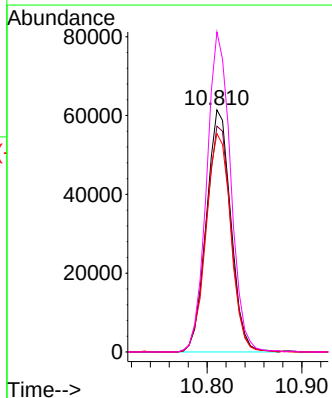
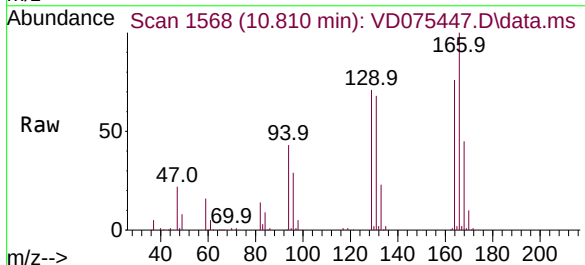
Instrument :
MSVOA_D
ClientSampleId :

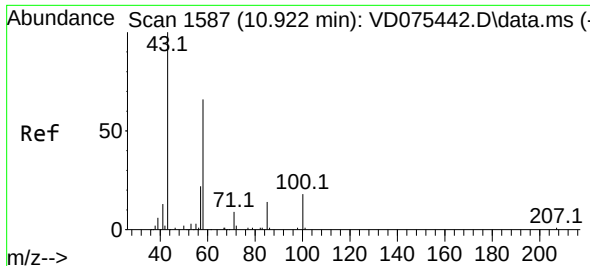
Tgt Ion:	97	Resp:	110351
Ion	Ratio	Lower	Upper
97	100		
99	59.4	40.9	76.0
83	85.1	57.7	107.1
85	56.3	38.4	71.2



#46
Tetrachloroethene
Concen: 28.582 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:	164	Resp:	110076
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.4	121.4
131	90.2	64.1	119.1
166	132.2	88.5	164.3

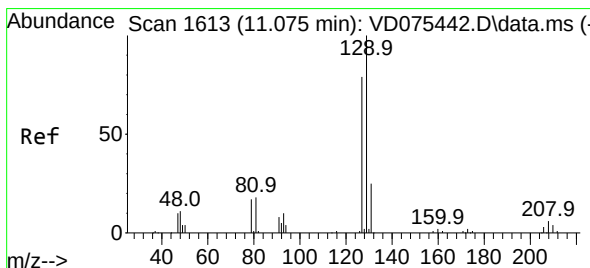
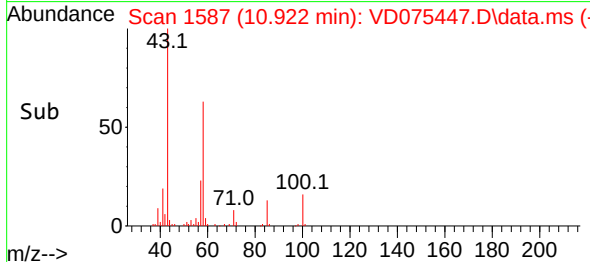
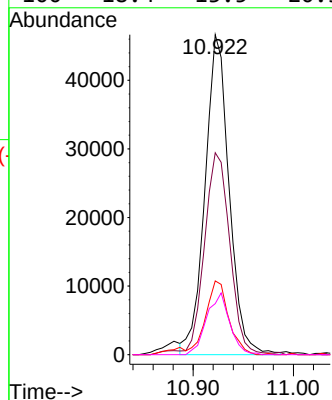
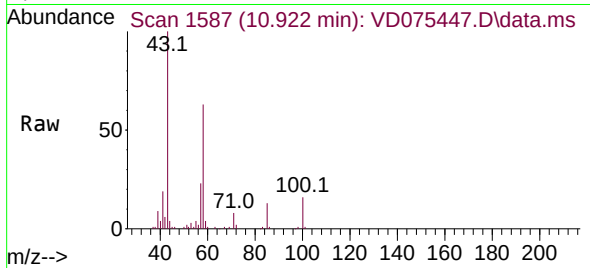




#48
2-Hexanone
Concen: 58.515 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

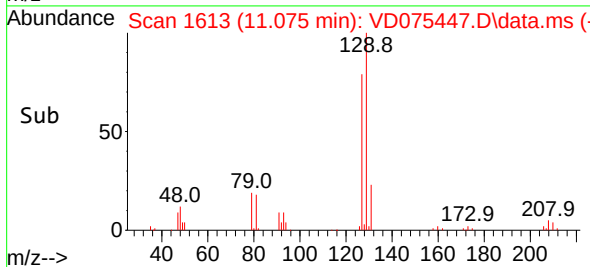
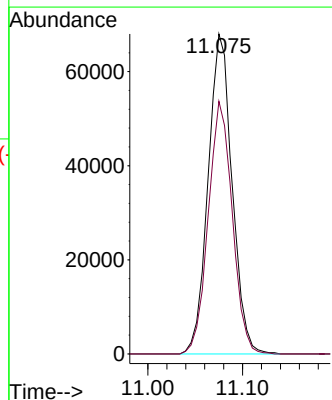
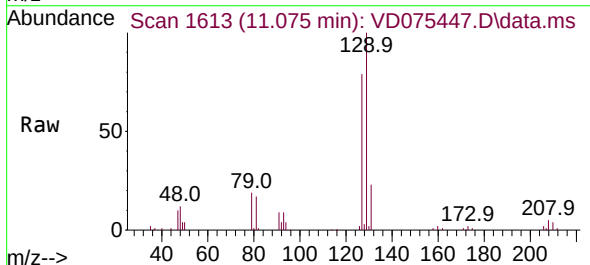
Instrument :
MSVOA_D
ClientSampleId :

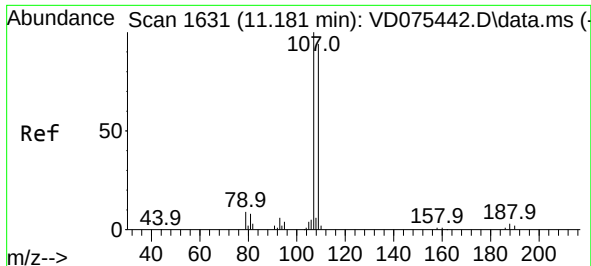
Tgt Ion: 43	Resp: 78080
Ion Ratio	Lower Upper
43 100	
58 66.0	53.1 79.7
57 21.9	16.7 25.1
100 18.4	13.5 20.3



#49
Dibromochloromethane
Concen: 29.069 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:129	Resp: 119939		
Ion Ratio	Lower	Upper	
129 100			
127 79.0	53.7	99.7	

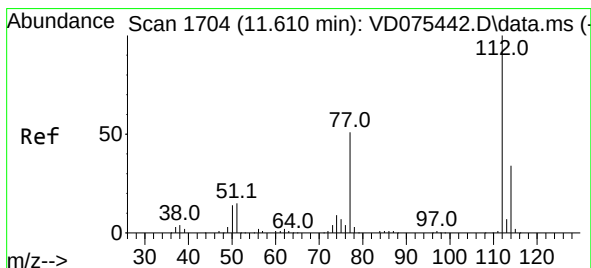
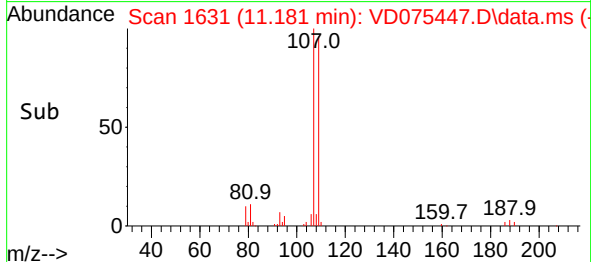
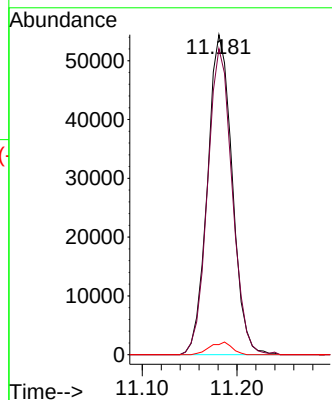
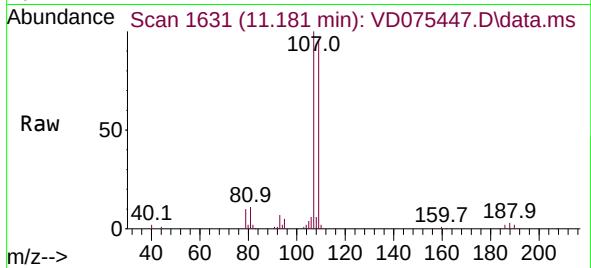




#50
1,2-Dibromoethane
Concen: 28.878 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

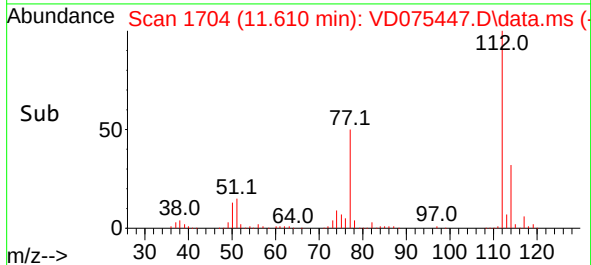
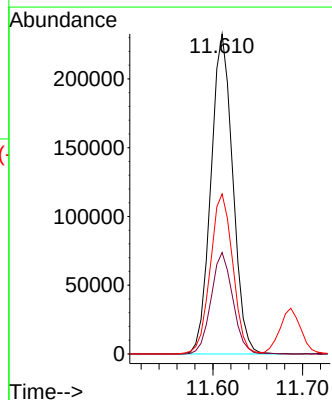
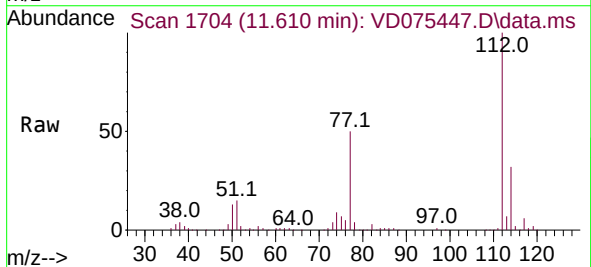
Instrument :
MSVOA_D
ClientSampleId :

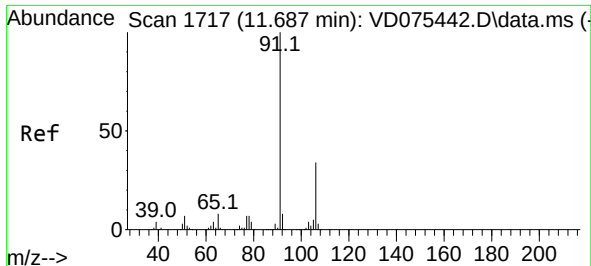
Tgt Ion:107 Resp: 98598
Ion Ratio Lower Upper
107 100
109 95.6 64.2 119.2
188 3.2 2.3 3.5



#51
Chlorobenzene
Concen: 28.753 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:112 Resp: 393752
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 50.0 40.2 60.2

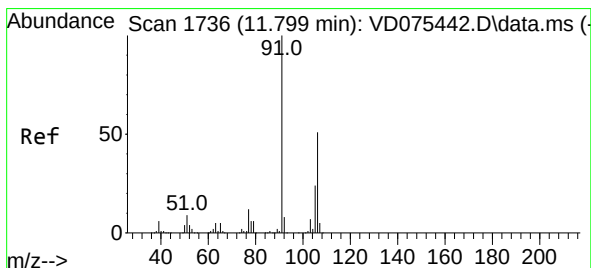
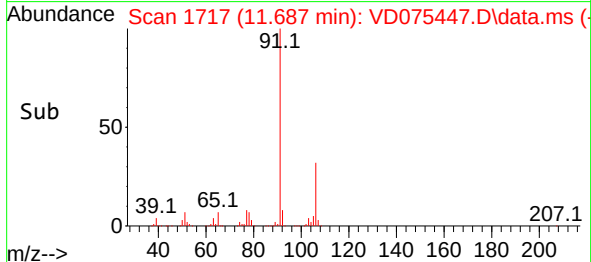
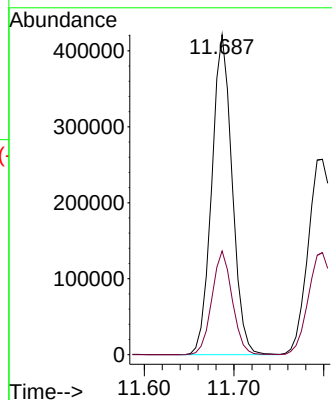
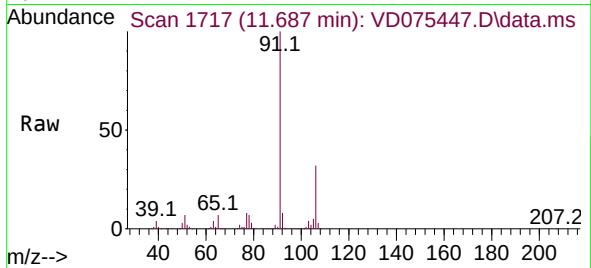




#52
Ethylbenzene
Concen: 29.683 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

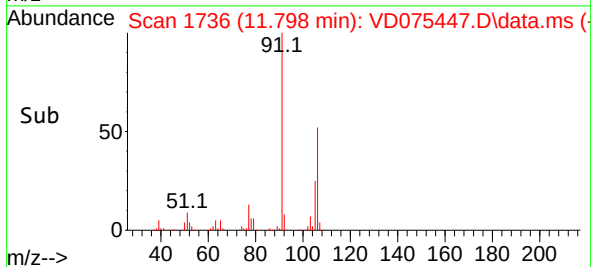
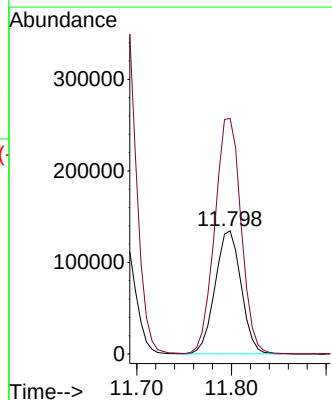
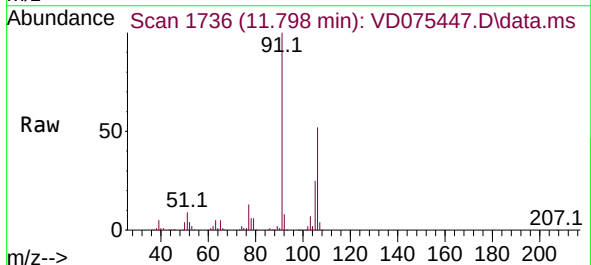
Instrument :
MSVOA_D
ClientSampleId :

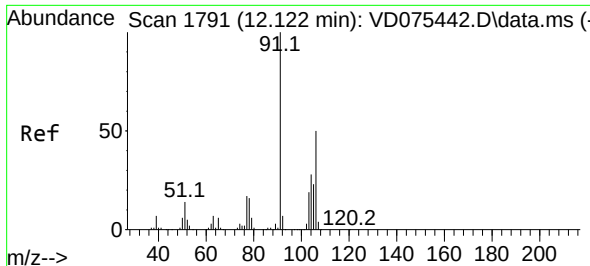
Tgt Ion: 91 Resp: 665060
Ion Ratio Lower Upper
91 100
106 32.4 23.1 42.9



#53
m,p-Xylene
Concen: 29.060 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:106 Resp: 256534
Ion Ratio Lower Upper
106 100
91 191.5 134.1 249.1

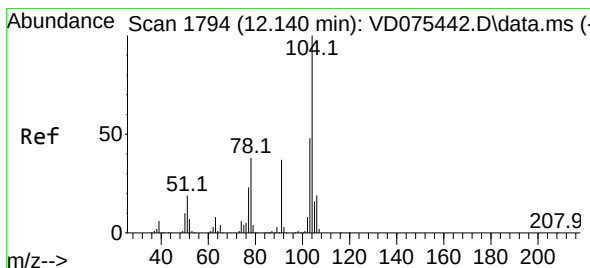
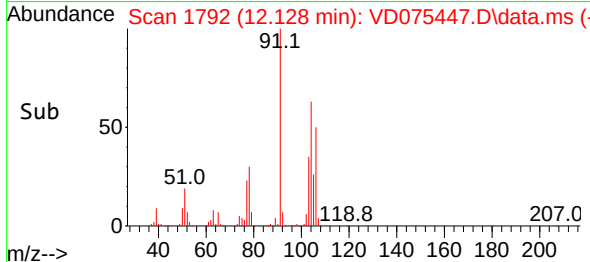
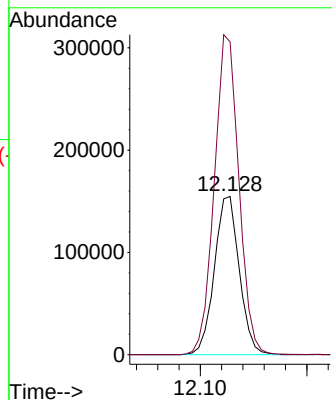
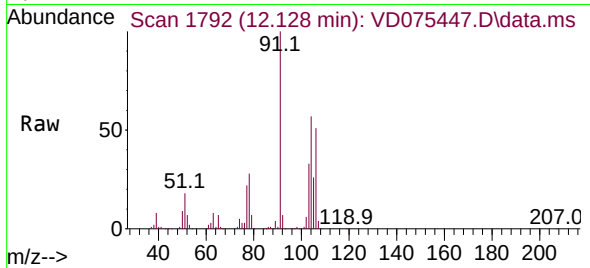




#54
o-Xylene
Concen: 30.031 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

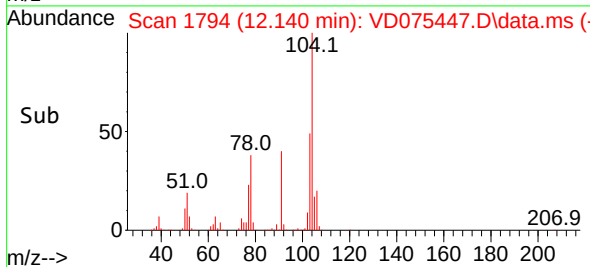
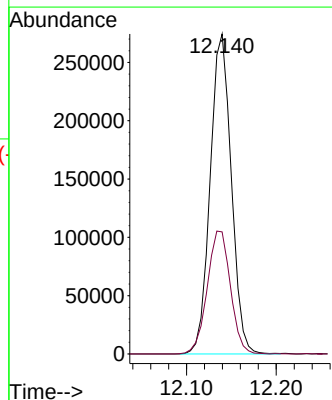
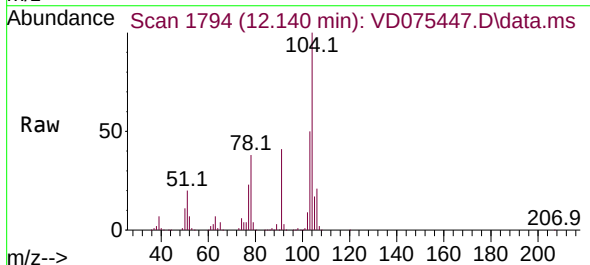
Instrument :
MSVOA_D
ClientSampleId :

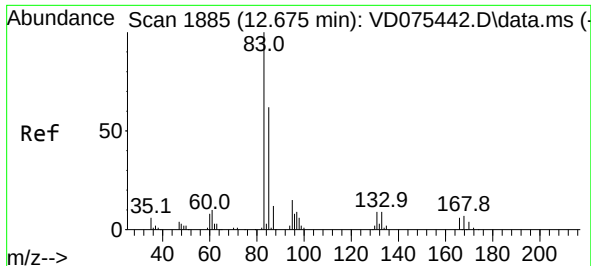
Tgt Ion:106 Resp: 250777
Ion Ratio Lower Upper
106 100
91 197.6 142.3 264.3



#55
Styrene
Concen: 30.213 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:104 Resp: 448109
Ion Ratio Lower Upper
104 100
78 38.1 26.0 48.2

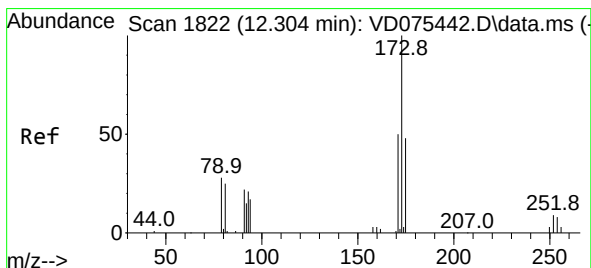
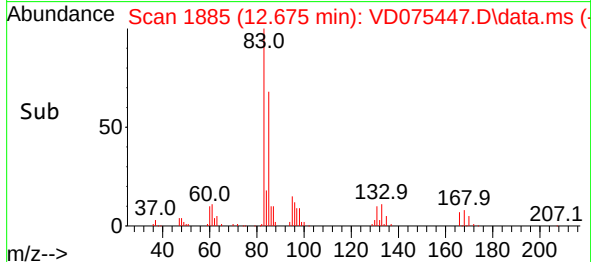
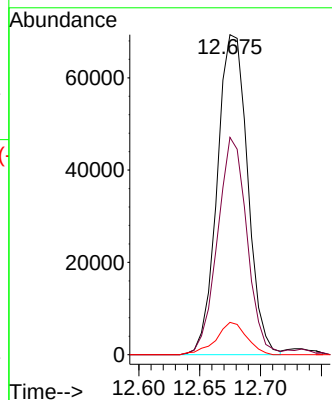
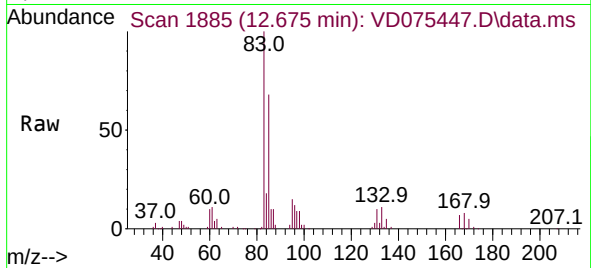




#57
1,1,2,2-Tetrachloroethane
Concen: 29.182 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

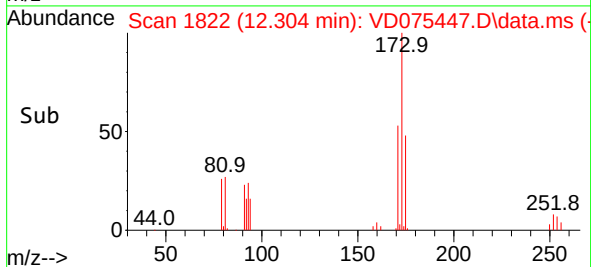
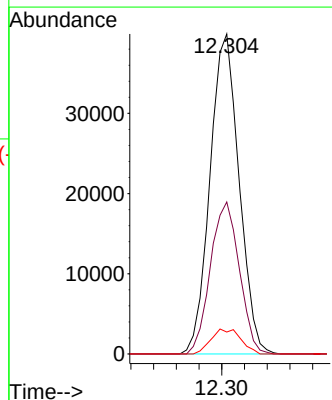
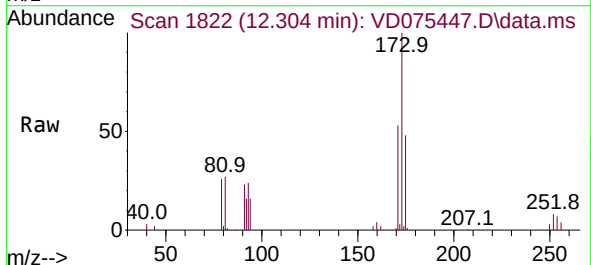
Instrument :
MSVOA_D
ClientSampleId :

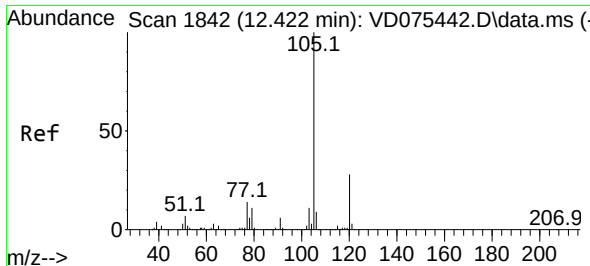
Tgt Ion: 83 Resp: 120639
Ion Ratio Lower Upper
83 100
85 67.9 46.3 85.9
131 10.1 8.1 12.1



#59
Bromoform
Concen: 28.466 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion:173 Resp: 70874
Ion Ratio Lower Upper
173 100
175 47.2 39.3 58.9
254 8.0 7.3 10.9

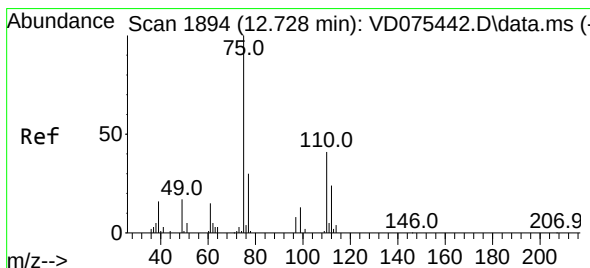
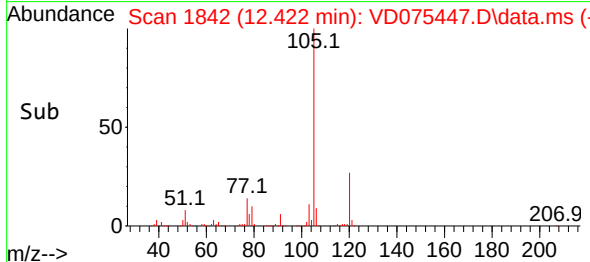
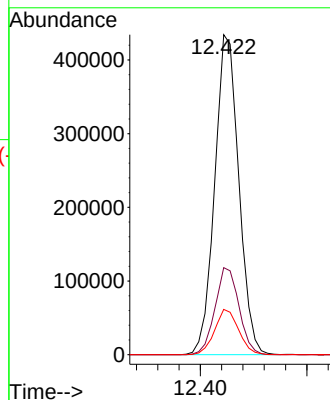
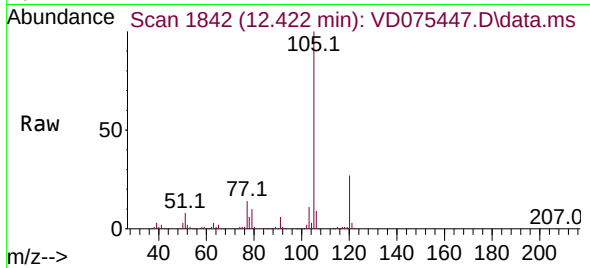




#60
Isopropylbenzene
Concen: 29.355 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

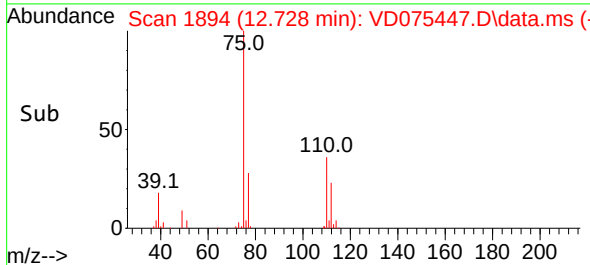
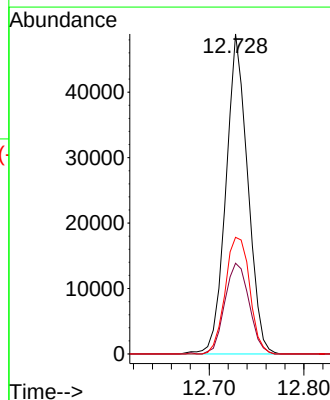
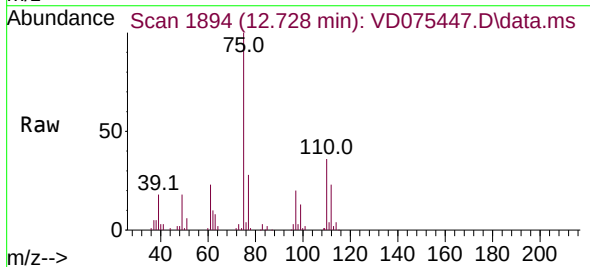
Instrument :
MSVOA_D
ClientSampleId :

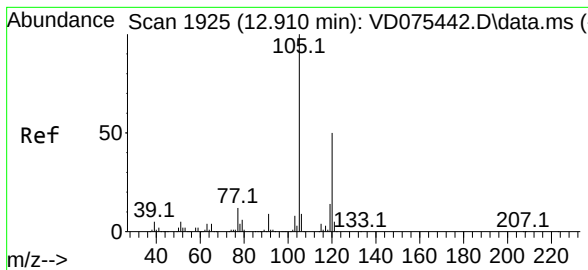
Tgt Ion:105 Resp: 681222
Ion Ratio Lower Upper
105 100
120 27.0 21.8 32.6
77 14.1 11.3 16.9



#61
1,2,3-Trichloropropane
Concen: 28.252 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075447.D
Acq: 03 Mar 2023 15:22

Tgt Ion: 75 Resp: 78143
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.4
110 40.9 33.2 49.8

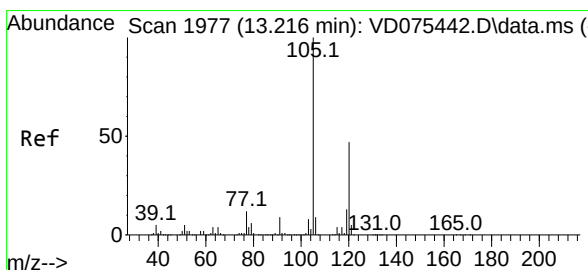
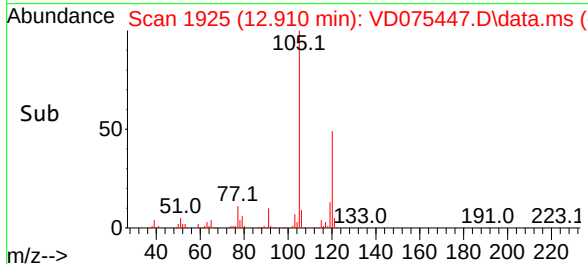
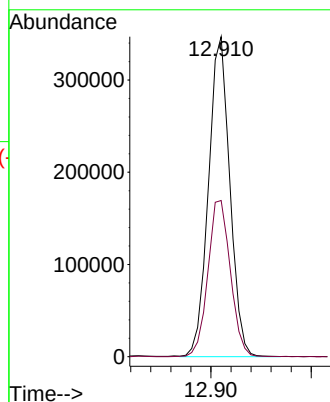
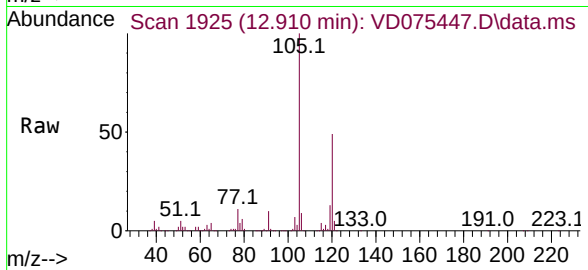




#62
 1,3,5-Trimethylbenzene
 Concen: 29.432 ug/L
 RT: 12.910 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

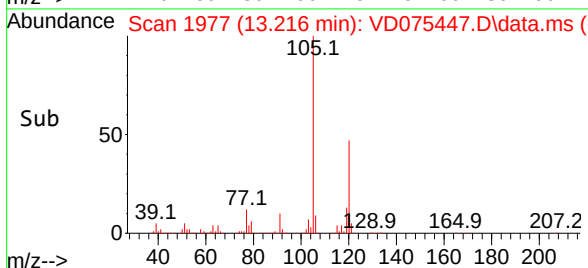
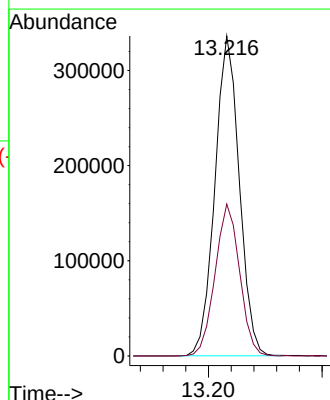
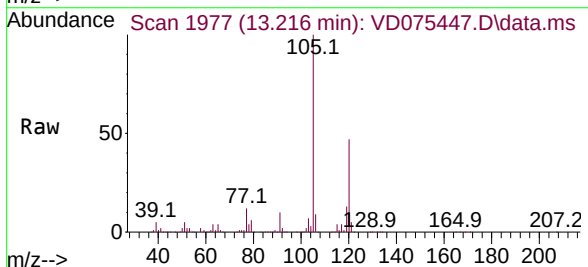
Instrument :
 MSVOA_D
 ClientSampleId :

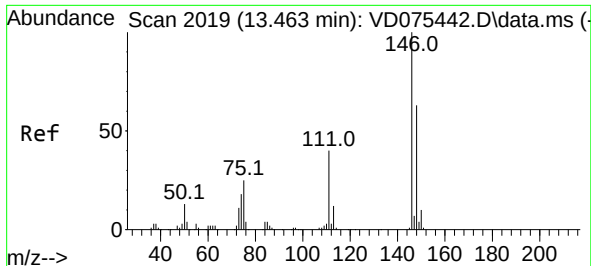
Tgt Ion:105 Resp: 512726
 Ion Ratio Lower Upper
 105 100
 120 51.4 40.6 60.8



#63
 1,2,4-Trimethylbenzene
 Concen: 29.424 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

Tgt Ion:105 Resp: 501204
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.2 57.2





#64

1,3-Dichlorobenzene

Concen: 27.869 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :

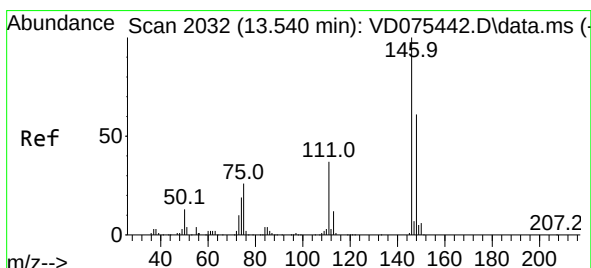
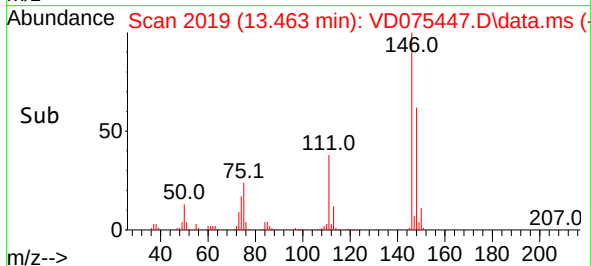
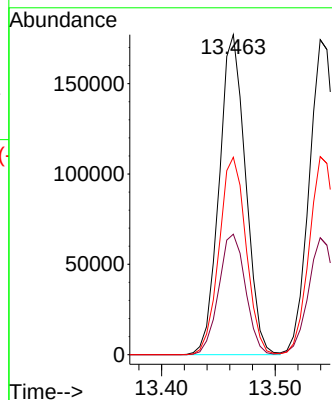
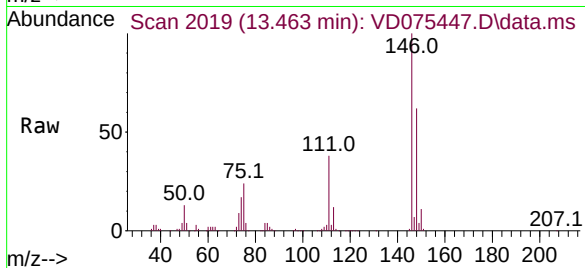
Tgt Ion:146 Resp: 286085

Ion Ratio Lower Upper

146 100

111 37.6 26.0 48.2

148 61.7 42.4 78.6



#65

1,4-Dichlorobenzene

Concen: 27.631 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

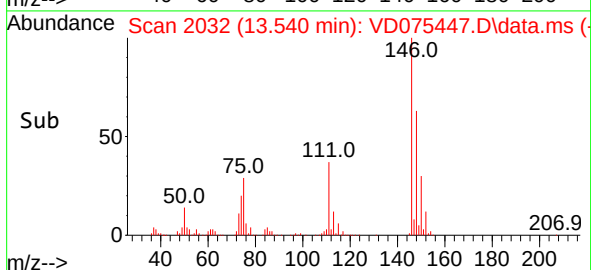
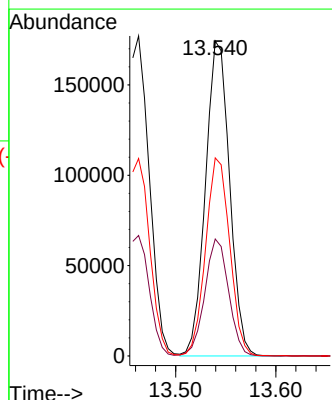
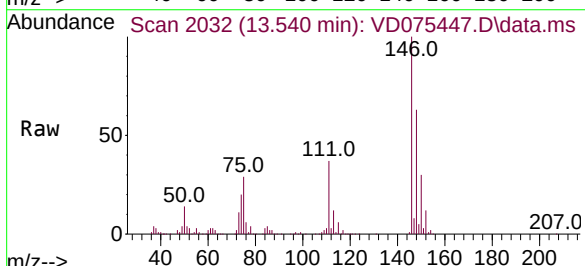
Tgt Ion:146 Resp: 291775

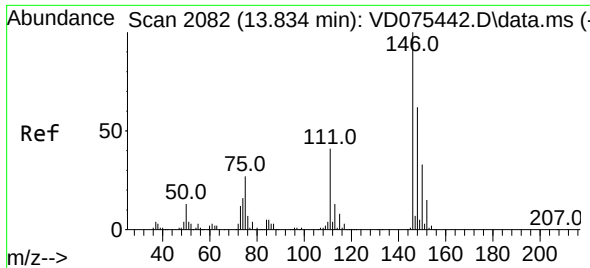
Ion Ratio Lower Upper

146 100

111 37.1 24.8 46.1

148 62.9 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 27.768 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :

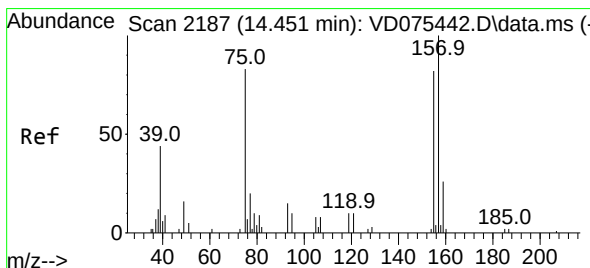
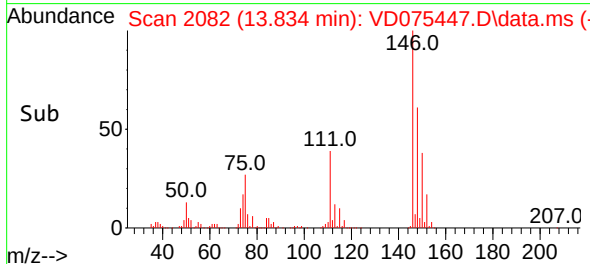
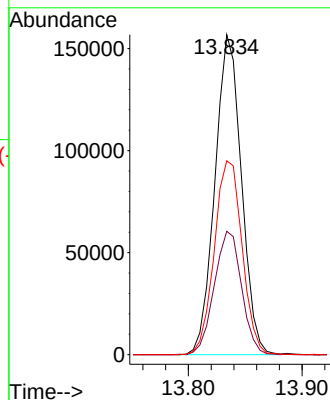
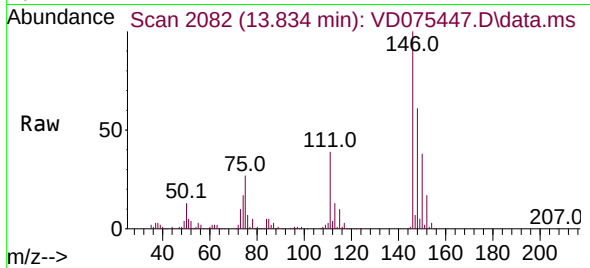
Tgt Ion:146 Resp: 253989

Ion Ratio Lower Upper

146 100

111 38.5 31.0 46.6

148 60.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 29.045 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

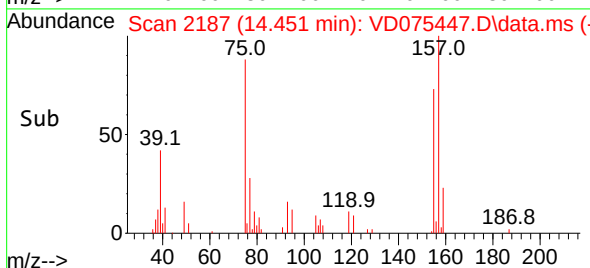
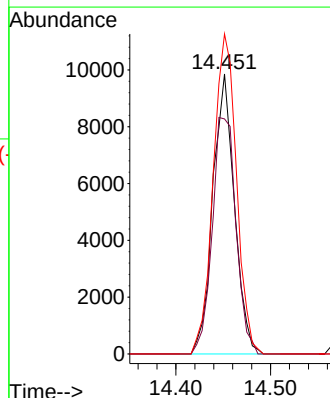
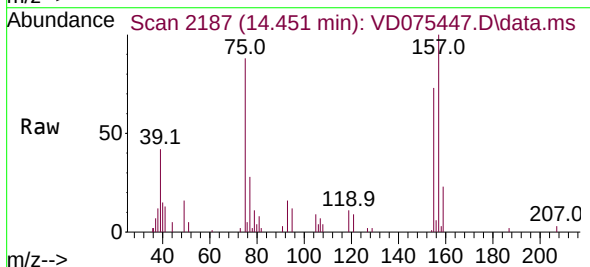
Tgt Ion: 75 Resp: 15601

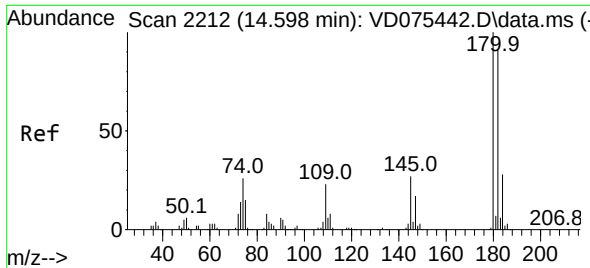
Ion Ratio Lower Upper

75 100

155 83.9 71.3 106.9

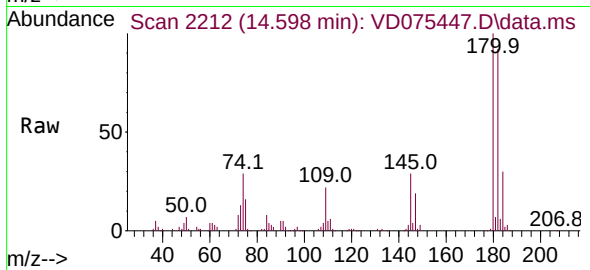
157 114.3 85.8 128.6



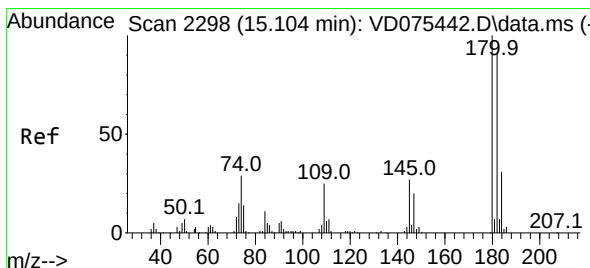
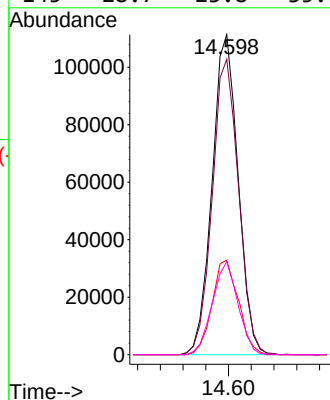
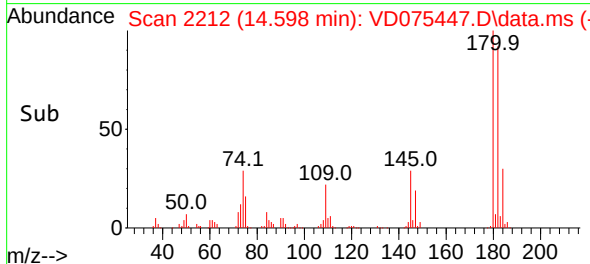


#69
 1,3,5-Trichlorobenzene
 Concen: 27.502 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22

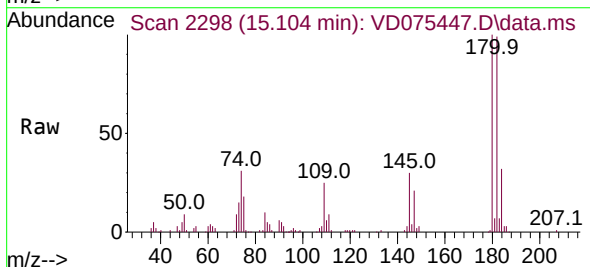
Instrument :
 MSVOA_D
 ClientSampleId :



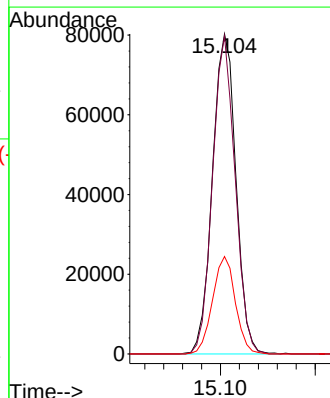
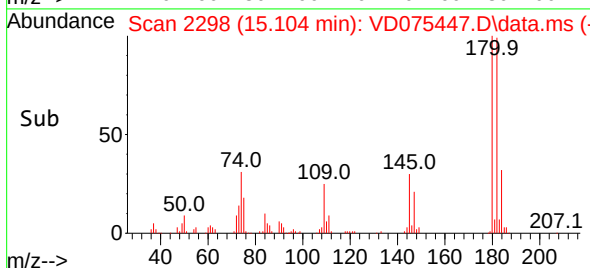
Tgt Ion:180 Resp: 177042
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.5 114.7
 184 29.9 23.6 35.4
 145 28.7 23.8 35.6

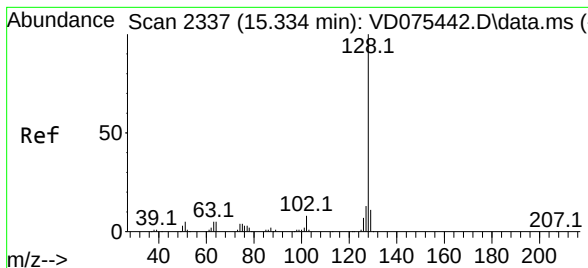


#70
 1,2,4-trichlorobenzene
 Concen: 26.717 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. -0.000 min
 Lab File: VD075447.D
 Acq: 03 Mar 2023 15:22



Tgt Ion:180 Resp: 138283
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.3 111.5
 145 29.6 23.0 34.6





#71

Naphthalene

Concen: 27.318 ug/L

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :

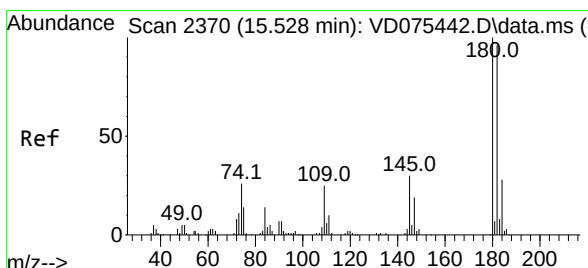
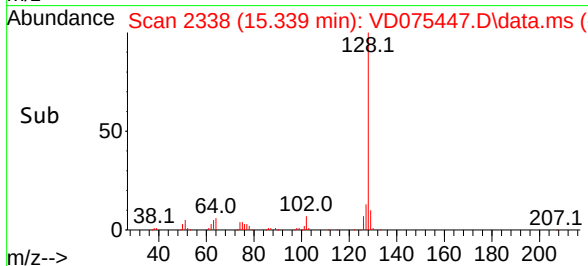
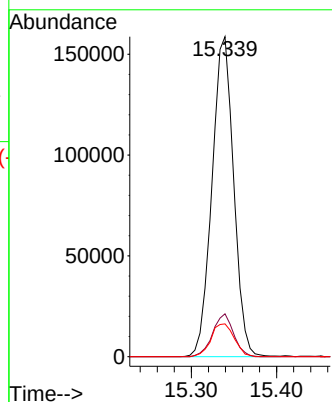
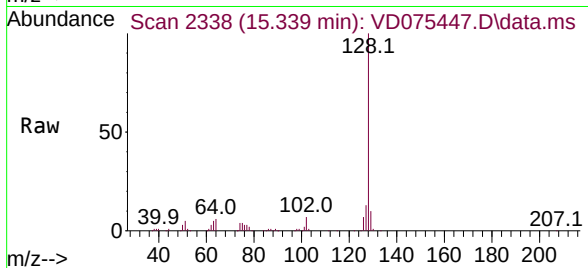
Tgt Ion:128 Resp: 280443

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 27.189 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VD075447.D

Acq: 03 Mar 2023 15:22

Tgt Ion:180 Resp: 124044

Ion Ratio Lower Upper

180 100

182 97.6 75.3 112.9

145 32.4 25.1 37.7

