

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065320.D
 Acq On : 26 Feb 2020 11:29
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:21 AM

Quant Time: Feb 27 08:10:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210194	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.91	113	223939	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	881333	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	284552	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72705	18.293	ug/l	99
3) Chloromethane	2.21	50	97416	19.257	ug/l	97
4) Vinyl Chloride	2.35	62	95939	18.650	ug/l	96
5) Bromomethane	2.76	94	59877	19.252	ug/l	94
6) Chloroethane	2.92	64	61555	19.604	ug/l	99
7) Trichlorofluoromethane	3.27	101	150532	20.440	ug/l	97
8) Diethyl Ether	3.70	74	44819	20.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98107	21.095	ug/l	98
10) Methyl Iodide	4.29	142	89560	18.547	ug/l	99
11) Tert butyl alcohol	5.24	59	20882	81.976	ug/l	99
12) 1,1-Dichloroethene	4.06	96	89162	20.295	ug/l	97
13) Acrolein	3.92	56	35621	96.158	ug/l	97
14) Allyl chloride	4.71	41	142112	19.919	ug/l	99
15) Acrylonitrile	5.43	53	97401	98.963	ug/l	99
16) Acetone	4.16	43	92406	88.677	ug/l	95
17) Carbon Disulfide	4.40	76	290830	19.745	ug/l	99
18) Methyl Acetate	4.72	43	50426	21.516	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	181267	19.785	ug/l	98
20) Methylene Chloride	4.96	84	113435	21.859	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	102611	20.545	ug/l	96
22) Diisopropyl ether	6.37	45	285720	20.774	ug/l	99
23) Vinyl Acetate	6.31	43	719301	94.866	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176070	20.639	ug/l	97
25) 2-Butanone	7.22	43	119976	90.999	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154297	20.846	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	107813	20.379	ug/l	98
28) Bromochloromethane	7.55	49	58791	18.576	ug/l	100
29) Tetrahydrofuran	7.57	42	74896	96.953	ug/l	99
30) Chloroform	7.71	83	176752	20.565	ug/l	97
31) Cyclohexane	7.98	56	169492	20.221	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	161627	21.019	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142453	21.053	ug/l	99
37) Ethyl Acetate	7.30	43	55505	19.623	ug/l	99
38) Carbon Tetrachloride	8.10	117	145105	21.066	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164065	20.625	ug/l	97
40) Benzene	8.35	78	405631	21.239	ug/l	99
41) Methacrylonitrile	7.54	41	30147	18.458	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104707	19.943	ug/l	98
43) Isopropyl Acetate	8.46	43	101200	19.674	ug/l	98
44) Trichloroethene	9.11	130	114611	21.649	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99879	21.032	ug/l	99
46) Dibromomethane	9.48	93	50464	20.653	ug/l	98
47) Bromodichloromethane	9.67	83	133890	20.792	ug/l	99
48) Methyl methacrylate	9.46	41	46730	19.654	ug/l	94
49) 1,4-Dioxane	9.47	88	10850	378.602	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	261453	100.075	ug/l	99
52) Toluene	10.41	92	259310	21.935	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122324	20.494	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	148970	20.669	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	72116	20.969	ug/l	89
56) Ethyl methacrylate	10.67	69	80078	20.173	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122380	20.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	122881	98.188	ug/l	99
59) 2-Hexanone	10.99	43	183911	98.338	ug/l	99
60) Dibromochloromethane	11.14	129	92753	21.071	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66364	20.380	ug/l	100
64) Tetrachloroethene	10.88	164	100056	22.133	ug/l	94
65) Chlorobenzene	11.67	112	276784	21.639	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	101348	21.233	ug/l	99
67) Ethyl Benzene	11.75	91	474372	21.175	ug/l	99
68) m/p-Xylenes	11.86	106	373982	43.634	ug/l	99
69) o-Xylene	12.18	106	161741	21.300	ug/l	100
70) Styrene	12.20	104	288850	21.426	ug/l	99
71) Bromoform	12.37	173	54234	20.476	ug/l #	100
73) Isopropylbenzene	12.48	105	449794	21.615	ug/l	99
74) N-amyl acetate	12.30	43	89695	19.398	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	76073	20.256	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51216m	19.151	ug/l	
77) Bromobenzene	12.77	156	112558	21.783	ug/l	98
78) n-propylbenzene	12.83	91	551940	22.072	ug/l	99
79) 2-Chlorotoluene	12.91	91	298261	21.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	371685	21.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24185	19.527	ug/l	93
82) 4-Chlorotoluene	13.01	91	318891	21.442	ug/l	98
83) tert-Butylbenzene	13.23	119	308699	21.490	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	372741	21.728	ug/l	100
85) sec-Butylbenzene	13.41	105	447617	21.625	ug/l	100
86) p-Isopropyltoluene	13.53	119	416458	22.001	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	213187	21.341	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205232	20.816	ug/l	97
89) n-Butylbenzene	13.86	91	378075	21.675	ug/l	99
90) Hexachloroethane	14.12	117	82777	21.537	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	182097	21.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12310	21.270	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119708	21.336	ug/l	99
94) Hexachlorobutadiene	15.28	225	78953	21.937	ug/l	99
95) Naphthalene	15.41	128	182000	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104628	21.352	ug/l	99

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

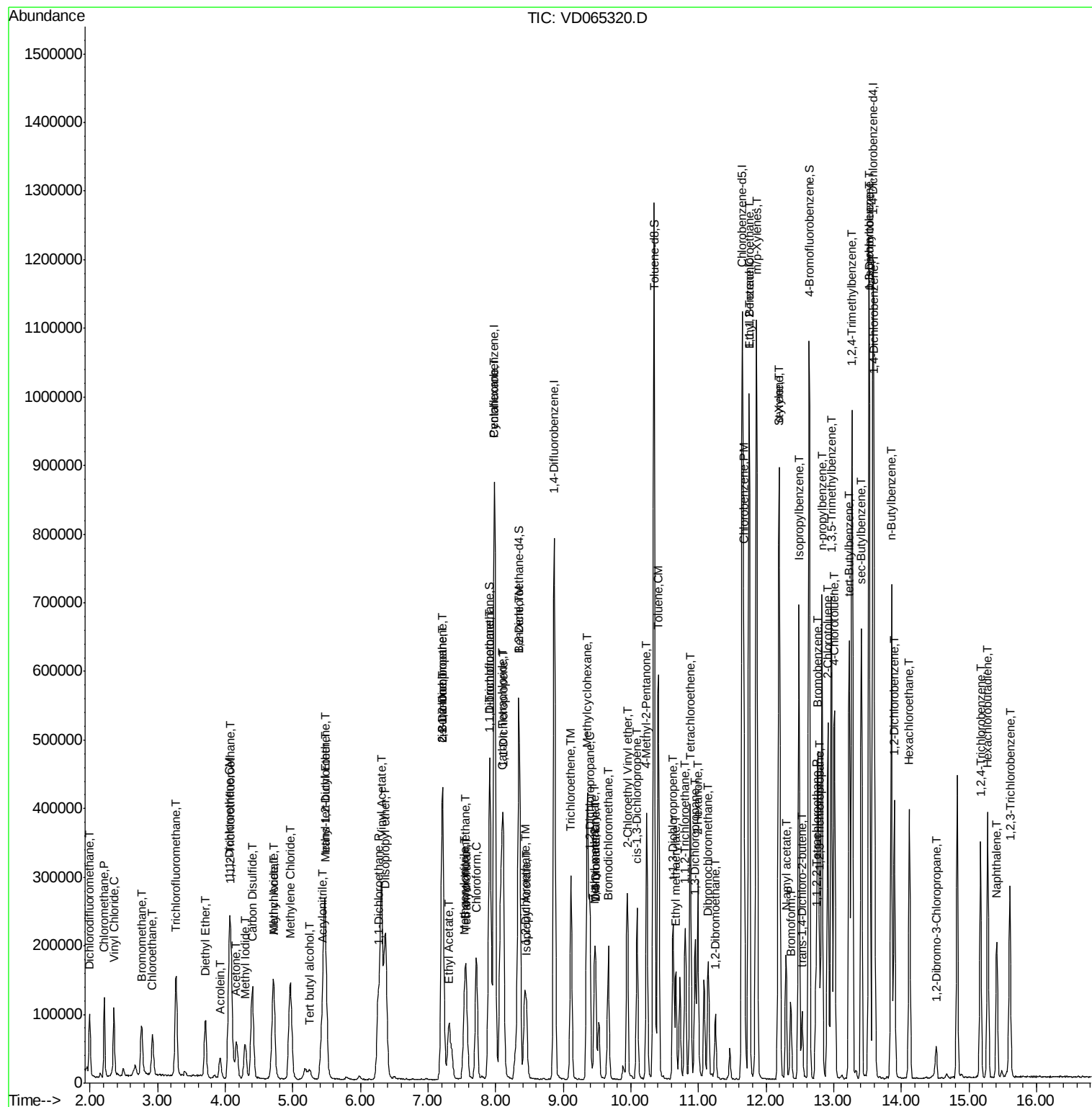
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022620\
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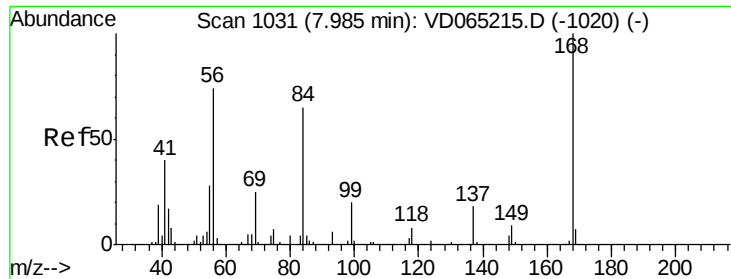
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion:168 Resp: 473858

Ion Ratio Lower Upper

168 100

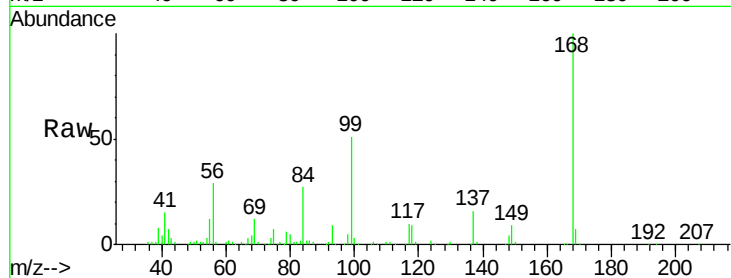
99 50.2 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

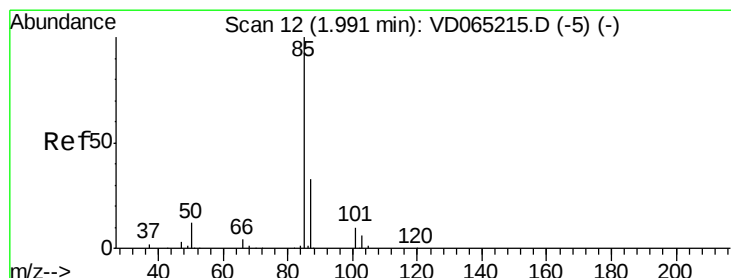
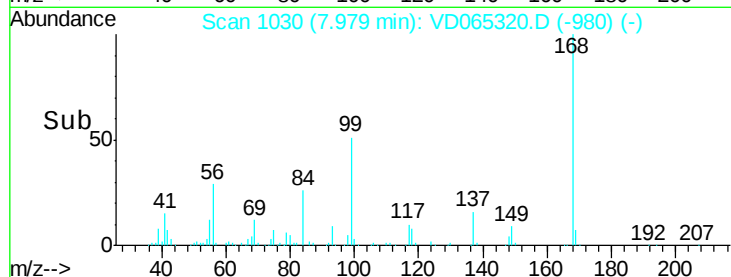
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.293 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065320.D

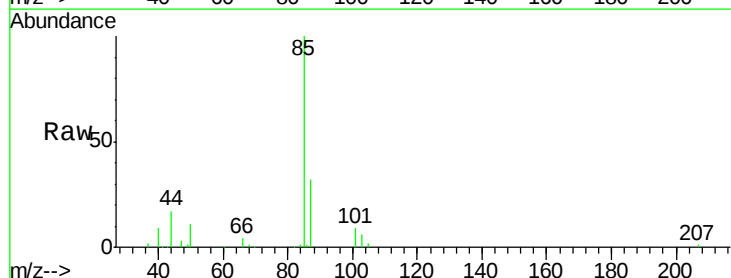
Acq: 26 Feb 2020 11:29

Tgt Ion: 85 Resp: 72705

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

20000

10000

0

1.90

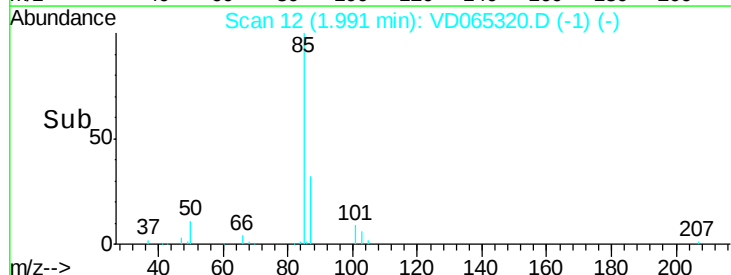
1.95

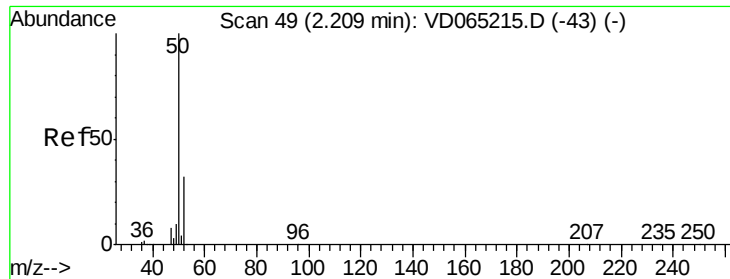
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.257 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 50 Resp: 97416

Ion Ratio Lower Upper

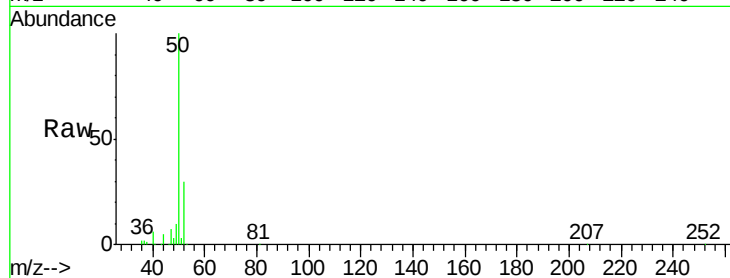
50 100

52 30.4 25.5 38.3

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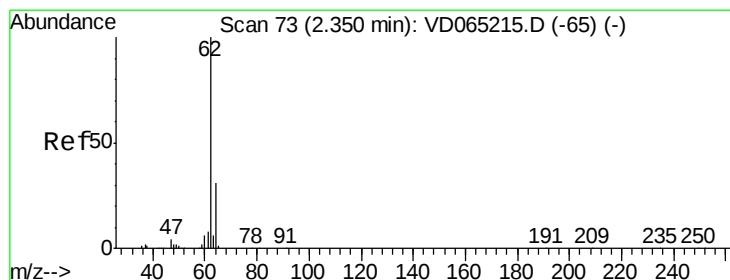
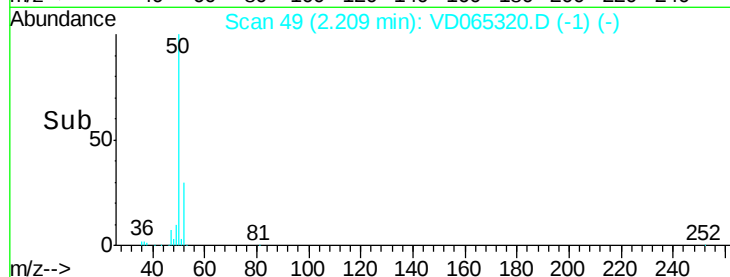
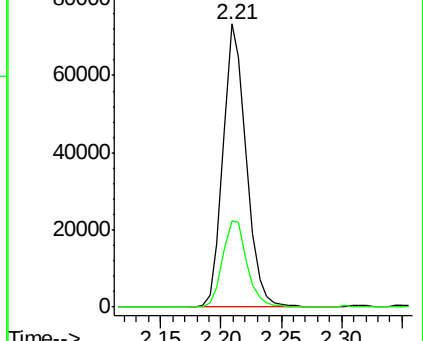
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.650 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065320.D

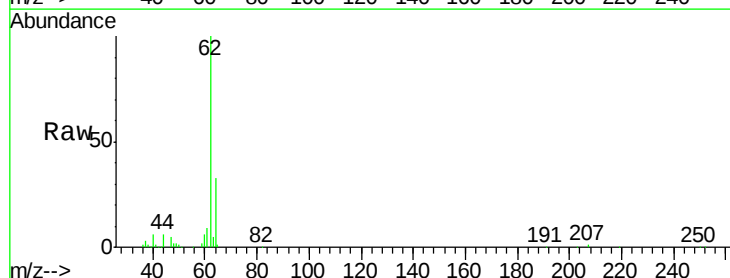
Acq: 26 Feb 2020 11:29

Tgt Ion: 62 Resp: 95939

Ion Ratio Lower Upper

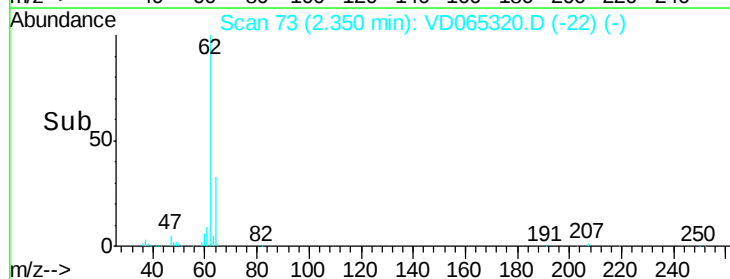
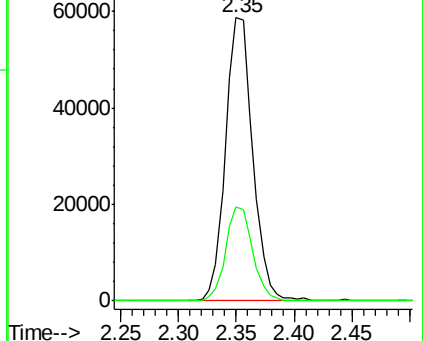
62 100

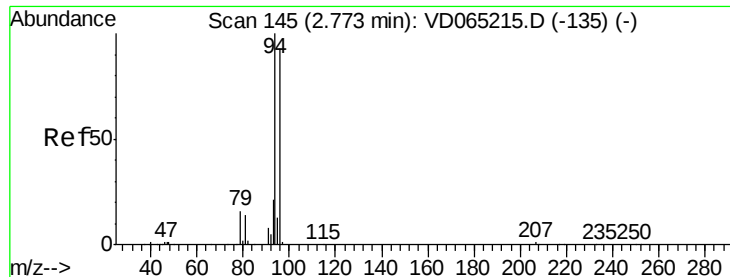
64 33.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.252 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

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Tot Ion: 94 Resp: 59877

Ion Ratio Lower Upper

94 100

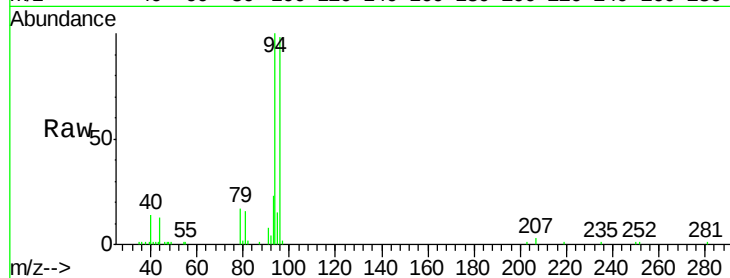
96 98.1 74.2 111.4

Manual Integrations

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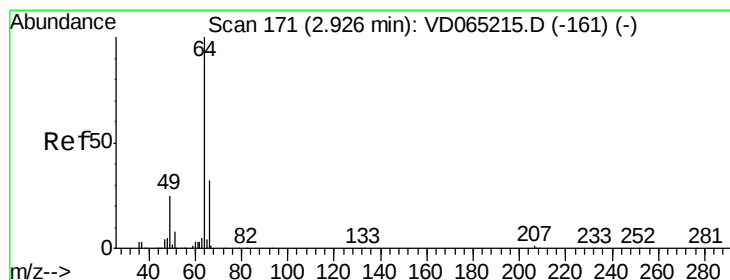
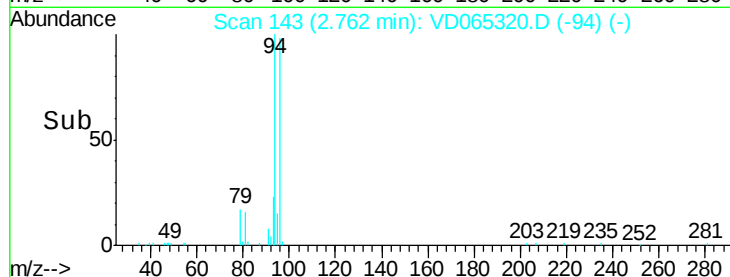
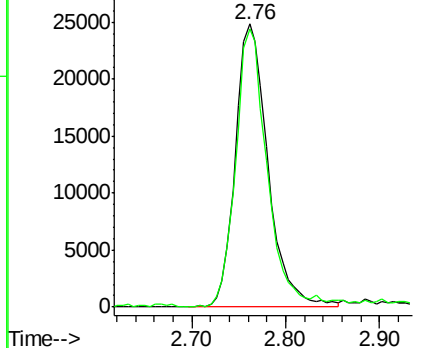
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.604 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065320.D

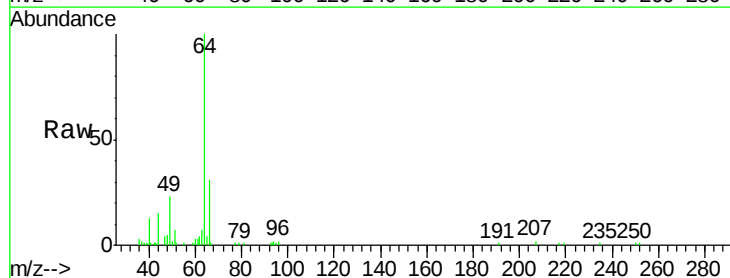
Acq: 26 Feb 2020 11:29

Tgt Ion: 64 Resp: 61555

Ion Ratio Lower Upper

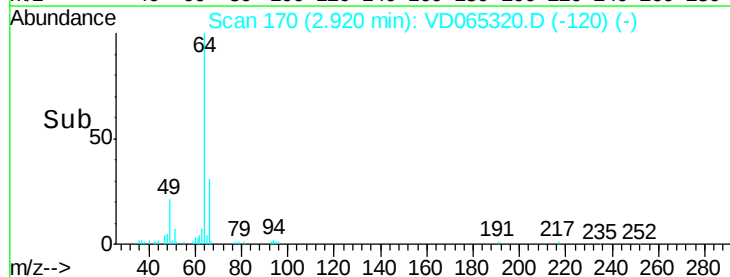
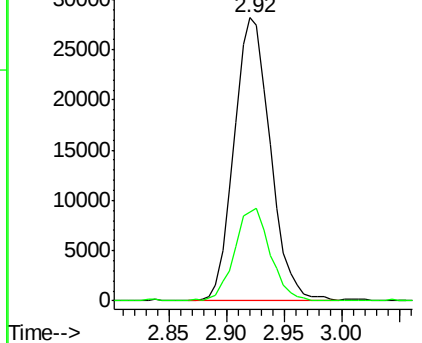
64 100

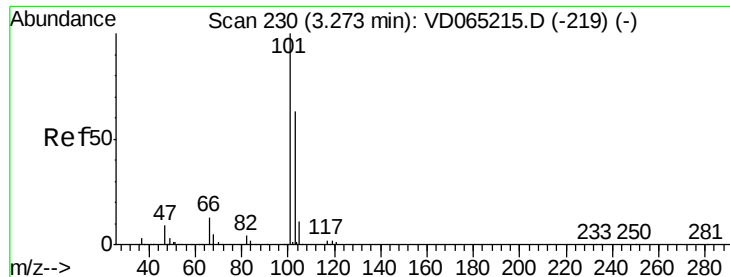
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

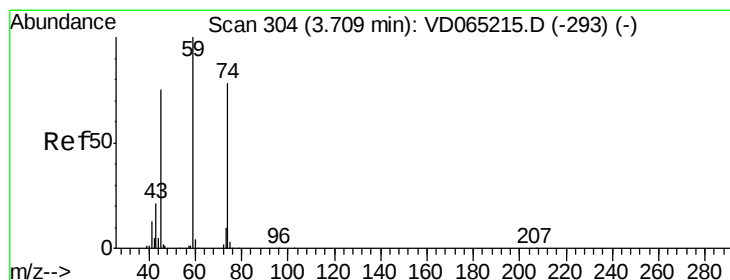
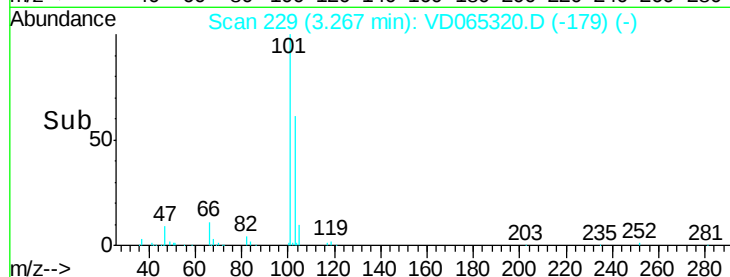
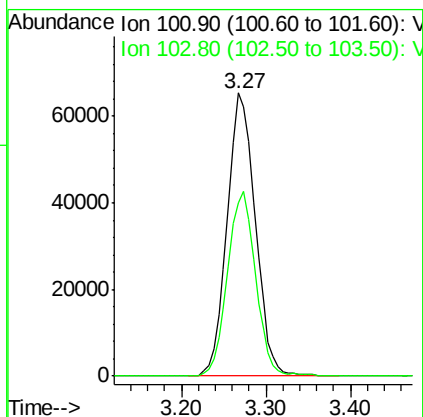
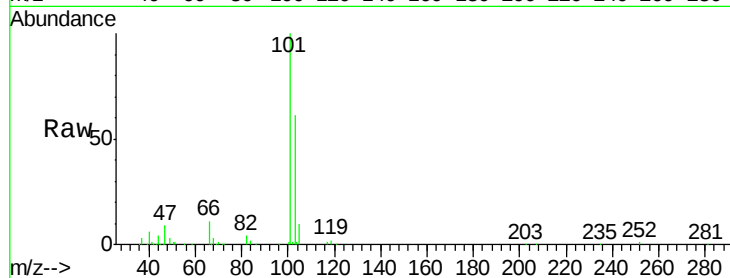
Trichlorofluoromethane
Concen: 20.440 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065320.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	150532		
103	61.2	50.7	76.1	

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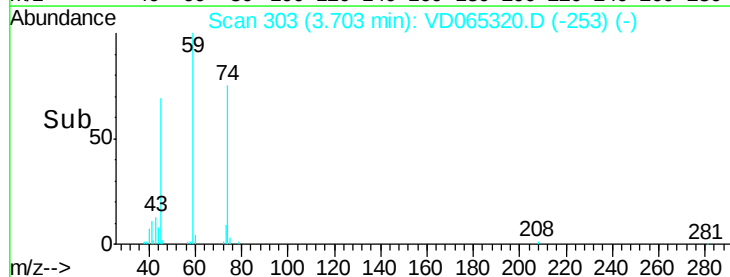
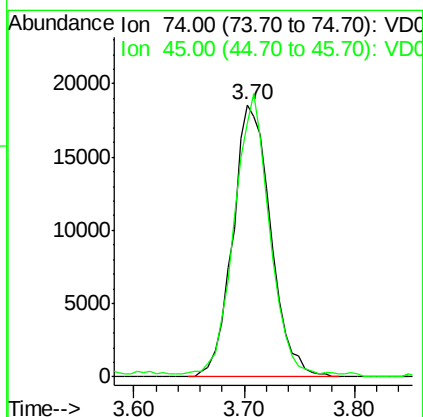
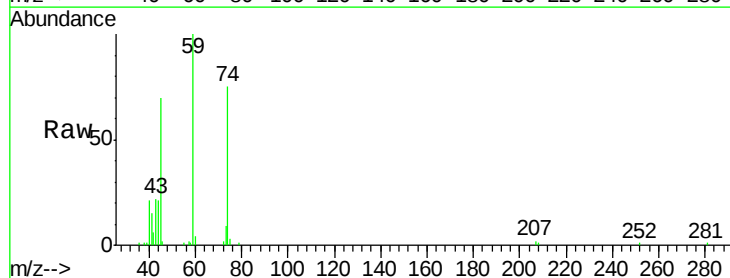
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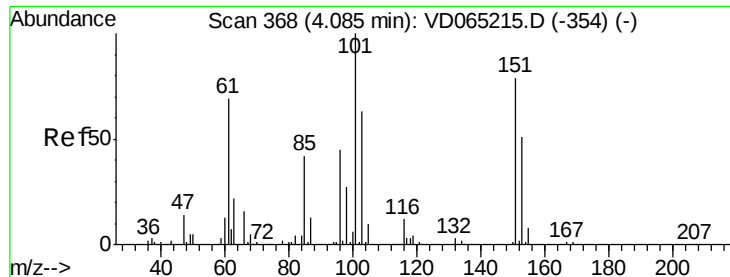


#8

Diethyl Ether
Concen: 20.161 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44819		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.095 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

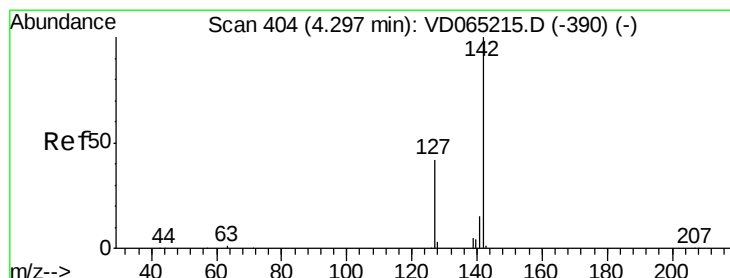
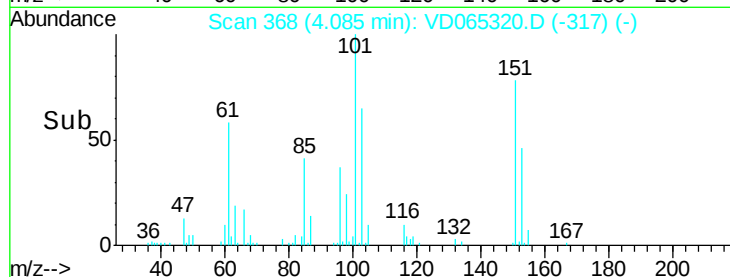
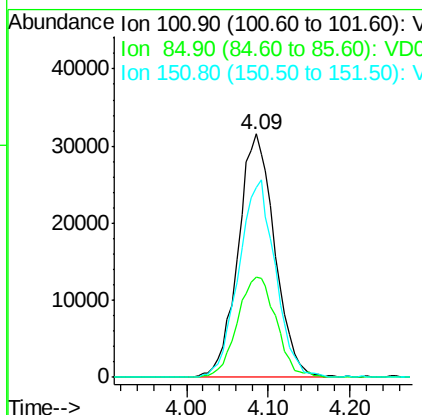
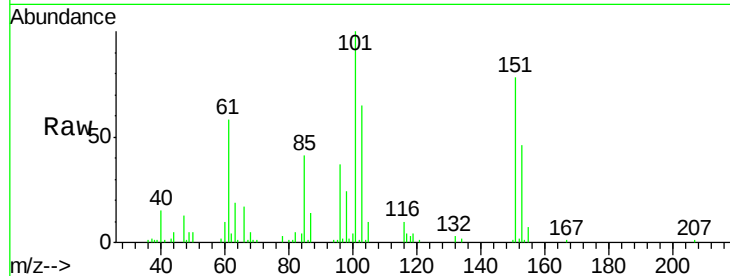
ClientSampleId :

VD0226SBS01

Tot Ion:	101	Resp:	98107
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.2
151	81.4	63.5	95.3

Manual Integrations
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2/27/2020 11:39:21 AM



#10

Methyl Iodide

Concen: 18.547 ug/l

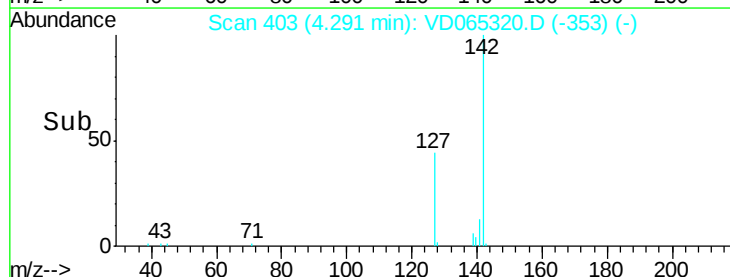
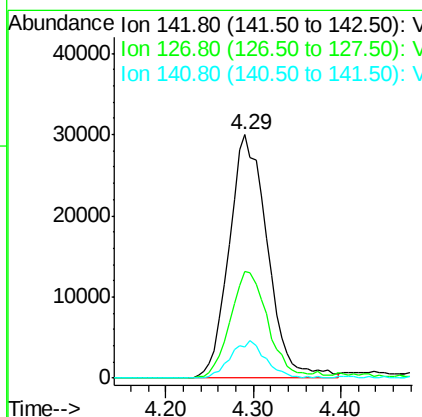
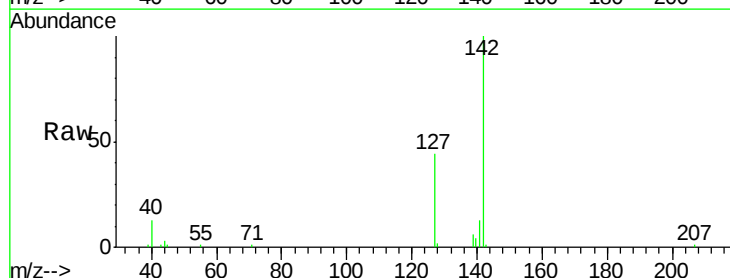
RT: 4.29 min Scan# 403

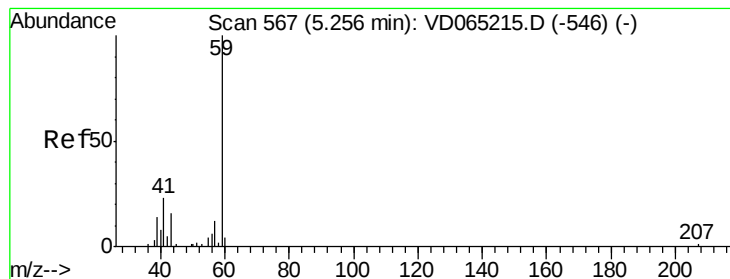
Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	142	Resp:	89560
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.8
141	13.9	11.7	17.5





#11

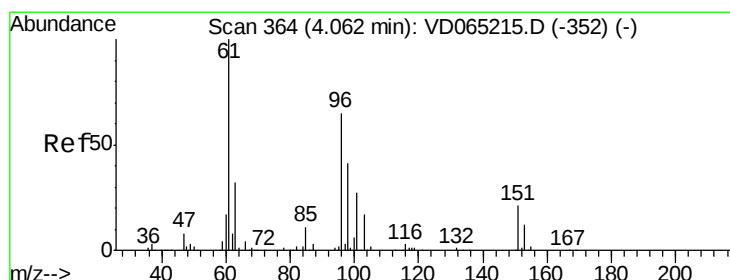
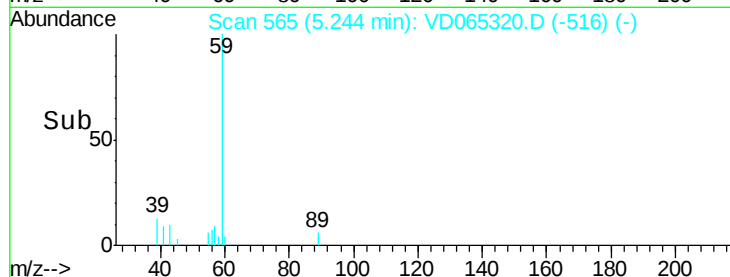
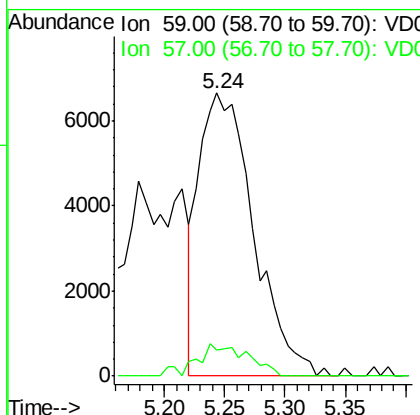
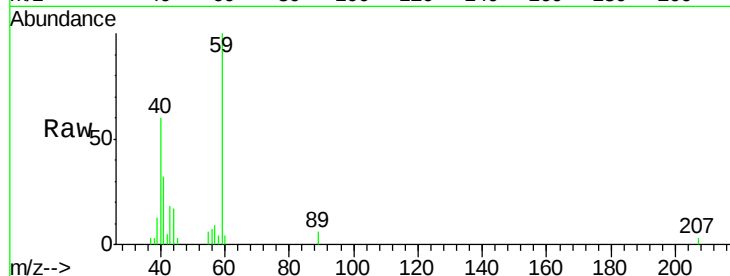
Tert butyl alcohol
Concen: 81.976 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
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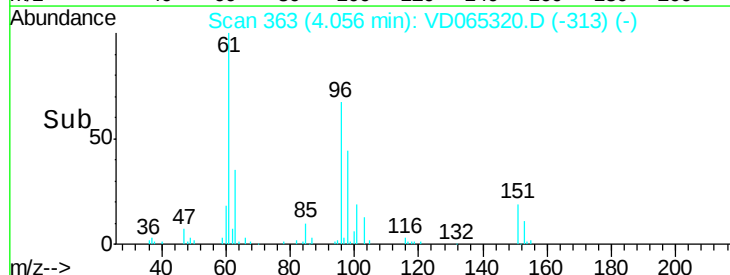
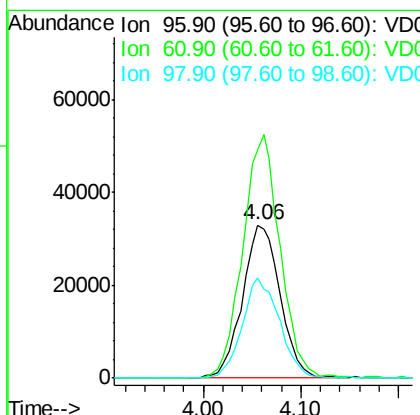
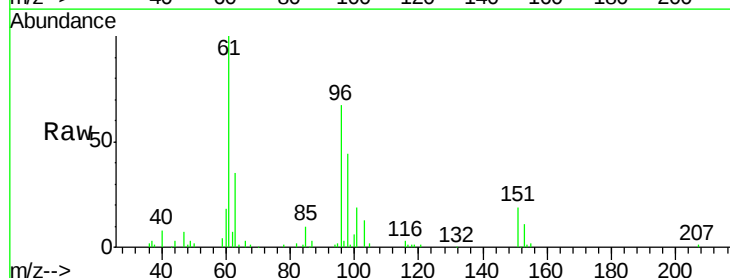
MMDadoda
2/27/2020 11:39:21 AM

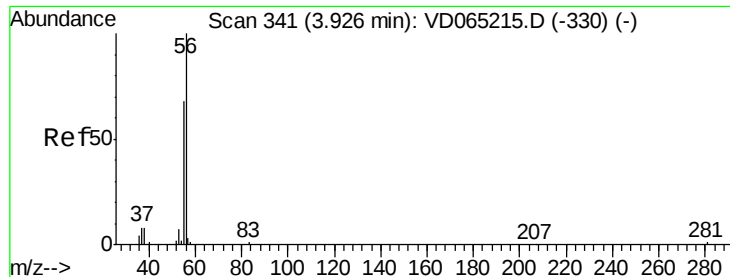


#12

1,1-Dichloroethene
Concen: 20.295 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	123.3	184.9
98	65.5	51.0	76.4





#13

Acrolein

Concen: 96.158 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 56 Resp: 35621

Ion Ratio Lower Upper

56 100

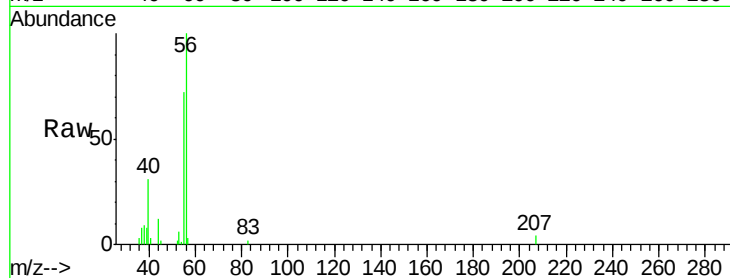
55 73.5 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

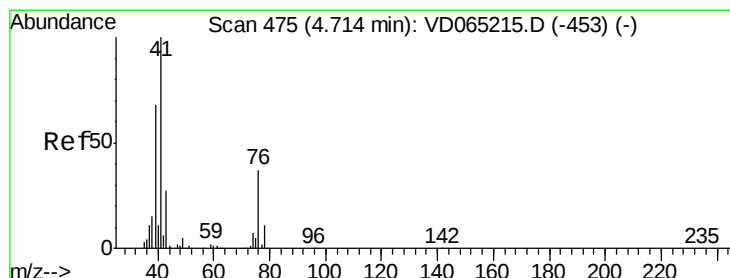
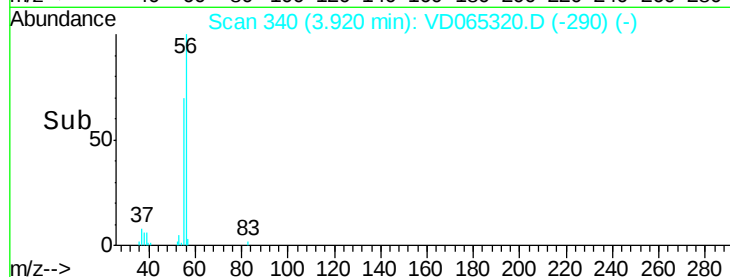
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.919 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

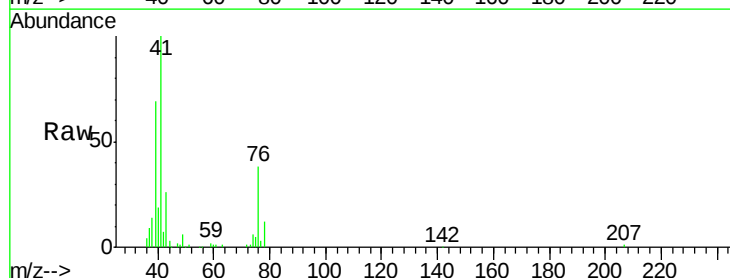
Tgt Ion: 41 Resp: 142112

Ion Ratio Lower Upper

41 100

39 65.9 53.8 80.6

76 36.5 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

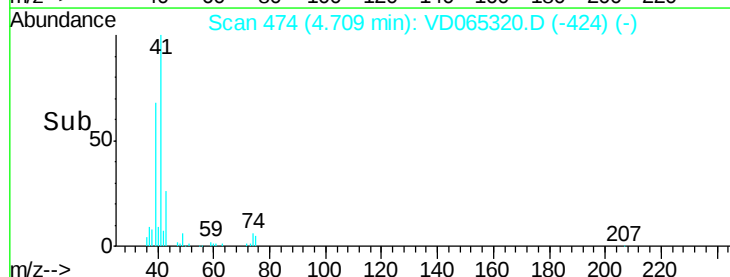
30000

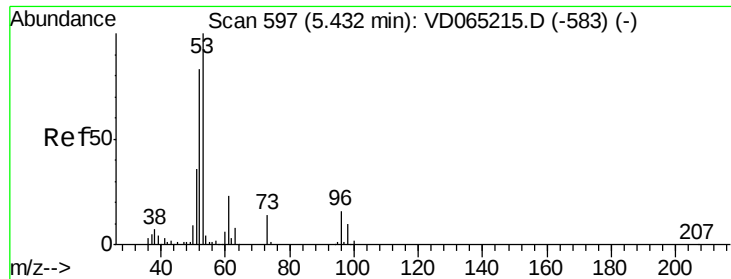
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 98.963 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

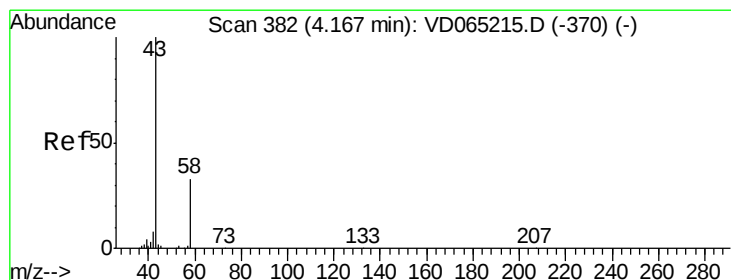
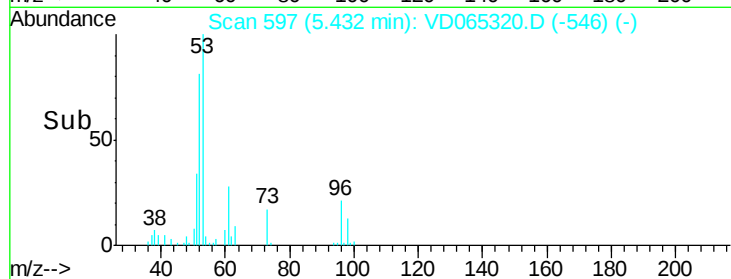
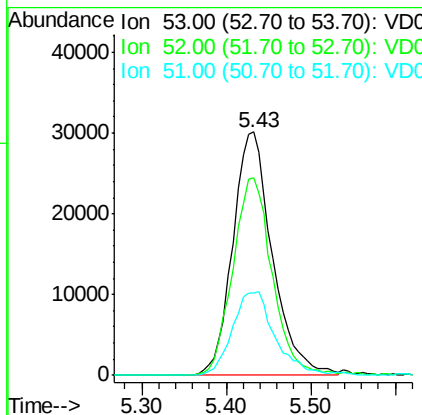
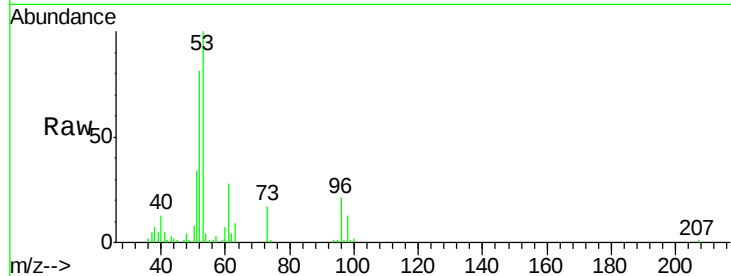
ClientSampleId :

VD0226SBS01

Tot Ion:	53	Resp:	97401
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.4	98.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 88.677 ug/l

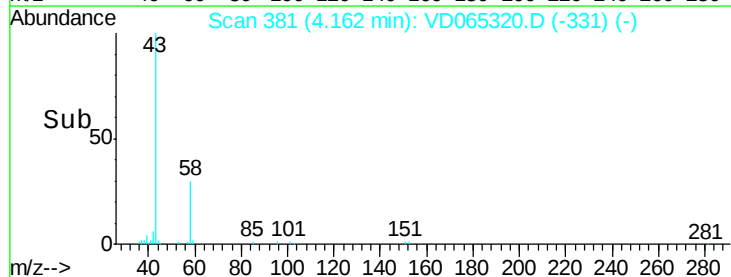
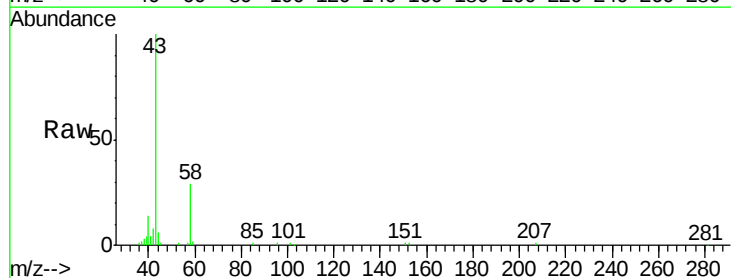
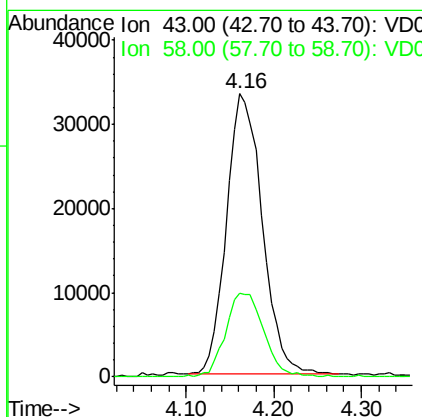
RT: 4.16 min Scan# 381

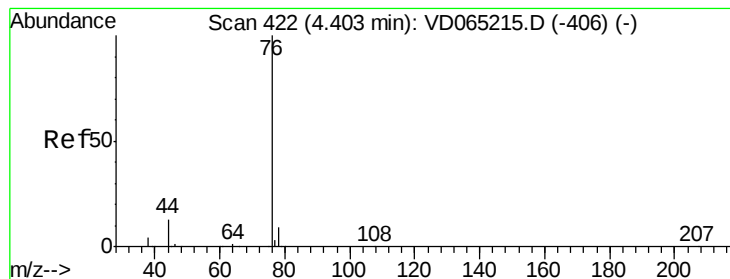
Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	43	Resp:	92406
Ion Ratio	Lower	Upper	
43	100		
58	29.7	26.2	39.2





#17

Carbon Disulfide

Concen: 19.745 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 76 Resp: 290830

Ion Ratio Lower Upper

76 100

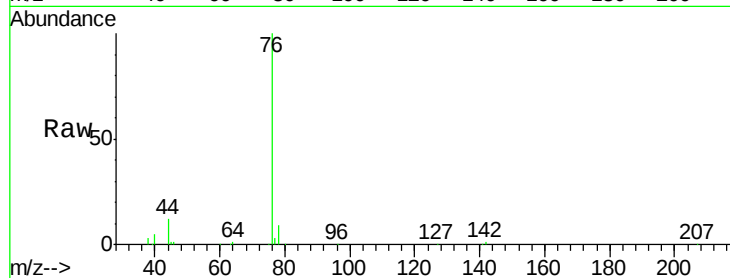
78 8.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

120000

100000

80000

60000

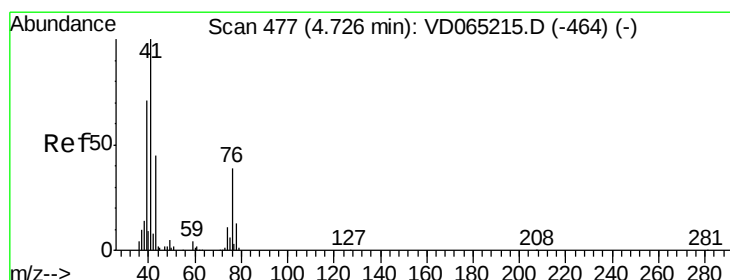
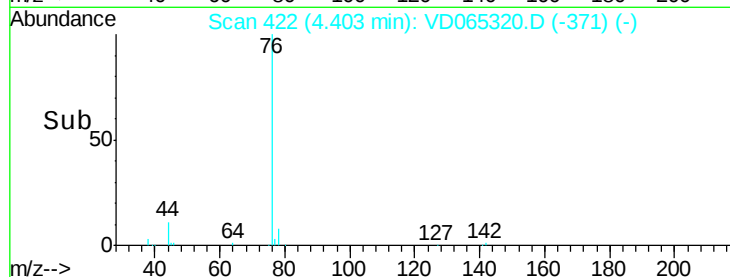
40000

20000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 21.516 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065320.D

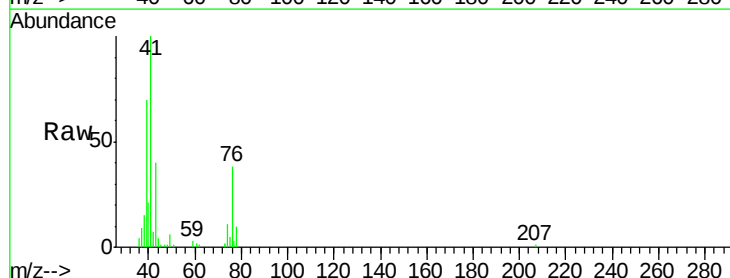
Acq: 26 Feb 2020 11:29

Tgt Ion: 43 Resp: 50426

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

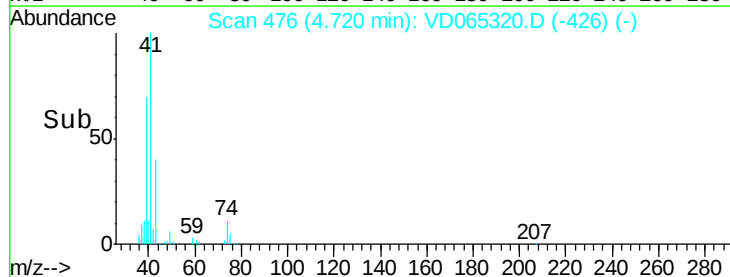
10000

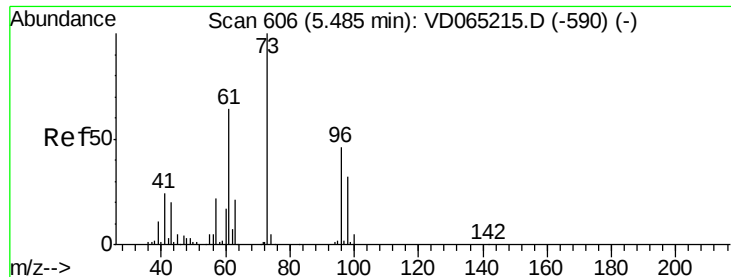
5000

0

4.60 4.70 4.80

Time-->





#19

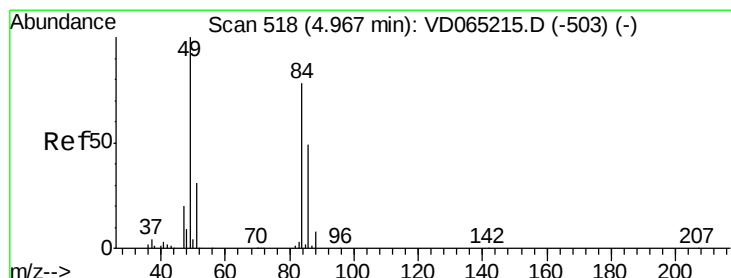
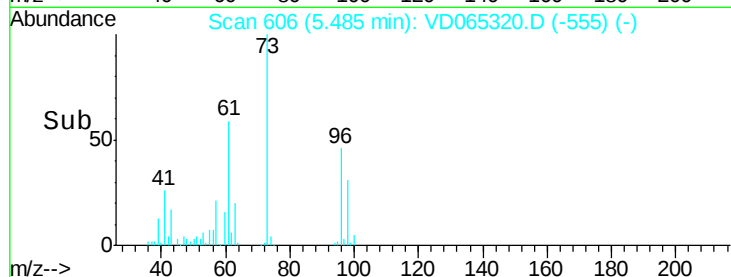
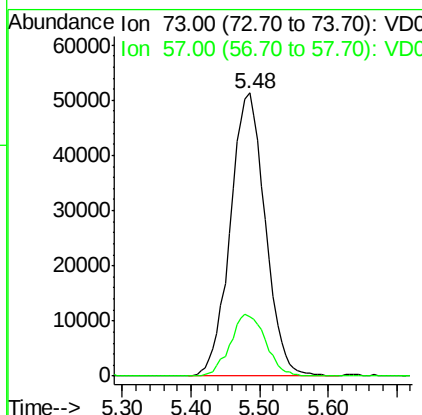
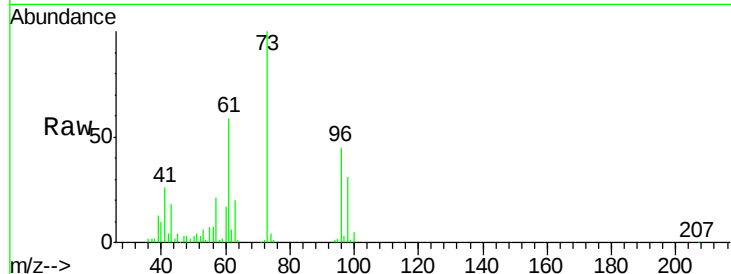
Methyl tert-butyl Ether
 Concen: 19.785 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	73	Resp	181267
Ion Ratio	100	Lower	Upper
57	20.9	17.3	25.9

Manual Integrations
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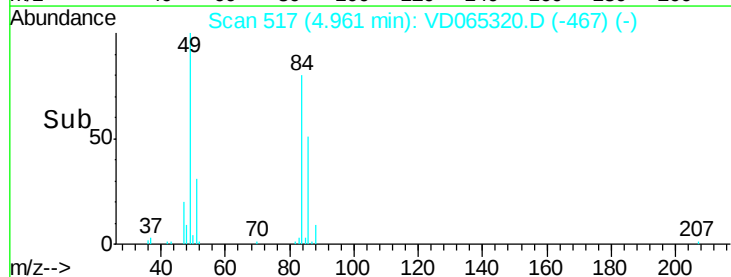
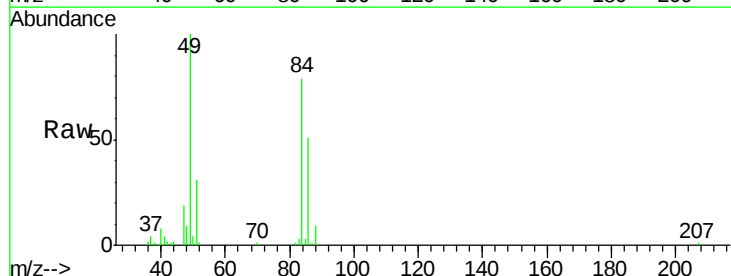
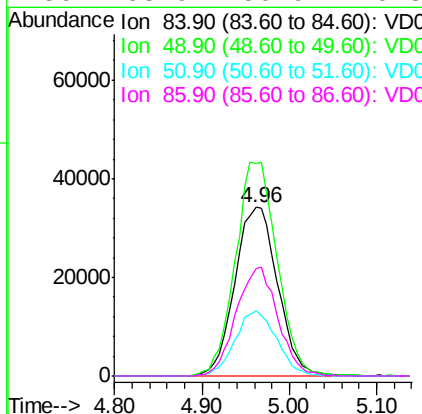
MMDadoda
 2/27/2020 11:39:21 AM

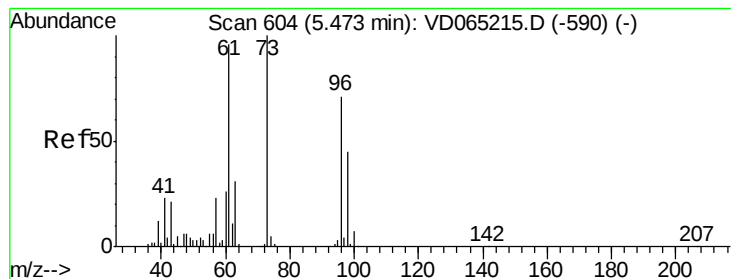


#20

Methylene Chloride
 Concen: 21.859 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	84	Resp	113435
Ion Ratio	100	Lower	Upper
49	126.3	103.1	154.7
51	38.6	31.7	47.5
86	63.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.545 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

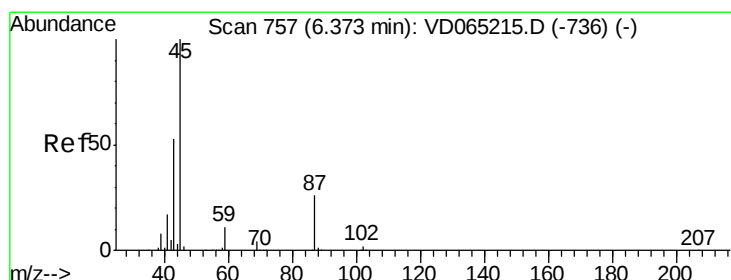
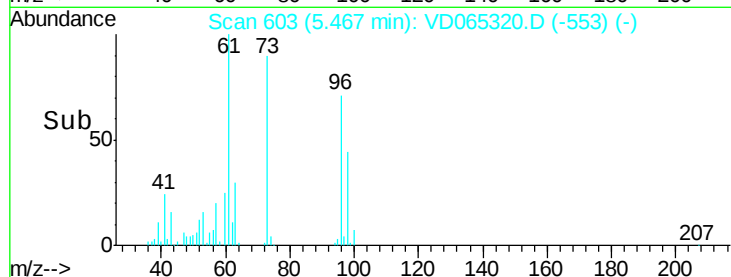
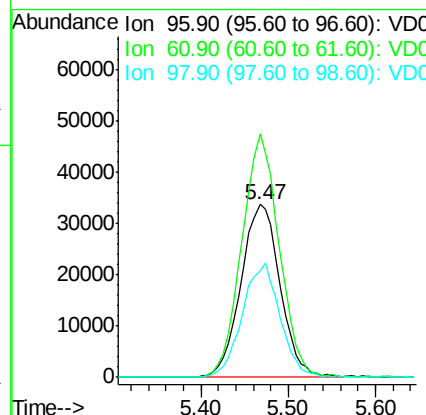
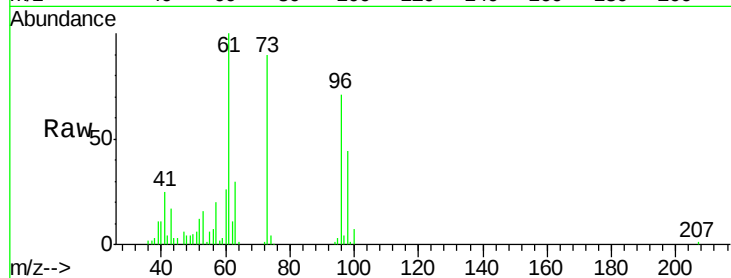
ClientSampleId :

VD0226SBS01

Tot Ion:	96	Resp:	102611
Ion Ratio	Lower	Upper	
96	100		
61	140.6	108.3	162.5
98	61.3	50.7	76.1

Manual Integrations
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MMDadoda
2/27/2020 11:39:21 AM



#22

Diisopropyl ether

Concen: 20.774 ug/l

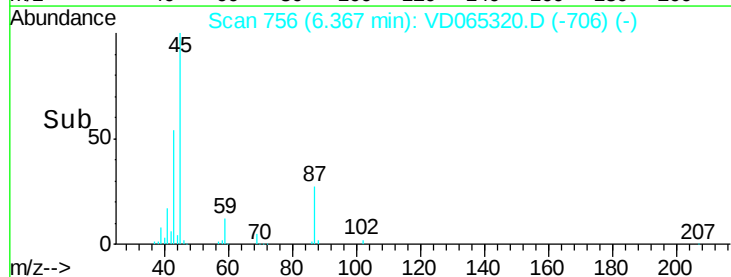
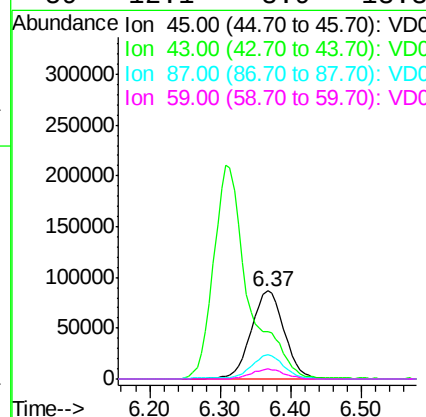
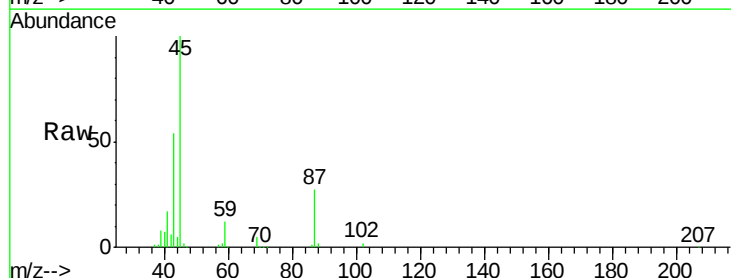
RT: 6.37 min Scan# 756

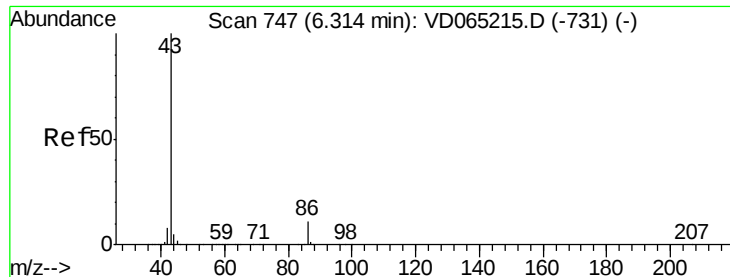
Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	45	Resp:	285720
Ion Ratio	Lower	Upper	
45	100		
43	53.0	42.6	64.0
87	27.4	21.2	31.8
59	12.1	8.9	13.3





#23

Vinyl Acetate

Concen: 94.866 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 43 Resp: 719301

Ion Ratio Lower Upper

43 100

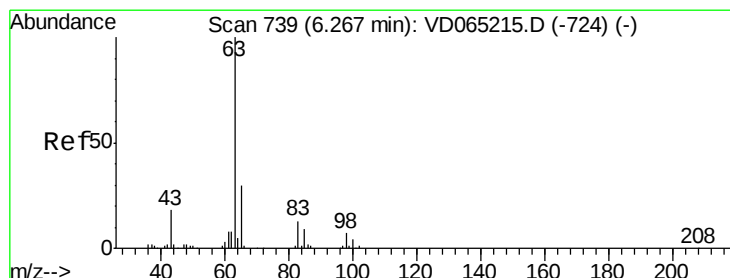
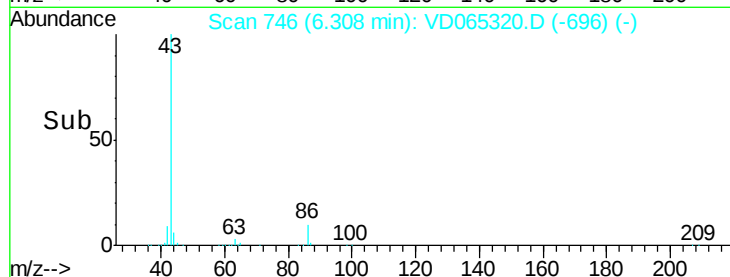
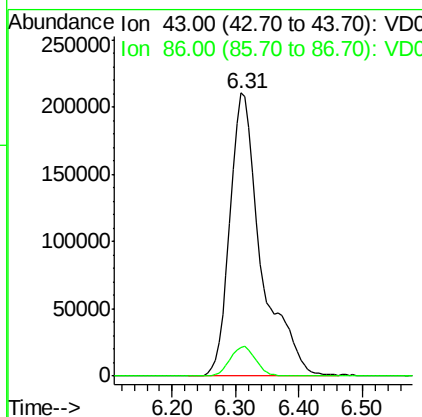
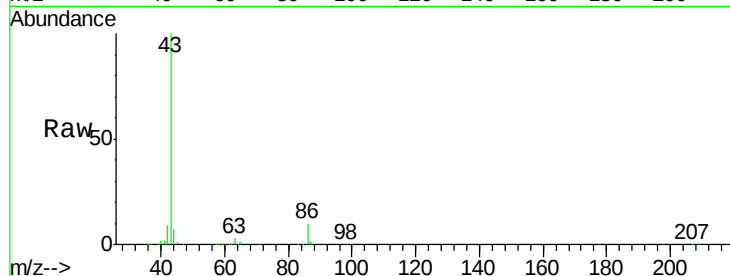
86 10.2 8.6 12.8

Manual Integrations

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MMDadoda

2/27/2020 11:39:21 AM



#24

1,1-Dichloroethane

Concen: 20.639 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

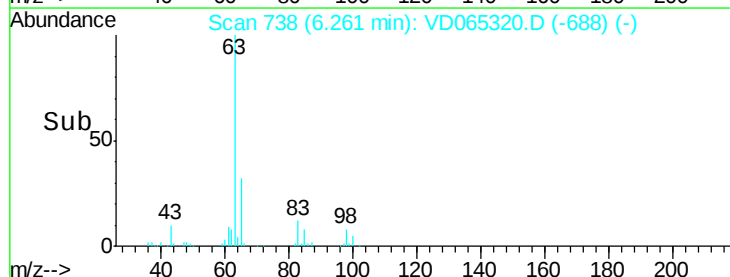
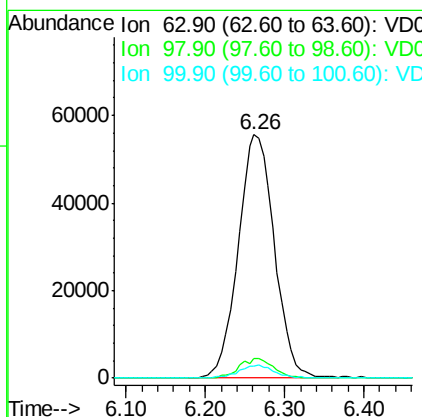
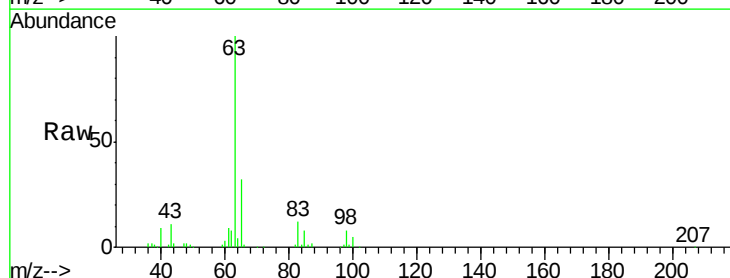
Tgt Ion: 63 Resp: 176070

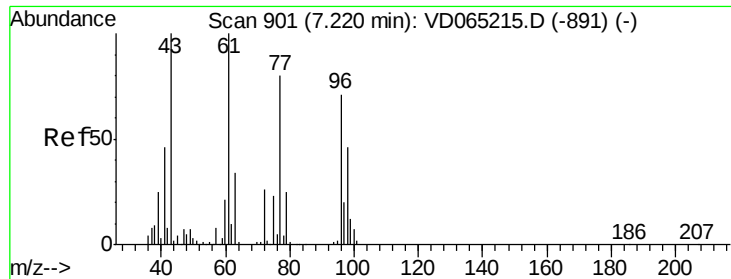
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 5.1 2.3 6.8





#25

2-Butanone

Concen: 90.999 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 43 Resp: 119976

Ion Ratio Lower Upper

43 100

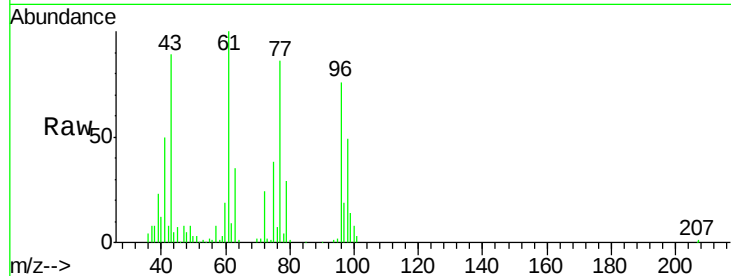
72 26.6 20.9 31.3

Manual Integrations

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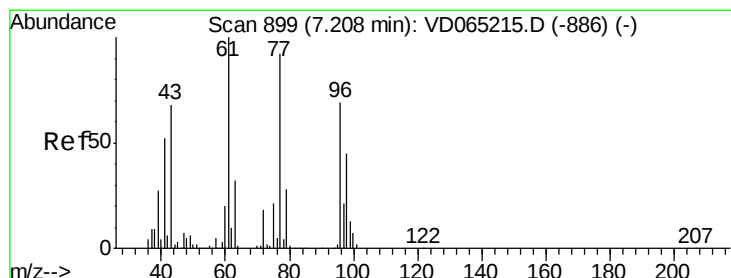
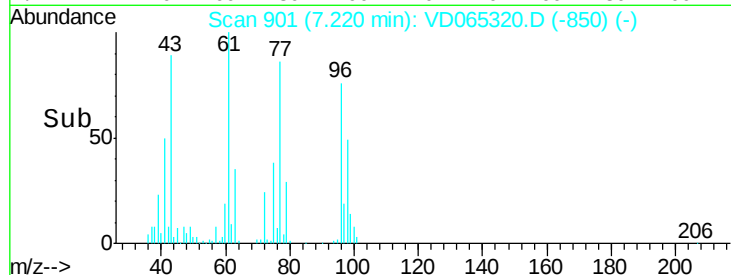
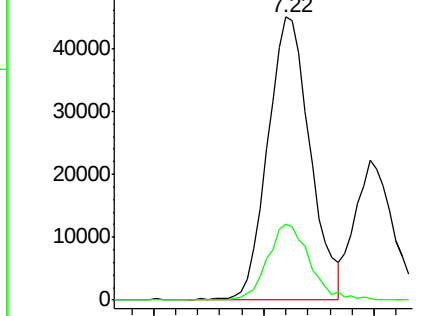
MMDadoda

2/27/2020 11:39:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.846 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065320.D

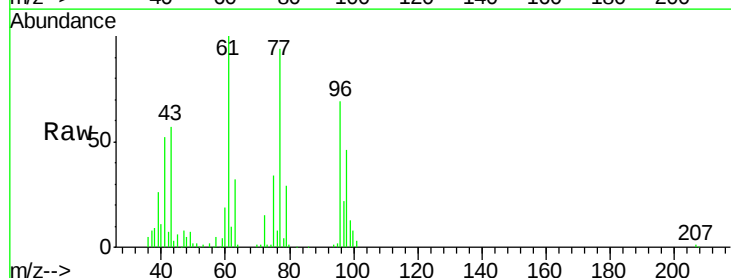
Acq: 26 Feb 2020 11:29

Tgt Ion: 77 Resp: 154297

Ion Ratio Lower Upper

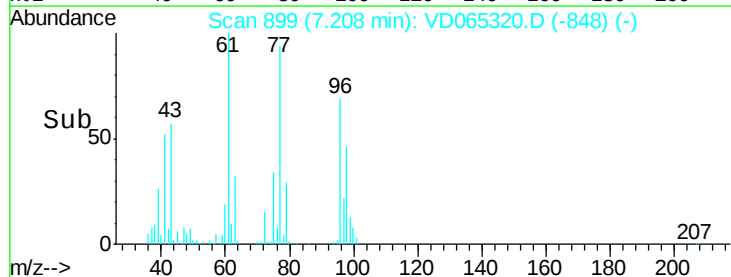
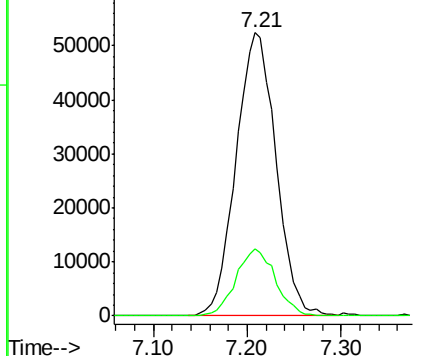
77 100

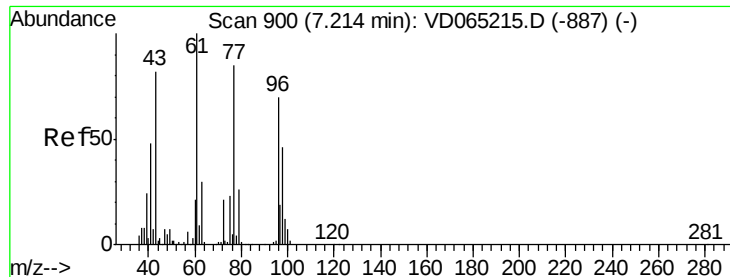
97 23.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

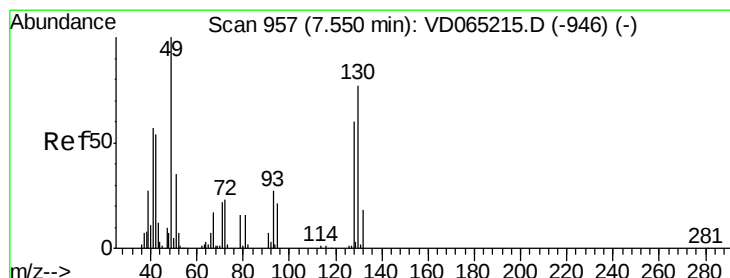
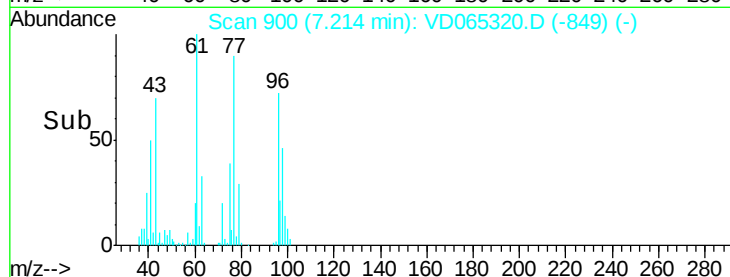
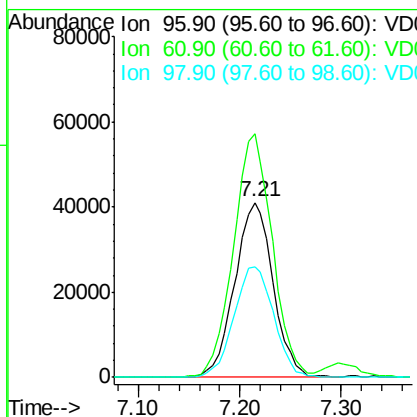
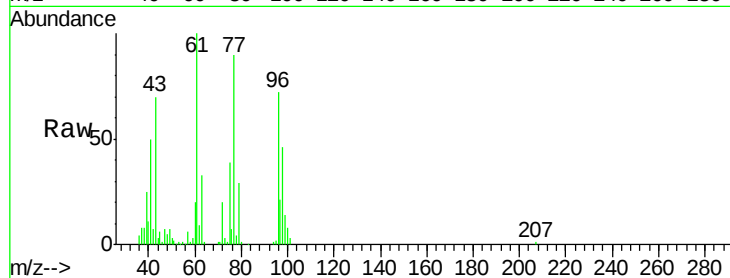
cis-1,2-Dichloroethene
Concen: 20.379 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107813		
61	141.1	0.0	286.0	
98	65.2	0.0	127.8	

Manual Integrations
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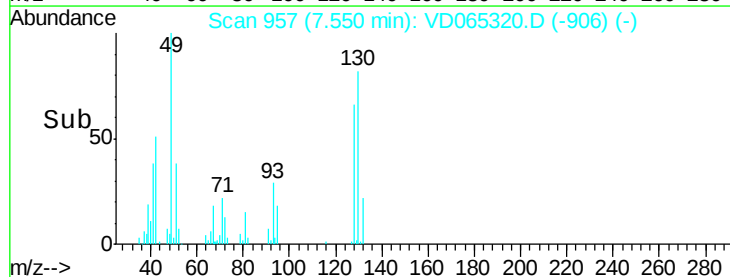
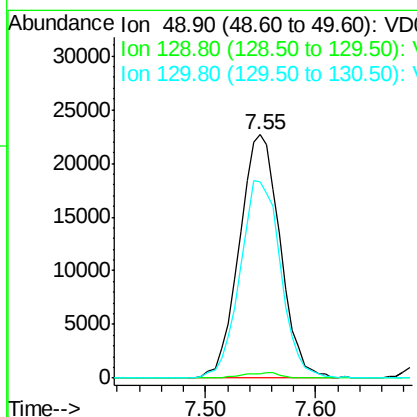
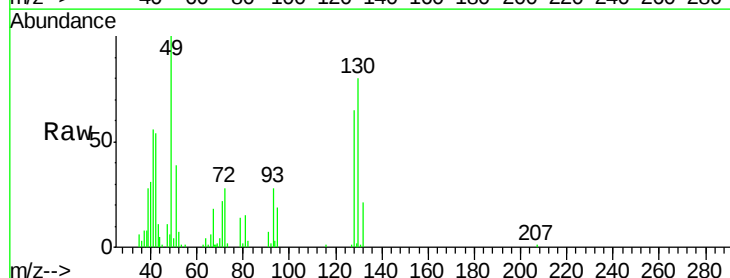
MMDadoda
2/27/2020 11:39:21 AM

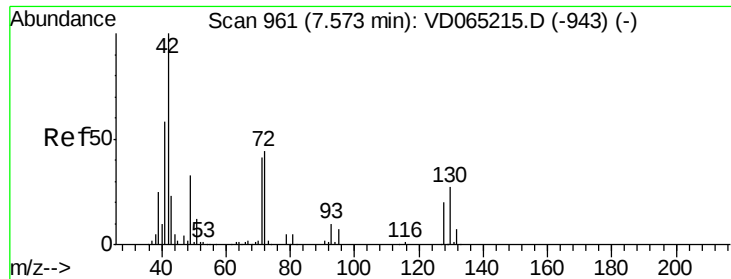


#28

Bromochloromethane
Concen: 18.576 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	58791		
129	2.0	0.0	4.6	
130	81.0	64.7	97.1	





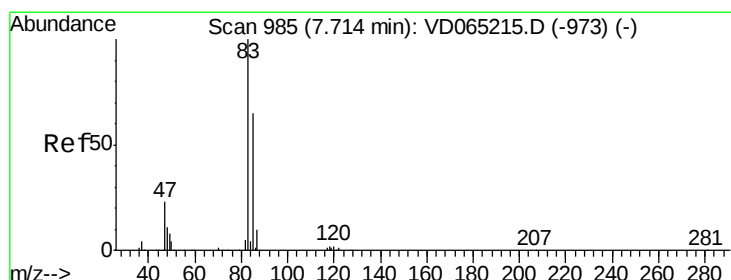
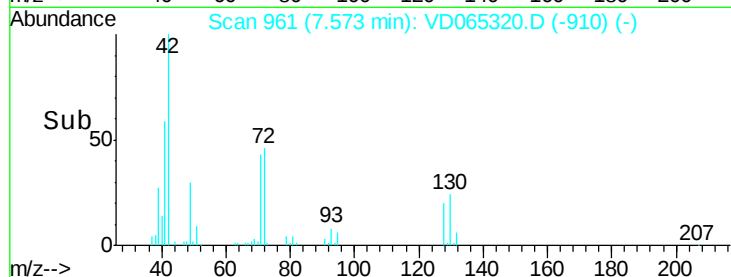
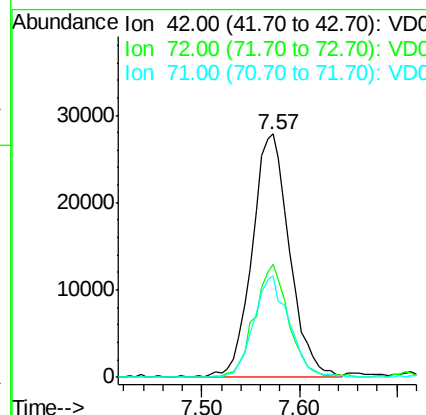
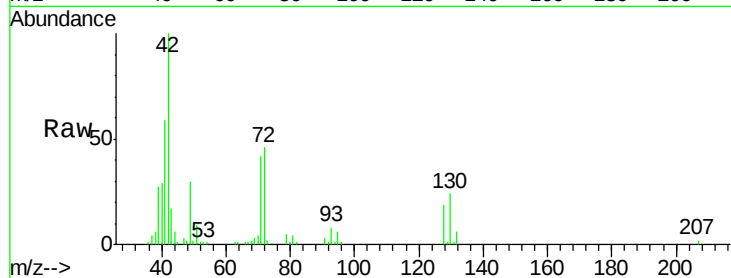
#29
Tetrahydrofuran
Concen: 96.953 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.9	31.4	47.2

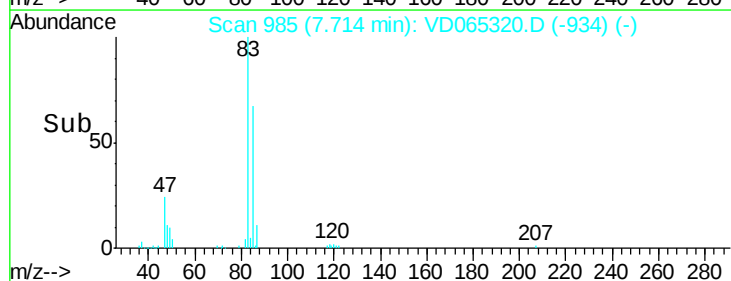
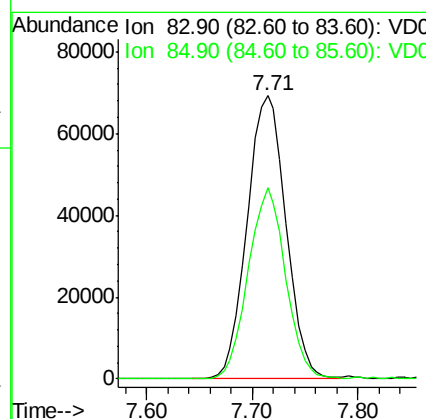
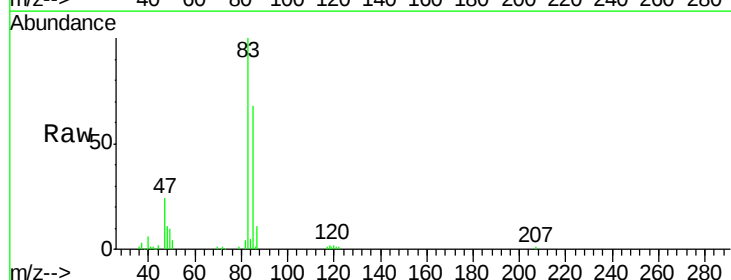
Manual Integrations
APPROVED

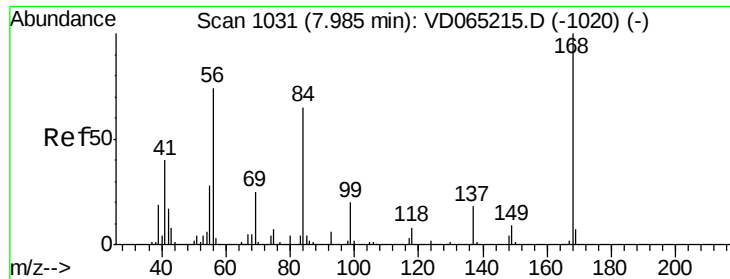
MMDadoda
2/27/2020 11:39:21 AM



#30
Chloroform
Concen: 20.565 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	52.3	78.5





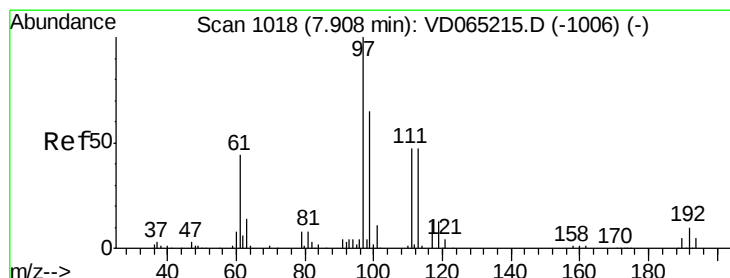
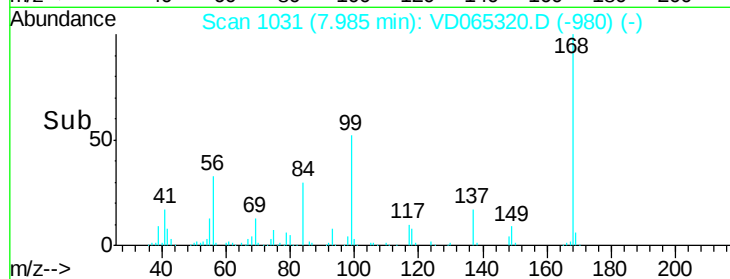
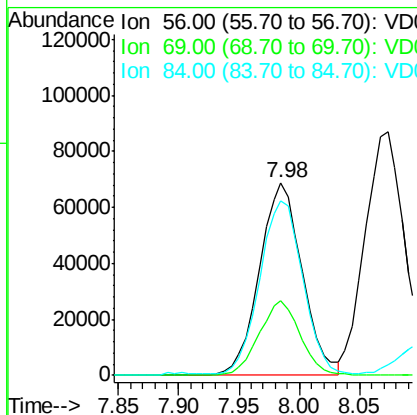
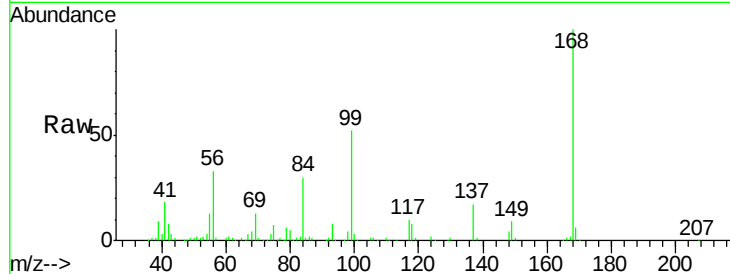
#31
Cyclohexane
Concen: 20.221 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		169492		
69	38.6	27.4	41.0		
84	89.5	71.1	106.7		

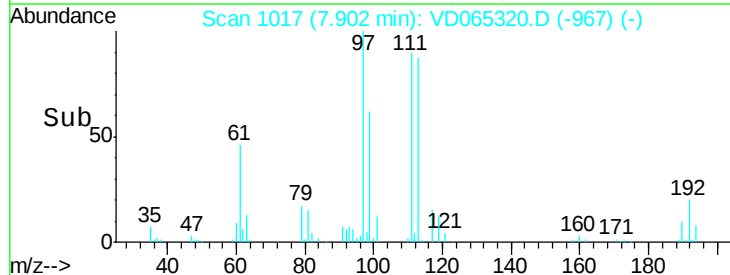
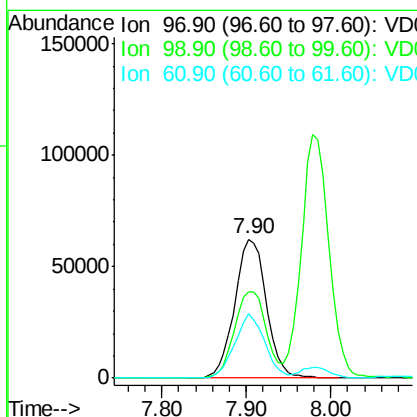
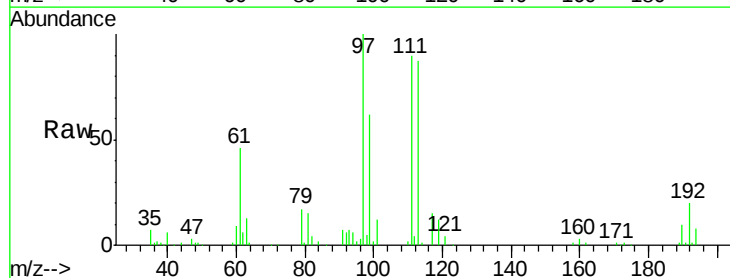
Manual Integrations
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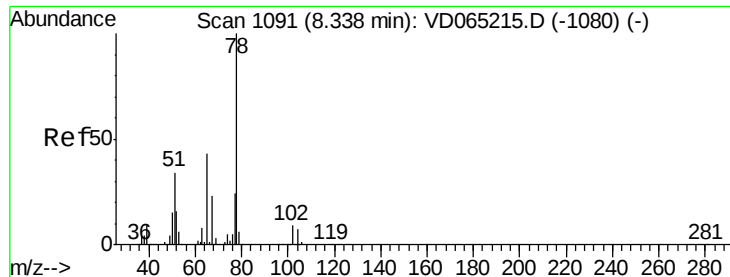
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.019 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		161627		
99	63.7	51.4	77.2		
61	43.4	34.8	52.2		





#33

1,2-Dichloroethane-d4

Concen: 49.308 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 65 Resp: 210194

Ion Ratio Lower Upper

65 100

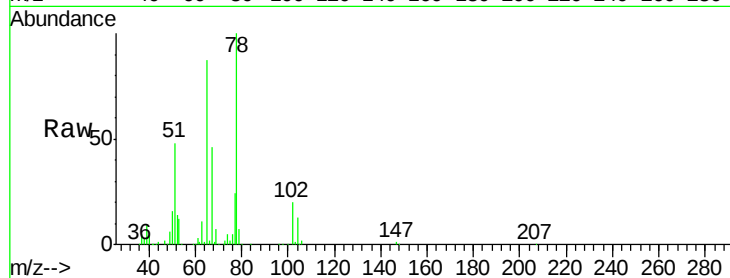
67 54.6 0.0 106.8

Manual Integrations

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MMDadoda

2/27/2020 11:39:21 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

100000

80000

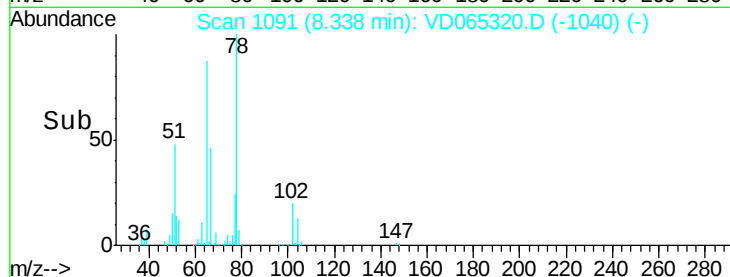
60000

40000

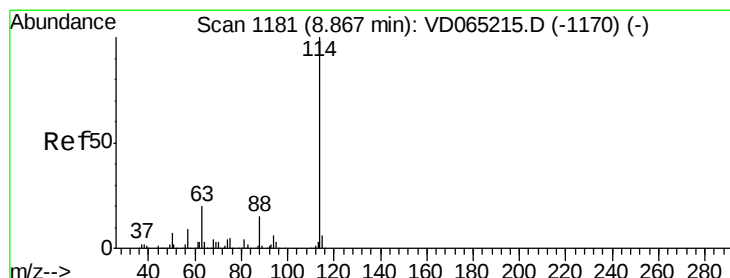
20000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

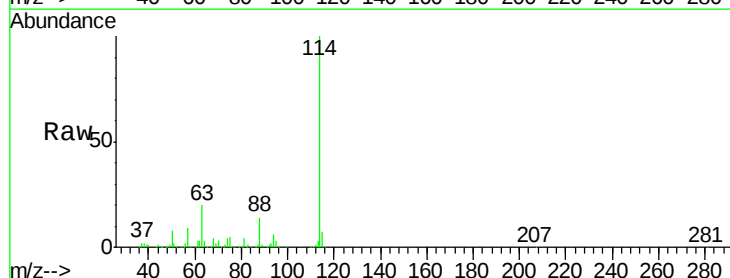
Tgt Ion: 114 Resp: 695401

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 14.5 0.0 30.4



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

400000

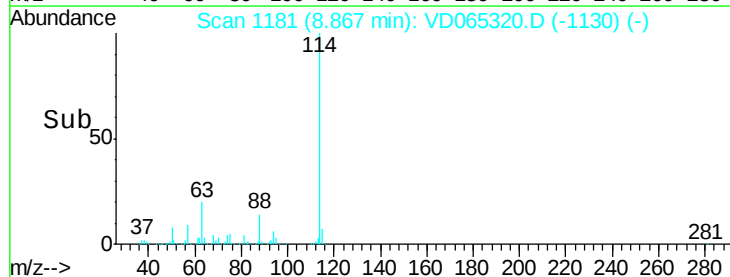
300000

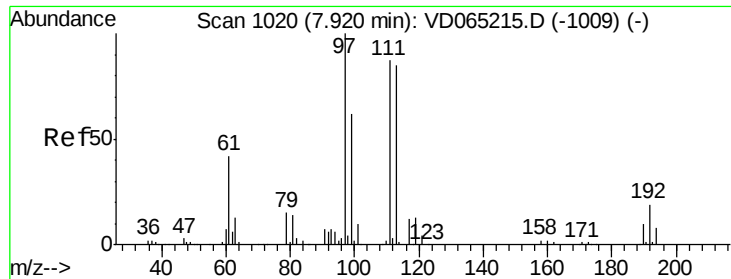
200000

100000

0

Time-->





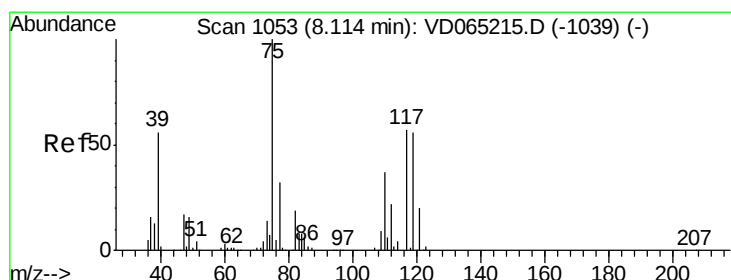
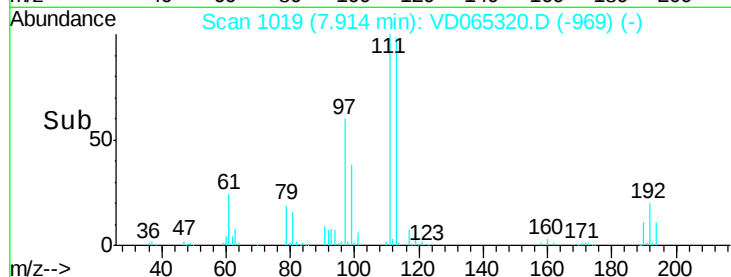
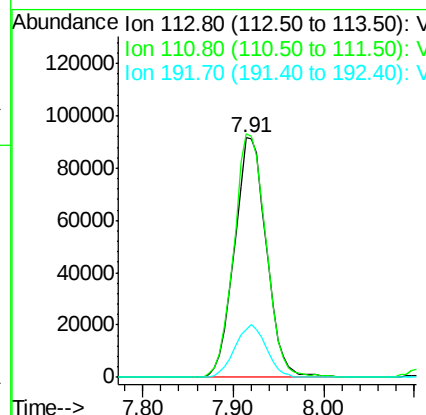
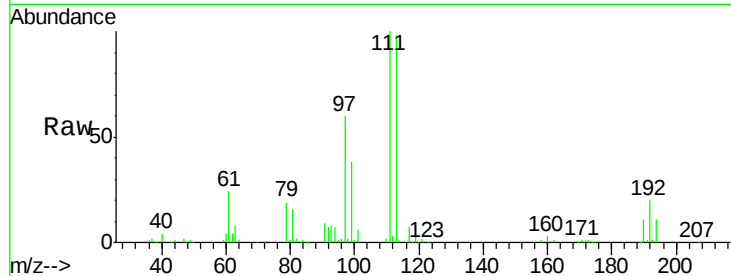
#35
 Dibromofluoromethane
 Concen: 52.814 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223939		
111	102.7	82.9	124.3	
192	21.7	17.3	25.9	

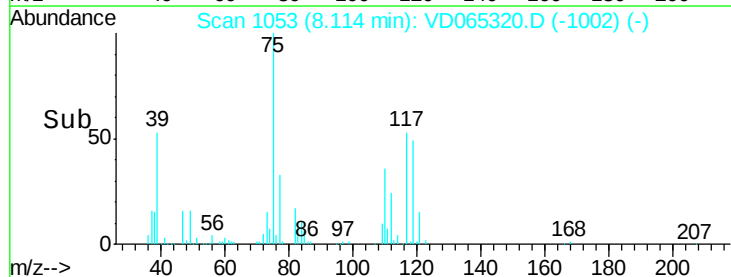
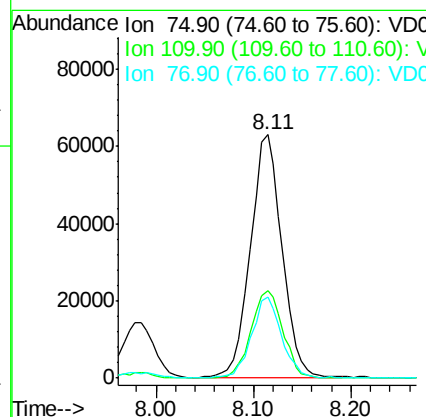
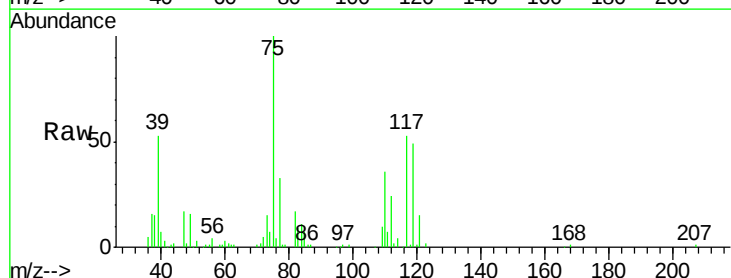
Manual Integrations
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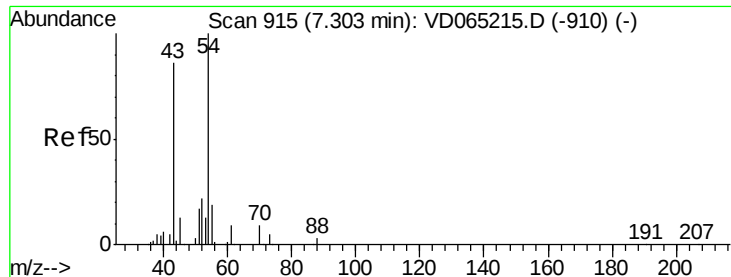
MMDadoda
 2/27/2020 11:39:21 AM



#36
 1,1-Dichloropropene
 Concen: 21.053 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142453		
110	36.5	17.9	53.7	
77	32.3	25.1	37.7	





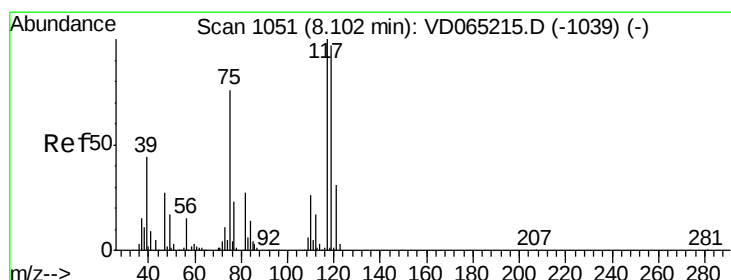
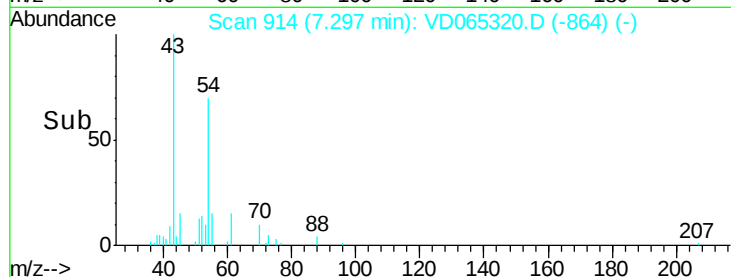
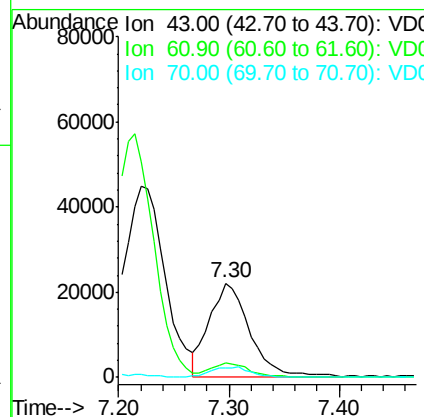
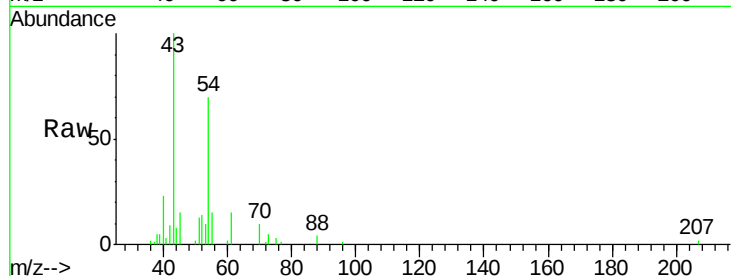
#37
Ethyl Acetate
Concen: 19.623 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	11.1	8.2	12.2

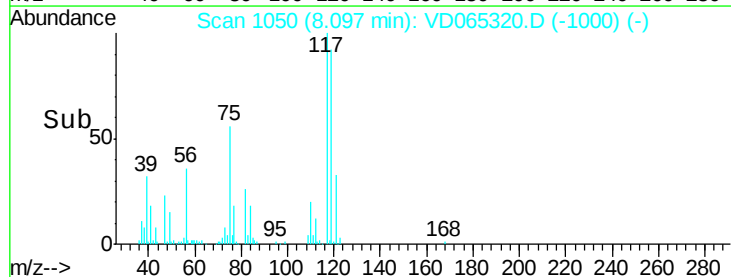
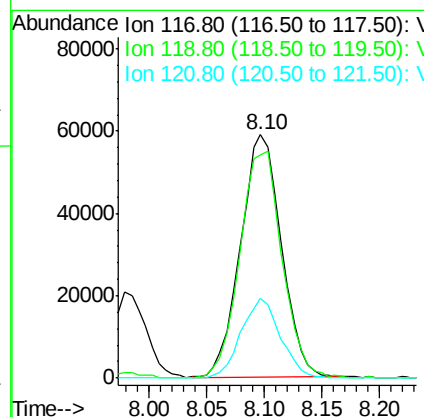
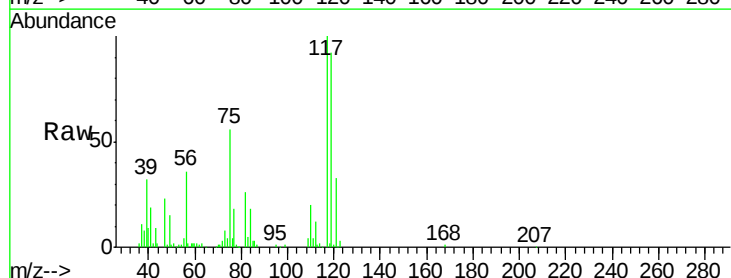
Manual Integrations
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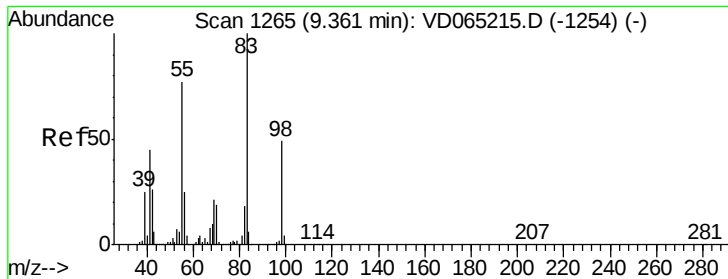
MMDadoda
2/27/2020 11:39:21 AM



#38
Carbon Tetrachloride
Concen: 21.066 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.6	116.4
121	32.7	24.8	37.2





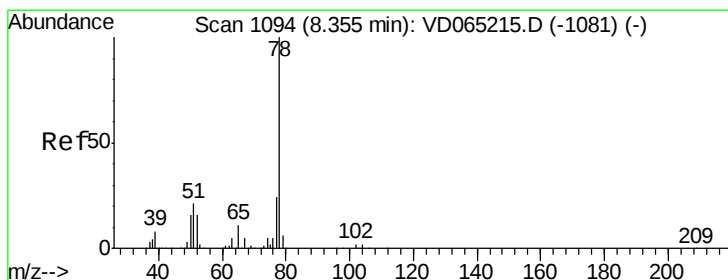
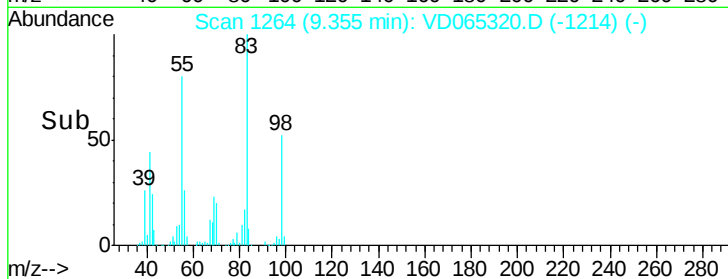
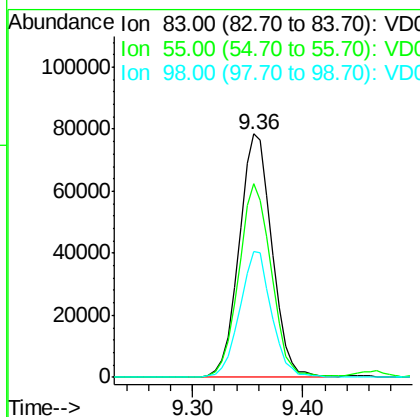
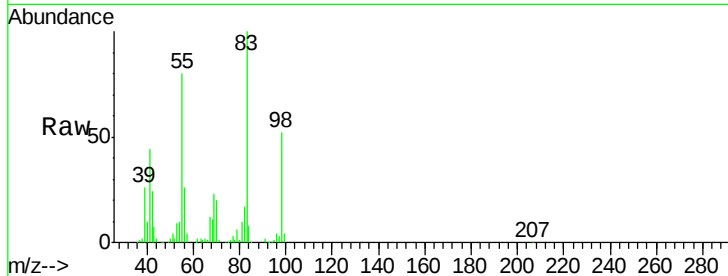
#39
Methvlcvclohexane
Concen: 20.625 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.8	92.6
98	51.6	39.4	59.0

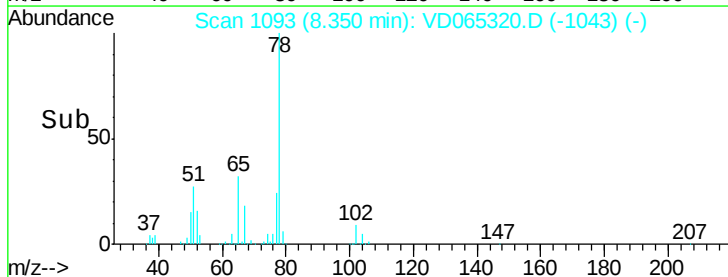
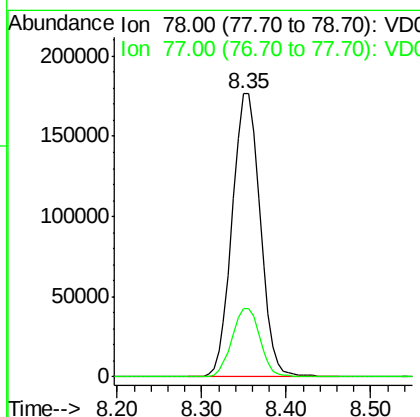
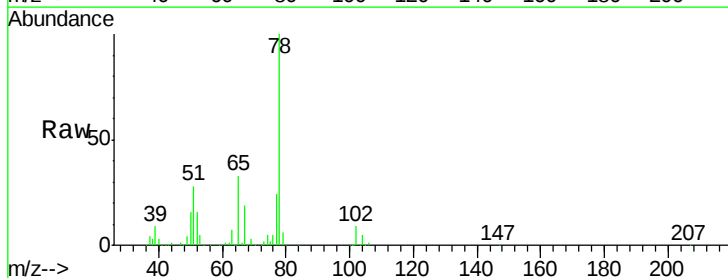
Manual Integrations
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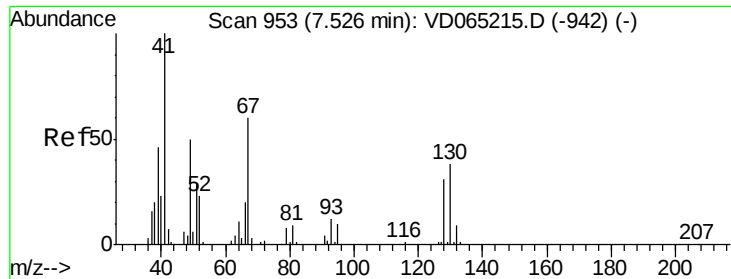
MMDadoda
2/27/2020 11:39:21 AM



#40
Benzene
Concen: 21.239 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





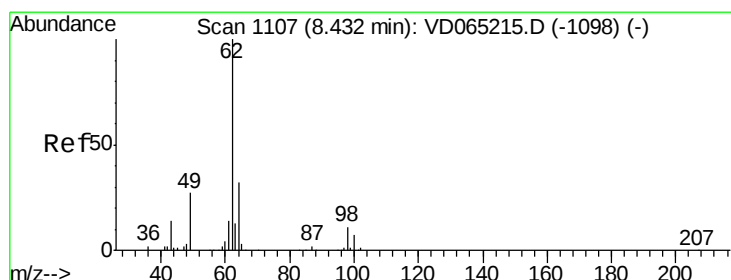
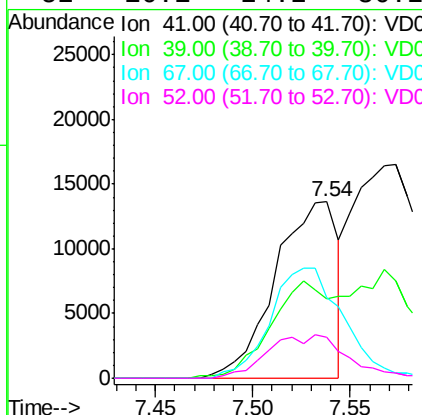
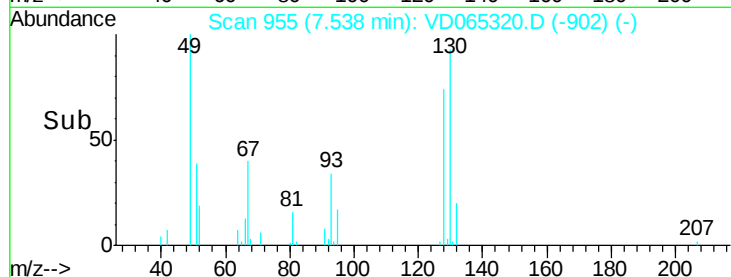
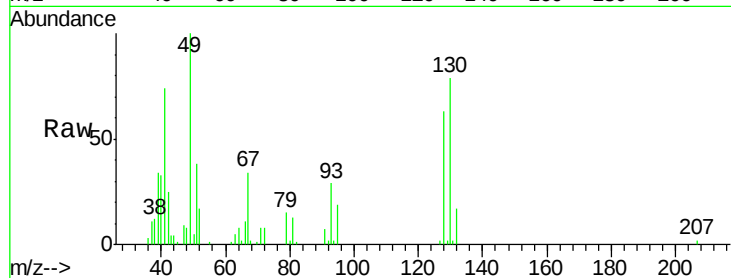
#41
Methacrylonitrile
Concen: 18.458 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30147		
39	49.1	48.1	72.1		
67	73.3	58.9	88.3		
52	16.1	24.2	36.2		

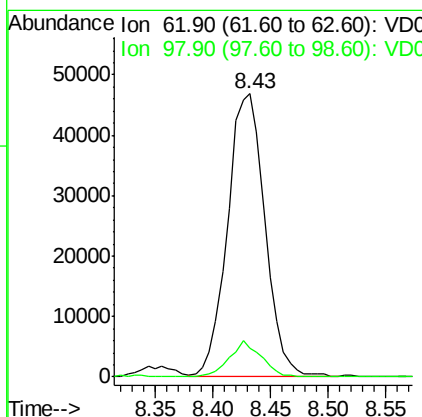
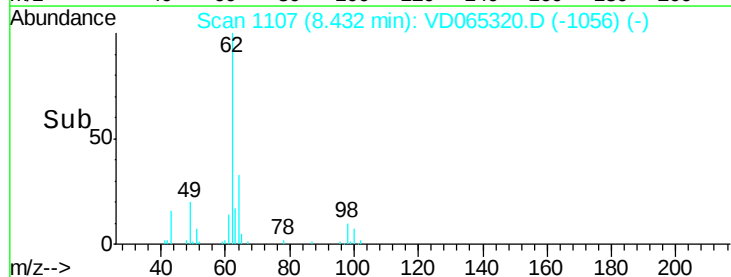
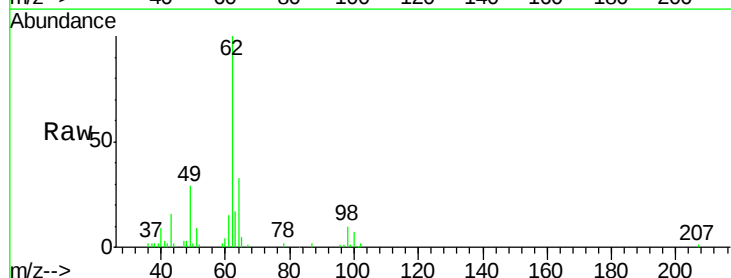
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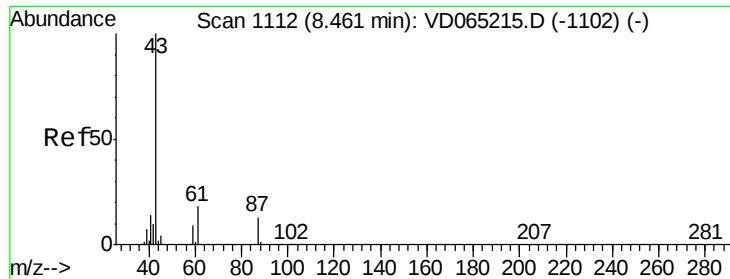
MMDadoda
2/27/2020 11:39:21 AM



#42
1,2-Dichloroethane
Concen: 19.943 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		104707		
98	10.9	0.0	20.6		





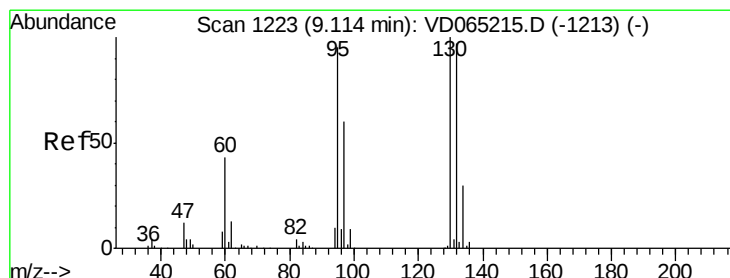
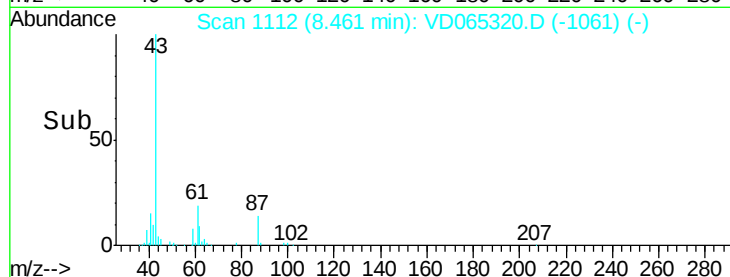
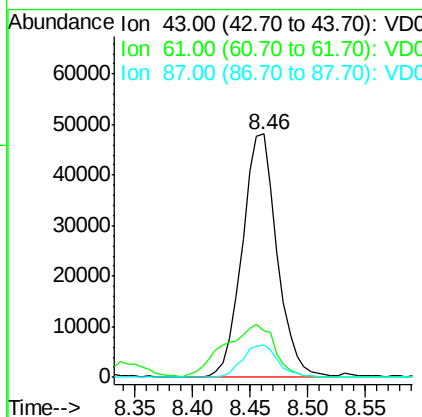
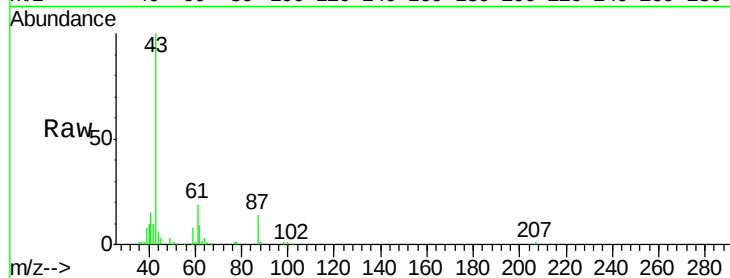
#43
Isopropyl Acetate
Concen: 19.674 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.6	36.8
87	13.6	10.6	16.0

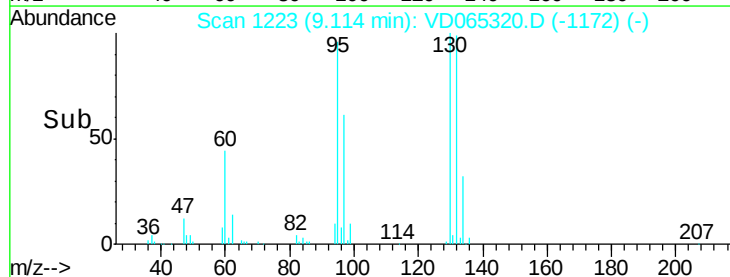
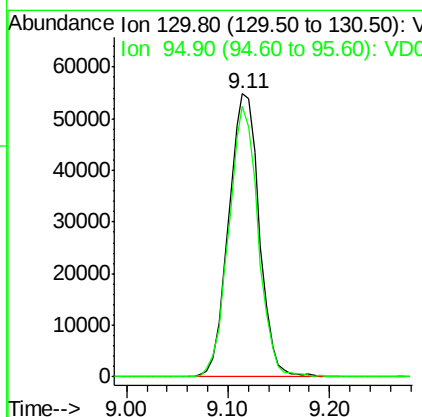
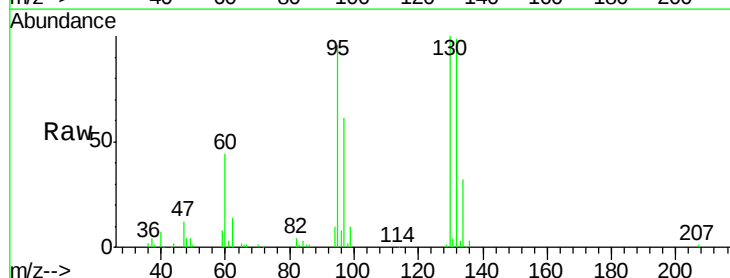
Manual Integrations
APPROVED

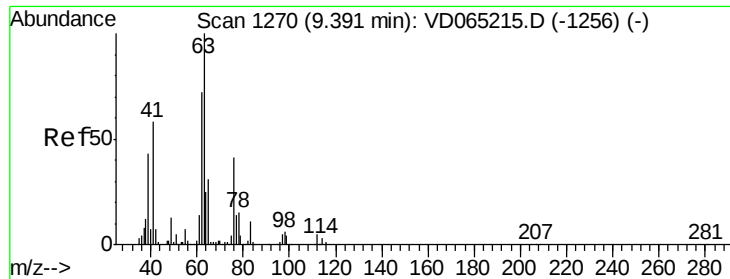
MMDadoda
2/27/2020 11:39:21 AM



#44
Trichloroethene
Concen: 21.649 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	190.6





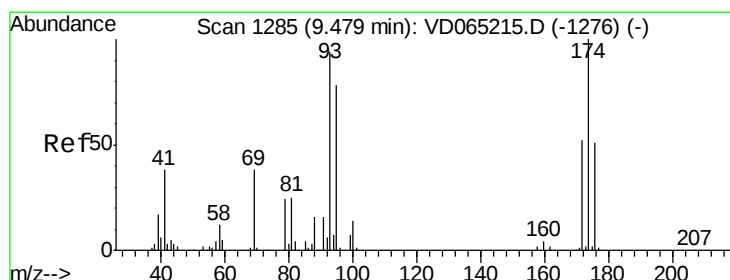
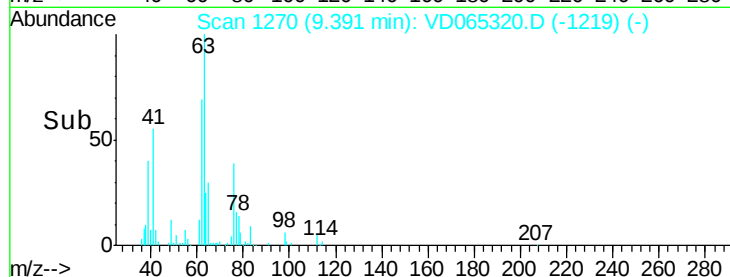
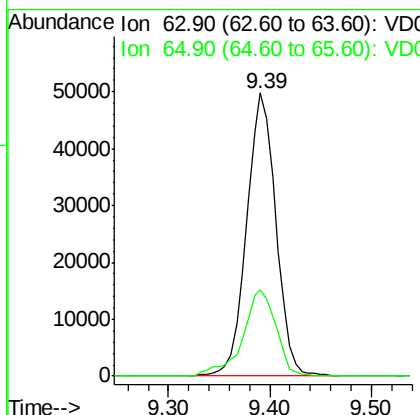
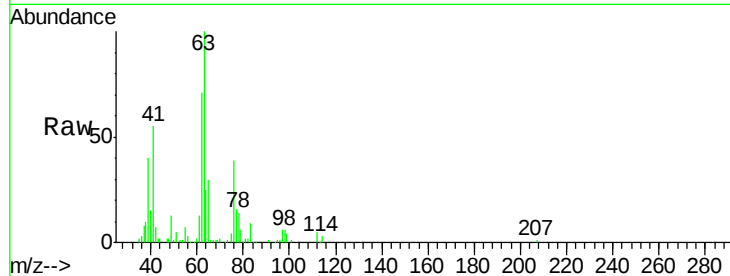
#45
 1,2-Dichloropropane
 Concen: 21.032 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion: 63 Resp: 99879
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.9 37.3

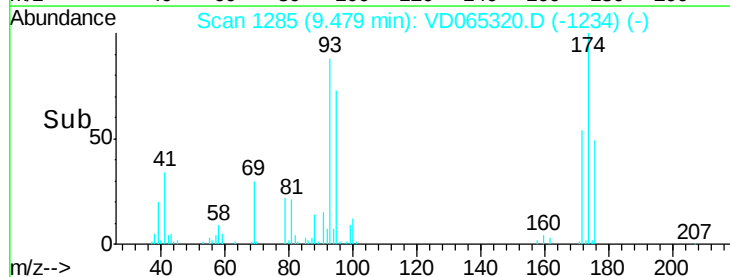
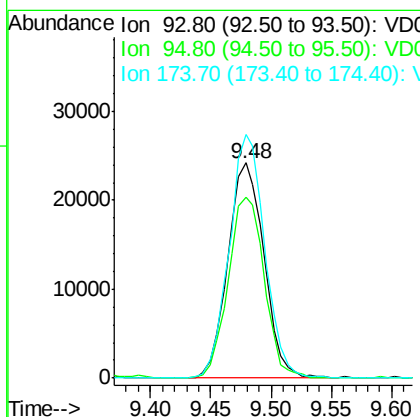
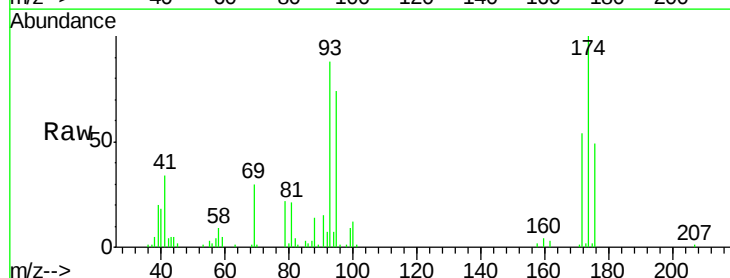
Manual Integrations
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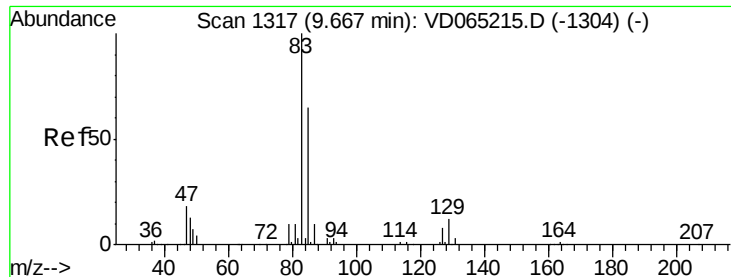
MMDadoda
 2/27/2020 11:39:21 AM



#46
 Dibromomethane
 Concen: 20.653 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion: 93 Resp: 50464
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.6
 174 111.3 86.8 130.2





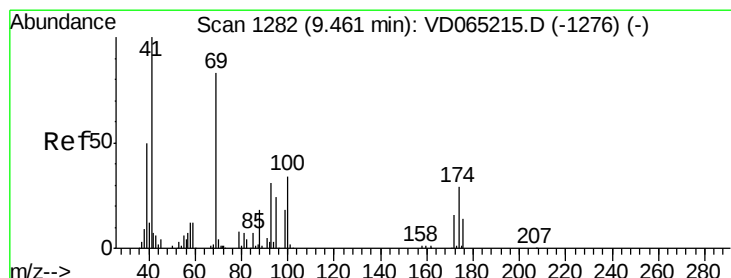
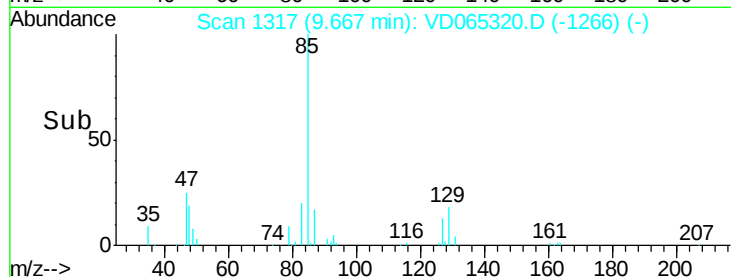
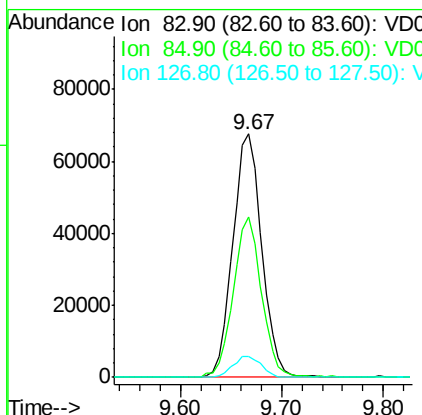
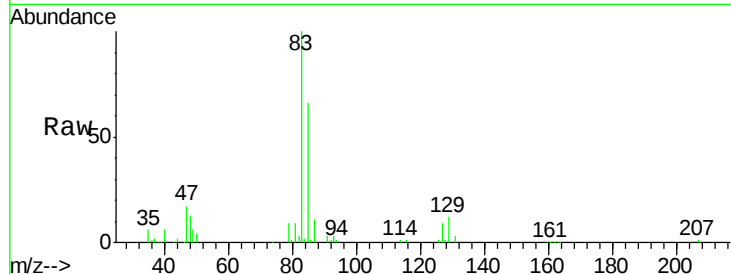
#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	133890		
85	65.8	52.0	78.0	
127	8.7	6.7	10.1	

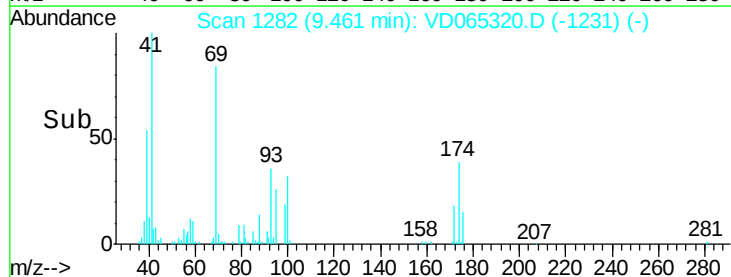
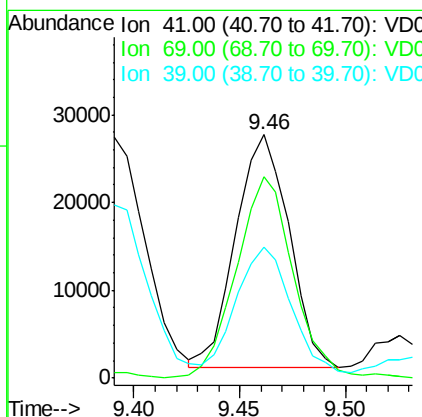
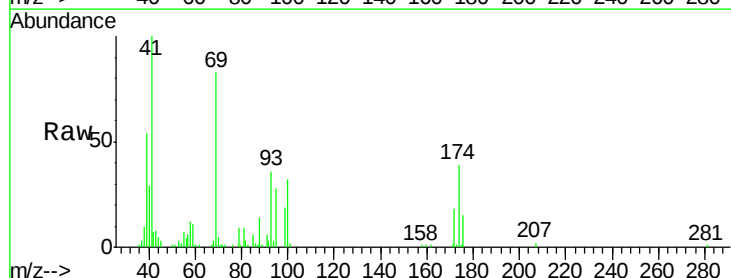
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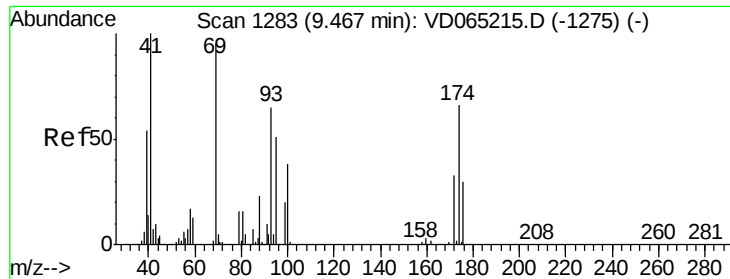
MMDadoda
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#48
Methyl methacrylate
Concen: 19.654 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	46730		
69	92.1	68.2	102.2	
39	54.5	42.0	63.0	





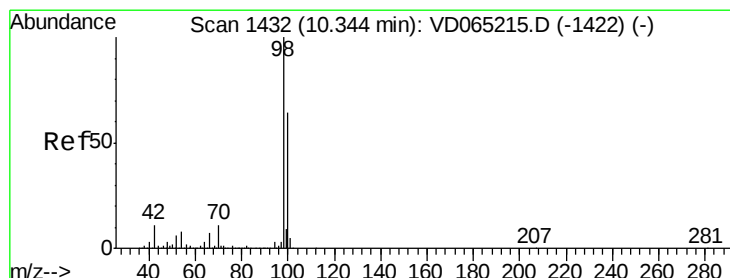
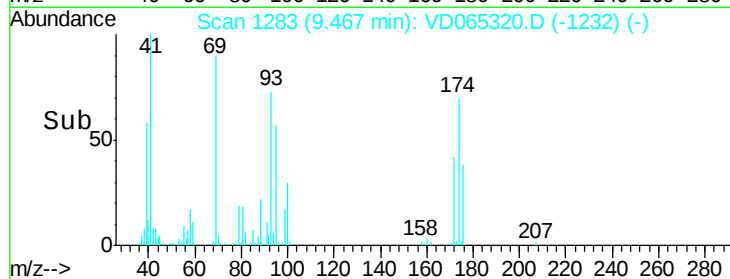
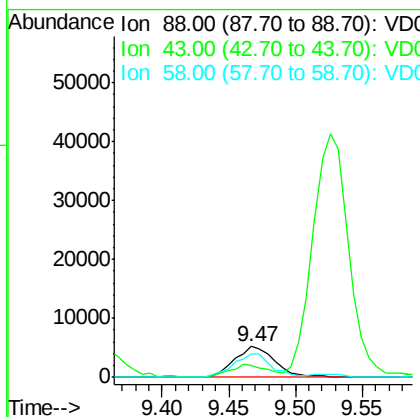
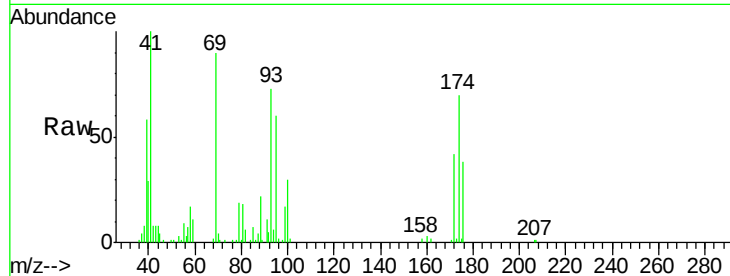
#49
1,4-Dioxane
Concen: 378.602 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	28.5	42.7
58	72.6	58.6	87.8

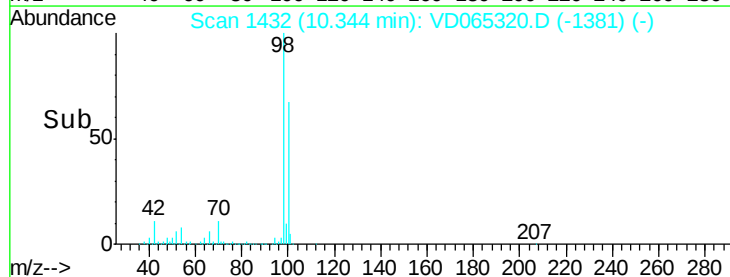
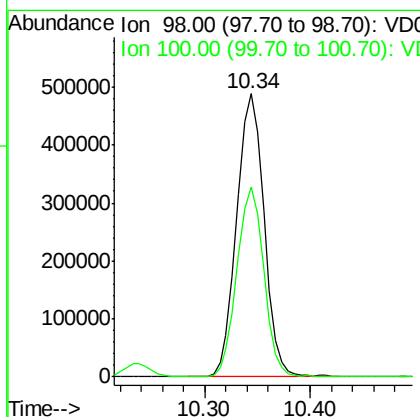
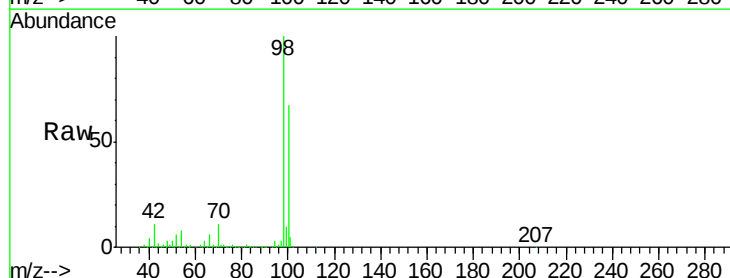
Manual Integrations
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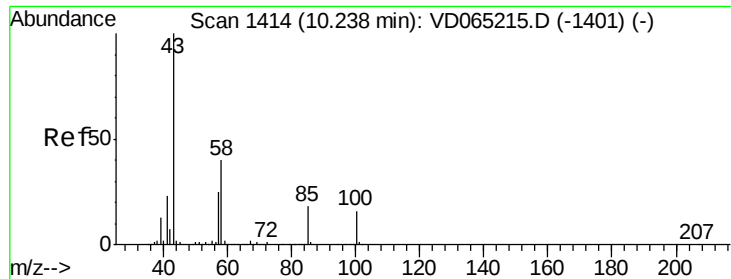
MMDadoda
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#50
Toluene-d8
Concen: 54.371 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 100.075 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 43 Resp: 261453

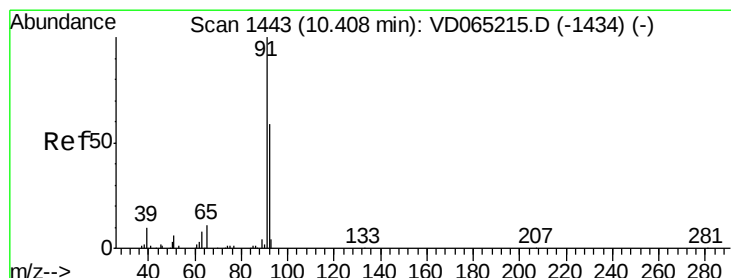
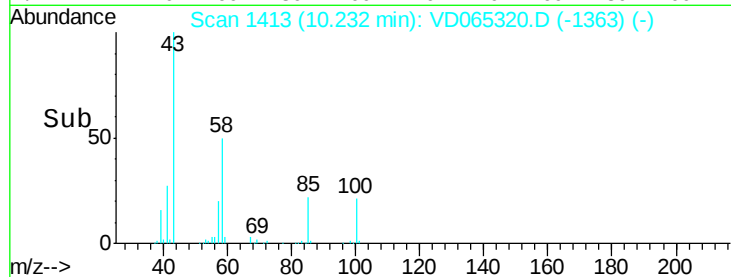
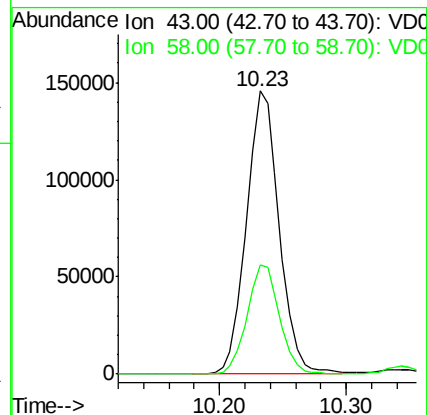
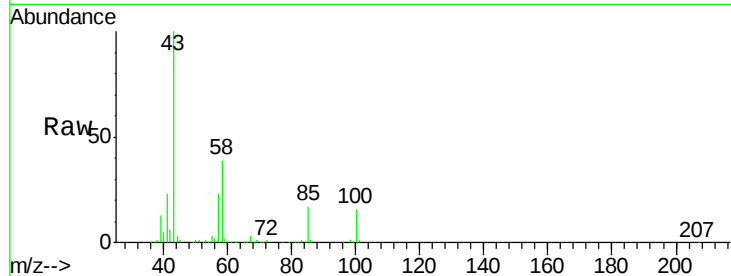
Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7

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#52

Toluene

Concen: 21.935 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065320.D

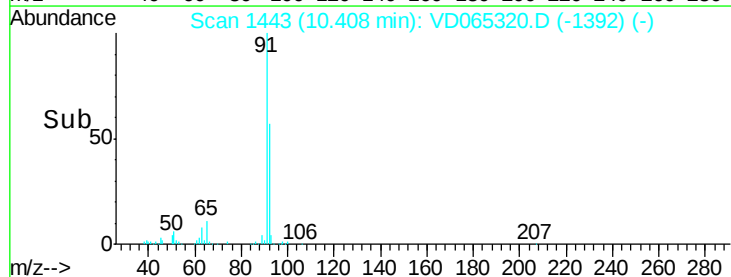
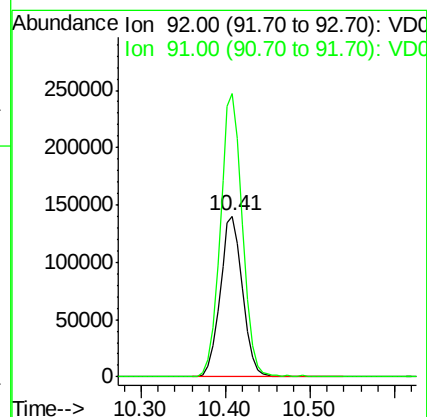
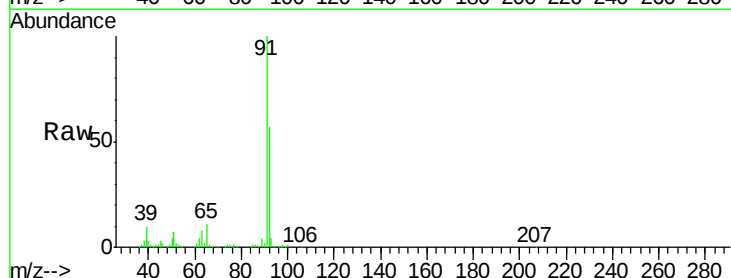
Acq: 26 Feb 2020 11:29

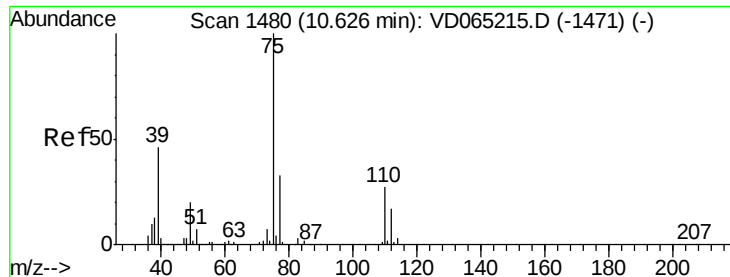
Tgt Ion: 92 Resp: 259310

Ion Ratio Lower Upper

92 100

91 173.3 136.3 204.5





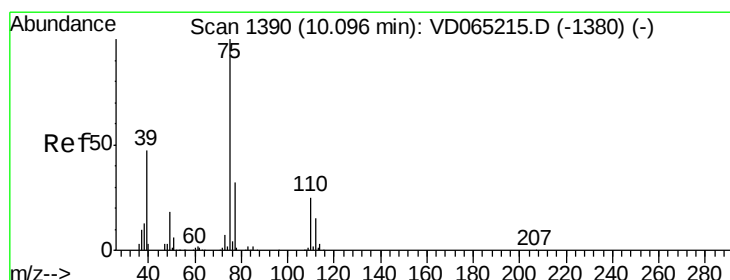
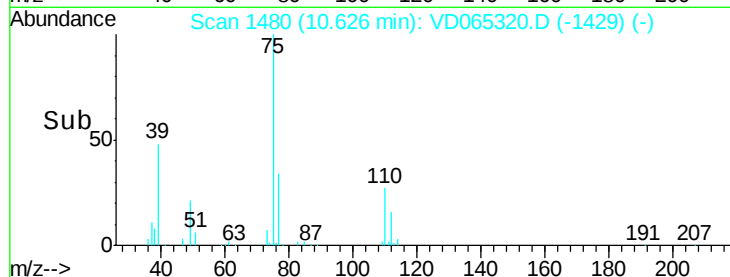
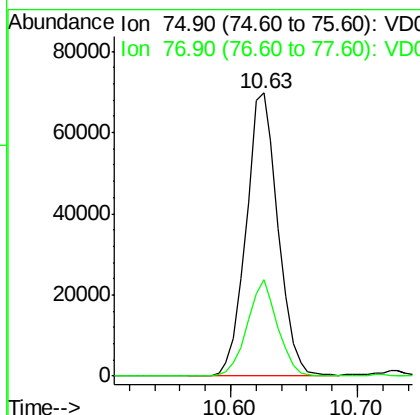
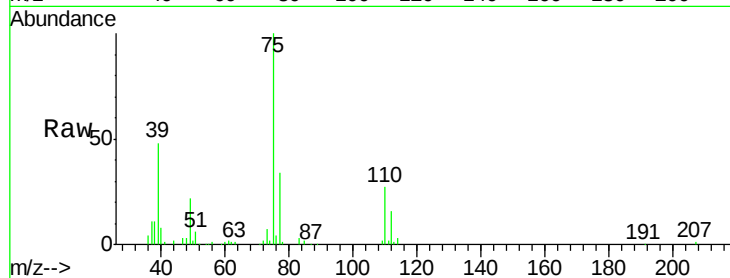
#53
t-1,3-Dichloropropene
Concen: 20.494 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.6	40.0

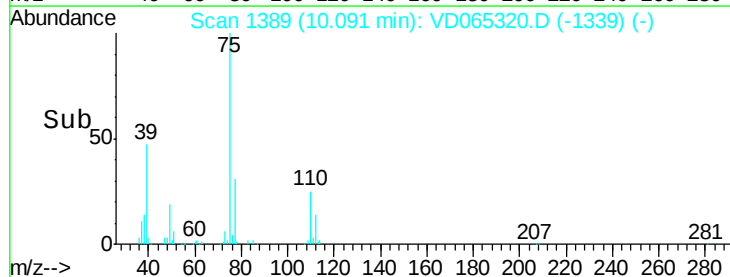
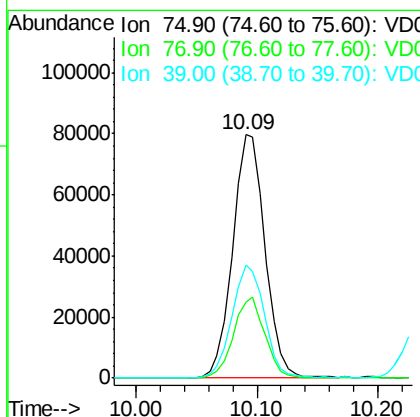
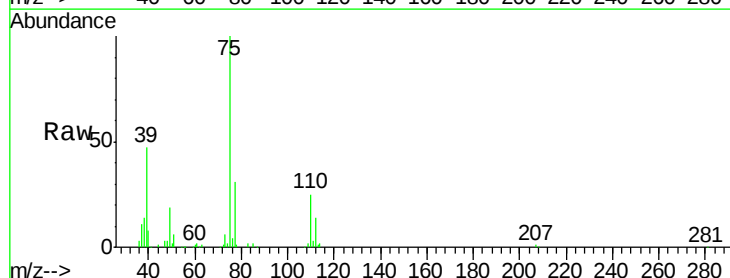
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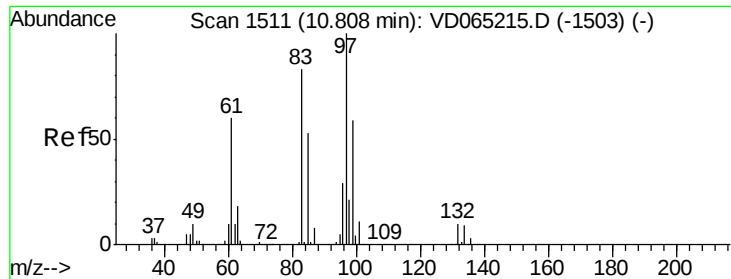
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.669 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	46.6	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 20.969 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 97 Resp: 72116

Ion Ratio Lower Upper

97 100

83 95.4 66.7 100.1

85 57.7 42.4 63.6

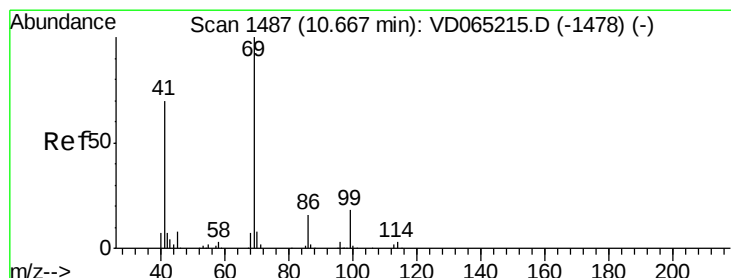
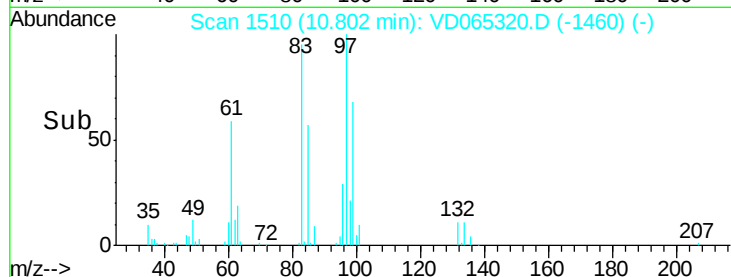
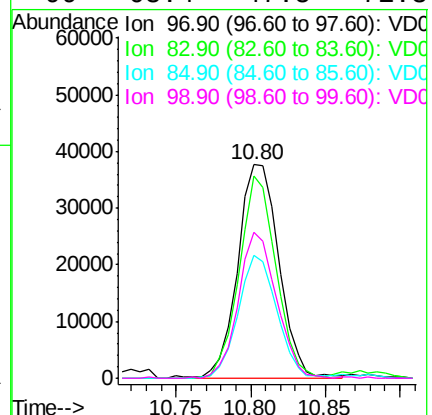
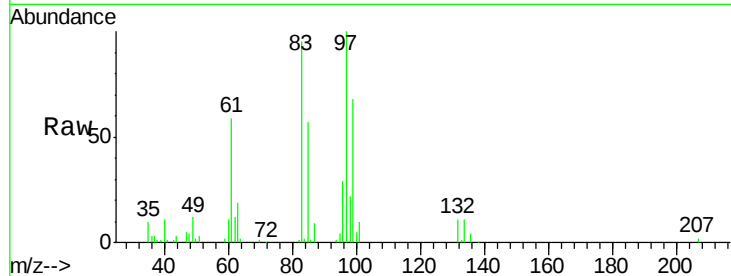
99 68.4 47.5 71.3

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#56

Ethyl methacrylate

Concen: 20.173 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

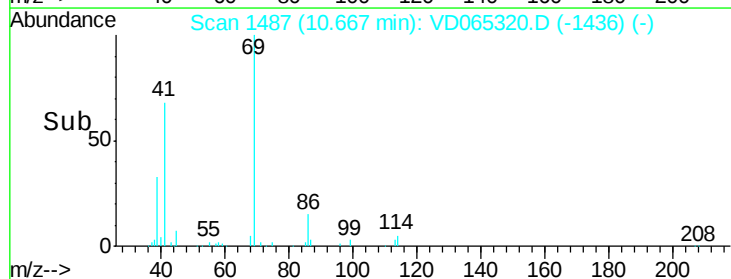
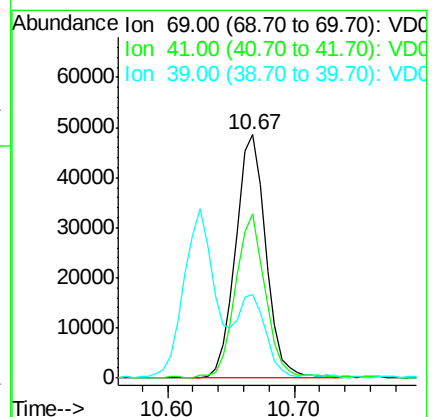
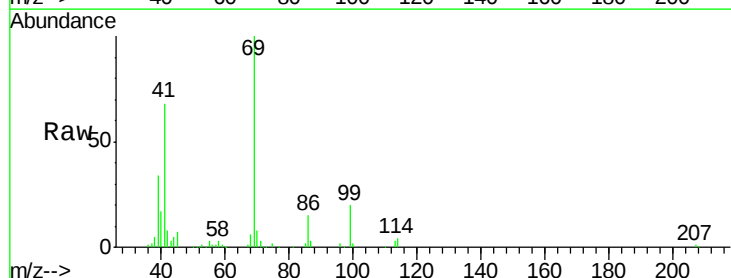
Tgt Ion: 69 Resp: 80078

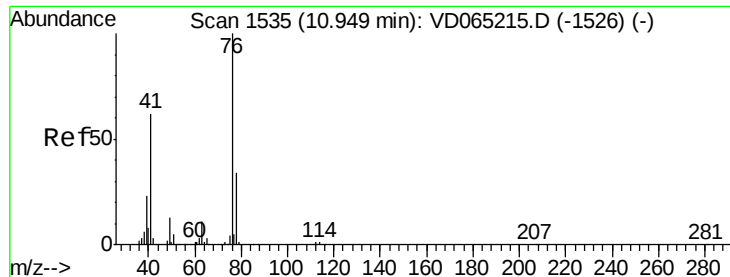
Ion Ratio Lower Upper

69 100

41 65.6 54.6 81.8

39 29.9 26.5 39.7





#57

1,3-Dichloropropane

Concen: 20.908 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 76 Resp: 122380

Ion Ratio Lower Upper

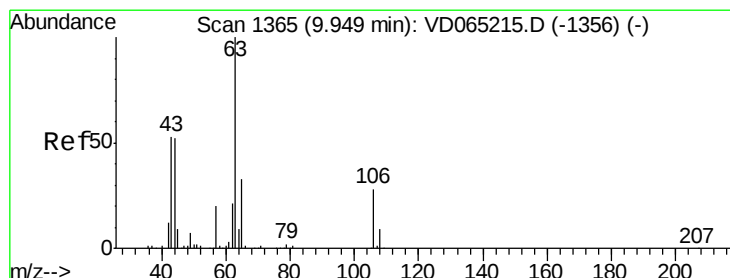
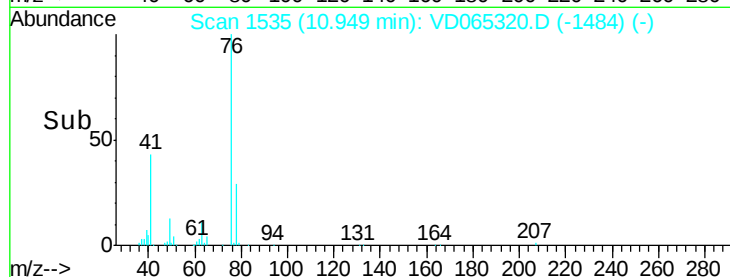
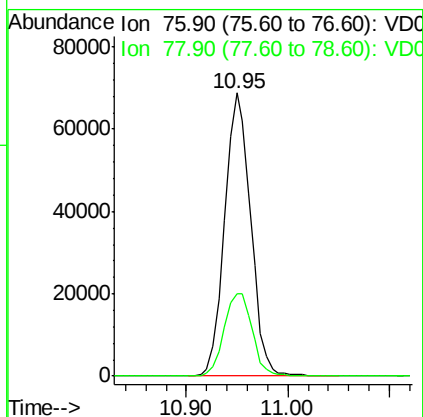
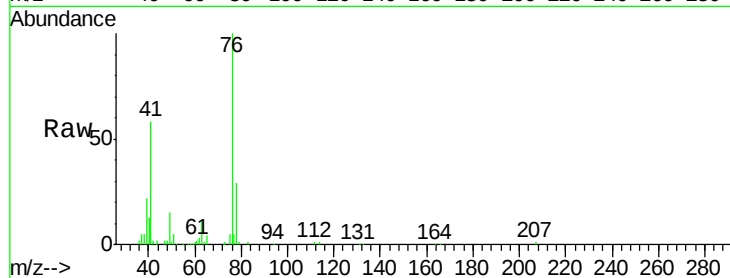
76 100

78 31.6 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 98.188 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065320.D

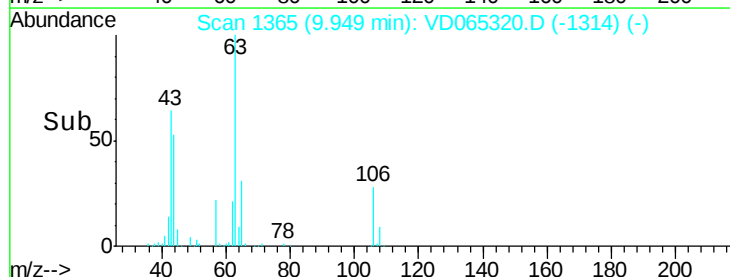
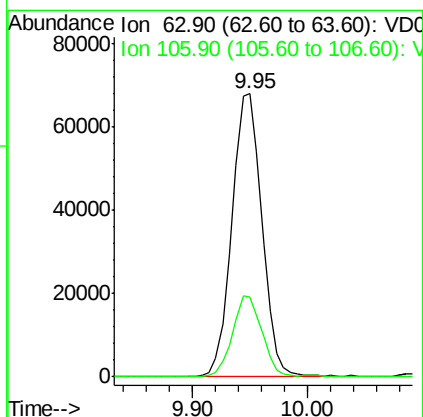
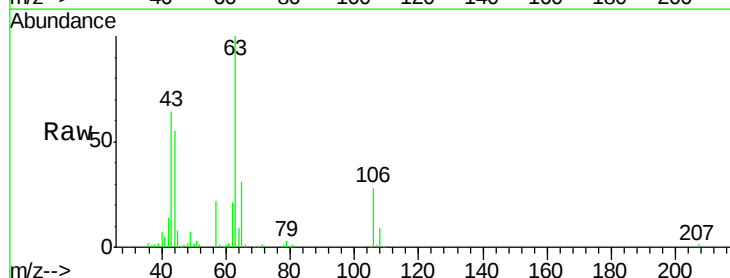
Acq: 26 Feb 2020 11:29

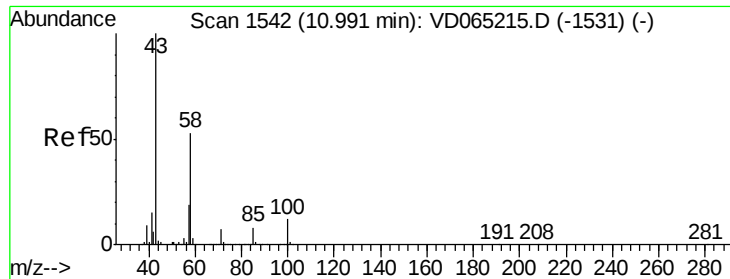
Tgt Ion: 63 Resp: 122881

Ion Ratio Lower Upper

63 100

106 27.8 22.8 34.2





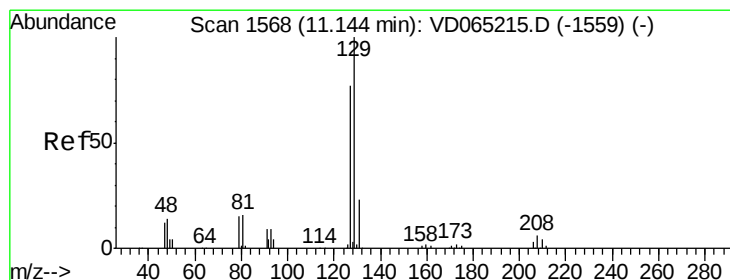
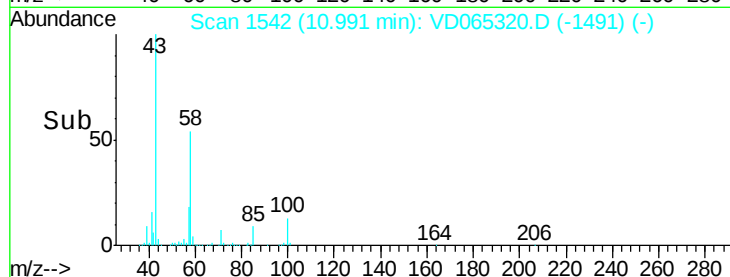
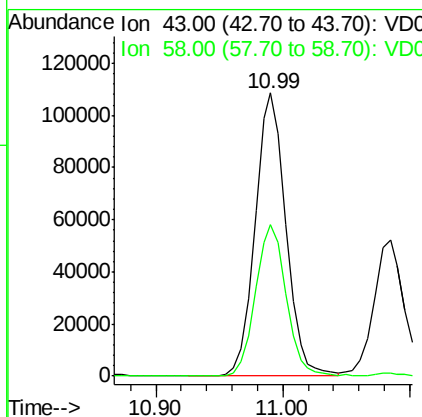
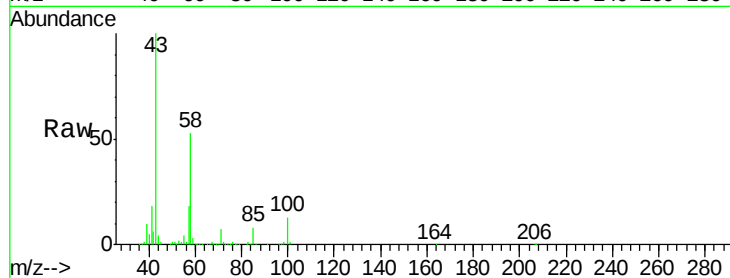
#59
2-Hexanone
Concen: 98.338 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion: 43 Resp: 183911
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.8

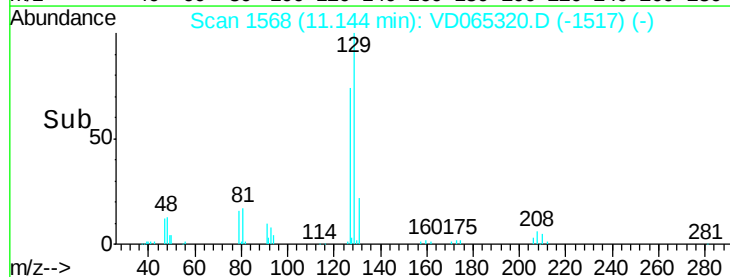
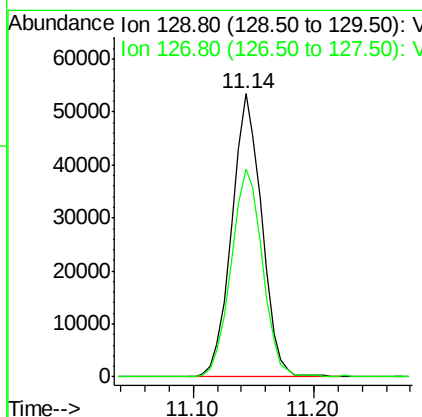
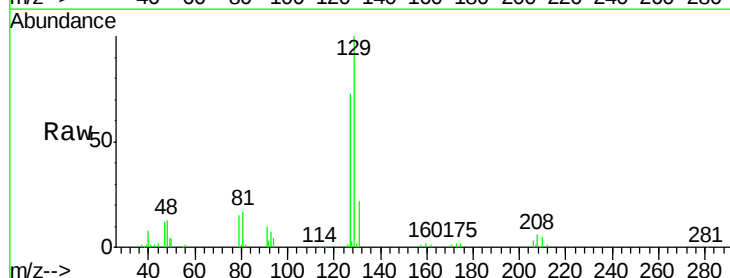
Manual Integrations
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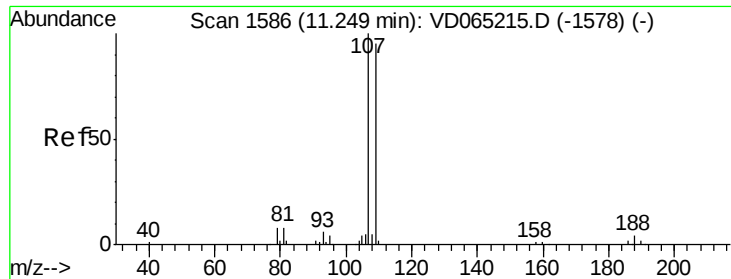
MMDadoda
2/27/2020 11:39:21 AM



#60
Dibromochloromethane
Concen: 21.071 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion: 129 Resp: 92753
Ion Ratio Lower Upper
129 100
127 76.5 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.380 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion:107 Resp: 66364

Ion Ratio Lower Upper

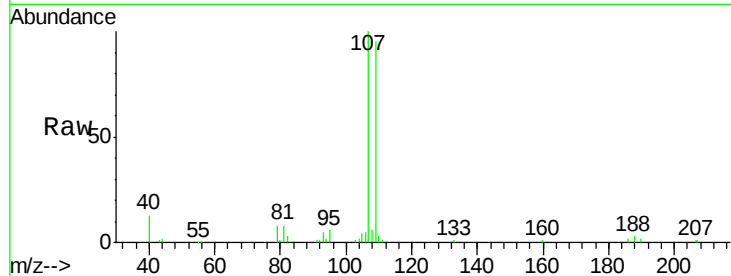
107 100

109 95.4 76.2 114.4

Manual Integrations
APPROVED

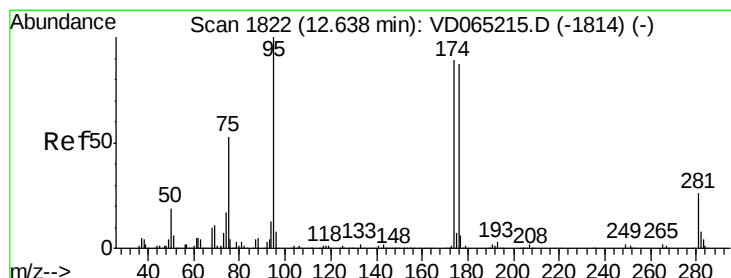
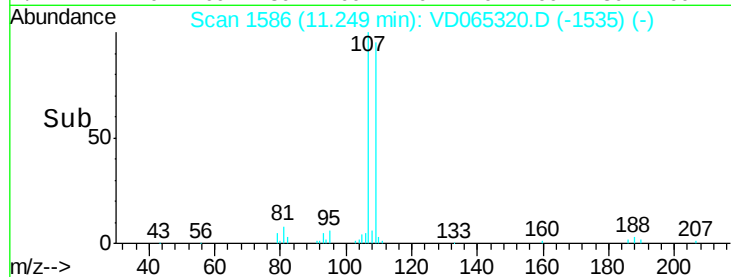
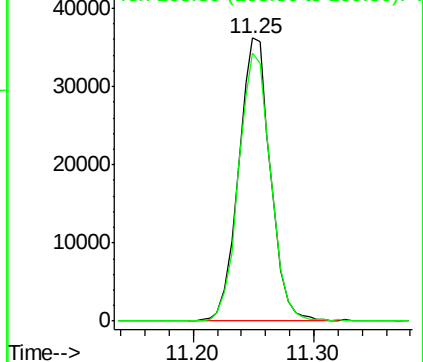
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.413 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

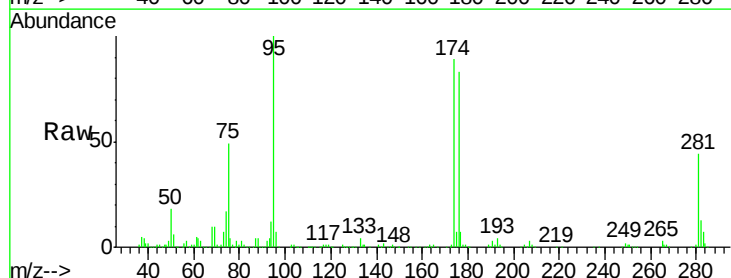
Tgt Ion: 95 Resp: 284552

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

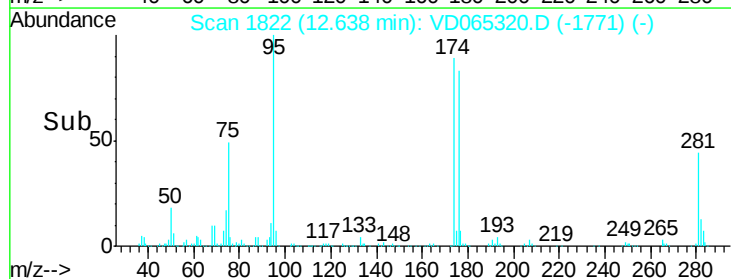
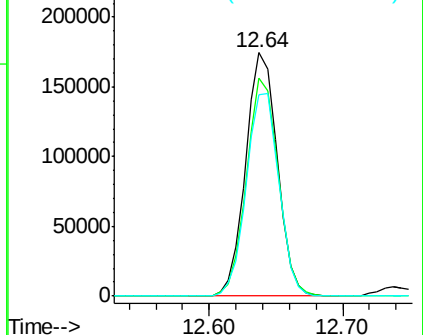
176 85.8 0.0 174.4

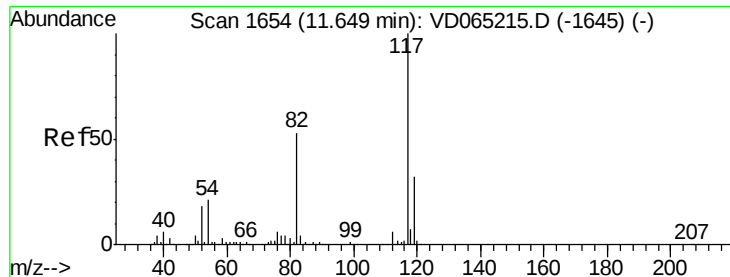


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

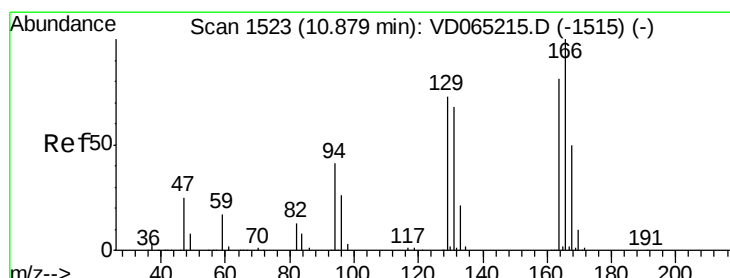
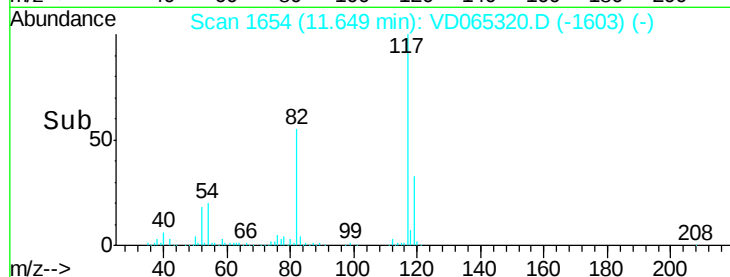
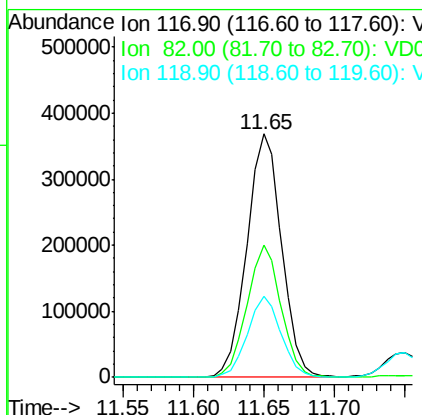
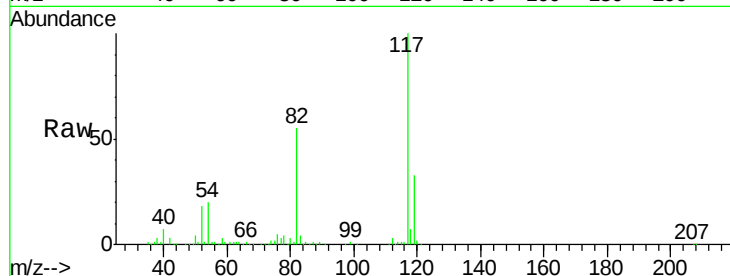
ClientSampleId :

VD0226SBS01

Tot Ion:	117	Resp:	637396
Ion Ratio		Lower	Upper
117	100		
82	54.6	42.7	64.1
119	33.2	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.133 ug/l

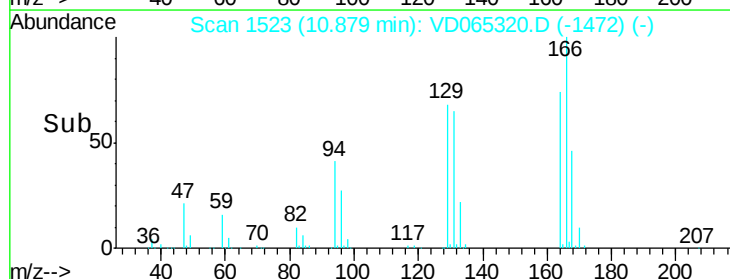
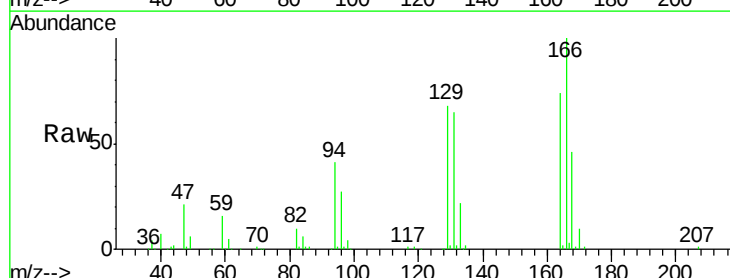
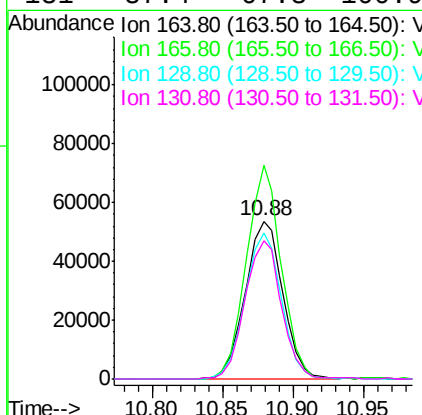
RT: 10.88 min Scan# 1523

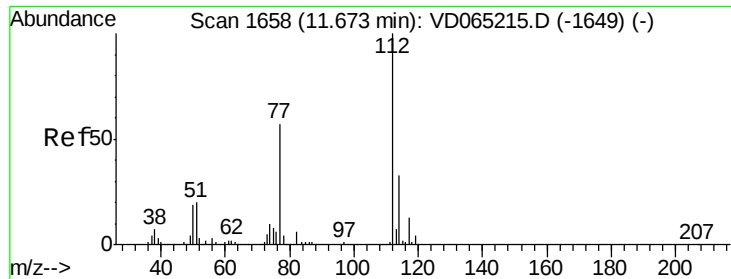
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	164	Resp:	100056
Ion Ratio		Lower	Upper
164	100		
166	135.2	98.4	147.6
129	92.0	71.6	107.4
131	87.4	67.3	100.9





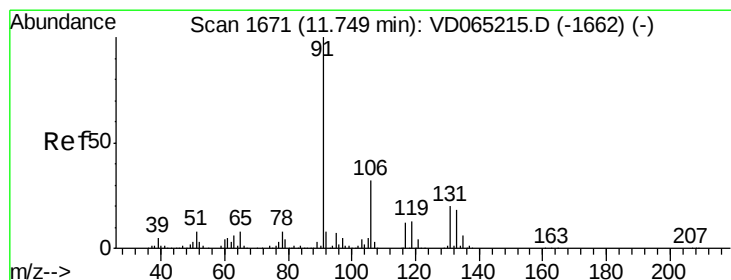
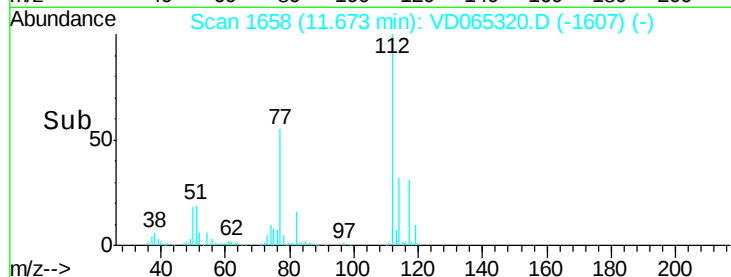
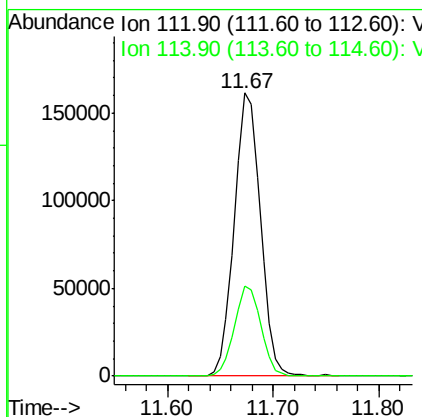
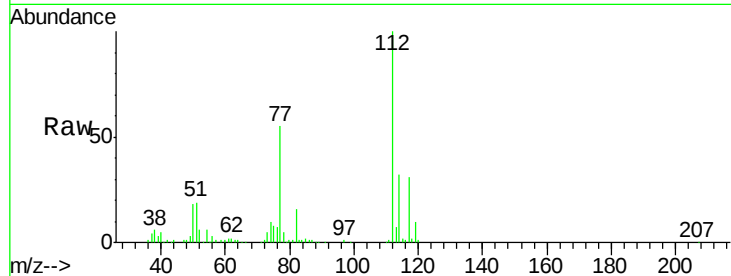
#65
Chlorobenzene
Concen: 21.639 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.4	39.6

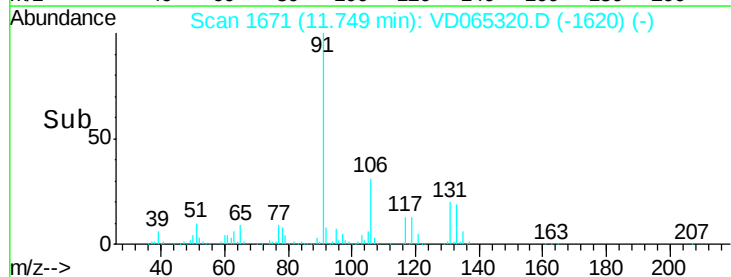
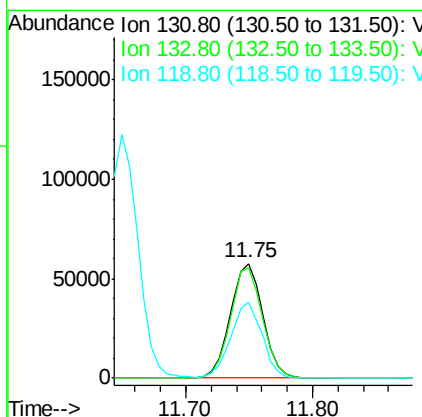
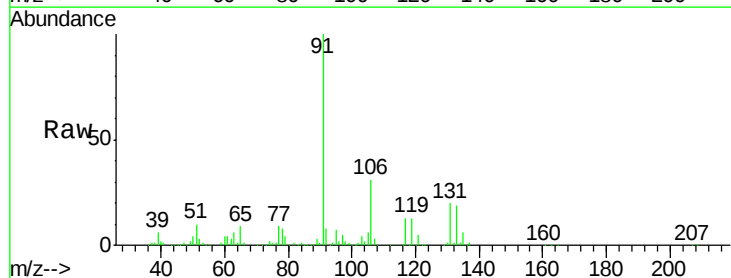
Manual Integrations
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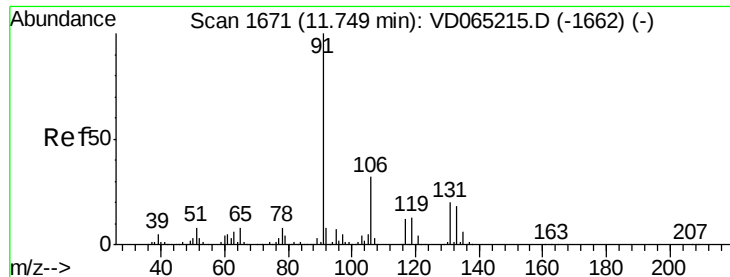
MMDadoda
2/27/2020 11:39:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.233 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	64.4	32.7	98.1





#67

Ethyl Benzene

Concen: 21.175 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 91 Resp: 474372

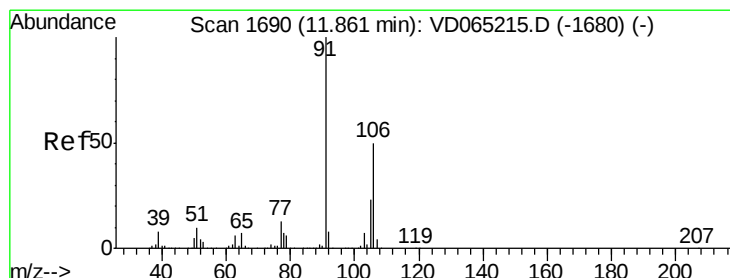
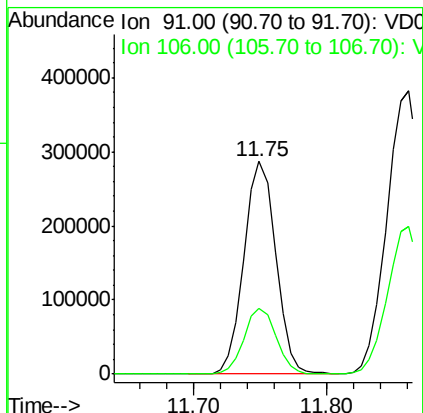
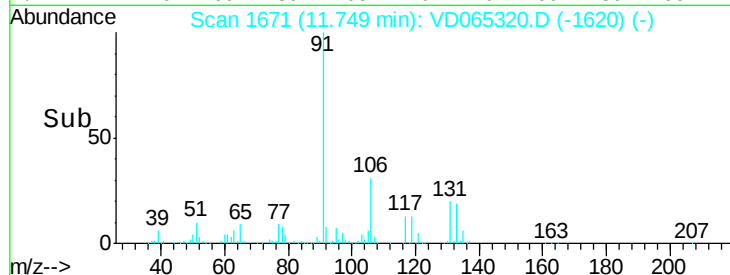
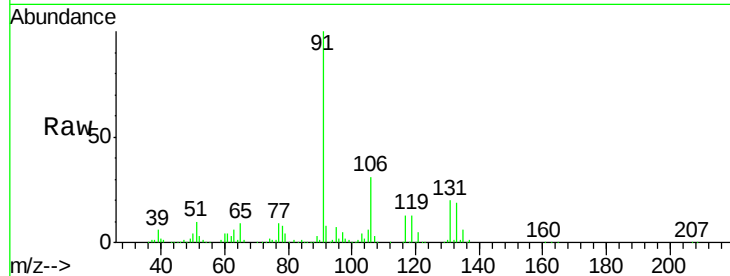
Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.634 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065320.D

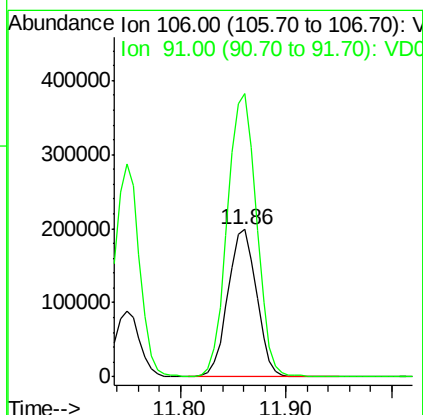
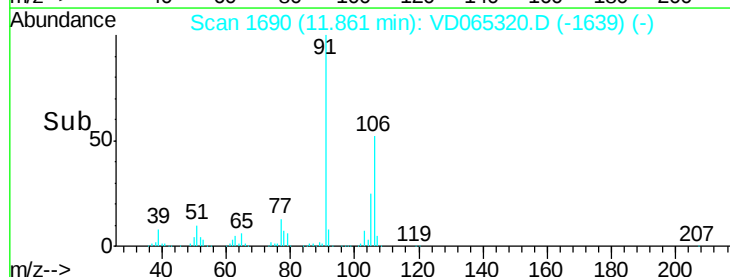
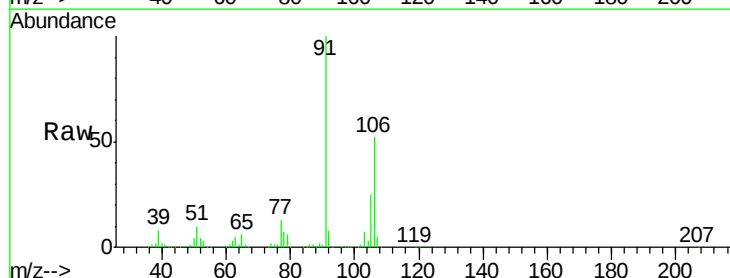
Acq: 26 Feb 2020 11:29

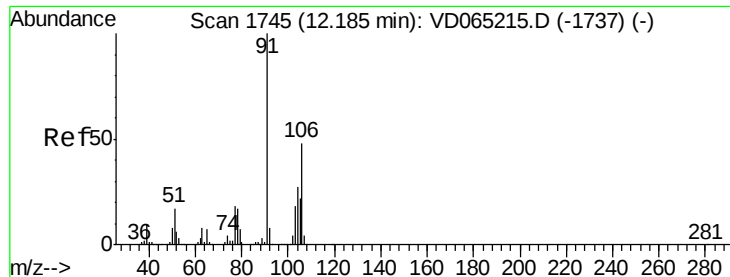
Tgt Ion: 106 Resp: 373982

Ion Ratio Lower Upper

106 100

91 195.8 158.2 237.4





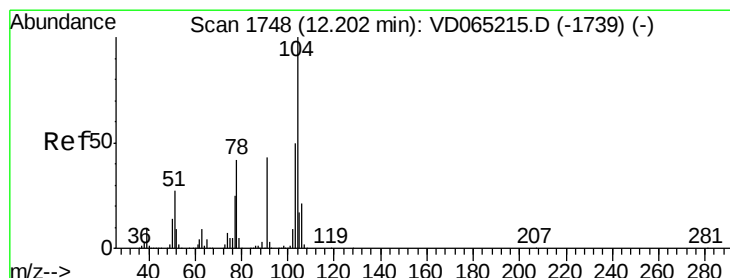
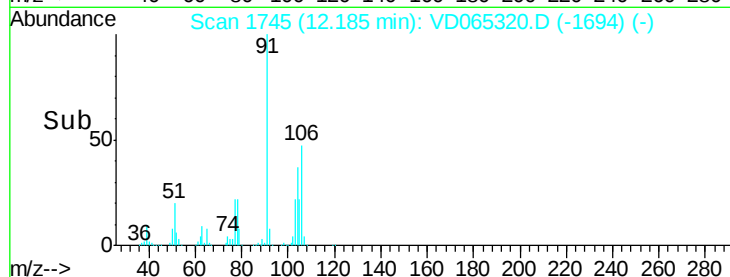
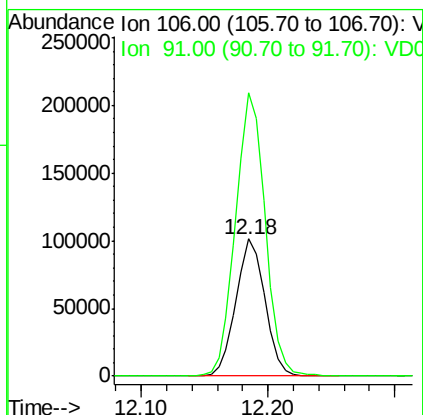
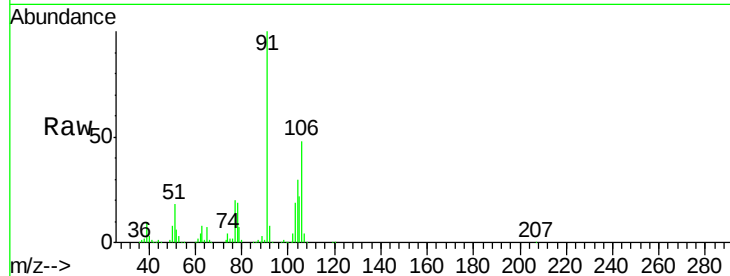
#69
o-Xylene
Concen: 21.300 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	104.7	313.9	

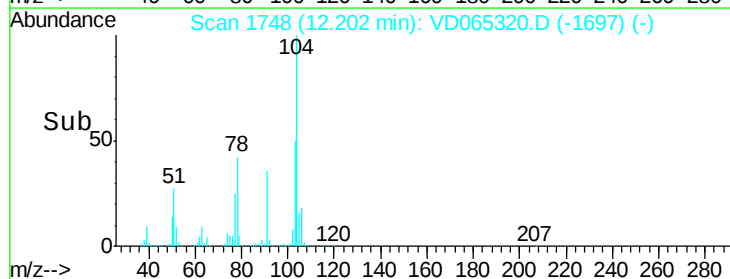
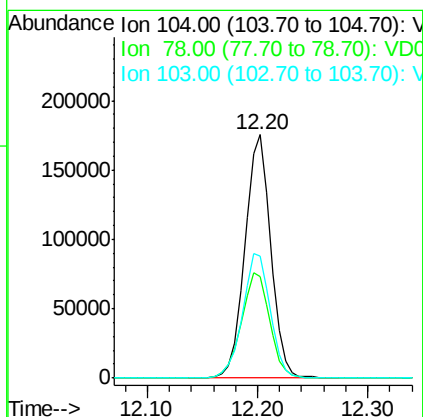
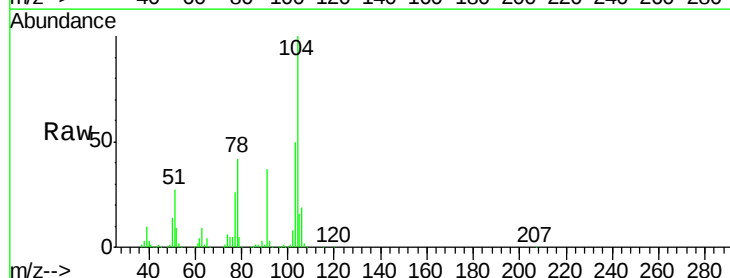
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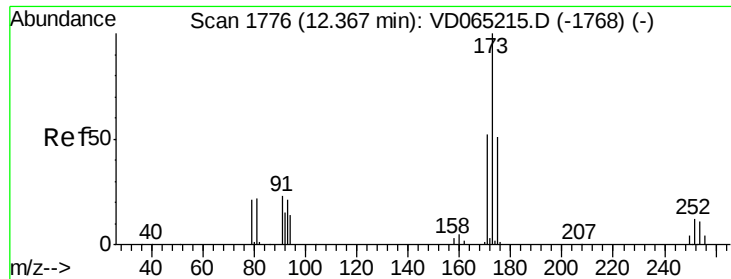
MMDadoda
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#70
Styrene
Concen: 21.426 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	37.8	56.6	
103	55.1	43.4	65.2	





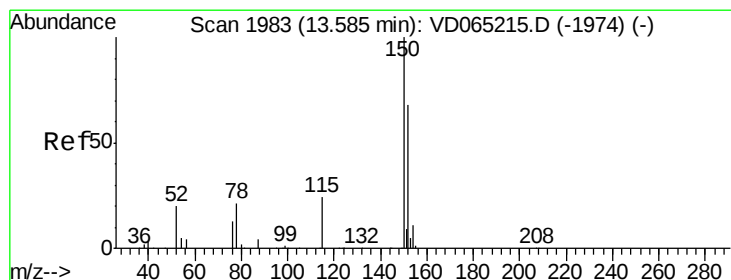
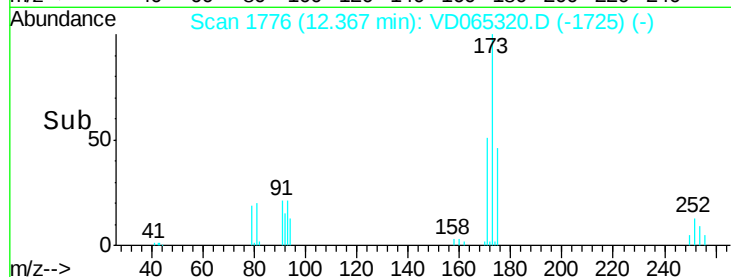
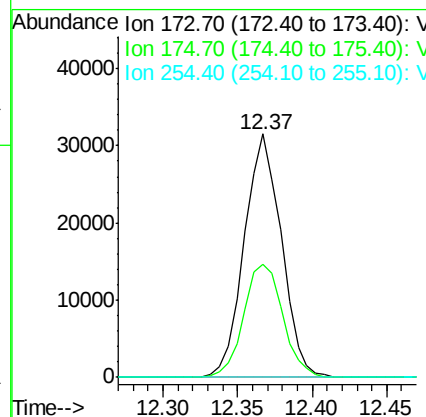
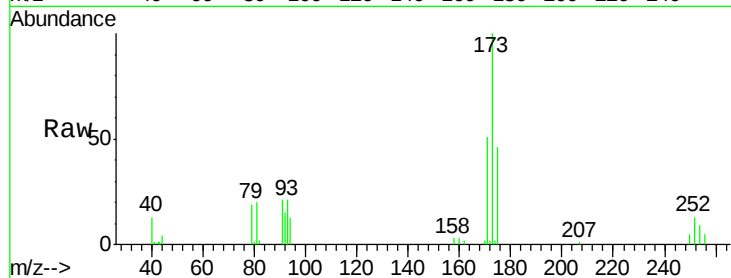
#71
Bromoform
Concen: 20.476 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.0	0.0

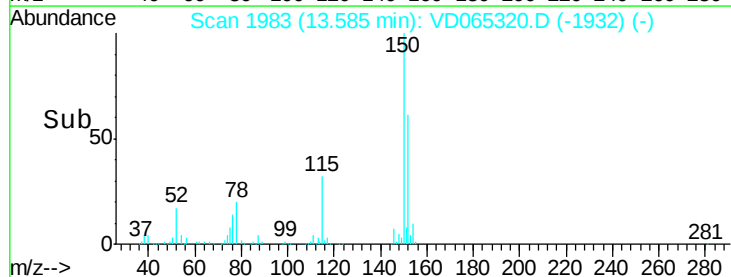
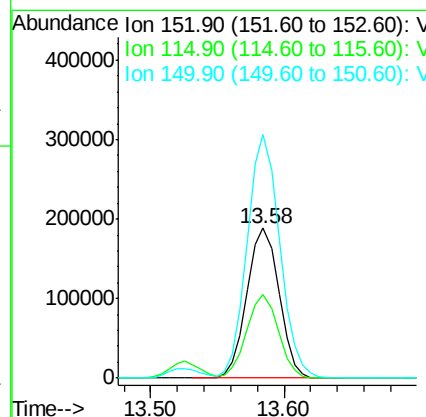
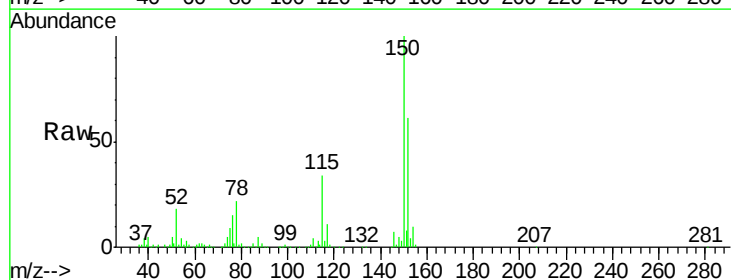
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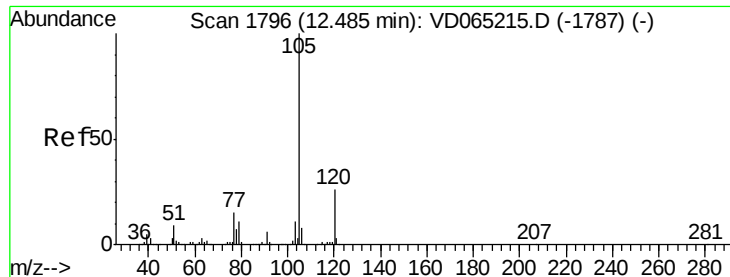
MMDadoda
2/27/2020 11:39:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	164.1	0.0	347.4





#73

Isopropylbenzene

Concen: 21.615 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 105 Resp: 449794

Ion Ratio Lower Upper

105 100

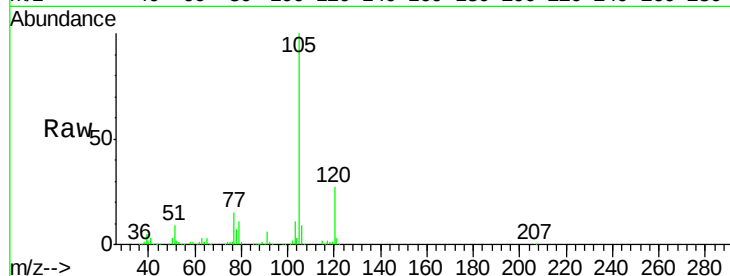
120 26.9 13.3 39.9

Manual Integrations

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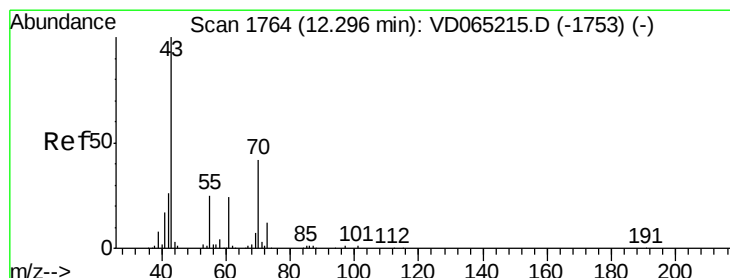
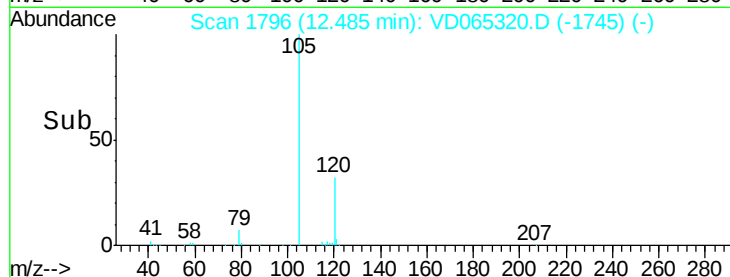
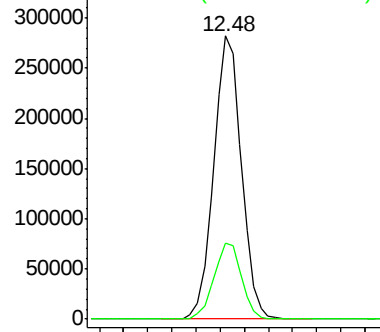
MMDadoda

2/27/2020 11:39:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.398 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion: 43 Resp: 89695

Ion Ratio Lower Upper

43 100

70 45.9 33.7 50.5

55 28.2 20.7 31.1

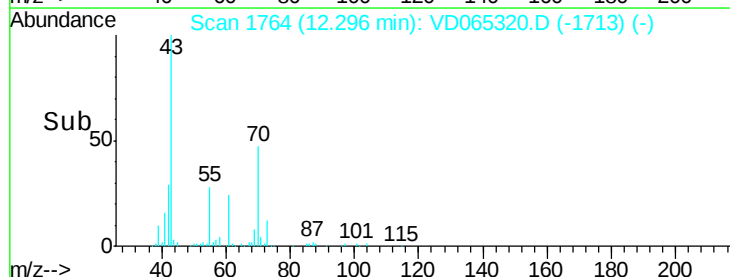
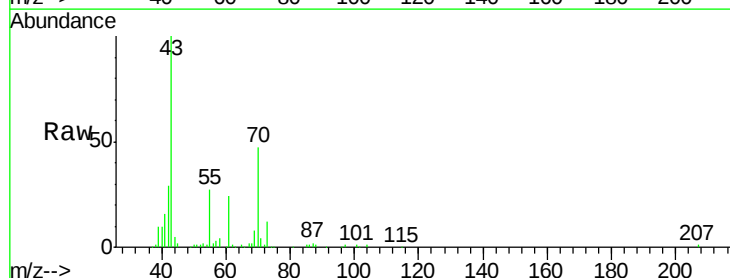
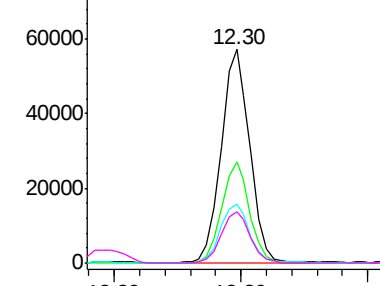
61 24.0 19.0 28.4

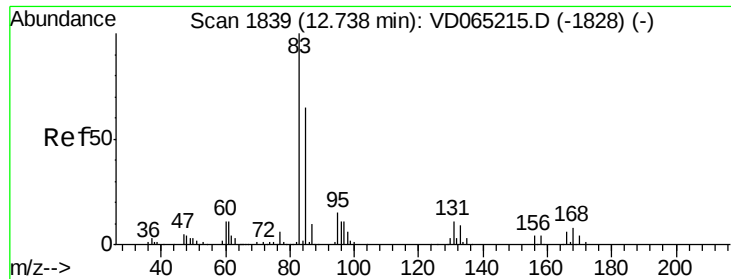
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.256 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

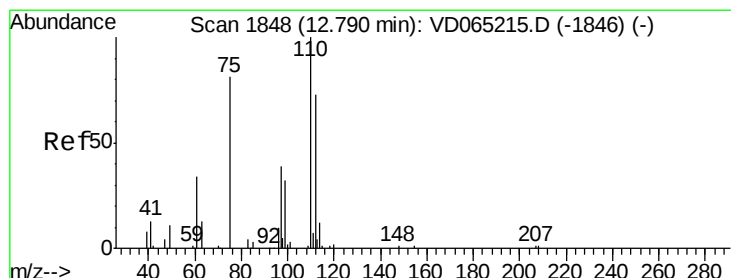
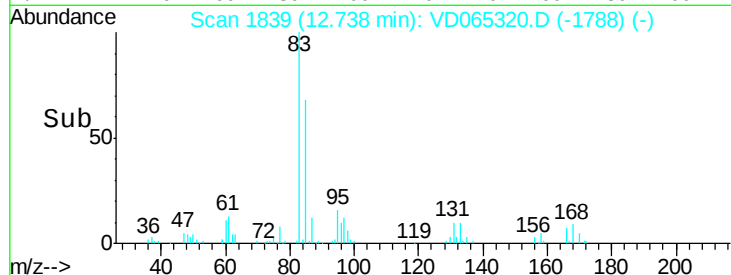
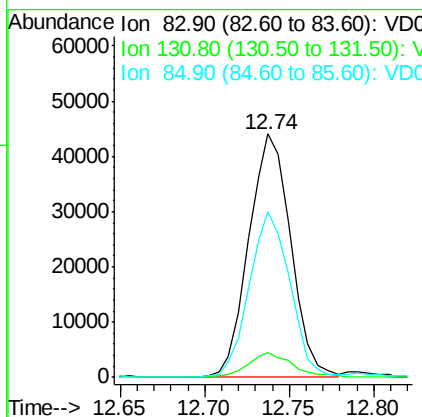
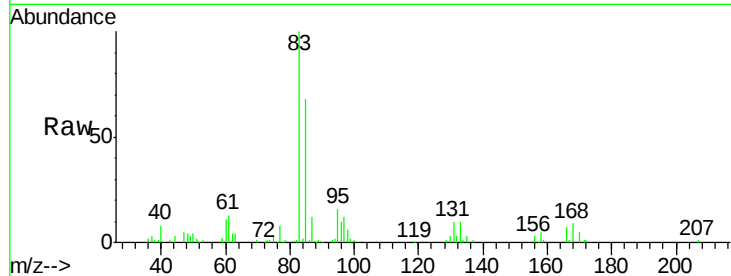
ClientSampleId :

VD0226SBS01

Tot Ion:	83	Resp:	76073
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	66.0	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.151 ug/l m

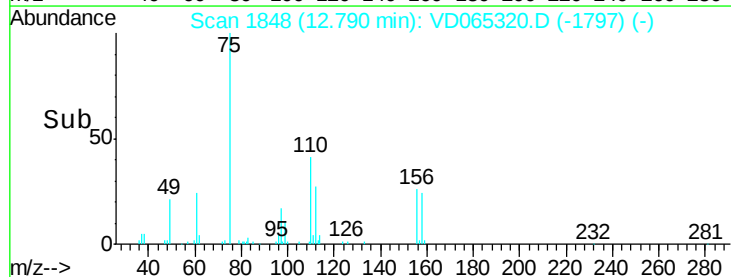
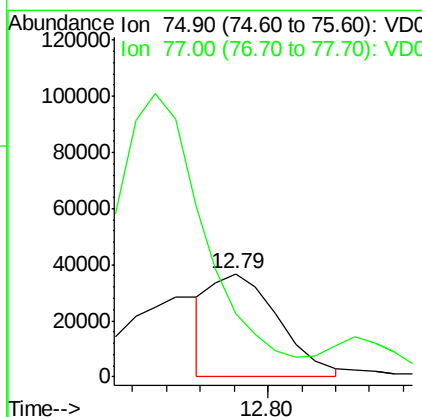
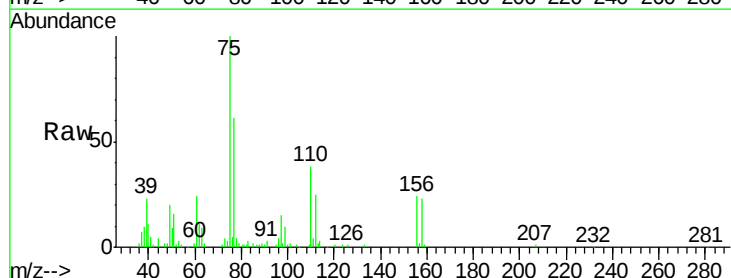
RT: 12.79 min Scan# 1848

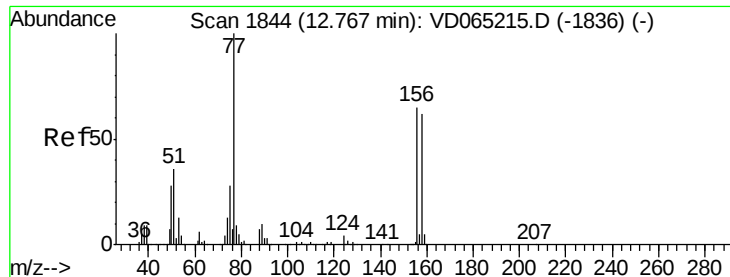
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	75	Resp:	51216
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.783 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

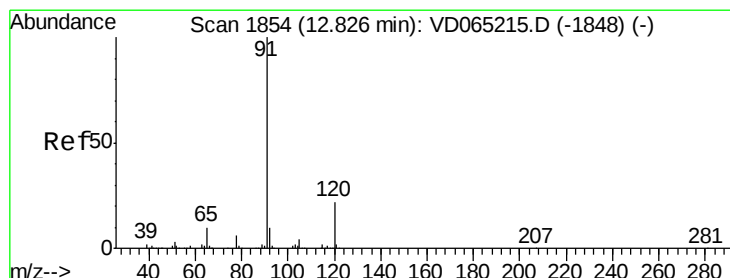
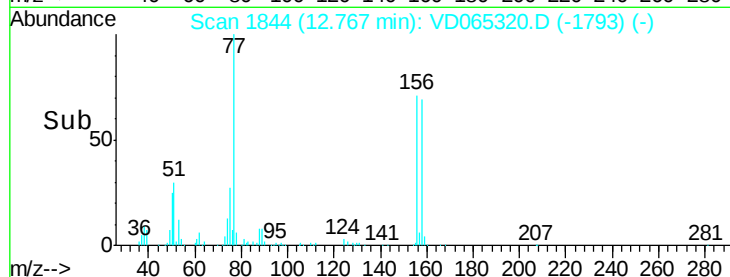
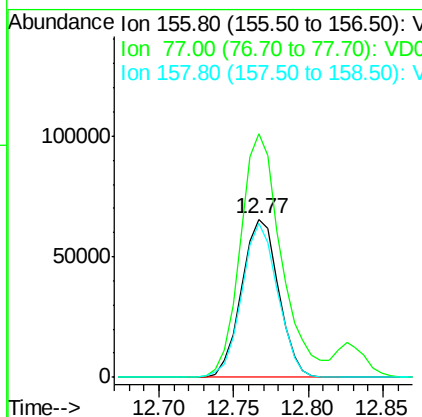
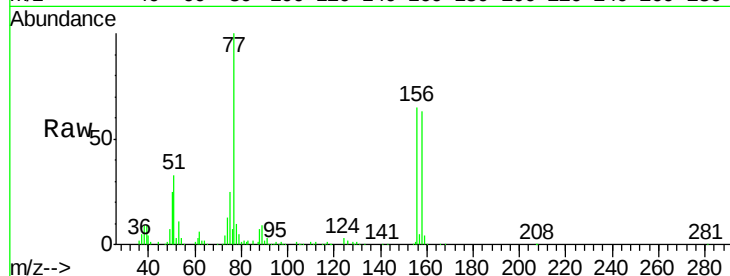
ClientSampleId :

VD0226SBS01

Tot Ion:	156	Resp:	112558
Ion Ratio	Lower	Upper	
156	100		
77	169.7	86.6	259.7
158	95.0	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 22.072 ug/l

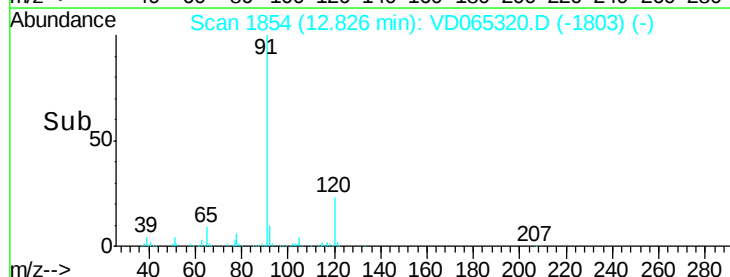
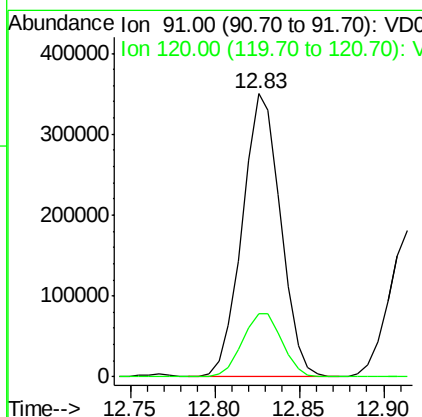
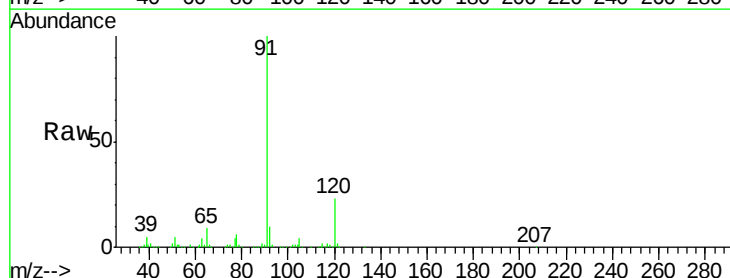
RT: 12.83 min Scan# 1854

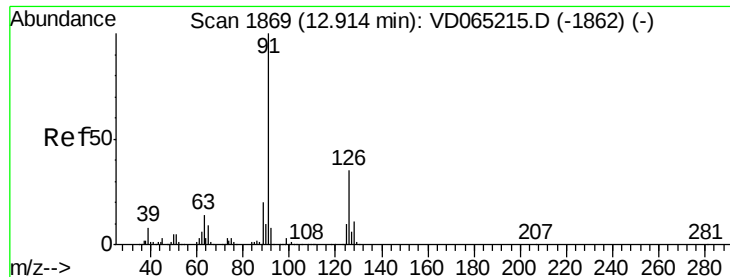
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	91	Resp:	551940
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.291 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 91 Resp: 298261

Ion Ratio Lower Upper

91 100

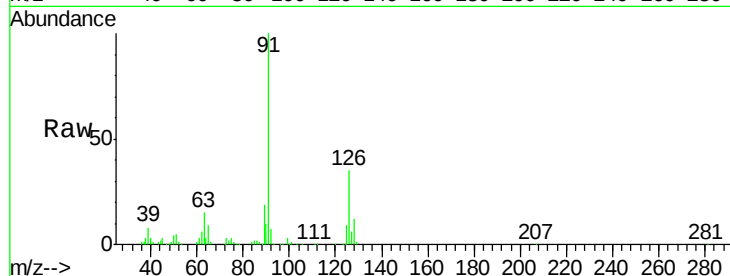
126 35.6 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065320.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065320.D (-1862) (-)

250000

200000

150000

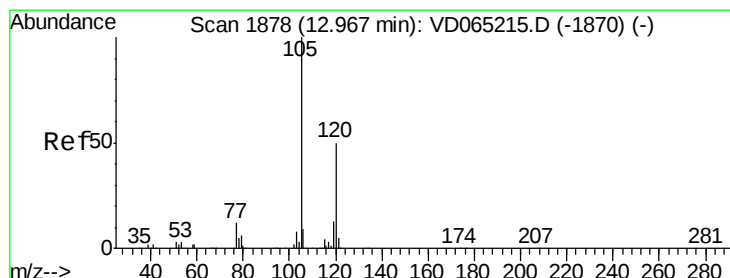
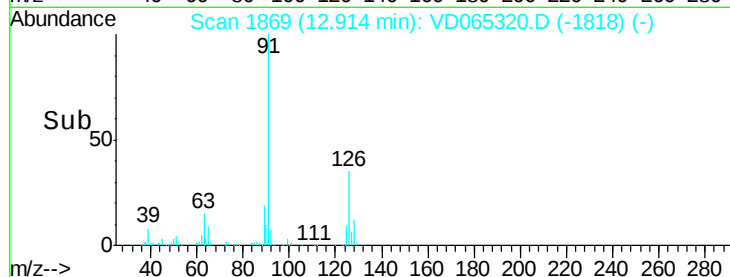
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.687 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065320.D

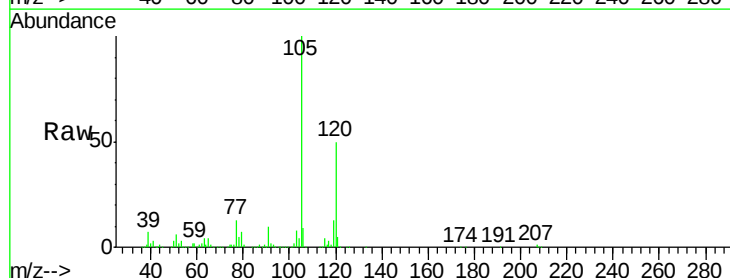
Acq: 26 Feb 2020 11:29

Tgt Ion: 105 Resp: 371685

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065320.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065320.D (-1870) (-)

250000

200000

150000

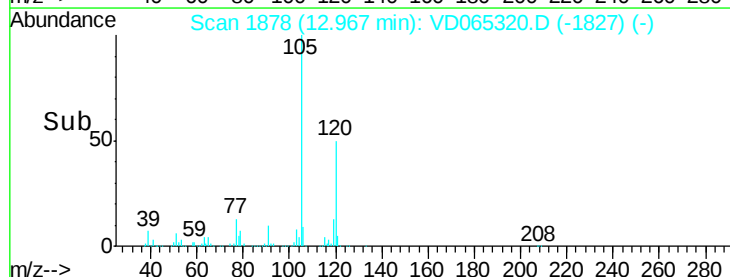
100000

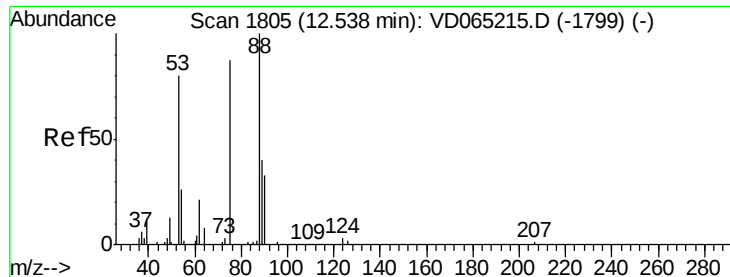
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.527 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

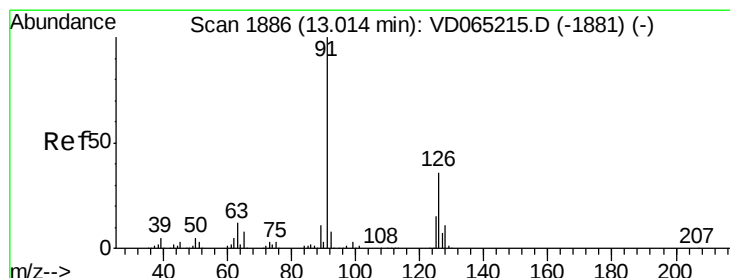
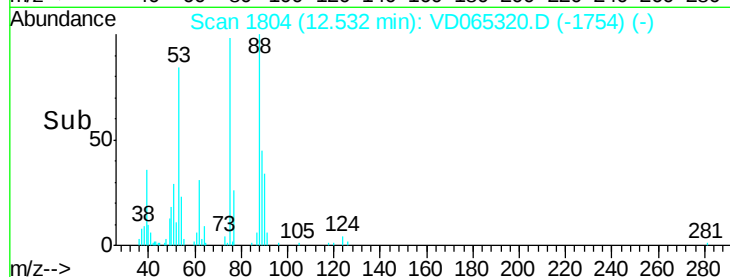
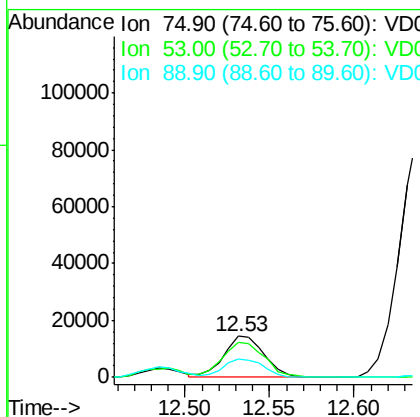
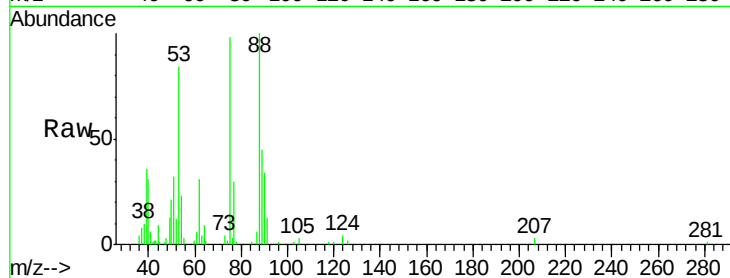
ClientSampleId :

VD0226SBS01

Tot Ion:	75	Resp:	24185
Ion	Ratio	Lower	Upper
75	100		
53	87.1	77.6	116.4
89	45.1	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.442 ug/l

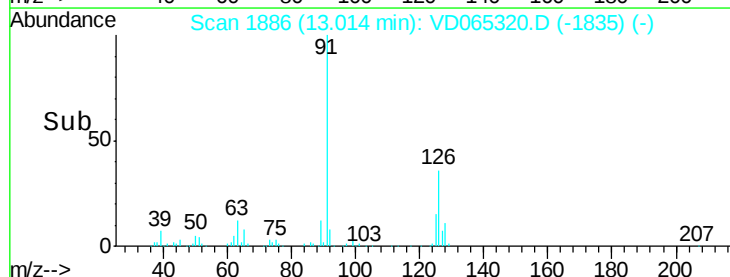
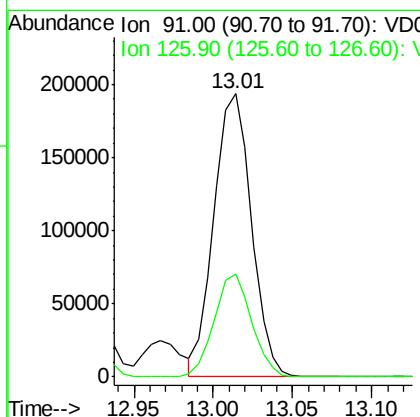
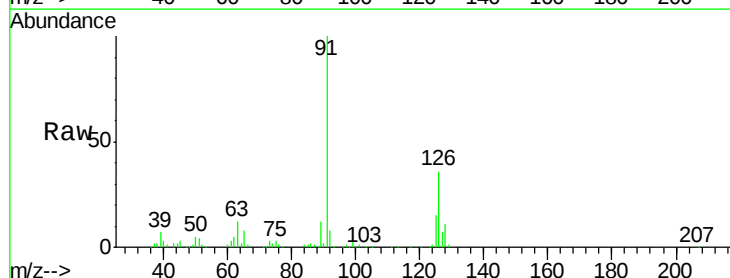
RT: 13.01 min Scan# 1886

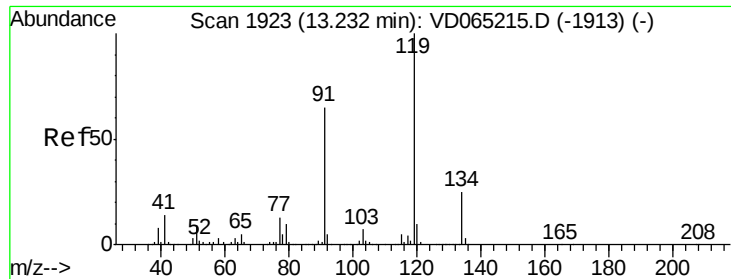
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	91	Resp:	318891
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.4	52.3





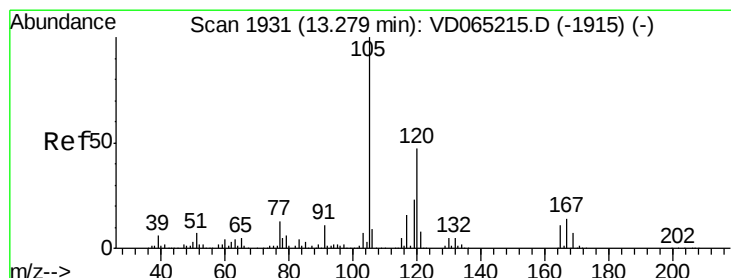
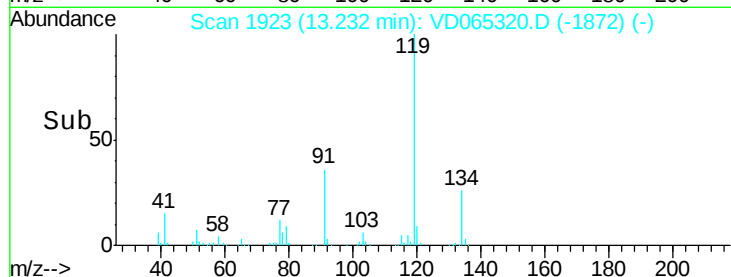
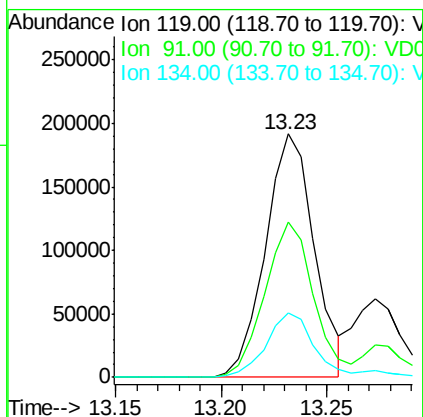
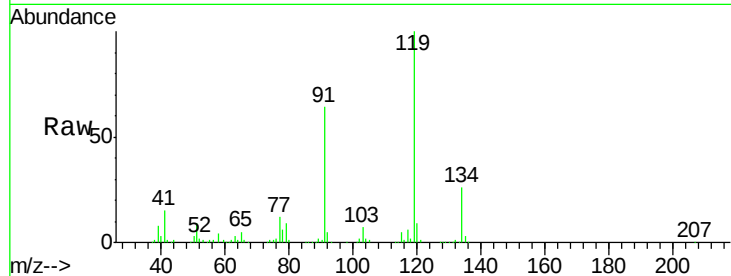
#83
tert-Butylbenzene
Concen: 21.490 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	308699		
91	63.9		31.9	95.5
134	27.5		13.8	41.3

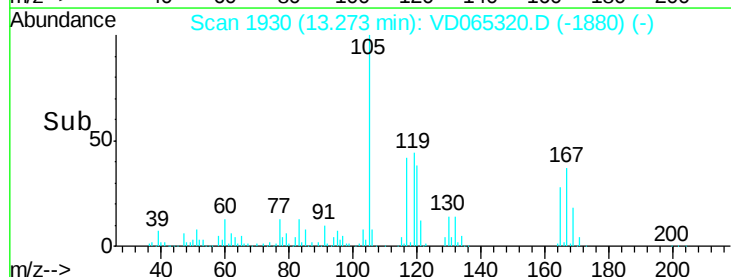
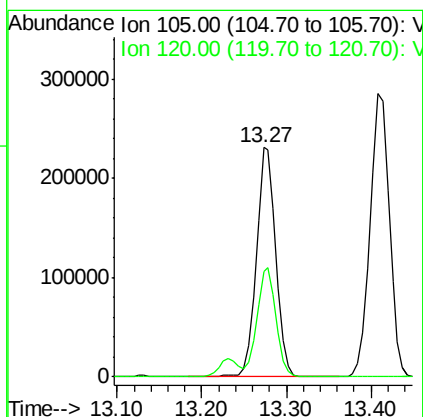
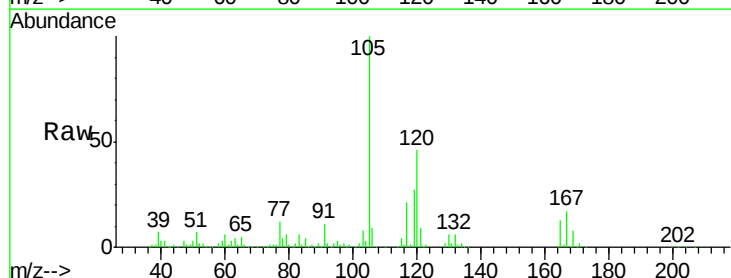
Manual Integrations
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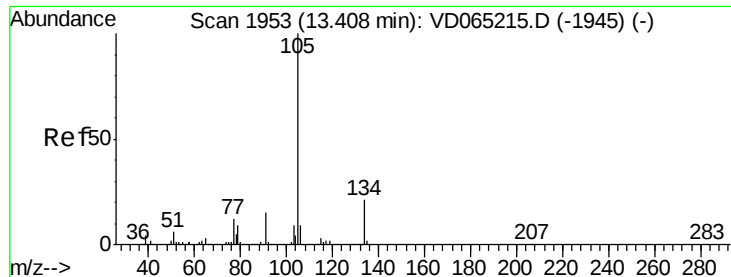
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372741		
120	46.5		23.3	69.9





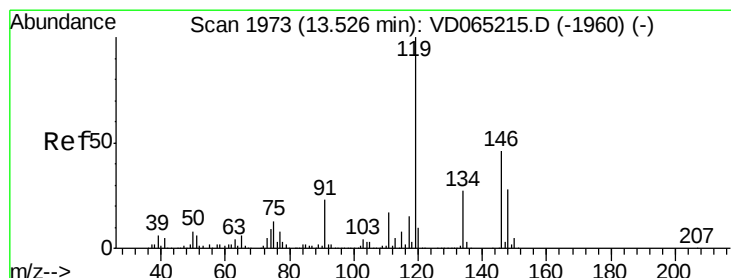
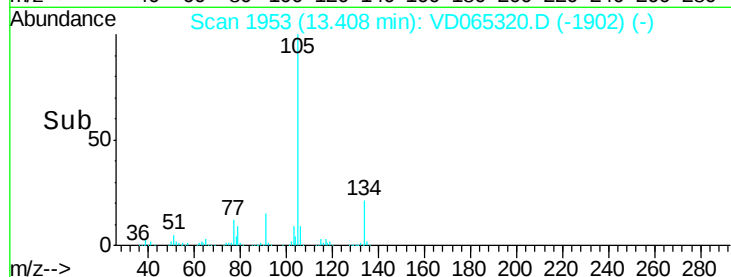
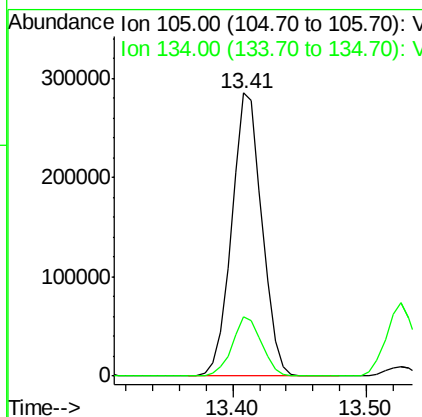
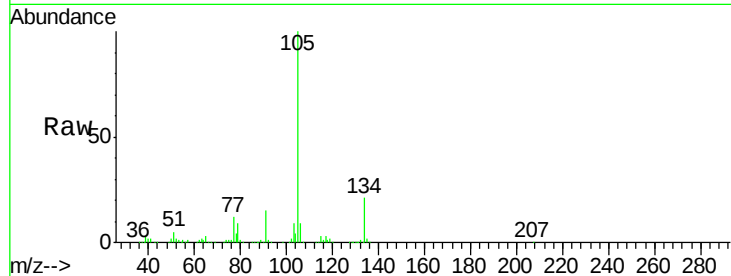
#85
 sec-Butylbenzene
 Concen: 21.625 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.9

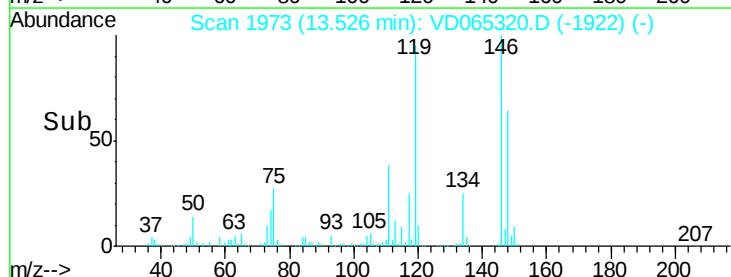
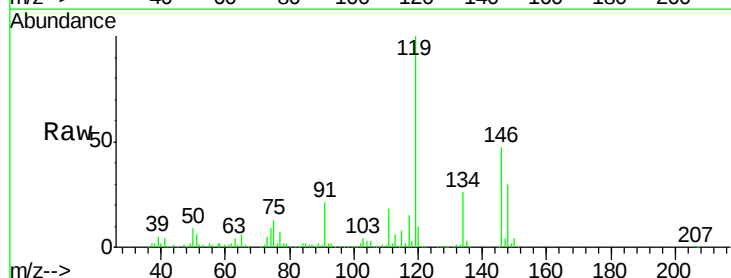
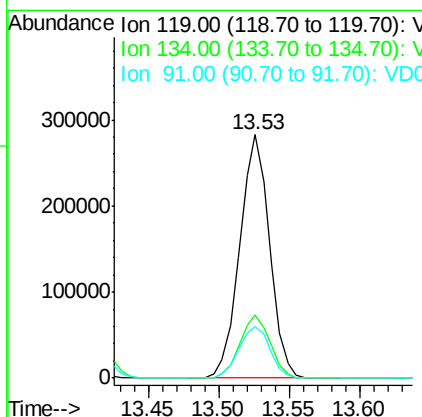
Manual Integrations
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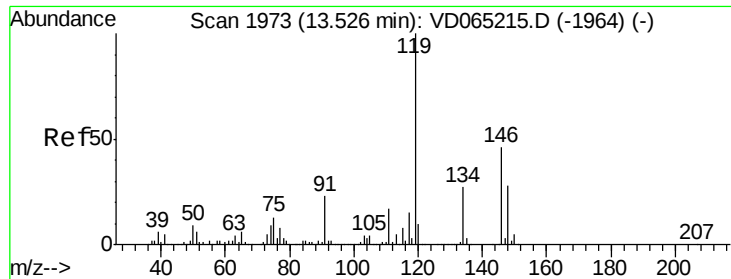
MMDadoda
 2/27/2020 11:39:21 AM



#86
 p-Isopropyltoluene
 Concen: 22.001 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	21.9	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 21.341 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Instrument :

MSVOA_D

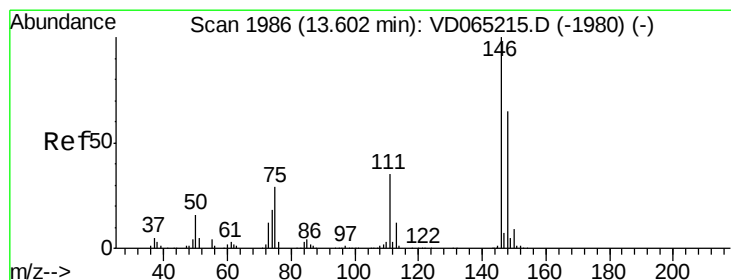
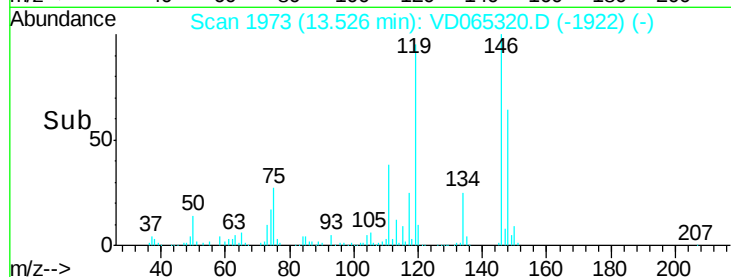
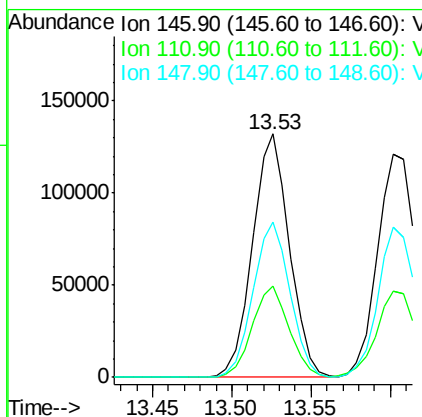
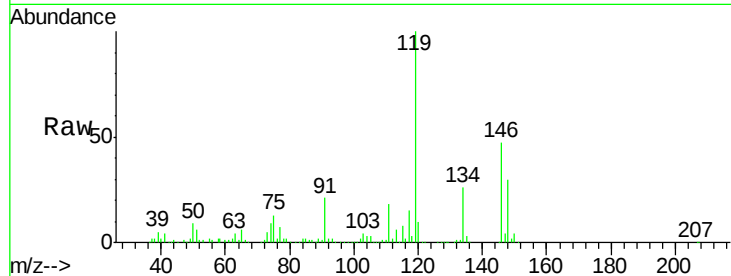
ClientSampleId :

VD0226SBS01

Tot Ion:	146	Resp:	213187
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.8
148	63.9	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.816 ug/l

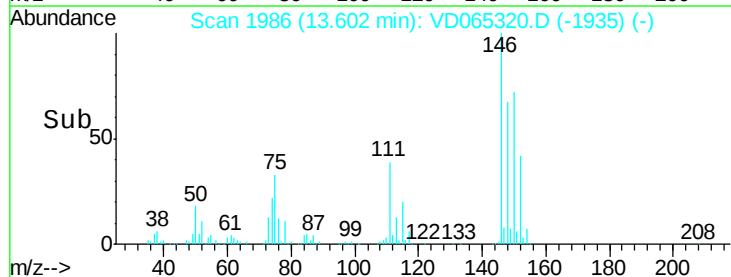
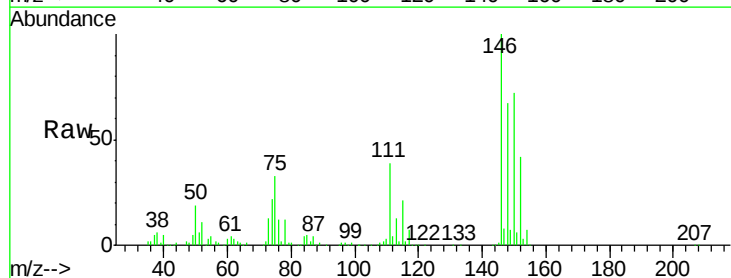
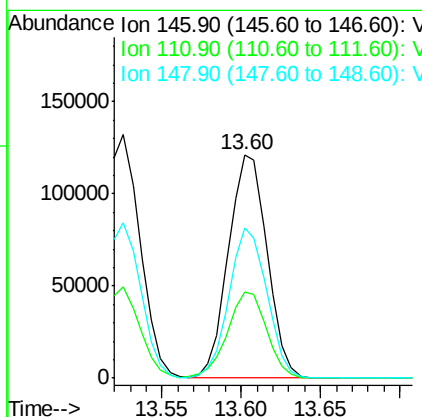
RT: 13.60 min Scan# 1986

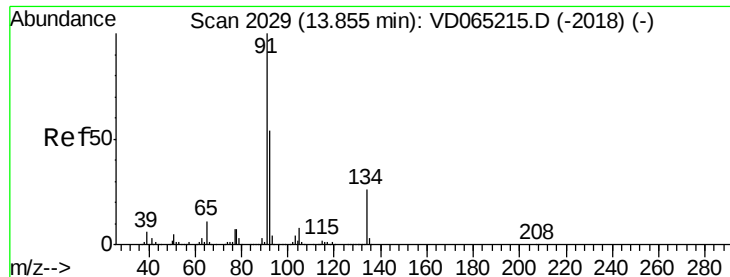
Delta R.T. 0.00 min

Lab File: VD065320.D

Acq: 26 Feb 2020 11:29

Tgt Ion:	146	Resp:	205232
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.4	55.2
148	66.0	32.1	96.5





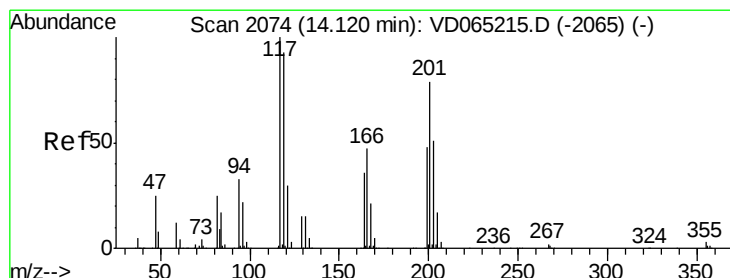
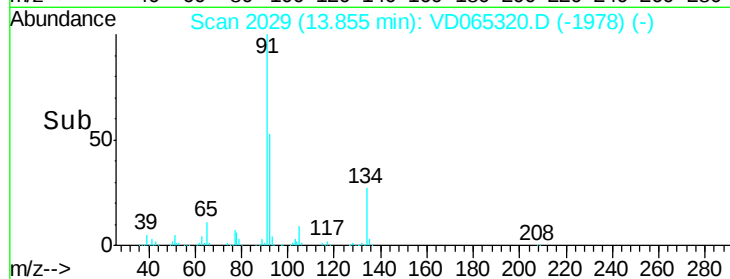
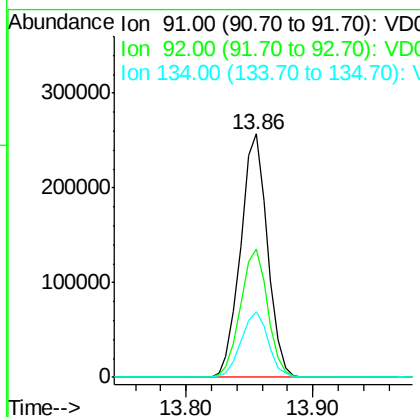
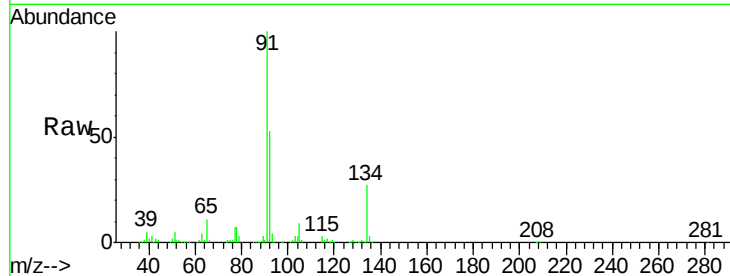
#89
n-Butylbenzene
Concen: 21.675 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	80.8
134	27.1	13.5	40.4

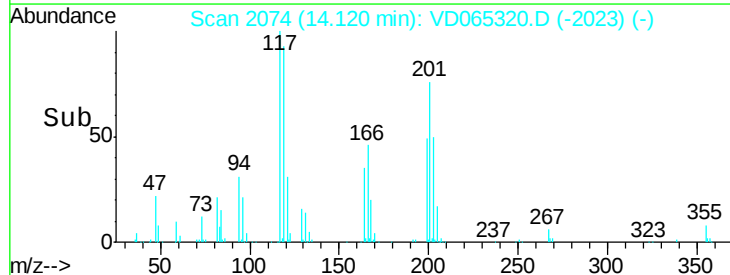
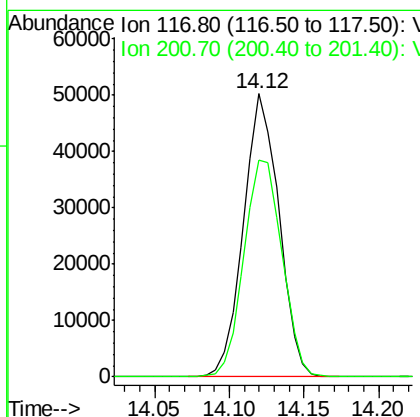
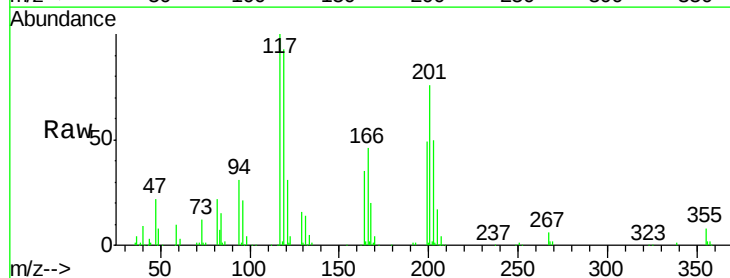
Manual Integrations
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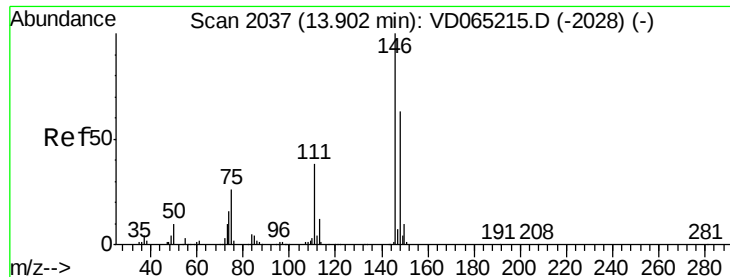
MMDadoda
2/27/2020 11:39:21 AM



#90
Hexachloroethane
Concen: 21.537 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.3	124.1





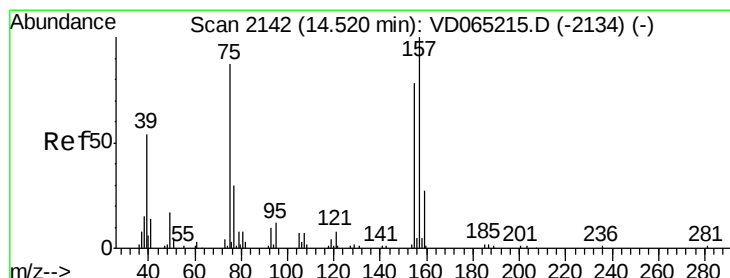
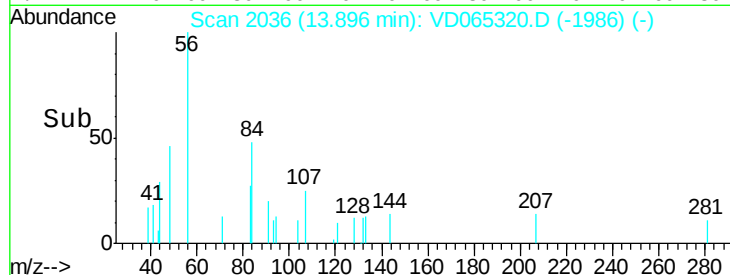
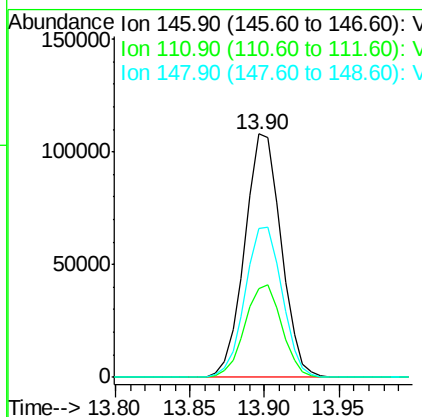
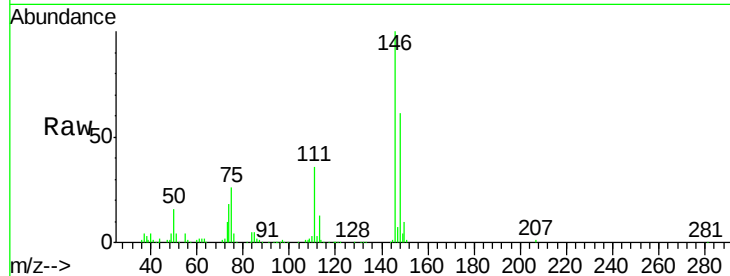
#91
 1,2-Dichlorobenzene
 Concen: 21.230 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182097		
111	38.5	19.7	59.0	
148	62.9	32.0	96.2	

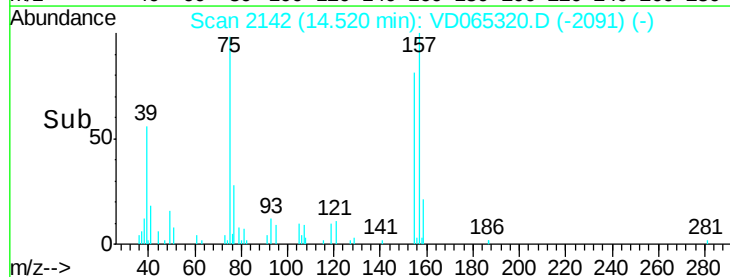
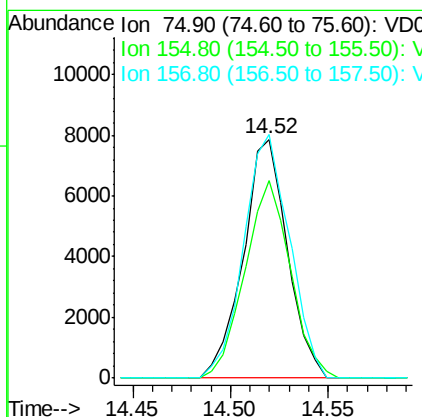
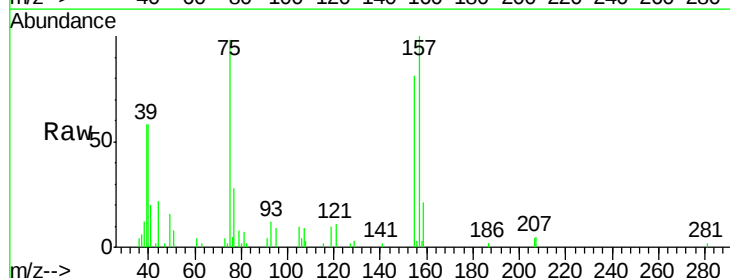
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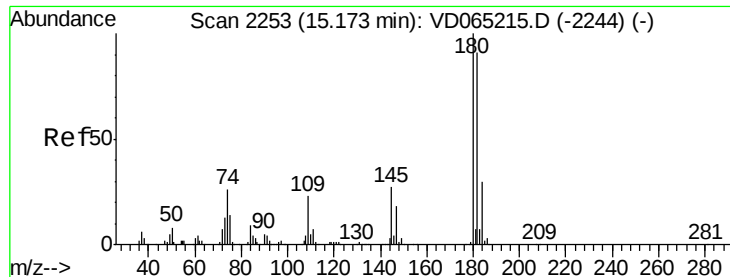
MMDadoda
 2/27/2020 11:39:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.270 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065320.D
 Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12310		
155	85.3	42.3	126.9	
157	106.1	56.7	170.1	





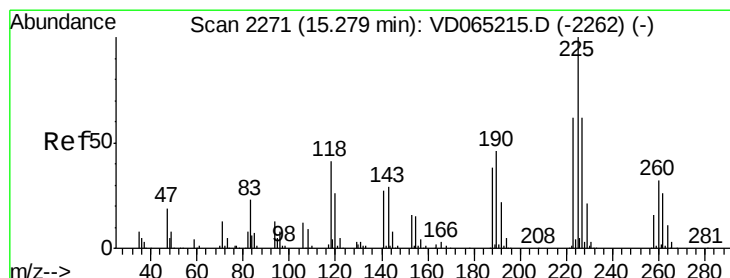
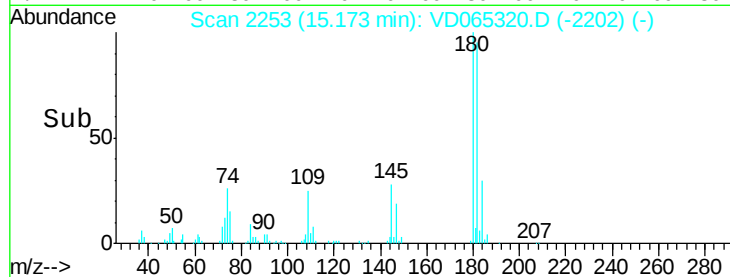
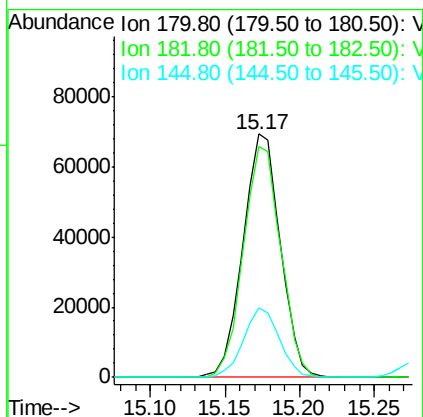
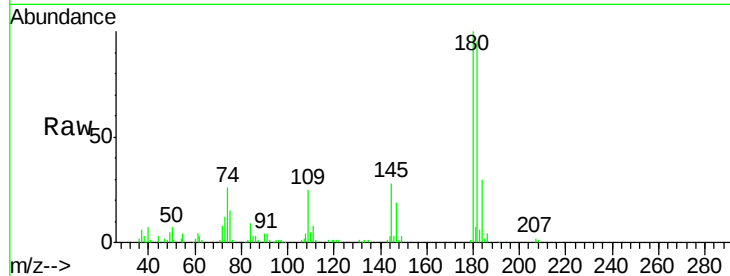
#93
1,2,4-Trichlorobenzene
Concen: 21.336 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119708		
182	94.9	46.9	140.6	
145	27.5	13.9	41.7	

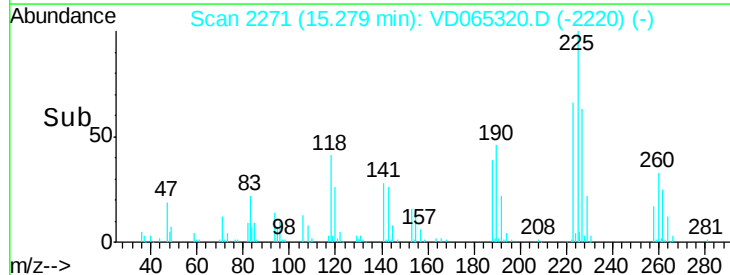
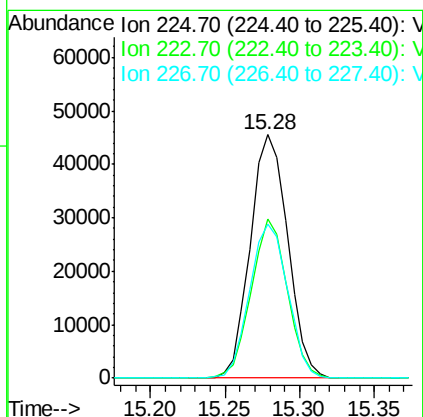
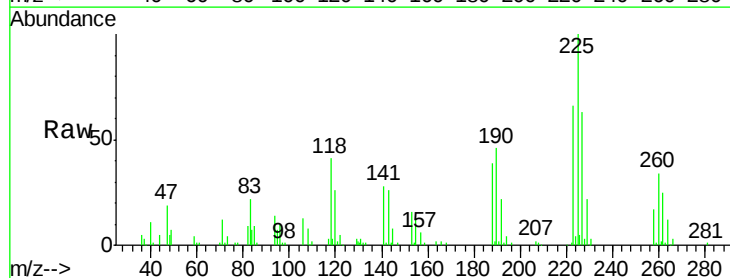
Manual Integrations
APPROVED

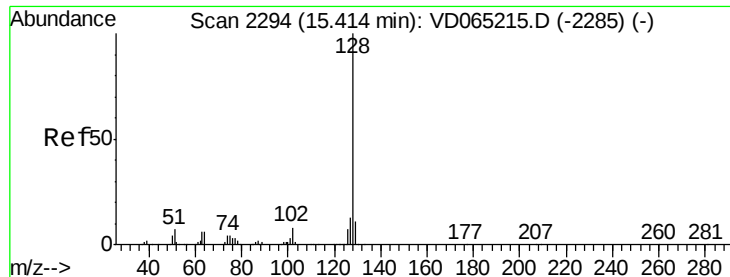
MMDadoda
2/27/2020 11:39:21 AM



#94
Hexachlorobutadiene
Concen: 21.937 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78953		
223	62.9	31.4	94.2	
227	64.4	31.7	95.1	





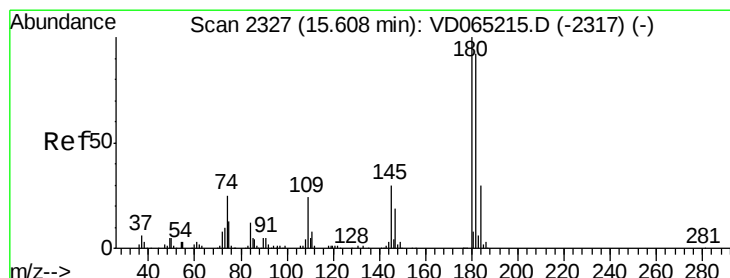
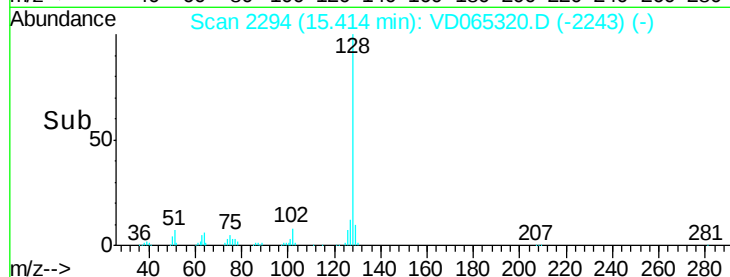
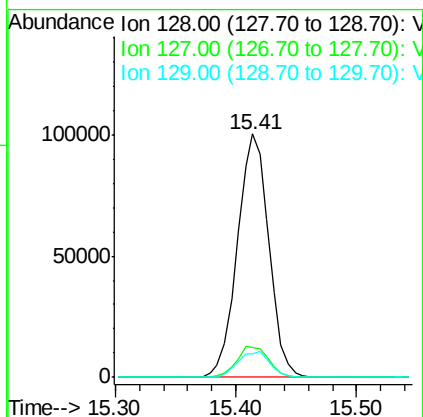
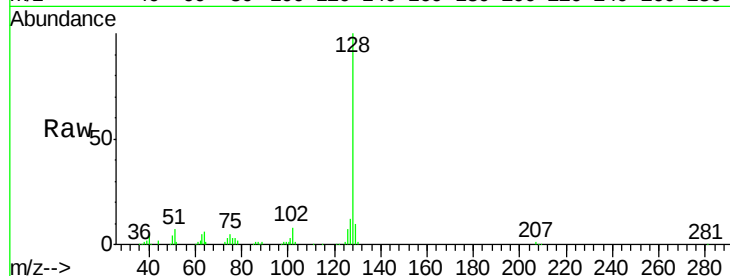
#95
Naphthalene
Concen: 19.954 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
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2/27/2020 11:39:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.352 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065320.D
Acq: 26 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	31.1	15.4	46.1

