

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066103.D
 Acq On : 30 Jul 2020 11:18
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:11 AM

Quant Time: Jul 31 02:36:11 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	7.97	168	227449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	318157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101530	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.91	113	102874	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	389467	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.64	95	138062	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39511	22.890	ug/l	98
3) Chloromethane	2.21	50	29467	20.919	ug/l	96
4) Vinyl Chloride	2.35	62	29222	21.784	ug/l	97
5) Bromomethane	2.76	94	22025	20.374	ug/l	89
6) Chloroethane	2.93	64	18691	23.342	ug/l	94
7) Trichlorofluoromethane	3.27	101	78489	24.056	ug/l	97
8) Diethyl Ether	3.70	74	17892	19.839	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	44077	22.373	ug/l	99
10) Methyl Iodide	4.29	142	40751	25.680	ug/l	94
11) Tert butyl alcohol	5.21	59	11893m	84.145	ug/l	
12) 1,1-Dichloroethene	4.07	96	38376	20.407	ug/l	93
13) Acrolein	3.92	56	10422	66.839	ug/l	100
14) Allyl chloride	4.71	41	53921	18.343	ug/l #	85
15) Acrylonitrile	5.41	53	36493	94.713	ug/l	96
16) Acetone	4.15	43	35301	94.233	ug/l #	83
17) Carbon Disulfide	4.40	76	114720	18.806	ug/l	99
18) Methyl Acetate	4.72	43	15517	17.806	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	82515	21.356	ug/l	98
20) Methylene Chloride	4.96	84	49559	22.282	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	44589	20.979	ug/l	97
22) Diisopropyl ether	6.36	45	106614	19.090	ug/l	89
23) Vinyl Acetate	6.30	43	295614	93.855	ug/l	98
24) 1,1-Dichloroethane	6.26	63	71415	21.104	ug/l	99
25) 2-Butanone	7.21	43	42740	85.982	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	70348	23.118	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46566	20.693	ug/l	99
28) Bromochloromethane	7.54	49	26918	18.742	ug/l	87
29) Tetrahydrofuran	7.56	42	26677	86.980	ug/l	91
30) Chloroform	7.71	83	79647	22.501	ug/l	95
31) Cyclohexane	7.99	56	64185	19.280	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	76702	23.426	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61814	22.765	ug/l	98
37) Ethyl Acetate	7.29	43	20481	19.751	ug/l	97
38) Carbon Tetrachloride	8.09	117	74270	25.208	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69859	21.245	ug/l	97
40) Benzene	8.35	78	161005	21.195	ug/l	96
41) Methacrylonitrile	7.53	41	13055	21.976	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	50941	24.472	ug/l	96
43) Isopropyl Acetate	8.45	43	37781	18.654	ug/l	97
44) Trichloroethene	9.11	130	52159	22.690	ug/l	87
45) 1,2-Dichloropropane	9.38	63	38162	20.742	ug/l	95
46) Dibromomethane	9.47	93	22278	22.493	ug/l	99
47) Bromodichloromethane	9.66	83	59104	22.569	ug/l	95
48) Methyl methacrylate	9.46	41	18946	18.545	ug/l #	89
49) 1,4-Dioxane	9.46	88	4635	403.933	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	95831	93.906	ug/l	97
52) Toluene	10.40	92	112822	22.774	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	55937	22.927	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	65702	22.216	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30555	21.752	ug/l	95
56) Ethyl methacrylate	10.66	69	34742	21.273	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50711	21.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	86014	110.251	ug/l	95
59) 2-Hexanone	10.98	43	68551	96.934	ug/l	98
60) Dibromochloromethane	11.14	129	44407	23.447	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30560	22.564	ug/l	97
64) Tetrachloroethene	10.87	164	47631	23.377	ug/l	91
65) Chlorobenzene	11.67	112	123843	22.532	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	48645	23.969	ug/l	99
67) Ethyl Benzene	11.75	91	217191	22.962	ug/l	99
68) m/p-Xylenes	11.86	106	171290	47.115	ug/l	99
69) o-Xylene	12.18	106	74904	22.652	ug/l	94
70) Styrene	12.20	104	135396	23.831	ug/l	99
71) Bromoform	12.36	173	27048	22.752	ug/l #	99
73) Isopropylbenzene	12.48	105	216847	21.989	ug/l	99
74) N-amyl acetate	12.29	43	38384	18.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	30199	18.530	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	24493m	19.960	ug/l	
77) Bromobenzene	12.77	156	55197	21.901	ug/l	95
78) n-propylbenzene	12.83	91	249468	21.800	ug/l	98
79) 2-Chlorotoluene	12.91	91	143425	21.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	188548	23.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10573	19.771	ug/l	97
82) 4-Chlorotoluene	13.01	91	152989	22.170	ug/l	99
83) tert-Butylbenzene	13.23	119	158381	22.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	182445	22.825	ug/l	99
85) sec-Butylbenzene	13.41	105	219005	22.426	ug/l	99
86) p-Isopropyltoluene	13.53	119	207365	23.373	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	107046	22.877	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105194	22.238	ug/l	99
89) n-Butylbenzene	13.85	91	186261	22.579	ug/l	97
90) Hexachloroethane	14.12	117	40841	22.237	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	91827	22.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5613	21.014	ug/l	91

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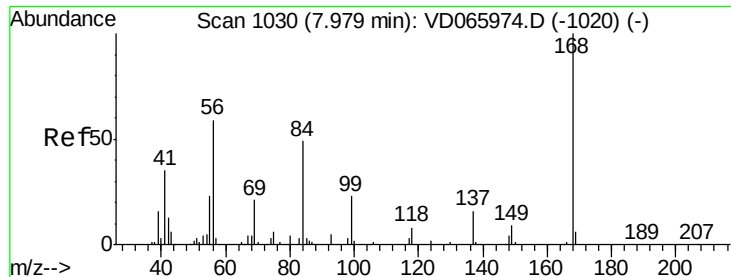
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	66148	22.728	ug/l	98
94) Hexachlorobutadiene	15.28	225	42605	23.678	ug/l	99
95) Naphthalene	15.41	128	95413	20.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56364	22.277	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066103.D

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Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion:168 Resp: 227449

Ion Ratio Lower Upper

168 100

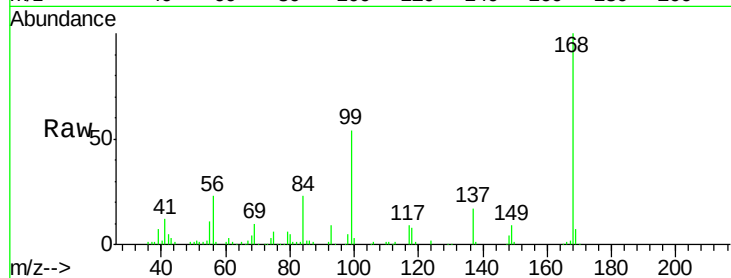
99 53.6 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

60000

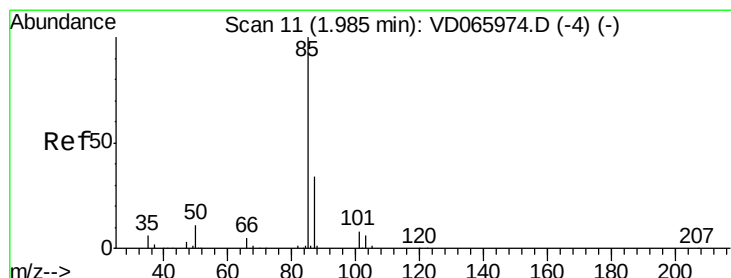
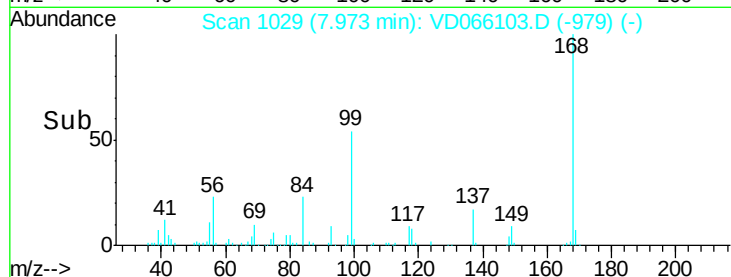
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.890 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066103.D

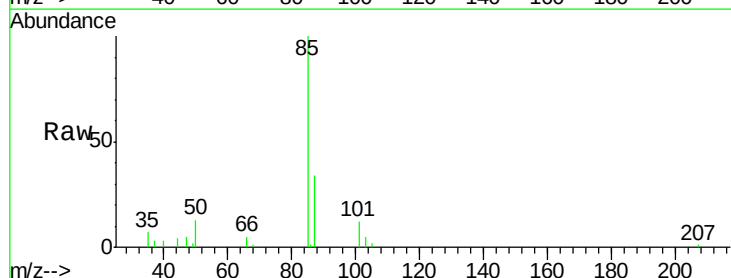
Acq: 30 Jul 2020 11:18

Tgt Ion: 85 Resp: 39511

Ion Ratio Lower Upper

85 100

87 33.6 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

30000

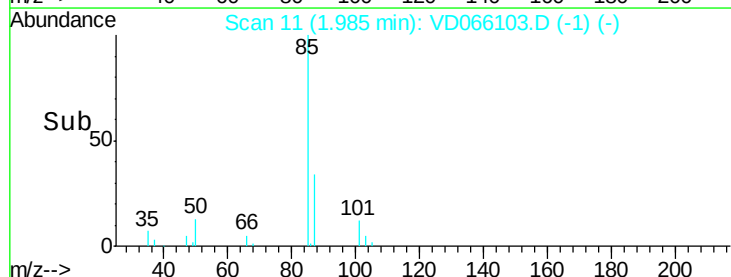
20000

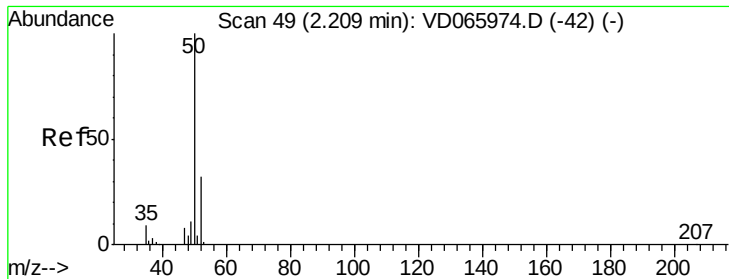
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.919 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 50 Resp: 29467

Ion Ratio Lower Upper

50 100

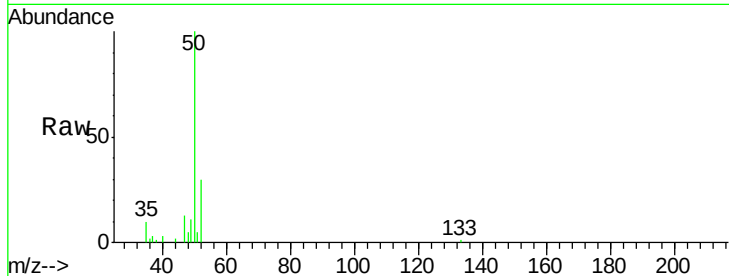
52 30.1 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

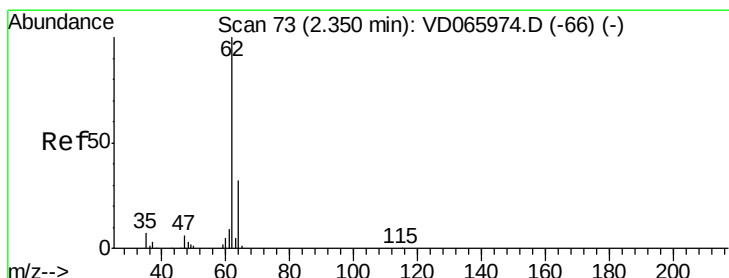
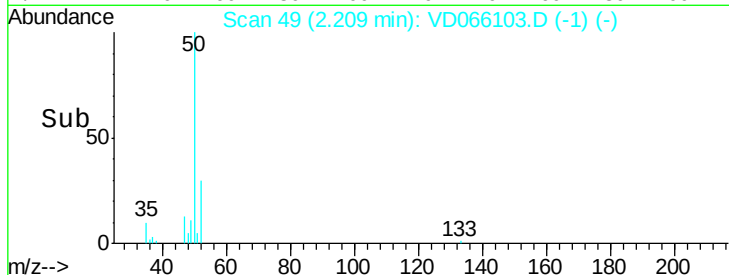
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 21.784 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066103.D

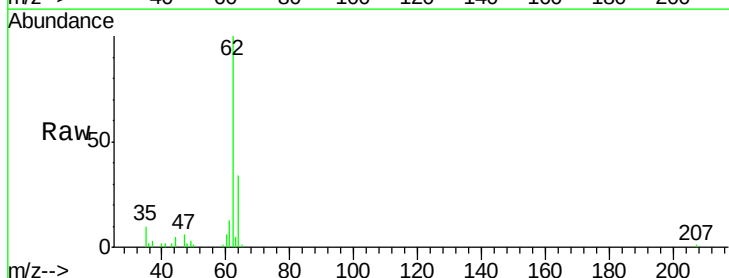
Acq: 30 Jul 2020 11:18

Tgt Ion: 62 Resp: 29222

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

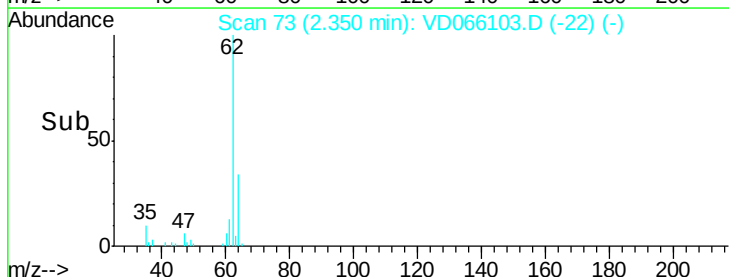
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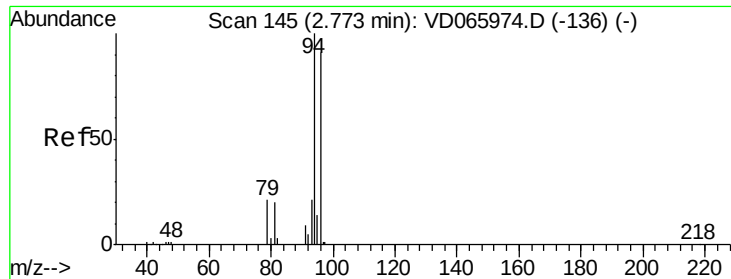
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.374 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 94 Resp: 22025

Ion Ratio Lower Upper

94 100

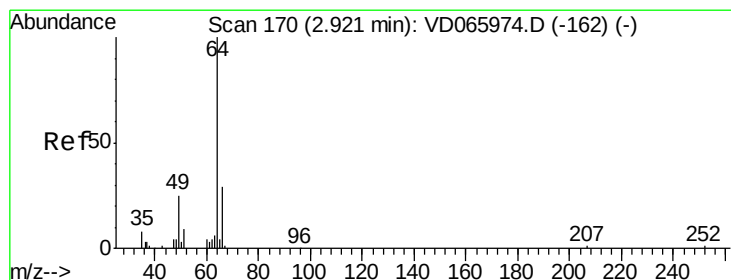
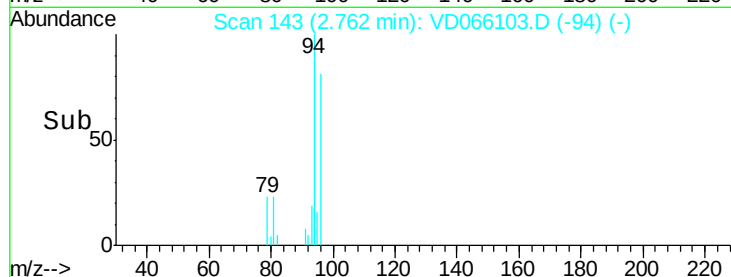
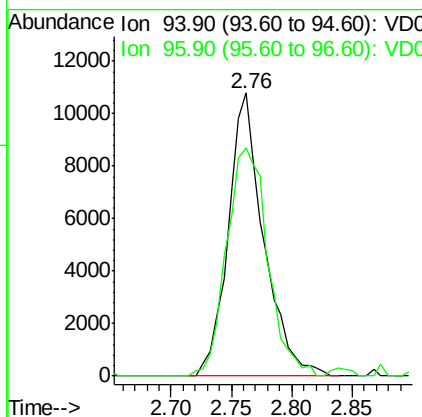
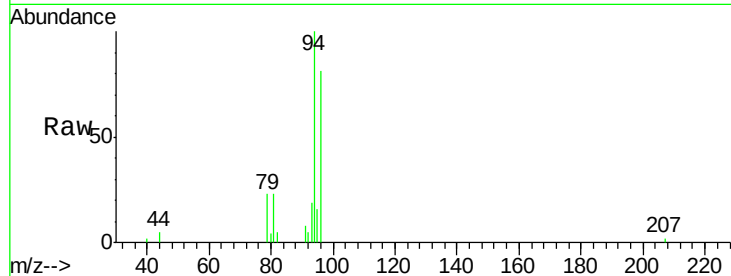
96 80.8 73.0 109.4

Manual Integrations

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#6

Chloroethane

Concen: 23.342 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066103.D

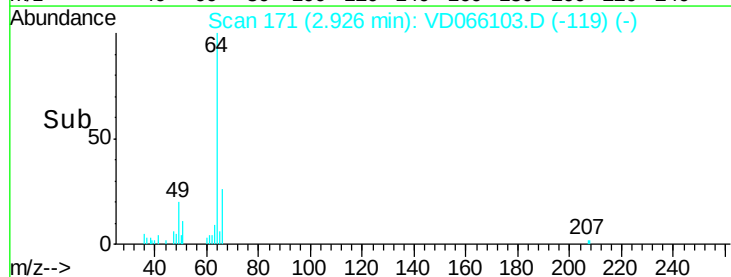
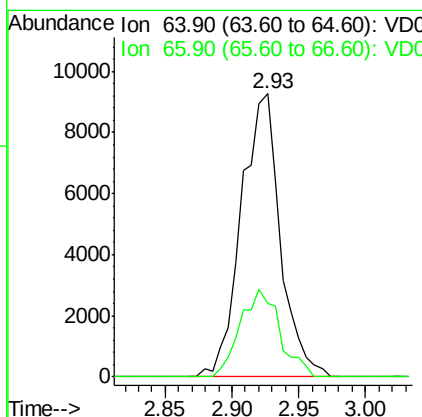
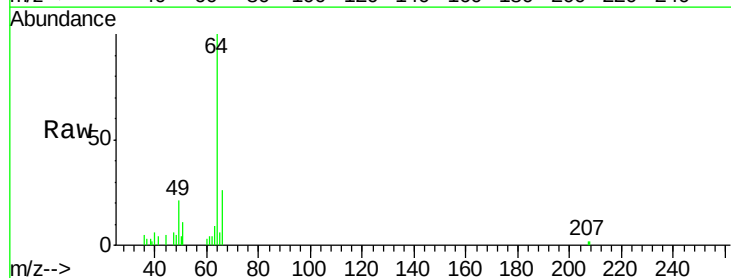
Acq: 30 Jul 2020 11:18

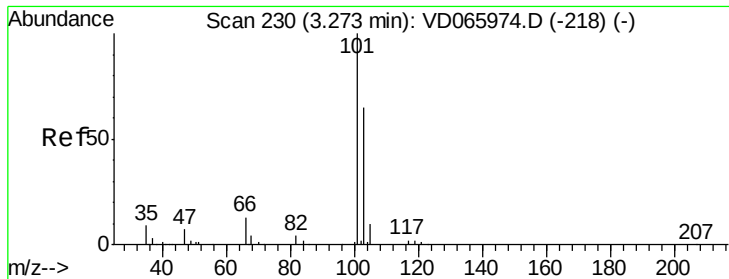
Tgt Ion: 64 Resp: 18691

Ion Ratio Lower Upper

64 100

66 25.8 23.4 35.0





#7

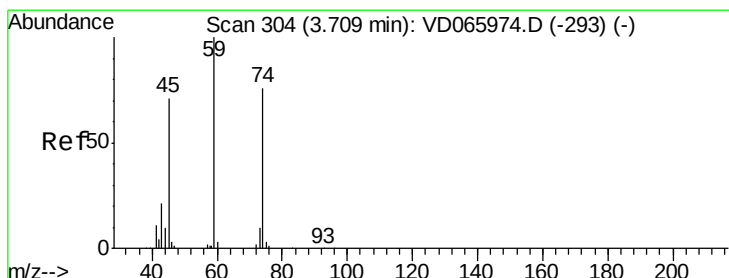
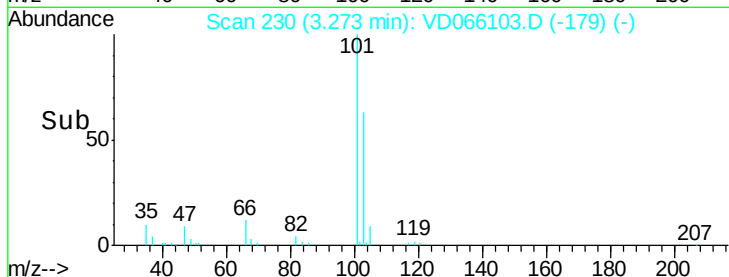
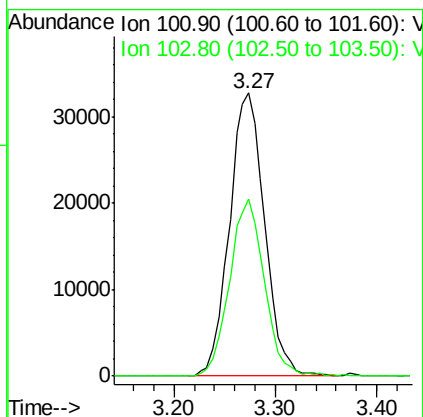
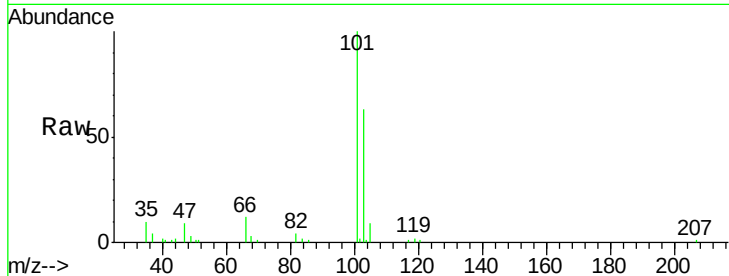
Trichlorofluoromethane
Concen: 24.056 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066103.D
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ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.1	78.1

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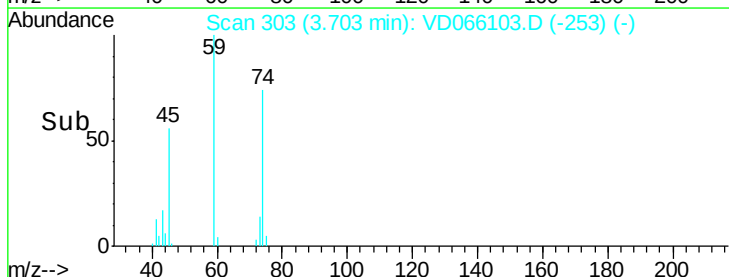
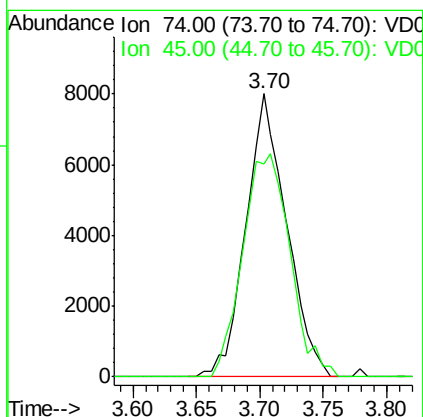
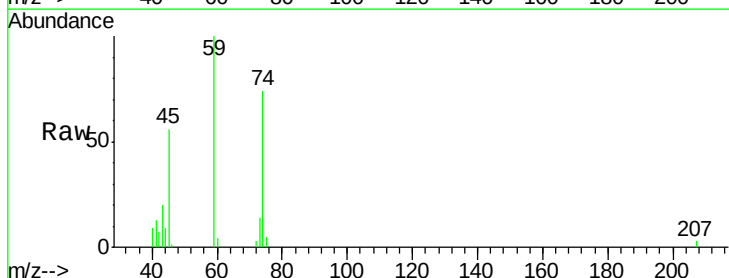
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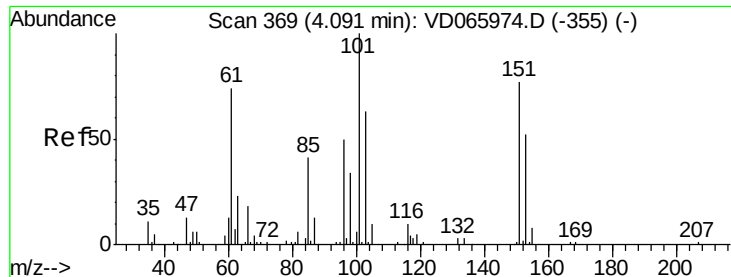


#8

Diethyl Ether
Concen: 19.839 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.373 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

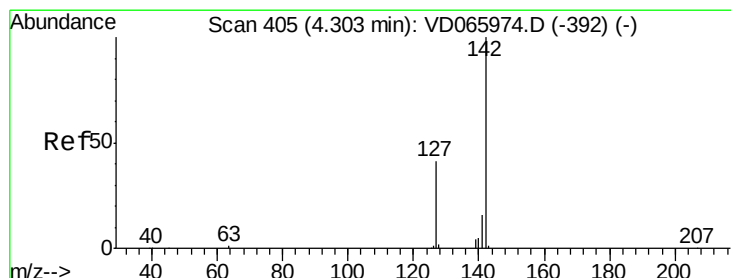
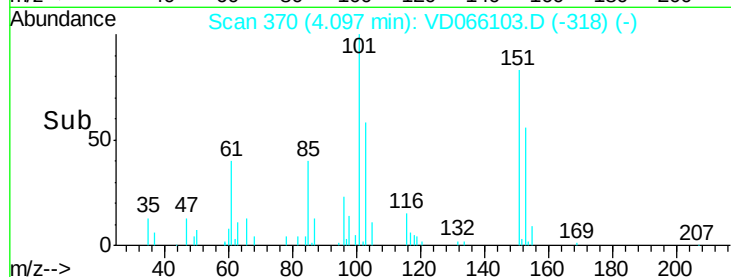
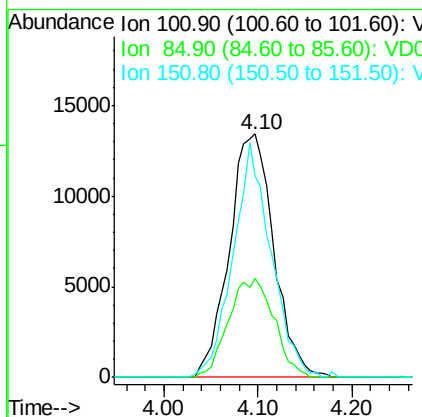
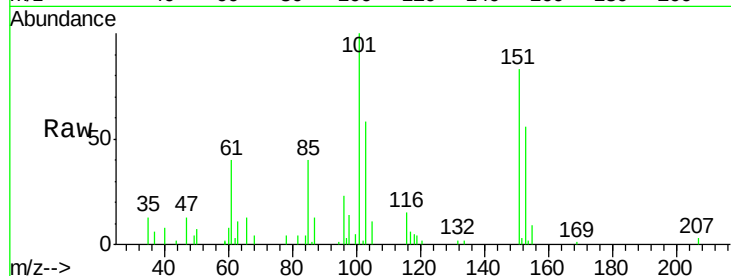
ClientSampleId :

VD0730SBS01

Tot Ion:	101	Resp:	44077
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	82.3	66.6	99.8

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#10

Methyl Iodide

Concen: 25.680 ug/l

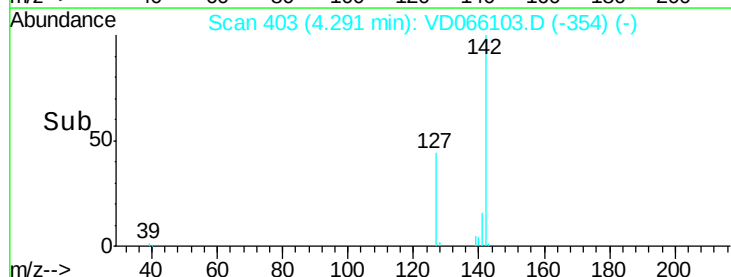
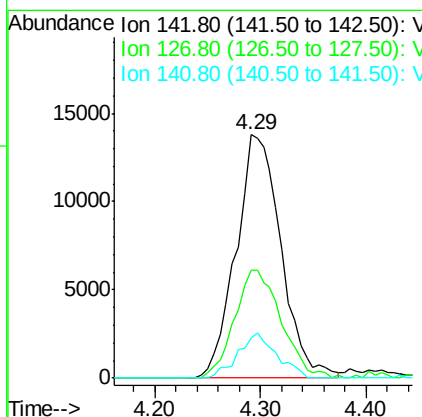
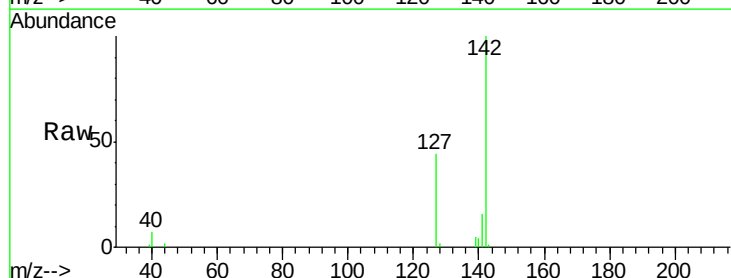
RT: 4.29 min Scan# 403

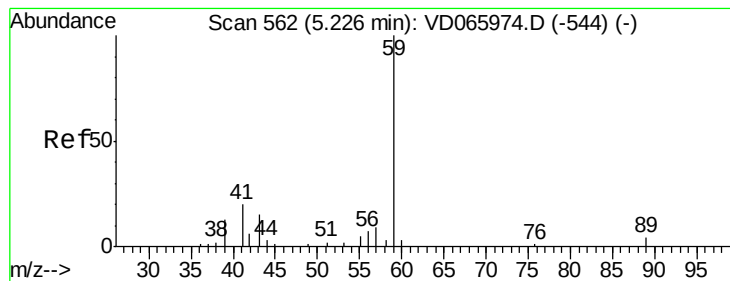
Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	142	Resp:	40751
Ion Ratio	Lower	Upper	
142	100		
127	45.9	32.9	49.3
141	15.9	11.8	17.6





#11

Tert butyl alcohol

Concen: 84.145 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 59 Resp: 11893

Ion Ratio Lower Upper

59 100

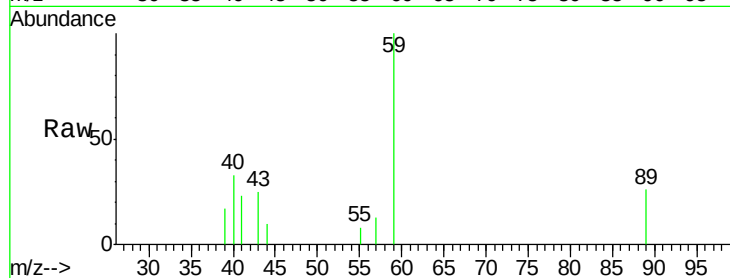
57 5.1 4.5 6.7

Manual Integrations

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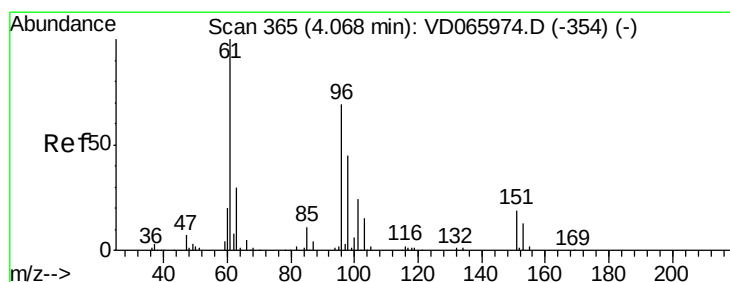
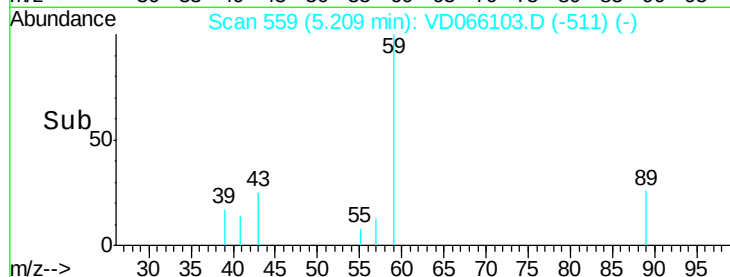
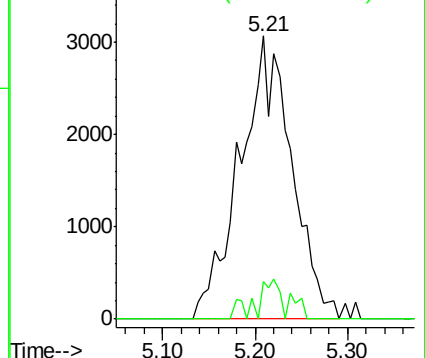
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.407 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

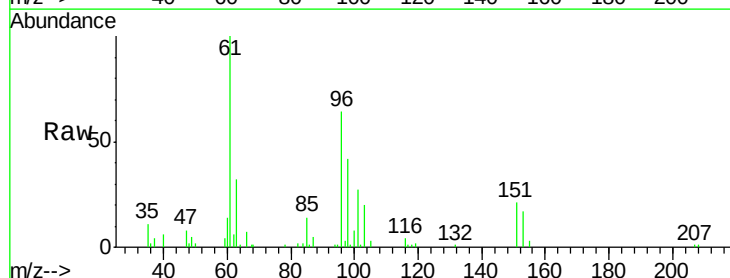
Tgt Ion: 96 Resp: 38376

Ion Ratio Lower Upper

96 100

61 156.6 115.4 173.0

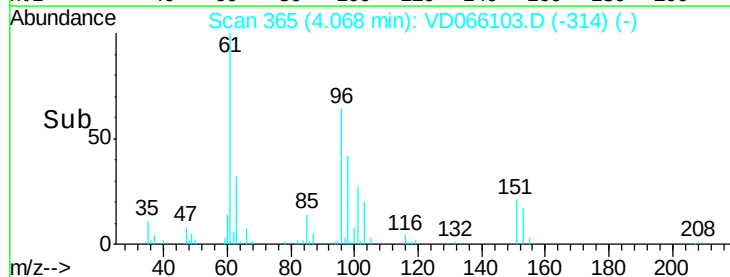
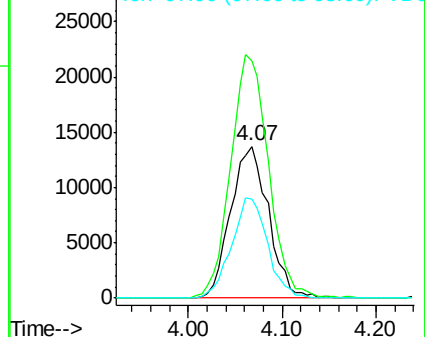
98 65.3 51.5 77.3

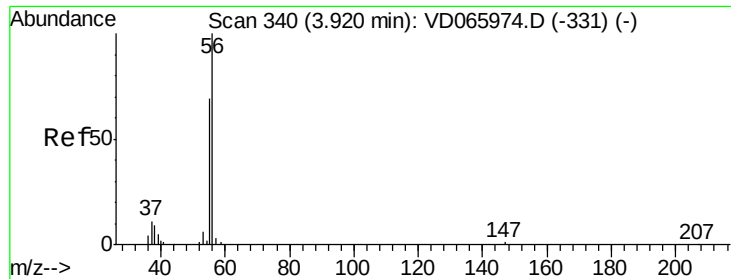


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





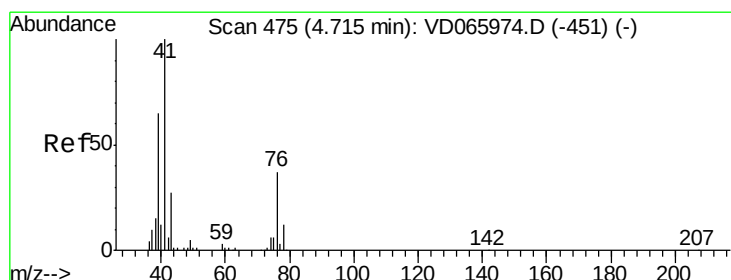
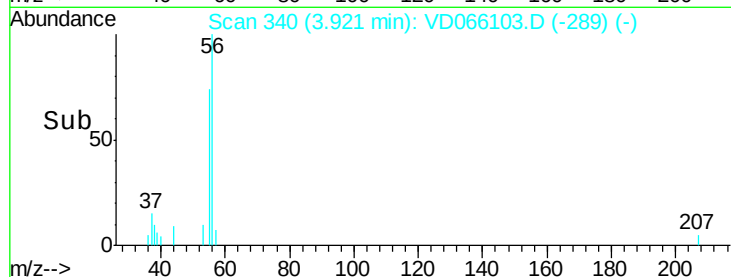
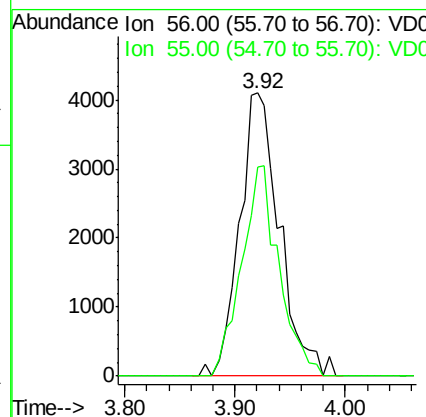
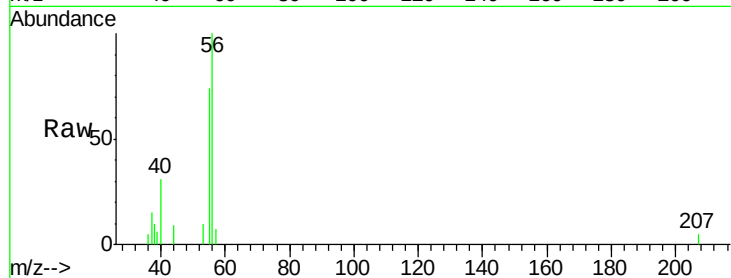
#13
Acrolein
Concen: 66.839 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	56	Resp	10422
Ion Ratio	100	Lower	Upper
56	100		
55	69.4	55.8	83.8

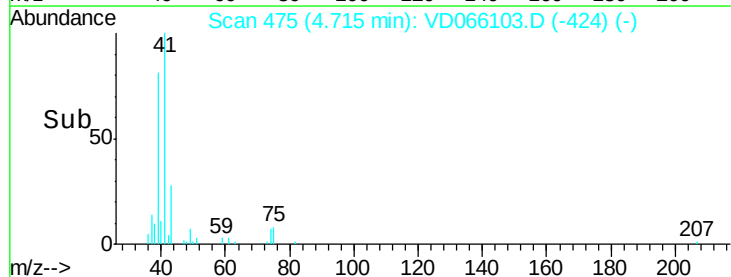
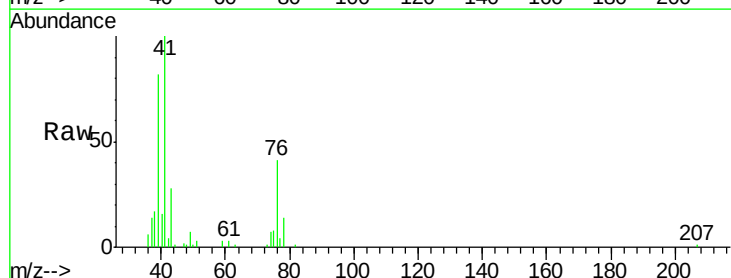
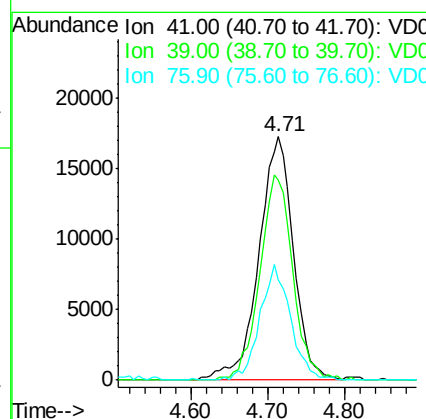
Manual Integrations
APPROVED

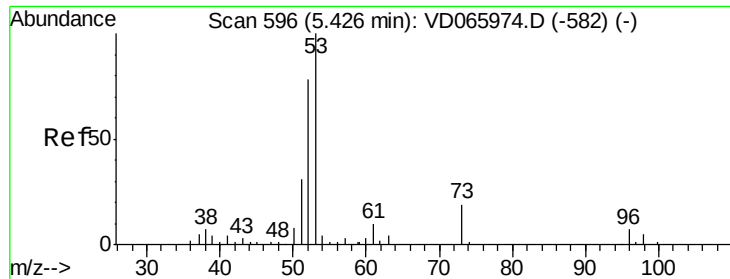
MMDadoda
7/31/2020 11:56:11 AM



#14
Allyl chloride
Concen: 18.343 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	41	Resp	53921
Ion Ratio	100	Lower	Upper
41	100		
39	80.7	53.4	80.2#
76	42.2	29.1	43.7





#15

Acrylonitrile

Concen: 94.713 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

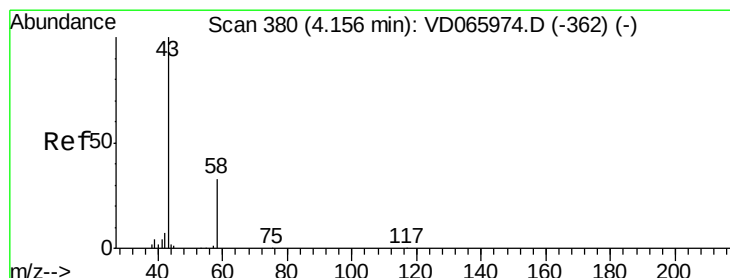
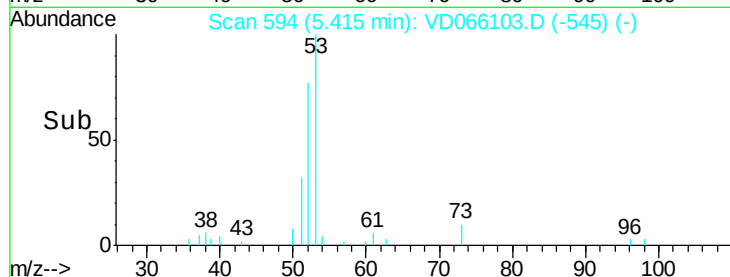
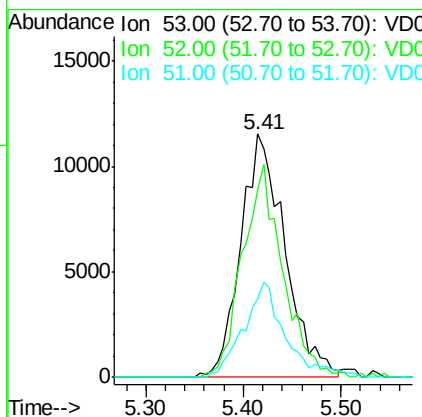
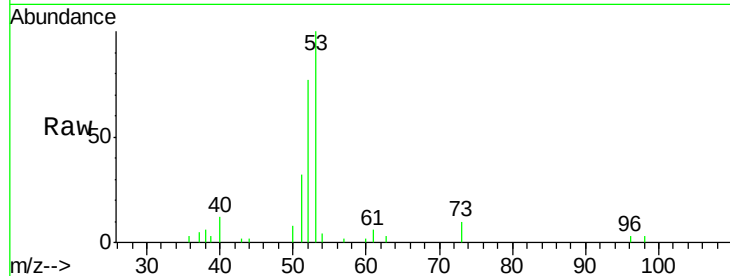
ClientSampleId :

VD0730SBS01

Tot Ion:	53	Resp:	36493
Ion	Ratio	Lower	Upper
53	100		
52	79.8	67.1	100.7
51	37.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 94.233 ug/l

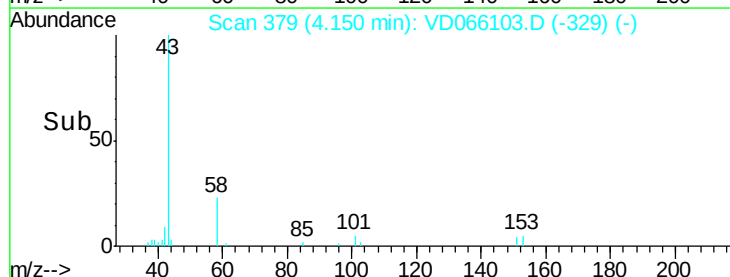
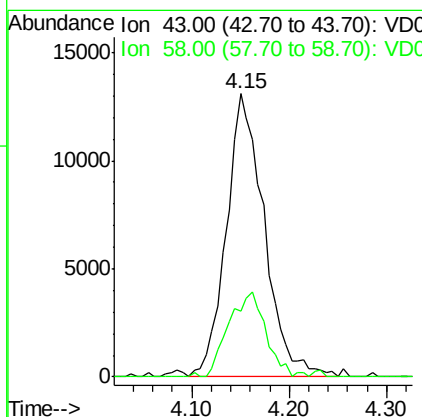
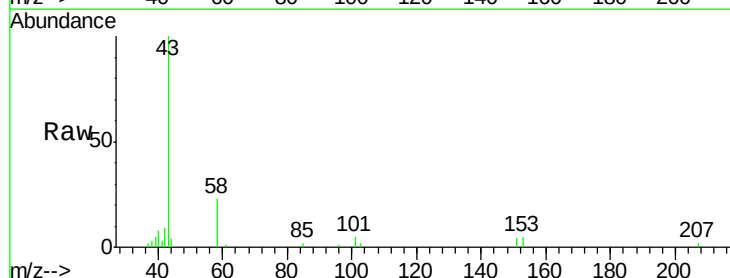
RT: 4.15 min Scan# 379

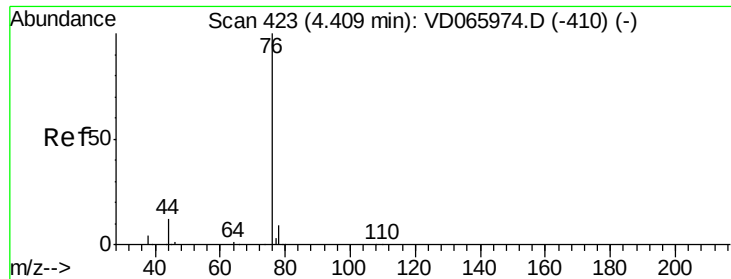
Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	43	Resp:	35301
Ion	Ratio	Lower	Upper
43	100		
58	23.4	26.3	39.5#





#17

Carbon Disulfide

Concen: 18.806 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 76 Resp: 114720

Ion Ratio Lower Upper

76 100

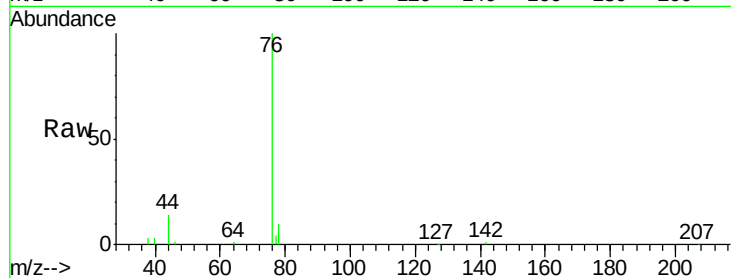
78 9.8 7.4 11.2

Manual Integrations

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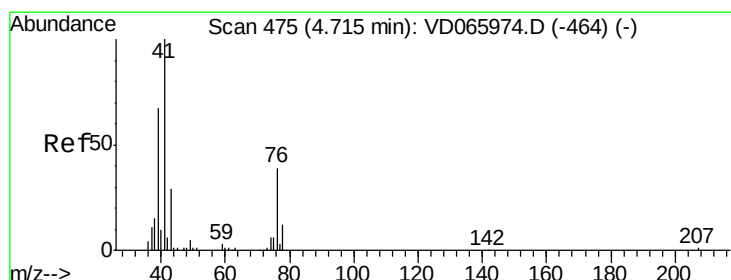
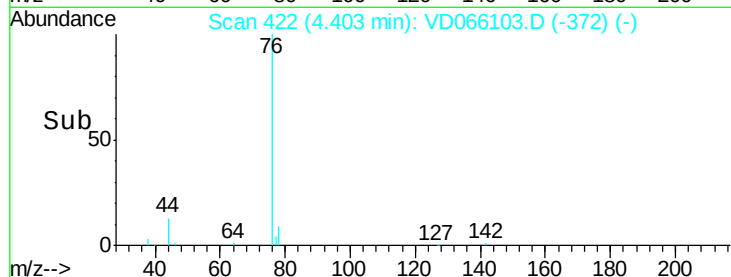
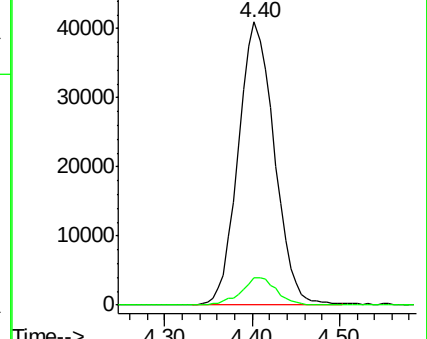
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.806 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066103.D

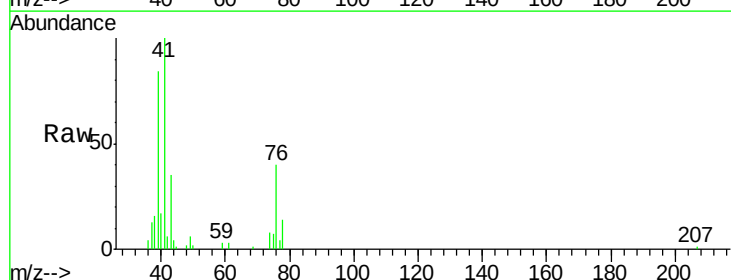
Acq: 30 Jul 2020 11:18

Tgt Ion: 43 Resp: 15517

Ion Ratio Lower Upper

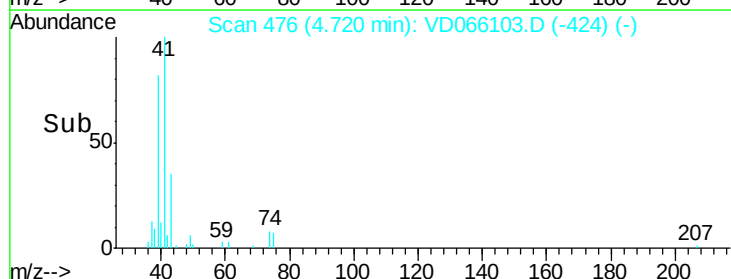
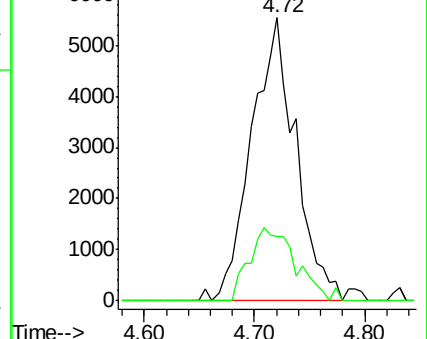
43 100

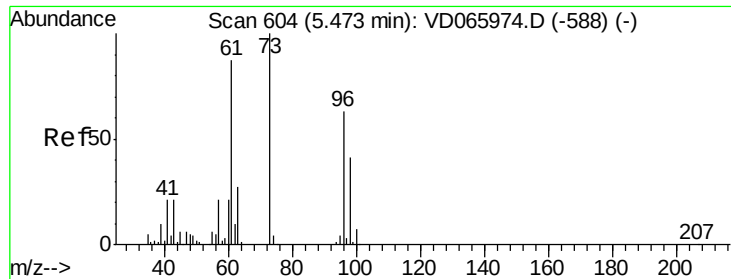
74 26.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





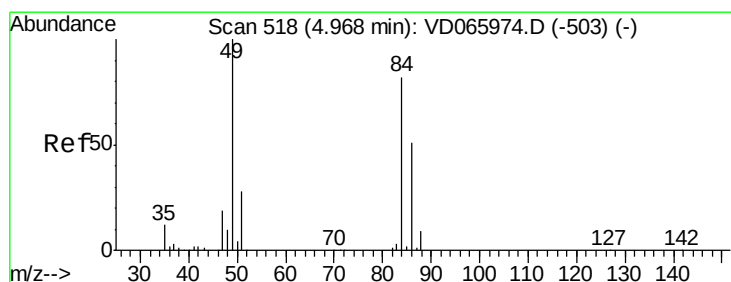
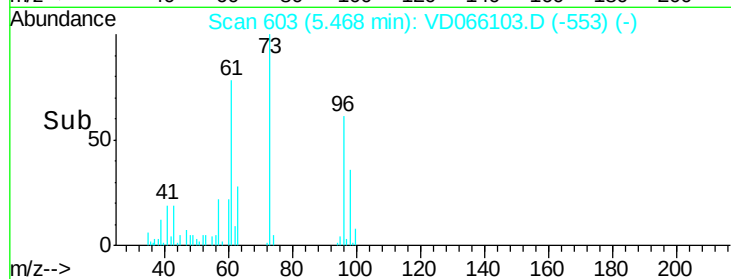
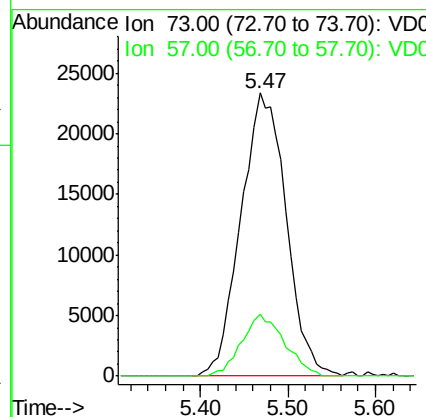
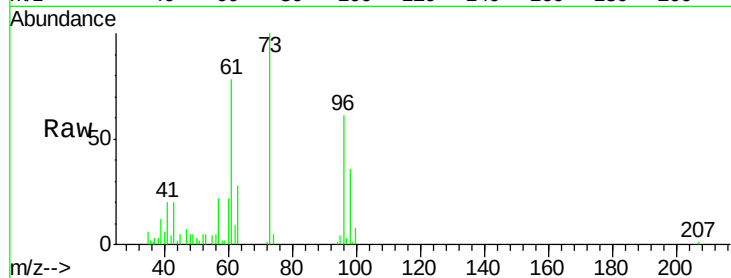
#19
Methyl tert-butyl Ether
Concen: 21.356 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 73 Resp: 82515
Ion Ratio Lower Upper
73 100
57 21.9 17.0 25.4

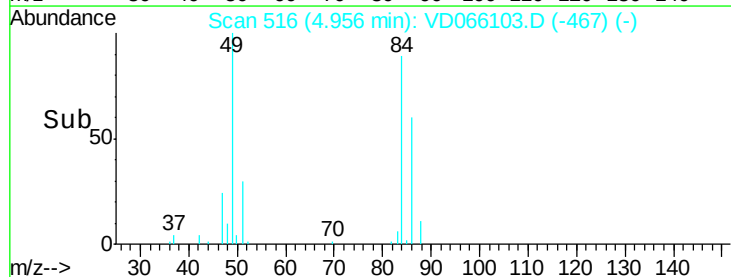
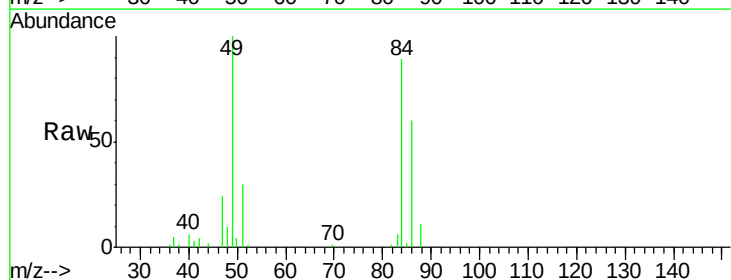
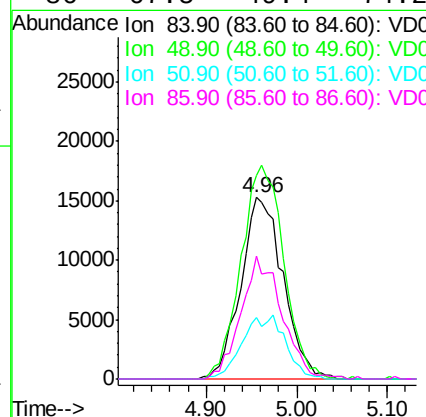
Manual Integrations
APPROVED

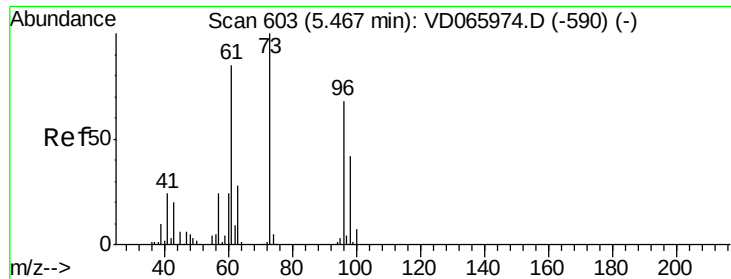
MMDadoda
7/31/2020 11:56:11 AM



#20
Methylene Chloride
Concen: 22.282 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 84 Resp: 49559
Ion Ratio Lower Upper
84 100
49 111.9 97.7 146.5
51 33.9 27.4 41.2
86 67.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.979 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

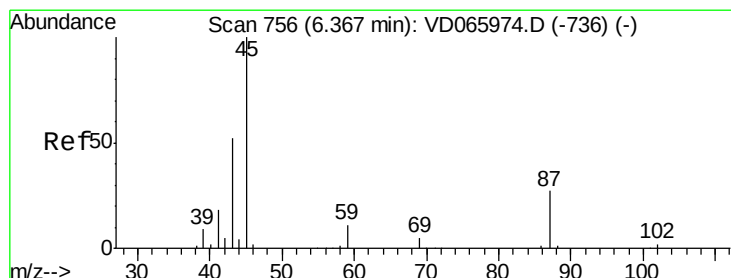
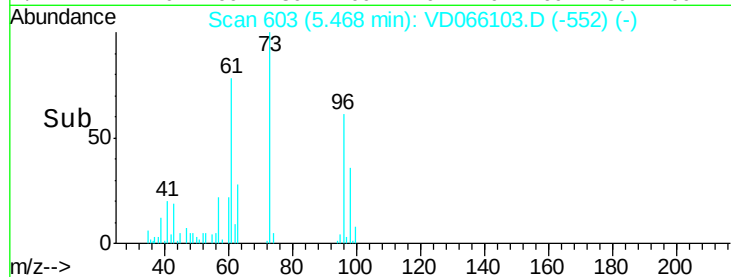
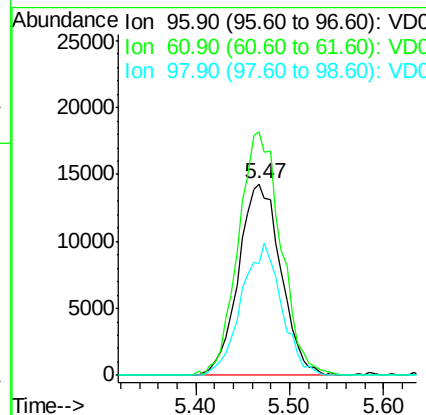
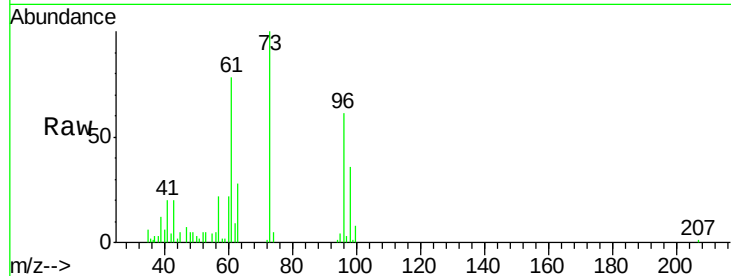
ClientSampleId :

VD0730SBS01

Tot Ion:	96	Resp:	44589
Ion	Ratio	Lower	Upper
96	100		
61	127.2	100.5	150.7
98	58.1	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.090 ug/l

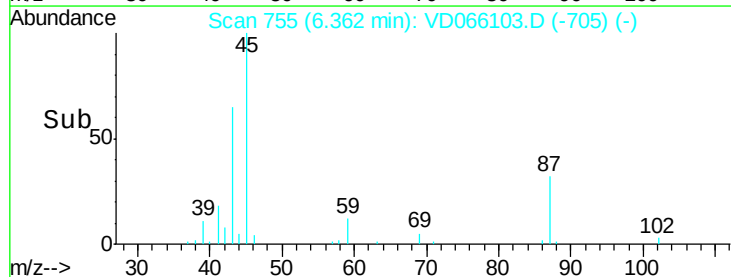
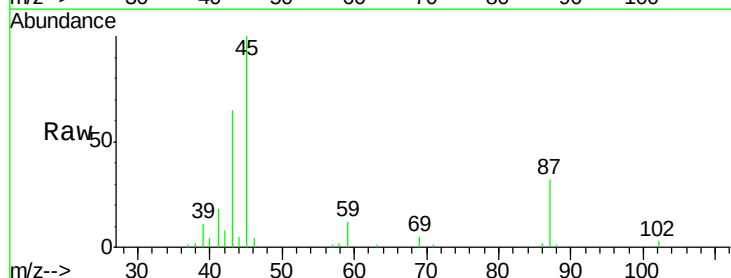
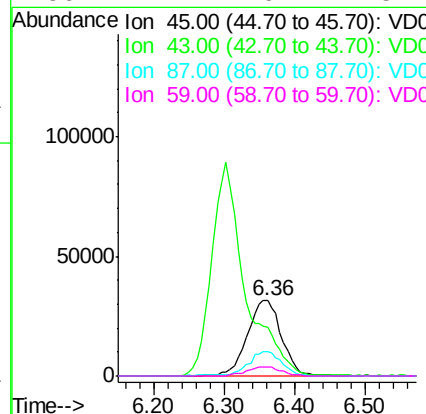
RT: 6.36 min Scan# 755

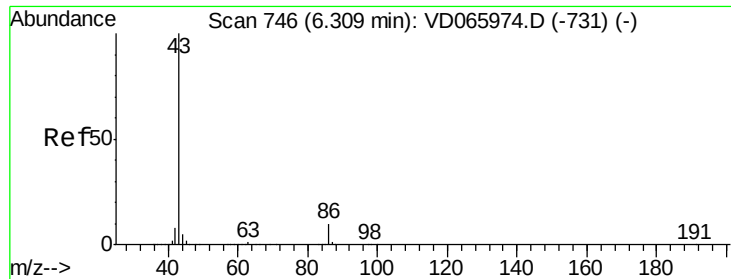
Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	45	Resp:	106614
Ion	Ratio	Lower	Upper
45	100		
43	64.1	43.0	64.4
87	31.1	22.0	33.0
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 93.855 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 43 Resp: 295614

Ion Ratio Lower Upper

43 100

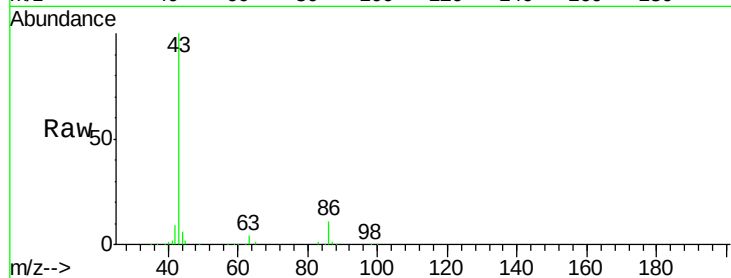
86 10.5 7.9 11.9

Manual Integrations

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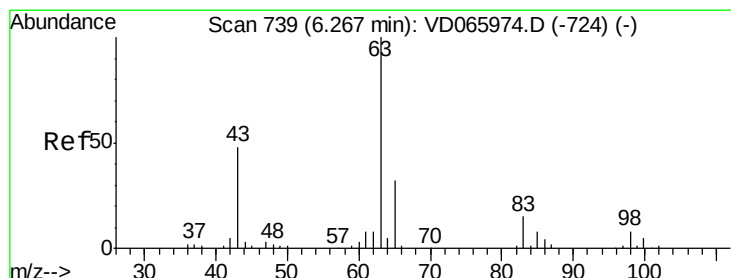
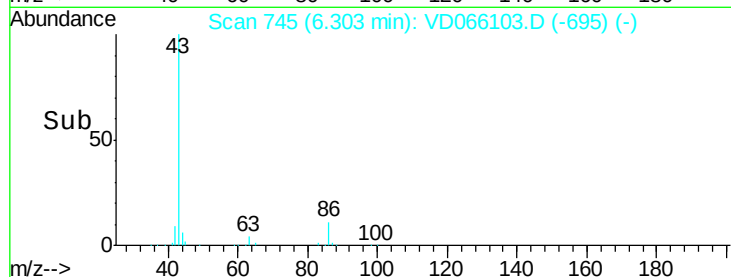
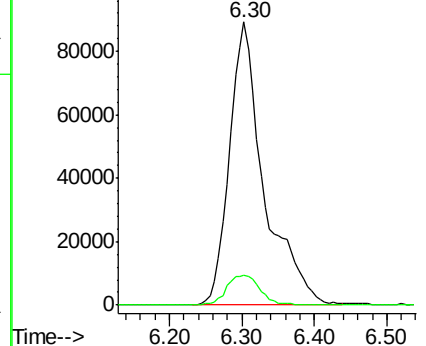
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.104 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

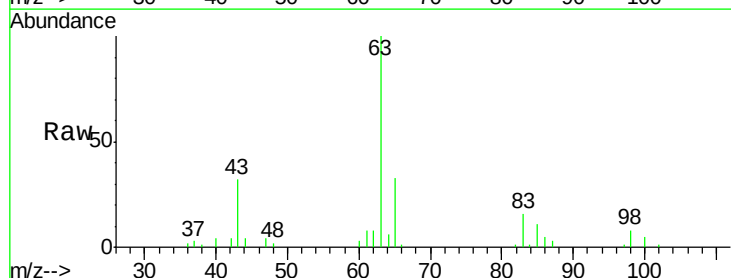
Tgt Ion: 63 Resp: 71415

Ion Ratio Lower Upper

63 100

98 8.0 4.3 12.8

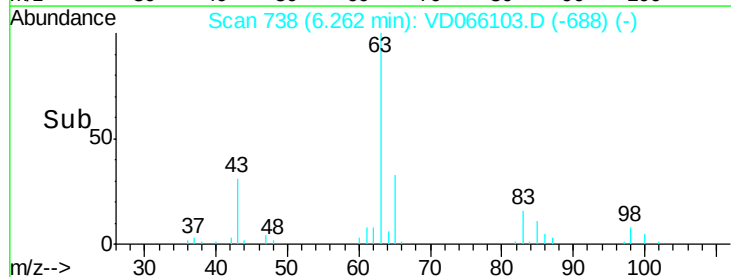
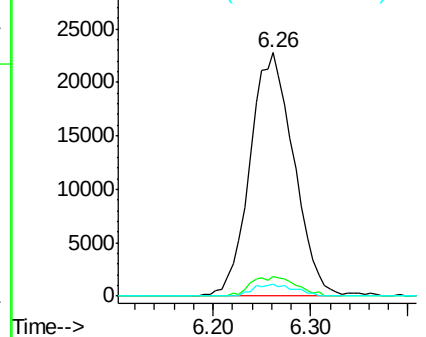
100 5.1 2.5 7.5

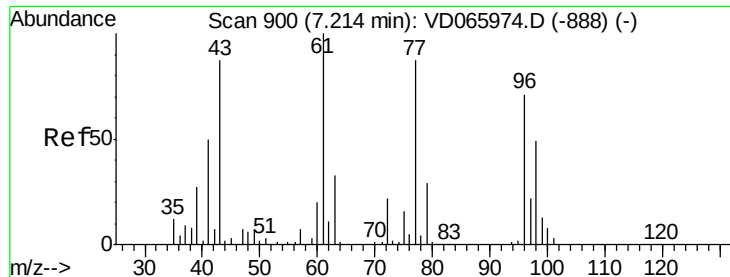


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 85.982 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 43 Resp: 42740

Ion Ratio Lower Upper

43 100

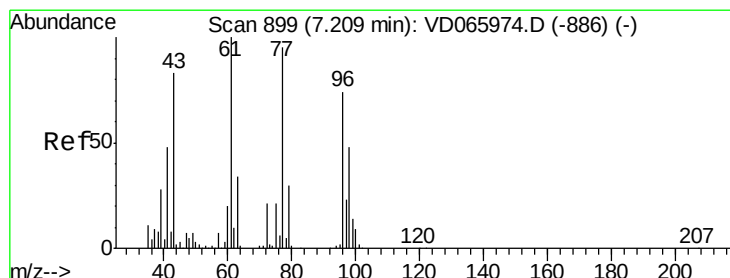
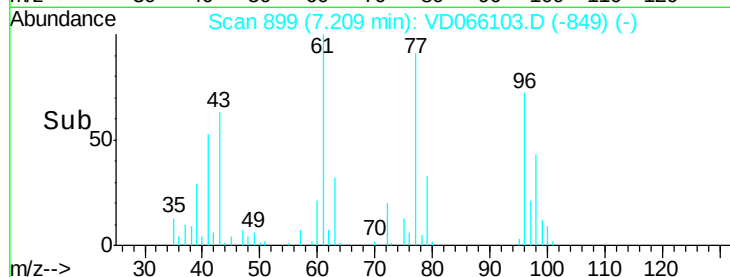
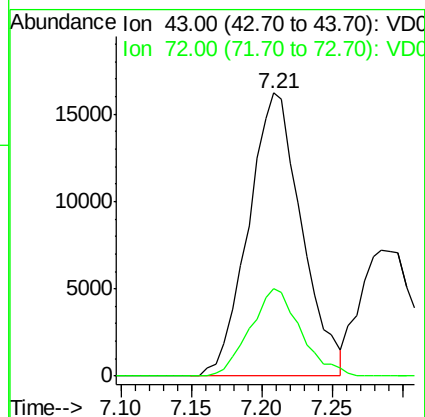
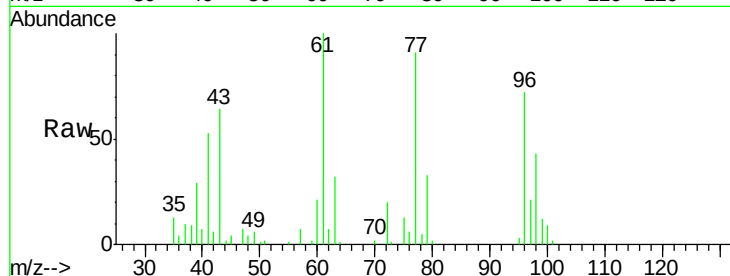
72 30.7 20.2 30.2#

Manual Integrations

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MMDadoda

7/31/2020 11:56:11 AM



#26

2,2-Dichloropropane

Concen: 23.118 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066103.D

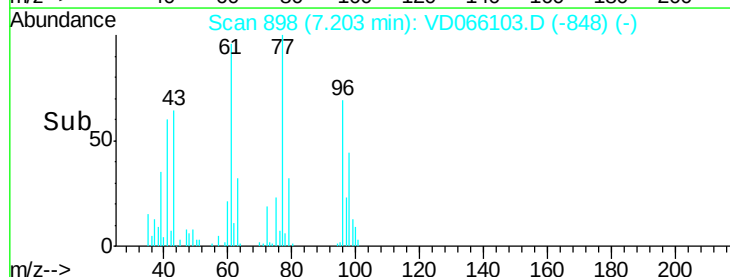
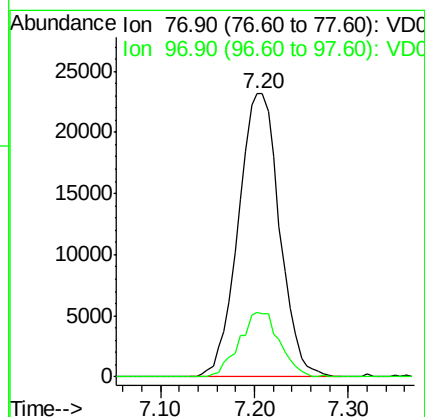
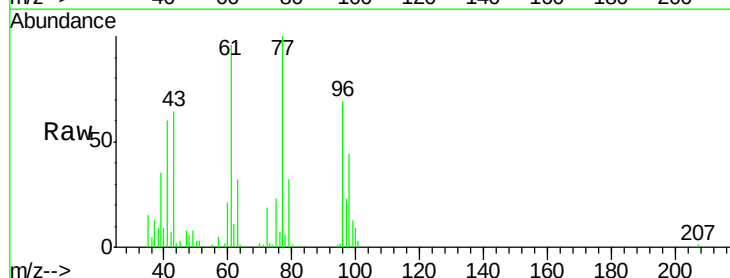
Acq: 30 Jul 2020 11:18

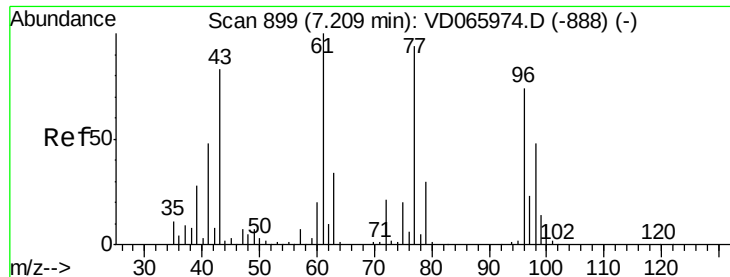
Tgt Ion: 77 Resp: 70348

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

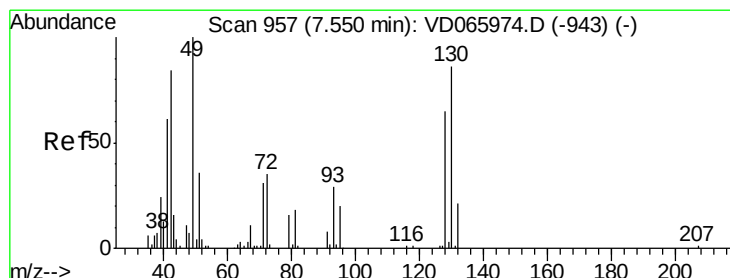
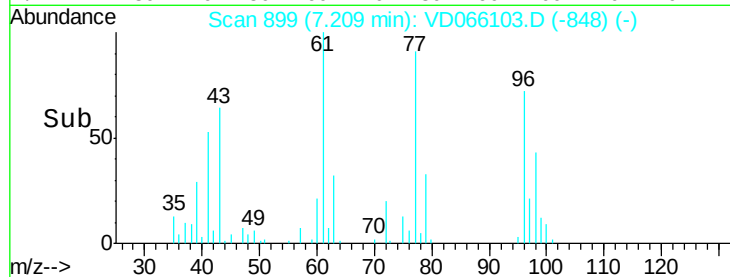
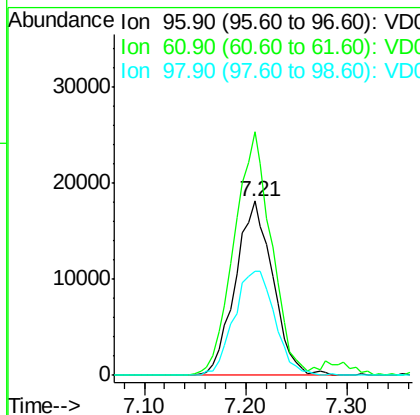
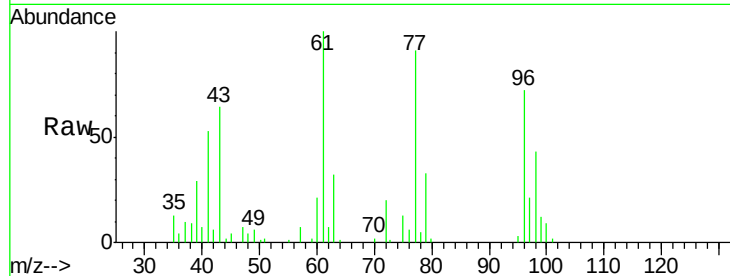
cis-1,2-Dichloroethene
Concen: 20.693 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	276.6
98	64.9	0.0	130.8

Manual Integrations
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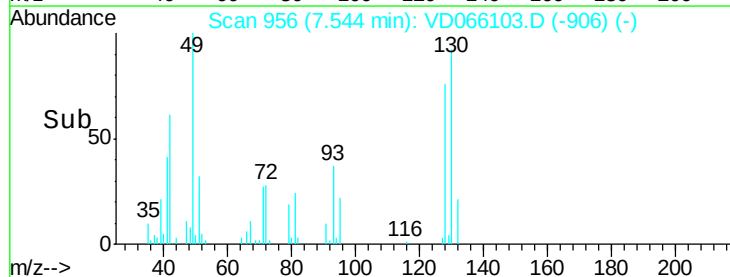
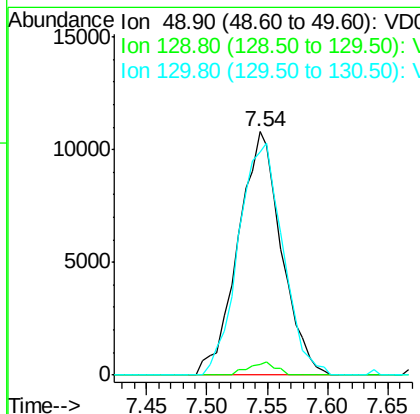
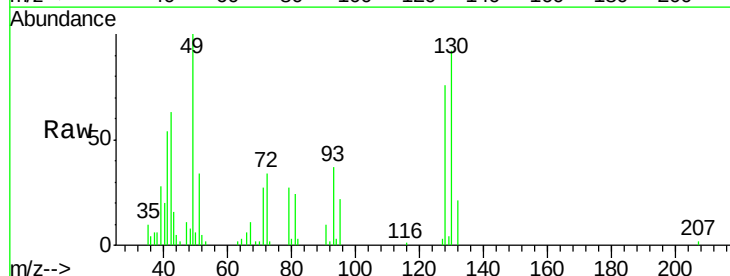
MMDadoda
7/31/2020 11:56:11 AM

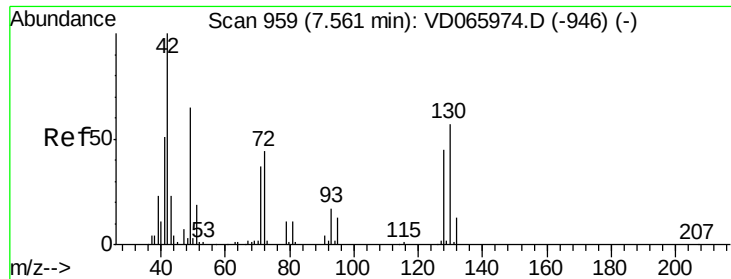


#28

Bromochloromethane
Concen: 18.742 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.8
130	97.8	68.4	102.6





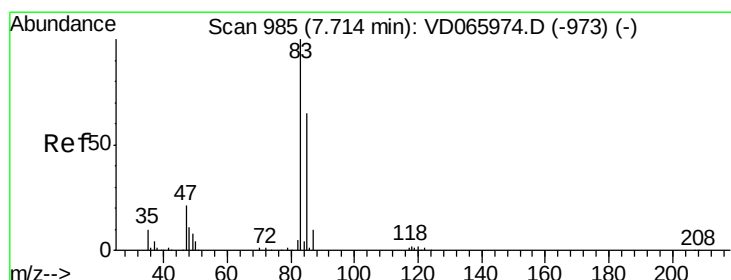
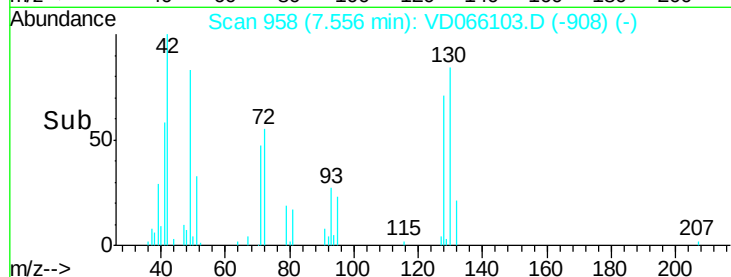
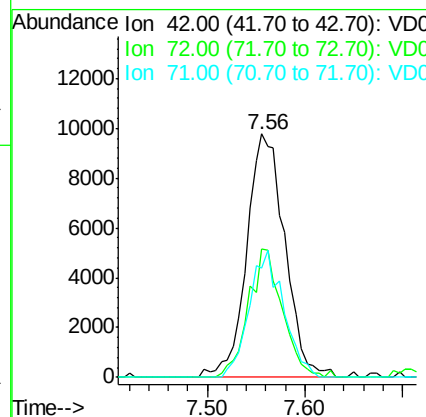
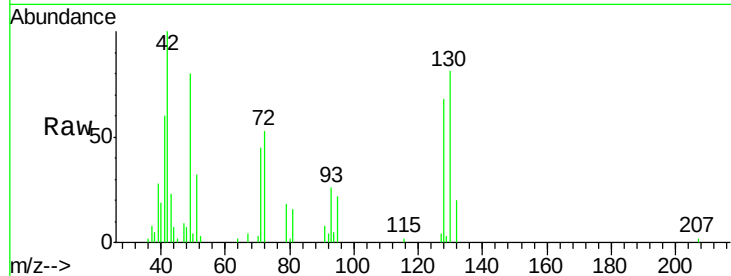
#29
Tetrahydrofuran
Concen: 86.980 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.2	51.2
71	46.8	31.4	47.2

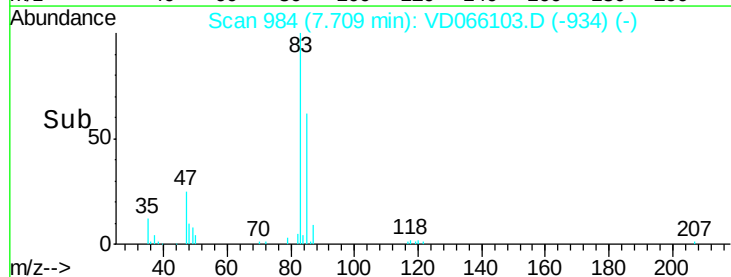
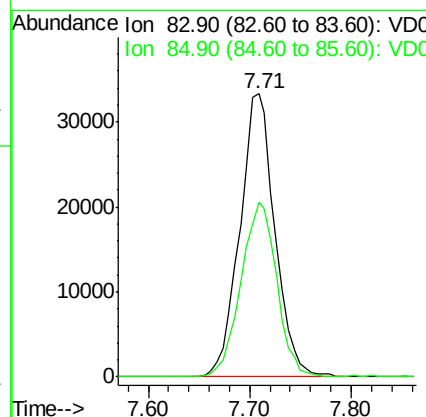
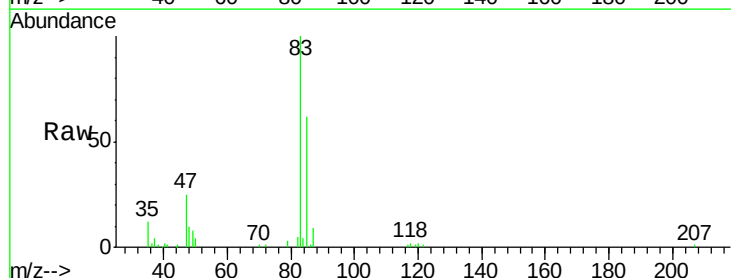
Manual Integrations
APPROVED

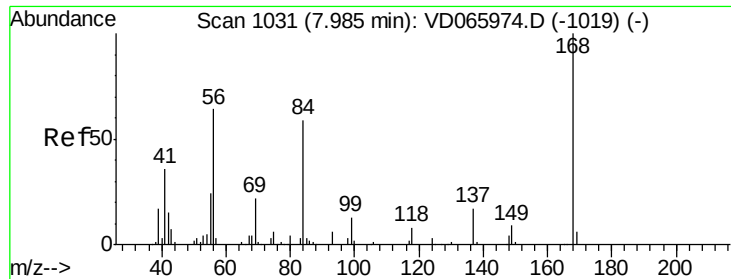
MMDadoda
7/31/2020 11:56:11 AM



#30
Chloroform
Concen: 22.501 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.1	78.1





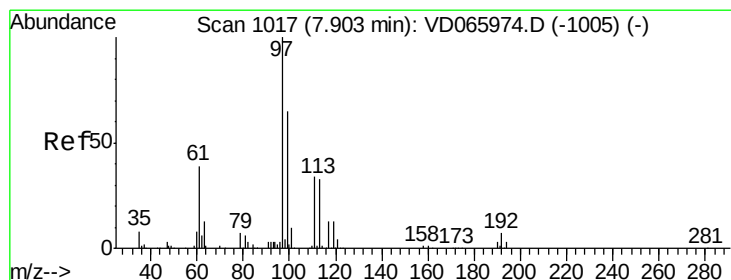
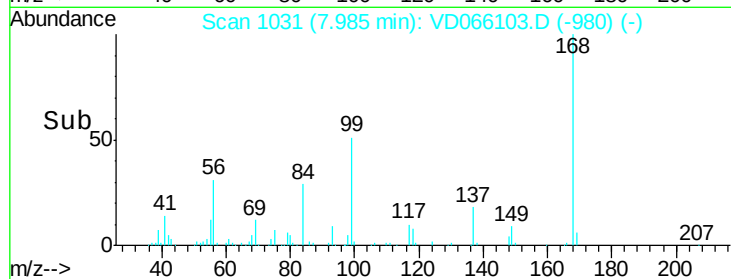
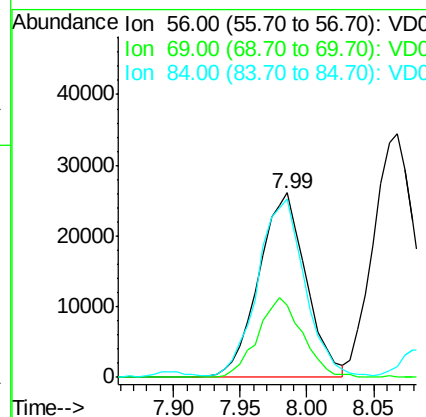
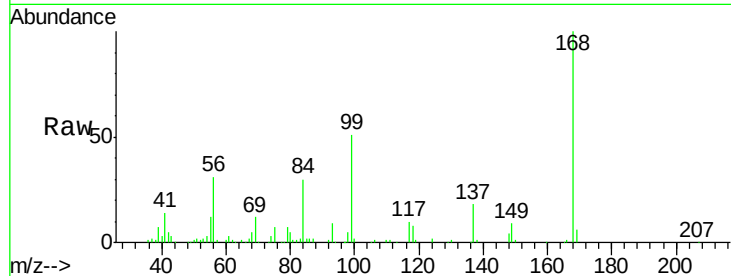
#31
Cyclohexane
Concen: 19.280 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	39.0	28.0	42.0	
84	95.3	72.6	109.0	

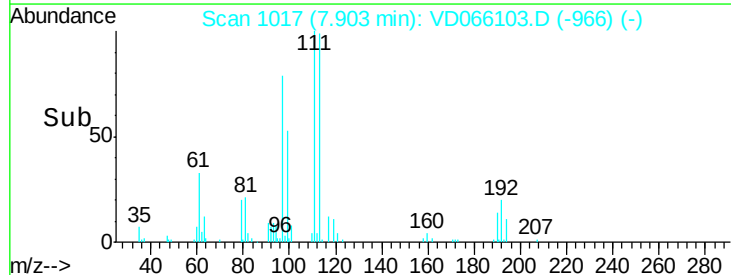
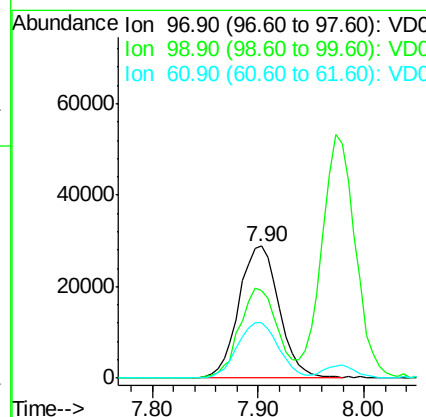
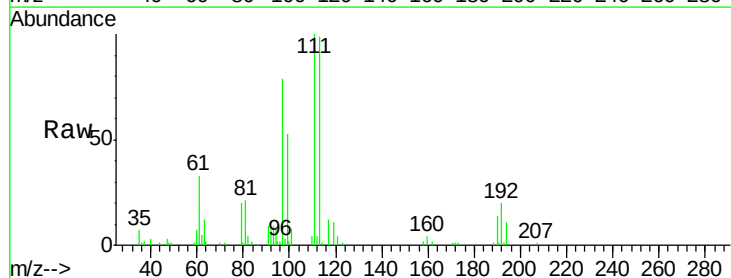
Manual Integrations
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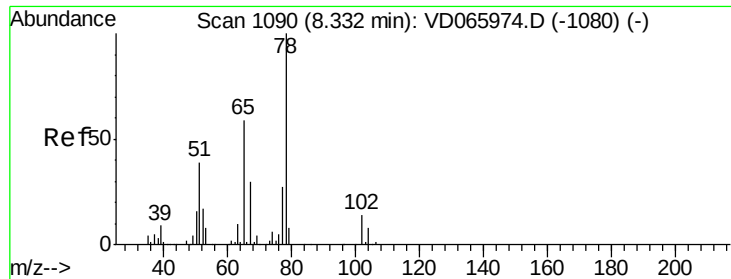
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#32
1,1,1-Trichloroethane
Concen: 23.426 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	65.5	51.8	77.6	
61	42.4	33.3	49.9	





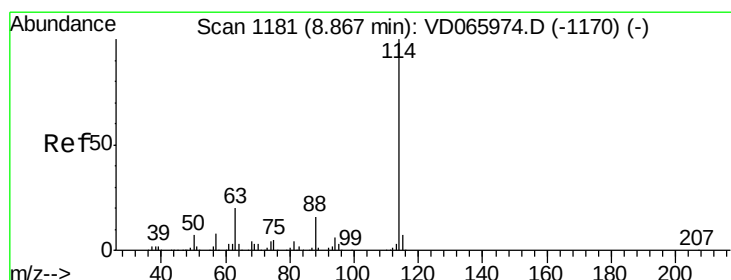
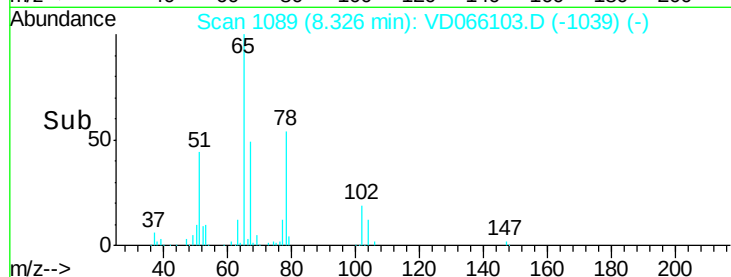
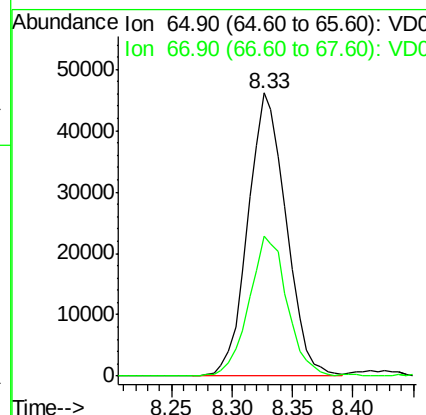
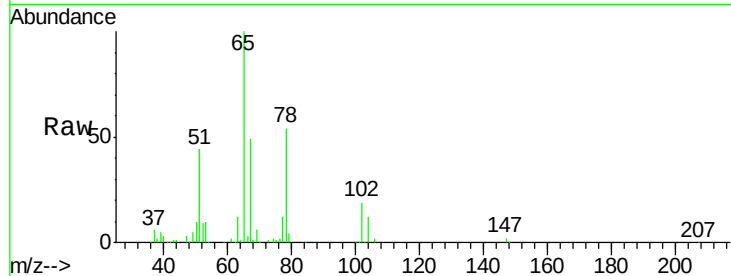
#33
 1,2-Dichloroethane-d4
 Concen: 54.859 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101530		
67	49.2	0.0	105.0	

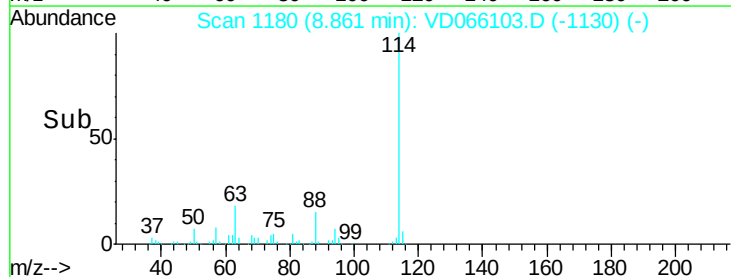
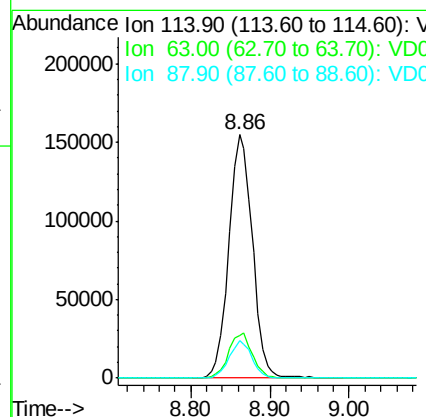
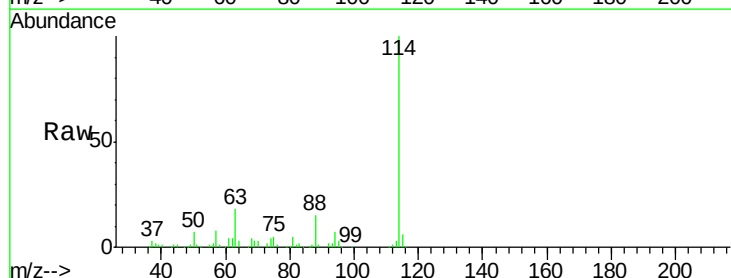
Manual Integrations
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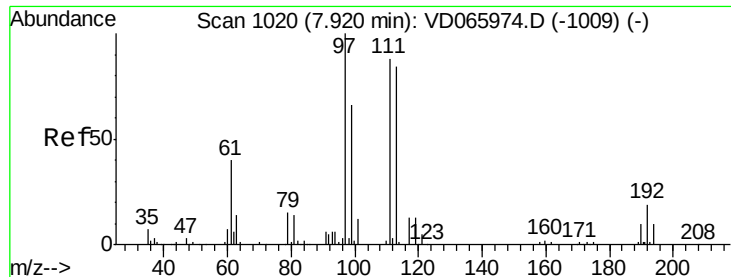
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318157		
63	17.7	0.0	39.6	
88	15.2	0.0	31.2	





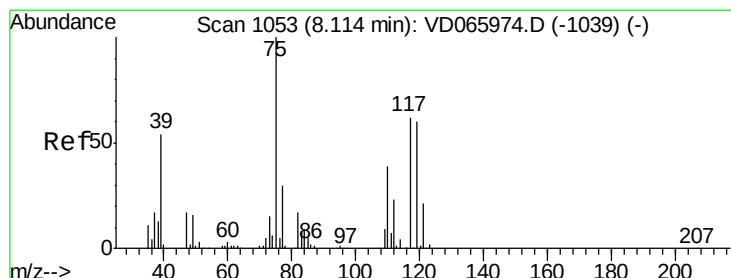
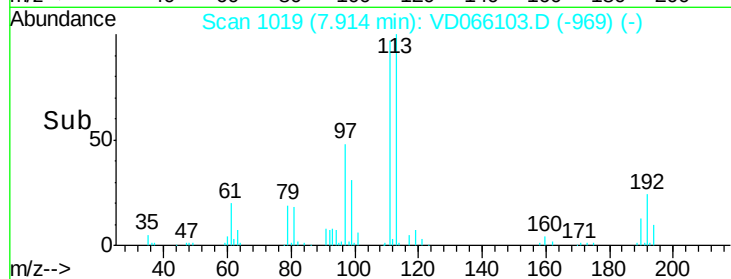
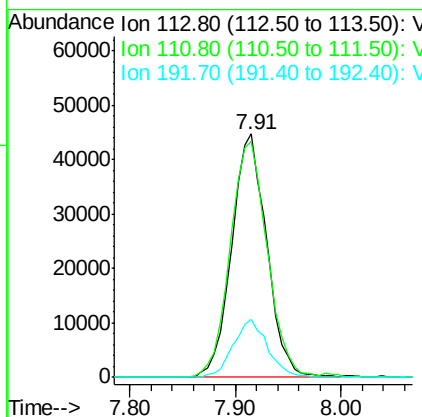
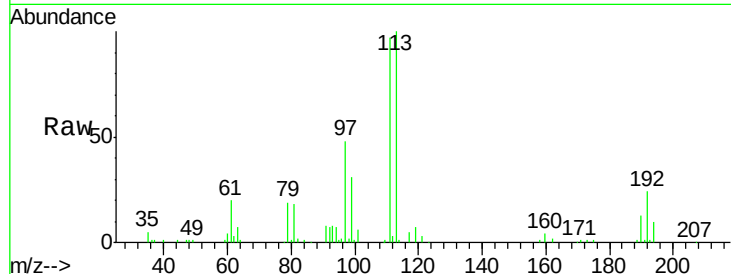
#35
 Dibromofluoromethane
 Concen: 53.310 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102874		
111	102.4	83.2	124.8	
192	23.2	18.7	28.1	

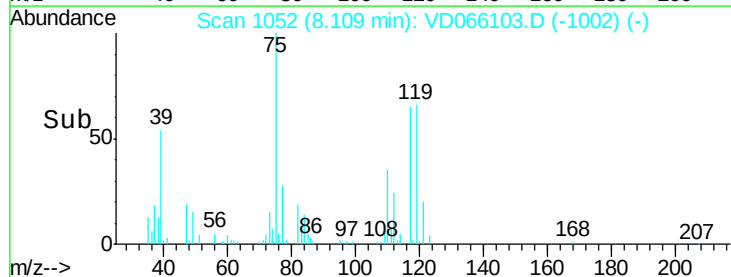
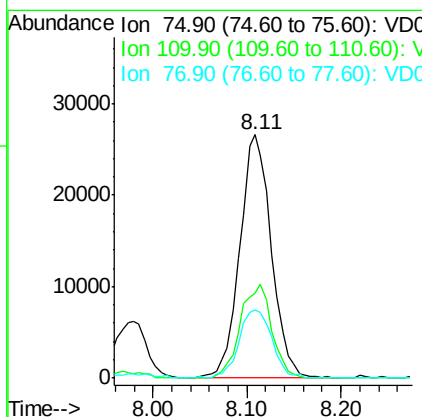
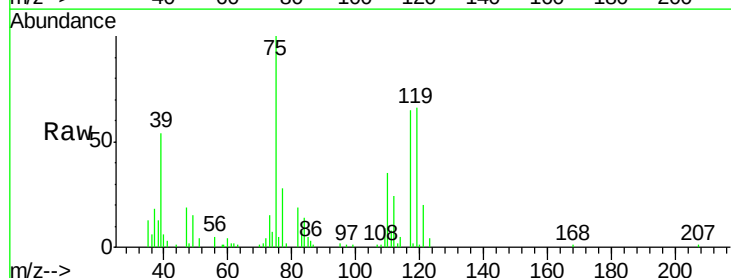
Manual Integrations
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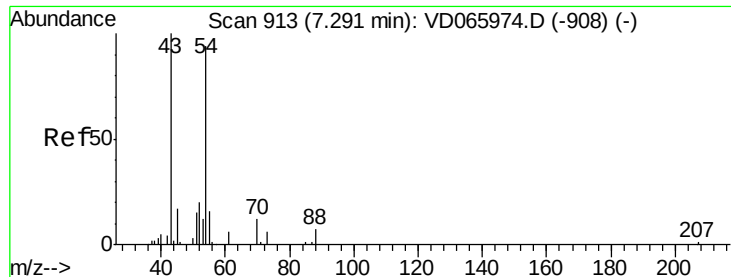
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#36
 1,1-Dichloropropene
 Concen: 22.765 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61814		
110	38.4	19.5	58.5	
77	29.2	24.7	37.1	





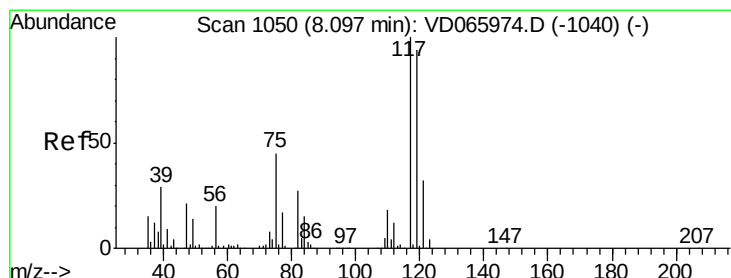
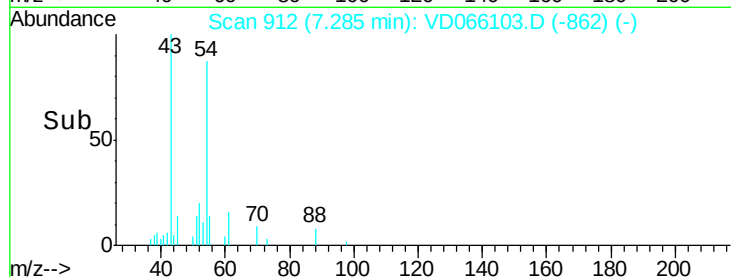
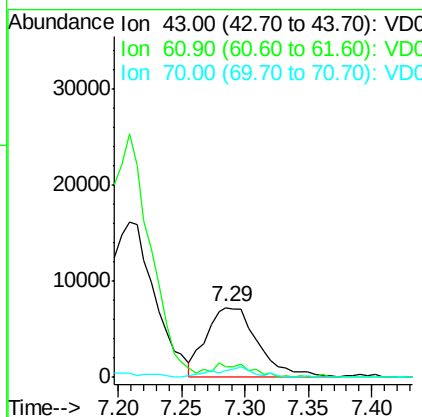
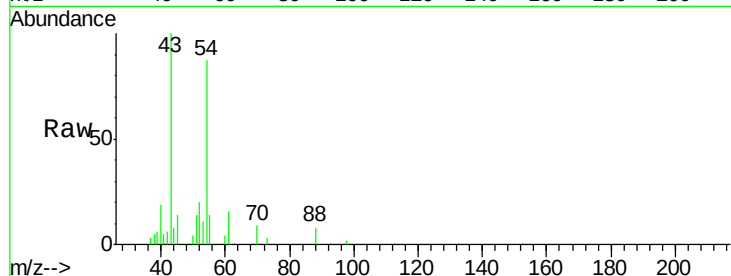
#37
Ethyl Acetate
Concen: 19.751 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.4	17.0
70	11.2	9.3	13.9

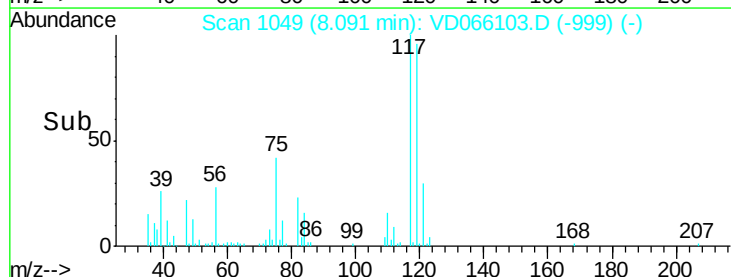
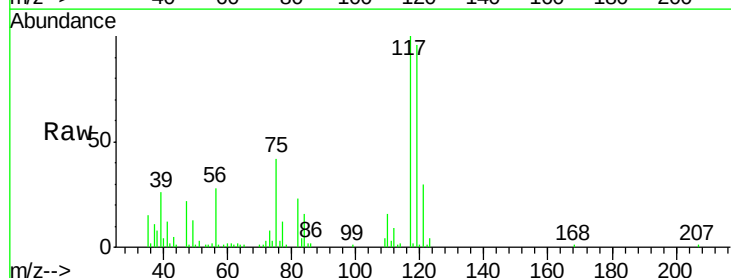
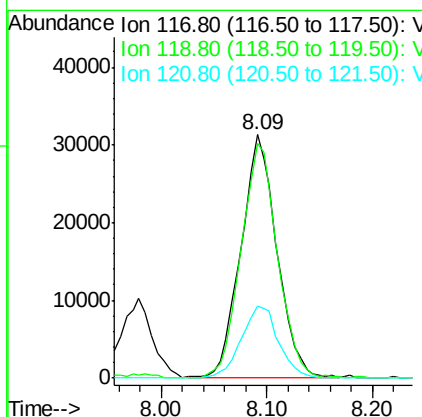
Manual Integrations
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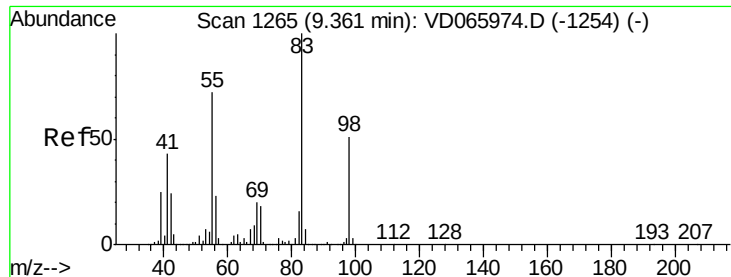
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#38
Carbon Tetrachloride
Concen: 25.208 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.0	112.6
121	29.8	25.5	38.3





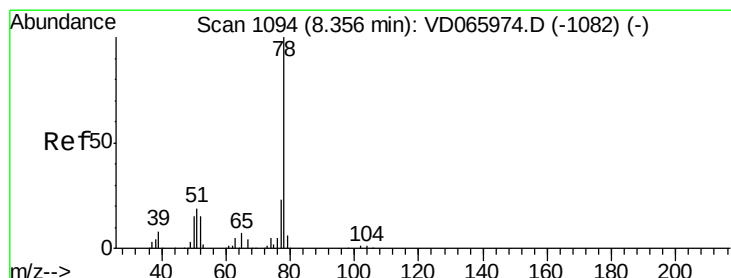
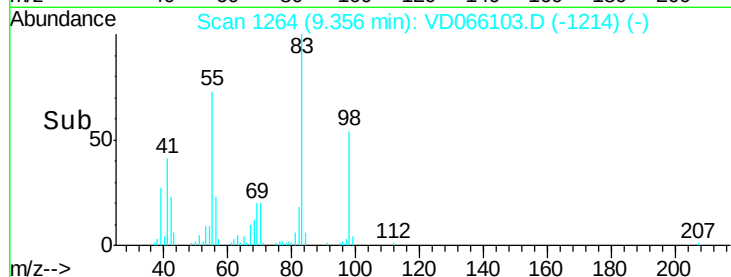
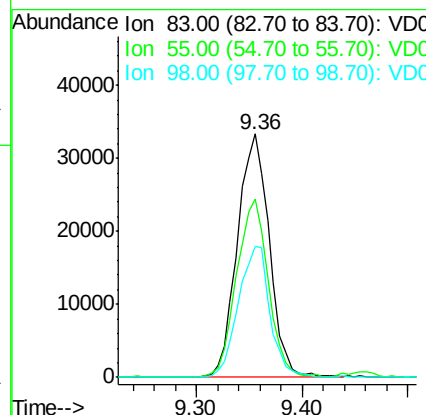
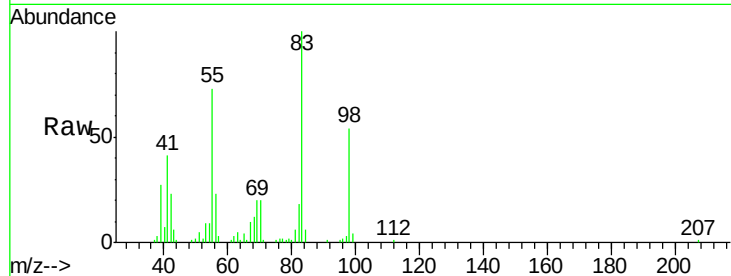
#39
Methylvlcyclohexane
Concen: 21.245 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	83	Resp	69859
Ion Ratio	Lower	Upper	
83	100		
55	73.3	57.3	85.9
98	53.7	41.0	61.6

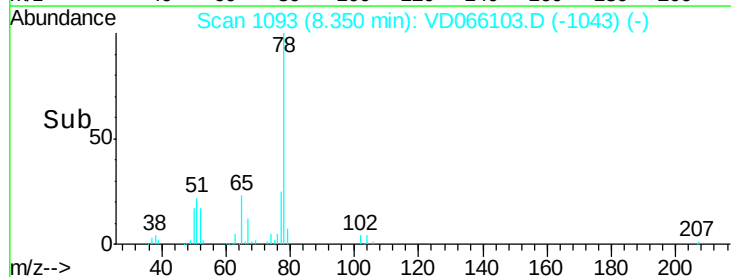
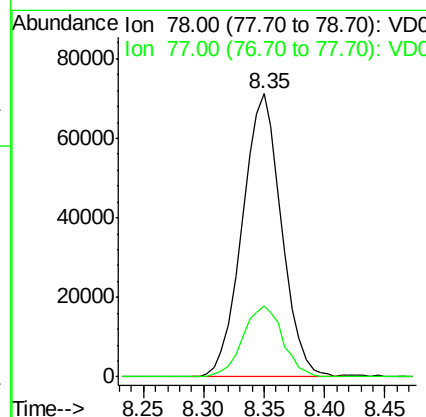
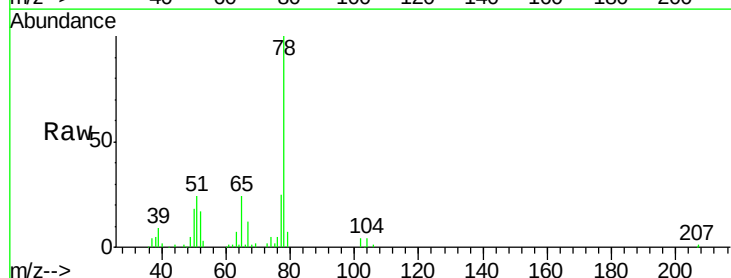
Manual Integrations
APPROVED

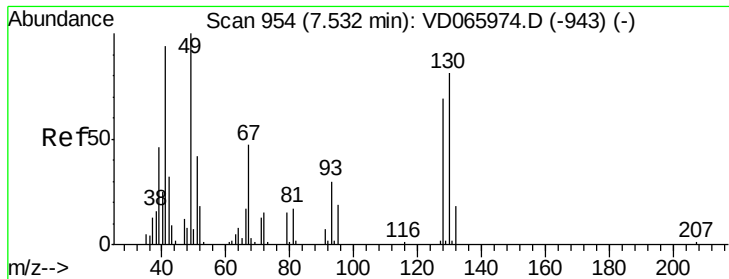
MMDadoda
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#40
Benzene
Concen: 21.195 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	78	Resp	161005
Ion Ratio	Lower	Upper	
78	100		
77	24.9	18.6	27.8





#41

Methacrylonitrile

Concen: 21.976 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 41 Resp: 13055

Ion Ratio Lower Upper

41 100

39 54.3 0.0 0.0#

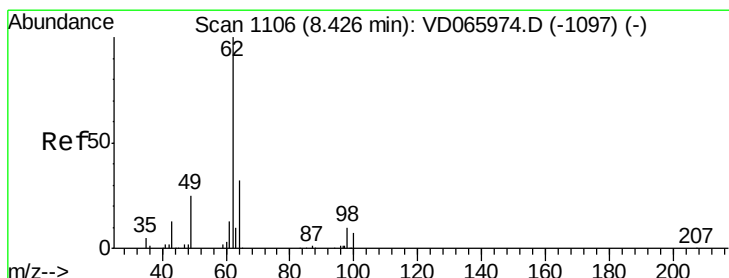
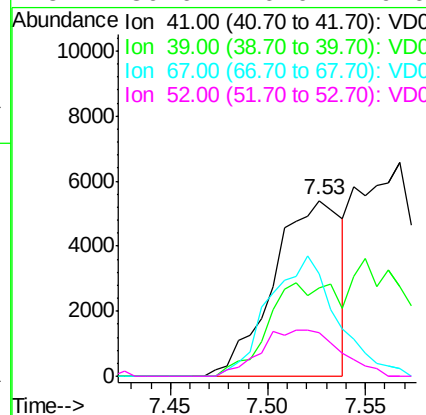
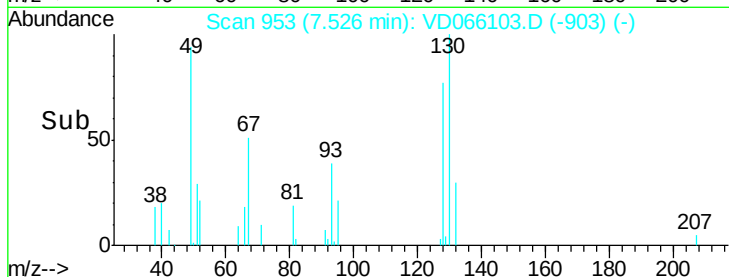
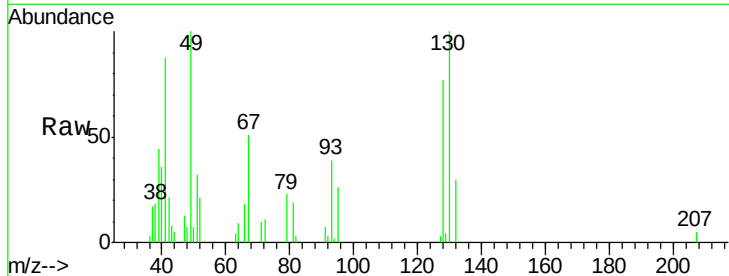
67 68.3 0.0 0.0#

52 30.6 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 24.472 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD066103.D

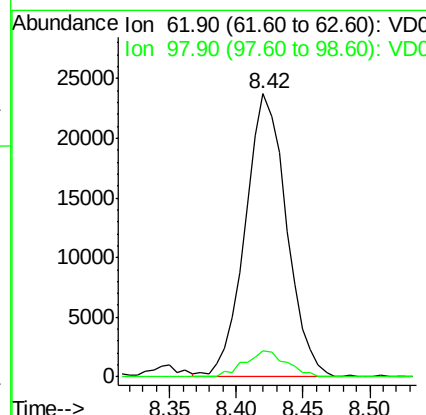
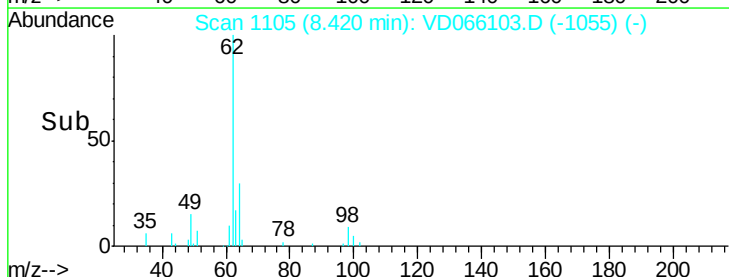
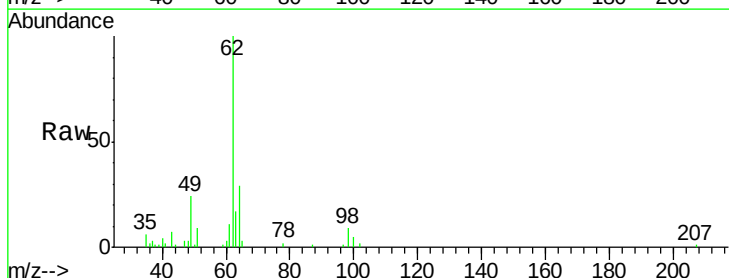
Acq: 30 Jul 2020 11:18

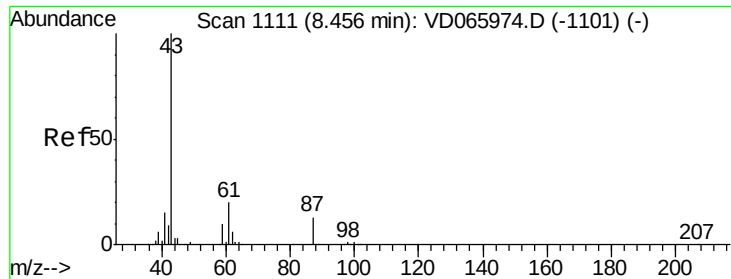
Tgt Ion: 62 Resp: 50941

Ion Ratio Lower Upper

62 100

98 9.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 18.654 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

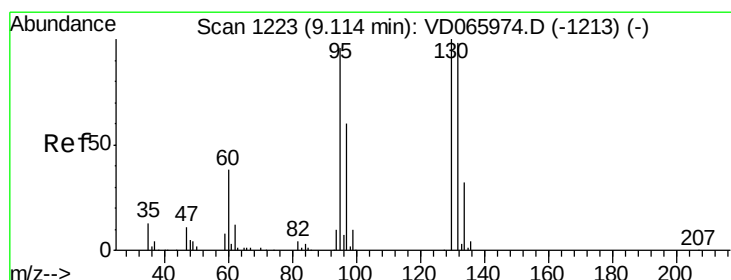
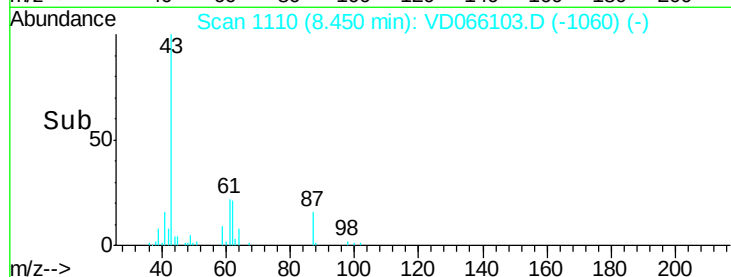
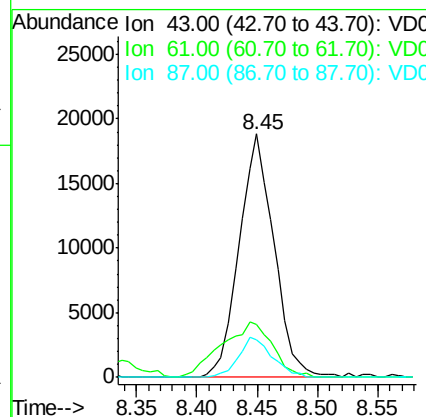
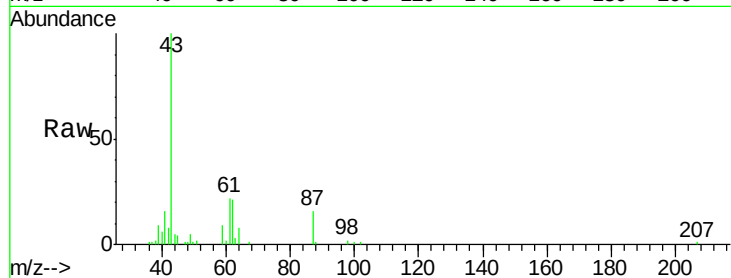
ClientSampleId :

VD0730SBS01

Tot Ion:	43	Resp:	37781
Ion	Ratio	Lower	Upper
43	100		
61	33.2	25.8	38.8
87	16.1	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 22.690 ug/l

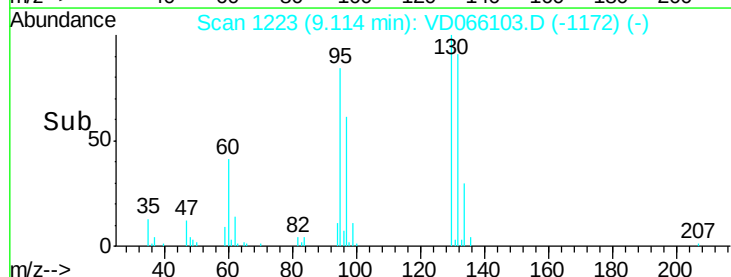
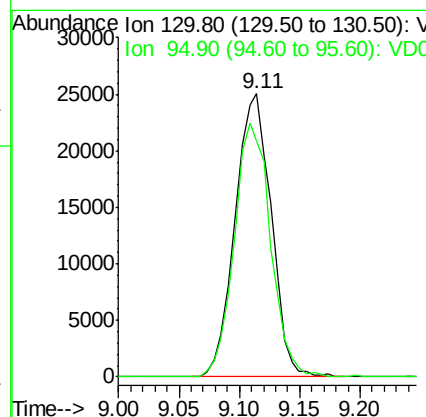
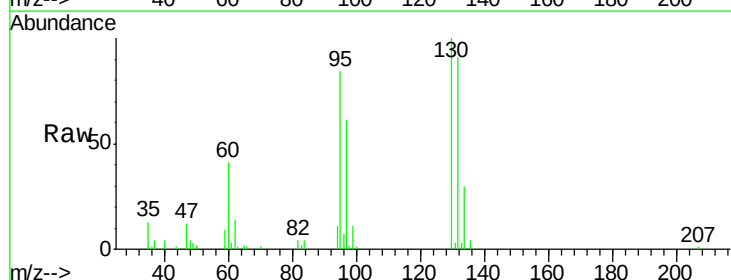
RT: 9.11 min Scan# 1223

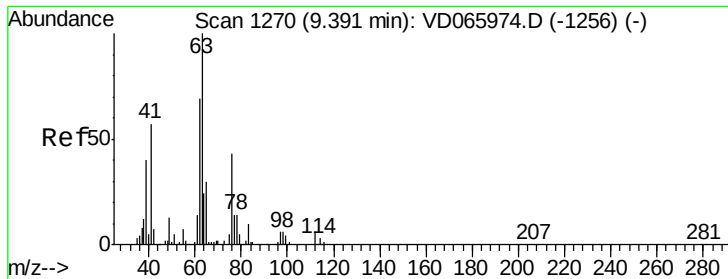
Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	130	Resp:	52159
Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	191.6





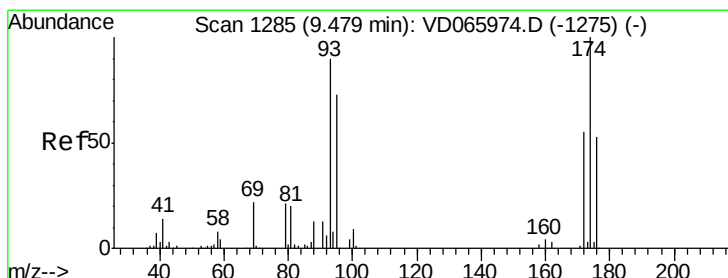
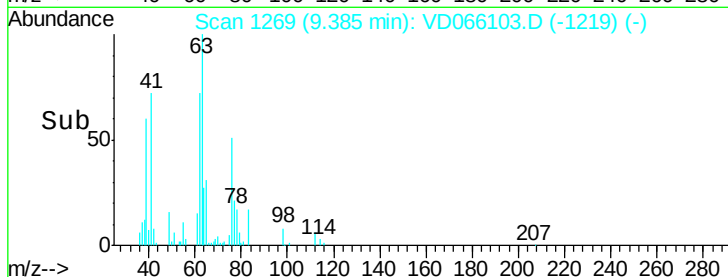
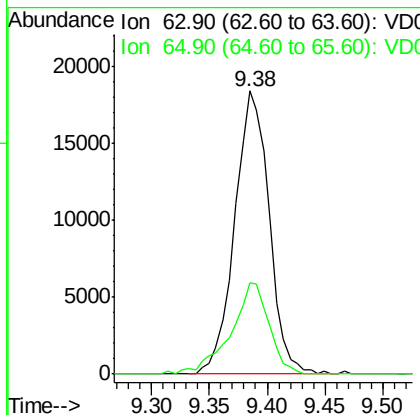
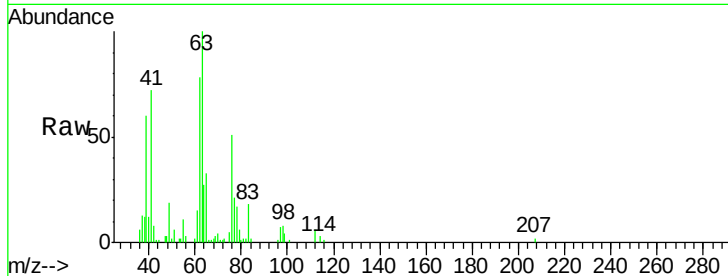
#45
 1,2-Dichloropropane
 Concen: 20.742 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.0	36.0

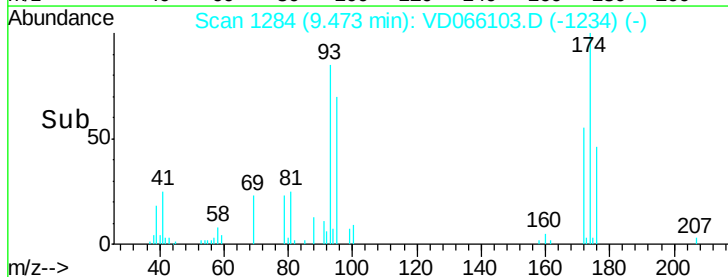
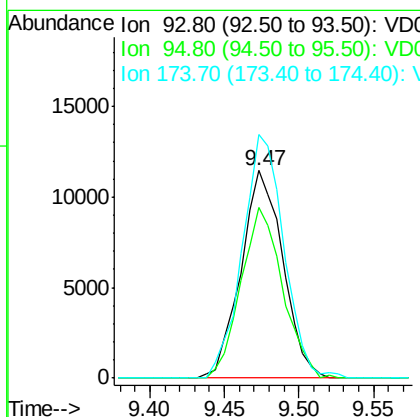
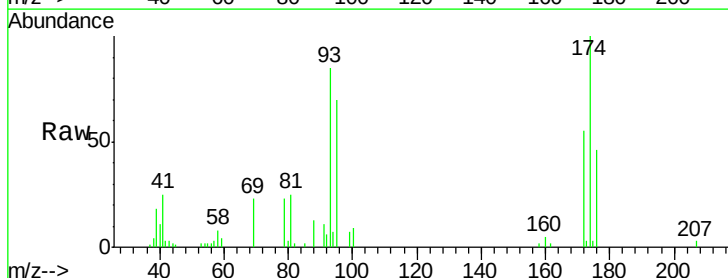
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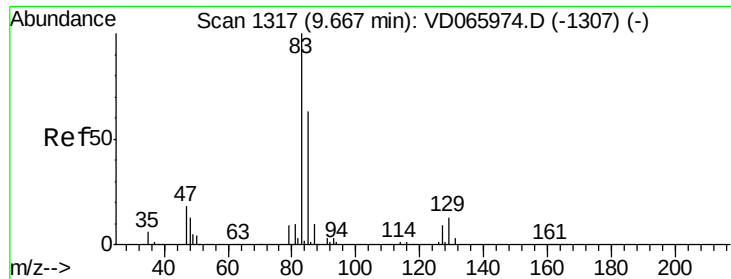
MMDadoda
 7/31/2020 11:56:11 AM



#46
 Dibromomethane
 Concen: 22.493 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.2	99.4
174	116.2	91.5	137.3





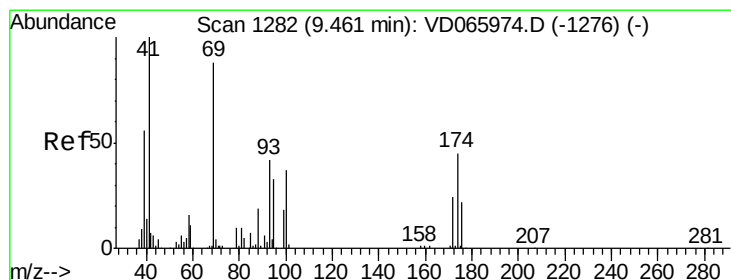
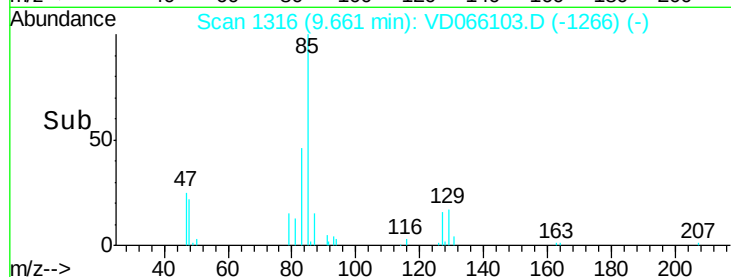
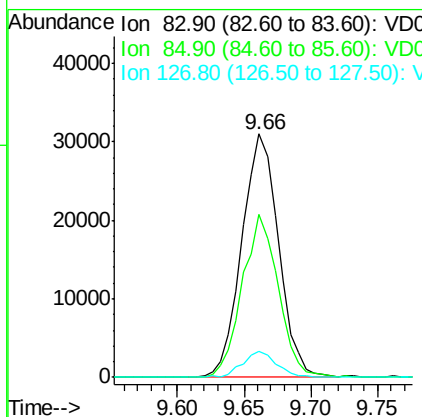
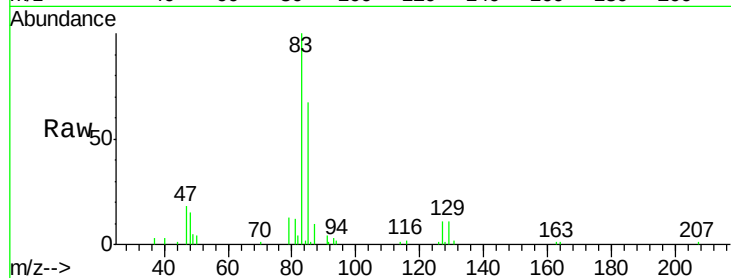
#47
Bromodichloromethane
Concen: 22.569 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	59104		
85	66.9	50.6	75.8	
127	10.6	7.1	10.7	

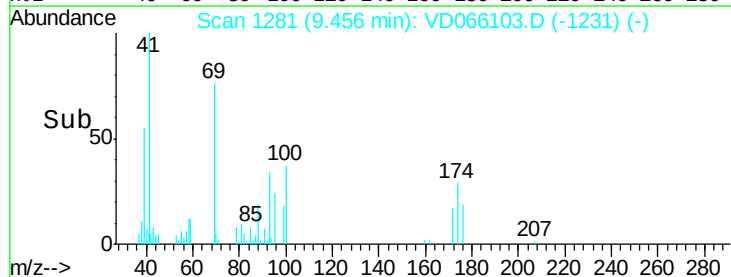
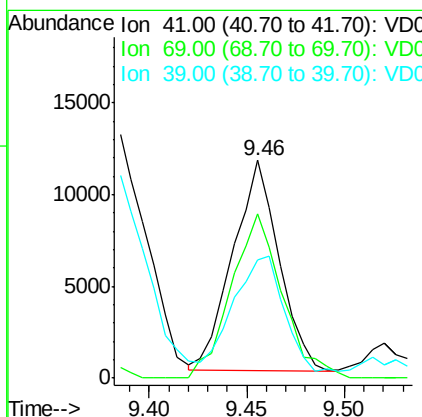
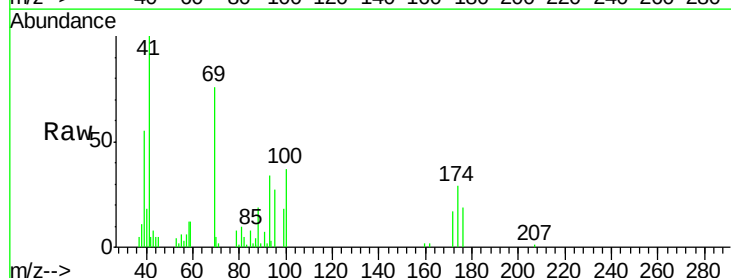
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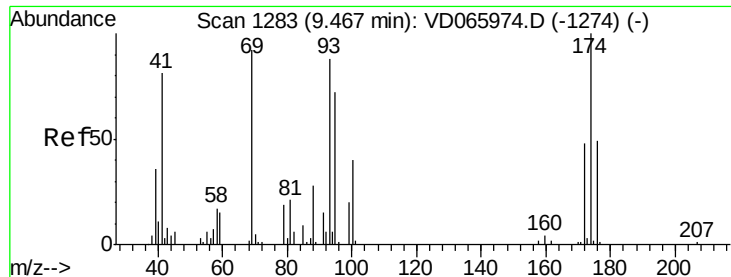
MMDadoda
7/31/2020 11:56:11 AM



#48
Methyl methacrylate
Concen: 18.545 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	18946		
69	85.4	65.1	97.7	
39	67.0	41.5	62.3	





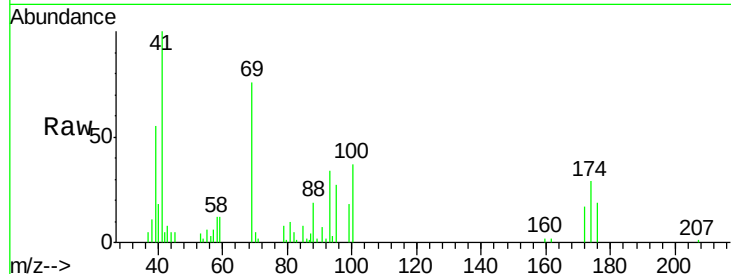
#49
1,4-Dioxane
Concen: 403.933 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.3	29.0	43.6
58	68.0	57.0	85.4

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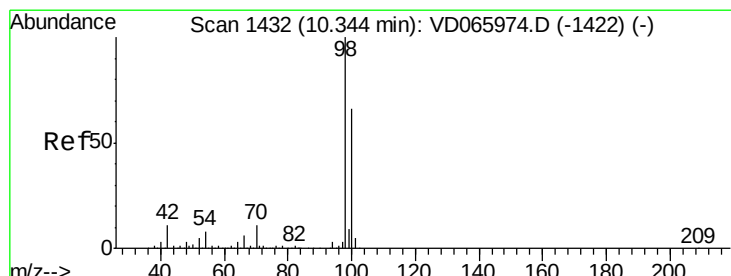
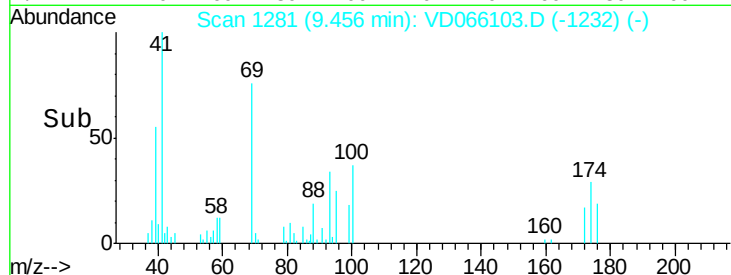
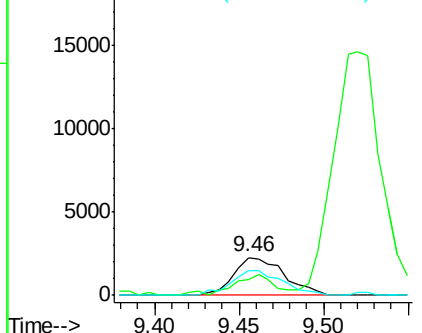


Abundance

Ion 88.00 (87.70 to 88.70): VDC

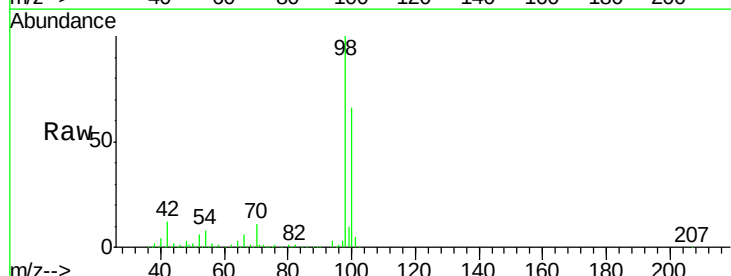
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 54.178 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

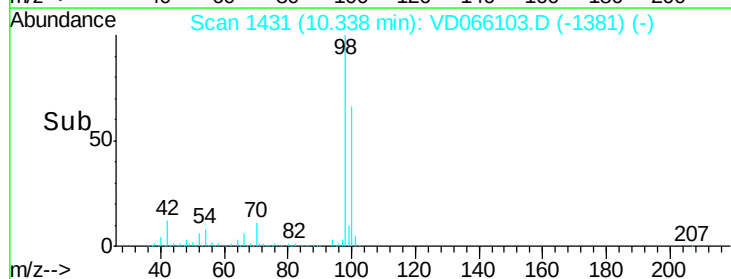
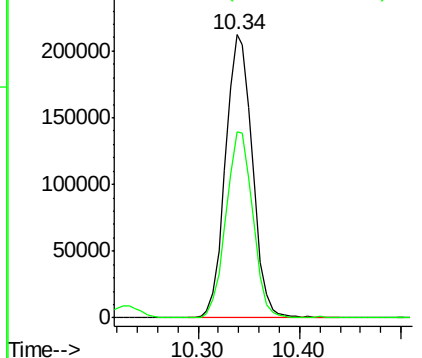
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

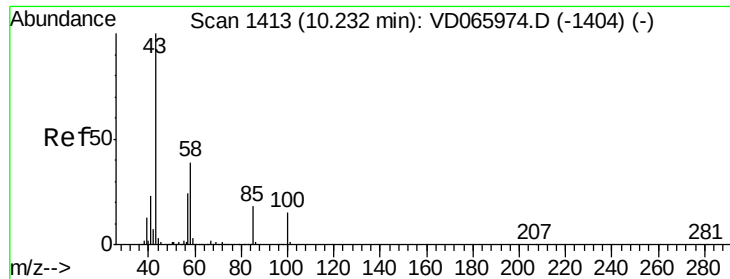


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





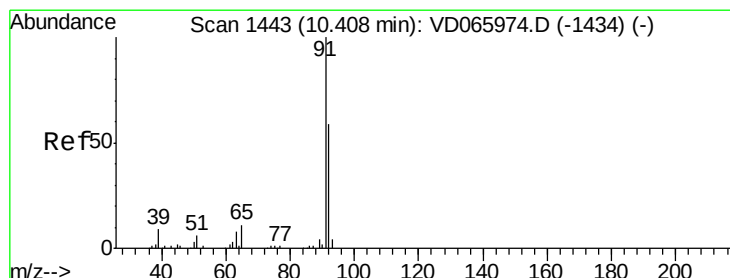
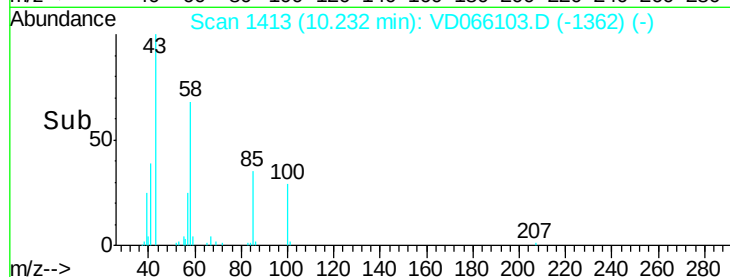
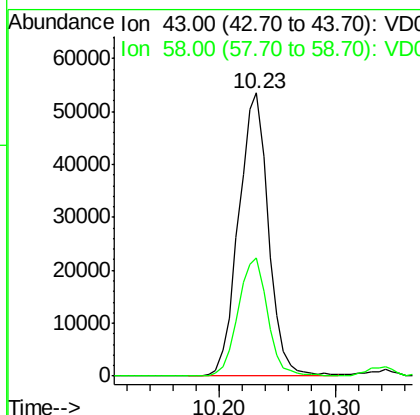
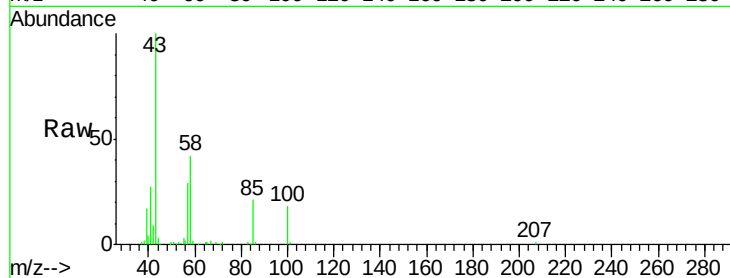
#51
4-Methyl-2-Pentanone
Concen: 93.906 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	31.3	46.9

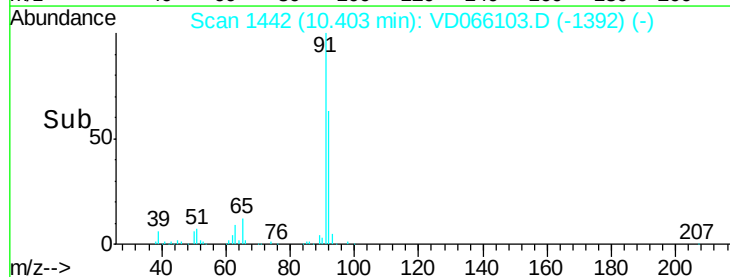
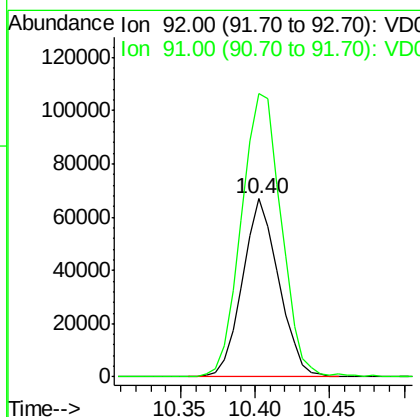
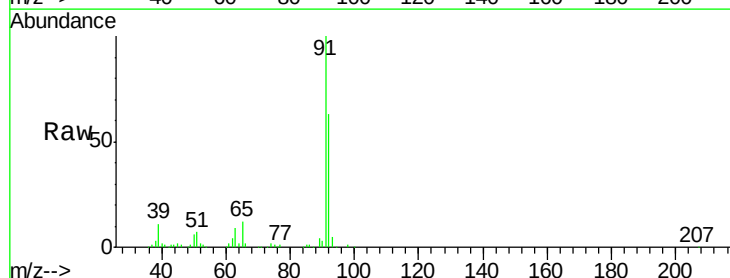
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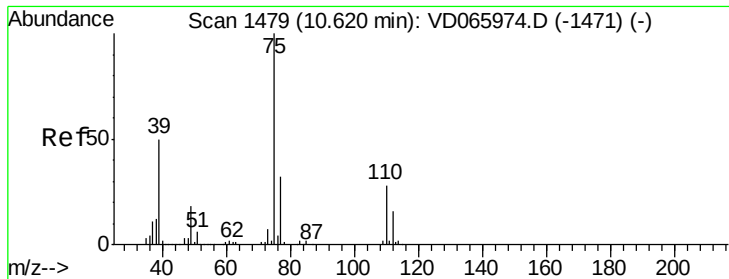
MMDadoda
7/31/2020 11:56:11 AM



#52
Toluene
Concen: 22.774 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	134.5	201.7





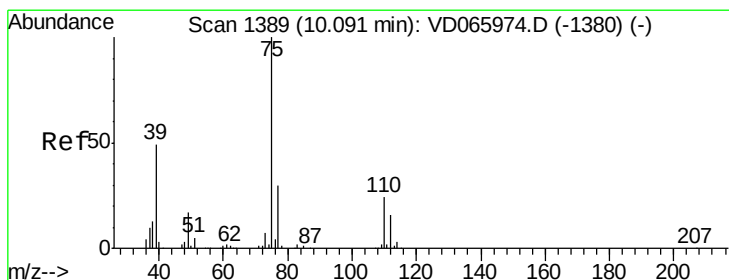
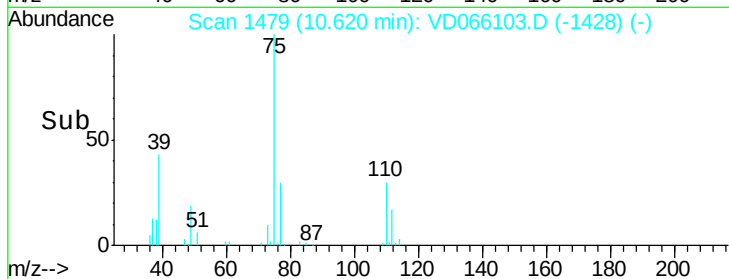
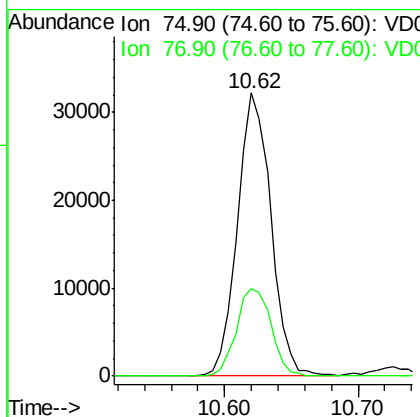
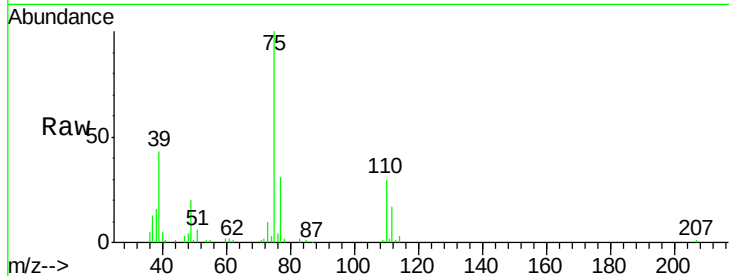
#53
t-1,3-Dichloropropene
Concen: 22.927 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 75 Resp: 55937
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.6

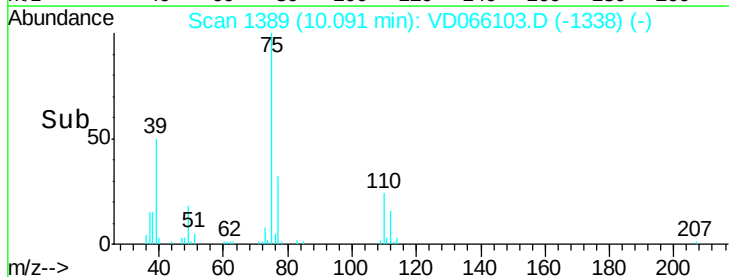
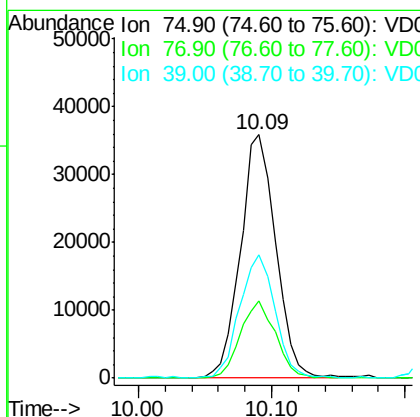
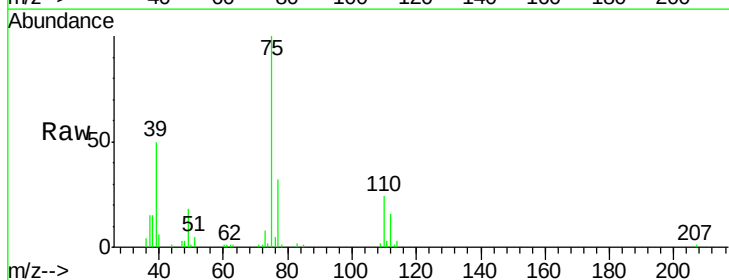
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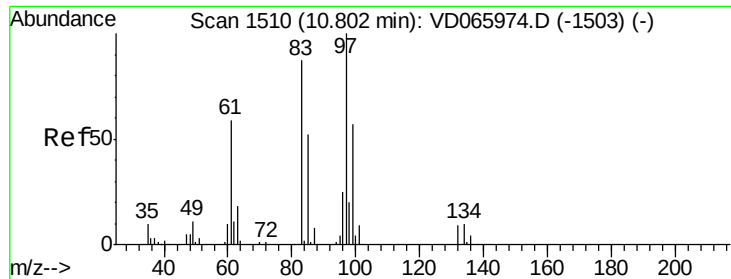
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#54
cis-1,3-Dichloropropene
Concen: 22.216 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 75 Resp: 65702
Ion Ratio Lower Upper
75 100
77 31.8 23.8 35.8
39 50.5 38.8 58.2





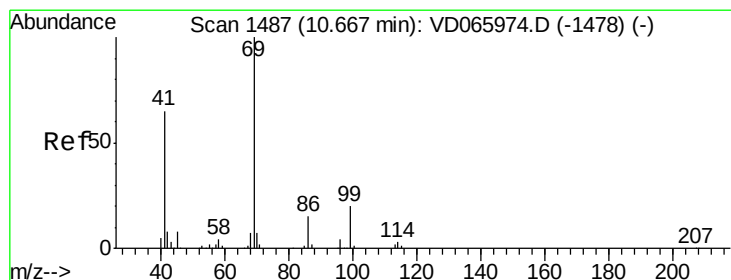
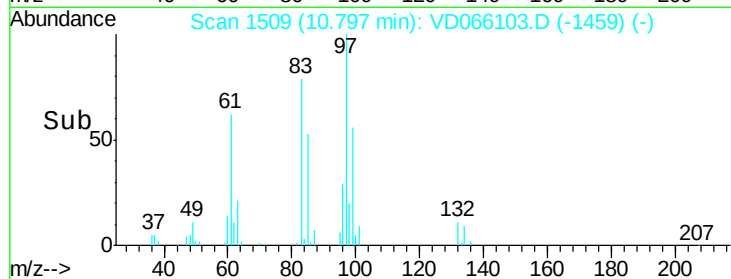
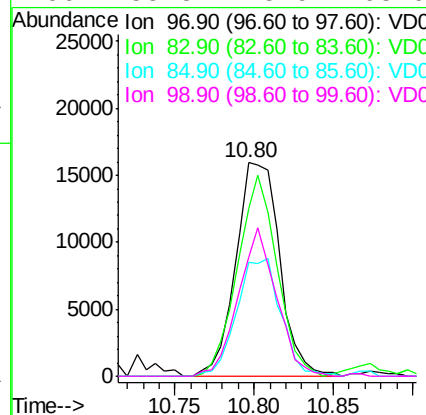
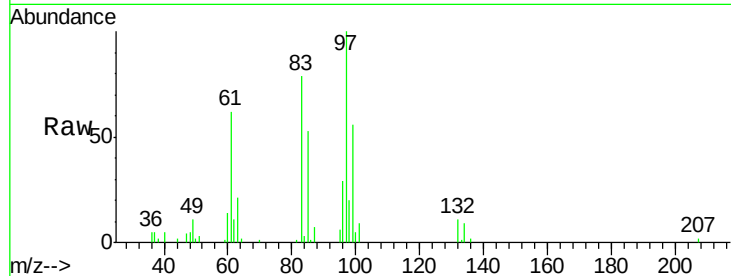
#55
 1,1,2-Trichloroethane
 Concen: 21.752 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0730SBS01

Tot Ion	97	Resp	30555
Ion	Ratio	Lower	Upper
97	100		
83	78.6	69.7	104.5
85	53.2	41.6	62.4
99	55.8	45.9	68.9

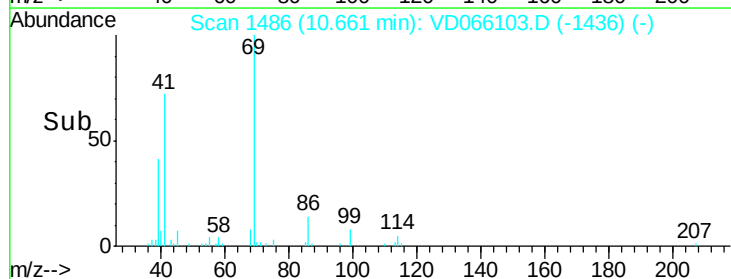
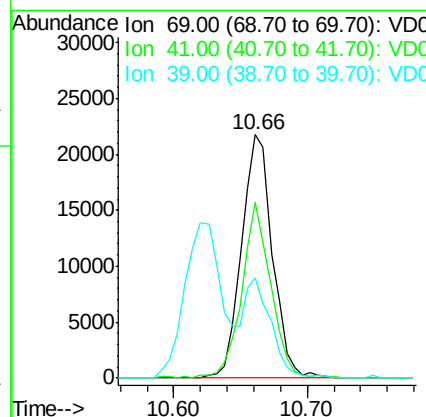
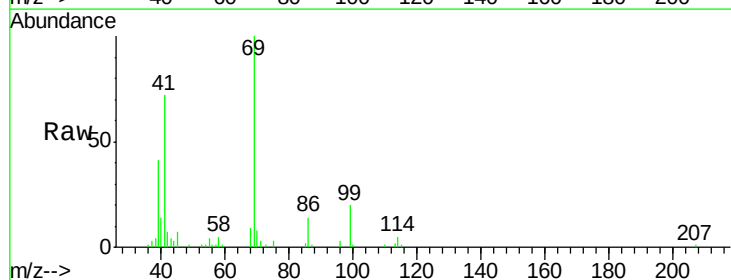
Manual Integrations
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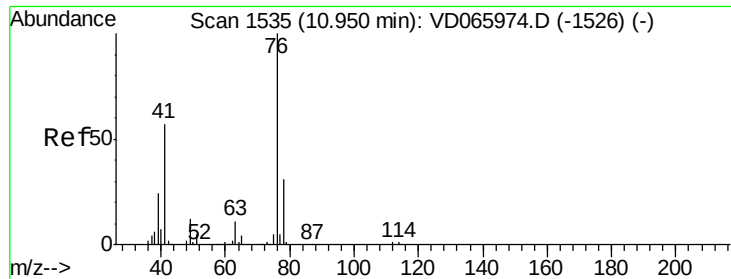
MMDadoda
 7/31/2020 11:56:11 AM



#56
 Ethyl methacrylate
 Concen: 21.273 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	69	Resp	34742
Ion	Ratio	Lower	Upper
69	100		
41	67.9	52.3	78.5
39	33.8	25.2	37.8





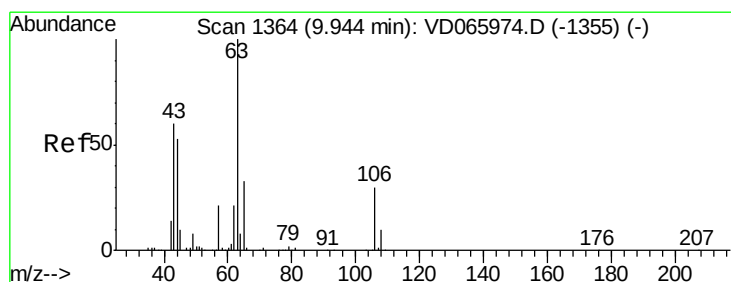
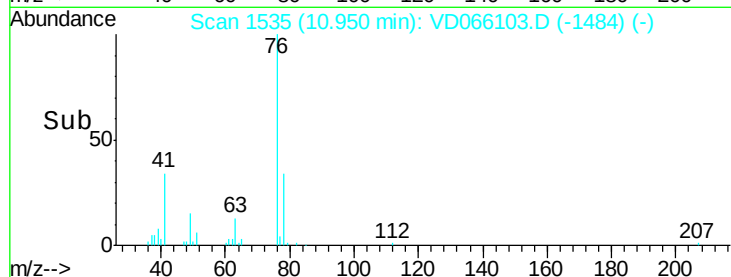
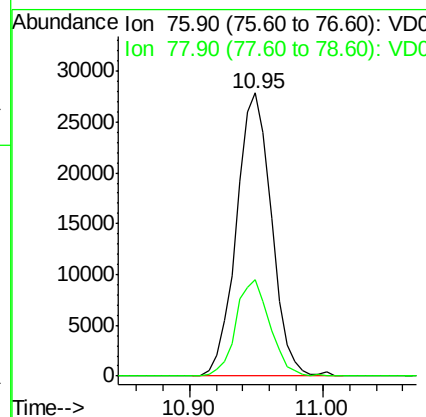
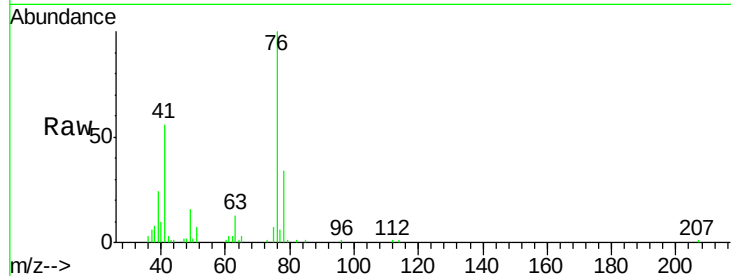
#57
 1,3-Dichloropropane
 Concen: 21.808 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 76 Resp: 50711
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4

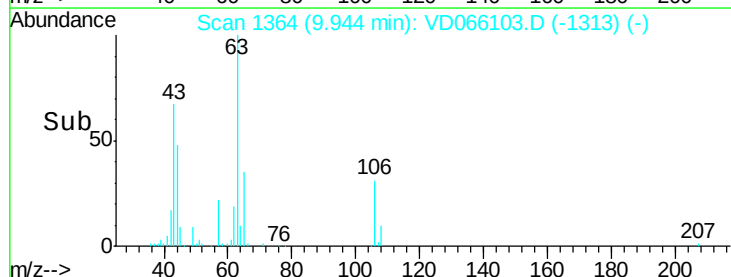
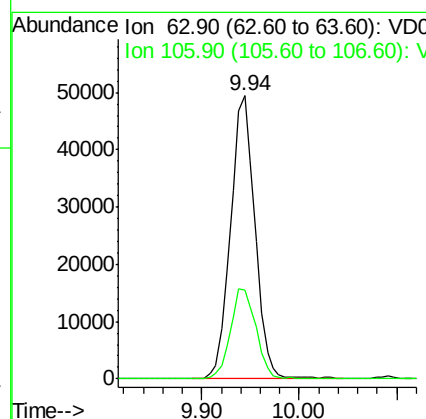
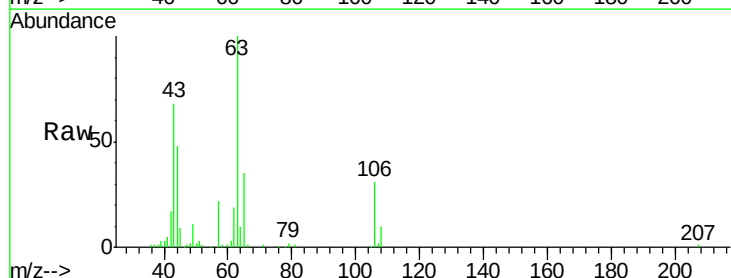
Manual Integrations
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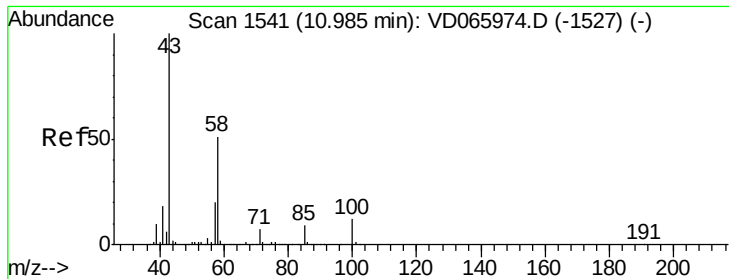
MMDadoda
 7/31/2020 11:56:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.251 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 63 Resp: 86014
 Ion Ratio Lower Upper
 63 100
 106 33.1 24.4 36.6





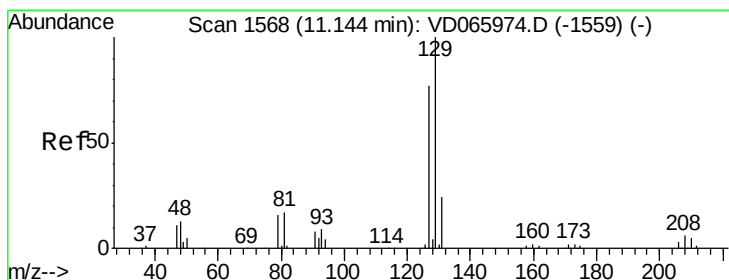
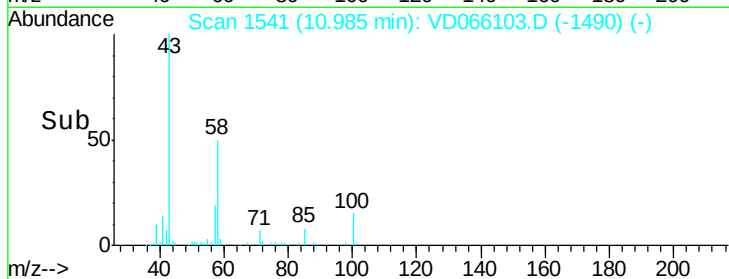
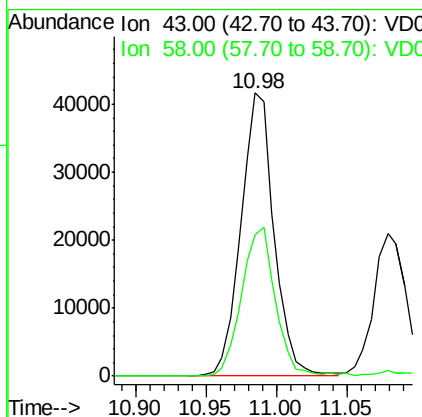
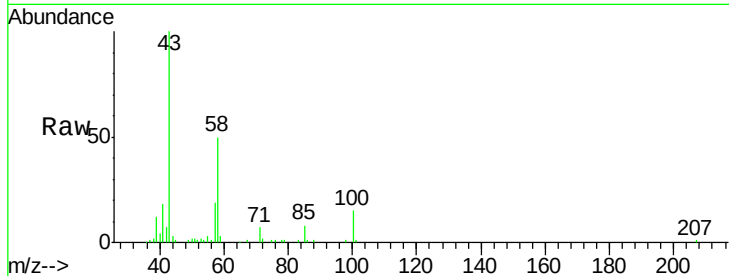
#59
2-Hexanone
Concen: 96.934 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 43 Resp: 68551
Ion Ratio Lower Upper
43 100
58 53.7 26.2 78.6

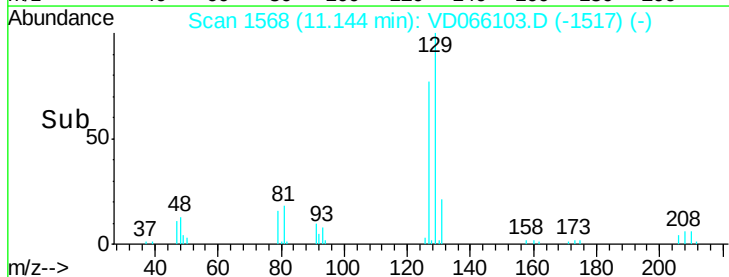
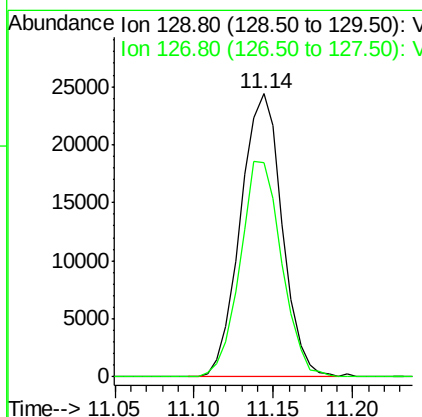
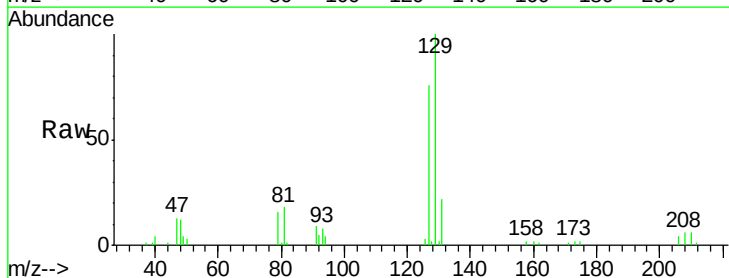
Manual Integrations
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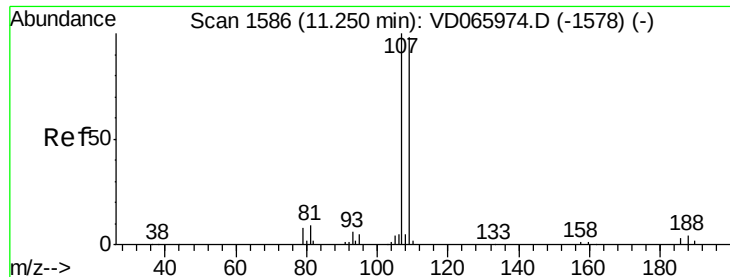
MMDadoda
7/31/2020 11:56:11 AM



#60
Dibromochloromethane
Concen: 23.447 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:129 Resp: 44407
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7





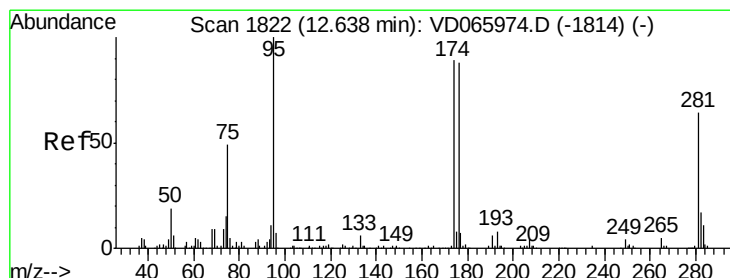
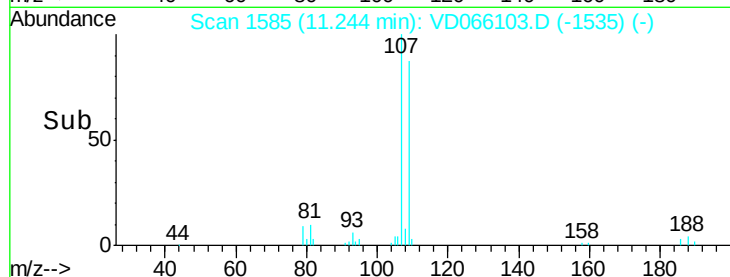
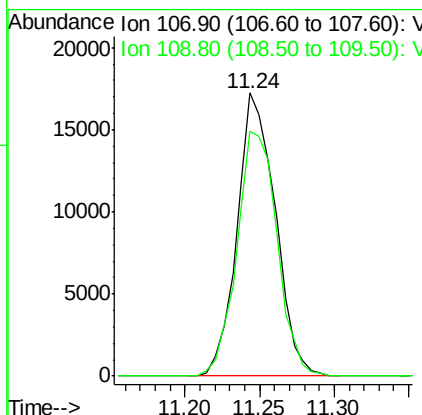
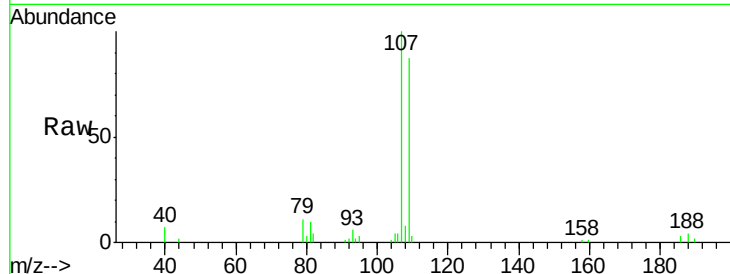
#61
 1,2-Dibromoethane
 Concen: 22.564 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 107 Resp: 30560
 Ion Ratio Lower Upper
 107 100
 109 90.7 75.0 112.4

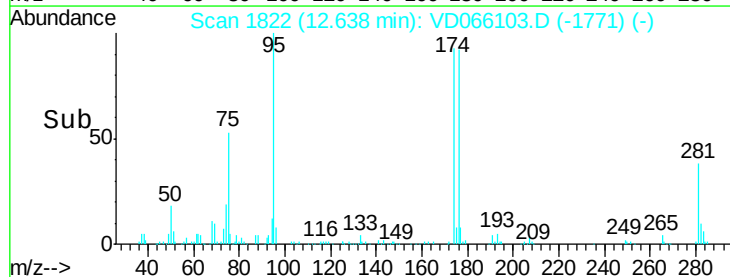
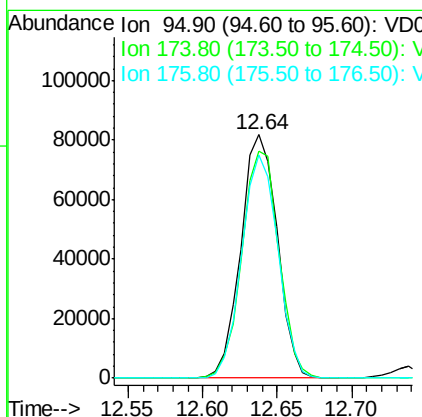
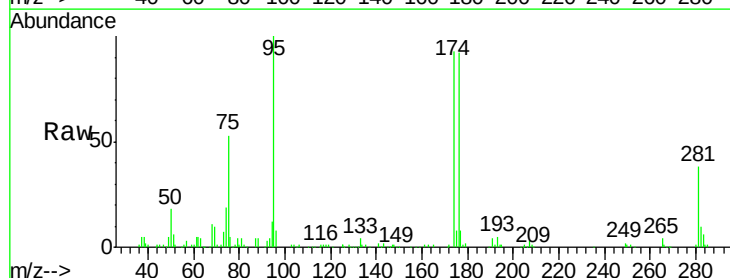
Manual Integrations
 APPROVED

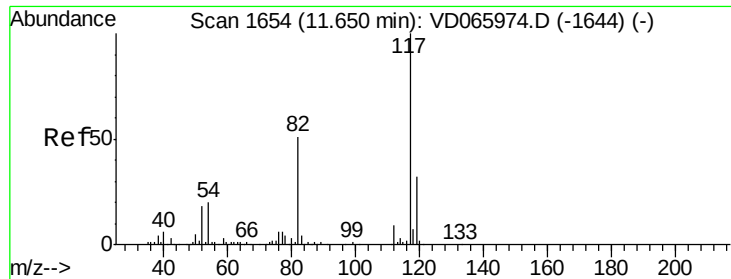
MMDadoda
 7/31/2020 11:56:11 AM



#62
 4-Bromofluorobenzene
 Concen: 55.389 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 95 Resp: 138062
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 178.8
 176 91.3 0.0 172.6





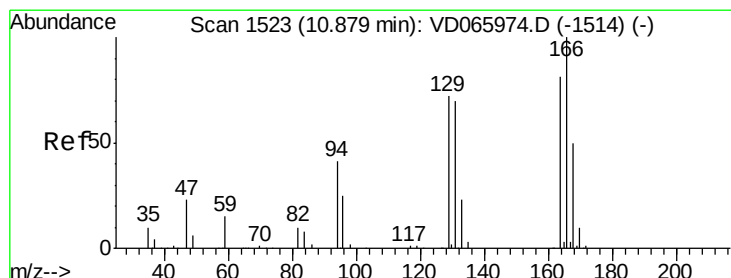
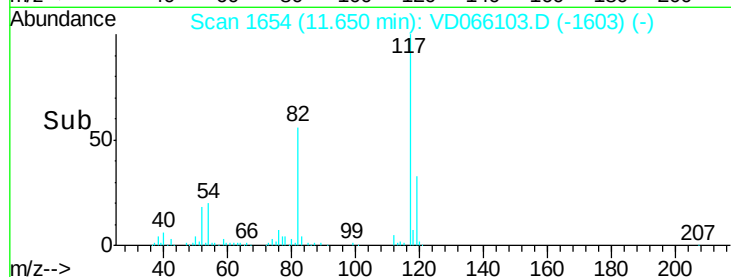
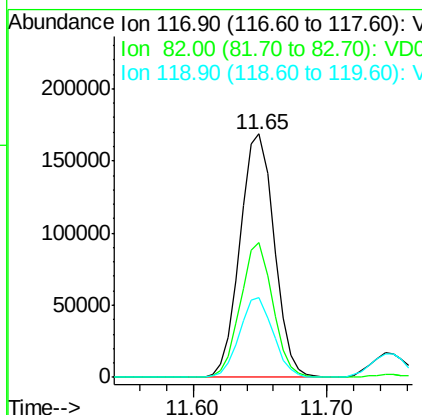
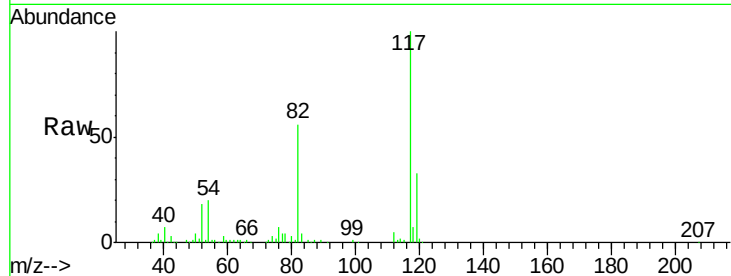
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300195		
82	55.6		41.1	61.7
119	32.7		25.9	38.9

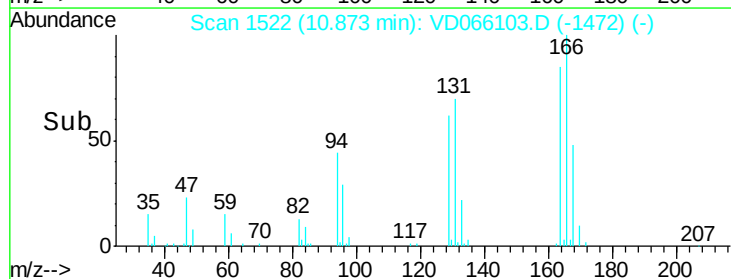
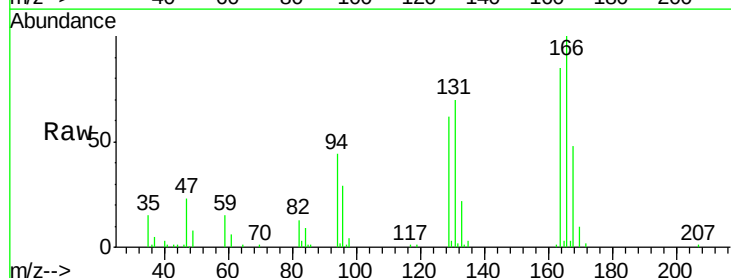
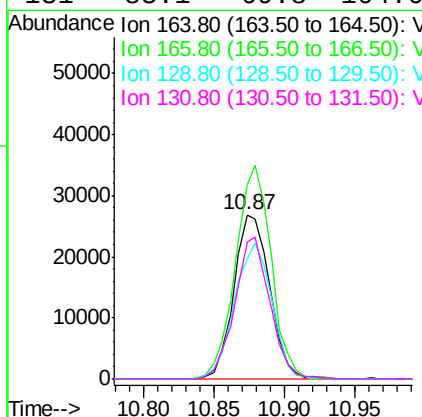
Manual Integrations
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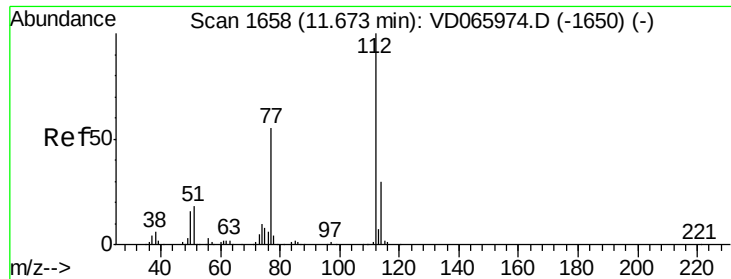
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#64
Tetrachloroethene
Concen: 23.377 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47631		
166	118.0		99.1	148.7
129	73.4		71.5	107.3
131	83.1		69.8	104.6





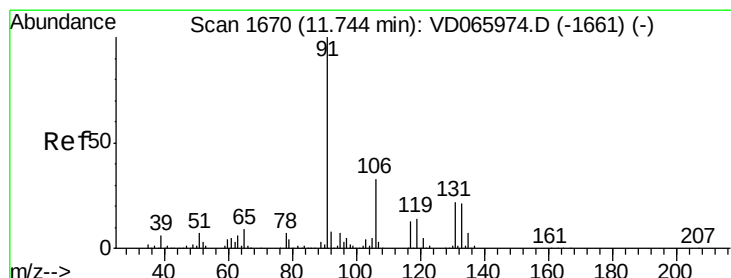
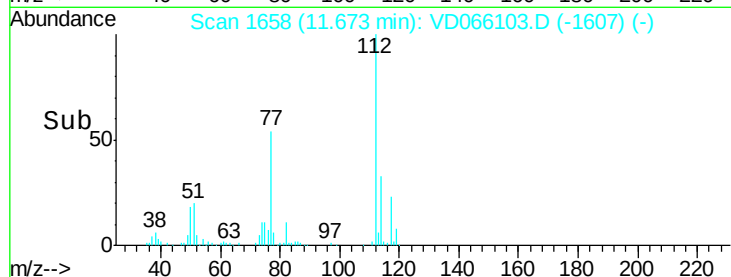
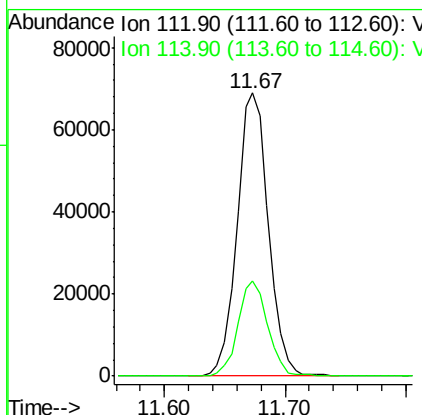
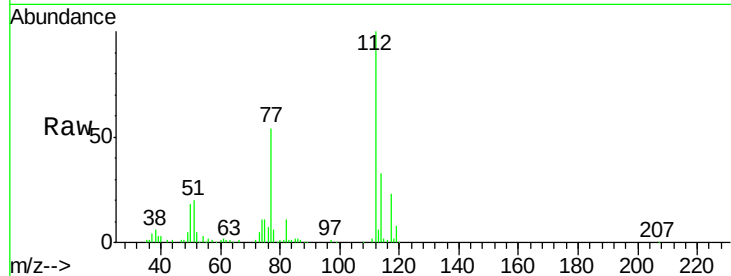
#65
Chlorobenzene
Concen: 22.532 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.4	36.6

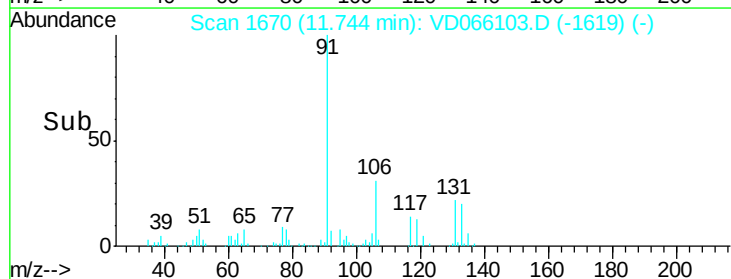
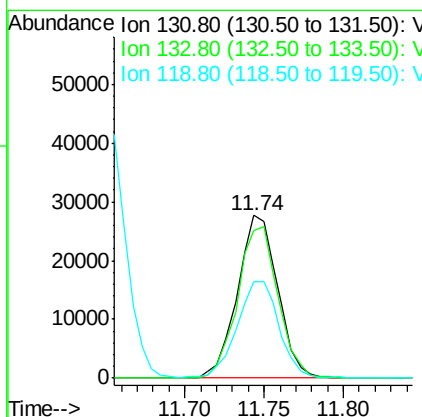
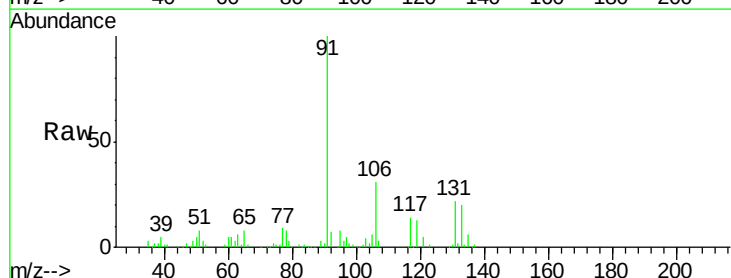
Manual Integrations
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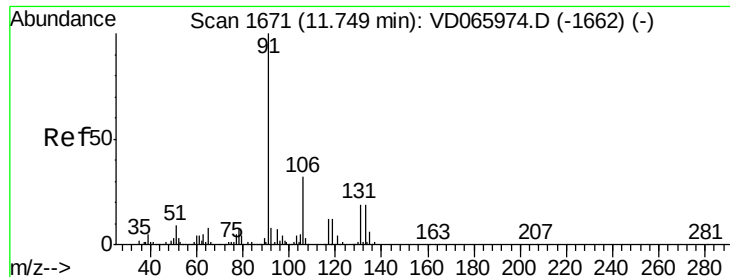
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.969 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	62.0	31.7	95.1





#67

Ethyl Benzene

Concen: 22.962 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 91 Resp: 217191

Ion Ratio Lower Upper

91 100

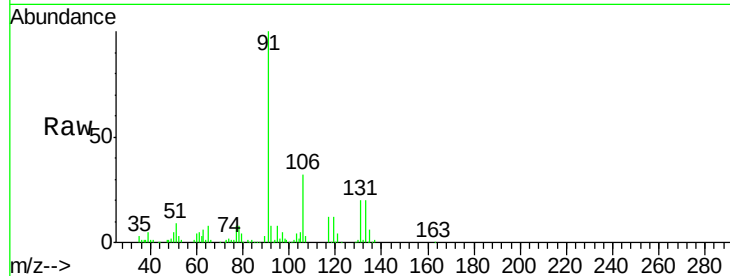
106 31.7 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066103.D (-1670) (-)

Ion 106.00 (105.70 to 106.70): VD066103.D (-1670) (-)

200000

150000

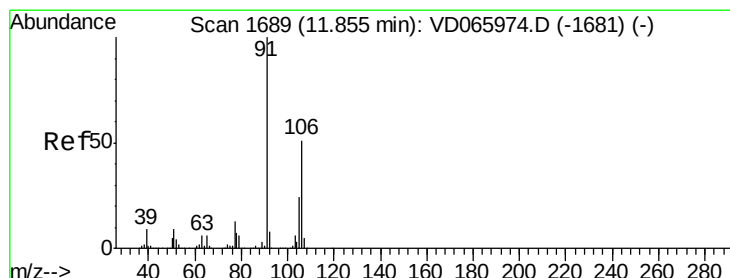
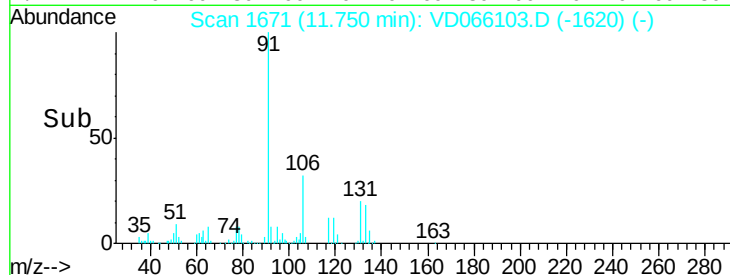
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 47.115 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066103.D

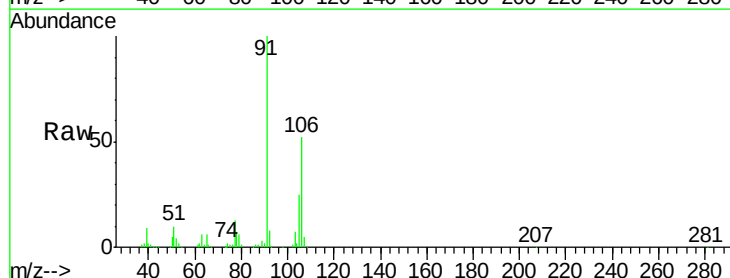
Acq: 30 Jul 2020 11:18

Tgt Ion: 106 Resp: 171290

Ion Ratio Lower Upper

106 100

91 197.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD066103.D (-1638) (-)

Ion 91.00 (90.70 to 91.70): VD066103.D (-1638) (-)

200000

150000

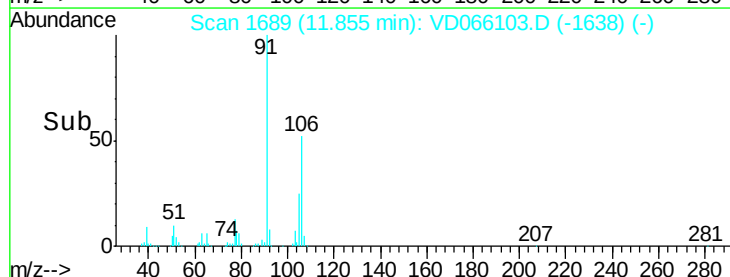
100000

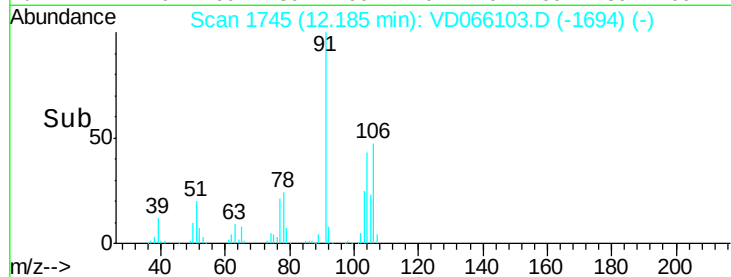
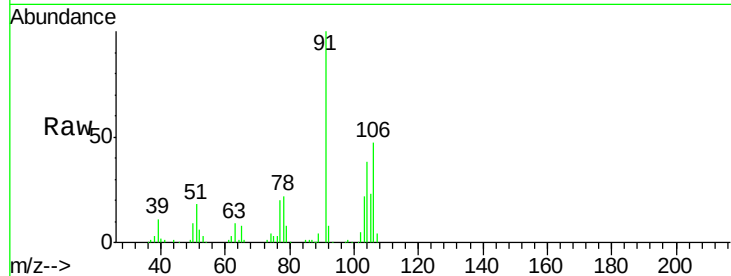
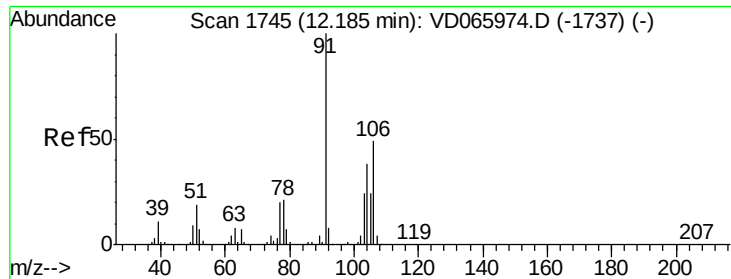
50000

0

11.80 11.85 11.90

Time-->





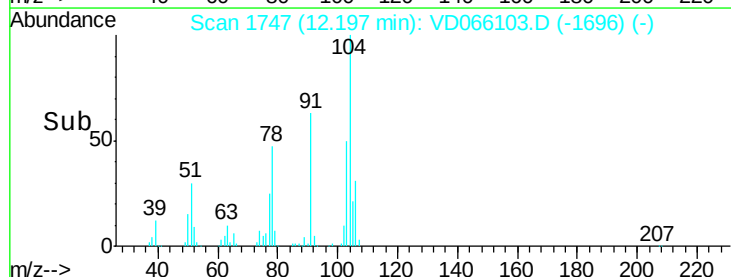
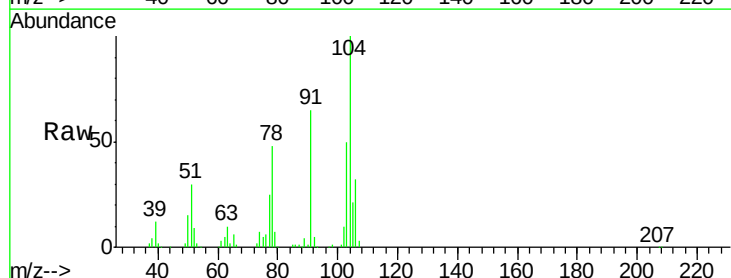
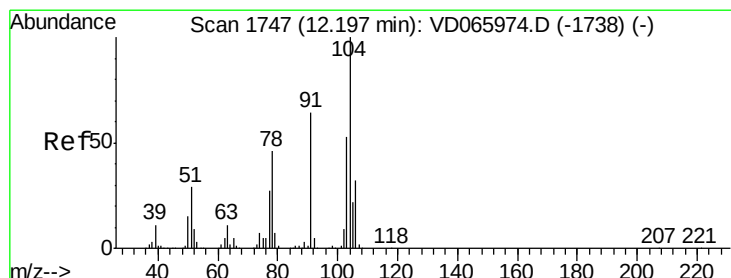
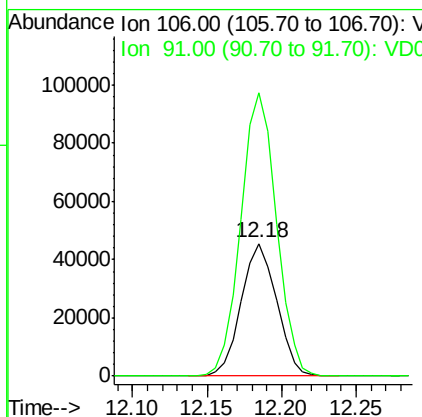
#69
o-Xylene
Concen: 22.652 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tot Ion:106 Resp: 74904
Ion Ratio Lower Upper
106 100
91 214.9 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

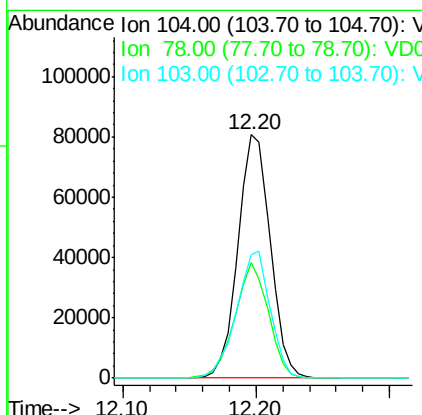
Manual Integrations
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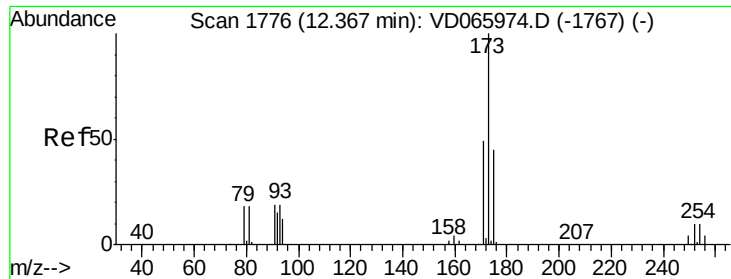
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#70
Styrene
Concen: 23.831 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:104 Resp: 135396
Ion Ratio Lower Upper
104 100
78 49.1 38.3 57.5
103 54.5 43.8 65.8





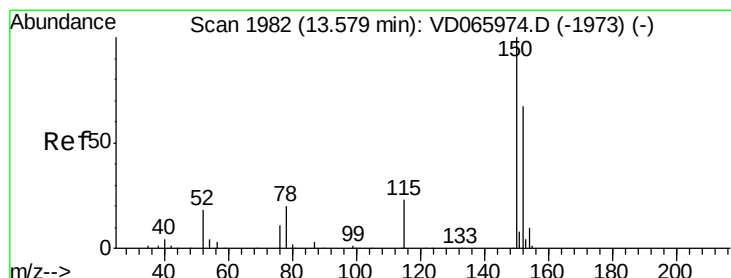
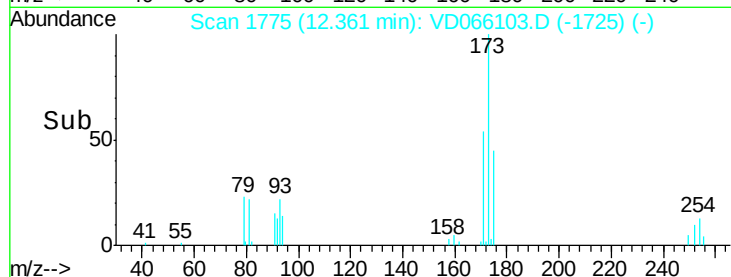
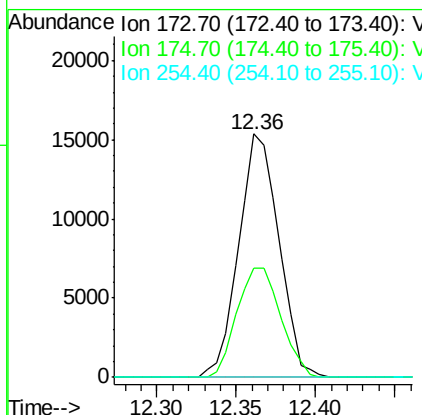
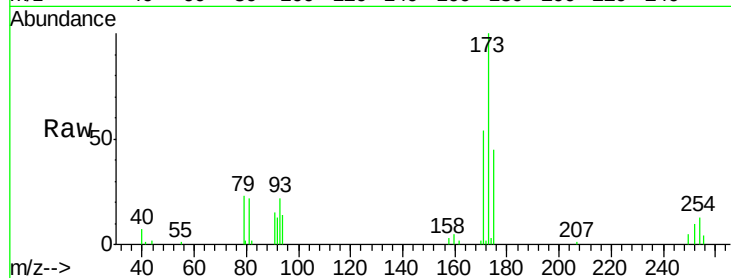
#71
Bromoform
Concen: 22.752 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.0	0.0	0.0

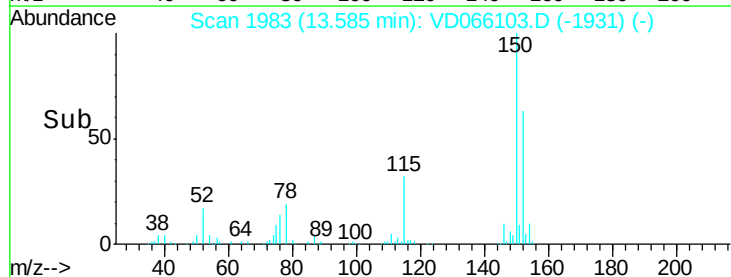
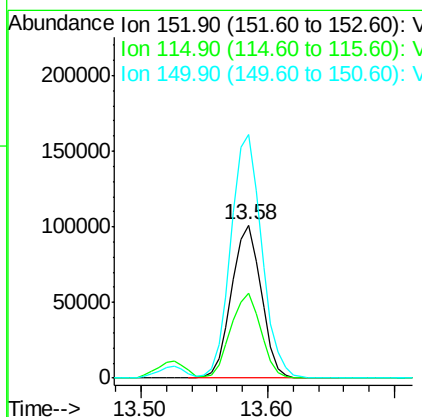
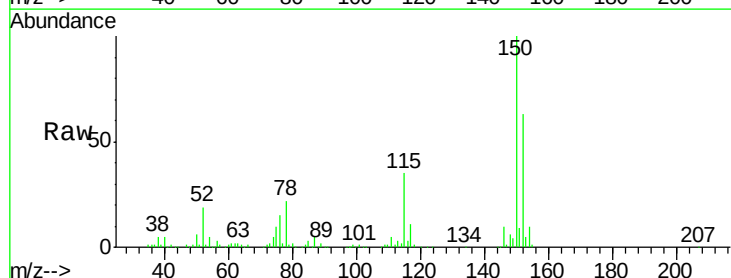
Manual Integrations
APPROVED

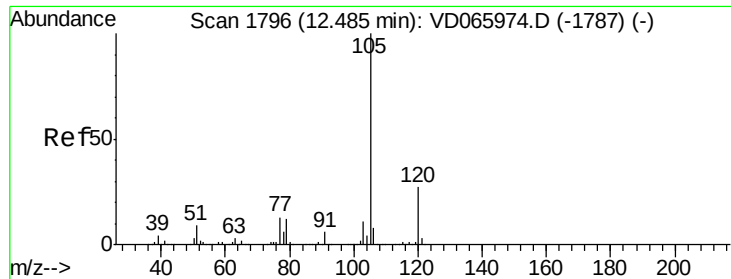
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.9	83.7
150	166.1	0.0	348.2





#73

Isopropylbenzene

Concen: 21.989 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion:105 Resp: 216847

Ion Ratio Lower Upper

105 100

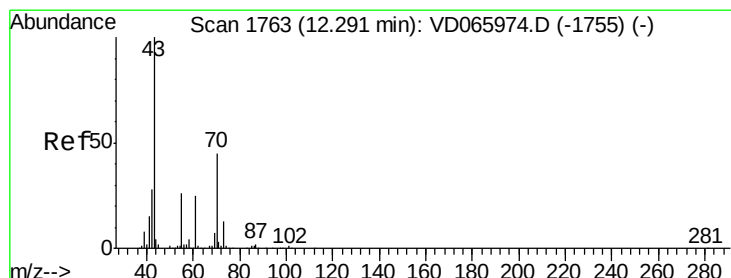
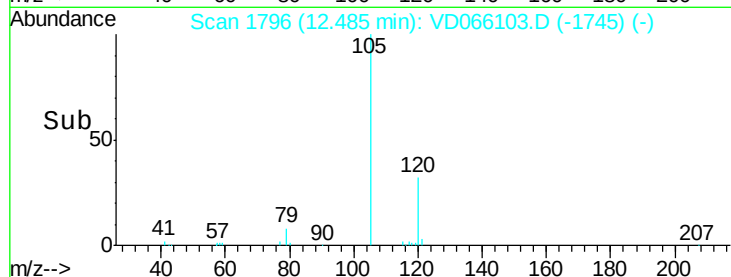
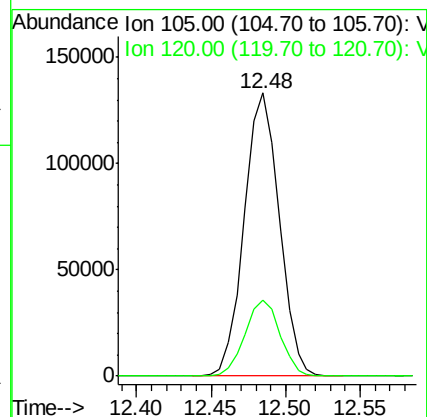
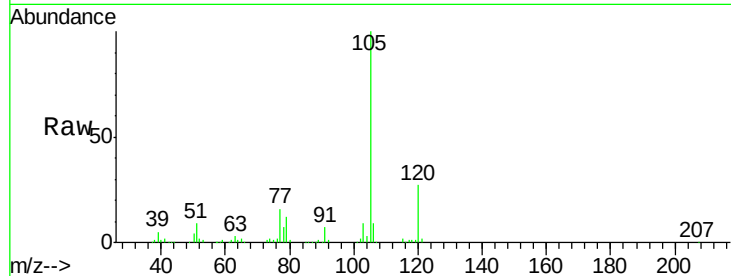
120 26.9 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.772 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion: 43 Resp: 38384

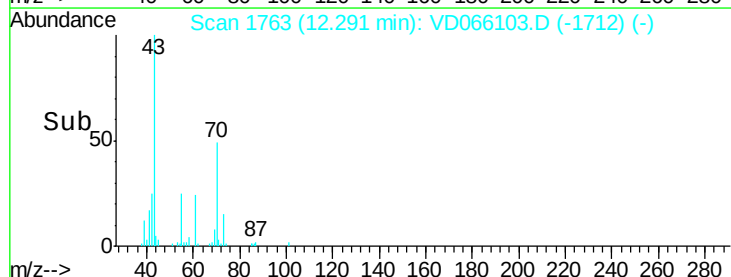
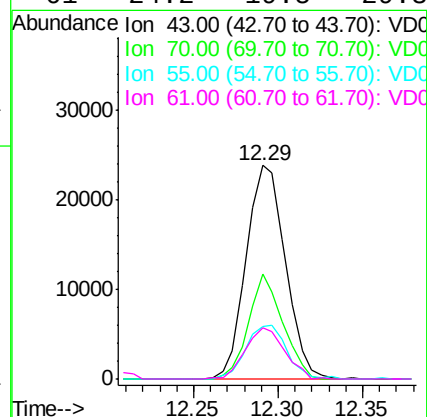
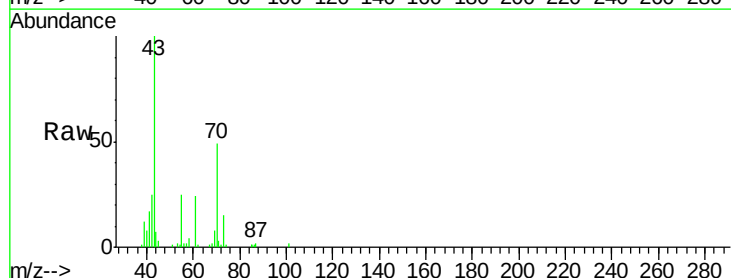
Ion Ratio Lower Upper

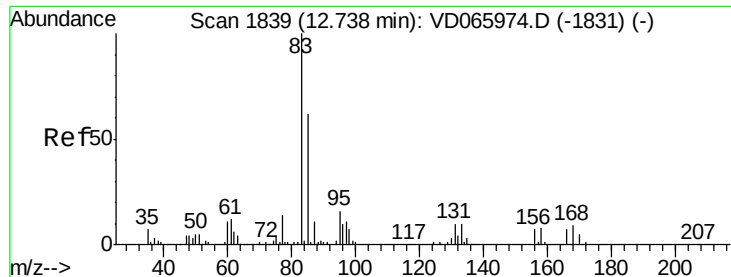
43 100

70 43.2 34.6 51.8

55 26.5 20.3 30.5

61 24.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.530 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

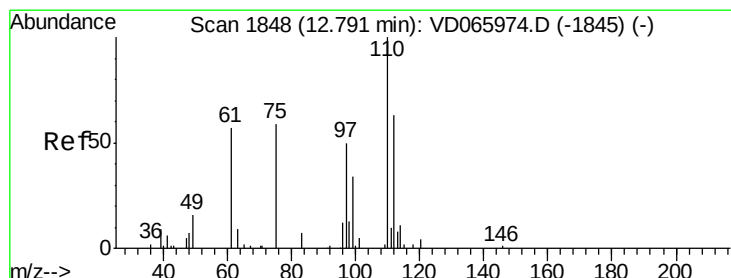
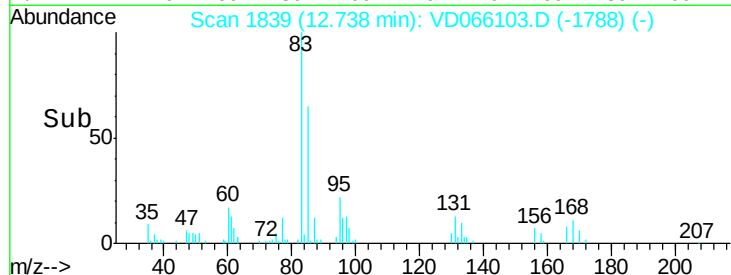
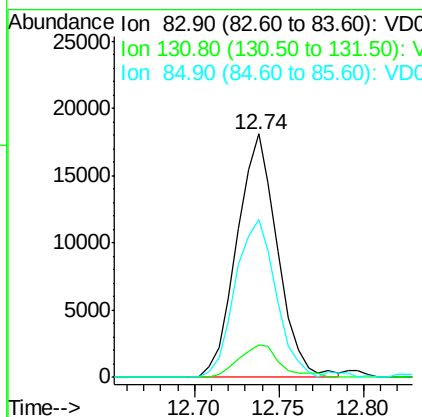
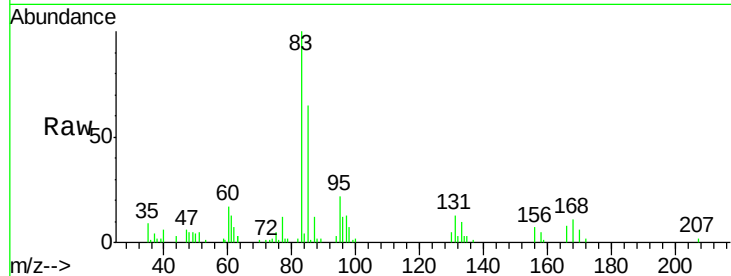
ClientSampleId :

VD0730SBS01

Tot Ion:	83	Resp:	30199
Ion	Ratio	Lower	Upper
83	100		
131	13.6	5.7	17.1
85	64.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 19.960 ug/l m

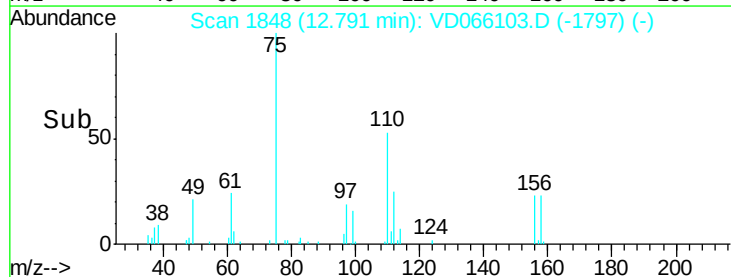
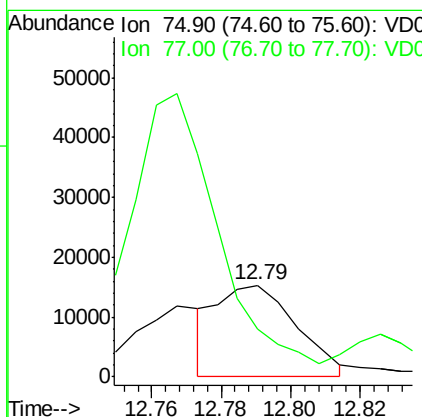
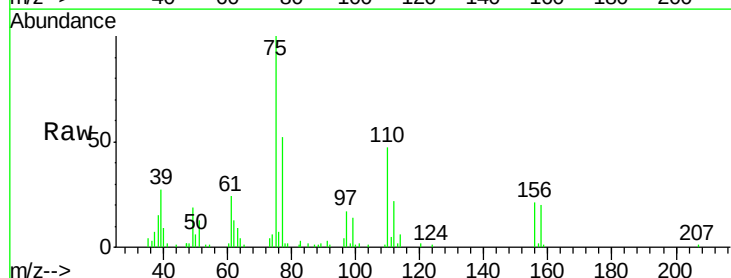
RT: 12.79 min Scan# 1848

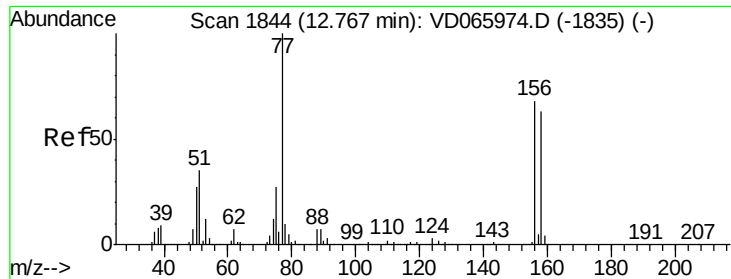
Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	75	Resp:	24493
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.901 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

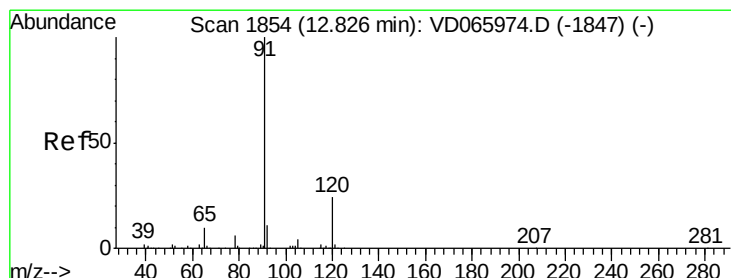
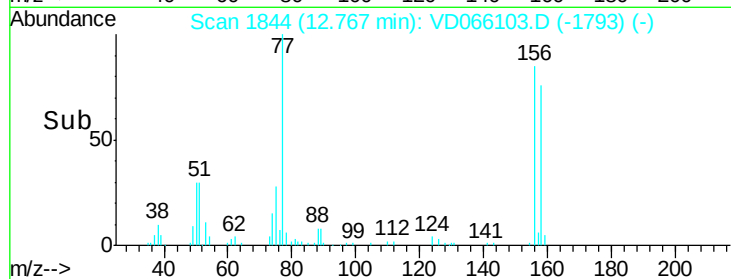
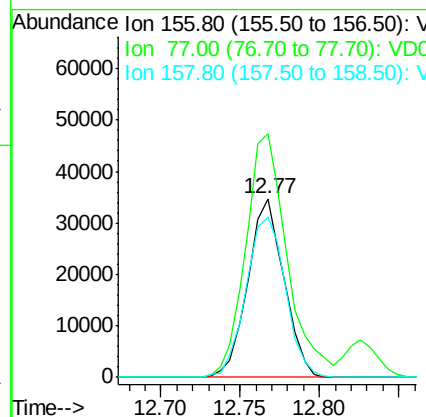
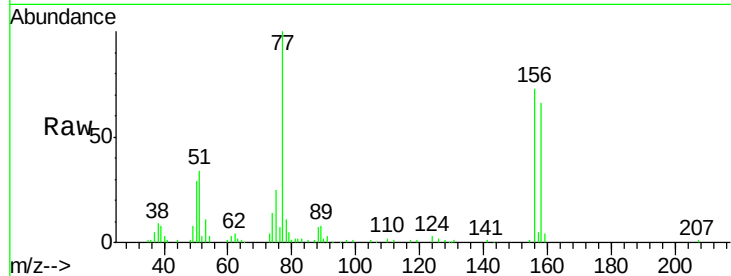
ClientSampleId :

VD0730SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.8	83.0	249.0	
158	97.4	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.800 ug/l

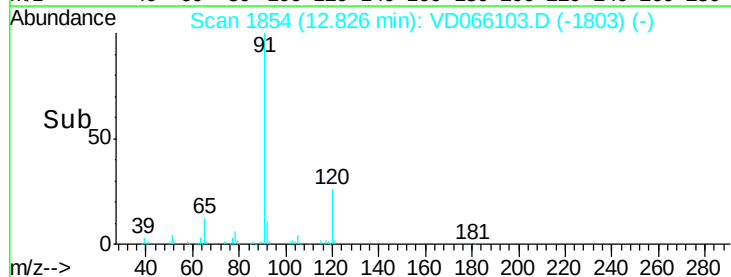
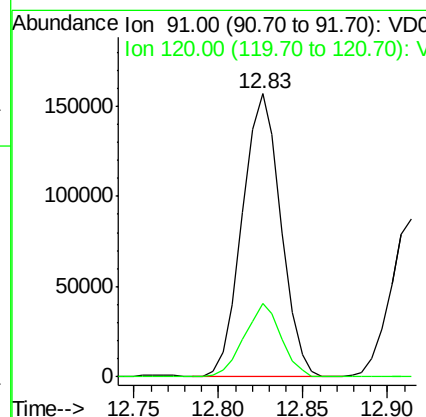
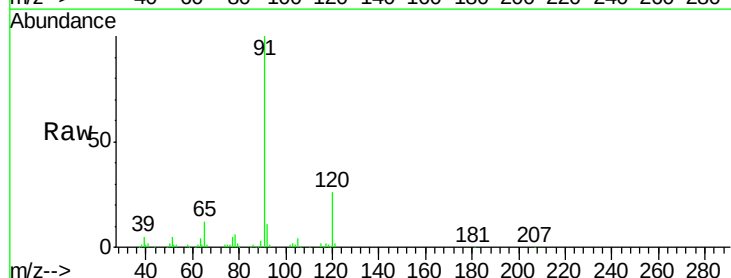
RT: 12.83 min Scan# 1854

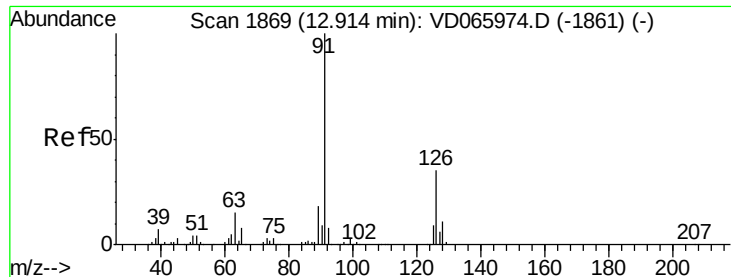
Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.9	12.0	36.0	





#79

2-Chlorotoluene

Concen: 21.938 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion: 91 Resp: 143425

Ion Ratio Lower Upper

91 100

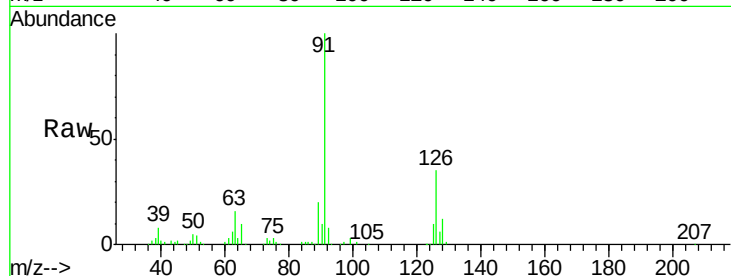
126 34.9 17.7 53.1

Manual Integrations

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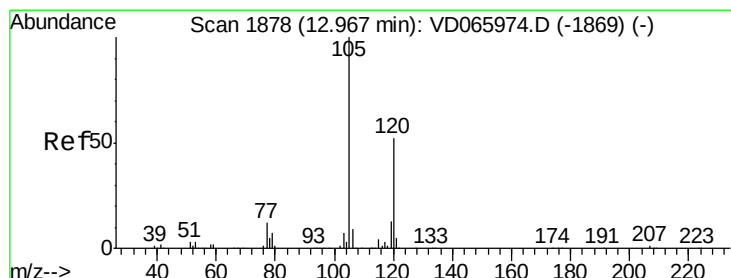
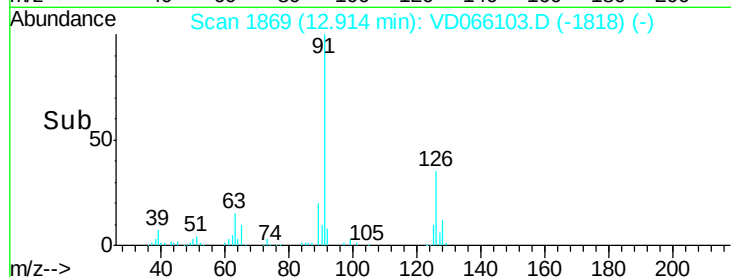
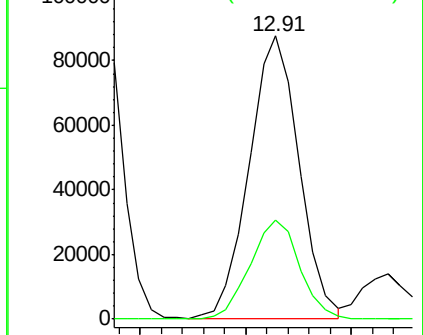
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Abundance Ion 91.00 (90.70 to 91.70): VD066103.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD066103.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.271 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066103.D

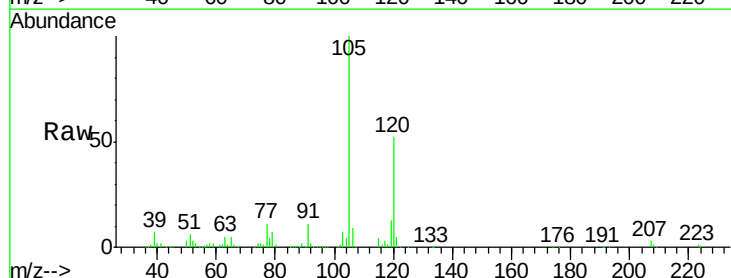
Acq: 30 Jul 2020 11:18

Tgt Ion: 105 Resp: 188548

Ion Ratio Lower Upper

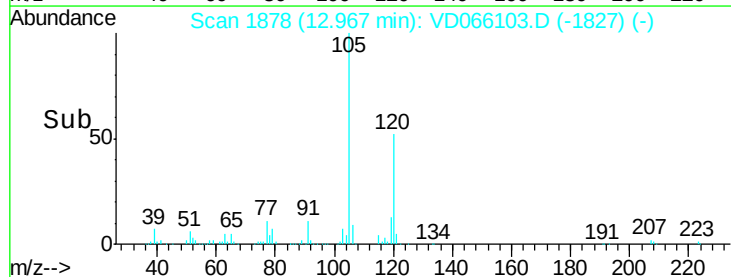
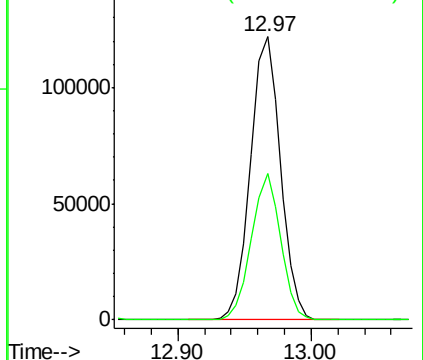
105 100

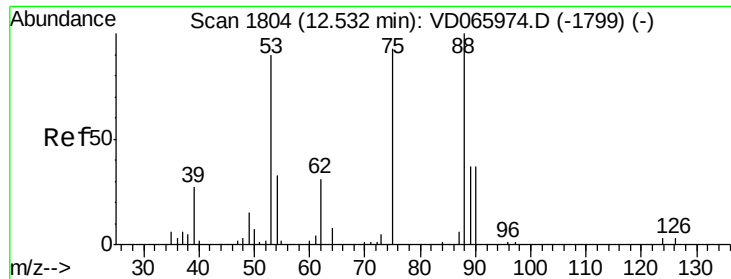
120 50.2 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066103.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD066103.D (-1827) (-)





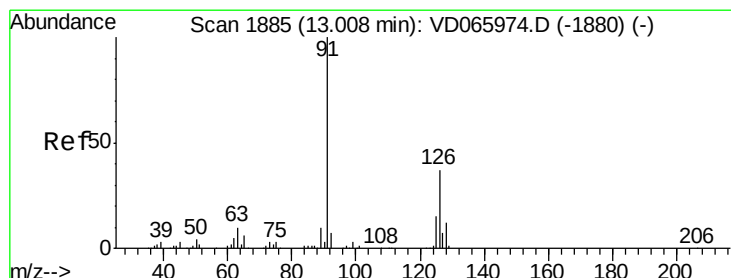
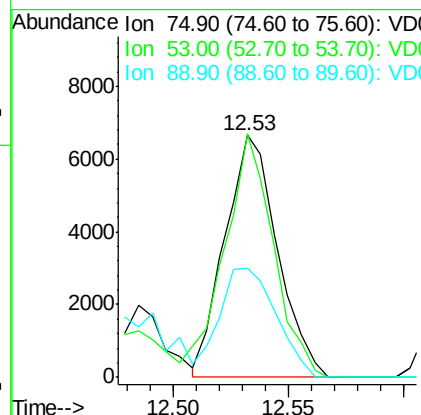
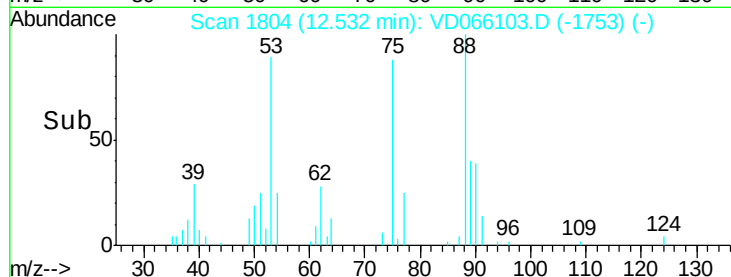
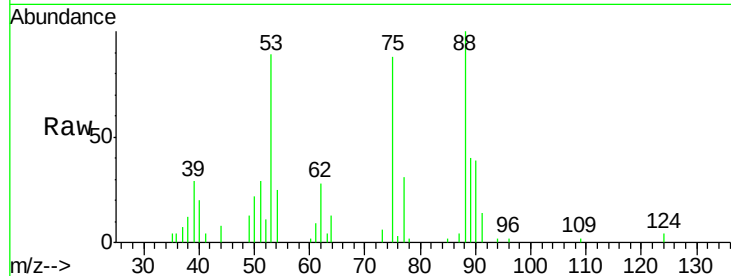
#81
trans-1,4-Dichloro-2-butene
Concen: 19.771 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	76.8	115.2
89	48.5	37.0	55.4

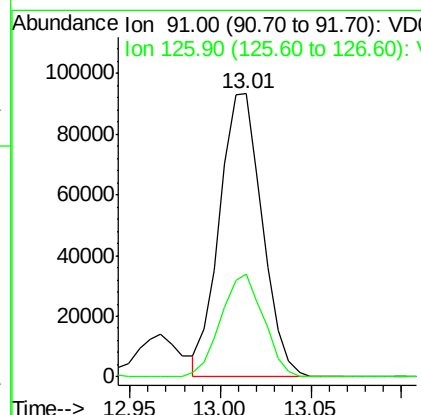
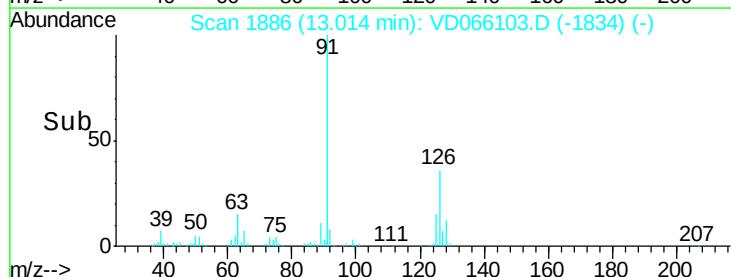
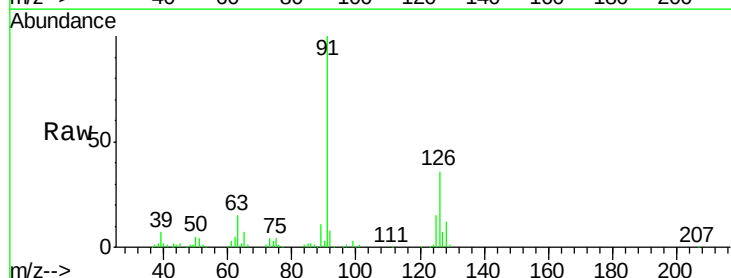
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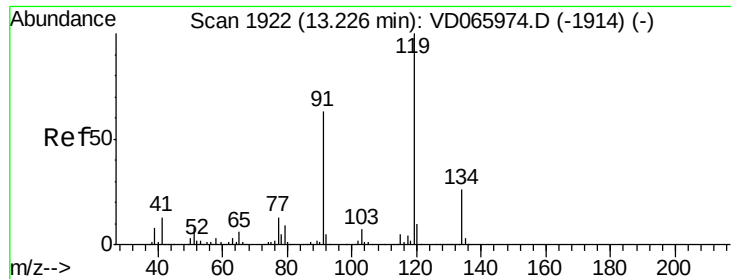
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#82
4-Chlorotoluene
Concen: 22.170 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5





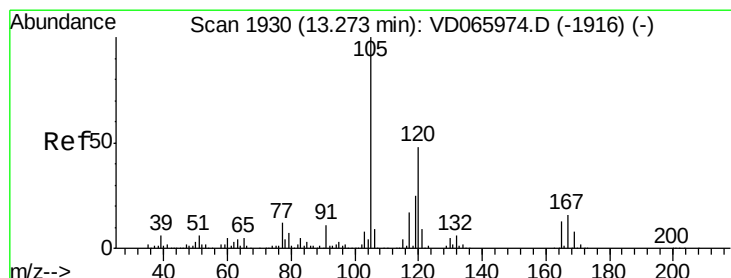
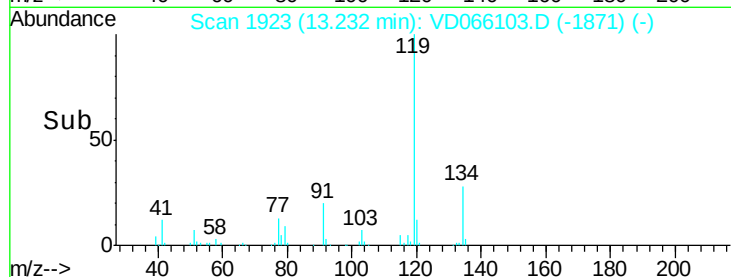
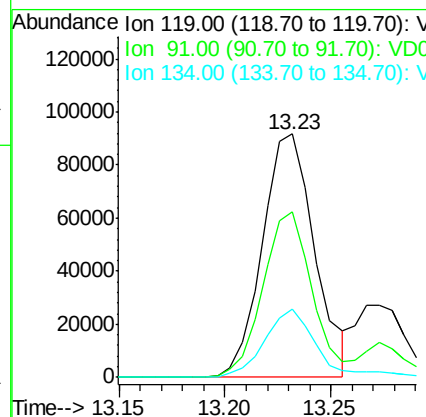
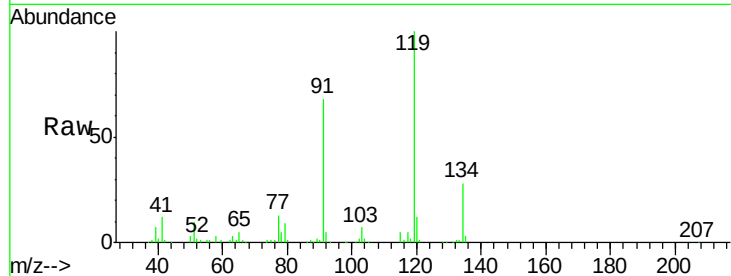
#83
tert-Butylbenzene
Concen: 22.339 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158381		
91	63.6	30.6	91.6	
134	28.1	13.9	41.7	

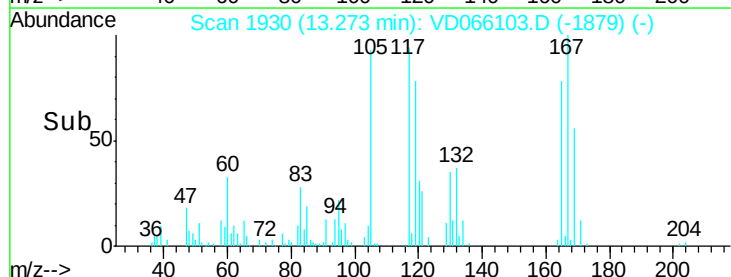
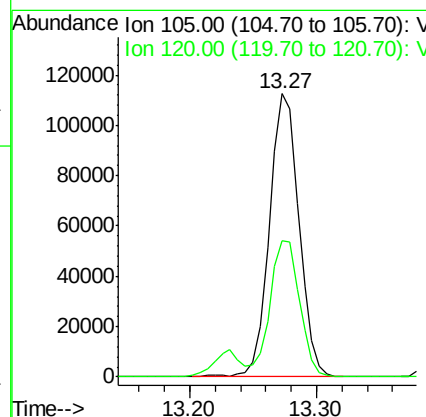
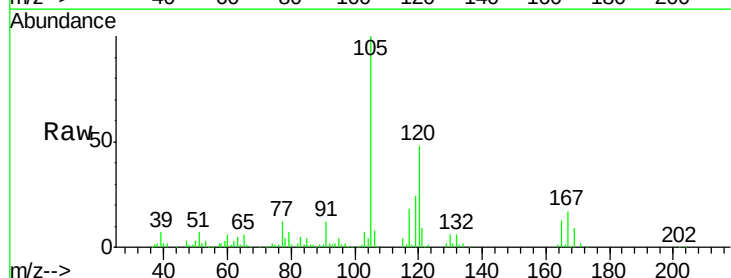
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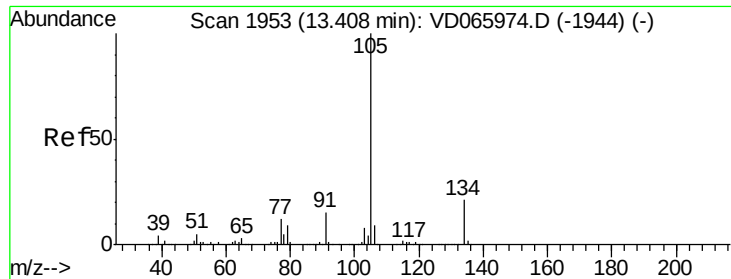
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#84
1,2,4-Trimethylbenzene
Concen: 22.825 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182445		
120	48.5	23.9	71.8	





#85

sec-Butylbenzene

Concen: 22.426 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

Tot Ion:105 Resp: 219005

Ion Ratio Lower Upper

105 100

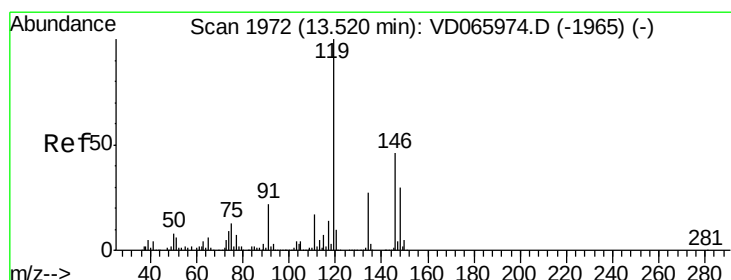
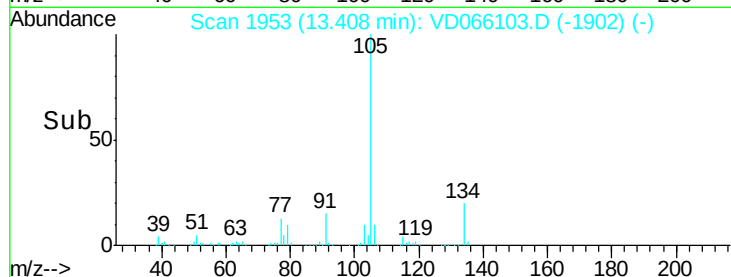
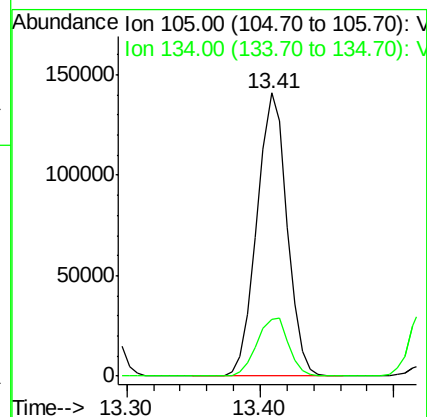
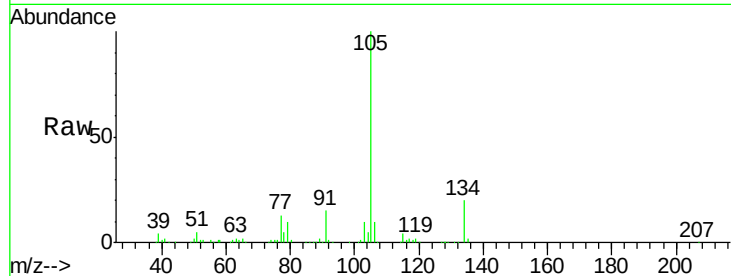
134 21.5 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 23.373 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

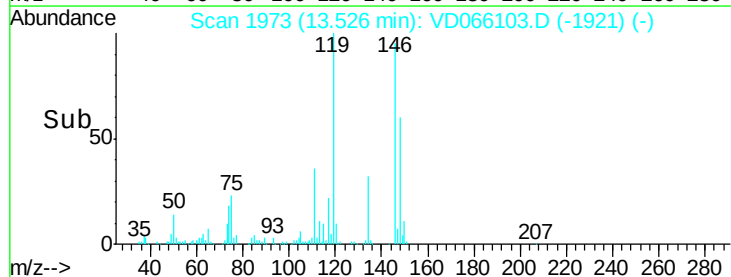
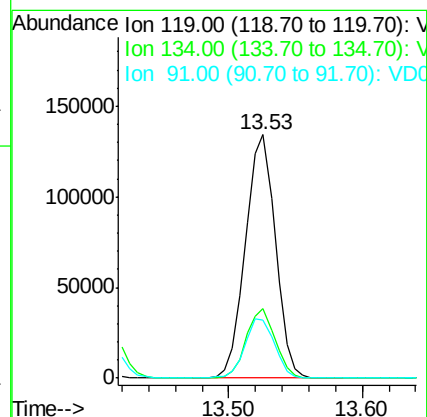
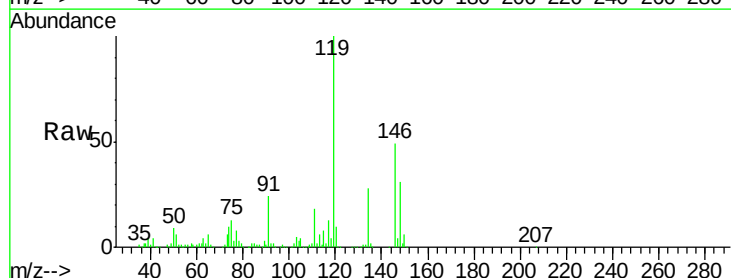
Tgt Ion:119 Resp: 207365

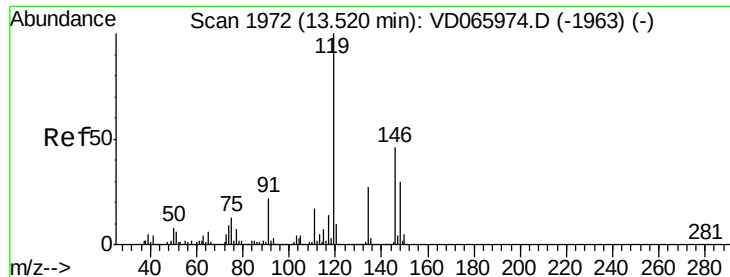
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 24.5 11.1 33.3





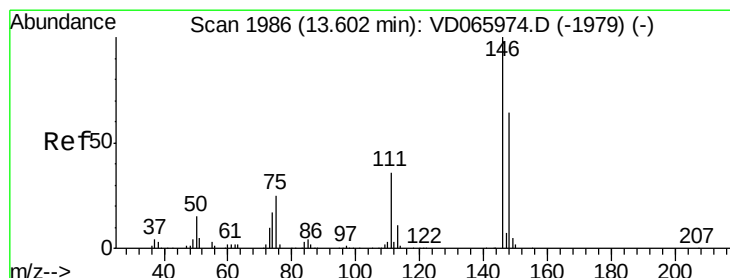
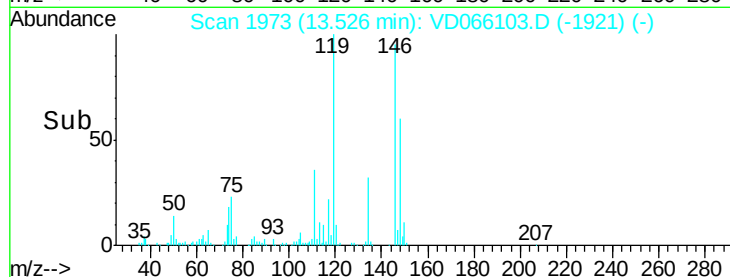
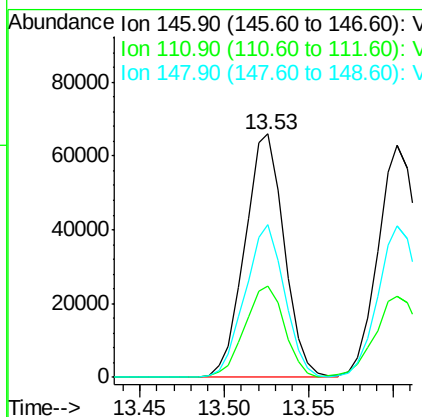
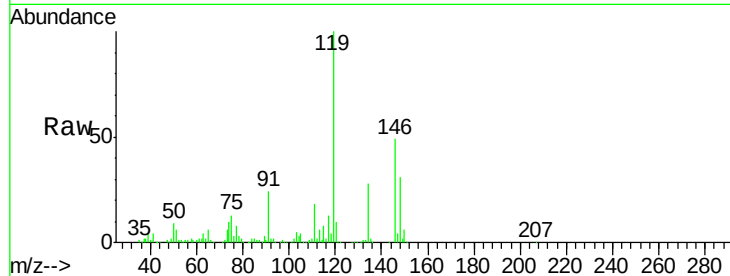
#87
 1,3-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.6
148	63.0	32.4	97.0

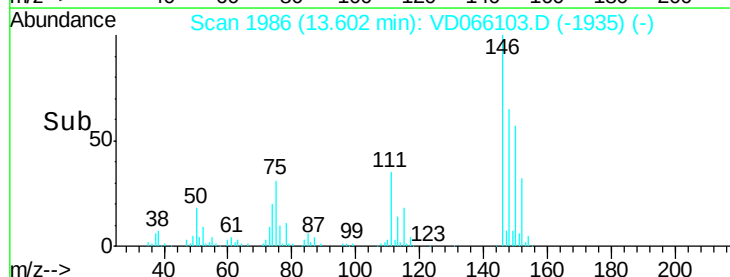
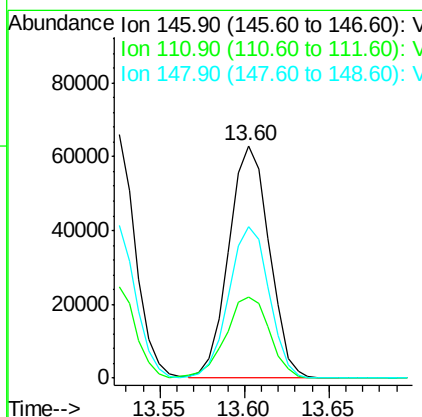
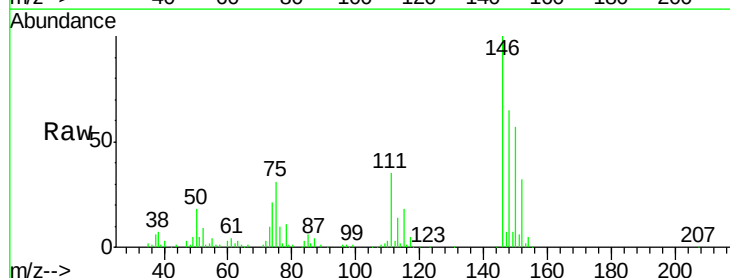
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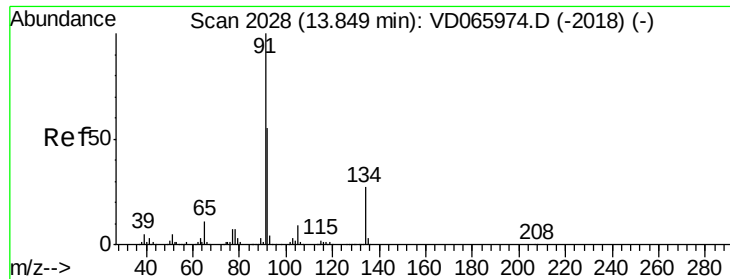
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#88
 1,4-Dichlorobenzene
 Concen: 22.238 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	65.1	32.2	96.6





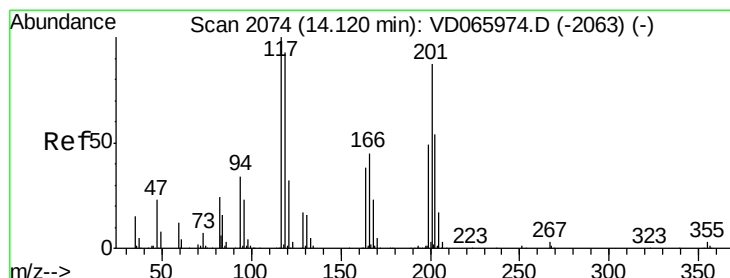
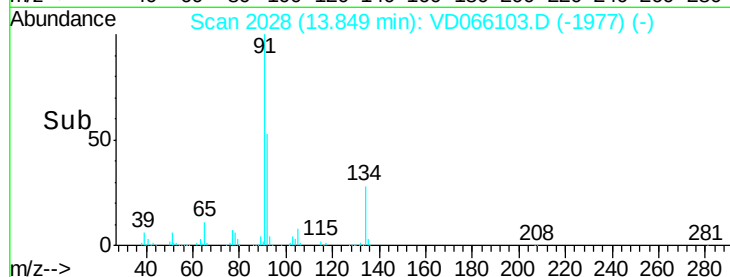
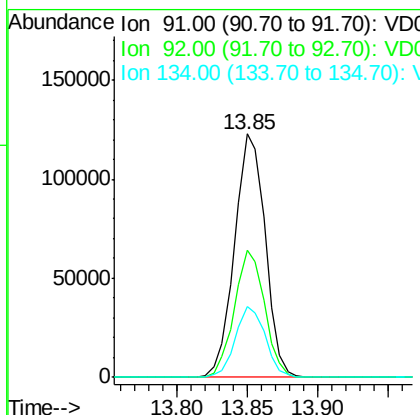
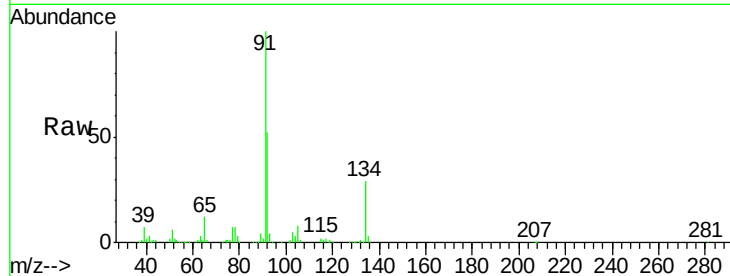
#89
n-Butylbenzene
Concen: 22.579 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.2	81.6
134	28.4	13.8	41.4

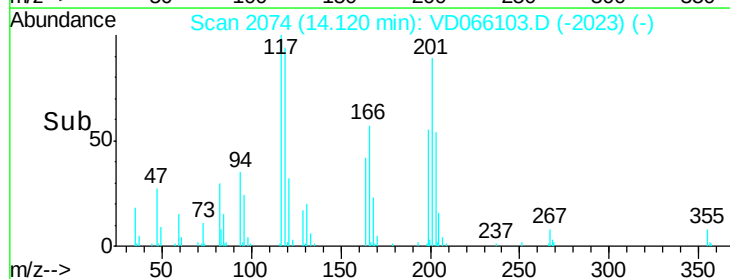
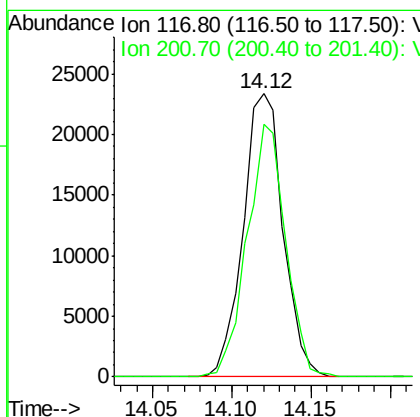
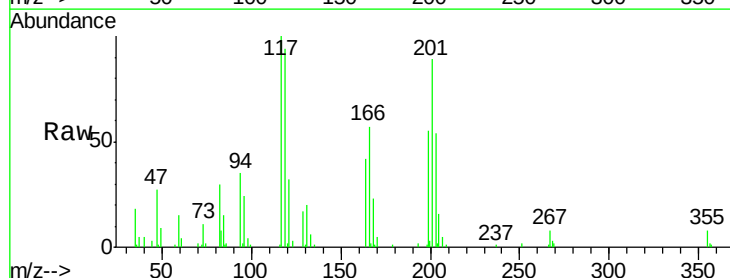
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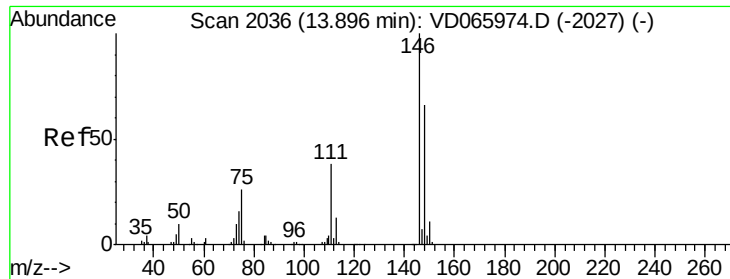
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#90
Hexachloroethane
Concen: 22.237 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.0	126.1





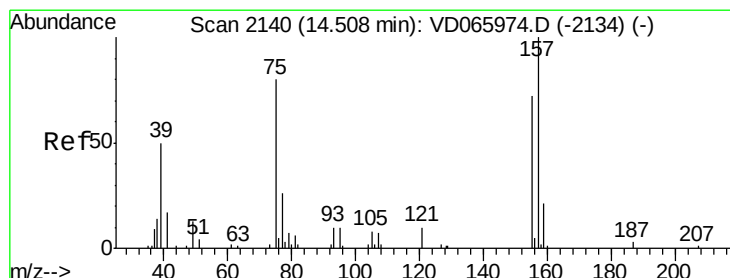
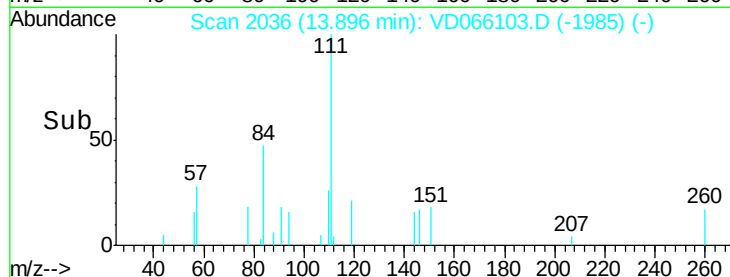
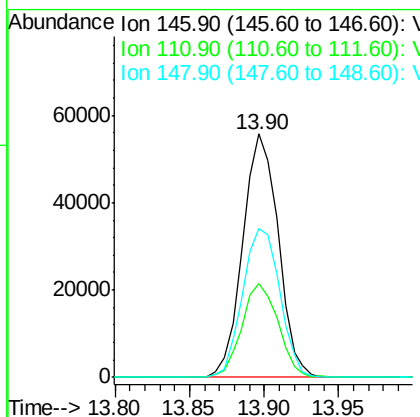
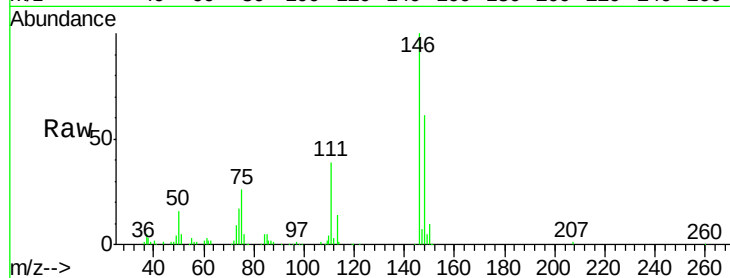
#91
 1,2-Dichlorobenzene
 Concen: 22.647 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.0	32.7	98.1

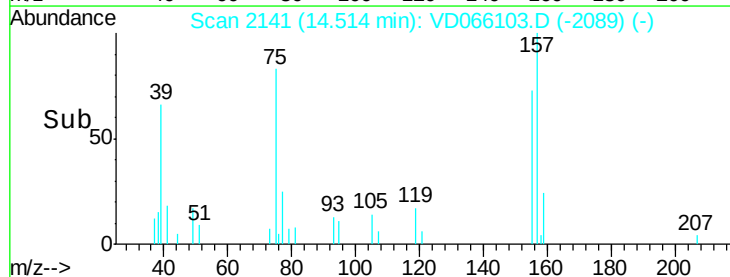
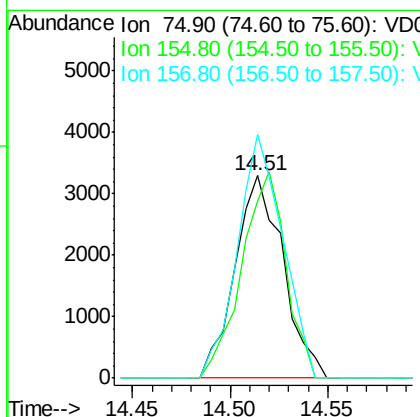
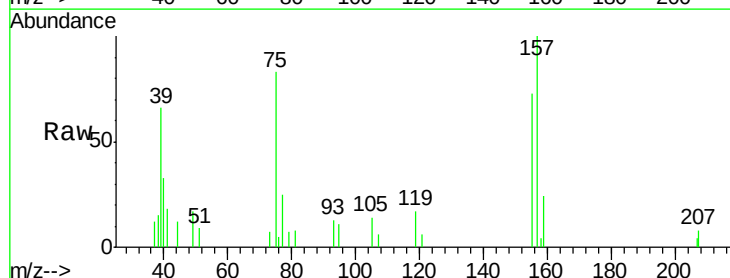
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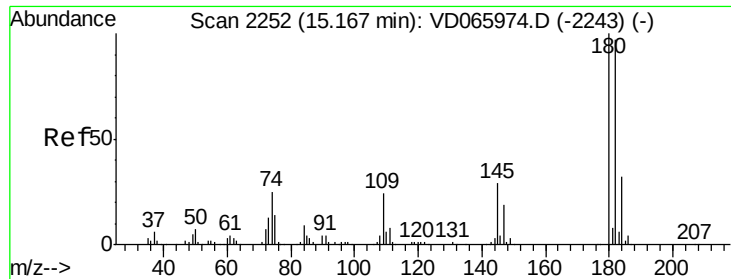
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.014 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	48.5	145.5
157	113.8	64.7	194.1





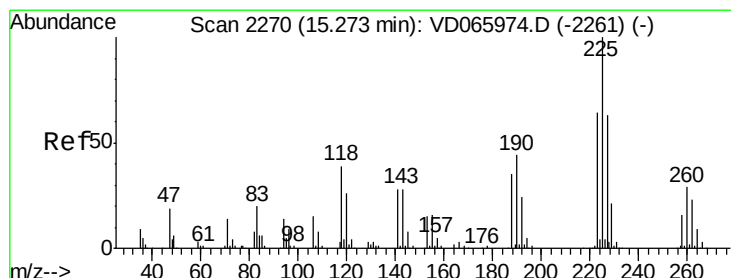
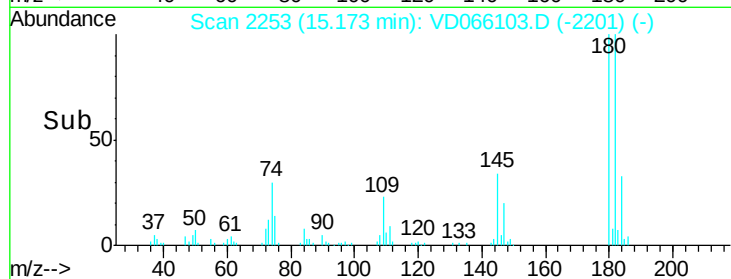
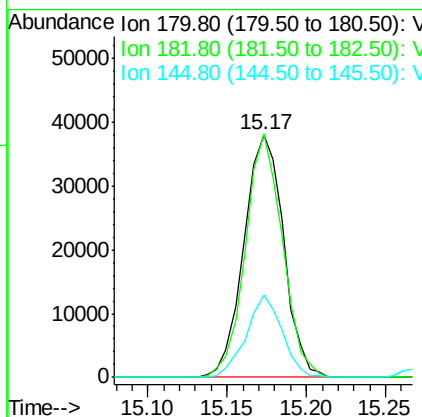
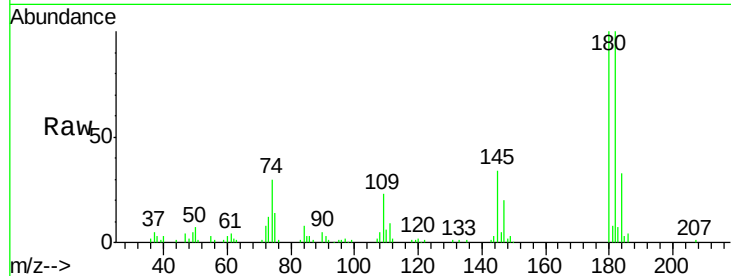
#93
 1,2,4-Trichlorobenzene
 Concen: 22.728 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	30.7	14.7	44.1

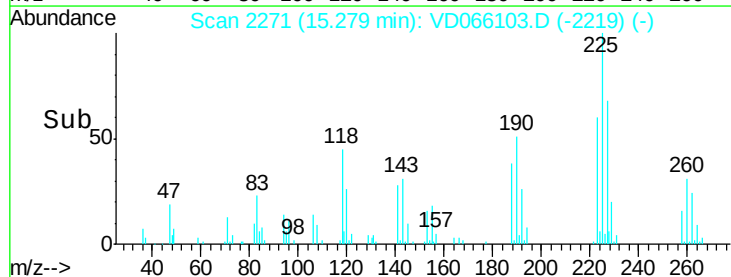
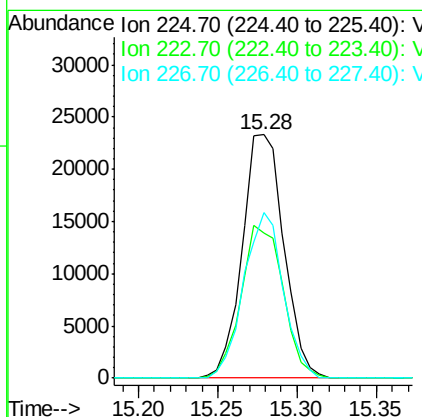
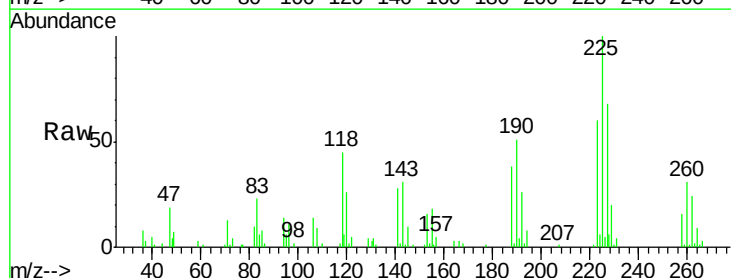
Manual Integrations
 APPROVED

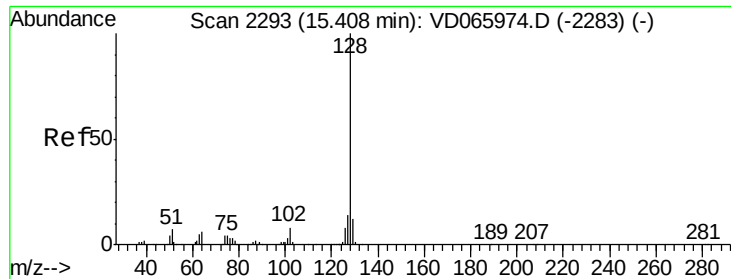
MMDadoda
 7/31/2020 11:56:11 AM



#94
 Hexachlorobutadiene
 Concen: 23.678 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.2	93.6
227	64.5	31.6	94.8





#95

Naphthalene

Concen: 20.674 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

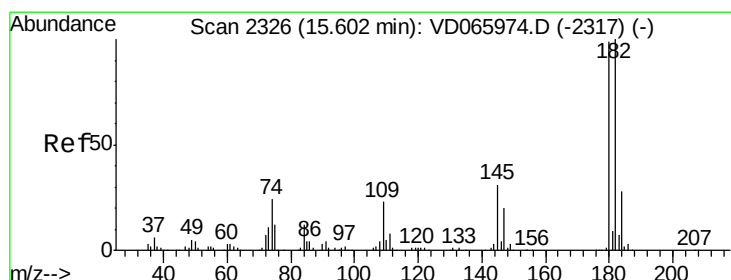
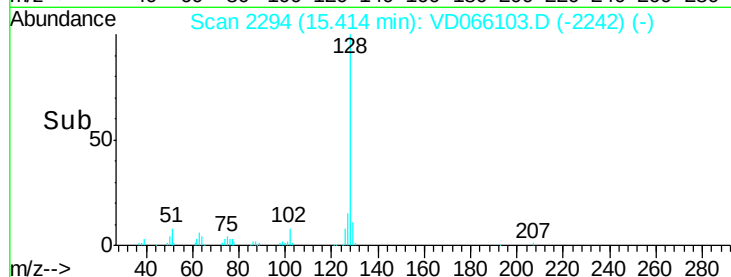
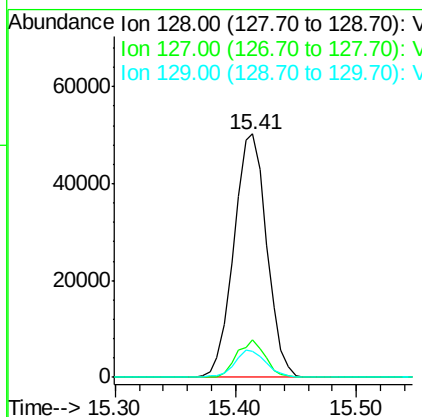
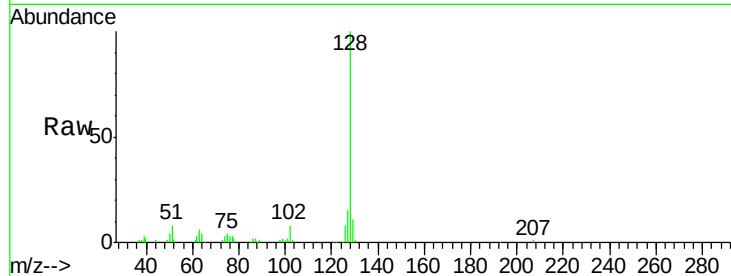
ClientSampleId :

VD0730SBS01

Tot Ion:	128	Resp:	95413
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/31/2020 11:56:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.277 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion:	180	Resp:	56364
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	30.4	15.4	46.2

