

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065173.D
 Acq On : 13 Feb 2020 11:49
 Operator : VA/SY
 Sample : VD0213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:52 PM

Quant Time: Feb 14 07:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	467919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206926	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	7.92	113	208192	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.34	98	800678	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.64	95	251980	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75466	19.381	ug/l	95
3) Chloromethane	2.21	50	97752	21.326	ug/l	92
4) Vinyl Chloride	2.35	62	98482	20.316	ug/l	100
5) Bromomethane	2.76	94	58655	18.661	ug/l	91
6) Chloroethane	2.92	64	62251	20.702	ug/l	98
7) Trichlorofluoromethane	3.27	101	141824	20.104	ug/l	99
8) Diethyl Ether	3.71	74	40468	19.982	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89129	20.667	ug/l	99
10) Methyl Iodide	4.30	142	83934	17.051	ug/l	100
11) Tert butyl alcohol	5.25	59	22962	94.500	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	80783	19.558	ug/l	96
13) Acrolein	3.93	56	27427	91.771	ug/l	99
14) Allyl chloride	4.71	41	134357	19.572	ug/l	97
15) Acrylonitrile	5.44	53	96436	108.916	ug/l	98
16) Acetone	4.17	43	99272	99.841	ug/l	99
17) Carbon Disulfide	4.40	76	262939	19.827	ug/l	99
18) Methyl Acetate	4.72	43	51913	24.990	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	174585	19.114	ug/l	95
20) Methylene Chloride	4.96	84	102167	21.055	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92960	19.893	ug/l	91
22) Diisopropyl ether	6.37	45	265735	20.523	ug/l	99
23) Vinyl Acetate	6.31	43	722084	100.051	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162058	20.677	ug/l	98
25) 2-Butanone	7.22	43	123070	103.765	ug/l	98
26) 2,2-Dichloropropane	7.21	77	141363	20.123	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99501	20.042	ug/l	99
28) Bromochloromethane	7.54	49	59743	20.109	ug/l	99
29) Tetrahydrofuran	7.57	42	76075	106.065	ug/l	96
30) Chloroform	7.71	83	163333	20.930	ug/l	96
31) Cyclohexane	7.99	56	152924	19.330	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	146743	20.186	ug/l	99
36) 1,1-Dichloropropene	8.11	75	126610	19.451	ug/l	99
37) Ethyl Acetate	7.30	43	56924	21.406	ug/l	96
38) Carbon Tetrachloride	8.10	117	131667	19.805	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148196	18.445	ug/l	97
40) Benzene	8.36	78	365733	20.347	ug/l	97
41) Methacrylonitrile	7.53	41	30732	20.977	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	103918	20.290	ug/l	98
43) Isopropyl Acetate	8.46	43	101249	19.904	ug/l	99
44) Trichloroethene	9.12	130	103432	20.047	ug/l	100
45) 1,2-Dichloropropane	9.39	63	91168	21.154	ug/l	100
46) Dibromomethane	9.48	93	48701	21.505	ug/l	97
47) Bromodichloromethane	9.67	83	126137	21.139	ug/l	100
48) Methyl methacrylate	9.46	41	48635	19.869	ug/l	97
49) 1,4-Dioxane	9.47	88	10911	406.775	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	262841	104.973	ug/l	99
52) Toluene	10.41	92	232998	20.309	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	116224	20.005	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	139400	20.062	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65094	20.955	ug/l	95
56) Ethyl methacrylate	10.67	69	78123	19.877	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112207	20.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	130282	90.465	ug/l	100
59) 2-Hexanone	10.99	43	187552	105.749	ug/l	100
60) Dibromochloromethane	11.14	129	87354	21.711	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63769	21.010	ug/l	98
64) Tetrachloroethene	10.88	164	88562	19.374	ug/l	97
65) Chlorobenzene	11.68	112	249477	20.275	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90992	20.036	ug/l	98
67) Ethyl Benzene	11.75	91	432355	19.340	ug/l	98
68) m/p-Xylenes	11.86	106	335162	39.282	ug/l	100
69) o-Xylene	12.18	106	147313	19.173	ug/l	98
70) Styrene	12.20	104	264200	19.784	ug/l	99
71) Bromoform	12.37	173	51011	20.869	ug/l #	99
73) Isopropylbenzene	12.48	105	401768	18.510	ug/l	100
74) N-amyl acetate	12.30	43	88512	18.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75286	22.039	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	49583m	20.709	ug/l	
77) Bromobenzene	12.77	156	100816	19.278	ug/l	99
78) n-propylbenzene	12.83	91	491650	19.342	ug/l	100
79) 2-Chlorotoluene	12.91	91	268125	18.924	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	336771	18.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24239	20.247	ug/l	98
82) 4-Chlorotoluene	13.01	91	288051	19.357	ug/l	100
83) tert-Butylbenzene	13.23	119	277478	18.112	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	335664	19.040	ug/l	100
85) sec-Butylbenzene	13.41	105	399044	19.071	ug/l	99
86) p-Isopropyltoluene	13.53	119	366179	18.836	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191436	19.551	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188341	19.326	ug/l	99
89) n-Butylbenzene	13.86	91	340379	18.969	ug/l	100
90) Hexachloroethane	14.13	117	73138	19.868	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	163525	19.498	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11253	20.179	ug/l	97

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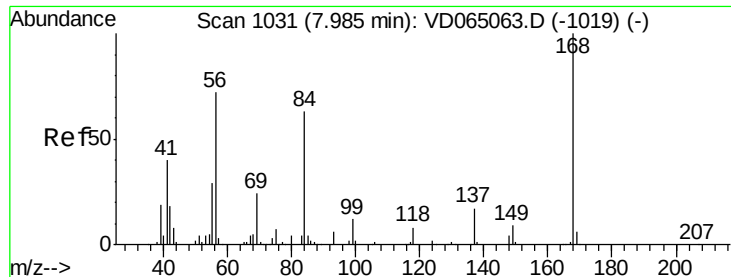
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109926	18.339	ug/l	98
94) Hexachlorobutadiene	15.28	225	68853	18.681	ug/l	97
95) Naphthalene	15.41	128	177956	17.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	98843	19.278	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBSD01

Tot Ion:168 Resp: 467919

Ion Ratio Lower Upper

168 100

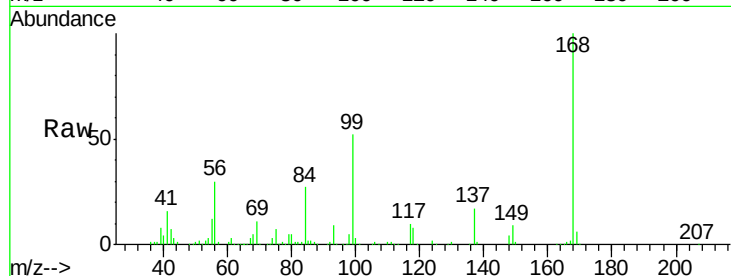
99 52.2 41.0 61.6

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

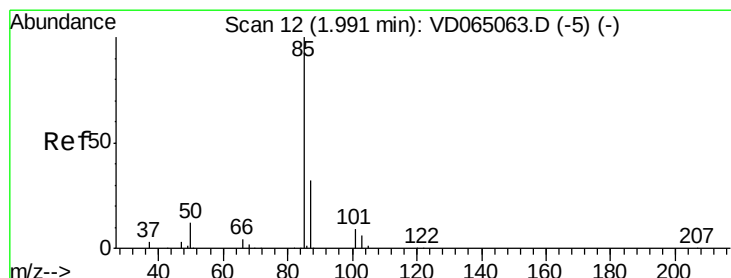
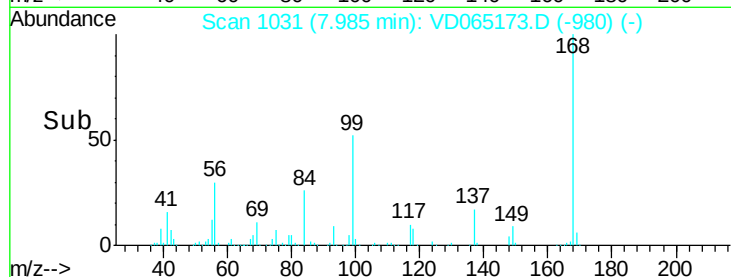
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.381 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065173.D

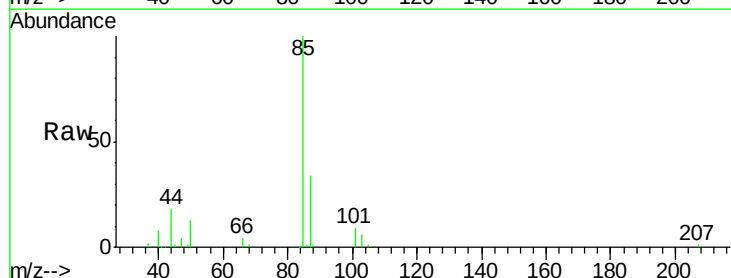
Acq: 13 Feb 2020 11:49

Tgt Ion: 85 Resp: 75466

Ion Ratio Lower Upper

85 100

87 34.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

20000

10000

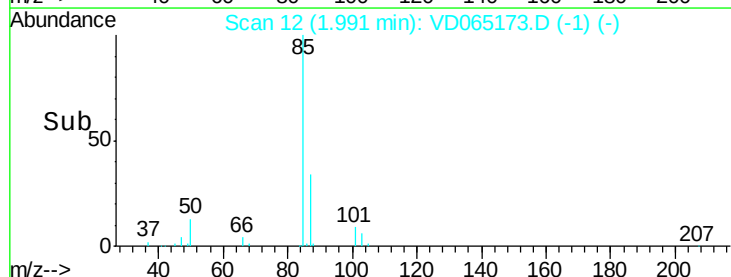
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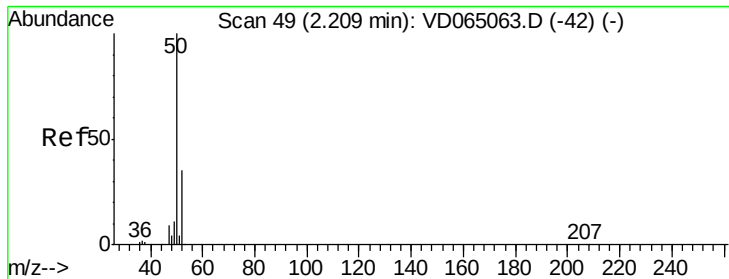
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 21.326 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBSD01

Tot Ion: 50 Resp: 97752

Ion Ratio Lower Upper

50 100

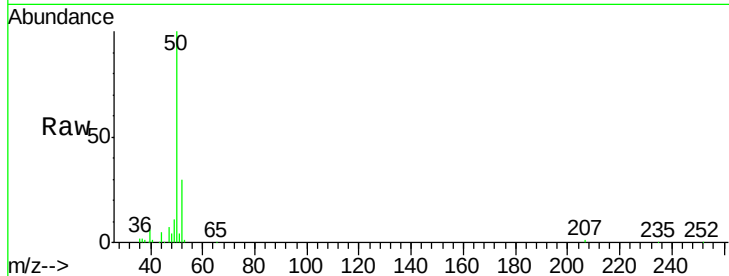
52 30.1 27.8 41.6

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

2.21

80000

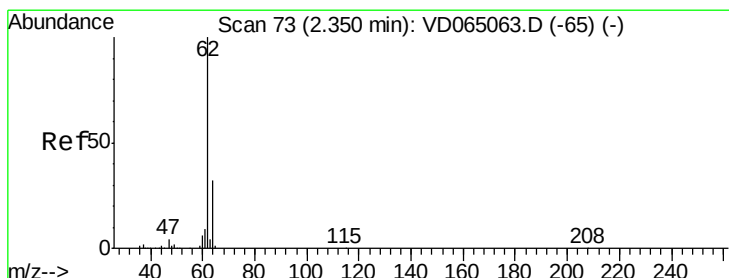
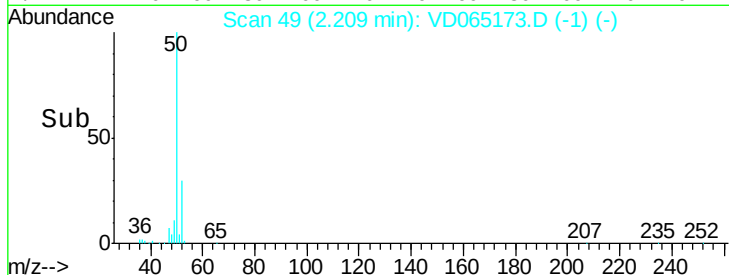
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.316 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065173.D

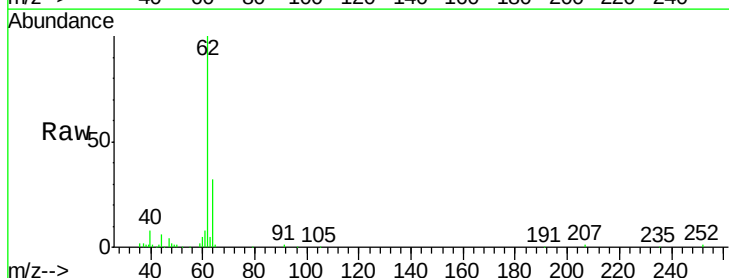
Acq: 13 Feb 2020 11:49

Tgt Ion: 62 Resp: 98482

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

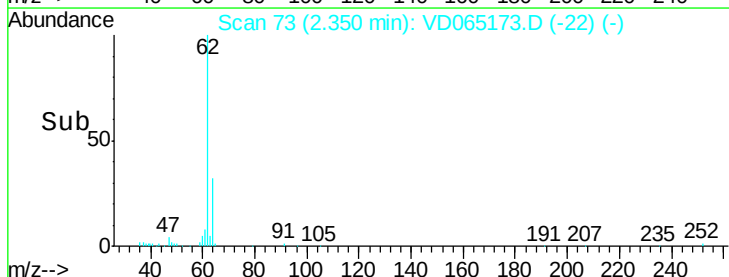
60000

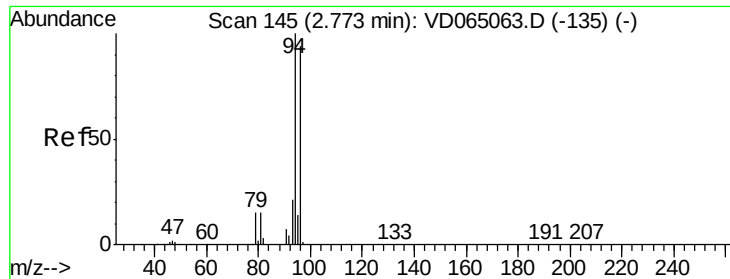
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.661 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 94 Resp: 58655

Ion Ratio Lower Upper

94 100

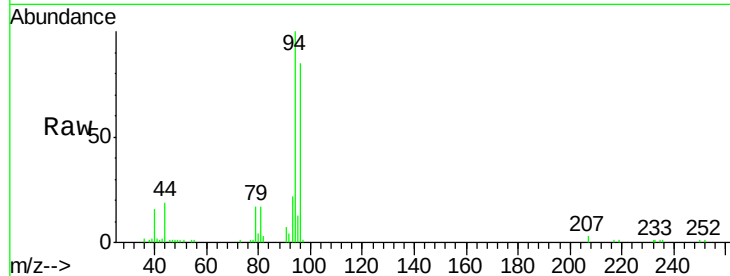
96 85.3 75.4 113.0

Manual Integrations

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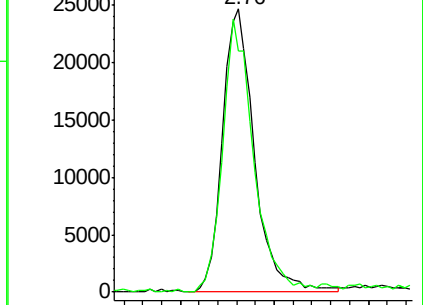
MMDadoda

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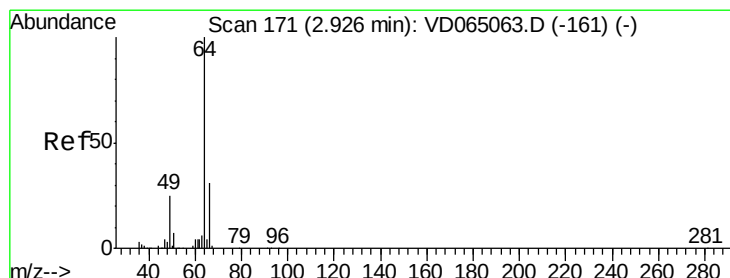
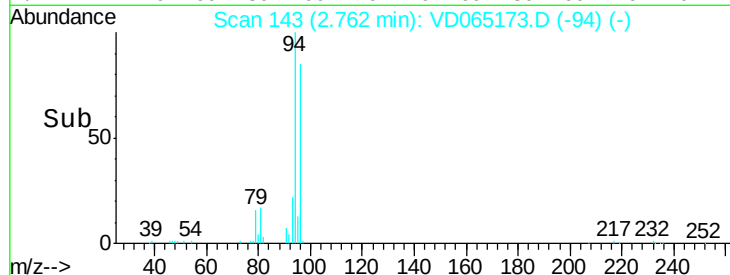


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 20.702 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065173.D

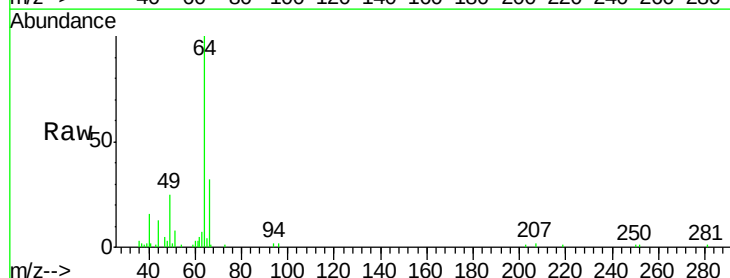
Acq: 13 Feb 2020 11:49

Tgt Ion: 64 Resp: 62251

Ion Ratio Lower Upper

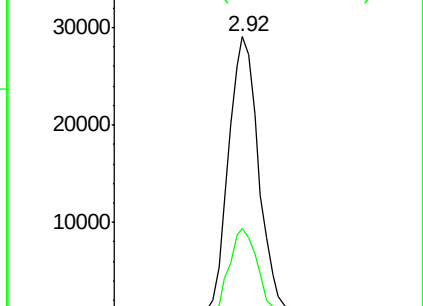
64 100

66 32.3 24.8 37.2

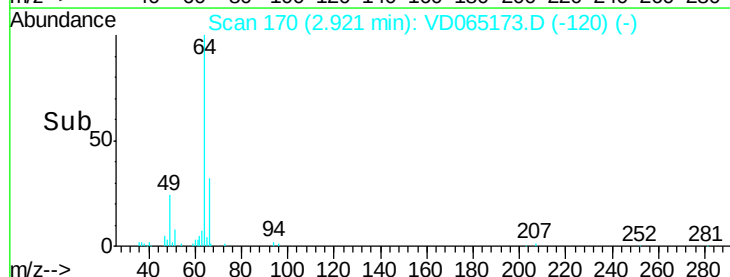


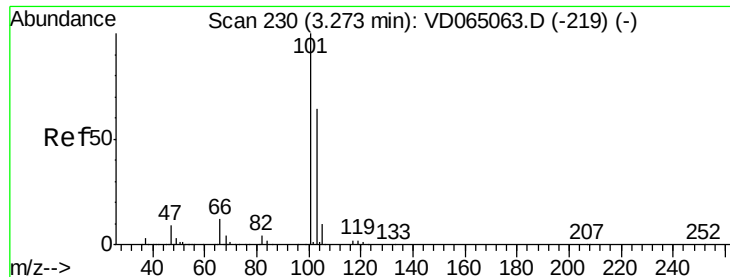
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 20.104 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion:101 Resp: 141824

Ion Ratio Lower Upper

101 100

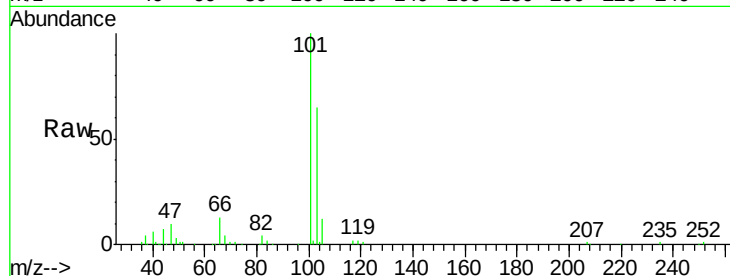
103 64.7 51.0 76.6

Manual Integrations

APPROVED

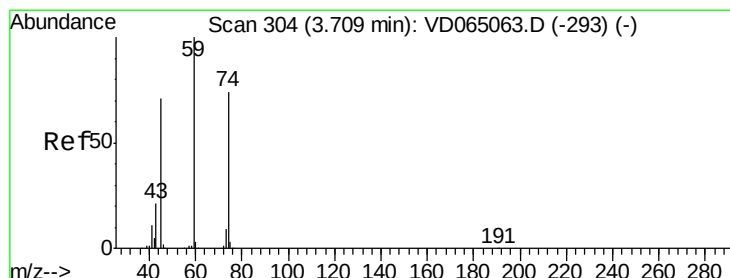
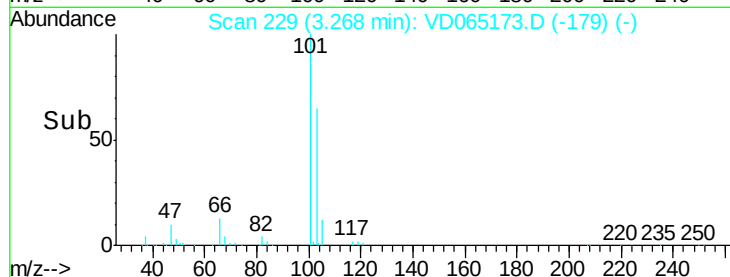
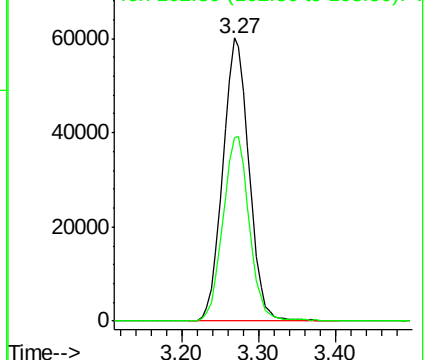
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.982 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065173.D

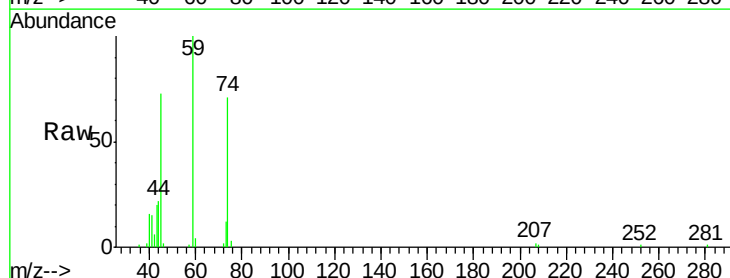
Acq: 13 Feb 2020 11:49

Tgt Ion: 74 Resp: 40468

Ion Ratio Lower Upper

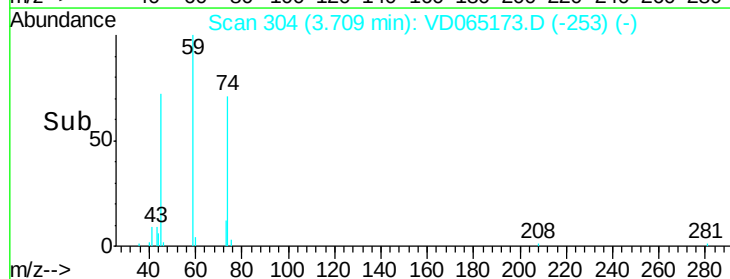
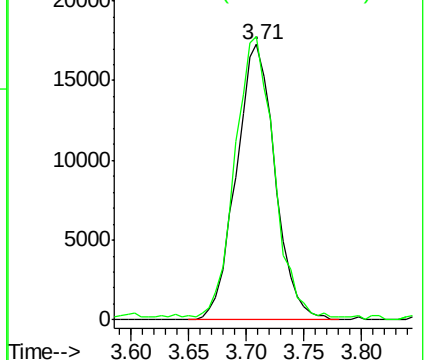
74 100

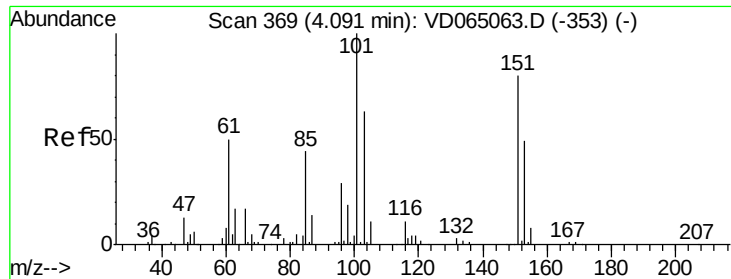
45 101.1 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.667 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

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MSVOA_D

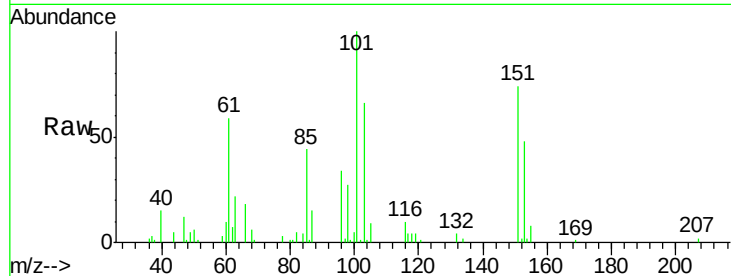
ClientSampleId :

VD0213SBS01

Tot Ion:	101	Resp:	89129
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.0	51.0
151	79.0	64.0	96.0

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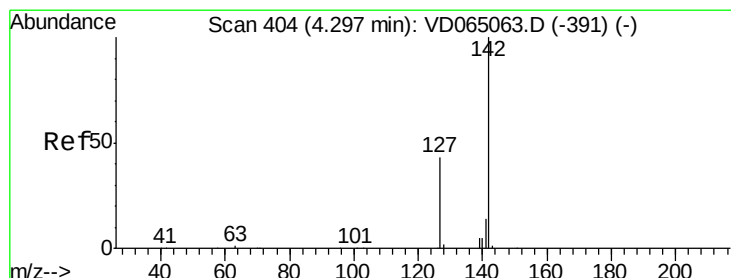
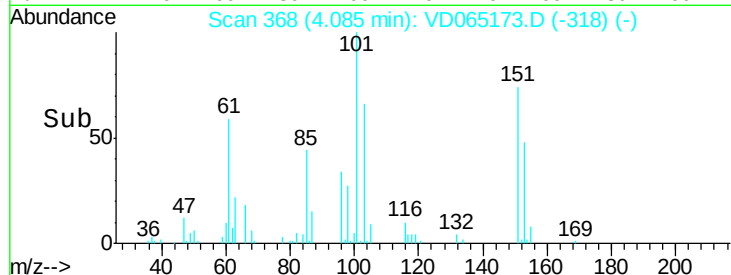
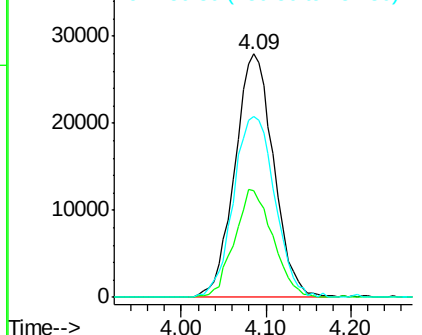
MMDadoda
2/14/2020 4:17:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.051 ug/l

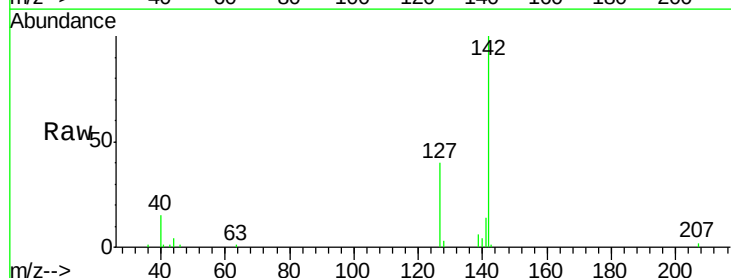
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

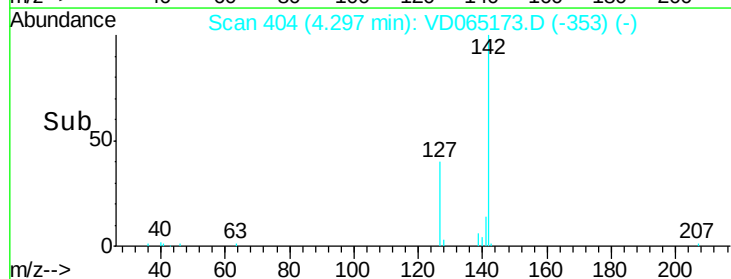
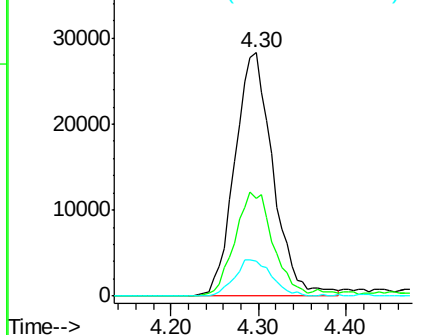
Tgt Ion:	142	Resp:	83934
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.0	51.0
141	14.4	11.6	17.4

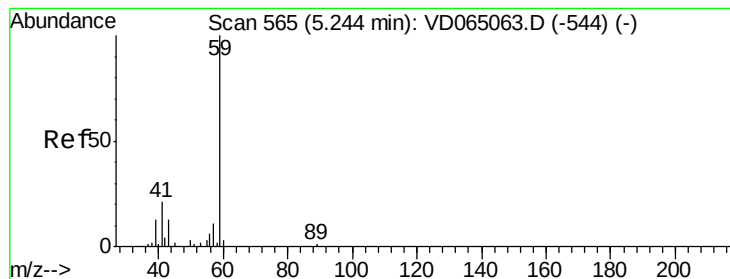


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

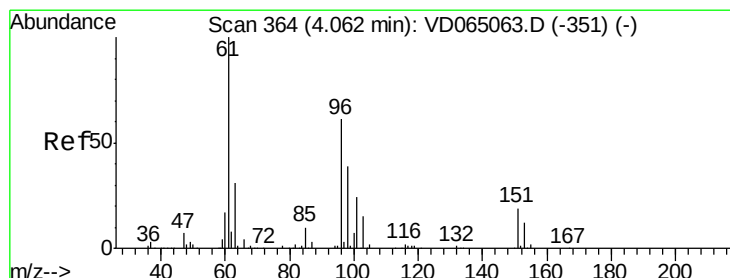
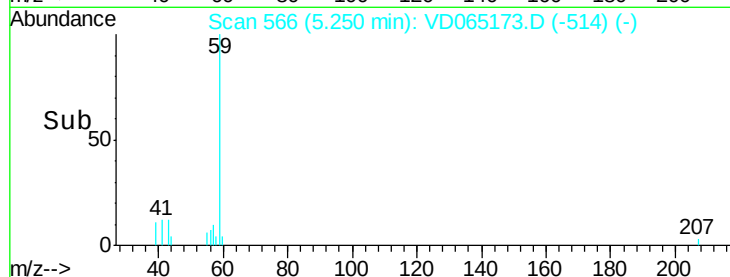
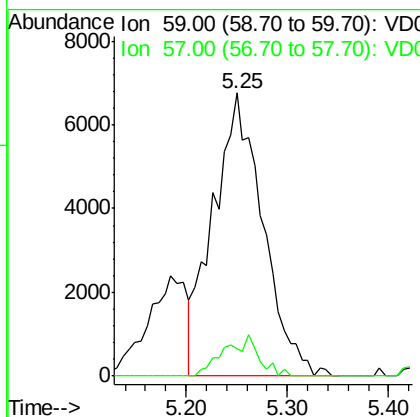
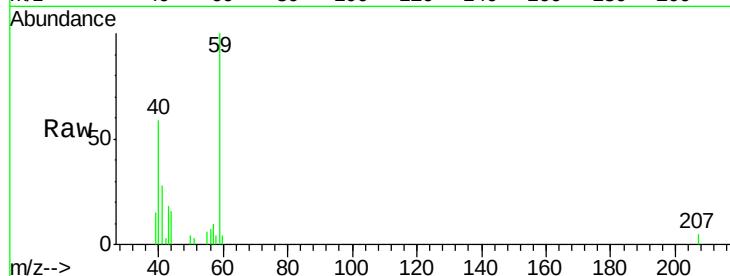
Tert butyl alcohol
 Concen: 94.500 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.8	13.2#

Manual Integrations
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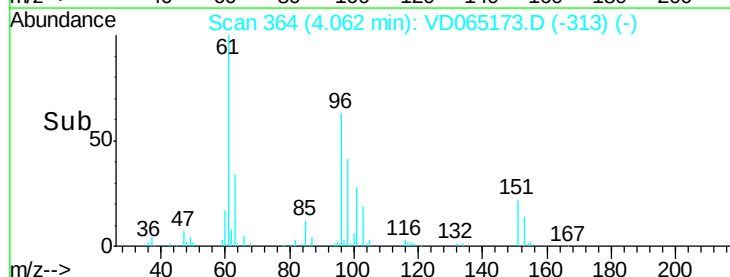
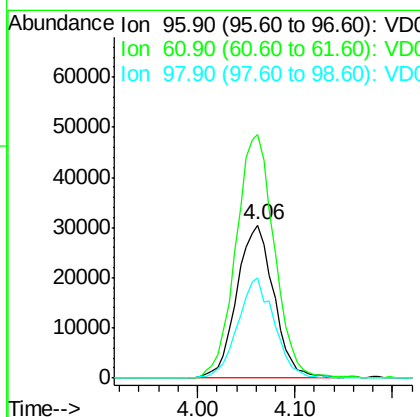
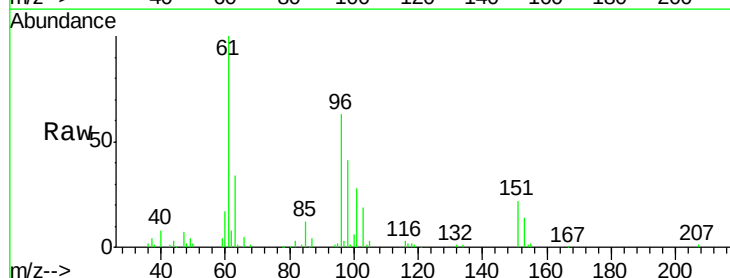
MMDadoda
 2/14/2020 4:17:52 PM

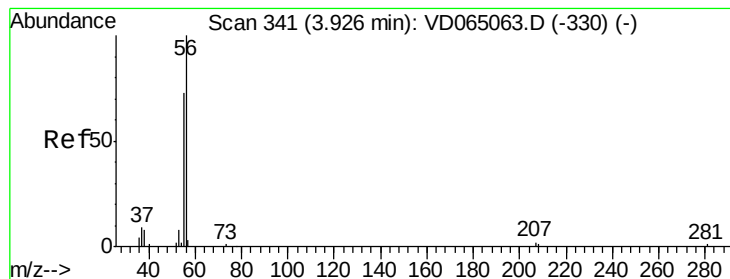


#12

1,1-Dichloroethene
 Concen: 19.558 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	131.4	197.2
98	65.6	51.1	76.7





#13

Acrolein

Concen: 91.771 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBSD01

Tot Ion: 56 Resp: 27427

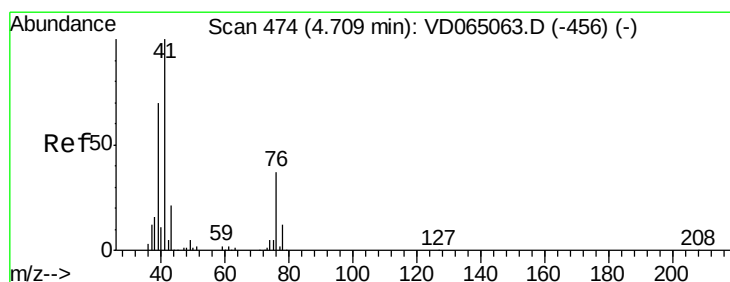
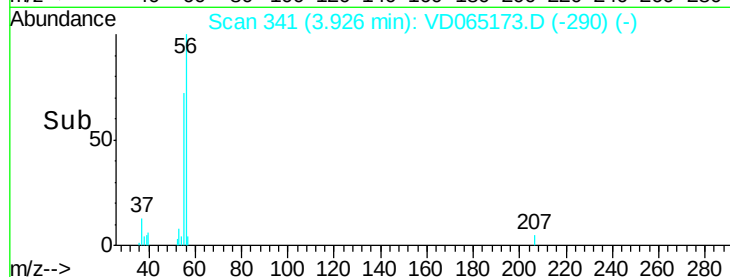
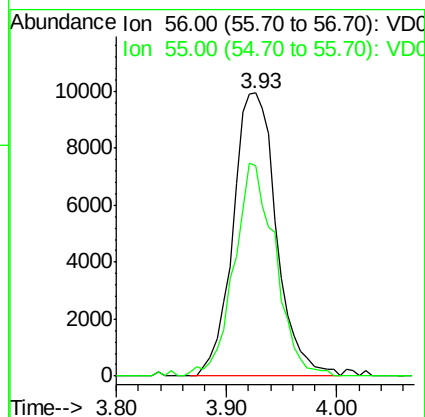
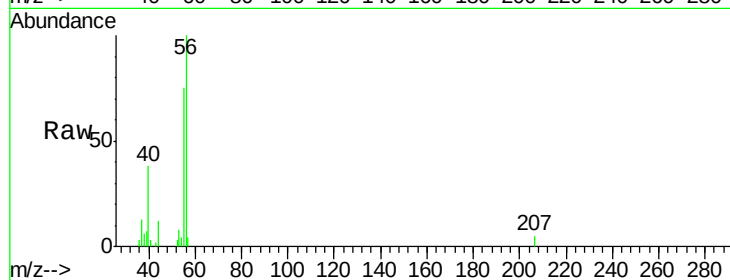
Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.2

Manual Integrations
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#14

Allyl chloride

Concen: 19.572 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

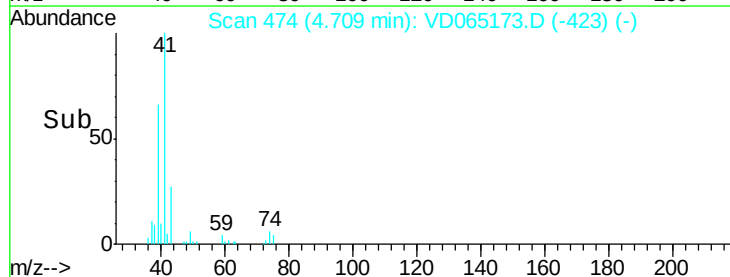
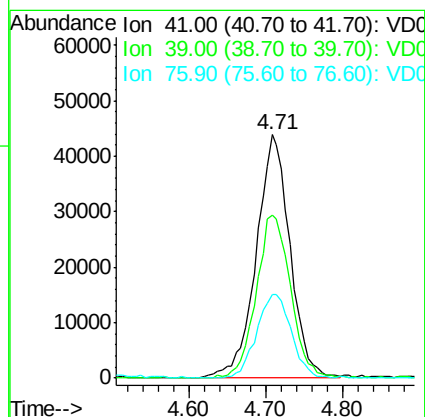
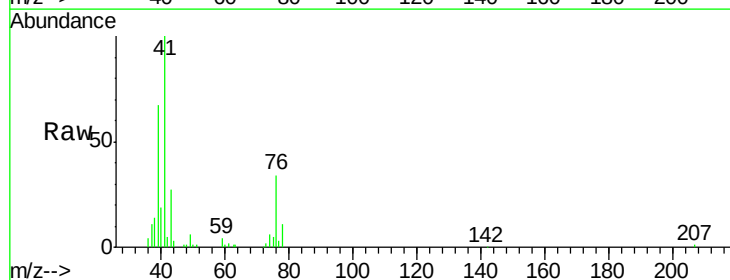
Tgt Ion: 41 Resp: 134357

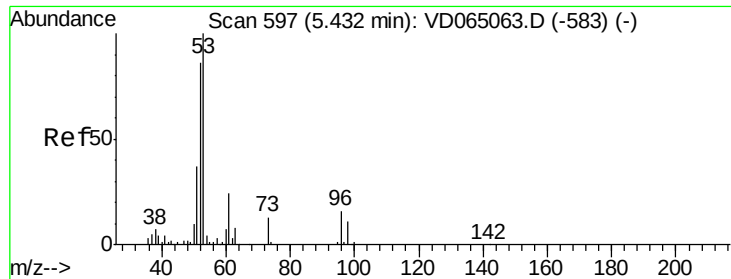
Ion Ratio Lower Upper

41 100

39 68.3 57.1 85.7

76 35.3 28.0 42.0





#15

Acrylonitrile

Concen: 108.916 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

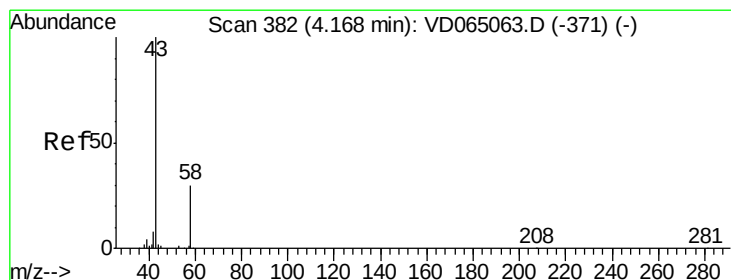
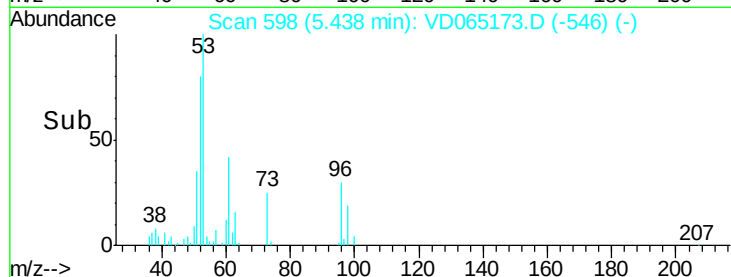
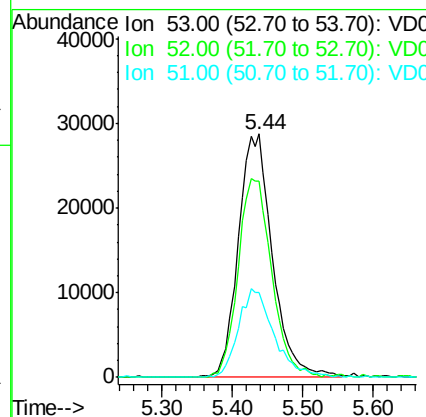
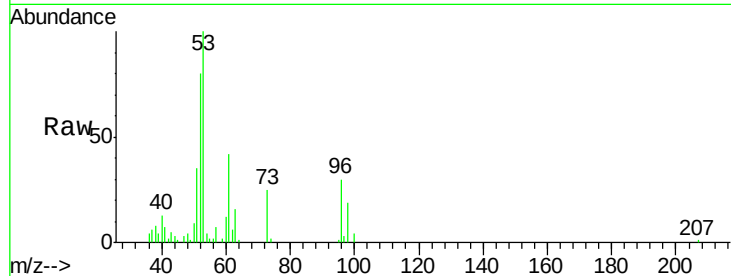
ClientSampleId :

VD0213SBS01

Tot Ion:	53	Resp:	96436
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.2	99.2
51	37.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 99.841 ug/l

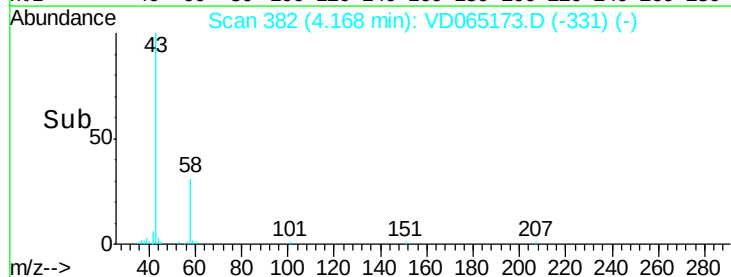
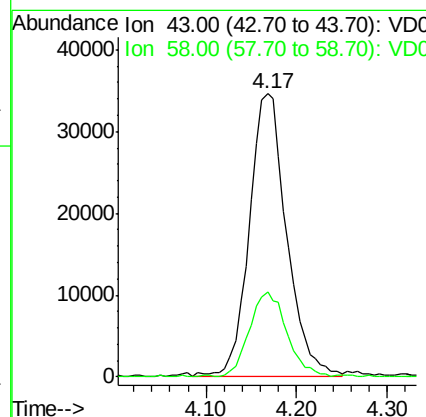
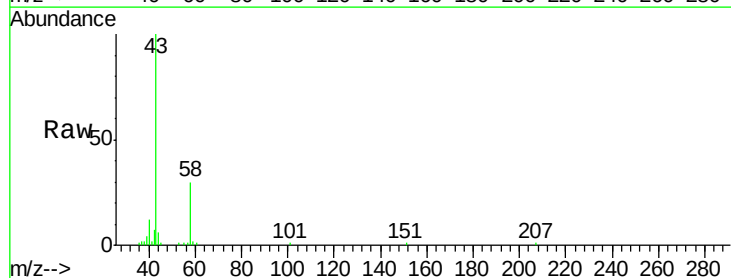
RT: 4.17 min Scan# 382

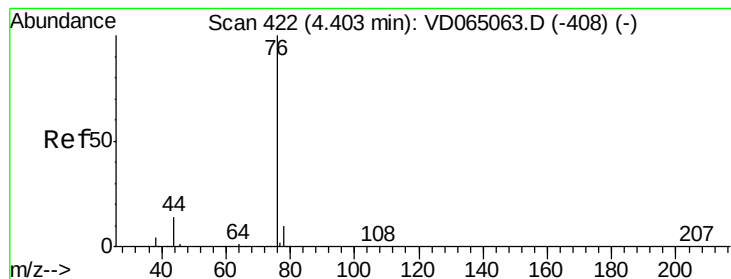
Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion:	43	Resp:	99272
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.5	35.3





#17

Carbon Disulfide

Concen: 19.827 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 76 Resp: 262939

Ion Ratio Lower Upper

76 100

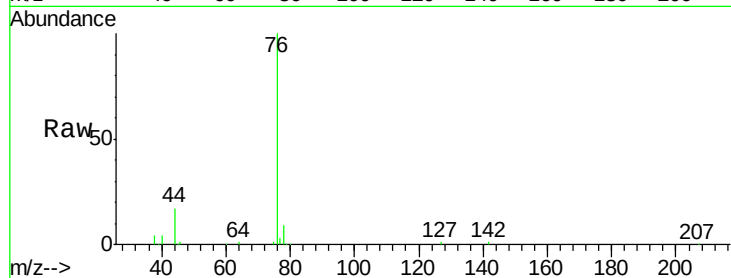
78 9.2 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

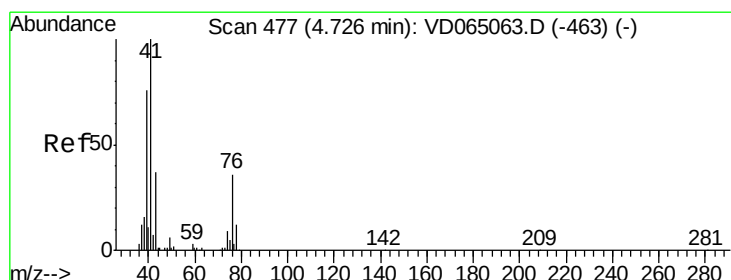
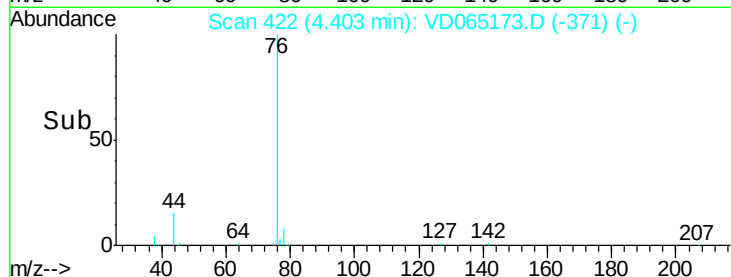
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.990 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065173.D

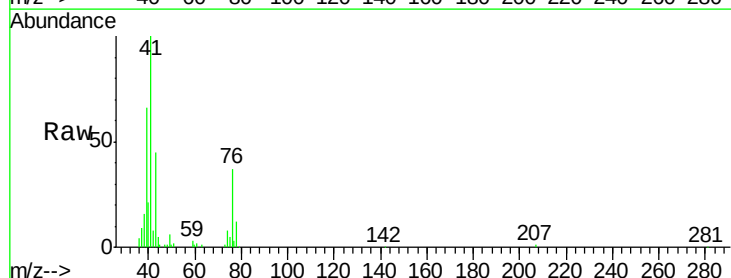
Acq: 13 Feb 2020 11:49

Tgt Ion: 43 Resp: 51913

Ion Ratio Lower Upper

43 100

74 21.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

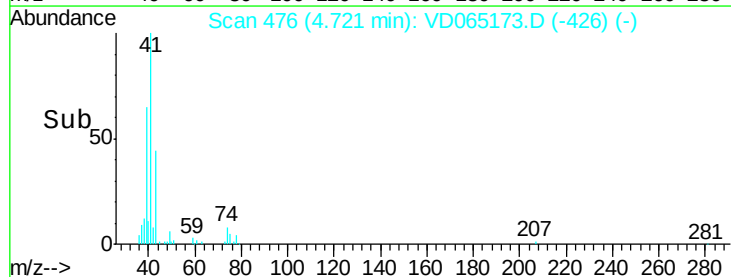
15000

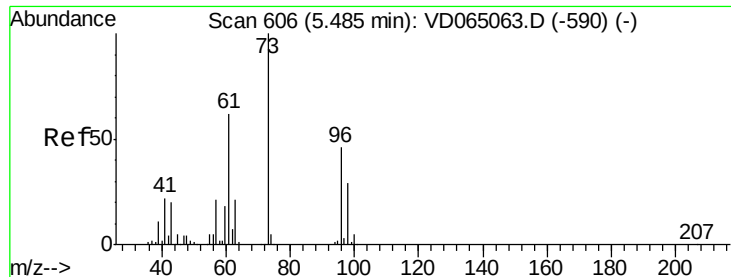
10000

5000

0

Time-->





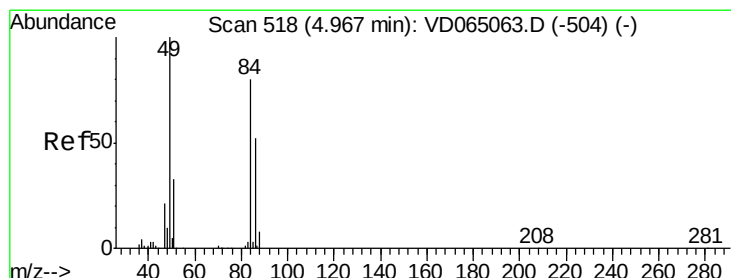
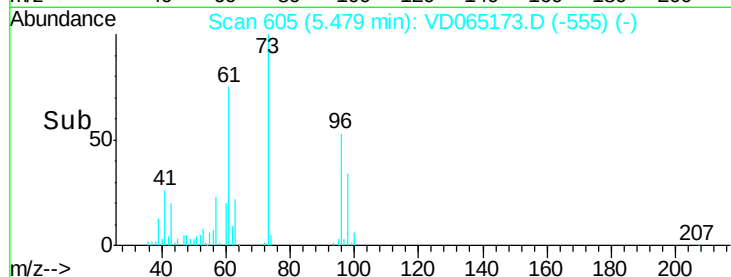
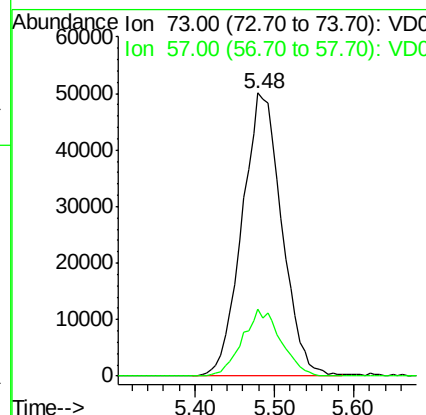
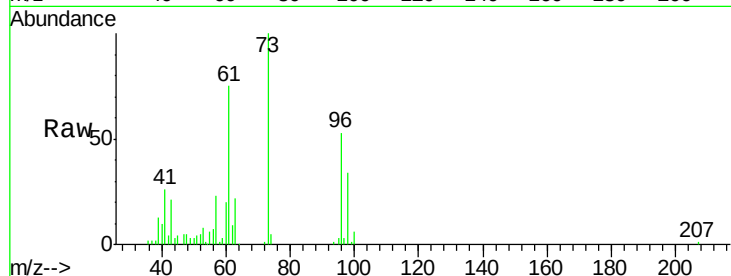
#19
Methyl tert-butyl Ether
Concen: 19.114 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion: 73 Resp: 174585
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2

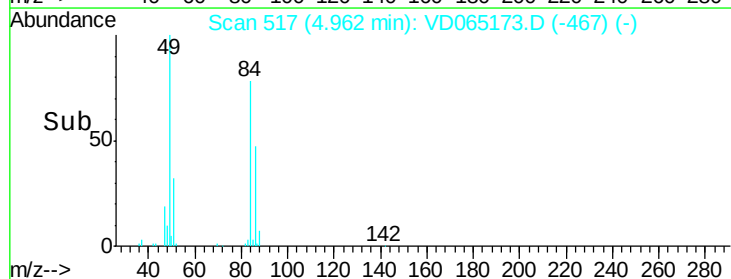
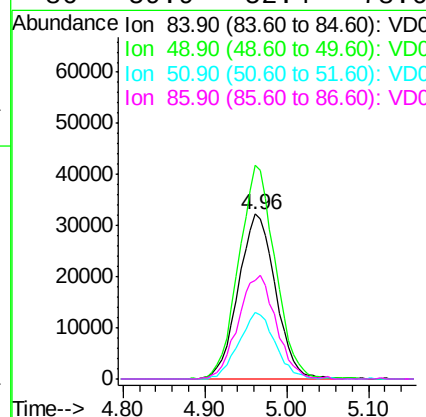
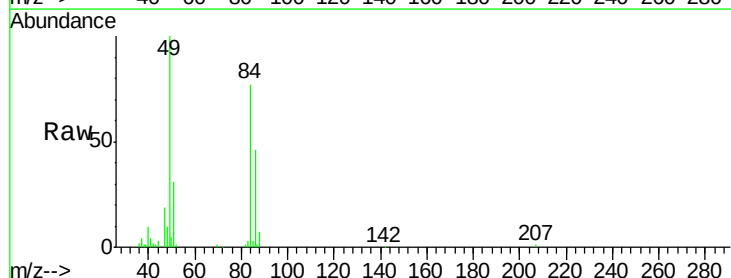
Manual Integrations
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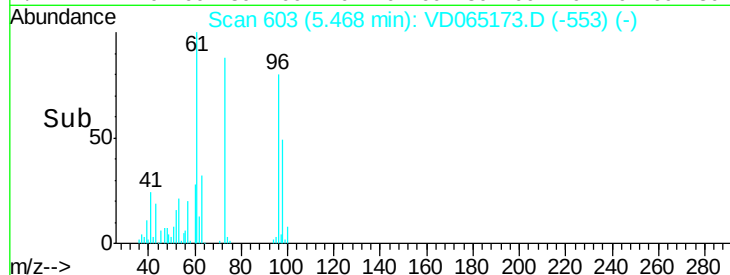
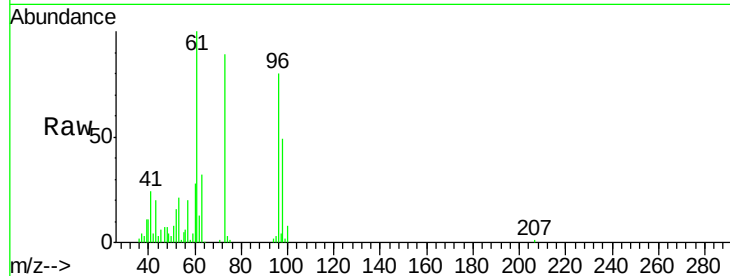
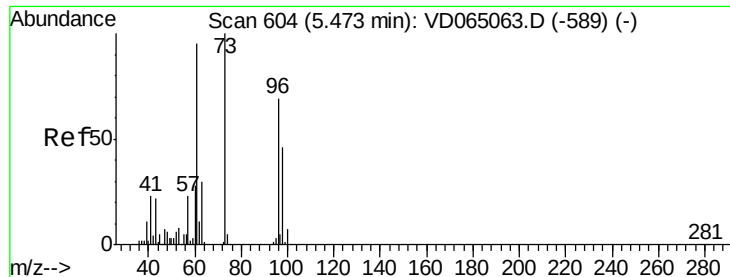
MMDadoda
2/14/2020 4:17:52 PM



#20
Methylene Chloride
Concen: 21.055 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion: 84 Resp: 102167
Ion Ratio Lower Upper
84 100
49 129.0 100.4 150.6
51 40.8 32.7 49.1
86 59.9 52.4 78.6





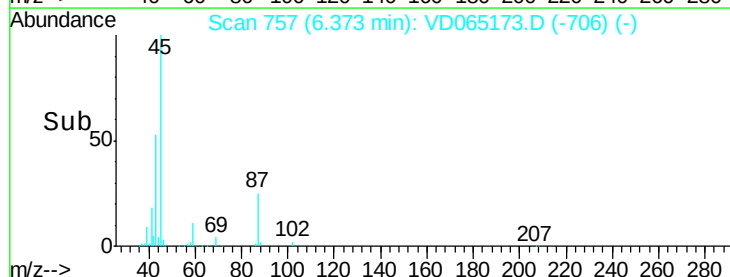
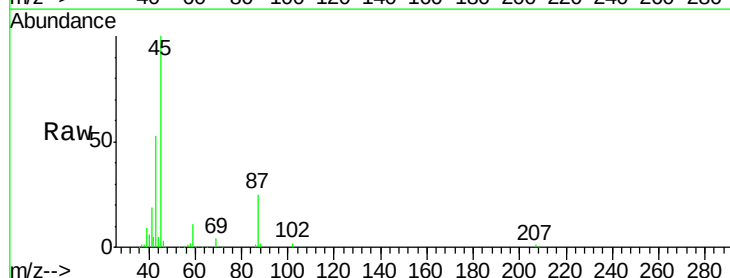
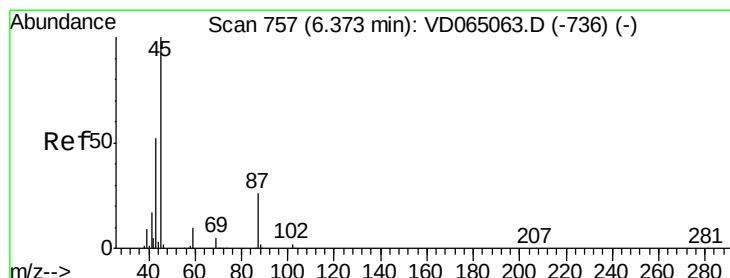
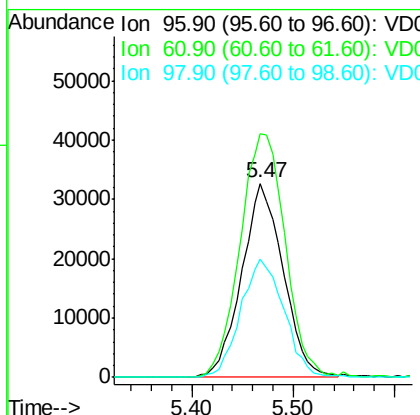
#21
trans-1,2-Dichloroethene
Concen: 19.893 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	125.4		109.5	164.3
98	98	60.9		53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

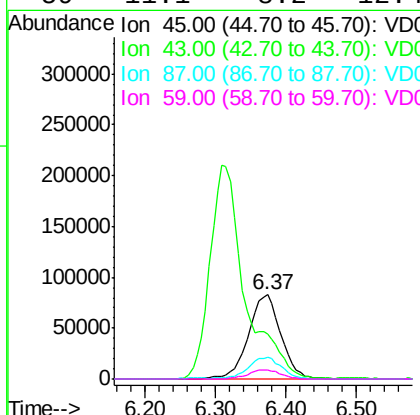
Manual Integrations
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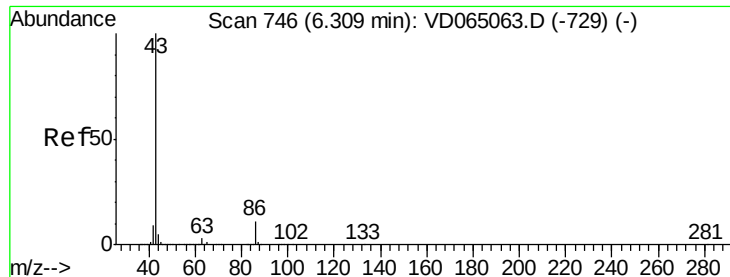
MMDadoda
2/14/2020 4:17:52 PM



#22
Diisopropyl ether
Concen: 20.523 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	45	100			
43	43	51.9		41.3	61.9
87	87	25.3		21.0	31.6
59	59	11.1		8.2	12.4





#23

Vinyl Acetate

Concen: 100.051 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 43 Resp: 722084

Ion Ratio Lower Upper

43 100

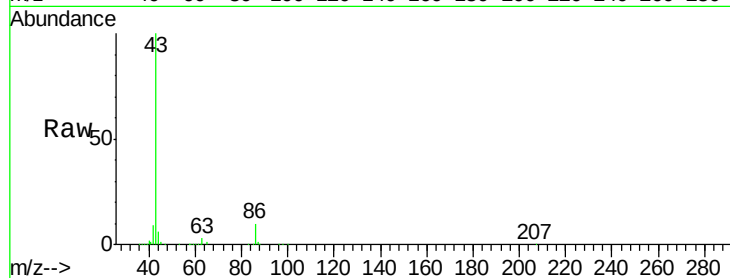
86 10.4 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

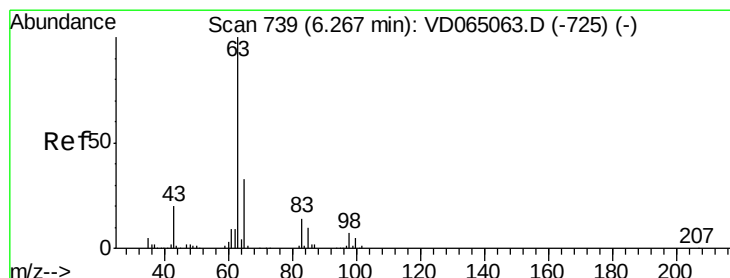
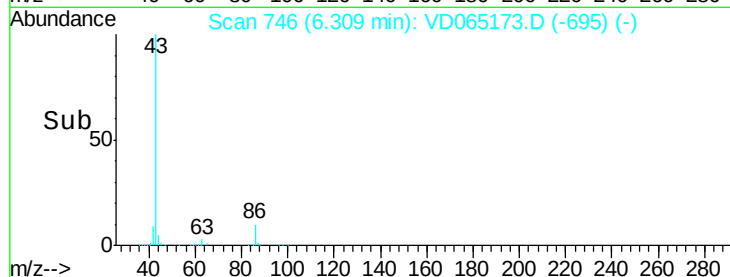
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.677 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

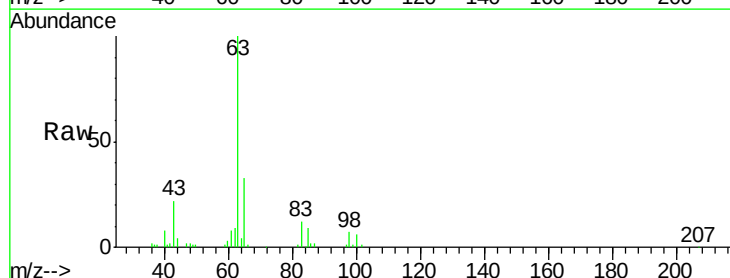
Tgt Ion: 63 Resp: 162058

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 5.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

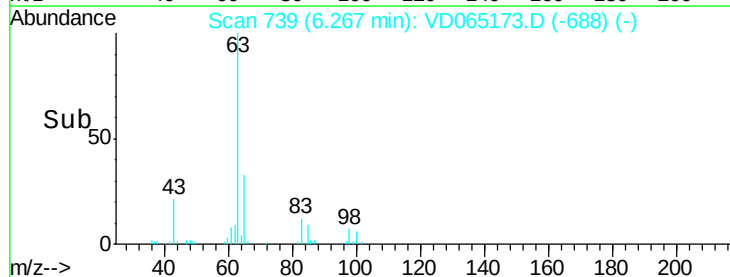
60000

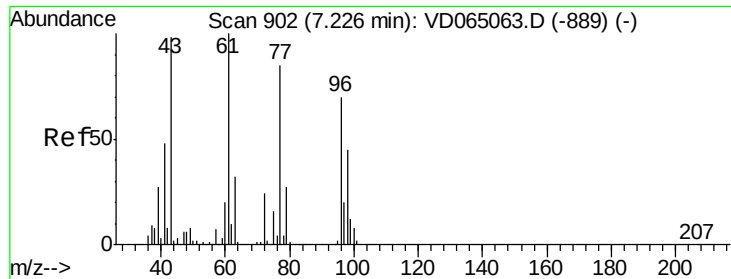
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.765 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 43 Resp: 123070

Ion Ratio Lower Upper

43 100

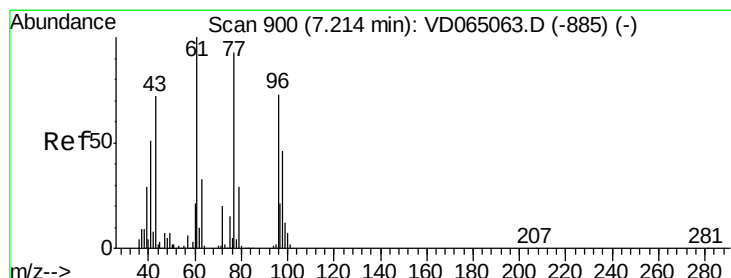
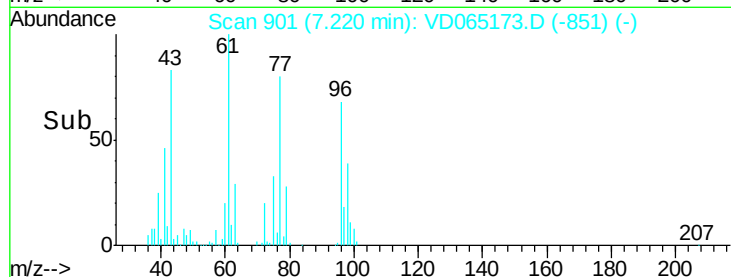
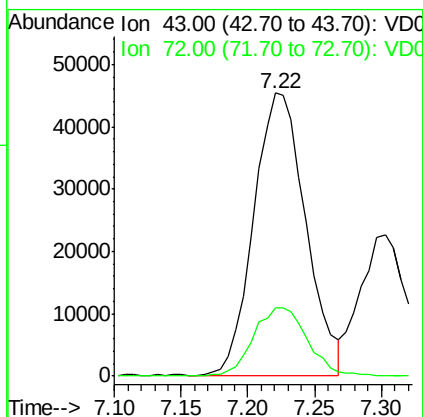
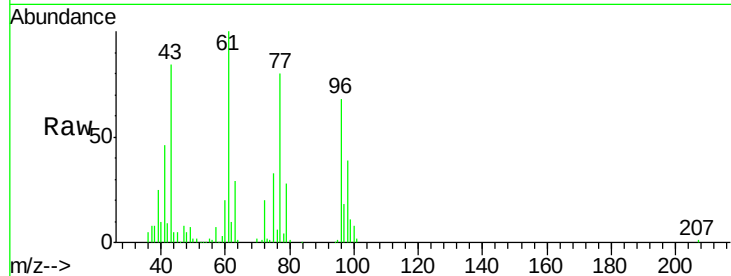
72 23.9 19.9 29.9

Manual Integrations

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2/14/2020 4:17:52 PM



#26

2,2-Dichloropropane

Concen: 20.123 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065173.D

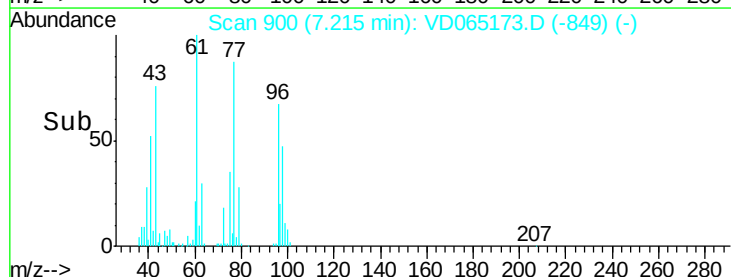
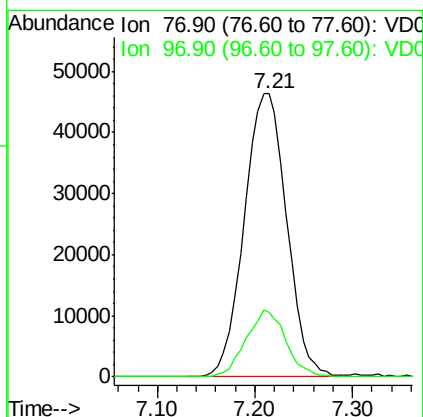
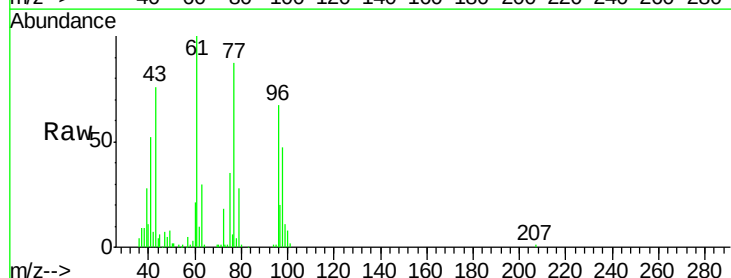
Acq: 13 Feb 2020 11:49

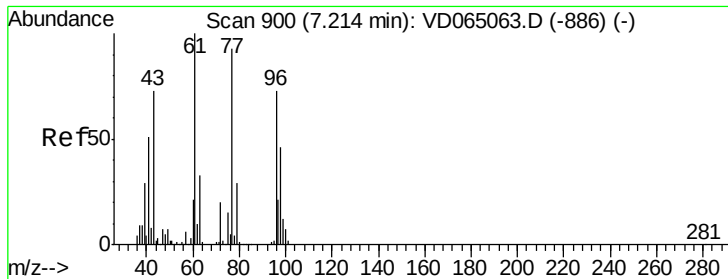
Tgt Ion: 77 Resp: 141363

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.6





#27

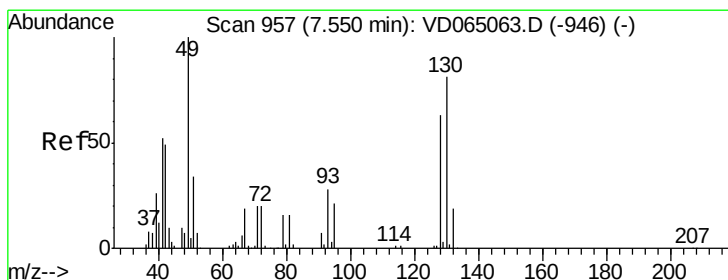
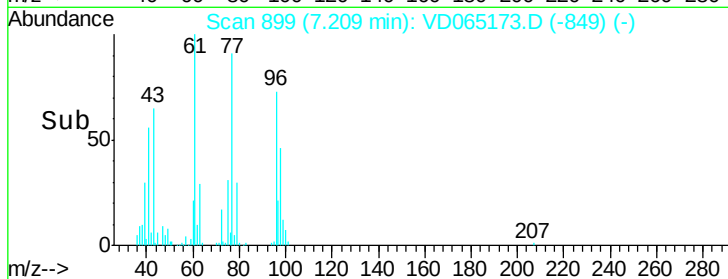
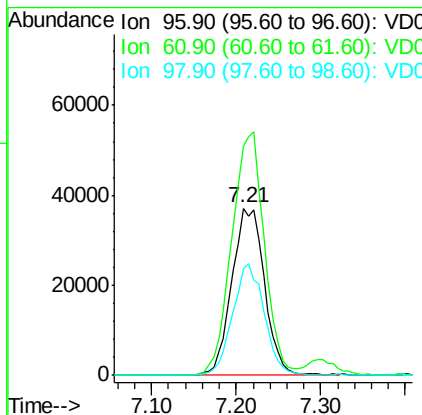
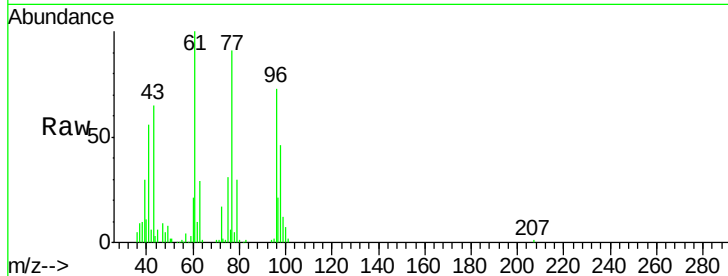
cis-1,2-Dichloroethene
Concen: 20.042 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	292.8
98	64.4	0.0	128.8

Manual Integrations
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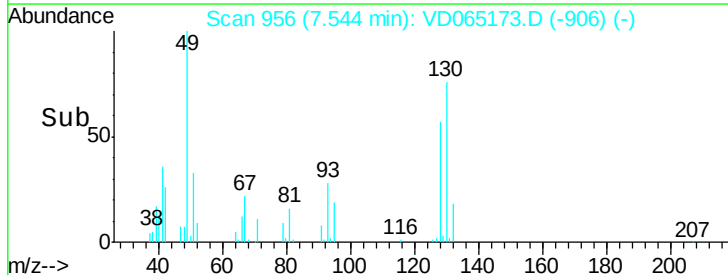
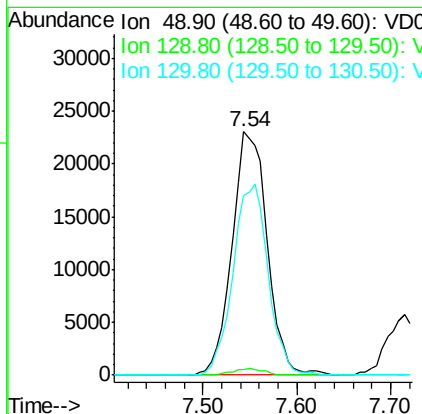
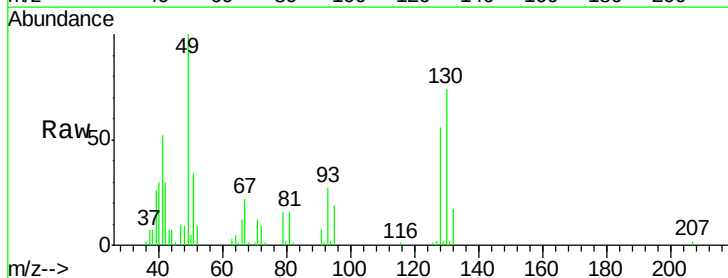
MMDadoda
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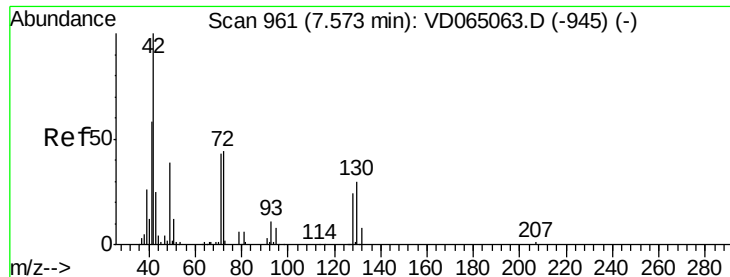


#28

Bromochloromethane
Concen: 20.109 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.5	63.8	95.8





#29

Tetrahydrofuran

Concen: 106.065 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

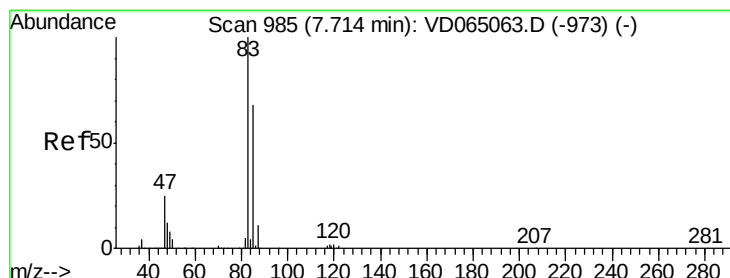
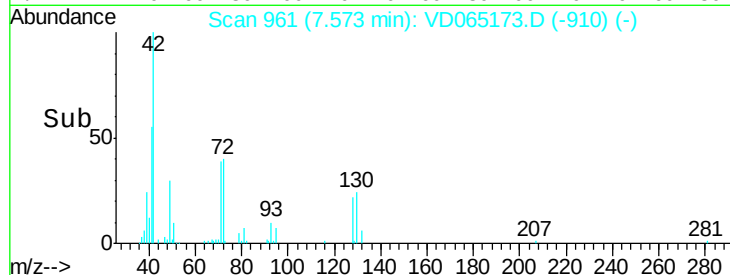
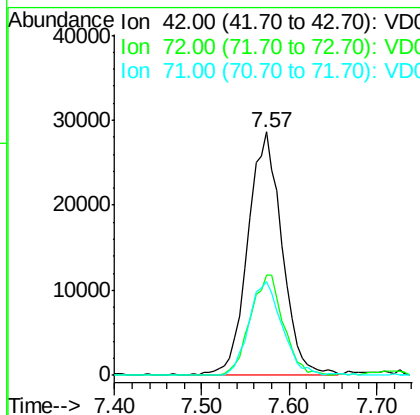
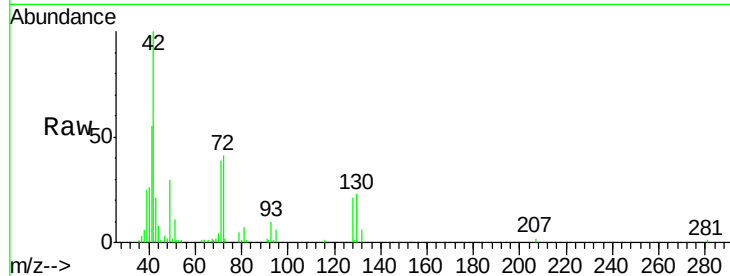
ClientSampleId :

VD0213SBS01

Tot Ion:	42	Resp:	76075
Ion Ratio	Lower	Upper	
42	100		
72	40.1	34.2	51.4
71	37.3	31.8	47.6

Manual Integrations
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#30

Chloroform

Concen: 20.930 ug/l

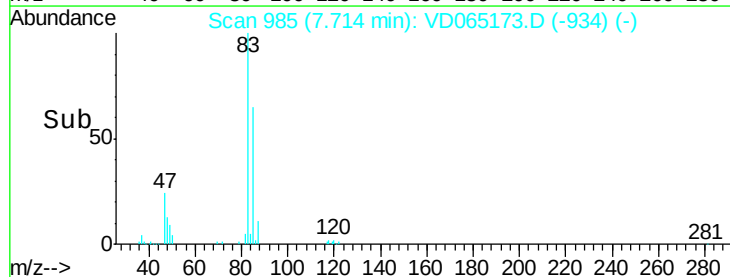
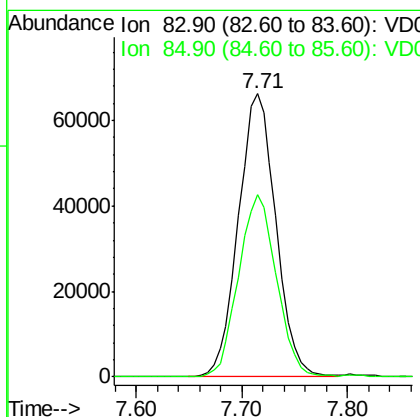
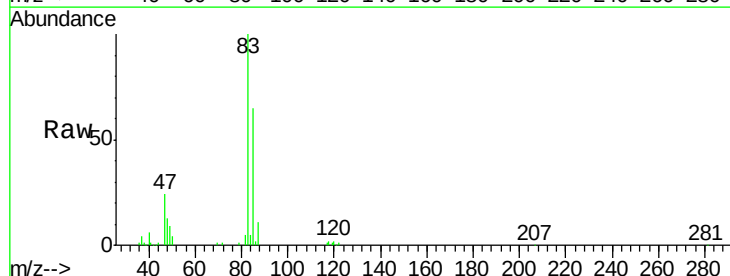
RT: 7.71 min Scan# 985

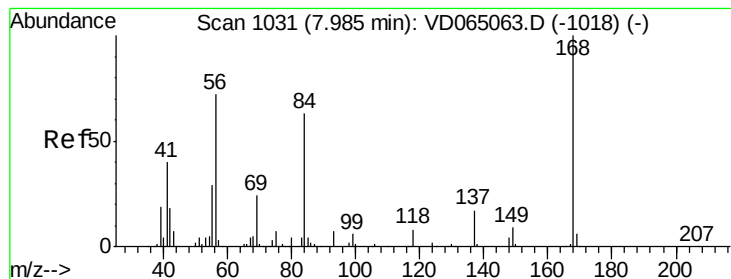
Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion:	83	Resp:	163333
Ion Ratio	Lower	Upper	
83	100		
85	64.6	54.2	81.4





#31

Cyclohexane

Concen: 19.330 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 56 Resp: 152924

Ion Ratio Lower Upper

56 100

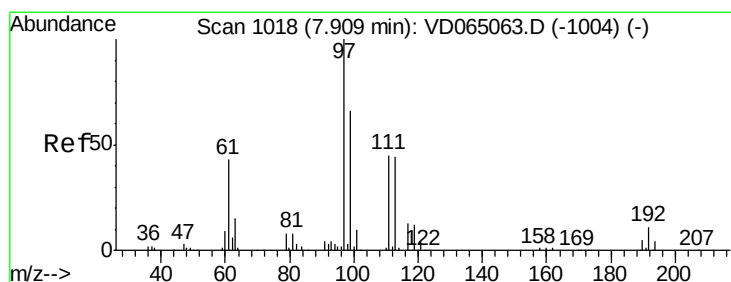
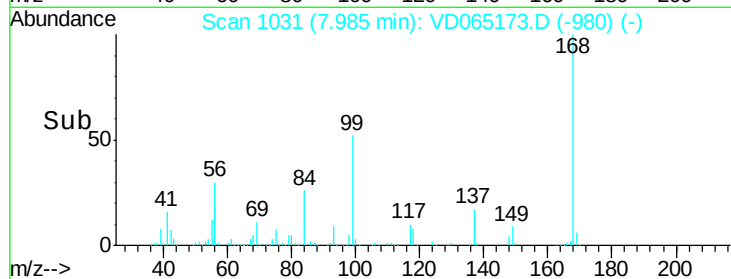
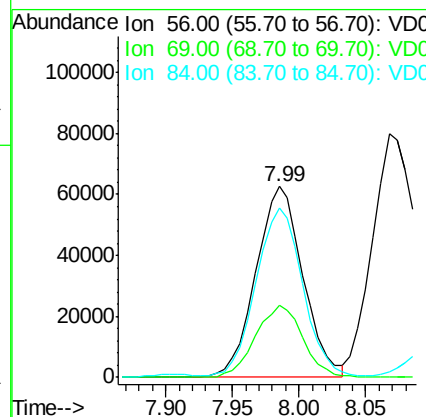
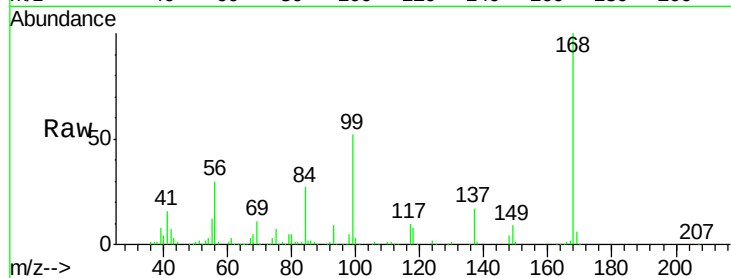
69 37.9 26.6 40.0

84 87.7 70.6 106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.186 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

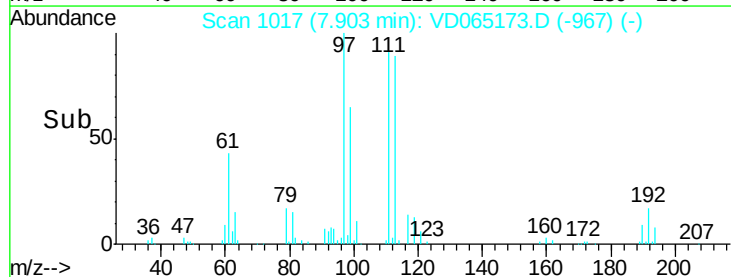
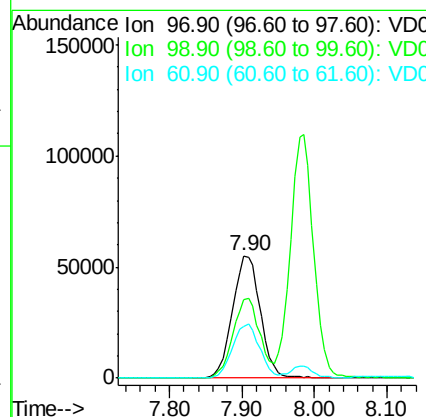
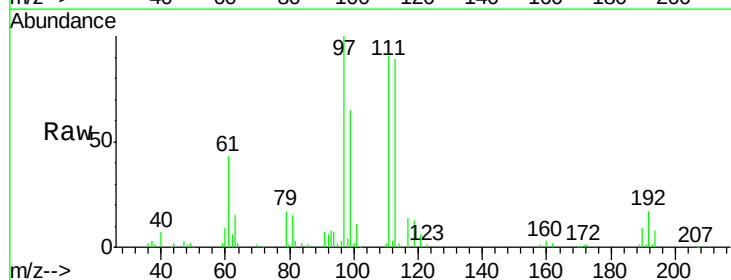
Tgt Ion: 97 Resp: 146743

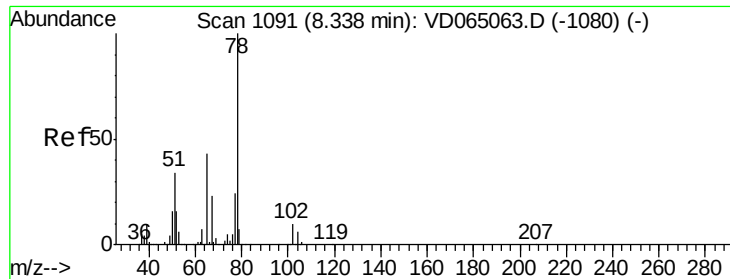
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 43.3 34.8 52.2





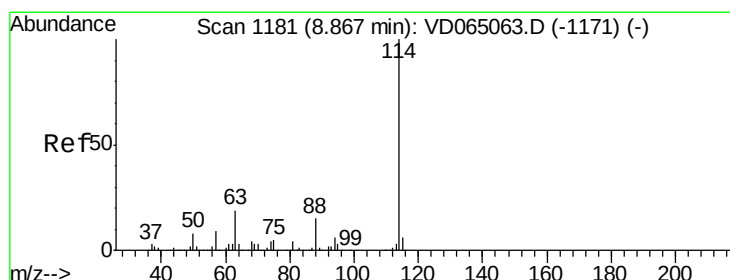
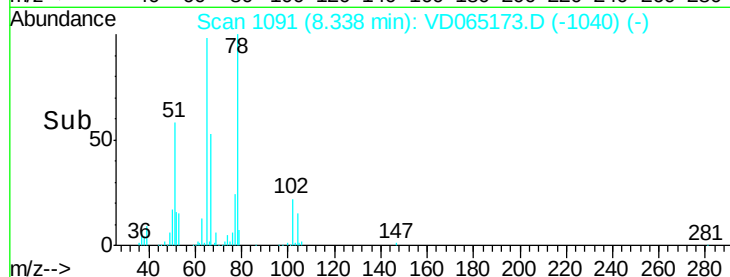
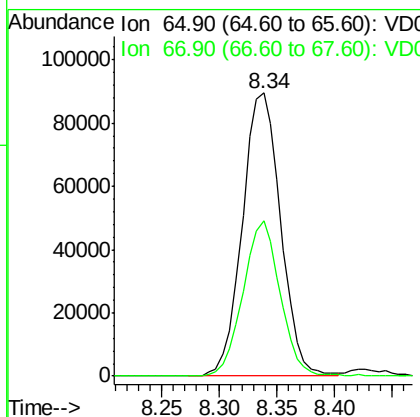
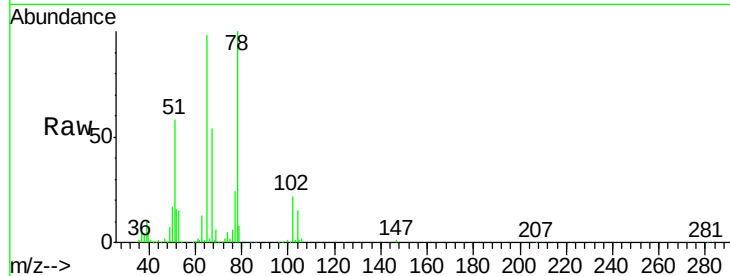
#33
 1,2-Dichloroethane-d4
 Concen: 52.032 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	105.8	

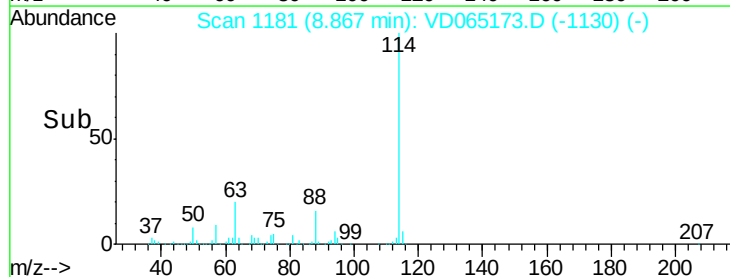
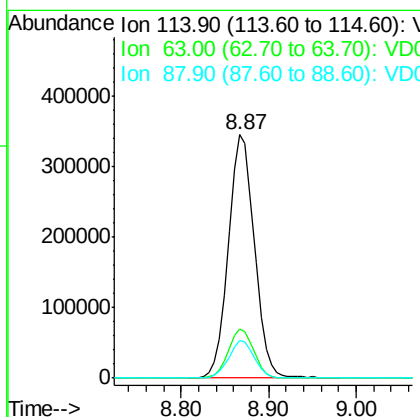
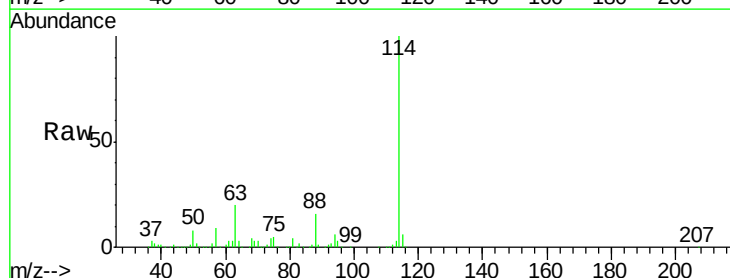
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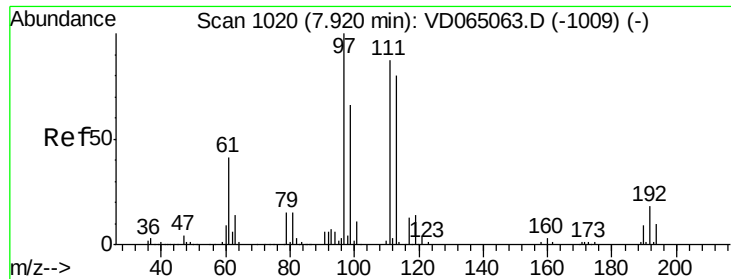
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	38.8	
88	15.5	0.0	29.6	





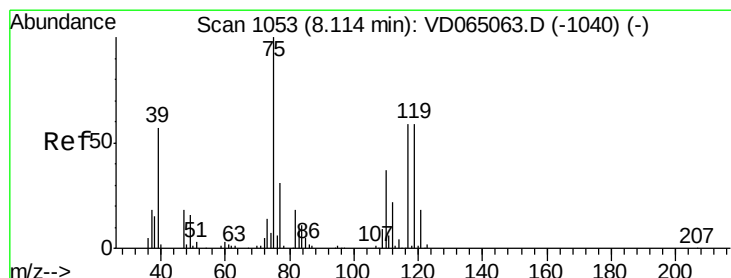
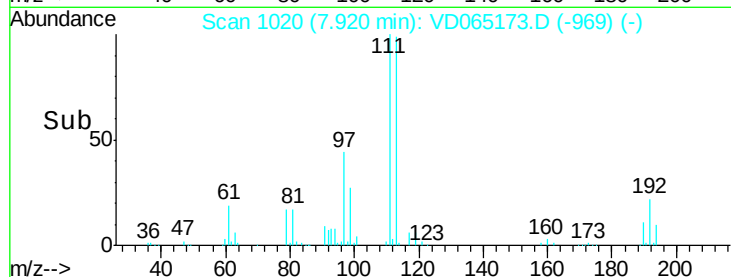
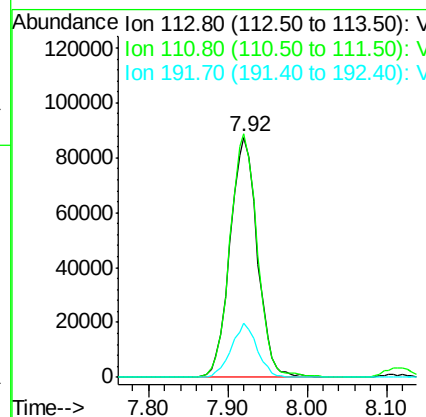
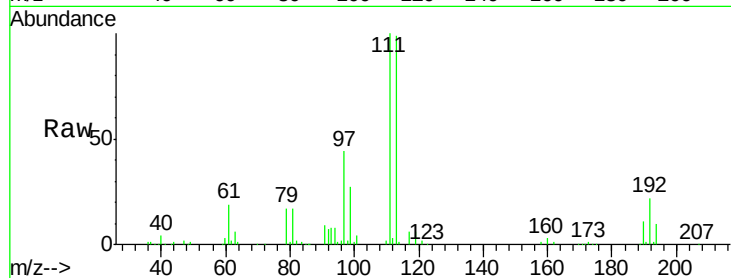
#35
 Dibromofluoromethane
 Concen: 53.304 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208192		
111	101.5	83.1	124.7	
192	21.3	18.1	27.1	

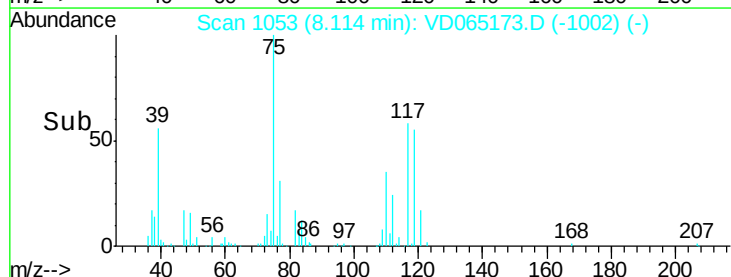
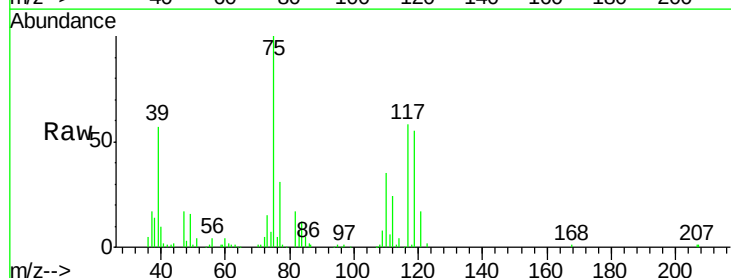
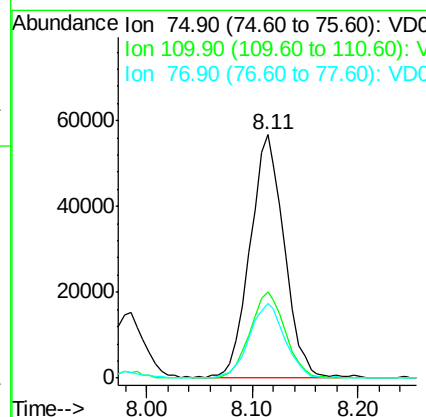
Manual Integrations
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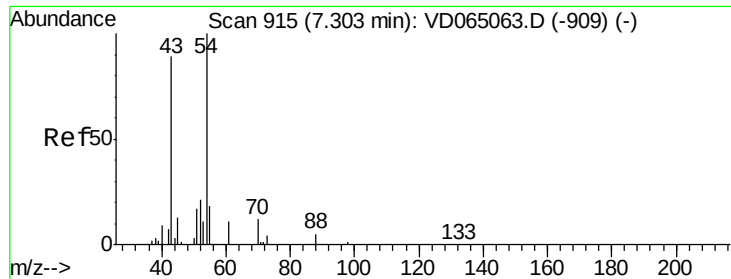
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.451 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126610		
110	36.6	18.1	54.3	
77	32.2	24.7	37.1	





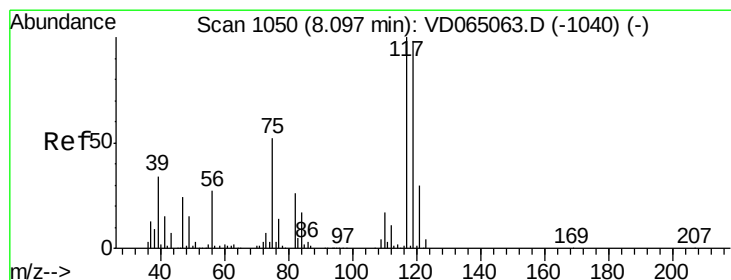
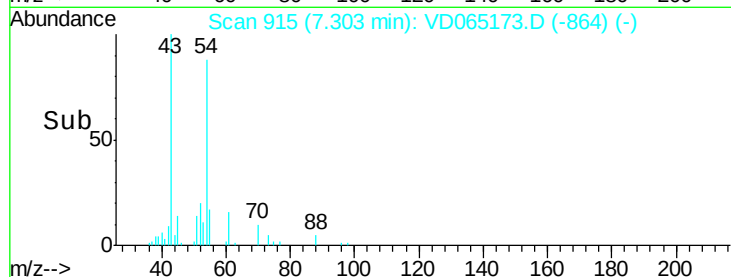
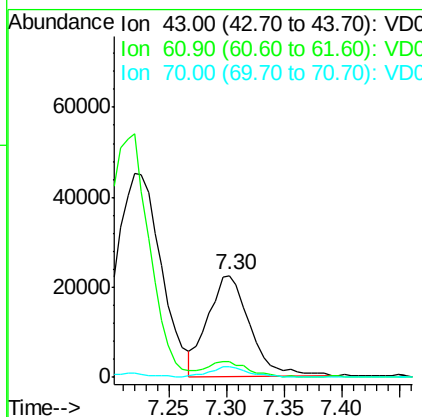
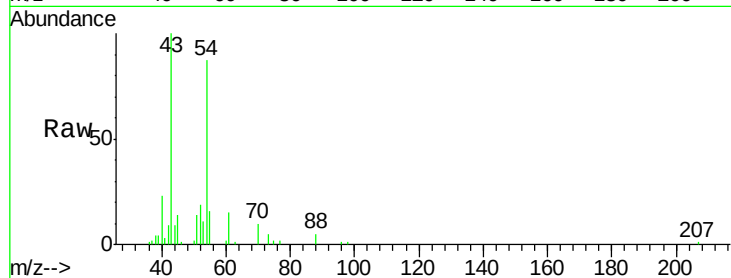
#37
Ethyl Acetate
Concen: 21.406 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.0	16.4
70	9.5	8.2	12.2

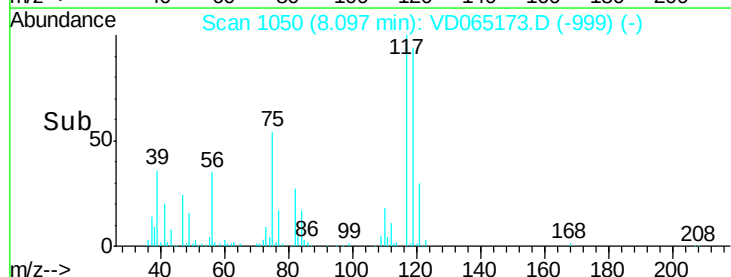
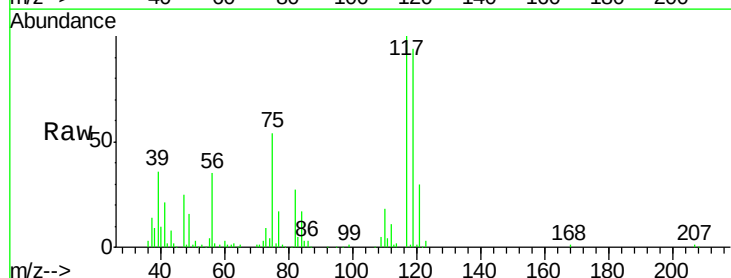
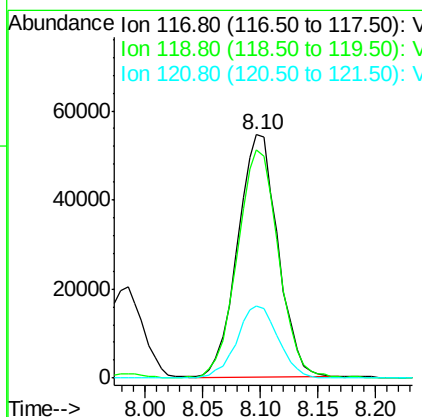
Manual Integrations
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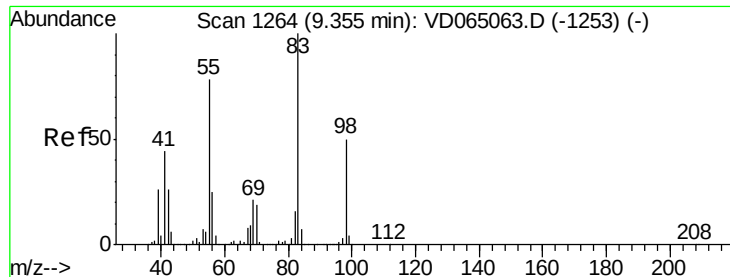
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.805 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.5	117.7
121	30.0	23.8	35.6





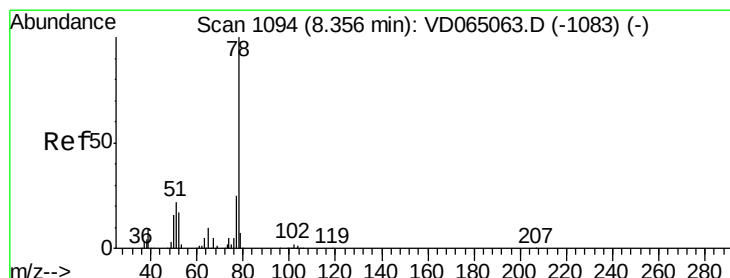
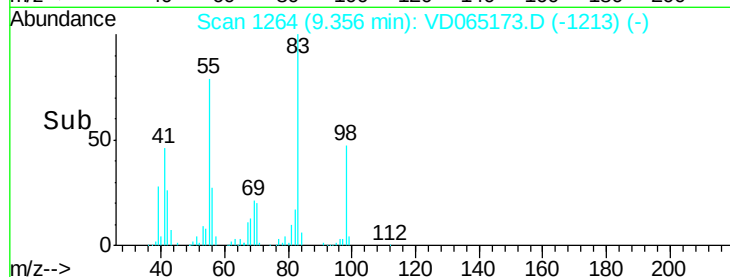
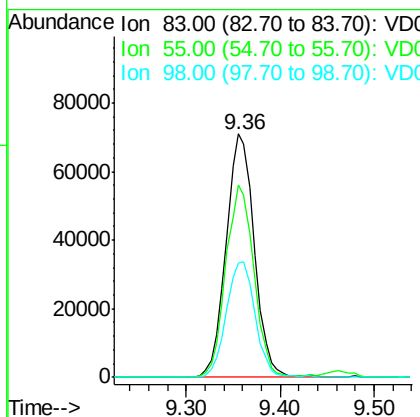
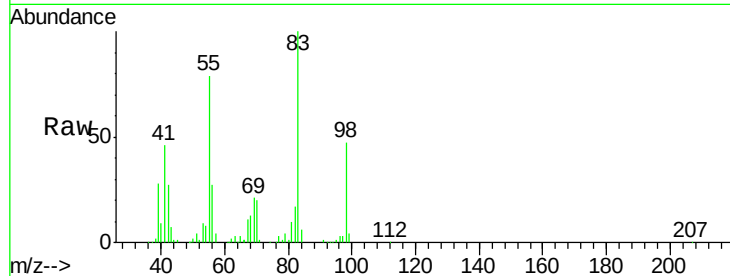
#39
Methylvlcyclohexane
Concen: 18.445 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	148196		
55	79.2		62.0	93.0
98	47.0		39.9	59.9

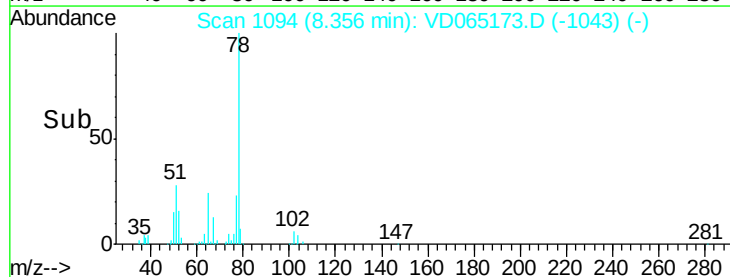
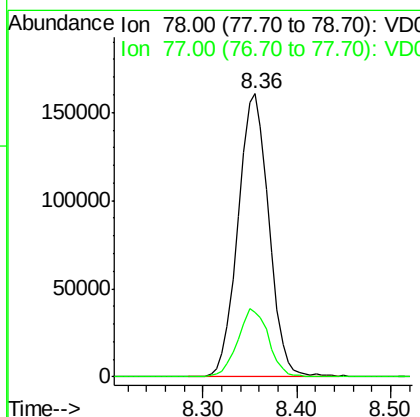
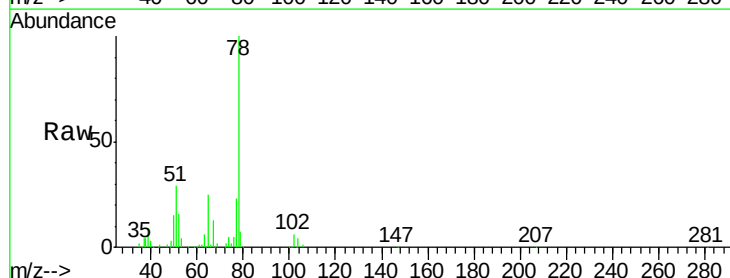
Manual Integrations
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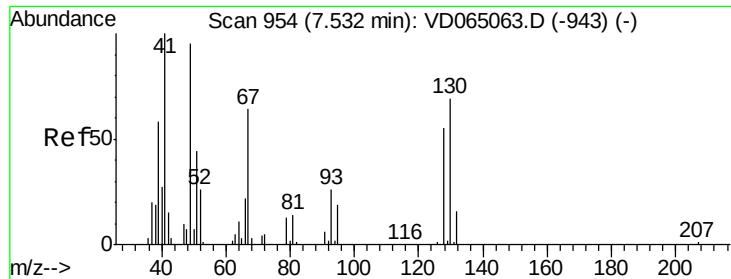
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#40
Benzene
Concen: 20.347 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	365733		
77	22.8		19.6	29.4





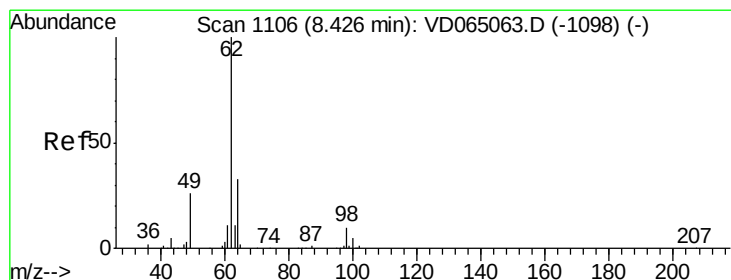
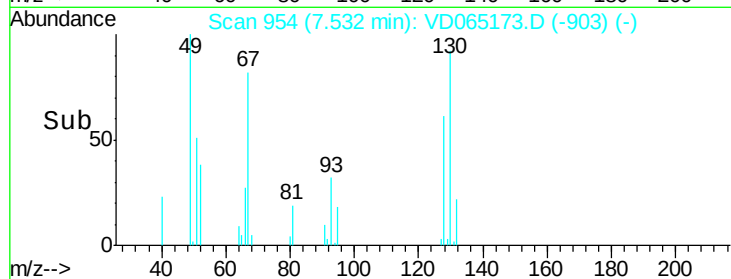
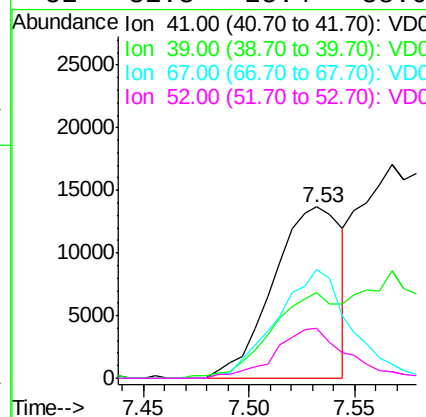
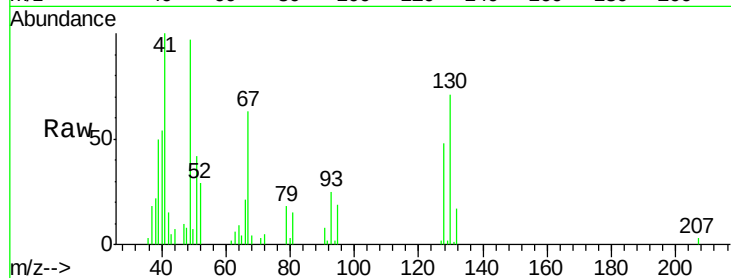
#41
Methacrylonitrile
Concen: 20.977 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.3	55.4	83.0#
67	68.6	59.0	88.6
52	31.3	25.4	38.0

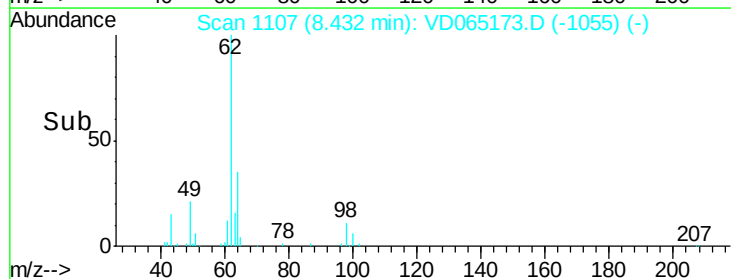
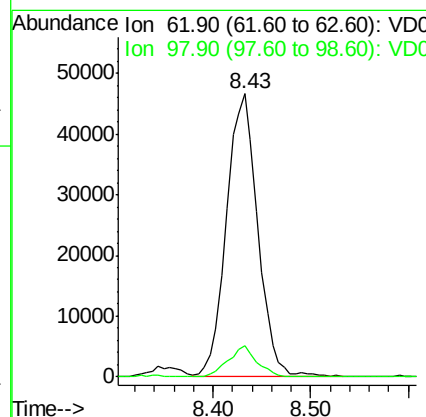
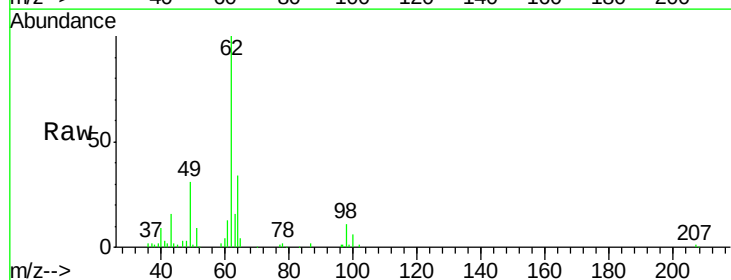
Manual Integrations
APPROVED

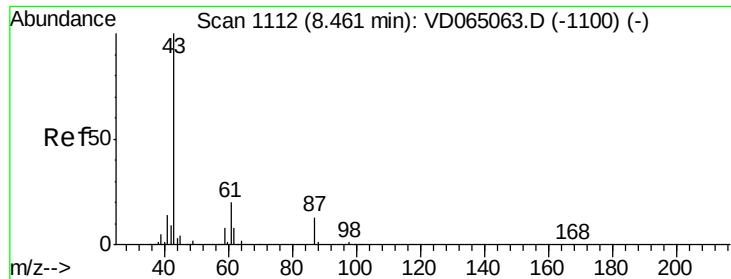
MMDadoda
2/14/2020 4:17:52 PM



#42
1,2-Dichloroethane
Concen: 20.290 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





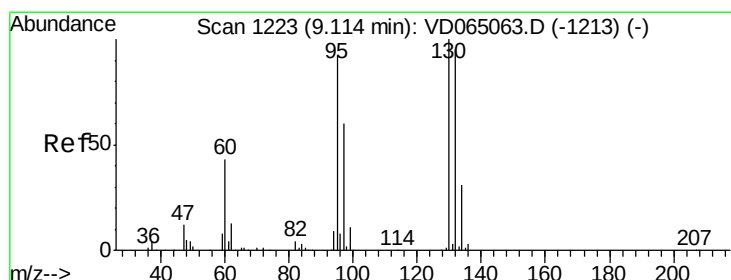
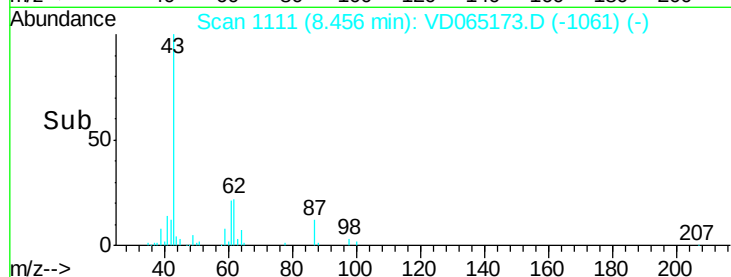
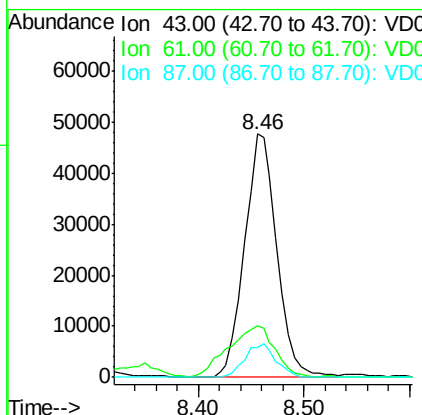
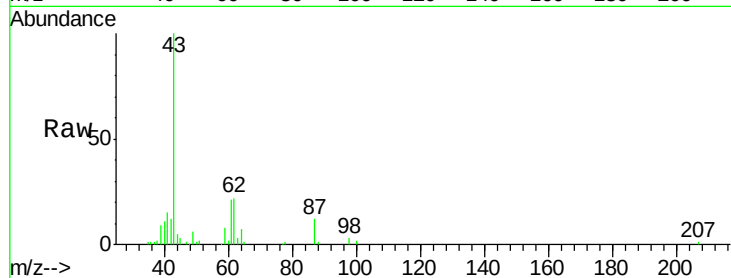
#43
Isopropyl Acetate
Concen: 19.904 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	13.2	10.2	15.4

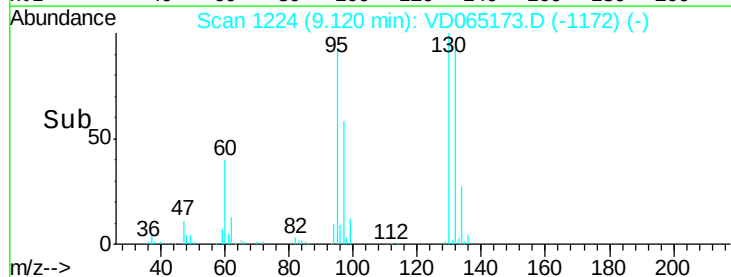
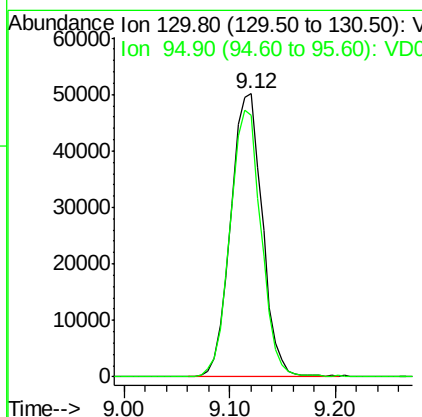
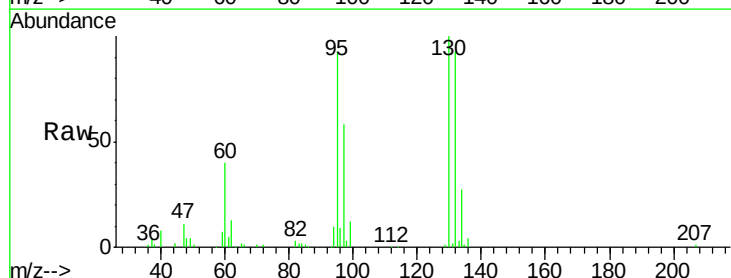
Manual Integrations
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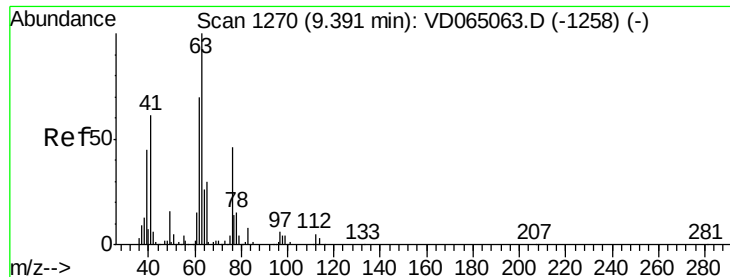
MMDadoda
2/14/2020 4:17:52 PM



#44
Trichloroethene
Concen: 20.047 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	185.0





#45

1,2-Dichloropropane

Concen: 21.154 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 63 Resp: 91168

Ion Ratio Lower Upper

63 100

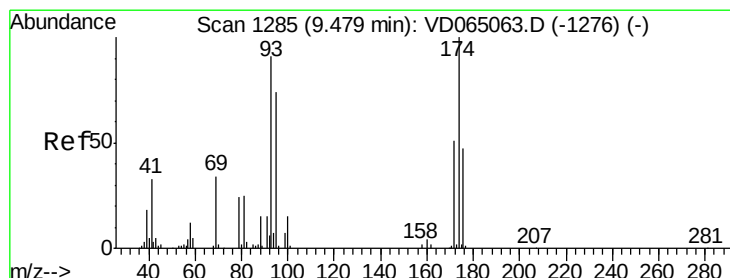
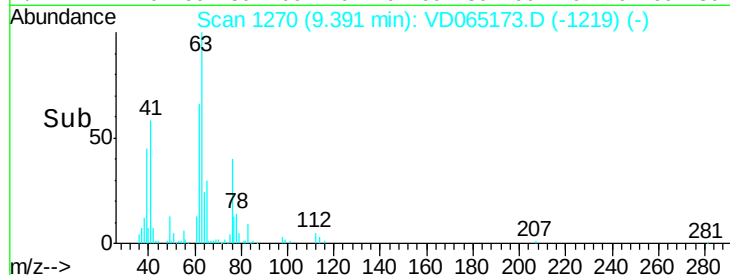
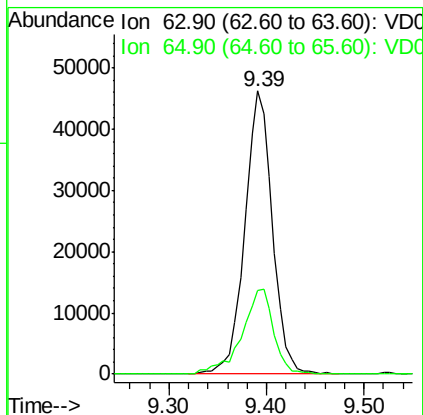
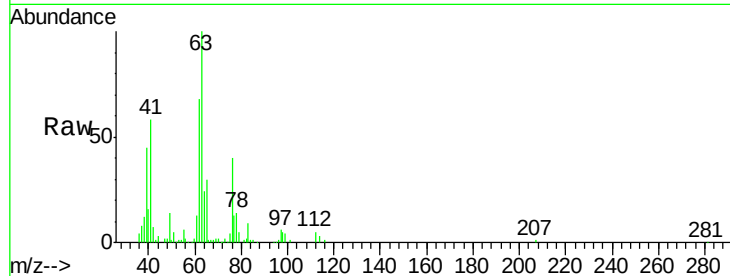
65 29.7 23.9 35.9

Manual Integrations

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MMDadoda

2/14/2020 4:17:52 PM



#46

Dibromomethane

Concen: 21.505 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

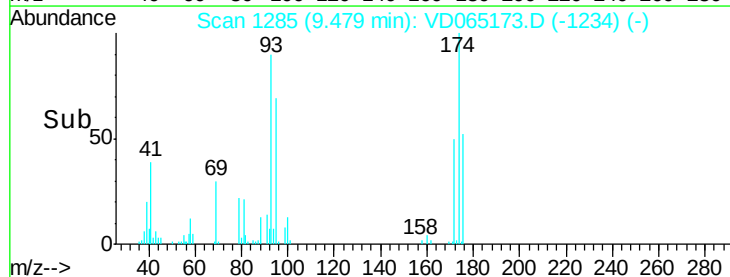
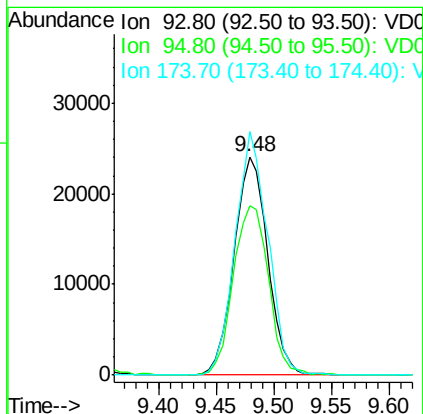
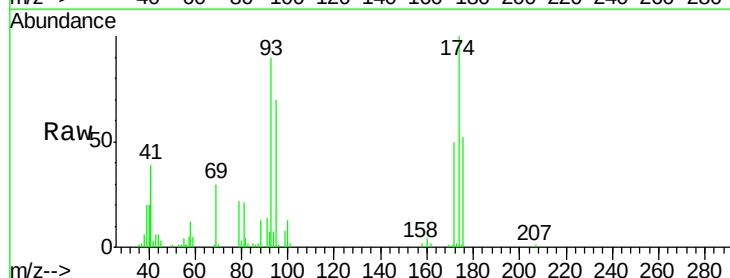
Tgt Ion: 93 Resp: 48701

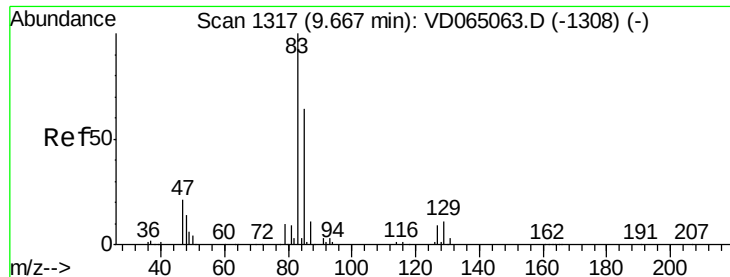
Ion Ratio Lower Upper

93 100

95 81.4 66.5 99.7

174 108.3 89.8 134.8





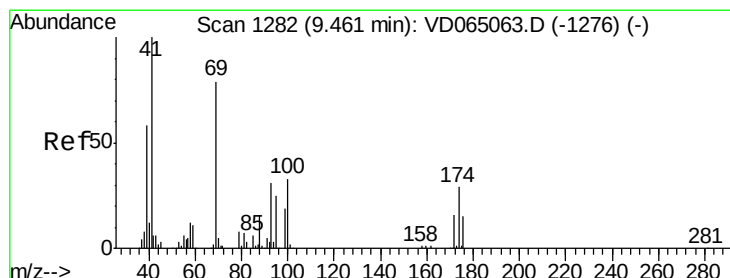
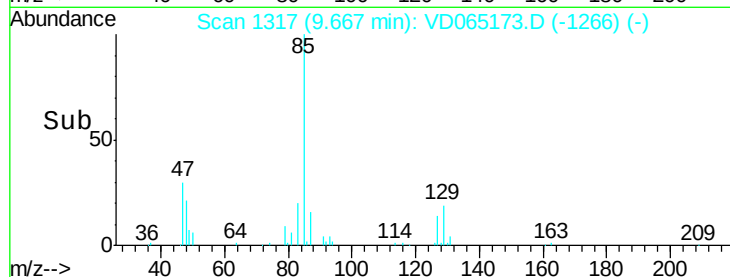
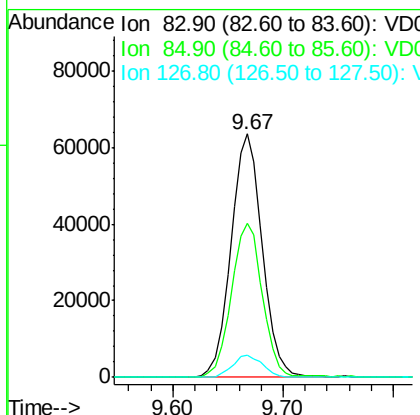
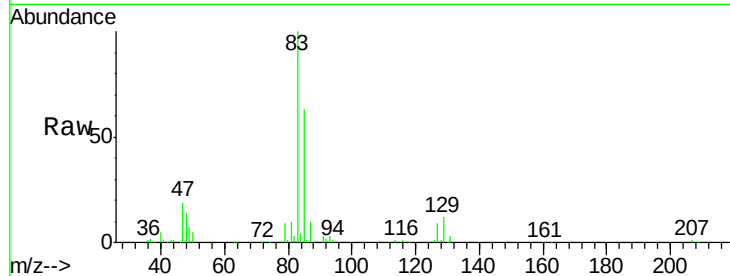
#47
Bromodichloromethane
Concen: 21.139 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6
127	9.1	7.3	10.9

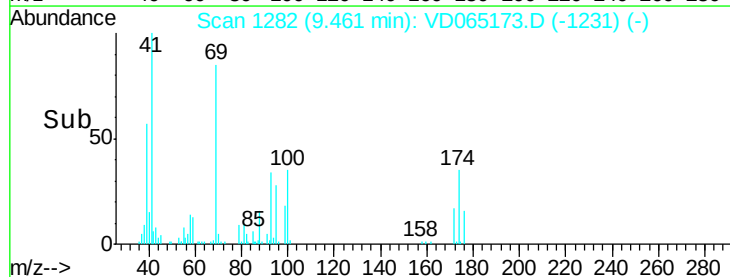
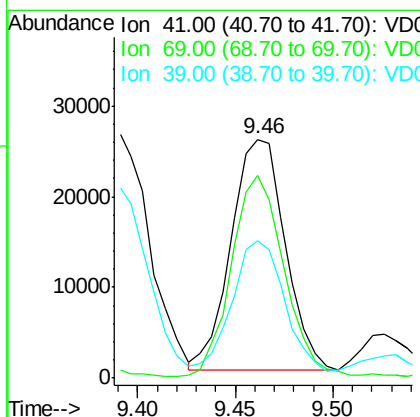
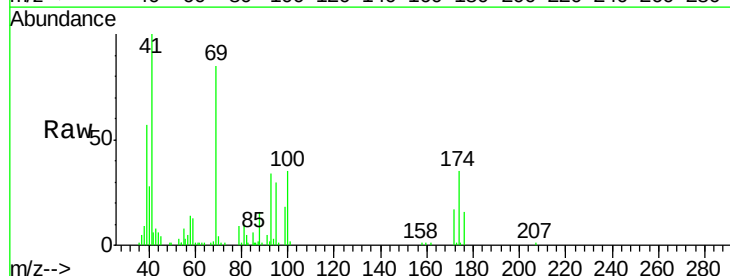
Manual Integrations
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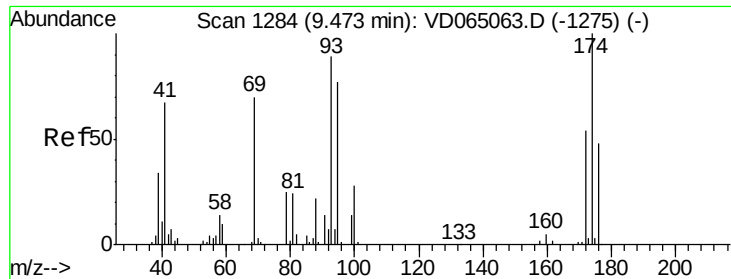
MMDadoda
2/14/2020 4:17:52 PM



#48
Methyl methacrylate
Concen: 19.869 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.5	101.3
39	54.6	47.0	70.4





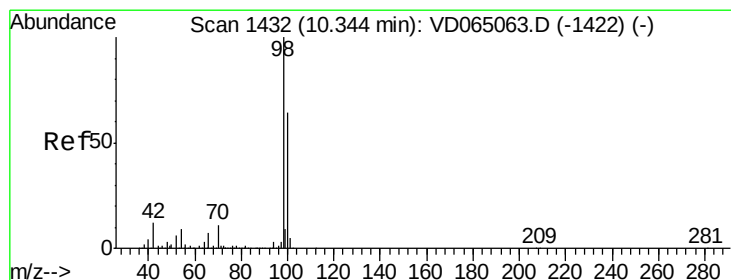
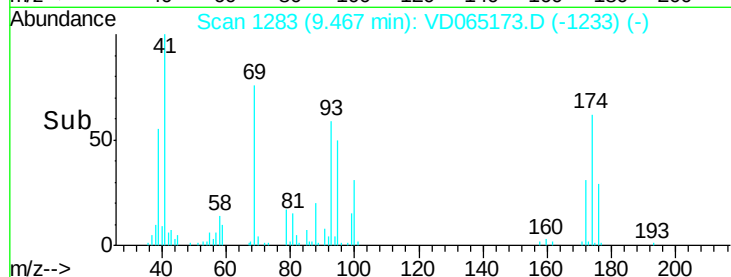
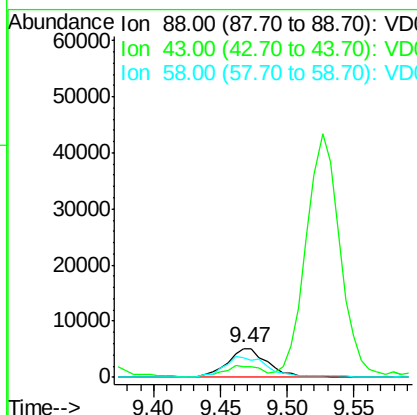
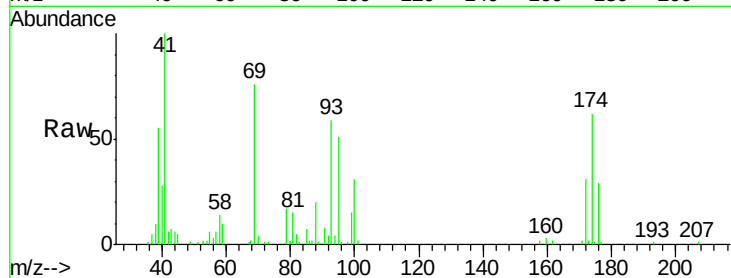
#49
1,4-Dioxane
Concen: 406.775 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.5	27.7	41.5	
58	75.7	55.5	83.3	

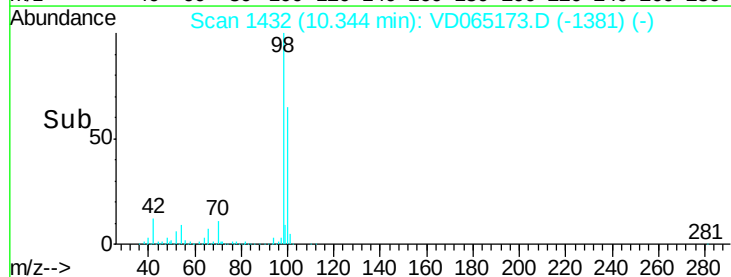
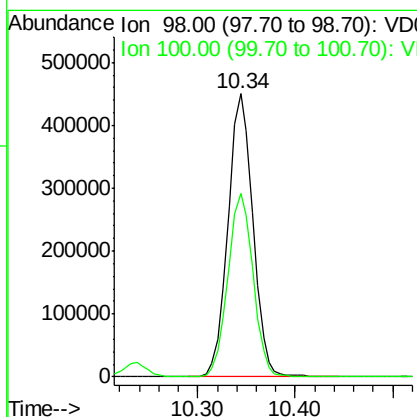
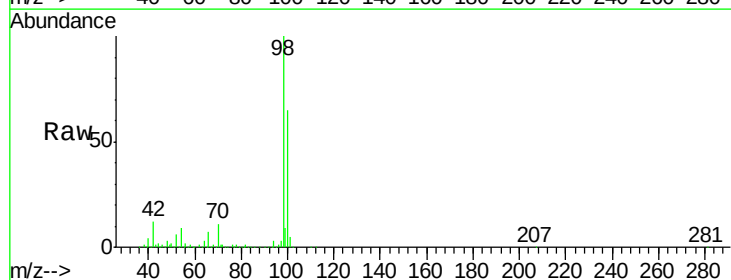
Manual Integrations
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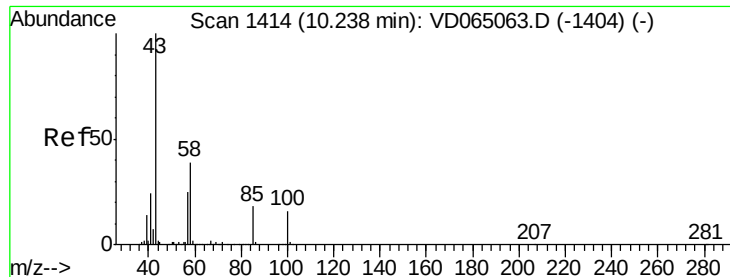
MMDadoda
2/14/2020 4:17:52 PM



#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.3	52.1	78.1	





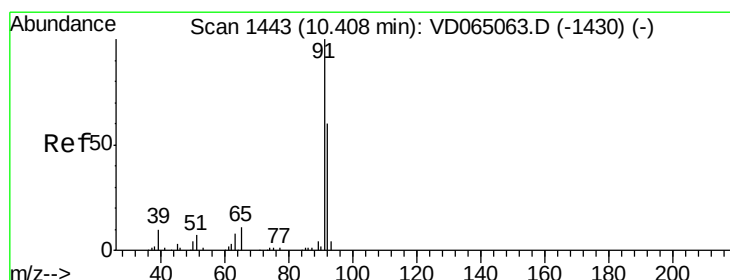
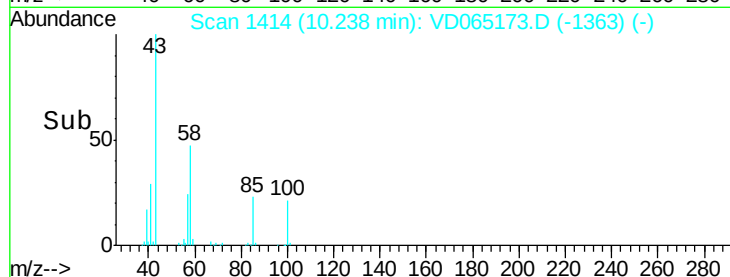
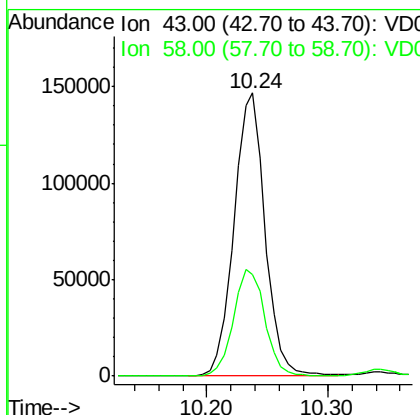
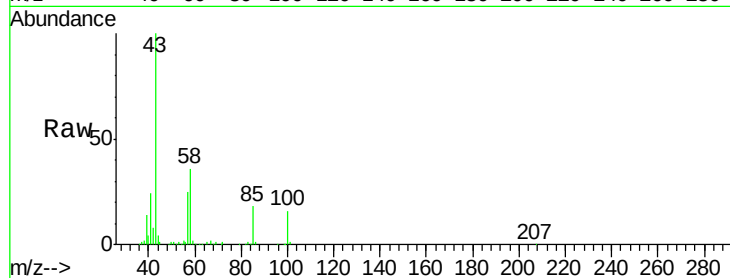
#51
4-Methyl-2-Pentanone
Concen: 104.973 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.2	45.2

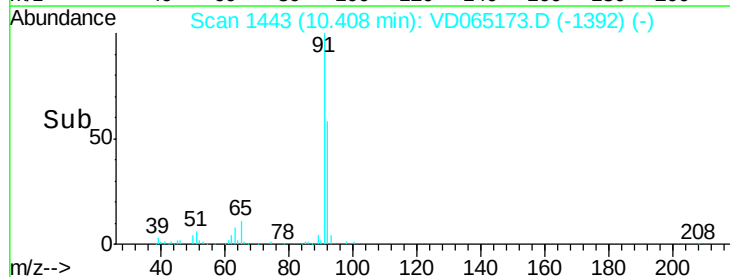
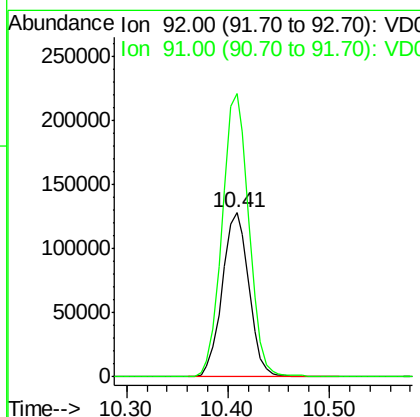
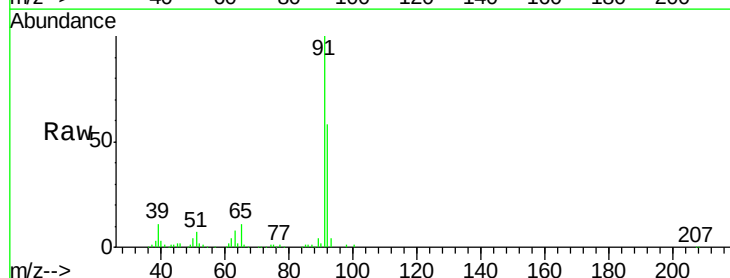
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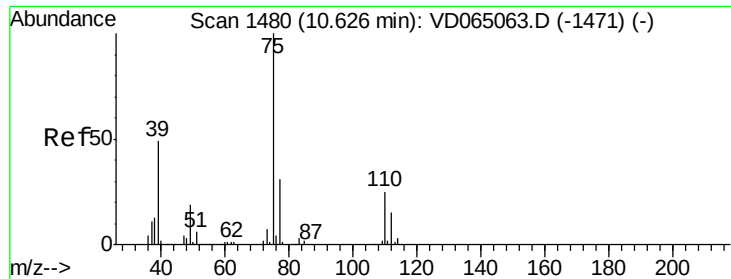
MMDadoda
2/14/2020 4:17:52 PM



#52
Toluene
Concen: 20.309 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	135.3	202.9





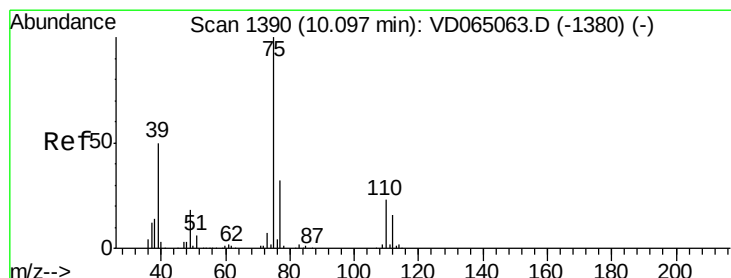
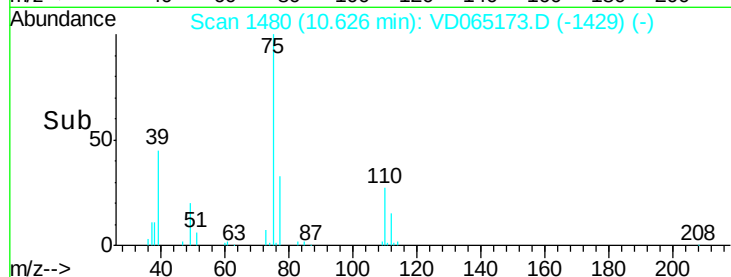
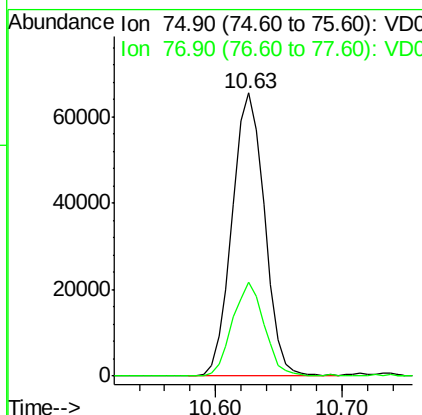
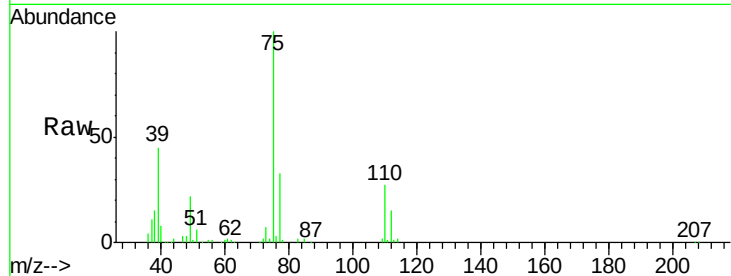
#53
t-1,3-Dichloropropene
Concen: 20.005 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.9	37.3

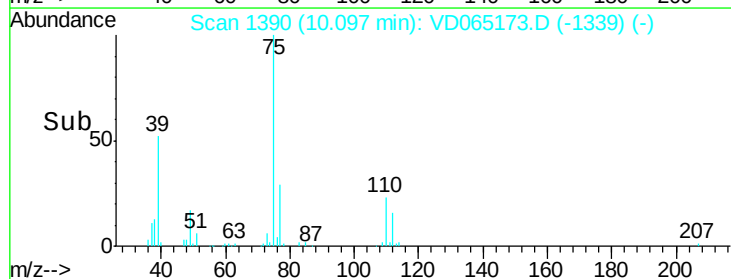
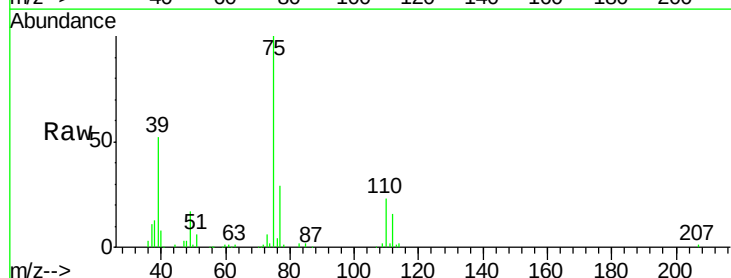
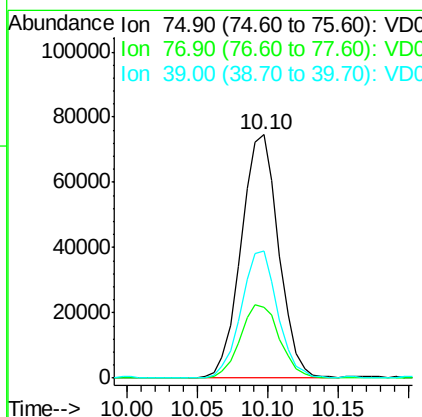
Manual Integrations
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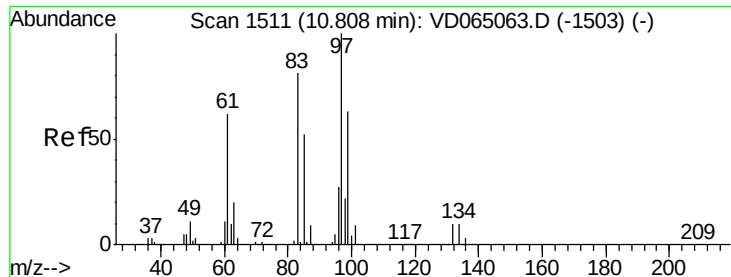
MMDadoda
2/14/2020 4:17:52 PM



#54
cis-1,3-Dichloropropene
Concen: 20.062 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.3	37.9
39	52.2	40.3	60.5





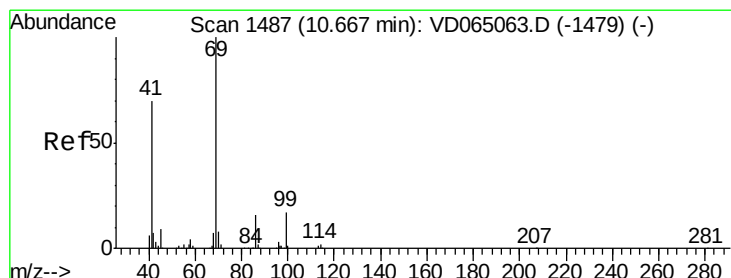
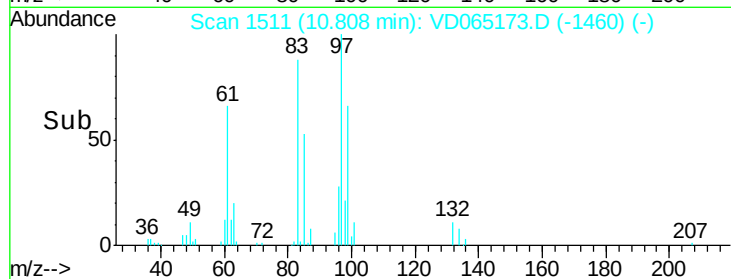
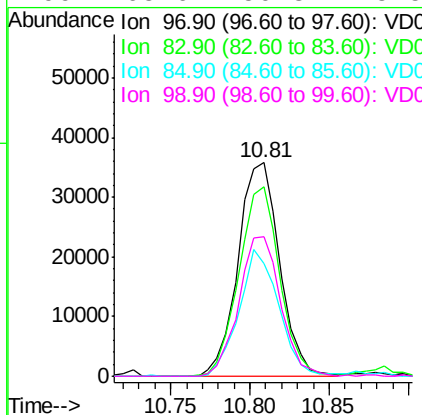
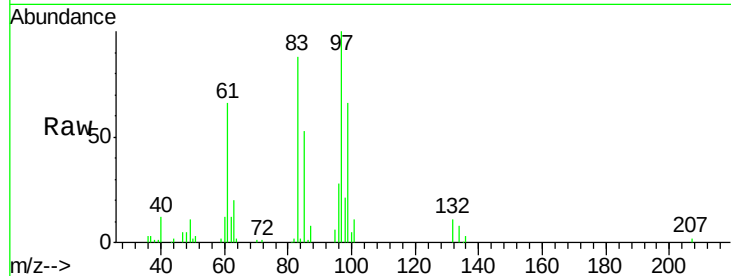
#55
 1,1,2-Trichloroethane
 Concen: 20.955 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion:	97	Resp:	65094
Ion	Ratio	Lower	Upper
97	100		
83	88.4	64.8	97.2
85	52.6	41.2	61.8
99	65.6	50.3	75.5

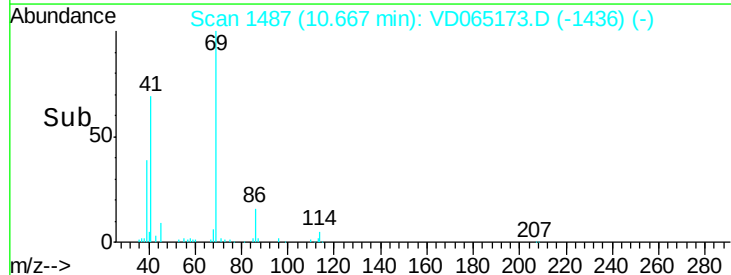
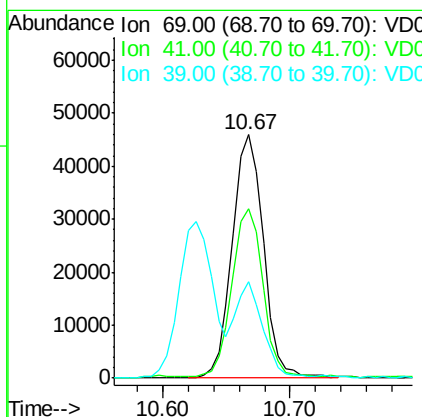
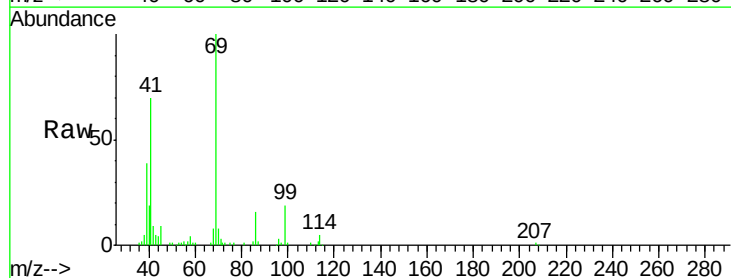
Manual Integrations
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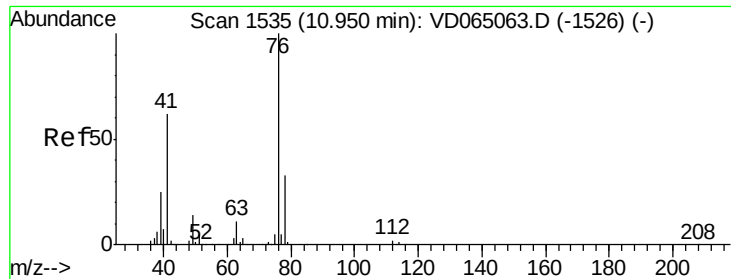
MMDadoda
 2/14/2020 4:17:52 PM



#56
 Ethyl methacrylate
 Concen: 19.877 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion:	69	Resp:	78123
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.9	83.9
39	34.1	29.4	44.0





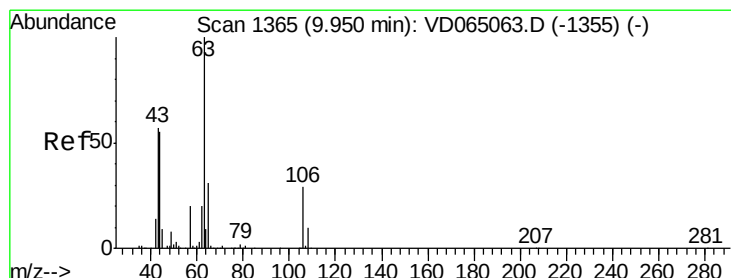
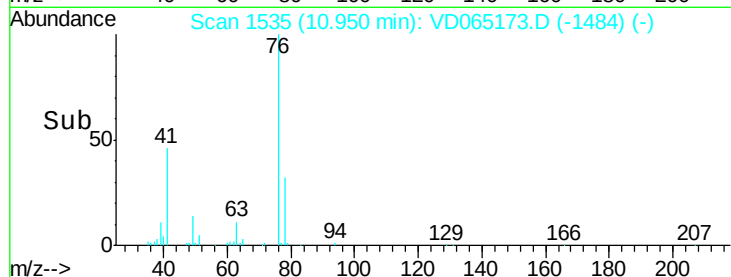
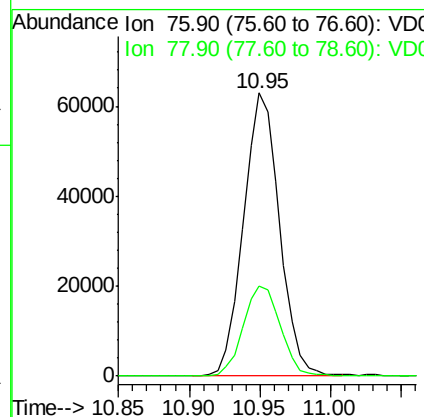
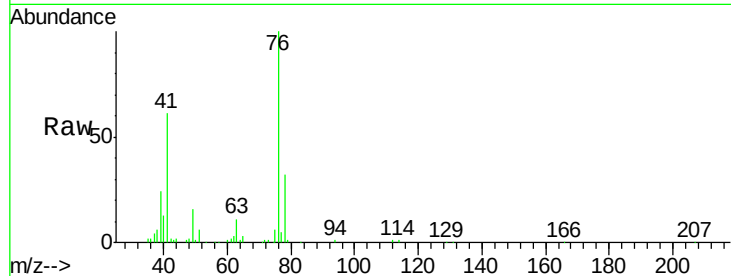
#57
 1,3-Dichloropropane
 Concen: 20.543 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion: 76 Resp: 112207
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

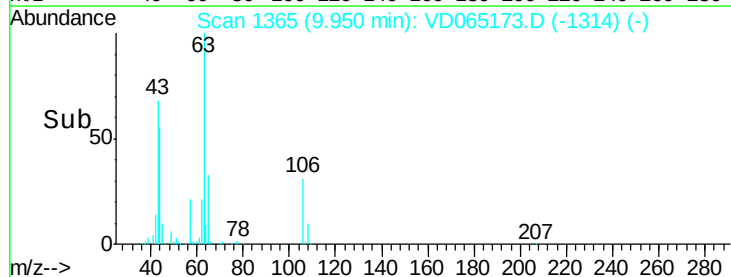
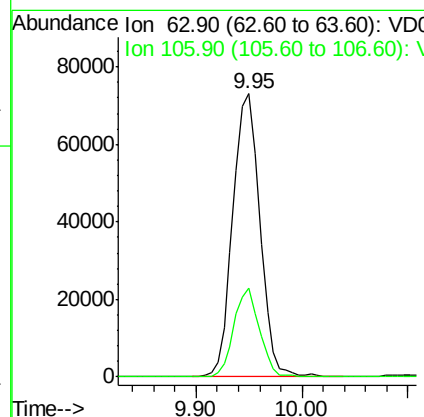
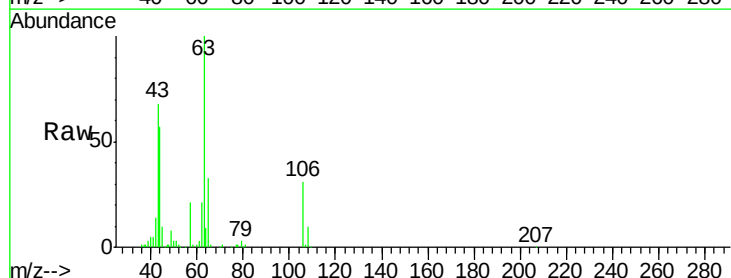
Manual Integrations
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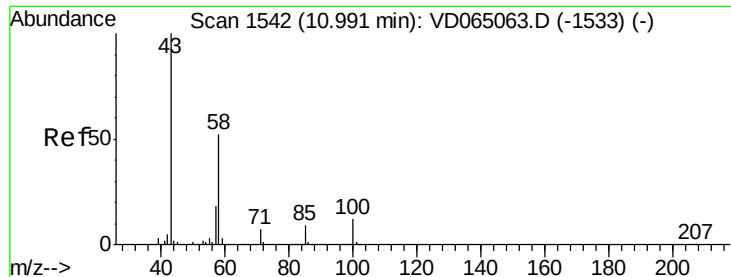
MMDadoda
 2/14/2020 4:17:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.465 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion: 63 Resp: 130282
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.3 34.9





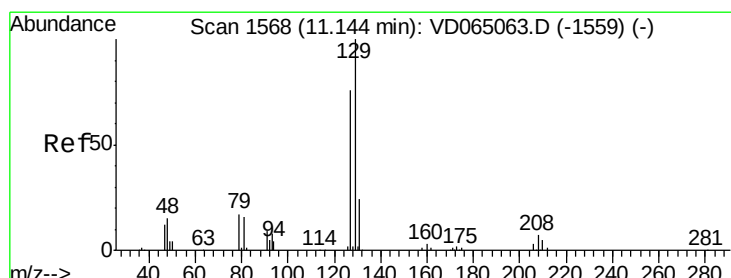
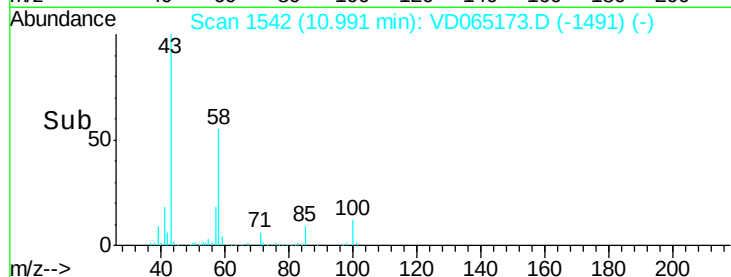
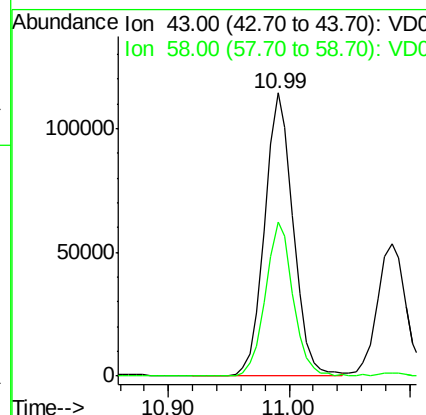
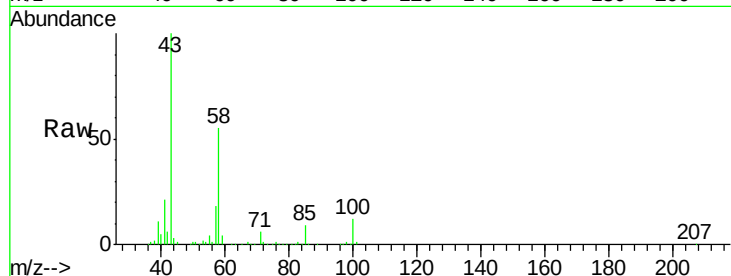
#59
2-Hexanone
Concen: 105.749 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.2	78.6

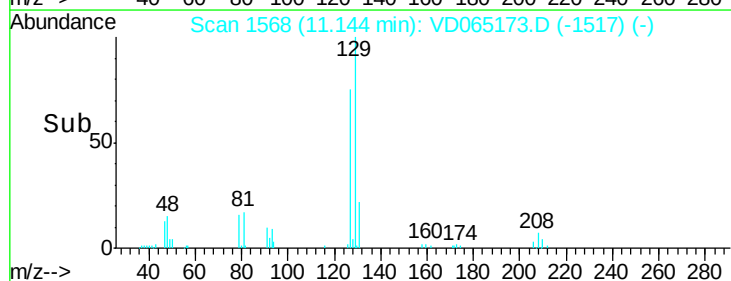
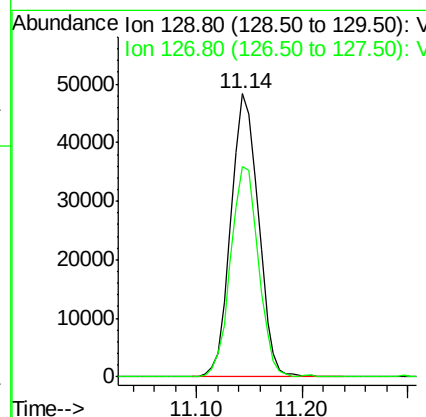
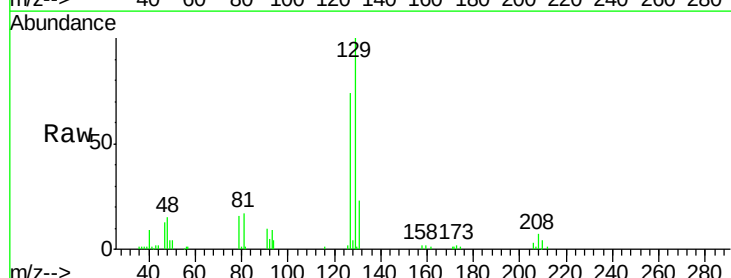
Manual Integrations
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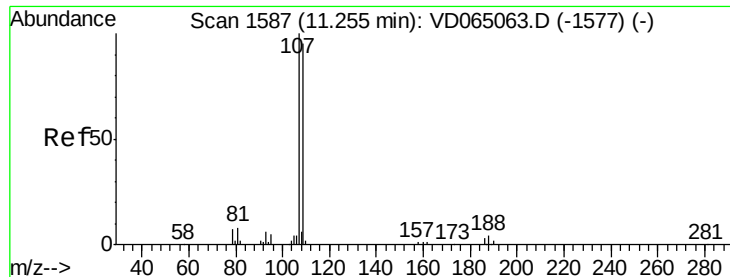
MMDadoda
2/14/2020 4:17:52 PM



#60
Dibromochloromethane
Concen: 21.711 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.3	114.9





#61

1,2-Dibromoethane

Concen: 21.010 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBSD01

Tot Ion:107 Resp: 63769

Ion Ratio Lower Upper

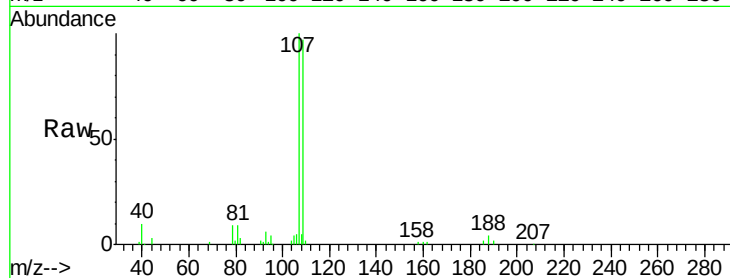
107 100

109 96.0 75.5 113.3

Manual Integrations
APPROVED

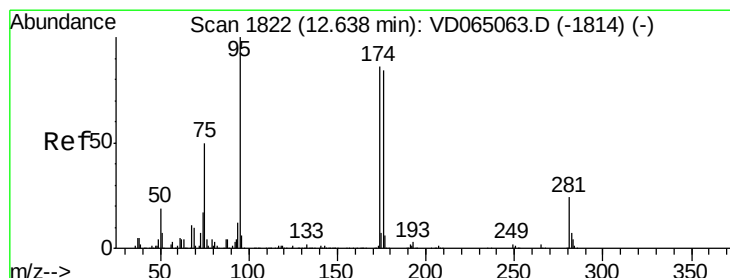
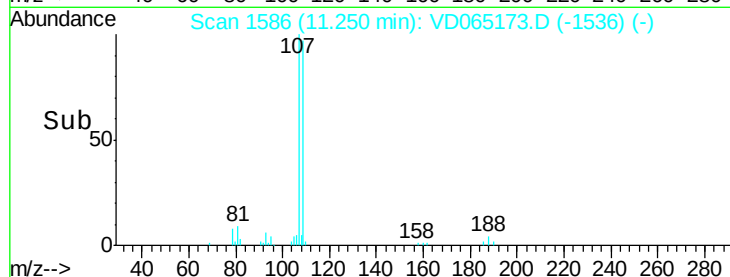
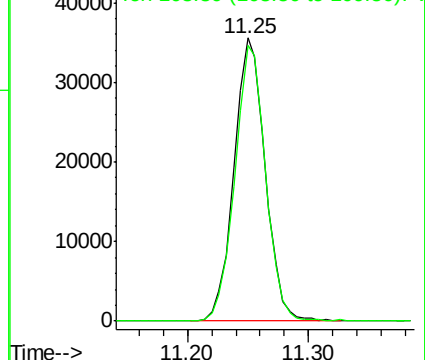
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.154 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

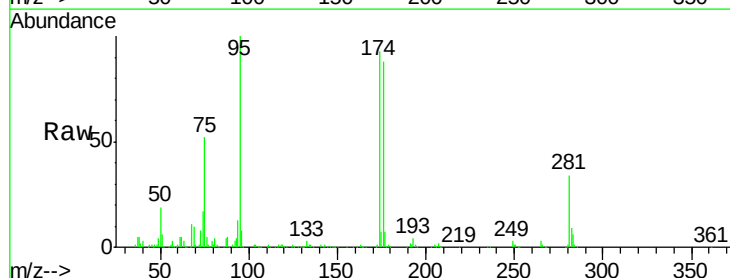
Tgt Ion: 95 Resp: 251980

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.0

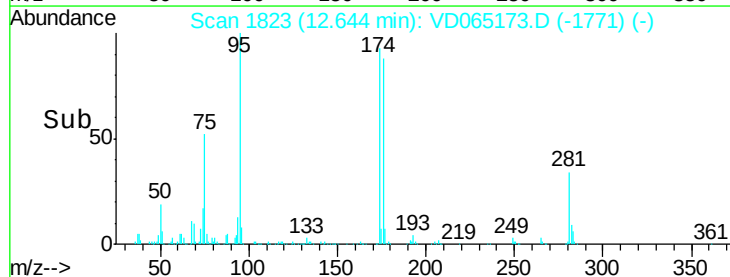
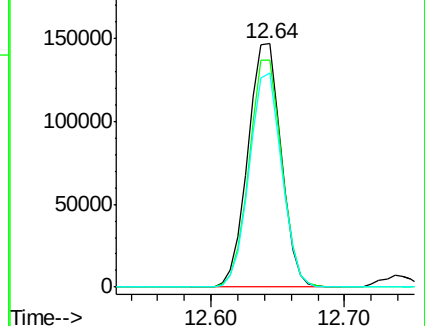
176 86.1 0.0 173.2

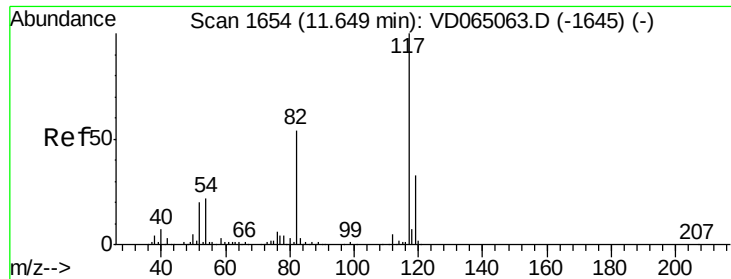


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





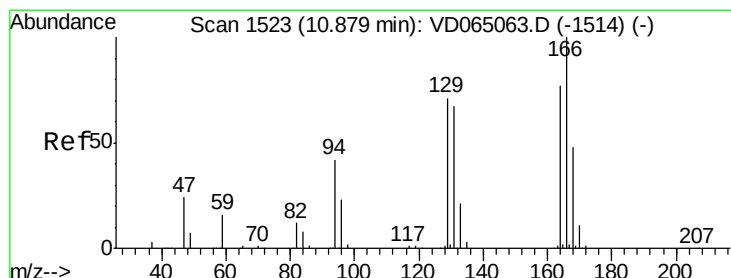
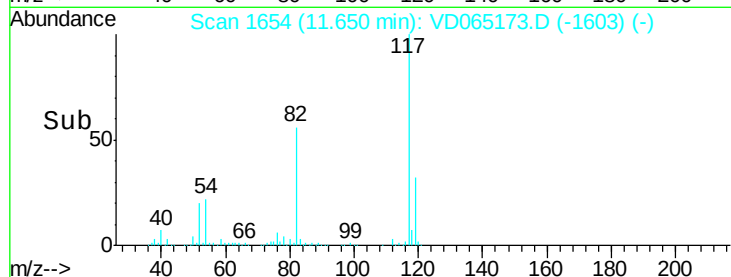
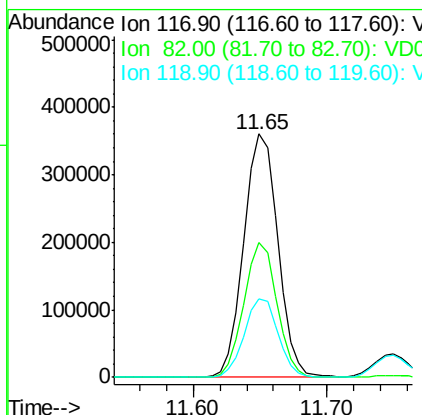
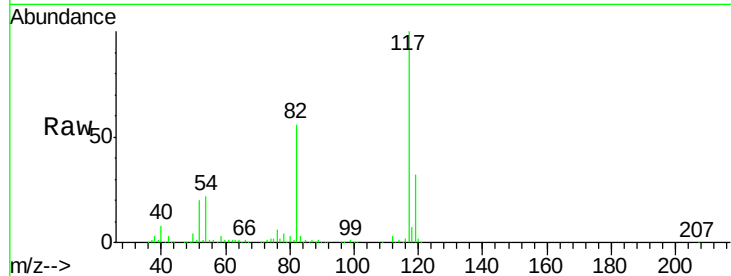
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.1	64.7
119	32.4	26.0	39.0

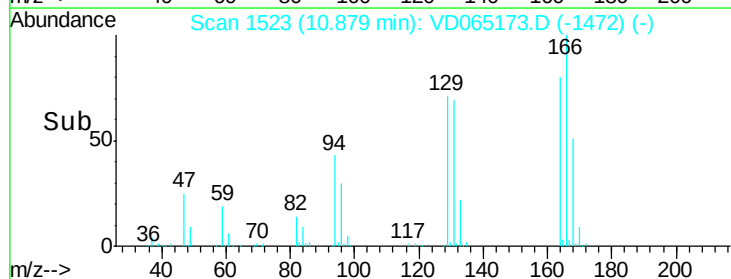
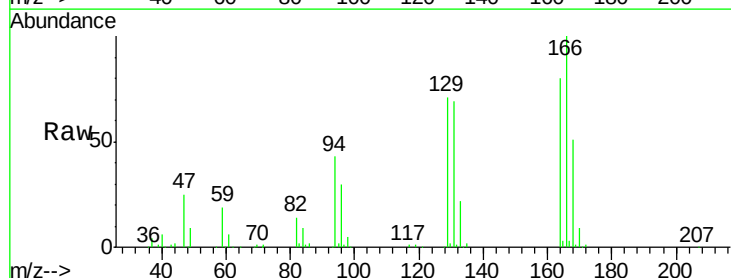
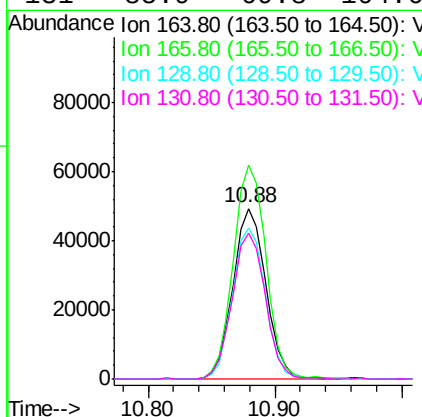
Manual Integrations
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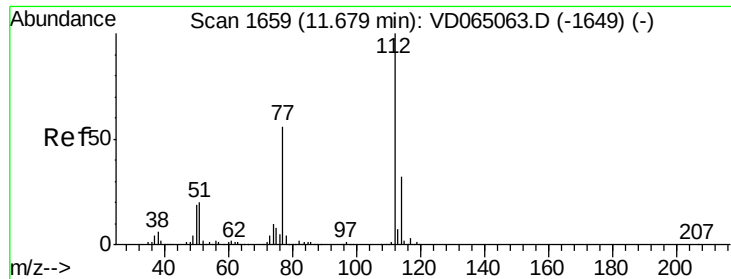
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#64
Tetrachloroethene
Concen: 19.374 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.5	155.3
129	88.6	73.3	109.9
131	85.9	69.8	104.6





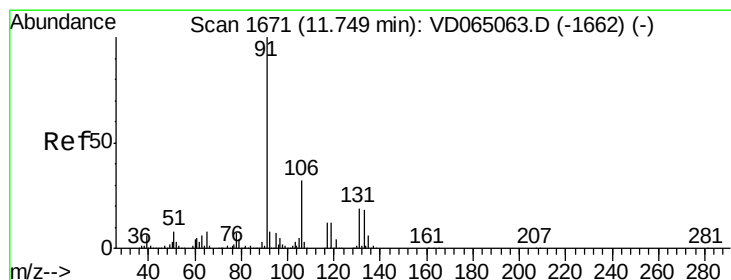
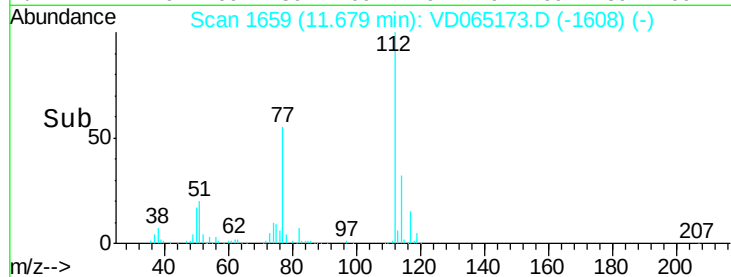
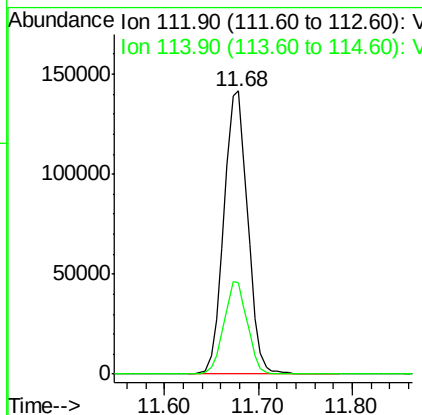
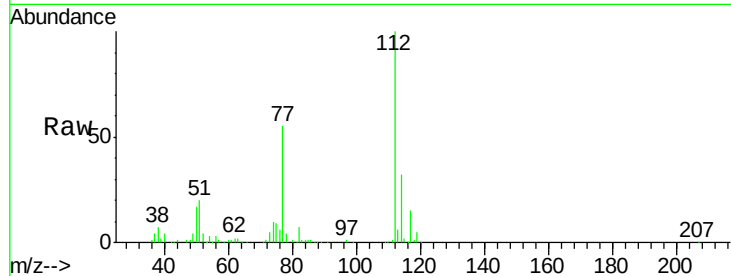
#65
Chlorobenzene
Concen: 20.275 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion:112 Resp: 249477
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

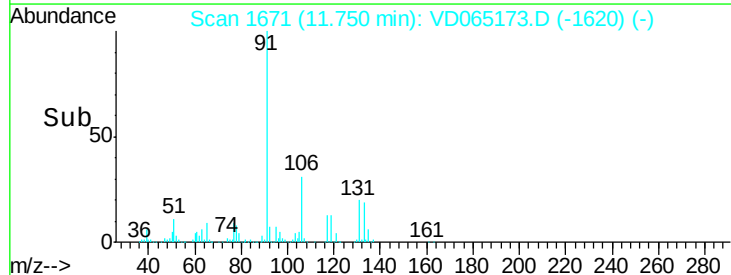
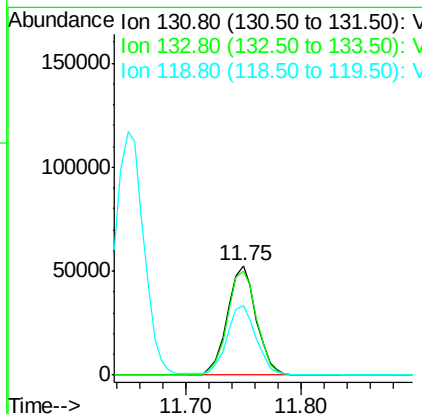
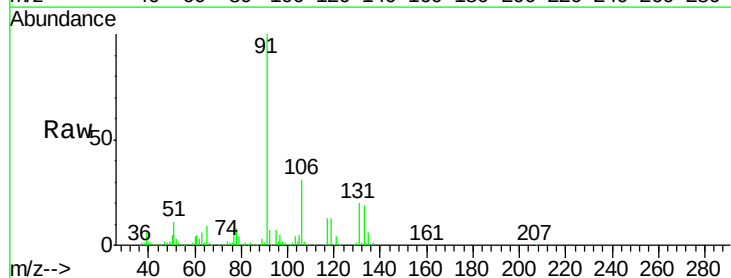
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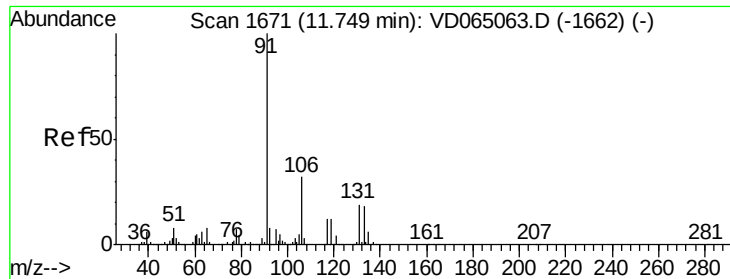
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.036 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion:131 Resp: 90992
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.3 31.3 93.8





#67

Ethyl Benzene

Concen: 19.340 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 91 Resp: 432355

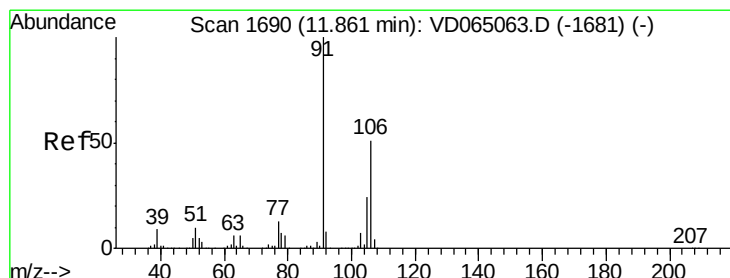
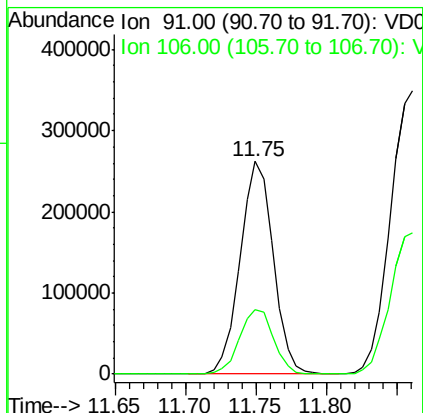
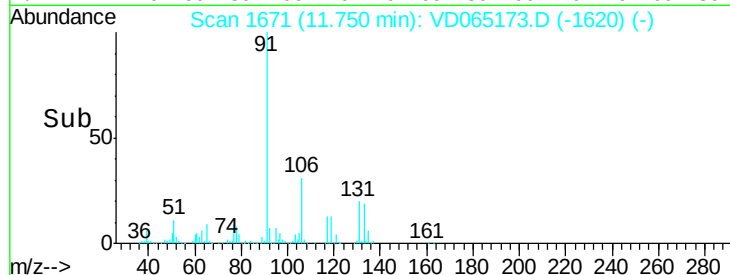
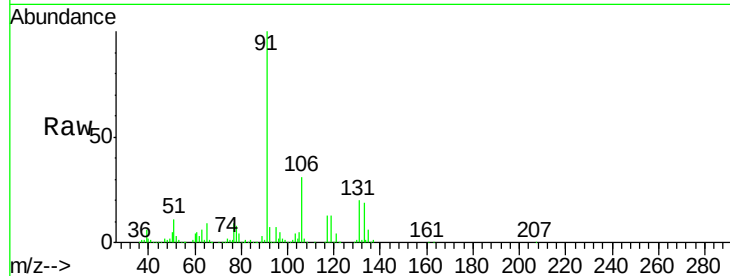
Ion Ratio Lower Upper

91 100

106 30.6 25.4 38.2

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#68

m/p-Xylenes

Concen: 39.282 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065173.D

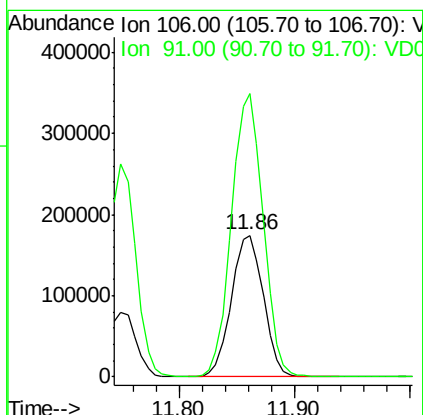
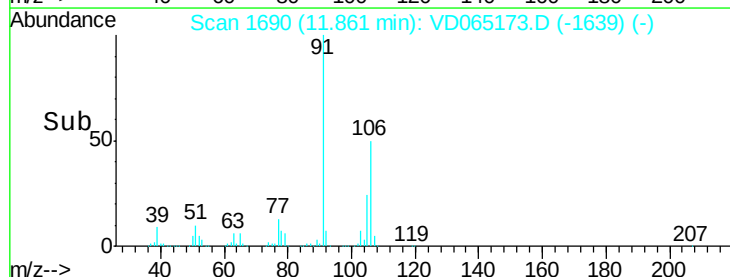
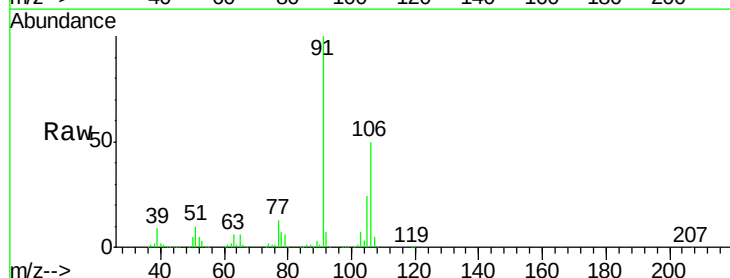
Acq: 13 Feb 2020 11:49

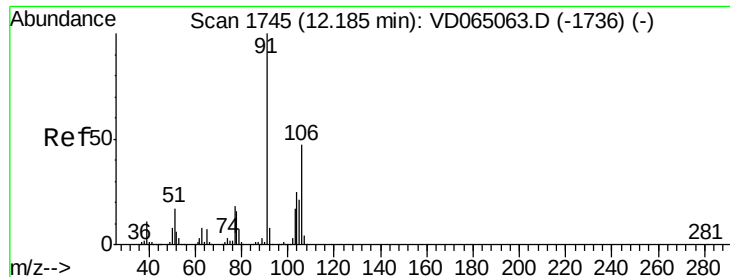
Tgt Ion: 106 Resp: 335162

Ion Ratio Lower Upper

106 100

91 198.0 158.9 238.3





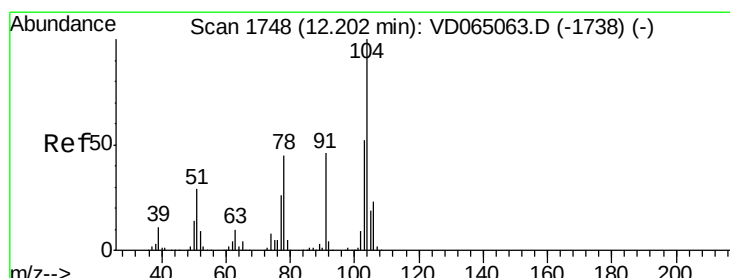
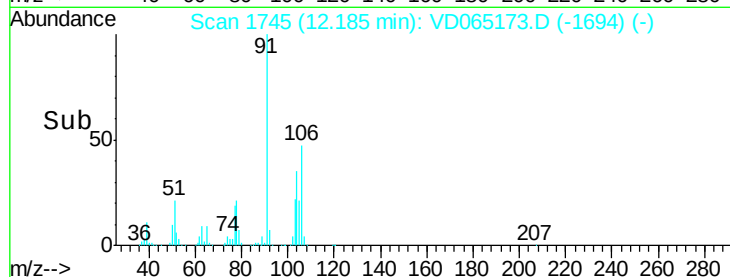
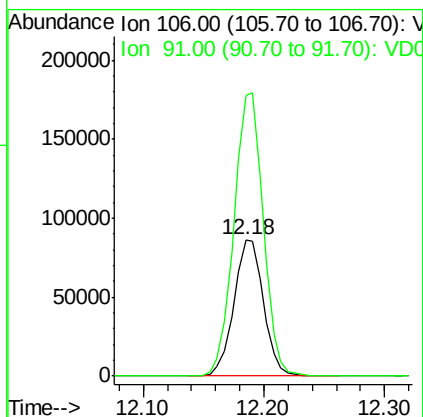
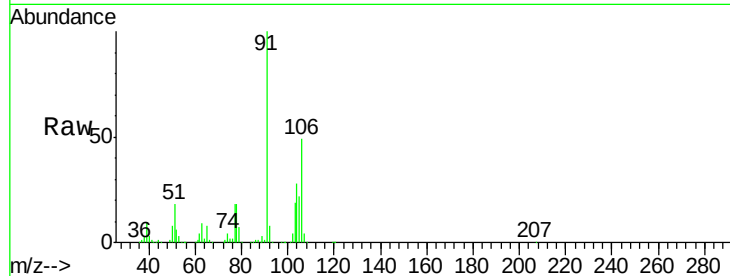
#69
o-Xylene
Concen: 19.173 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.6	104.7	313.9	

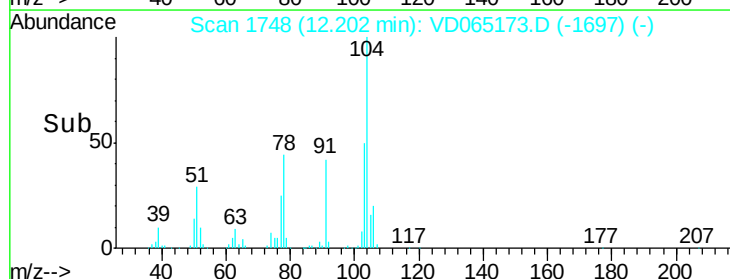
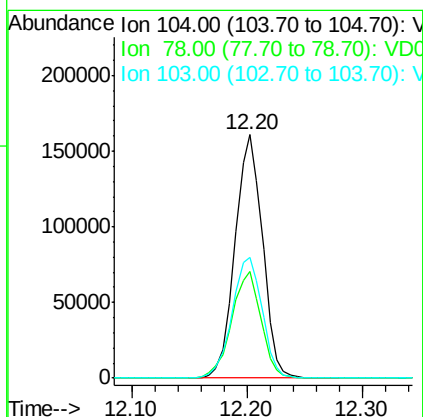
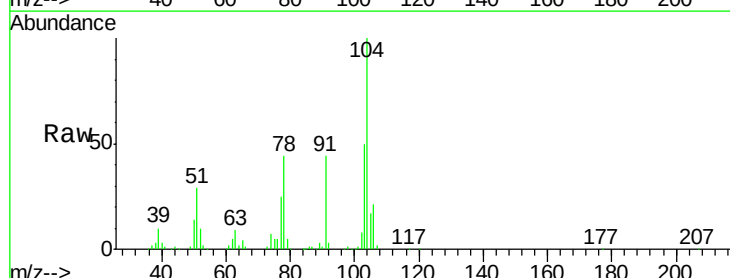
Manual Integrations
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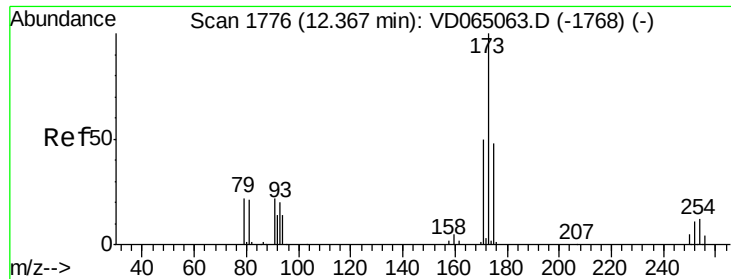
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#70
Styrene
Concen: 19.784 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	38.5	57.7	
103	54.5	43.8	65.8	





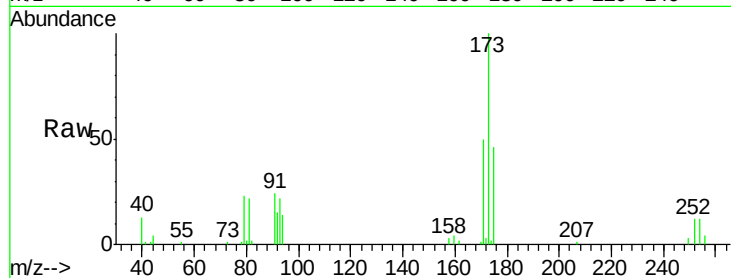
#71
Bromoform
Concen: 20.869 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

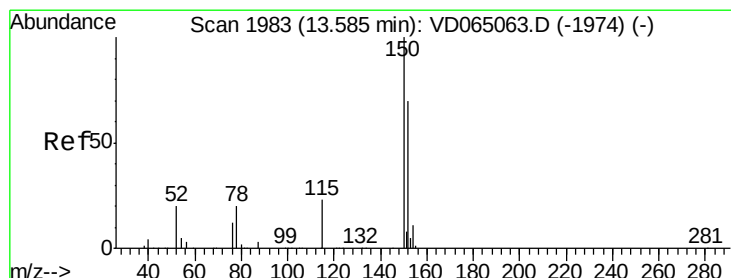
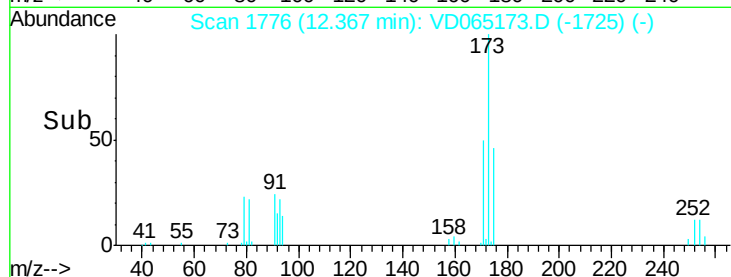
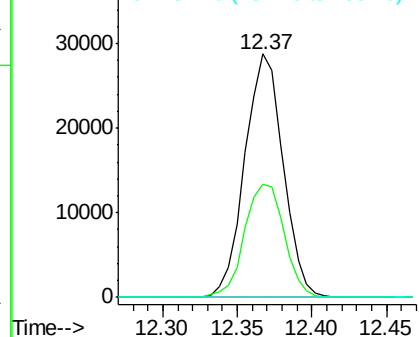
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.1	0.1#

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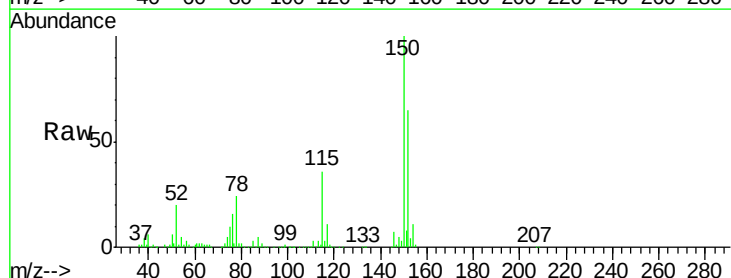


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

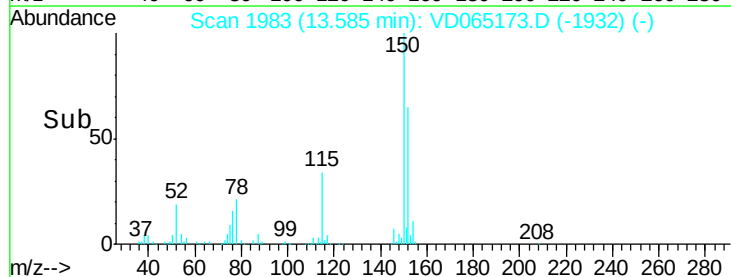
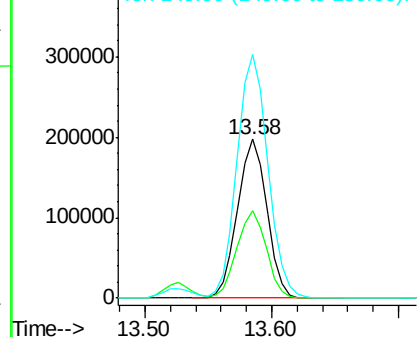


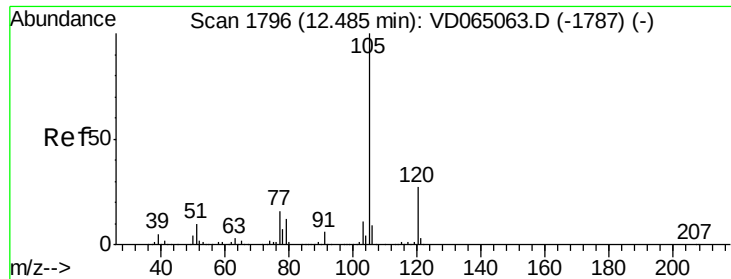
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.5	82.4
150	161.2	0.0	343.2



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: 18.510 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 105 Resp: 401768

Ion Ratio Lower Upper

105 100

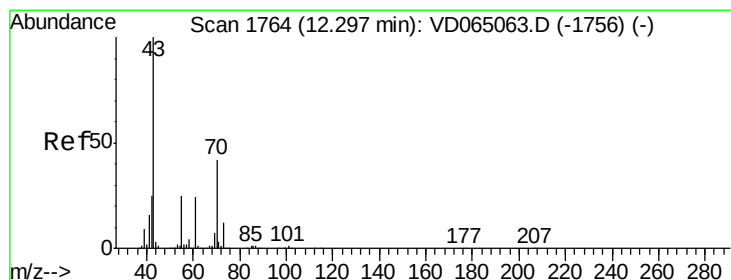
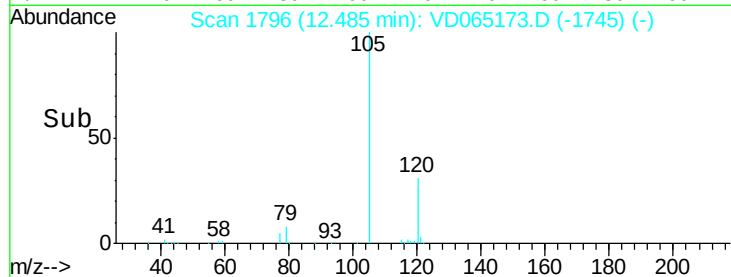
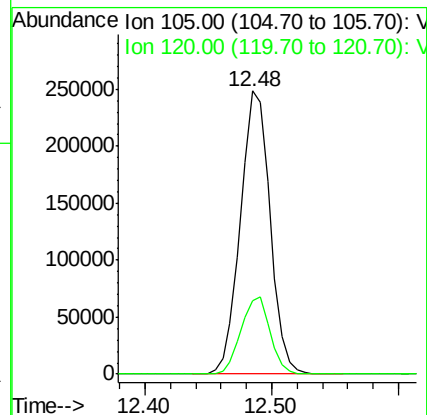
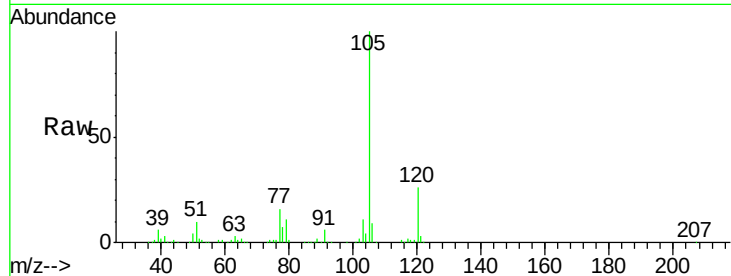
120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.761 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion: 43 Resp: 88512

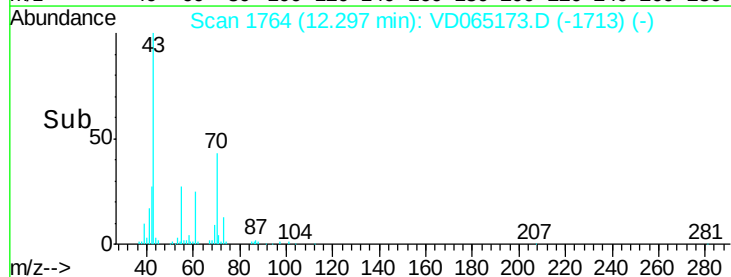
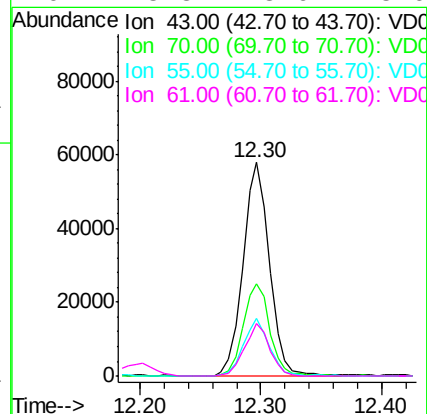
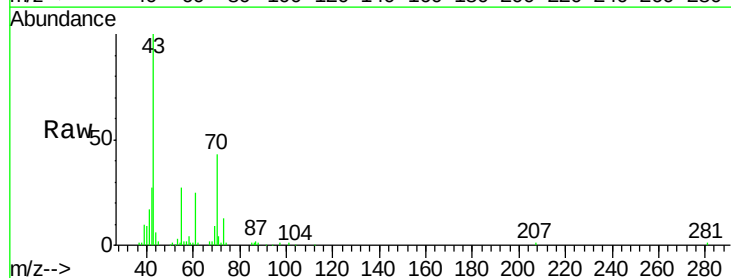
Ion Ratio Lower Upper

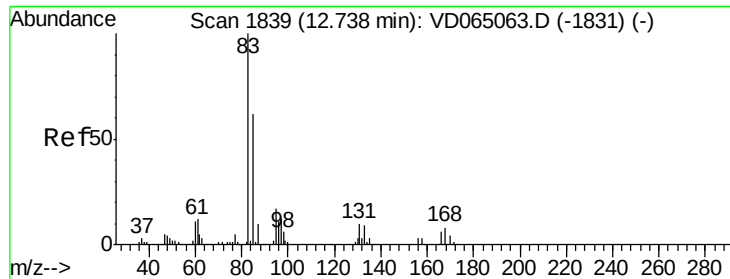
43 100

70 43.5 33.5 50.3

55 26.4 19.4 29.2

61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.039 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

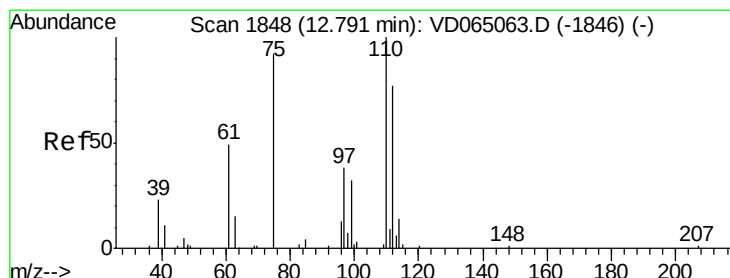
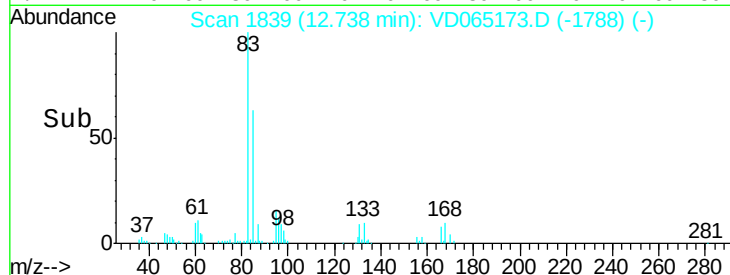
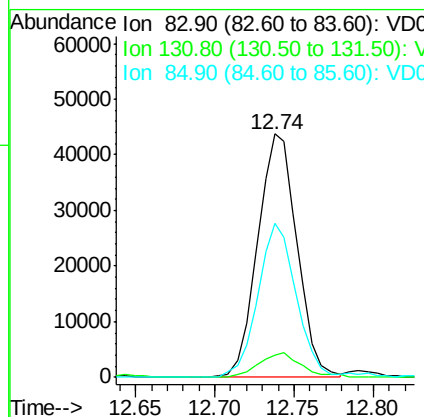
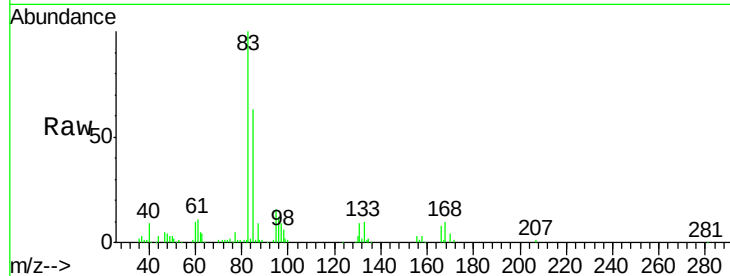
ClientSampleId :

VD0213SBS01

Tot Ion:	83	Resp:	75286
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	61.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.709 ug/l m

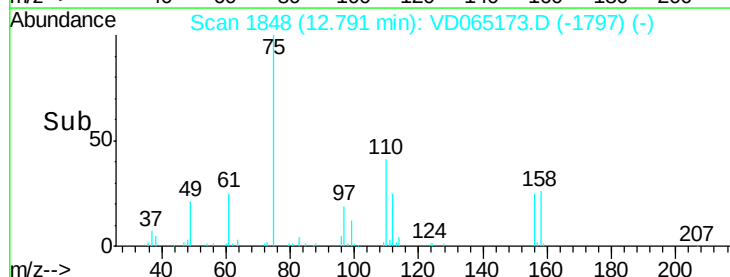
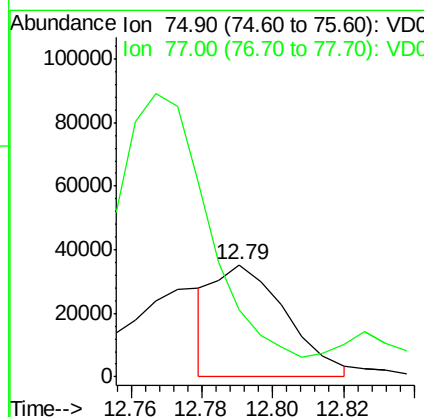
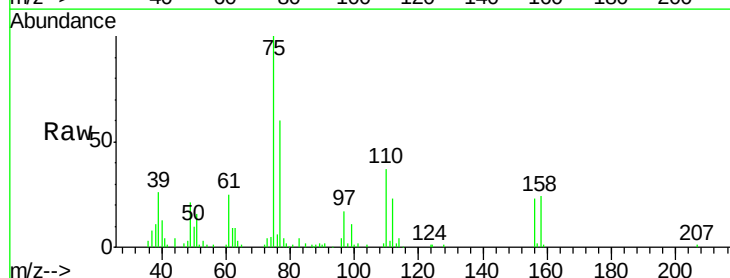
RT: 12.79 min Scan# 1848

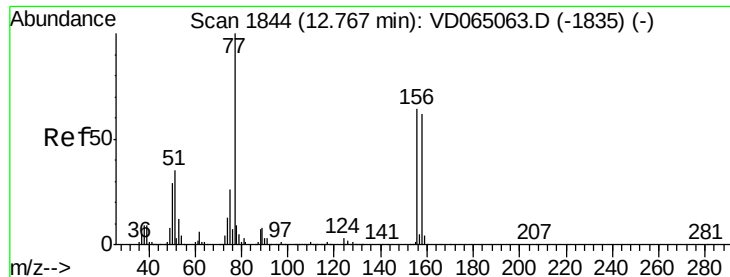
Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion:	75	Resp:	49583
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





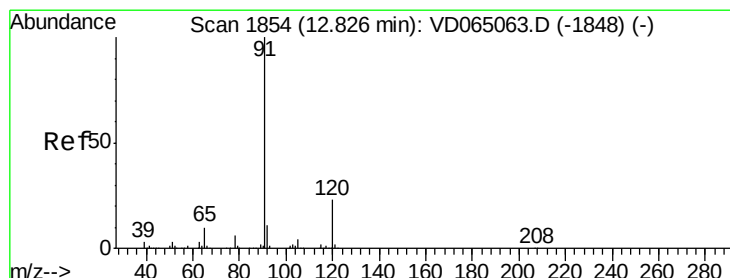
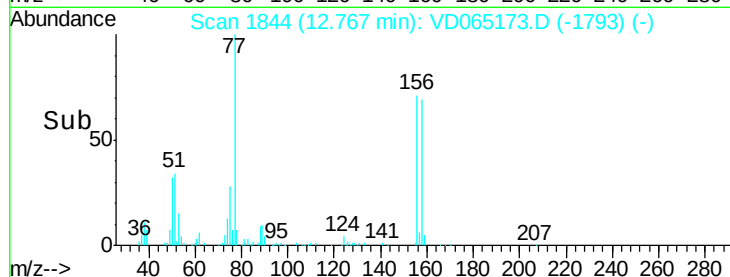
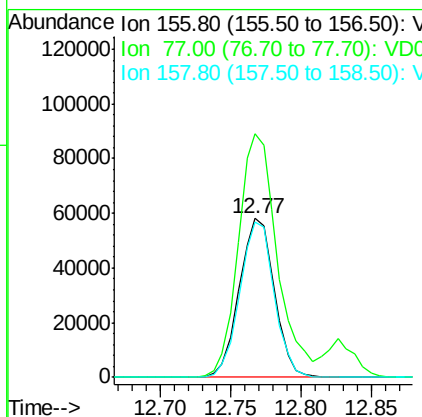
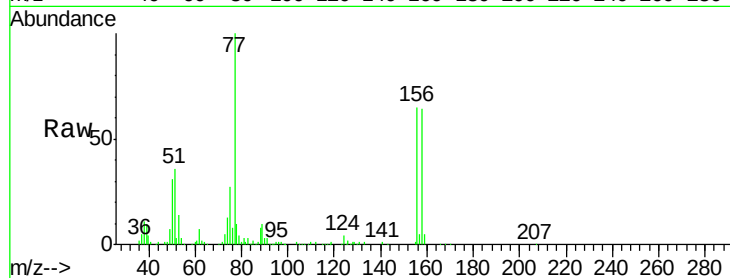
#77
Bromobenzene
Concen: 19.278 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		100816		
77	170.0	85.6	256.8		
158	96.1	47.4	142.2		

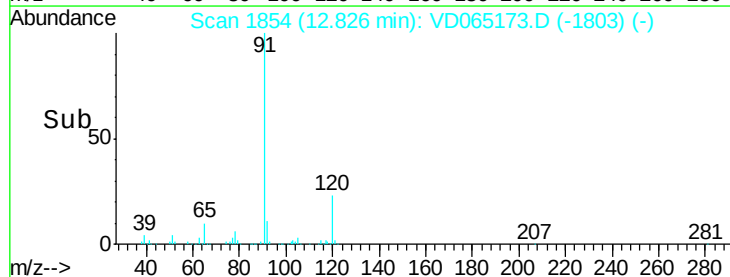
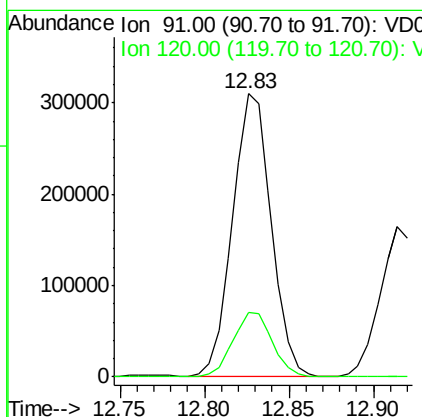
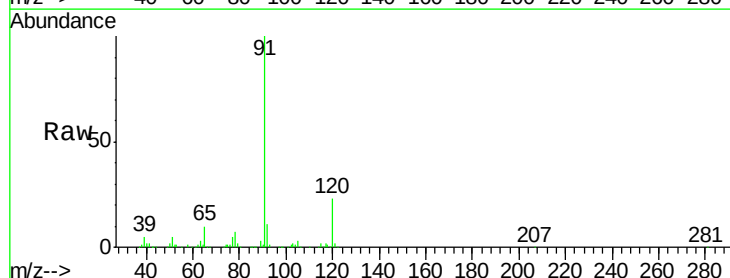
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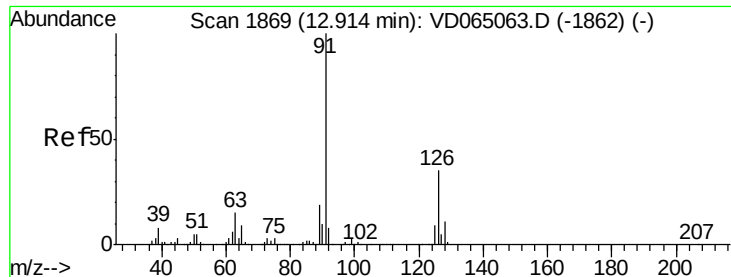
MMDadoda
2/14/2020 4:17:52 PM



#78
n-propylbenzene
Concen: 19.342 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		491650		
120	23.3	11.8	35.3		





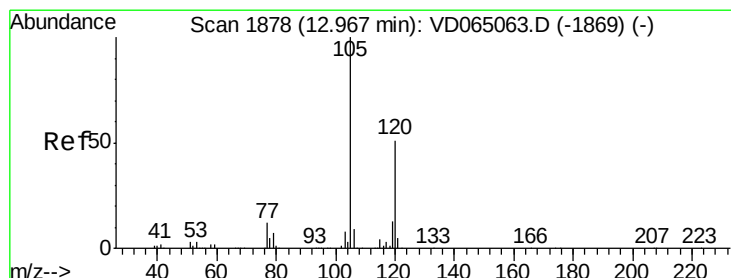
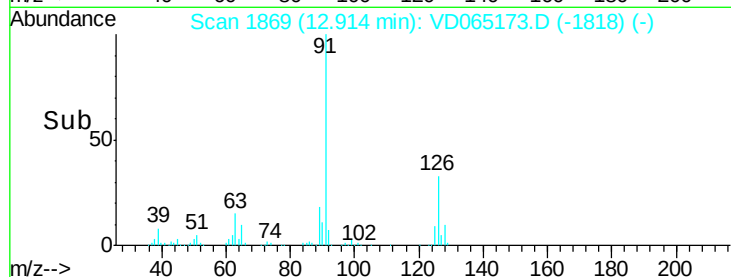
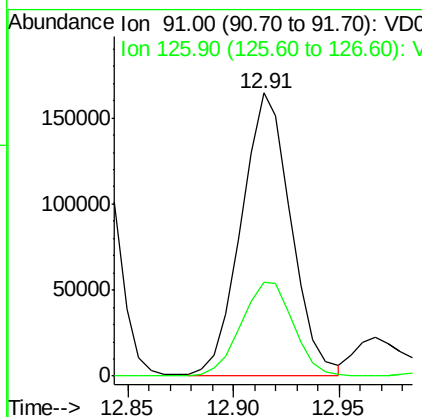
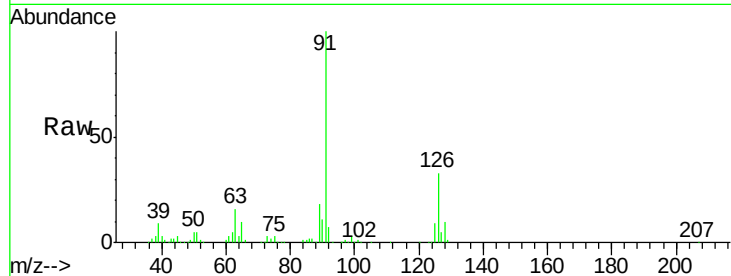
#79
2-Chlorotoluene
Concen: 18.924 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3

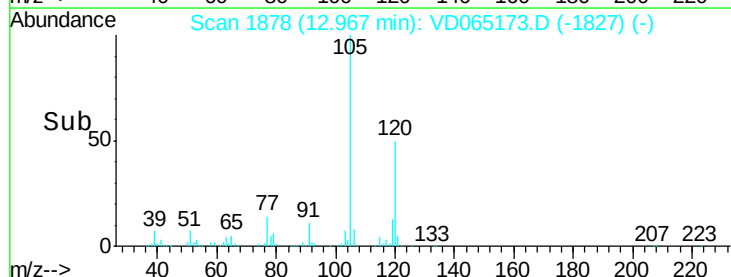
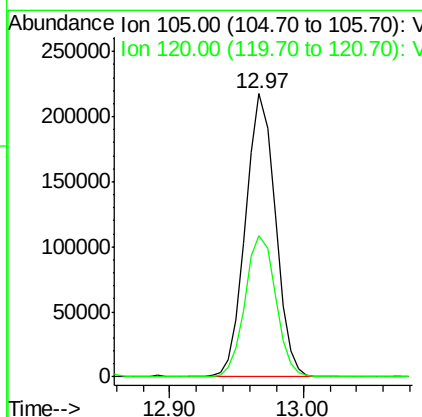
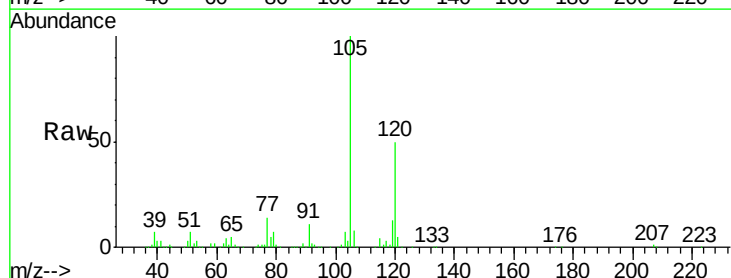
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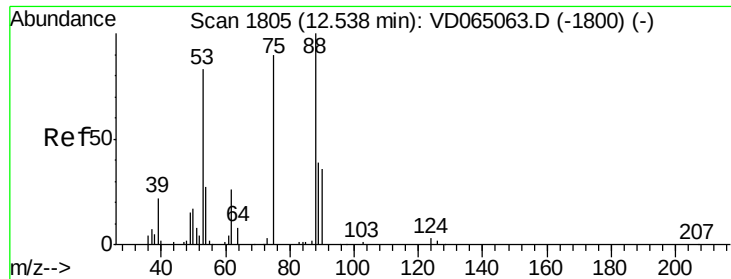
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 18.965 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.2	25.1	75.4





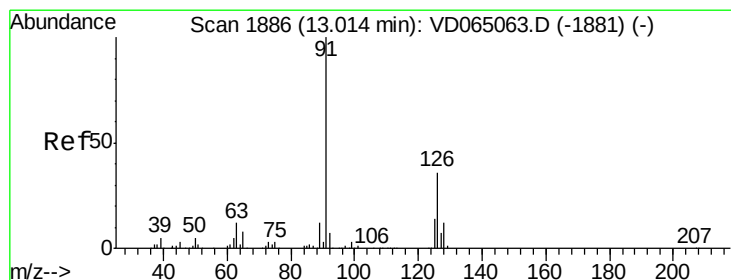
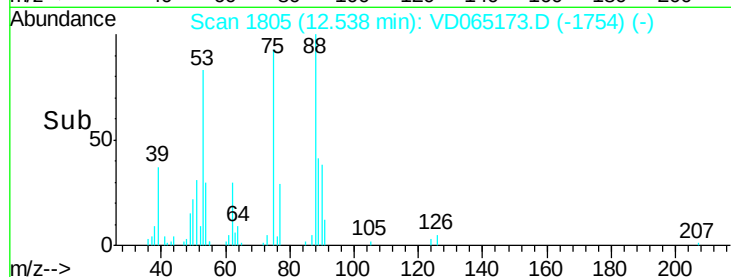
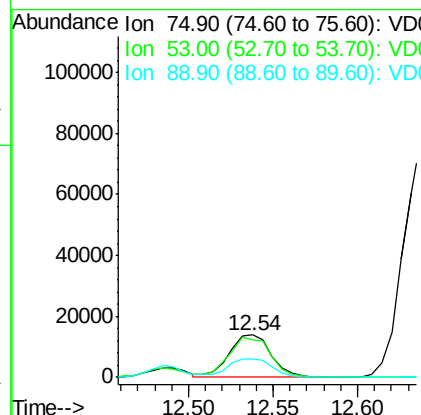
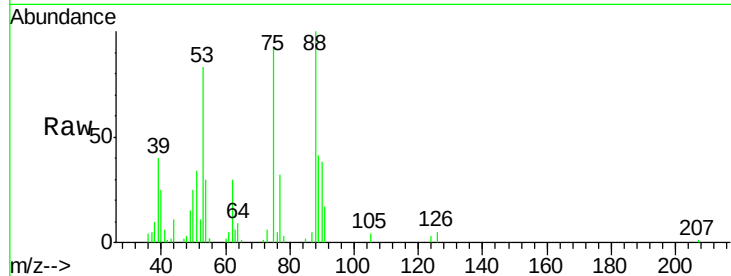
#81
trans-1,4-Dichloro-2-butene
Concen: 20.247 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	78.5	117.7
89	45.6	37.0	55.4

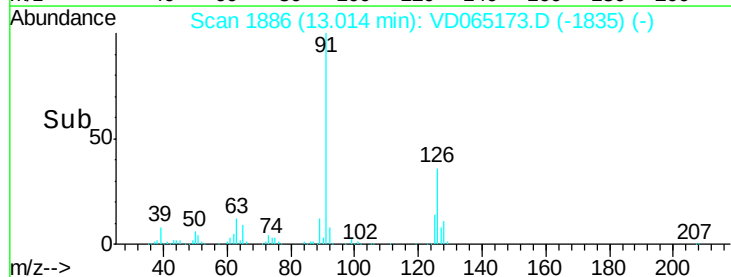
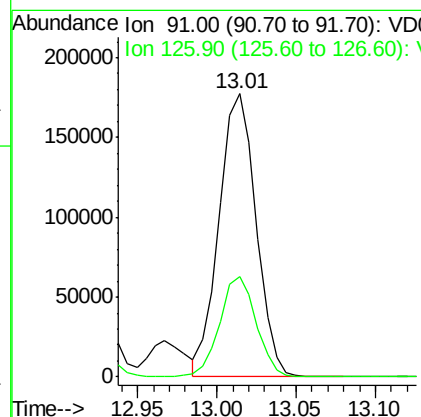
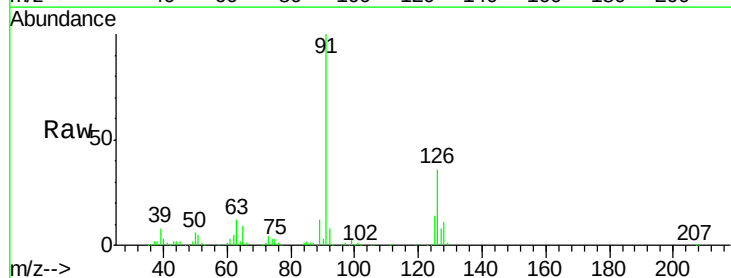
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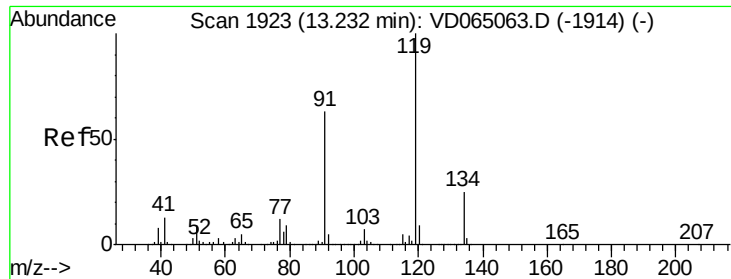
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.357 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





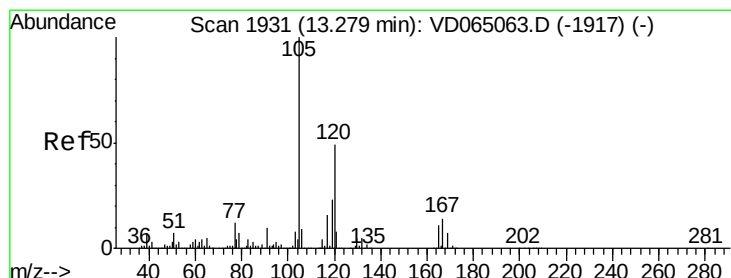
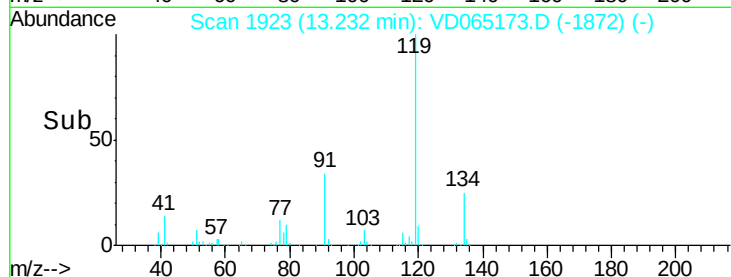
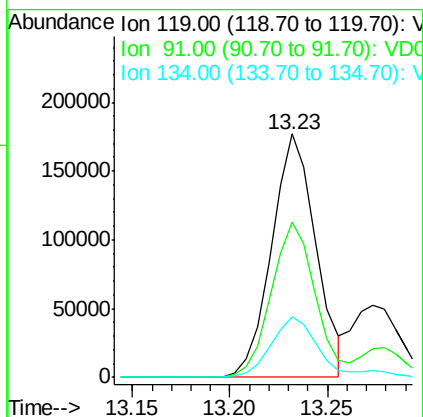
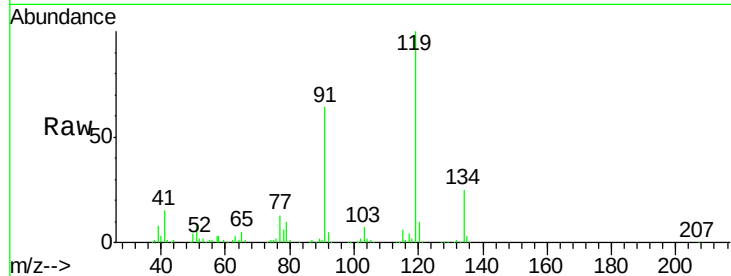
#83
 tert-Butylbenzene
 Concen: 18.112 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	277478		
91	63.9		32.3	96.9
134	27.5		13.8	41.3

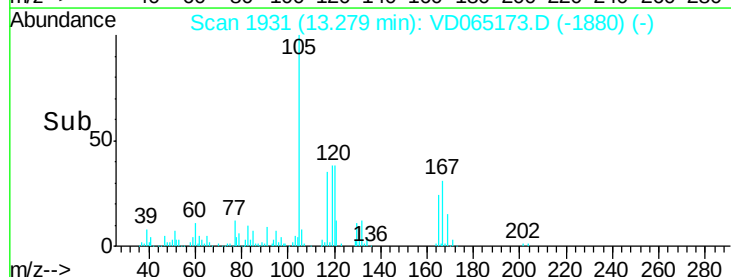
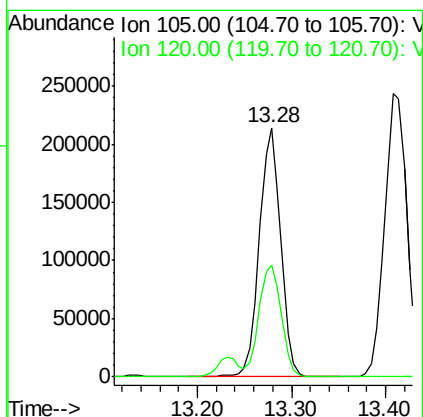
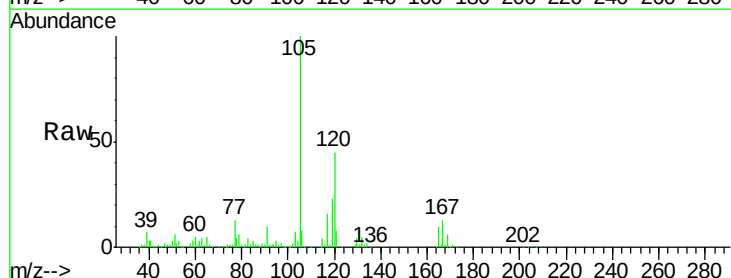
Manual Integrations
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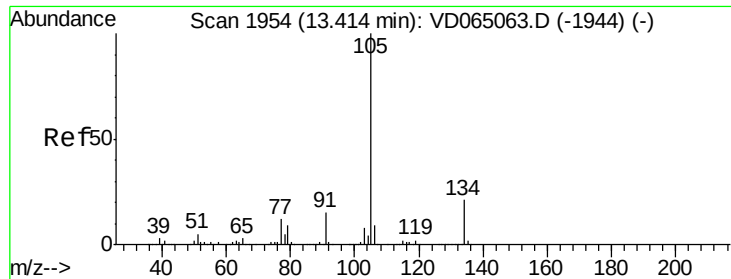
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.040 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335664		
120	46.7		23.5	70.5





#85

sec-Butylbenzene

Concen: 19.071 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion:105 Resp: 399044

Ion Ratio Lower Upper

105 100

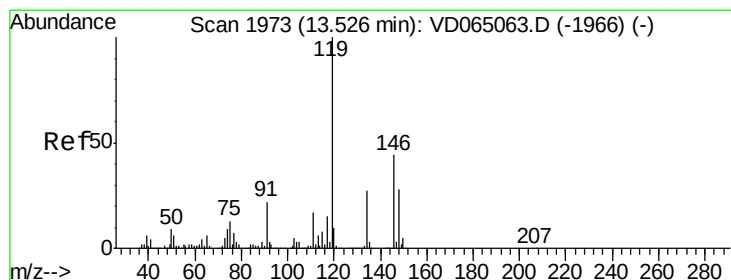
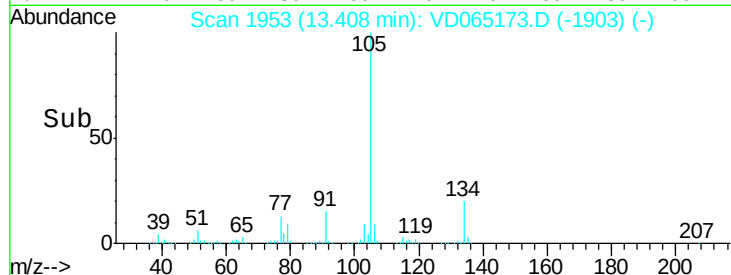
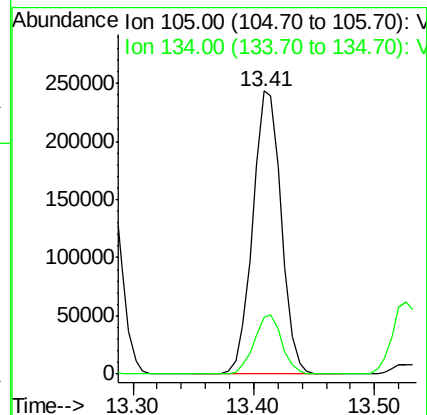
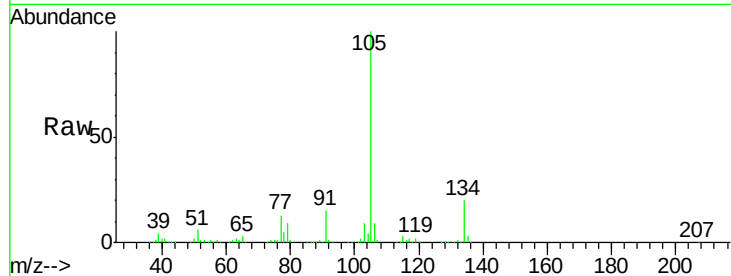
134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 18.836 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

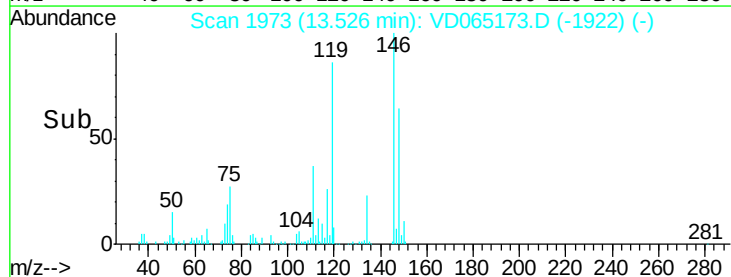
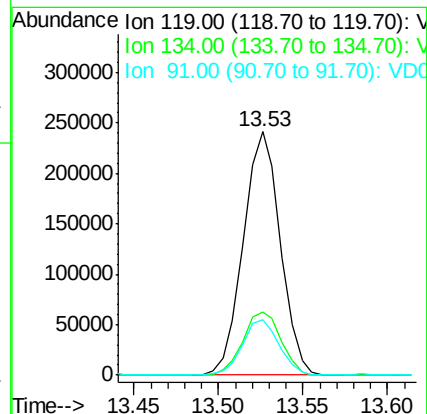
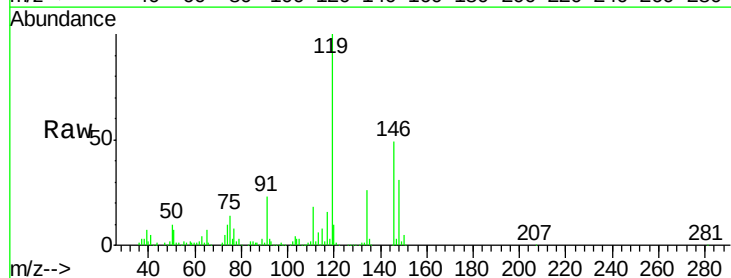
Tgt Ion:119 Resp: 366179

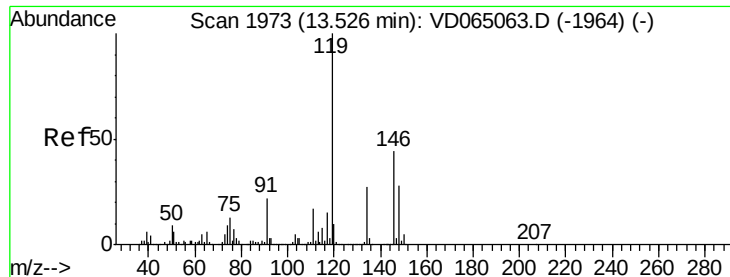
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.9 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.551 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Instrument :

MSVOA_D

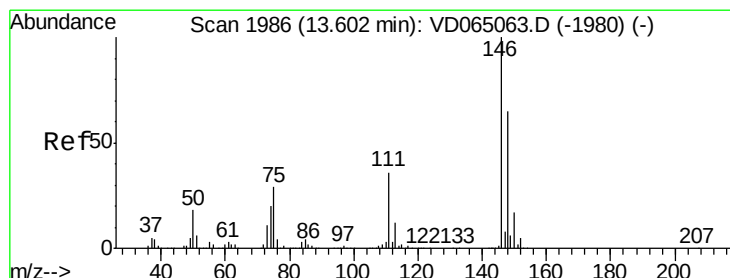
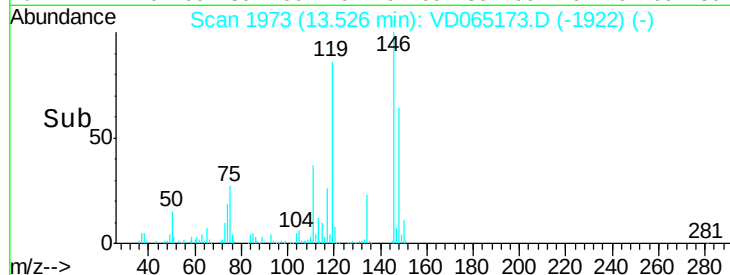
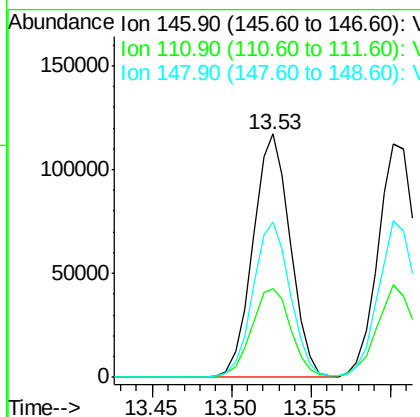
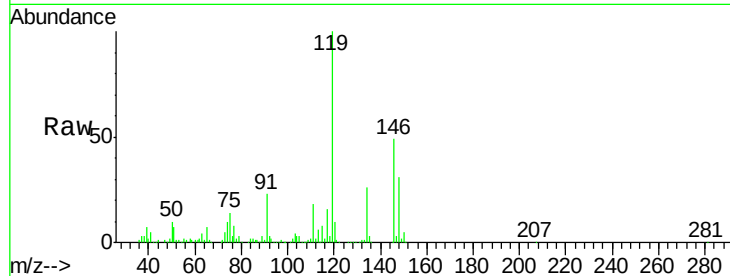
ClientSampleId :

VD0213SBS01

Tot Ion:	146	Resp:	191436
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.4
148	63.9	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 19.326 ug/l

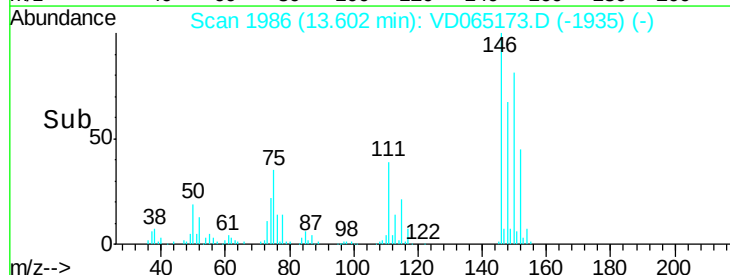
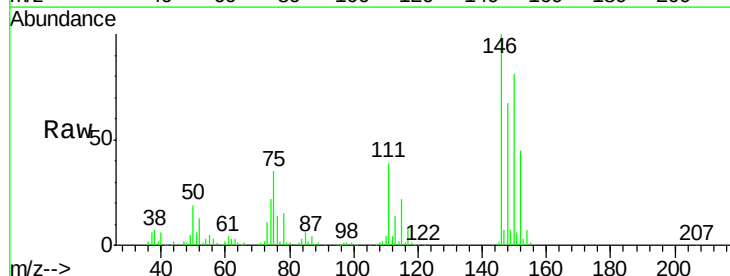
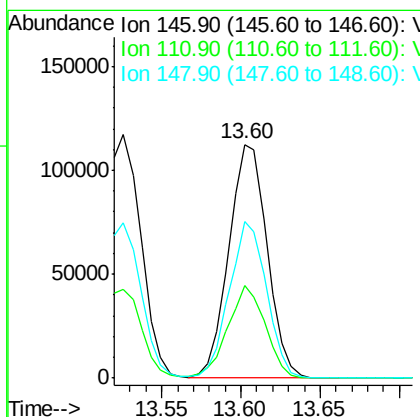
RT: 13.60 min Scan# 1986

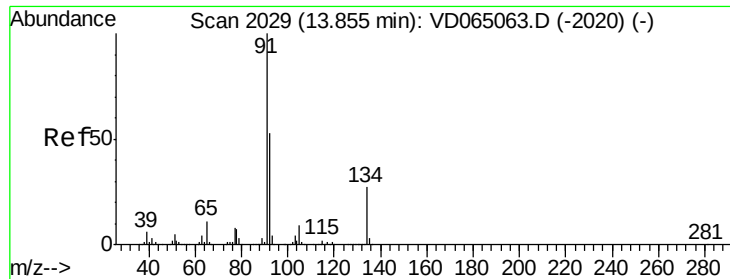
Delta R.T. 0.00 min

Lab File: VD065173.D

Acq: 13 Feb 2020 11:49

Tgt Ion:	146	Resp:	188341
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.5	55.5
148	65.5	32.7	98.1





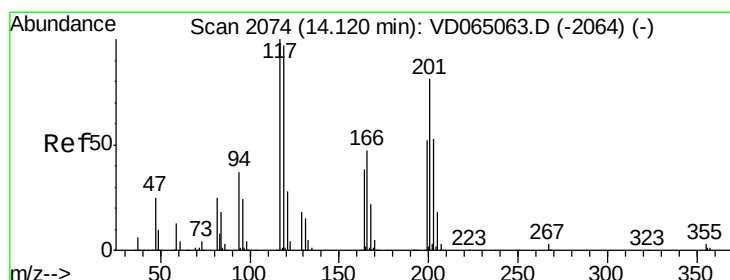
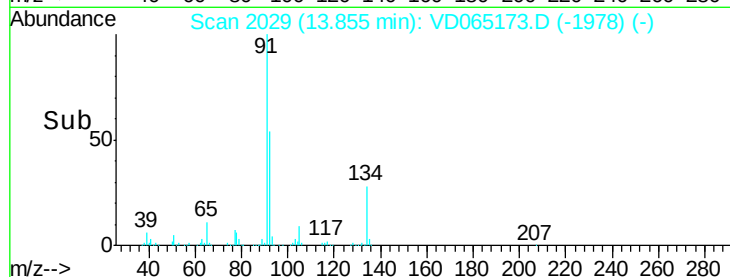
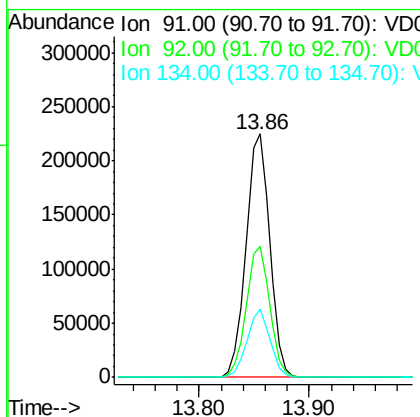
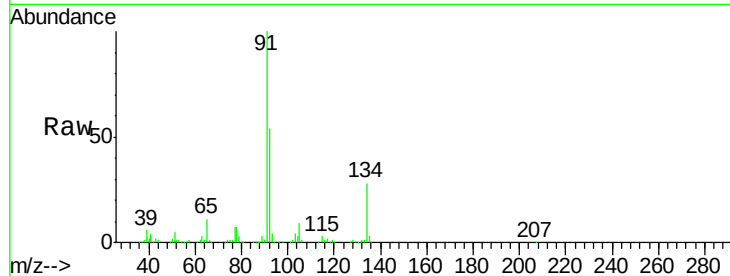
#89
n-Butylbenzene
Concen: 18.969 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	26.9	13.4	40.2

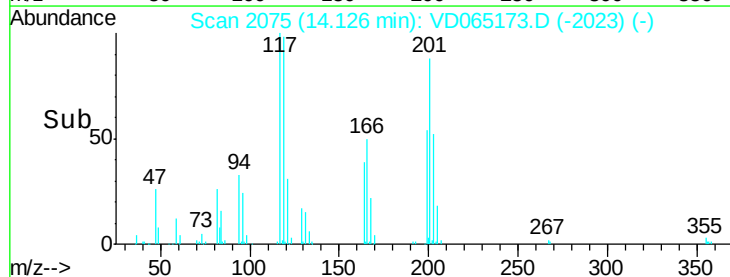
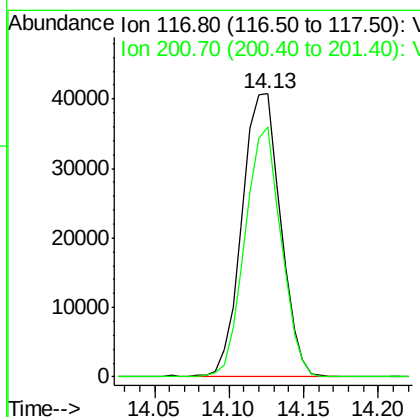
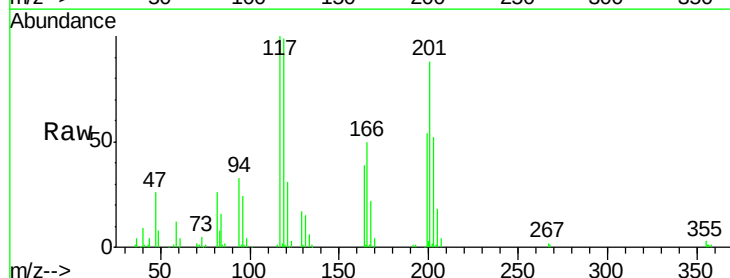
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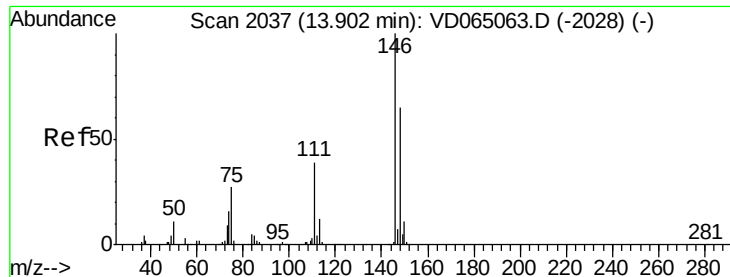
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#90
Hexachloroethane
Concen: 19.868 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	42.5	127.6





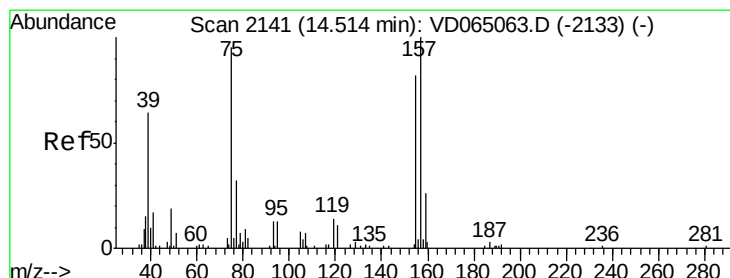
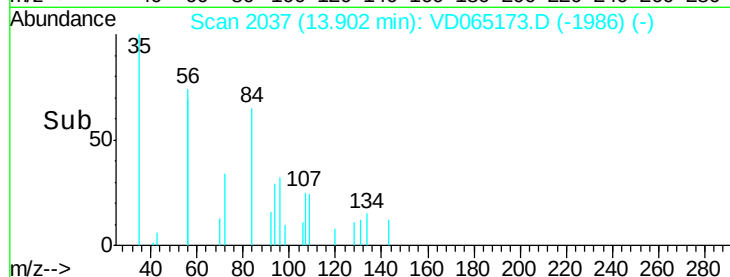
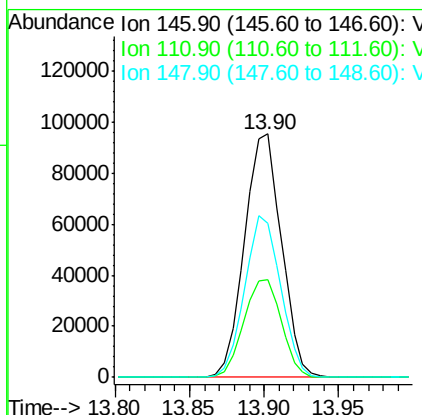
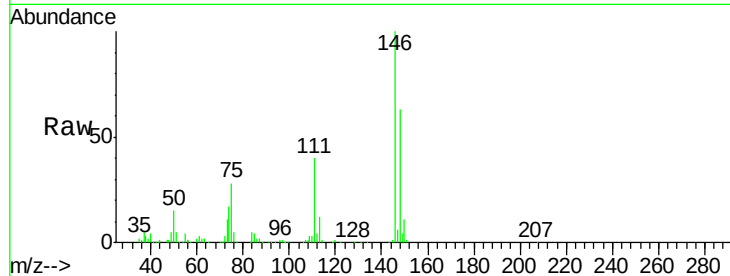
#91
 1,2-Dichlorobenzene
 Concen: 19.498 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.1
148	64.8	31.9	95.5

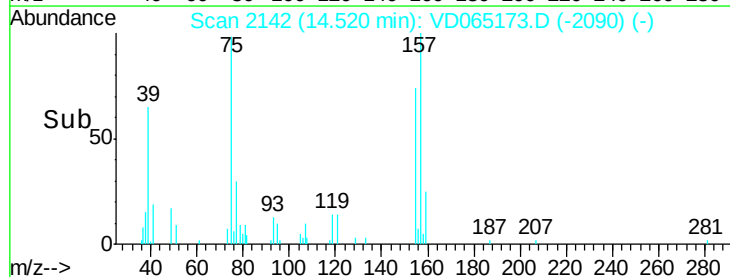
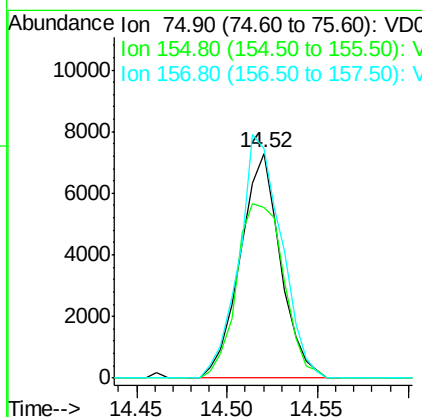
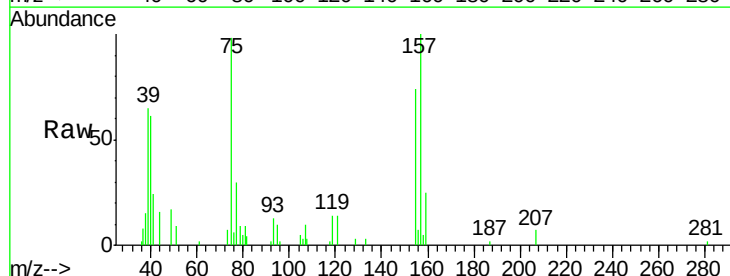
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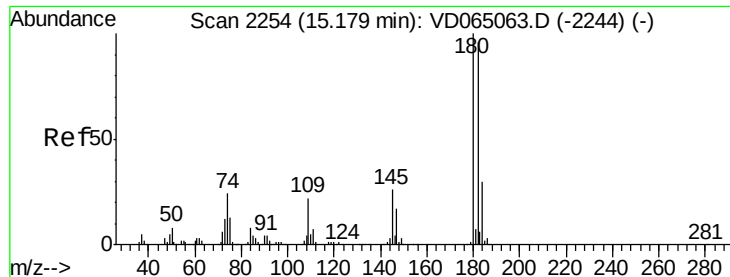
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 2/14/2020 4:17:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.179 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	43.4	130.1
157	113.1	55.8	167.3





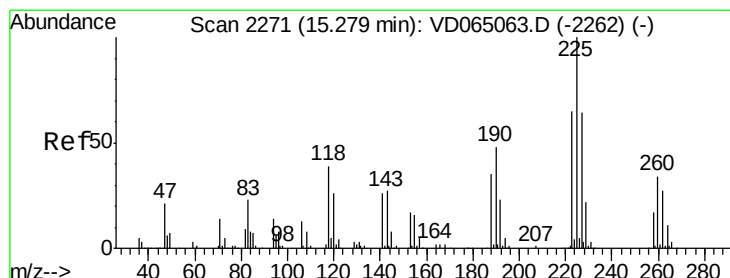
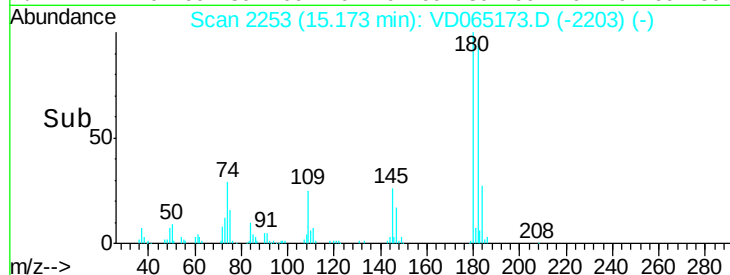
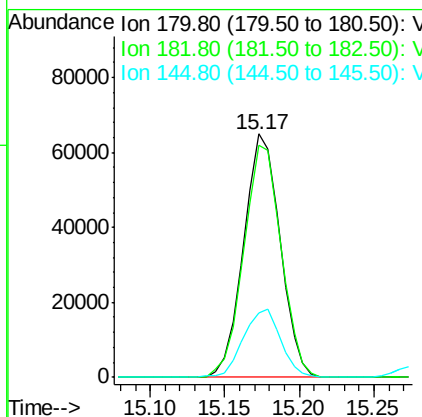
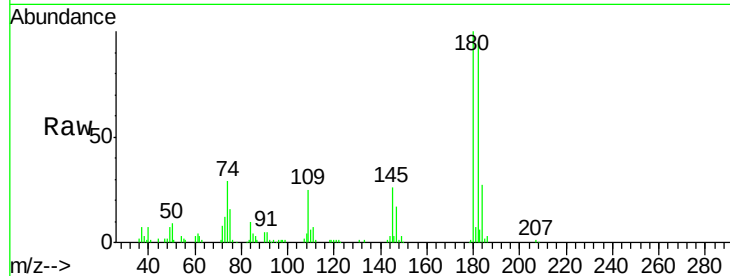
#93
 1,2,4-Trichlorobenzene
 Concen: 18.339 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109926		
182	97.6	47.4	142.3	
145	28.7	14.1	42.4	

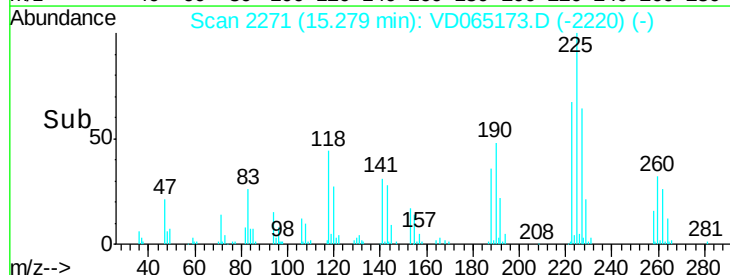
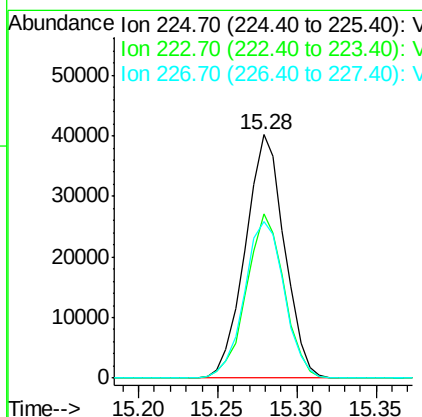
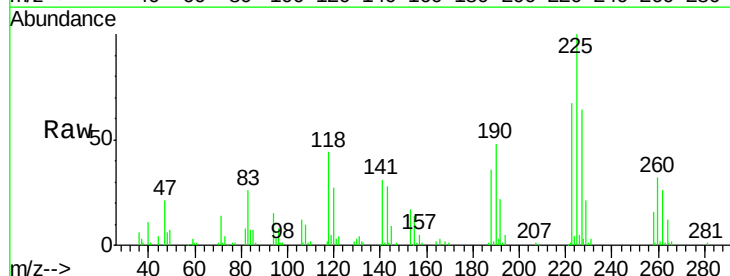
Manual Integrations
 APPROVED

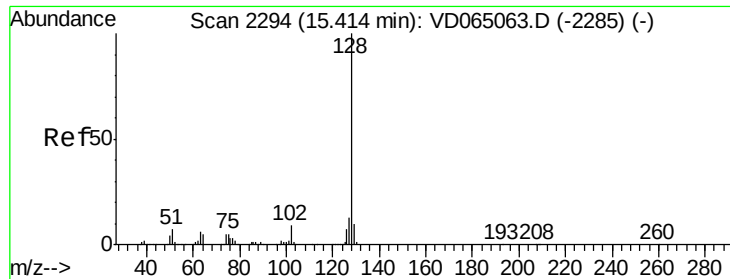
MMDadoda
 2/14/2020 4:17:52 PM



#94
 Hexachlorobutadiene
 Concen: 18.681 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065173.D
 Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68853		
223	65.1	31.4	94.0	
227	65.6	31.8	95.3	





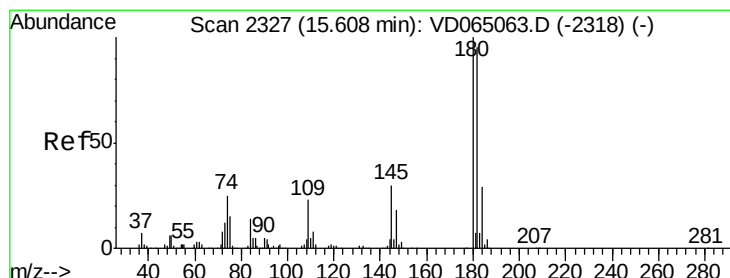
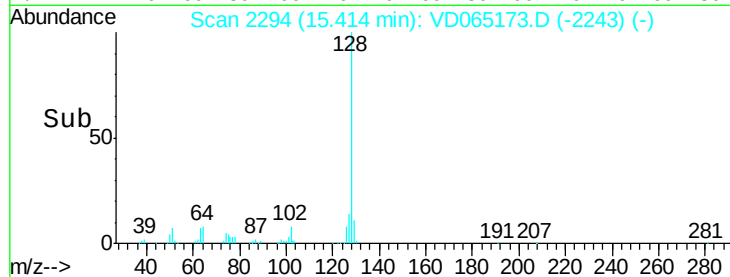
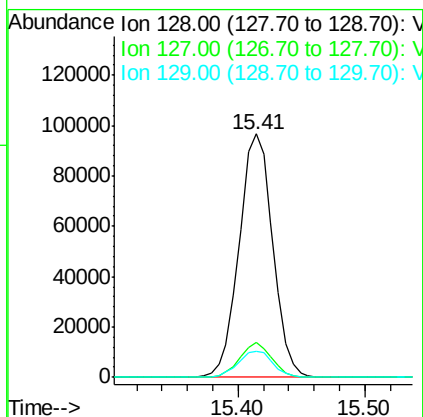
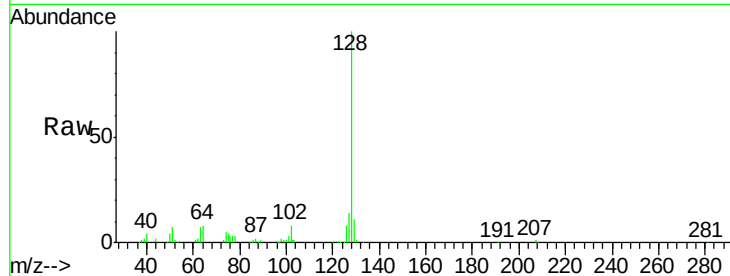
#95
Naphthalene
Concen: 17.862 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	177956		
127	13.6		10.6	15.8
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:17:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.278 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065173.D
Acq: 13 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98843		
182	93.3		47.1	141.4
145	29.8		14.9	44.9

