

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065160.D
 Acq On : 12 Feb 2020 11:58
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:59 AM

Quant Time: Feb 13 06:49:30 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	7.98	168	457935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202365	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	203012	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.34	98	792353	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.64	95	250896	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77391	20.308	ug/l	96
3) Chloromethane	2.21	50	103381	23.046	ug/l	98
4) Vinyl Chloride	2.35	62	103613	21.840	ug/l	96
5) Bromomethane	2.76	94	61541	20.006	ug/l	93
6) Chloroethane	2.92	64	64720	21.992	ug/l	100
7) Trichlorofluoromethane	3.27	101	152779	22.129	ug/l	98
8) Diethyl Ether	3.70	74	41533	20.955	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91812	21.753	ug/l	99
10) Methyl Iodide	4.29	142	86022	17.856	ug/l	99
11) Tert butyl alcohol	5.26	59	27312	114.853	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85588	21.173	ug/l	96
13) Acrolein	3.92	56	26035	89.012	ug/l	97
14) Allyl chloride	4.71	41	137852	20.519	ug/l	98
15) Acrylonitrile	5.43	53	95422	110.121	ug/l	99
16) Acetone	4.17	43	97322	100.014	ug/l	98
17) Carbon Disulfide	4.40	76	274685	21.164	ug/l	100
18) Methyl Acetate	4.72	43	49355	24.276	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	179889	20.124	ug/l	100
20) Methylene Chloride	4.96	84	102934	21.802	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	95674	20.920	ug/l	97
22) Diisopropyl ether	6.37	45	272316	21.489	ug/l	97
23) Vinyl Acetate	6.31	43	727961	103.064	ug/l	100
24) 1,1-Dichloroethane	6.27	63	168910	22.022	ug/l	97
25) 2-Butanone	7.23	43	123845	106.695	ug/l	99
26) 2,2-Dichloropropane	7.21	77	145557	21.172	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	102662	21.130	ug/l	98
28) Bromochloromethane	7.55	49	58010	19.951	ug/l	100
29) Tetrahydrofuran	7.57	42	75939	108.184	ug/l	98
30) Chloroform	7.71	83	169820	22.236	ug/l	97
31) Cyclohexane	7.99	56	157657	20.362	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	153068	21.516	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136871	21.303	ug/l	99
37) Ethyl Acetate	7.30	43	55188	21.025	ug/l	99
38) Carbon Tetrachloride	8.10	117	140064	21.344	ug/l	98

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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	157191	19.821	ug/l	99
40) Benzene	8.35	78	377632	21.284	ug/l	98
41) Methacrylonitrile	7.53	41	25840m	17.869	ug/l	
42) 1,2-Dichloroethane	8.43	62	106530	21.072	ug/l	97
43) Isopropyl Acetate	8.46	43	102865	20.486	ug/l	99
44) Trichloroethene	9.11	130	103986	20.419	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94127	22.127	ug/l	94
46) Dibromomethane	9.48	93	47969	21.459	ug/l	100
47) Bromodichloromethane	9.67	83	130484	22.154	ug/l	97
48) Methyl methacrylate	9.46	41	48369	20.019	ug/l	98
49) 1,4-Dioxane	9.46	88	11248	424.836	ug/l	89
51) 4-Methyl-2-Pentanone	10.24	43	262366	106.157	ug/l	100
52) Toluene	10.41	92	241461	21.323	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	118262	20.622	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	143055	20.858	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	68539	22.354	ug/l	98
56) Ethyl methacrylate	10.67	69	80211	20.676	ug/l	94
57) 1,3-Dichloropropane	10.95	76	116558	21.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	132899	94.180	ug/l	99
59) 2-Hexanone	10.99	43	185717	106.087	ug/l	100
60) Dibromochloromethane	11.14	129	88721	22.340	ug/l	97
61) 1,2-Dibromoethane	11.25	107	66027	22.039	ug/l	99
64) Tetrachloroethene	10.88	164	88224	19.640	ug/l	97
65) Chlorobenzene	11.68	112	251213	20.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93667	20.989	ug/l	99
67) Ethyl Benzene	11.75	91	442781	20.156	ug/l	97
68) m/p-Xylenes	11.86	106	342345	40.830	ug/l	99
69) o-Xylene	12.18	106	150226	19.896	ug/l	100
70) Styrene	12.20	104	266372	20.298	ug/l	99
71) Bromoform	12.37	173	51891	21.603	ug/l #	99
73) Isopropylbenzene	12.48	105	410199	19.776	ug/l	99
74) N-amyl acetate	12.30	43	89135	19.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72489	22.206	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39126m	17.101	ug/l	
77) Bromobenzene	12.77	156	100789	20.168	ug/l	98
78) n-propylbenzene	12.83	91	498359	20.516	ug/l	100
79) 2-Chlorotoluene	12.91	91	277647	20.506	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	343131	20.221	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25091	21.932	ug/l	91
82) 4-Chlorotoluene	13.01	91	294244	20.692	ug/l	100
83) tert-Butylbenzene	13.23	119	284889	19.460	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	346120	20.545	ug/l	100
85) sec-Butylbenzene	13.41	105	411038	20.557	ug/l	99
86) p-Isopropyltoluene	13.53	119	379592	20.432	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	192785	20.604	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197146	21.170	ug/l	98
89) n-Butylbenzene	13.86	91	354023	20.646	ug/l	99
90) Hexachloroethane	14.12	117	77703	22.088	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	169005	21.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11806	22.154	ug/l	95

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MSVOA_D
ClientSampleId :
VD0212SBSD01

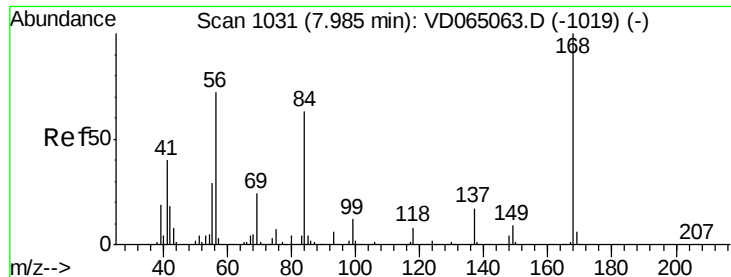
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114653	20.016	ug/l	98
94) Hexachlorobutadiene	15.28	225	73506	20.870	ug/l	100
95) Naphthalene	15.41	128	179503	18.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101375	20.690	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBSD01

Tot Ion:168 Resp: 457935

Ion Ratio Lower Upper

168 100

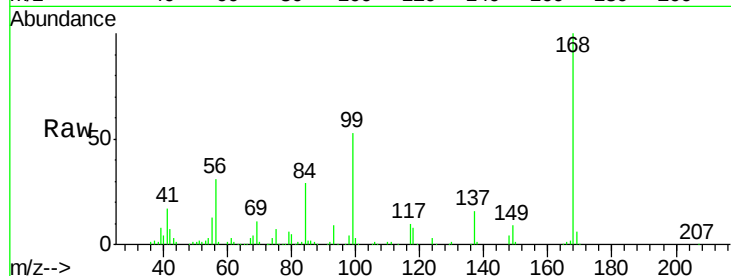
99 53.1 41.0 61.6

Manual Integrations

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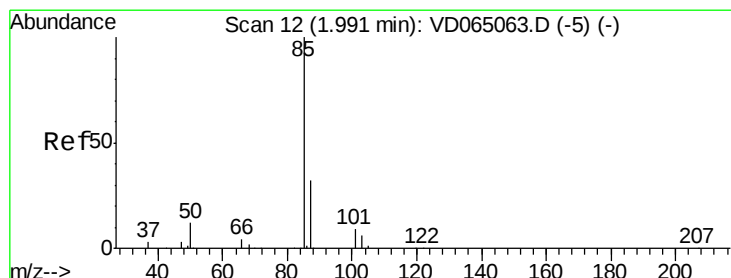
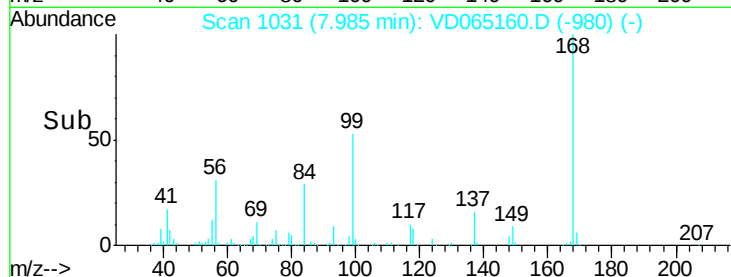
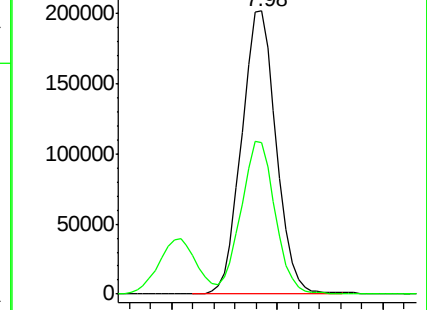
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.308 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065160.D

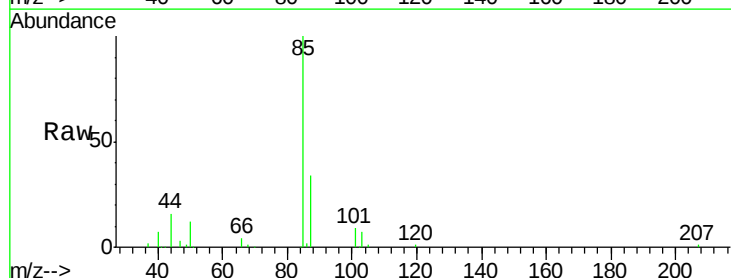
Acq: 12 Feb 2020 11:58

Tgt Ion: 85 Resp: 77391

Ion Ratio Lower Upper

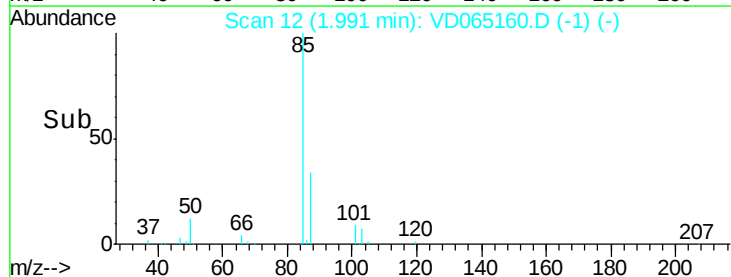
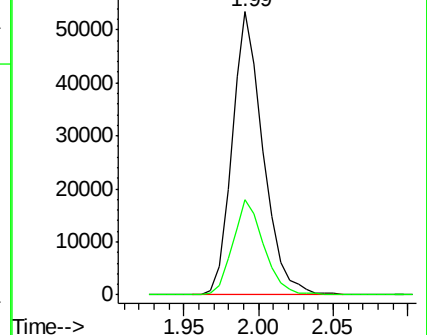
85 100

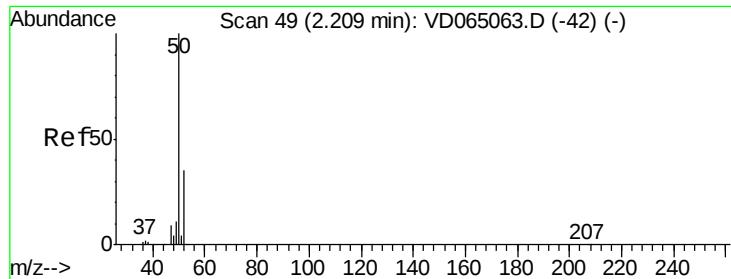
87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.046 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBSD01

Tot Ion: 50 Resp: 103381

Ion Ratio Lower Upper

50 100

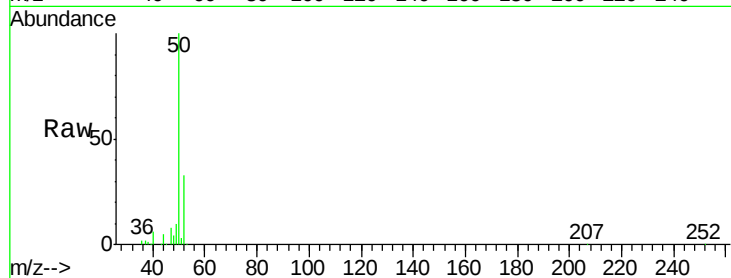
52 33.3 27.8 41.6

Manual Integrations

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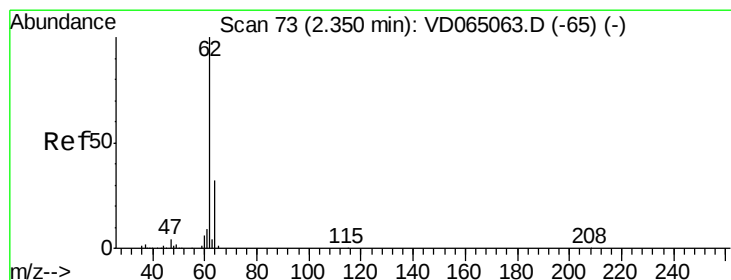
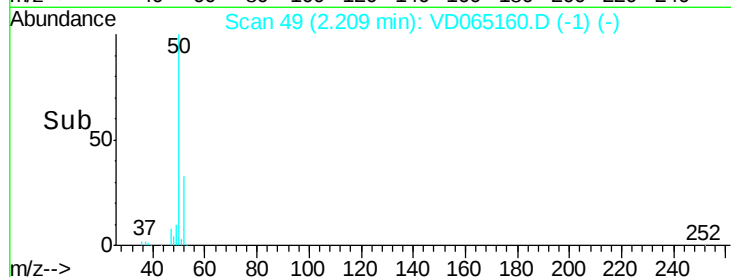
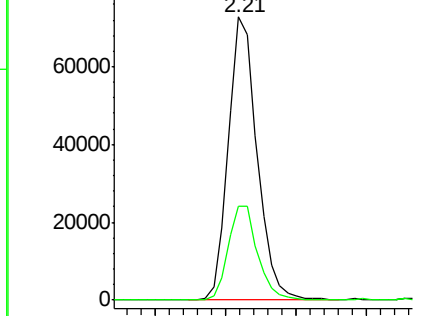
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.840 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065160.D

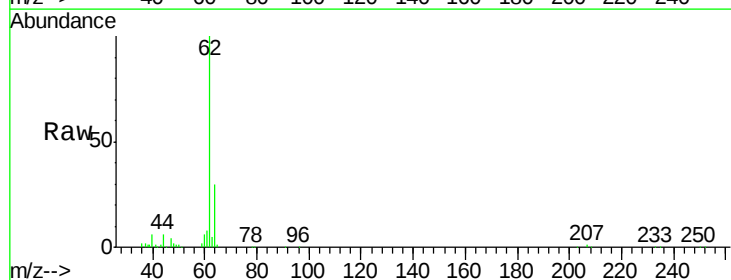
Acq: 12 Feb 2020 11:58

Tgt Ion: 62 Resp: 103613

Ion Ratio Lower Upper

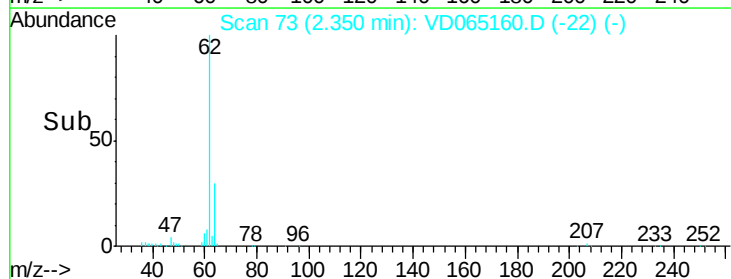
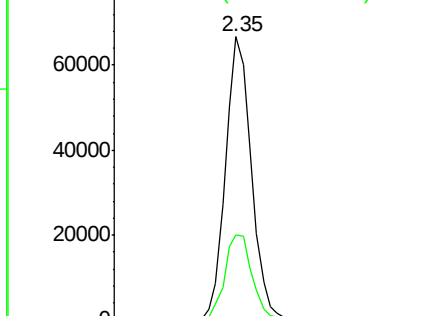
62 100

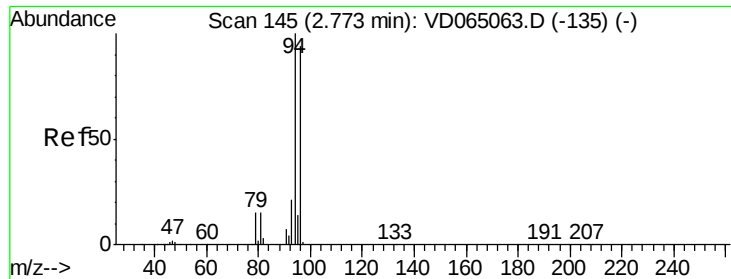
64 30.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.006 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 94 Resp: 61541

Ion Ratio Lower Upper

94 100

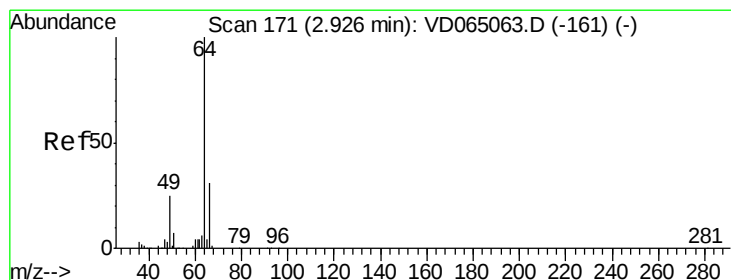
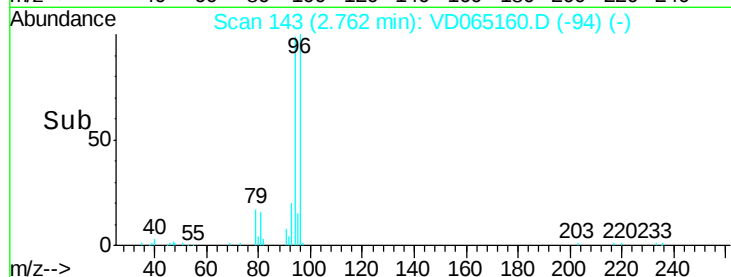
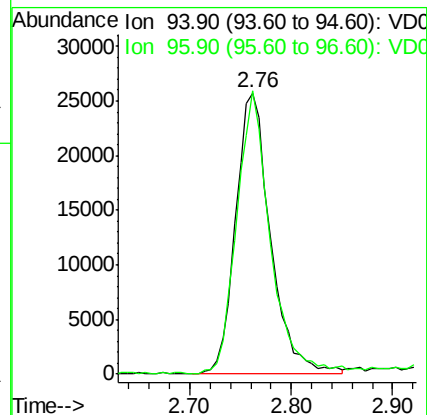
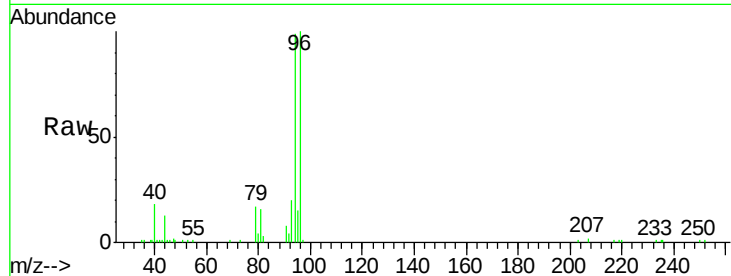
96 100.6 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 21.992 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065160.D

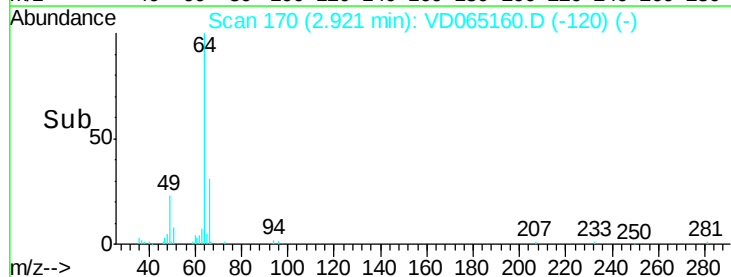
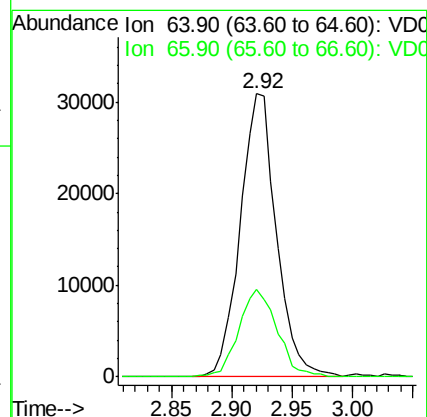
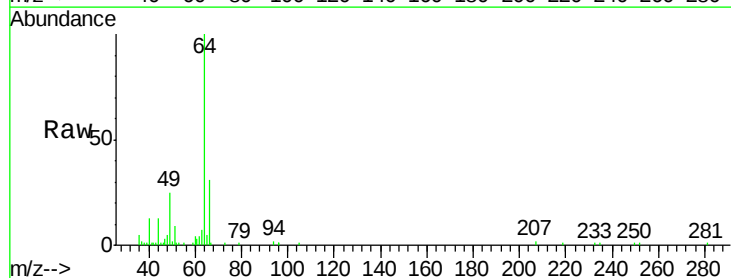
Acq: 12 Feb 2020 11:58

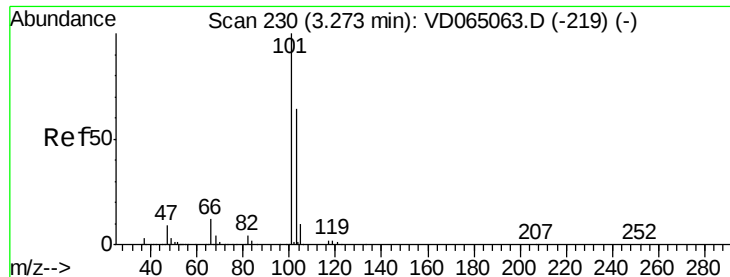
Tgt Ion: 64 Resp: 64720

Ion Ratio Lower Upper

64 100

66 30.8 24.8 37.2





#7

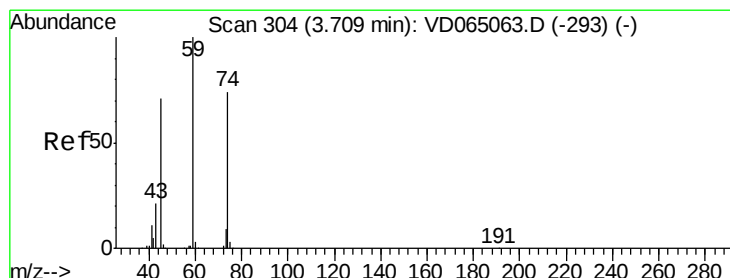
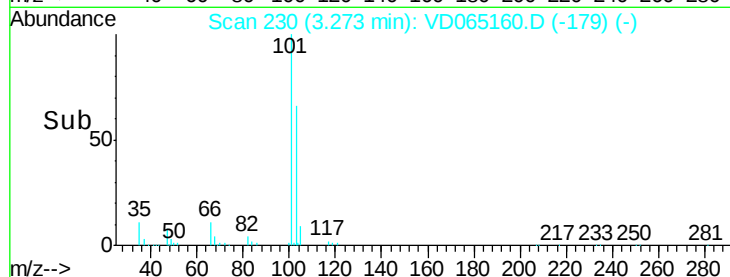
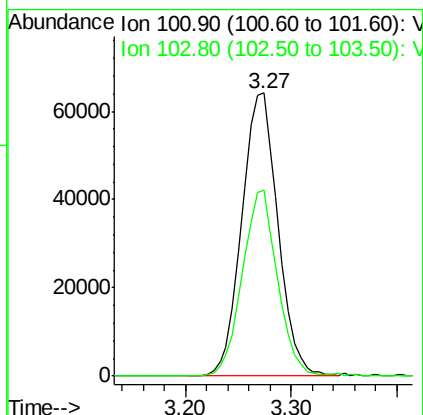
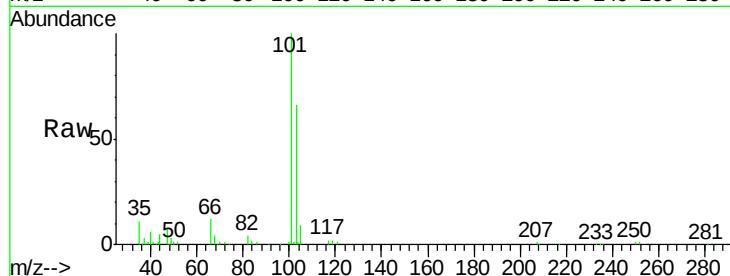
Trichlorofluoromethane
 Concen: 22.129 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
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 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.0	76.6

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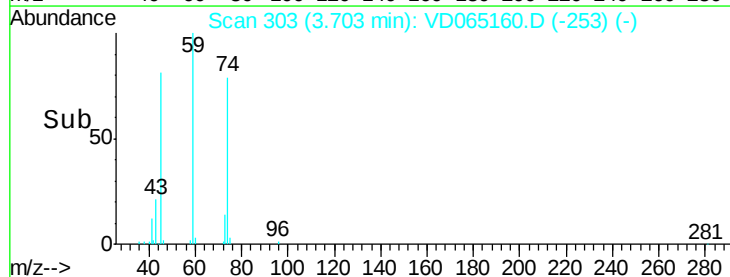
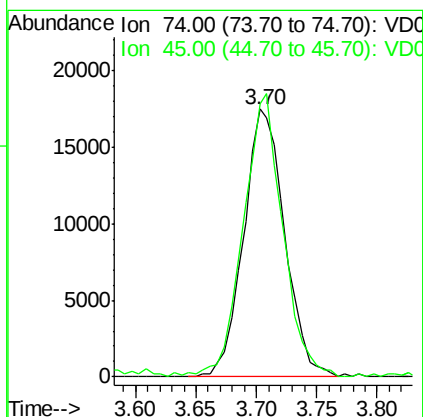
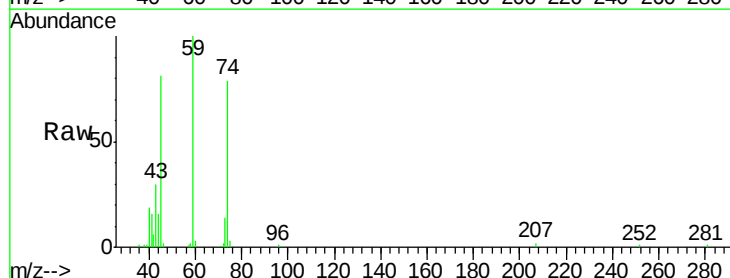
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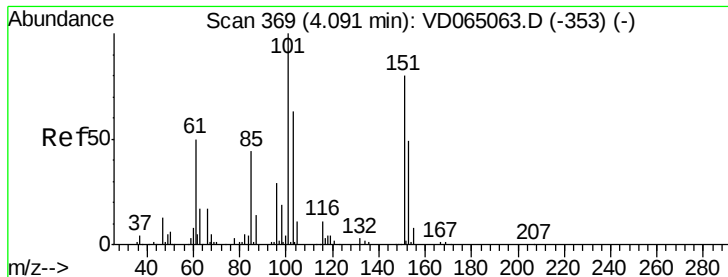


#8

Diethyl Ether
 Concen: 20.955 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.753 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

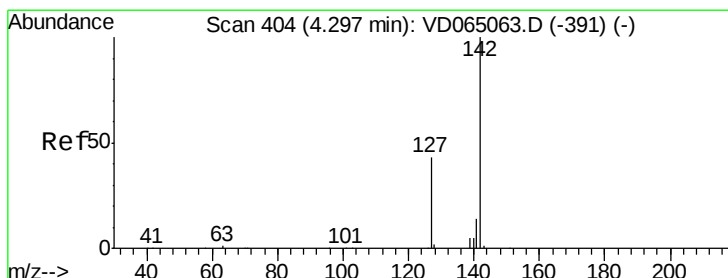
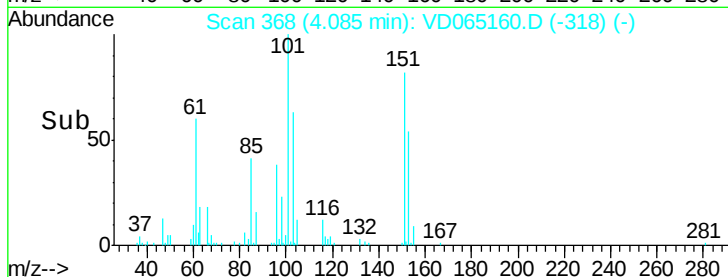
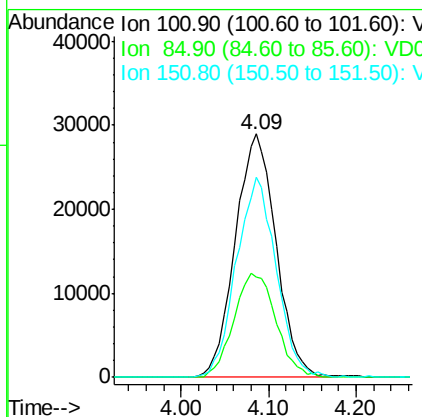
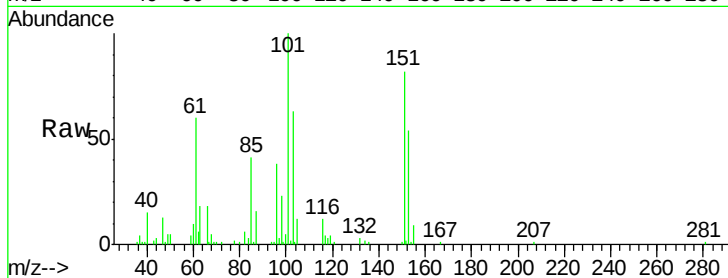
ClientSampleId :

VD0212SBS01

Tot Ion:	101	Resp:	91812
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.0	51.0
151	80.2	64.0	96.0

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#10

Methyl Iodide

Concen: 17.856 ug/l

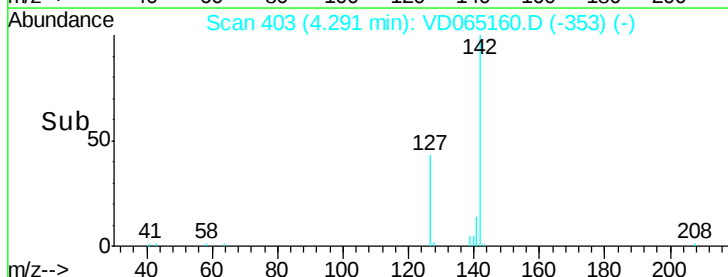
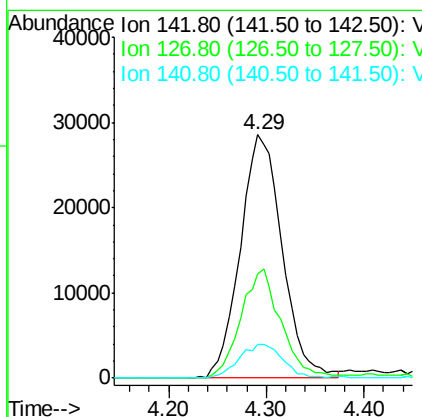
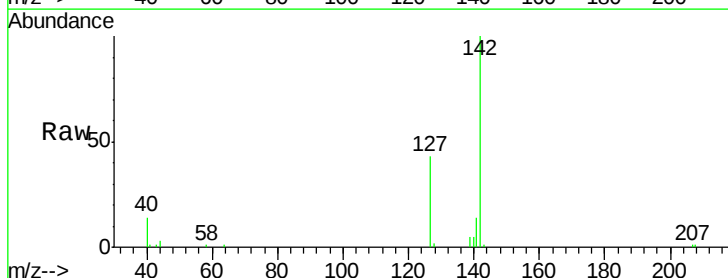
RT: 4.29 min Scan# 403

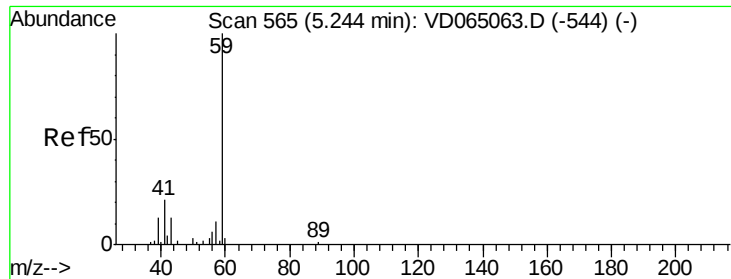
Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	142	Resp:	86022
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.0	51.0
141	14.3	11.6	17.4





#11

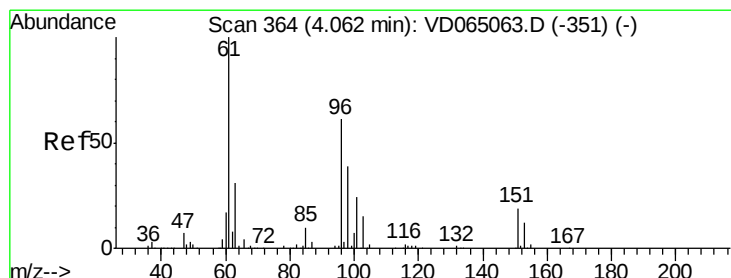
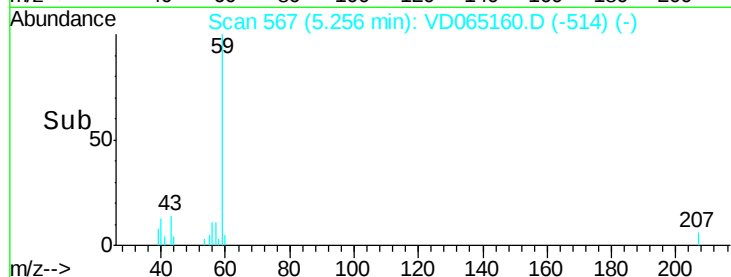
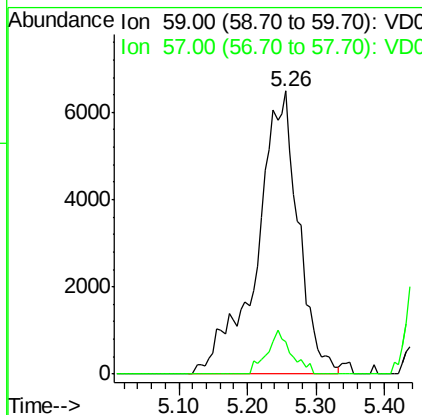
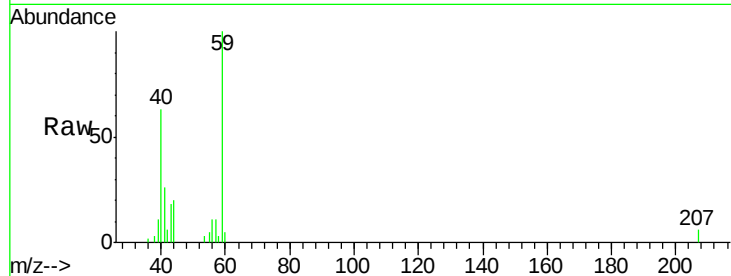
Tert butyl alcohol
Concen: 114.853 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.8	13.2

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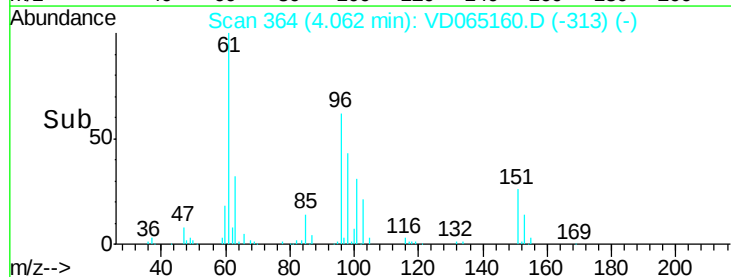
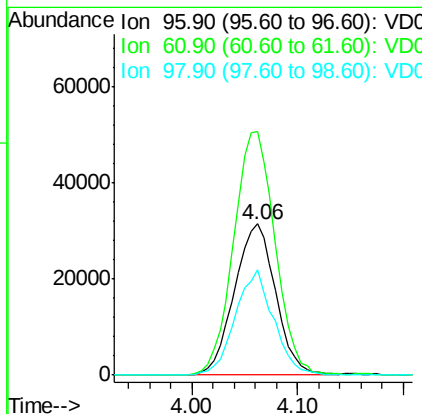
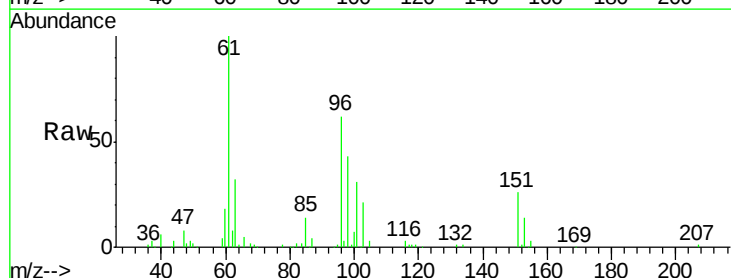
MMDadoda
2/13/2020 10:58:59 AM



#12

1,1-Dichloroethene
Concen: 21.173 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	131.4	197.2
98	69.2	51.1	76.7





#13

Acrolein

Concen: 89.012 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBSD01

Tot Ion: 56 Resp: 26035

Ion Ratio Lower Upper

56 100

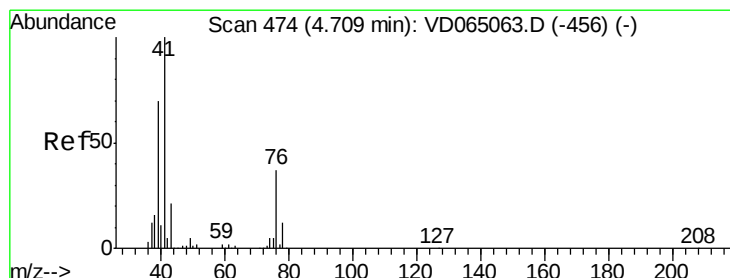
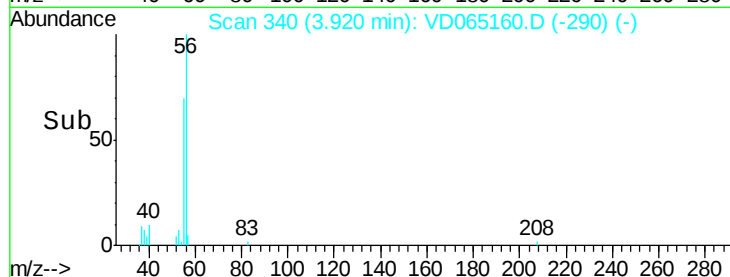
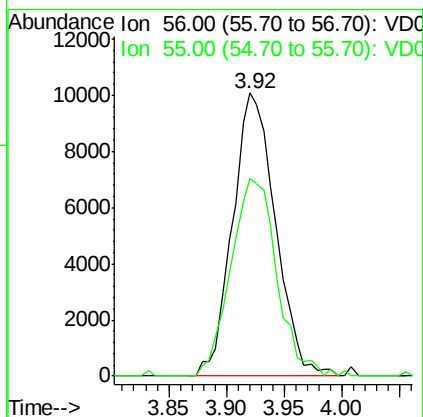
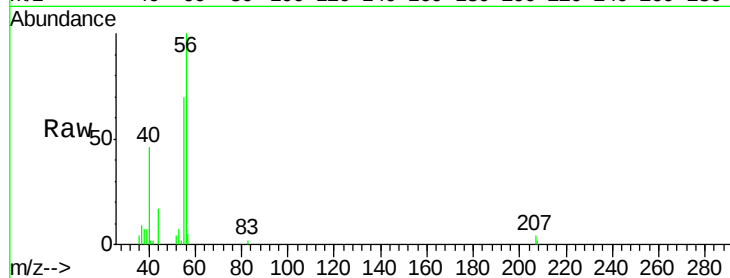
55 75.0 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.519 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

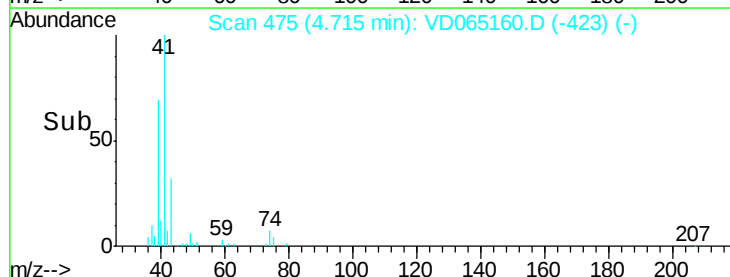
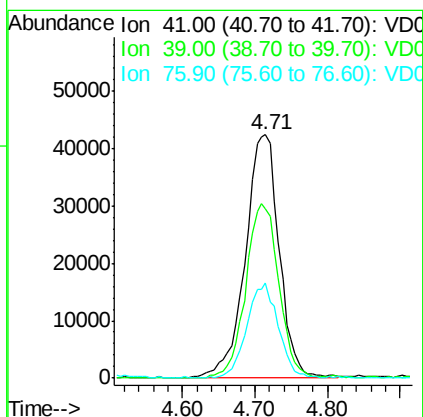
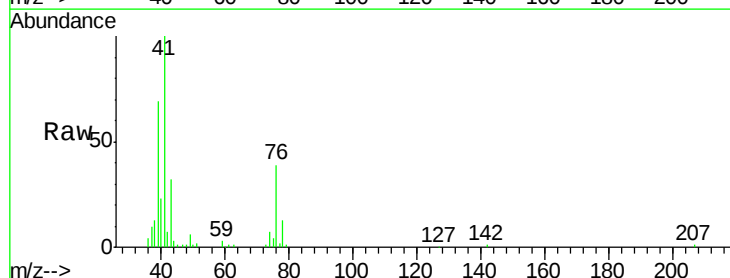
Tgt Ion: 41 Resp: 137852

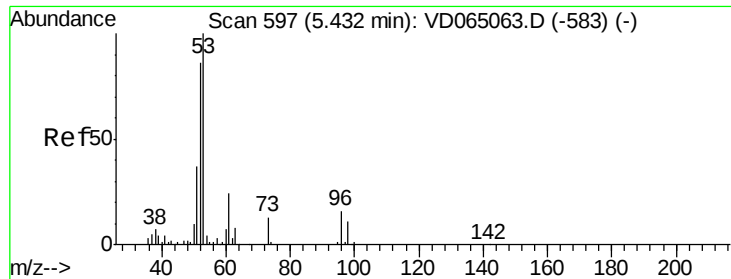
Ion Ratio Lower Upper

41 100

39 70.1 57.1 85.7

76 36.2 28.0 42.0





#15

Acrylonitrile

Concen: 110.121 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

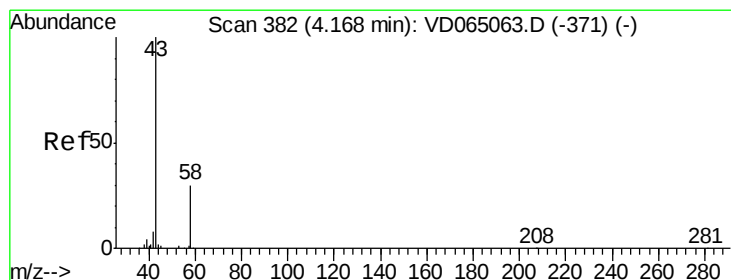
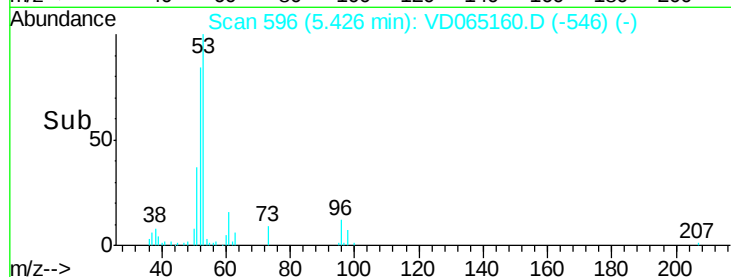
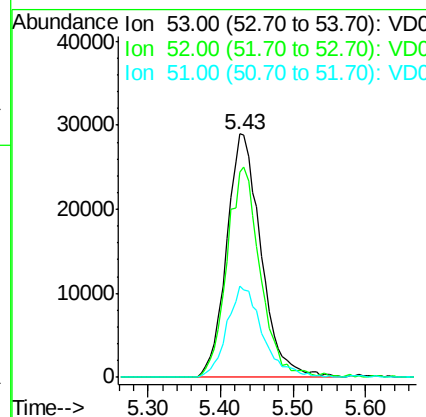
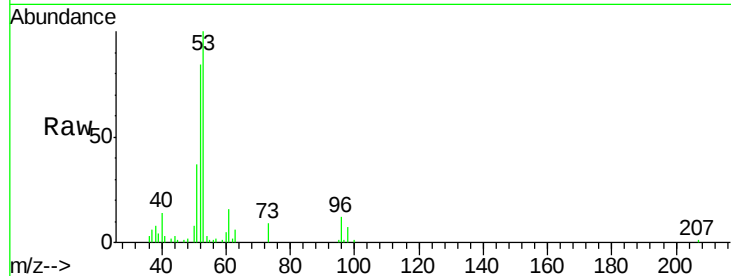
ClientSampleId :

VD0212SBS01

Tot Ion:	53	Resp:	95422
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	38.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 100.014 ug/l

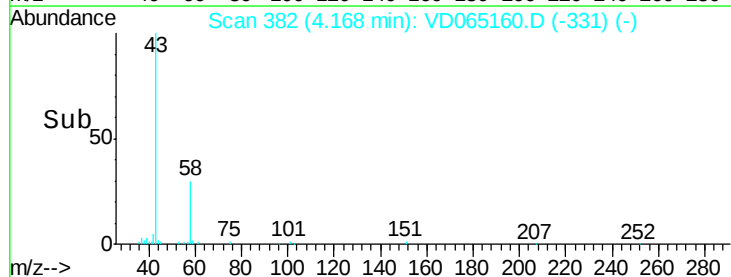
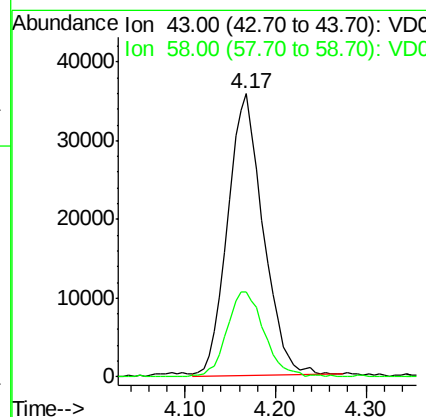
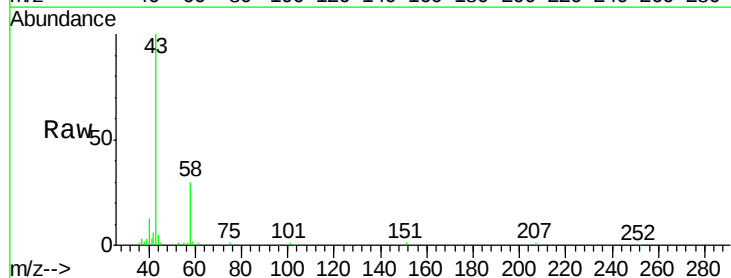
RT: 4.17 min Scan# 382

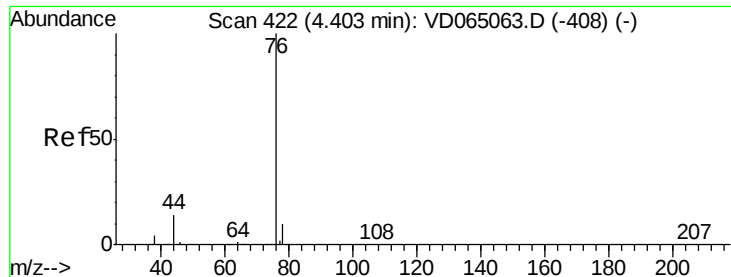
Delta R.T. -0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	43	Resp:	97322
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.5	35.3





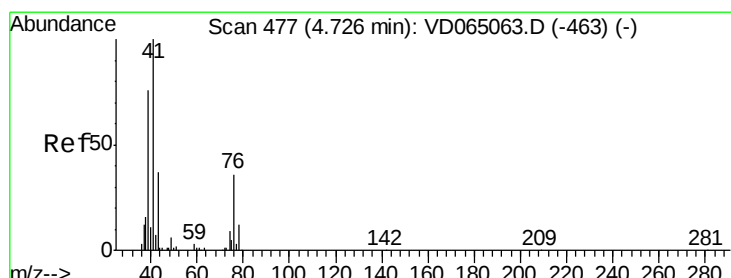
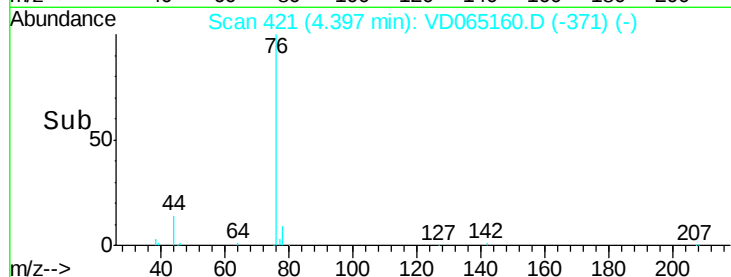
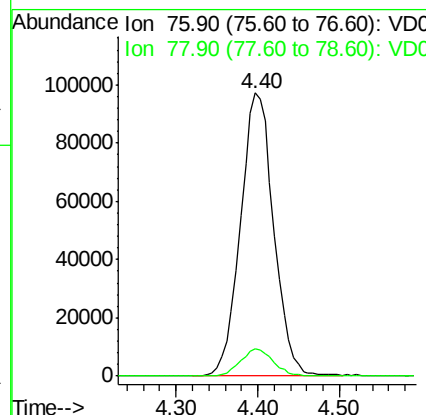
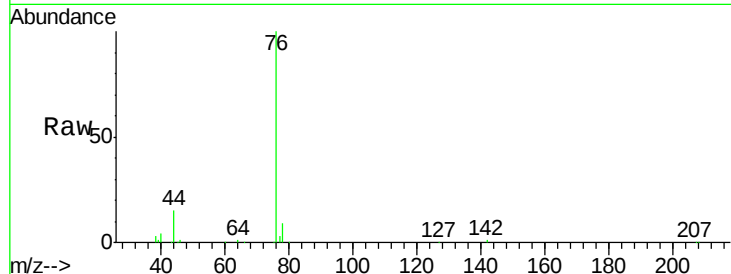
#17
Carbon Disulfide
Concen: 21.164 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

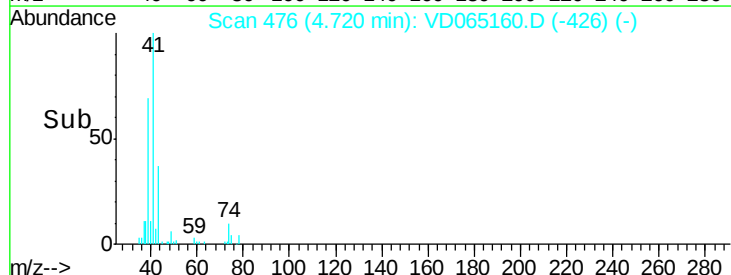
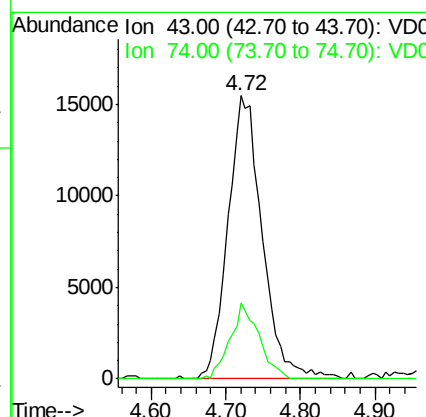
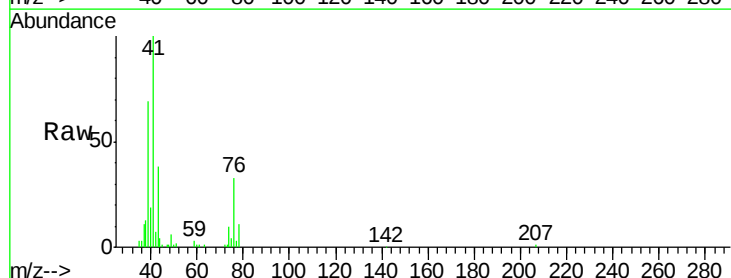
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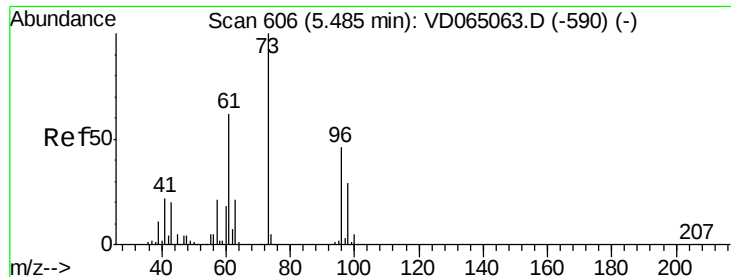
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#18
Methyl Acetate
Concen: 24.276 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.7	28.1





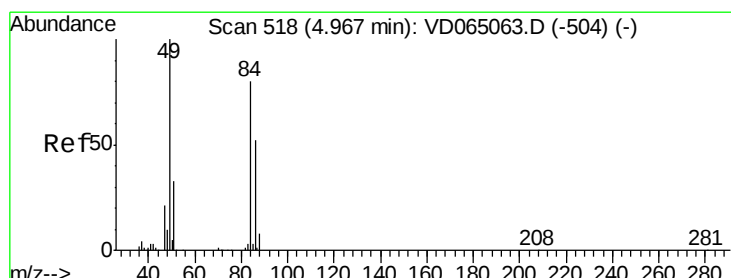
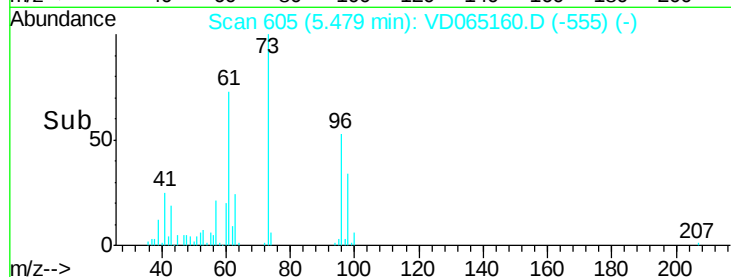
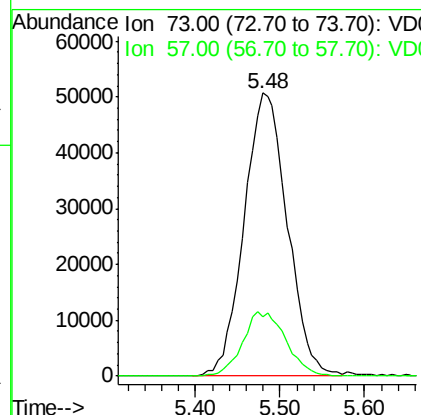
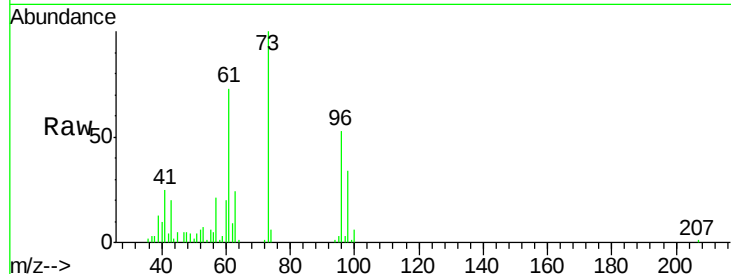
#19
Methyl tert-butyl Ether
Concen: 20.124 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion: 73 Resp: 179889
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

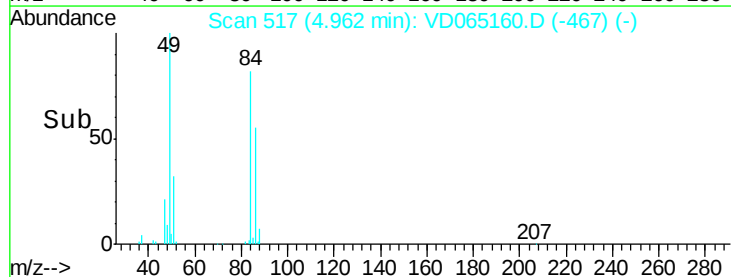
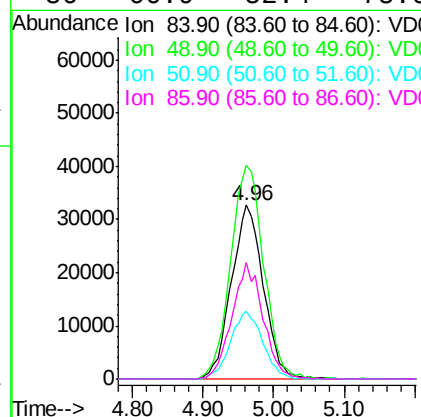
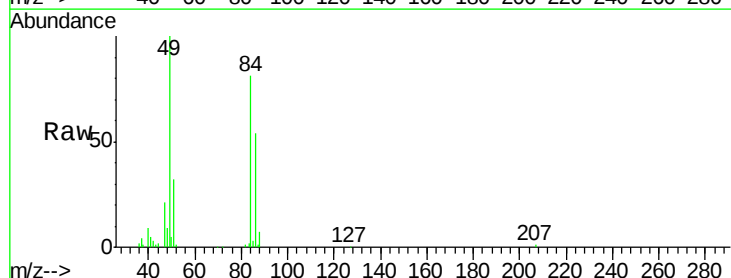
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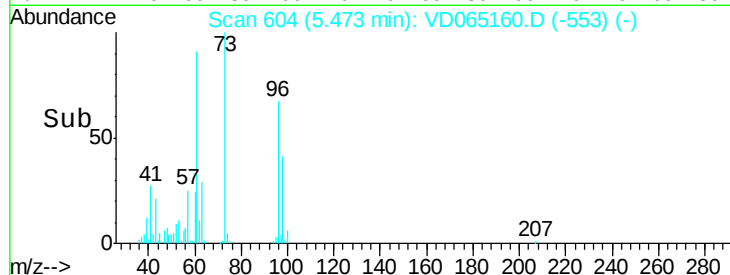
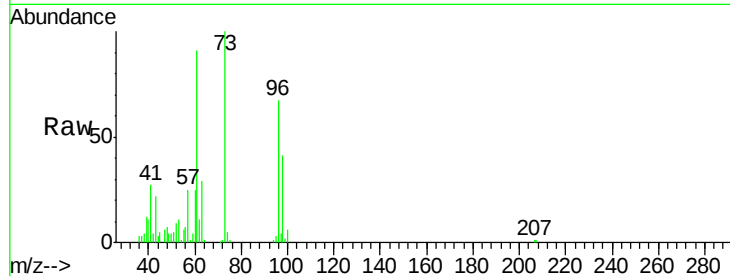
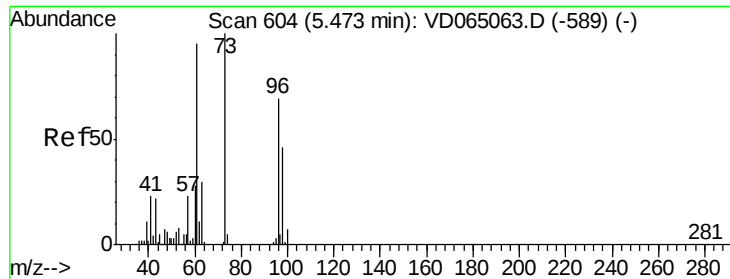
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#20
Methylene Chloride
Concen: 21.802 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 84 Resp: 102934
Ion Ratio Lower Upper
84 100
49 122.8 100.4 150.6
51 38.8 32.7 49.1
86 66.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.920 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tot Ion:	96	Resp:	95674
Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.5	164.3
98	60.7	53.7	80.5

Instrument :

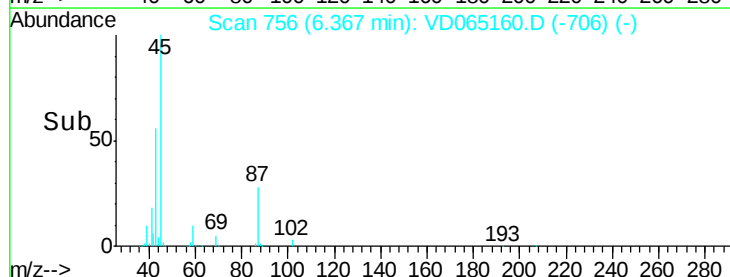
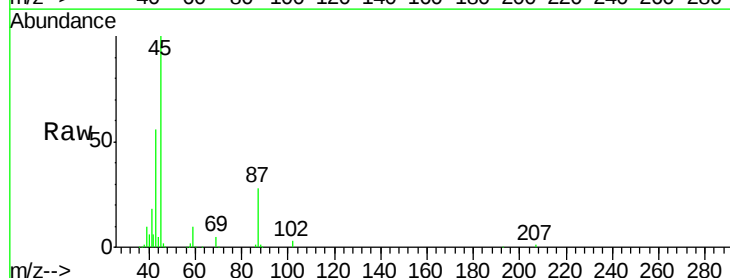
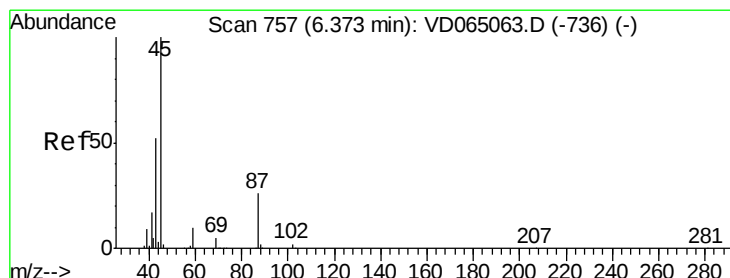
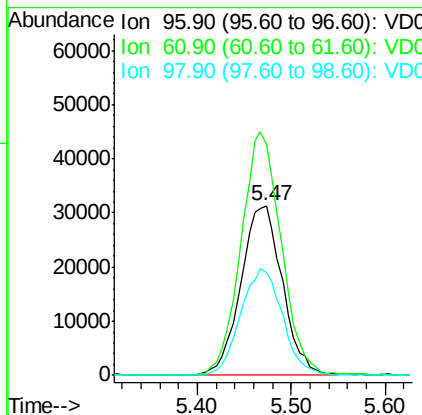
MSVOA_D

ClientSampleId :

VD0212SBS01

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#22

Diisopropyl ether

Concen: 21.489 ug/l

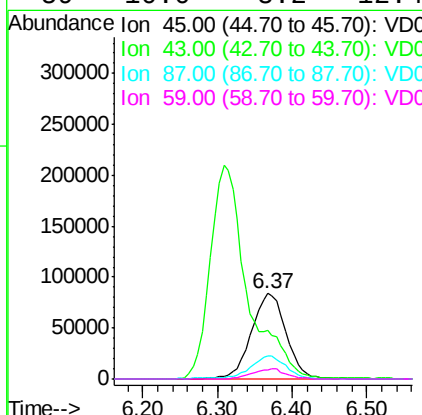
RT: 6.37 min Scan# 756

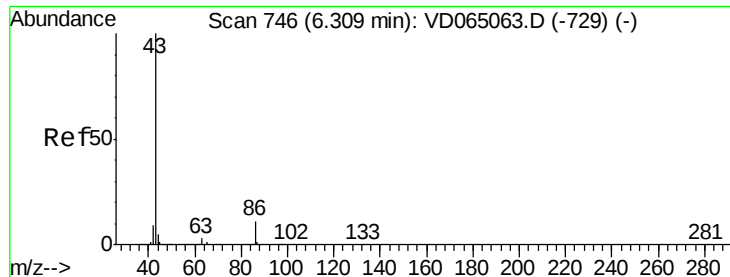
Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	45	Resp:	272316
Ion	Ratio	Lower	Upper
45	100		
43	54.6	41.3	61.9
87	27.2	21.0	31.6
59	10.0	8.2	12.4





#23

Vinyl Acetate

Concen: 103.064 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 43 Resp: 727961

Ion Ratio Lower Upper

43 100

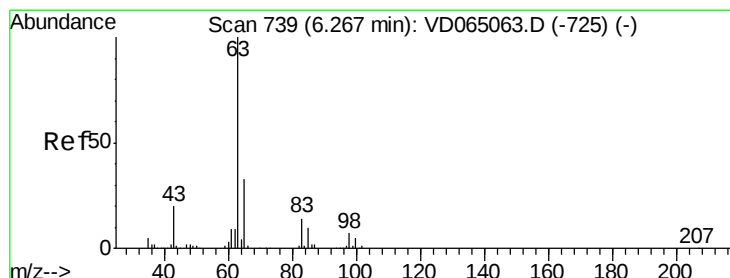
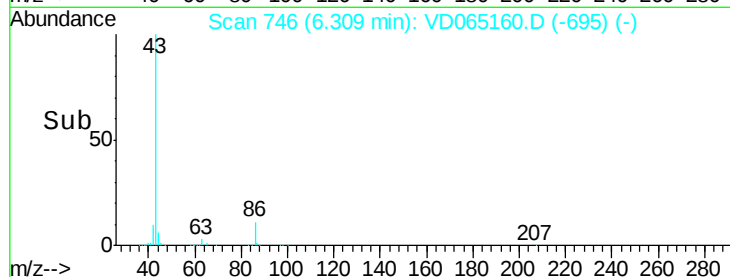
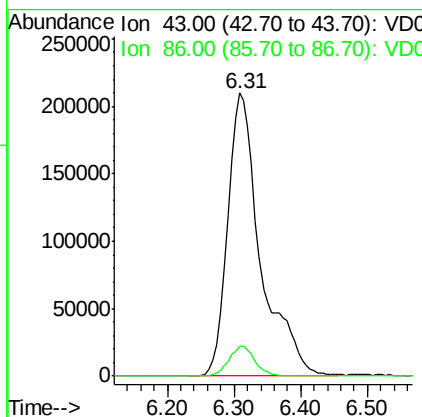
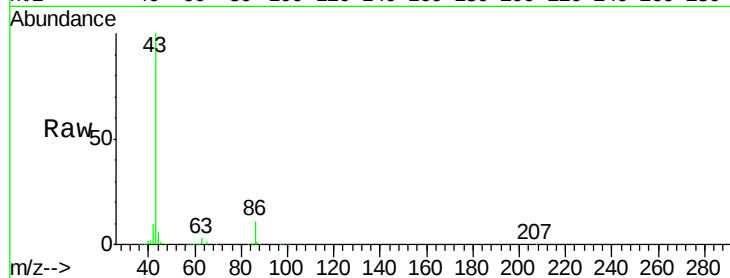
86 10.7 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.022 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

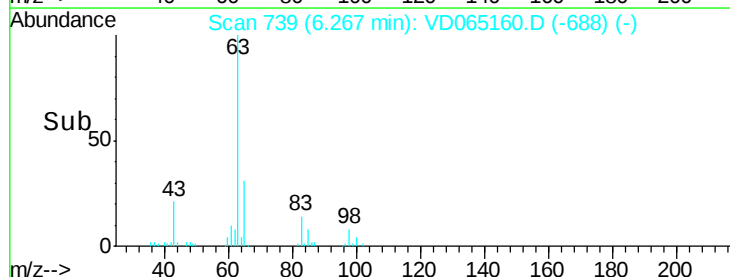
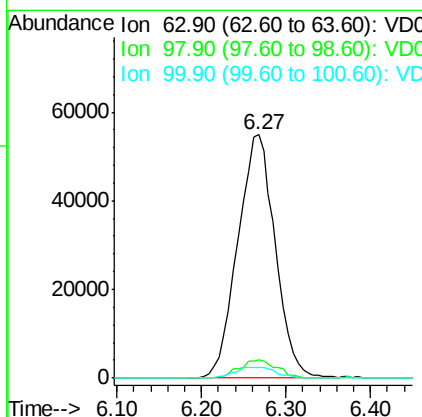
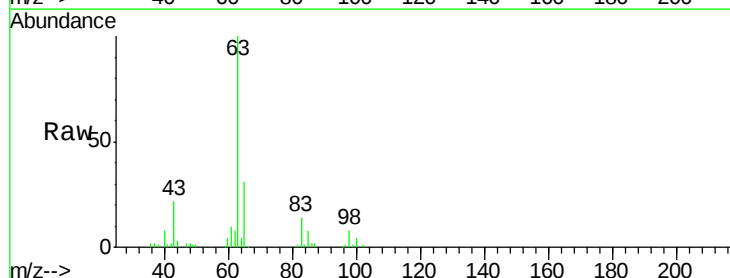
Tgt Ion: 63 Resp: 168910

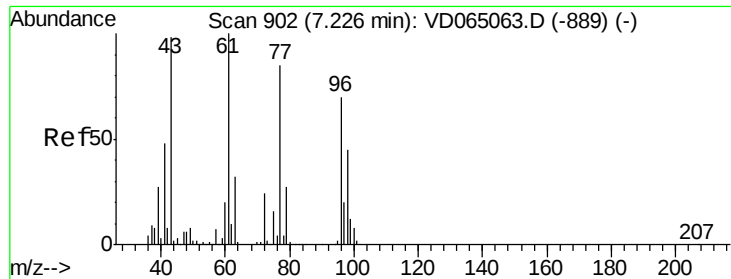
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.2 2.5 7.6





#25

2-Butanone

Concen: 106.695 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 43 Resp: 123845

Ion Ratio Lower Upper

43 100

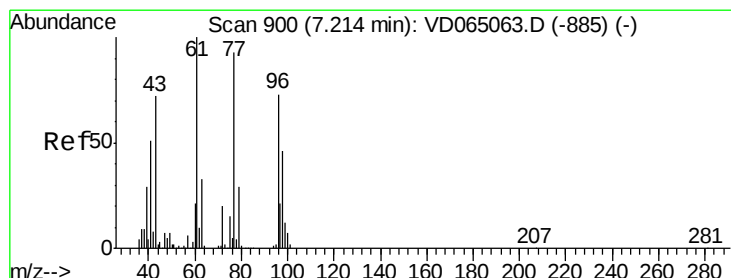
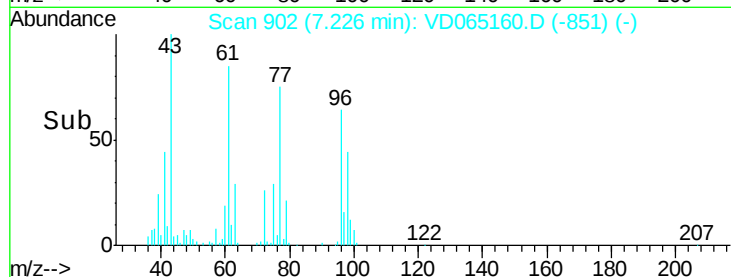
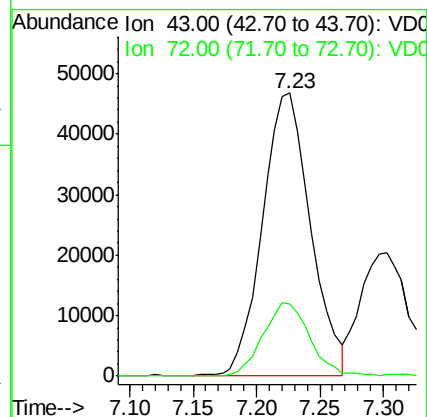
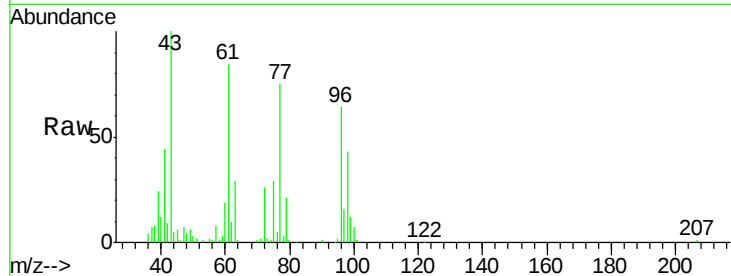
72 25.6 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.172 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065160.D

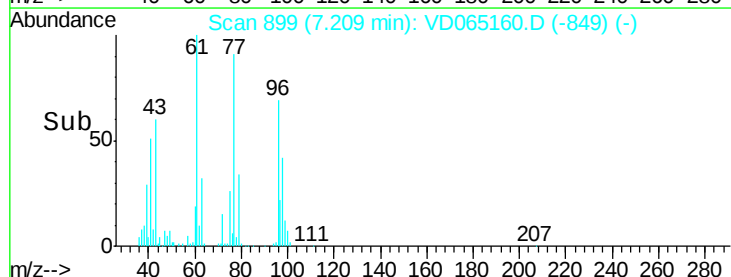
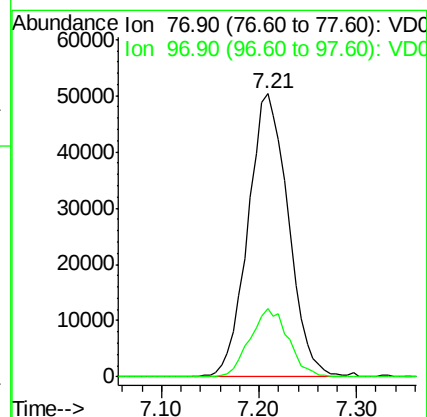
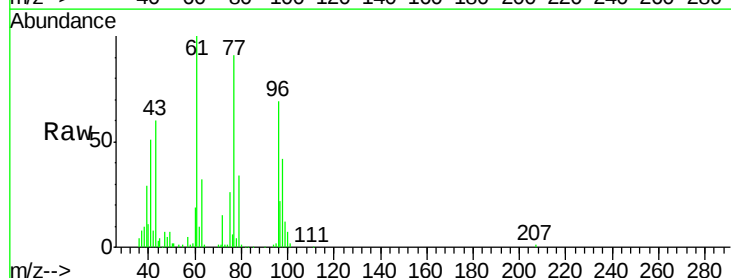
Acq: 12 Feb 2020 11:58

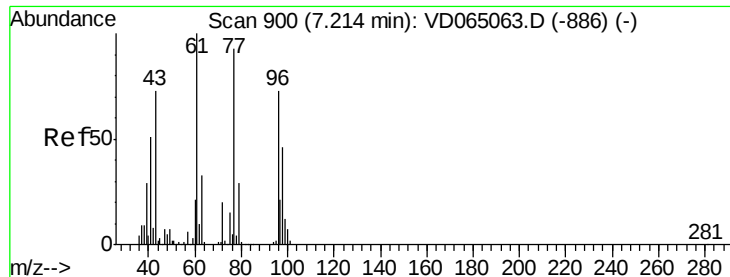
Tgt Ion: 77 Resp: 145557

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.6





#27

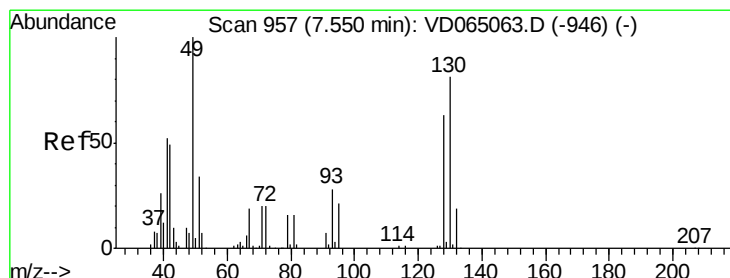
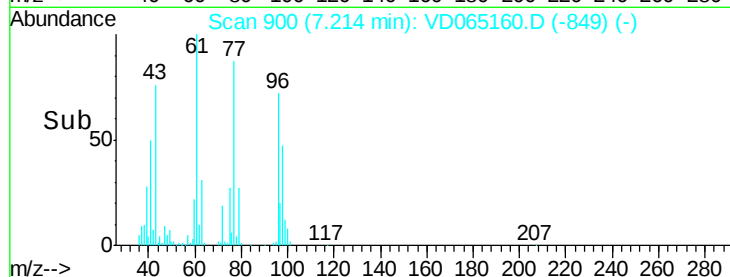
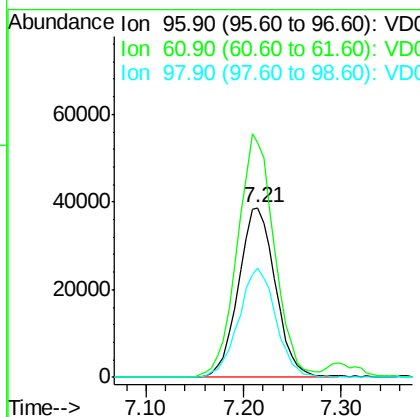
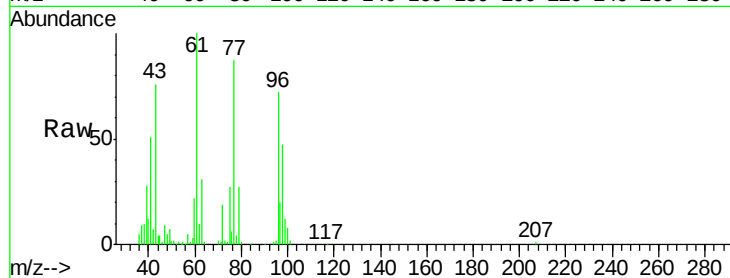
cis-1,2-Dichloroethene
Concen: 21.130 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	292.8	
98	65.0	0.0	128.8	

Manual Integrations
APPROVED

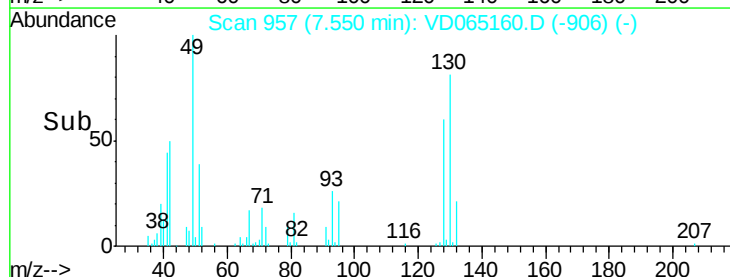
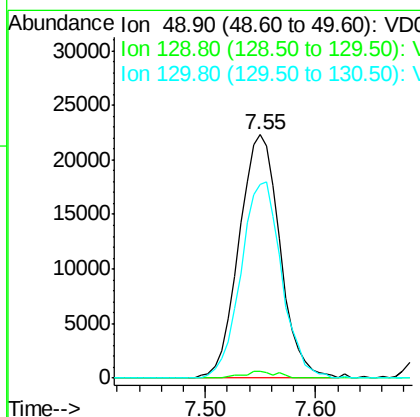
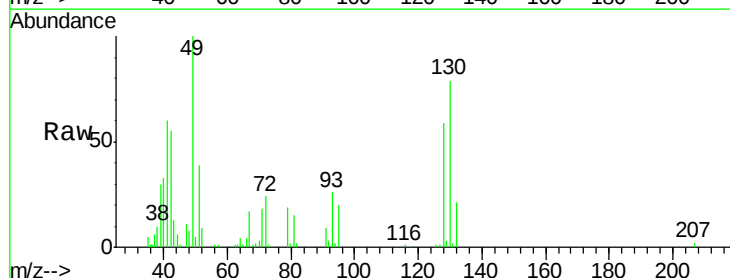
MMDadoda
2/13/2020 10:58:59 AM

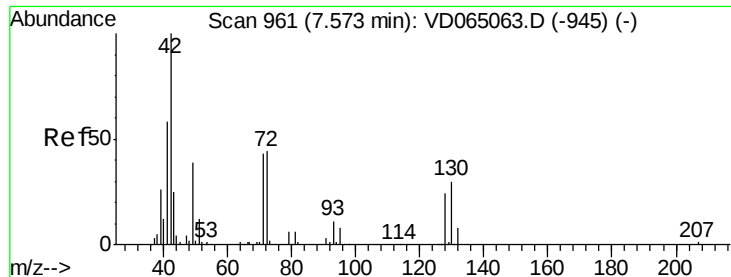


#28

Bromochloromethane
Concen: 19.951 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.4	
130	80.1	63.8	95.8	





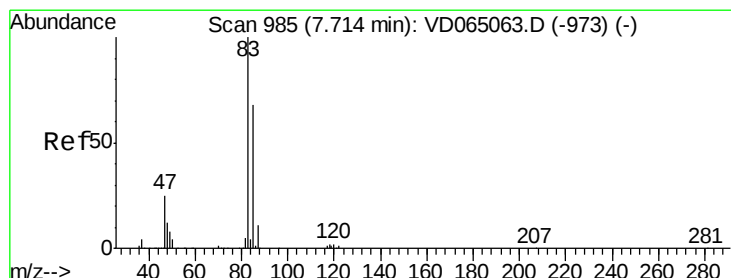
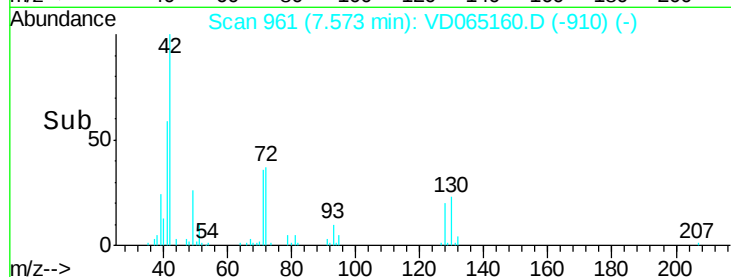
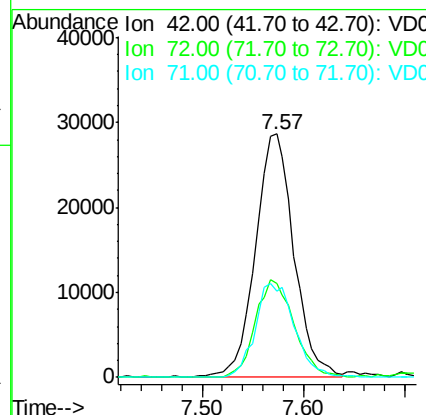
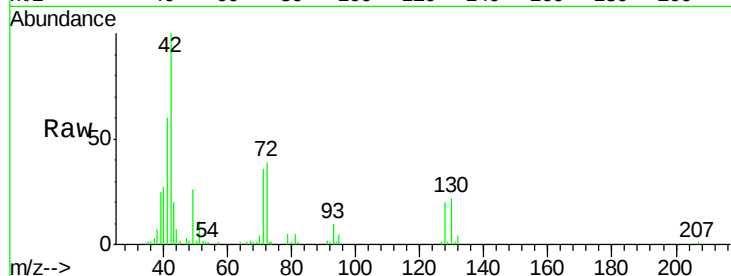
#29
Tetrahydrofuran
Concen: 108.184 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.2	51.4
71	39.5	31.8	47.6

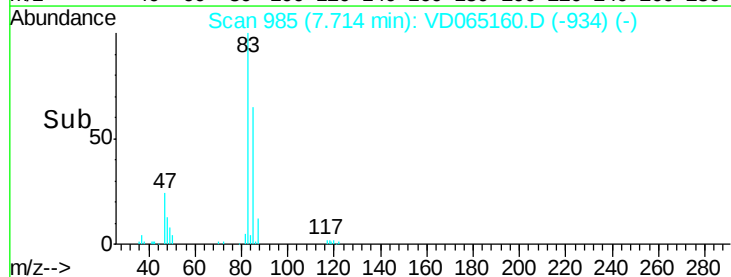
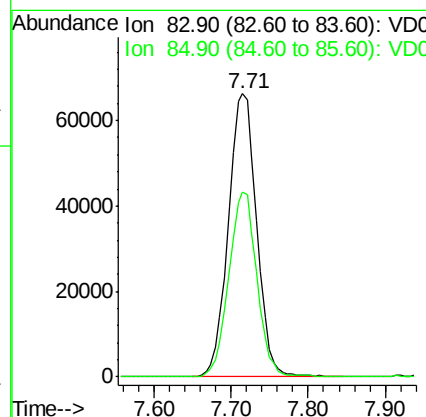
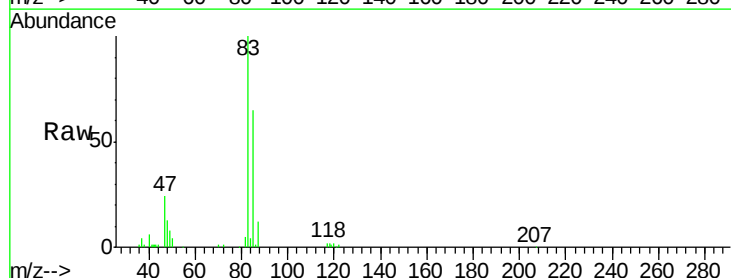
Manual Integrations
APPROVED

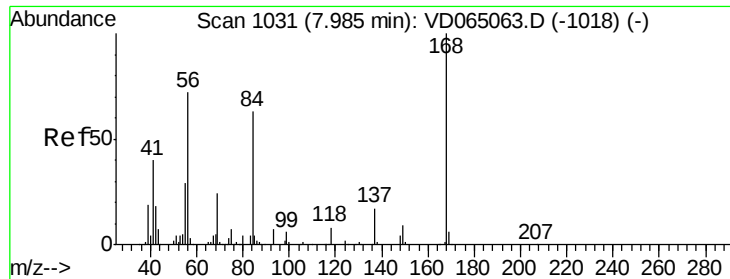
MMDadoda
2/13/2020 10:58:59 AM



#30
Chloroform
Concen: 22.236 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	54.2	81.4





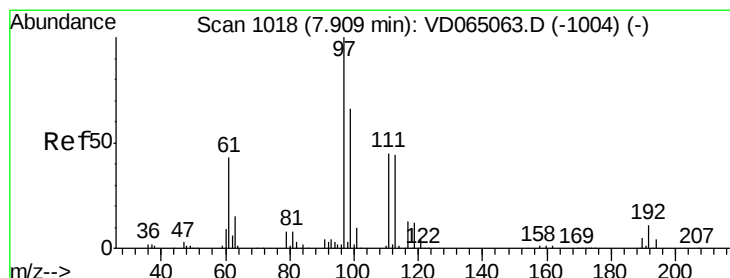
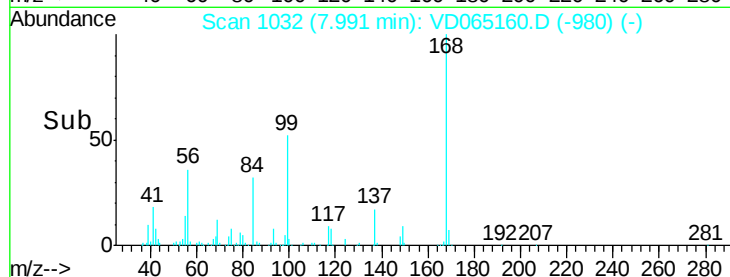
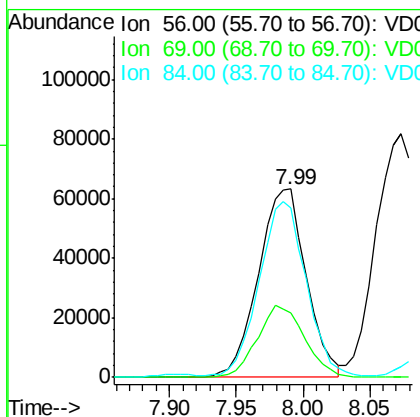
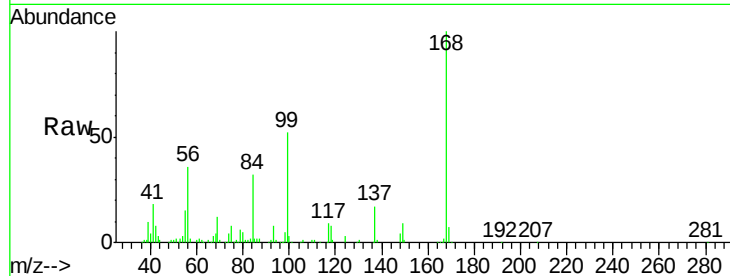
#31
Cyclohexane
Concen: 20.362 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.5	26.6	40.0	
84	88.5	70.6	106.0	

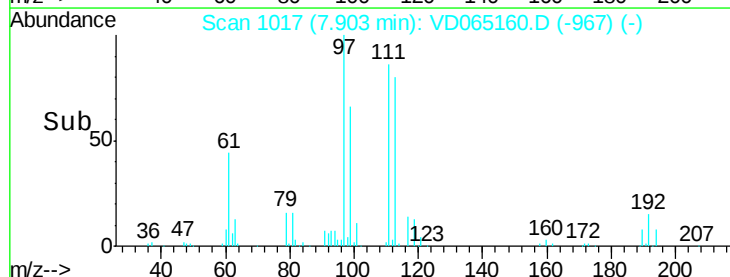
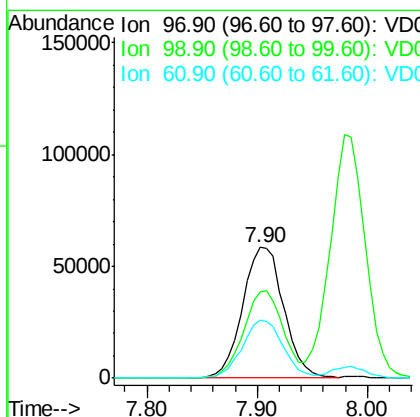
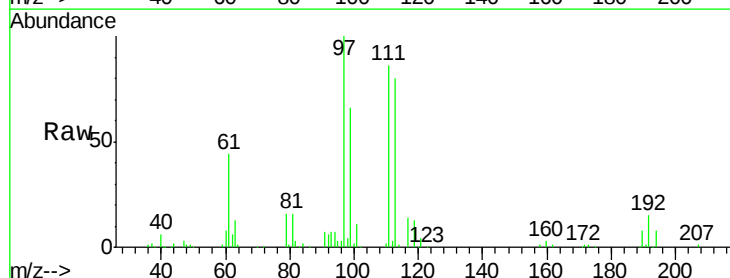
Manual Integrations
APPROVED

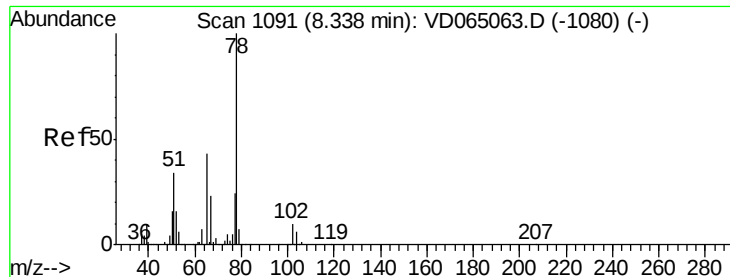
MMDadoda
2/13/2020 10:58:59 AM



#32
1,1,1-Trichloroethane
Concen: 21.516 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.6	51.5	77.3	
61	44.0	34.8	52.2	





#33

1,2-Dichloroethane-d4

Concen: 51.994 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 65 Resp: 202365

Ion Ratio Lower Upper

65 100

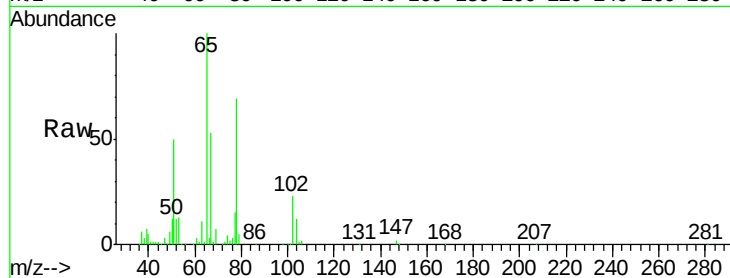
67 53.0 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

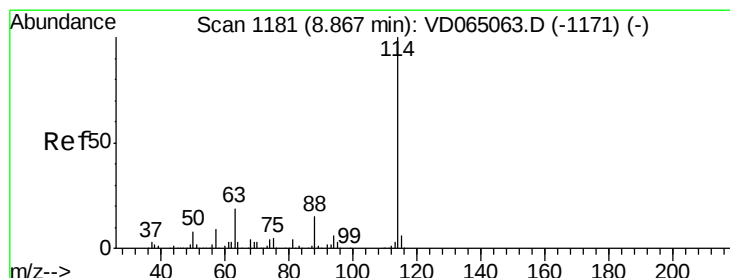
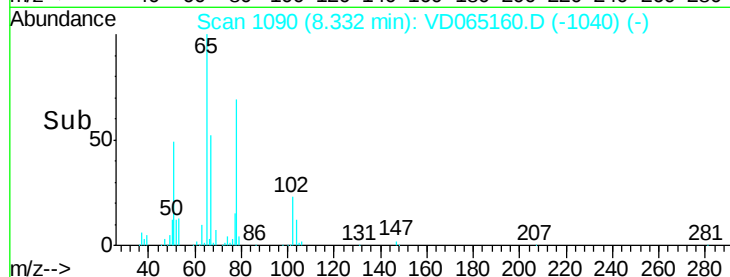
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

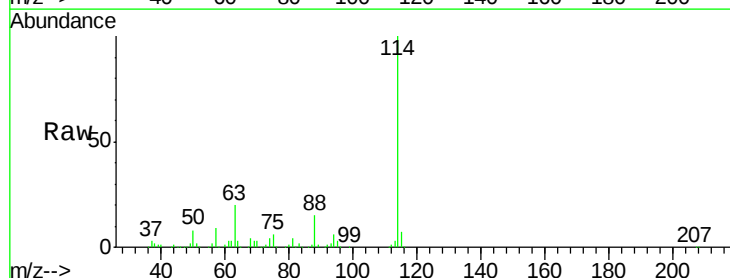
Tgt Ion: 114 Resp: 690973

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 15.2 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

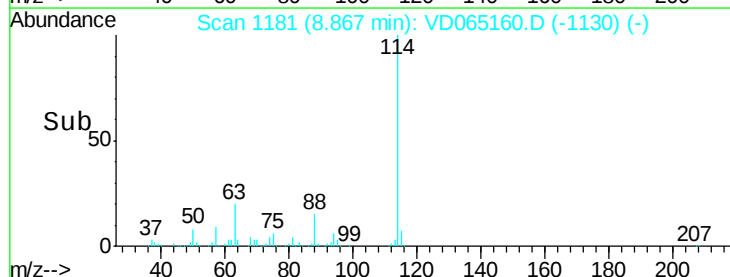
200000

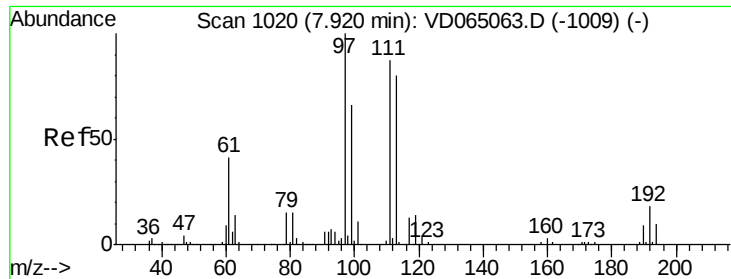
100000

0

8.80 8.90 9.00

Time-->





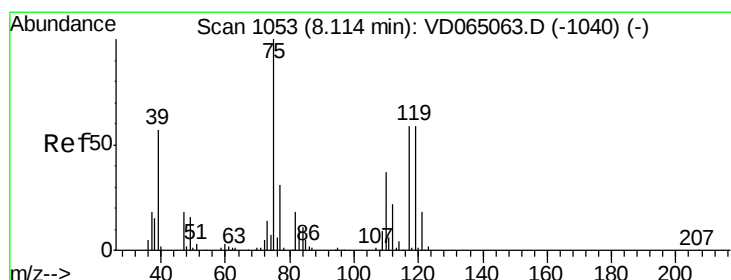
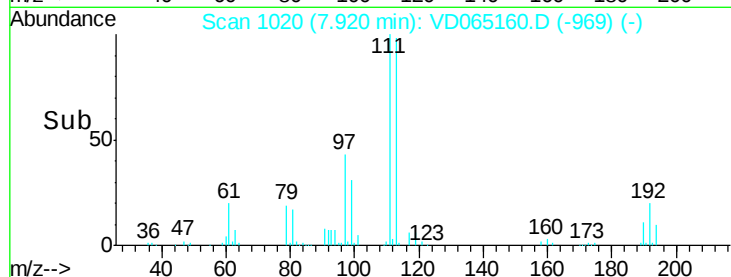
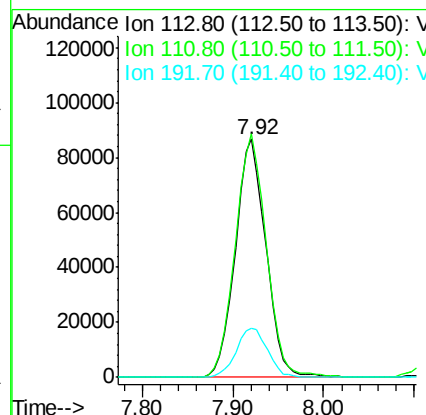
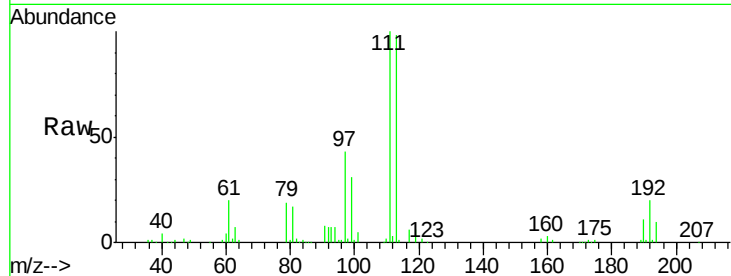
#35
Dibromofluoromethane
Concen: 52.659 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203012		
111	104.1	83.1	124.7	
192	21.2	18.1	27.1	

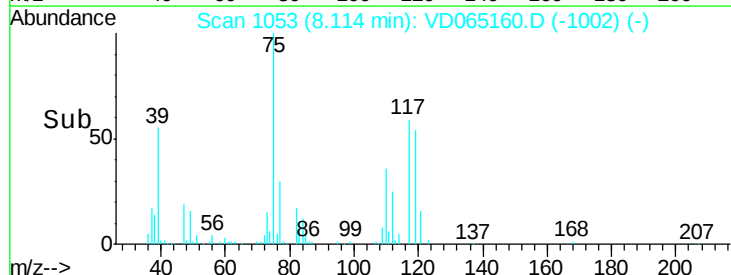
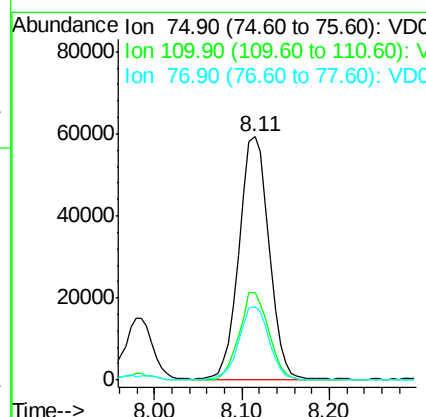
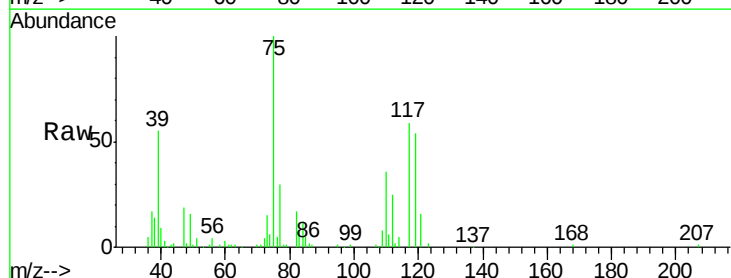
Manual Integrations
APPROVED

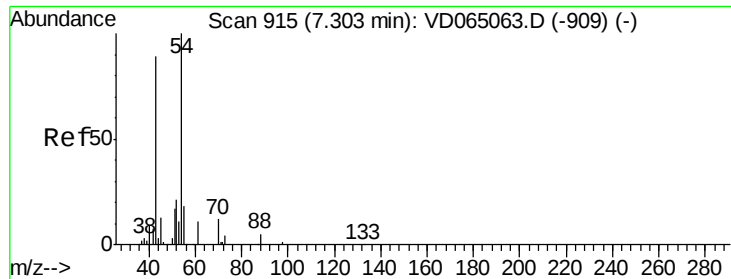
MMDadoda
2/13/2020 10:58:59 AM



#36
1,1-Dichloropropene
Concen: 21.303 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136871		
110	35.6	18.1	54.3	
77	30.5	24.7	37.1	





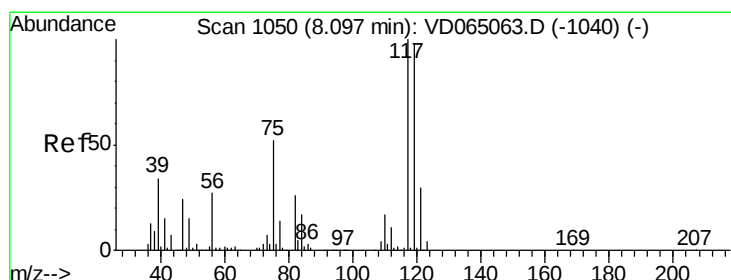
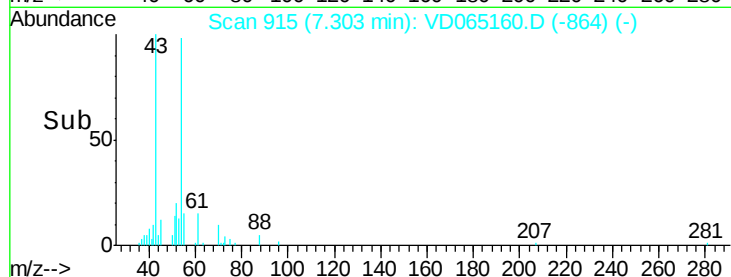
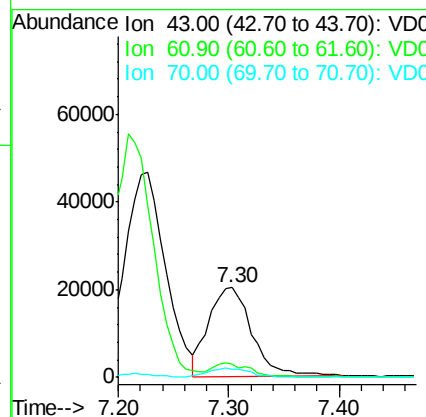
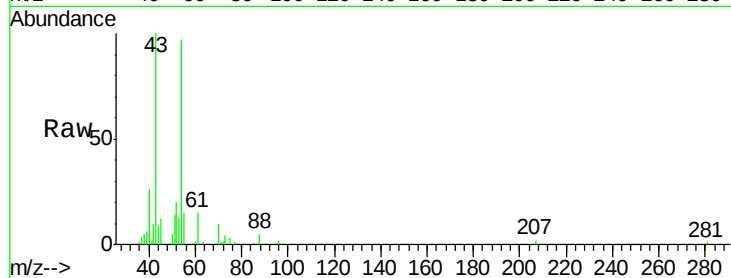
#37
Ethyl Acetate
Concen: 21.025 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	10.0	8.2	12.2

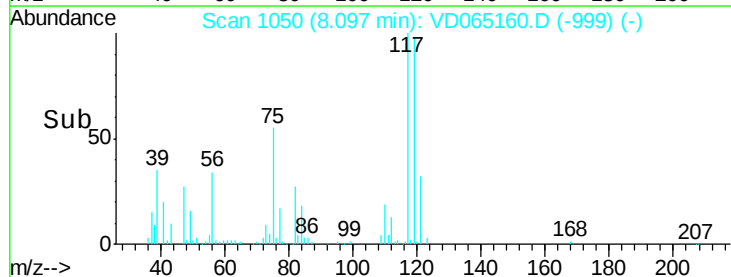
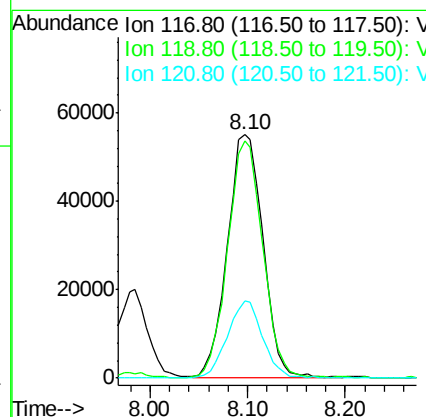
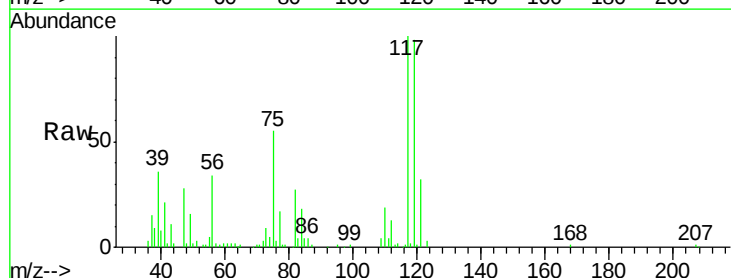
Manual Integrations
APPROVED

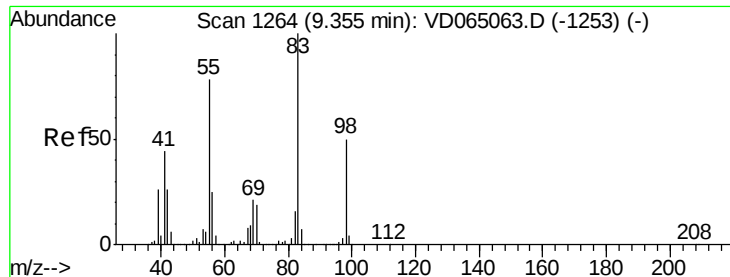
MMDadoda
2/13/2020 10:58:59 AM



#38
Carbon Tetrachloride
Concen: 21.344 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.5	117.7
121	31.8	23.8	35.6





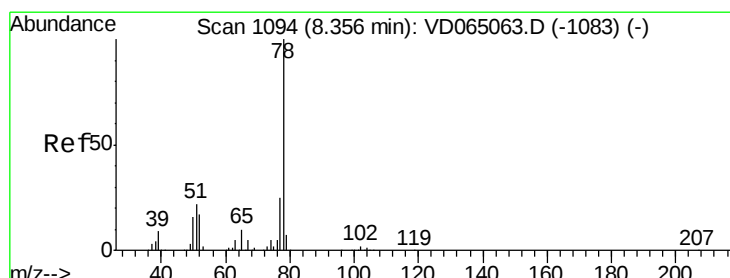
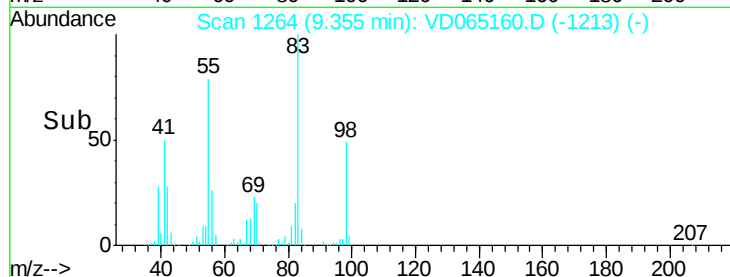
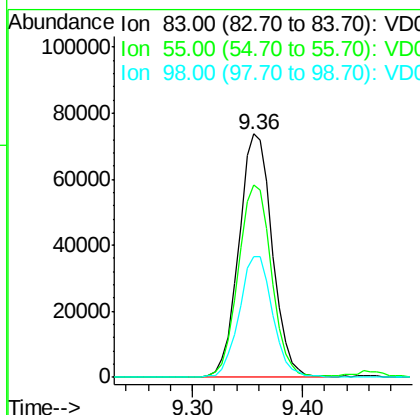
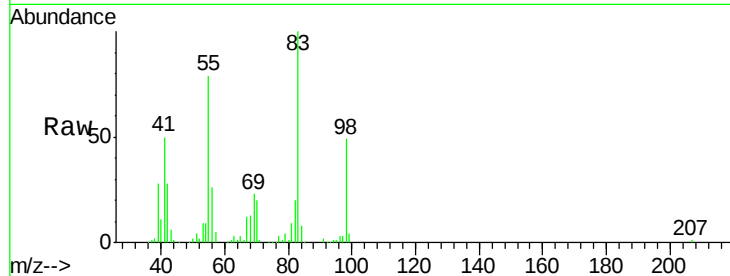
#39
Methvlcvclohexane
Concen: 19.821 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157191		
55	78.8	62.0	93.0	
98	49.3	39.9	59.9	

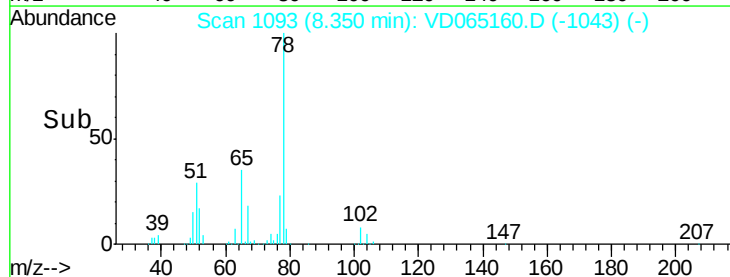
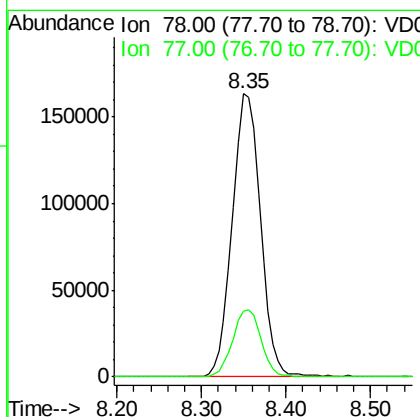
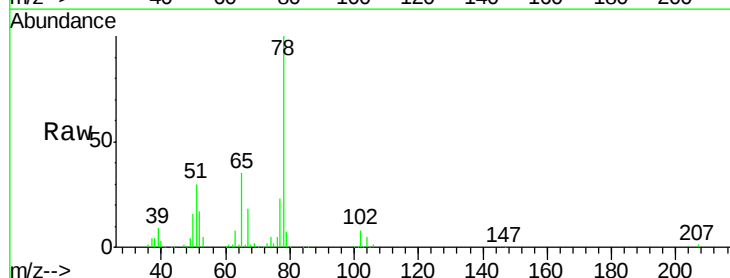
Manual Integrations
APPROVED

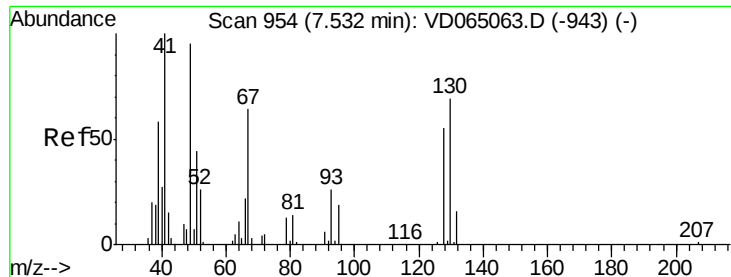
MMDadoda
2/13/2020 10:58:59 AM



#40
Benzene
Concen: 21.284 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	377632		
77	23.4	19.6	29.4	





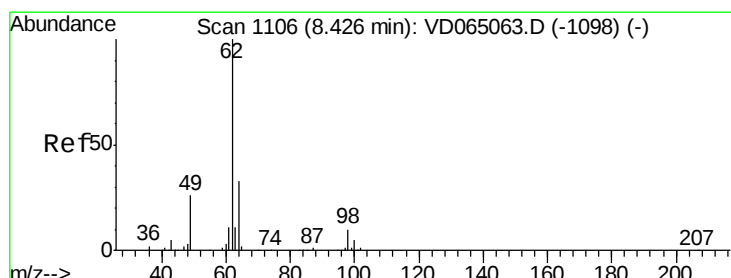
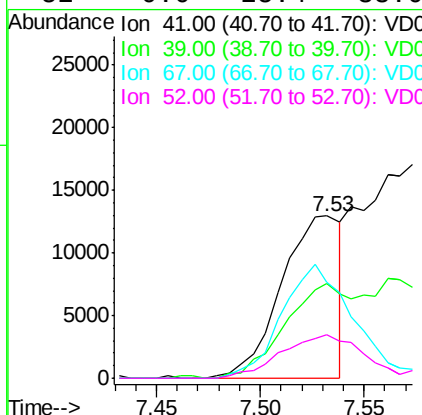
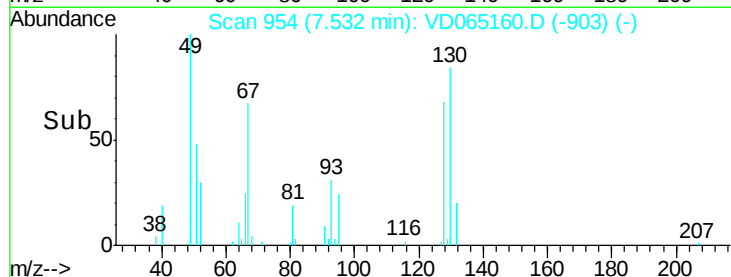
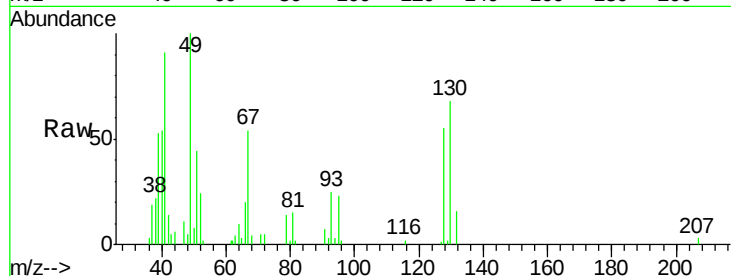
#41
Methacrylonitrile
Concen: 17.869 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#

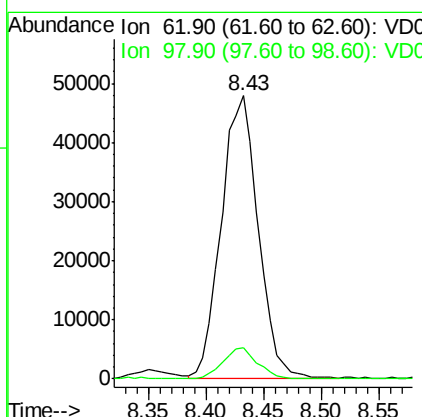
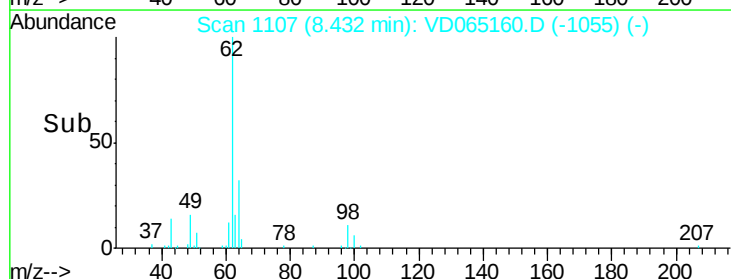
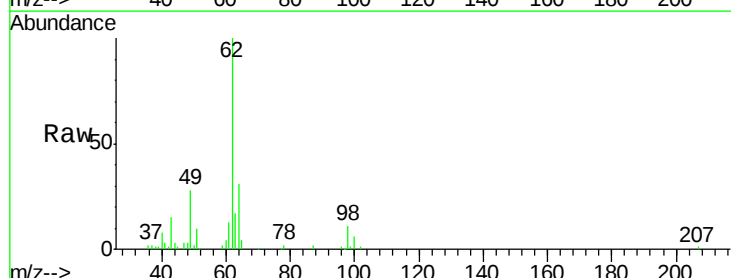
Manual Integrations
APPROVED

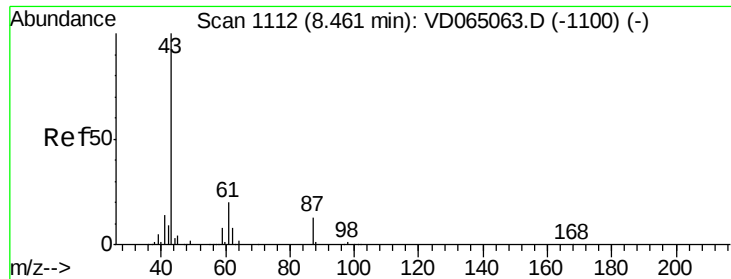
MMDadoda
2/13/2020 10:58:59 AM



#42
1,2-Dichloroethane
Concen: 21.072 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6





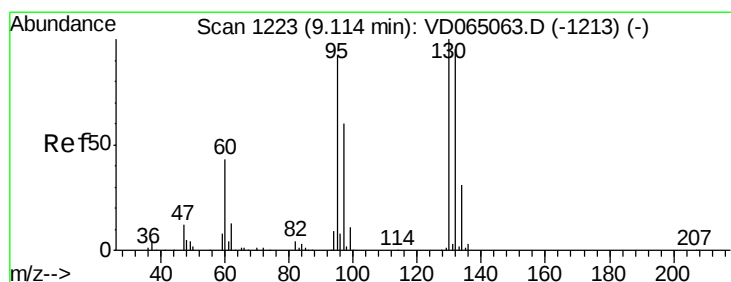
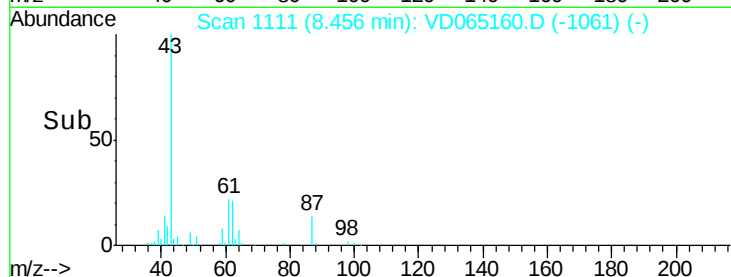
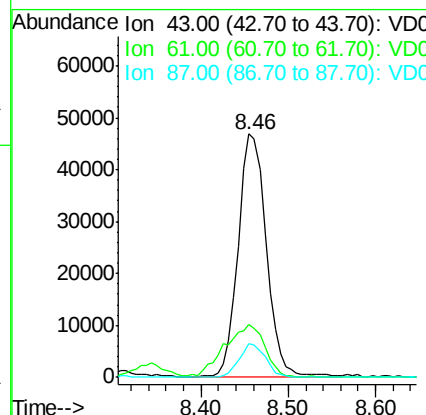
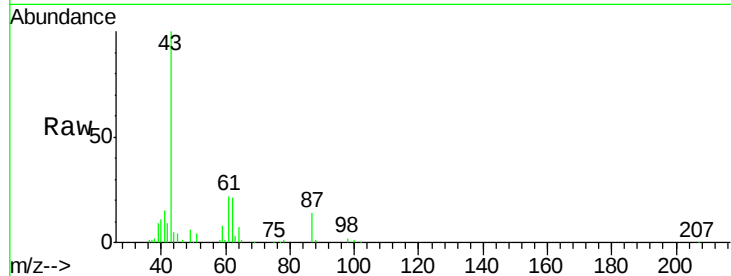
#43
Isopropyl Acetate
Concen: 20.486 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.0	36.0
87	12.8	10.2	15.4

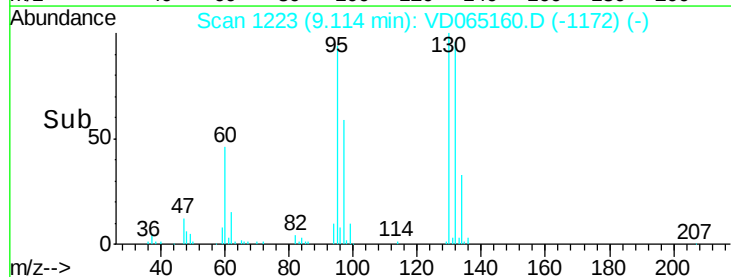
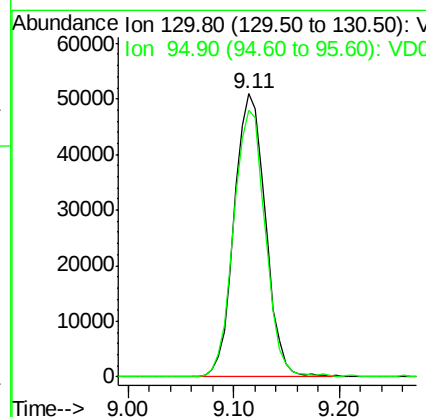
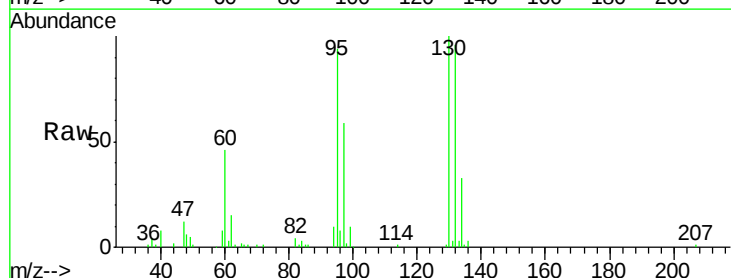
Manual Integrations
APPROVED

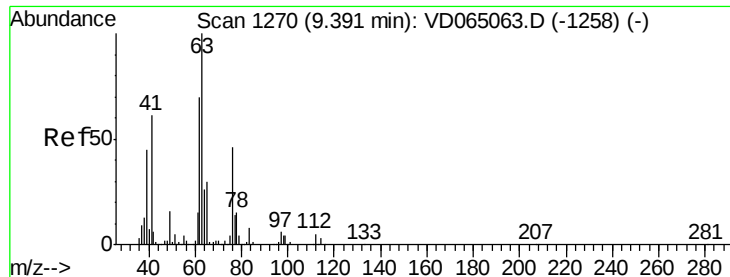
MMDadoda
2/13/2020 10:58:59 AM



#44
Trichloroethene
Concen: 20.419 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	185.0





#45

1,2-Dichloropropane

Concen: 22.127 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 63 Resp: 94127

Ion Ratio Lower Upper

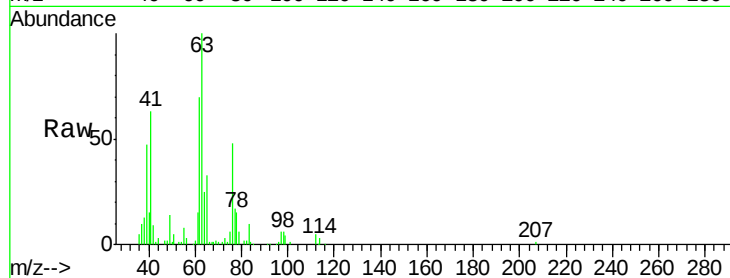
63 100

65 33.4 23.9 35.9

Manual Integrations
APPROVED

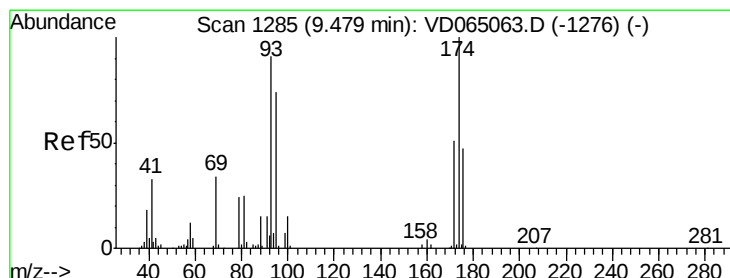
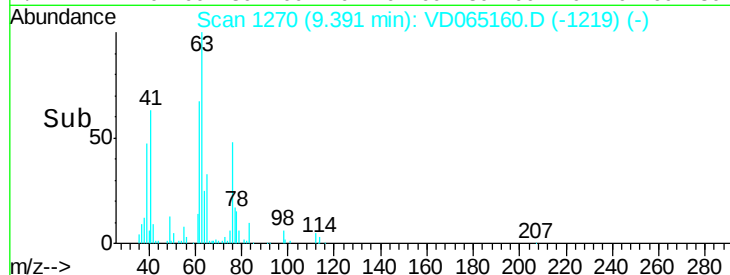
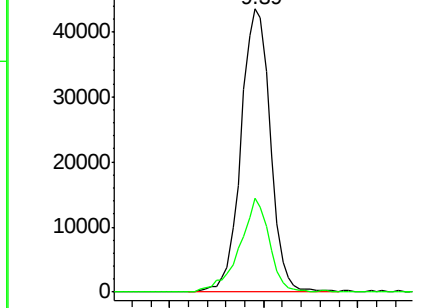
MMDadoda

2/13/2020 10:58:59 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.459 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

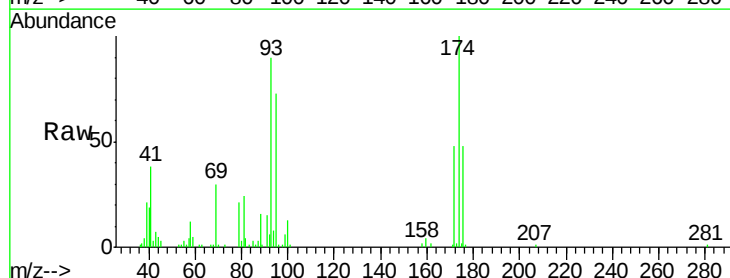
Tgt Ion: 93 Resp: 47969

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

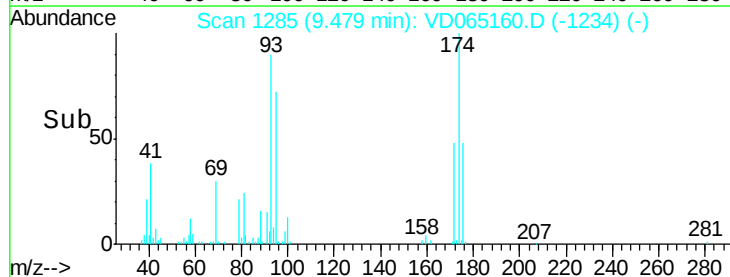
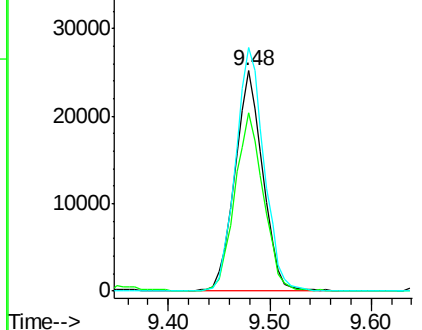
174 112.7 89.8 134.8

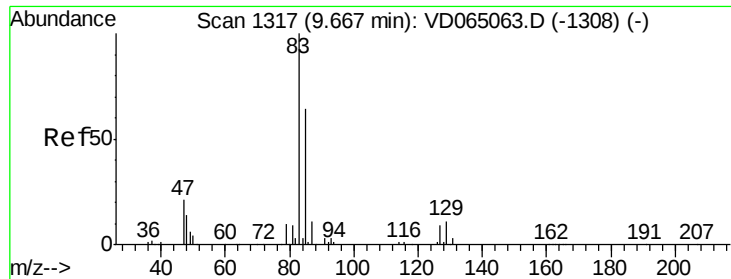


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.154 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

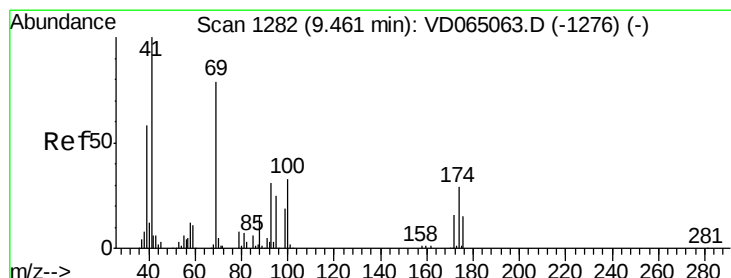
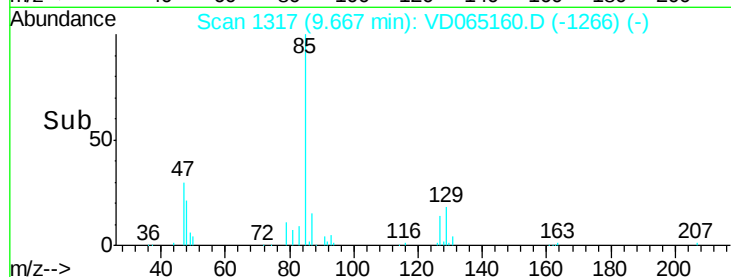
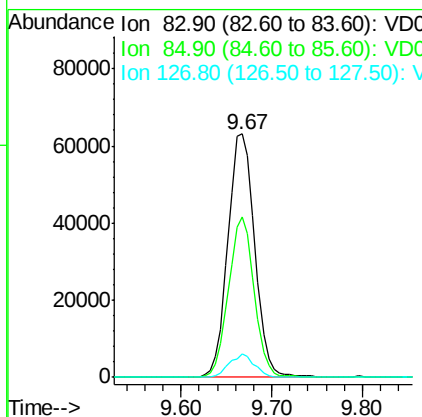
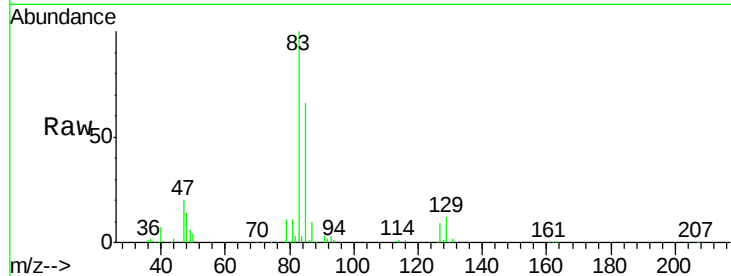
ClientSampleId :

VD0212SBS01

Tot Ion:	83	Resp:	130484
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.6
127	9.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:59 AM



#48

Methyl methacrylate

Concen: 20.019 ug/l

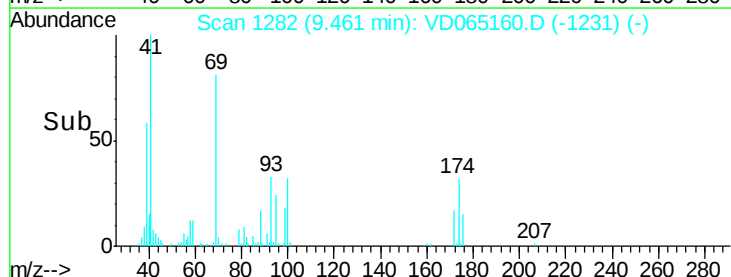
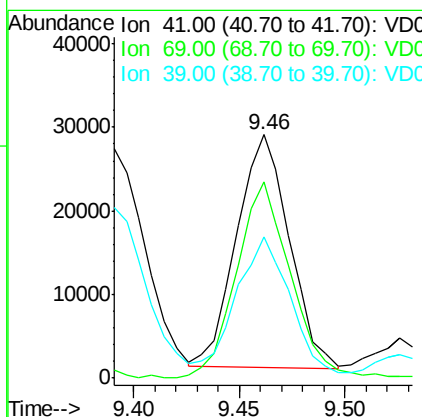
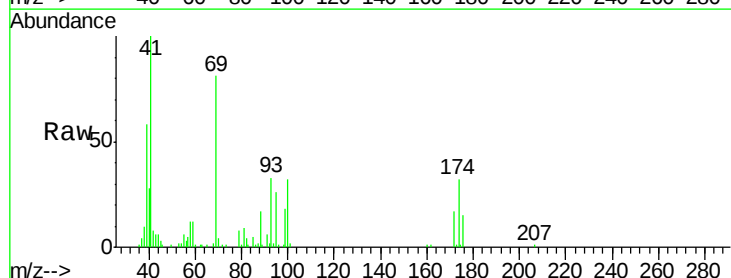
RT: 9.46 min Scan# 1282

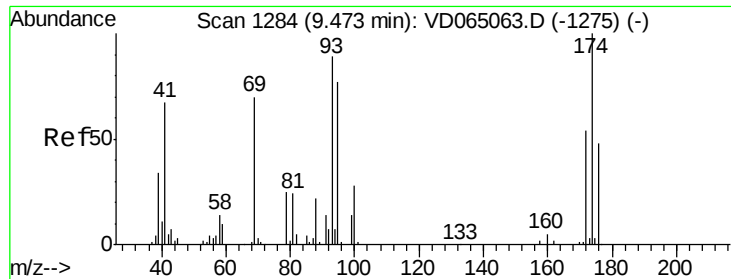
Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	41	Resp:	48369
Ion	Ratio	Lower	Upper
41	100		
69	87.2	67.5	101.3
39	58.4	47.0	70.4





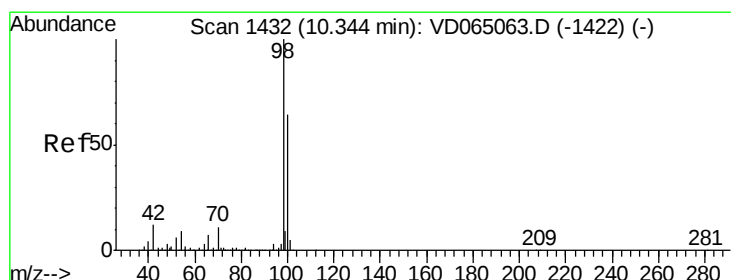
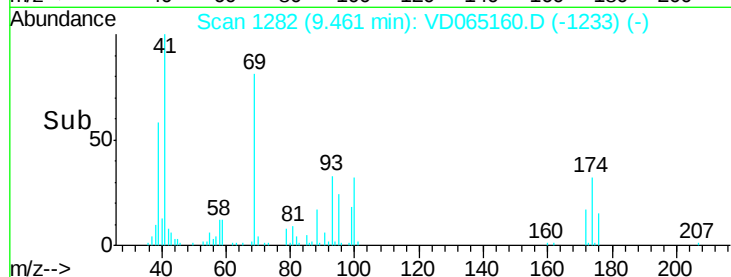
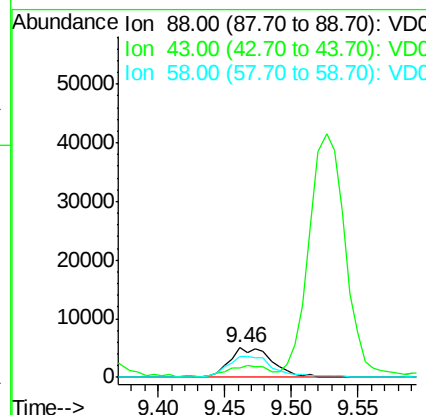
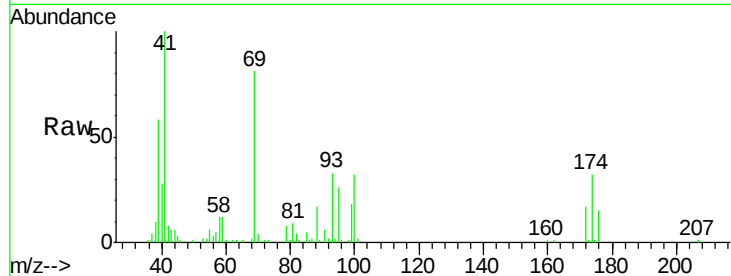
#49
1,4-Dioxane
Concen: 424.836 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	88	Resp	11248
Ion Ratio	Lower	Upper	
88	100		
43	40.2	27.7	41.5
58	79.1	55.5	83.3

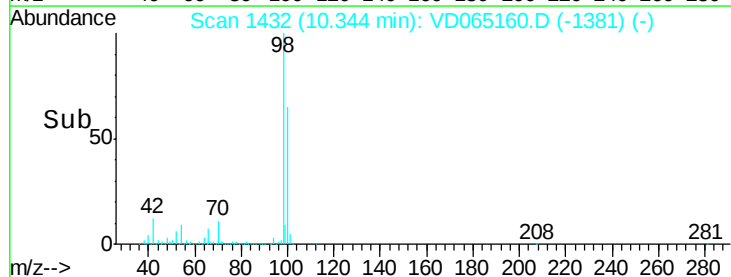
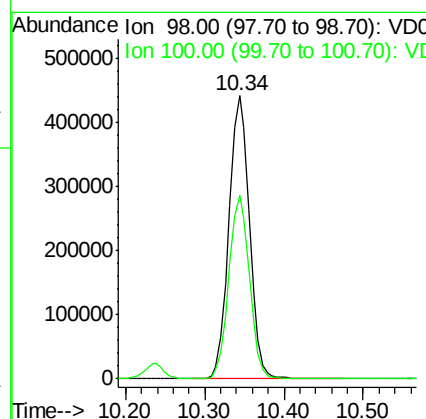
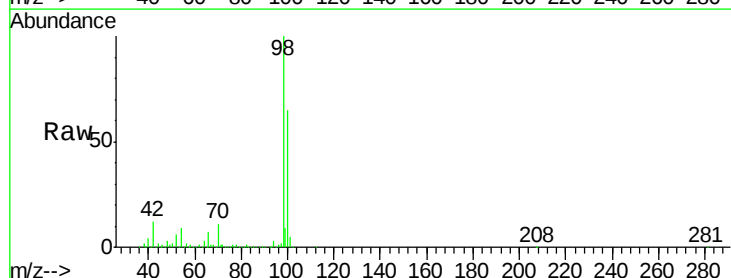
Manual Integrations
APPROVED

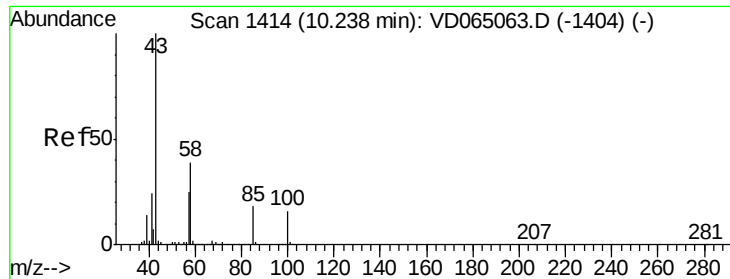
MMDadoda
2/13/2020 10:58:59 AM



#50
Toluene-d8
Concen: 51.636 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	98	Resp	792353
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 106.157 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 43 Resp: 262366

Ion Ratio Lower Upper

43 100

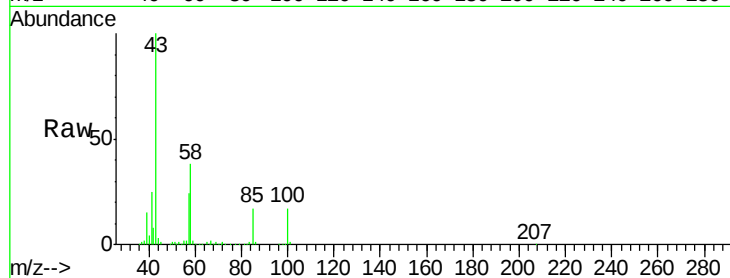
58 37.9 30.2 45.2

Manual Integrations

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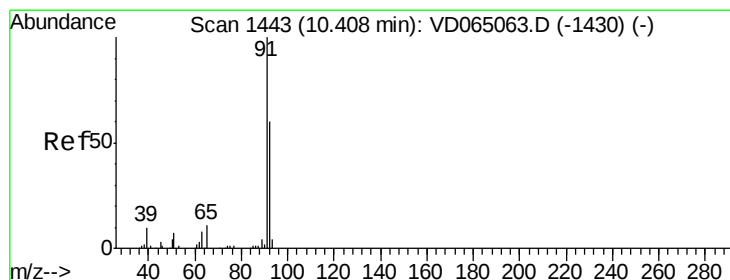
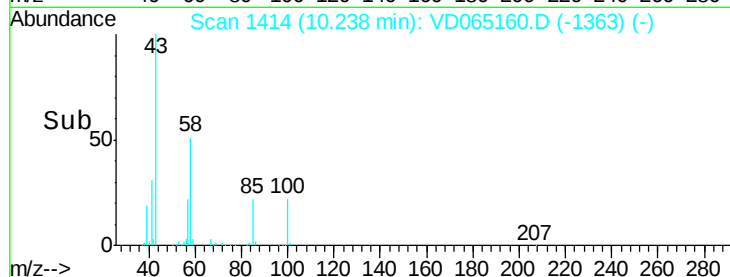
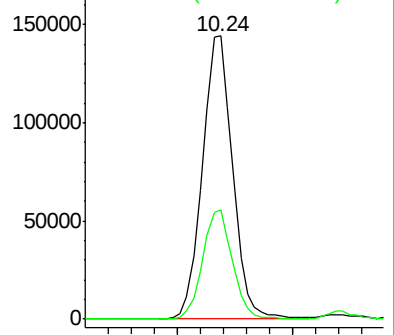
MMDadoda

2/13/2020 10:58:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.323 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065160.D

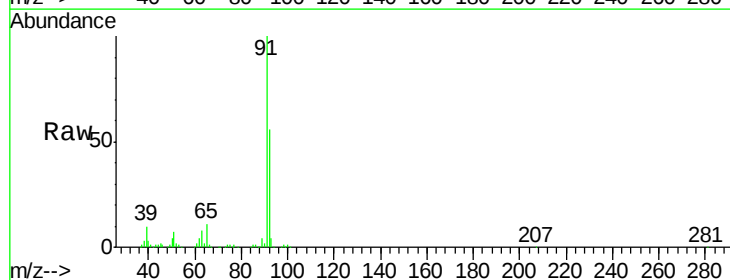
Acq: 12 Feb 2020 11:58

Tgt Ion: 92 Resp: 241461

Ion Ratio Lower Upper

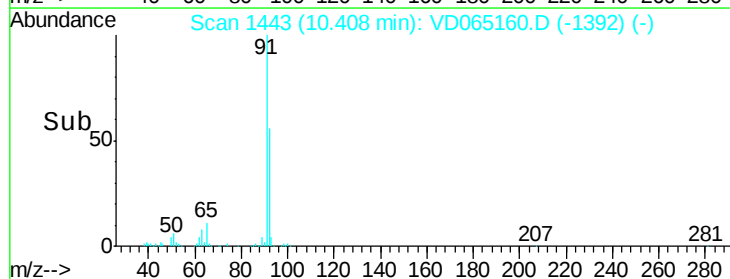
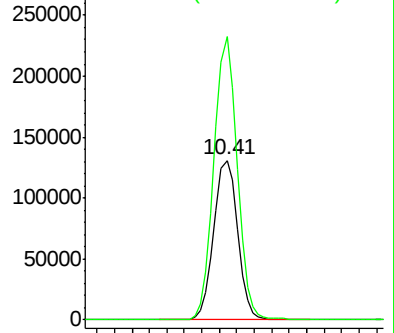
92 100

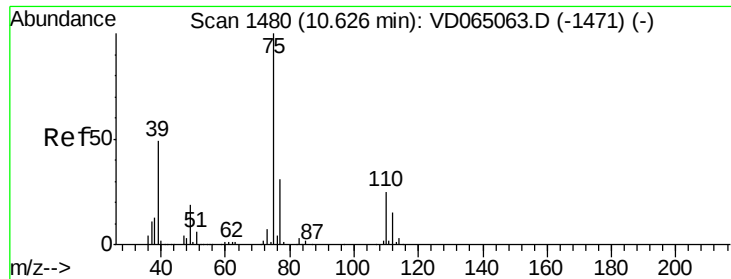
91 173.0 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





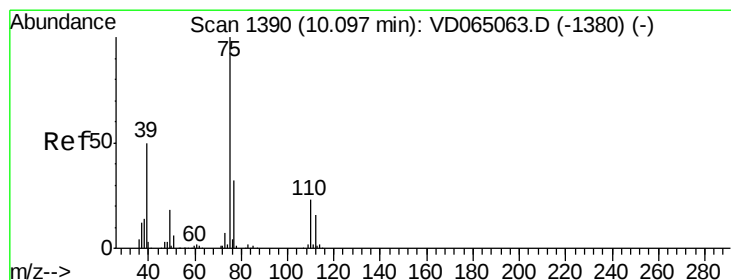
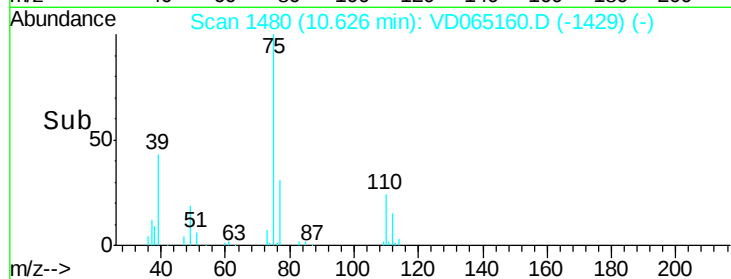
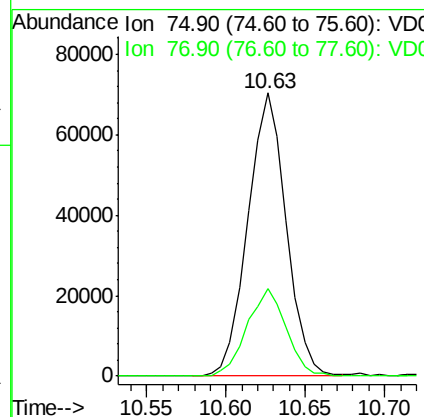
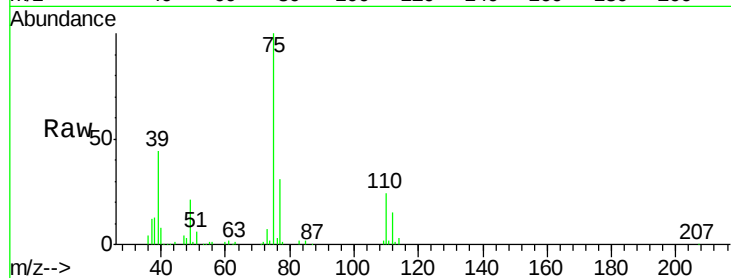
#53
t-1,3-Dichloropropene
Concen: 20.622 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.9	37.3

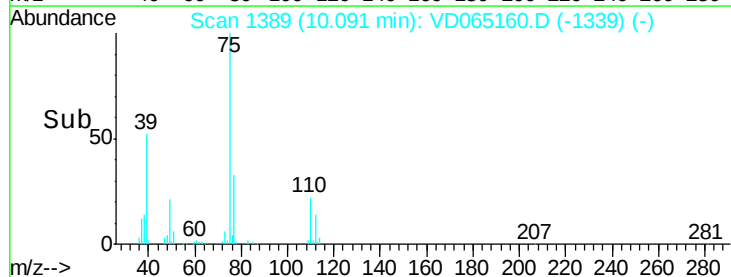
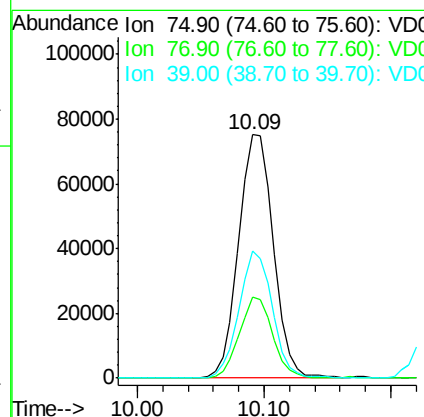
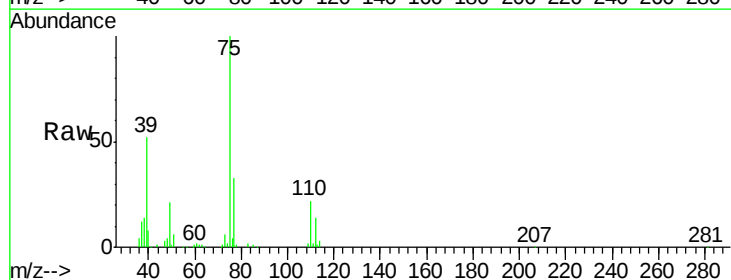
Manual Integrations
APPROVED

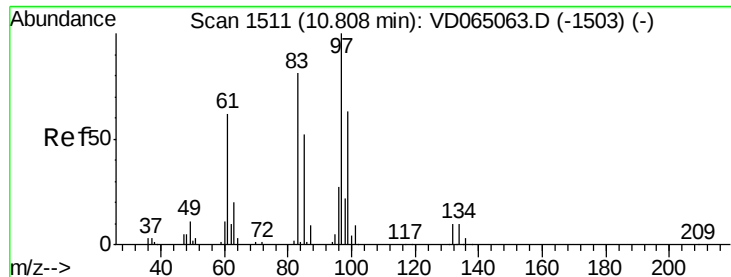
MMDadoda
2/13/2020 10:58:59 AM



#54
cis-1,3-Dichloropropene
Concen: 20.858 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.3	37.9
39	51.9	40.3	60.5





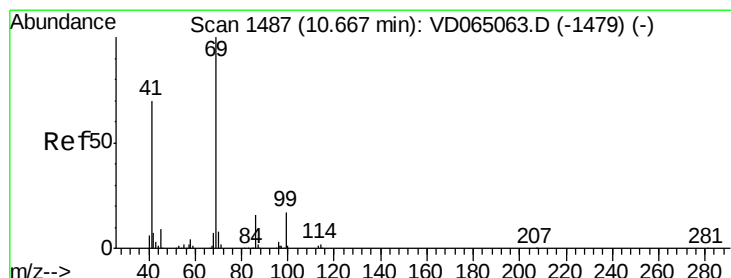
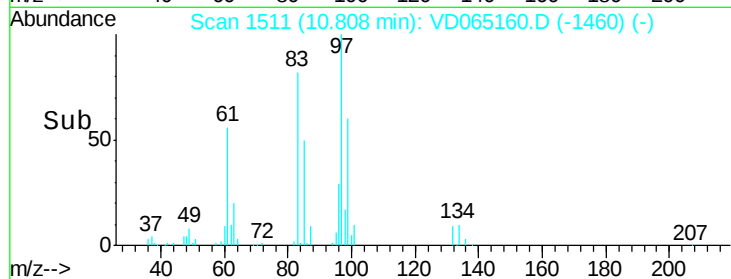
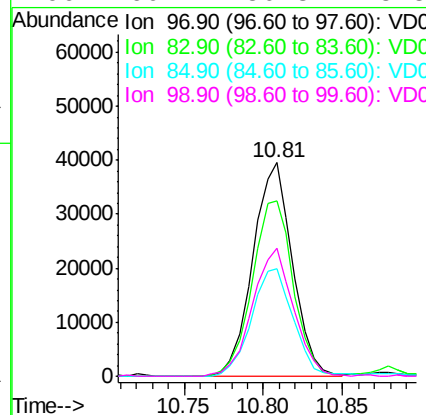
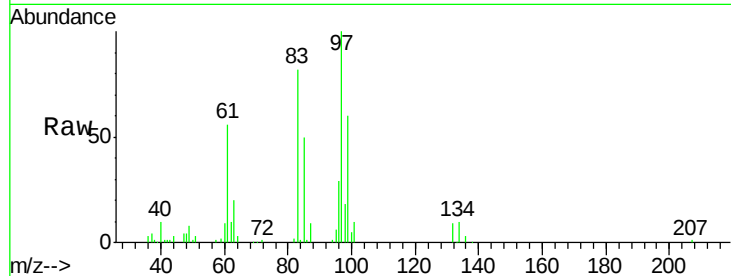
#55
 1,1,2-Trichloroethane
 Concen: 22.354 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion:	97	Resp:	68539
Ion	Ratio	Lower	Upper
97	100		
83	82.2	64.8	97.2
85	50.3	41.2	61.8
99	60.2	50.3	75.5

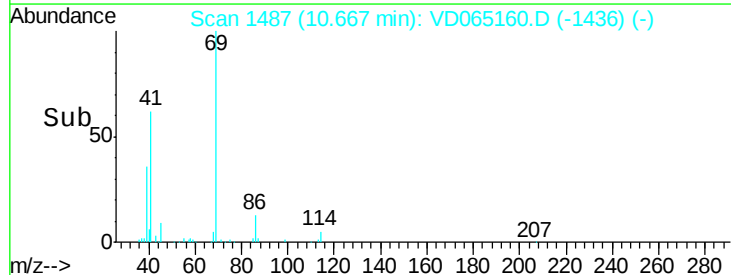
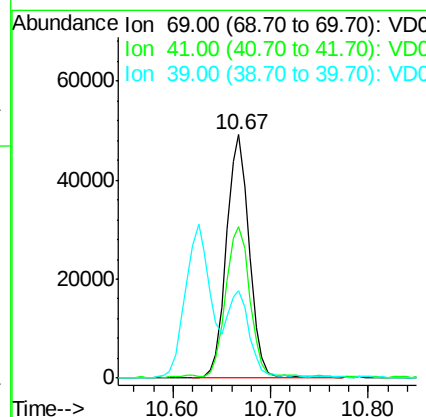
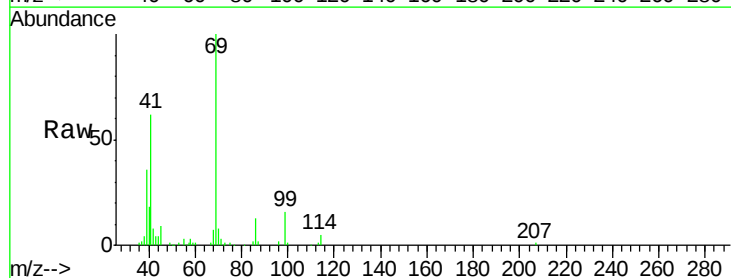
Manual Integrations
 APPROVED

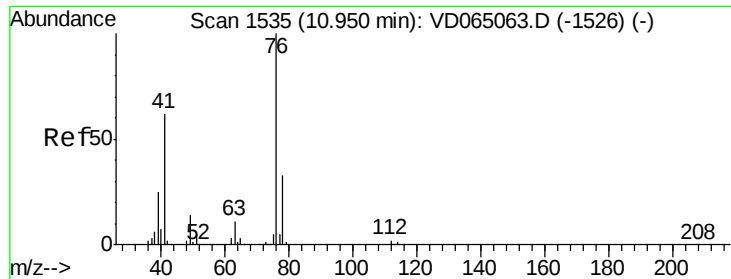
MMDadoda
 2/13/2020 10:58:59 AM



#56
 Ethyl methacrylate
 Concen: 20.676 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion:	69	Resp:	80211
Ion	Ratio	Lower	Upper
69	100		
41	64.6	55.9	83.9
39	33.6	29.4	44.0





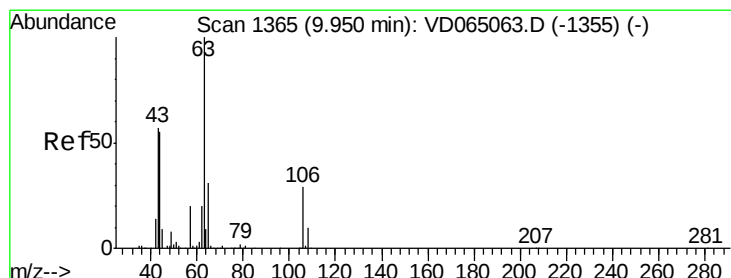
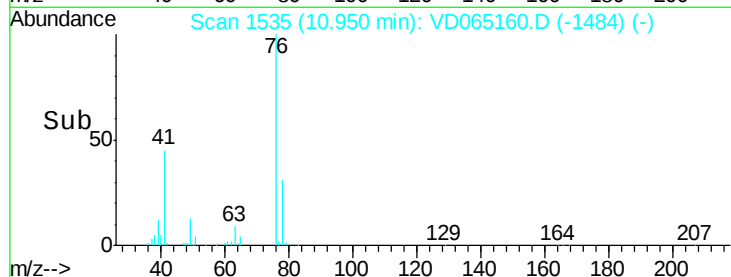
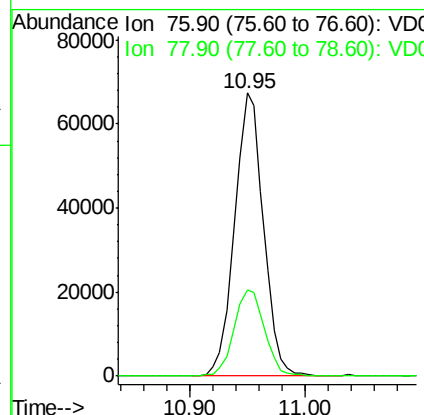
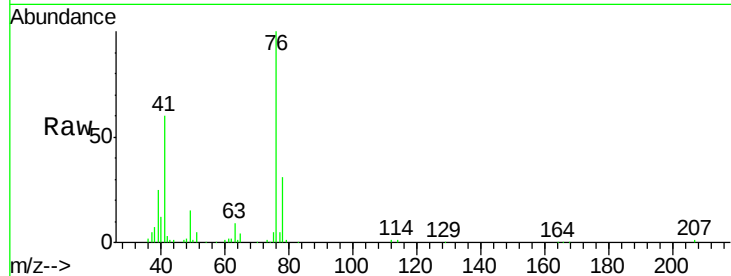
#57
 1,3-Dichloropropane
 Concen: 21.619 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion: 76 Resp: 116558
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

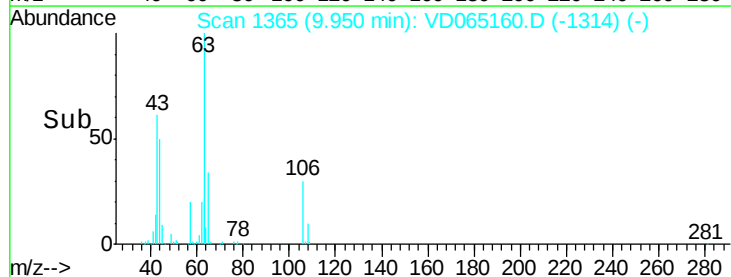
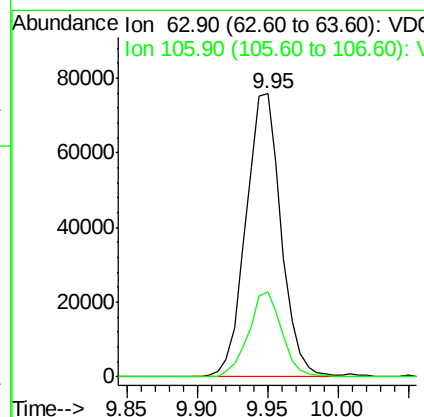
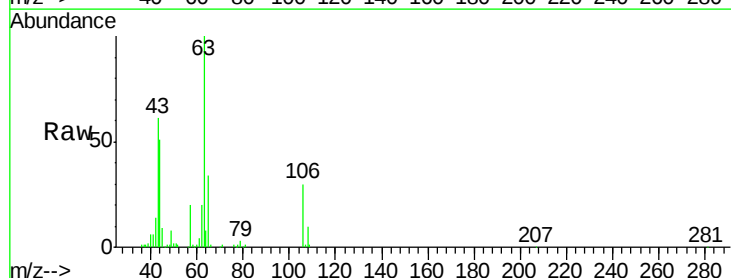
Manual Integrations
 APPROVED

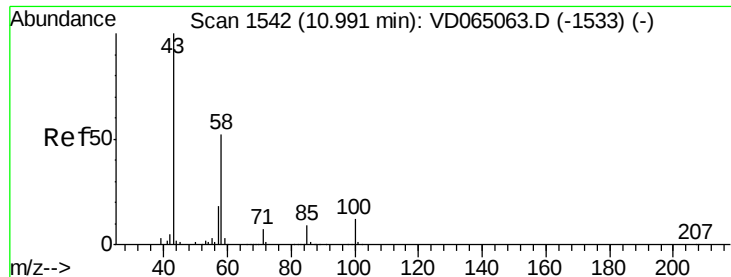
MMDadoda
 2/13/2020 10:58:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.180 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion: 63 Resp: 132899
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.3 34.9





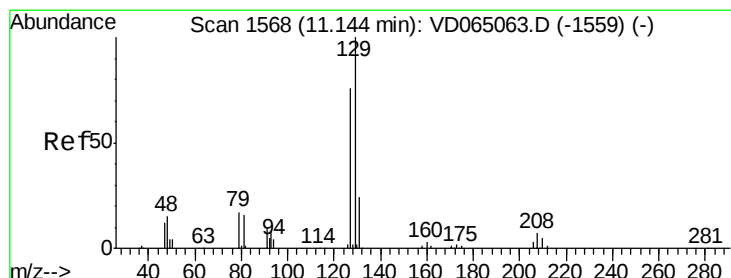
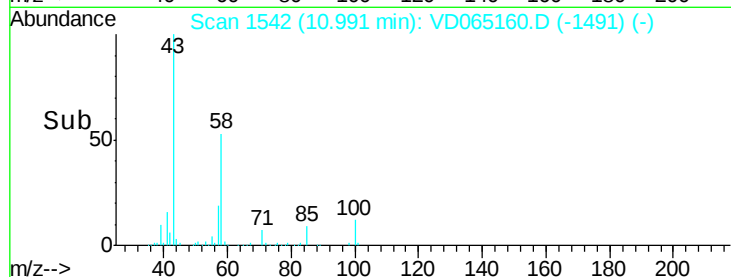
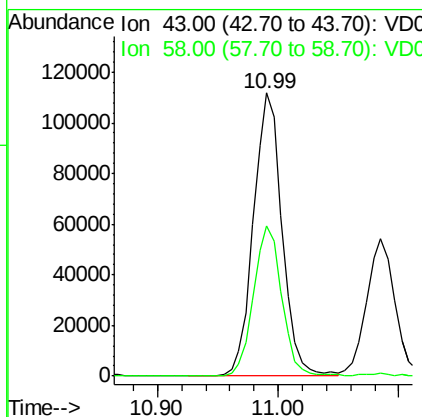
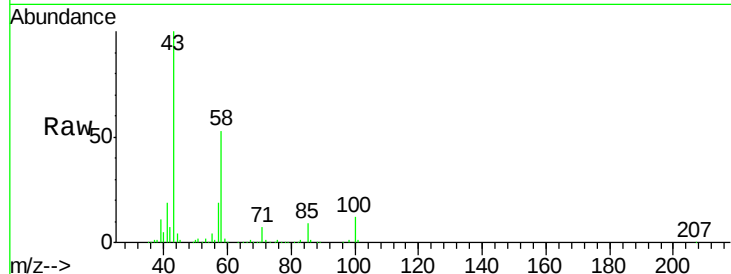
#59
2-Hexanone
Concen: 106.087 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion: 43 Resp: 185717
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.6

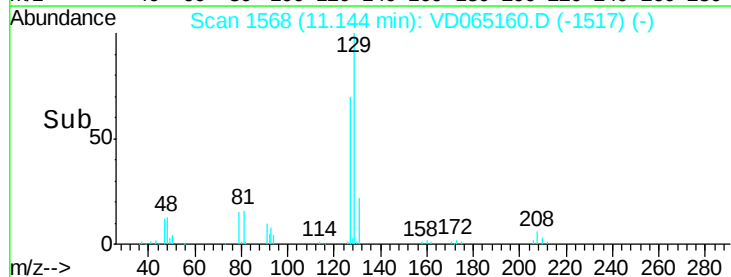
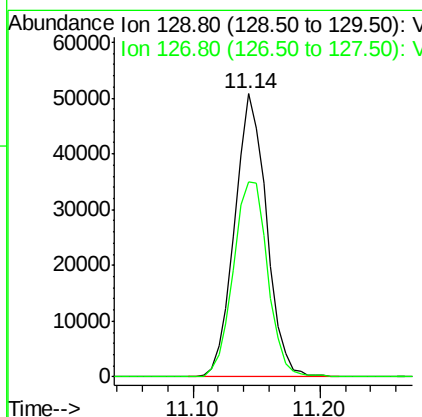
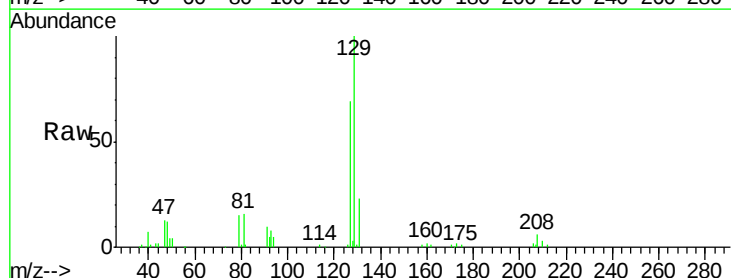
Manual Integrations
APPROVED

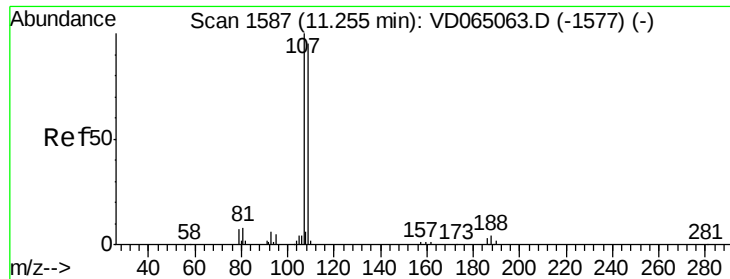
MMDadoda
2/13/2020 10:58:59 AM



#60
Dibromochloromethane
Concen: 22.340 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 129 Resp: 88721
Ion Ratio Lower Upper
129 100
127 74.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 22.039 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 107 Resp: 66027

Ion Ratio Lower Upper

107 100

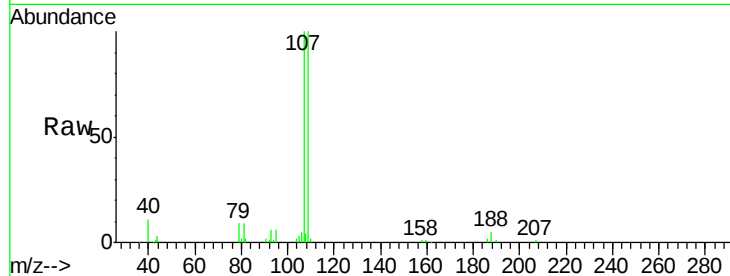
109 93.8 75.5 113.3

Manual Integrations

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2/13/2020 10:58:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

40000

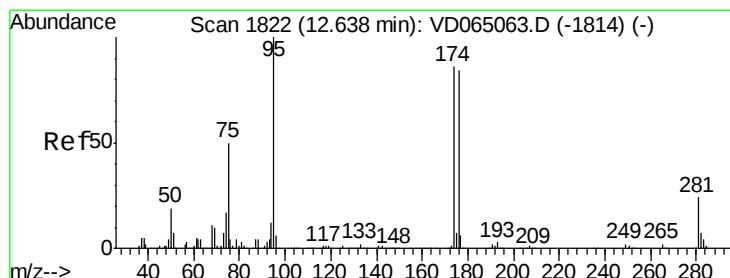
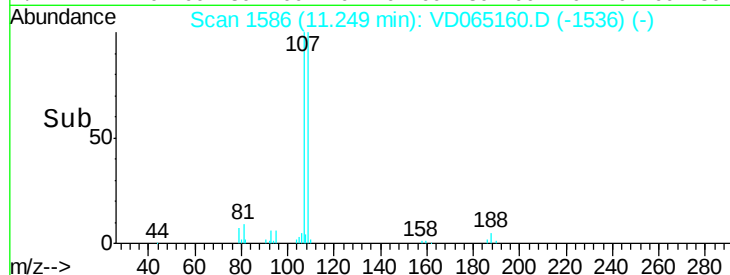
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.601 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

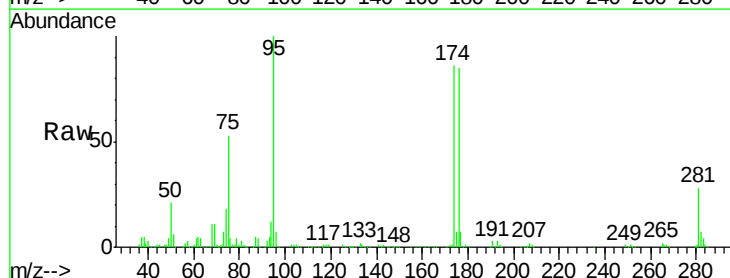
Tgt Ion: 95 Resp: 250896

Ion Ratio Lower Upper

95 100

174 87.6 0.0 180.0

176 85.3 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

12.64

200000

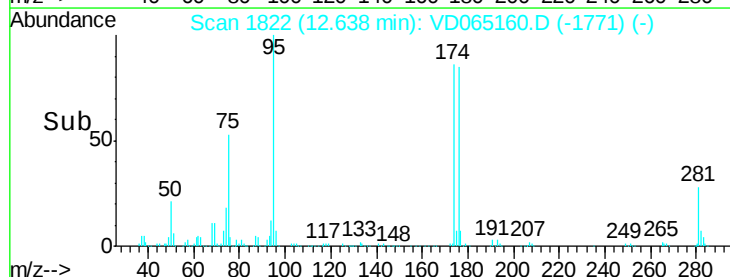
150000

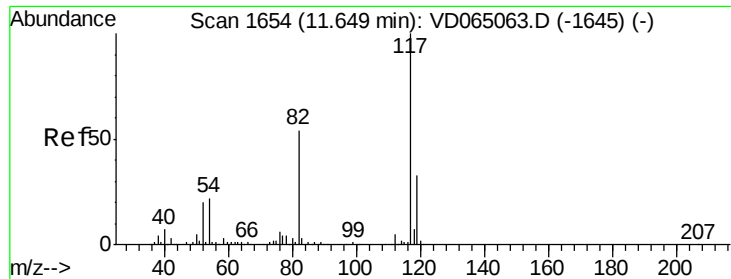
100000

50000

0

Time-->





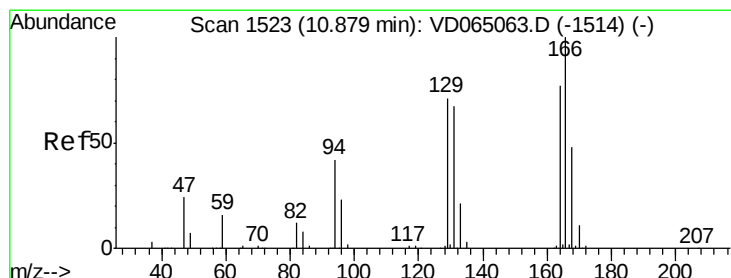
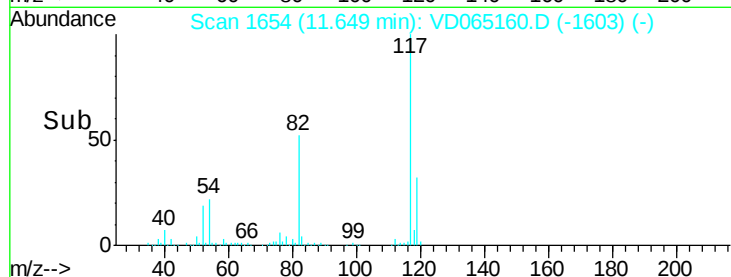
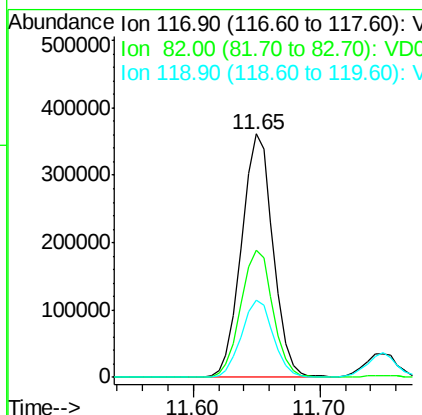
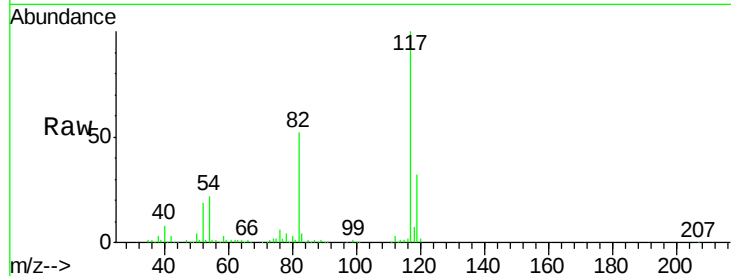
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	625161		
82	52.3	43.1	64.7	
119	31.8	26.0	39.0	

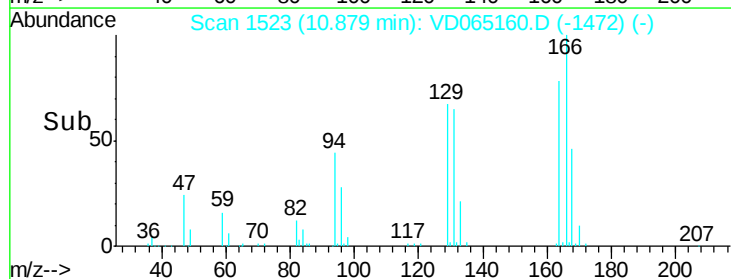
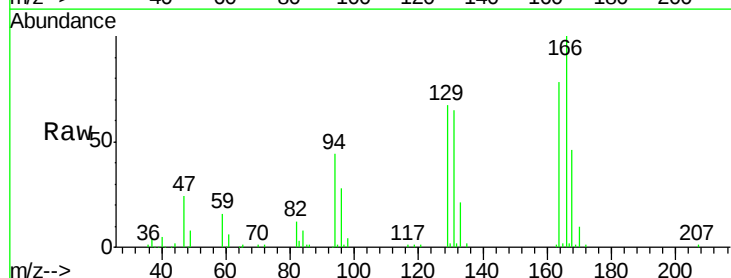
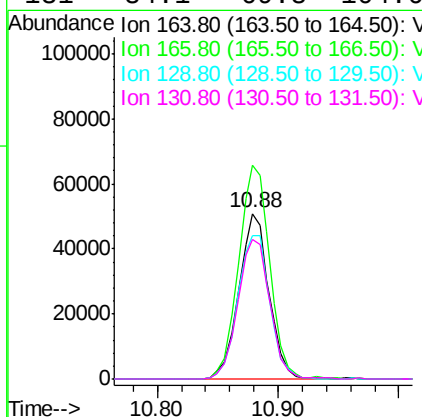
Manual Integrations
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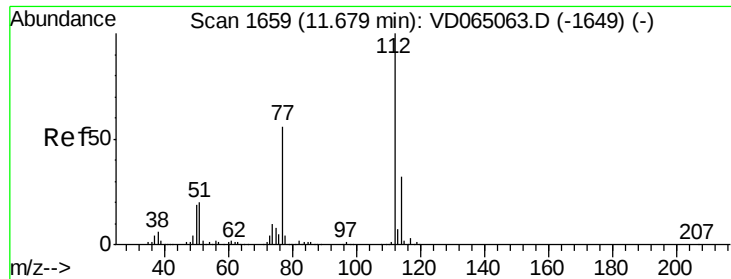
MMDadoda
2/13/2020 10:58:59 AM



#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88224		
166	129.0	103.5	155.3	
129	86.8	73.3	109.9	
131	84.1	69.8	104.6	





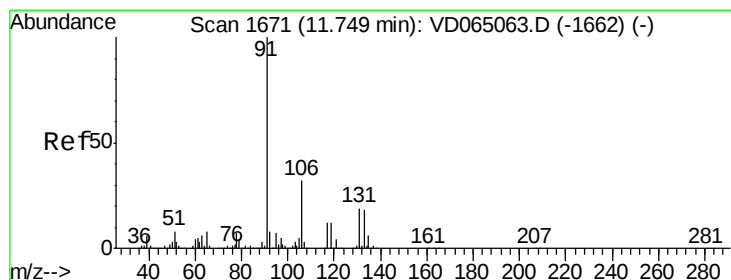
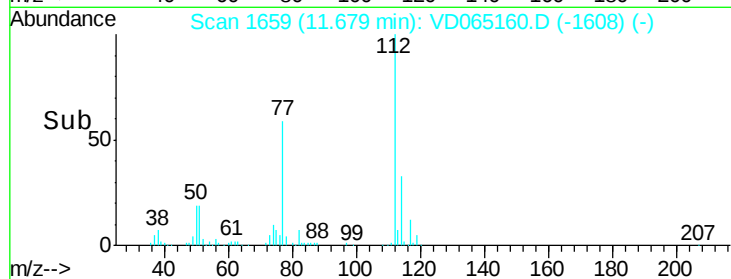
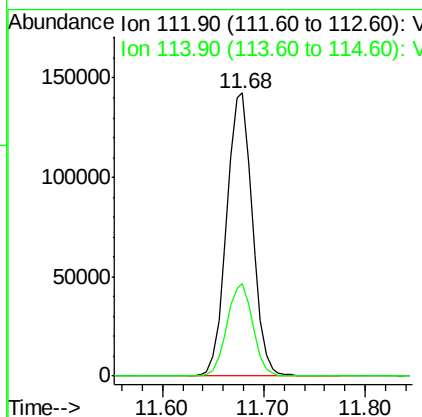
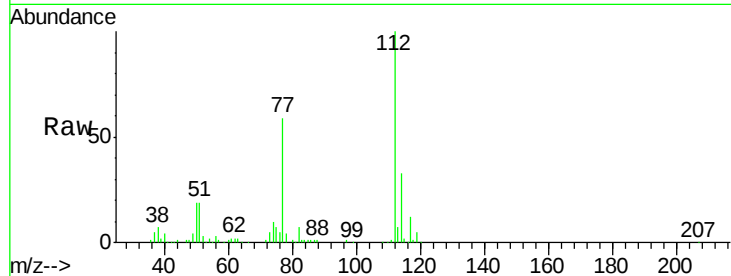
#65
Chlorobenzene
Concen: 20.776 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	251213		
114	32.5	25.4	38.0	

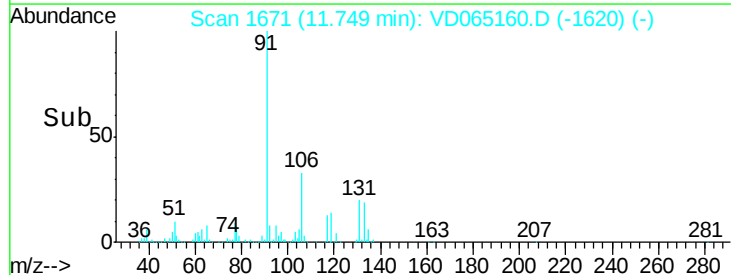
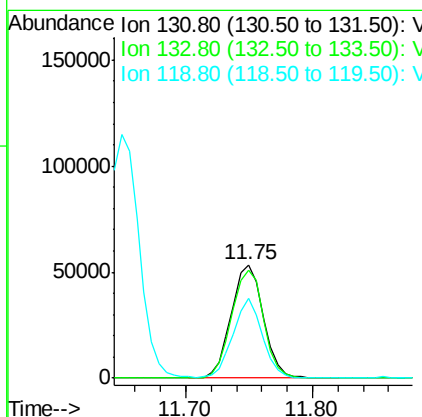
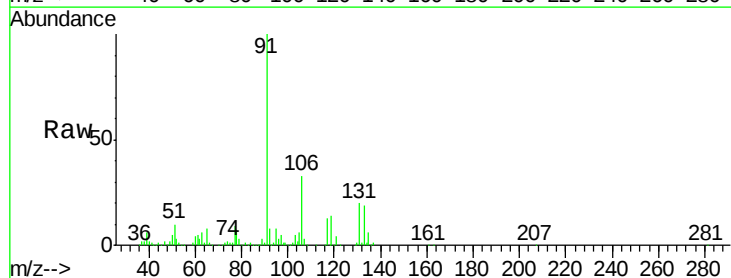
Manual Integrations
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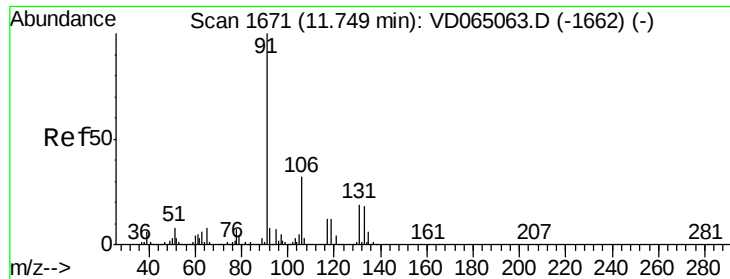
MMDadoda
2/13/2020 10:58:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.989 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	93667		
133	94.9	47.7	143.1	
119	63.7	31.3	93.8	





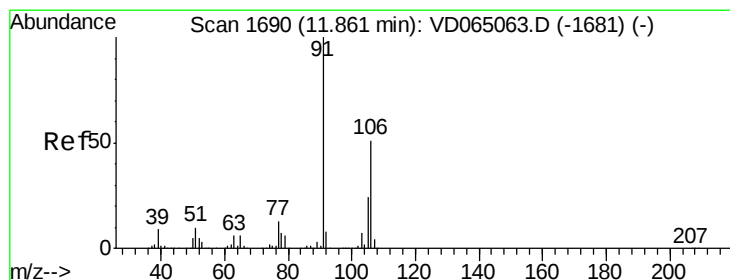
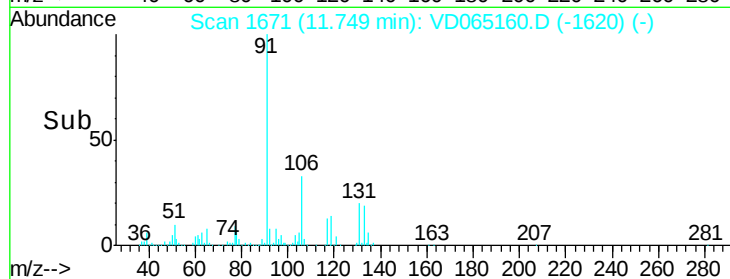
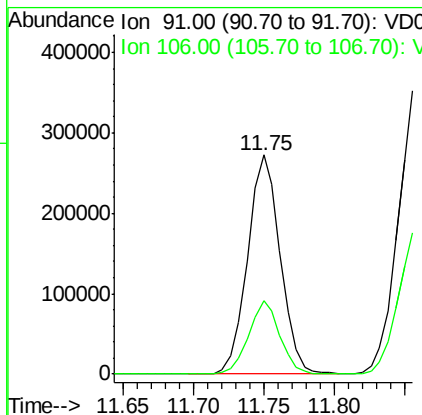
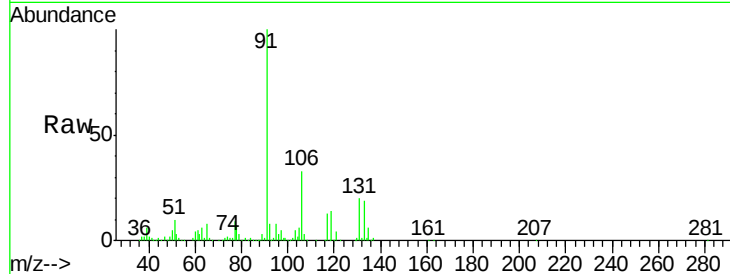
#67
Ethyl Benzene
Concen: 20.156 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		442781		
106	33.2	25.4	38.2		

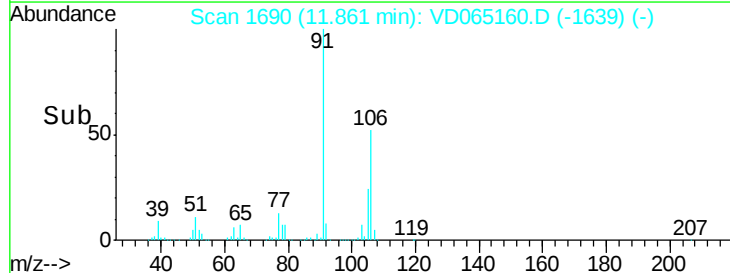
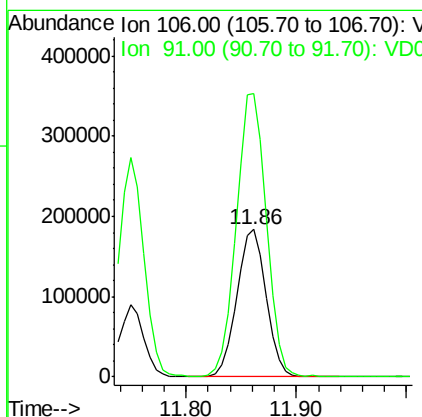
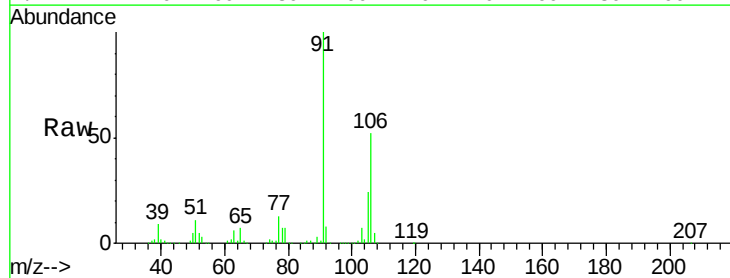
Manual Integrations
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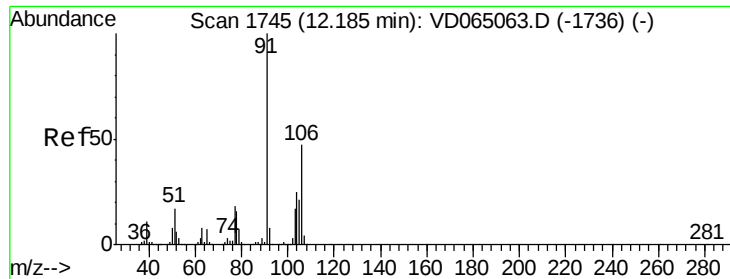
MMDadoda
2/13/2020 10:58:59 AM



#68
m/p-Xylenes
Concen: 40.830 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		342345		
91	197.8	158.9	238.3		





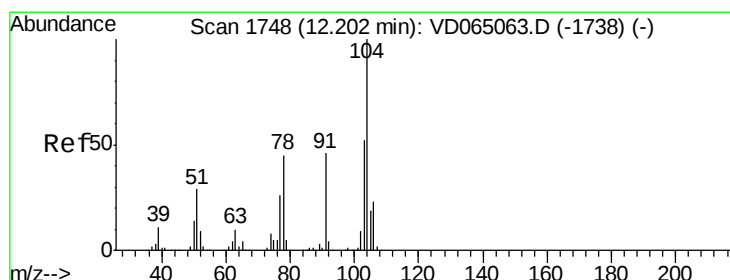
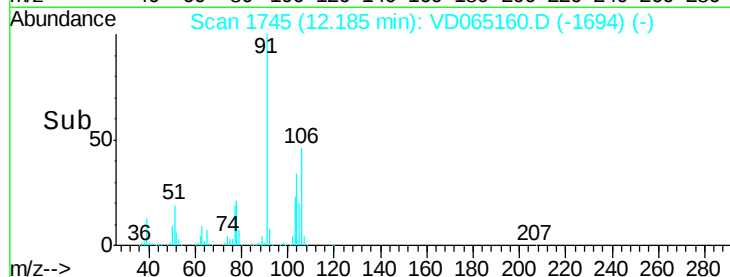
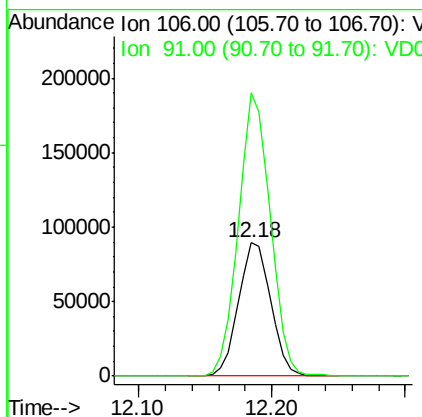
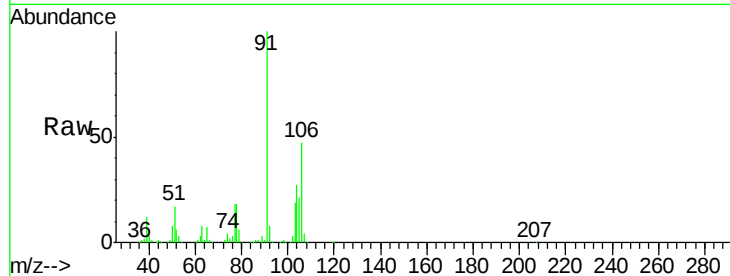
#69
o-Xylene
Concen: 19.896 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion:106 Resp: 150226
Ion Ratio Lower Upper
106 100
91 209.5 104.7 313.9

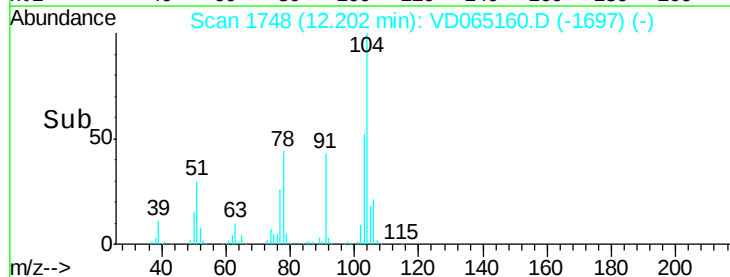
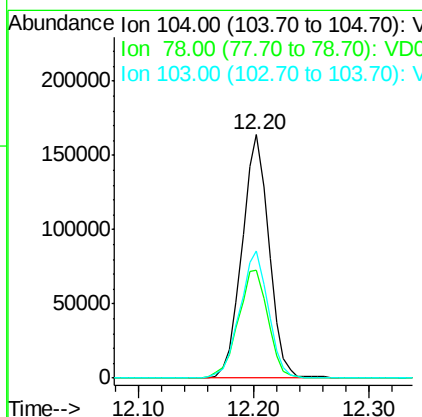
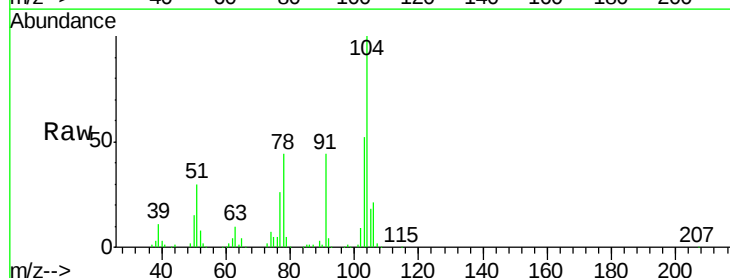
Manual Integrations
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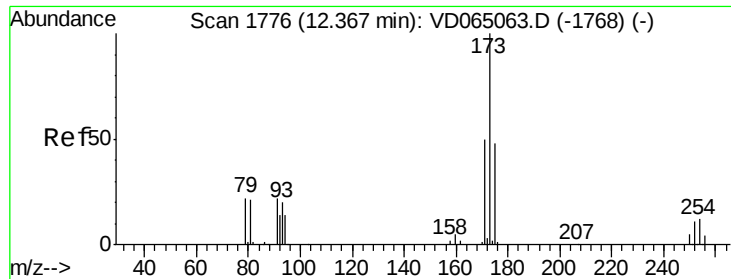
MMDadoda
2/13/2020 10:58:59 AM



#70
Styrene
Concen: 20.298 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion:104 Resp: 266372
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.2 43.8 65.8





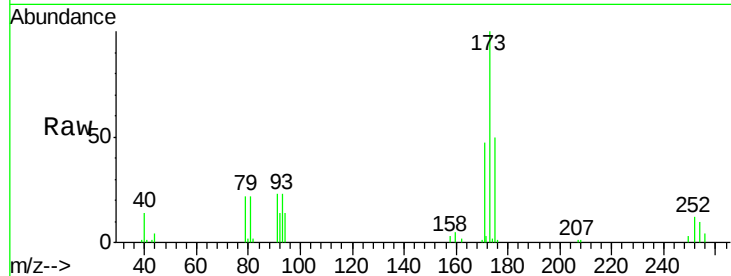
#71
Bromoform
Concen: 21.603 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

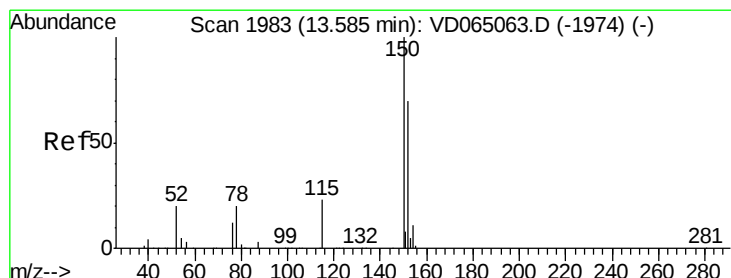
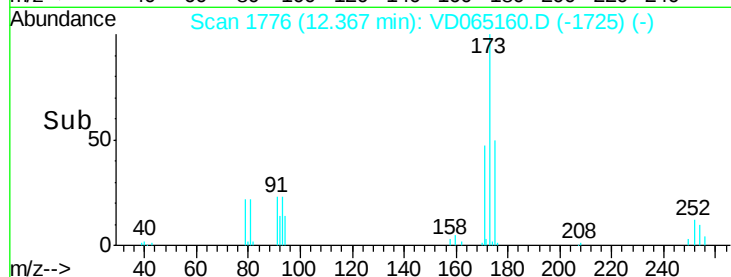
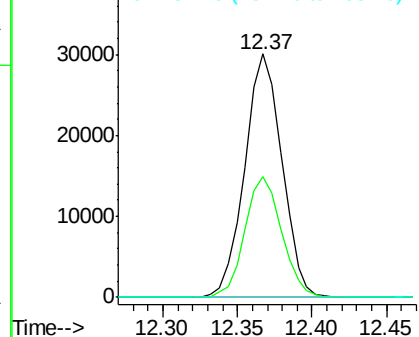
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.1	0.1#

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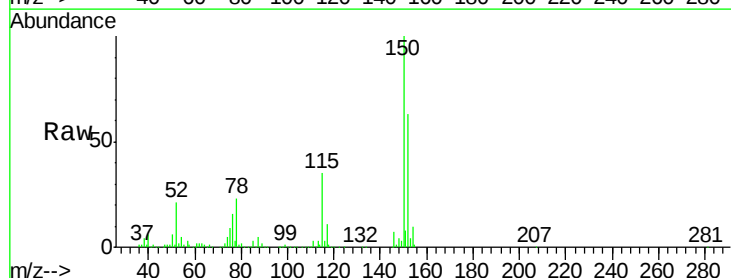


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

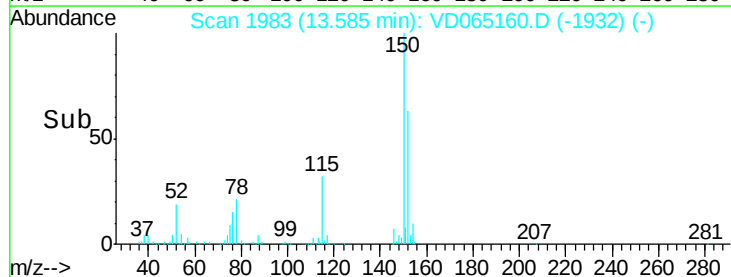
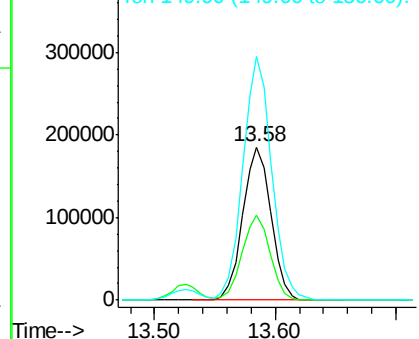


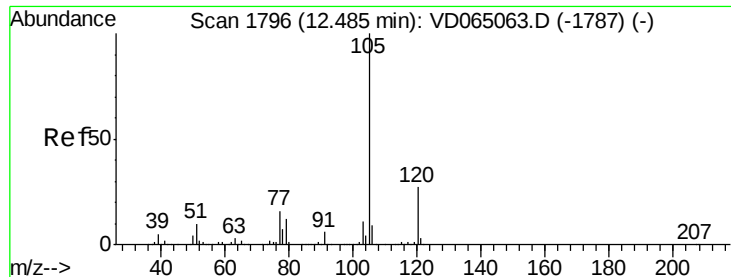
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.5	82.4
150	162.4	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





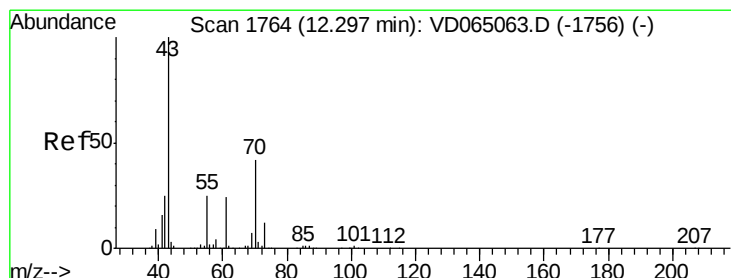
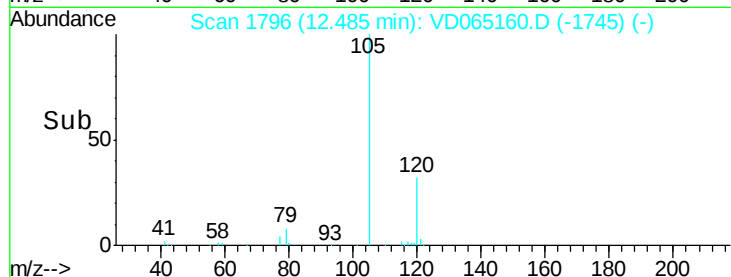
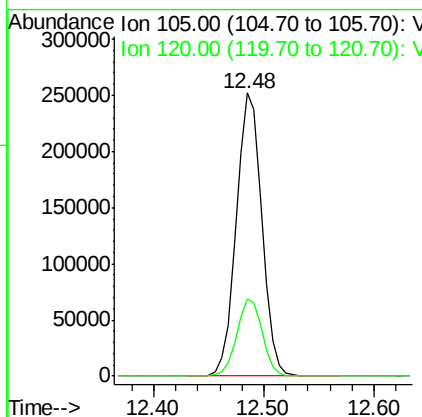
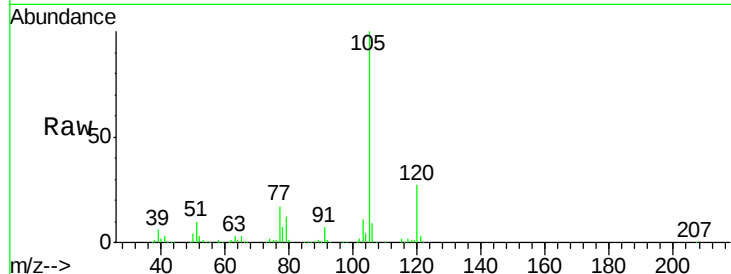
#73
Isopropylbenzene
Concen: 19.776 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	410199		
120	27.0	13.3	39.9	

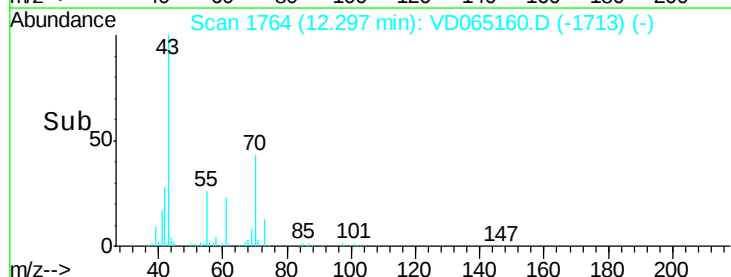
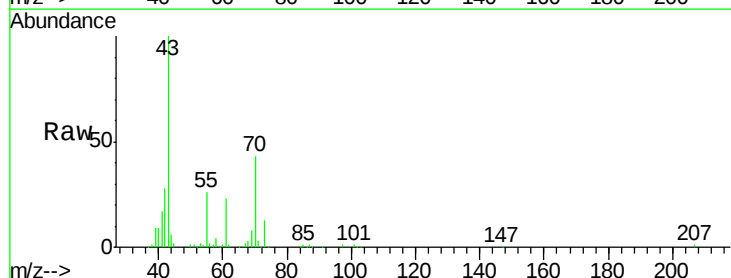
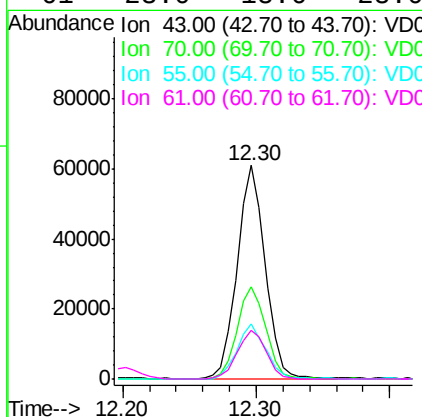
Manual Integrations
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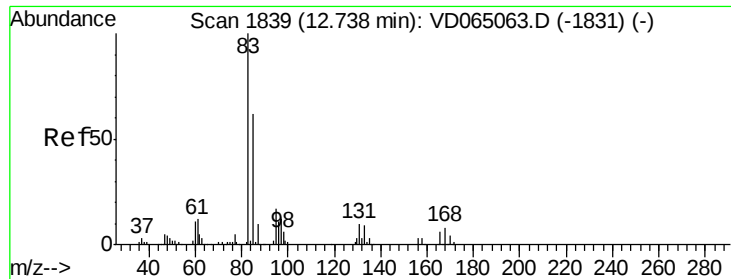
MMDadoda
2/13/2020 10:58:59 AM



#74
N-ethyl acetate
Concen: 19.771 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	89135		
70	43.9	33.5	50.3	
55	26.4	19.4	29.2	
61	23.0	18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.206 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

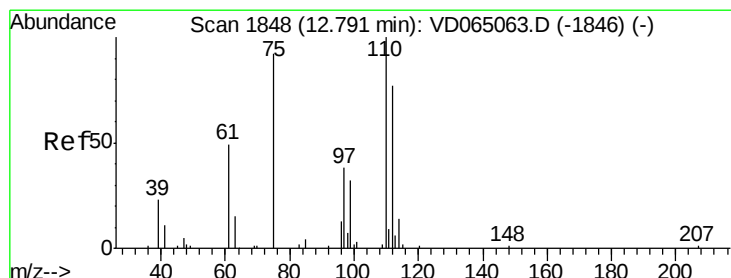
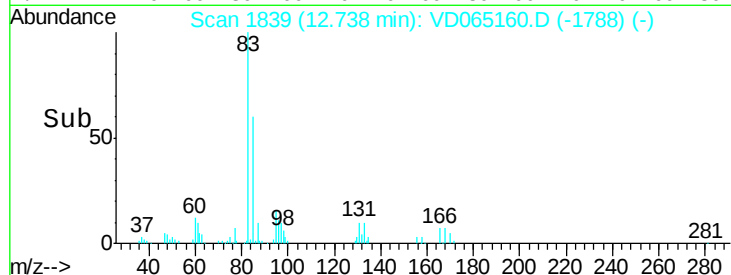
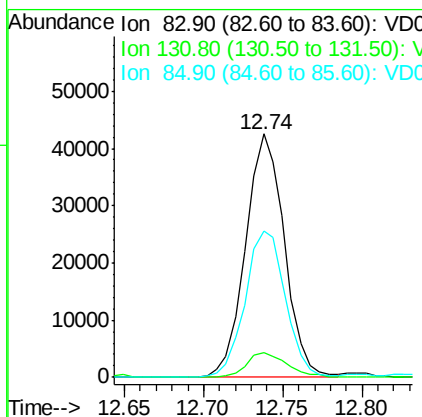
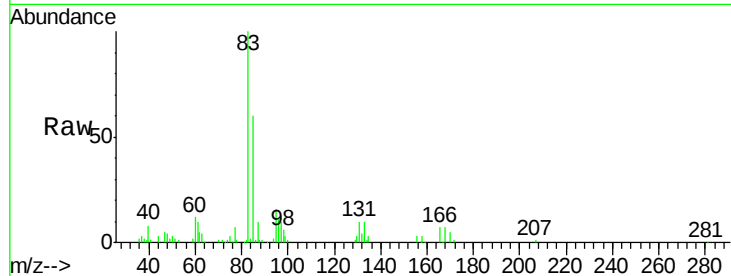
ClientSampleId :

VD0212SBSD01

Tot Ion:	83	Resp:	72489
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	62.4	31.8	95.4

Manual Integrations
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2/13/2020 10:58:59 AM



#76

1,2,3-Trichloropropane

Concen: 17.101 ug/l m

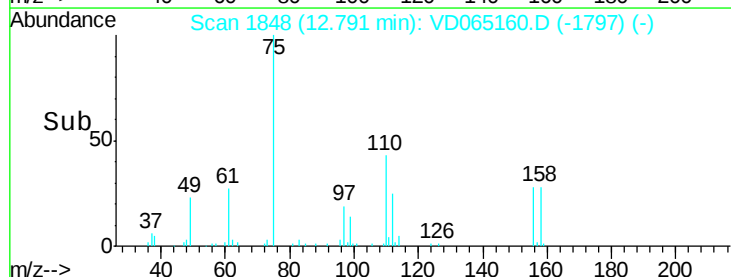
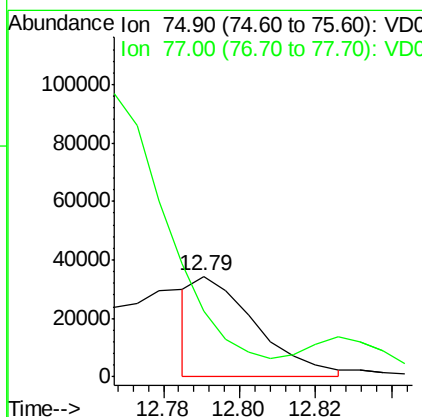
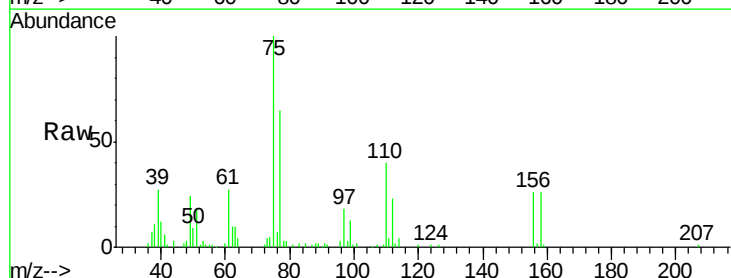
RT: 12.79 min Scan# 1848

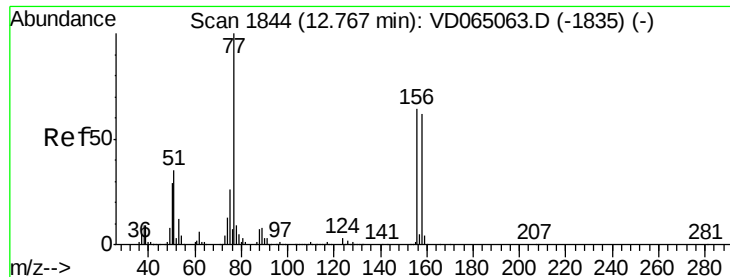
Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	75	Resp:	39126
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.168 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

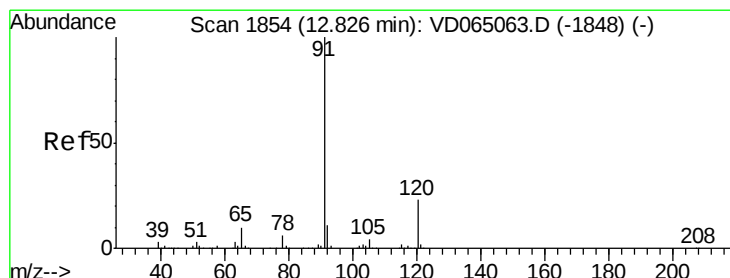
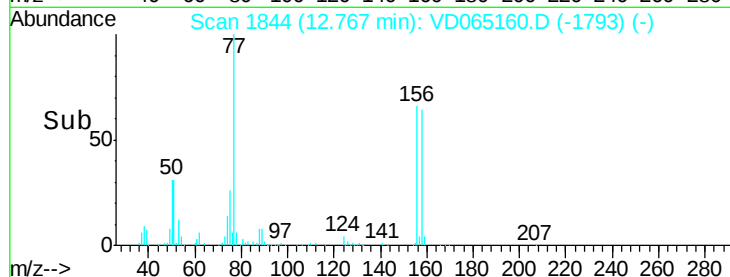
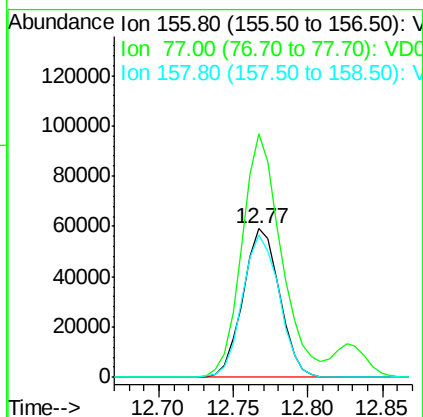
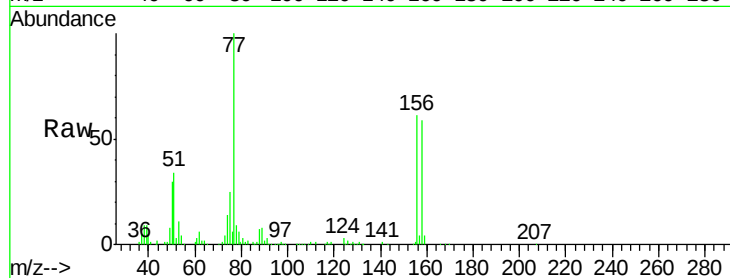
ClientSampleId :

VD0212SBSD01

Tot Ion:	156	Resp:	100789
Ion Ratio	Lower	Upper	
156	100		
77	175.4	85.6	256.8
158	96.2	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.516 ug/l

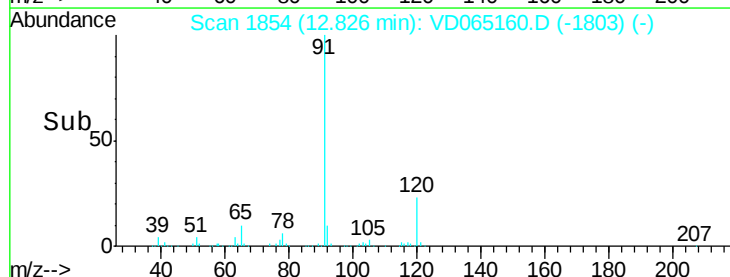
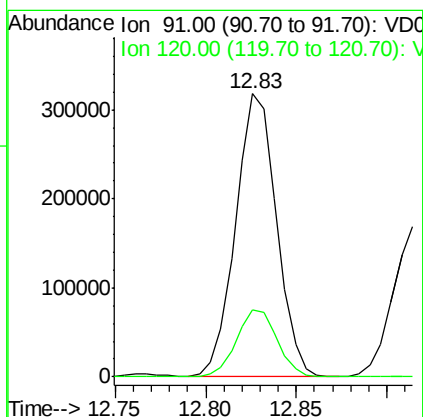
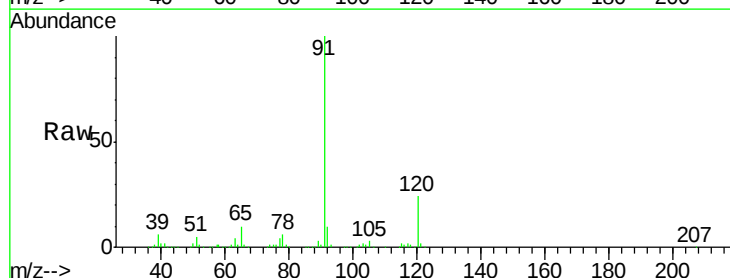
RT: 12.83 min Scan# 1854

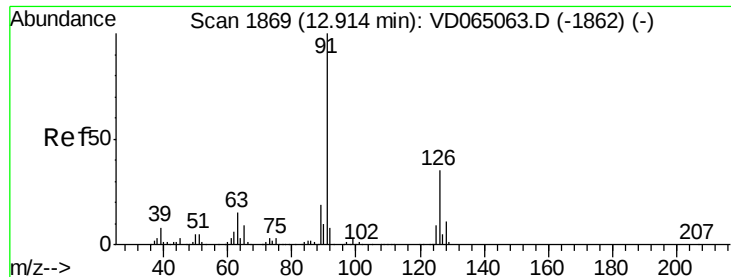
Delta R.T. -0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	91	Resp:	498359
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3





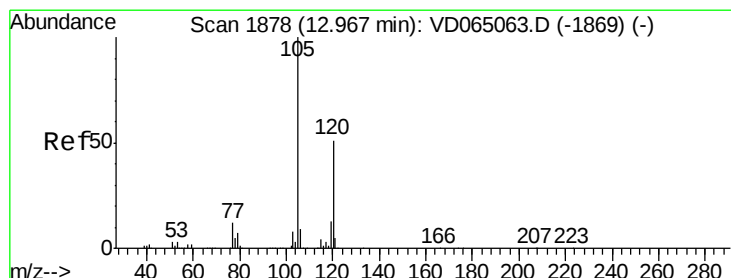
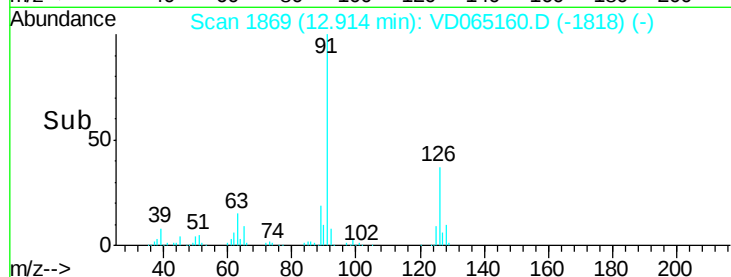
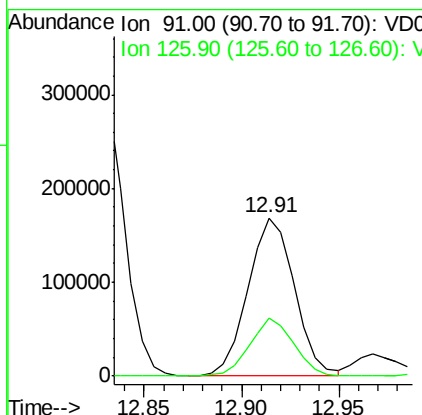
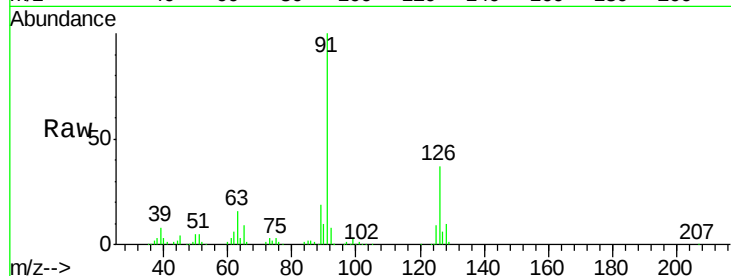
#79
2-Chlorotoluene
Concen: 20.506 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion: 91 Resp: 277647
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3

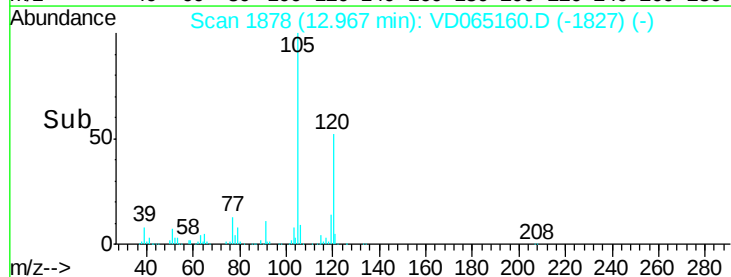
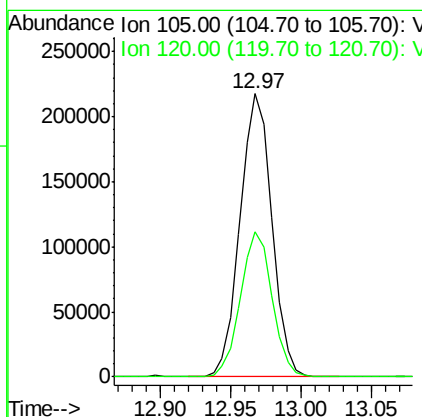
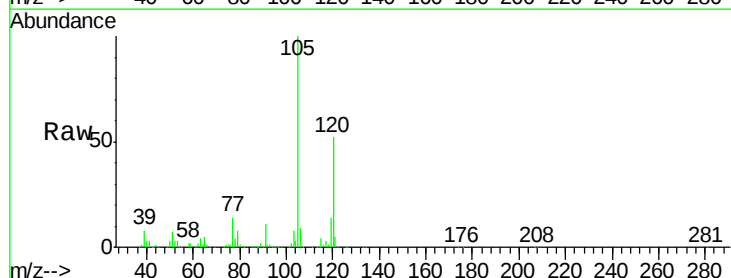
Manual Integrations
APPROVED

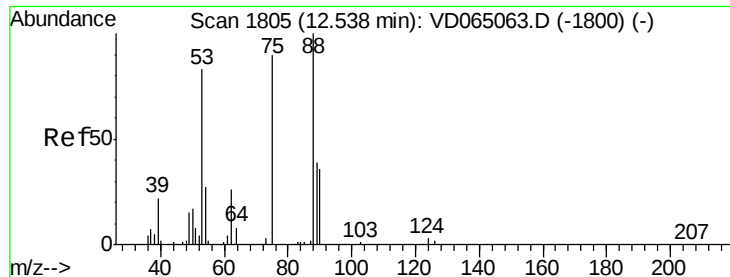
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.221 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion: 105 Resp: 343131
Ion Ratio Lower Upper
105 100
120 51.2 25.1 75.4





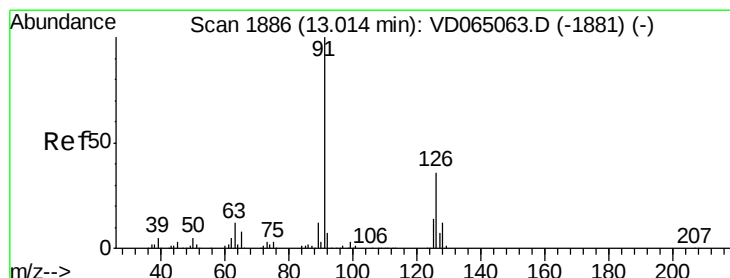
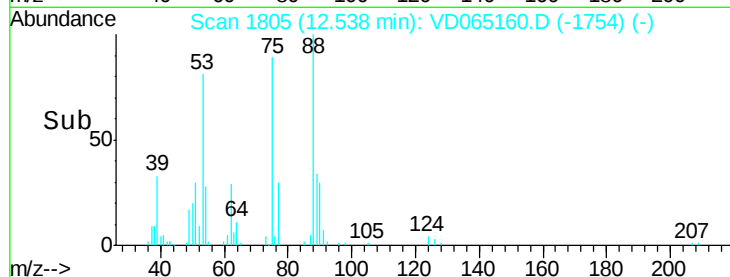
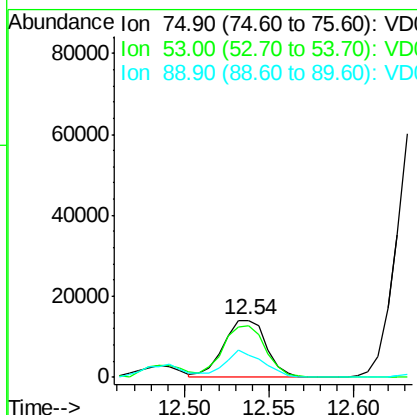
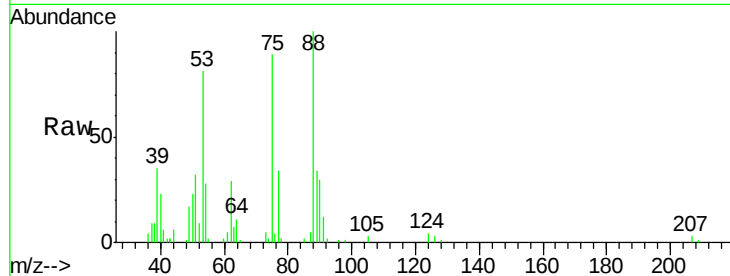
#81
trans-1,4-Dichloro-2-butene
Concen: 21.932 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.1	78.5	117.7
89	41.2	37.0	55.4

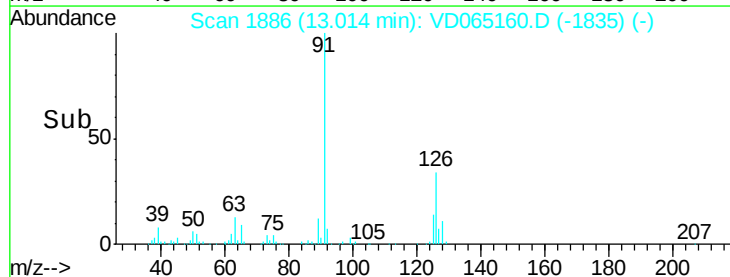
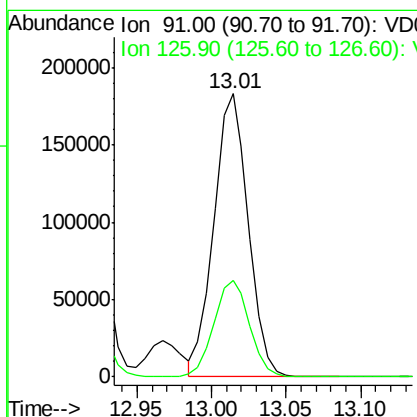
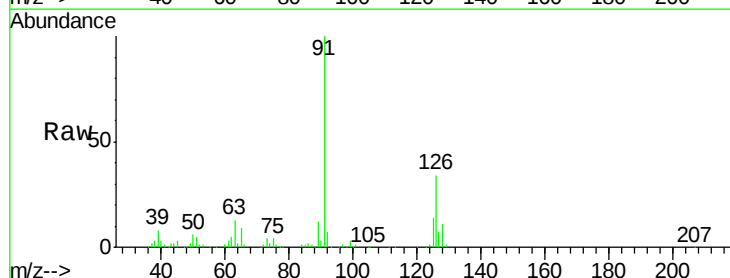
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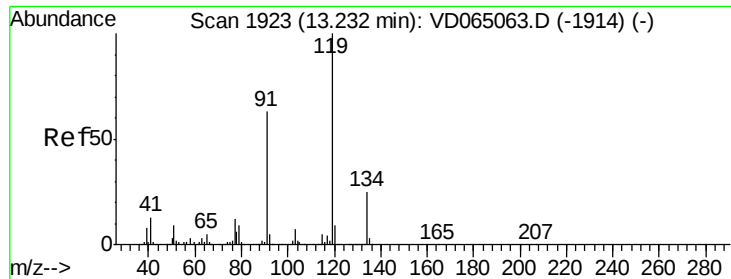
MMDadoda
2/13/2020 10:58:59 AM



#82
4-Chlorotoluene
Concen: 20.692 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





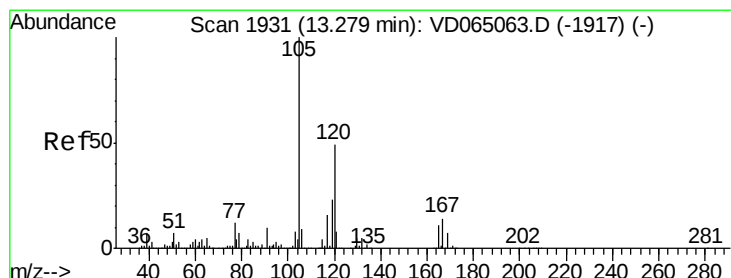
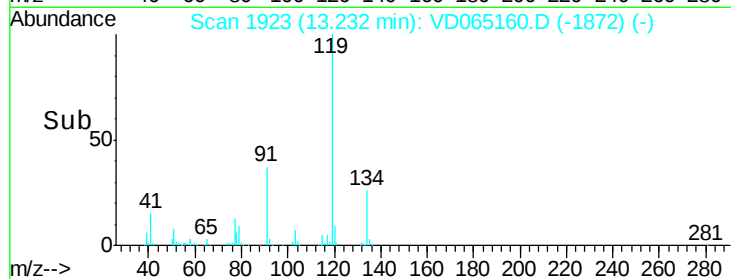
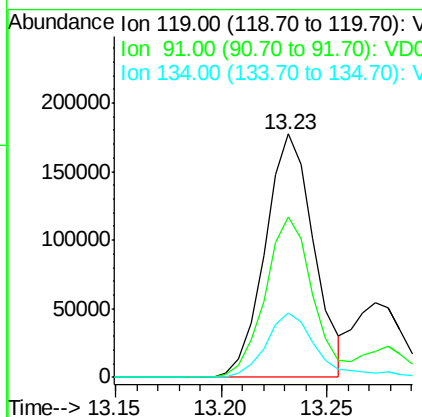
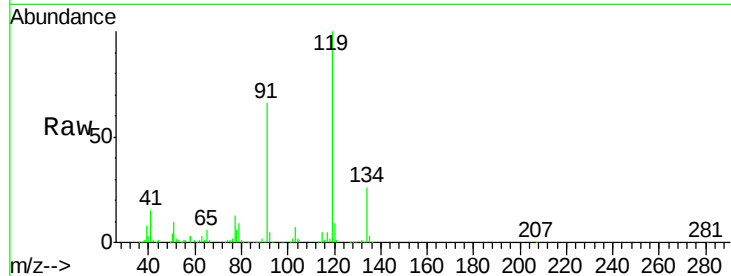
#83
 tert-Butylbenzene
 Concen: 19.460 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284889		
91	64.7	32.3	96.9	
134	27.9	13.8	41.3	

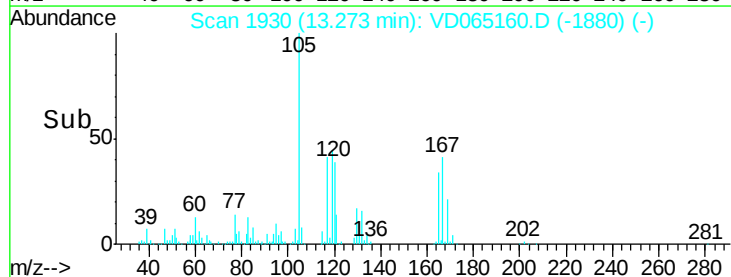
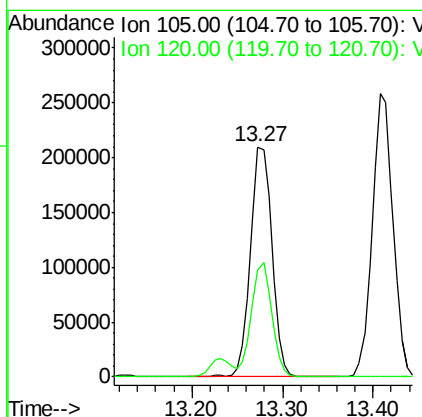
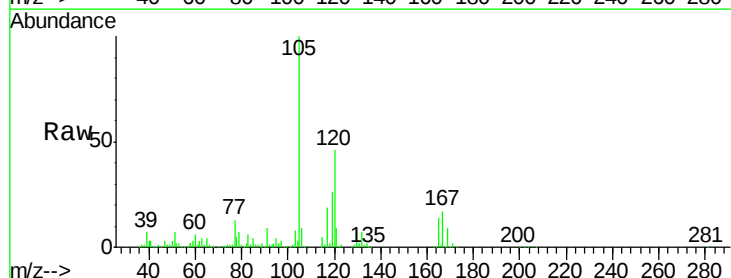
Manual Integrations
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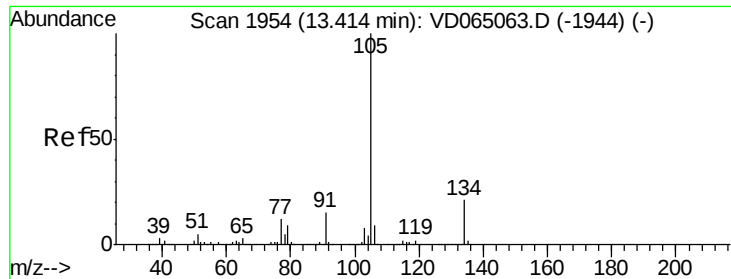
MMDadoda
 2/13/2020 10:58:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.545 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346120		
120	46.8	23.5	70.5	





#85

sec-Butylbenzene

Concen: 20.557 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion:105 Resp: 411038

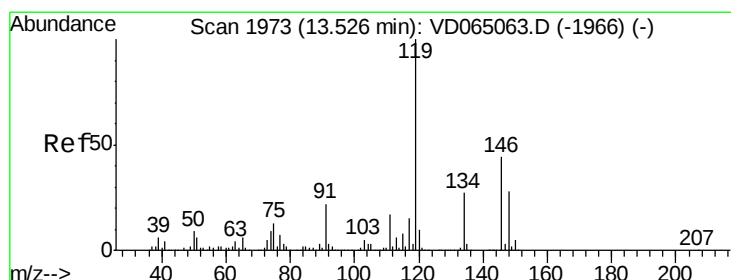
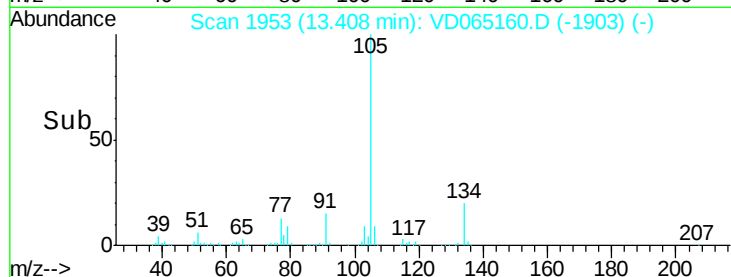
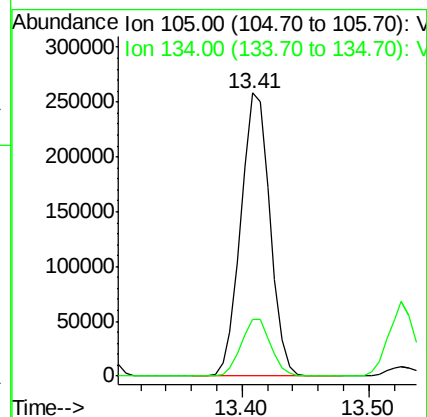
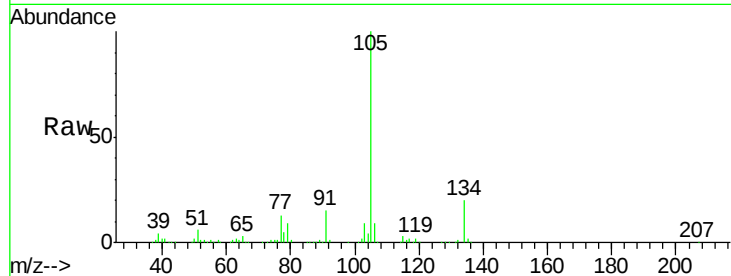
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.432 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

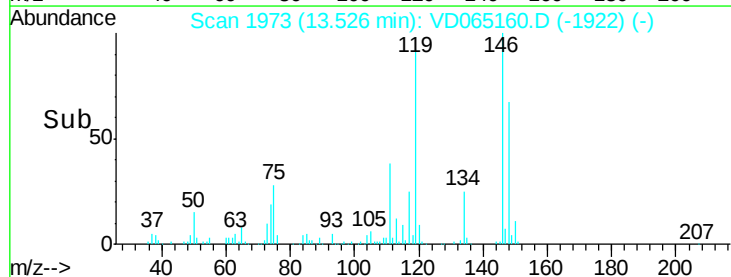
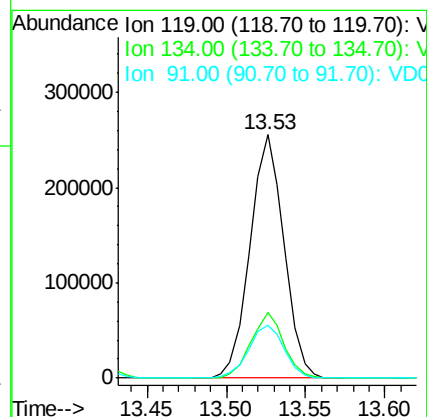
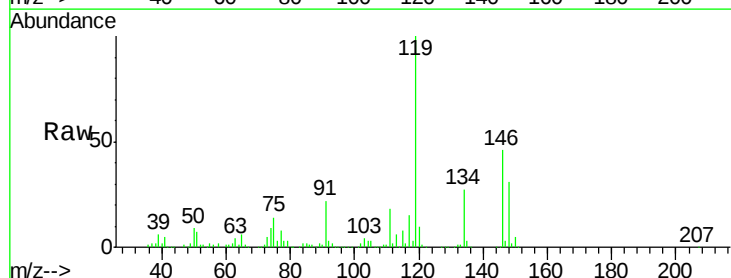
Tgt Ion:119 Resp: 379592

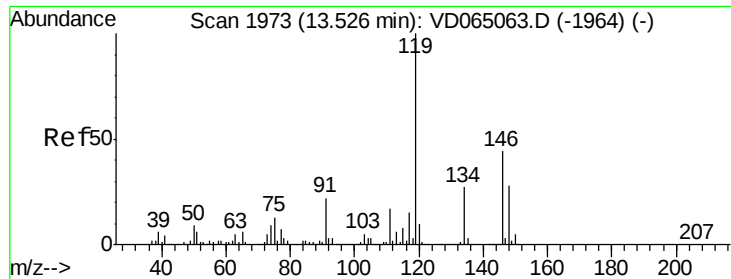
Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

91 23.0 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 20.604 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Instrument :

MSVOA_D

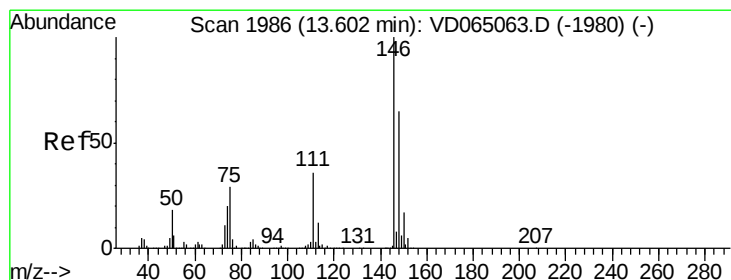
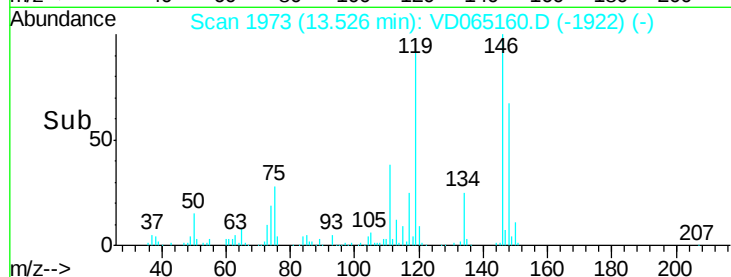
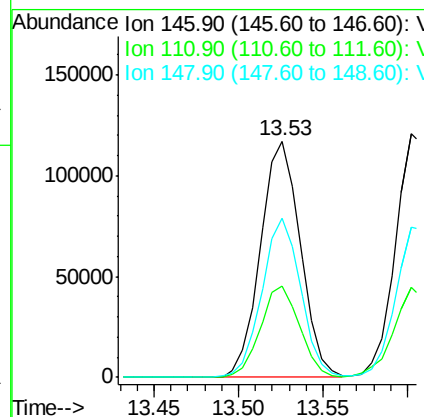
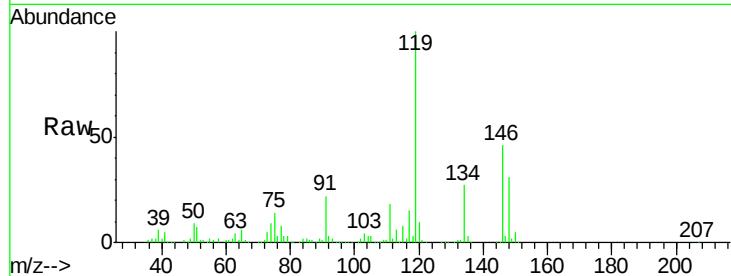
ClientSampleId :

VD0212SBS01

Tot Ion:	146	Resp:	192785
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.4	58.4
148	65.4	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 21.170 ug/l

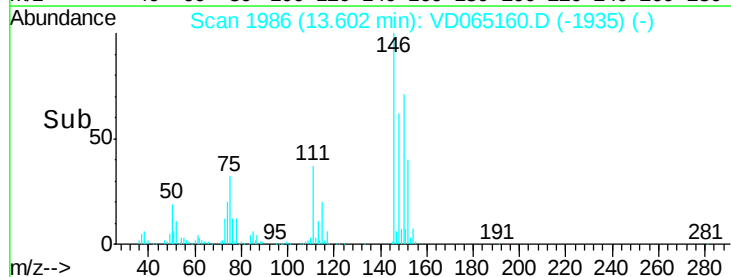
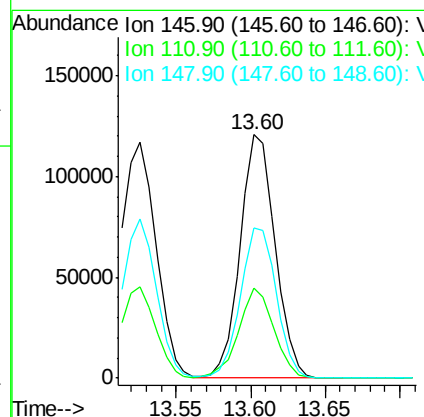
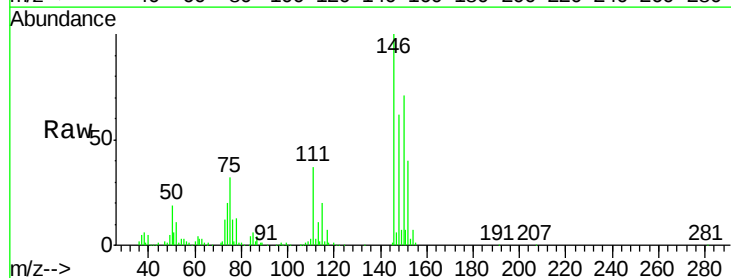
RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065160.D

Acq: 12 Feb 2020 11:58

Tgt Ion:	146	Resp:	197146
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.5	55.5
148	63.4	32.7	98.1





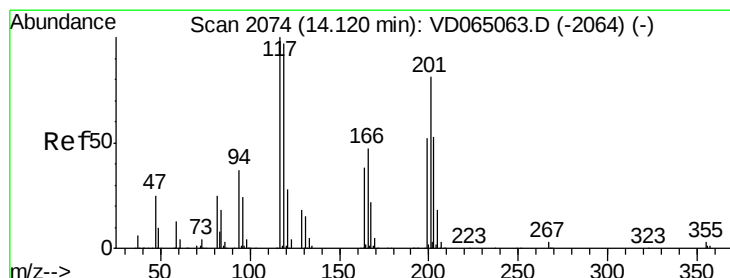
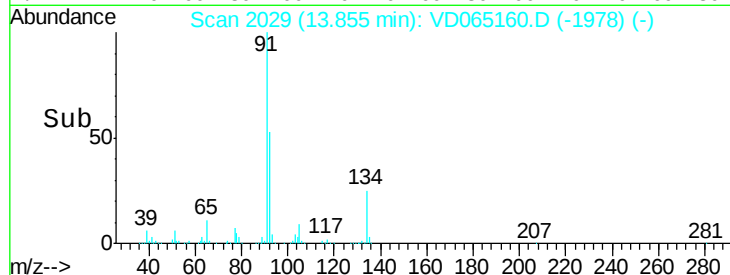
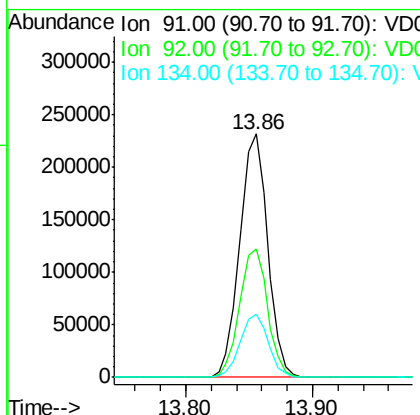
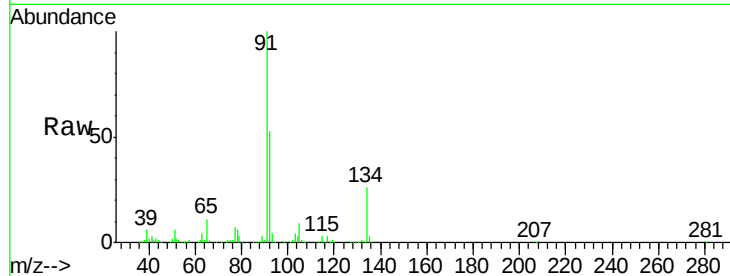
#89
n-Butylbenzene
Concen: 20.646 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.1
134	25.9	13.4	40.2

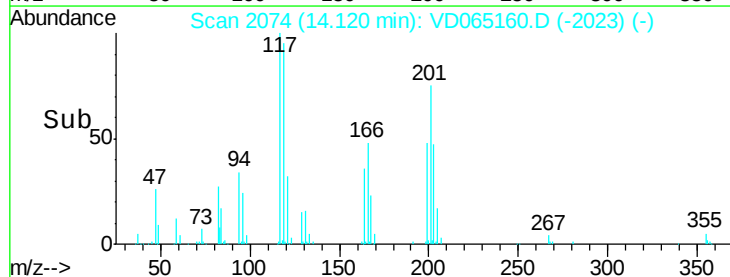
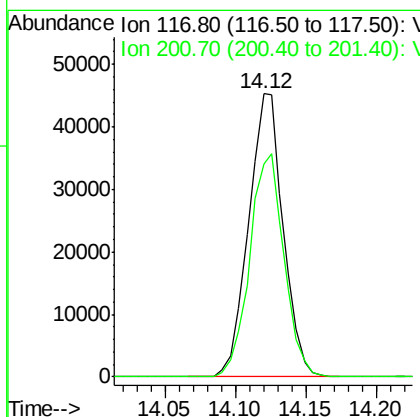
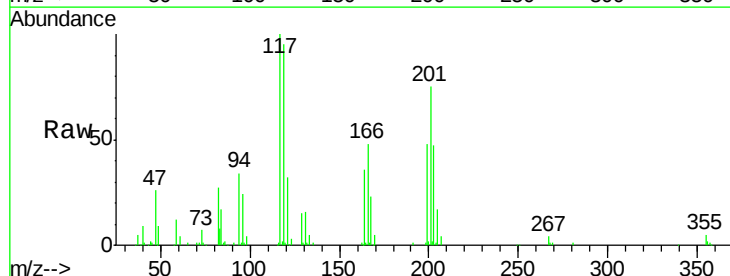
Manual Integrations
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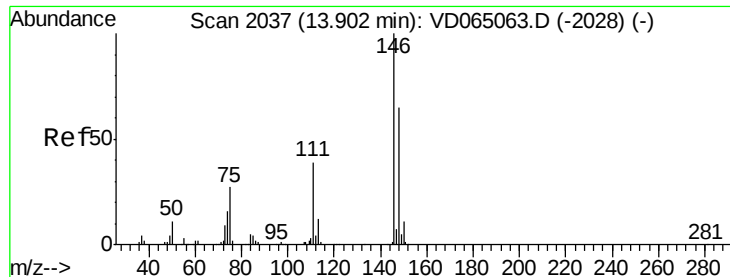
MMDadoda
2/13/2020 10:58:59 AM



#90
Hexachloroethane
Concen: 22.088 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	42.5	127.6





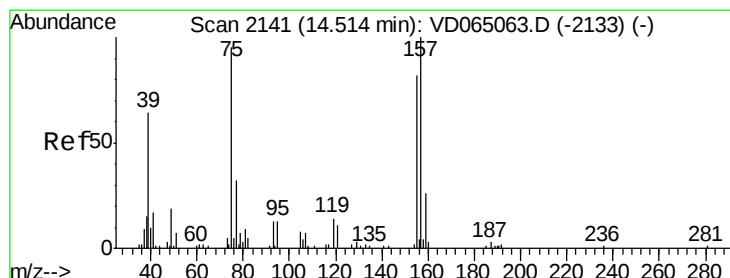
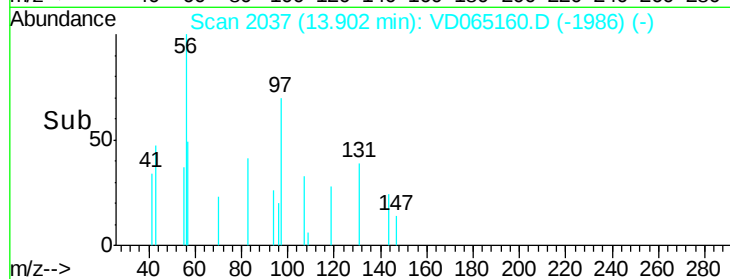
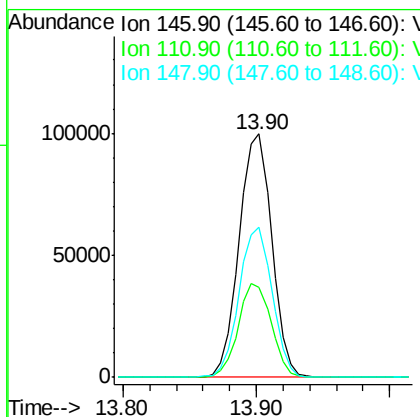
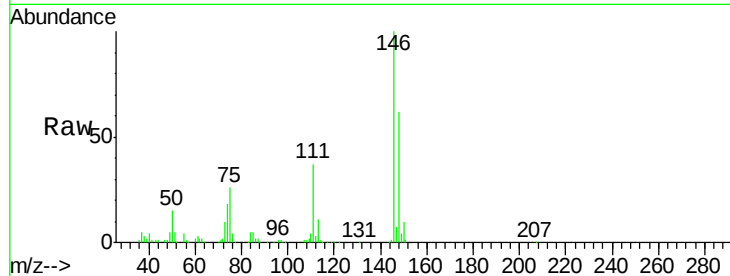
#91
 1,2-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	62.3	31.9	95.5

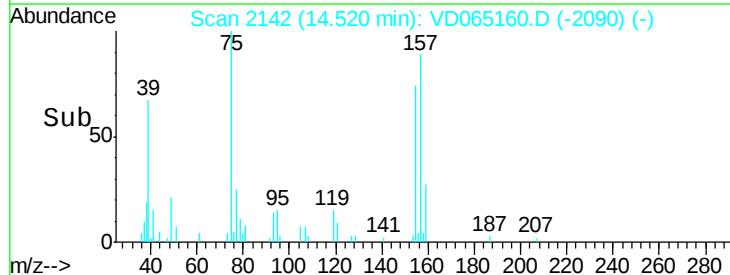
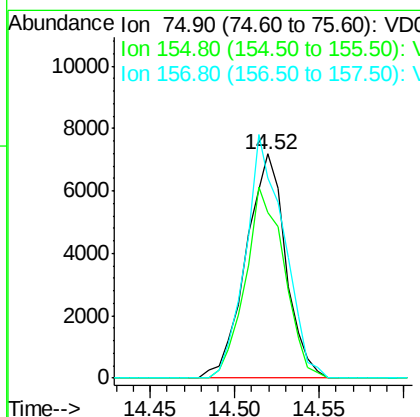
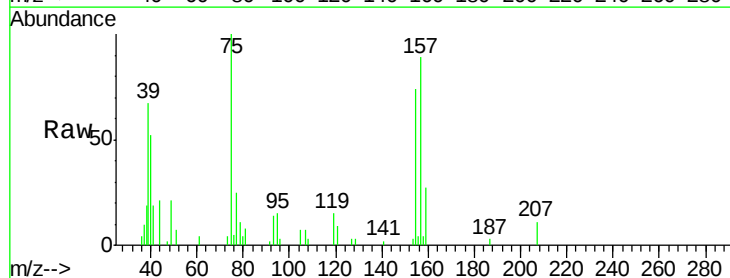
Manual Integrations
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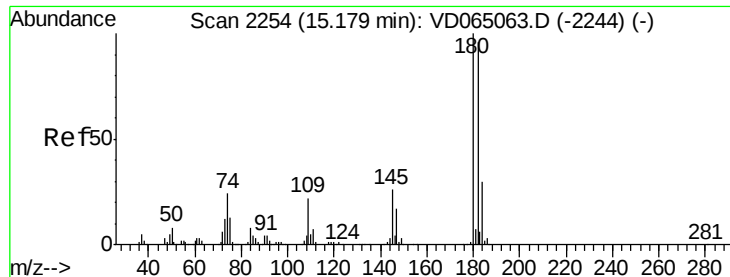
MMDadoda
 2/13/2020 10:58:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.154 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	43.4	130.1
157	104.6	55.8	167.3





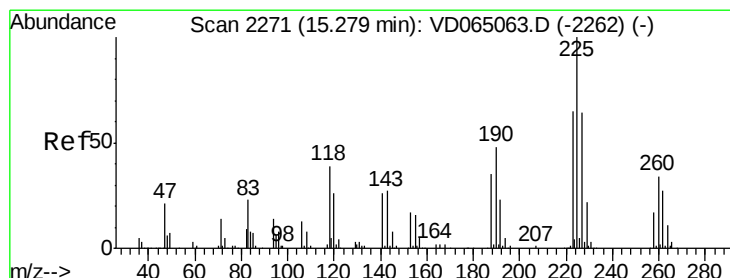
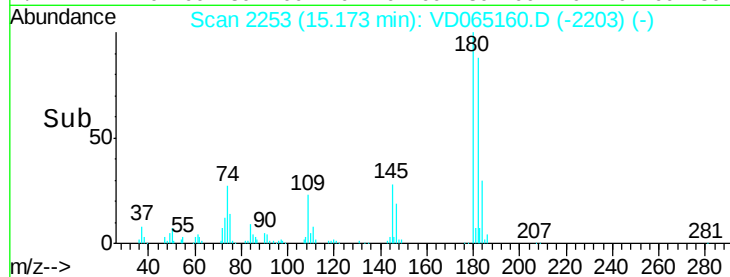
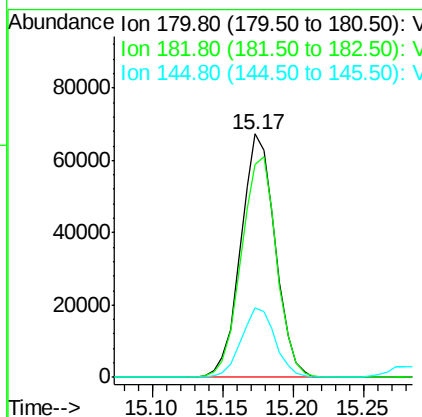
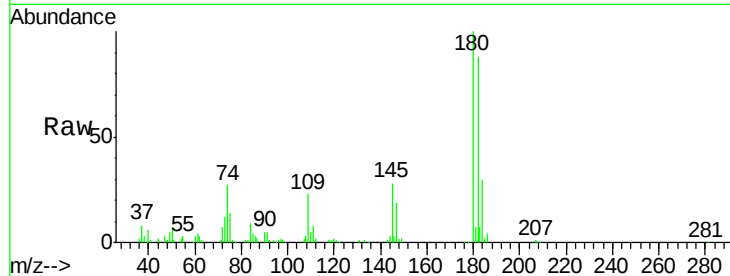
#93
 1,2,4-Trichlorobenzene
 Concen: 20.016 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114653		
182	93.1	47.4	142.3	
145	28.1	14.1	42.4	

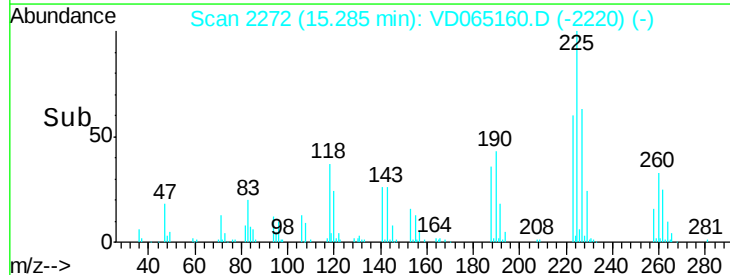
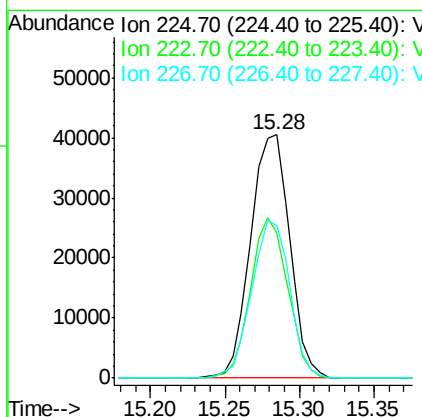
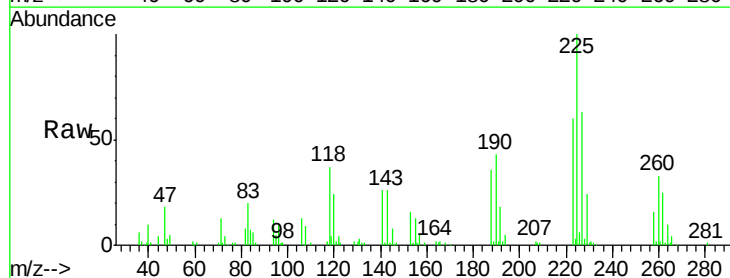
Manual Integrations
 APPROVED

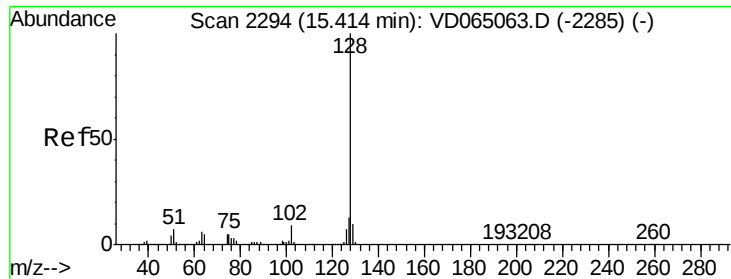
MMDadoda
 2/13/2020 10:58:59 AM



#94
 Hexachlorobutadiene
 Concen: 20.870 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065160.D
 Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73506		
223	62.6	31.4	94.0	
227	63.1	31.8	95.3	





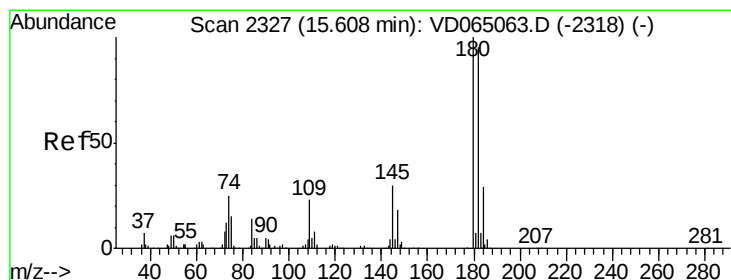
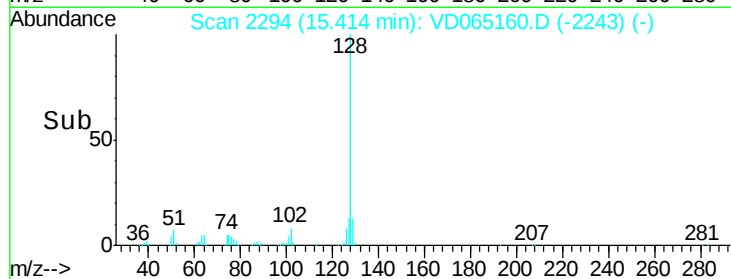
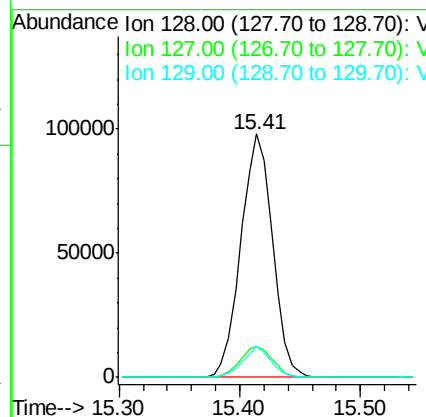
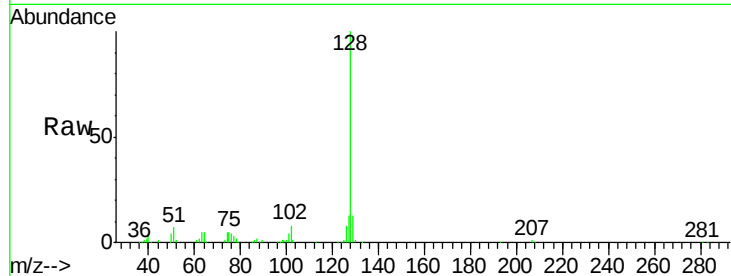
#95
Naphthalene
Concen: 18.854 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179503		
127	13.0		10.6	15.8
129	11.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.690 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065160.D
Acq: 12 Feb 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101375		
182	92.1		47.1	141.4
145	28.9		14.9	44.9

