

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077362.D
 Acq On : 20 Oct 2023 13:02
 Operator : JC/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:28:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	180602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	309450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	150985	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80796	50.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.200%	
35) Dibromofluoromethane	7.810	113	94335	43.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.780%	
50) Toluene-d8	10.269	98	342144	43.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.880%	
62) 4-Bromofluorobenzene	12.575	95	97655	43.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.140%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	38783	23.099	ug/l	96
3) Chloromethane	2.152	50	65038	19.022	ug/l	98
4) Vinyl Chloride	2.287	62	95011	23.525	ug/l	98
5) Bromomethane	2.687	94	65567	25.263	ug/l	99
6) Chloroethane	2.840	64	68996	24.301	ug/l	99
7) Trichlorofluoromethane	3.175	101	94560	23.079	ug/l	100
8) Diethyl Ether	3.593	74	18860	17.175	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	42974	20.274	ug/l	98
10) Methyl Iodide	4.158	142	40616	15.660	ug/l	92
11) Tert butyl alcohol	5.040	59	4152	45.768	ug/l	95
12) 1,1-Dichloroethene	3.940	96	38919	18.716	ug/l	95
13) Acrolein	3.793	56	15776	100.179	ug/l	95
14) Allyl chloride	4.558	41	41885	21.229	ug/l	97
15) Acrylonitrile	5.252	53	39631	119.092	ug/l	97
16) Acetone	4.022	43	40446	114.371	ug/l #	86
17) Carbon Disulfide	4.275	76	124169	20.313	ug/l	98
18) Methyl Acetate	4.558	43	27348	22.220	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	75879	21.424	ug/l	97
20) Methylene Chloride	4.799	84	59381	25.396	ug/l #	84
21) trans-1,2-Dichloroethene	5.311	96	46878	21.675	ug/l	98
22) Diisopropyl ether	6.216	45	94876	24.496	ug/l	97
23) Vinyl Acetate	6.158	43	221677	122.133	ug/l	96
24) 1,1-Dichloroethane	6.111	63	77120	23.949	ug/l	98
25) 2-Butanone	7.081	43	44971	122.590	ug/l	90
26) 2,2-Dichloropropane	7.075	77	63725	21.703	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	50441	20.800	ug/l	99
28) Bromochloromethane	7.428	49	29342	24.944	ug/l	91
29) Tetrahydrofuran	7.446	42	26758	126.448	ug/l	93
30) Chloroform	7.599	83	84171	22.782	ug/l	94
31) Cyclohexane	7.881	56	54956	21.903	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	71380	22.394	ug/l	99
36) 1,1-Dichloropropene	8.005	75	60021	21.011	ug/l	99
37) Ethyl Acetate	7.163	43	21708	24.192	ug/l	96
38) Carbon Tetrachloride	7.993	117	63836	20.088	ug/l	95
39) Methylcyclohexane	9.275	83	66771	19.237	ug/l	91
40) Benzene	8.252	78	181428	20.928	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	11394	26.606	ug/l	91
42) 1,2-Dichloroethane	8.322	62	45421	22.244	ug/l	97
43) Isopropyl Acetate	8.363	43	37344	23.117	ug/l	95
44) Trichloroethene	9.034	130	48653	19.196	ug/l	99
45) 1,2-Dichloropropane	9.305	63	43300	21.668	ug/l	90
46) Dibromomethane	9.393	93	25442	20.365	ug/l	92
47) Bromodichloromethane	9.587	83	77937	26.162	ug/l	99
48) Methyl methacrylate	9.381	41	15093	20.653	ug/l	91
49) 1,4-Dioxane	9.381	88	4652	401.963	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	95946	118.486	ug/l	94
52) Toluene	10.334	92	115283	20.368	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	56115	20.985	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	67708	20.695	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	36233	20.940	ug/l	98
56) Ethyl methacrylate	10.599	69	32753	19.806	ug/l	95
57) 1,3-Dichloropropane	10.881	76	55927	21.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	98590	120.557	ug/l	98
59) 2-Hexanone	10.922	43	69649	119.756	ug/l	95
60) Dibromochloromethane	11.075	129	41315	18.699	ug/l	93
61) 1,2-Dibromoethane	11.181	107	32751	20.086	ug/l	100
64) Tetrachloroethene	10.810	164	38660	17.818	ug/l	95
65) Chlorobenzene	11.604	112	120865	18.996	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	45926	18.988	ug/l	98
67) Ethyl Benzene	11.687	91	201699	19.123	ug/l	95
68) m/p-Xylenes	11.793	106	167758	38.732	ug/l	97
69) o-Xylene	12.122	106	73961	18.550	ug/l	97
70) Styrene	12.140	104	128131	18.836	ug/l	97
71) Bromoform	12.298	173	23693	17.870	ug/l #	96
73) Isopropylbenzene	12.422	105	190185	19.044	ug/l	96
74) N-amyl acetate	12.234	43	32678	22.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	40823	22.495	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	45980	23.942	ug/l #	100
77) Bromobenzene	12.698	156	47866	18.256	ug/l	92
78) n-propylbenzene	12.763	91	244396	20.320	ug/l	97
79) 2-Chlorotoluene	12.851	91	130895	19.981	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	161993	19.656	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	13062	23.181	ug/l	97
82) 4-Chlorotoluene	12.945	91	140858	20.652	ug/l	96
83) tert-Butylbenzene	13.169	119	133958	18.334	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	158632	19.118	ug/l	100
85) sec-Butylbenzene	13.345	105	217073	19.743	ug/l	95
86) p-Isopropyltoluene	13.463	119	174993	18.320	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	103686	18.791	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	103129	18.861	ug/l	97
89) n-Butylbenzene	13.787	91	164412	19.767	ug/l	98
90) Hexachloroethane	14.057	117	38510	19.945	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	88472	18.981	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5474	24.644	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	48419	16.673	ug/l	97
94) Hexachlorobutadiene	15.204	225	26662	16.165	ug/l	97
95) Naphthalene	15.334	128	83194	16.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	43774	17.366	ug/l	99

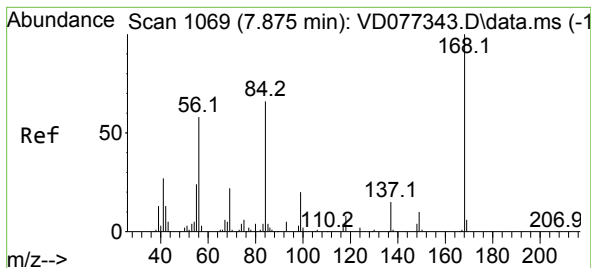
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QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

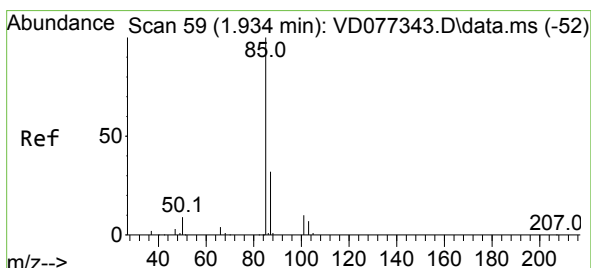
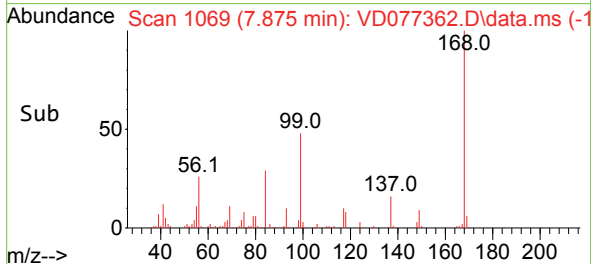
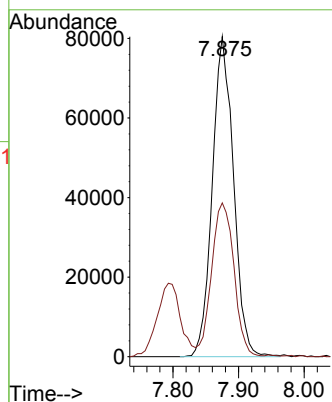
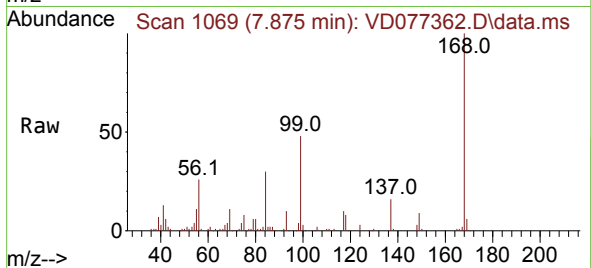
ClientSampleId :

Tgt Ion:168 Resp: 180602

Ion Ratio Lower Upper

168 100

99 47.9 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 23.099 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077362.D

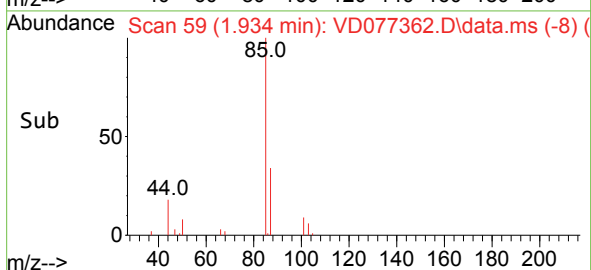
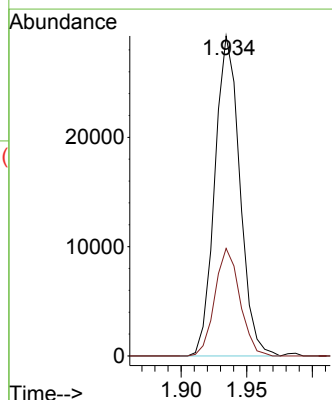
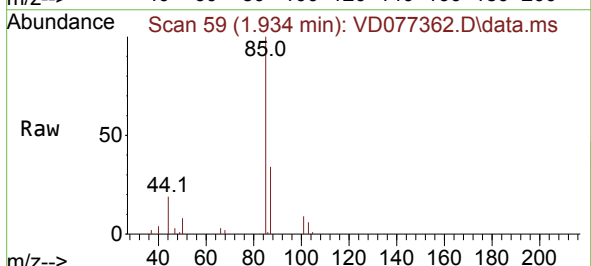
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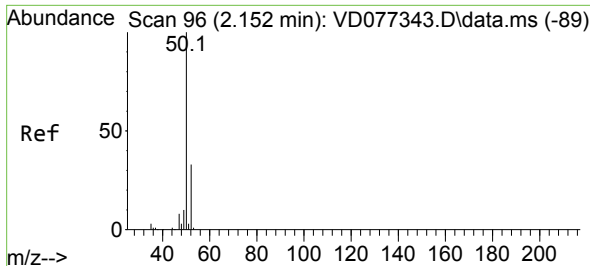
Tgt Ion: 85 Resp: 38783

Ion Ratio Lower Upper

85 100

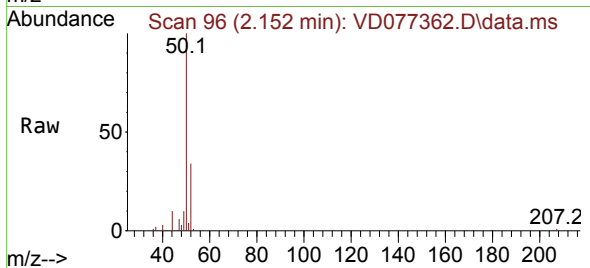
87 33.6 15.7 47.0



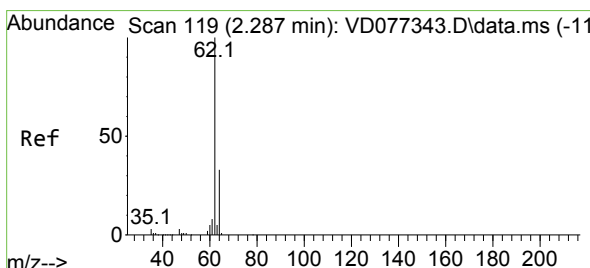
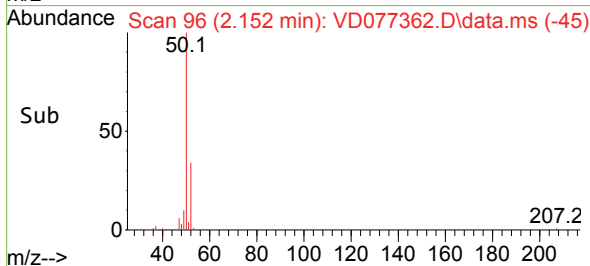
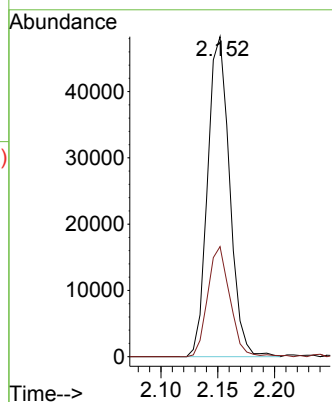


#3
Chloromethane
Concen: 19.022 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Instrument :
MSVOA_D
ClientSampleId :

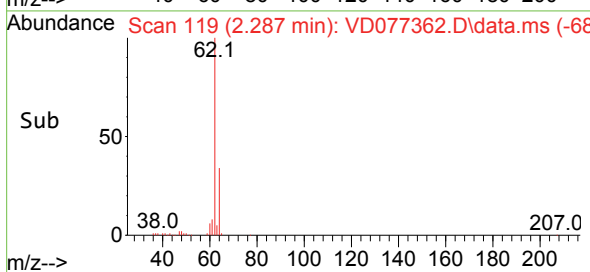
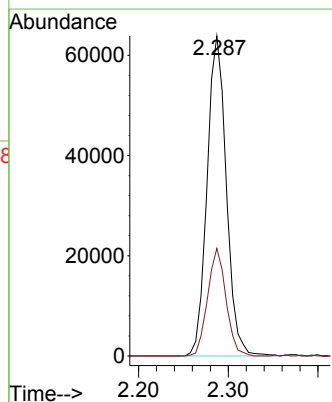
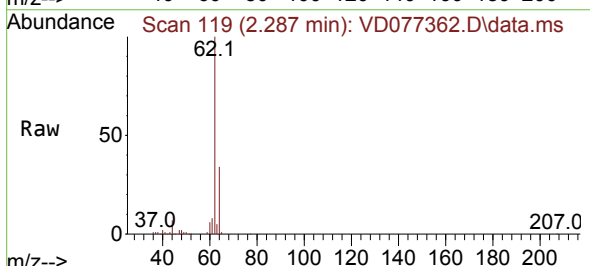


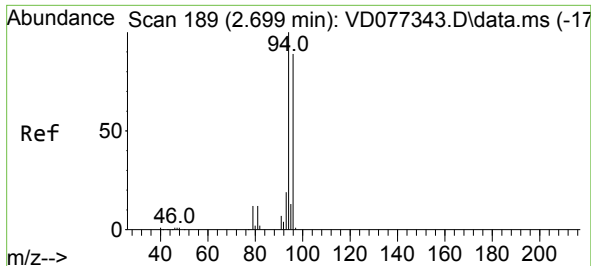
Tgt Ion: 50 Resp: 65038
Ion Ratio Lower Upper
50 100
52 34.4 26.6 40.0



#4
Vinyl Chloride
Concen: 23.525 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 62 Resp: 95011
Ion Ratio Lower Upper
62 100
64 33.6 26.0 39.0

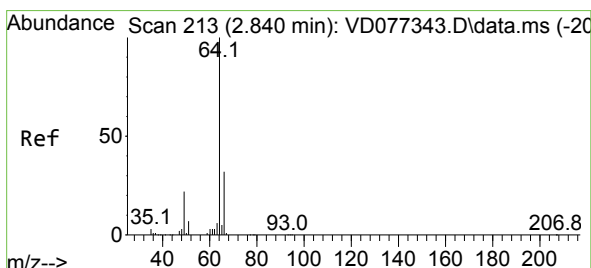
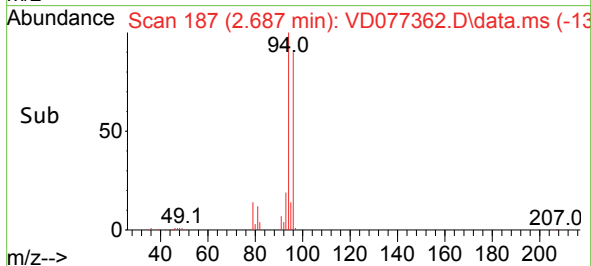
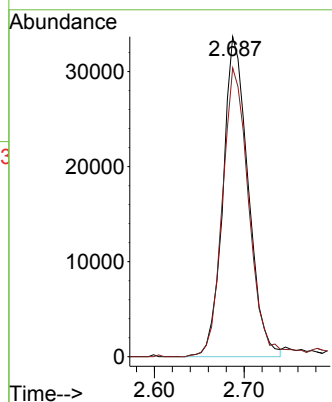
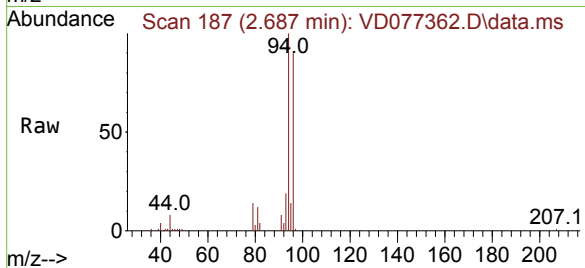




#5
Bromomethane
Concen: 25.263 ug/l
RT: 2.687 min Scan# 189
Delta R.T. -0.012 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

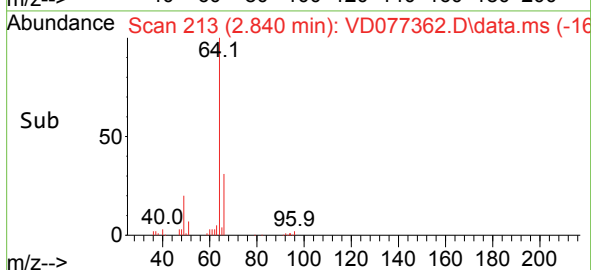
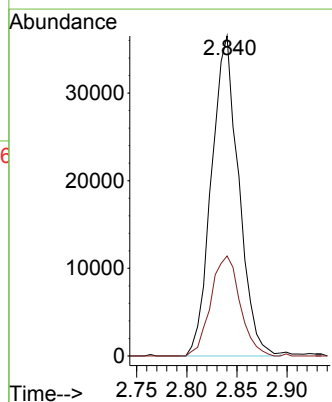
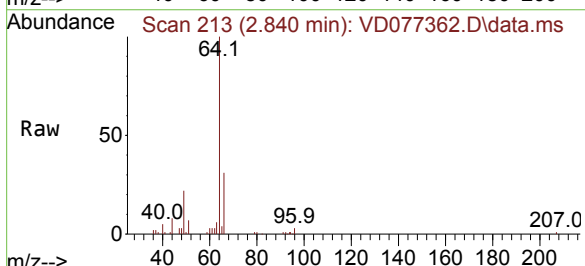
Instrument :
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ClientSampleId :

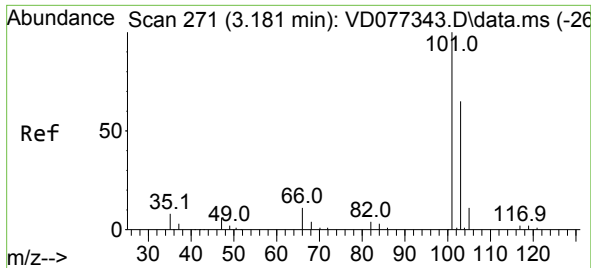
Tgt Ion: 94 Resp: 65567
Ion Ratio Lower Upper
94 100
96 95.4 75.8 113.8



#6
Chloroethane
Concen: 24.301 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 64 Resp: 68996
Ion Ratio Lower Upper
64 100
66 31.3 25.5 38.3

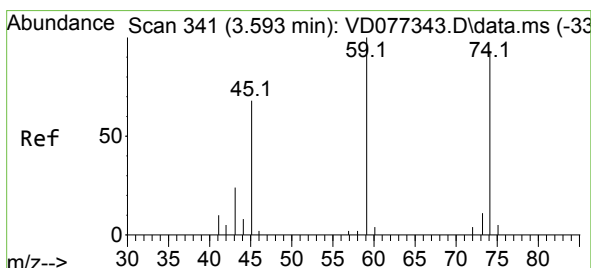
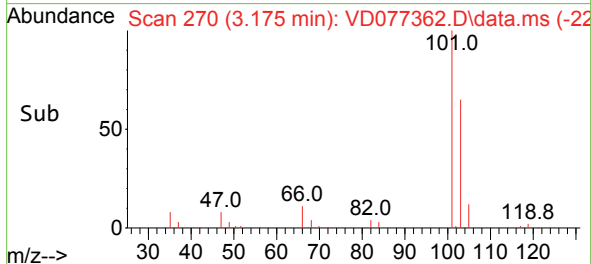
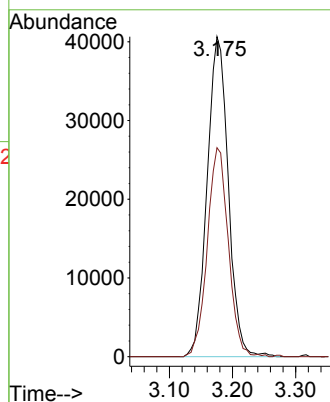
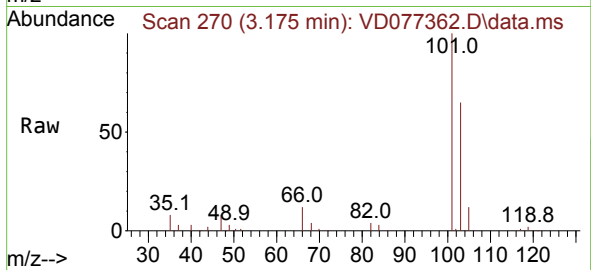




#7
Trichlorofluoromethane
Concen: 23.079 ug/l
RT: 3.175 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

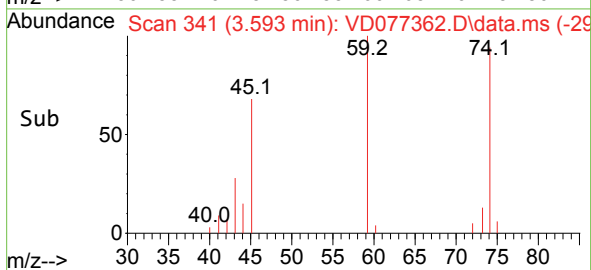
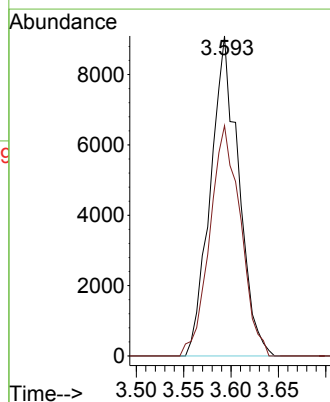
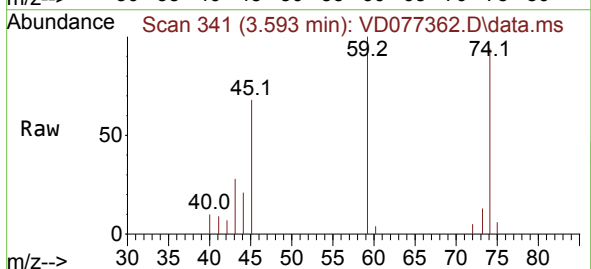
Instrument :
MSVOA_D
ClientSampleId :

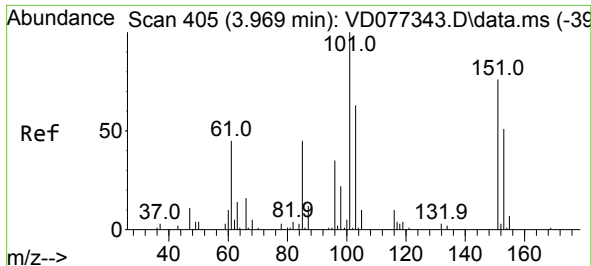
Tgt Ion:101 Resp: 94560
Ion Ratio Lower Upper
101 100
103 65.3 52.3 78.5



#8
Diethyl Ether
Concen: 17.175 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 74 Resp: 18860
Ion Ratio Lower Upper
74 100
45 78.3 37.5 112.7

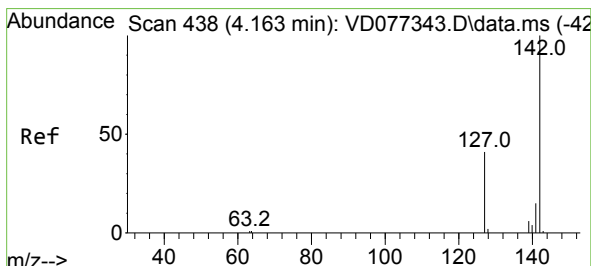
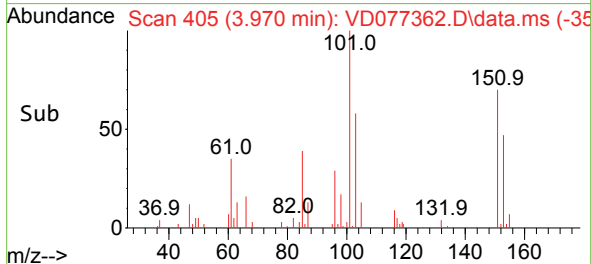
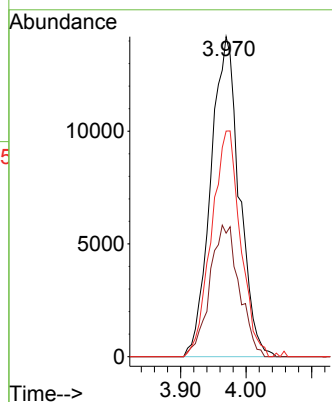
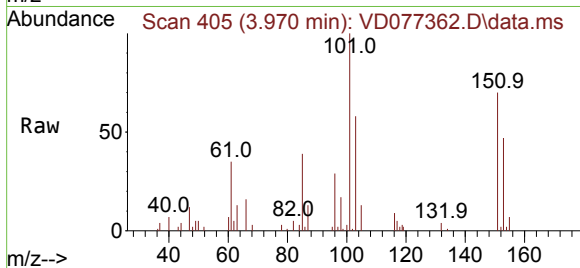




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.274 ug/l
 RT: 3.970 min Scan# 405
 Delta R.T. 0.001 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

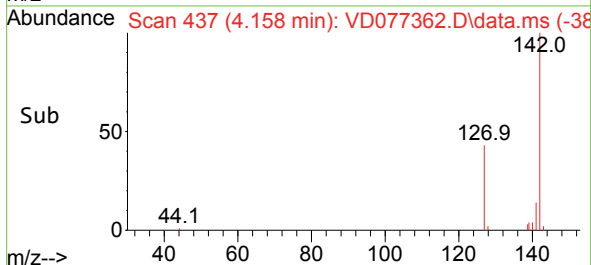
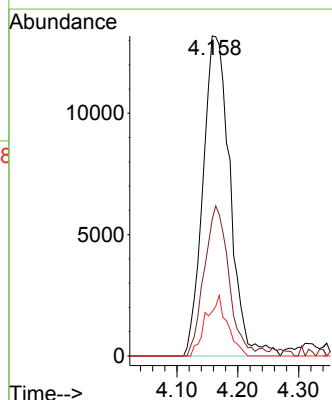
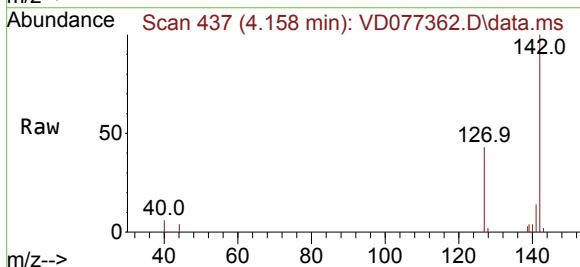
Instrument :
 MSVOA_D
 ClientSampleId :

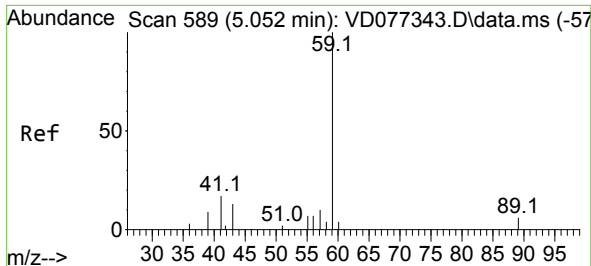
Tgt Ion:101	Resp:	42974
Ion	Ratio	Lower Upper
101	100	
85	42.4	33.8 50.6
151	71.6	59.8 89.6



#10
 Methyl Iodide
 Concen: 15.660 ug/l
 RT: 4.158 min Scan# 437
 Delta R.T. -0.005 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

Tgt Ion:142	Resp:	40616
Ion	Ratio	Lower Upper
142	100	
127	42.5	29.4 44.0
141	15.0	11.1 16.7

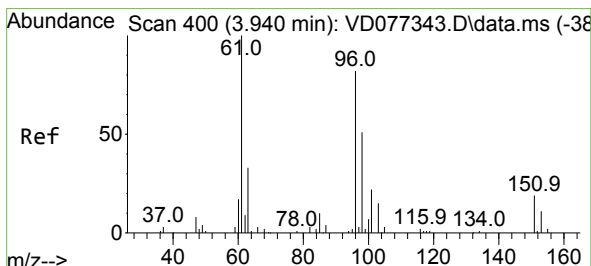
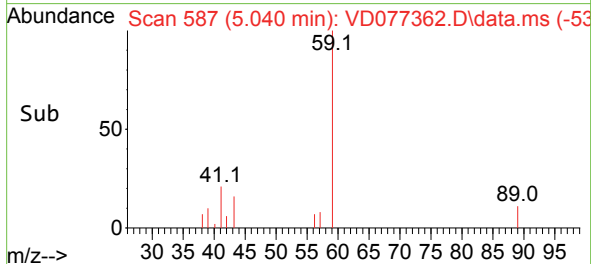
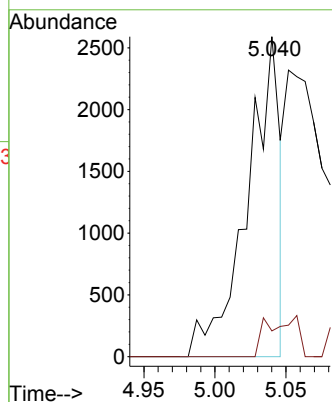
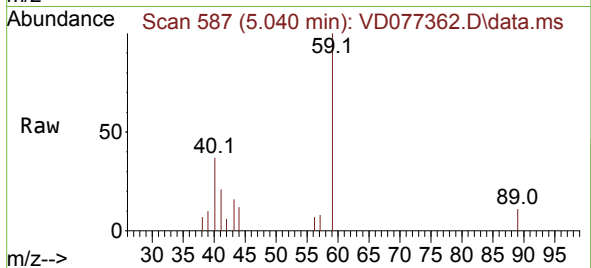




#11
Tert butyl alcohol
Concen: 45.768 ug/l
RT: 5.040 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

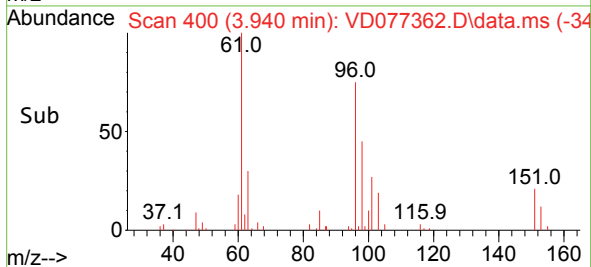
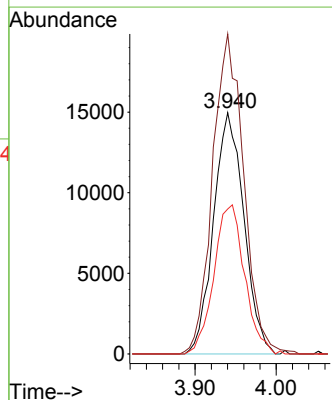
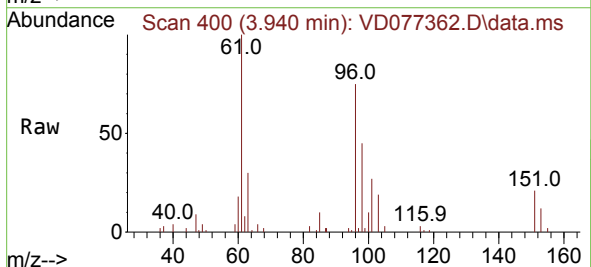
Instrument :
MSVOA_D
ClientSampleId :

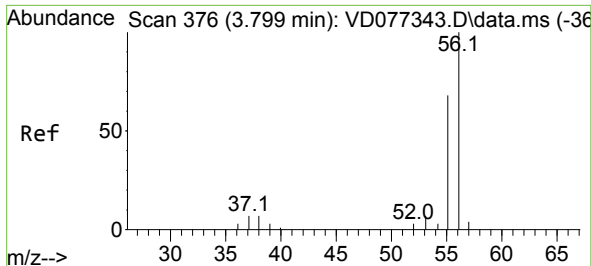
Tgt Ion: 59 Resp: 4152
Ion Ratio Lower Upper
59 100
57 11.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 18.716 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 96 Resp: 38919
Ion Ratio Lower Upper
96 100
61 132.7 100.6 150.8
98 60.1 50.2 75.2





#13

Acrolein

Concen: 100.179 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

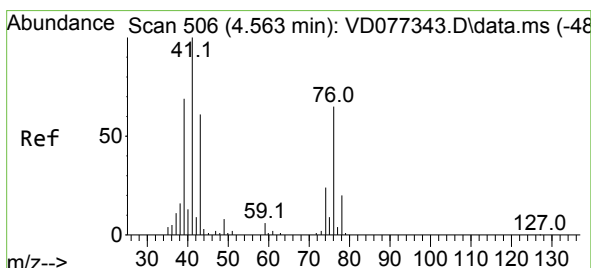
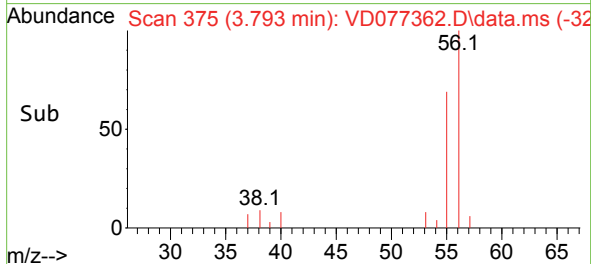
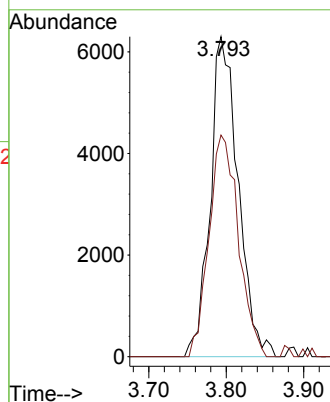
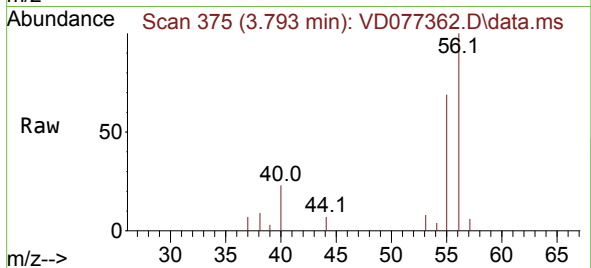
ClientSampleId :

Tgt Ion: 56 Resp: 15776

Ion Ratio Lower Upper

56 100

55 73.0 55.1 82.7



#14

Allyl chloride

Concen: 21.229 ug/l

RT: 4.558 min Scan# 505

Delta R.T. -0.005 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

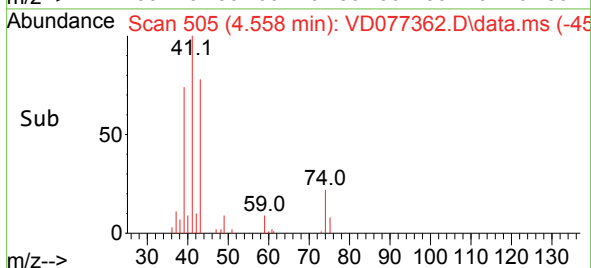
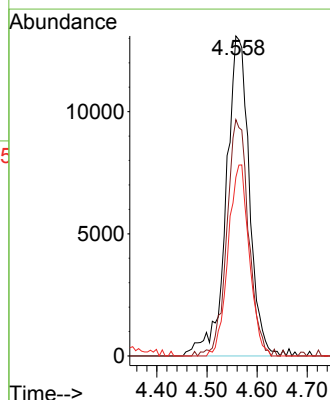
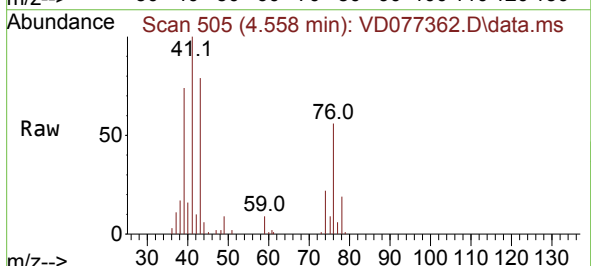
Tgt Ion: 41 Resp: 41885

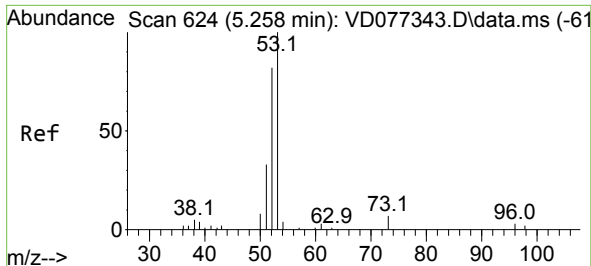
Ion Ratio Lower Upper

41 100

39 69.4 53.8 80.6

76 54.7 45.8 68.8





#15

Acrylonitrile

Concen: 119.092 ug/l

RT: 5.252 min Scan# 61

Delta R.T. -0.006 min

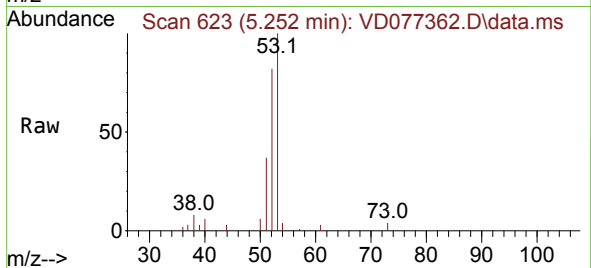
Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

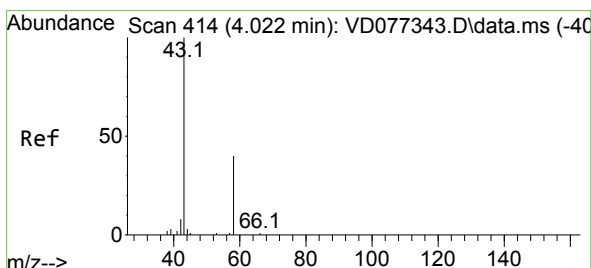
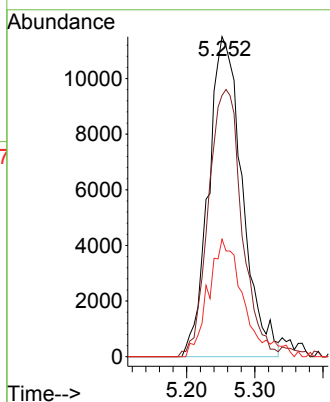
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	53	Resp:	39631
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.0	97.4
51	38.4	28.3	42.5



#16

Acetone

Concen: 114.371 ug/l

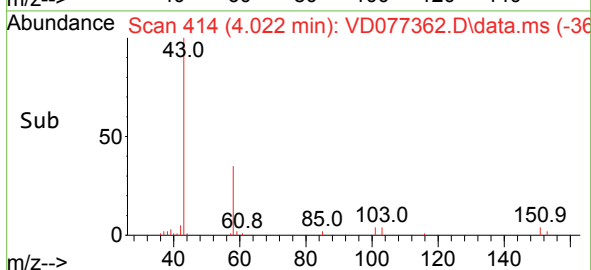
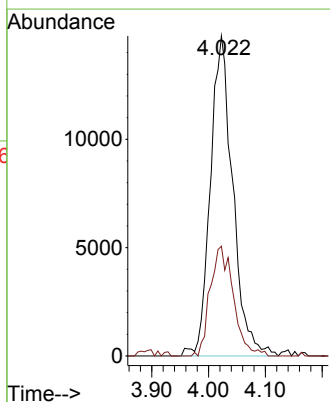
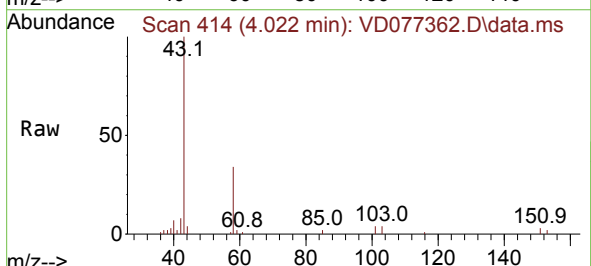
RT: 4.022 min Scan# 414

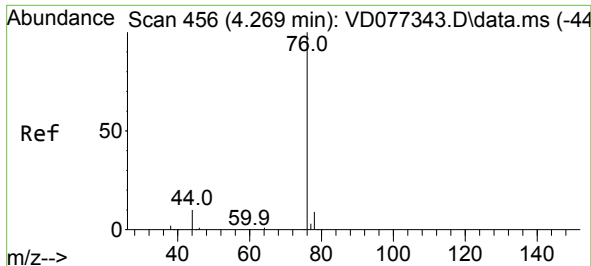
Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion:	43	Resp:	40446
Ion	Ratio	Lower	Upper
43	100		
58	34.3	34.7	52.1#

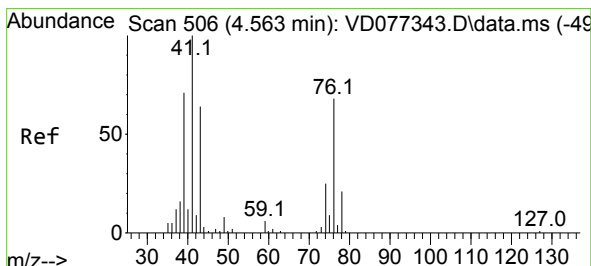
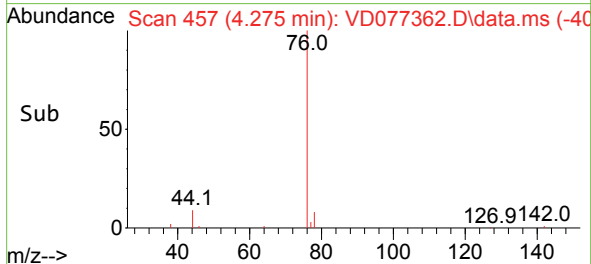
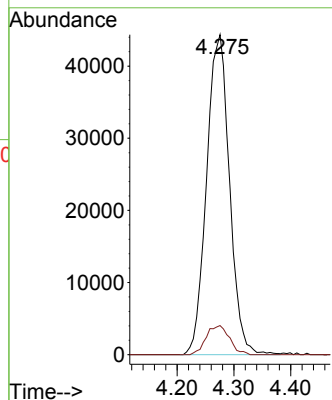
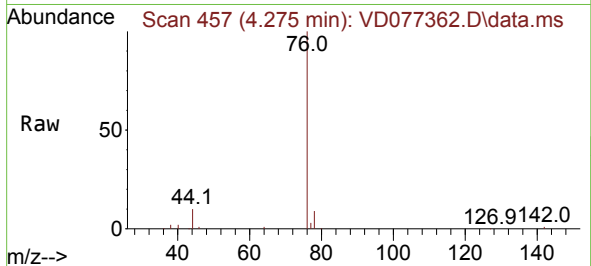




#17
Carbon Disulfide
Concen: 20.313 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

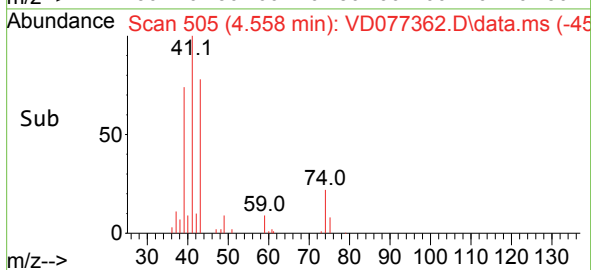
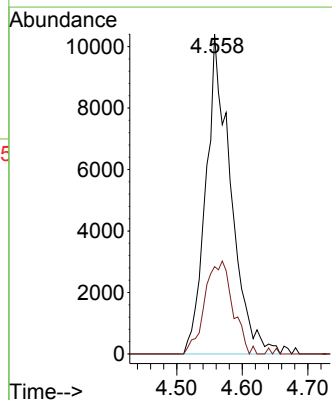
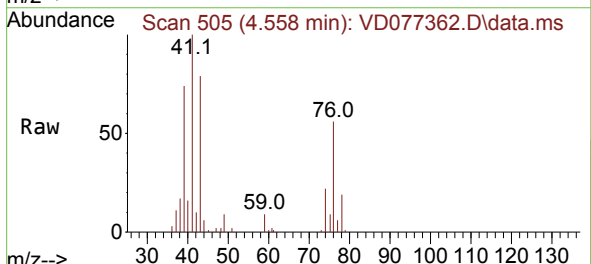
Instrument :
MSVOA_D
ClientSampleId :

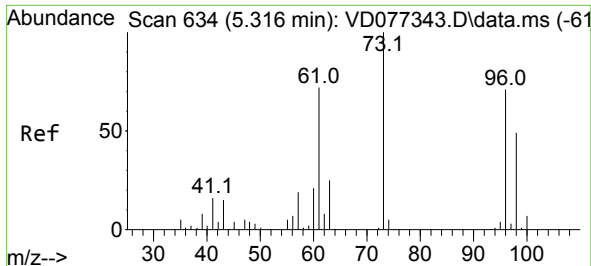
Tgt Ion: 76 Resp: 124169
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 22.220 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 43 Resp: 27348
Ion Ratio Lower Upper
43 100
74 32.6 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 21.424 ug/l

RT: 5.322 min Scan# 61

Delta R.T. 0.006 min

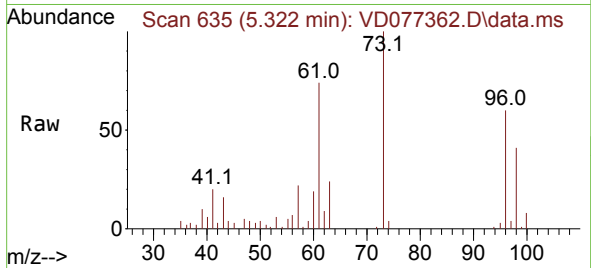
Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

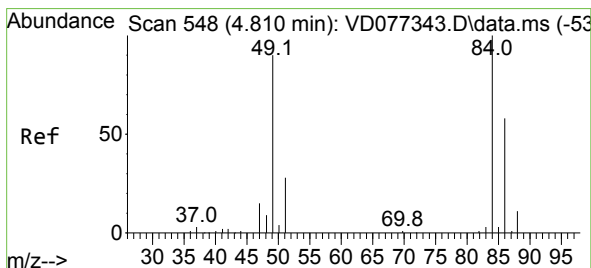
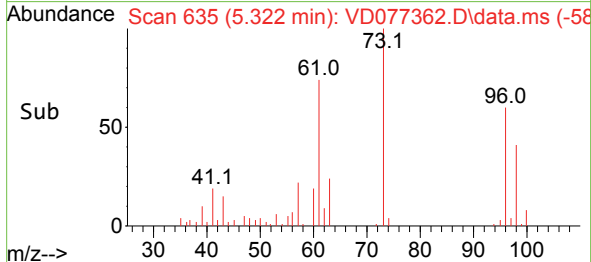
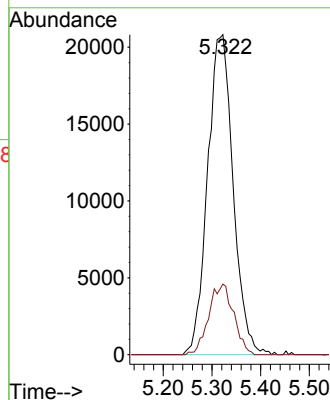


Tgt Ion: 73 Resp: 75879

Ion Ratio Lower Upper

73 100

57 22.0 16.6 25.0



#20

Methylene Chloride

Concen: 25.396 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion: 84 Resp: 59381

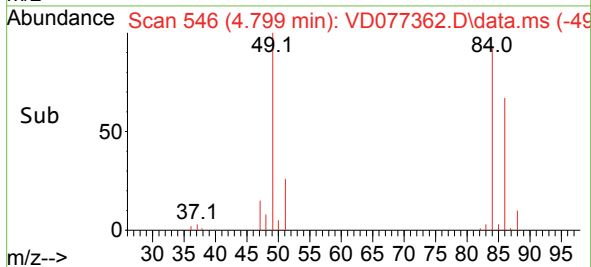
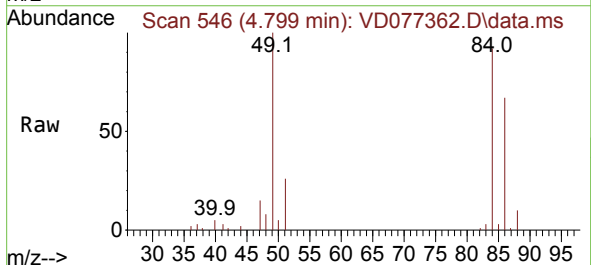
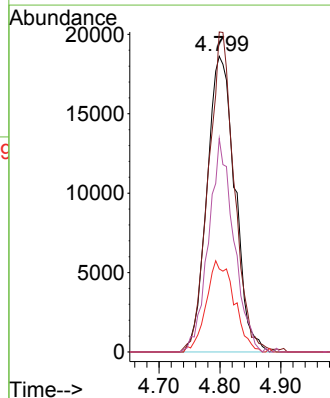
Ion Ratio Lower Upper

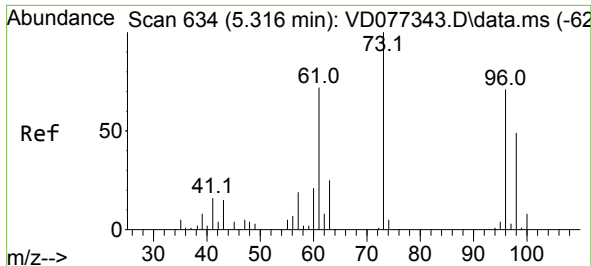
84 100

49 108.2 71.4 107.2#

51 28.1 24.5 36.7

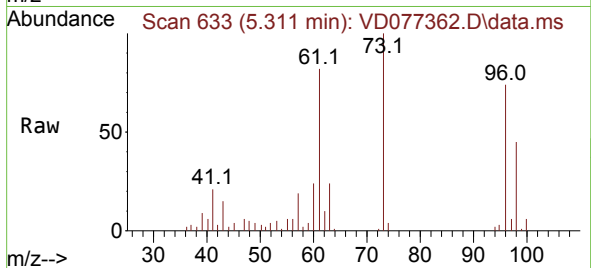
86 72.2 48.7 73.1



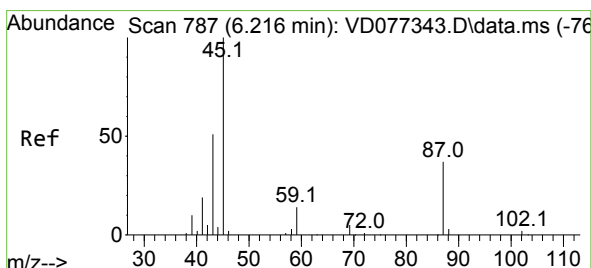
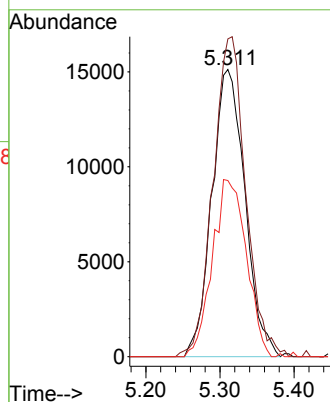
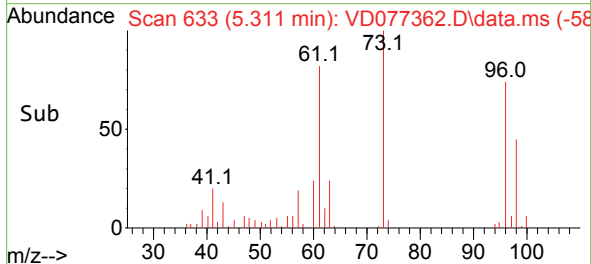


#21
trans-1,2-Dichloroethene
Concen: 21.675 ug/l
RT: 5.311 min Scan# 611
Delta R.T. -0.005 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

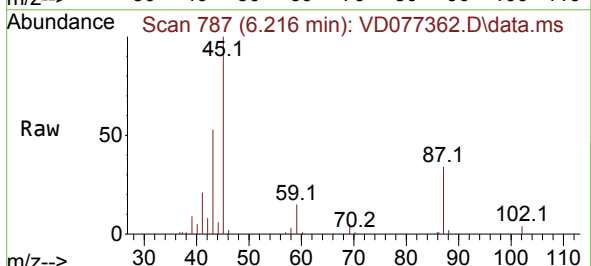
Instrument :
MSVOA_D
ClientSampleId :



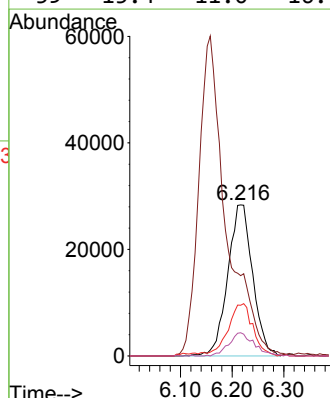
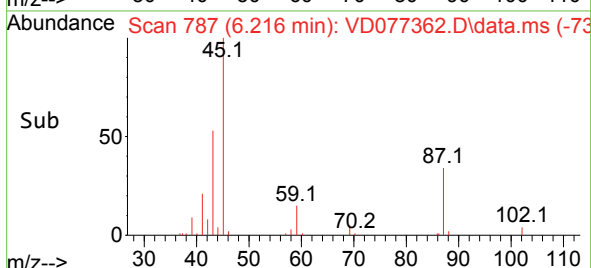
Tgt Ion: 96 Resp: 46878
Ion Ratio Lower Upper
96 100
61 109.3 89.3 133.9
98 61.4 48.6 73.0

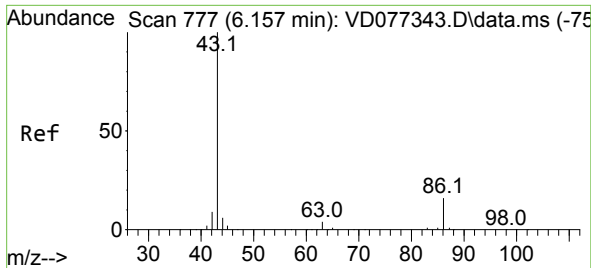


#22
Diisopropyl ether
Concen: 24.496 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02



Tgt Ion: 45 Resp: 94876
Ion Ratio Lower Upper
45 100
43 51.5 40.0 60.0
87 33.1 28.2 42.4
59 15.4 11.0 16.4

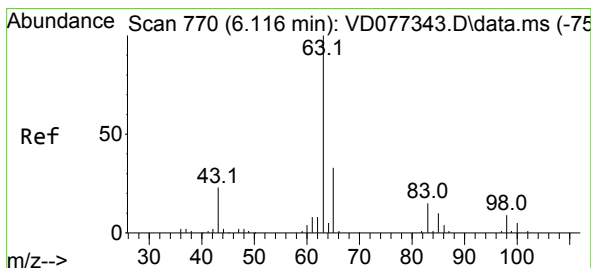
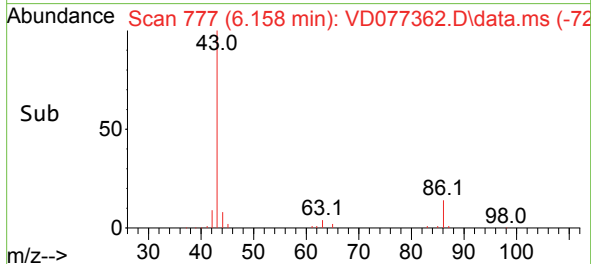
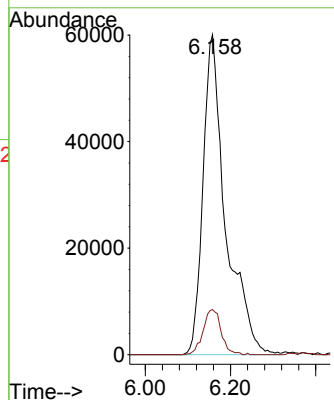
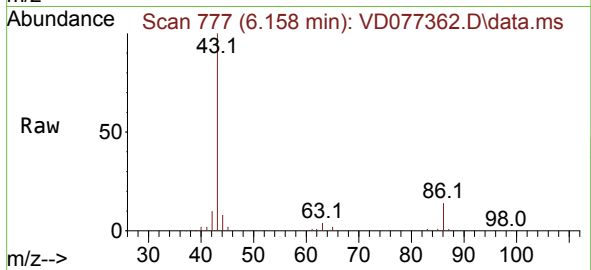




#23
 Vinyl Acetate
 Concen: 122.133 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

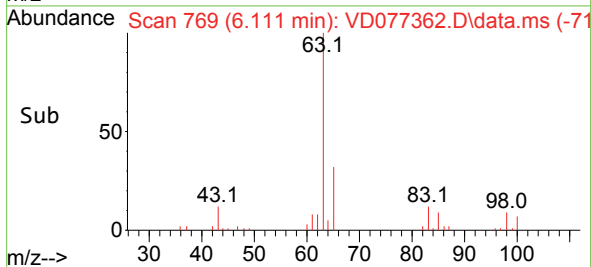
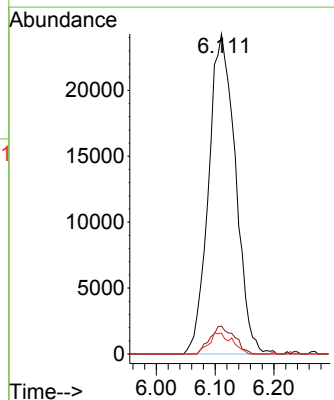
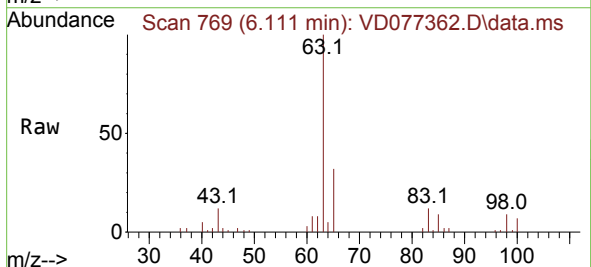
Instrument :
 MSVOA_D
 ClientSampleId :

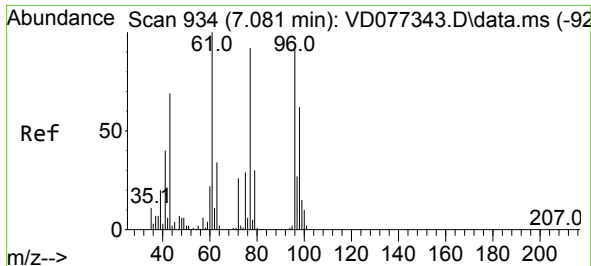
Tgt Ion: 43 Resp: 221677
 Ion Ratio Lower Upper
 43 100
 86 14.1 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 23.949 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. -0.005 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

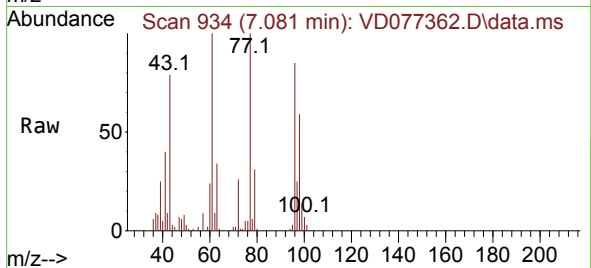
Tgt Ion: 63 Resp: 77120
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.5 13.7
 100 6.6 2.5 7.5



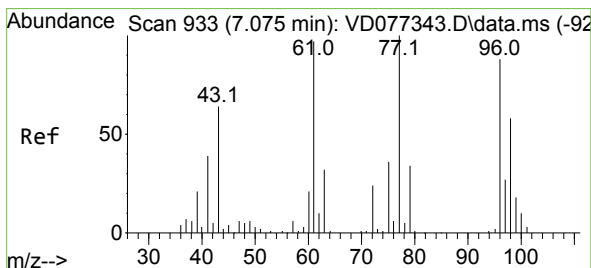
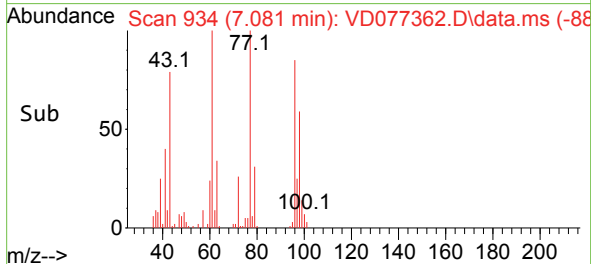
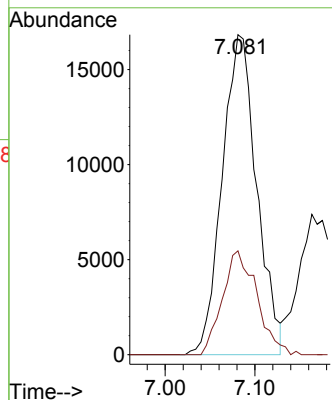


#25
2-Butanone
Concen: 122.590 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Instrument :
MSVOA_D
ClientSampleId :

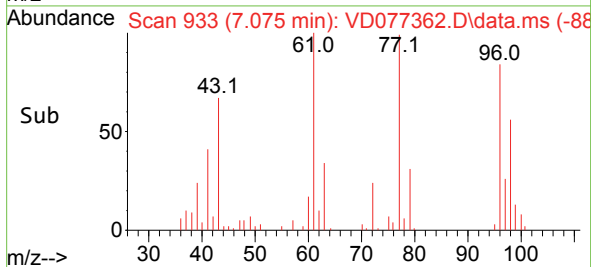
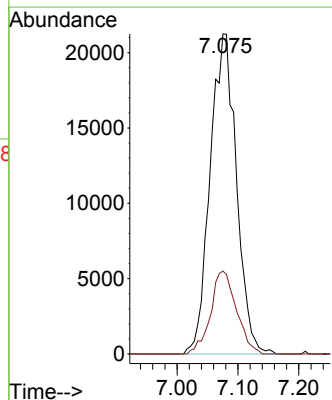
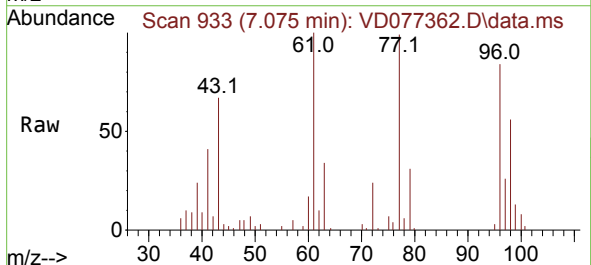


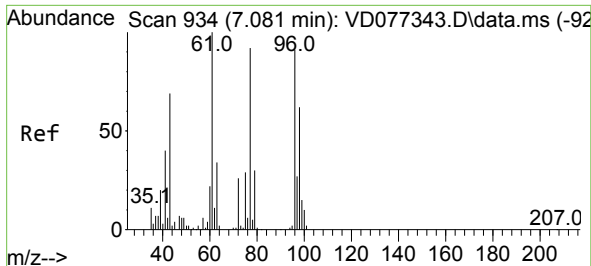
Tgt Ion: 43 Resp: 44971
Ion Ratio Lower Upper
43 100
72 32.4 30.7 46.1



#26
2,2-Dichloropropane
Concen: 21.703 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 77 Resp: 63725
Ion Ratio Lower Upper
77 100
97 25.5 13.2 39.6



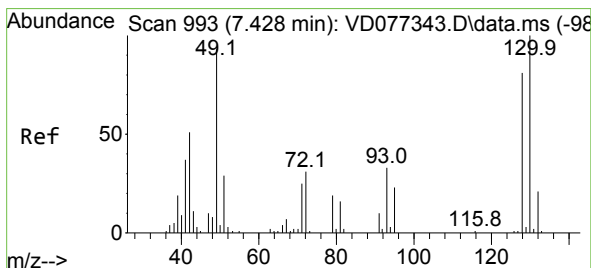
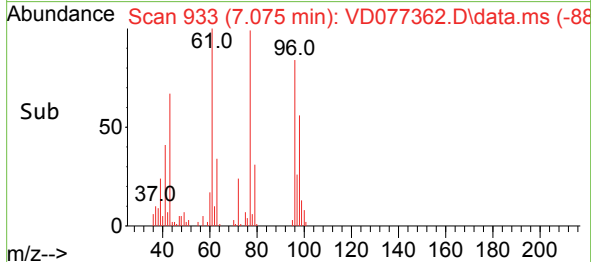
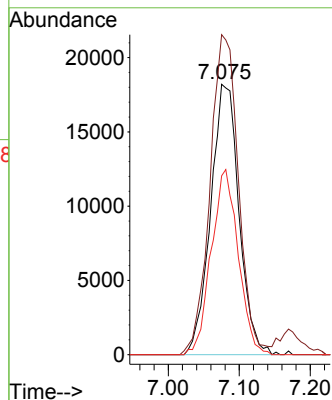
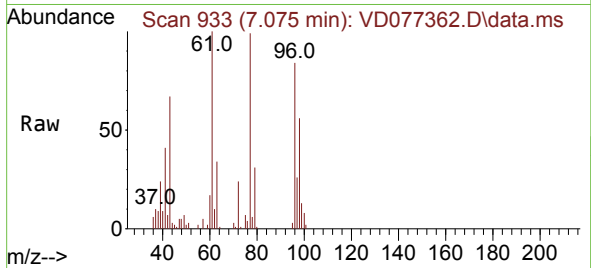


#27
 cis-1,2-Dichloroethene
 Concen: 20.800 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 96 Resp: 50441

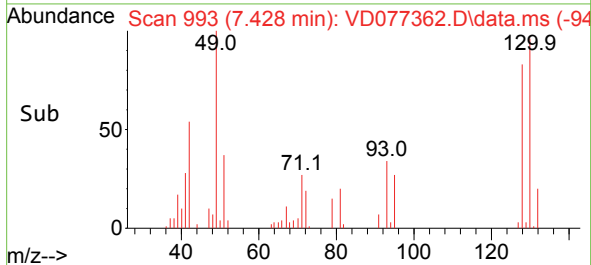
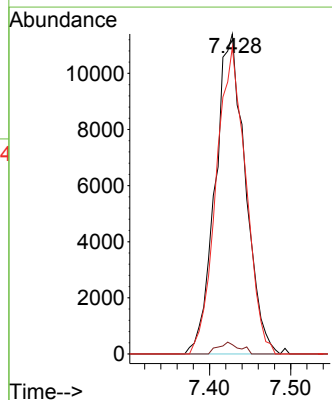
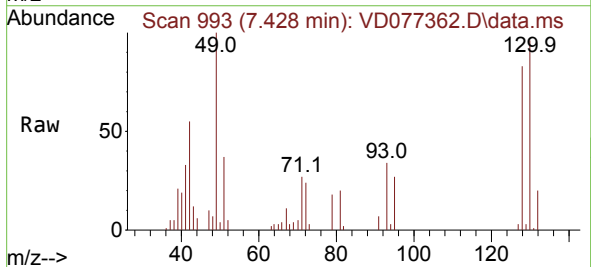
Ion	Ratio	Lower	Upper
96	100		
61	118.7	0.0	239.2
98	65.2	0.0	128.6

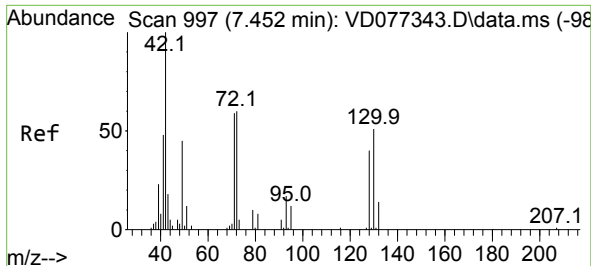


#28
 Bromochloromethane
 Concen: 24.944 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

Tgt Ion: 49 Resp: 29342

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.0
130	94.5	83.2	124.8





#29

Tetrahydrofuran

Concen: 126.448 ug/l

RT: 7.446 min Scan# 997

Delta R.T. -0.006 min

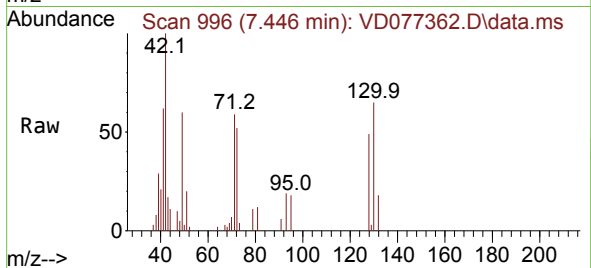
Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :



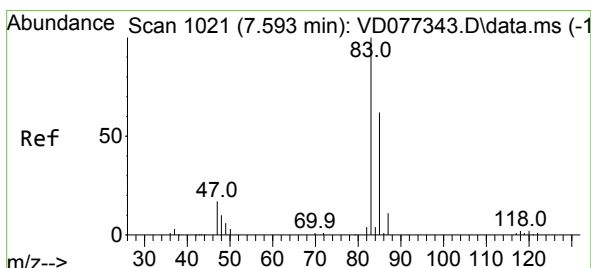
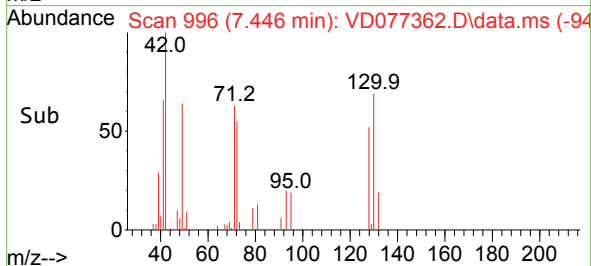
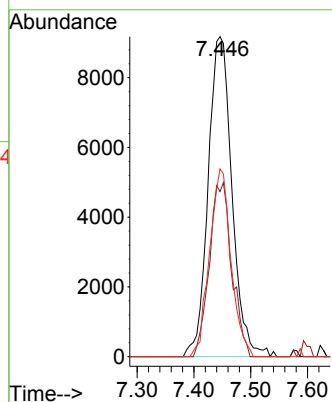
Tgt Ion: 42 Resp: 26758

Ion Ratio Lower Upper

42 100

72 51.0 46.5 69.7

71 52.8 44.5 66.7



#30

Chloroform

Concen: 22.782 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD077362.D

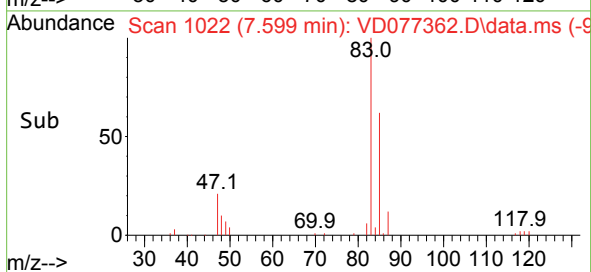
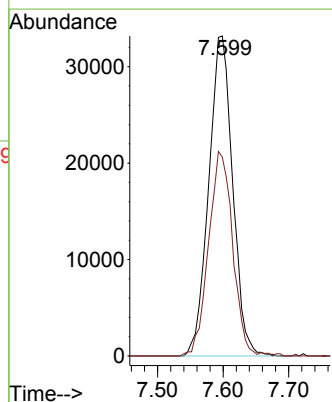
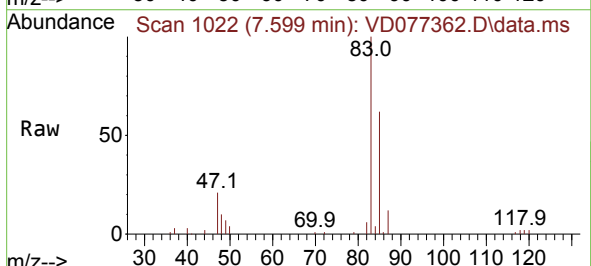
Acq: 20 Oct 2023 13:02

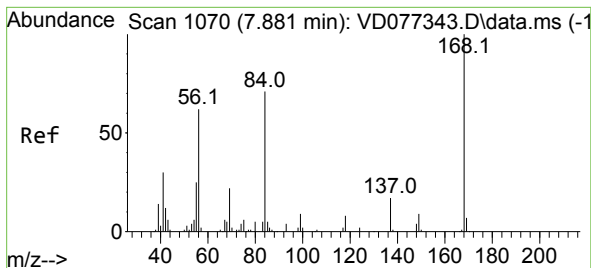
Tgt Ion: 83 Resp: 84171

Ion Ratio Lower Upper

83 100

85 62.2 53.4 80.2





#31

Cyclohexane

Concen: 21.903 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

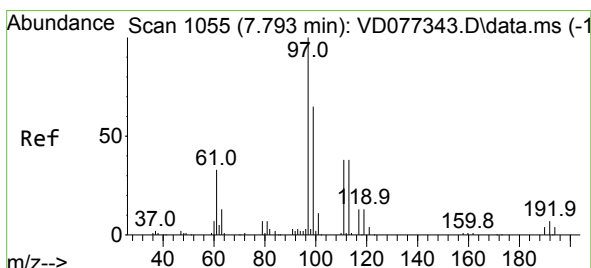
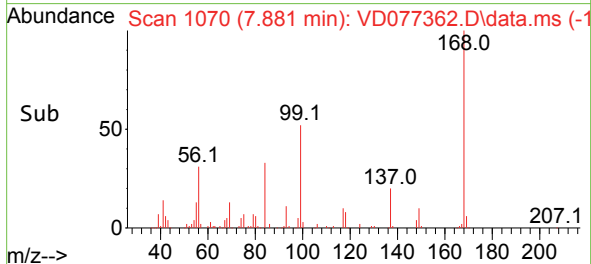
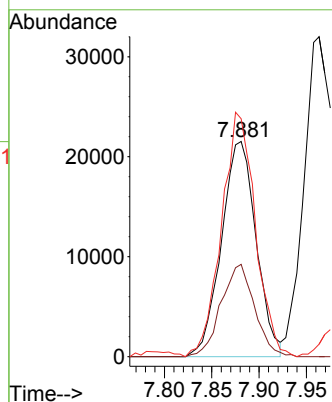
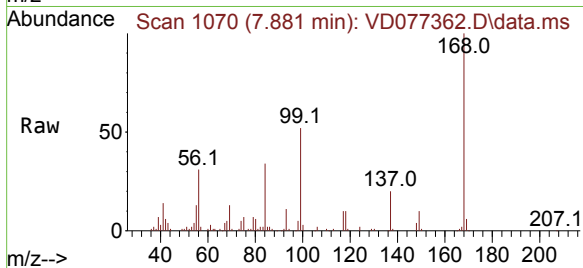
Tgt Ion: 56 Resp: 54956

Ion Ratio Lower Upper

56 100

69 42.9 28.6 43.0

84 109.3 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 22.394 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

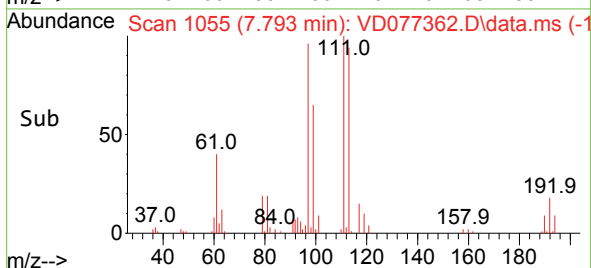
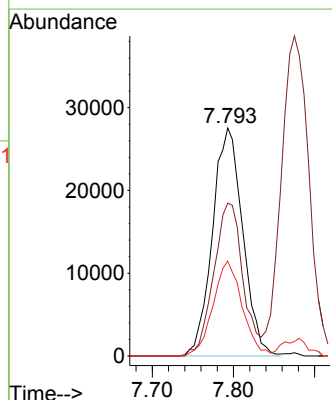
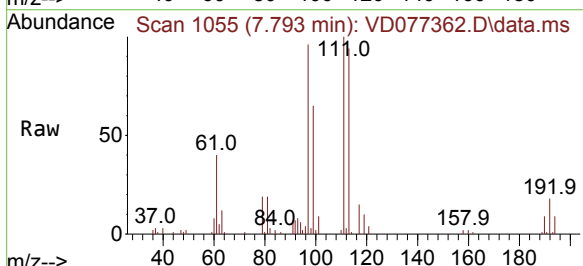
Tgt Ion: 97 Resp: 71380

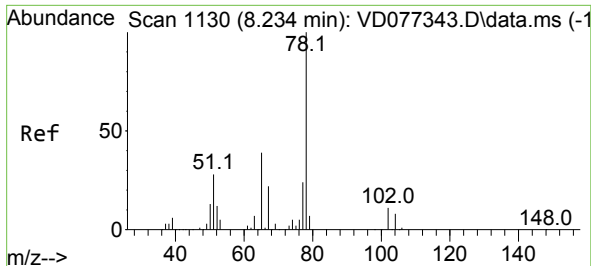
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 40.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 50.101 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

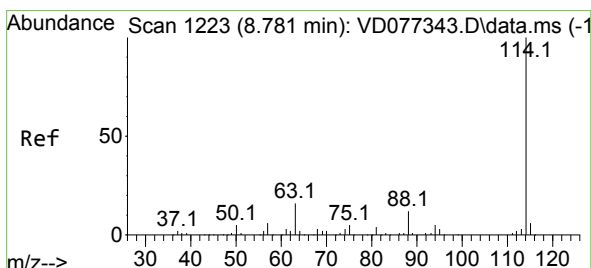
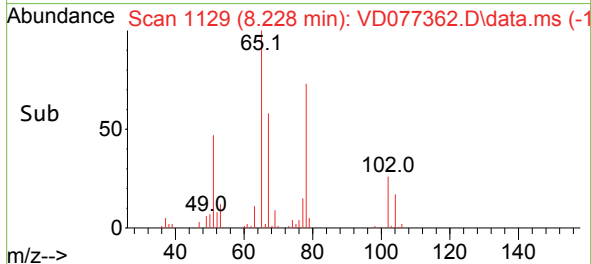
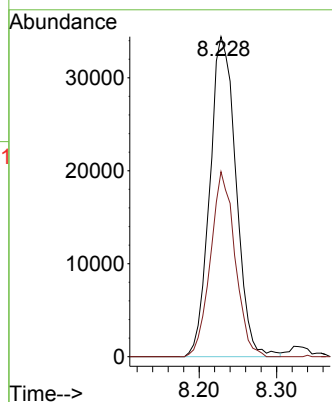
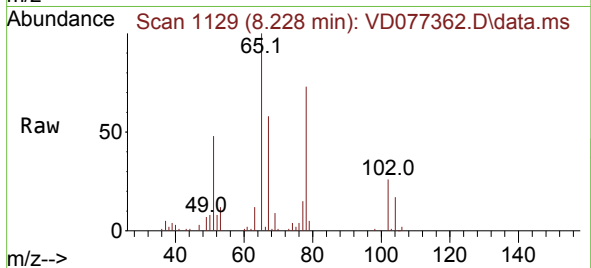
ClientSampleId :

Tgt Ion: 65 Resp: 80796

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

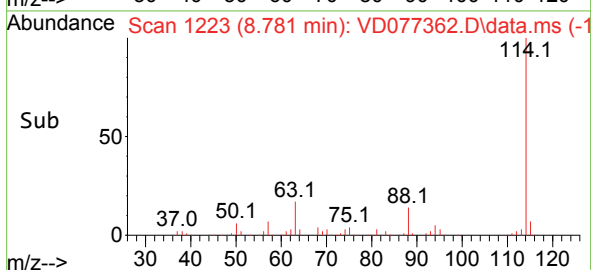
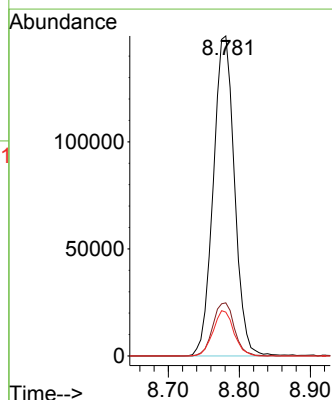
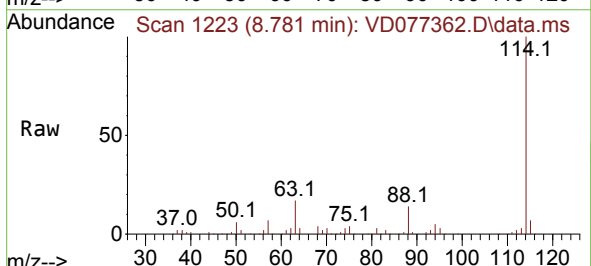
Tgt Ion:114 Resp: 309450

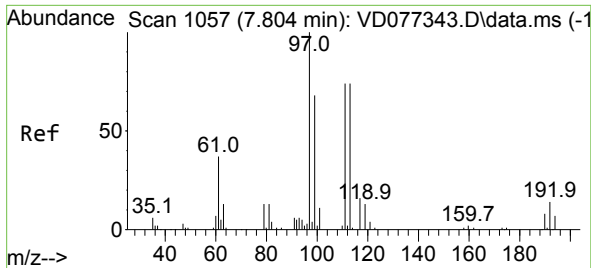
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

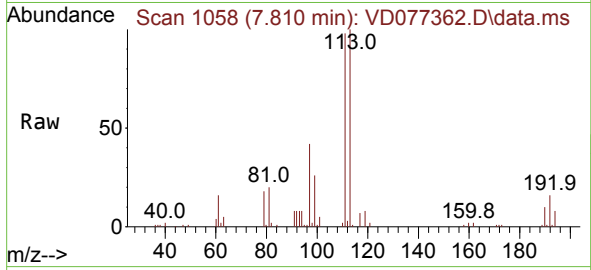
88 13.7 0.0 26.2



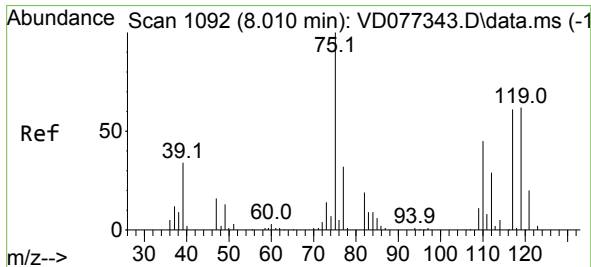
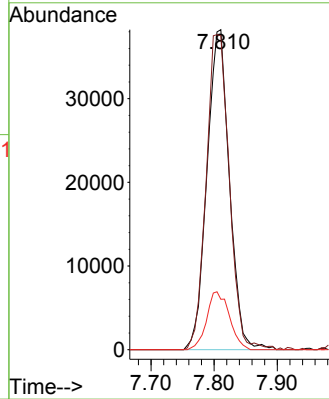
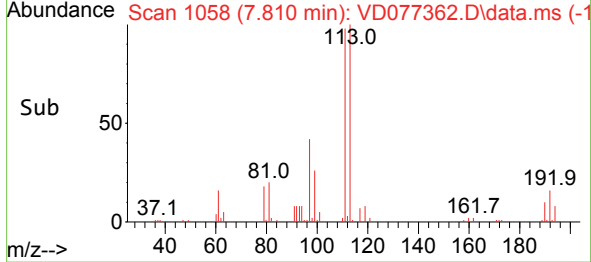


#35
Dibromofluoromethane
Concen: 43.392 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Instrument :
MSVOA_D
ClientSampleId :

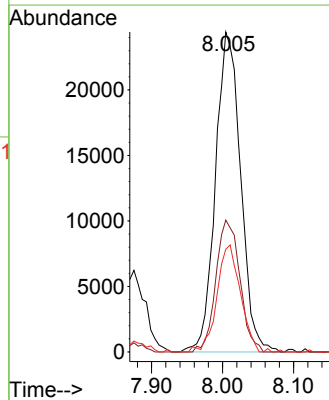
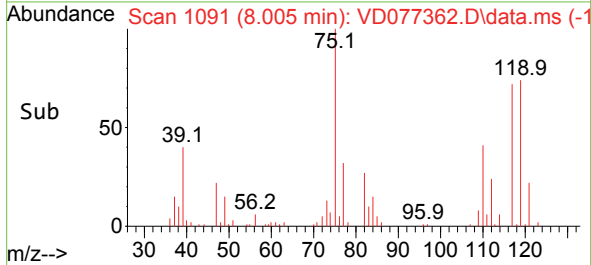
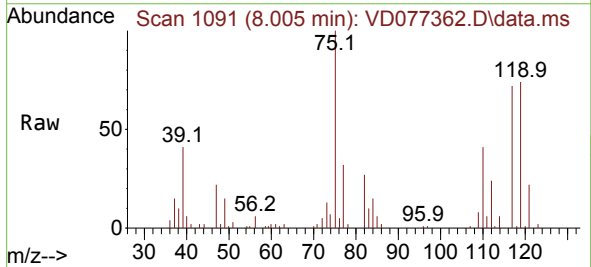


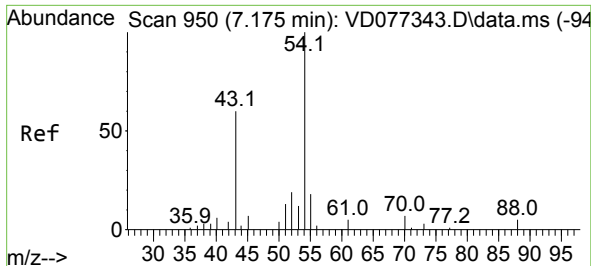
Tgt Ion:113 Resp: 94335
Ion Ratio Lower Upper
113 100
111 101.5 84.7 127.1
192 18.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 21.011 ug/l
RT: 8.005 min Scan# 1091
Delta R.T. -0.005 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 75 Resp: 60021
Ion Ratio Lower Upper
75 100
110 39.2 19.9 59.6
77 31.1 24.7 37.1





#37

Ethyl Acetate

Concen: 24.192 ug/l

RT: 7.163 min Scan# 948

Delta R.T. -0.012 min

Lab File: VD077362.D

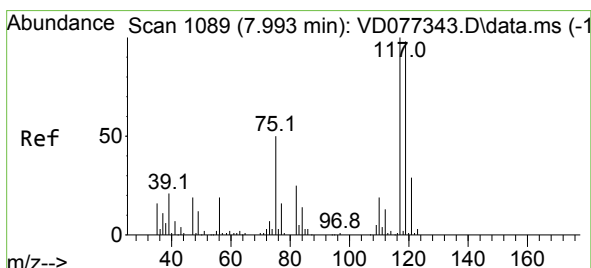
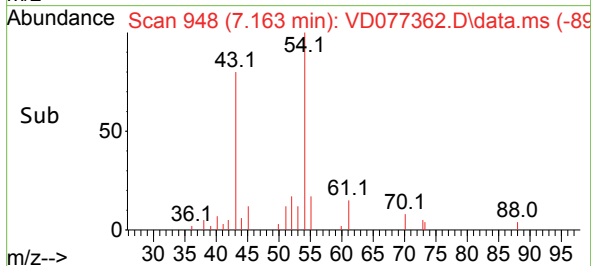
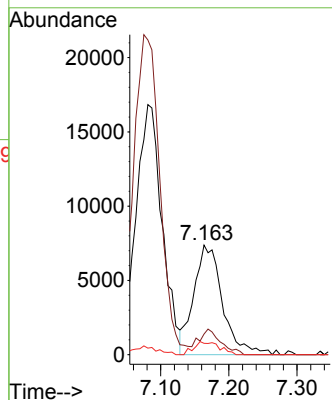
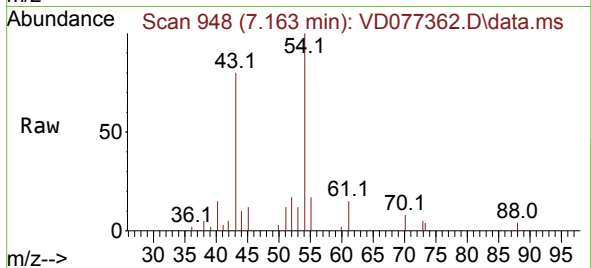
Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 21708
Ion Ratio	Lower Upper
43	100
61	17.4 14.9 22.3
70	10.4 10.0 15.0



#38

Carbon Tetrachloride

Concen: 20.088 ug/l

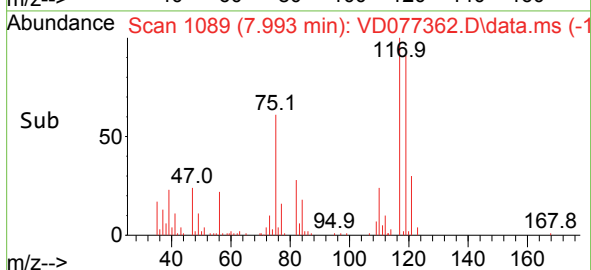
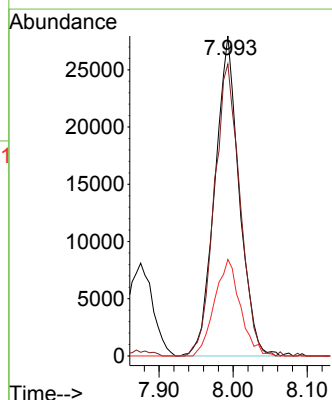
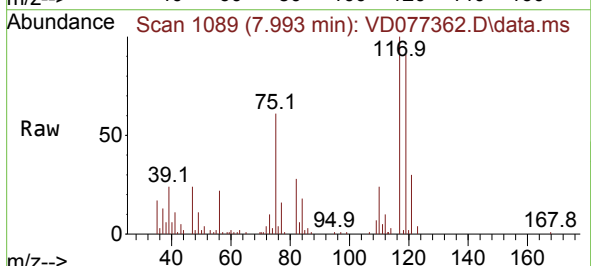
RT: 7.993 min Scan# 1089

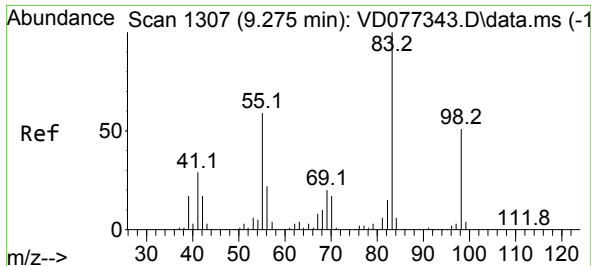
Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion: 117	Resp: 63836
Ion Ratio	Lower Upper
117	100
119	91.2 78.0 117.0
121	30.2 24.2 36.2

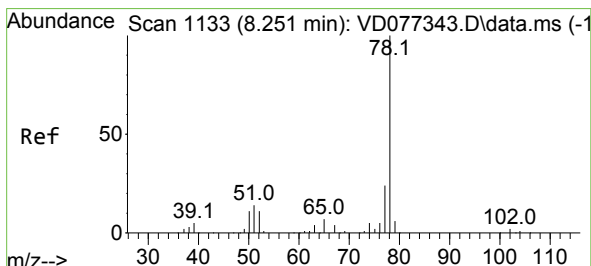
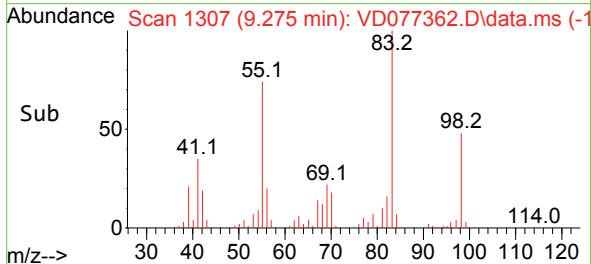
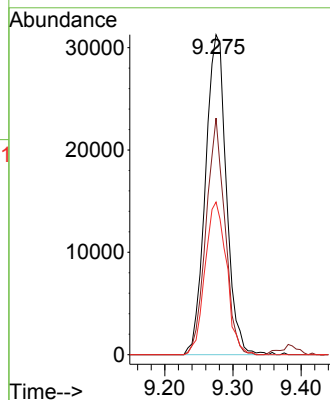
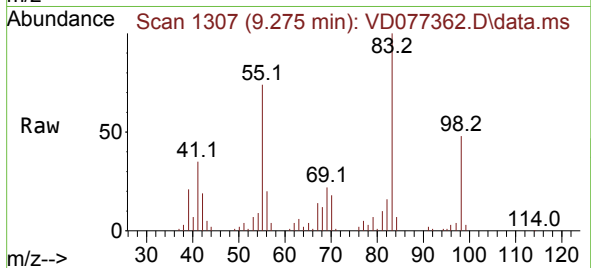




#39
Methylcyclohexane
Concen: 19.237 ug/l
RT: 9.275 min Scan# 11307
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

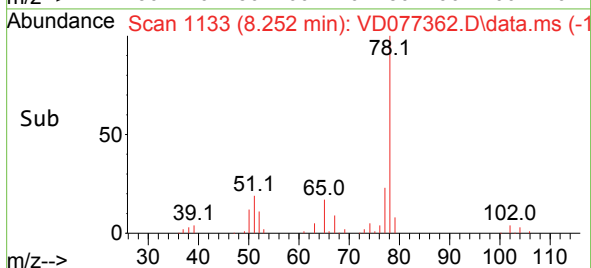
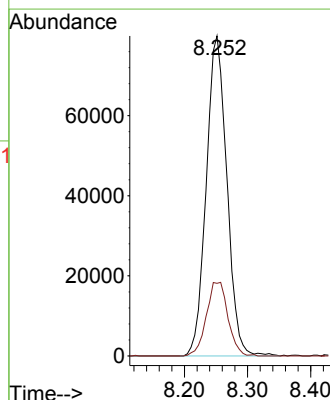
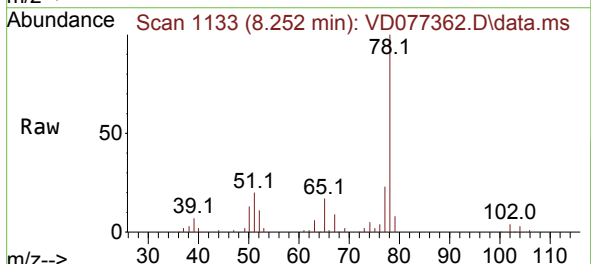
Instrument :
MSVOA_D
ClientSampleId :

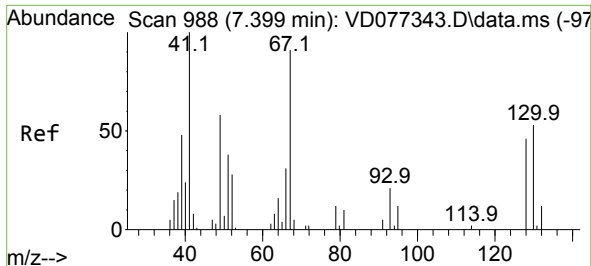
Tgt Ion: 83 Resp: 66771
Ion Ratio Lower Upper
83 100
55 74.0 49.4 74.0
98 47.7 38.4 57.6



#40
Benzene
Concen: 20.928 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.001 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

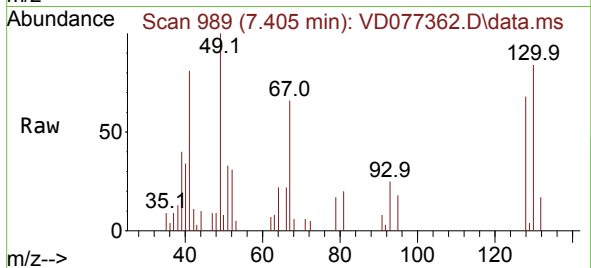
Tgt Ion: 78 Resp: 181428
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.0



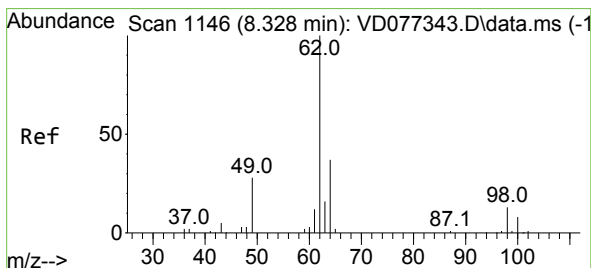
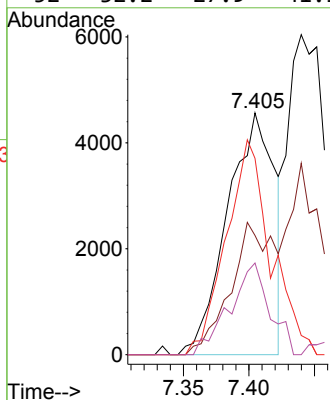
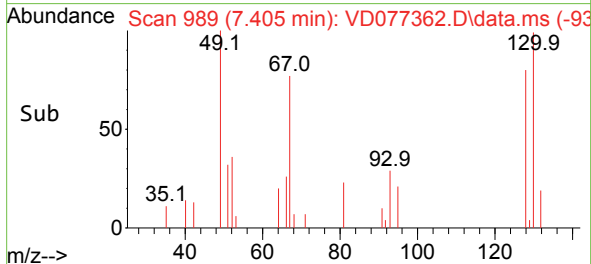


#41
Methacrylonitrile
Concen: 26.606 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Instrument :
MSVOA_D
ClientSampleId :

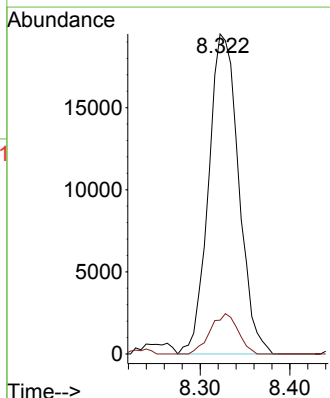
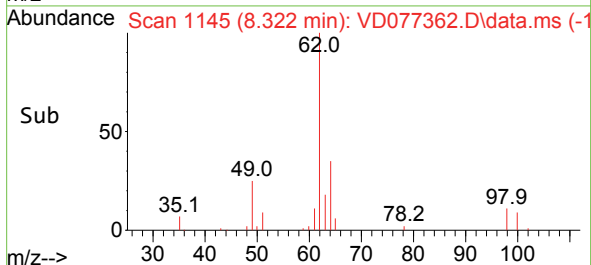
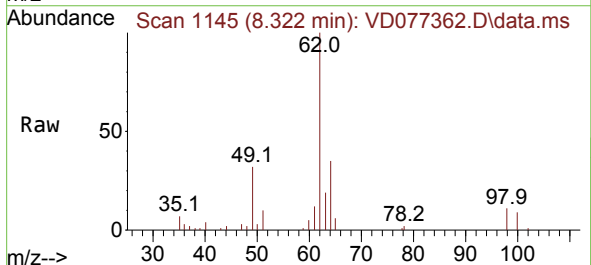


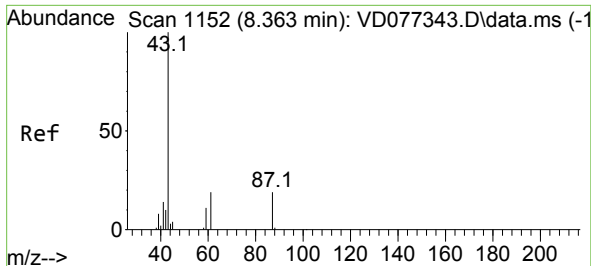
Tgt Ion: 41	Resp: 11394
Ion Ratio	Lower Upper
41 100	
39 37.7	34.0 51.0
67 84.4	77.0 115.4
52 32.2	27.9 41.9



#42
1,2-Dichloroethane
Concen: 22.244 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 62	Resp: 45421
Ion Ratio	Lower Upper
62 100	
98 11.6	0.0 25.4

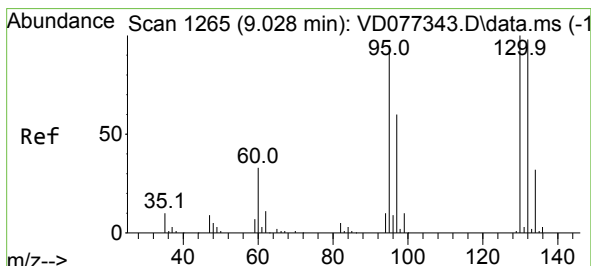
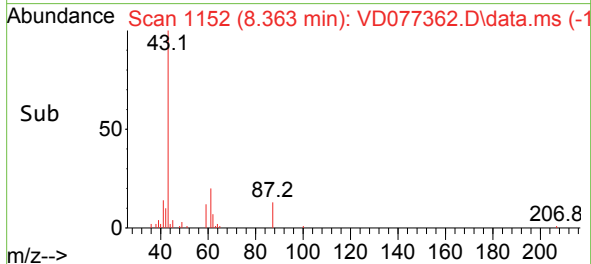
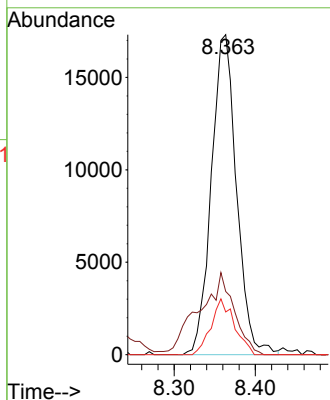
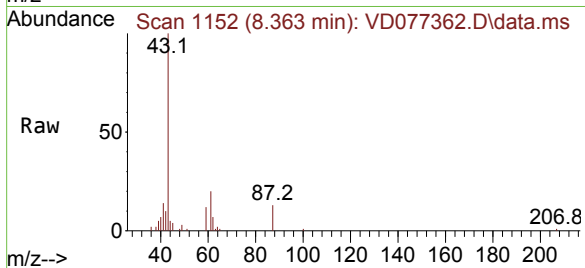




#43
Isopropyl Acetate
Concen: 23.117 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

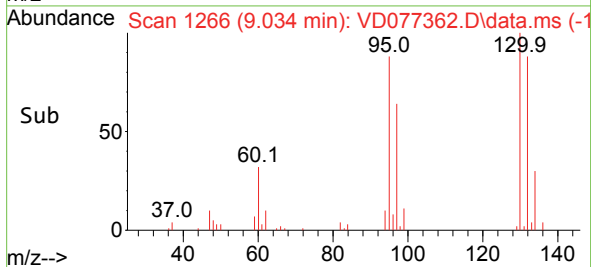
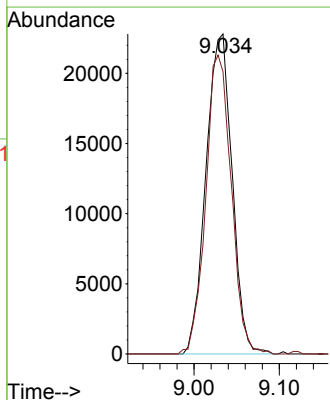
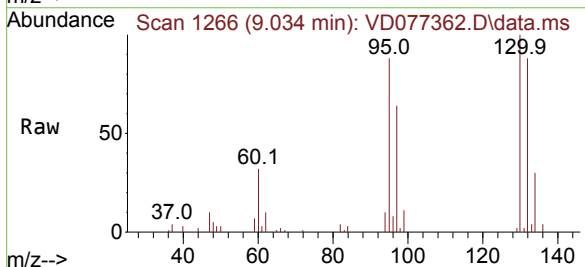
Instrument :
MSVOA_D
ClientSampleId :

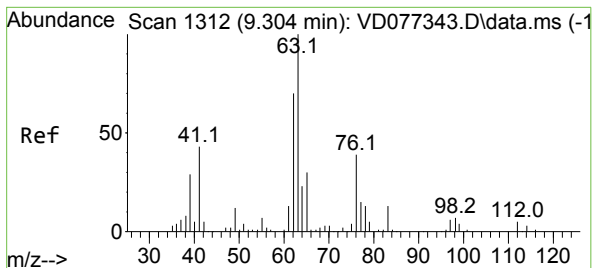
Tgt Ion: 43 Resp: 37344
Ion Ratio Lower Upper
43 100
61 35.9 31.4 47.0
87 16.1 14.9 22.3



#44
Trichloroethene
Concen: 19.196 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion:130 Resp: 48653
Ion Ratio Lower Upper
130 100
95 88.2 0.0 179.2





#45

1,2-Dichloropropane

Concen: 21.668 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

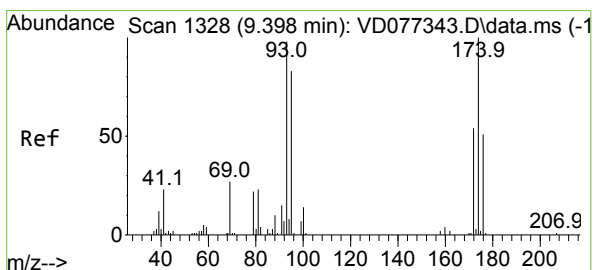
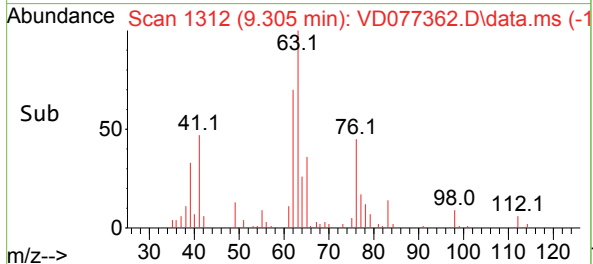
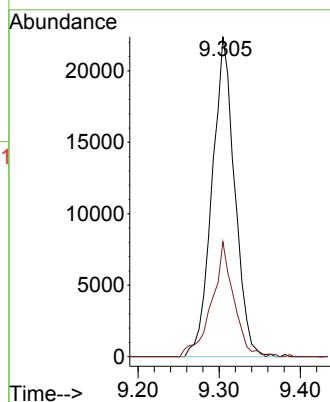
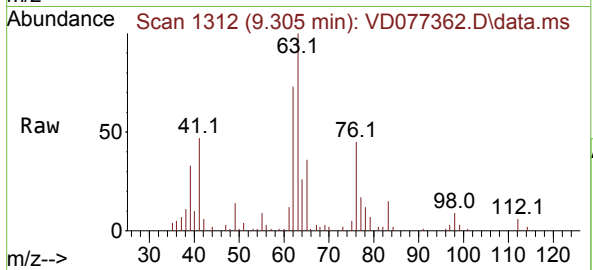
ClientSampleId :

Tgt Ion: 63 Resp: 43300

Ion Ratio Lower Upper

63 100

65 35.9 24.5 36.7



#46

Dibromomethane

Concen: 20.365 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.005 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

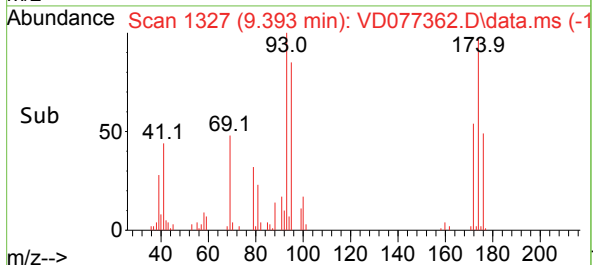
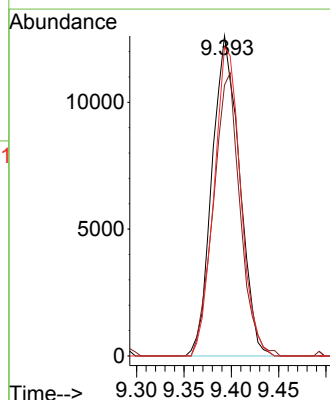
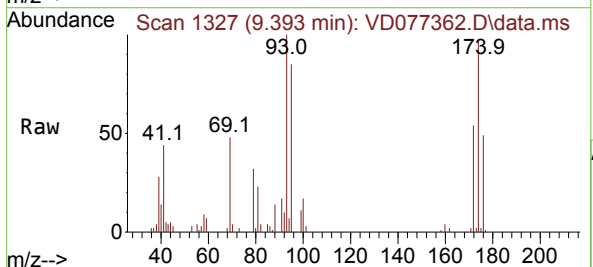
Tgt Ion: 93 Resp: 25442

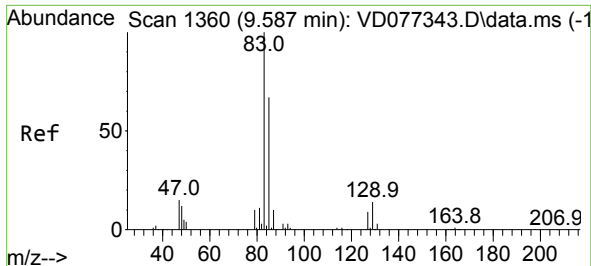
Ion Ratio Lower Upper

93 100

95 86.0 67.7 101.5

174 93.4 85.4 128.2

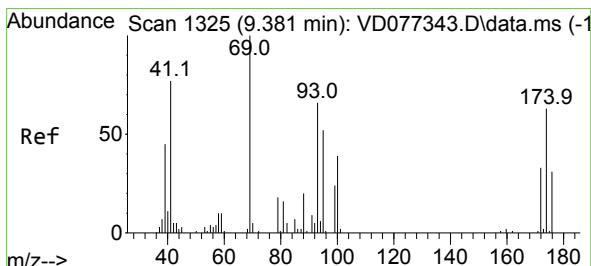
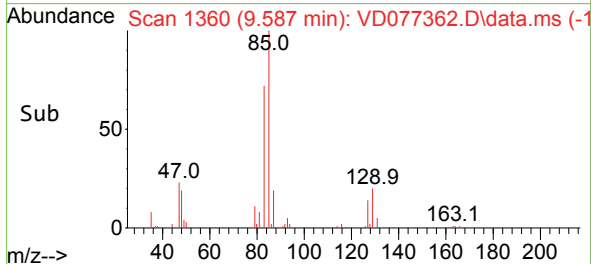
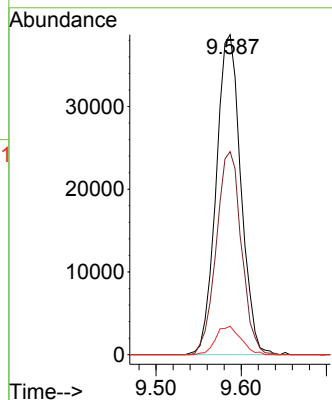
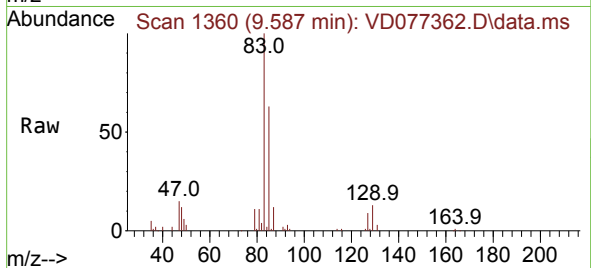




#47
Bromodichloromethane
Concen: 26.162 ug/l
RT: 9.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

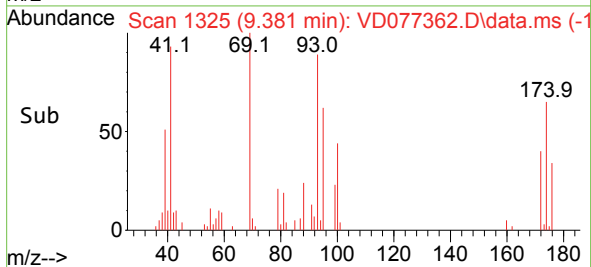
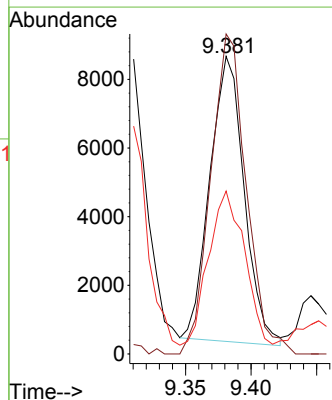
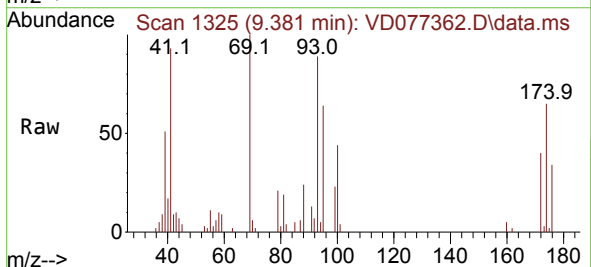
Instrument :
MSVOA_D
ClientSampleId :

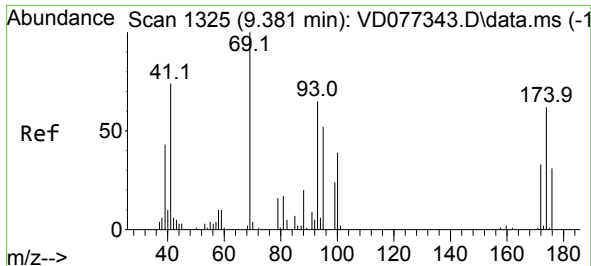
Tgt Ion: 83 Resp: 77937
Ion Ratio Lower Upper
83 100
85 63.5 50.2 75.4
127 8.9 6.3 9.5



#48
Methyl methacrylate
Concen: 20.653 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 41 Resp: 15093
Ion Ratio Lower Upper
41 100
69 116.5 102.2 153.2
39 57.9 41.4 62.2





#49

1,4-Dioxane

Concen: 401.963 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

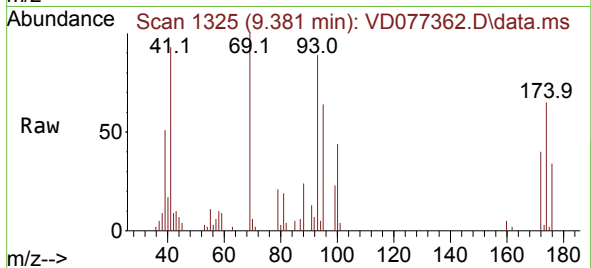
Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :



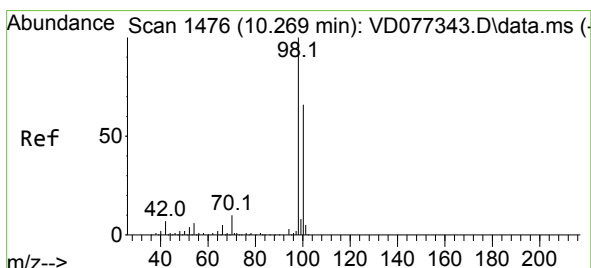
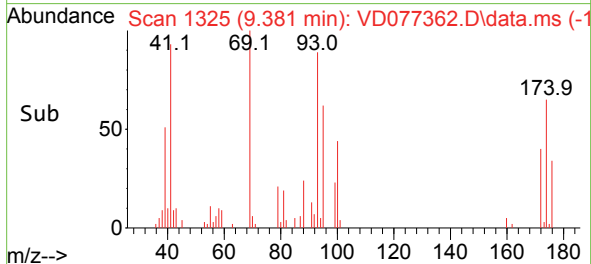
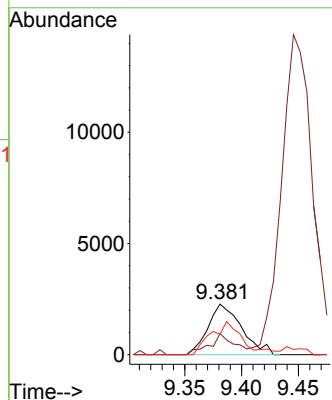
Tgt Ion: 88 Resp: 4652

Ion Ratio Lower Upper

88 100

43 30.8 19.0 28.6#

58 61.1 43.5 65.3



#50

Toluene-d8

Concen: 43.944 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077362.D

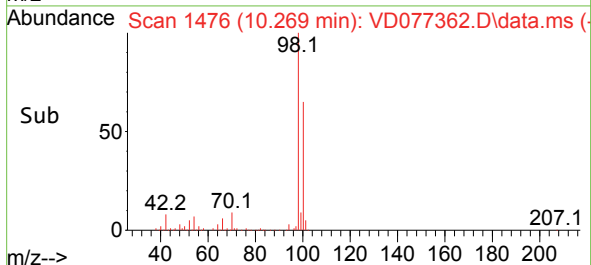
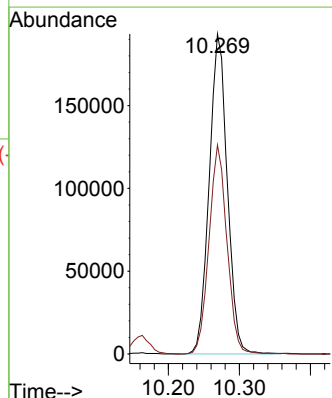
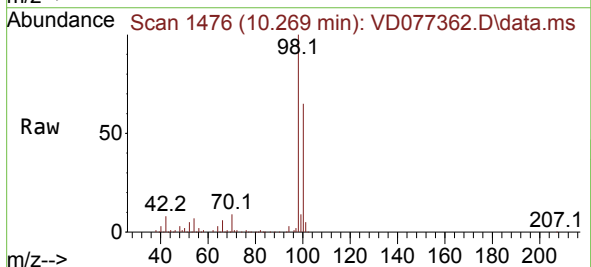
Acq: 20 Oct 2023 13:02

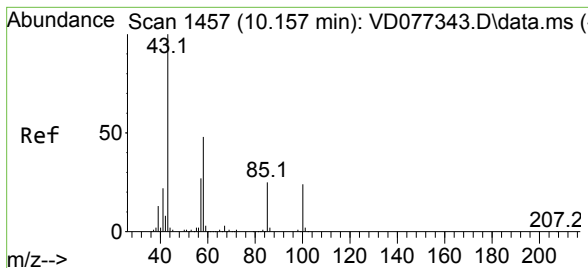
Tgt Ion: 98 Resp: 342144

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

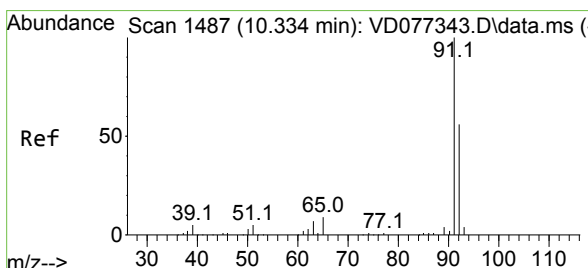
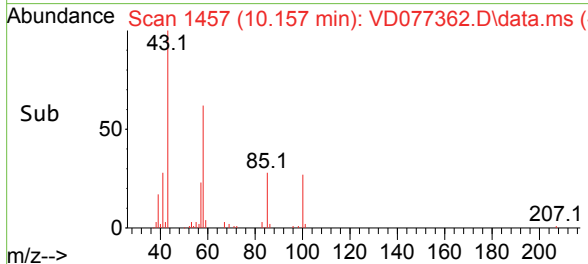
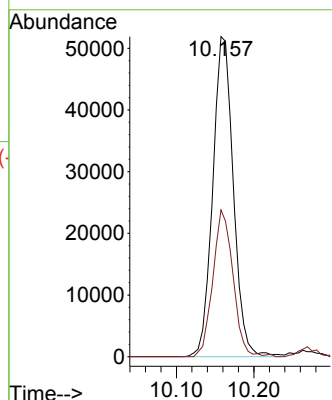
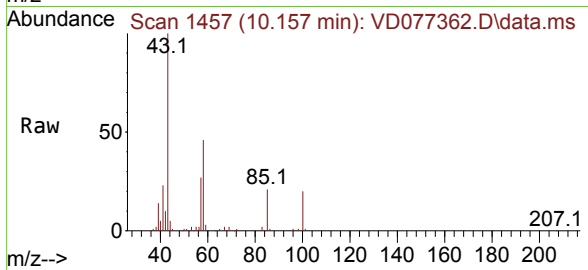




#51
4-Methyl-2-Pentanone
Concen: 118.486 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

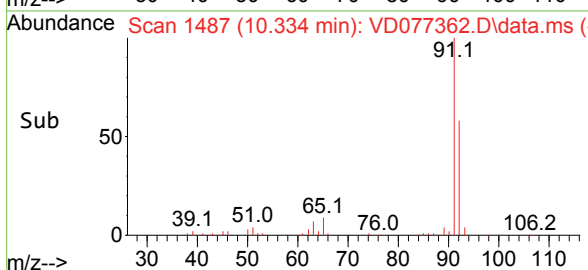
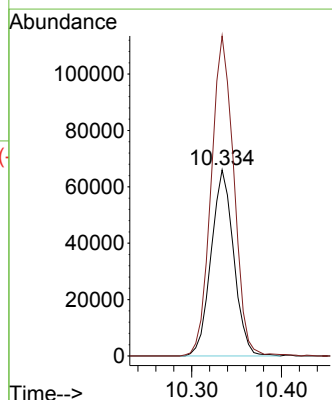
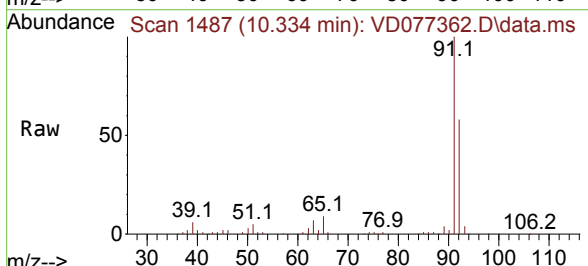
Instrument :
MSVOA_D
ClientSampleId :

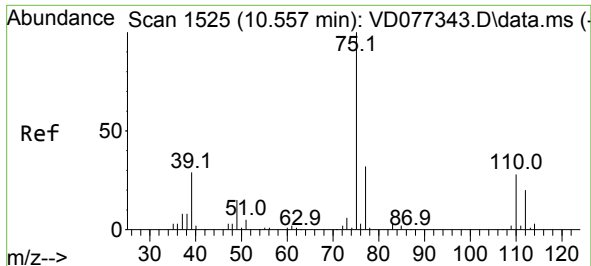
Tgt Ion: 43 Resp: 95946
Ion Ratio Lower Upper
43 100
58 44.8 38.9 58.3



#52
Toluene
Concen: 20.368 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 92 Resp: 115283
Ion Ratio Lower Upper
92 100
91 173.1 143.0 214.4

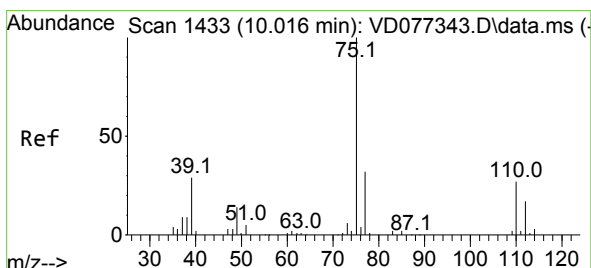
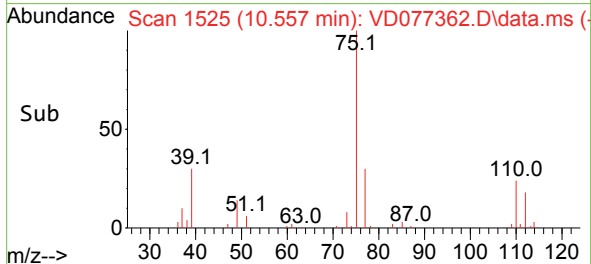
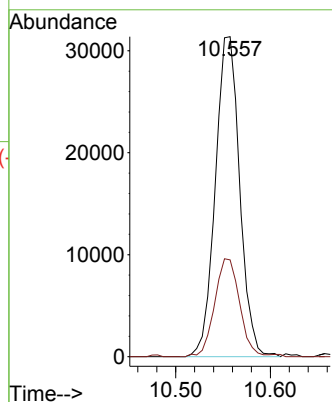
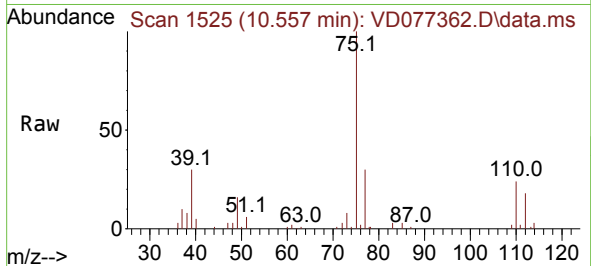




#53
 t-1,3-Dichloropropene
 Concen: 20.985 ug/l
 RT: 10.557 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

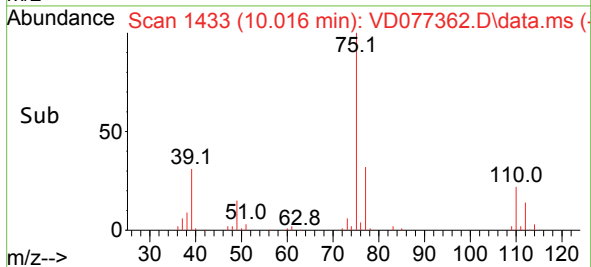
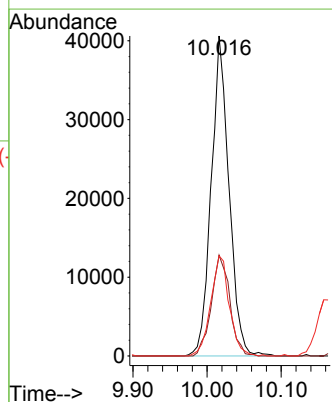
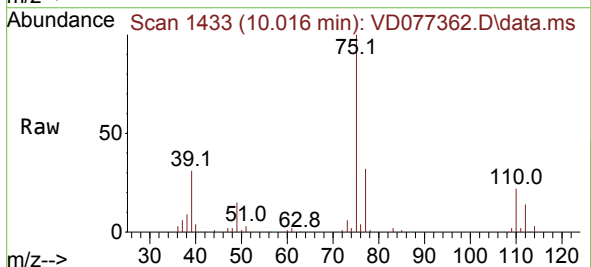
Instrument :
 MSVOA_D
 ClientSampleId :

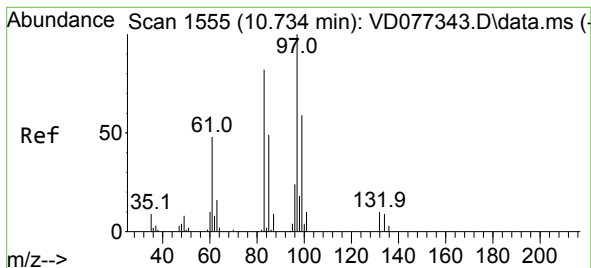
Tgt Ion: 75 Resp: 56115
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 20.695 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

Tgt Ion: 75 Resp: 67708
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 31.3 22.1 33.1





#55

1,1,2-Trichloroethane

Concen: 20.940 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

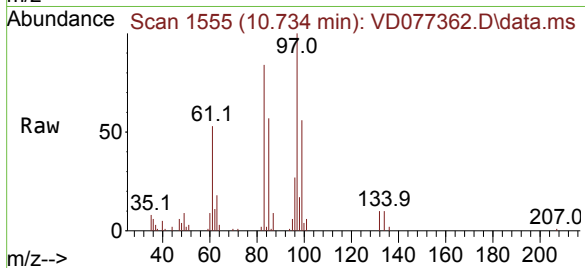
Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 36233

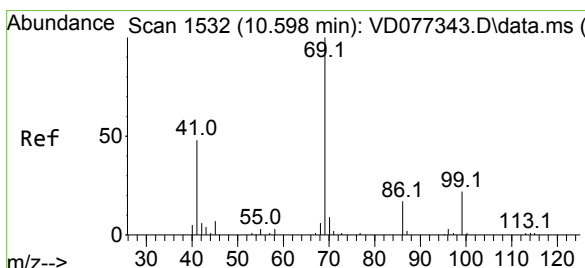
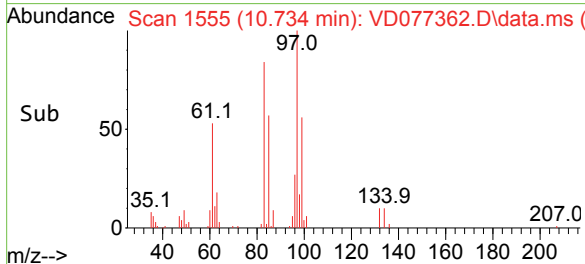
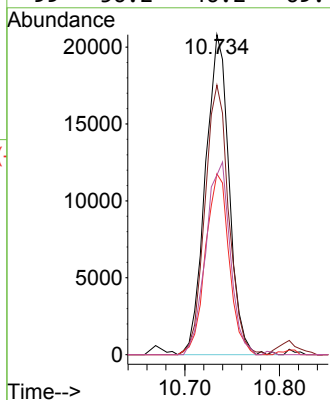
Ion Ratio Lower Upper

97 100

83 84.3 65.8 98.6

85 56.5 45.7 68.5

99 56.2 46.2 69.4



#56

Ethyl methacrylate

Concen: 19.806 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.001 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

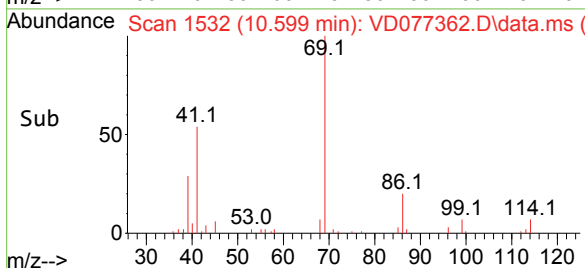
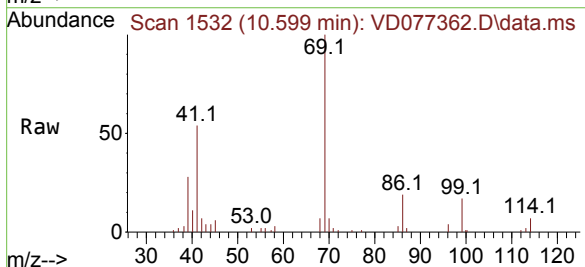
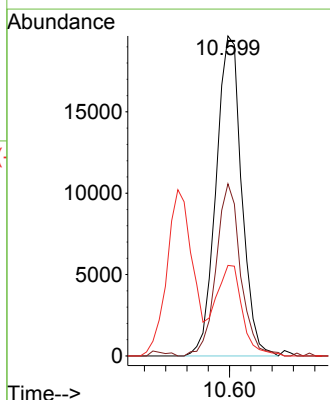
Tgt Ion: 69 Resp: 32753

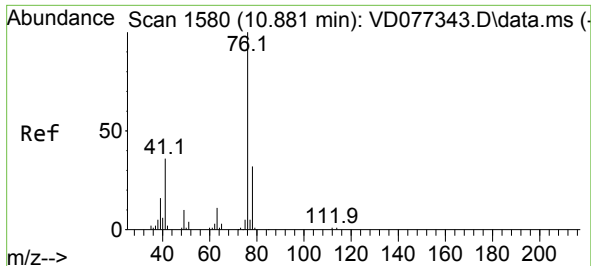
Ion Ratio Lower Upper

69 100

41 51.8 39.1 58.7

39 27.6 20.0 30.0





#57

1,3-Dichloropropane

Concen: 21.041 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

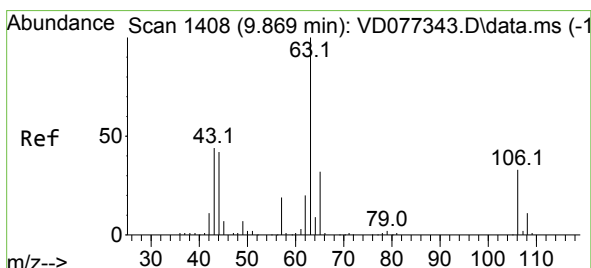
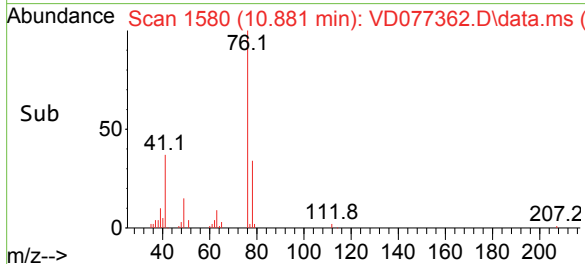
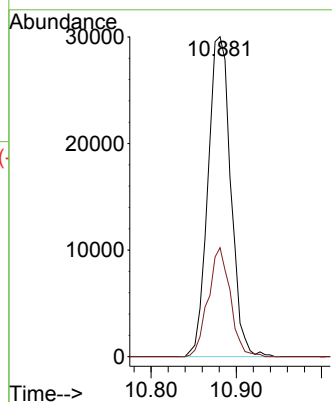
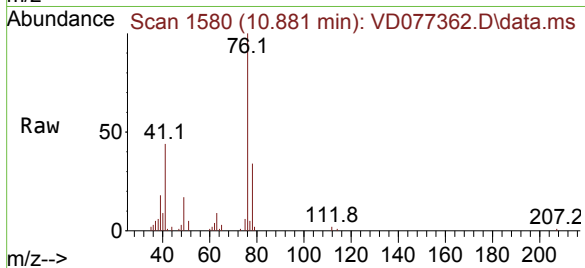
ClientSampleId :

Tgt Ion: 76 Resp: 55927

Ion Ratio Lower Upper

76 100

78 33.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 120.557 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077362.D

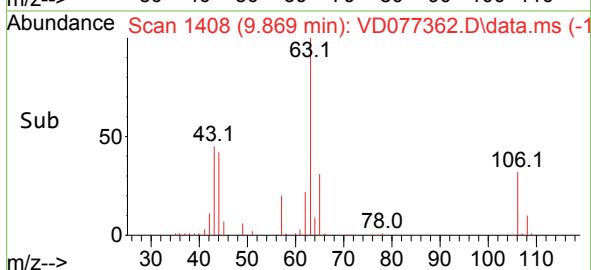
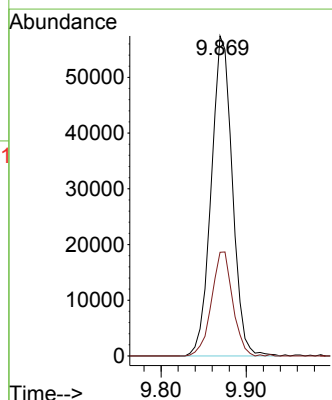
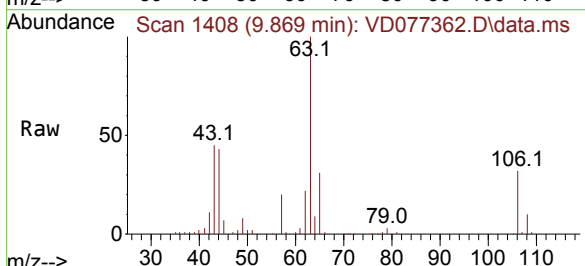
Acq: 20 Oct 2023 13:02

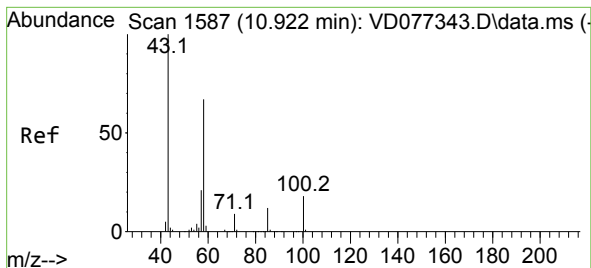
Tgt Ion: 63 Resp: 98590

Ion Ratio Lower Upper

63 100

106 32.7 25.3 37.9

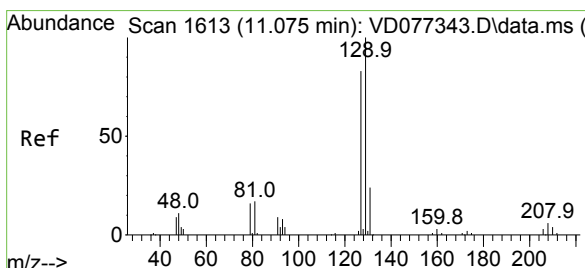
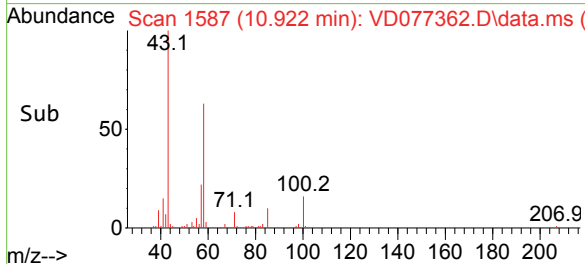
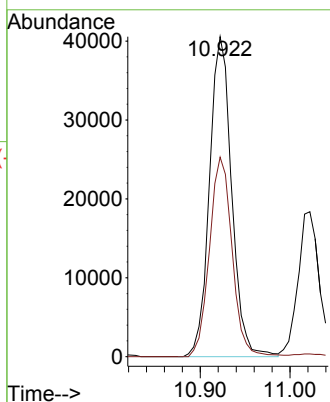
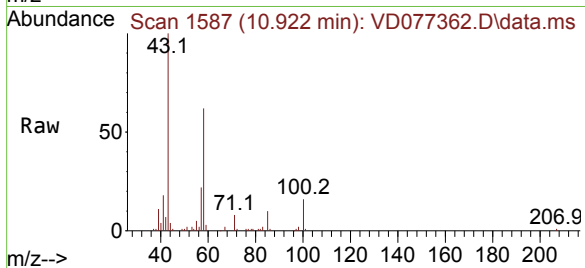




#59
2-Hexanone
Concen: 119.756 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

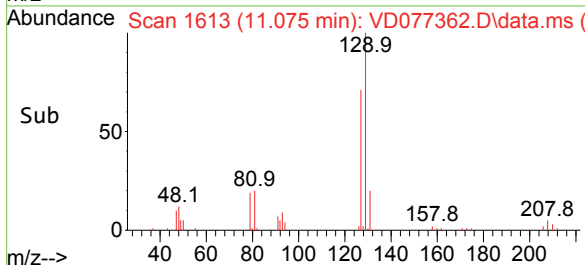
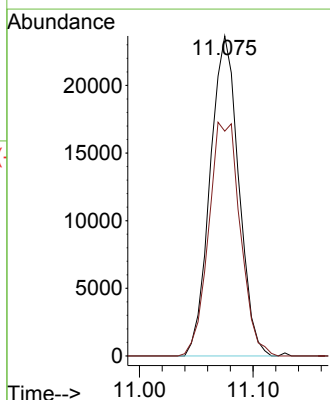
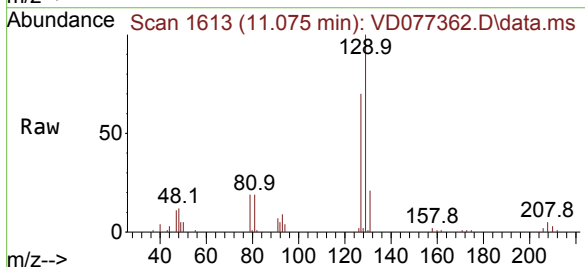
Instrument :
MSVOA_D
ClientSampleId :

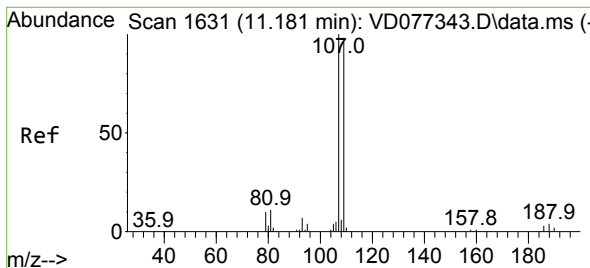
Tgt Ion: 43 Resp: 69649
Ion Ratio Lower Upper
43 100
58 63.7 34.1 102.2



#60
Dibromochloromethane
Concen: 18.699 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 129 Resp: 41315
Ion Ratio Lower Upper
129 100
127 80.6 37.1 111.5





#61

1,2-Dibromoethane

Concen: 20.086 ug/l

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

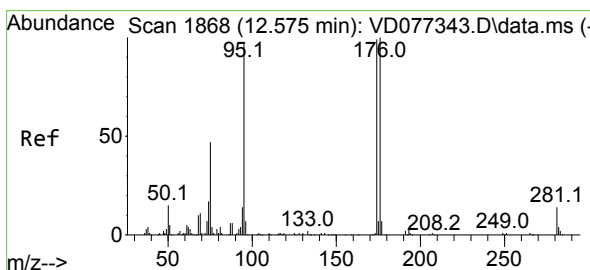
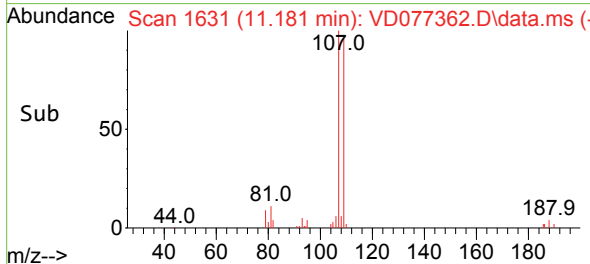
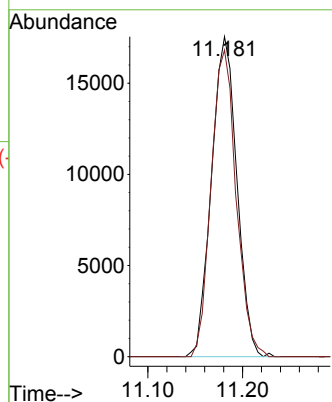
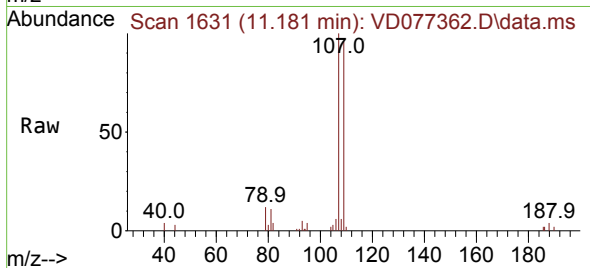
ClientSampleId :

Tgt Ion:107 Resp: 32751

Ion Ratio Lower Upper

107 100

109 94.5 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 43.572 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

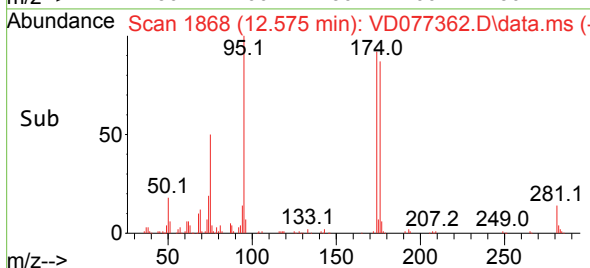
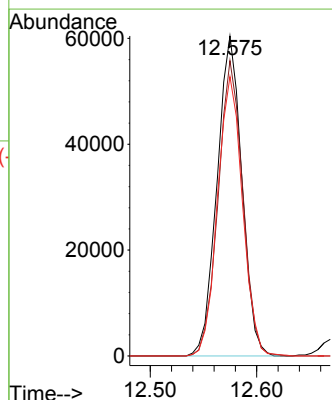
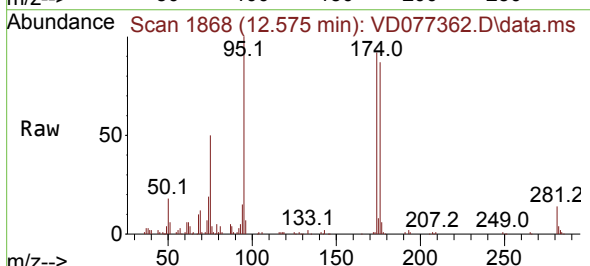
Tgt Ion: 95 Resp: 97655

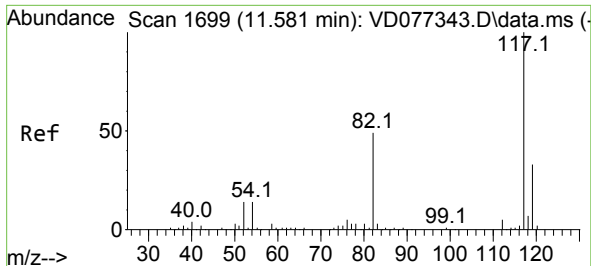
Ion Ratio Lower Upper

95 100

174 91.2 0.0 201.8

176 87.9 0.0 191.8

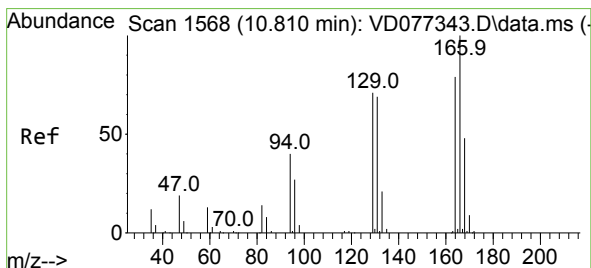
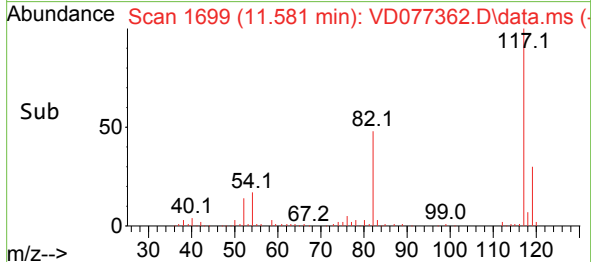
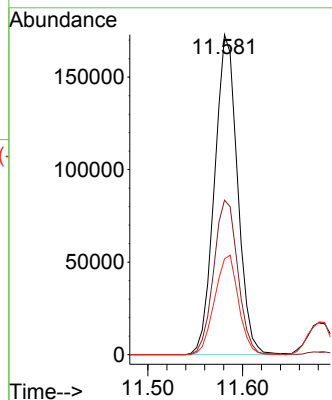
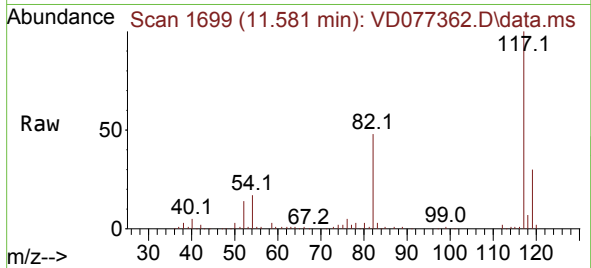




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

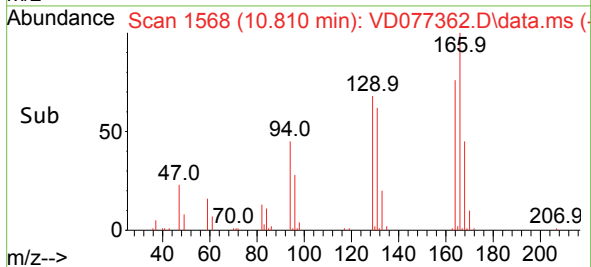
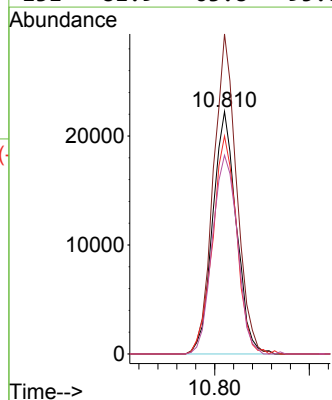
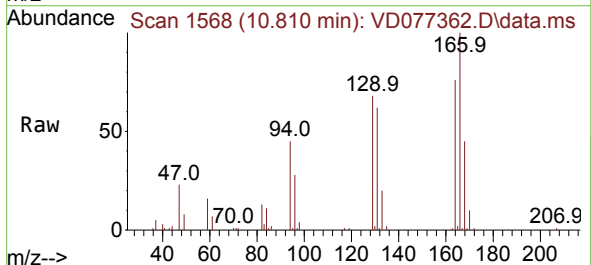
Instrument :
MSVOA_D
ClientSampleId :

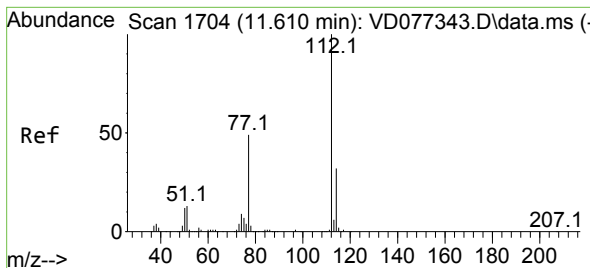
Tgt Ion:117 Resp: 291910
Ion Ratio Lower Upper
117 100
82 48.3 38.3 57.5
119 29.9 25.0 37.4



#64
Tetrachloroethene
Concen: 17.818 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

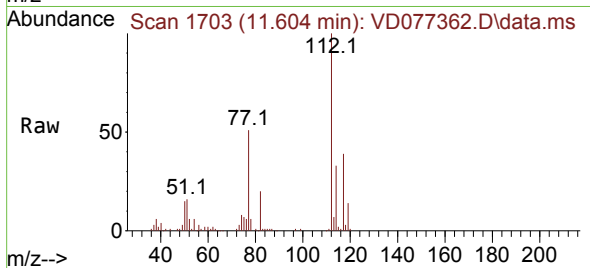
Tgt Ion:164 Resp: 38660
Ion Ratio Lower Upper
164 100
166 132.0 99.2 148.8
129 89.9 68.4 102.6
131 81.9 63.8 95.8



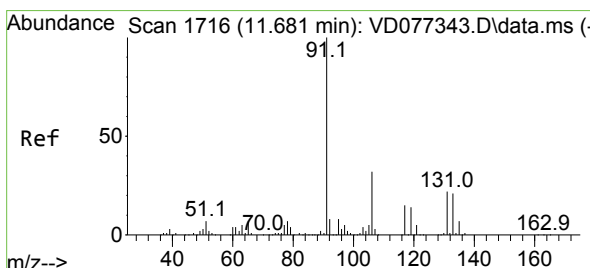
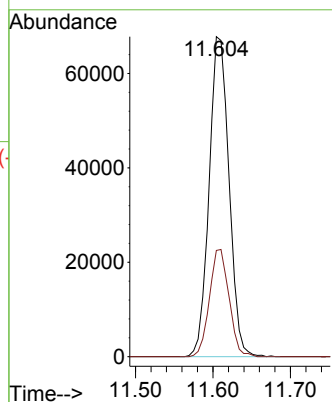
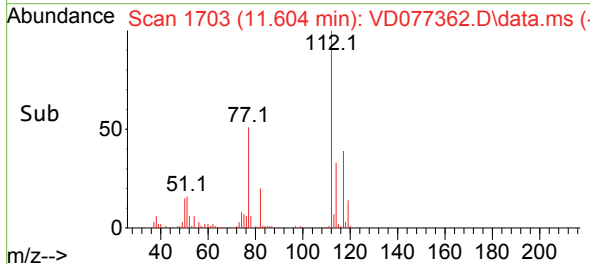


#65
Chlorobenzene
Concen: 18.996 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Instrument :
MSVOA_D
ClientSampleId :

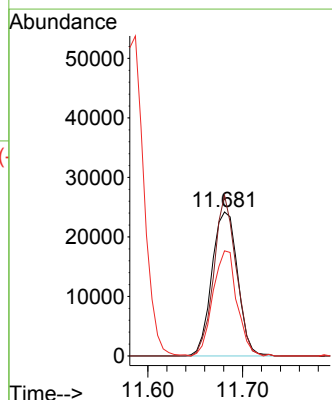
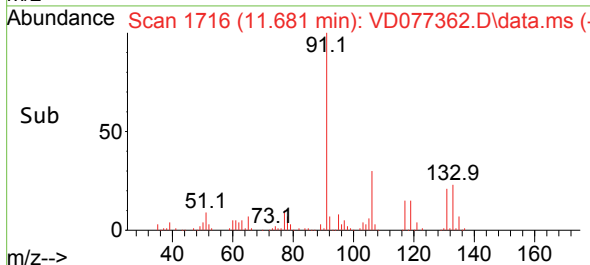
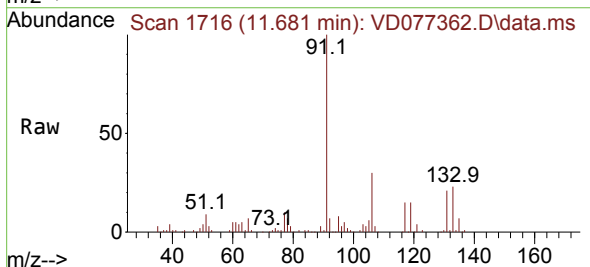


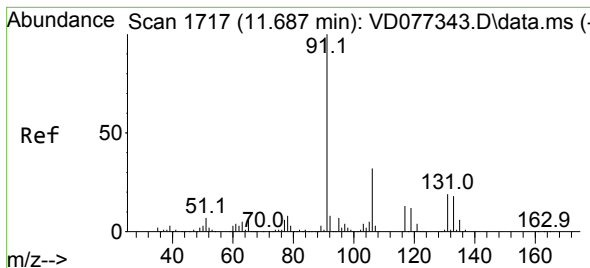
Tgt Ion:112 Resp: 120865
Ion Ratio Lower Upper
112 100
114 33.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 18.988 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion:131 Resp: 45926
Ion Ratio Lower Upper
131 100
133 95.9 48.5 145.5
119 68.1 35.6 106.9





#67

Ethyl Benzene

Concen: 19.123 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

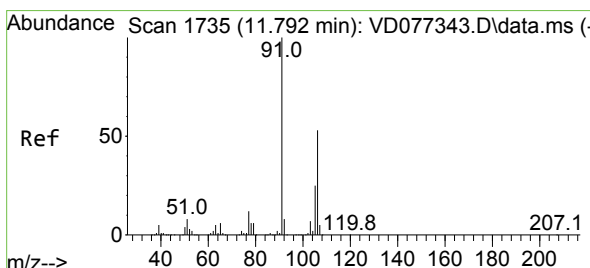
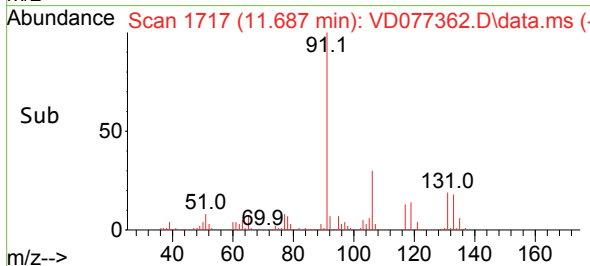
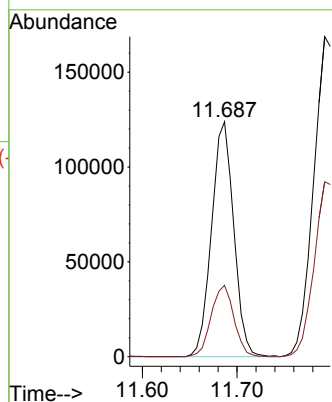
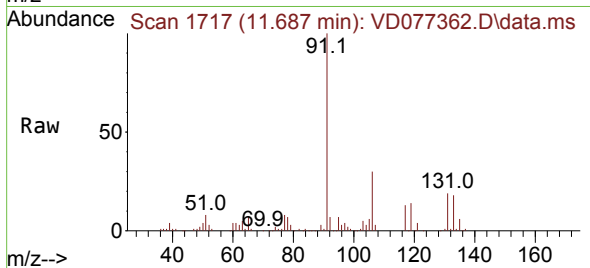
ClientSampleId :

Tgt Ion: 91 Resp: 201699

Ion Ratio Lower Upper

91 100

106 30.4 26.5 39.7



#68

m/p-Xylenes

Concen: 38.732 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.001 min

Lab File: VD077362.D

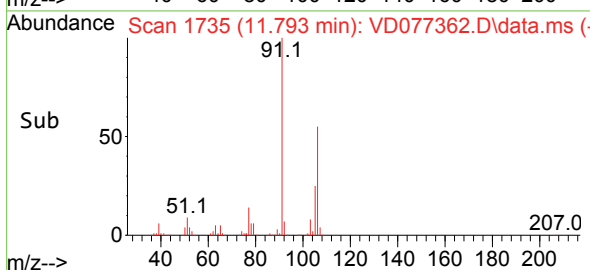
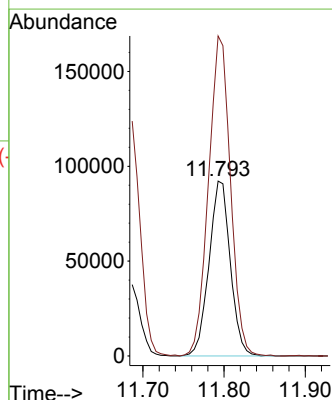
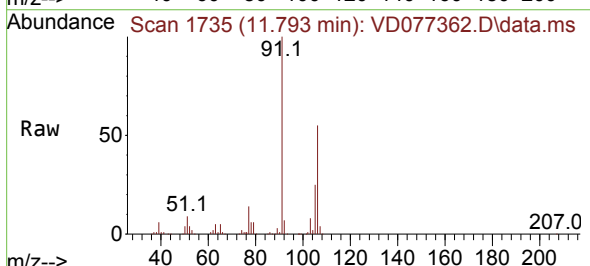
Acq: 20 Oct 2023 13:02

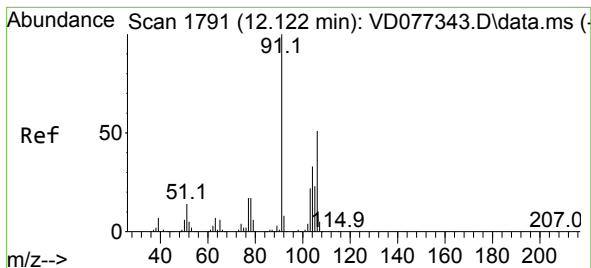
Tgt Ion:106 Resp: 167758

Ion Ratio Lower Upper

106 100

91 188.8 147.0 220.6

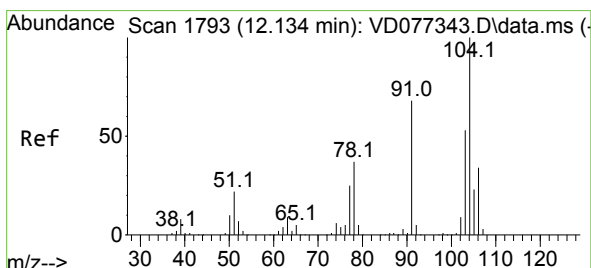
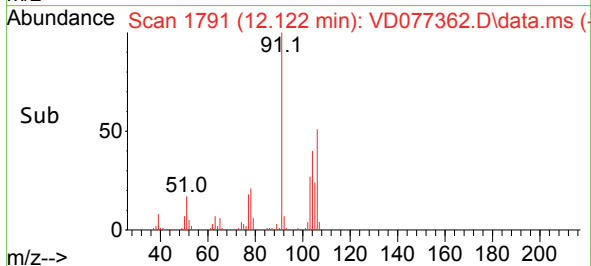
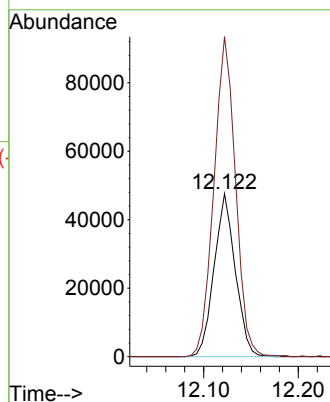
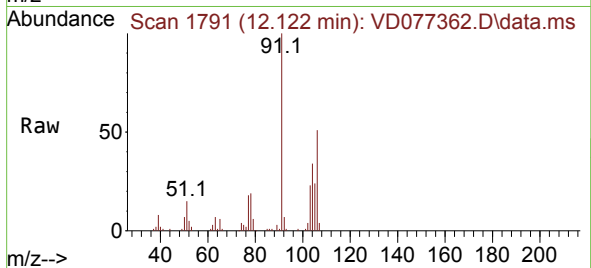




#69
o-Xylene
Concen: 18.550 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

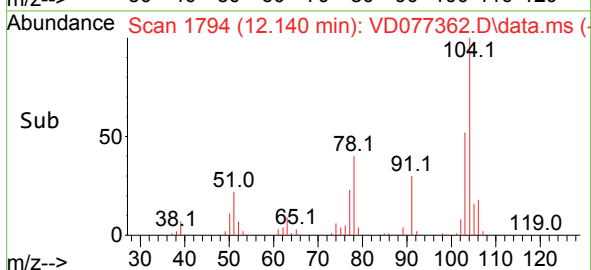
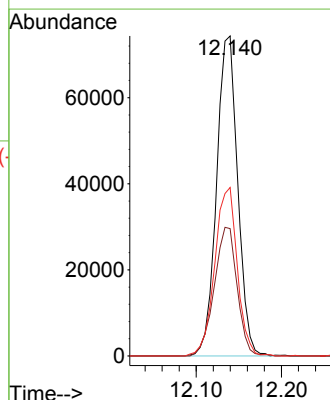
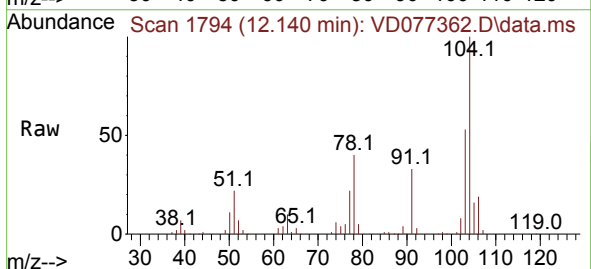
Instrument :
MSVOA_D
ClientSampleId :

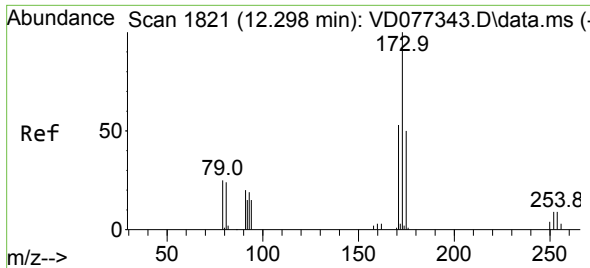
Tgt Ion:106 Resp: 73961
Ion Ratio Lower Upper
106 100
91 200.5 97.9 293.6



#70
Styrene
Concen: 18.836 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion:104 Resp: 128131
Ion Ratio Lower Upper
104 100
78 43.6 33.2 49.8
103 56.2 43.6 65.4

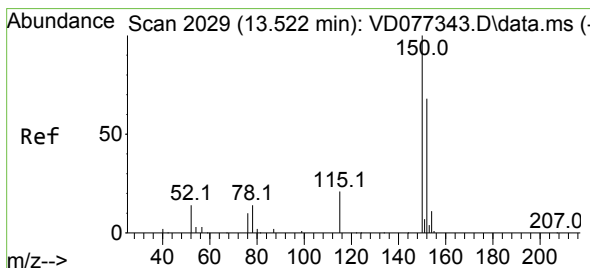
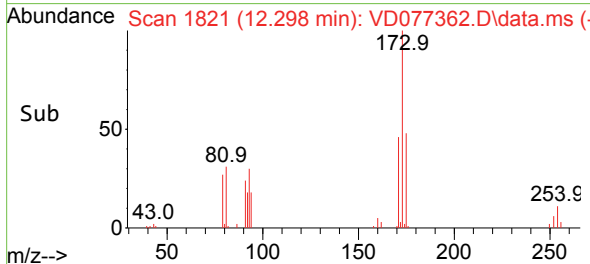
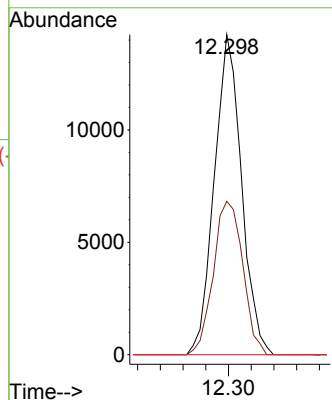
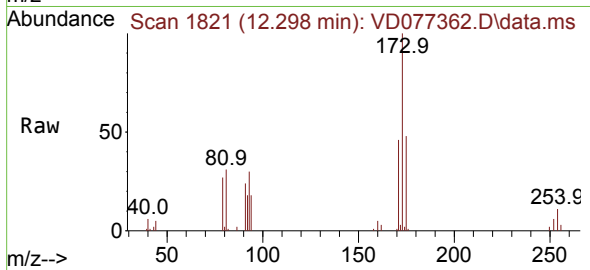




#71
Bromoform
Concen: 17.870 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

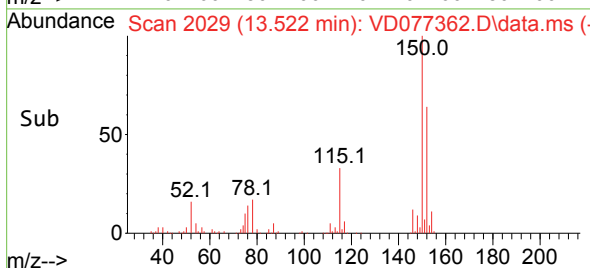
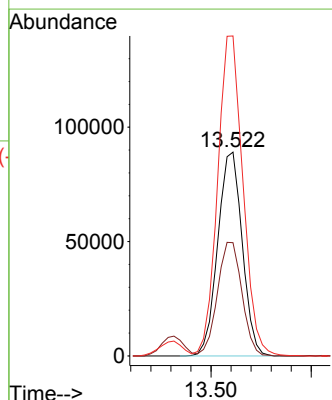
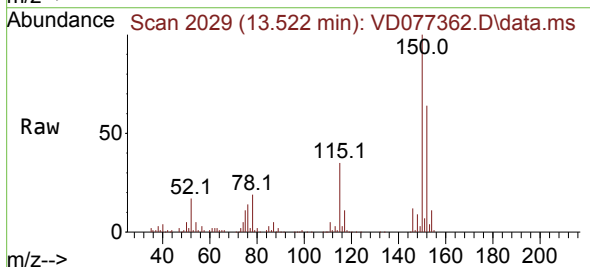
Instrument :
MSVOA_D
ClientSampleId :

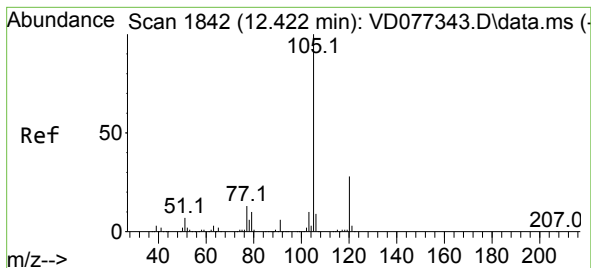
Tgt Ion:173 Resp: 23693
Ion Ratio Lower Upper
173 100
175 51.8 24.6 73.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion:152 Resp: 150985
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 162.5 0.0 353.6





#73

Isopropylbenzene

Concen: 19.044 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

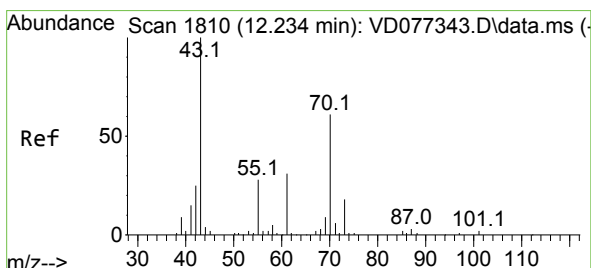
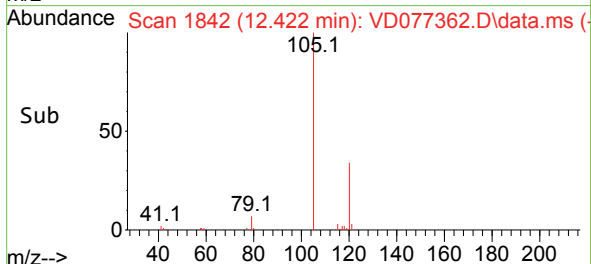
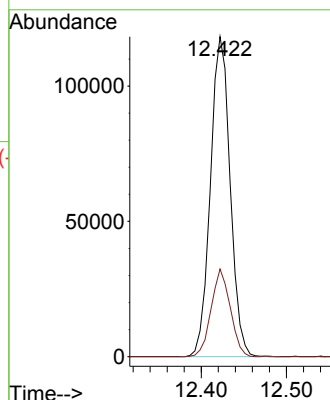
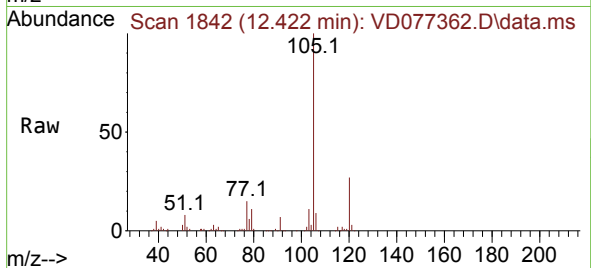
ClientSampleId :

Tgt Ion:105 Resp: 190185

Ion Ratio Lower Upper

105 100

120 26.5 14.3 42.9



#74

N-ethyl acetate

Concen: 22.745 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion: 43 Resp: 32678

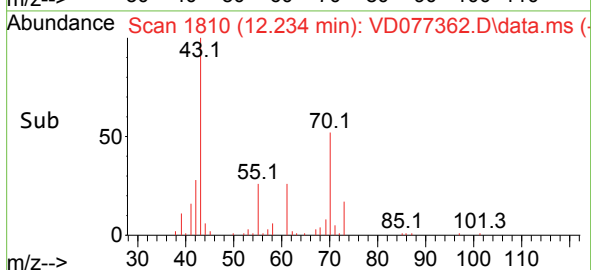
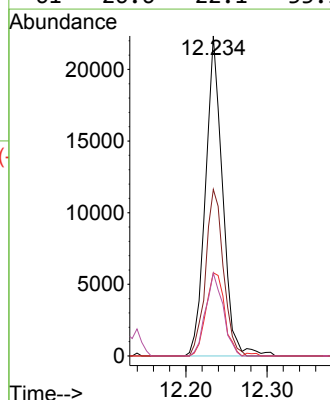
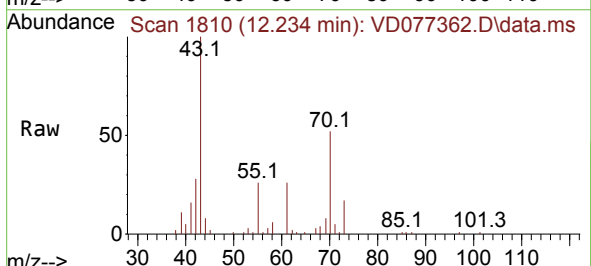
Ion Ratio Lower Upper

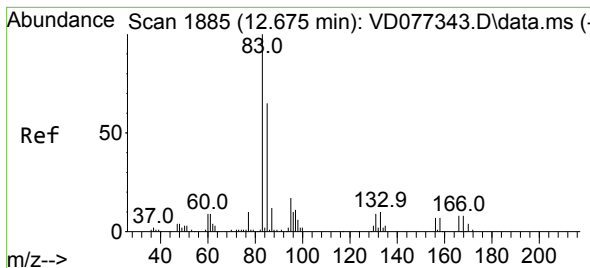
43 100

70 53.9 45.0 67.4

55 28.2 23.8 35.6

61 26.6 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.495 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077362.D

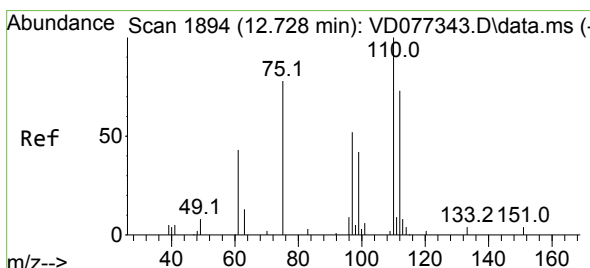
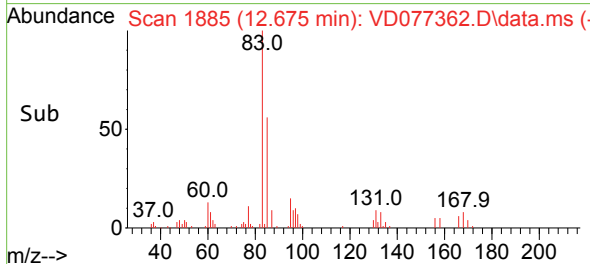
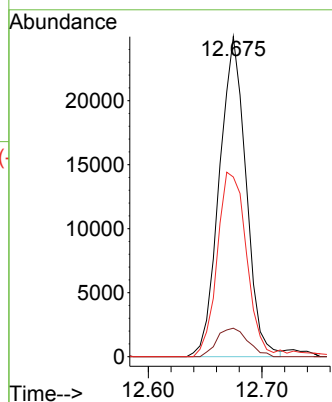
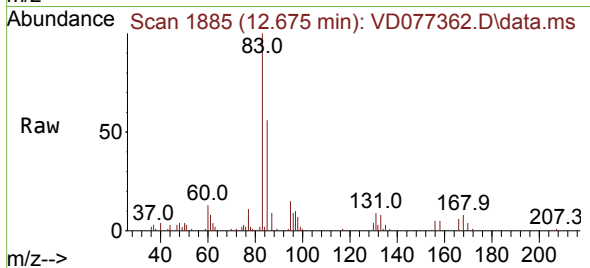
Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	40823
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	65.3	32.6	97.8



#76

1,2,3-Trichloropropane

Concen: 23.942 ug/l

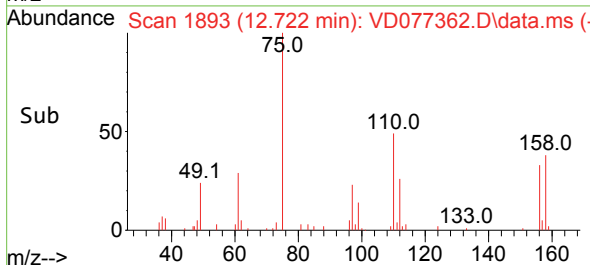
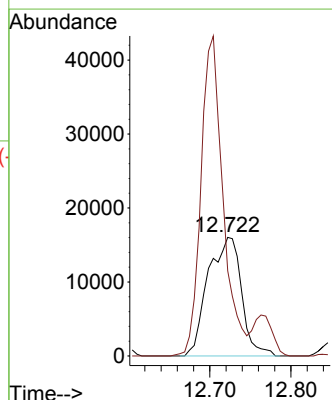
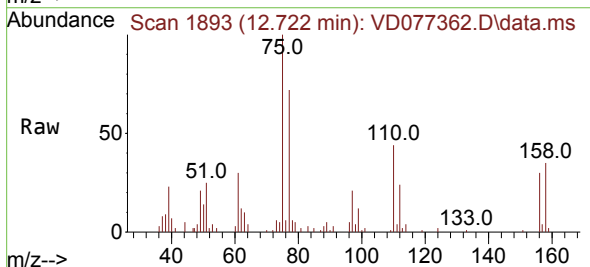
RT: 12.722 min Scan# 1893

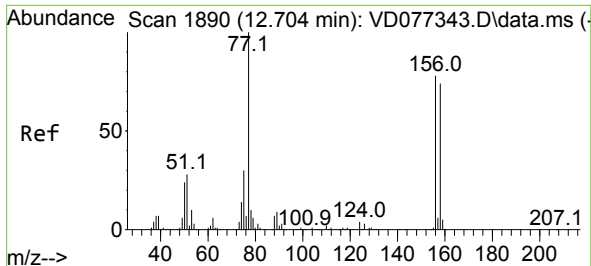
Delta R.T. -0.006 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion:	75	Resp:	45980
Ion Ratio	Lower	Upper	
75	100		
77	177.7	0.0	0.0#

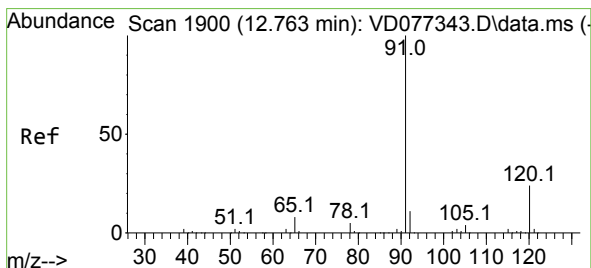
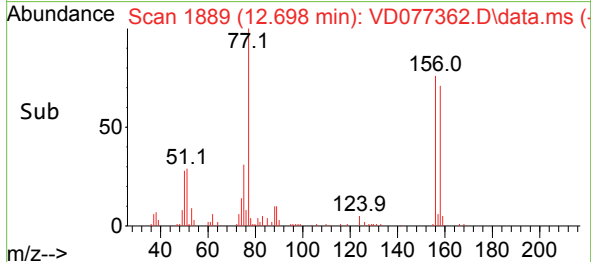
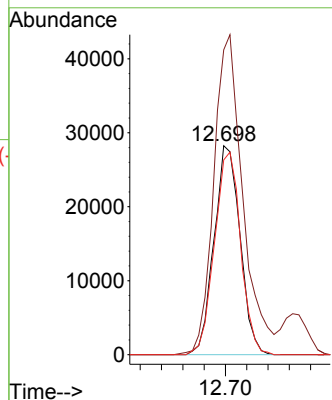
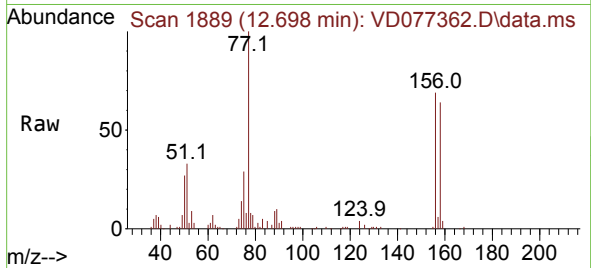




#77
Bromobenzene
Concen: 18.256 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

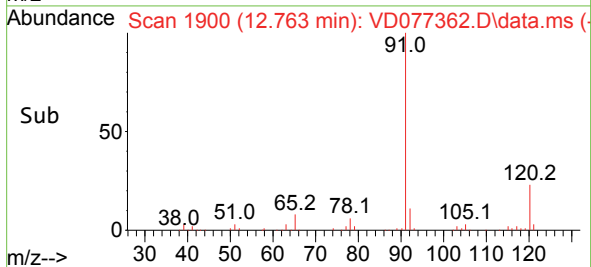
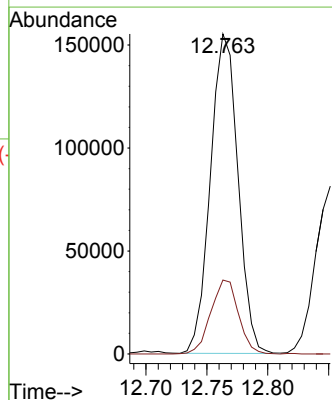
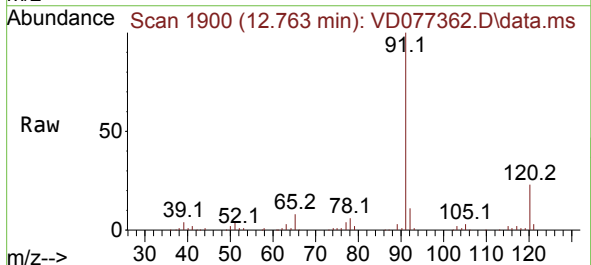
Instrument :
MSVOA_D
ClientSampleId :

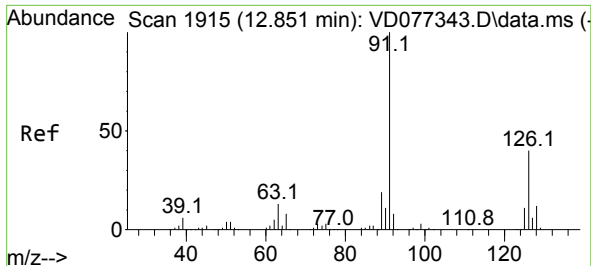
Tgt Ion:156 Resp: 47866
Ion Ratio Lower Upper
156 100
77 170.7 76.8 230.4
158 97.5 48.6 145.9



#78
n-propylbenzene
Concen: 20.320 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 91 Resp: 244396
Ion Ratio Lower Upper
91 100
120 23.2 12.4 37.2

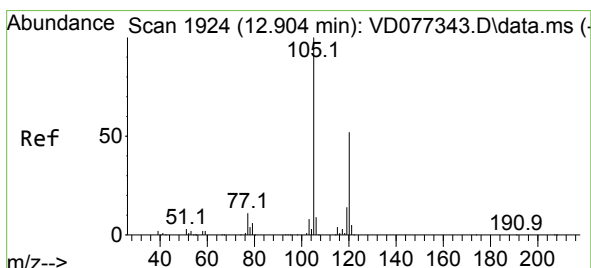
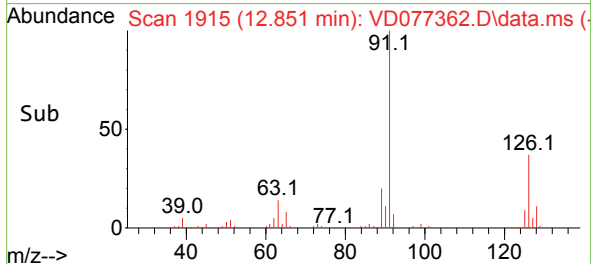
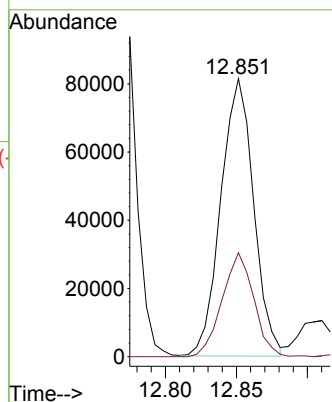
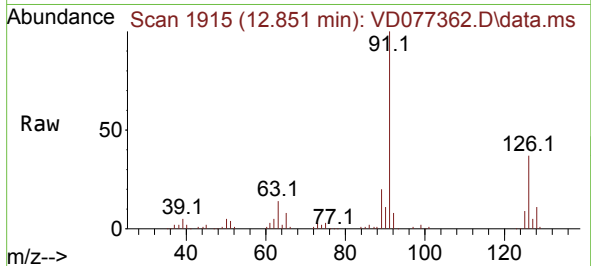




#79
2-Chlorotoluene
Concen: 19.981 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

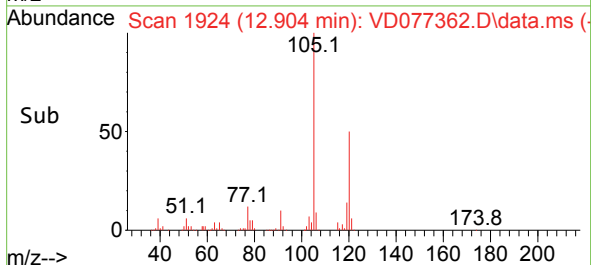
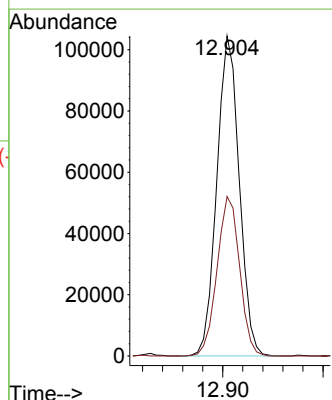
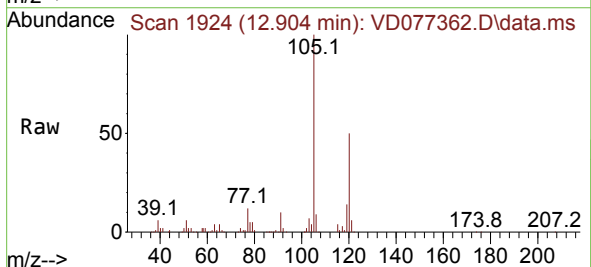
Instrument :
MSVOA_D
ClientSampleId :

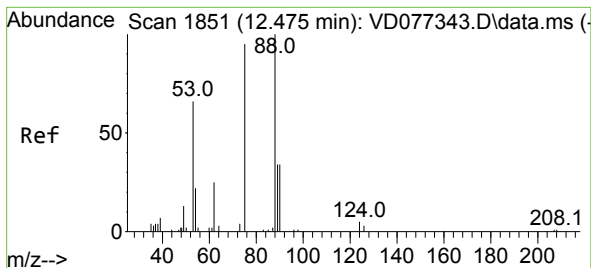
Tgt Ion: 91 Resp: 130895
Ion Ratio Lower Upper
91 100
126 36.1 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 19.656 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 105 Resp: 161993
Ion Ratio Lower Upper
105 100
120 50.2 26.4 79.2

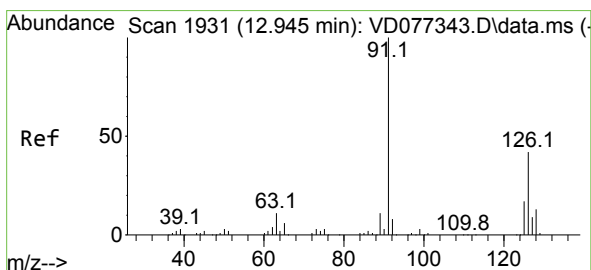
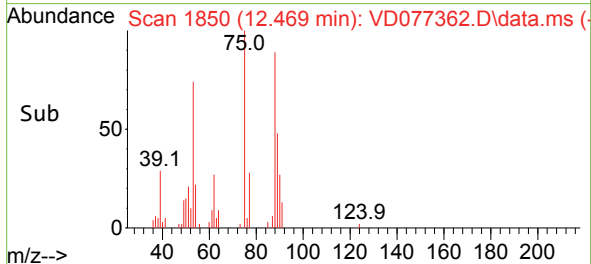
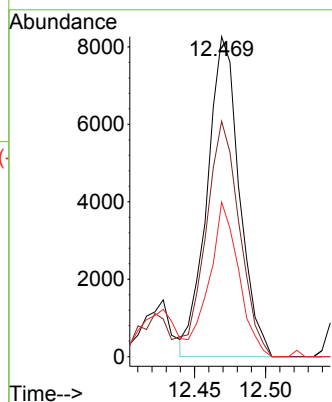
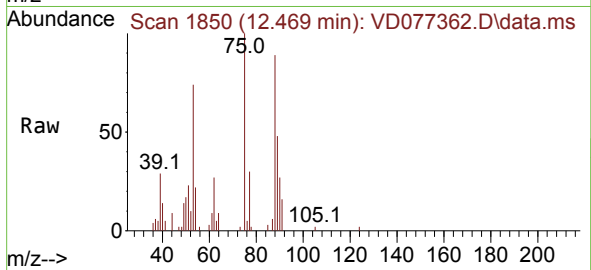




#81
trans-1,4-Dichloro-2-butene
Concen: 23.181 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

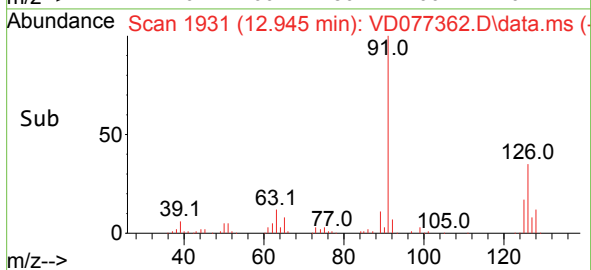
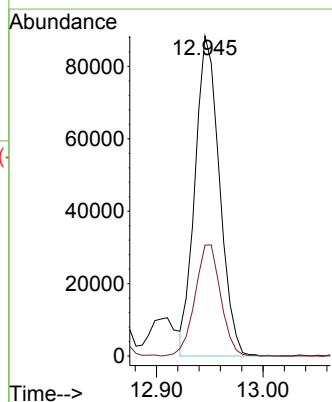
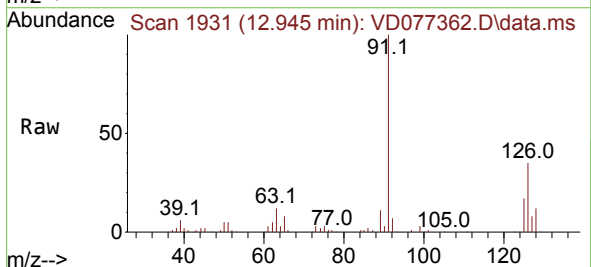
Instrument :
MSVOA_D
ClientSampleId :

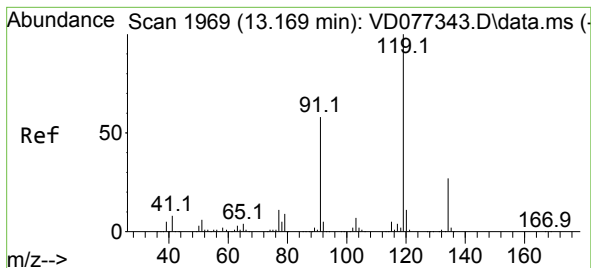
Tgt Ion: 75 Resp: 13062
Ion Ratio Lower Upper
75 100
53 77.6 63.0 94.4
89 43.5 37.9 56.9



#82
4-Chlorotoluene
Concen: 20.652 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 91 Resp: 140858
Ion Ratio Lower Upper
91 100
126 36.5 19.4 58.4





#83

tert-Butylbenzene

Concen: 18.334 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

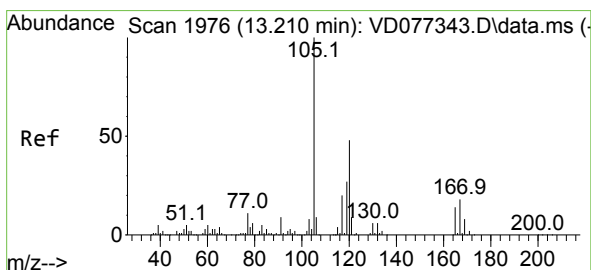
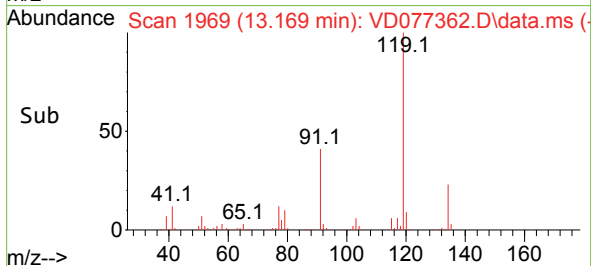
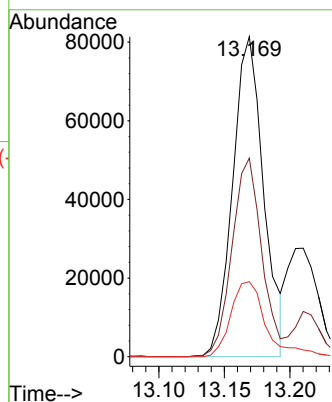
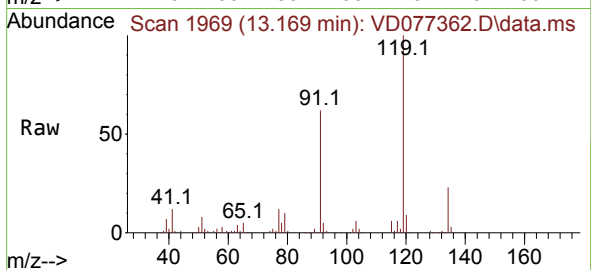
Tgt Ion:119 Resp: 133958

Ion Ratio Lower Upper

119 100

91 59.4 29.3 87.8

134 26.6 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 19.118 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD077362.D

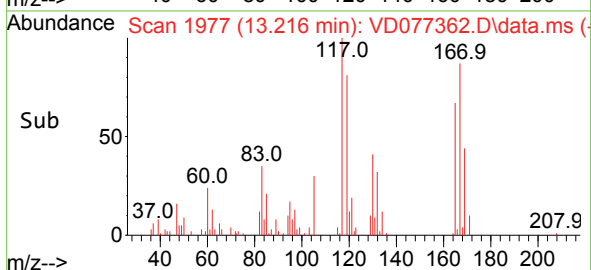
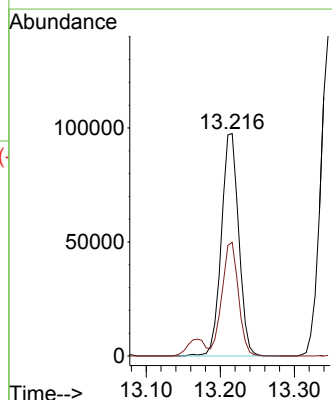
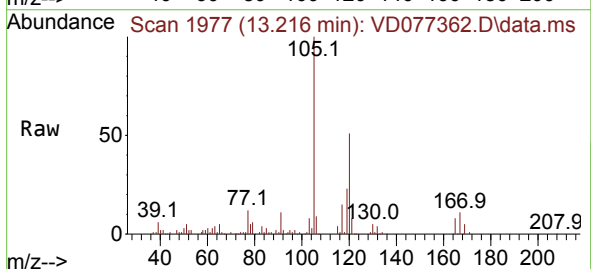
Acq: 20 Oct 2023 13:02

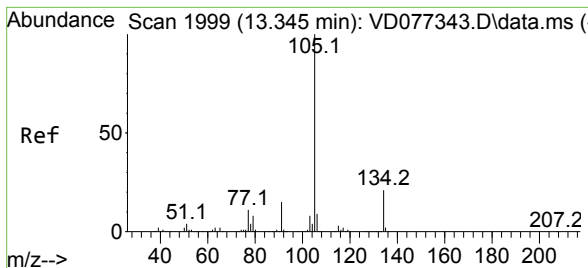
Tgt Ion:105 Resp: 158632

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9

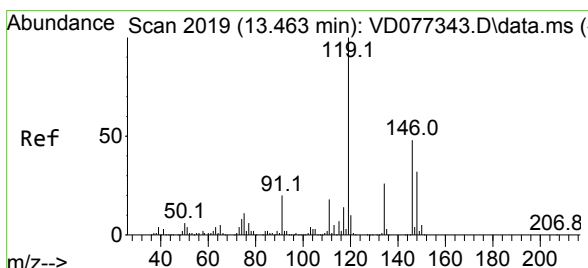
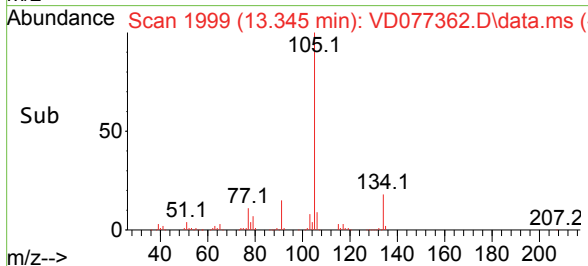
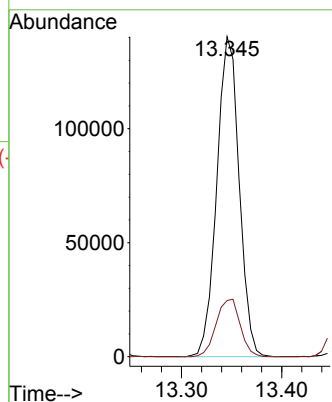
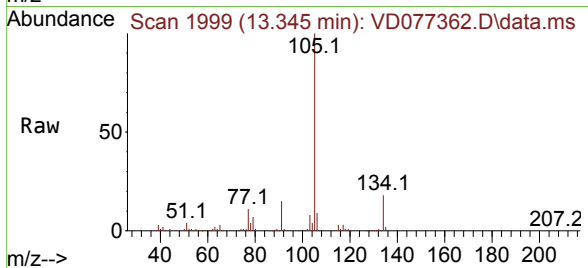




#85
 sec-Butylbenzene
 Concen: 19.743 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

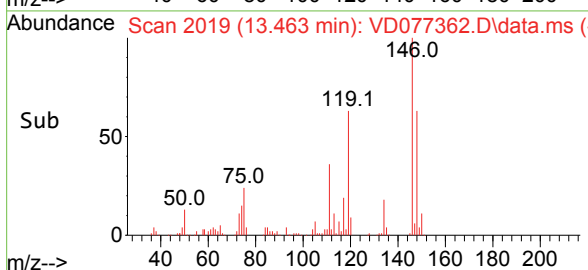
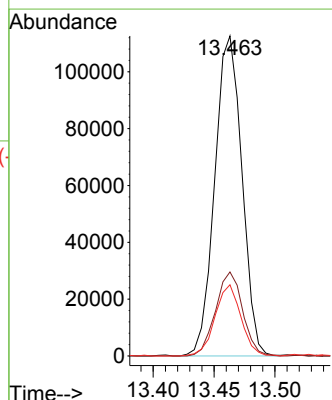
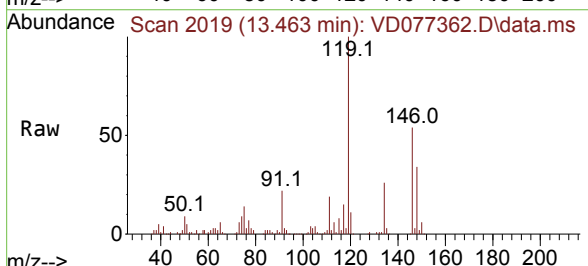
Instrument :
 MSVOA_D
 ClientSampleId :

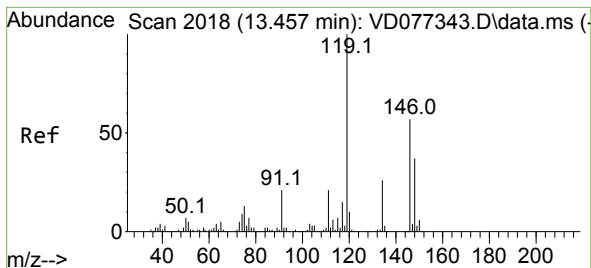
Tgt Ion:105 Resp: 217073
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 18.320 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077362.D
 Acq: 20 Oct 2023 13:02

Tgt Ion:119 Resp: 174993
 Ion Ratio Lower Upper
 119 100
 134 26.0 14.2 42.6
 91 21.2 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 18.791 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

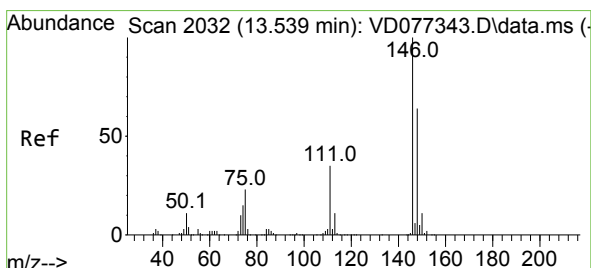
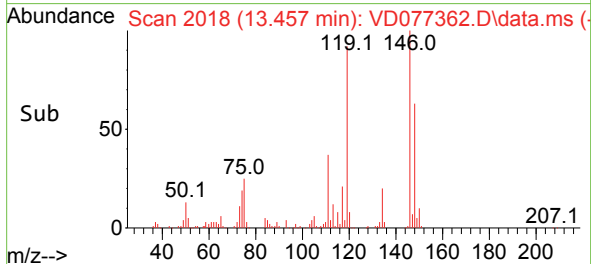
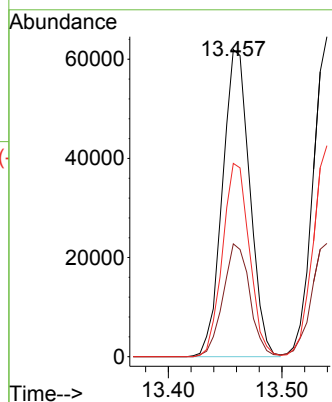
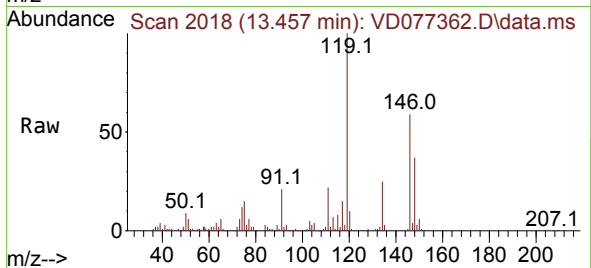
Tgt Ion:146 Resp: 103686

Ion Ratio Lower Upper

146 100

111 36.0 17.9 53.8

148 61.7 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 18.861 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

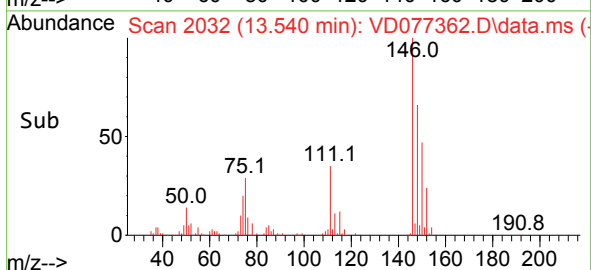
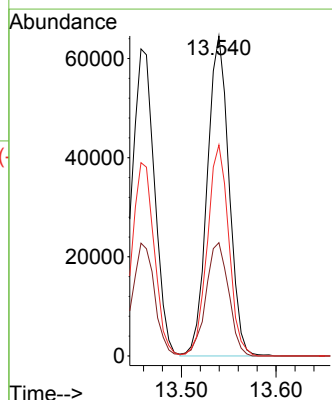
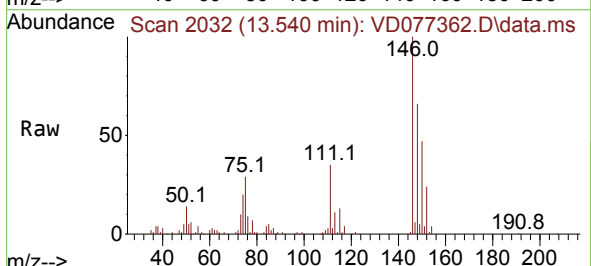
Tgt Ion:146 Resp: 103129

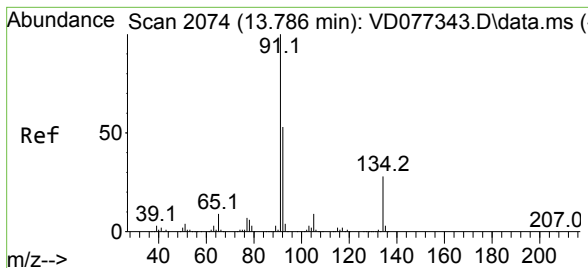
Ion Ratio Lower Upper

146 100

111 37.0 17.4 52.3

148 65.1 31.7 95.1





#89

n-Butylbenzene

Concen: 19.767 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

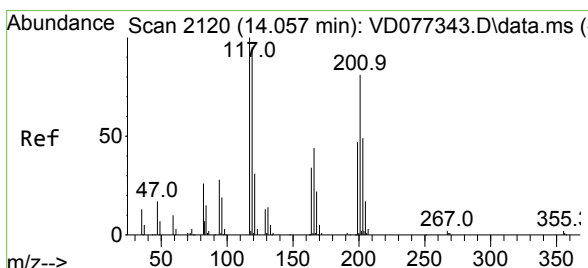
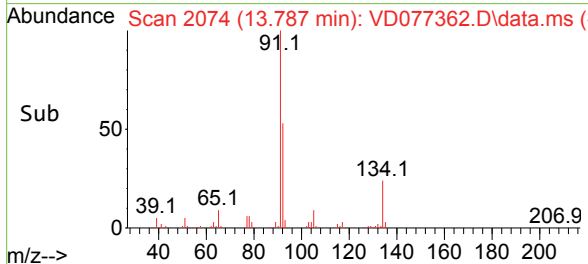
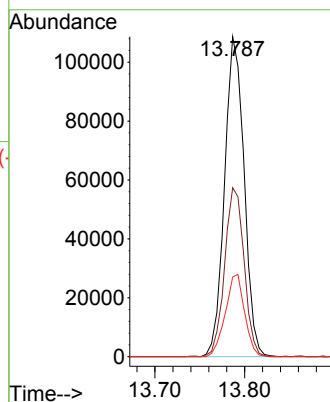
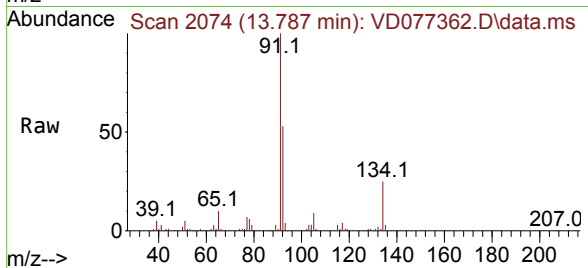
Tgt Ion: 91 Resp: 164412

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.5

134 25.4 13.8 41.3



#90

Hexachloroethane

Concen: 19.945 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VD077362.D

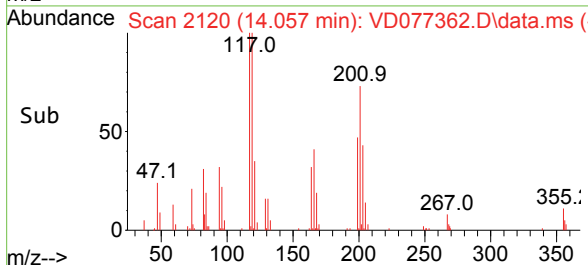
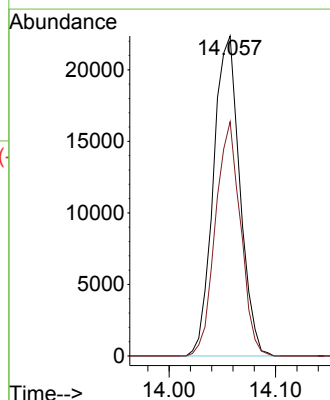
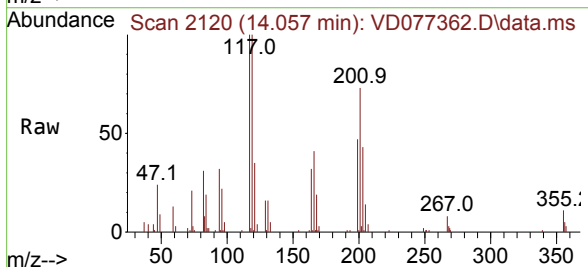
Acq: 20 Oct 2023 13:02

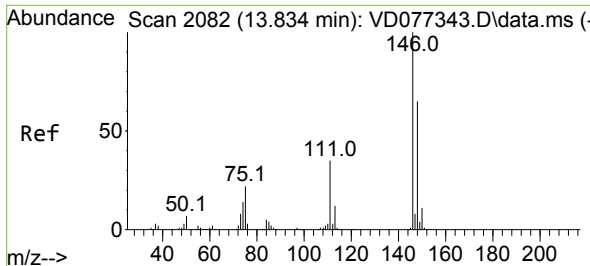
Tgt Ion: 117 Resp: 38510

Ion Ratio Lower Upper

117 100

201 69.6 38.5 115.5

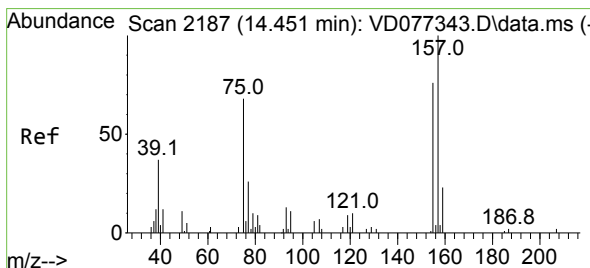
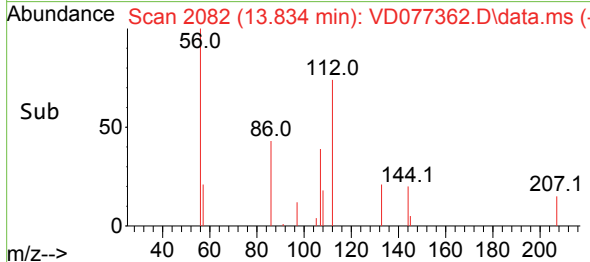
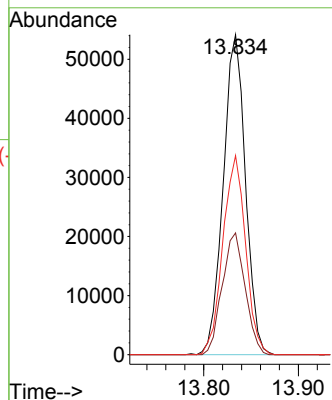
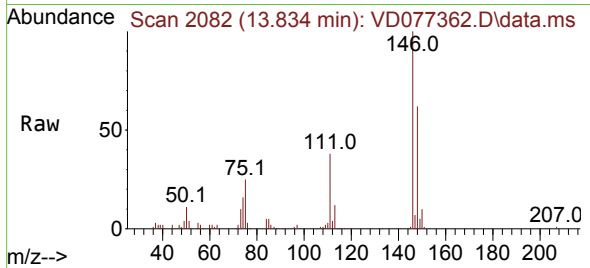




#91
1,2-Dichlorobenzene
Concen: 18.981 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

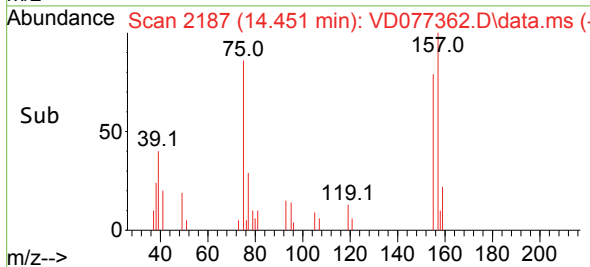
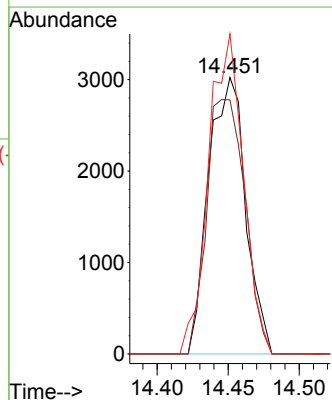
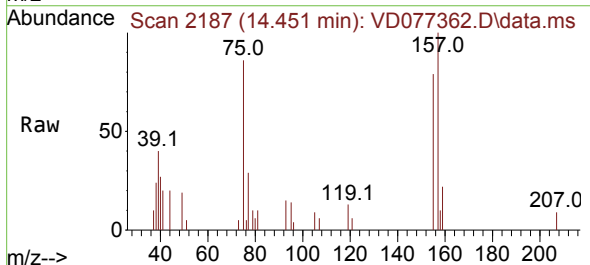
Instrument :
MSVOA_D
ClientSampleId :

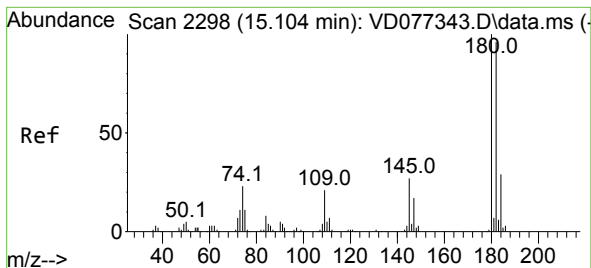
Tgt Ion:146 Resp: 88472
Ion Ratio Lower Upper
146 100
111 39.3 18.3 54.8
148 63.6 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 24.644 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD077362.D
Acq: 20 Oct 2023 13:02

Tgt Ion: 75 Resp: 5474
Ion Ratio Lower Upper
75 100
155 95.5 47.9 143.8
157 108.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 16.673 ug/l

RT: 15.098 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

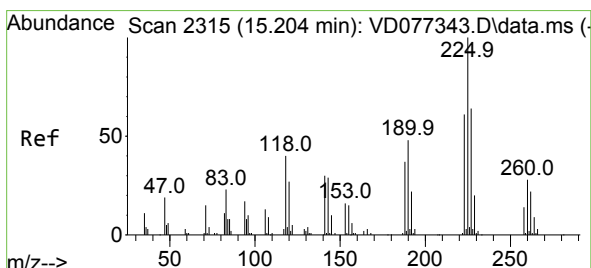
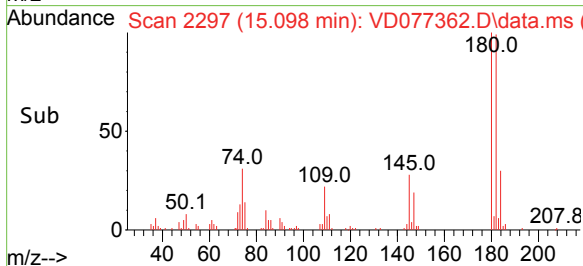
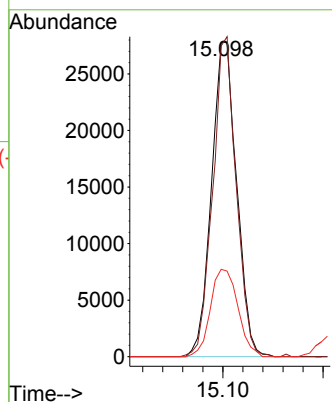
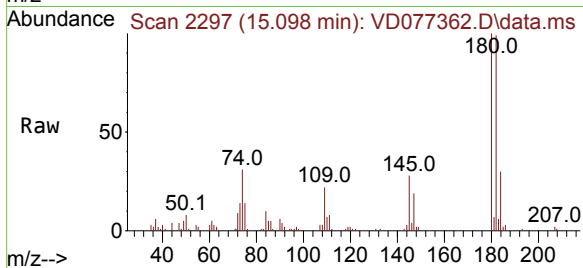
Tgt Ion:180 Resp: 48419

Ion Ratio Lower Upper

180 100

182 94.6 48.5 145.6

145 30.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 16.165 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

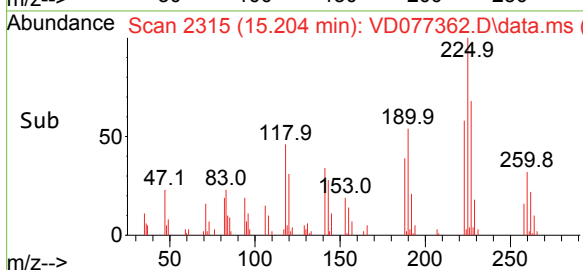
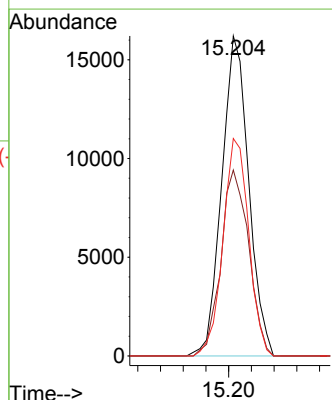
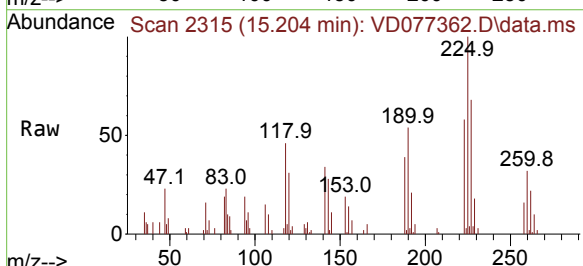
Tgt Ion:225 Resp: 26662

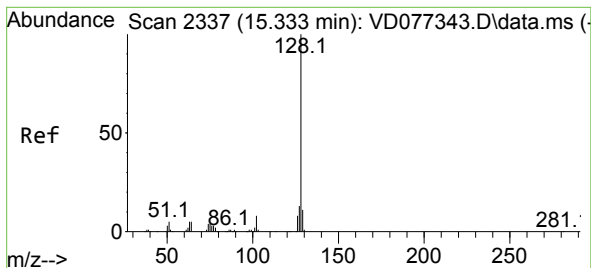
Ion Ratio Lower Upper

225 100

223 60.1 31.6 94.8

227 65.1 31.7 95.1





#95

Naphthalene

Concen: 16.967 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077362.D

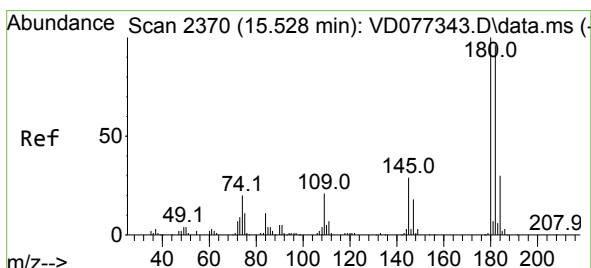
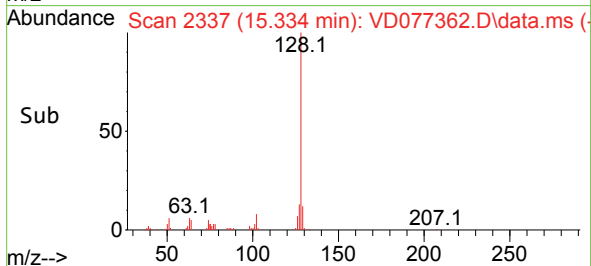
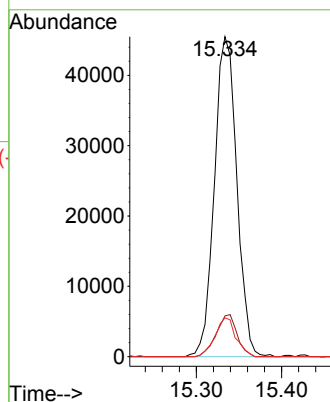
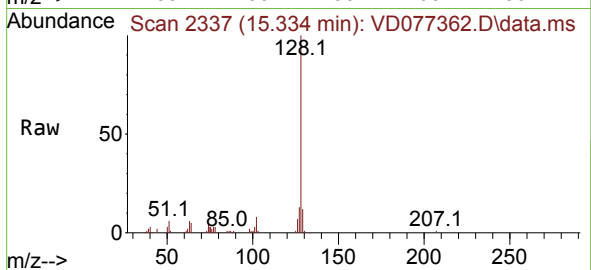
Acq: 20 Oct 2023 13:02

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	83194
Ion Ratio	Lower	Upper
128	100	
127	12.8	10.5 15.7
129	12.1	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 17.366 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD077362.D

Acq: 20 Oct 2023 13:02

Tgt Ion:180	Resp:	43774
Ion Ratio	Lower	Upper
180	100	
182	94.1	47.3 141.9
145	30.5	15.1 45.3

