

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065367.D
 Acq On : 28 Feb 2020 19:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:34 AM

Quant Time: Feb 28 22:18:15 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	396562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	601498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	570087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193732	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	7.92	113	198312	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.34	98	754478	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.64	95	250455	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	169460	50.948	ug/l	97
3) Chloromethane	2.21	50	208180	49.174	ug/l	99
4) Vinyl Chloride	2.35	62	202886	47.129	ug/l	99
5) Bromomethane	2.77	94	131420	50.490	ug/l	98
6) Chloroethane	2.93	64	128776	49.006	ug/l	99
7) Trichlorofluoromethane	3.27	101	316445	51.343	ug/l	96
8) Diethyl Ether	3.71	74	109450	58.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202744	52.090	ug/l	99
10) Methyl Iodide	4.30	142	222183	54.980	ug/l	99
11) Tert butyl alcohol	5.24	59	62425	292.827	ug/l	98
12) 1,1-Dichloroethene	4.06	96	189356	51.501	ug/l	99
13) Acrolein	3.93	56	81083	318.527	ug/l	100
14) Allyl chloride	4.71	41	321709	53.882	ug/l	97
15) Acrylonitrile	5.43	53	252300	306.310	ug/l	100
16) Acetone	4.17	43	215403	247.001	ug/l	96
17) Carbon Disulfide	4.40	76	598197	48.529	ug/l	99
18) Methyl Acetate	4.73	43	115587	58.932	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	462604	60.335	ug/l	99
20) Methylene Chloride	4.96	84	242377	63.694	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	228754	54.729	ug/l	97
22) Diisopropyl ether	6.37	45	689388	59.894	ug/l	99
23) Vinyl Acetate	6.31	43	1973148	310.954	ug/l	100
24) 1,1-Dichloroethane	6.27	63	397254	55.643	ug/l	99
25) 2-Butanone	7.23	43	309830	280.805	ug/l	97
26) 2,2-Dichloropropane	7.21	77	325482	52.546	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	251994	56.917	ug/l	98
28) Bromochloromethane	7.55	49	163394	61.690	ug/l	99
29) Tetrahydrofuran	7.57	42	199486	308.570	ug/l	99
30) Chloroform	7.71	83	403209	56.059	ug/l	98
31) Cyclohexane	7.98	56	344962	49.178	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	346023	53.769	ug/l	99
36) 1,1-Dichloropropene	8.11	75	305118	52.134	ug/l	100
37) Ethyl Acetate	7.30	43	138020	56.412	ug/l	98
38) Carbon Tetrachloride	8.10	117	308380	51.760	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	362010	52.614	ug/l	96
40) Benzene	8.36	78	907456	54.932	ug/l	100
41) Methacrylonitrile	7.53	41	77357m	54.759	ug/l	
42) 1,2-Dichloroethane	8.43	62	254192	55.972	ug/l	100
43) Isopropyl Acetate	8.46	43	258228	58.039	ug/l	99
44) Trichloroethene	9.11	130	248190	54.200	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234349	57.051	ug/l	99
46) Dibromomethane	9.48	93	123746	58.550	ug/l	99
47) Bromodichloromethane	9.67	83	316499	56.824	ug/l	99
48) Methyl methacrylate	9.46	41	122186	59.413	ug/l	96
49) 1,4-Dioxane	9.47	88	30398	1226.308	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	689511	305.121	ug/l	100
52) Toluene	10.41	92	580958	56.816	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304491	58.979	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	365213	58.582	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	173400	58.290	ug/l	97
56) Ethyl methacrylate	10.67	69	218549	63.651	ug/l	98
57) 1,3-Dichloropropane	10.95	76	299584	59.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	283590	261.978	ug/l	98
59) 2-Hexanone	10.99	43	464846	287.359	ug/l	95
60) Dibromochloromethane	11.14	129	225256	59.162	ug/l	99
61) 1,2-Dibromoethane	11.25	107	168792	59.929	ug/l	100
64) Tetrachloroethene	10.88	164	209563	51.830	ug/l	98
65) Chlorobenzene	11.67	112	620375	54.228	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	234387	54.902	ug/l	99
67) Ethyl Benzene	11.75	91	1093188	54.560	ug/l	99
68) m/p-Xylenes	11.86	106	842035	109.844	ug/l	99
69) o-Xylene	12.19	106	383324	56.442	ug/l	99
70) Styrene	12.20	104	687601	57.025	ug/l	100
71) Bromoform	12.37	173	135107	57.032	ug/l #	99
73) Isopropylbenzene	12.48	105	1025843	53.603	ug/l	99
74) N-amyl acetate	12.30	43	235770	55.442	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188300	54.517	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	131790m	53.584	ug/l	
77) Bromobenzene	12.77	156	259312	54.566	ug/l	99
78) n-propylbenzene	12.83	91	1216676	52.902	ug/l	99
79) 2-Chlorotoluene	12.91	91	688302	53.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856538	54.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61366	53.873	ug/l	96
82) 4-Chlorotoluene	13.01	91	728136	53.234	ug/l	99
83) tert-Butylbenzene	13.23	119	707759	53.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	858839	54.436	ug/l	99
85) sec-Butylbenzene	13.41	105	1001230	52.596	ug/l	100
86) p-Isopropyltoluene	13.53	119	932422	53.561	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	487043	53.013	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	482140	53.173	ug/l	99
89) n-Butylbenzene	13.86	91	863056	53.800	ug/l	99
90) Hexachloroethane	14.13	117	184430	52.176	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	430642	54.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28911	54.316	ug/l	94

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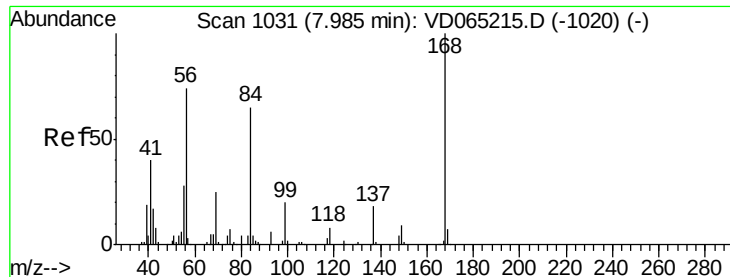
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	298657	57.880	ug/l	98
94) Hexachlorobutadiene	15.28	225	171637	51.854	ug/l	99
95) Naphthalene	15.41	128	516945	61.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259682	57.623	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 396562

Ion Ratio Lower Upper

168 100

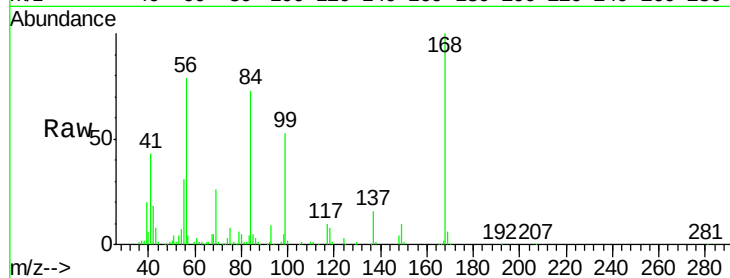
99 52.9 41.4 62.2

Manual Integrations

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3/2/2020 10:35:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

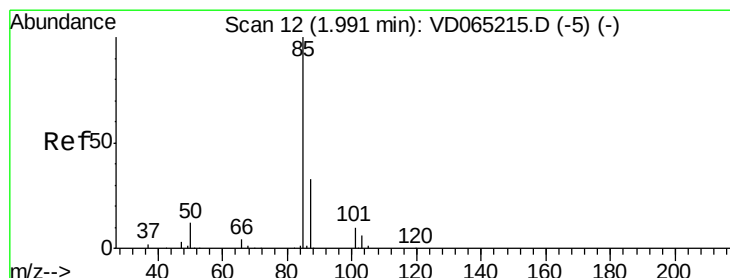
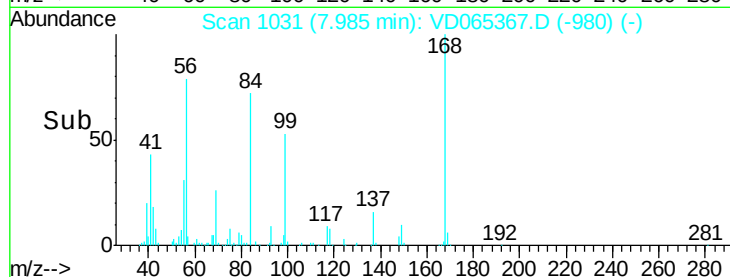
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.948 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065367.D

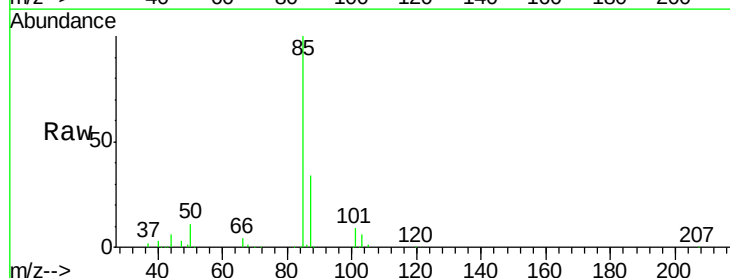
Acq: 28 Feb 2020 19:09

Tgt Ion: 85 Resp: 169460

Ion Ratio Lower Upper

85 100

87 34.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

50000

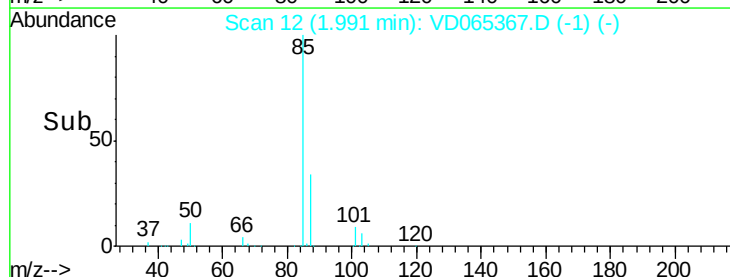
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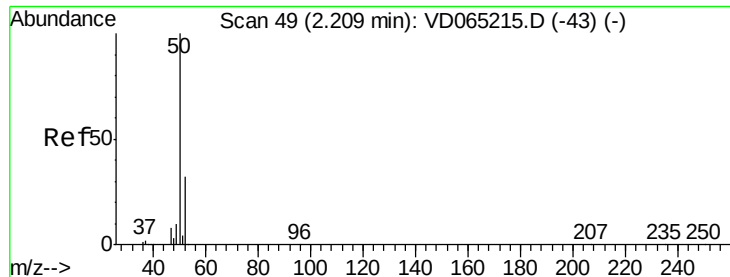
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 49.174 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 208180

Ion Ratio Lower Upper

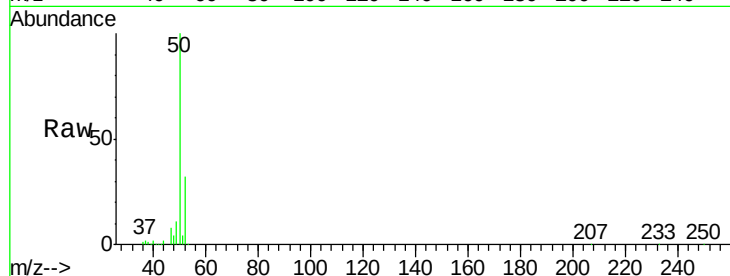
50 100

52 32.2 25.5 38.3

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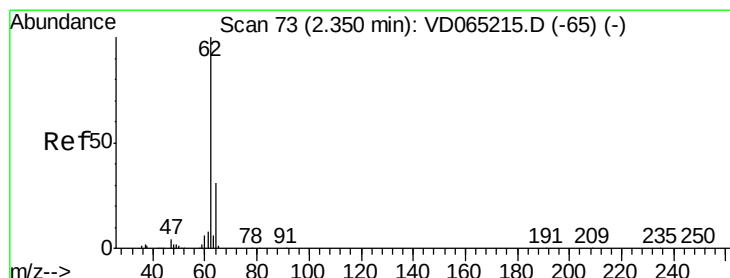
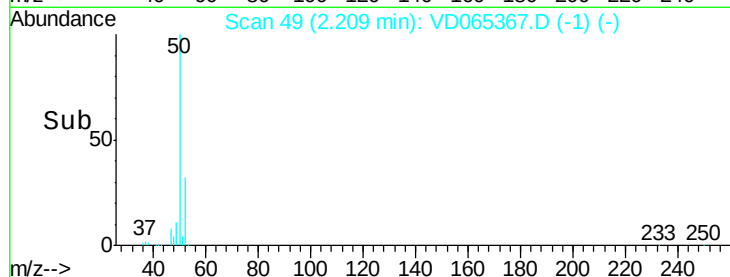
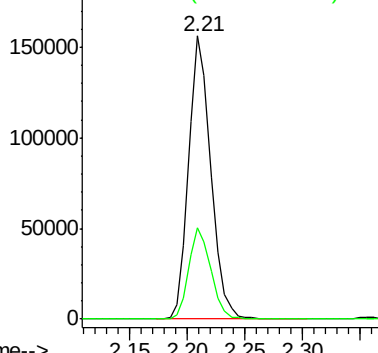
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.129 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065367.D

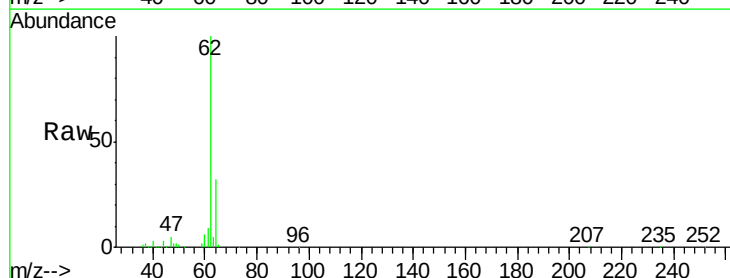
Acq: 28 Feb 2020 19:09

Tgt Ion: 62 Resp: 202886

Ion Ratio Lower Upper

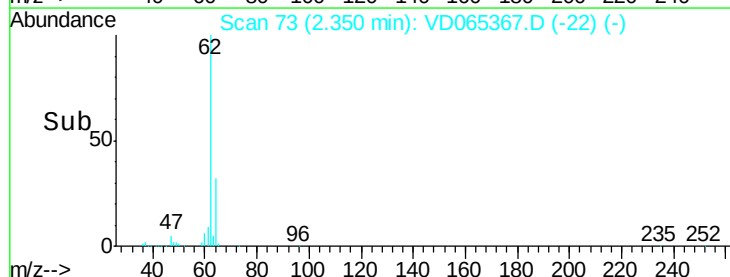
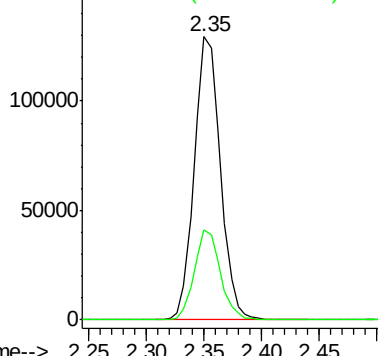
62 100

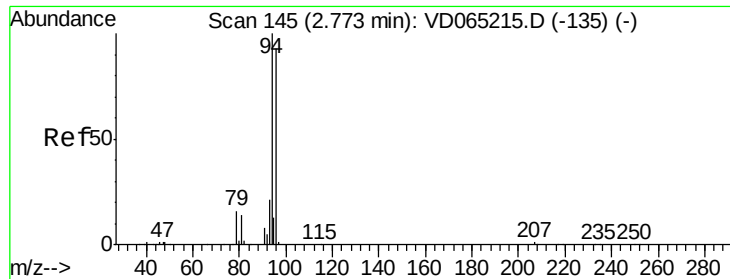
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.490 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065367.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 131420

Ion Ratio Lower Upper

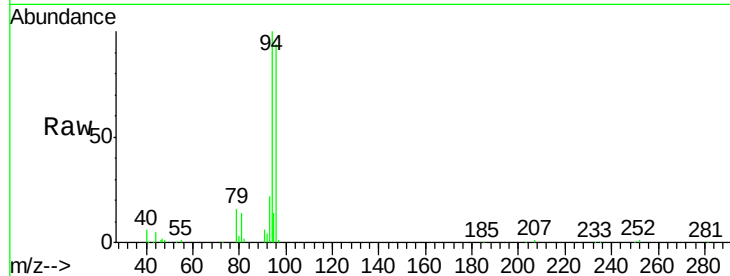
94 100

96 94.3 74.2 111.4

Manual Integrations
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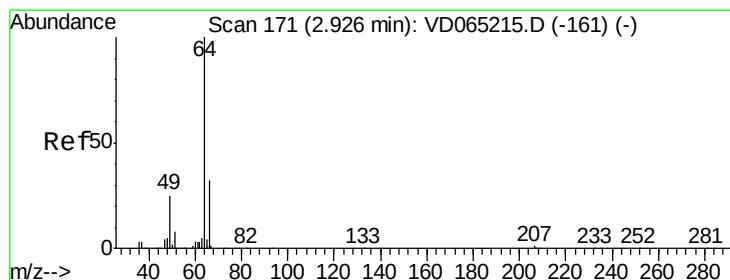
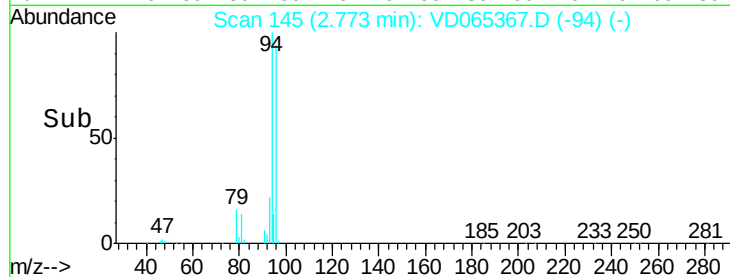
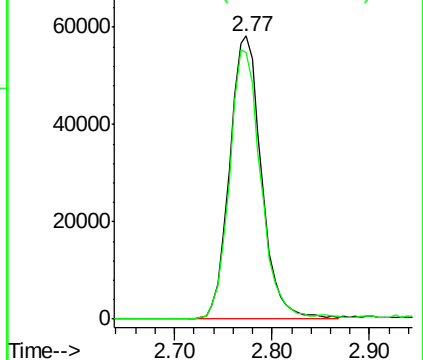
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3/2/2020 10:35:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.006 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065367.D

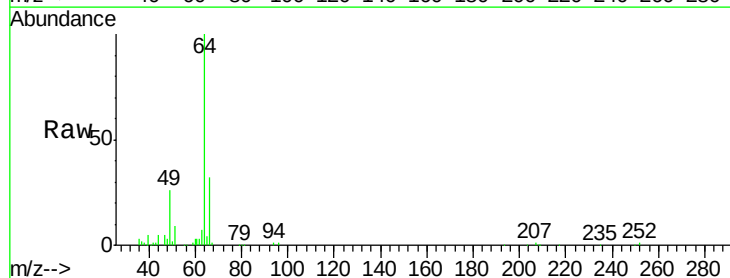
Acq: 28 Feb 2020 19:09

Tgt Ion: 64 Resp: 128776

Ion Ratio Lower Upper

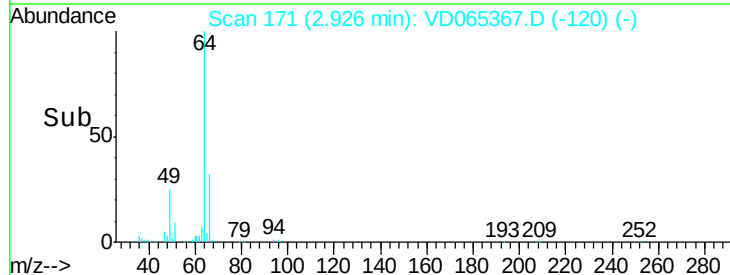
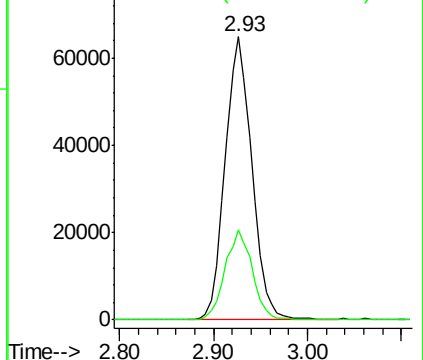
64 100

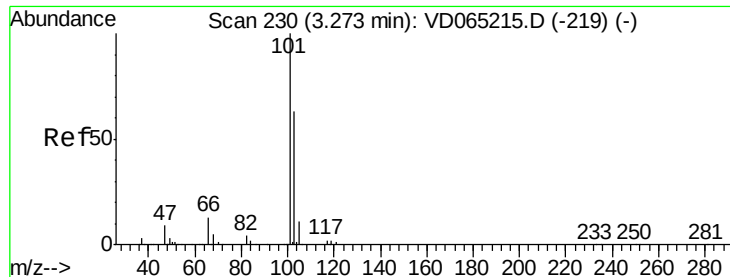
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

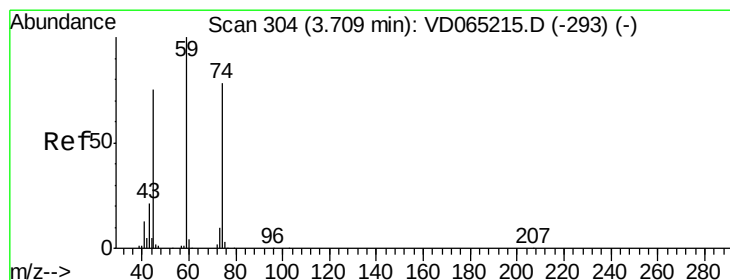
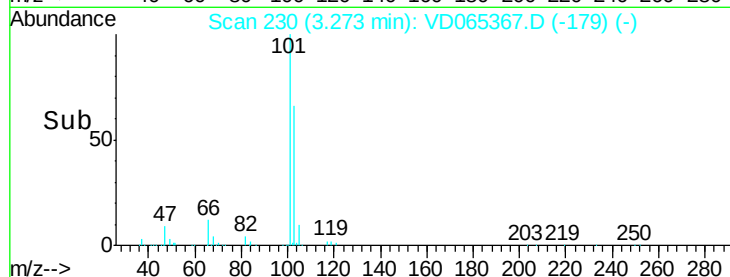
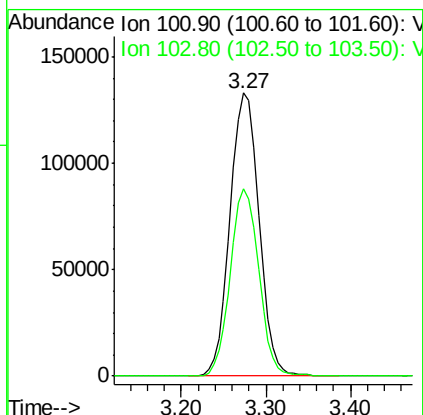
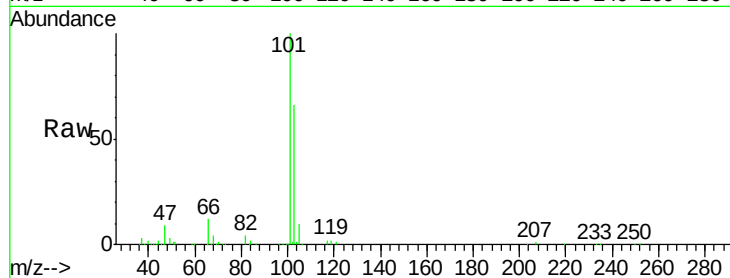
Trichlorofluoromethane
Concen: 51.343 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065367.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.7	76.1

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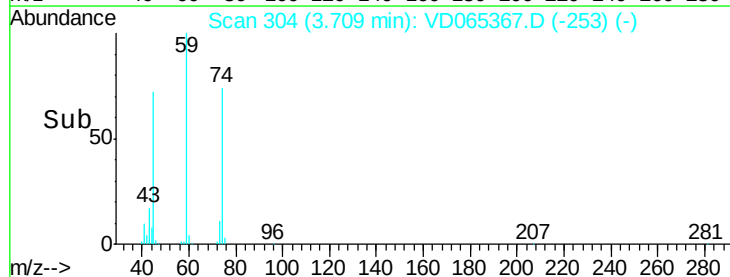
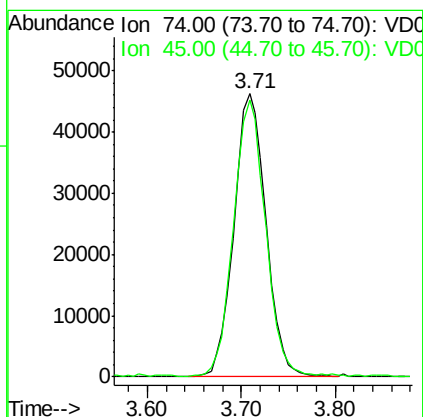
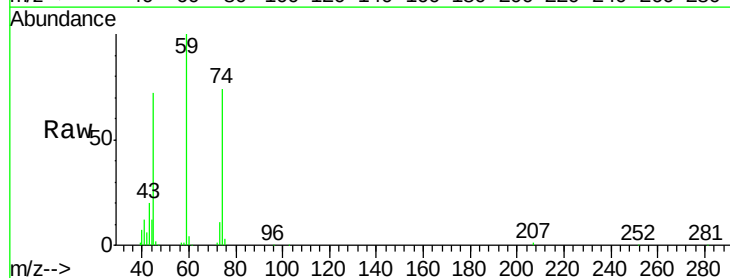
MMDadoda
3/2/2020 10:35:34 AM

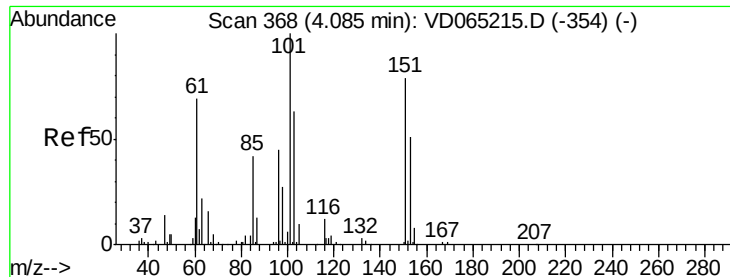


#8

Diethyl Ether
Concen: 58.831 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.090 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

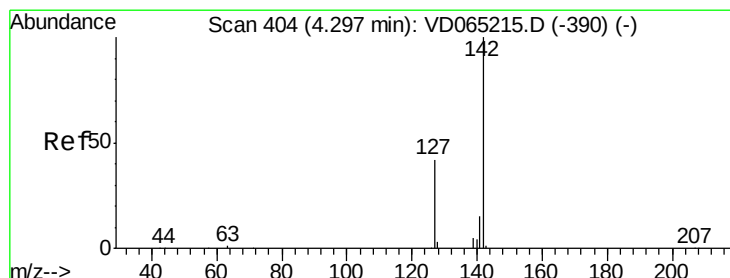
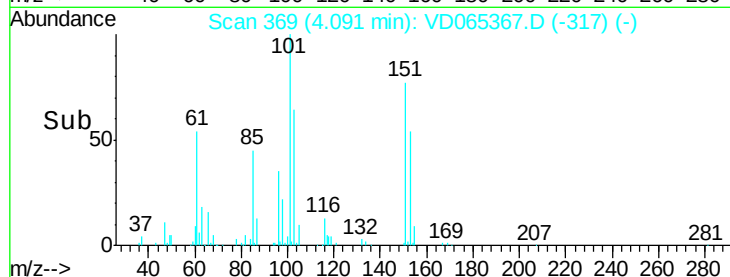
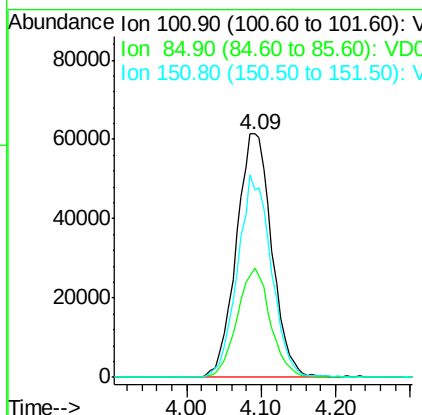
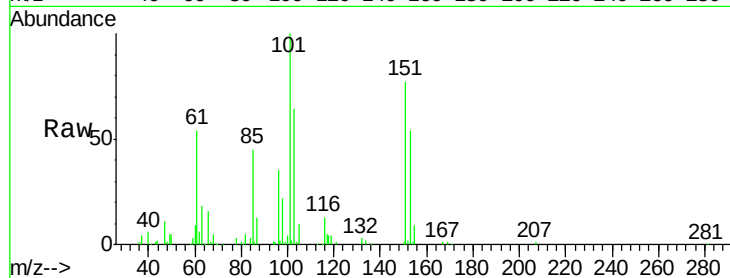
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	202744
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	78.8	63.5	95.3

Manual Integrations
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3/2/2020 10:35:34 AM



#10

Methyl Iodide

Concen: 54.980 ug/l

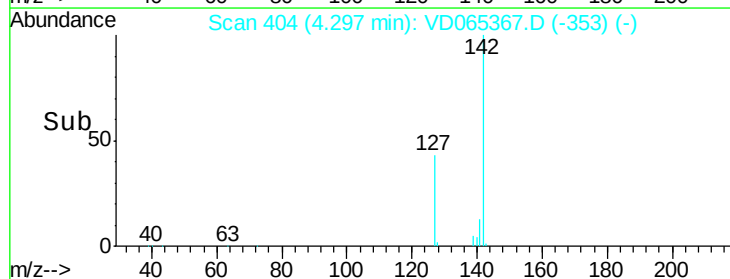
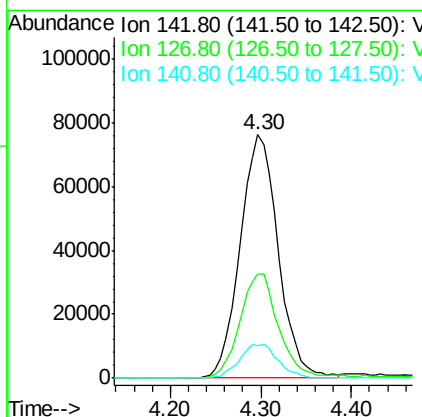
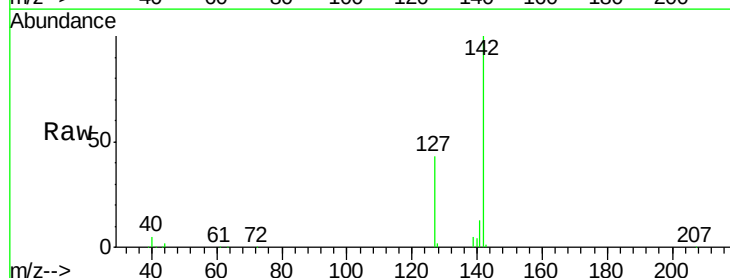
RT: 4.30 min Scan# 404

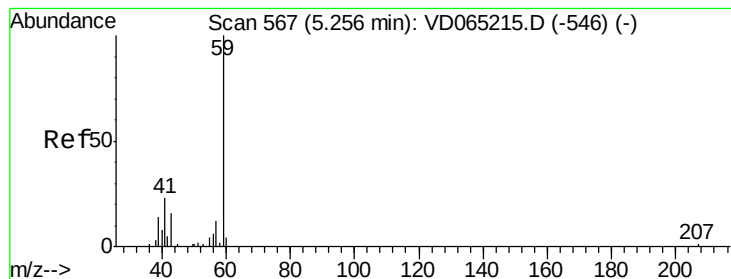
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion:	142	Resp:	222183
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.8	50.8
141	14.2	11.7	17.5





#11

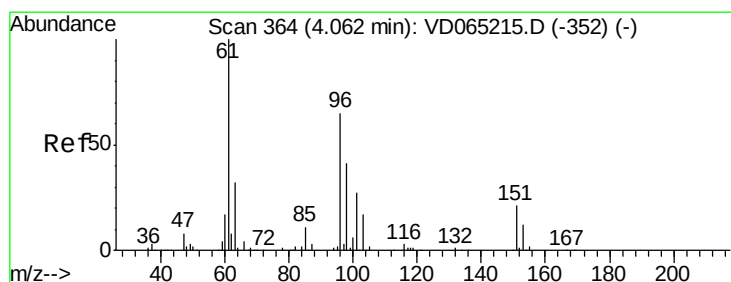
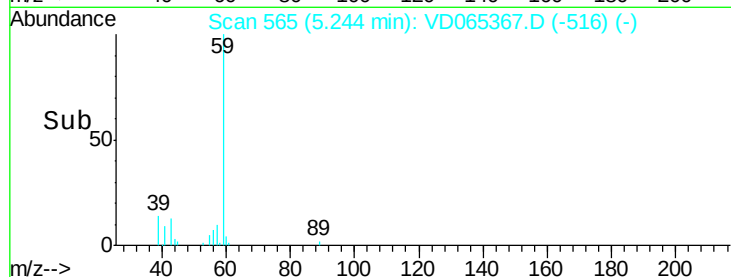
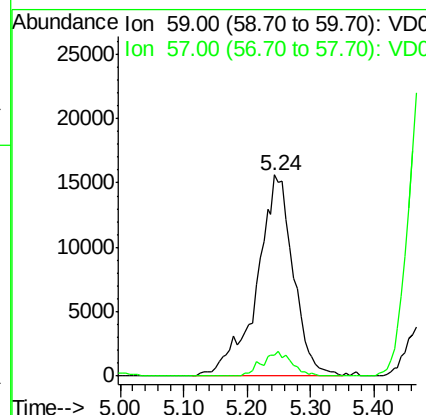
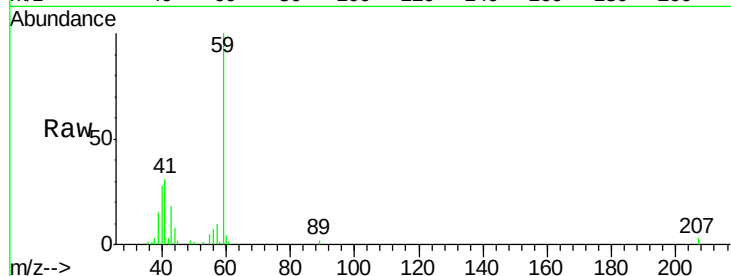
Tert butyl alcohol
Concen: 292.827 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
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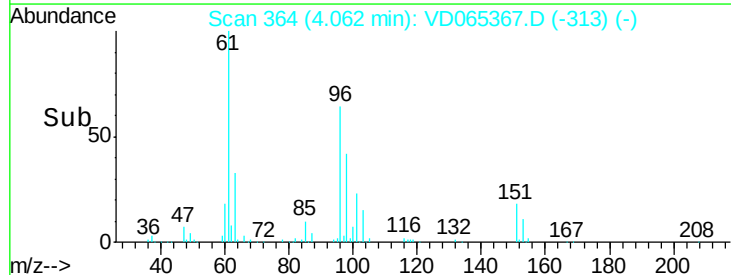
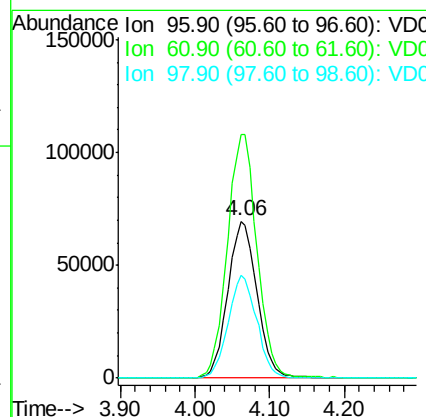
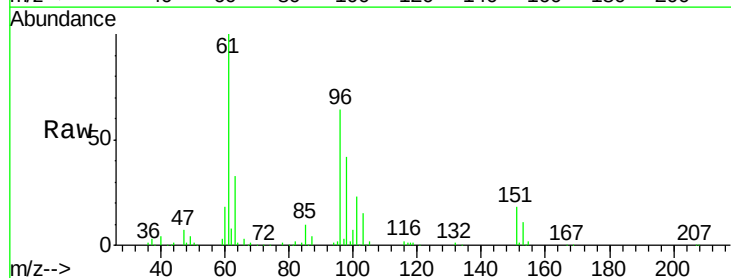
MMDadoda
3/2/2020 10:35:34 AM

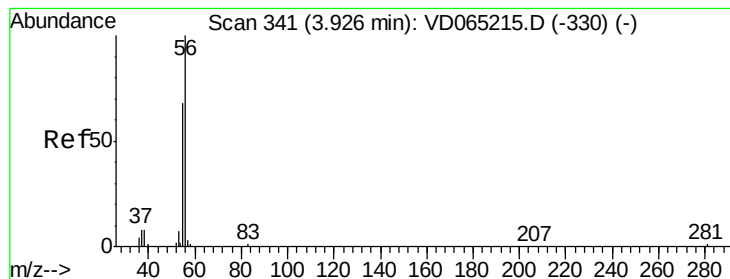


#12

1,1-Dichloroethene
Concen: 51.501 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	123.3	184.9
98	65.5	51.0	76.4





#13

Acrolein

Concen: 318.527 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 81083

Ion Ratio Lower Upper

56 100

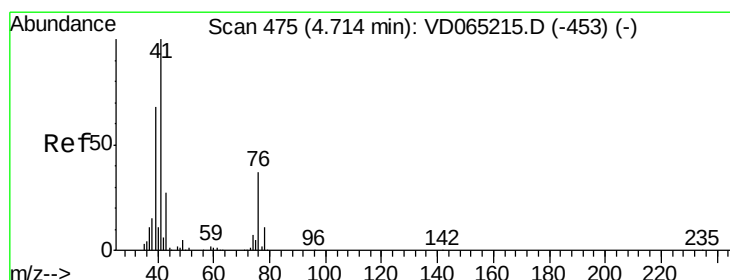
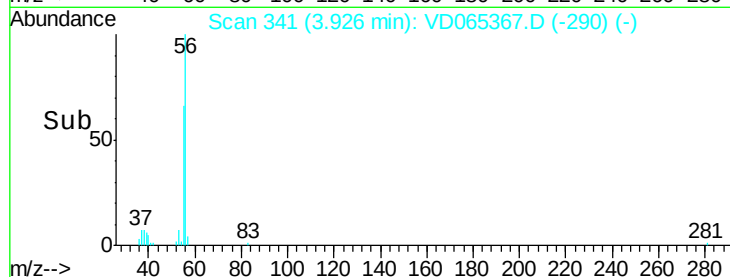
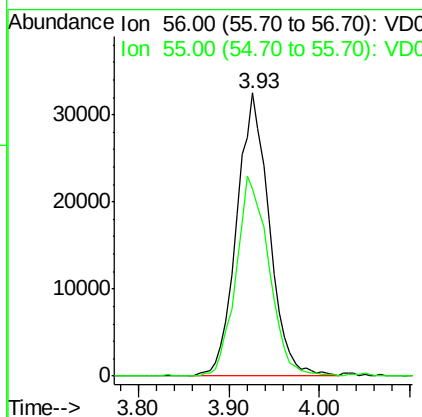
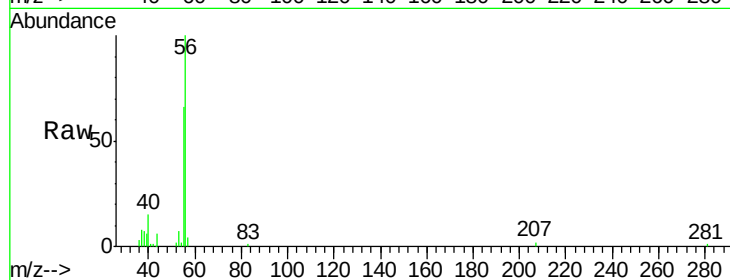
55 71.1 56.6 85.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 53.882 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

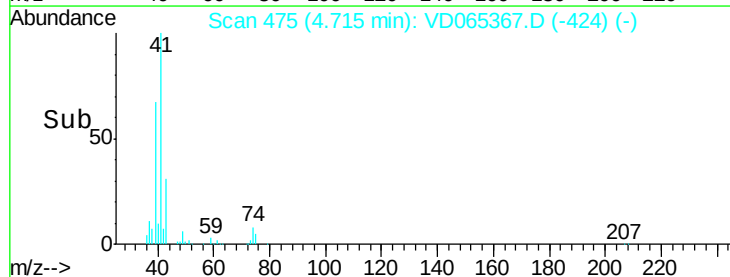
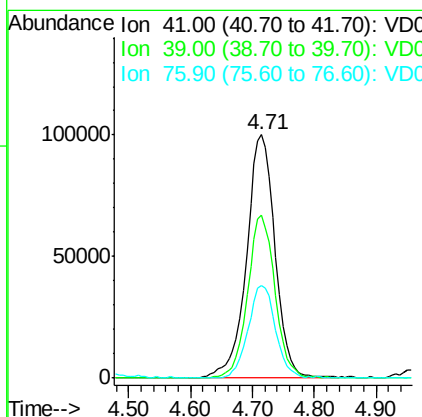
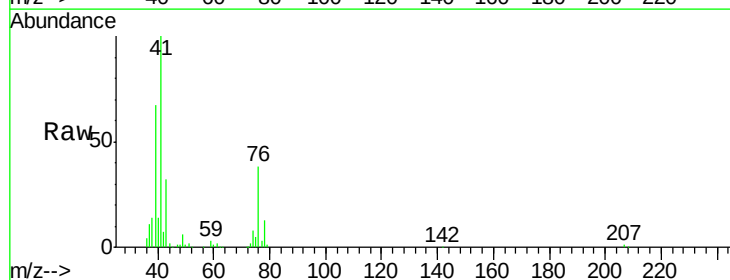
Tgt Ion: 41 Resp: 321709

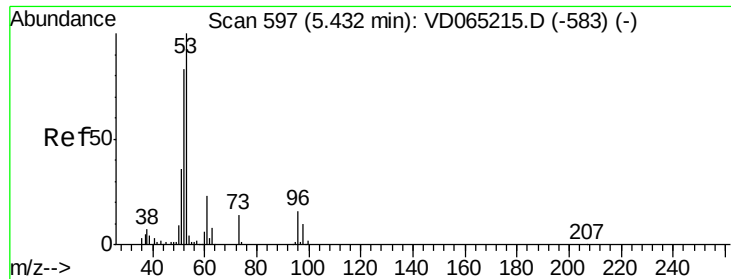
Ion Ratio Lower Upper

41 100

39 64.3 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 306.310 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

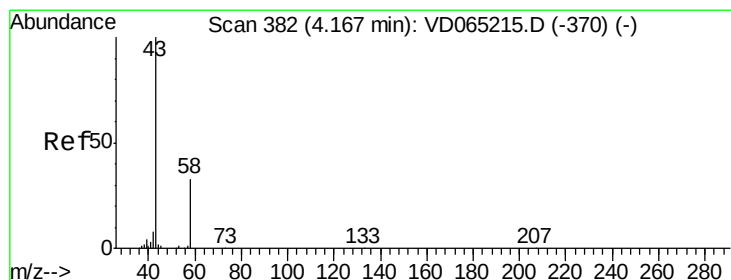
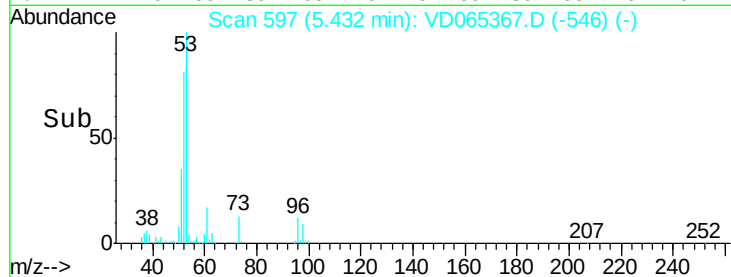
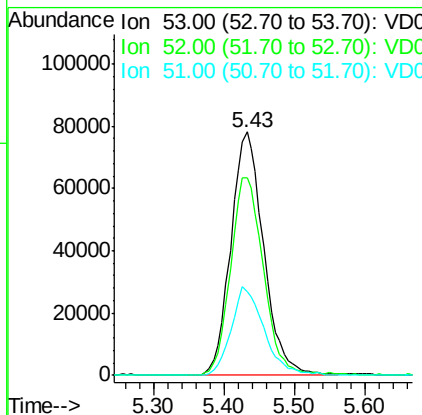
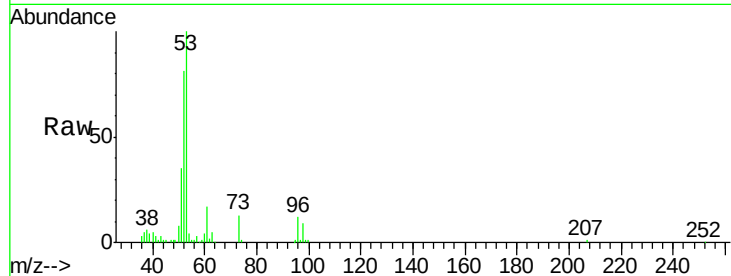
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	252300
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.4	98.2
51	36.7	29.5	44.3

Manual Integrations
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3/2/2020 10:35:34 AM



#16

Acetone

Concen: 247.001 ug/l

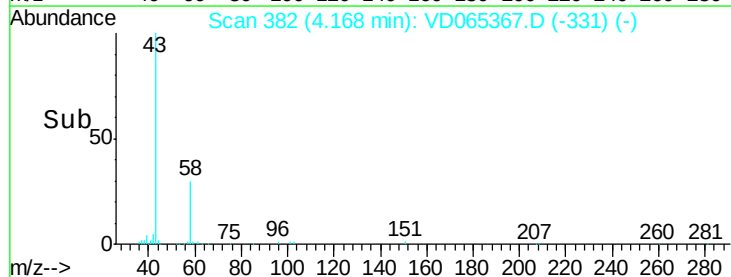
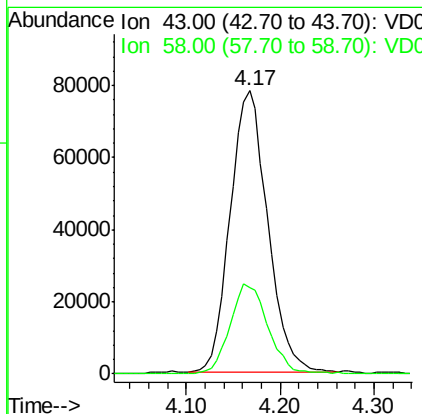
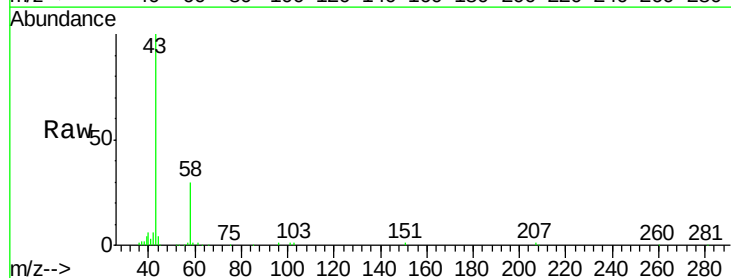
RT: 4.17 min Scan# 382

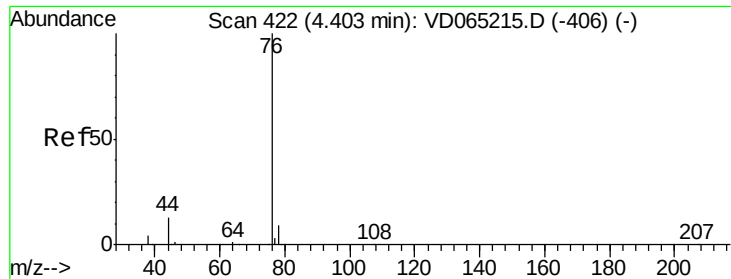
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion:	43	Resp:	215403
Ion Ratio		Lower	Upper
43	100		
58	30.3	26.2	39.2





#17

Carbon Disulfide

Concen: 48.529 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 598197

Ion Ratio Lower Upper

76 100

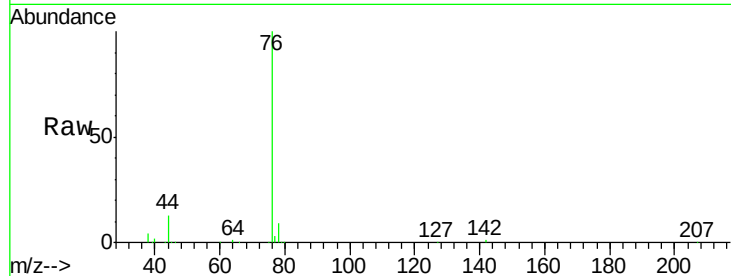
78 9.0 7.0 10.6

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

250000

200000

150000

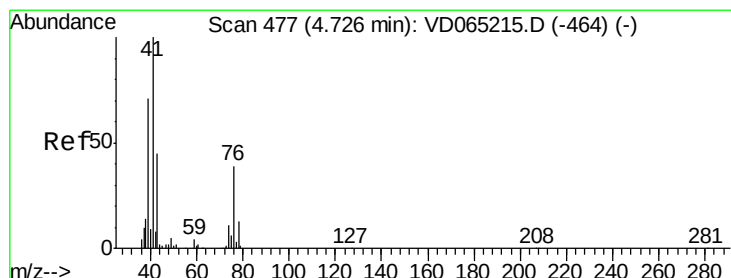
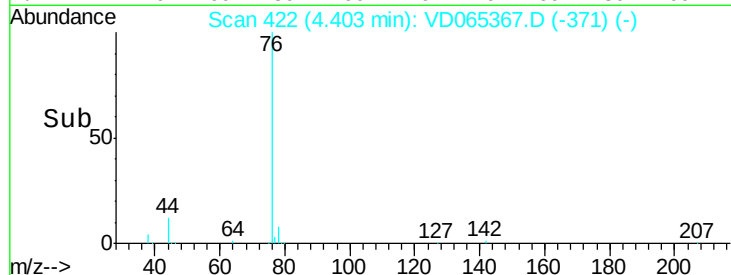
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 58.932 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065367.D

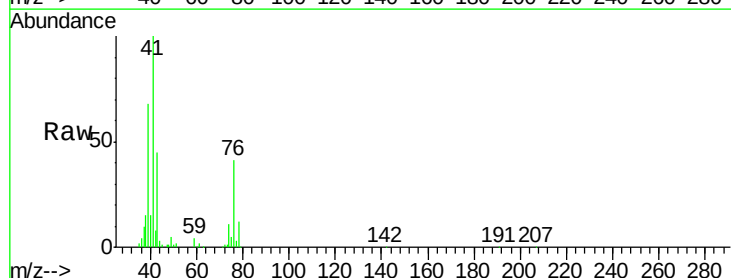
Acq: 28 Feb 2020 19:09

Tgt Ion: 43 Resp: 115587

Ion Ratio Lower Upper

43 100

74 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

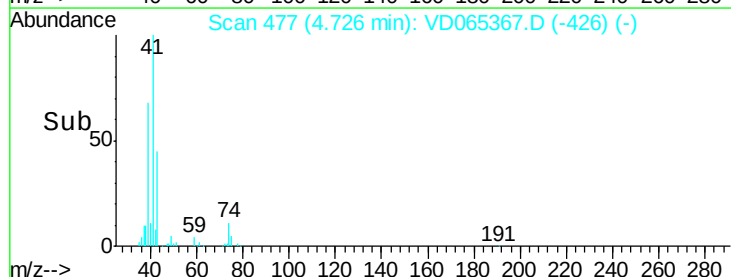
20000

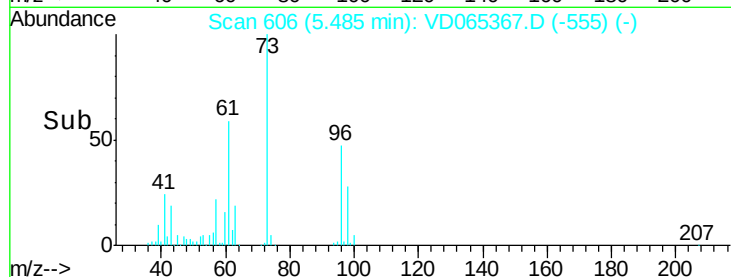
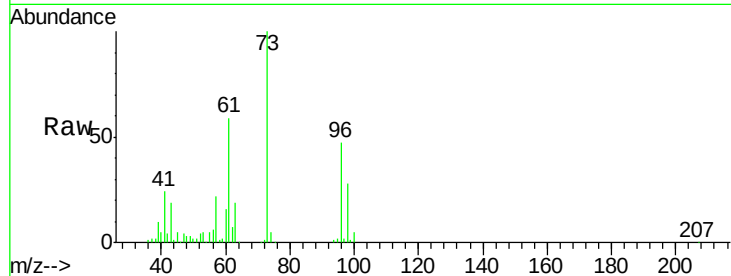
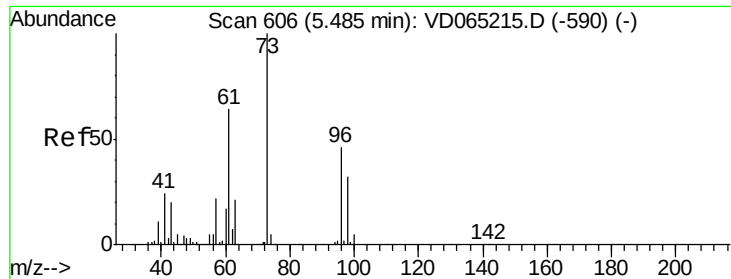
10000

0

4.60 4.70 4.80 4.90

Time-->





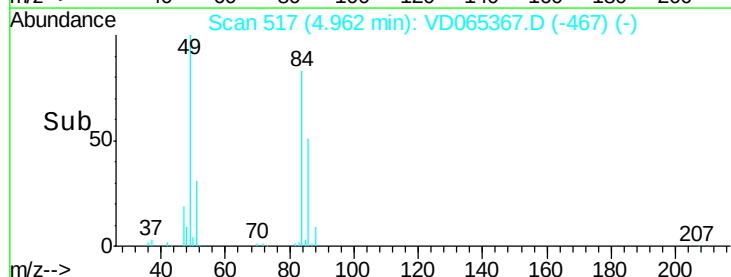
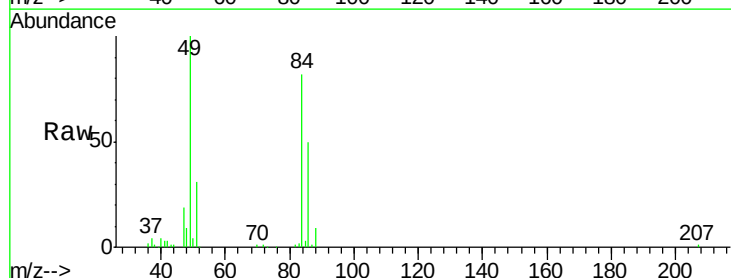
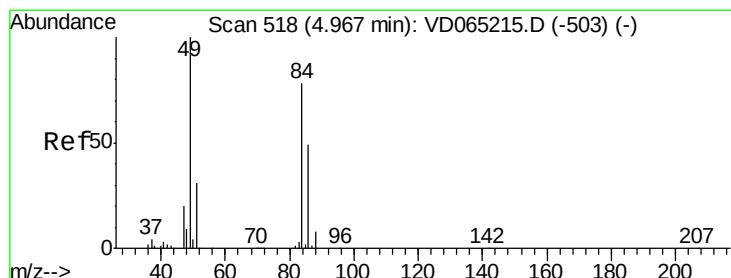
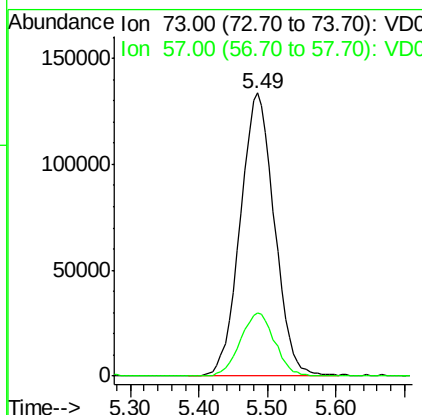
#19
Methyl tert-butyl Ether
Concen: 60.335 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tot Ion: 73 Resp: 462604
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

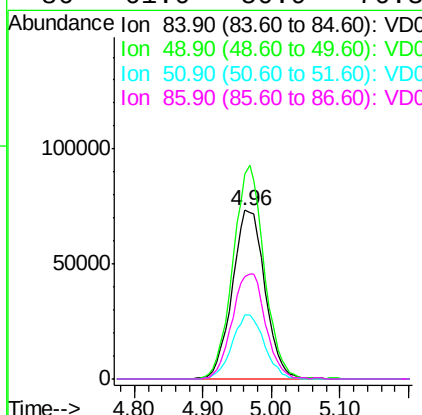
Manual Integrations
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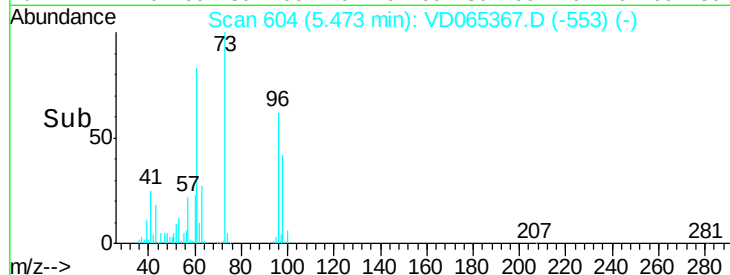
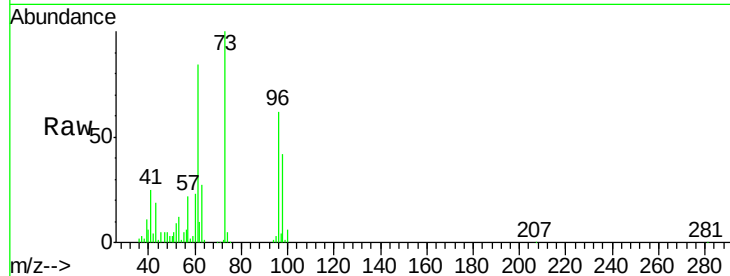
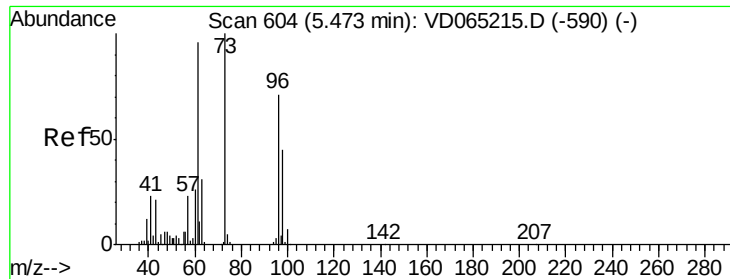
MMDadoda
3/2/2020 10:35:34 AM



#20
Methylene Chloride
Concen: 63.694 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 84 Resp: 242377
Ion Ratio Lower Upper
84 100
49 121.4 103.1 154.7
51 37.9 31.7 47.5
86 61.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 54.729 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tot Ion:	96	Resp:	228754
Ion	Ratio	Lower	Upper
96	100		
61	133.8	108.3	162.5
98	67.4	50.7	76.1

Instrument :

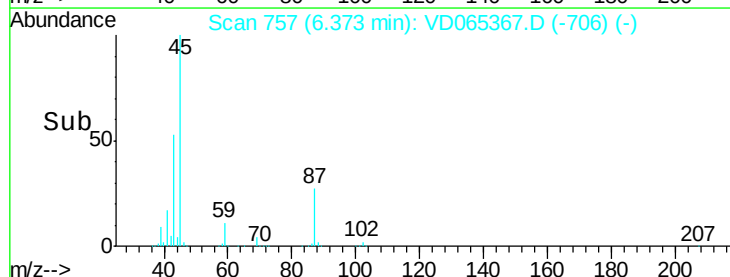
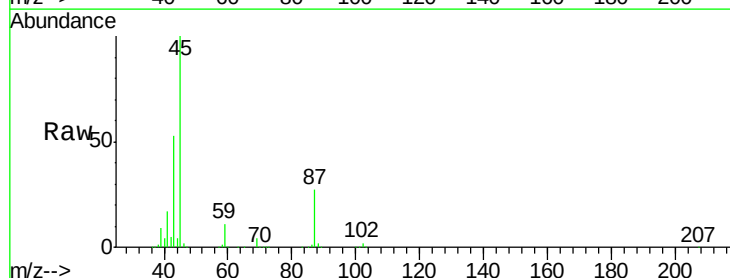
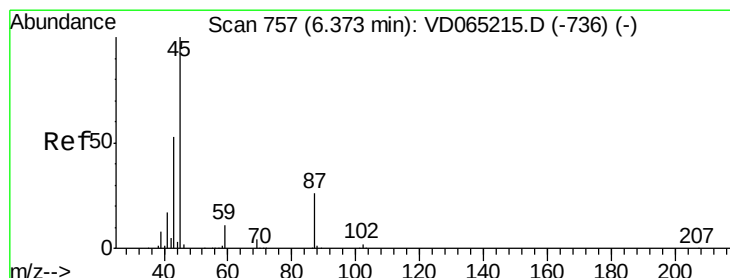
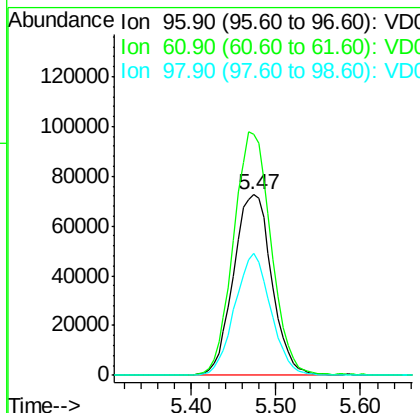
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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3/2/2020 10:35:34 AM



#22

Diisopropyl ether

Concen: 59.894 ug/l

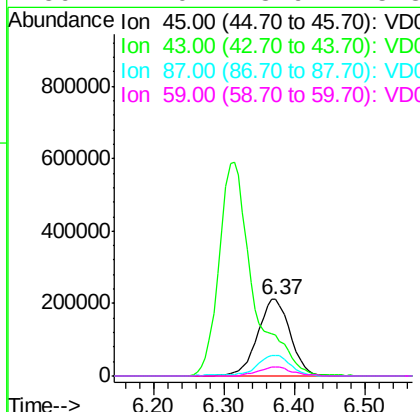
RT: 6.37 min Scan# 757

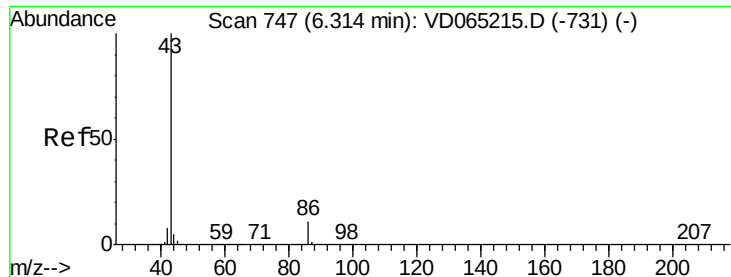
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion:	45	Resp:	689388
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.6	64.0
87	26.9	21.2	31.8
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 310.954 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1973148

Ion Ratio Lower Upper

43 100

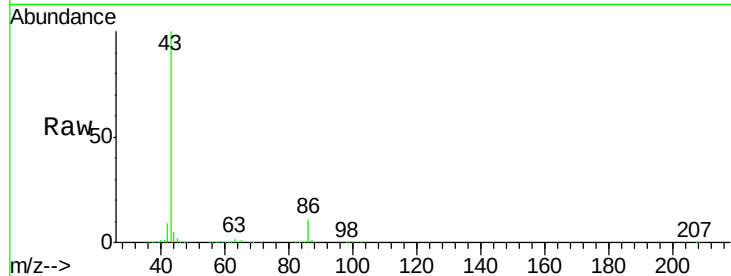
86 10.9 8.6 12.8

Manual Integrations

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MMDadoda

3/2/2020 10:35:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

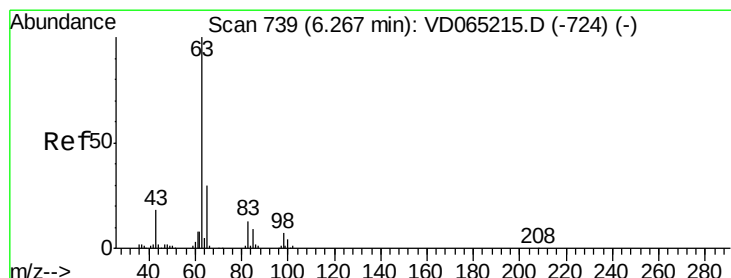
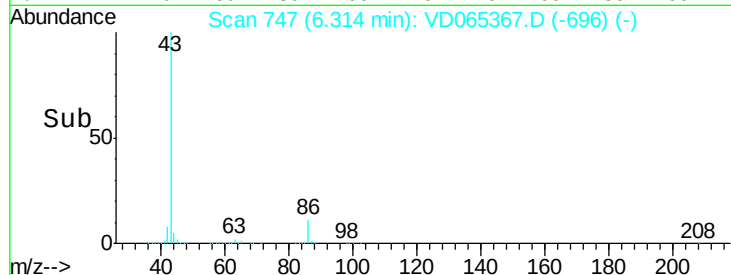
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 55.643 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

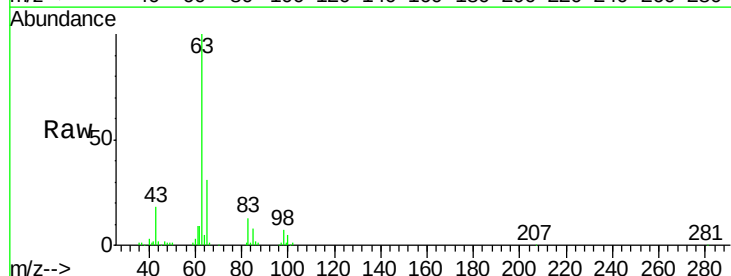
Tgt Ion: 63 Resp: 397254

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

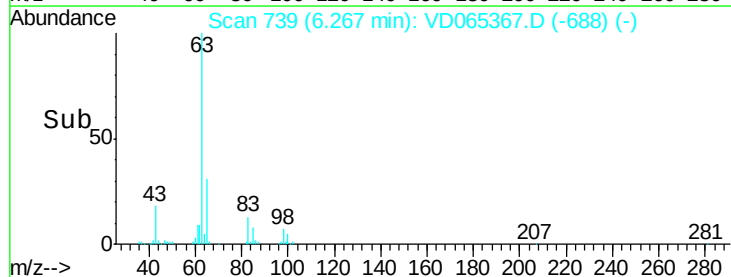
150000

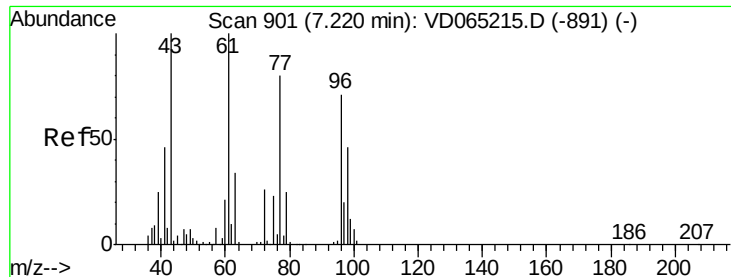
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 280.805 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 309830

Ion Ratio Lower Upper

43 100

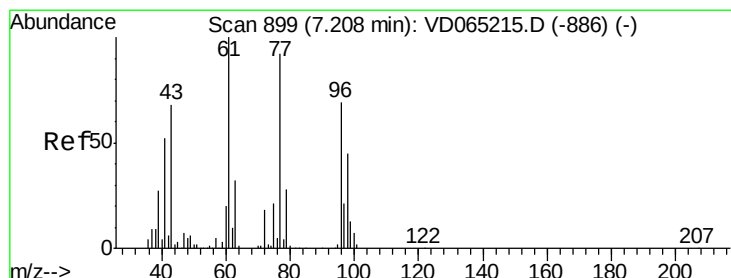
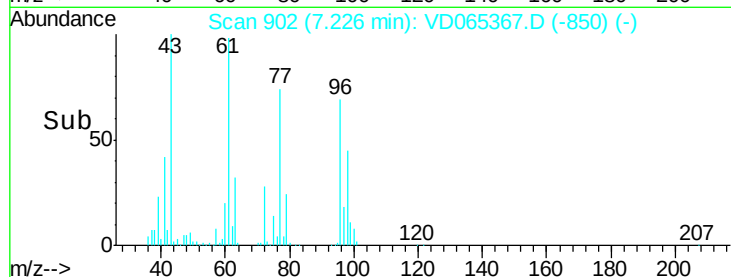
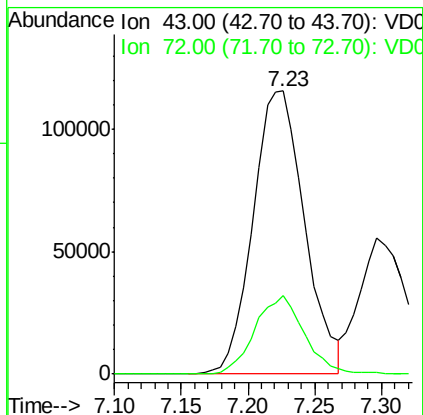
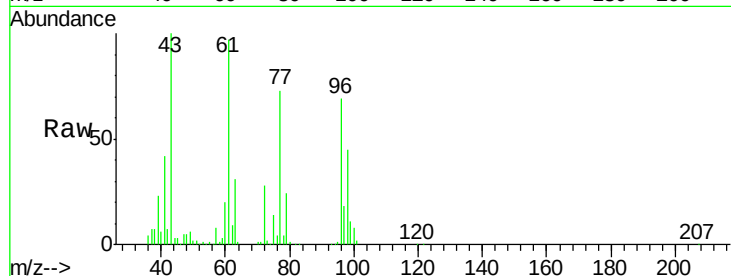
72 27.6 20.9 31.3

Manual Integrations

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MMDadoda

3/2/2020 10:35:34 AM



#26

2,2-Dichloropropane

Concen: 52.546 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065367.D

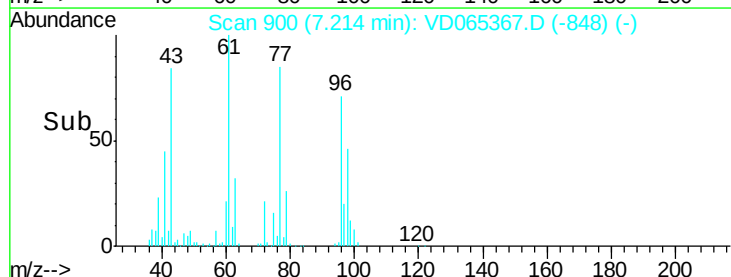
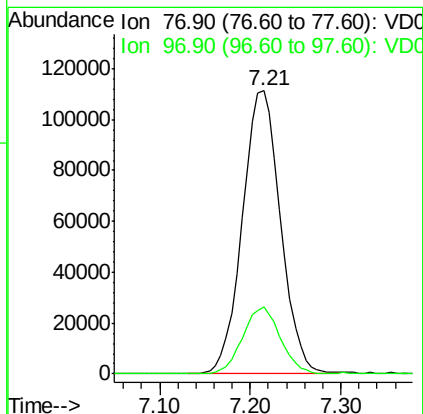
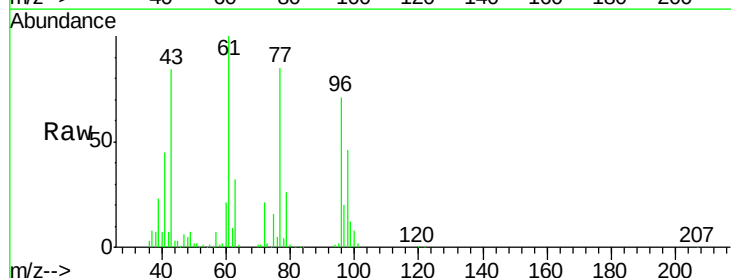
Acq: 28 Feb 2020 19:09

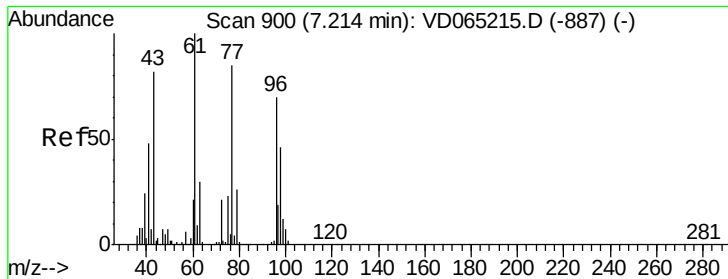
Tgt Ion: 77 Resp: 325482

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

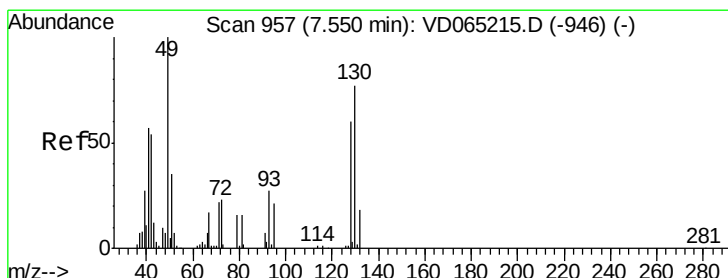
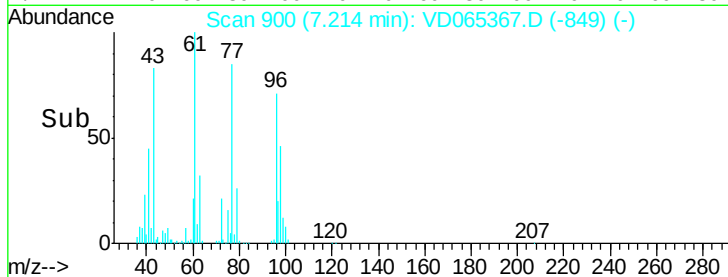
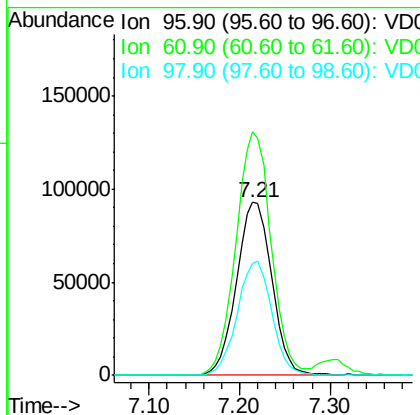
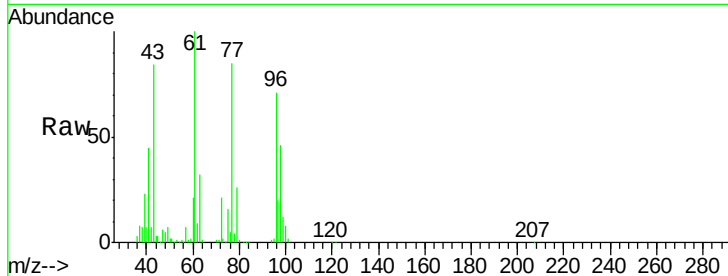
cis-1,2-Dichloroethene
 Concen: 56.917 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251994		
61	140.0		0.0	286.0
98	64.2		0.0	127.8

Manual Integrations
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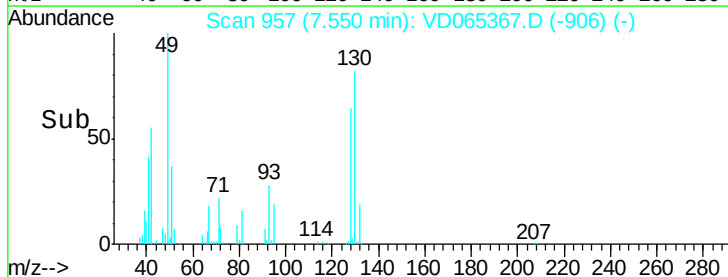
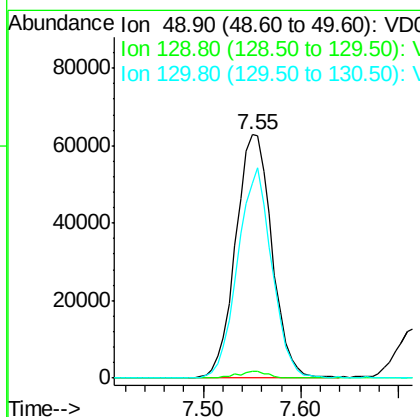
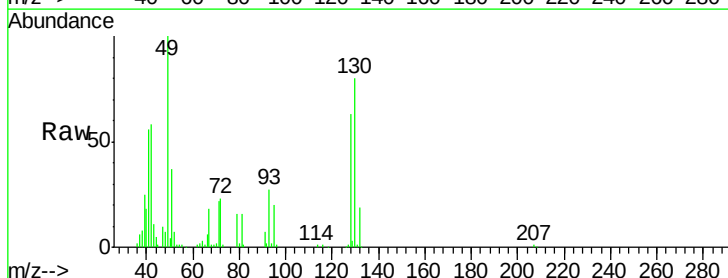
MMDadoda
 3/2/2020 10:35:34 AM

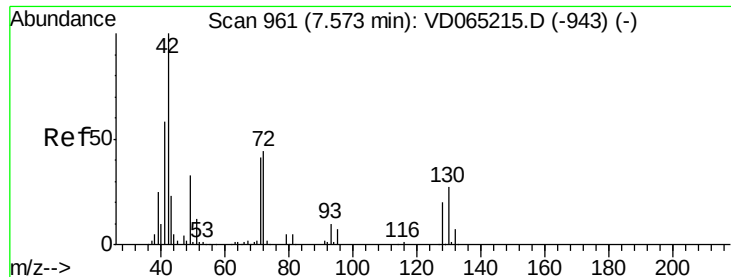


#28

Bromochloromethane
 Concen: 61.690 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	163394		
129	2.3		0.0	4.6
130	81.4		64.7	97.1





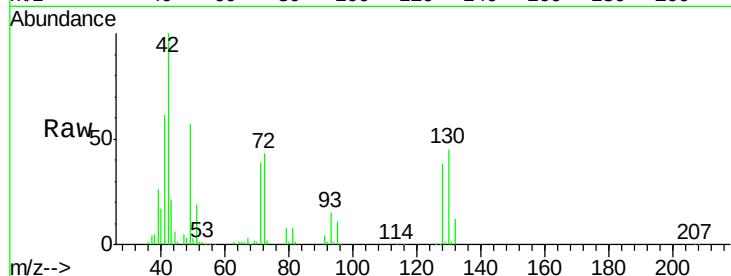
#29
Tetrahydrofuran
Concen: 308.570 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.6	31.4	47.2

Manual Integrations
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3/2/2020 10:35:34 AM

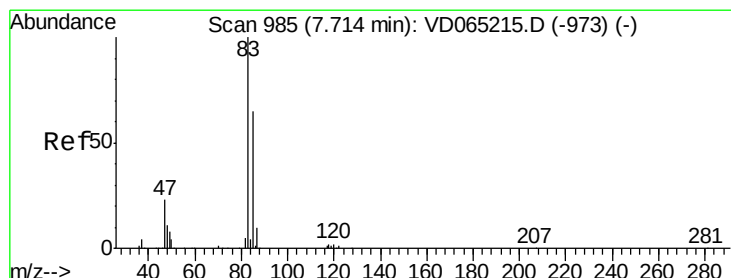
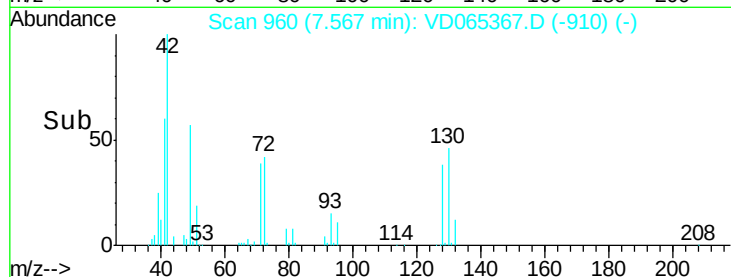
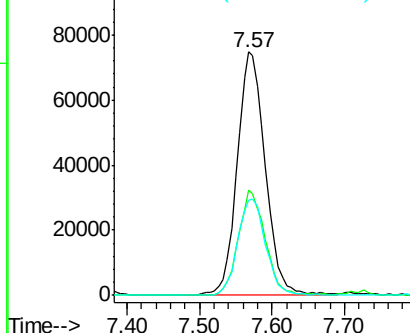


Abundance

Ion 42.00 (41.70 to 42.70): VDC

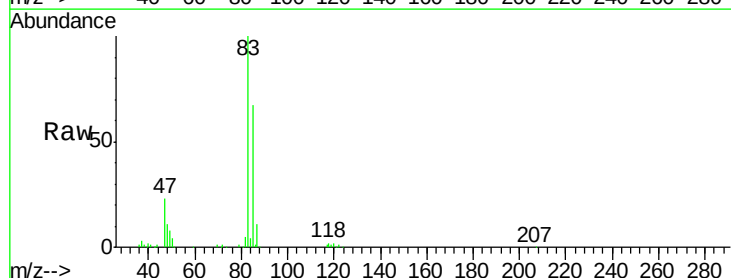
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 56.059 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

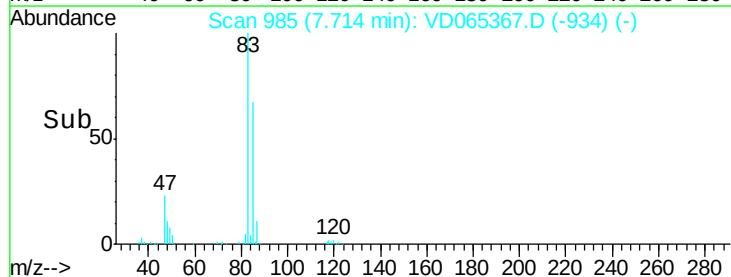
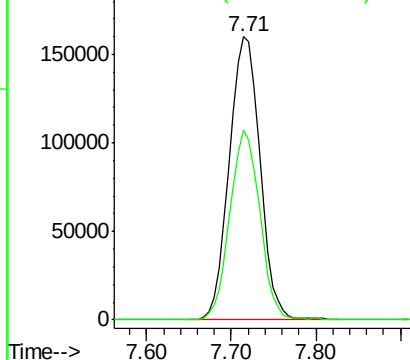
Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.3	78.5

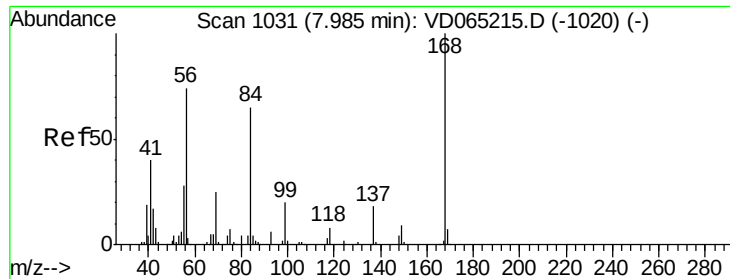


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





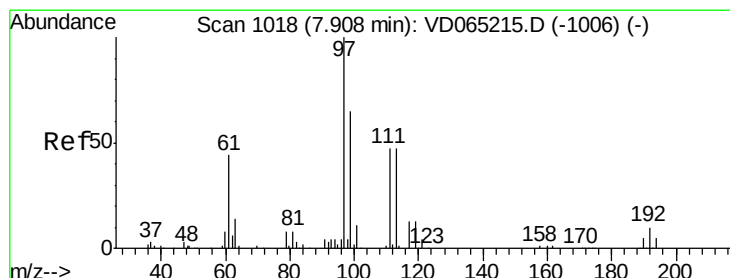
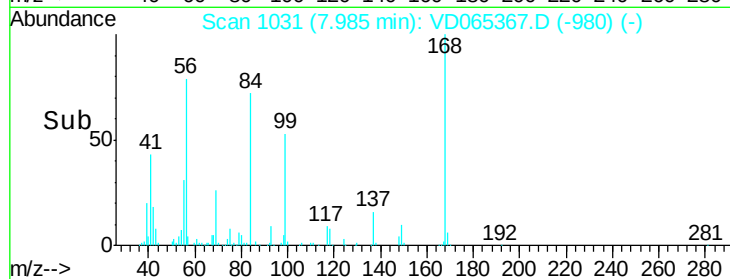
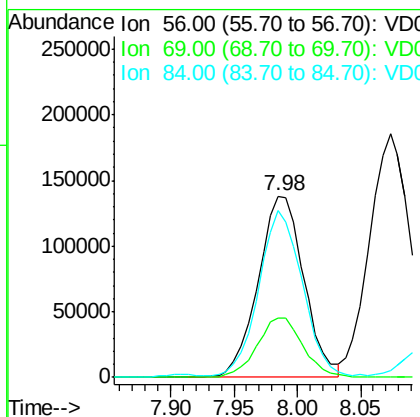
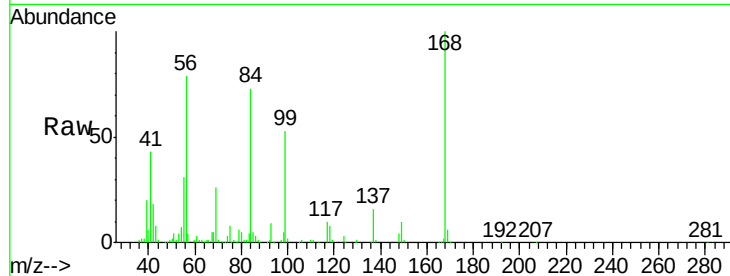
#31
Cyclohexane
Concen: 49.178 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	27.4	41.0
84	90.7	71.1	106.7

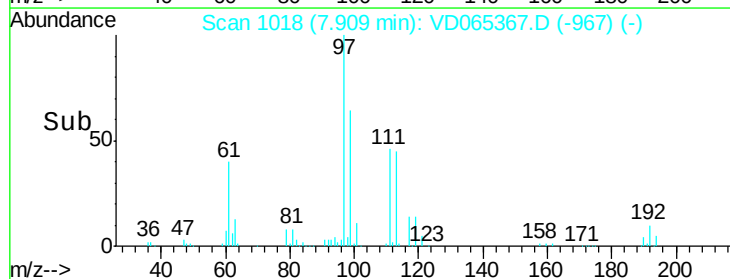
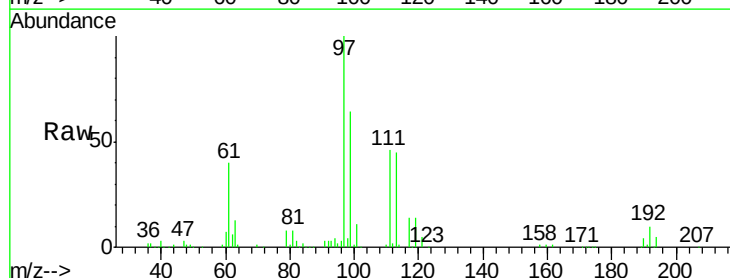
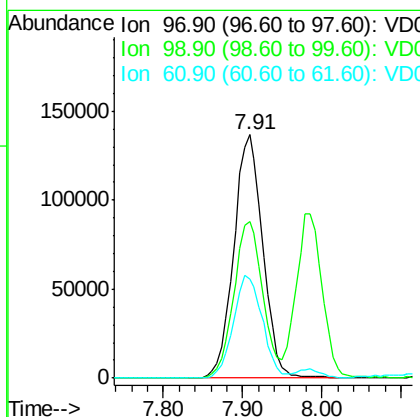
Manual Integrations
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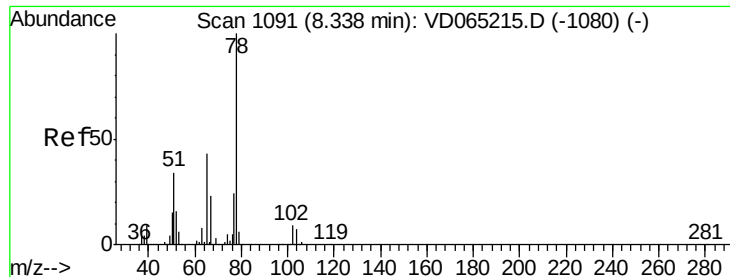
MMDadoda
3/2/2020 10:35:34 AM



#32
1,1,1-Trichloroethane
Concen: 53.769 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	42.0	34.8	52.2





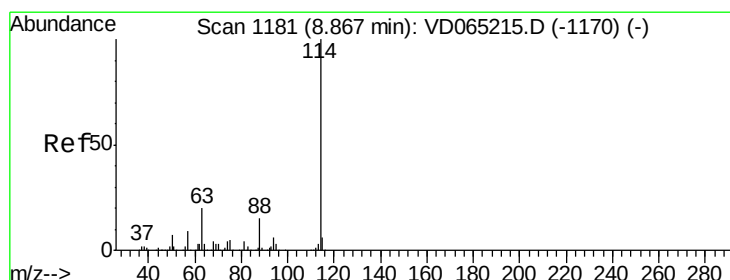
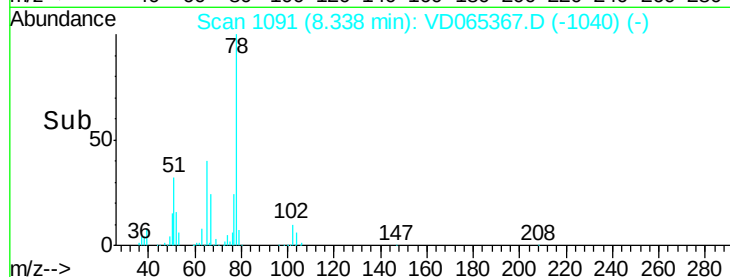
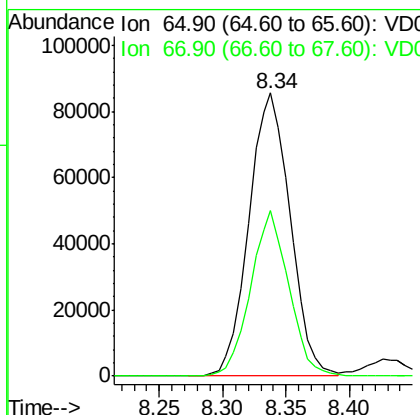
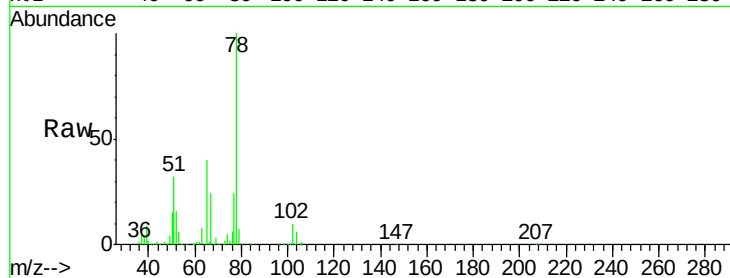
#33
 1,2-Dichloroethane-d4
 Concen: 54.304 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193732		
67	54.1	0.0	106.8	

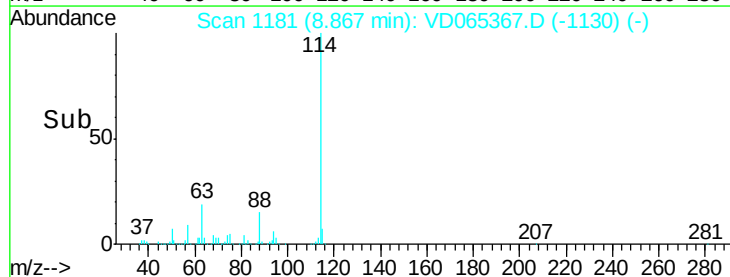
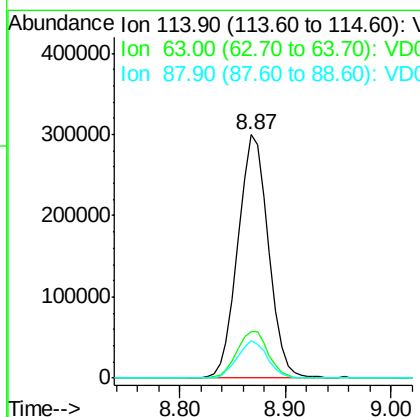
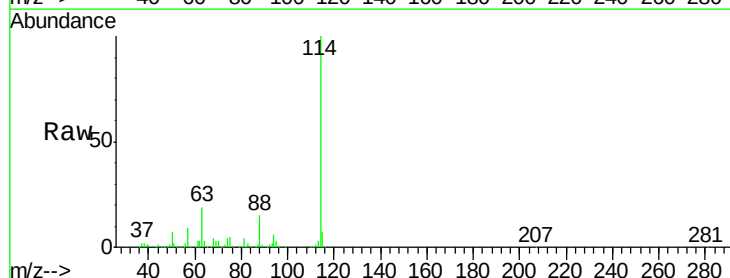
Manual Integrations
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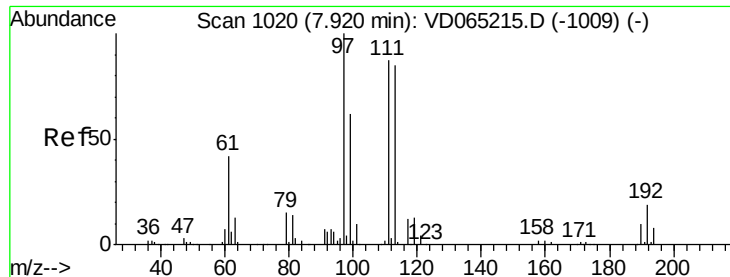
MMDadoda
 3/2/2020 10:35:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	601498		
63	19.2	0.0	39.4	
88	15.2	0.0	30.4	





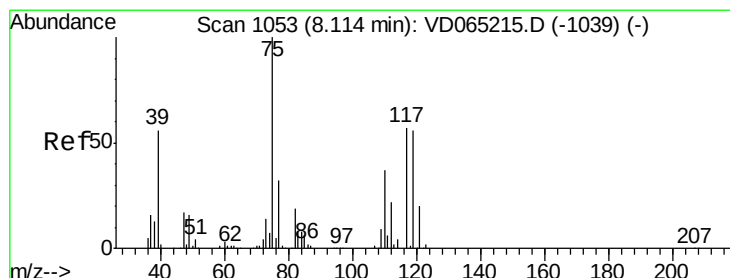
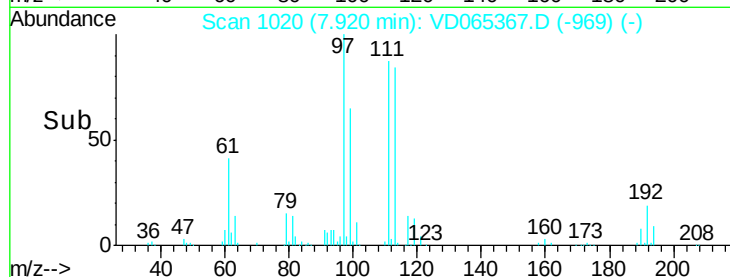
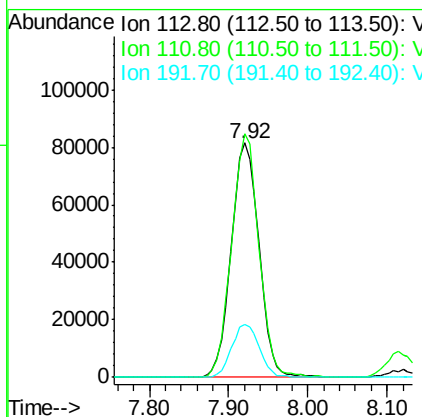
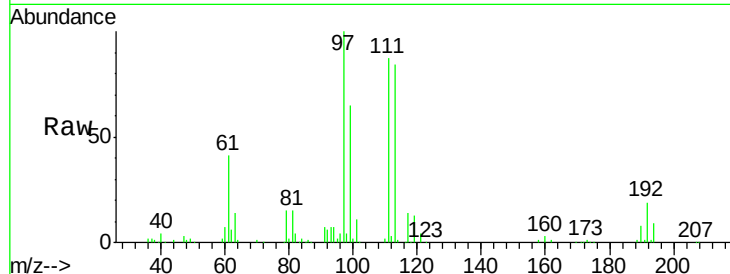
#35
 Dibromofluoromethane
 Concen: 54.072 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198312		
111	102.1	82.9	124.3	
192	22.4	17.3	25.9	

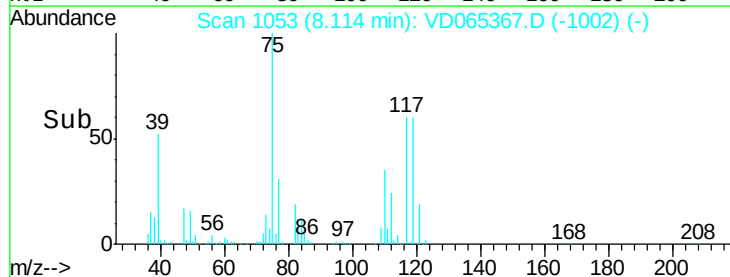
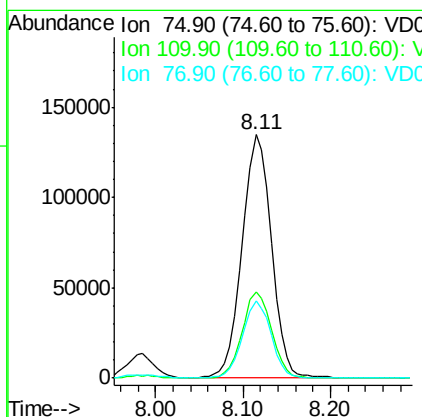
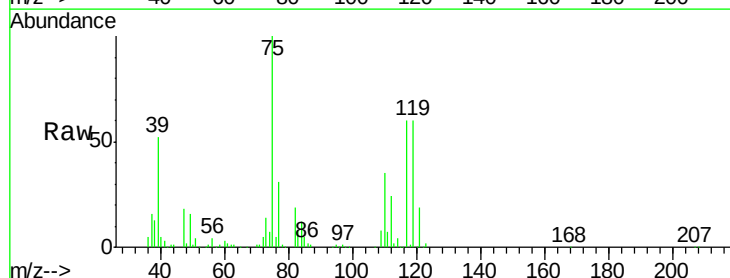
Manual Integrations
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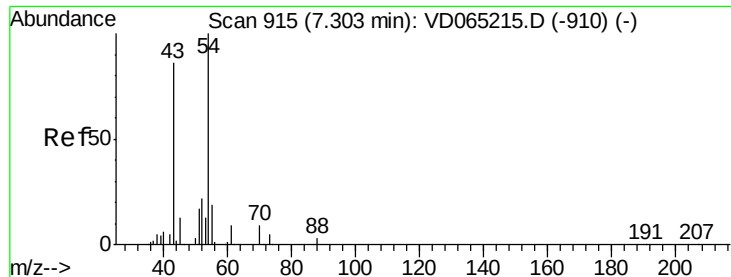
MMDadoda
 3/2/2020 10:35:34 AM



#36
 1,1-Dichloropropene
 Concen: 52.134 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305118		
110	35.5	17.9	53.7	
77	31.3	25.1	37.7	





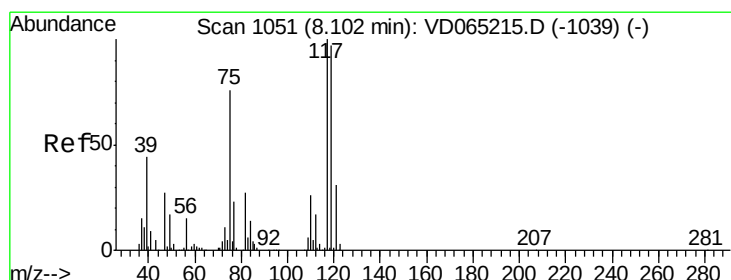
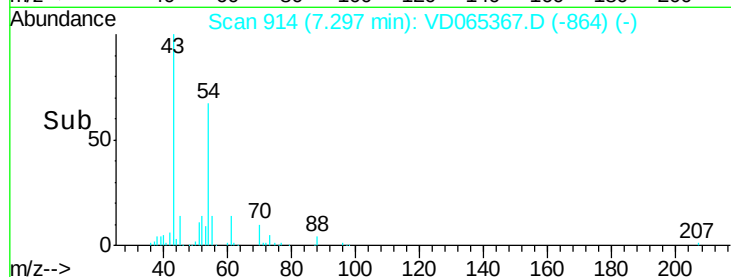
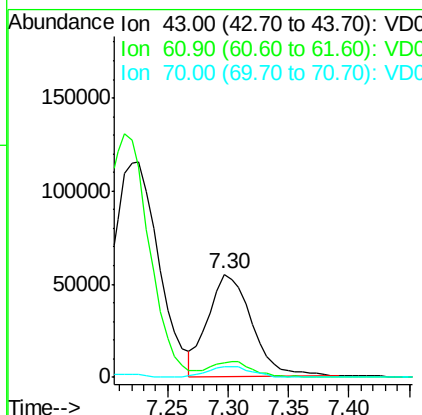
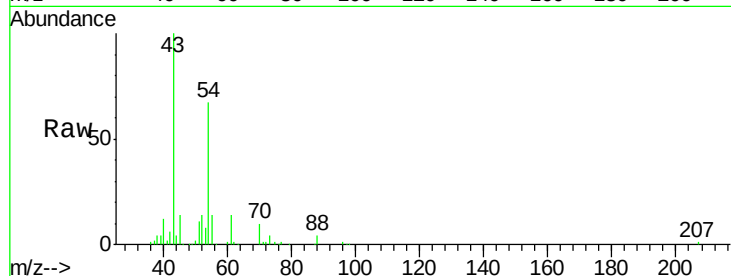
#37
Ethyl Acetate
Concen: 56.412 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.2	16.8
70	10.7	8.2	12.2

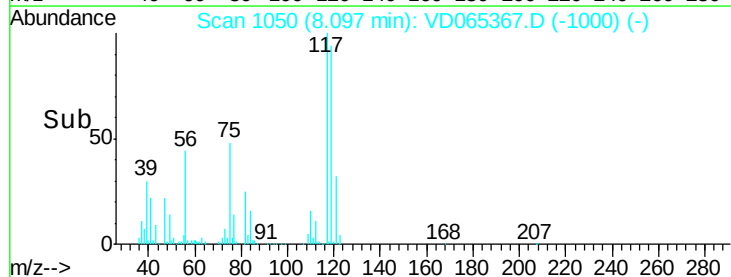
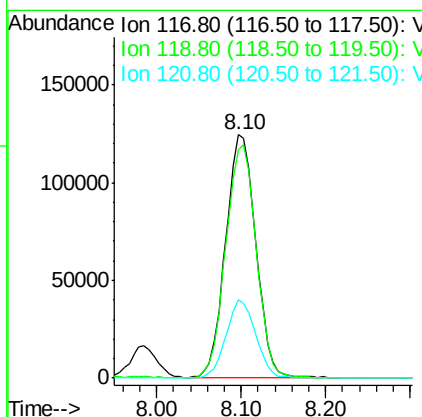
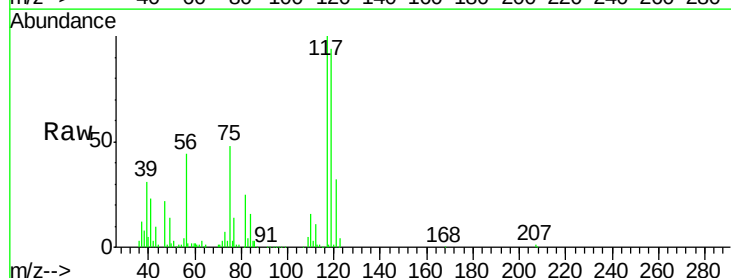
Manual Integrations
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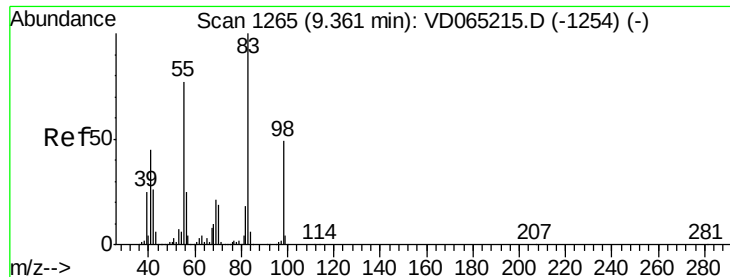
MMDadoda
3/2/2020 10:35:34 AM



#38
Carbon Tetrachloride
Concen: 51.760 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.6	116.4
121	32.3	24.8	37.2





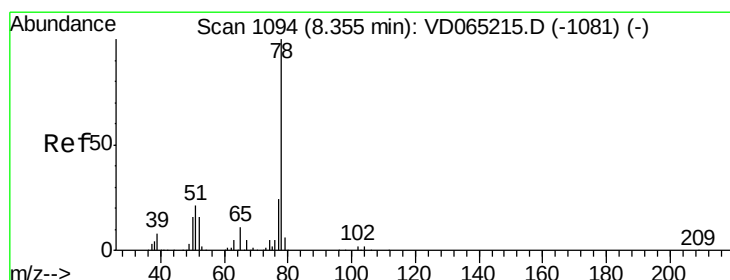
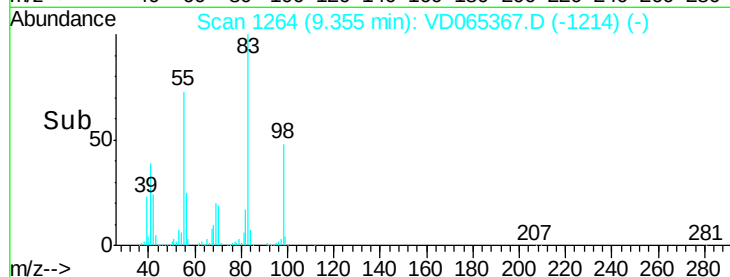
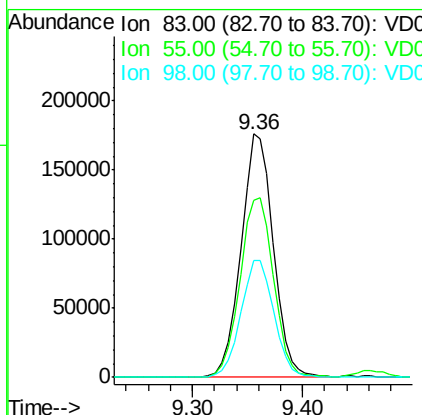
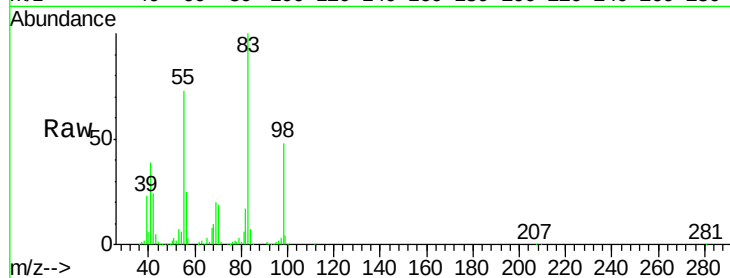
#39
Methylvlcyclohexane
Concen: 52.614 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	61.8	92.6
98	48.2	39.4	59.0

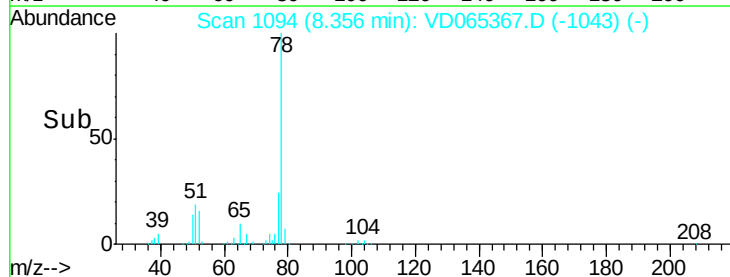
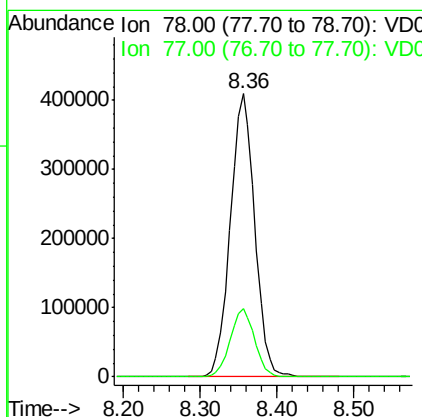
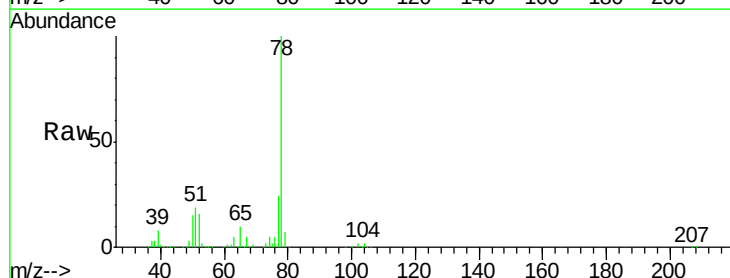
Manual Integrations
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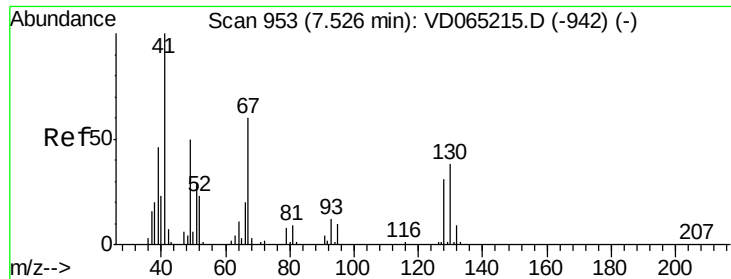
MMDadoda
3/2/2020 10:35:34 AM



#40
Benzene
Concen: 54.932 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





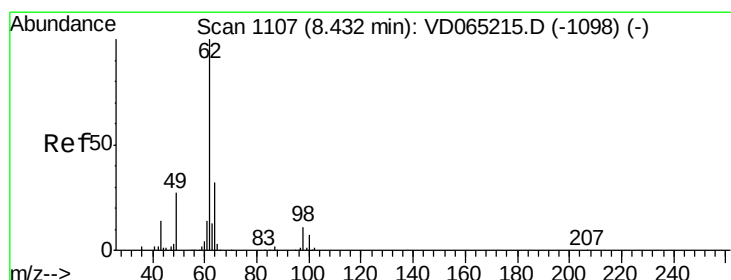
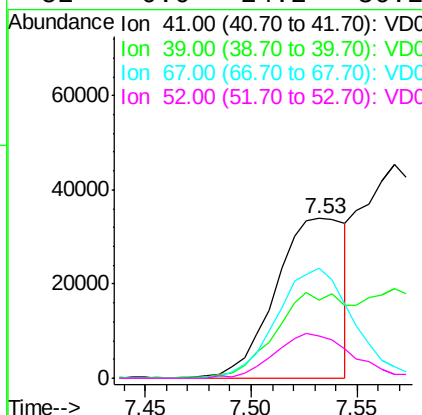
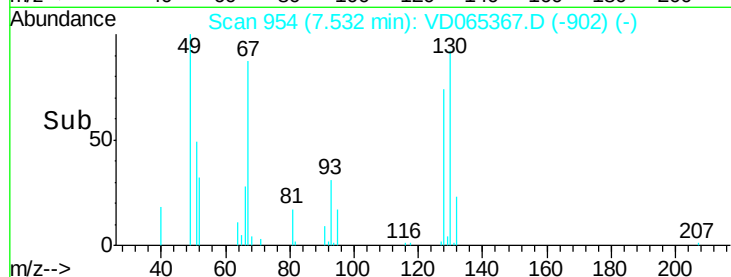
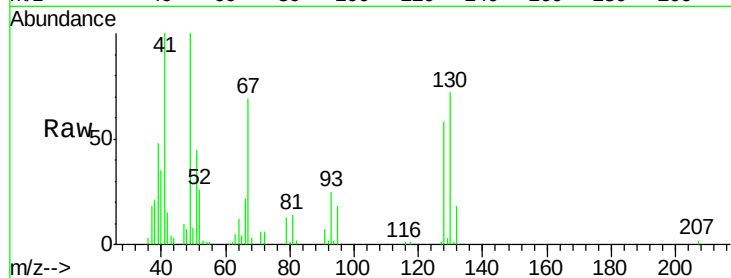
#41
Methacrylonitrile
Concen: 54.759 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#

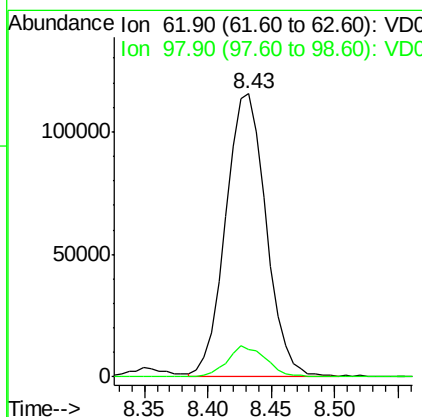
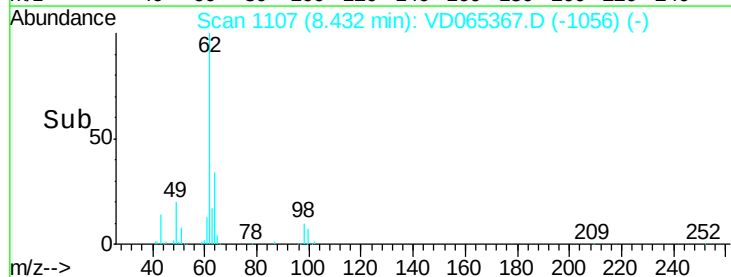
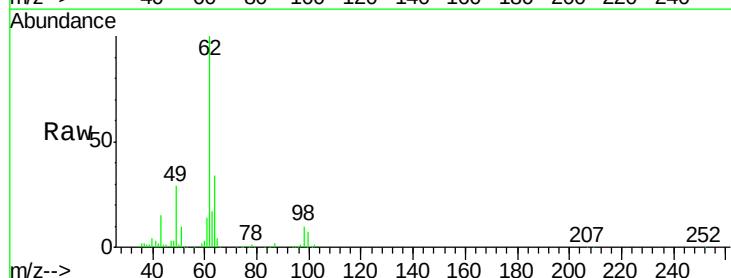
Manual Integrations
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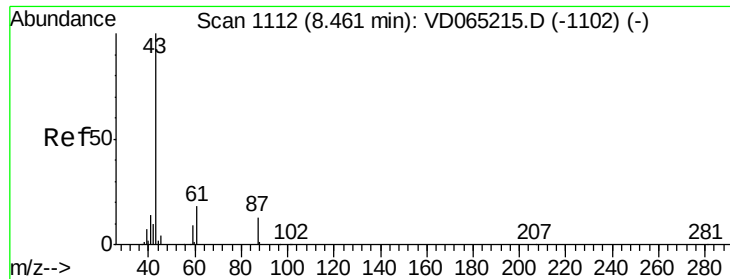
MMDadoda
3/2/2020 10:35:34 AM



#42
1,2-Dichloroethane
Concen: 55.972 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 58.039 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

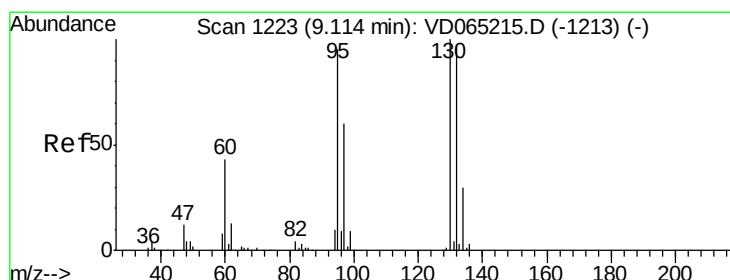
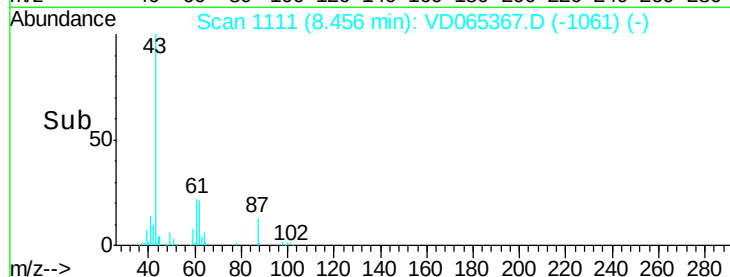
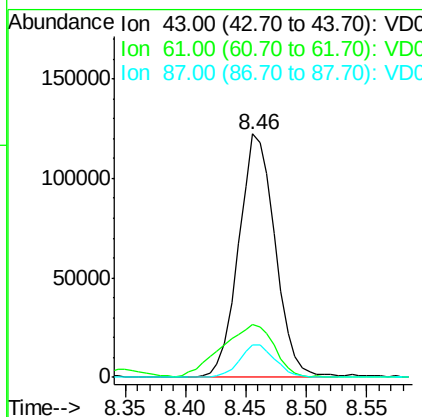
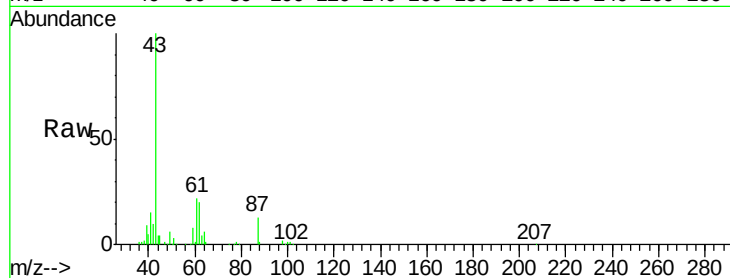
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	258228
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.6	36.8
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 54.200 ug/l

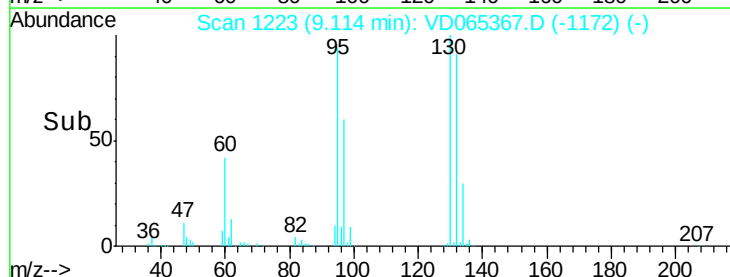
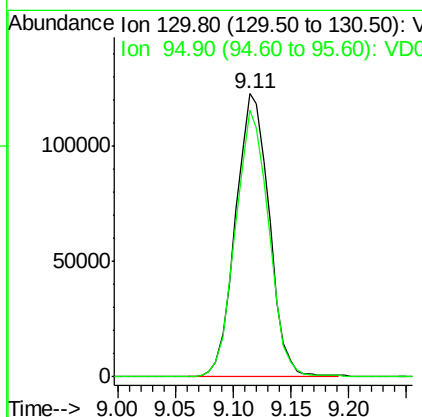
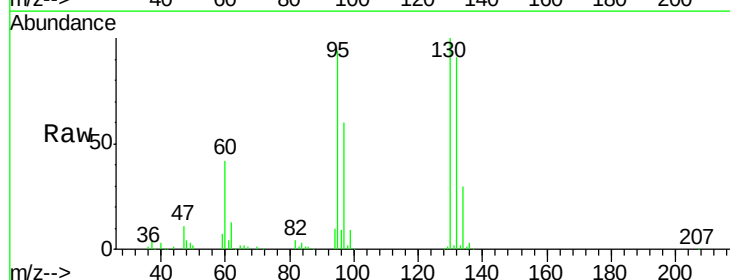
RT: 9.11 min Scan# 1223

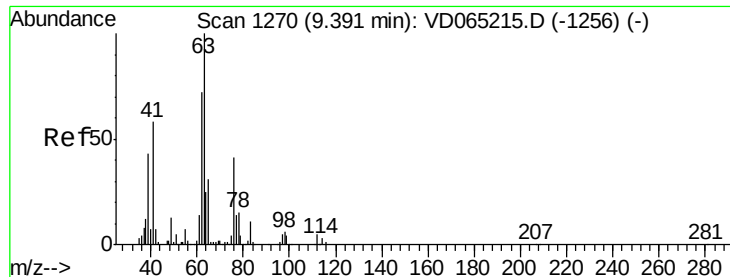
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion:	130	Resp:	248190
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	190.6





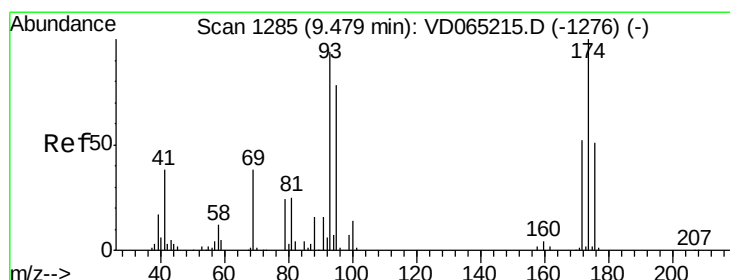
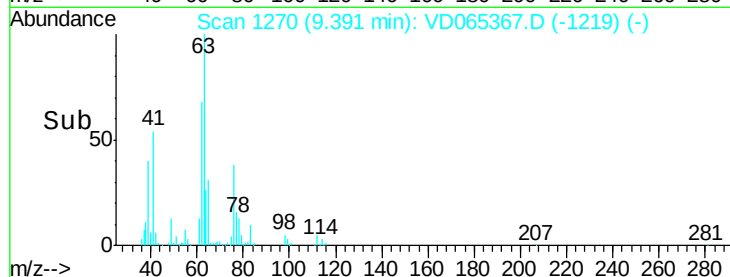
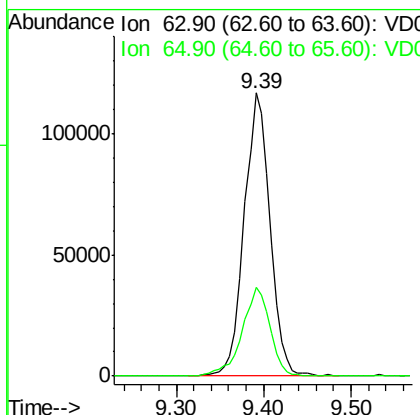
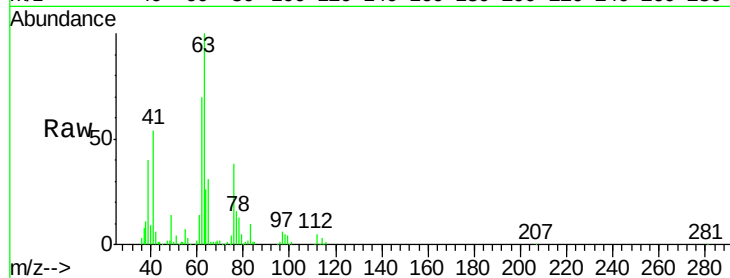
#45
 1,2-Dichloropropane
 Concen: 57.051 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.9	37.3

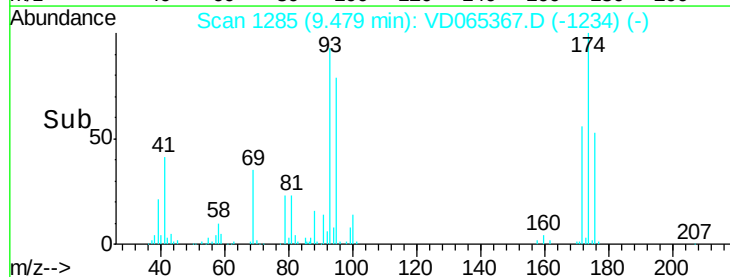
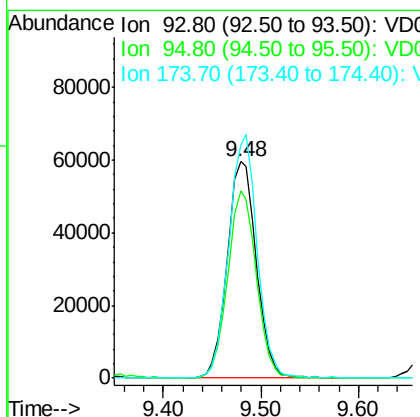
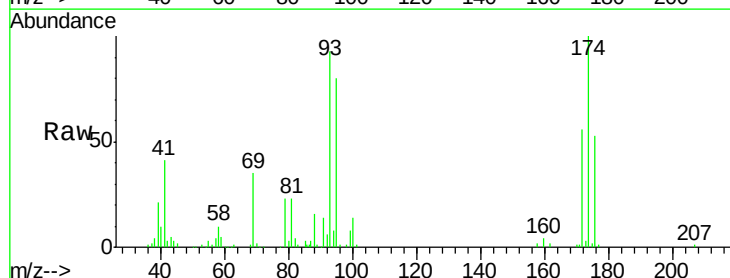
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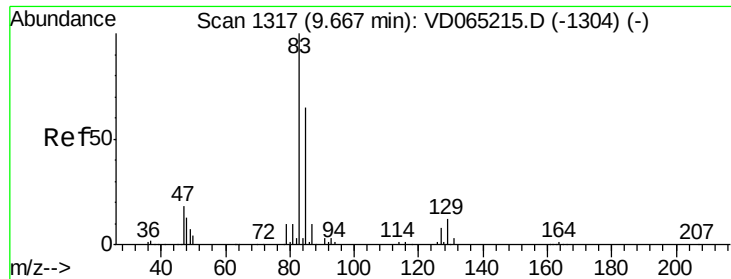
MMDadoda
 3/2/2020 10:35:34 AM



#46
 Dibromomethane
 Concen: 58.550 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	65.8	98.6
174	108.9	86.8	130.2





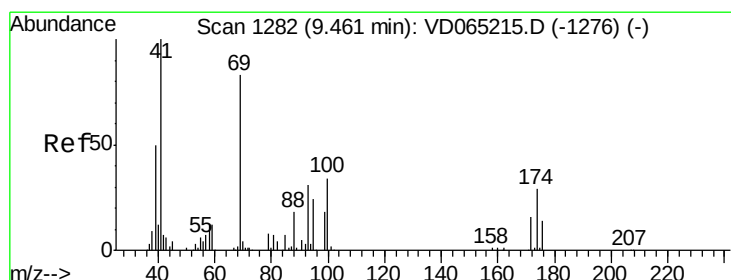
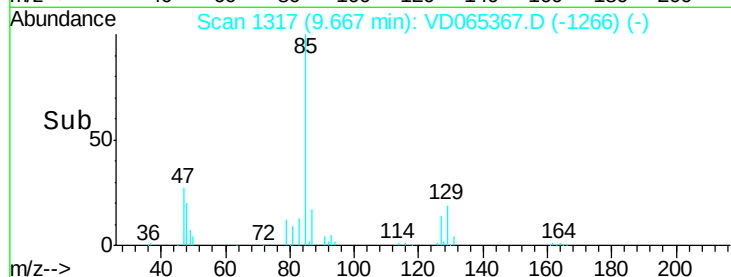
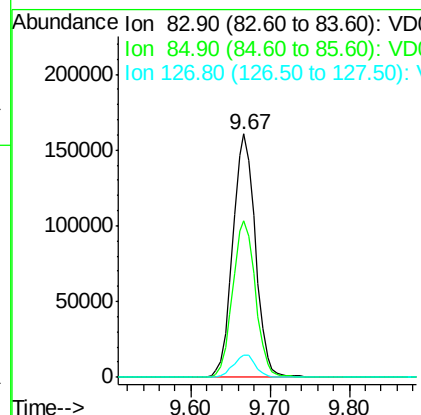
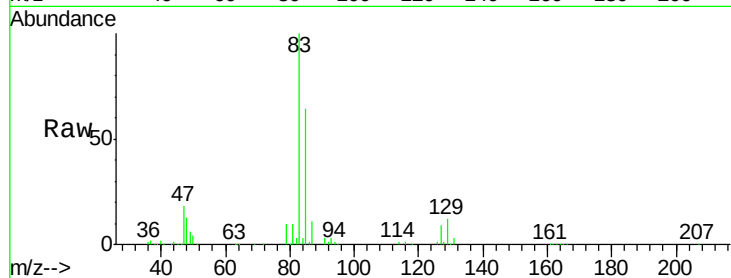
#47
Bromodichloromethane
Concen: 56.824 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	316499
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.0	78.0
127	9.1	6.7	10.1

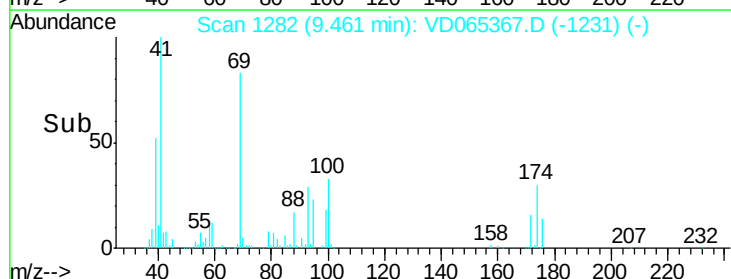
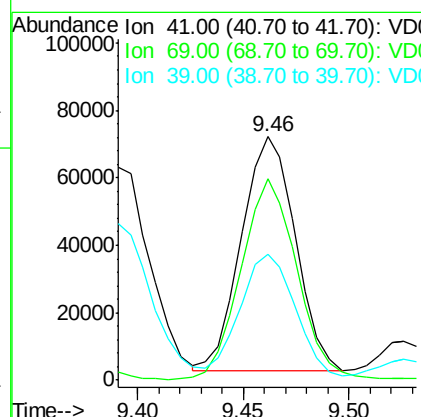
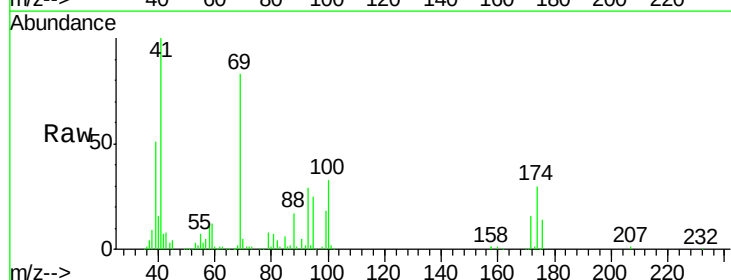
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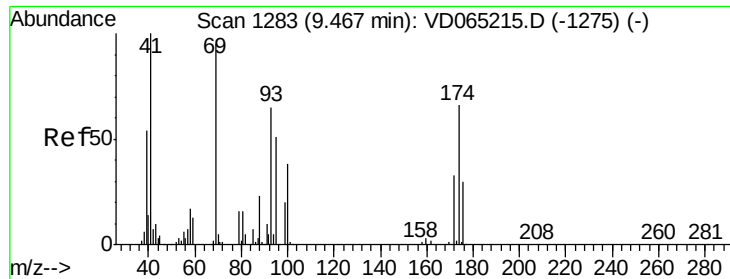
MMDadoda
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#48
Methyl methacrylate
Concen: 59.413 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	41	Resp	122186
Ion Ratio	100	Lower	Upper
41	100		
69	90.3	68.2	102.2
39	52.2	42.0	63.0





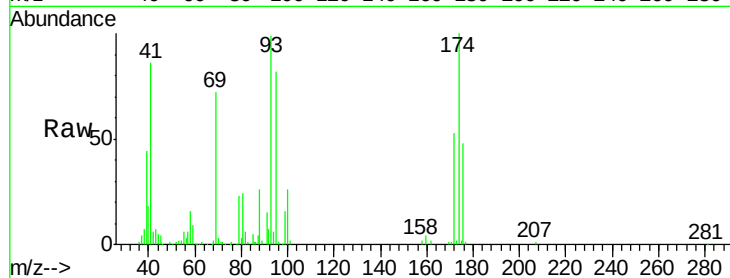
#49
1,4-Dioxane
Concen: 1226.308 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

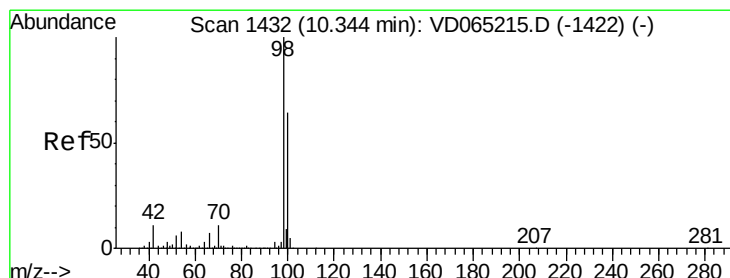
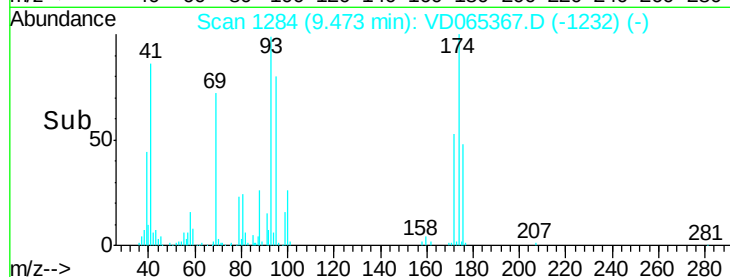
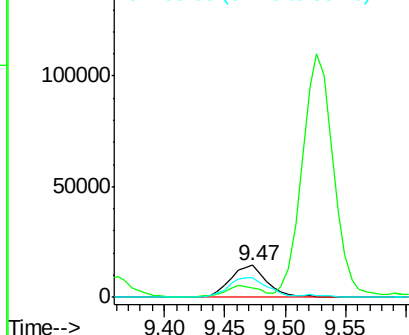
Tot Ion	88	Resp	30398
Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	65.9	58.6	87.8

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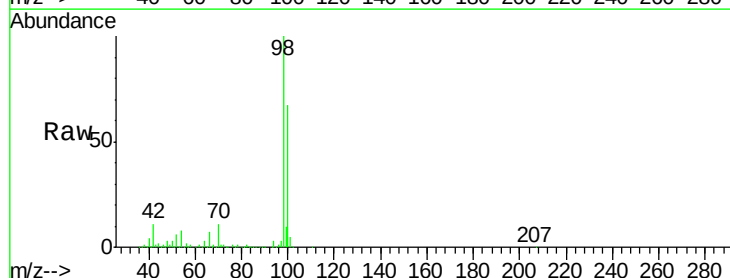


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

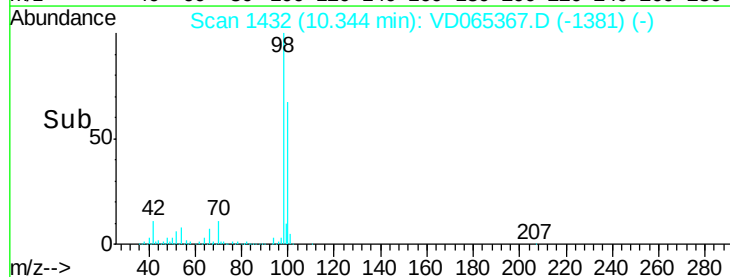
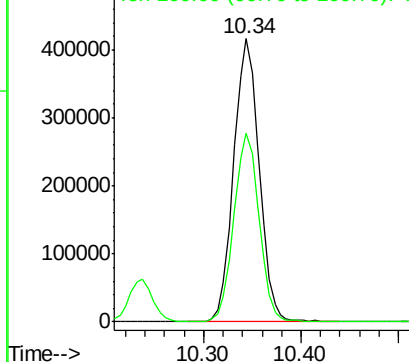


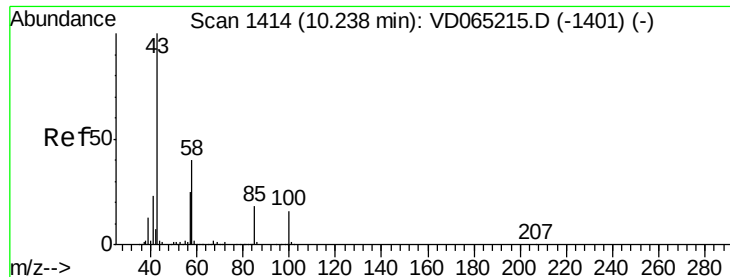
#50
Toluene-d8
Concen: 53.811 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	98	Resp	754478
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





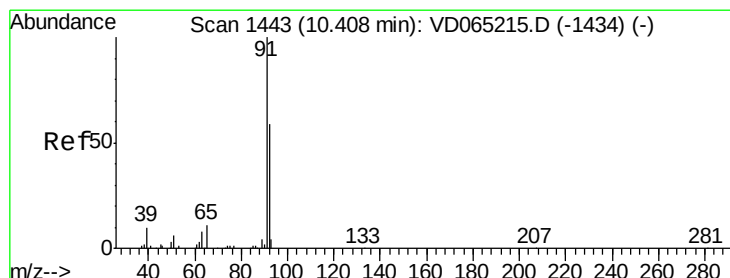
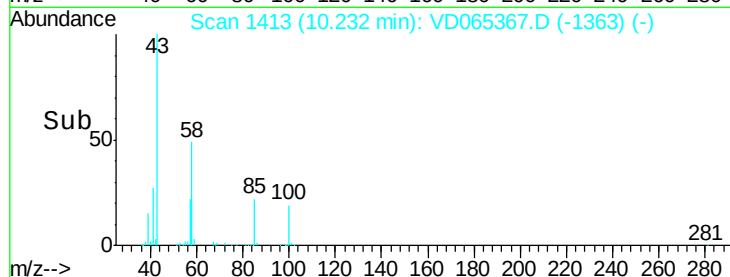
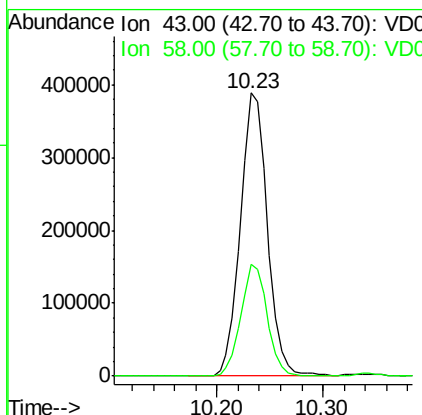
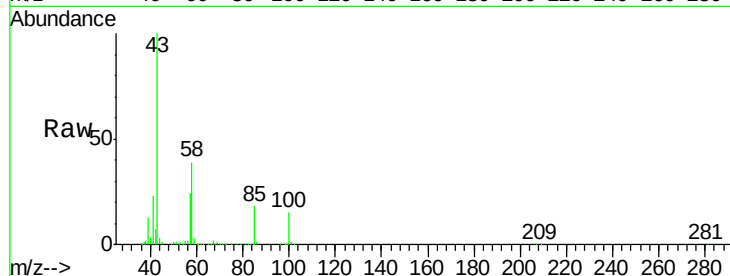
#51
4-Methyl-2-Pentanone
Concen: 305.121 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.1	46.7

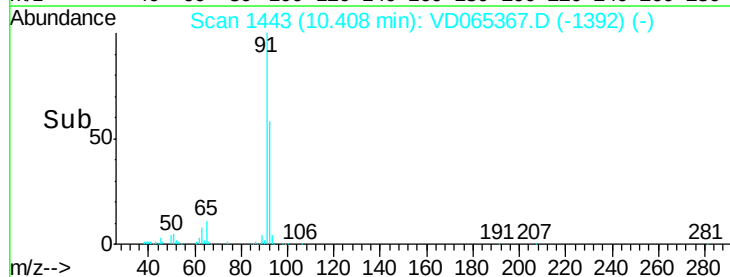
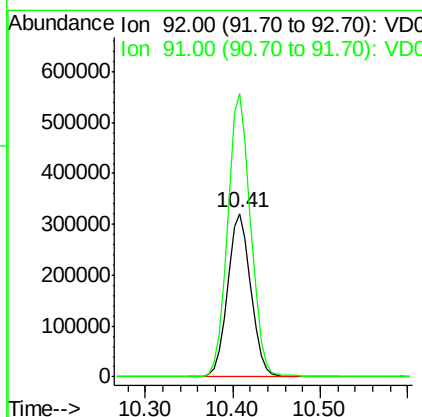
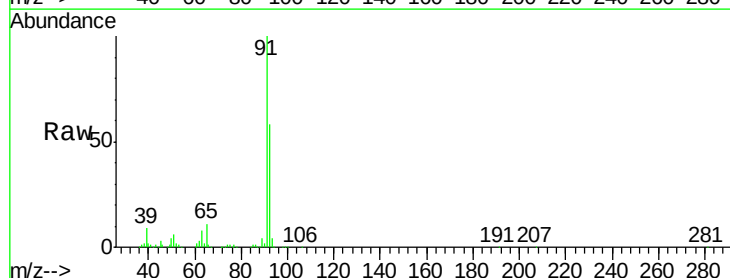
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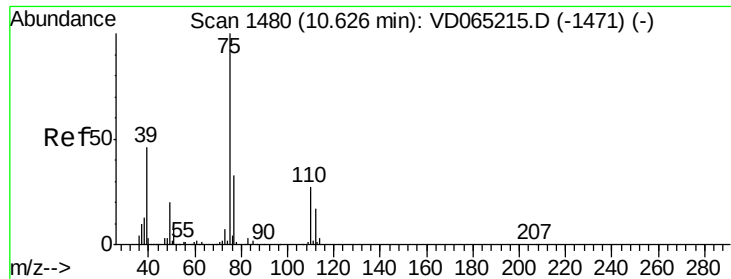
MMDadoda
3/2/2020 10:35:34 AM



#52
Toluene
Concen: 56.816 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.3	204.5





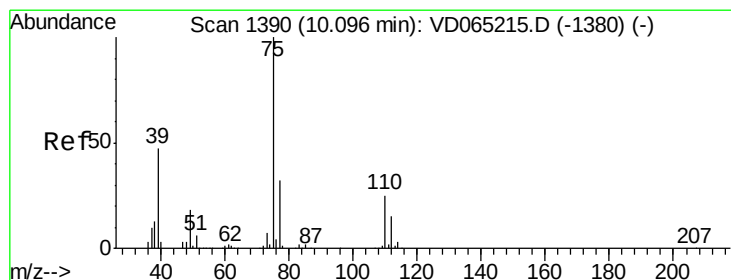
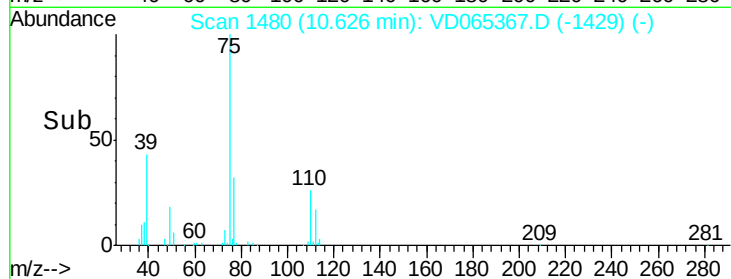
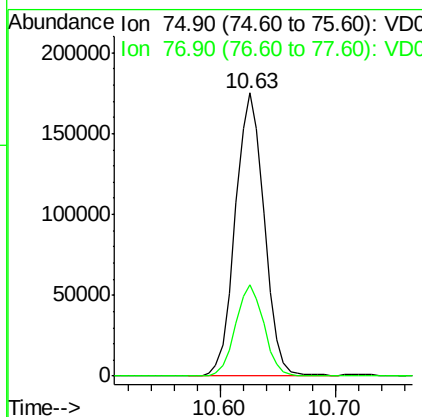
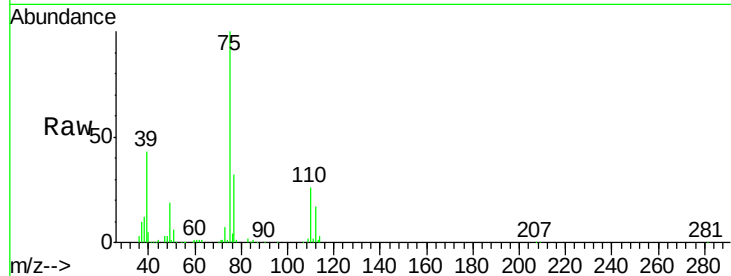
#53
t-1,3-Dichloropropene
Concen: 58.979 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.6	40.0

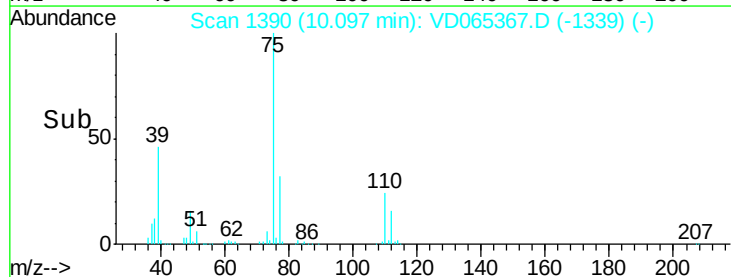
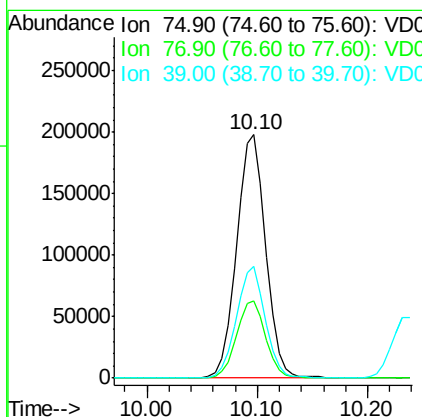
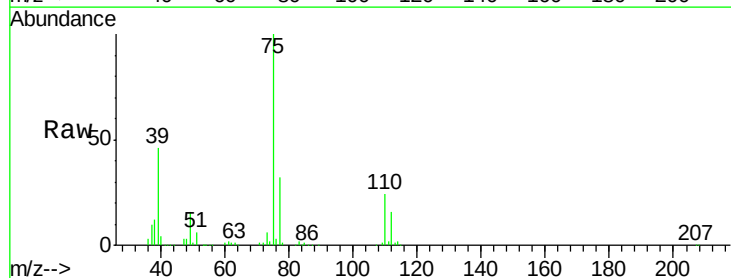
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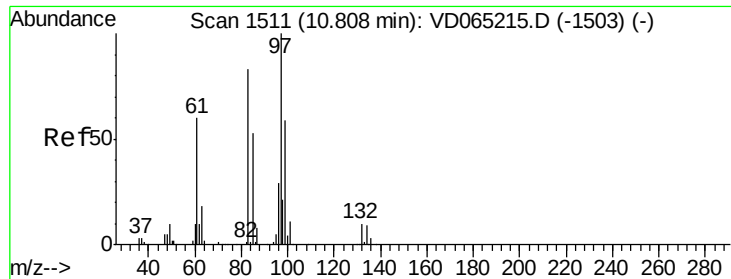
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 58.582 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	45.9	37.3	55.9





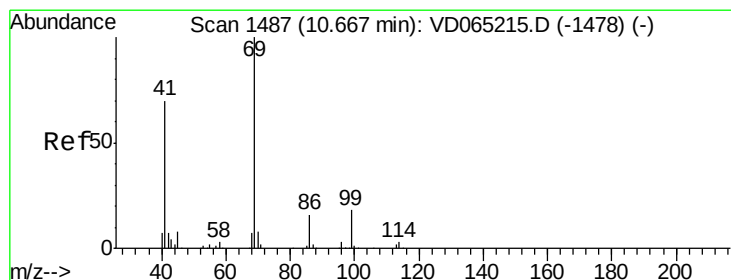
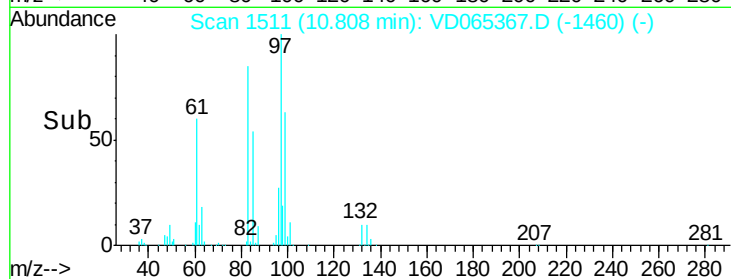
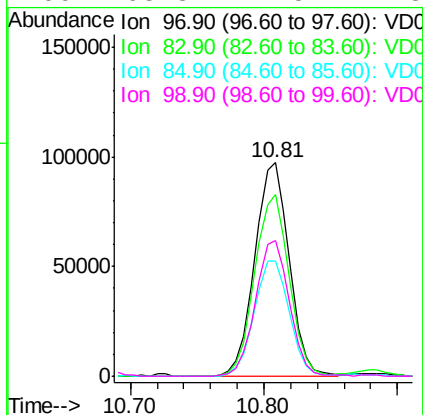
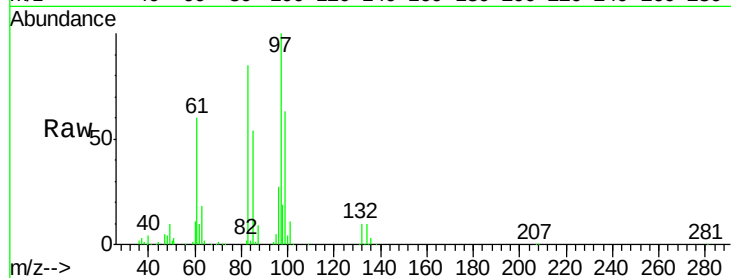
#55
 1,1,2-Trichloroethane
 Concen: 58.290 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	173400
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.7	100.1
85	53.7	42.4	63.6
99	63.3	47.5	71.3

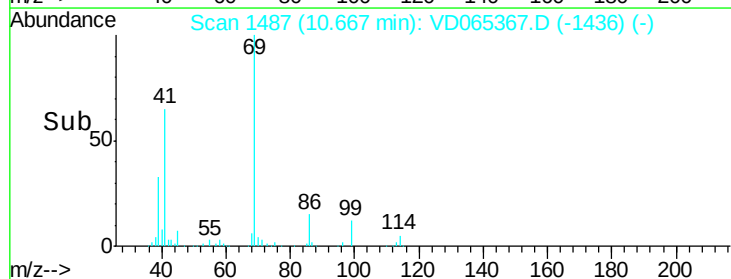
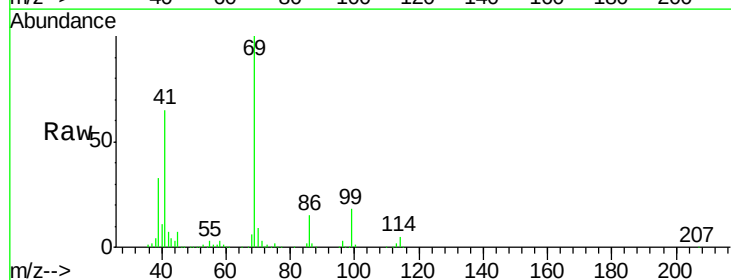
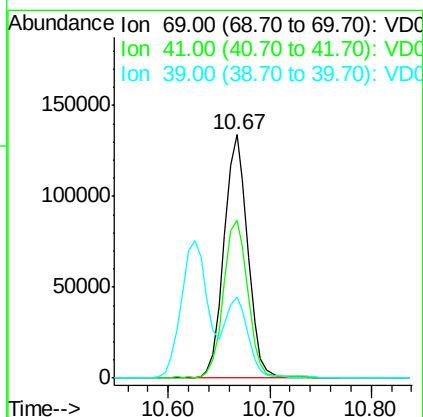
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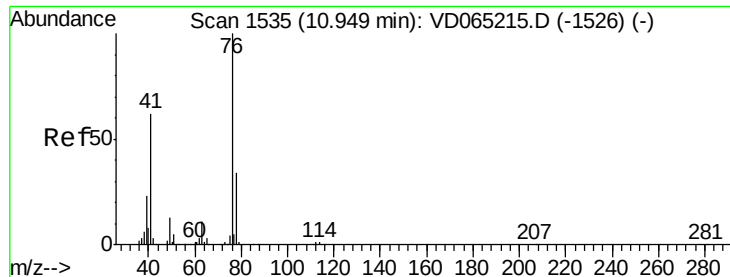
MMDadoda
 3/2/2020 10:35:34 AM



#56
 Ethyl methacrylate
 Concen: 63.651 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion:	69	Resp:	218549
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.6	81.8
39	30.8	26.5	39.7





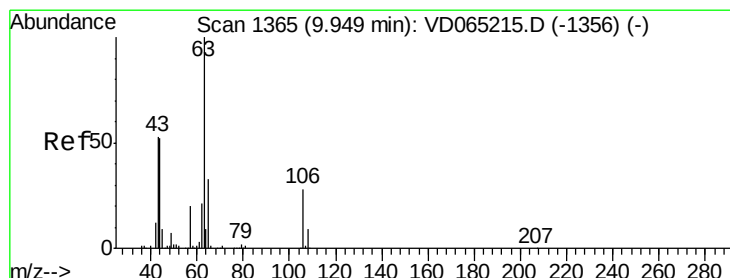
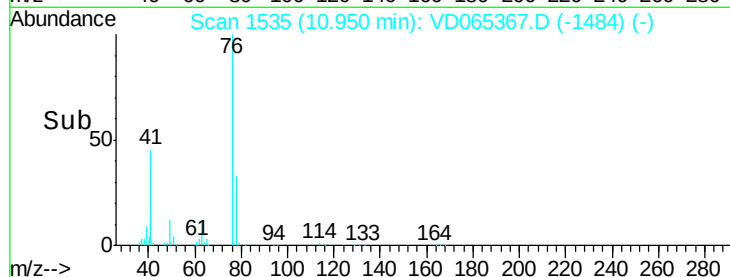
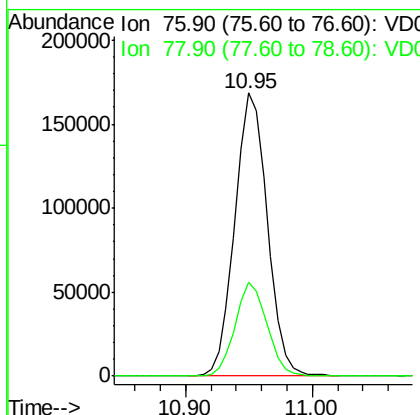
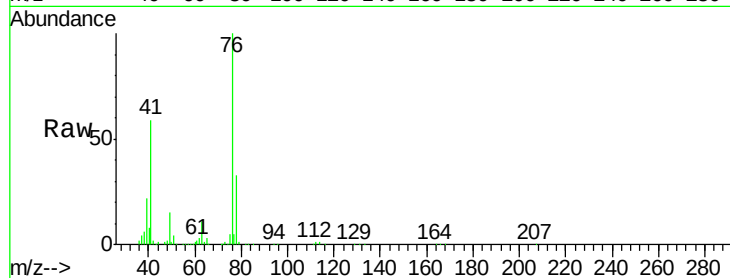
#57
 1,3-Dichloropropane
 Concen: 59.171 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5

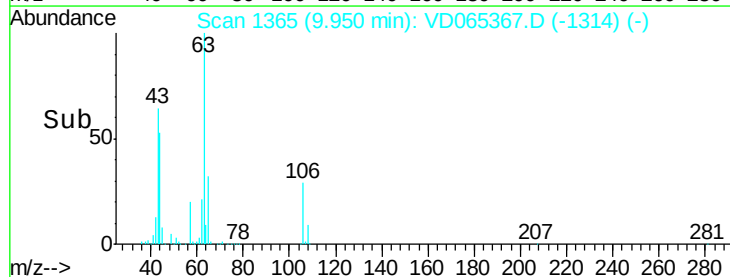
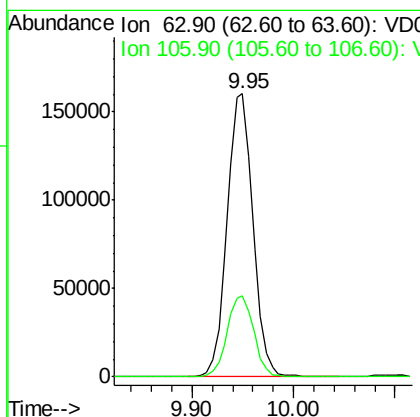
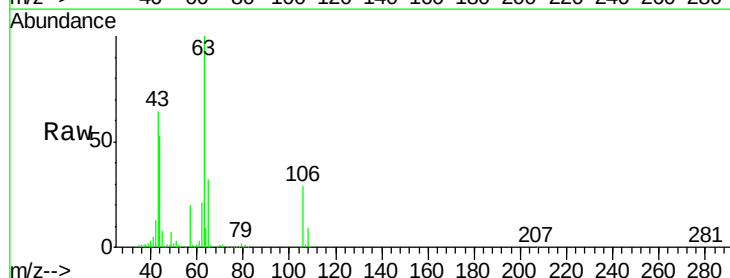
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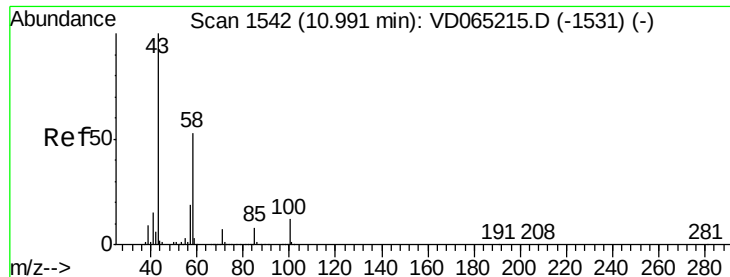
MMDadoda
 3/2/2020 10:35:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.978 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.8	34.2





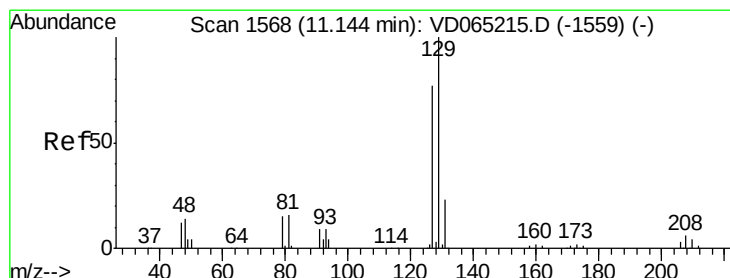
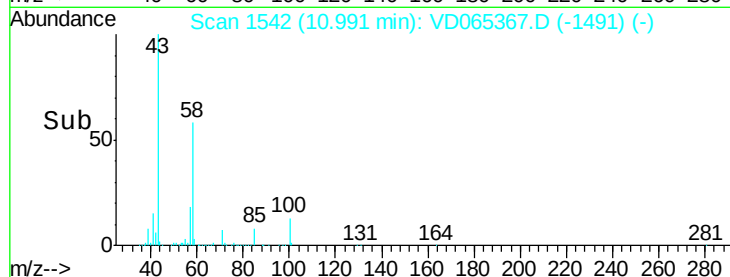
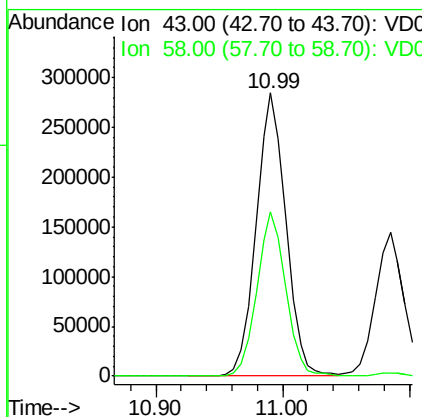
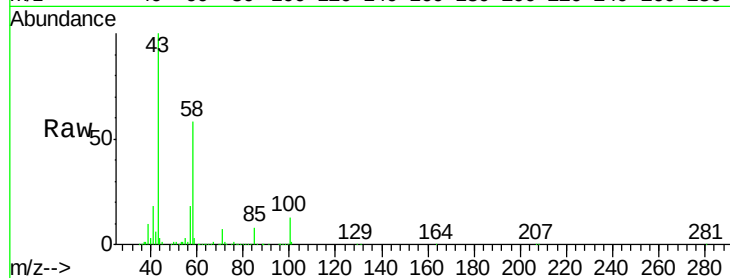
#59
2-Hexanone
Concen: 287.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 464846
Ion Ratio Lower Upper
43 100
58 56.2 26.3 78.8

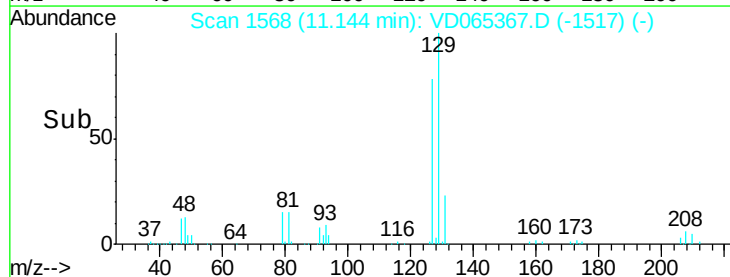
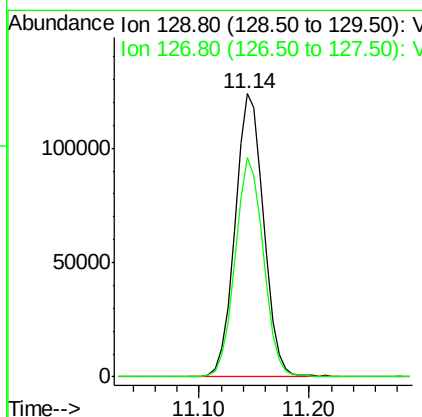
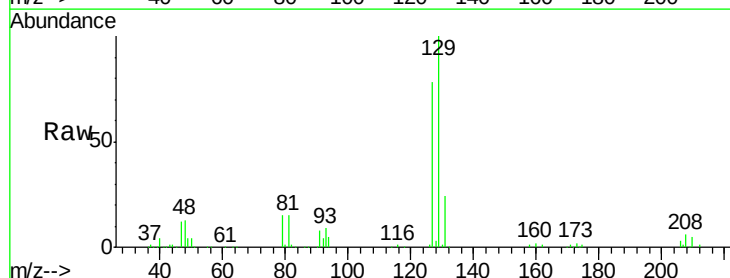
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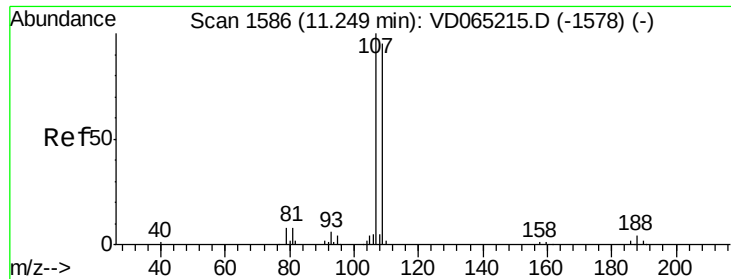
MMDadoda
3/2/2020 10:35:34 AM



#60
Dibromochloromethane
Concen: 59.162 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 129 Resp: 225256
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 59.929 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 168792

Ion Ratio Lower Upper

107 100

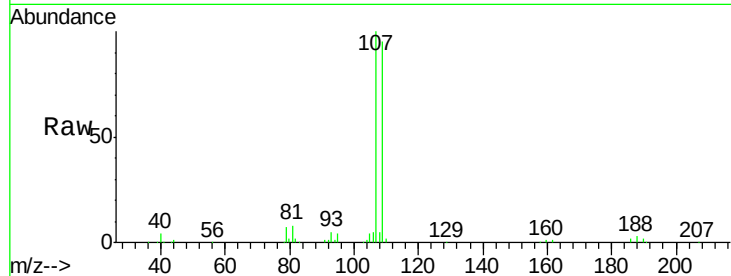
109 95.0 76.2 114.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

100000

80000

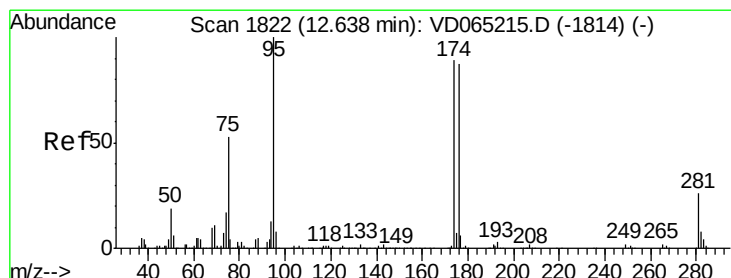
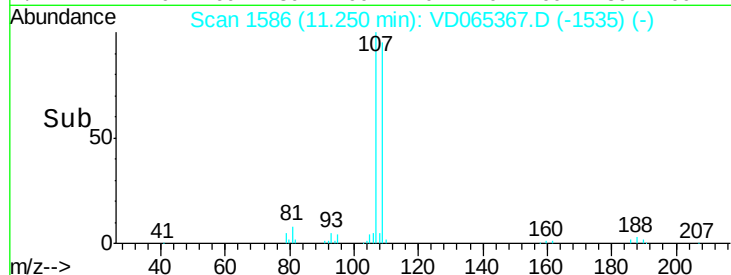
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.387 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

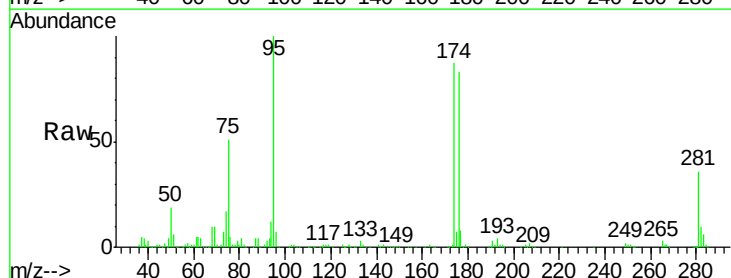
Tgt Ion: 95 Resp: 250455

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.0

176 87.7 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

200000

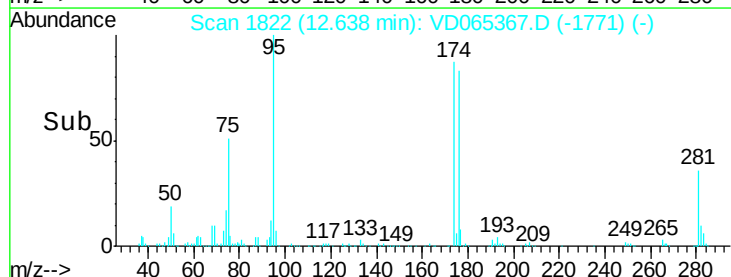
150000

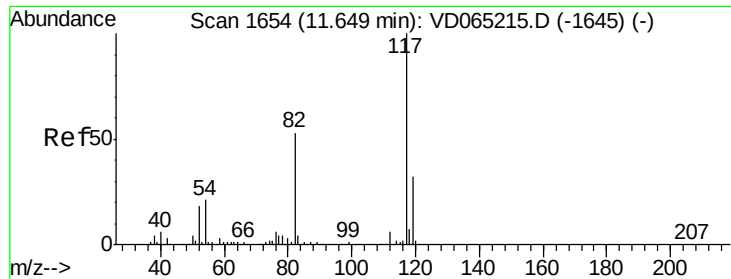
100000

50000

0

Time-->





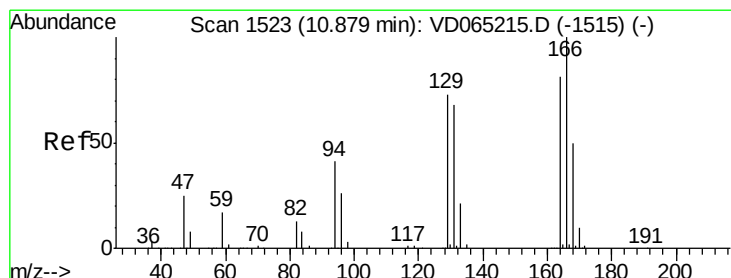
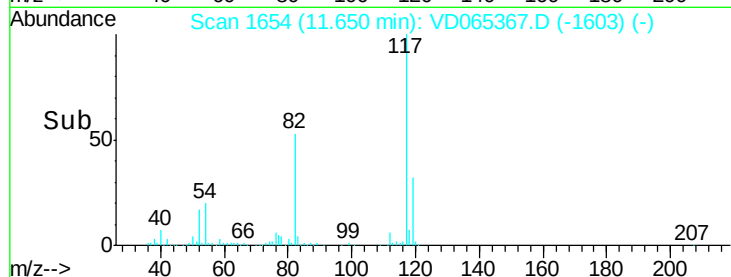
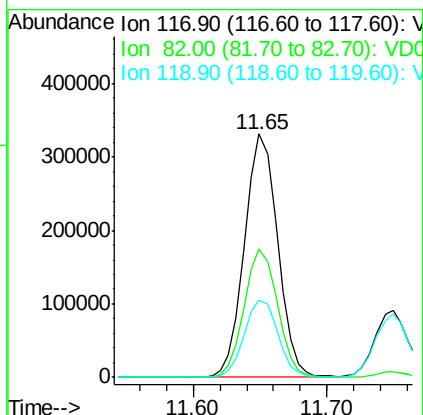
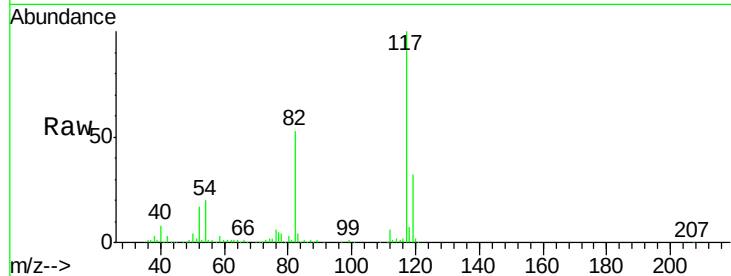
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.7	64.1
119	31.7	25.5	38.3

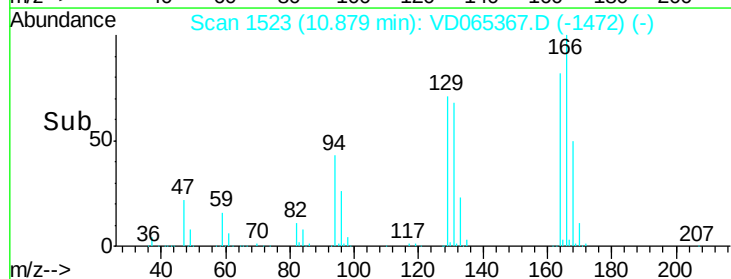
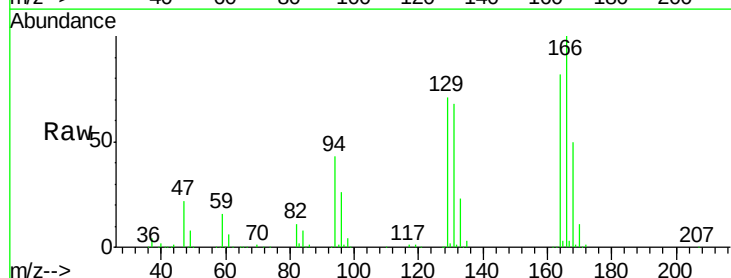
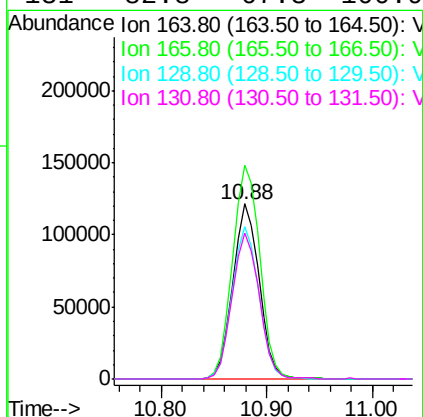
Manual Integrations
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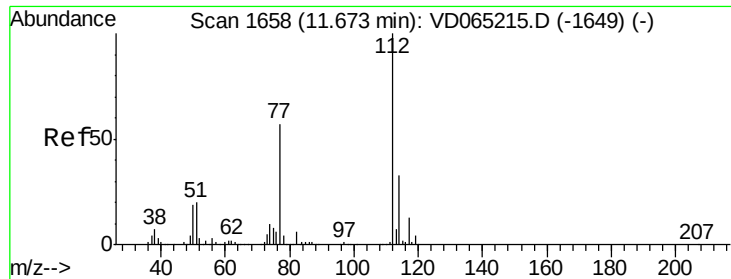
MMDadoda
3/2/2020 10:35:34 AM



#64
Tetrachloroethene
Concen: 51.830 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	98.4	147.6
129	86.7	71.6	107.4
131	82.8	67.3	100.9





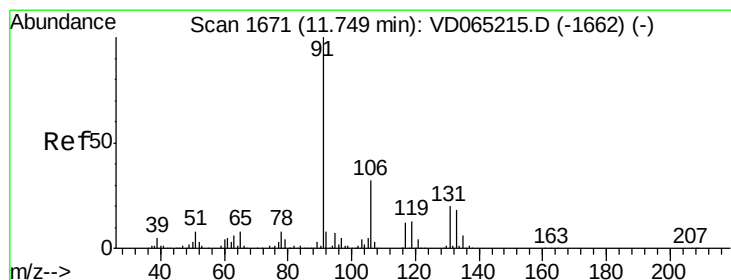
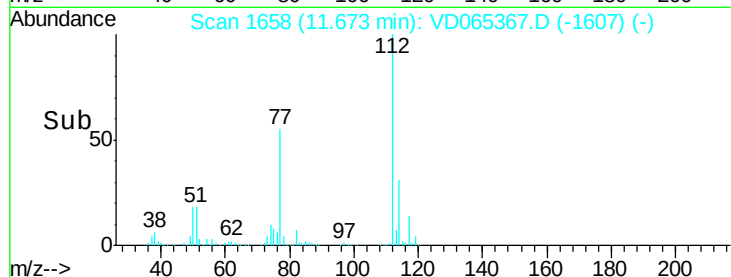
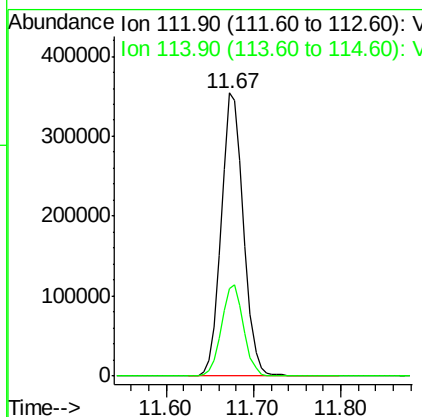
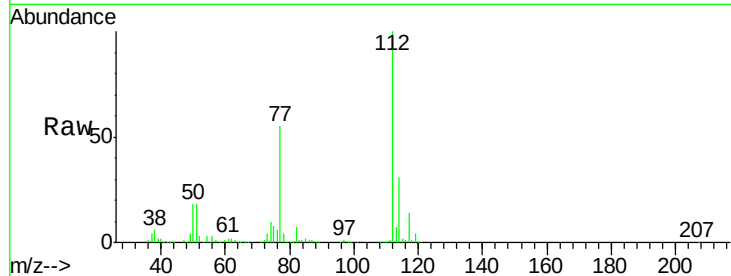
#65
Chlorobenzene
Concen: 54.228 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.4	39.6

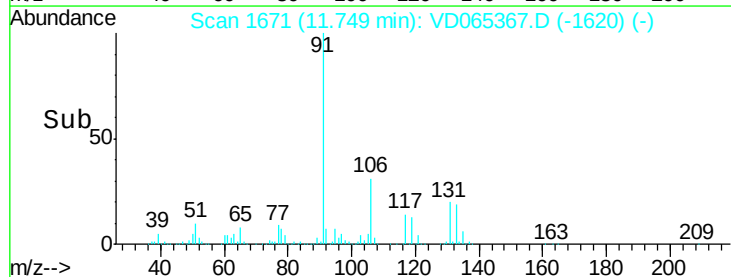
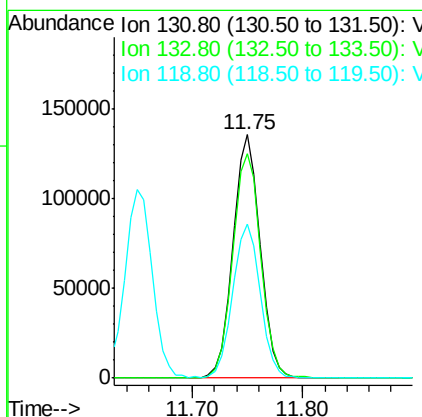
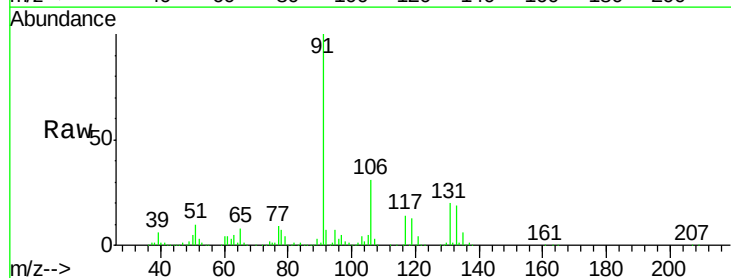
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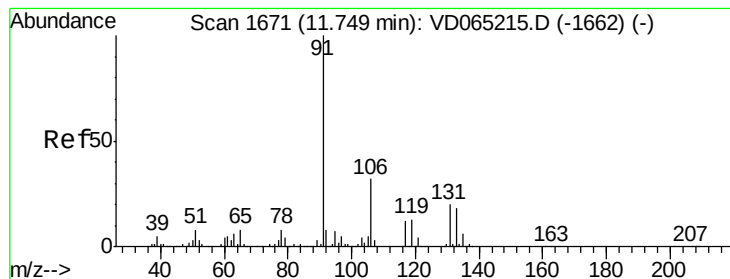
MMDadoda
3/2/2020 10:35:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.902 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	64.2	32.7	98.1





#67

Ethyl Benzene

Concen: 54.560 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1093188

Ion Ratio Lower Upper

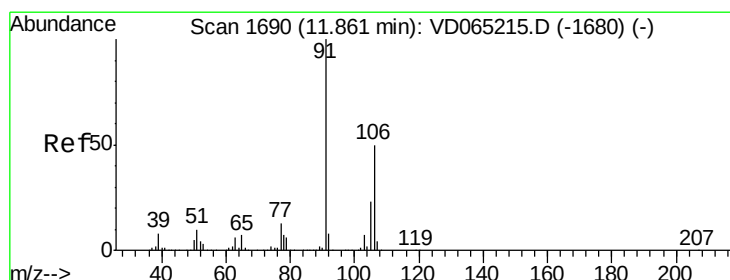
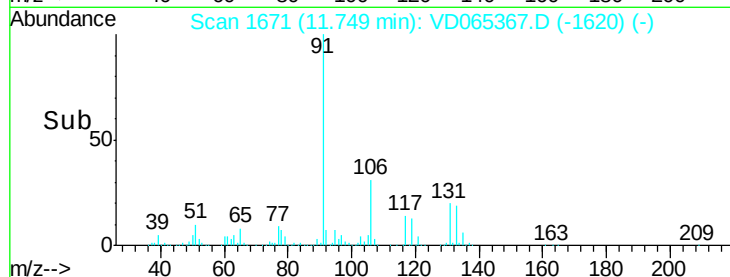
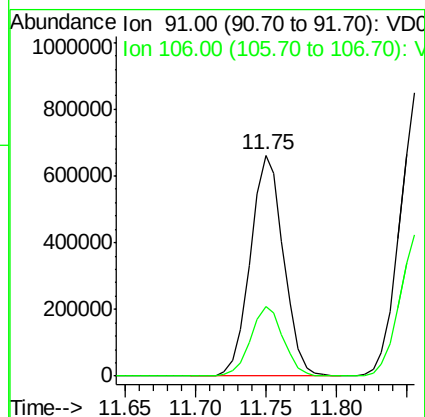
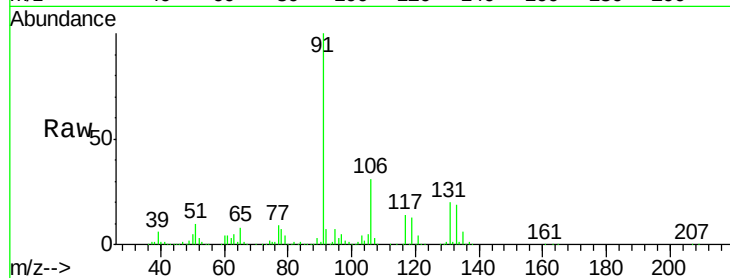
91 100

106 31.2 25.2 37.8

Manual Integrations
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MMDadoda

3/2/2020 10:35:34 AM



#68

m/p-Xylenes

Concen: 109.844 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065367.D

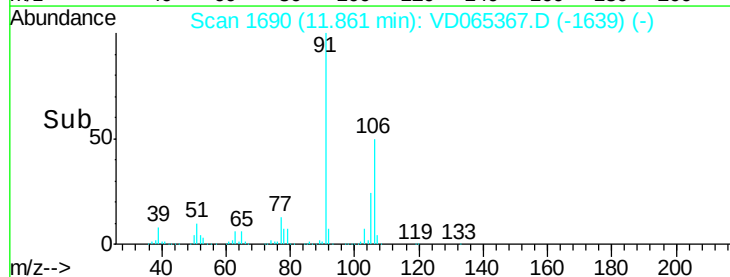
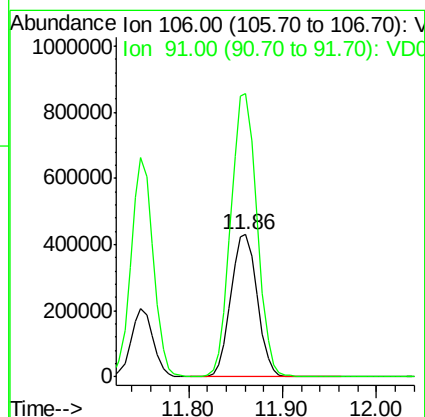
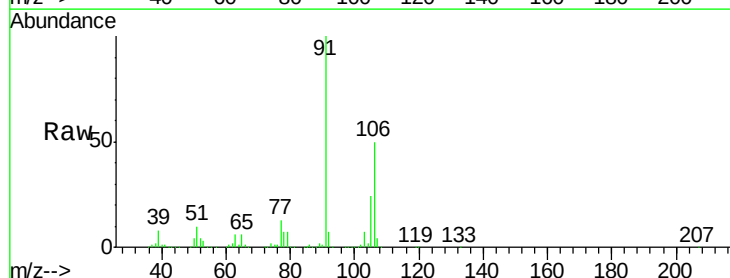
Acq: 28 Feb 2020 19:09

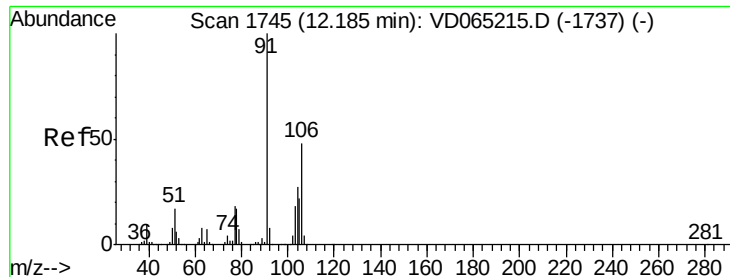
Tgt Ion: 106 Resp: 842035

Ion Ratio Lower Upper

106 100

91 196.7 158.2 237.4





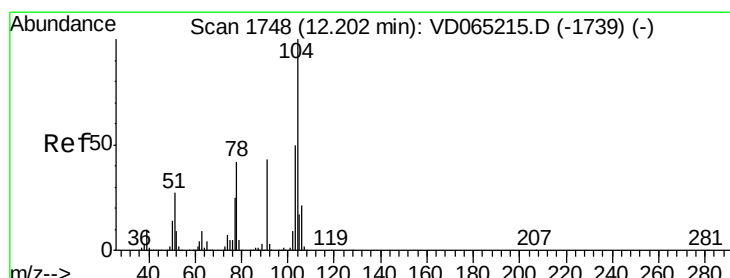
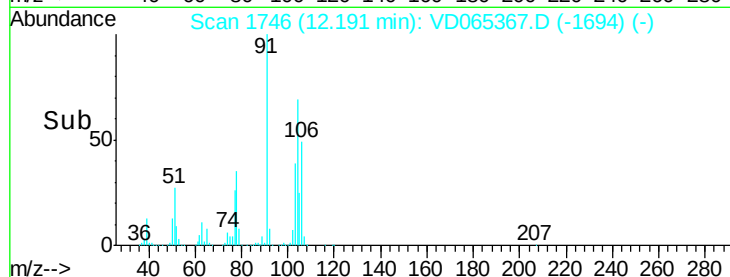
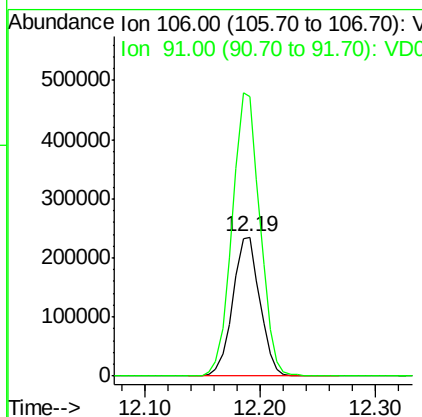
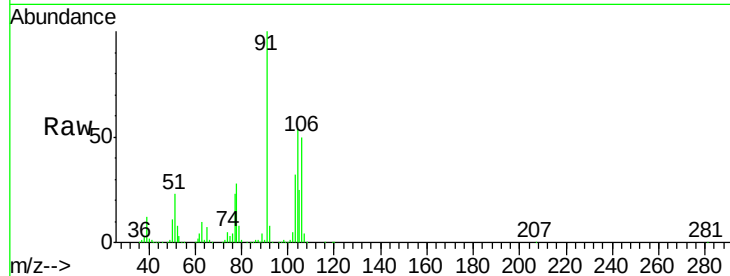
#69
o-Xylene
Concen: 56.442 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.9	104.7	313.9	

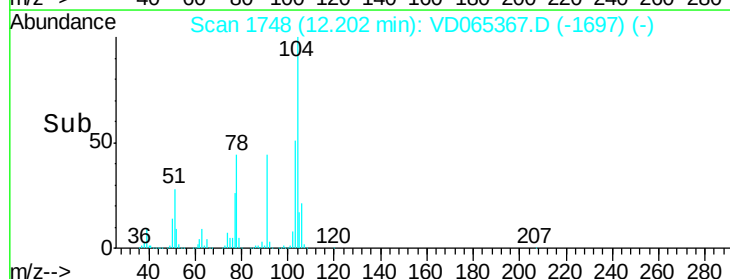
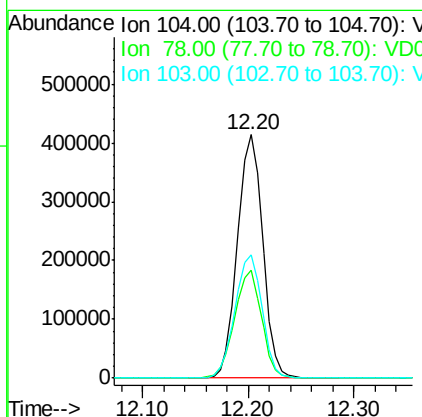
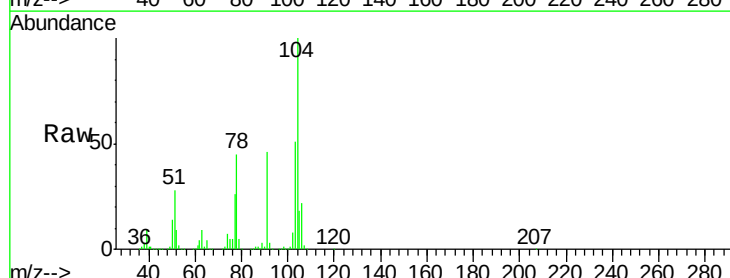
Manual Integrations
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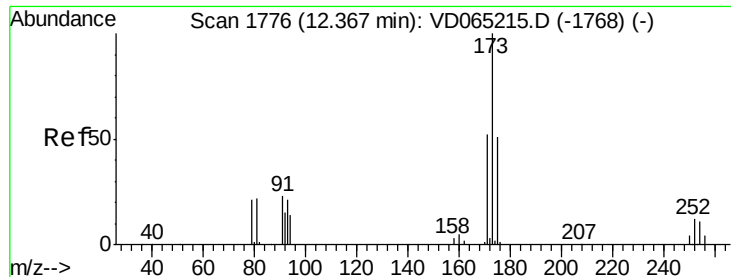
MMDadoda
3/2/2020 10:35:34 AM



#70
Styrene
Concen: 57.025 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	37.8	56.6	
103	54.1	43.4	65.2	





#71

Bromoform

Concen: 57.032 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

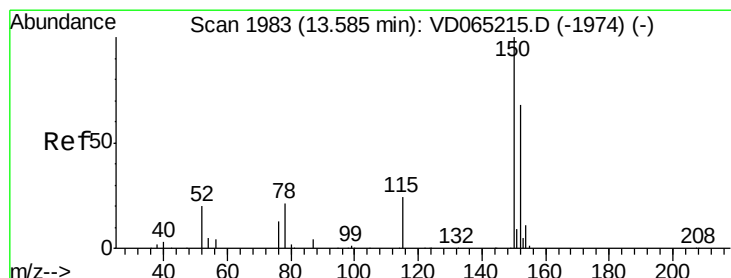
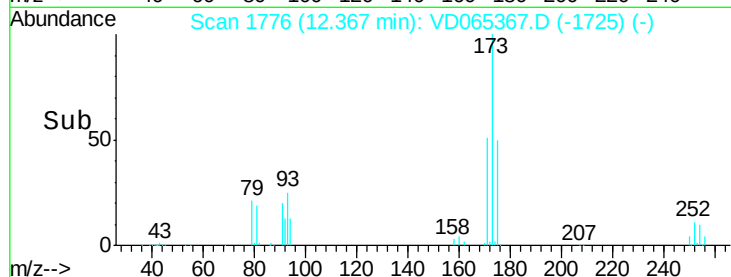
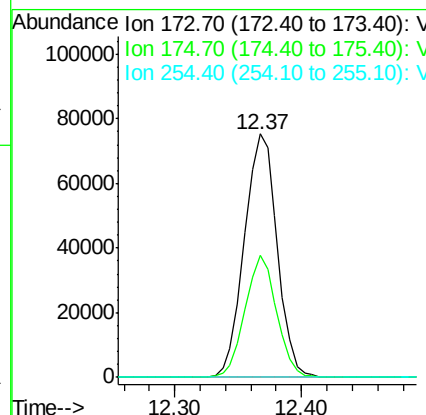
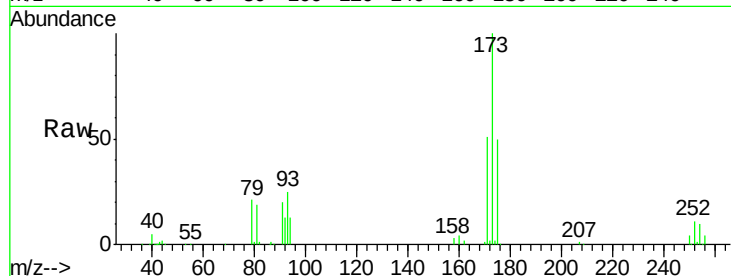
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.2	0.0	0.0

Manual Integrations
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MMDadoda
3/2/2020 10:35:34 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

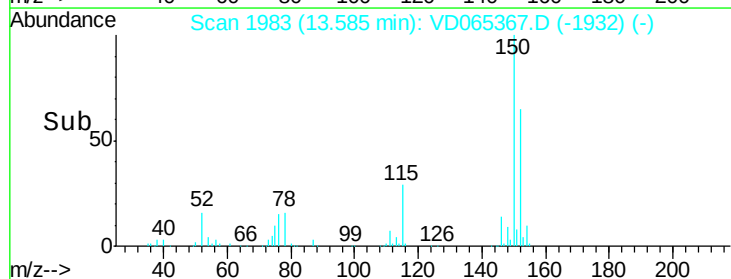
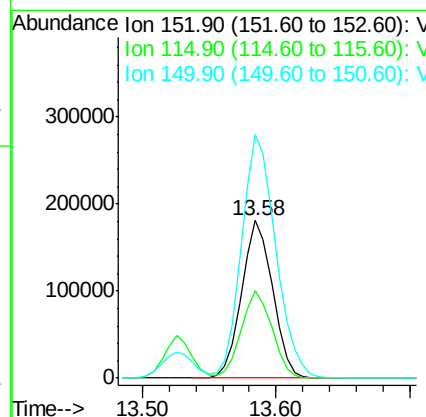
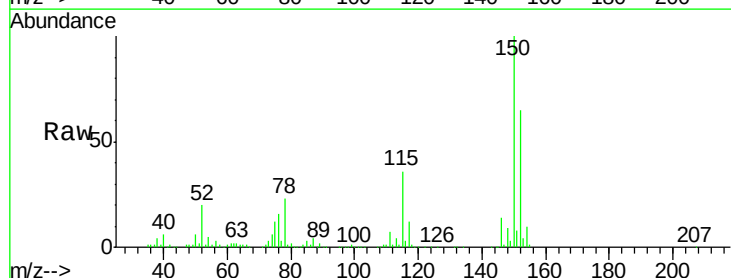
RT: 13.58 min Scan# 1983

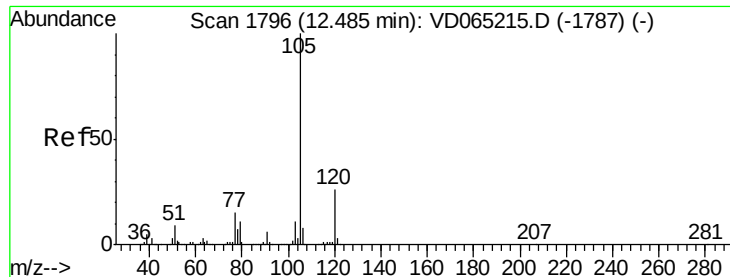
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.8
150	171.5	0.0	347.4





#73

Isopropylbenzene

Concen: 53.603 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 105 Resp: 1025843

Ion Ratio Lower Upper

105 100

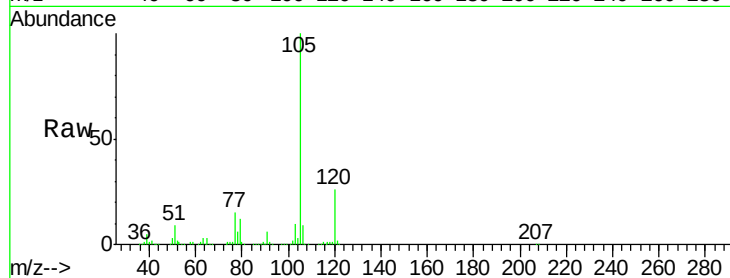
120 26.9 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

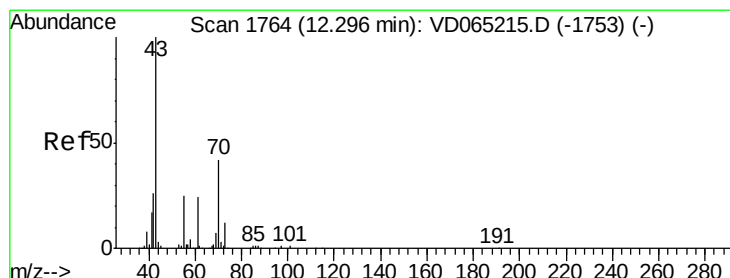
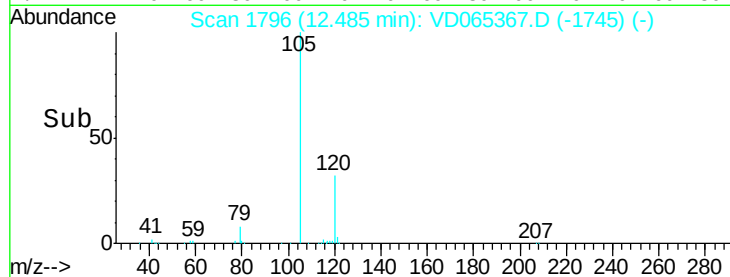
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.442 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion: 43 Resp: 235770

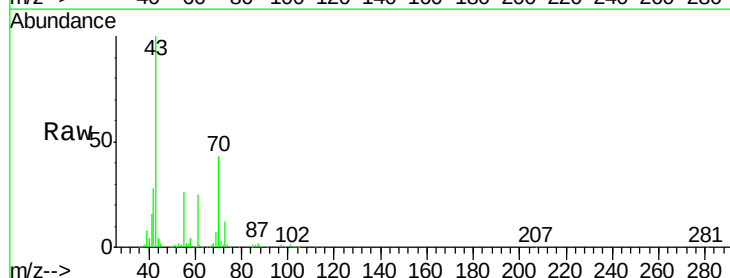
Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 27.3 20.7 31.1

61 24.8 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

12.30

250000

200000

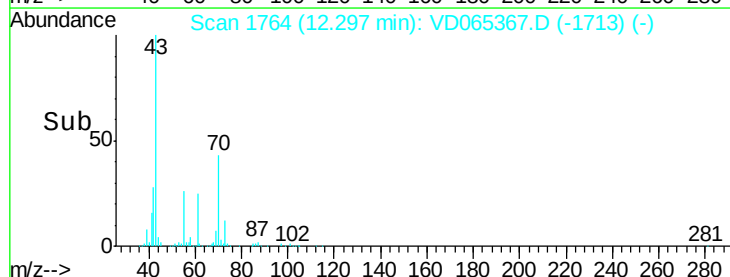
150000

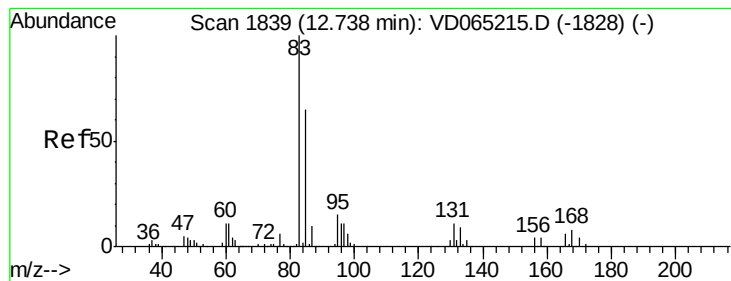
100000

50000

0

Time-->





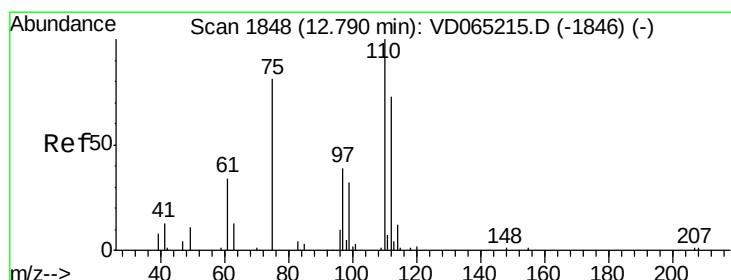
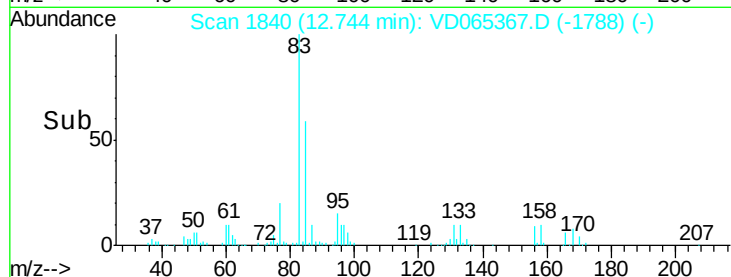
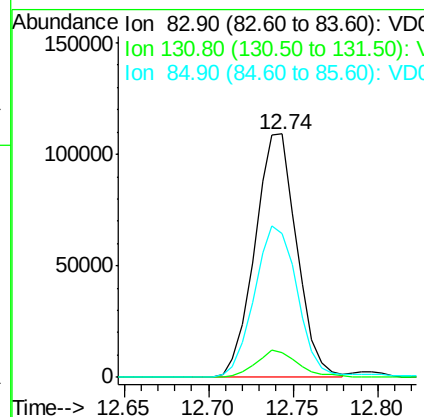
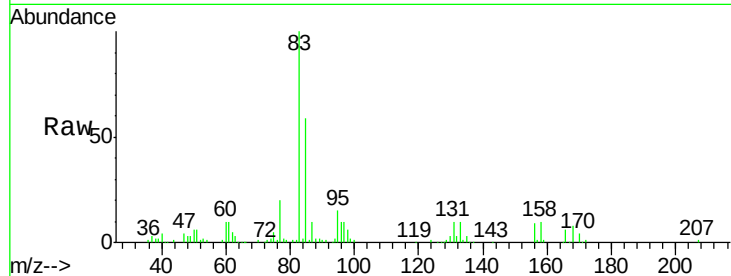
#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.517 ug/l
 RT: 12.74 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188300		
131	11.1	5.4	16.2	
85	64.0	31.6	94.8	

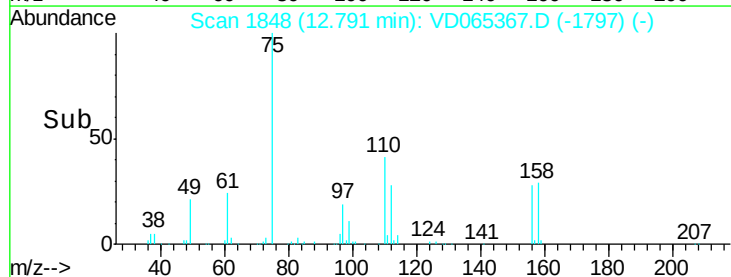
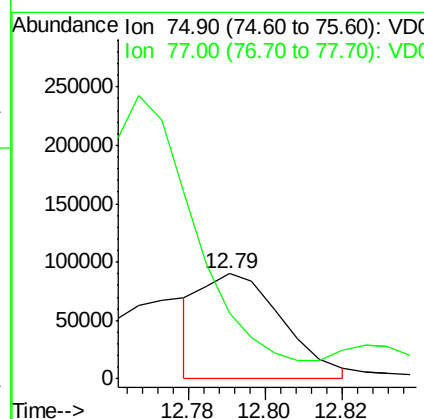
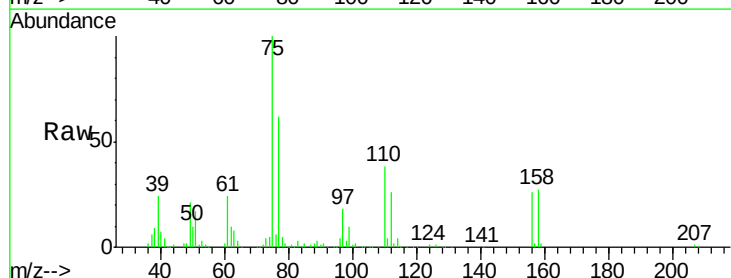
Manual Integrations
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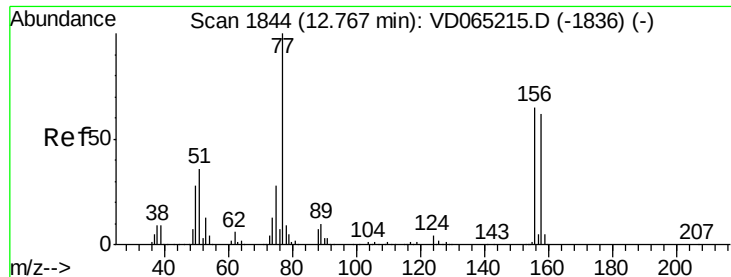
MMDadoda
 3/2/2020 10:35:34 AM



#76
 1,2,3-Trichloropropane
 Concen: 53.584 ug/l m
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131790		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 54.566 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

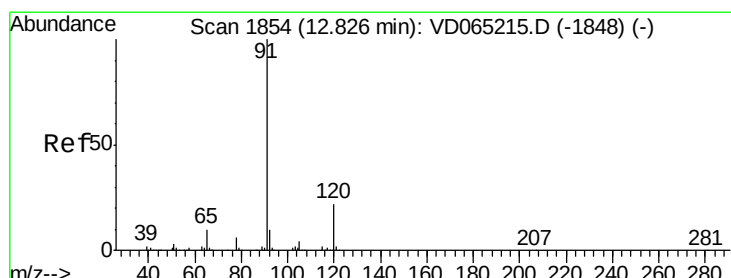
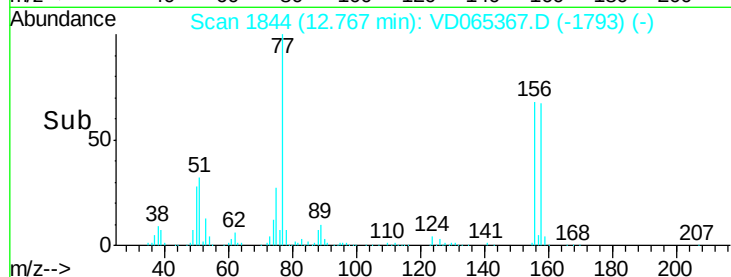
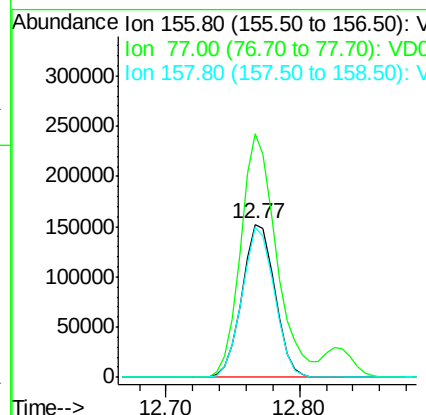
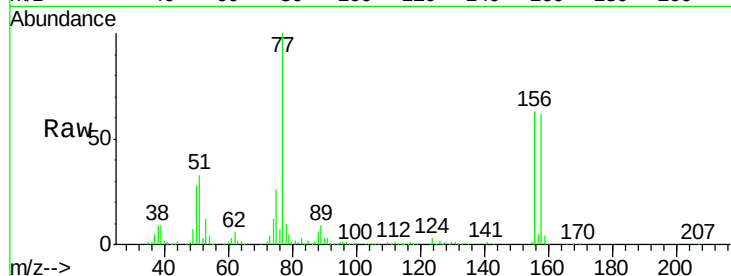
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		259312		
77	171.8	86.6	259.7		
158	96.8	48.1	144.3		

Manual Integrations
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3/2/2020 10:35:34 AM



#78

n-propylbenzene

Concen: 52.902 ug/l

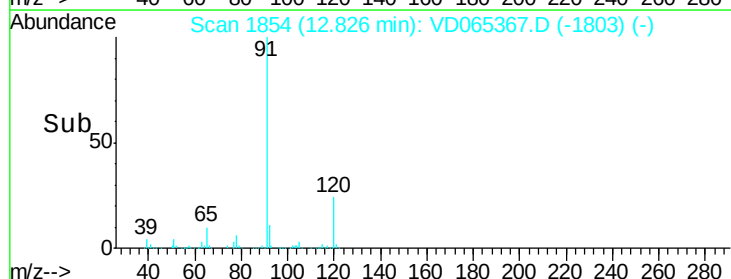
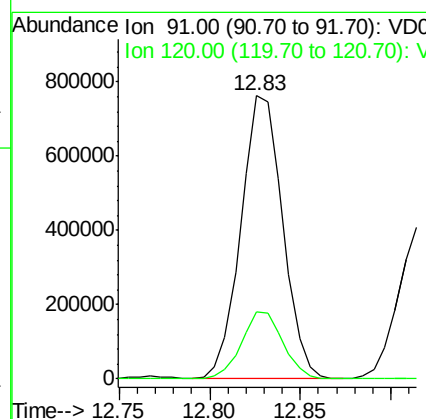
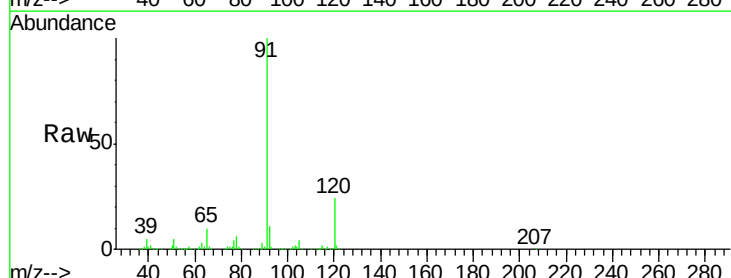
RT: 12.83 min Scan# 1854

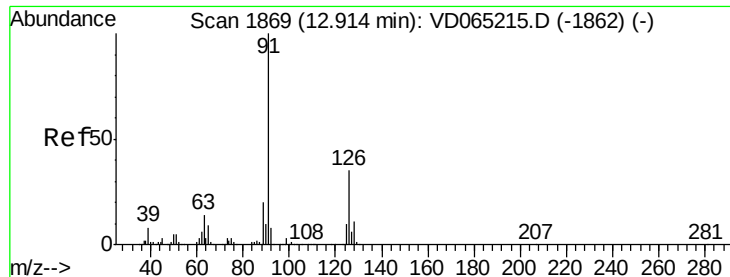
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1216676		
120	23.6	11.5	34.5		





#79

2-Chlorotoluene

Concen: 53.423 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 688302

Ion Ratio Lower Upper

91 100

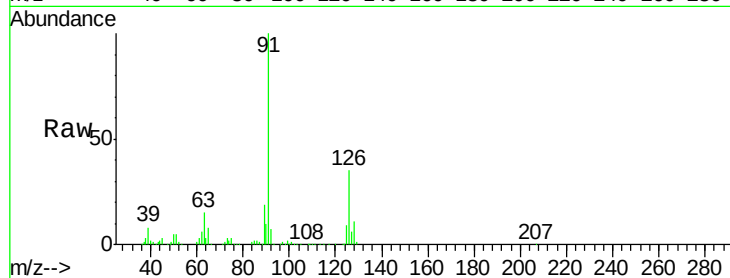
126 35.6 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

800000

600000

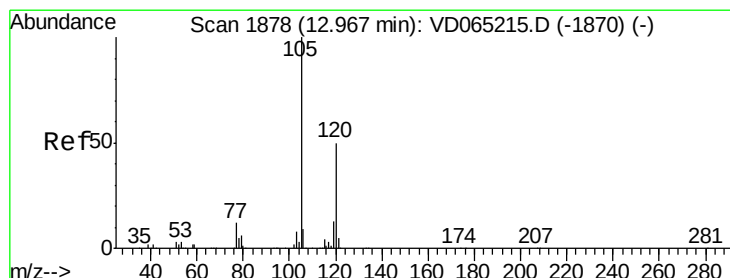
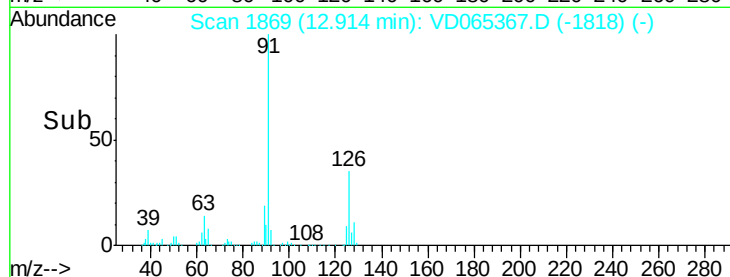
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.340 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065367.D

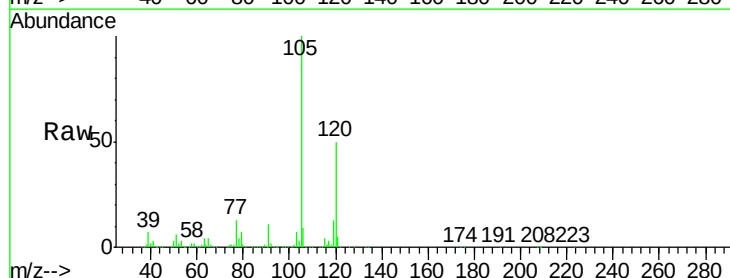
Acq: 28 Feb 2020 19:09

Tgt Ion: 105 Resp: 856538

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

600000

500000

400000

300000

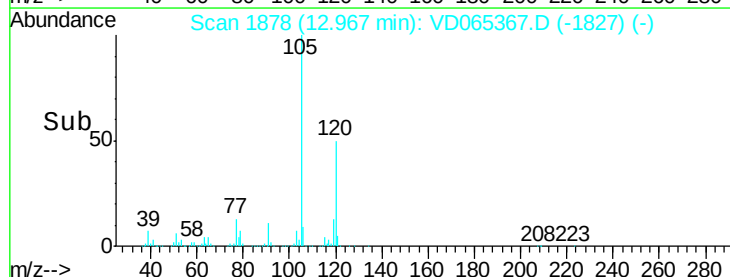
200000

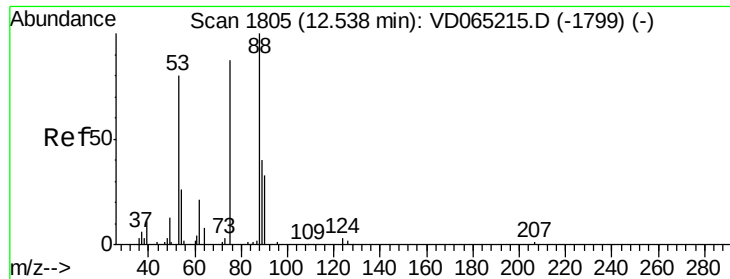
100000

0

12.90 13.00

Time-->





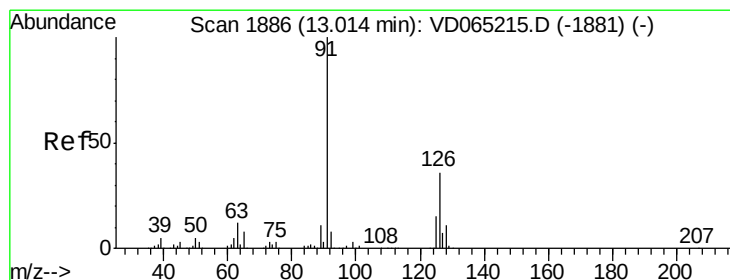
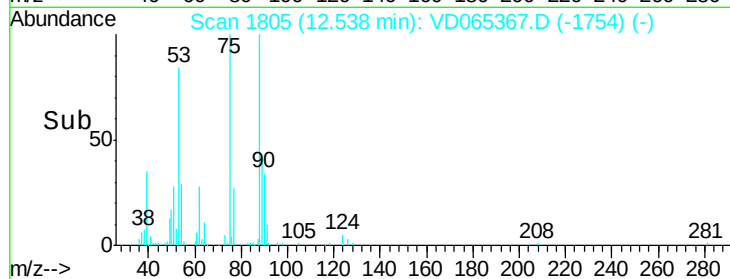
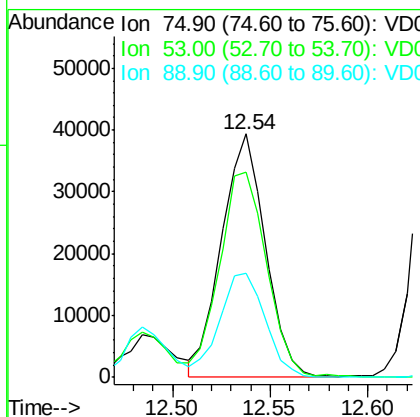
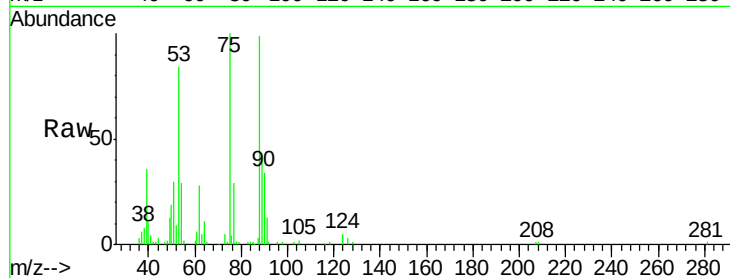
#81
trans-1,4-Dichloro-2-butene
Concen: 53.873 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	77.6	116.4
89	44.5	37.2	55.8

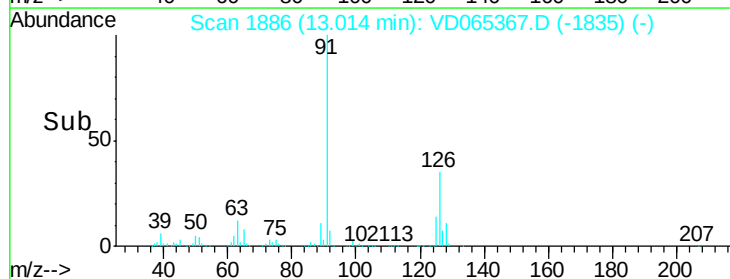
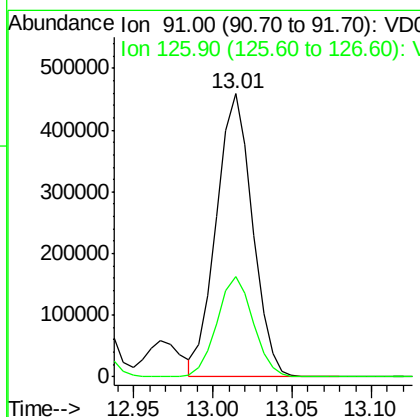
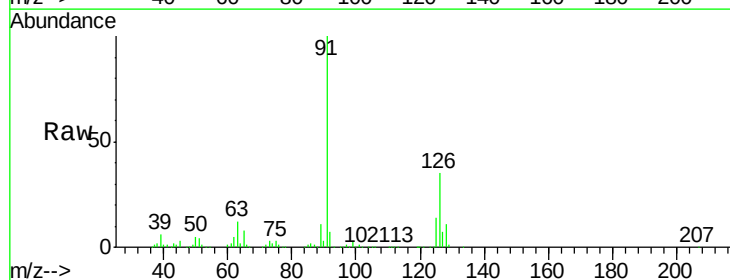
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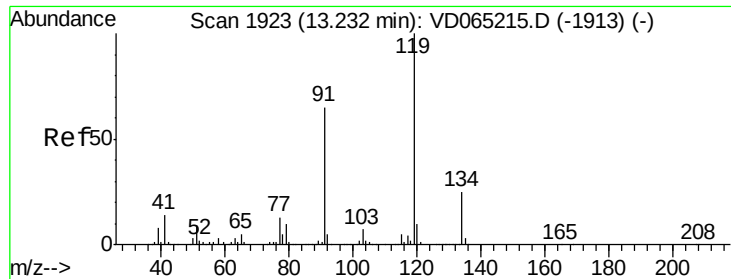
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.234 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





#83

tert-Butylbenzene

Concen: 53.574 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

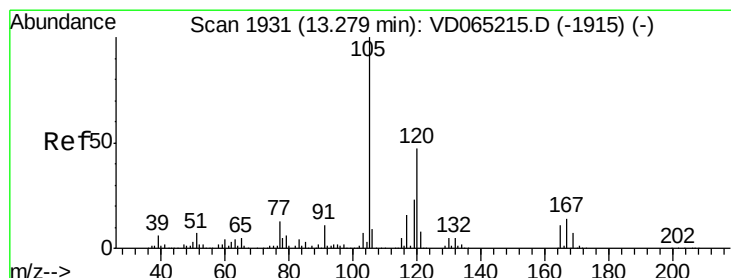
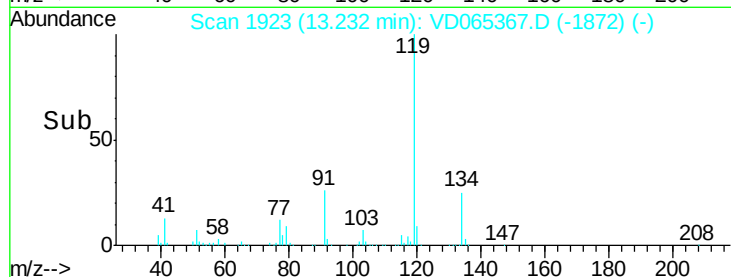
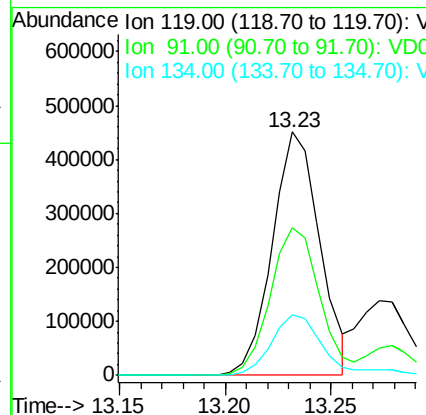
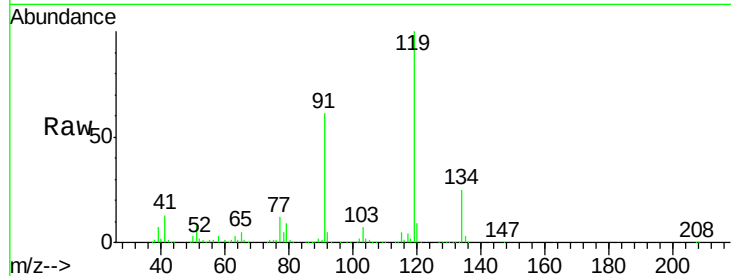
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	707759
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.9	95.5
134	27.8	13.8	41.3

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#84

1,2,4-Trimethylbenzene

Concen: 54.436 ug/l

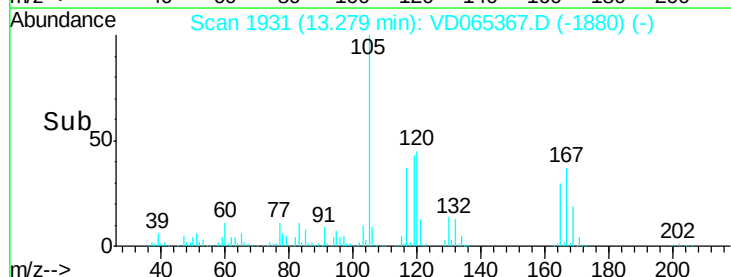
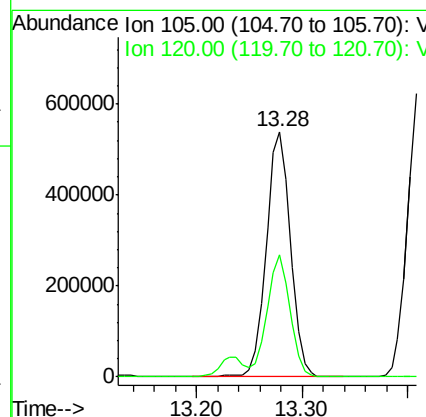
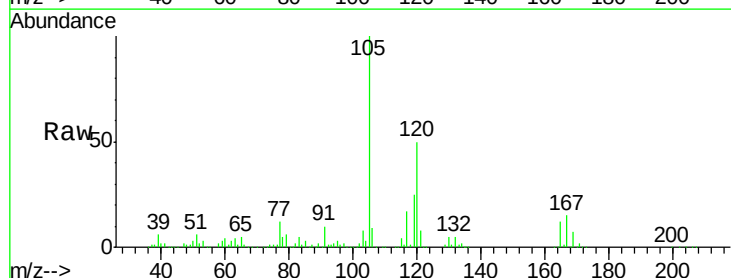
RT: 13.28 min Scan# 1931

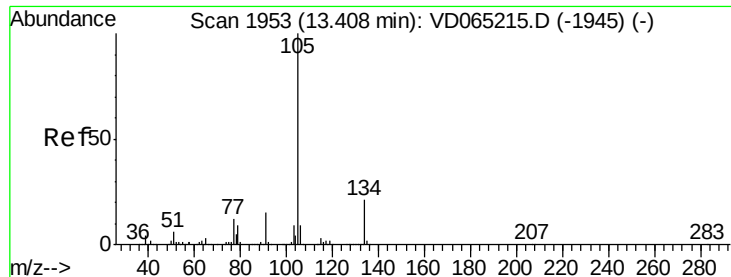
Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion:	105	Resp:	858839
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.3	69.9





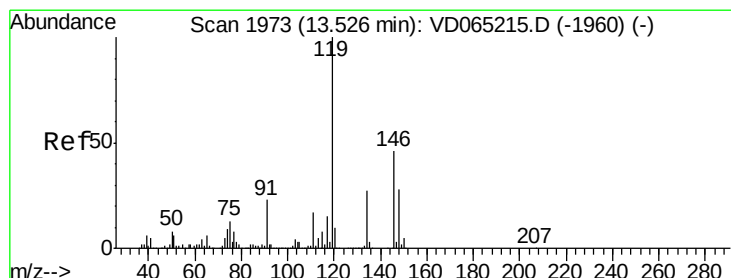
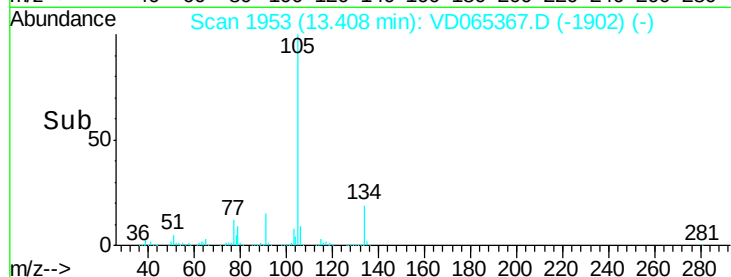
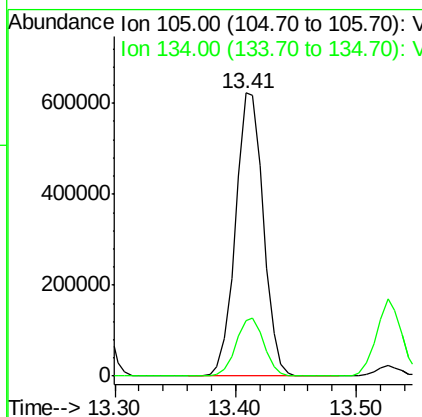
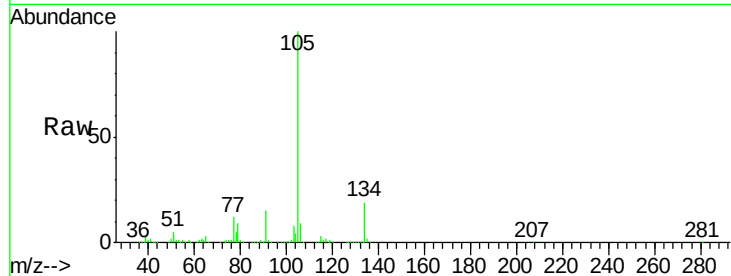
#85
 sec-Butylbenzene
 Concen: 52.596 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9

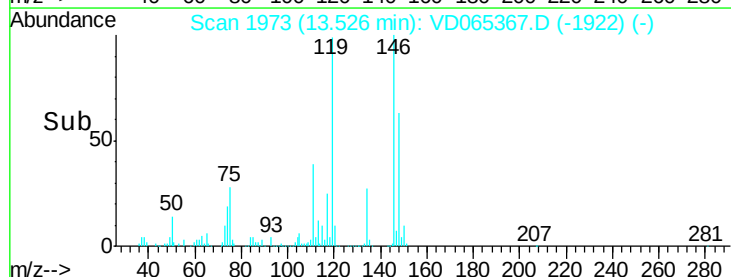
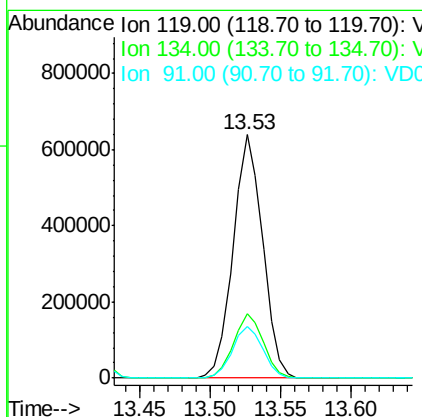
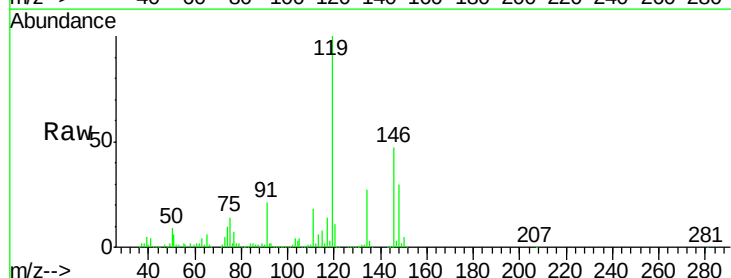
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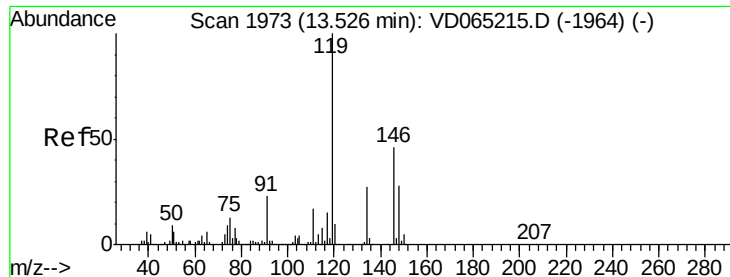
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 53.561 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.9	11.1	33.1





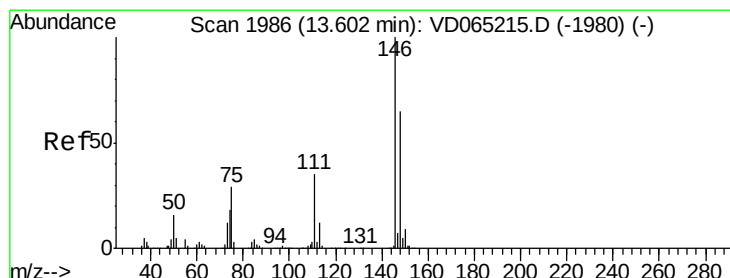
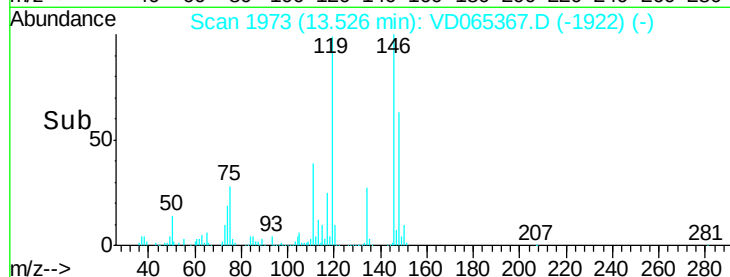
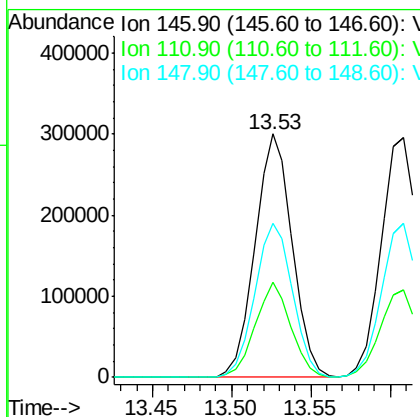
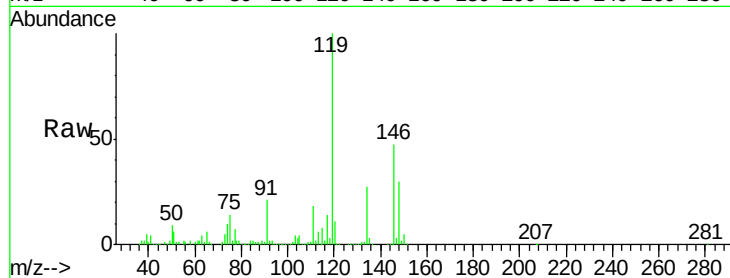
#87
1,3-Dichlorobenzene
Concen: 53.013 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.2	31.4	94.3

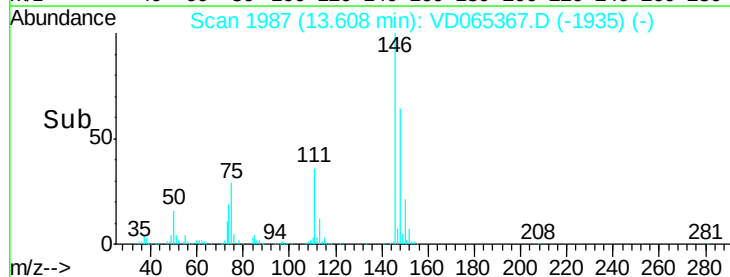
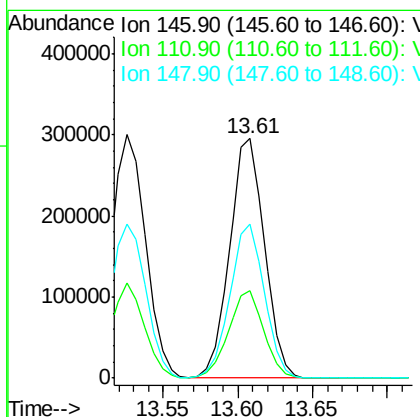
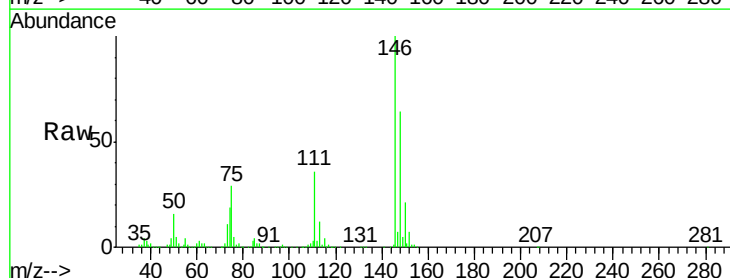
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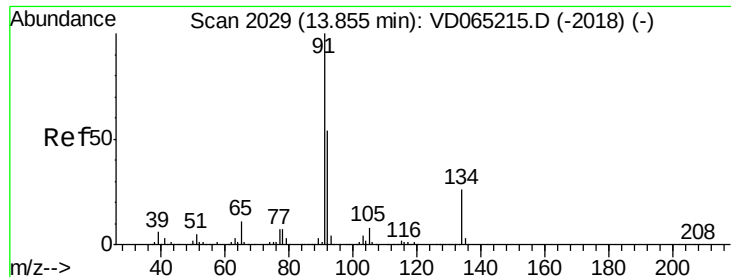
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 53.173 ug/l
RT: 13.61 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	63.7	32.1	96.5





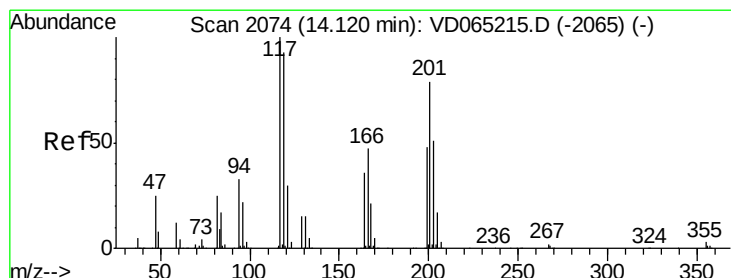
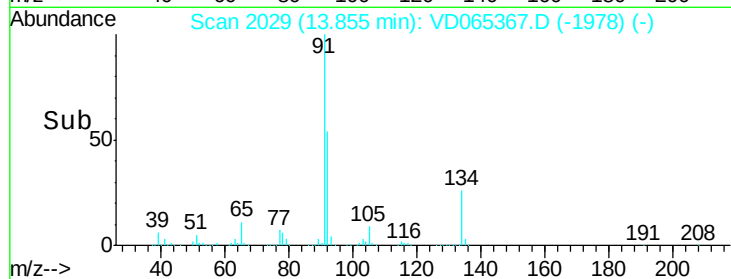
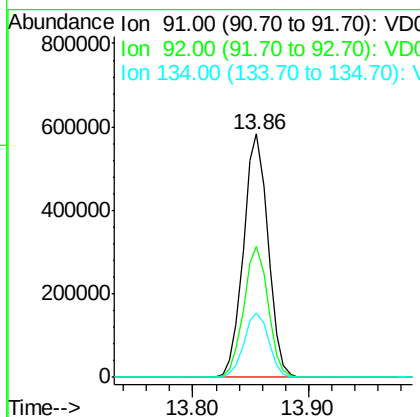
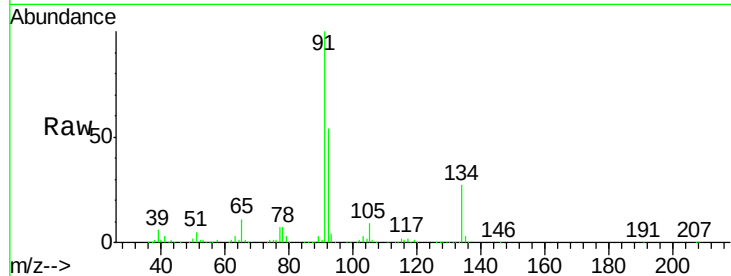
#89
n-Butylbenzene
Concen: 53.800 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	26.7	13.5	40.4

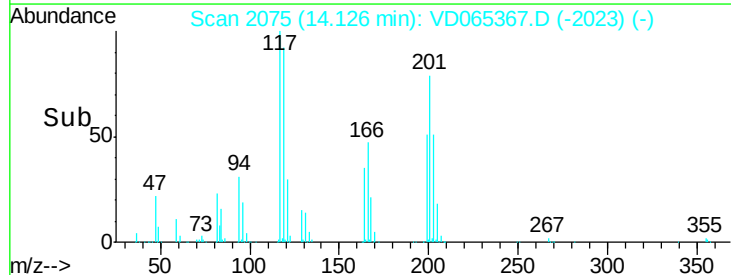
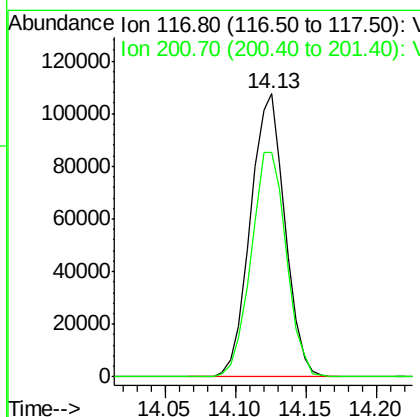
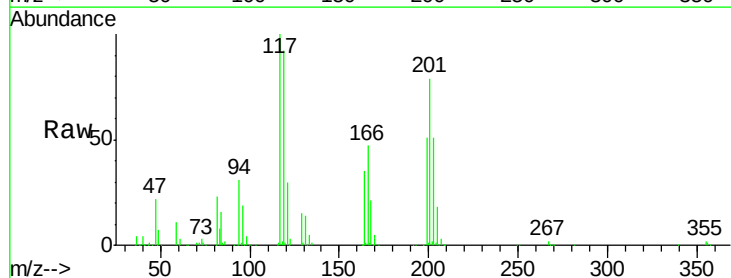
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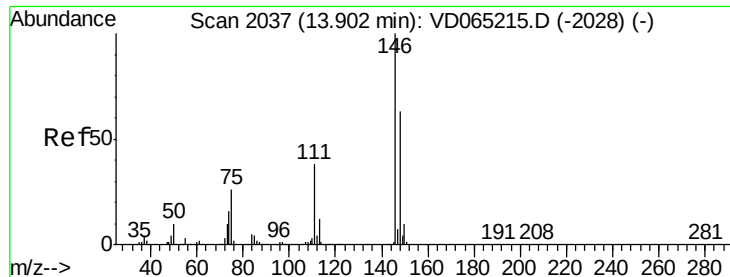
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#90
Hexachloroethane
Concen: 52.176 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.3	124.1





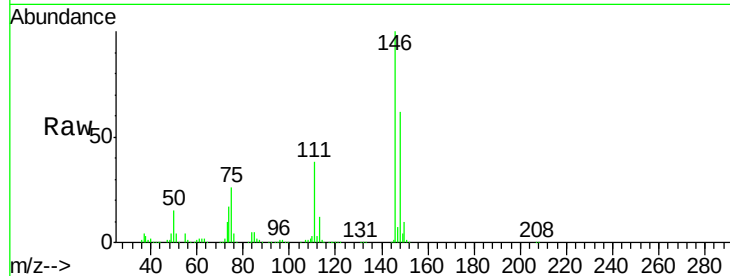
#91
 1,2-Dichlorobenzene
 Concen: 54.591 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

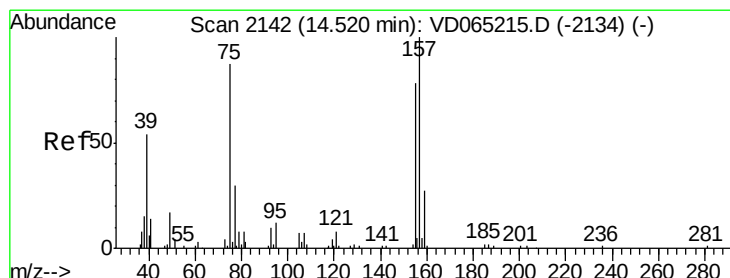
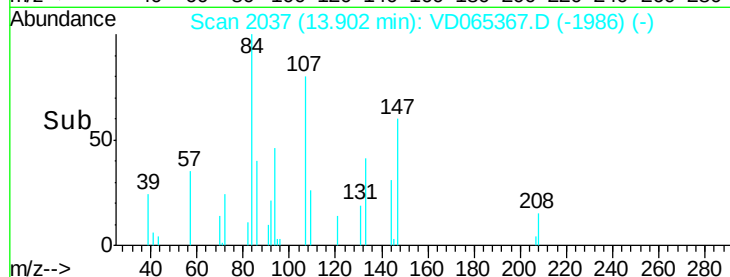
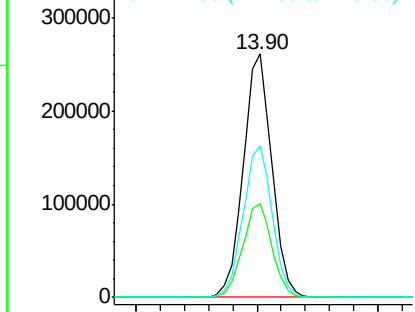
Tot Ion	Ratio	Resp	Lower	Upper
146	100	430642		
111	39.3	19.7	59.0	
148	63.3	32.0	96.2	

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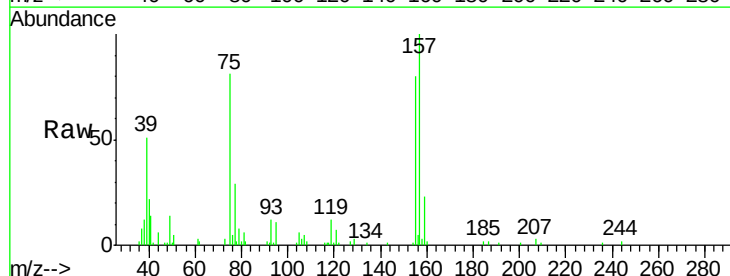


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

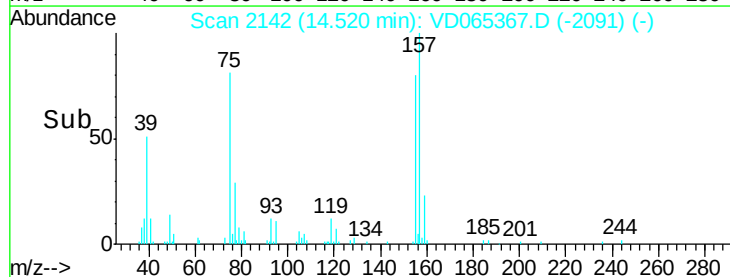
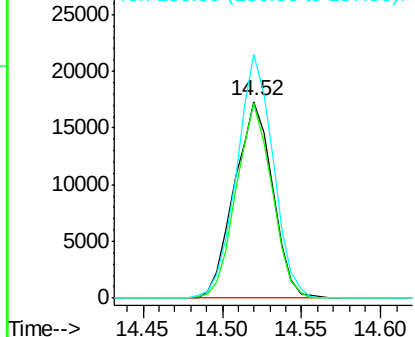


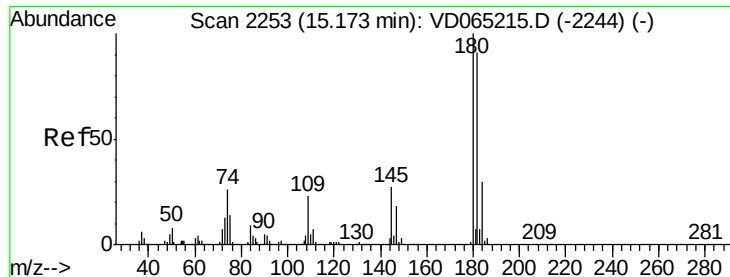
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.316 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28911		
155	92.8	42.3	126.9	
157	118.3	56.7	170.1	



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





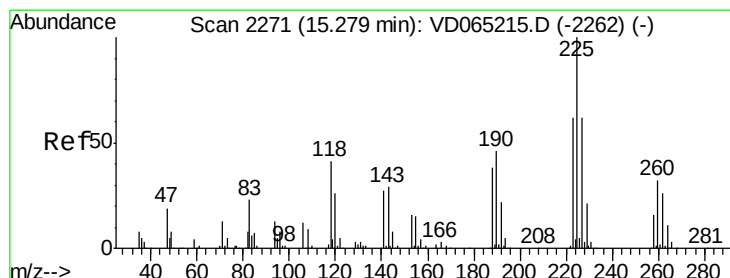
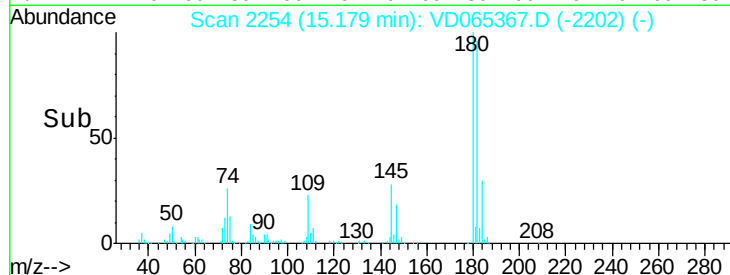
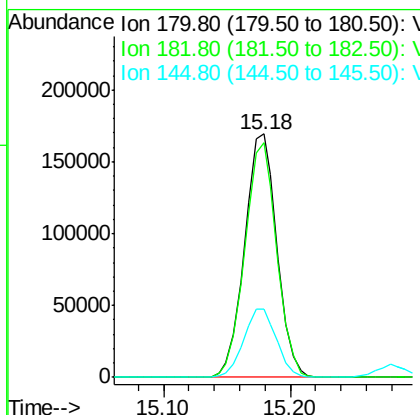
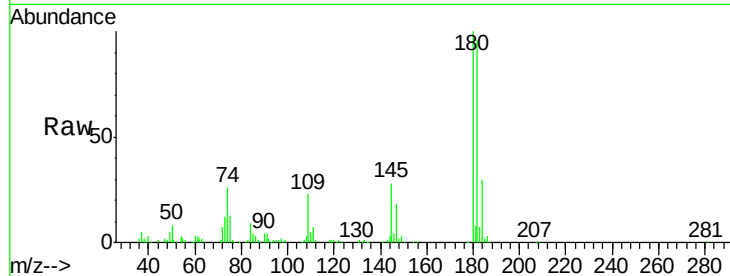
#93
 1,2,4-Trichlorobenzene
 Concen: 57.880 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298657		
182	95.3	46.9	140.6	
145	28.6	13.9	41.7	

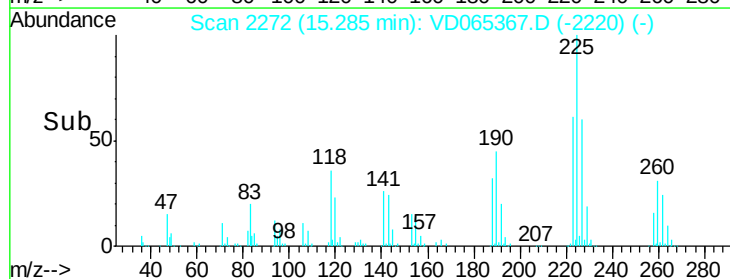
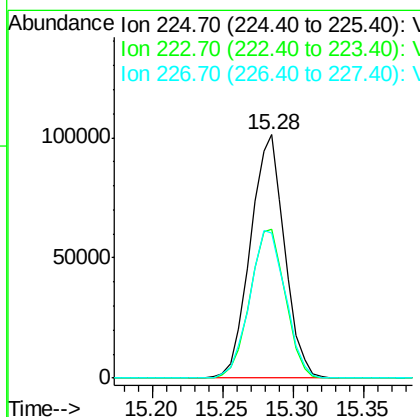
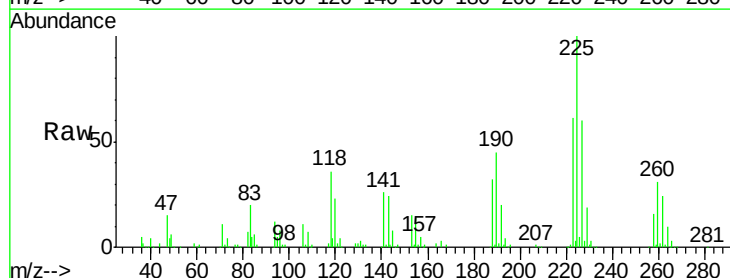
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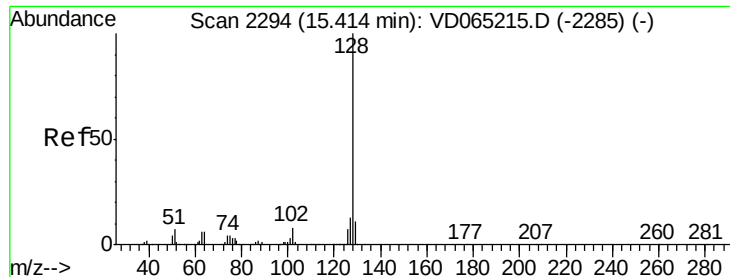
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 3/2/2020 10:35:34 AM



#94
 Hexachlorobutadiene
 Concen: 51.854 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171637		
223	63.2	31.4	94.2	
227	63.9	31.7	95.1	





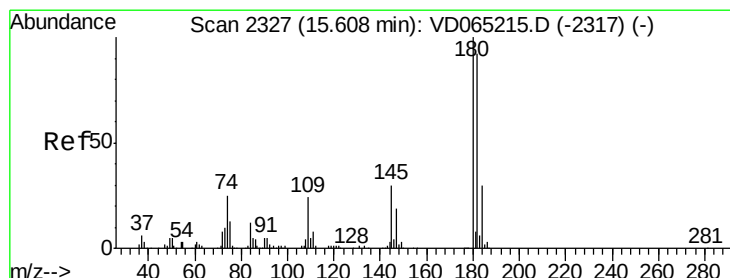
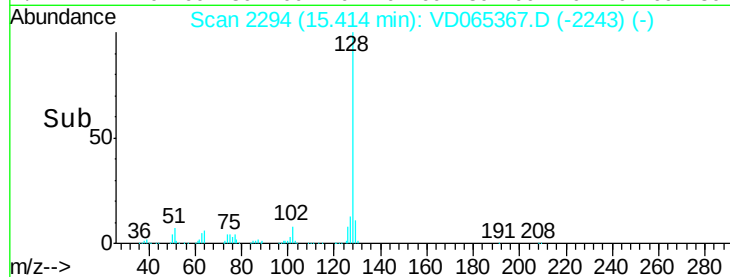
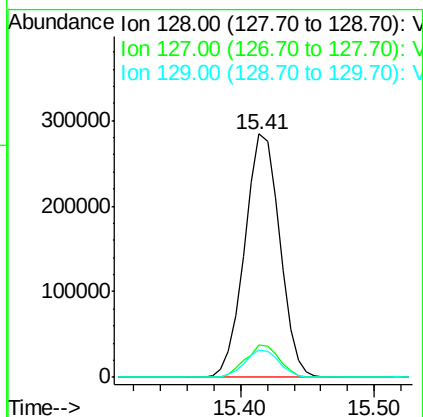
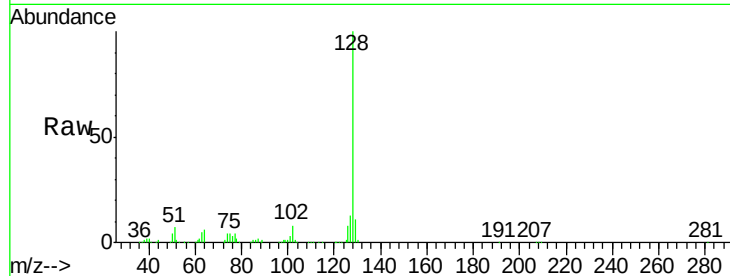
#95
Naphthalene
Concen: 61.626 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.623 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	46.9	140.6
145	31.2	15.4	46.1

