

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065386.D
 Acq On : 03 Mar 2020 11:20
 Operator : VA/SY
 Sample : VD0303SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:22 PM

Quant Time: Mar 04 05:01:29 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	475286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203150	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	216879	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	843679	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.64	95	277586	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69084	17.330	ug/l	97
3) Chloromethane	2.21	50	89150	17.570	ug/l	93
4) Vinyl Chloride	2.35	62	90891	17.616	ug/l	99
5) Bromomethane	2.76	94	57832	18.538	ug/l	95
6) Chloroethane	2.93	64	55990	17.778	ug/l	94
7) Trichlorofluoromethane	3.27	101	147992	20.034	ug/l	98
8) Diethyl Ether	3.71	74	43489	19.504	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	94403	20.237	ug/l	98
10) Methyl Iodide	4.29	142	81962	16.922	ug/l	97
11) Tert butyl alcohol	5.24	59	22111	86.540	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	87854	19.937	ug/l	96
13) Acrolein	3.93	56	29591	73.949	ug/l	100
14) Allyl chloride	4.70	41	133861	18.706	ug/l	96
15) Acrylonitrile	5.43	53	93993	95.213	ug/l	99
16) Acetone	4.17	43	86264	82.534	ug/l	97
17) Carbon Disulfide	4.40	76	268178	18.152	ug/l	99
18) Methyl Acetate	4.71	43	51805	22.038	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	173776	18.911	ug/l	96
20) Methylene Chloride	4.96	84	107681	20.415	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	98088	19.580	ug/l	98
22) Diisopropyl ether	6.37	45	268802	19.485	ug/l	96
23) Vinyl Acetate	6.31	43	679861	89.395	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168761	19.723	ug/l	99
25) 2-Butanone	7.22	43	111493	84.311	ug/l	99
26) 2,2-Dichloropropane	7.20	77	147516	19.870	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103196	19.448	ug/l	99
28) Bromochloromethane	7.54	49	55983	17.636	ug/l	96
29) Tetrahydrofuran	7.57	42	72163	93.135	ug/l	99
30) Chloroform	7.71	83	173012	20.070	ug/l	99
31) Cyclohexane	7.98	56	152862	18.183	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	155183	20.120	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138450	20.595	ug/l	99
37) Ethyl Acetate	7.30	43	52612	18.721	ug/l	99
38) Carbon Tetrachloride	8.10	117	140593	20.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154805	19.587	ug/l	99
40) Benzene	8.35	78	390741	20.592	ug/l	99
41) Methacrylonitrile	7.53	41	25381	15.641	ug/l	87
42) 1,2-Dichloroethane	8.43	62	105855	20.292	ug/l	99
43) Isopropyl Acetate	8.46	43	95497	18.686	ug/l	99
44) Trichloroethene	9.11	130	110671	21.041	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97442	20.652	ug/l	98
46) Dibromomethane	9.48	93	49114	20.231	ug/l	97
47) Bromodichloromethane	9.67	83	132271	20.675	ug/l	99
48) Methyl methacrylate	9.46	41	48908	20.704	ug/l	93
49) 1,4-Dioxane	9.46	88	10807	379.554	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	249252	96.025	ug/l	99
52) Toluene	10.41	92	247970	21.112	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	116653	19.671	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	146734	20.491	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71247	20.851	ug/l	96
56) Ethyl methacrylate	10.67	69	77040	19.534	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121762	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	111709	89.841	ug/l	99
59) 2-Hexanone	10.99	43	171488	92.292	ug/l	97
60) Dibromochloromethane	11.14	129	90046	20.589	ug/l	99
61) 1,2-Dibromoethane	11.25	107	66061	20.419	ug/l	99
64) Tetrachloroethene	10.88	164	95488	21.572	ug/l	93
65) Chlorobenzene	11.67	112	265763	21.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	96709	20.691	ug/l	98
67) Ethyl Benzene	11.75	91	451575	20.586	ug/l	98
68) m/p-Xylenes	11.86	106	360266	42.927	ug/l	98
69) o-Xylene	12.18	106	156430	21.039	ug/l	96
70) Styrene	12.20	104	282374	21.390	ug/l	98
71) Bromoform	12.37	173	54405	20.977	ug/l #	100
73) Isopropylbenzene	12.48	105	432348	20.722	ug/l	100
74) N-amyl acetate	12.30	43	85711	18.487	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75175	19.964	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	49787m	18.568	ug/l	
77) Bromobenzene	12.77	156	106189	20.496	ug/l	98
78) n-propylbenzene	12.83	91	525140	20.944	ug/l	97
79) 2-Chlorotoluene	12.91	91	290011	20.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	360815	20.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23126	18.622	ug/l	99
82) 4-Chlorotoluene	13.01	91	311319	20.877	ug/l	99
83) tert-Butylbenzene	13.23	119	293823	20.401	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	356859	20.747	ug/l	98
85) sec-Butylbenzene	13.41	105	431822	20.807	ug/l	100
86) p-Isopropyltoluene	13.53	119	395214	20.824	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205782	20.545	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	204638	20.701	ug/l	98
89) n-Butylbenzene	13.85	91	359053	20.530	ug/l	99
90) Hexachloroethane	14.12	117	79247	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178572	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11051	19.044	ug/l	96

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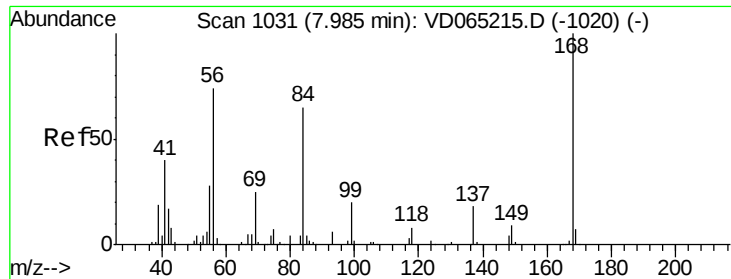
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116024	20.625	ug/l	99
94) Hexachlorobutadiene	15.28	225	75390	20.892	ug/l	99
95) Naphthalene	15.41	128	178842	19.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101813	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion:168 Resp: 475286

Ion Ratio Lower Upper

168 100

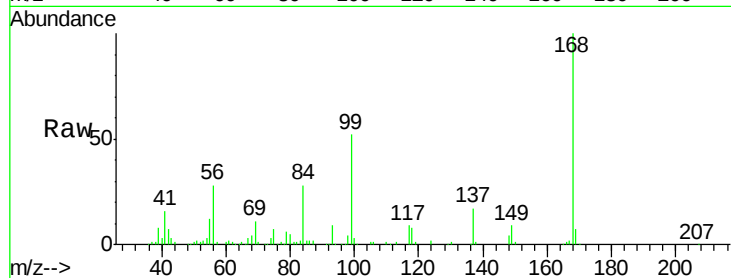
99 51.3 41.4 62.2

Manual Integrations

APPROVED

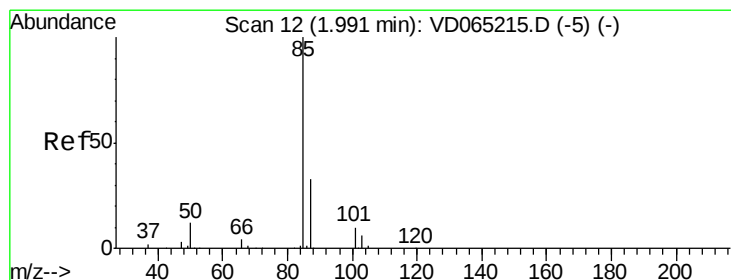
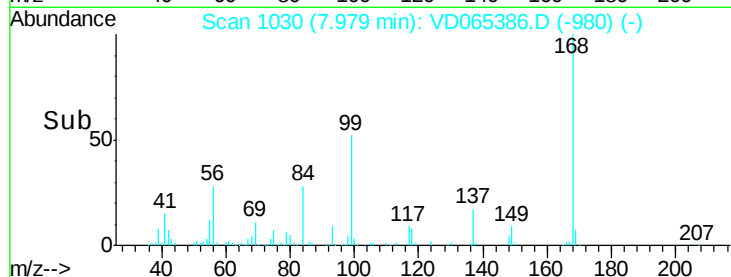
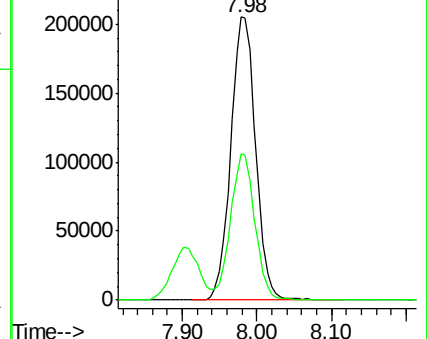
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.330 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065386.D

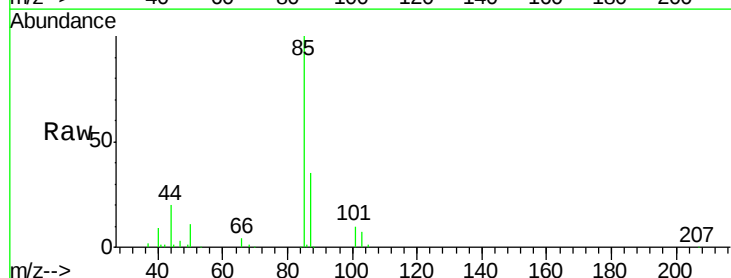
Acq: 03 Mar 2020 11:20

Tgt Ion: 85 Resp: 69084

Ion Ratio Lower Upper

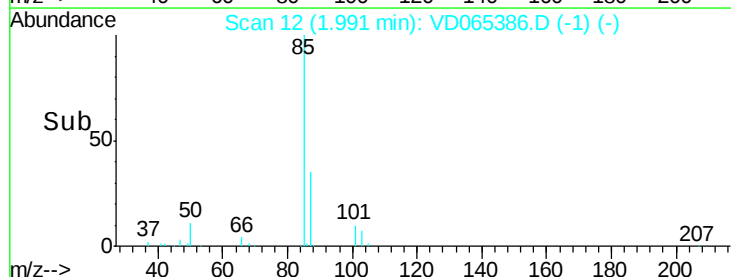
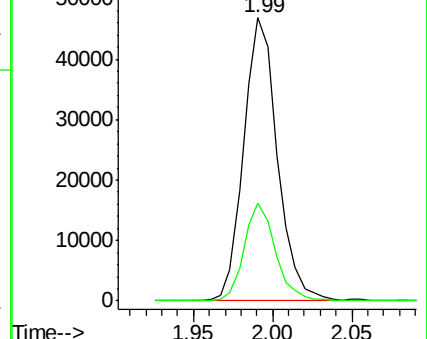
85 100

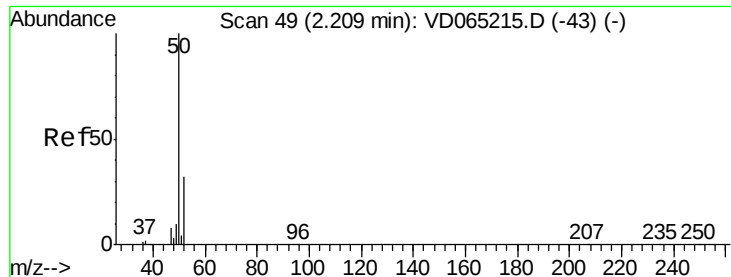
87 34.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.570 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 50 Resp: 89150

Ion Ratio Lower Upper

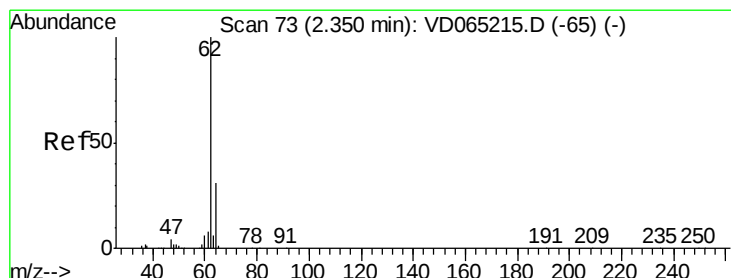
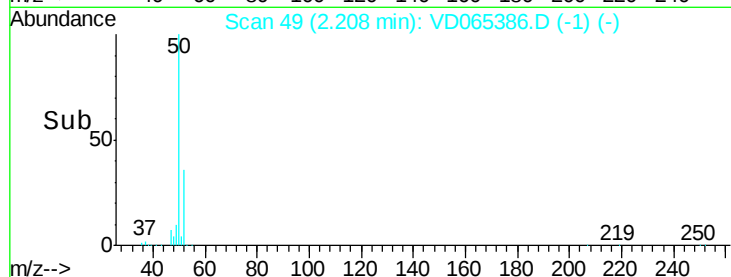
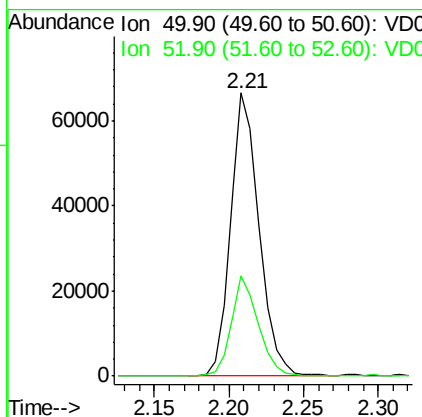
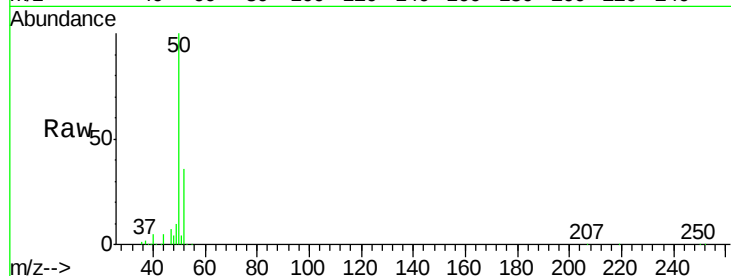
50 100

52 35.6 25.5 38.3

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#4

Vinyl Chloride

Concen: 17.616 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065386.D

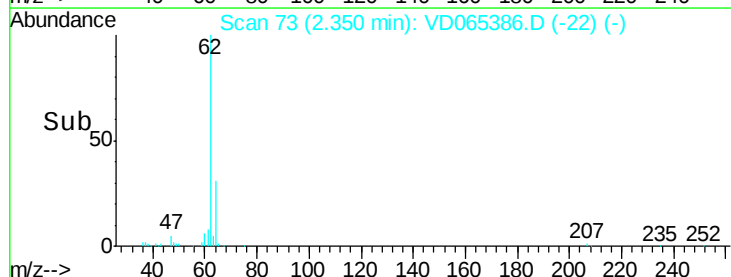
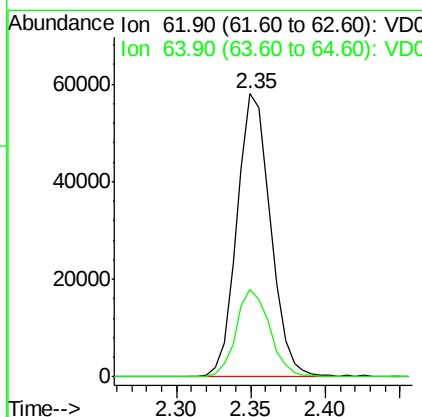
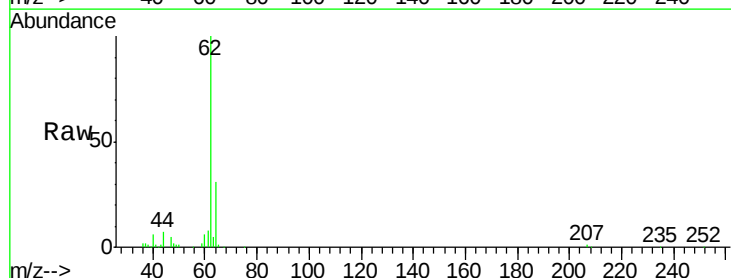
Acq: 03 Mar 2020 11:20

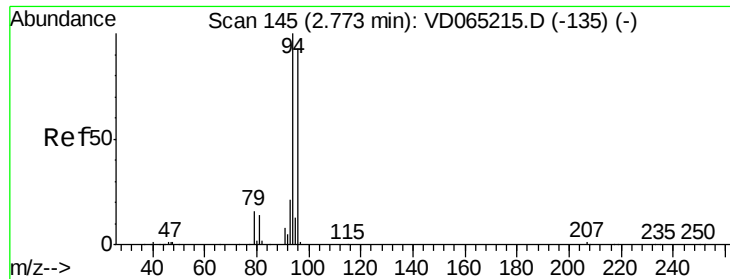
Tgt Ion: 62 Resp: 90891

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6





#5

Bromomethane

Concen: 18.538 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 94 Resp: 57832

Ion Ratio Lower Upper

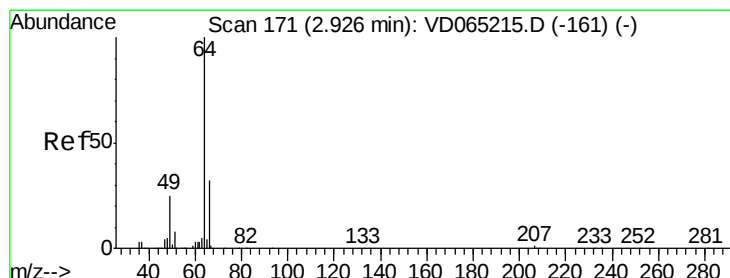
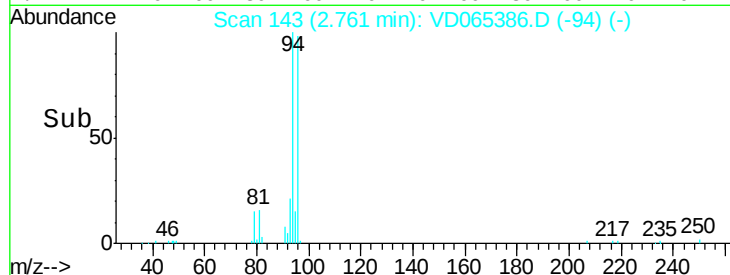
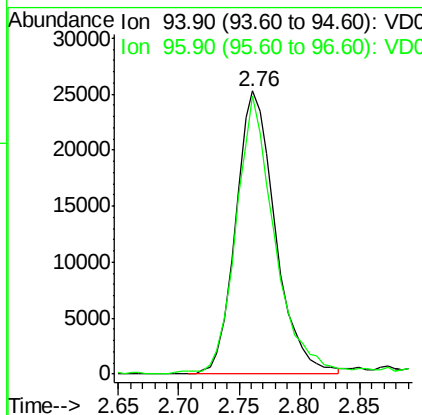
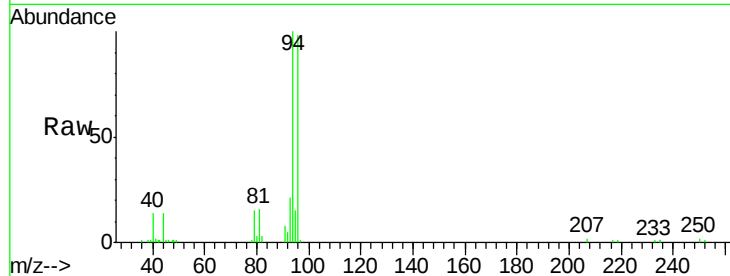
94 100

96 97.3 74.2 111.4

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3/4/2020 2:01:22 PM



#6

Chloroethane

Concen: 17.778 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065386.D

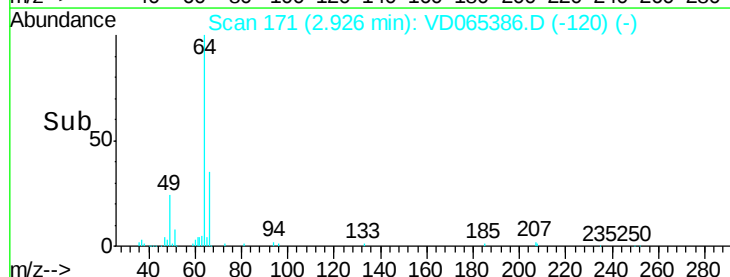
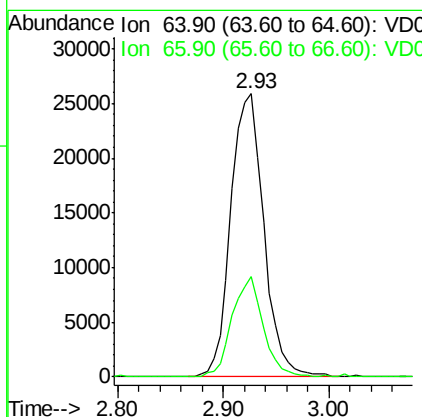
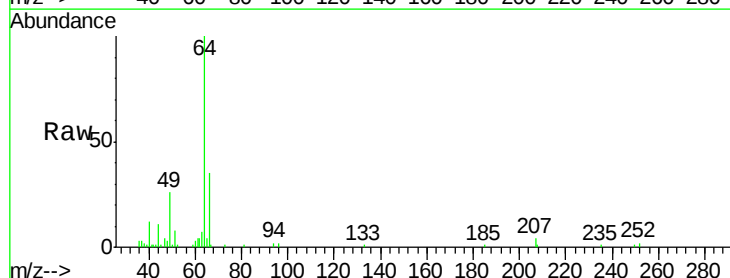
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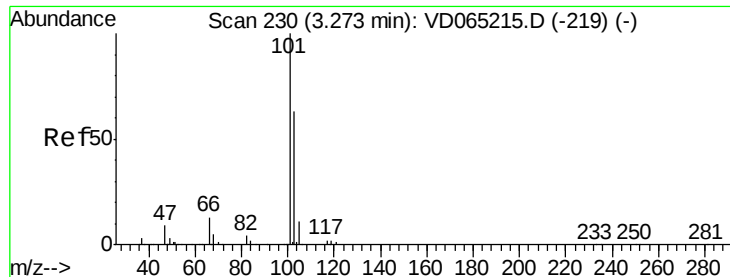
Tgt Ion: 64 Resp: 55990

Ion Ratio Lower Upper

64 100

66 35.4 25.7 38.5





#7

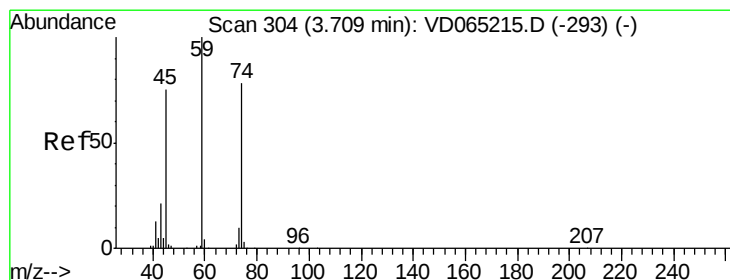
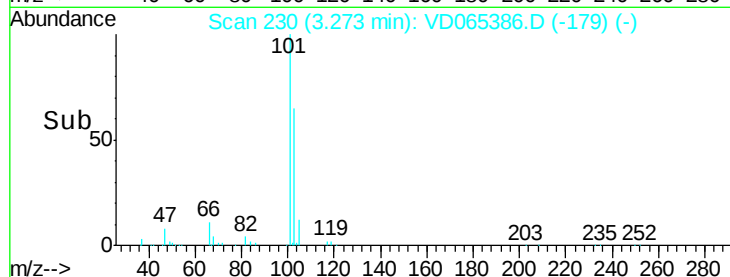
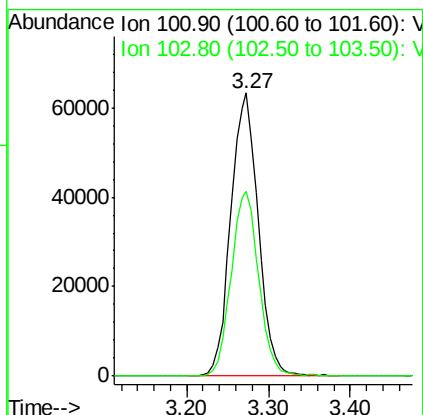
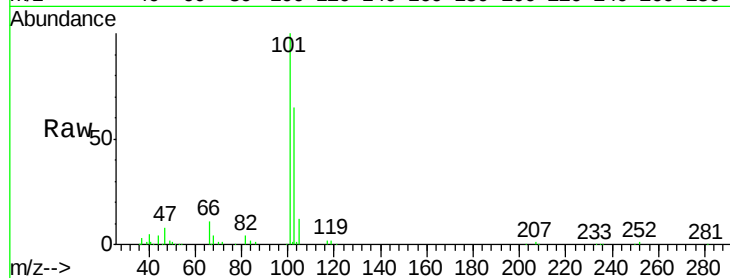
Trichlorofluoromethane
 Concen: 20.034 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065386.D
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 VD0303SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.7	76.1

Manual Integrations
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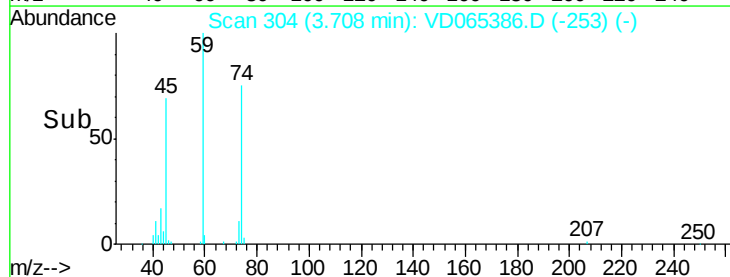
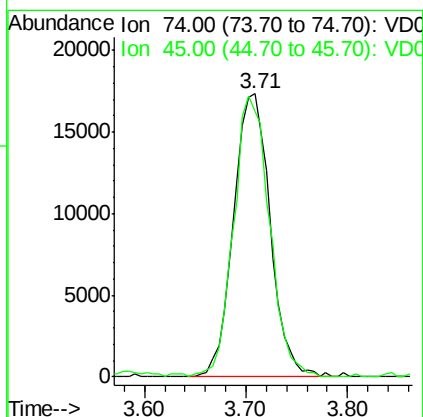
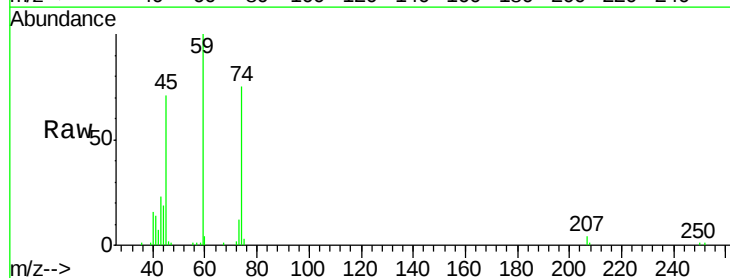
MMDadoda
 3/4/2020 2:01:22 PM

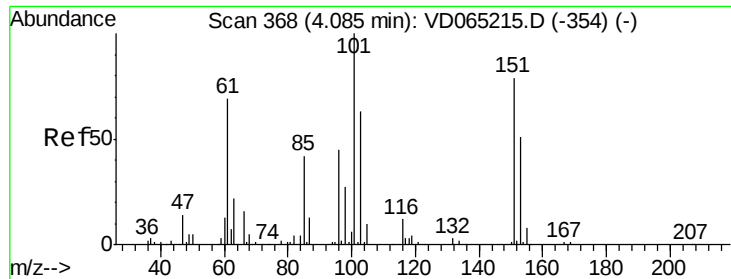


#8

Diethyl Ether
 Concen: 19.504 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.237 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

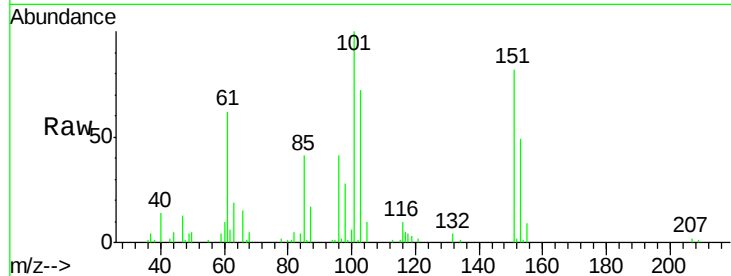
ClientSampleId :

VD0303SBS01

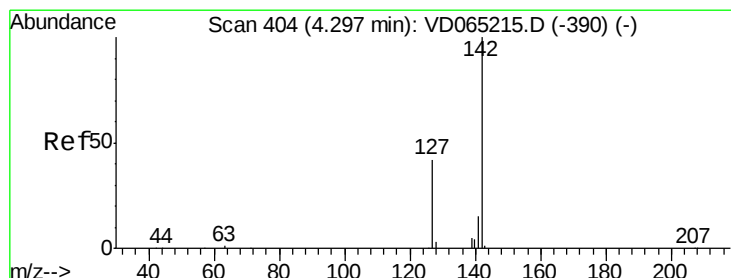
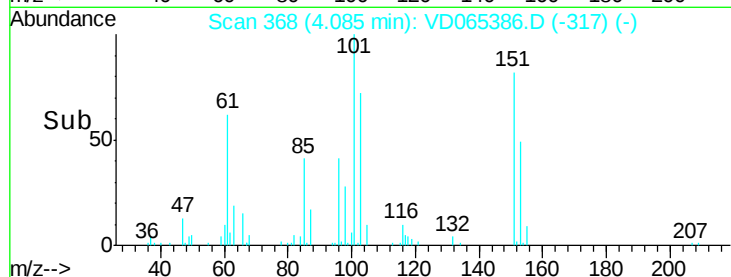
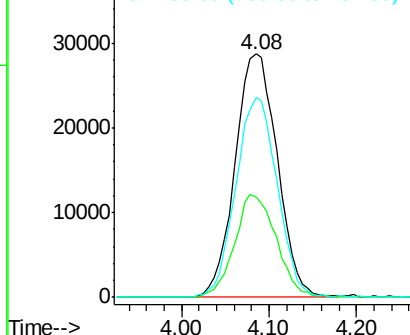
Tot Ion:	101	Resp:	94403
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.2
151	80.7	63.5	95.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.922 ug/l

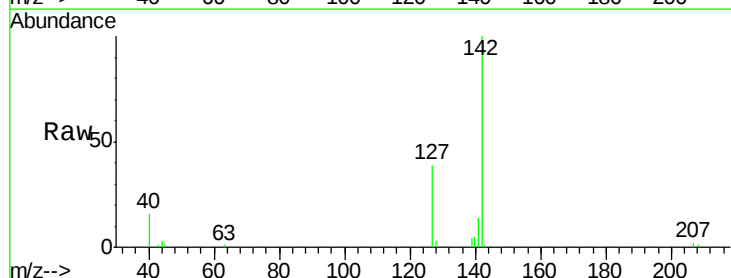
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

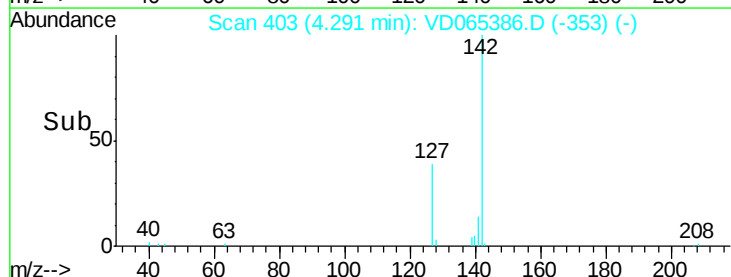
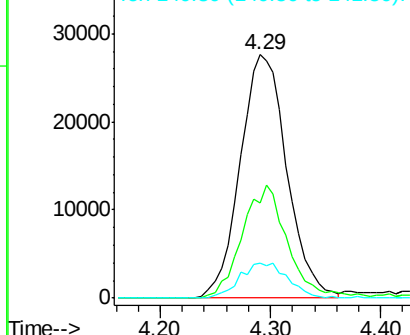
Lab File: VD065386.D

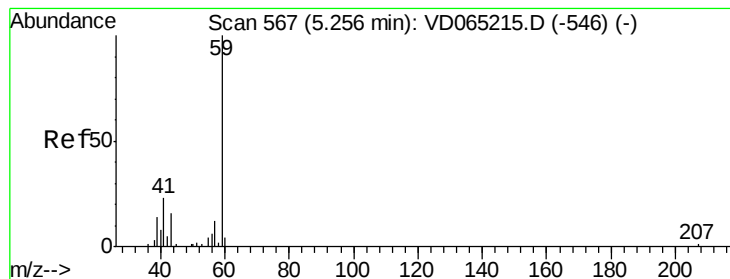
Acq: 03 Mar 2020 11:20

Tgt Ion:	142	Resp:	81962
Ion Ratio	Lower	Upper	
142	100		
127	44.6	33.8	50.8
141	14.8	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

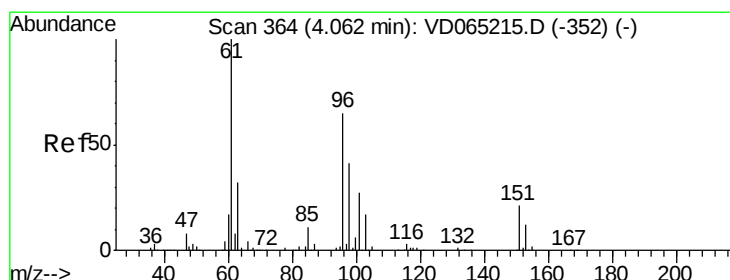
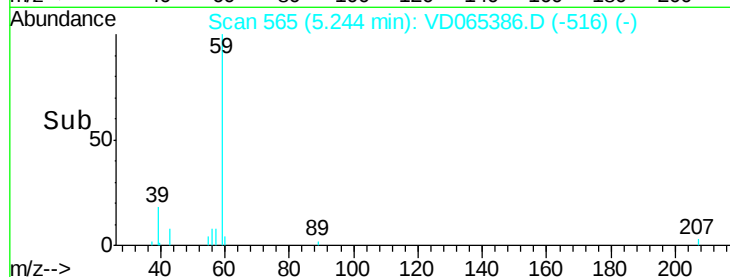
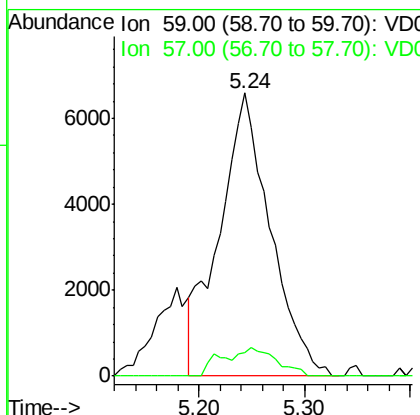
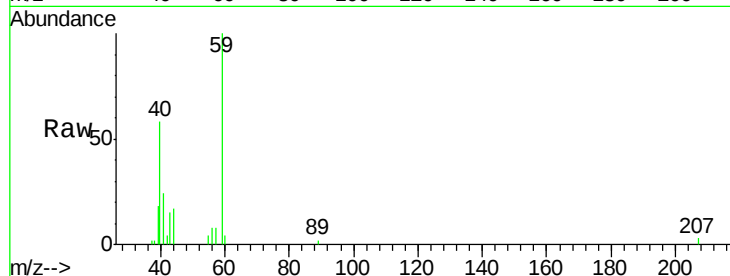
Tert butyl alcohol
Concen: 86.540 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.4	12.6#

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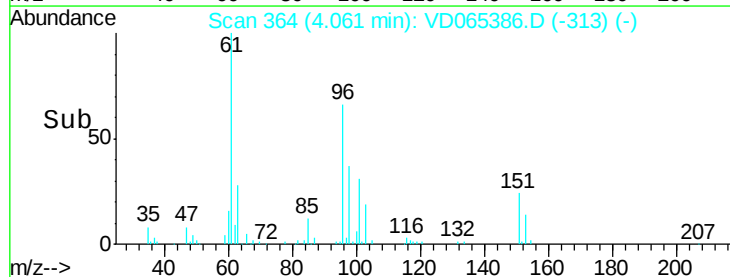
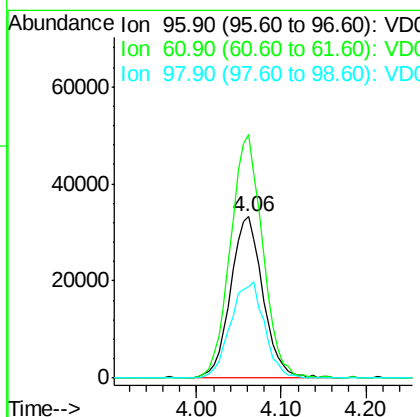
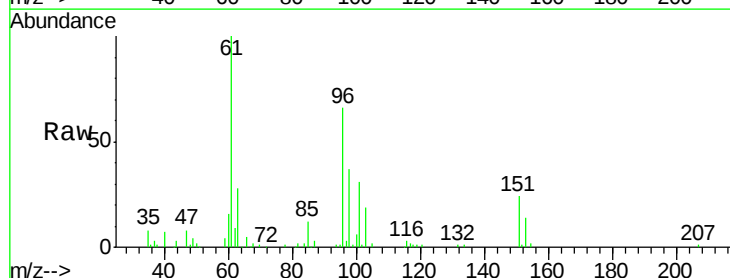
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#12

1,1-Dichloroethene
Concen: 19.937 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	123.3	184.9
98	56.6	51.0	76.4





#13

Acrolein

Concen: 73.949 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 56 Resp: 29591

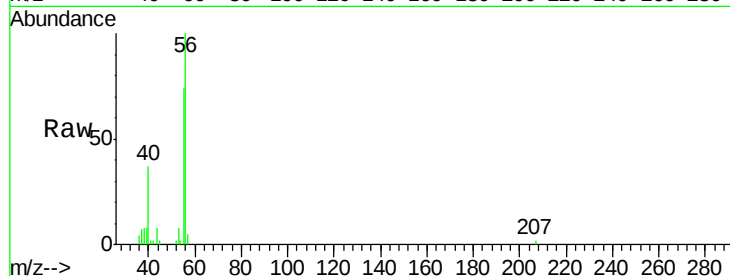
Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0

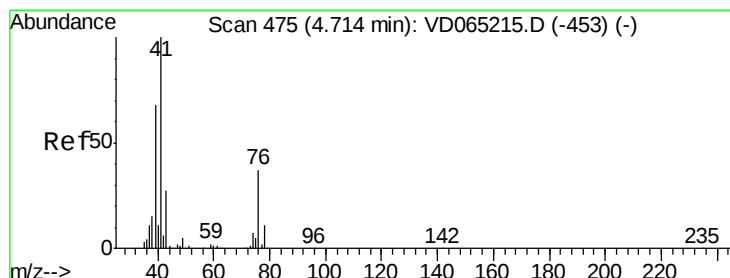
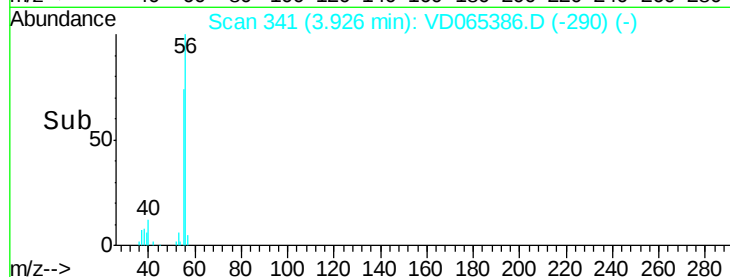
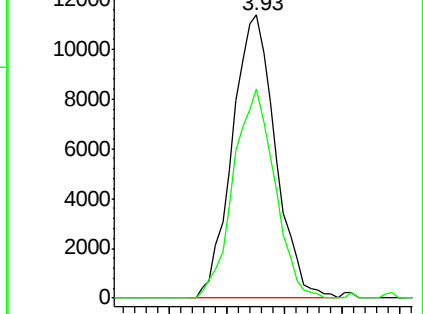
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.706 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

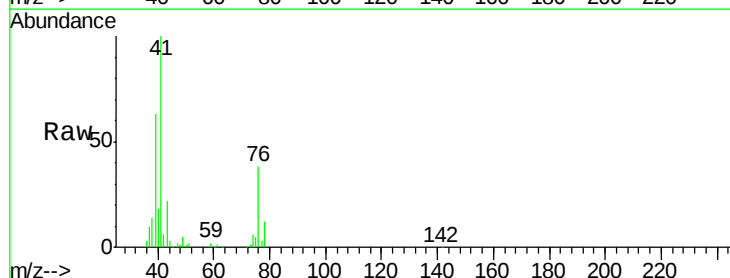
Tgt Ion: 41 Resp: 133861

Ion Ratio Lower Upper

41 100

39 63.9 53.8 80.6

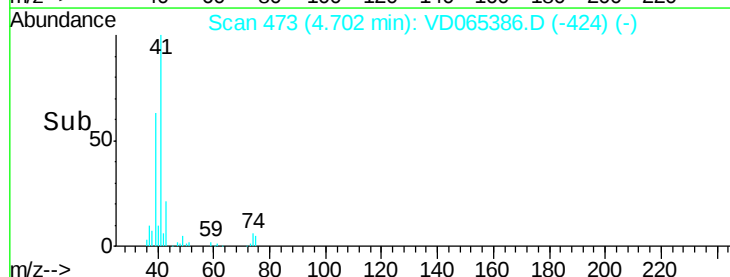
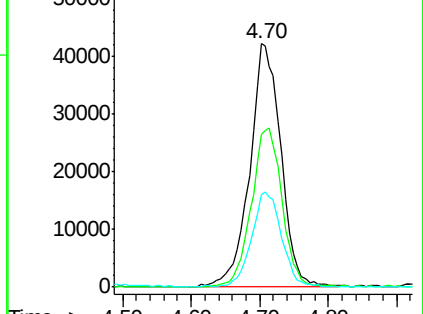
76 37.3 28.7 43.1

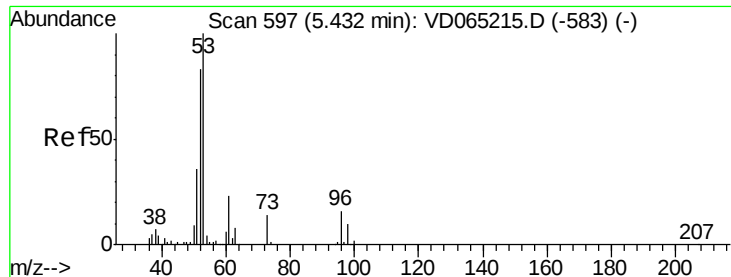


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.213 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

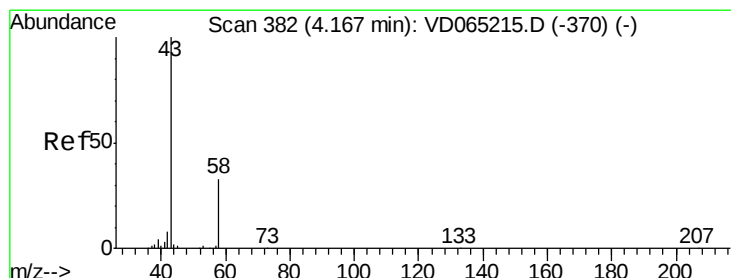
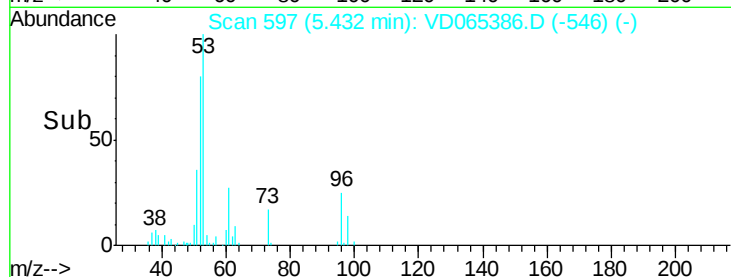
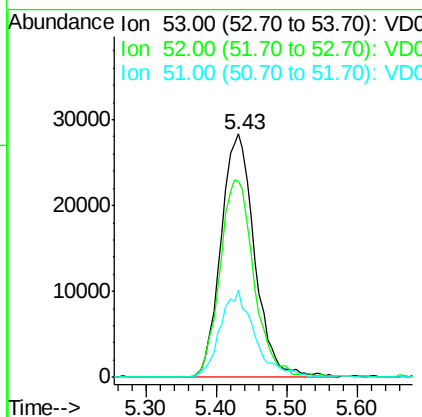
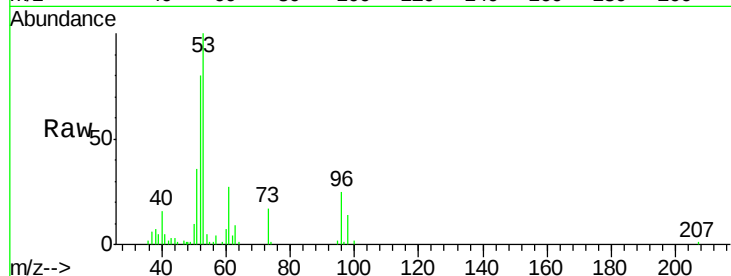
ClientSampleId :

VD0303SBS01

Tot Ion:	53	Resp:	93993
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.4	98.2
51	36.5	29.5	44.3

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#16

Acetone

Concen: 82.534 ug/l

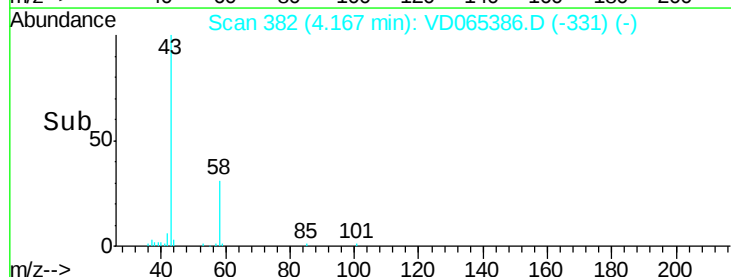
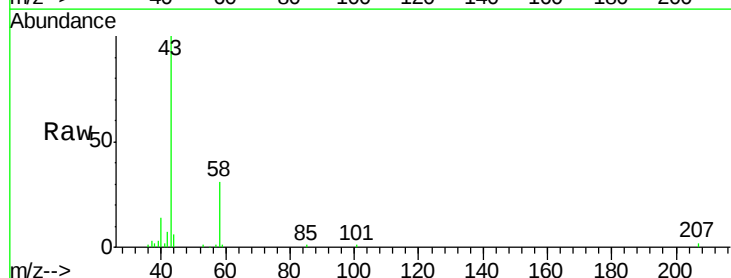
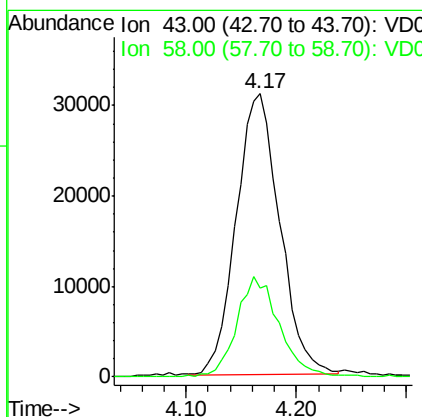
RT: 4.17 min Scan# 382

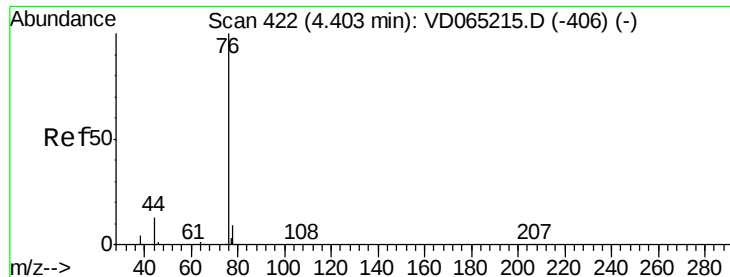
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	43	Resp:	86264
Ion Ratio	Lower	Upper	
43	100		
58	30.9	26.2	39.2





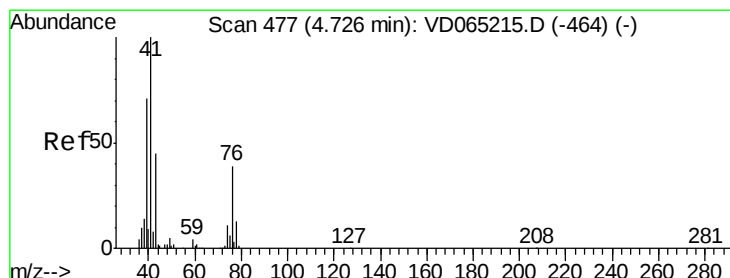
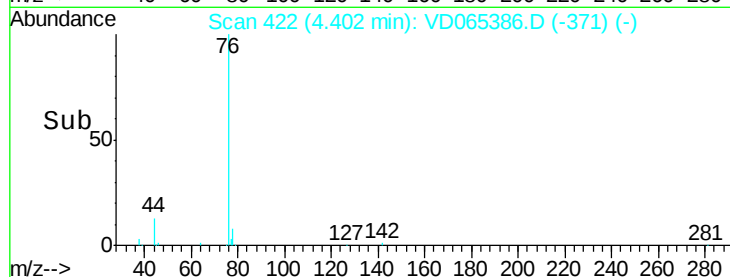
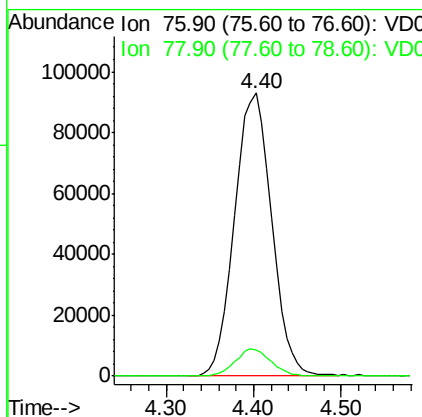
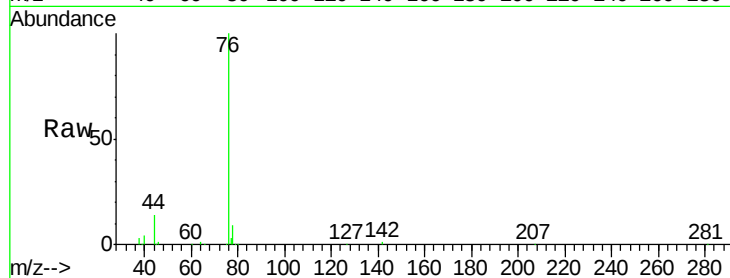
#17
Carbon Disulfide
Concen: 18.152 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

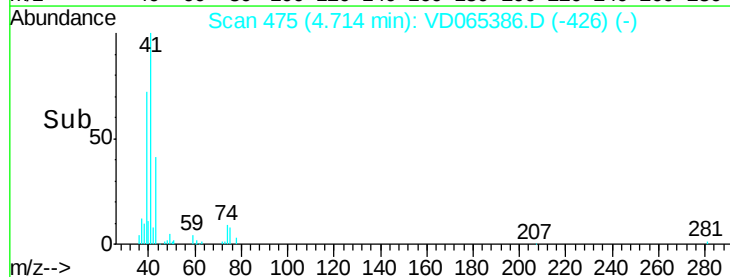
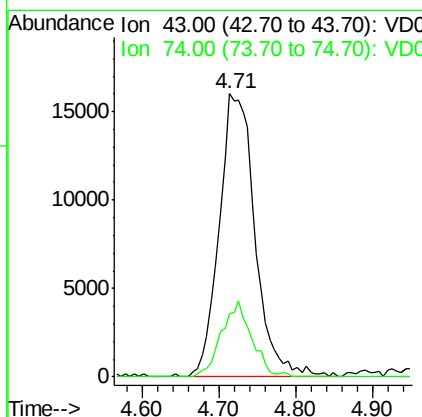
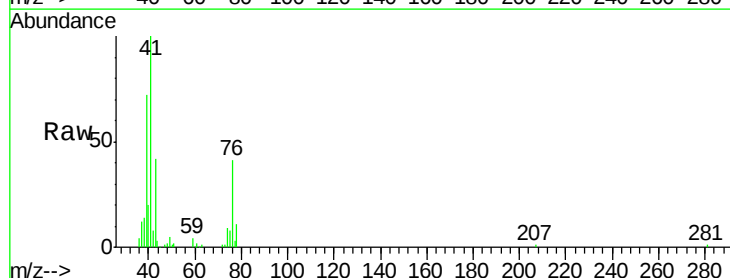
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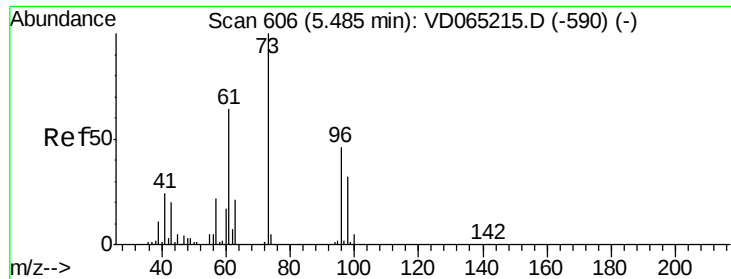
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#18
Methyl Acetate
Concen: 22.038 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.4	29.2





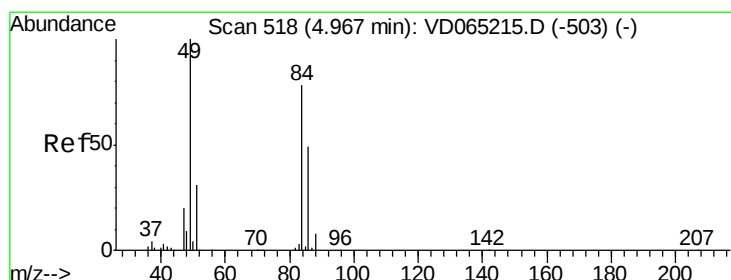
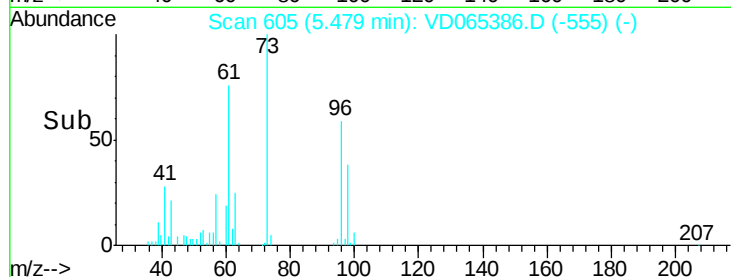
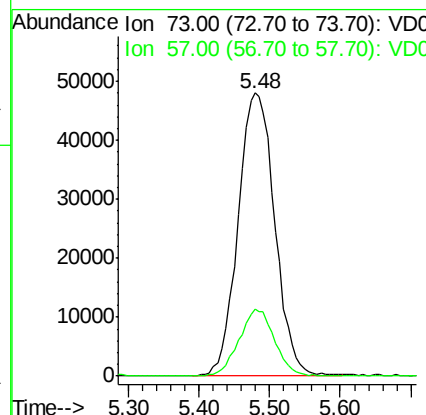
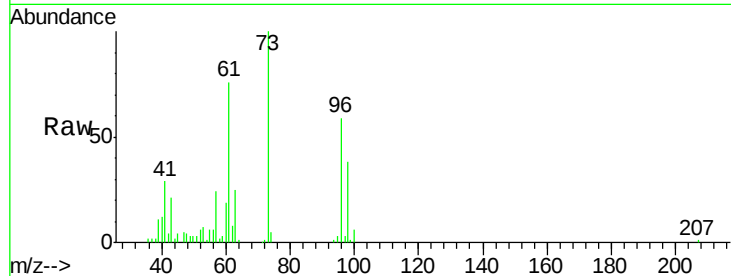
#19
Methyl tert-butyl Ether
Concen: 18.911 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion: 73 Resp: 173776
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9

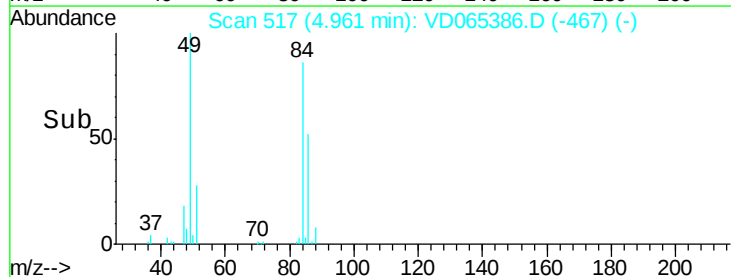
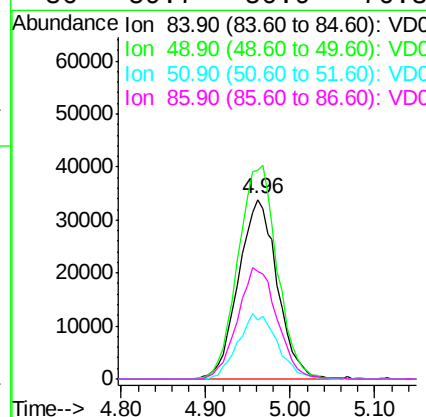
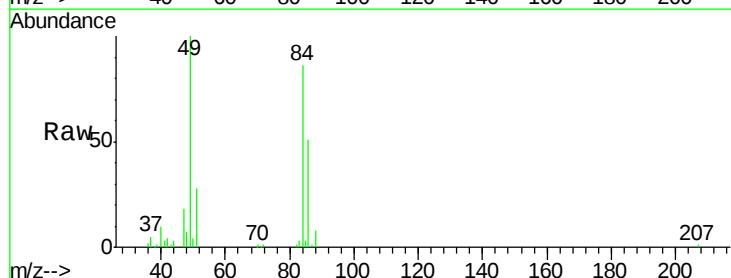
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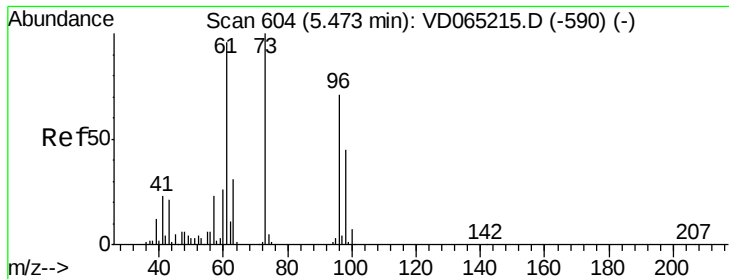
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#20
Methylene Chloride
Concen: 20.415 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 84 Resp: 107681
Ion Ratio Lower Upper
84 100
49 116.3 103.1 154.7
51 32.9 31.7 47.5
86 59.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.580 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

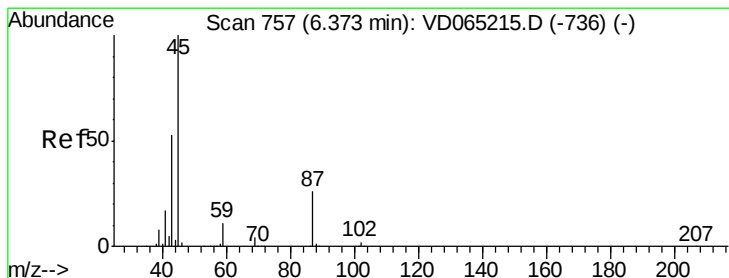
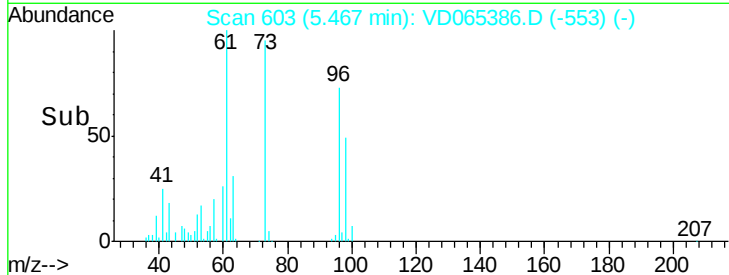
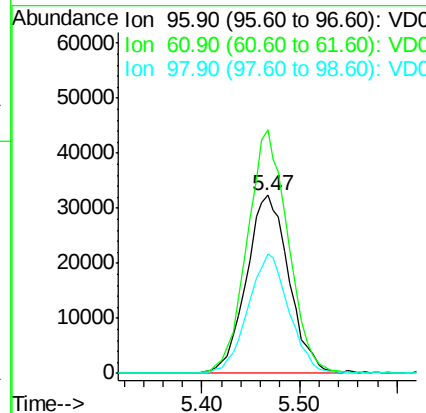
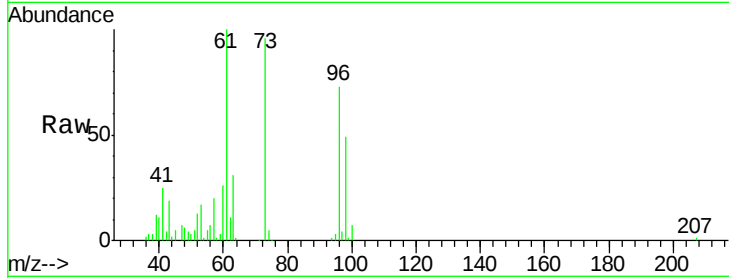
ClientSampleId :

VD0303SBS01

Tot Ion:	96	Resp:	98088
Ion	Ratio	Lower	Upper
96	100		
61	137.0	108.3	162.5
98	66.9	50.7	76.1

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#22

Diisopropyl ether

Concen: 19.485 ug/l

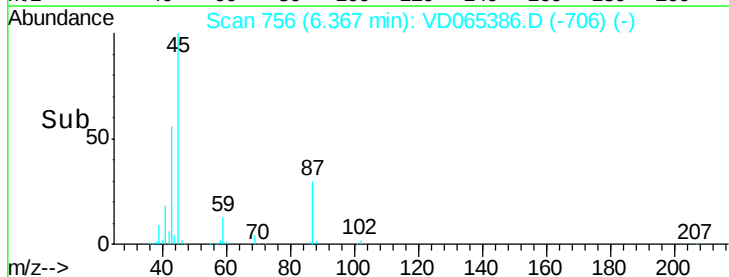
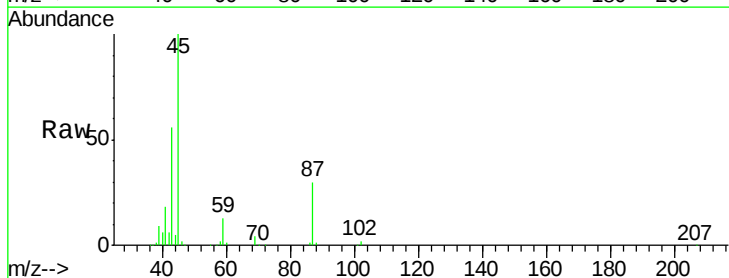
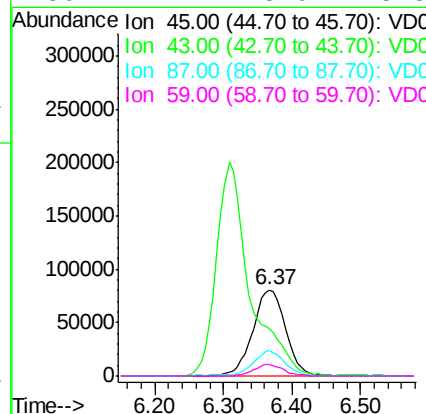
RT: 6.37 min Scan# 756

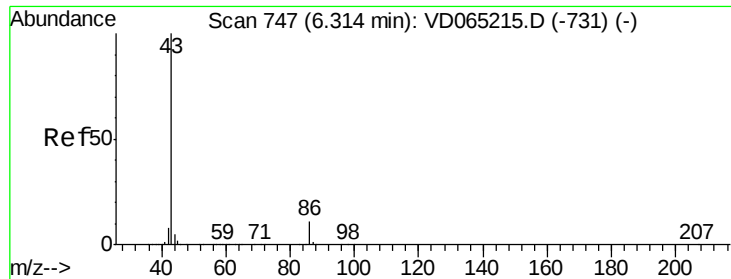
Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	45	Resp:	268802
Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.6	64.0
87	30.0	21.2	31.8
59	12.7	8.9	13.3





#23

Vinyl Acetate

Concen: 89.395 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 43 Resp: 679861

Ion Ratio Lower Upper

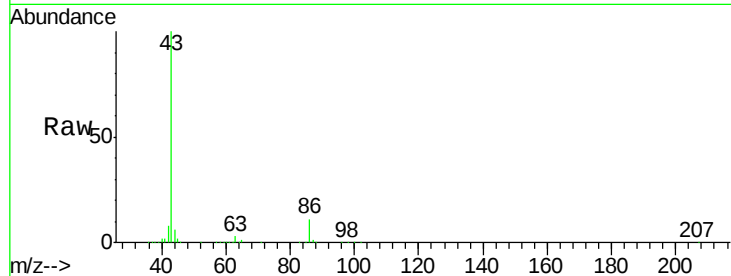
43 100

86 11.2 8.6 12.8

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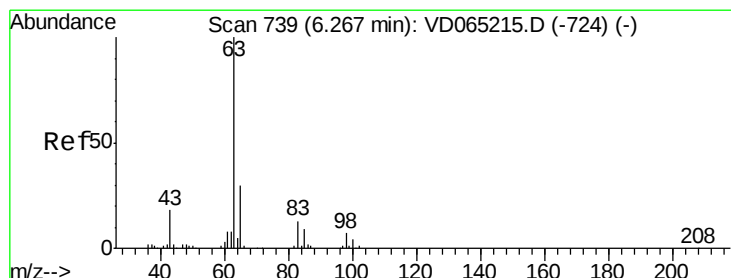
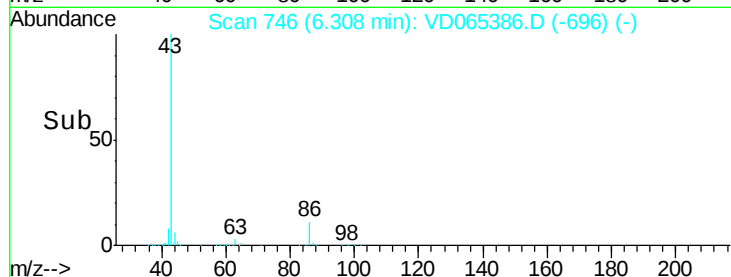
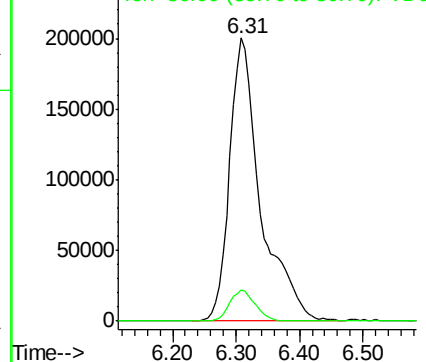
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.723 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

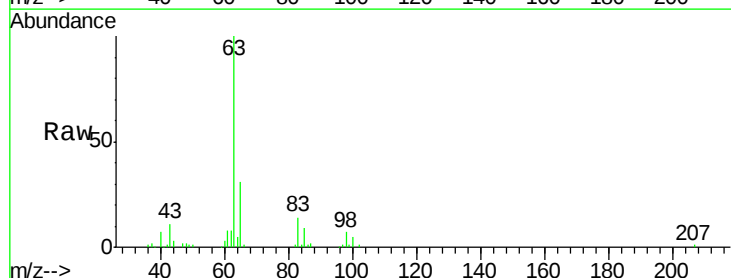
Tgt Ion: 63 Resp: 168761

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

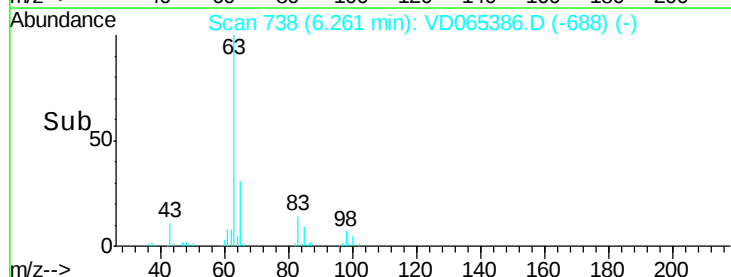
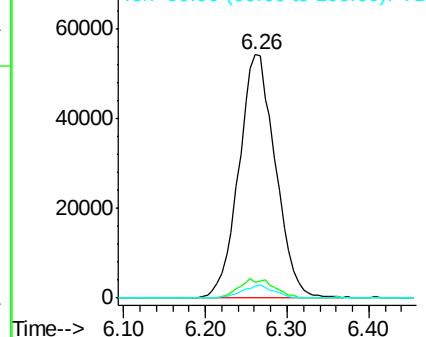
100 4.9 2.3 6.8



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





#25

2-Butanone

Concen: 84.311 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 43 Resp: 111493

Ion Ratio Lower Upper

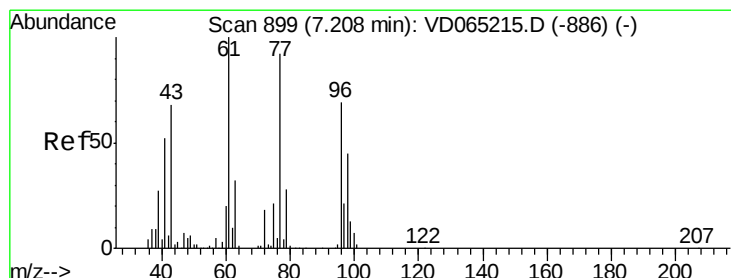
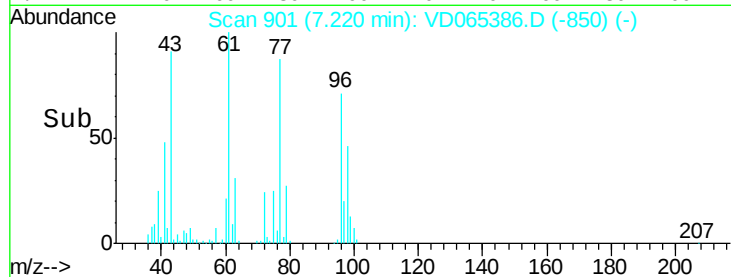
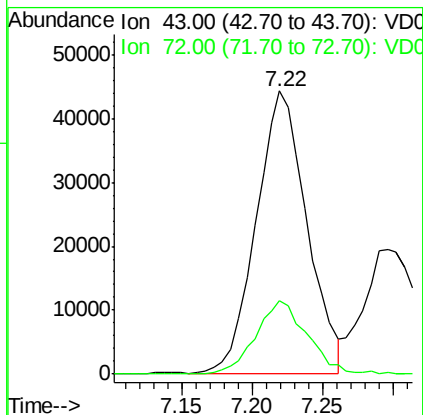
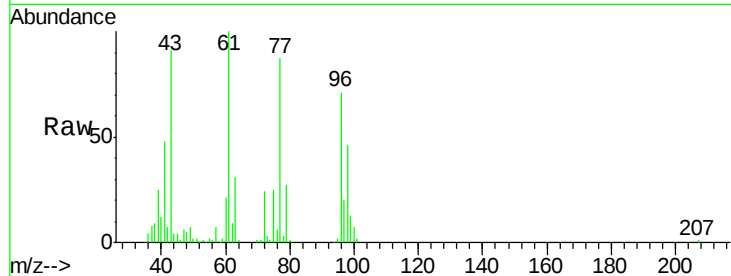
43 100

72 25.8 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.870 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065386.D

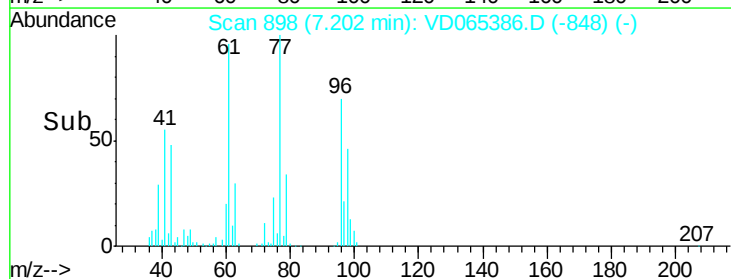
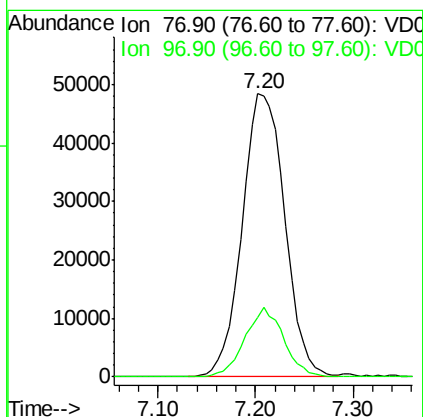
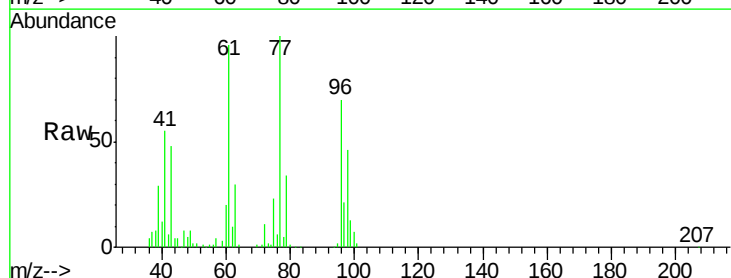
Acq: 03 Mar 2020 11:20

Tgt Ion: 77 Resp: 147516

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.1





#27

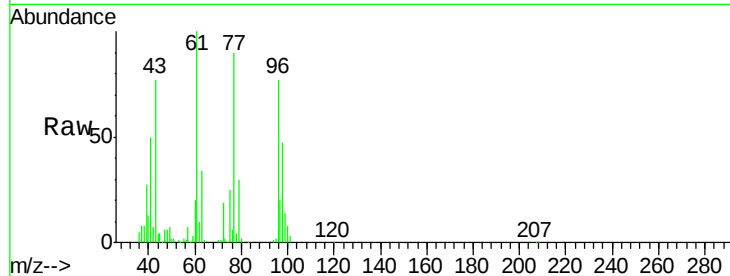
cis-1,2-Dichloroethene
 Concen: 19.448 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

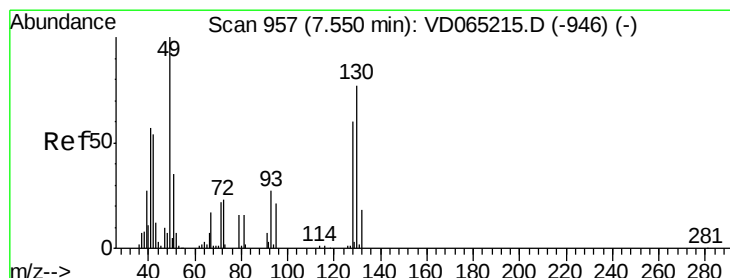
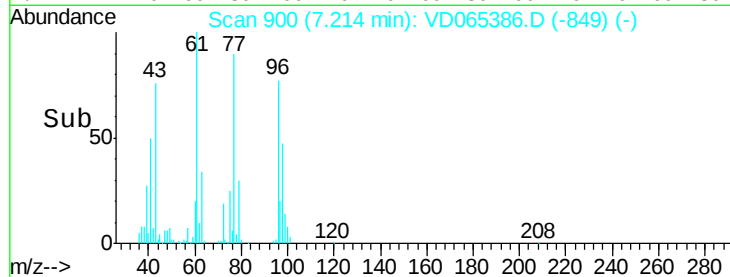
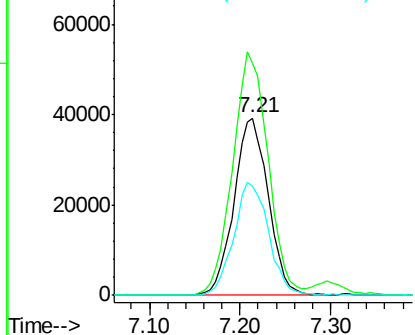
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	286.0	
98	64.4	0.0	127.8	

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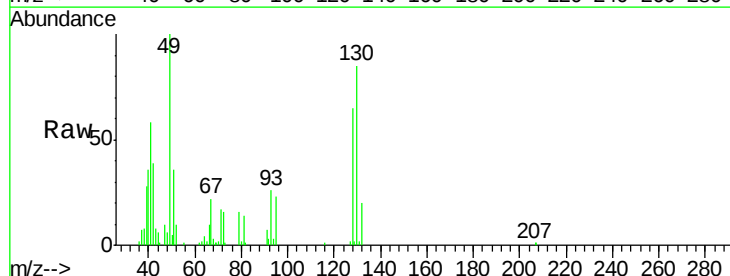
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



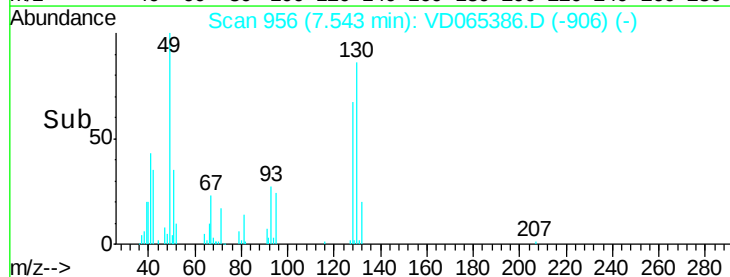
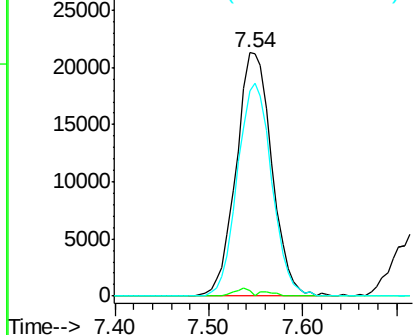
#28

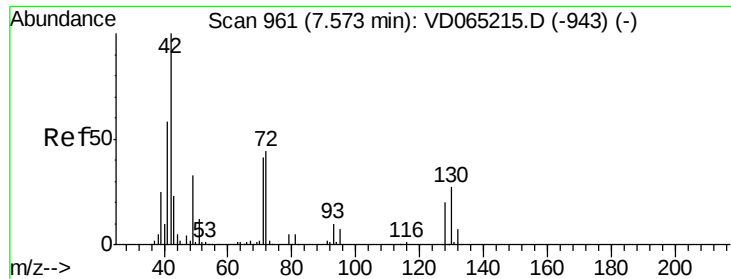
Bromochloromethane
 Concen: 17.636 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.6	
130	84.3	64.7	97.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





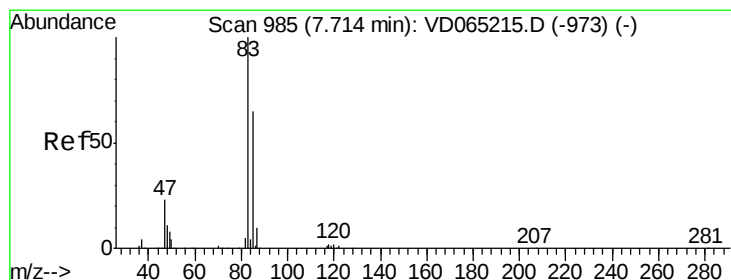
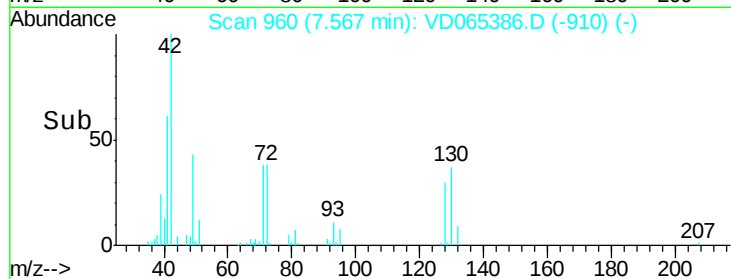
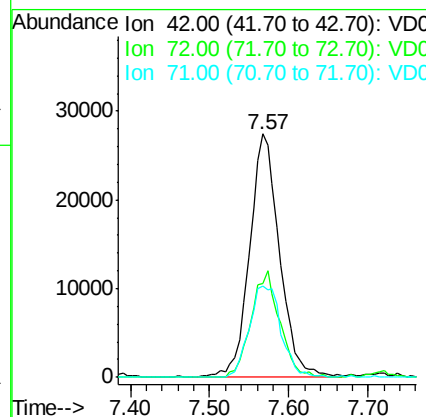
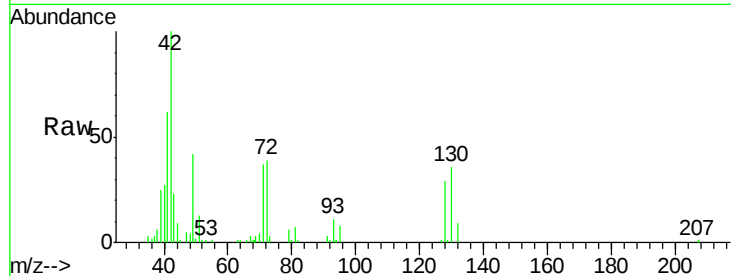
#29
Tetrahydrofuran
Concen: 93.135 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	39.9	31.4	47.2

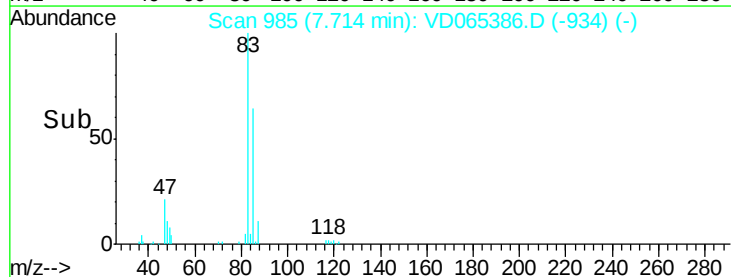
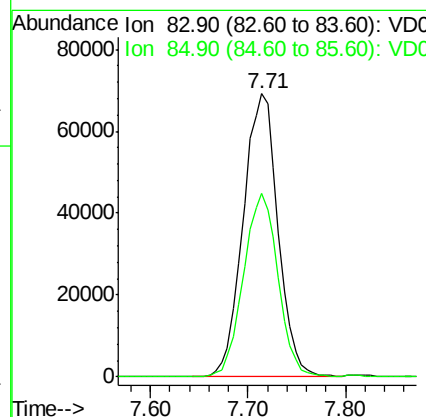
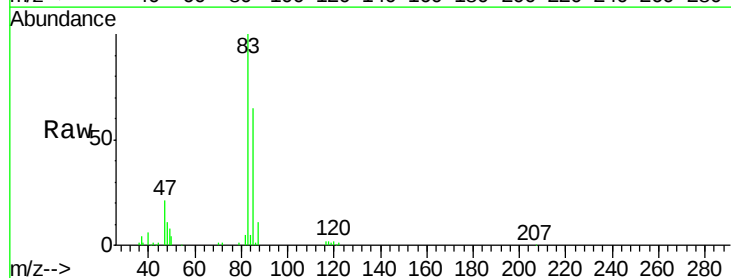
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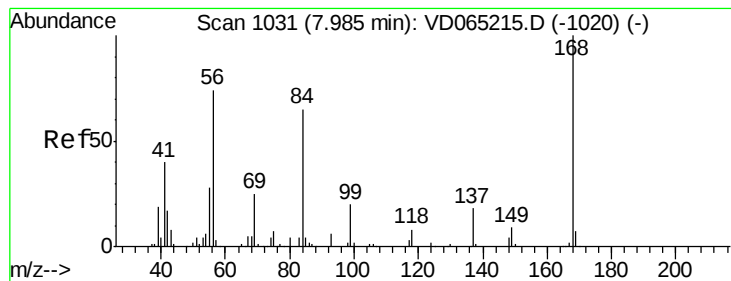
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#30
Chloroform
Concen: 20.070 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





#31

Cyclohexane

Concen: 18.183 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 56 Resp: 152862

Ion Ratio Lower Upper

56 100

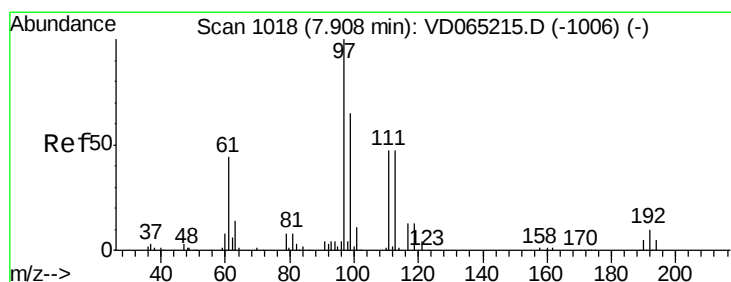
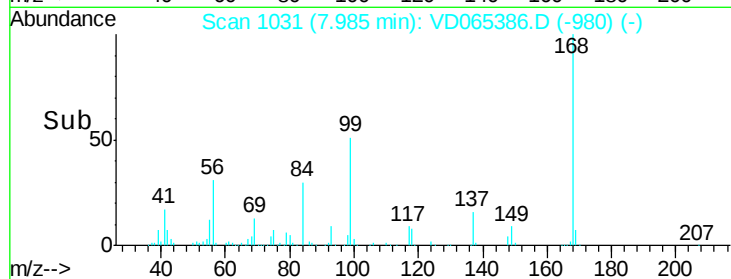
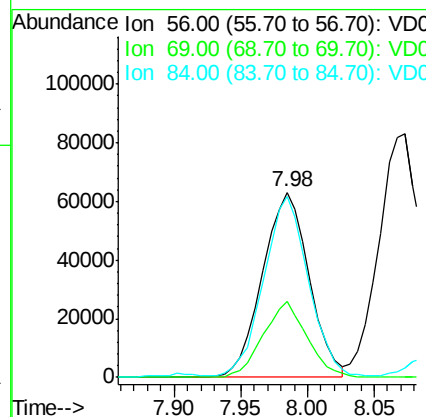
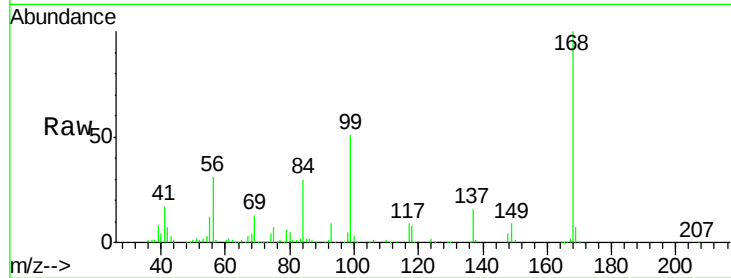
69 41.0 27.4 41.0#

84 96.3 71.1 106.7

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#32

1,1,1-Trichloroethane

Concen: 20.120 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

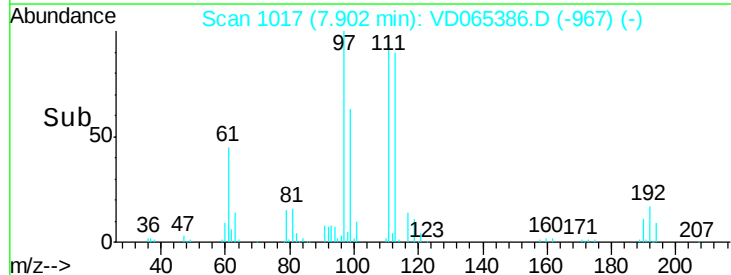
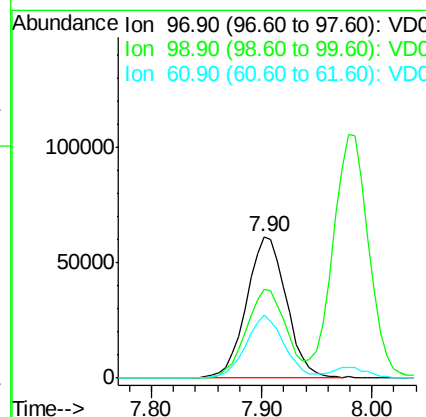
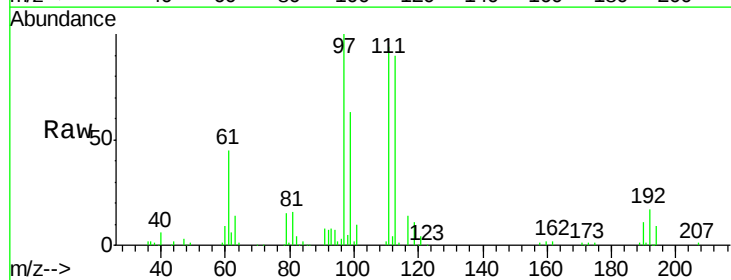
Tgt Ion: 97 Resp: 155183

Ion Ratio Lower Upper

97 100

99 62.7 51.4 77.2

61 43.3 34.8 52.2





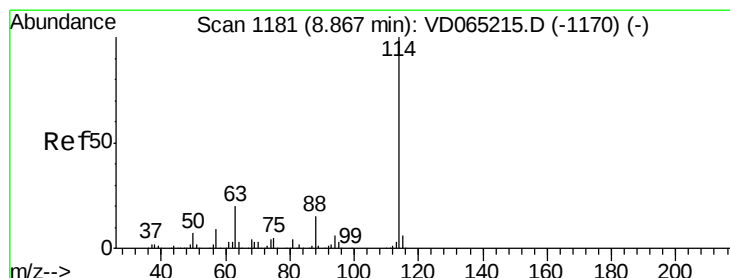
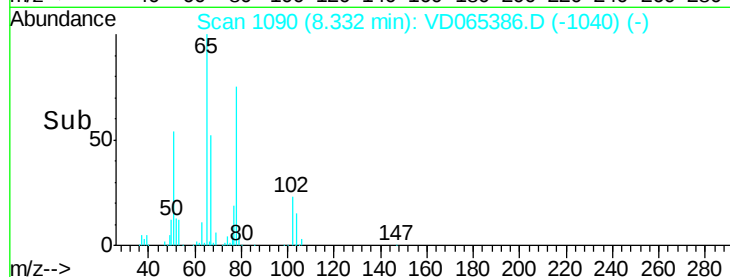
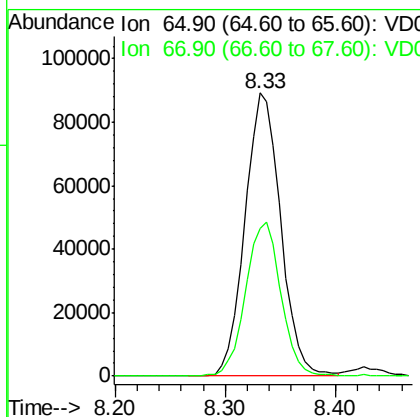
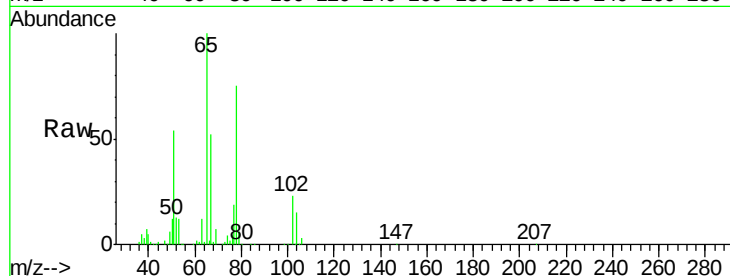
#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203150		
67	53.8	0.0	106.8	

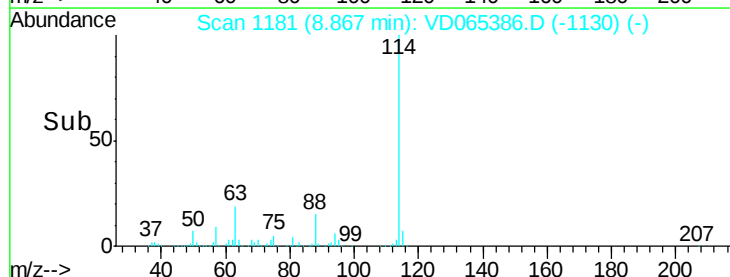
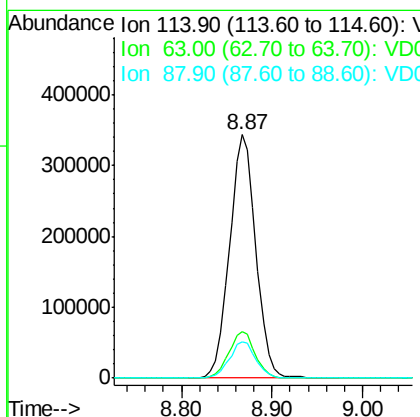
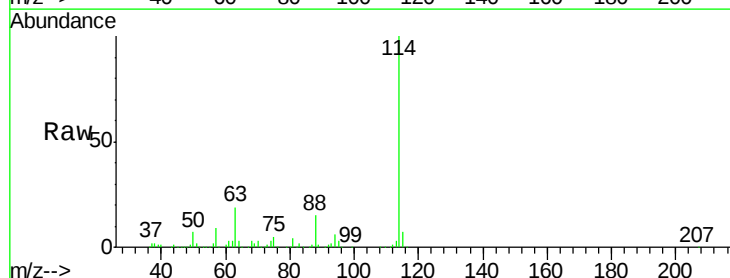
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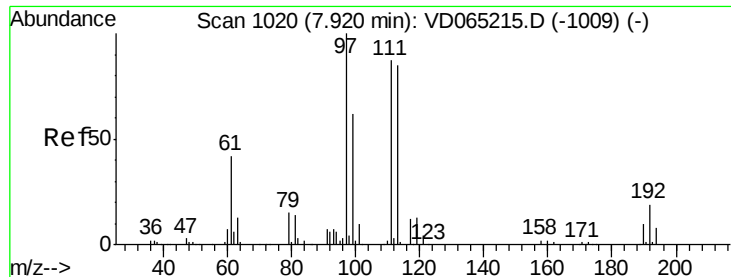
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	690908		
63	19.1	0.0	39.4	
88	15.0	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.482 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

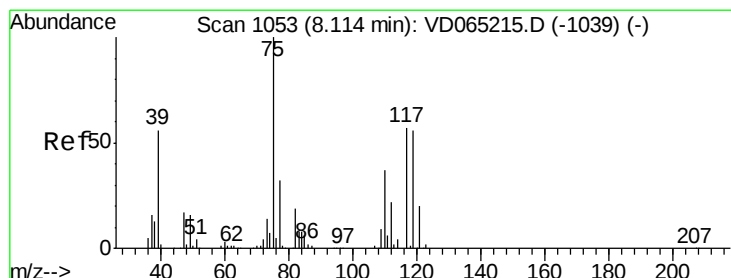
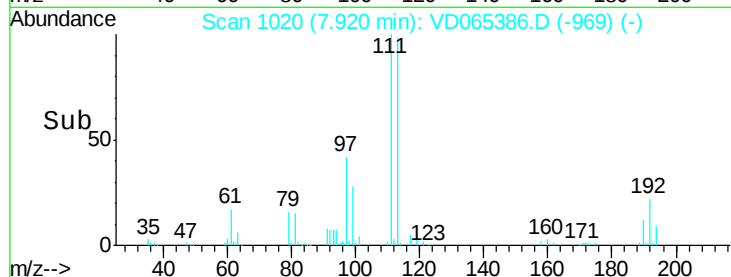
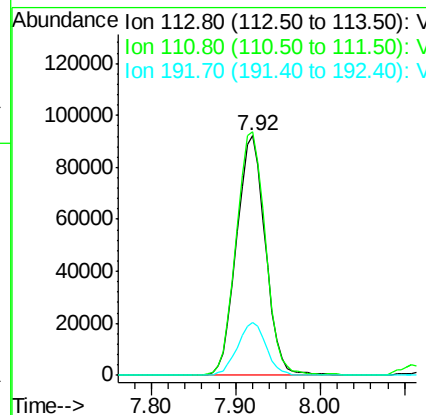
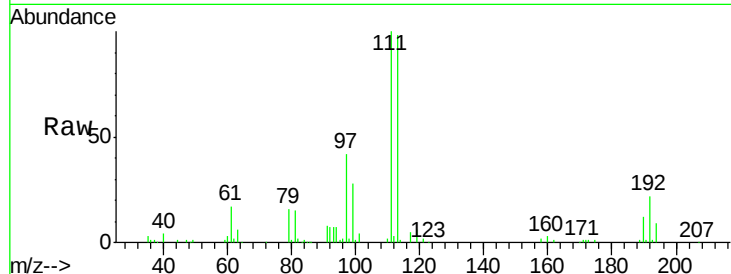
ClientSampleId :

VD0303SBS01

Tot Ion:	113	Resp:	216879
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	21.9	17.3	25.9

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#36

1,1-Dichloropropene

Concen: 20.595 ug/l

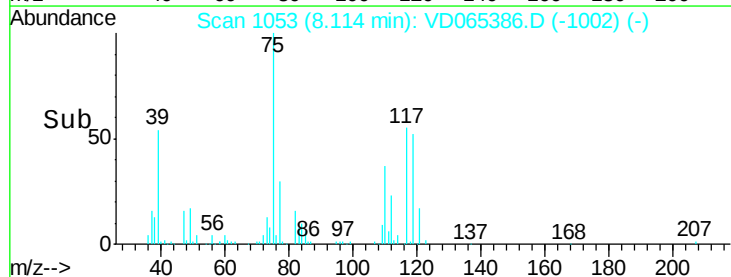
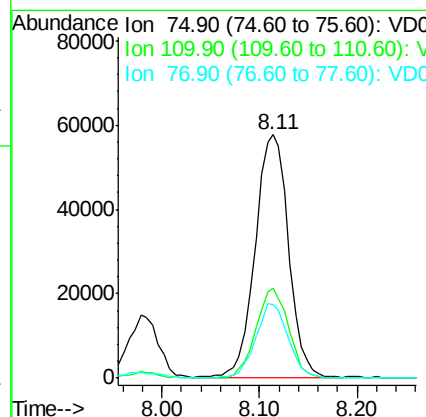
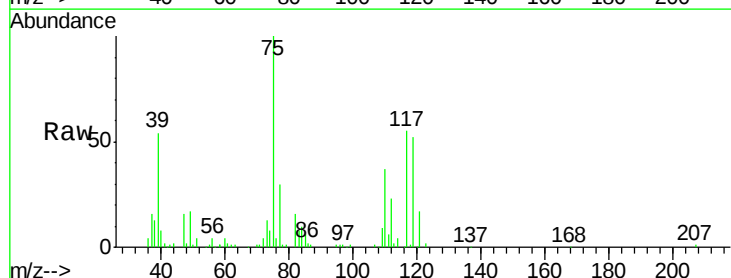
RT: 8.11 min Scan# 1053

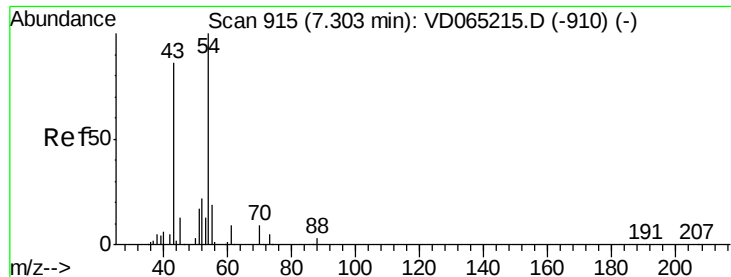
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	75	Resp:	138450
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	30.3	25.1	37.7





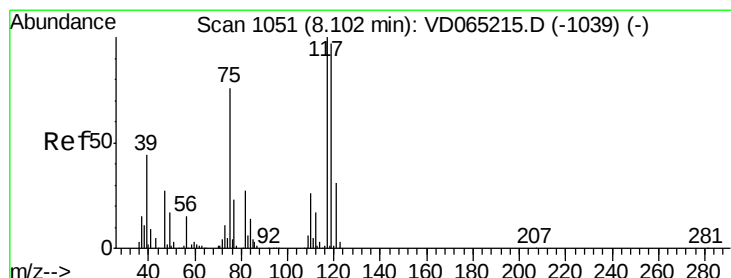
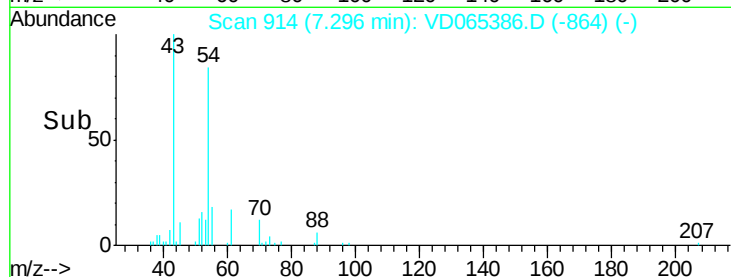
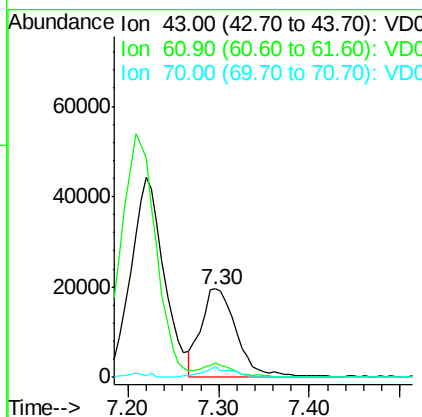
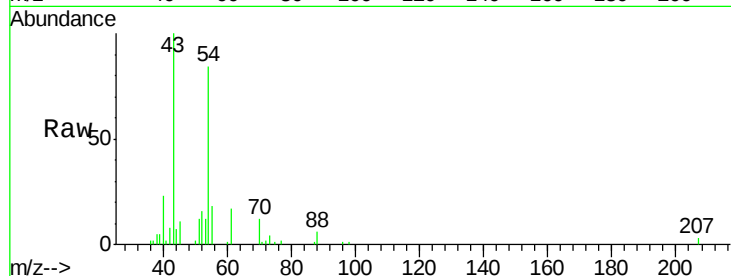
#37
Ethyl Acetate
Concen: 18.721 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	9.8	8.2	12.2

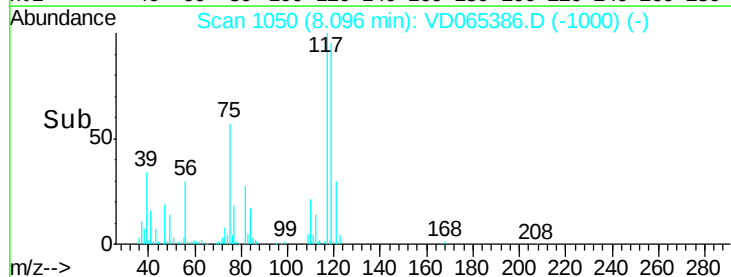
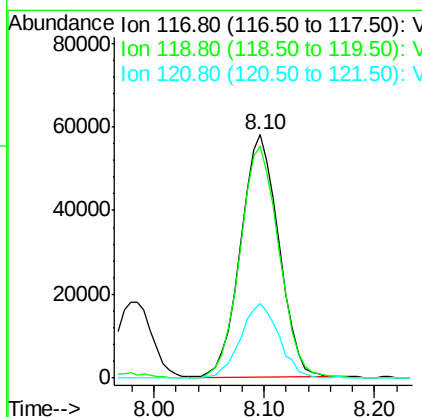
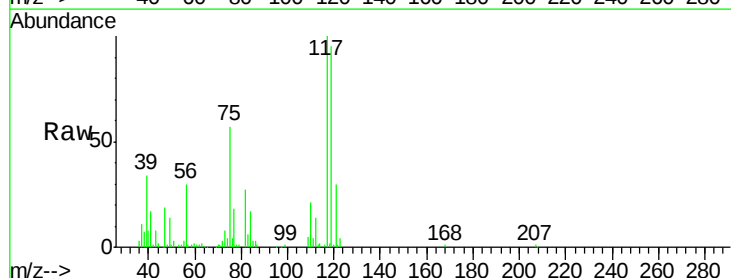
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#38
Carbon Tetrachloride
Concen: 20.544 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.6	116.4
121	30.6	24.8	37.2





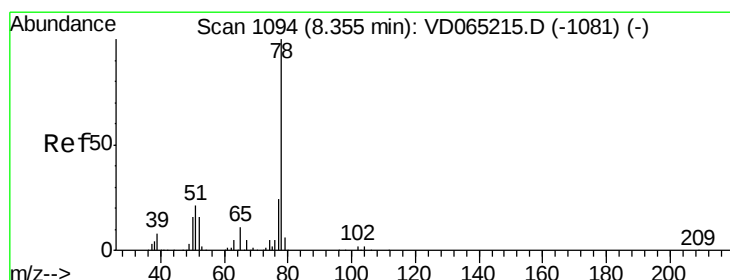
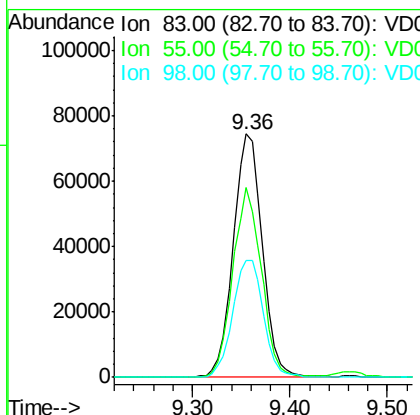
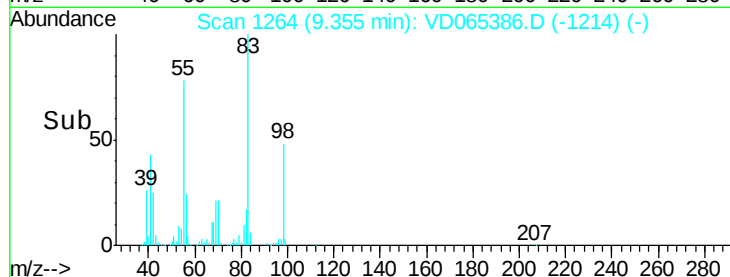
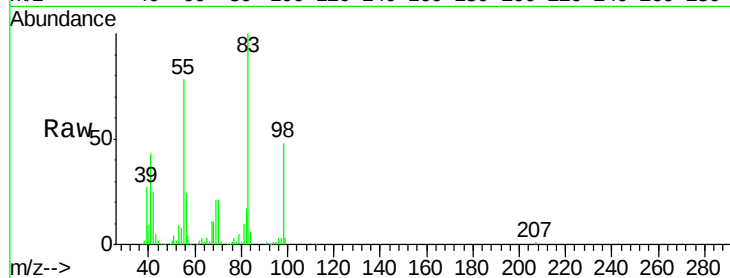
#39
Methvlcvclohexane
Concen: 19.587 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.8	92.6
98	47.9	39.4	59.0

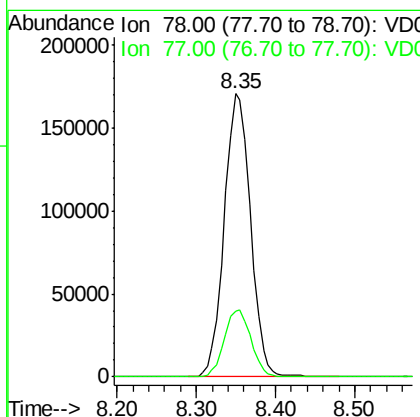
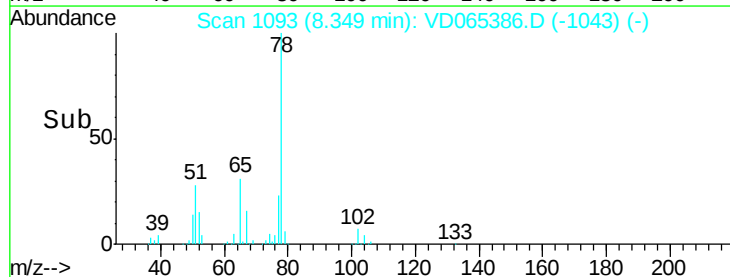
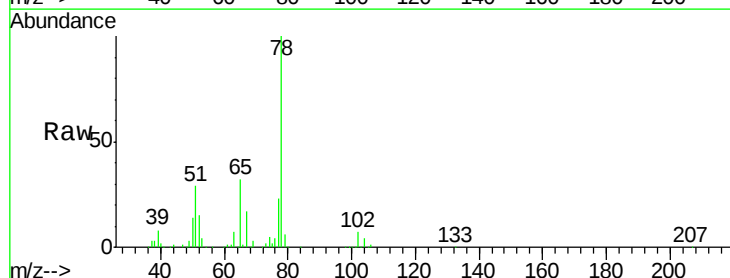
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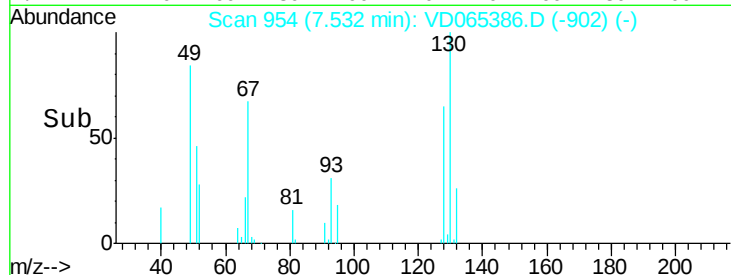
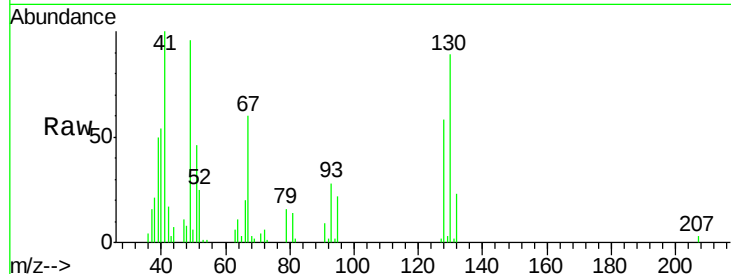
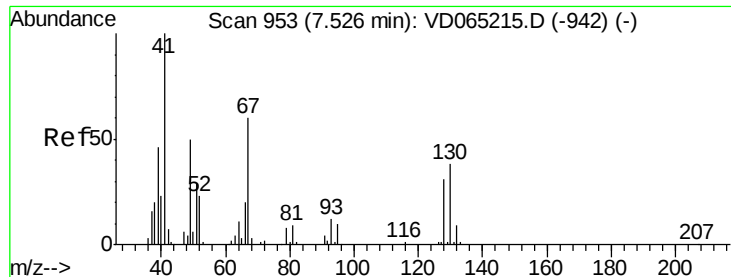
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#40
Benzene
Concen: 20.592 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

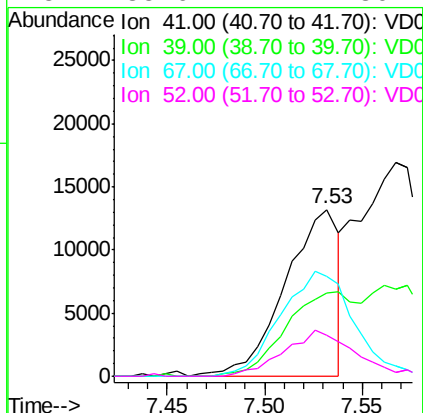
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





#41
Methacrylonitrile
Concen: 15.641 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

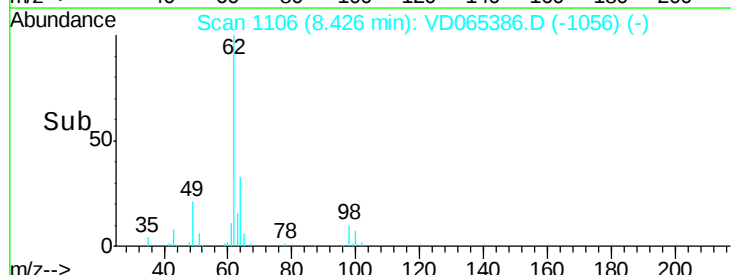
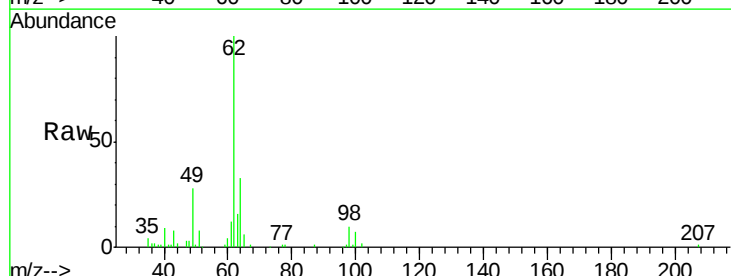
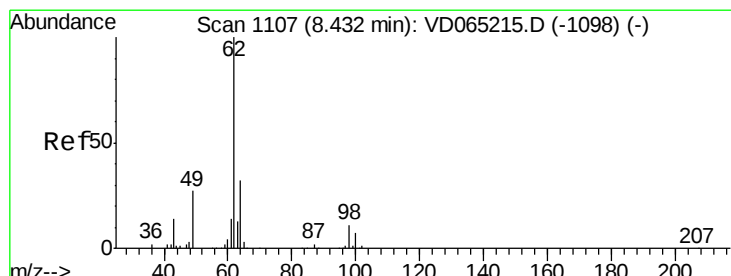
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25381		
39	68.0	48.1	72.1		
67	86.6	58.9	88.3		
52	35.6	24.2	36.2		



Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

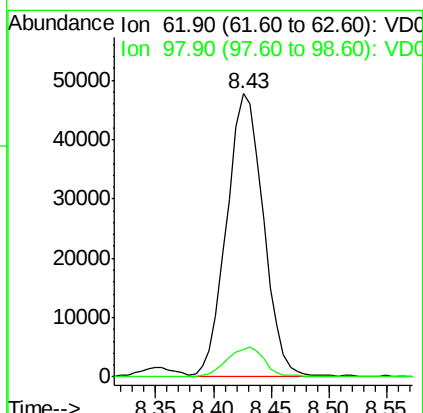
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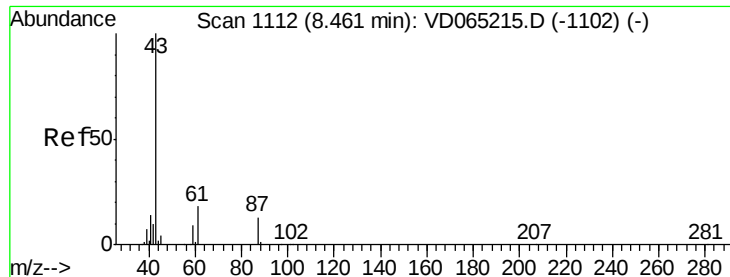
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.292 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		105855		
98	10.7	0.0	20.6		





#43

Isopropyl Acetate

Concen: 18.686 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

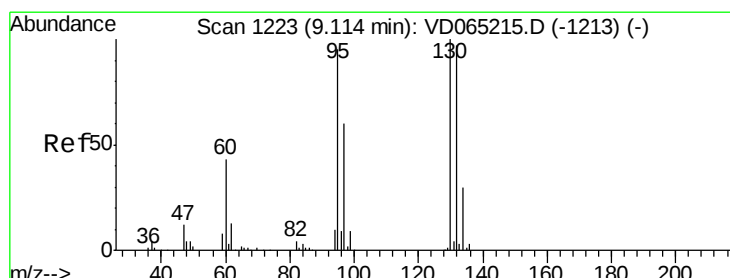
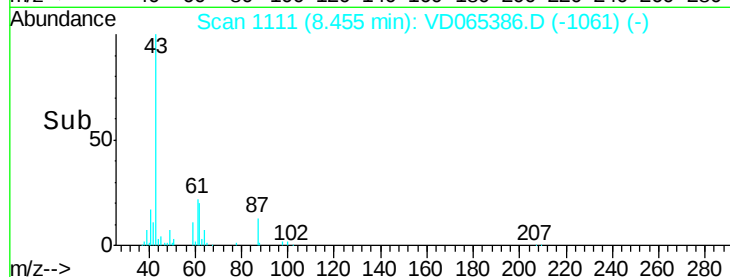
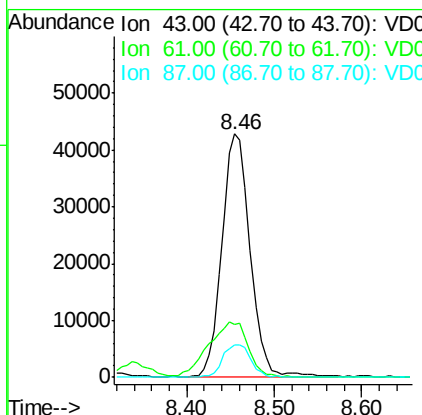
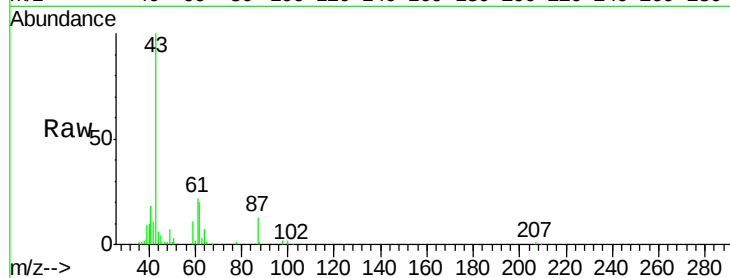
ClientSampleId :

VD0303SBS01

Tot Ion:	43	Resp:	95497
Ion	Ratio	Lower	Upper
43	100		
61	31.7	24.6	36.8
87	13.1	10.6	16.0

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#44

Trichloroethene

Concen: 21.041 ug/l

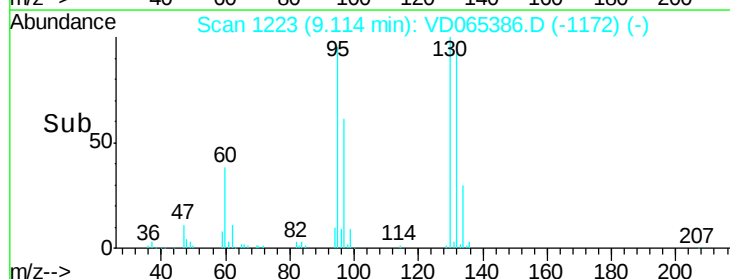
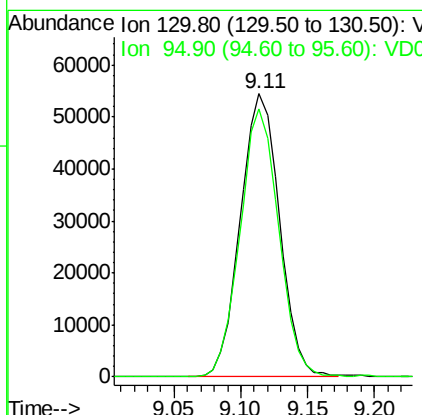
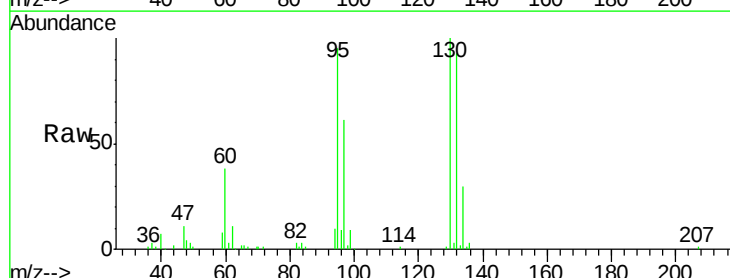
RT: 9.11 min Scan# 1223

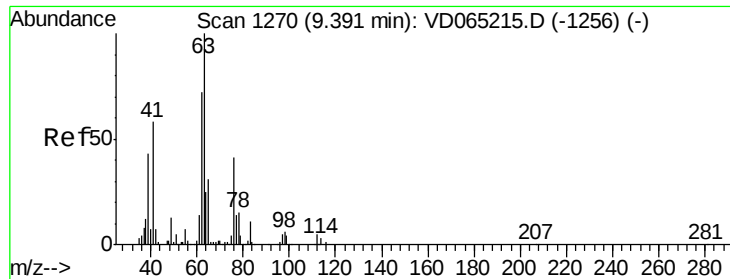
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	130	Resp:	110671
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	190.6





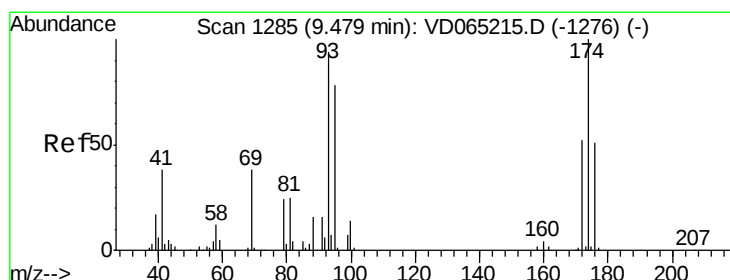
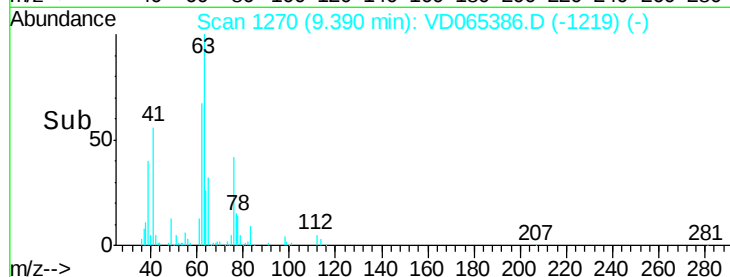
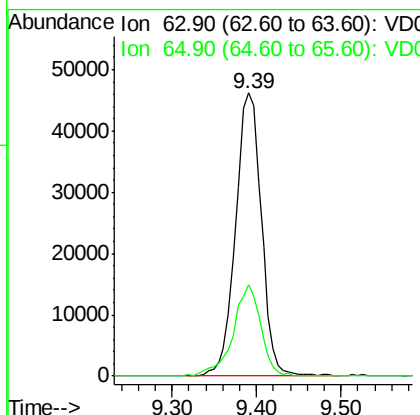
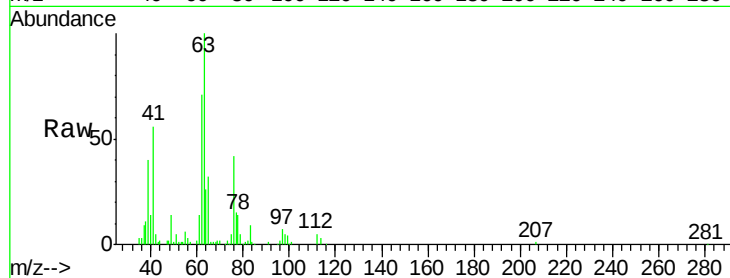
#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	63	Resp	97442
Ion Ratio	Lower	Upper	
63	100		
65	32.2	24.9	37.3

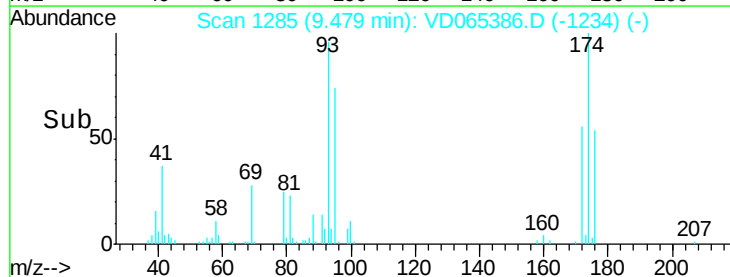
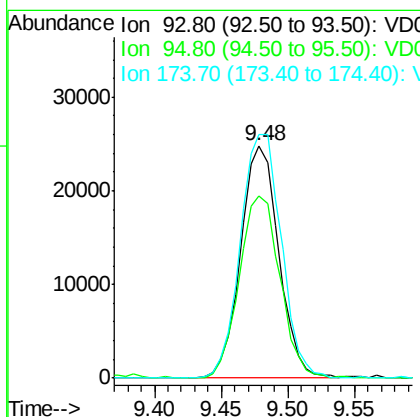
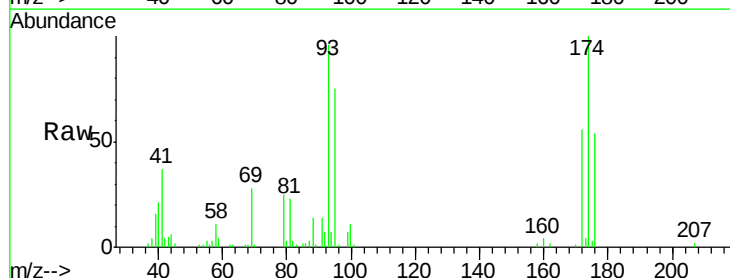
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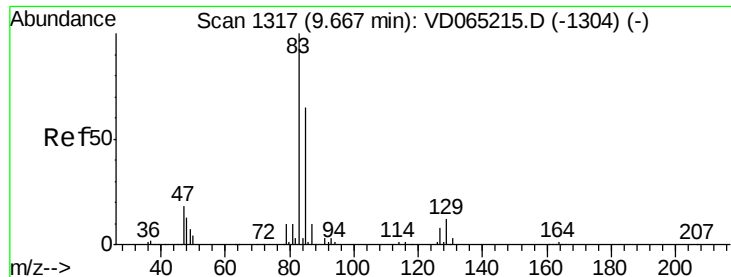
MMDadoda
 3/4/2020 2:01:22 PM



#46
 Dibromomethane
 Concen: 20.231 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	93	Resp	49114
Ion Ratio	Lower	Upper	
93	100		
95	83.3	65.8	98.6
174	112.2	86.8	130.2





#47

Bromodichloromethane

Concen: 20.675 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

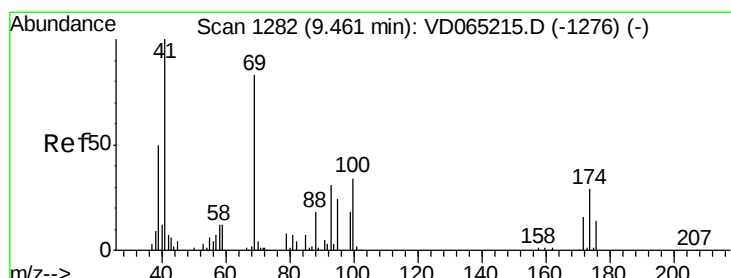
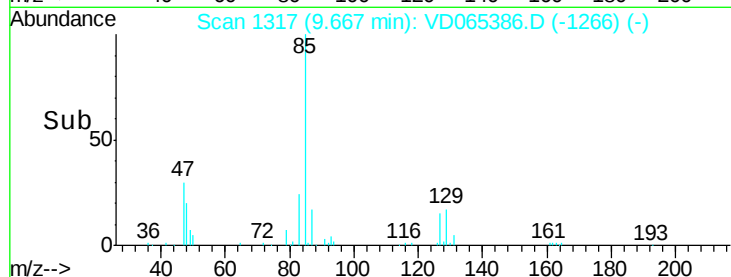
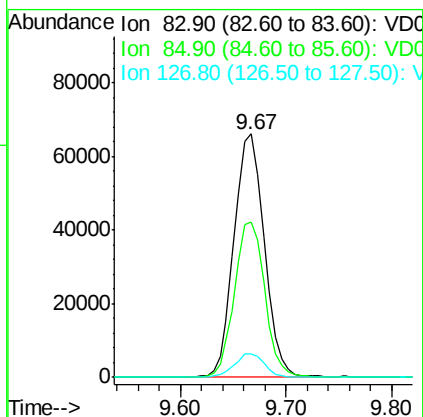
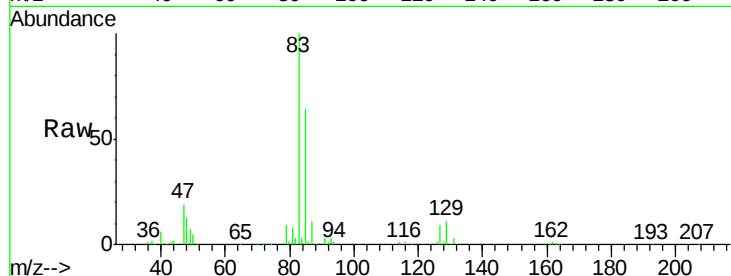
ClientSampleId :

VD0303SBS01

Tot Ion:	83	Resp:	132271
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0
127	9.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.704 ug/l

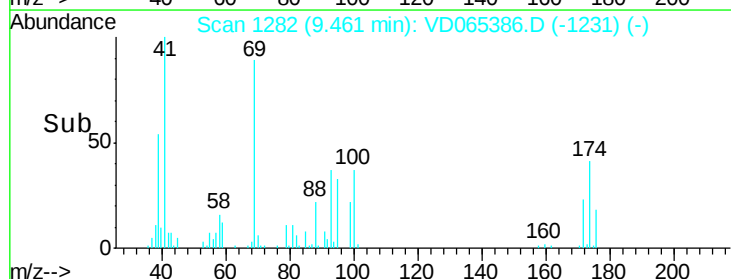
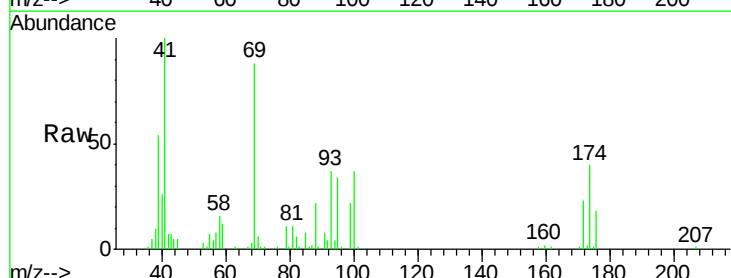
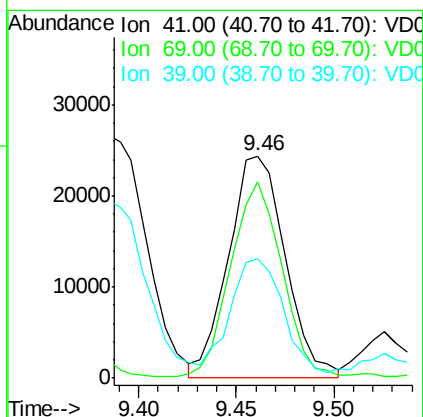
RT: 9.46 min Scan# 1282

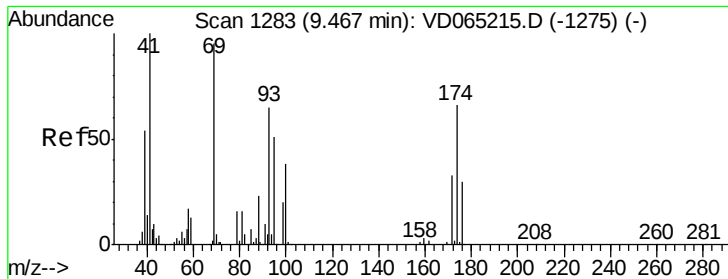
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	41	Resp:	48908
Ion	Ratio	Lower	Upper
41	100		
69	79.8	68.2	102.2
39	46.8	42.0	63.0





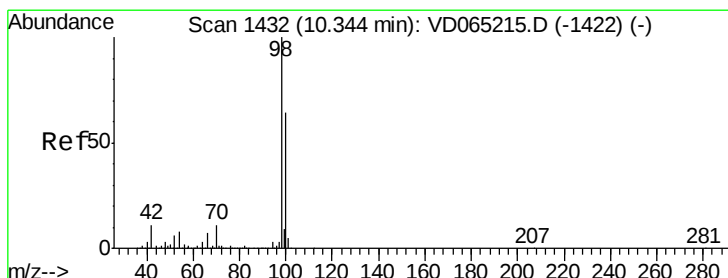
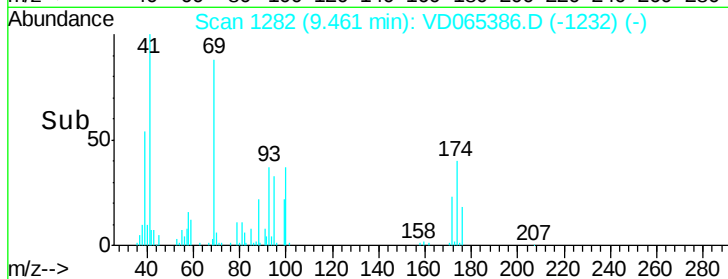
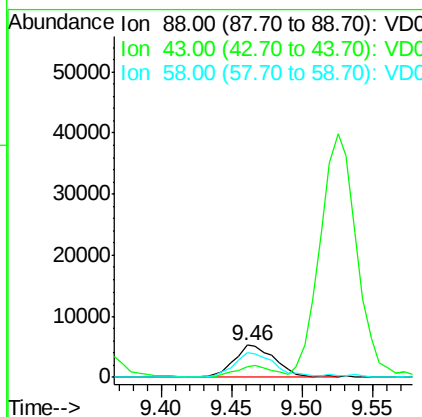
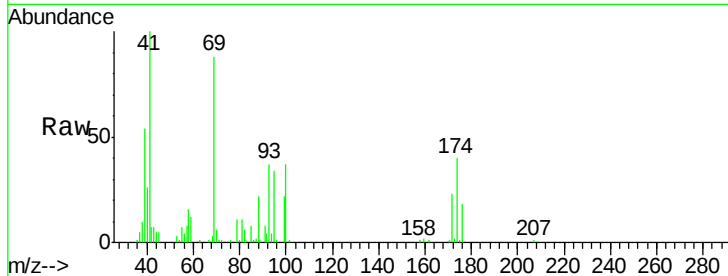
#49
1,4-Dioxane
Concen: 379.554 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	75.5	58.6	87.8

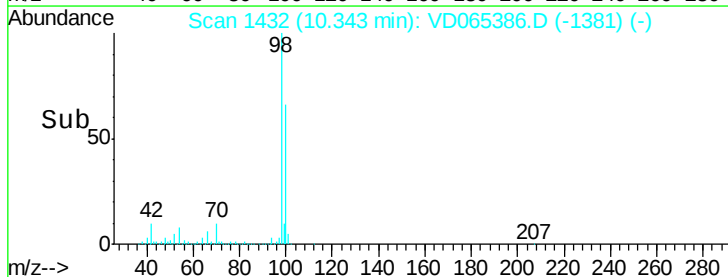
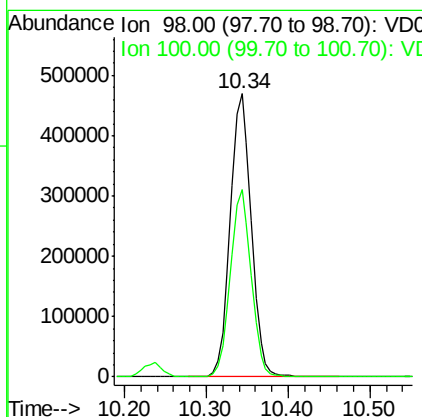
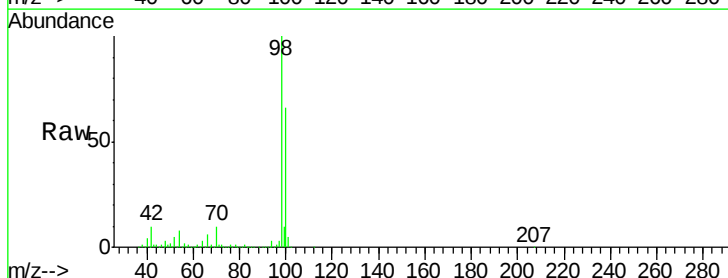
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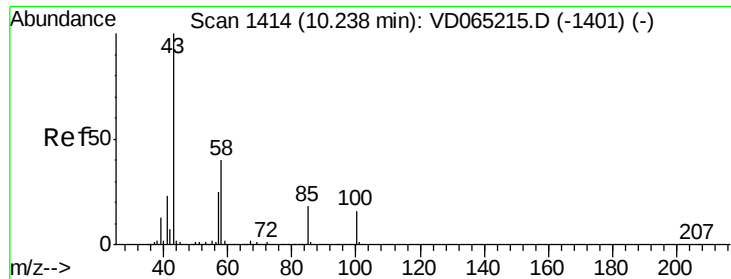
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#50
Toluene-d8
Concen: 52.386 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





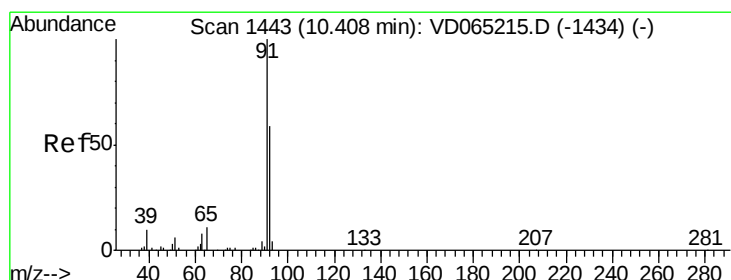
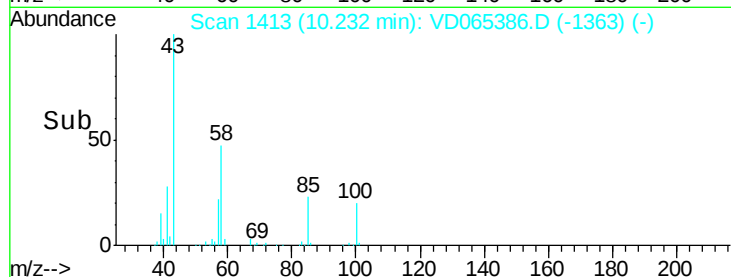
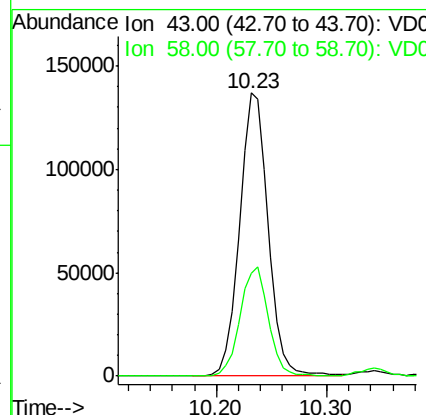
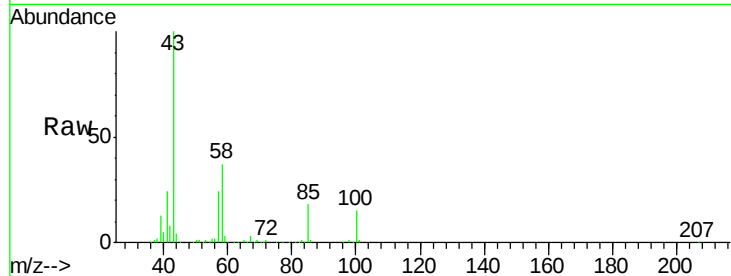
#51
4-Methyl-2-Pentanone
Concen: 96.025 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	43	Resp	249252
Ion Ratio	100	Lower	Upper
43	100		
58	38.4	31.1	46.7

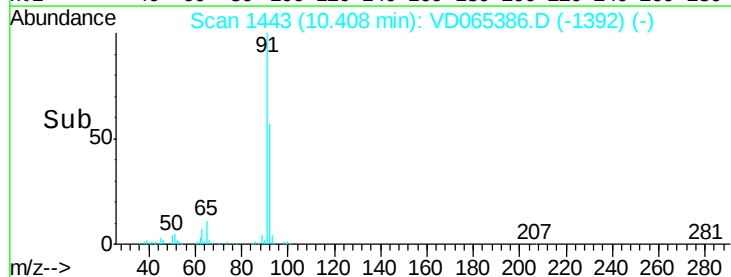
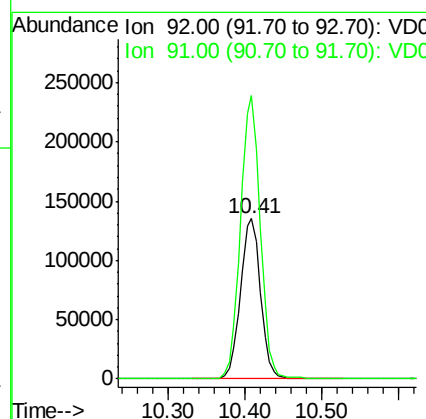
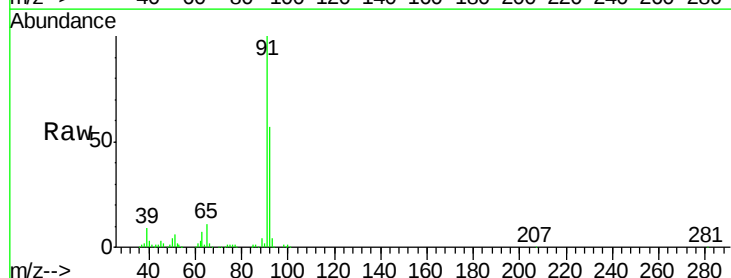
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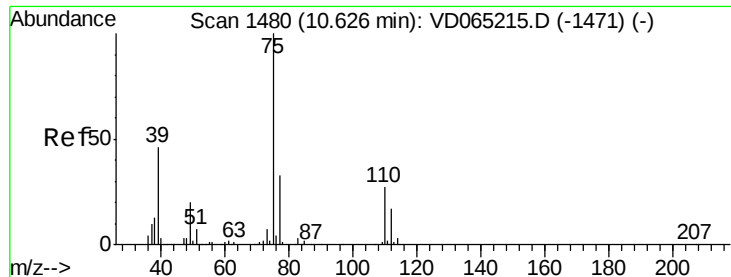
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#52
Toluene
Concen: 21.112 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	92	Resp	247970
Ion Ratio	100	Lower	Upper
92	100		
91	174.4	136.3	204.5





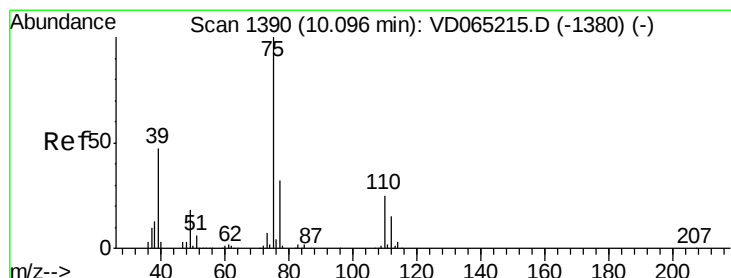
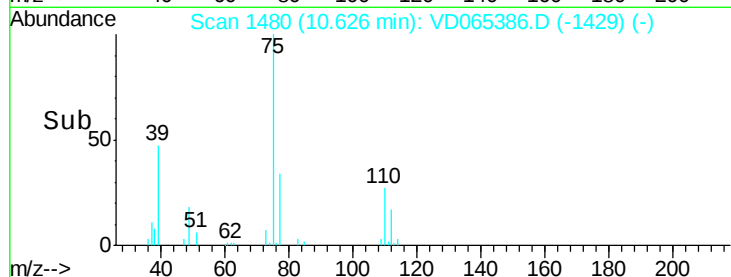
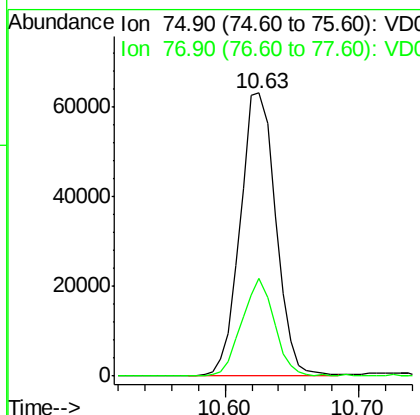
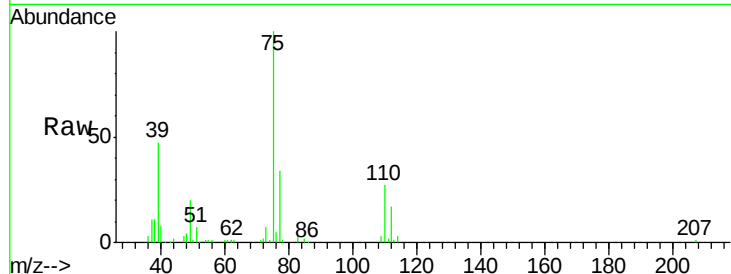
#53
t-1,3-Dichloropropene
Concen: 19.671 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	26.6	40.0

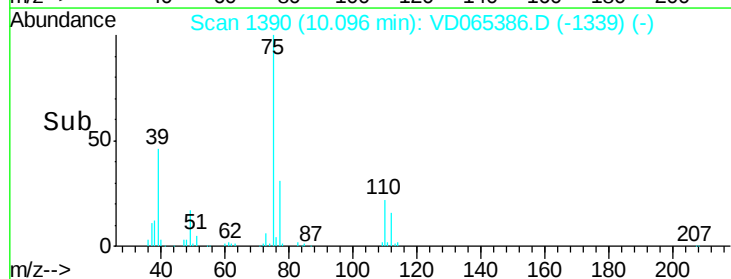
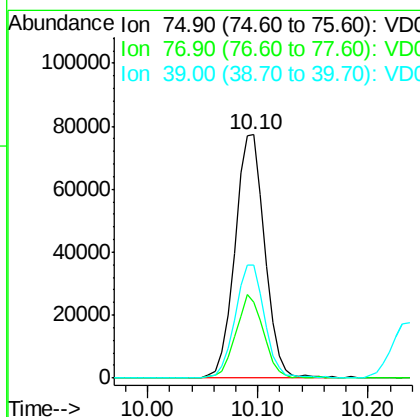
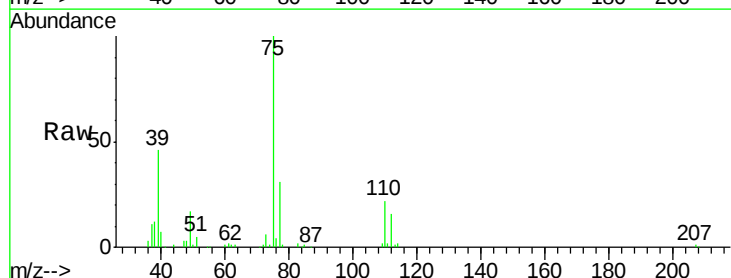
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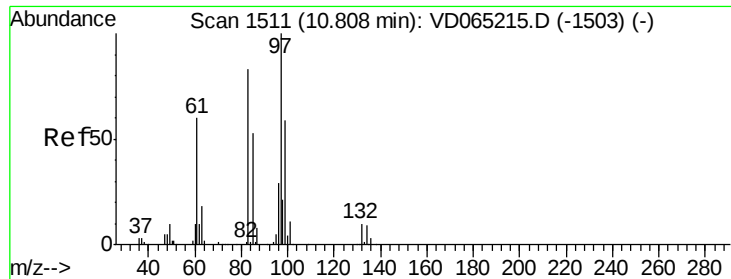
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#54
cis-1,3-Dichloropropene
Concen: 20.491 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8
39	46.3	37.3	55.9





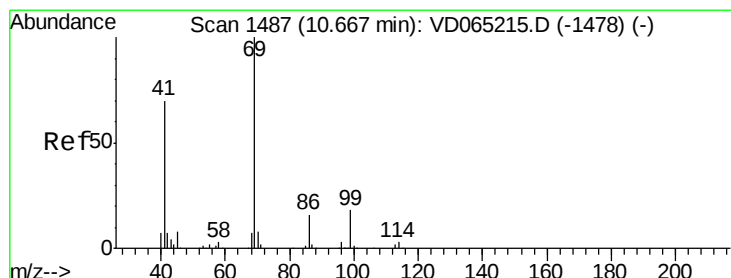
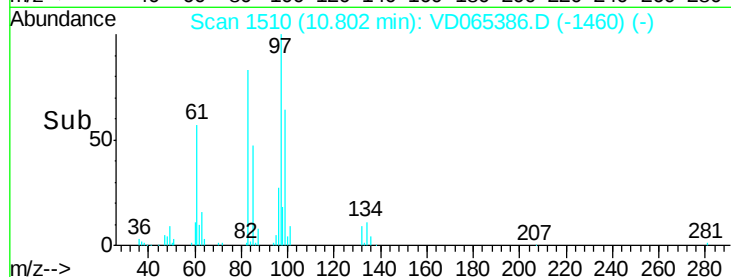
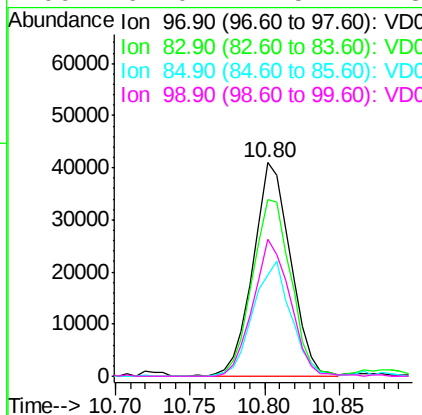
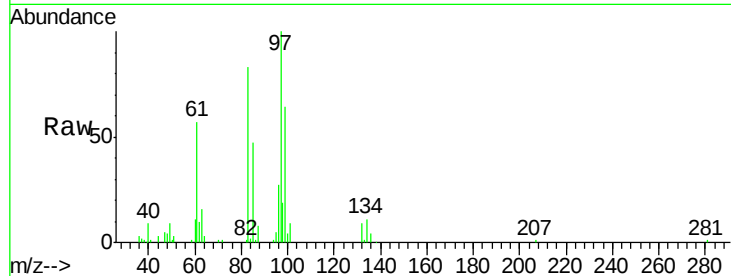
#55
 1,1,2-Trichloroethane
 Concen: 20.851 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion:	97	Resp:	71247
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.7	100.1
85	47.4	42.4	63.6
99	64.0	47.5	71.3

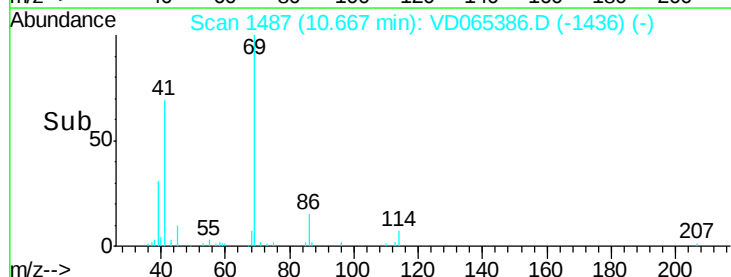
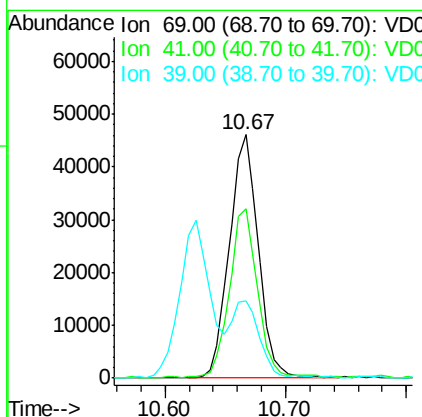
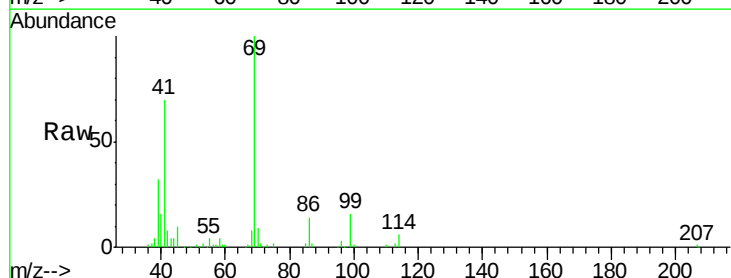
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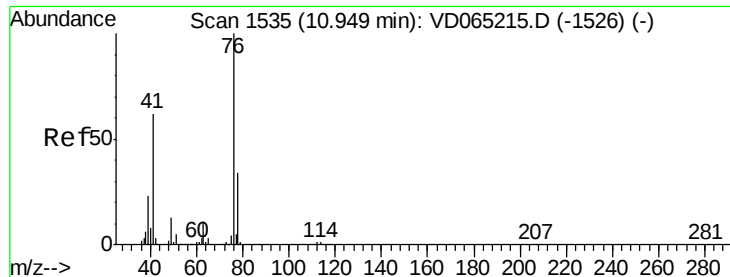
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#56
 Ethyl methacrylate
 Concen: 19.534 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion:	69	Resp:	77040
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.6	81.8
39	31.0	26.5	39.7





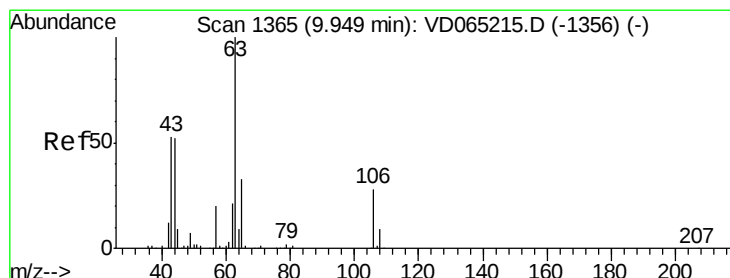
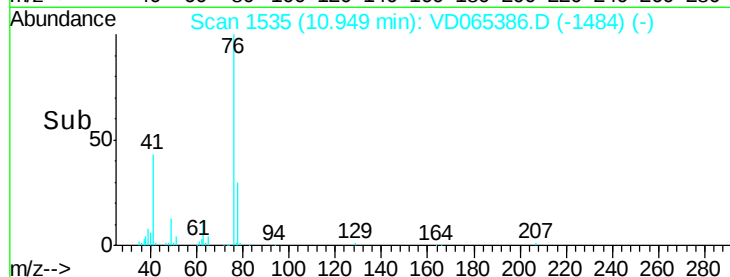
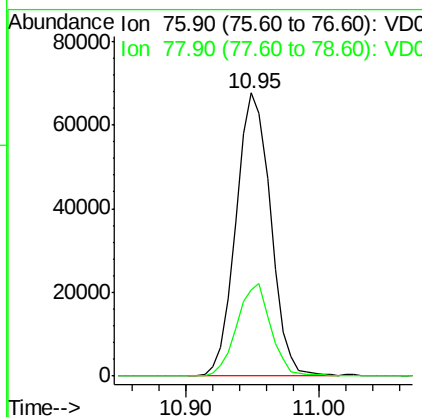
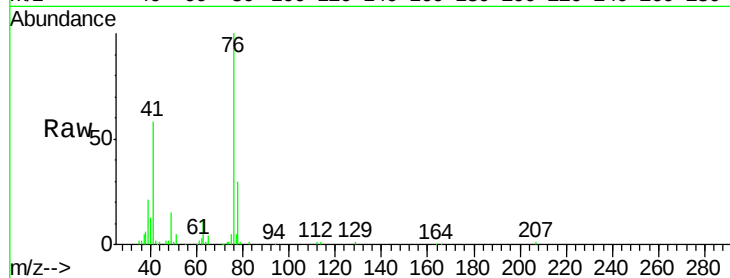
#57
 1,3-Dichloropropane
 Concen: 20.937 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

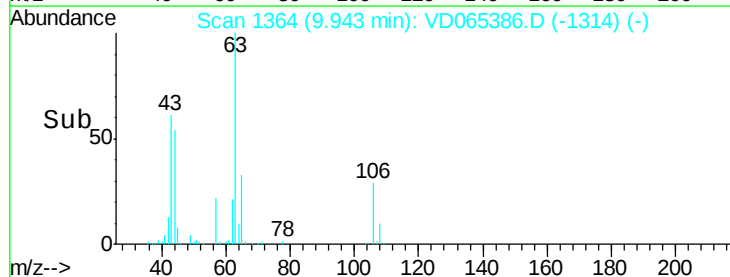
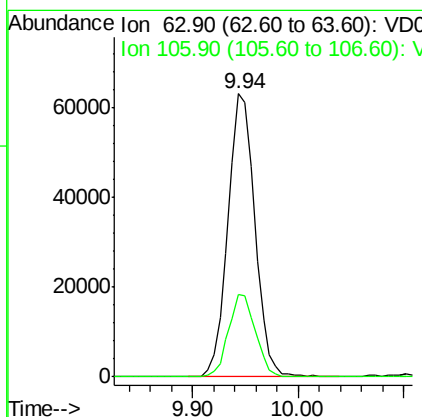
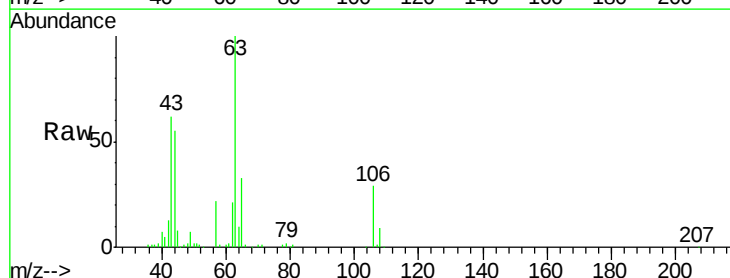
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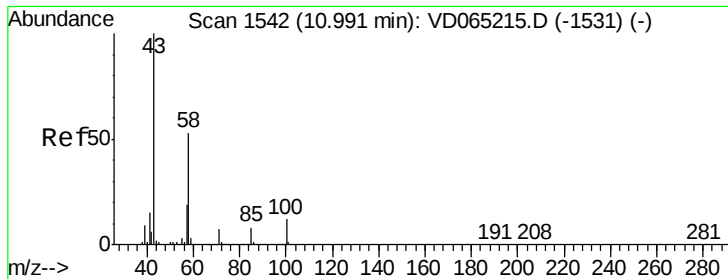
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#58
 2-Chloroethyl Vinyl ether
 Concen: 89.841 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.8	34.2





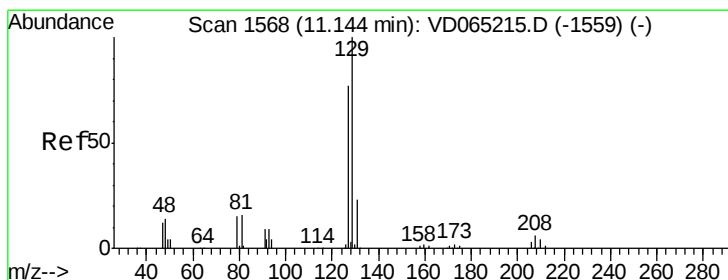
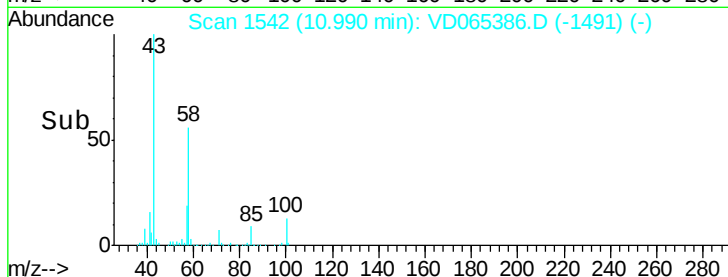
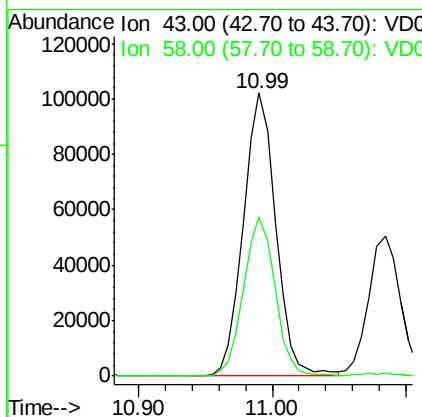
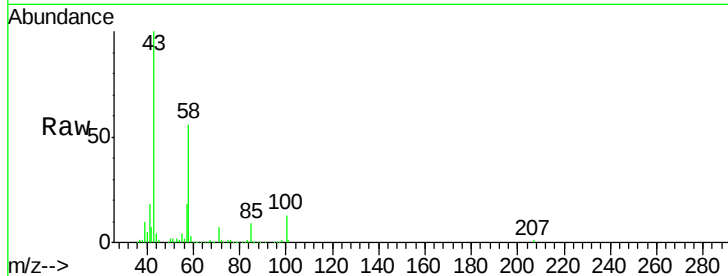
#59
2-Hexanone
Concen: 92.292 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion: 43 Resp: 171488
Ion Ratio Lower Upper
43 100
58 54.7 26.3 78.8

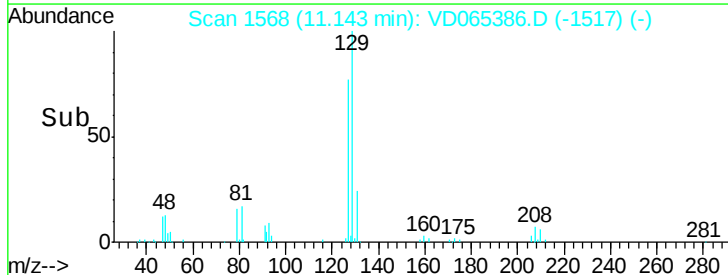
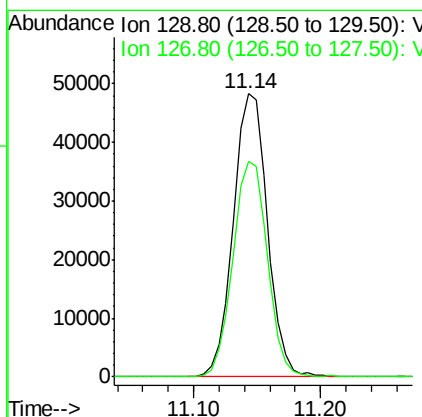
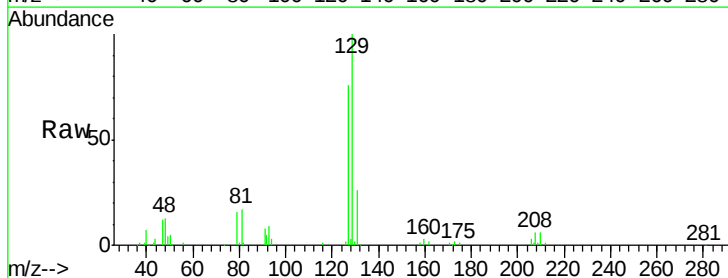
Manual Integrations
APPROVED

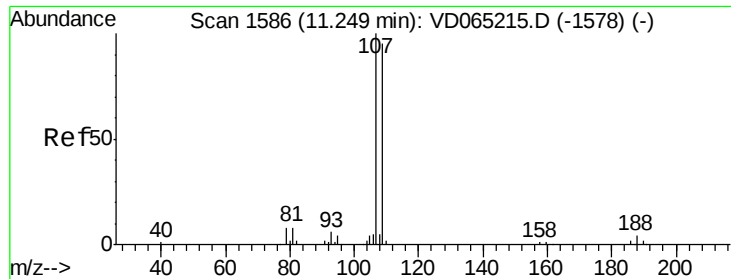
MMDadoda
3/4/2020 2:01:22 PM



#60
Dibromochloromethane
Concen: 20.589 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion: 129 Resp: 90046
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





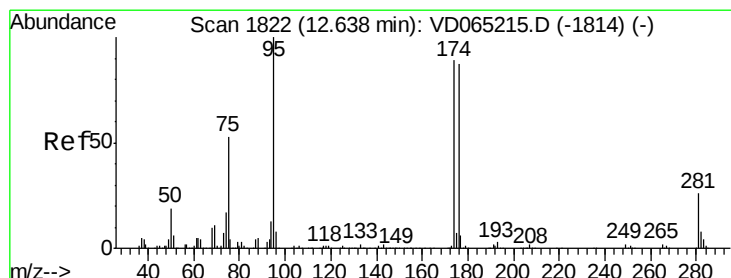
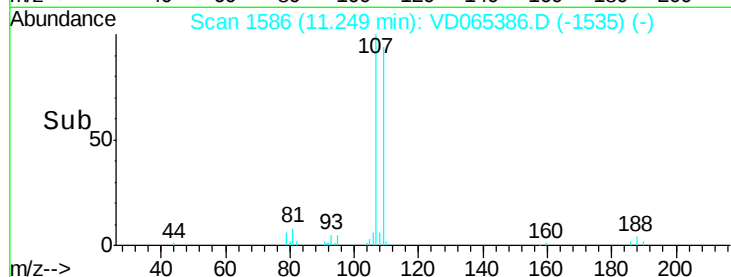
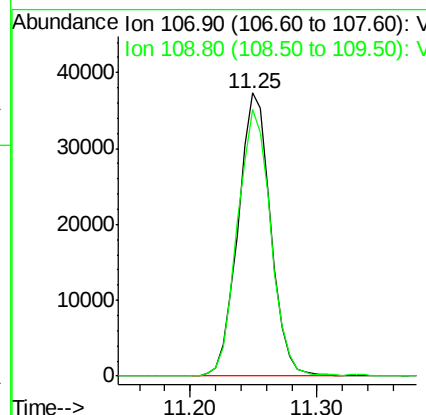
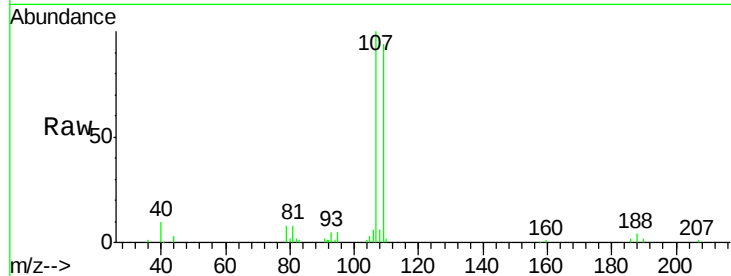
#61
 1,2-Dibromoethane
 Concen: 20.419 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	76.2	114.4

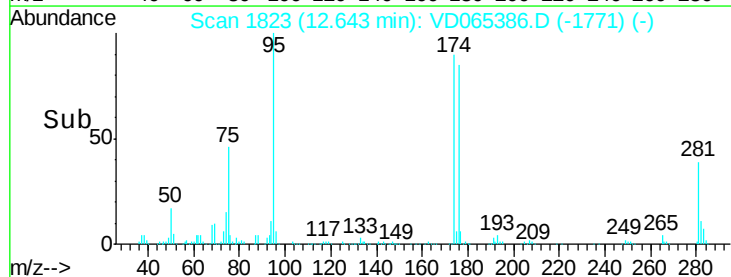
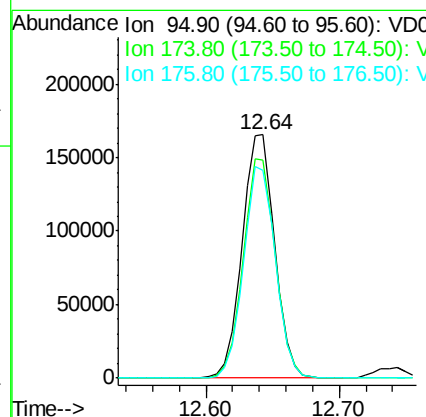
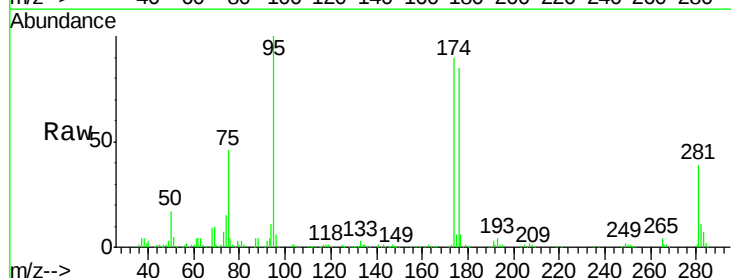
Manual Integrations
 APPROVED

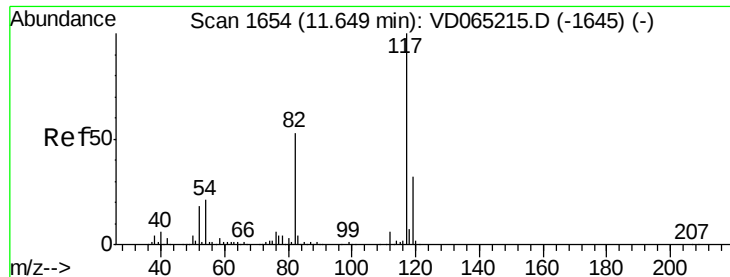
MMDadoda
 3/4/2020 2:01:22 PM



#62
 4-Bromofluorobenzene
 Concen: 54.408 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	178.0
176	85.4	0.0	174.4





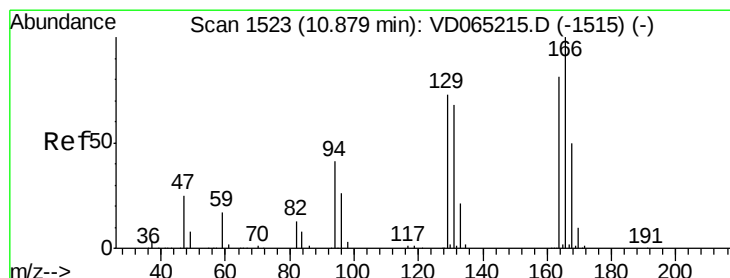
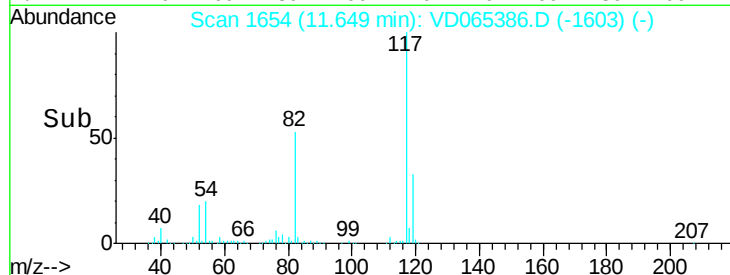
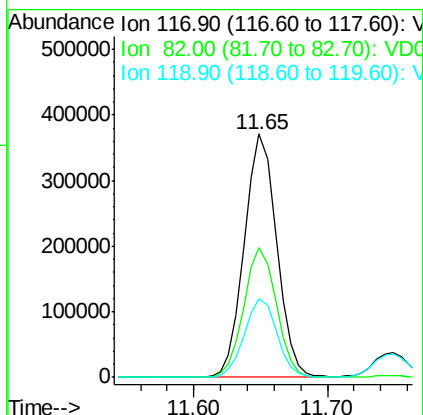
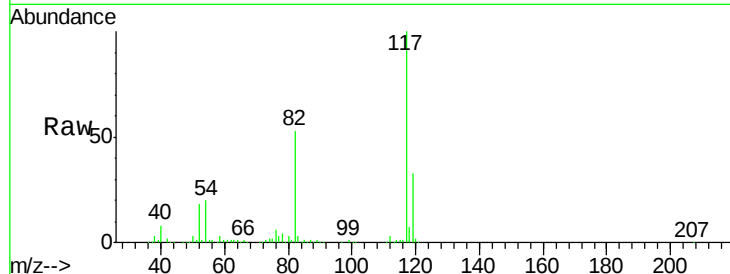
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.7	64.1
119	32.5	25.5	38.3

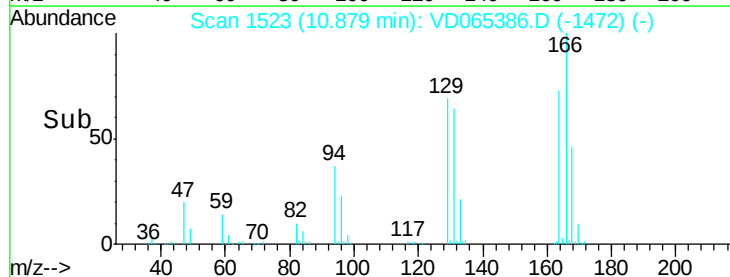
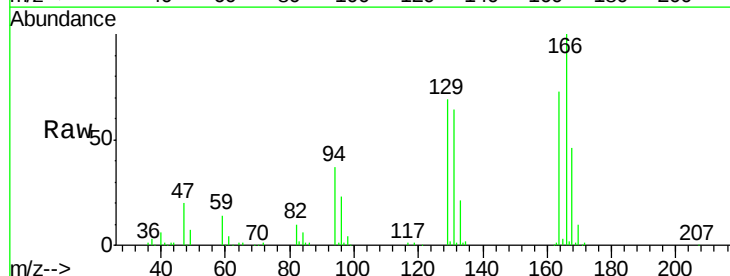
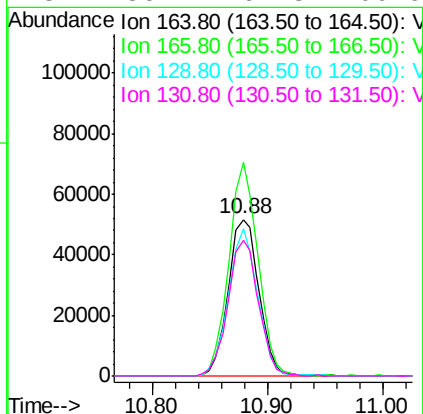
Manual Integrations
APPROVED

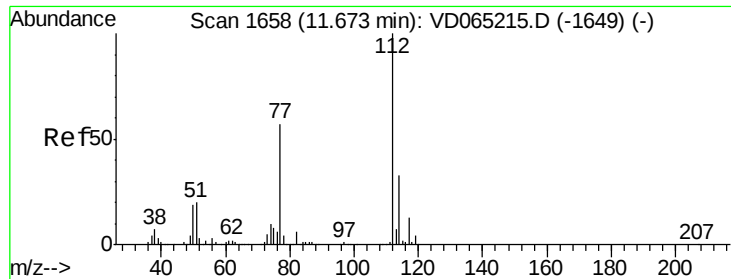
MMDadoda
3/4/2020 2:01:22 PM



#64
Tetrachloroethene
Concen: 21.572 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	98.4	147.6
129	94.0	71.6	107.4
131	86.7	67.3	100.9





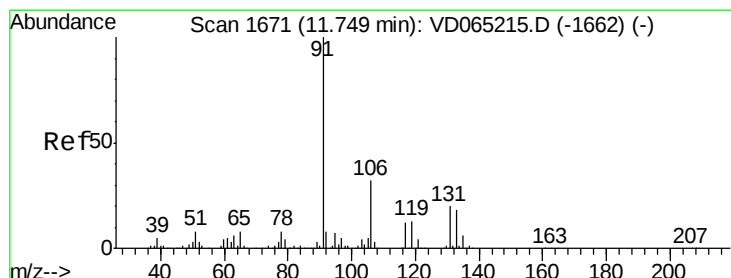
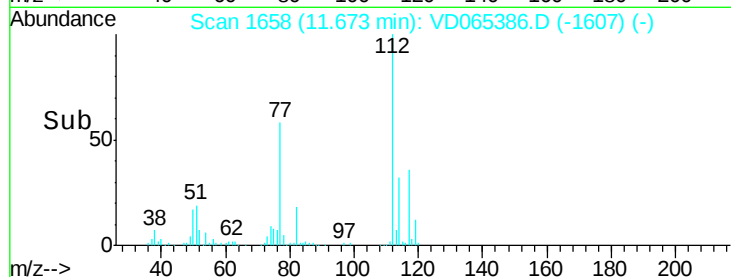
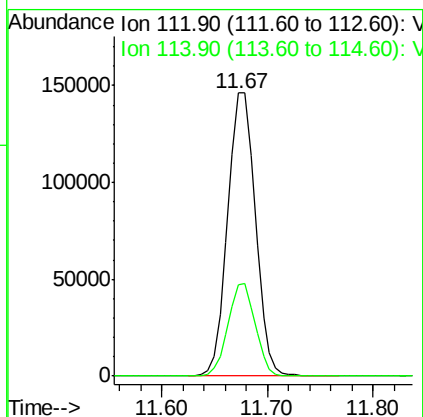
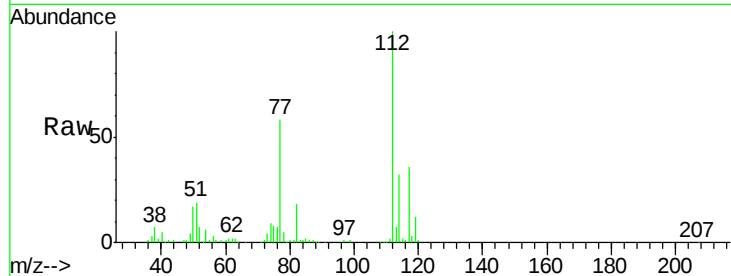
#65
Chlorobenzene
Concen: 21.219 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion:112 Resp: 265763
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6

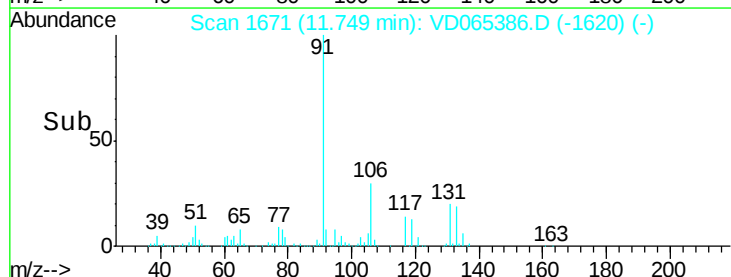
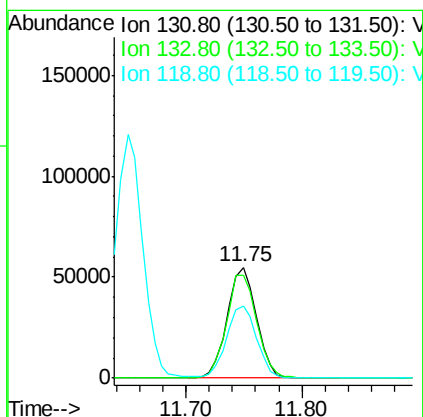
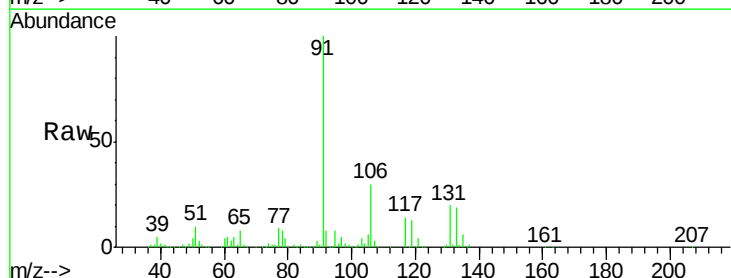
Manual Integrations
APPROVED

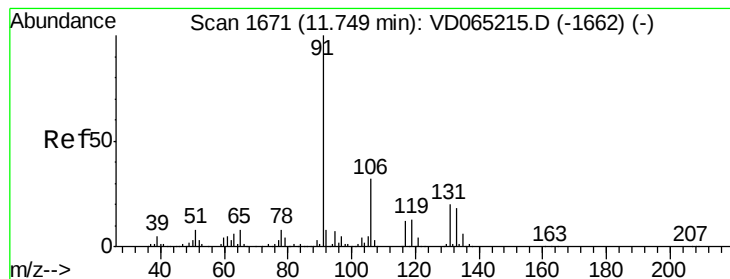
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.691 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion:131 Resp: 96709
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 67.7 32.7 98.1





#67

Ethyl Benzene

Concen: 20.586 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 91 Resp: 451575

Ion Ratio Lower Upper

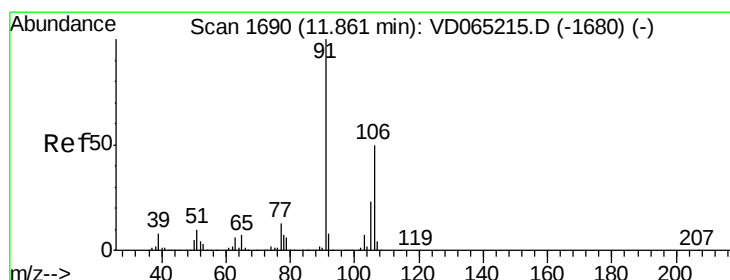
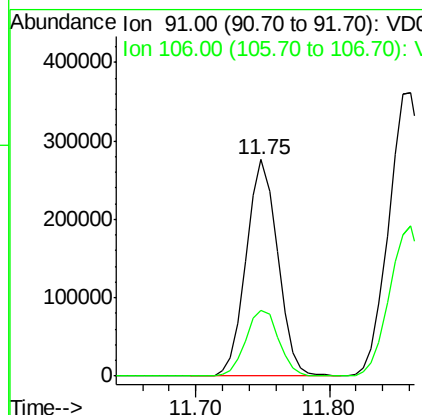
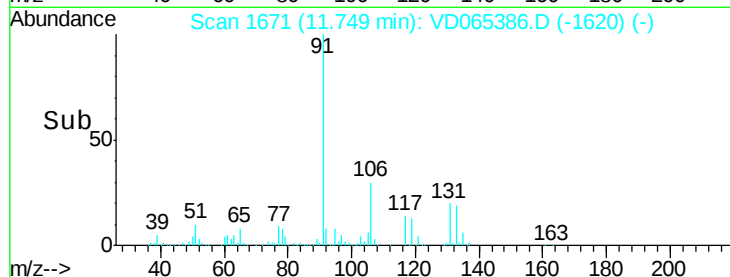
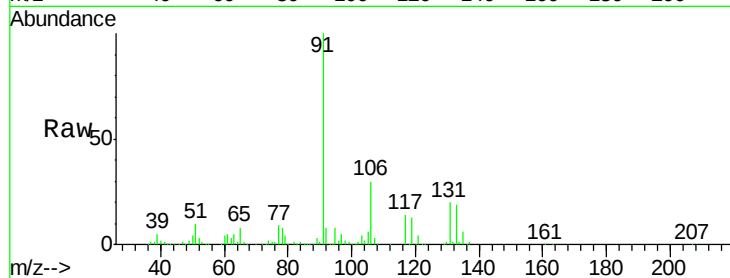
91 100

106 30.3 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.927 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065386.D

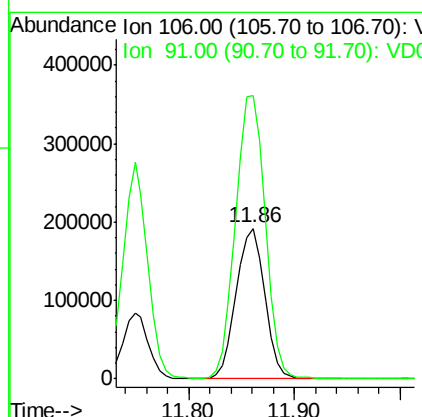
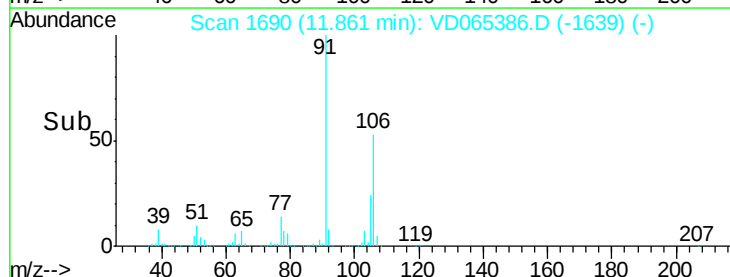
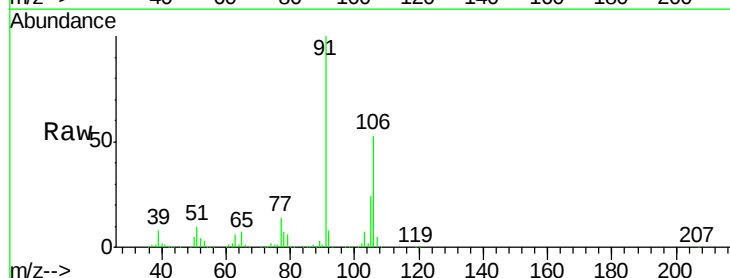
Acq: 03 Mar 2020 11:20

Tgt Ion: 106 Resp: 360266

Ion Ratio Lower Upper

106 100

91 195.5 158.2 237.4





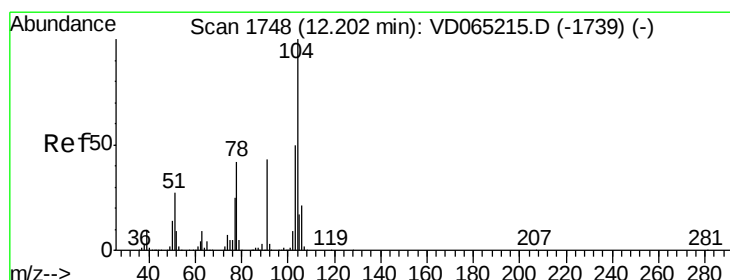
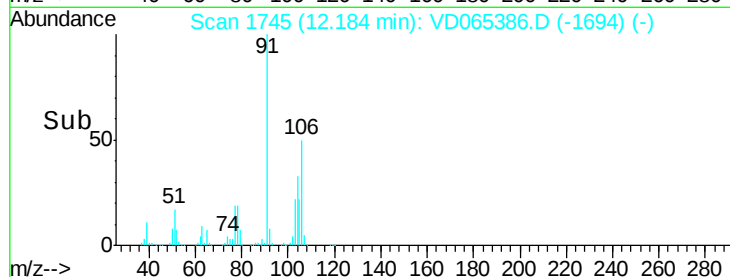
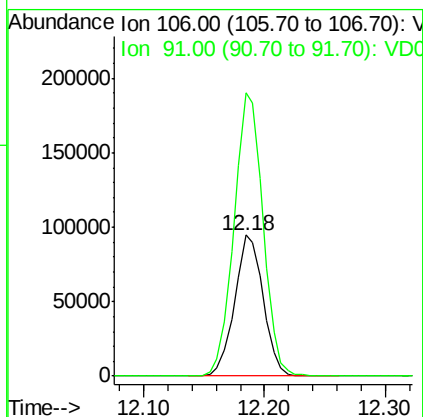
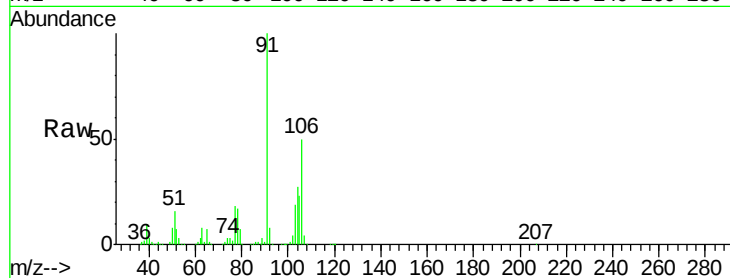
#69
o-Xylene
Concen: 21.039 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		156430		
91	203.5	104.7	313.9		

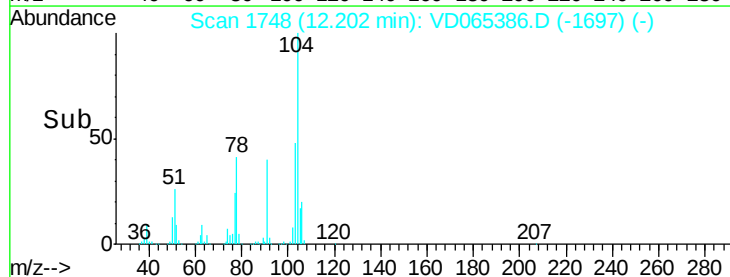
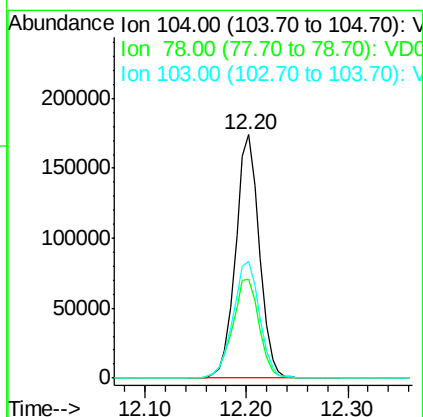
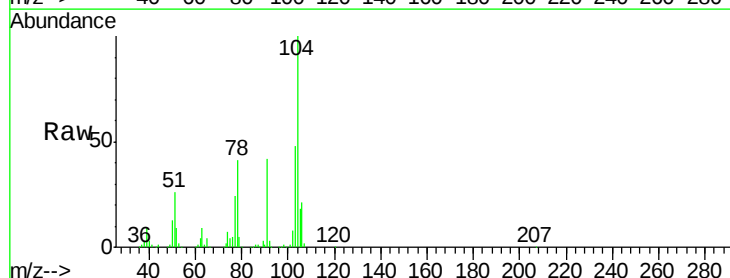
Manual Integrations
APPROVED

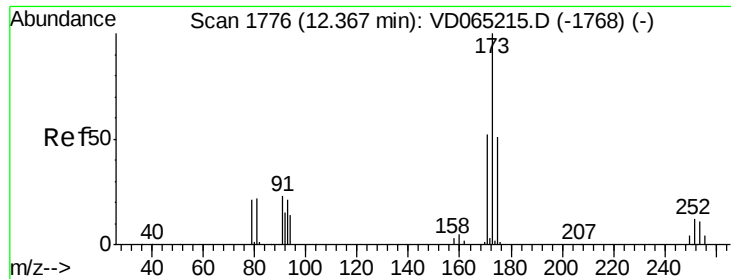
MMDadoda
3/4/2020 2:01:22 PM



#70
Styrene
Concen: 21.390 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		282374		
78	45.8	37.8	56.6		
103	53.6	43.4	65.2		





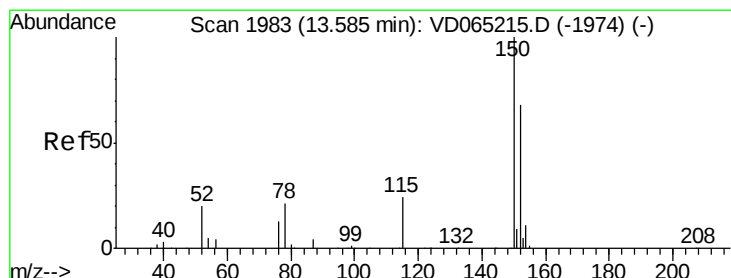
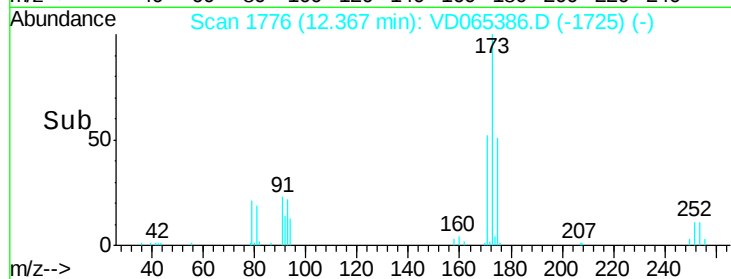
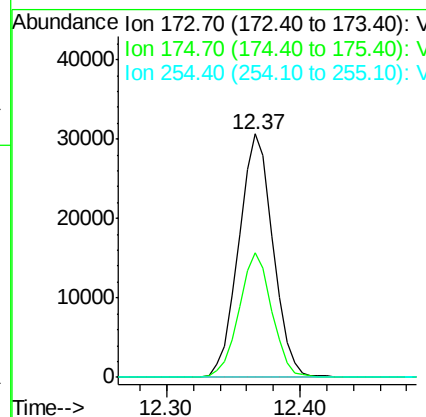
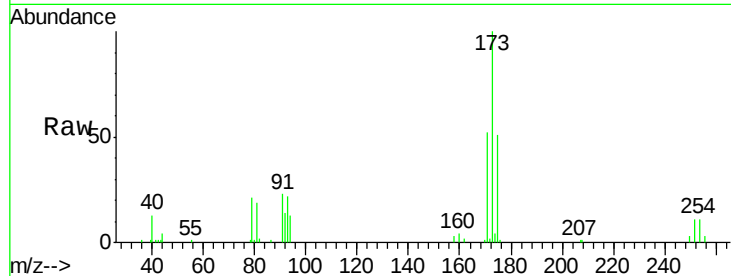
#71
Bromoform
Concen: 20.977 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.0	0.0	0.0

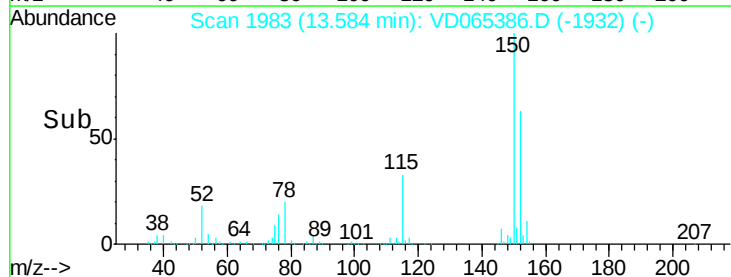
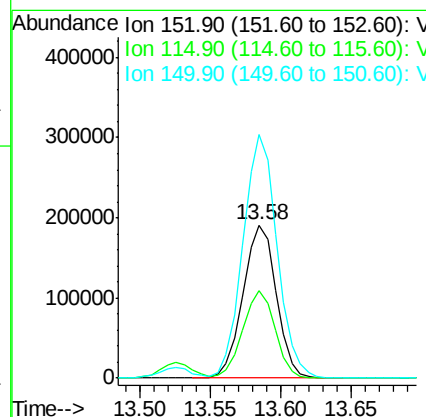
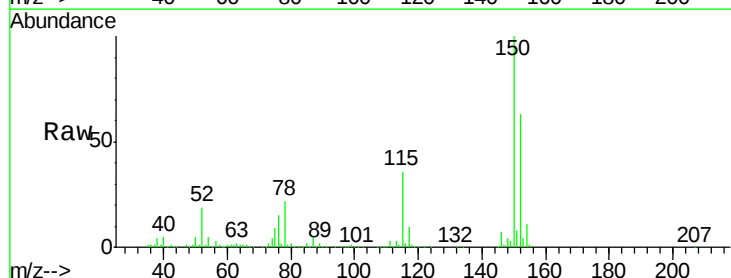
Manual Integrations
APPROVED

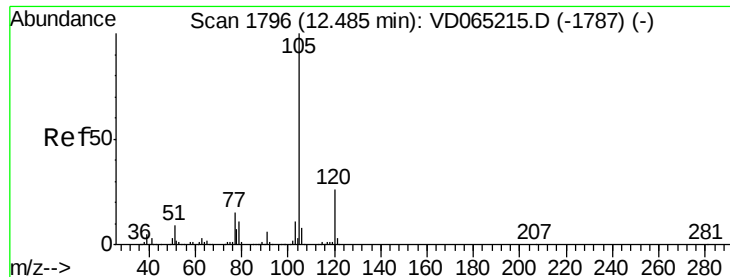
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	163.3	0.0	347.4





#73

Isopropylbenzene

Concen: 20.722 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 105 Resp: 432348

Ion Ratio Lower Upper

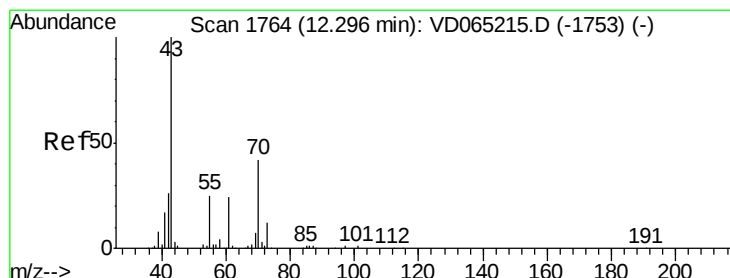
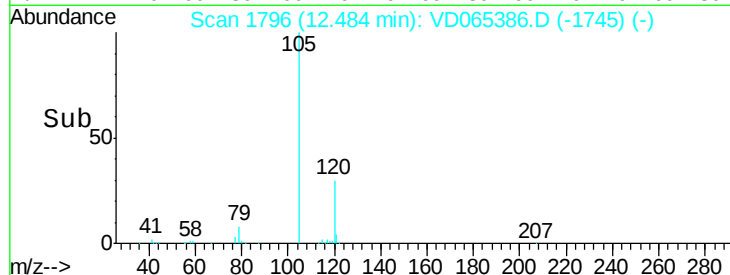
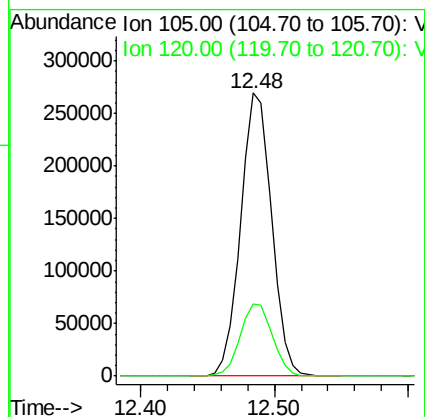
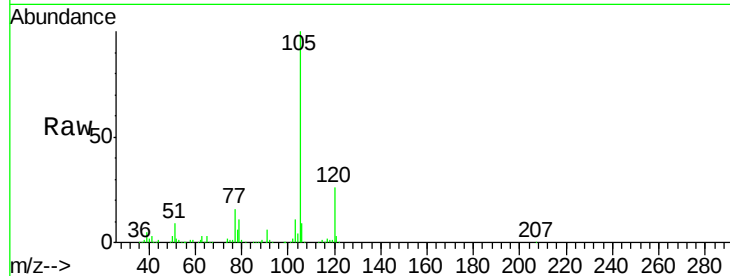
105 100

120 26.6 13.3 39.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.487 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion: 43 Resp: 85711

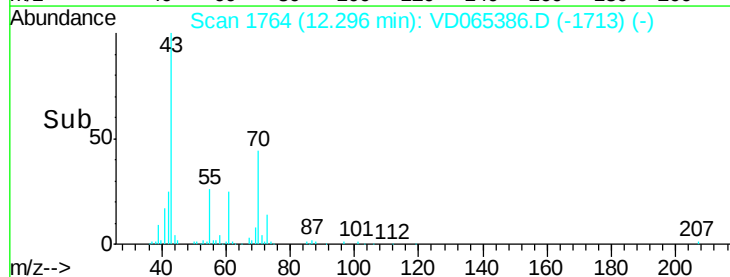
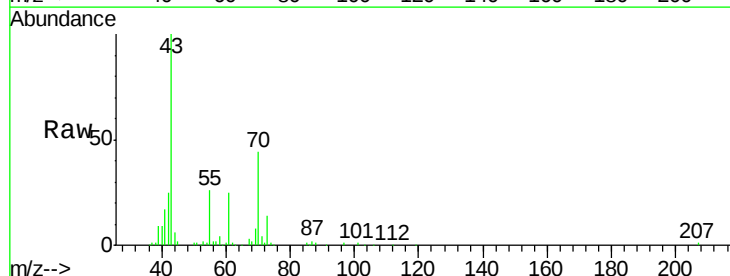
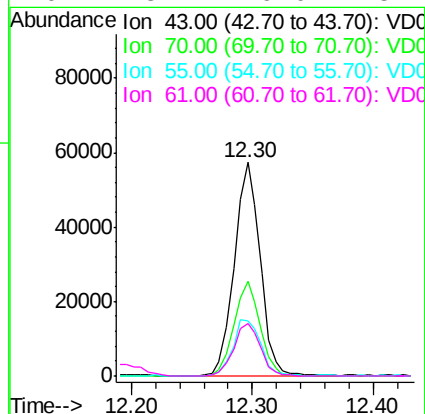
Ion Ratio Lower Upper

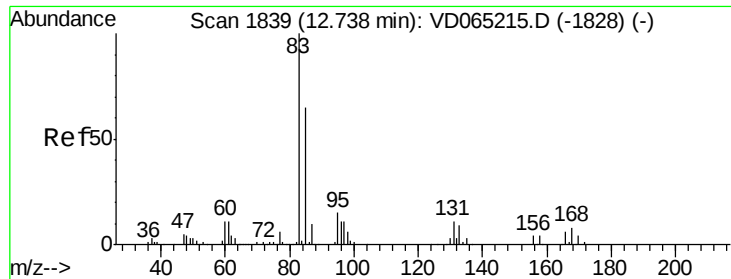
43 100

70 44.3 33.7 50.5

55 28.5 20.7 31.1

61 25.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.964 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

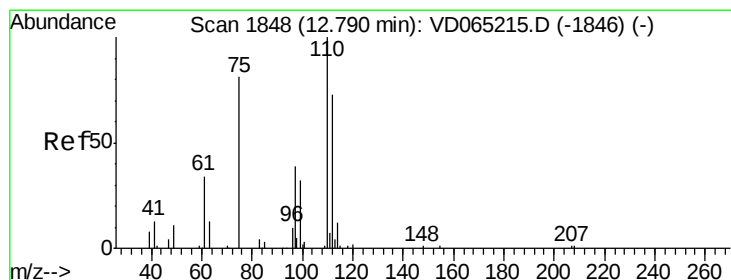
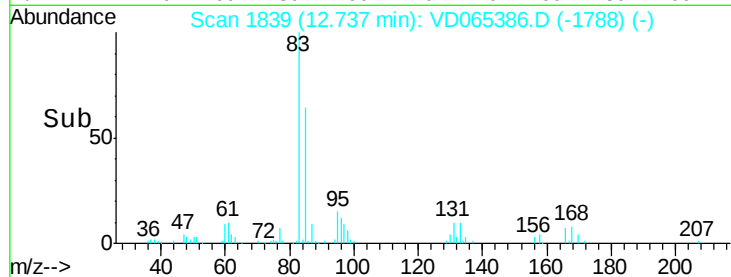
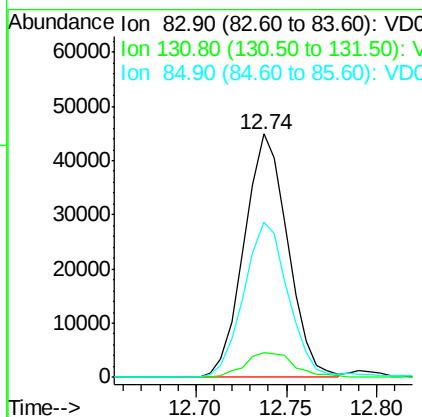
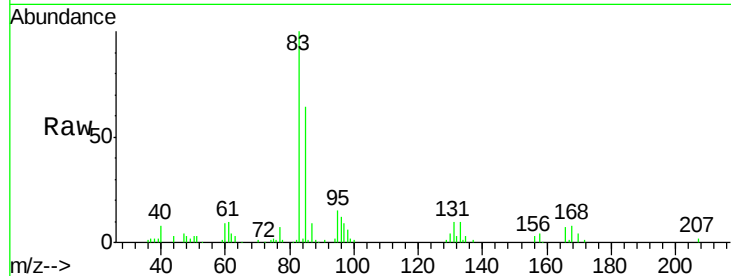
ClientSampleId :

VD0303SBS01

Tot Ion:	83	Resp:	75175
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	65.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.568 ug/l m

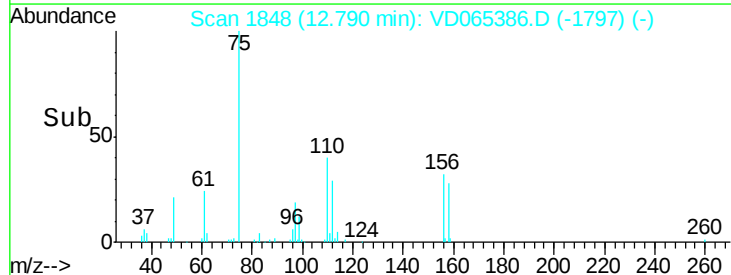
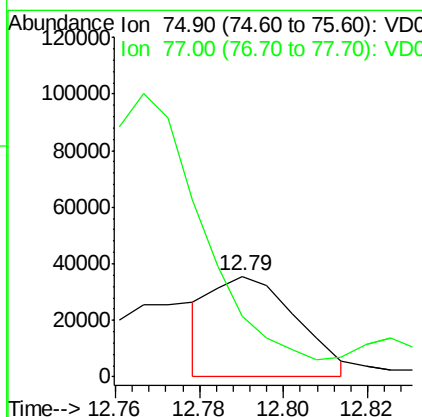
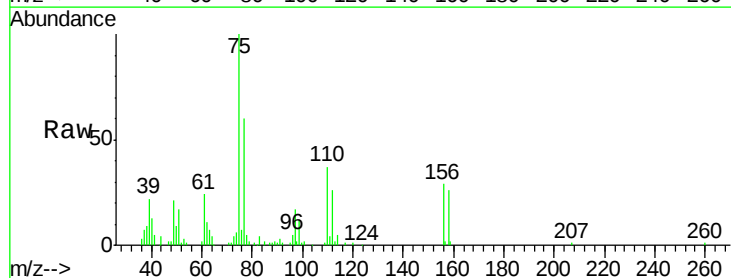
RT: 12.79 min Scan# 1848

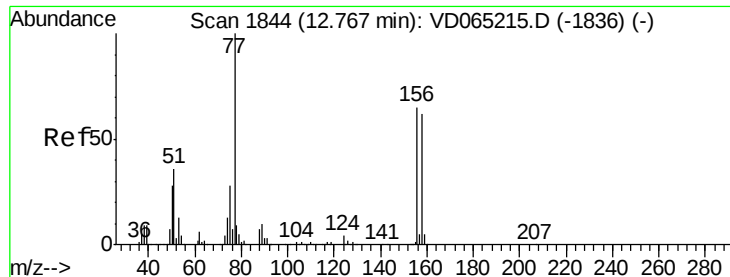
Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	75	Resp:	49787
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.496 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

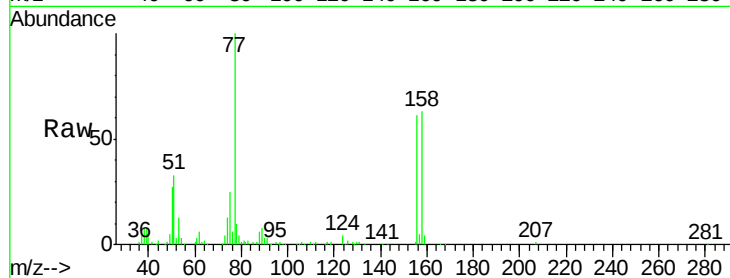
ClientSampleId :

VD0303SBS01

Tot Ion:	156	Resp:	106189
Ion Ratio	Lower	Upper	
156	100		
77	174.4	86.6	259.7
158	99.7	48.1	144.3

Manual Integrations
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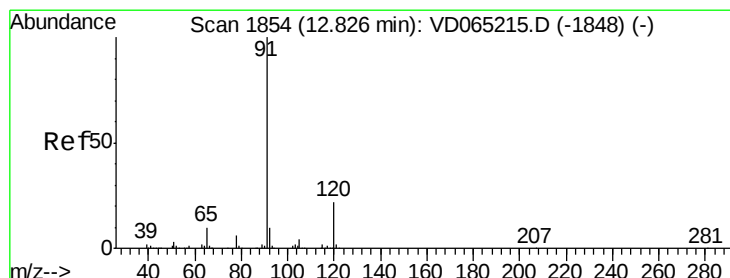
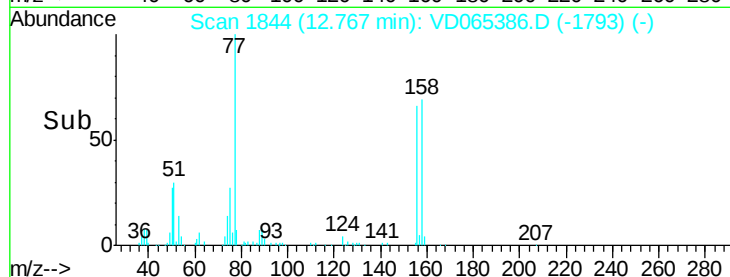
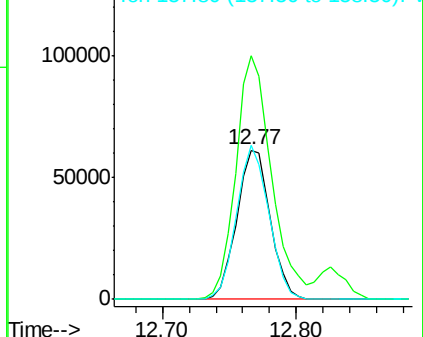
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.944 ug/l

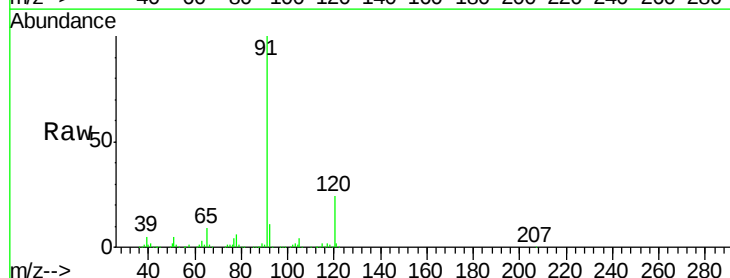
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065386.D

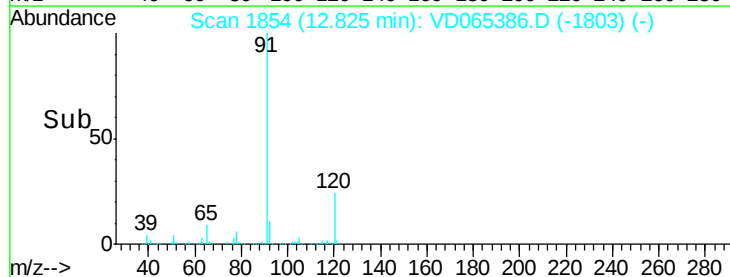
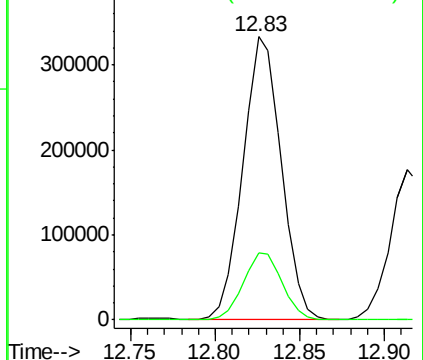
Acq: 03 Mar 2020 11:20

Tgt Ion:	91	Resp:	525140
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.647 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 91 Resp: 290011

Ion Ratio Lower Upper

91 100

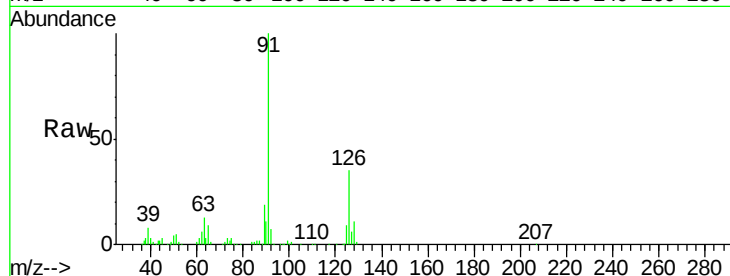
126 35.1 17.5 52.6

Manual Integrations

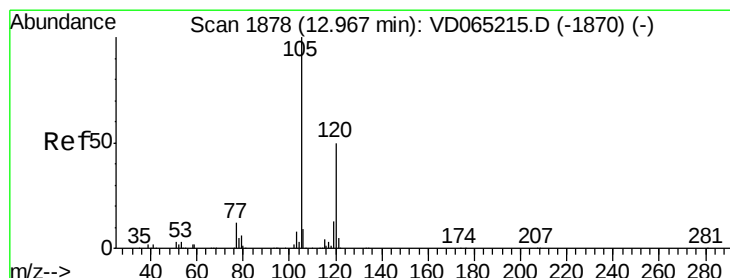
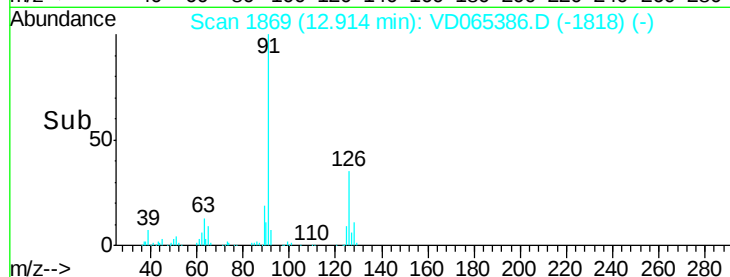
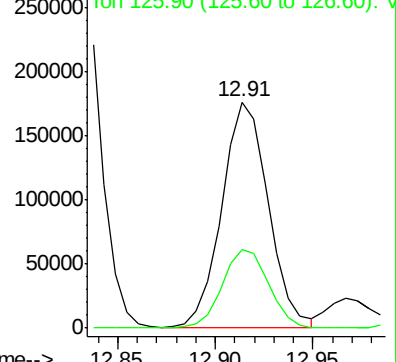
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.997 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065386.D

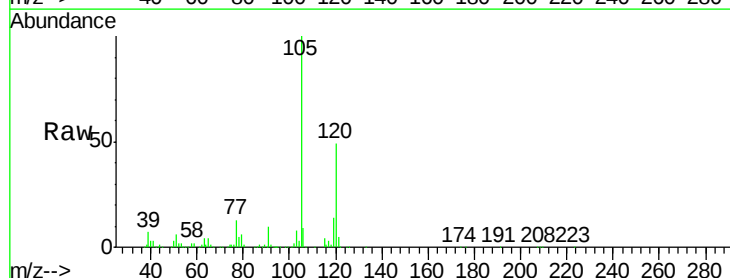
Acq: 03 Mar 2020 11:20

Tgt Ion: 105 Resp: 360815

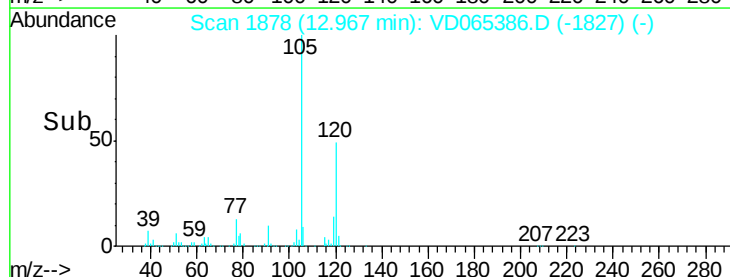
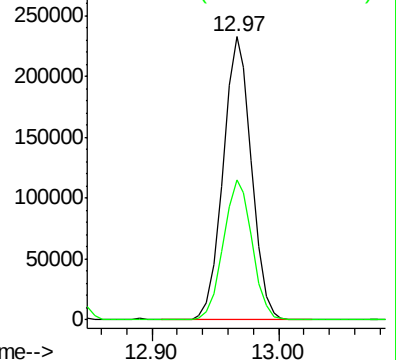
Ion Ratio Lower Upper

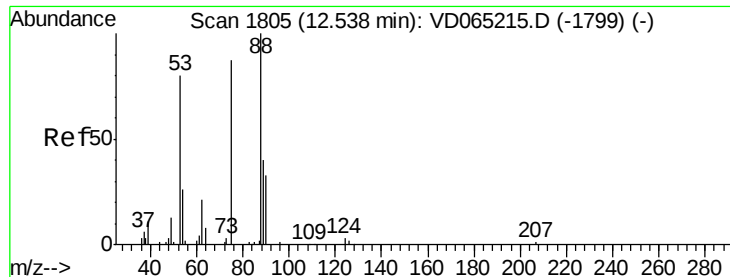
105 100

120 50.3 25.4 76.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.622 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion: 75 Resp: 23126

Ion Ratio Lower Upper

75 100

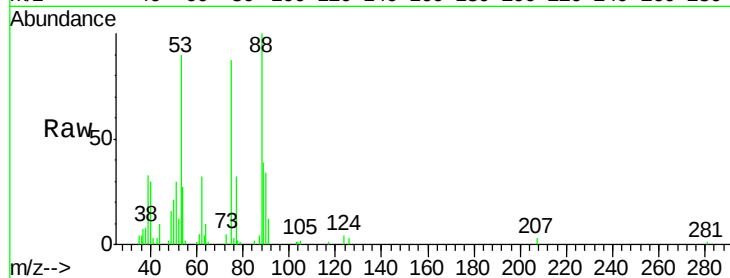
53 96.3 77.6 116.4

89 45.3 37.2 55.8

Manual Integrations
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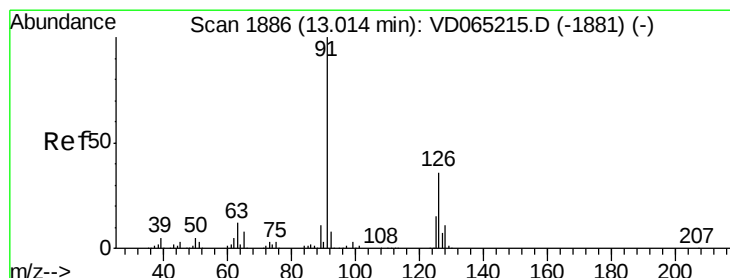
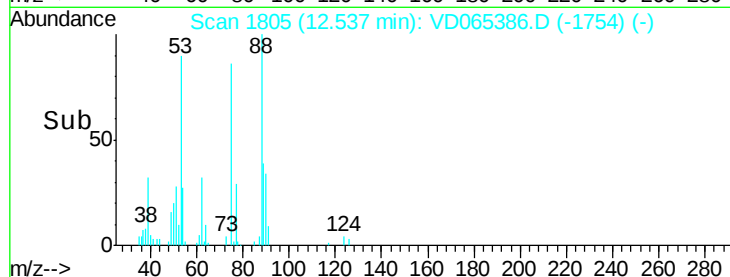
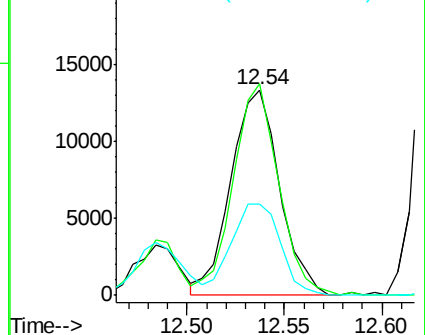
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.877 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065386.D

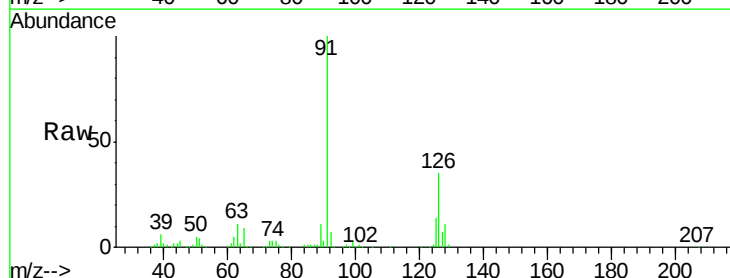
Acq: 03 Mar 2020 11:20

Tgt Ion: 91 Resp: 311319

Ion Ratio Lower Upper

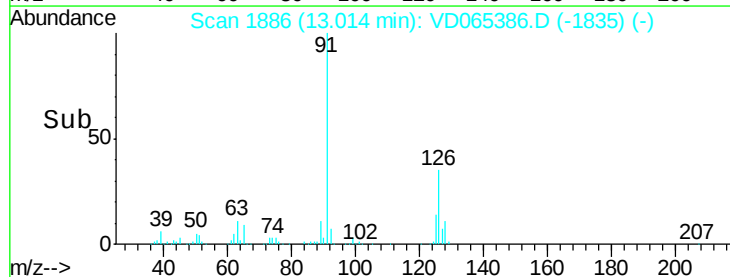
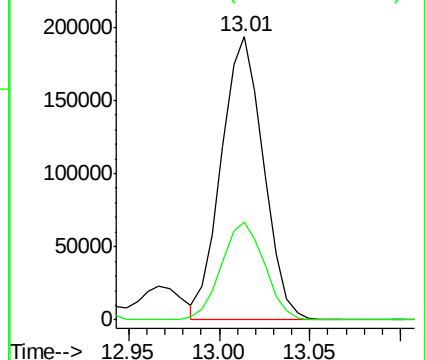
91 100

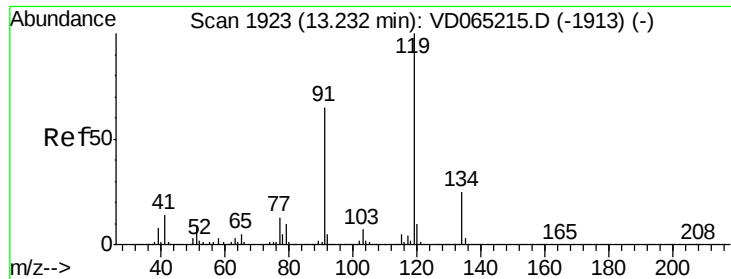
126 35.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





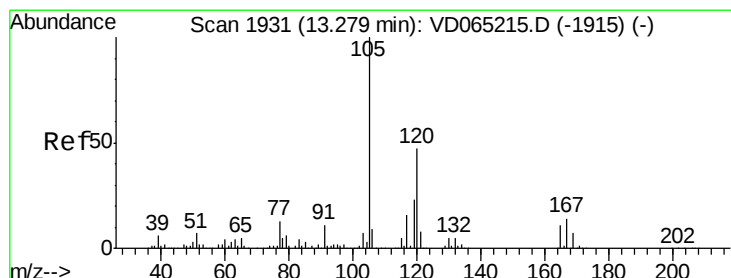
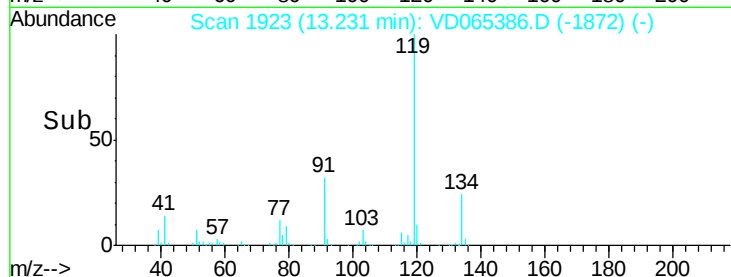
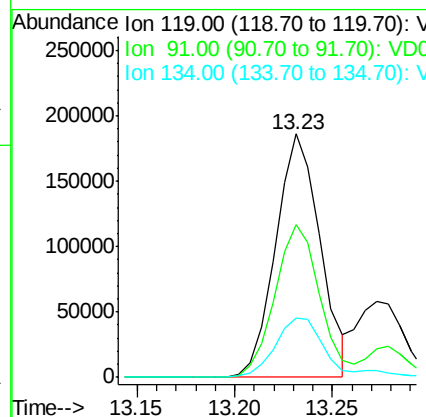
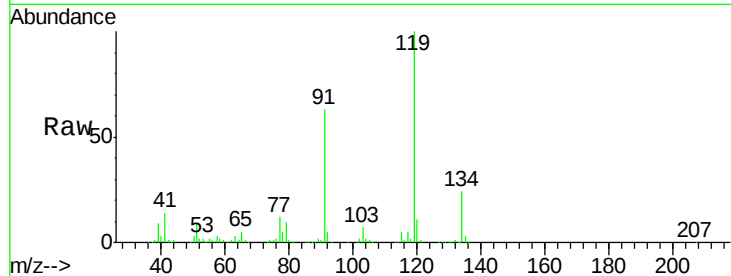
#83
tert-Butylbenzene
Concen: 20.401 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293823		
91	63.5		31.9	95.5
134	28.0		13.8	41.3

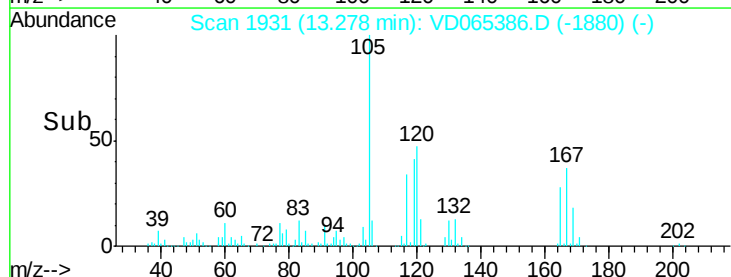
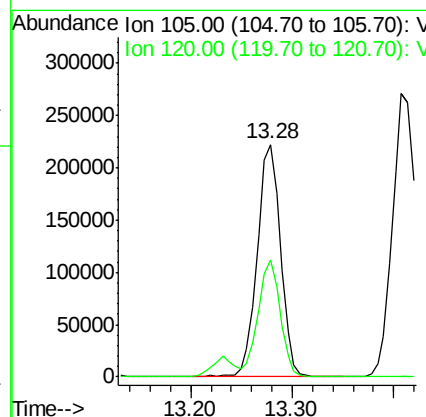
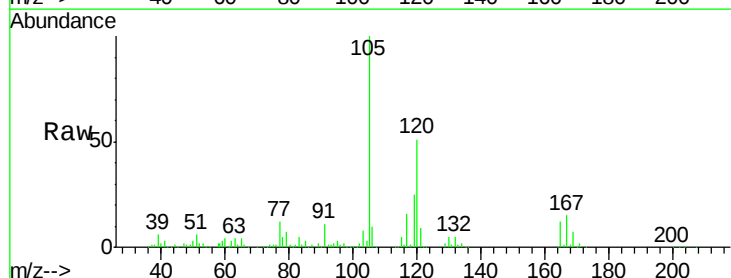
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 20.747 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	356859		
120	47.8		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.807 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD0303SBS01

Tot Ion:105 Resp: 431822

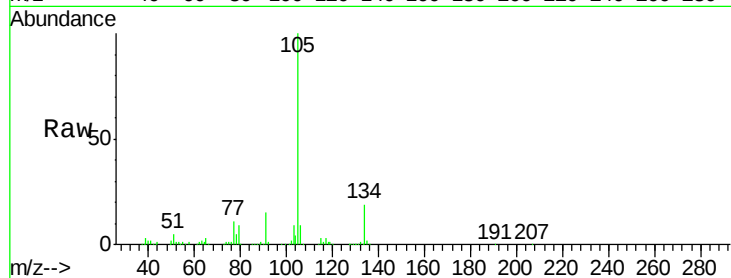
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9

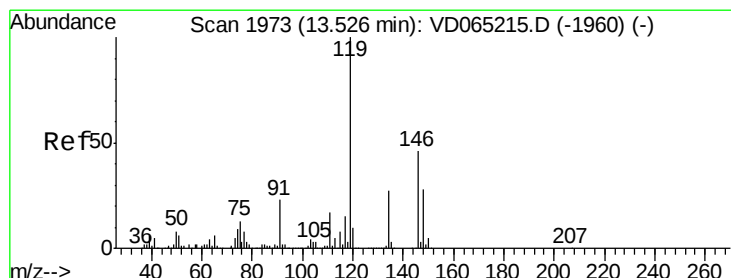
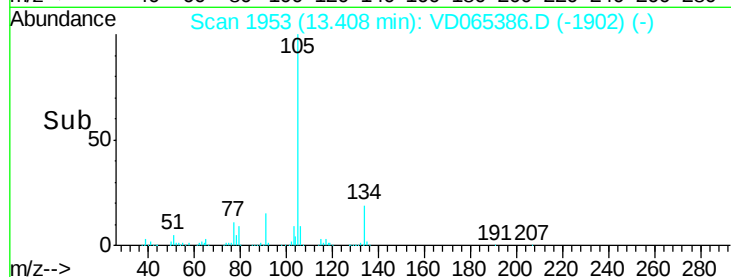
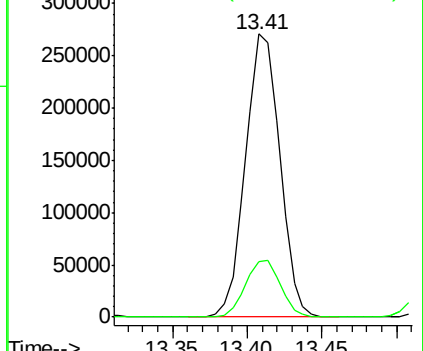
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.824 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

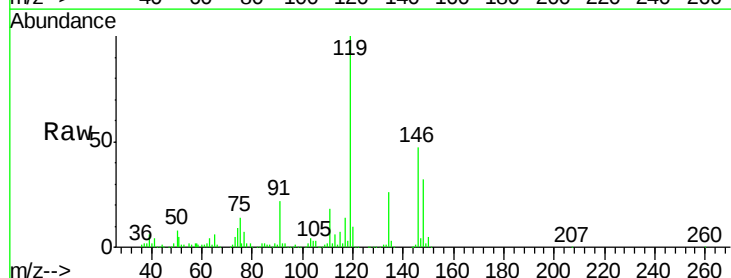
Tgt Ion:119 Resp: 395214

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

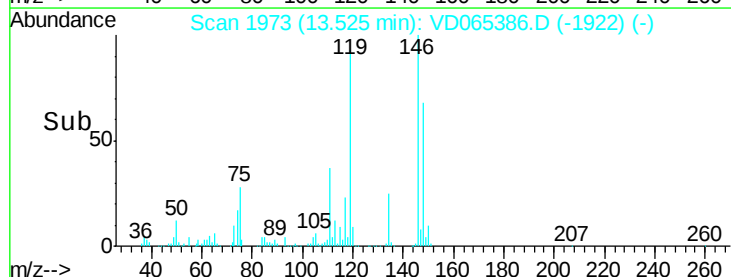
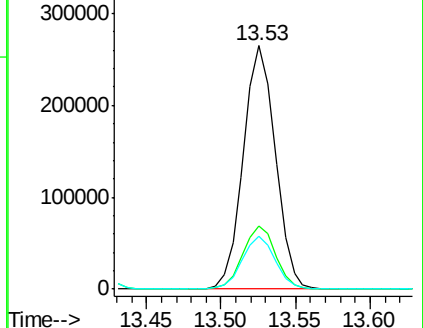
91 21.8 11.1 33.1

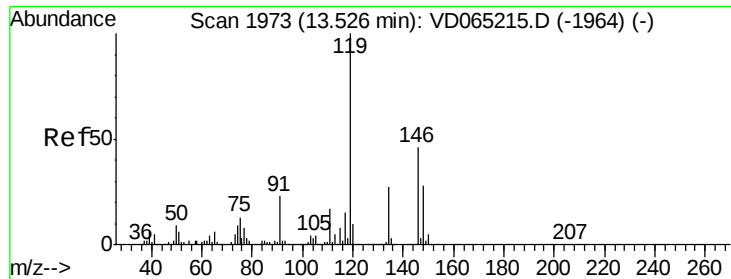


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





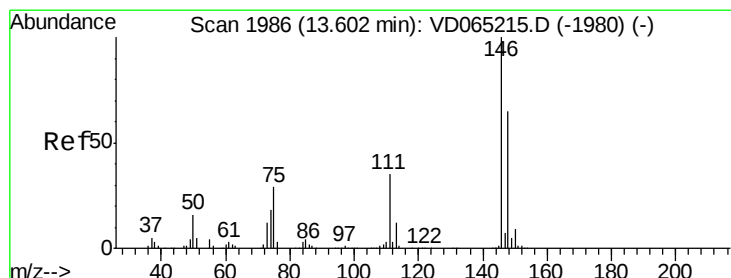
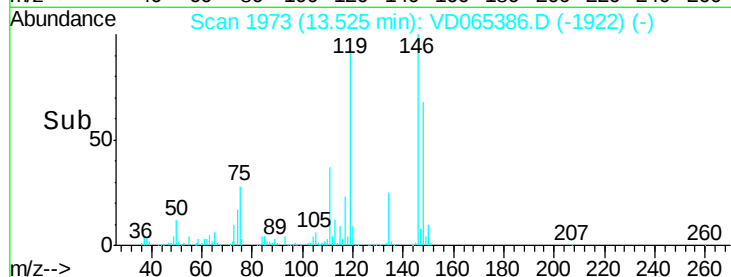
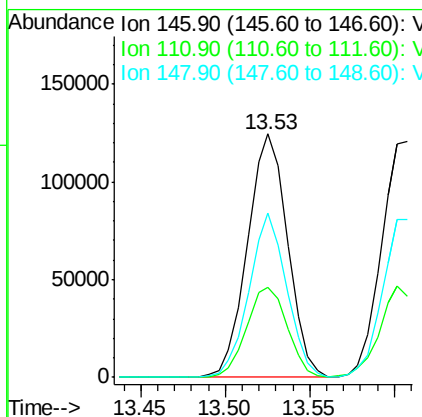
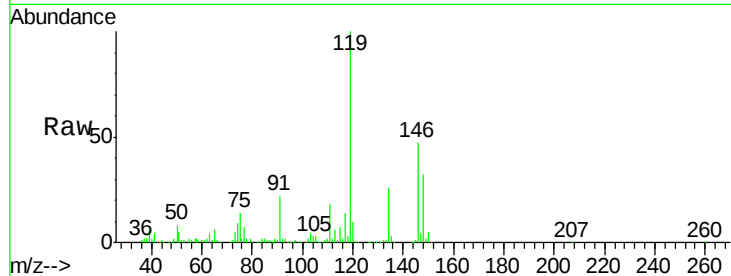
#87
 1,3-Dichlorobenzene
 Concen: 20.545 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	63.7	31.4	94.3

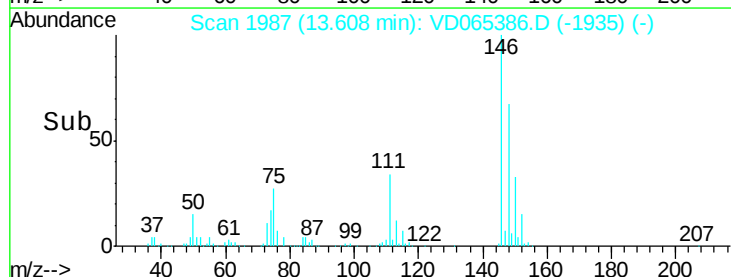
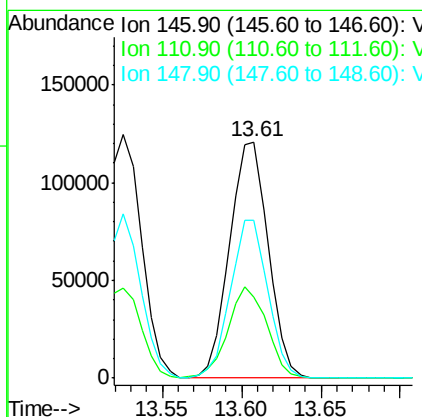
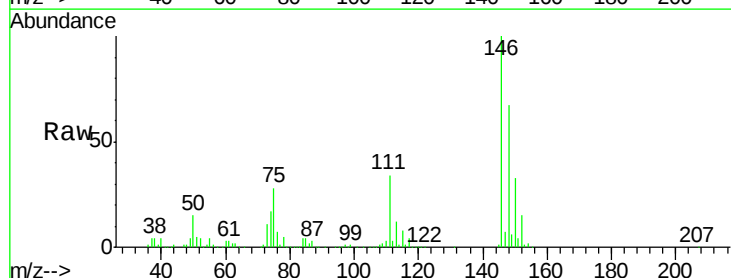
Manual Integrations
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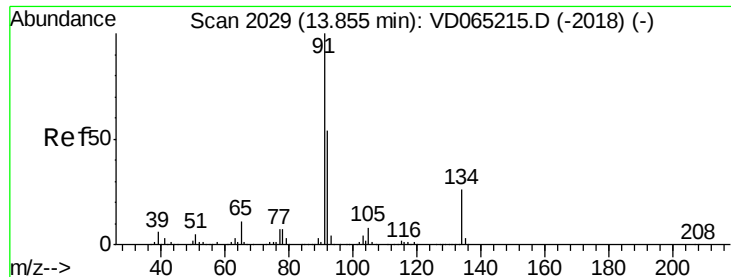
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#88
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.4	55.2
148	65.0	32.1	96.5





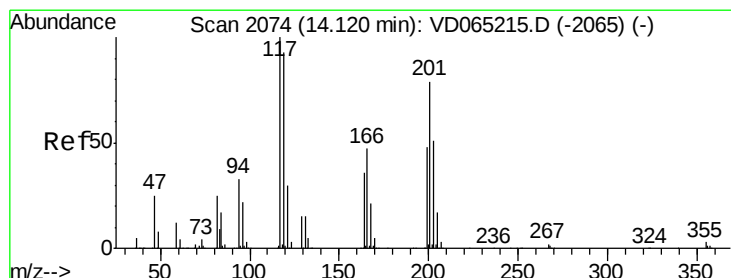
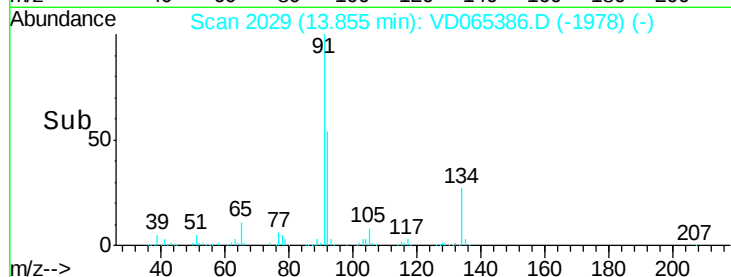
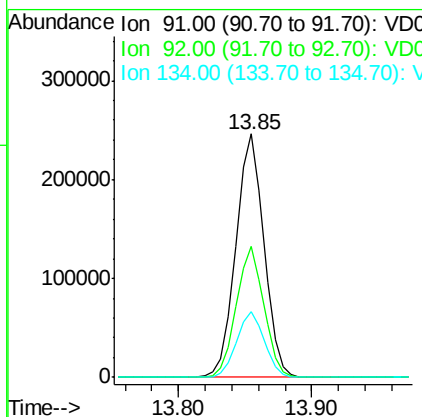
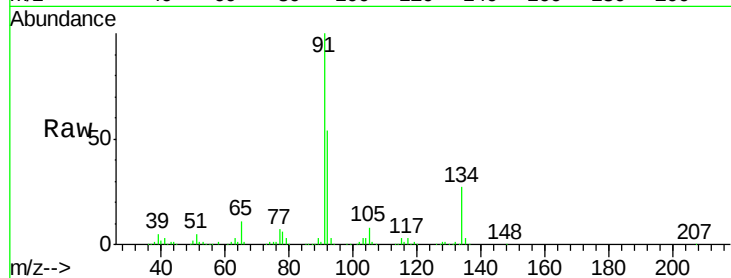
#89
n-Butylbenzene
Concen: 20.530 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	27.0	80.8	
134	26.7	13.5	40.4	

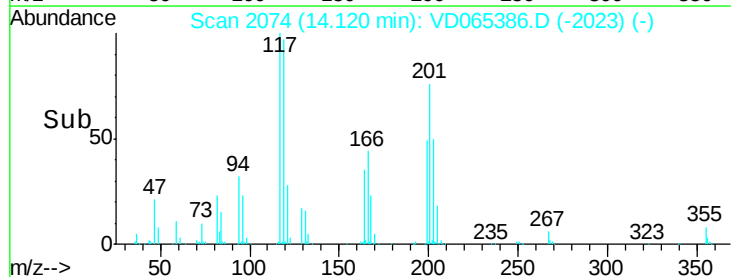
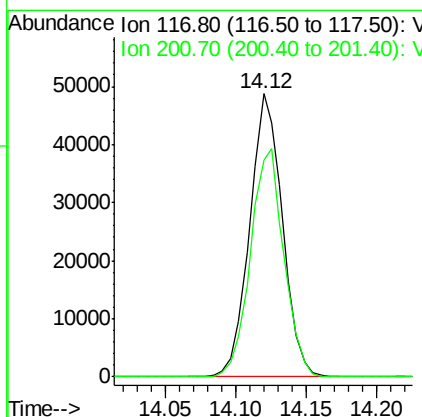
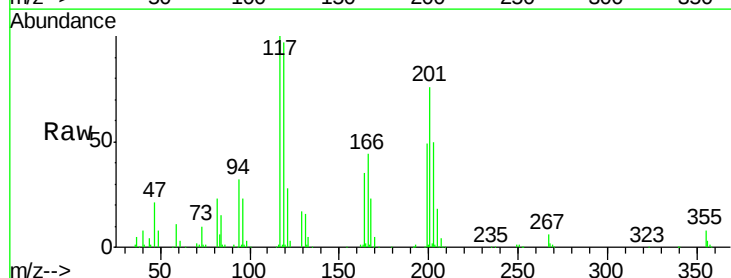
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#90
Hexachloroethane
Concen: 20.564 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065386.D
Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.2	41.3	124.1	





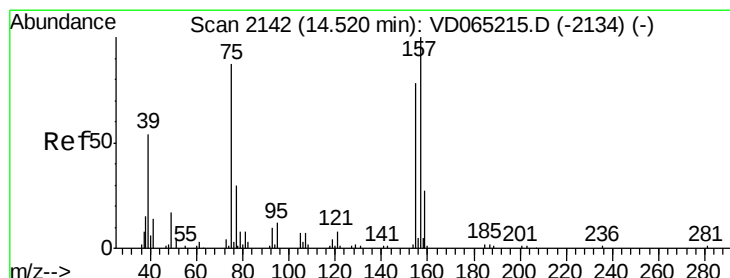
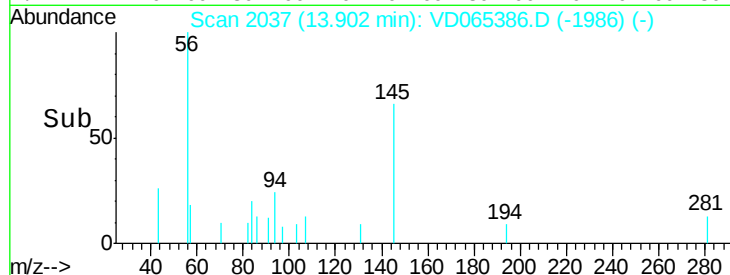
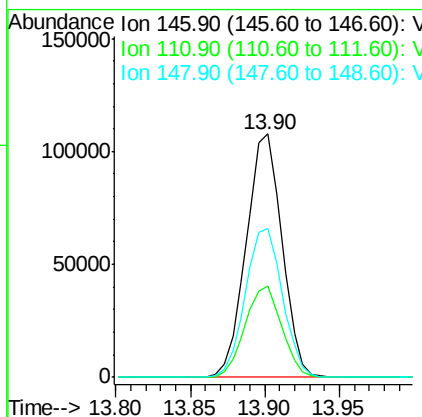
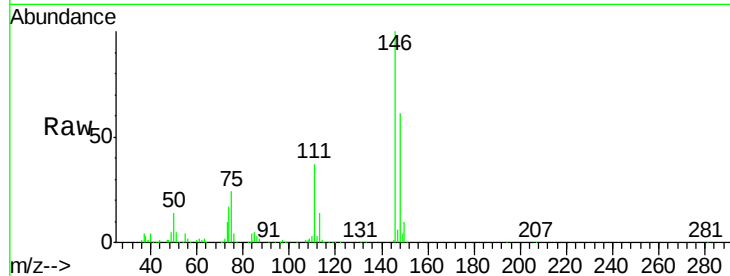
#91
 1,2-Dichlorobenzene
 Concen: 20.764 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178572		
111	38.3	19.7	59.0	
148	63.5	32.0	96.2	

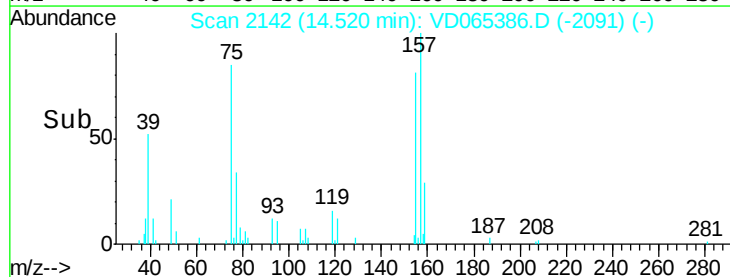
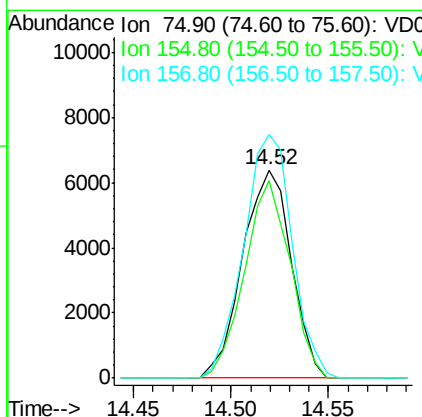
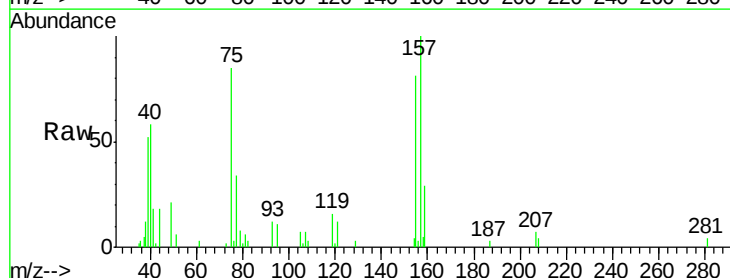
Manual Integrations
 APPROVED

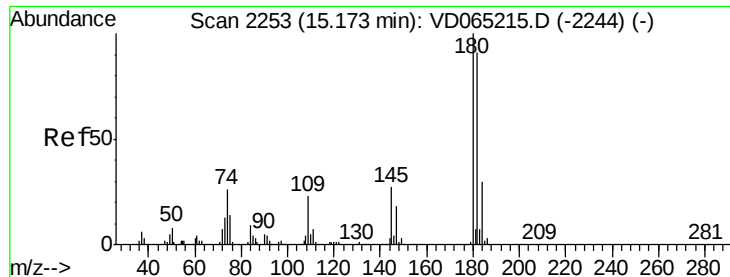
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.044 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11051		
155	88.7	42.3	126.9	
157	117.0	56.7	170.1	





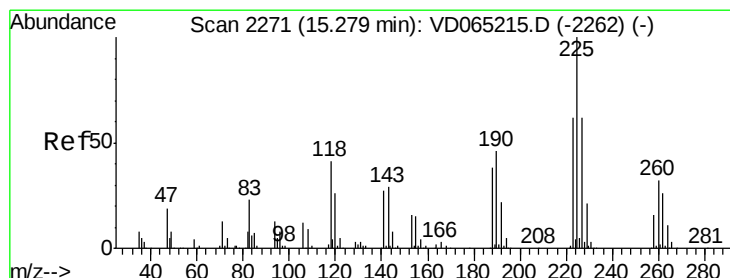
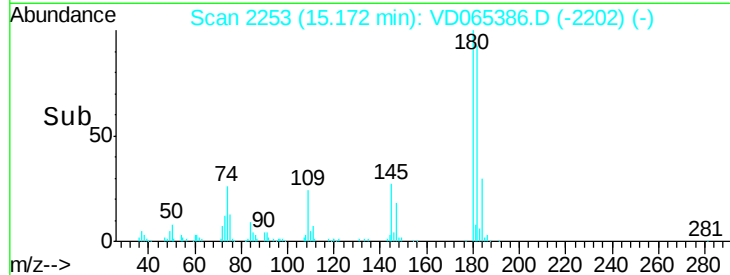
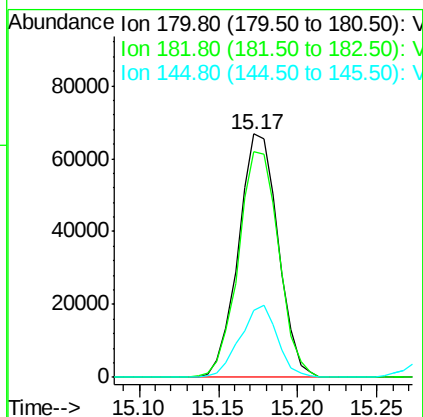
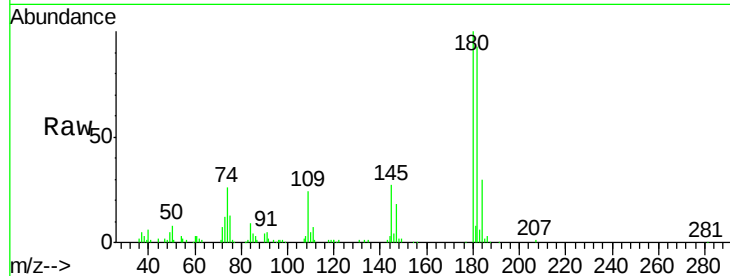
#93
 1,2,4-Trichlorobenzene
 Concen: 20.625 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116024		
182	94.5	46.9	140.6	
145	28.1	13.9	41.7	

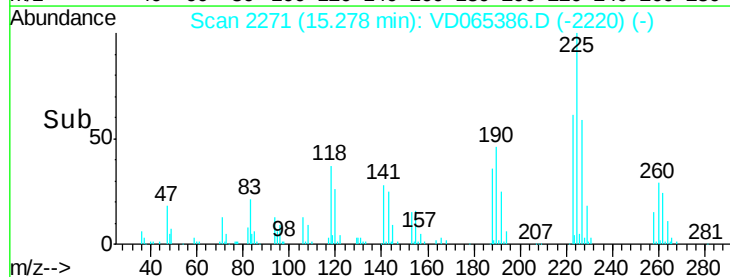
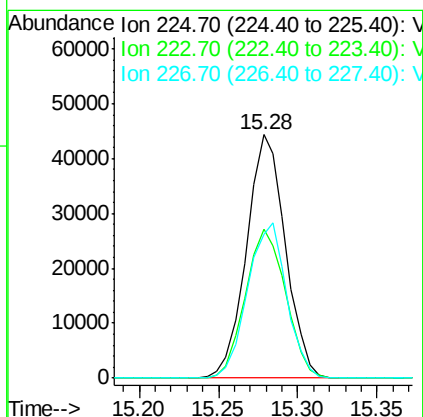
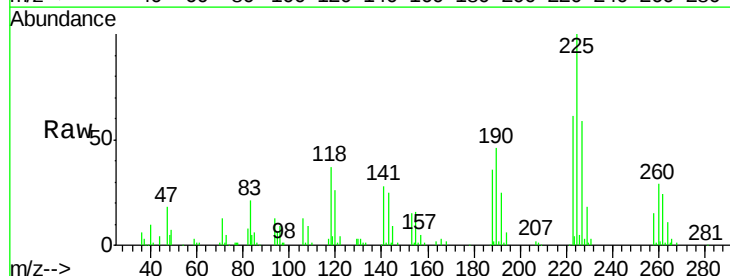
Manual Integrations
 APPROVED

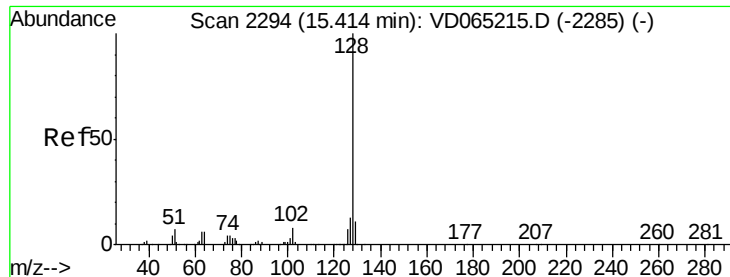
MMDadoda
 3/4/2020 2:01:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.892 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065386.D
 Acq: 03 Mar 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75390		
223	63.4	31.4	94.2	
227	64.2	31.7	95.1	





#95

Naphthalene

Concen: 19.556 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Instrument :

MSVOA_D

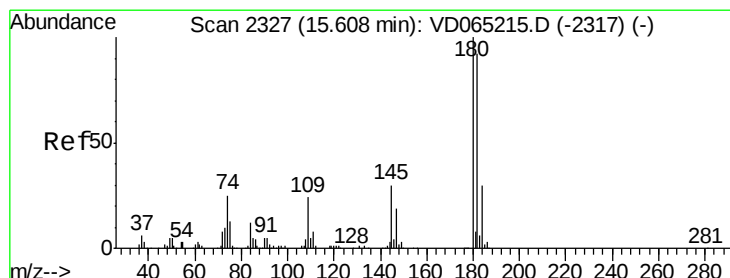
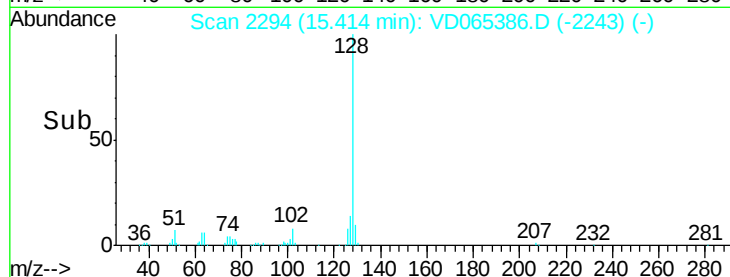
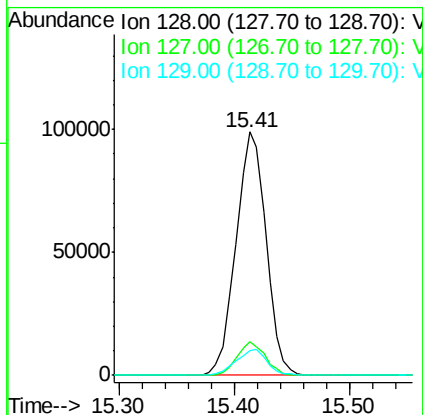
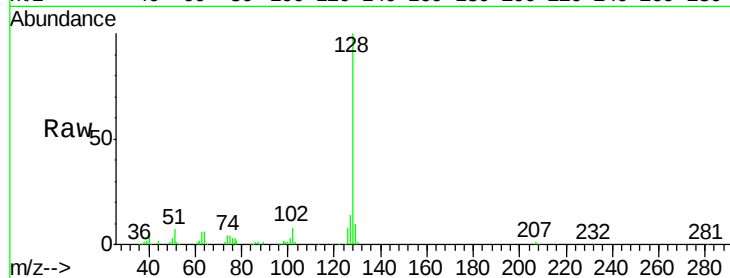
ClientSampleId :

VD0303SBS01

Tot Ion:	128	Resp:	178842
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.723 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065386.D

Acq: 03 Mar 2020 11:20

Tgt Ion:	180	Resp:	101813
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.9	140.6
145	30.4	15.4	46.1

