

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065250.D
 Acq On : 20 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:55 PM

Quant Time: Feb 21 04:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	742167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230139	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.92	113	235983	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.34	98	938028	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	299387	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72051	17.287	ug/l	100
3) Chloromethane	2.21	50	100143	18.876	ug/l	99
4) Vinyl Chloride	2.35	62	101772	18.865	ug/l	98
5) Bromomethane	2.77	94	62384	19.126	ug/l	94
6) Chloroethane	2.93	64	63311	19.226	ug/l	100
7) Trichlorofluoromethane	3.27	101	145122	18.790	ug/l	94
8) Diethyl Ether	3.71	74	45479	19.508	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94834	19.444	ug/l	100
10) Methyl Iodide	4.30	142	102191	20.179	ug/l	98
11) Tert butyl alcohol	5.25	59	32454	121.486	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	90990	19.749	ug/l	94
13) Acrolein	3.93	56	45332	123.761	ug/l	98
14) Allyl chloride	4.71	41	147663	19.736	ug/l	99
15) Acrylonitrile	5.43	53	101616	98.449	ug/l	98
16) Acetone	4.17	43	96000	87.846	ug/l	98
17) Carbon Disulfide	4.40	76	298251	19.308	ug/l	98
18) Methyl Acetate	4.72	43	51090	20.787	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	184346	19.187	ug/l	91
20) Methylene Chloride	4.97	84	112644	20.428	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103632	19.785	ug/l	97
22) Diisopropyl ether	6.37	45	287420	19.927	ug/l	99
23) Vinyl Acetate	6.31	43	757325	95.241	ug/l	100
24) 1,1-Dichloroethane	6.27	63	178710	19.976	ug/l	98
25) 2-Butanone	7.23	43	123932	89.633	ug/l	99
26) 2,2-Dichloropropane	7.21	77	153345	19.755	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110809	19.972	ug/l	98
28) Bromochloromethane	7.55	49	62421	18.807	ug/l	96
29) Tetrahydrofuran	7.57	42	81272	100.320	ug/l	98
30) Chloroform	7.71	83	176264	19.556	ug/l	98
31) Cyclohexane	7.98	56	163245	18.571	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	156814	19.445	ug/l	99
36) 1,1-Dichloropropene	8.12	75	141972	19.660	ug/l	100
37) Ethyl Acetate	7.30	43	57416	19.019	ug/l	97
38) Carbon Tetrachloride	8.10	117	141981	19.314	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160554	18.912	ug/l	97
40) Benzene	8.36	78	409954	20.113	ug/l	98
41) Methacrylonitrile	7.53	41	31809	18.249	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109502	19.542	ug/l	99
43) Isopropyl Acetate	8.46	43	104838	19.097	ug/l	98
44) Trichloroethene	9.11	130	113298	20.053	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99053	19.543	ug/l	97
46) Dibromomethane	9.48	93	52395	20.092	ug/l	98
47) Bromodichloromethane	9.67	83	135570	19.727	ug/l	99
48) Methyl methacrylate	9.46	41	49563	19.532	ug/l	98
49) 1,4-Dioxane	9.47	88	11594	379.071	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	268080	96.145	ug/l	99
52) Toluene	10.41	92	258928	20.523	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123278	19.353	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	152137	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	73640	20.063	ug/l	97
56) Ethyl methacrylate	10.67	69	79212	18.697	ug/l	95
57) 1,3-Dichloropropane	10.95	76	125063	20.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131395	98.375	ug/l	99
59) 2-Hexanone	10.99	43	188390	94.386	ug/l	99
60) Dibromochloromethane	11.15	129	92453	19.680	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69721	20.062	ug/l	98
64) Tetrachloroethene	10.88	164	98106	20.454	ug/l	95
65) Chlorobenzene	11.68	112	269241	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101143	19.971	ug/l	99
67) Ethyl Benzene	11.75	91	469862	19.768	ug/l	100
68) m/p-Xylenes	11.86	106	368903	40.566	ug/l	99
69) o-Xylene	12.19	106	161798	20.083	ug/l	99
70) Styrene	12.20	104	285790	19.979	ug/l	99
71) Bromoform	12.37	173	54495	19.391	ug/l #	98
73) Isopropylbenzene	12.48	105	442595	20.418	ug/l	99
74) N-amyl acetate	12.30	43	90410	18.770	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	77072	19.700	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54466m	19.551	ug/l	
77) Bromobenzene	12.77	156	109339	20.313	ug/l	98
78) n-propylbenzene	12.83	91	538157	20.659	ug/l	100
79) 2-Chlorotoluene	12.91	91	294524	20.182	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	366617	20.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24383	18.898	ug/l	95
82) 4-Chlorotoluene	13.01	91	319211	20.604	ug/l	99
83) tert-Butylbenzene	13.23	119	296223	19.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367210	20.549	ug/l	99
85) sec-Butylbenzene	13.41	105	436591	20.248	ug/l	100
86) p-Isopropyltoluene	13.53	119	399316	20.251	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	209866	20.168	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206241	20.081	ug/l	99
89) n-Butylbenzene	13.86	91	365979	20.142	ug/l	98
90) Hexachloroethane	14.12	117	79019	19.736	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	179915	20.136	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11506	19.085	ug/l	94

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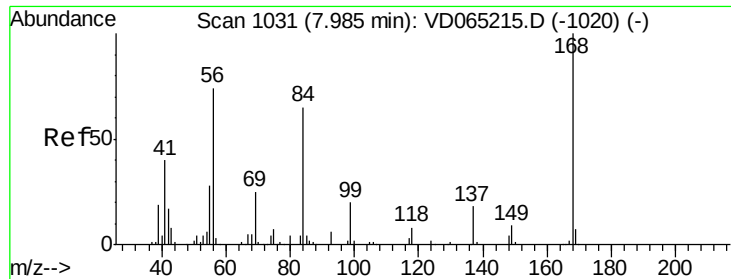
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119292	20.411	ug/l	99
94) Hexachlorobutadiene	15.28	225	74594	19.896	ug/l	99
95) Naphthalene	15.41	128	188419	19.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105758	20.719	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBSD01

Tot Ion:168 Resp: 496943

Ion Ratio Lower Upper

168 100

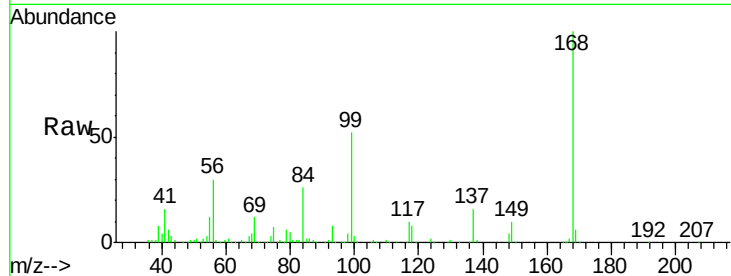
99 51.6 41.4 62.2

Manual Integrations

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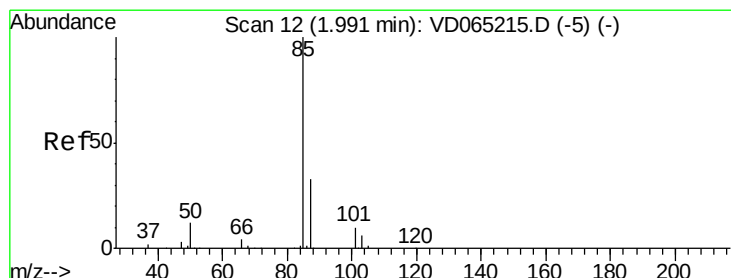
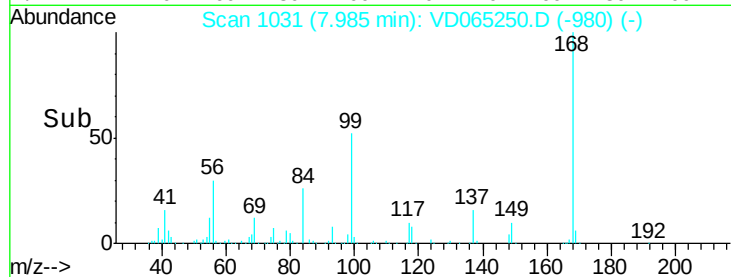
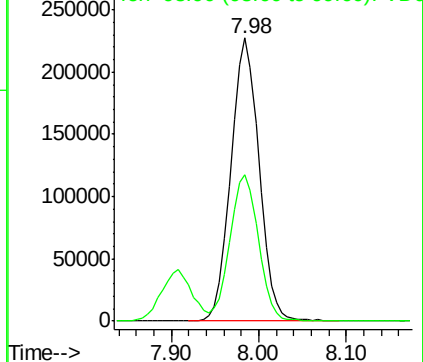
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.287 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065250.D

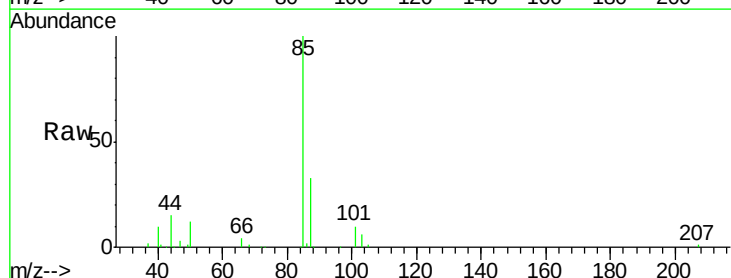
Acq: 20 Feb 2020 12:09

Tgt Ion: 85 Resp: 72051

Ion Ratio Lower Upper

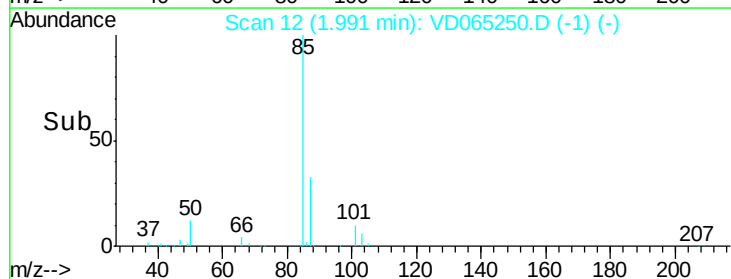
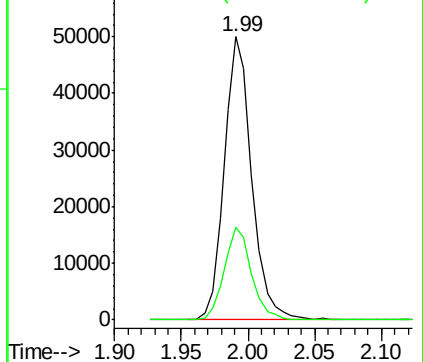
85 100

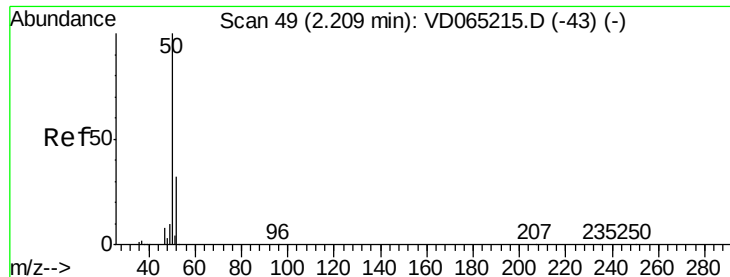
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.876 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 50 Resp: 100143

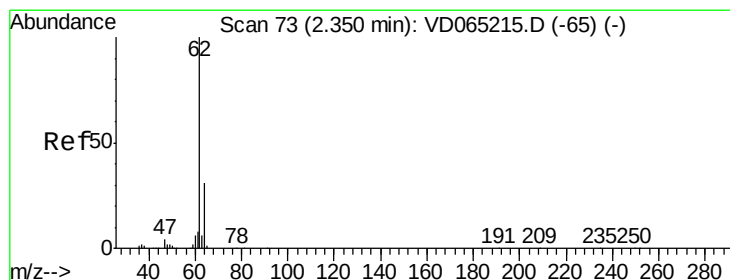
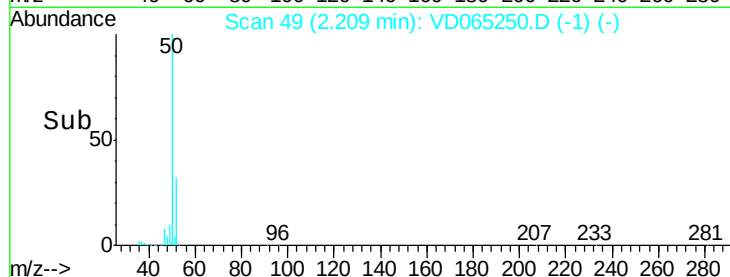
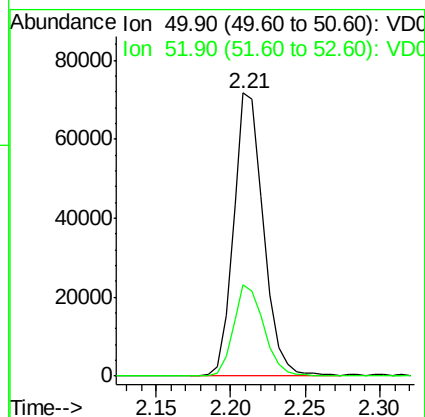
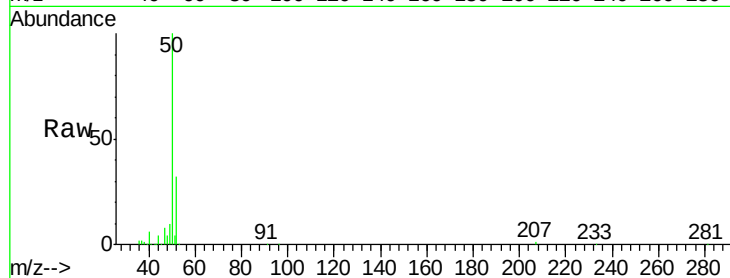
Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.865 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065250.D

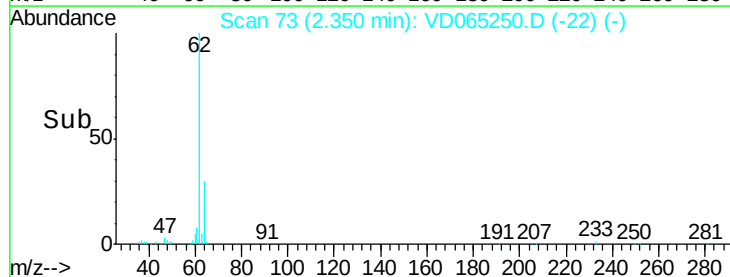
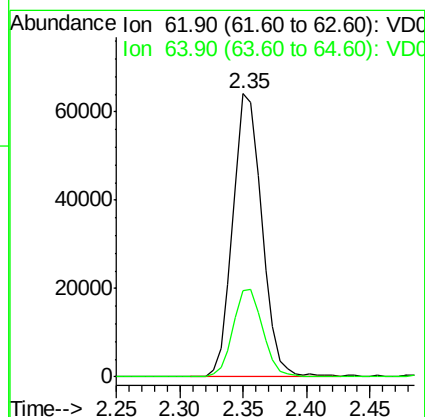
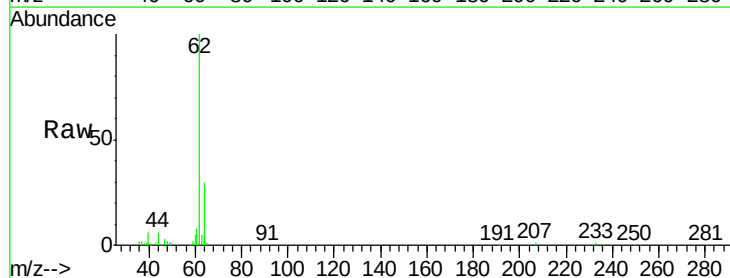
Acq: 20 Feb 2020 12:09

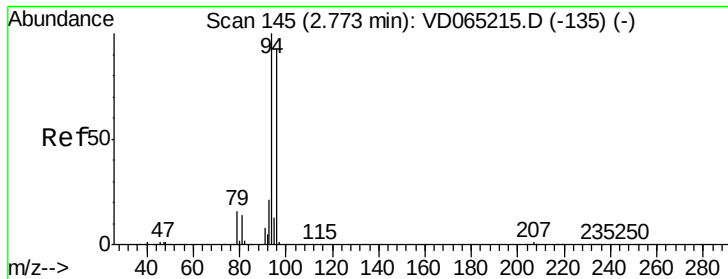
Tgt Ion: 62 Resp: 101772

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.6





#5

Bromomethane

Concen: 19.126 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBSD01

Tot Ion: 94 Resp: 62384

Ion Ratio Lower Upper

94 100

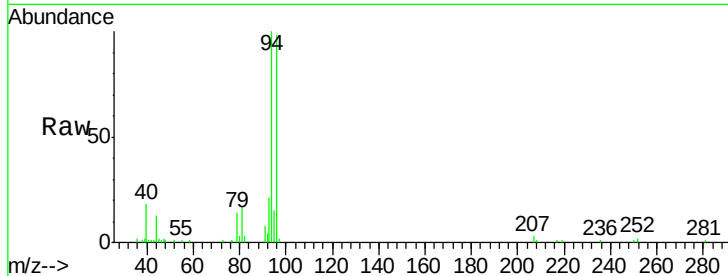
96 98.4 74.2 111.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

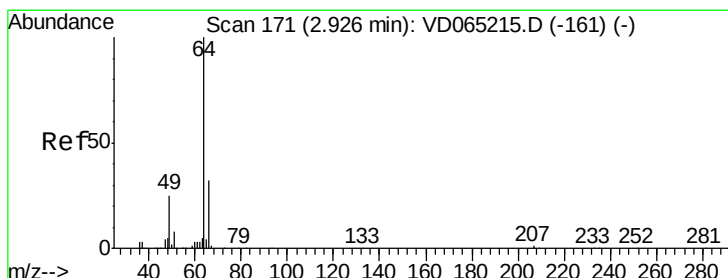
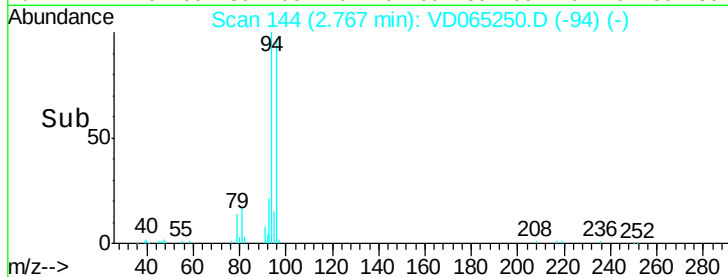
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 19.226 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065250.D

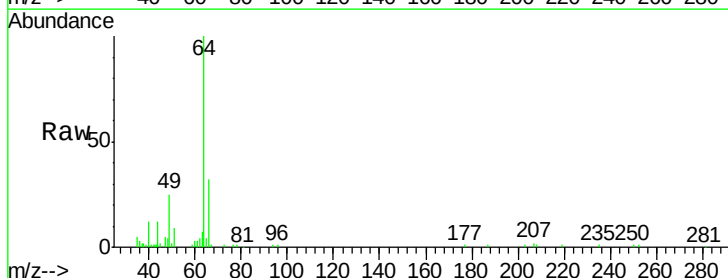
Acq: 20 Feb 2020 12:09

Tgt Ion: 64 Resp: 63311

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

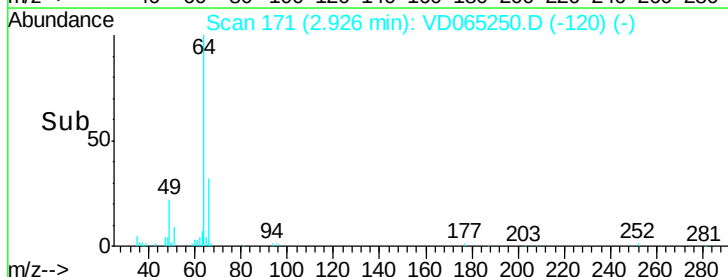
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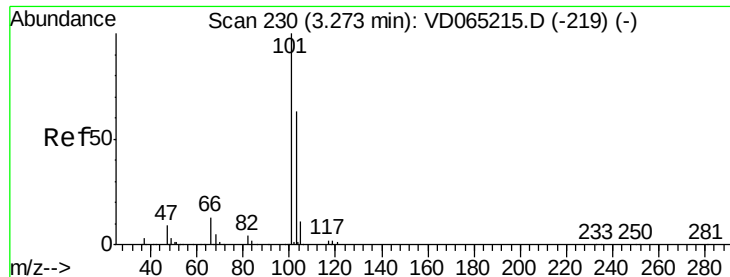
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Time-->

2.85 2.90 2.95 3.00





#7

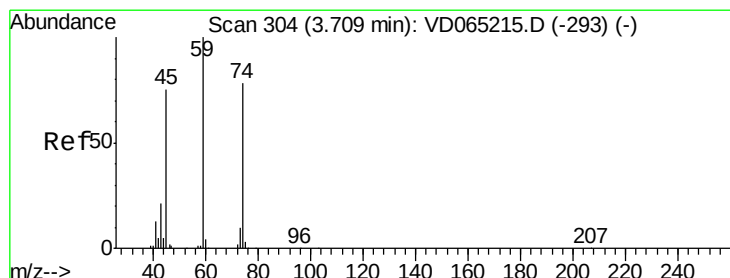
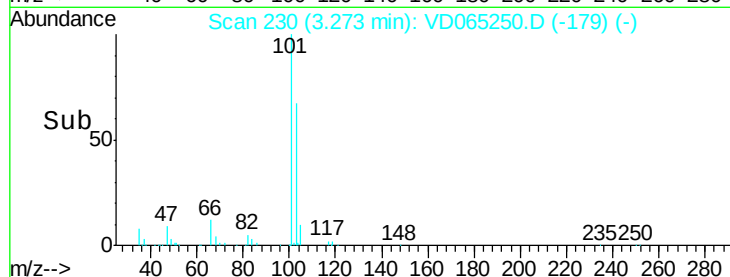
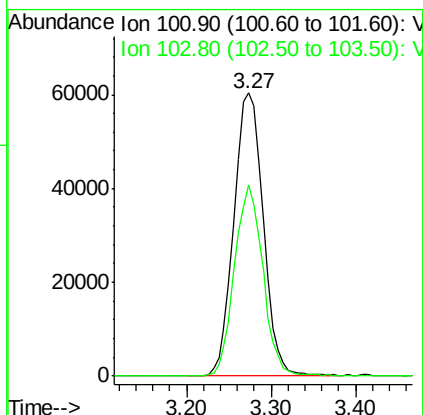
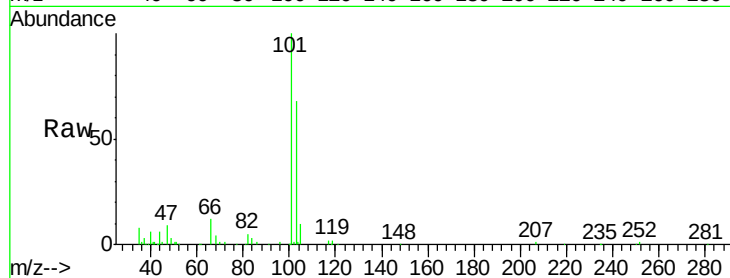
Trichlorofluoromethane
Concen: 18.790 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065250.D
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ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.7	76.1

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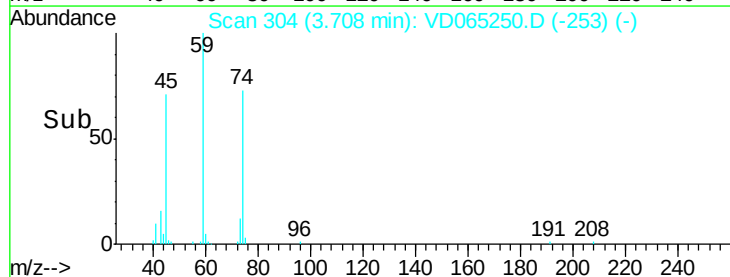
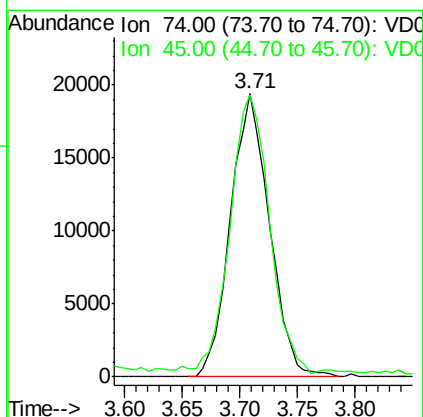
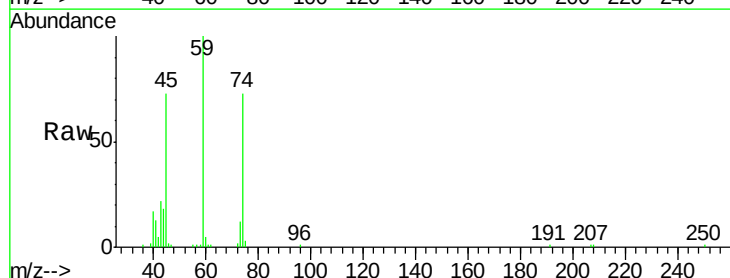
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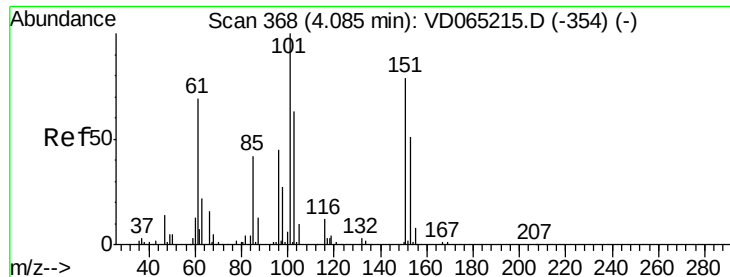


#8

Diethyl Ether
Concen: 19.508 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.444 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

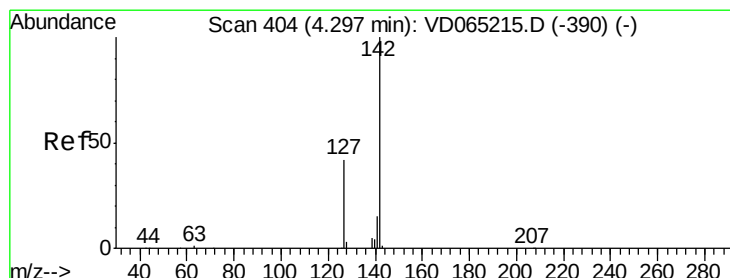
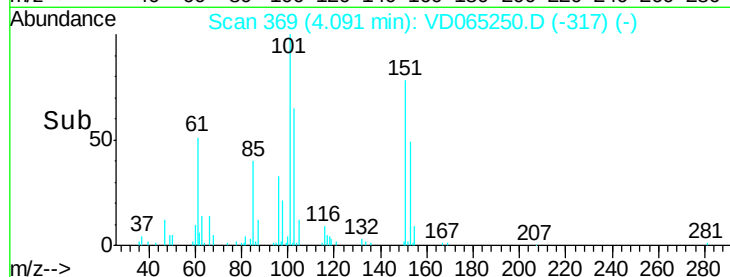
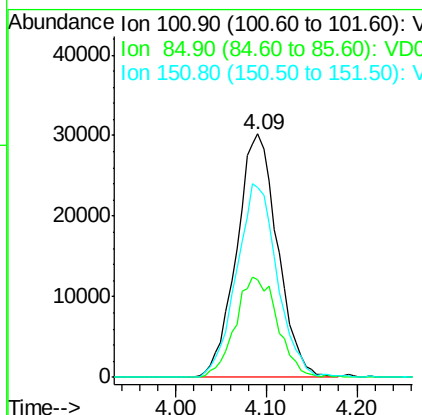
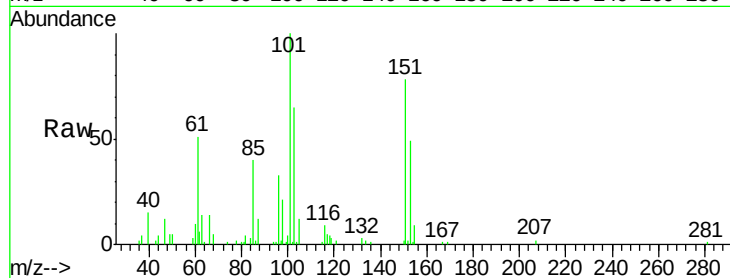
ClientSampleId :

VD0220SBSD01

Tot Ion:	101	Resp:	94834
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	79.1	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.179 ug/l

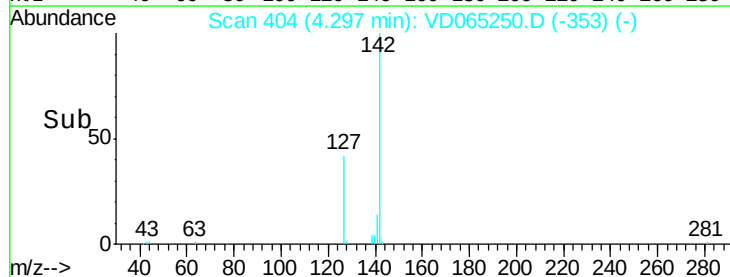
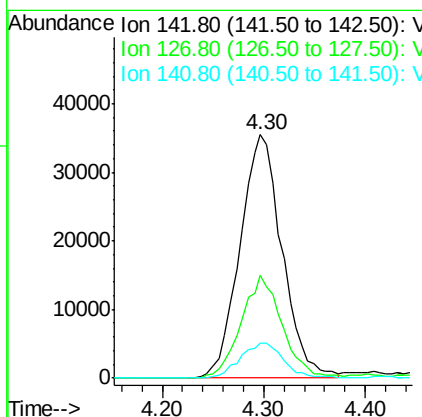
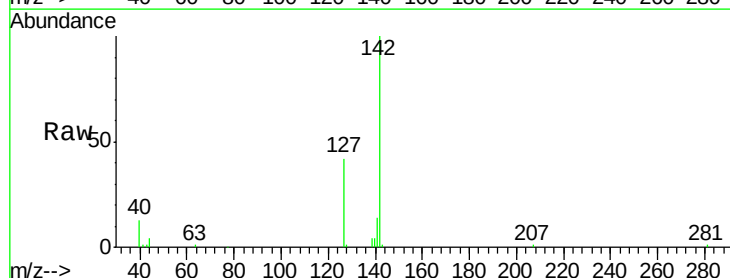
RT: 4.30 min Scan# 404

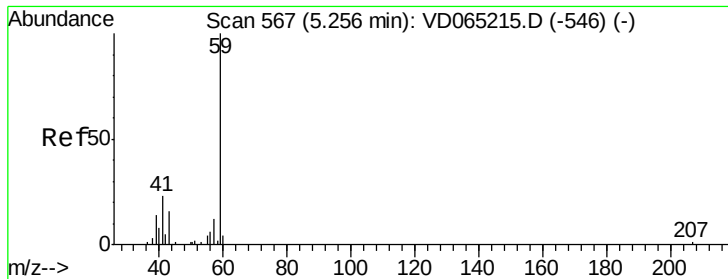
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion:	142	Resp:	102191
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.8
141	14.8	11.7	17.5





#11

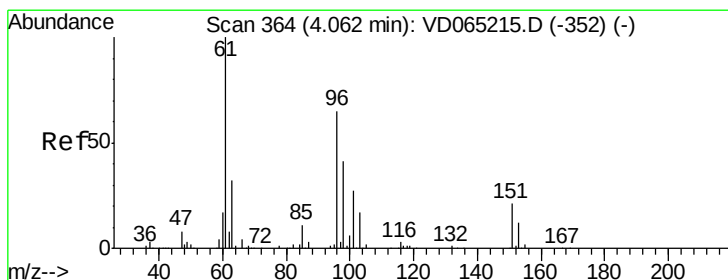
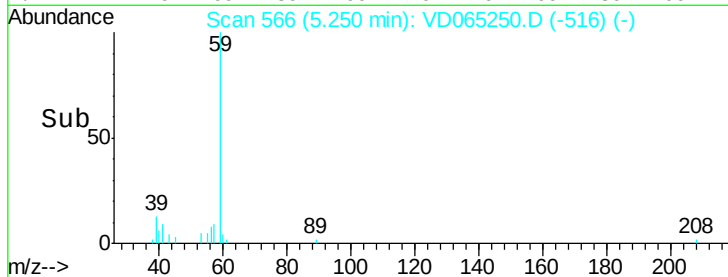
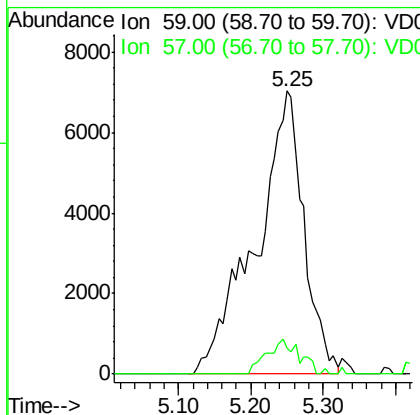
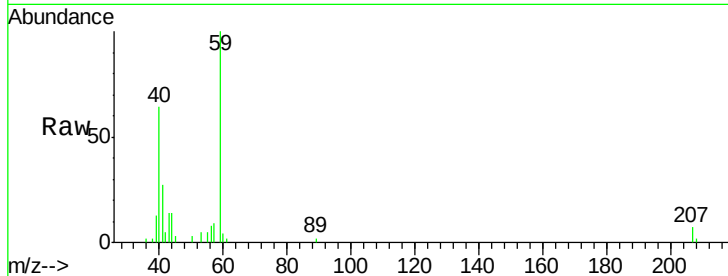
Tert butyl alcohol
 Concen: 121.486 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.4	12.6#

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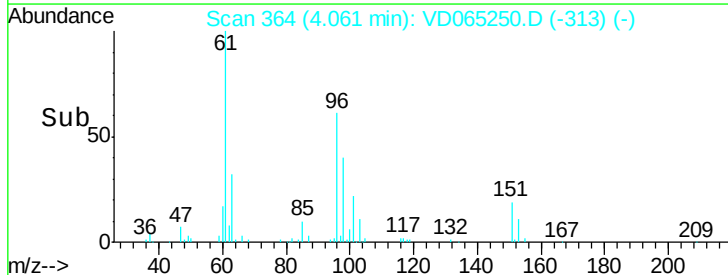
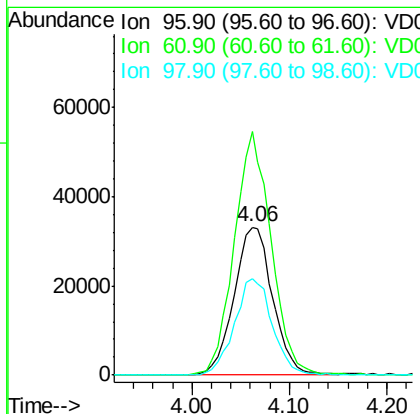
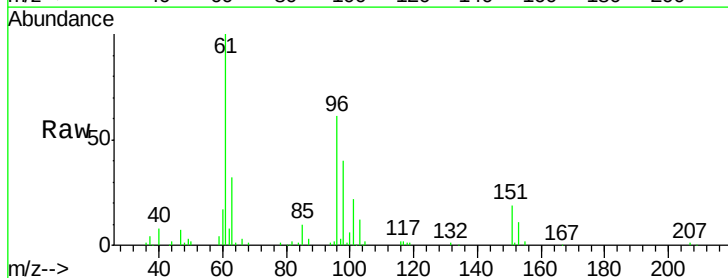
MMDadoda
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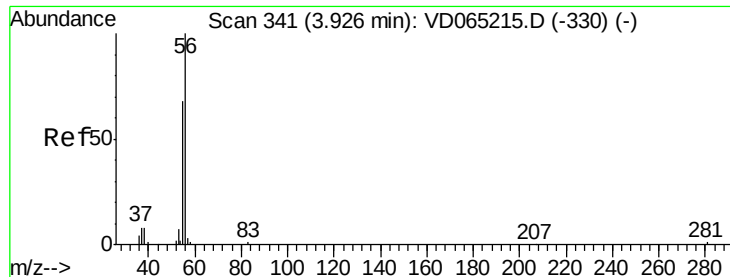


#12

1,1-Dichloroethene
 Concen: 19.749 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	123.3	184.9
98	65.2	51.0	76.4





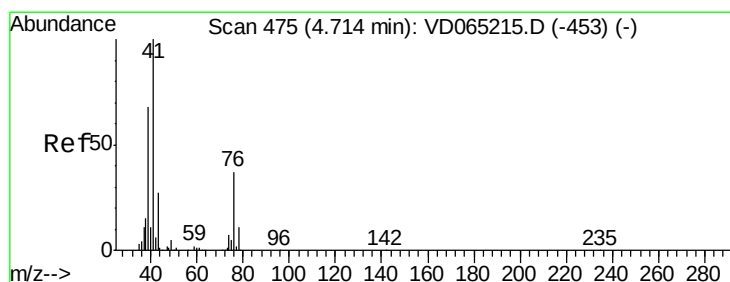
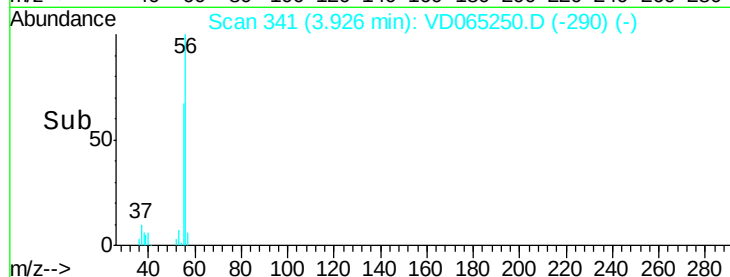
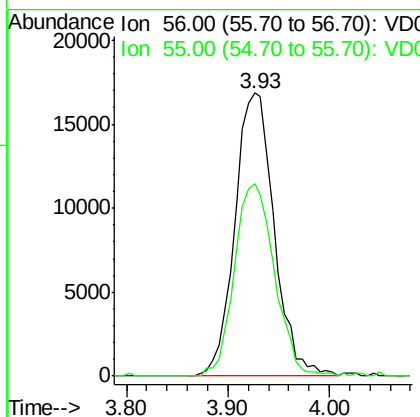
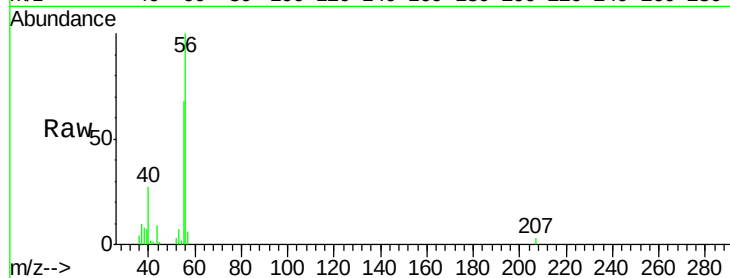
#13
Acrolein
Concen: 123.761 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.6	85.0

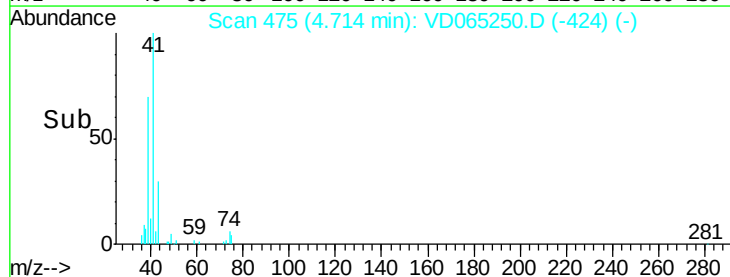
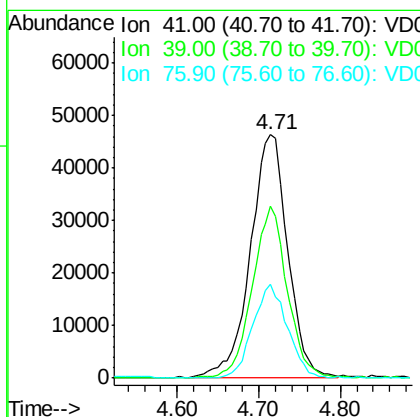
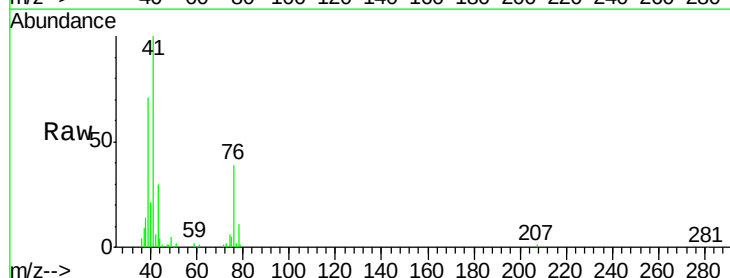
Manual Integrations
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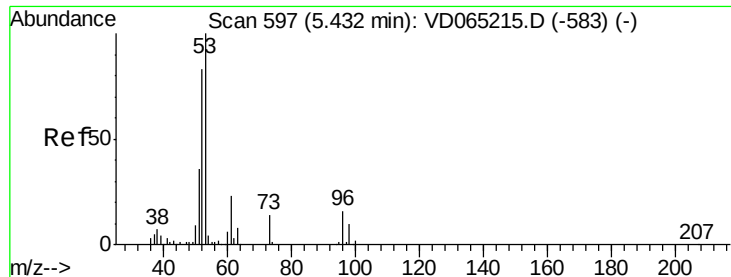
MMDadoda
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#14
Allyl chloride
Concen: 19.736 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.6
76	35.6	28.7	43.1





#15

Acrylonitrile

Concen: 98.449 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

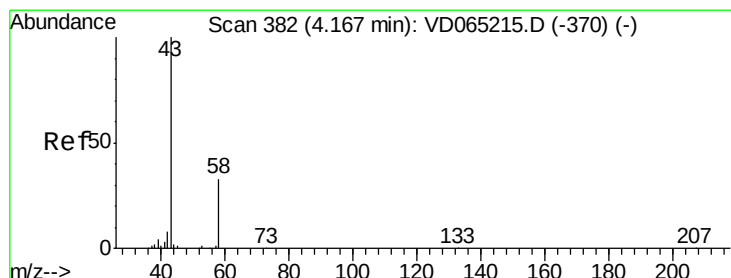
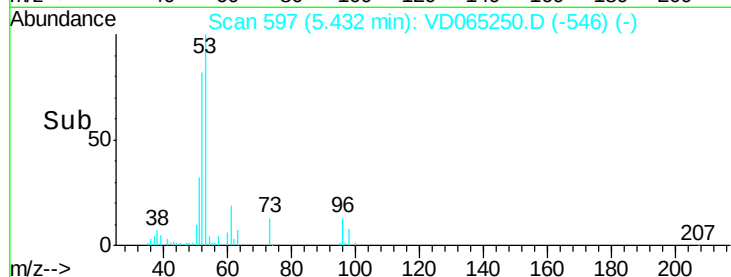
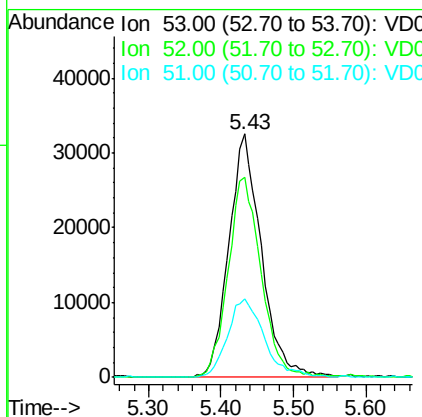
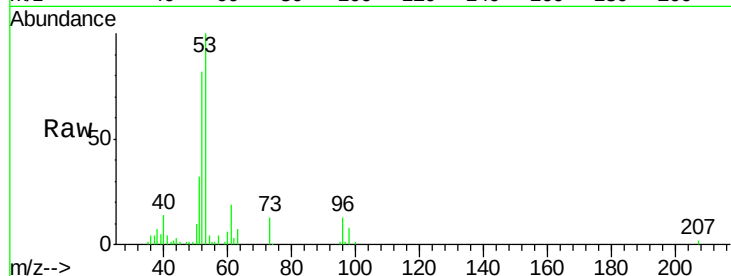
ClientSampleId :

VD0220SBS01

Tot Ion:	53	Resp:	101616
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.4	98.2
51	36.1	29.5	44.3

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#16

Acetone

Concen: 87.846 ug/l

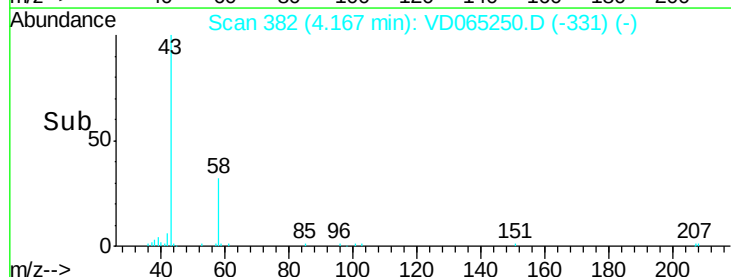
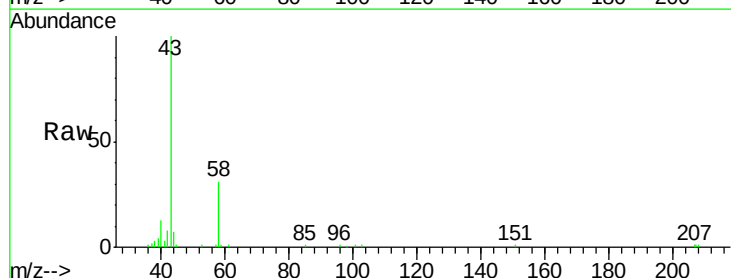
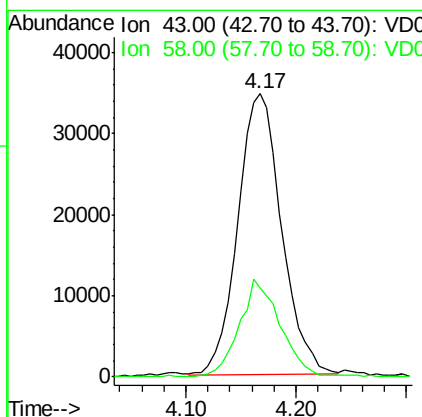
RT: 4.17 min Scan# 382

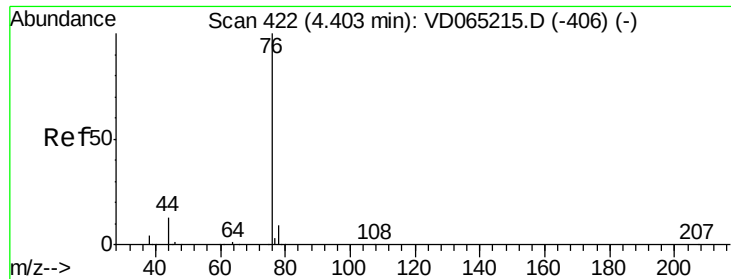
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion:	43	Resp:	96000
Ion Ratio		Lower	Upper
43	100		
58	31.7	26.2	39.2





#17

Carbon Disulfide

Concen: 19.308 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 76 Resp: 298251

Ion Ratio Lower Upper

76 100

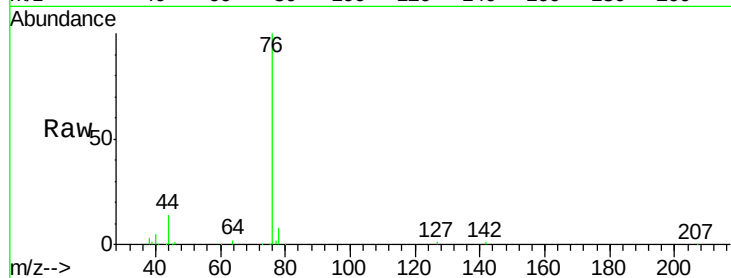
78 8.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

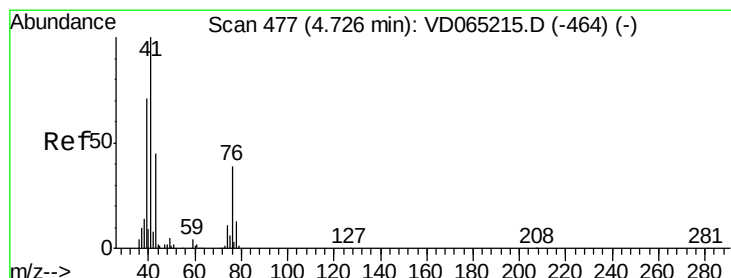
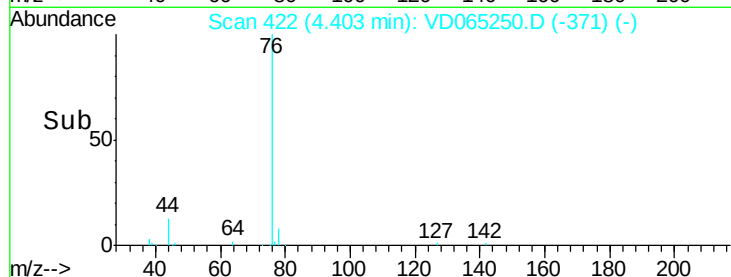
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.787 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065250.D

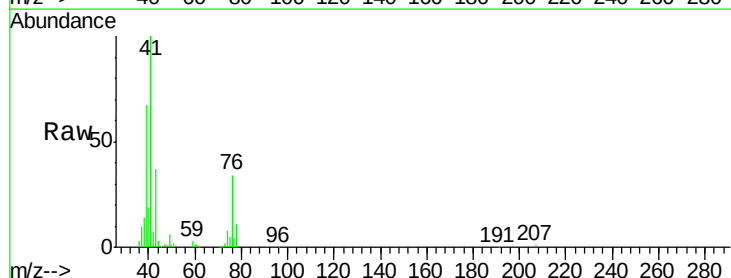
Acq: 20 Feb 2020 12:09

Tgt Ion: 43 Resp: 51090

Ion Ratio Lower Upper

43 100

74 22.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

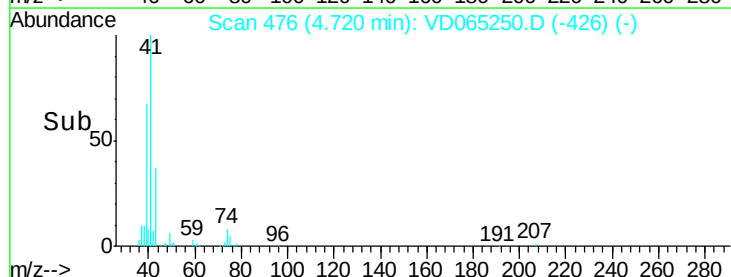
15000

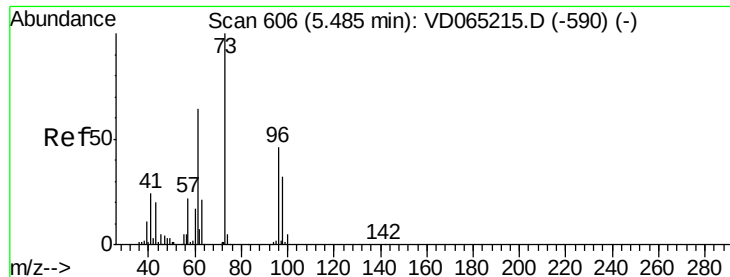
10000

5000

0

Time-->





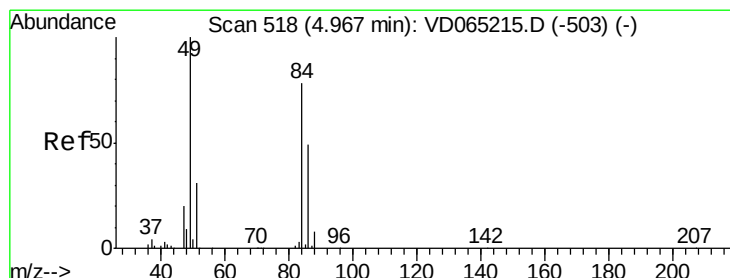
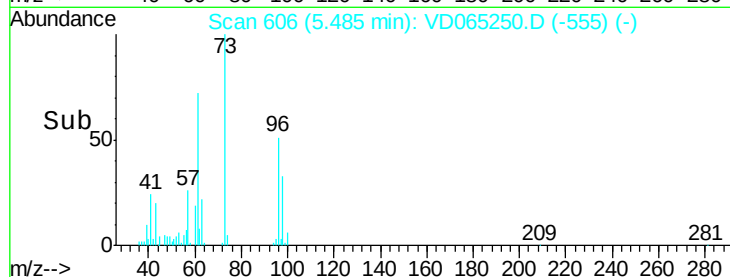
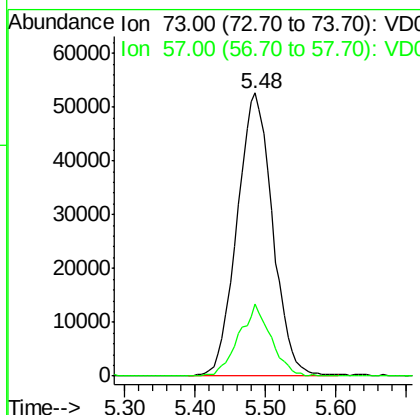
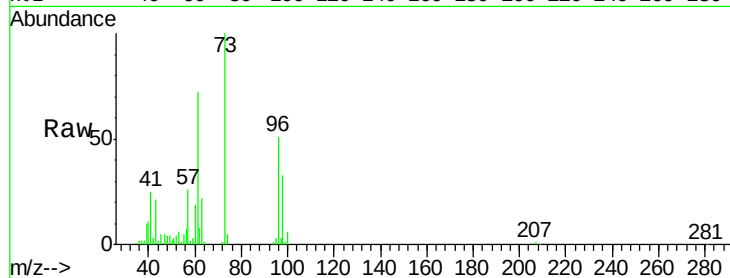
#19
Methyl tert-butyl Ether
Concen: 19.187 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion: 73 Resp: 184346
Ion Ratio Lower Upper
73 100
57 25.7 17.3 25.9

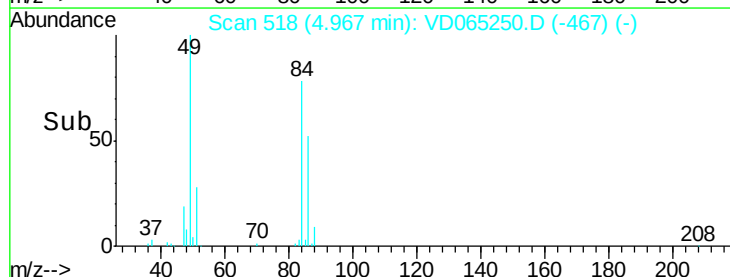
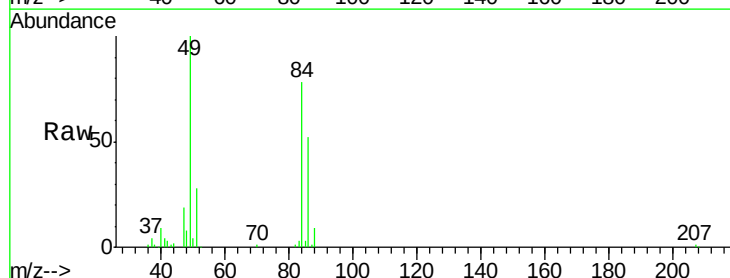
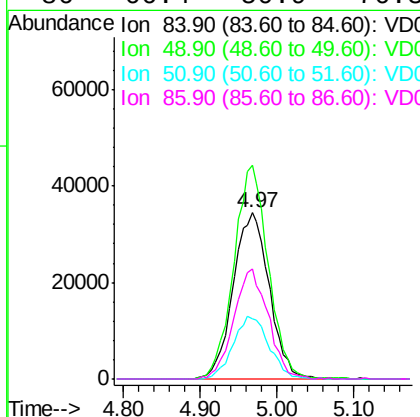
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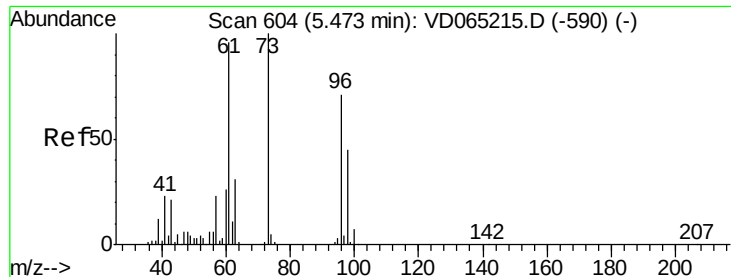
MMDadoda
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#20
Methylene Chloride
Concen: 20.428 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 84 Resp: 112644
Ion Ratio Lower Upper
84 100
49 128.7 103.1 154.7
51 36.2 31.7 47.5
86 66.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.785 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

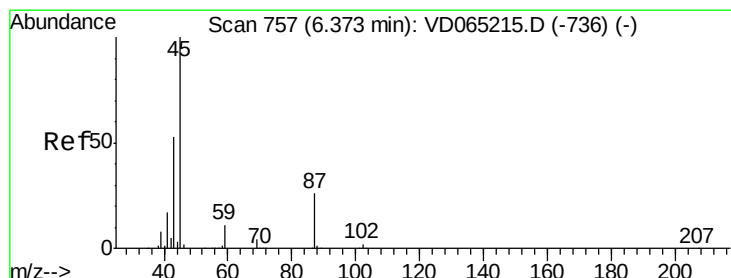
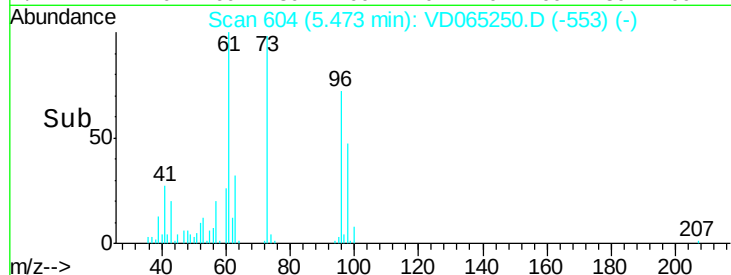
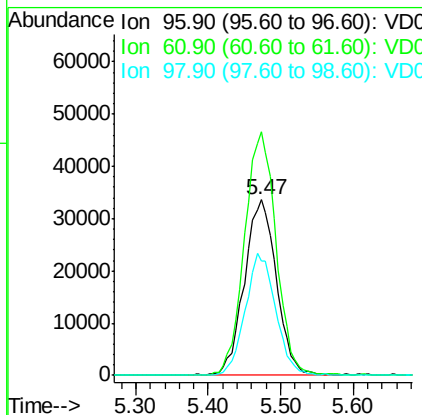
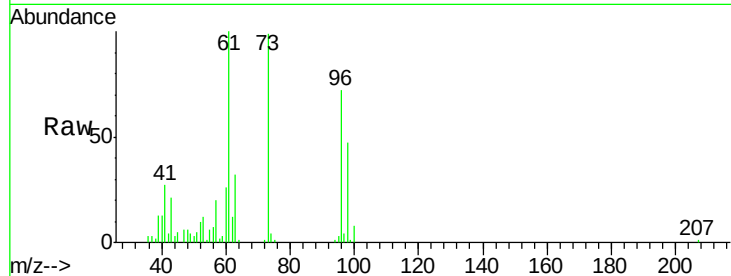
ClientSampleId :

VD0220SBS01

Tot Ion:	96	Resp:	103632
Ion	Ratio	Lower	Upper
96	100		
61	138.6	108.3	162.5
98	65.4	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.927 ug/l

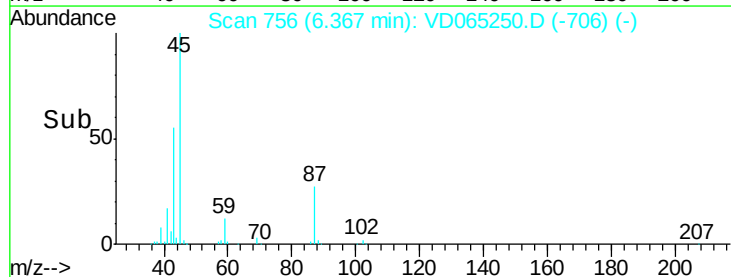
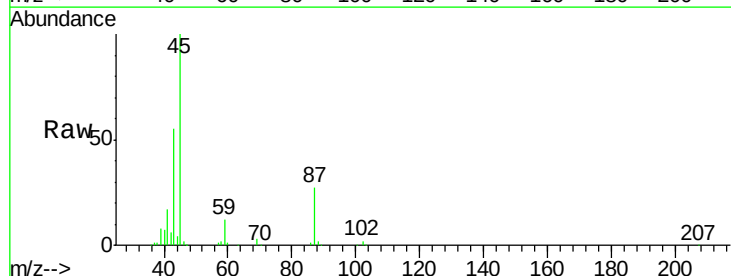
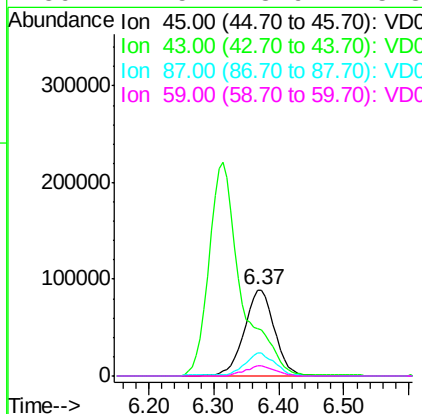
RT: 6.37 min Scan# 756

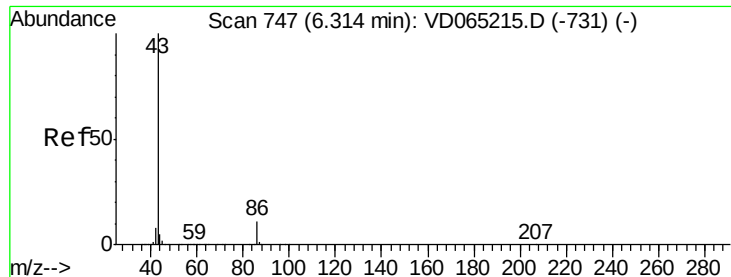
Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion:	45	Resp:	287420
Ion	Ratio	Lower	Upper
45	100		
43	54.1	42.6	64.0
87	26.8	21.2	31.8
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 95.241 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 43 Resp: 757325

Ion Ratio Lower Upper

43 100

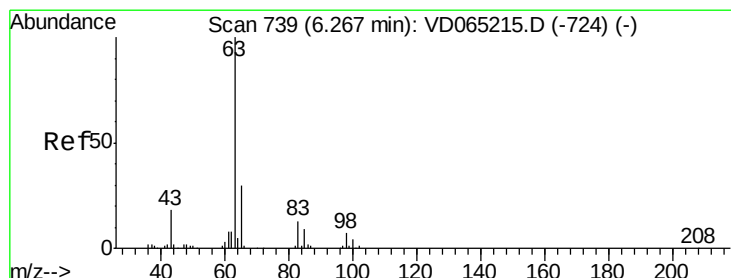
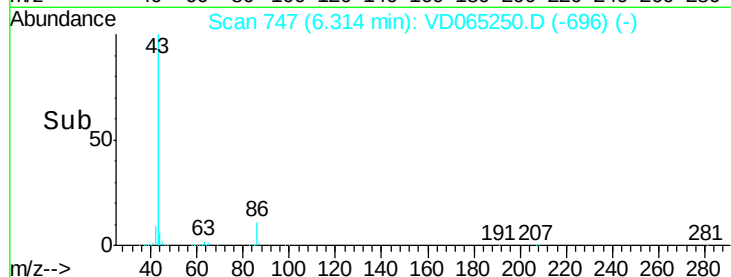
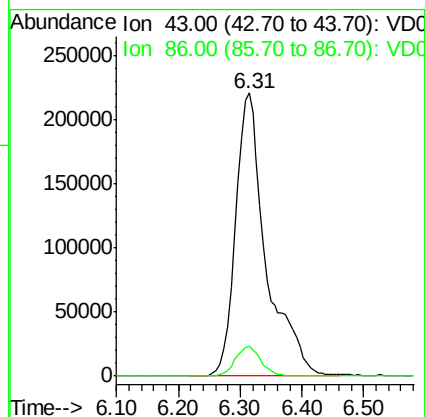
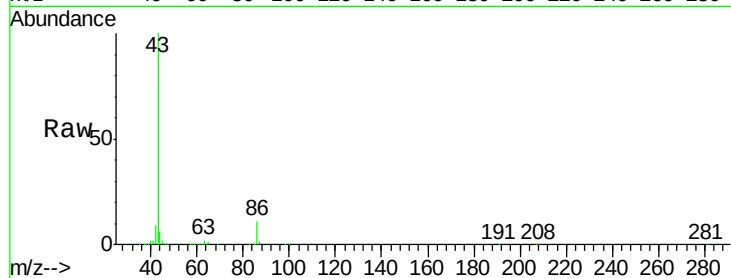
86 10.8 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.976 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

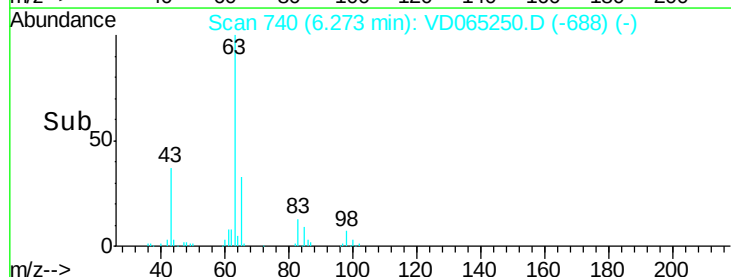
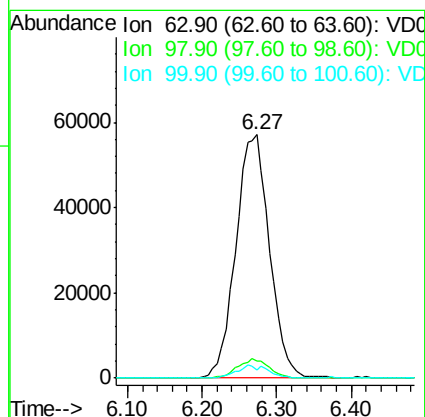
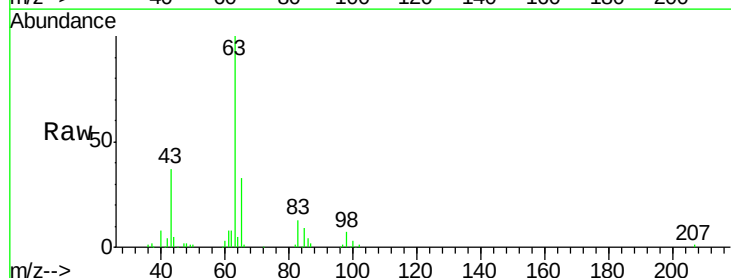
Tgt Ion: 63 Resp: 178710

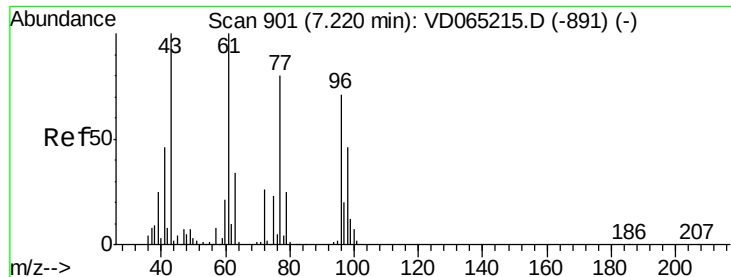
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 3.3 2.3 6.8





#25

2-Butanone

Concen: 89.633 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 43 Resp: 123932

Ion Ratio Lower Upper

43 100

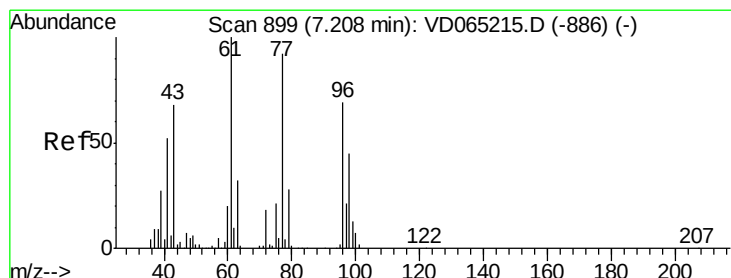
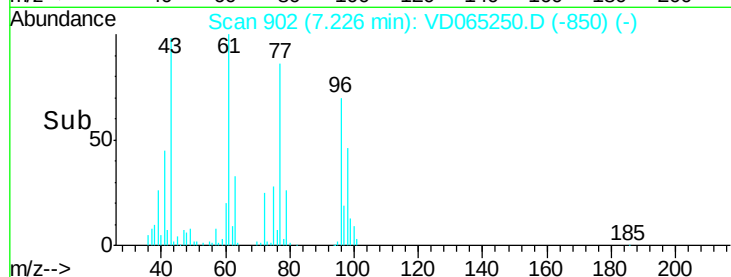
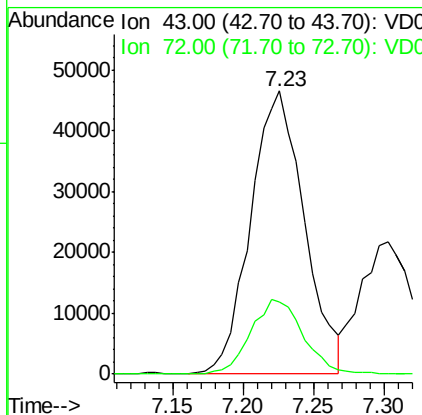
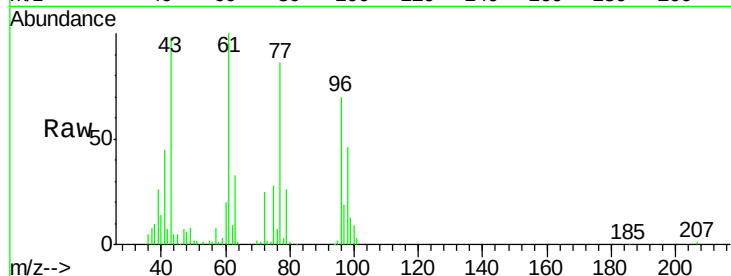
72 25.5 20.9 31.3

Manual Integrations

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2/21/2020 3:22:55 PM



#26

2,2-Dichloropropane

Concen: 19.755 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065250.D

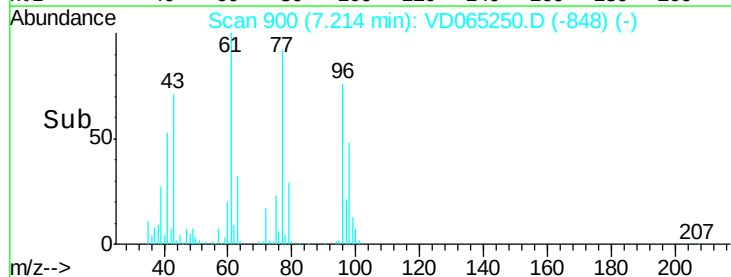
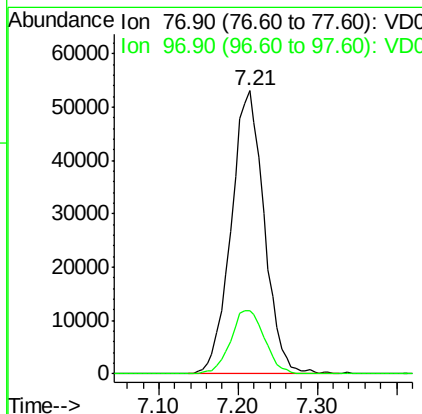
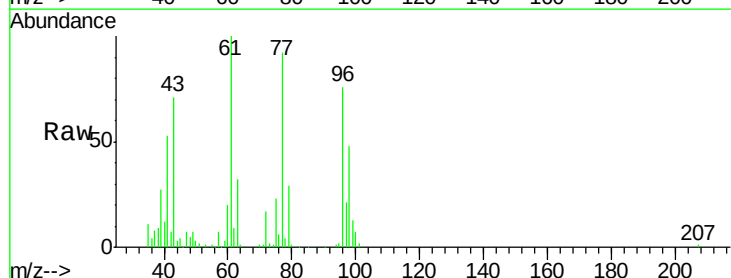
Acq: 20 Feb 2020 12:09

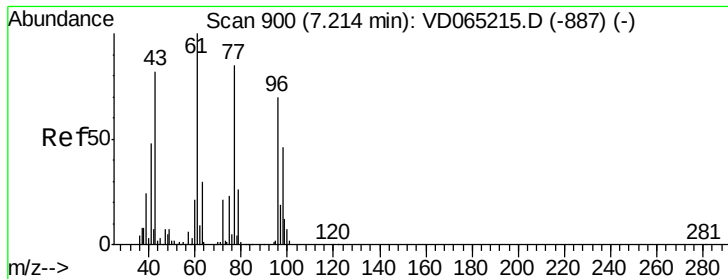
Tgt Ion: 77 Resp: 153345

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

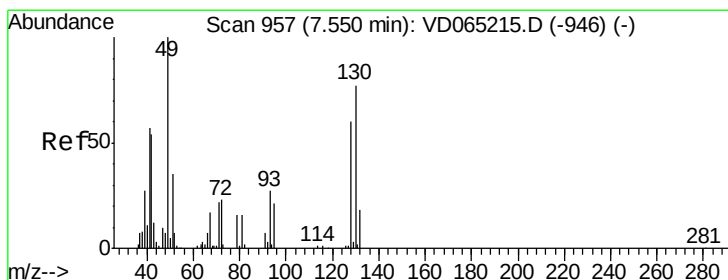
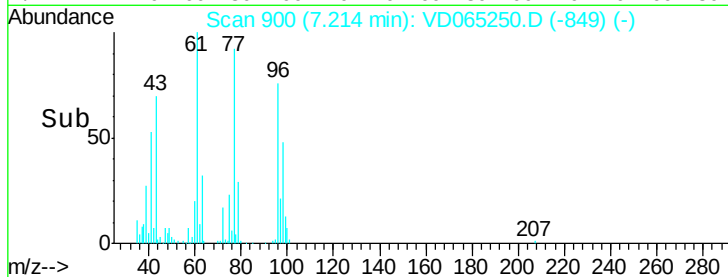
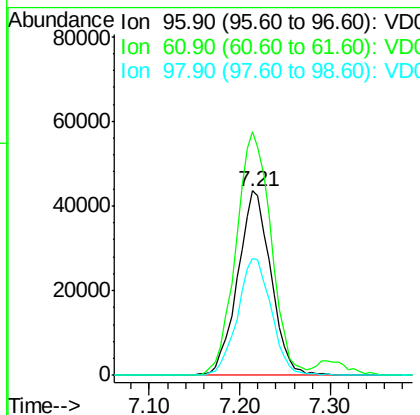
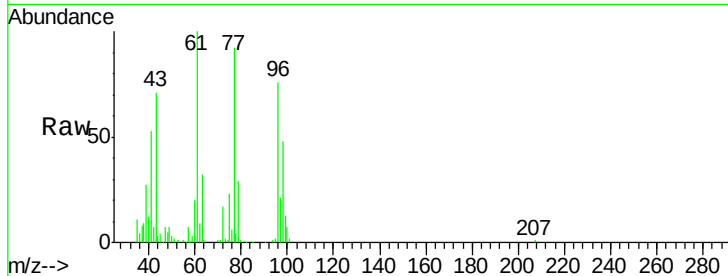
cis-1,2-Dichloroethene
Concen: 19.972 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.1	0.0	286.0	
98	64.3	0.0	127.8	

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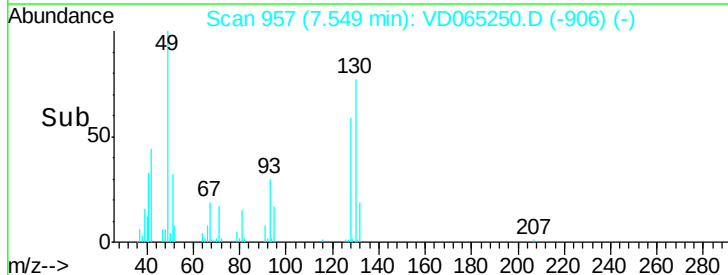
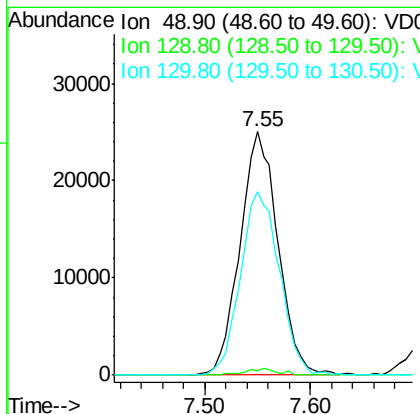
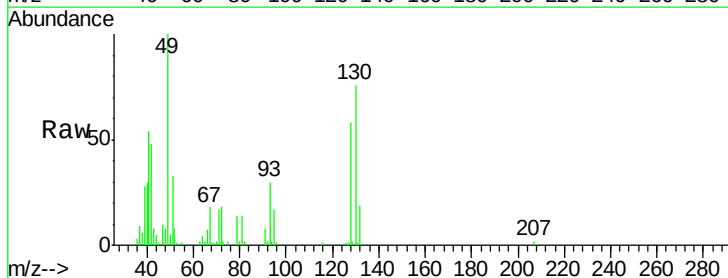
MMDadoda
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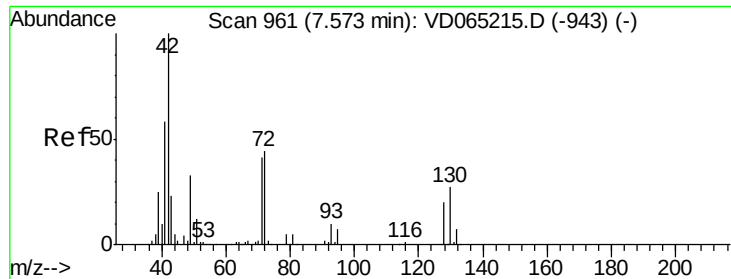


#28

Bromochloromethane
Concen: 18.807 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	77.6	64.7	97.1	





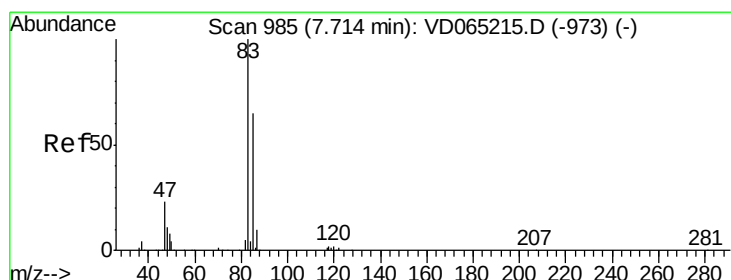
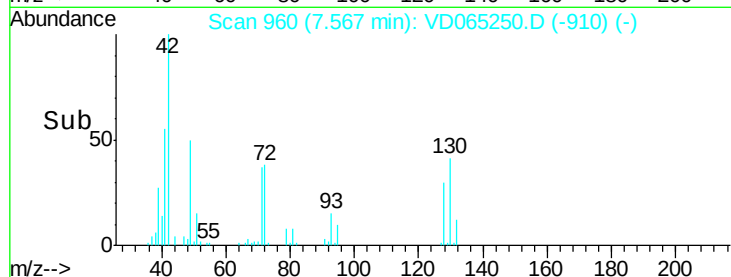
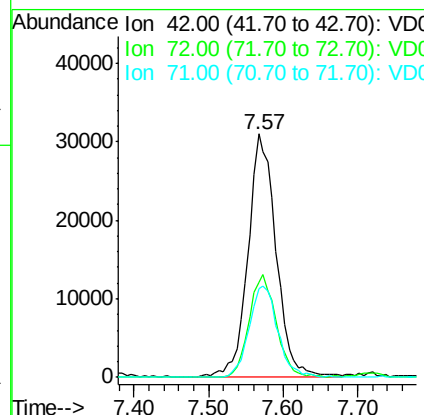
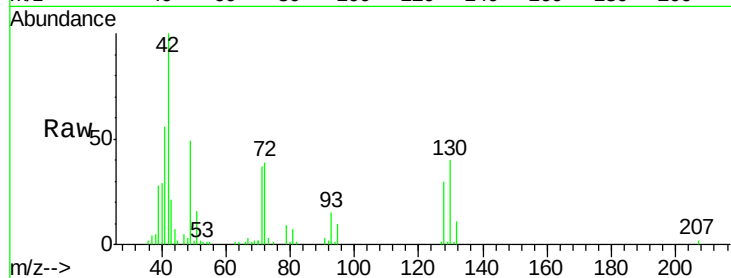
#29
Tetrahydrofuran
Concen: 100.320 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.7	50.5
71	37.9	31.4	47.2

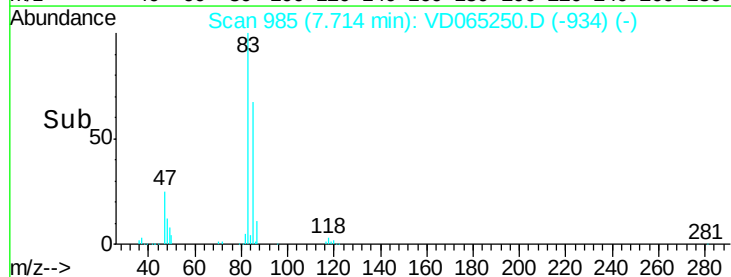
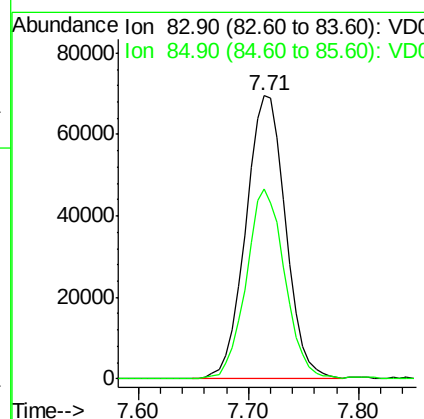
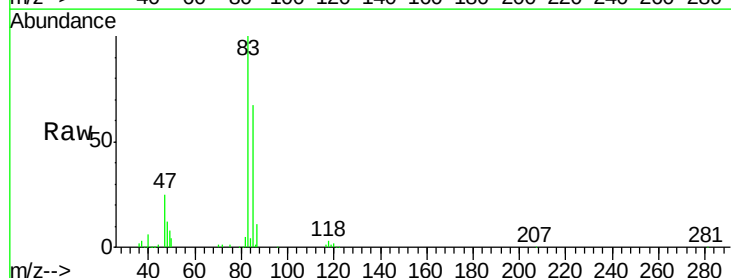
Manual Integrations
APPROVED

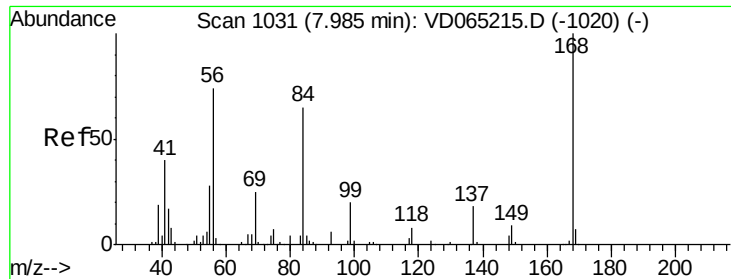
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#30
Chloroform
Concen: 19.556 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.3	78.5





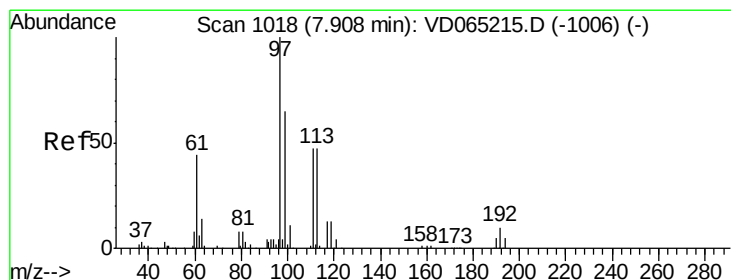
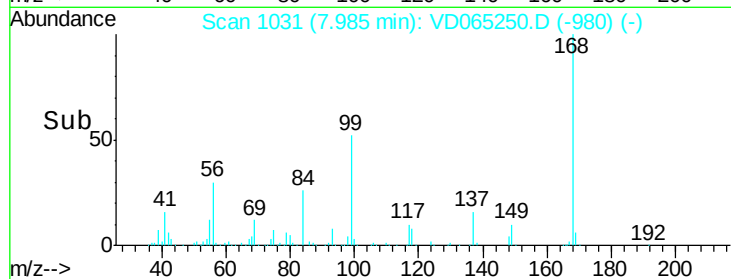
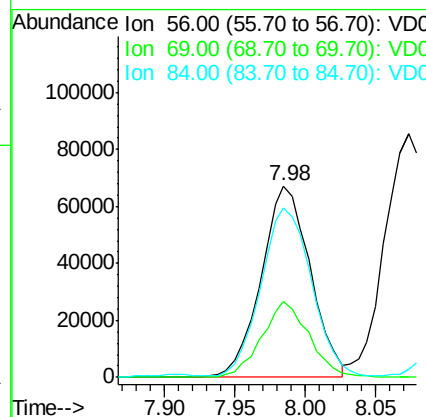
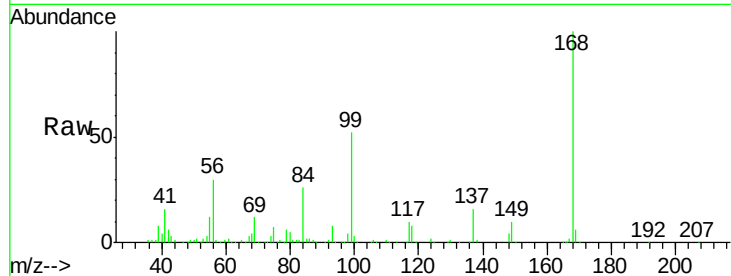
#31
Cyclohexane
Concen: 18.571 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		163245		
69	39.6	27.4	41.0		
84	87.4	71.1	106.7		

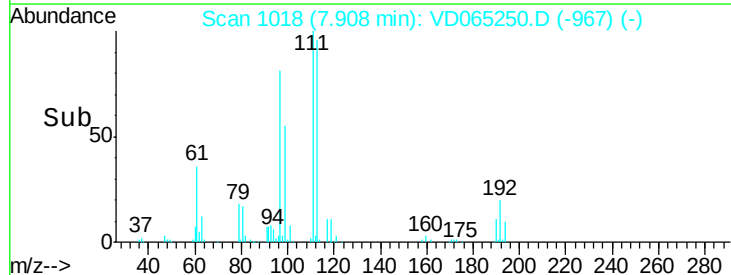
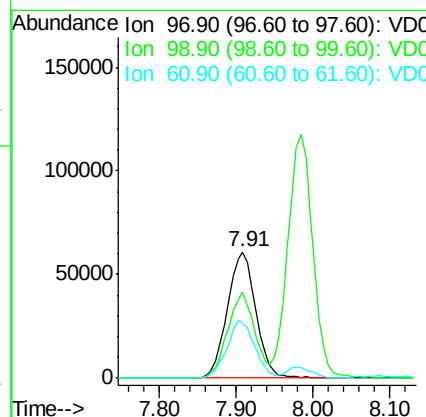
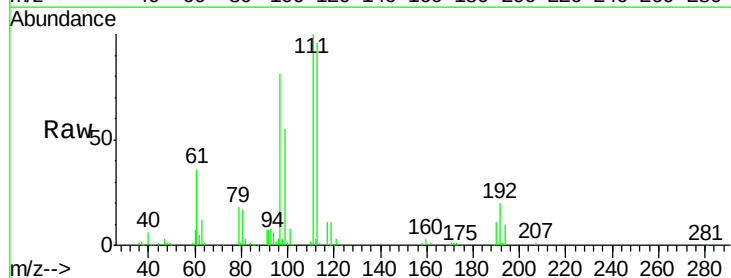
Manual Integrations
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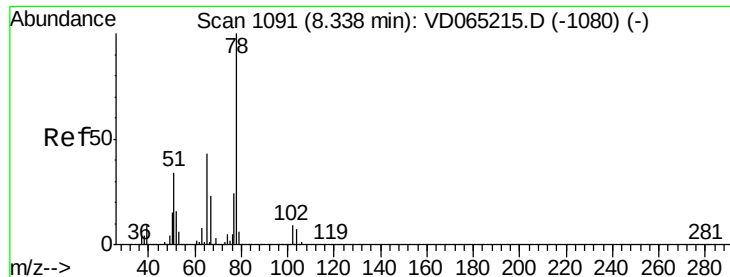
MMDadoda
2/21/2020 3:22:55 PM



#32
1,1,1-Trichloroethane
Concen: 19.445 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		156814		
99	65.0	51.4	77.2		
61	44.6	34.8	52.2		





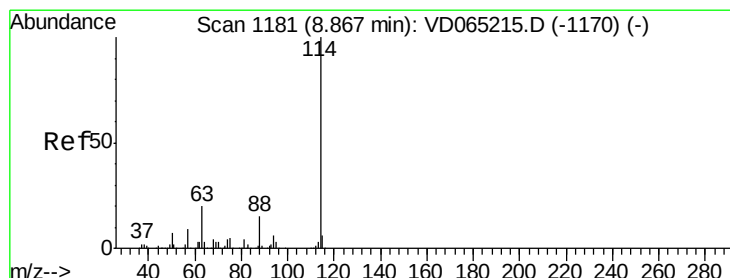
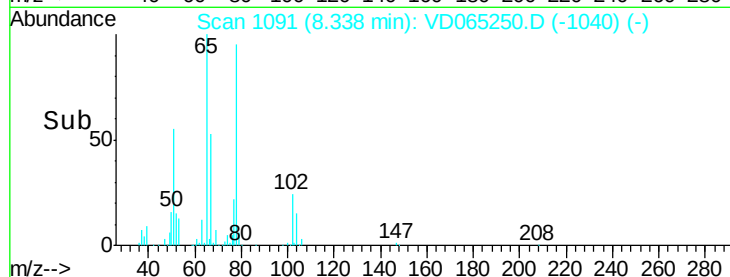
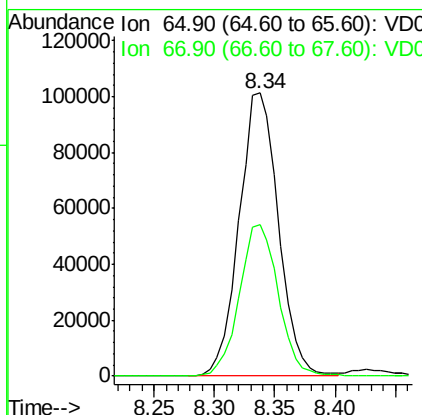
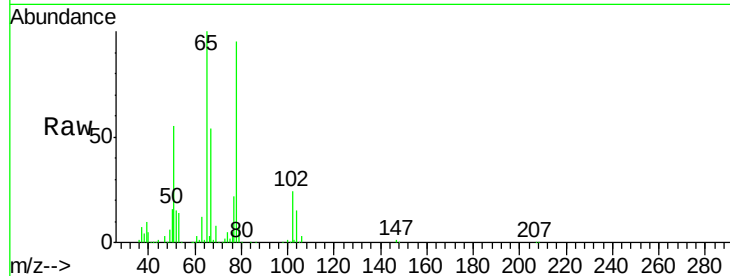
#33
 1,2-Dichloroethane-d4
 Concen: 51.479 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	106.8	

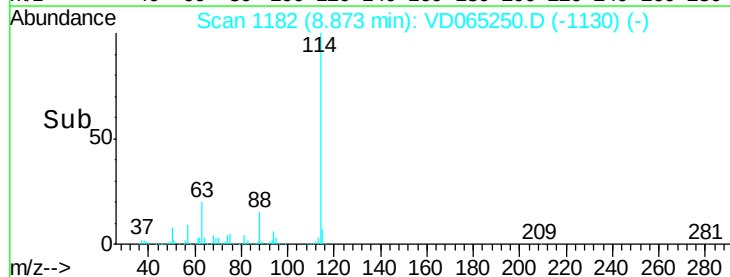
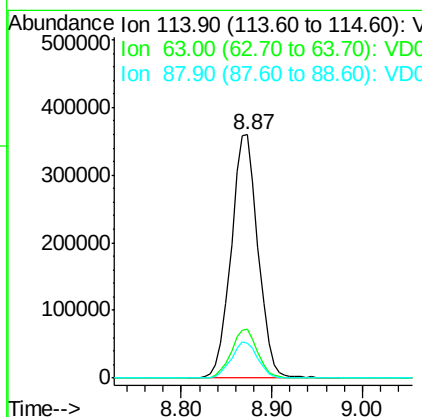
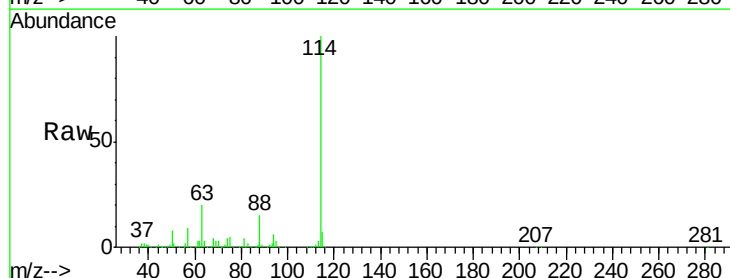
Manual Integrations
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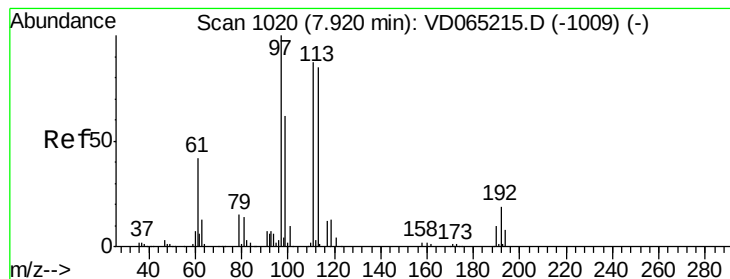
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.4	
88	14.5	0.0	30.4	





#35

Dibromofluoromethane

Concen: 52.148 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

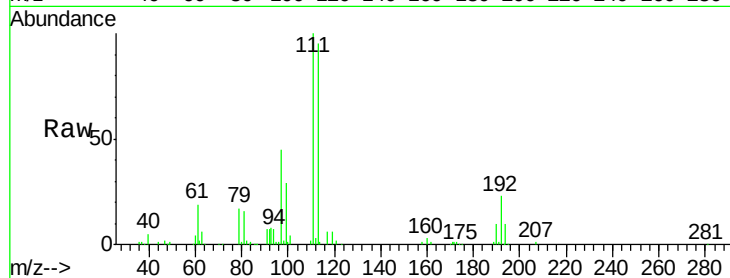
ClientSampleId :

VD0220SBS01

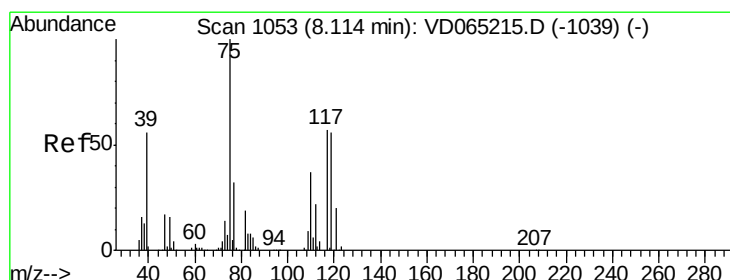
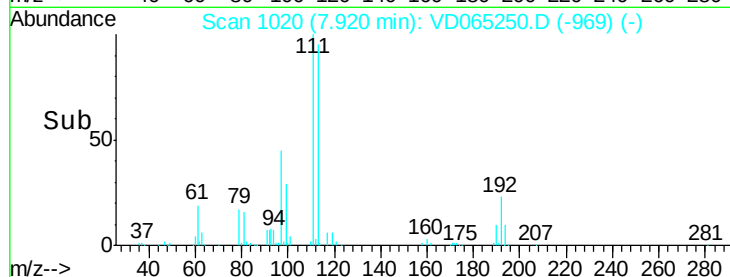
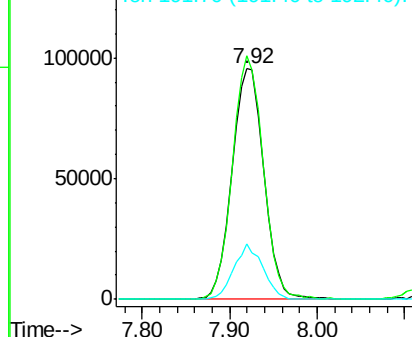
Tot Ion:	113	Resp:	235983
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.9	124.3
192	21.7	17.3	25.9

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.660 ug/l

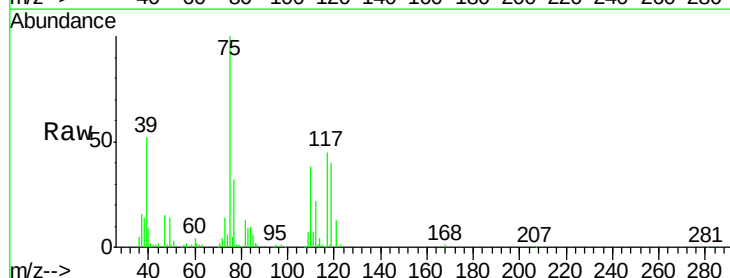
RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

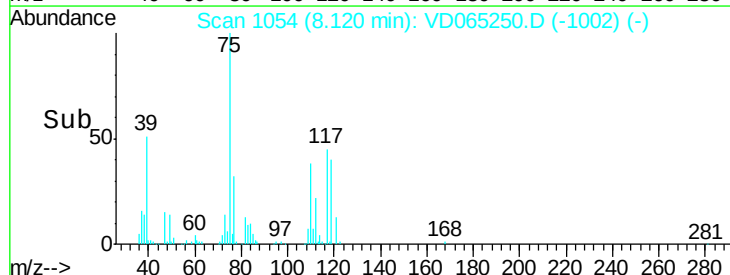
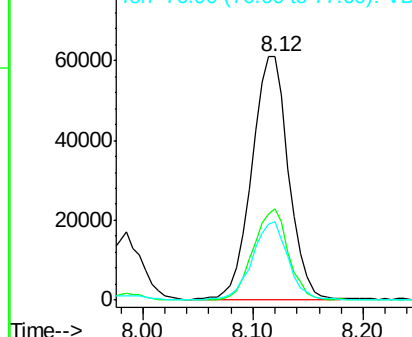
Lab File: VD065250.D

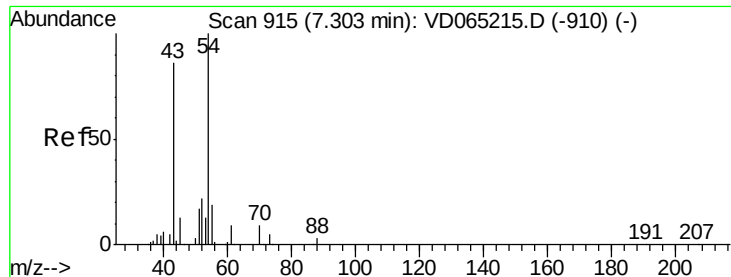
Acq: 20 Feb 2020 12:09

Tgt Ion:	75	Resp:	141972
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.9	53.7
77	31.5	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





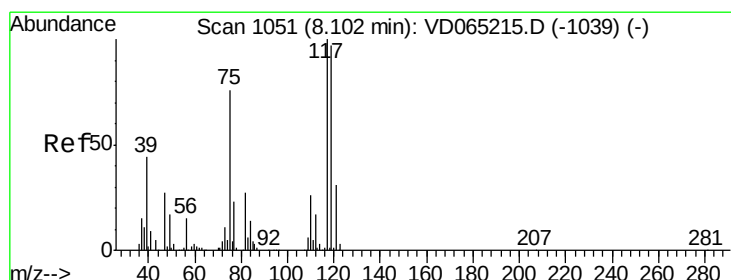
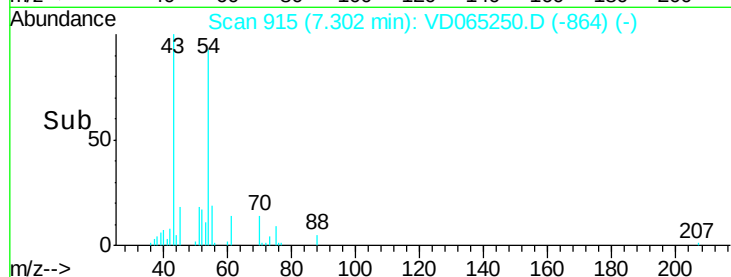
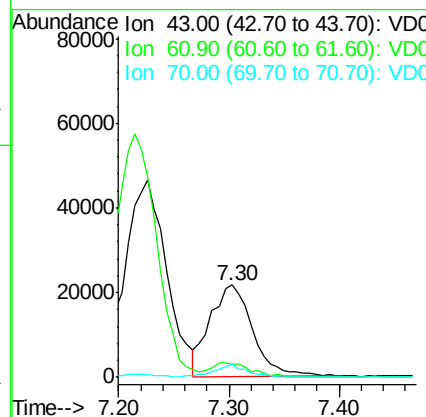
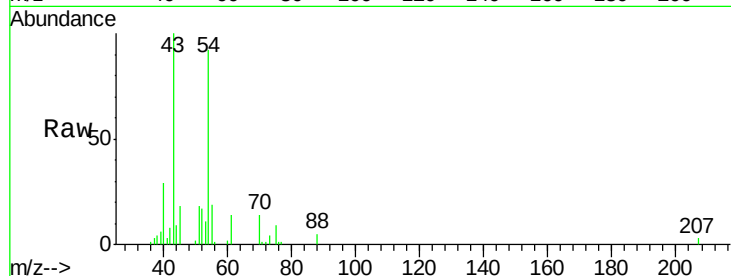
#37
Ethyl Acetate
Concen: 19.019 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.2	16.8
70	11.1	8.2	12.2

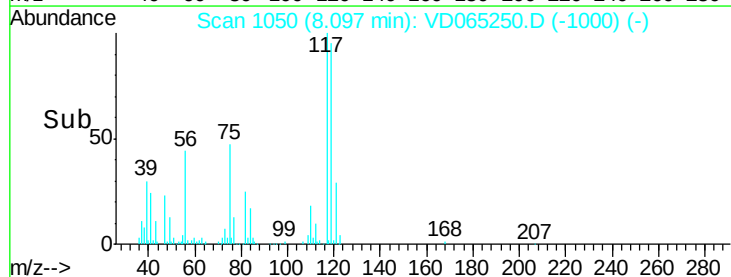
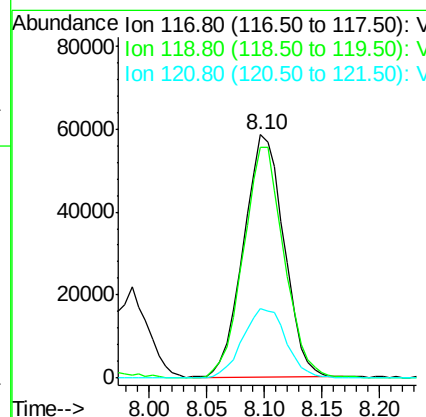
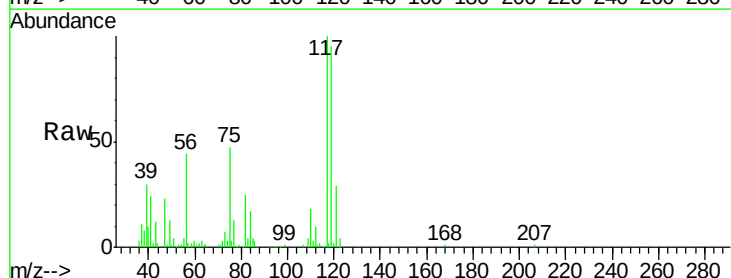
Manual Integrations
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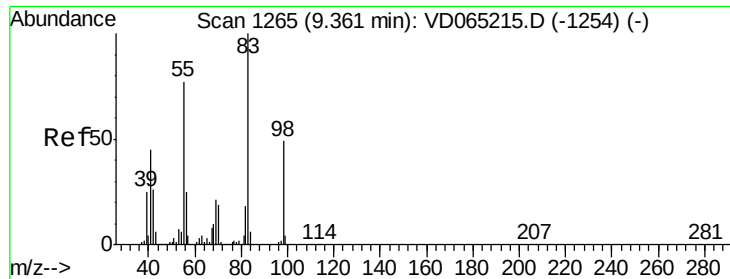
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#38
Carbon Tetrachloride
Concen: 19.314 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
121	28.9	24.8	37.2





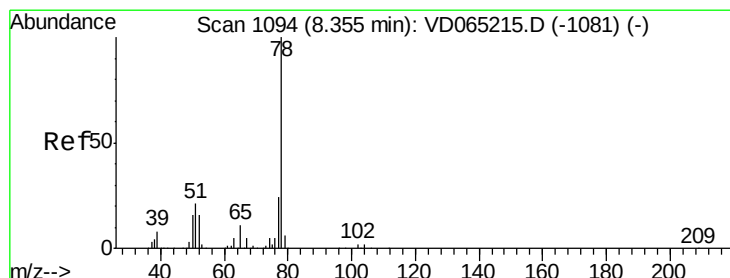
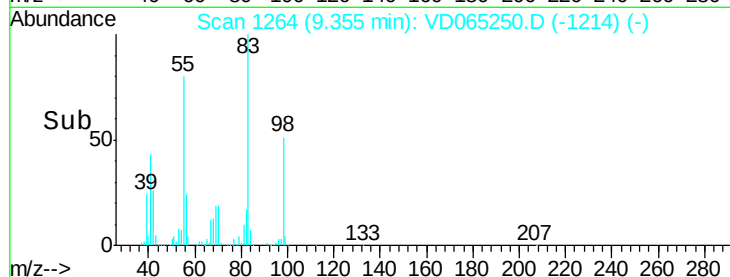
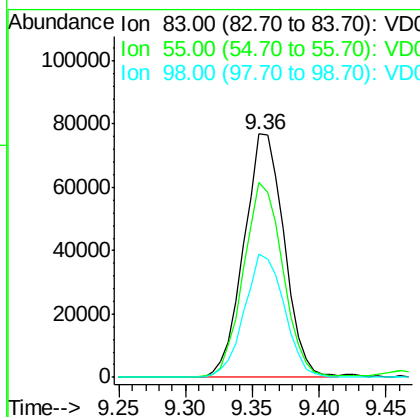
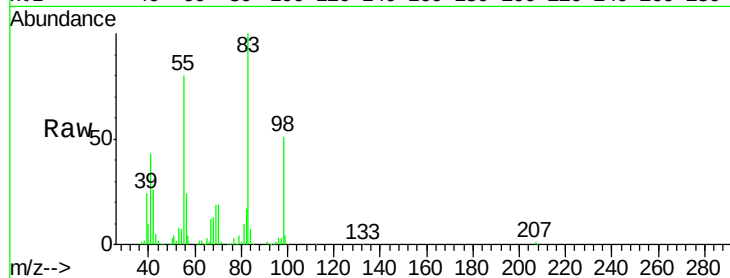
#39
Methylvlcyclohexane
Concen: 18.912 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.8	92.6
98	50.6	39.4	59.0

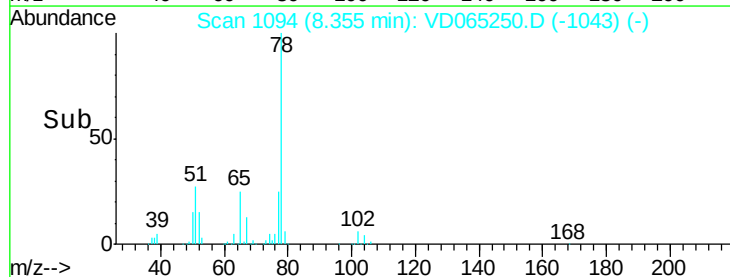
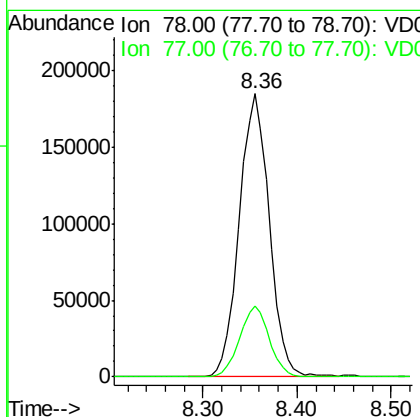
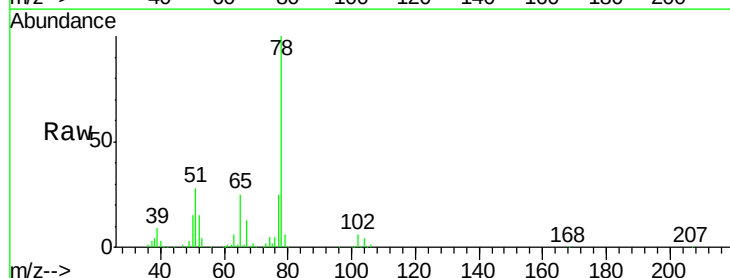
Manual Integrations
APPROVED

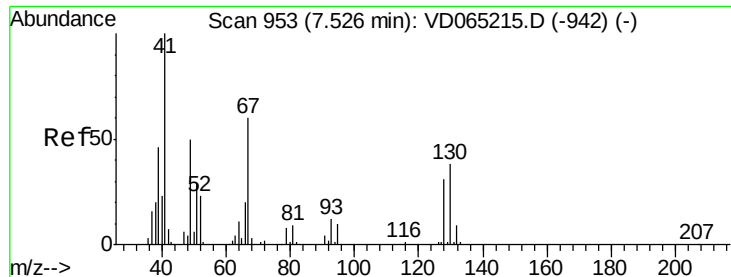
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#40
Benzene
Concen: 20.113 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





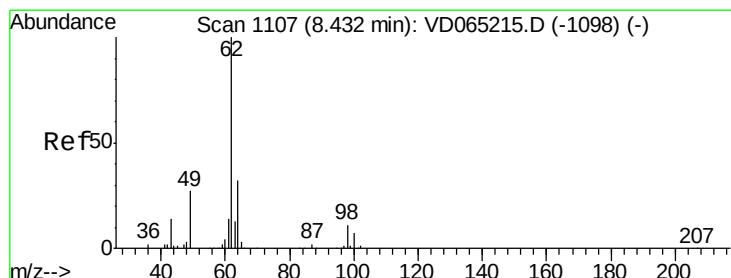
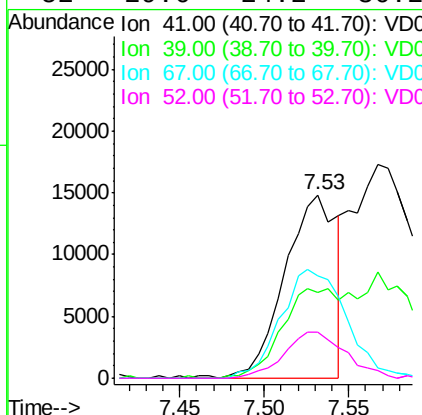
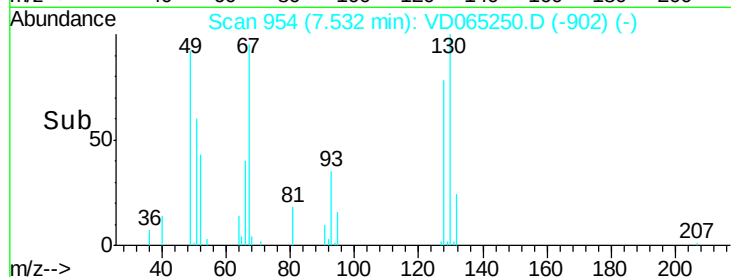
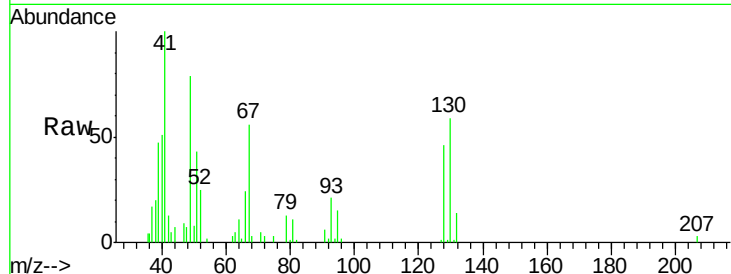
#41
Methacrylonitrile
Concen: 18.249 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	41	Resp:	31809
Ion	Ratio	Lower	Upper
41	100		
39	52.3	48.1	72.1
67	74.6	58.9	88.3
52	29.6	24.2	36.2

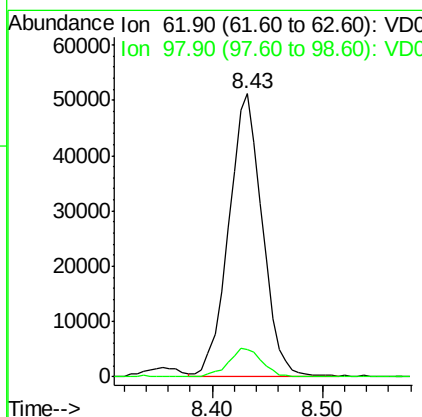
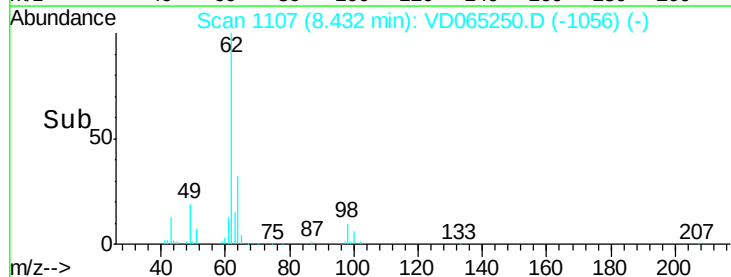
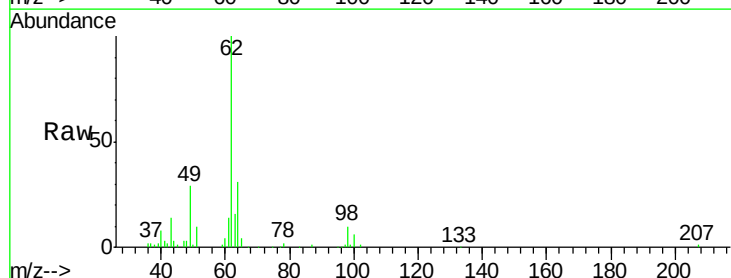
Manual Integrations
APPROVED

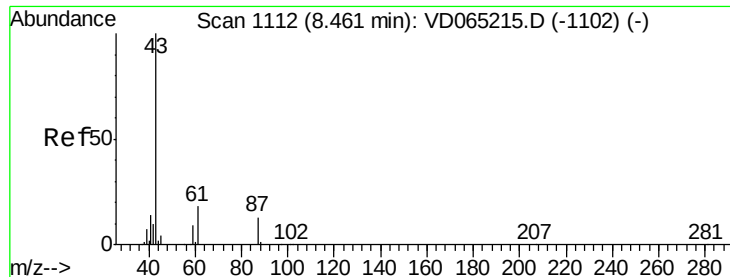
MMDadoda
2/21/2020 3:22:55 PM



#42
1,2-Dichloroethane
Concen: 19.542 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	62	Resp:	109502
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.097 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

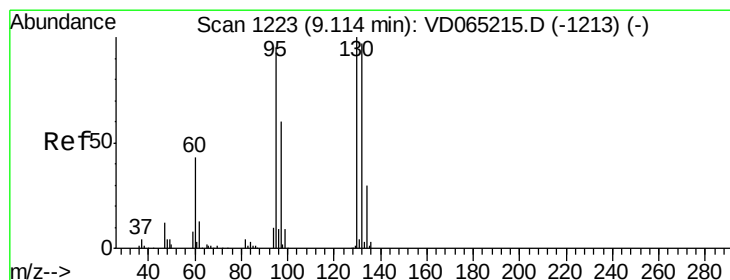
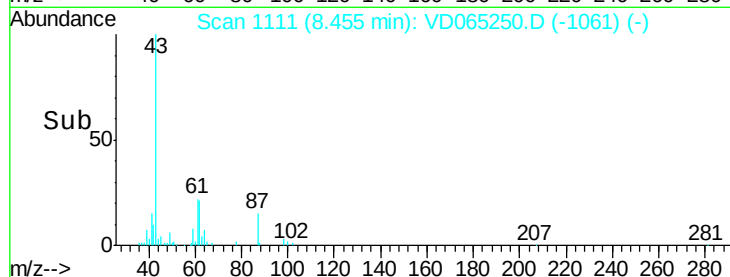
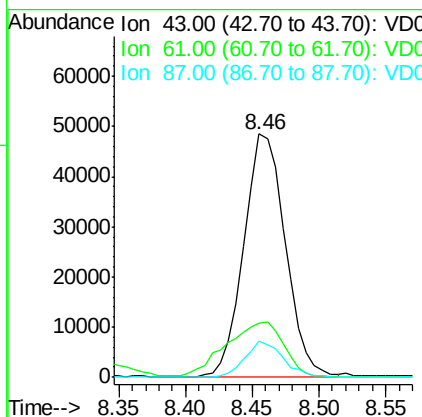
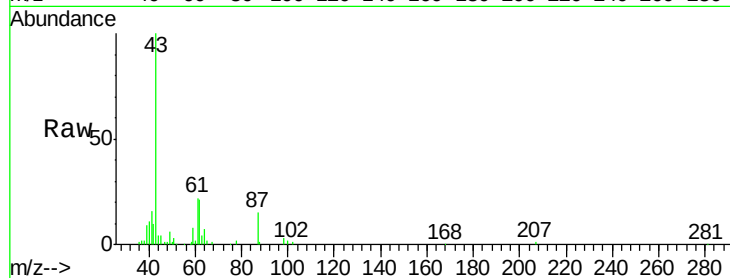
ClientSampleId :

VD0220SBS01

Tot Ion:	43	Resp:	104838
Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.6	36.8
87	13.2	10.6	16.0

Manual Integrations
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MMDadoda
2/21/2020 3:22:55 PM



#44

Trichloroethene

Concen: 20.053 ug/l

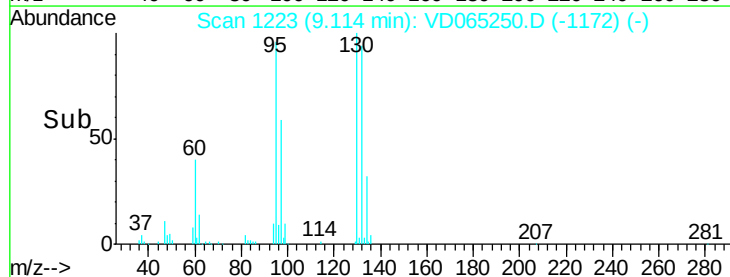
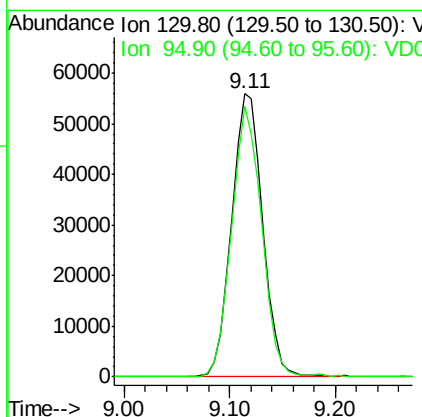
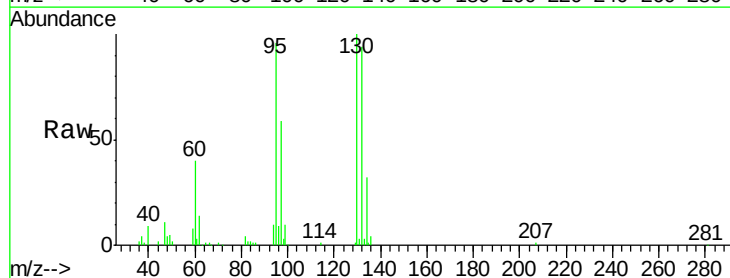
RT: 9.11 min Scan# 1223

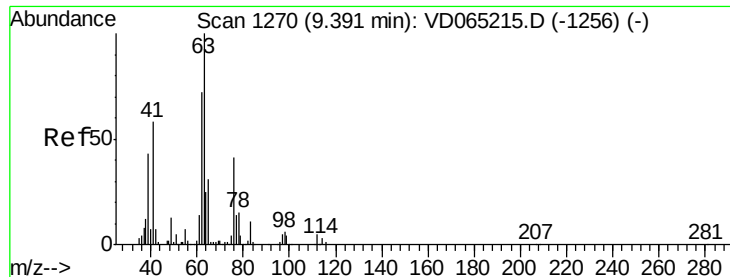
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion:	130	Resp:	113298
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	190.6





#45

1,2-Dichloropropane

Concen: 19.543 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 63 Resp: 99053

Ion Ratio Lower Upper

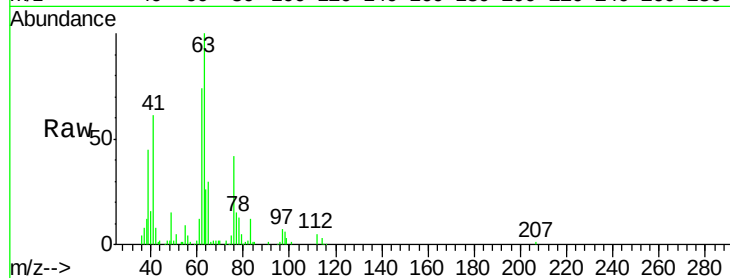
63 100

65 29.7 24.9 37.3

Manual Integrations
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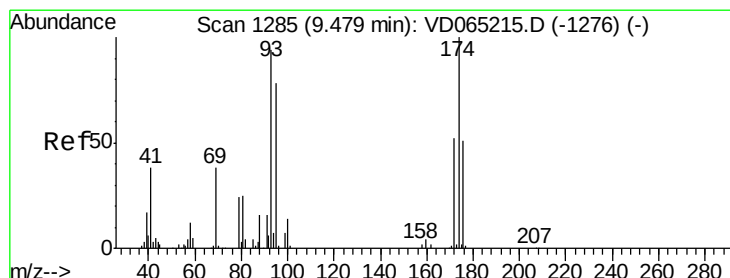
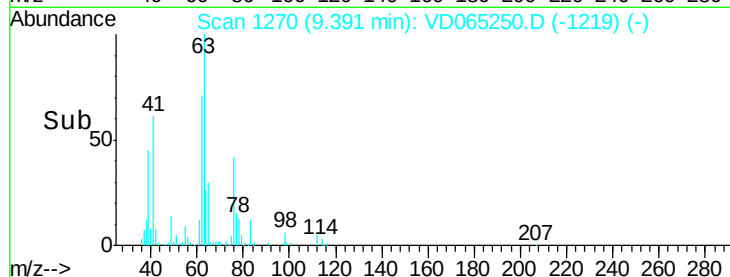
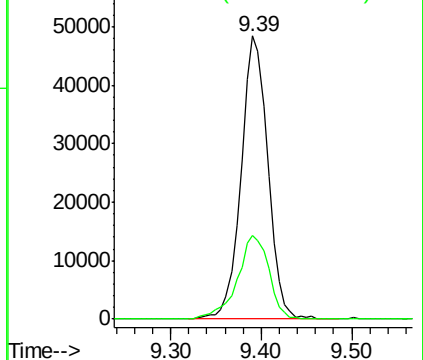
MMDadoda

2/21/2020 3:22:55 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.092 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

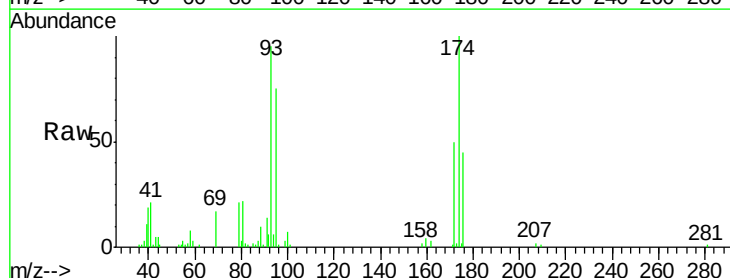
Tgt Ion: 93 Resp: 52395

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

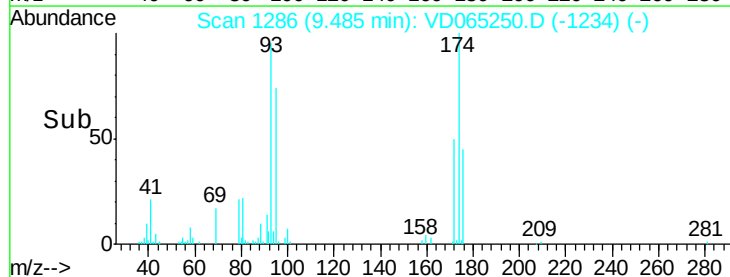
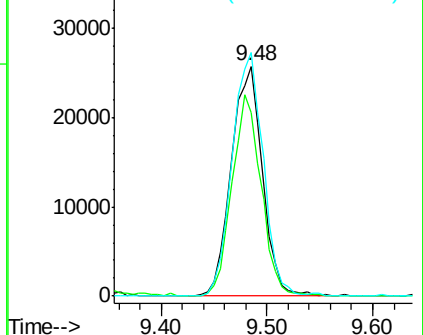
174 105.2 86.8 130.2

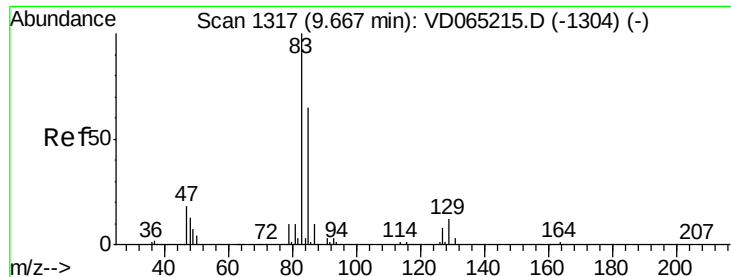


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





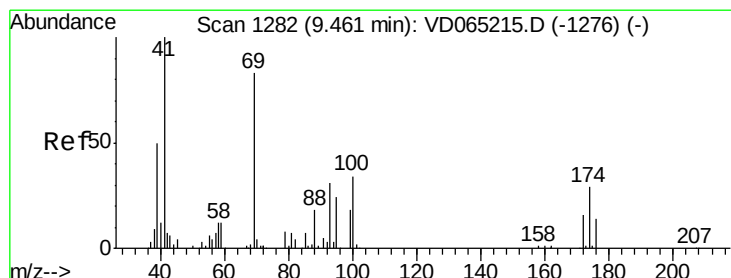
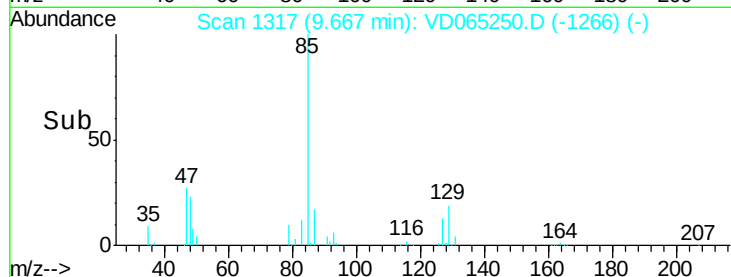
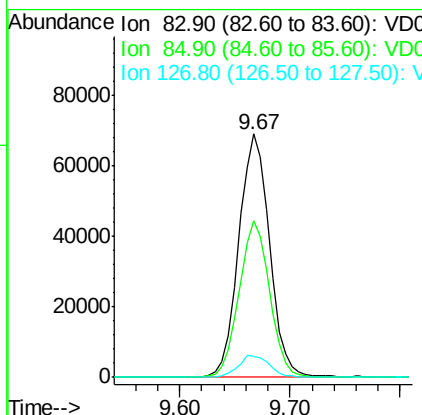
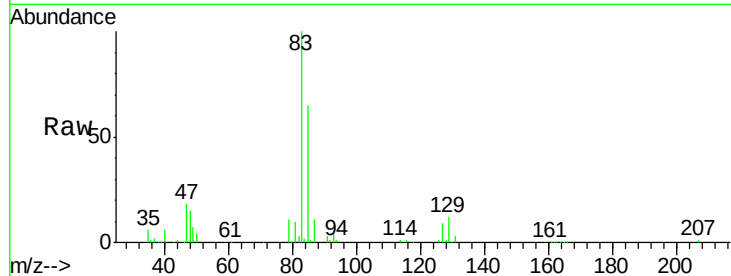
#47
Bromodichloromethane
Concen: 19.727 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135570		
85	64.5	52.0	78.0	
127	8.6	6.7	10.1	

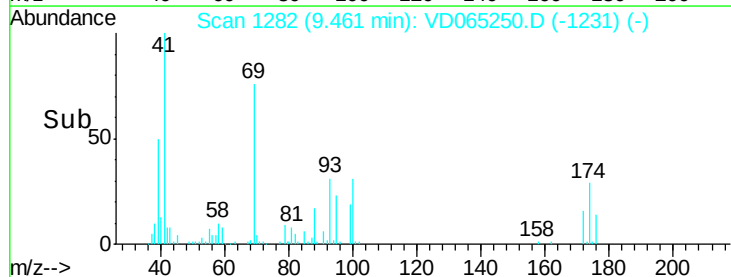
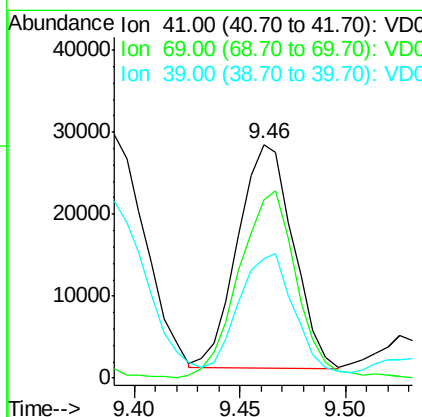
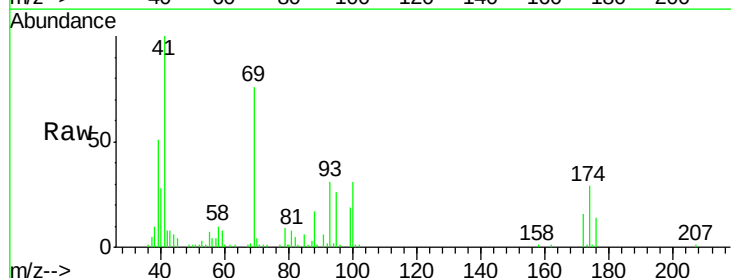
Manual Integrations
APPROVED

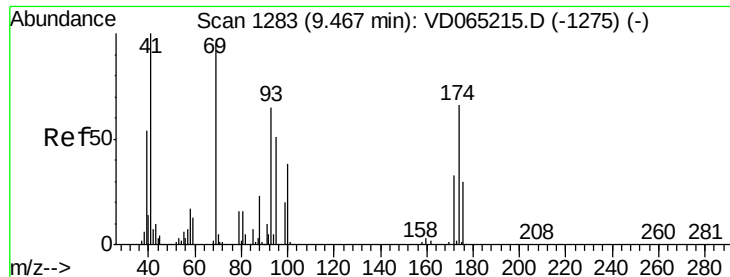
MMDadoda
2/21/2020 3:22:55 PM



#48
Methyl methacrylate
Concen: 19.532 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49563		
69	87.7	68.2	102.2	
39	52.3	42.0	63.0	





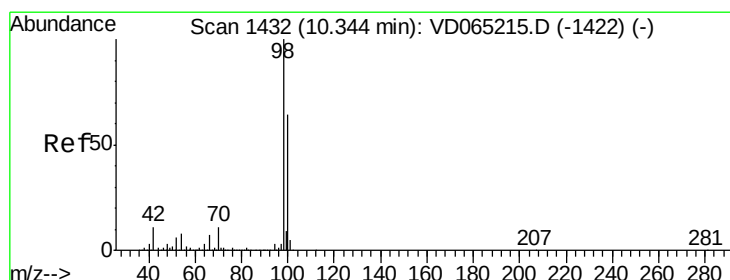
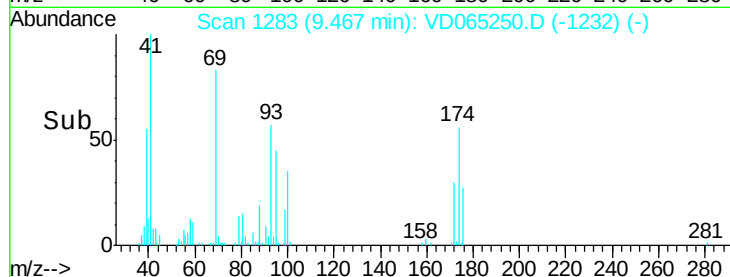
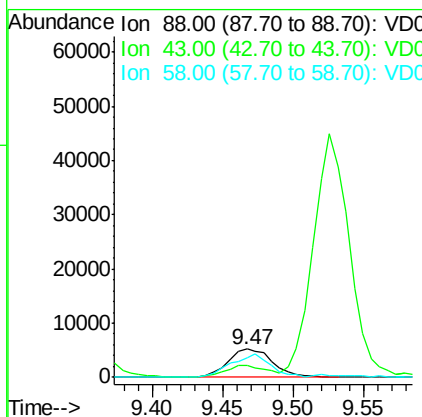
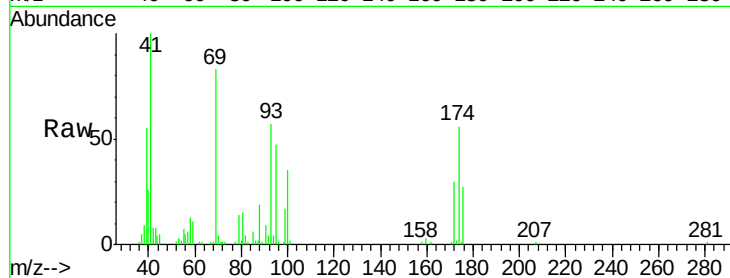
#49
1,4-Dioxane
Concen: 379.071 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	28.5	42.7
58	74.2	58.6	87.8

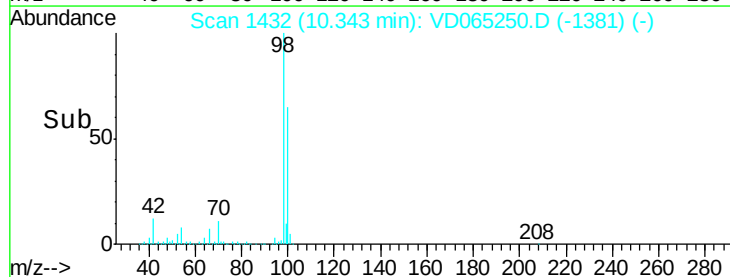
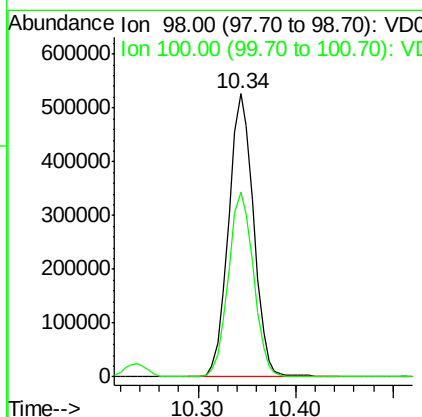
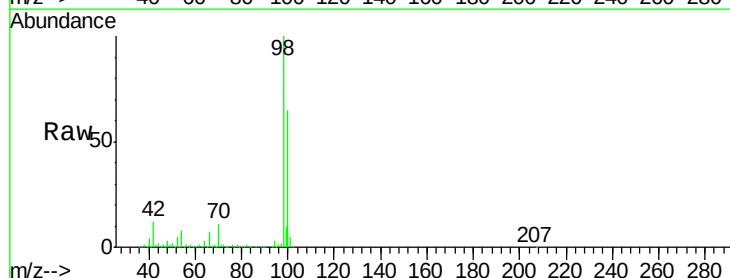
Manual Integrations
APPROVED

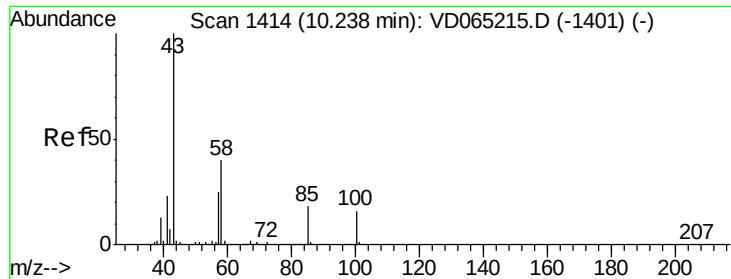
MMDadoda
2/21/2020 3:22:55 PM



#50
Toluene-d8
Concen: 54.222 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





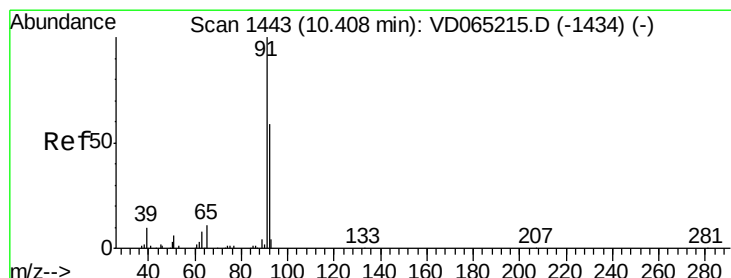
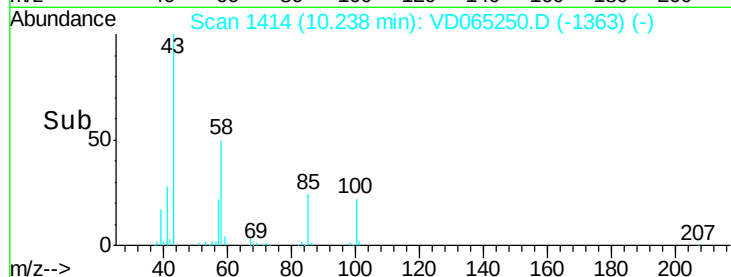
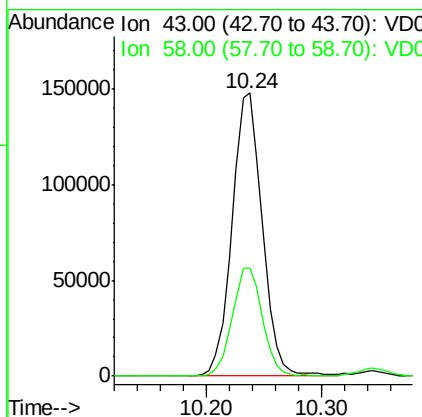
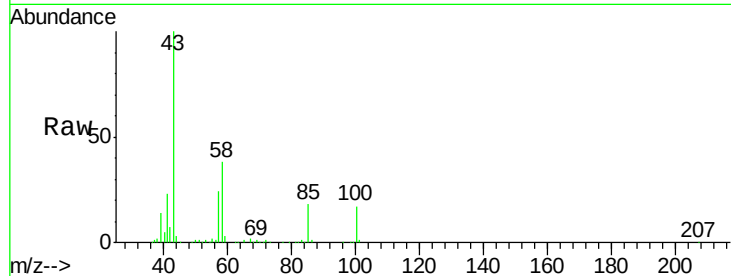
#51
4-Methyl-2-Pentanone
Concen: 96.145 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	43	Resp	268080
Ion Ratio	100	Lower	Upper
43	100		
58	38.2	31.1	46.7

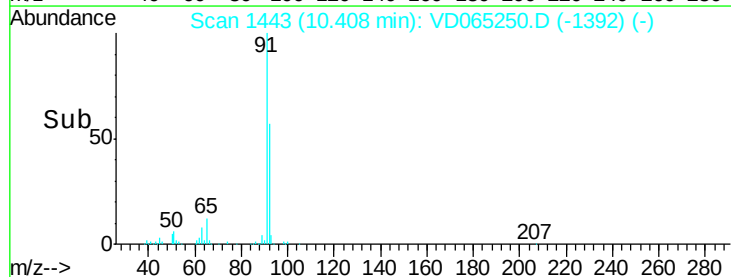
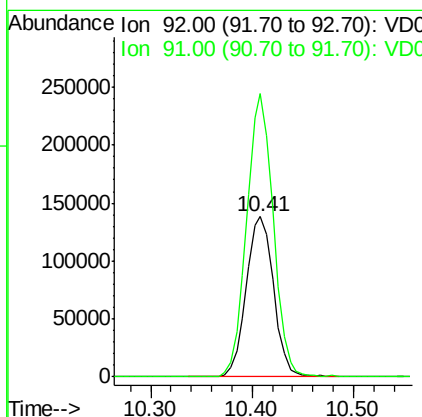
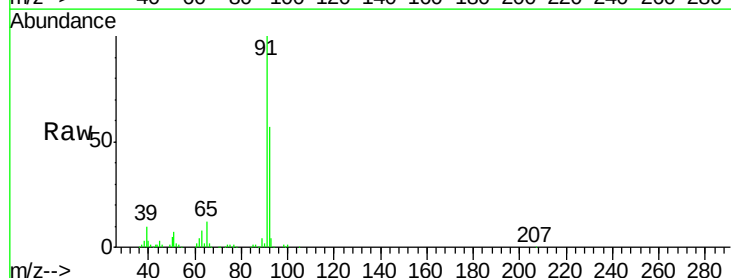
Manual Integrations
APPROVED

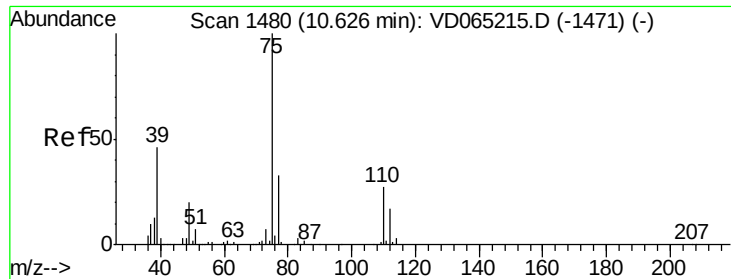
MMDadoda
2/21/2020 3:22:55 PM



#52
Toluene
Concen: 20.523 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	92	Resp	258928
Ion Ratio	100	Lower	Upper
92	100		
91	171.5	136.3	204.5





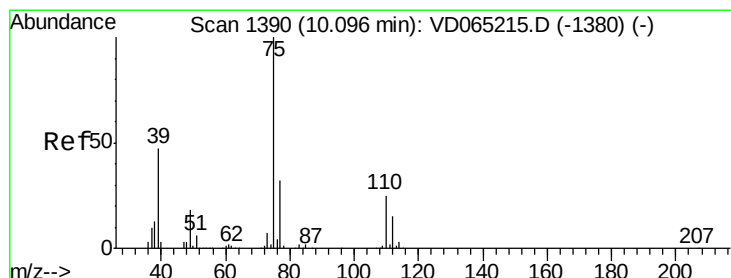
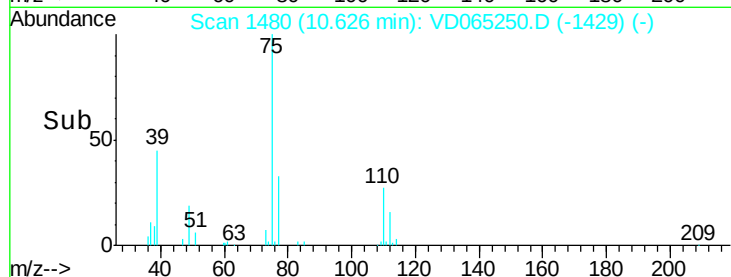
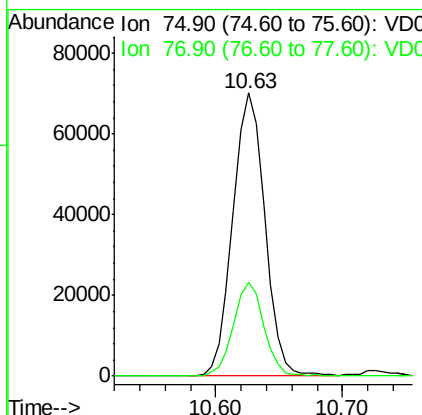
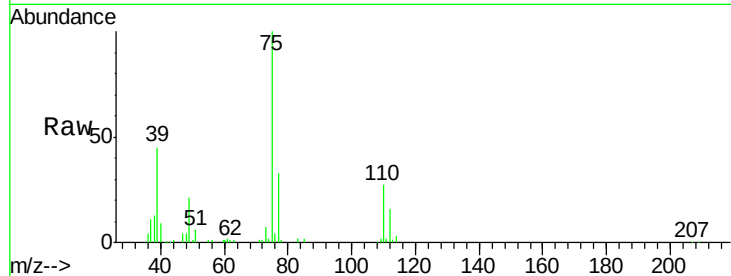
#53
t-1,3-Dichloropropene
Concen: 19.353 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.6	40.0

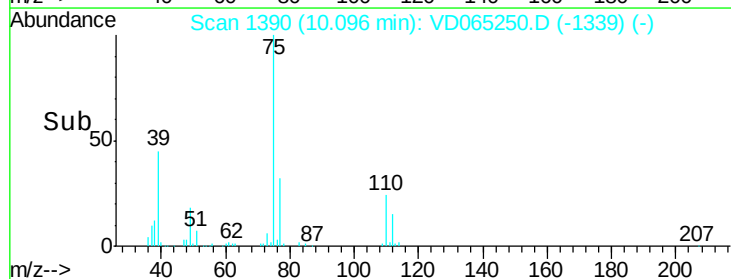
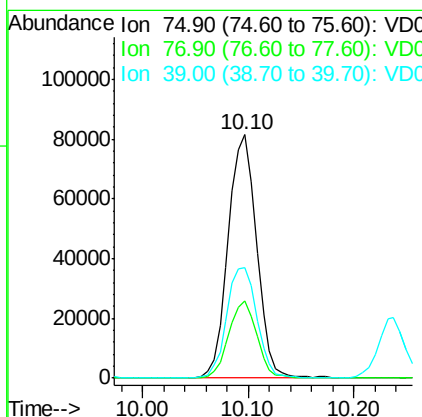
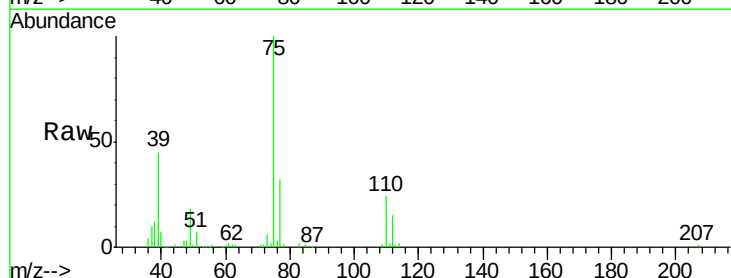
Manual Integrations
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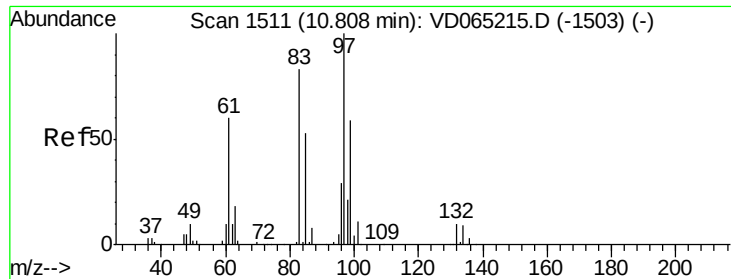
MMDadoda
2/21/2020 3:22:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.778 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8
39	45.2	37.3	55.9





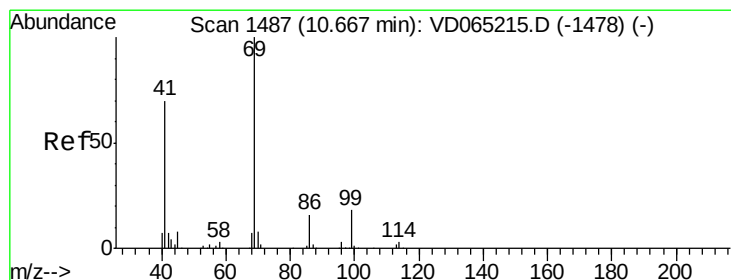
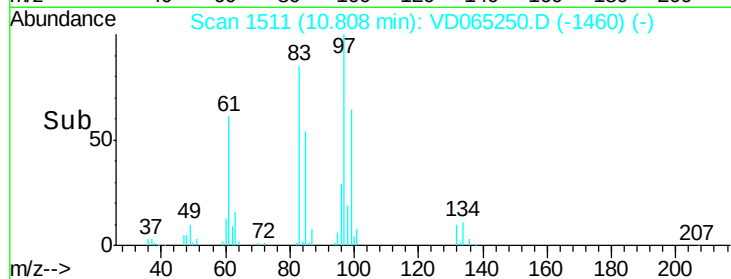
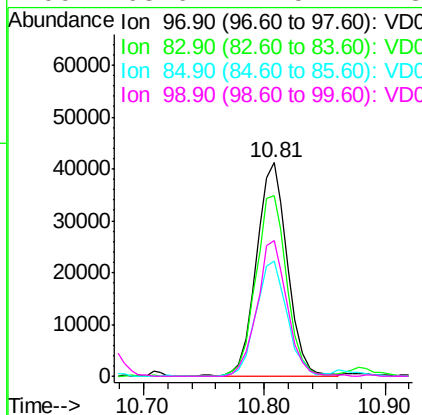
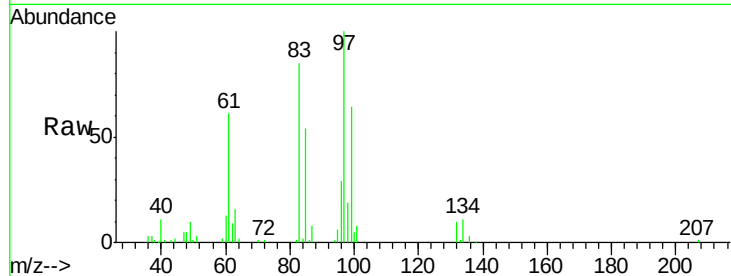
#55
 1,1,2-Trichloroethane
 Concen: 20.063 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion:	97	Resp:	73640
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.7	100.1
85	53.8	42.4	63.6
99	63.6	47.5	71.3

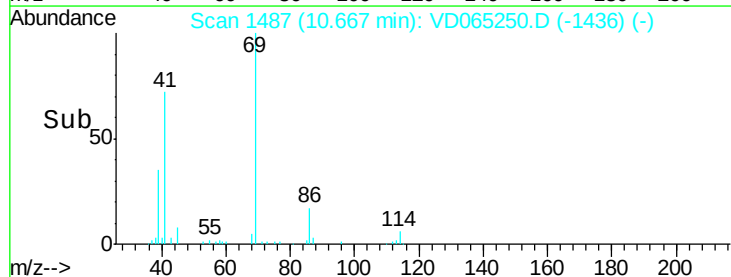
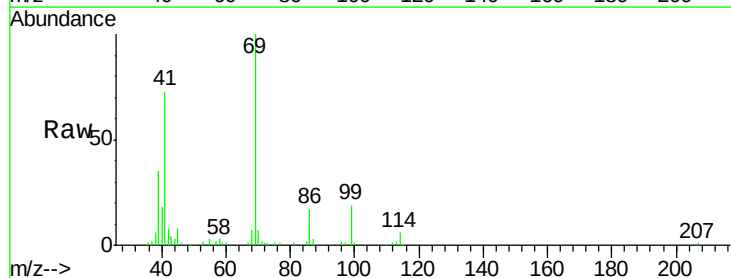
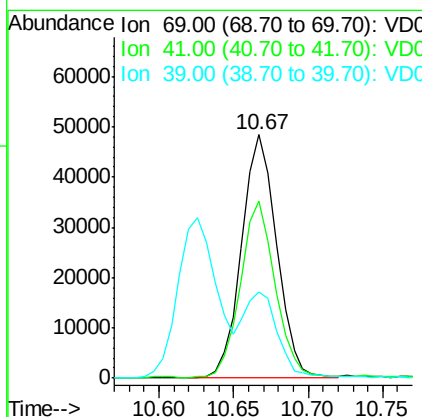
Manual Integrations
 APPROVED

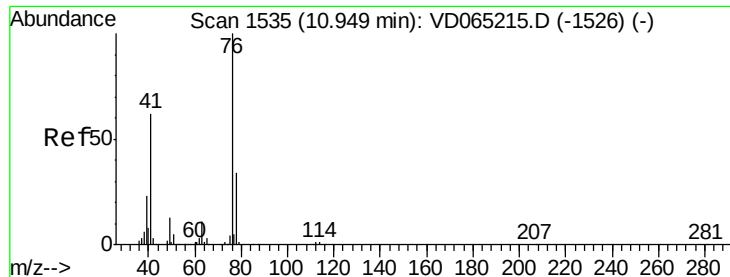
MMDadoda
 2/21/2020 3:22:55 PM



#56
 Ethyl methacrylate
 Concen: 18.697 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion:	69	Resp:	79212
Ion	Ratio	Lower	Upper
69	100		
41	72.5	54.6	81.8
39	35.4	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.020 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 76 Resp: 125063

Ion Ratio Lower Upper

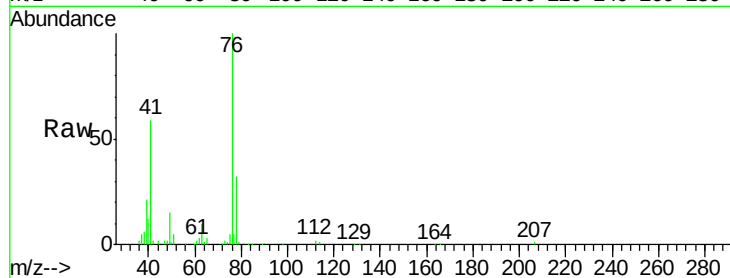
76 100

78 33.0 26.3 39.5

Manual Integrations
APPROVED

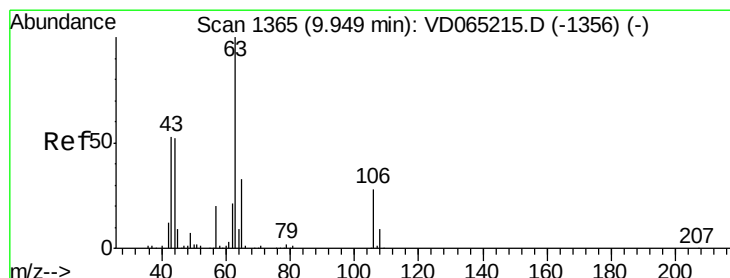
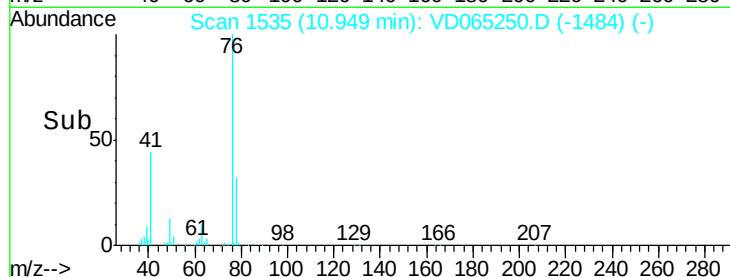
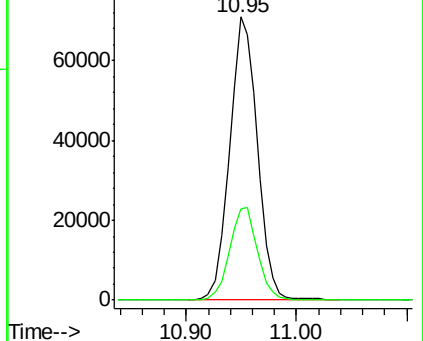
MMDadoda

2/21/2020 3:22:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 98.375 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065250.D

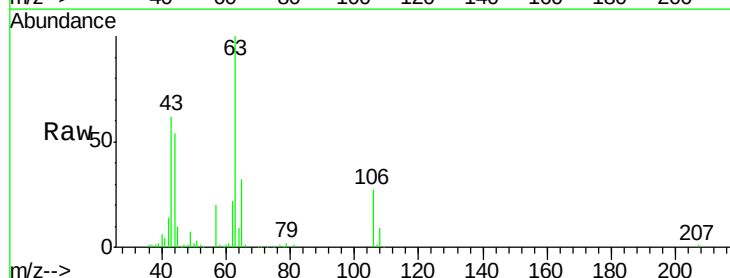
Acq: 20 Feb 2020 12:09

Tgt Ion: 63 Resp: 131395

Ion Ratio Lower Upper

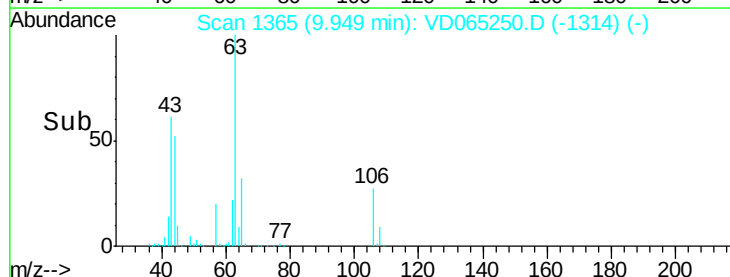
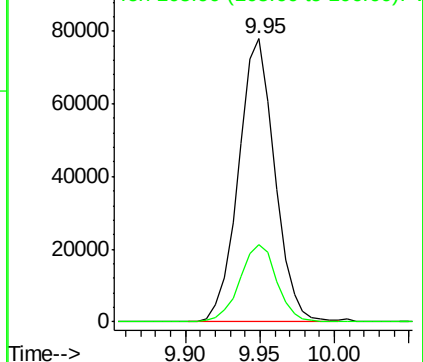
63 100

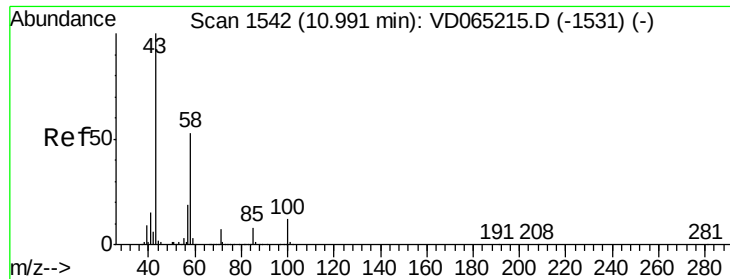
106 27.7 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





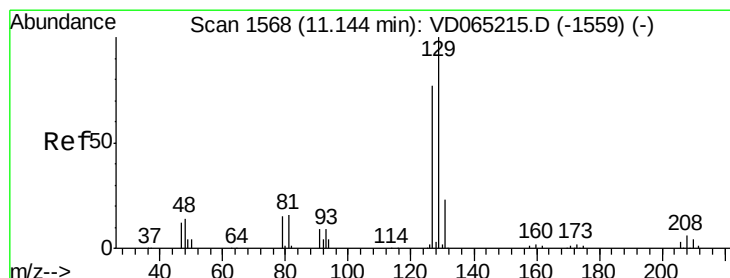
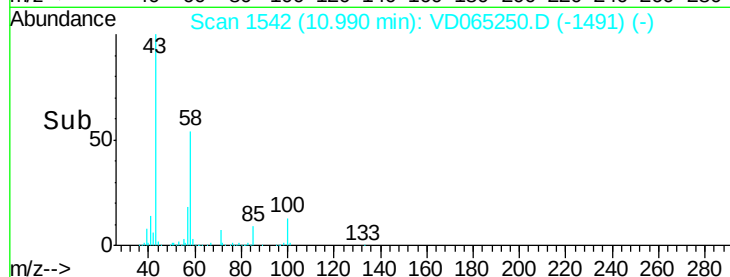
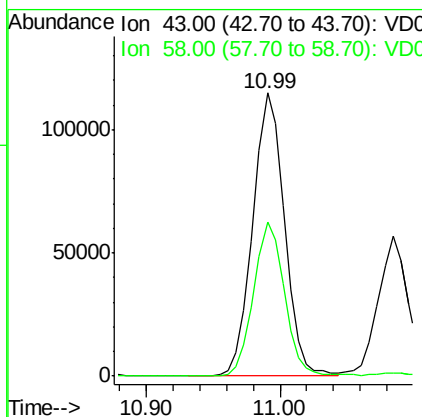
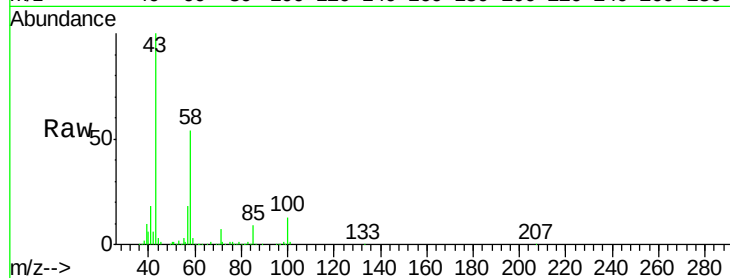
#59
2-Hexanone
Concen: 94.386 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.3	78.8

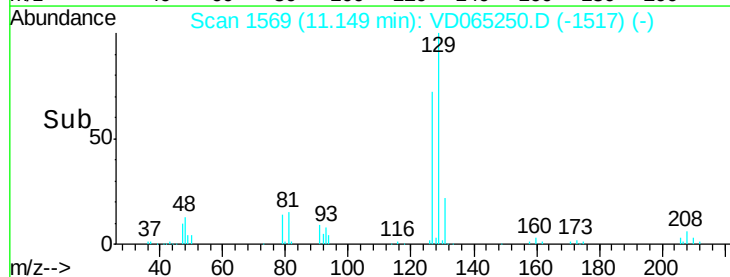
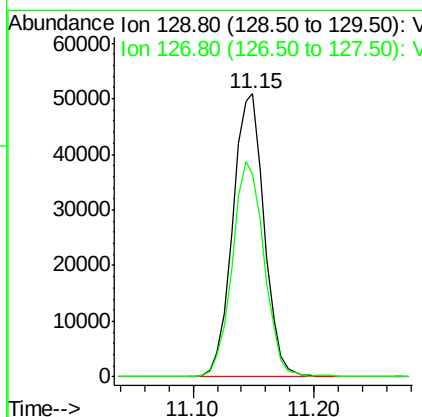
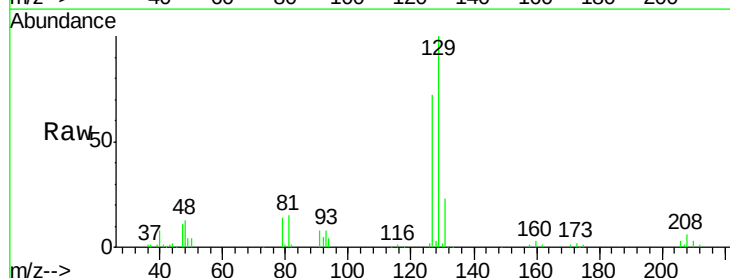
Manual Integrations
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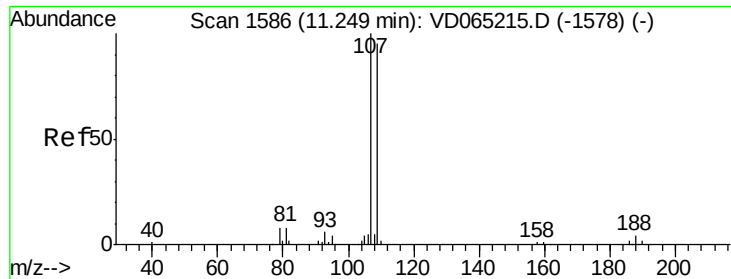
MMDadoda
2/21/2020 3:22:55 PM



#60
Dibromochloromethane
Concen: 19.680 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.7	116.1





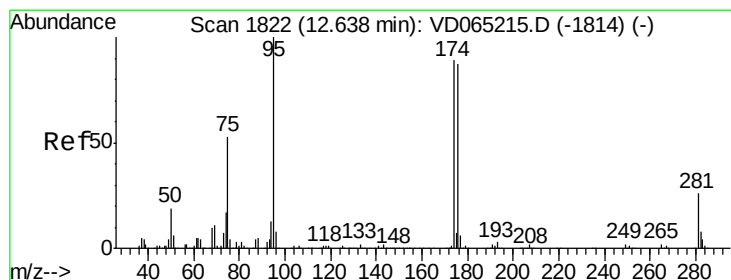
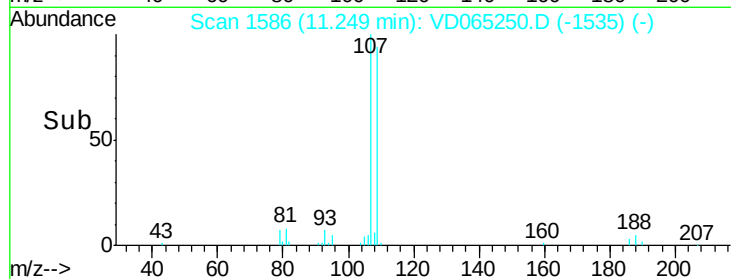
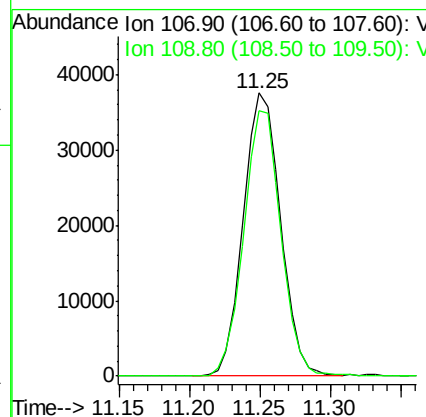
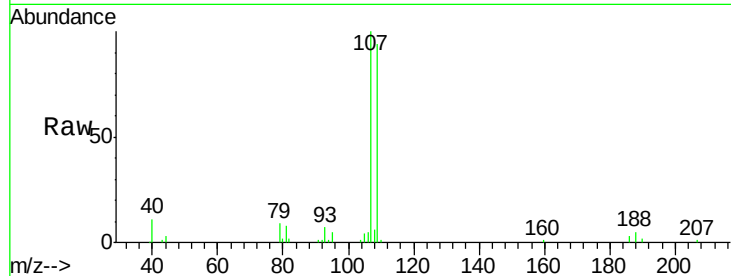
#61
 1,2-Dibromoethane
 Concen: 20.062 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.2	114.4

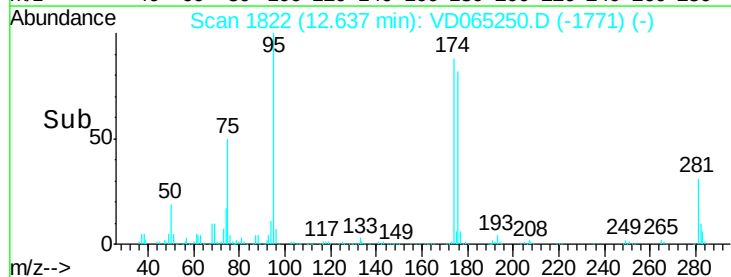
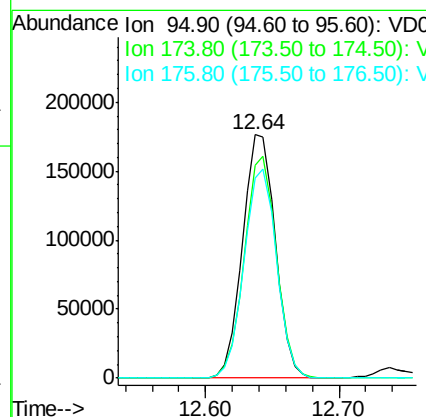
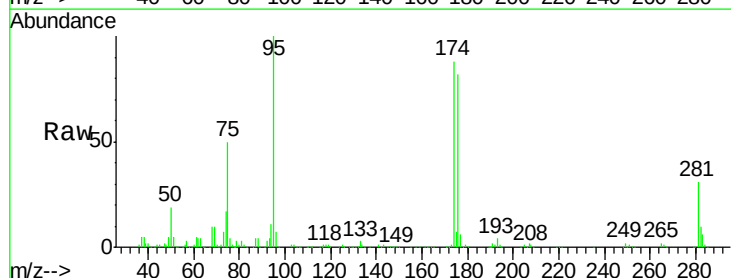
Manual Integrations
 APPROVED

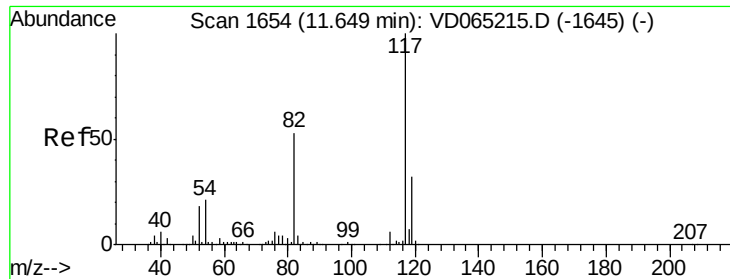
MMDadoda
 2/21/2020 3:22:55 PM



#62
 4-Bromofluorobenzene
 Concen: 54.628 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	178.0
176	85.1	0.0	174.4





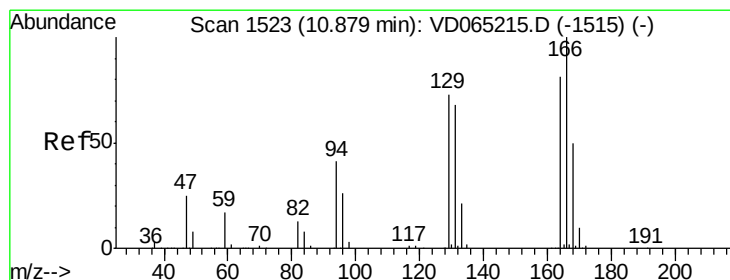
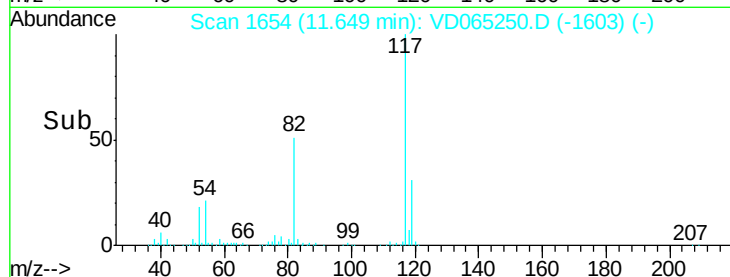
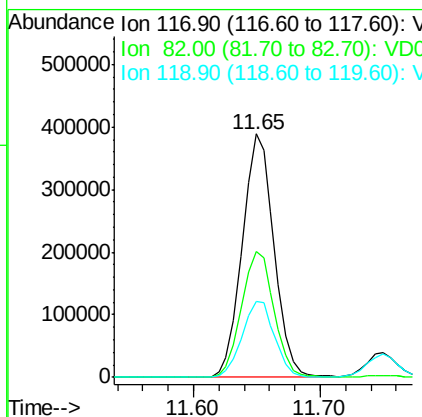
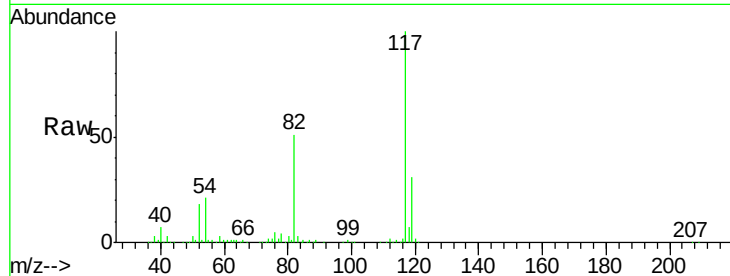
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.7	64.1
119	31.0	25.5	38.3

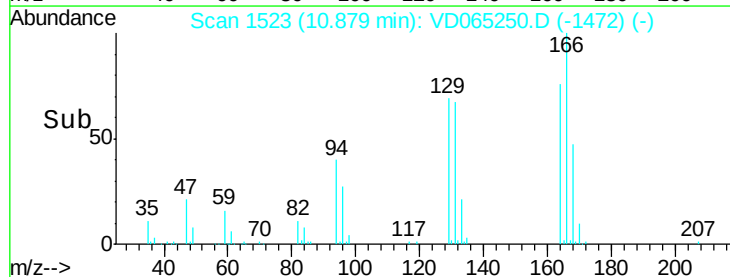
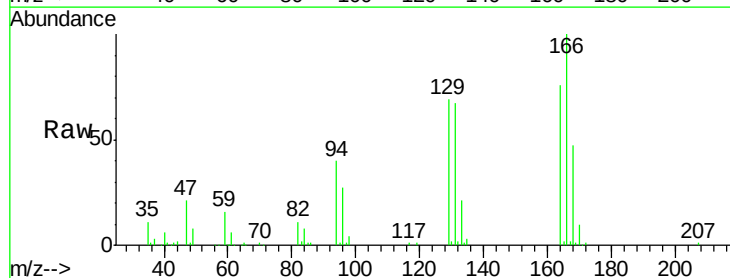
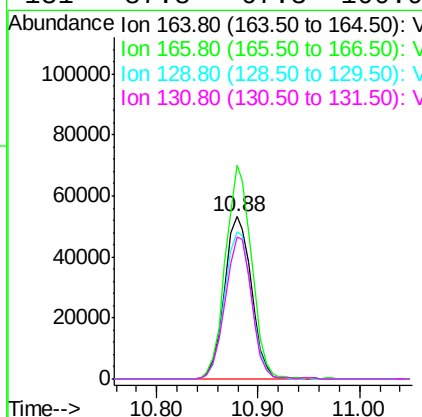
Manual Integrations
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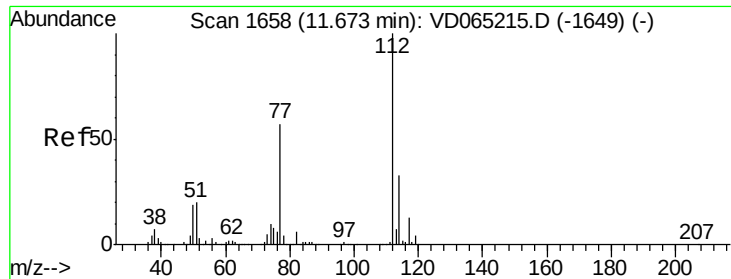
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2/21/2020 3:22:55 PM



#64
Tetrachloroethene
Concen: 20.454 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	98.4	147.6
129	91.2	71.6	107.4
131	87.8	67.3	100.9





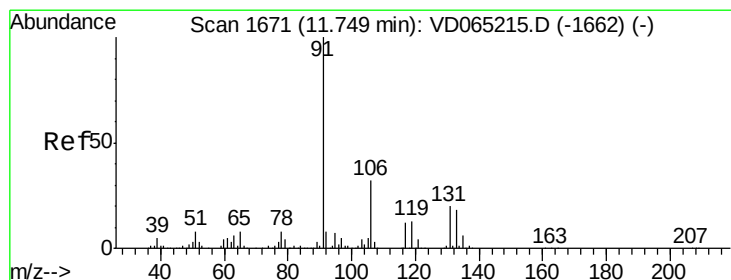
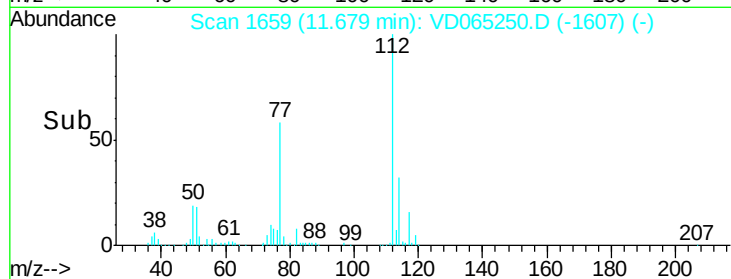
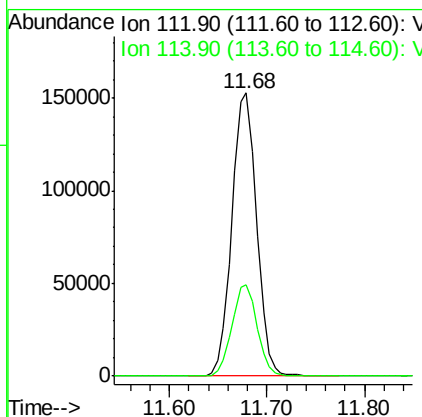
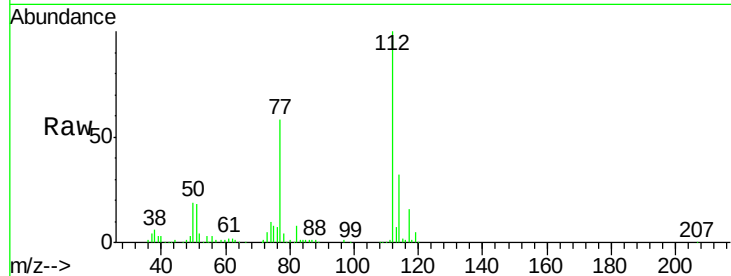
#65
Chlorobenzene
Concen: 19.839 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	269241		
114	32.3	26.4	39.6	

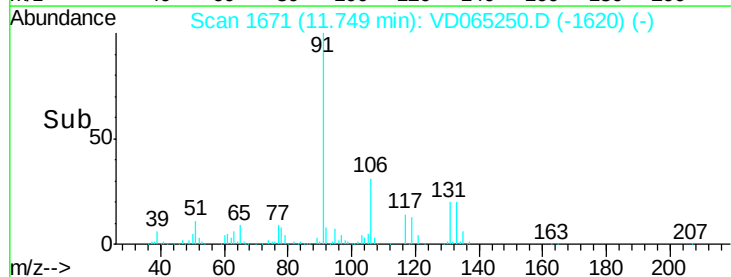
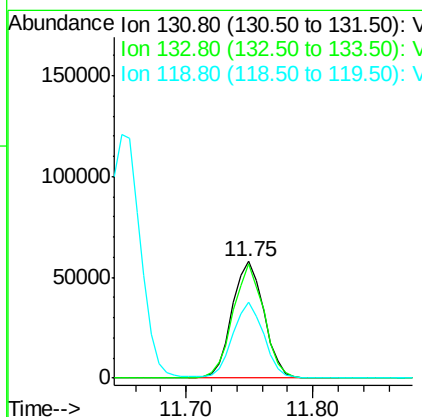
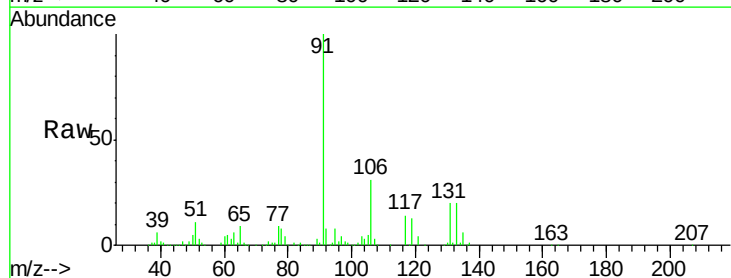
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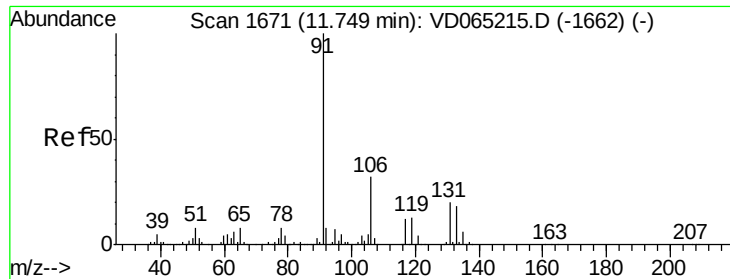
MMDadoda
2/21/2020 3:22:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.971 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101143		
133	95.2	47.7	143.1	
119	63.9	32.7	98.1	





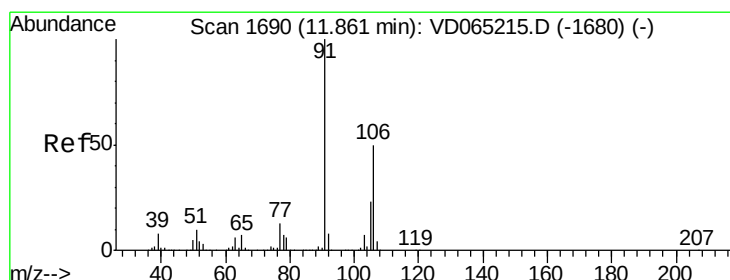
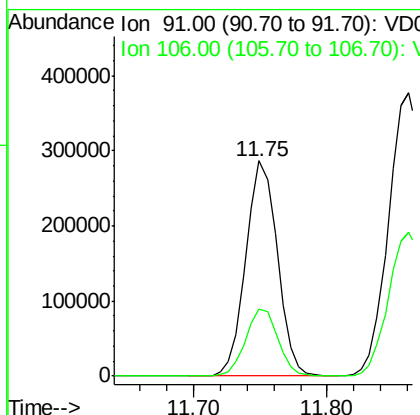
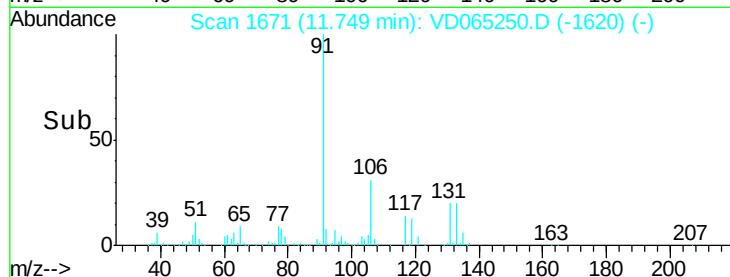
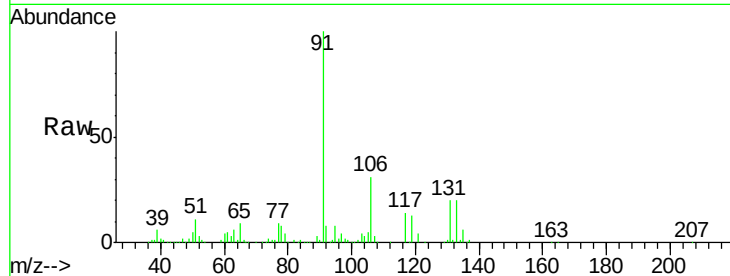
#67
Ethyl Benzene
Concen: 19.768 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion: 91 Resp: 469862
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

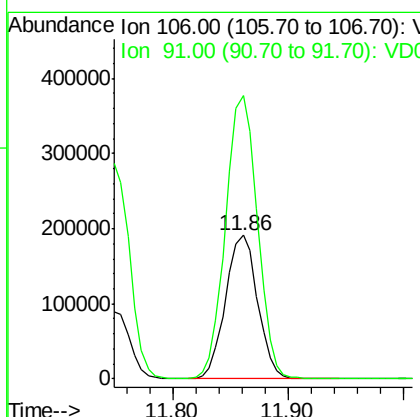
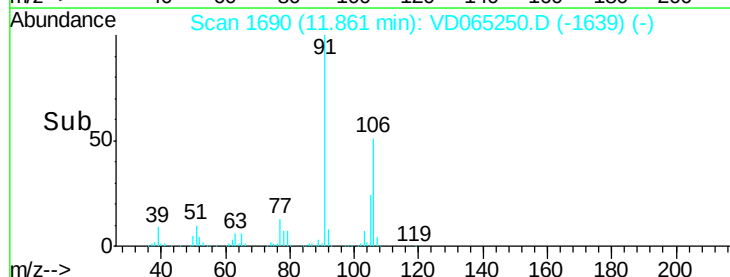
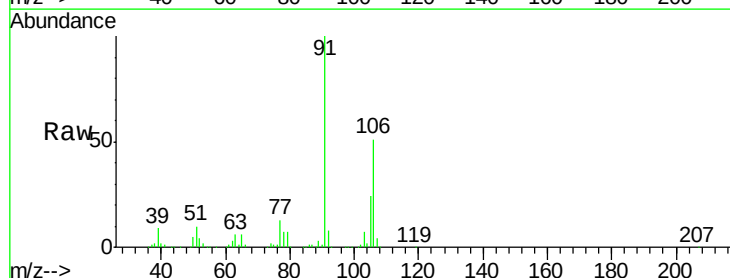
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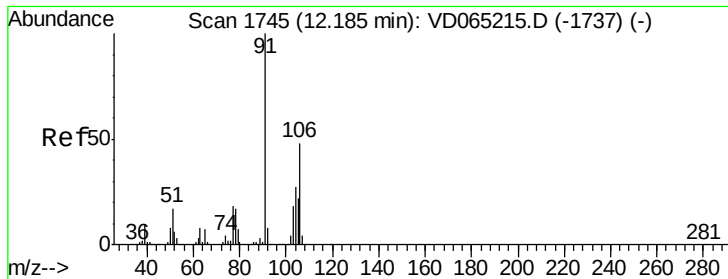
MMDadoda
2/21/2020 3:22:55 PM



#68
m/p-Xylenes
Concen: 40.566 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion: 106 Resp: 368903
Ion Ratio Lower Upper
106 100
91 196.5 158.2 237.4





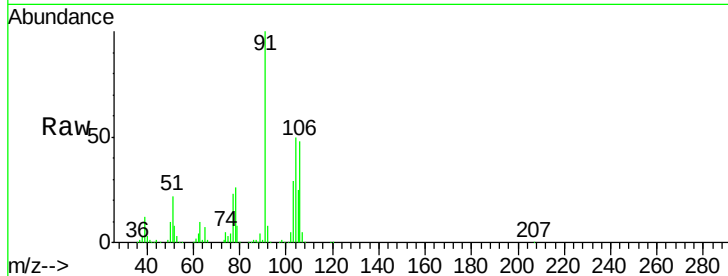
#69
o-Xylene
Concen: 20.083 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

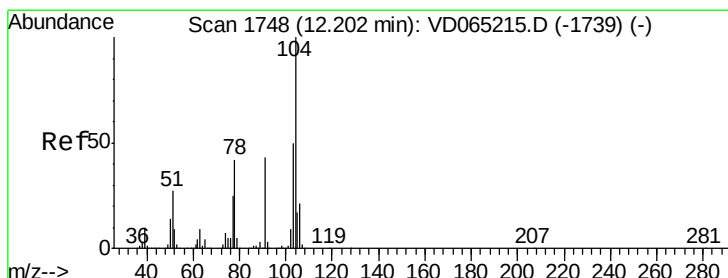
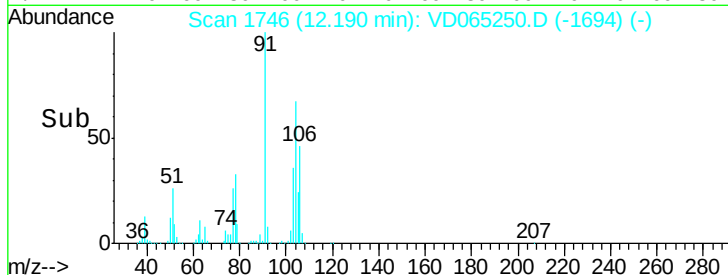
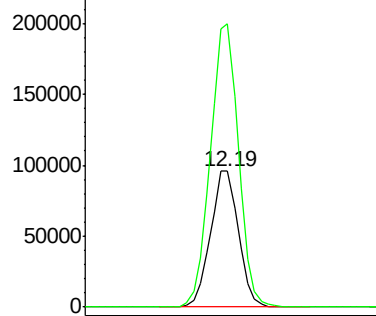
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	161798		
91	91	208.1	104.7	313.9	

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2/21/2020 3:22:55 PM

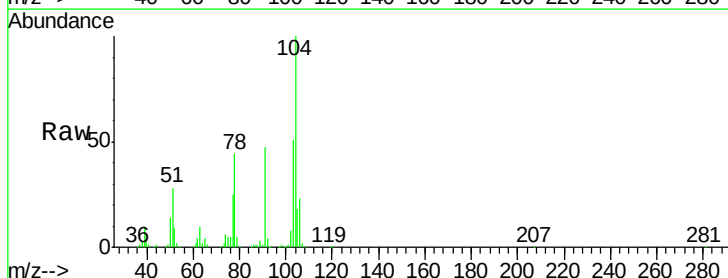


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

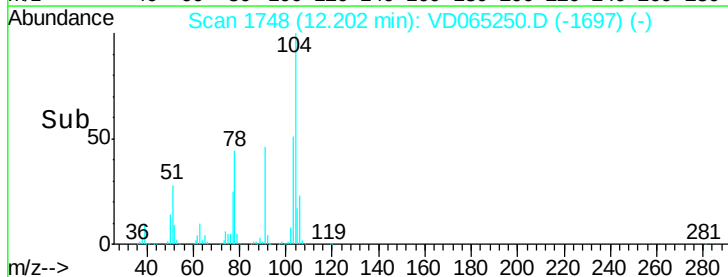
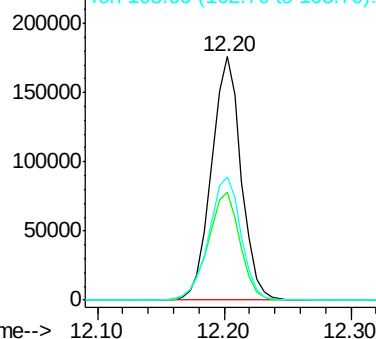


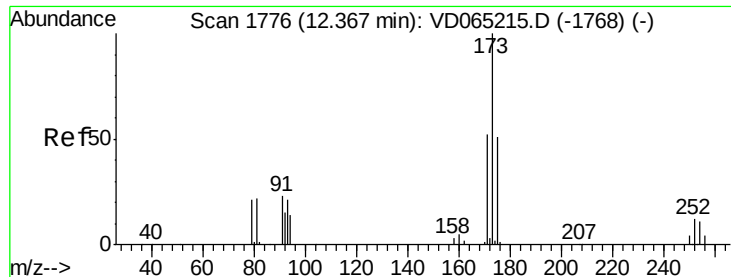
#70
Styrene
Concen: 19.979 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	285790		
78	78	47.8	37.8	56.6	
103	103	54.7	43.4	65.2	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.391 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

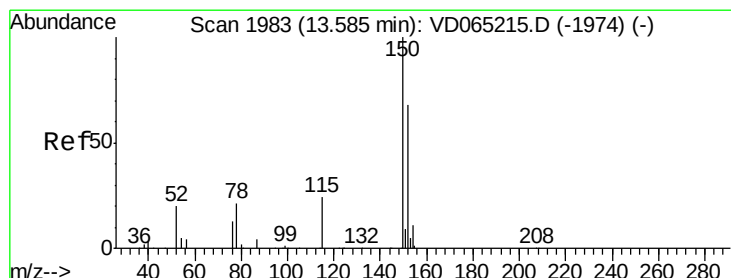
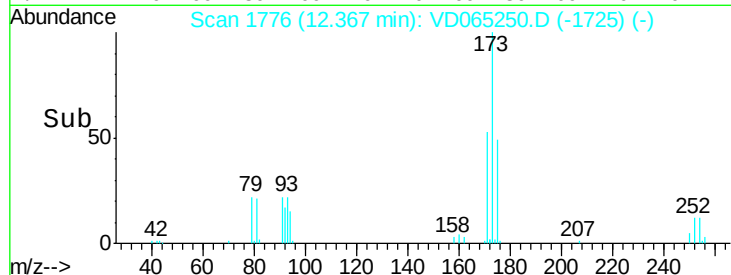
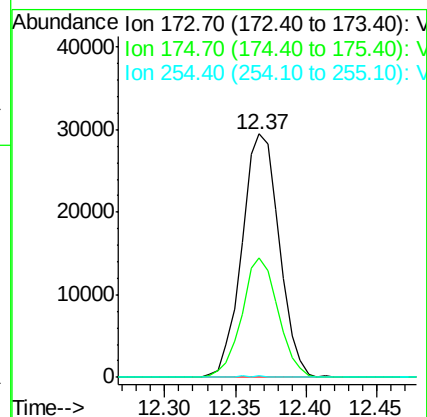
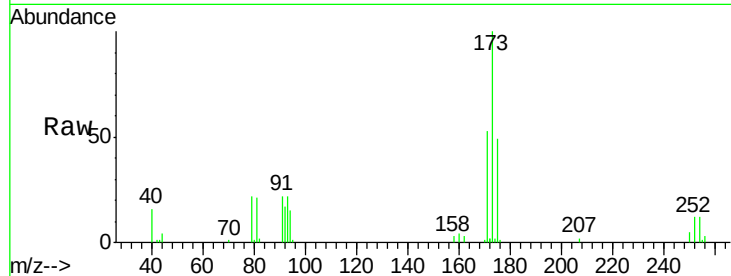
ClientSampled :

VD0220SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.4
254	0.2	0.0	0.0

Manual Integrations
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2/21/2020 3:22:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

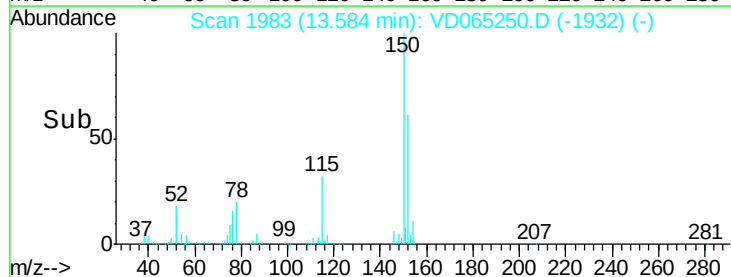
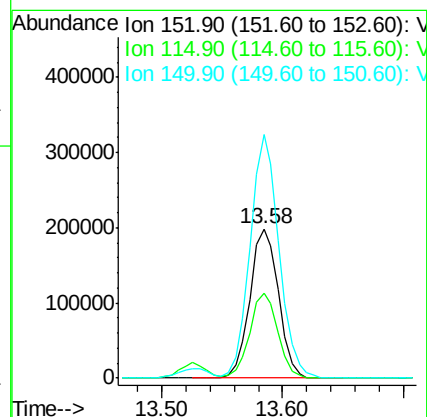
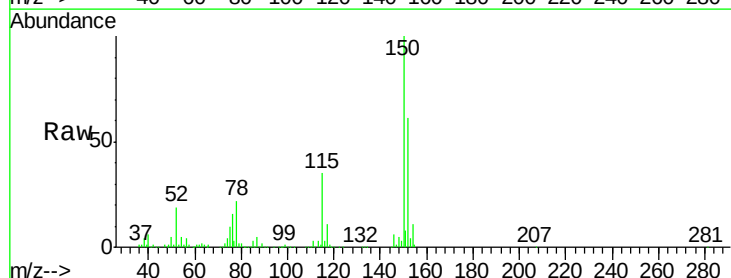
RT: 13.58 min Scan# 1983

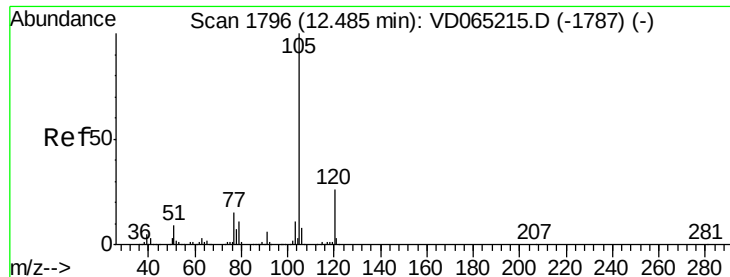
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	164.3	0.0	347.4





#73

Isopropylbenzene

Concen: 20.418 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 105 Resp: 442595

Ion Ratio Lower Upper

105 100

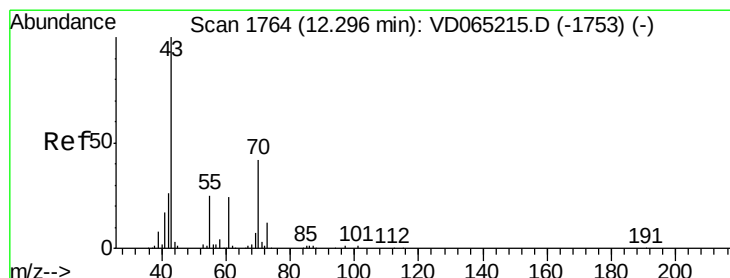
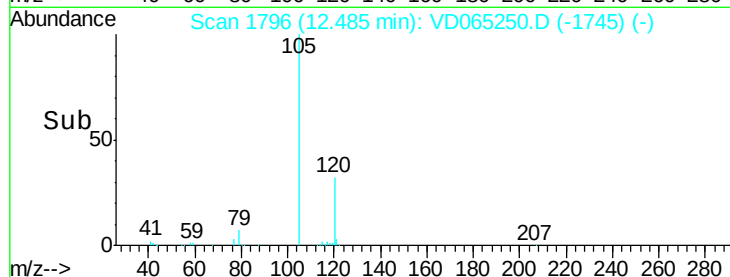
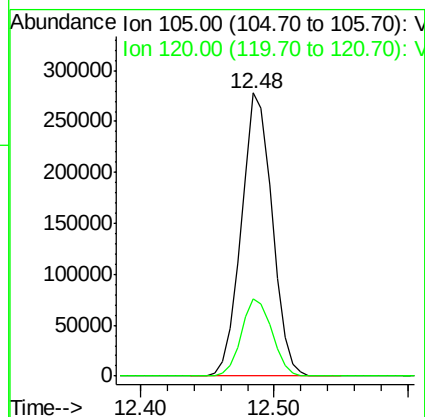
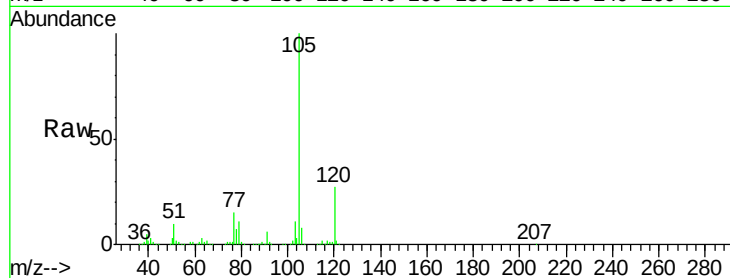
120 27.1 13.3 39.9

Manual Integrations

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2/21/2020 3:22:55 PM



#74

N-ethyl acetate

Concen: 18.770 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion: 43 Resp: 90410

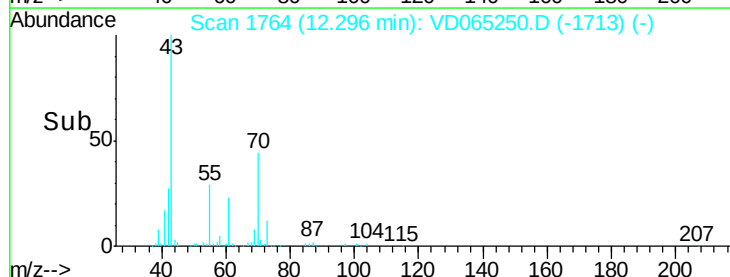
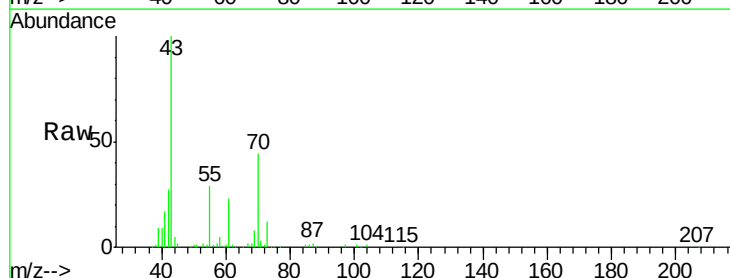
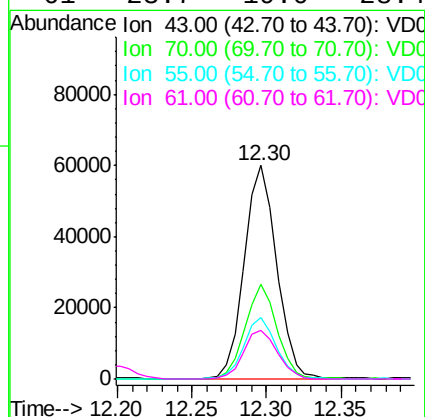
Ion Ratio Lower Upper

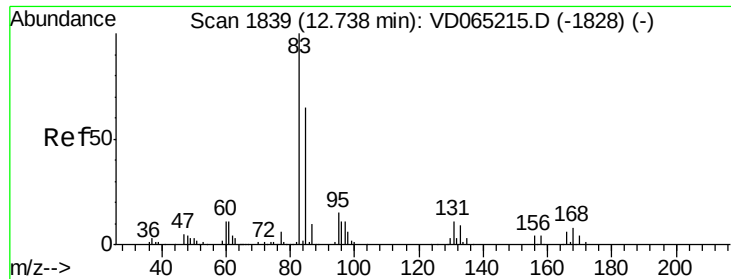
43 100

70 43.5 33.7 50.5

55 28.7 20.7 31.1

61 23.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.700 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 83 Resp: 77072

Ion Ratio Lower Upper

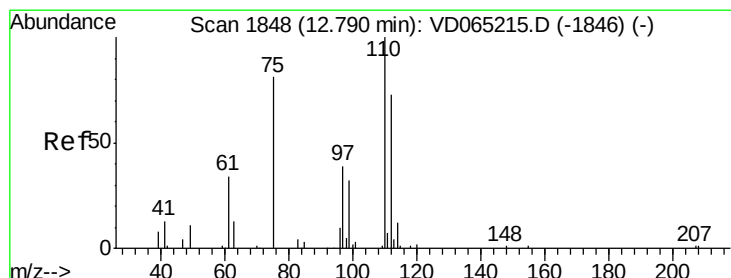
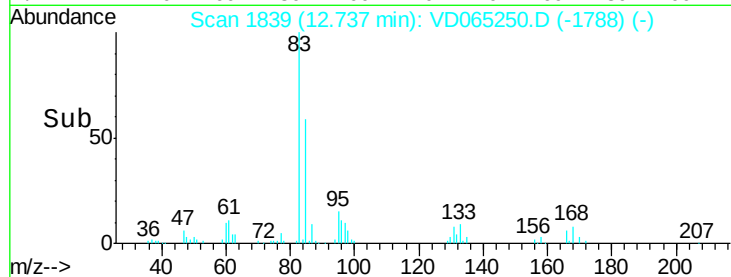
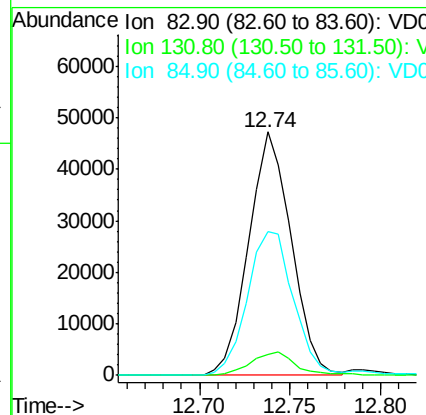
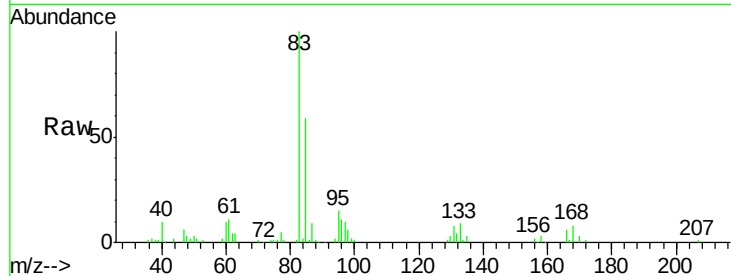
83 100

131 10.0 5.4 16.2

85 63.8 31.6 94.8

Manual Integrations
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2/21/2020 3:22:55 PM



#76

1,2,3-Trichloropropane

Concen: 19.551 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065250.D

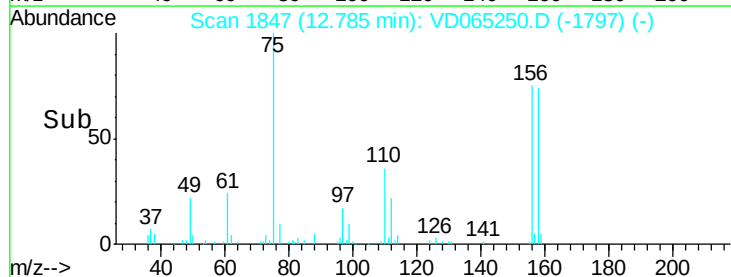
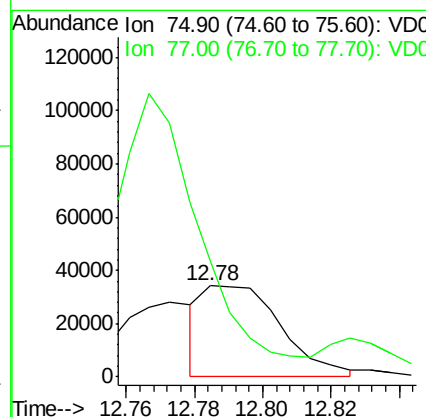
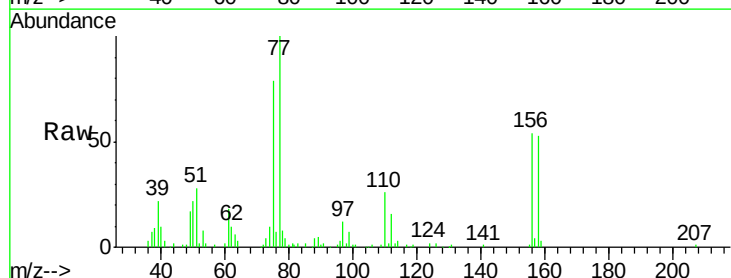
Acq: 20 Feb 2020 12:09

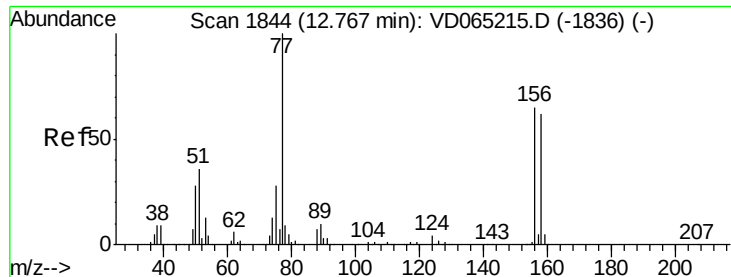
Tgt Ion: 75 Resp: 54466

Ion Ratio Lower Upper

75 100

77 355.7 0.0 0.0#





#77

Bromobenzene

Concen: 20.313 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

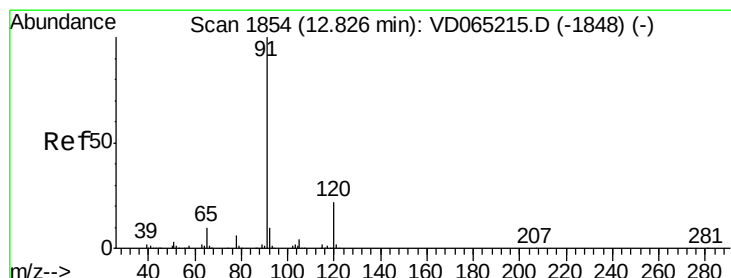
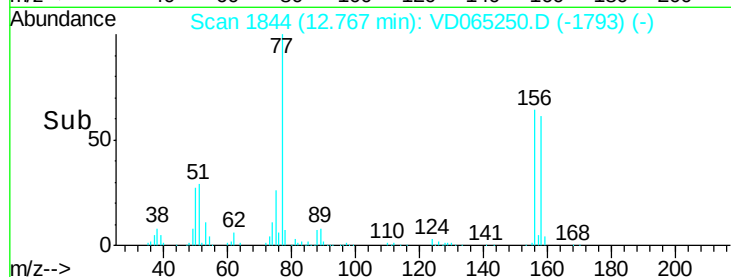
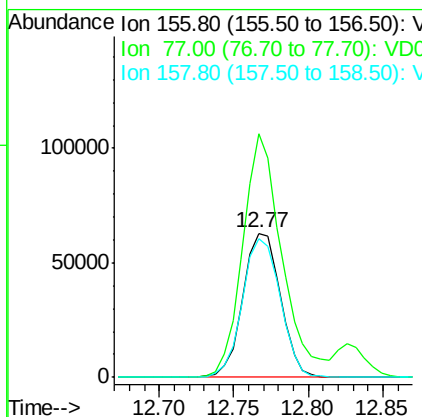
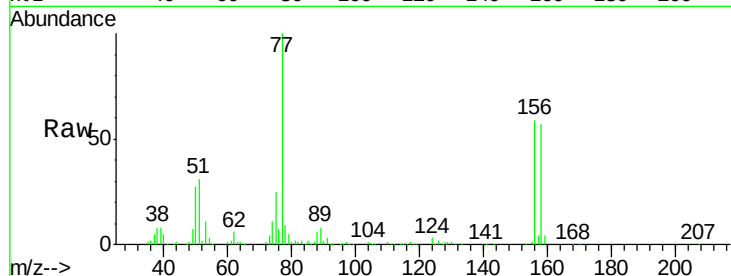
ClientSampleId :

VD0220SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.2	86.6	259.7
158	96.9	48.1	144.3

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#78

n-propylbenzene

Concen: 20.659 ug/l

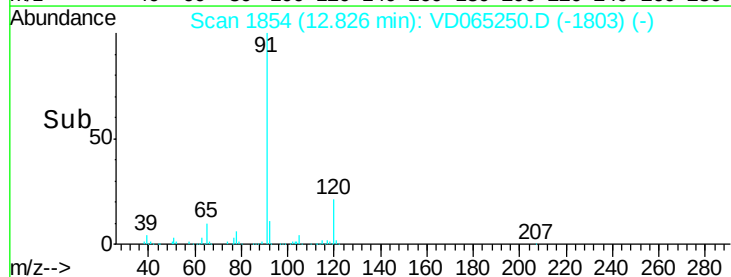
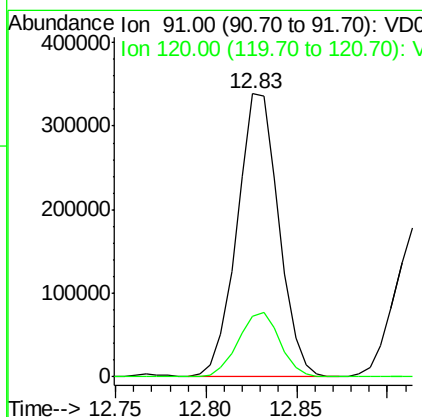
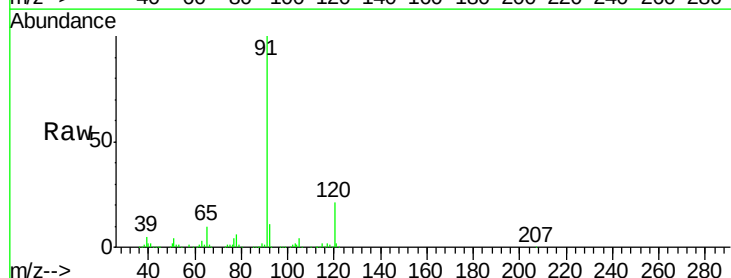
RT: 12.83 min Scan# 1854

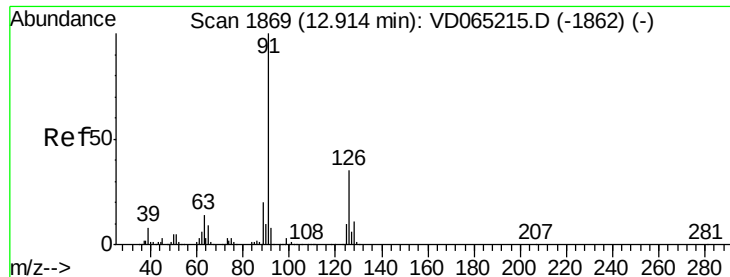
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.5





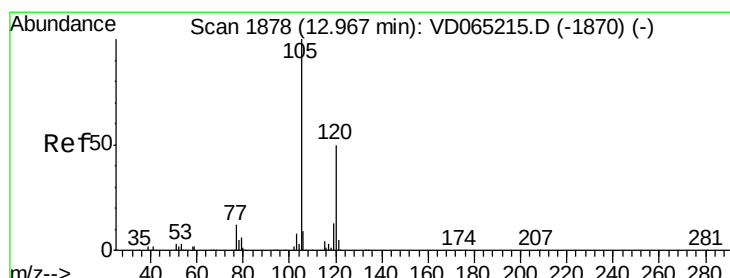
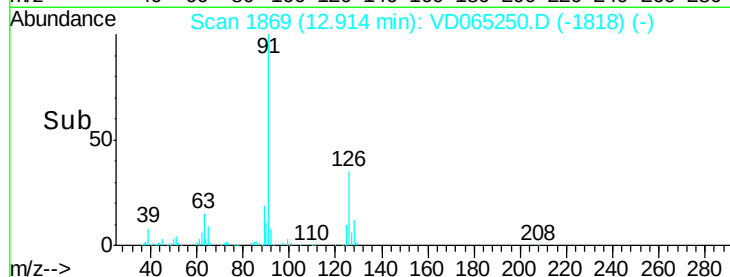
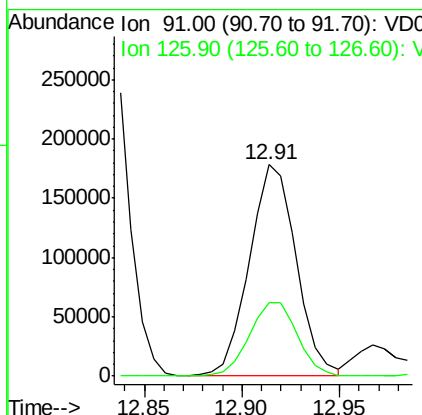
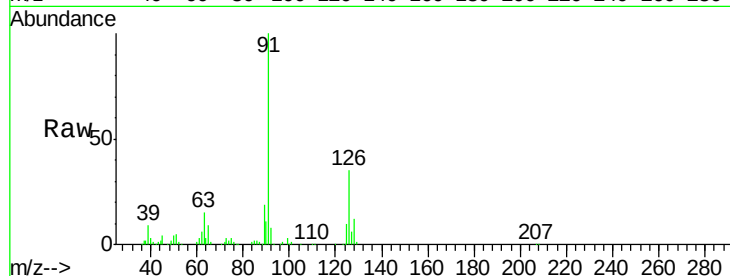
#79
 2-Chlorotoluene
 Concen: 20.182 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBSD01

Tot Ion: 91 Resp: 294524
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.5 52.6

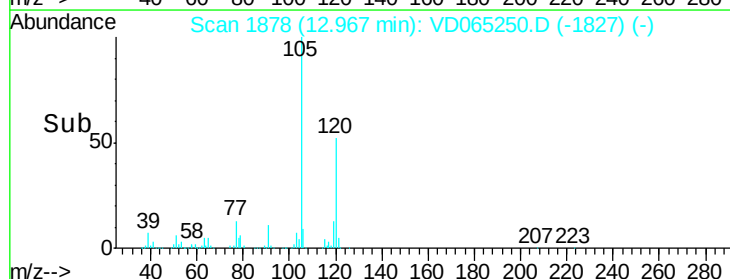
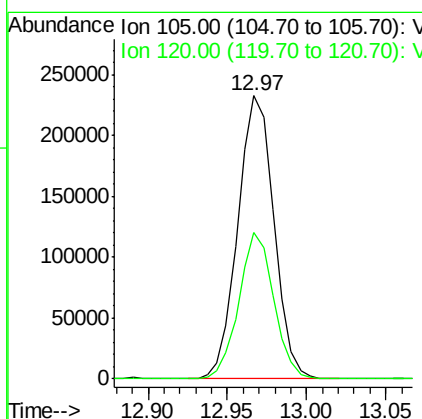
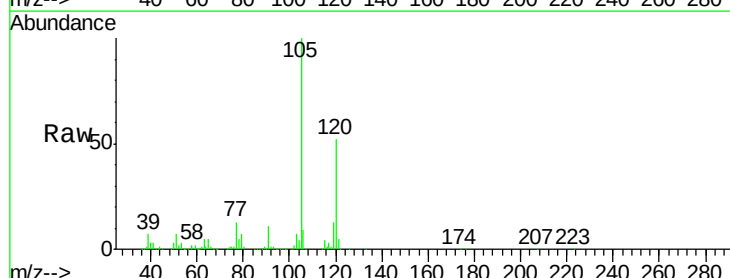
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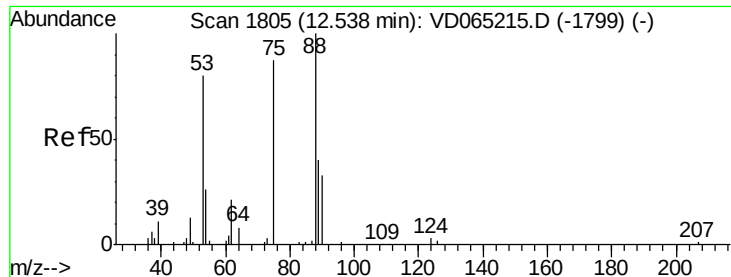
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.534 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion: 105 Resp: 366617
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.898 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

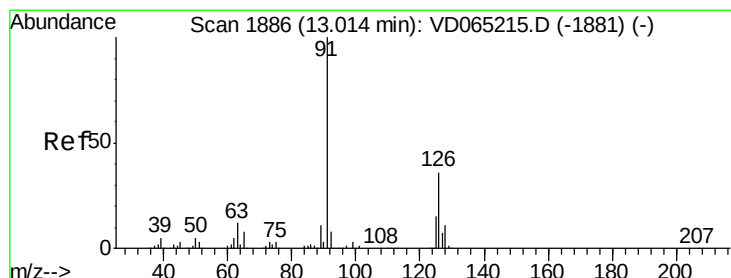
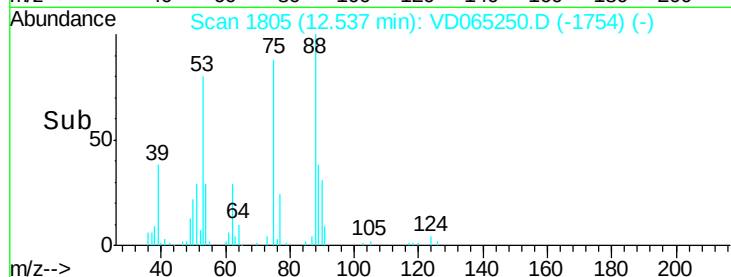
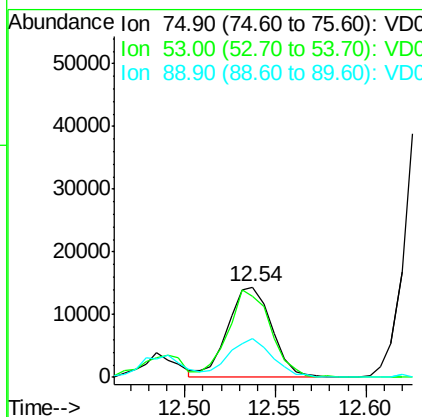
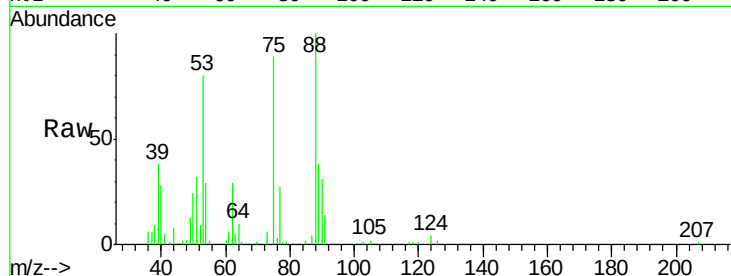
ClientSampleId :

VD0220SBS01

Tot Ion:	75	Resp:	24383
Ion	Ratio	Lower	Upper
75	100		
53	93.2	77.6	116.4
89	42.1	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.604 ug/l

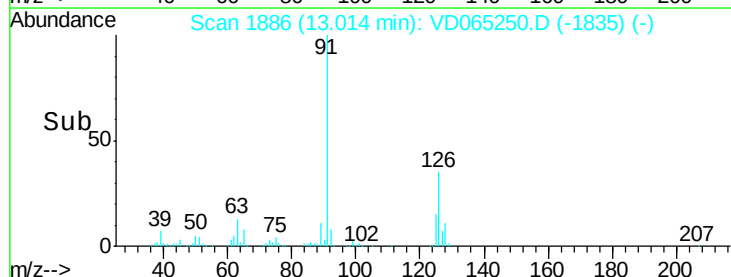
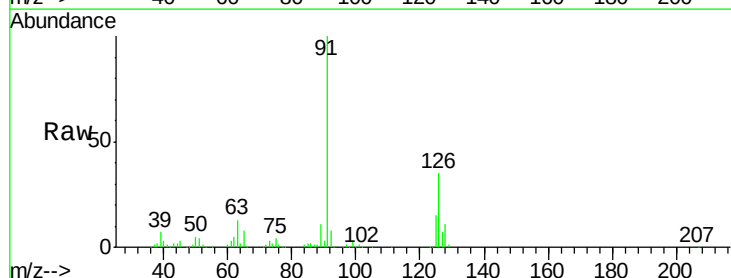
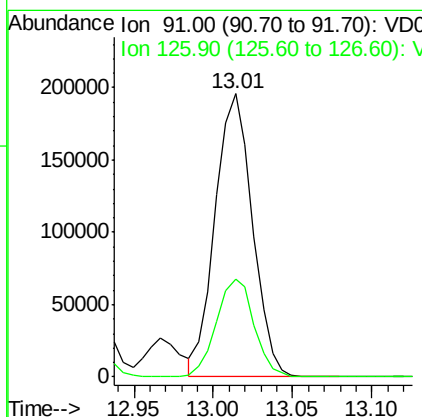
RT: 13.01 min Scan# 1886

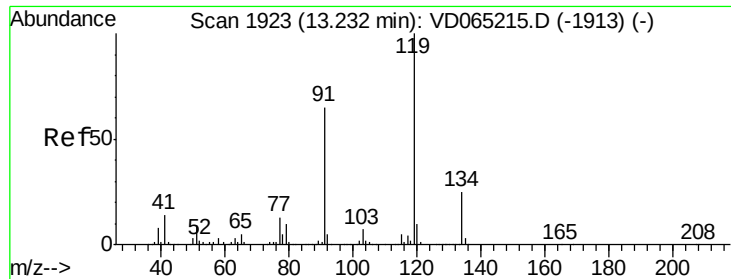
Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Tgt Ion:	91	Resp:	319211
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





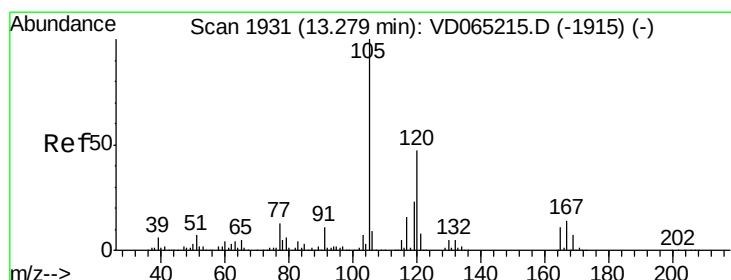
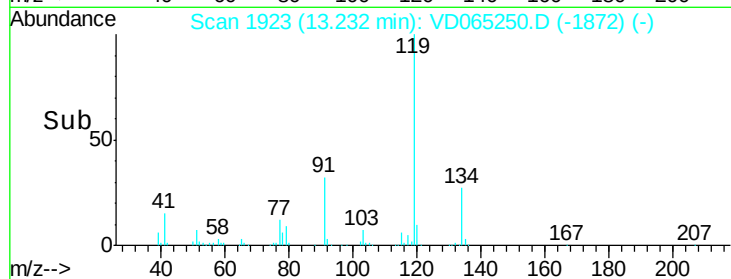
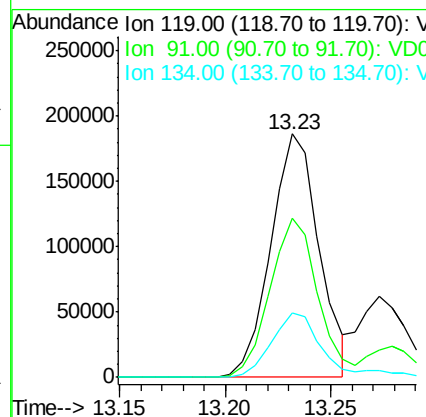
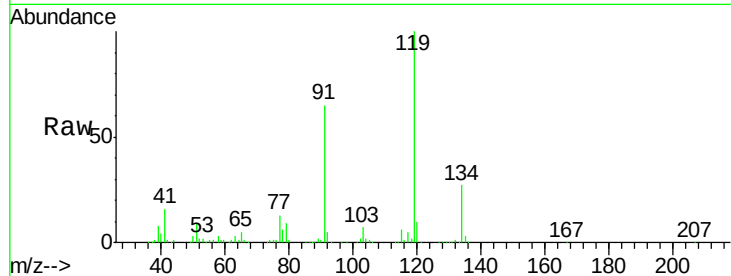
#83
 tert-Butylbenzene
 Concen: 19.796 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296223		
91	65.2		31.9	95.5
134	28.5		13.8	41.3

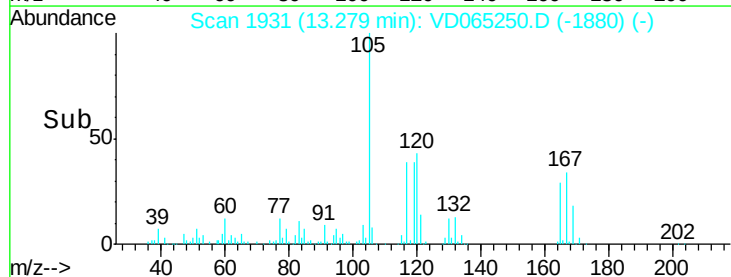
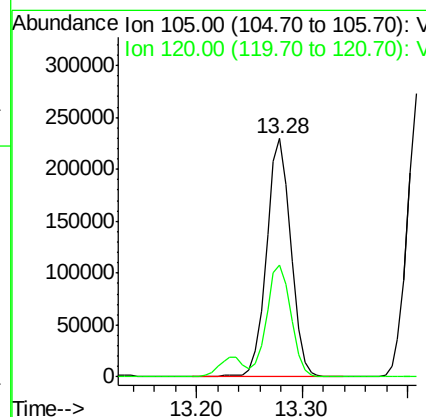
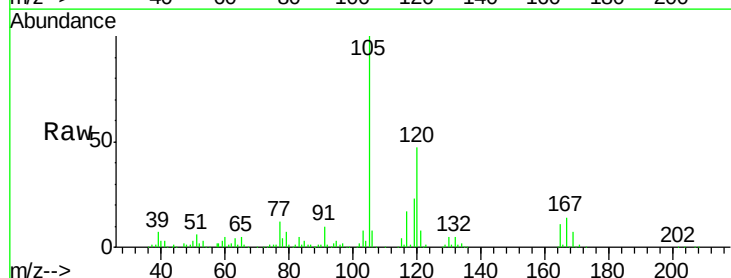
Manual Integrations
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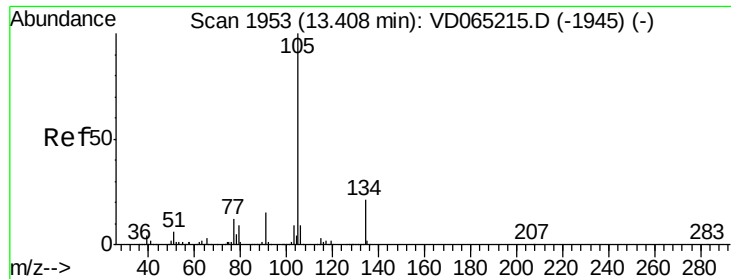
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.549 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367210		
120	47.0		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.248 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion:105 Resp: 436591

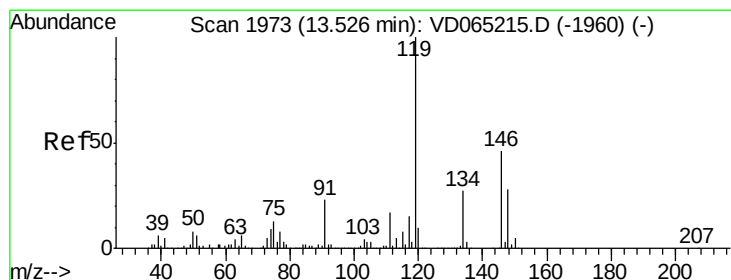
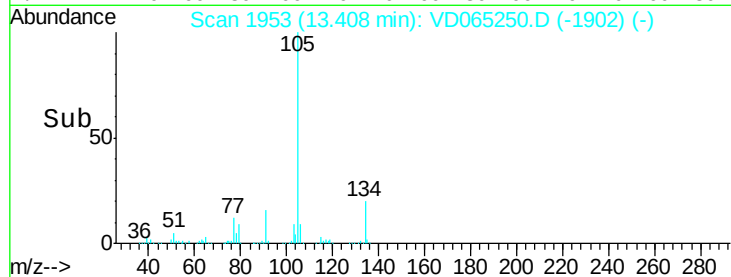
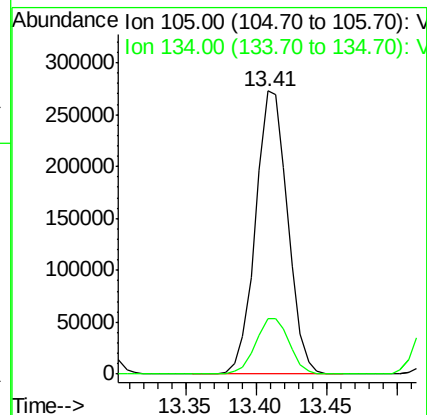
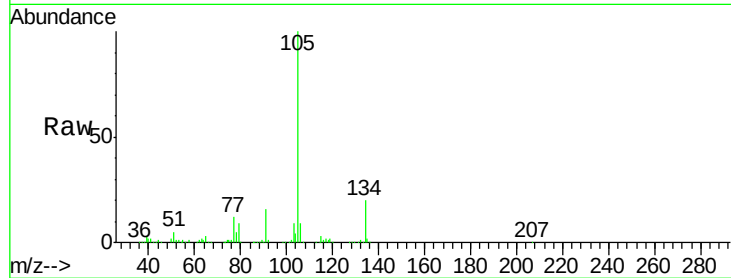
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9

Manual Integrations
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2/21/2020 3:22:55 PM



#86

p-Isopropyltoluene

Concen: 20.251 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065250.D

Acq: 20 Feb 2020 12:09

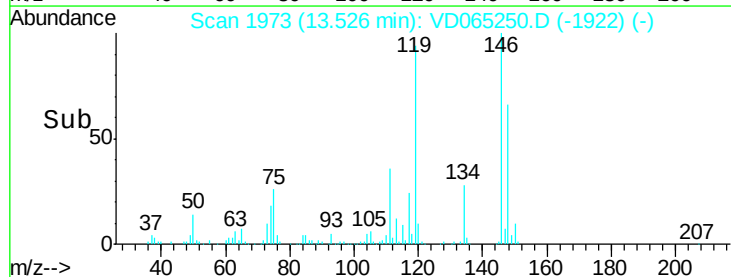
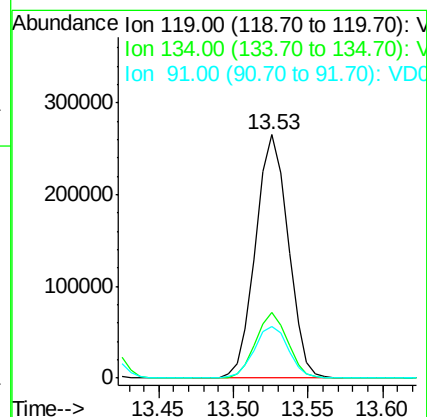
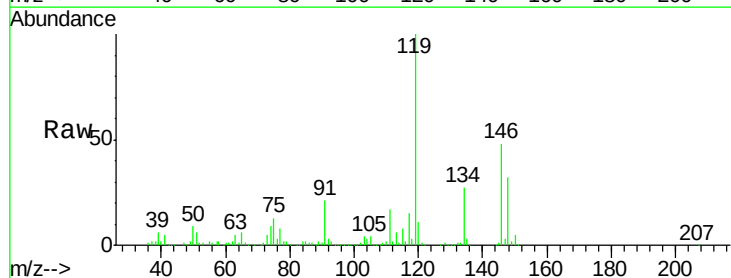
Tgt Ion:119 Resp: 399316

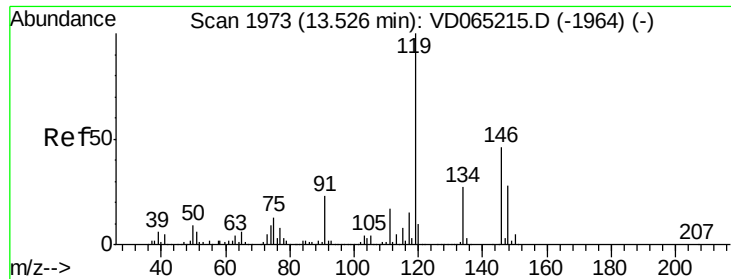
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.2 11.1 33.1





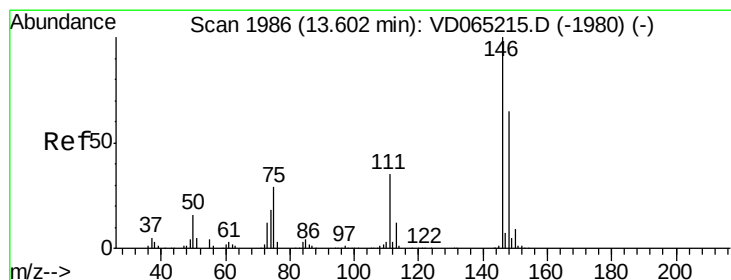
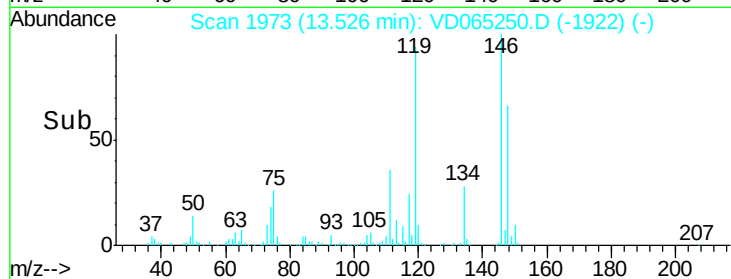
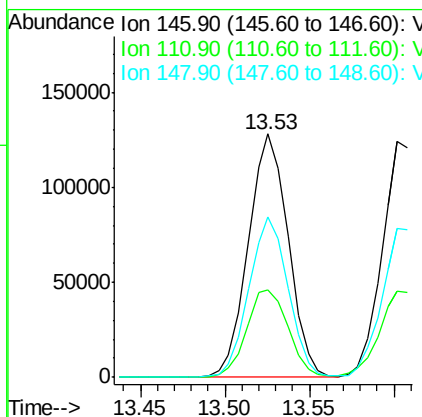
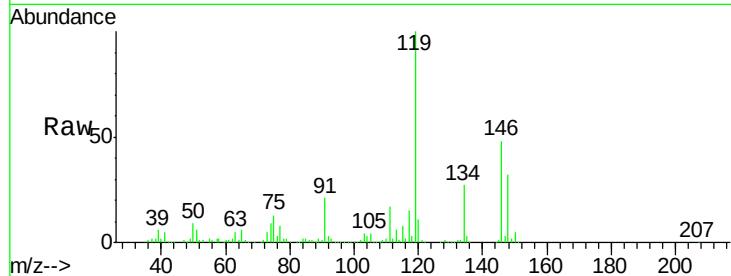
#87
 1,3-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209866		
111	37.6		18.6	55.8
148	64.8		31.4	94.3

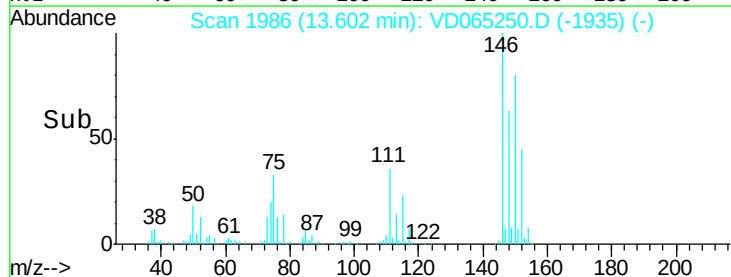
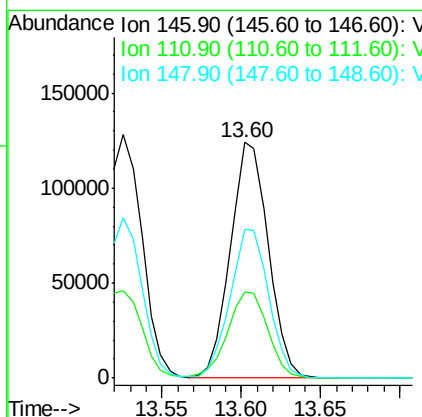
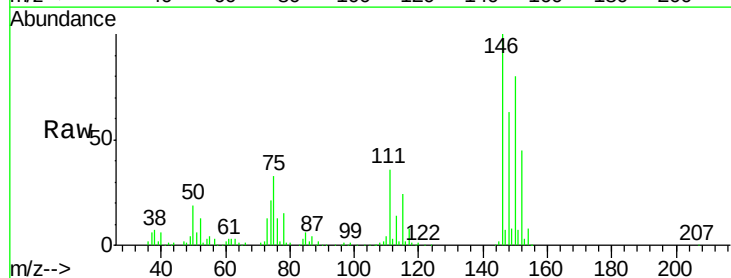
Manual Integrations
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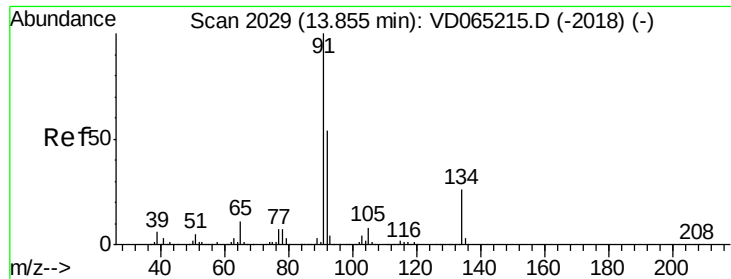
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 2/21/2020 3:22:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.081 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206241		
111	38.7		18.4	55.2
148	64.2		32.1	96.5





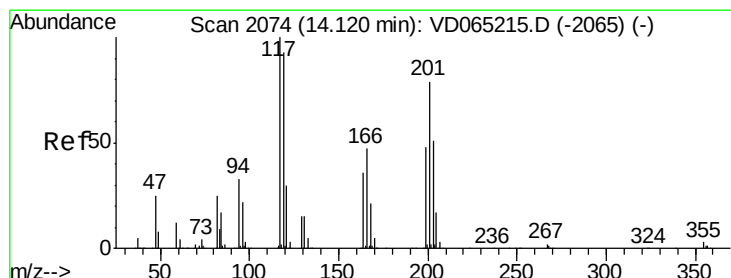
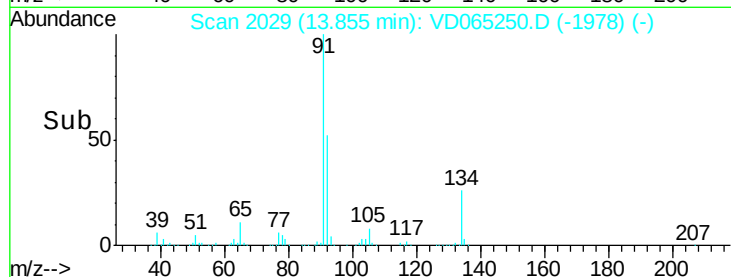
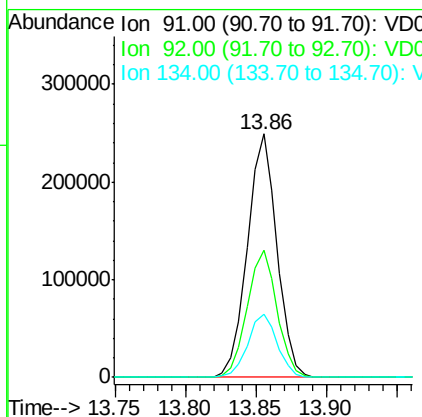
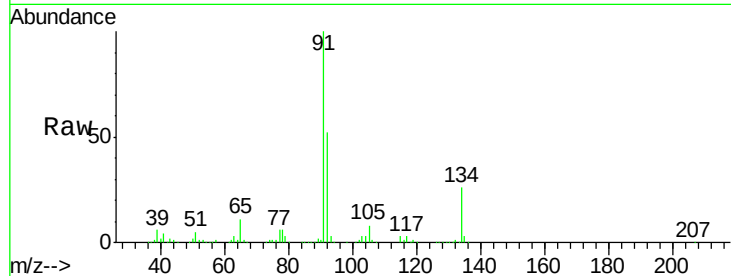
#89
n-Butylbenzene
Concen: 20.142 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	27.0	80.8	
134	26.1	13.5	40.4	

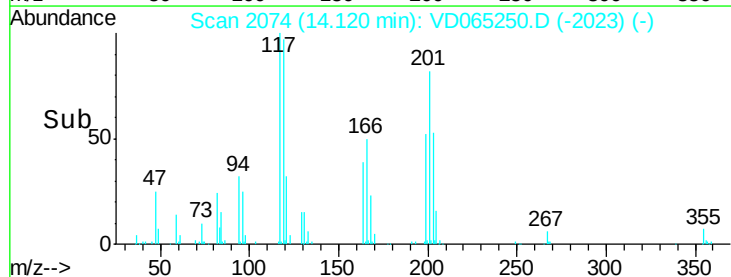
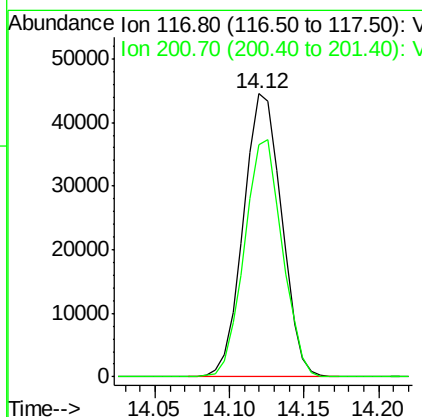
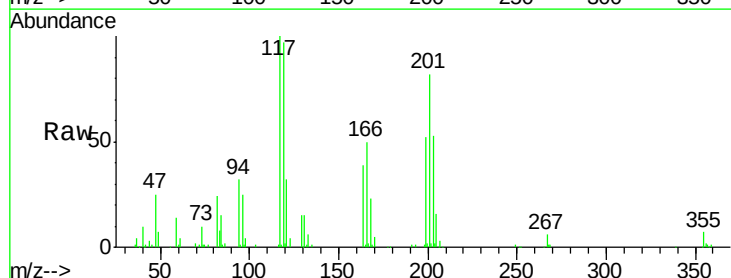
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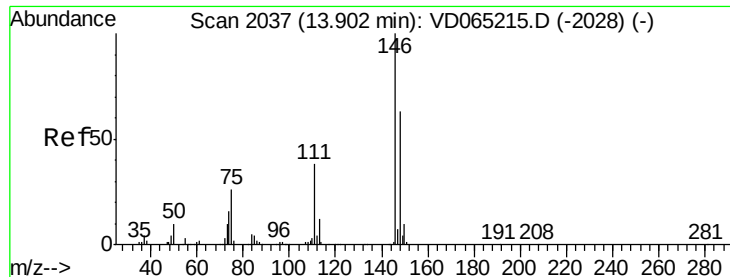
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#90
Hexachloroethane
Concen: 19.736 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.7	41.3	124.1	





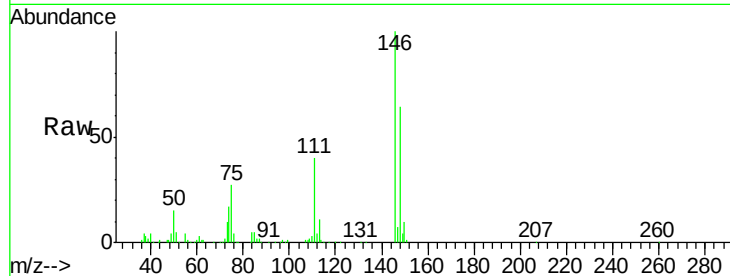
#91
 1,2-Dichlorobenzene
 Concen: 20.136 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

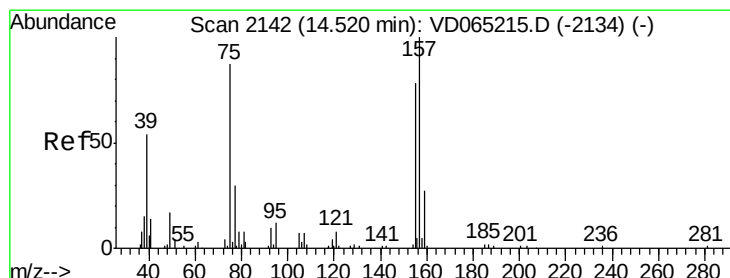
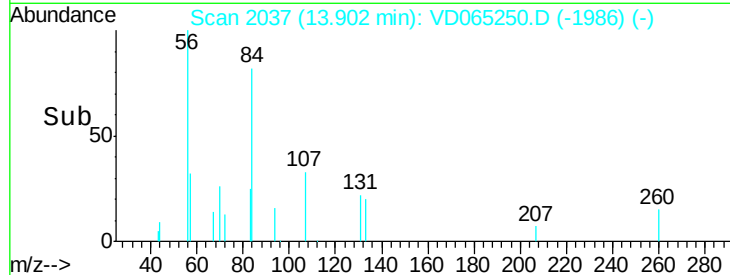
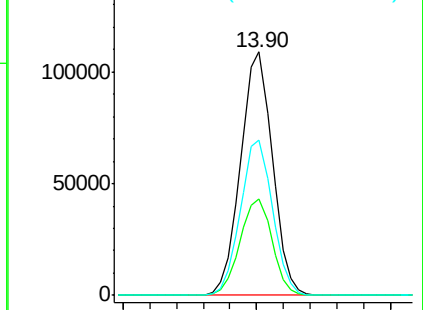
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	64.2	32.0	96.2

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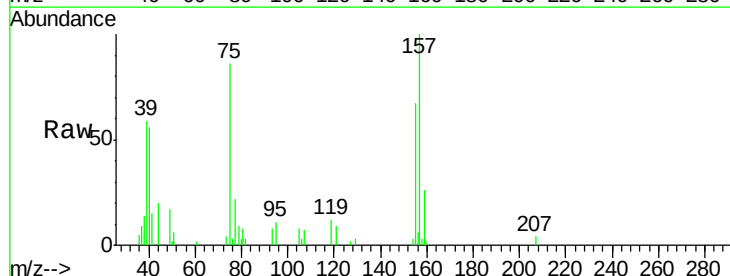


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

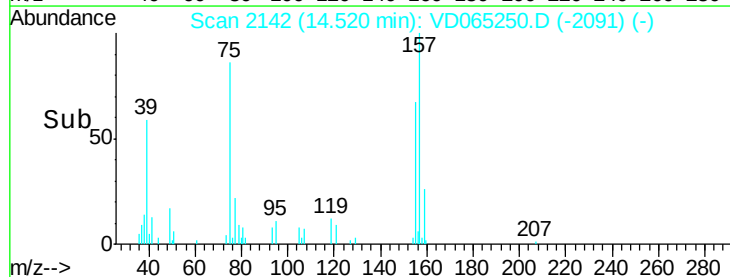
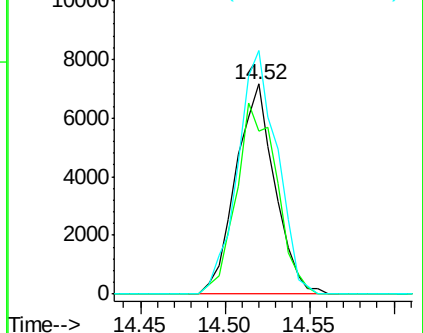


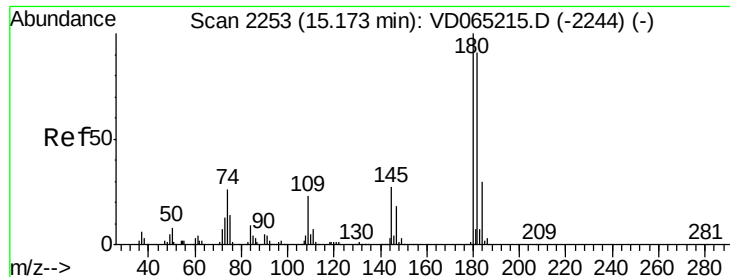
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.085 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	42.3	126.9
157	117.1	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





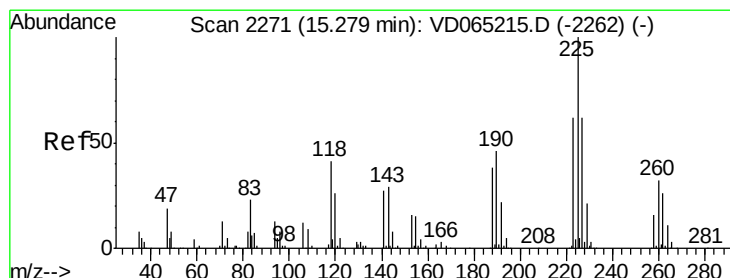
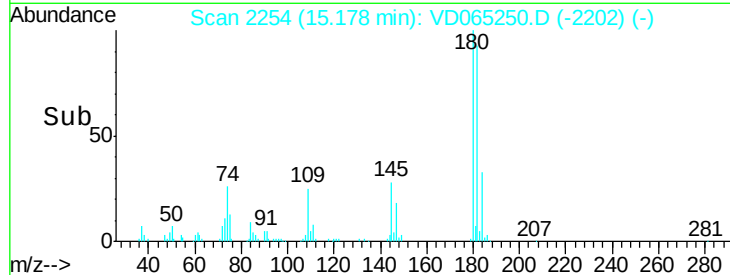
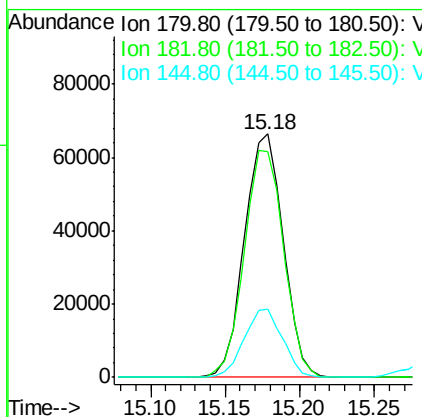
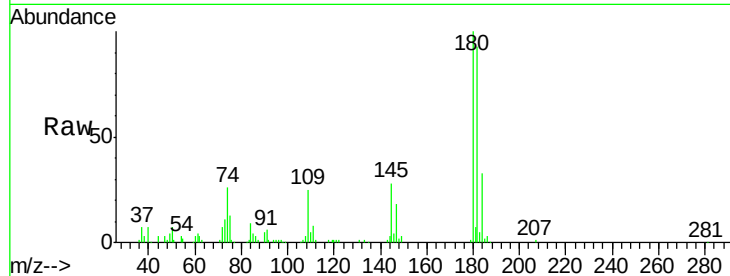
#93
 1,2,4-Trichlorobenzene
 Concen: 20.411 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119292		
182	94.6	46.9	140.6	
145	27.8	13.9	41.7	

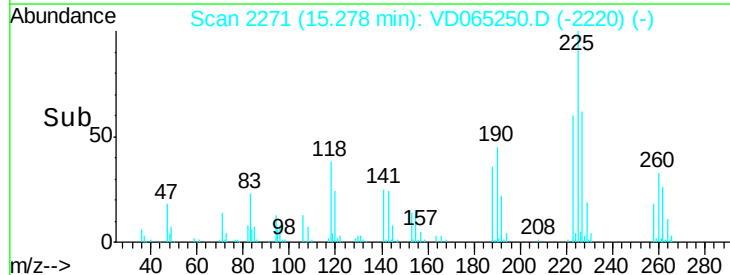
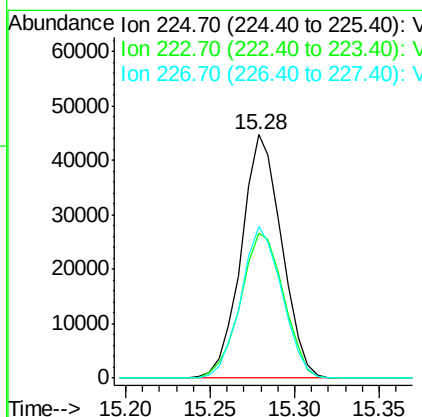
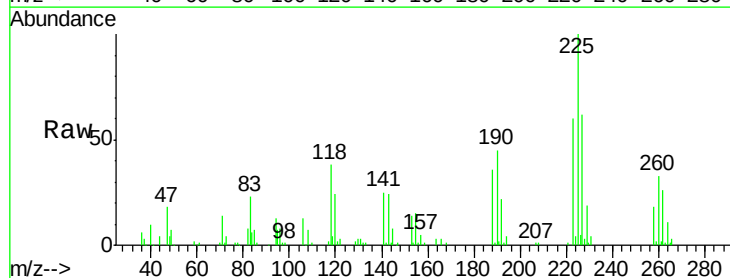
Manual Integrations
 APPROVED

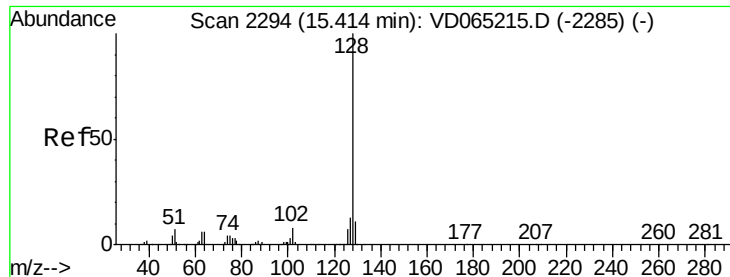
MMDadoda
 2/21/2020 3:22:55 PM



#94
 Hexachlorobutadiene
 Concen: 19.896 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065250.D
 Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74594		
223	63.6	31.4	94.2	
227	63.3	31.7	95.1	





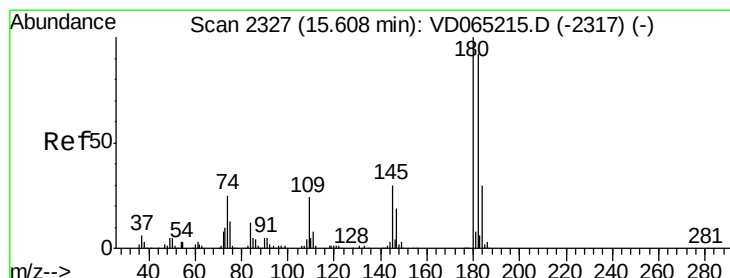
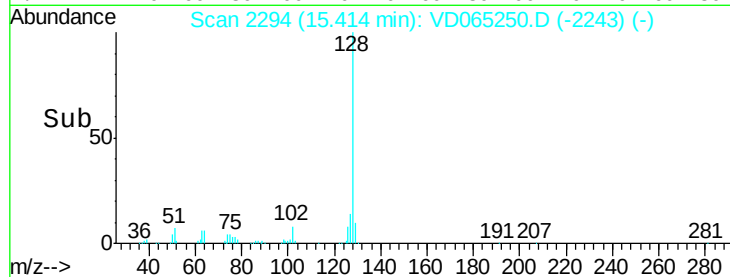
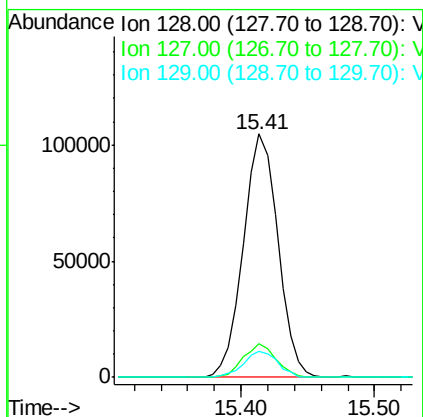
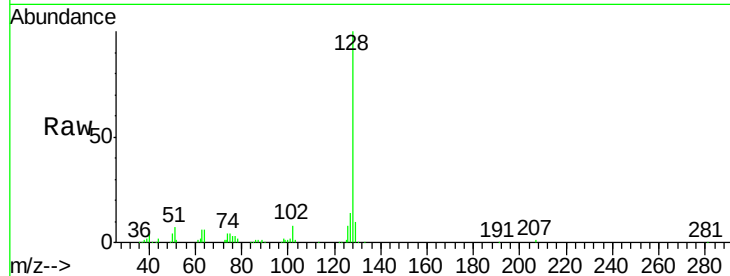
#95
Naphthalene
Concen: 19.831 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	188419		
127	13.0		10.3	15.5
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.719 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065250.D
Acq: 20 Feb 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105758		
182	93.9		46.9	140.6
145	29.9		15.4	46.1

