

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066760.D
 Acq On : 18 Sep 2020 12:28
 Operator : VA/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:48:55 AM

Quant Time: Sep 19 03:45:14 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	414354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218996	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.91	113	211881	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.34	98	775698	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.63	95	259495	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79249	23.311	ug/l	97
3) Chloromethane	2.21	50	91053	20.194	ug/l	98
4) Vinyl Chloride	2.35	62	93627	19.840	ug/l	98
5) Bromomethane	2.76	94	59892	17.891	ug/l	96
6) Chloroethane	2.92	64	55918	19.021	ug/l	90
7) Trichlorofluoromethane	3.27	101	173352	21.268	ug/l	100
8) Diethyl Ether	3.71	74	43464	21.295	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94832	21.170	ug/l	97
10) Methyl Iodide	4.30	142	78911	18.567	ug/l	99
11) Tert butyl alcohol	5.21	59	41800	106.137	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	86219	20.795	ug/l	97
13) Acrolein	3.93	56	27386	87.833	ug/l	98
14) Allyl chloride	4.71	41	133911	20.112	ug/l	97
15) Acrylonitrile	5.42	53	91531	102.371	ug/l	98
16) Acetone	4.16	43	92345	102.575	ug/l	94
17) Carbon Disulfide	4.41	76	275246	21.127	ug/l	100
18) Methyl Acetate	4.71	43	41399	19.333	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	189947	20.568	ug/l	99
20) Methylene Chloride	4.96	84	115772	19.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	101705	21.055	ug/l	95
22) Diisopropyl ether	6.36	45	281401	20.799	ug/l	98
23) Vinyl Acetate	6.30	43	774229	102.878	ug/l	98
24) 1,1-Dichloroethane	6.26	63	175609	20.455	ug/l	99
25) 2-Butanone	7.21	43	118684	101.242	ug/l	99
26) 2,2-Dichloropropane	7.21	77	157593	19.850	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	107447	20.332	ug/l	99
28) Bromochloromethane	7.54	49	70489	21.981	ug/l	95
29) Tetrahydrofuran	7.57	42	70759	98.654	ug/l	96
30) Chloroform	7.71	83	184480	20.190	ug/l	95
31) Cyclohexane	7.98	56	158369	20.280	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	174351	20.852	ug/l	100
36) 1,1-Dichloropropene	8.11	75	147201	21.068	ug/l	98
37) Ethyl Acetate	7.29	43	49975	18.894	ug/l #	91
38) Carbon Tetrachloride	8.10	117	152780	20.591	ug/l	94

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Manual Integrations
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 9/21/2020 11:48:55 AM

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 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)
39) Methylcyclohexane	9.36	83	165365	20.692	ug/l	93
40) Benzene	8.35	78	395847	20.942	ug/l	98
41) Methacrylonitrile	7.53	41	28845	20.599	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	117424	20.052	ug/l	98
43) Isopropyl Acetate	8.45	43	98741	19.833	ug/l	98
44) Trichloroethene	9.11	130	104612	20.699	ug/l	100
45) 1,2-Dichloropropane	9.38	63	99021	21.190	ug/l	92
46) Dibromomethane	9.47	93	53680	20.905	ug/l	97
47) Bromodichloromethane	9.66	83	144654	20.673	ug/l	98
48) Methyl methacrylate	9.45	41	51705	20.418	ug/l	96
49) 1,4-Dioxane	9.46	88	12380	450.077	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	257427	100.435	ug/l	99
52) Toluene	10.40	92	252828	20.879	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	126308	20.207	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	155678	20.969	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	72025	21.274	ug/l	98
56) Ethyl methacrylate	10.66	69	75465	19.642	ug/l	98
57) 1,3-Dichloropropane	10.94	76	122002	20.534	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	202727	120.144	ug/l	97
59) 2-Hexanone	10.98	43	178981	103.926	ug/l	97
60) Dibromochloromethane	11.14	129	93134	21.112	ug/l	97
61) 1,2-Dibromoethane	11.24	107	69141	21.290	ug/l	95
64) Tetrachloroethene	10.87	164	88812	21.093	ug/l	93
65) Chlorobenzene	11.67	112	264676	20.726	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	99821	21.185	ug/l	98
67) Ethyl Benzene	11.74	91	474911	20.531	ug/l	99
68) m/p-Xylenes	11.86	106	372692	42.630	ug/l	96
69) o-Xylene	12.18	106	158156	20.471	ug/l	99
70) Styrene	12.20	104	283935	20.881	ug/l	99
71) Bromoform	12.36	173	49426	20.902	ug/l #	100
73) Isopropylbenzene	12.48	105	443465	20.754	ug/l	100
74) N-amyl acetate	12.29	43	88831	19.708	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	74918	20.634	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47409m	19.351	ug/l	
77) Bromobenzene	12.76	156	102565	20.826	ug/l	98
78) n-propylbenzene	12.82	91	545674	20.949	ug/l	99
79) 2-Chlorotoluene	12.91	91	307361	20.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	383118	21.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24167	21.289	ug/l	95
82) 4-Chlorotoluene	13.01	91	323280	20.759	ug/l	100
83) tert-Butylbenzene	13.23	119	301802	20.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	373356	20.678	ug/l	100
85) sec-Butylbenzene	13.40	105	445926	20.889	ug/l	98
86) p-Isopropyltoluene	13.52	119	396038	20.406	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	197241	20.876	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	196194	20.852	ug/l	98
89) n-Butylbenzene	13.84	91	381560	20.676	ug/l	98
90) Hexachloroethane	14.11	117	83678	20.988	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	170976	21.119	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12024	20.486	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD0918SBSD01

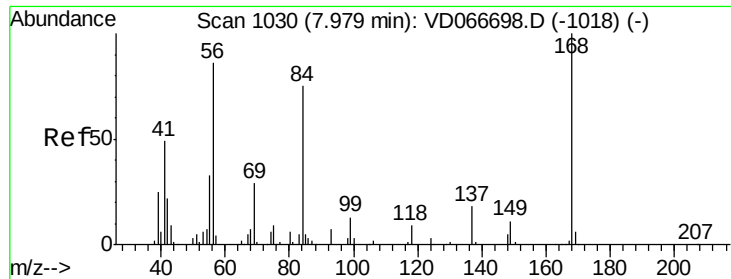
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105655	21.577	ug/l	99
94) Hexachlorobutadiene	15.27	225	62033	21.027	ug/l	98
95) Naphthalene	15.41	128	172149	20.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	91152	21.312	ug/l	98

(#) = 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: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBSD01

Tot Ion:168 Resp: 414354

Ion Ratio Lower Upper

168 100

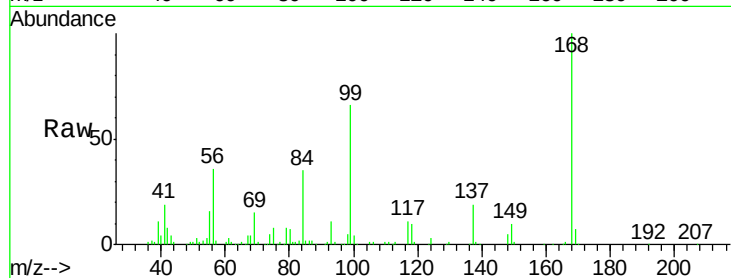
99 65.4 54.4 81.6

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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

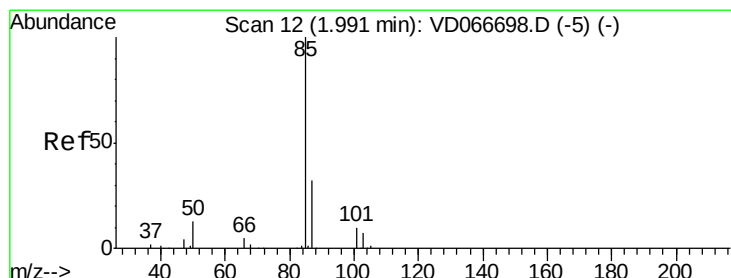
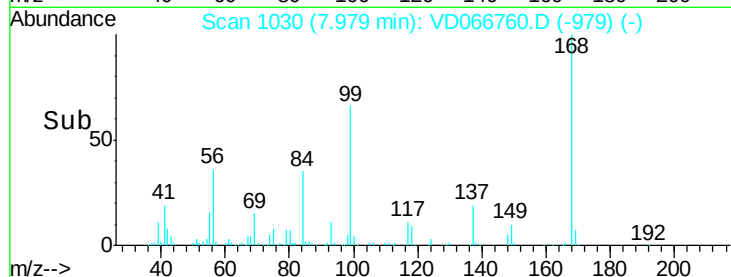
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.311 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066760.D

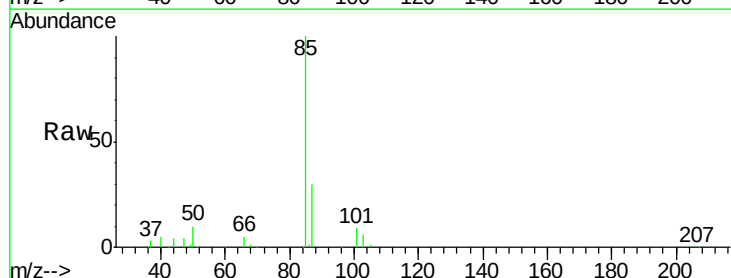
Acq: 18 Sep 2020 12:28

Tgt Ion: 85 Resp: 79249

Ion Ratio Lower Upper

85 100

87 30.0 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

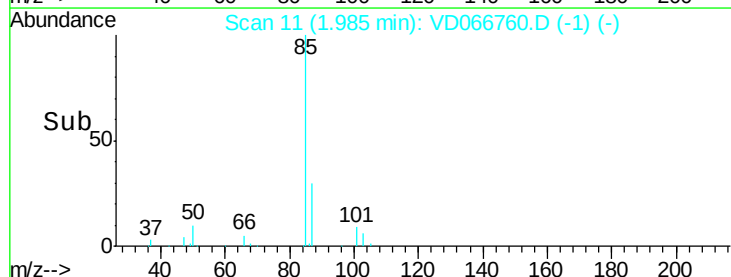
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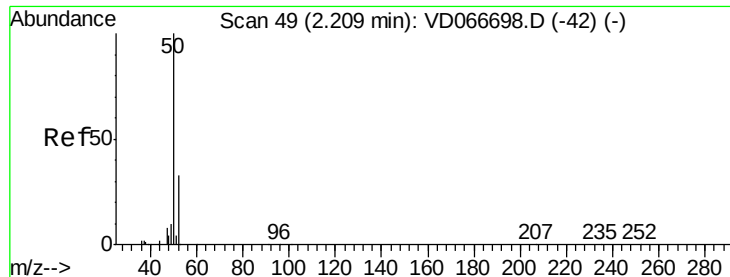
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.194 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 50 Resp: 91053

Ion Ratio Lower Upper

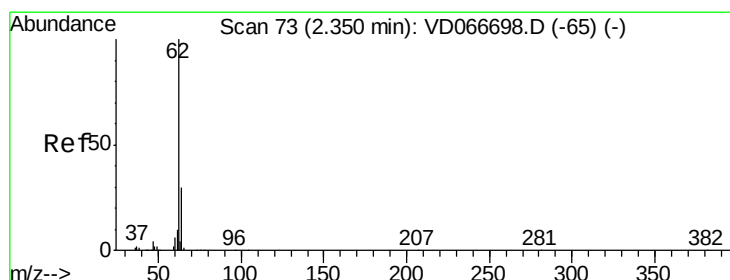
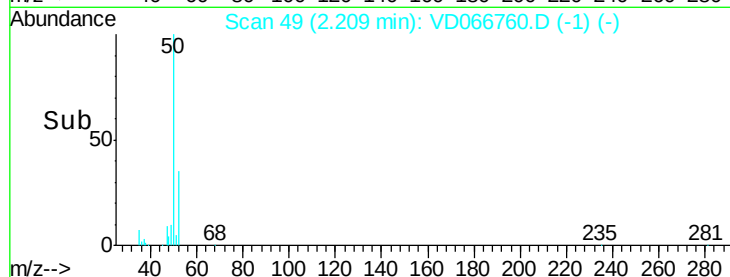
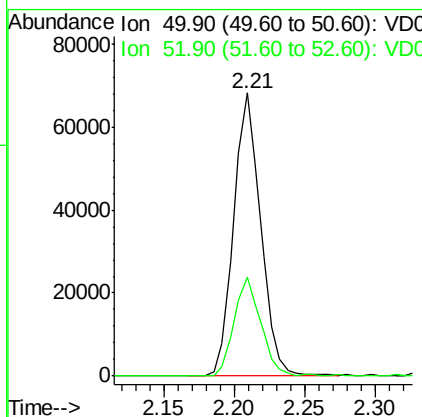
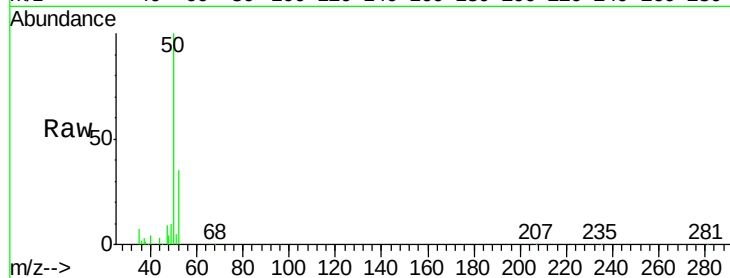
50 100

52 34.9 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.840 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066760.D

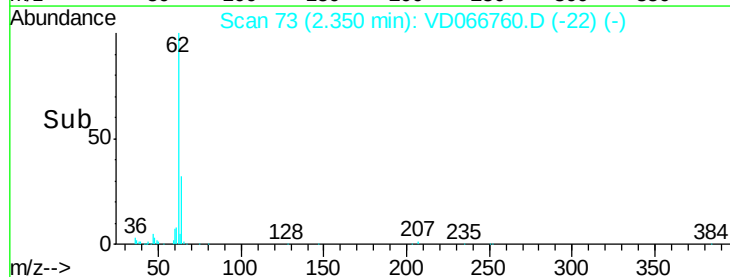
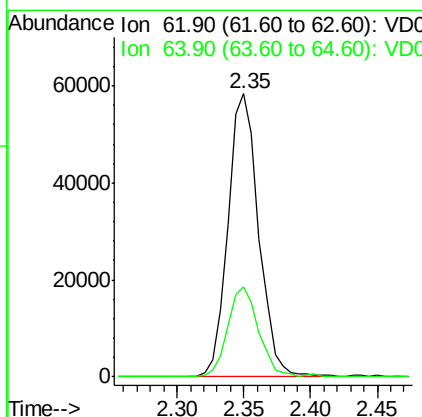
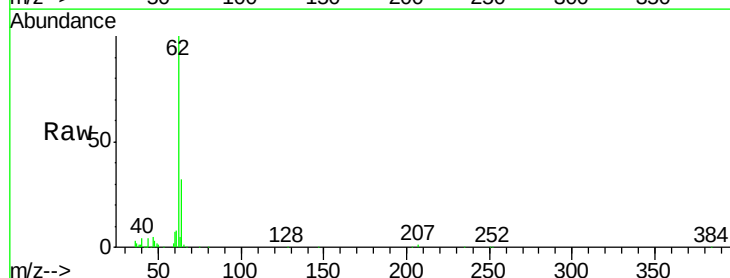
Acq: 18 Sep 2020 12:28

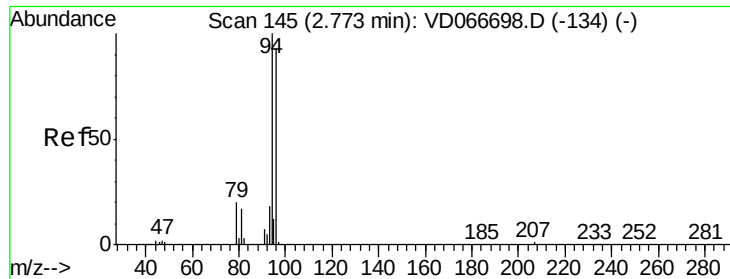
Tgt Ion: 62 Resp: 93627

Ion Ratio Lower Upper

62 100

64 31.8 24.4 36.6





#5

Bromomethane

Concen: 17.891 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 94 Resp: 59892

Ion Ratio Lower Upper

94 100

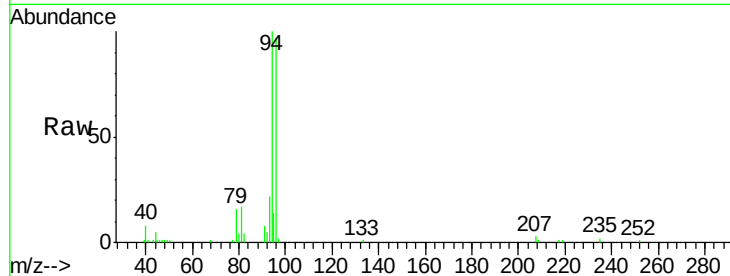
96 97.3 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

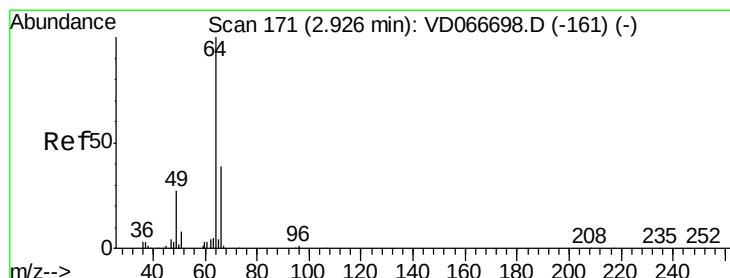
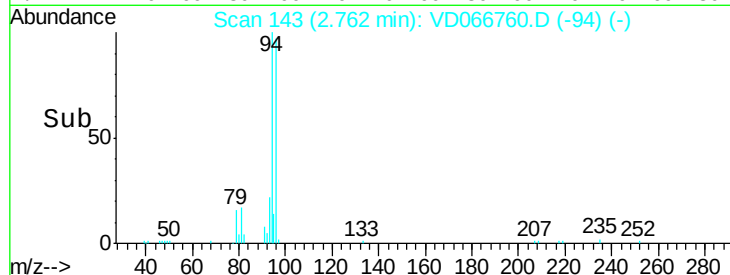
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.021 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066760.D

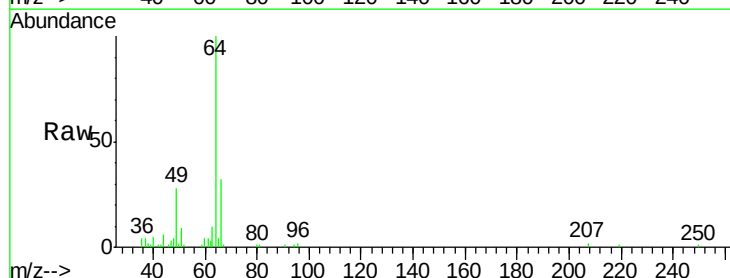
Acq: 18 Sep 2020 12:28

Tgt Ion: 64 Resp: 55918

Ion Ratio Lower Upper

64 100

66 32.5 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

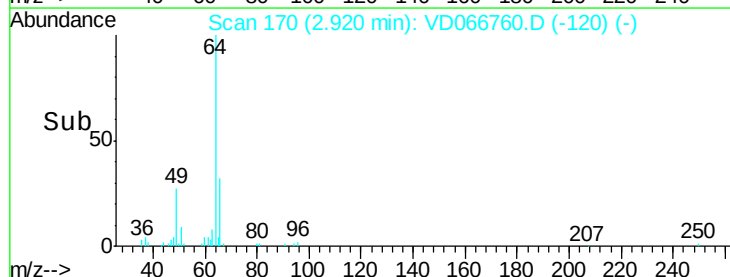
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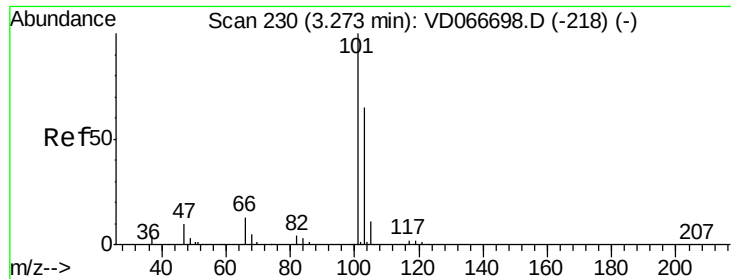
10000

5000

0

Time-->





#7

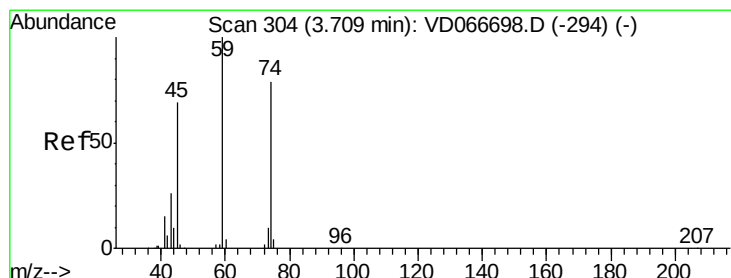
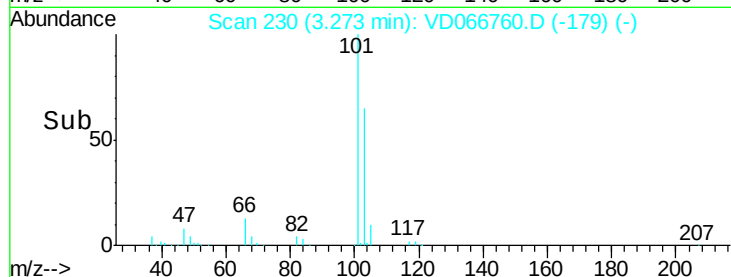
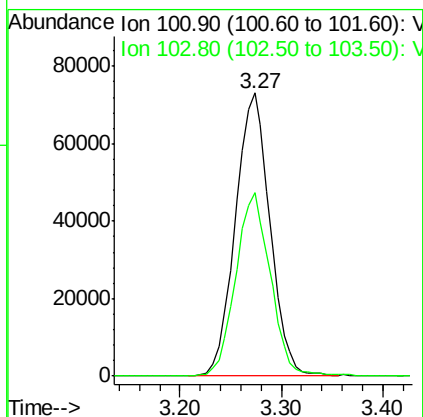
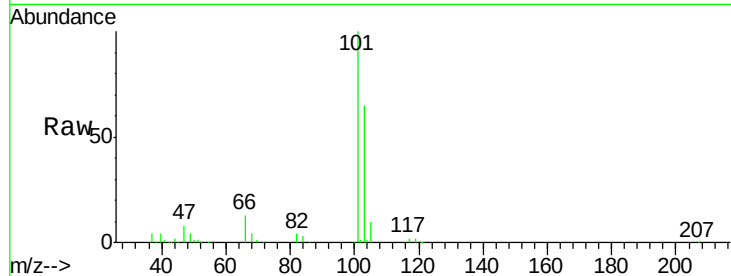
Trichlorofluoromethane
 Concen: 21.268 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
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 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	173352		
103	64.4	51.8	77.8	

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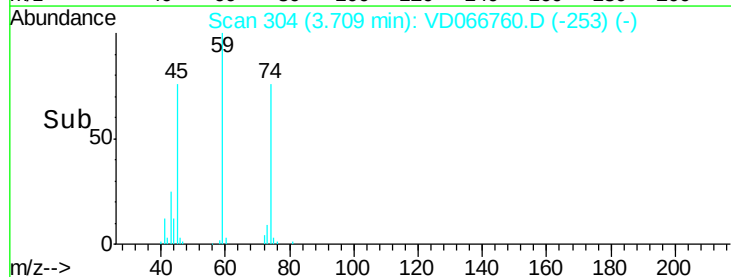
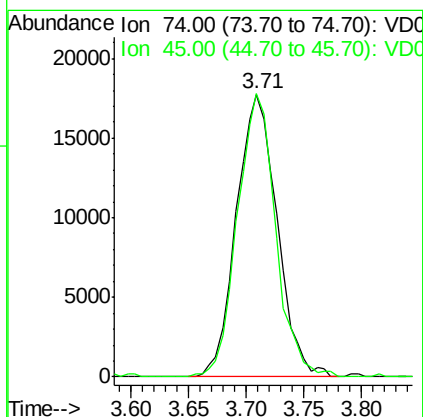
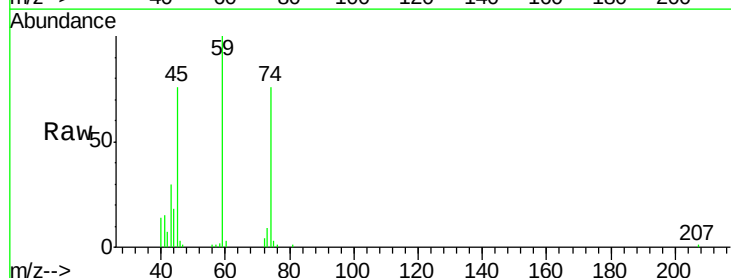
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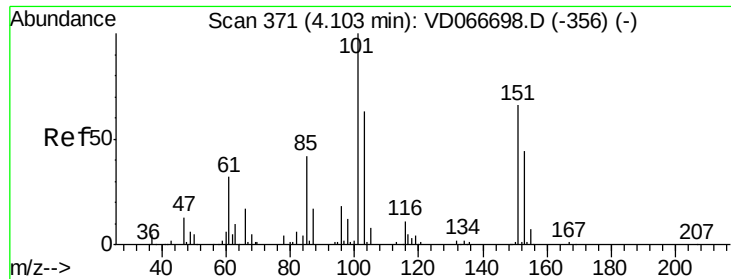


#8

Diethyl Ether
 Concen: 21.295 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43464		
45	94.4	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.170 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

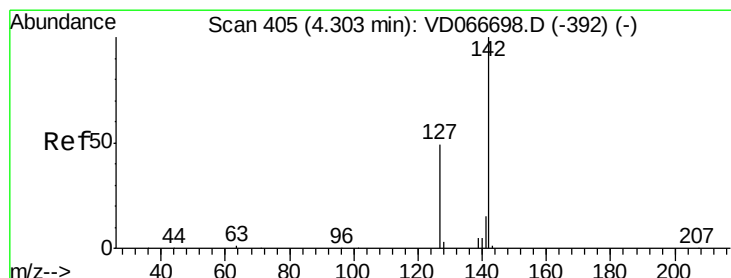
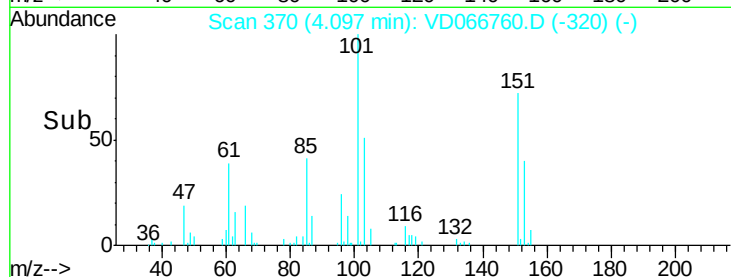
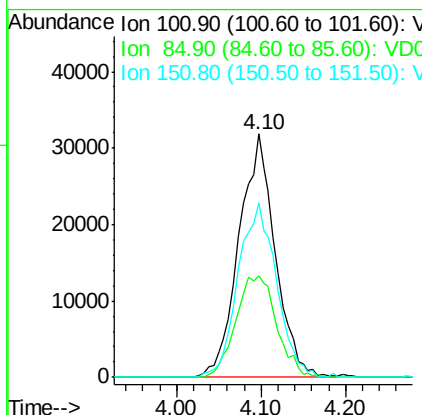
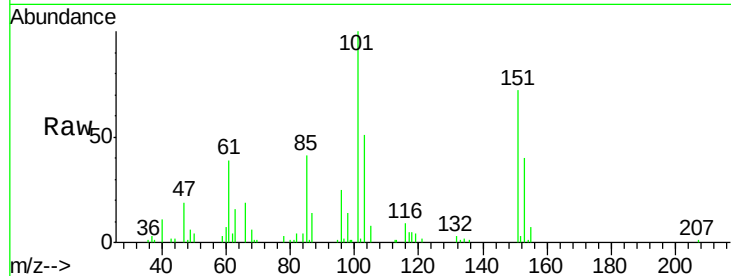
ClientSampleId :

VD0918SBS01

Tot Ion:	101	Resp:	94832
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.3	54.5
151	75.5	58.0	87.0

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9/21/2020 11:48:55 AM



#10

Methyl Iodide

Concen: 18.567 ug/l

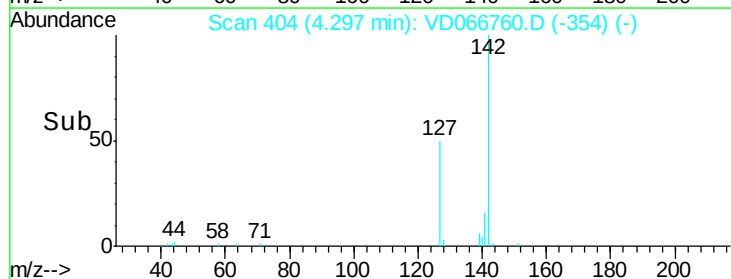
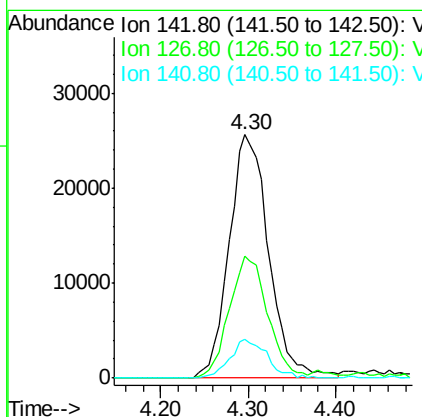
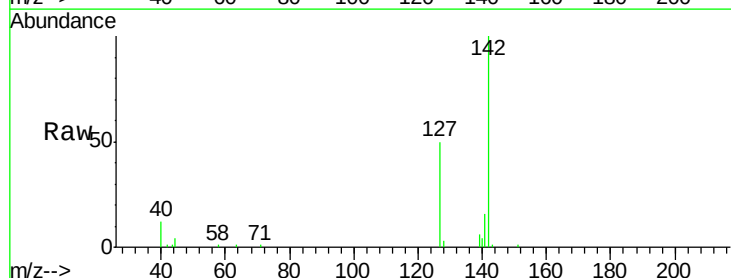
RT: 4.30 min Scan# 404

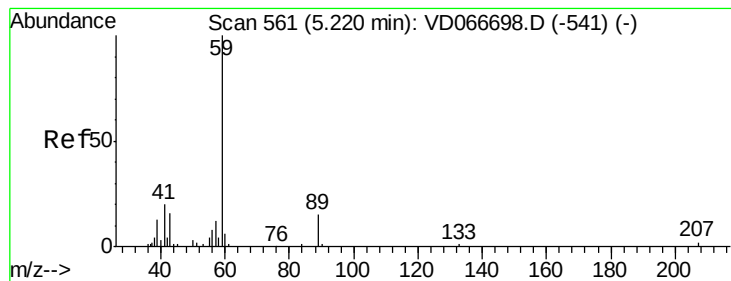
Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	142	Resp:	78911
Ion Ratio	Lower	Upper	
142	100		
127	48.4	39.0	58.4
141	14.9	11.7	17.5





#11

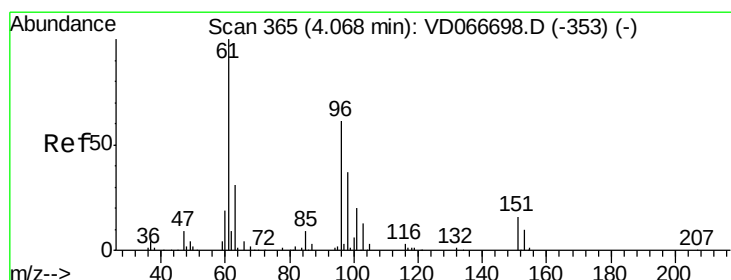
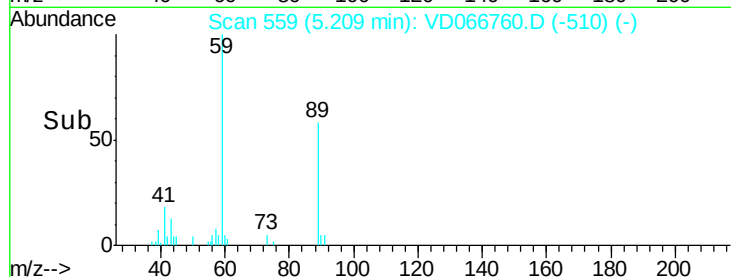
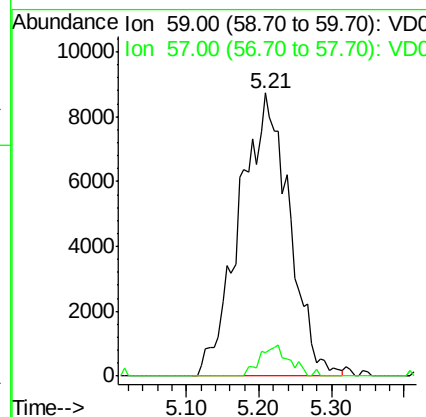
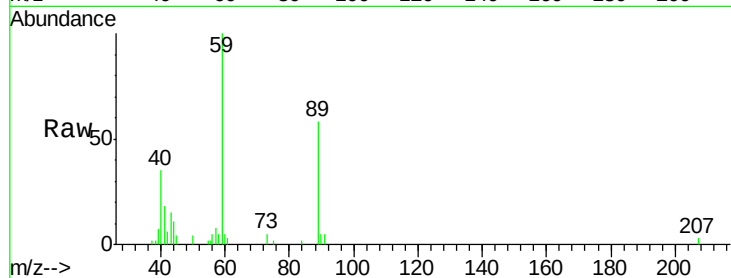
Tert butyl alcohol
 Concen: 106.137 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion: 59 Resp: 41800
 Ion Ratio Lower Upper
 59 100
 57 6.3 6.7 10.1#

Manual Integrations
 APPROVED

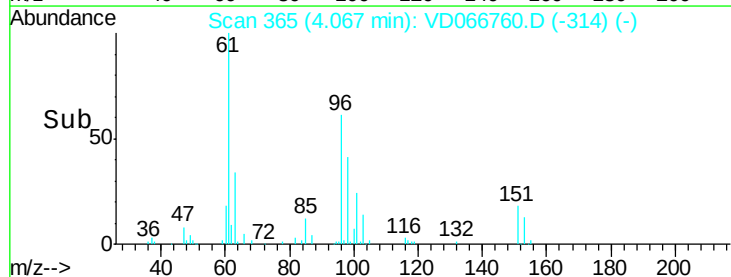
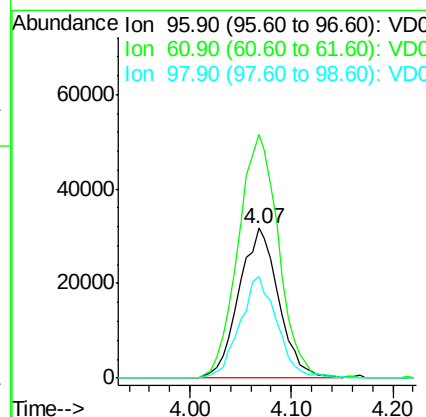
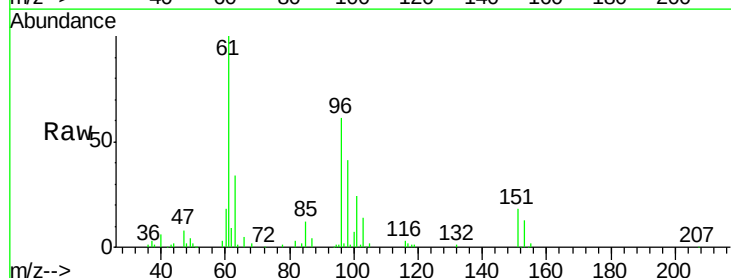
MMDadoda
 9/21/2020 11:48:55 AM

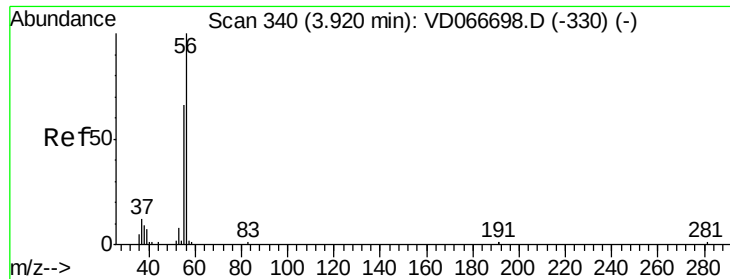


#12

1,1-Dichloroethene
 Concen: 20.795 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion: 96 Resp: 86219
 Ion Ratio Lower Upper
 96 100
 61 162.7 131.9 197.9
 98 67.5 49.1 73.7





#13

Acrolein

Concen: 87.833 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 56 Resp: 27386

Ion Ratio Lower Upper

56 100

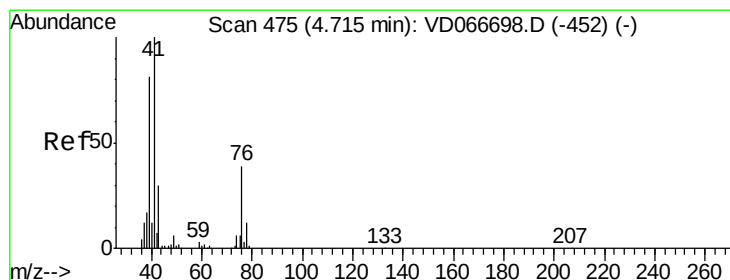
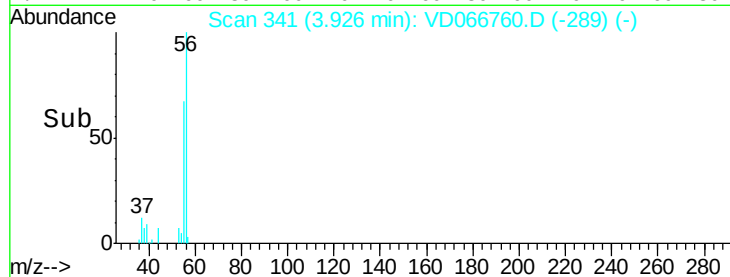
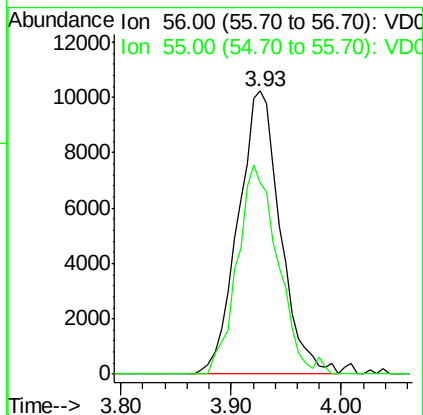
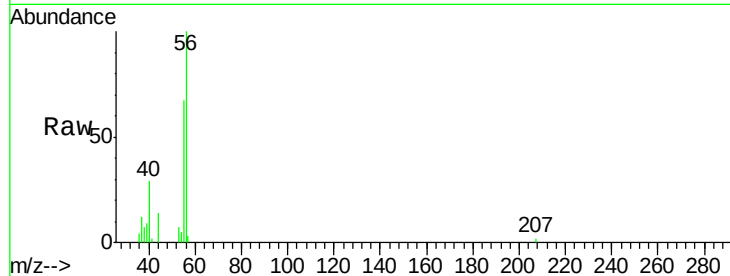
55 70.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.112 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

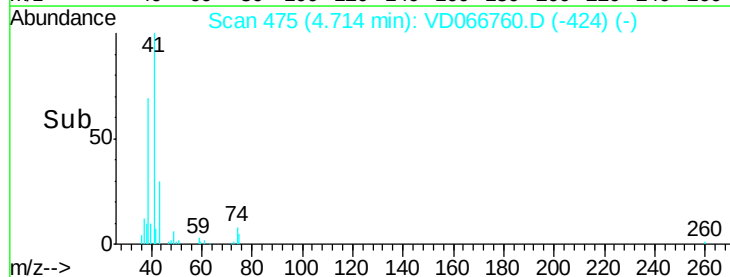
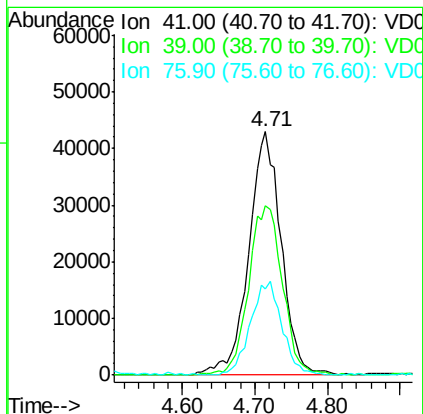
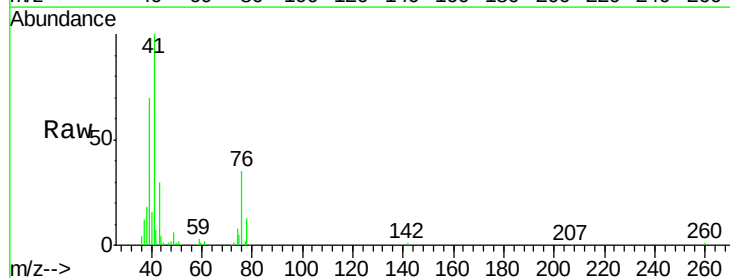
Tgt Ion: 41 Resp: 133911

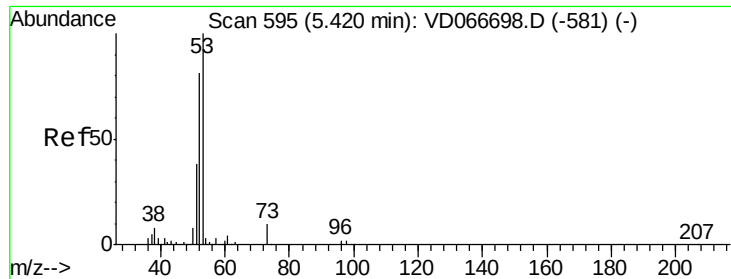
Ion Ratio Lower Upper

41 100

39 72.7 60.6 90.8

76 37.4 29.2 43.8





#15

Acrylonitrile

Concen: 102.371 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

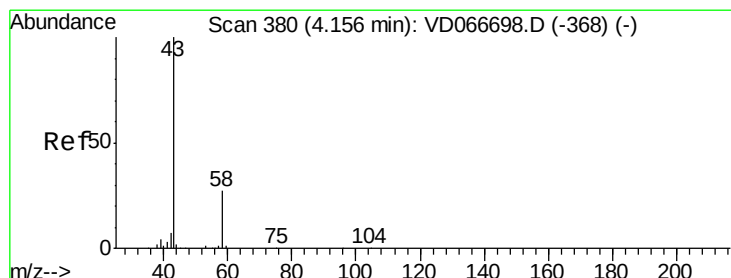
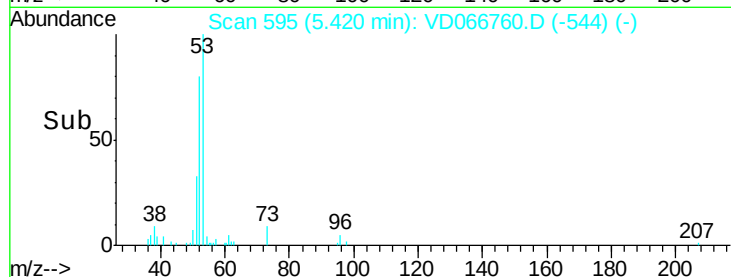
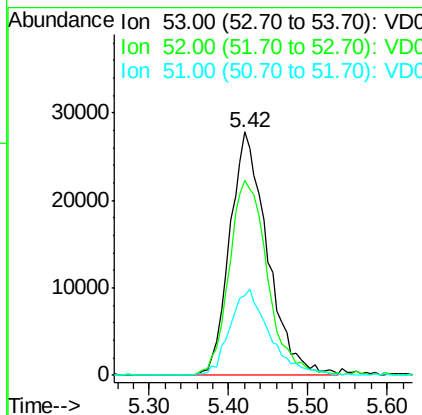
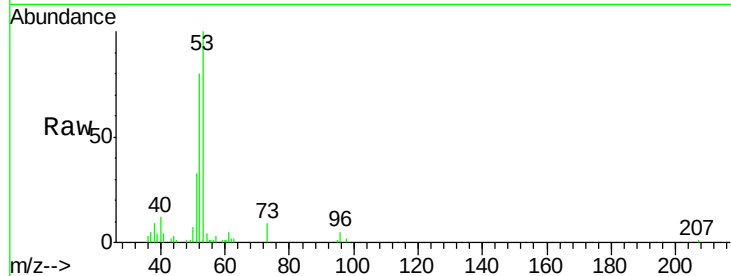
ClientSampleId :

VD0918SBS01

Tot Ion:	53	Resp:	91531
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.6	99.8
51	37.4	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 102.575 ug/l

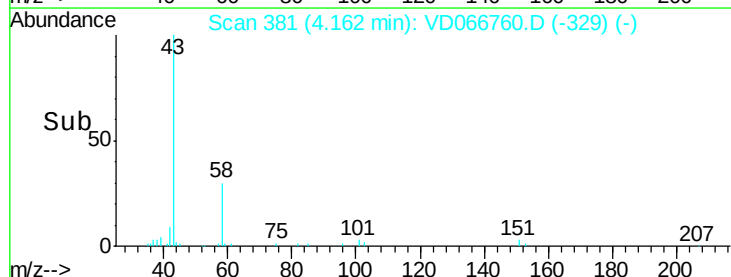
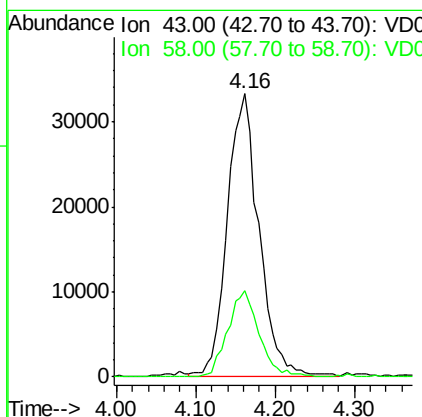
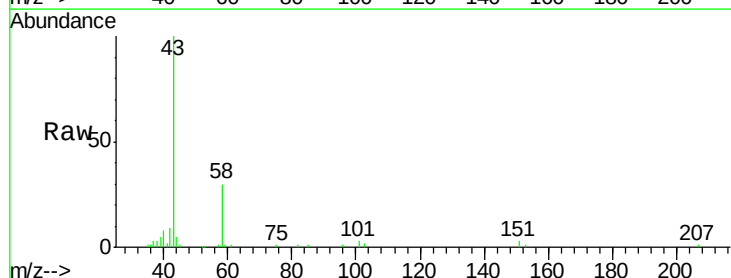
RT: 4.16 min Scan# 381

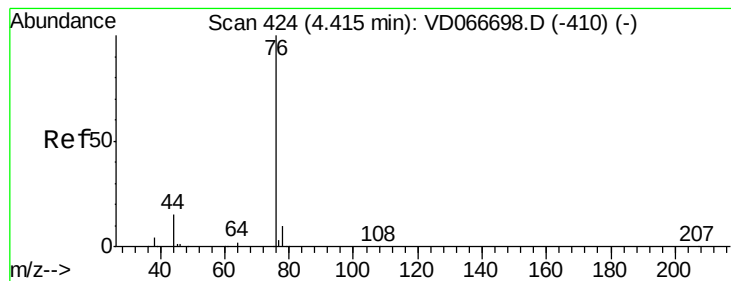
Delta R.T. 0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	43	Resp:	92345
Ion Ratio	Lower	Upper	
43	100		
58	30.4	21.9	32.9





#17

Carbon Disulfide

Concen: 21.127 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 76 Resp: 275246

Ion Ratio Lower Upper

76 100

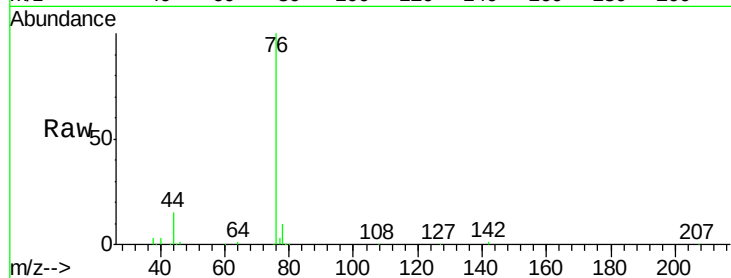
78 9.8 8.0 12.0

Manual Integrations

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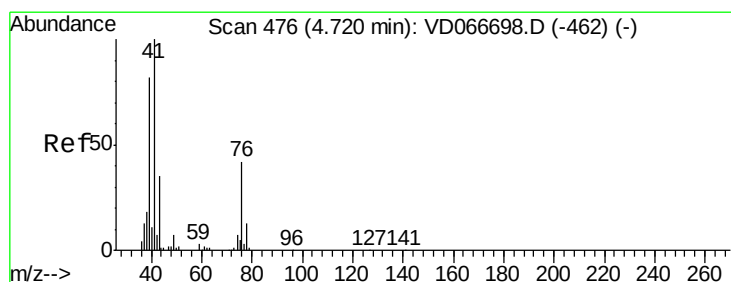
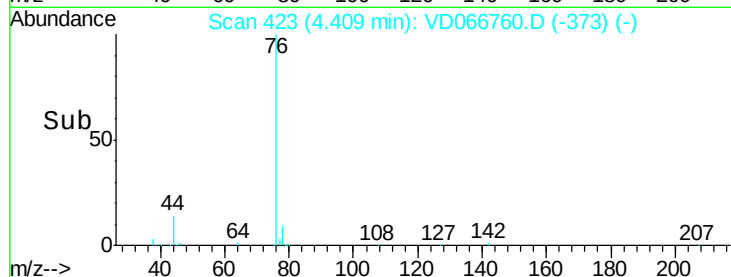
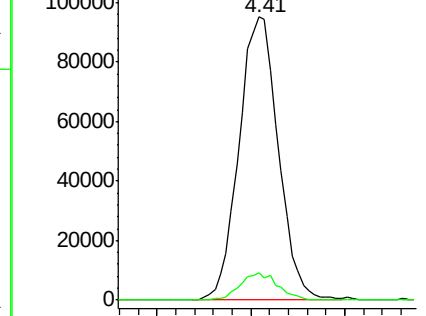
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.333 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD066760.D

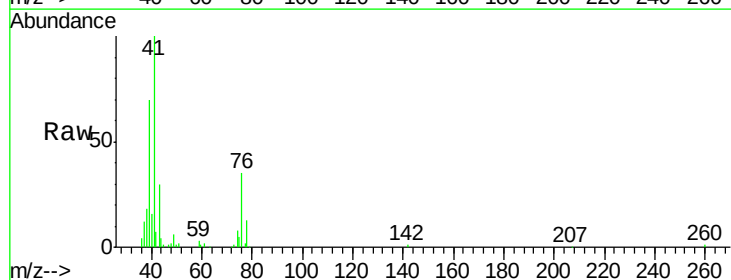
Acq: 18 Sep 2020 12:28

Tgt Ion: 43 Resp: 41399

Ion Ratio Lower Upper

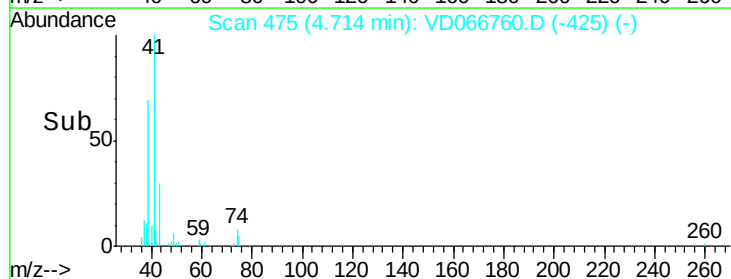
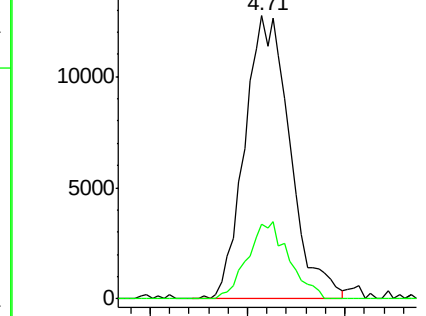
43 100

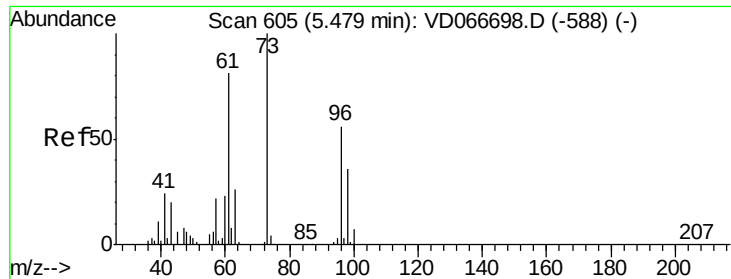
74 25.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





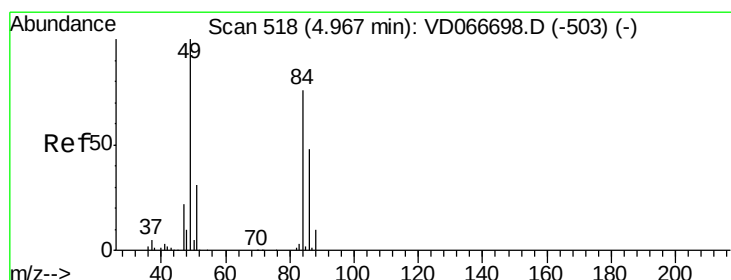
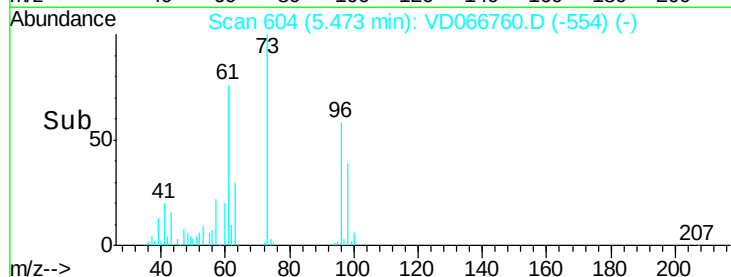
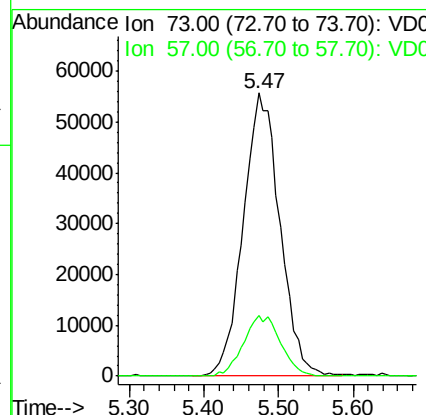
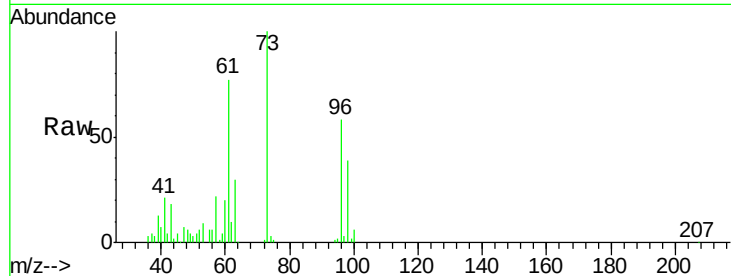
#19
Methyl tert-butyl Ether
Concen: 20.568 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 73 Resp: 189947
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.6

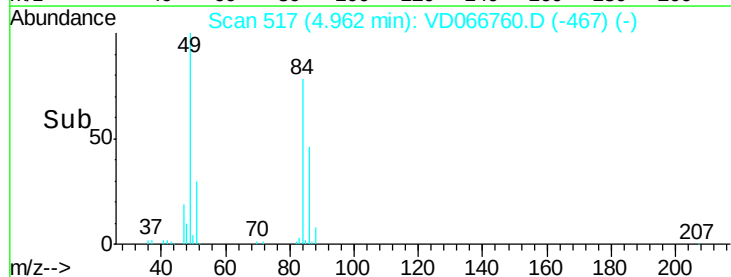
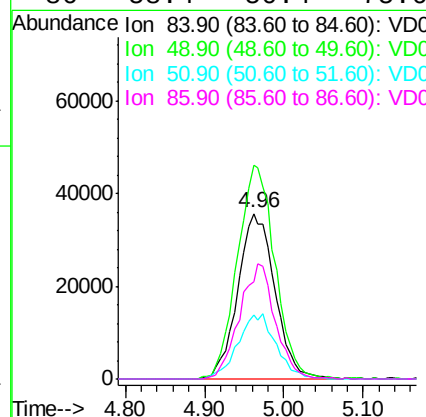
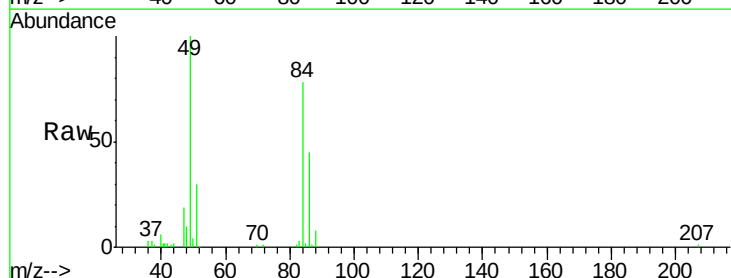
Manual Integrations
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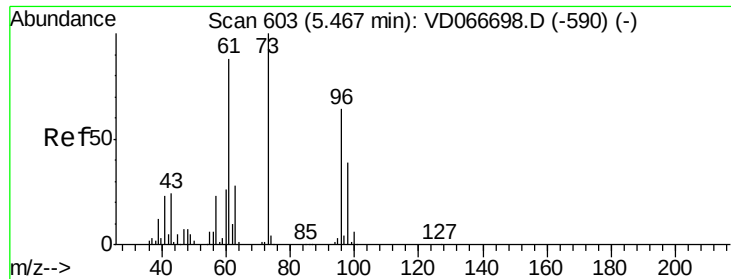
MMDadoda
9/21/2020 11:48:55 AM



#20
Methylene Chloride
Concen: 19.420 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion: 84 Resp: 115772
Ion Ratio Lower Upper
84 100
49 128.9 105.0 157.6
51 38.6 32.2 48.4
86 58.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.055 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 96 Resp: 101705

Ion Ratio Lower Upper

96 100

61 133.1 110.6 166.0

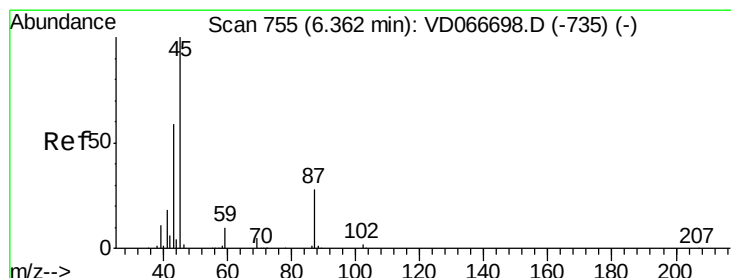
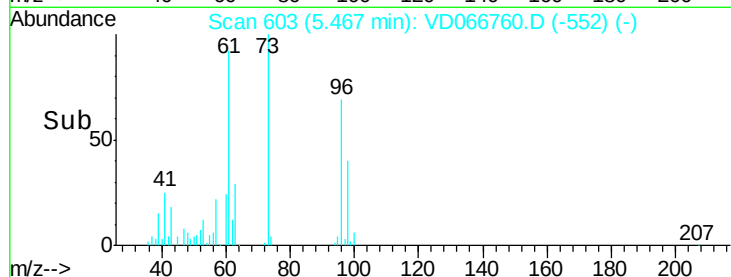
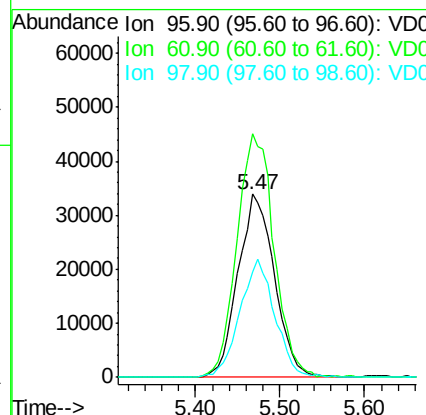
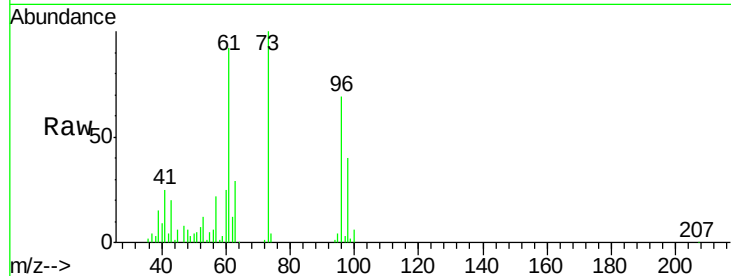
98 57.7 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.799 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion: 45 Resp: 281401

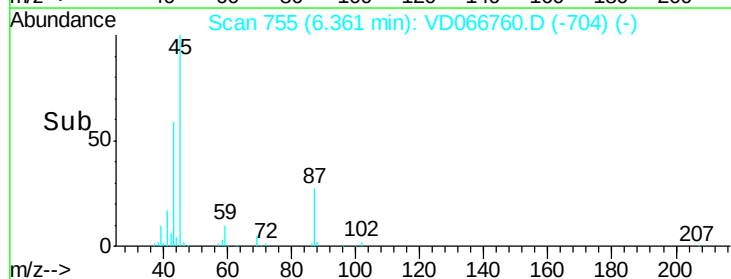
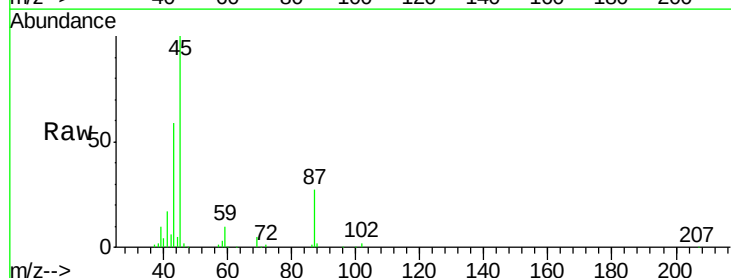
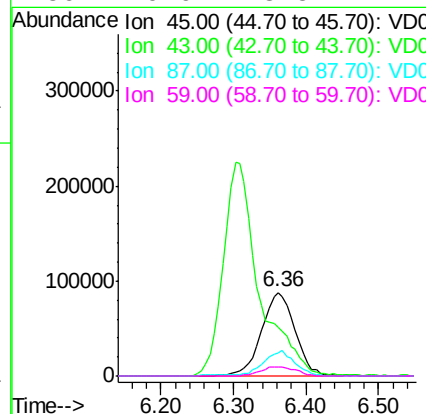
Ion Ratio Lower Upper

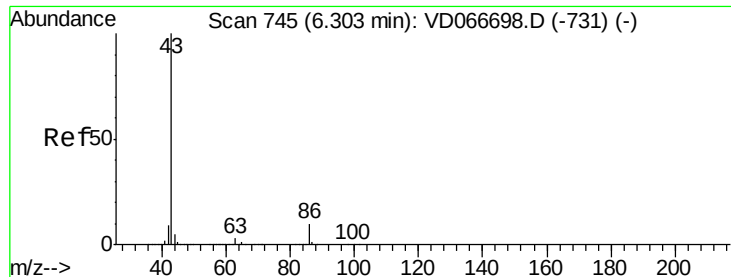
45 100

43 57.8 46.9 70.3

87 26.9 22.4 33.6

59 9.9 8.5 12.7





#23

Vinyl Acetate

Concen: 102.878 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 43 Resp: 774229

Ion Ratio Lower Upper

43 100

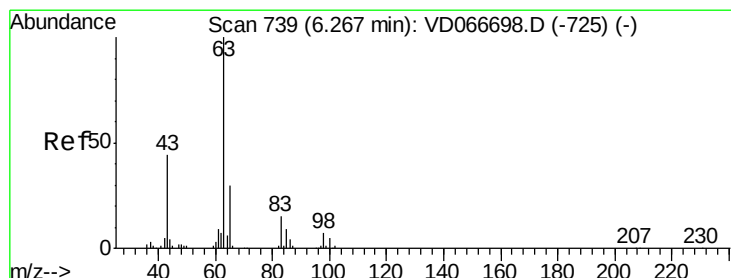
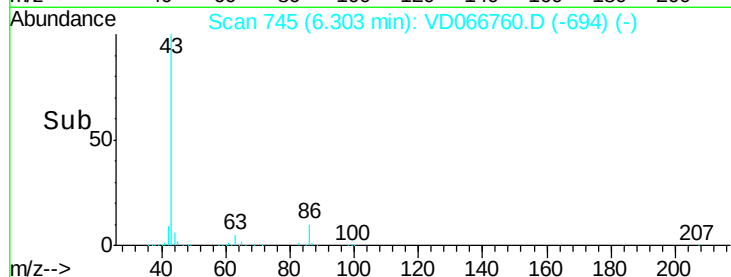
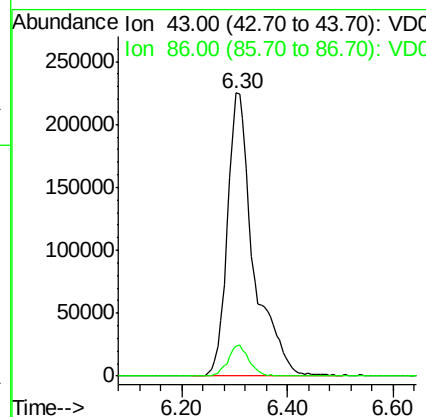
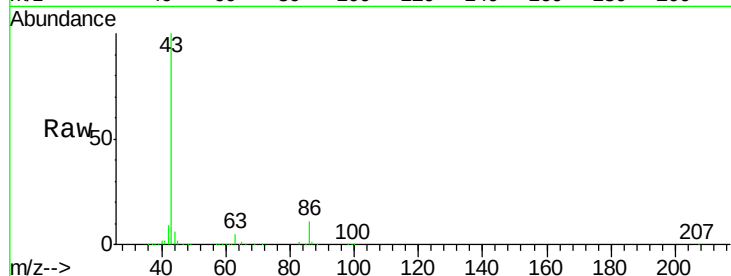
86 10.5 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.455 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

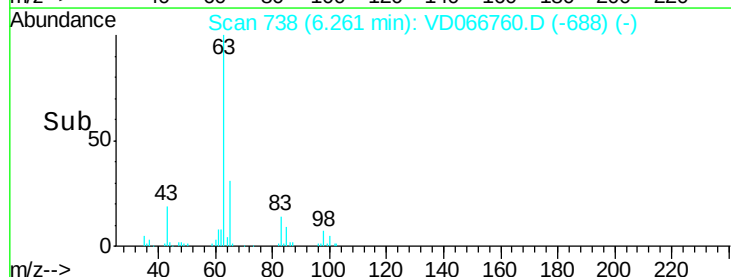
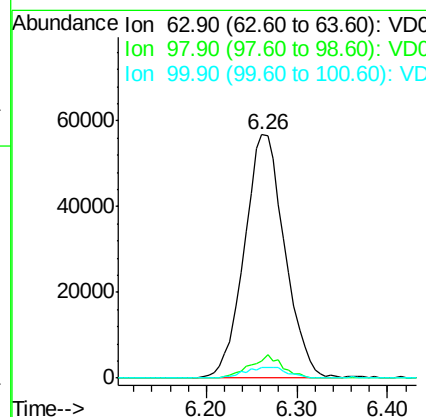
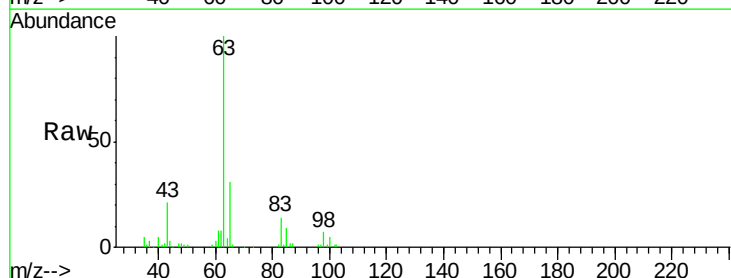
Tgt Ion: 63 Resp: 175609

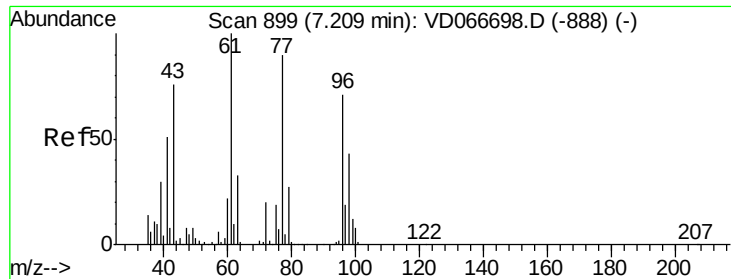
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.6 2.6 8.0





#25

2-Butanone

Concen: 101.242 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 43 Resp: 118684

Ion Ratio Lower Upper

43 100

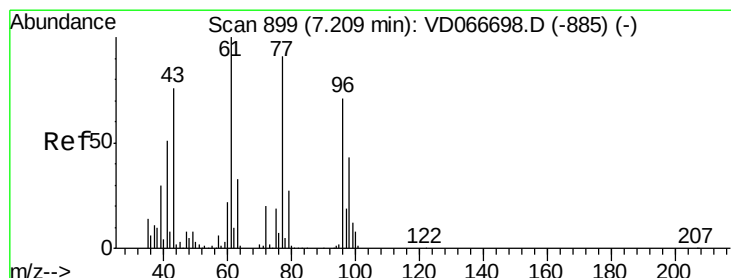
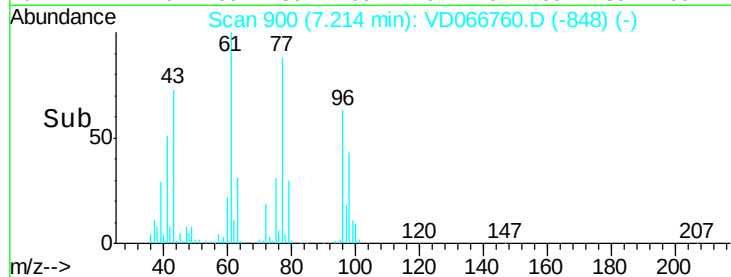
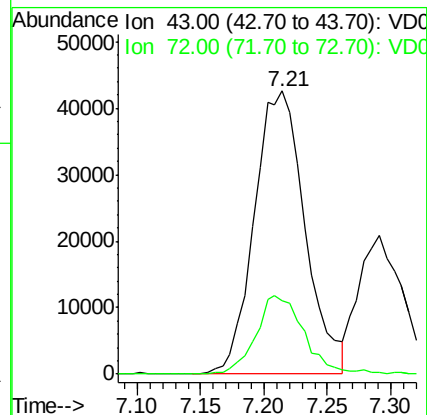
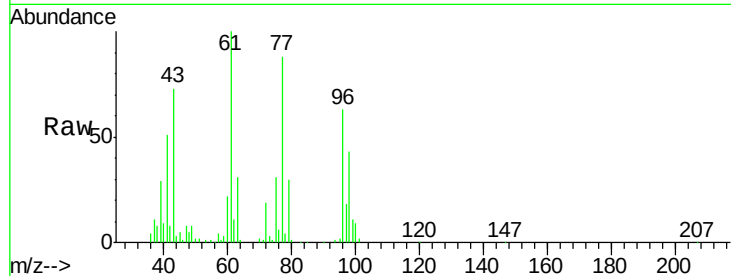
72 25.9 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.850 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066760.D

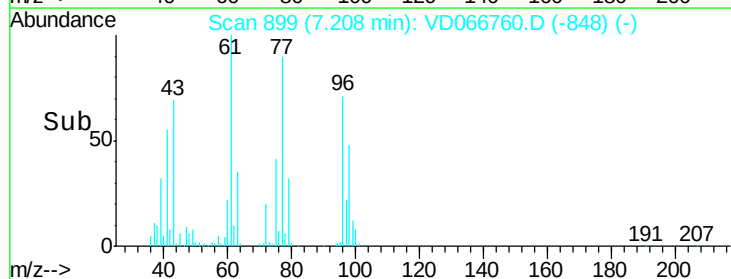
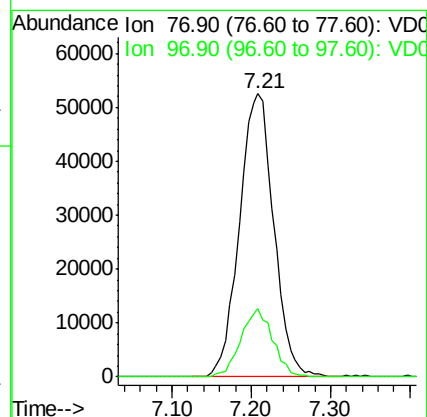
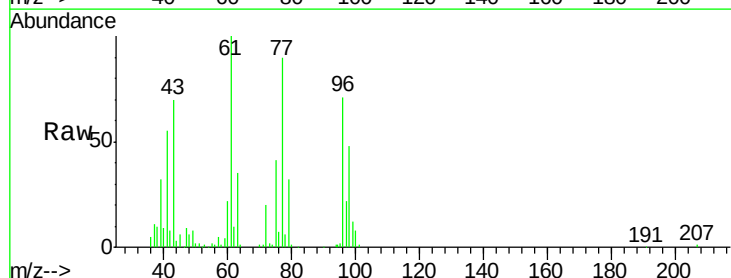
Acq: 18 Sep 2020 12:28

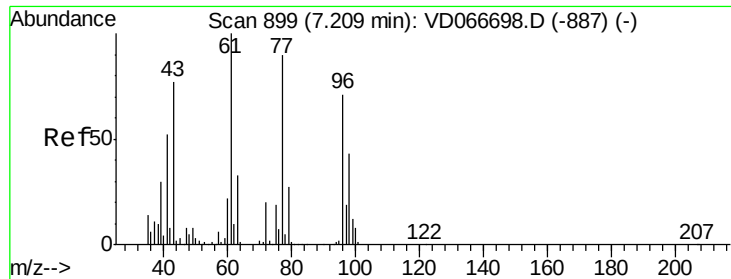
Tgt Ion: 77 Resp: 157593

Ion Ratio Lower Upper

77 100

97 22.3 10.6 31.8





#27

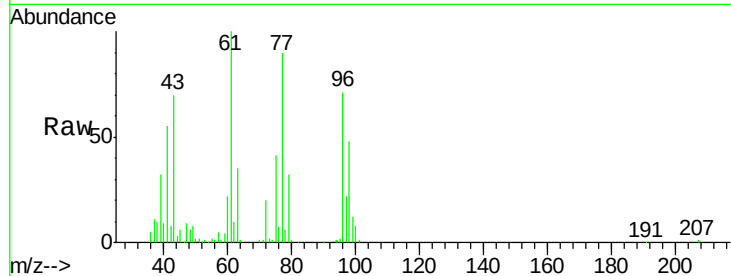
cis-1,2-Dichloroethene
 Concen: 20.332 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	292.4
98	64.5	0.0	127.0

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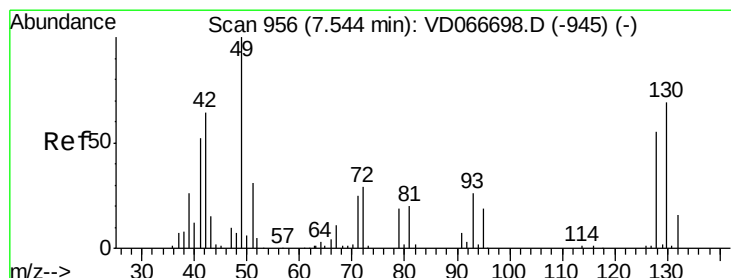
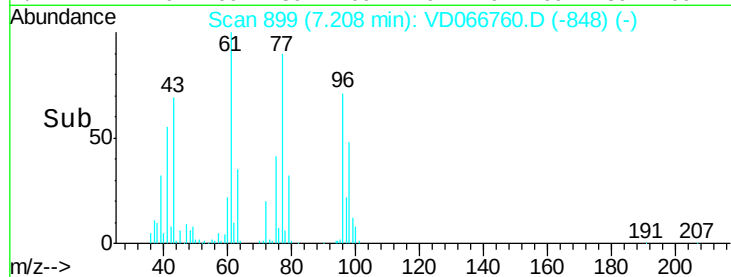
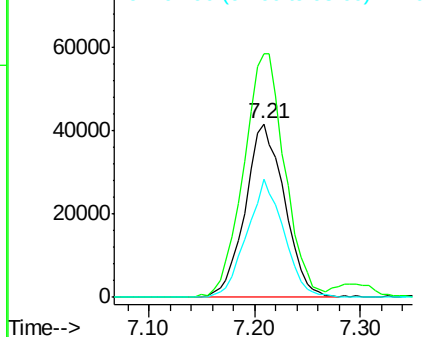


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

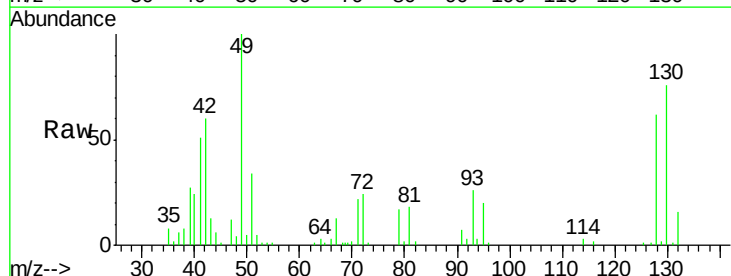
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane
 Concen: 21.981 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	77.5	58.6	88.0

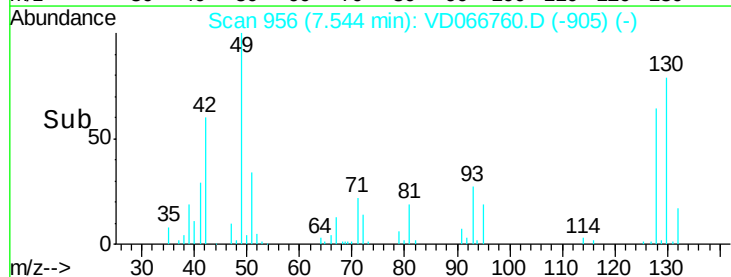
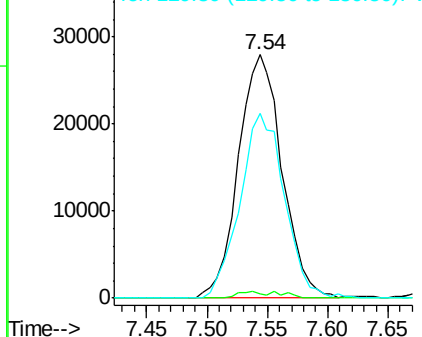


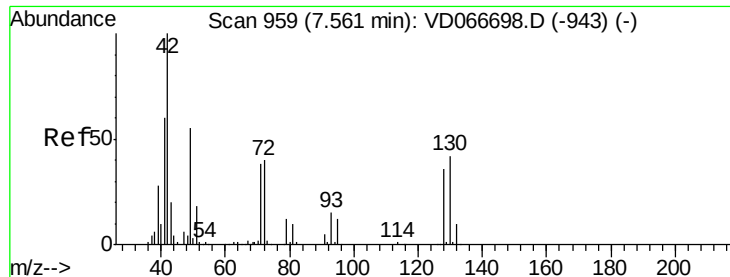
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





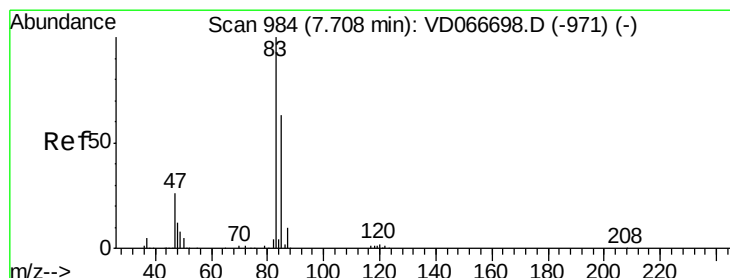
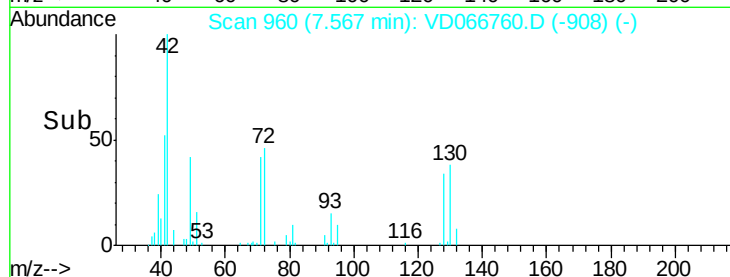
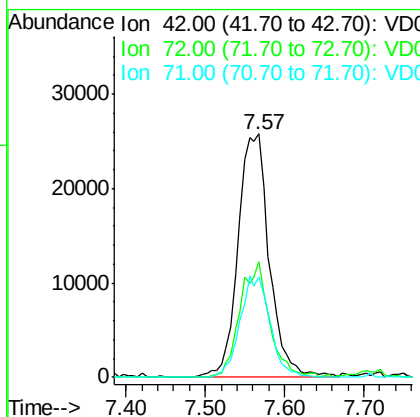
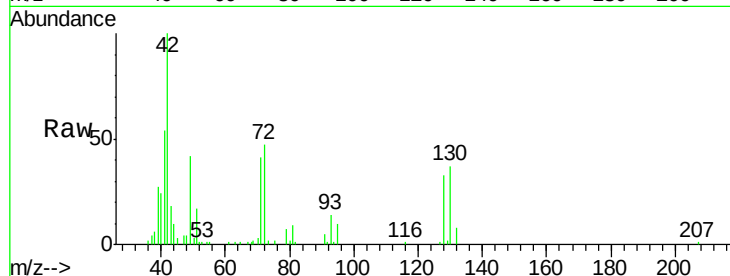
#29
Tetrahydrofuran
Concen: 98.654 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	32.6	48.8
71	39.7	30.6	45.8

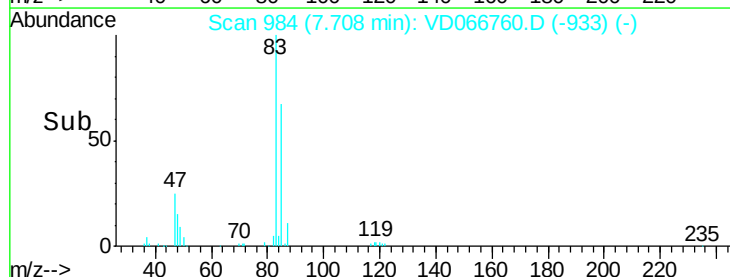
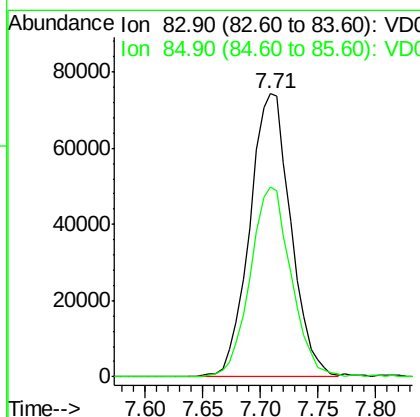
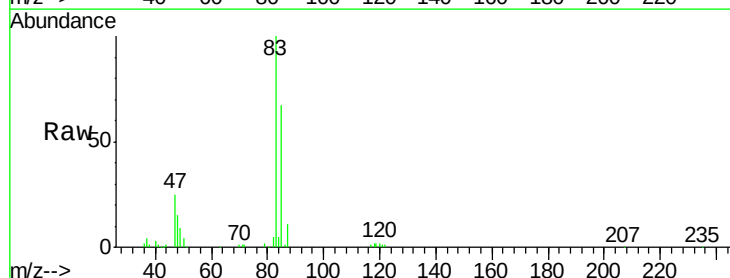
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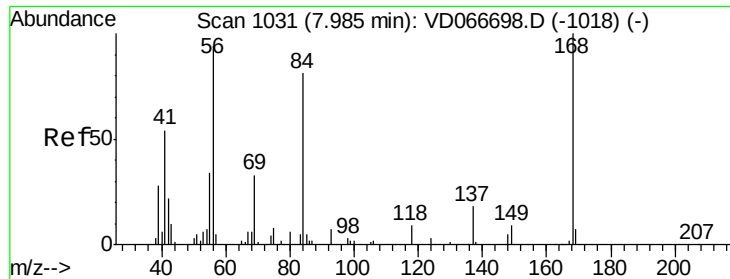
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#30
Chloroform
Concen: 20.190 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.6	76.0





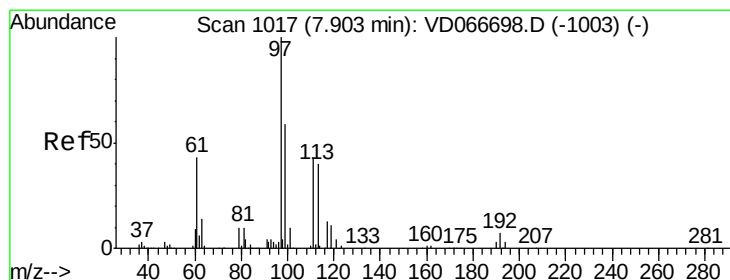
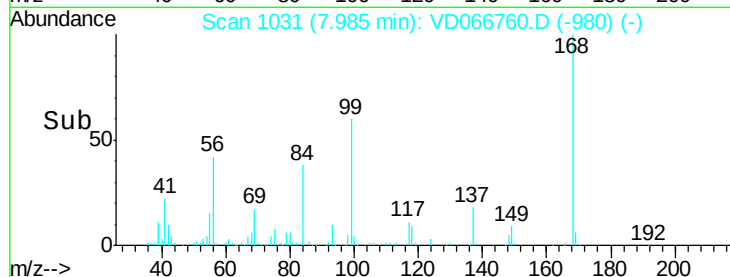
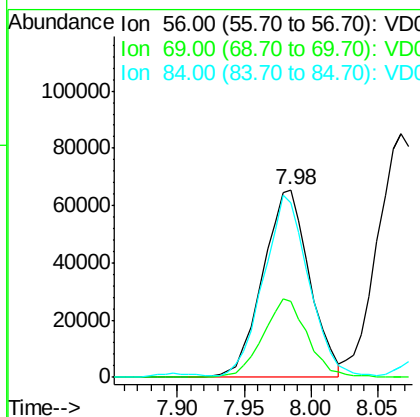
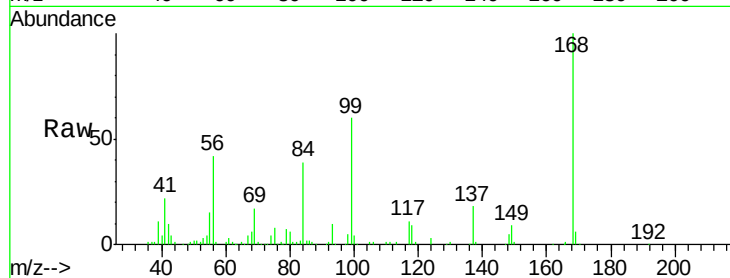
#31
Cyclohexane
Concen: 20.280 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleID :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	27.7	41.5
84	91.8	68.5	102.7

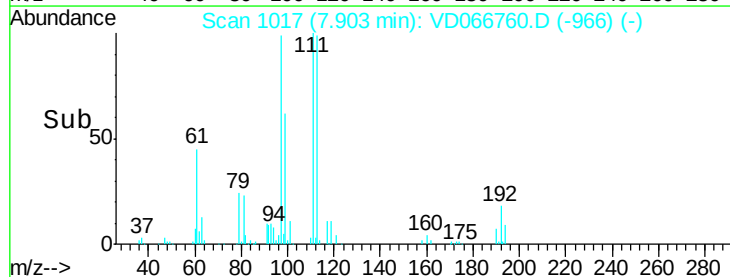
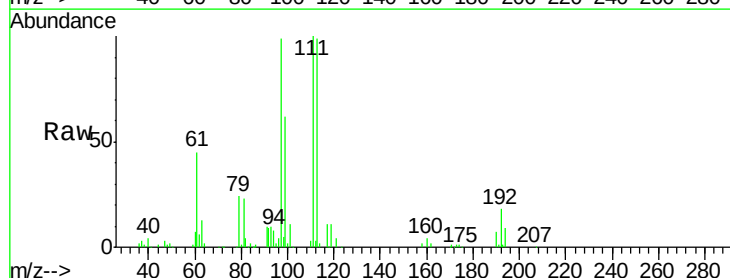
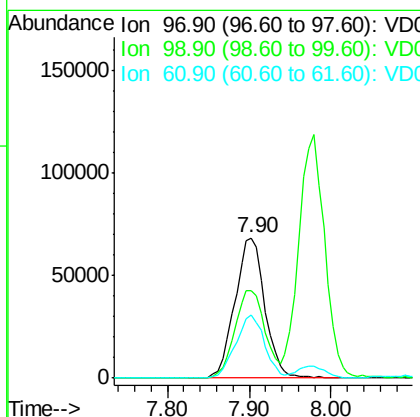
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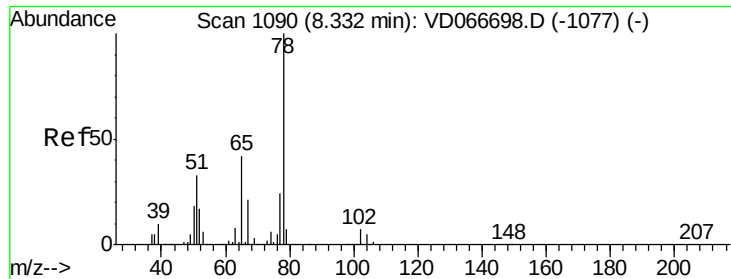
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#32
1,1,1-Trichloroethane
Concen: 20.852 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	43.6	35.2	52.8





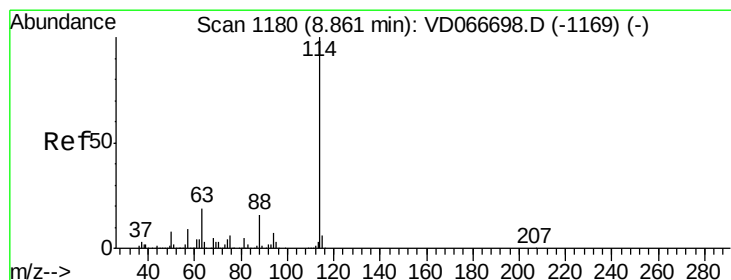
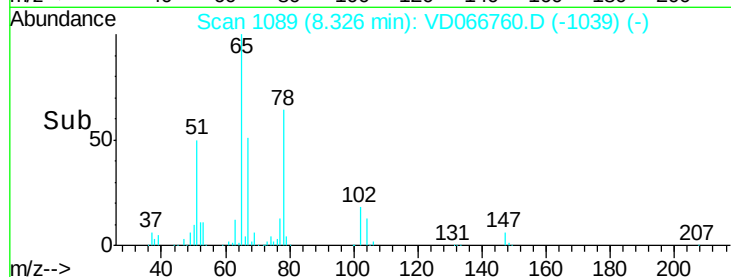
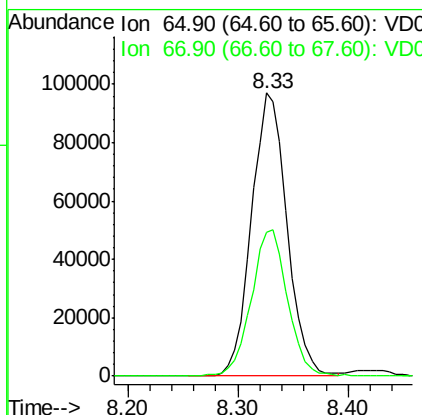
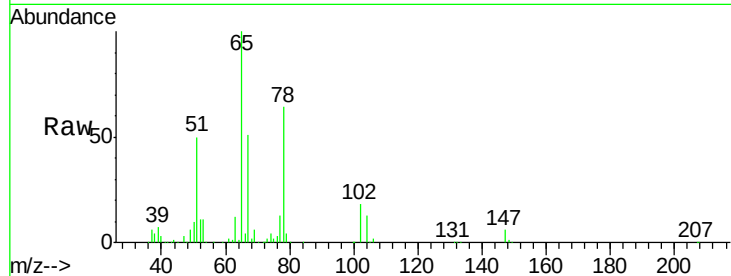
#33
 1,2-Dichloroethane-d4
 Concen: 49.536 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218996		
67	53.0	0.0	102.2	

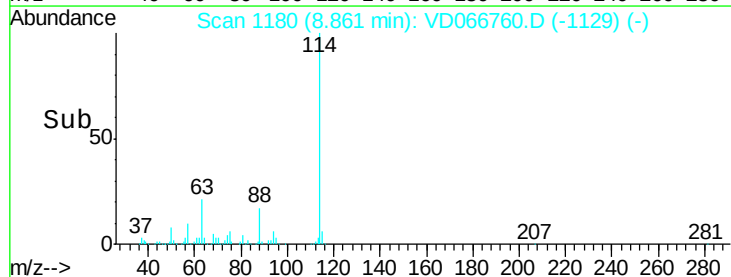
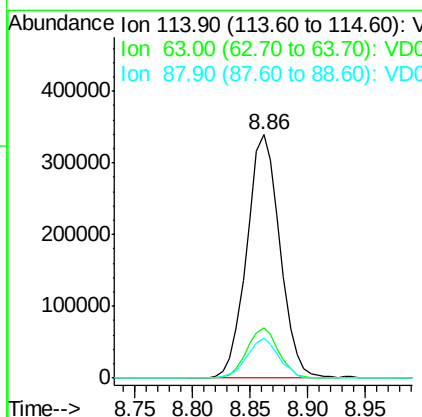
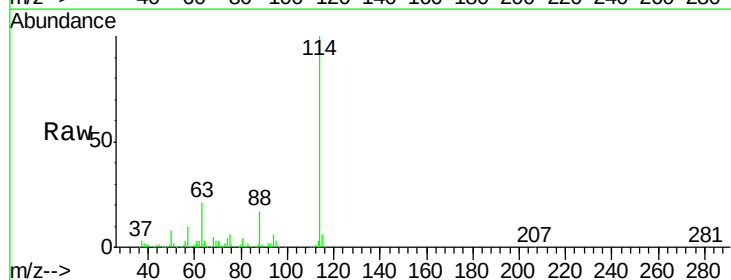
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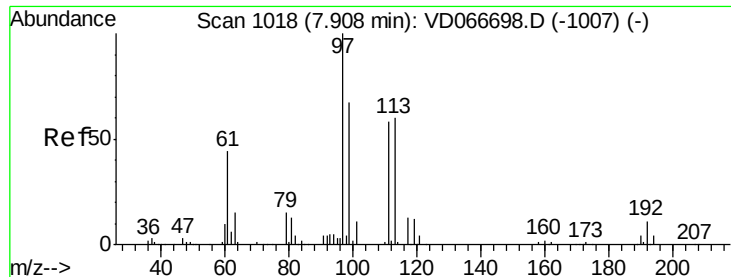
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679561		
63	20.9	0.0	37.6	
88	16.5	0.0	32.2	





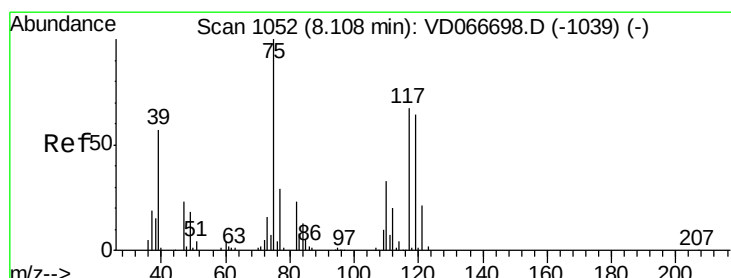
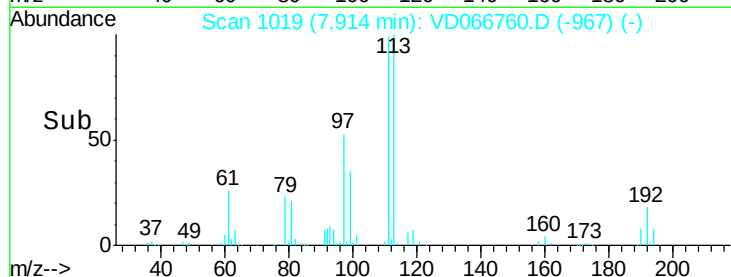
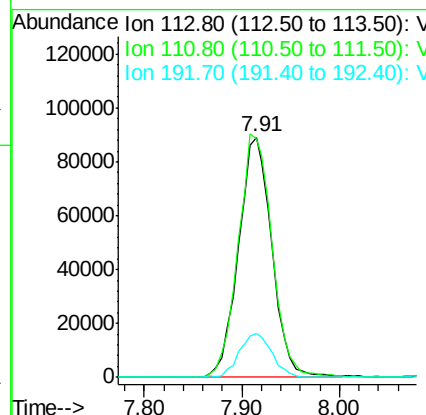
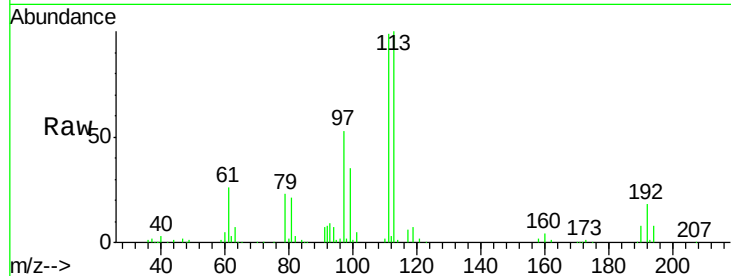
#35
Dibromofluoromethane
Concen: 50.855 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211881		
111	103.2	83.2	124.8	
192	18.2	14.8	22.2	

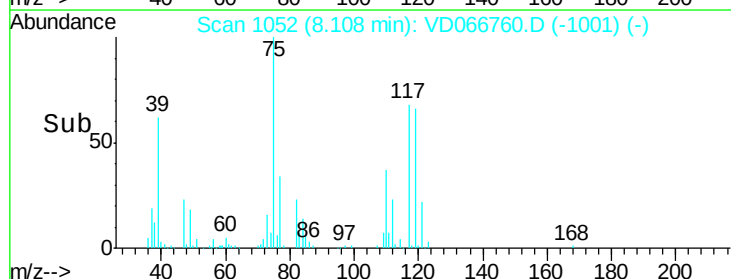
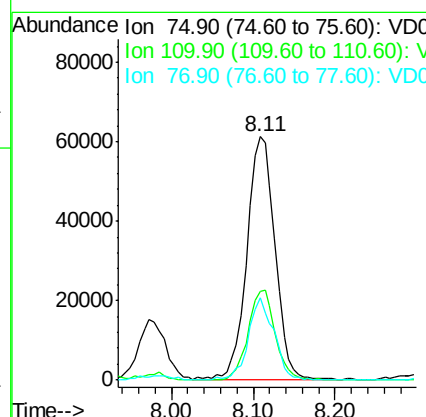
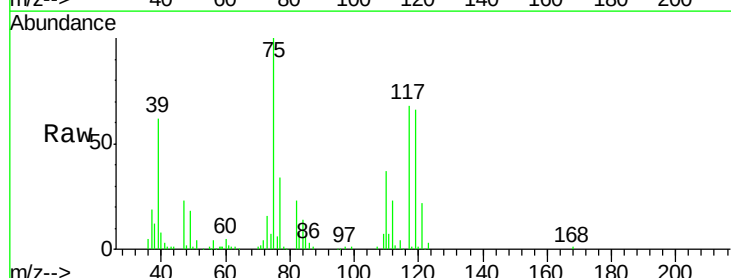
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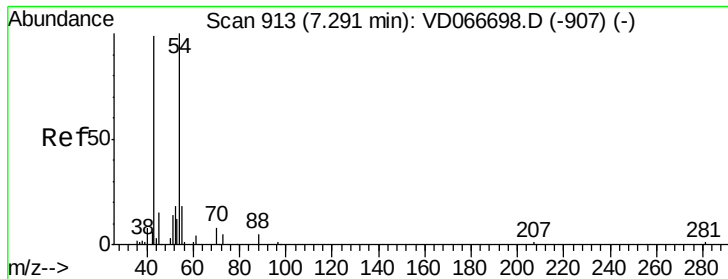
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#36
1,1-Dichloropropene
Concen: 21.068 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	147201		
110	35.5	17.1	51.2	
77	30.8	25.0	37.6	





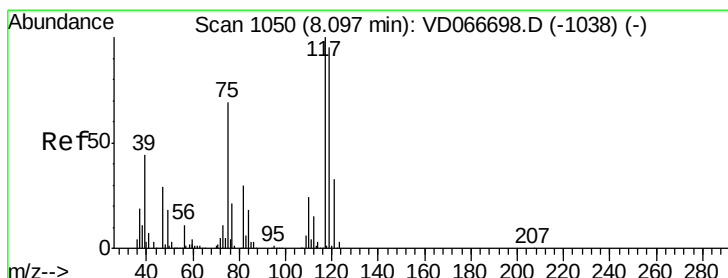
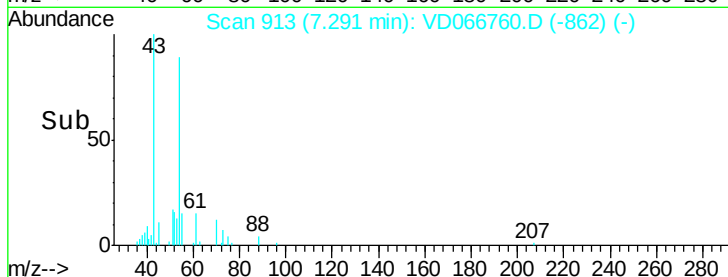
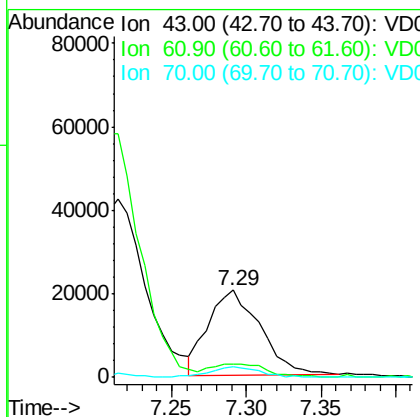
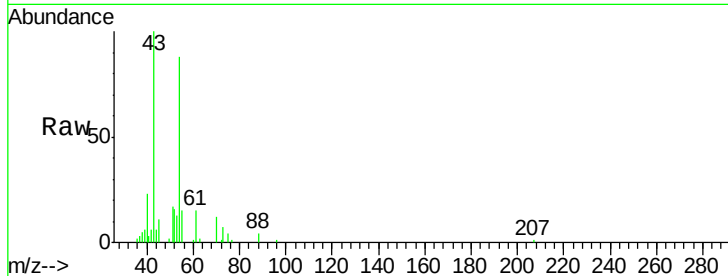
#37
Ethyl Acetate
Concen: 18.894 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	10.4	15.6#
70	11.8	7.5	11.3#

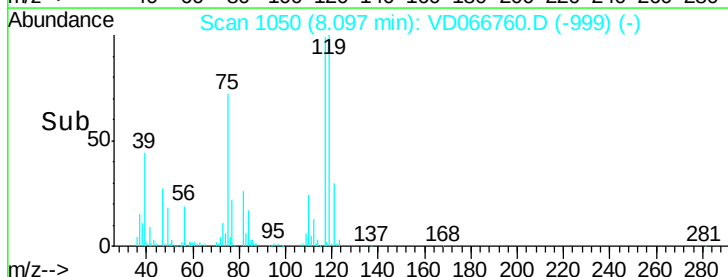
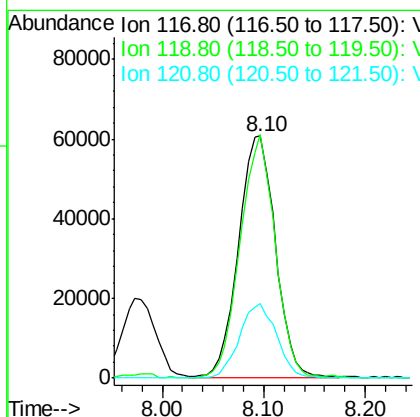
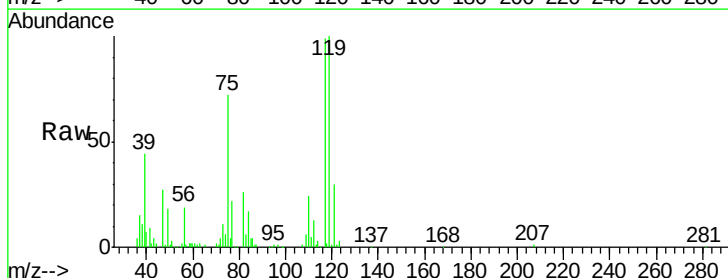
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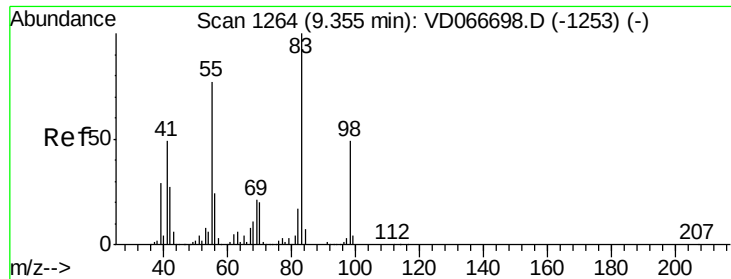
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#38
Carbon Tetrachloride
Concen: 20.591 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	75.8	113.6
121	30.7	26.2	39.4





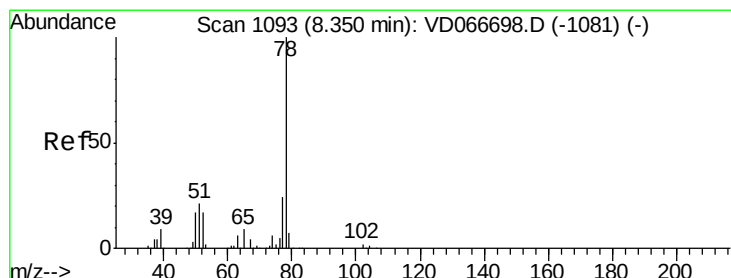
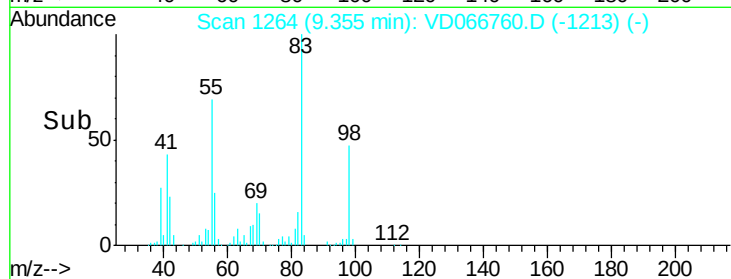
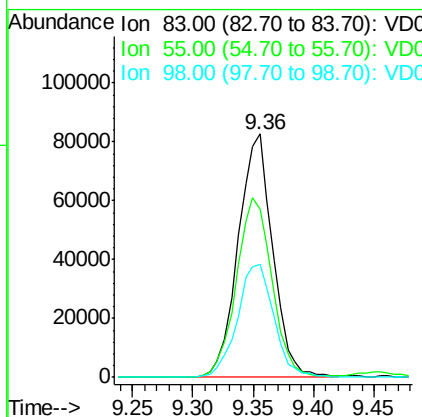
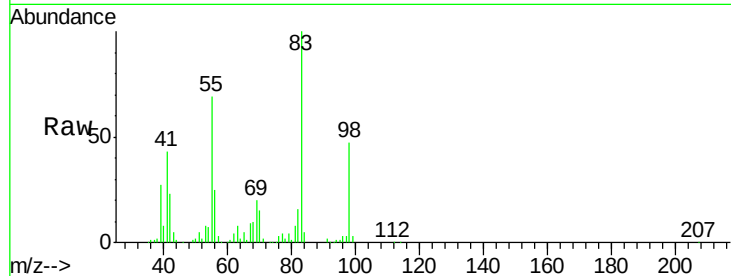
#39
Methylvlcyclohexane
Concen: 20.692 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165365		
55	69.2		61.5	92.3
98	46.6		39.3	58.9

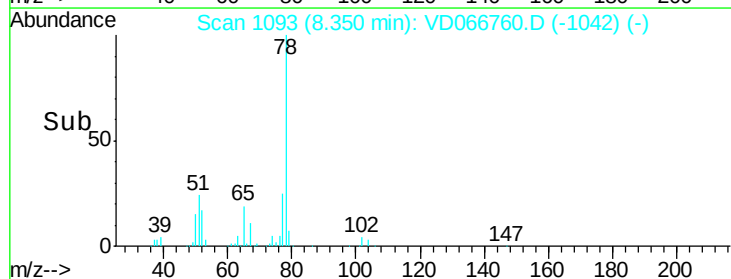
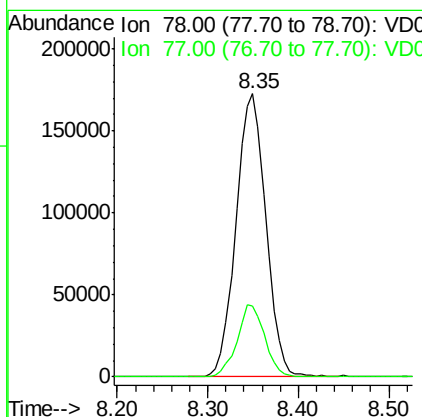
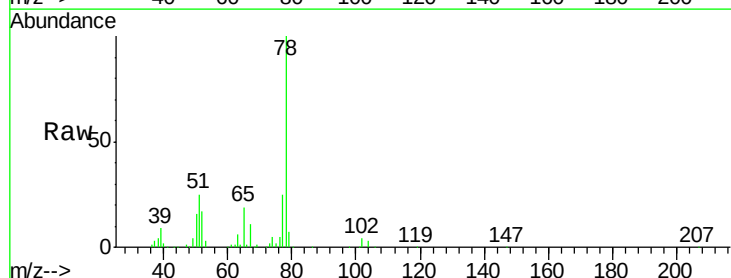
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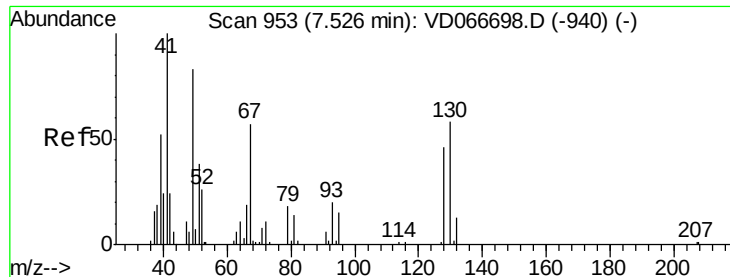
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#40
Benzene
Concen: 20.942 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	395847		
77	25.0		19.3	28.9





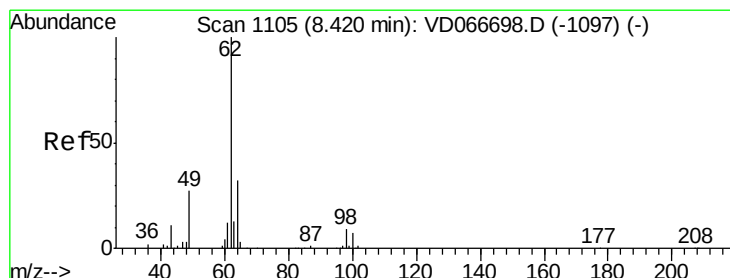
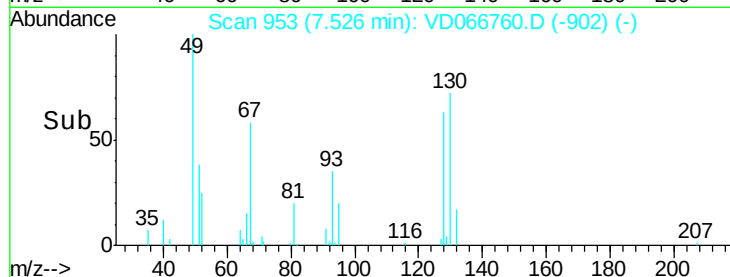
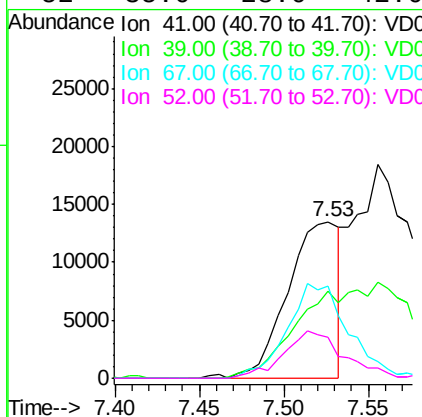
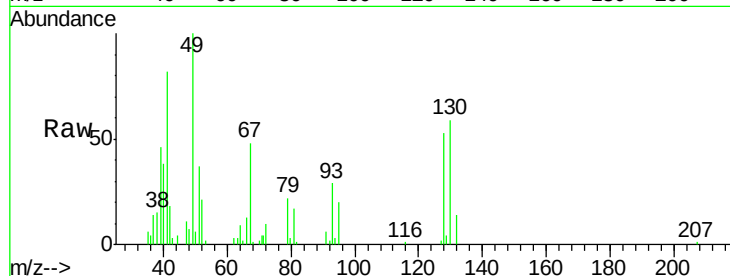
#41
Methacrylonitrile
Concen: 20.599 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	41	Resp	28845
Ion Ratio	Lower	Upper	
41	100		
39	0.0	59.3	88.9#
67	71.5	62.3	93.5
52	35.0	28.0	42.0

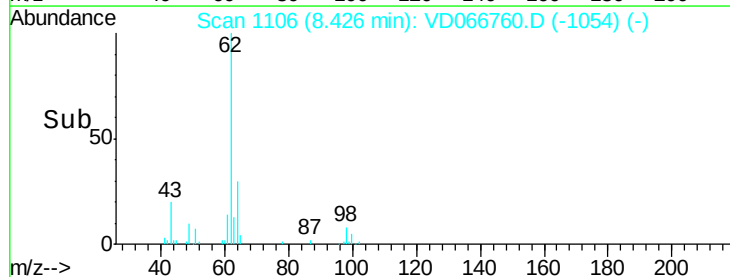
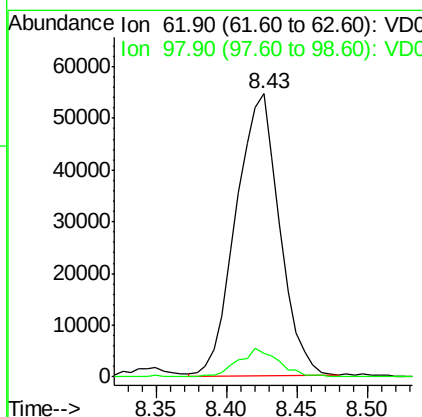
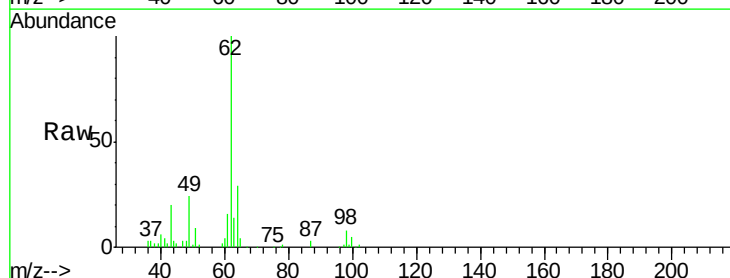
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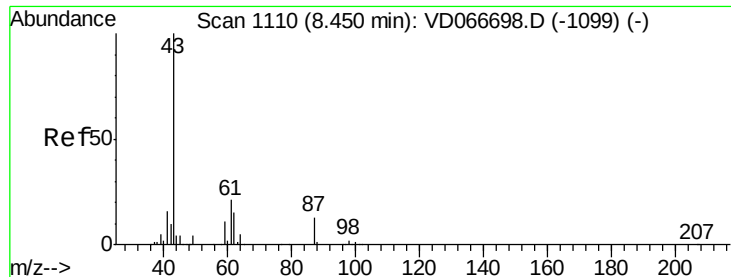
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#42
1,2-Dichloroethane
Concen: 20.052 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	62	Resp	117424
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.833 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

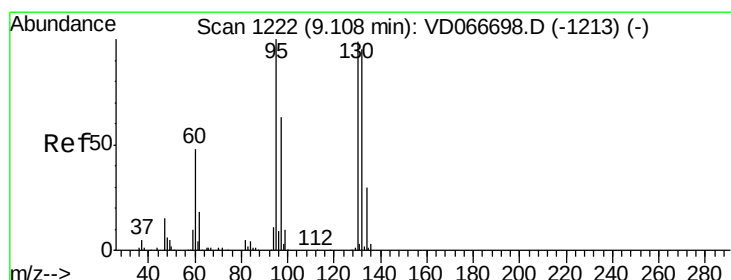
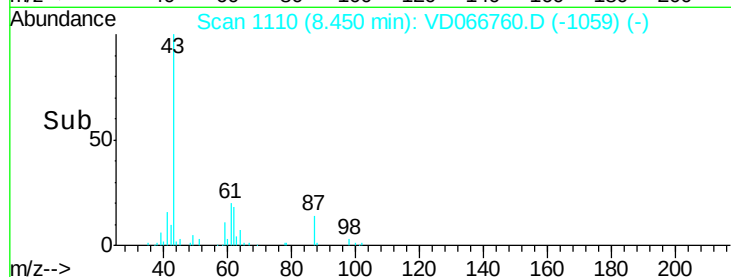
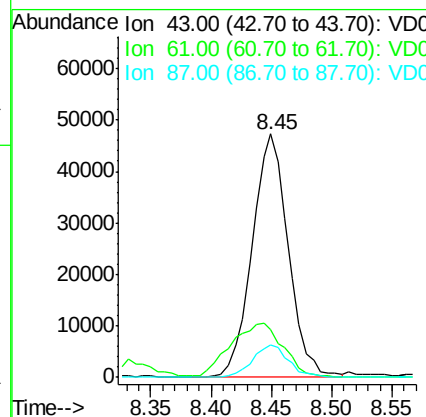
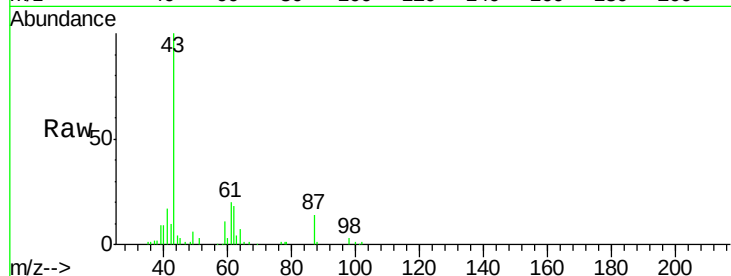
ClientSampleId :

VD0918SBS01

Tot Ion:	43	Resp:	98741
Ion	Ratio	Lower	Upper
43	100		
61	32.3	24.8	37.2
87	13.4	10.4	15.6

Manual Integrations
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9/21/2020 11:48:55 AM



#44

Trichloroethene

Concen: 20.699 ug/l

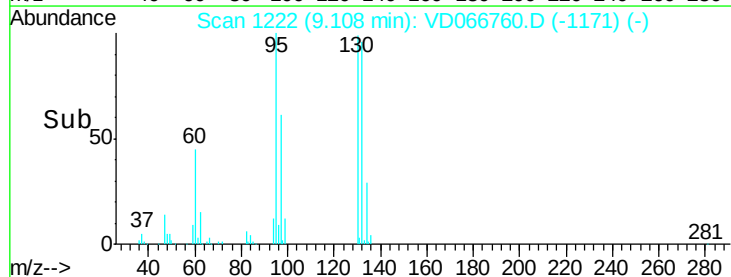
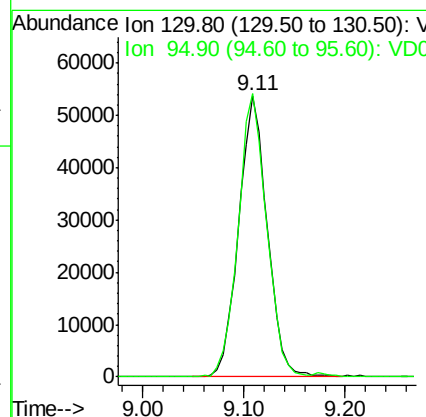
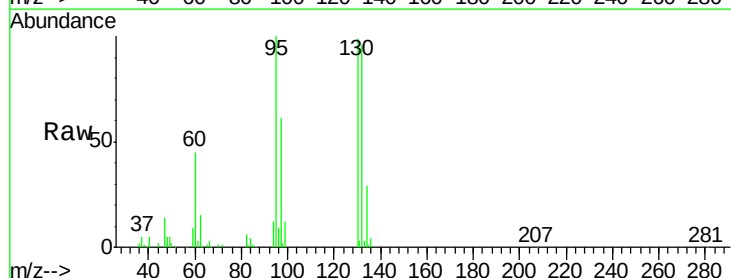
RT: 9.11 min Scan# 1222

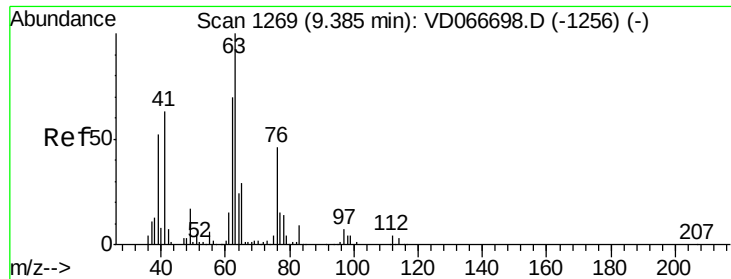
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	130	Resp:	104612
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	201.4





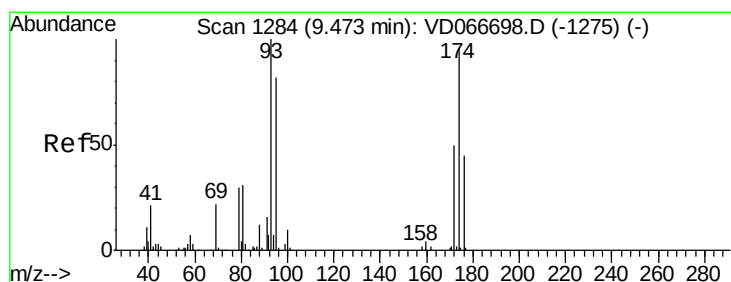
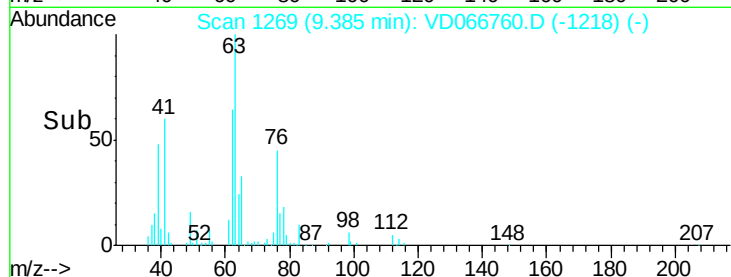
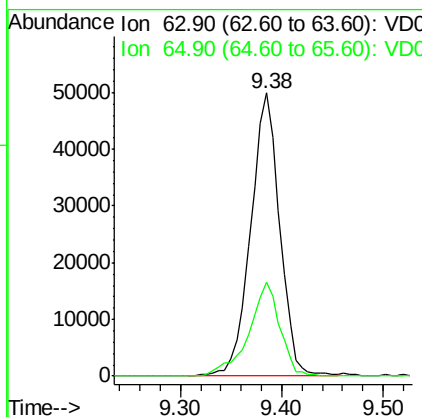
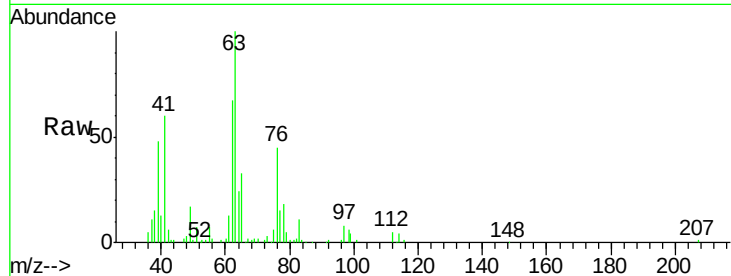
#45
 1,2-Dichloropropane
 Concen: 21.190 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	23.4	35.0

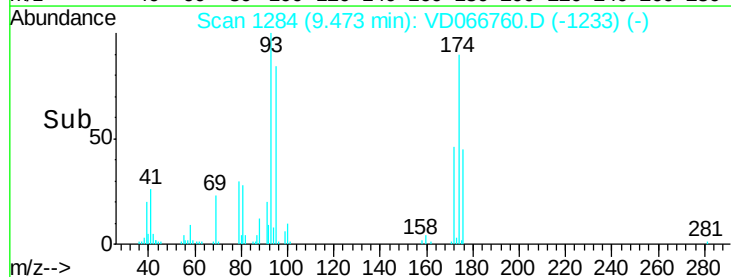
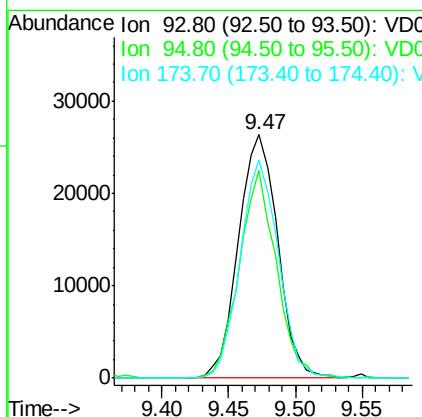
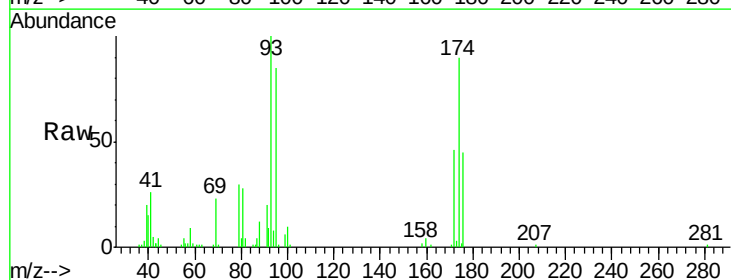
Manual Integrations
 APPROVED

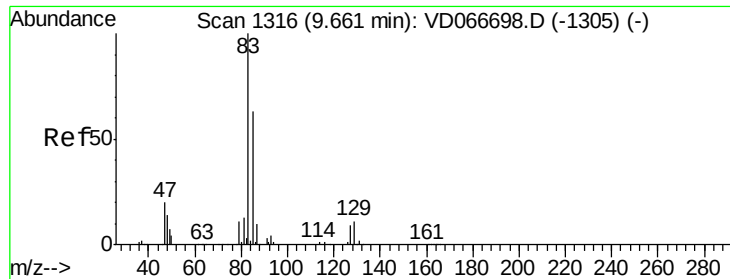
MMDadoda
 9/21/2020 11:48:55 AM



#46
 Dibromomethane
 Concen: 20.905 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.5	66.0	99.0
174	87.6	72.3	108.5





#47

Bromodichloromethane

Concen: 20.673 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

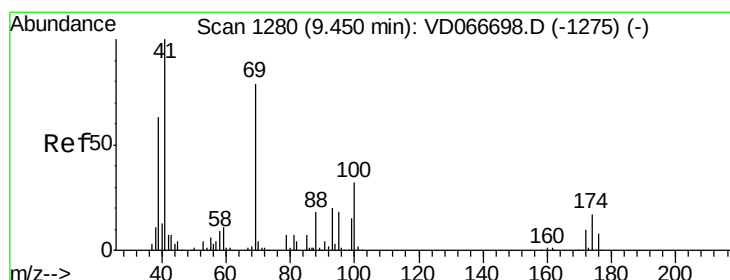
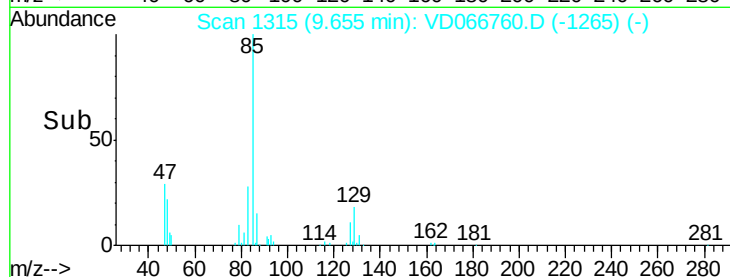
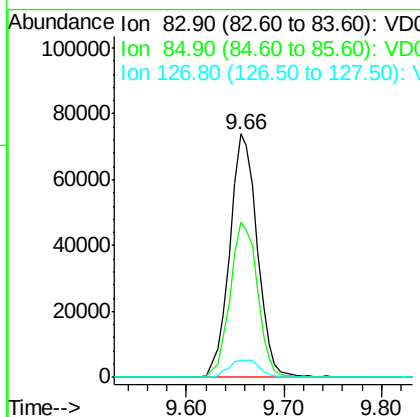
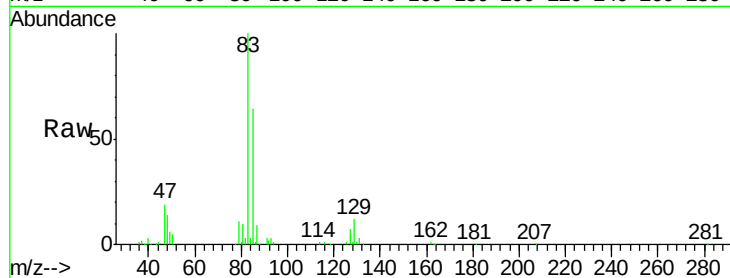
ClientSampleId :

VD0918SBSD01

Tot Ion:	83	Resp:	144654
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.1	75.1
127	7.0	6.9	10.3

Manual Integrations
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9/21/2020 11:48:55 AM



#48

Methyl methacrylate

Concen: 20.418 ug/l

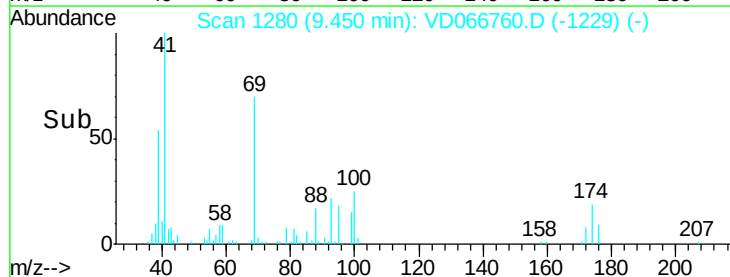
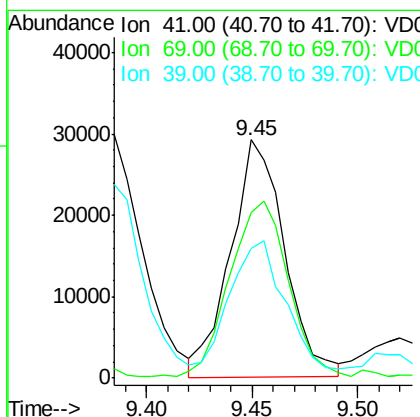
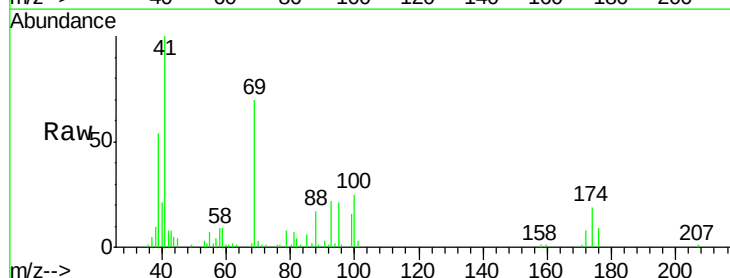
RT: 9.45 min Scan# 1280

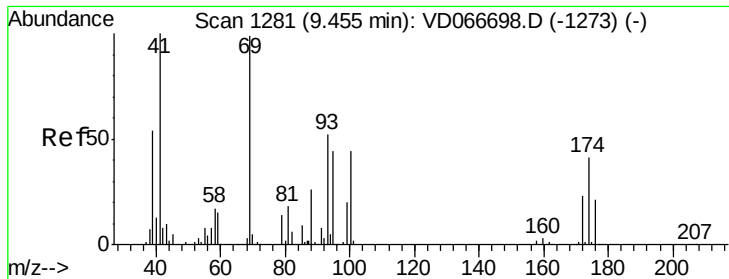
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	41	Resp:	51705
Ion	Ratio	Lower	Upper
41	100		
69	82.1	62.4	93.6
39	54.4	44.8	67.2





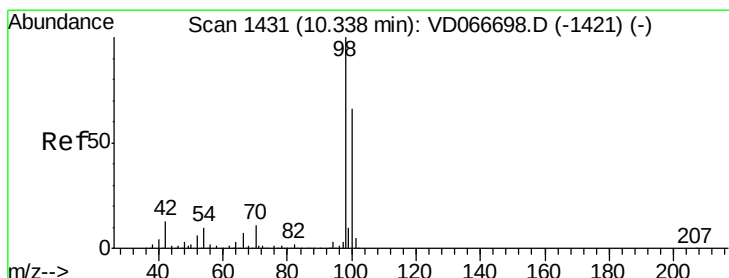
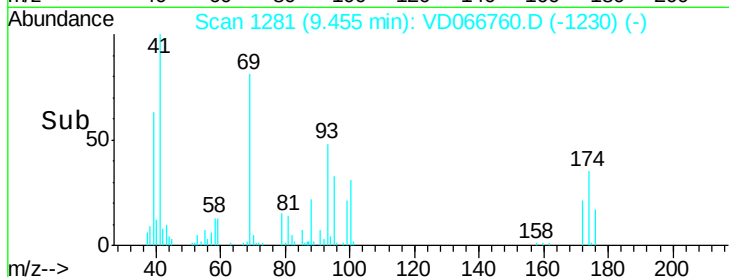
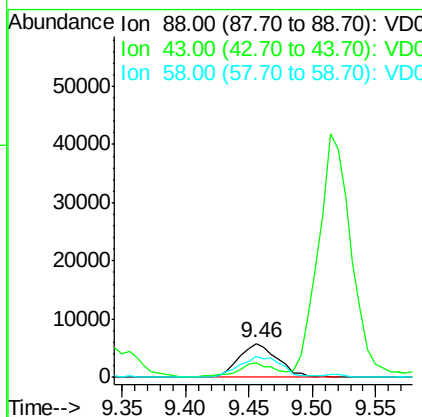
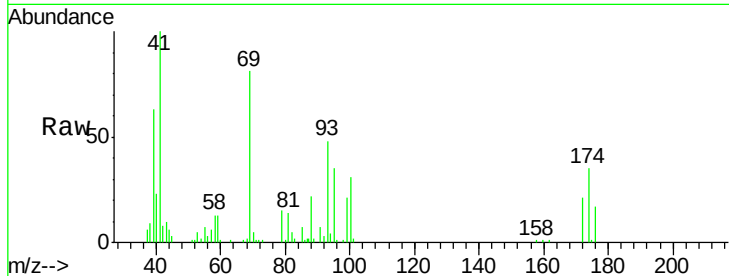
#49
1,4-Dioxane
Concen: 450.077 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.6	29.3	43.9	
58	67.8	51.4	77.2	

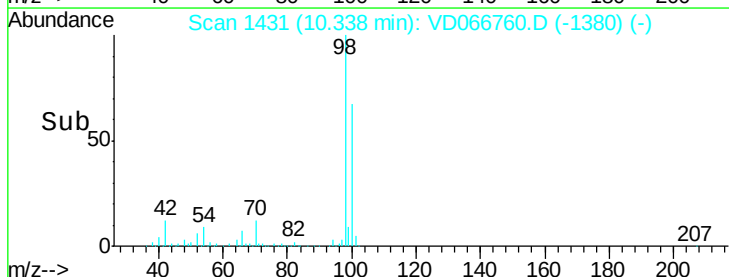
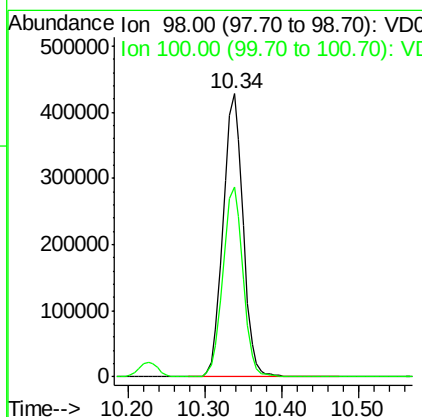
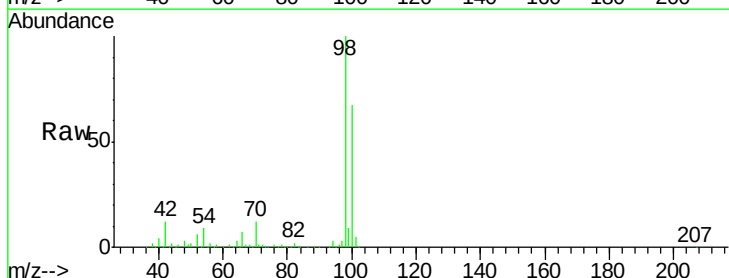
Manual Integrations
APPROVED

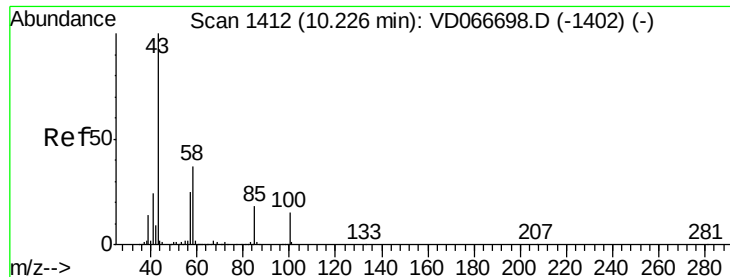
MMDadoda
9/21/2020 11:48:55 AM



#50
Toluene-d8
Concen: 52.258 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.2	52.7	79.1	





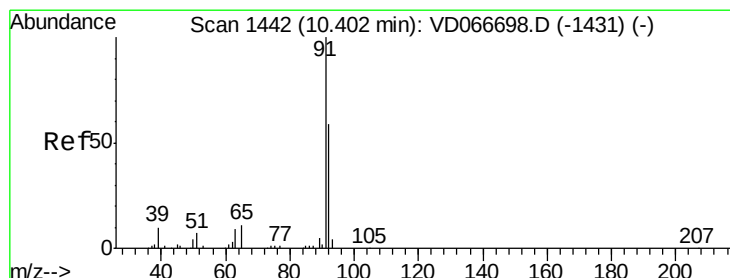
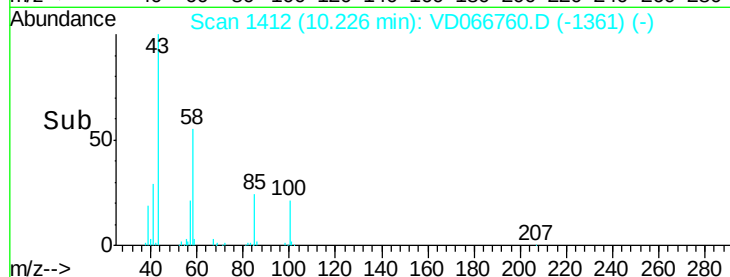
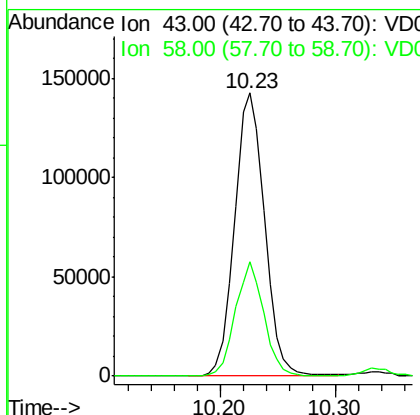
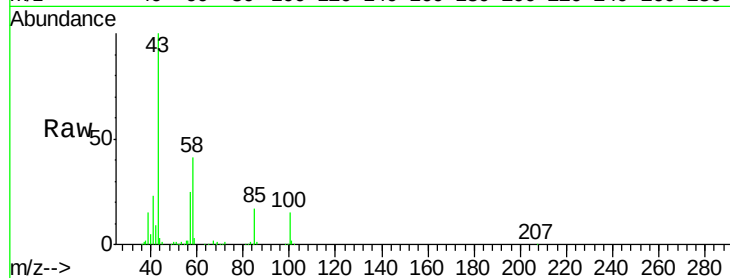
#51
 4-Methyl-2-Pentanone
 Concen: 100.435 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.4	45.6

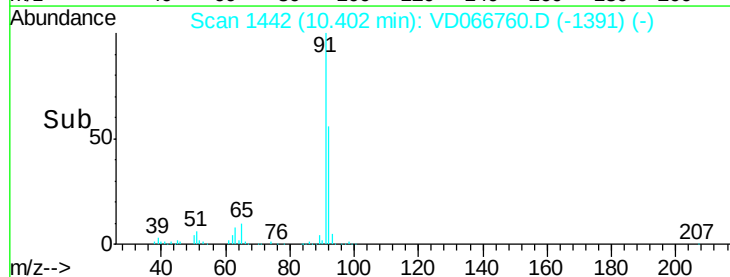
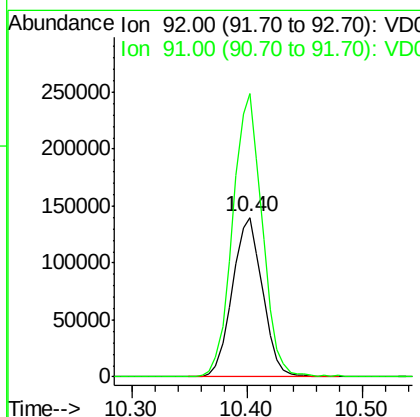
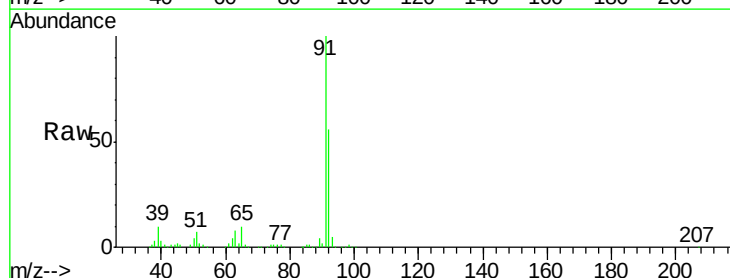
Manual Integrations
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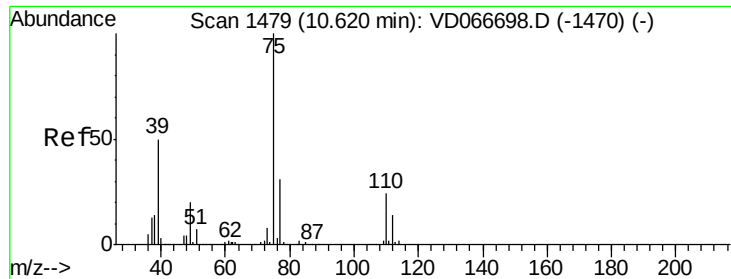
MMDadoda
 9/21/2020 11:48:55 AM



#52
 Toluene
 Concen: 20.879 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	135.8	203.8





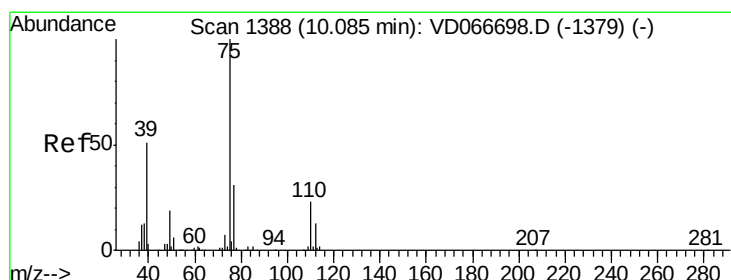
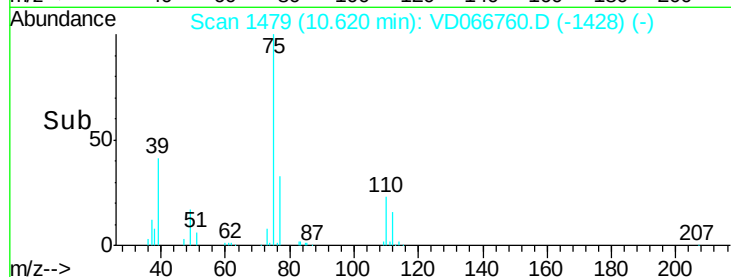
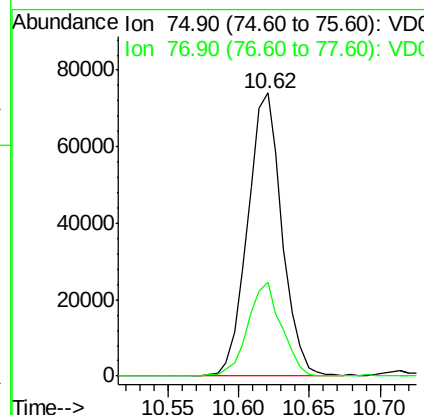
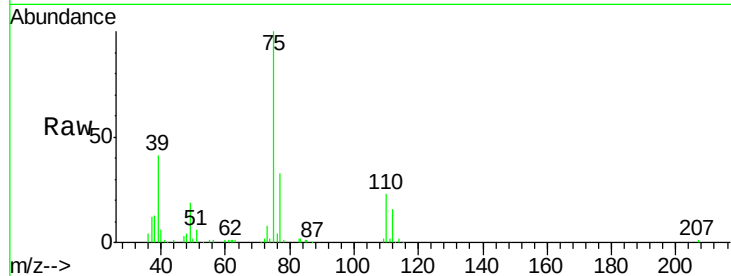
#53
t-1,3-Dichloropropene
Concen: 20.207 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.6	36.8

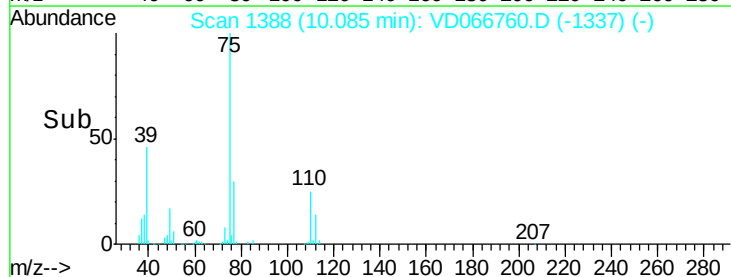
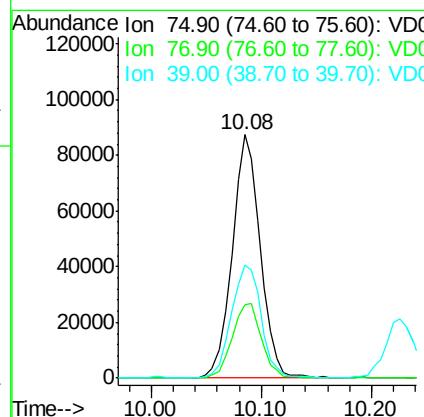
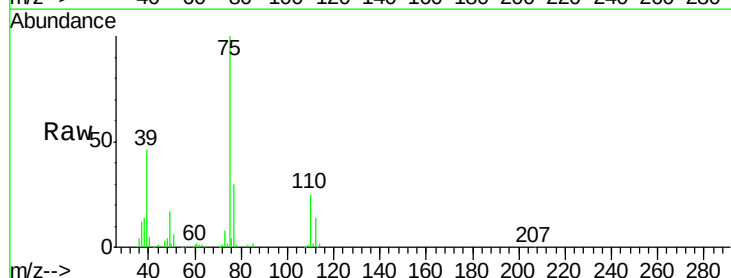
Manual Integrations
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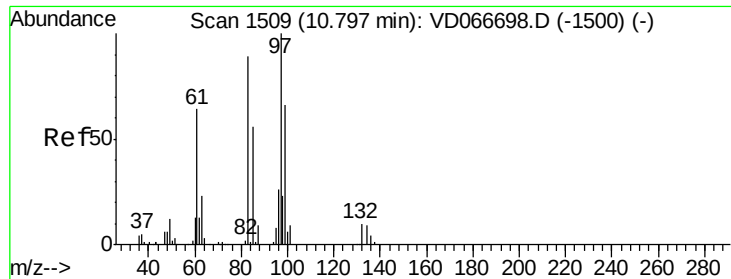
MMDadoda
9/21/2020 11:48:55 AM



#54
cis-1,3-Dichloropropene
Concen: 20.969 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6
39	46.3	40.6	61.0





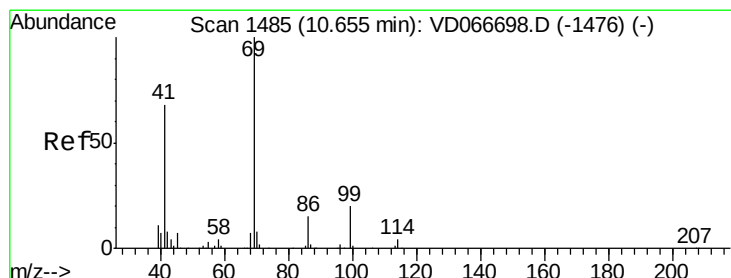
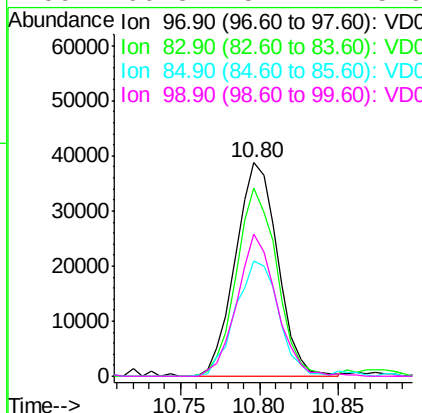
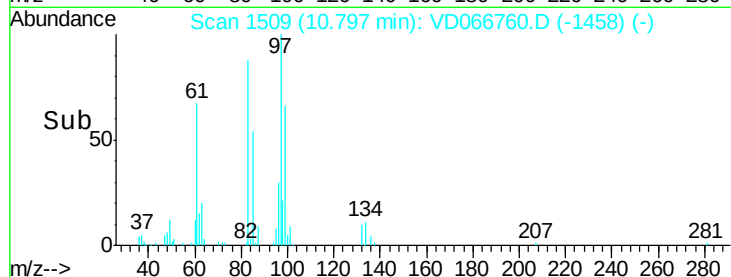
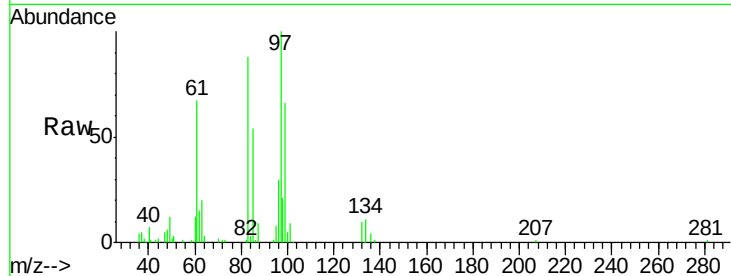
#55
 1,1,2-Trichloroethane
 Concen: 21.274 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion:	97	Resp:	72025
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.4	107.2
85	53.7	44.7	67.1
99	66.3	52.4	78.6

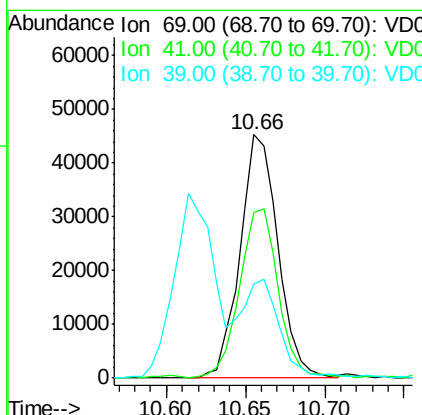
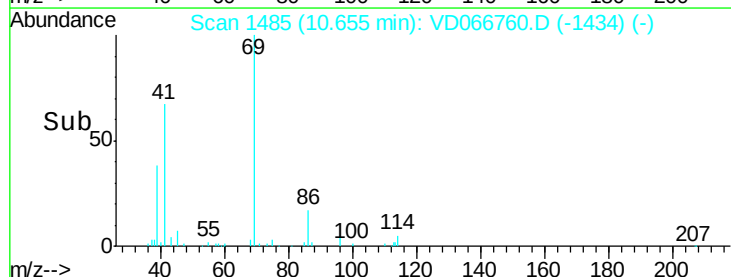
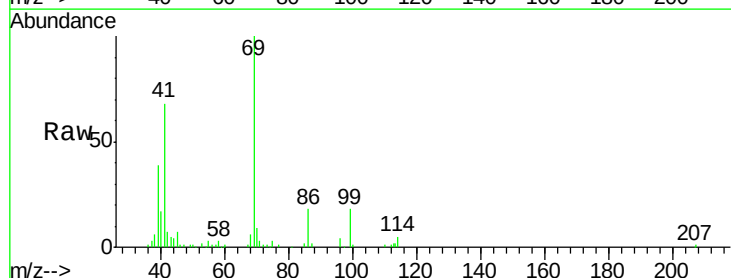
Manual Integrations
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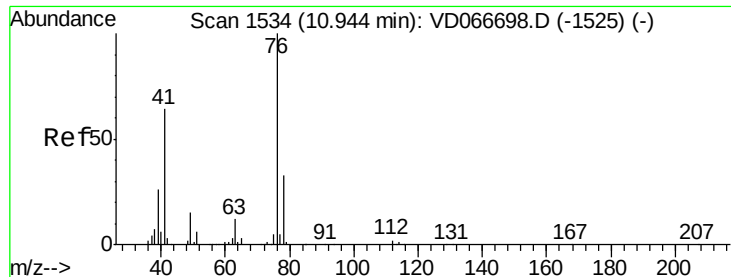
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 9/21/2020 11:48:55 AM



#56
 Ethyl methacrylate
 Concen: 19.642 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion:	69	Resp:	75465
Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.5	83.3
39	37.5	29.7	44.5





#57

1,3-Dichloropropane

Concen: 20.534 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 76 Resp: 122002

Ion Ratio Lower Upper

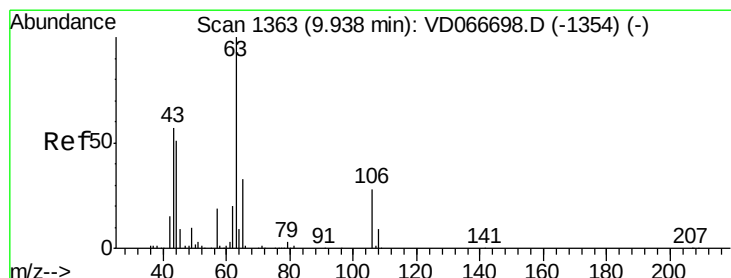
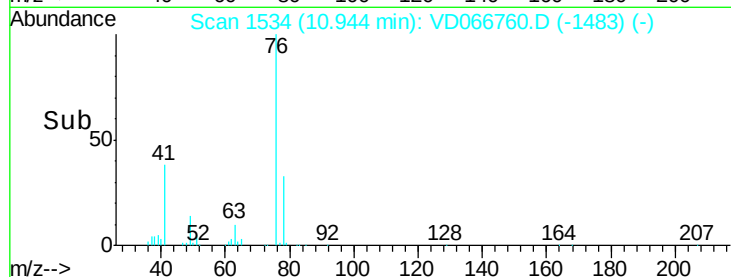
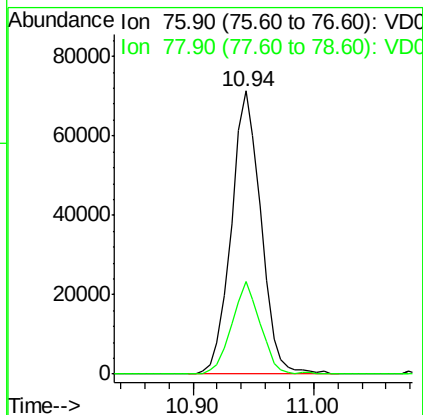
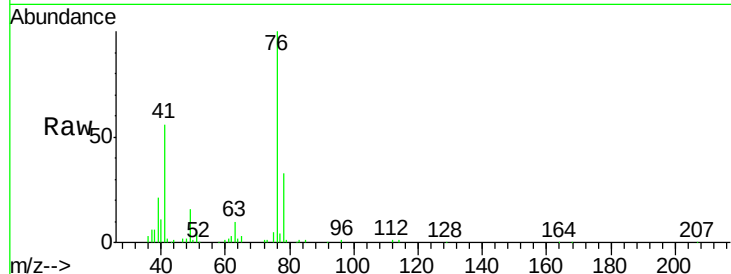
76 100

78 31.8 26.2 39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 120.144 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066760.D

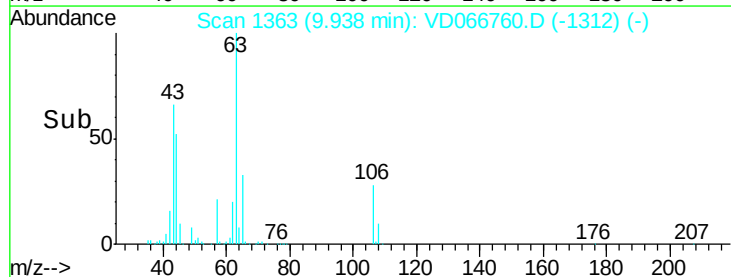
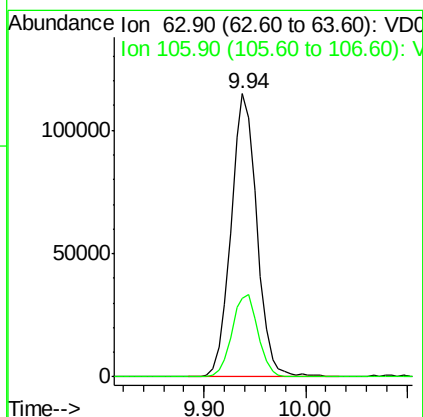
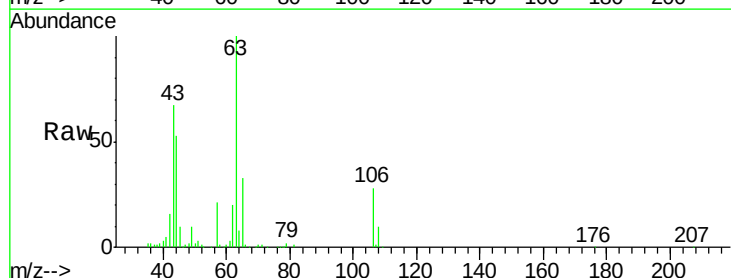
Acq: 18 Sep 2020 12:28

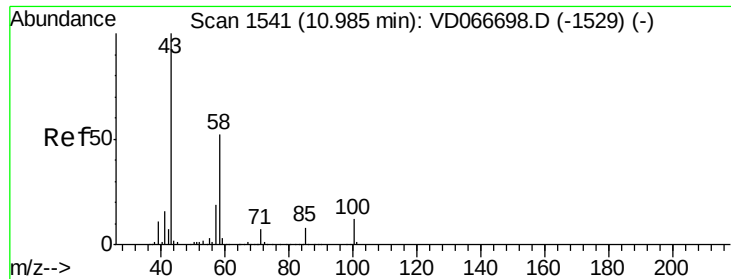
Tgt Ion: 63 Resp: 202727

Ion Ratio Lower Upper

63 100

106 29.4 22.2 33.4





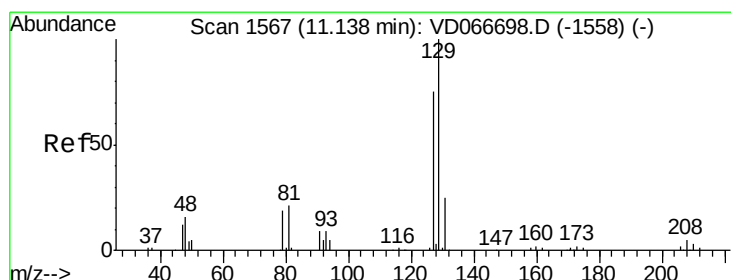
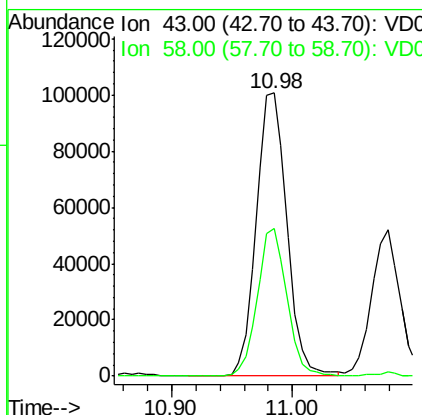
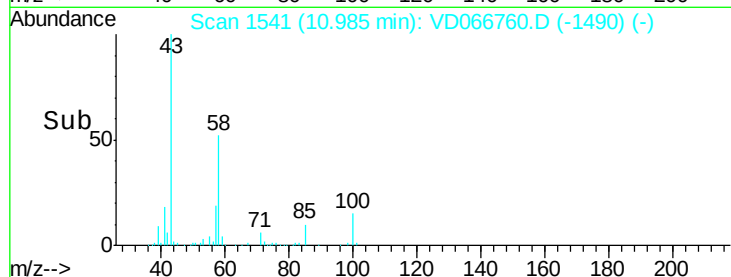
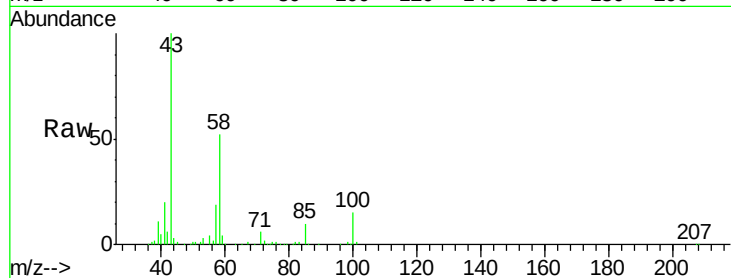
#59
2-Hexanone
Concen: 103.926 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBSD01

Tot Ion: 43 Resp: 178981
Ion Ratio Lower Upper
43 100
58 50.2 26.2 78.5

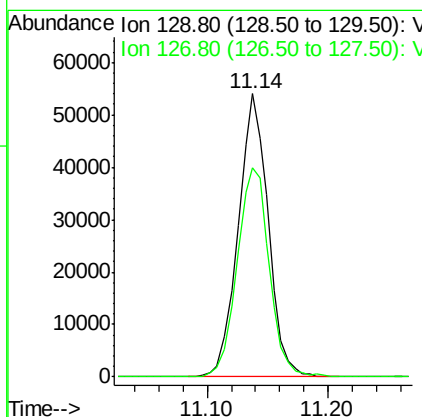
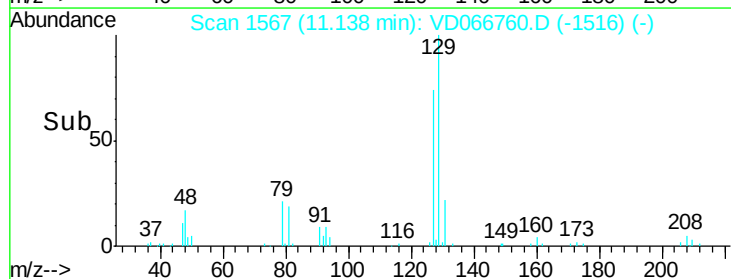
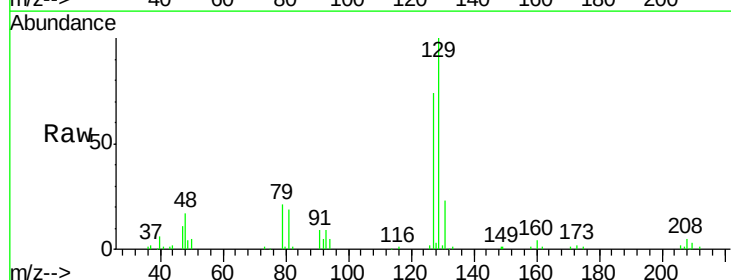
Manual Integrations
APPROVED

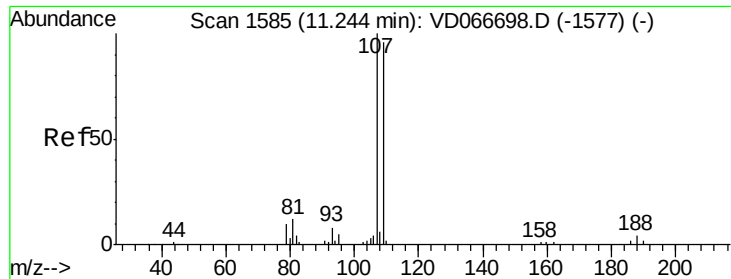
MMDadoda
9/21/2020 11:48:55 AM



#60
Dibromochloromethane
Concen: 21.112 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion: 129 Resp: 93134
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3





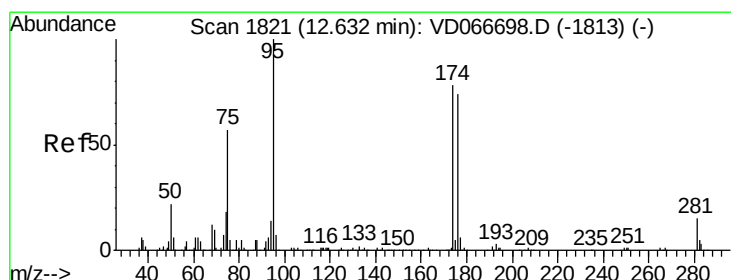
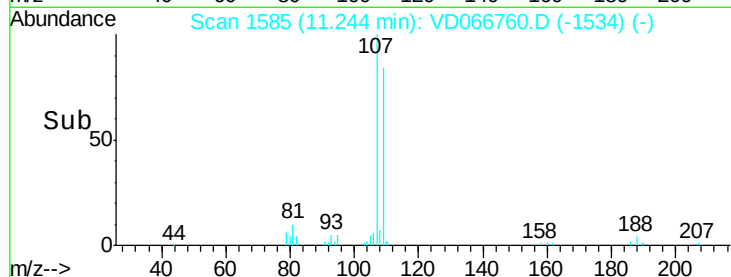
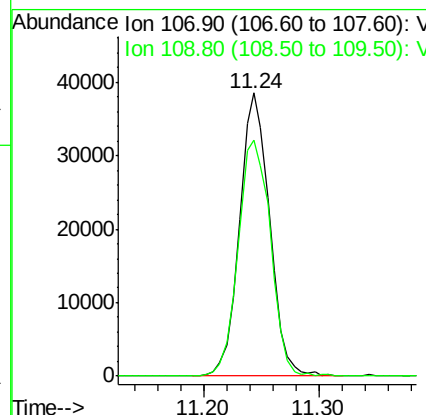
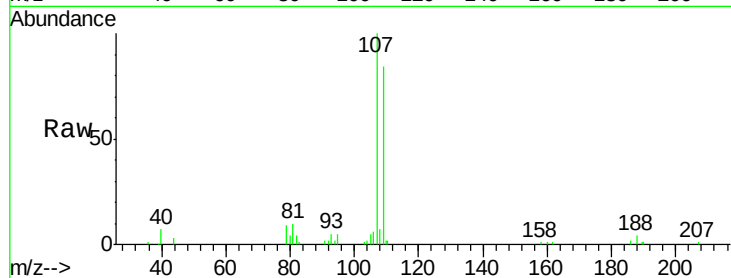
#61
 1,2-Dibromoethane
 Concen: 21.290 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.0	75.6	113.4

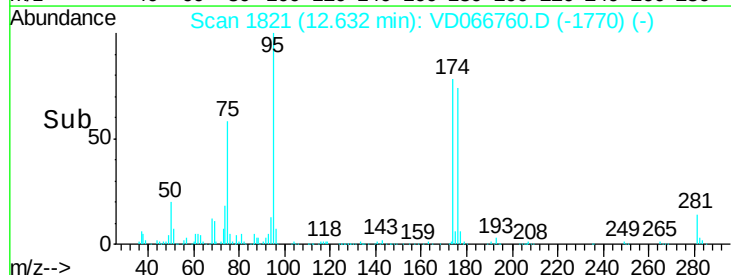
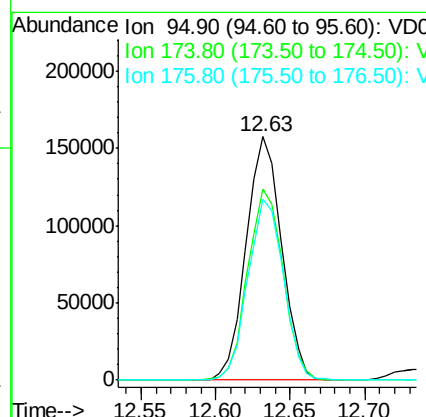
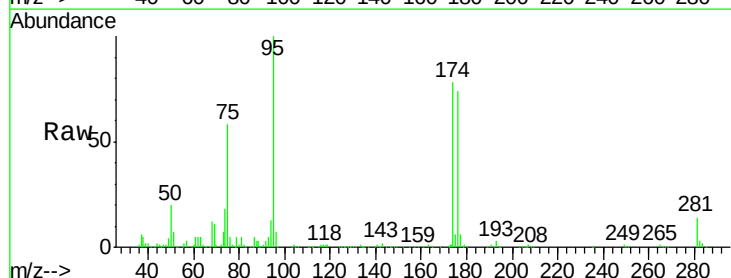
Manual Integrations
 APPROVED

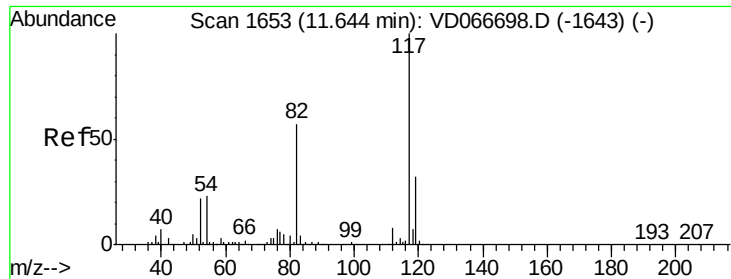
MMDadoda
 9/21/2020 11:48:55 AM



#62
 4-Bromofluorobenzene
 Concen: 50.644 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	156.6
176	74.2	0.0	150.2





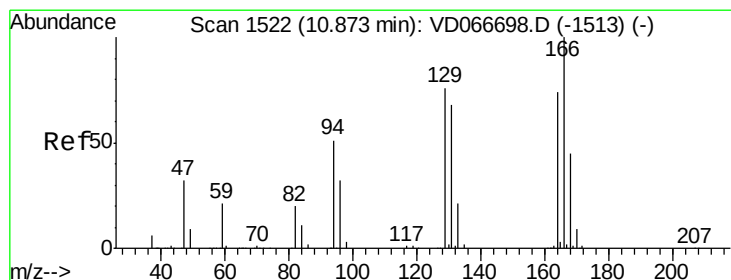
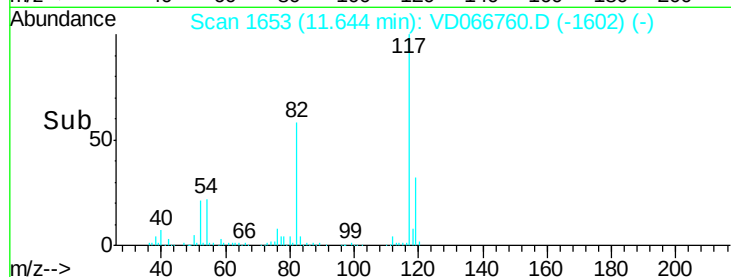
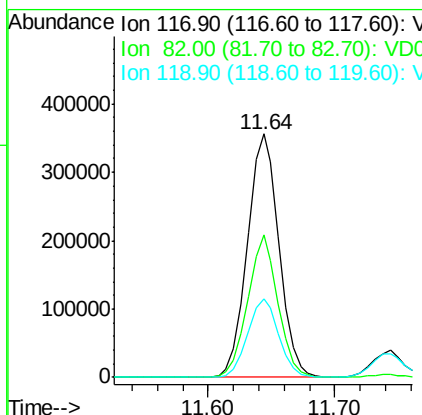
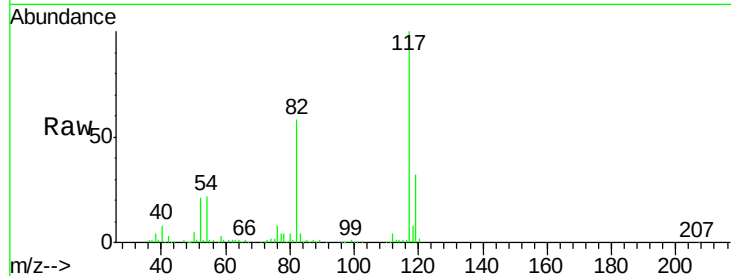
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	616803		
82	58.4		45.4	68.0
119	32.3		25.8	38.6

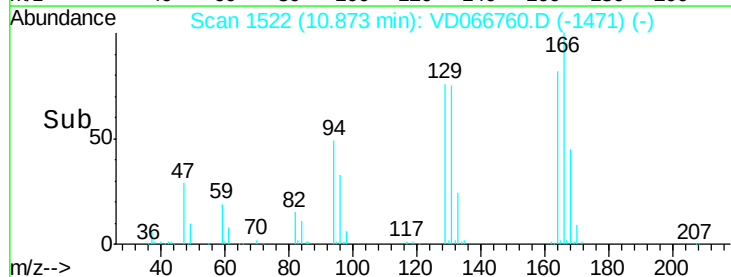
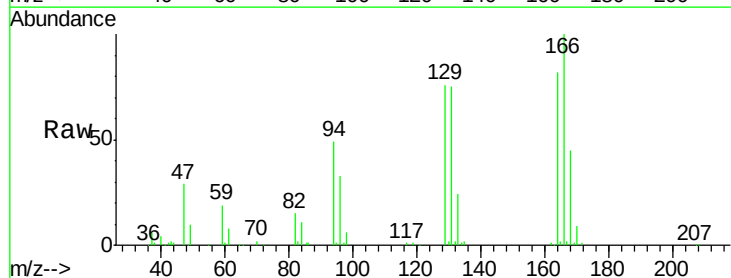
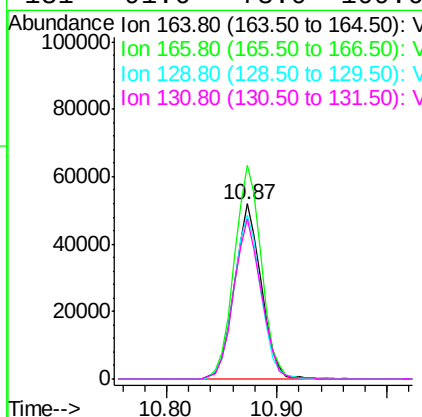
Manual Integrations
APPROVED

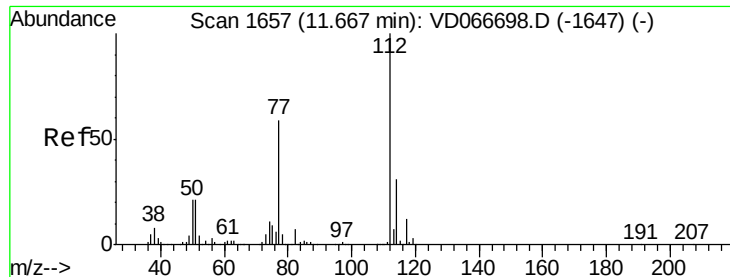
MMDadoda
9/21/2020 11:48:55 AM



#64
Tetrachloroethene
Concen: 21.093 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88812		
166	122.1		107.5	161.3
129	93.4		81.4	122.0
131	91.6		73.0	109.6





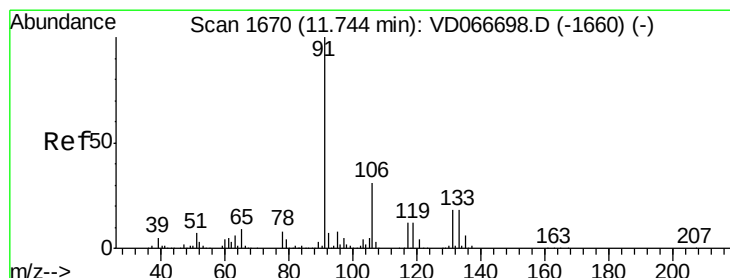
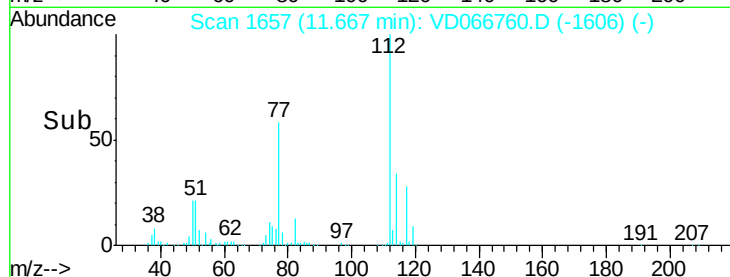
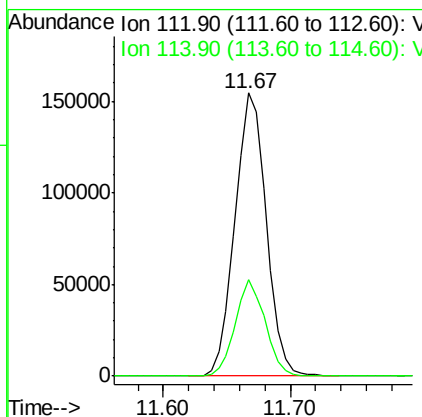
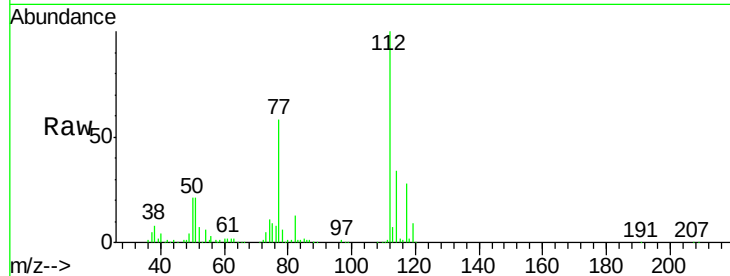
#65
Chlorobenzene
Concen: 20.726 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.0	37.6

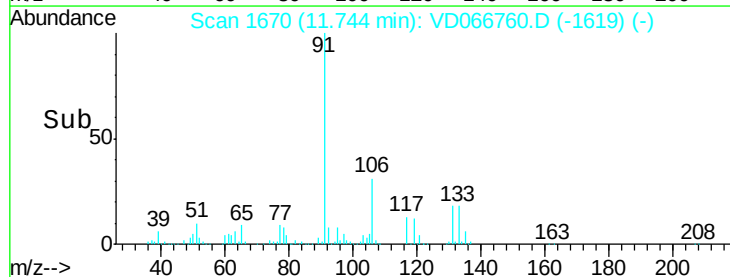
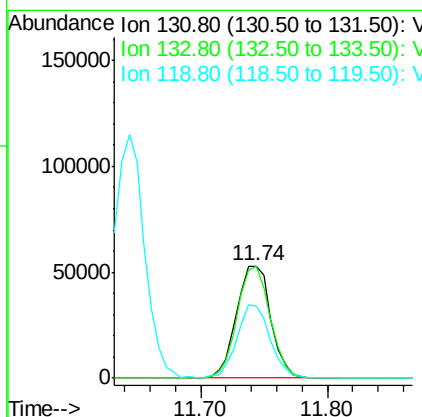
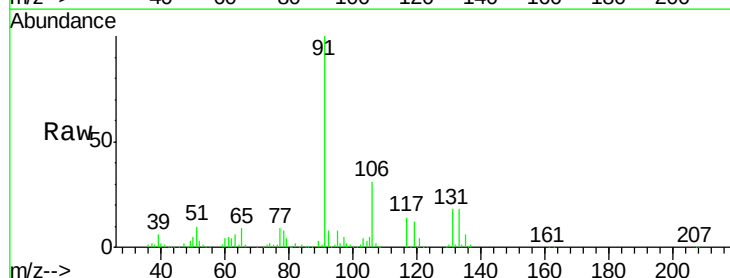
Manual Integrations
APPROVED

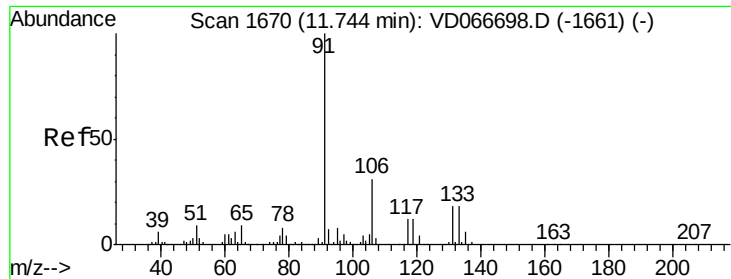
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.185 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.3
119	63.0	33.6	100.8





#67

Ethyl Benzene

Concen: 20.531 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 91 Resp: 474911

Ion Ratio Lower Upper

91 100

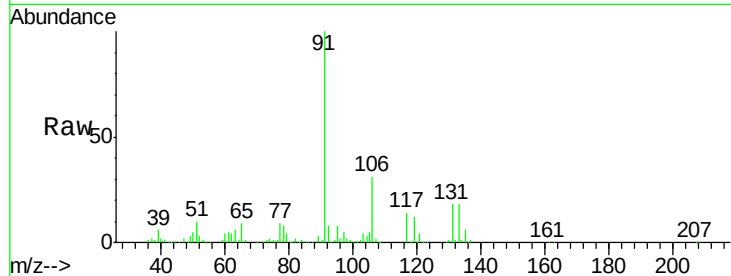
106 31.1 25.1 37.7

Manual Integrations

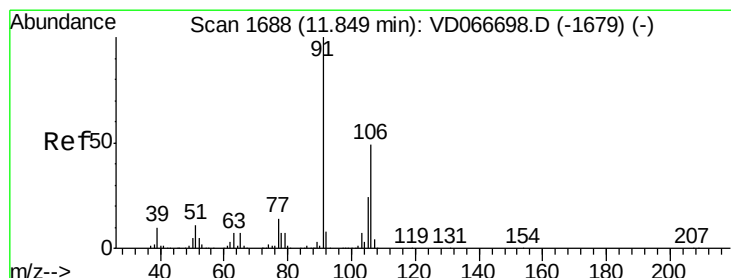
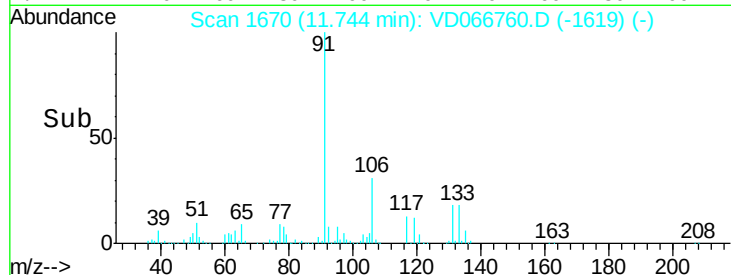
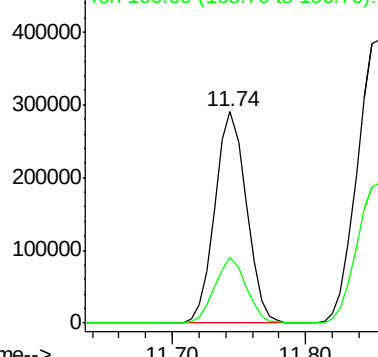
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Abundance Ion 91.00 (90.70 to 91.70): VD066760.D (-1661) (-)



#68

m/p-Xylenes

Concen: 42.630 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066760.D

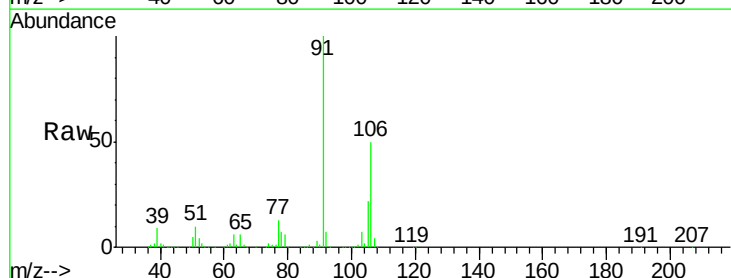
Acq: 18 Sep 2020 12:28

Tgt Ion: 106 Resp: 372692

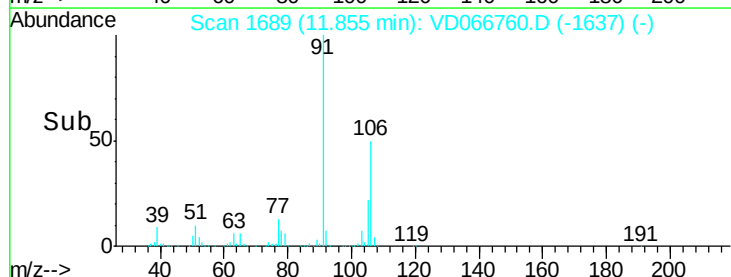
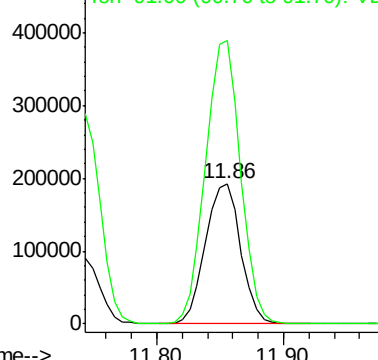
Ion Ratio Lower Upper

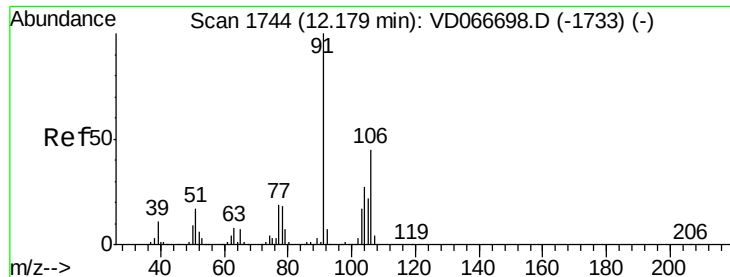
106 100

91 200.0 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): VD066760.D (-1637) (-)





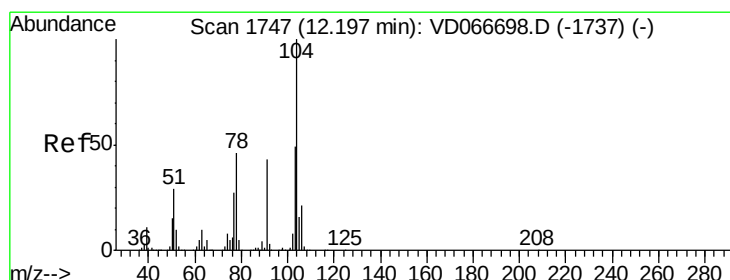
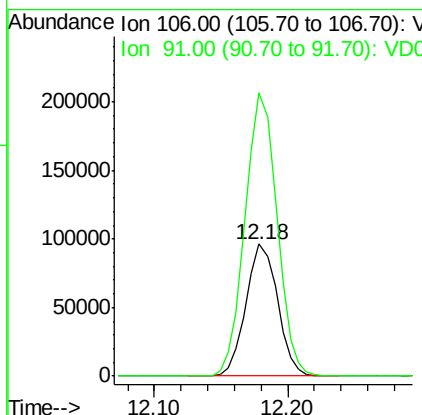
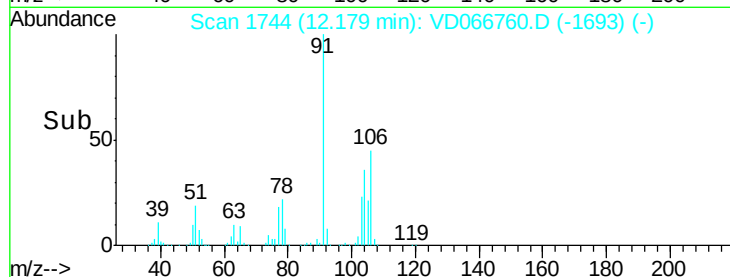
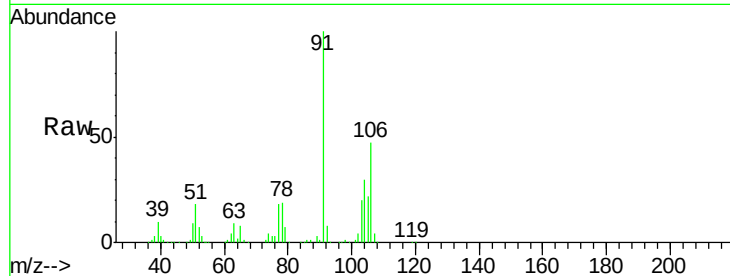
#69
o-Xylene
Concen: 20.471 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion:106 Resp: 158156
Ion Ratio Lower Upper
106 100
91 217.2 109.4 328.2

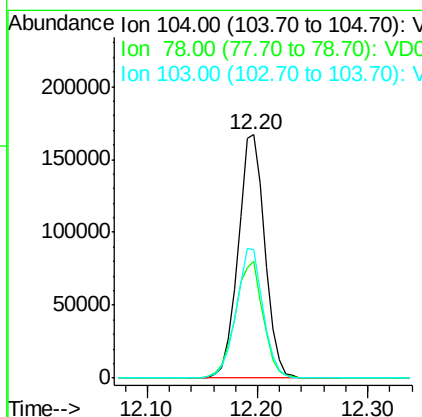
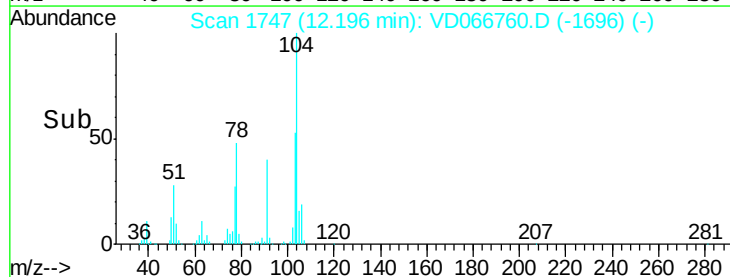
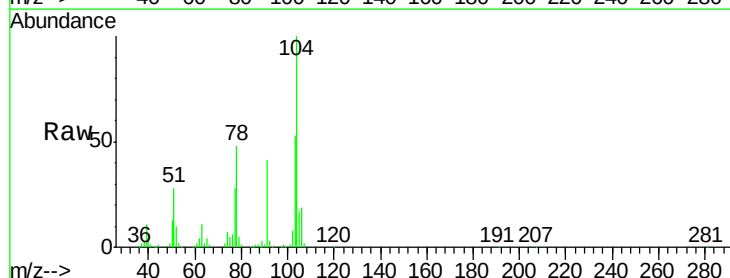
Manual Integrations
APPROVED

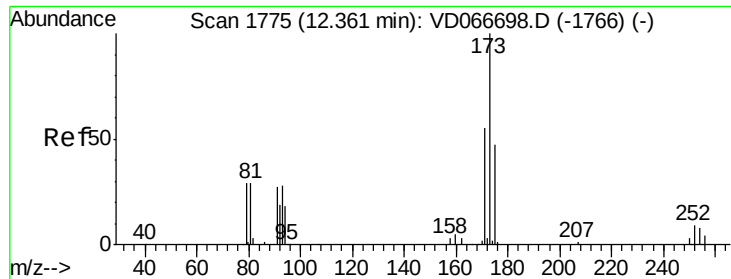
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#70
Styrene
Concen: 20.881 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion:104 Resp: 283935
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 53.8 42.5 63.7





#71

Bromoform

Concen: 20.902 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion:173 Resp: 49426

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

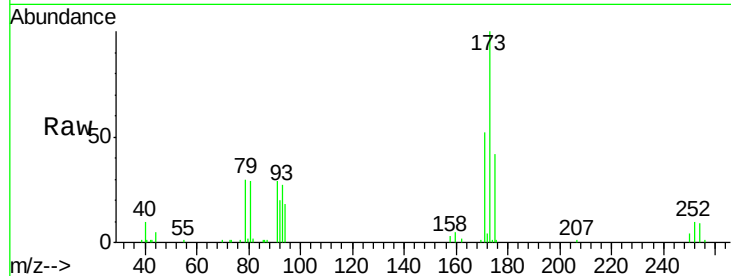
254 0.0 0.1 0.1#

Manual Integrations

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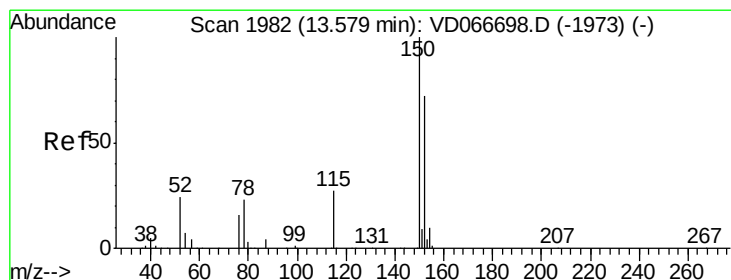
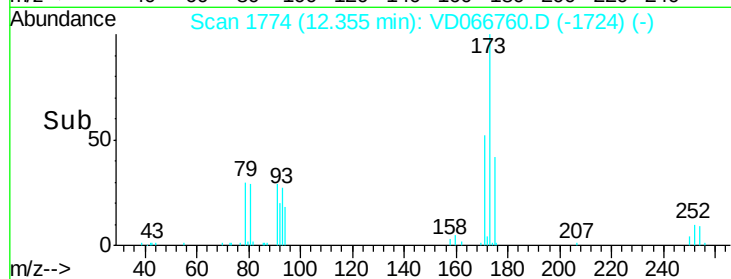
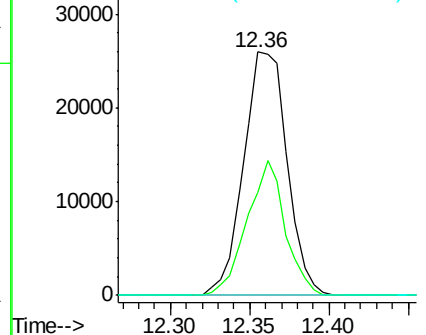
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

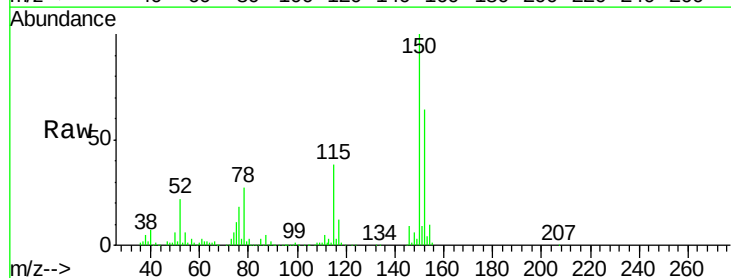
Tgt Ion:152 Resp: 286225

Ion Ratio Lower Upper

152 100

115 61.9 30.5 91.5

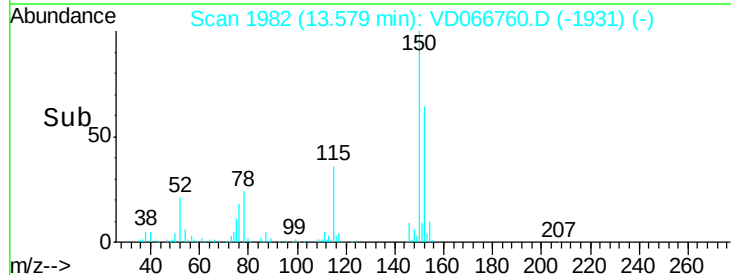
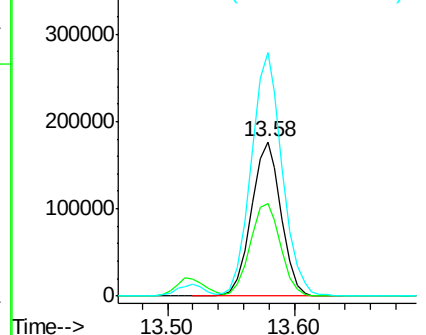
150 164.8 0.0 344.6

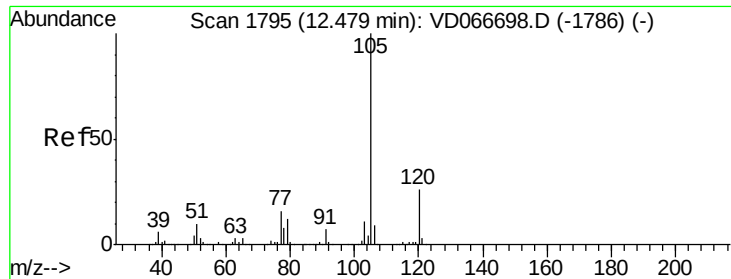


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.754 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 105 Resp: 443465

Ion Ratio Lower Upper

105 100

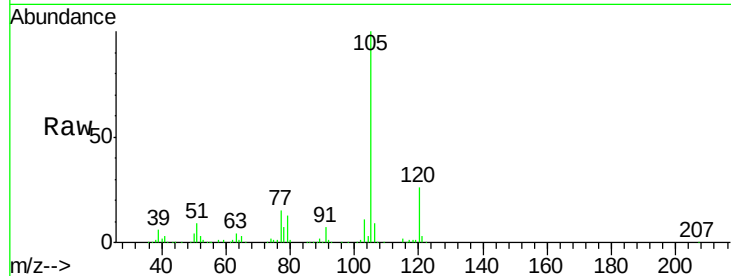
120 25.9 13.1 39.1

Manual Integrations

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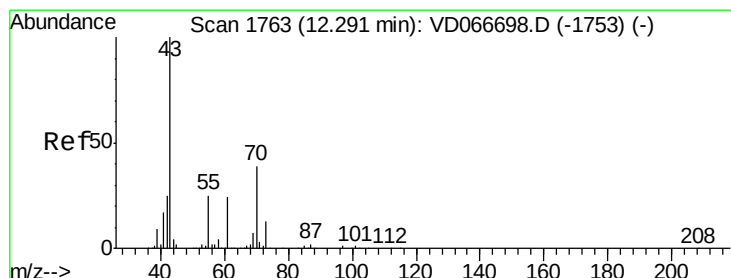
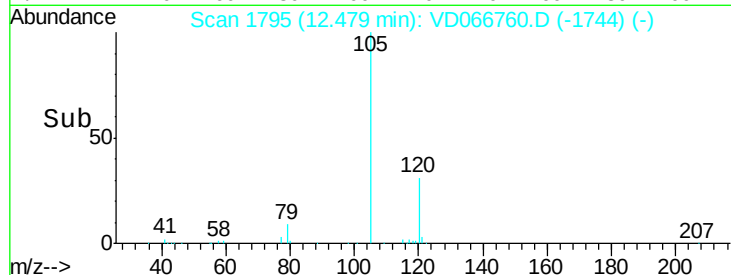
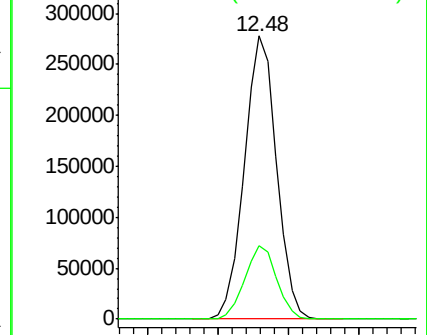
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.708 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion: 43 Resp: 88831

Ion Ratio Lower Upper

43 100

70 41.6 33.0 49.4

55 28.0 20.6 30.8

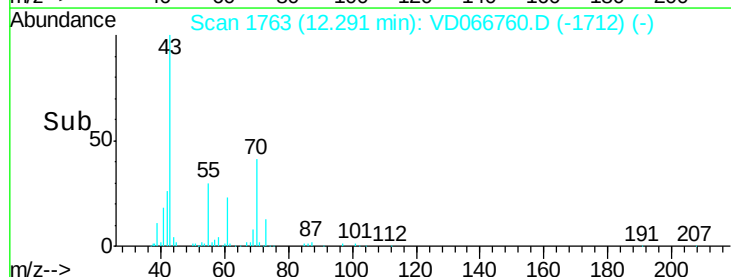
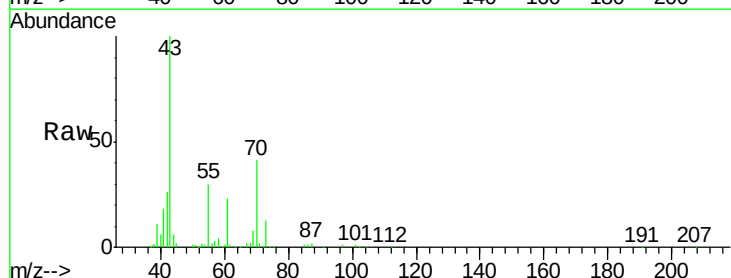
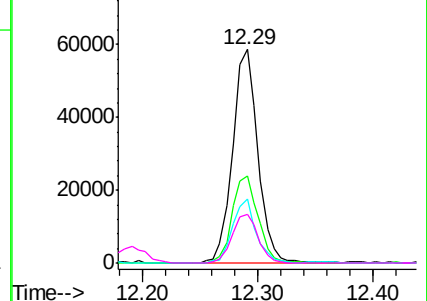
61 23.4 19.1 28.7

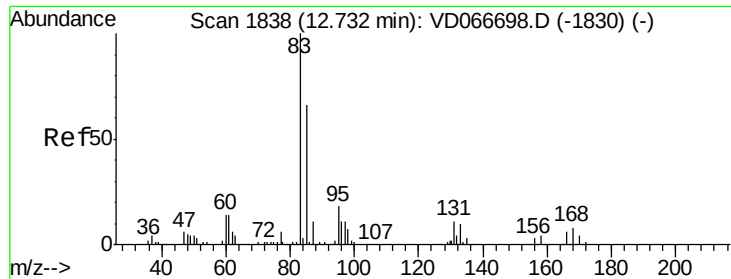
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.634 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

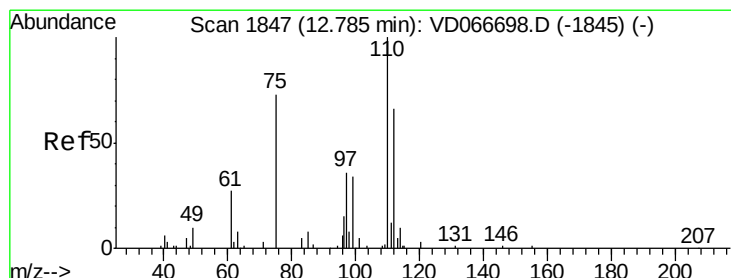
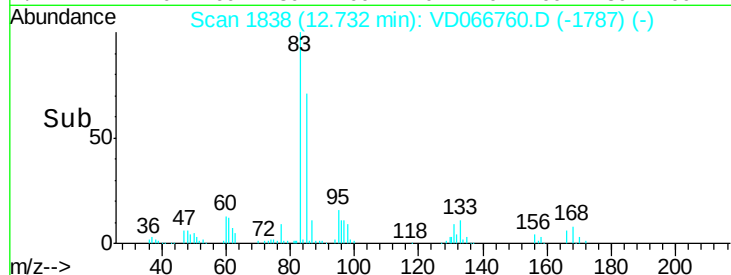
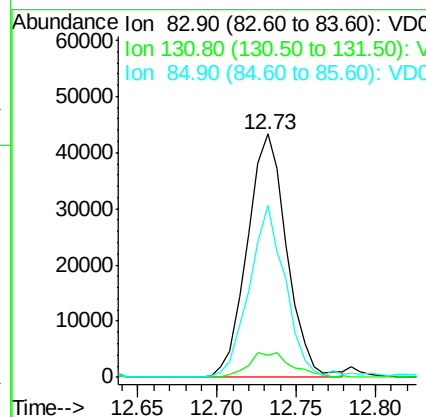
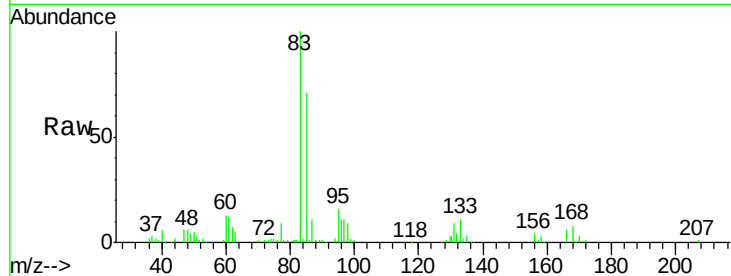
ClientSampleId :

VD0918SBS01

Tot Ion:	83	Resp:	74918
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	64.2	33.3	99.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.351 ug/l m

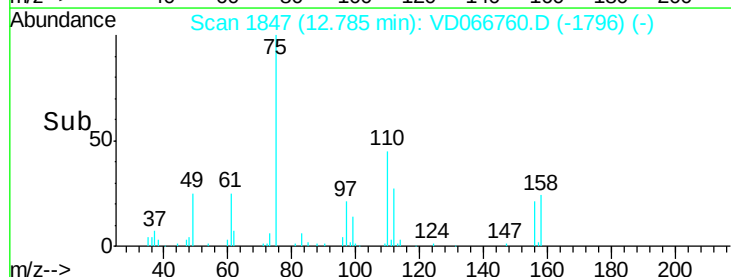
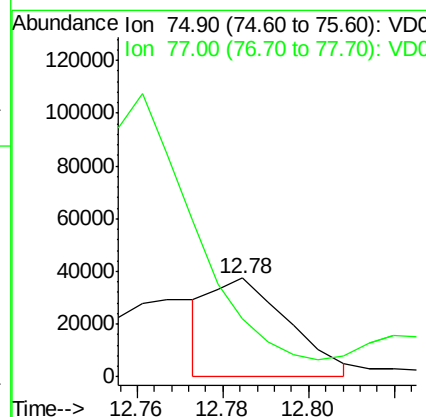
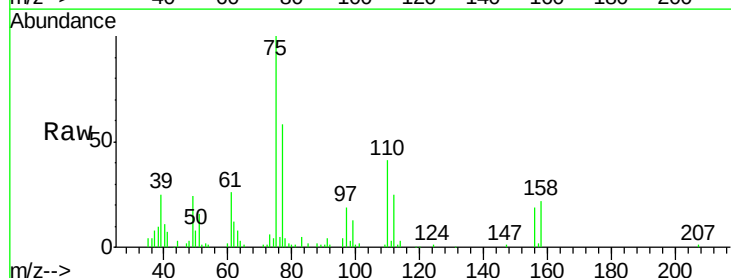
RT: 12.78 min Scan# 1847

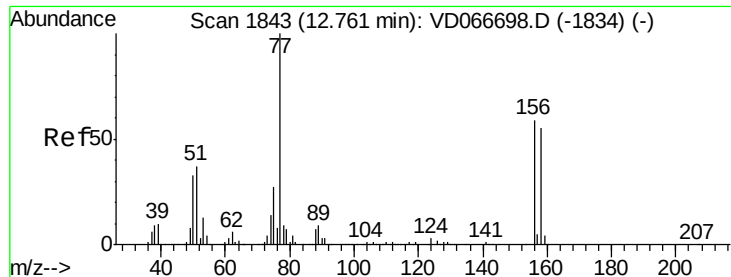
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	75	Resp:	47409
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.826 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

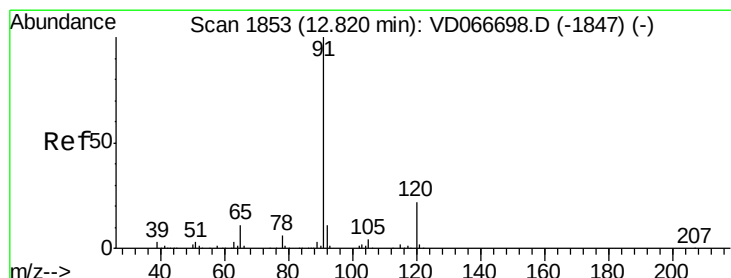
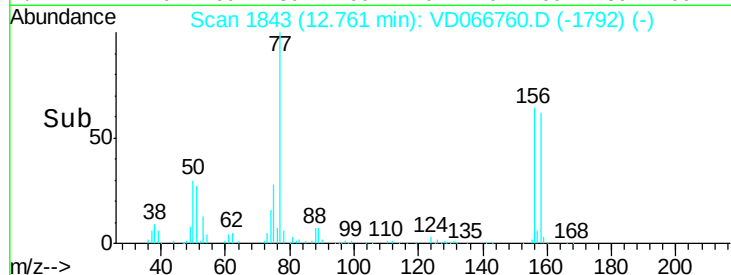
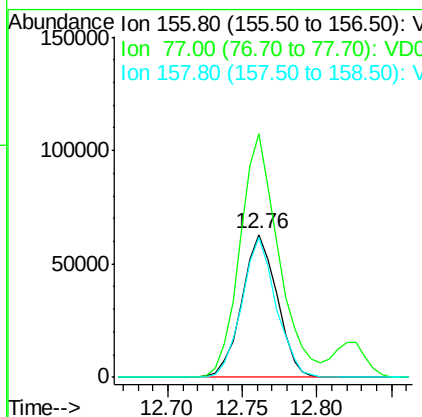
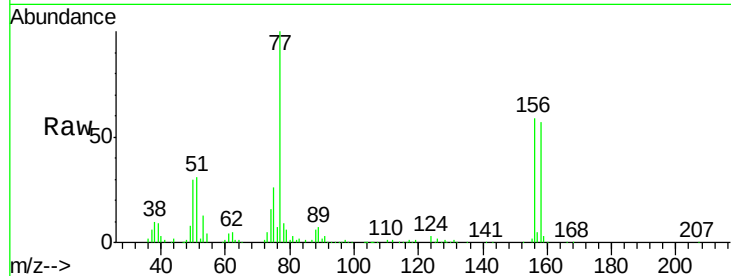
ClientSampleId :

VD0918SBS01

Tot Ion:	156	Resp:	102565
Ion Ratio	Lower	Upper	
156	100		
77	188.0	95.8	287.3
158	95.5	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.949 ug/l

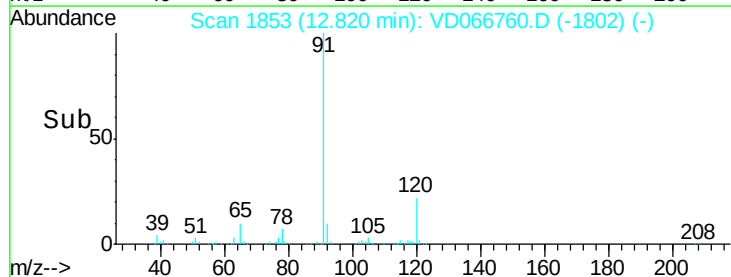
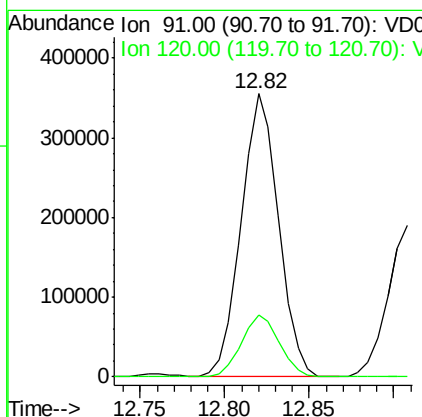
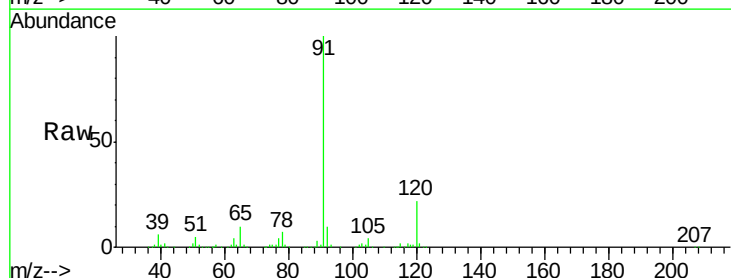
RT: 12.82 min Scan# 1853

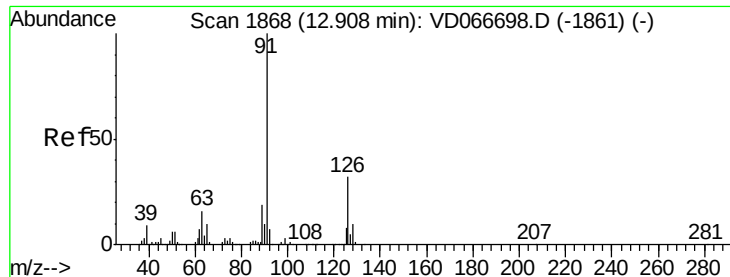
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	91	Resp:	545674
Ion Ratio	Lower	Upper	
91	100		
120	22.3	10.9	32.9





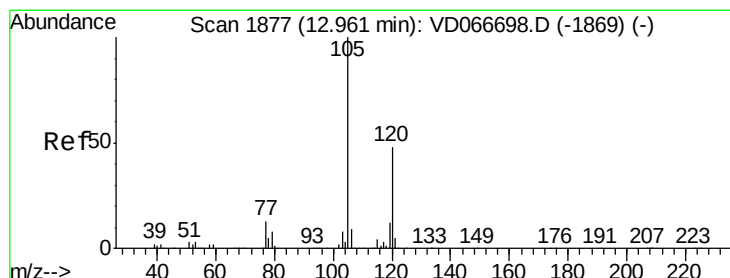
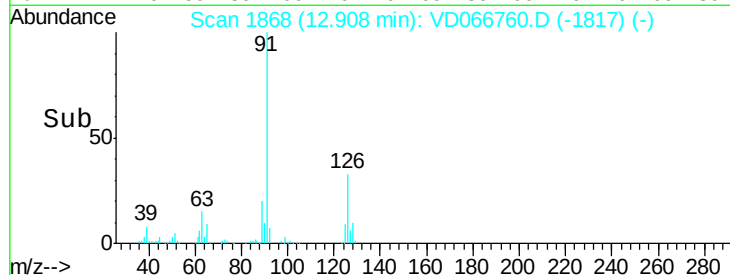
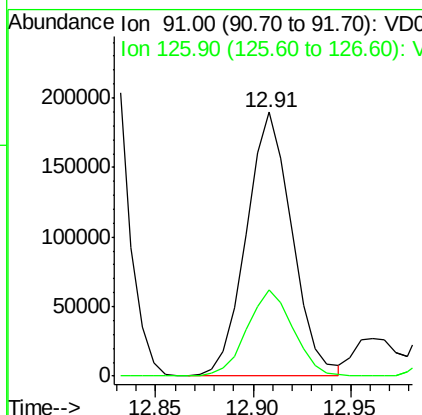
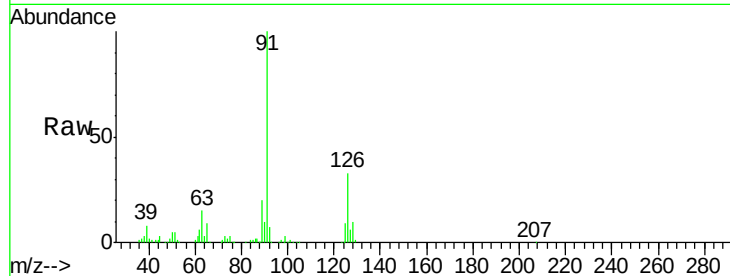
#79
2-Chlorotoluene
Concen: 20.869 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6

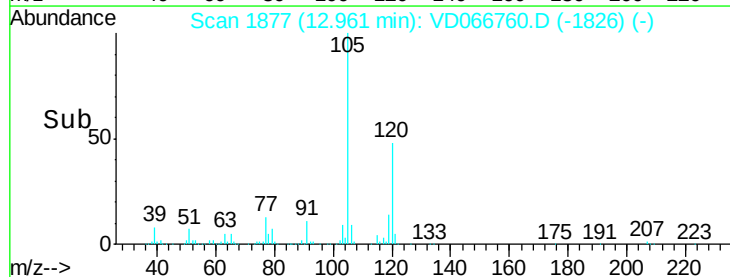
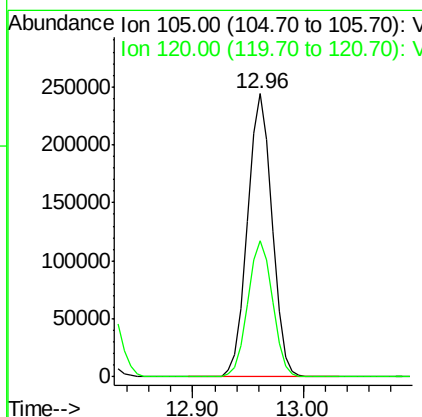
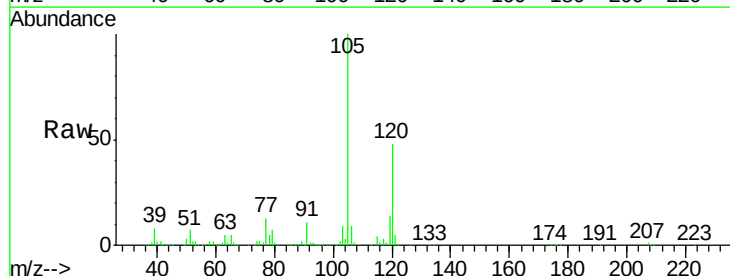
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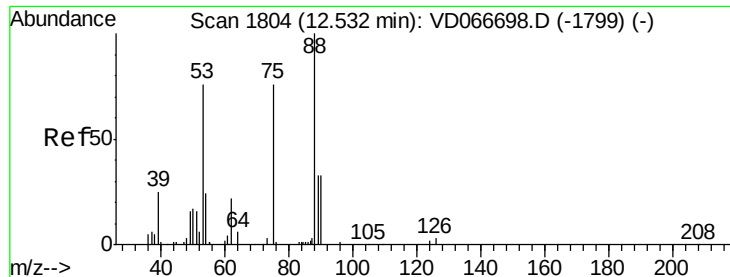
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.206 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.289 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

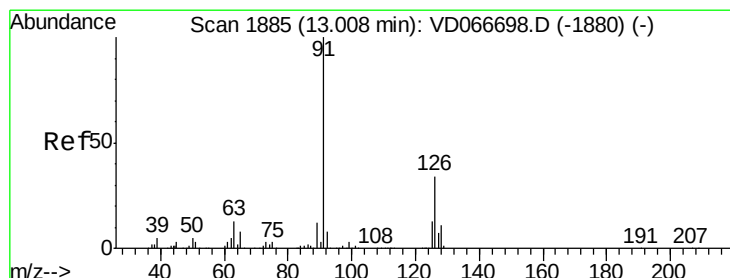
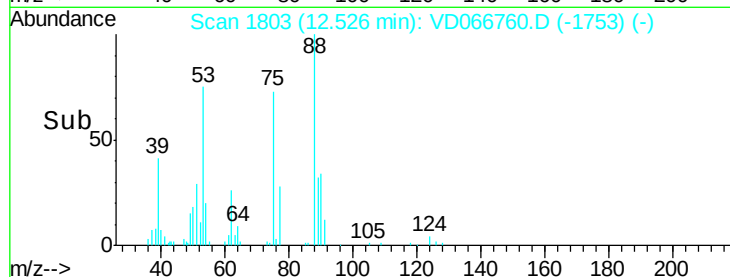
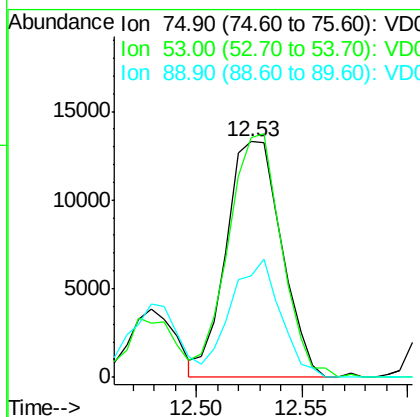
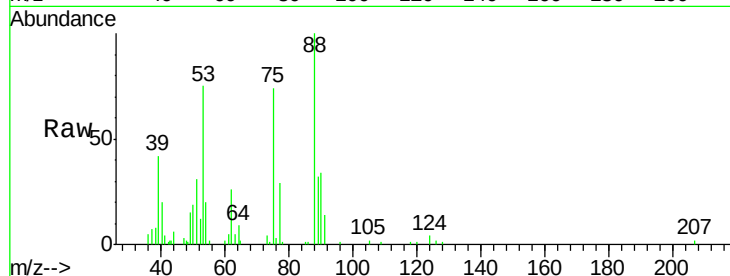
ClientSampleId :

VD0918SBS01

Tot Ion:	75	Resp:	24167
Ion	Ratio	Lower	Upper
75	100		
53	99.2	82.2	123.4
89	44.7	39.6	59.4

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#82

4-Chlorotoluene

Concen: 20.759 ug/l

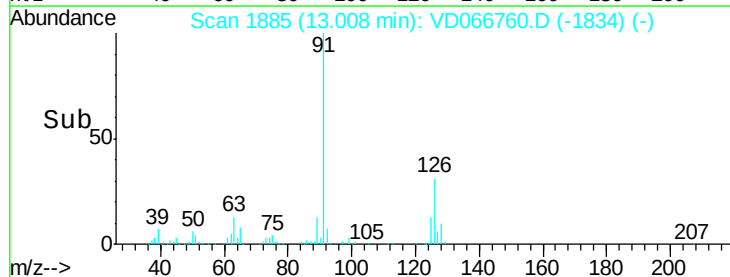
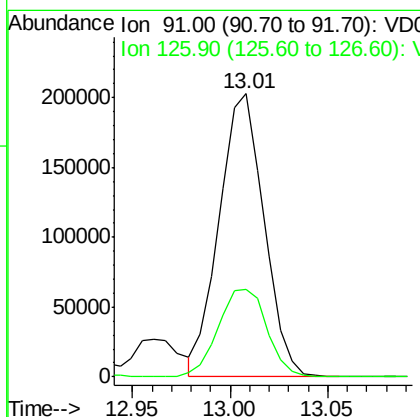
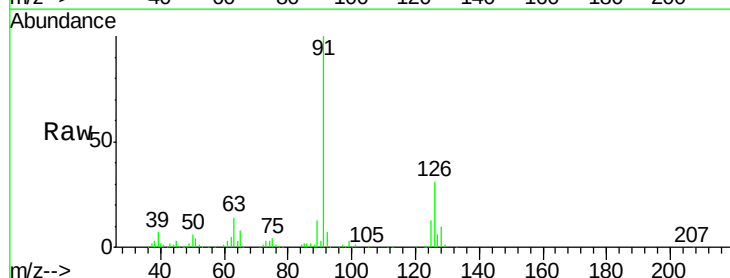
RT: 13.01 min Scan# 1885

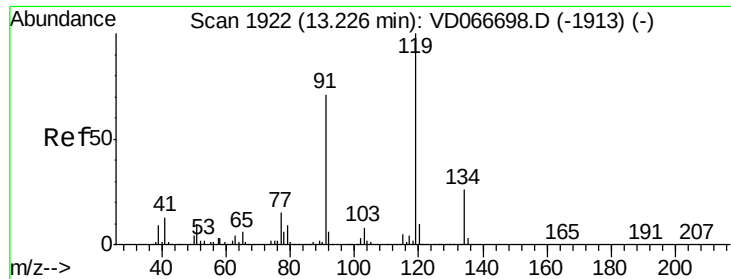
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	91	Resp:	323280
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4





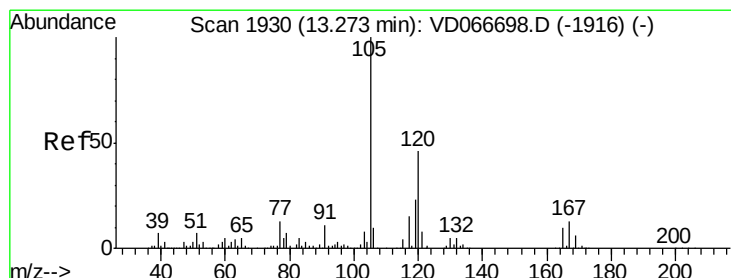
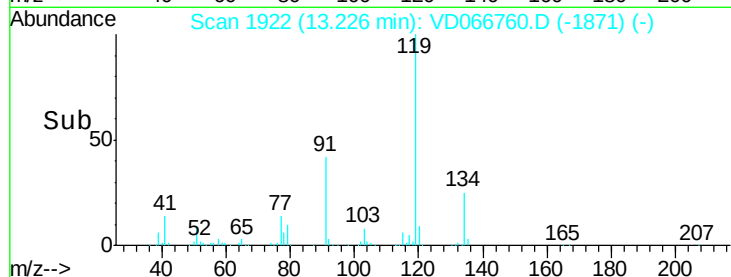
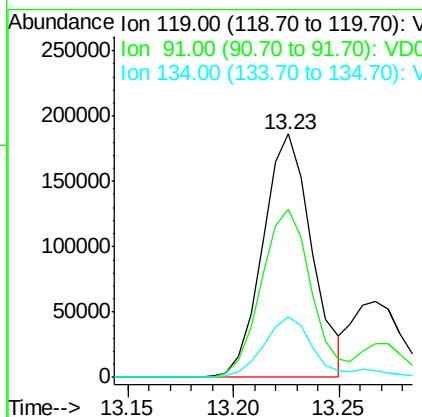
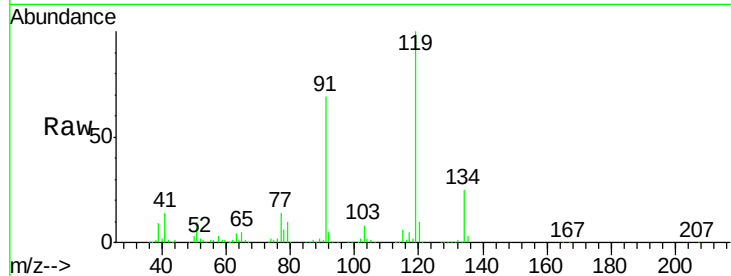
#83
 tert-Butylbenzene
 Concen: 20.268 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301802		
91	70.9		35.0	105.1
134	24.4		13.6	40.8

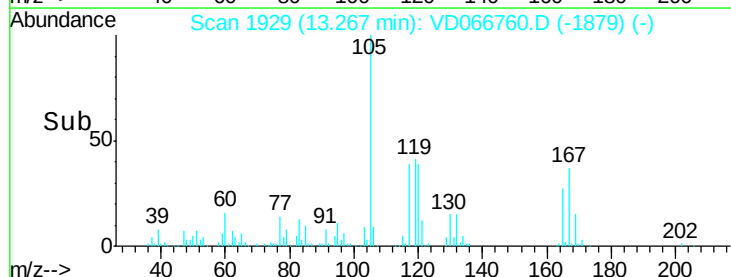
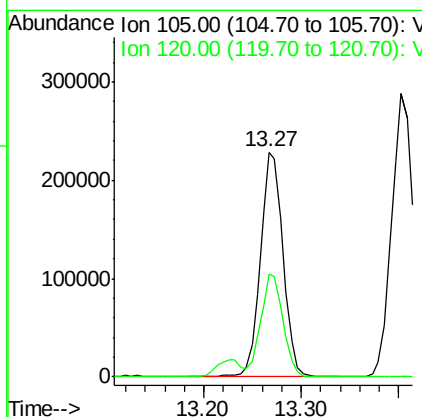
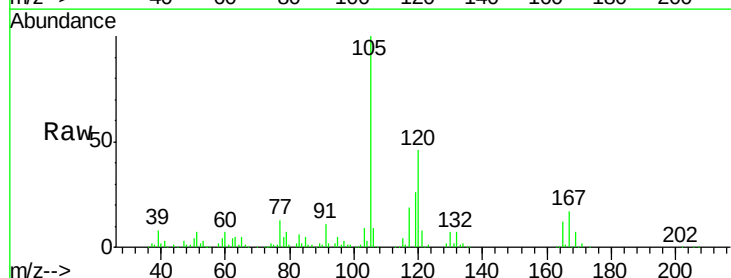
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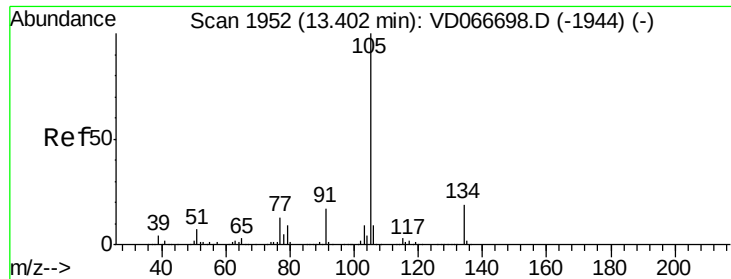
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.678 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373356		
120	44.7		22.4	67.2





#85

sec-Butylbenzene

Concen: 20.889 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion:105 Resp: 445926

Ion Ratio Lower Upper

105 100

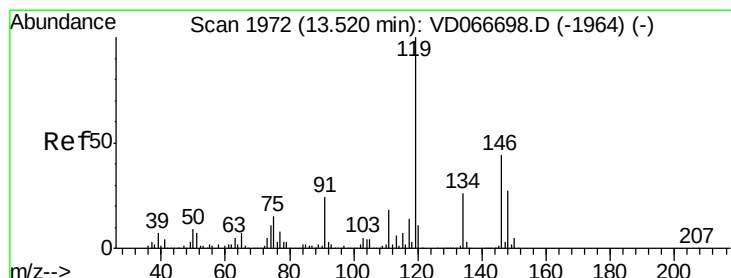
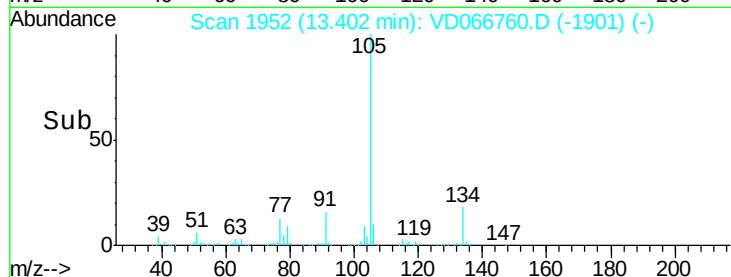
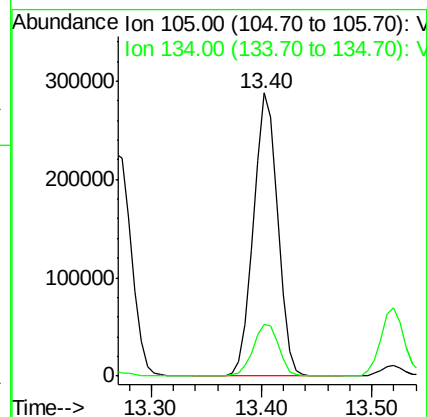
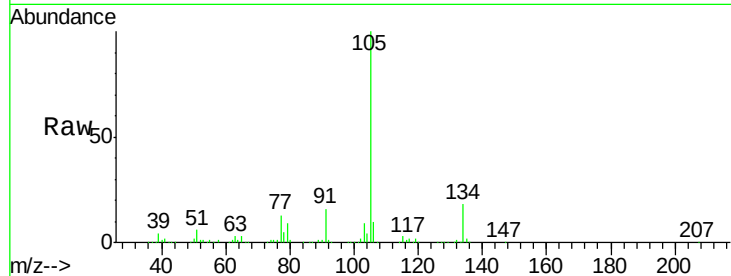
134 19.2 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 20.406 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

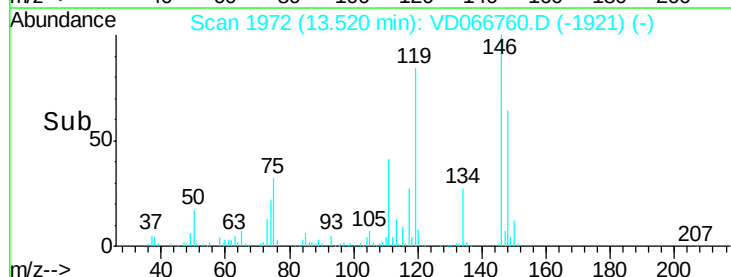
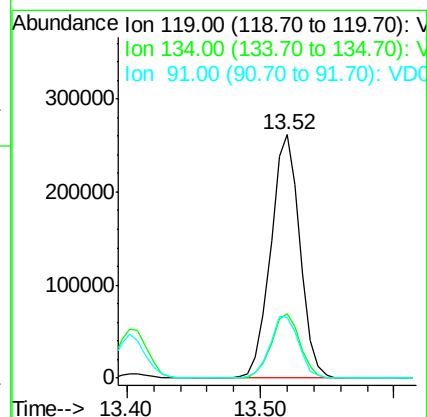
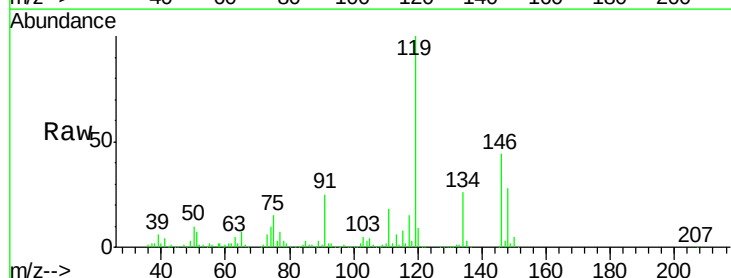
Tgt Ion:119 Resp: 396038

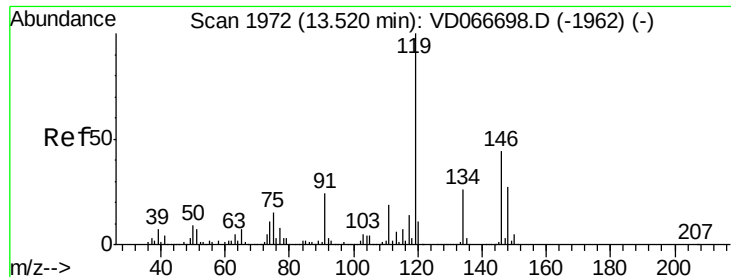
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.4 12.3 36.9





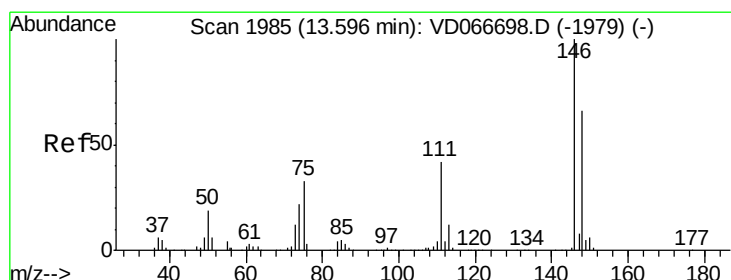
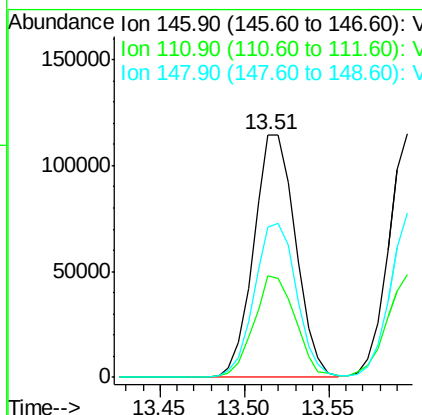
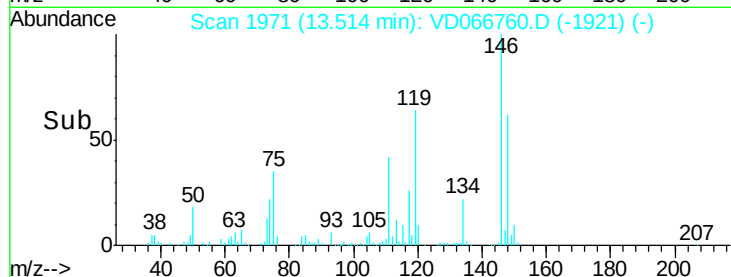
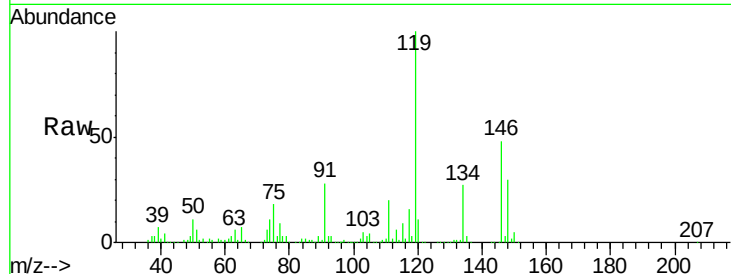
#87
 1,3-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	197241		
111	41.6	21.1	63.3	
148	63.7	31.4	94.2	

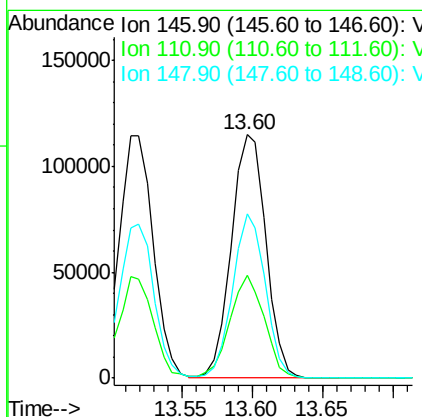
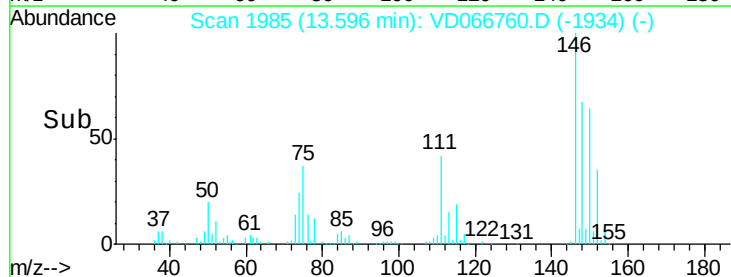
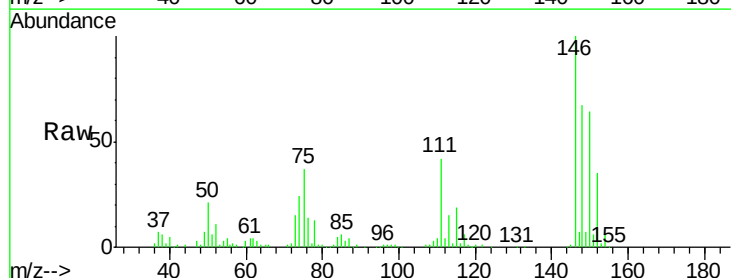
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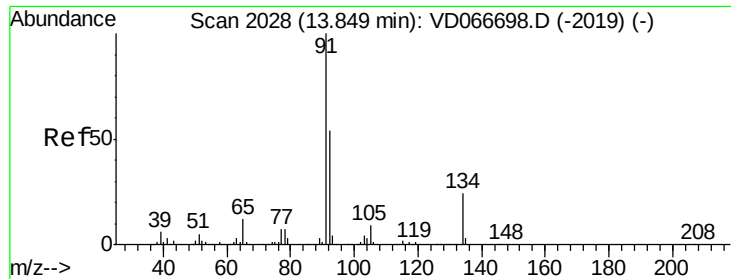
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#88
 1,4-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196194		
111	42.0	20.5	61.6	
148	64.0	32.7	98.1	





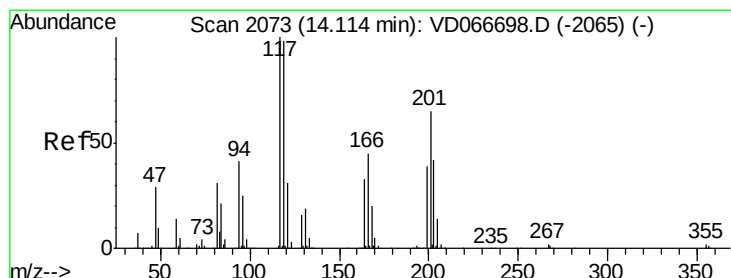
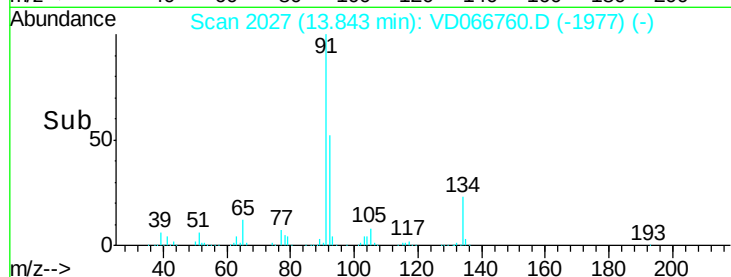
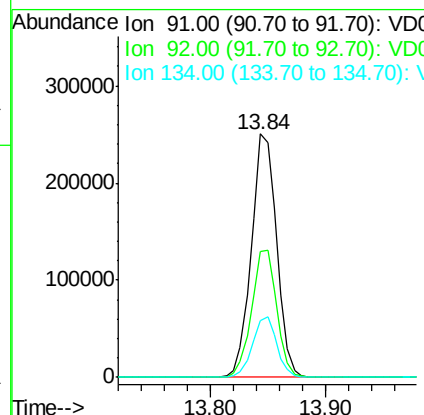
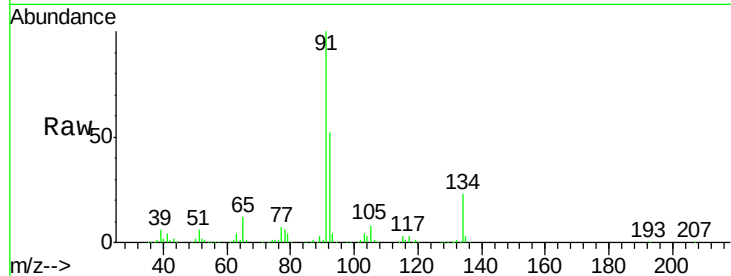
#89
n-Butylbenzene
Concen: 20.676 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	27.0	81.0	
134	24.1	12.4	37.0	

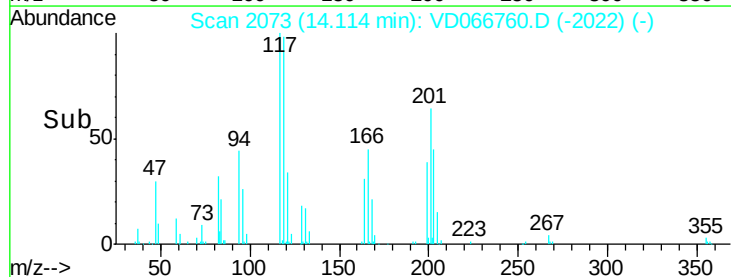
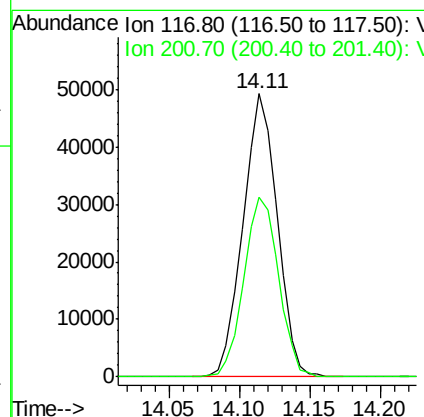
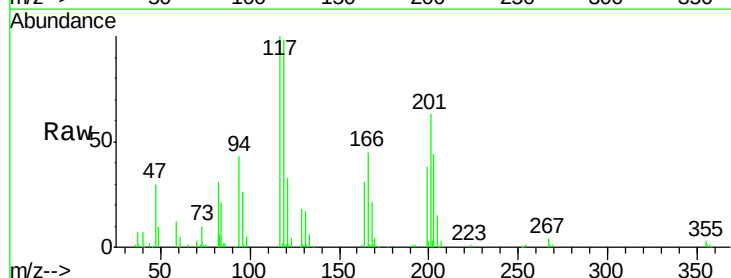
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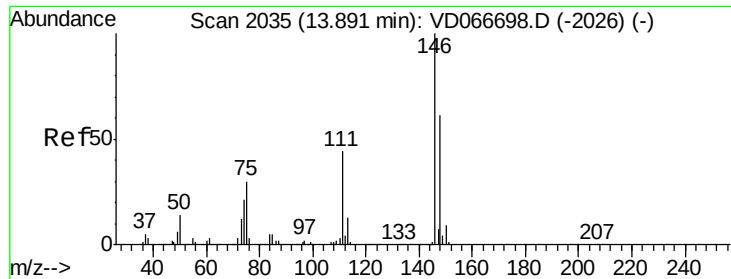
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#90
Hexachloroethane
Concen: 20.988 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	64.4	33.1	99.3	





#91

1,2-Dichlorobenzene

Concen: 21.119 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Instrument :

MSVOA_D

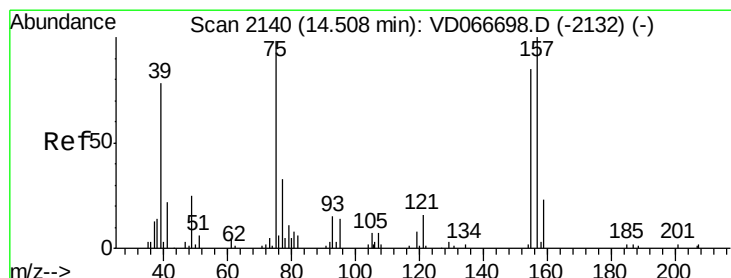
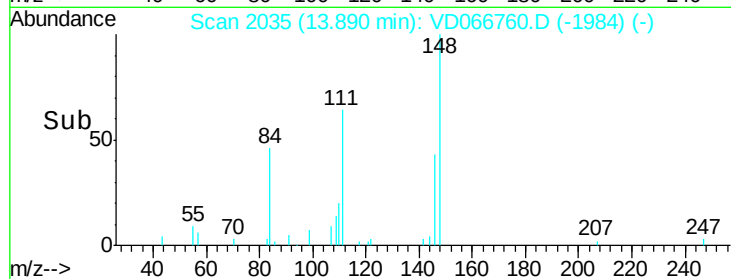
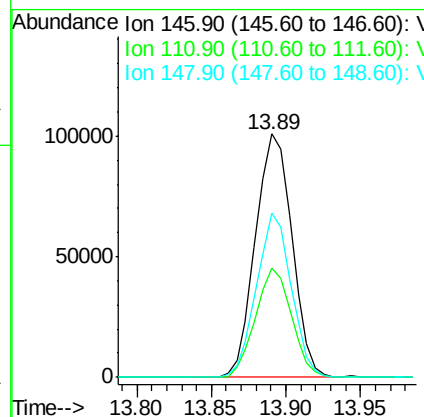
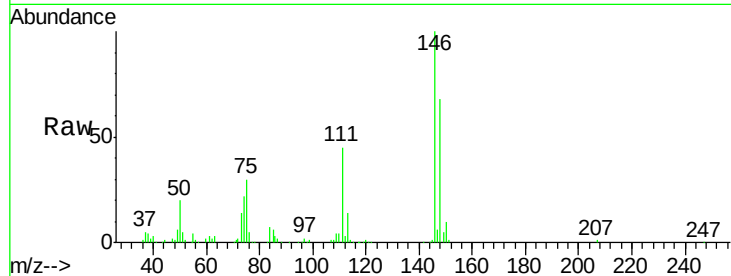
ClientSampleId :

VD0918SBS01

Tot Ion:	146	Resp:	170976
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.6	64.6
148	64.3	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.486 ug/l

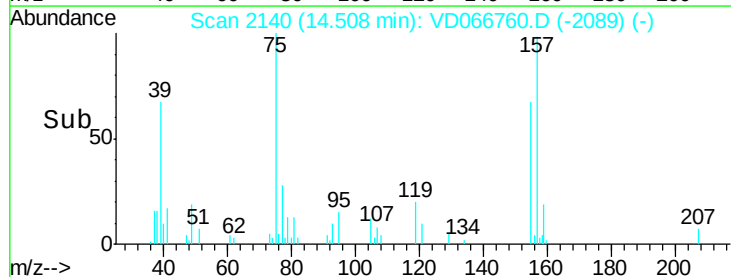
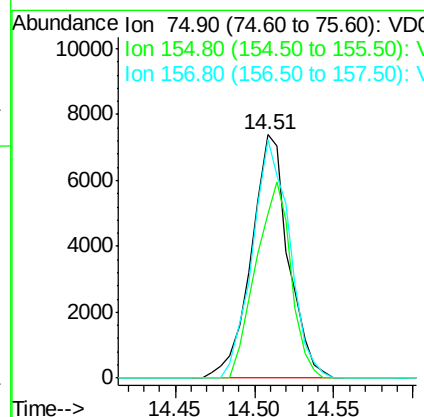
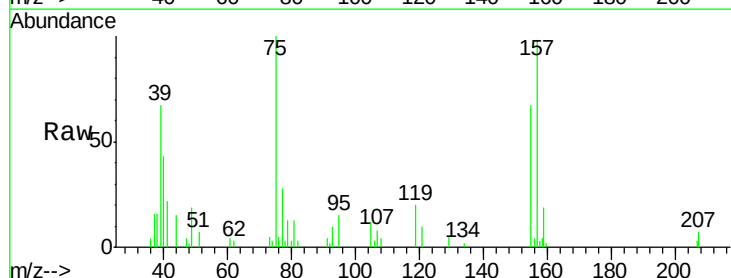
RT: 14.51 min Scan# 2140

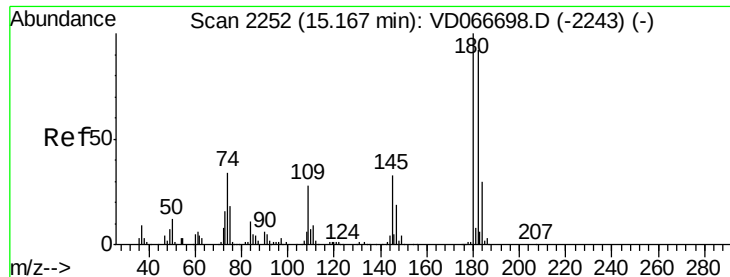
Delta R.T. -0.00 min

Lab File: VD066760.D

Acq: 18 Sep 2020 12:28

Tgt Ion:	75	Resp:	12024
Ion Ratio	Lower	Upper	
75	100		
155	76.3	38.9	116.7
157	98.4	46.4	139.2





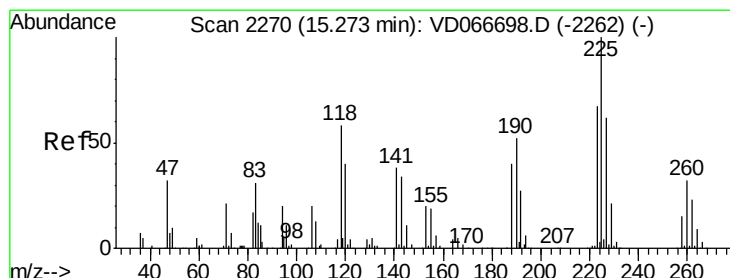
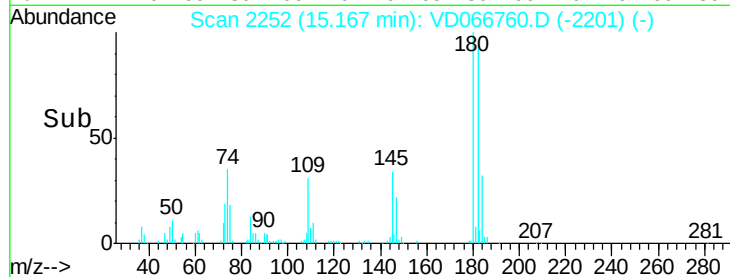
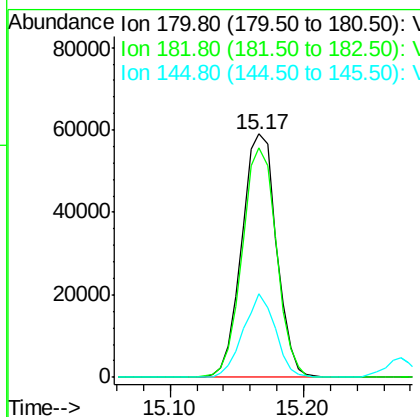
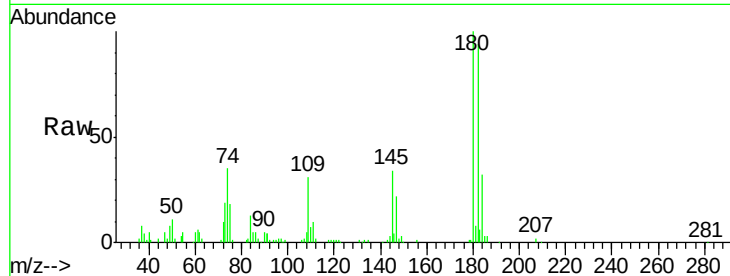
#93
 1,2,4-Trichlorobenzene
 Concen: 21.577 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105655		
182	93.0	46.6	139.7	
145	31.9	16.5	49.5	

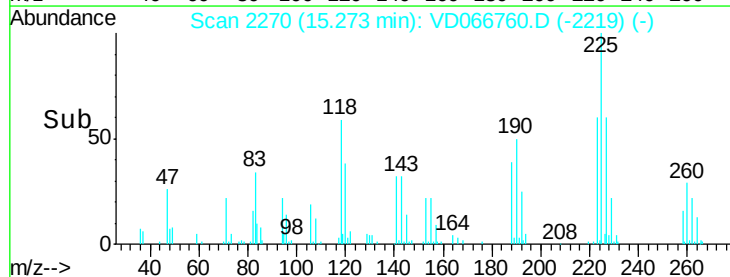
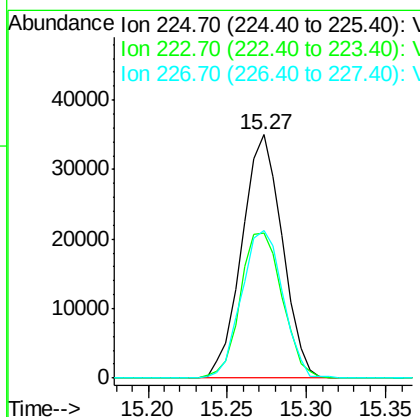
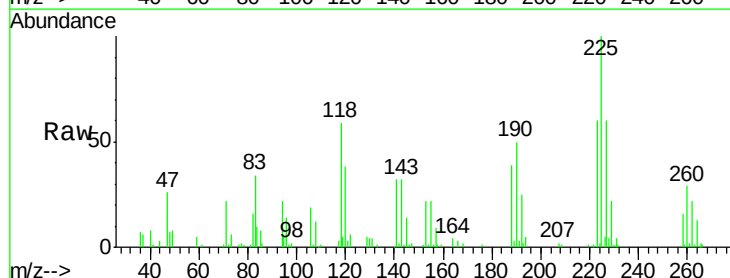
Manual Integrations
 APPROVED

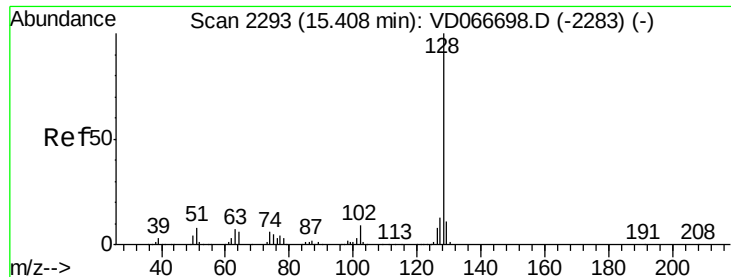
MMDadoda
 9/21/2020 11:48:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.027 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066760.D
 Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62033		
223	62.0	31.9	95.9	
227	61.9	31.3	93.9	





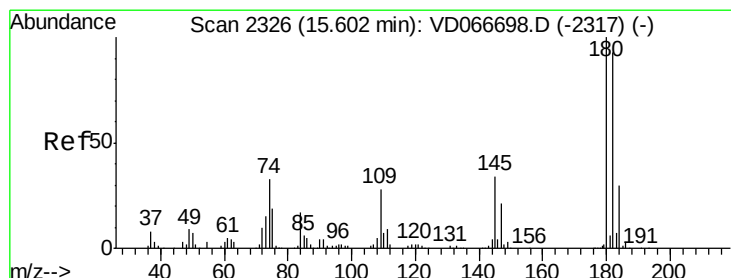
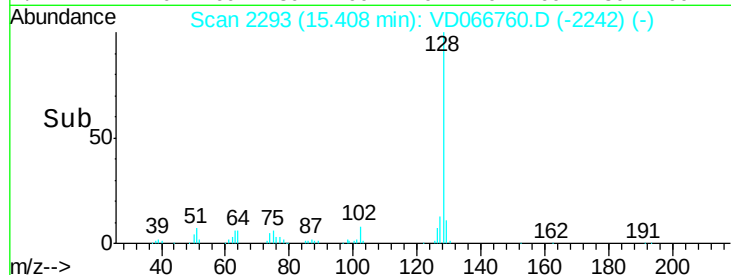
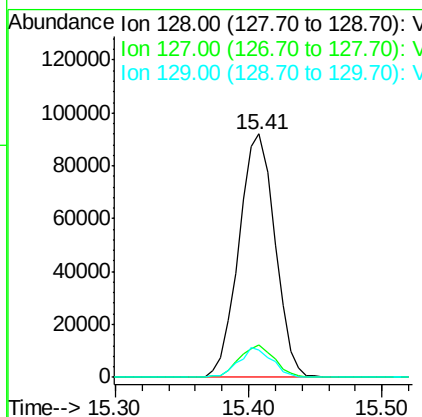
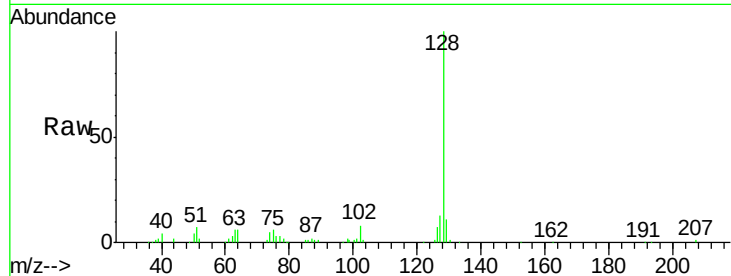
#95
Naphthalene
Concen: 20.122 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	172149		
127	13.1	10.5	15.7	
129	11.2	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:48:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.312 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066760.D
Acq: 18 Sep 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91152		
182	91.8	46.6	139.8	
145	32.8	17.1	51.3	

