Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
Data File : VD072400.D
Acq On : 24 Mar 2022 11:30
Operator : VA/SY
Sample : VD0324SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 24 16:45:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	397843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	651146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	594797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217799	49.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.240%			
35) Dibromofluoromethane	7.908	113	220225	48.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.120%			
50) Toluene-d8	10.338	98	784223	46.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.620%			
62) 4-Bromofluorobenzene	12.626	95	303830	46.670	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	66821	18.159	ug/l	92
3) Chloromethane	2.209	50	63367	19.379	ug/l	98
4) Vinyl Chloride	2.350	62	63961	20.264	ug/l	99
5) Bromomethane	2.756	94	42022	20.445	ug/l	92
6) Chloroethane	2.914	64	44781	21.459	ug/l	89
7) Trichlorofluoromethane	3.273	101	139985	19.639	ug/l	98
8) Diethyl Ether	3.708	74	40346	20.494	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	95564	21.026	ug/l	98
10) Methyl Iodide	4.303	142	64369	17.331	ug/l	98
11) Tert butyl alcohol	5.226	59	31522	122.619	ug/l #	92
12) 1,1-Dichloroethene	4.073	96	69422	18.986	ug/l	97
13) Acrolein	3.926	56	19331	84.271	ug/l	99
14) Allyl chloride	4.714	41	133933	20.950	ug/l	95
15) Acrylonitrile	5.414	53	118068	118.861	ug/l	99
16) Acetone	4.155	43	107319	111.482	ug/l	95
17) Carbon Disulfide	4.408	76	102484	13.157	ug/l	98
18) Methyl Acetate	4.714	43	68206	28.912	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	230746	23.218	ug/l	99
20) Methylene Chloride	4.967	84	102749	17.372	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	77110	19.067	ug/l	98
22) Diisopropyl ether	6.367	45	350793	24.057	ug/l	91
23) Vinyl Acetate	6.302	43	812301	109.153	ug/l	97
24) 1,1-Dichloroethane	6.261	63	189404	22.024	ug/l	99
25) 2-Butanone	7.208	43	153167	119.334	ug/l	95
26) 2,2-Dichloropropane	7.202	77	161778	20.849	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	109861	21.277	ug/l	96
28) Bromochloromethane	7.544	49	67612	19.529	ug/l	93
29) Tetrahydrofuran	7.567	42	86939	115.193	ug/l	94
30) Chloroform	7.708	83	207678	22.668	ug/l	97
31) Cyclohexane	7.985	56	128646	18.572	ug/l #	90
32) 1,1,1-Trichloroethane	7.902	97	176165	21.650	ug/l	98
36) 1,1-Dichloropropene	8.108	75	122063	18.989	ug/l	97
37) Ethyl Acetate	7.285	43	62902	22.339	ug/l #	94
38) Carbon Tetrachloride	8.096	117	146862	20.099	ug/l	97
39) Methylcyclohexane	9.355	83	123952	17.136	ug/l	97
40) Benzene	8.349	78	369783	20.164	ug/l	99

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 24 16:45:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	39349	23.975	ug/l	#	87
42) 1,2-Dichloroethane	8.420	62	121620	21.862	ug/l		97
43) Isopropyl Acetate	8.443	43	131971	24.147	ug/l		99
44) Trichloroethene	9.108	130	102056	19.823	ug/l		96
45) 1,2-Dichloropropane	9.379	63	111594	22.188	ug/l		99
46) Dibromomethane	9.473	93	54863	22.176	ug/l		96
47) Bromodichloromethane	9.655	83	161438	22.384	ug/l		99
48) Methyl methacrylate	9.449	41	61651	23.624	ug/l		91
49) 1,4-Dioxane	9.455	88	13874	467.645	ug/l		96
51) 4-Methyl-2-Pentanone	10.220	43	352203	122.696	ug/l		95
52) Toluene	10.396	92	246412	20.420	ug/l		96
53) t-1,3-Dichloropropene	10.614	75	141683	21.501	ug/l		97
54) cis-1,3-Dichloropropene	10.085	75	166407	21.845	ug/l		96
55) 1,1,2-Trichloroethane	10.790	97	88790	23.559	ug/l		97
56) Ethyl methacrylate	10.655	69	101567	23.008	ug/l		94
57) 1,3-Dichloropropane	10.943	76	143509	22.688	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	185510	93.464	ug/l		99
59) 2-Hexanone	10.979	43	242930	122.532	ug/l		97
60) Dibromochloromethane	11.132	129	108494	22.185	ug/l		100
61) 1,2-Dibromoethane	11.237	107	74484	21.871	ug/l		99
64) Tetrachloroethene	10.873	164	81035	19.336	ug/l		96
65) Chlorobenzene	11.667	112	279666	21.209	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.737	131	118335	22.694	ug/l		97
67) Ethyl Benzene	11.737	91	496883	21.098	ug/l		100
68) m/p-Xylenes	11.843	106	376368	42.086	ug/l		98
69) o-Xylene	12.173	106	182853	21.376	ug/l		97
70) Styrene	12.184	104	324827	21.746	ug/l		99
71) Bromoform	12.349	173	62851	22.564	ug/l	#	98
73) Isopropylbenzene	12.473	105	522025	22.004	ug/l		100
74) N-amyl acetate	12.279	43	130077	25.513	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.720	83	102488	24.154	ug/l		98
76) 1,2,3-Trichloropropane	12.773	75	82086m	24.856	ug/l		
77) Bromobenzene	12.749	156	119477	22.375	ug/l		95
78) n-propylbenzene	12.814	91	636372	22.083	ug/l		98
79) 2-Chlorotoluene	12.896	91	369852	22.196	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	451700	22.162	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.520	75	30050	22.577	ug/l		98
82) 4-Chlorotoluene	12.996	91	383567	22.231	ug/l		100
83) tert-Butylbenzene	13.214	119	388206	21.725	ug/l		99
84) 1,2,4-Trimethylbenzene	13.255	105	442999	22.059	ug/l		99
85) sec-Butylbenzene	13.390	105	593716	22.125	ug/l		99
86) p-Isopropyltoluene	13.502	119	488083	22.104	ug/l		100
87) 1,3-Dichlorobenzene	13.508	146	243393	21.749	ug/l		99
88) 1,4-Dichlorobenzene	13.584	146	244420	22.025	ug/l		99
89) n-Butylbenzene	13.831	91	472231	22.437	ug/l		99
90) Hexachloroethane	14.096	117	95386	22.040	ug/l		95
91) 1,2-Dichlorobenzene	13.878	146	221687	22.721	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15690	23.170	ug/l		91
93) 1,2,4-Trichlorobenzene	15.149	180	138021	21.366	ug/l		99
94) Hexachlorobutadiene	15.255	225	77896	20.730	ug/l		97
95) Naphthalene	15.384	128	243849	21.899	ug/l		99
96) 1,2,3-Trichlorobenzene	15.578	180	119970	21.456	ug/l		97

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0324SBS01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
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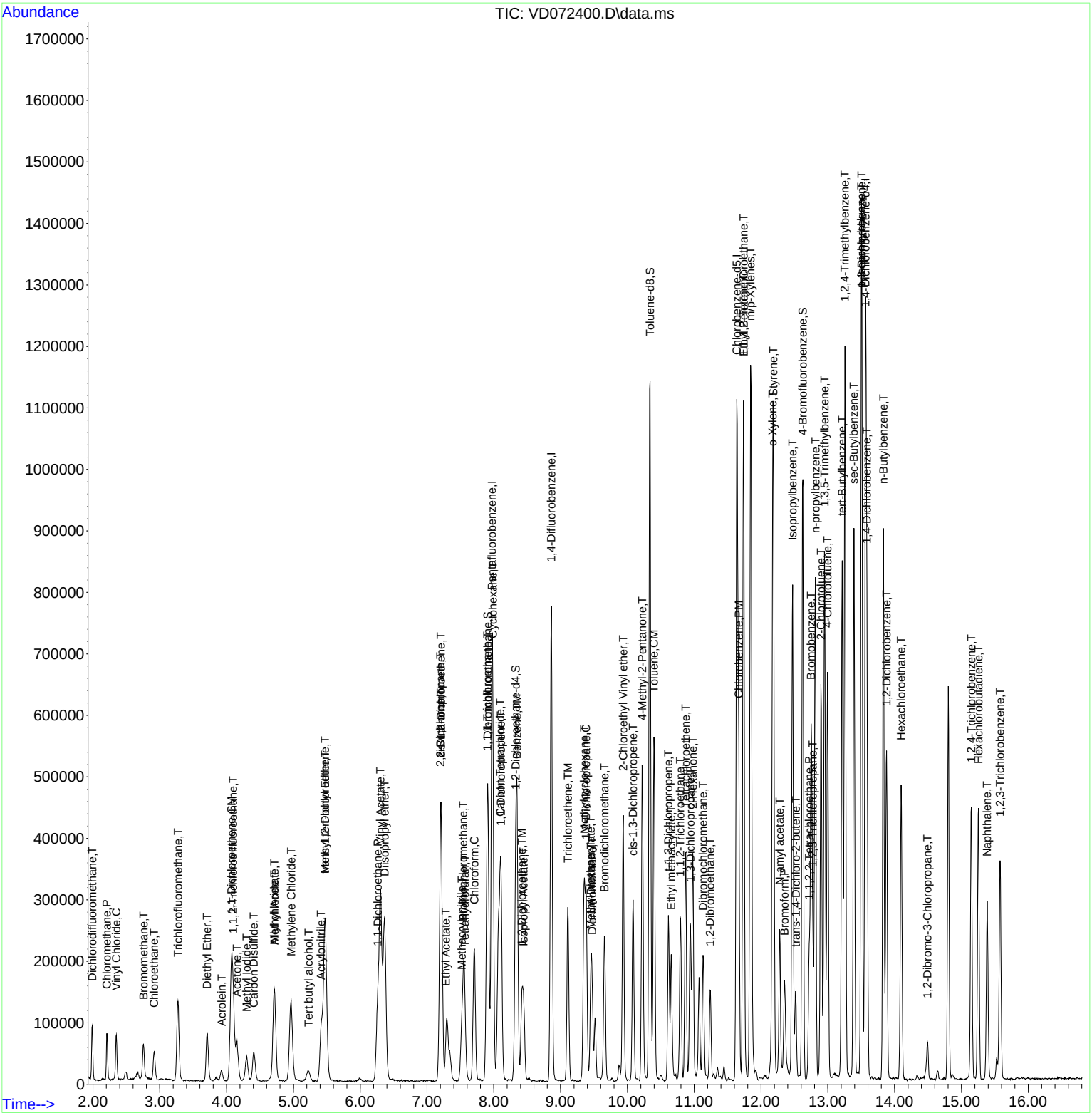
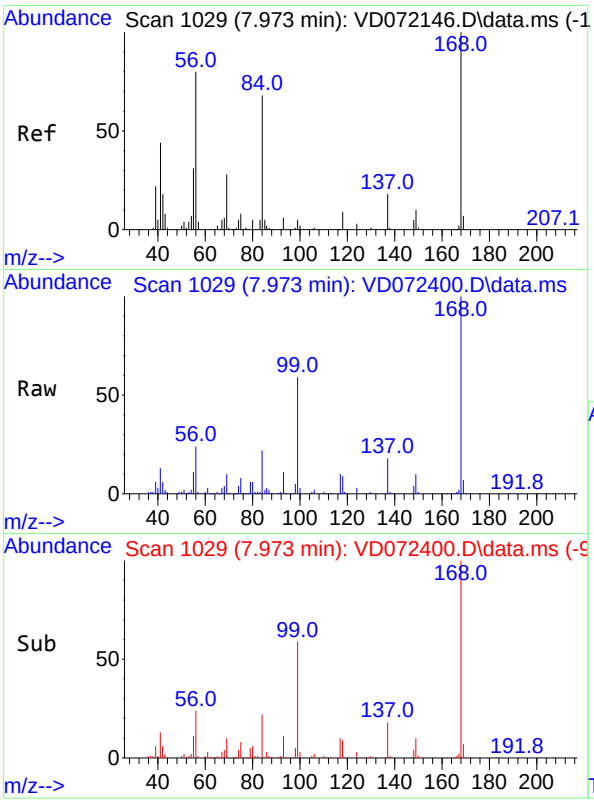
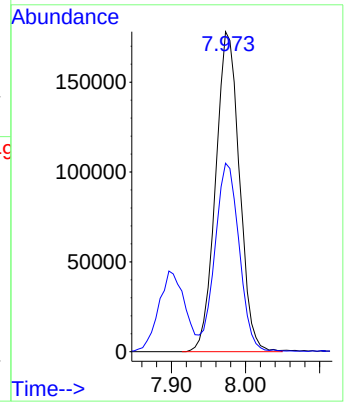




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:168 Resp: 39784

Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.8	74.6



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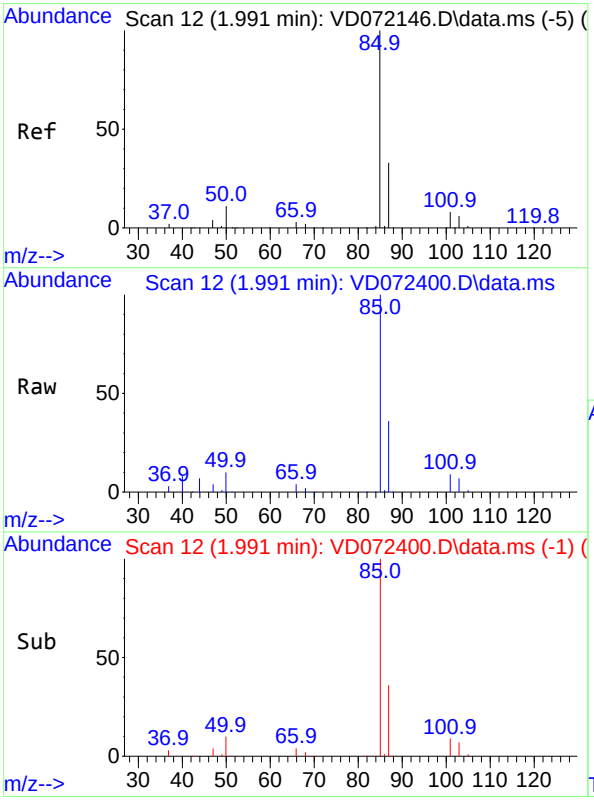
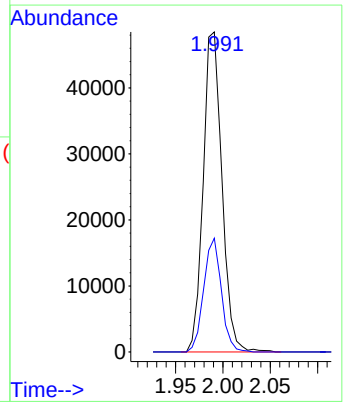
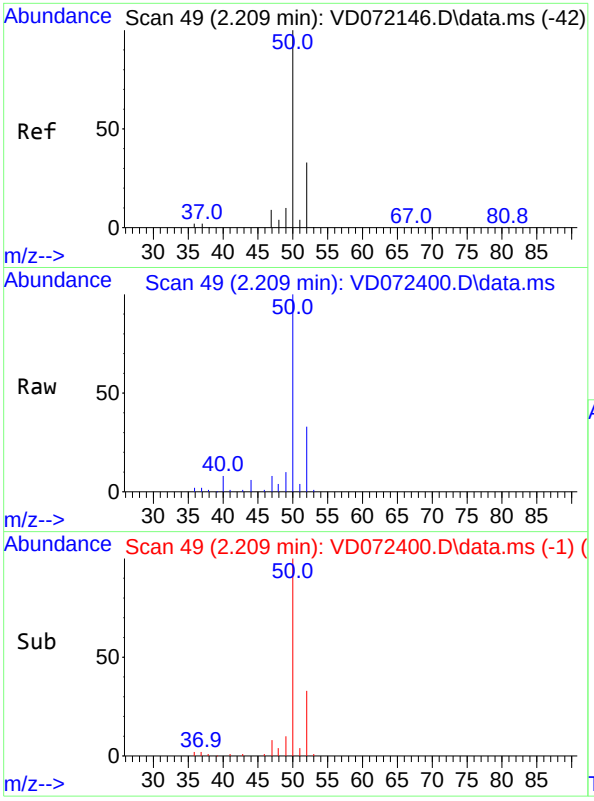


#2
Dichlorodifluoromethane
Concen: 18.159 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 85 Resp: 66821

Ion	Ratio	Lower	Upper
85	100		
87	35.6	15.7	47.0

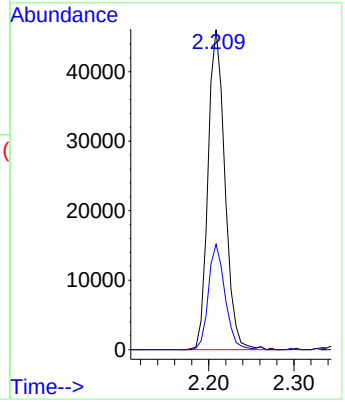




#3
Chloromethane
Concen: 19.379 ug/l
RT: 2.209 min Scan# 4
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 50 Resp: 6336

Ion	Ratio	Lower	Upper
50	100		
52	32.9	27.4	41.0



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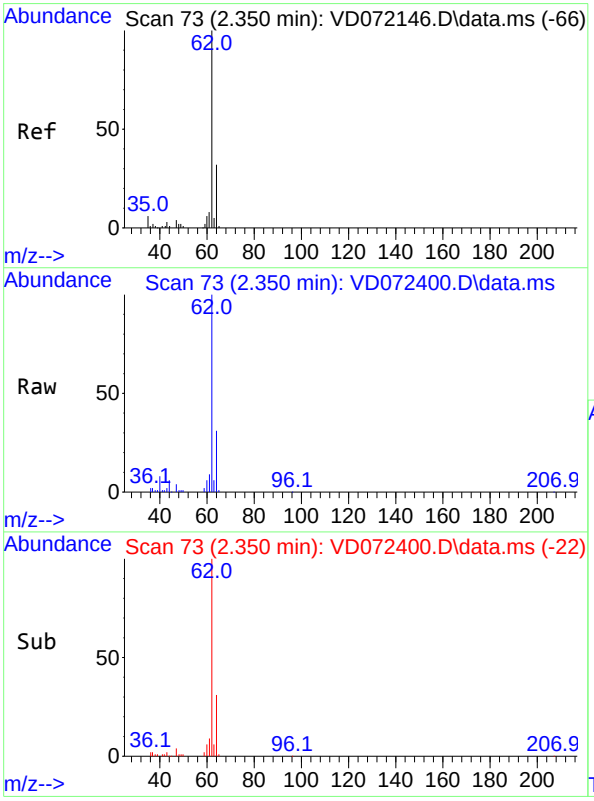
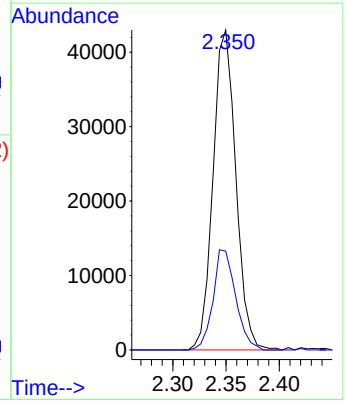
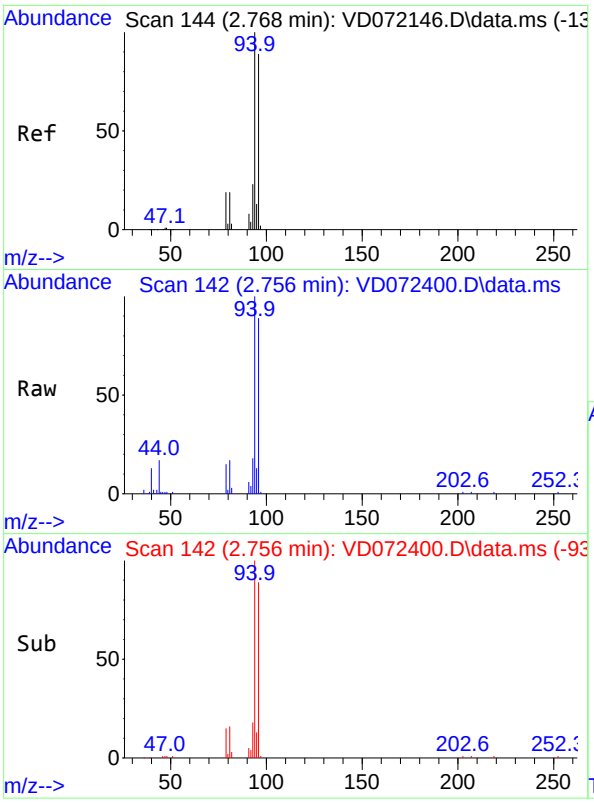


#4
Vinyl Chloride
Concen: 20.264 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 62 Resp: 63961

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.4	38.0

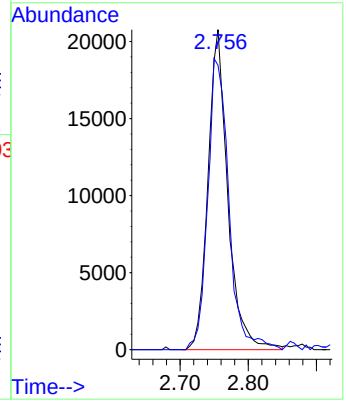




#5
Bromomethane
Concen: 20.445 ug/l
RT: 2.756 min Scan# 14
Delta R.T. -0.012 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 94 Resp: 4202

Ion	Ratio	Lower	Upper
94	100		
96	88.9	77.6	116.4



Instrument :
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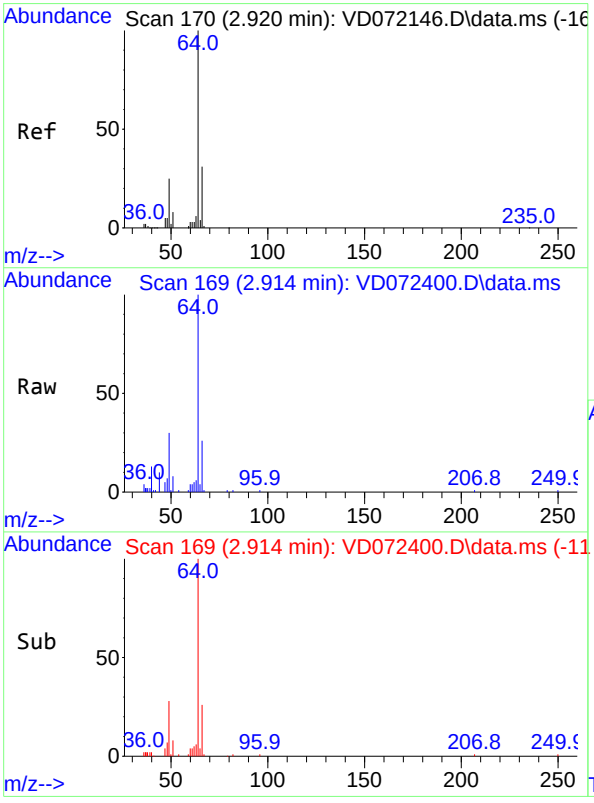
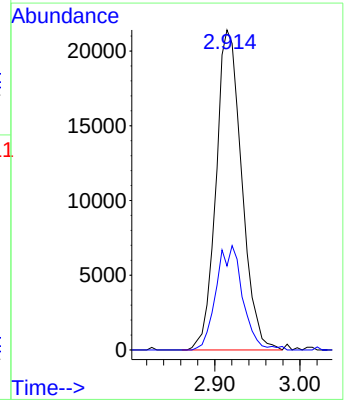
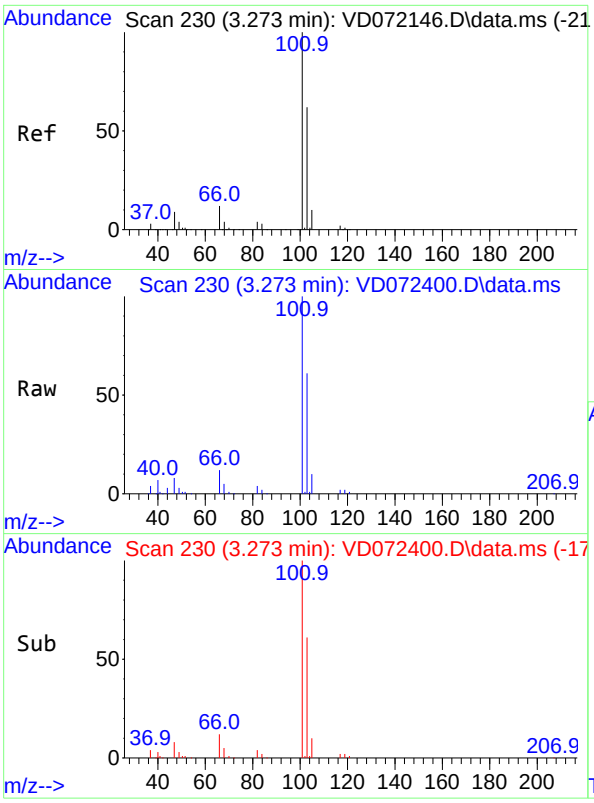


#6
Chloroethane
Concen: 21.459 ug/l
RT: 2.914 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 64 Resp: 44781

Ion	Ratio	Lower	Upper
64	100		
66	26.2	25.9	38.9

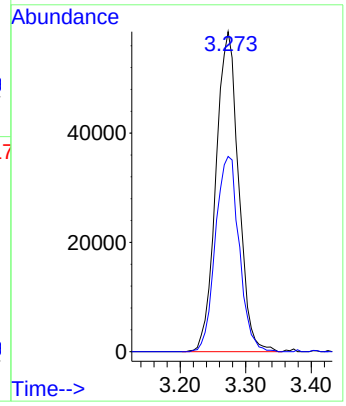




#7
Trichlorofluoromethane
Concen: 19.639 ug/l
RT: 3.273 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:101 Resp: 13998

Ion	Ratio	Lower	Upper
101	100		
103	61.0	50.1	75.1



Instrument :
MSVOA_D
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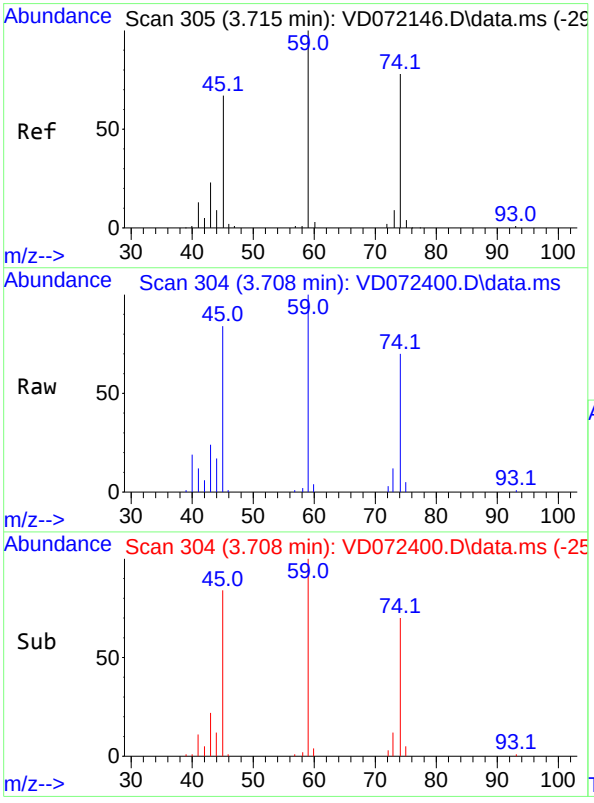
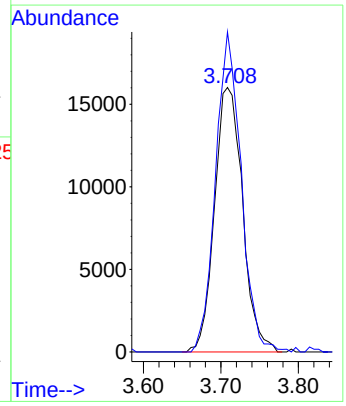
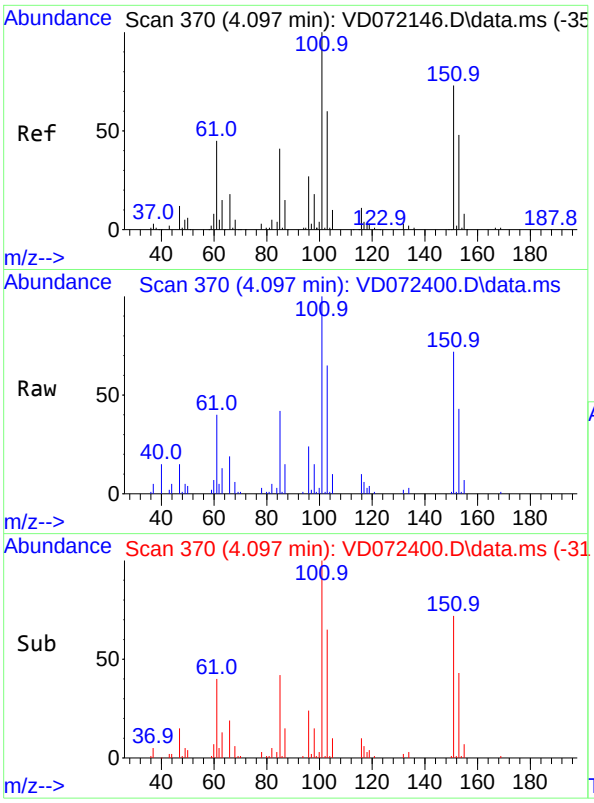


#8
Diethyl Ether
Concen: 20.494 ug/l
RT: 3.708 min Scan# 304
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 74 Resp: 40346

Ion	Ratio	Lower	Upper
74	100		
45	110.0	52.6	157.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.026 ug/l
RT: 4.097 min Scan# 3
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:101 Resp: 9556

Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.4	54.6
151	72.9	57.3	85.9

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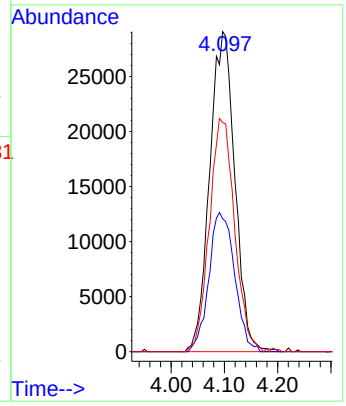
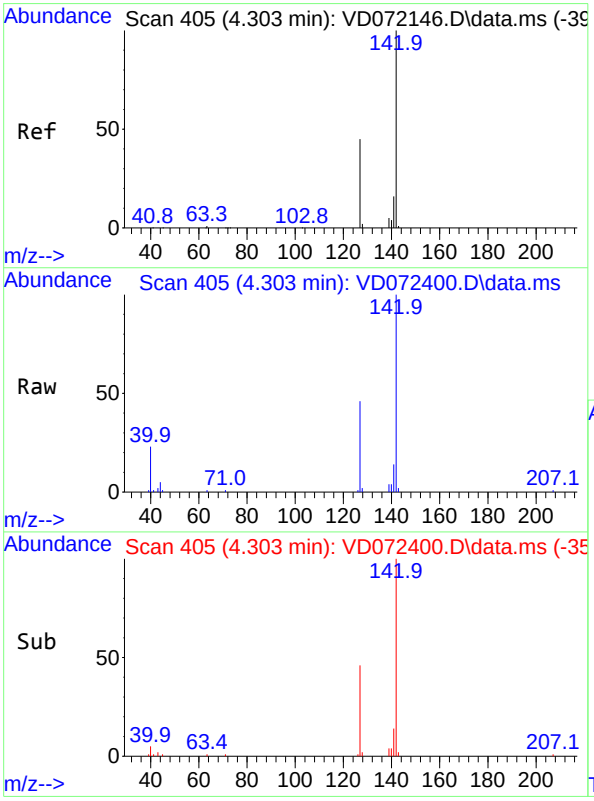
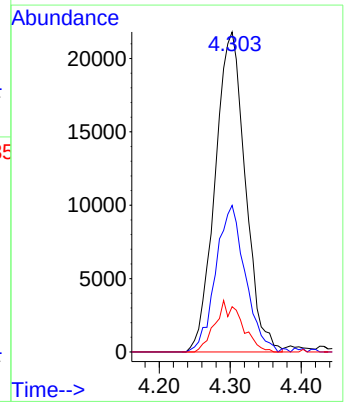


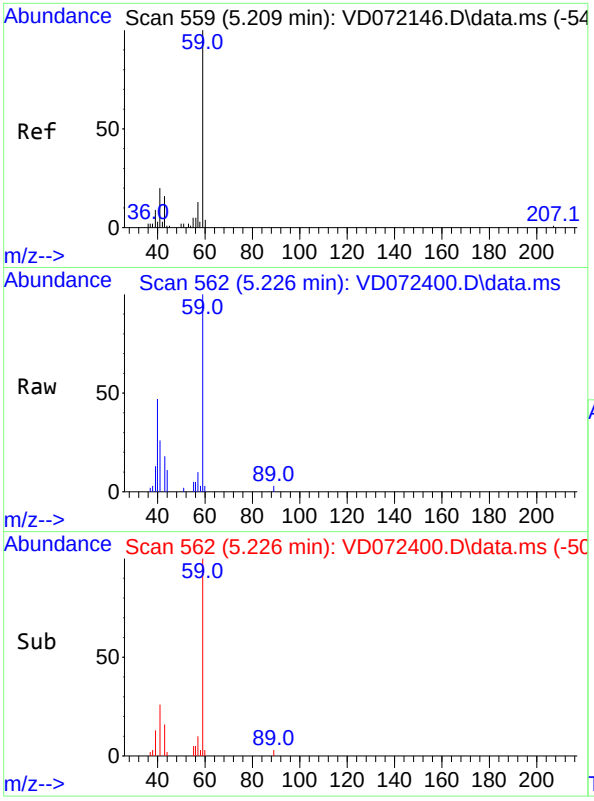


#10
Methyl Iodide
Concen: 17.331 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:142 Resp: 64369

Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.3	55.9
141	14.3	11.7	17.5

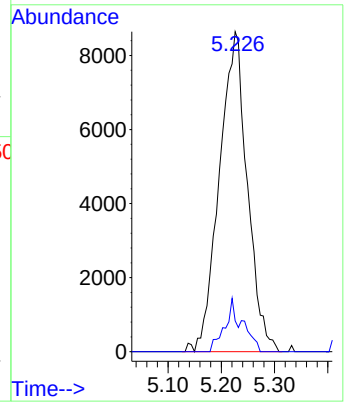




#11
Tert butyl alcohol
Concen: 122.619 ug/l
RT: 5.226 min Scan# 5
Delta R.T. 0.017 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 59 Resp: 3152

Ion	Ratio	Lower	Upper
59	100		
57	6.8	7.8	11.6



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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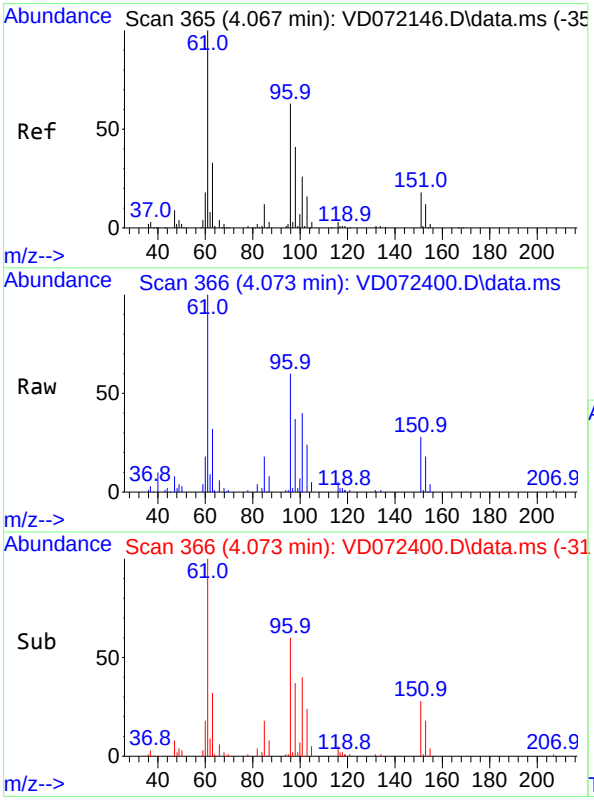
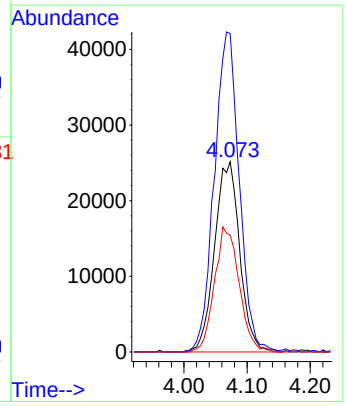
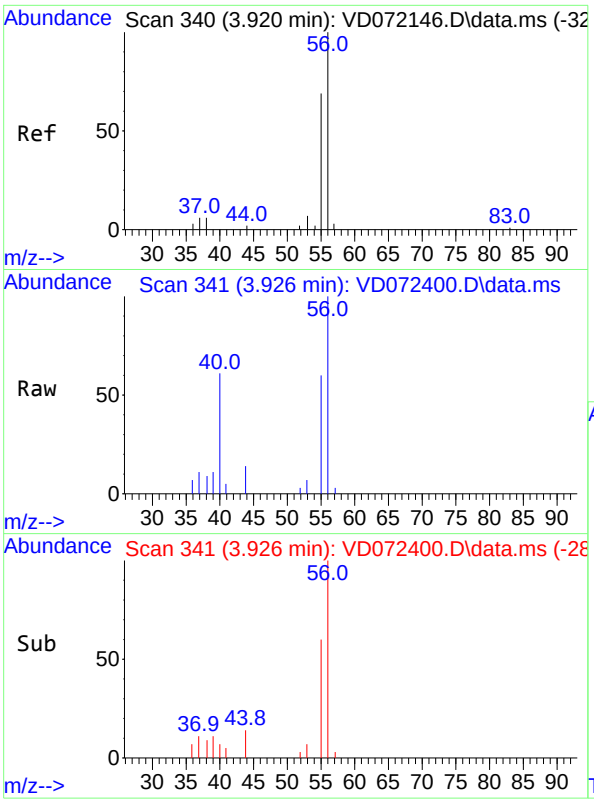


#12
1,1-Dichloroethene
Concen: 18.986 ug/l
RT: 4.073 min Scan# 366
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 96 Resp: 69422

Ion	Ratio	Lower	Upper
96	100		
61	167.3	138.5	207.7
98	61.4	48.6	73.0





#13
Acrolein
Concen: 84.271 ug/l
RT: 3.926 min Scan# 34
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 56 Resp: 1933

Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.1	85.7

Instrument :
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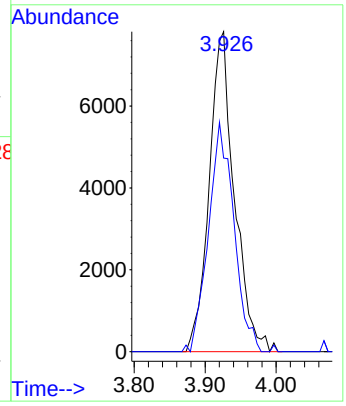
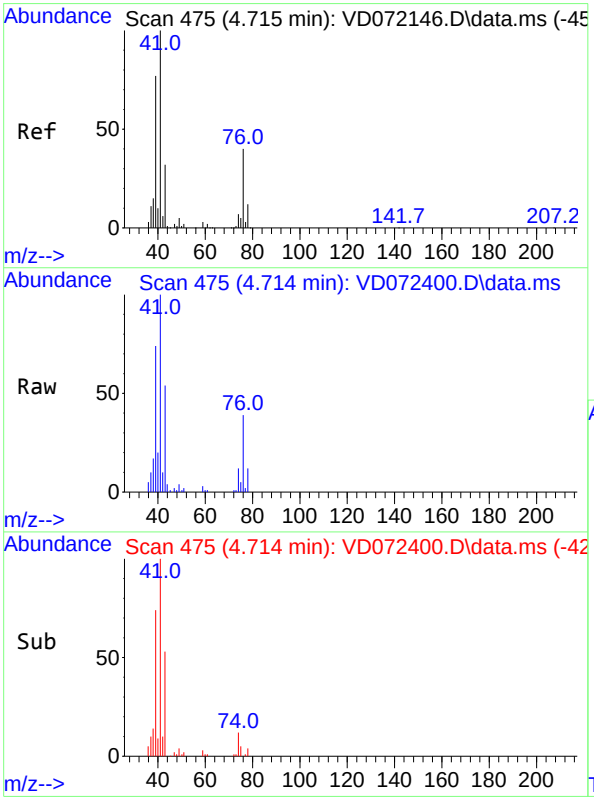
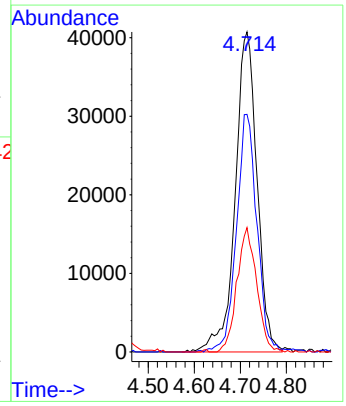


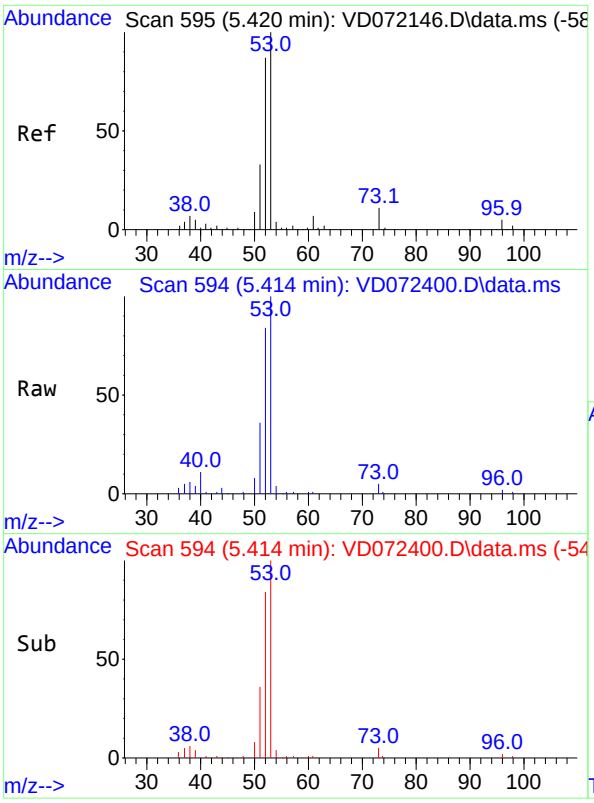


#14
Allyl chloride
Concen: 20.950 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 41 Resp: 133933

Ion	Ratio	Lower	Upper
41	100		
39	69.9	59.3	88.9
76	35.2	25.7	38.5

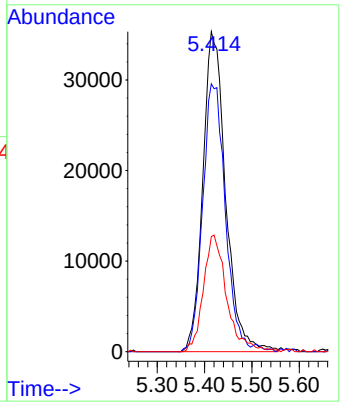




#15
Acrylonitrile
Concen: 118.861 ug/l
RT: 5.414 min Scan# 5
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 53 Resp: 11806

Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	37.4	30.3	45.5



Instrument :
MSVOA_D
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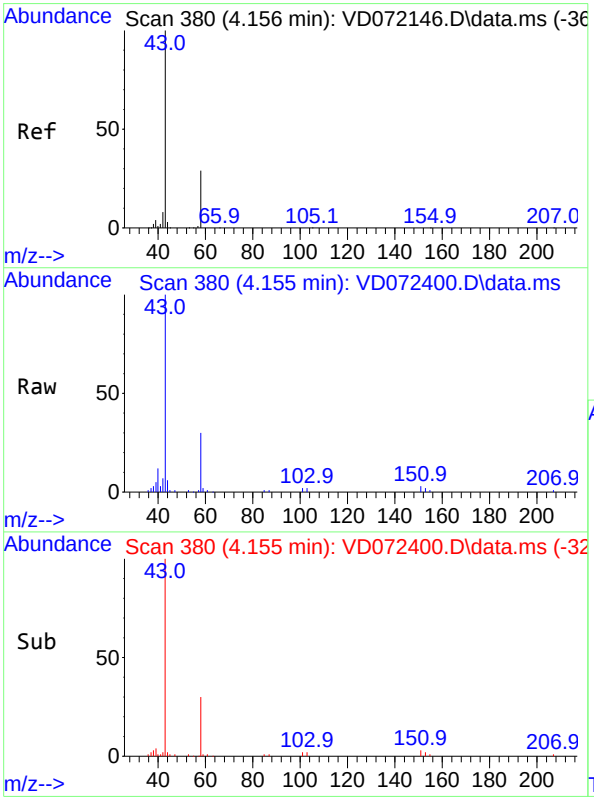
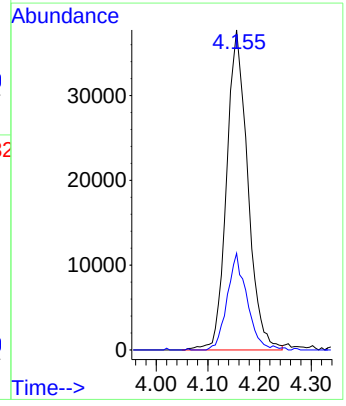
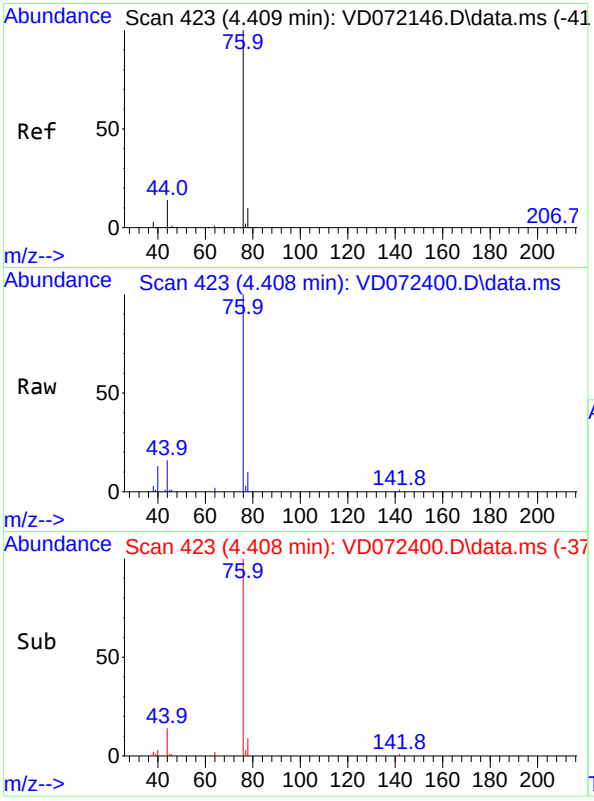


#16
Acetone
Concen: 111.482 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 107319

Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.1	33.1

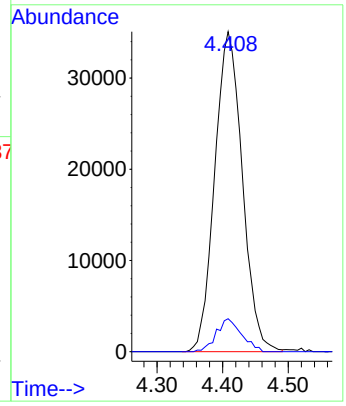




#17
Carbon Disulfide
Concen: 13.157 ug/l
RT: 4.408 min Scan# 4
Delta R.T. -0.001 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 76 Resp: 10248

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.5	11.3



Instrument :
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ClientSampleId :
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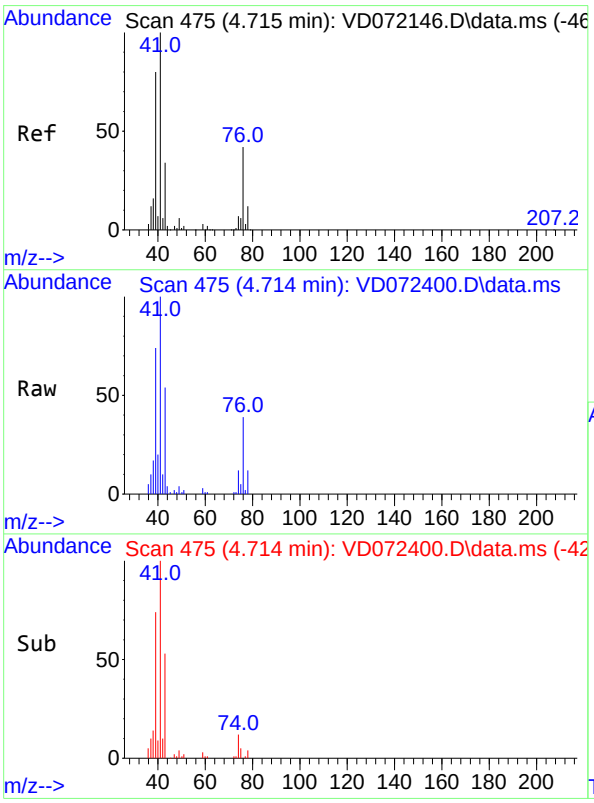
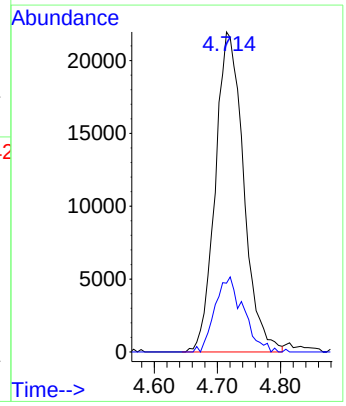
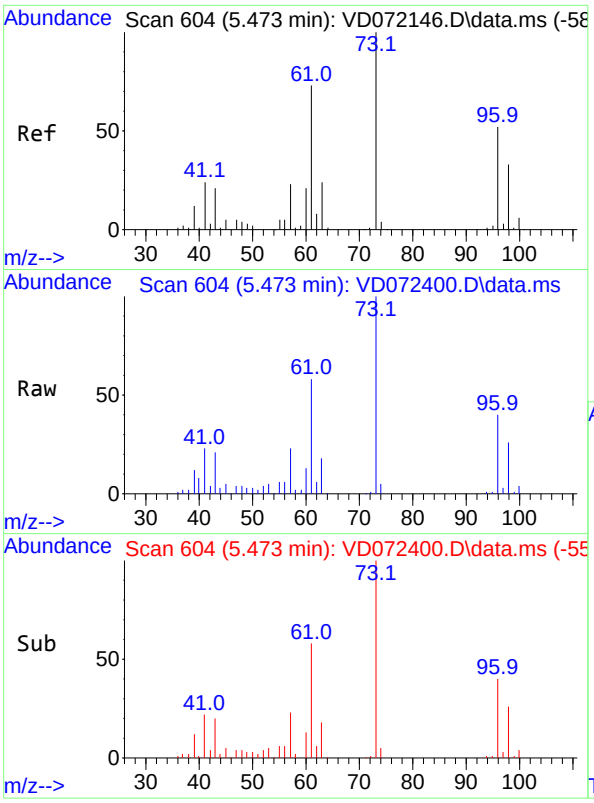


#18
Methyl Acetate
Concen: 28.912 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 68206

Ion	Ratio	Lower	Upper
43	100		
74	23.7	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 23.218 ug/l
RT: 5.473 min Scan# 6
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 73 Resp: 23074

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.0	27.0

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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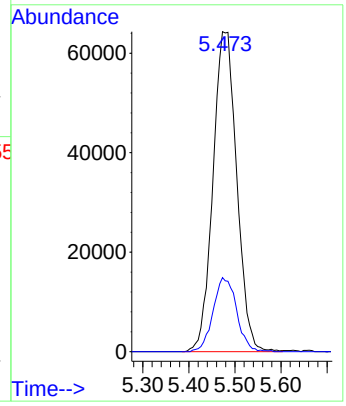
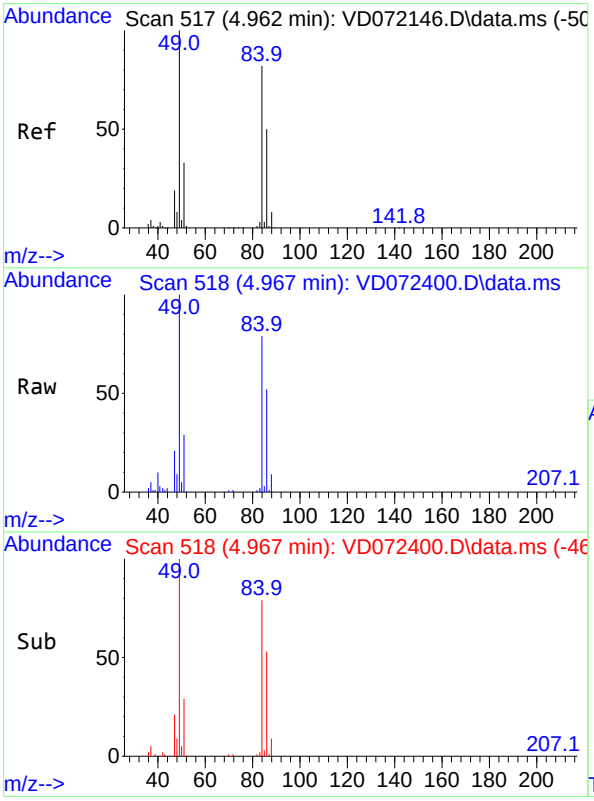
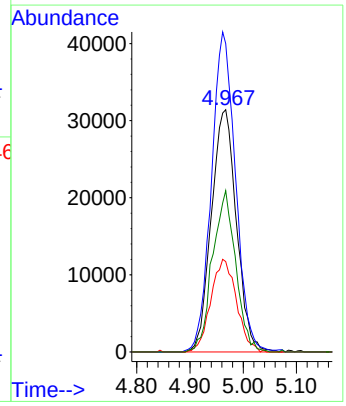


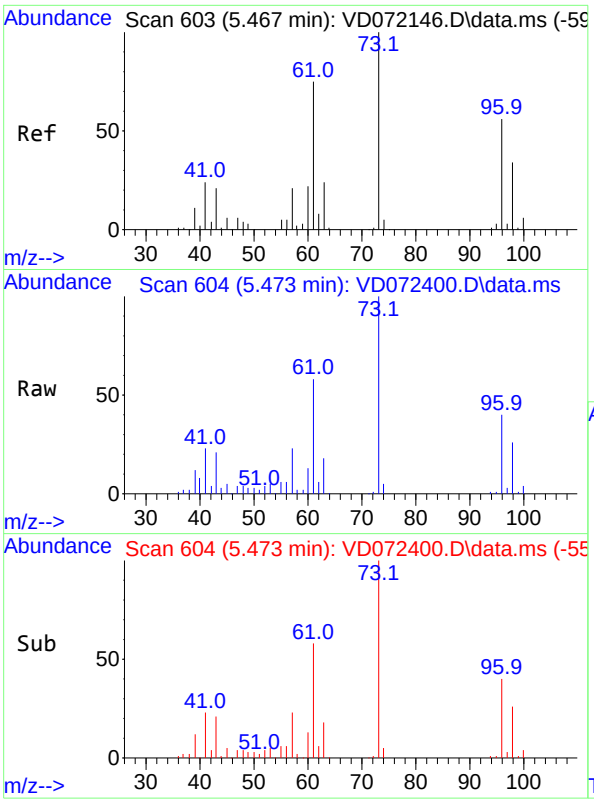


#20
Methylene Chloride
Concen: 17.372 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 84 Resp: 102749

Ion	Ratio	Lower	Upper
84	100		
49	127.3	112.8	169.2
51	37.4	32.6	48.8
86	66.6	47.9	71.9

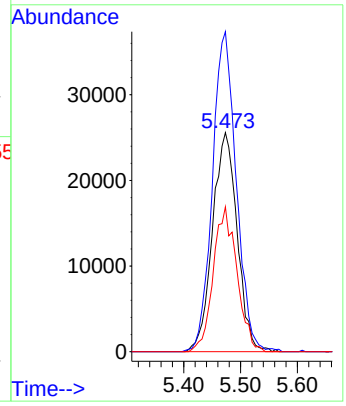




#21
trans-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 5.473 min Scan# 6
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 96 Resp: 7711

Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.9	176.9
98	66.1	49.4	74.2



Instrument :
MSVOA_D
ClientSampleId :
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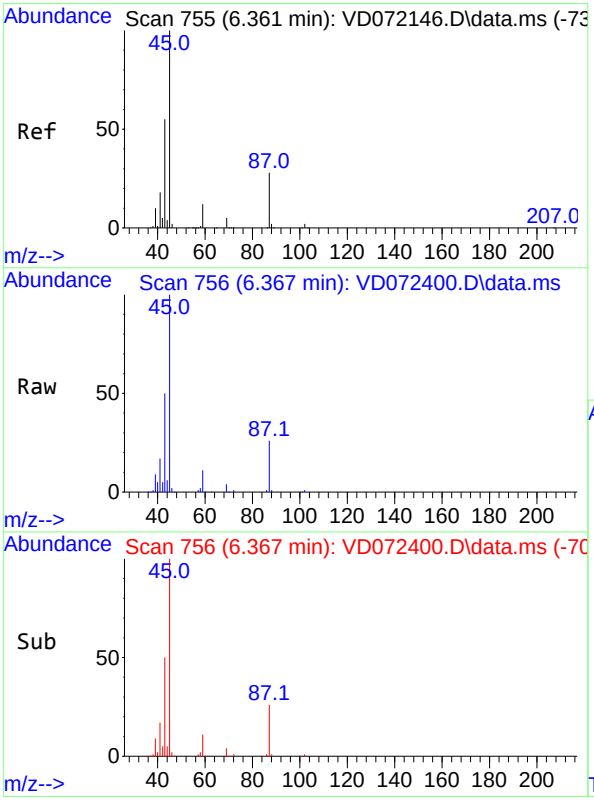
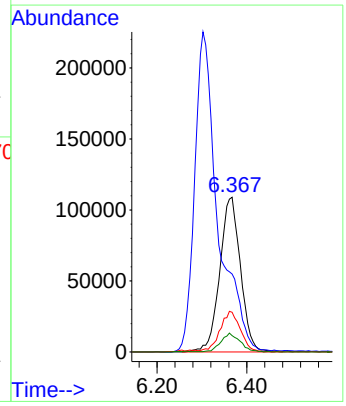
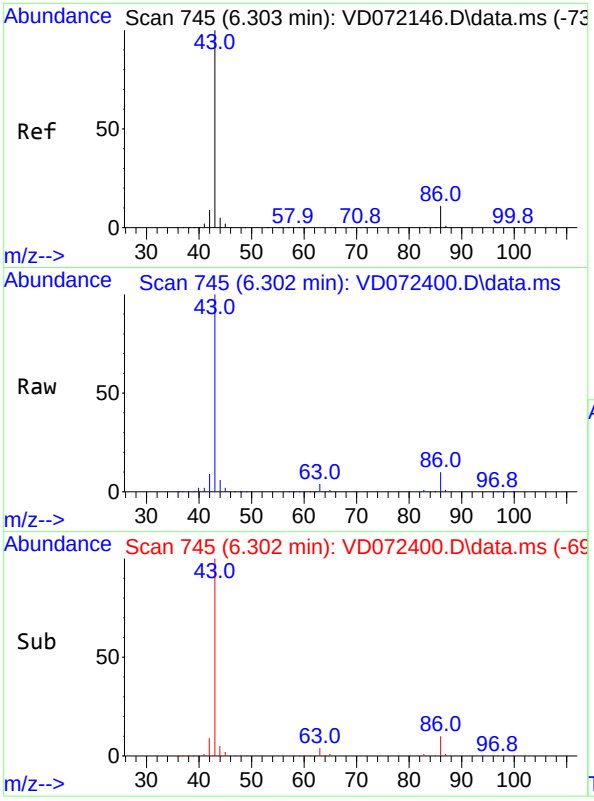


#22
Diisopropyl ether
Concen: 24.057 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 45 Resp: 350793

Ion	Ratio	Lower	Upper
45	100		
43	49.7	46.6	70.0
87	25.6	18.4	27.6
59	10.5	8.6	13.0





#23
Vinyl Acetate
Concen: 109.153 ug/l
RT: 6.302 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 81230

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.1	10.7

Instrument :
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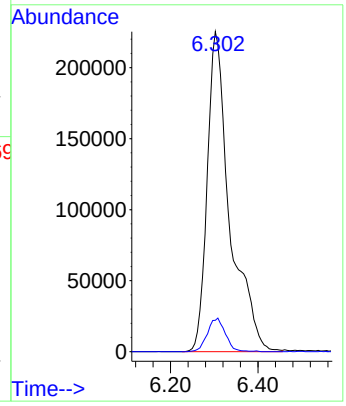
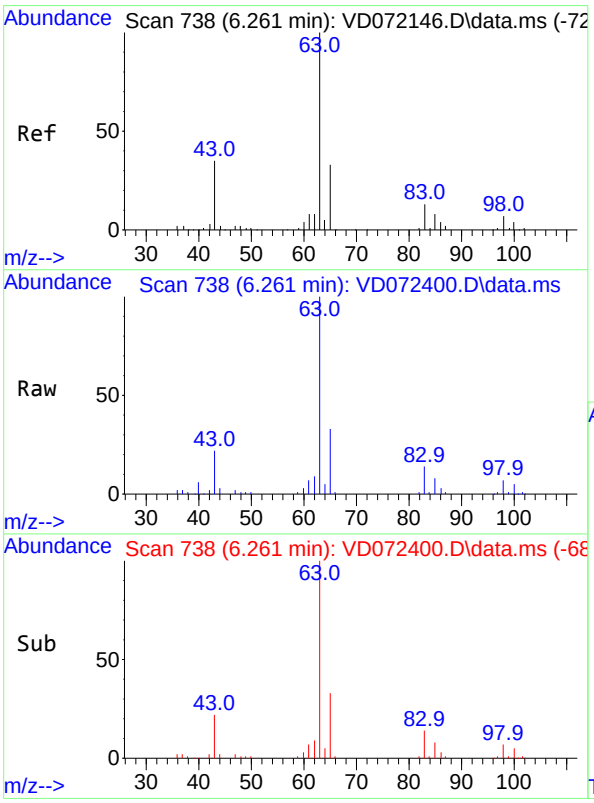
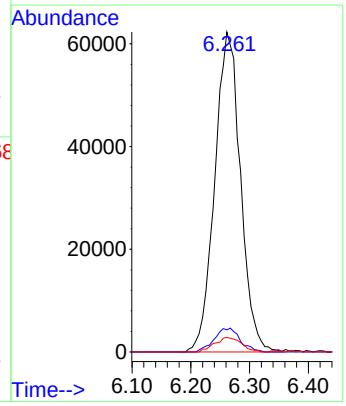


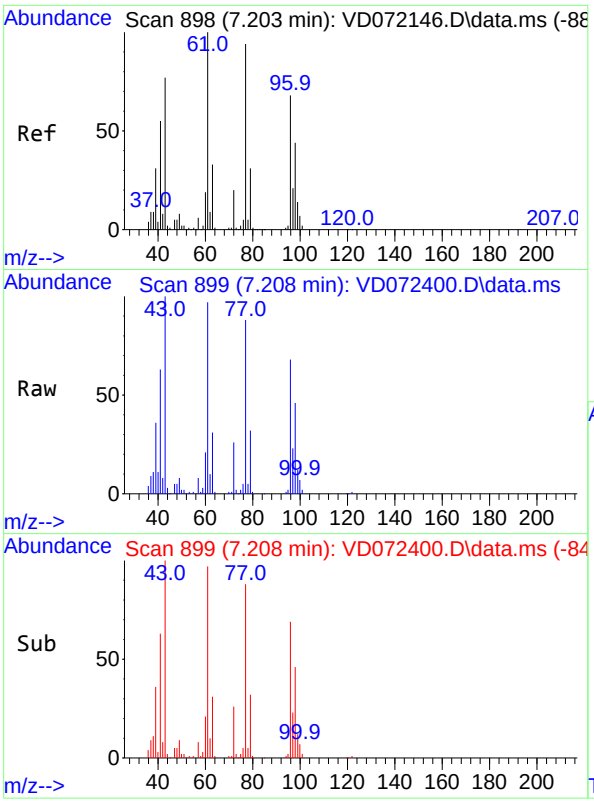


#24
1,1-Dichloroethane
Concen: 22.024 ug/l
RT: 6.261 min Scan# 738
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 63 Resp: 189404

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.9
100	4.5	2.1	6.5

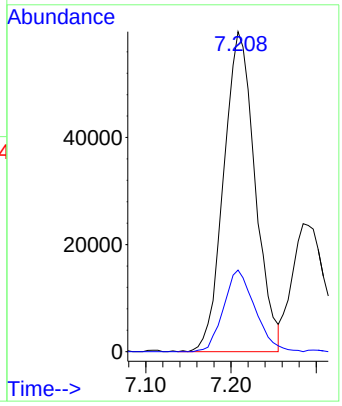




#25
2-Butanone
Concen: 119.334 ug/l
RT: 7.208 min Scan# 8
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 15316

Ion	Ratio	Lower	Upper
43	100		
72	25.5	18.6	27.8



Instrument :
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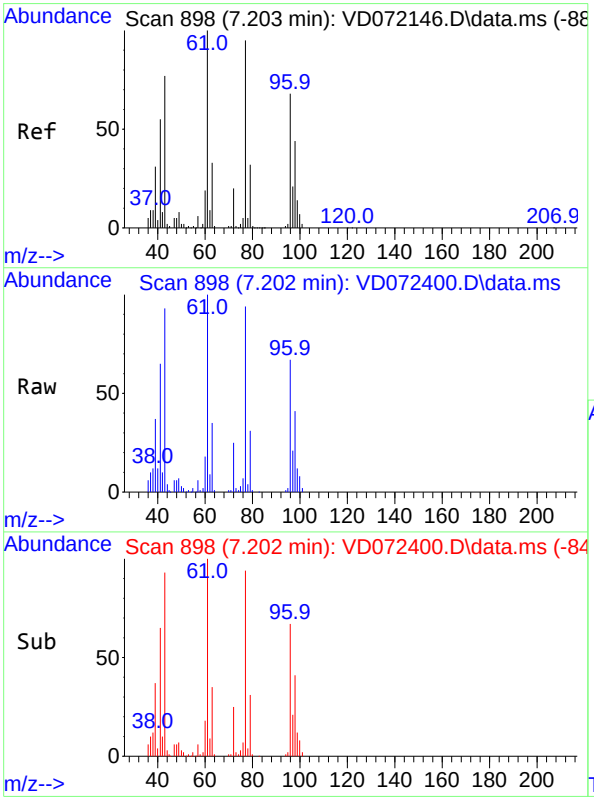
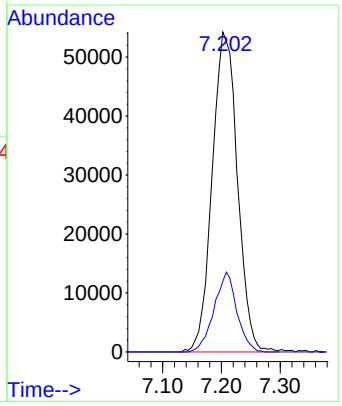
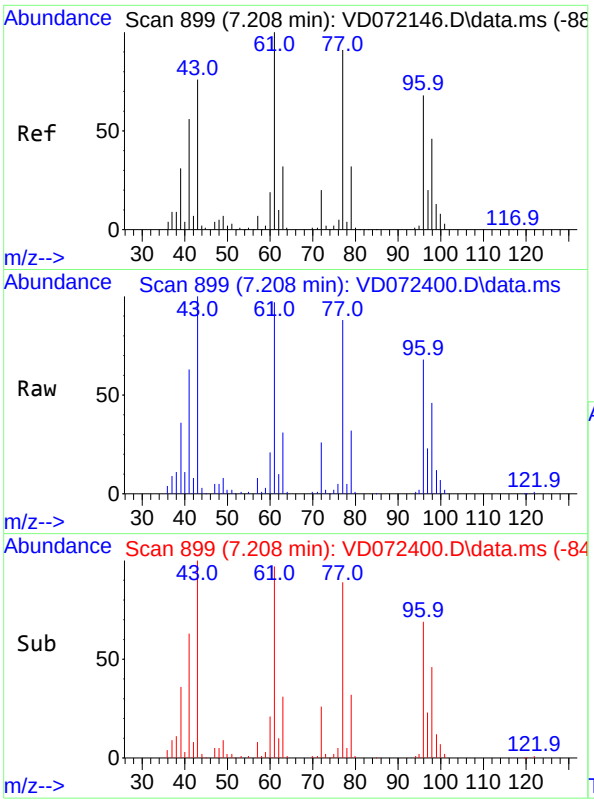


#26
2,2-Dichloropropane
Concen: 20.849 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 77 Resp: 161778

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 21.277 ug/l
RT: 7.208 min Scan# 8
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 96 Resp: 10986

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	313.8
98	62.8	0.0	128.8

Instrument :
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ClientSampleId :
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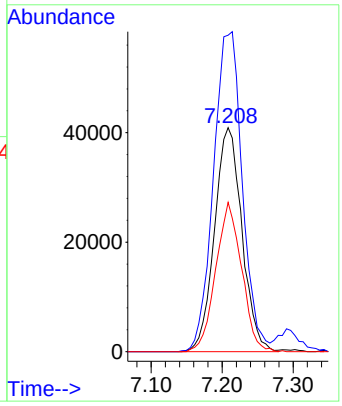
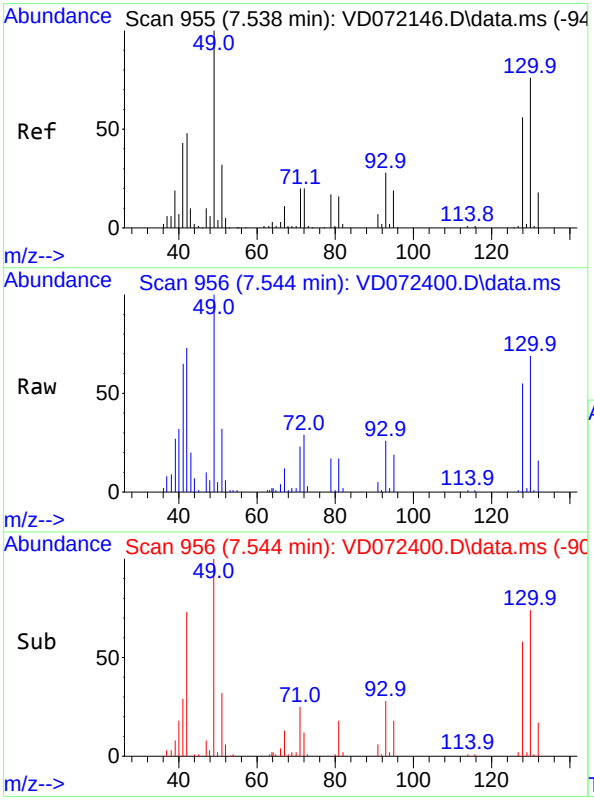
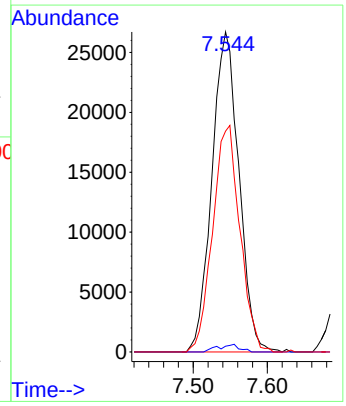


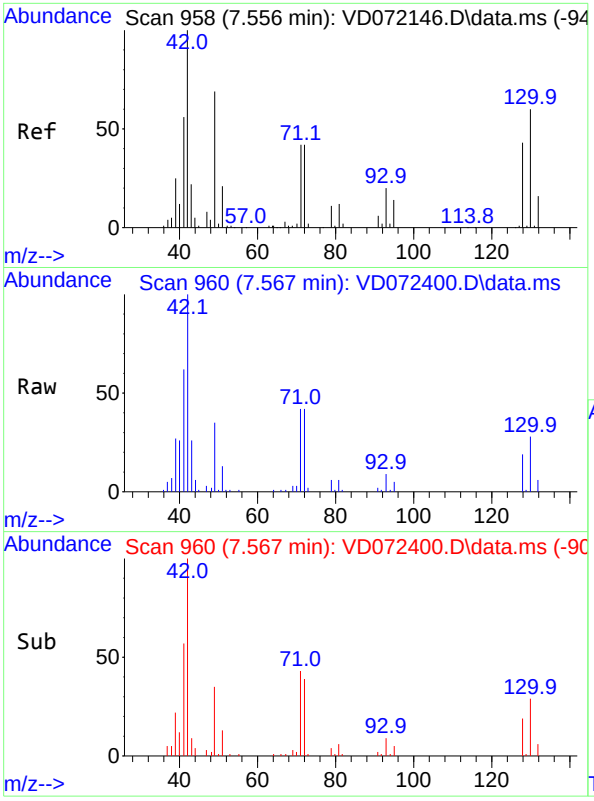


#28
Bromochloromethane
Concen: 19.529 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 49 Resp: 67612

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	71.3	52.6	79.0

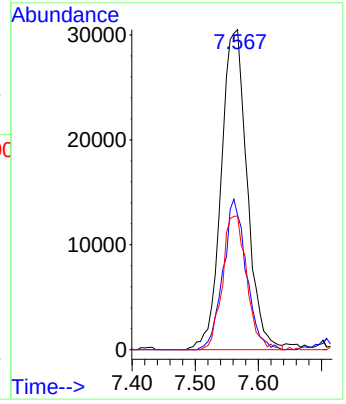




#29
Tetrahydrofuran
Concen: 115.193 ug/l
RT: 7.567 min Scan# 9
Delta R.T. 0.012 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 42 Resp: 8693

Ion	Ratio	Lower	Upper
42	100		
72	42.1	30.7	46.1
71	39.4	28.6	43.0



Instrument :
MSVOA_D
ClientSampleId :
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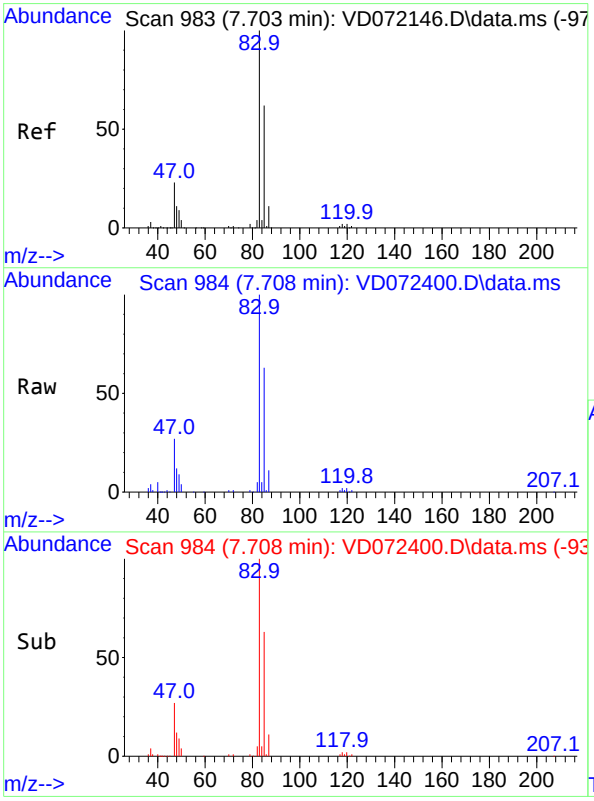
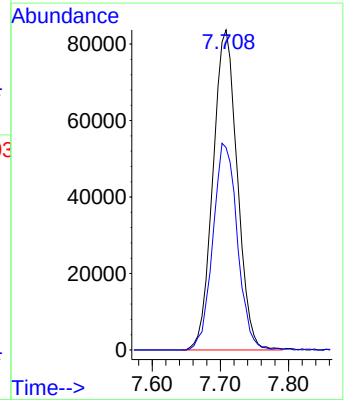
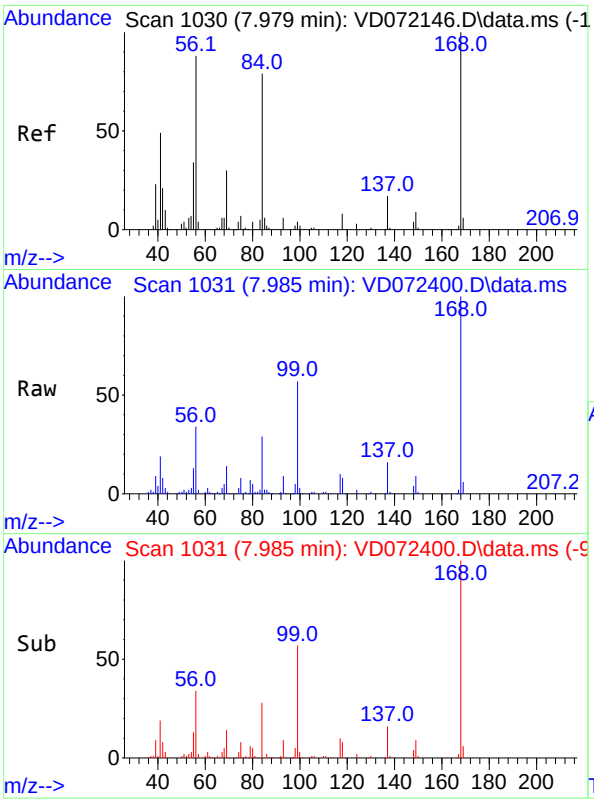


#30
Chloroform
Concen: 22.668 ug/l
RT: 7.708 min Scan# 984
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 83 Resp: 207678

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.7	79.1





#31
Cyclohexane
Concen: 18.572 ug/l
RT: 7.985 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 56 Resp: 12864

Ion	Ratio	Lower	Upper
56	100		
69	40.6	25.4	38.2#
84	84.9	63.0	94.4

Instrument :
MSVOA_D
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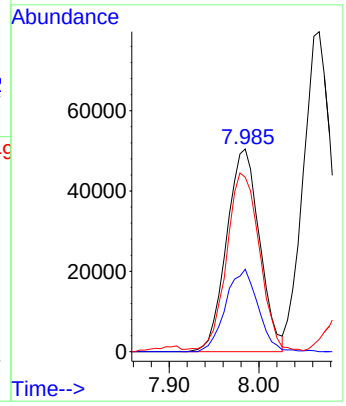
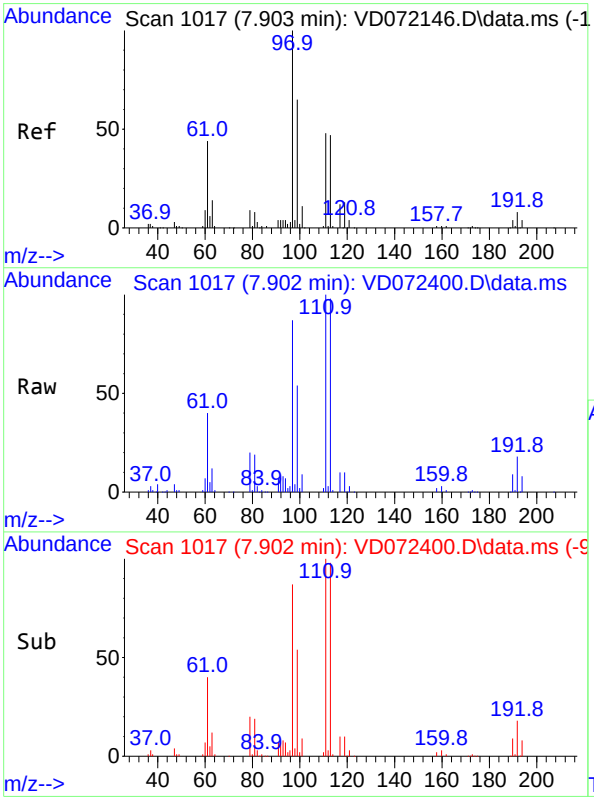
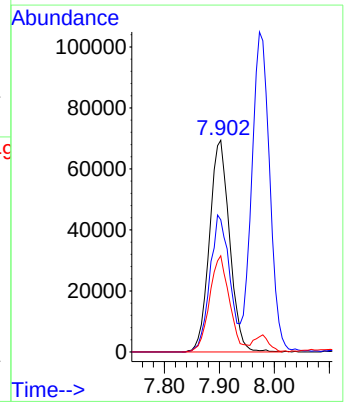


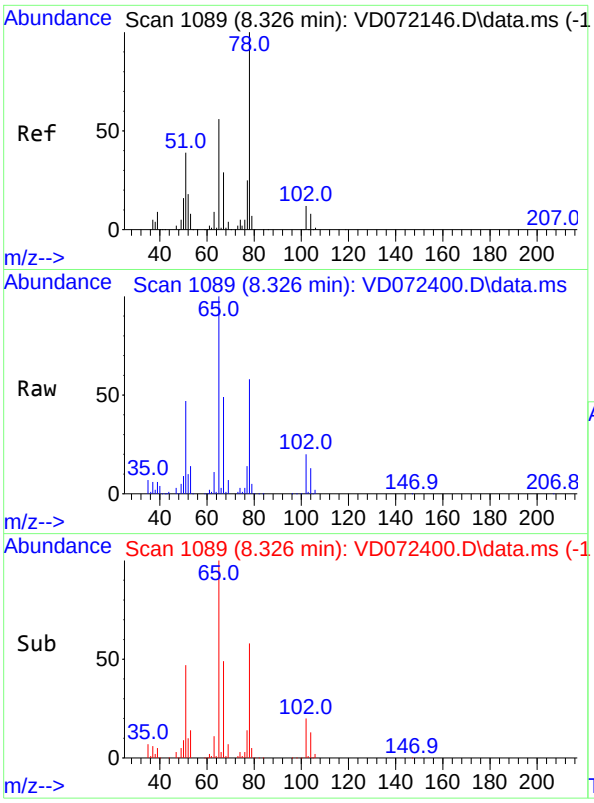


#32
1,1,1-Trichloroethane
Concen: 21.650 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 97 Resp: 176165

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	45.0	38.0	57.0

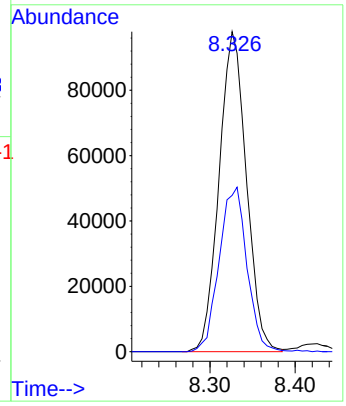




#33
1,2-Dichloroethane-d4
Concen: 49.123 ug/l
RT: 8.326 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 65 Resp: 21779

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	101.4



Instrument :
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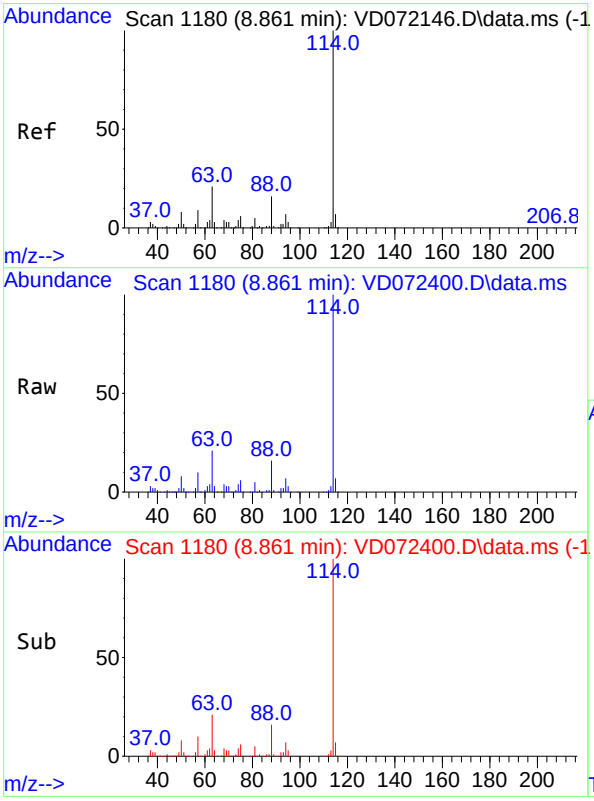
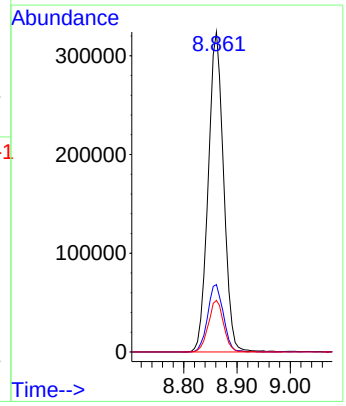
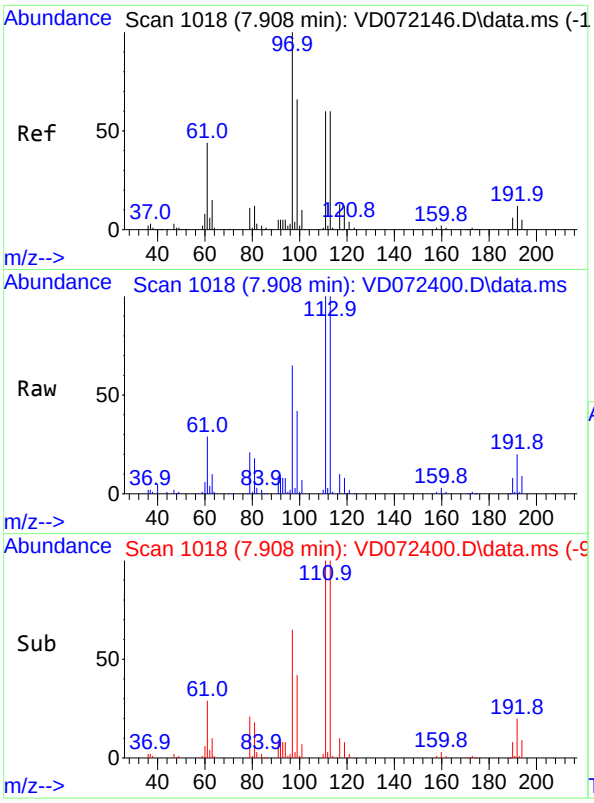


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:114 Resp: 651146

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	46.6
88	16.1	0.0	33.2

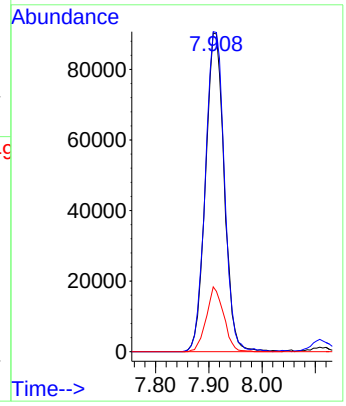




#35
Dibromofluoromethane
Concen: 48.061 ug/l
RT: 7.908 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:113 Resp: 22022

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.8	125.6
192	19.0	14.6	21.8



Instrument :
MSVOA_D
ClientSampleId :
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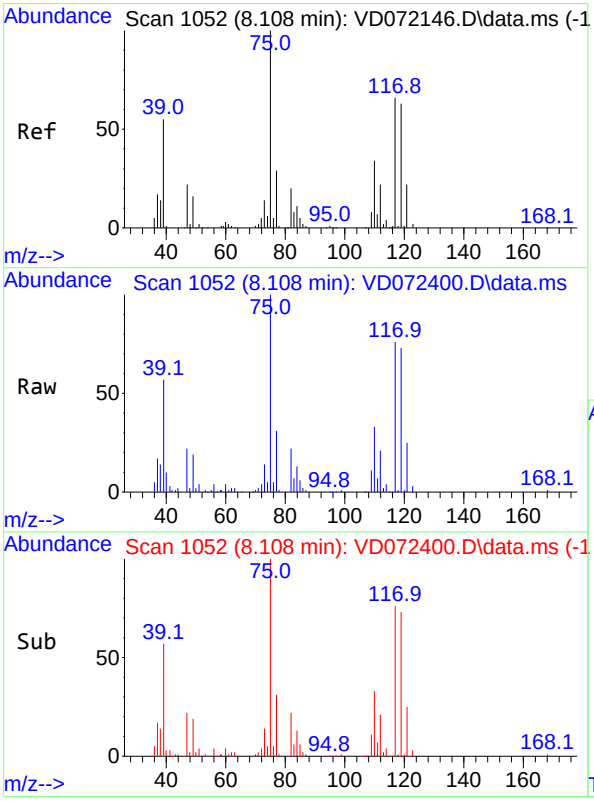
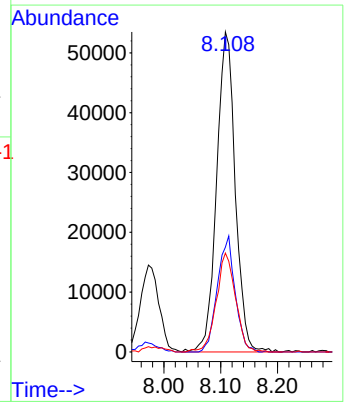
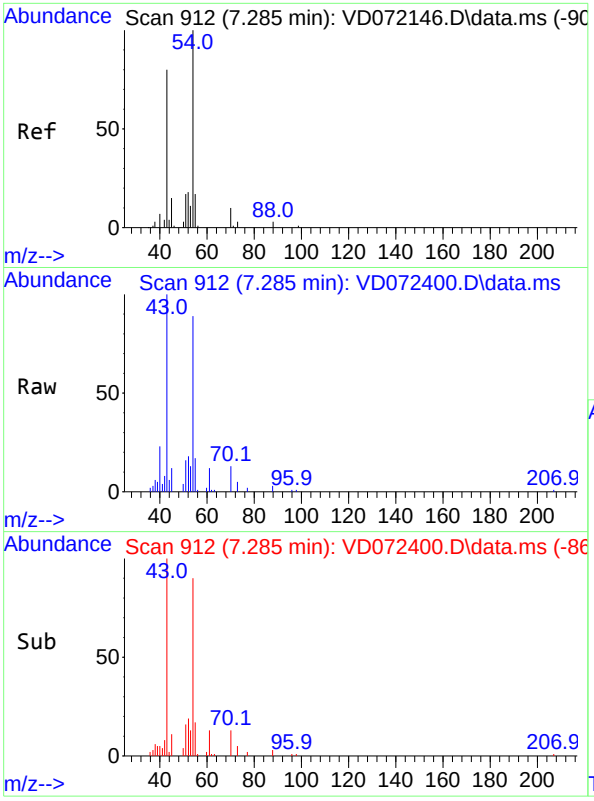


#36
1,1-Dichloropropene
Concen: 18.989 ug/l
RT: 8.108 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 122063

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.4	49.1
77	31.9	24.2	36.2





#37
Ethyl Acetate
Concen: 22.339 ug/l
RT: 7.285 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 6290

Ion	Ratio	Lower	Upper
43	100		
61	14.3	9.8	14.8
70	11.2	6.9	10.3#

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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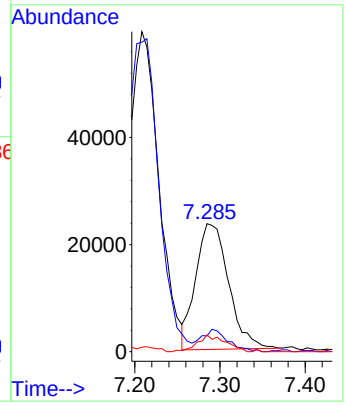
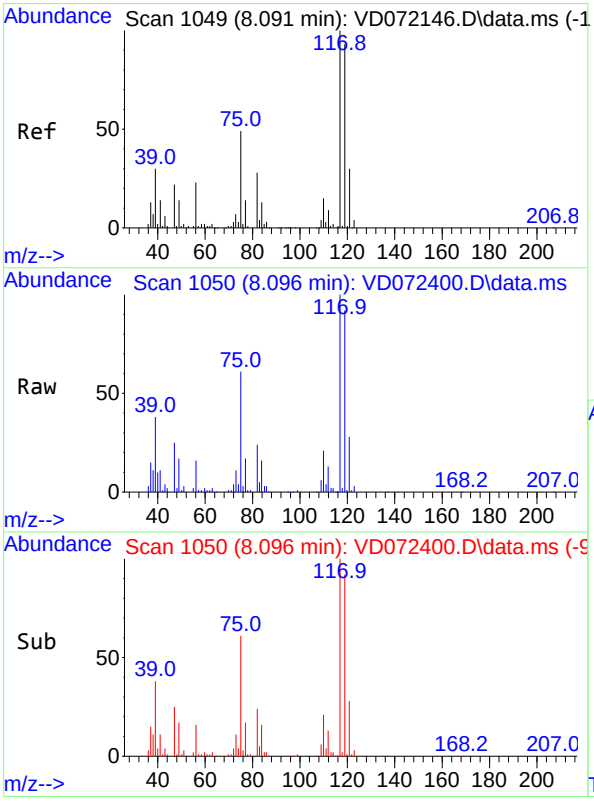
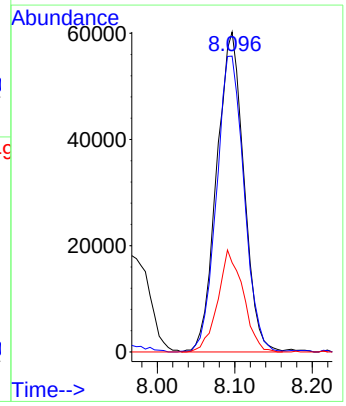


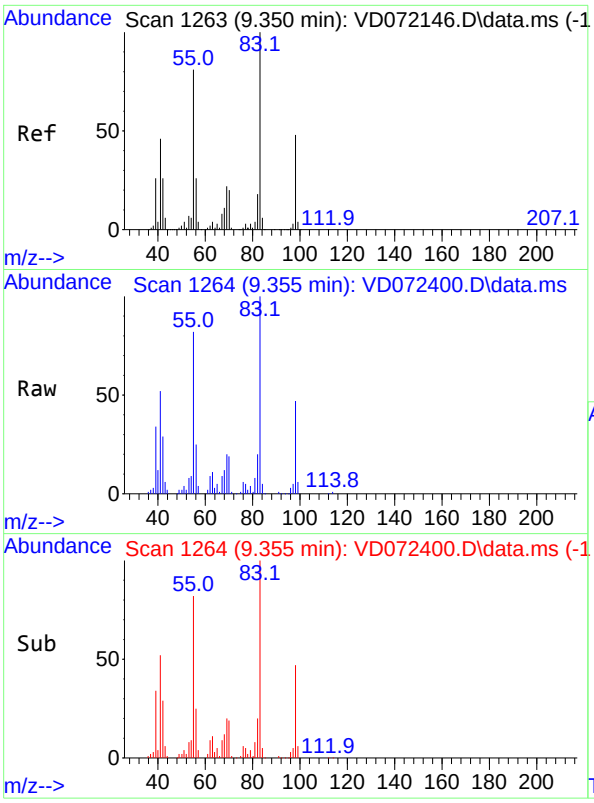


#38
Carbon Tetrachloride
Concen: 20.099 ug/l
RT: 8.096 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:117 Resp: 146862

Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.8	113.6
121	27.9	24.5	36.7

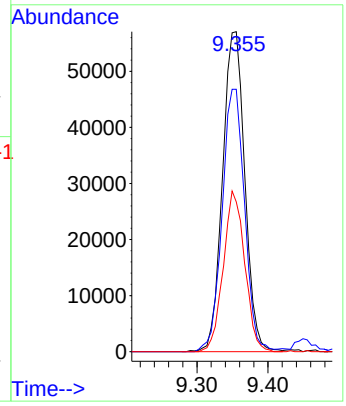




#39
Methylcyclohexane
Concen: 17.136 ug/l
RT: 9.355 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 83 Resp: 12395

Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.2	94.8
98	46.8	38.2	57.4



Instrument :
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ClientSampleId :
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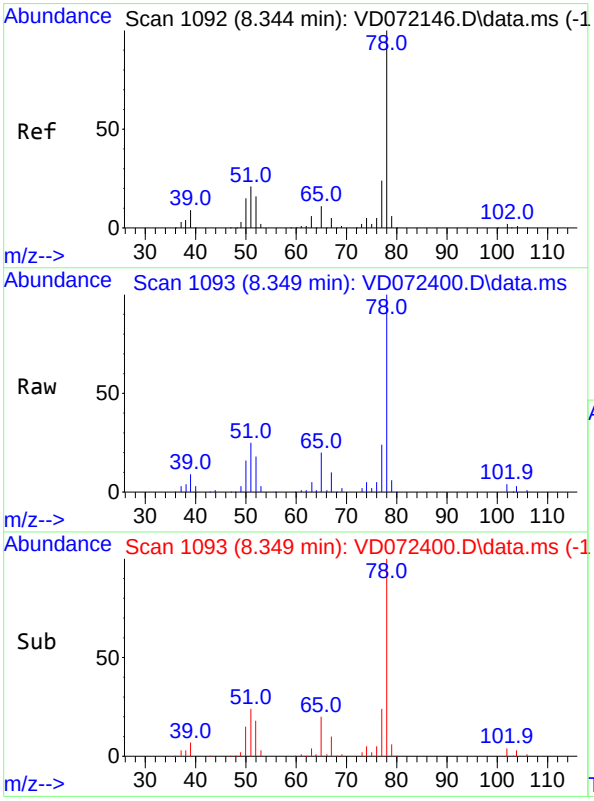
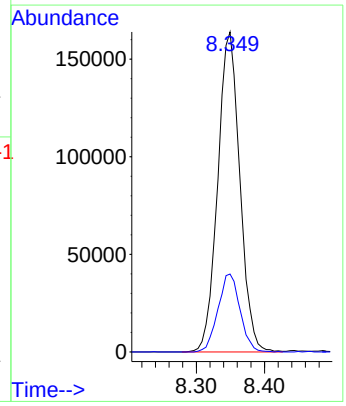
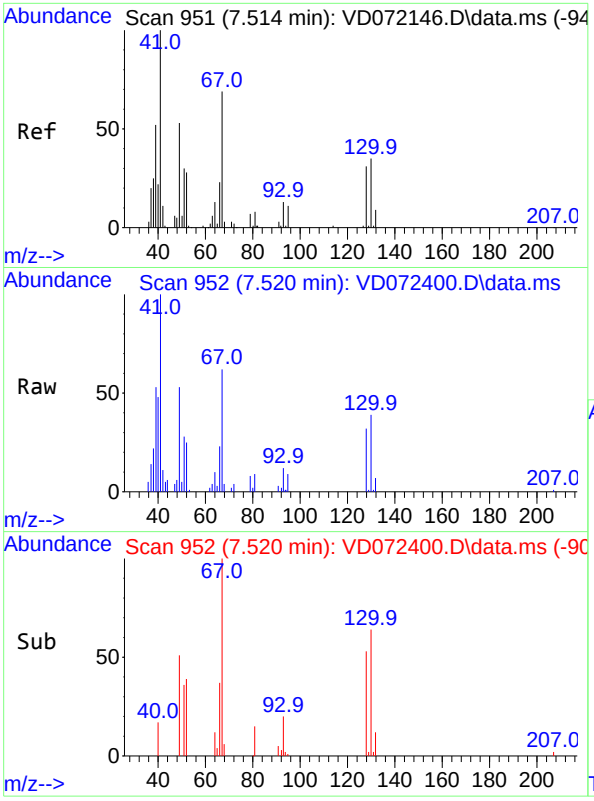


#40
Benzene
Concen: 20.164 ug/l
RT: 8.349 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 78 Resp: 369783

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7

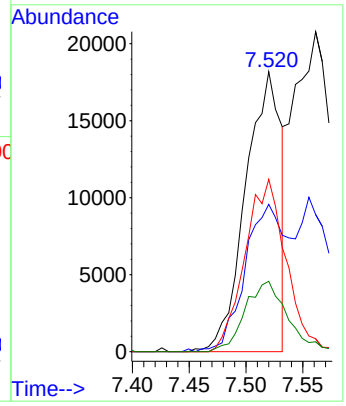




#41
Methacrylonitrile
Concen: 23.975 ug/l
RT: 7.520 min Scan# 9
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 41 Resp: 3934

Ion	Ratio	Lower	Upper
41	100		
39	67.3	44.6	67.0
67	71.6	48.2	72.4
52	29.9	22.8	34.2



Instrument :
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ClientSampleId :
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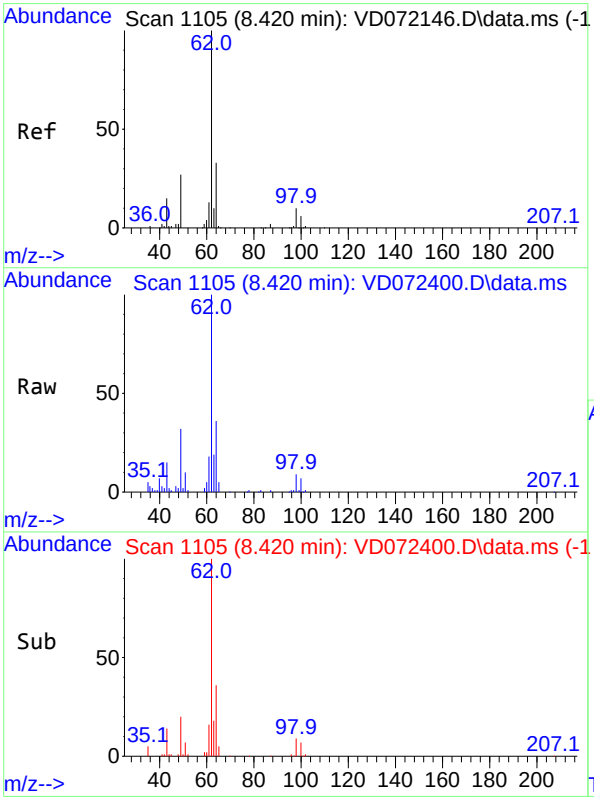
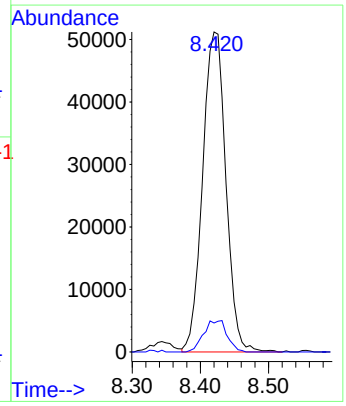
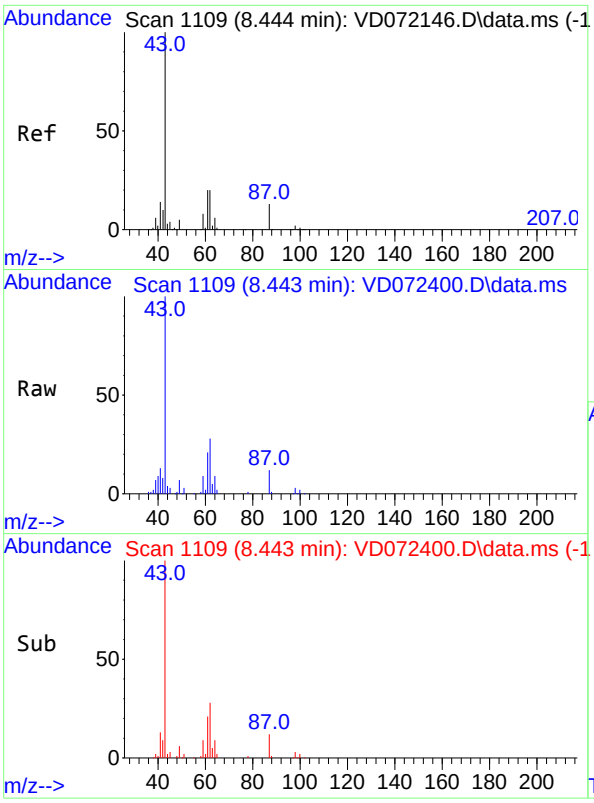


#42
1,2-Dichloroethane
Concen: 21.862 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 62 Resp: 121620

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.6





#43
Isopropyl Acetate
Concen: 24.147 ug/l
RT: 8.443 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 13197

Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.4	33.6
87	11.6	8.7	13.1

Instrument :
MSVOA_D
ClientSampleId :
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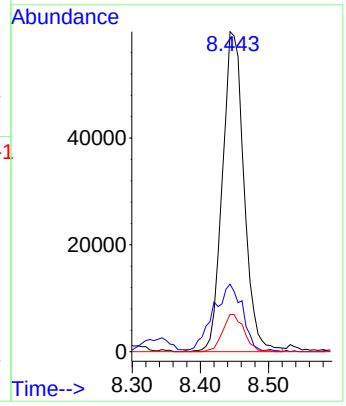
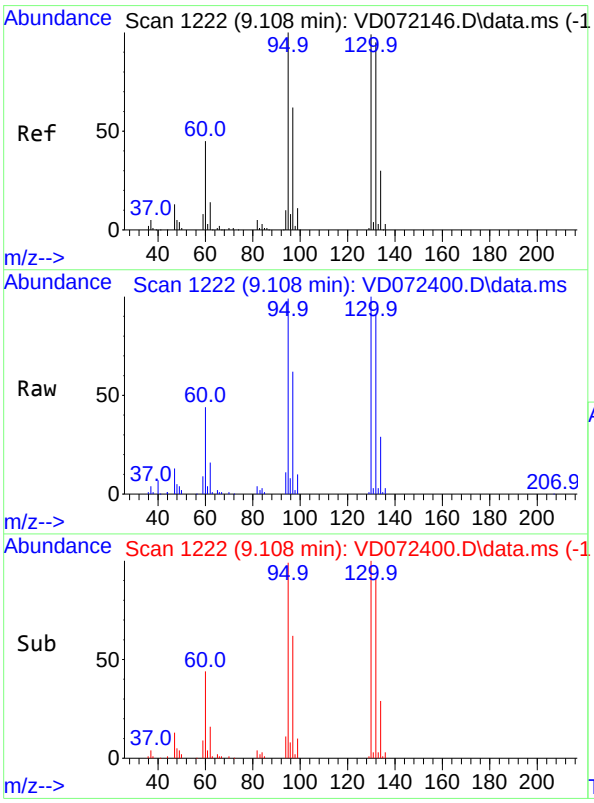
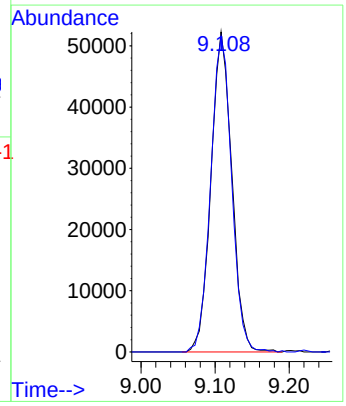


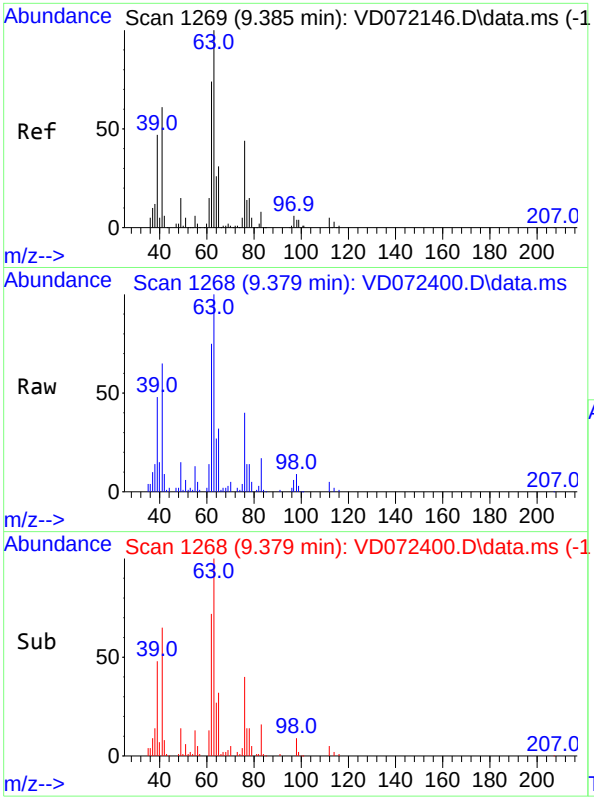


#44
Trichloroethene
Concen: 19.823 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:130 Resp: 102056

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	205.4

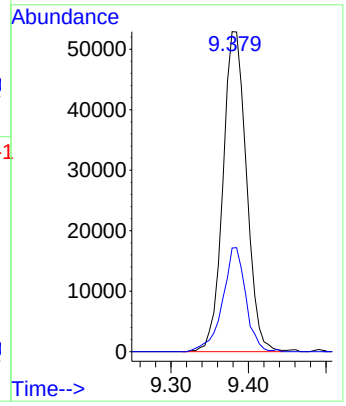




#45
1,2-Dichloropropane
Concen: 22.188 ug/l
RT: 9.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 63 Resp: 11159

Ion	Ratio	Lower	Upper
63	100		
65	32.4	26.2	39.4



Instrument :
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ClientSampleId :
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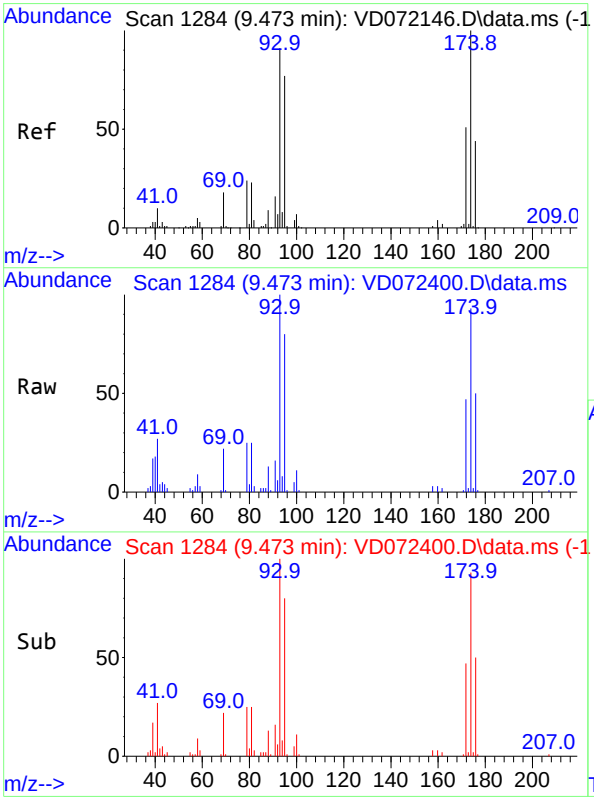
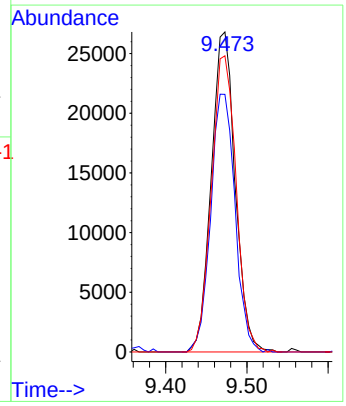
Supervised By :Mahesh Dadoda 03/25/2022

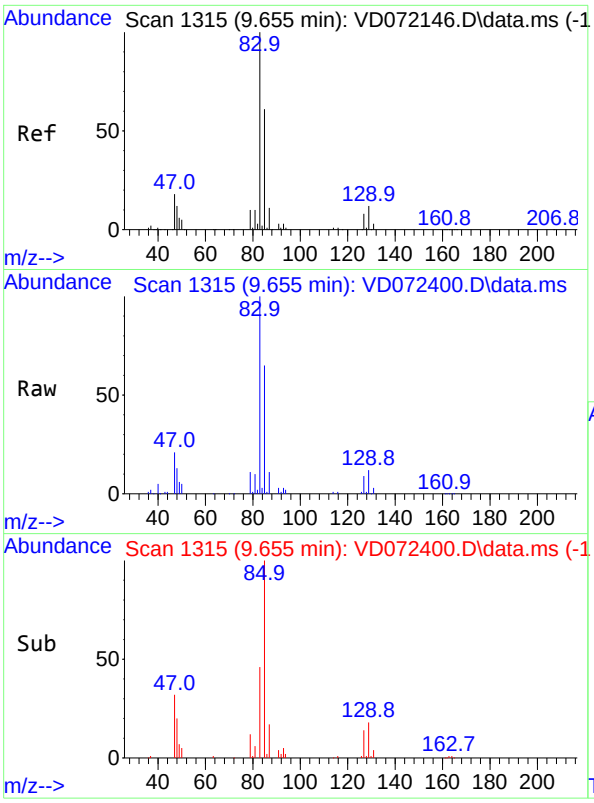


#46
Dibromomethane
Concen: 22.176 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 93 Resp: 54863

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.7	100.1
174	95.7	71.6	107.4

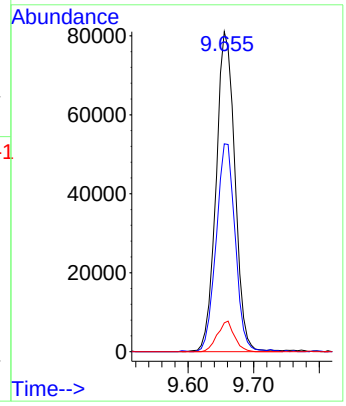




#47
Bromodichloromethane
Concen: 22.384 ug/l
RT: 9.655 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 83 Resp: 16143

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.0
127	9.0	6.1	9.1



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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Reviewed By :John Carlone 03/25/2022
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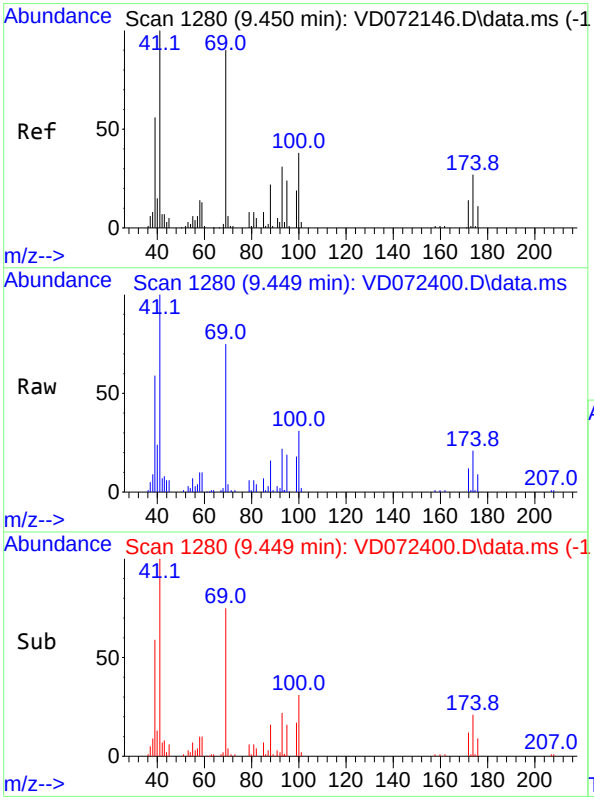
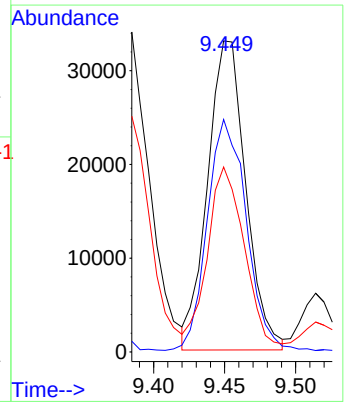
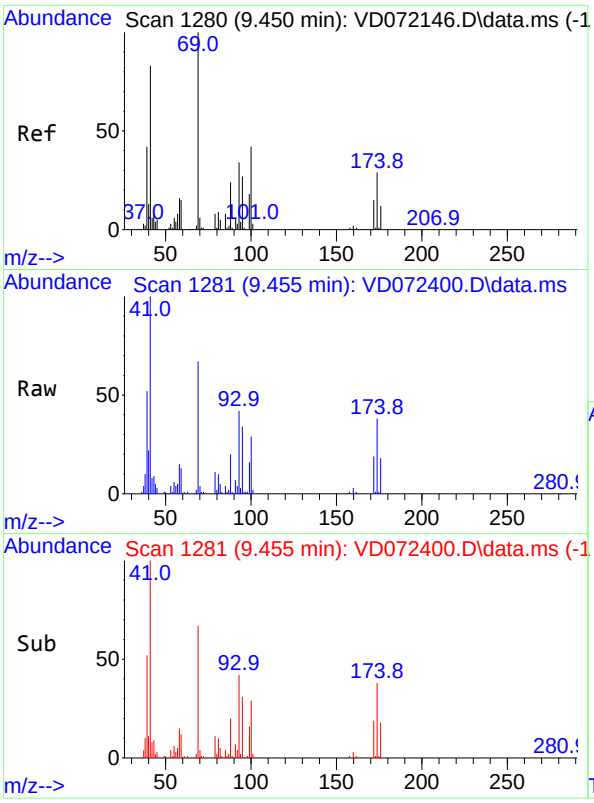


#48
Methyl methacrylate
Concen: 23.624 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 41 Resp: 61651

Ion	Ratio	Lower	Upper
41	100		
69	78.2	56.7	85.1
39	59.1	42.7	64.1

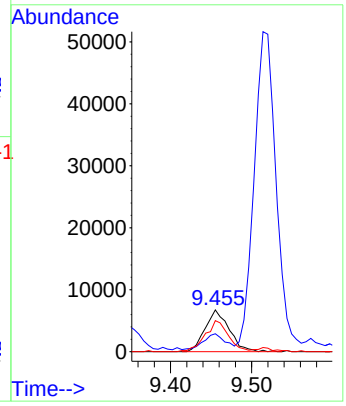




#49
1,4-Dioxane
Concen: 467.645 ug/l
RT: 9.455 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 88 Resp: 1387

Ion	Ratio	Lower	Upper
88	100		
43	33.3	31.0	46.4
58	71.5	58.1	87.1



Instrument :
MSVOA_D
ClientSampleId :
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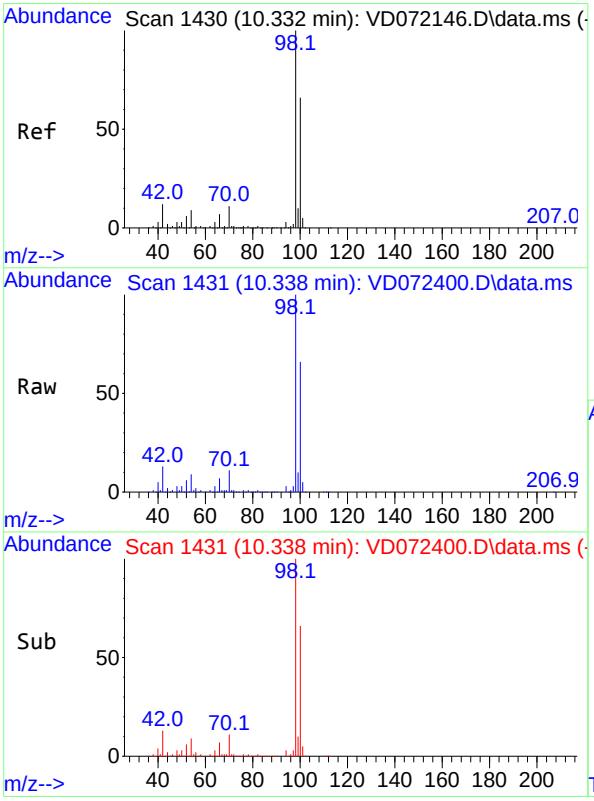
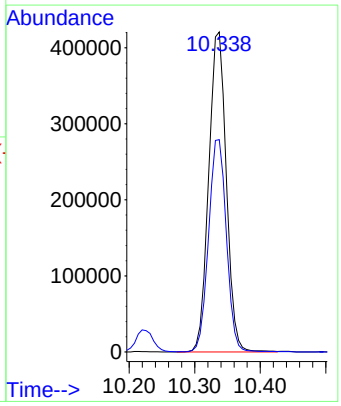
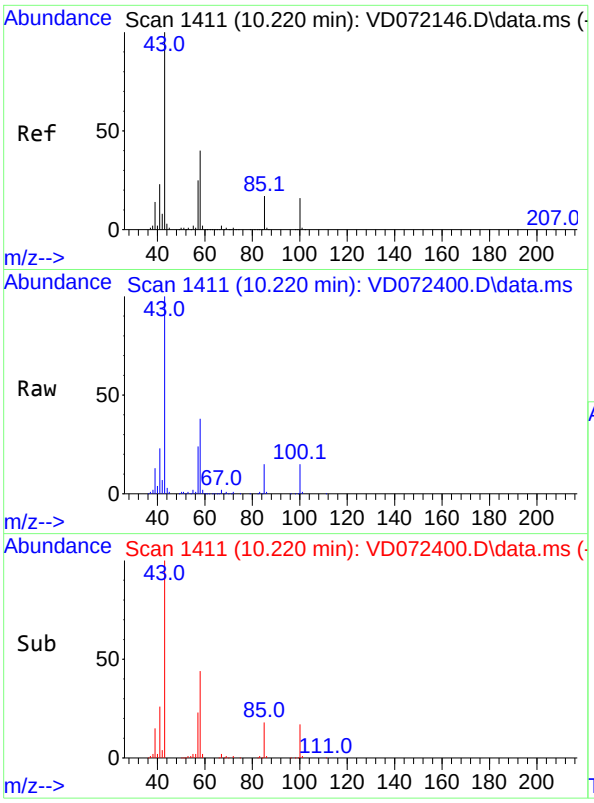


#50
Toluene-d8
Concen: 46.806 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 98 Resp: 784223

Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.4	78.6





#51
4-Methyl-2-Pentanone
Concen: 122.696 ug/l
RT: 10.220 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 35220

Ion	Ratio	Lower	Upper
43	100		
58	38.5	28.6	43.0

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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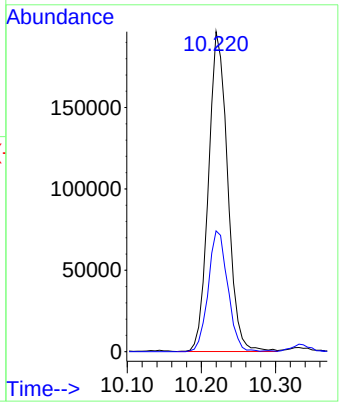
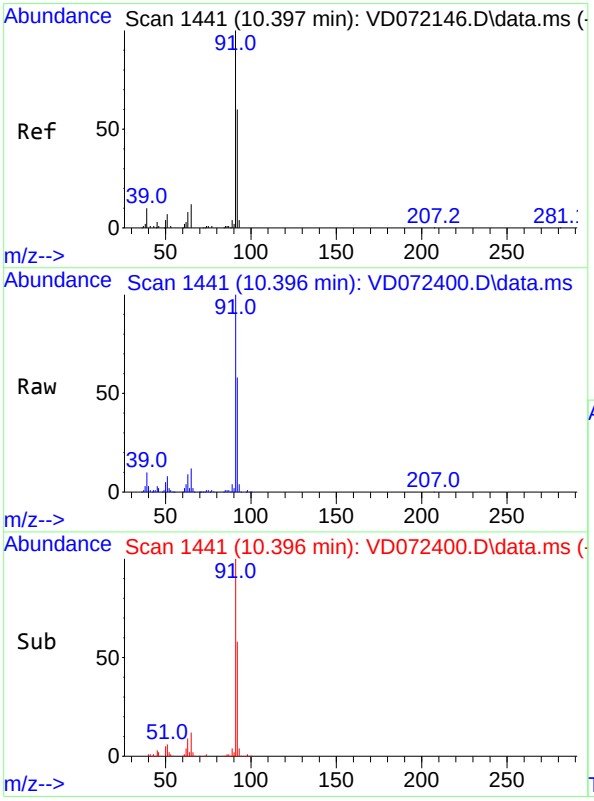
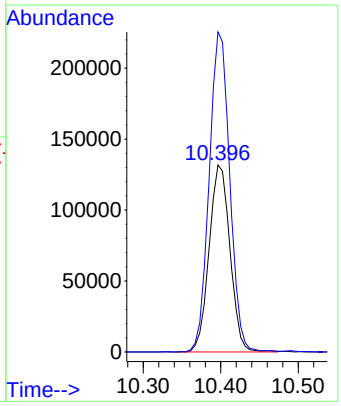


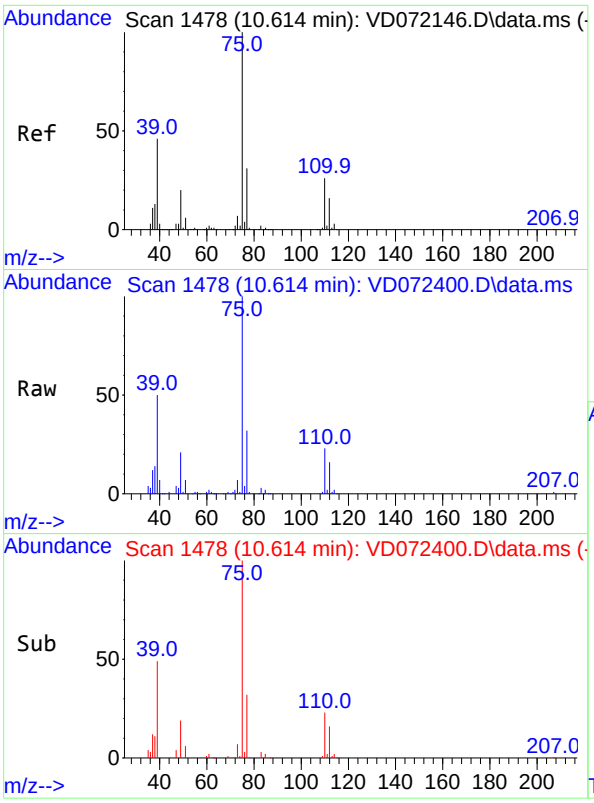


#52
Toluene
Concen: 20.420 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 92 Resp: 246412

Ion	Ratio	Lower	Upper
92	100		
91	168.6	139.6	209.4





#53
t-1,3-Dichloropropene
Concen: 21.501 ug/l
RT: 10.614 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 14168

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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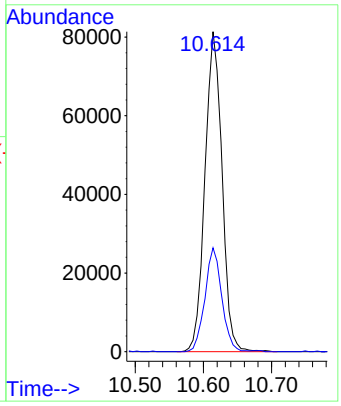
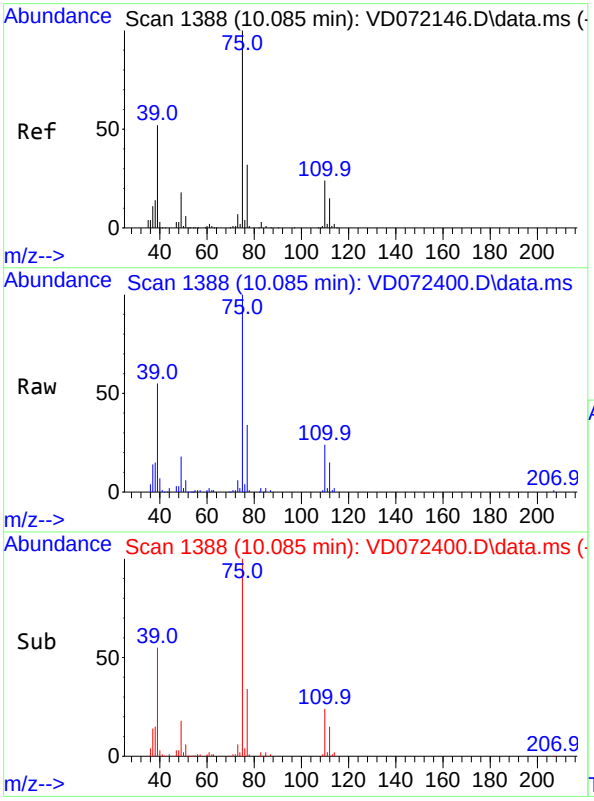
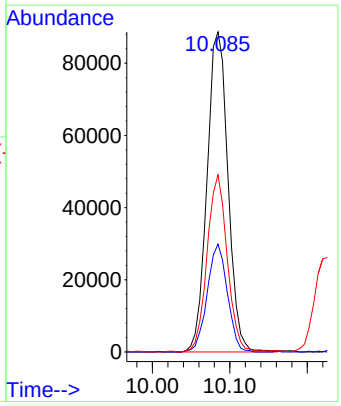


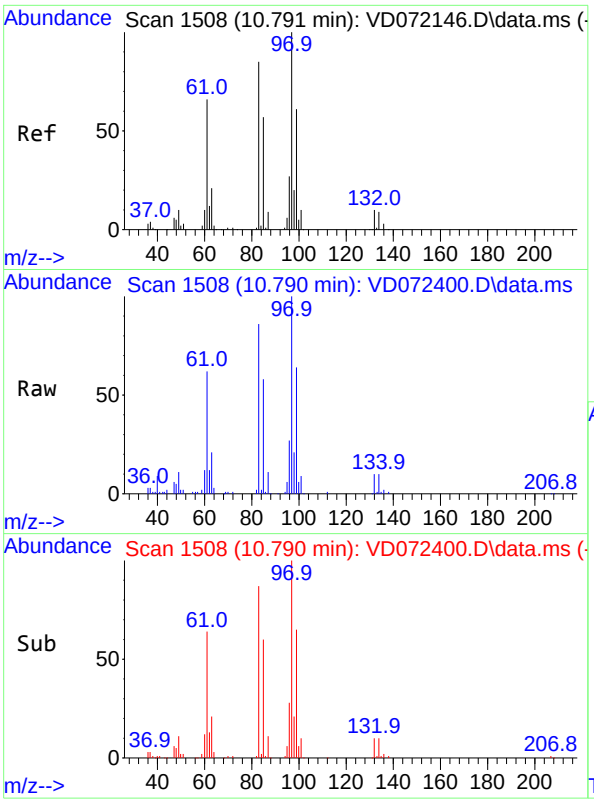


#54
cis-1,3-Dichloropropene
Concen: 21.845 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 166407

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.8	37.2
39	55.4	46.8	70.2

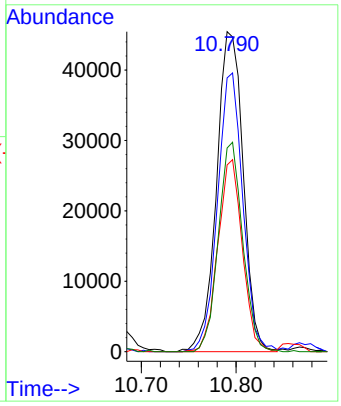




#55
1,1,2-Trichloroethane
Concen: 23.559 ug/l
RT: 10.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 97 Resp: 8879

Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.0	103.4
85	58.3	42.6	63.8
99	63.6	51.7	77.5



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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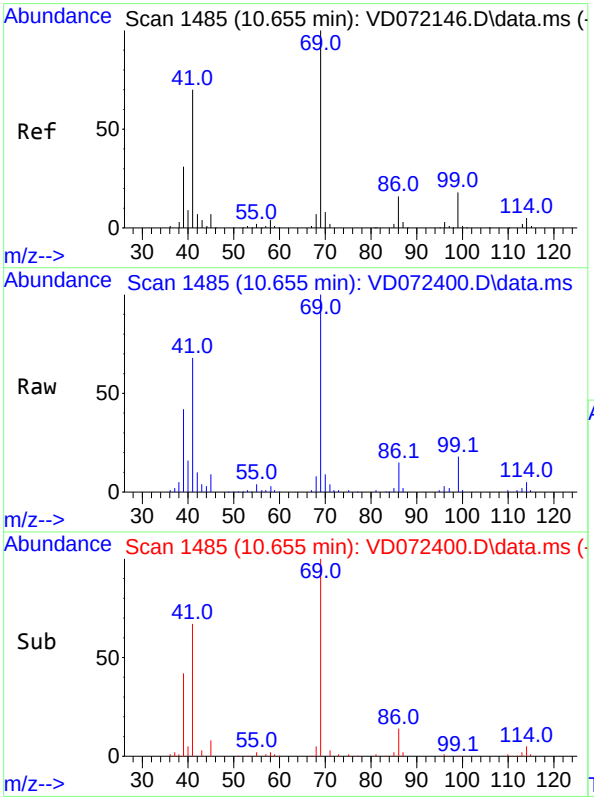
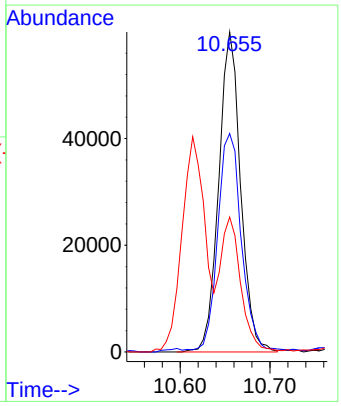
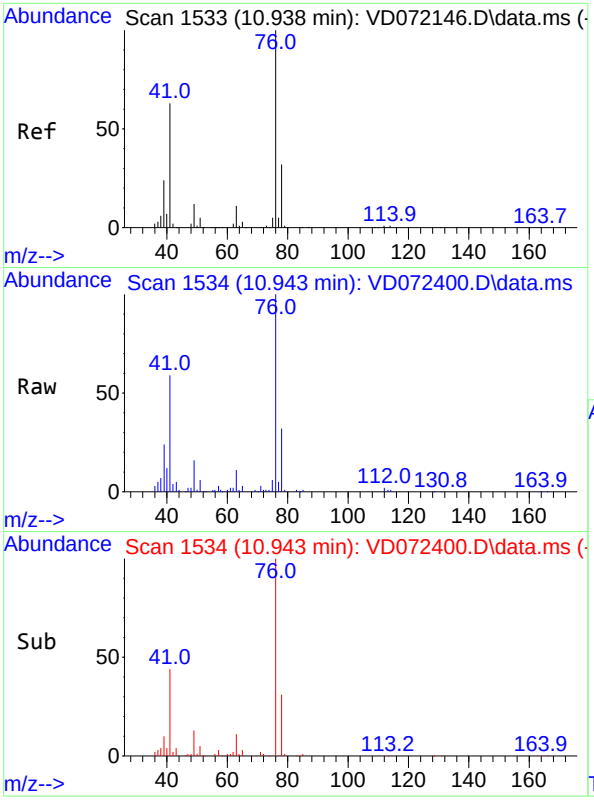


#56
Ethyl methacrylate
Concen: 23.008 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 69 Resp: 101567

Ion	Ratio	Lower	Upper
69	100		
41	73.2	63.0	94.6
39	38.2	33.8	50.8





#57
1,3-Dichloropropane
Concen: 22.688 ug/l
RT: 10.943 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 76 Resp: 14350

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.0	39.0

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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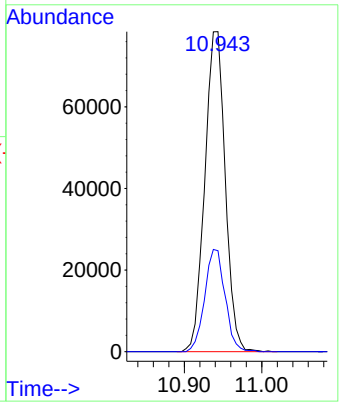
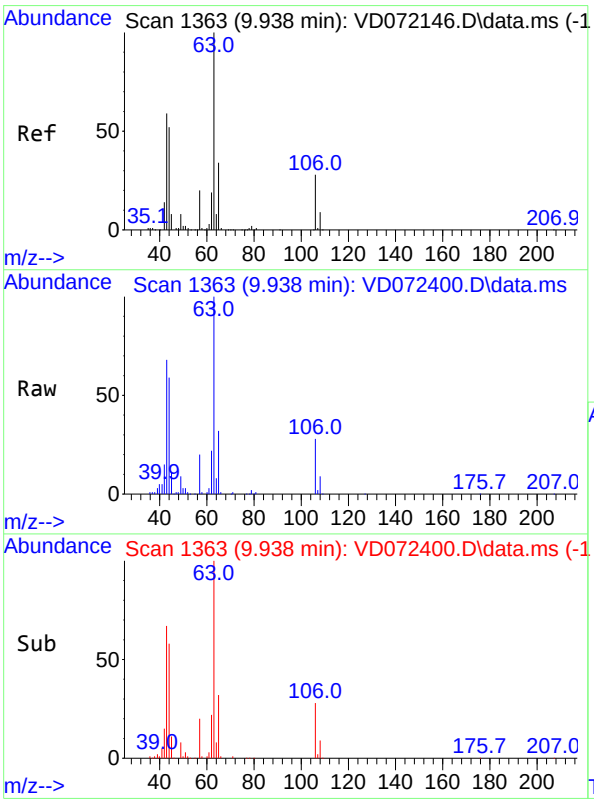
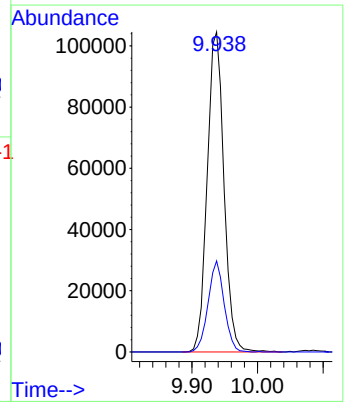


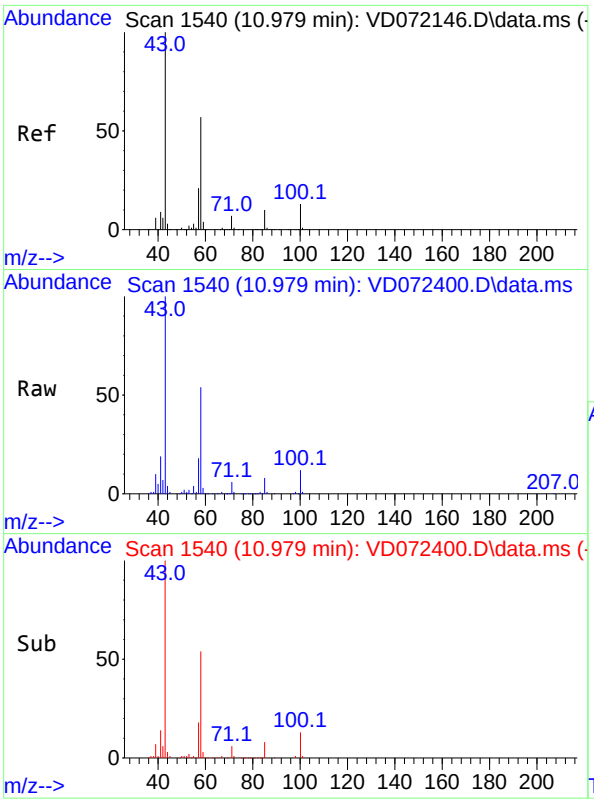


#58
2-Chloroethyl Vinyl ether
Concen: 93.464 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 63 Resp: 185510

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.4	32.0





#59
2-Hexanone
Concen: 122.532 ug/l
RT: 10.979 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 24293

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.3	75.9

Instrument :
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ClientSampleId :
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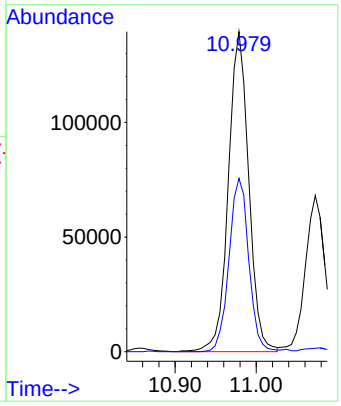
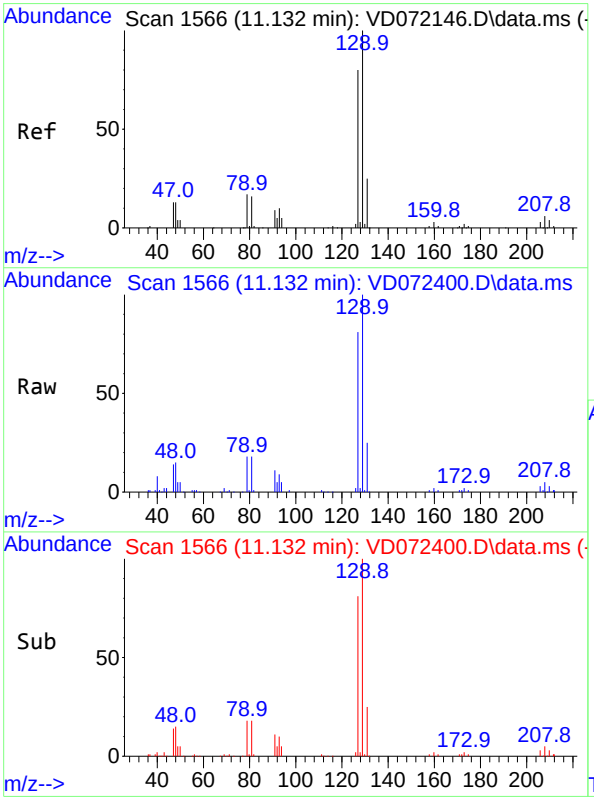
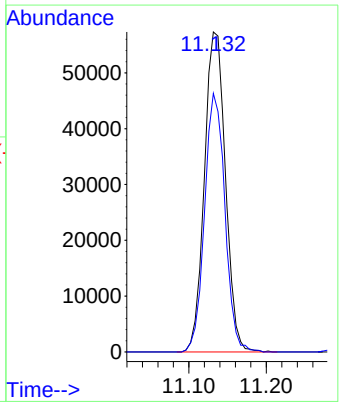


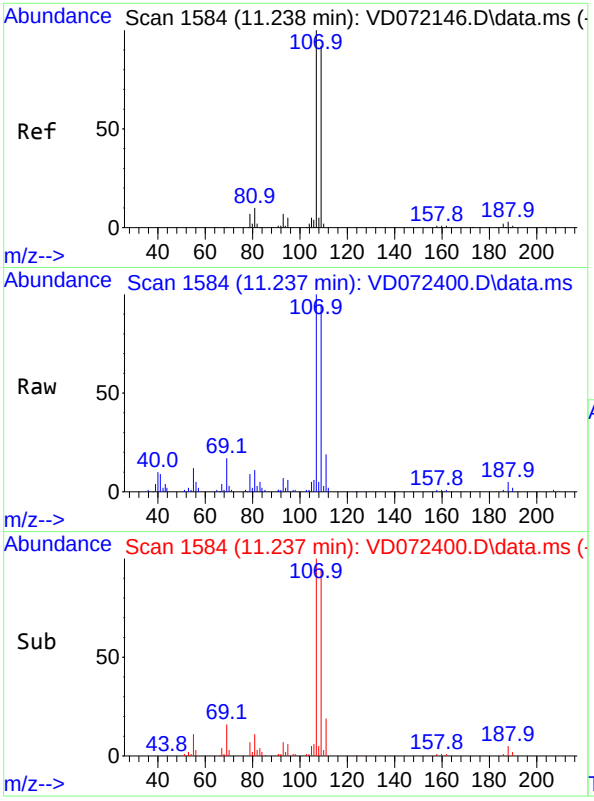


#60
Dibromochloromethane
Concen: 22.185 ug/l
RT: 11.132 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:129 Resp: 108494

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.2	117.6

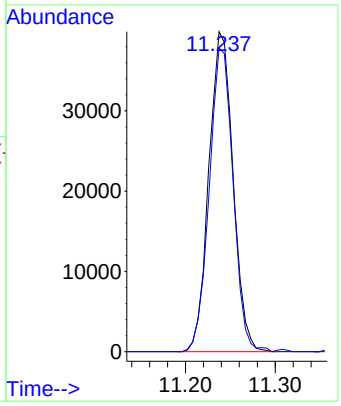




#61
1,2-Dibromoethane
Concen: 21.871 ug/l
RT: 11.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:107 Resp: 7448

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.2	111.4



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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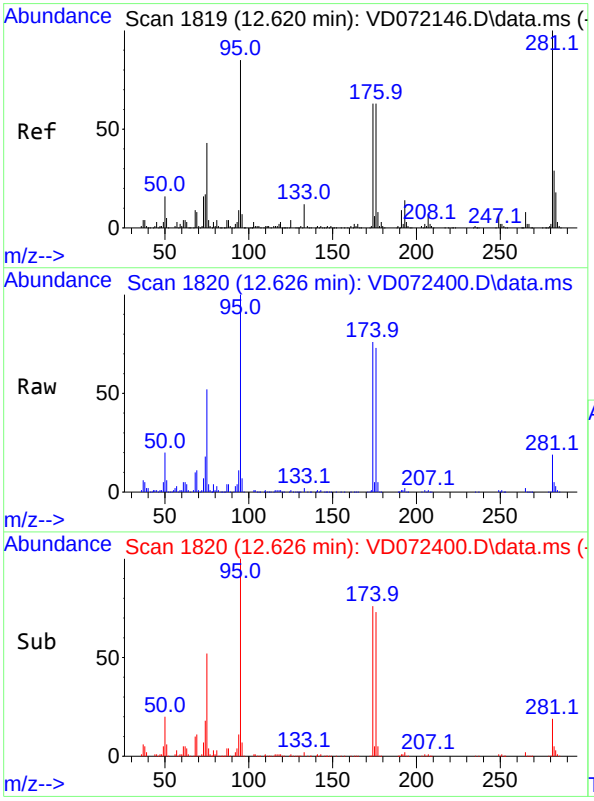
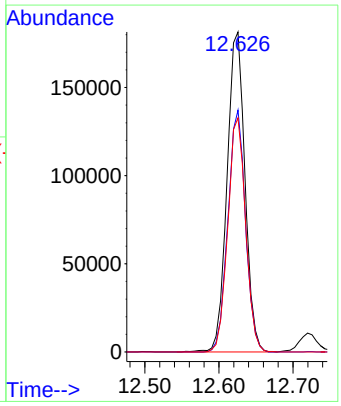
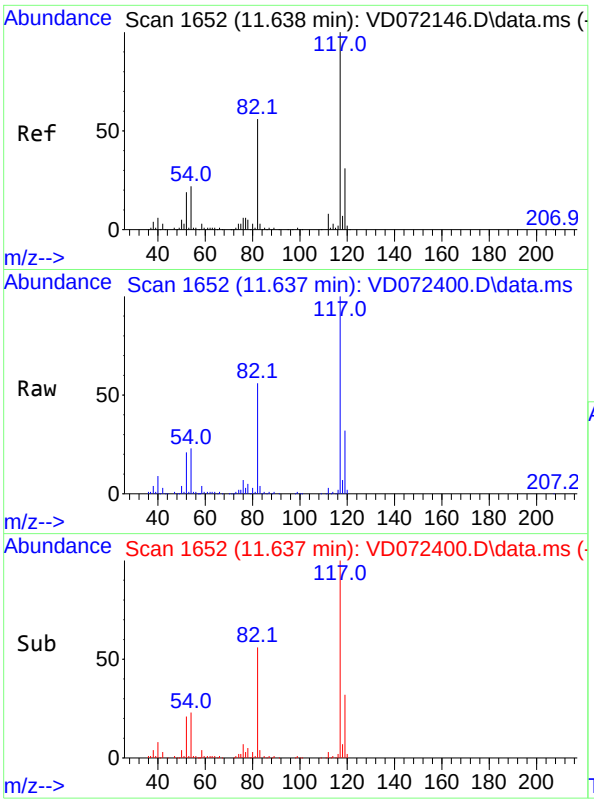


#62
4-Bromofluorobenzene
Concen: 46.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 95 Resp: 303830

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	152.8
176	72.7	0.0	145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:117 Resp: 59479

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.3	67.9
119	31.9	26.6	40.0

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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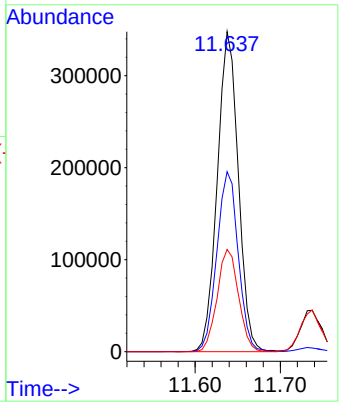
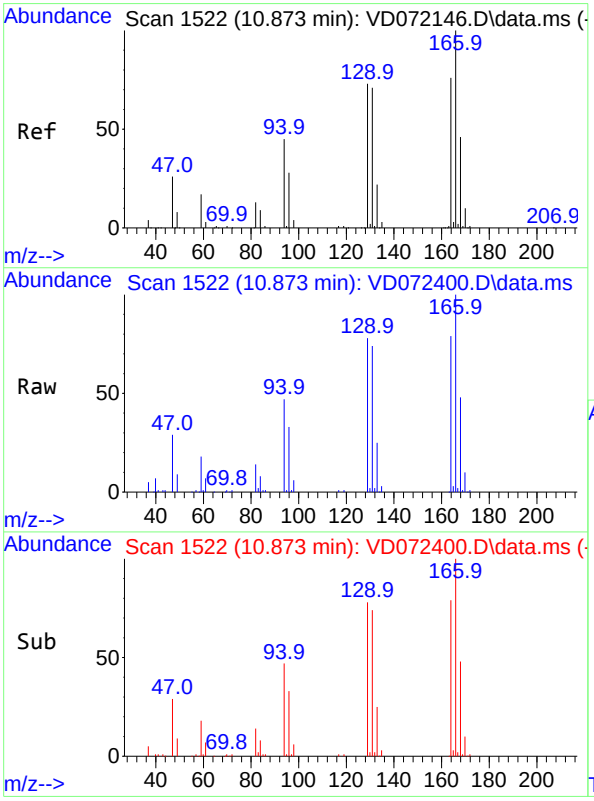
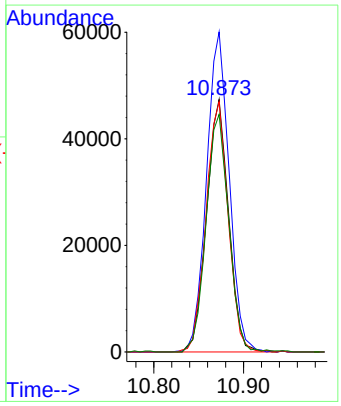


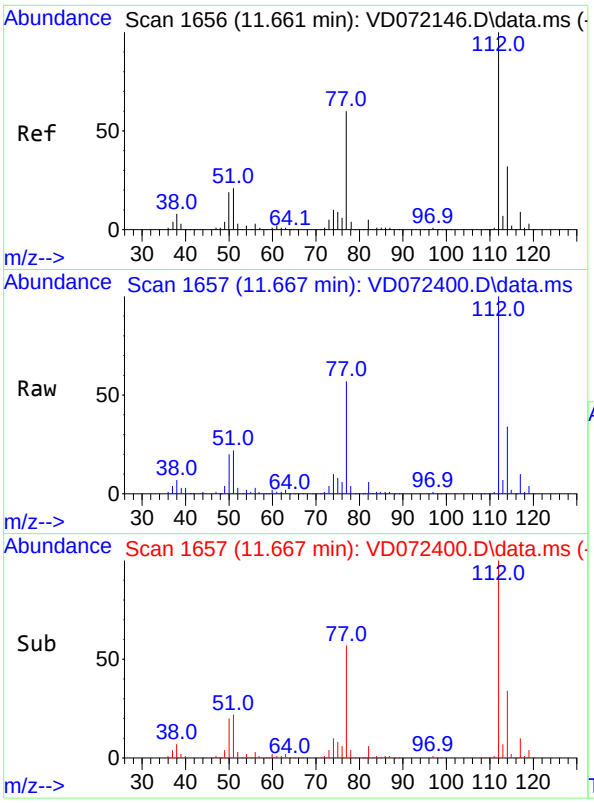


#64
Tetrachloroethene
Concen: 19.336 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:164 Resp: 81035

Ion	Ratio	Lower	Upper
164	100		
166	126.7	98.5	147.7
129	99.1	74.6	111.8
131	94.1	72.0	108.0

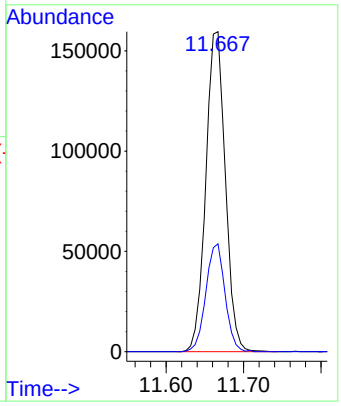




#65
Chlorobenzene
Concen: 21.209 ug/l
RT: 11.667 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:112 Resp: 27966

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.8	38.6



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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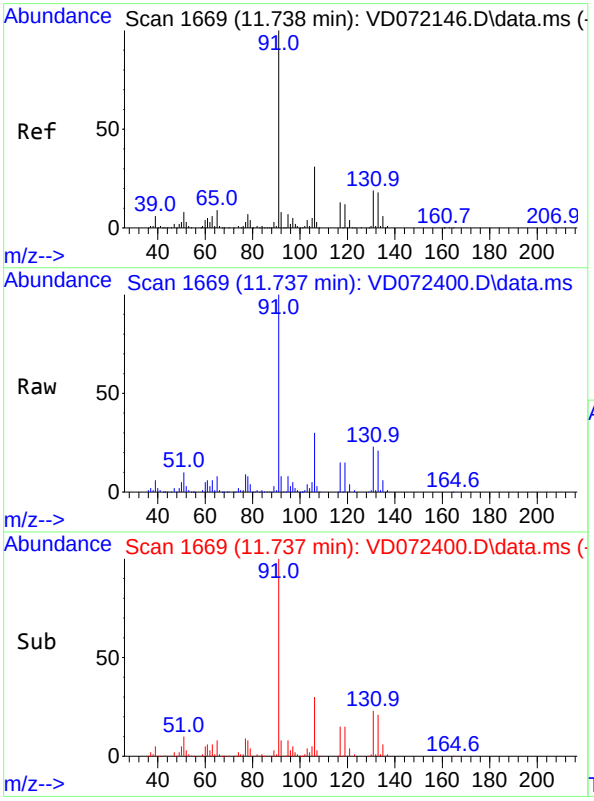
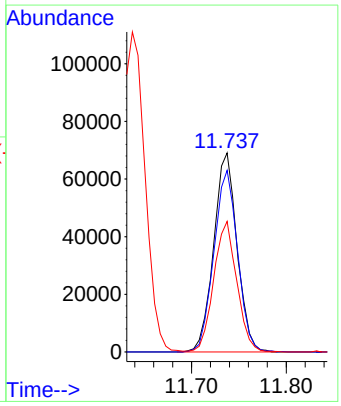
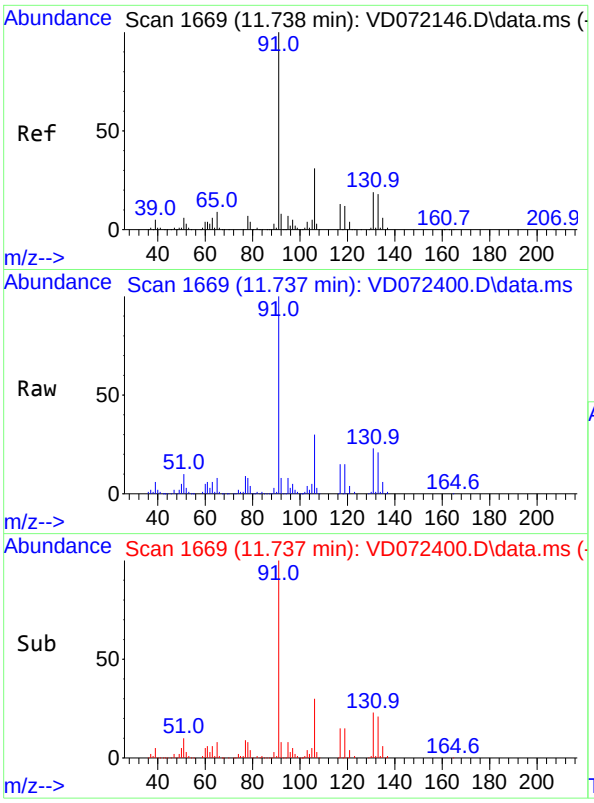


#66
1,1,1,2-Tetrachloroethane
Concen: 22.694 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:131 Resp: 118335

Ion	Ratio	Lower	Upper
131	100		
133	92.7	48.1	144.3
119	65.0	31.9	95.9

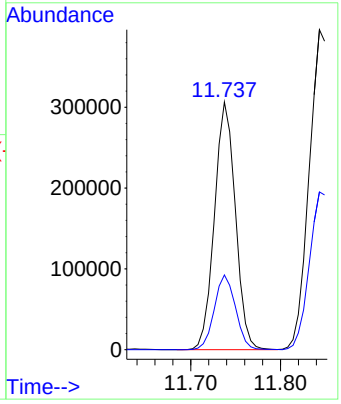




#67
Ethyl Benzene
Concen: 21.098 ug/l
RT: 11.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 91 Resp: 49688

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4



Instrument :
MSVOA_D
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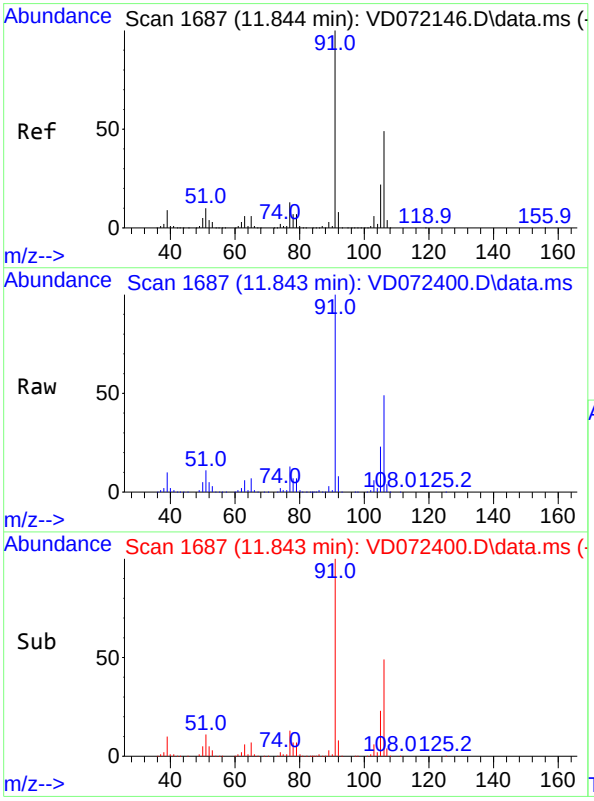
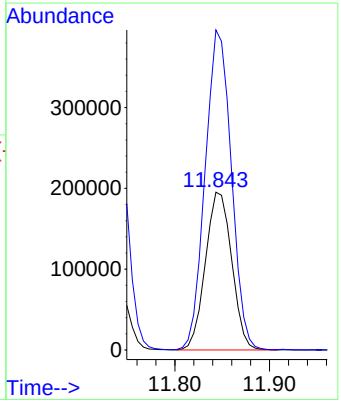
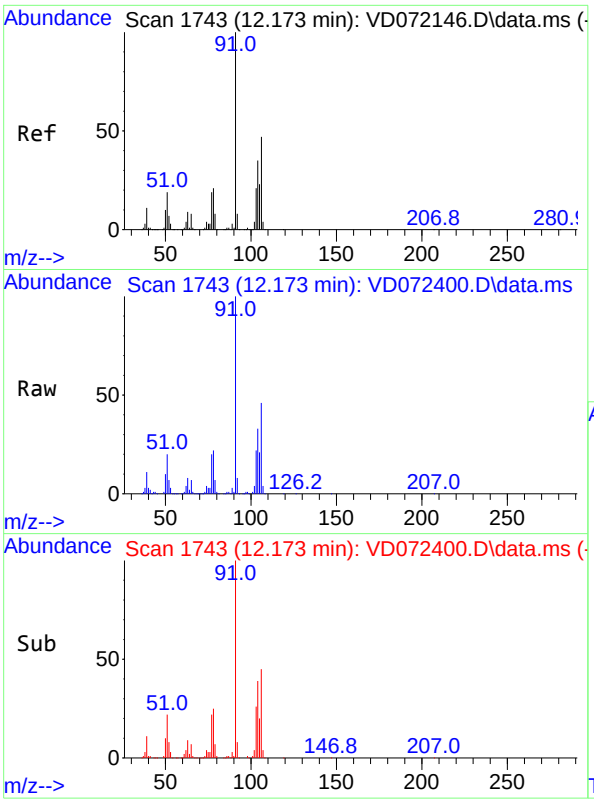


#68
m/p-Xylenes
Concen: 42.086 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:106 Resp: 376368

Ion	Ratio	Lower	Upper
106	100		
91	201.6	163.7	245.5





#69
o-Xylene
Concen: 21.376 ug/l
RT: 12.173 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:106 Resp: 18285

Ion	Ratio	Lower	Upper
106	100		
91	215.4	110.4	331.2

Instrument :
MSVOA_D
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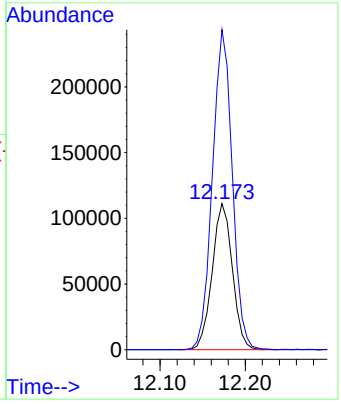
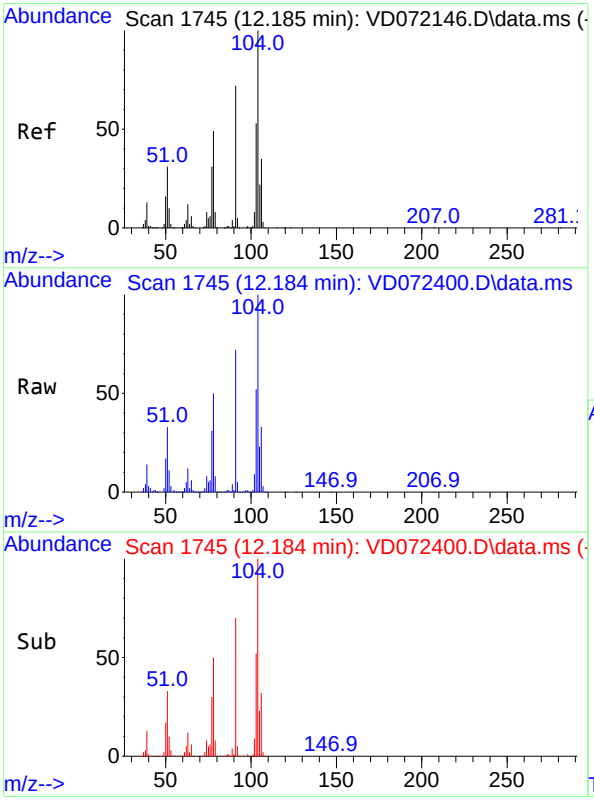
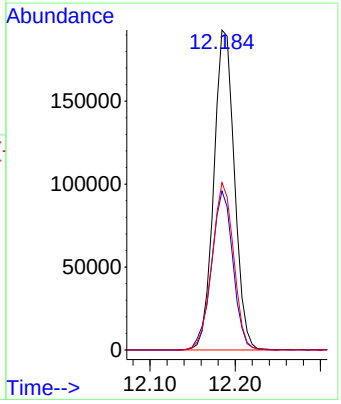


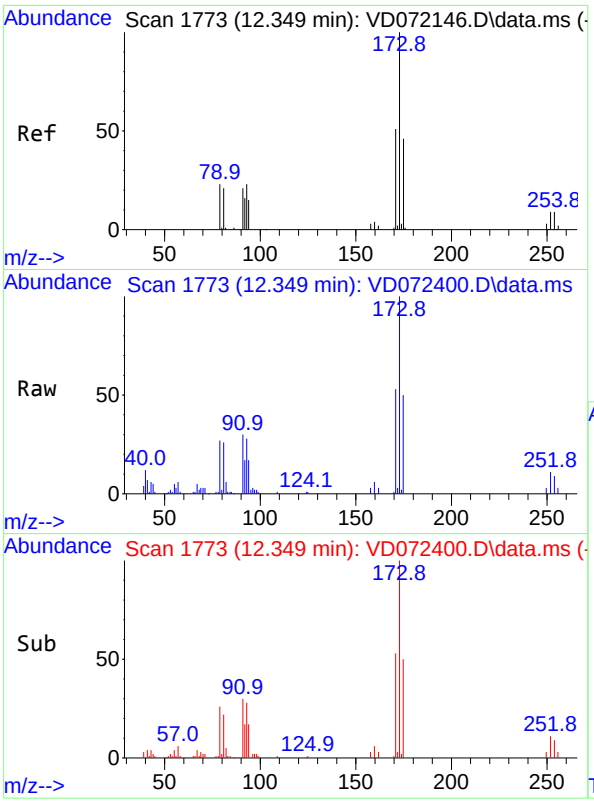


#70
Styrene
Concen: 21.746 ug/l
RT: 12.184 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:104 Resp: 324827

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.8	62.8
103	54.8	44.2	66.4

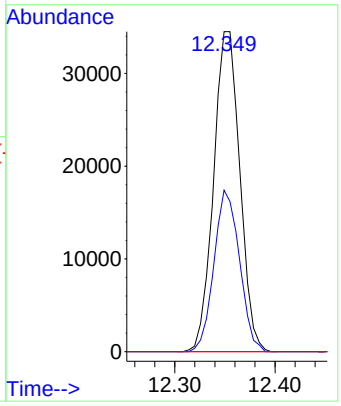




#71
Bromoform
Concen: 22.564 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:173 Resp: 6285

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.9	71.8
254	0.0	0.0	0.0



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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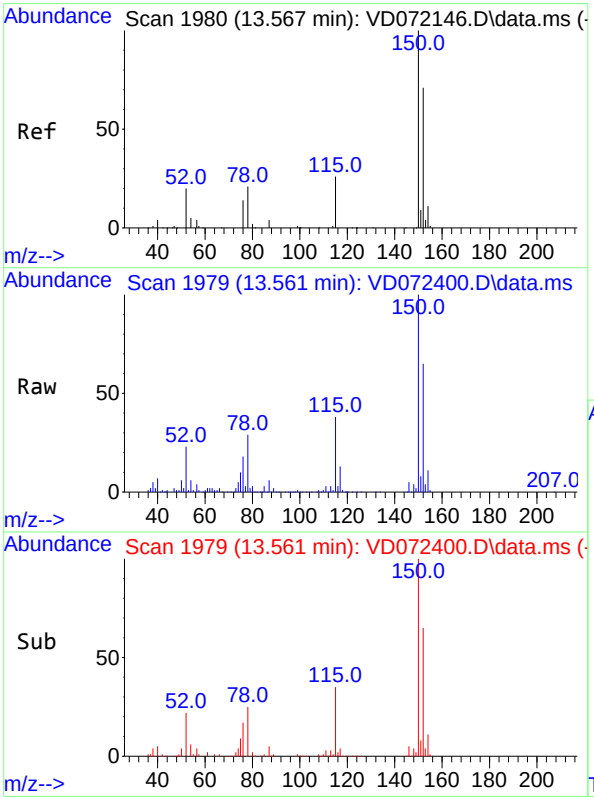
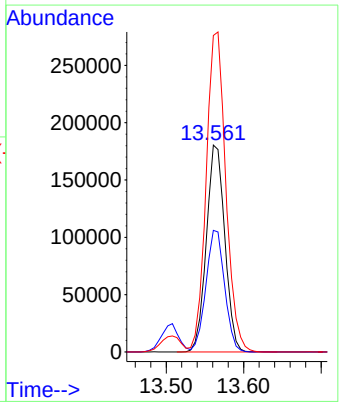
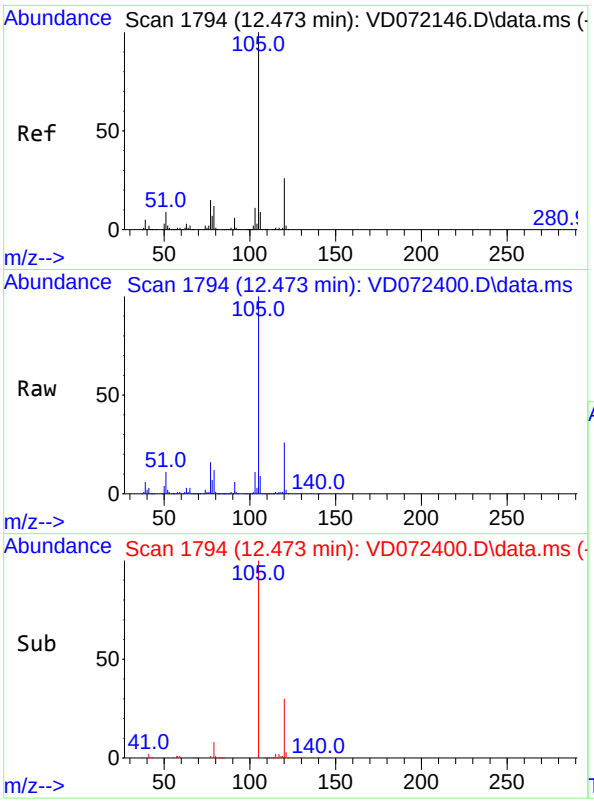


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:152 Resp: 299379

Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.3	93.8
150	164.5	0.0	348.6





#73
Isopropylbenzene
Concen: 22.004 ug/l
RT: 12.473 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:105 Resp: 52202

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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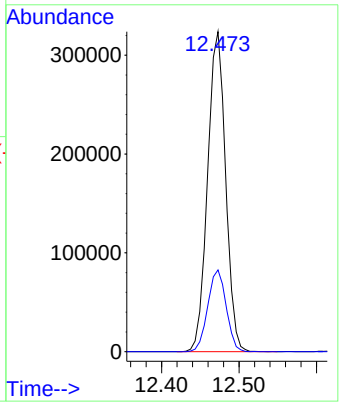
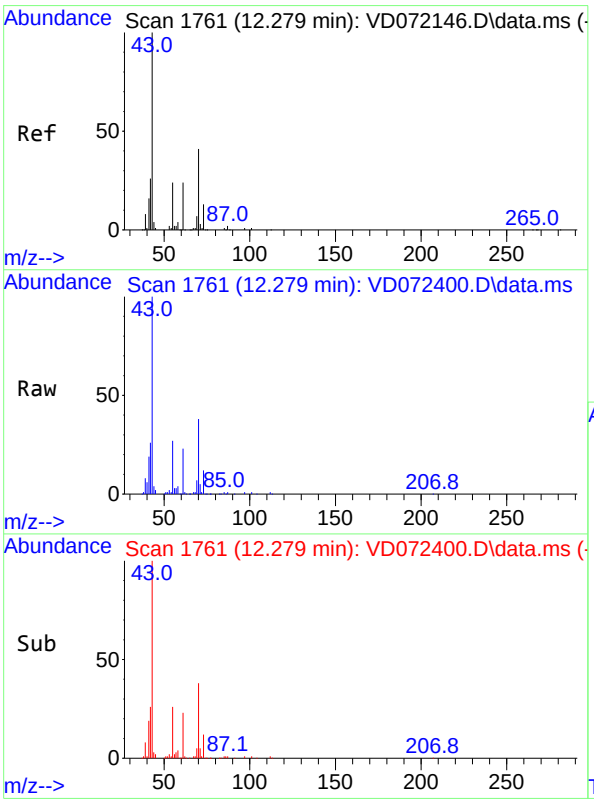
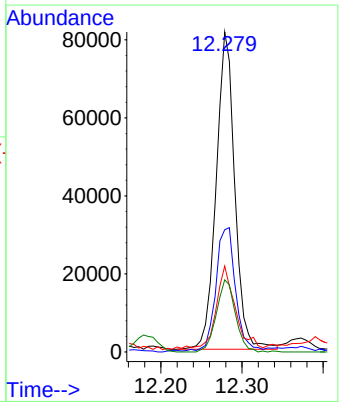


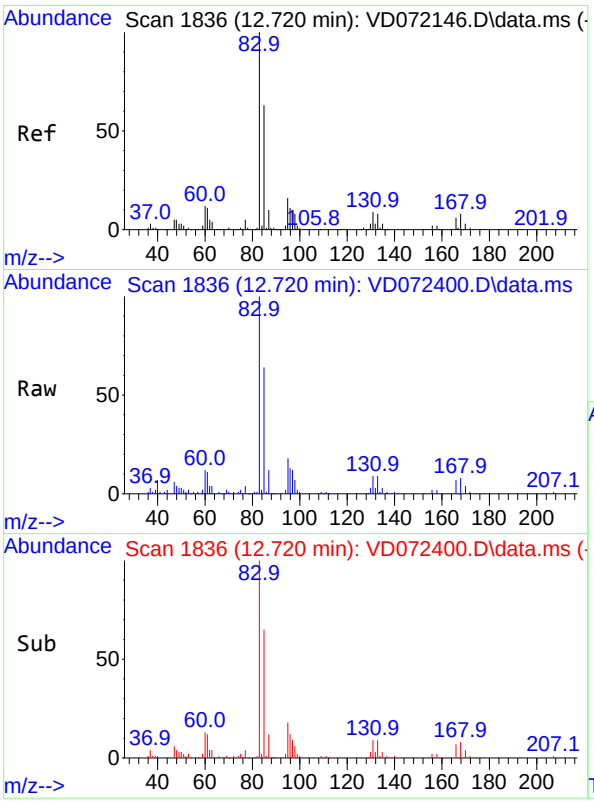


#74
N-amyl acetate
Concen: 25.513 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 43 Resp: 130077

Ion	Ratio	Lower	Upper
43	100		
70	40.7	31.3	46.9
55	28.9	20.0	30.0
61	23.1	17.8	26.8

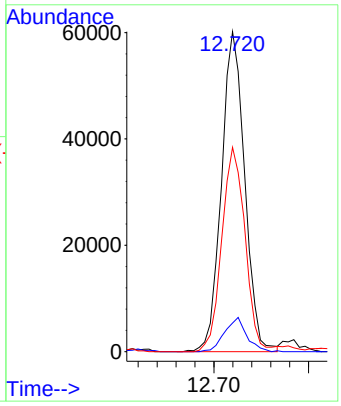




#75
1,1,2,2-Tetrachloroethane
Concen: 24.154 ug/l
RT: 12.720 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 83 Resp: 10248

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	63.8	32.6	98.0



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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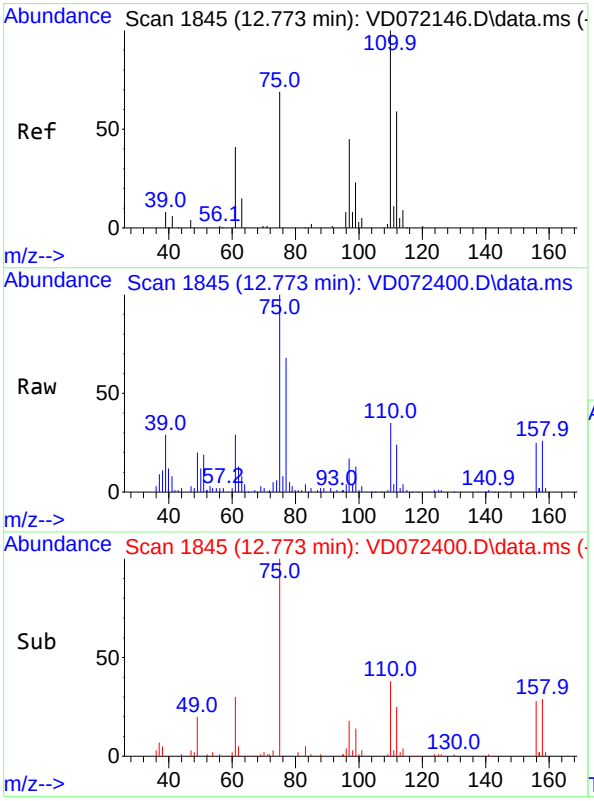
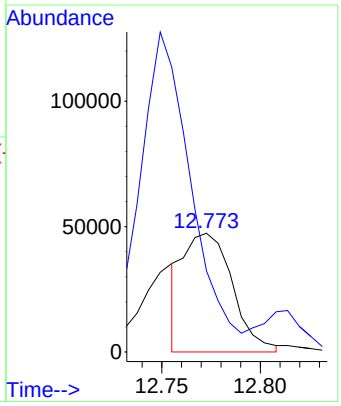
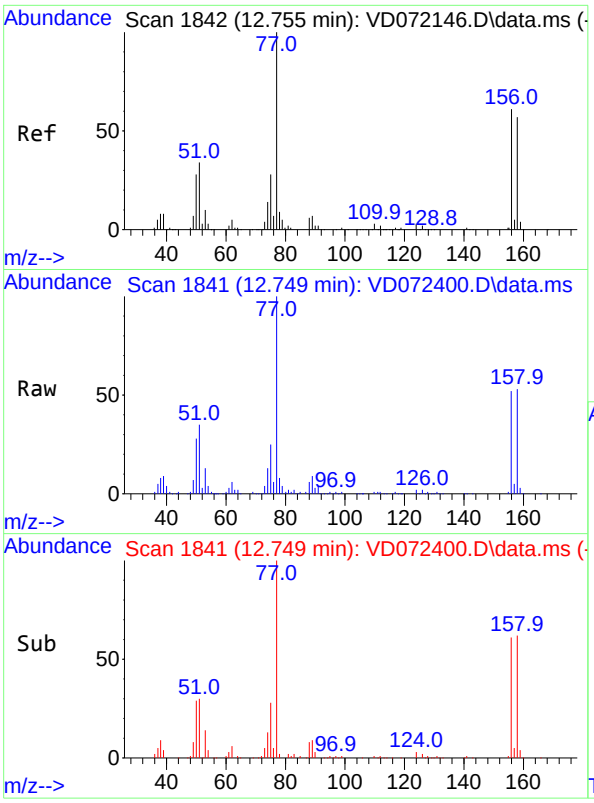


#76
1,2,3-Trichloropropane
Concen: 24.856 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 82086

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

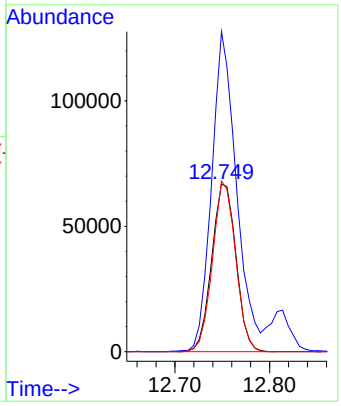




#77
Bromobenzene
Concen: 22.375 ug/l
RT: 12.749 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:156 Resp: 11947

Ion	Ratio	Lower	Upper
156	100		
77	194.5	102.8	308.3
158	96.6	48.7	146.1



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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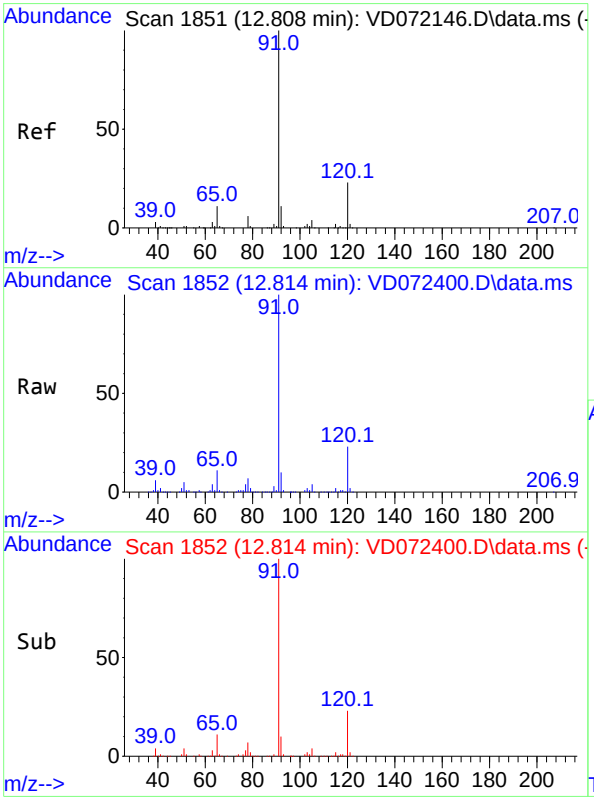
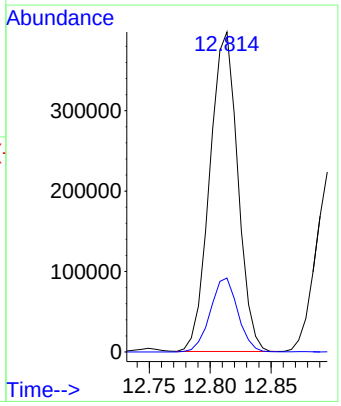
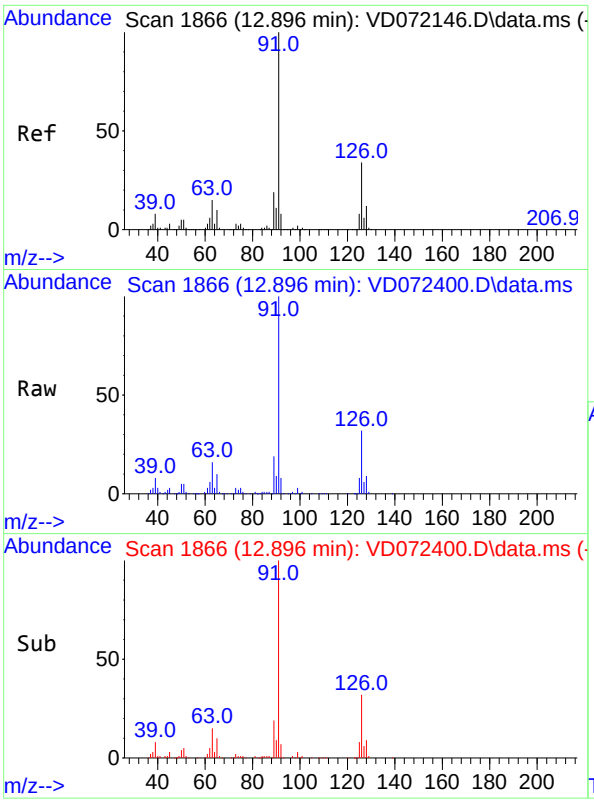


#78
n-propylbenzene
Concen: 22.083 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 91 Resp: 636372

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.9

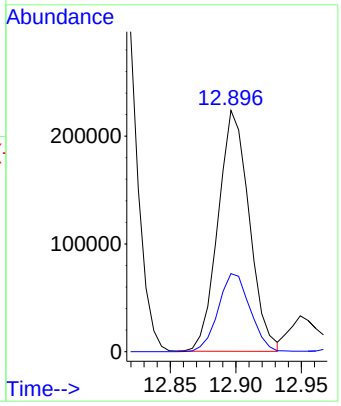




#79
2-Chlorotoluene
Concen: 22.196 ug/l
RT: 12.896 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 91 Resp: 36985

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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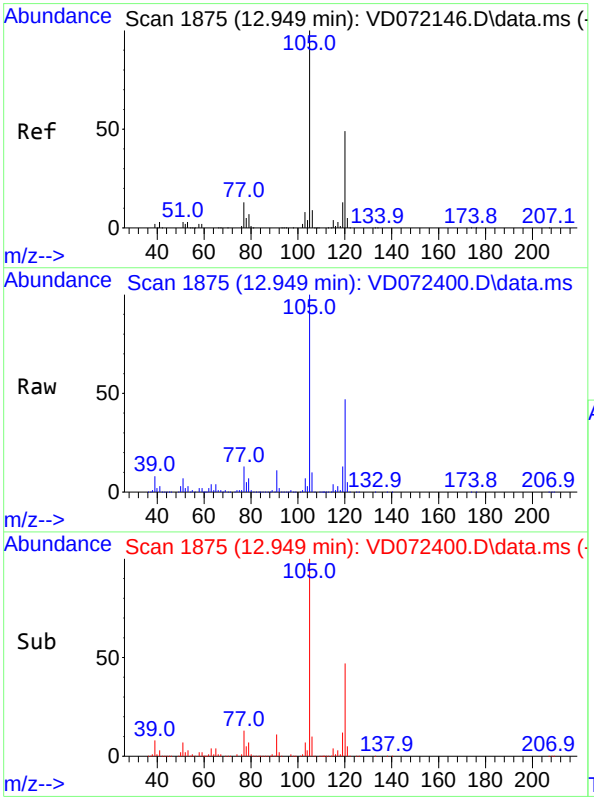
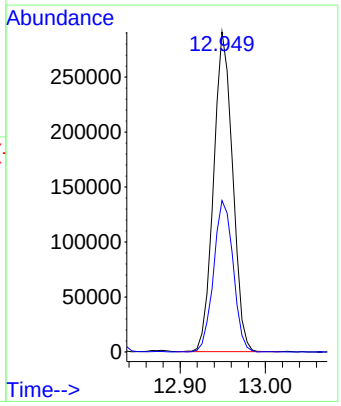
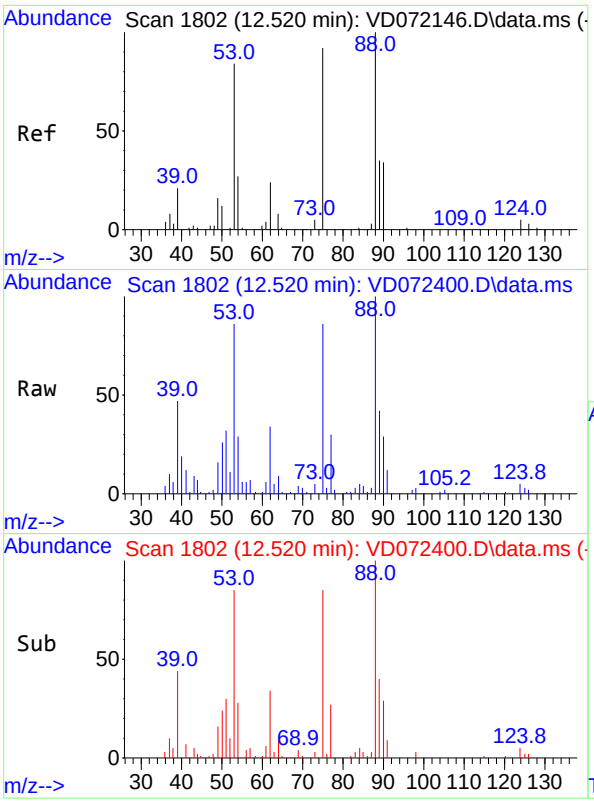


#80
1,3,5-Trimethylbenzene
Concen: 22.162 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:105 Resp: 451700

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 22.577 ug/l
RT: 12.520 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 3005

Ion	Ratio	Lower	Upper
75	100		
53	105.1	86.5	129.7
89	42.3	33.9	50.9

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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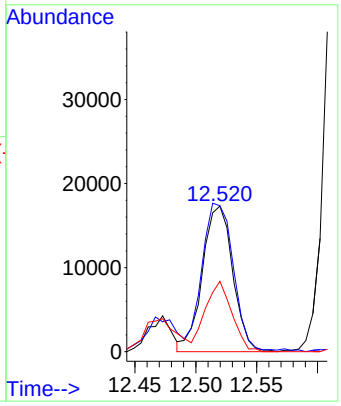
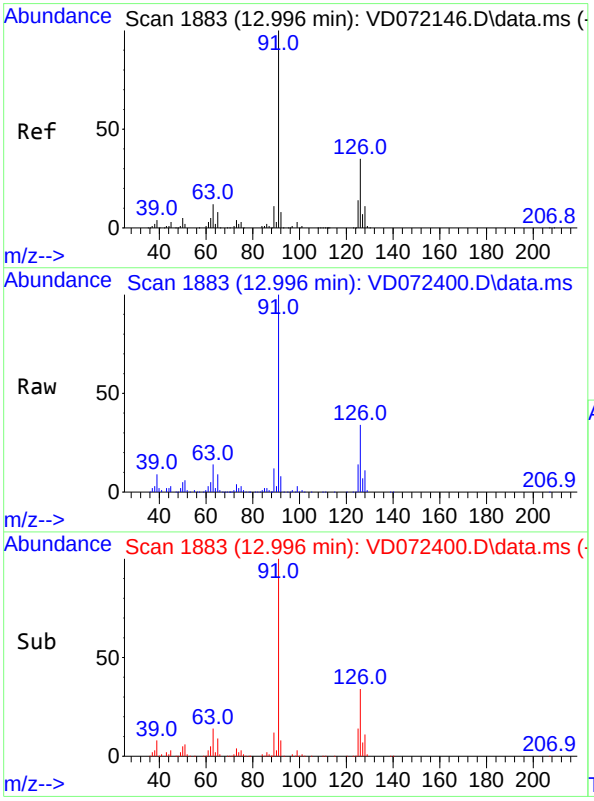
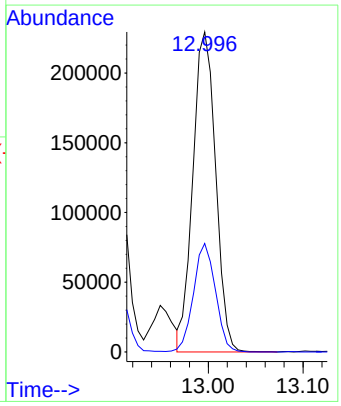


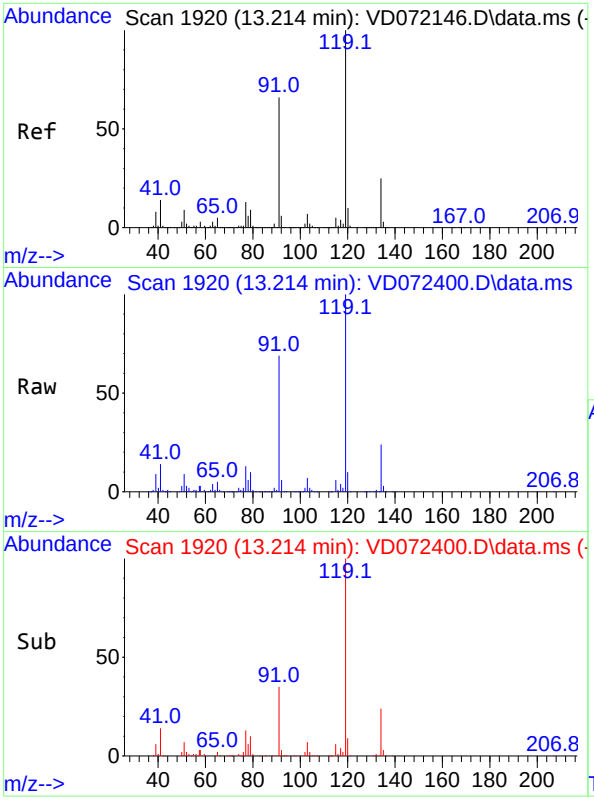


#82
4-Chlorotoluene
Concen: 22.231 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 91 Resp: 383567

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5

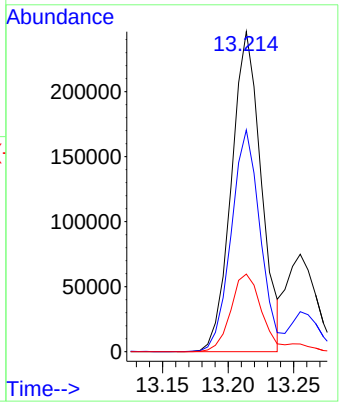




#83
tert-Butylbenzene
Concen: 21.725 ug/l
RT: 13.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:119 Resp: 38820

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.8	104.5
134	26.9	13.3	39.9



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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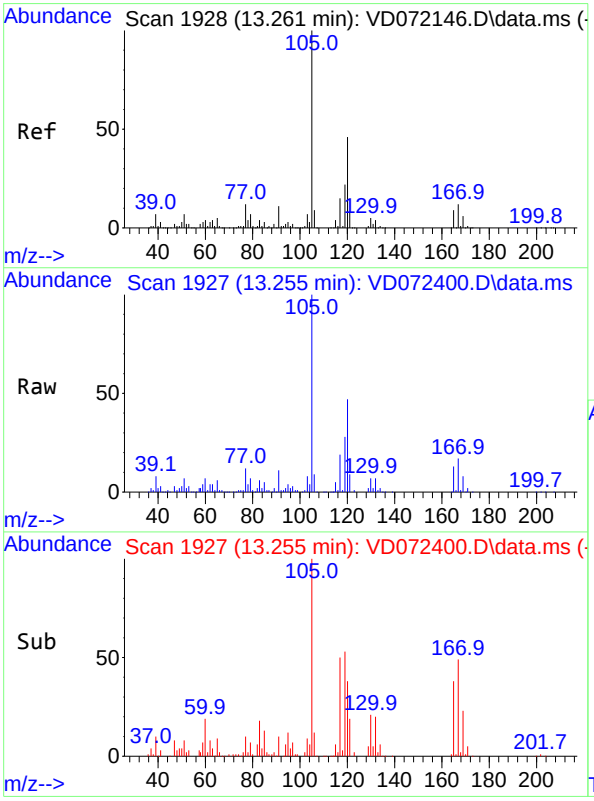
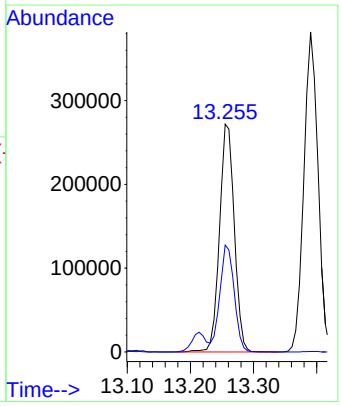
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/25/2022

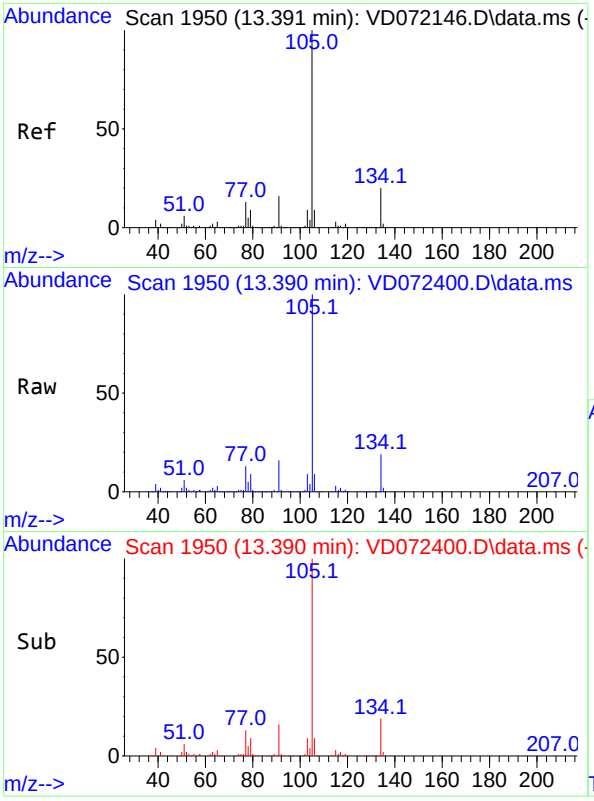


#84
1,2,4-Trimethylbenzene
Concen: 22.059 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:105 Resp: 442999

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85
sec-Butylbenzene
Concen: 22.125 ug/l
RT: 13.390 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:105 Resp: 59371

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.3

Instrument :
MSVOA_D
ClientSampleId :
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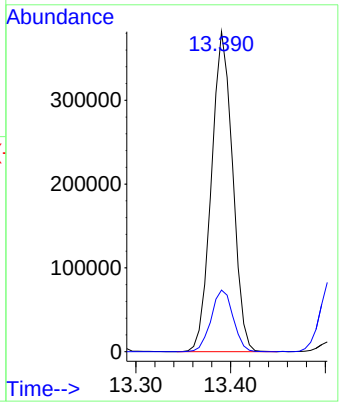
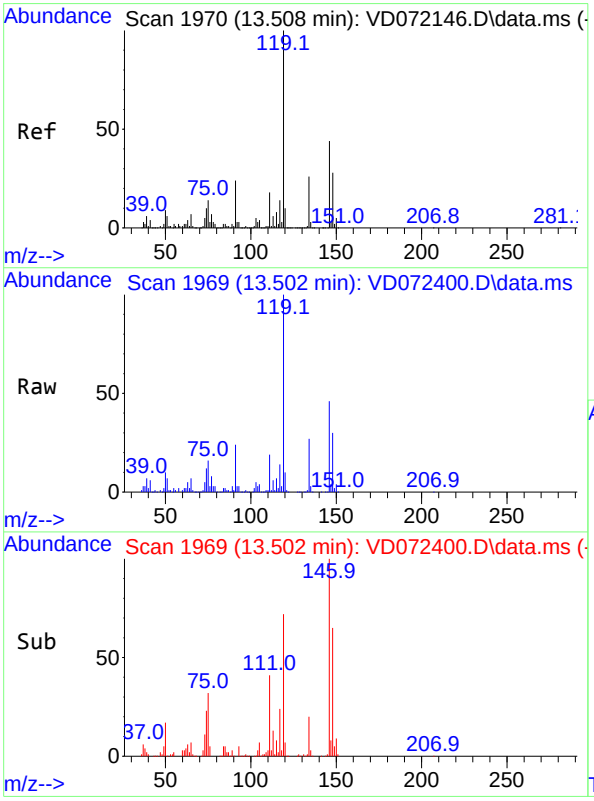
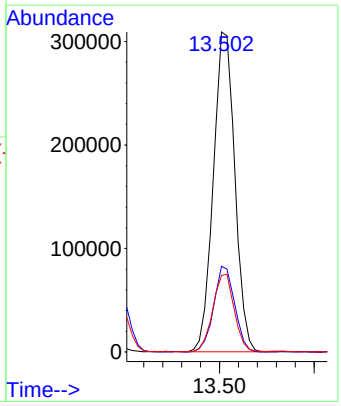


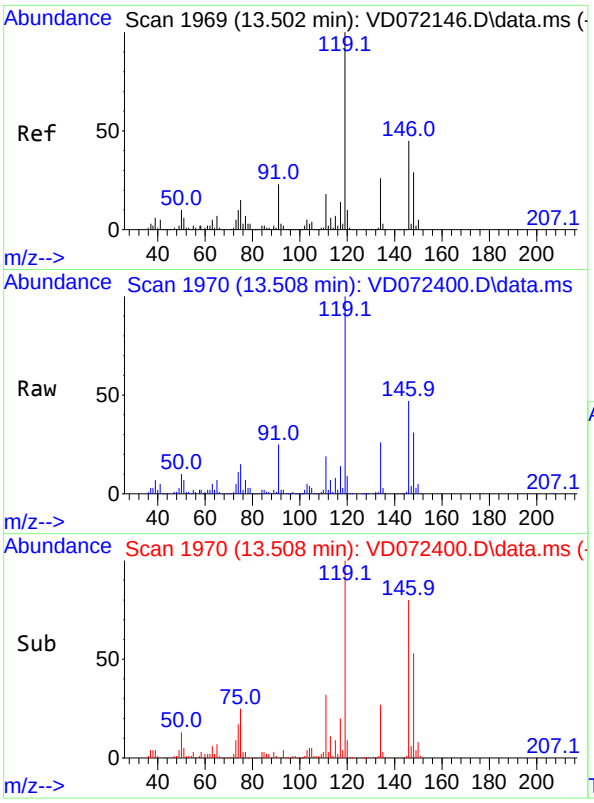


#86
p-Isopropyltoluene
Concen: 22.104 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:119 Resp: 488083

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.1	12.1	36.3

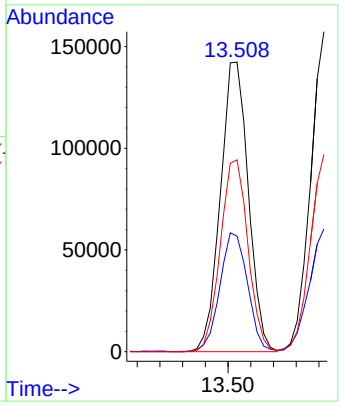




#87
1,3-Dichlorobenzene
Concen: 21.749 ug/l
RT: 13.508 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:146 Resp: 24339

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	65.6	31.9	95.7



Instrument :
MSVOA_D
ClientSampleId :
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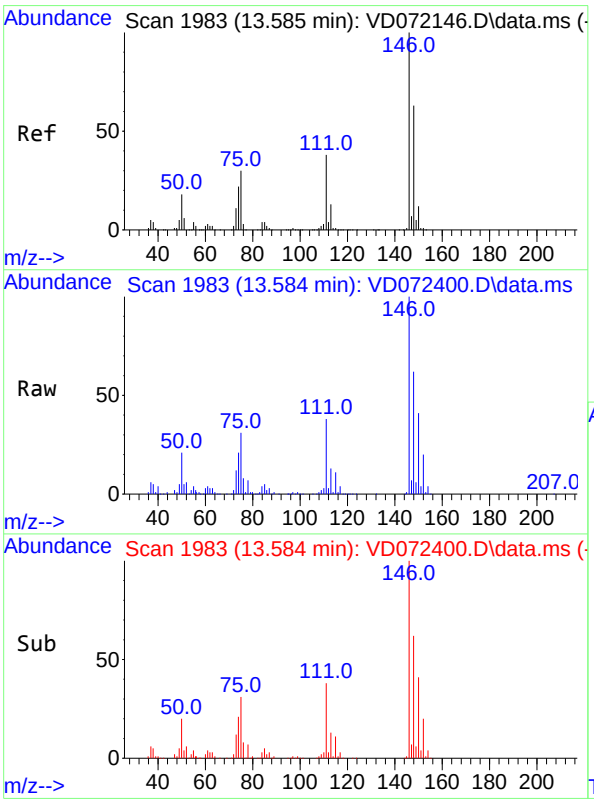
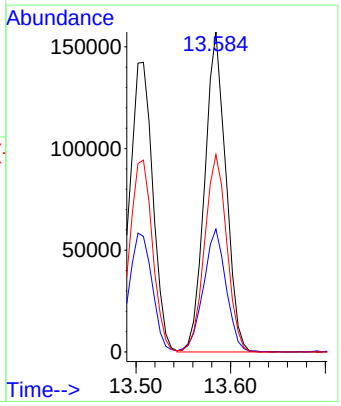
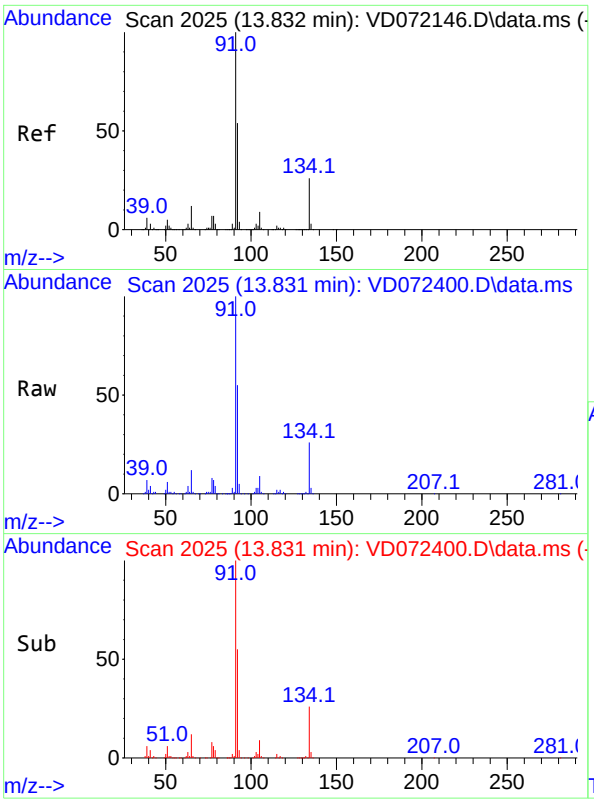


#88
1,4-Dichlorobenzene
Concen: 22.025 ug/l
RT: 13.584 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:146 Resp: 244420

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.6	31.7	95.1

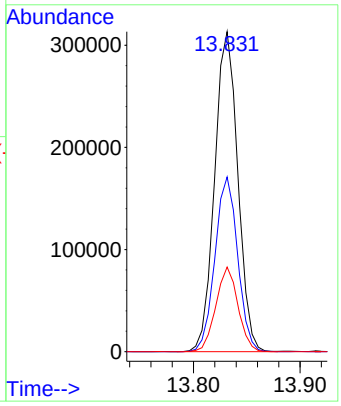




#89
n-Butylbenzene
Concen: 22.437 ug/l
RT: 13.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 91 Resp: 47223

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.8
134	25.3	12.3	36.9



Instrument :
MSVOA_D
ClientSampleId :
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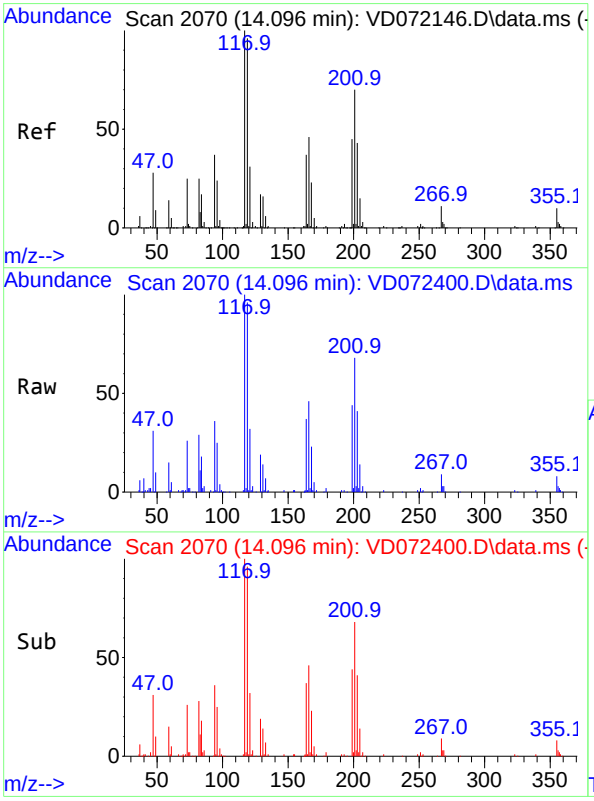
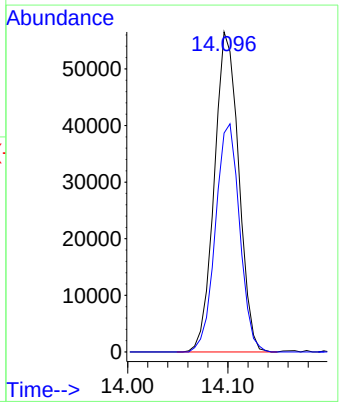
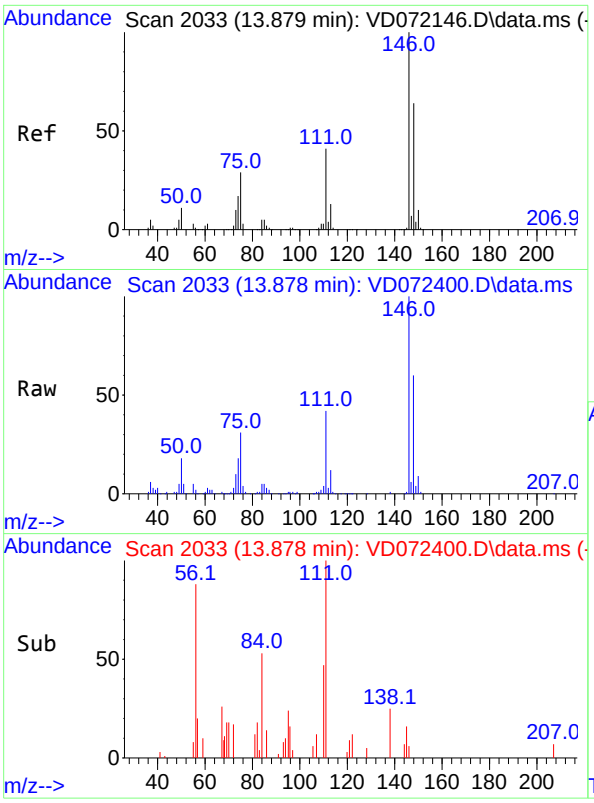


#90
Hexachloroethane
Concen: 22.040 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:117 Resp: 95386

Ion	Ratio	Lower	Upper
117	100		
201	70.8	33.4	100.2

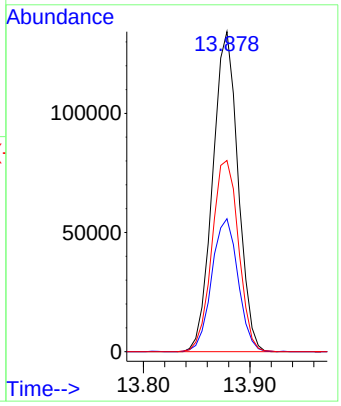




#91
1,2-Dichlorobenzene
Concen: 22.721 ug/l
RT: 13.878 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:146 Resp: 22168

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	62.8	31.7	95.1



Instrument :
MSVOA_D
ClientSampleId :
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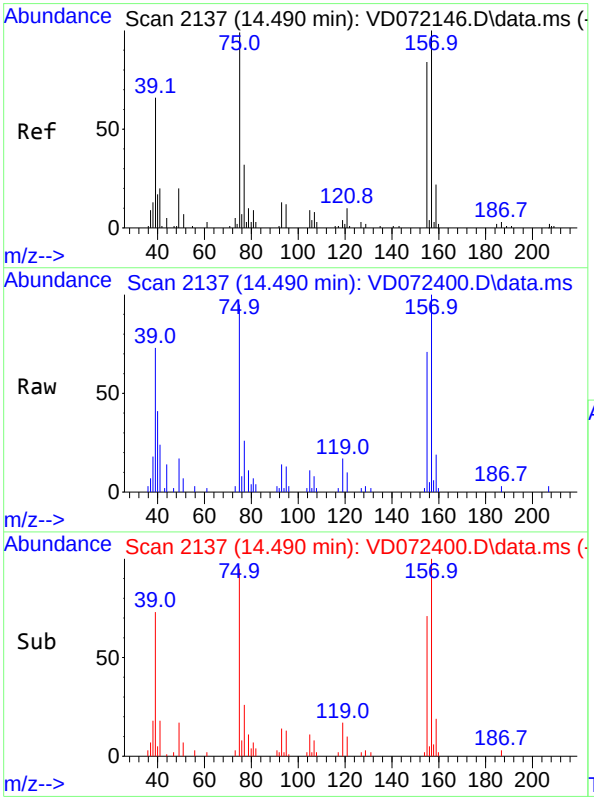
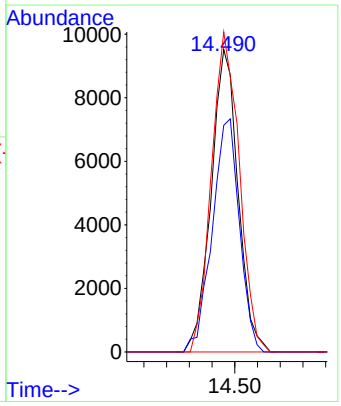
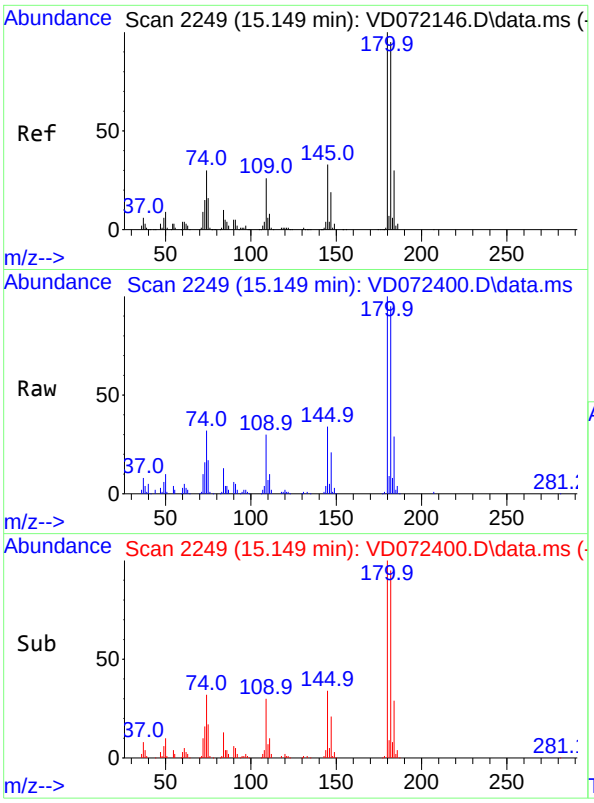


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.170 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion: 75 Resp: 15690

Ion	Ratio	Lower	Upper
75	100		
155	77.8	36.8	110.3
157	109.1	48.4	145.0

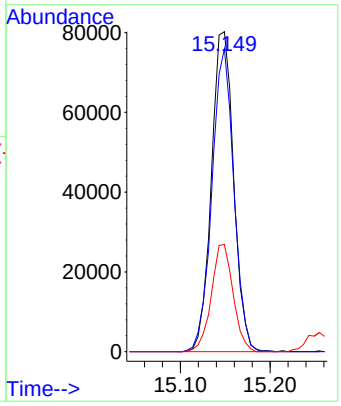




#93
1,2,4-Trichlorobenzene
Concen: 21.366 ug/l
RT: 15.149 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:180 Resp: 13802

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	32.9	16.2	48.5



Instrument :
MSVOA_D
ClientSampleId :
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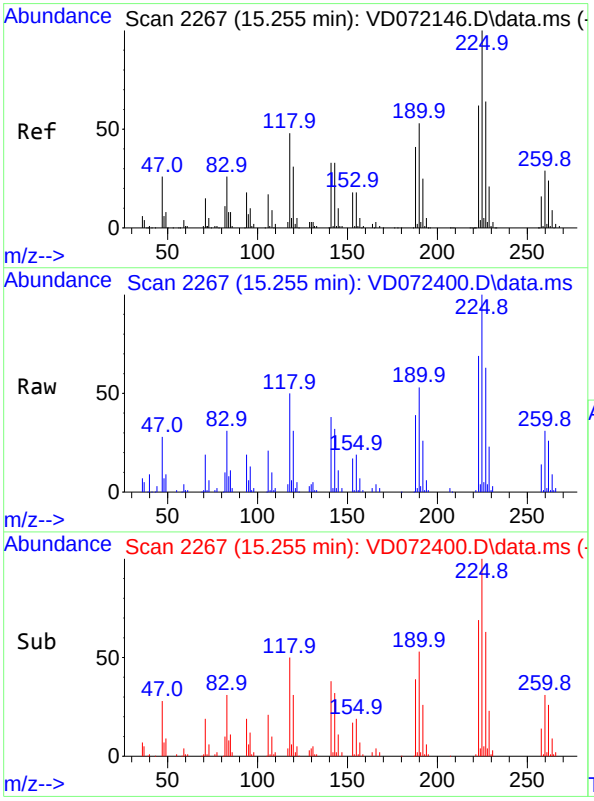
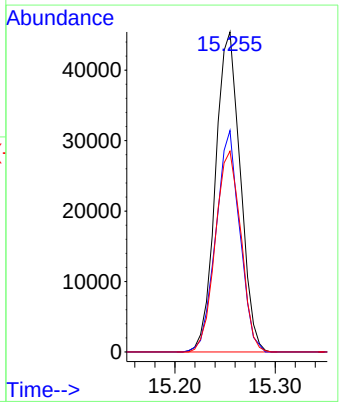
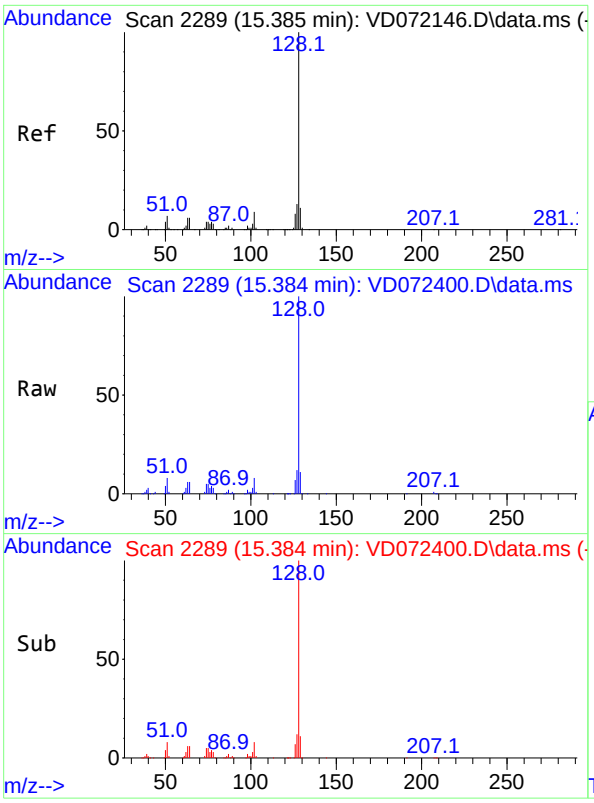


#94
Hexachlorobutadiene
Concen: 20.730 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:225 Resp: 77896

Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.1	93.2
227	64.7	32.4	97.0

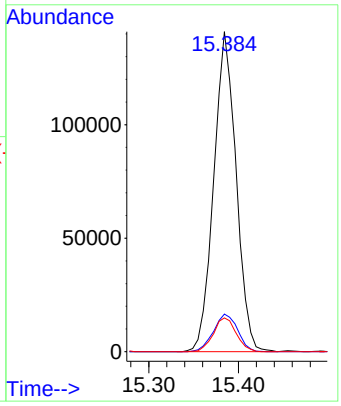




#95
Naphthalene
Concen: 21.899 ug/l
RT: 15.384 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:128 Resp: 24384

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.4	12.6



Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

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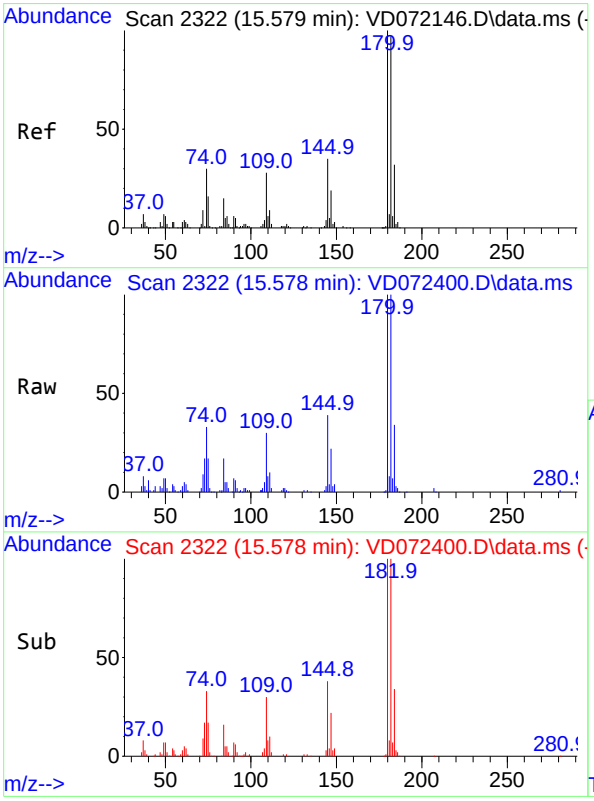
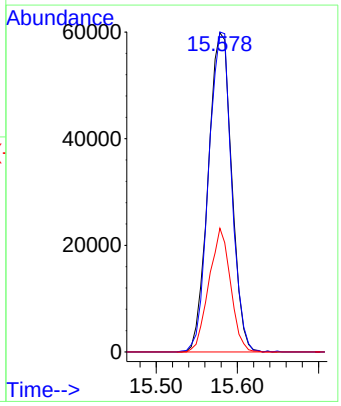


#96
1,2,3-Trichlorobenzene
Concen: 21.456 ug/l
RT: 15.578 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD072400.D
Acq: 24 Mar 2022 11:30

Tgt Ion:180 Resp: 119970

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.6	142.9
145	35.8	17.1	51.3