

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110923\
 Data File : VD077529.D
 Acq On : 09 Nov 2023 11:33
 Operator : JC/SY
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:34:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 00:25:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	374493	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	337222	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	160592	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	208981	21.937	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.760%
7) Chloroethane-d5	2.805	69	167806	22.422	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.680%
11) 1,1-Dichloroethene-d2	3.922	65	63854	21.676	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.720%
21) 2-Butanone-d5	6.987	46	72539	43.980	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.960%
24) Chloroform-d	7.575	84	258500	23.895	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	8.234	65	133706	23.235	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.960%
32) Benzene-d6	8.204	84	521918	23.846	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	9.210	67	169522	23.779	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.120%
41) Toluene-d8	10.269	98	471123	23.821	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.280%
43) trans-1,3-Dichloroprop...	10.528	79	70483	22.930	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.720%
47) 2-Hexanone-d5	10.881	63	54547	42.771	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108951	23.066	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	13.816	152	134654	23.569	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	125530	20.814	ug/L	100
3) Chloromethane	2.152	50	197904	22.808	ug/L	97
5) Vinyl chloride	2.287	62	214311	21.883	ug/L	98
6) Bromomethane	2.699	94	117903	22.613	ug/L	97
8) Chloroethane	2.840	64	133294	21.892	ug/L	96
9) Trichlorofluoromethane	3.181	101	187577	21.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	115139	20.992	ug/L	99
12) 1,1-Dichloroethene	3.946	96	111990	21.029	ug/L	94
13) Acetone	4.022	43	73011	42.112	ug/L	96
14) Carbon disulfide	4.275	76	412292	21.500	ug/L	96
15) Methyl Acetate	4.569	43	58832	20.627	ug/L	100
16) Methylene chloride	4.810	84	129419	20.468	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	121417	21.674	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	279738	21.275	ug/L	99
19) 1,1-Dichloroethane	6.116	63	247667	22.035	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	134184	22.047	ug/L	96
22) 2-Butanone	7.087	43	84976	40.735	ug/L	97
23) Bromochloromethane	7.428	128	53755	21.981	ug/L	95
25) Chloroform	7.599	83	229448	22.222	ug/L	99

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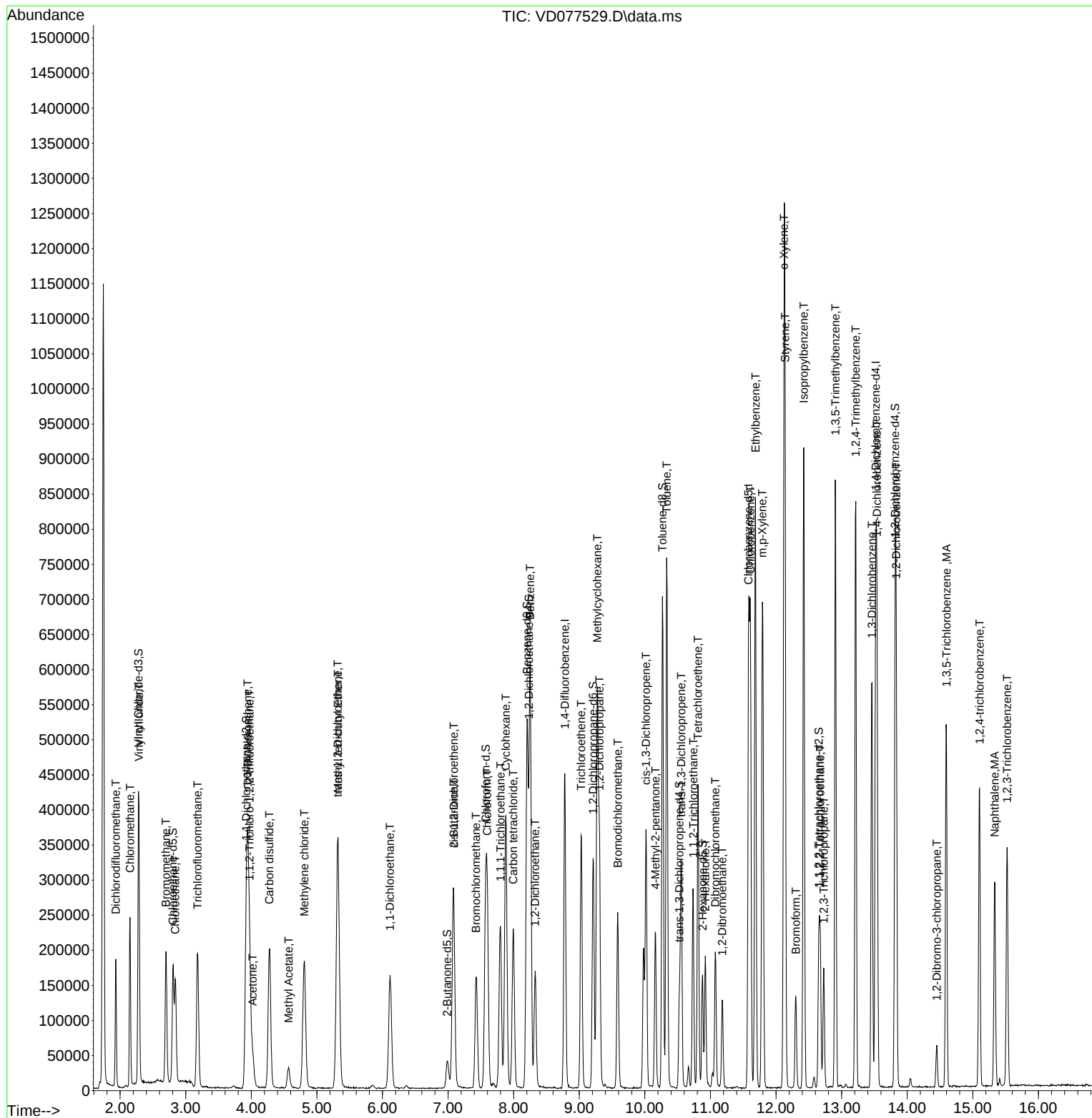
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	150665	22.012	ug/L	97
29) Cyclohexane	7.881	56	232796	21.262	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	193920	21.966	ug/L	99
31) Carbon tetrachloride	7.993	117	168490	22.208	ug/L	98
33) Benzene	8.251	78	527271	22.547	ug/L	100
34) Trichloroethene	9.028	95	130888	22.588	ug/L	95
35) Methylcyclohexane	9.275	83	225529	21.568	ug/L	99
37) 1,2-Dichloropropane	9.310	63	143939	22.141	ug/L	99
38) Bromodichloromethane	9.587	83	164798	22.100	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	222133	22.236	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	163011	41.147	ug/L	99
42) Toluene	10.334	91	554178	22.571	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	181528	21.991	ug/L	98
45) 1,1,2-Trichloroethane	10.740	97	85950	21.629	ug/L	98
46) Tetrachloroethene	10.810	164	95054	22.294	ug/L	100
48) 2-Hexanone	10.922	43	129674	41.295	ug/L	100
49) Dibromochloromethane	11.075	129	97280	21.551	ug/L	93
50) 1,2-Dibromoethane	11.181	107	81686	21.495	ug/L	99
51) Chlorobenzene	11.610	112	324377	22.551	ug/L	99
52) Ethylbenzene	11.687	91	606097	22.435	ug/L	97
53) m,p-Xylene	11.792	106	219429	22.321	ug/L	99
54) o-Xylene	12.122	106	212843	22.606	ug/L	98
55) Styrene	12.139	104	369587	22.482	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	100466	21.461	ug/L	95
59) Bromoform	12.304	173	58160	21.242	ug/L	100
60) Isopropylbenzene	12.422	105	578282	22.262	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	69120	20.206	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	438653	22.250	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	448265	22.447	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	233319	21.894	ug/L	100
65) 1,4-Dichlorobenzene	13.539	146	238300	22.158	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	204066	21.659	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.451	75	14621	19.650	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.598	180	157544	21.712	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	132098	21.601	ug/L	100
71) Naphthalene	15.333	128	242239	21.018	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	114170	21.895	ug/L	97

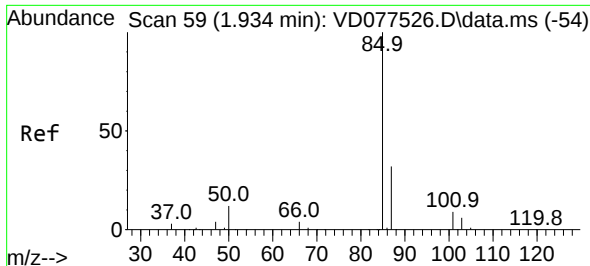
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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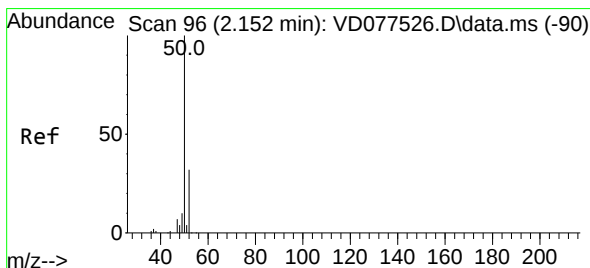
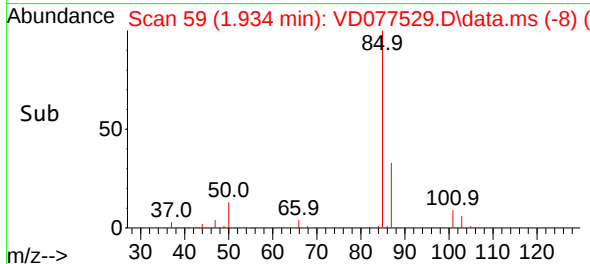
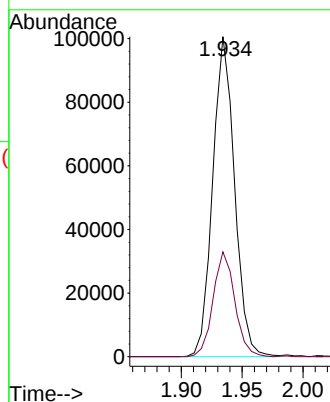
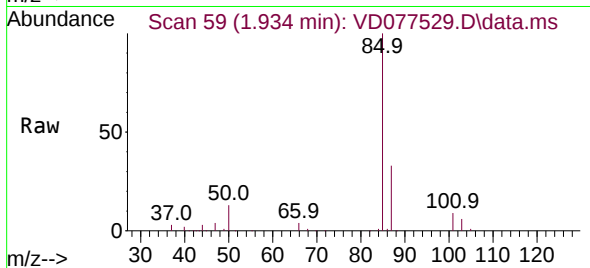




#2
Dichlorodifluoromethane
Concen: 20.814 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

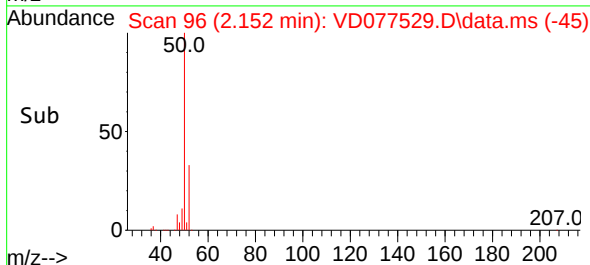
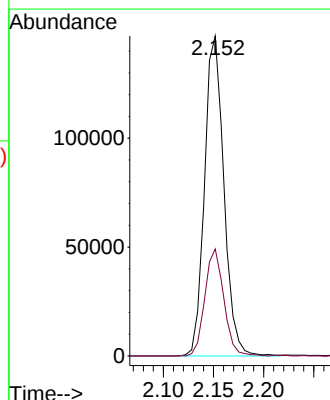
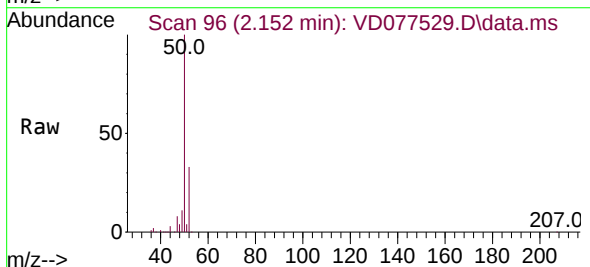
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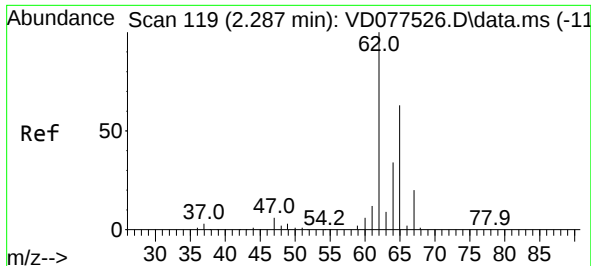
Tgt Ion: 85 Resp: 125530
Ion Ratio Lower Upper
85 100
87 32.5 26.2 39.2



#3
Chloromethane
Concen: 22.808 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion: 50 Resp: 197904
Ion Ratio Lower Upper
50 100
52 33.5 22.1 41.1

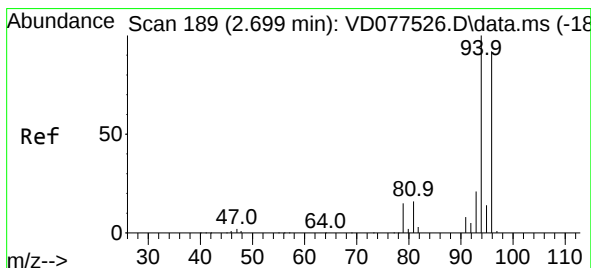
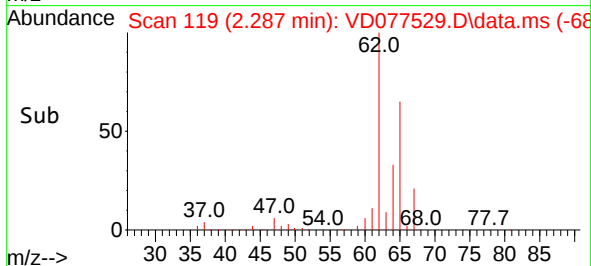
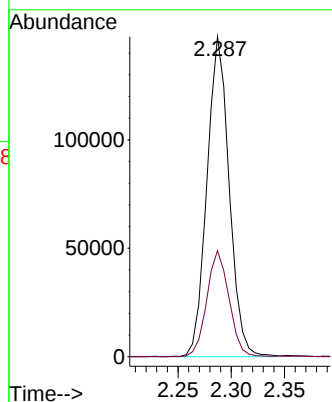
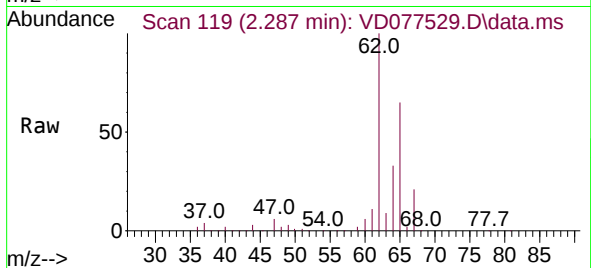




#5
 Vinyl chloride
 Concen: 21.883 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VD077529.D
 Acq: 09 Nov 2023 11:33

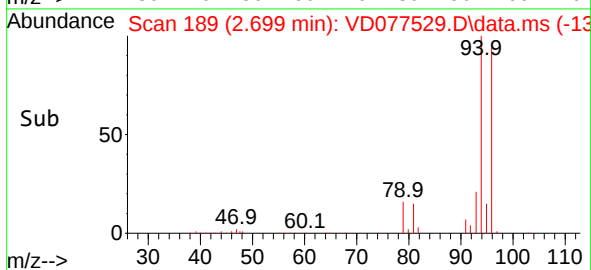
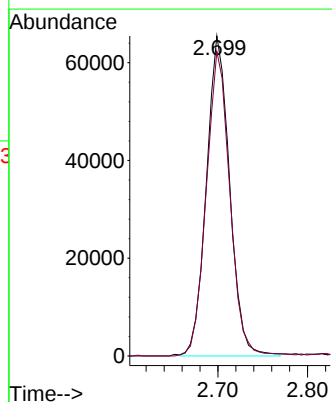
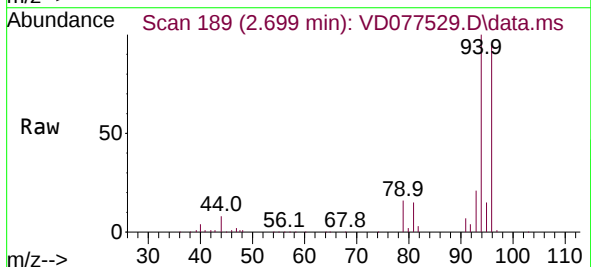
Instrument :
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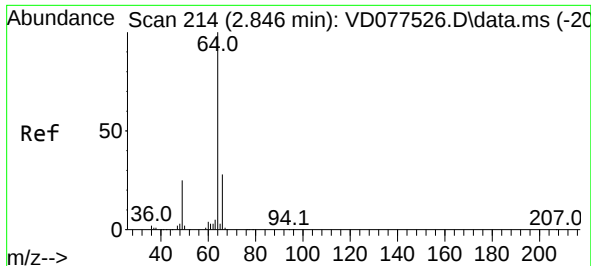
Tgt Ion: 62 Resp: 214311
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.9 44.5



#6
 Bromomethane
 Concen: 22.613 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.000 min
 Lab File: VD077529.D
 Acq: 09 Nov 2023 11:33

Tgt Ion: 94 Resp: 117903
 Ion Ratio Lower Upper
 94 100
 96 95.2 64.5 119.9

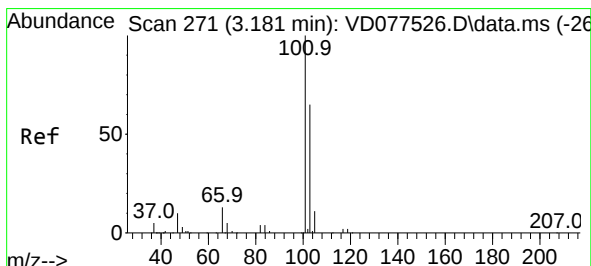
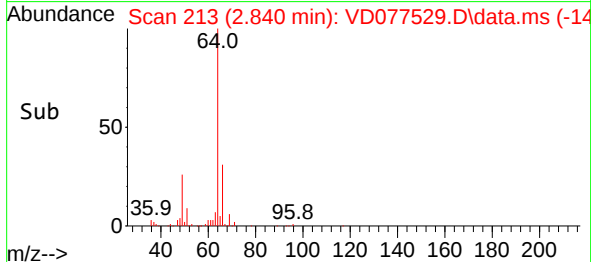
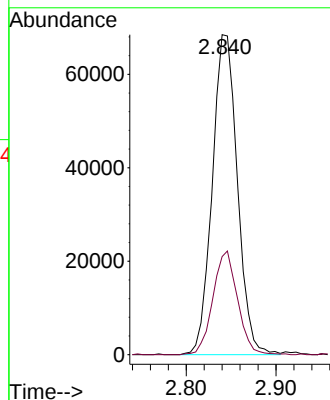
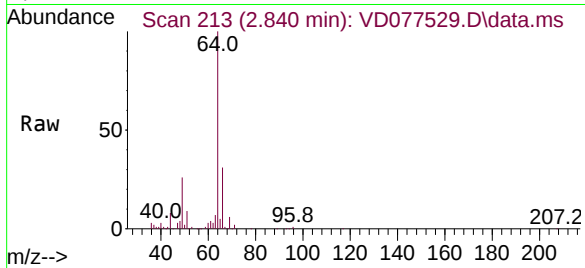




#8
Chloroethane
Concen: 21.892 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

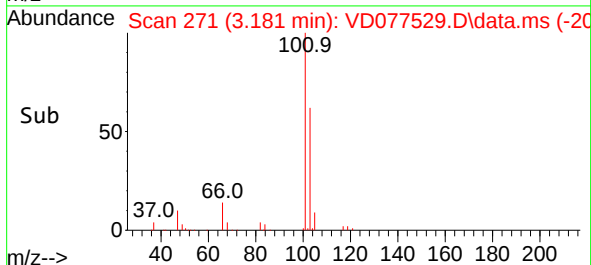
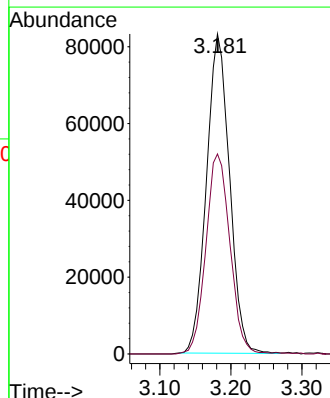
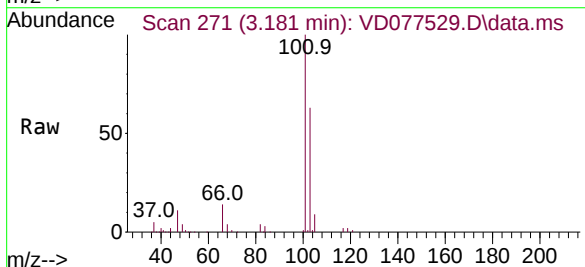
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ClientSampleId :

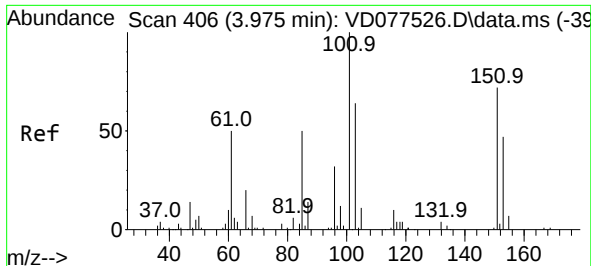
Tgt Ion: 64 Resp: 133294
Ion Ratio Lower Upper
64 100
66 30.7 19.8 36.8



#9
Trichlorofluoromethane
Concen: 21.046 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion:101 Resp: 187577
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9

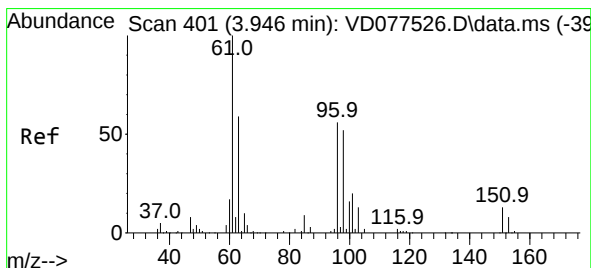
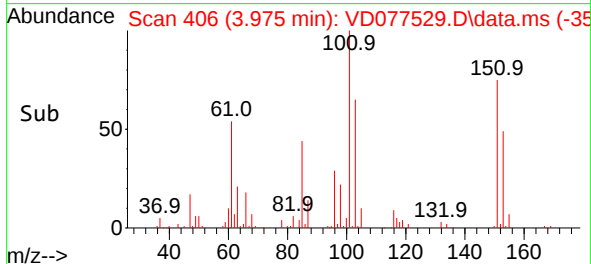
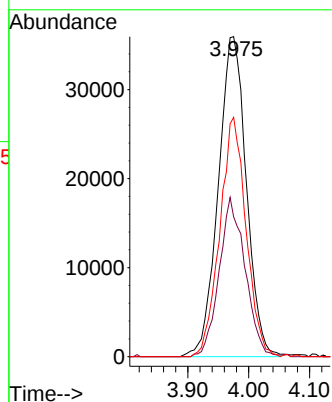
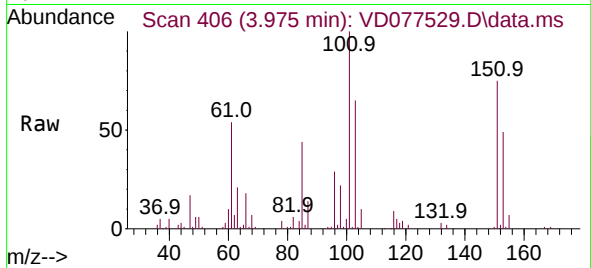




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 20.992 ug/L
RT: 3.975 min Scan# 406
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

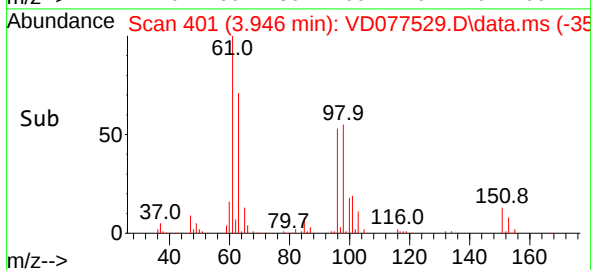
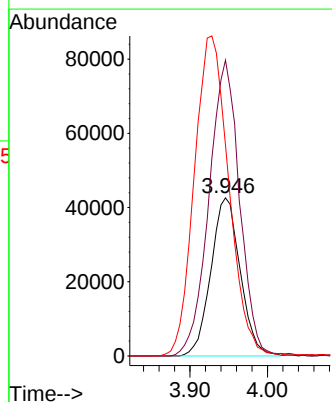
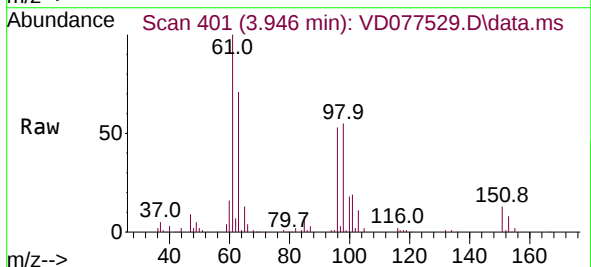
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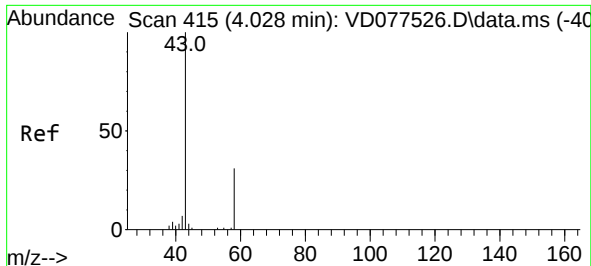
Tgt Ion:101 Resp: 115139
Ion Ratio Lower Upper
101 100
85 46.0 36.8 55.2
151 70.0 56.6 84.8



#12
1,1-Dichloroethene
Concen: 21.029 ug/L
RT: 3.946 min Scan# 401
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

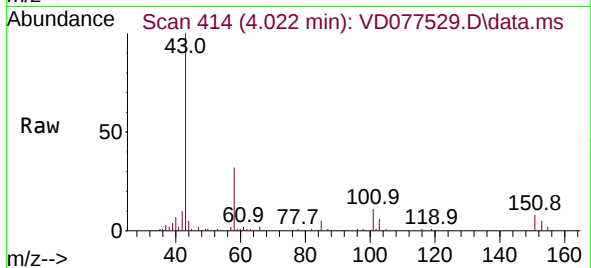
Tgt Ion: 96 Resp: 111990
Ion Ratio Lower Upper
96 100
61 187.1 127.5 236.9
63 133.4 86.4 160.4



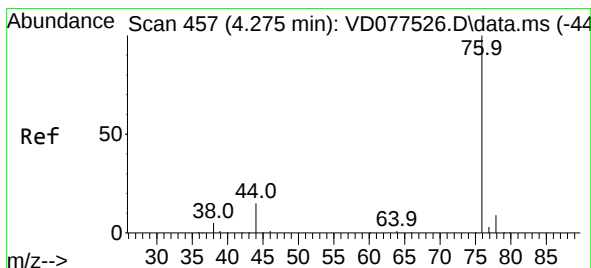
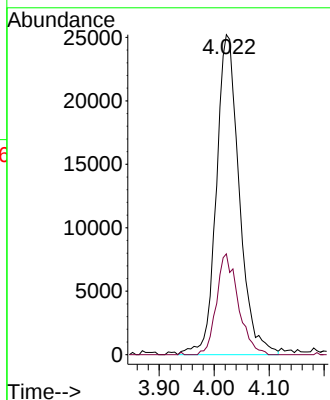
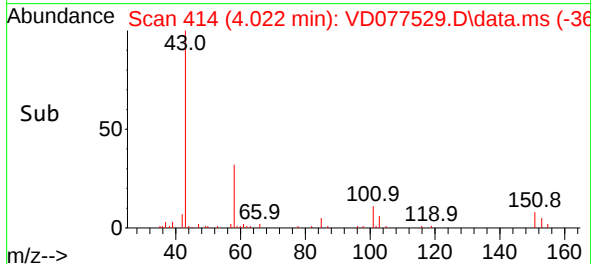


#13
Acetone
Concen: 42.112 ug/L
RT: 4.022 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

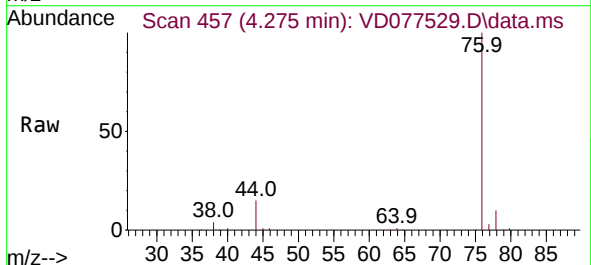
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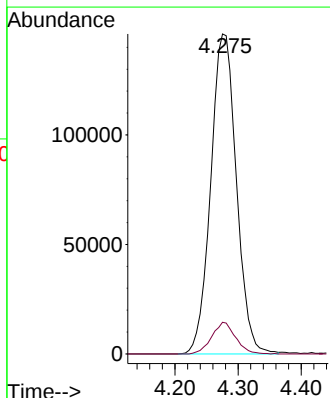
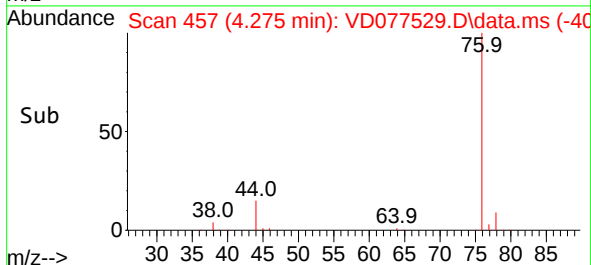
Tgt Ion: 43 Resp: 73011
Ion Ratio Lower Upper
43 100
58 29.9 0.0 64.0

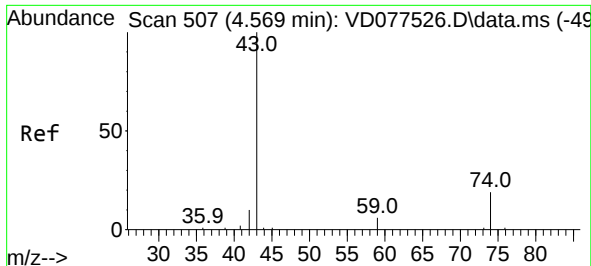


#14
Carbon disulfide
Concen: 21.500 ug/L
RT: 4.275 min Scan# 457
Delta R.T. -0.000 min
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Acq: 09 Nov 2023 11:33



Tgt Ion: 76 Resp: 412292
Ion Ratio Lower Upper
76 100
78 9.9 6.9 10.3

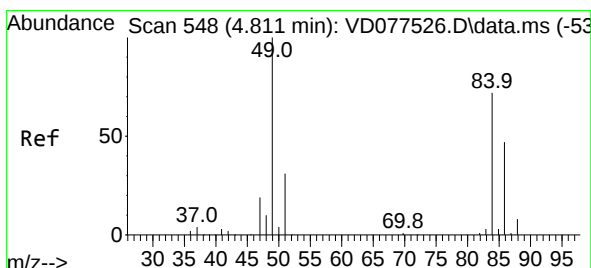
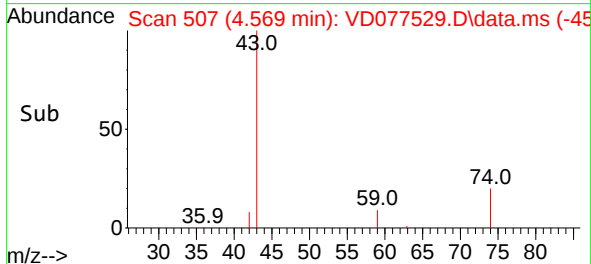
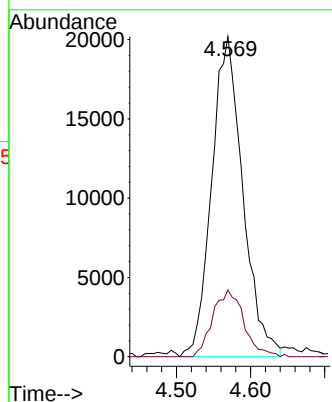
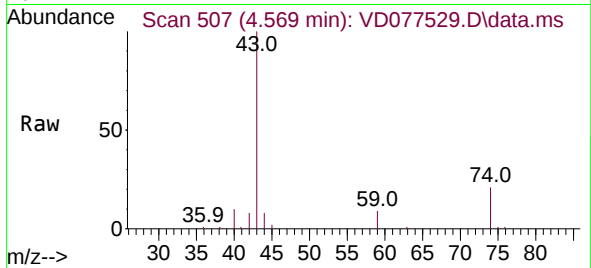




#15
Methyl Acetate
Concen: 20.627 ug/L
RT: 4.569 min Scan# 507
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

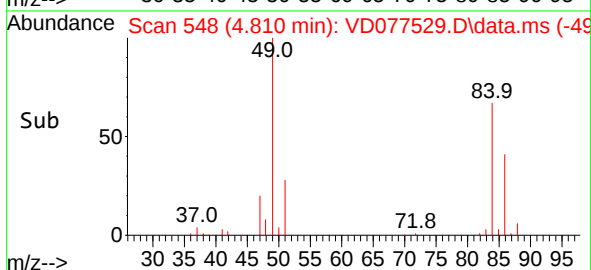
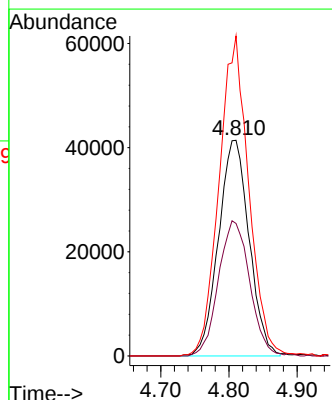
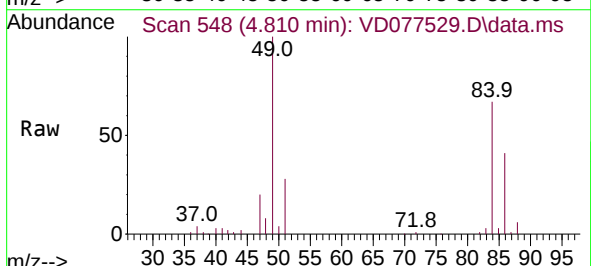
Instrument :
MSVOA_D
ClientSampleId :

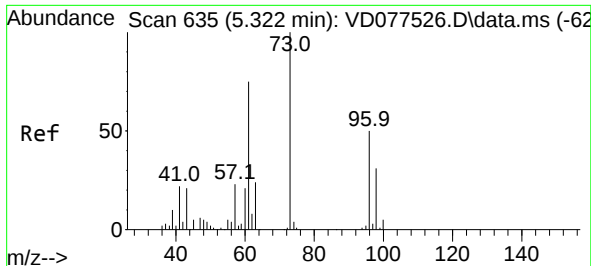
Tgt Ion: 43 Resp: 58832
Ion Ratio Lower Upper
43 100
74 20.7 16.6 24.8



#16
Methylene chloride
Concen: 20.468 ug/L
RT: 4.810 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

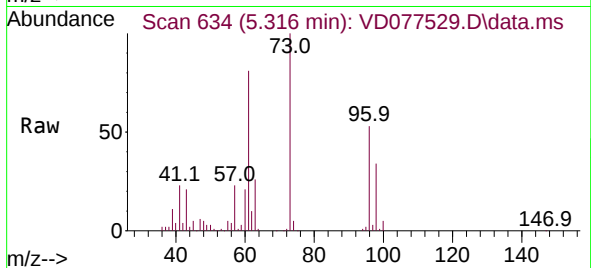
Tgt Ion: 84 Resp: 129419
Ion Ratio Lower Upper
84 100
86 61.4 46.5 86.5
49 148.3 98.3 182.7



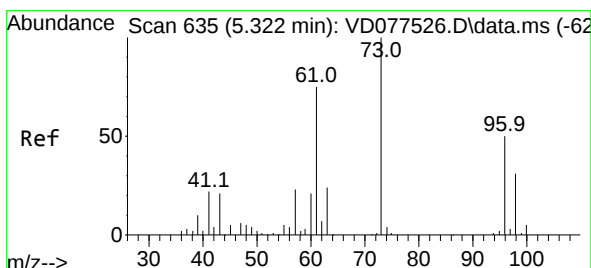
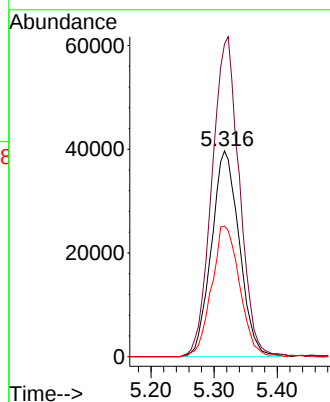
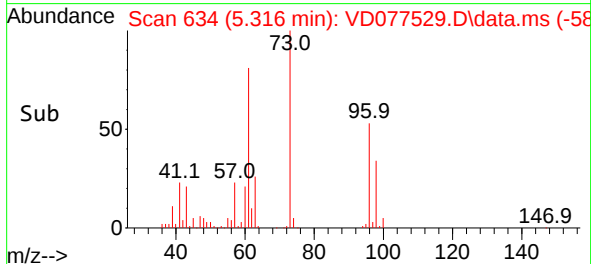


#17
trans-1,2-Dichloroethene
Concen: 21.674 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

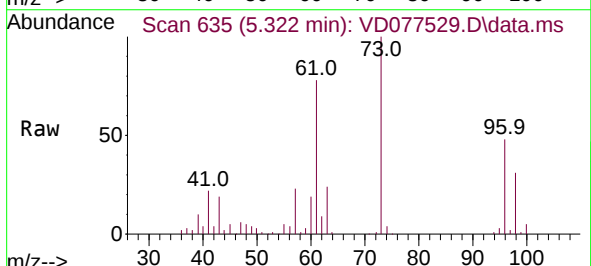
Instrument :
MSVOA_D
ClientSampleId :



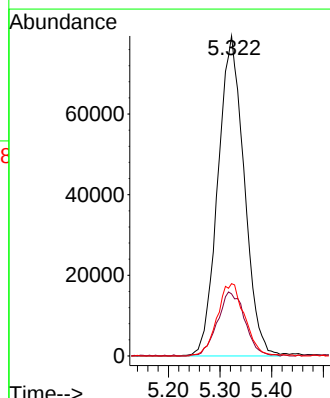
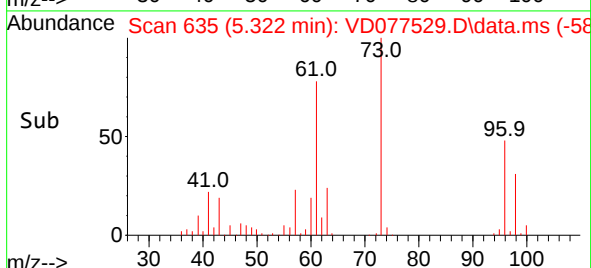
Tgt Ion: 96 Resp: 121417
Ion Ratio Lower Upper
96 100
61 152.0 104.0 193.2
98 63.5 43.1 80.1

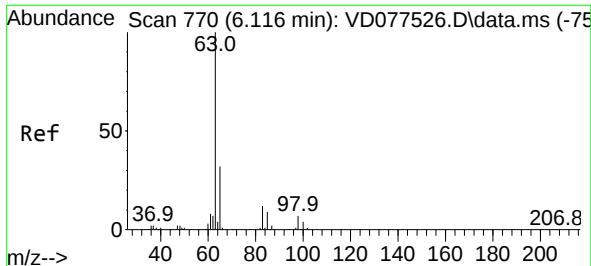


#18
Methyl tert-butyl Ether
Concen: 21.275 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33



Tgt Ion: 73 Resp: 279738
Ion Ratio Lower Upper
73 100
43 20.8 16.4 24.6
57 23.6 19.3 28.9





#19

1,1-Dichloroethane

Concen: 22.035 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

ClientSampleId :

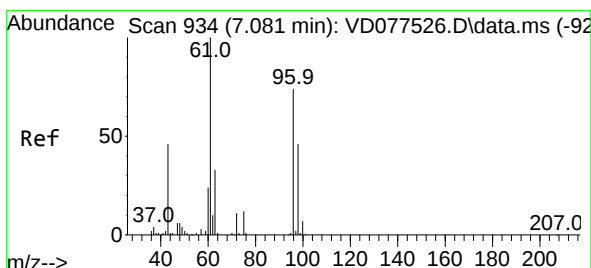
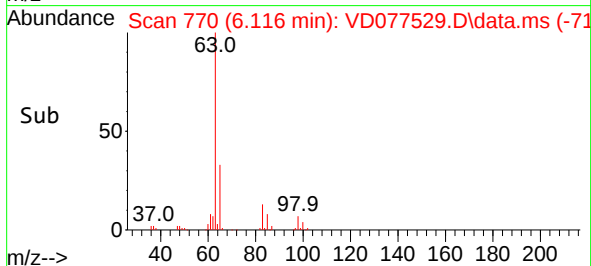
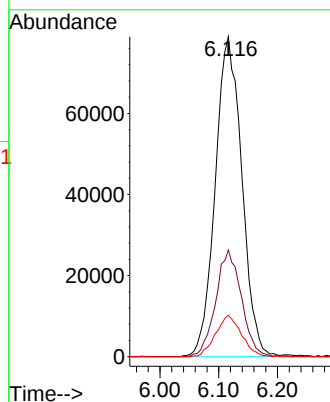
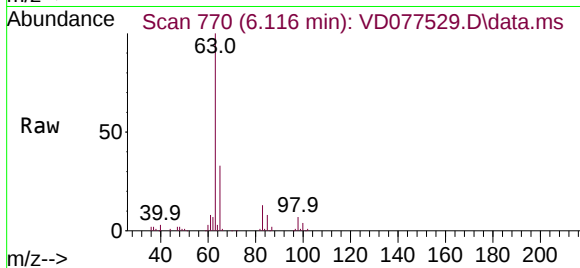
Tgt Ion: 63 Resp: 247667

Ion Ratio Lower Upper

63 100

65 33.4 22.6 42.0

83 13.0 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 22.047 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

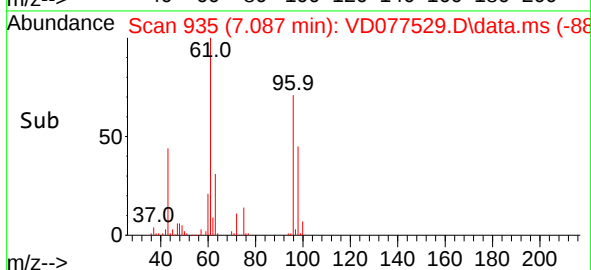
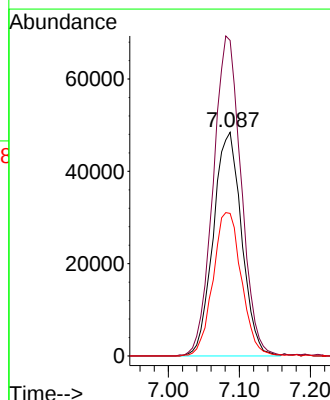
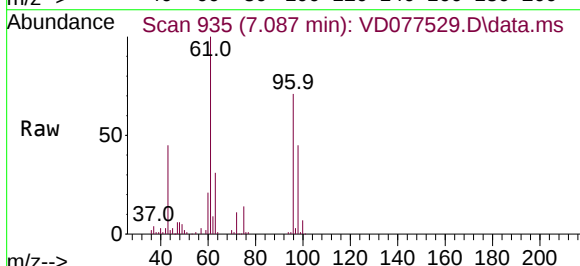
Tgt Ion: 96 Resp: 134184

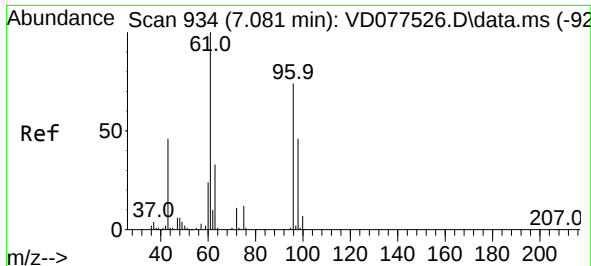
Ion Ratio Lower Upper

96 100

61 141.1 95.0 176.4

98 63.7 43.1 80.1

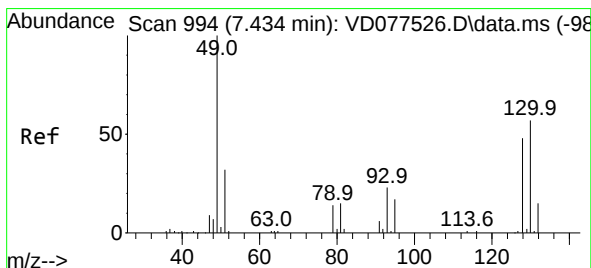
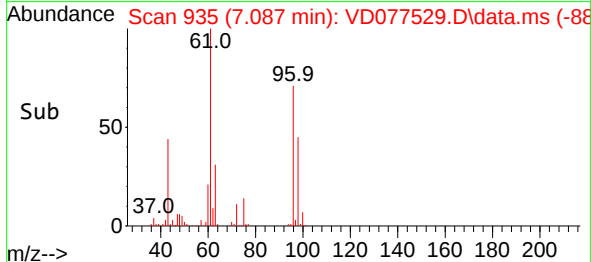
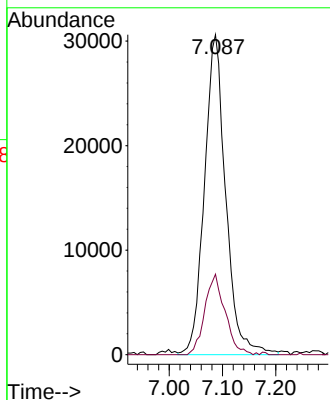
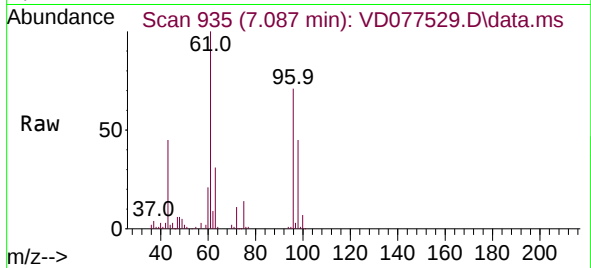




#22
2-Butanone
Concen: 40.735 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

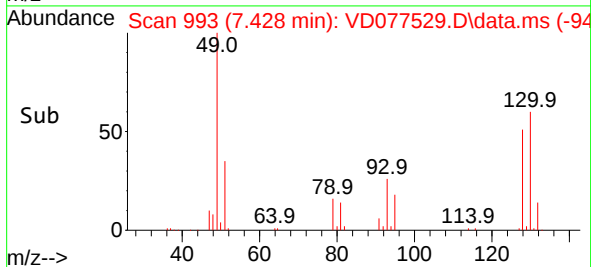
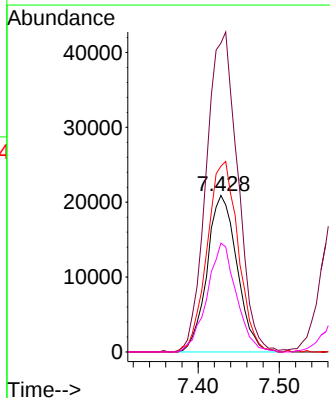
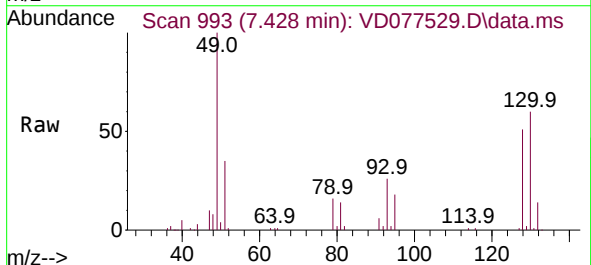
Instrument :
MSVOA_D
ClientSampleId :

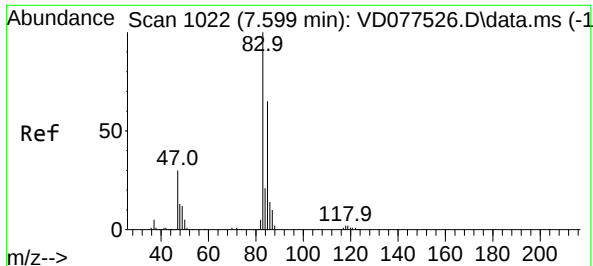
Tgt Ion: 43 Resp: 84976
Ion Ratio Lower Upper
43 100
72 23.9 12.8 38.4



#23
Bromochloromethane
Concen: 21.981 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion:128 Resp: 53755
Ion Ratio Lower Upper
128 100
49 197.2 146.7 272.5
130 118.7 83.2 154.6
51 69.5 53.3 79.9





#25

Chloroform

Concen: 22.222 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

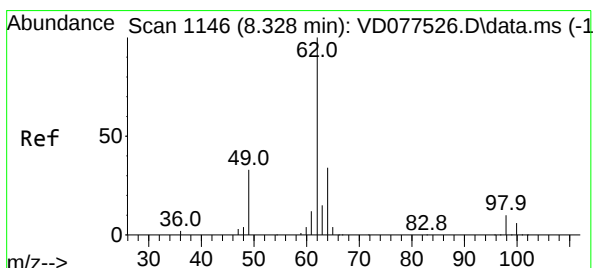
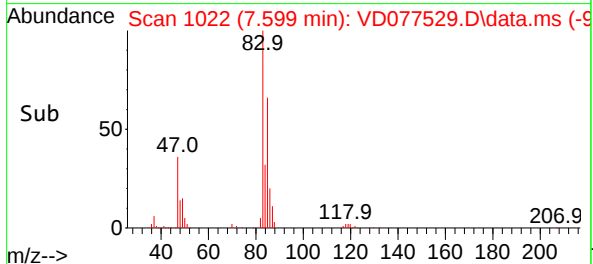
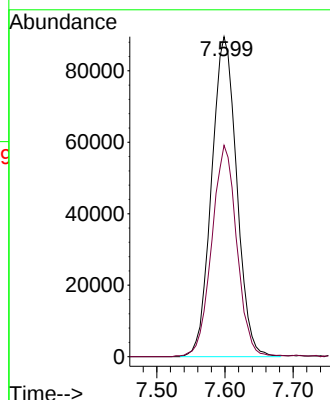
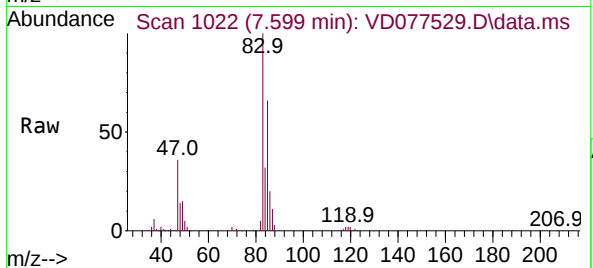
ClientSampleId :

Tgt Ion: 83 Resp: 229448

Ion Ratio Lower Upper

83 100

85 66.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 22.012 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077529.D

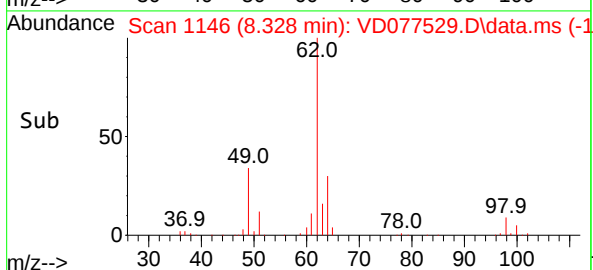
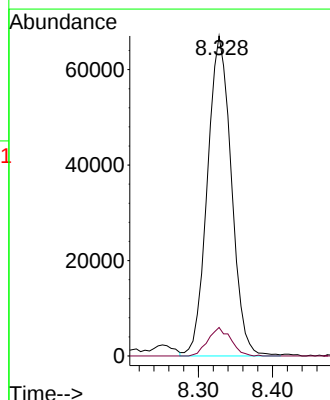
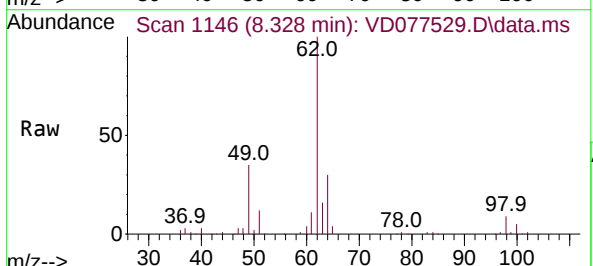
Acq: 09 Nov 2023 11:33

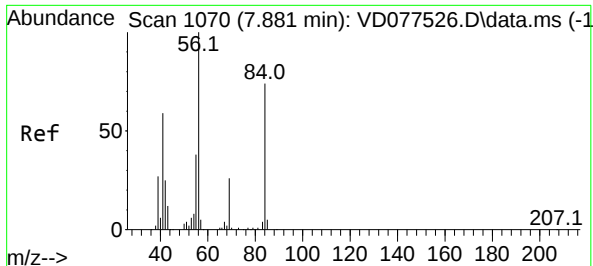
Tgt Ion: 62 Resp: 150665

Ion Ratio Lower Upper

62 100

98 8.9 8.0 12.0





#29

Cyclohexane

Concen: 21.262 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

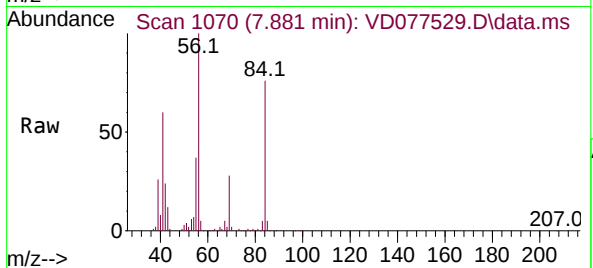
Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

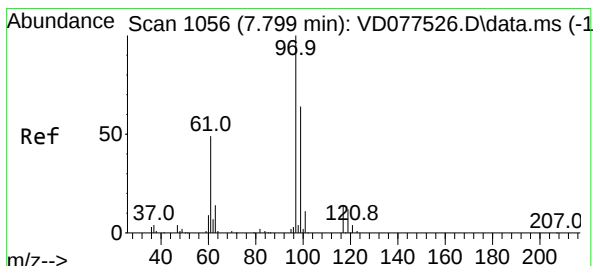
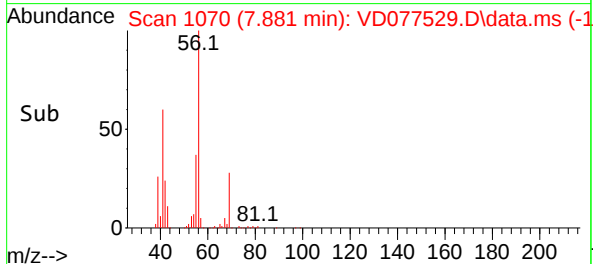
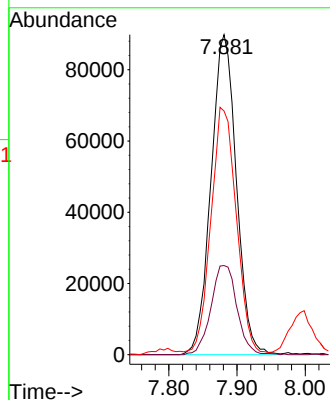
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	232796
Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.6	33.8
84	77.4	63.3	94.9



#30

1,1,1-Trichloroethane

Concen: 21.966 ug/L

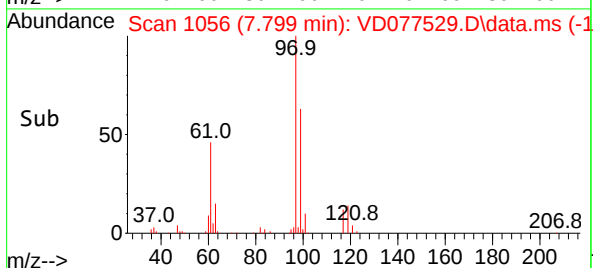
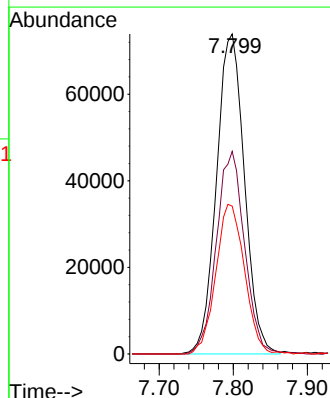
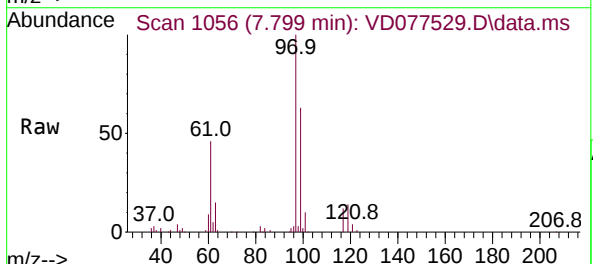
RT: 7.799 min Scan# 1056

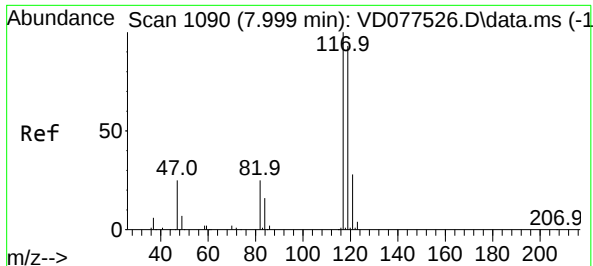
Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Tgt Ion:	97	Resp:	193920
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	47.7	38.1	57.1

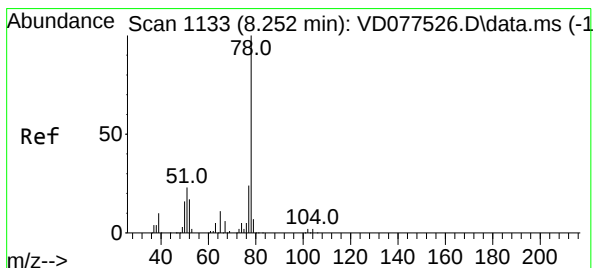
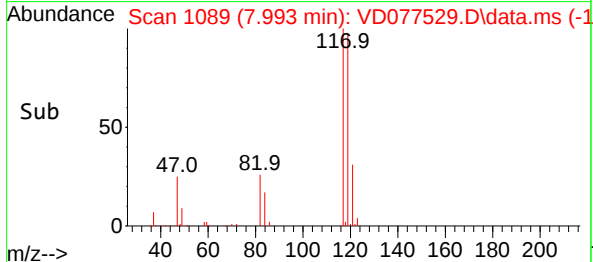
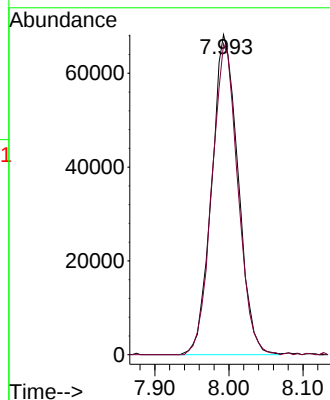
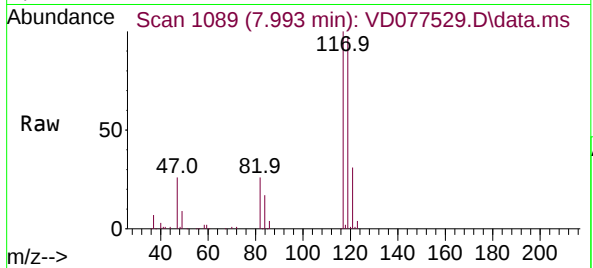




#31
Carbon tetrachloride
Concen: 22.208 ug/L
RT: 7.993 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

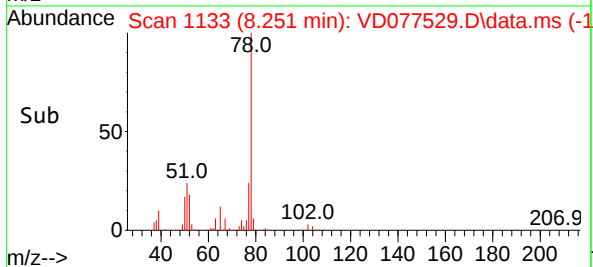
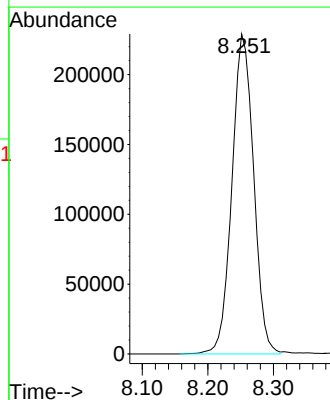
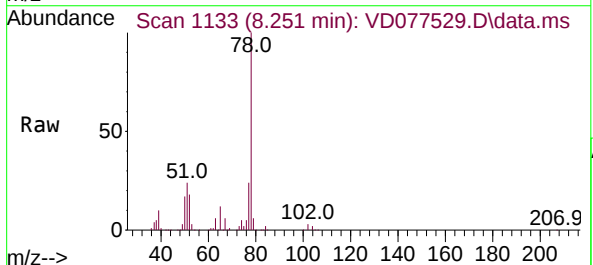
Instrument :
MSVOA_D
ClientSampleId :

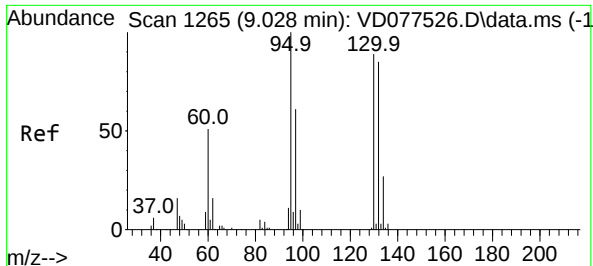
Tgt Ion:117 Resp: 168490
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0



#33
Benzene
Concen: 22.547 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

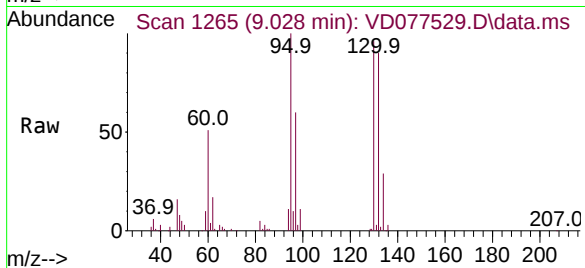
Tgt Ion: 78 Resp: 527271



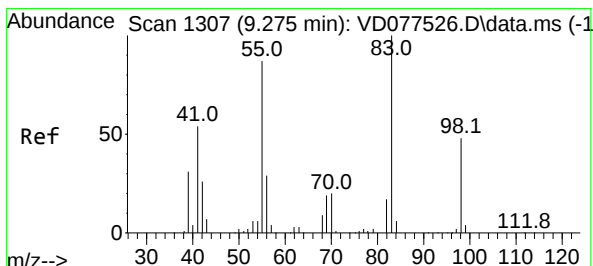
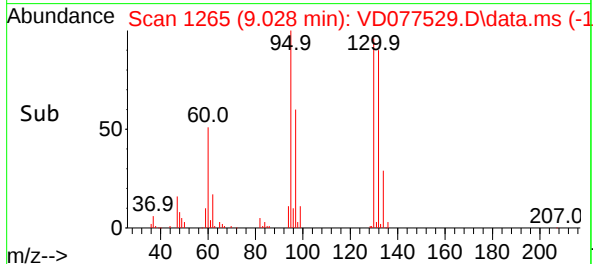
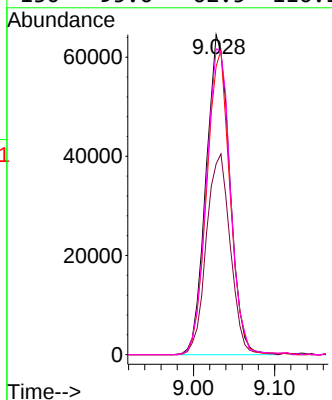


#34
Trichloroethene
Concen: 22.588 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Instrument :
MSVOA_D
ClientSampleId :

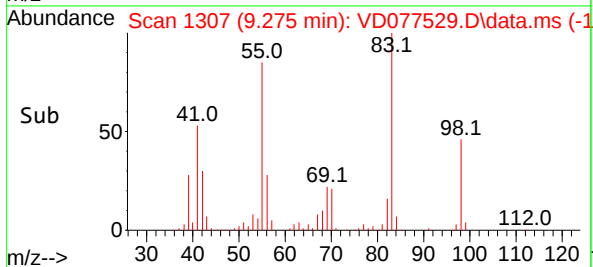
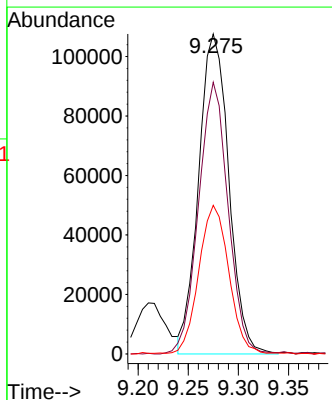
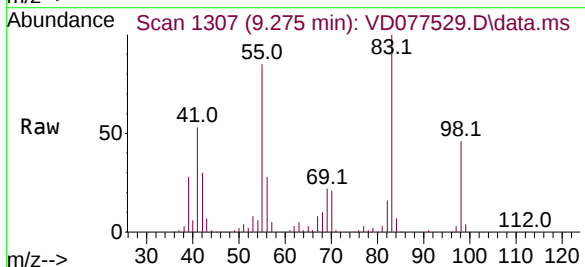


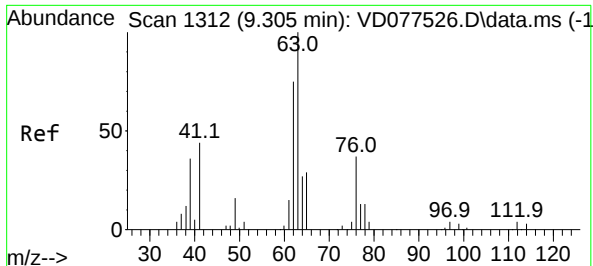
Tgt Ion:	95	Resp:	130888
Ion	Ratio	Lower	Upper
95	100		
97	59.6	42.4	78.6
132	90.0	59.4	110.2
130	95.6	62.5	116.1



#35
Methylcyclohexane
Concen: 21.568 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion:	83	Resp:	225529
Ion	Ratio	Lower	Upper
83	100		
55	82.9	66.5	99.7
98	46.1	37.4	56.2





#37

1,2-Dichloropropane

Concen: 22.141 ug/L

RT: 9.310 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

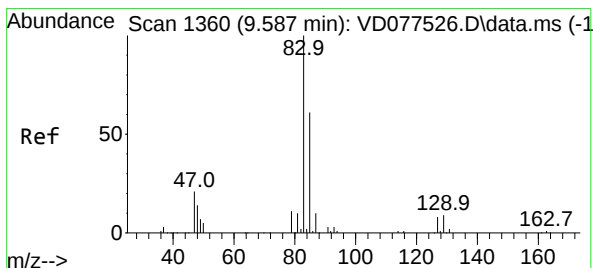
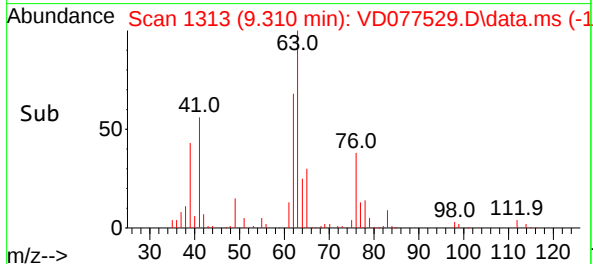
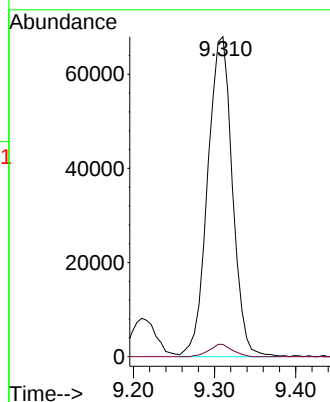
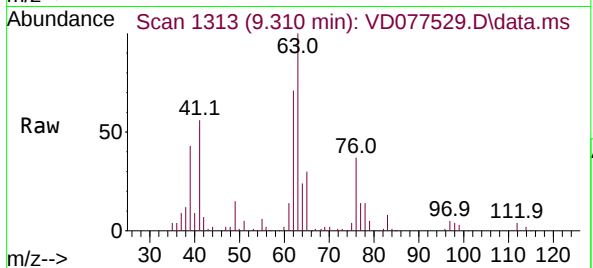
ClientSampleId :

Tgt Ion: 63 Resp: 143939

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 22.100 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

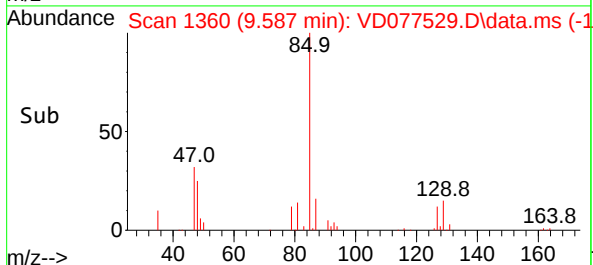
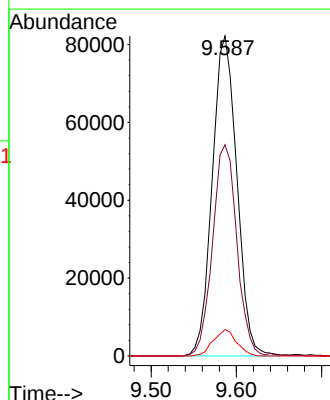
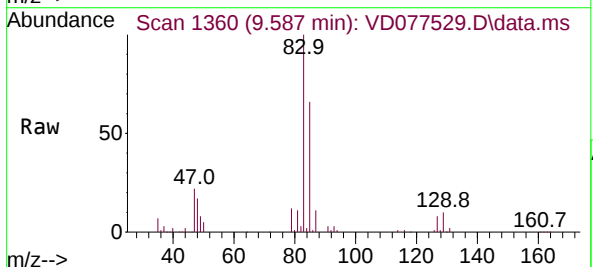
Tgt Ion: 83 Resp: 164798

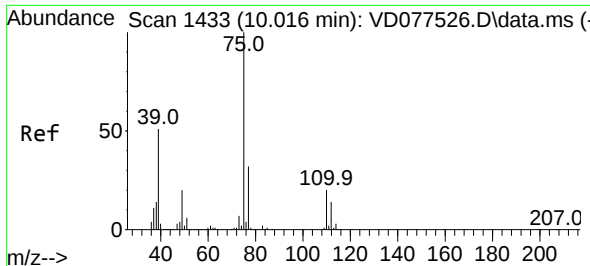
Ion Ratio Lower Upper

83 100

85 66.0 42.4 78.8

127 8.2 6.4 9.6

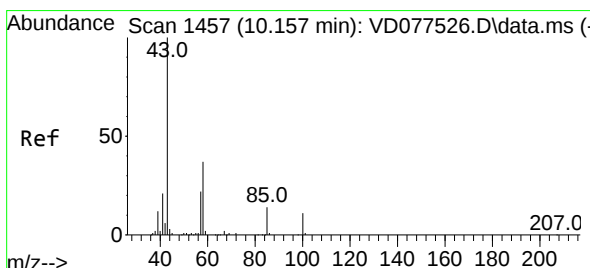
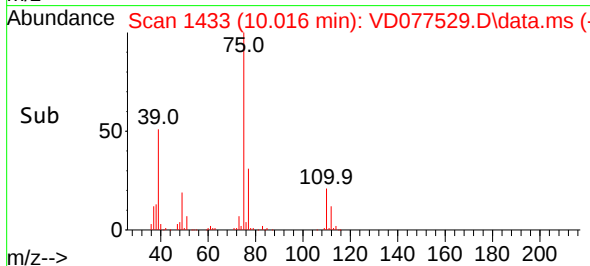
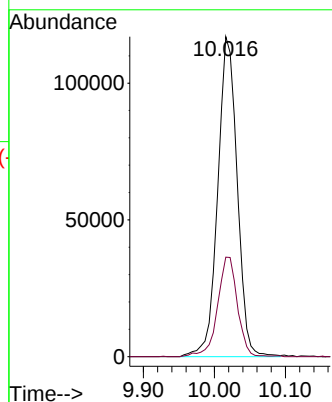
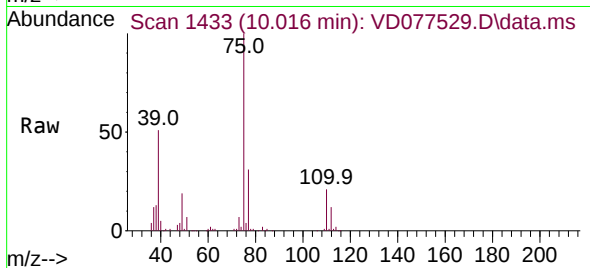




#39
cis-1,3-Dichloropropene
Concen: 22.236 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

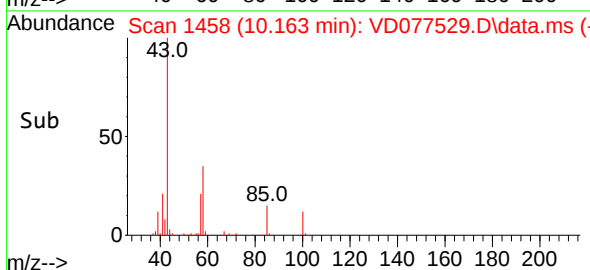
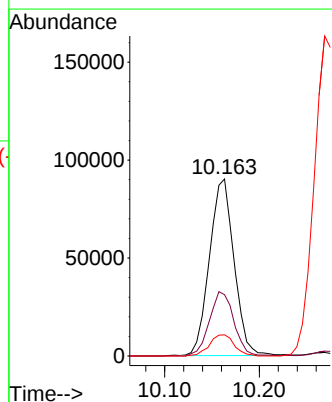
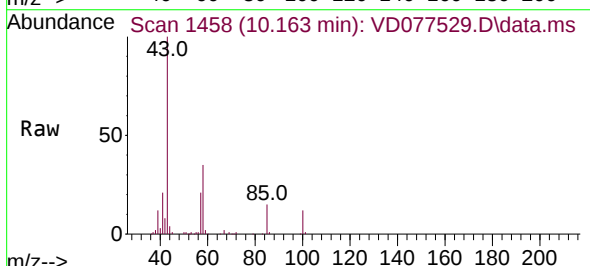
Instrument :
MSVOA_D
ClientSampleId :

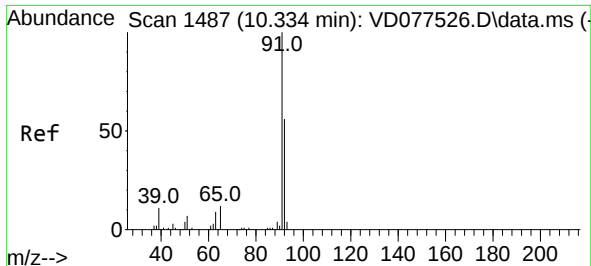
Tgt Ion: 75 Resp: 222133
Ion Ratio Lower Upper
75 100
77 31.1 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 41.147 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion: 43 Resp: 163011
Ion Ratio Lower Upper
43 100
58 36.2 29.8 44.8
100 12.1 9.5 14.3

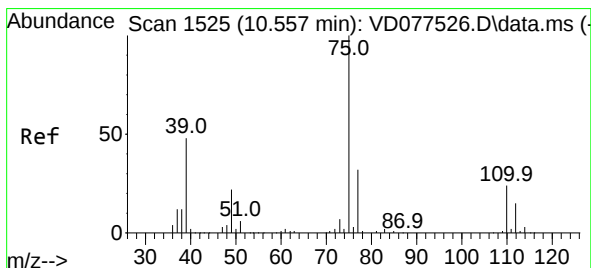
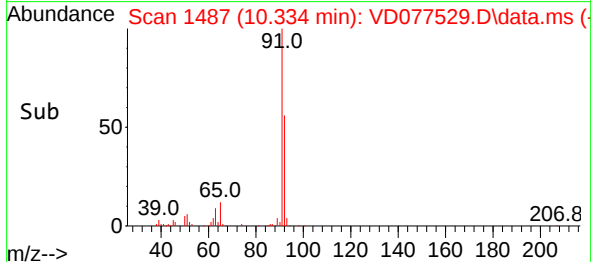
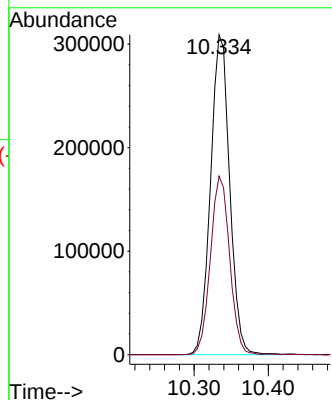
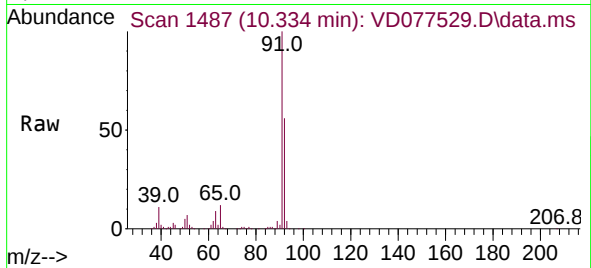




#42
Toluene
Concen: 22.571 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

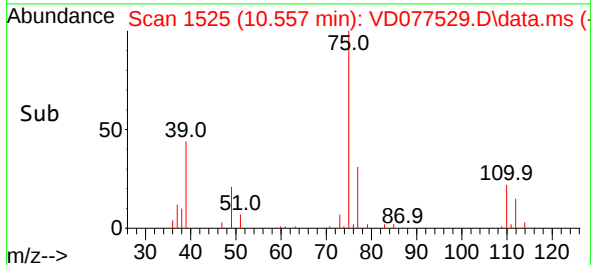
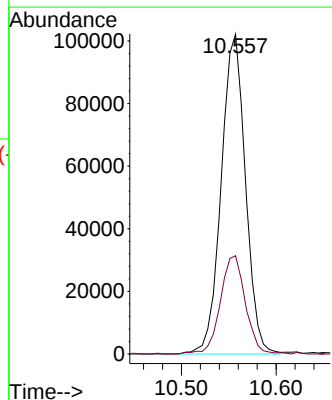
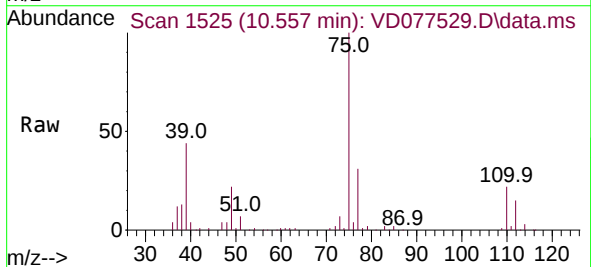
Instrument :
MSVOA_D
ClientSampleId :

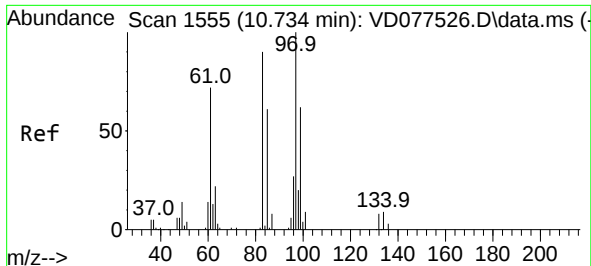
Tgt Ion: 91 Resp: 554178
Ion Ratio Lower Upper
91 100
92 55.8 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 21.991 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion: 75 Resp: 181528
Ion Ratio Lower Upper
75 100
77 30.7 22.3 41.5

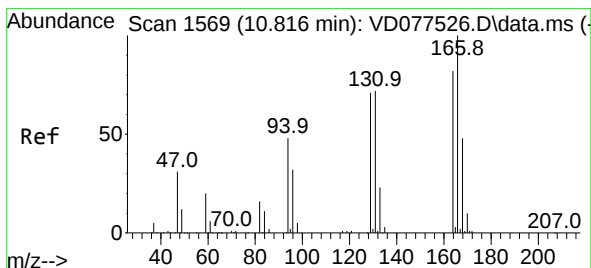
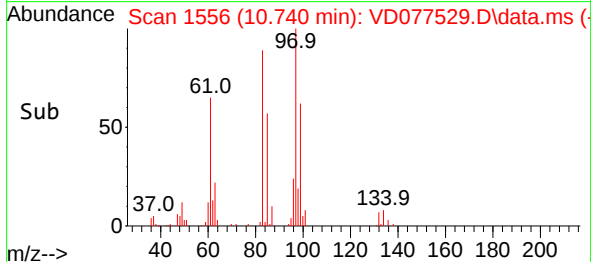
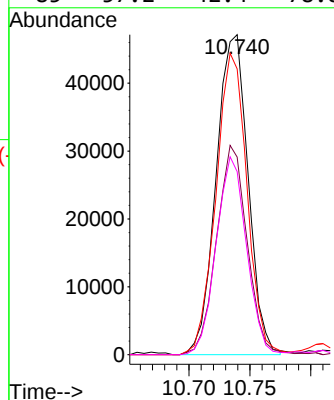
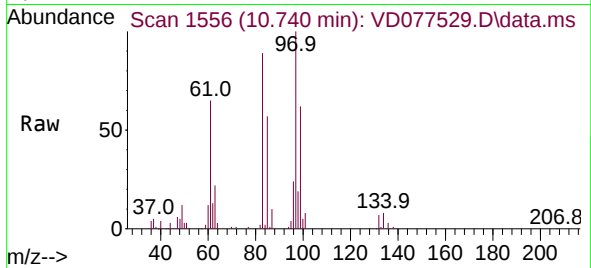




#45
1,1,2-Trichloroethane
Concen: 21.629 ug/L
RT: 10.740 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

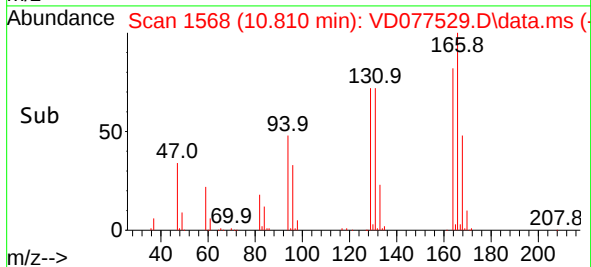
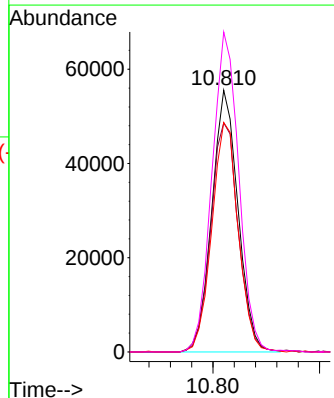
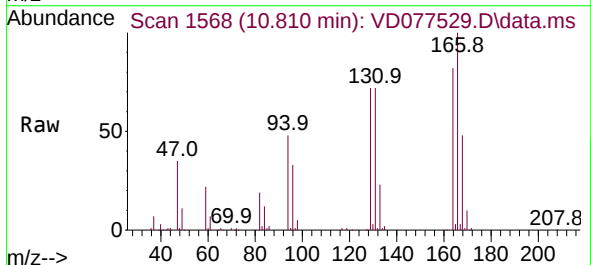
Instrument :
MSVOA_D
ClientSampleId :

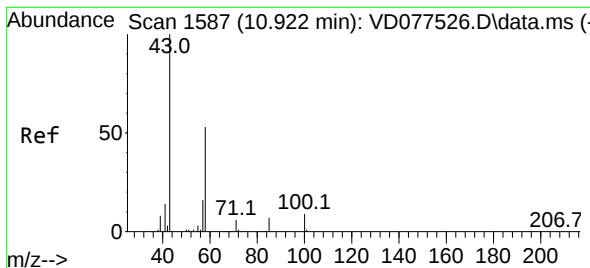
Tgt Ion: 97	Resp: 85950
Ion Ratio	Lower Upper
97 100	
99 61.8	43.5 80.7
83 89.3	63.1 117.3
85 57.2	42.4 78.8



#46
Tetrachloroethene
Concen: 22.294 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion: 164	Resp: 95054
Ion Ratio	Lower Upper
164 100	
129 87.5	60.6 112.6
131 87.6	61.6 114.4
166 122.2	85.4 158.6





#48

2-Hexanone

Concen: 41.295 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

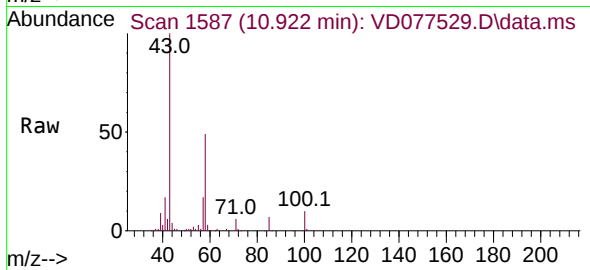
Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 129674

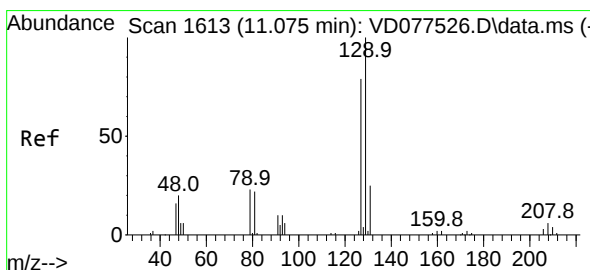
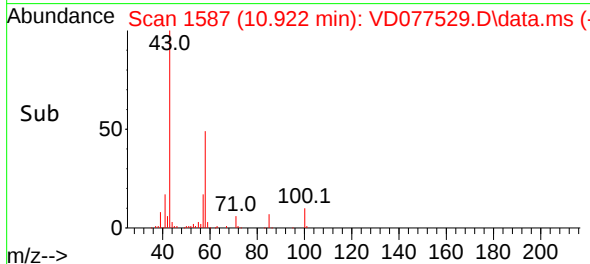
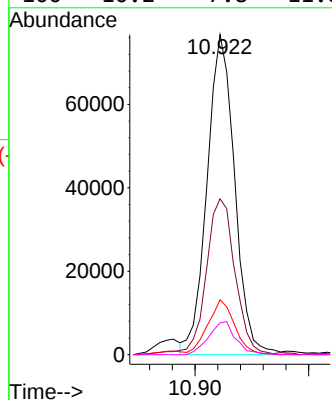
Ion Ratio Lower Upper

43 100

58 51.1 40.8 61.2

57 16.7 13.7 20.5

100 10.2 7.8 11.8



#49

Dibromochloromethane

Concen: 21.551 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD077529.D

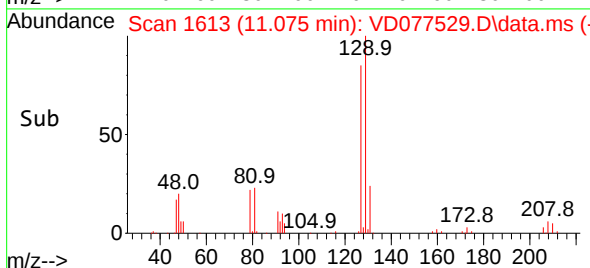
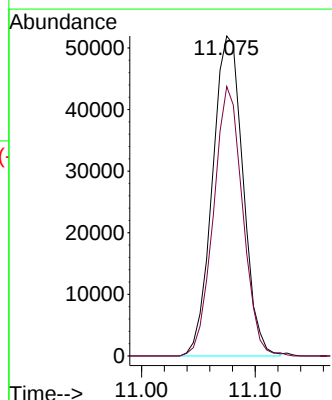
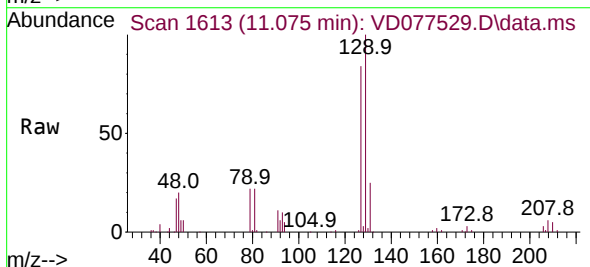
Acq: 09 Nov 2023 11:33

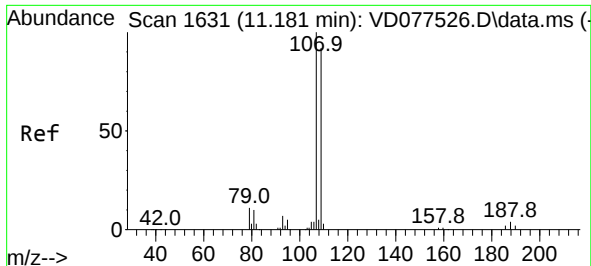
Tgt Ion: 129 Resp: 97280

Ion Ratio Lower Upper

129 100

127 84.2 54.9 102.1

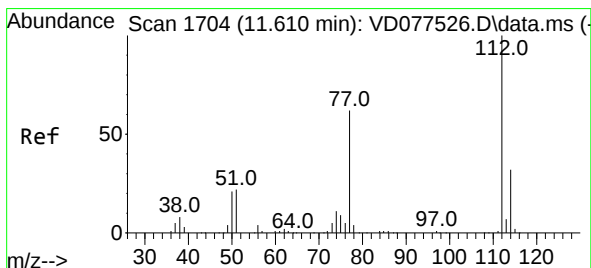
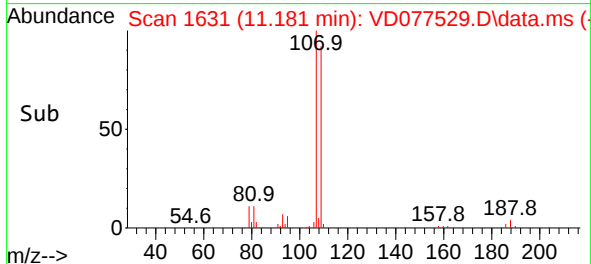
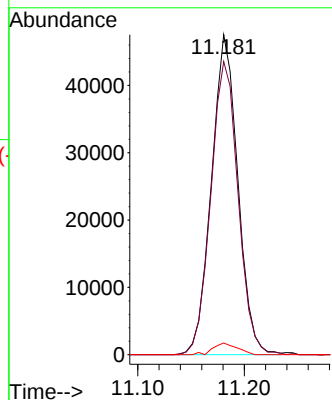
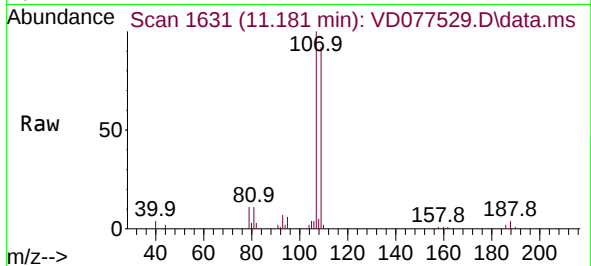




#50
1,2-Dibromoethane
Concen: 21.495 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

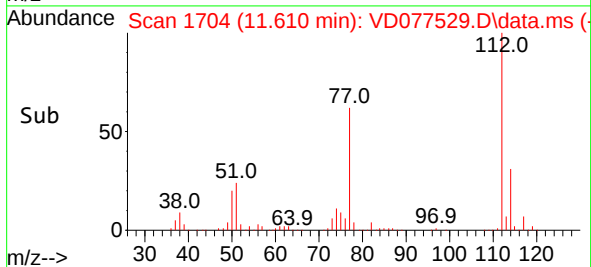
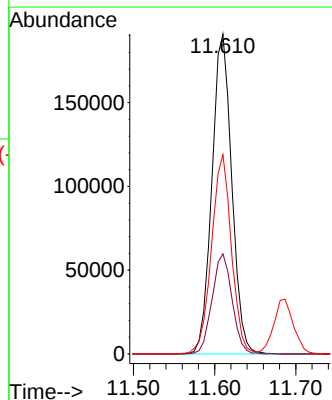
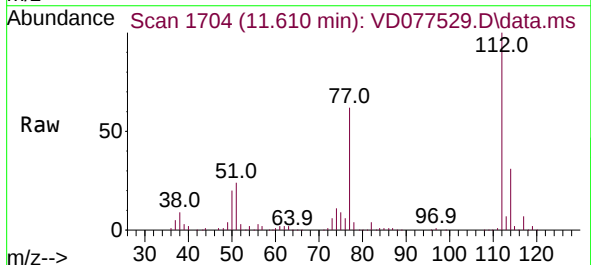
Instrument :
MSVOA_D
ClientSampleId :

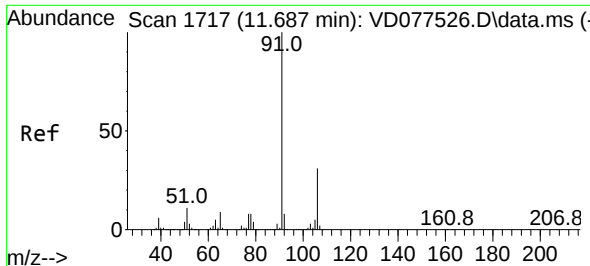
Tgt Ion:107 Resp: 81686
Ion Ratio Lower Upper
107 100
109 91.6 64.8 120.3
188 3.6 3.2 4.8



#51
Chlorobenzene
Concen: 22.551 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion:112 Resp: 324377
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 62.2 49.6 74.4

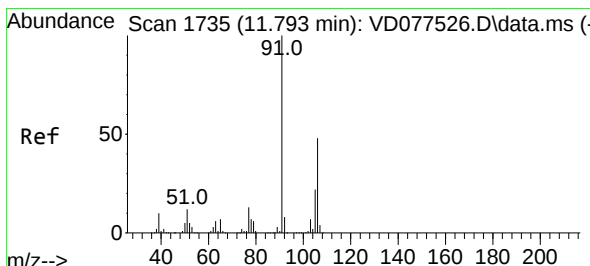
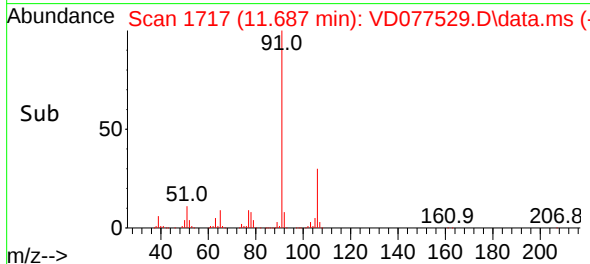
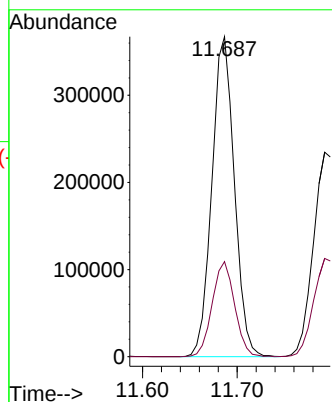
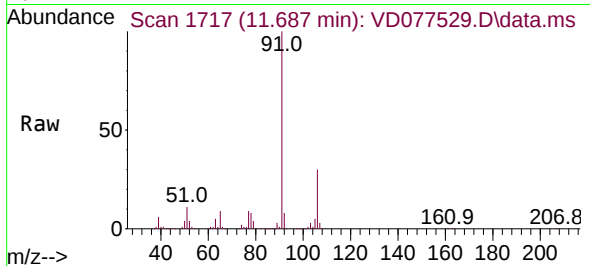




#52
Ethylbenzene
Concen: 22.435 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

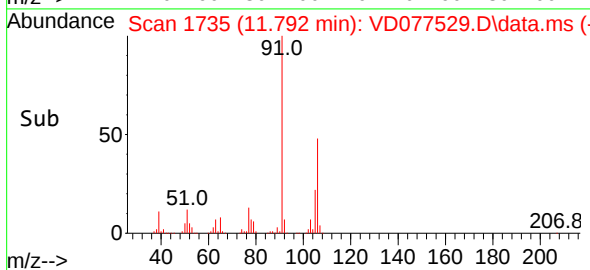
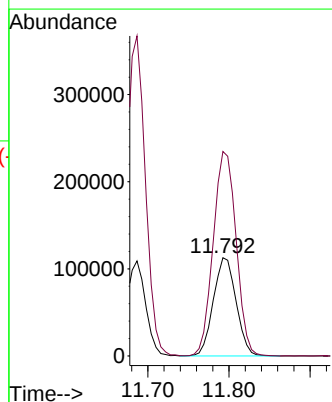
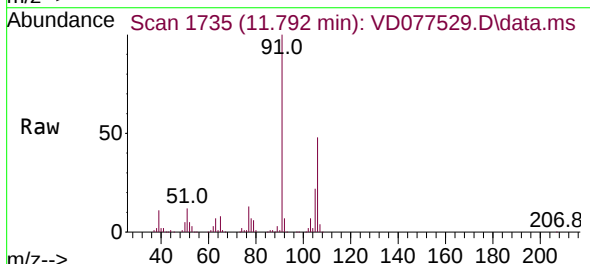
Instrument :
MSVOA_D
ClientSampleId :

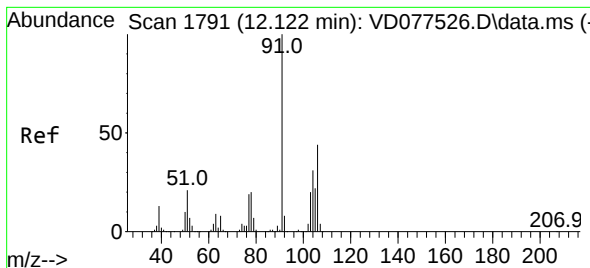
Tgt Ion: 91 Resp: 606097
Ion Ratio Lower Upper
91 100
106 29.7 22.0 40.8



#53
m,p-Xylene
Concen: 22.321 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion:106 Resp: 219429
Ion Ratio Lower Upper
106 100
91 207.9 146.7 272.4





#54

o-Xylene

Concen: 22.606 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

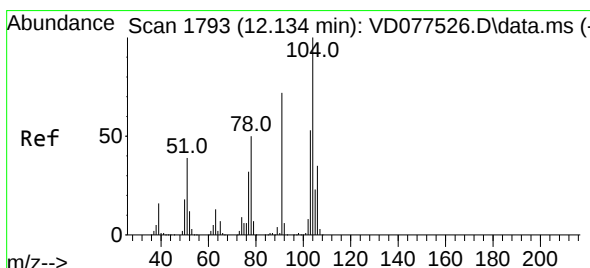
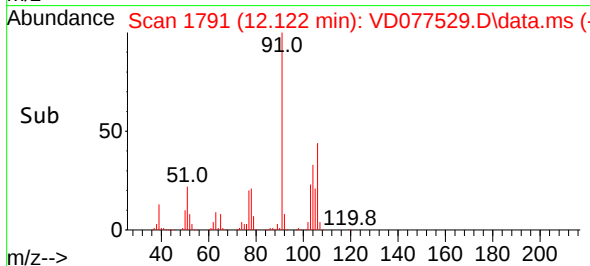
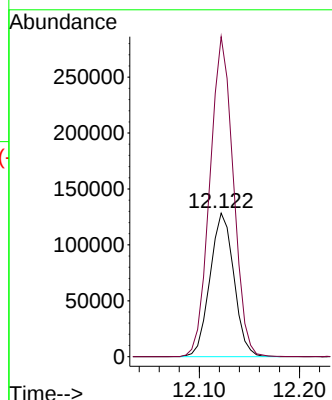
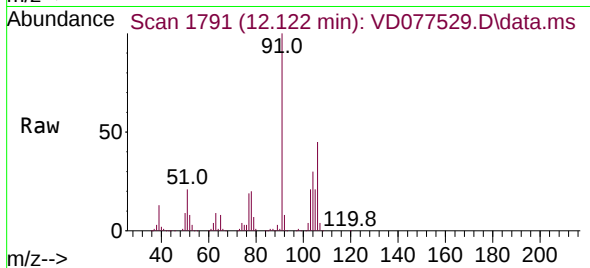
ClientSampleId :

Tgt Ion:106 Resp: 212843

Ion Ratio Lower Upper

106 100

91 222.9 158.5 294.4



#55

Styrene

Concen: 22.482 ug/L

RT: 12.139 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VD077529.D

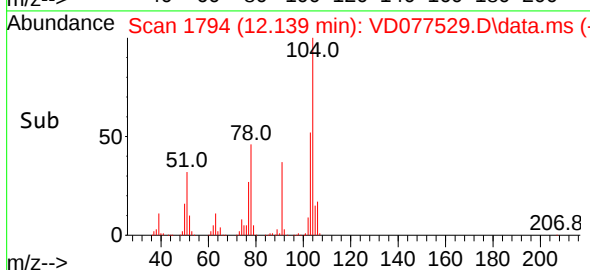
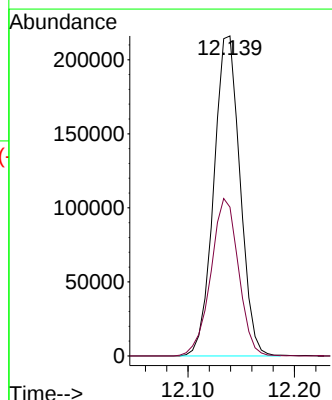
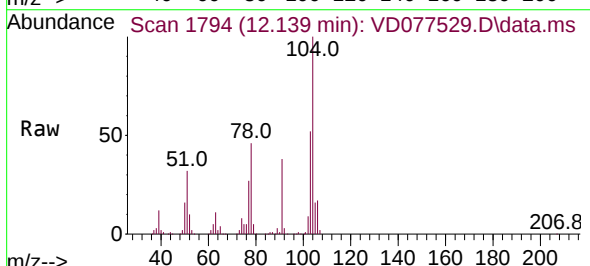
Acq: 09 Nov 2023 11:33

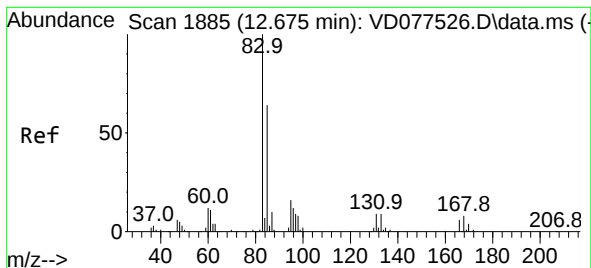
Tgt Ion:104 Resp: 369587

Ion Ratio Lower Upper

104 100

78 46.5 34.9 64.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.461 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

ClientSampleId :

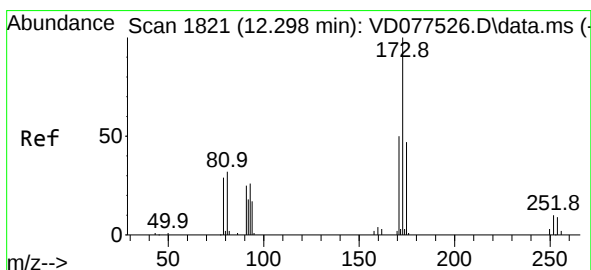
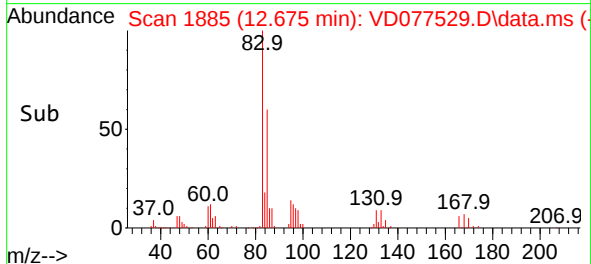
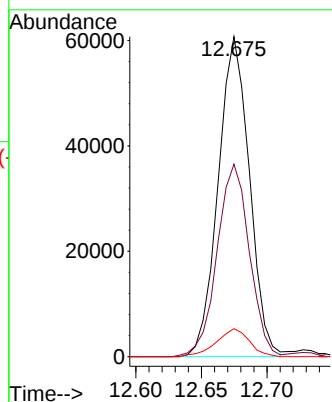
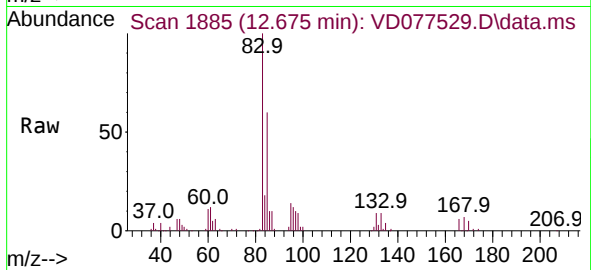
Tgt Ion: 83 Resp: 100466

Ion Ratio Lower Upper

83 100

85 60.1 44.9 83.3

131 8.8 7.2 10.8



#59

Bromoform

Concen: 21.242 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

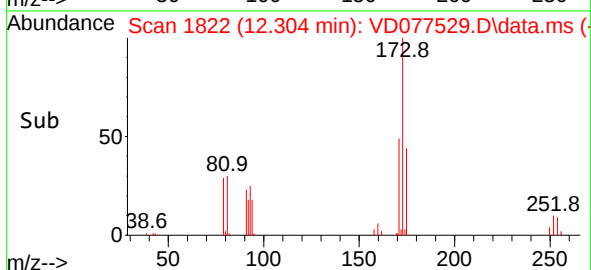
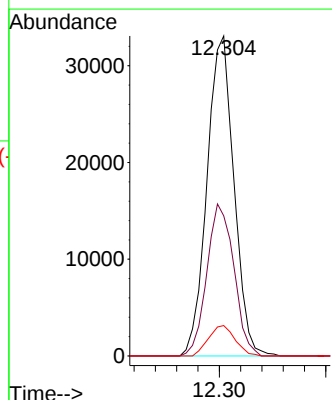
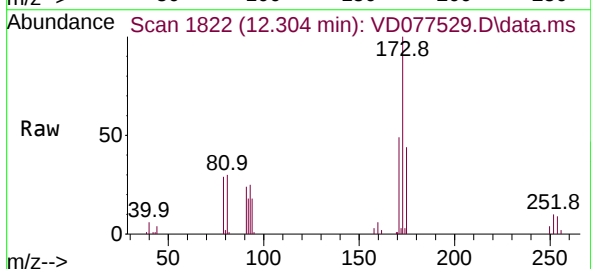
Tgt Ion:173 Resp: 58160

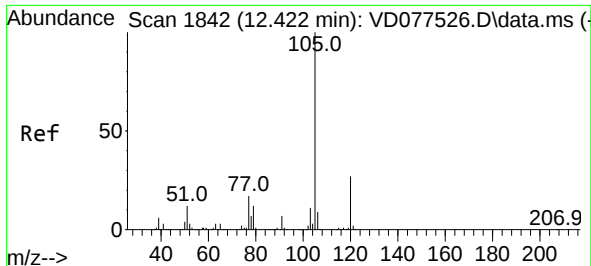
Ion Ratio Lower Upper

173 100

175 47.6 38.2 57.2

254 9.4 7.1 10.7

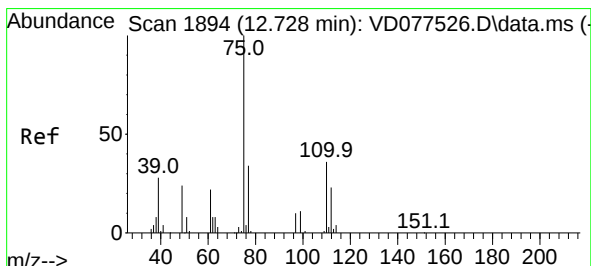
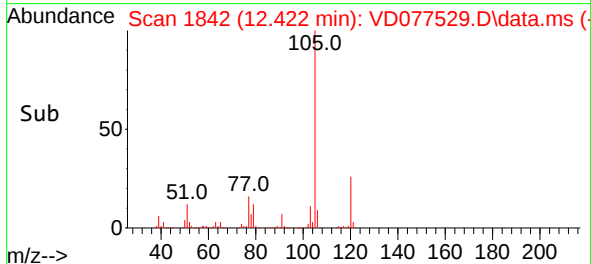
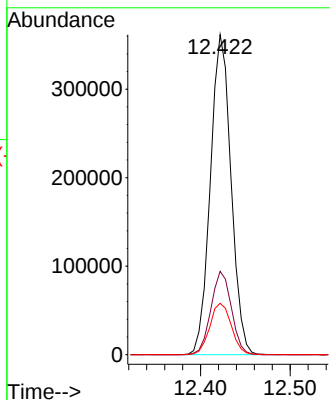
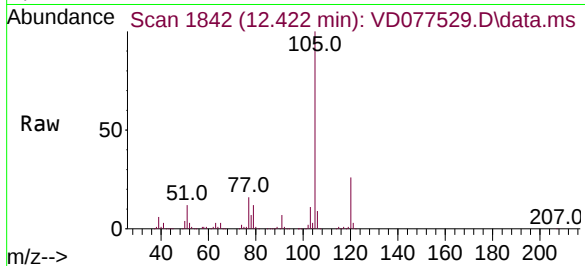




#60
Isopropylbenzene
Concen: 22.262 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

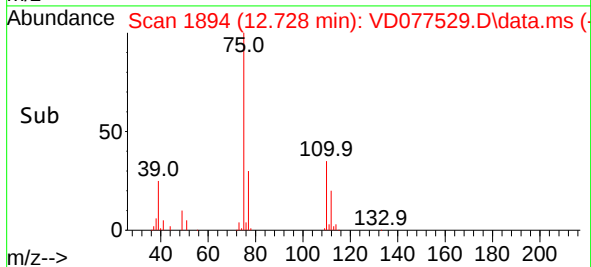
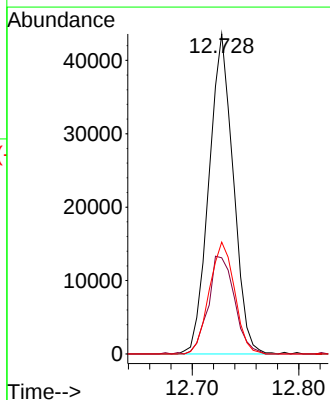
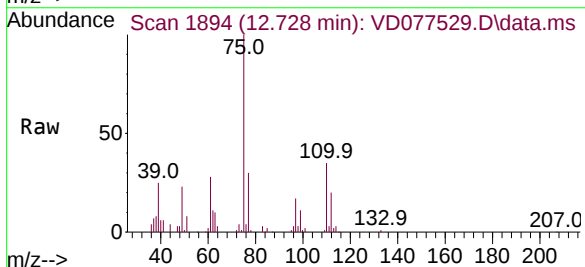
Instrument :
MSVOA_D
ClientSampleId :

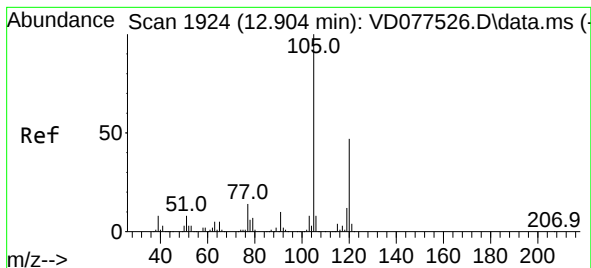
Tgt Ion:105 Resp: 578282
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.4
77 16.7 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 20.206 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

Tgt Ion: 75 Resp: 69120
Ion Ratio Lower Upper
75 100
77 33.0 25.6 38.4
110 36.3 29.6 44.4





#62

1,3,5-Trimethylbenzene

Concen: 22.250 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

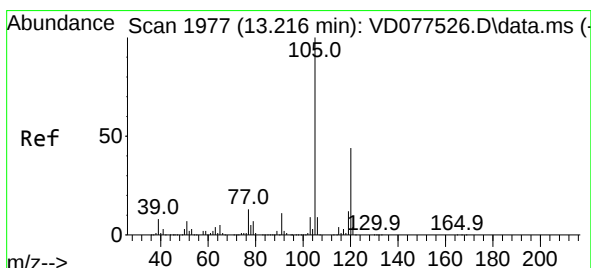
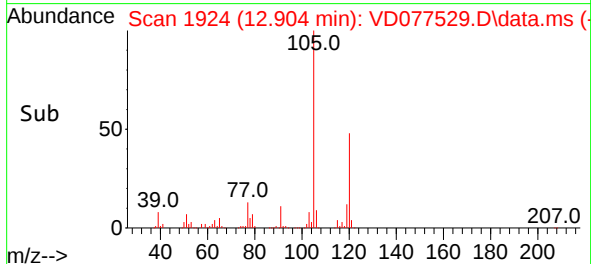
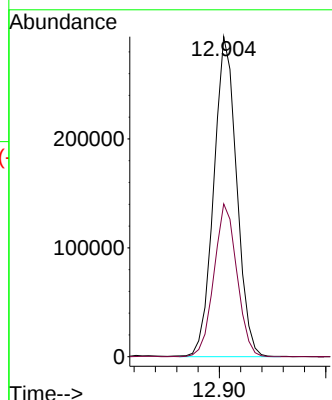
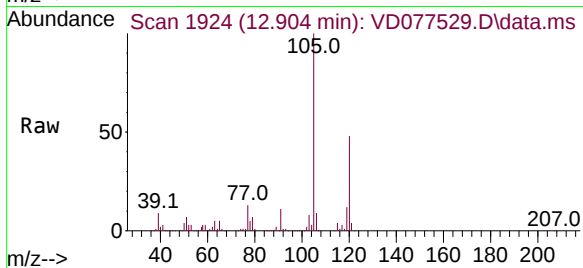
ClientSampleId :

Tgt Ion:105 Resp: 438653

Ion Ratio Lower Upper

105 100

120 47.8 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 22.447 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD077529.D

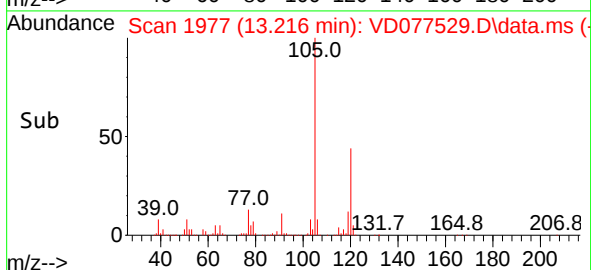
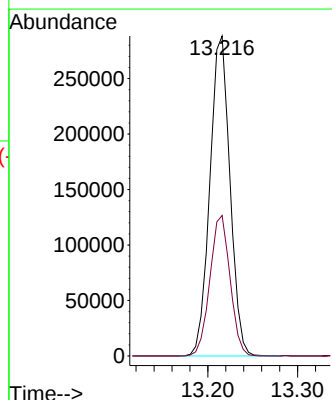
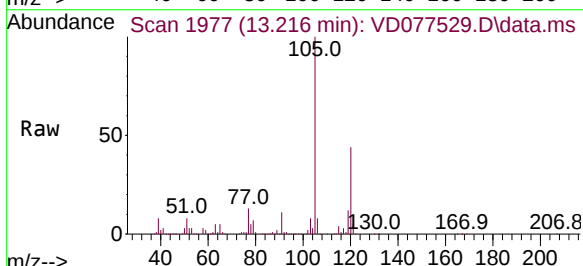
Acq: 09 Nov 2023 11:33

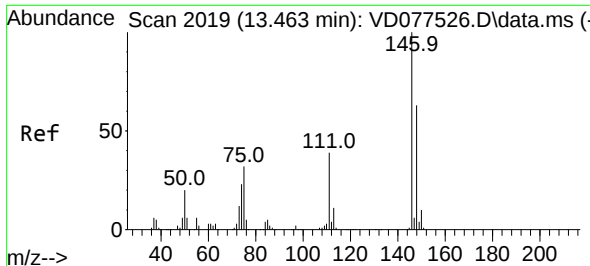
Tgt Ion:105 Resp: 448265

Ion Ratio Lower Upper

105 100

120 44.1 35.6 53.4

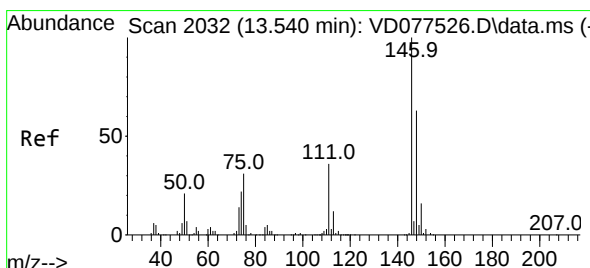
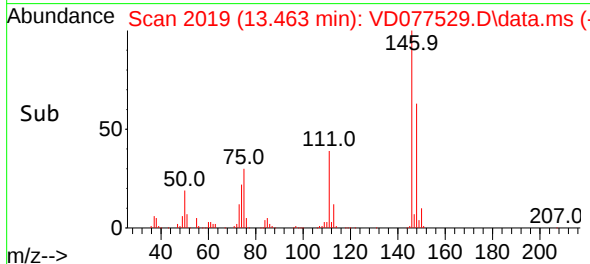
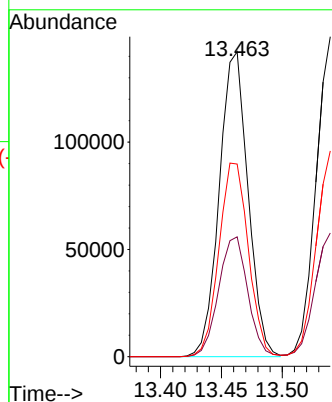
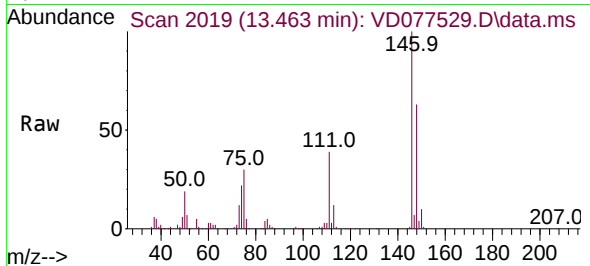




#64
1,3-Dichlorobenzene
Concen: 21.894 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

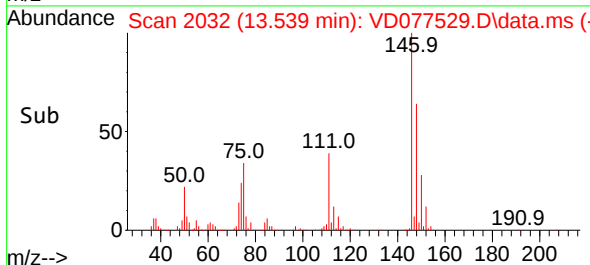
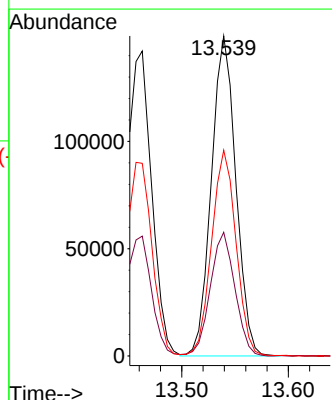
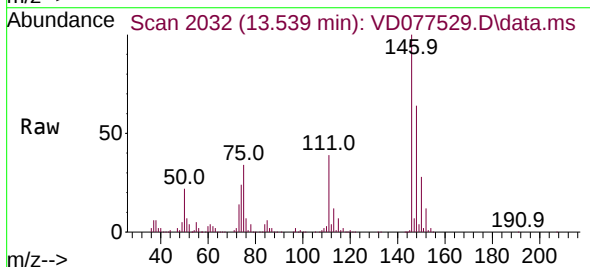
Instrument :
MSVOA_D
ClientSampleId :

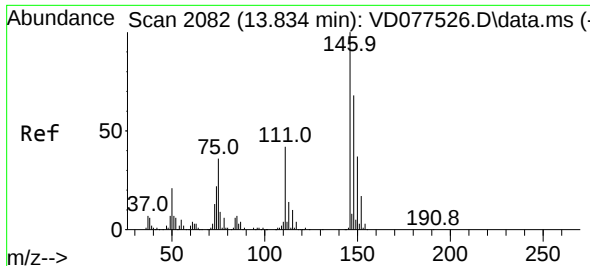
Tgt Ion:146 Resp: 233319
Ion Ratio Lower Upper
146 100
111 39.3 27.2 50.6
148 63.2 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 22.158 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

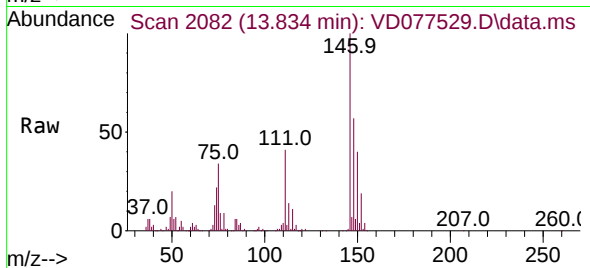
Tgt Ion:146 Resp: 238300
Ion Ratio Lower Upper
146 100
111 38.7 25.6 47.4
148 64.3 44.1 81.9



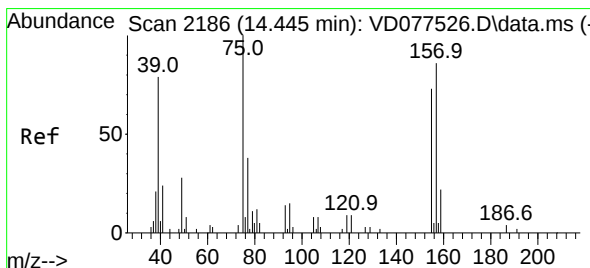
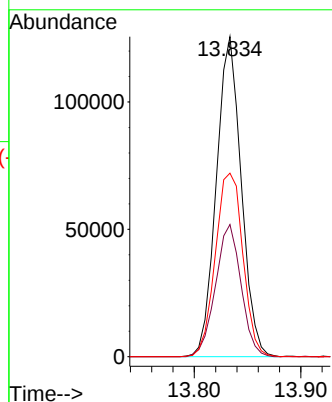
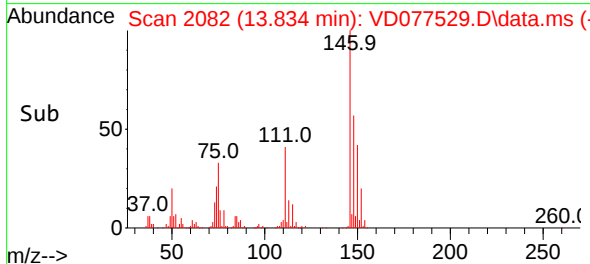


#67
1,2-Dichlorobenzene
Concen: 21.659 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33

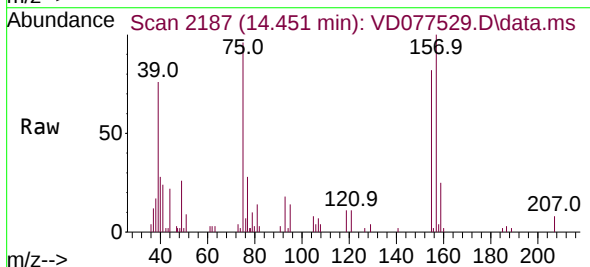
Instrument :
MSVOA_D
ClientSampleId :



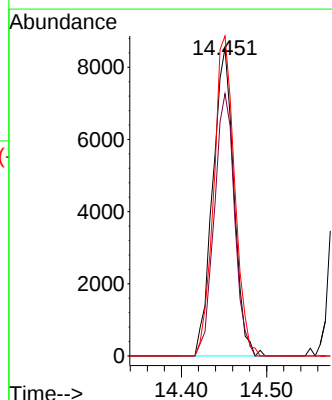
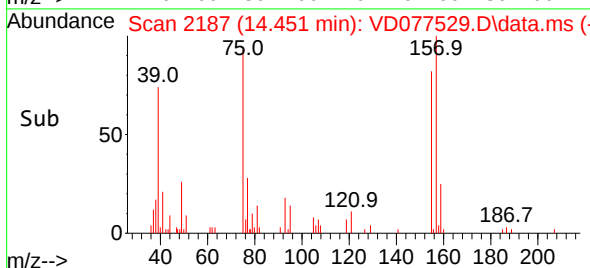
Tgt Ion:146 Resp: 204066
Ion Ratio Lower Upper
146 100
111 41.3 33.8 50.6
148 57.3 54.3 81.5

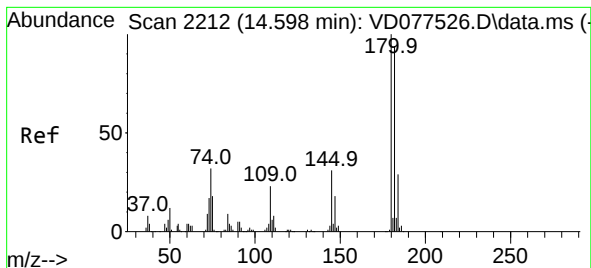


#68
1,2-Dibromo-3-chloropropane
Concen: 19.650 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD077529.D
Acq: 09 Nov 2023 11:33



Tgt Ion: 75 Resp: 14621
Ion Ratio Lower Upper
75 100
155 87.3 58.2 87.2#
157 103.9 68.7 103.1#





#69

1,3,5-Trichlorobenzene

Concen: 21.712 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. -0.000 min

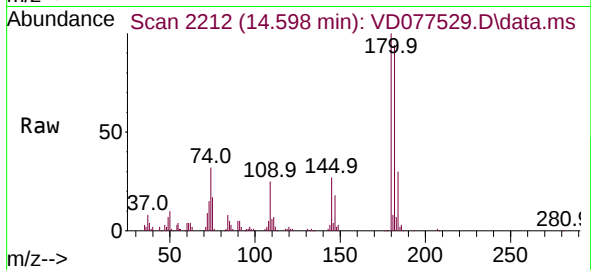
Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 157544

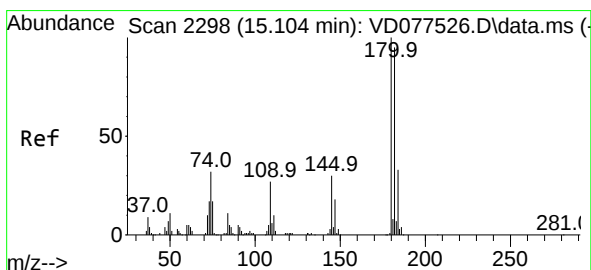
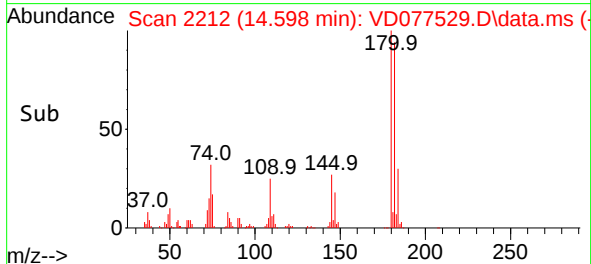
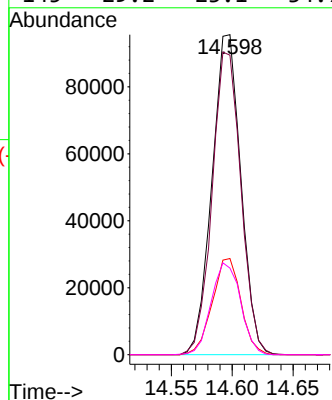
Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

184 29.9 24.0 36.0

145 29.2 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 21.601 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

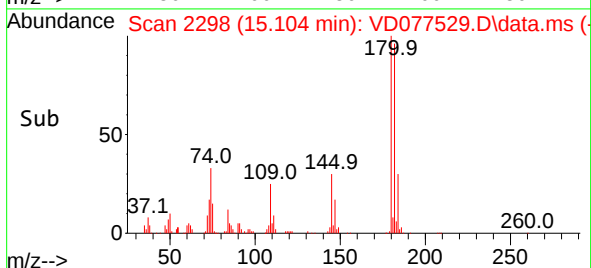
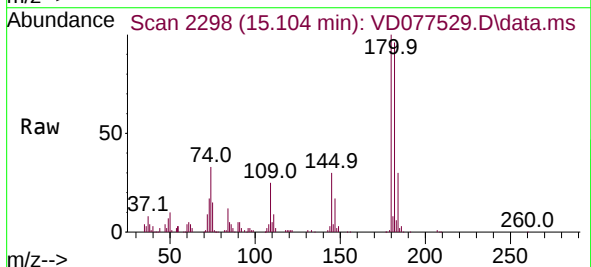
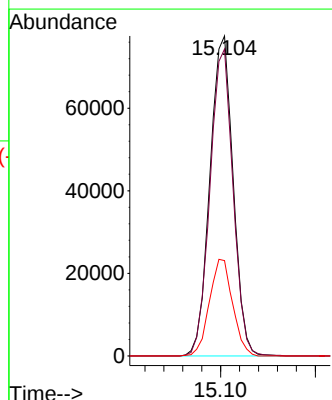
Tgt Ion:180 Resp: 132098

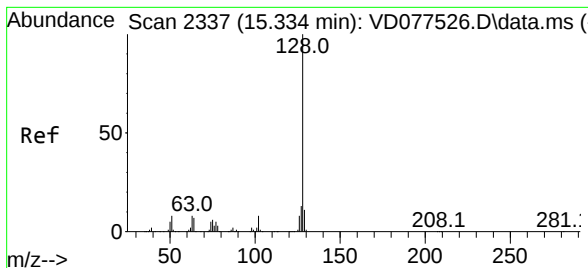
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 30.2 24.1 36.1





#71

Naphthalene

Concen: 21.018 ug/L

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Instrument :

MSVOA_D

ClientSampleId :

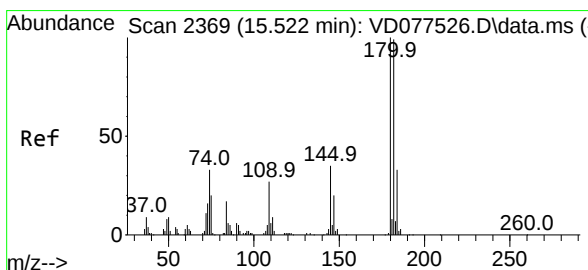
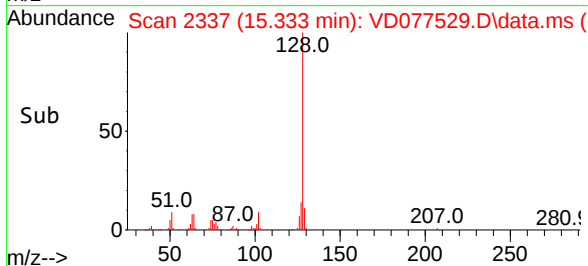
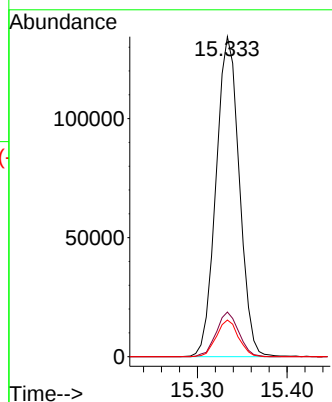
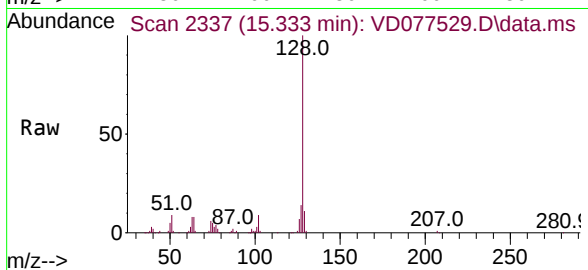
Tgt Ion:128 Resp: 242239

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 10.8 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 21.895 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD077529.D

Acq: 09 Nov 2023 11:33

Tgt Ion:180 Resp: 114170

Ion Ratio Lower Upper

180 100

182 93.8 76.8 115.2

145 30.5 26.0 39.0

