

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065249.D
 Acq On : 20 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:52 PM

Quant Time: Feb 21 04:25:53 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	484235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	722439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213990	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.92	113	223832	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.34	98	893049	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.64	95	277610	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75319	18.545	ug/l	99
3) Chloromethane	2.21	50	102571	19.841	ug/l	99
4) Vinyl Chloride	2.35	62	101716	19.350	ug/l	97
5) Bromomethane	2.77	94	64222	20.206	ug/l	99
6) Chloroethane	2.93	64	64063	19.965	ug/l	95
7) Trichlorofluoromethane	3.27	101	148900	19.785	ug/l	99
8) Diethyl Ether	3.70	74	41491	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97671	20.551	ug/l	99
10) Methyl Iodide	4.30	142	95681	19.390	ug/l	99
11) Tert butyl alcohol	5.24	59	21501	82.597	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	91496	20.380	ug/l	97
13) Acrolein	3.93	56	40402	110.369	ug/l	98
14) Allyl chloride	4.71	41	143721	19.713	ug/l	97
15) Acrylonitrile	5.44	53	91570	91.044	ug/l	98
16) Acetone	4.16	43	86260	81.005	ug/l	99
17) Carbon Disulfide	4.40	76	298807	19.852	ug/l	100
18) Methyl Acetate	4.72	43	44145	18.432	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	167696	17.912	ug/l	96
20) Methylene Chloride	4.97	84	108508	20.136	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101785	19.943	ug/l	98
22) Diisopropyl ether	6.37	45	274960	19.563	ug/l	98
23) Vinyl Acetate	6.31	43	684234	88.307	ug/l	97
24) 1,1-Dichloroethane	6.26	63	172402	19.776	ug/l	97
25) 2-Butanone	7.23	43	111996	83.126	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150971	19.960	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106242	19.652	ug/l	98
28) Bromochloromethane	7.56	49	57632	17.819	ug/l	99
29) Tetrahydrofuran	7.57	42	68497	86.770	ug/l	99
30) Chloroform	7.71	83	176091	20.050	ug/l	97
31) Cyclohexane	7.98	56	167633	19.571	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157140	19.997	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142521	20.275	ug/l	99
37) Ethyl Acetate	7.30	43	51638	17.572	ug/l	98
38) Carbon Tetrachloride	8.10	117	144640	20.213	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168668	20.410	ug/l	97
40) Benzene	8.36	78	400945	20.208	ug/l	97
41) Methacrylonitrile	7.54	41	28339	16.702	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	102793	18.845	ug/l	100
43) Isopropyl Acetate	8.46	43	92807	17.367	ug/l	96
44) Trichloroethene	9.11	130	114045	20.736	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95900	19.438	ug/l	100
46) Dibromomethane	9.48	93	48570	19.134	ug/l	99
47) Bromodichloromethane	9.67	83	130547	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	49066	19.864	ug/l	95
49) 1,4-Dioxane	9.47	88	10448	350.930	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	239230	88.141	ug/l	100
52) Toluene	10.41	92	253907	20.674	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117485	18.947	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143915	19.220	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	67441	18.876	ug/l	100
56) Ethyl methacrylate	10.67	69	72964	17.693	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116689	19.189	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	116166	89.348	ug/l	99
59) 2-Hexanone	10.99	43	165936	85.406	ug/l	98
60) Dibromochloromethane	11.14	129	87620	19.160	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63022	18.630	ug/l	99
64) Tetrachloroethene	10.88	164	98546	21.715	ug/l	98
65) Chlorobenzene	11.68	112	263601	20.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96572	20.154	ug/l	99
67) Ethyl Benzene	11.75	91	464816	20.668	ug/l	98
68) m/p-Xylenes	11.86	106	363909	42.295	ug/l	99
69) o-Xylene	12.19	106	155886	20.450	ug/l	99
70) Styrene	12.20	104	276283	20.414	ug/l	99
71) Bromoform	12.37	173	48992	18.425	ug/l #	98
73) Isopropylbenzene	12.48	105	435854	21.083	ug/l	100
74) N-amyl acetate	12.30	43	81365	17.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69292	18.571	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40034m	15.068	ug/l	
77) Bromobenzene	12.77	156	105156	20.484	ug/l	99
78) n-propylbenzene	12.83	91	534644	21.520	ug/l	100
79) 2-Chlorotoluene	12.91	91	289224	20.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365062	21.440	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21508	17.479	ug/l	99
82) 4-Chlorotoluene	13.01	91	314644	21.295	ug/l	100
83) tert-Butylbenzene	13.23	119	293002	20.531	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367023	21.535	ug/l	99
85) sec-Butylbenzene	13.41	105	435497	21.178	ug/l	99
86) p-Isopropyltoluene	13.53	119	402994	21.429	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	199299	20.082	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	197039	20.116	ug/l	98
89) n-Butylbenzene	13.86	91	364503	21.034	ug/l	98
90) Hexachloroethane	14.12	117	77510	20.299	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173414	20.350	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9523	16.562	ug/l	89

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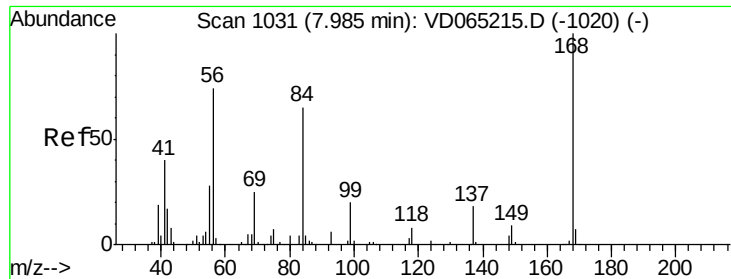
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114027	20.457	ug/l	100
94) Hexachlorobutadiene	15.28	225	76026	21.262	ug/l	100
95) Naphthalene	15.41	128	166639	18.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97657	20.060	ug/l	98

(#) = 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: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion:168 Resp: 484235

Ion Ratio Lower Upper

168 100

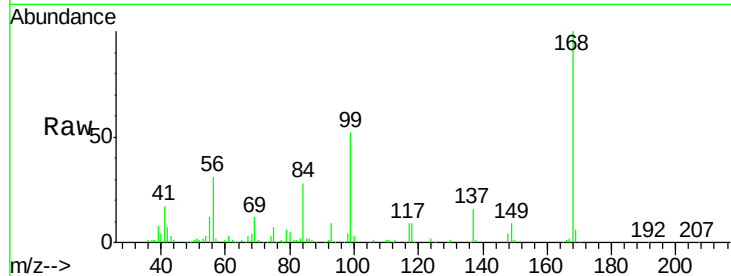
99 51.8 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

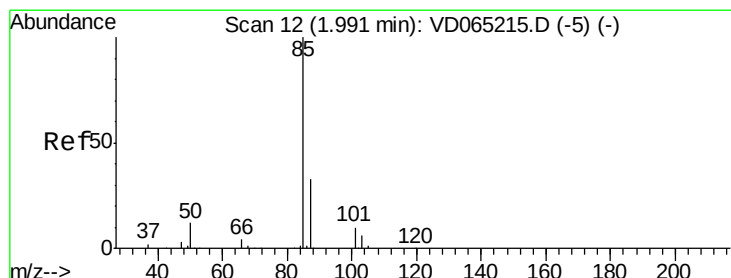
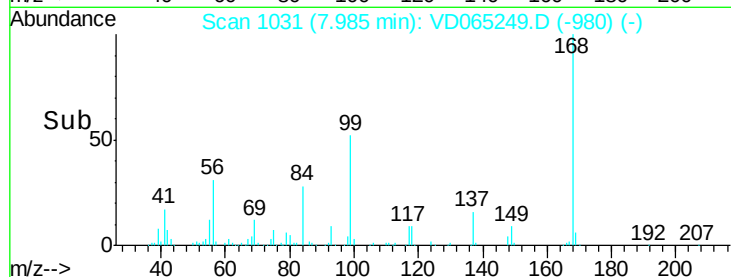
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.545 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065249.D

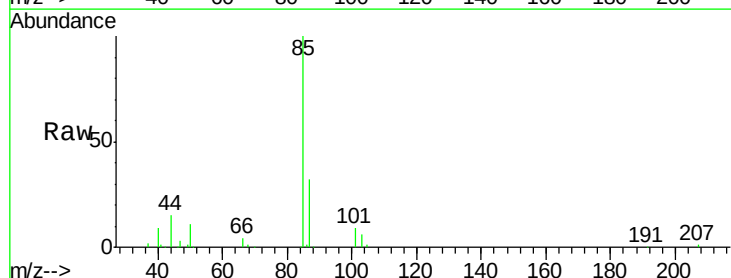
Acq: 20 Feb 2020 11:41

Tgt Ion: 85 Resp: 75319

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

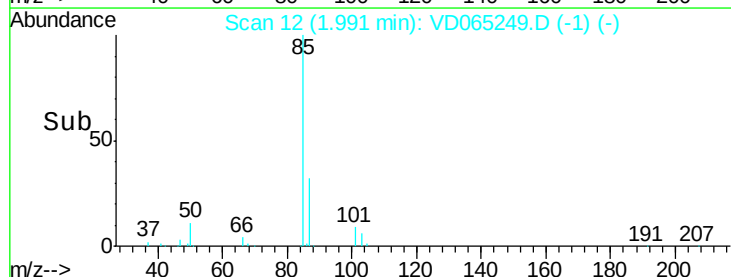
1.95

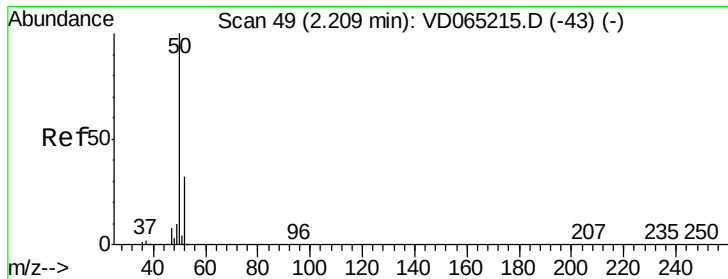
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.841 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 50 Resp: 102571

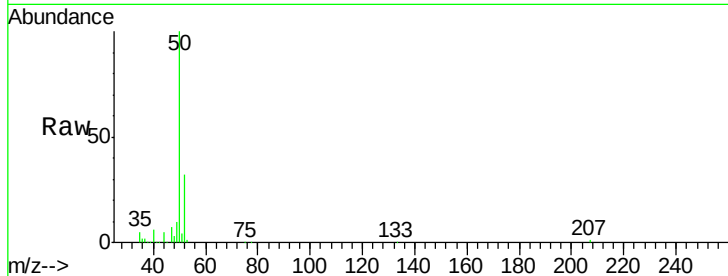
Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3

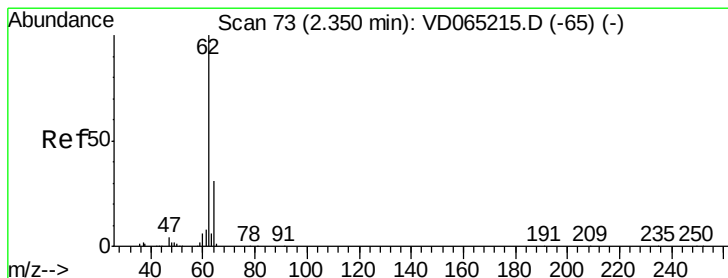
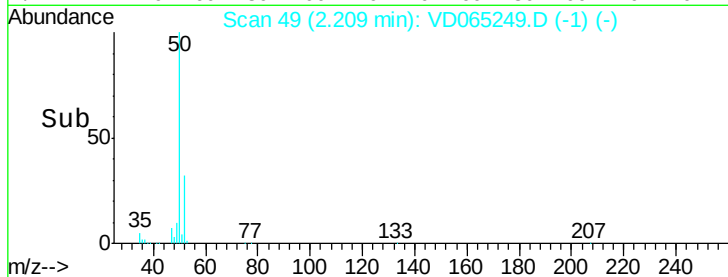
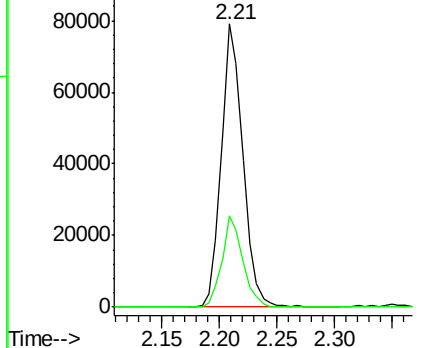
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.350 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065249.D

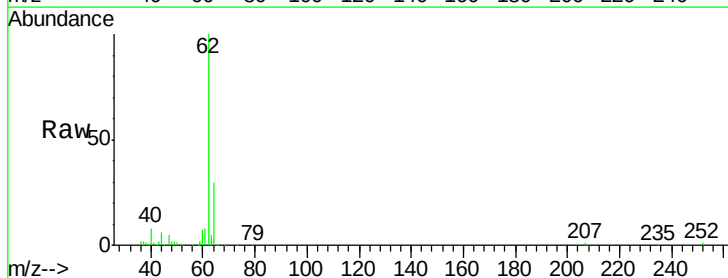
Acq: 20 Feb 2020 11:41

Tgt Ion: 62 Resp: 101716

Ion Ratio Lower Upper

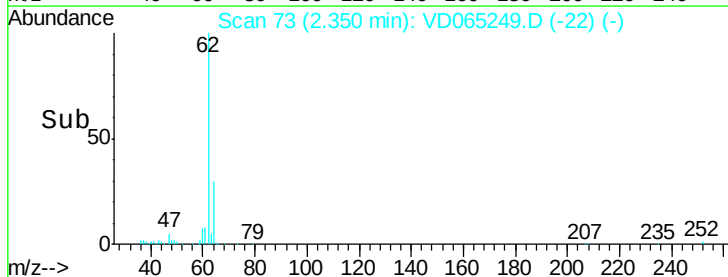
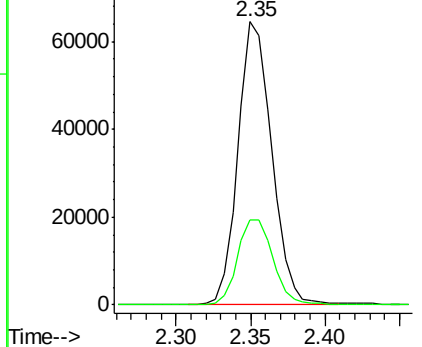
62 100

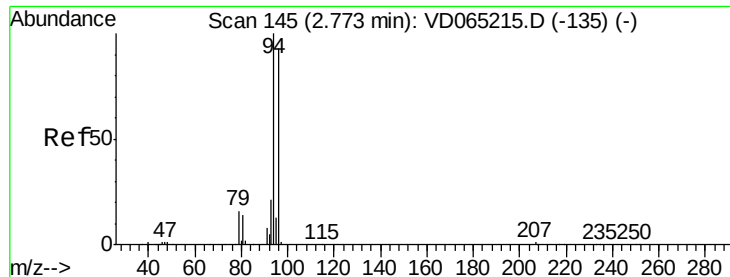
64 29.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.206 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 94 Resp: 64222

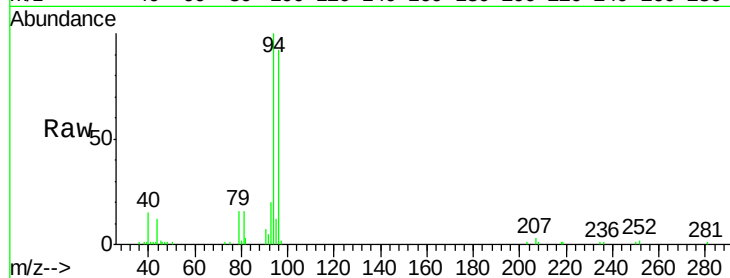
Ion Ratio Lower Upper

94 100

96 92.1 74.2 111.4

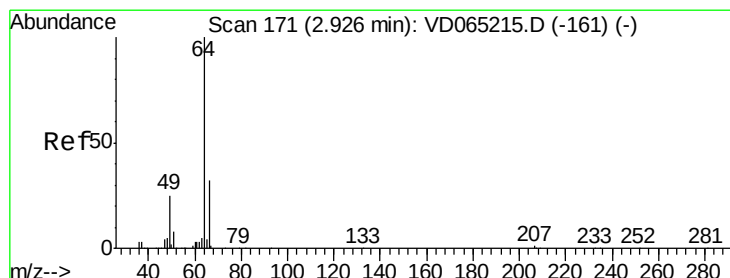
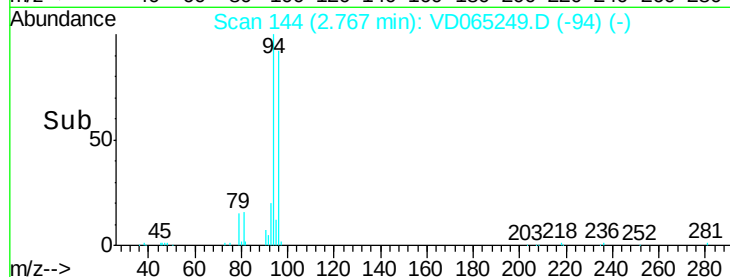
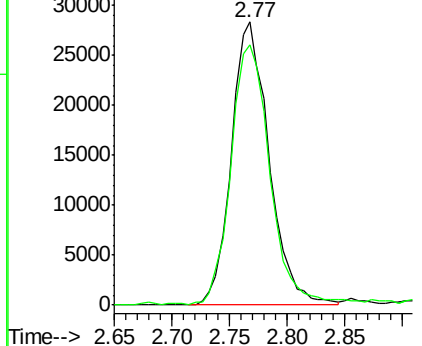
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.965 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065249.D

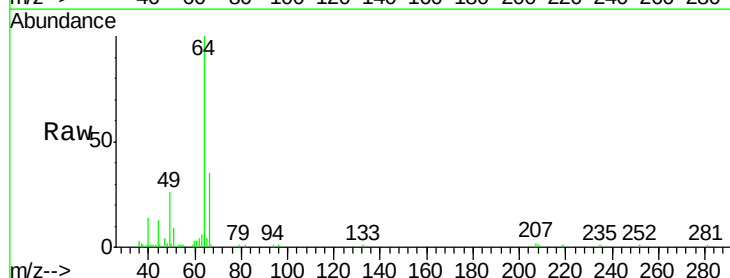
Acq: 20 Feb 2020 11:41

Tgt Ion: 64 Resp: 64063

Ion Ratio Lower Upper

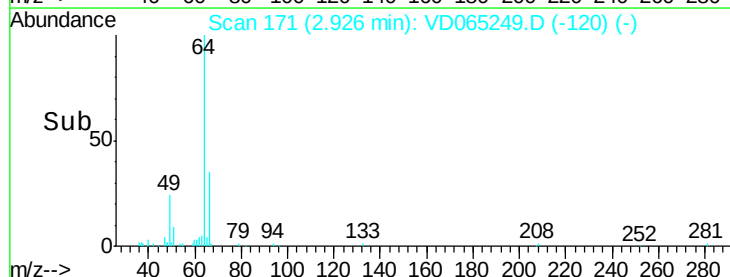
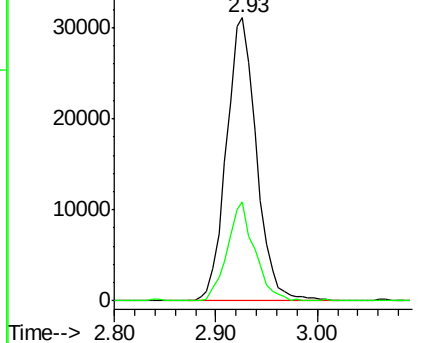
64 100

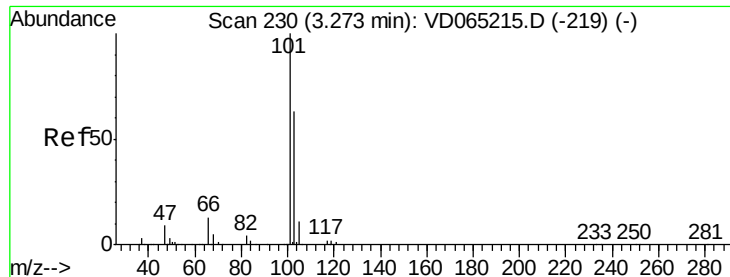
66 34.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

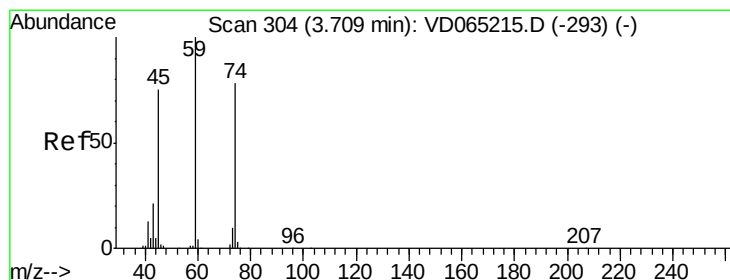
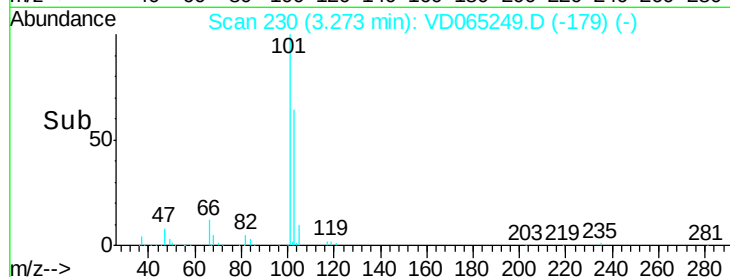
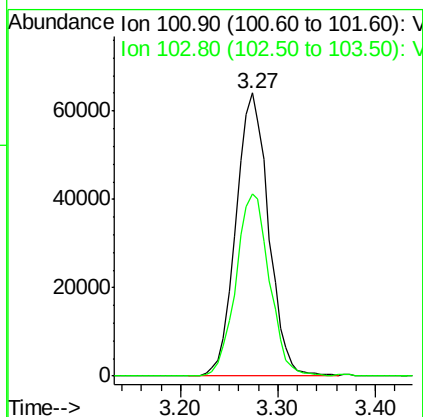
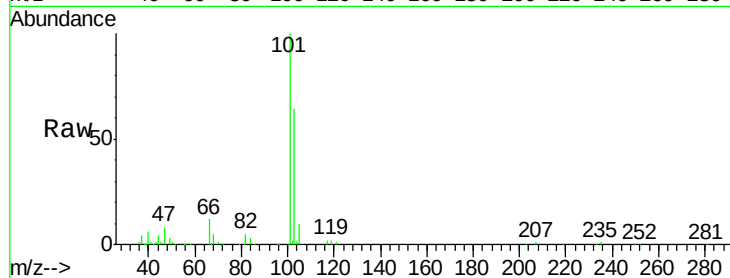
Trichlorofluoromethane
Concen: 19.785 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

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VD0220SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.7	76.1

Manual Integrations
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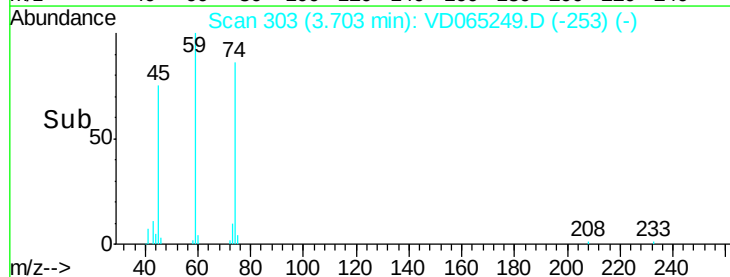
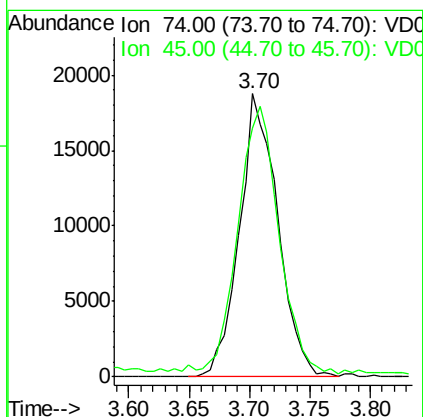
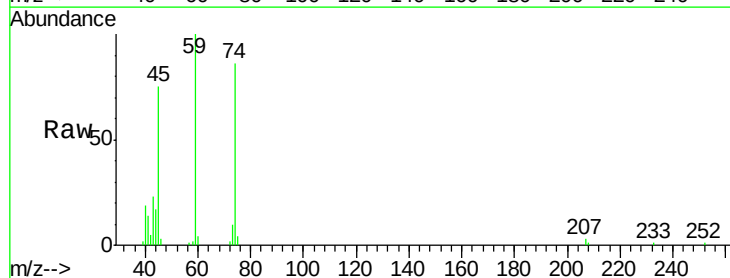
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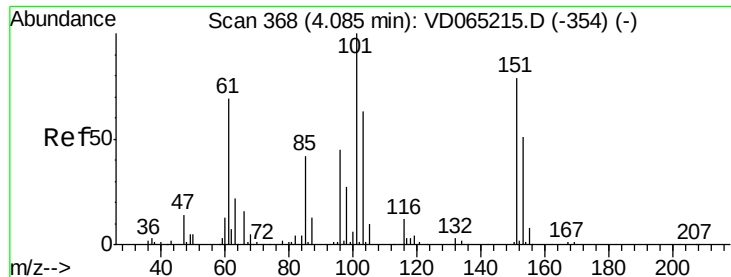


#8

Diethyl Ether
Concen: 18.264 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.551 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

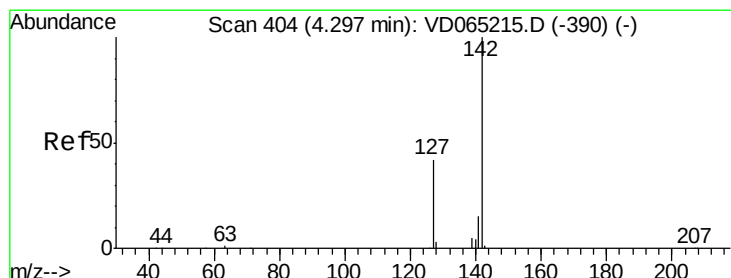
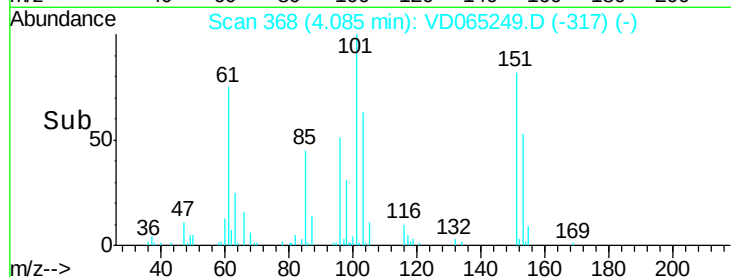
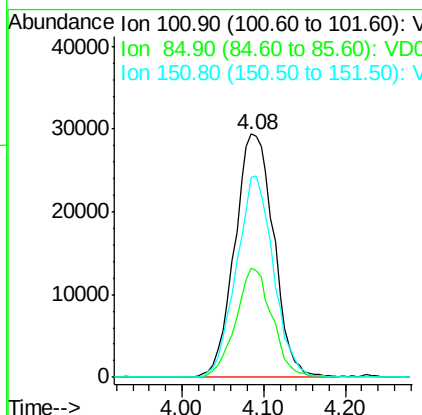
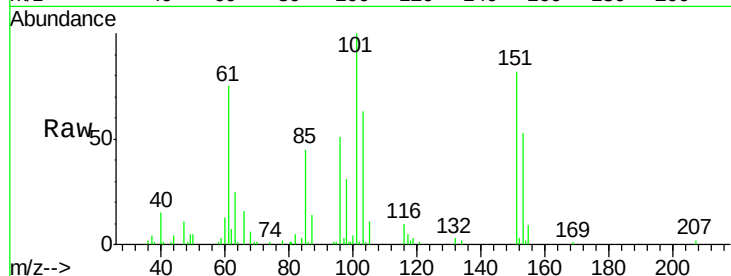
ClientSampleId :

VD0220SBS01

Tot Ion:	101	Resp:	97671
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	78.7	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.390 ug/l

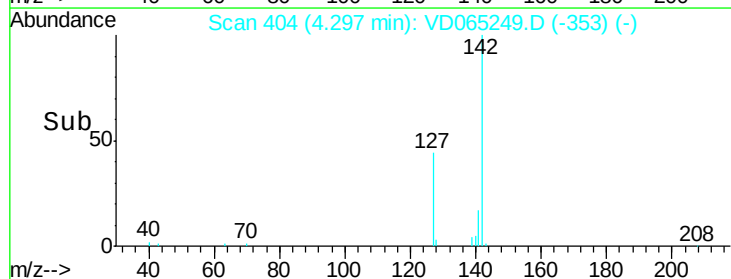
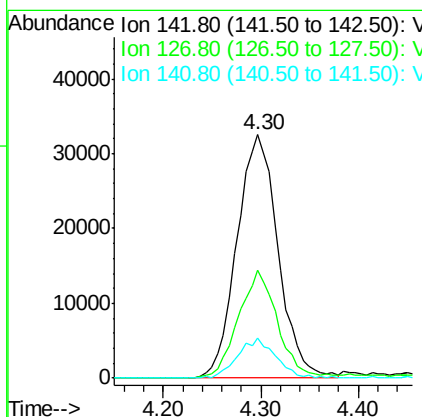
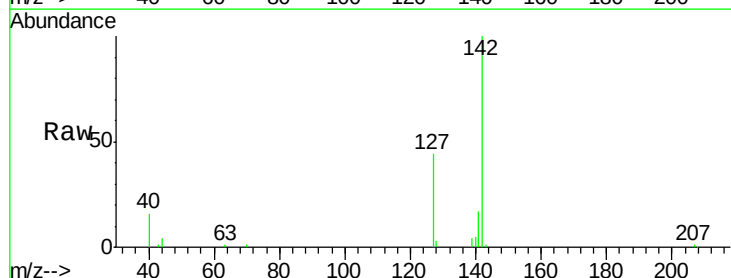
RT: 4.30 min Scan# 404

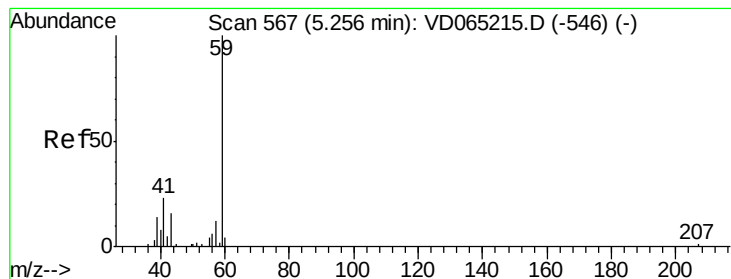
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	142	Resp:	95681
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.8	50.8
141	15.1	11.7	17.5





#11

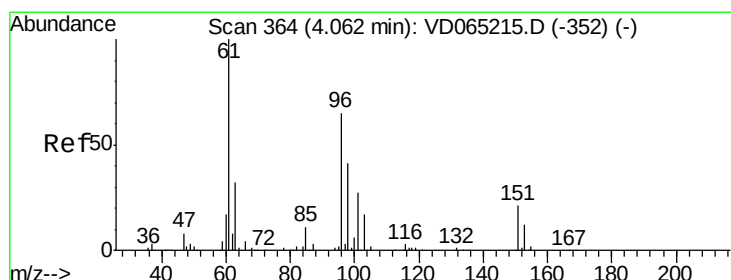
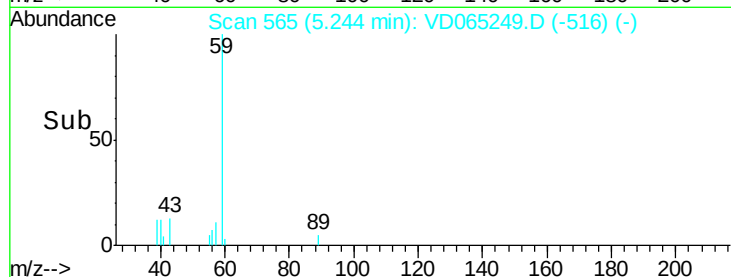
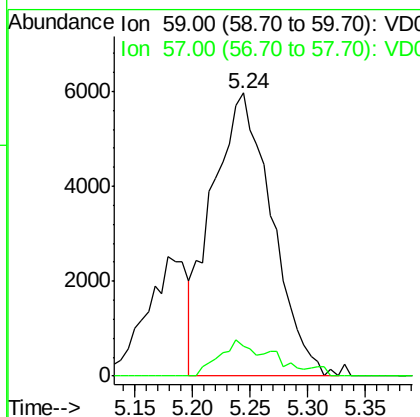
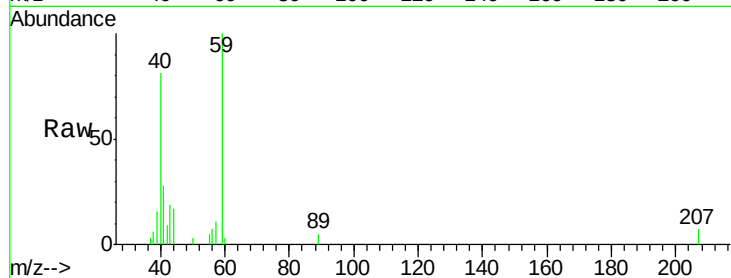
Tert butyl alcohol
Concen: 82.597 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	21501		
57	7.0	8.4	12.6#	

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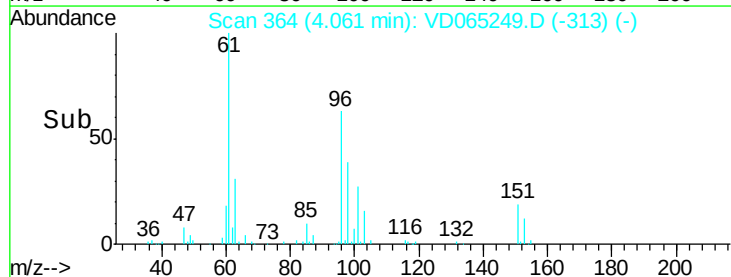
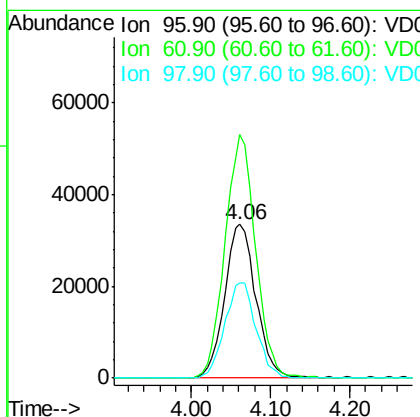
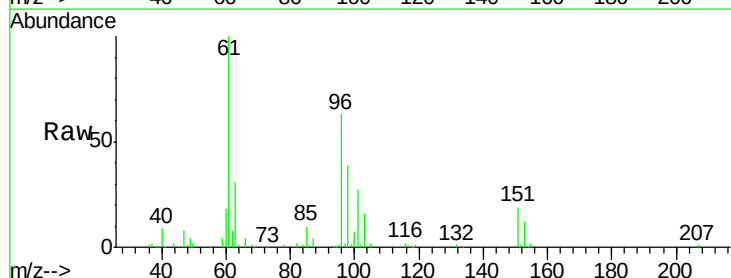
MMDadoda
2/21/2020 3:22:52 PM

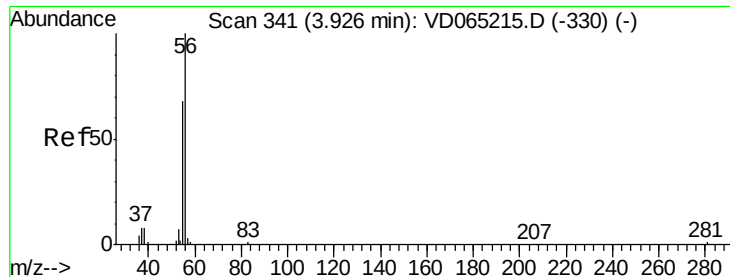


#12

1,1-Dichloroethene
Concen: 20.380 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91496		
61	158.7	123.3	184.9	
98	62.0	51.0	76.4	





#13

Acrolein

Concen: 110.369 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 56 Resp: 40402

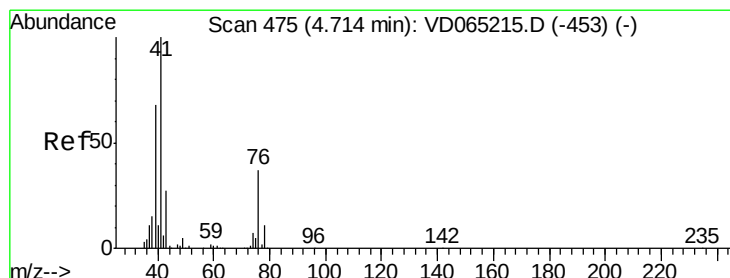
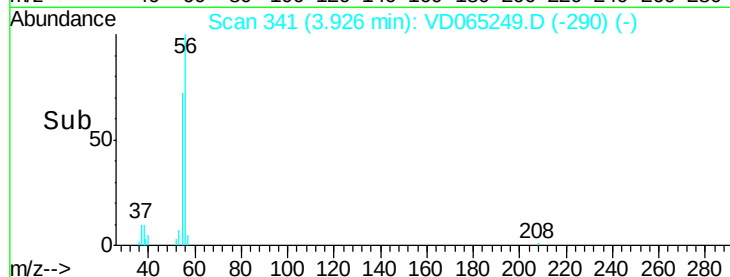
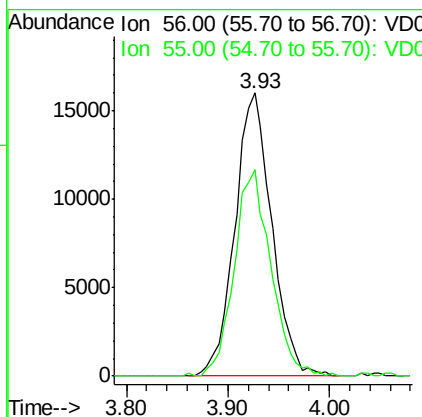
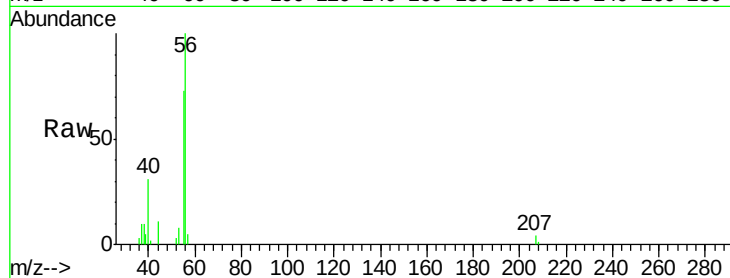
Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.713 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

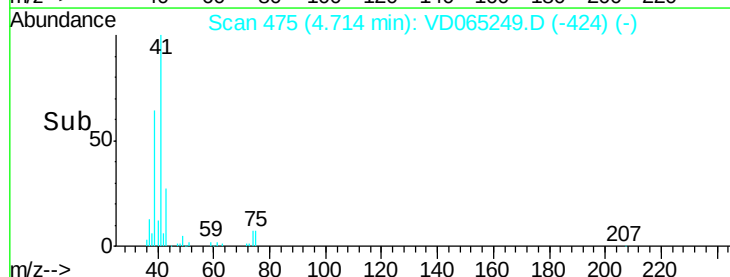
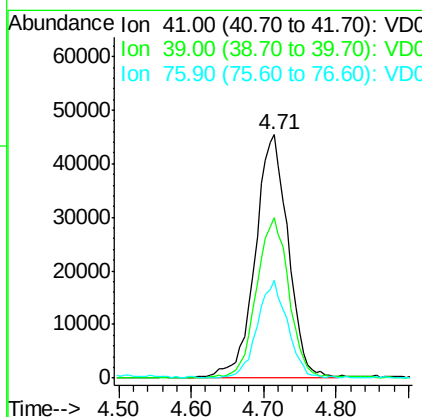
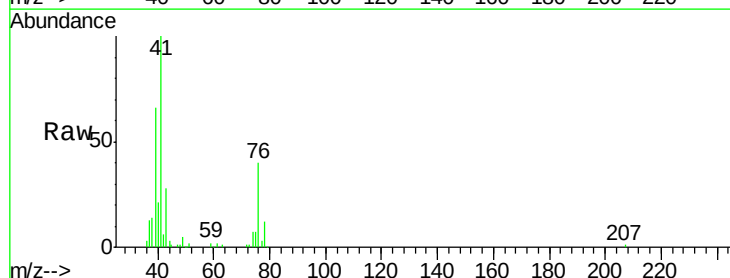
Tgt Ion: 41 Resp: 143721

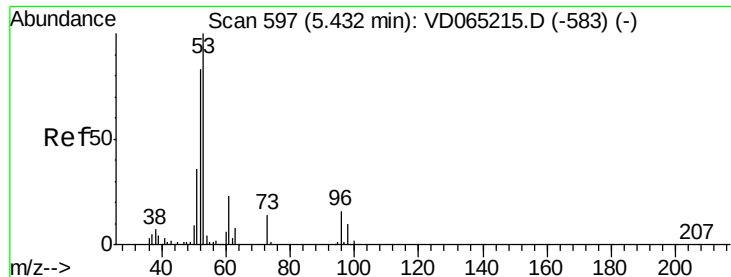
Ion Ratio Lower Upper

41 100

39 64.7 53.8 80.6

76 36.7 28.7 43.1





#15

Acrylonitrile

Concen: 91.044 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

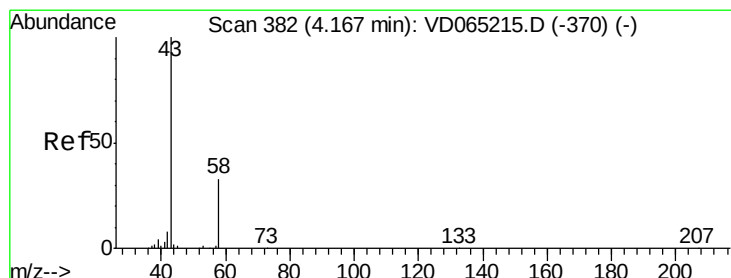
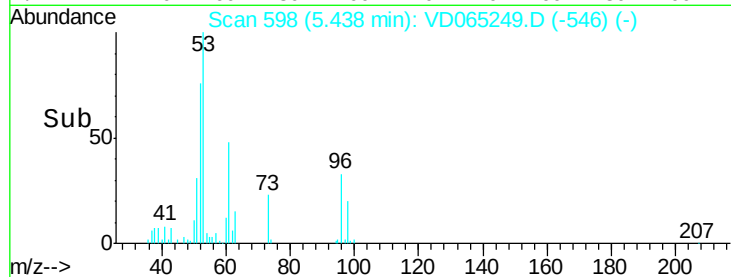
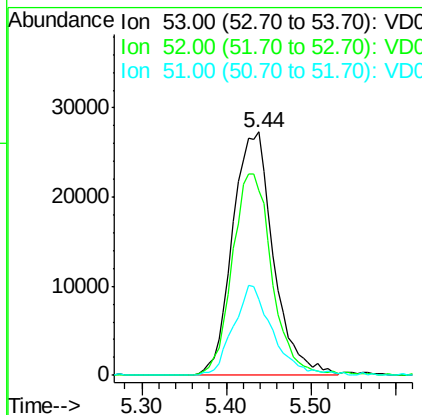
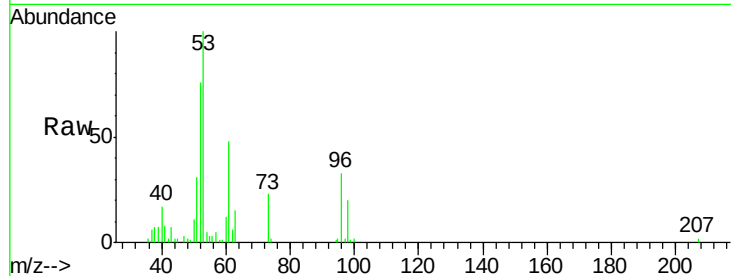
ClientSampleId :

VD0220SBS01

Tot Ion:	53	Resp:	91570
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.4	98.2
51	35.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 81.005 ug/l

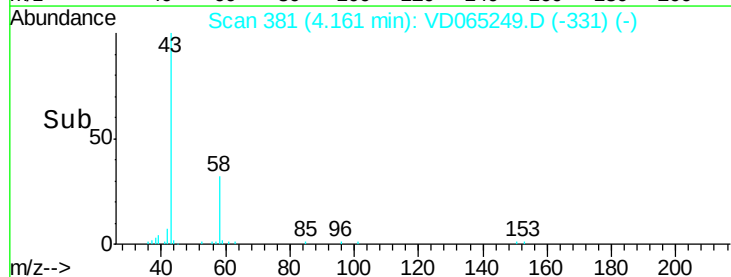
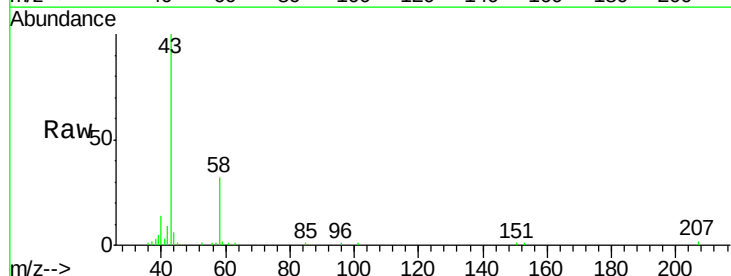
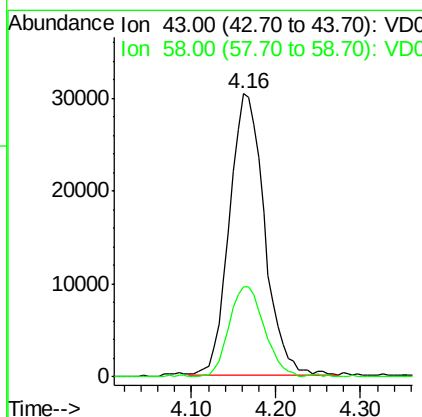
RT: 4.16 min Scan# 381

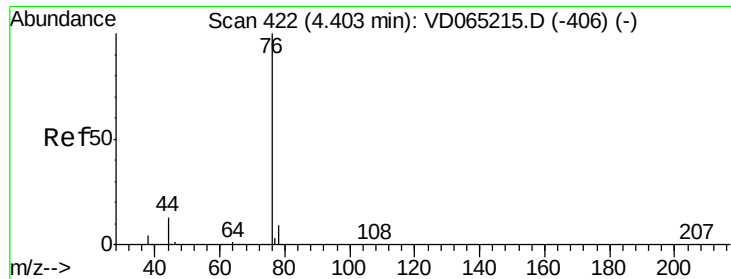
Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	43	Resp:	86260
Ion Ratio	Lower	Upper	
43	100		
58	32.2	26.2	39.2





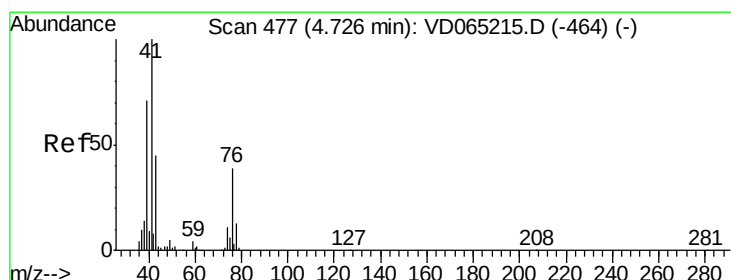
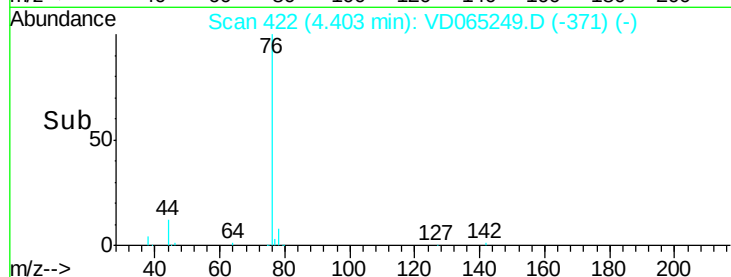
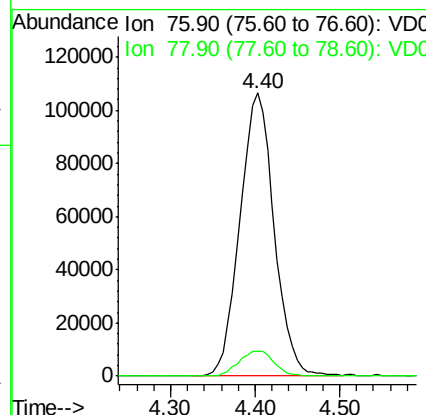
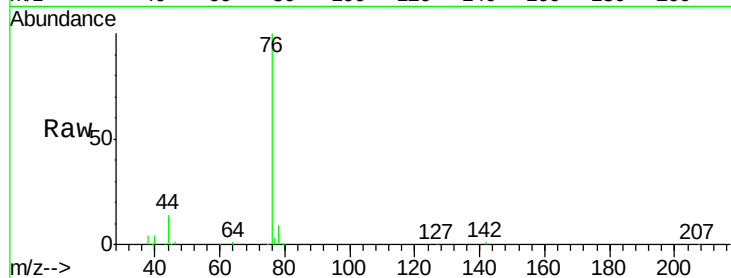
#17
Carbon Disulfide
Concen: 19.852 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	298807		
78	8.9		7.0	10.6

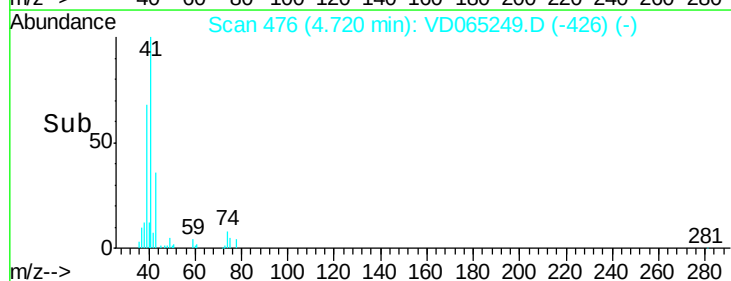
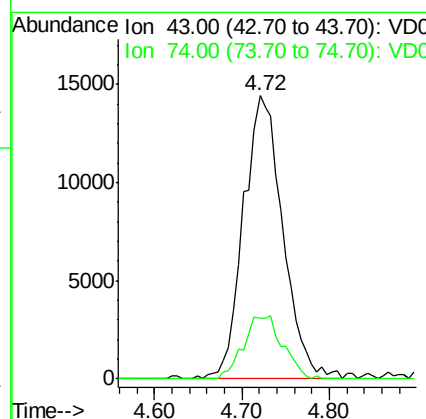
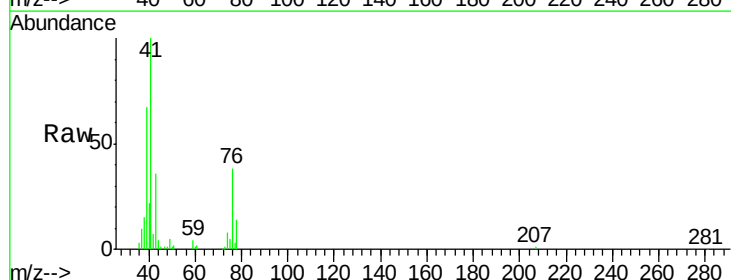
Manual Integrations
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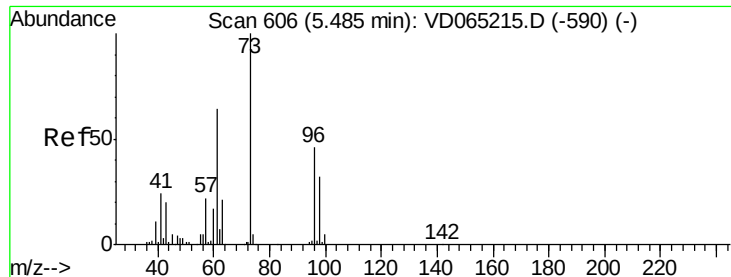
MMDadoda
2/21/2020 3:22:52 PM



#18
Methyl Acetate
Concen: 18.432 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44145		
74	22.0		19.4	29.2





#19

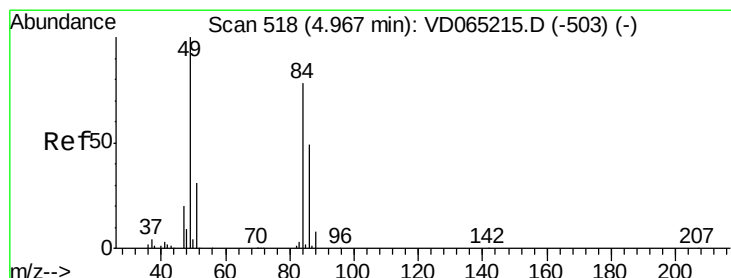
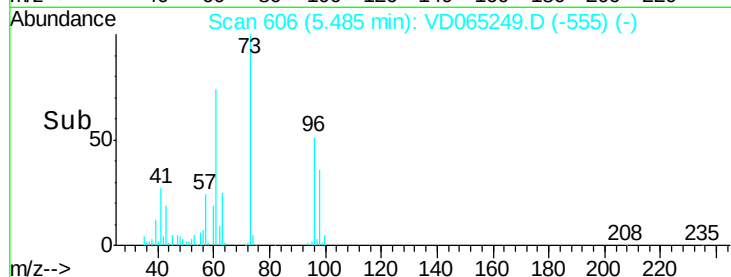
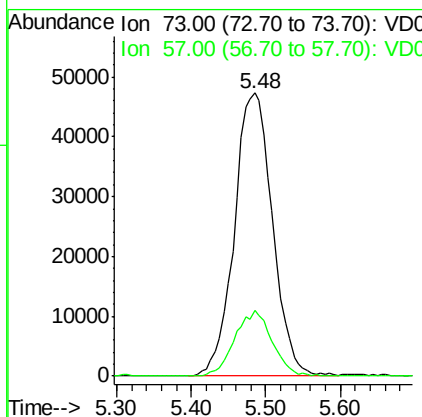
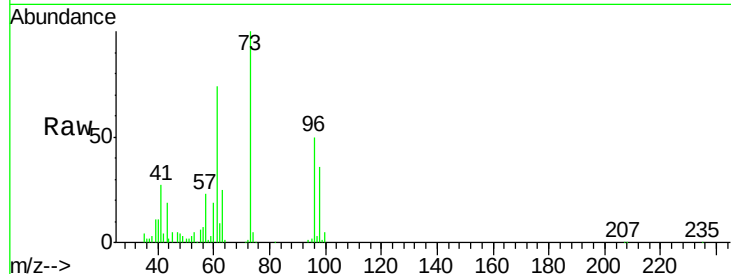
Methyl tert-butyl Ether
 Concen: 17.912 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.3	25.9

Manual Integrations
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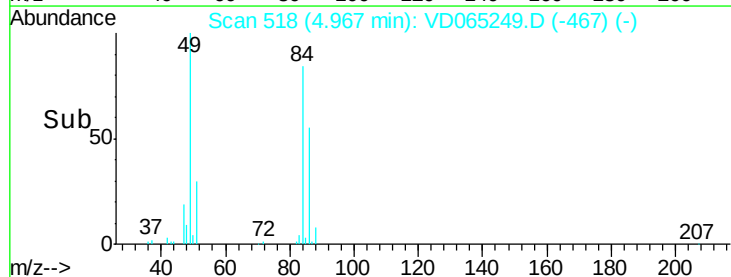
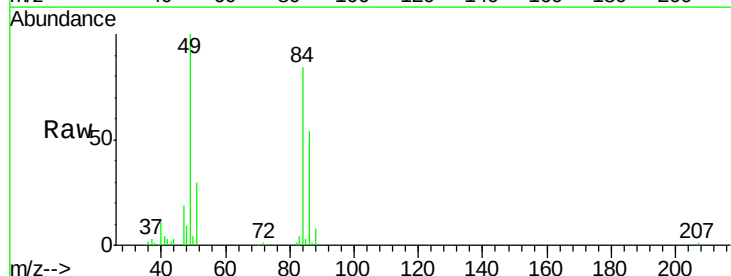
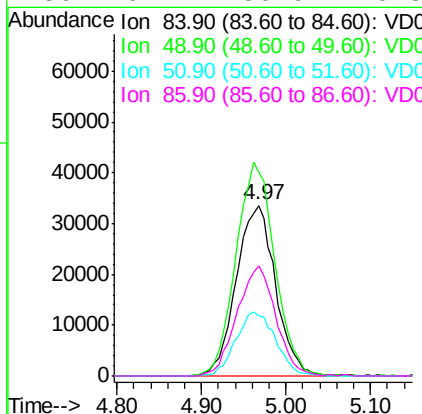
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 2/21/2020 3:22:52 PM

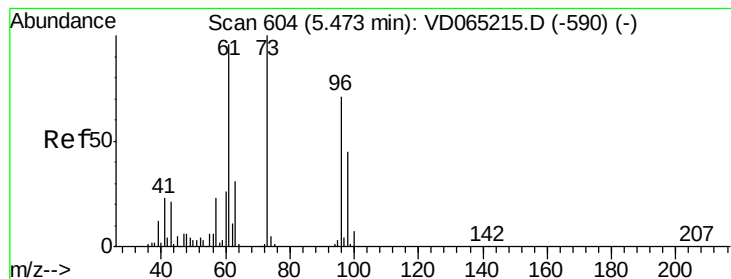


#20

Methylene Chloride
 Concen: 20.136 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	103.1	154.7
51	35.4	31.7	47.5
86	64.7	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.943 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 96 Resp: 101785

Ion Ratio Lower Upper

96 100

61 133.7 108.3 162.5

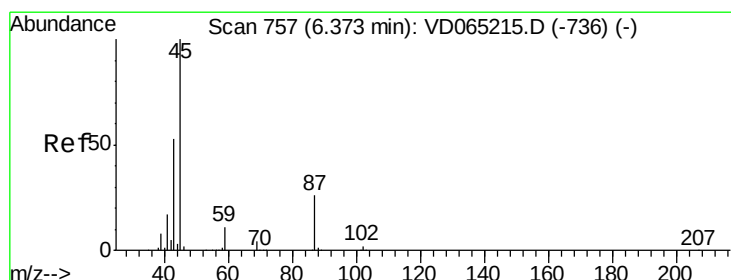
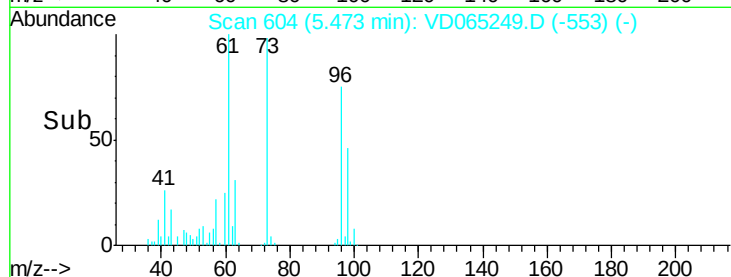
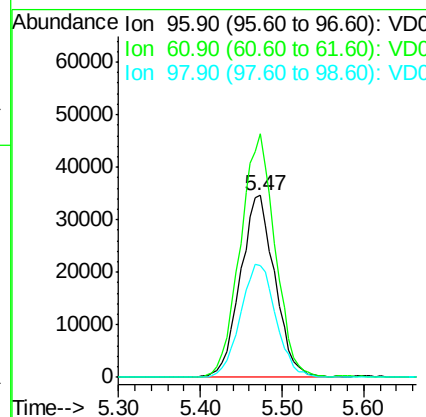
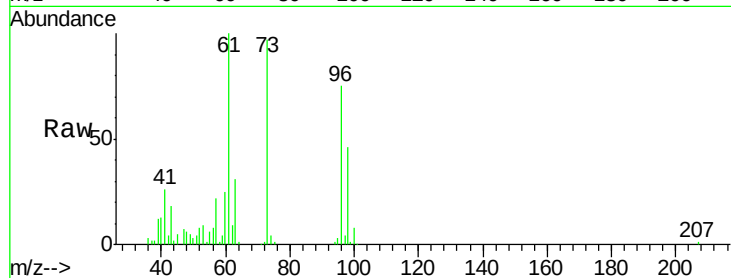
98 61.1 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.563 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion: 45 Resp: 274960

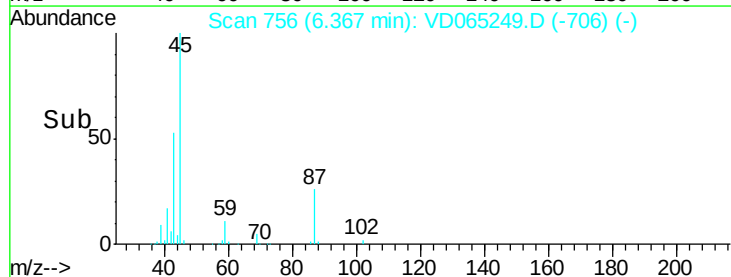
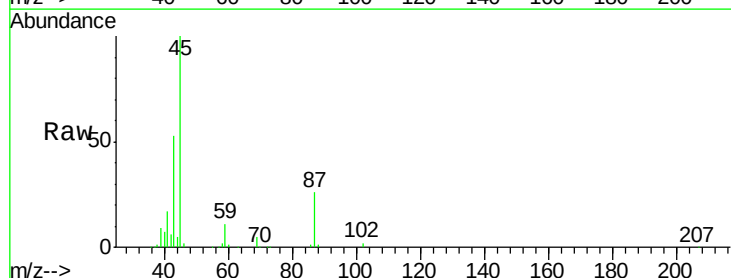
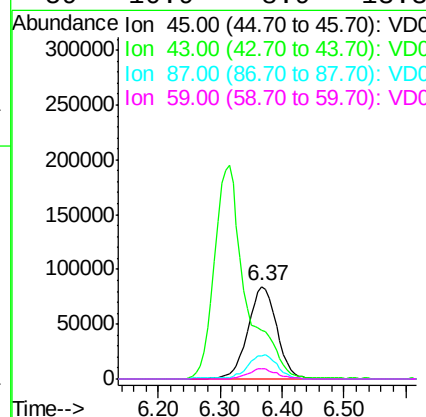
Ion Ratio Lower Upper

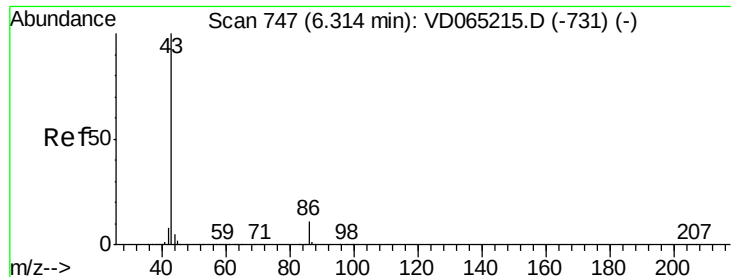
45 100

43 51.8 42.6 64.0

87 25.6 21.2 31.8

59 10.9 8.9 13.3





#23

Vinyl Acetate

Concen: 88.307 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 43 Resp: 684234

Ion Ratio Lower Upper

43 100

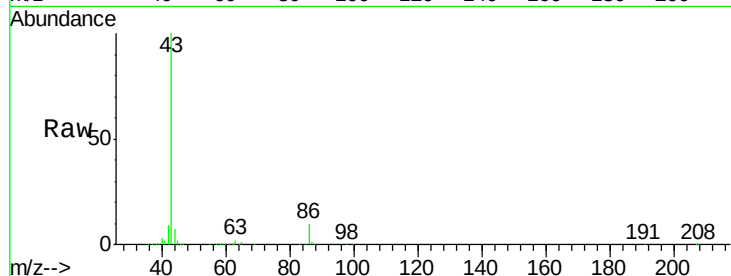
86 9.7 8.6 12.8

Manual Integrations

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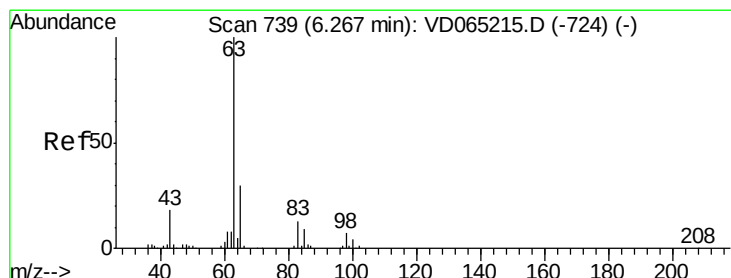
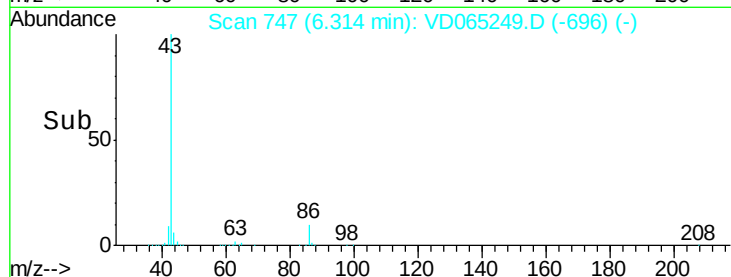
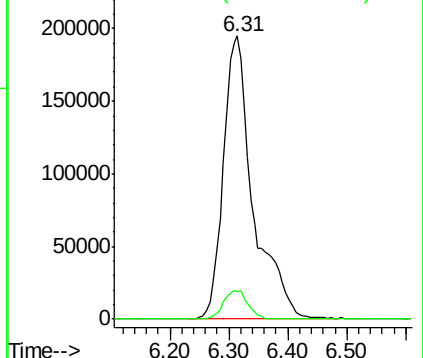
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.776 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

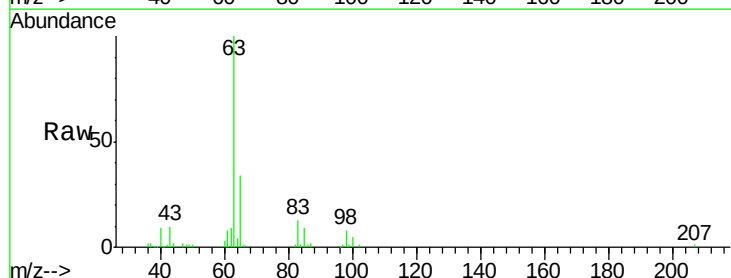
Tgt Ion: 63 Resp: 172402

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

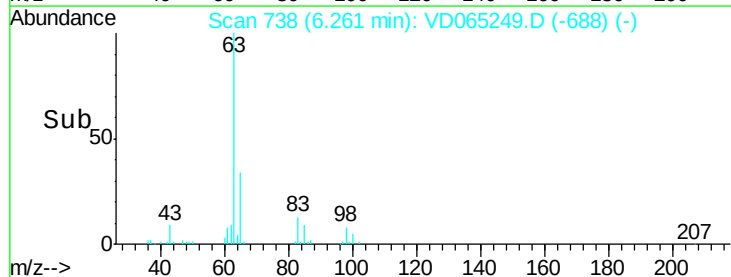
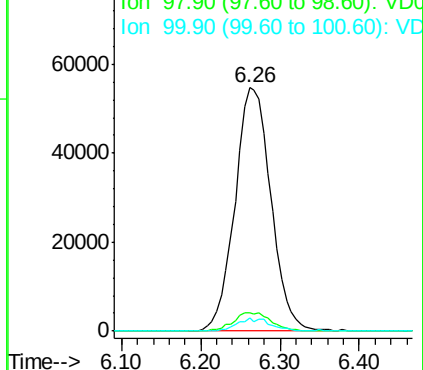
100 5.5 2.3 6.8

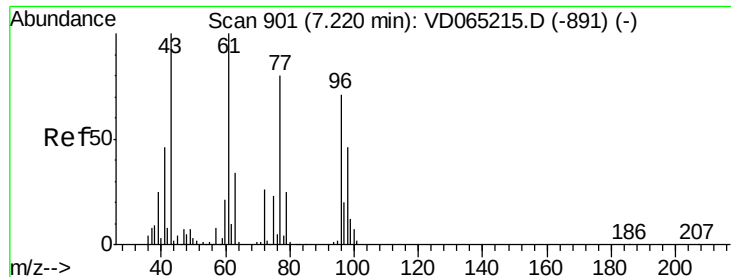


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 83.126 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 43 Resp: 111996

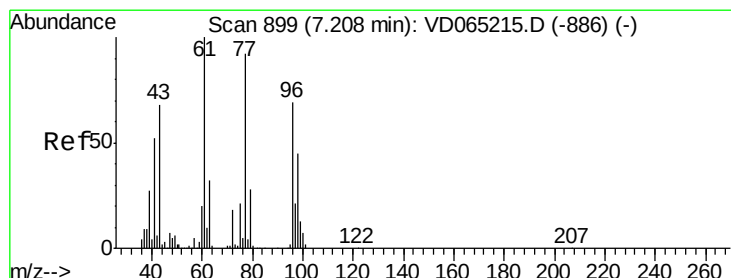
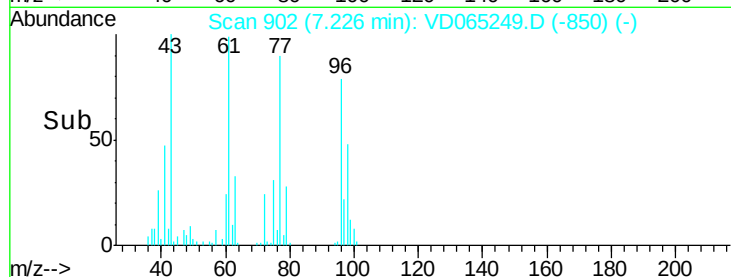
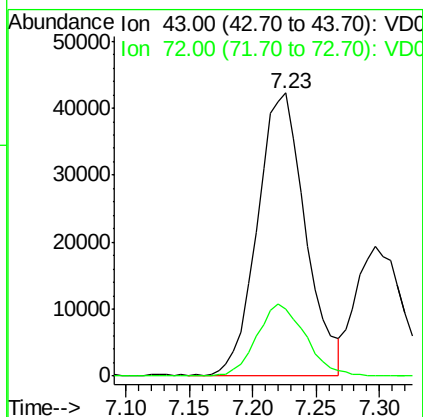
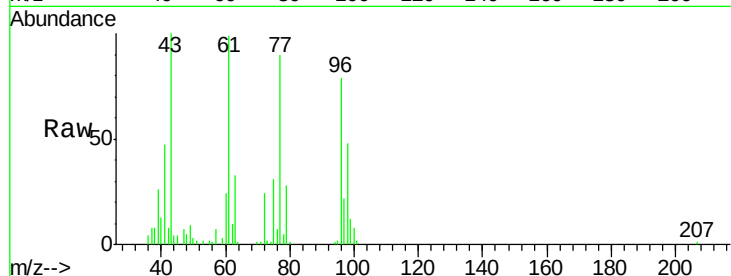
Ion Ratio Lower Upper

43 100

72 23.7 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.960 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065249.D

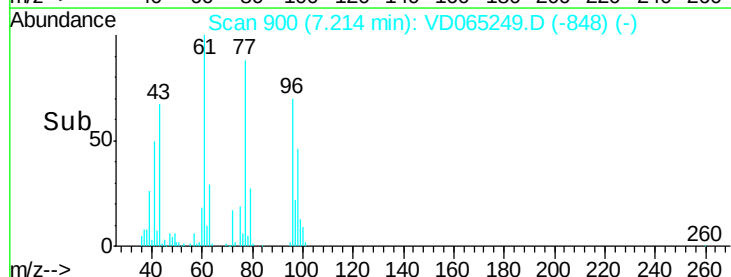
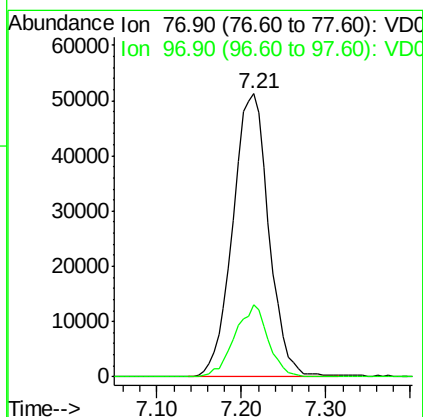
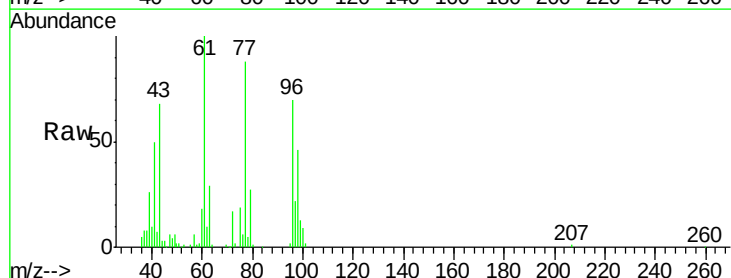
Acq: 20 Feb 2020 11:41

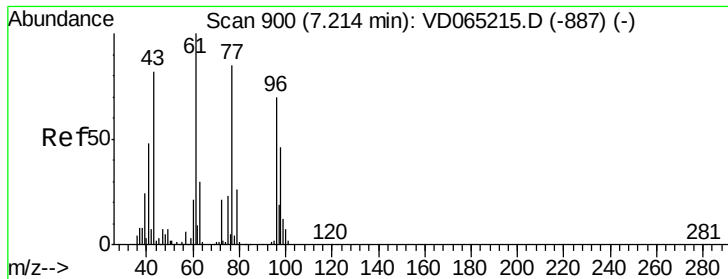
Tgt Ion: 77 Resp: 150971

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

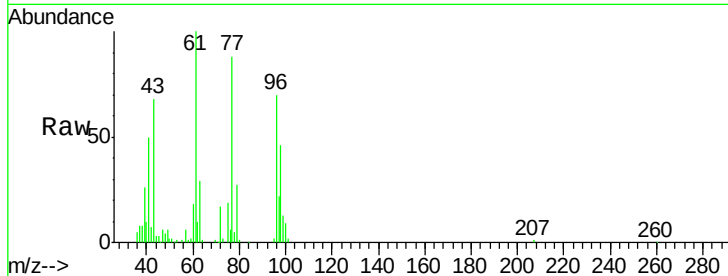
cis-1,2-Dichloroethene
Concen: 19.652 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106242		
61	140.1	0.0	286.0	
98	65.2	0.0	127.8	

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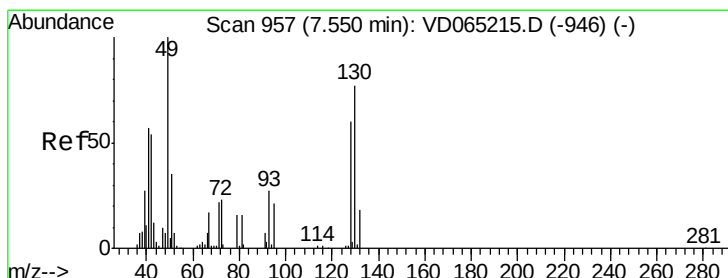
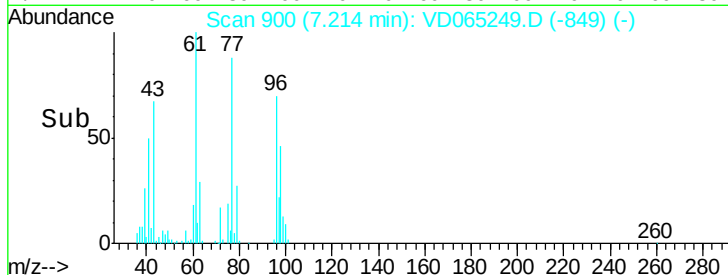
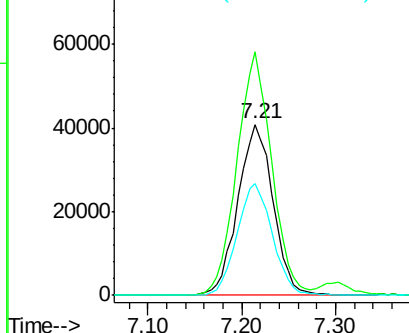


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

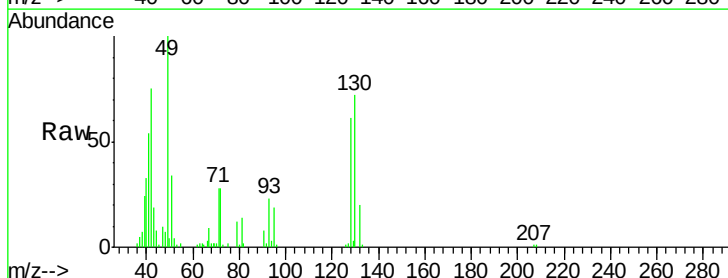
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane
Concen: 17.819 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57632		
129	2.5	0.0	4.6	
130	81.8	64.7	97.1	

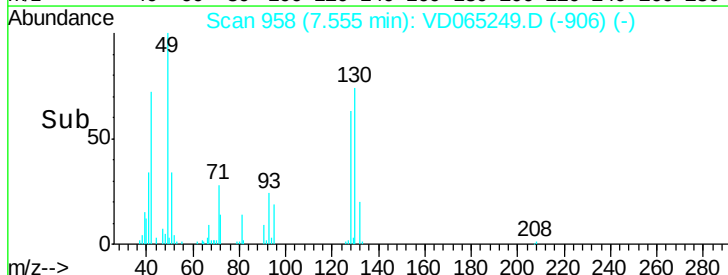
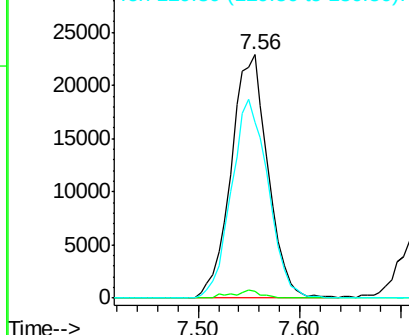


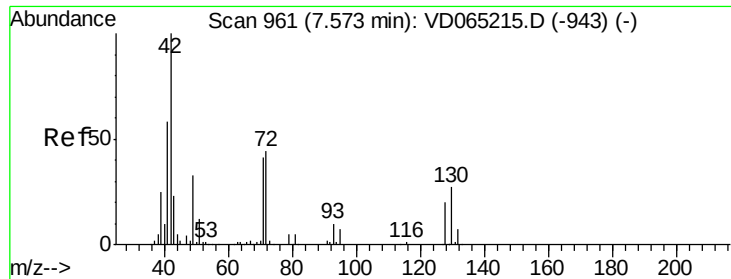
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





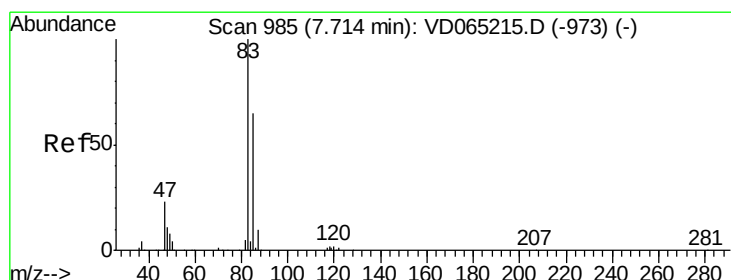
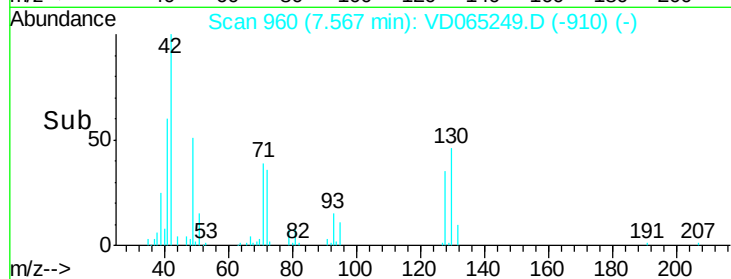
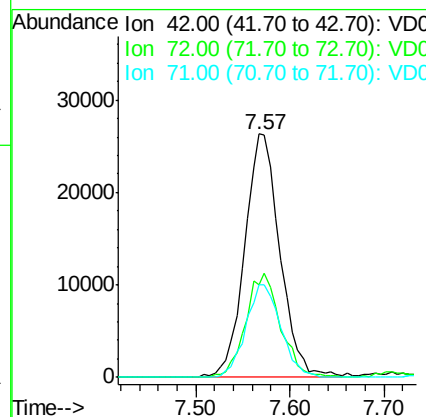
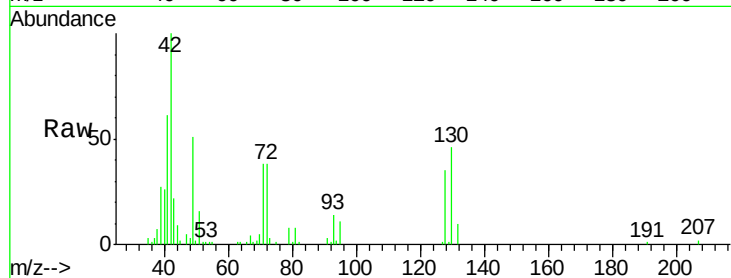
#29
Tetrahydrofuran
Concen: 86.770 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	37.7	31.4	47.2

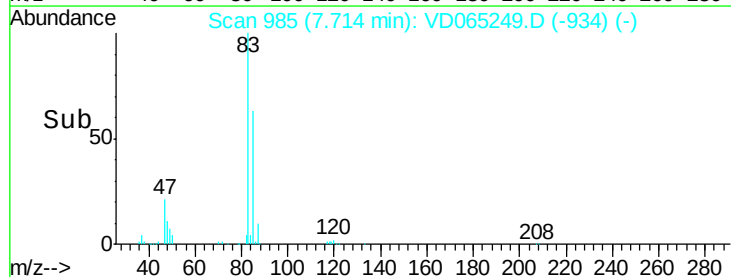
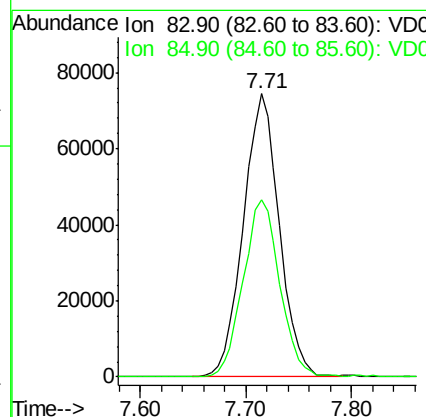
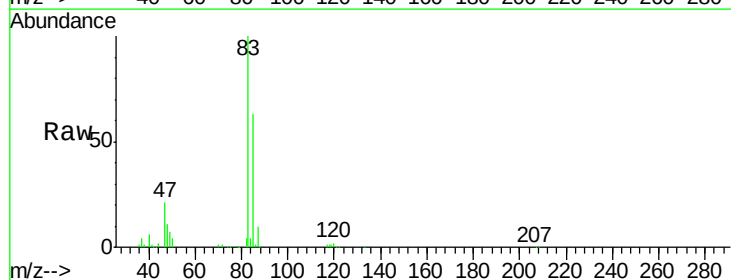
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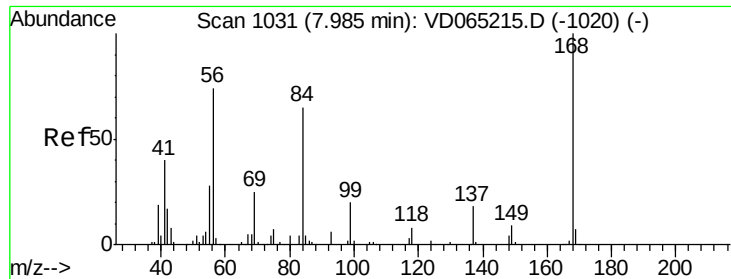
MMDadoda
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#30
Chloroform
Concen: 20.050 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5





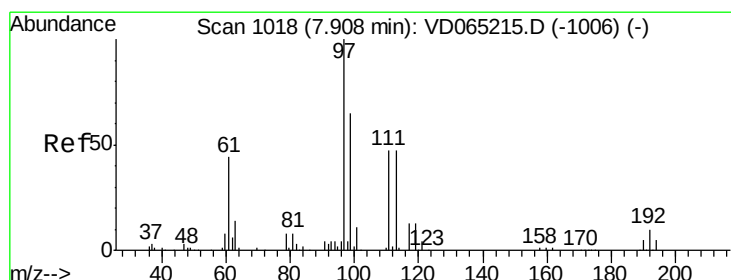
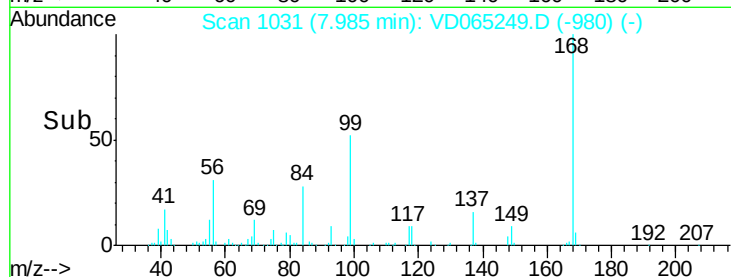
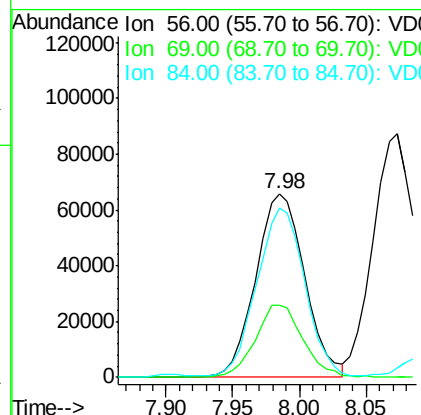
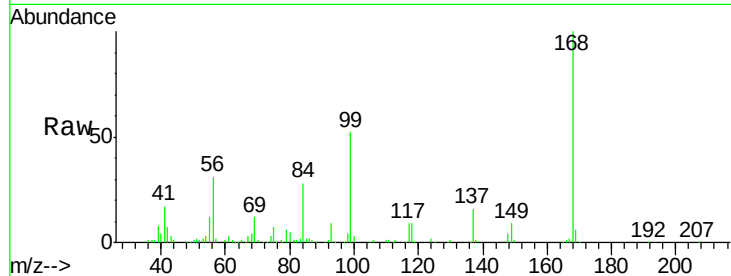
#31
Cyclohexane
Concen: 19.571 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.4	41.0
84	90.7	71.1	106.7

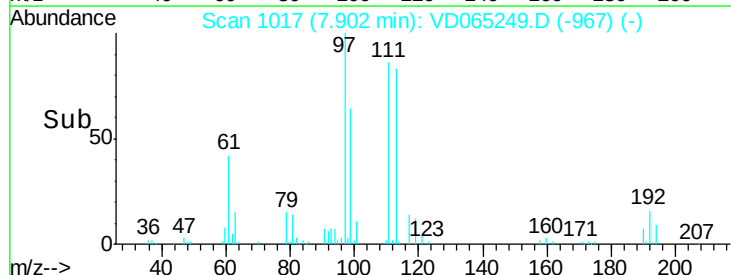
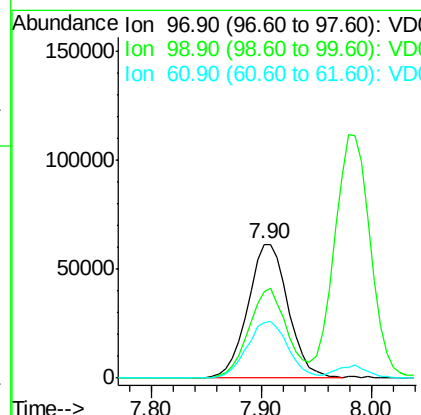
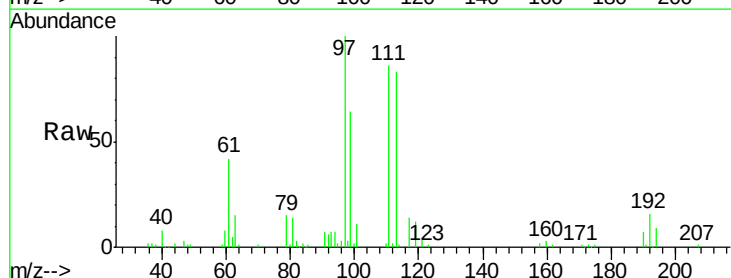
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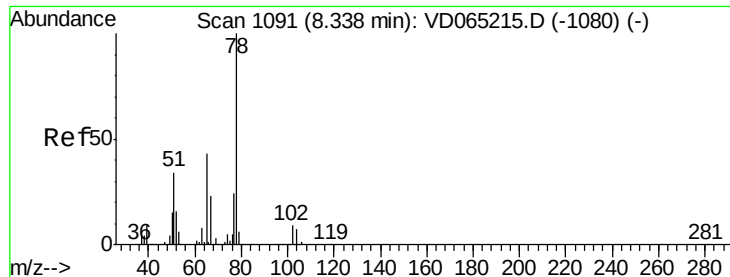
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.997 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	43.4	34.8	52.2





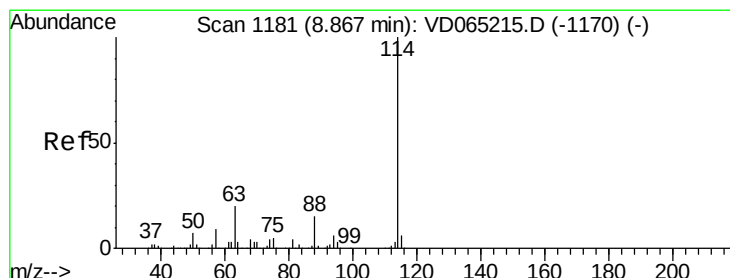
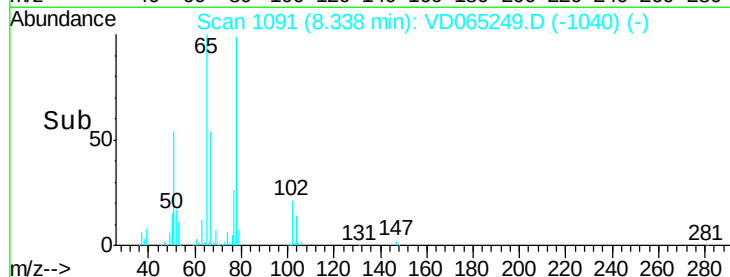
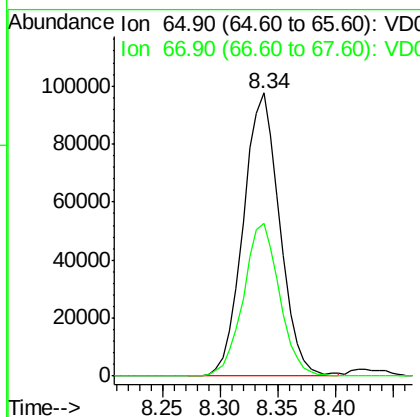
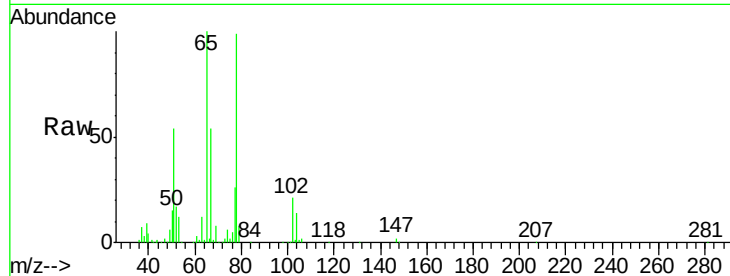
#33
 1,2-Dichloroethane-d4
 Concen: 49.123 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	106.8	

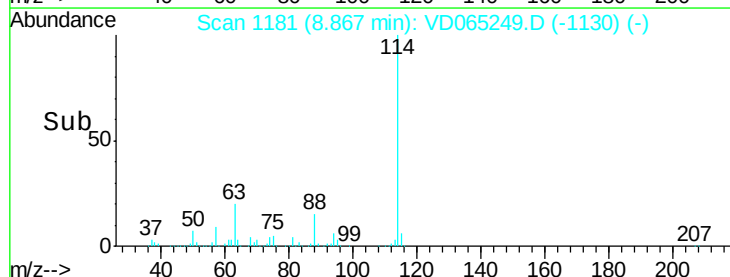
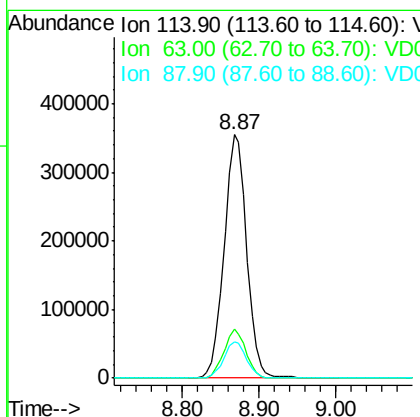
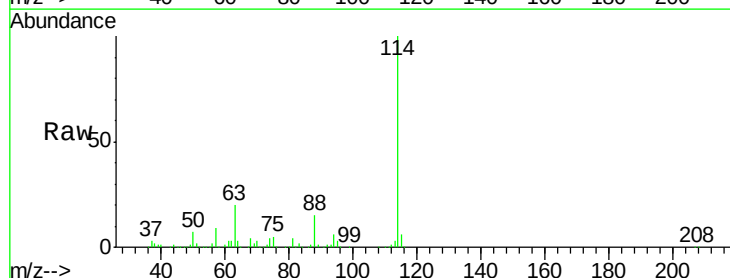
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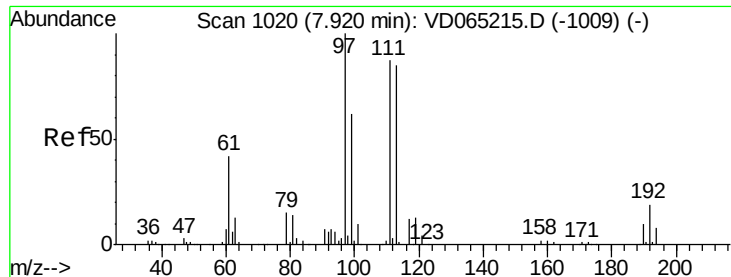
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	39.4	
88	14.8	0.0	30.4	





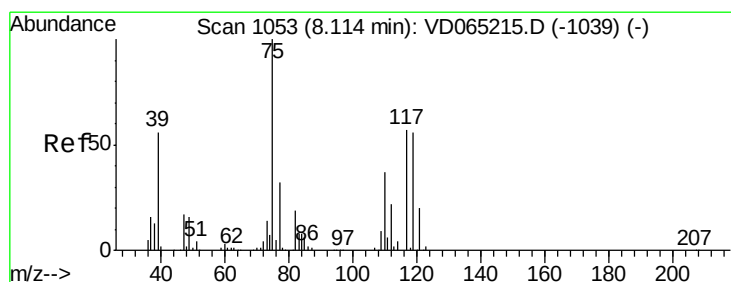
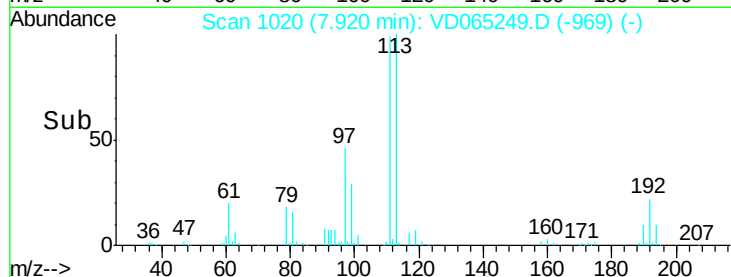
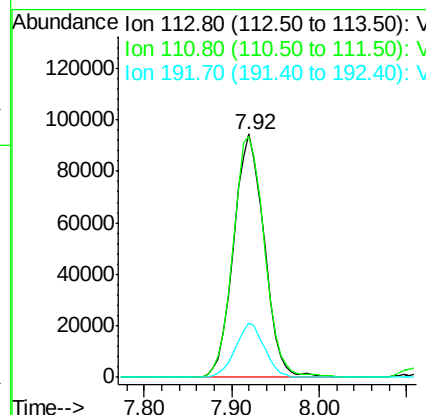
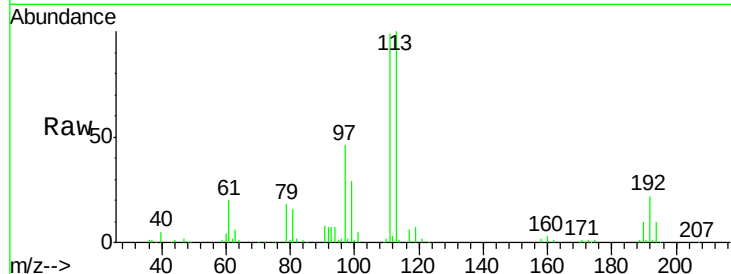
#35
 Dibromofluoromethane
 Concen: 50.813 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223832		
111	101.8	82.9	124.3	
192	21.0	17.3	25.9	

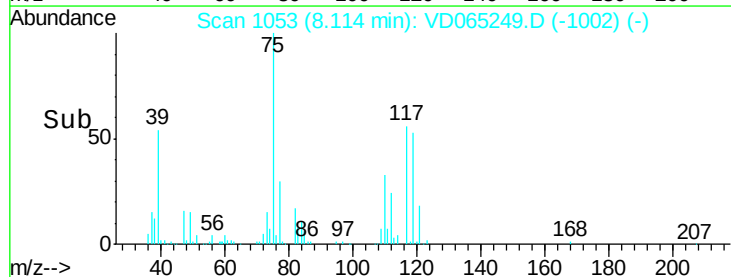
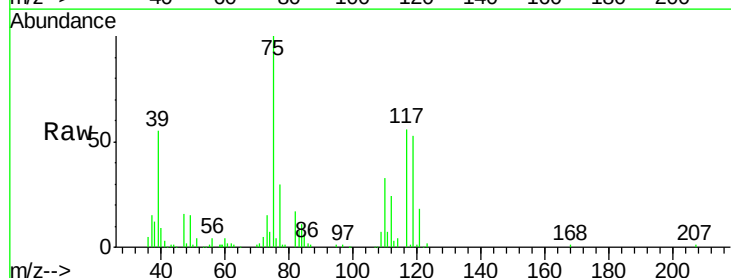
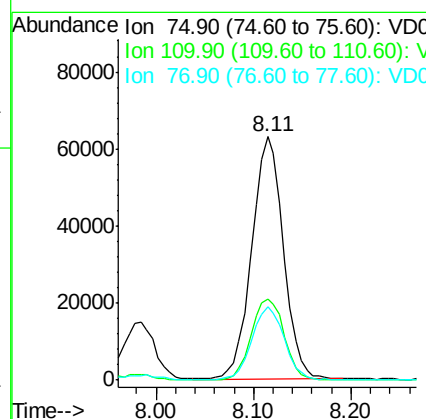
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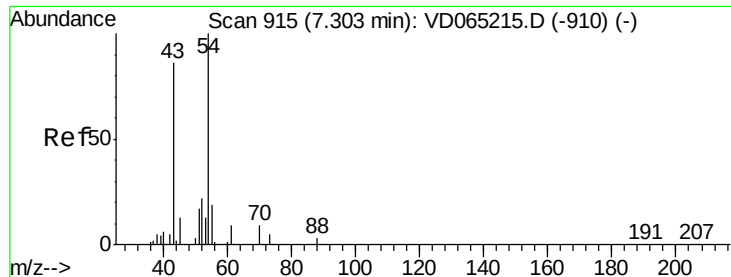
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.275 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142521		
110	35.1	17.9	53.7	
77	31.3	25.1	37.7	





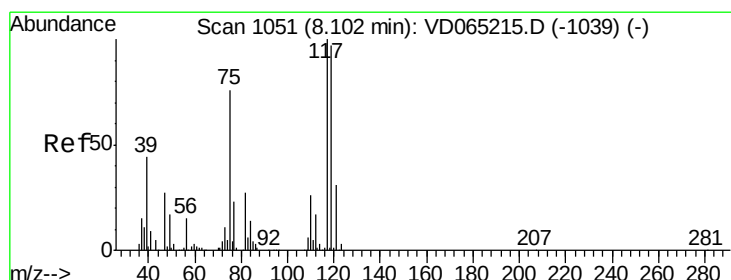
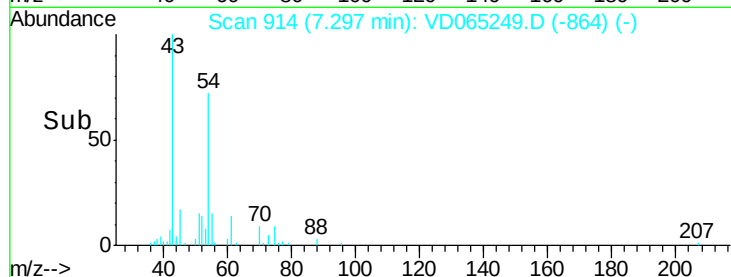
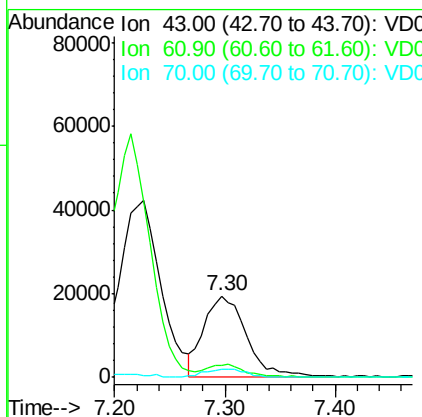
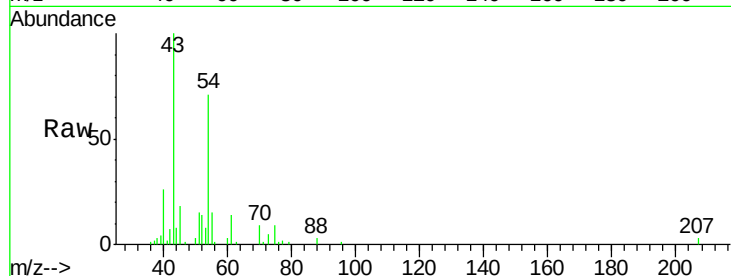
#37
Ethyl Acetate
Concen: 17.572 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	10.1	8.2	12.2

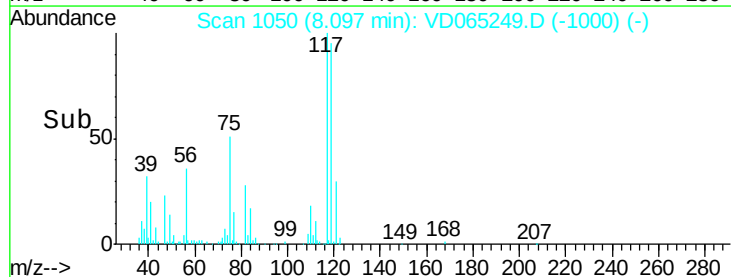
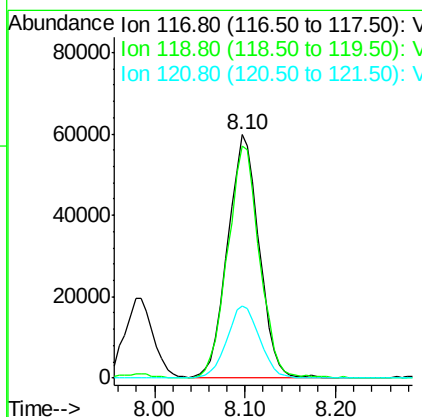
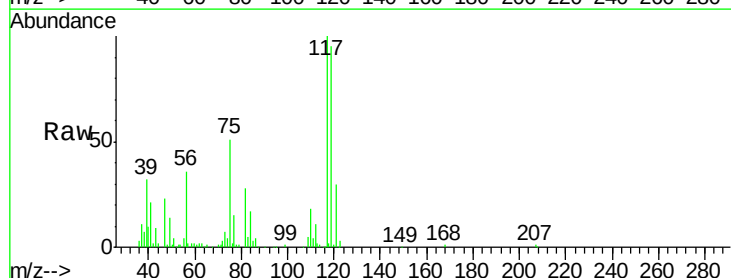
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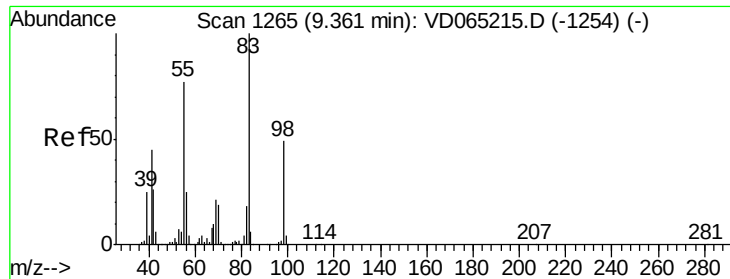
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#38
Carbon Tetrachloride
Concen: 20.213 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.6	116.4
121	29.8	24.8	37.2





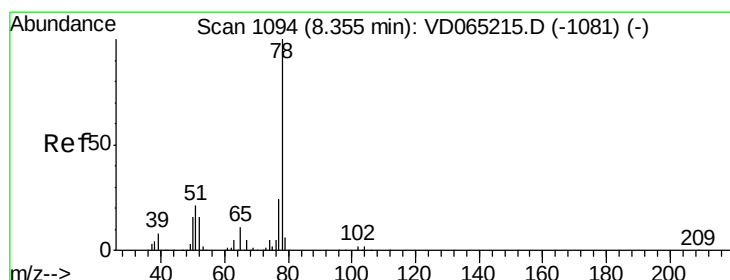
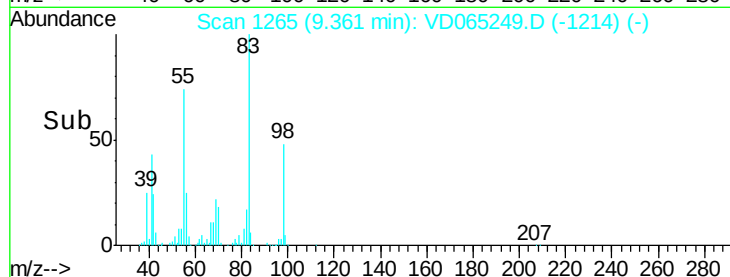
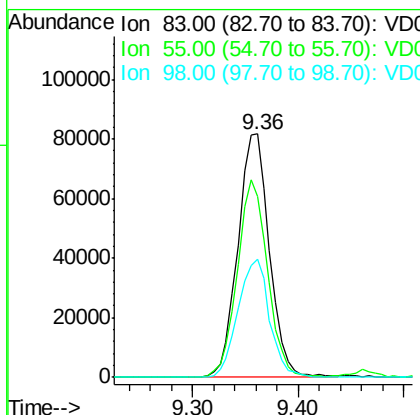
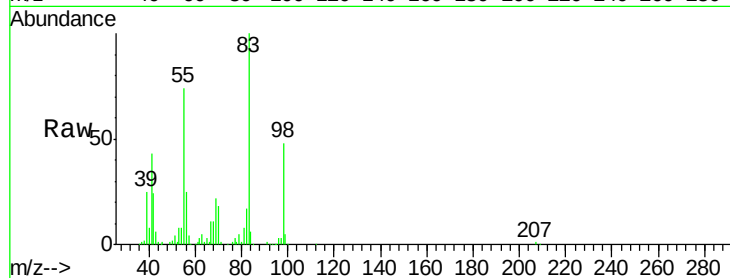
#39
Methylvlcyclohexane
Concen: 20.410 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.8	92.6
98	48.3	39.4	59.0

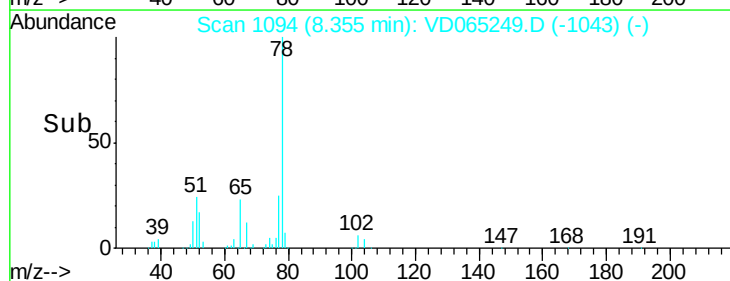
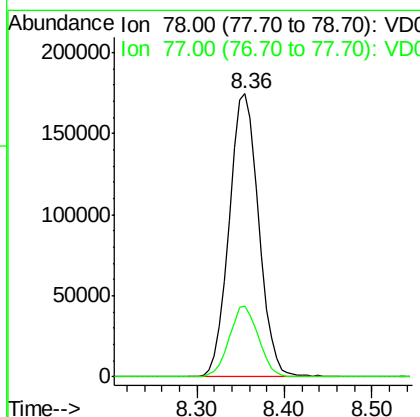
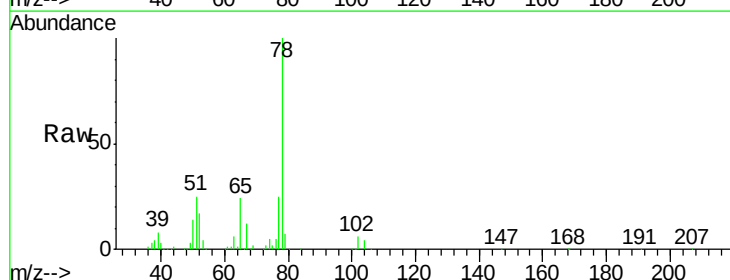
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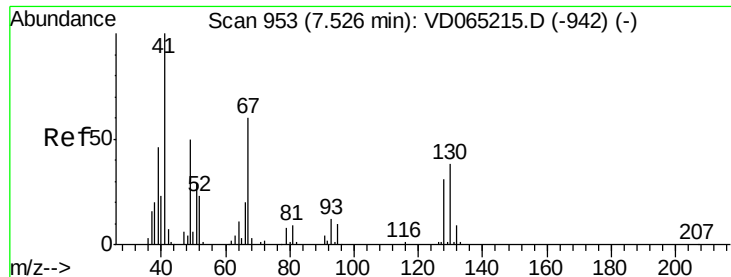
MMDadoda
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#40
Benzene
Concen: 20.208 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.6





#41

Methacrylonitrile

Concen: 16.702 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

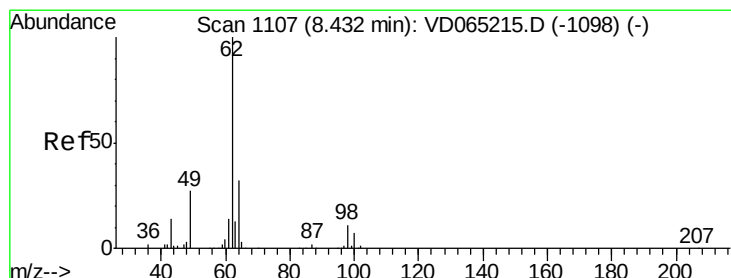
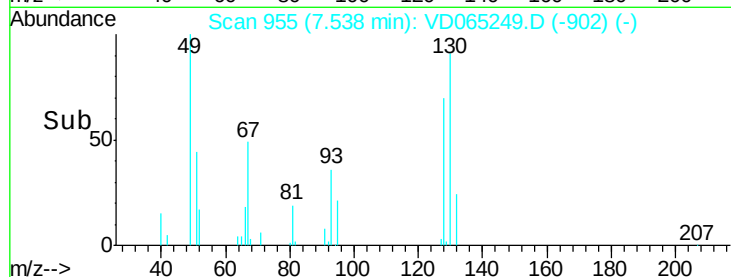
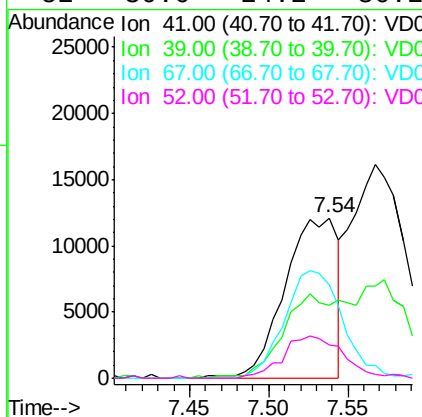
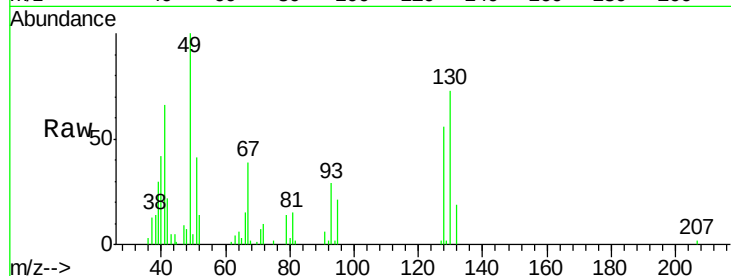
ClientSampleId :

VD0220SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.6	48.1	72.1#
67	73.9	58.9	88.3
52	30.0	24.2	36.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.845 ug/l

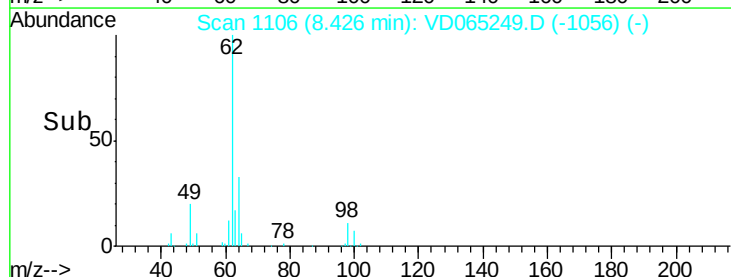
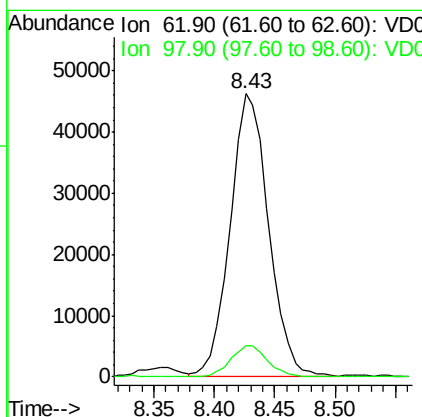
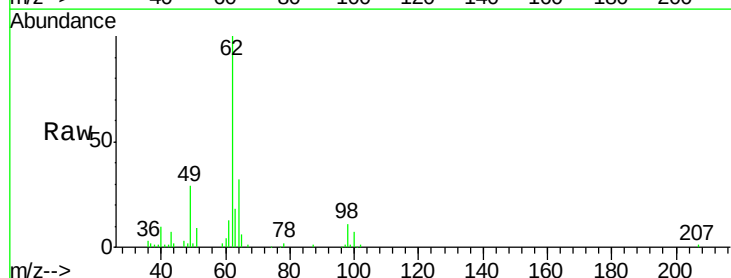
RT: 8.43 min Scan# 1106

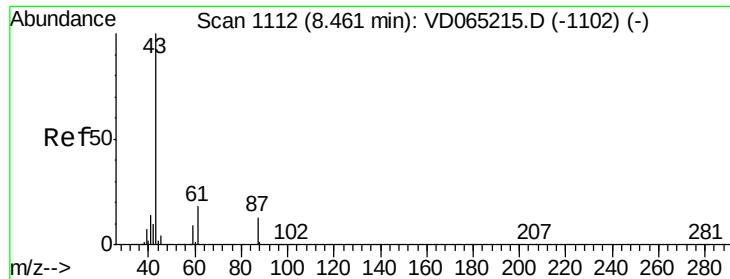
Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 17.367 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

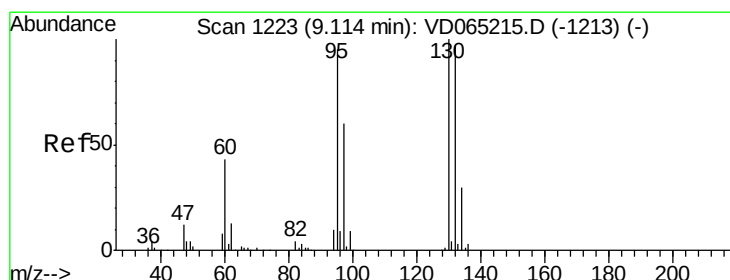
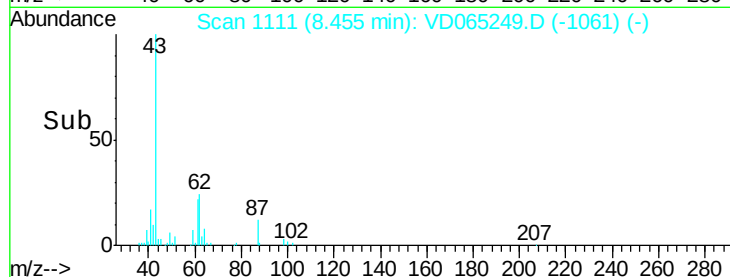
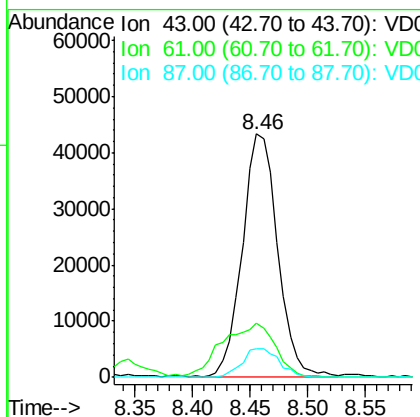
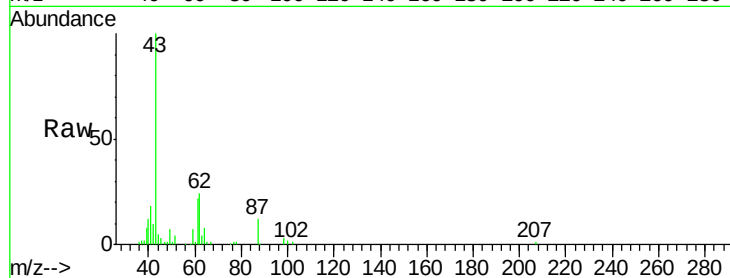
ClientSampleId :

VD0220SBS01

Tot Ion:	43	Resp:	92807
Ion	Ratio	Lower	Upper
43	100		
61	33.0	24.6	36.8
87	12.2	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.736 ug/l

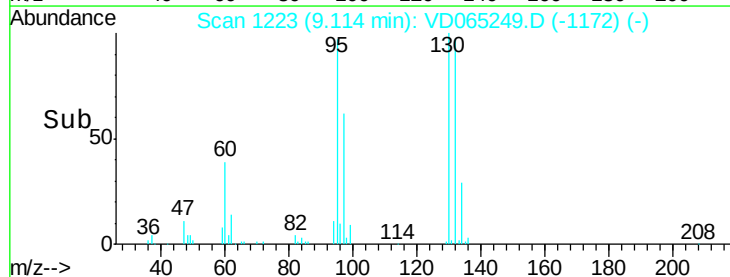
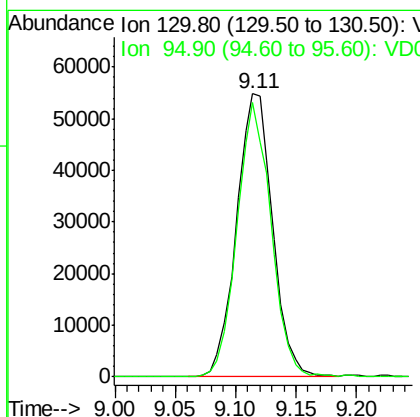
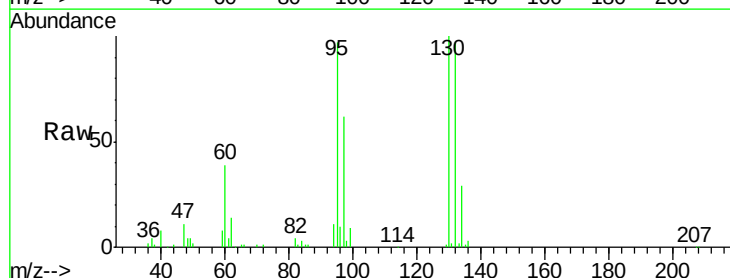
RT: 9.11 min Scan# 1223

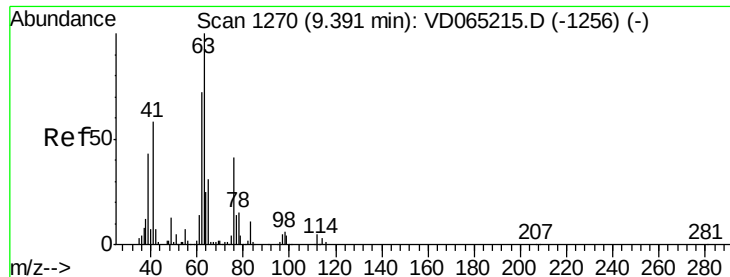
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	130	Resp:	114045
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	190.6





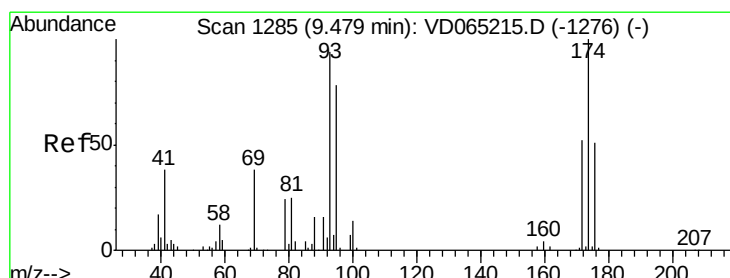
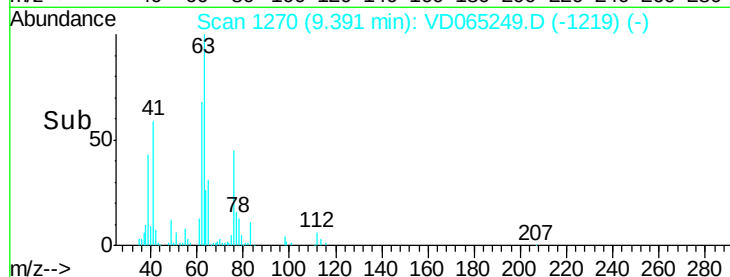
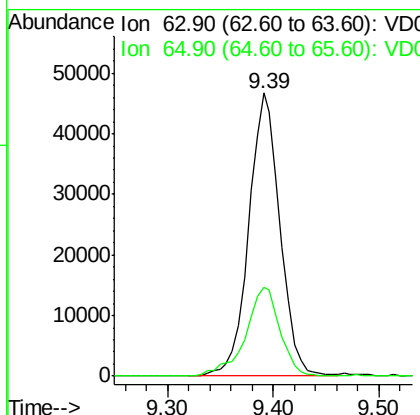
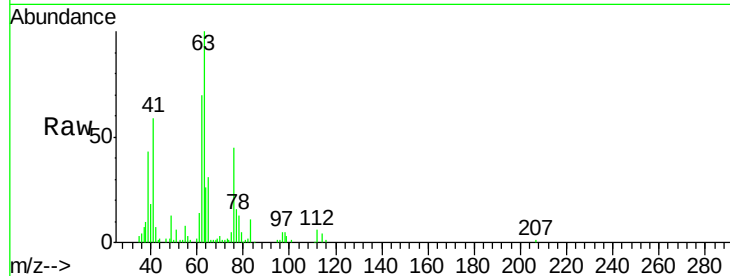
#45
 1,2-Dichloropropane
 Concen: 19.438 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.9	37.3

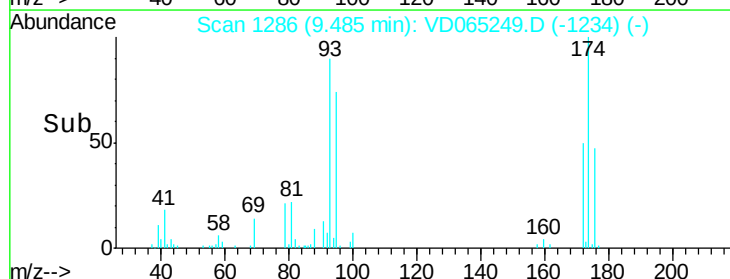
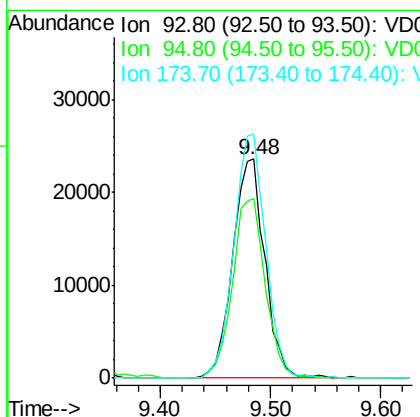
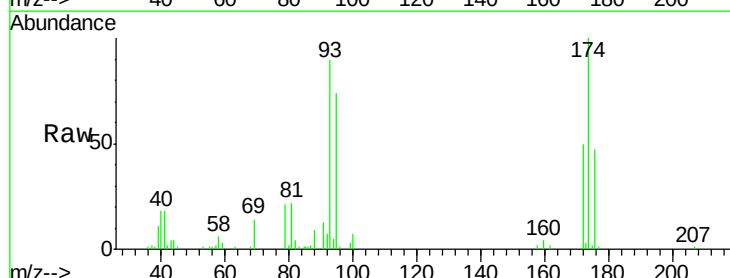
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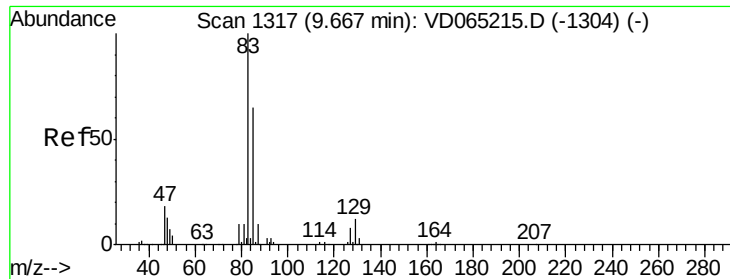
MMDadoda
 2/21/2020 3:22:52 PM



#46
 Dibromomethane
 Concen: 19.134 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.6
174	109.7	86.8	130.2





#47

Bromodichloromethane

Concen: 19.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

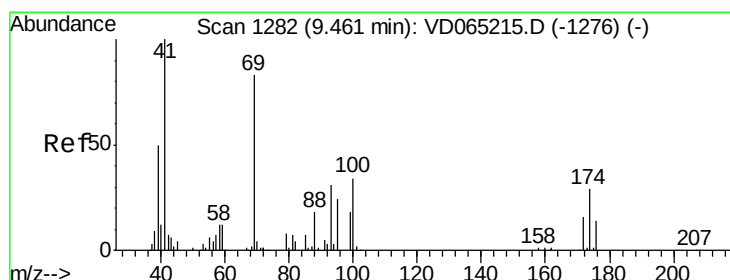
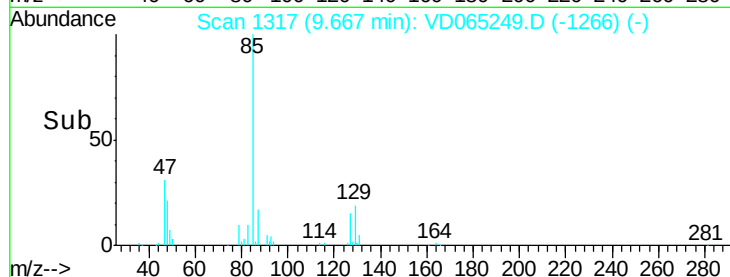
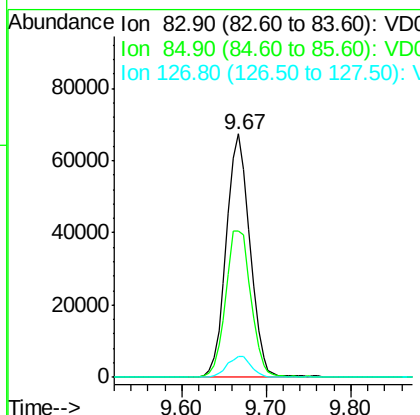
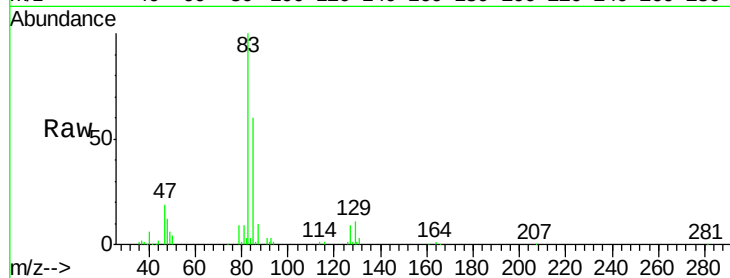
ClientSampleId :

VD0220SBS01

Tot Ion:	83	Resp:	130547
Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.0	78.0
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.864 ug/l

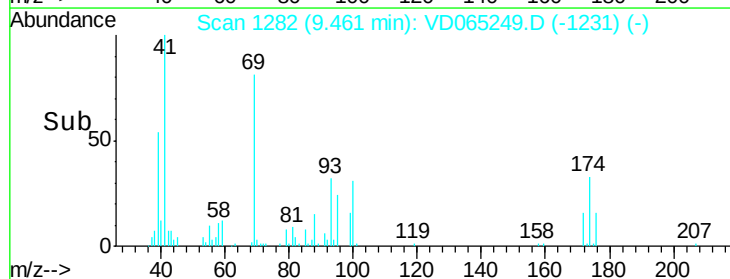
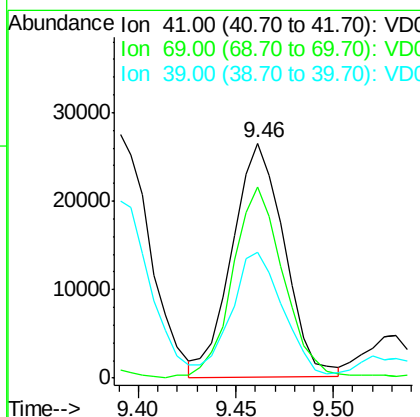
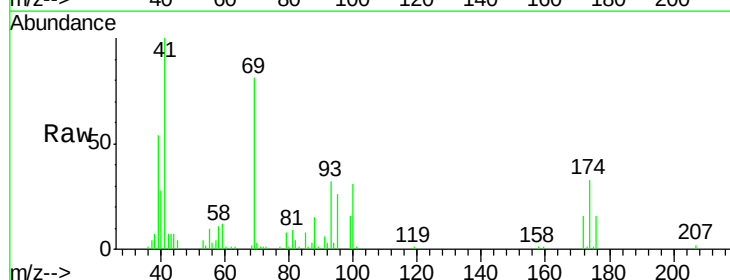
RT: 9.46 min Scan# 1282

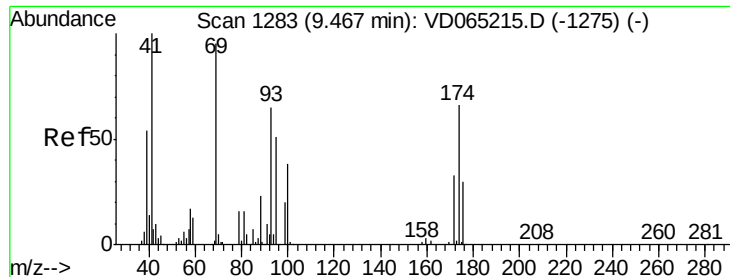
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	41	Resp:	49066
Ion	Ratio	Lower	Upper
41	100		
69	80.4	68.2	102.2
39	50.1	42.0	63.0





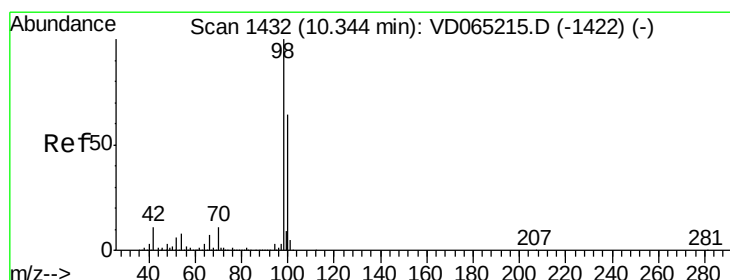
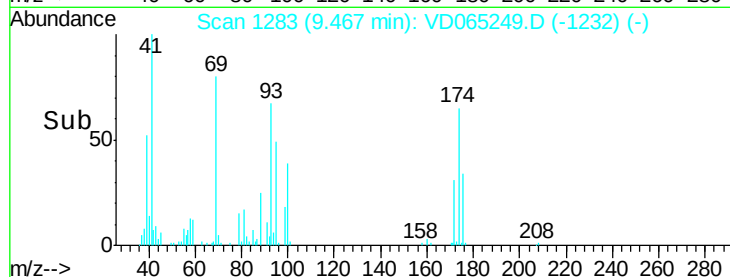
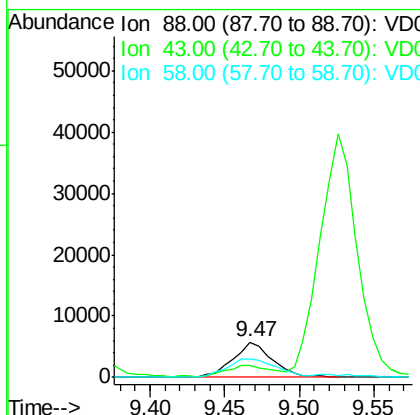
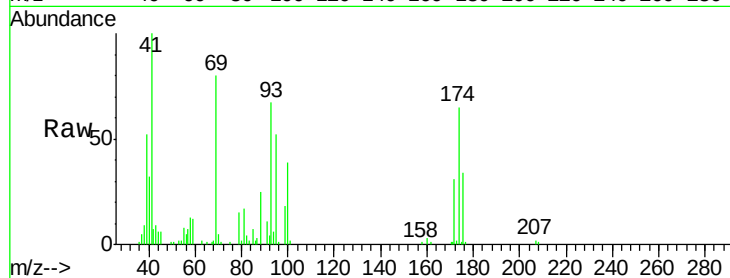
#49
1,4-Dioxane
Concen: 350.930 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	88	Resp	10448
Ion Ratio	Lower	Upper	
88	100		
43	35.3	28.5	42.7
58	65.5	58.6	87.8

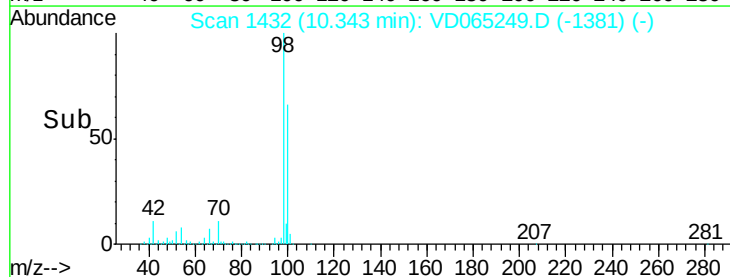
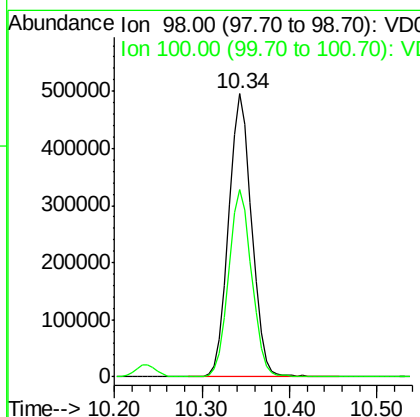
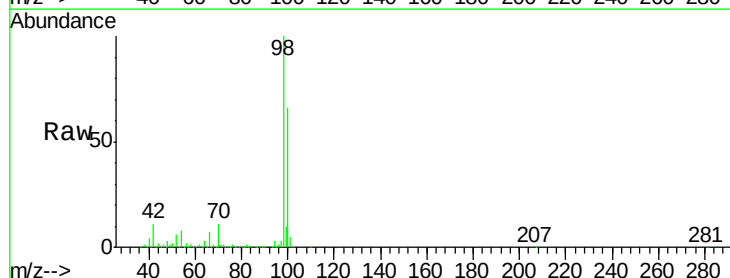
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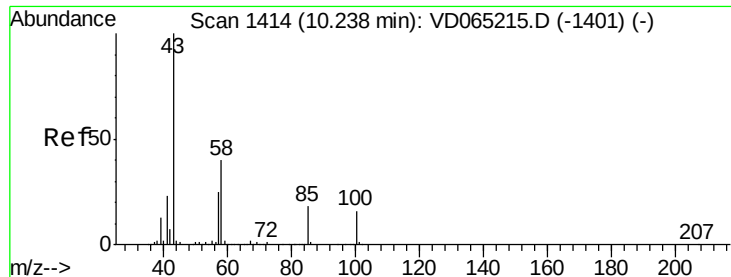
MMDadoda
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#50
Toluene-d8
Concen: 53.032 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	98	Resp	893049
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.0	78.0





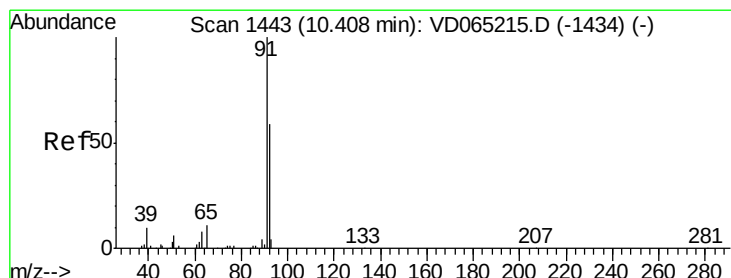
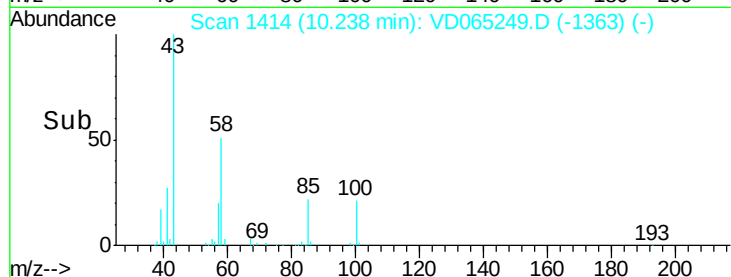
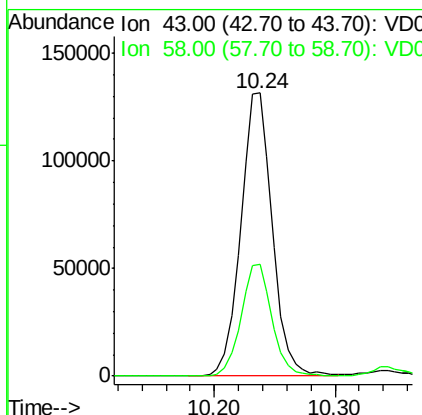
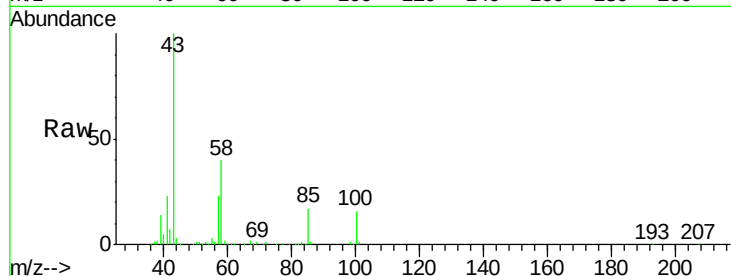
#51
4-Methyl-2-Pentanone
Concen: 88.141 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.1	46.7

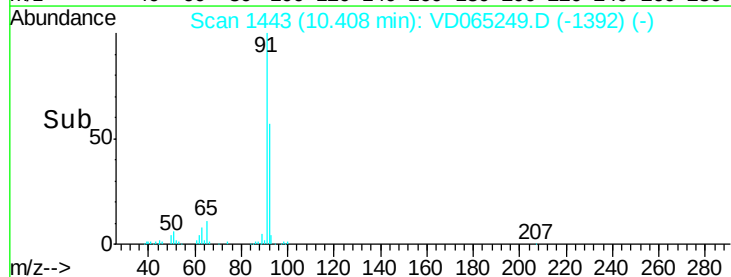
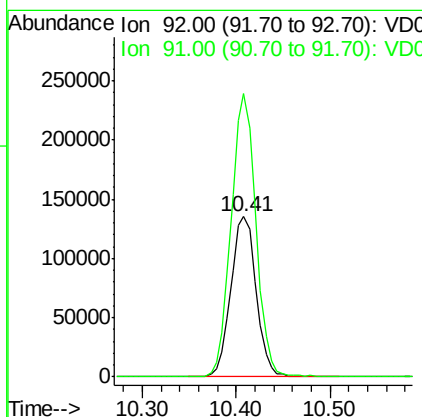
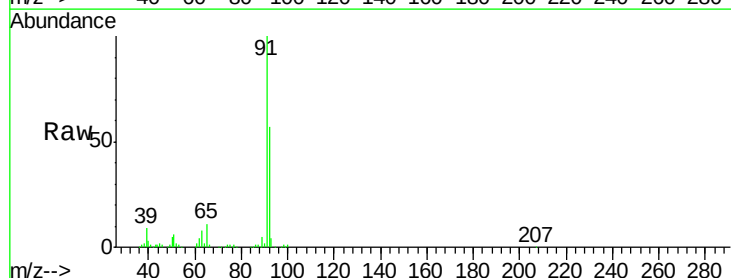
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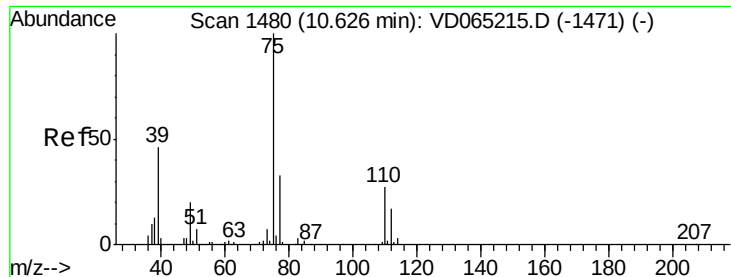
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#52
Toluene
Concen: 20.674 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.3	204.5





#53

t-1,3-Dichloropropene

Concen: 18.947 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 75 Resp: 117485

Ion Ratio Lower Upper

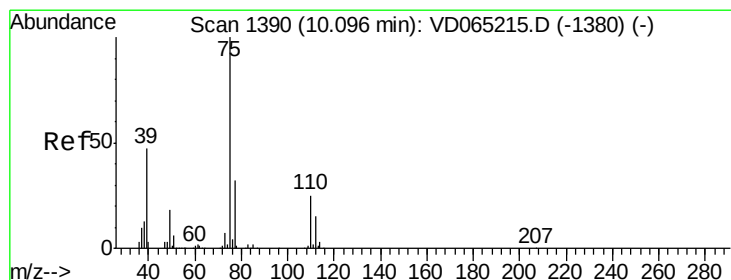
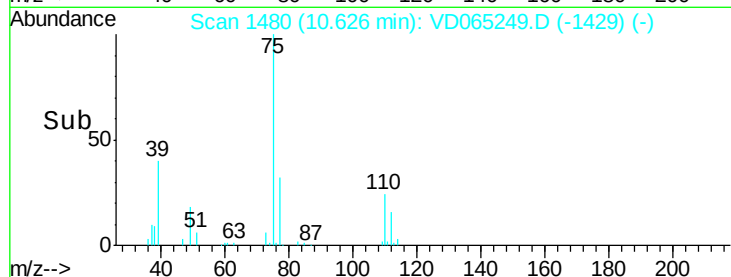
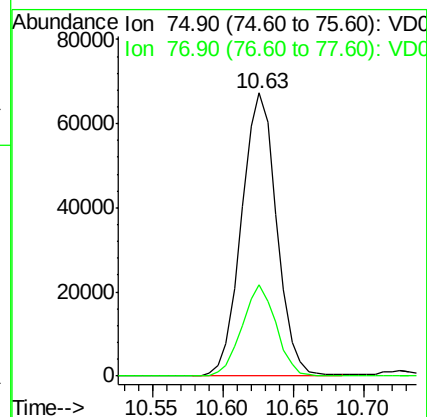
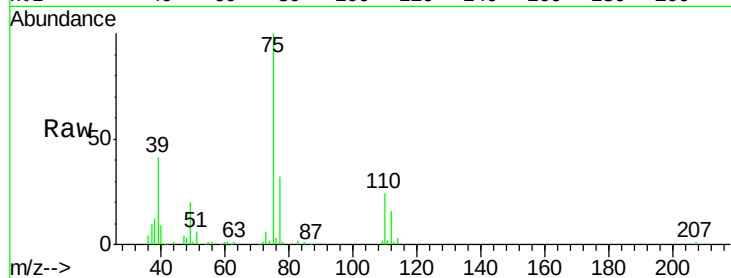
75 100

77 32.3 26.6 40.0

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#54

cis-1,3-Dichloropropene

Concen: 19.220 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

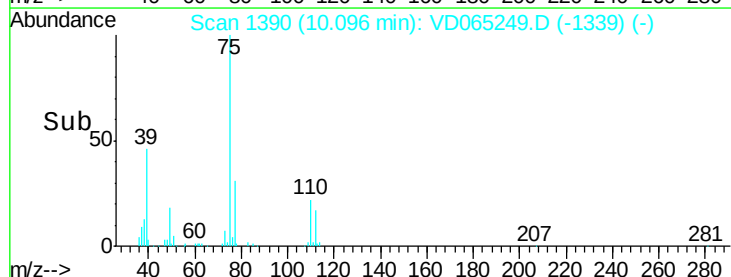
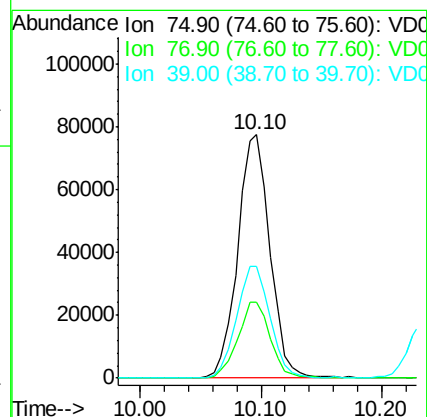
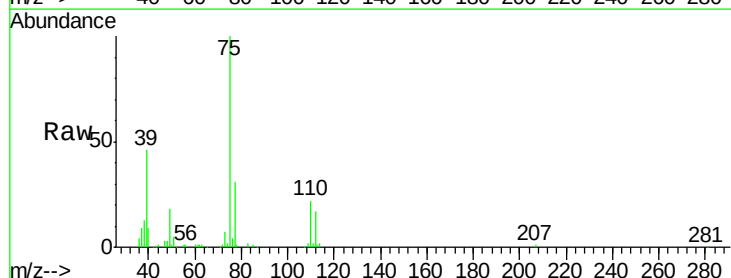
Tgt Ion: 75 Resp: 143915

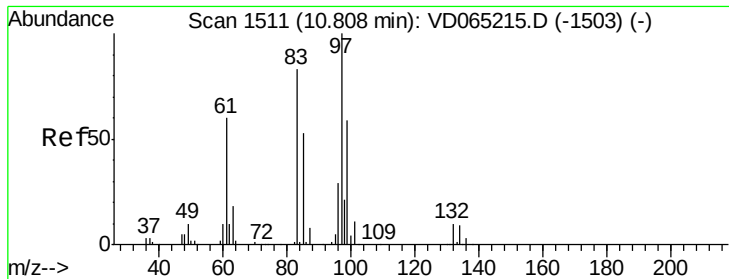
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

39 45.9 37.3 55.9





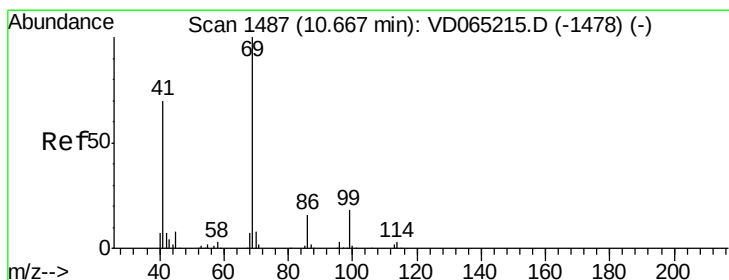
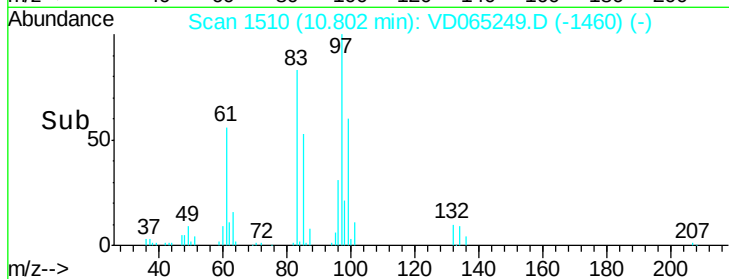
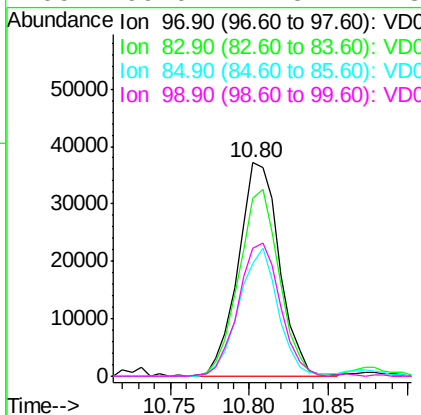
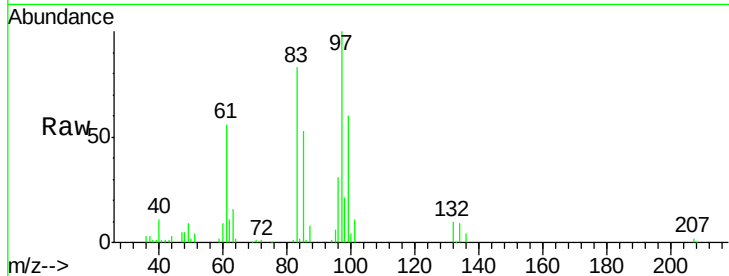
#55
 1,1,2-Trichloroethane
 Concen: 18.876 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.7	100.1
85	53.0	42.4	63.6
99	60.0	47.5	71.3

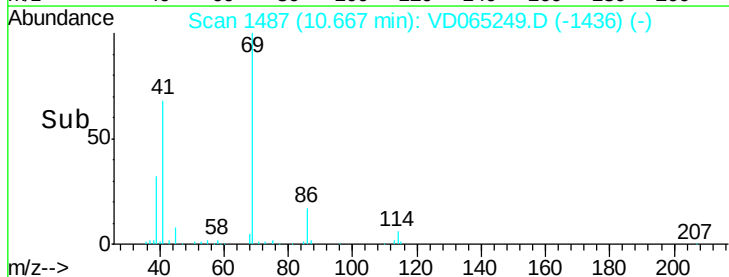
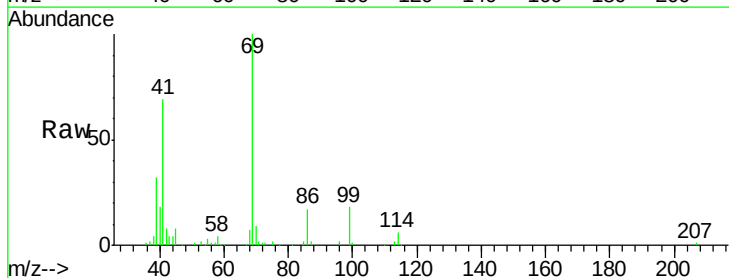
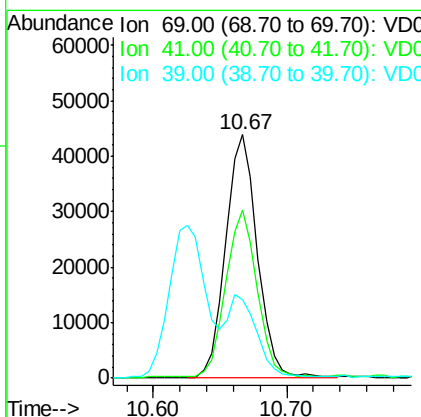
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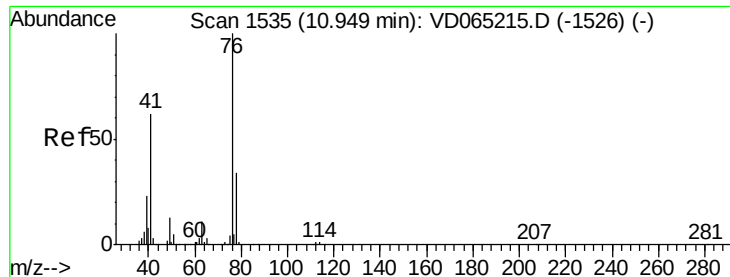
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#56
 Ethyl methacrylate
 Concen: 17.693 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.6	81.8
39	30.9	26.5	39.7





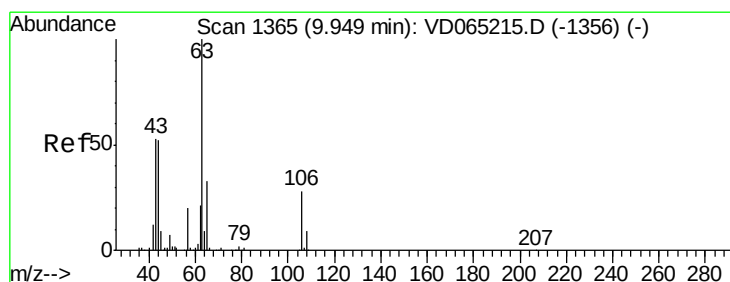
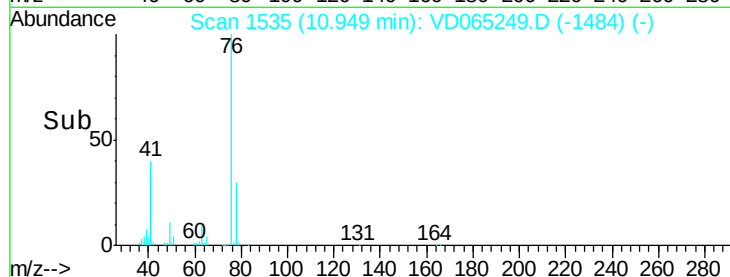
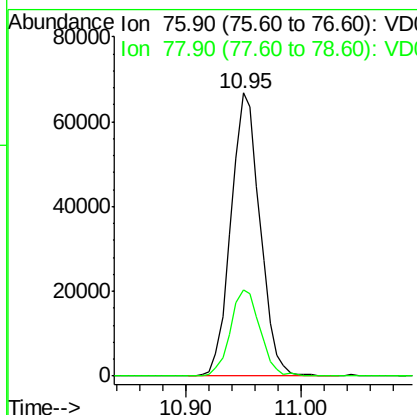
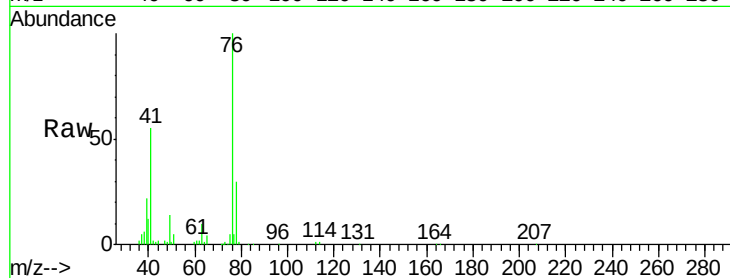
#57
 1,3-Dichloropropane
 Concen: 19.189 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.3	39.5

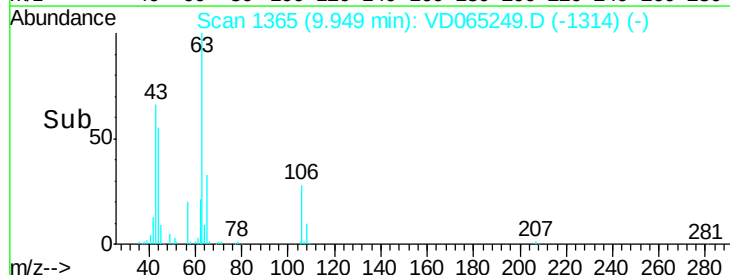
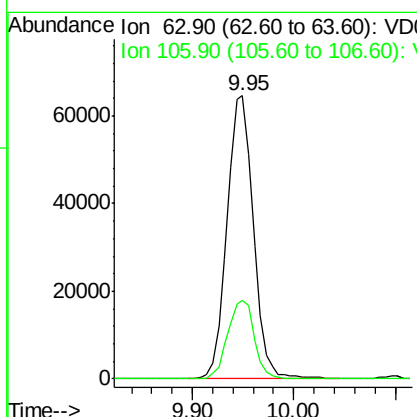
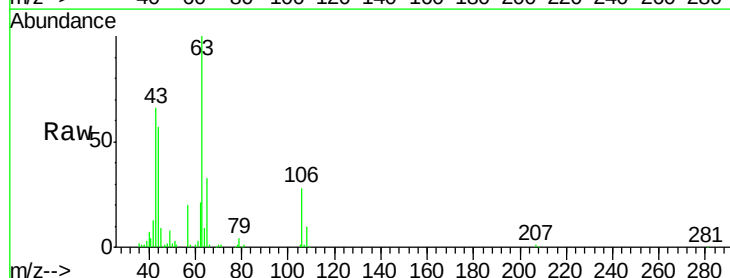
Manual Integrations
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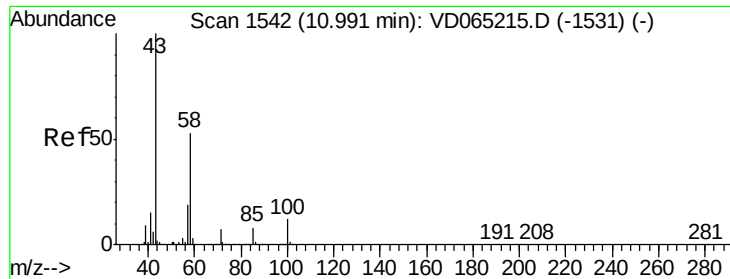
MMDadoda
 2/21/2020 3:22:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.348 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.8	34.2





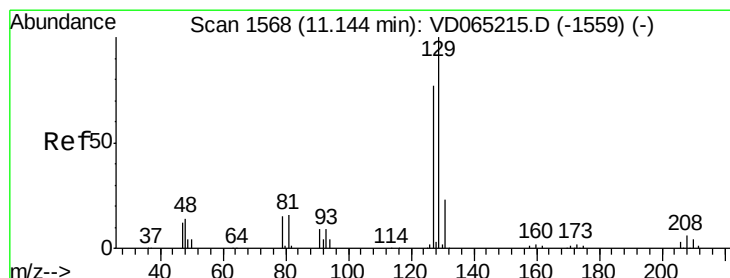
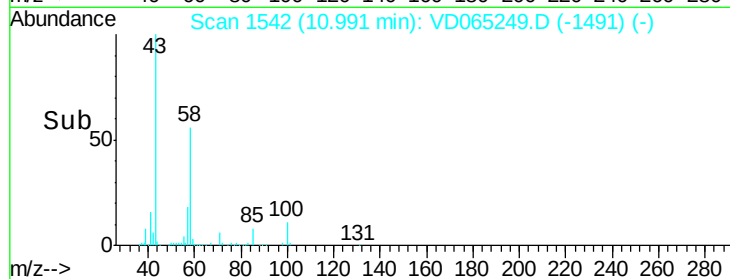
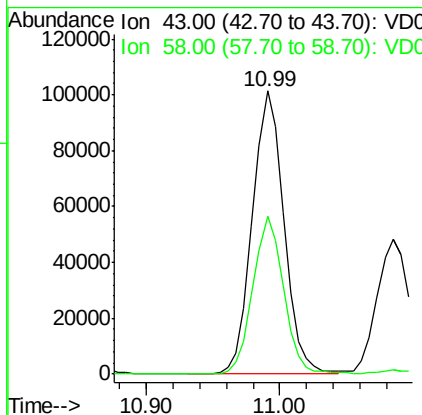
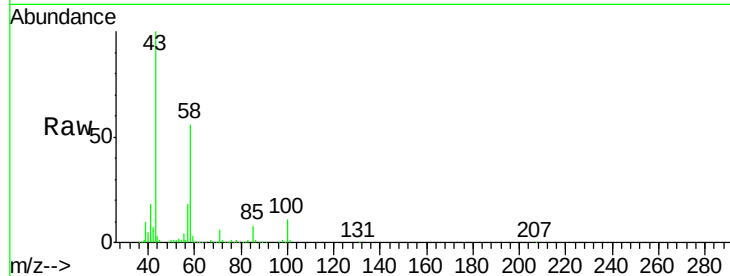
#59
2-Hexanone
Concen: 85.406 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion: 43 Resp: 165936
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.8

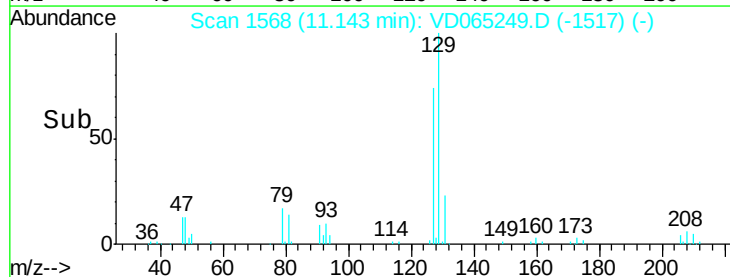
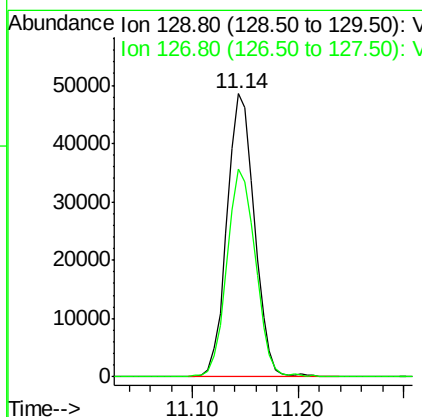
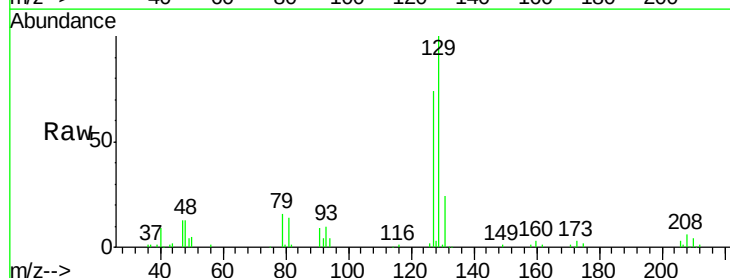
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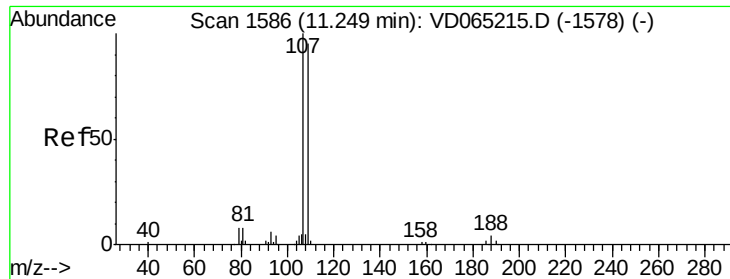
MMDadoda
2/21/2020 3:22:52 PM



#60
Dibromochloromethane
Concen: 19.160 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion: 129 Resp: 87620
Ion Ratio Lower Upper
129 100
127 76.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 18.630 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion:107 Resp: 63022

Ion Ratio Lower Upper

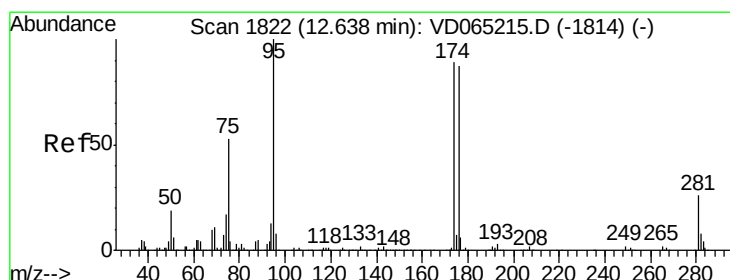
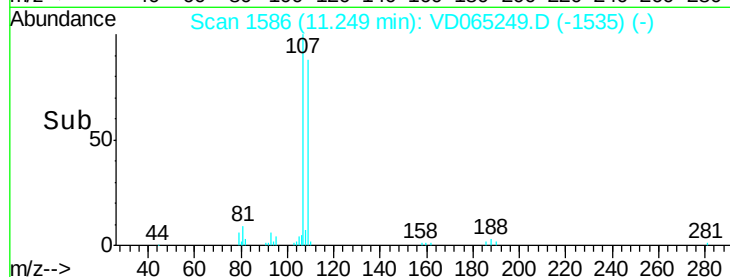
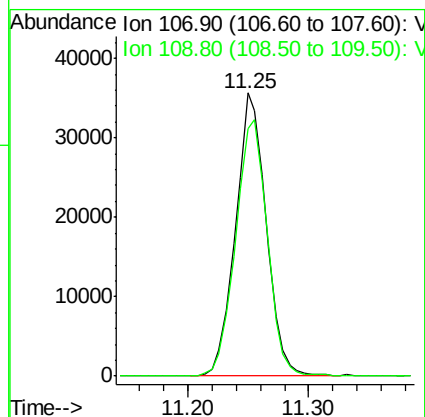
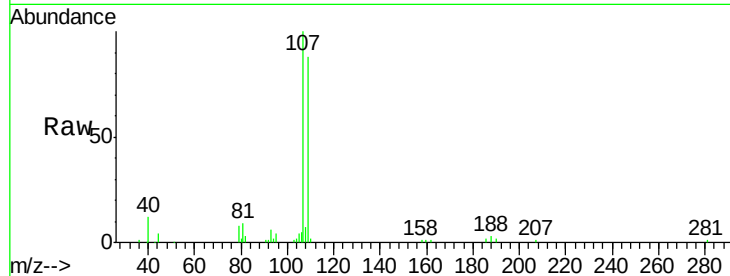
107 100

109 93.9 76.2 114.4

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 52.038 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

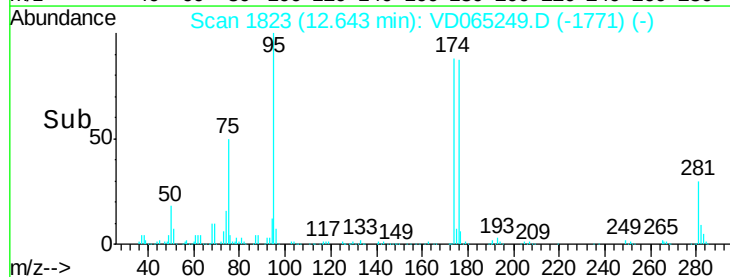
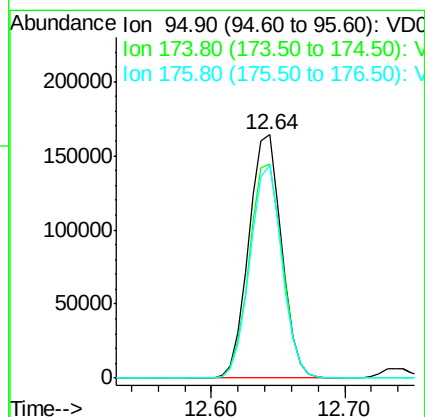
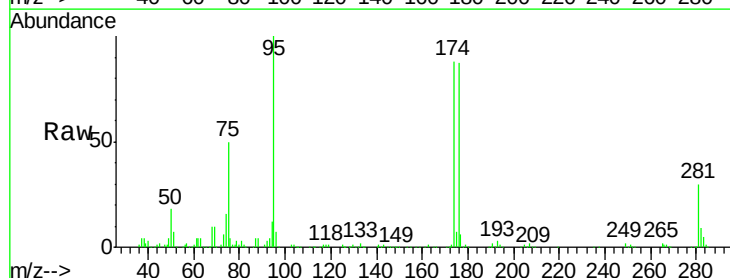
Tgt Ion: 95 Resp: 277610

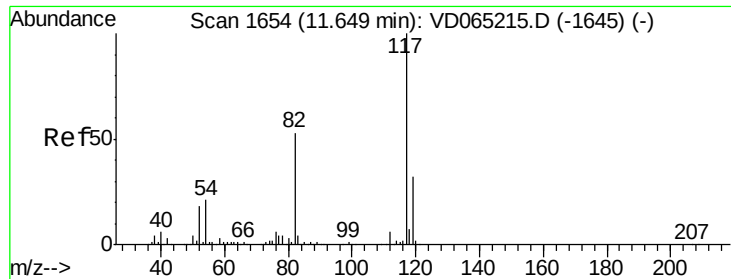
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.0

176 85.4 0.0 174.4





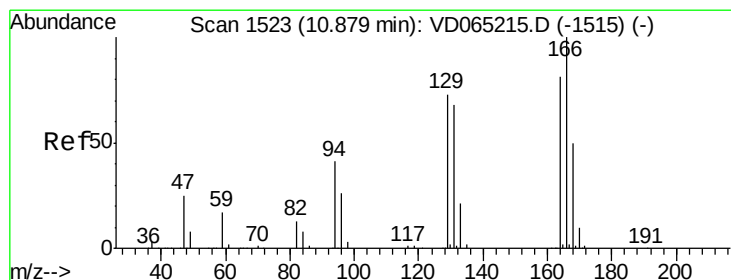
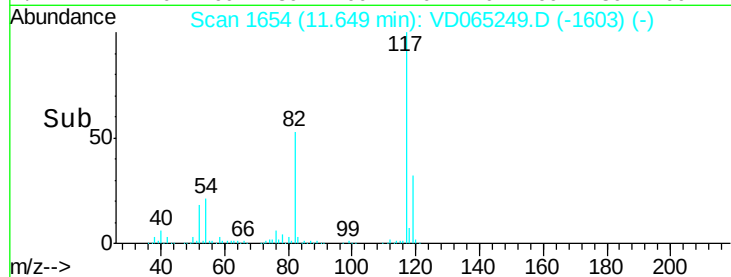
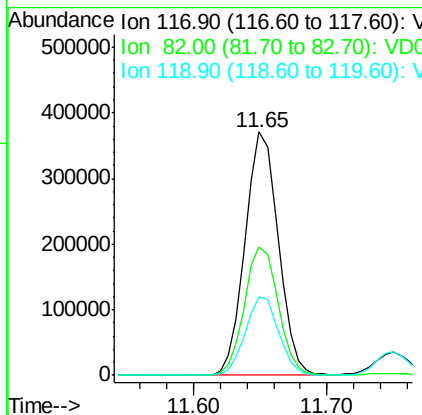
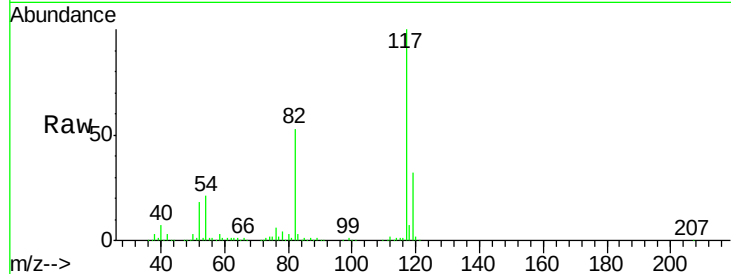
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	639876		
82	53.0		42.7	64.1
119	32.2		25.5	38.3

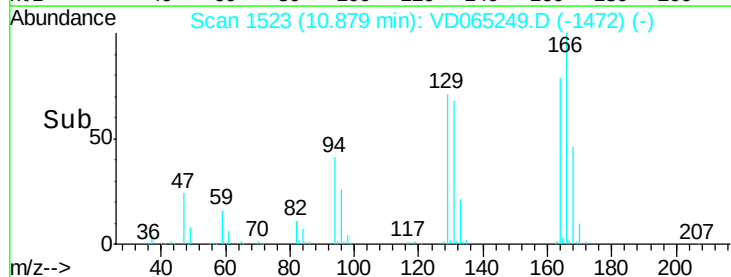
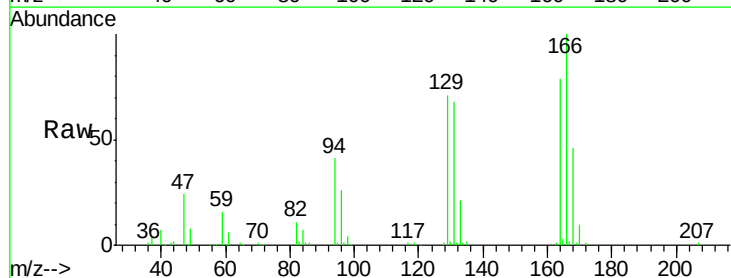
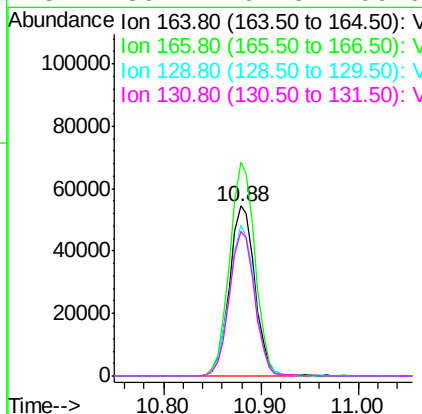
Manual Integrations
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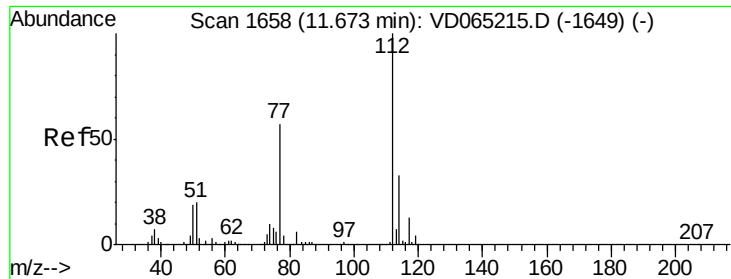
MMDadoda
2/21/2020 3:22:52 PM



#64
Tetrachloroethene
Concen: 21.715 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98546		
166	125.9		98.4	147.6
129	89.2		71.6	107.4
131	85.2		67.3	100.9





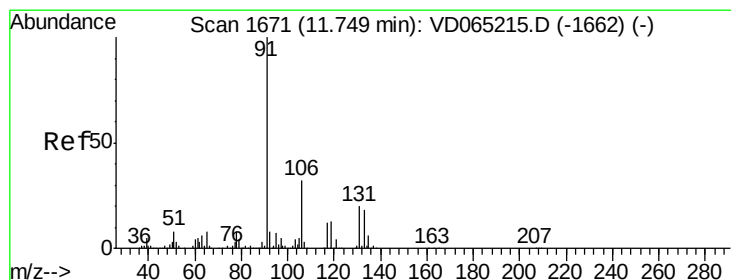
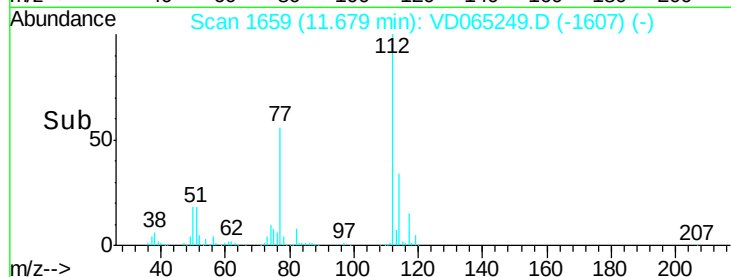
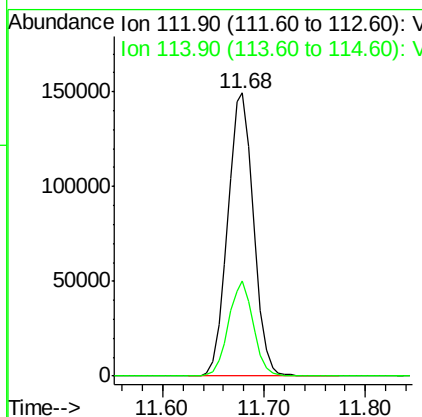
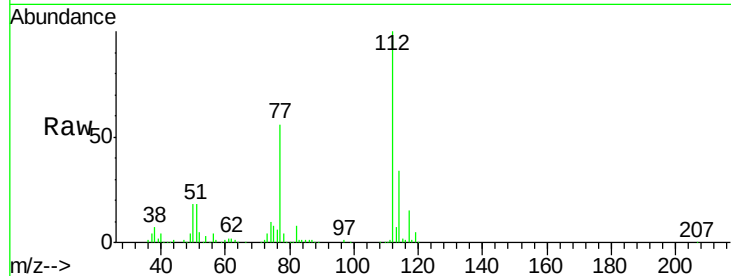
#65
Chlorobenzene
Concen: 20.529 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	263601		
114	33.9	26.4	39.6	

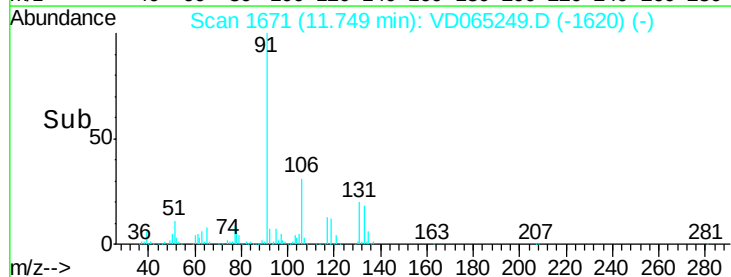
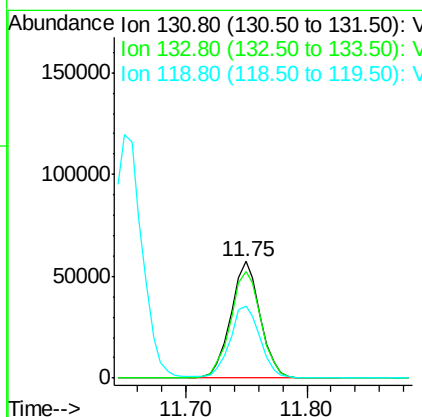
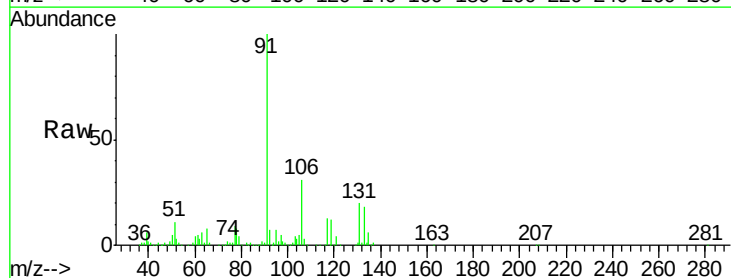
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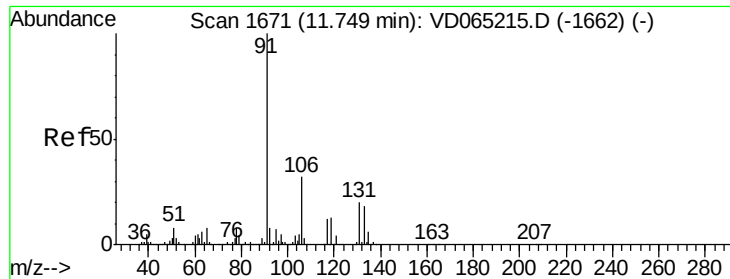
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.154 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96572		
133	95.9	47.7	143.1	
119	64.1	32.7	98.1	





#67

Ethyl Benzene

Concen: 20.668 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 91 Resp: 464816

Ion Ratio Lower Upper

91 100

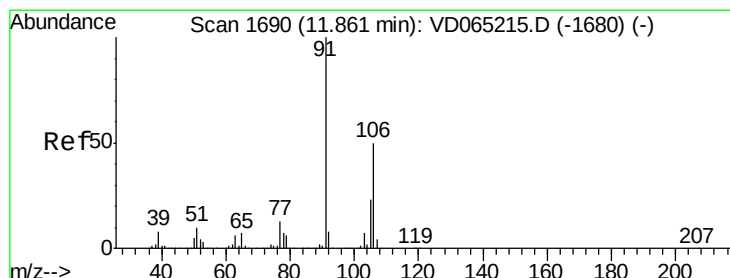
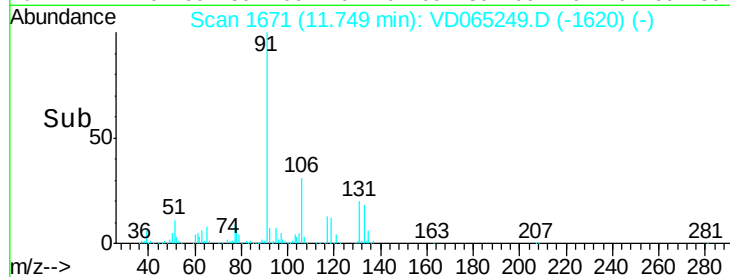
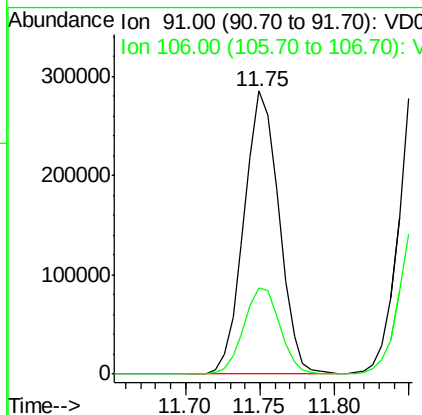
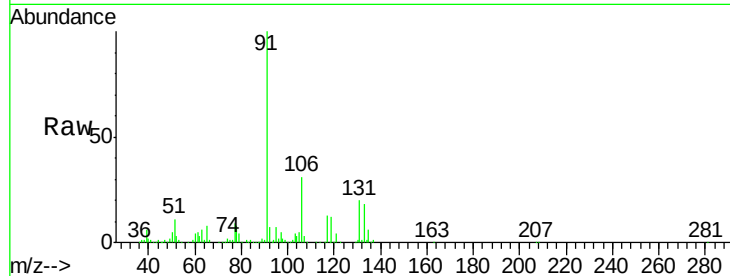
106 30.6 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.295 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065249.D

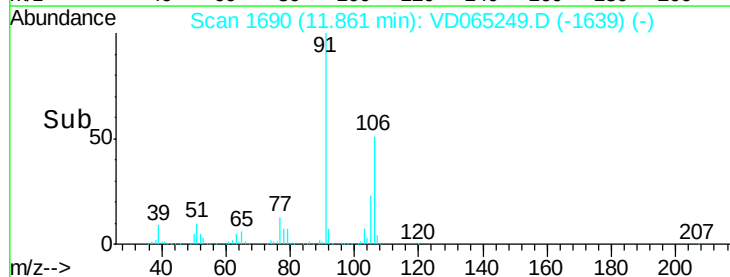
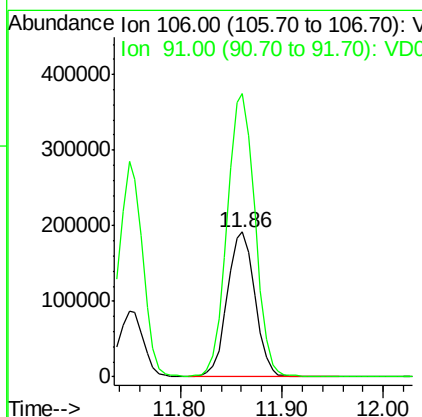
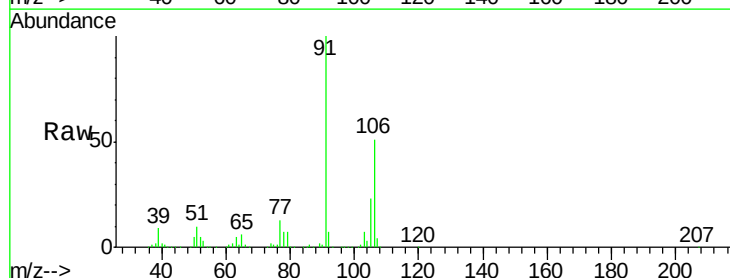
Acq: 20 Feb 2020 11:41

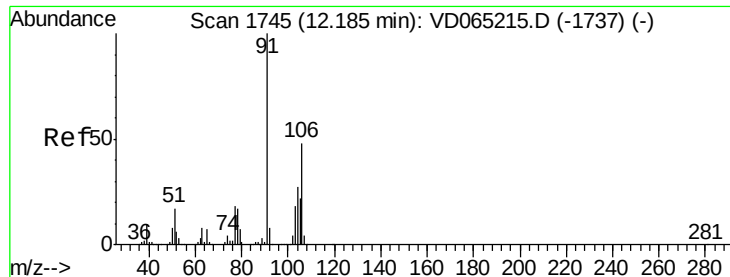
Tgt Ion: 106 Resp: 363909

Ion Ratio Lower Upper

106 100

91 196.5 158.2 237.4





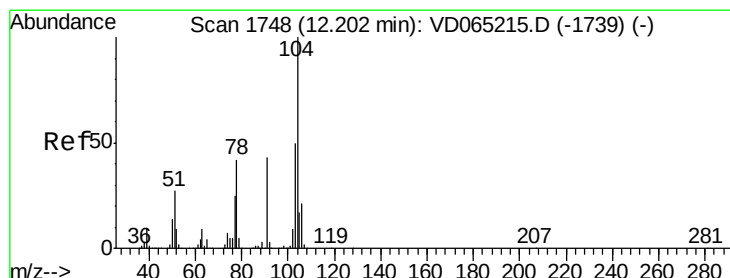
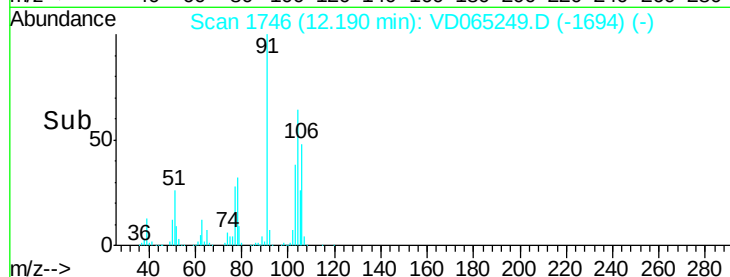
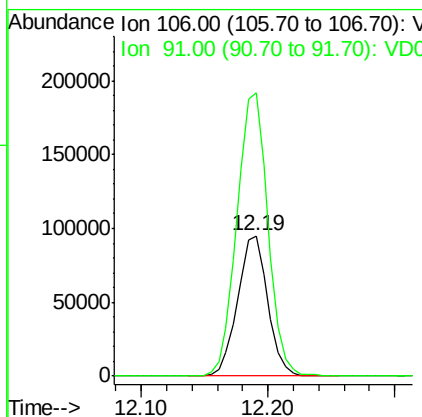
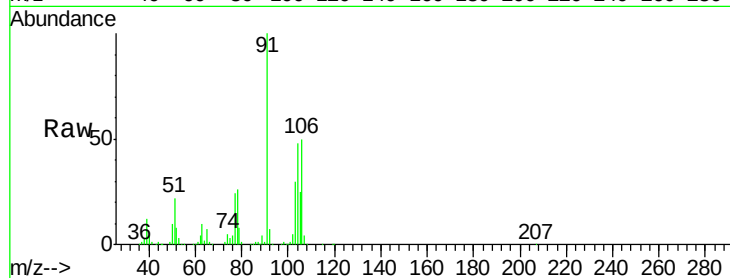
#69
o-Xylene
Concen: 20.450 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155886		
91	208.4	104.7	313.9		

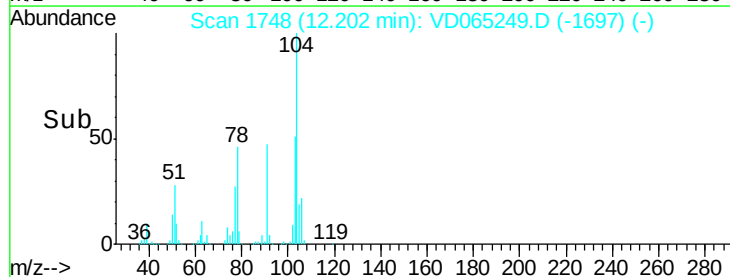
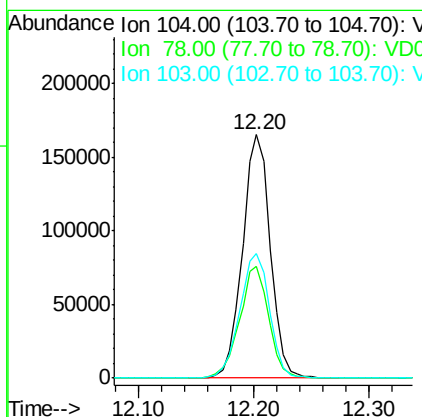
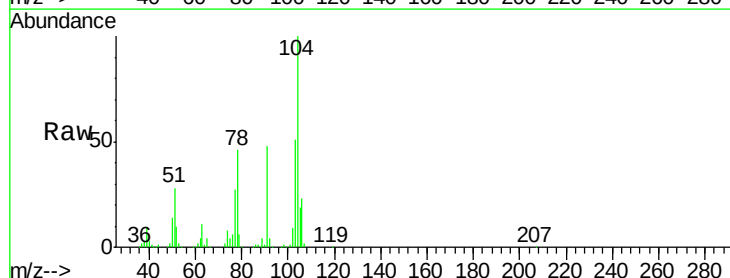
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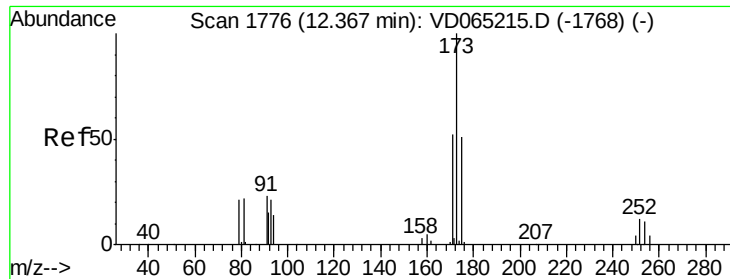
MMDadoda
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#70
Styrene
Concen: 20.414 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		276283		
78	48.0	37.8	56.6		
103	55.0	43.4	65.2		





#71

Bromoform

Concen: 18.425 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

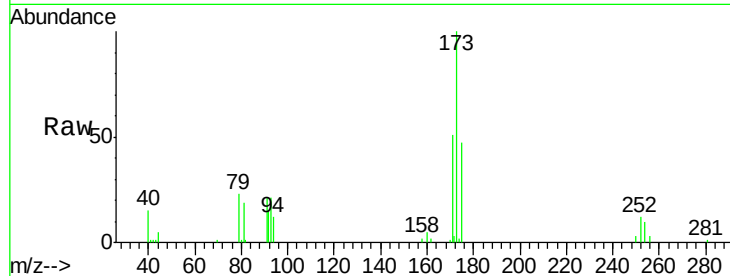
ClientSampleId :

VD0220SBS01

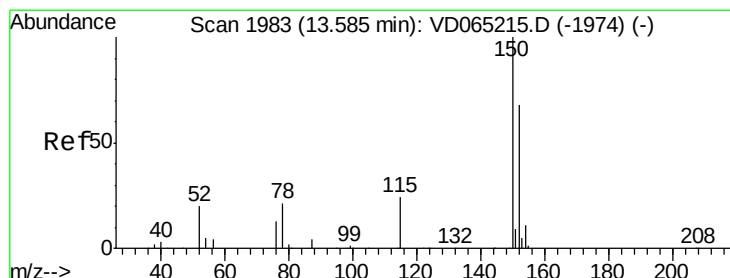
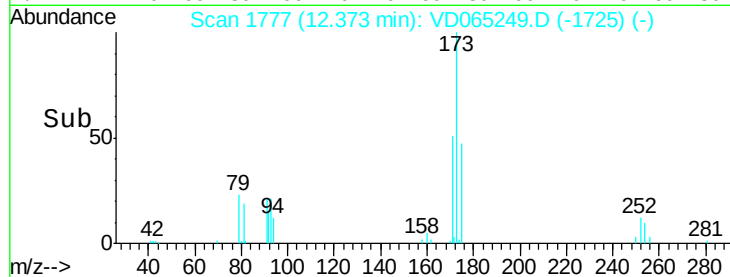
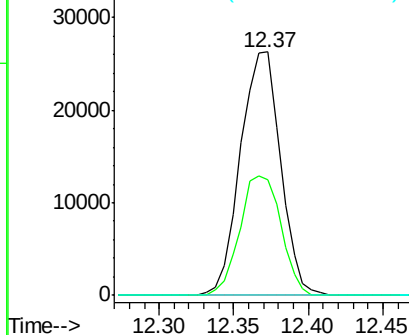
Tot Ion:	173	Resp:	48992
Ion Ratio	Lower	Upper	
173	100		
175	50.2	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

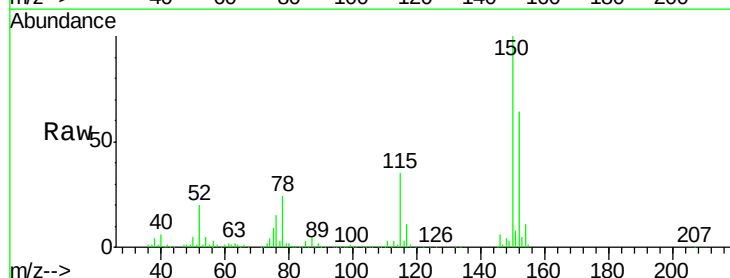
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

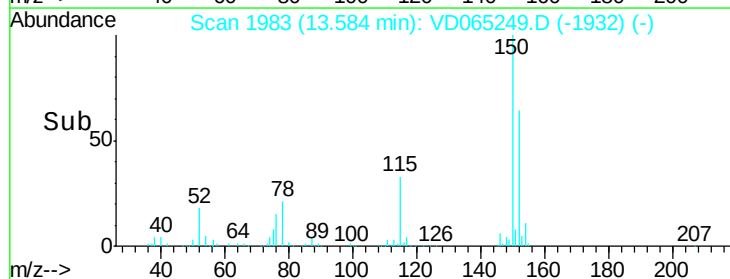
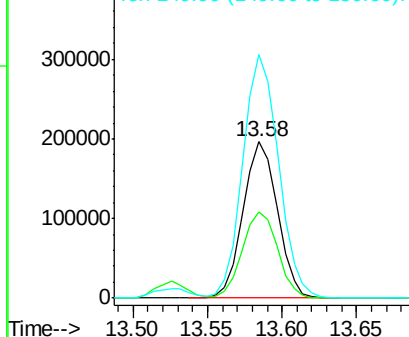
Lab File: VD065249.D

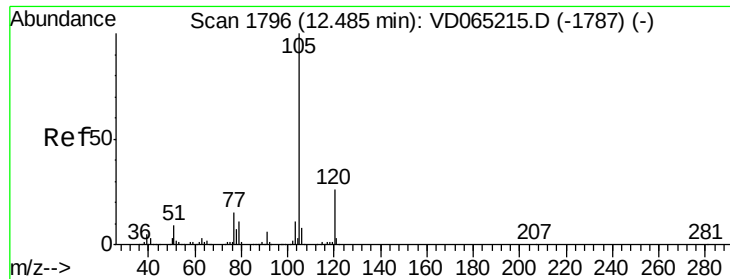
Acq: 20 Feb 2020 11:41

Tgt Ion:	152	Resp:	312269
Ion Ratio	Lower	Upper	
152	100		
115	56.5	27.6	82.8
150	162.7	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.083 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBS01

Tot Ion: 105 Resp: 435854

Ion Ratio Lower Upper

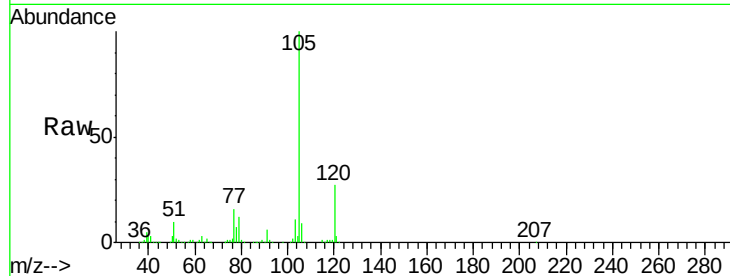
105 100

120 26.7 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

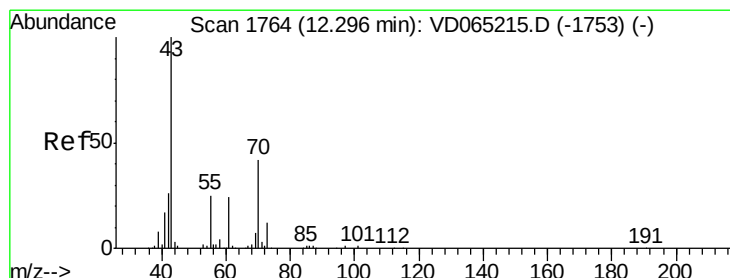
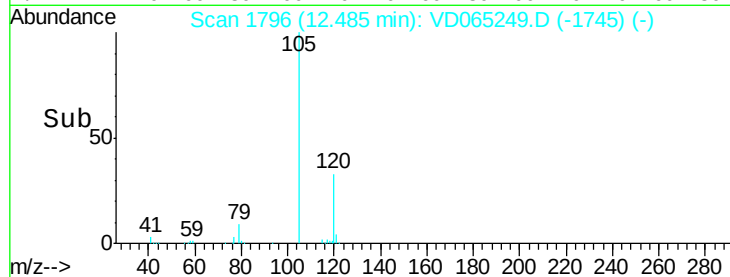
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 17.712 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion: 43 Resp: 81365

Ion Ratio Lower Upper

43 100

70 43.5 33.7 50.5

55 29.2 20.7 31.1

61 23.8 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

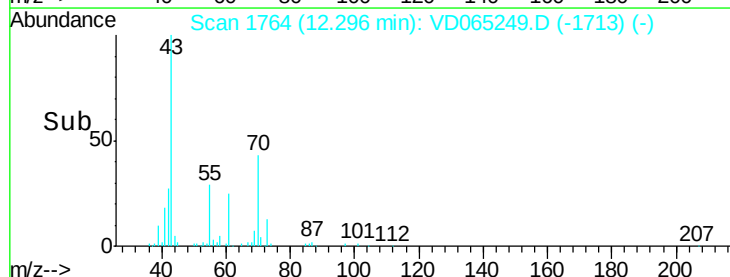
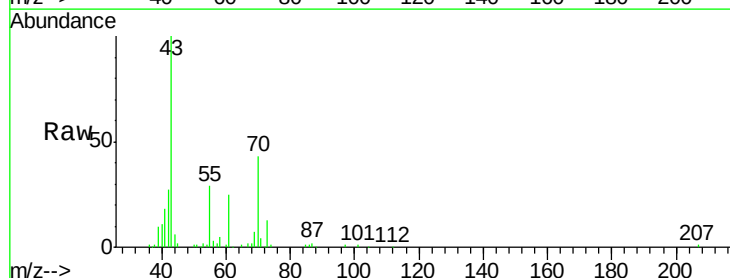
60000

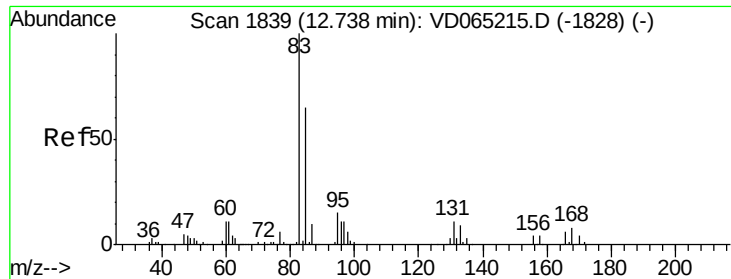
40000

20000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.571 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

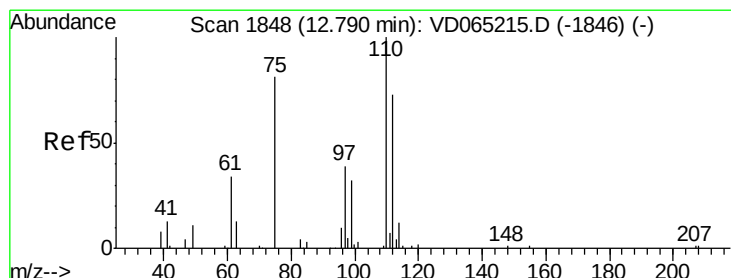
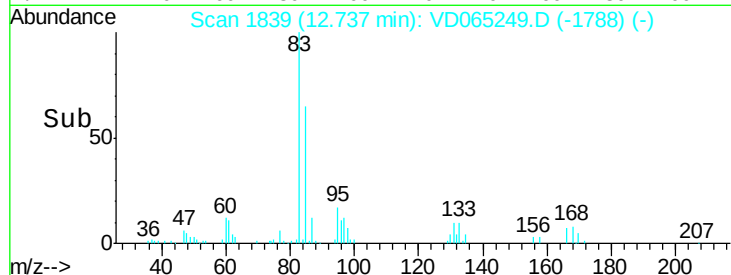
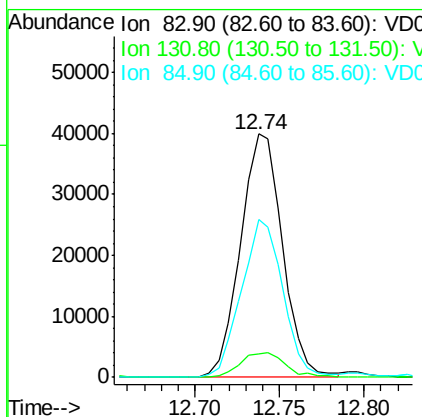
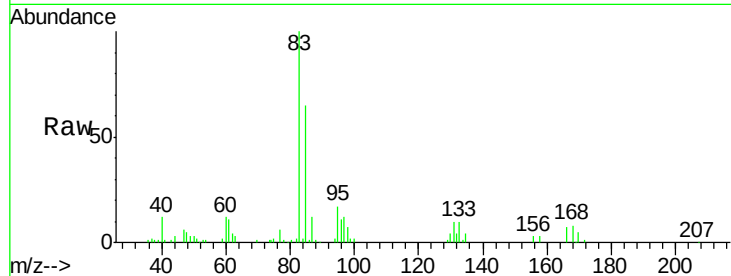
ClientSampleId :

VD0220SBS01

Tot Ion:	83	Resp:	69292
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.068 ug/l m

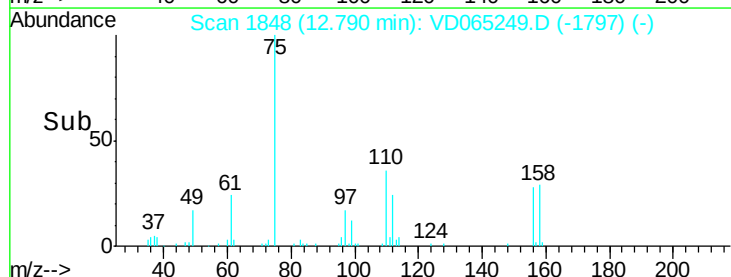
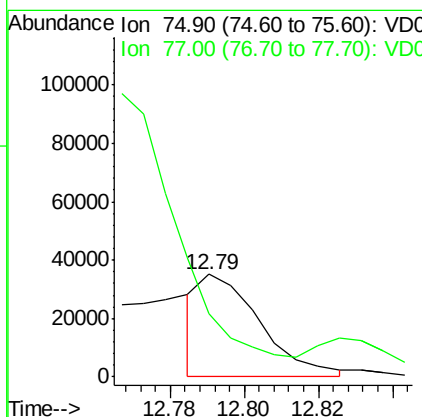
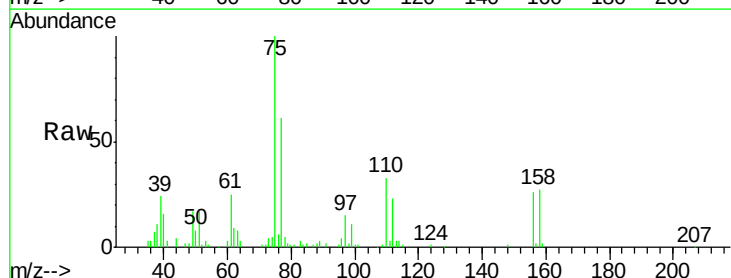
RT: 12.79 min Scan# 1848

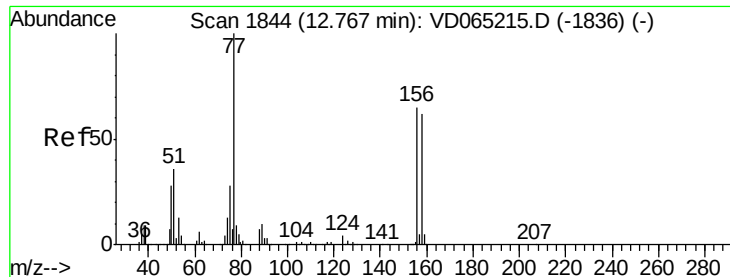
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	75	Resp:	40034
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





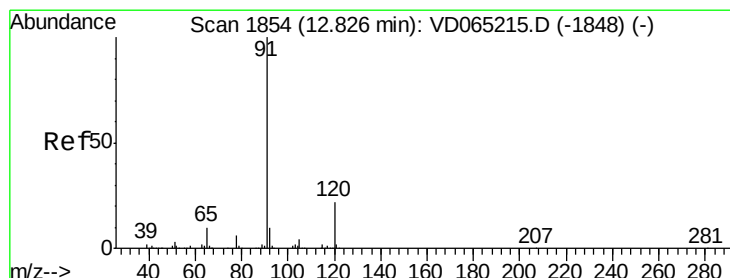
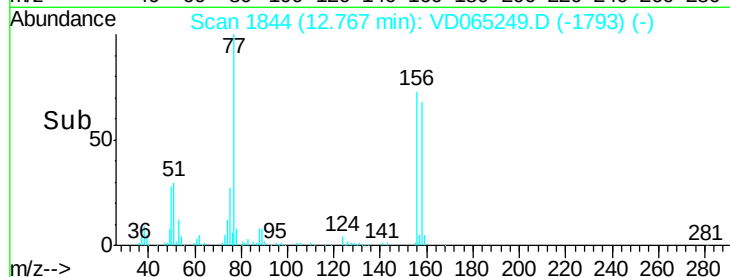
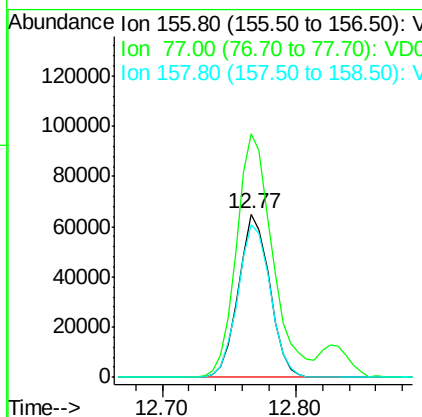
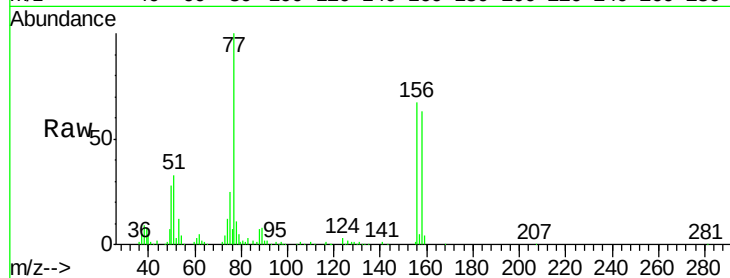
#77
Bromobenzene
Concen: 20.484 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.8	86.6	259.7
158	97.5	48.1	144.3

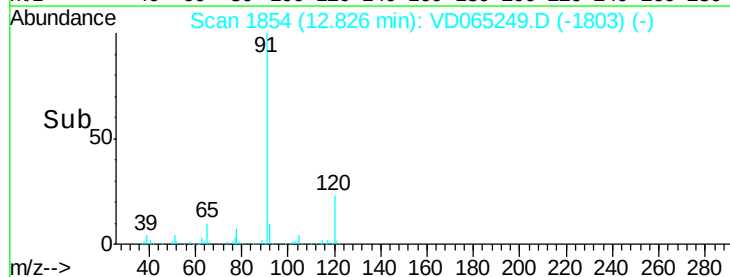
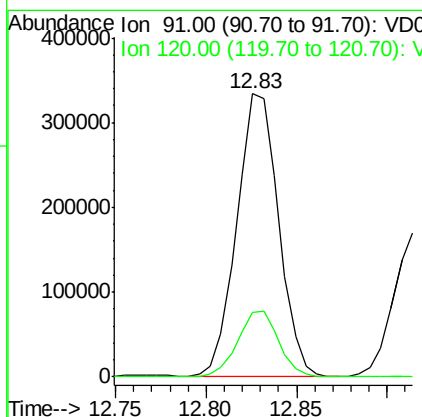
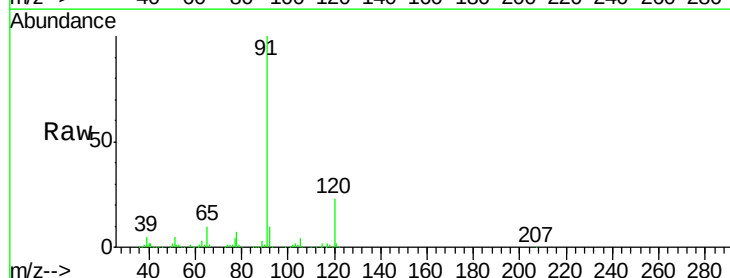
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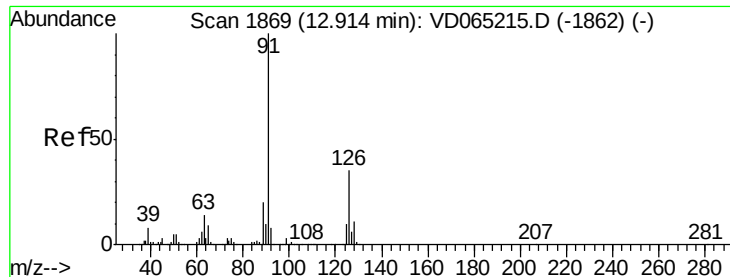
MMDadoda
2/21/2020 3:22:52 PM



#78
n-propylbenzene
Concen: 21.520 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





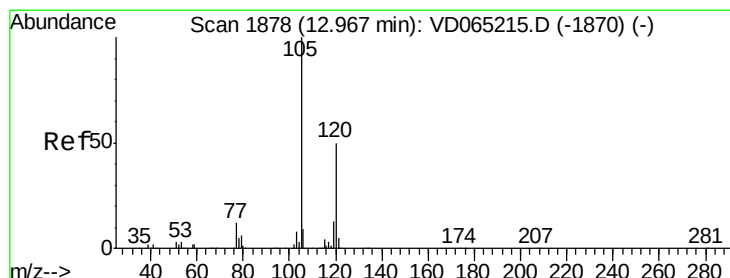
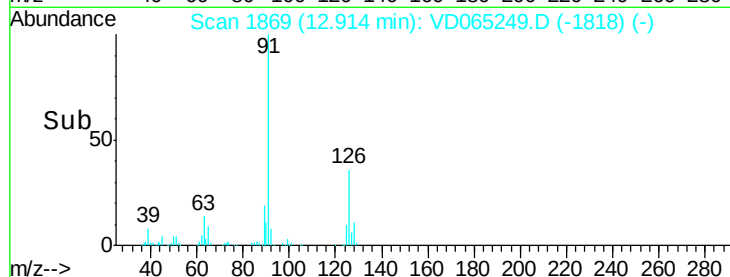
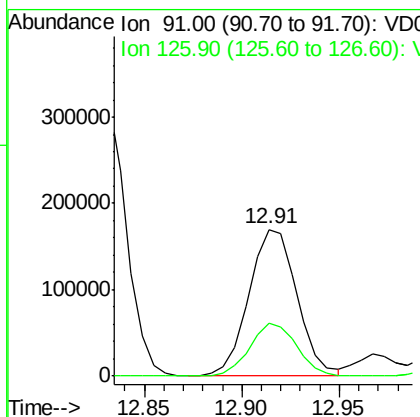
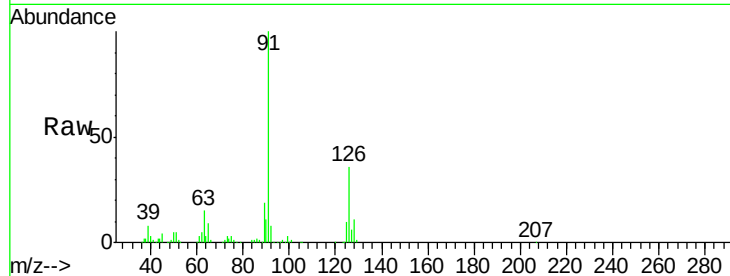
#79
 2-Chlorotoluene
 Concen: 20.781 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.6

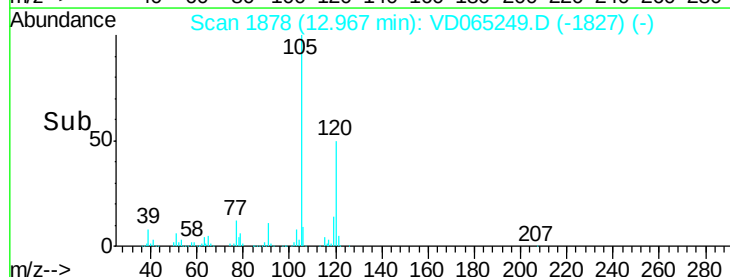
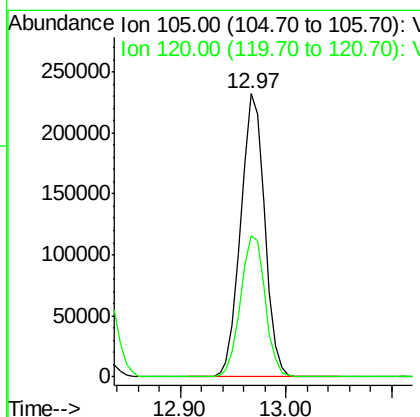
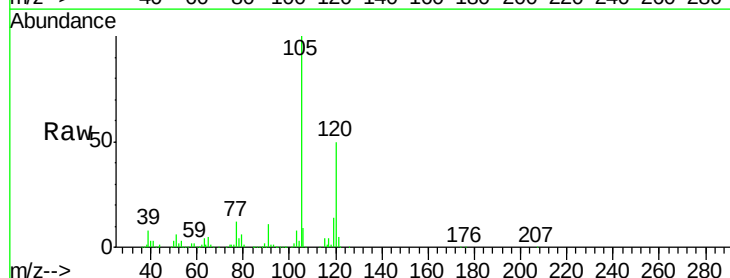
Manual Integrations
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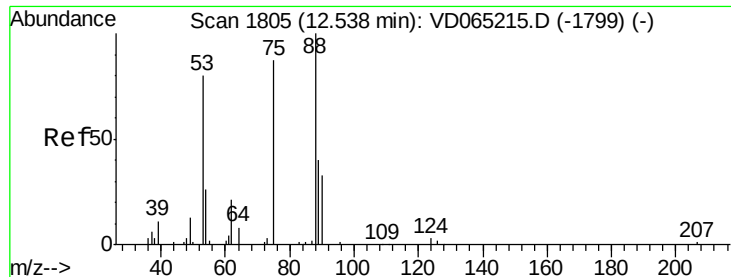
MMDadoda
 2/21/2020 3:22:52 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.440 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.479 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

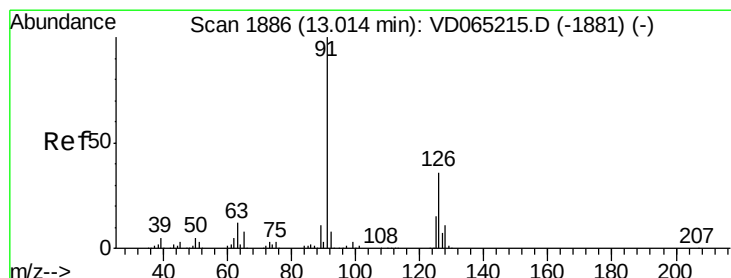
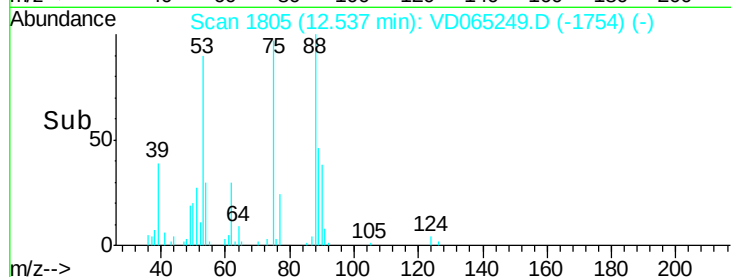
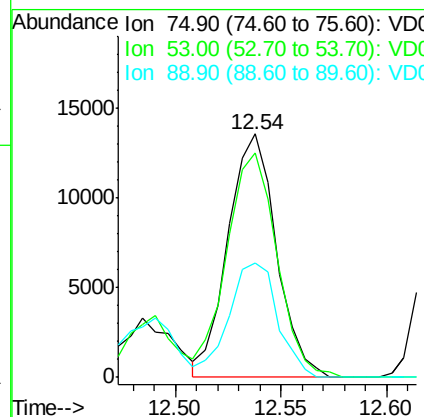
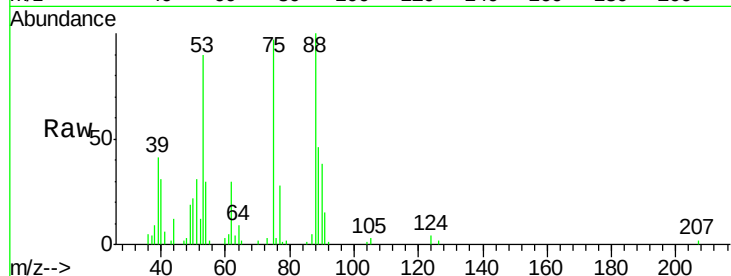
ClientSampleId :

VD0220SBS01

Tot Ion:	75	Resp:	21508
Ion	Ratio	Lower	Upper
75	100		
53	95.7	77.6	116.4
89	47.5	37.2	55.8

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#82

4-Chlorotoluene

Concen: 21.295 ug/l

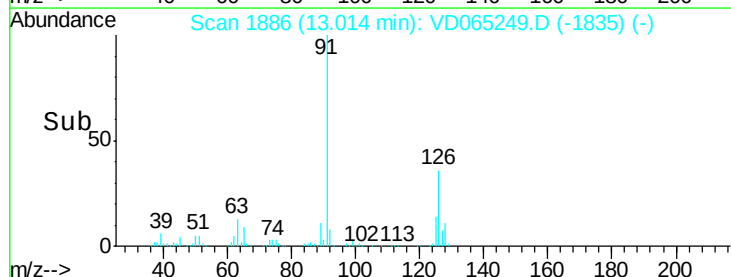
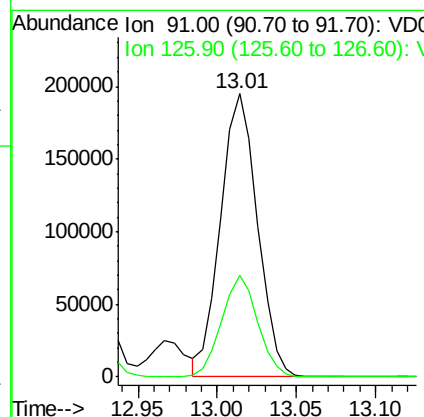
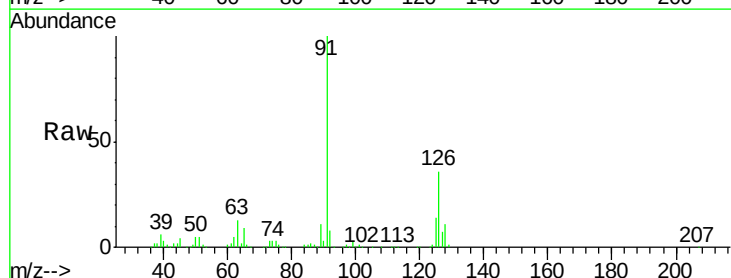
RT: 13.01 min Scan# 1886

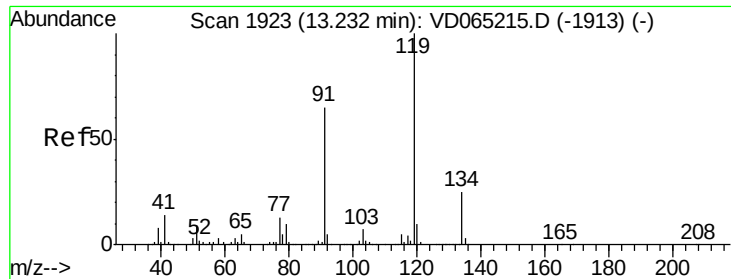
Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	91	Resp:	314644
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





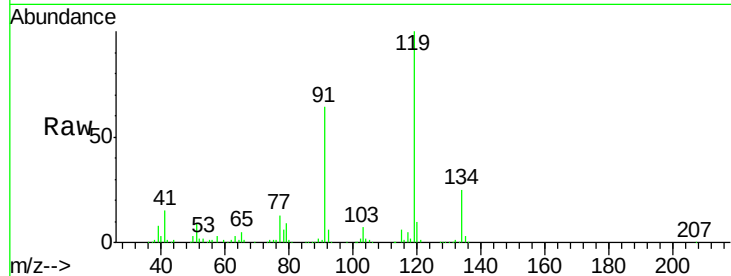
#83
tert-Butylbenzene
Concen: 20.531 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

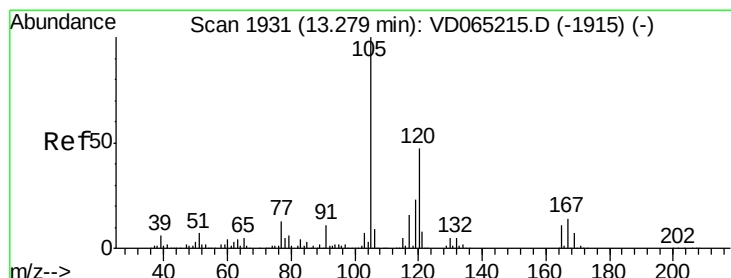
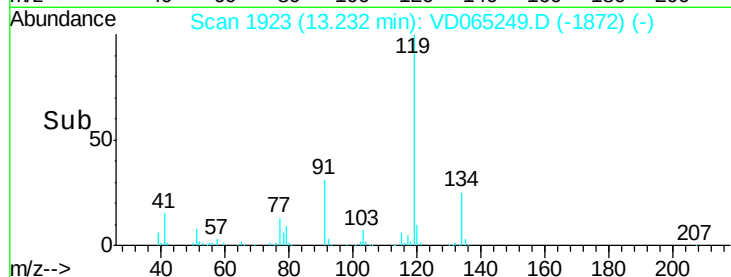
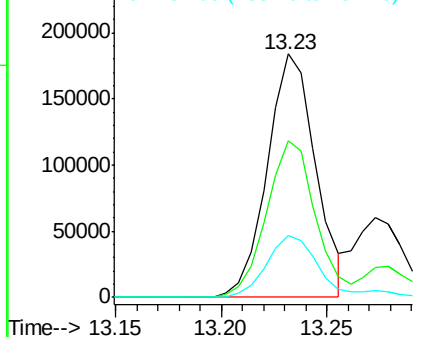
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	31.9	95.5
134	28.3	13.8	41.3

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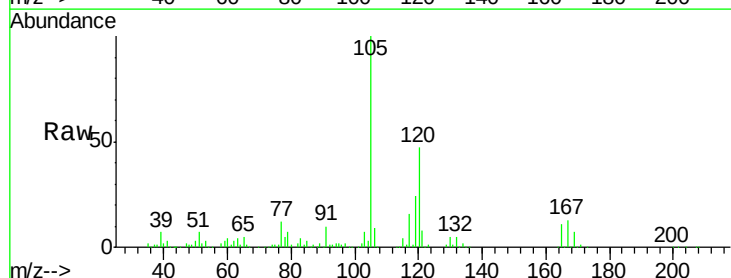


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

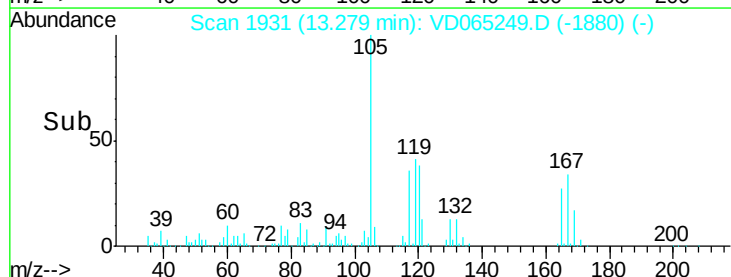
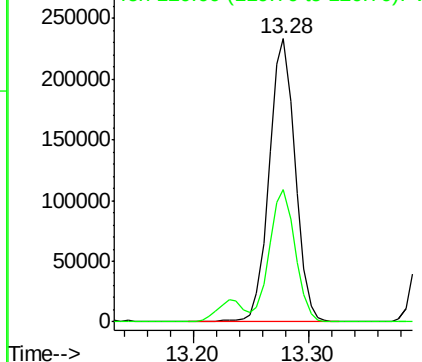


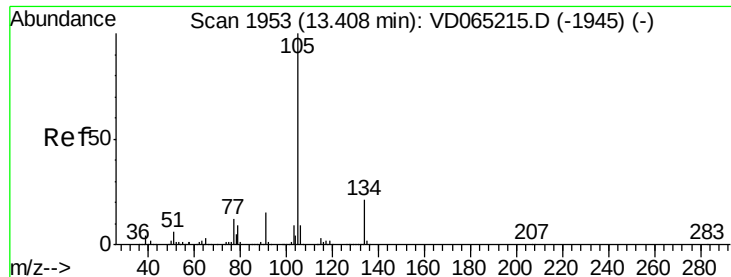
#84
1,2,4-Trimethylbenzene
Concen: 21.535 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





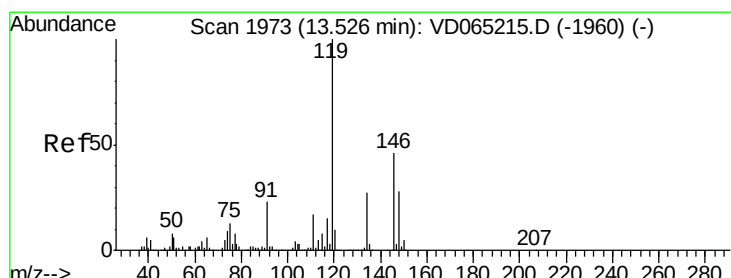
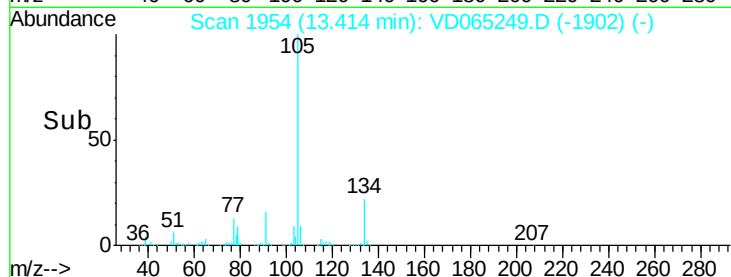
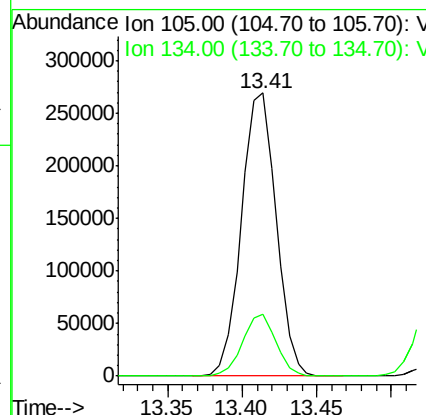
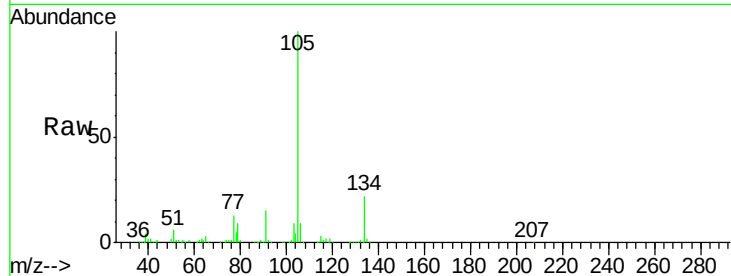
#85
 sec-Butylbenzene
 Concen: 21.178 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

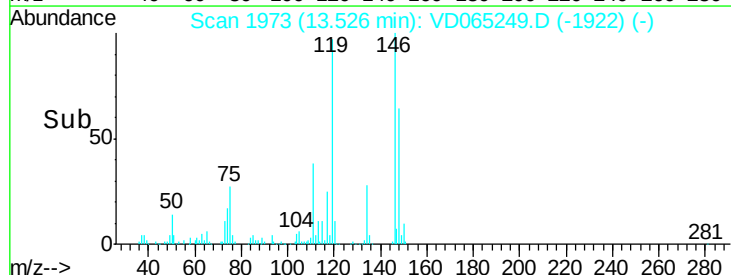
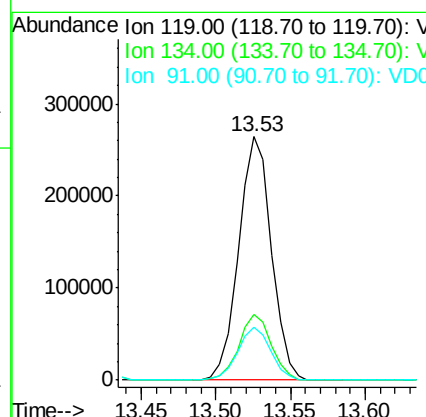
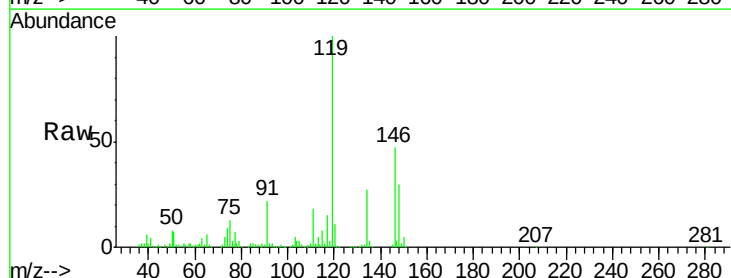
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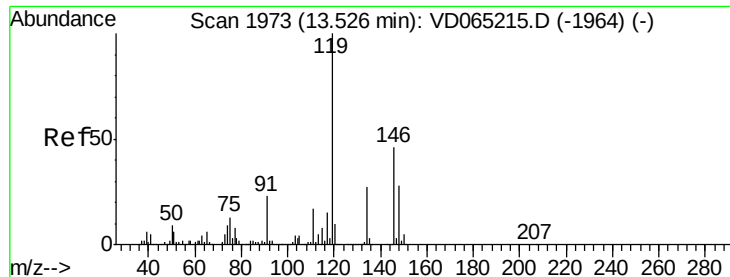
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#86
 p-Isopropyltoluene
 Concen: 21.429 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	21.7	11.1	33.1





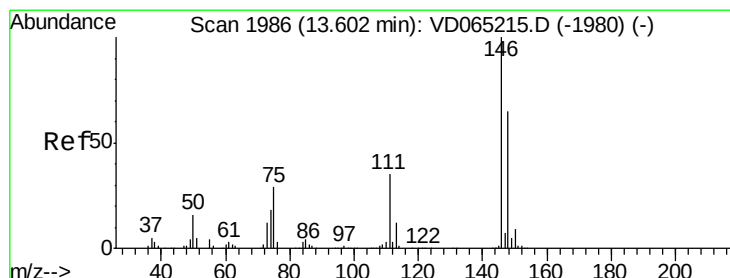
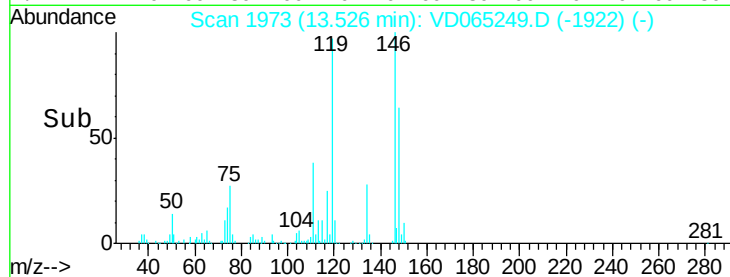
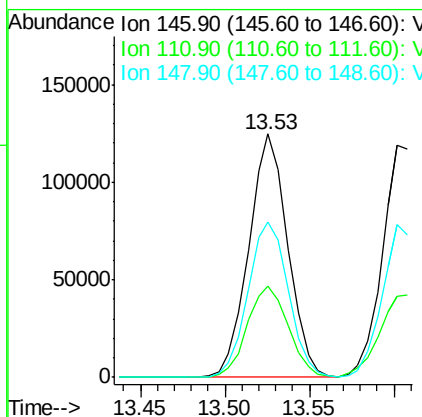
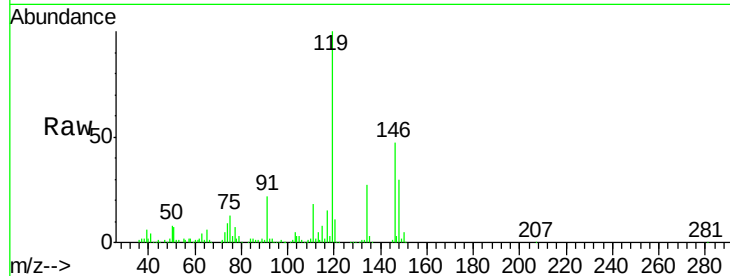
#87
 1,3-Dichlorobenzene
 Concen: 20.082 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199299		
111	39.4	18.6	55.8	
148	66.2	31.4	94.3	

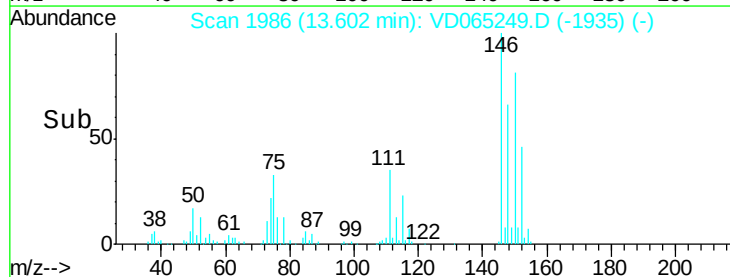
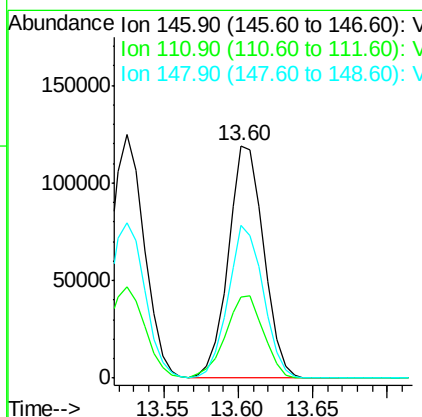
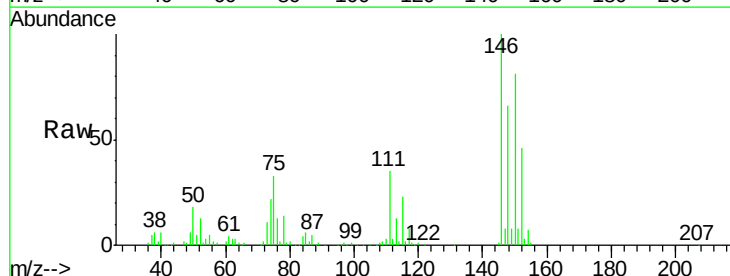
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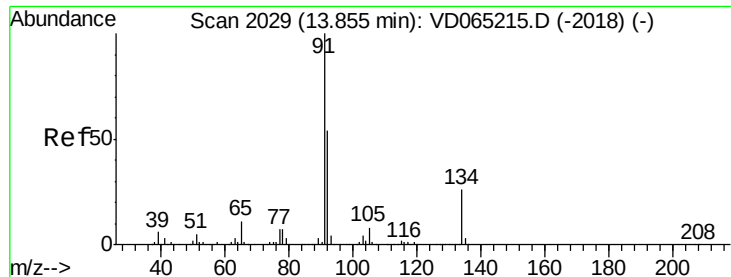
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#88
 1,4-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197039		
111	38.0	18.4	55.2	
148	65.3	32.1	96.5	





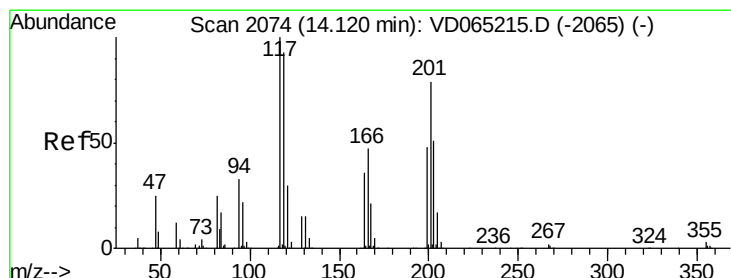
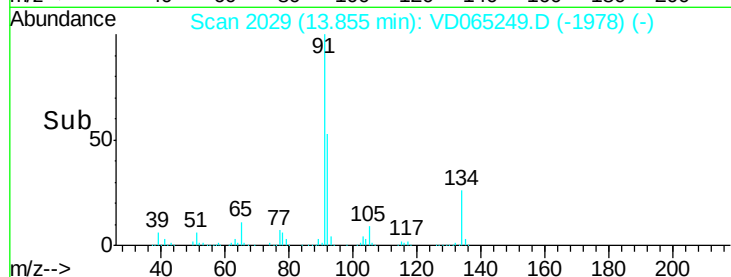
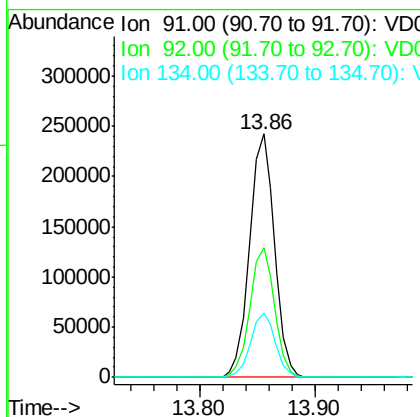
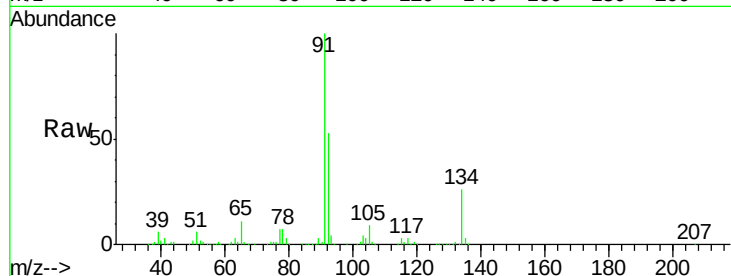
#89
n-Butylbenzene
Concen: 21.034 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	27.0	80.8	
134	26.3	13.5	40.4	

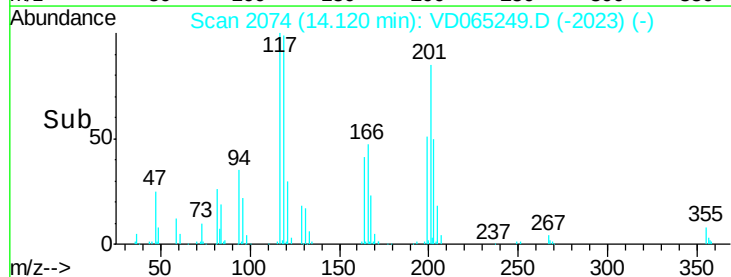
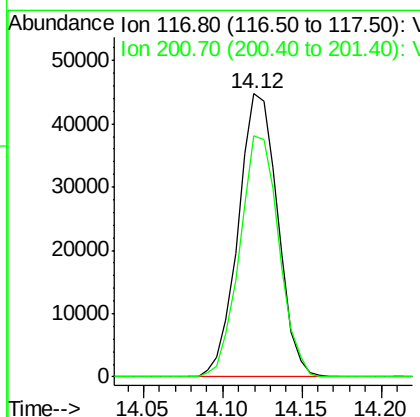
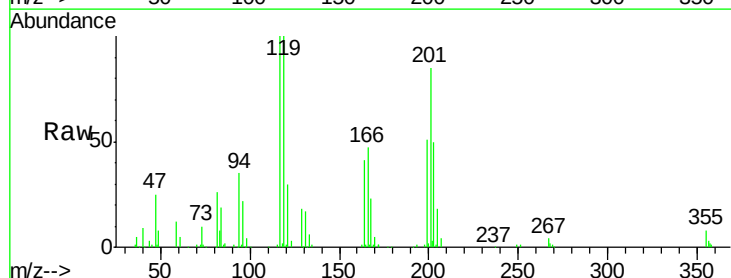
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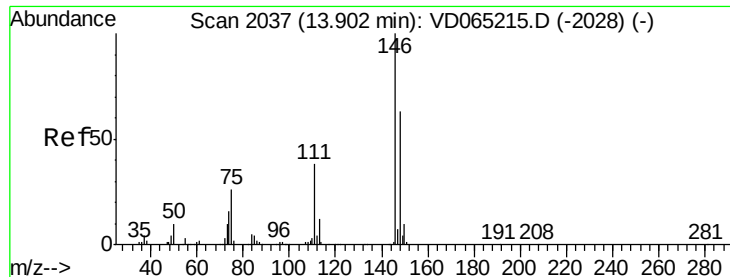
MMDadoda
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#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065249.D
Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.4	41.3	124.1	





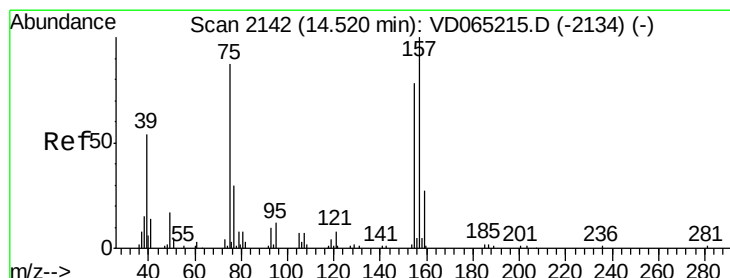
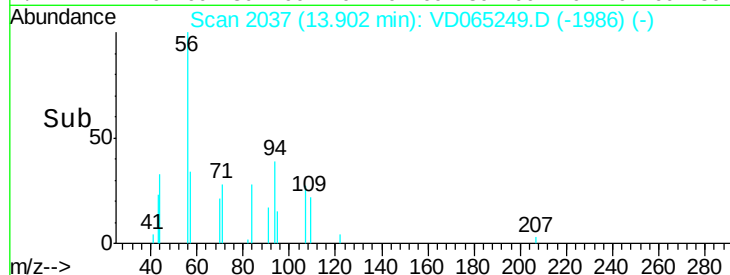
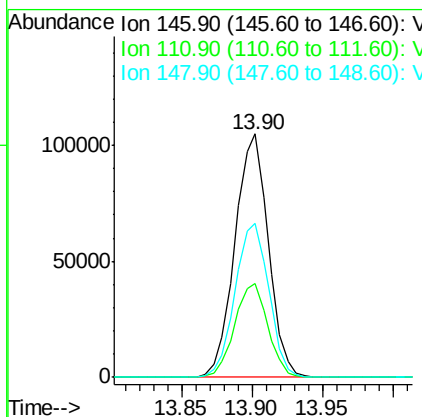
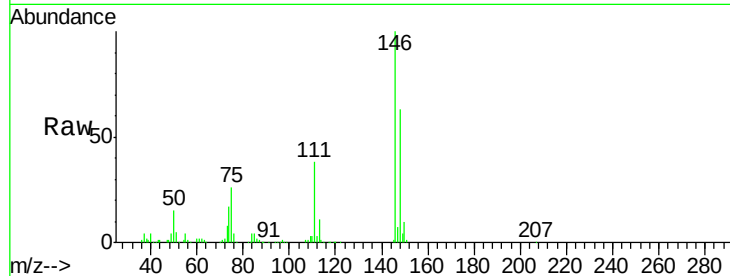
#91
 1,2-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.1	32.0	96.2

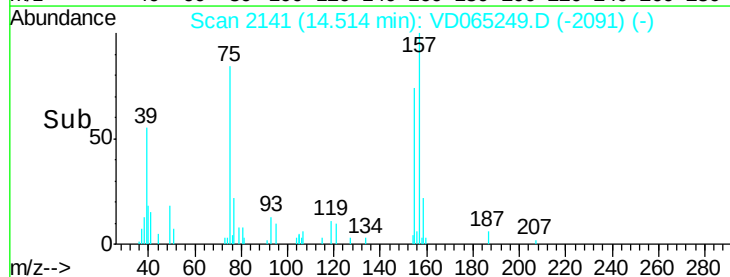
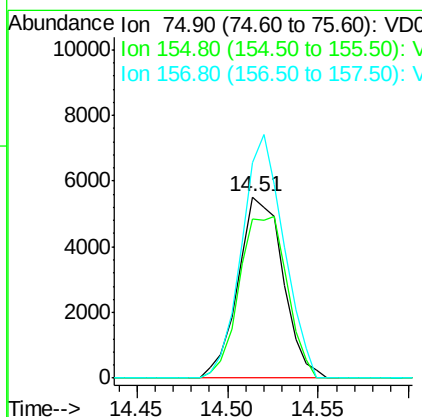
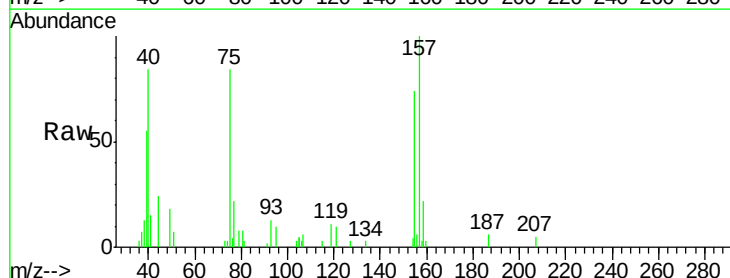
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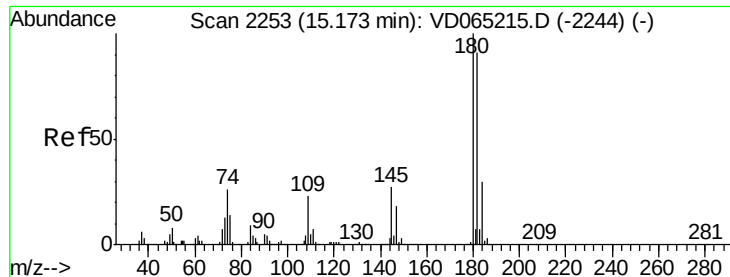
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.562 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	42.3	126.9
157	125.4	56.7	170.1





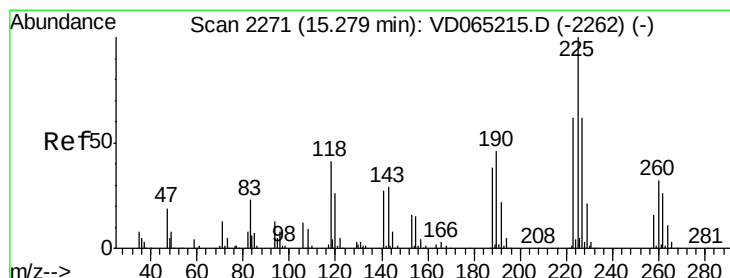
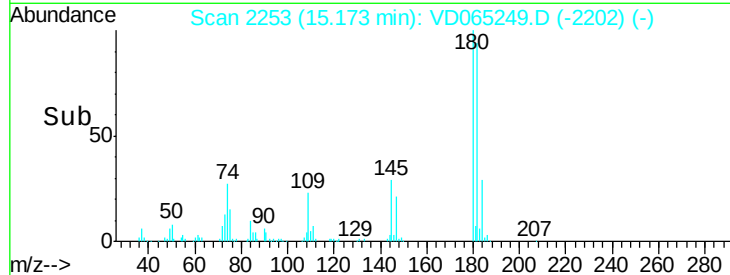
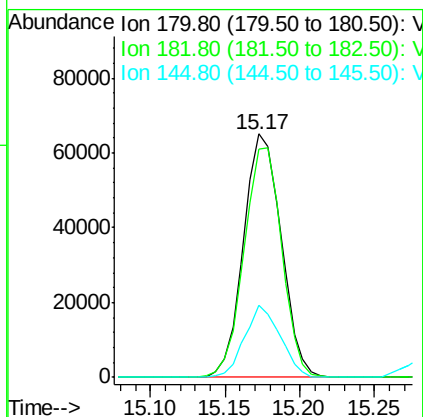
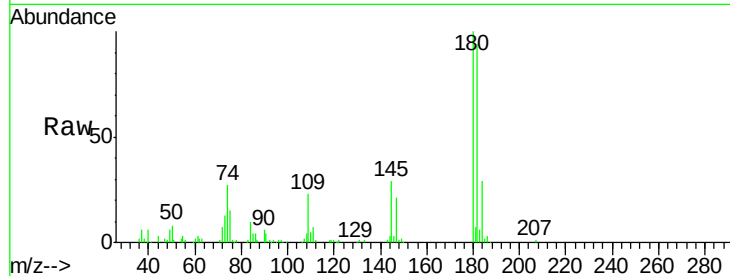
#93
 1,2,4-Trichlorobenzene
 Concen: 20.457 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114027		
182	94.0	46.9	140.6	
145	28.0	13.9	41.7	

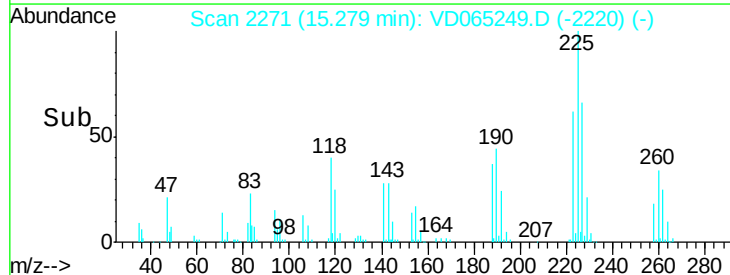
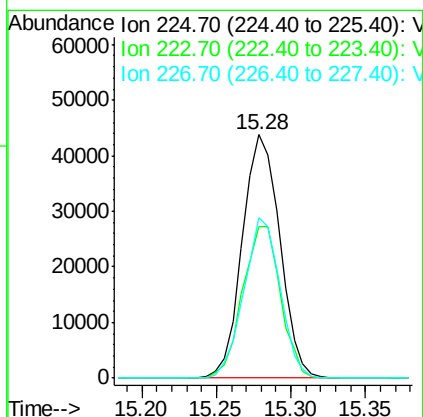
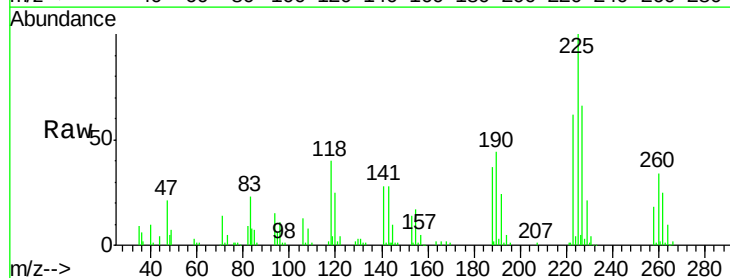
Manual Integrations
 APPROVED

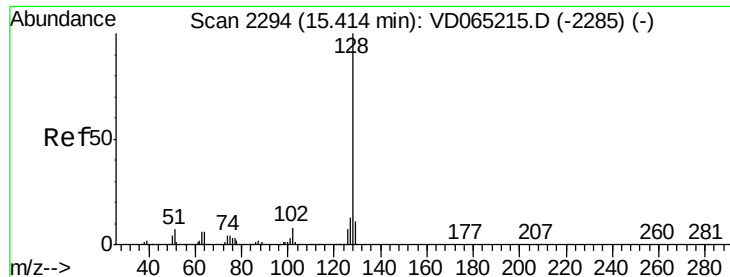
MMDadoda
 2/21/2020 3:22:52 PM



#94
 Hexachlorobutadiene
 Concen: 21.262 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065249.D
 Acq: 20 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76026		
223	63.0	31.4	94.2	
227	63.4	31.7	95.1	





#95

Naphthalene

Concen: 18.390 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Instrument :

MSVOA_D

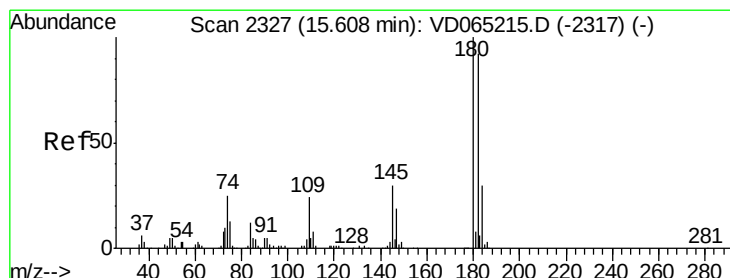
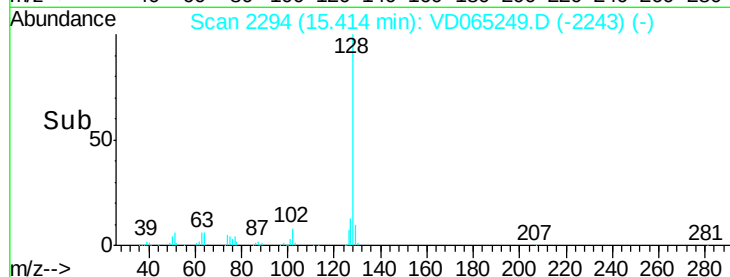
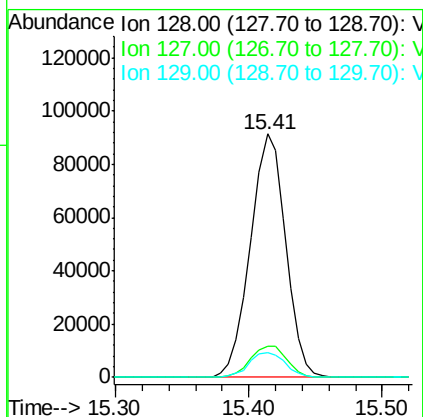
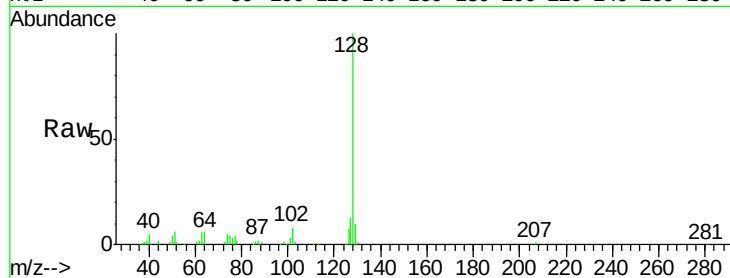
ClientSampleId :

VD0220SBS01

Tot Ion:	128	Resp:	166639
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.060 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065249.D

Acq: 20 Feb 2020 11:41

Tgt Ion:	180	Resp:	97657
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.9	140.6
145	28.9	15.4	46.1

