

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066064.D
 Acq On : 27 Jul 2020 13:47
 Operator : VA/SY
 Sample : VD0727SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:44:07 PM

Quant Time: Jul 27 18:00:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	286117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	377112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205284	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	120052	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.91	113	121998	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.34	98	470382	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.64	95	161733	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	46923	21.610	ug/l	95
3) Chloromethane	2.21	50	35706	20.150	ug/l	99
4) Vinyl Chloride	2.35	62	35028	20.758	ug/l	99
5) Bromomethane	2.76	94	23432	16.371	ug/l	91
6) Chloroethane	2.92	64	20407	20.259	ug/l	96
7) Trichlorofluoromethane	3.27	101	87692	21.365	ug/l	96
8) Diethyl Ether	3.70	74	21649	19.082	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	51795	20.900	ug/l	98
10) Methyl Iodide	4.30	142	52181	25.982	ug/l	96
11) Tert butyl alcohol	5.19	59	24882m	160.127	ug/l	
12) 1,1-Dichloroethene	4.07	96	46814	19.789	ug/l	93
13) Acrolein	3.92	56	15163	77.304	ug/l	100
14) Allyl chloride	4.71	41	68197	18.442	ug/l	92
15) Acrylonitrile	5.43	53	44122	91.033	ug/l	97
16) Acetone	4.16	43	43388	92.072	ug/l	91
17) Carbon Disulfide	4.41	76	141708	18.467	ug/l	98
18) Methyl Acetate	4.71	43	19461	17.752	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	96477	19.849	ug/l	99
20) Methylene Chloride	4.97	84	64167	23.026	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	53076	19.852	ug/l	93
22) Diisopropyl ether	6.36	45	128756	18.327	ug/l	94
23) Vinyl Acetate	6.31	43	374658	94.560	ug/l	97
24) 1,1-Dichloroethane	6.27	63	80750	18.970	ug/l	97
25) 2-Butanone	7.21	43	56112	89.736	ug/l	99
26) 2,2-Dichloropropane	7.21	77	83270	21.753	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55052	19.447	ug/l	97
28) Bromochloromethane	7.55	49	32438	17.954	ug/l	91
29) Tetrahydrofuran	7.56	42	34789	90.171	ug/l	96
30) Chloroform	7.71	83	89891	20.188	ug/l	93
31) Cyclohexane	7.98	56	79222	18.917	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	89370	21.698	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71397	20.755	ug/l	99
37) Ethyl Acetate	7.29	43	26324	20.037	ug/l	100
38) Carbon Tetrachloride	8.10	117	83235	22.300	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Quant Time: Jul 27 18:00:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87215	20.936	ug/l	94
40) Benzene	8.36	78	195157	20.278	ug/l	99
41) Methacrylonitrile	7.53	41	14827m	19.701	ug/l	
42) 1,2-Dichloroethane	8.43	62	56248	21.329	ug/l	99
43) Isopropyl Acetate	8.46	43	48561	18.925	ug/l	98
44) Trichloroethene	9.11	130	60227	20.680	ug/l	93
45) 1,2-Dichloropropane	9.38	63	46717	20.043	ug/l	100
46) Dibromomethane	9.48	93	26094	20.796	ug/l	98
47) Bromodichloromethane	9.67	83	68646	20.691	ug/l	98
48) Methyl methacrylate	9.46	41	23156	17.891	ug/l #	86
49) 1,4-Dioxane	9.47	88	5827	400.835	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	125023	96.703	ug/l	99
52) Toluene	10.41	92	134080	21.363	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	65261	21.114	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	76892	20.522	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	36475	20.496	ug/l	94
56) Ethyl methacrylate	10.67	69	43510	21.029	ug/l	99
57) 1,3-Dichloropropane	10.95	76	59052	20.045	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	104836	106.068	ug/l	97
59) 2-Hexanone	10.99	43	89504	99.900	ug/l	96
60) Dibromochloromethane	11.14	129	50601	21.089	ug/l	96
61) 1,2-Dibromoethane	11.26	107	36546	21.299	ug/l	97
64) Tetrachloroethene	10.88	164	54340	21.230	ug/l	95
65) Chlorobenzene	11.68	112	146082	21.157	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	55855	21.908	ug/l	97
67) Ethyl Benzene	11.75	91	254655	21.431	ug/l	99
68) m/p-Xylenes	11.86	106	201830	44.192	ug/l	100
69) o-Xylene	12.18	106	88609	21.331	ug/l	94
70) Styrene	12.20	104	156531	21.932	ug/l	99
71) Bromoform	12.37	173	32134	21.517	ug/l #	100
73) Isopropylbenzene	12.48	105	255406	20.561	ug/l	99
74) N-amyl acetate	12.30	43	47886	18.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	37857	18.441	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	24912m	16.117	ug/l	
77) Bromobenzene	12.77	156	64637	20.361	ug/l	95
78) n-propylbenzene	12.83	91	299856	20.803	ug/l	100
79) 2-Chlorotoluene	12.91	91	165594	20.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	217162	21.279	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12905	19.158	ug/l	96
82) 4-Chlorotoluene	13.01	91	178041	20.483	ug/l	99
83) tert-Butylbenzene	13.23	119	187415	20.986	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	211032	20.960	ug/l	98
85) sec-Butylbenzene	13.41	105	263911	21.455	ug/l	100
86) p-Isopropyltoluene	13.53	119	241183	21.582	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	124767	21.169	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	123841	20.785	ug/l	99
89) n-Butylbenzene	13.85	91	220164	21.188	ug/l	98
90) Hexachloroethane	14.12	117	47287	20.441	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	103710	20.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6645	19.751	ug/l	93

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78899	21.522	ug/l	100
94) Hexachlorobutadiene	15.28	225	50002	22.062	ug/l	98
95) Naphthalene	15.41	128	120902	20.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68453	21.479	ug/l	97

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

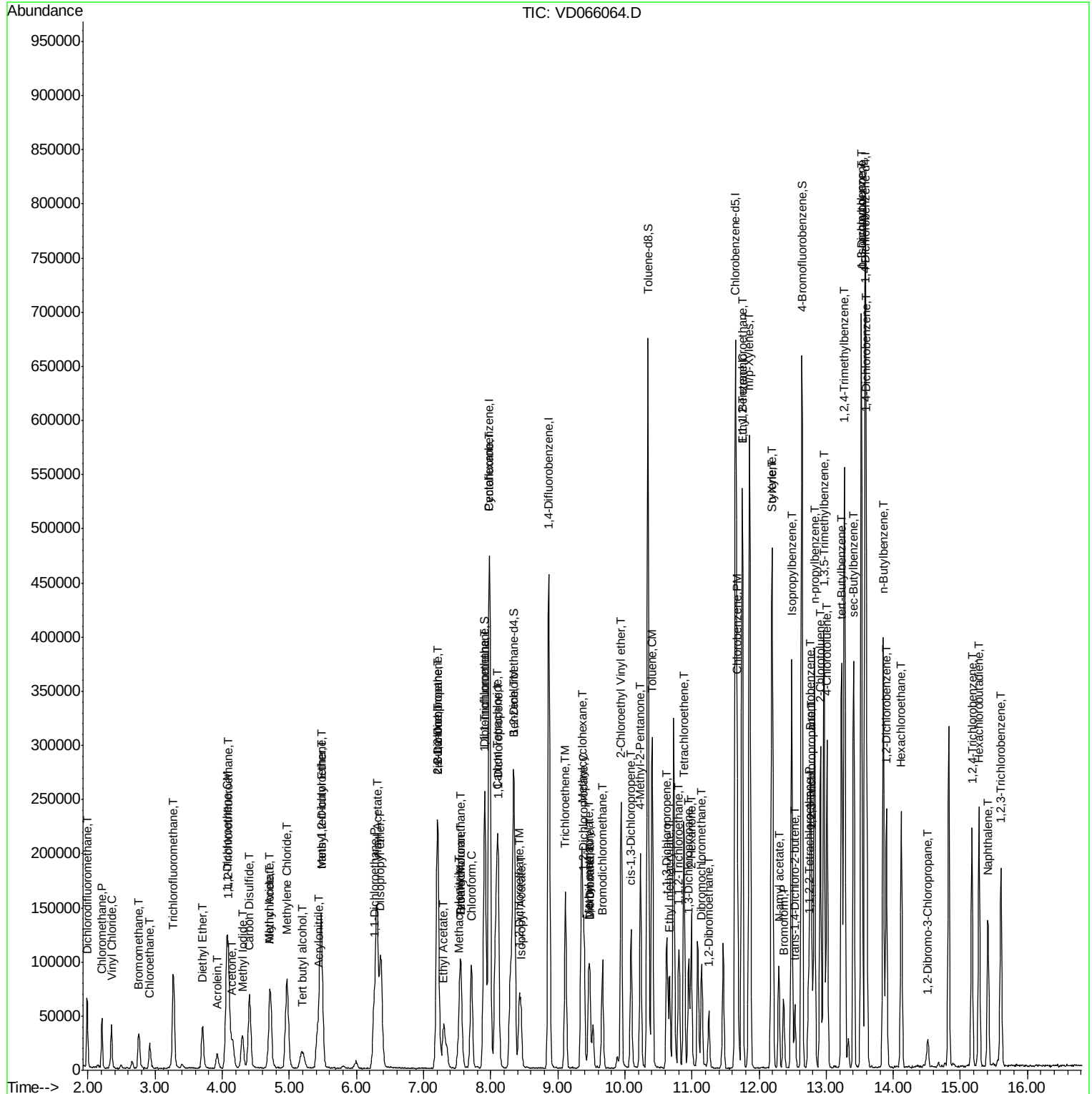
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072720\
Data File : VD066064.D
Acq On : 27 Jul 2020 13:47
Operator : VA/SY
Sample : VD0727SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

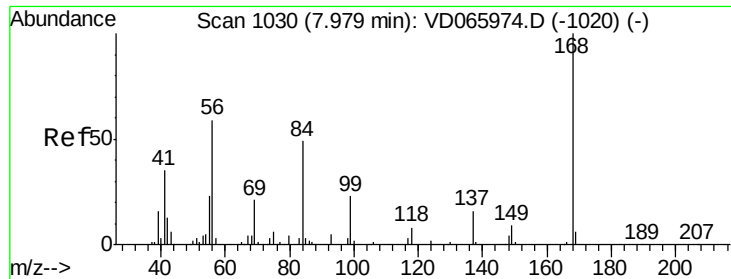
Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Manual Integrations
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Quant Time: Jul 27 18:00:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion:168 Resp: 286117

Ion Ratio Lower Upper

168 100

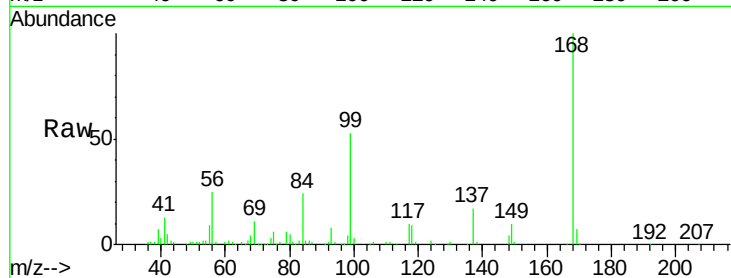
99 52.5 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

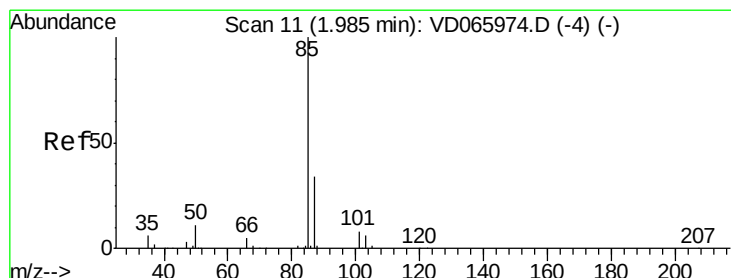
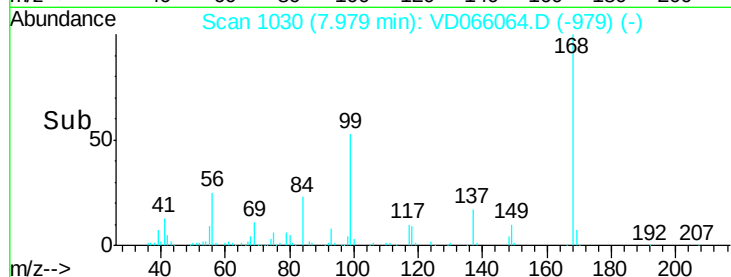
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.610 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066064.D

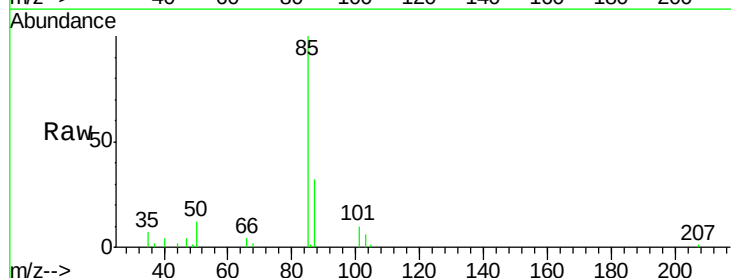
Acq: 27 Jul 2020 13:47

Tgt Ion: 85 Resp: 46923

Ion Ratio Lower Upper

85 100

87 31.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

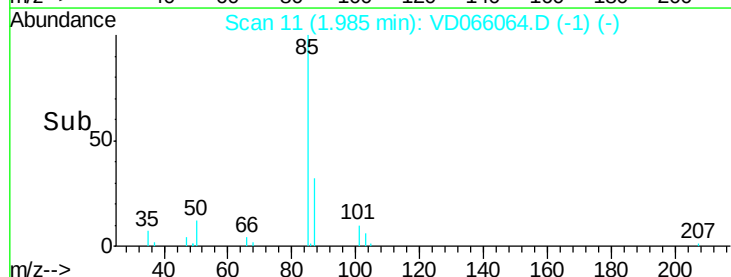
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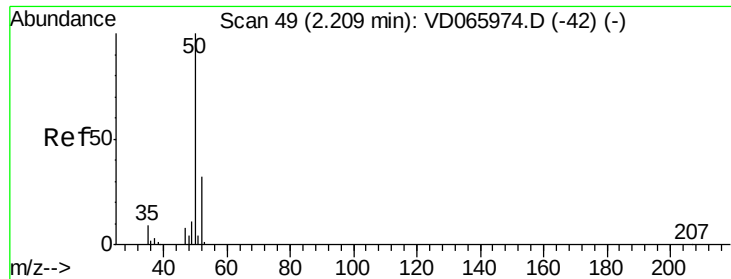
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.150 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 50 Resp: 35706

Ion Ratio Lower Upper

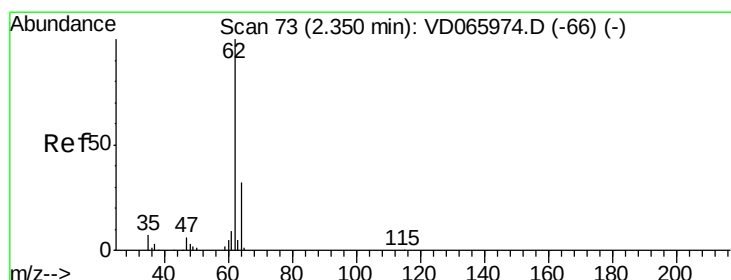
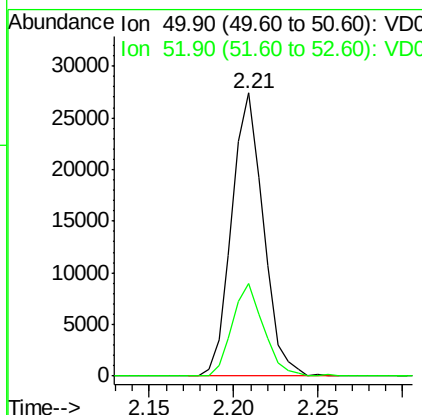
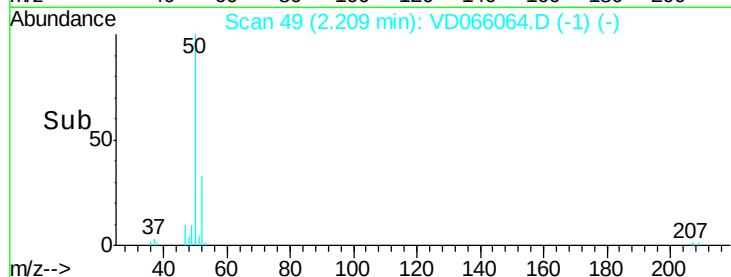
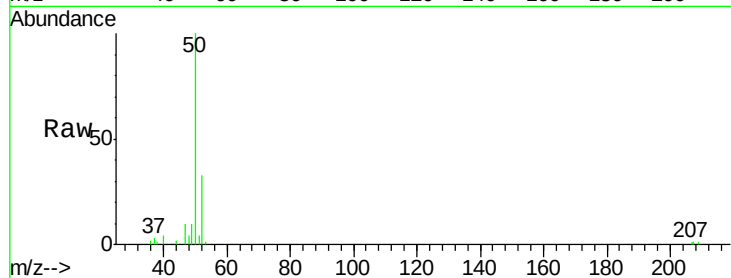
50 100

52 32.7 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.758 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066064.D

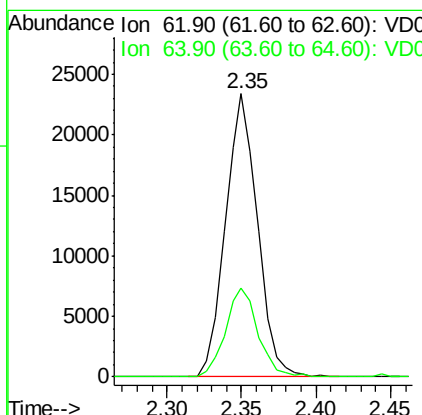
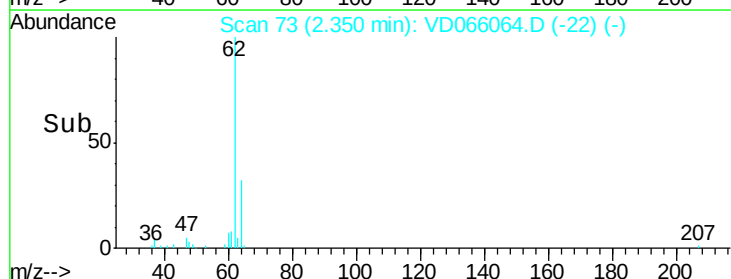
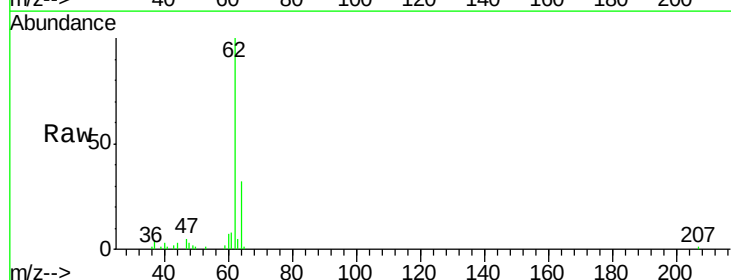
Acq: 27 Jul 2020 13:47

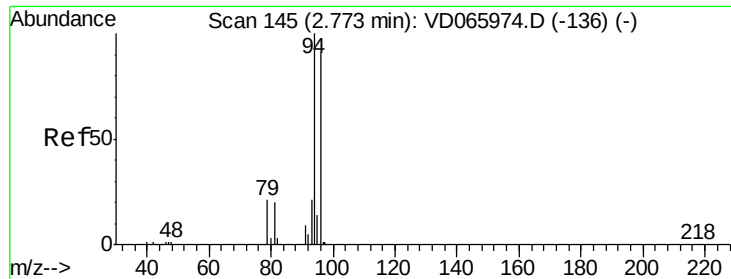
Tgt Ion: 62 Resp: 35028

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 16.371 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 94 Resp: 23432

Ion Ratio Lower Upper

94 100

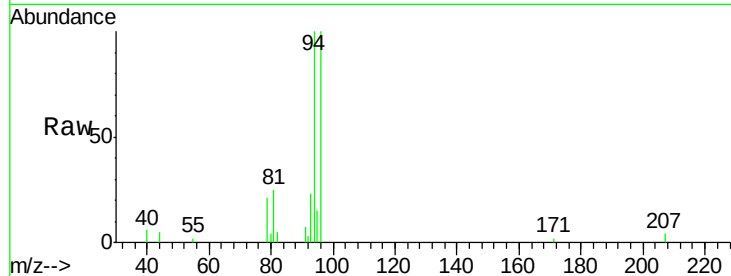
96 99.8 73.0 109.4

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

12000

10000

8000

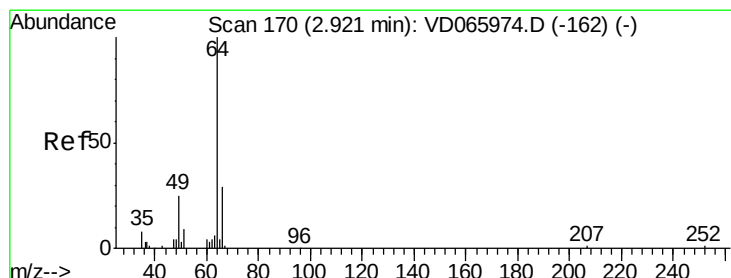
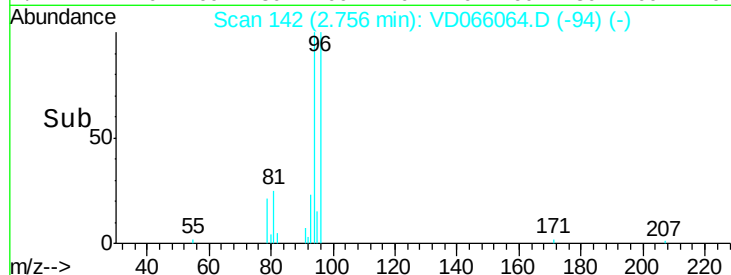
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 20.259 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066064.D

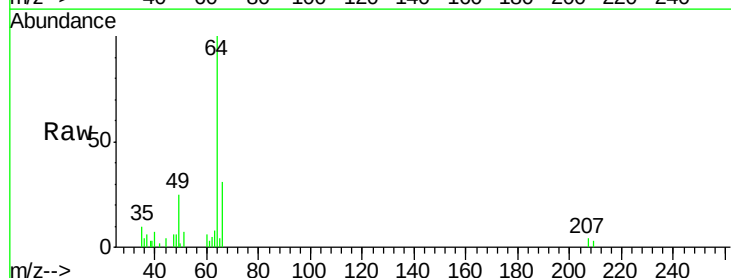
Acq: 27 Jul 2020 13:47

Tgt Ion: 64 Resp: 20407

Ion Ratio Lower Upper

64 100

66 31.4 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

12000

10000

8000

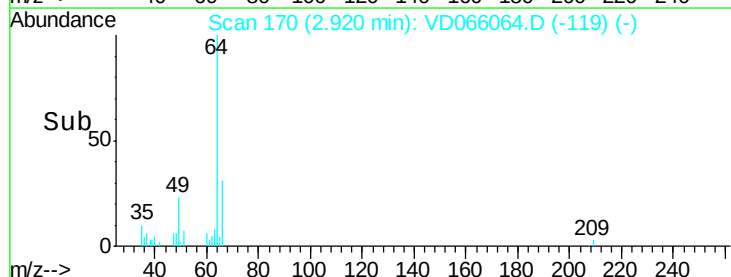
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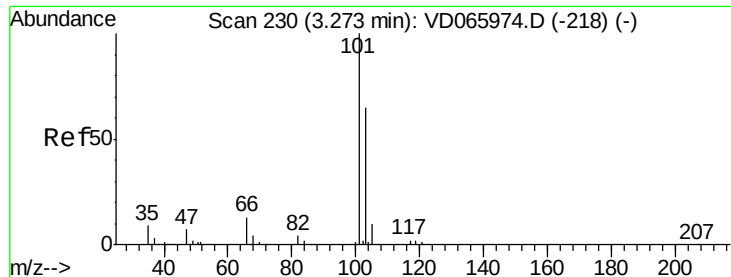
4000

2000

0

Time-->





#7

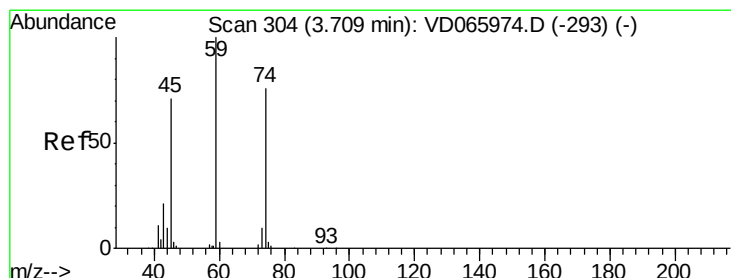
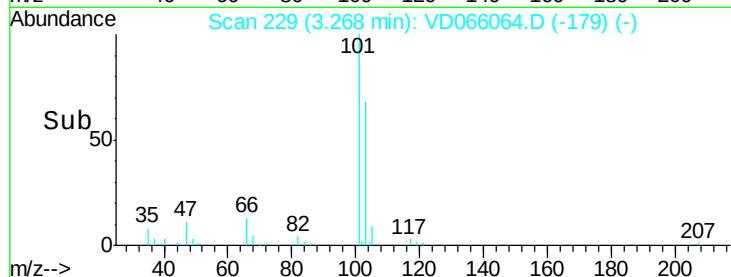
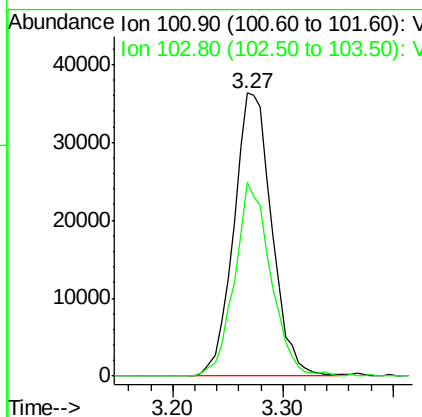
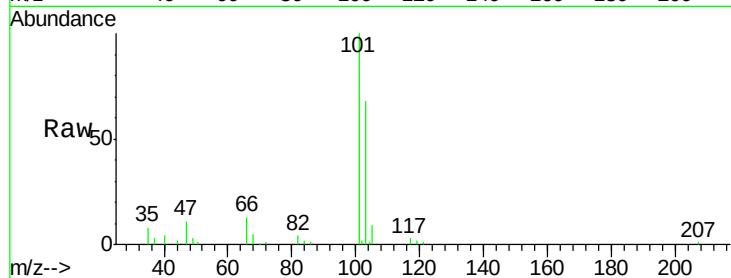
Trichlorofluoromethane
 Concen: 21.365 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
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 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	52.1	78.1

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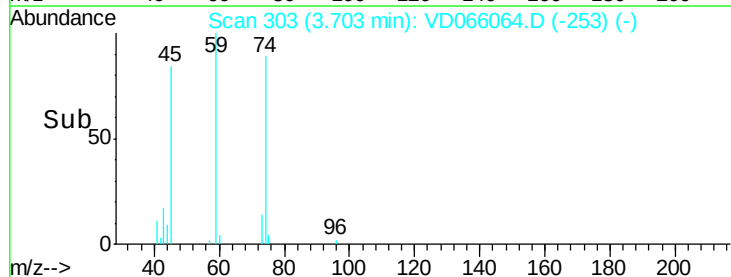
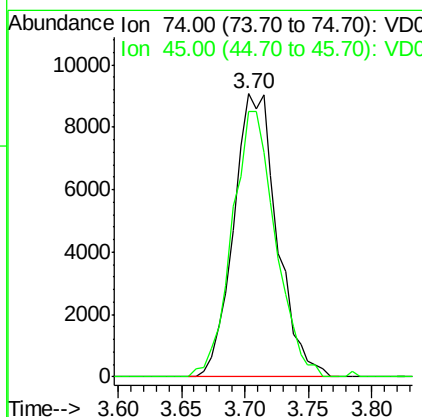
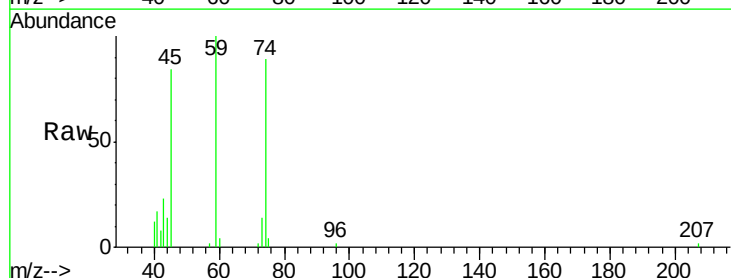
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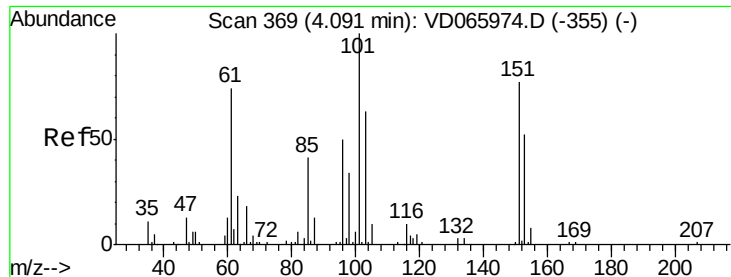


#8

Diethyl Ether
 Concen: 19.082 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	49.9	149.6





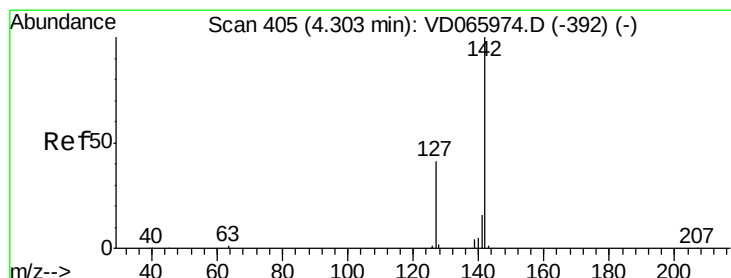
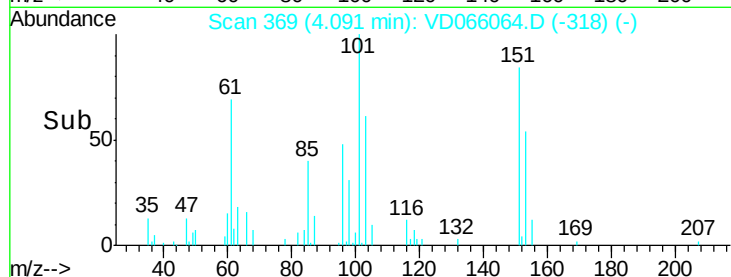
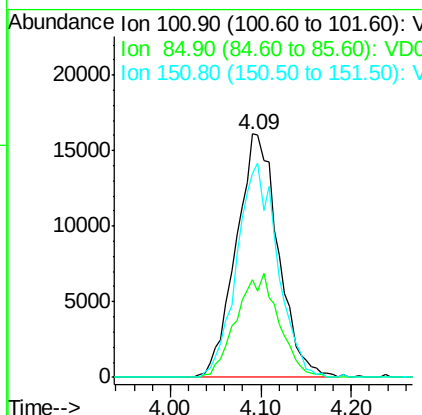
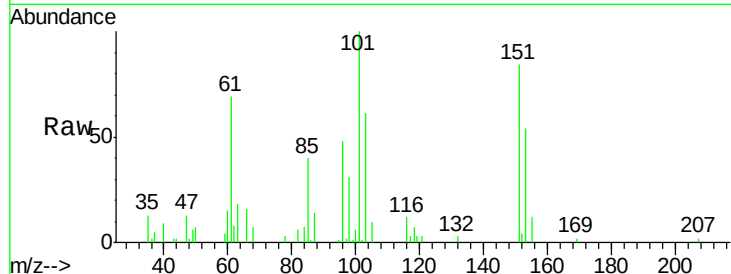
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.900 ug/l
RT: 4.09 min Scan# 369
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	33.6	50.4
151	85.5	66.6	99.8

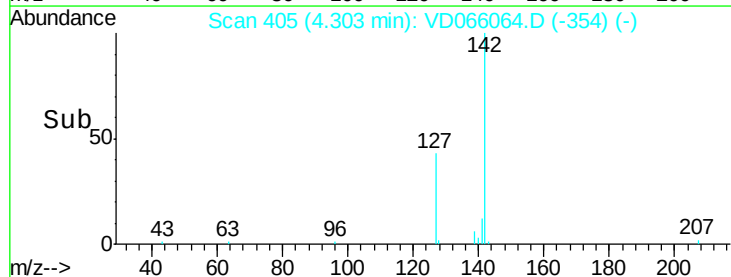
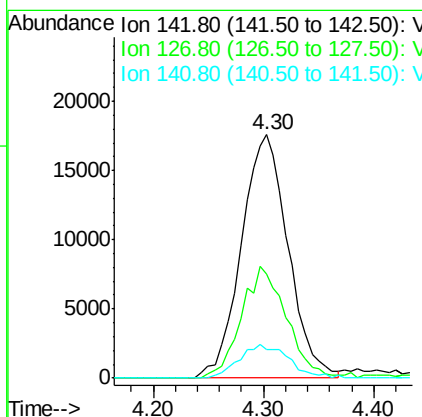
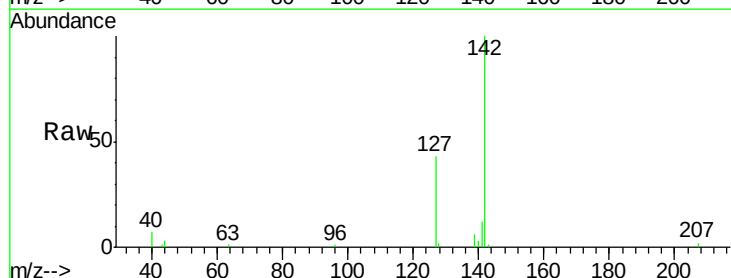
Manual Integrations
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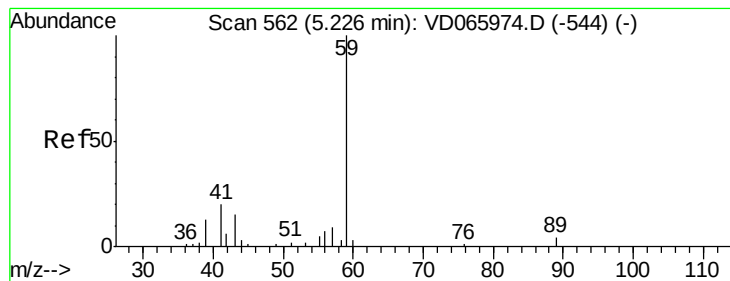
MMDadoda
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#10
Methyl Iodide
Concen: 25.982 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.7	32.9	49.3
141	14.6	11.8	17.6





#11

Tert butyl alcohol

Concen: 160.127 ug/l m

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 59 Resp: 24882

Ion Ratio Lower Upper

59 100

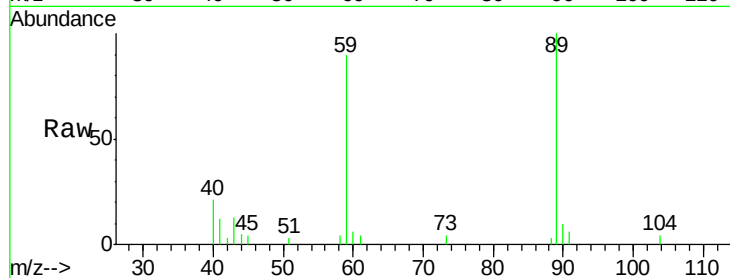
57 0.0 4.5 6.7#

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

6000

5000

4000

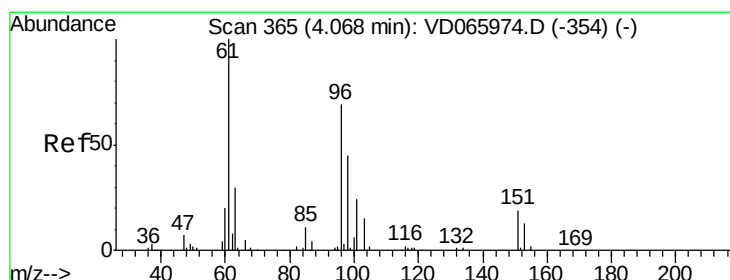
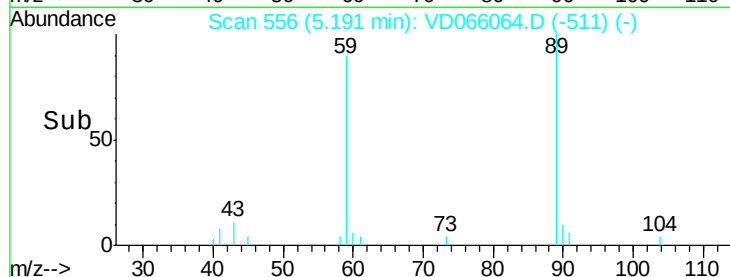
3000

2000

1000

0

Time-->



#12

1,1-Dichloroethene

Concen: 19.789 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

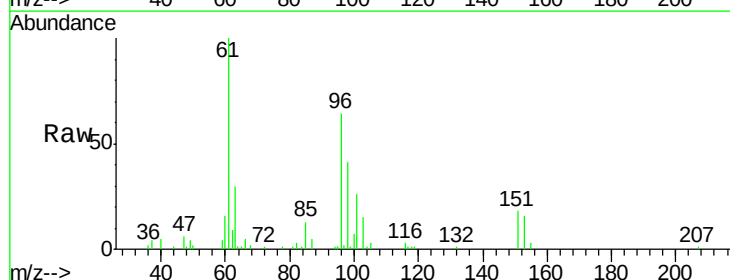
Tgt Ion: 96 Resp: 46814

Ion Ratio Lower Upper

96 100

61 156.8 115.4 173.0

98 63.7 51.5 77.3



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

4.07

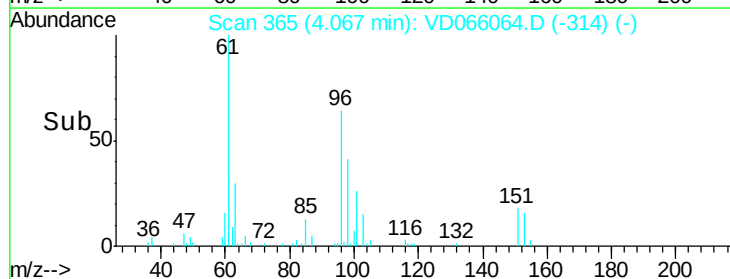
30000

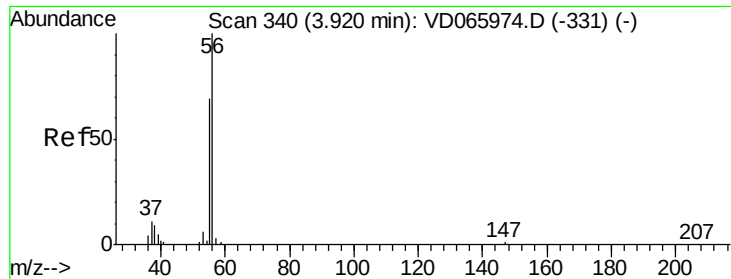
20000

10000

0

Time-->





#13

Acrolein

Concen: 77.304 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 56 Resp: 15163

Ion Ratio Lower Upper

56 100

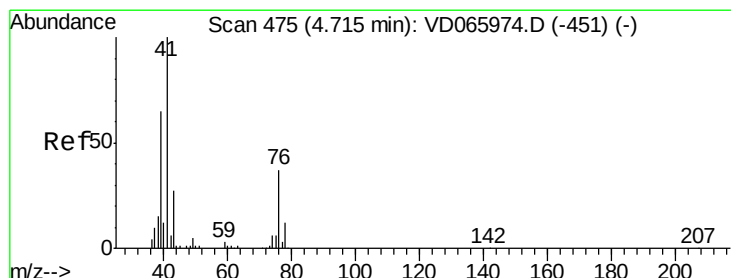
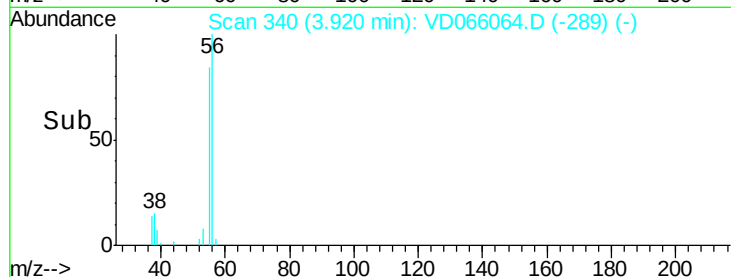
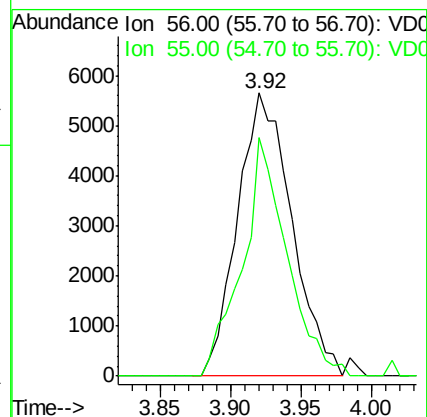
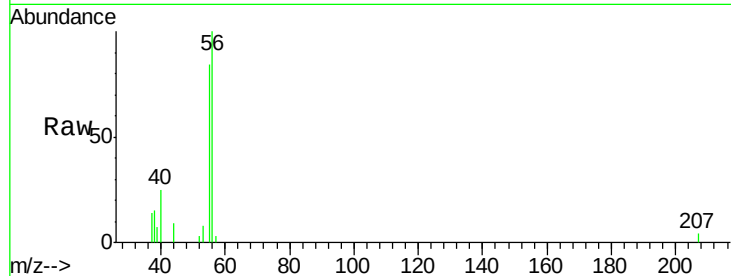
55 69.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.442 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

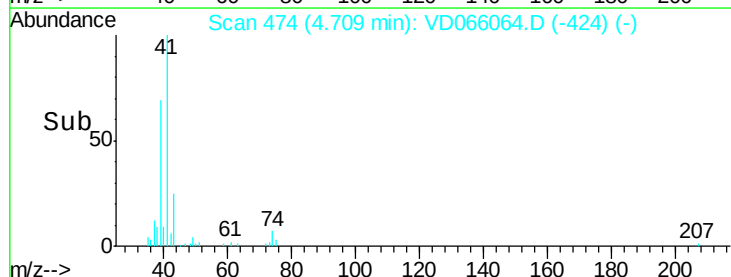
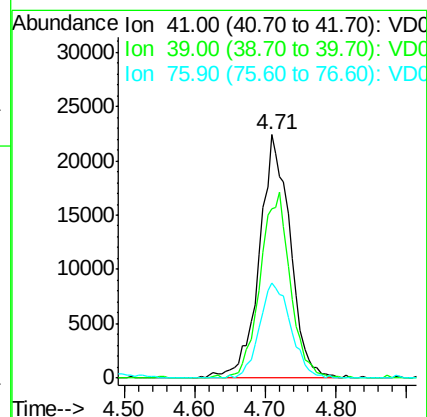
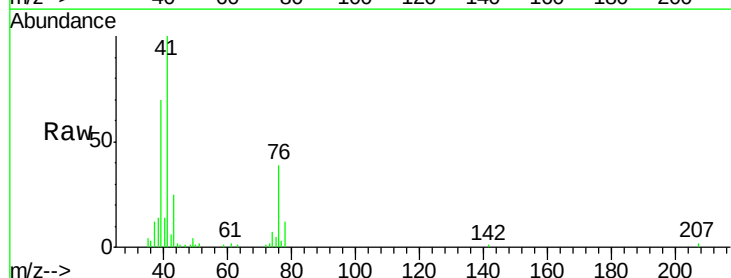
Tgt Ion: 41 Resp: 68197

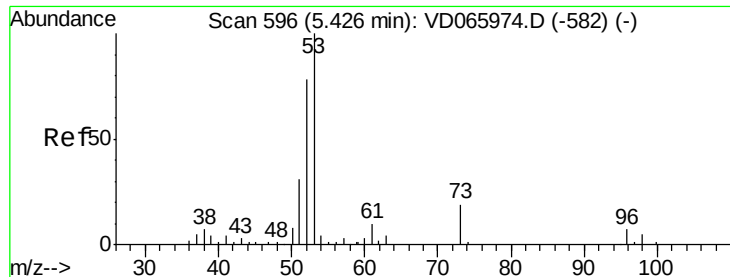
Ion Ratio Lower Upper

41 100

39 74.3 53.4 80.2

76 39.7 29.1 43.7





#15

Acrylonitrile

Concen: 91.033 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

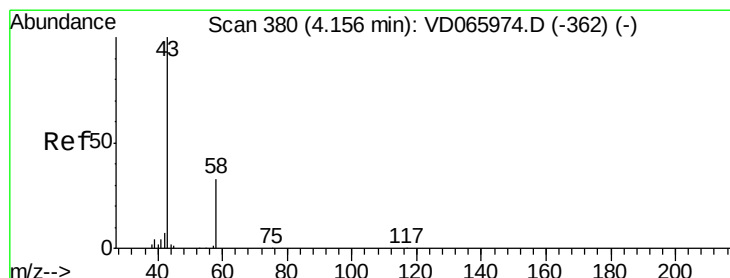
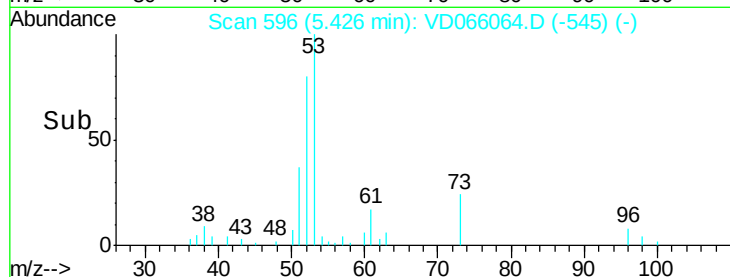
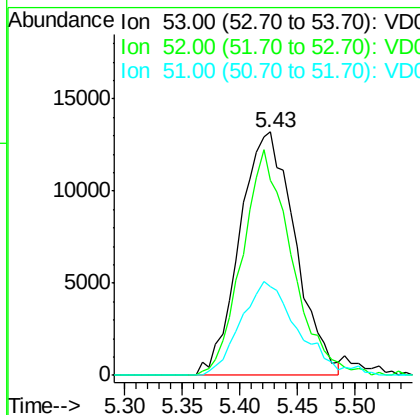
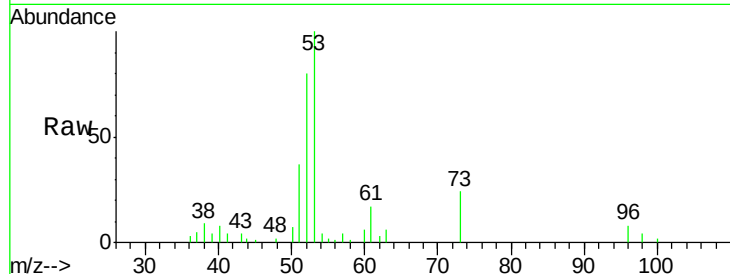
ClientSampleId :

VD0727SBS01

Tot Ion:	53	Resp:	44122
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.1	100.7
51	40.0	28.7	43.1

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#16

Acetone

Concen: 92.072 ug/l

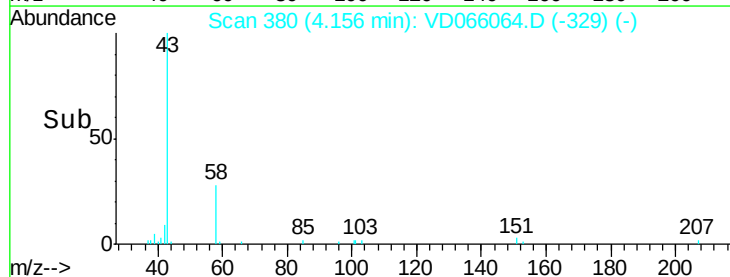
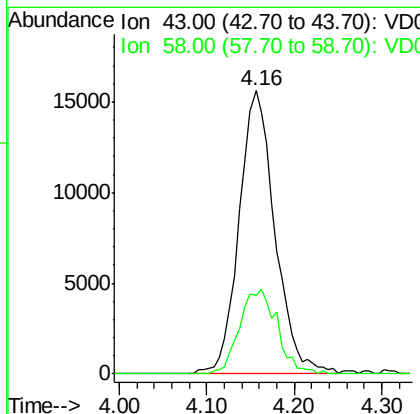
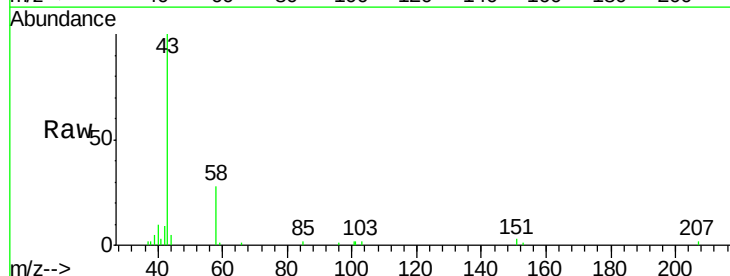
RT: 4.16 min Scan# 380

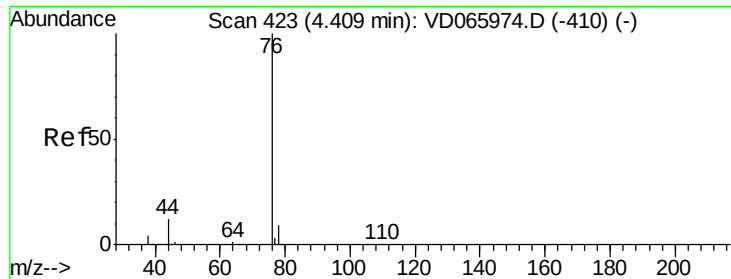
Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion:	43	Resp:	43388
Ion	Ratio	Lower	Upper
43	100		
58	27.9	26.3	39.5





#17

Carbon Disulfide

Concen: 18.467 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 76 Resp: 141708

Ion Ratio Lower Upper

76 100

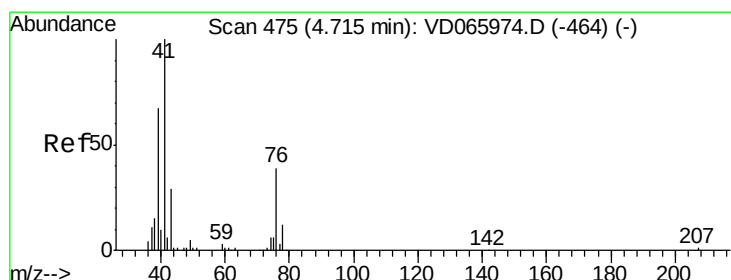
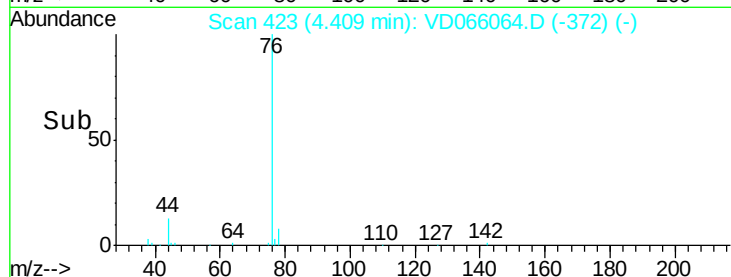
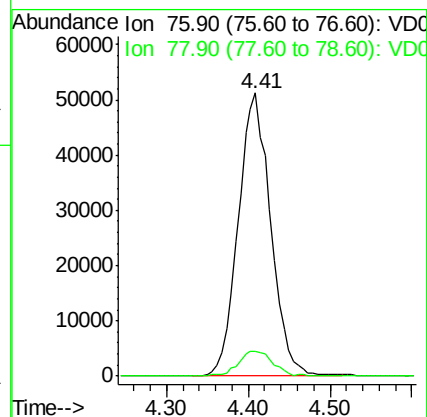
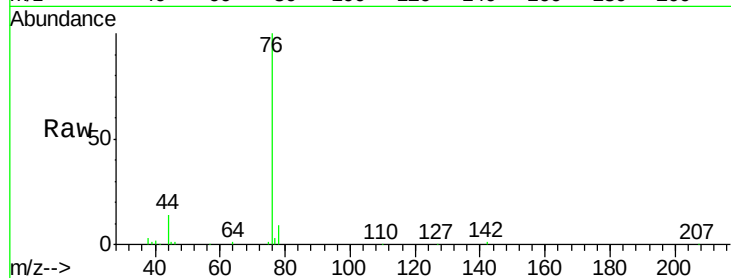
78 8.7 7.4 11.2

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#18

Methyl Acetate

Concen: 17.752 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066064.D

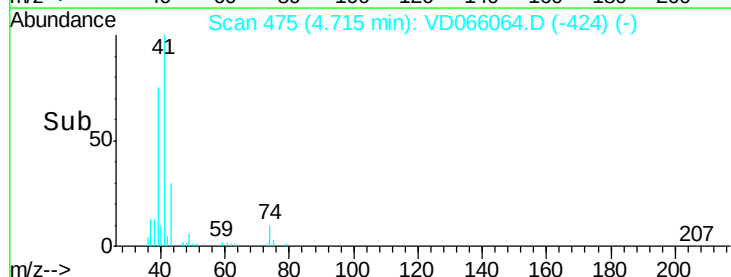
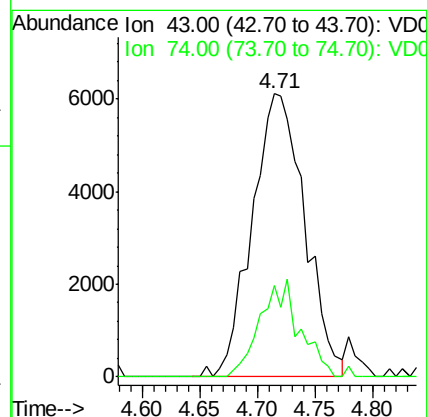
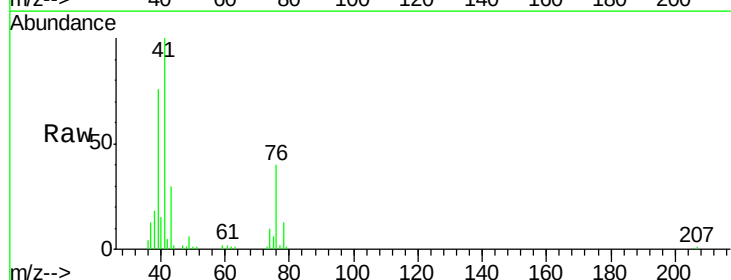
Acq: 27 Jul 2020 13:47

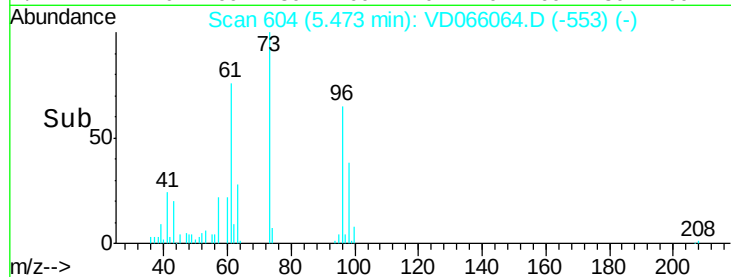
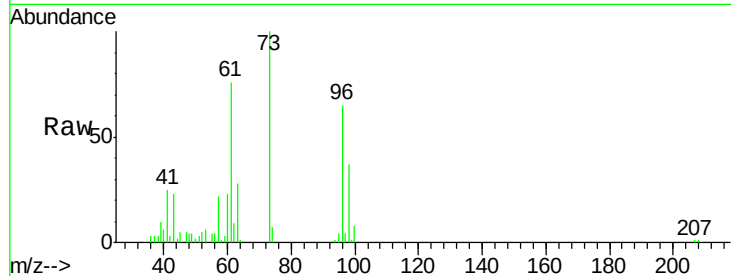
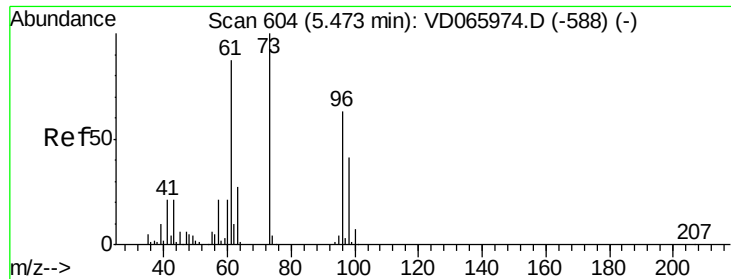
Tgt Ion: 43 Resp: 19461

Ion Ratio Lower Upper

43 100

74 25.6 19.2 28.8





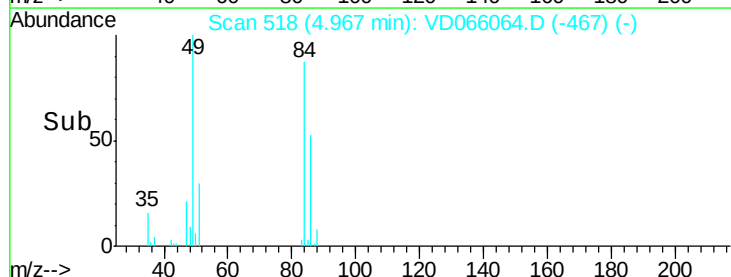
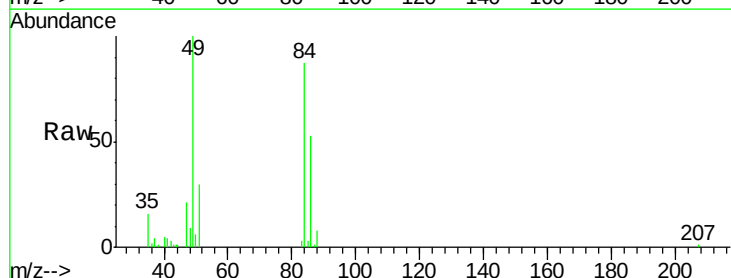
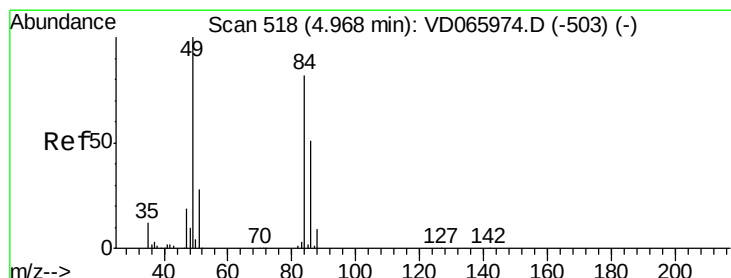
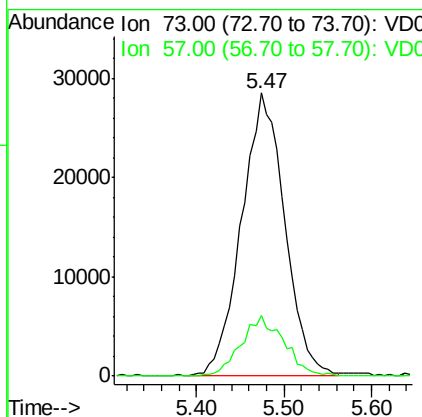
#19
Methyl tert-butyl Ether
Concen: 19.849 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tot Ion: 73 Resp: 96477
Ion Ratio Lower Upper
73 100
57 21.5 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

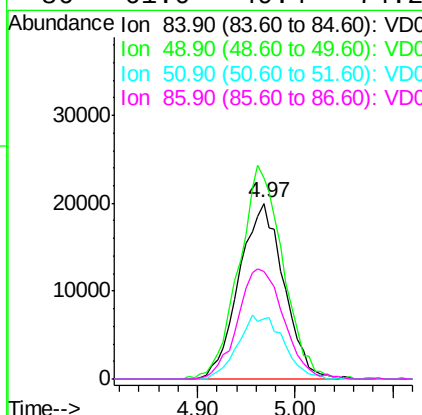
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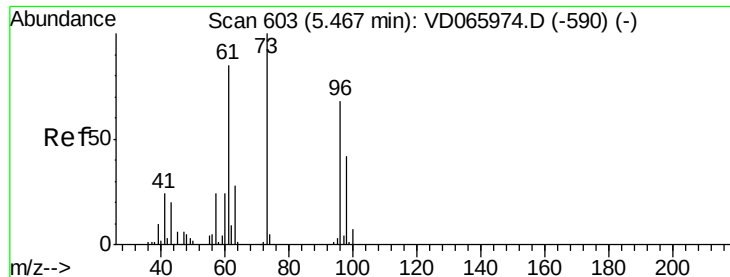
MMDadoda
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#20
Methylene Chloride
Concen: 23.026 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion: 84 Resp: 64167
Ion Ratio Lower Upper
84 100
49 114.4 97.7 146.5
51 34.2 27.4 41.2
86 61.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 19.852 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 96 Resp: 53076

Ion Ratio Lower Upper

96 100

61 117.3 100.5 150.7

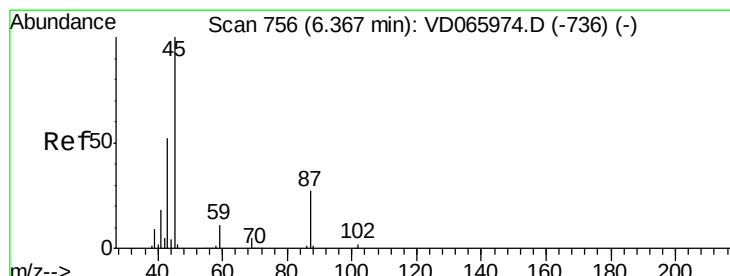
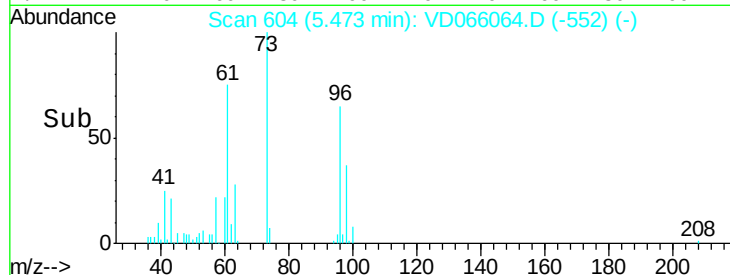
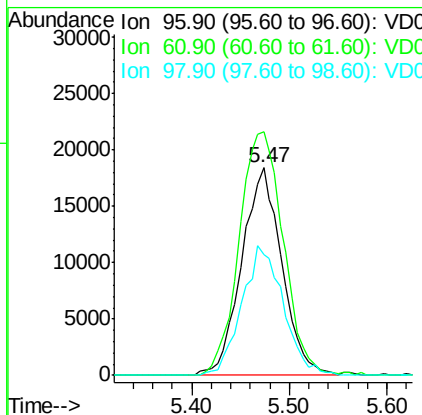
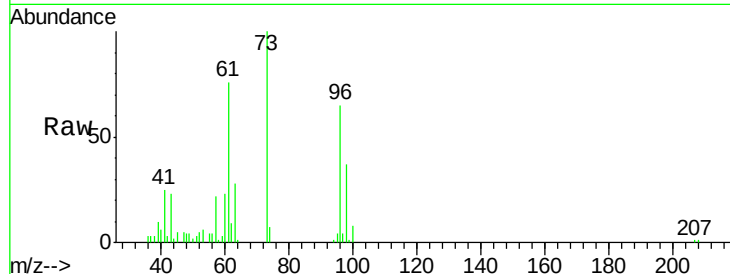
98 58.0 49.7 74.5

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#22

Diisopropyl ether

Concen: 18.327 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion: 45 Resp: 128756

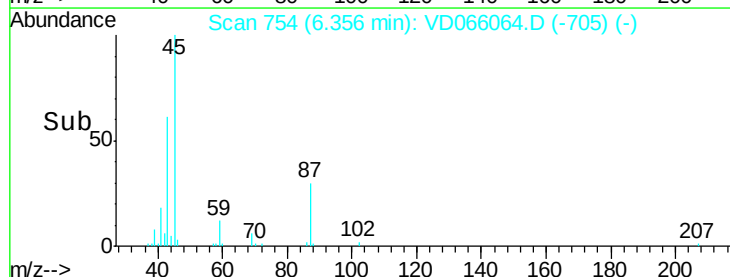
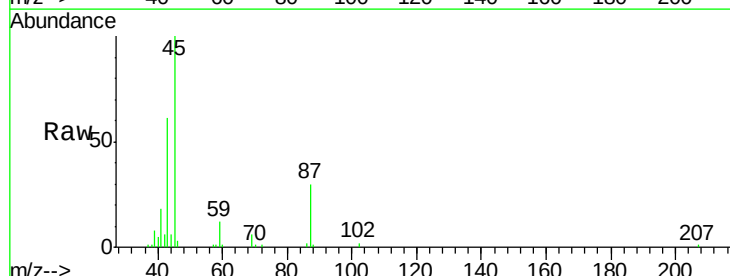
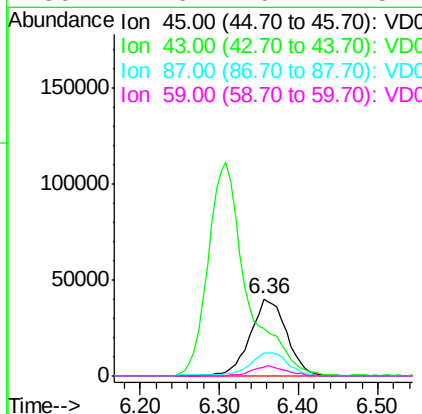
Ion Ratio Lower Upper

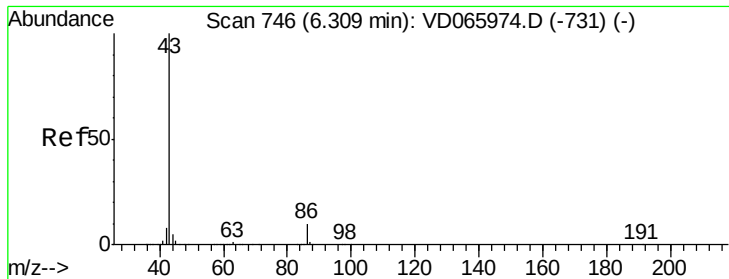
45 100

43 59.3 43.0 64.4

87 30.0 22.0 33.0

59 11.6 9.1 13.7





#23

Vinyl Acetate

Concen: 94.560 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 43 Resp: 374658

Ion Ratio Lower Upper

43 100

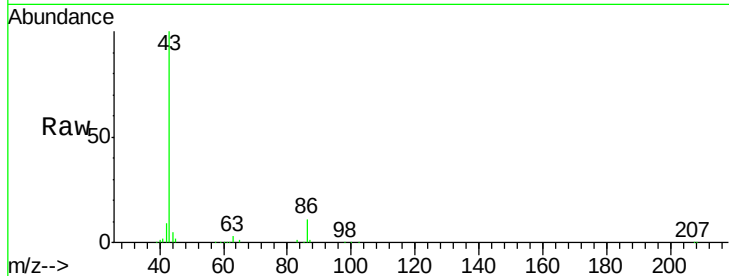
86 10.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

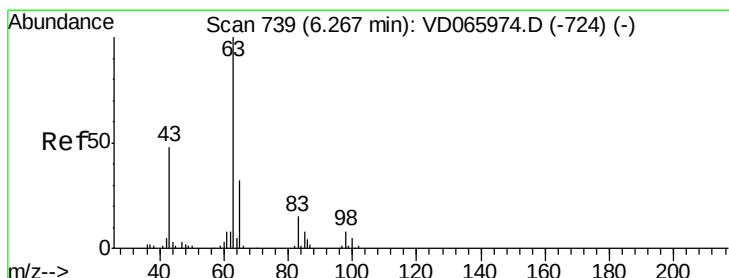
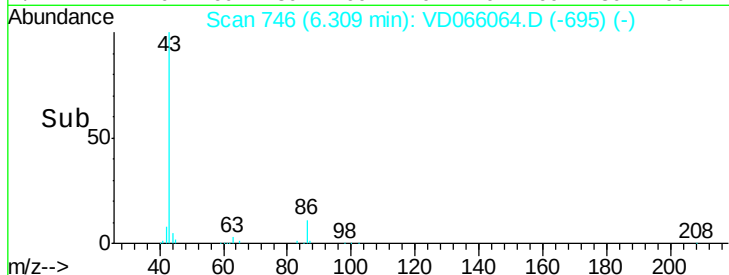
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.970 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

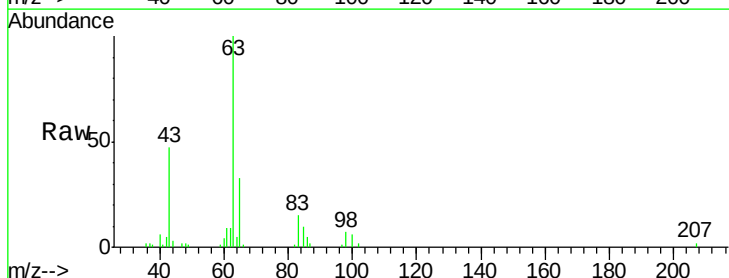
Tgt Ion: 63 Resp: 80750

Ion Ratio Lower Upper

63 100

98 7.1 4.3 12.8

100 5.9 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

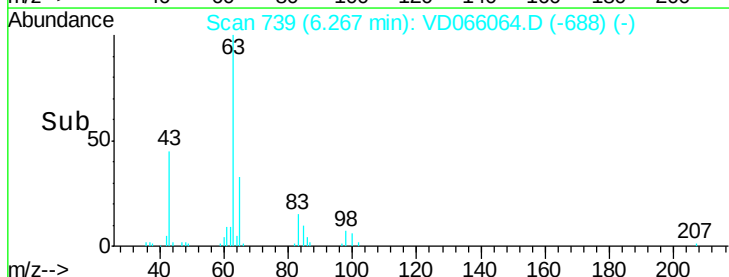
30000

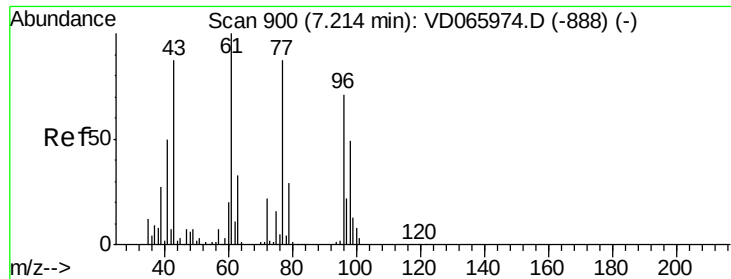
20000

10000

0

Time-->





#25

2-Butanone

Concen: 89.736 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 43 Resp: 56112

Ion Ratio Lower Upper

43 100

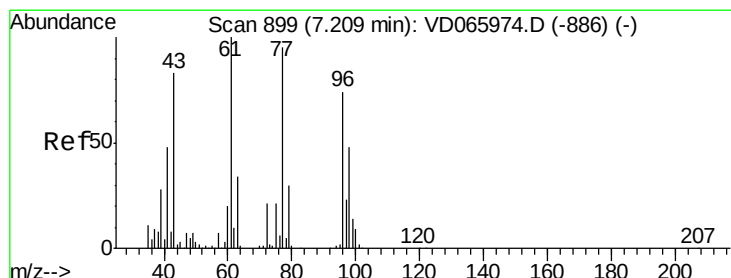
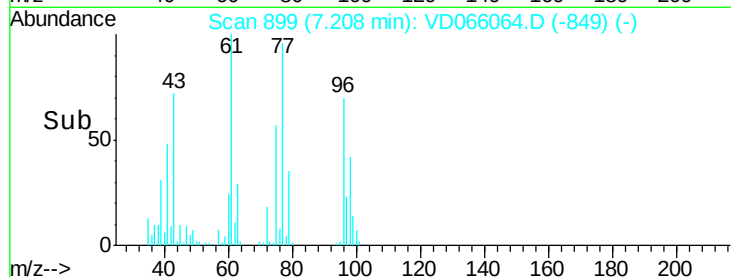
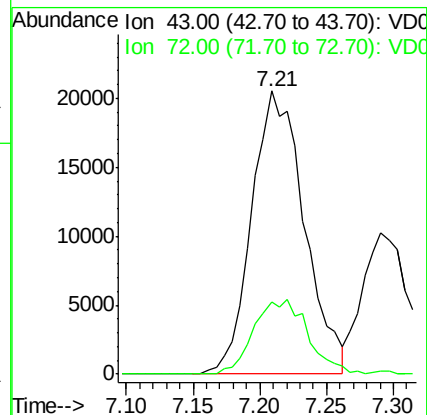
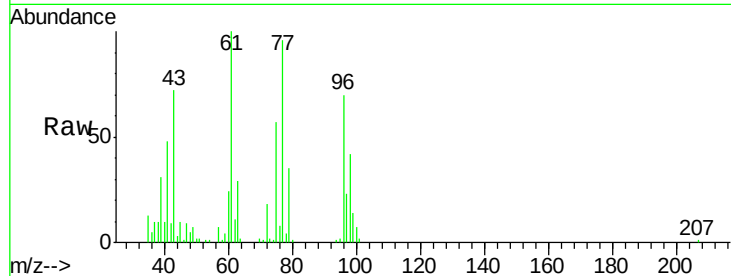
72 25.5 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.753 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066064.D

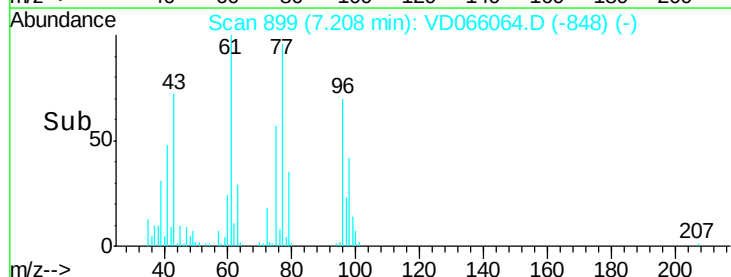
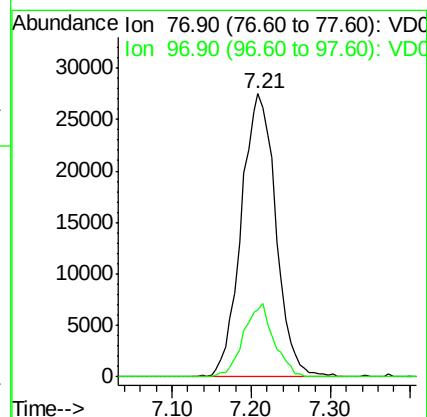
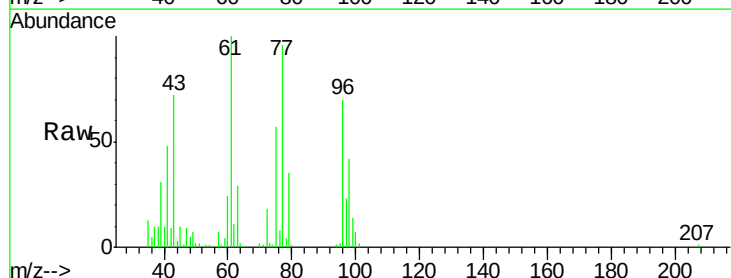
Acq: 27 Jul 2020 13:47

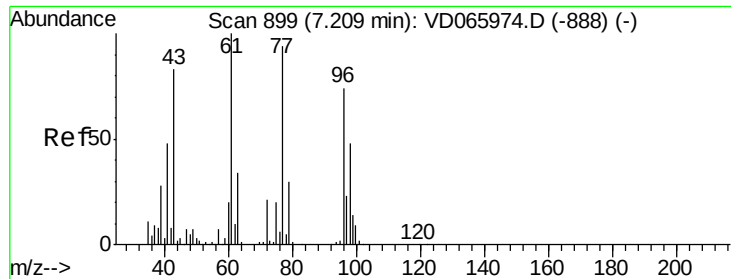
Tgt Ion: 77 Resp: 83270

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





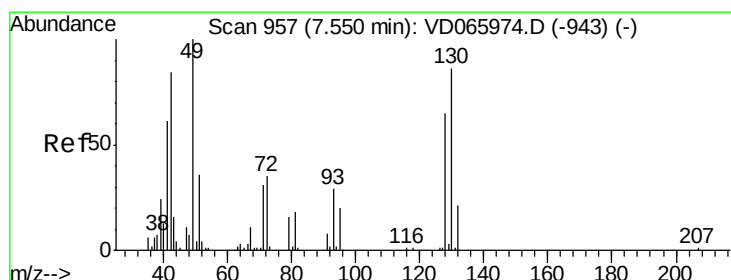
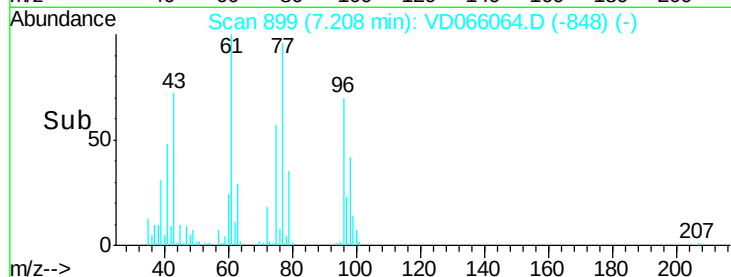
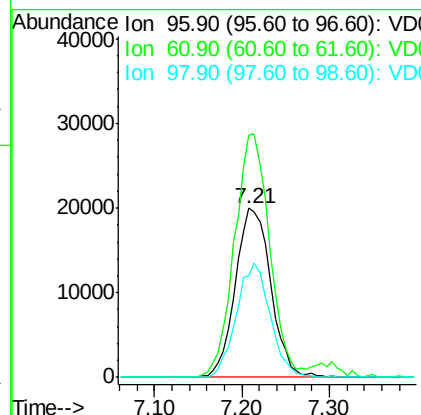
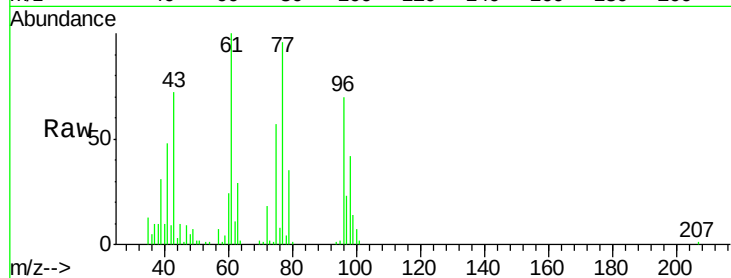
#27
 cis-1,2-Dichloroethene
 Concen: 19.447 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55052		
61	142.5		0.0	276.6
98	64.0		0.0	130.8

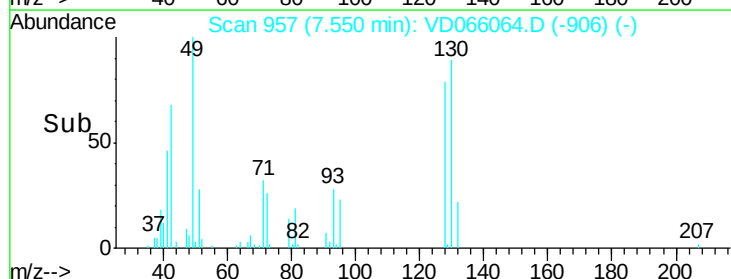
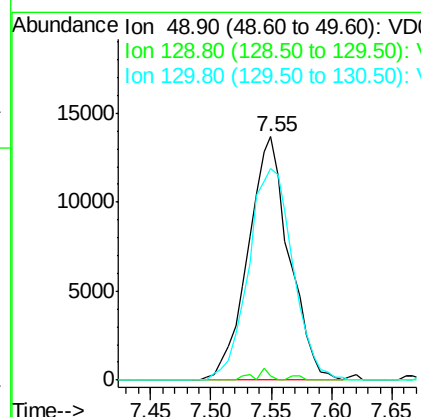
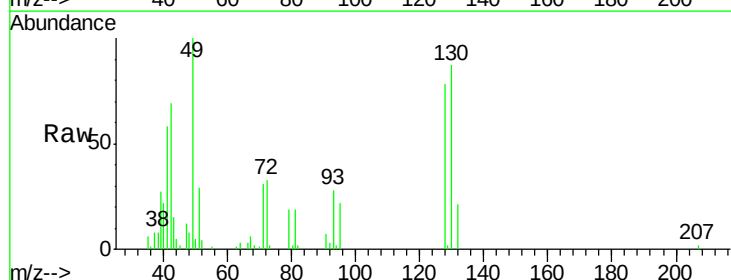
Manual Integrations
 APPROVED

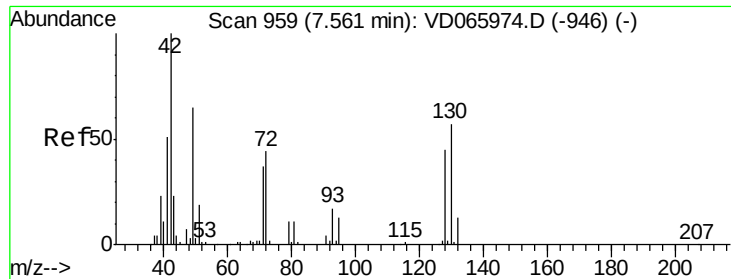
MMDadoda
 7/28/2020 1:44:07 PM



#28
 Bromochloromethane
 Concen: 17.954 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32438		
129	1.5		0.0	4.8
130	93.8		68.4	102.6





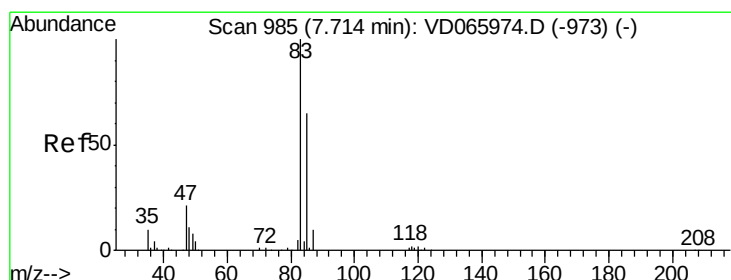
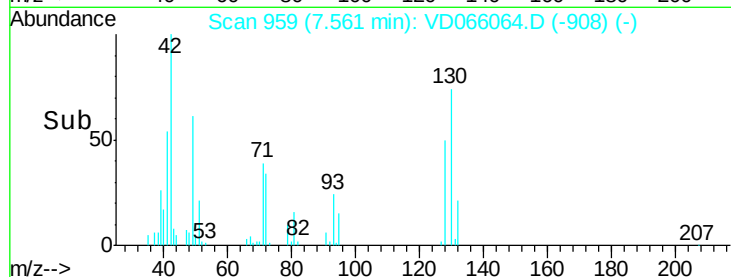
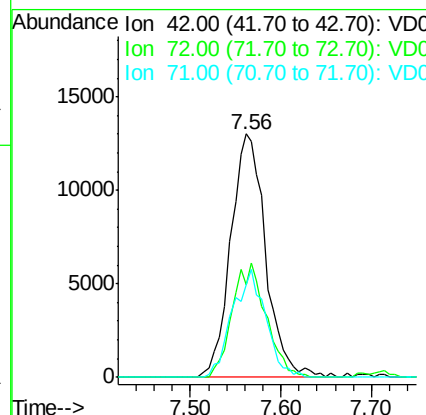
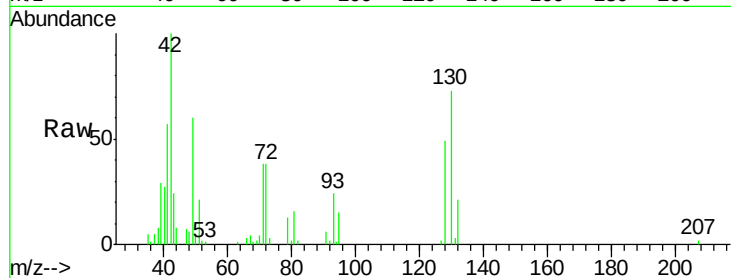
#29
Tetrahydrofuran
Concen: 90.171 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.2	51.2
71	42.1	31.4	47.2

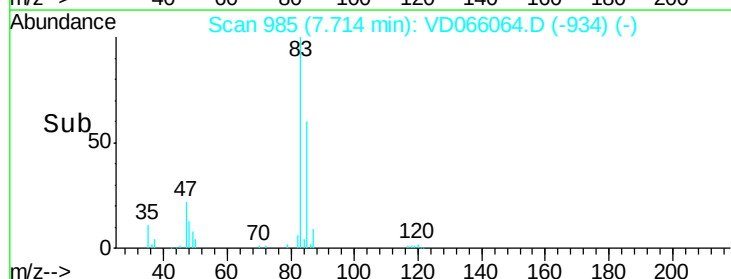
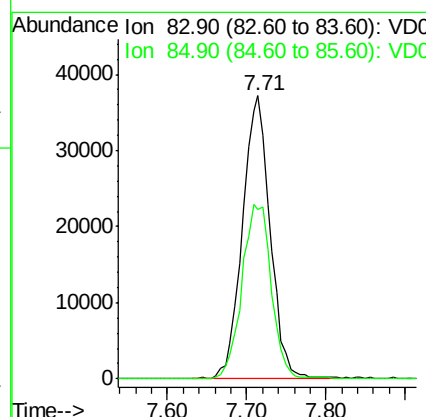
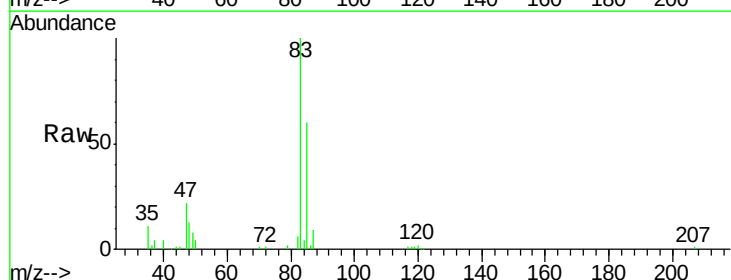
Manual Integrations
APPROVED

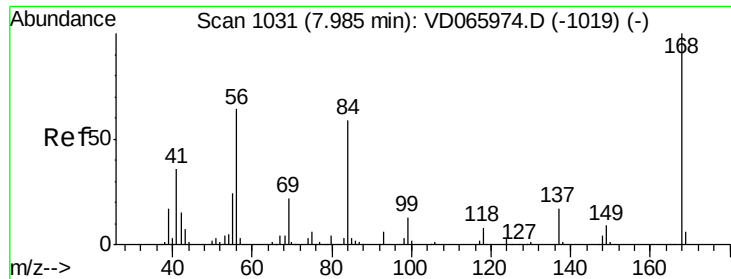
MMDadoda
7/28/2020 1:44:07 PM



#30
Chloroform
Concen: 20.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.1	78.1





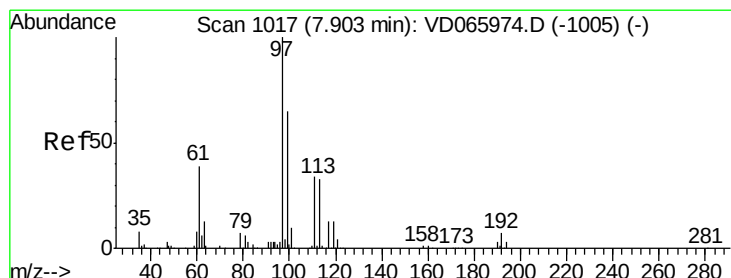
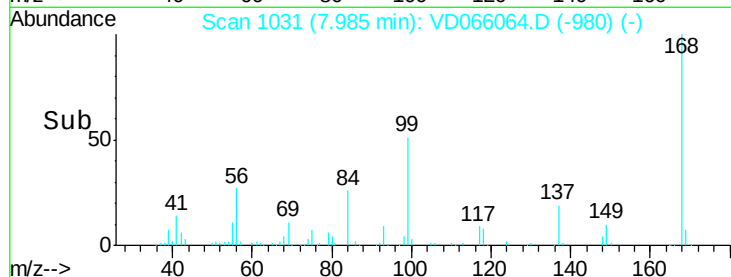
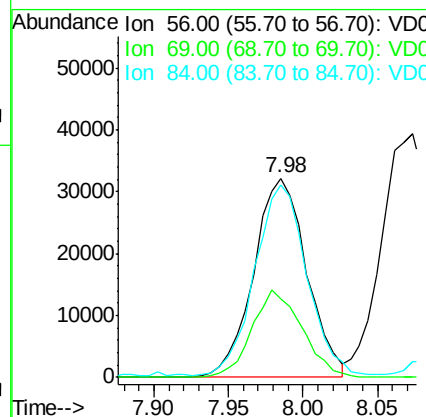
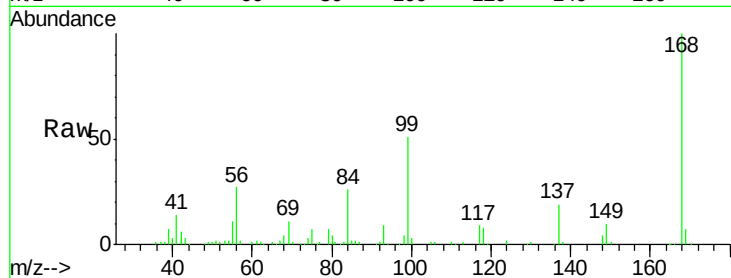
#31
Cyclohexane
Concen: 18.917 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	56	Resp	79222
Ion Ratio	Lower	Upper	
56	100		
69	39.4	28.0	42.0
84	95.8	72.6	109.0

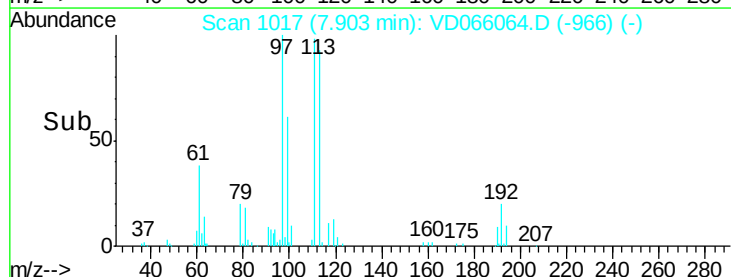
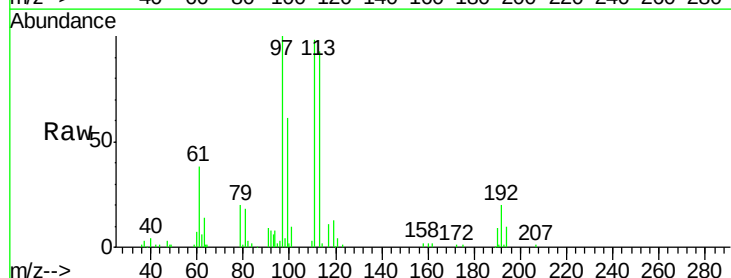
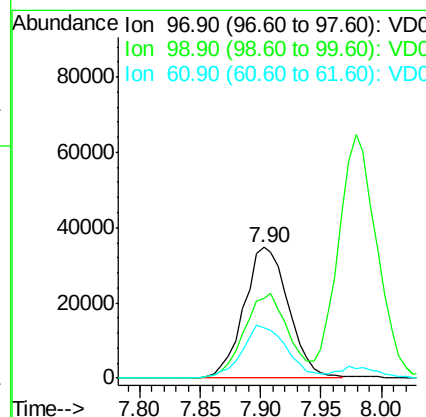
Manual Integrations
APPROVED

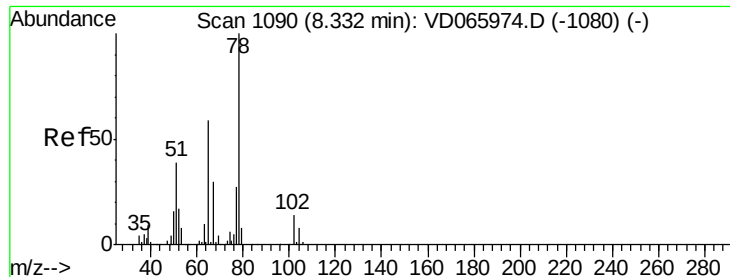
MMDadoda
7/28/2020 1:44:07 PM



#32
1,1,1-Trichloroethane
Concen: 21.698 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	97	Resp	89370
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.8	77.6
61	40.4	33.3	49.9





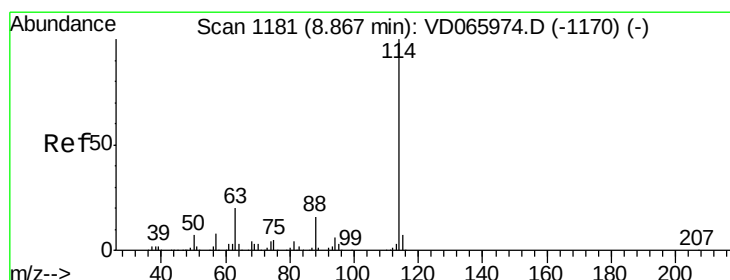
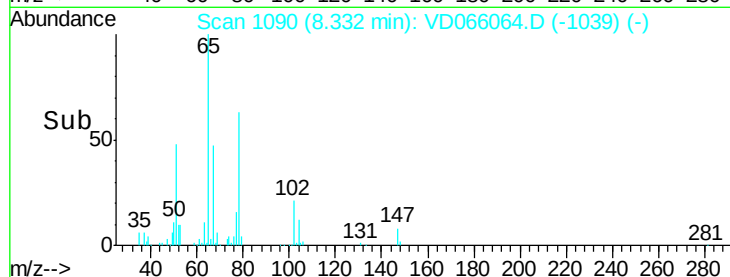
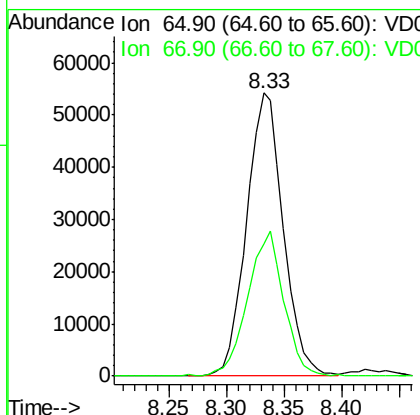
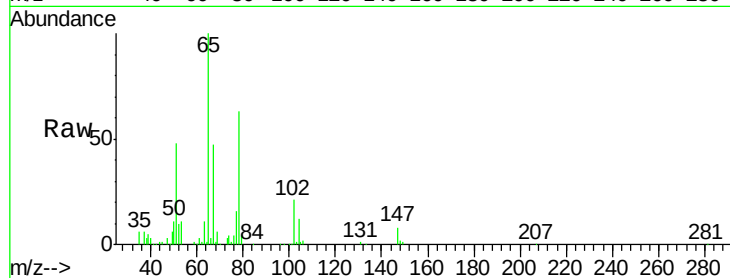
#33
 1,2-Dichloroethane-d4
 Concen: 51.566 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	105.0	

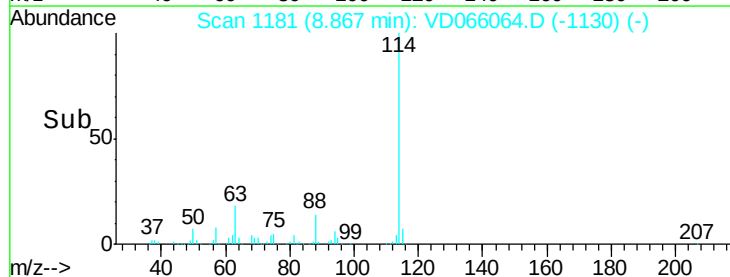
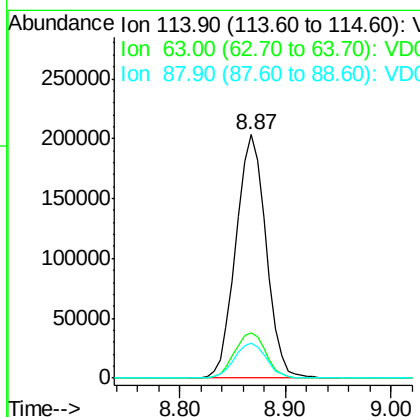
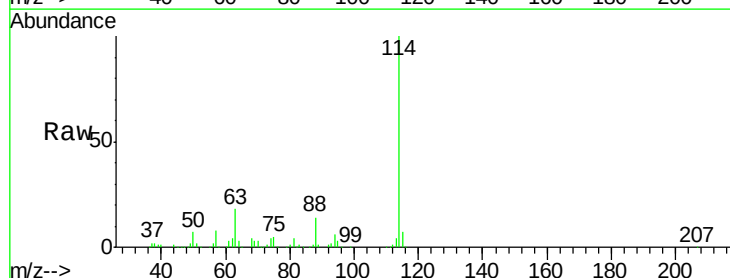
Manual Integrations
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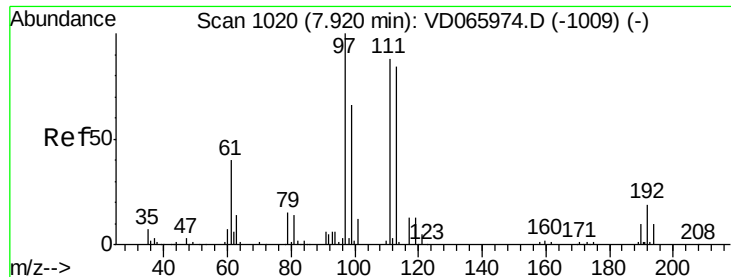
MMDadoda
 7/28/2020 1:44:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	39.6	
88	14.3	0.0	31.2	





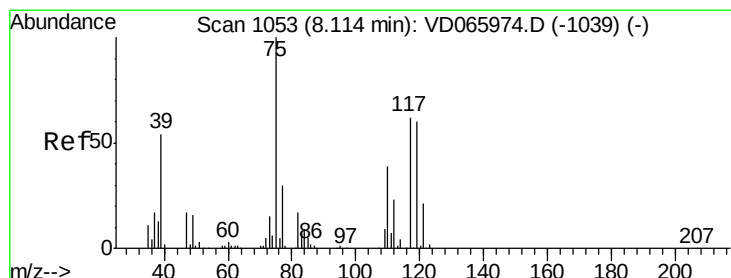
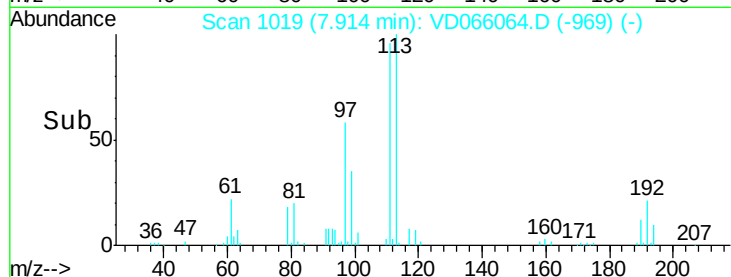
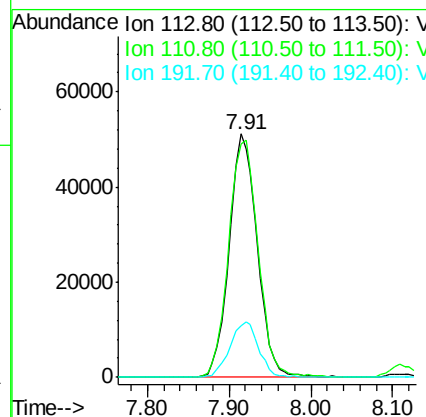
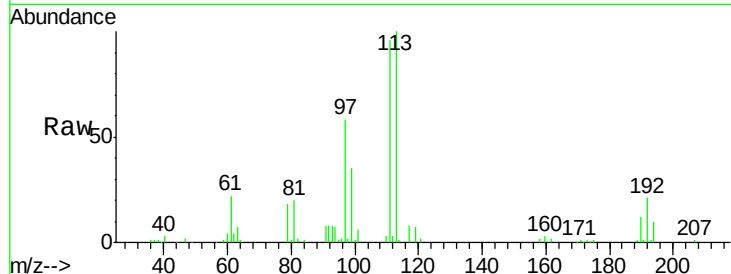
#35
 Dibromofluoromethane
 Concen: 49.902 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121998		
111	102.8	83.2	124.8	
192	23.4	18.7	28.1	

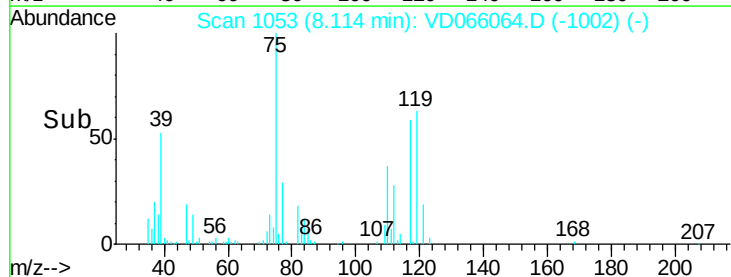
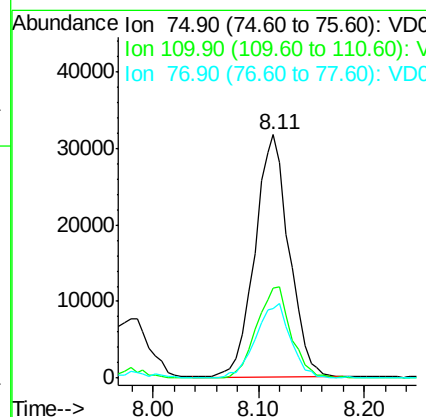
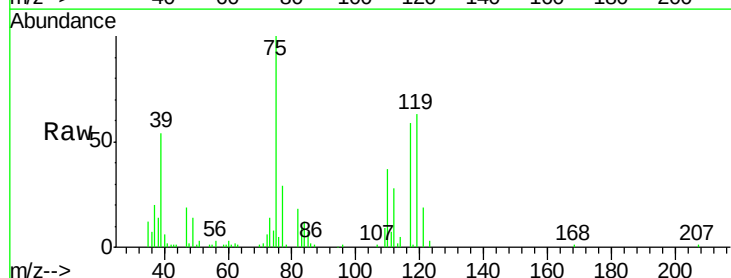
Manual Integrations
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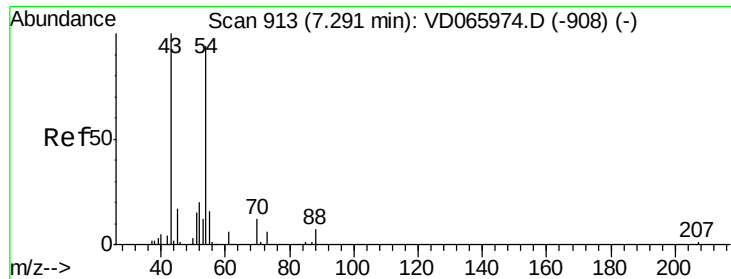
MMDadoda
 7/28/2020 1:44:07 PM



#36
 1,1-Dichloropropene
 Concen: 20.755 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71397		
110	37.6	19.5	58.5	
77	31.1	24.7	37.1	





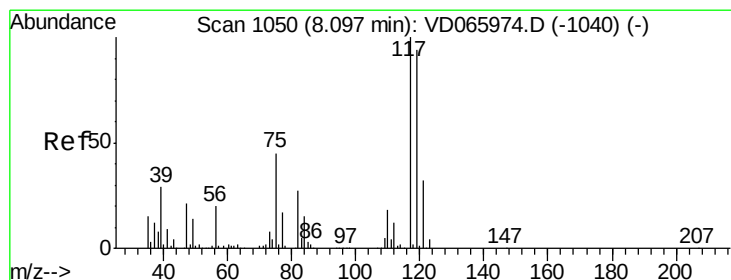
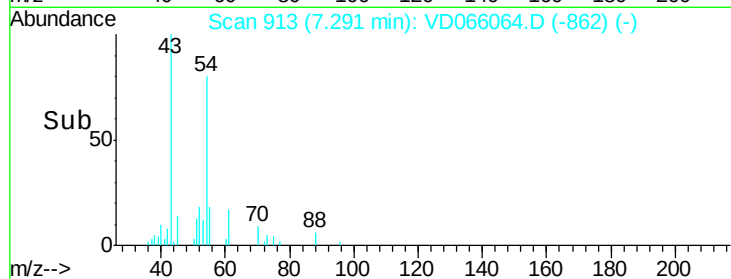
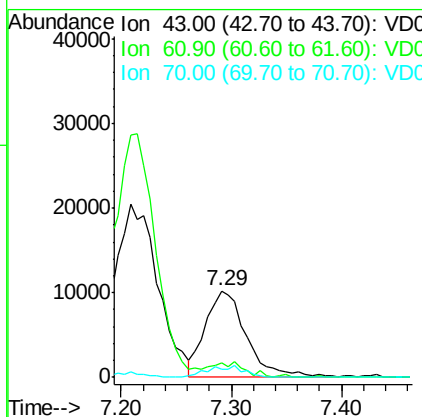
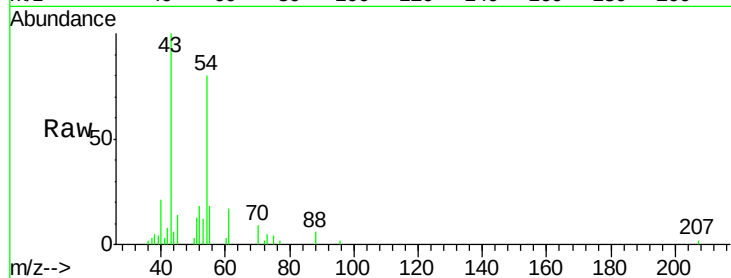
#37
Ethyl Acetate
Concen: 20.037 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	11.6	9.3	13.9

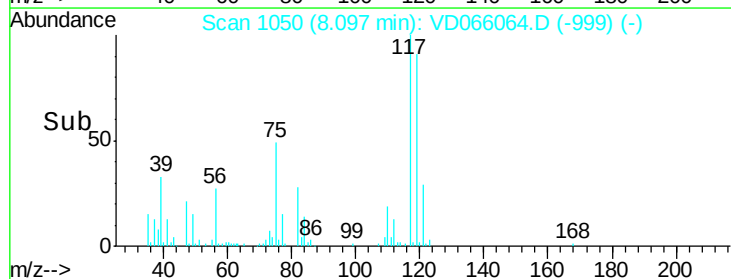
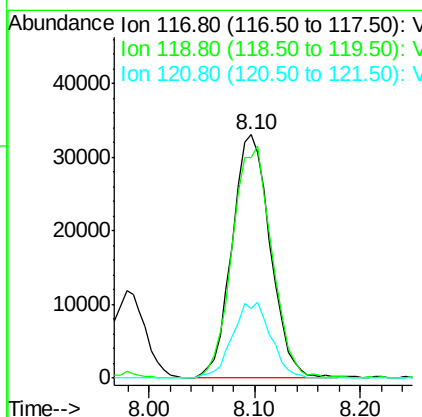
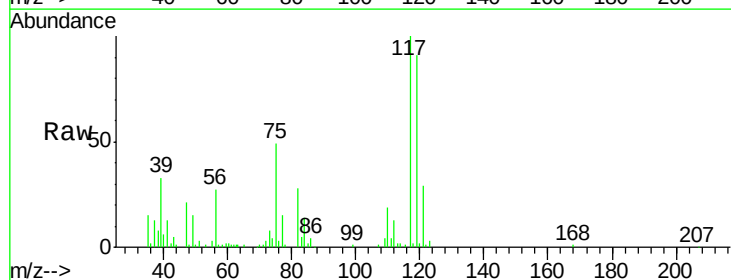
Manual Integrations
APPROVED

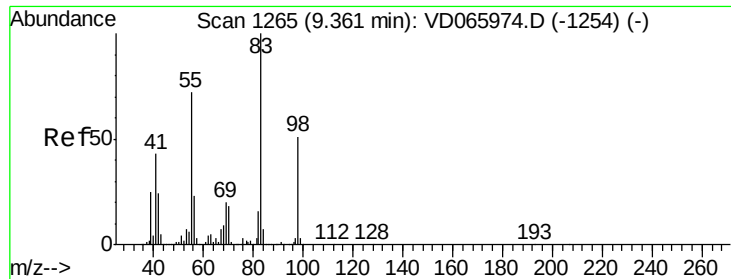
MMDadoda
7/28/2020 1:44:07 PM



#38
Carbon Tetrachloride
Concen: 22.300 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.0	112.6
121	28.7	25.5	38.3





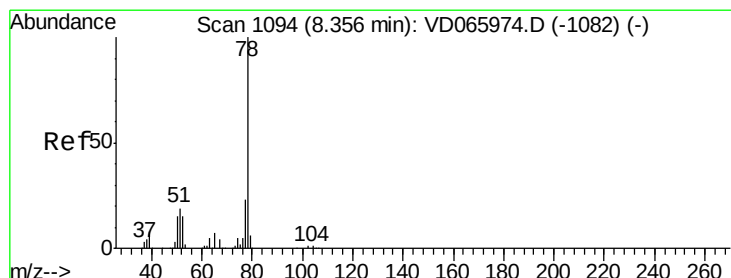
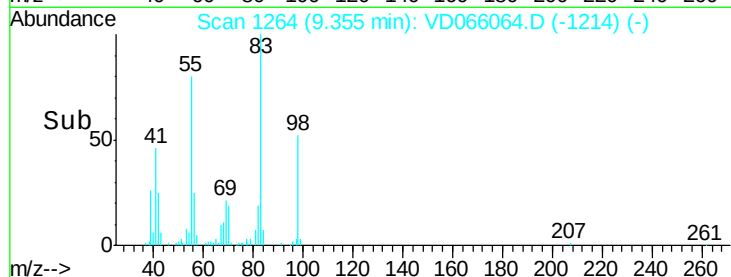
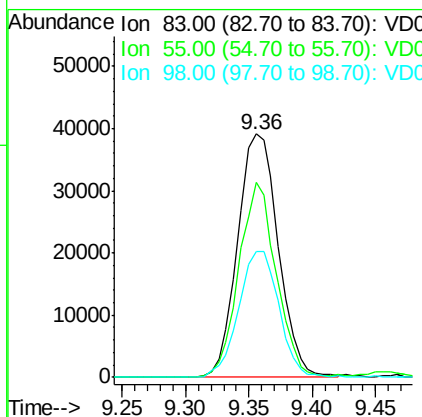
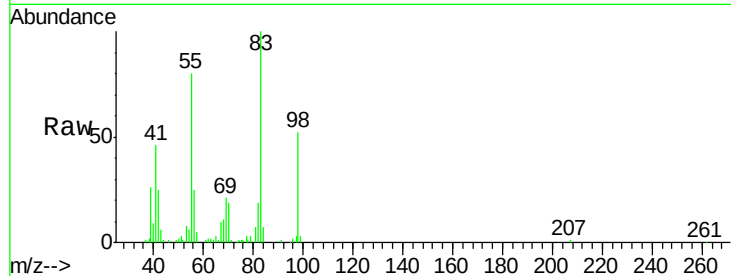
#39
Methylvlcyclohexane
Concen: 20.936 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	57.3	85.9
98	51.6	41.0	61.6

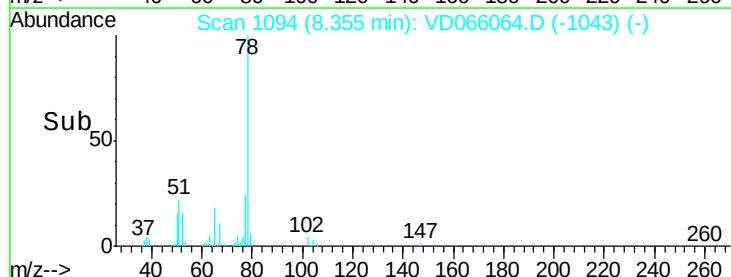
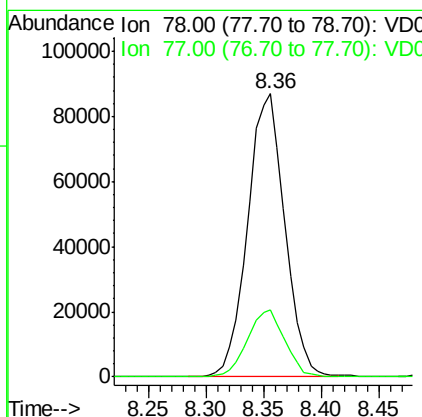
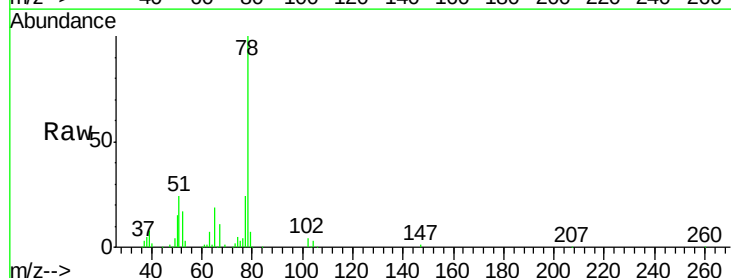
Manual Integrations
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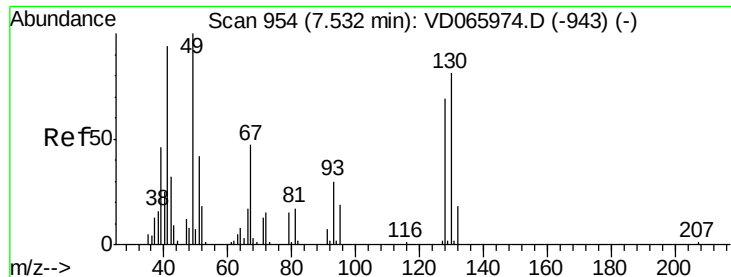
MMDadoda
7/28/2020 1:44:07 PM



#40
Benzene
Concen: 20.278 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





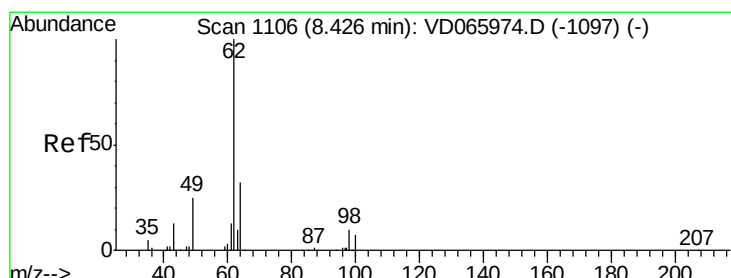
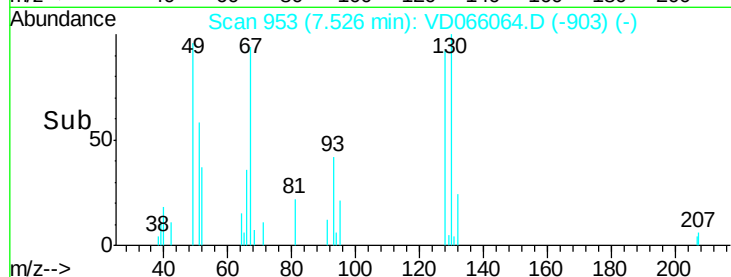
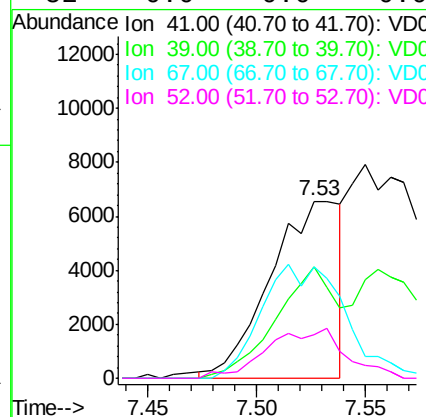
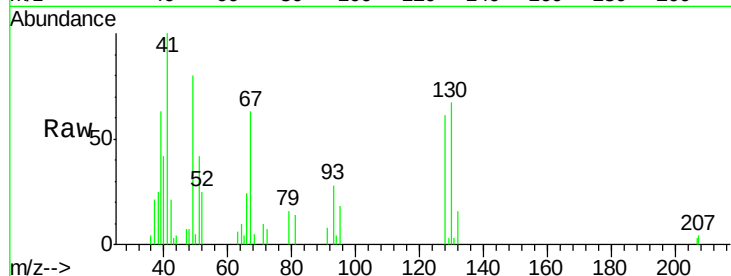
#41
Methacrylonitrile
Concen: 19.701 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	41	Resp	14827
Ion	Ratio	Lower	Upper
41	100		
39	60.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

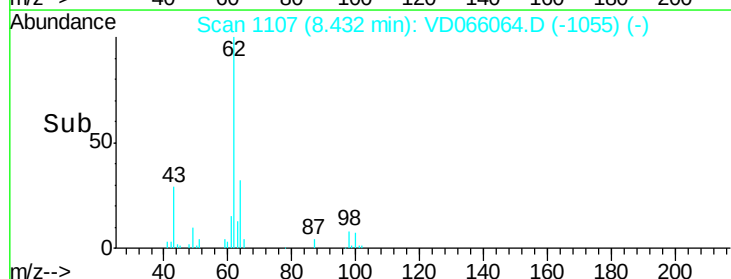
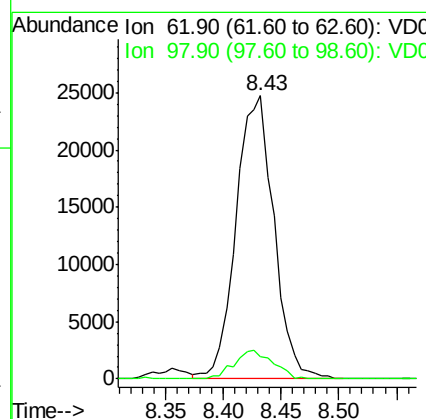
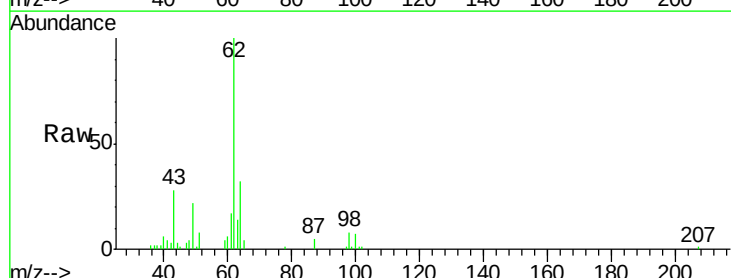
Manual Integrations
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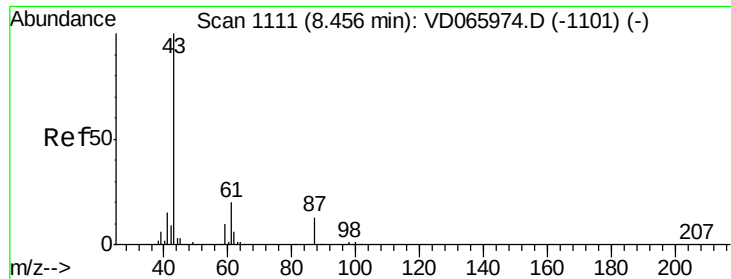
MMDadoda
7/28/2020 1:44:07 PM



#42
1,2-Dichloroethane
Concen: 21.329 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	62	Resp	56248
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





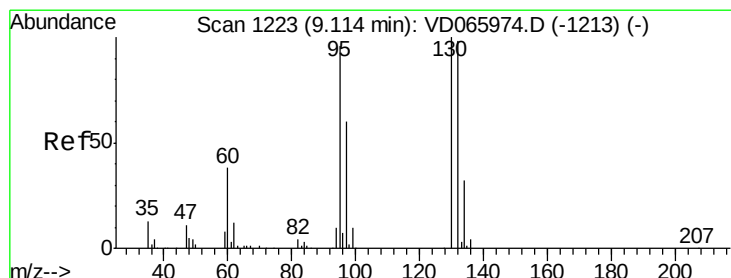
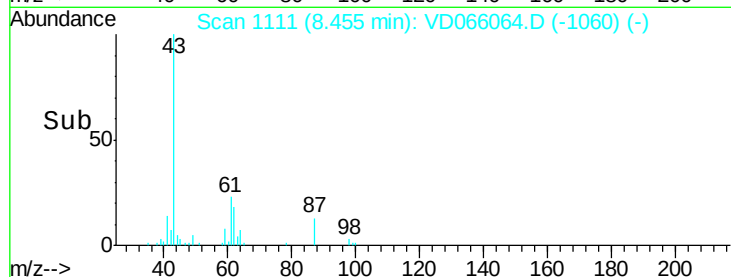
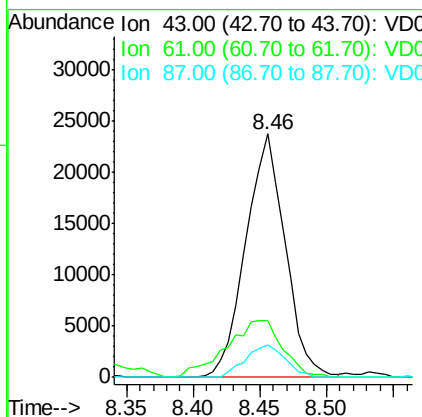
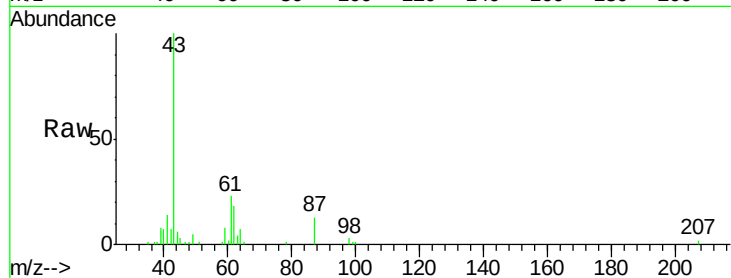
#43
Isopropyl Acetate
Concen: 18.925 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.8	38.8
87	13.3	10.9	16.3

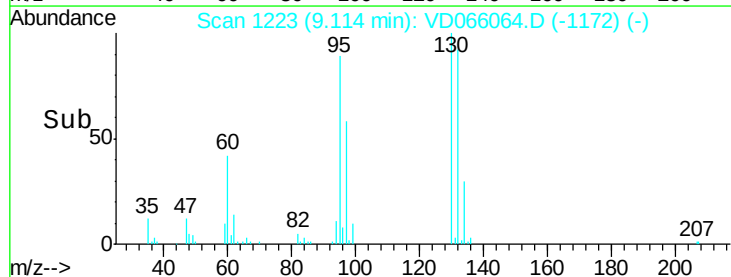
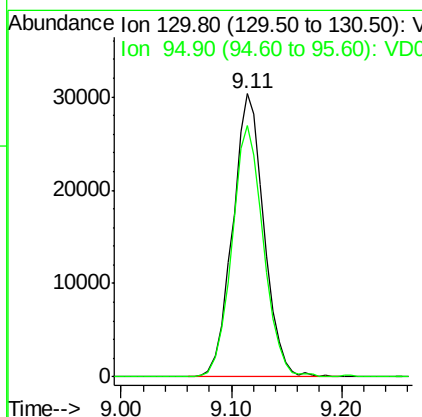
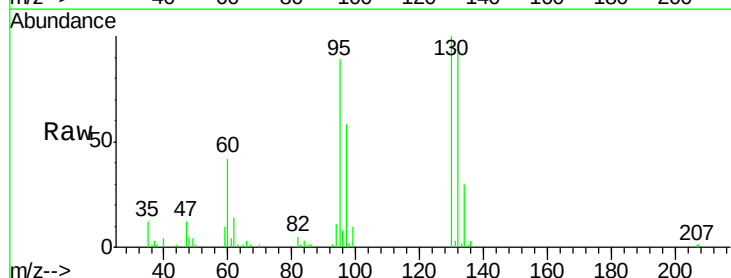
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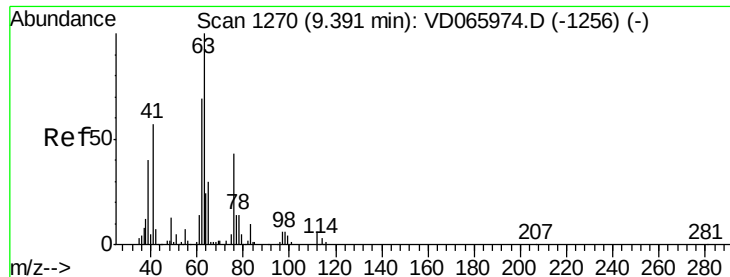
MMDadoda
7/28/2020 1:44:07 PM



#44
Trichloroethene
Concen: 20.680 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	191.6





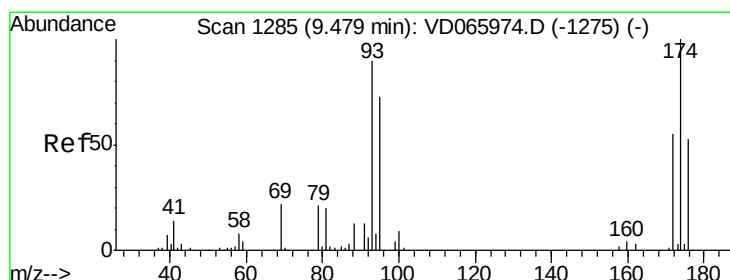
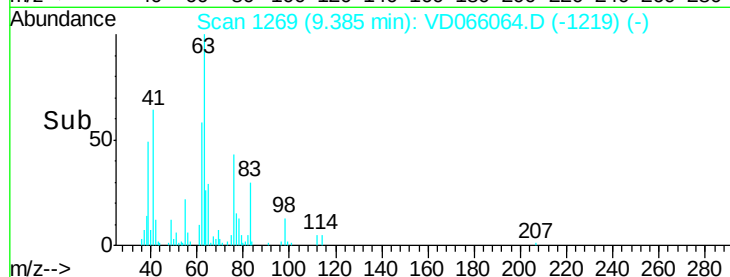
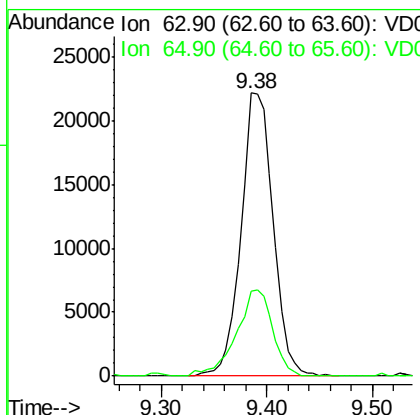
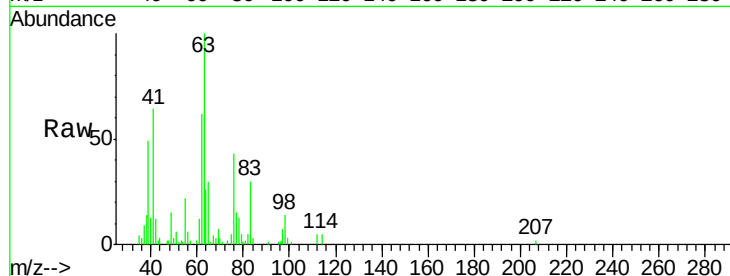
#45
 1,2-Dichloropropane
 Concen: 20.043 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion: 63 Resp: 46717
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0

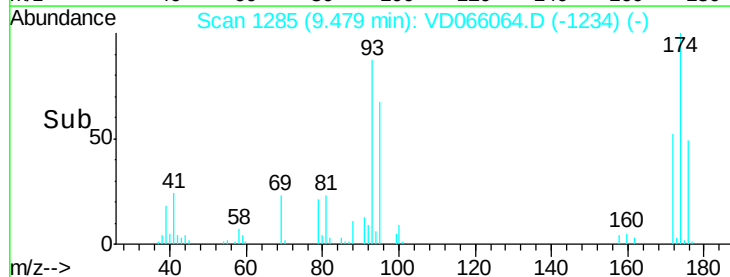
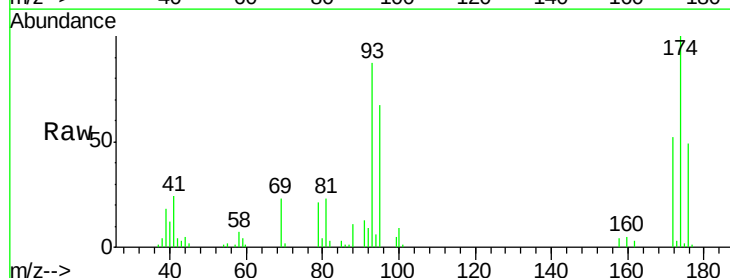
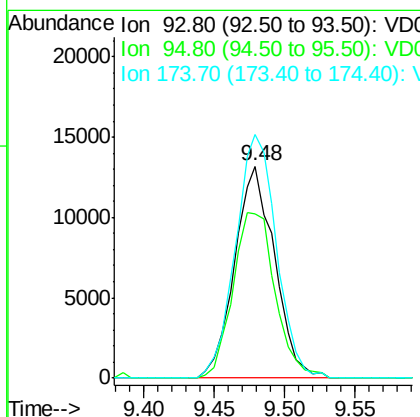
Manual Integrations
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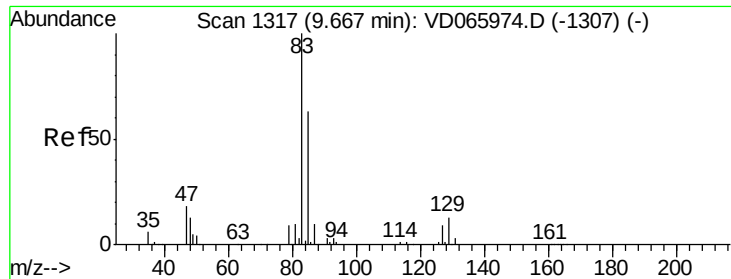
MMDadoda
 7/28/2020 1:44:07 PM



#46
 Dibromomethane
 Concen: 20.796 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion: 93 Resp: 26094
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.4
 174 117.5 91.5 137.3





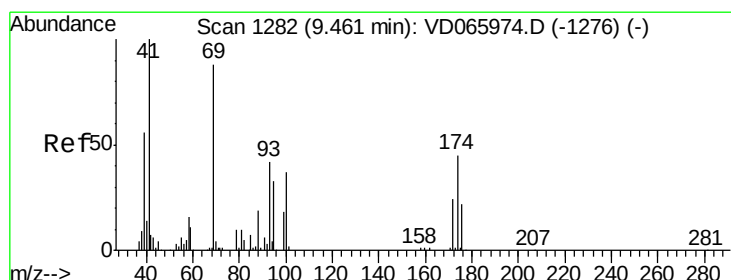
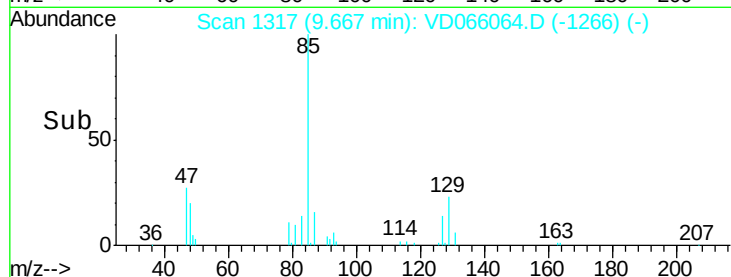
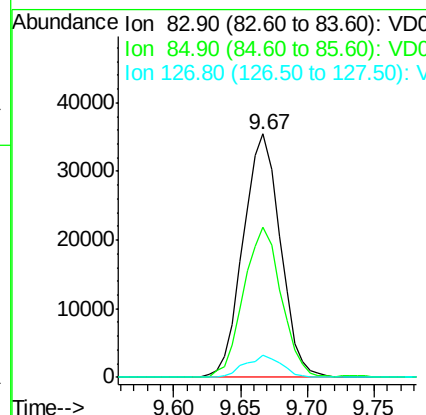
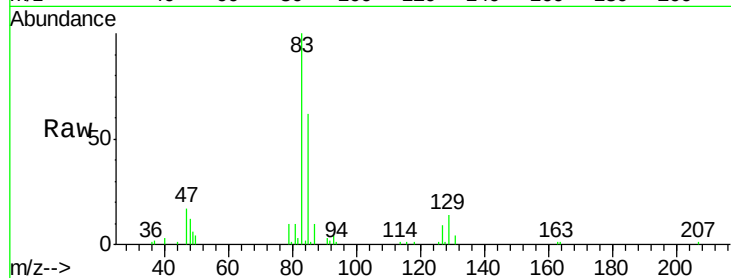
#47
Bromodichloromethane
Concen: 20.691 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.6	75.8
127	8.9	7.1	10.7

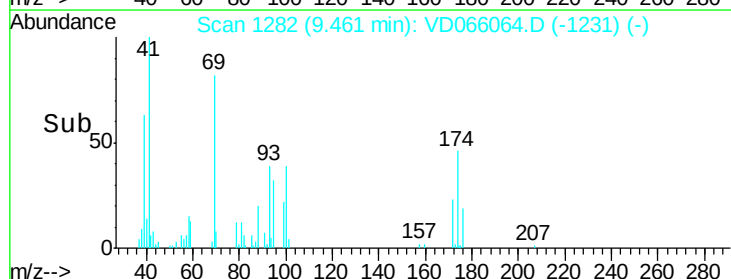
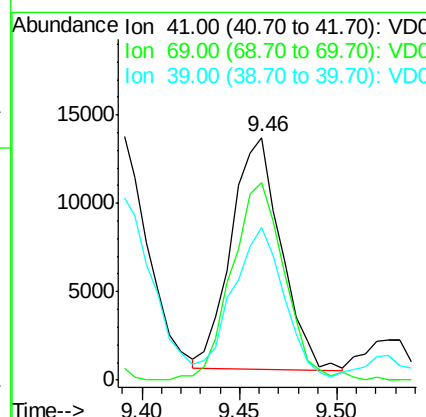
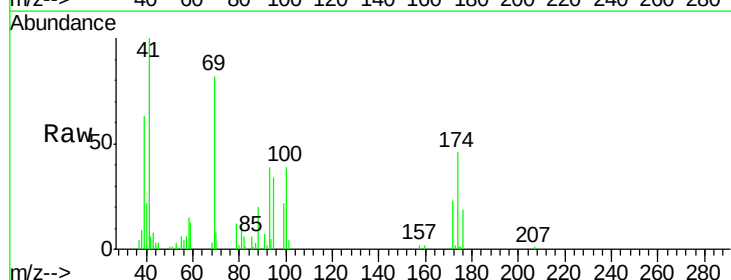
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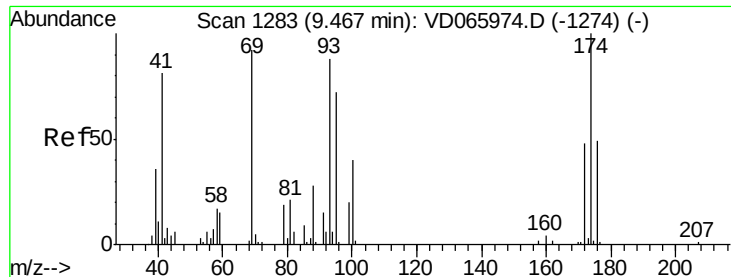
MMDadoda
7/28/2020 1:44:07 PM



#48
Methyl methacrylate
Concen: 17.891 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.6	65.1	97.7
39	66.0	41.5	62.3





#49

1,4-Dioxane

Concen: 400.835 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

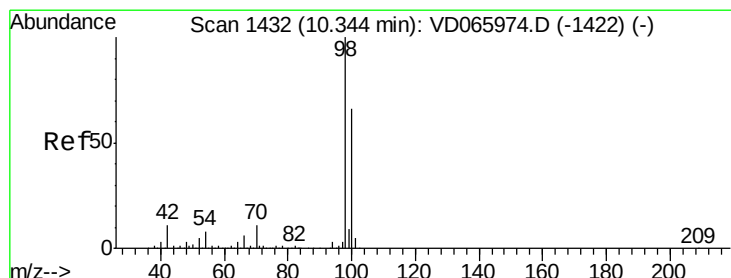
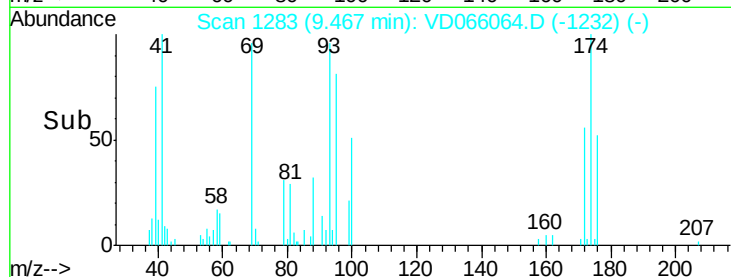
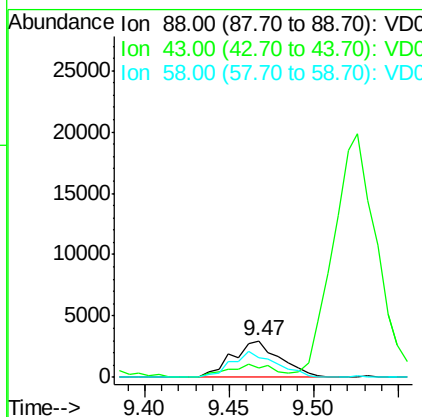
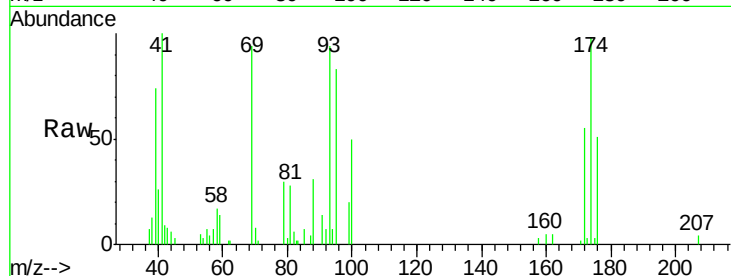
ClientSampleId :

VD0727SBS01

Tot Ion:	88	Resp:	5827
Ion	Ratio	Lower	Upper
88	100		
43	35.0	29.0	43.6
58	66.0	57.0	85.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.649 ug/l

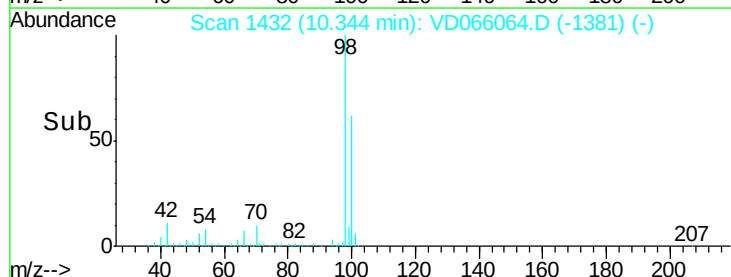
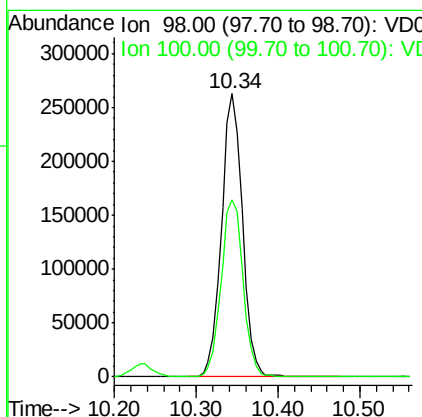
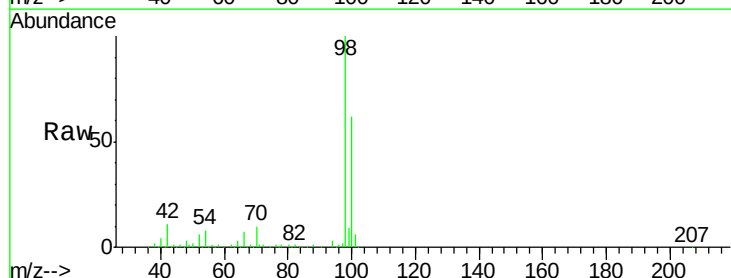
RT: 10.34 min Scan# 1432

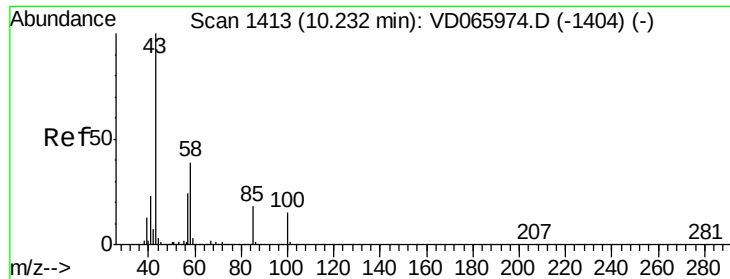
Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion:	98	Resp:	470382
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





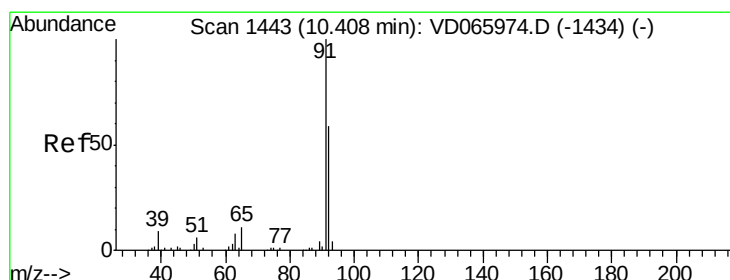
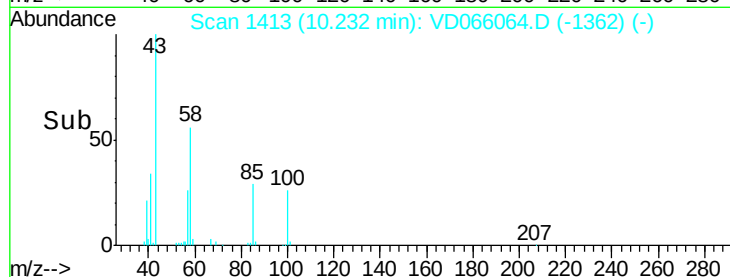
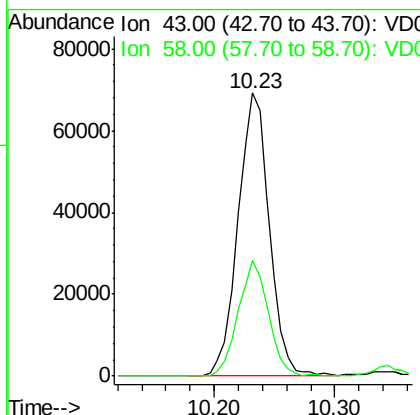
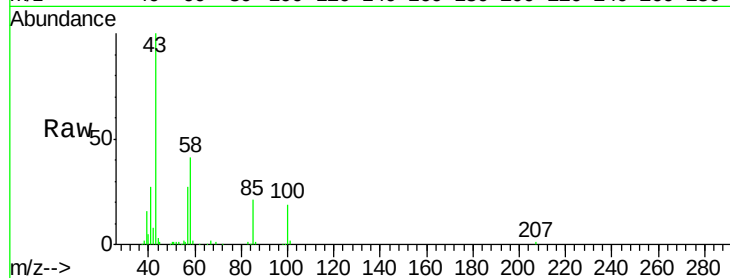
#51
4-Methyl-2-Pentanone
Concen: 96.703 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.3	46.9

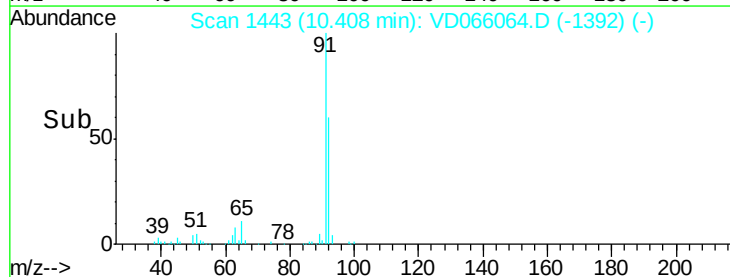
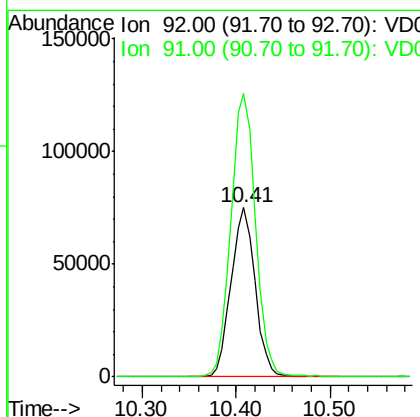
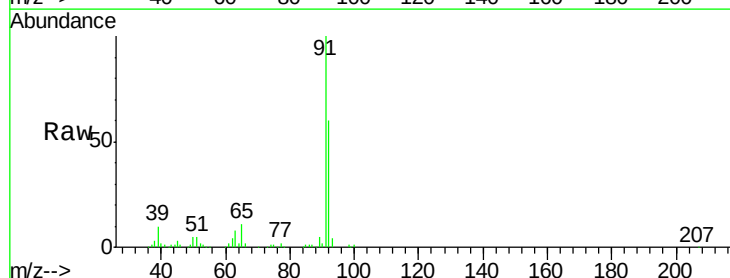
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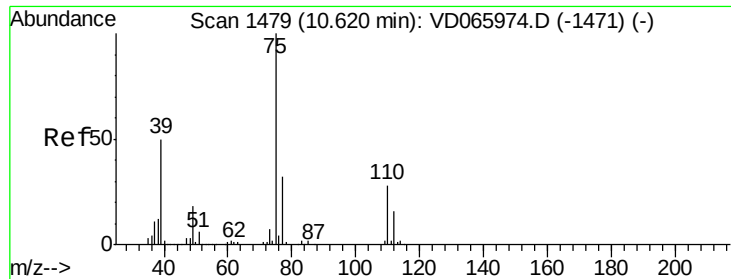
MMDadoda
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#52
Toluene
Concen: 21.363 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	134.5	201.7





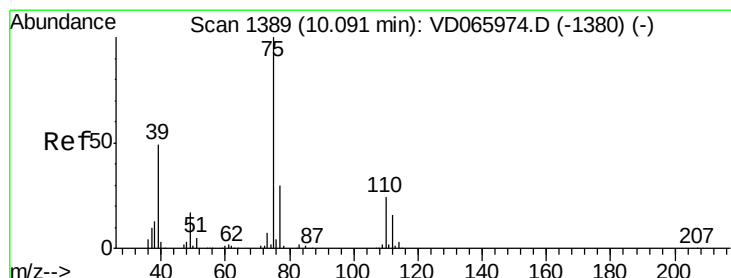
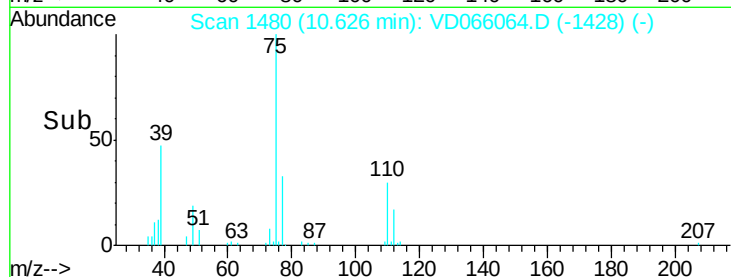
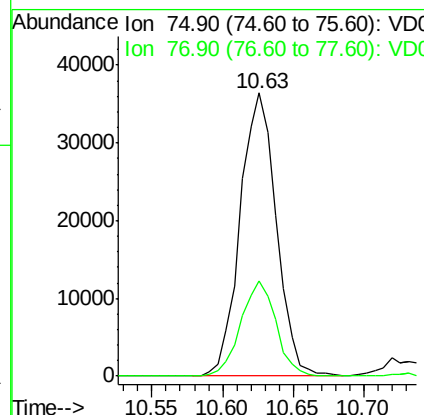
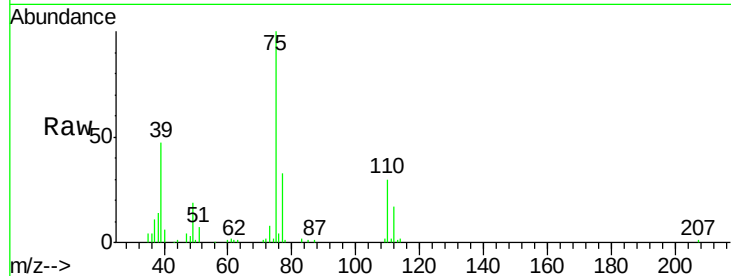
#53
 t-1,3-Dichloropropene
 Concen: 21.114 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion: 75 Resp: 65261
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.6

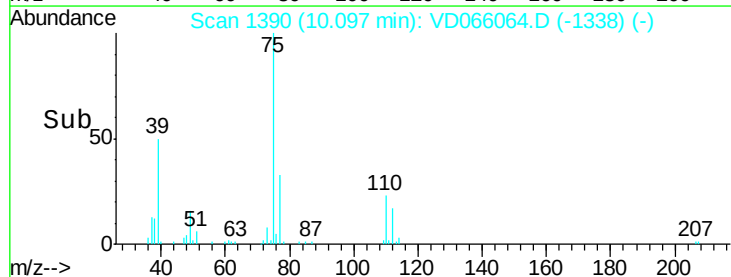
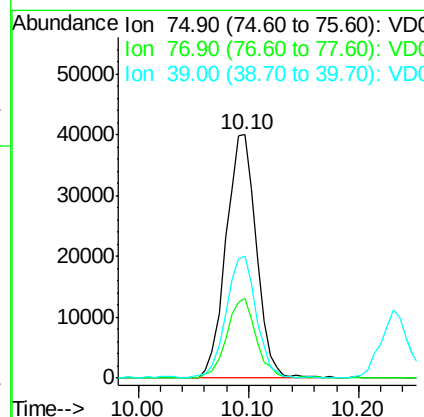
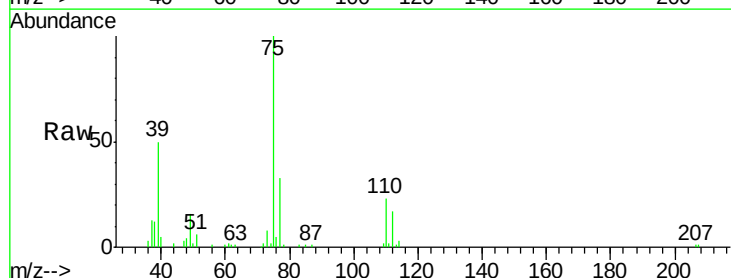
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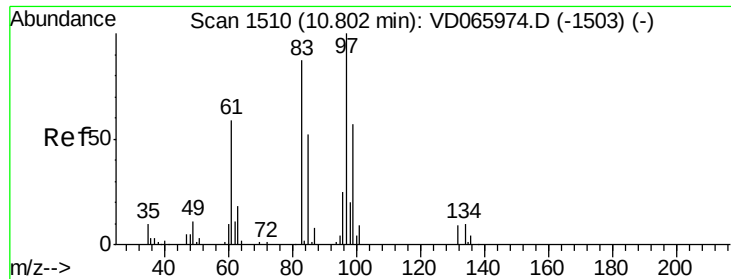
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.522 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion: 75 Resp: 76892
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.8 35.8
 39 50.3 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 20.496 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 97 Resp: 36475

Ion Ratio Lower Upper

97 100

83 75.3 69.7 104.5

85 53.0 41.6 62.4

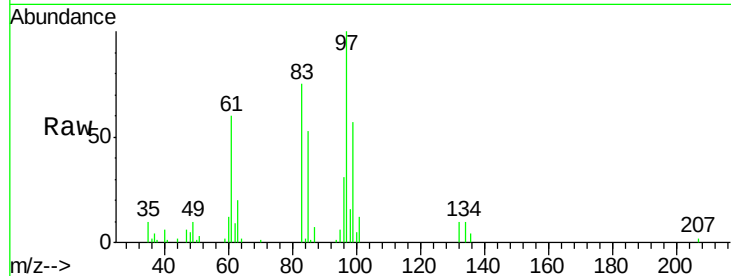
99 56.9 45.9 68.9

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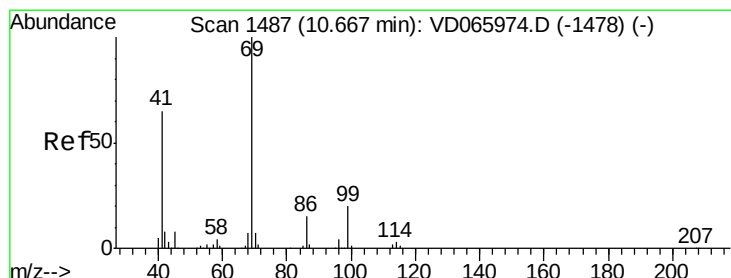
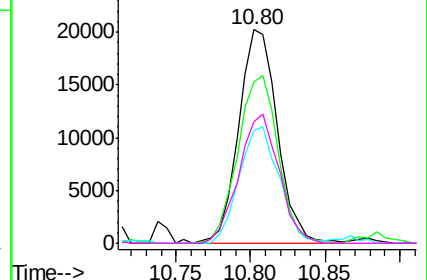
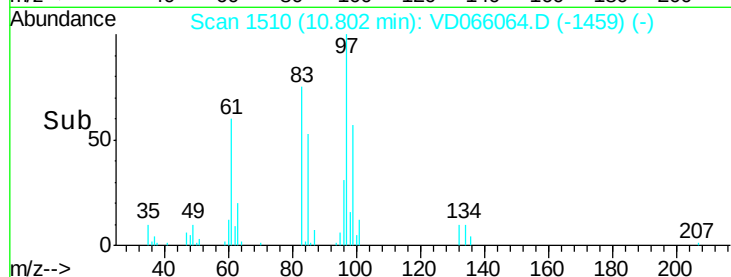


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.029 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

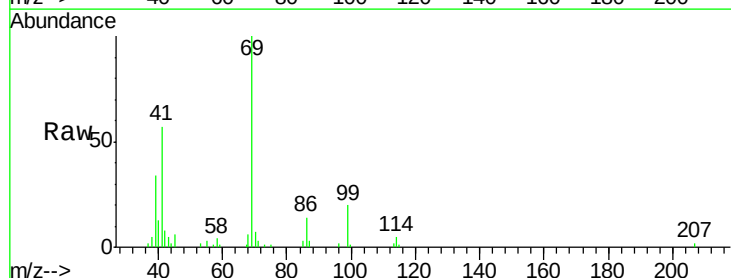
Tgt Ion: 69 Resp: 43510

Ion Ratio Lower Upper

69 100

41 65.6 52.3 78.5

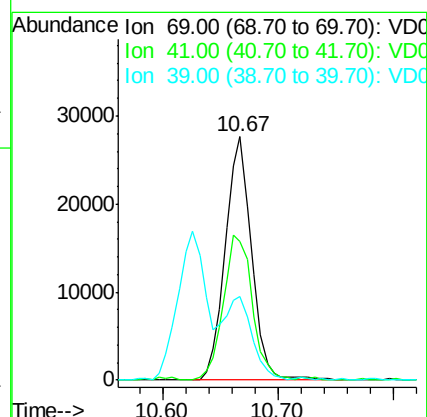
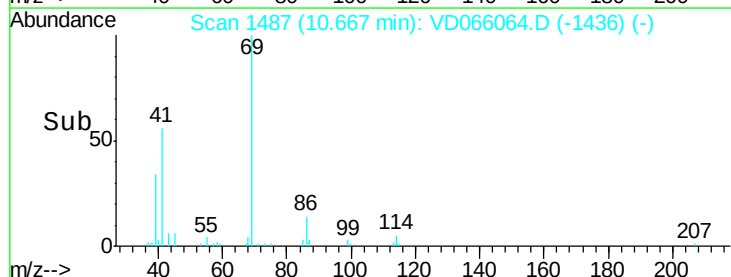
39 33.6 25.2 37.8

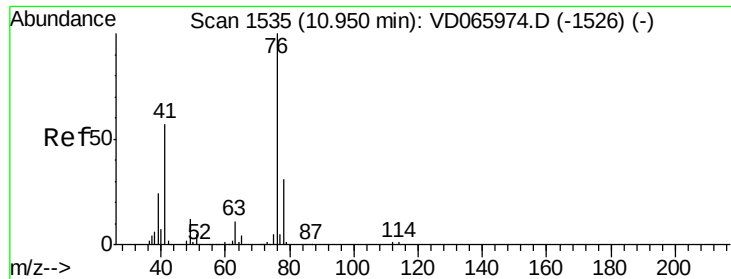


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





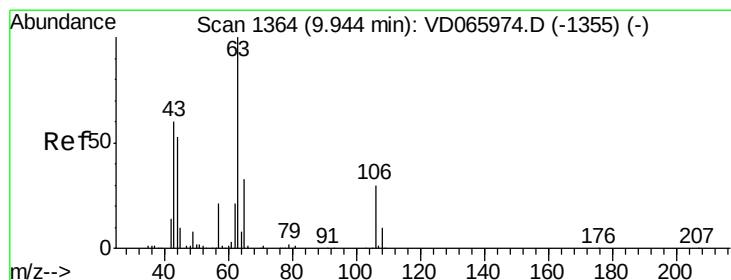
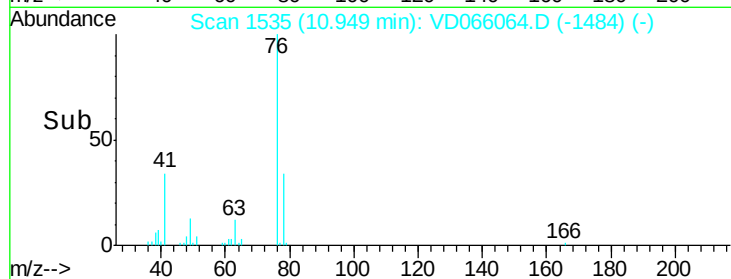
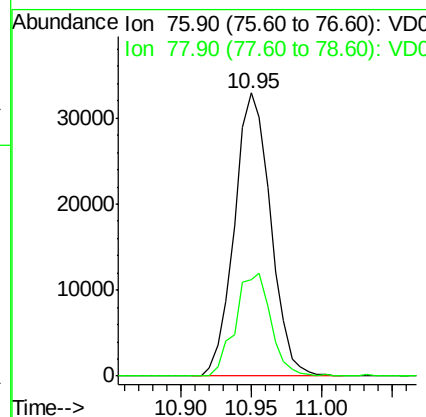
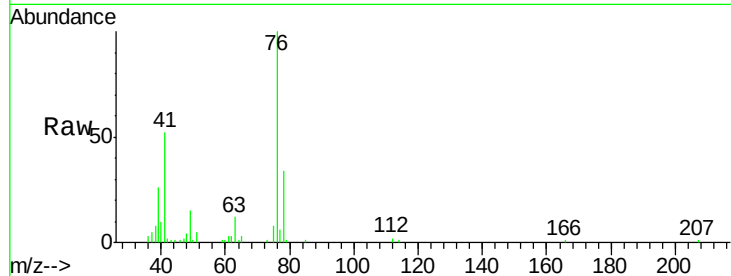
#57
 1,3-Dichloropropane
 Concen: 20.045 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion: 76 Resp: 59052
 Ion Ratio Lower Upper
 76 100
 78 35.5 25.6 38.4

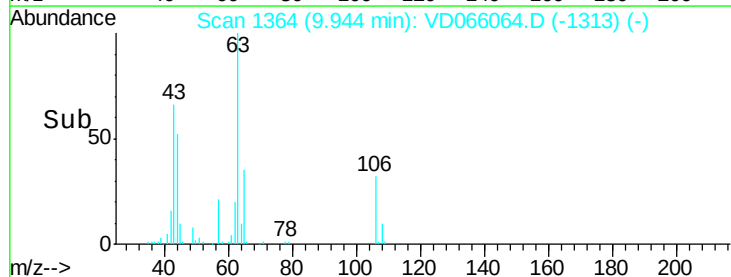
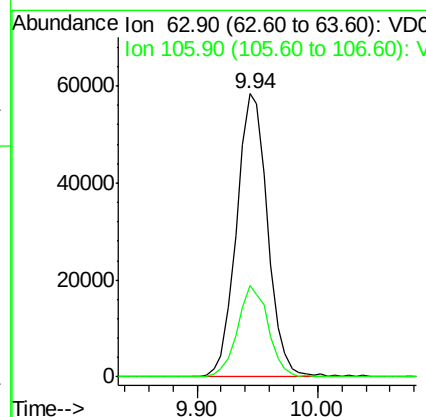
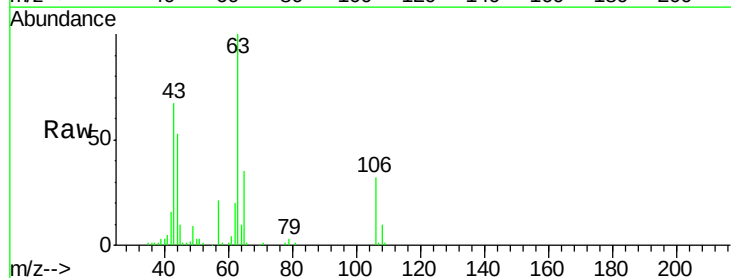
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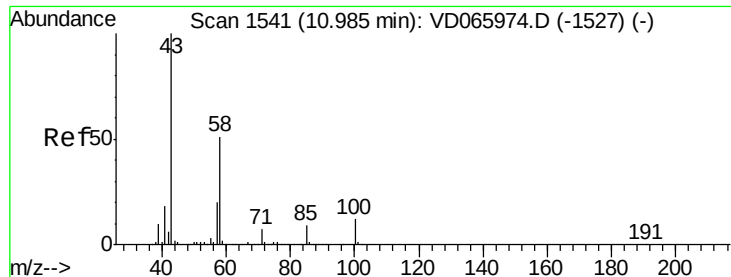
MMDadoda
 7/28/2020 1:44:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.068 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion: 63 Resp: 104836
 Ion Ratio Lower Upper
 63 100
 106 32.0 24.4 36.6





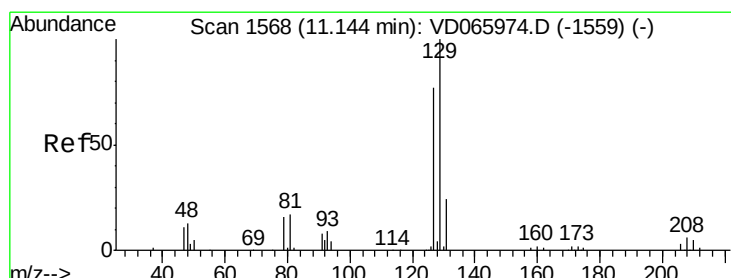
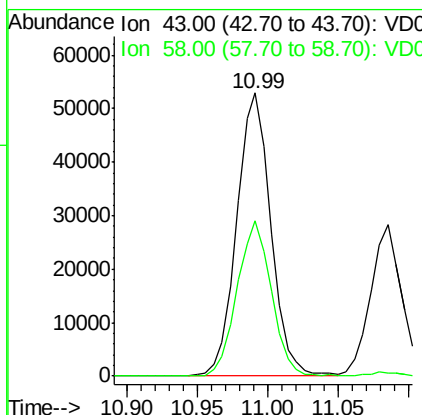
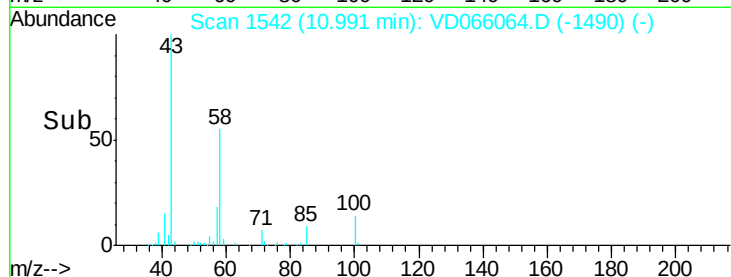
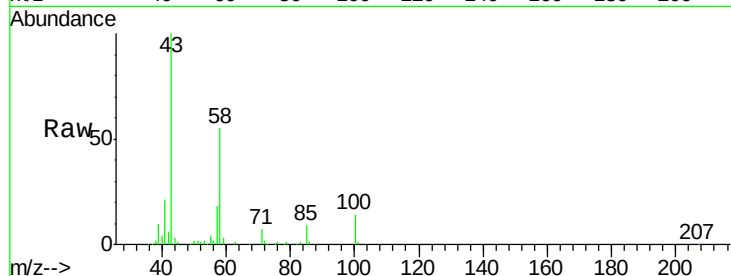
#59
2-Hexanone
Concen: 99.900 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 43 Resp: 89504
Ion Ratio Lower Upper
43 100
58 55.0 26.2 78.6

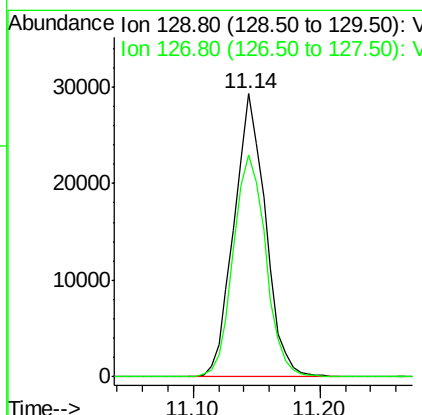
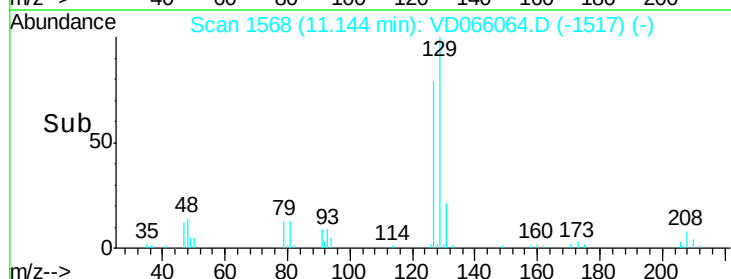
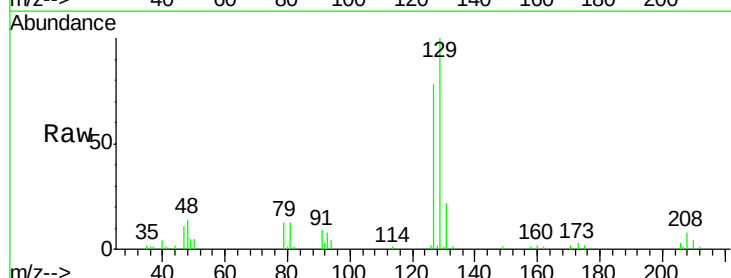
Manual Integrations
APPROVED

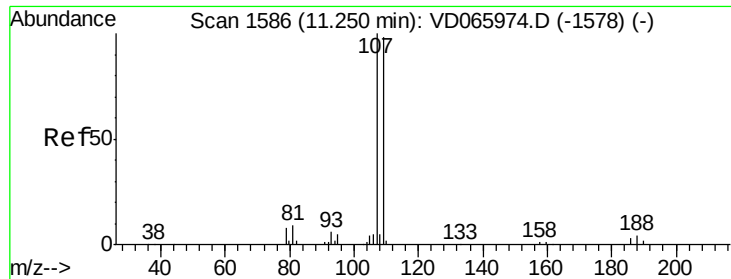
MMDadoda
7/28/2020 1:44:07 PM



#60
Dibromochloromethane
Concen: 21.089 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion: 129 Resp: 50601
Ion Ratio Lower Upper
129 100
127 80.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.299 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 107 Resp: 36546

Ion Ratio Lower Upper

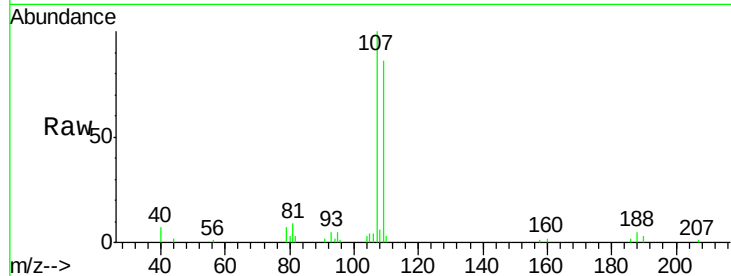
107 100

109 90.5 75.0 112.4

Manual Integrations
APPROVED

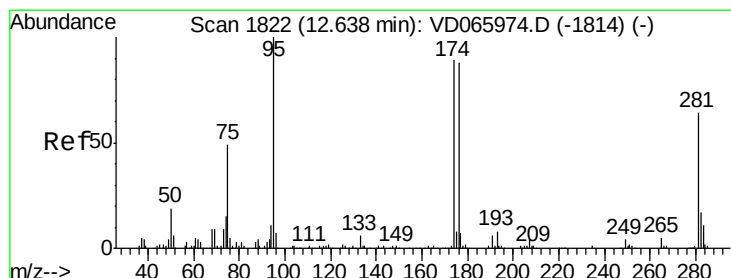
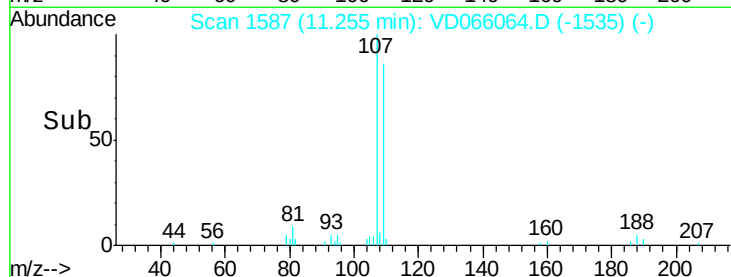
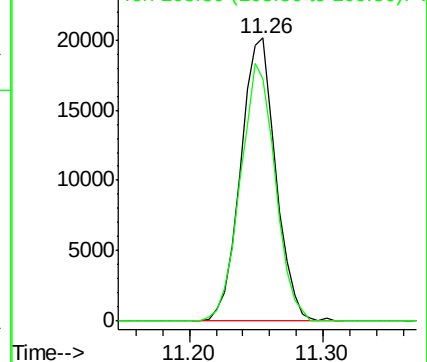
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.216 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

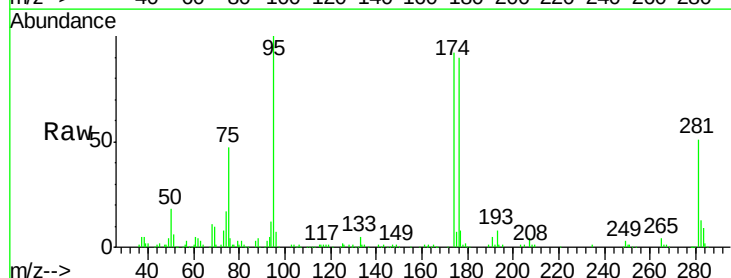
Tgt Ion: 95 Resp: 161733

Ion Ratio Lower Upper

95 100

174 96.1 0.0 178.8

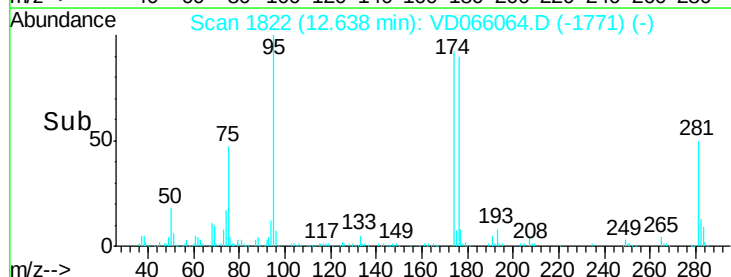
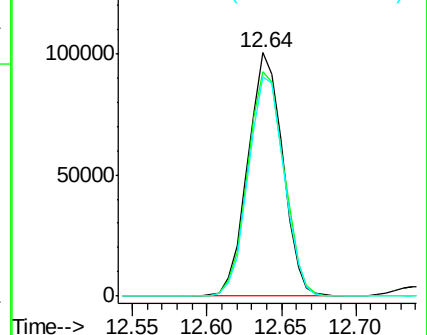
176 92.4 0.0 172.6

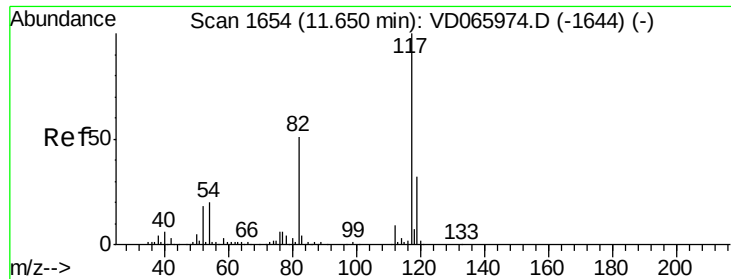


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





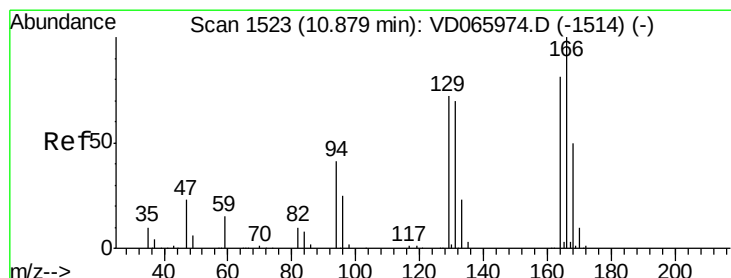
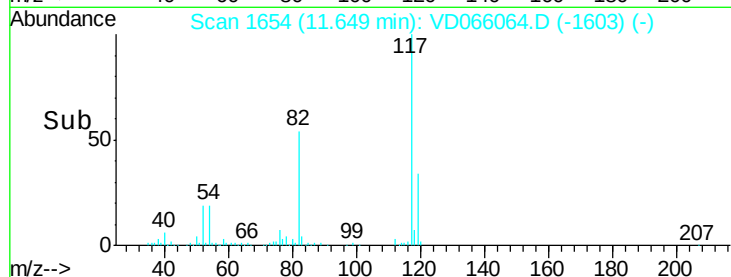
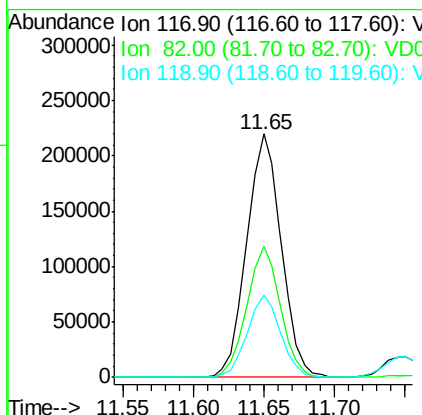
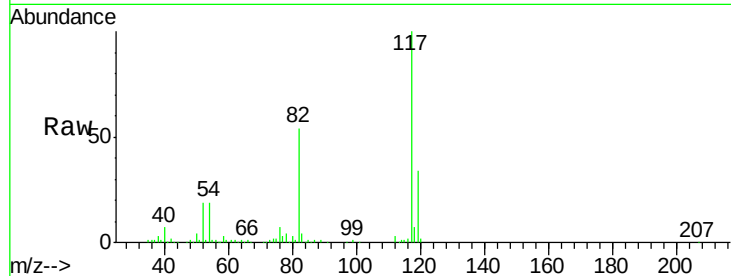
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	377112		
82	54.0		41.1	61.7
119	34.0		25.9	38.9

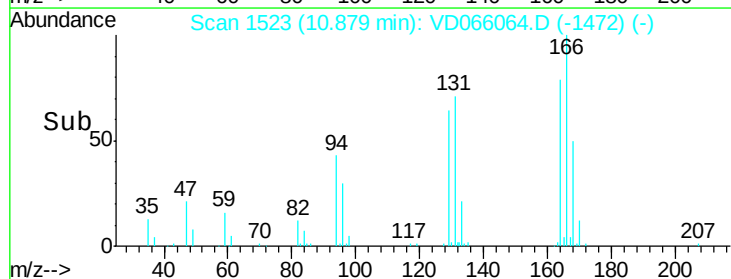
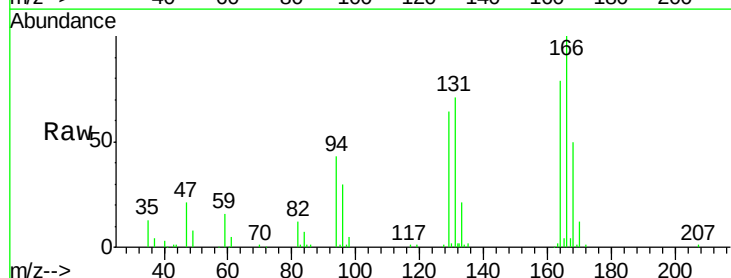
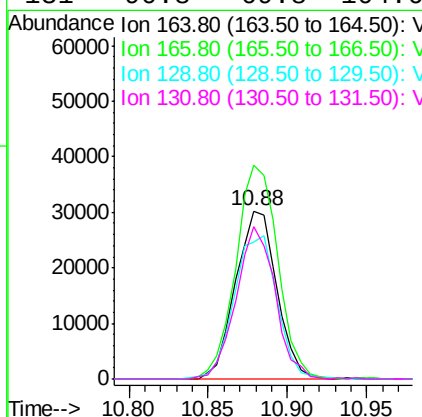
Manual Integrations
APPROVED

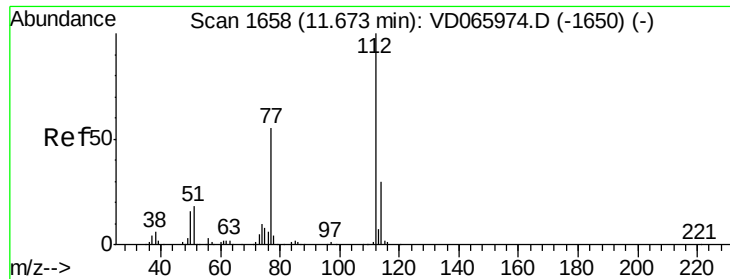
MMDadoda
7/28/2020 1:44:07 PM



#64
Tetrachloroethene
Concen: 21.230 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54340		
166	127.2		99.1	148.7
129	81.2		71.5	107.3
131	90.8		69.8	104.6





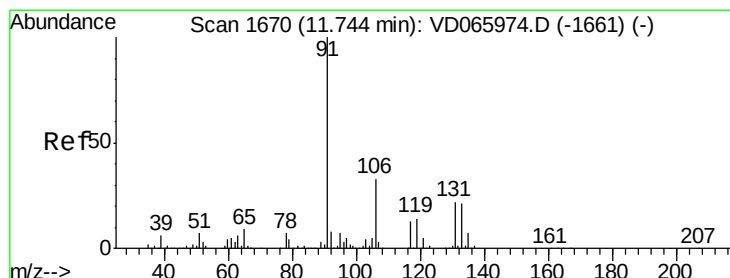
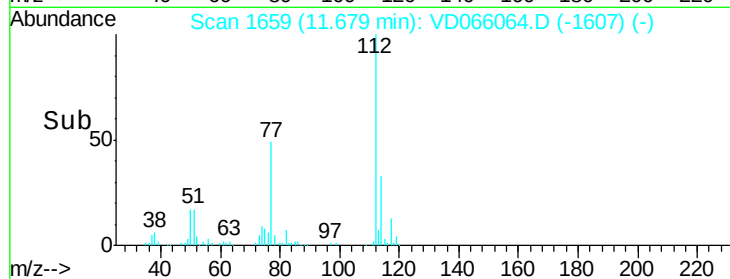
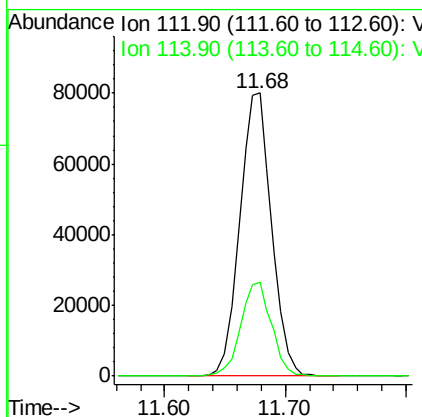
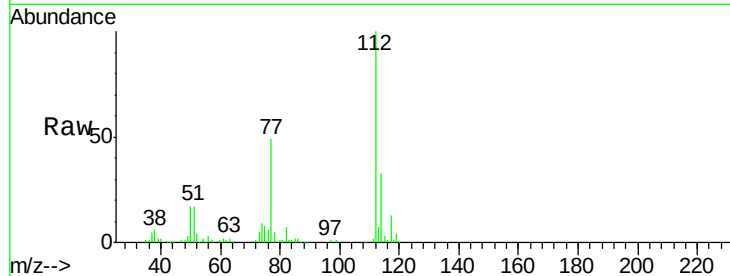
#65
Chlorobenzene
Concen: 21.157 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	146082		
114	33.3	24.4	36.6	

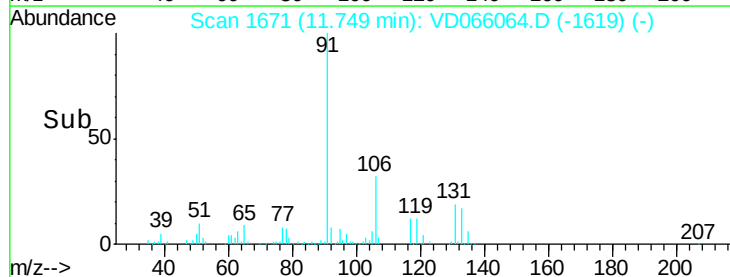
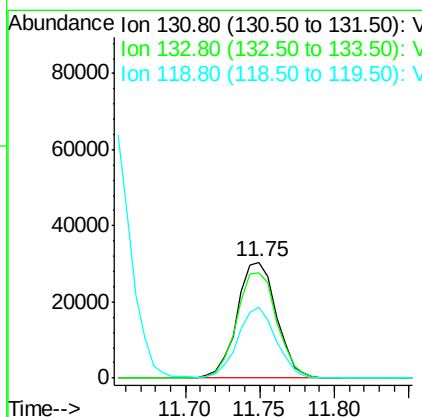
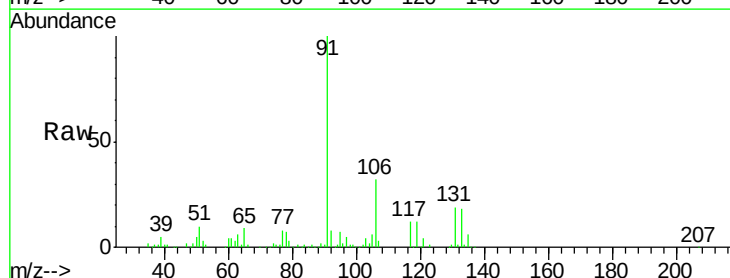
Manual Integrations
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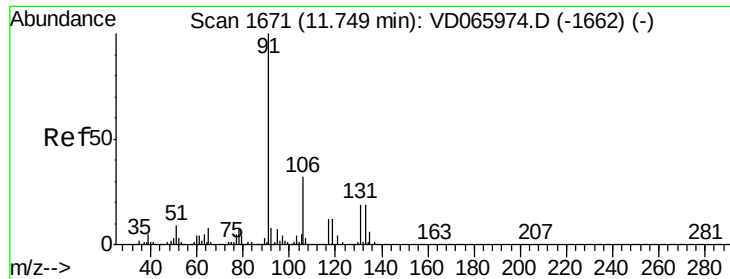
MMDadoda
7/28/2020 1:44:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.908 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	55855		
133	92.7	47.3	142.0	
119	59.4	31.7	95.1	





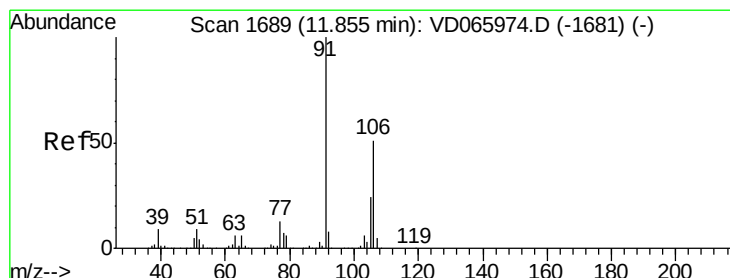
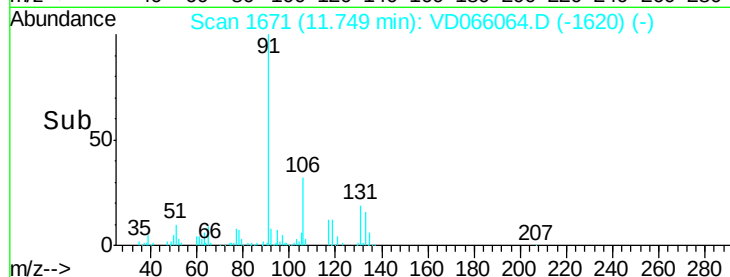
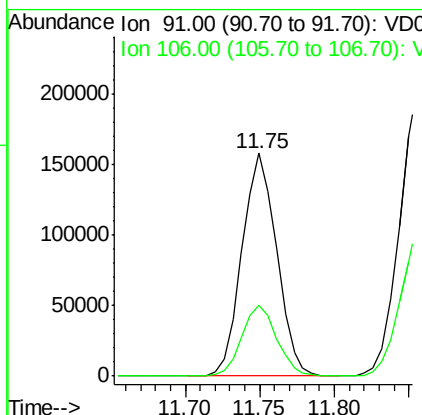
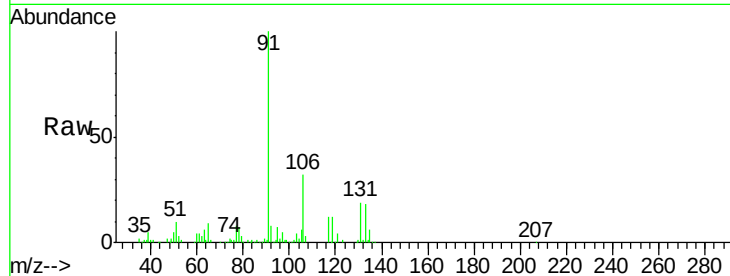
#67
Ethyl Benzene
Concen: 21.431 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion: 91 Resp: 254655
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

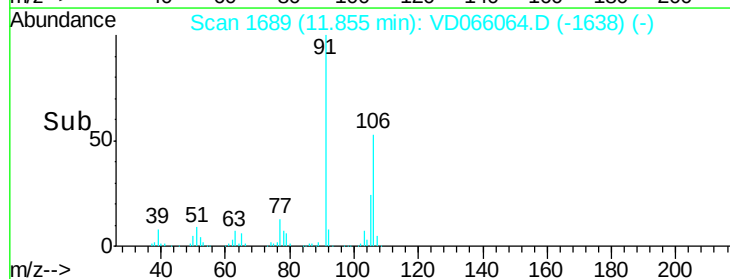
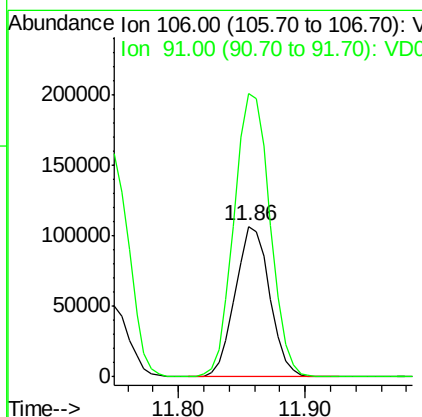
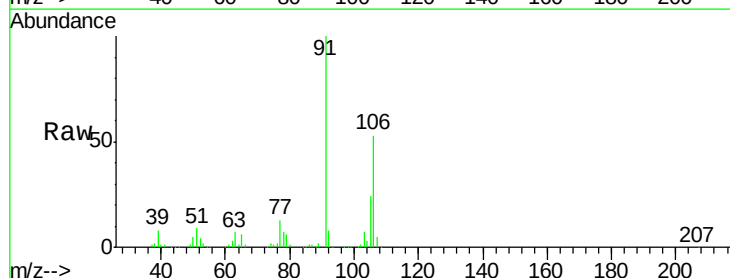
Manual Integrations
APPROVED

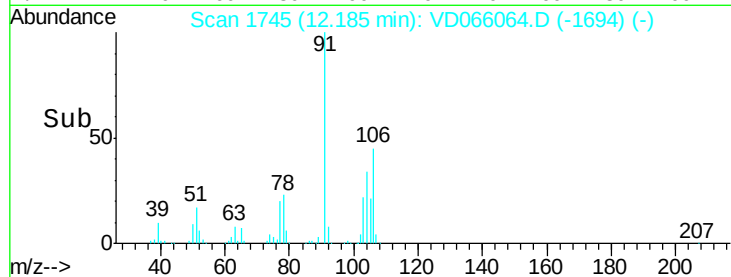
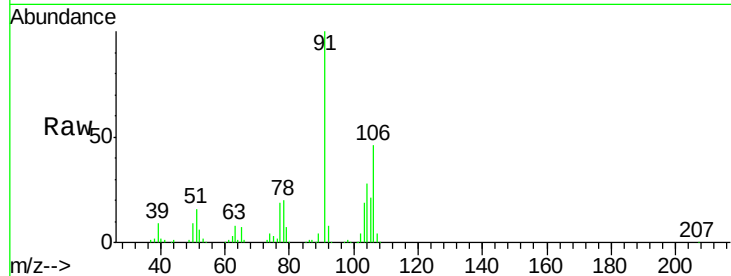
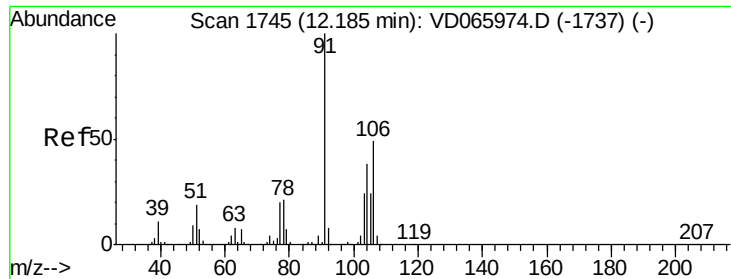
MMDadoda
7/28/2020 1:44:07 PM



#68
m/p-Xylenes
Concen: 44.192 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion: 106 Resp: 201830
Ion Ratio Lower Upper
106 100
91 195.8 157.0 235.6





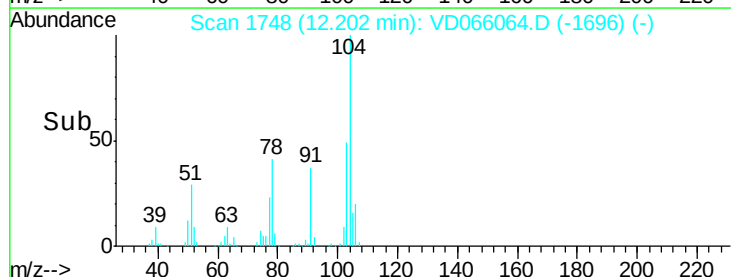
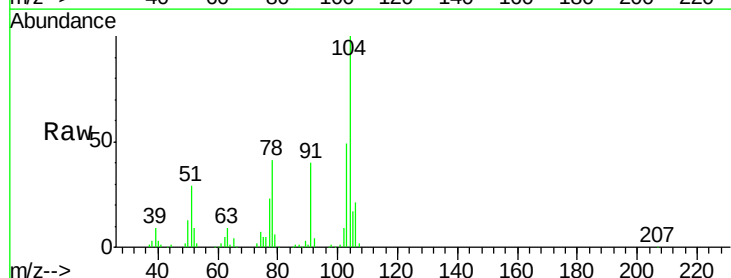
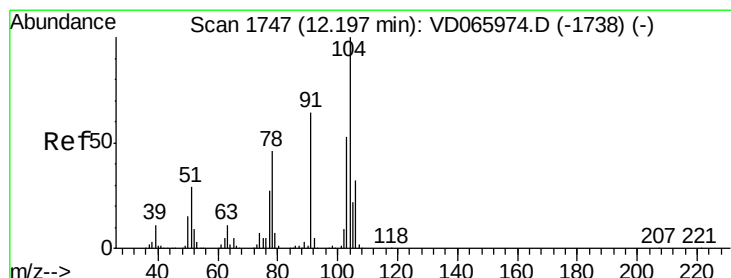
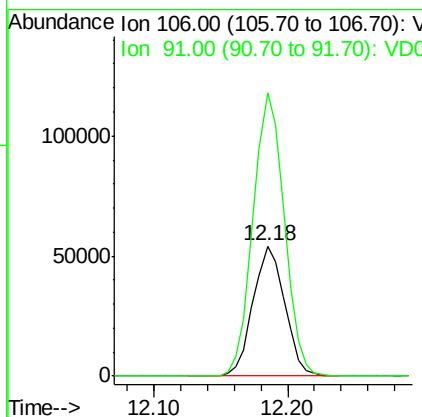
#69
o-Xylene
Concen: 21.331 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tot Ion:106 Resp: 88609
Ion Ratio Lower Upper
106 100
91 215.2 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

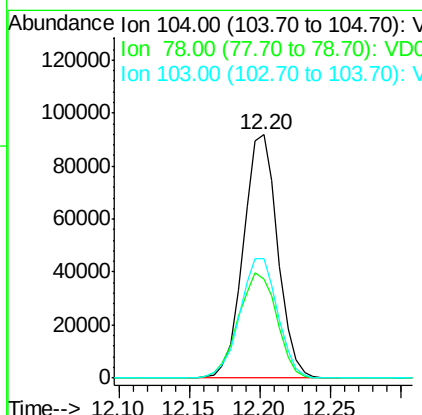
Manual Integrations
APPROVED

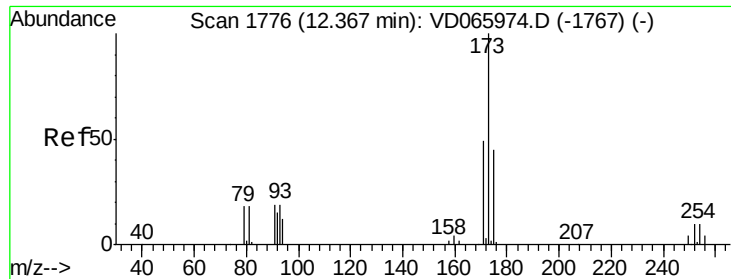
MMDadoda
7/28/2020 1:44:07 PM



#70
Styrene
Concen: 21.932 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion:104 Resp: 156531
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 54.0 43.8 65.8





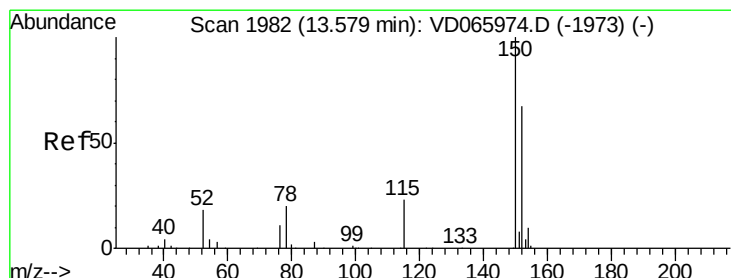
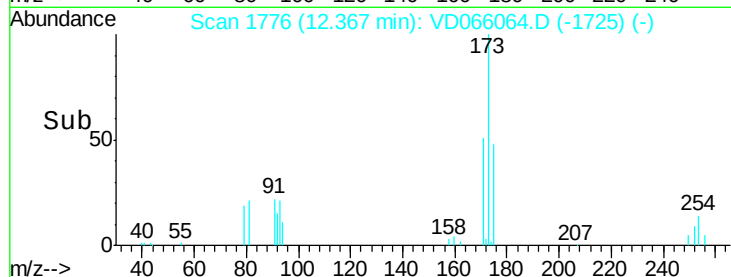
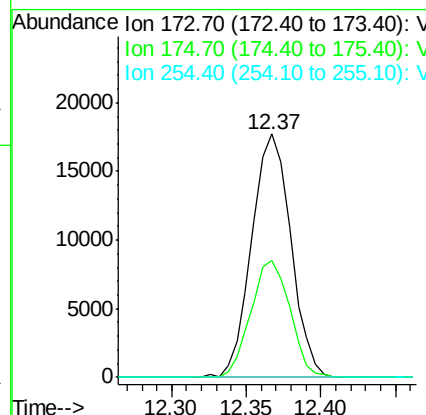
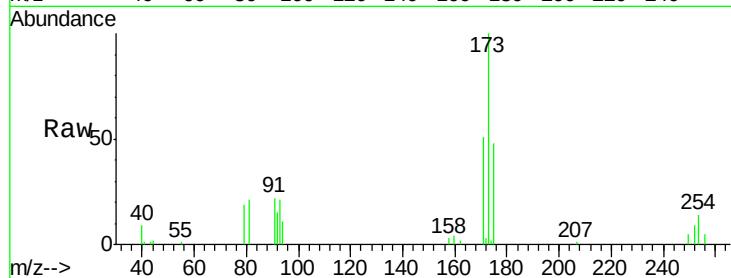
#71
Bromoform
Concen: 21.517 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.0	0.0

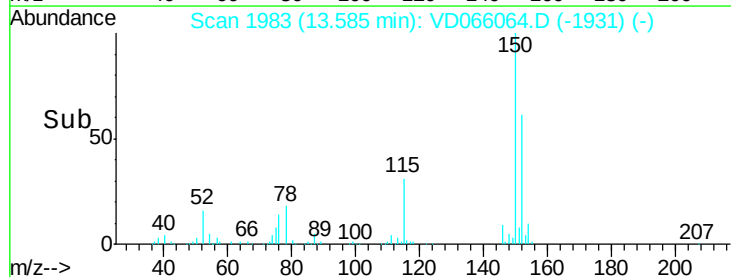
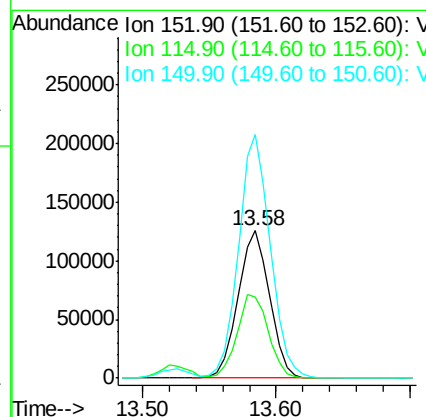
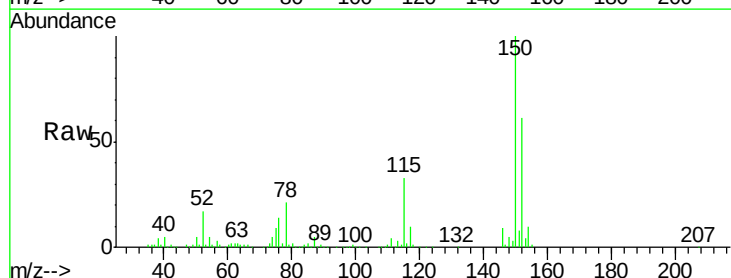
Manual Integrations
APPROVED

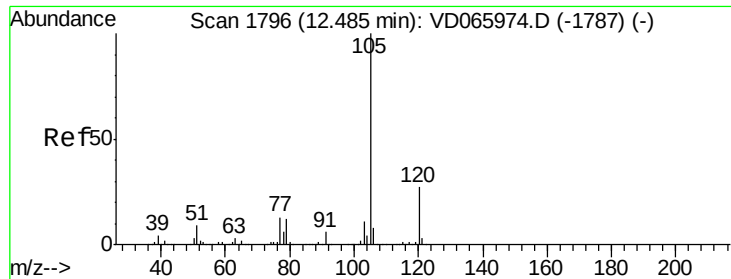
MMDadoda
7/28/2020 1:44:07 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.9	83.7
150	166.3	0.0	348.2





#73

Isopropylbenzene

Concen: 20.561 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion:105 Resp: 255406

Ion Ratio Lower Upper

105 100

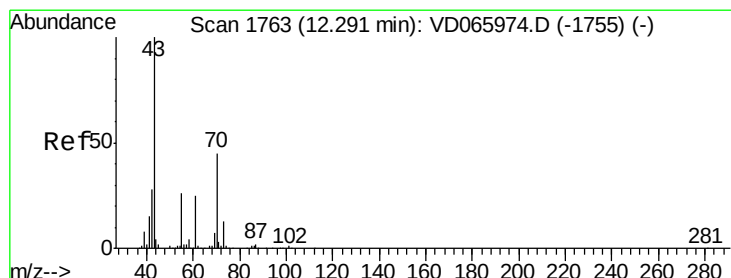
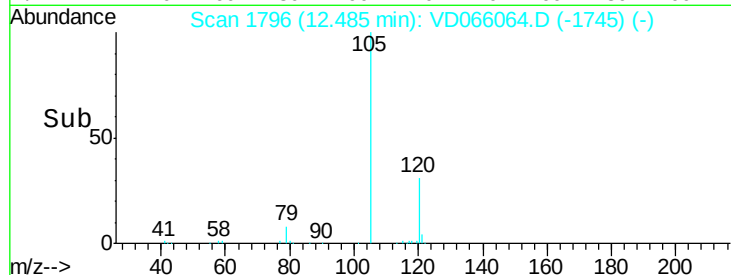
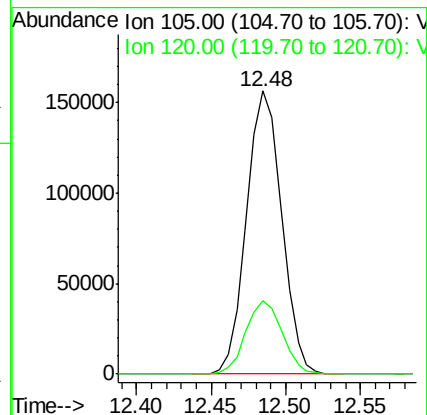
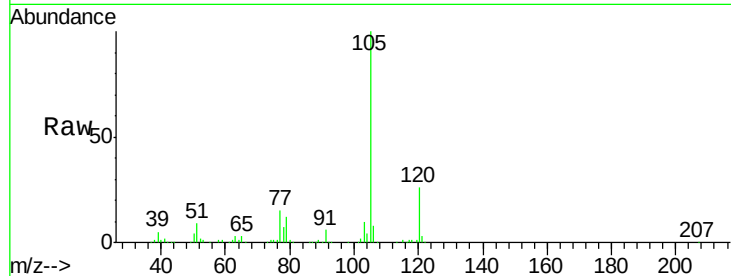
120 26.8 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.593 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion: 43 Resp: 47886

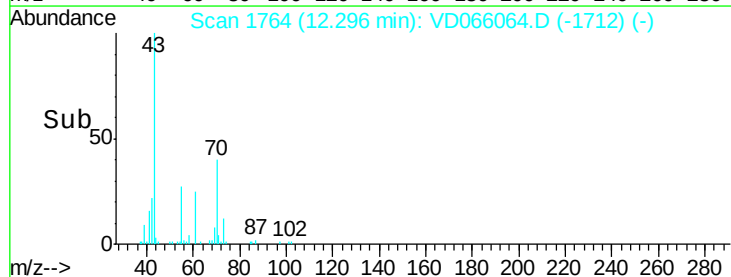
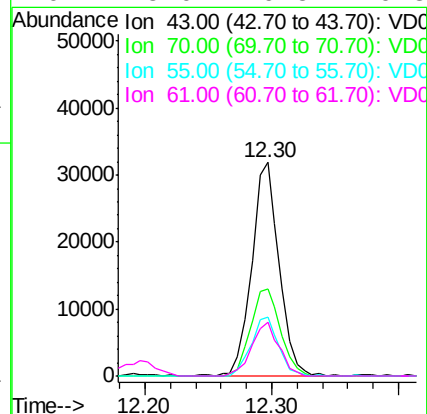
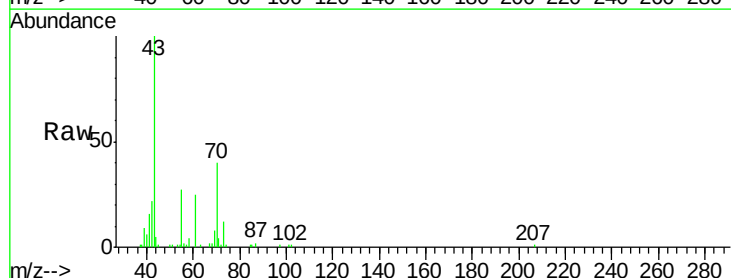
Ion Ratio Lower Upper

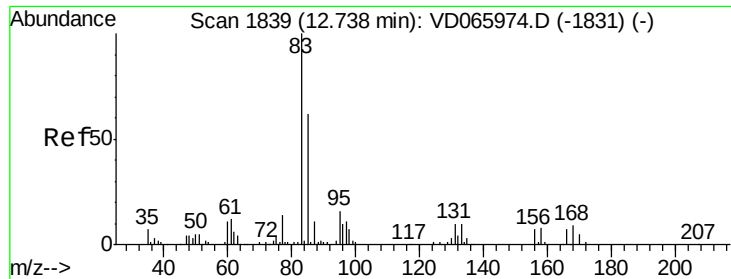
43 100

70 44.2 34.6 51.8

55 27.4 20.3 30.5

61 25.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.441 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

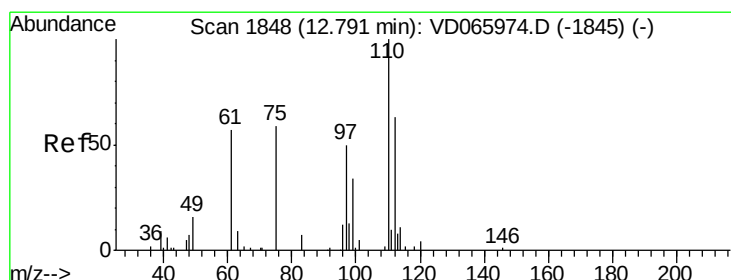
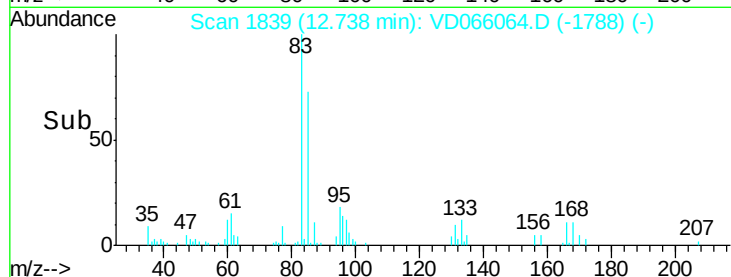
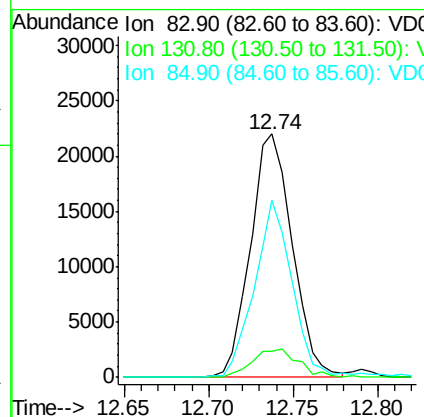
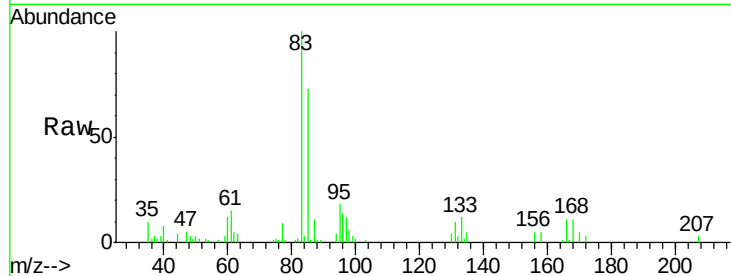
ClientSampleId :

VD0727SBS01

Tot Ion:	83	Resp:	37857
Ion	Ratio	Lower	Upper
83	100		
131	12.9	5.7	17.1
85	65.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.117 ug/l m

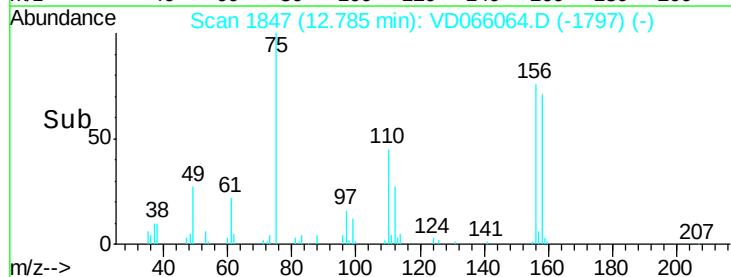
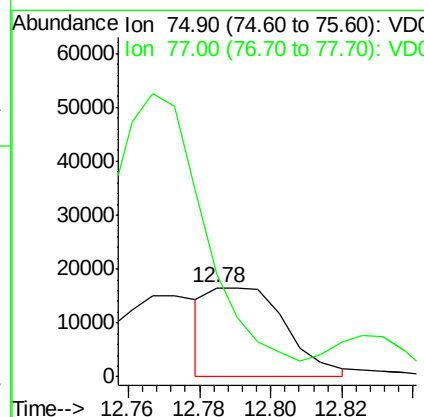
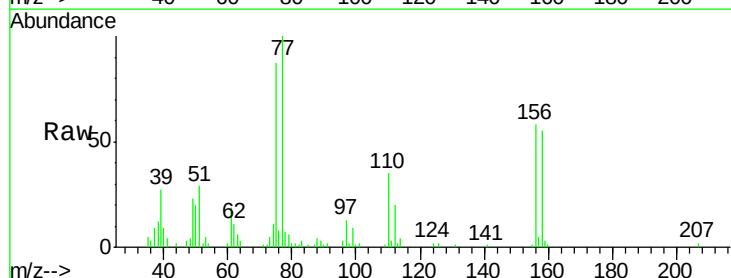
RT: 12.78 min Scan# 1847

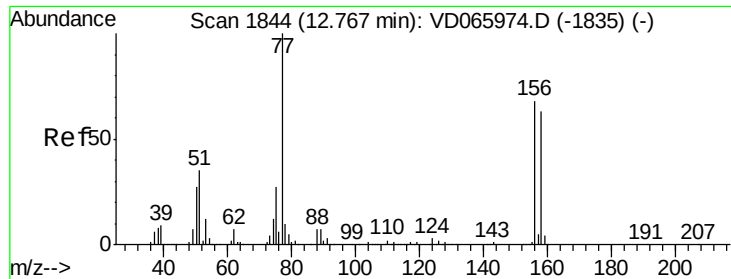
Delta R.T. -0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion:	75	Resp:	24912
Ion	Ratio	Lower	Upper
75	100		
77	405.1	0.0	0.0#





#77

Bromobenzene

Concen: 20.361 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion:156 Resp: 64637

Ion Ratio Lower Upper

156 100

77 156.1 83.0 249.0

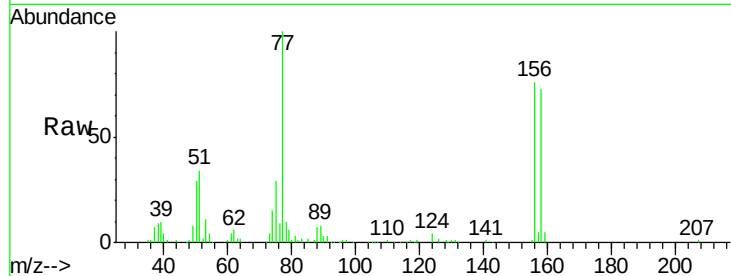
158 96.3 48.2 144.6

Manual Integrations

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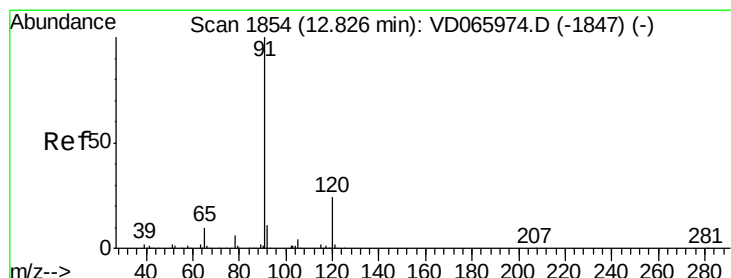
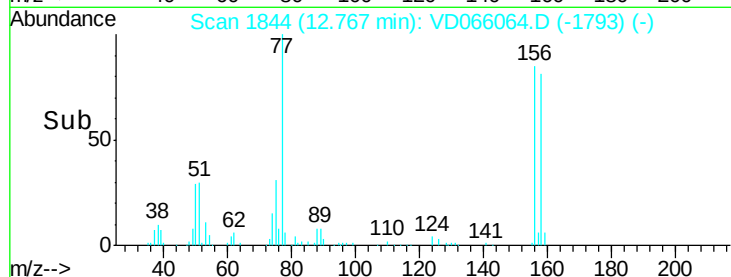
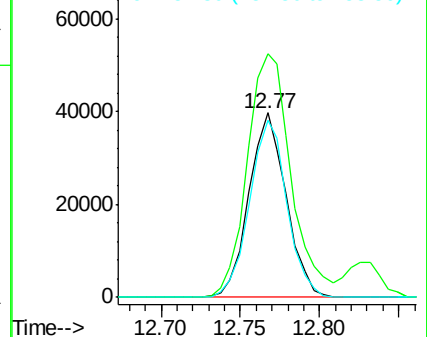
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.803 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066064.D

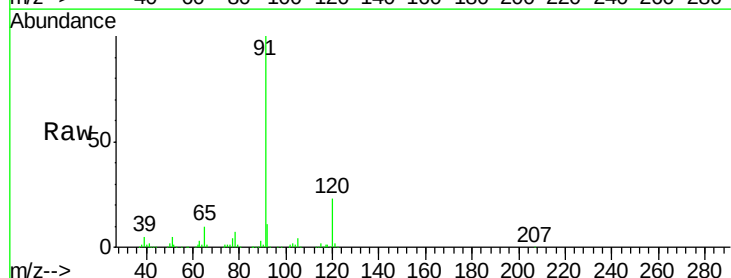
Acq: 27 Jul 2020 13:47

Tgt Ion: 91 Resp: 299856

Ion Ratio Lower Upper

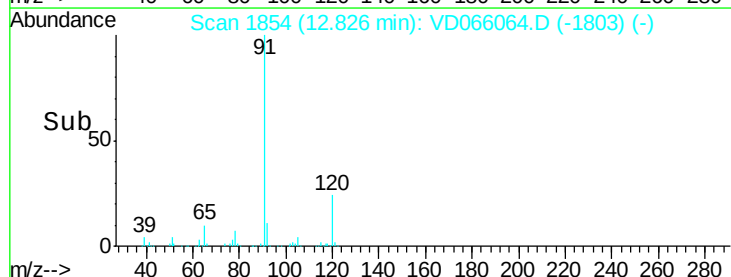
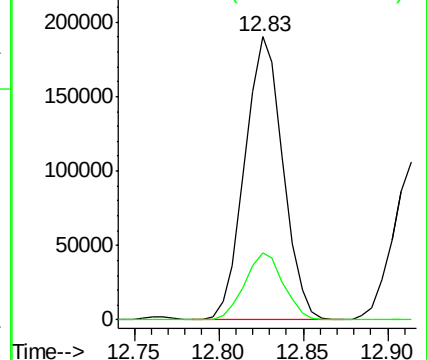
91 100

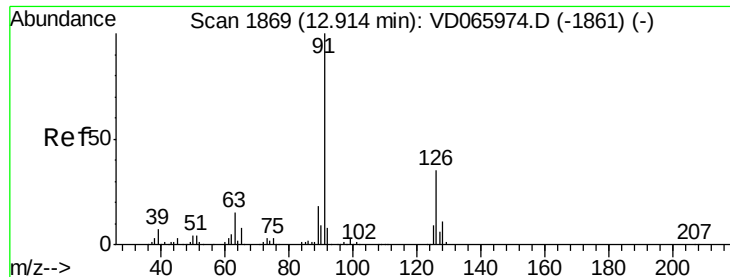
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0727SBS01

Tot Ion: 91 Resp: 165594

Ion Ratio Lower Upper

91 100

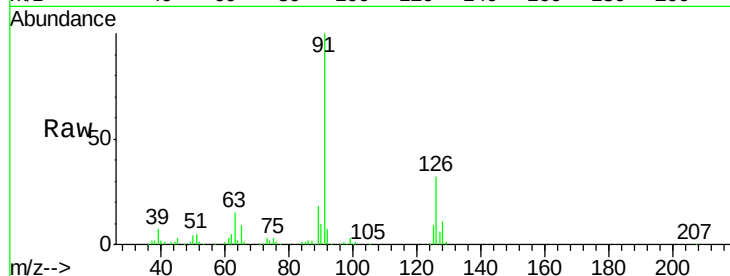
126 35.7 17.7 53.1

Manual Integrations

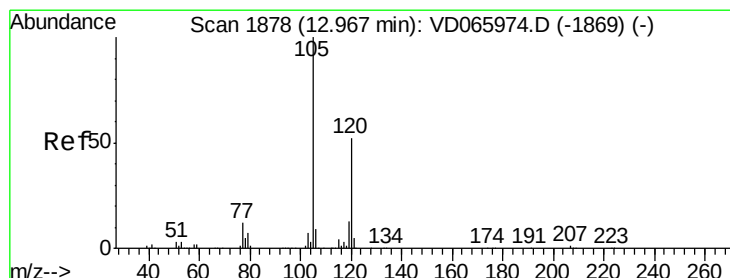
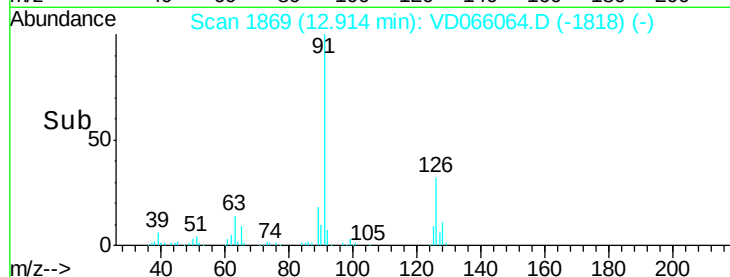
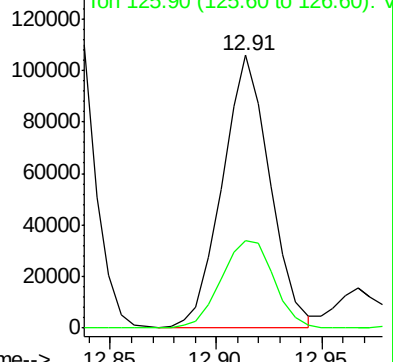
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.279 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066064.D

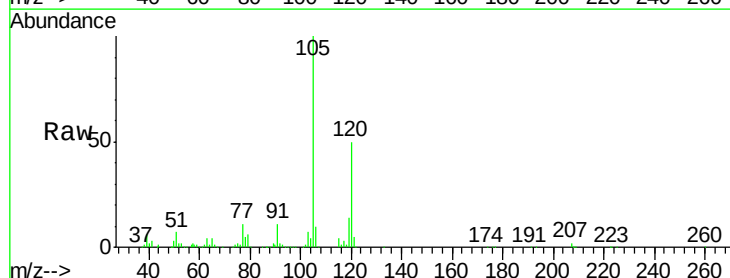
Acq: 27 Jul 2020 13:47

Tgt Ion: 105 Resp: 217162

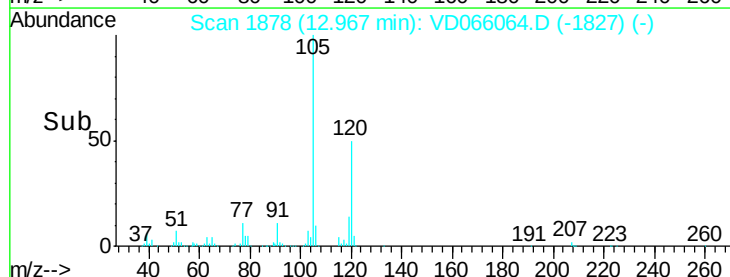
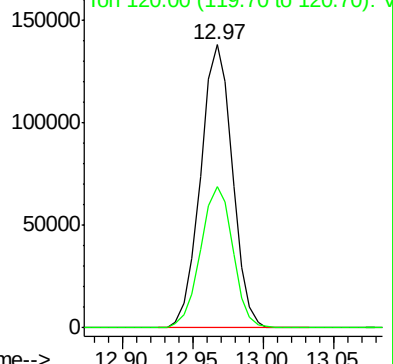
Ion Ratio Lower Upper

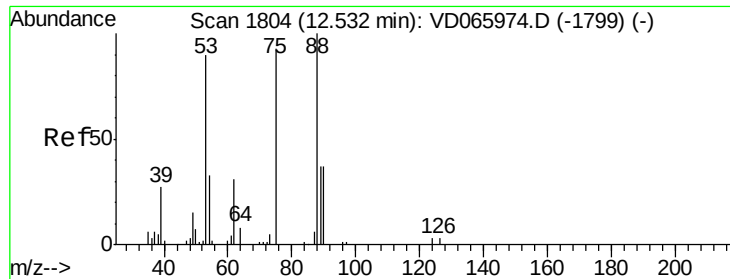
105 100

120 50.4 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.158 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Instrument :

MSVOA_D

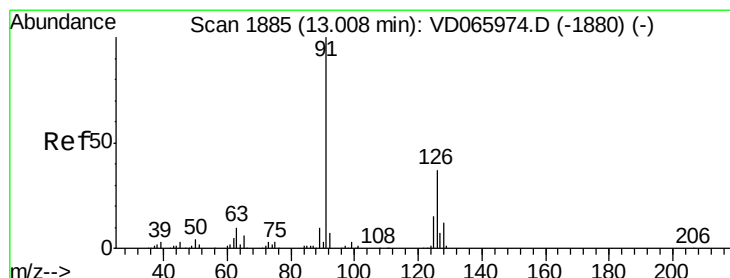
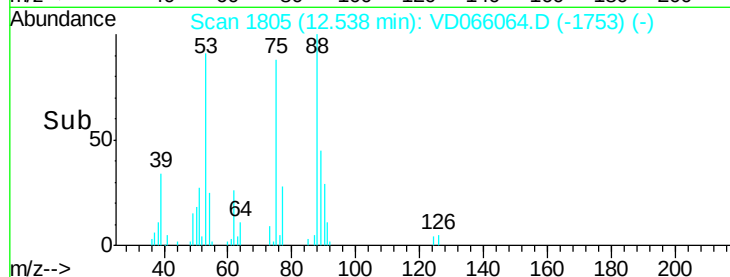
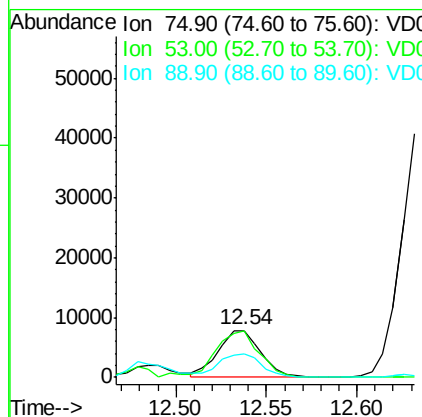
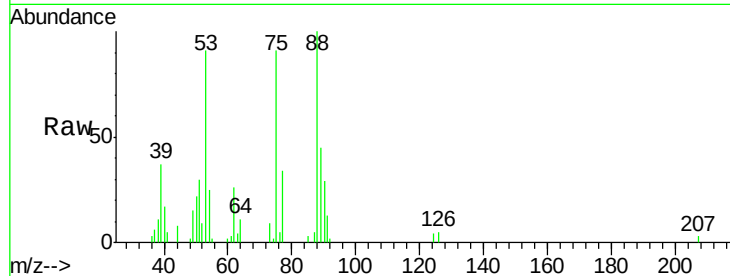
ClientSampleId :

VD0727SBS01

Tot Ion:	75	Resp:	12905
Ion	Ratio	Lower	Upper
75	100		
53	99.3	76.8	115.2
89	49.1	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.483 ug/l

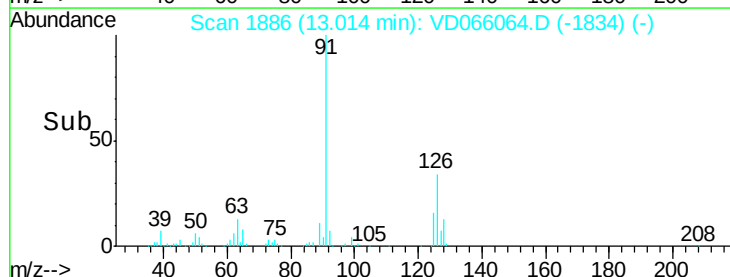
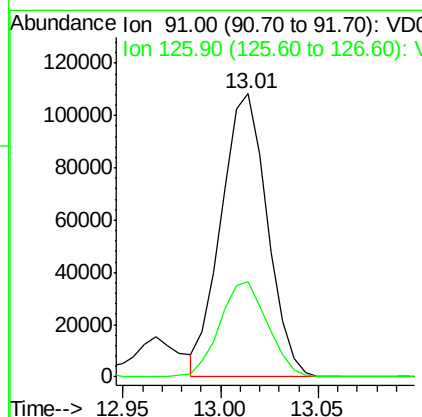
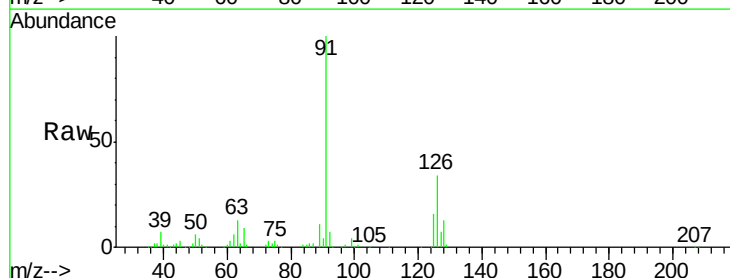
RT: 13.01 min Scan# 1886

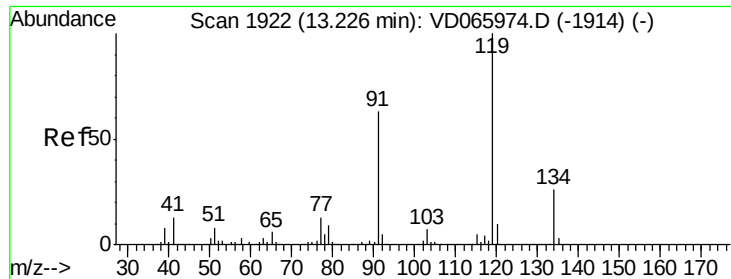
Delta R.T. 0.01 min

Lab File: VD066064.D

Acq: 27 Jul 2020 13:47

Tgt Ion:	91	Resp:	178041
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5





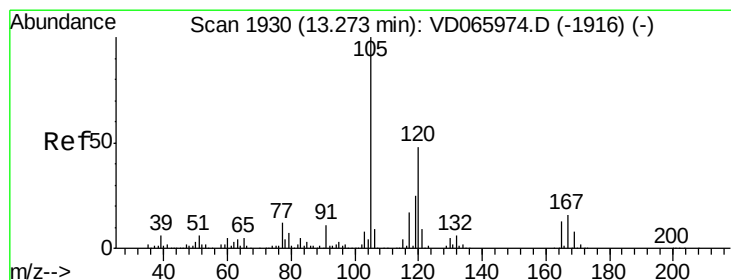
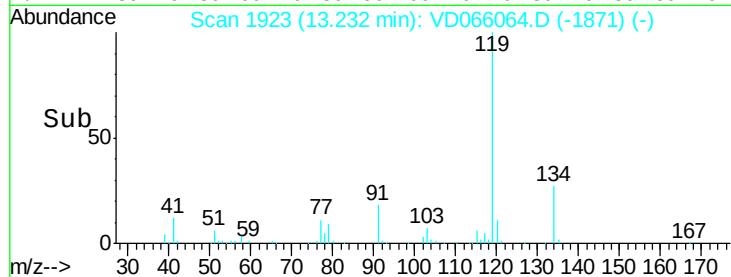
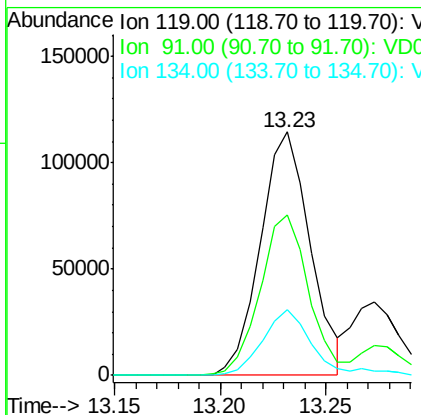
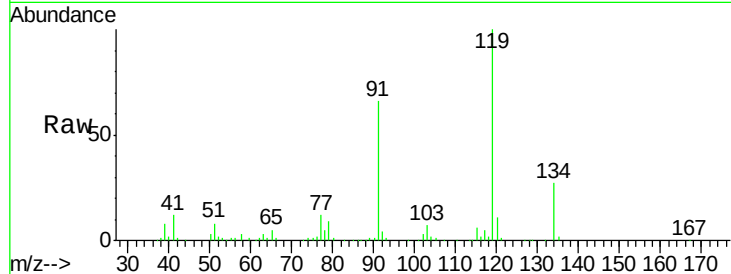
#83
 tert-Butylbenzene
 Concen: 20.986 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187415		
91	65.2	30.6	91.6	
134	27.3	13.9	41.7	

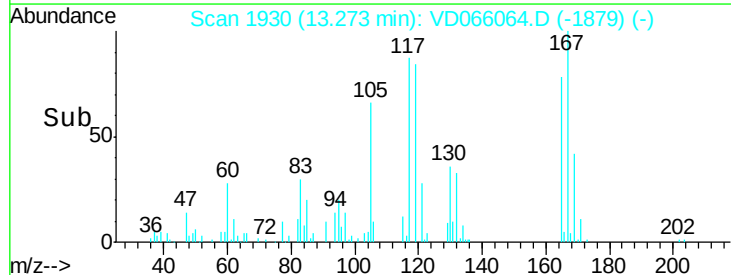
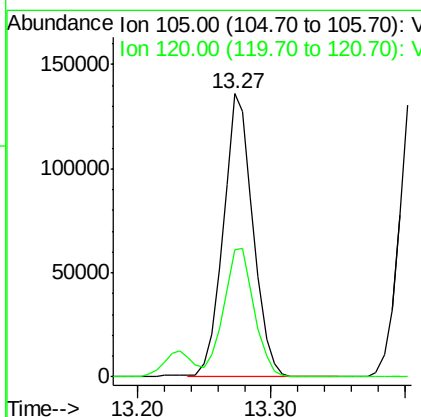
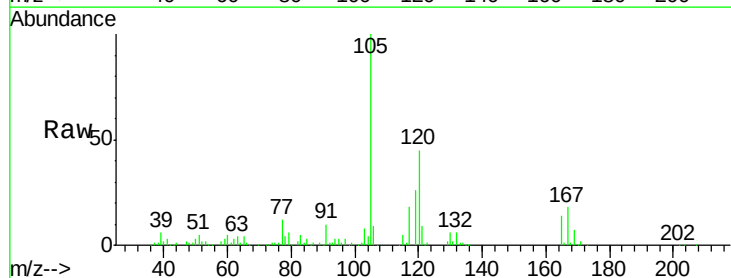
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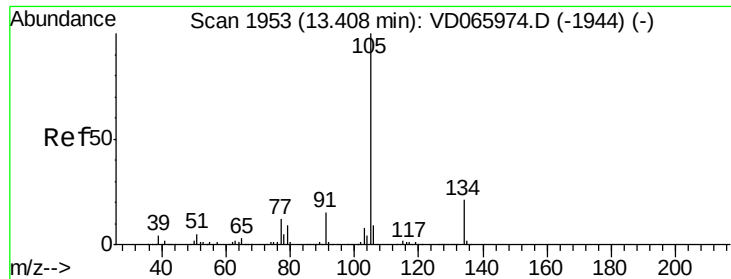
MMDadoda
 7/28/2020 1:44:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.960 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211032		
120	46.3	23.9	71.8	





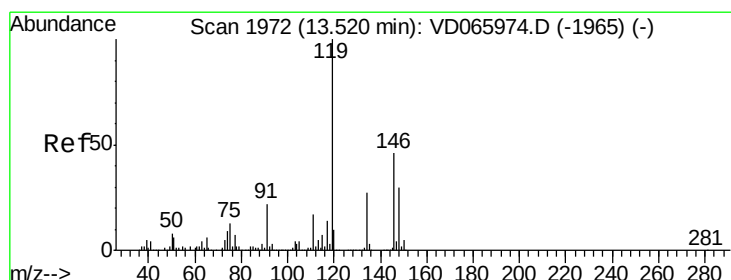
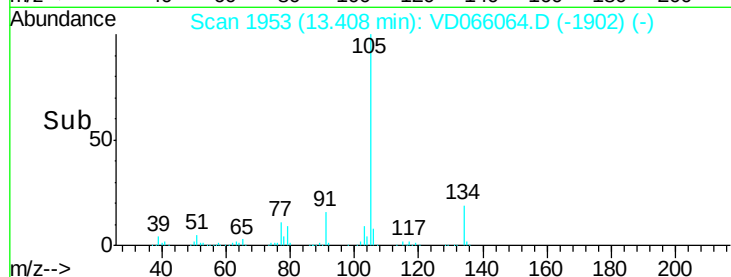
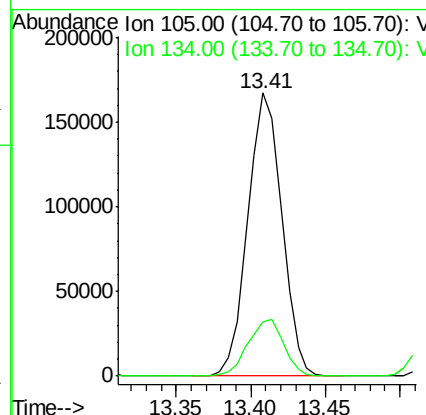
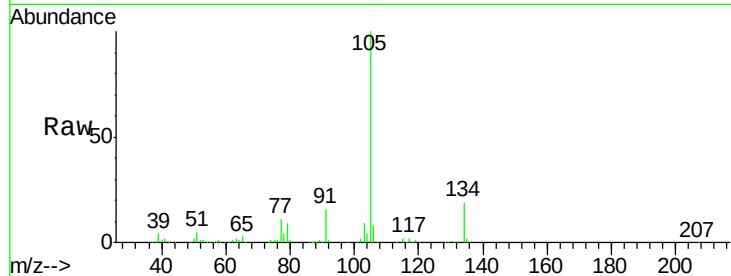
#85
 sec-Butylbenzene
 Concen: 21.455 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4

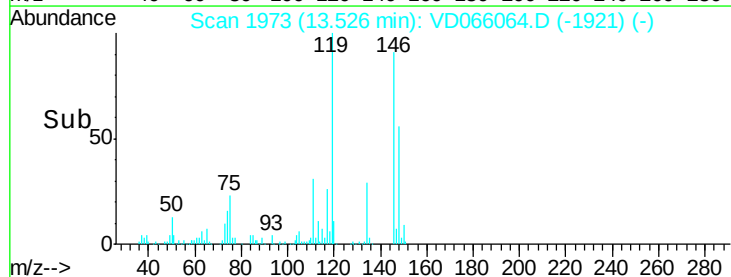
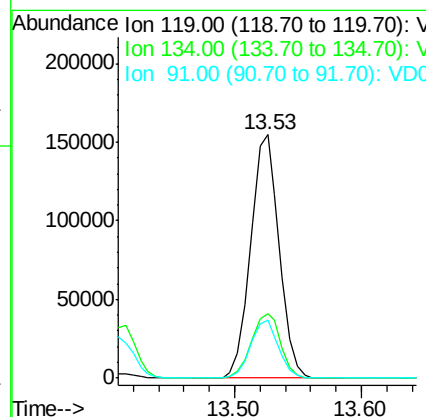
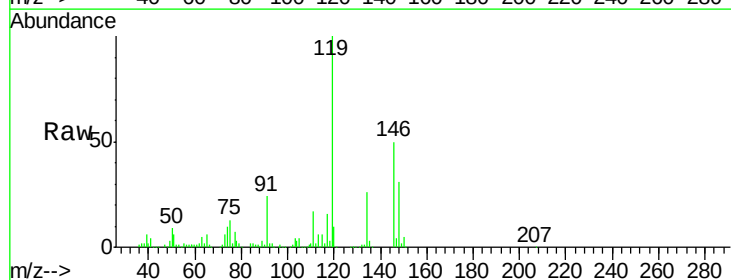
Manual Integrations
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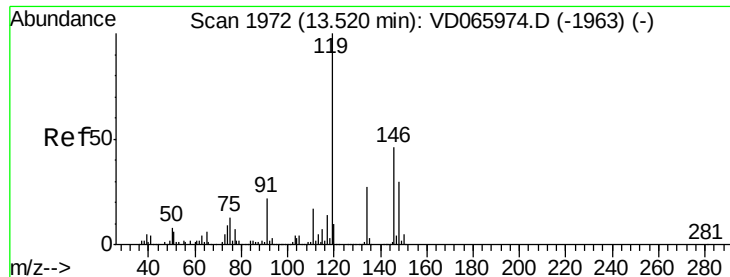
MMDadoda
 7/28/2020 1:44:07 PM



#86
 p-Isopropyltoluene
 Concen: 21.582 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.4	40.2
91	23.3	11.1	33.3





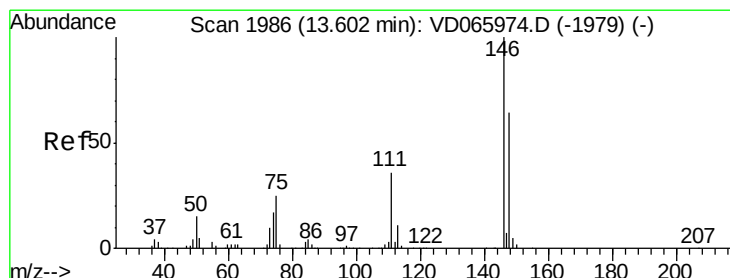
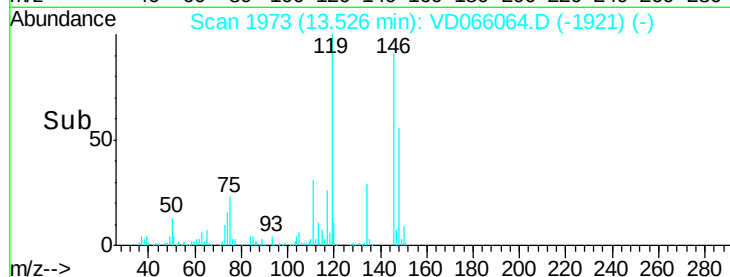
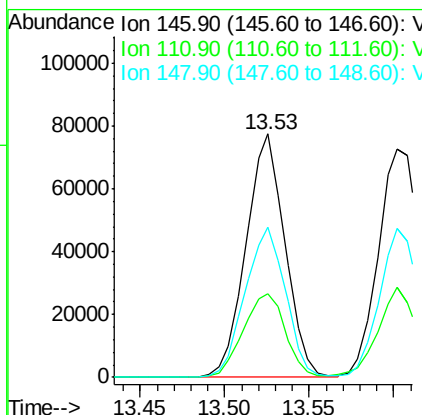
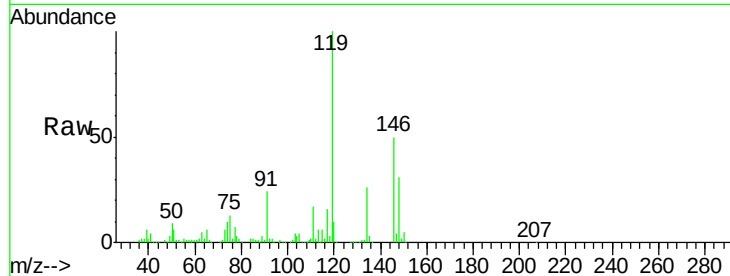
#87
 1,3-Dichlorobenzene
 Concen: 21.169 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	63.6	32.4	97.0

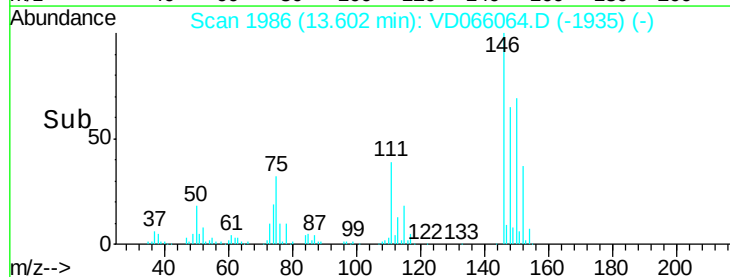
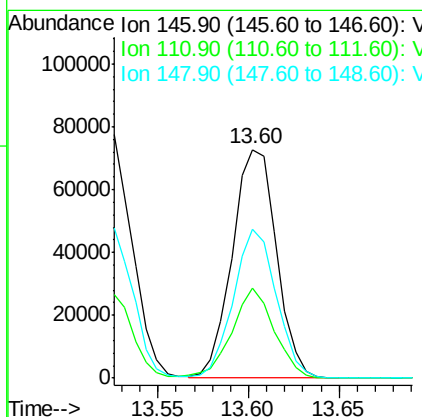
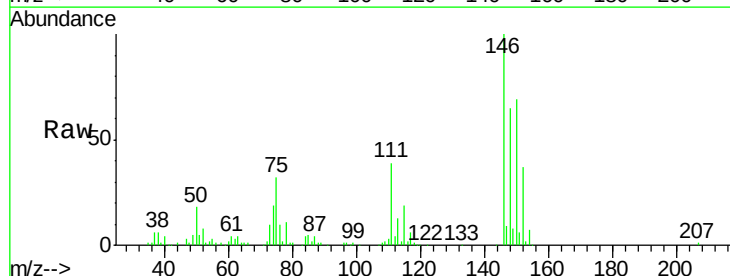
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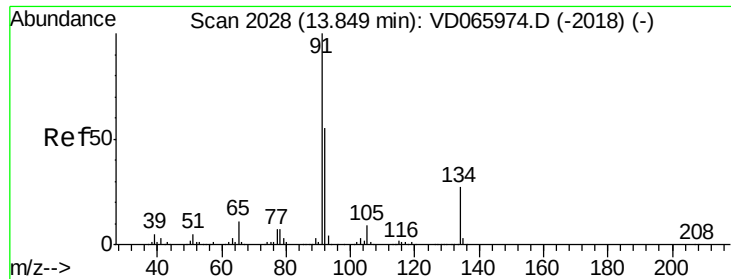
MMDadoda
 7/28/2020 1:44:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.785 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.2	32.2	96.6





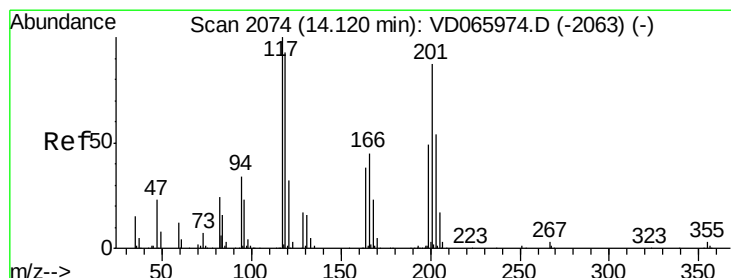
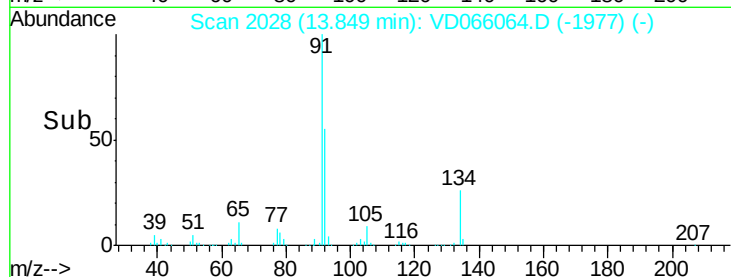
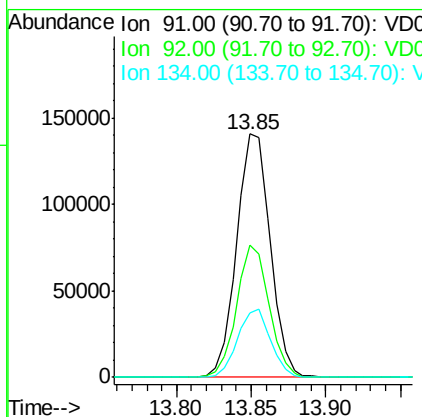
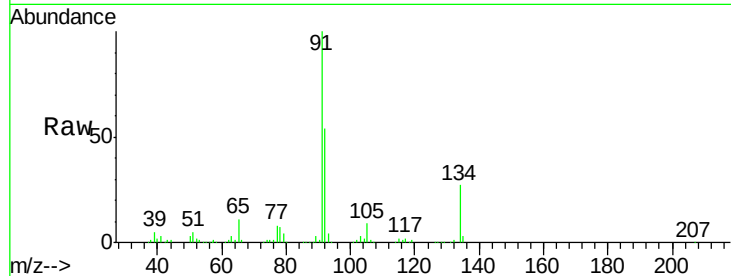
#89
n-Butylbenzene
Concen: 21.188 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.2	81.6
134	27.5	13.8	41.4

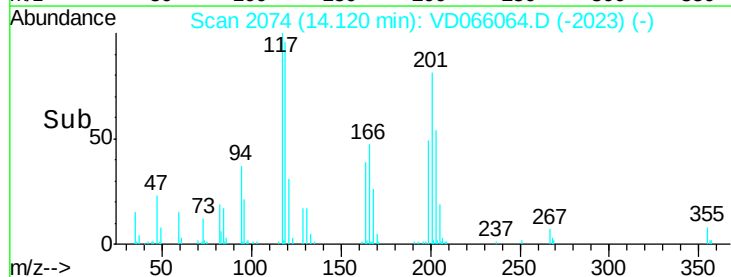
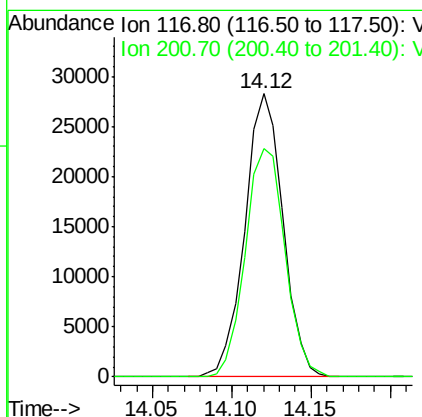
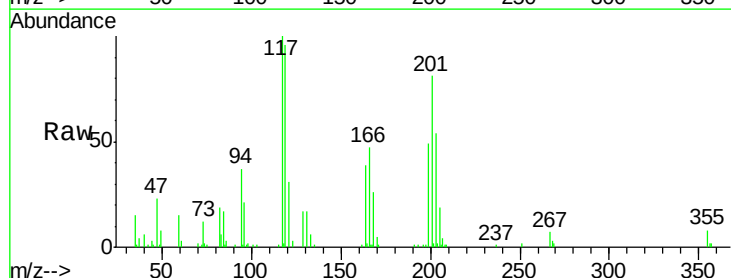
Manual Integrations
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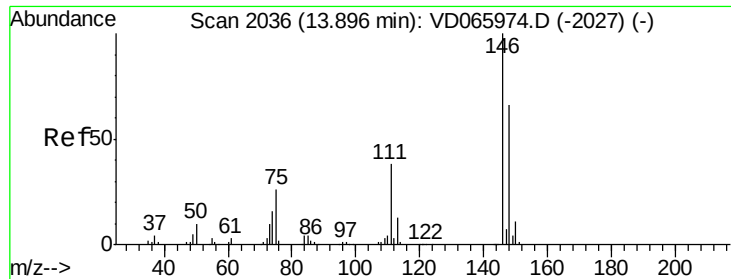
MMDadoda
7/28/2020 1:44:07 PM



#90
Hexachloroethane
Concen: 20.441 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.0	126.1





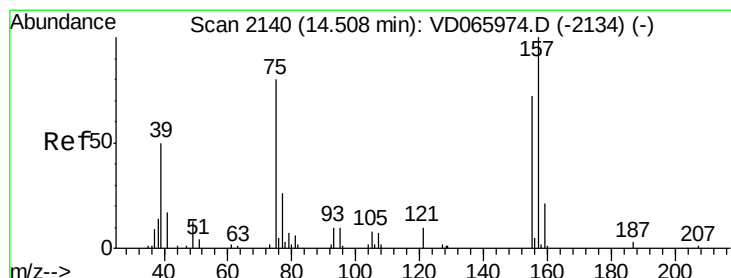
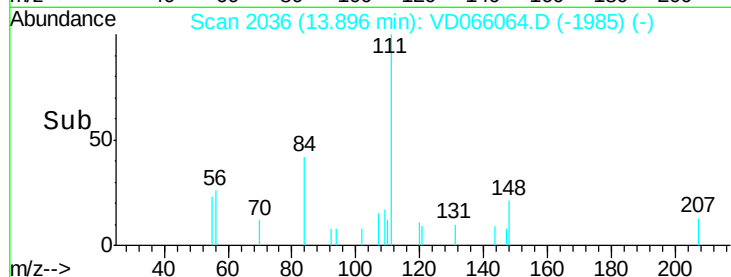
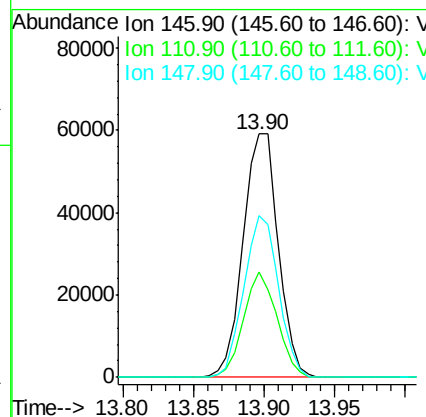
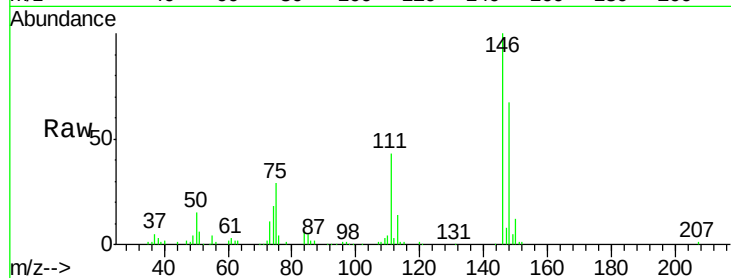
#91
 1,2-Dichlorobenzene
 Concen: 20.306 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.3	57.9
148	65.4	32.7	98.1

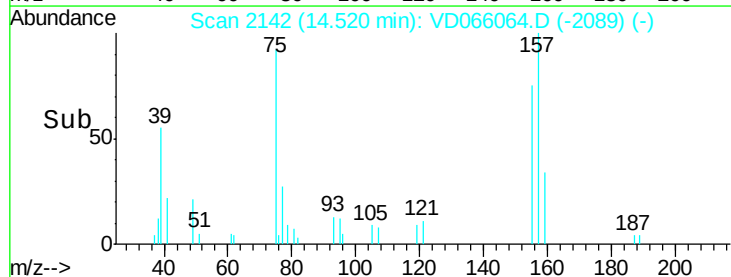
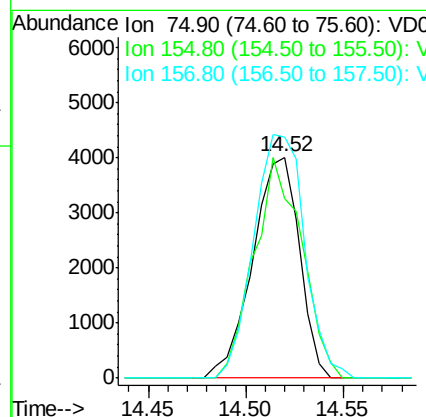
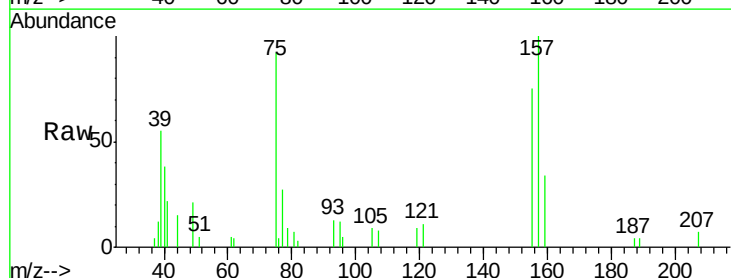
Manual Integrations
 APPROVED

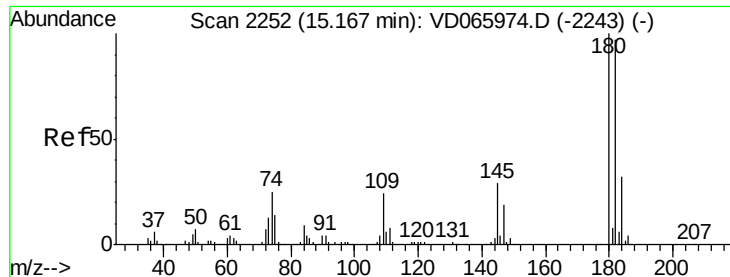
MMDadoda
 7/28/2020 1:44:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.751 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	48.5	145.5
157	120.1	64.7	194.1





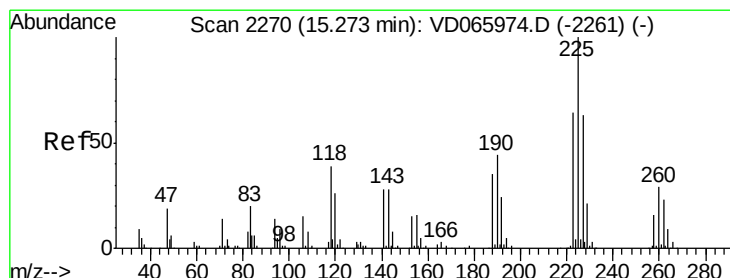
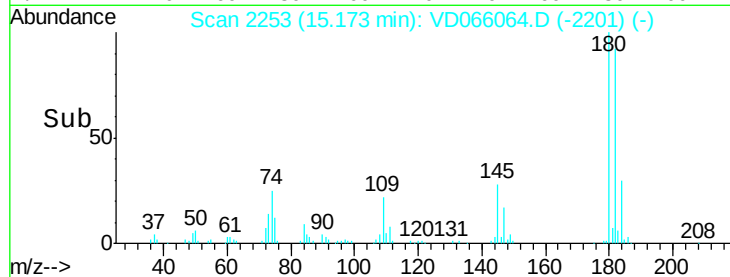
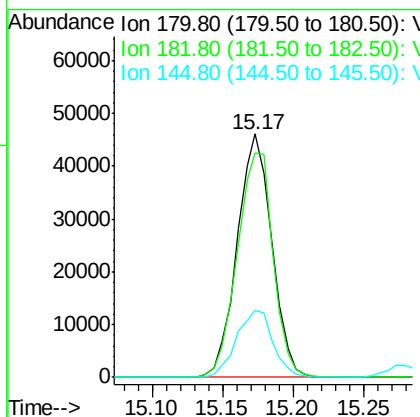
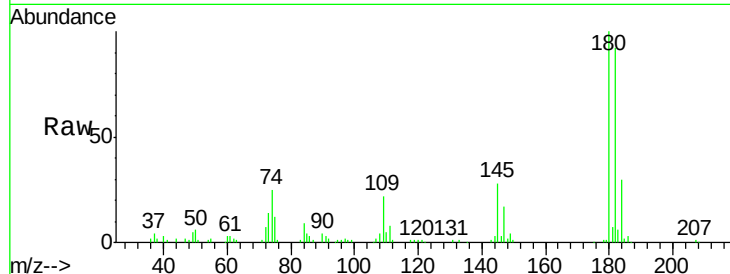
#93
 1,2,4-Trichlorobenzene
 Concen: 21.522 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.1	144.3
145	29.1	14.7	44.1

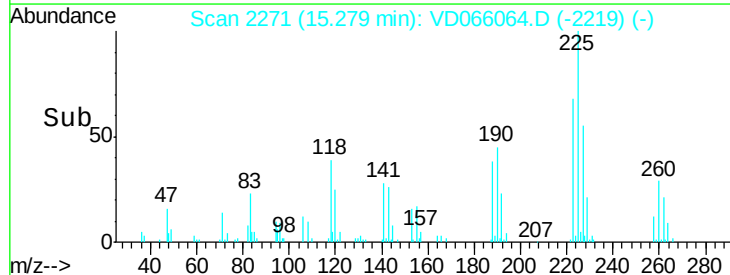
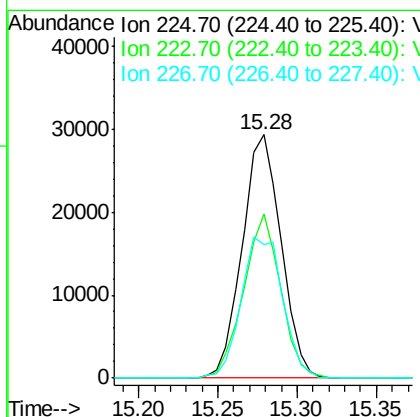
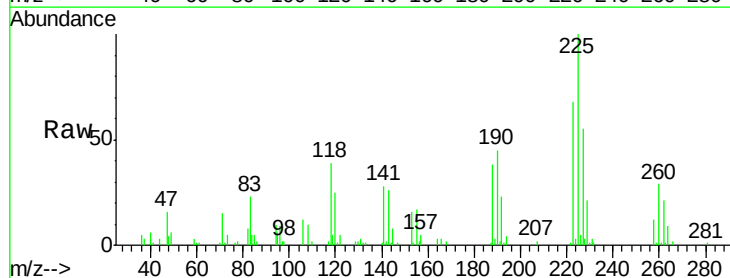
Manual Integrations
 APPROVED

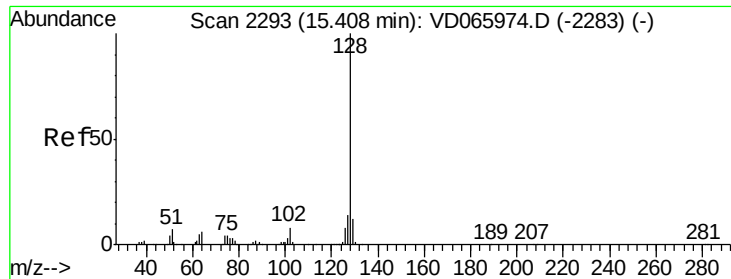
MMDadoda
 7/28/2020 1:44:07 PM



#94
 Hexachlorobutadiene
 Concen: 22.062 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066064.D
 Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.2	93.6
227	62.1	31.6	94.8





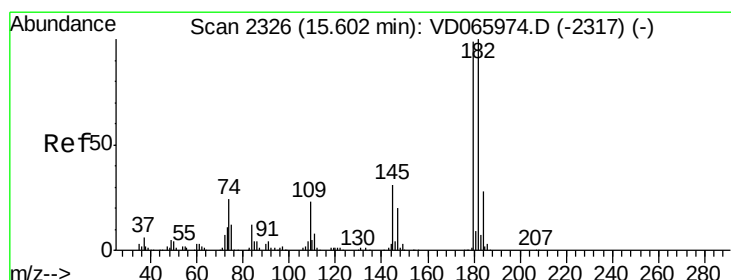
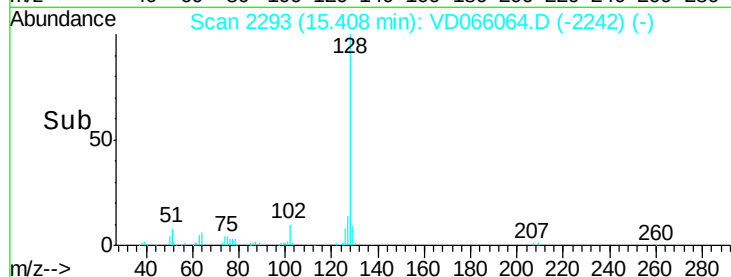
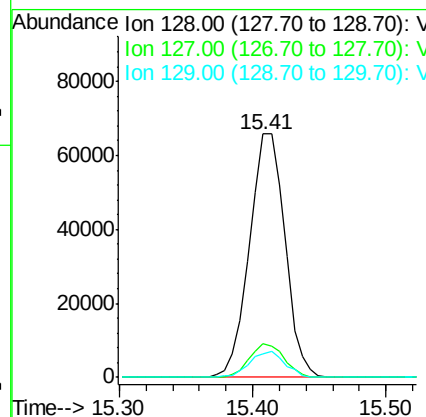
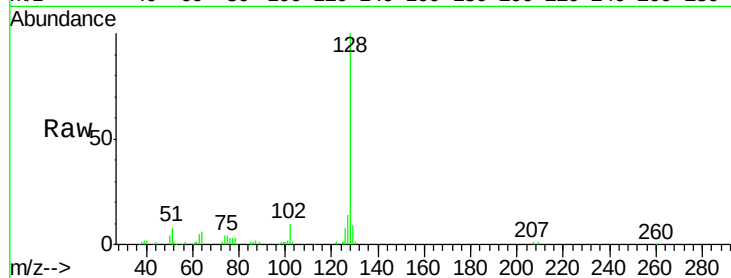
#95
Naphthalene
Concen: 20.777 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0727SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/28/2020 1:44:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.479 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066064.D
Acq: 27 Jul 2020 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	28.6	15.4	46.2

