

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066759.D
 Acq On : 18 Sep 2020 12:01
 Operator : VA/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:48:53 AM

Quant Time: Sep 19 03:43:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	669992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222741	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.91	113	213318	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.34	98	770544	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.63	95	277067	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72149	20.976	ug/l	97
3) Chloromethane	2.21	50	85654	19.157	ug/l	98
4) Vinyl Chloride	2.35	62	88946	19.008	ug/l	99
5) Bromomethane	2.76	94	58741	17.696	ug/l	96
6) Chloroethane	2.92	64	52542	18.024	ug/l	89
7) Trichlorofluoromethane	3.27	101	159336	19.714	ug/l	99
8) Diethyl Ether	3.70	74	38957	19.249	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	91314	20.558	ug/l	99
10) Methyl Iodide	4.30	142	70676	16.770	ug/l	98
11) Tert butyl alcohol	5.21	59	38377	91.263	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	80380	19.552	ug/l	93
13) Acrolein	3.92	56	27212	88.015	ug/l	91
14) Allyl chloride	4.71	41	121667	18.428	ug/l	97
15) Acrylonitrile	5.42	53	81243	91.635	ug/l	98
16) Acetone	4.16	43	83540	93.582	ug/l	93
17) Carbon Disulfide	4.41	76	260492	20.164	ug/l	95
18) Methyl Acetate	4.71	43	37852	17.524	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	166302	18.161	ug/l	98
20) Methylene Chloride	4.96	84	110173	18.290	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	94622	19.755	ug/l	97
22) Diisopropyl ether	6.36	45	258198	19.246	ug/l	98
23) Vinyl Acetate	6.31	43	697815	93.511	ug/l	95
24) 1,1-Dichloroethane	6.27	63	160378	18.839	ug/l	99
25) 2-Butanone	7.21	43	102393	88.086	ug/l	92
26) 2,2-Dichloropropane	7.21	77	152010	19.310	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	98973	18.888	ug/l	97
28) Bromochloromethane	7.54	49	69823	21.958	ug/l	95
29) Tetrahydrofuran	7.56	42	64812	91.129	ug/l	97
30) Chloroform	7.71	83	172301	19.017	ug/l	100
31) Cyclohexane	7.98	56	149593	19.319	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	158242	19.086	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132809	19.280	ug/l	99
37) Ethyl Acetate	7.30	43	48956	18.773	ug/l	96
38) Carbon Tetrachloride	8.10	117	141161	19.297	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153073	19.427	ug/l	94
40) Benzene	8.35	78	367181	19.703	ug/l	98
41) Methacrylonitrile	7.53	41	28551	20.680	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	110081	19.066	ug/l	98
43) Isopropyl Acetate	8.45	43	88807	18.093	ug/l	96
44) Trichloroethene	9.11	130	96986	19.464	ug/l	90
45) 1,2-Dichloropropane	9.38	63	91296	19.816	ug/l	98
46) Dibromomethane	9.47	93	50068	19.777	ug/l	98
47) Bromodichloromethane	9.66	83	134349	19.475	ug/l	99
48) Methyl methacrylate	9.46	41	47241	18.921	ug/l	94
49) 1,4-Dioxane	9.45	88	10047	370.477	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	229993	91.013	ug/l	99
52) Toluene	10.40	92	240804	20.170	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	117610	19.084	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	142364	19.449	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65855	19.729	ug/l	93
56) Ethyl methacrylate	10.66	69	69096	18.241	ug/l	97
57) 1,3-Dichloropropane	10.94	76	111540	19.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	196395	118.053	ug/l	98
59) 2-Hexanone	10.98	43	157959	93.029	ug/l	98
60) Dibromochloromethane	11.14	129	84661	19.465	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62274	19.449	ug/l	99
64) Tetrachloroethene	10.87	164	78195	18.786	ug/l	95
65) Chlorobenzene	11.67	112	244068	19.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	91724	19.692	ug/l	98
67) Ethyl Benzene	11.74	91	436817	19.103	ug/l	99
68) m/p-Xylenes	11.85	106	343055	39.694	ug/l	97
69) o-Xylene	12.18	106	150604	19.720	ug/l	95
70) Styrene	12.19	104	261639	19.464	ug/l	99
71) Bromoform	12.36	173	44544	19.055	ug/l #	98
73) Isopropylbenzene	12.48	105	417780	19.530	ug/l	99
74) N-amyl acetate	12.29	43	79895	17.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	71078	19.554	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	44114m	17.985	ug/l	
77) Bromobenzene	12.76	156	93273	18.918	ug/l	98
78) n-propylbenzene	12.82	91	511512	19.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	276310	18.739	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	355929	19.679	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21863	19.237	ug/l	96
82) 4-Chlorotoluene	13.01	91	301478	19.337	ug/l	100
83) tert-Butylbenzene	13.23	119	283116	18.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	354968	19.638	ug/l	98
85) sec-Butylbenzene	13.40	105	419977	19.651	ug/l	99
86) p-Isopropyltoluene	13.52	119	384415	19.785	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	185644	19.626	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189525	20.121	ug/l	98
89) n-Butylbenzene	13.85	91	357086	19.328	ug/l	98
90) Hexachloroethane	14.11	117	78784	19.738	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	159428	19.670	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11504	19.578	ug/l	97

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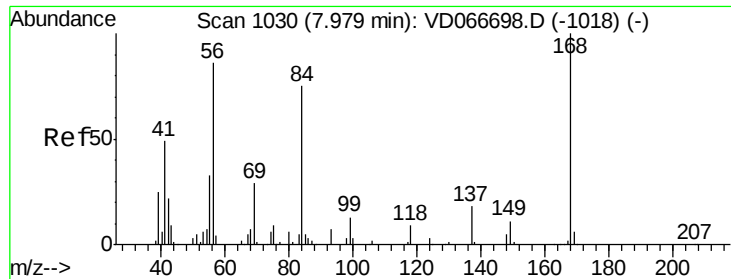
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96029	19.589	ug/l	97
94) Hexachlorobutadiene	15.27	225	57623	19.510	ug/l	99
95) Naphthalene	15.41	128	155008	18.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	81903	19.128	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion:168 Resp: 410869

Ion Ratio Lower Upper

168 100

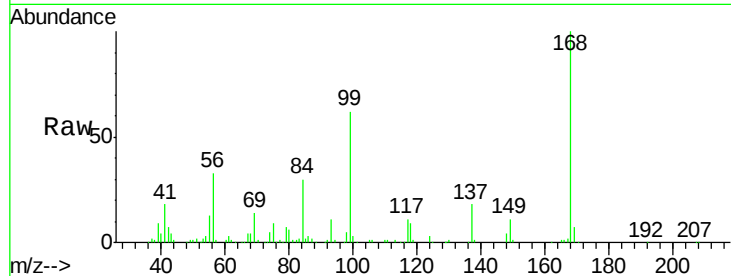
99 61.6 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

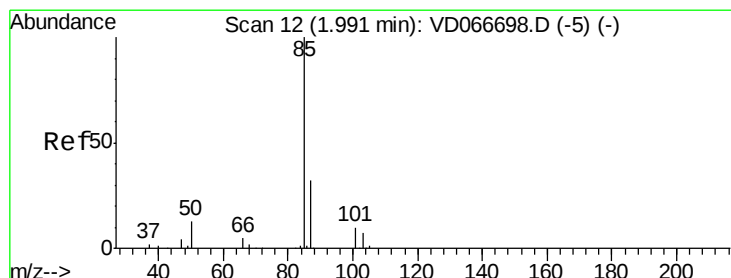
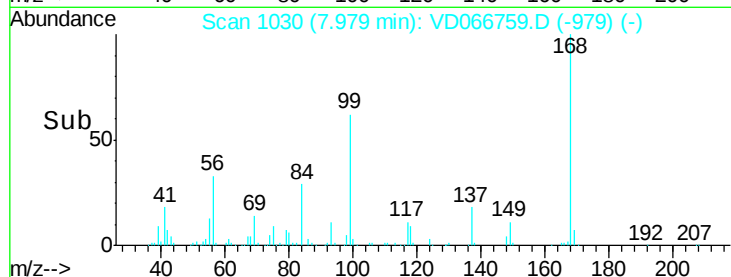
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.976 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066759.D

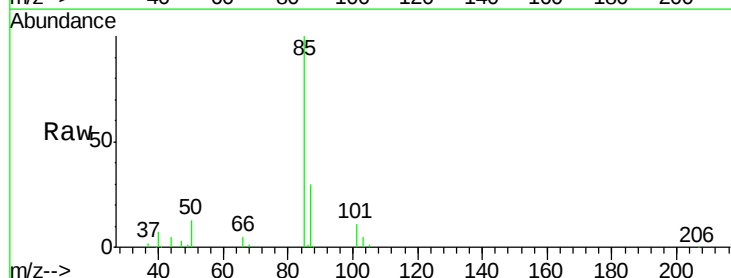
Acq: 18 Sep 2020 12:01

Tgt Ion: 85 Resp: 72149

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

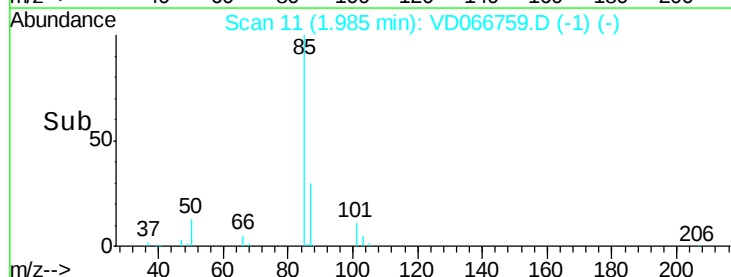
20000

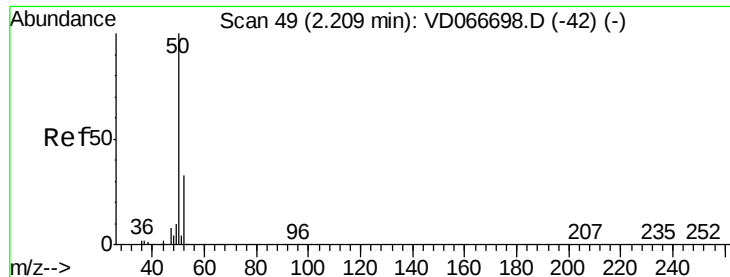
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.157 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 50 Resp: 85654

Ion Ratio Lower Upper

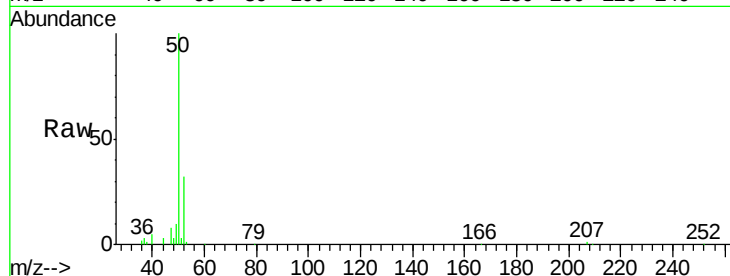
50 100

52 32.4 26.8 40.2

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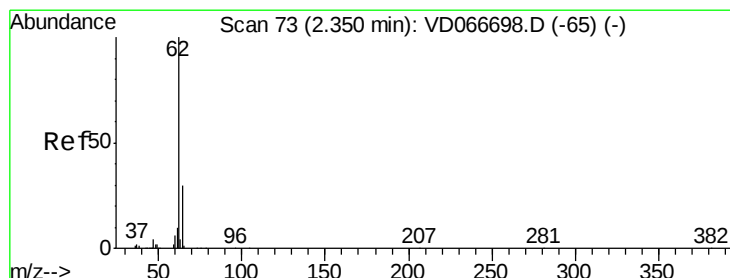
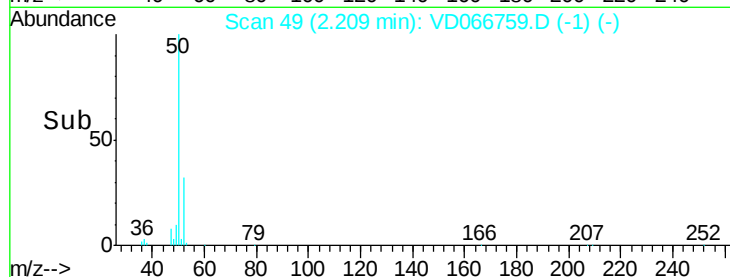
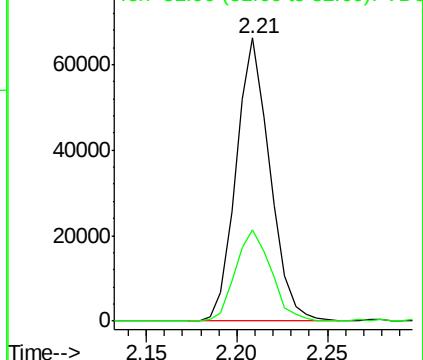
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.008 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066759.D

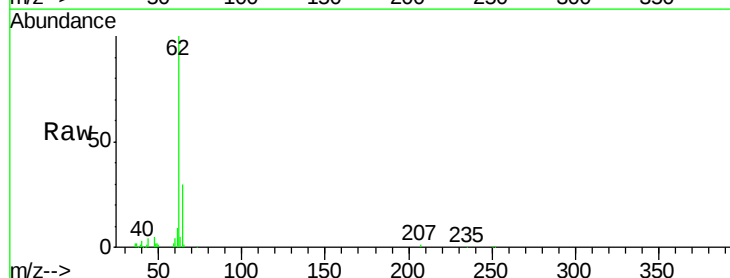
Acq: 18 Sep 2020 12:01

Tgt Ion: 62 Resp: 88946

Ion Ratio Lower Upper

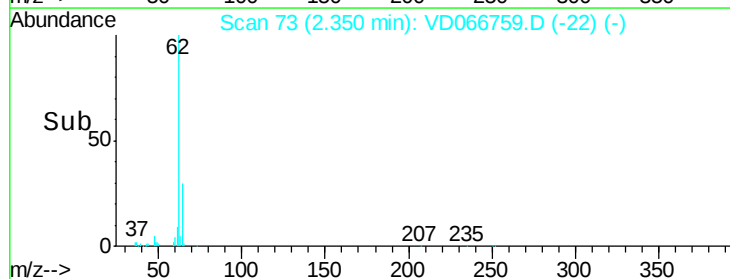
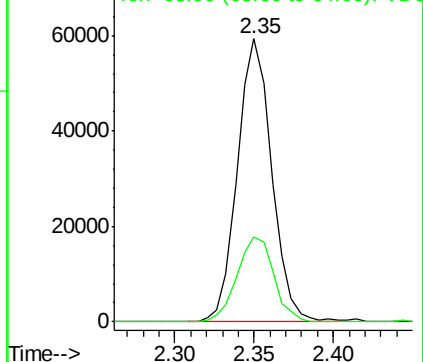
62 100

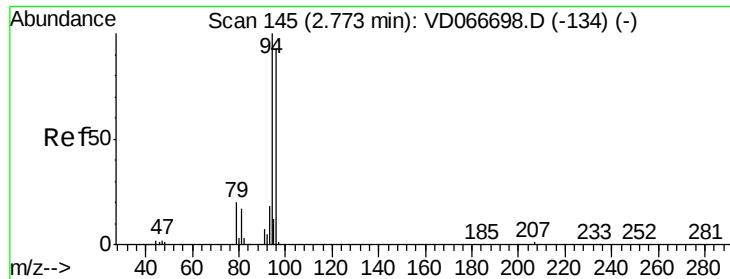
64 30.1 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.696 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 94 Resp: 58741

Ion Ratio Lower Upper

94 100

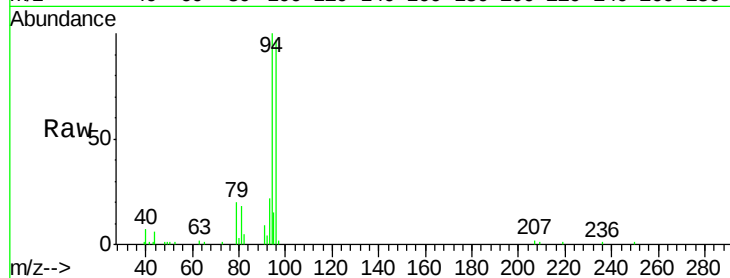
96 97.4 74.7 112.1

Manual Integrations

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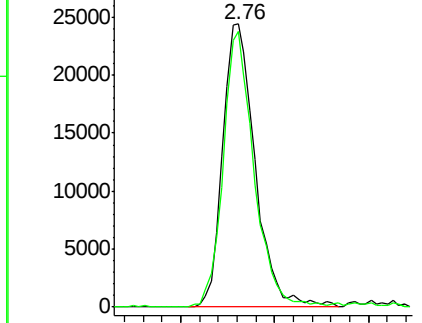
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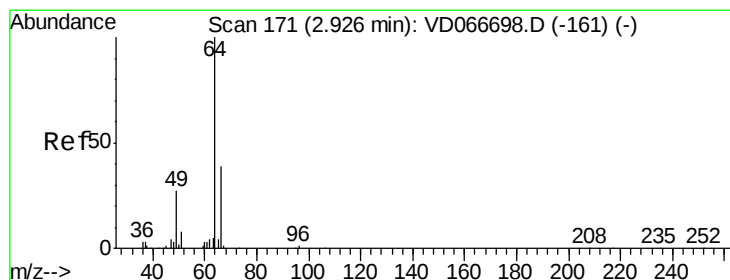
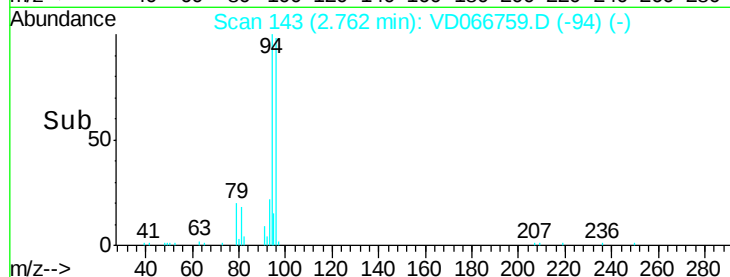


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 18.024 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066759.D

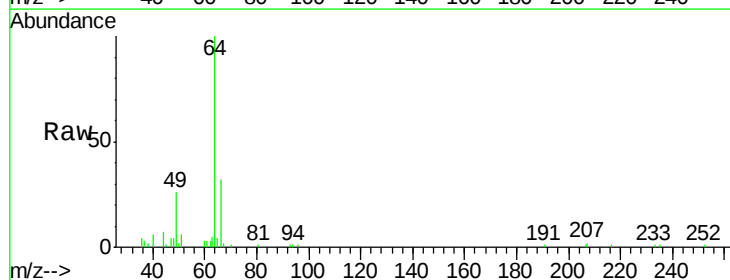
Acq: 18 Sep 2020 12:01

Tgt Ion: 64 Resp: 52542

Ion Ratio Lower Upper

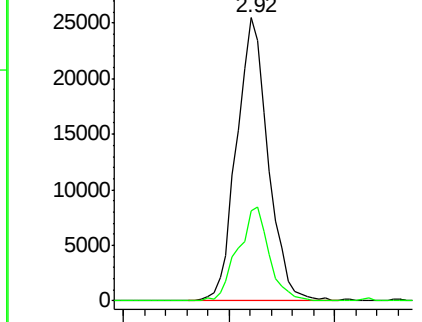
64 100

66 31.7 30.9 46.3

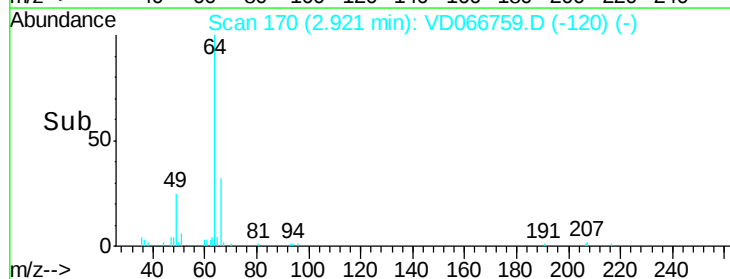


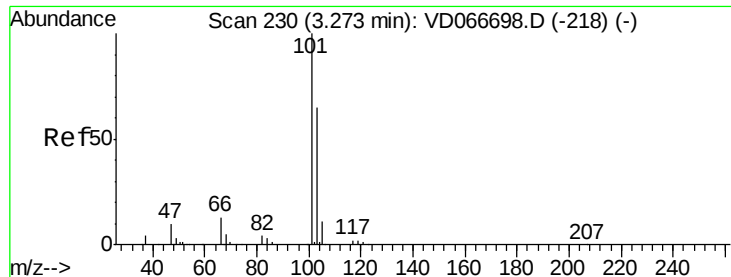
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 19.714 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion:101 Resp: 159336

Ion Ratio Lower Upper

101 100

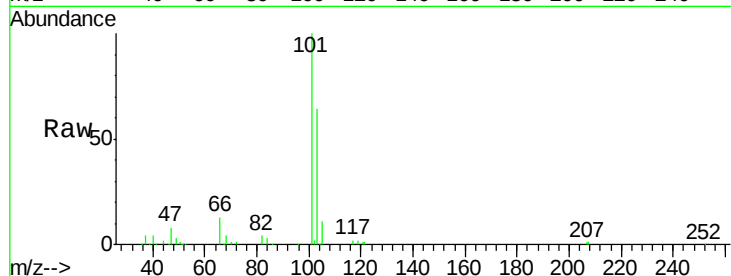
103 64.0 51.8 77.8

Manual Integrations

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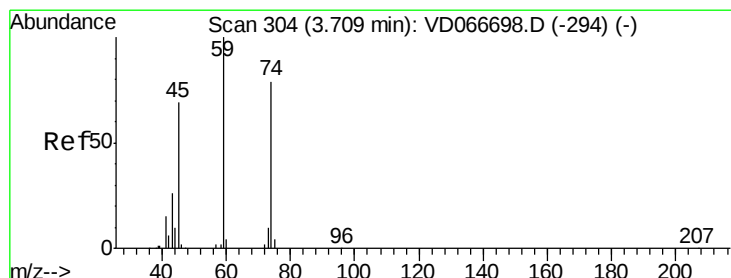
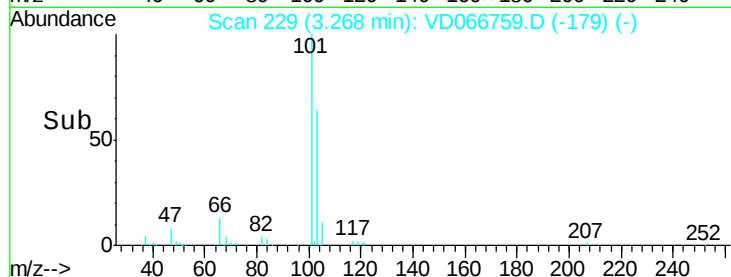
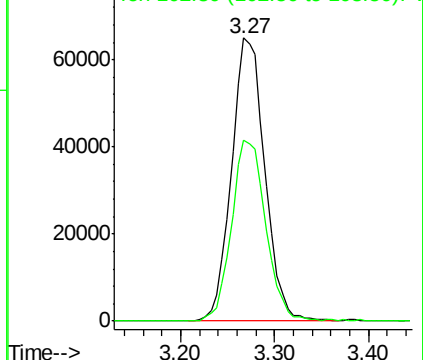
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.249 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066759.D

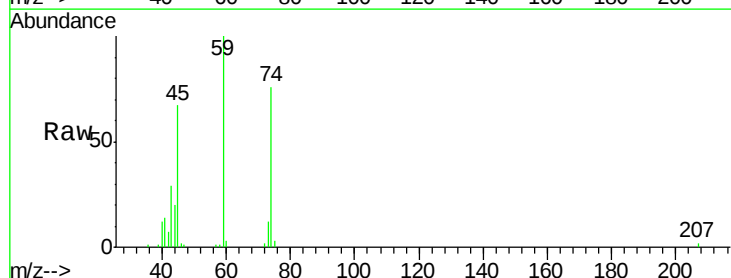
Acq: 18 Sep 2020 12:01

Tgt Ion: 74 Resp: 38957

Ion Ratio Lower Upper

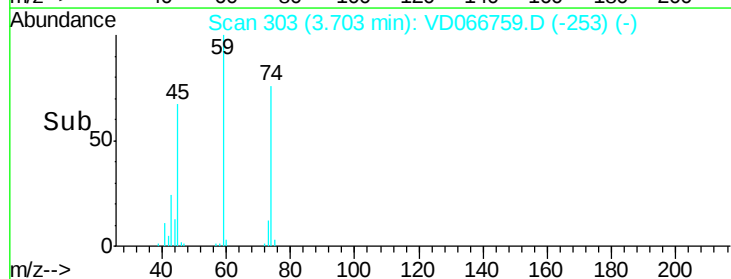
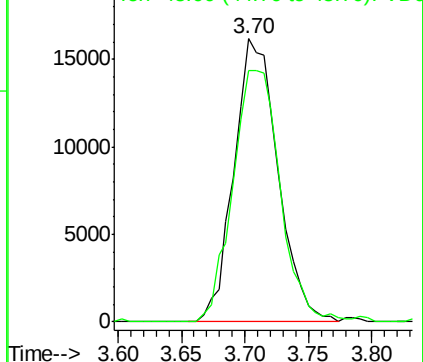
74 100

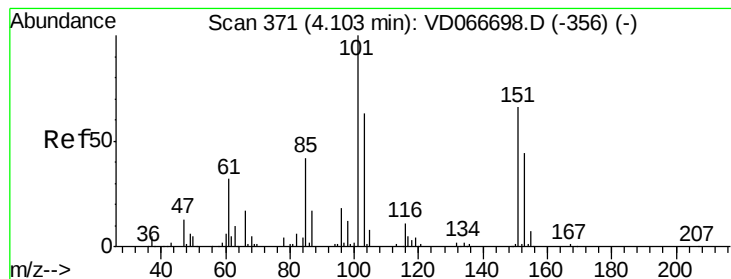
45 95.9 48.0 144.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

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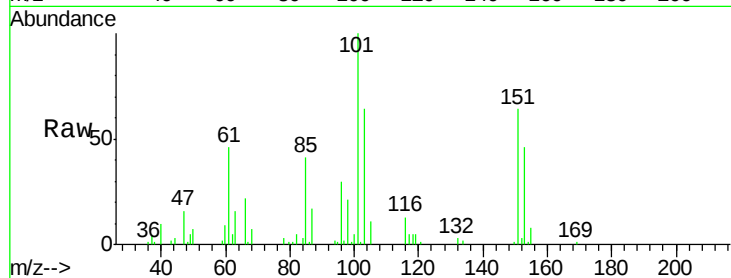
ClientSampleId :

VD0918SBS01

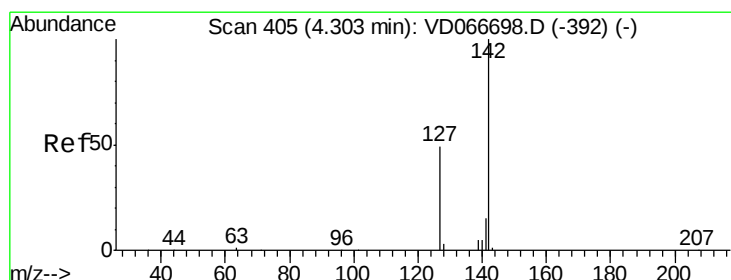
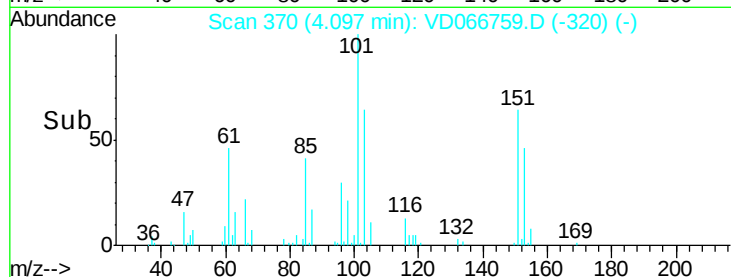
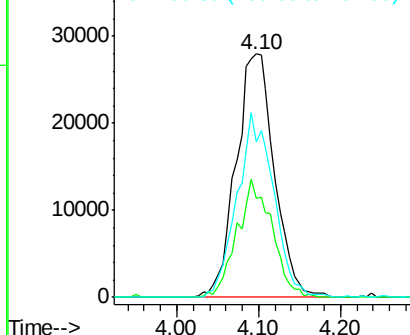
Tot Ion:	101	Resp:	91314
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.3	54.5
151	72.1	58.0	87.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.770 ug/l

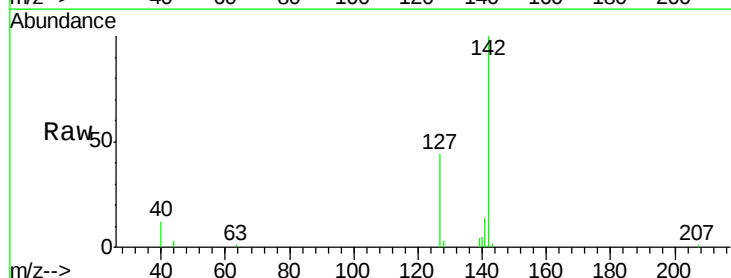
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

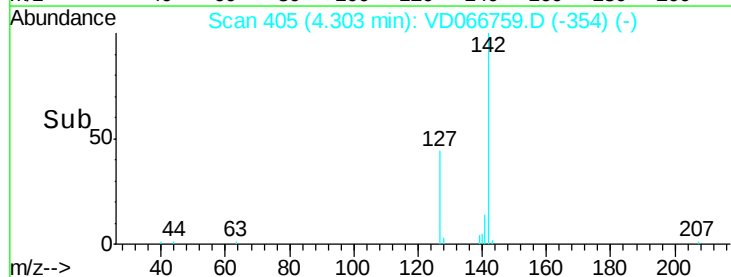
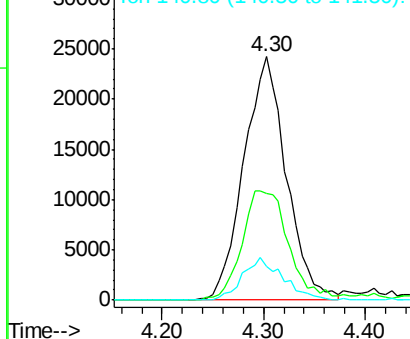
Lab File: VD066759.D

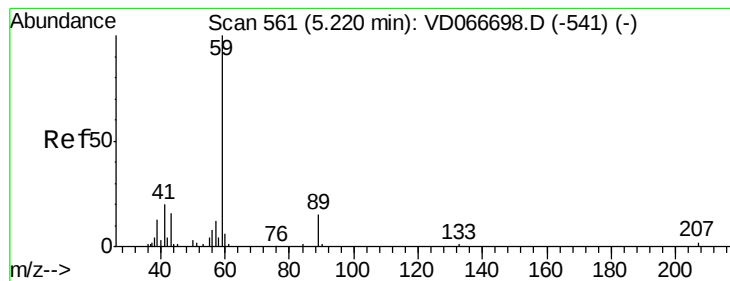
Acq: 18 Sep 2020 12:01

Tgt Ion:	142	Resp:	70676
Ion Ratio	Lower	Upper	
142	100		
127	49.2	39.0	58.4
141	16.6	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

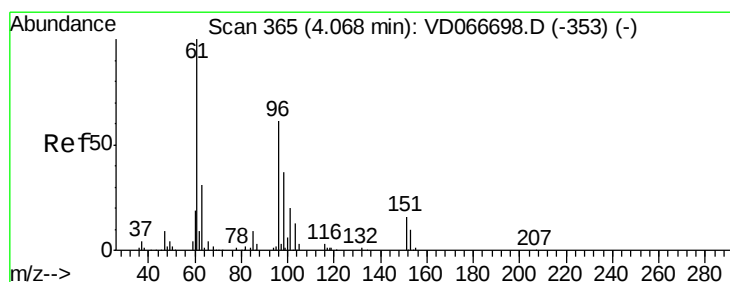
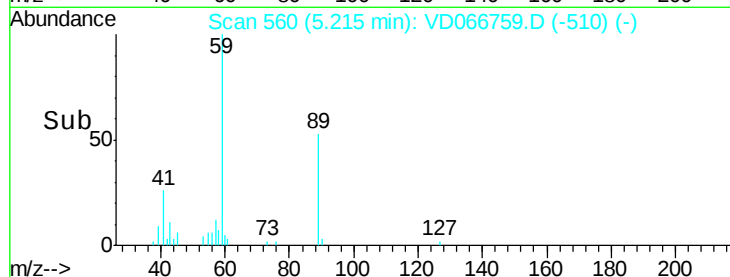
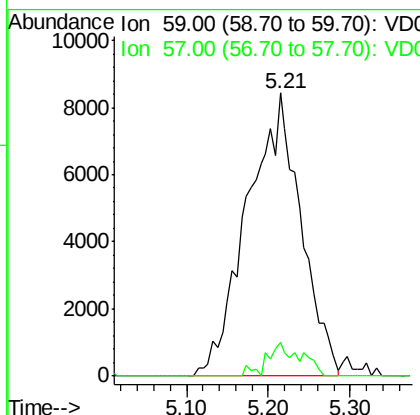
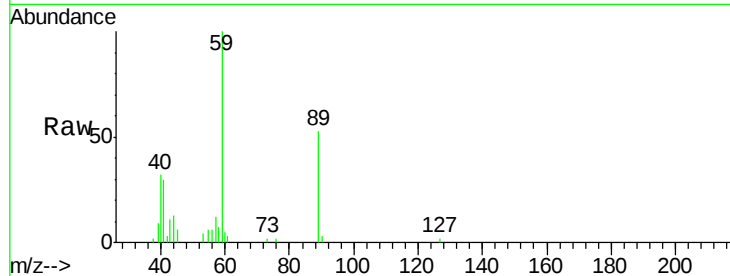
Tert butyl alcohol
Concen: 91.263 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 59 Resp: 38377
Ion Ratio Lower Upper
59 100
57 4.9 6.7 10.1#

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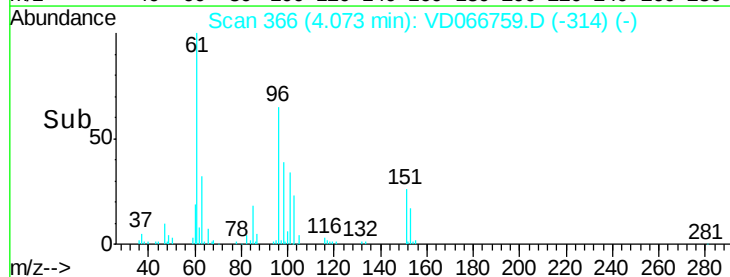
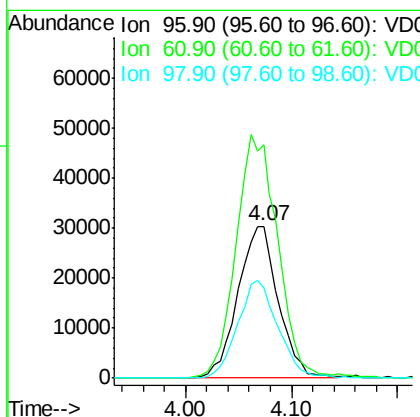
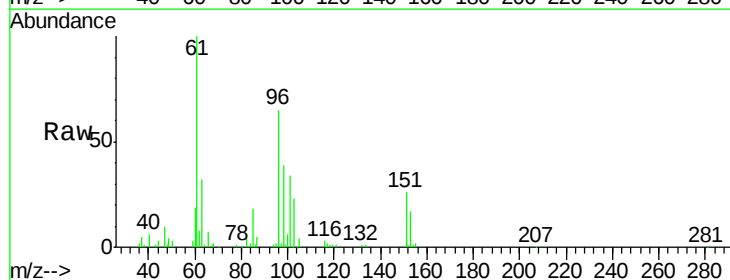
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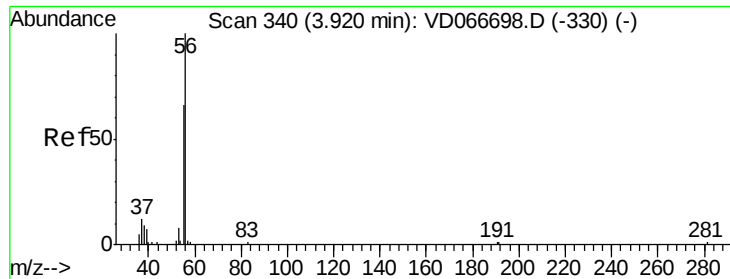


#12

1,1-Dichloroethene
Concen: 19.552 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 96 Resp: 80380
Ion Ratio Lower Upper
96 100
61 154.1 131.9 197.9
98 59.5 49.1 73.7





#13

Acrolein

Concen: 88.015 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 56 Resp: 27212

Ion Ratio Lower Upper

56 100

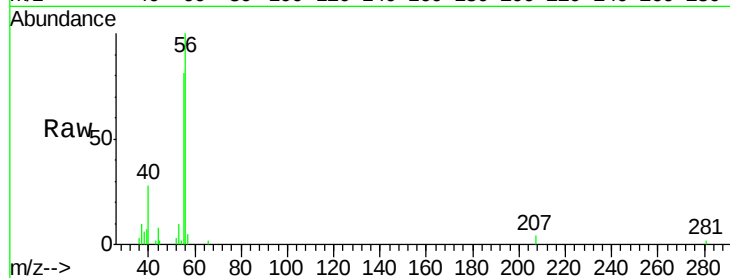
55 75.6 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

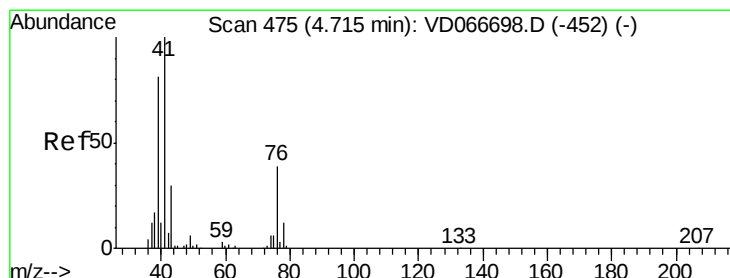
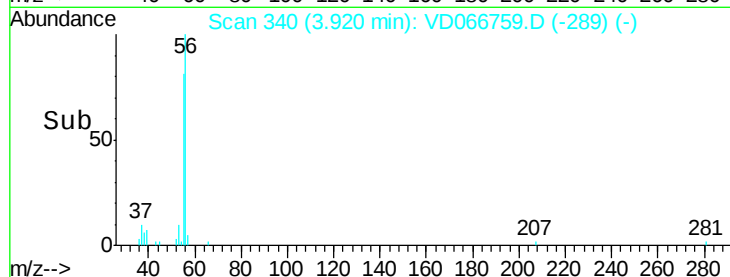
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 18.428 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

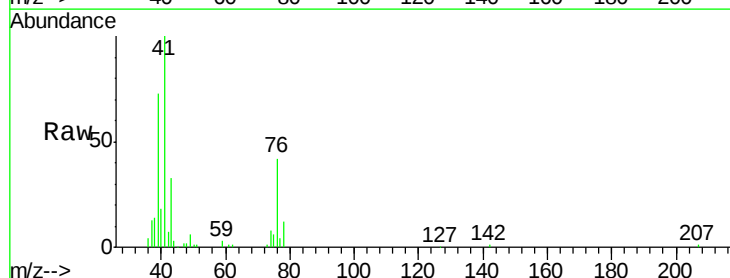
Tgt Ion: 41 Resp: 121667

Ion Ratio Lower Upper

41 100

39 73.0 60.6 90.8

76 37.6 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

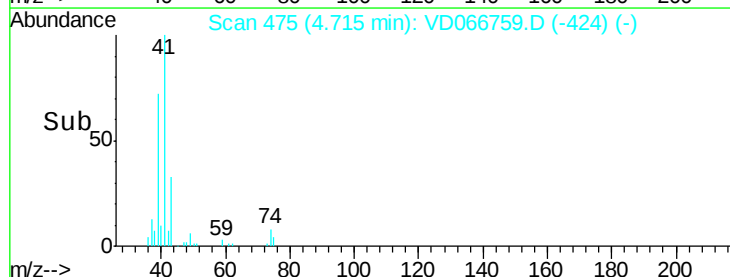
20000

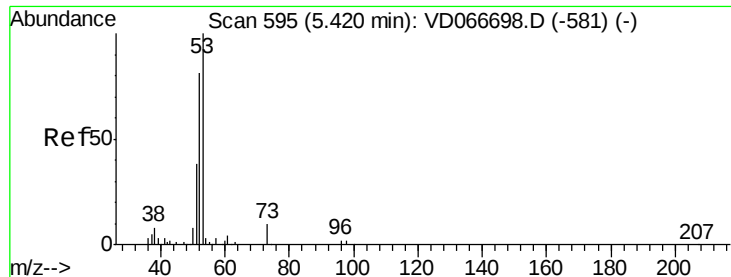
10000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 91.635 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

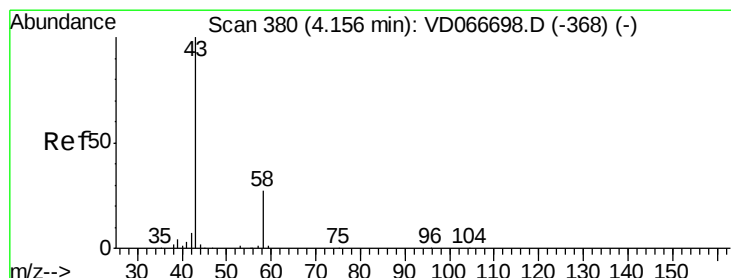
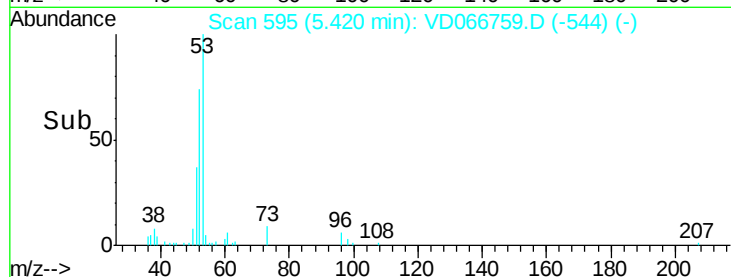
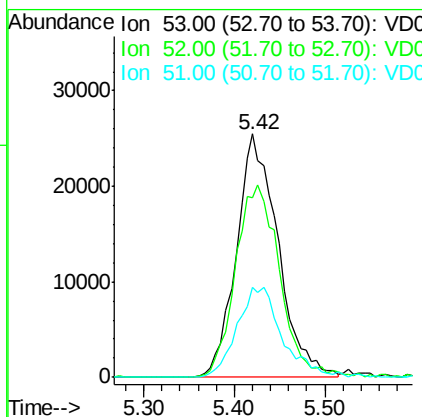
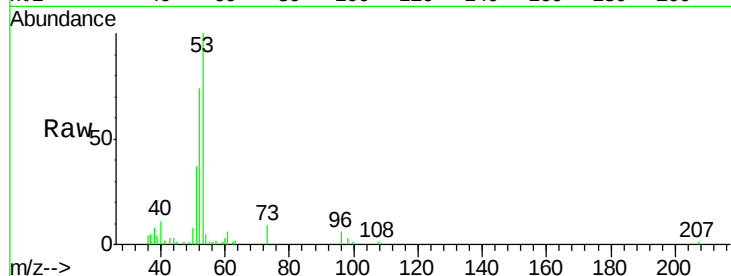
ClientSampleId :

VD0918SBS01

Tot Ion:	53	Resp:	81243
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.6	99.8
51	40.1	31.0	46.6

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#16

Acetone

Concen: 93.582 ug/l

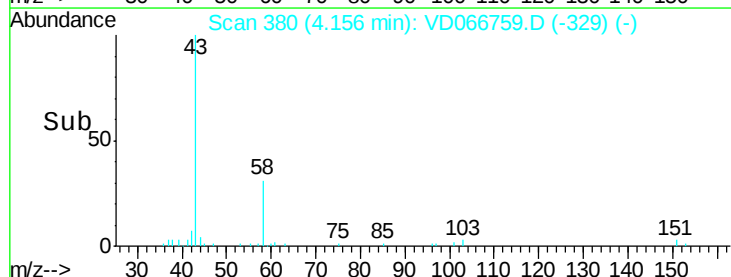
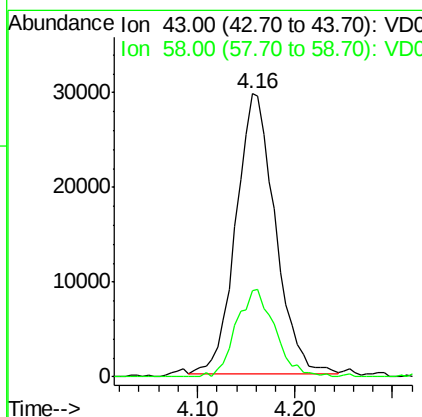
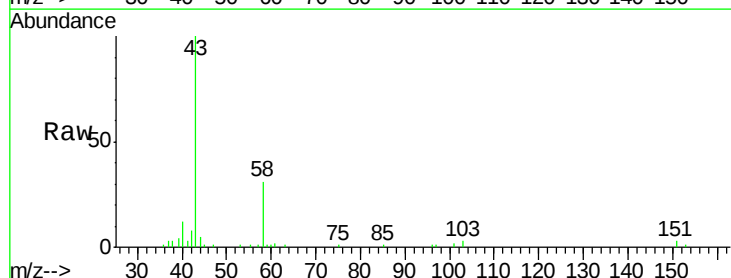
RT: 4.16 min Scan# 380

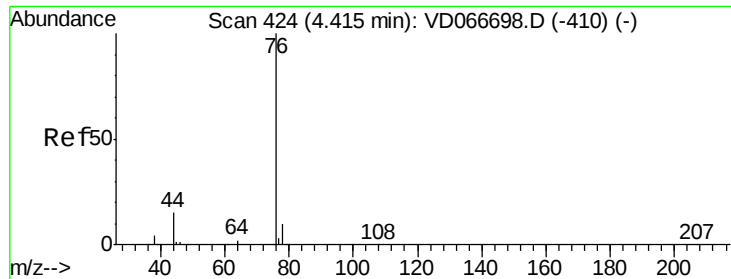
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	43	Resp:	83540
Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.9	32.9





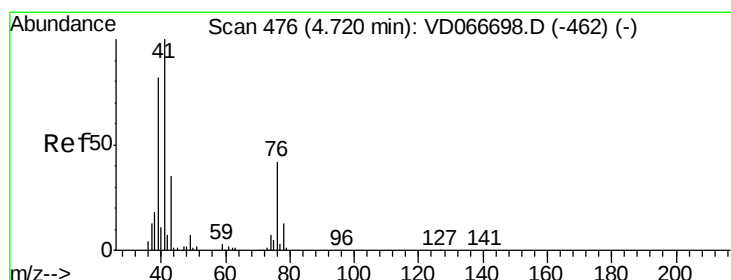
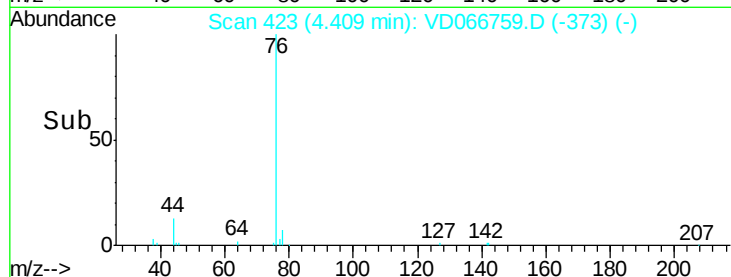
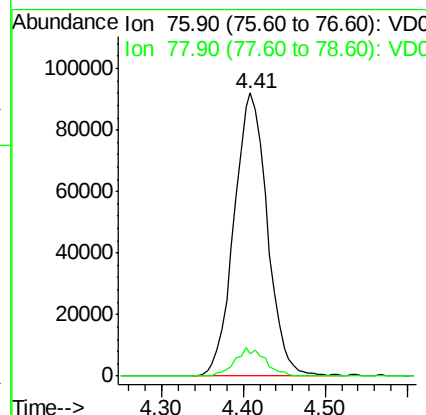
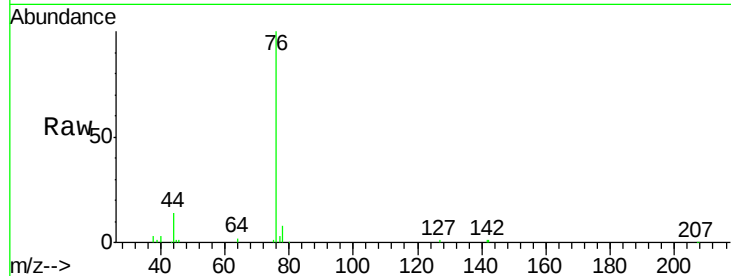
#17
Carbon Disulfide
Concen: 20.164 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	260492		
78	8.0		8.0	12.0

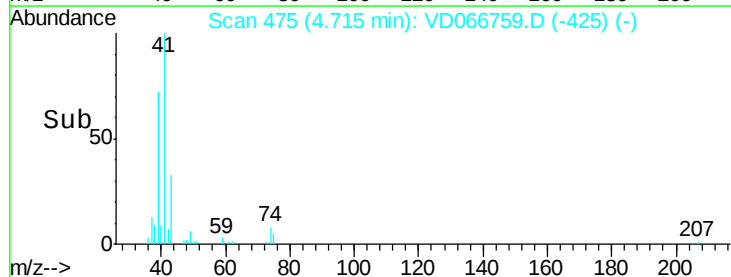
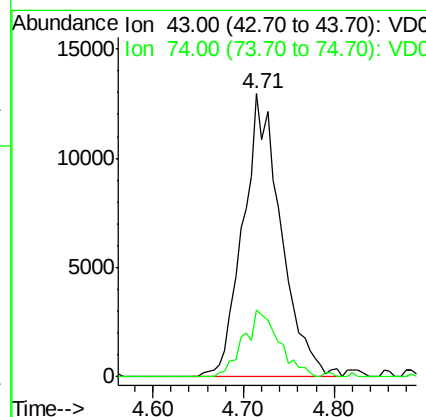
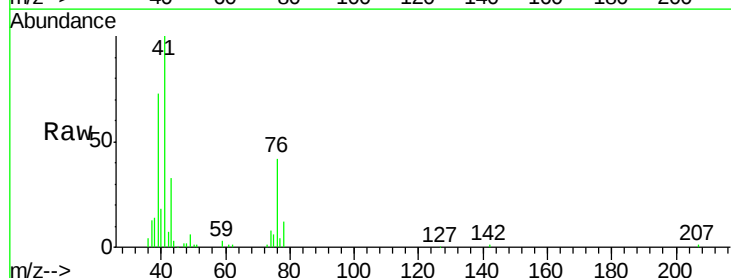
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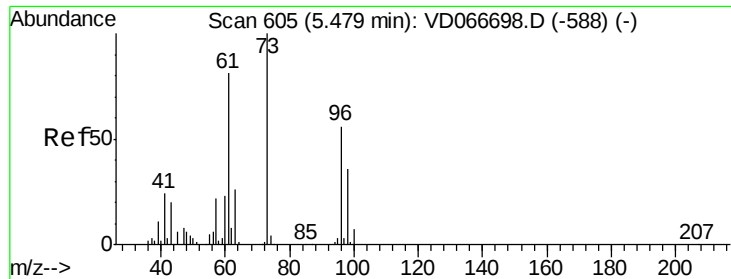
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#18
Methyl Acetate
Concen: 17.524 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	37852		
74	22.1		18.6	28.0





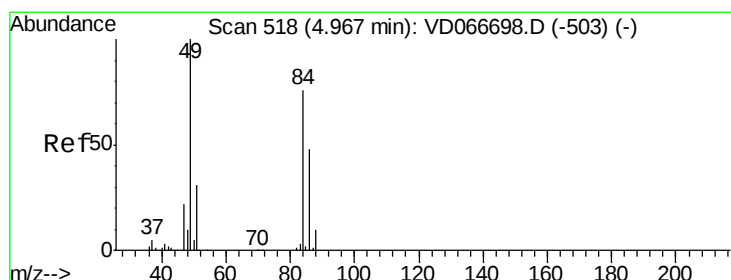
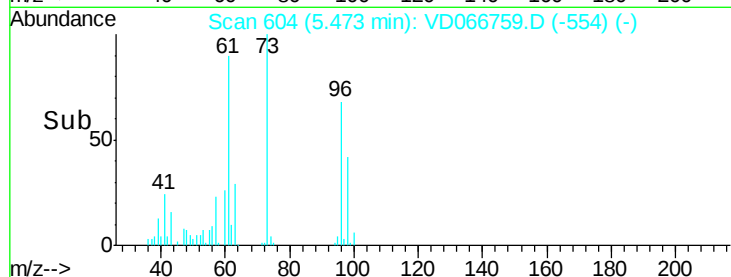
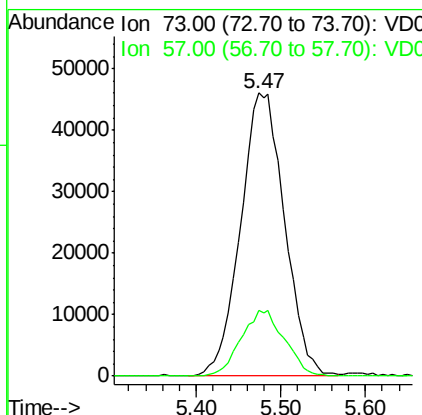
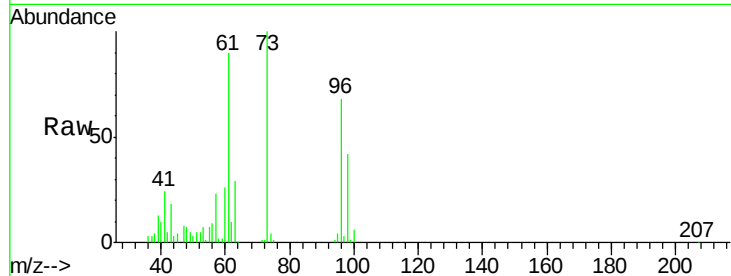
#19
Methvl tert-butvl Ether
Concen: 18.161 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 73 Resp: 166302
Ion Ratio Lower Upper
73 100
57 23.3 17.8 26.6

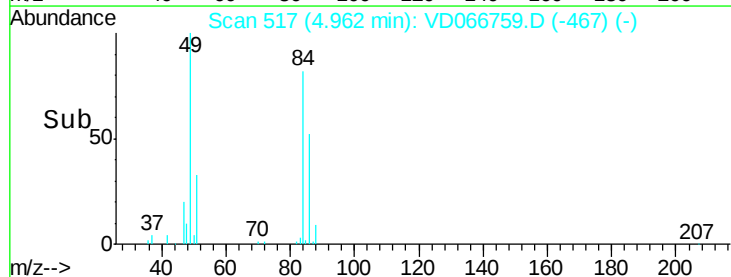
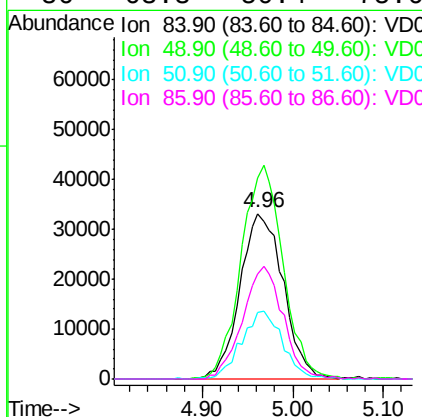
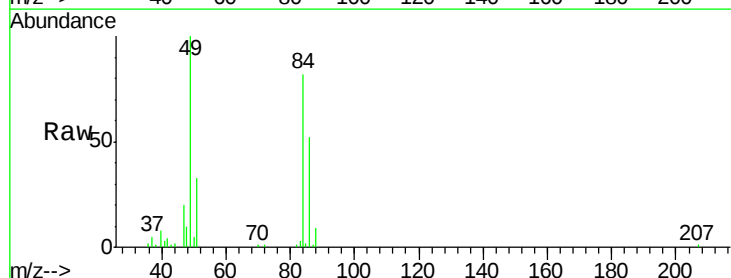
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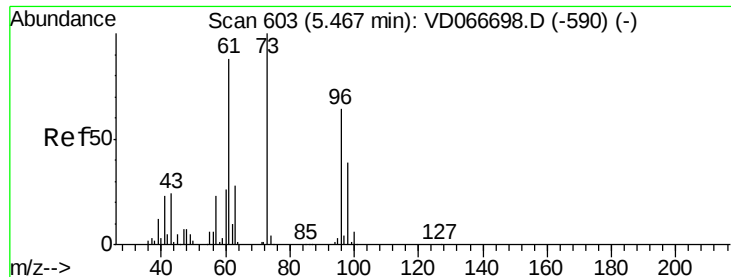
MMDadoda
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#20
Methylene Chloride
Concen: 18.290 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 84 Resp: 110173
Ion Ratio Lower Upper
84 100
49 121.8 105.0 157.6
51 40.2 32.2 48.4
86 63.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.755 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 96 Resp: 94622

Ion Ratio Lower Upper

96 100

61 132.9 110.6 166.0

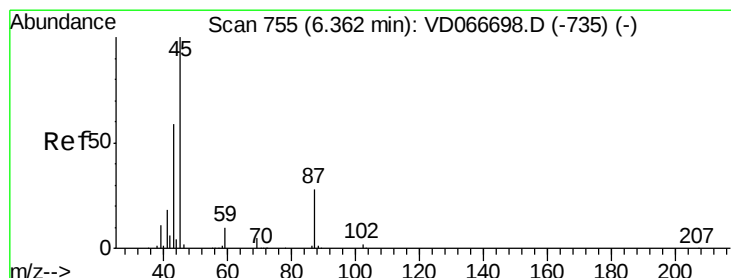
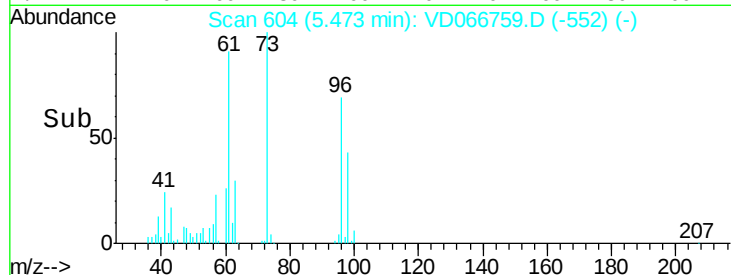
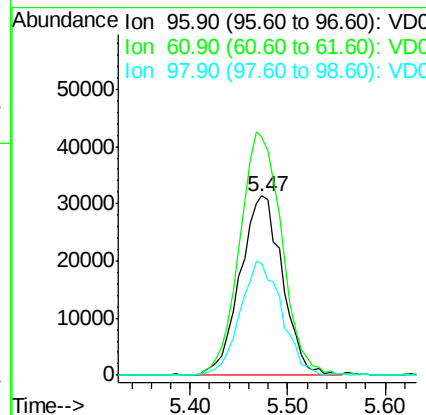
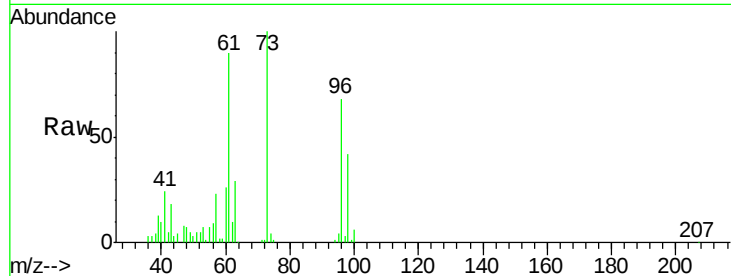
98 62.3 49.2 73.8

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#22

Diisopropyl ether

Concen: 19.246 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion: 45 Resp: 258198

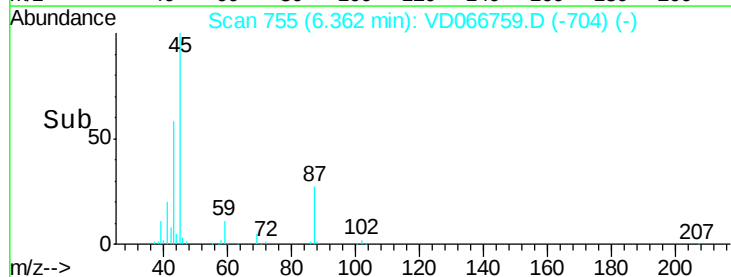
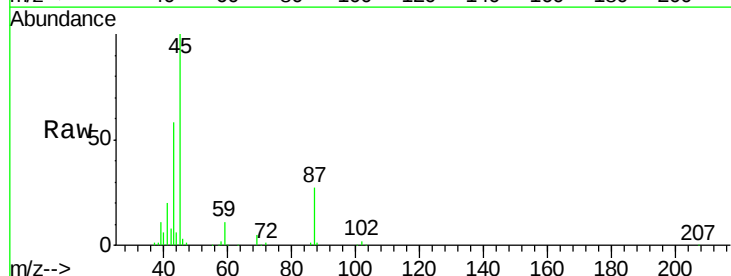
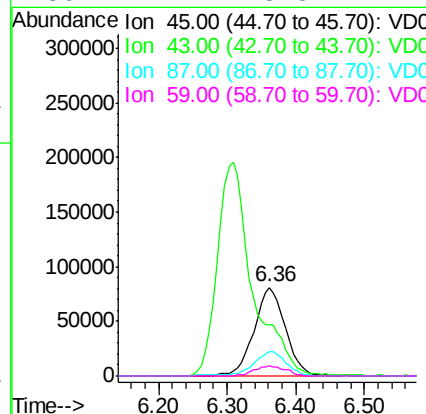
Ion Ratio Lower Upper

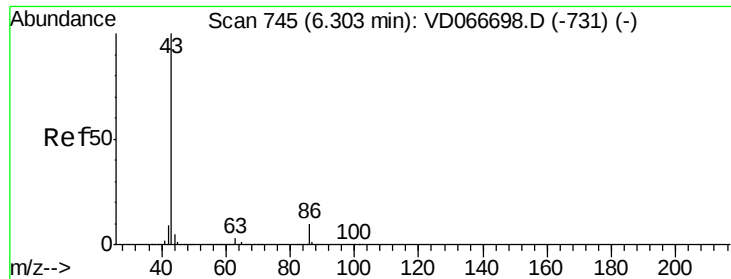
45 100

43 56.8 46.9 70.3

87 27.4 22.4 33.6

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 93.511 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 43 Resp: 697815

Ion Ratio Lower Upper

43 100

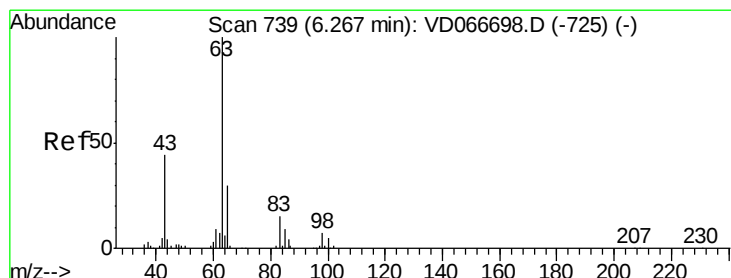
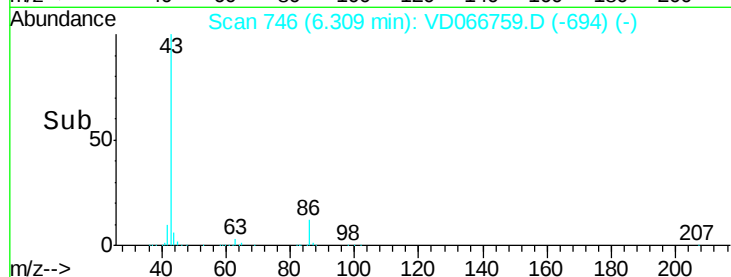
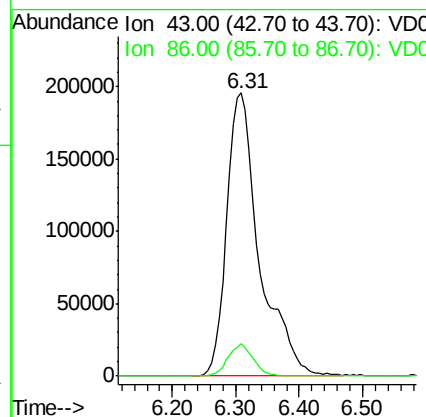
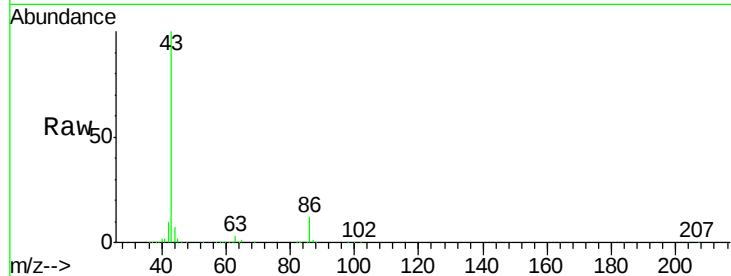
86 11.6 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 18.839 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

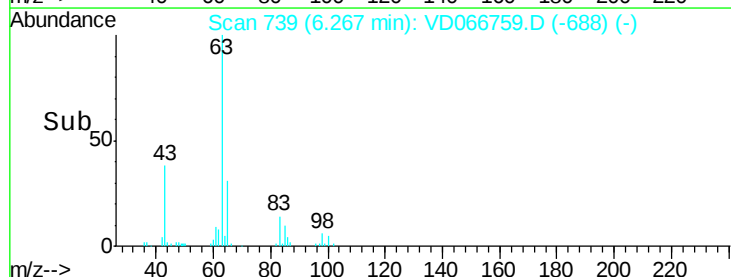
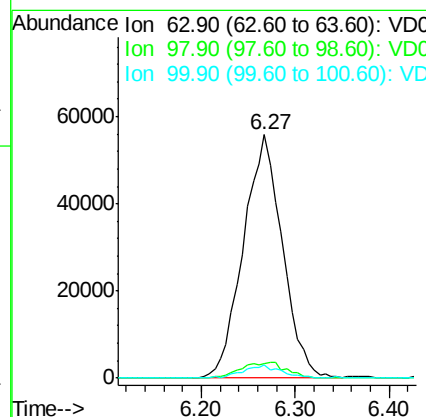
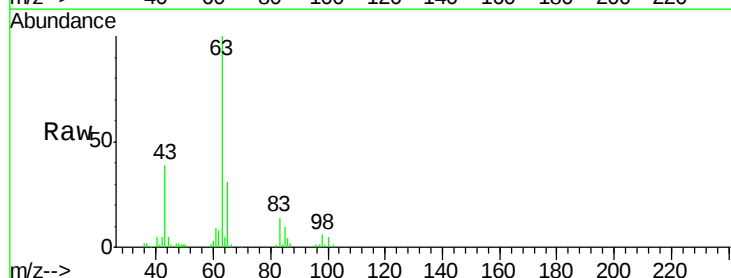
Tgt Ion: 63 Resp: 160378

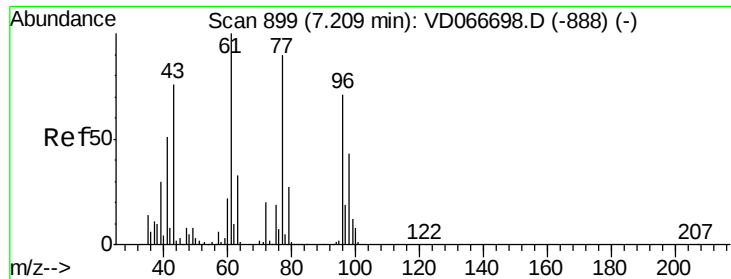
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 5.4 2.6 8.0





#25

2-Butanone

Concen: 88.086 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 43 Resp: 102393

Ion Ratio Lower Upper

43 100

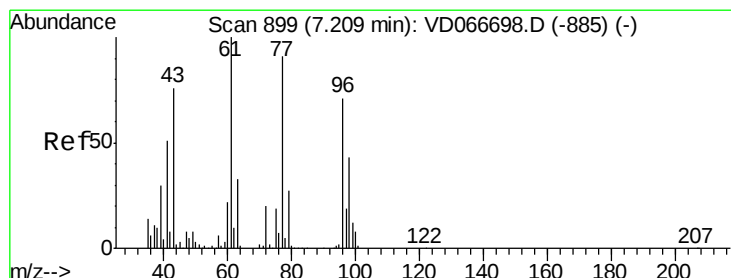
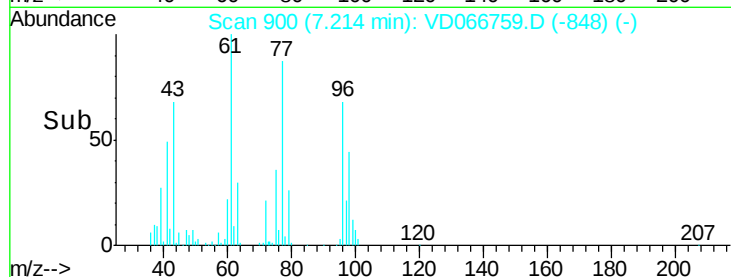
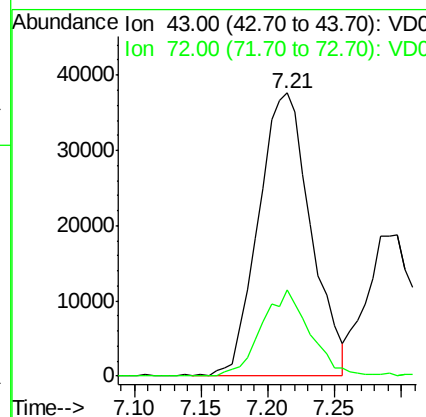
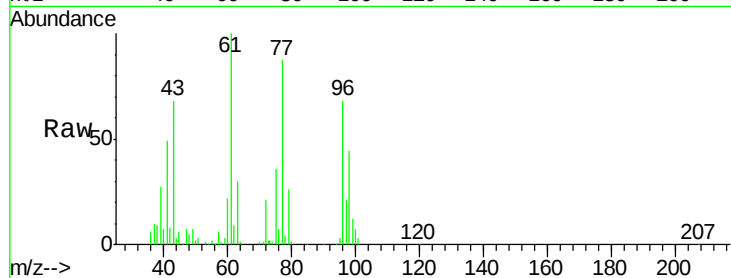
72 30.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.310 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066759.D

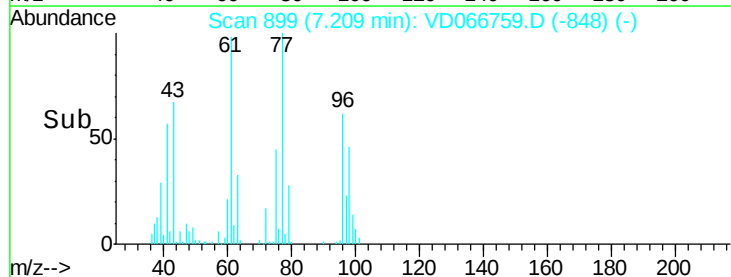
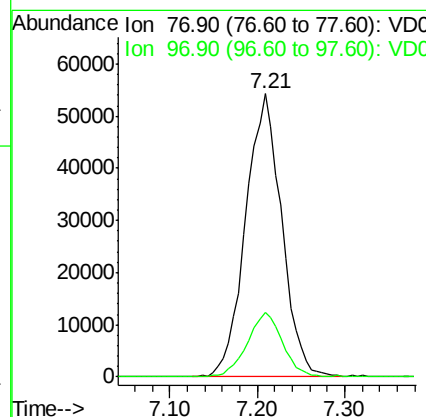
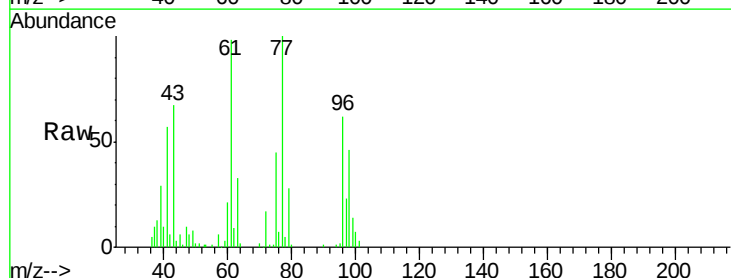
Acq: 18 Sep 2020 12:01

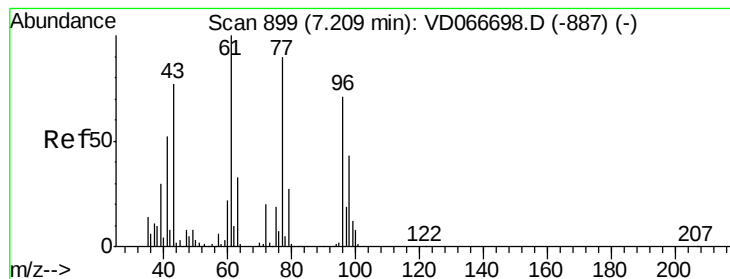
Tgt Ion: 77 Resp: 152010

Ion Ratio Lower Upper

77 100

97 22.0 10.6 31.8





#27

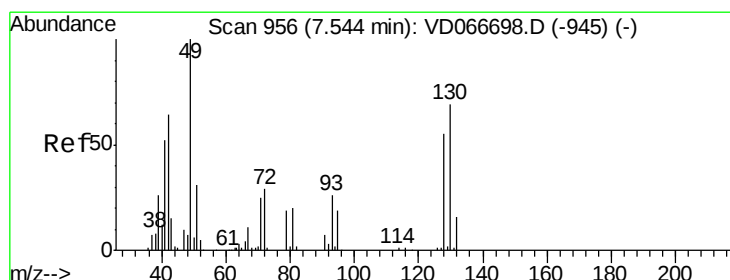
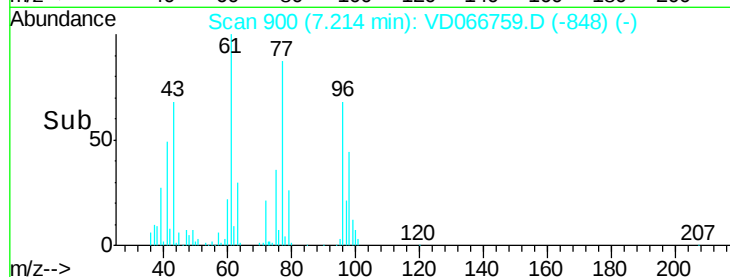
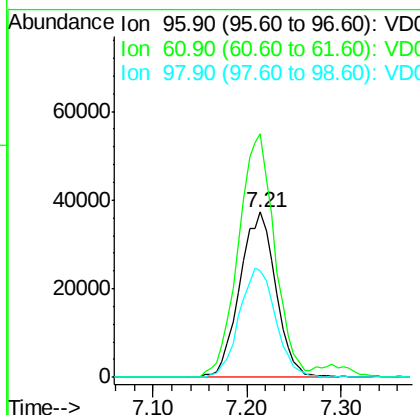
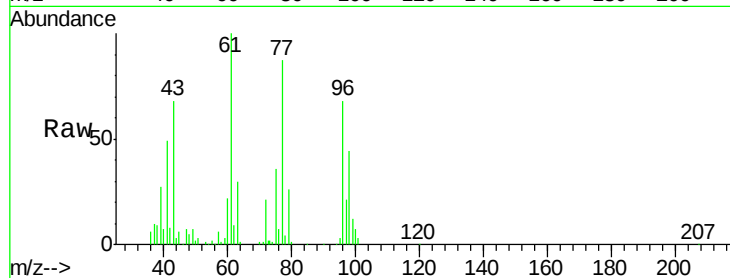
cis-1,2-Dichloroethene
 Concen: 18.888 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.9	0.0	292.4	
98	66.5	0.0	127.0	

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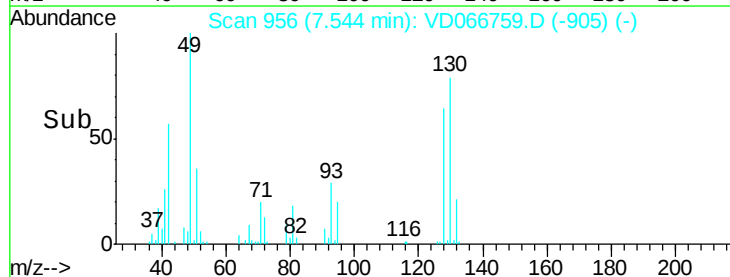
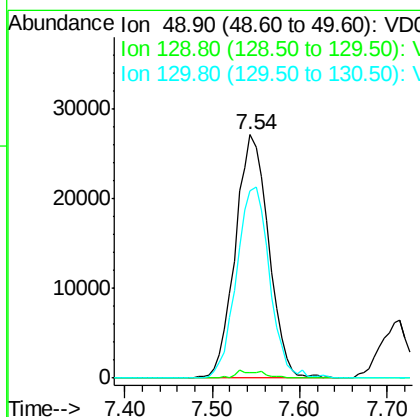
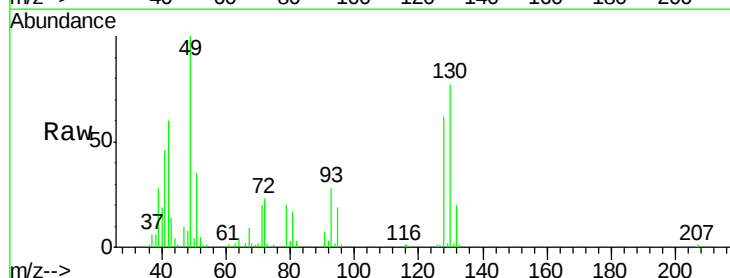
MMDadoda
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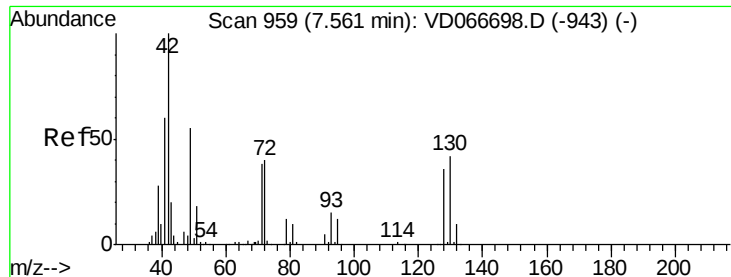


#28

Bromochloromethane
 Concen: 21.958 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.8	
130	77.5	58.6	88.0	





#29

Tetrahydrofuran

Concen: 91.129 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

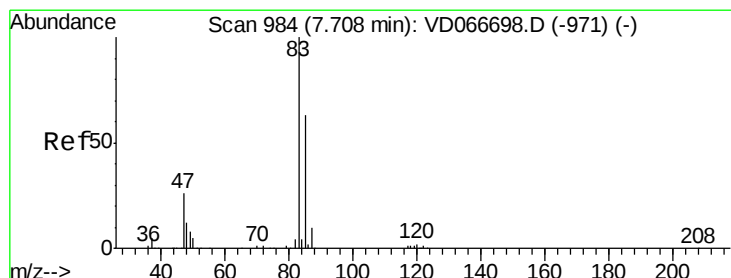
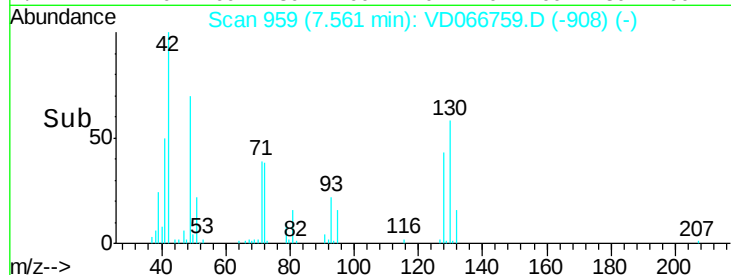
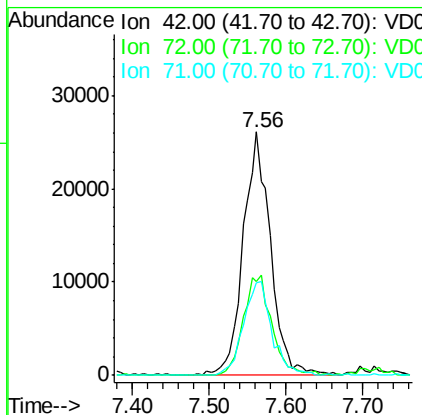
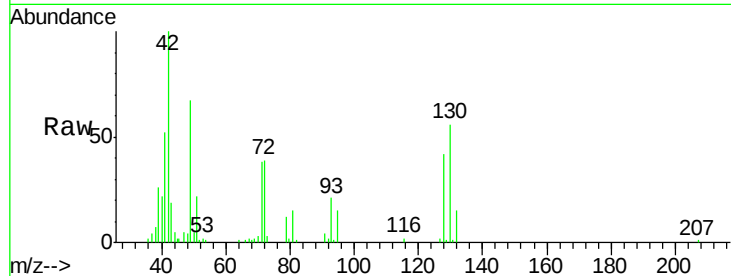
ClientSampleId :

VD0918SBS01

Tot Ion:	42	Resp:	64812
Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.6	48.8
71	39.8	30.6	45.8

Manual Integrations
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#30

Chloroform

Concen: 19.017 ug/l

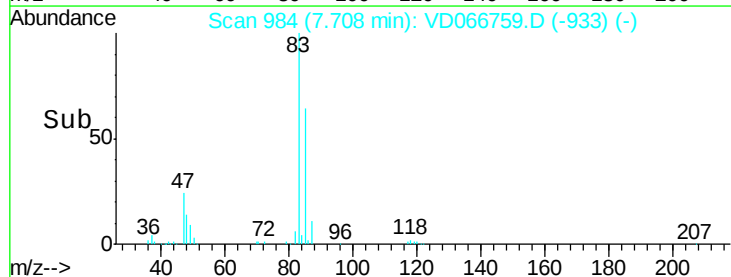
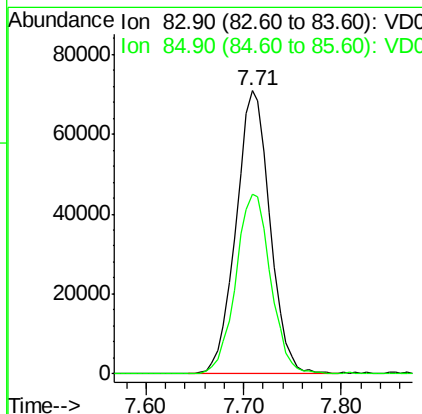
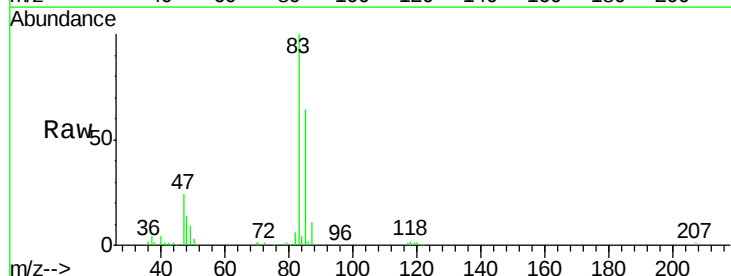
RT: 7.71 min Scan# 984

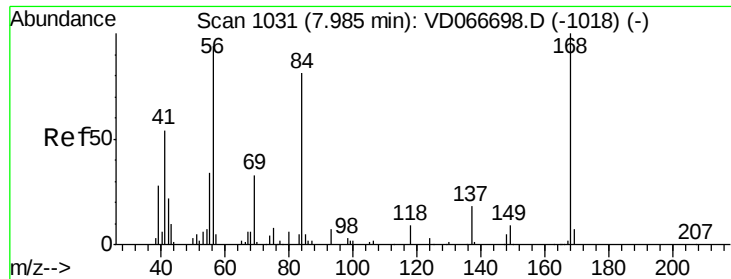
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	83	Resp:	172301
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0





#31

Cyclohexane

Concen: 19.319 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

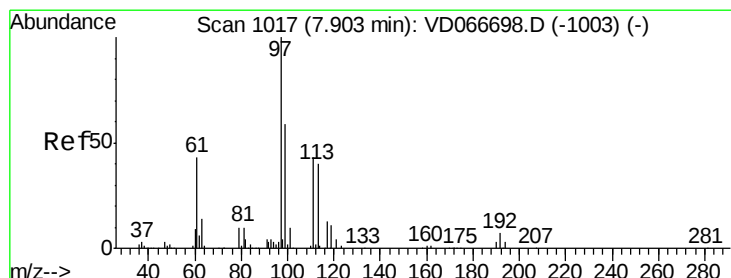
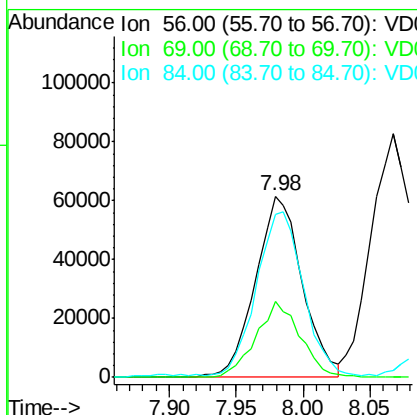
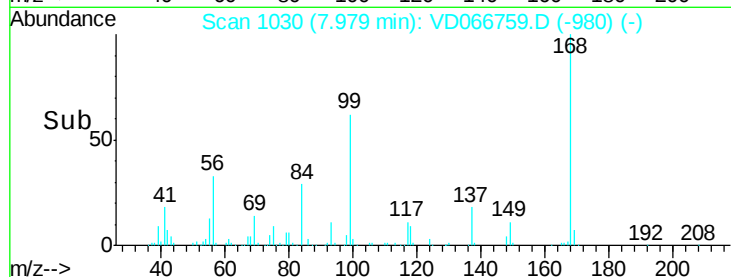
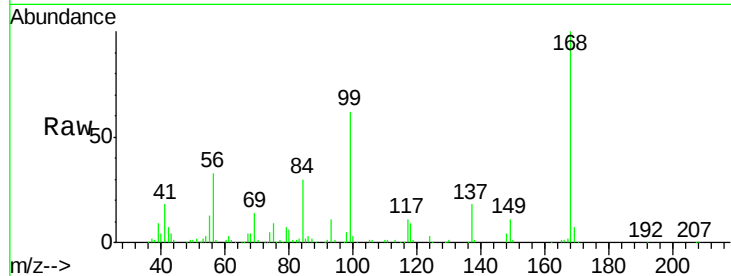
ClientSampleId :

VD0918SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		149593		
69	41.7	27.7	41.5#		
84	88.5	68.5	102.7		

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#32

1,1,1-Trichloroethane

Concen: 19.086 ug/l

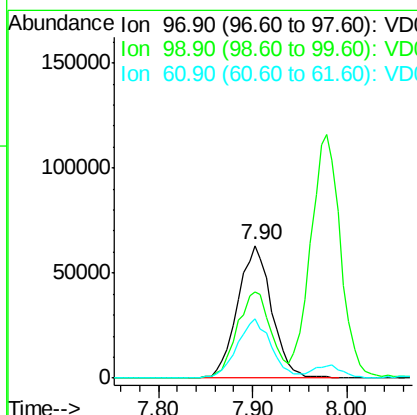
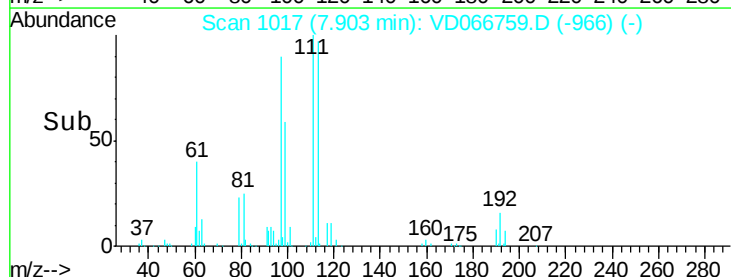
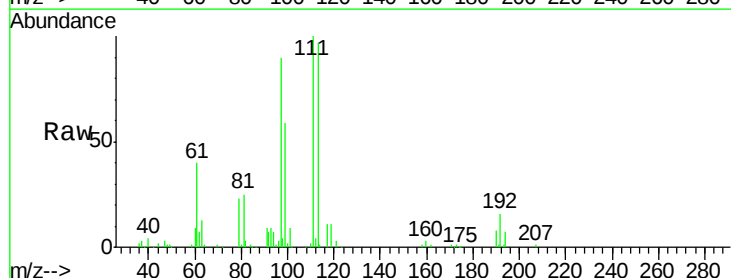
RT: 7.90 min Scan# 1017

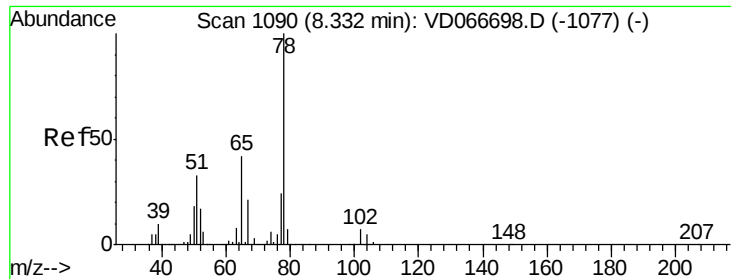
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		158242		
99	65.5	51.0	76.4		
61	44.6	35.2	52.8		





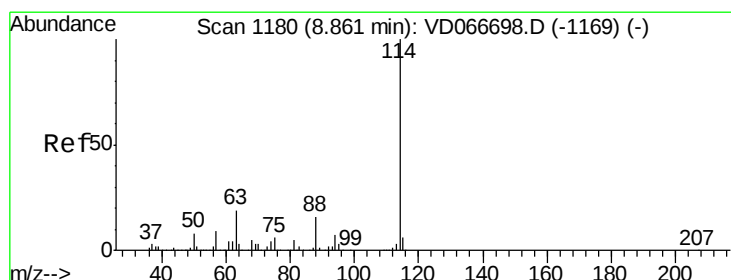
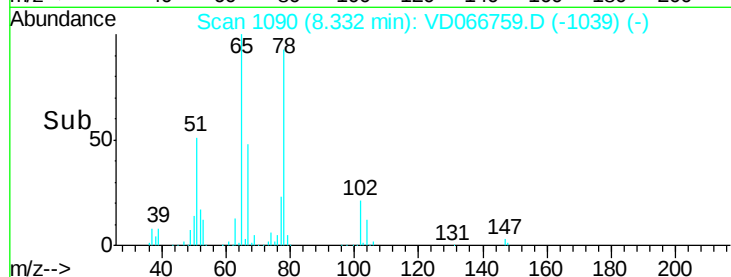
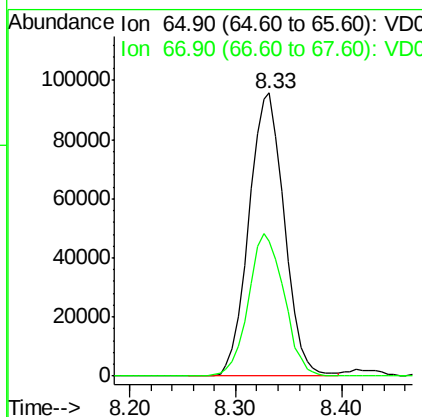
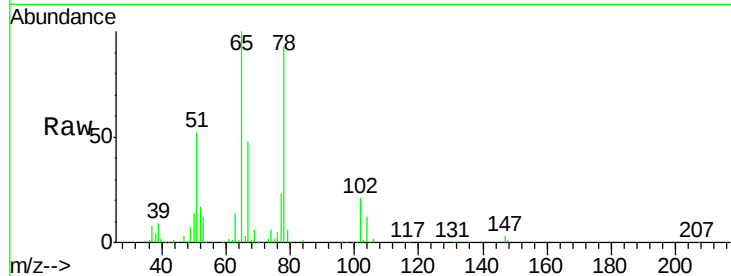
#33
 1,2-Dichloroethane-d4
 Concen: 50.811 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222741		
67	50.7	0.0	102.2	

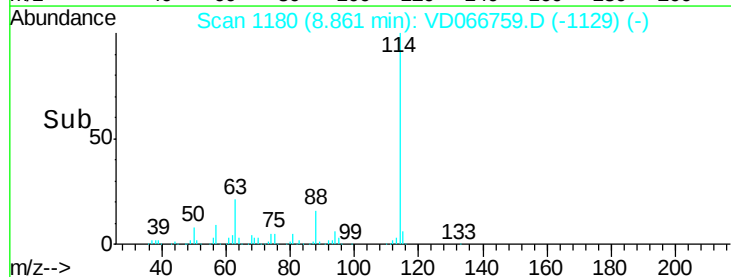
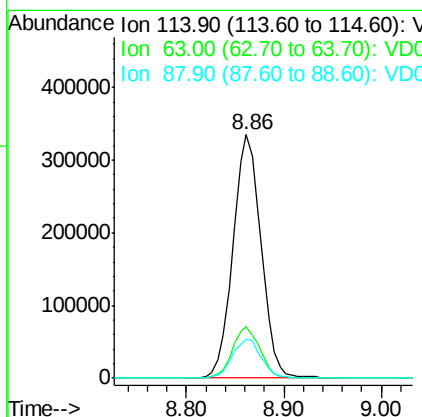
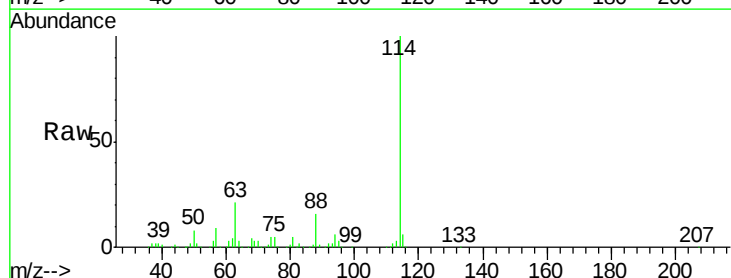
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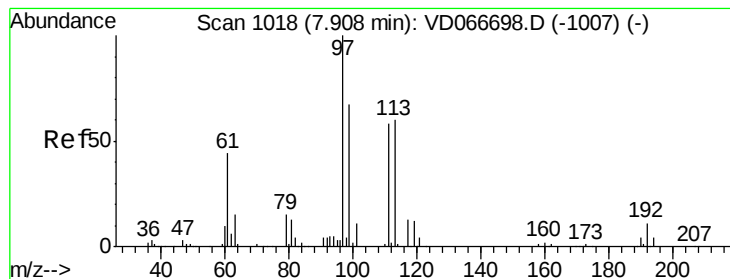
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	669992		
63	21.4	0.0	37.6	
88	15.8	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.931 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

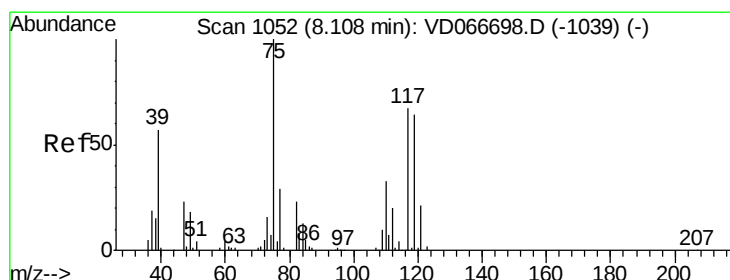
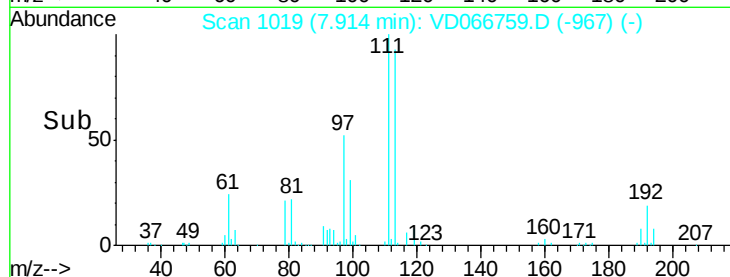
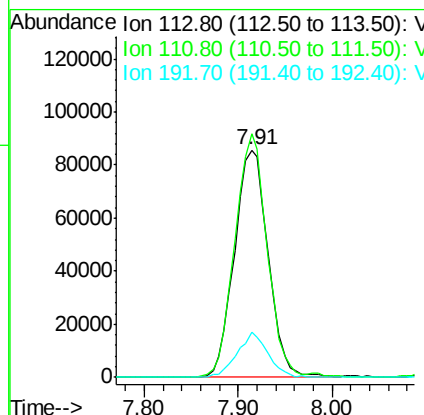
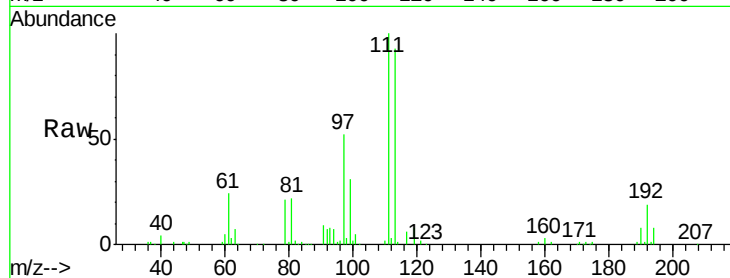
ClientSampleId :

VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213318		
111	101.9	83.2	124.8	
192	17.9	14.8	22.2	

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#36

1,1-Dichloropropene

Concen: 19.280 ug/l

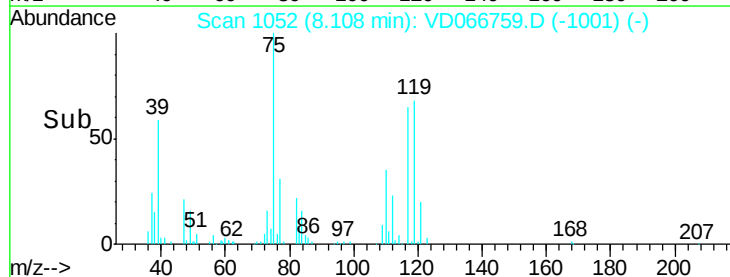
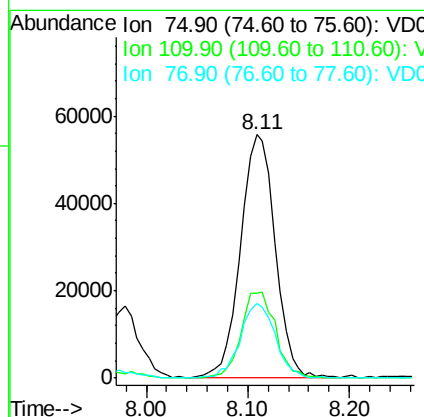
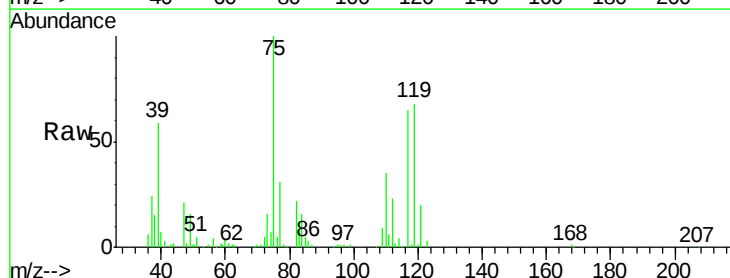
RT: 8.11 min Scan# 1052

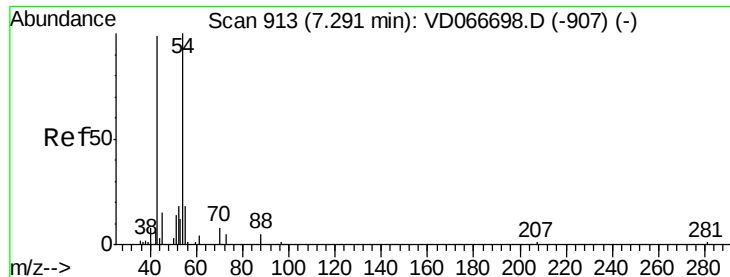
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132809		
110	35.1	17.1	51.2	
77	30.9	25.0	37.6	





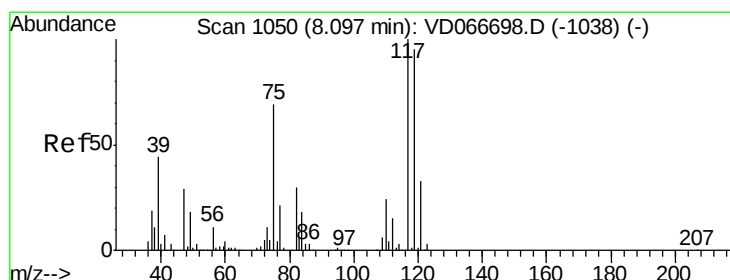
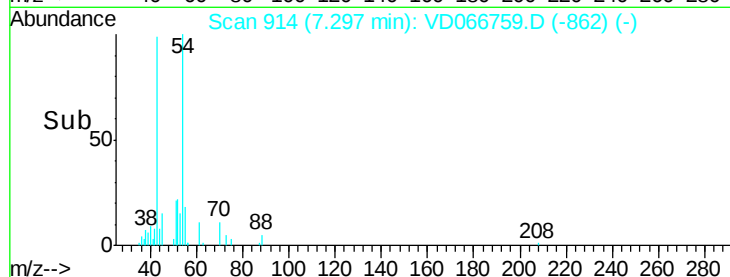
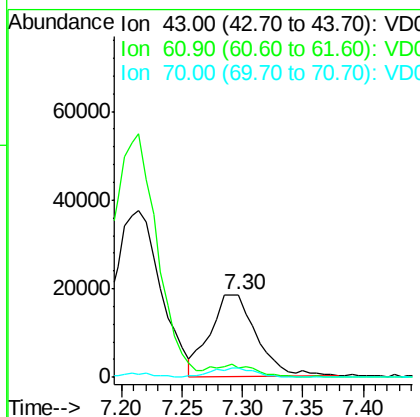
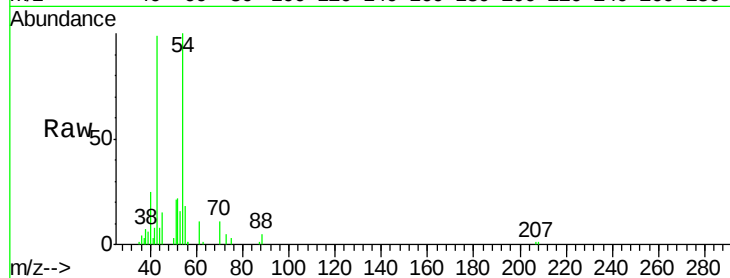
#37
Ethyl Acetate
Concen: 18.773 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	11.1	7.5	11.3

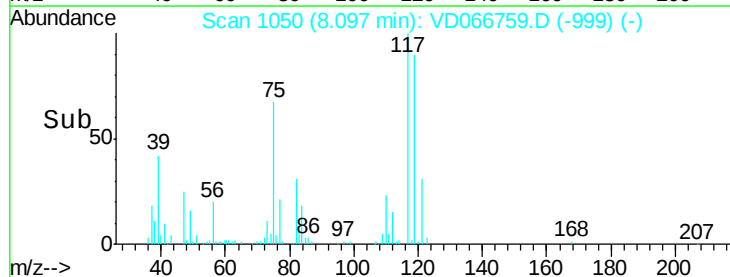
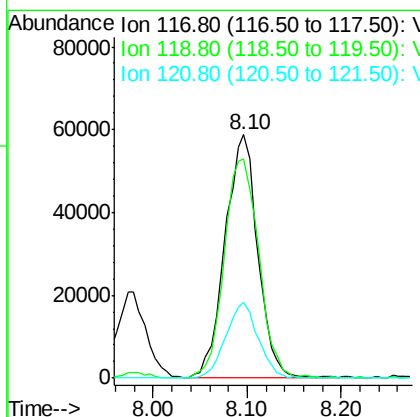
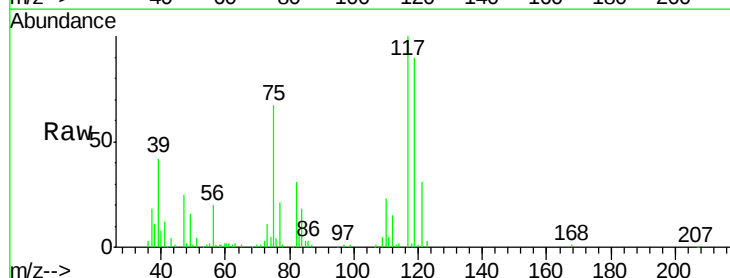
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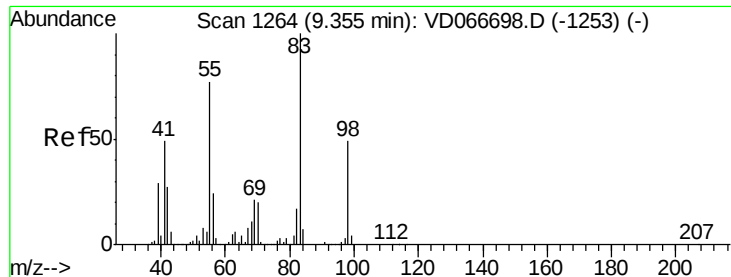
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#38
Carbon Tetrachloride
Concen: 19.297 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.8	113.6
121	31.5	26.2	39.4





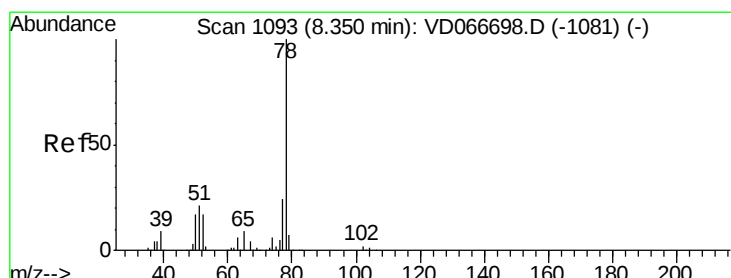
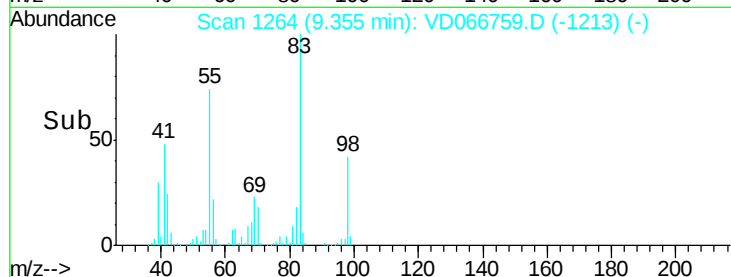
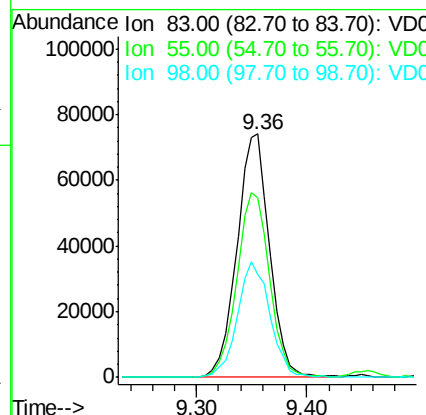
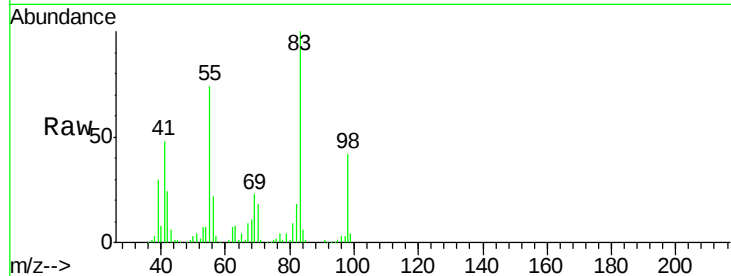
#39
Methylvlcyclohexane
Concen: 19.427 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153073		
55	73.6		61.5	92.3
98	42.1		39.3	58.9

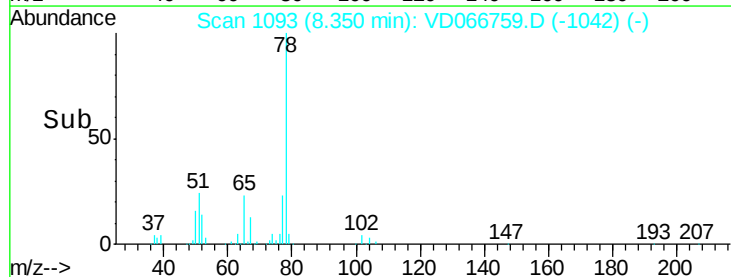
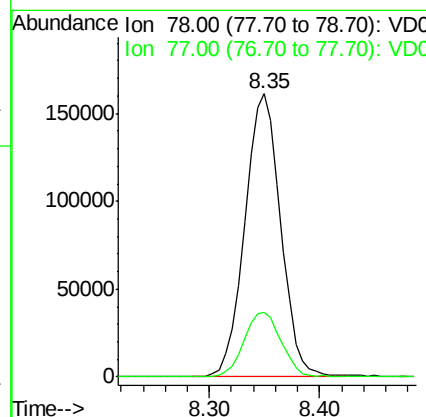
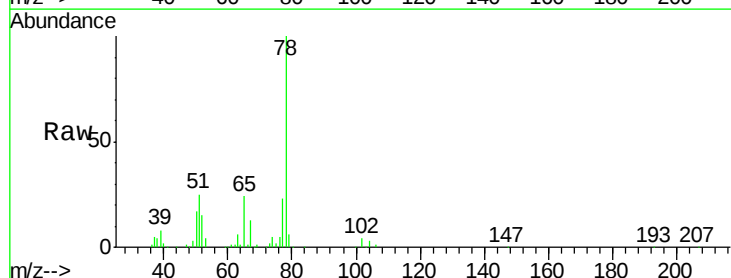
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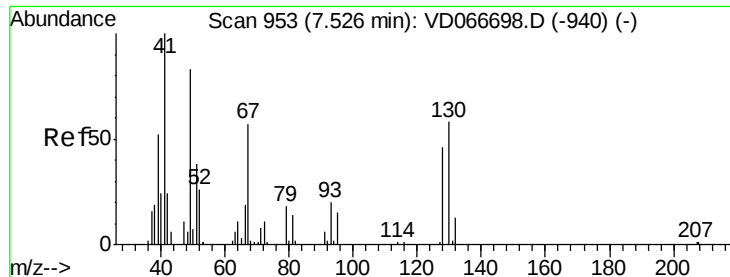
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#40
Benzene
Concen: 19.703 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	367181		
77	23.0		19.3	28.9





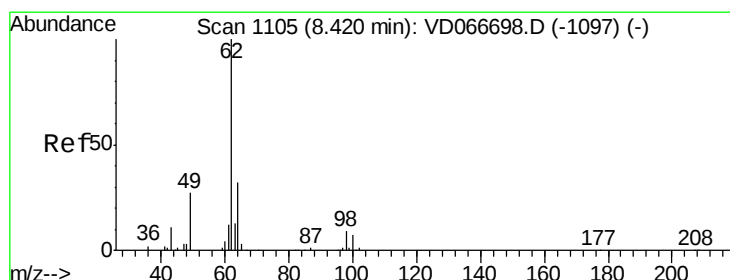
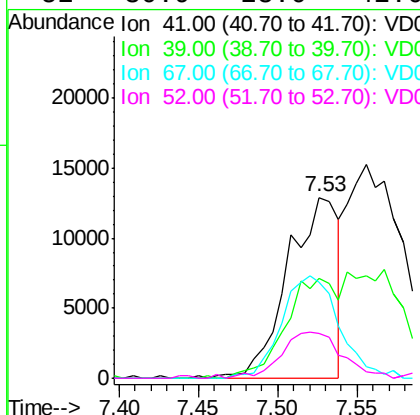
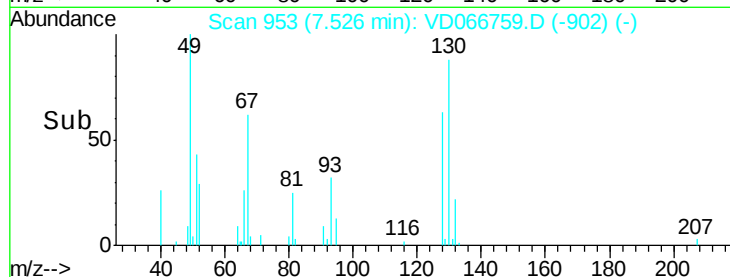
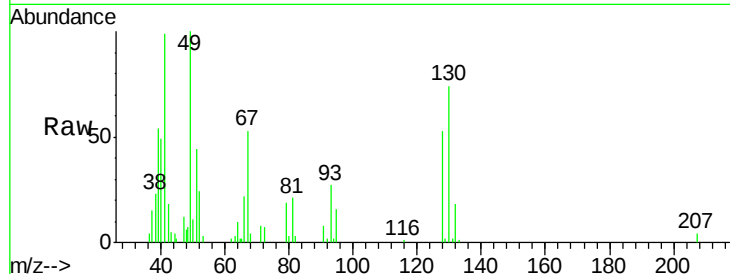
#41
Methacrylonitrile
Concen: 20.680 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	28551		
39	55.8	59.3	88.9#	
67	64.7	62.3	93.5	
52	30.9	28.0	42.0	

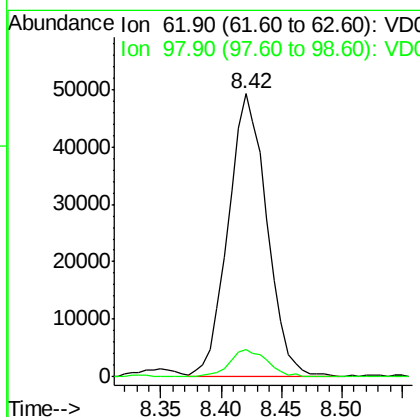
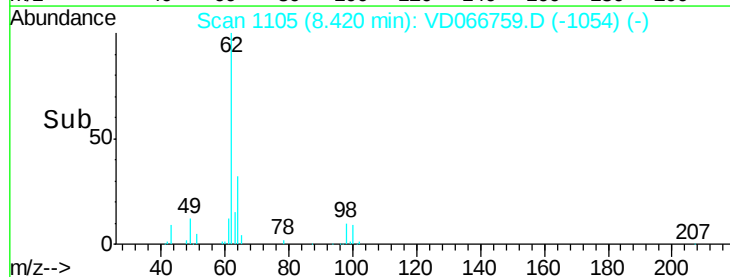
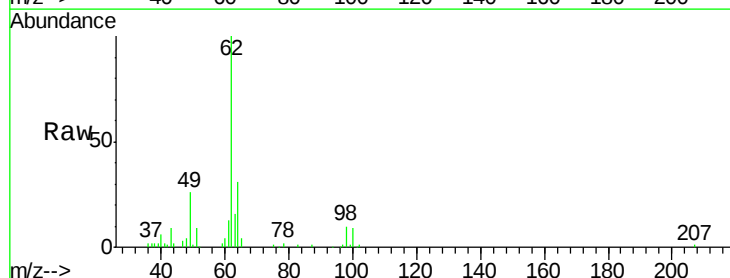
Manual Integrations
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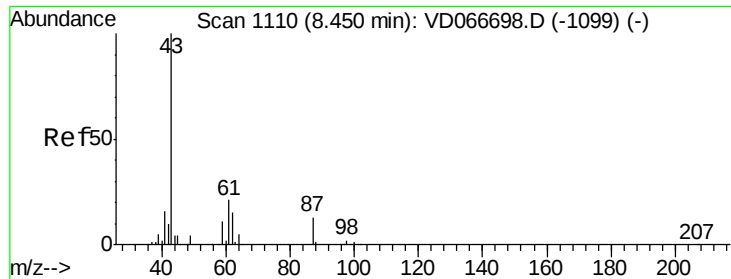
MMDadoda
9/21/2020 11:48:53 AM



#42
1,2-Dichloroethane
Concen: 19.066 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	110081		
98	9.3	0.0	17.6	





#43

Isopropyl Acetate

Concen: 18.093 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

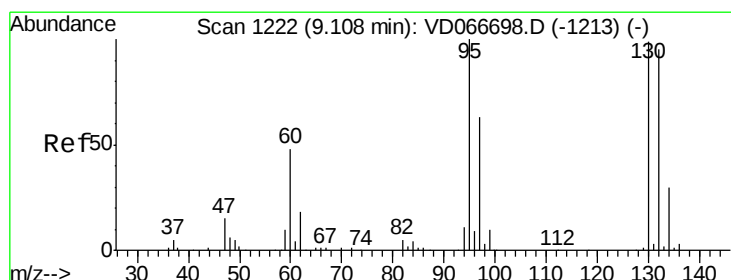
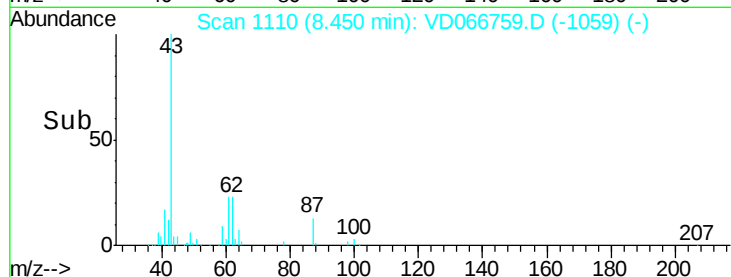
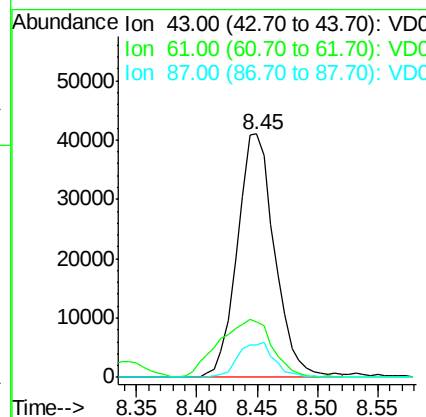
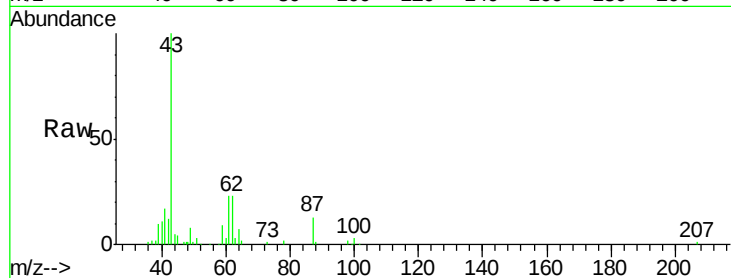
ClientSampleId :

VD0918SBS01

Tot Ion:	43	Resp:	88807
Ion	Ratio	Lower	Upper
43	100		
61	33.7	24.8	37.2
87	14.0	10.4	15.6

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#44

Trichloroethene

Concen: 19.464 ug/l

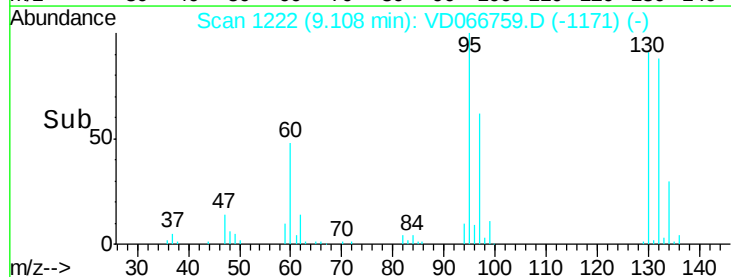
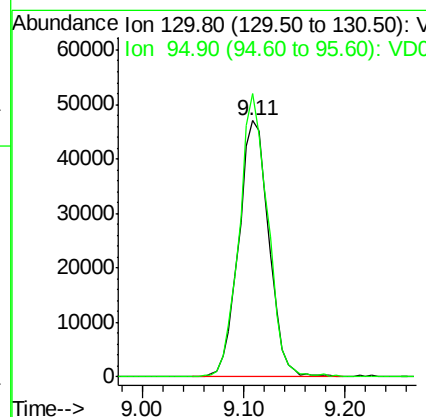
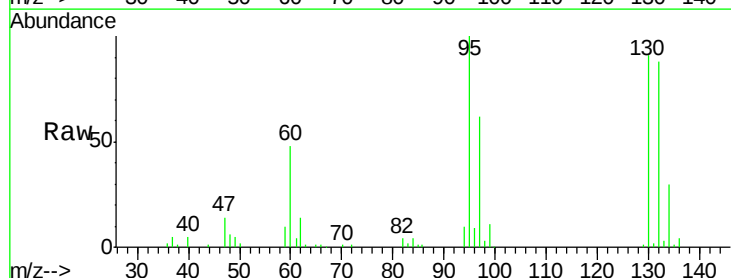
RT: 9.11 min Scan# 1222

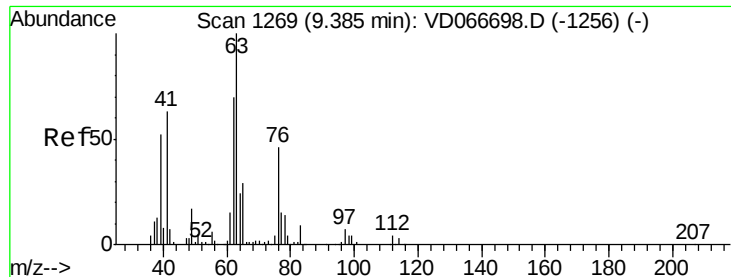
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	130	Resp:	96986
Ion	Ratio	Lower	Upper
130	100		
95	110.4	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.816 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 63 Resp: 91296

Ion Ratio Lower Upper

63 100

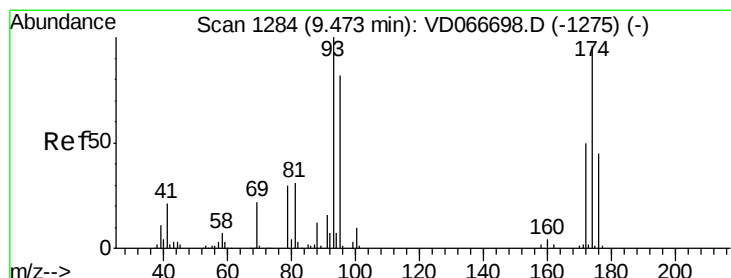
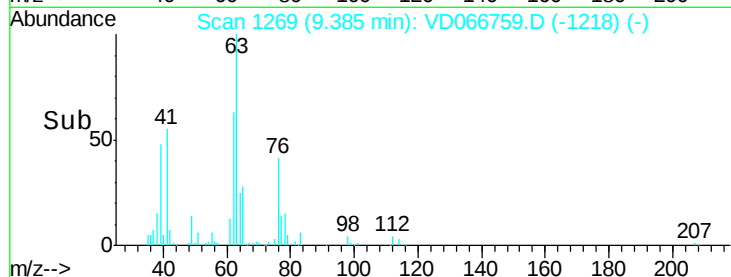
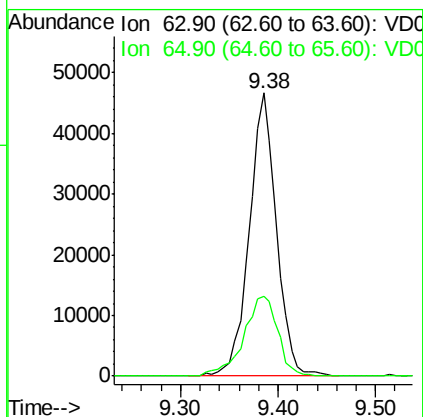
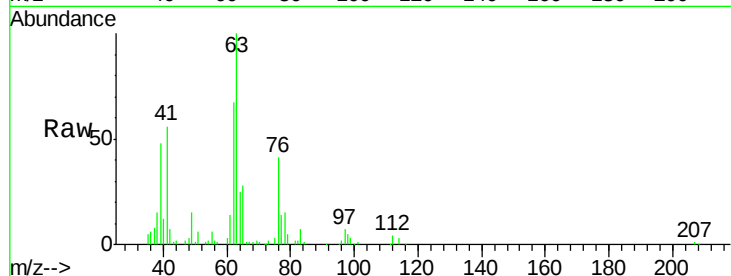
65 28.3 23.4 35.0

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#46

Dibromomethane

Concen: 19.777 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

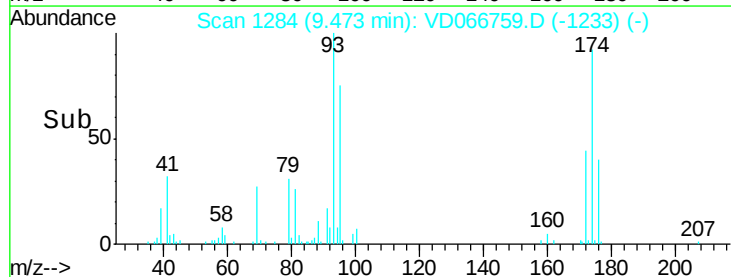
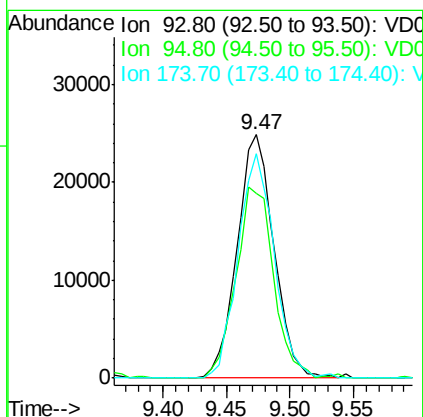
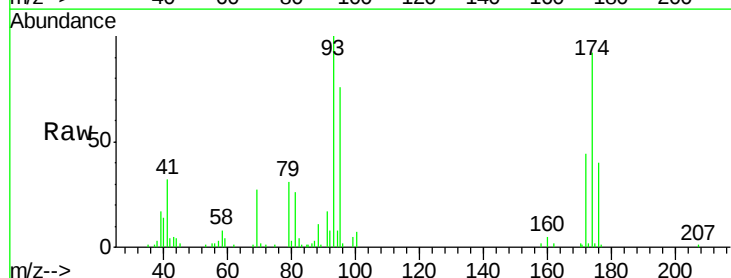
Tgt Ion: 93 Resp: 50068

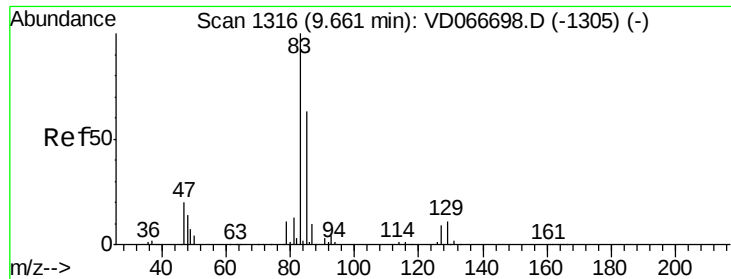
Ion Ratio Lower Upper

93 100

95 80.5 66.0 99.0

174 91.3 72.3 108.5





#47

Bromodichloromethane

Concen: 19.475 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

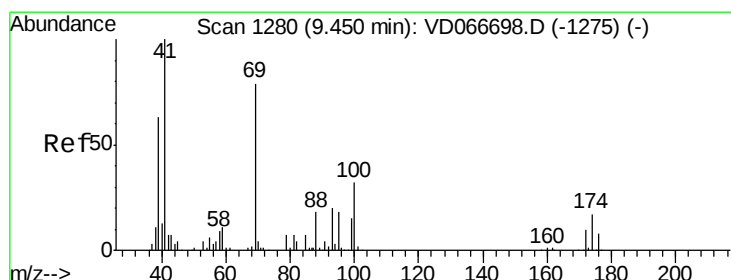
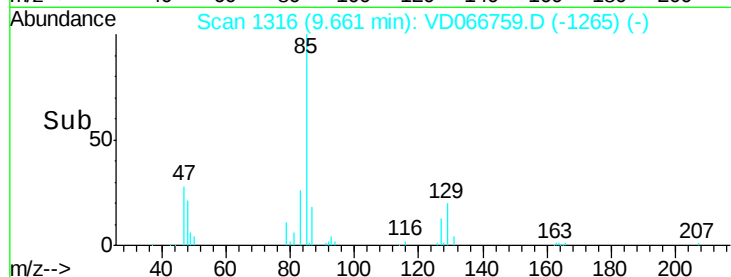
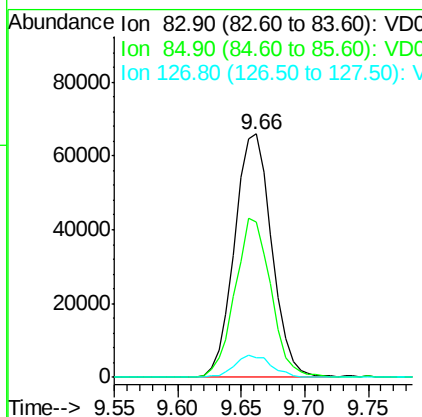
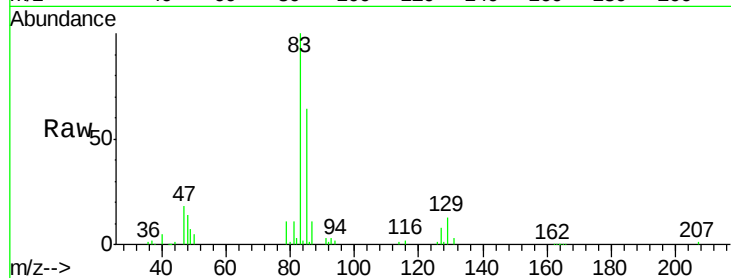
ClientSampleId :

VD0918SBS01

Tot Ion:	83	Resp:	134349
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.1	75.1
127	8.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.921 ug/l

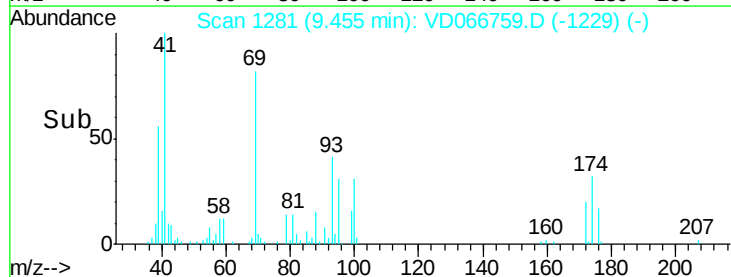
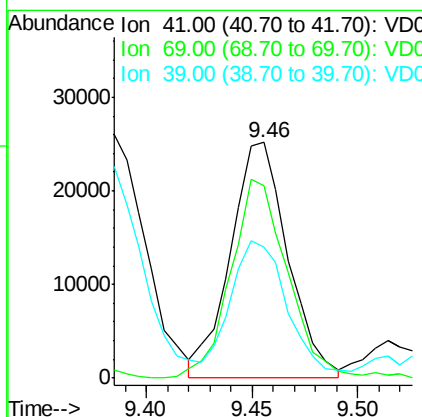
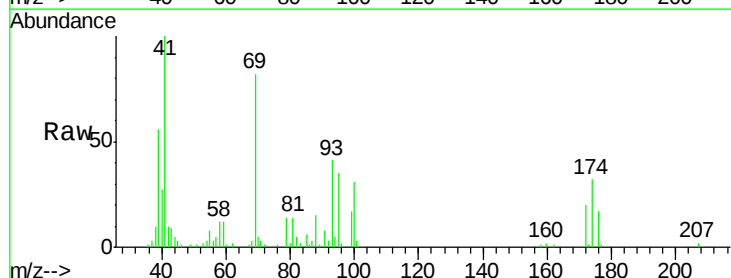
RT: 9.46 min Scan# 1281

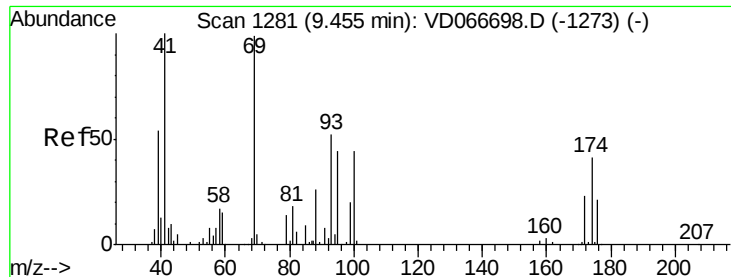
Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	41	Resp:	47241
Ion Ratio	Lower	Upper	
41	100		
69	83.8	62.4	93.6
39	52.4	44.8	67.2





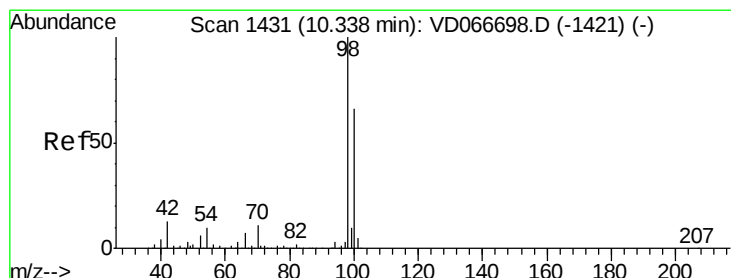
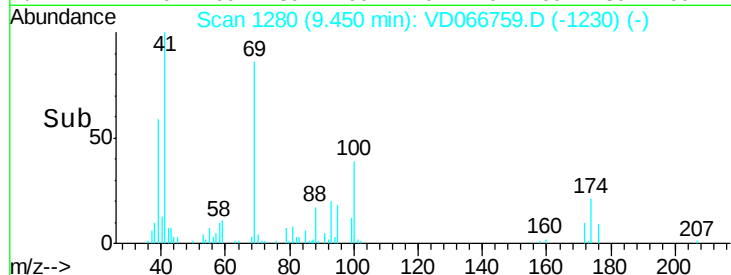
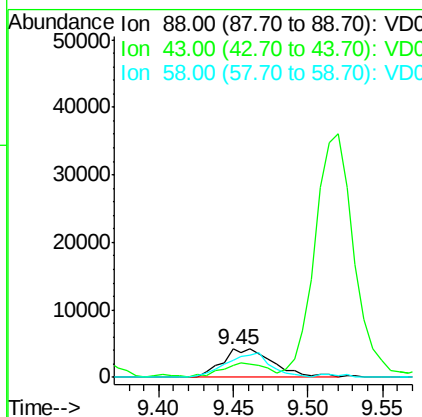
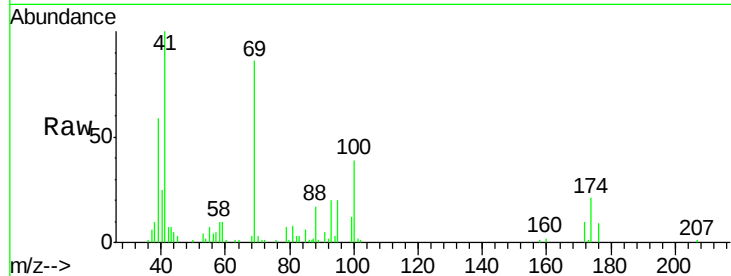
#49
1,4-Dioxane
Concen: 370.477 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	88	Resp	10047
Ion	Ratio	Lower	Upper
88	100		
43	43.6	29.3	43.9
58	74.0	51.4	77.2

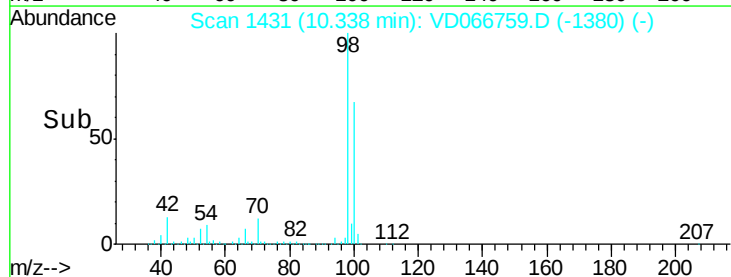
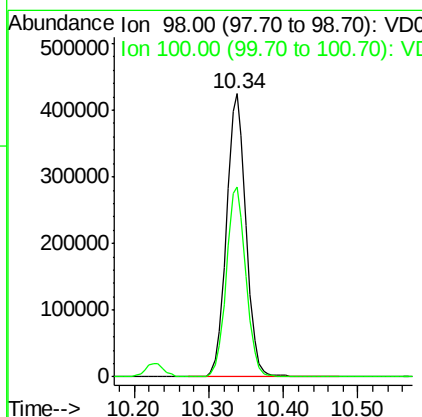
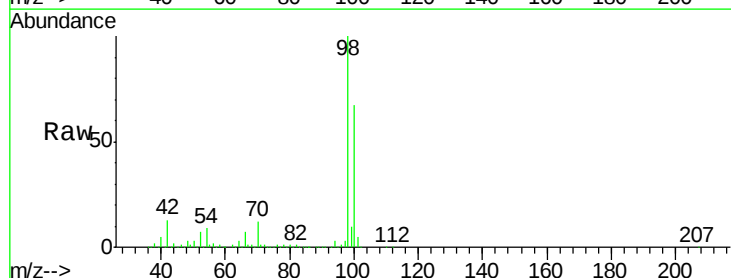
Manual Integrations
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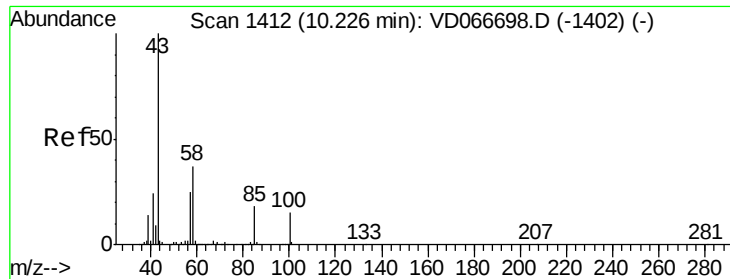
MMDadoda
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#50
Toluene-d8
Concen: 52.652 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	98	Resp	770544
Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.7	79.1





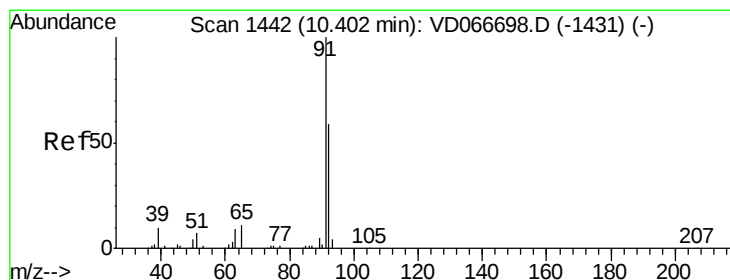
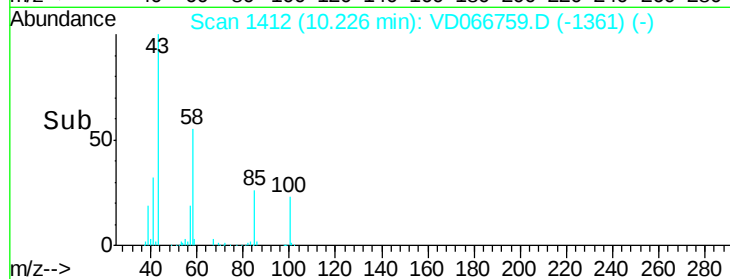
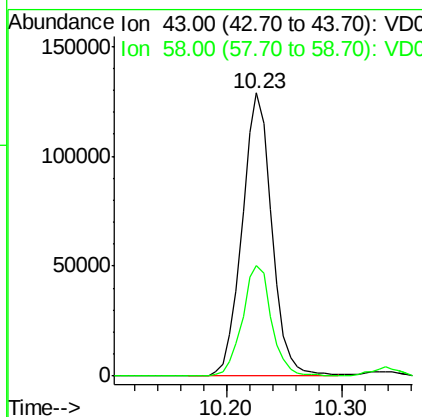
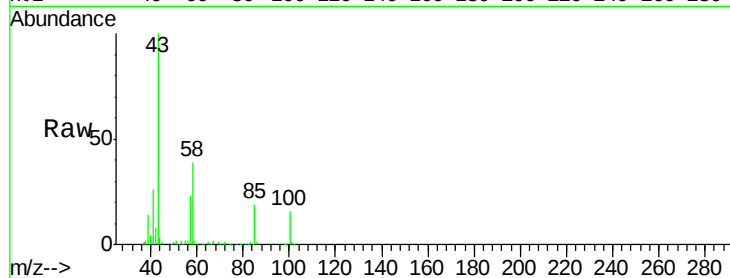
#51
4-Methyl-2-Pentanone
Concen: 91.013 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.4	45.6

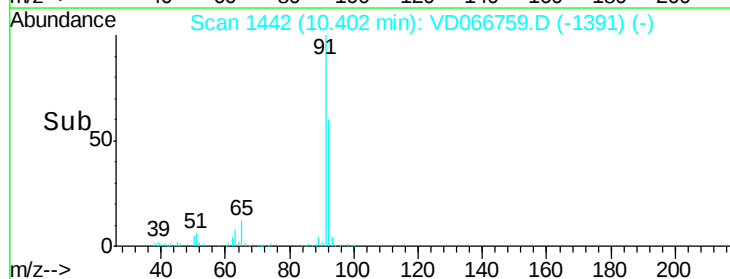
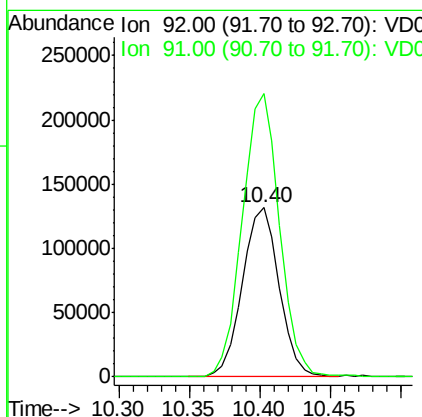
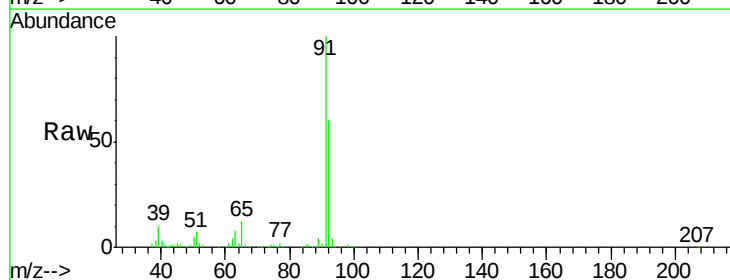
Manual Integrations
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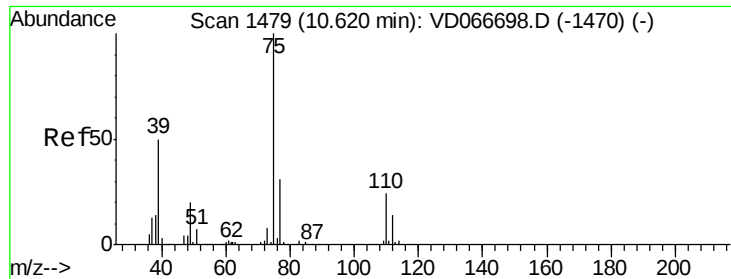
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#52
Toluene
Concen: 20.170 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.4	135.8	203.8





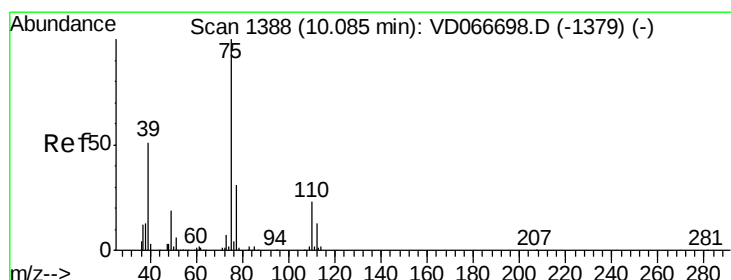
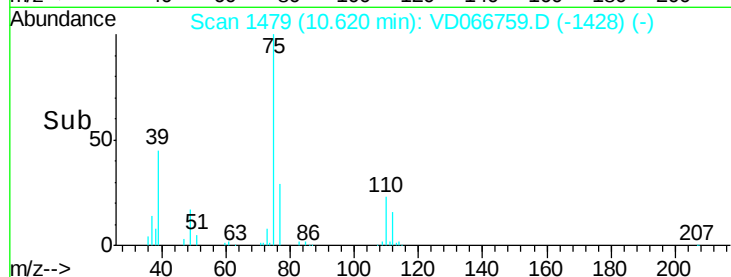
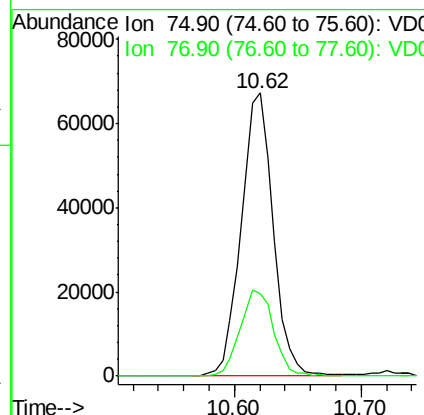
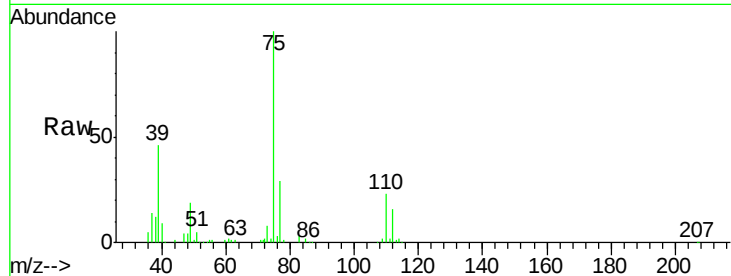
#53
t-1,3-Dichloropropene
Concen: 19.084 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 75 Resp: 117610
Ion Ratio Lower Upper
75 100
77 29.1 24.6 36.8

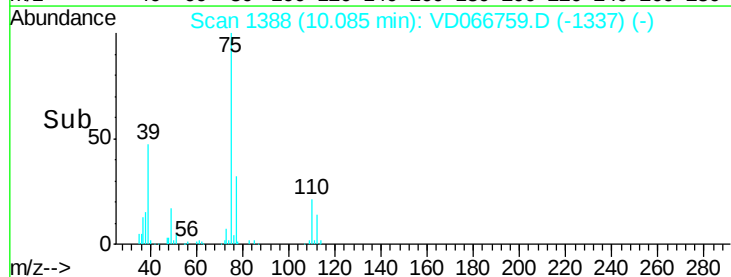
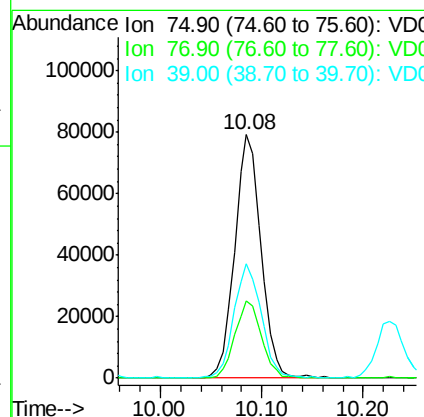
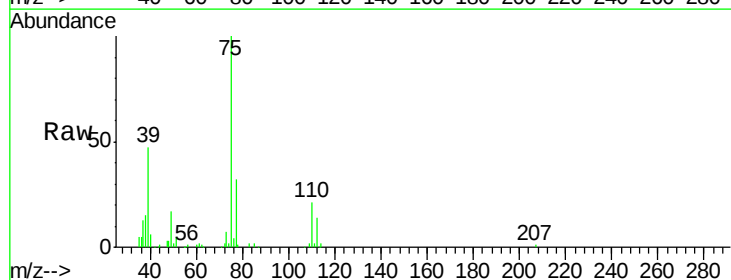
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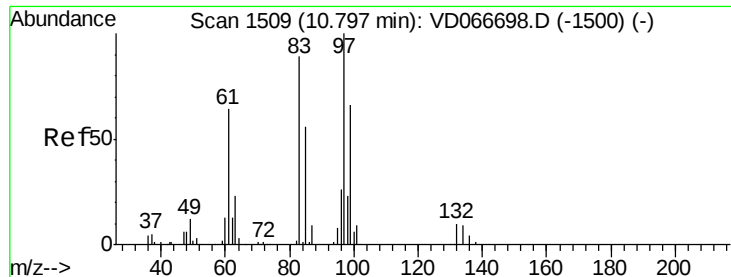
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.449 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 75 Resp: 142364
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 46.7 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 19.729 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 97 Resp: 65855

Ion Ratio Lower Upper

97 100

83 83.3 71.4 107.2

85 50.6 44.7 67.1

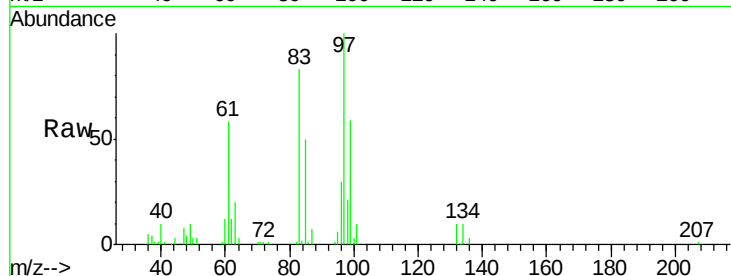
99 59.2 52.4 78.6

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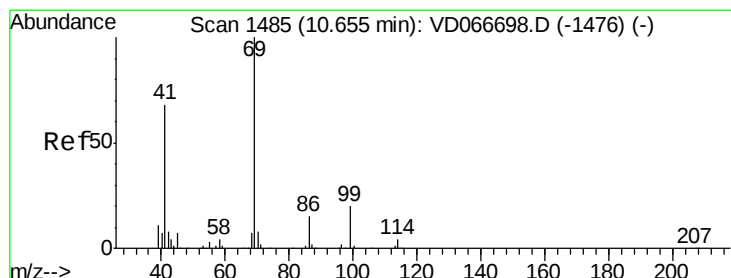
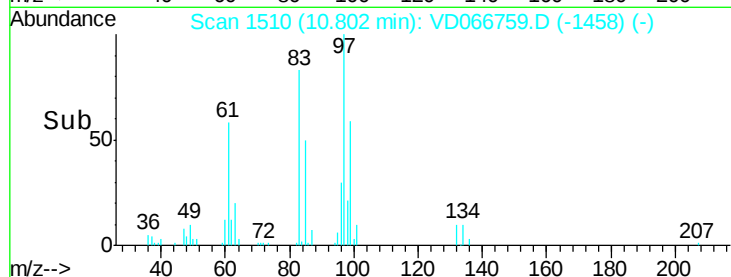
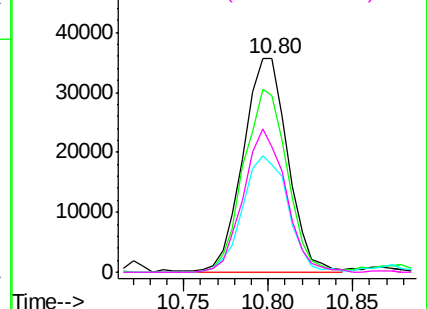


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.241 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

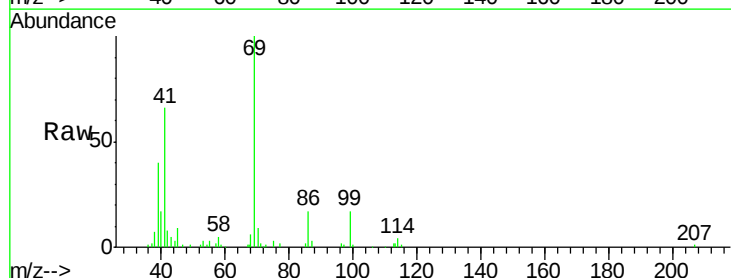
Tgt Ion: 69 Resp: 69096

Ion Ratio Lower Upper

69 100

41 66.8 55.5 83.3

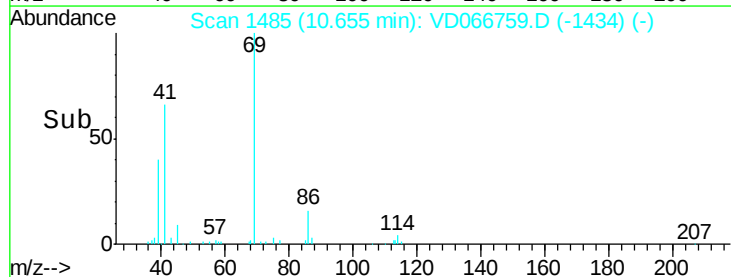
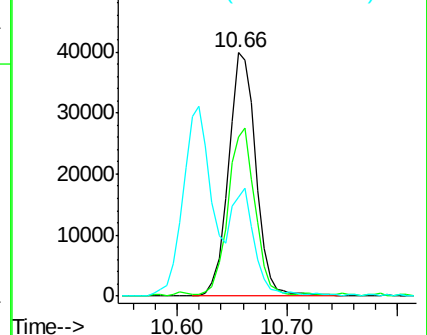
39 36.3 29.7 44.5

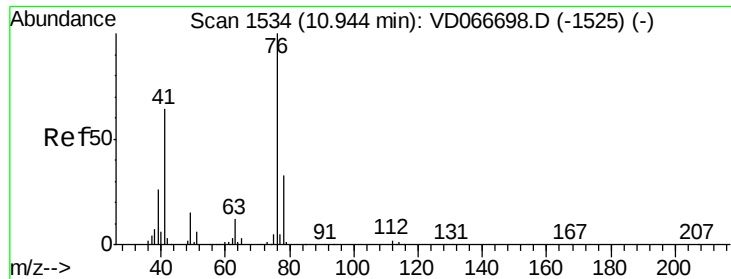


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.041 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 76 Resp: 111540

Ion Ratio Lower Upper

76 100

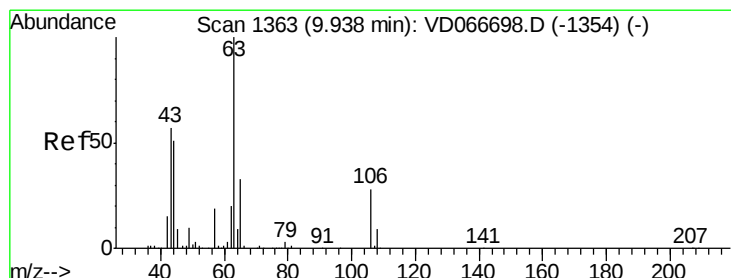
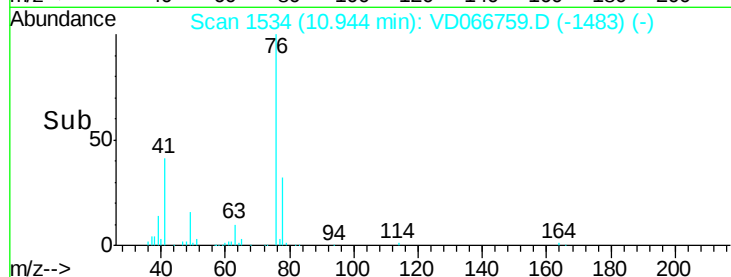
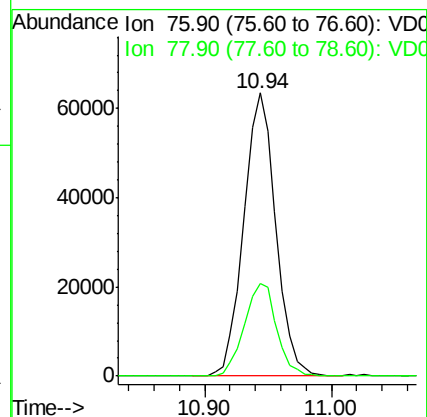
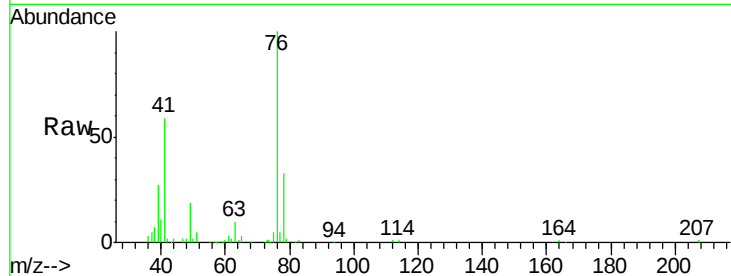
78 33.2 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 118.053 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066759.D

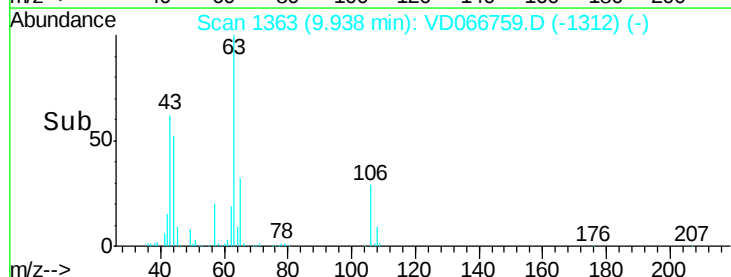
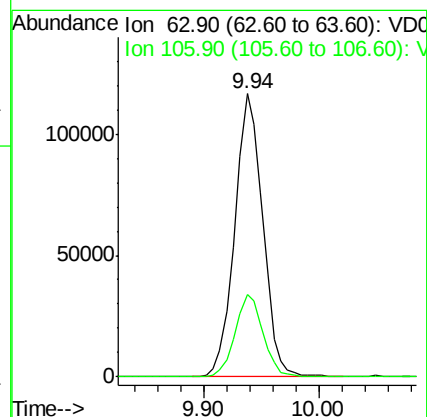
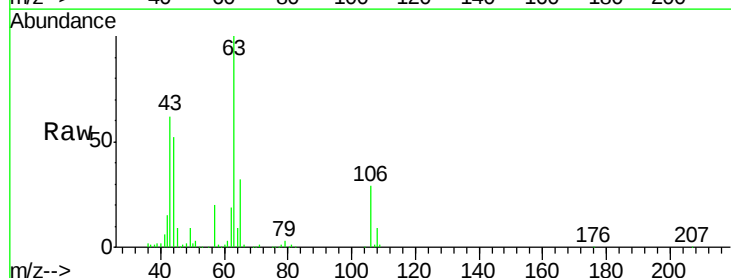
Acq: 18 Sep 2020 12:01

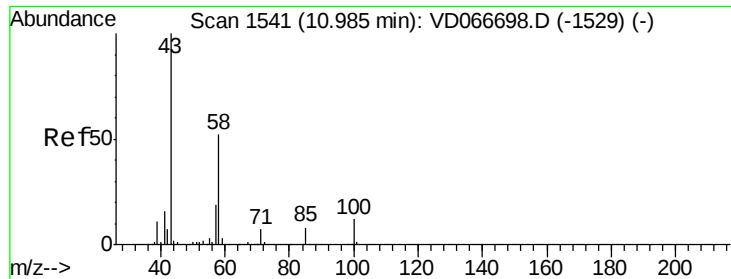
Tgt Ion: 63 Resp: 196395

Ion Ratio Lower Upper

63 100

106 28.9 22.2 33.4





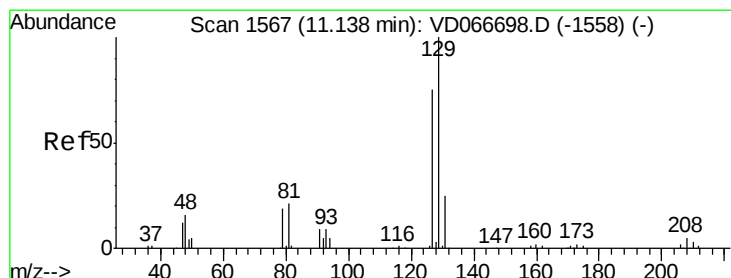
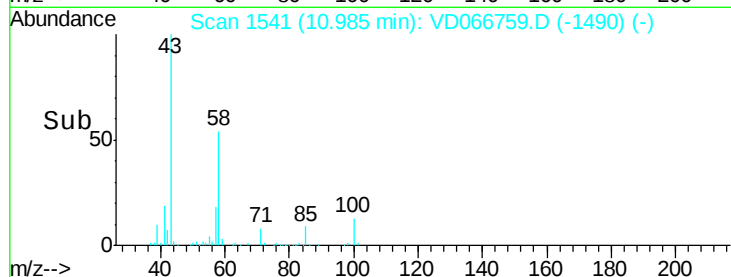
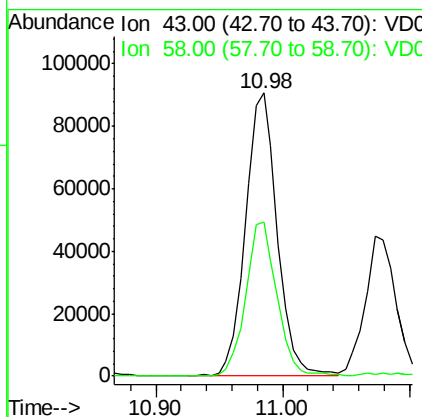
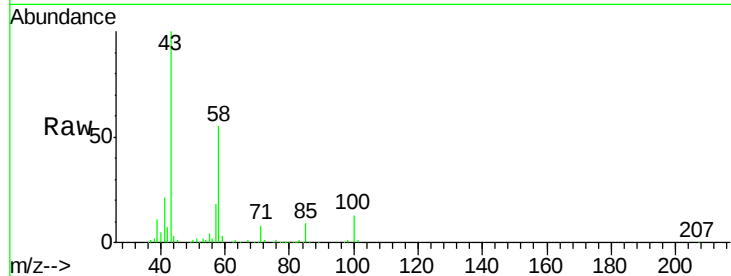
#59
2-Hexanone
Concen: 93.029 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 43 Resp: 157959
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5

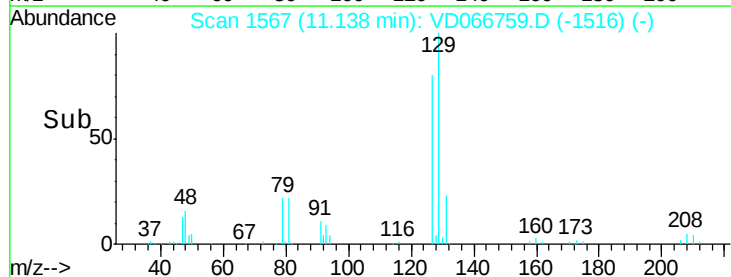
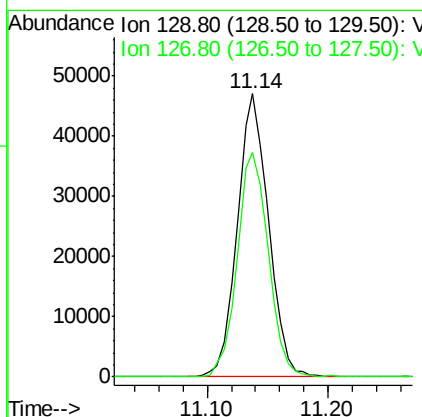
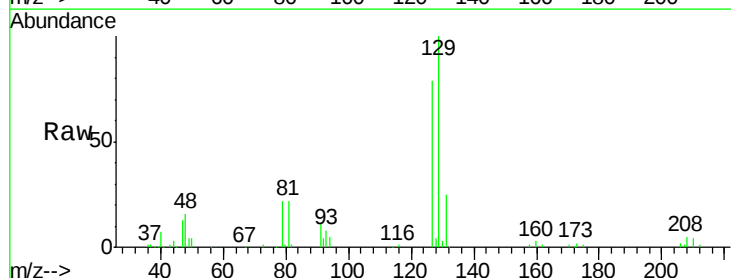
Manual Integrations
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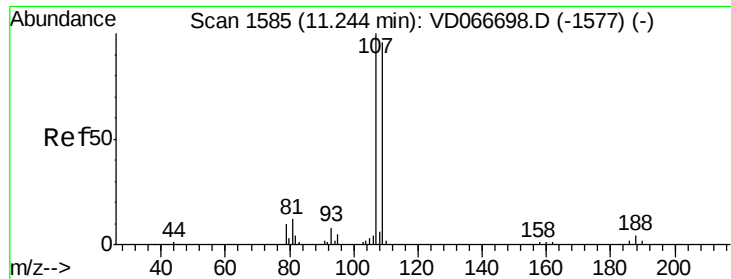
MMDadoda
9/21/2020 11:48:53 AM



#60
Dibromochloromethane
Concen: 19.465 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 129 Resp: 84661
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.3





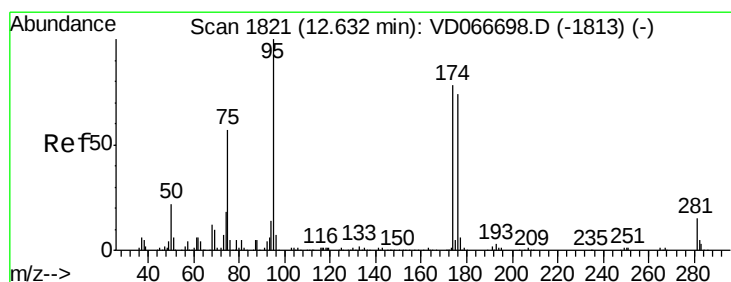
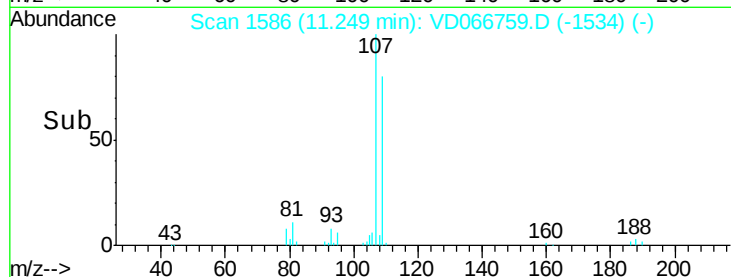
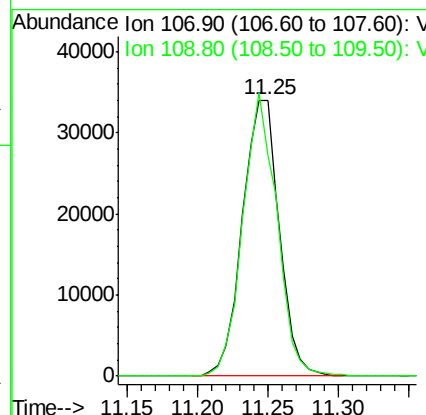
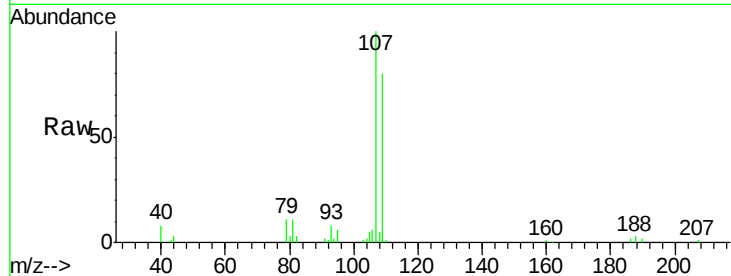
#61
 1,2-Dibromoethane
 Concen: 19.449 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion: 107 Resp: 62274
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.6 113.4

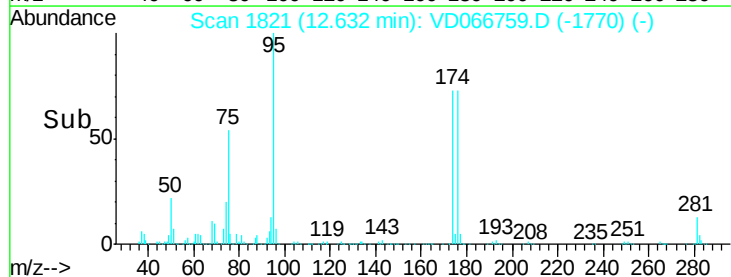
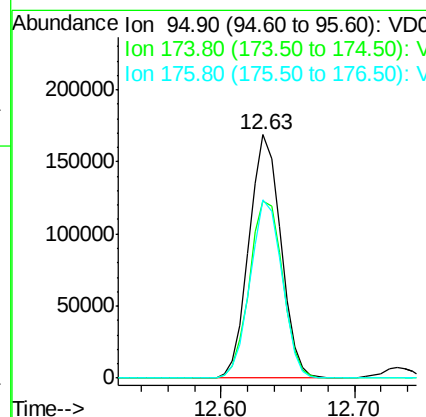
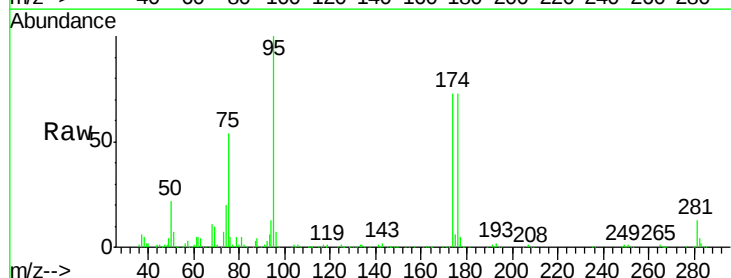
Manual Integrations
 APPROVED

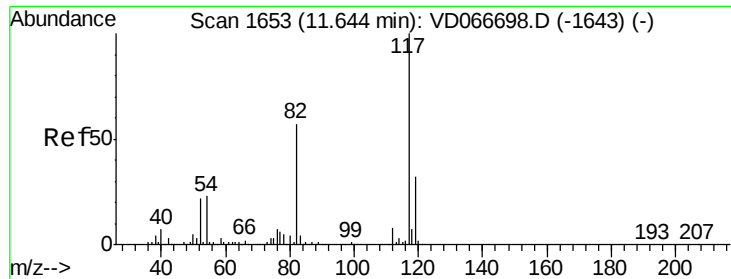
MMDadoda
 9/21/2020 11:48:53 AM



#62
 4-Bromofluorobenzene
 Concen: 54.846 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 95 Resp: 277067
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 156.6
 176 73.5 0.0 150.2





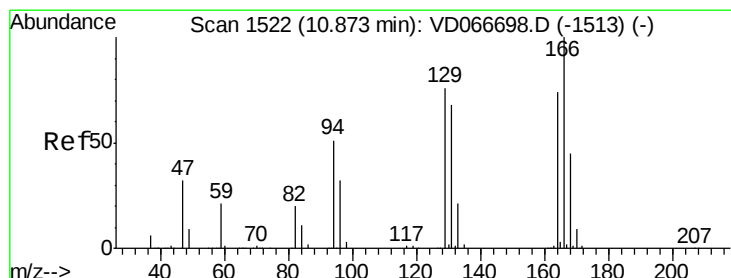
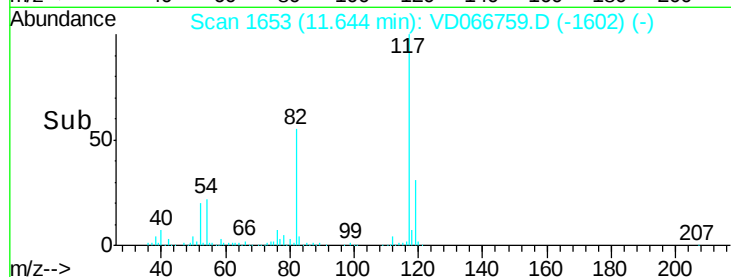
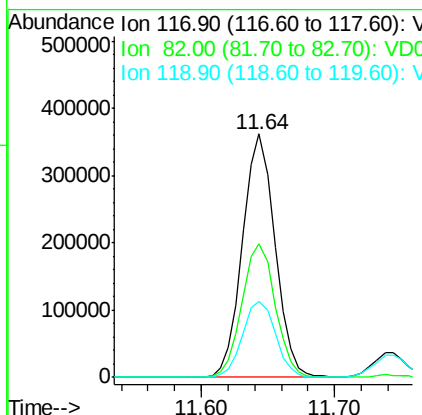
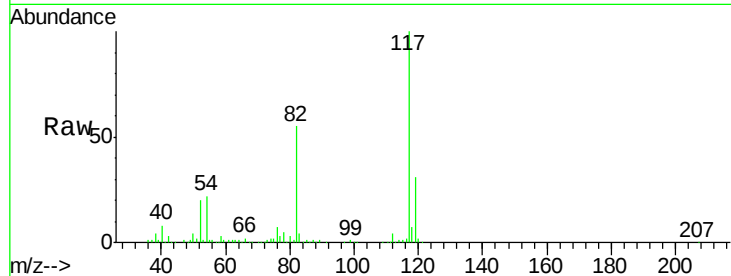
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	609747		
82	54.8		45.4	68.0
119	31.2		25.8	38.6

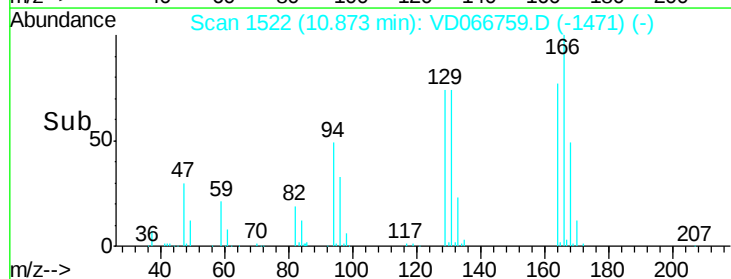
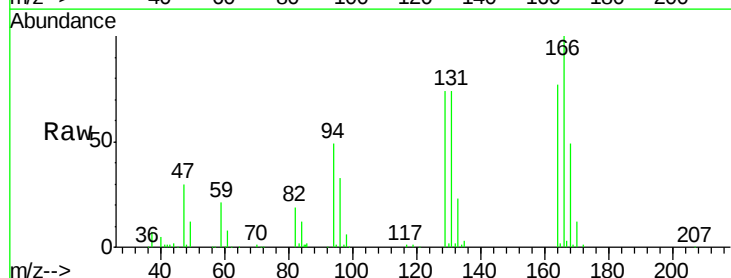
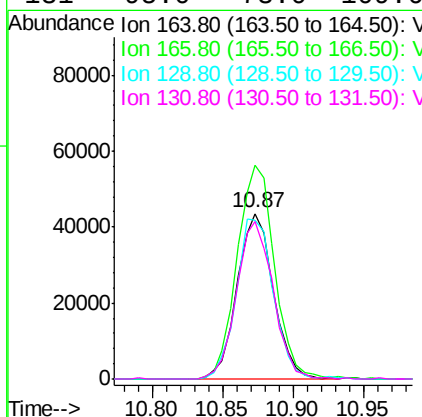
Manual Integrations
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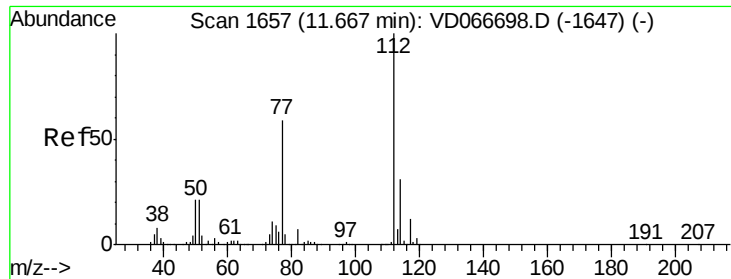
MMDadoda
9/21/2020 11:48:53 AM



#64
Tetrachloroethene
Concen: 18.786 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78195		
166	129.2		107.5	161.3
129	96.0		81.4	122.0
131	95.0		73.0	109.6





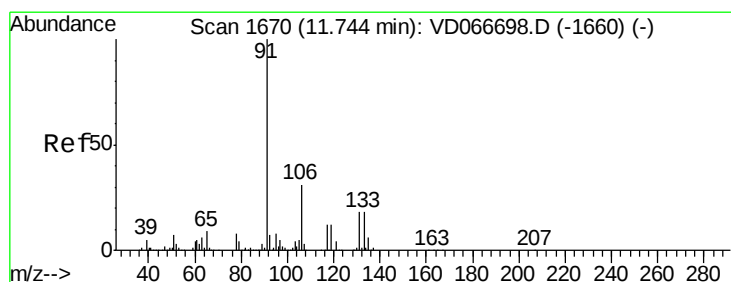
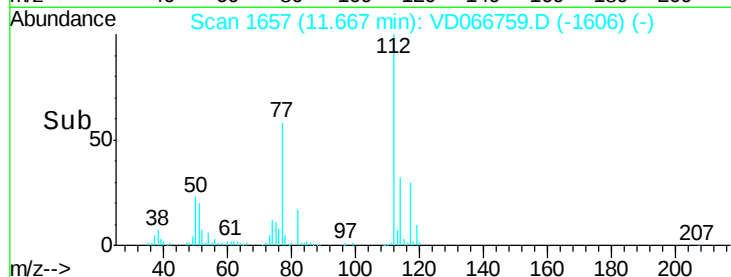
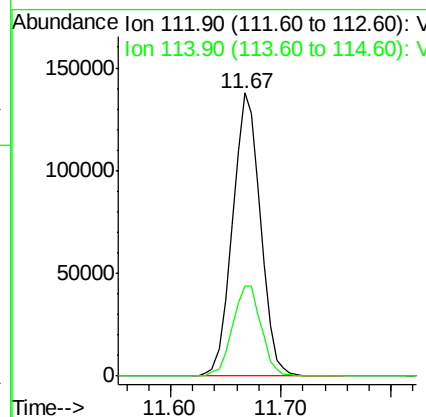
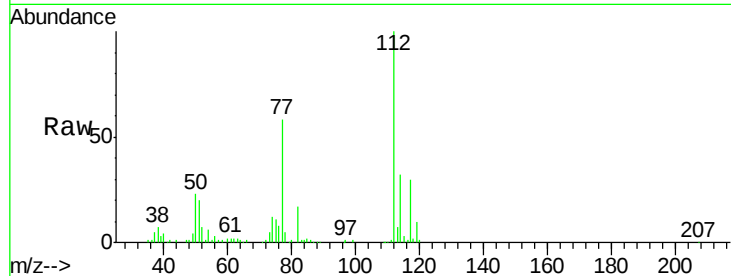
#65
Chlorobenzene
Concen: 19.333 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6

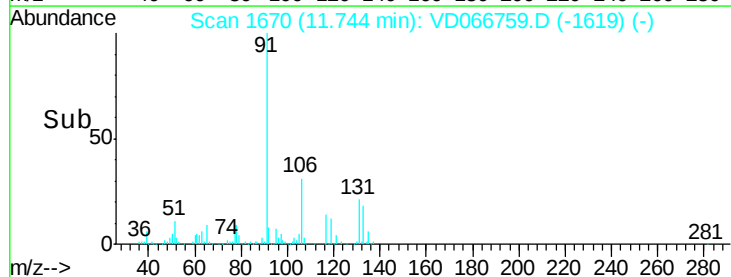
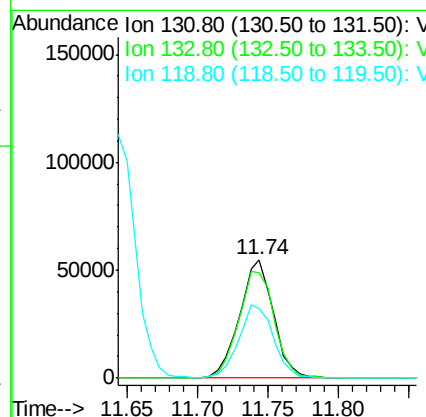
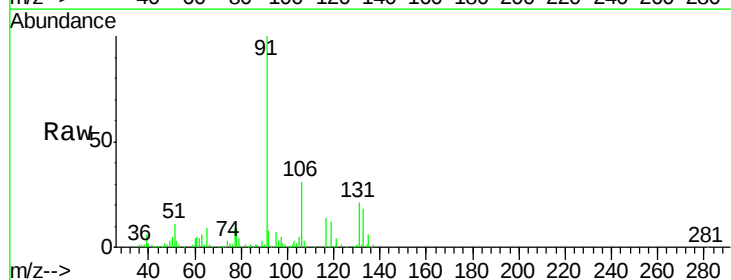
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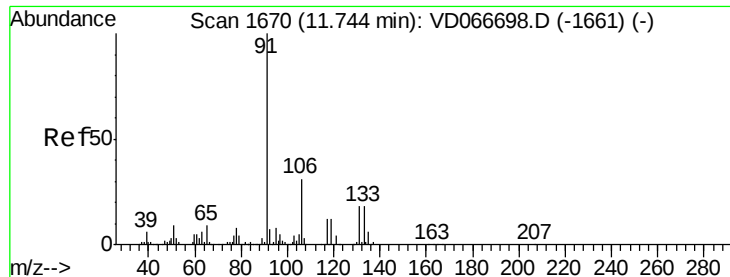
MMDadoda
9/21/2020 11:48:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.692 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.3
119	63.6	33.6	100.8





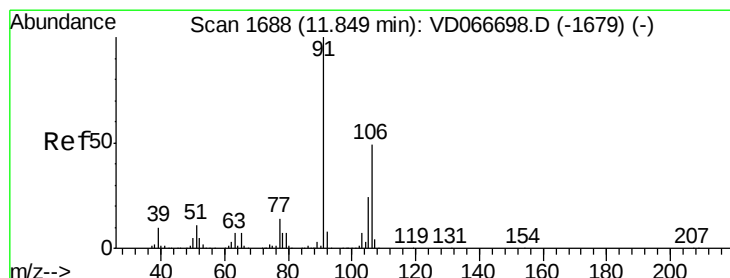
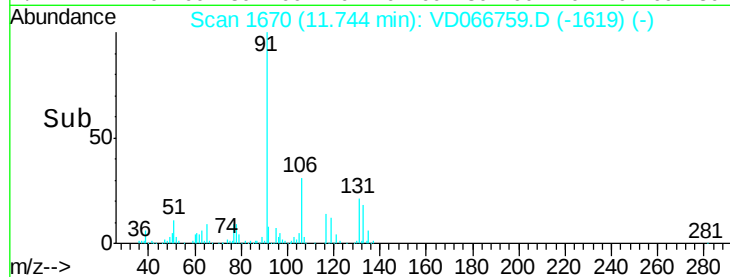
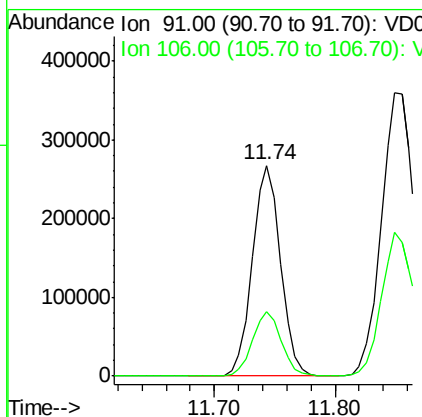
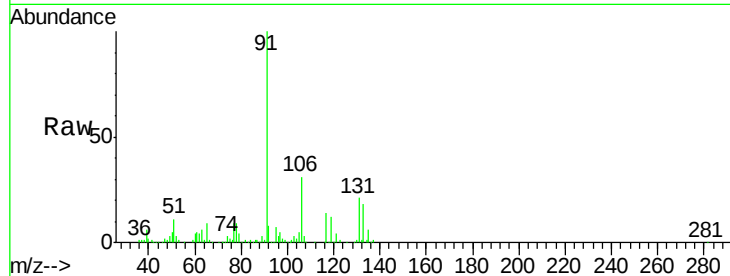
#67
Ethyl Benzene
Concen: 19.103 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 91 Resp: 436817
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

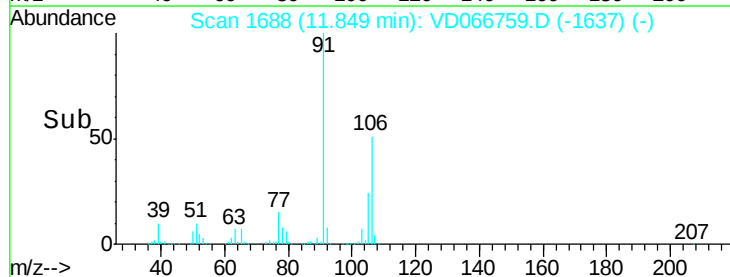
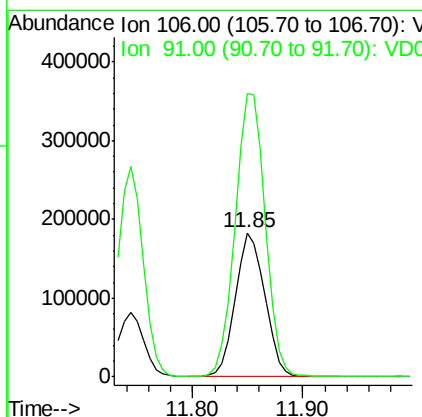
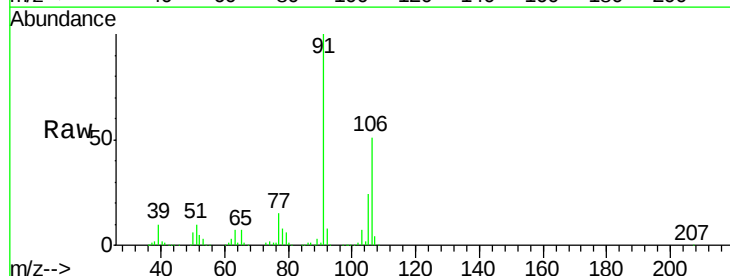
Manual Integrations
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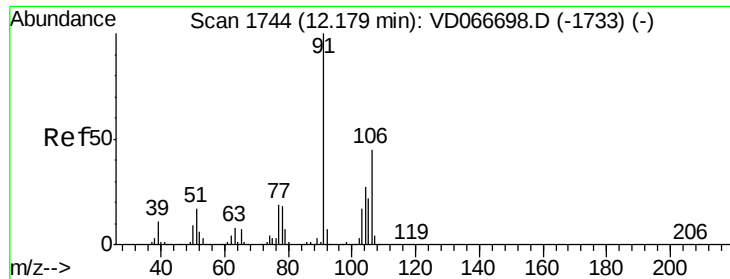
MMDadoda
9/21/2020 11:48:53 AM



#68
m/p-Xylenes
Concen: 39.694 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 106 Resp: 343055
Ion Ratio Lower Upper
106 100
91 201.0 164.8 247.2





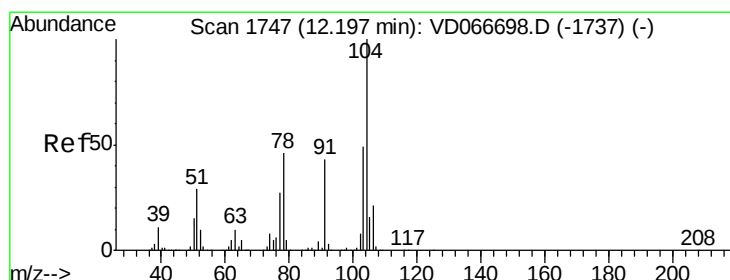
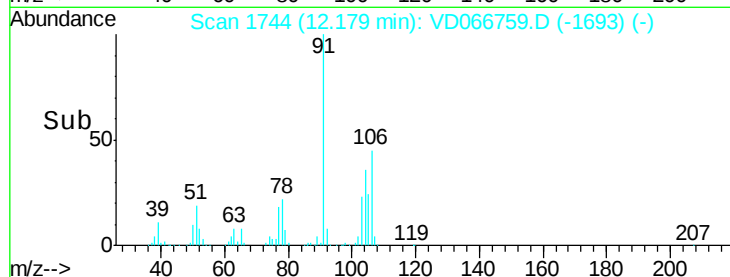
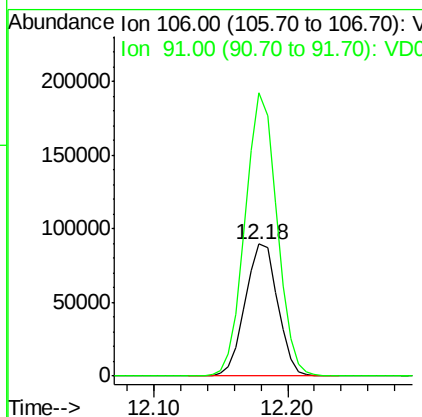
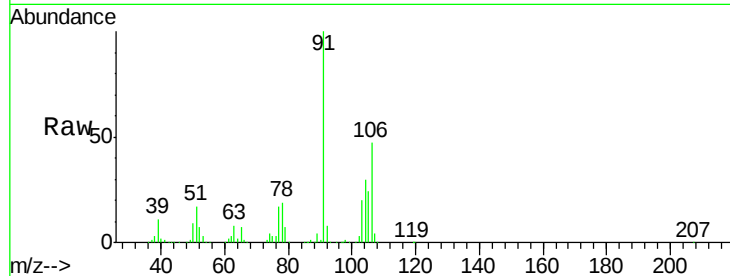
#69
o-Xylene
Concen: 19.720 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion:106 Resp: 150604
Ion Ratio Lower Upper
106 100
91 211.0 109.4 328.2

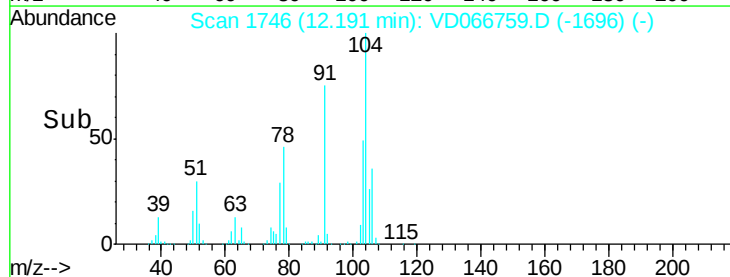
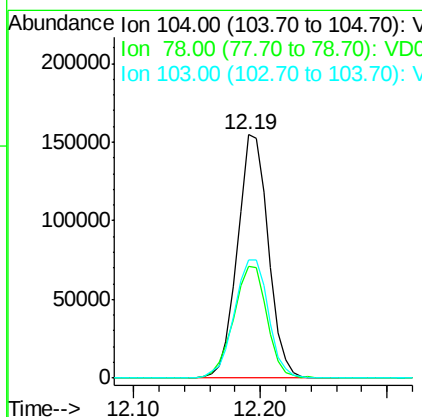
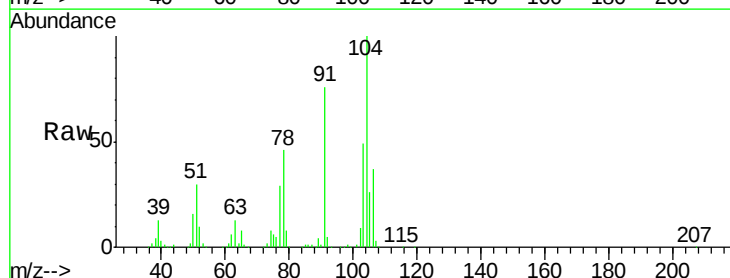
Manual Integrations
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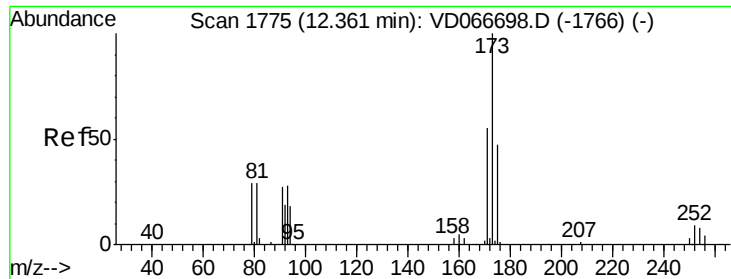
MMDadoda
9/21/2020 11:48:53 AM



#70
Styrene
Concen: 19.464 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion:104 Resp: 261639
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.4
103 53.8 42.5 63.7





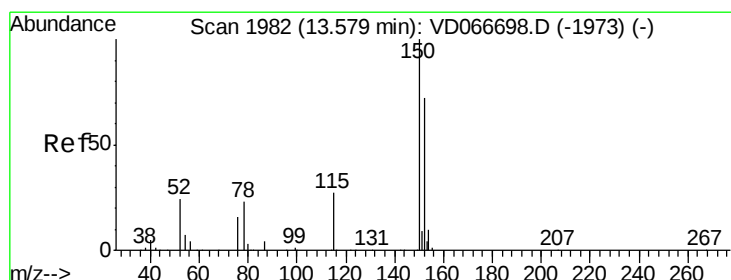
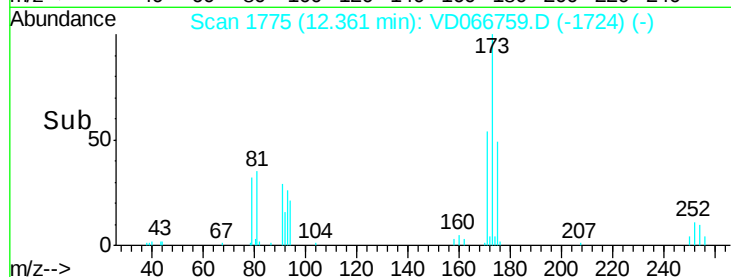
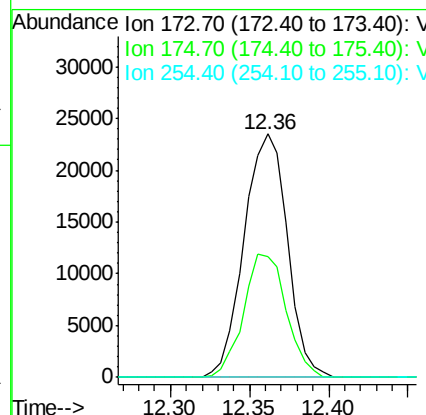
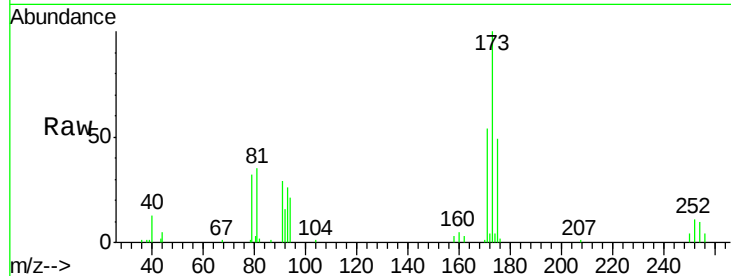
#71
Bromoform
Concen: 19.055 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.0	0.1	0.1#

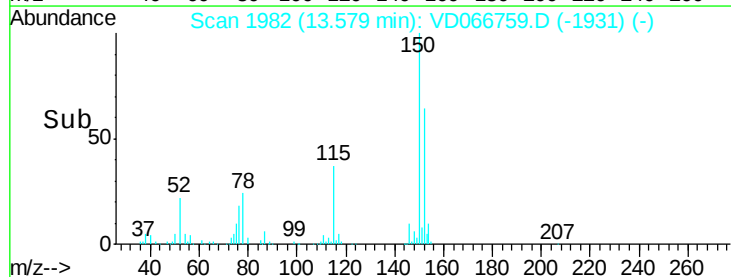
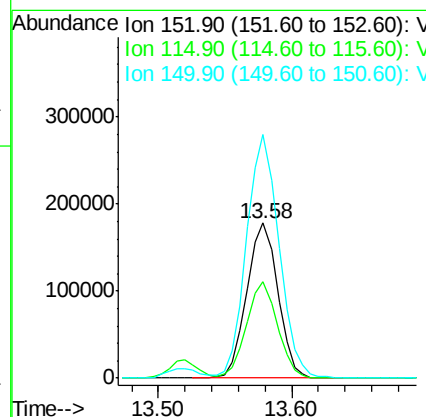
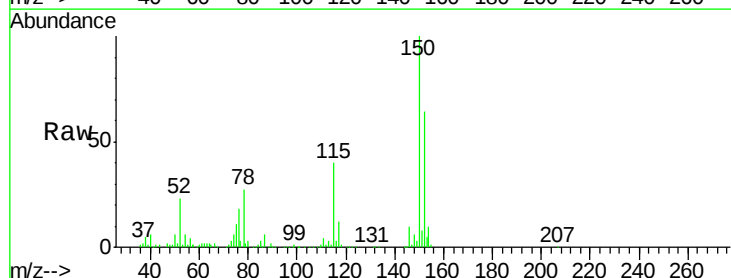
Manual Integrations
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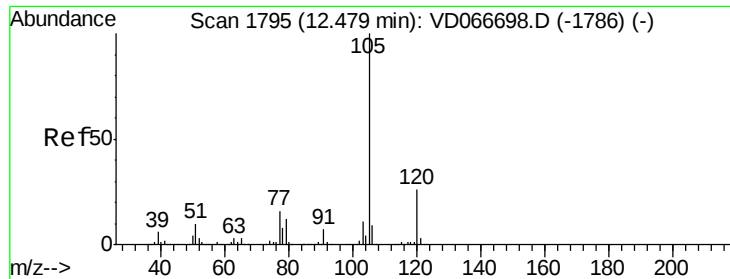
MMDadoda
9/21/2020 11:48:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.5	91.5
150	164.1	0.0	344.6





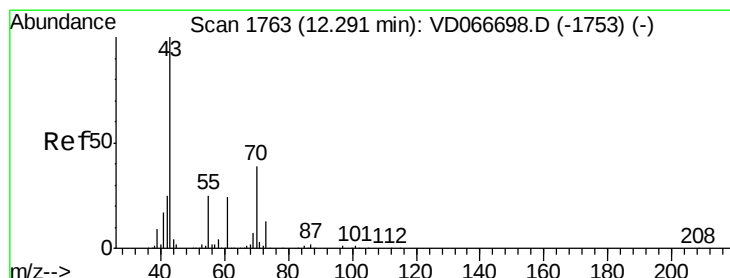
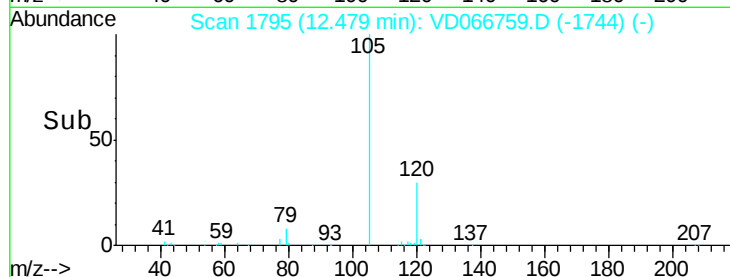
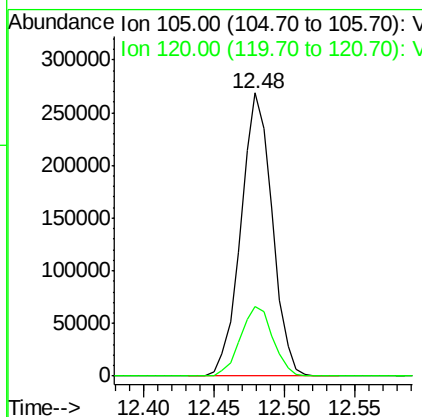
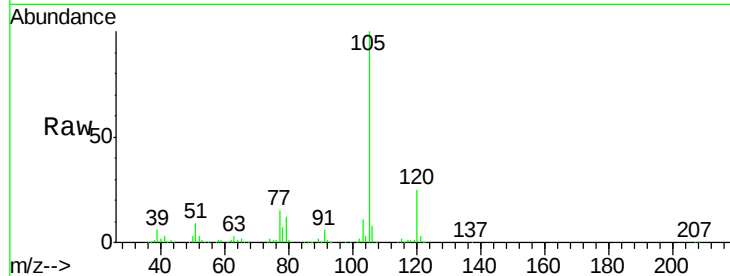
#73
Isopropylbenzene
Concen: 19.530 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.1	39.1

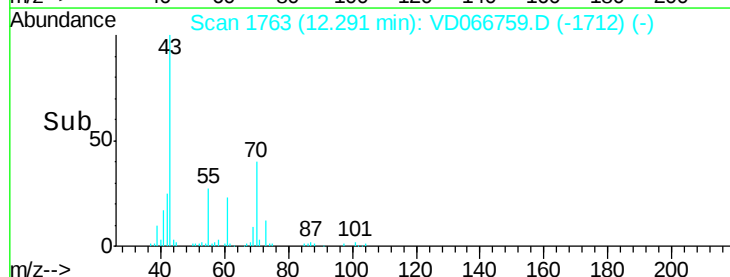
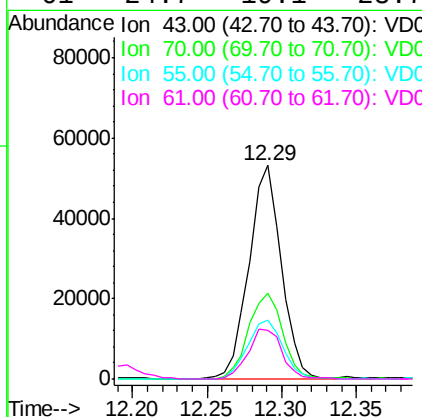
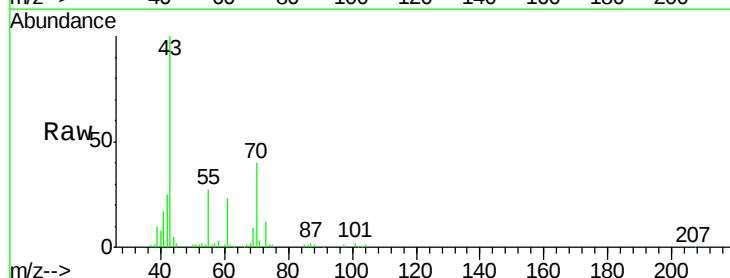
Manual Integrations
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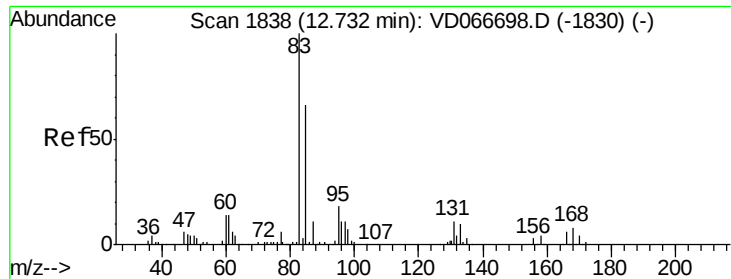
MMDadoda
9/21/2020 11:48:53 AM



#74
N-ethyl acetate
Concen: 17.705 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	33.0	49.4
55	29.8	20.6	30.8
61	24.7	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.554 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

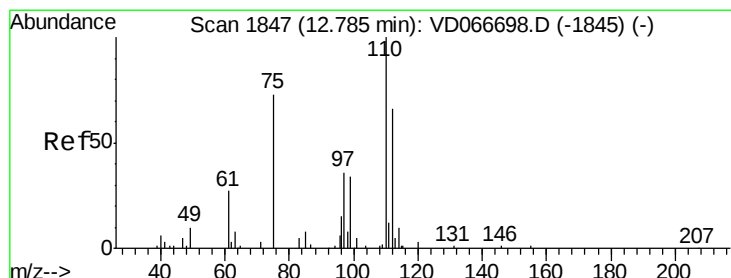
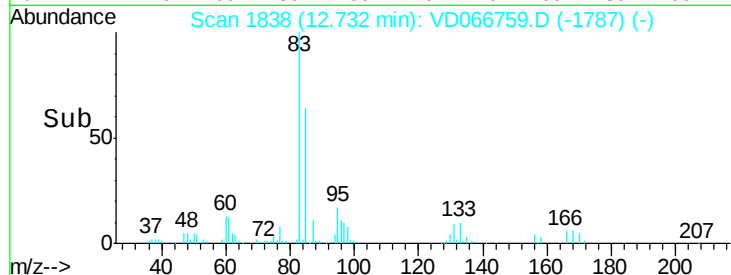
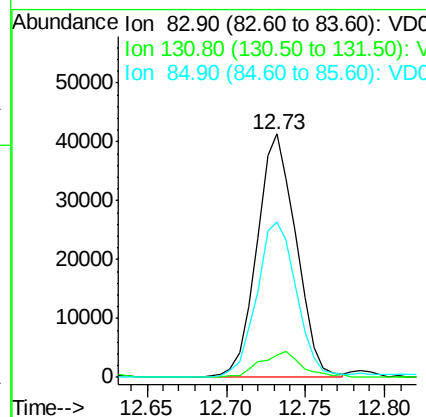
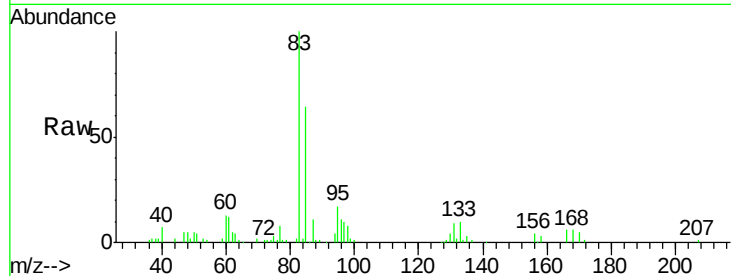
ClientSampleId :

VD0918SBS01

Tot Ion:	83	Resp:	71078
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.3
85	65.1	33.3	99.8

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#76

1,2,3-Trichloropropane

Concen: 17.985 ug/l m

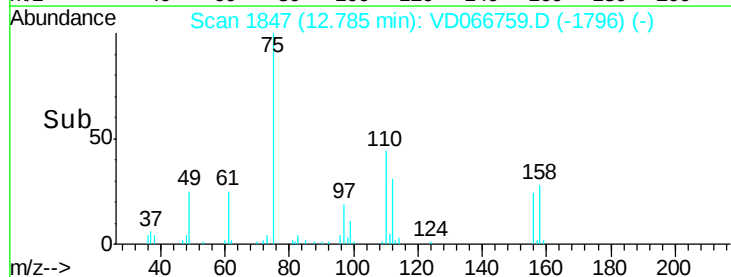
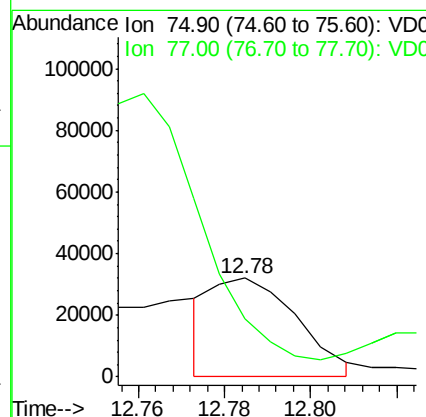
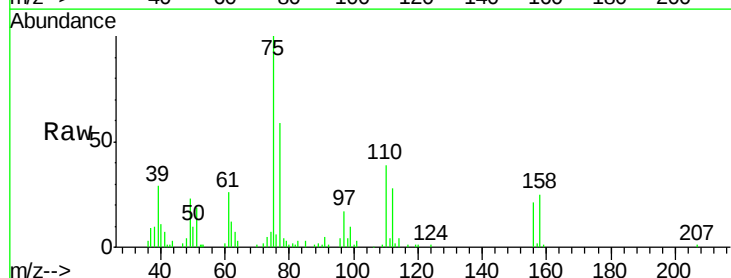
RT: 12.78 min Scan# 1847

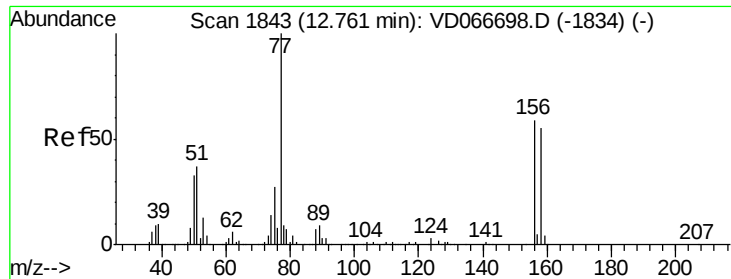
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	75	Resp:	44114
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





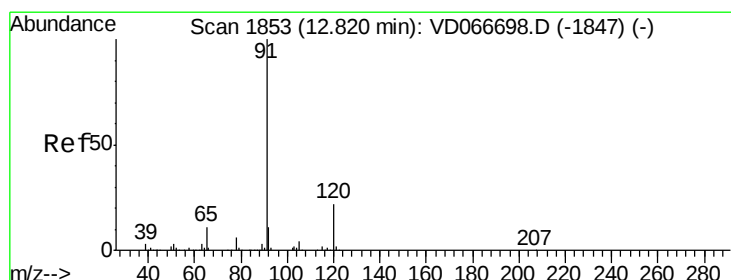
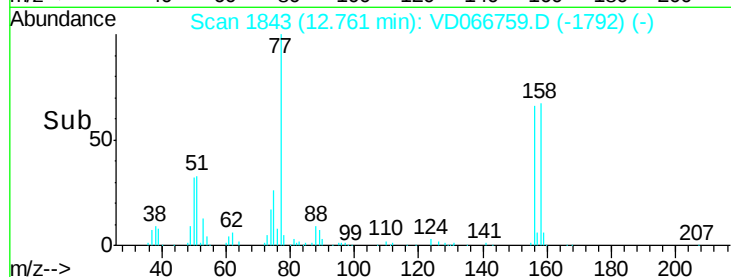
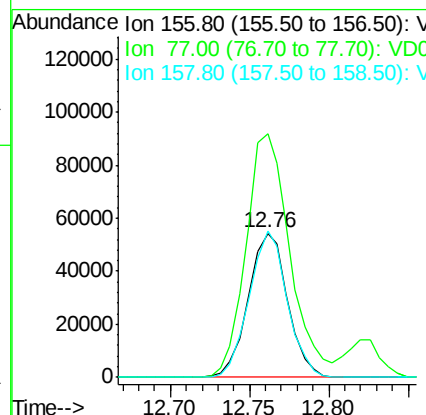
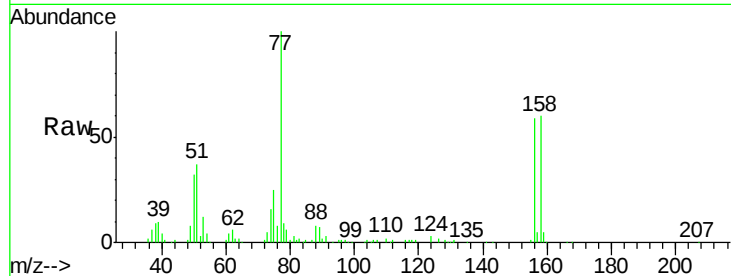
#77
Bromobenzene
Concen: 18.918 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.1	95.8	287.3
158	98.2	48.4	145.0

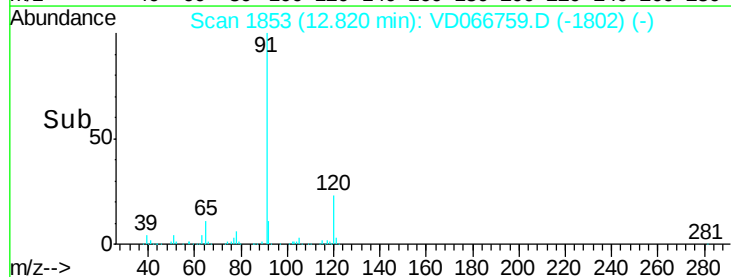
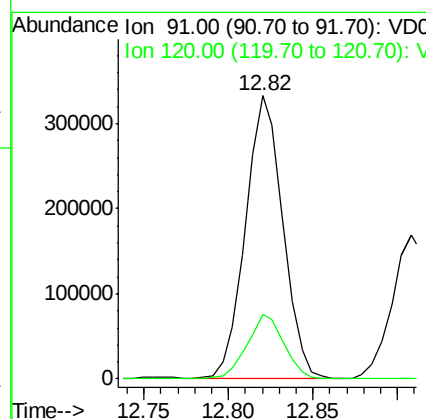
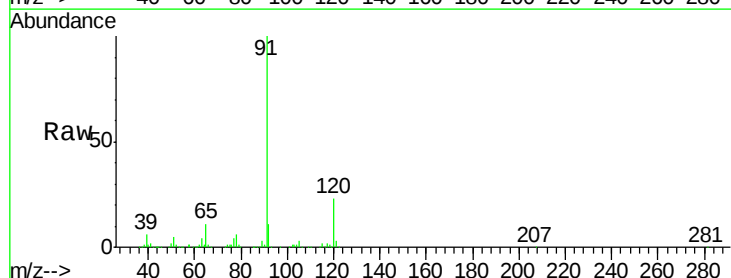
Manual Integrations
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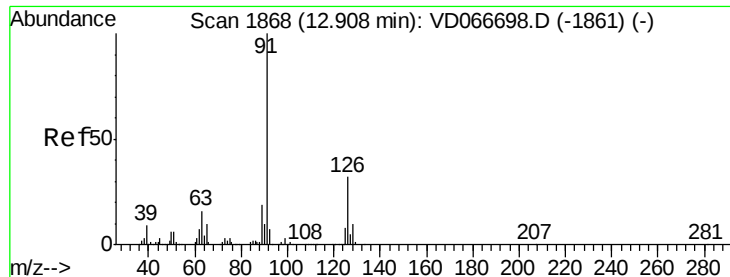
MMDadoda
9/21/2020 11:48:53 AM



#78
n-propylbenzene
Concen: 19.616 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.9	32.9





#79

2-Chlorotoluene

Concen: 18.739 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 91 Resp: 276310

Ion Ratio Lower Upper

91 100

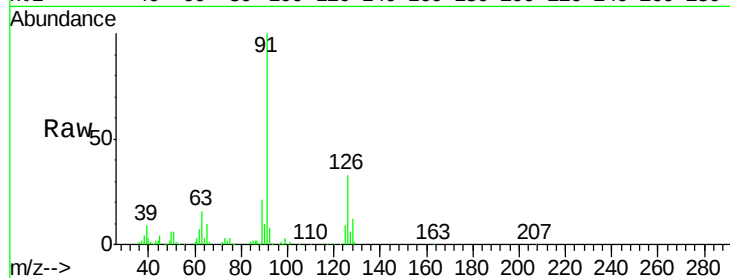
126 33.9 16.2 48.6

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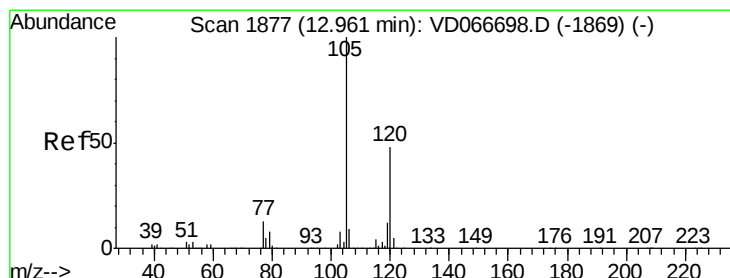
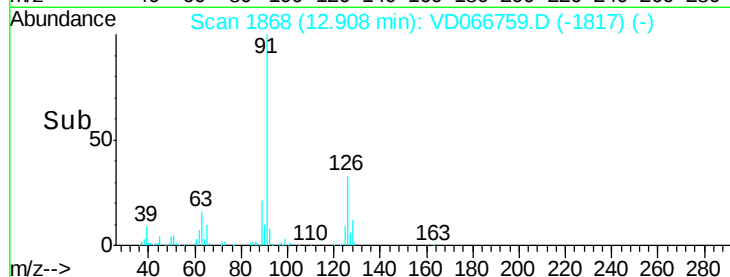
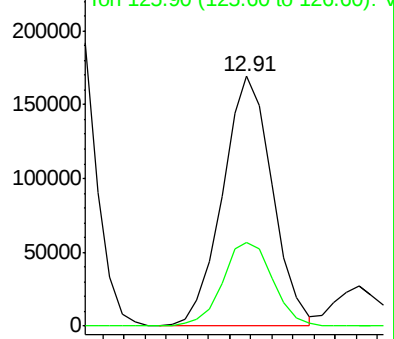
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Abundance Ion 91.00 (90.70 to 91.70): VD066698.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.679 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066759.D

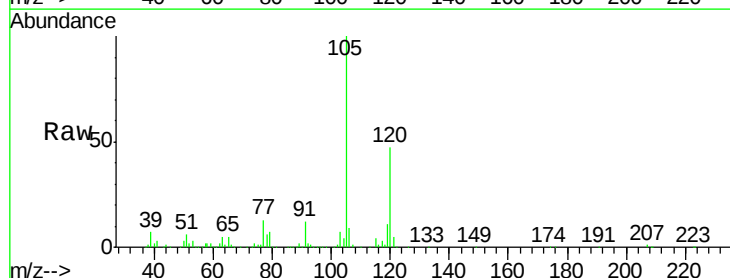
Acq: 18 Sep 2020 12:01

Tgt Ion:105 Resp: 355929

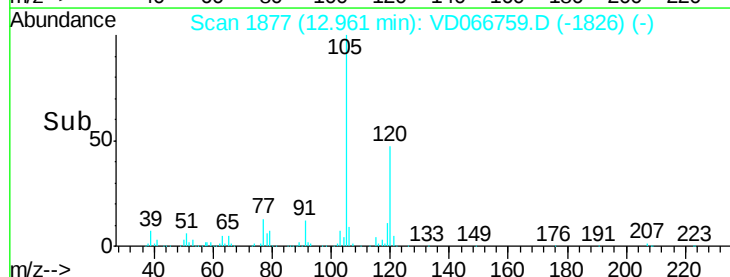
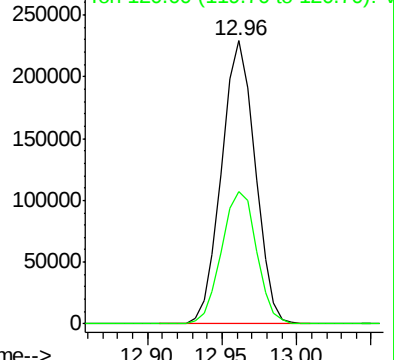
Ion Ratio Lower Upper

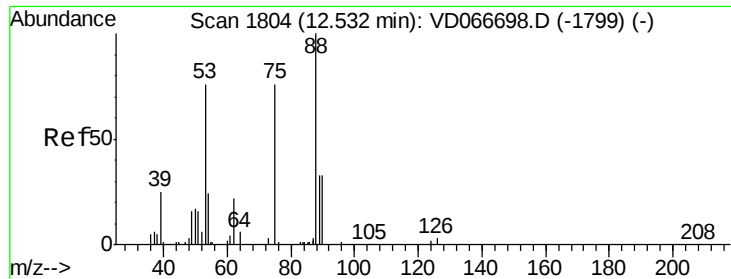
105 100

120 48.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD066698.D (-1869) (-)





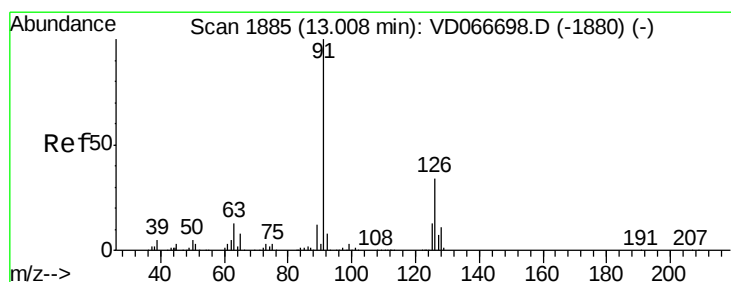
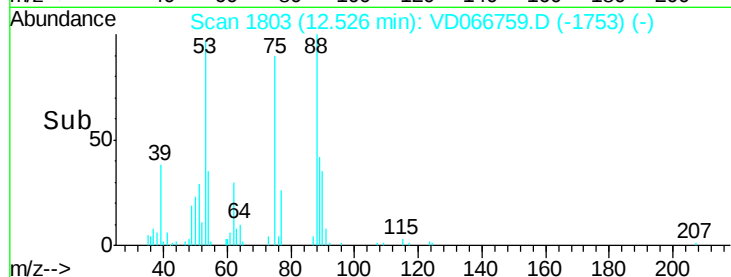
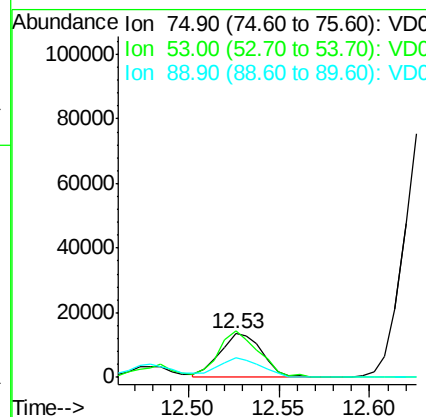
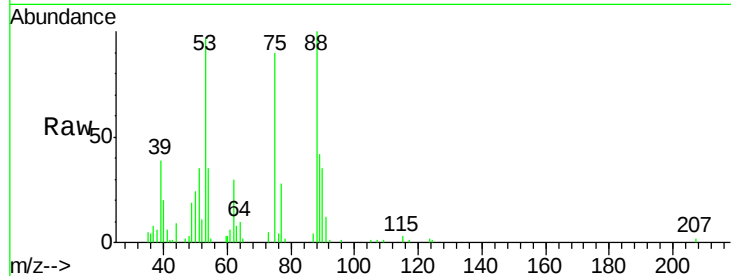
#81
trans-1,4-Dichloro-2-butene
Concen: 19.237 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	82.2	123.4
89	43.5	39.6	59.4

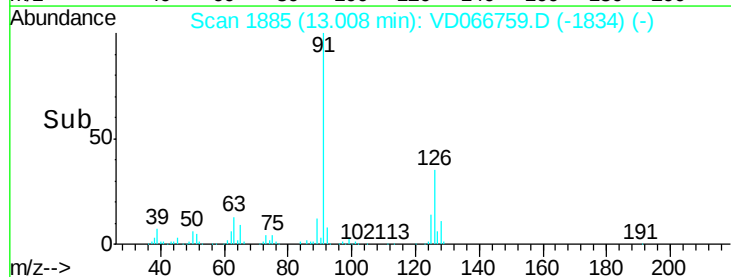
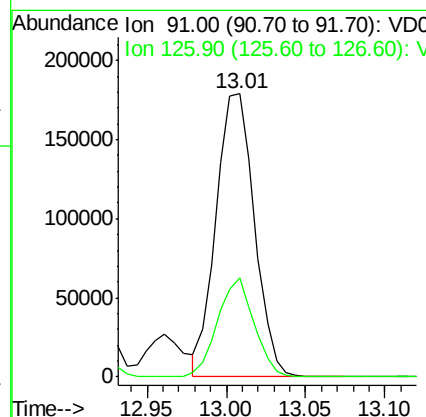
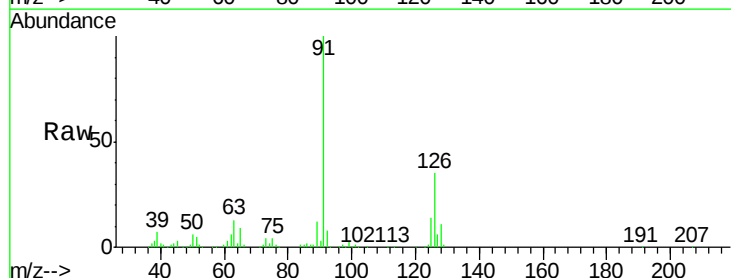
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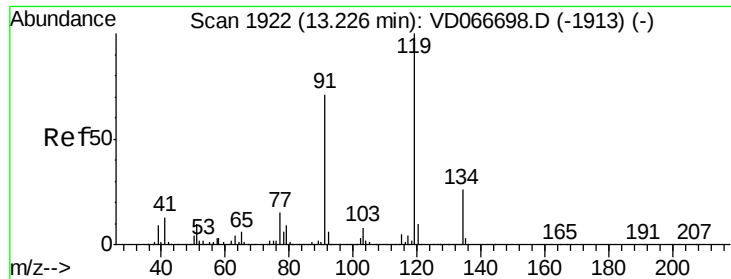
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#82
4-Chlorotoluene
Concen: 19.337 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4





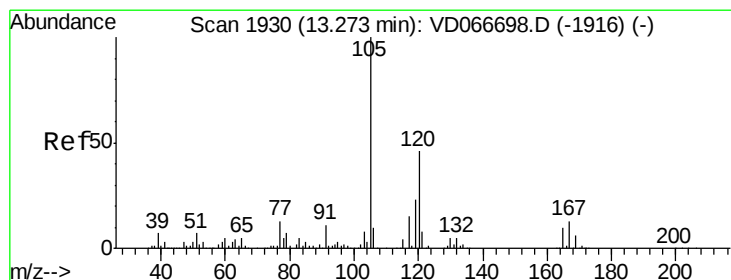
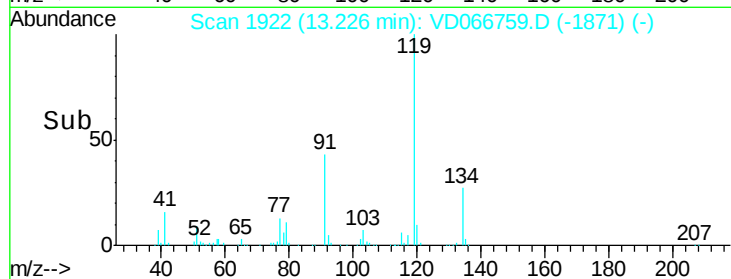
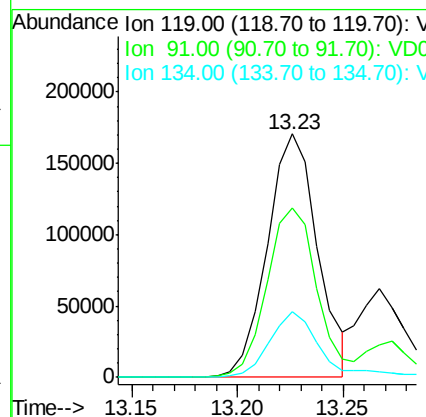
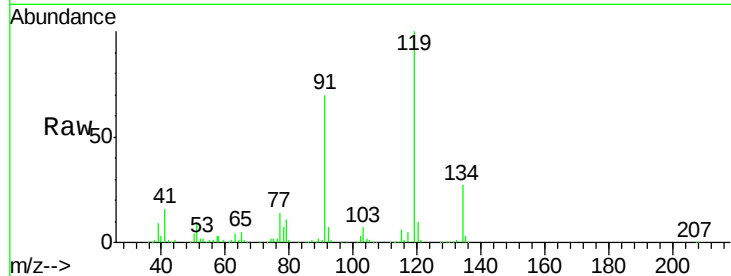
#83
tert-Butylbenzene
Concen: 18.991 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283116		
91	69.9	35.0	105.1	
134	27.7	13.6	40.8	

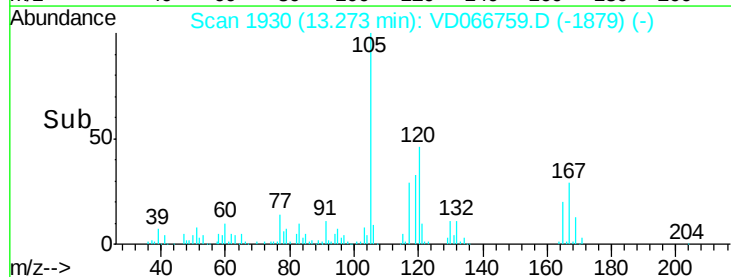
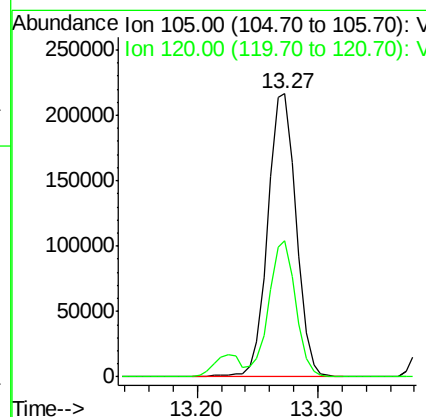
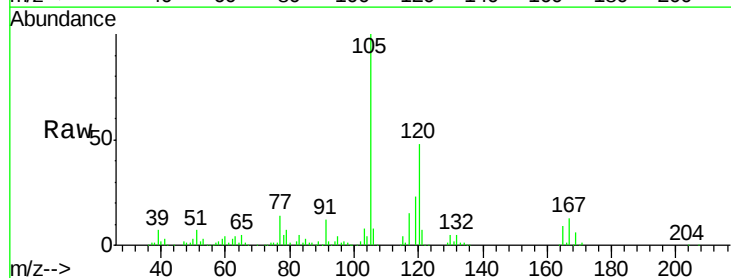
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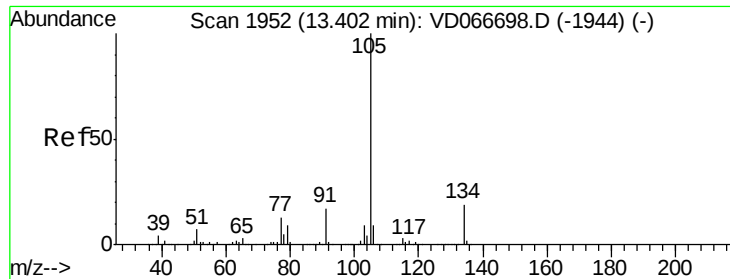
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9/21/2020 11:48:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.638 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	354968		
120	46.0	22.4	67.2	





#85

sec-Butylbenzene

Concen: 19.651 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion:105 Resp: 419977

Ion Ratio Lower Upper

105 100

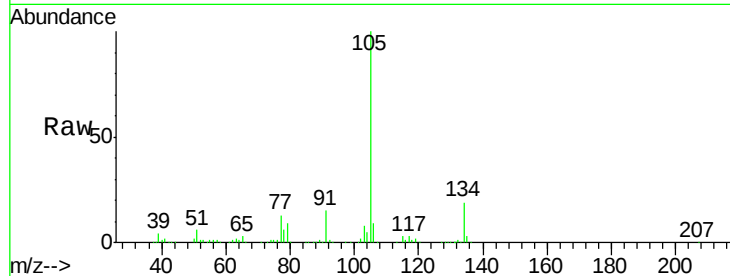
134 19.7 10.0 30.0

Manual Integrations

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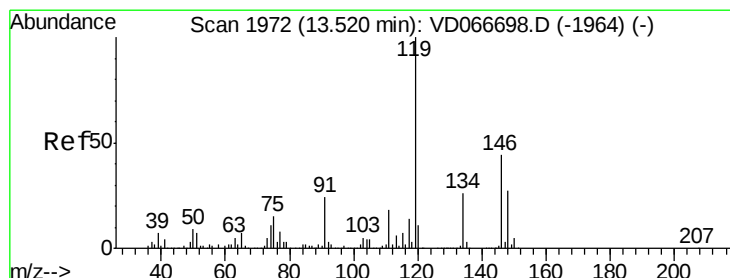
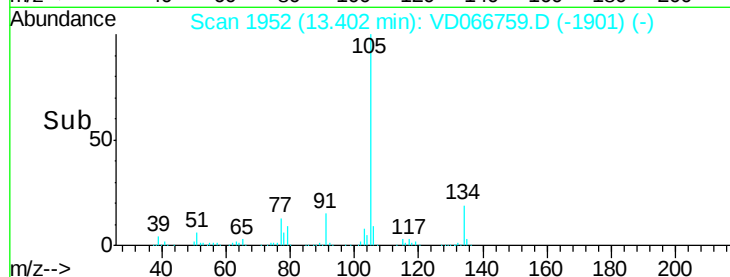
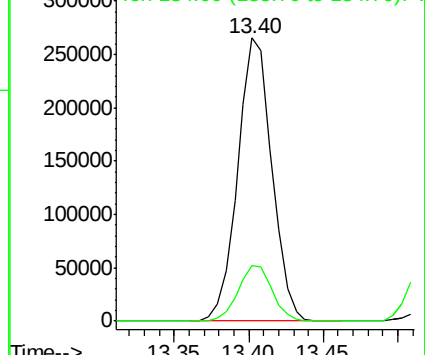
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.785 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

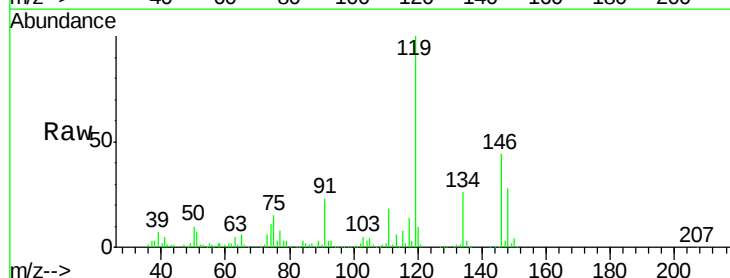
Tgt Ion:119 Resp: 384415

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

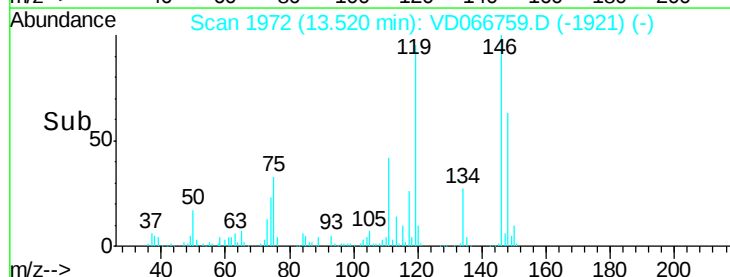
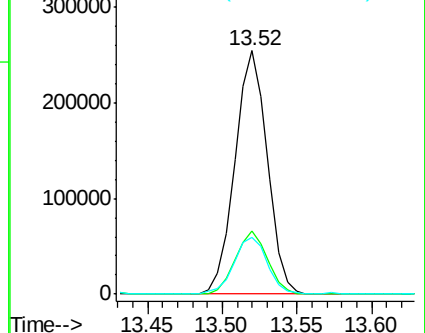
91 23.8 12.3 36.9

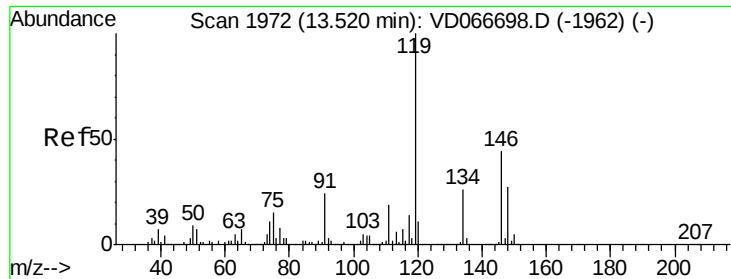


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.626 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

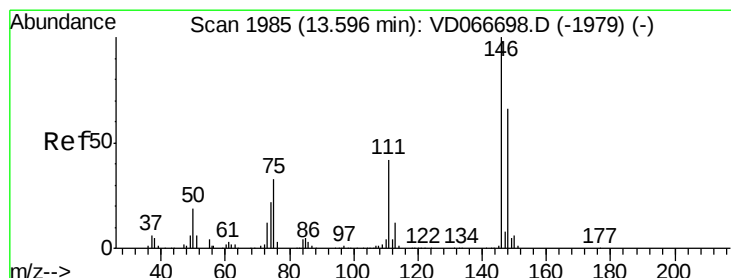
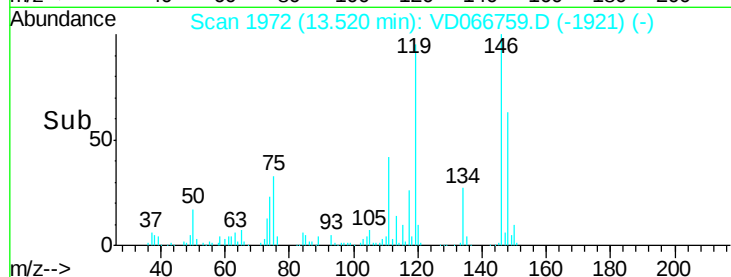
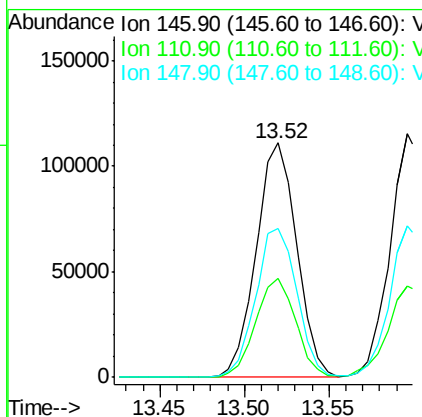
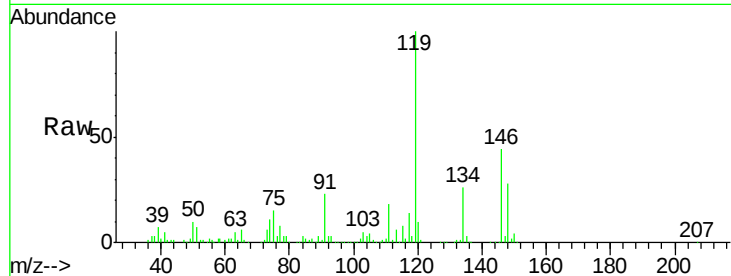
ClientSampleId :

VD0918SBS01

Tot Ion:	146	Resp:	185644
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.1	63.3
148	64.9	31.4	94.2

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#88

1,4-Dichlorobenzene

Concen: 20.121 ug/l

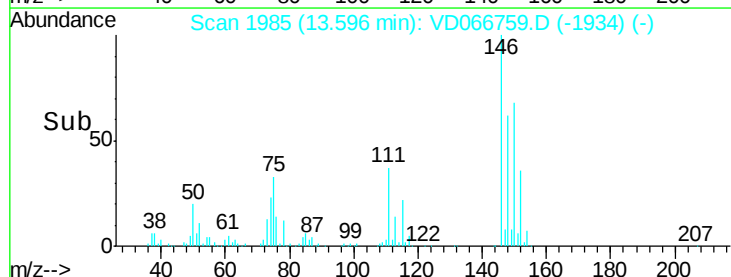
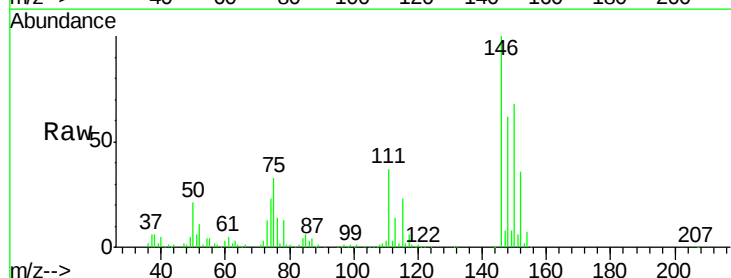
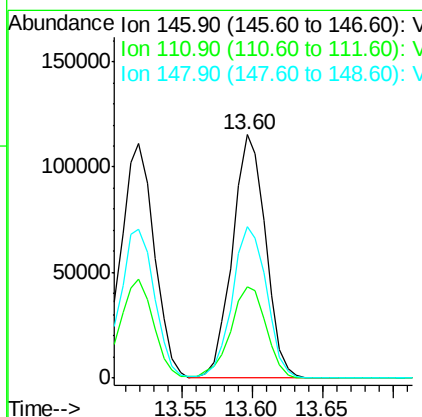
RT: 13.60 min Scan# 1985

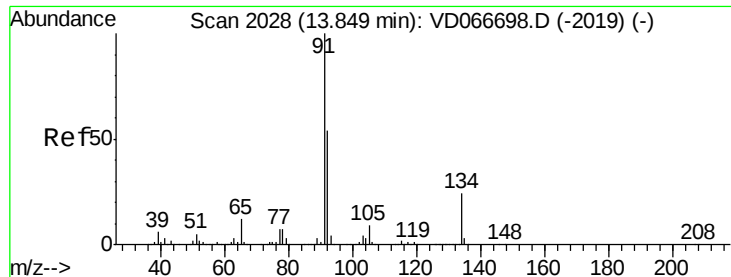
Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion:	146	Resp:	189525
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.5	61.6
148	64.1	32.7	98.1





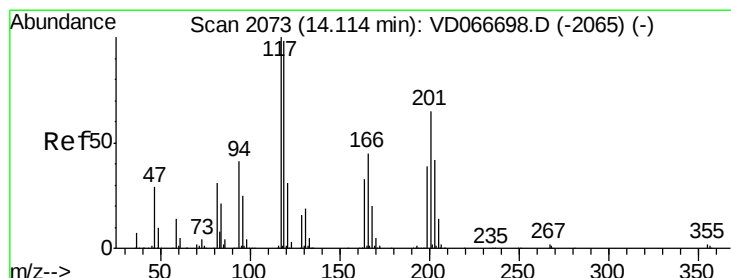
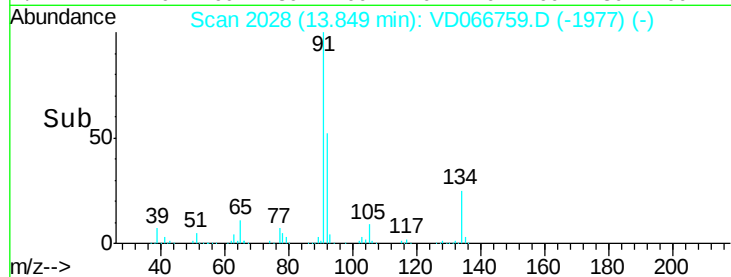
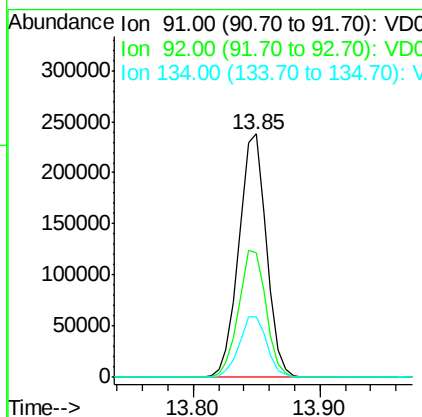
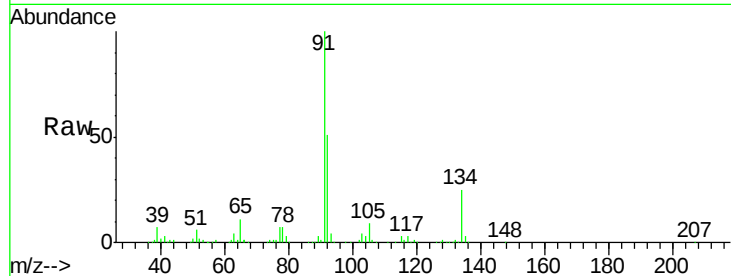
#89
n-Butylbenzene
Concen: 19.328 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.0	81.0
134	25.3	12.4	37.0

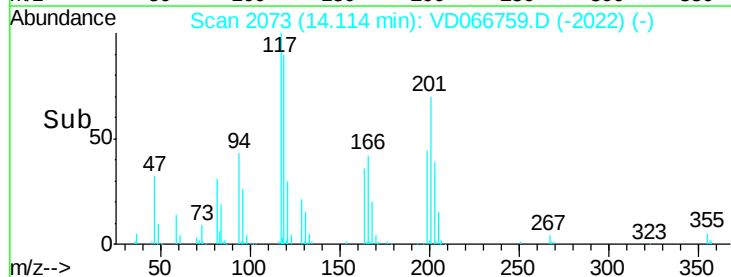
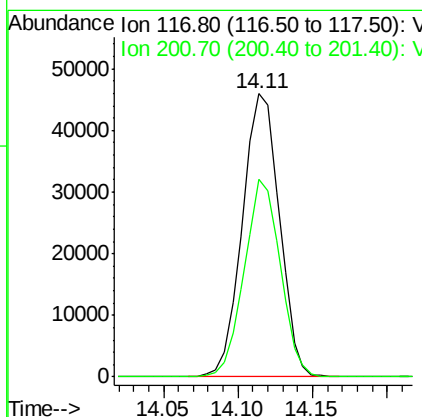
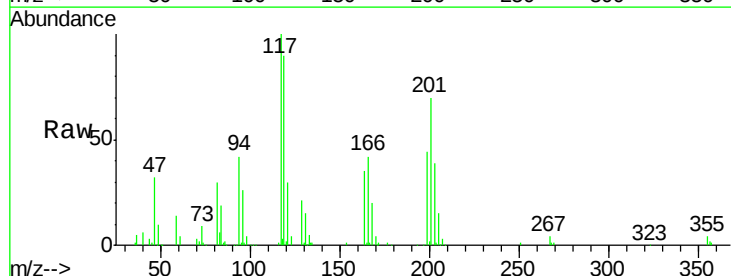
Manual Integrations
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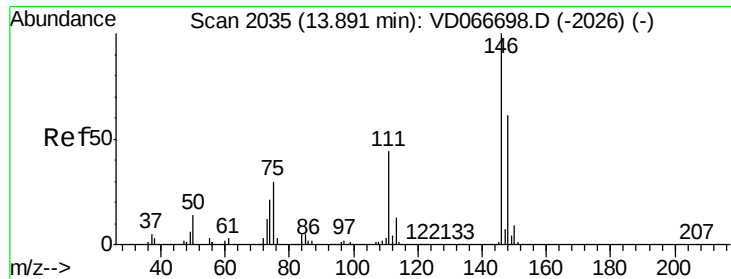
MMDadoda
9/21/2020 11:48:53 AM



#90
Hexachloroethane
Concen: 19.738 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	33.1	99.3





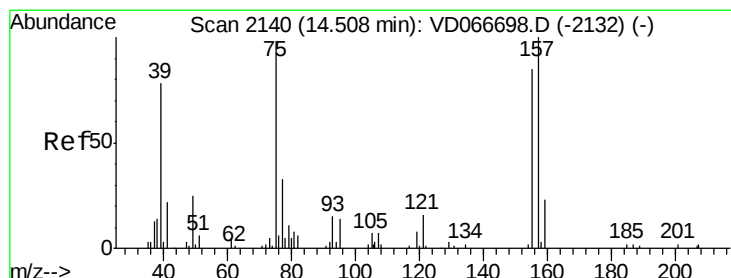
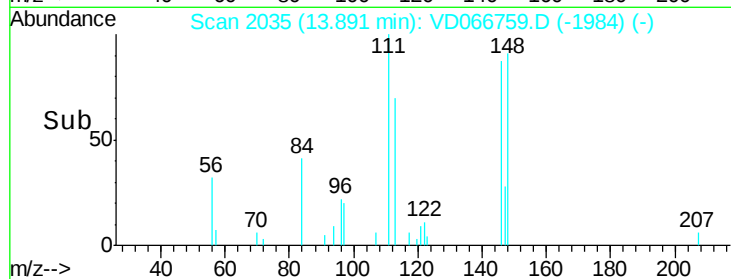
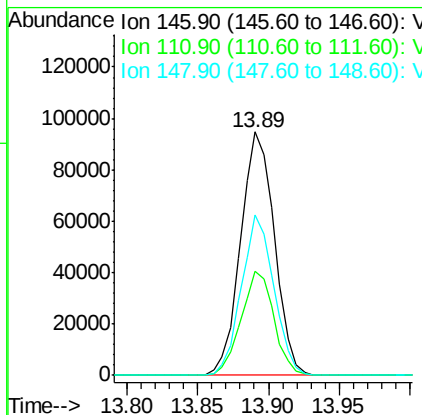
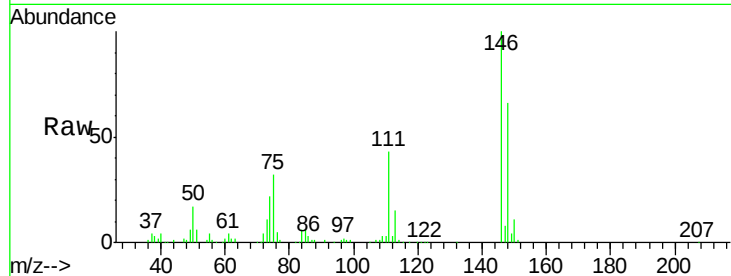
#91
 1,2-Dichlorobenzene
 Concen: 19.670 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	64.6
148	63.2	31.4	94.3

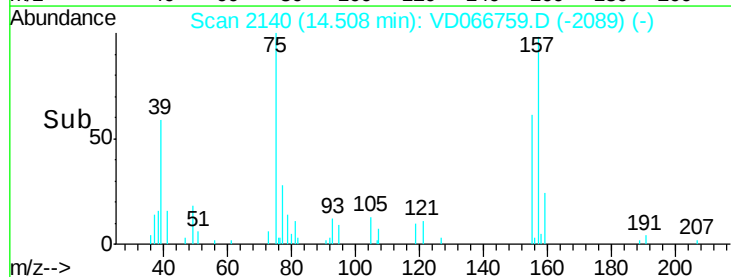
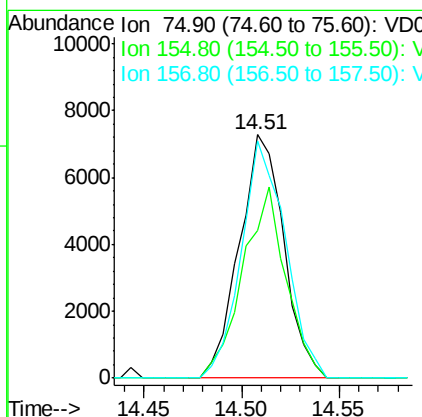
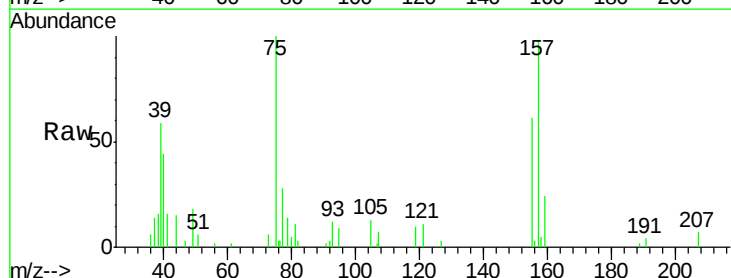
Manual Integrations
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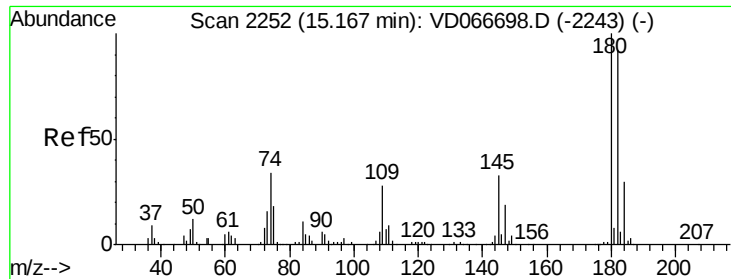
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.578 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.9	116.7
157	96.8	46.4	139.2





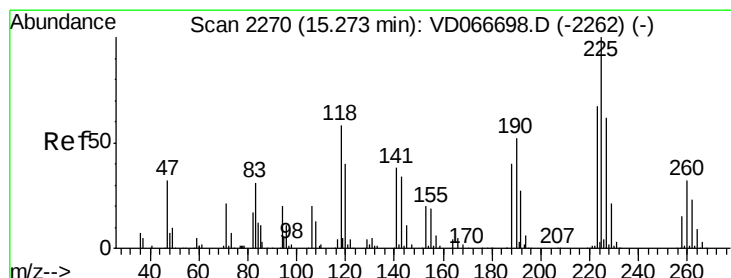
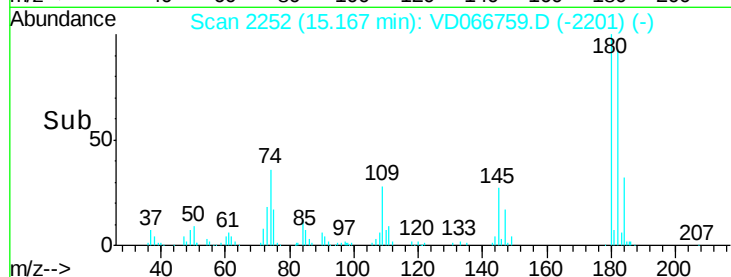
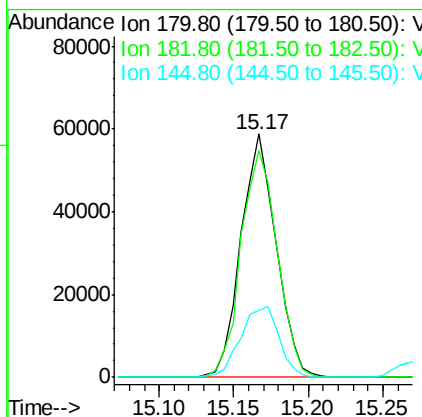
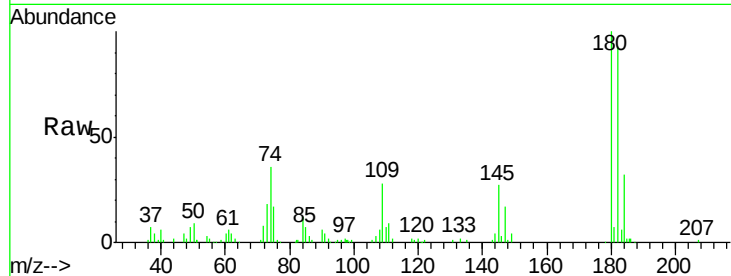
#93
 1,2,4-Trichlorobenzene
 Concen: 19.589 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96029		
182	96.2	46.6	139.7	
145	31.6	16.5	49.5	

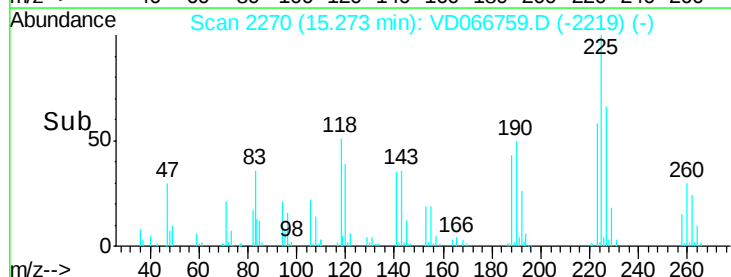
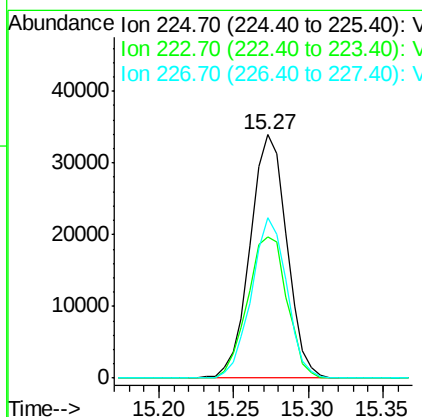
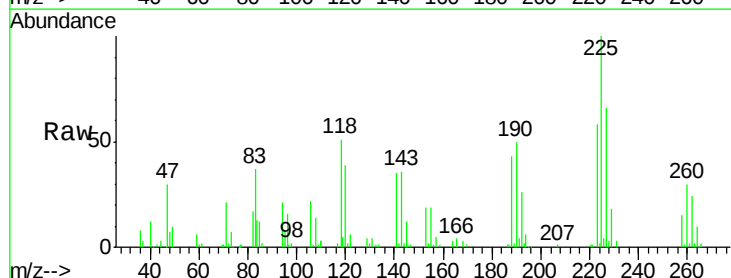
Manual Integrations
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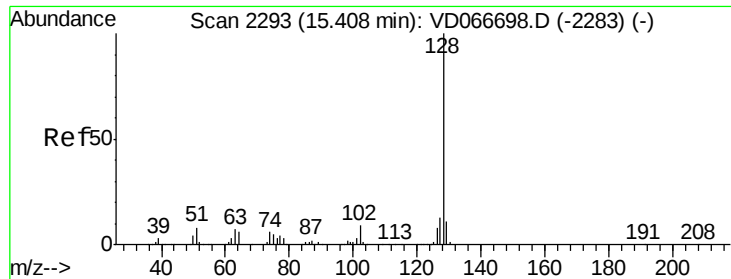
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#94
 Hexachlorobutadiene
 Concen: 19.510 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57623		
223	62.4	31.9	95.9	
227	63.1	31.3	93.9	





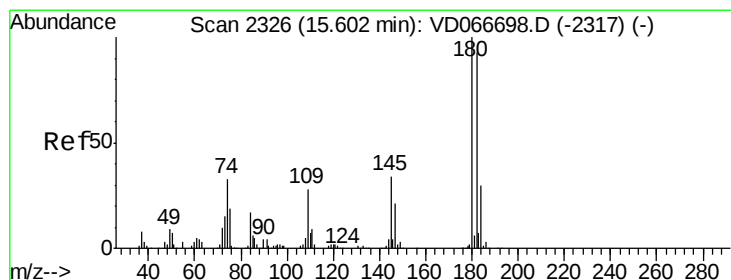
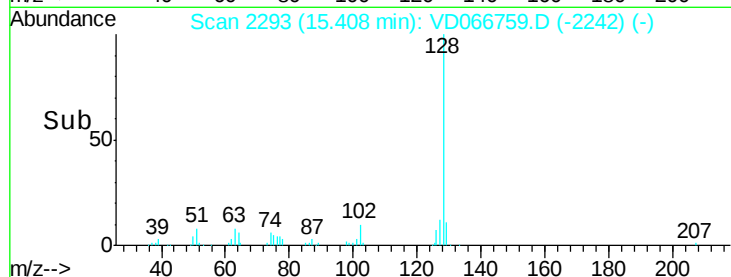
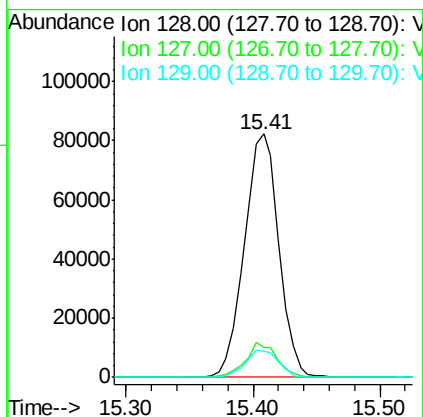
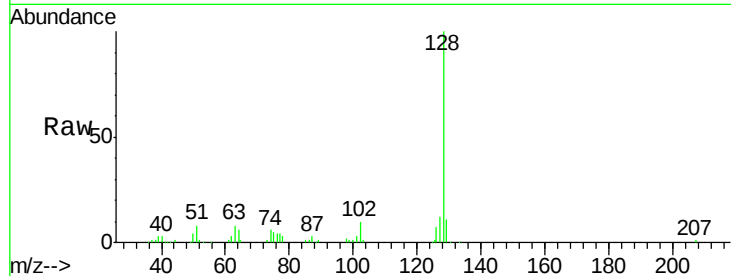
#95
Naphthalene
Concen: 18.098 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 19.128 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	34.6	17.1	51.3

