

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065390.D
 Acq On : 03 Mar 2020 13:11
 Operator : VA/SY
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Manual Integrations
 APPROVED

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 3/4/2020 2:01:32 PM

Quant Time: Mar 04 06:16:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	413449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	633215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	575248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200712	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.92	113	212731	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.34	98	797885	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.64	95	253160	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21705	6.259	ug/l	98
3) Chloromethane	2.21	50	25443	5.764	ug/l	97
4) Vinyl Chloride	2.35	62	24781	5.521	ug/l	97
5) Bromomethane	2.77	94	17209	6.341	ug/l	98
6) Chloroethane	2.93	64	15478	5.650	ug/l	91
7) Trichlorofluoromethane	3.27	101	39426	6.136	ug/l	99
8) Diethyl Ether	3.70	74	10575	5.452	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	24301	5.989	ug/l	98
10) Methyl Iodide	4.30	142	20845	4.947	ug/l	98
11) Tert butyl alcohol	5.26	59	5117	23.023	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	22141	5.776	ug/l	91
13) Acrolein	3.93	56	7570	22.879	ug/l	92
14) Allyl chloride	4.71	41	33988	5.460	ug/l	95
15) Acrylonitrile	5.44	53	22708	26.443	ug/l	98
16) Acetone	4.17	43	22948	25.240	ug/l	95
17) Carbon Disulfide	4.40	76	71305	5.548	ug/l	96
18) Methyl Acetate	4.73	43	16194	7.919	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	38746	4.847	ug/l	96
20) Methylene Chloride	4.97	84	45822	9.928	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	25055	5.750	ug/l	90
22) Diisopropyl ether	6.37	45	56932	4.744	ug/l	99
23) Vinyl Acetate	6.31	43	121683	18.393	ug/l	100
24) 1,1-Dichloroethane	6.27	63	41691	5.601	ug/l	98
25) 2-Butanone	7.22	43	26482	23.021	ug/l	96
26) 2,2-Dichloropropane	7.21	77	36641	5.674	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	25183	5.456	ug/l	96
28) Bromochloromethane	7.55	49	16794	6.082	ug/l	98
29) Tetrahydrofuran	7.58	42	16206	24.044	ug/l	96
30) Chloroform	7.71	83	43750	5.834	ug/l	97
31) Cyclohexane	7.98	56	41923	5.732	ug/l #	68
32) 1,1,1-Trichloroethane	7.91	97	38819	5.786	ug/l	99
36) 1,1-Dichloropropene	8.11	75	32766	5.318	ug/l	98
37) Ethyl Acetate	7.30	43	13639	5.295	ug/l #	93
38) Carbon Tetrachloride	8.10	117	36063	5.750	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	34624	4.780	ug/l	91
40) Benzene	8.35	78	96587	5.554	ug/l	91
41) Methacrylonitrile	7.54	41	7753	5.213	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	25757	5.387	ug/l	99
43) Isopropyl Acetate	8.46	43	22358	4.773	ug/l	94
44) Trichloroethene	9.11	130	26919	5.584	ug/l	98
45) 1,2-Dichloropropane	9.39	63	24365	5.634	ug/l	95
46) Dibromomethane	9.48	93	12893	5.795	ug/l	95
47) Bromodichloromethane	9.67	83	32944	5.618	ug/l	94
48) Methyl methacrylate	9.46	41	8507	3.929	ug/l #	73
49) 1,4-Dioxane	9.46	88	2070	79.325	ug/l #	72
51) 4-Methyl-2-Pentanone	10.23	43	53751	22.594	ug/l	97
52) Toluene	10.41	92	61478	5.711	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	27861	5.126	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	33943	5.172	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	17239	5.505	ug/l	97
56) Ethyl methacrylate	10.67	69	16340	4.521	ug/l	97
57) 1,3-Dichloropropane	10.95	76	28952	5.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	35959	31.555	ug/l	99
59) 2-Hexanone	10.99	43	37153	21.817	ug/l	97
60) Dibromochloromethane	11.14	129	22113	5.517	ug/l	97
61) 1,2-Dibromoethane	11.25	107	15961	5.383	ug/l	99
64) Tetrachloroethene	10.88	164	25844	6.335	ug/l	94
65) Chlorobenzene	11.67	112	65598	5.683	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	23629	5.485	ug/l	98
67) Ethyl Benzene	11.75	91	98303	4.862	ug/l	100
68) m/p-Xylenes	11.86	106	77704	10.046	ug/l	97
69) o-Xylene	12.18	106	32117	4.687	ug/l	95
70) Styrene	12.20	104	57205	4.702	ug/l	99
71) Bromoform	12.37	173	13609	5.693	ug/l #	94
73) Isopropylbenzene	12.48	105	89211	4.693	ug/l	100
74) N-amyl acetate	12.29	43	18429	4.363	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	19181	5.590	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	12211m	4.998	ug/l	
77) Bromobenzene	12.77	156	25541	5.410	ug/l	99
78) n-propylbenzene	12.83	91	114895	5.029	ug/l	100
79) 2-Chlorotoluene	12.91	91	67714	5.291	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	74959	4.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	4919	4.347	ug/l	97
82) 4-Chlorotoluene	13.01	91	70257	5.171	ug/l	98
83) tert-Butylbenzene	13.23	119	62391	4.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	71966	4.592	ug/l	98
85) sec-Butylbenzene	13.41	105	88529	4.681	ug/l	98
86) p-Isopropyltoluene	13.53	119	78951	4.565	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	49723	5.448	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	50378	5.593	ug/l	95
89) n-Butylbenzene	13.86	91	75919	4.764	ug/l	97
90) Hexachloroethane	14.12	117	19063	5.429	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	42106	5.373	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2965	5.608	ug/l	96

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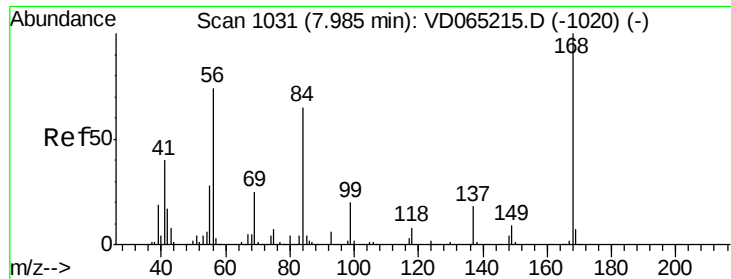
Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26576	5.185	ug/l	98
94) Hexachlorobutadiene	15.28	225	18714	5.691	ug/l	94
95) Naphthalene	15.41	128	34854	4.183	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	22647	5.059	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion:168 Resp: 413449

Ion Ratio Lower Upper

168 100

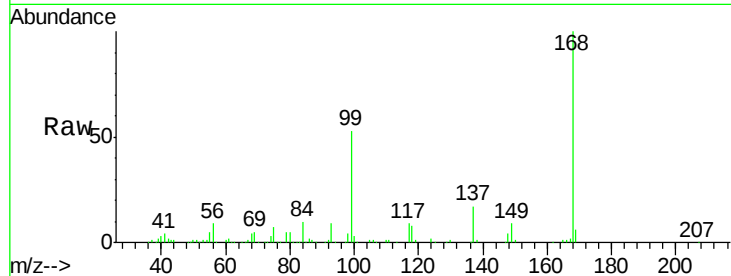
99 52.7 41.4 62.2

Manual Integrations

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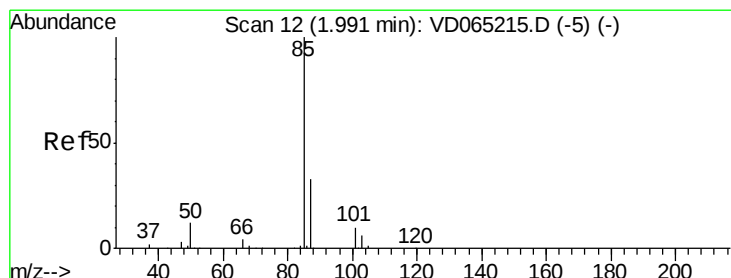
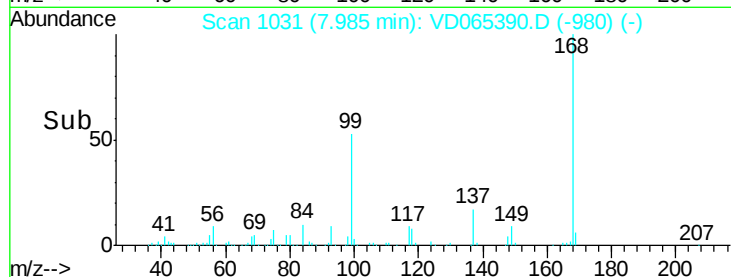
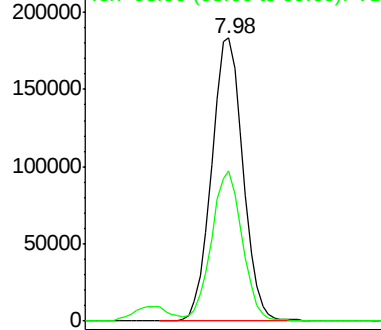
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 6.259 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065390.D

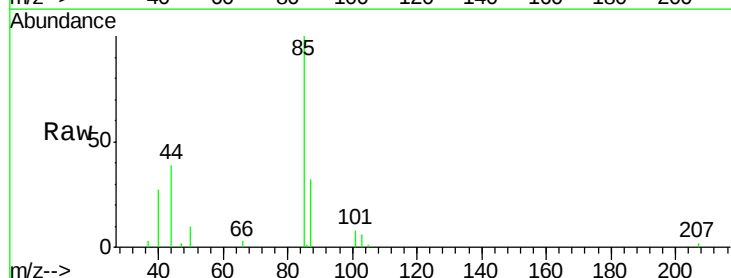
Acq: 03 Mar 2020 13:11

Tgt Ion: 85 Resp: 21705

Ion Ratio Lower Upper

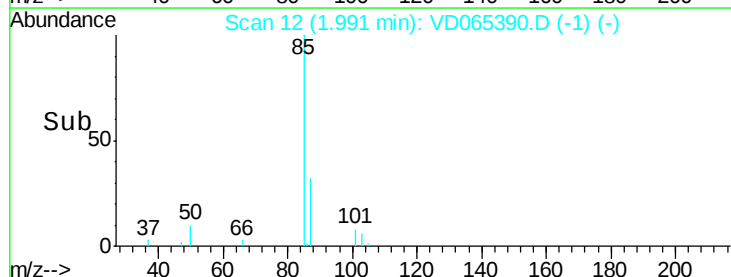
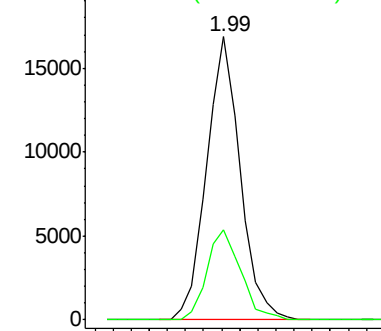
85 100

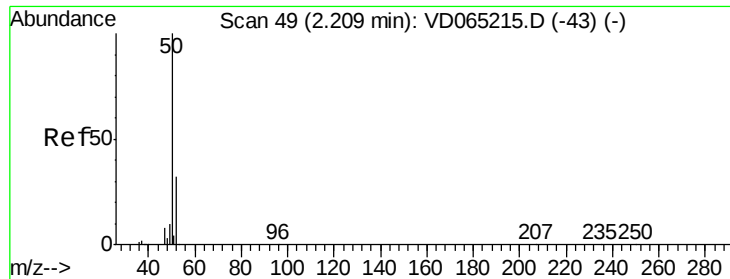
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.764 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 50 Resp: 25443

Ion Ratio Lower Upper

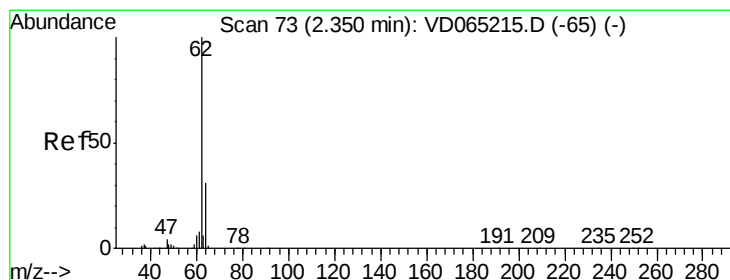
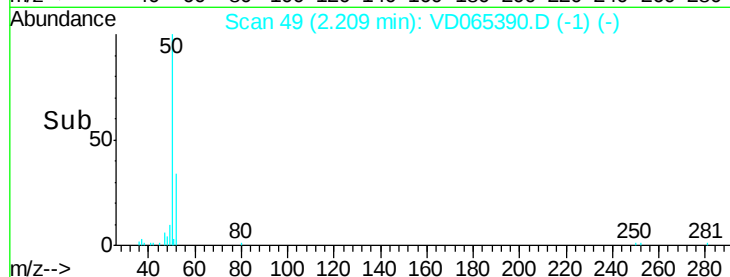
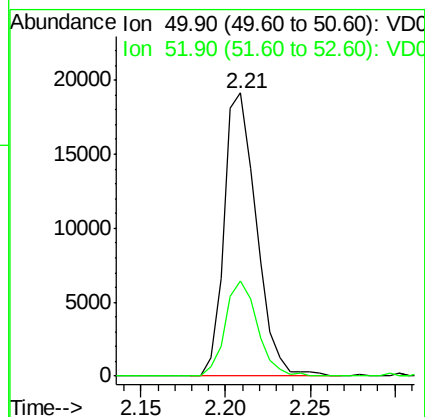
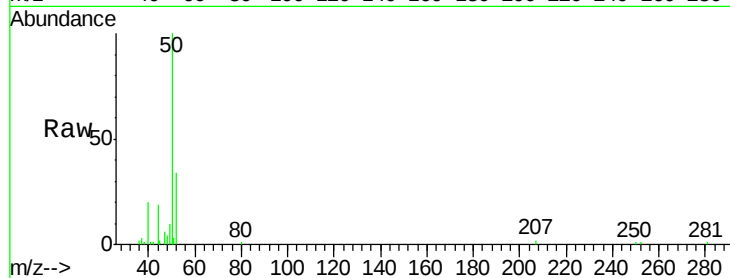
50 100

52 33.7 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.521 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065390.D

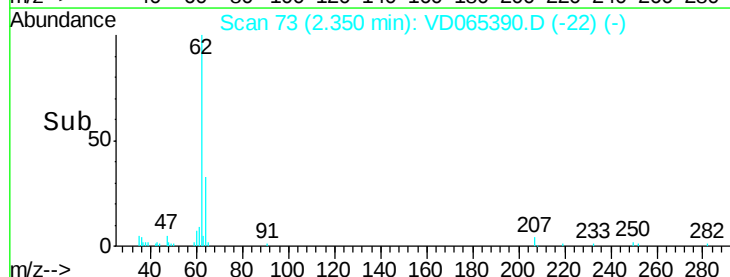
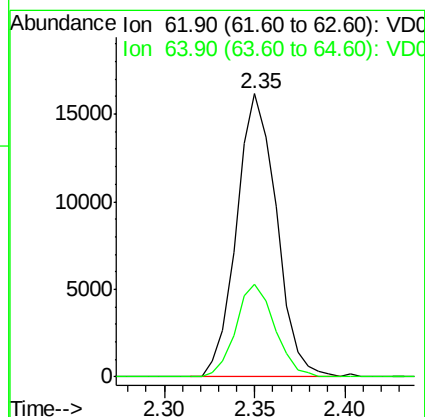
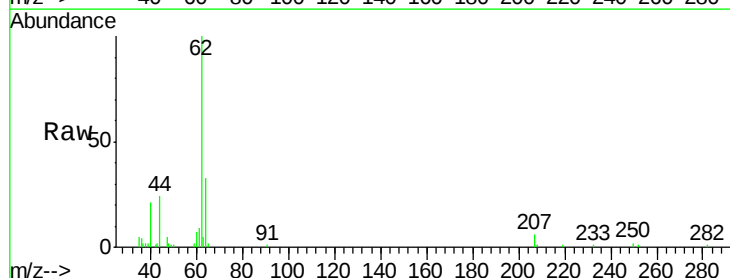
Acq: 03 Mar 2020 13:11

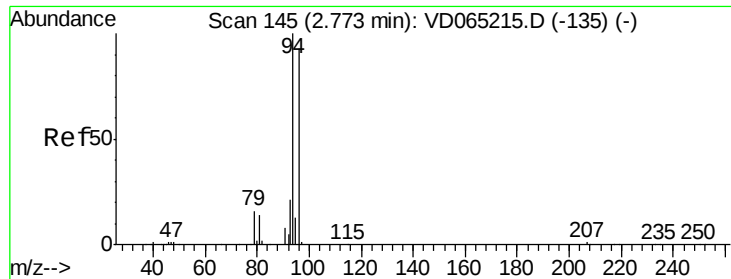
Tgt Ion: 62 Resp: 24781

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.6





#5

Bromomethane

Concen: 6.341 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 94 Resp: 17209

Ion Ratio Lower Upper

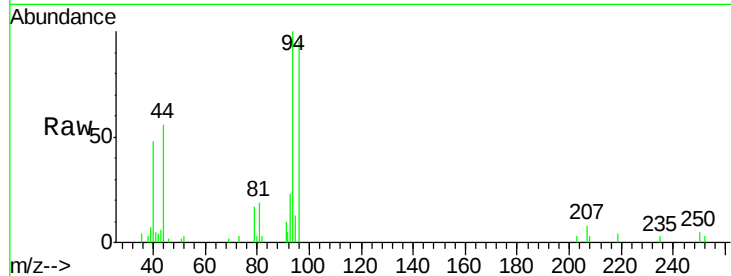
94 100

96 94.7 74.2 111.4

Manual Integrations
APPROVED

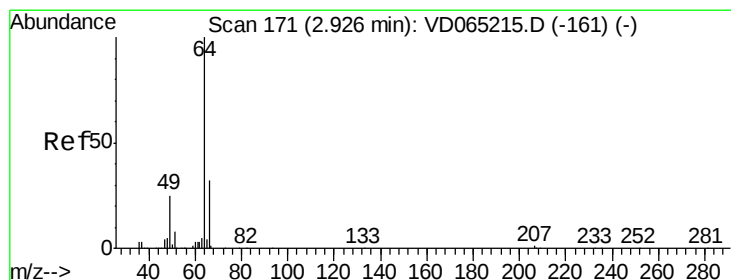
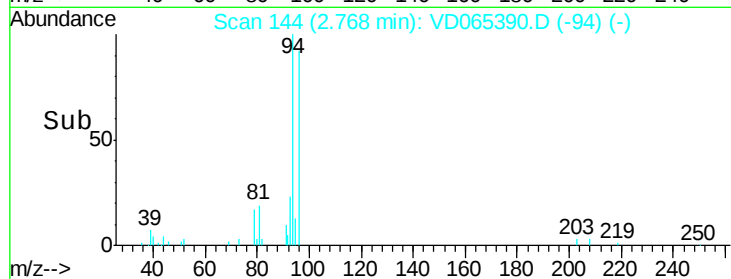
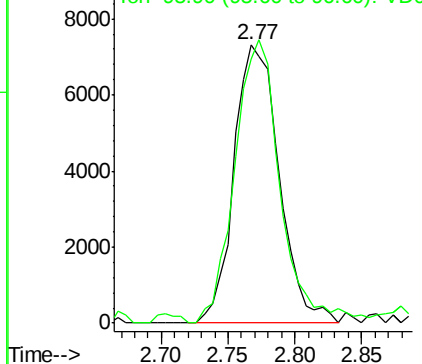
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.650 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065390.D

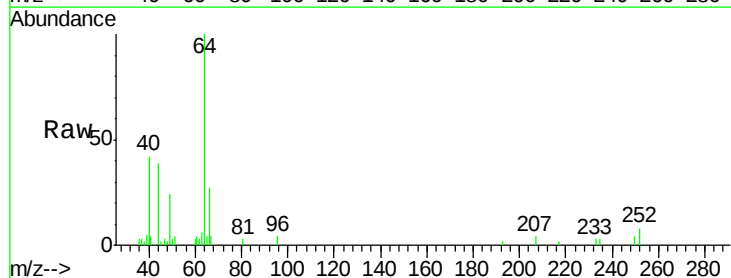
Acq: 03 Mar 2020 13:11

Tgt Ion: 64 Resp: 15478

Ion Ratio Lower Upper

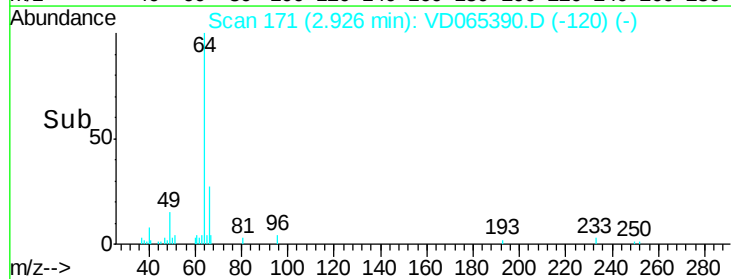
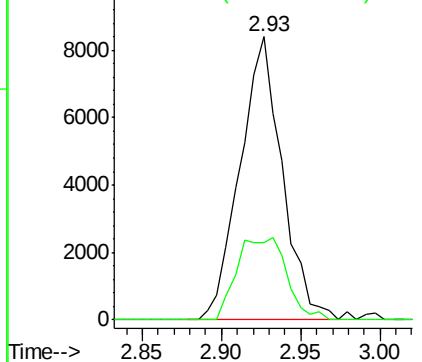
64 100

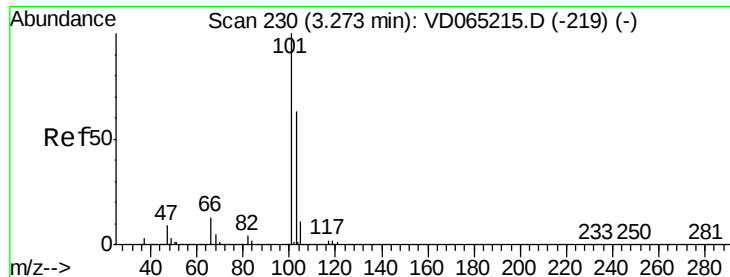
66 27.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

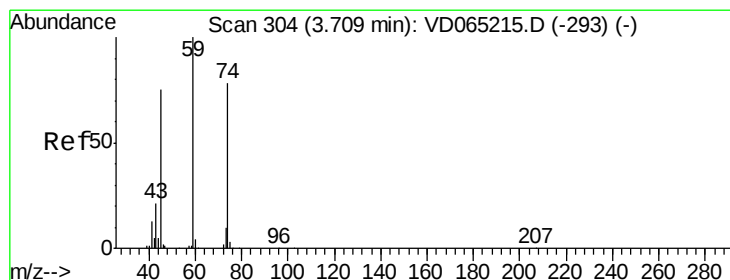
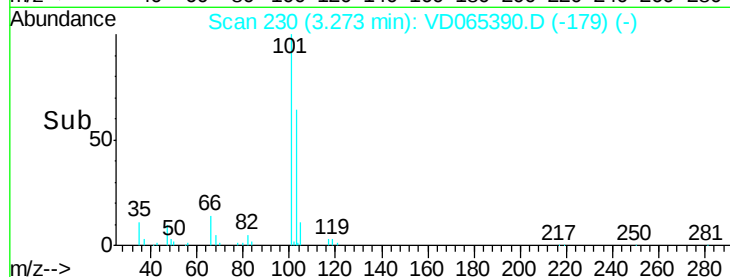
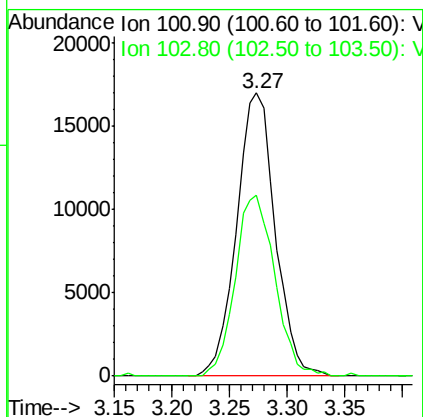
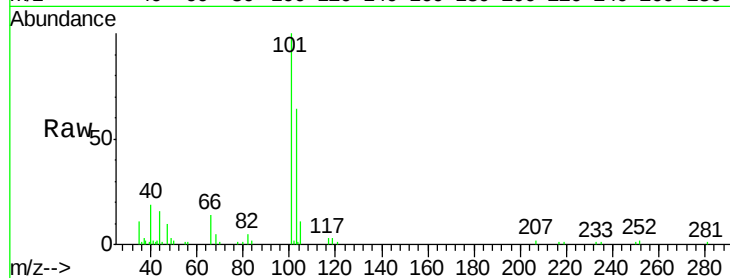
Trichlorofluoromethane
 Concen: 6.136 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
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 VD0306

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.7	76.1

Manual Integrations
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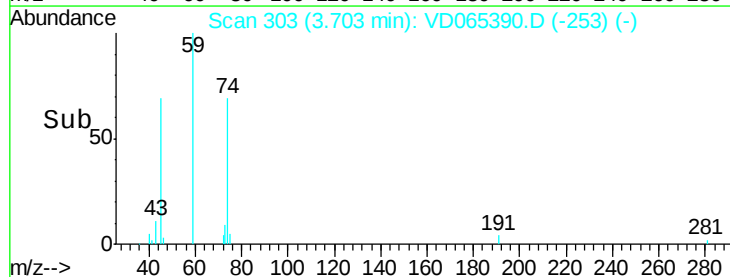
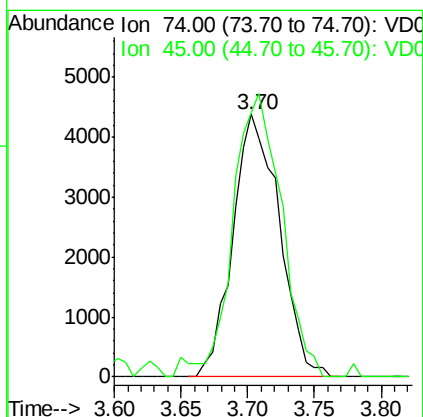
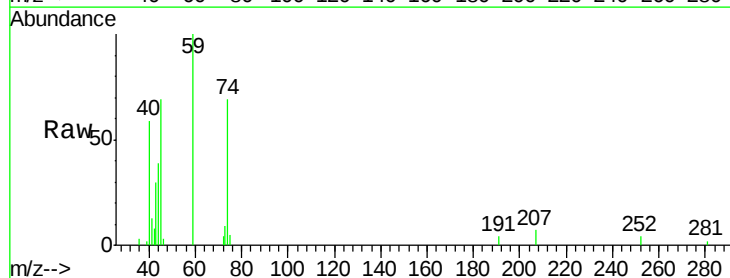
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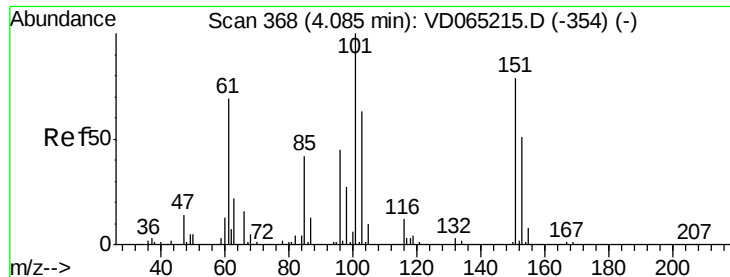


#8

Diethyl Ether
 Concen: 5.452 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.989 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

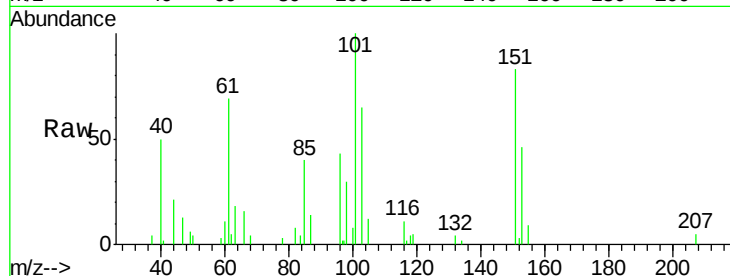
ClientSampled :

VD0306

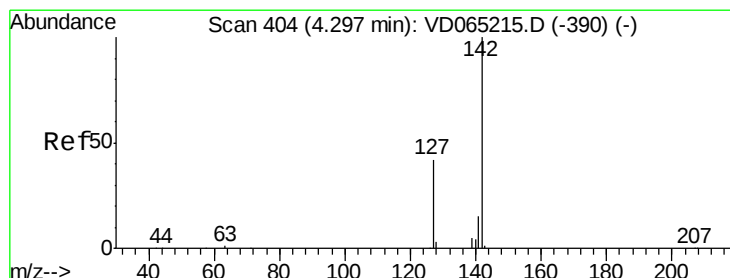
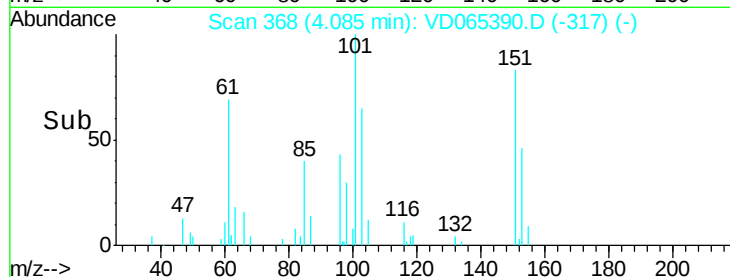
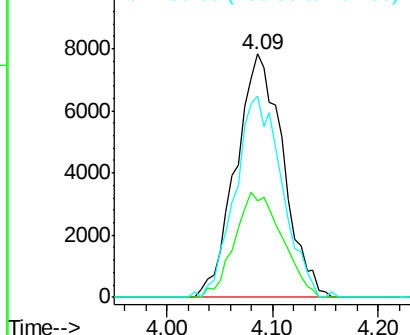
Tot Ion:	101	Resp:	24301
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.2
151	81.8	63.5	95.3

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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: 4.947 ug/l

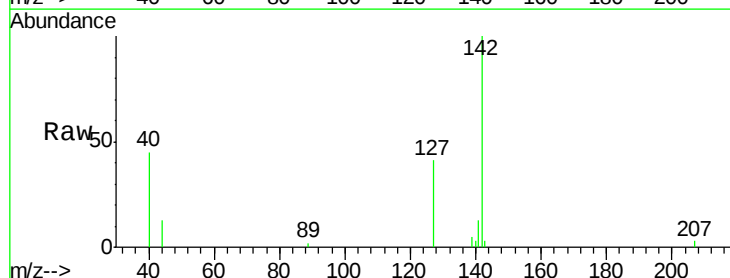
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

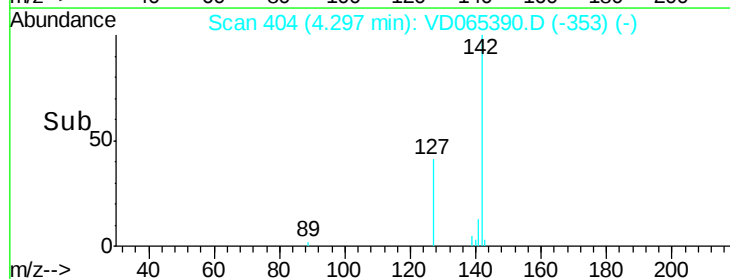
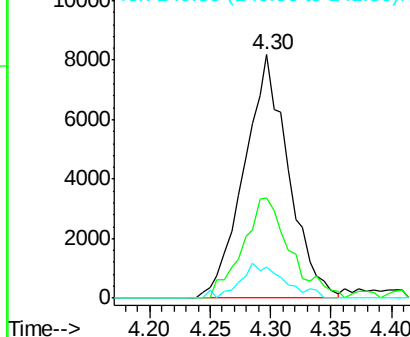
Lab File: VD065390.D

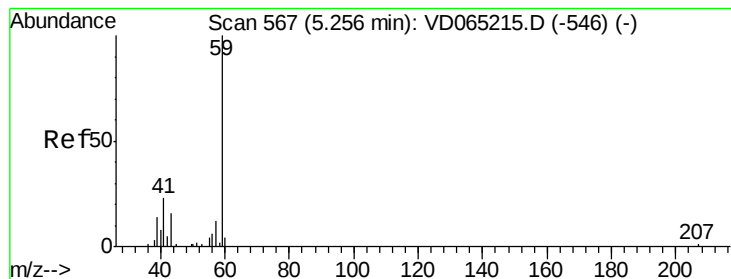
Acq: 03 Mar 2020 13:11

Tgt Ion:	142	Resp:	20845
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.8
141	13.5	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

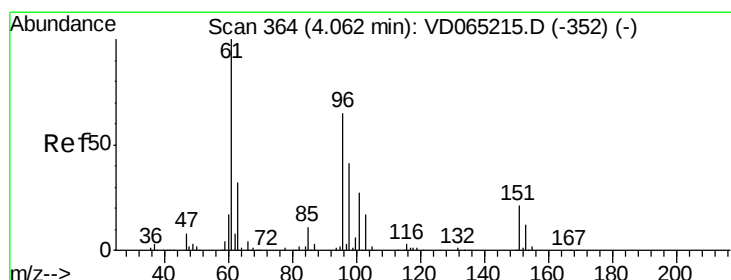
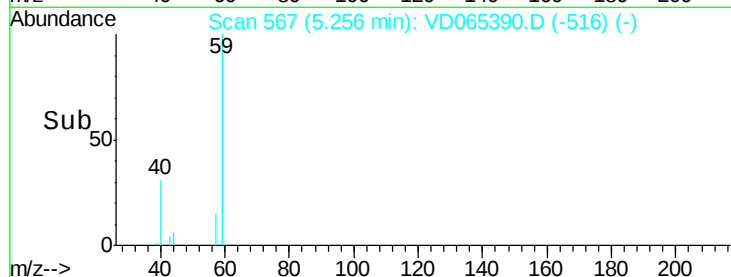
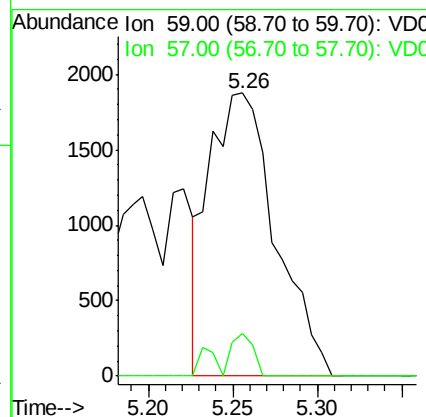
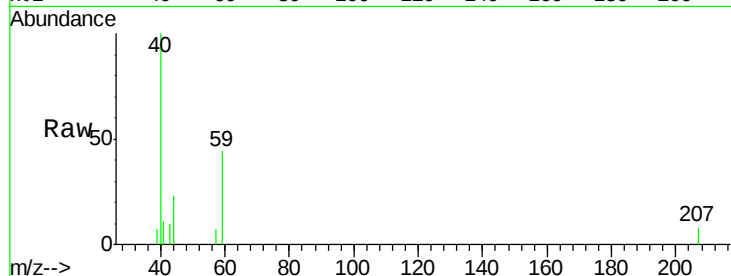
Tert butyl alcohol
Concen: 23.023 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

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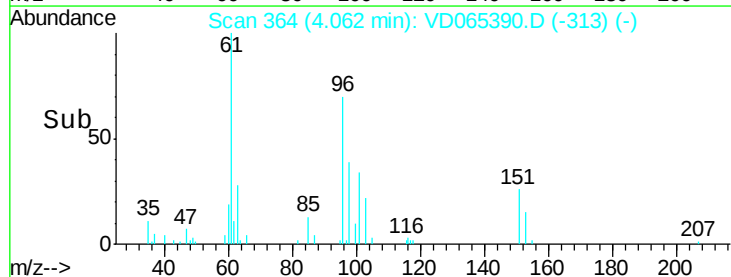
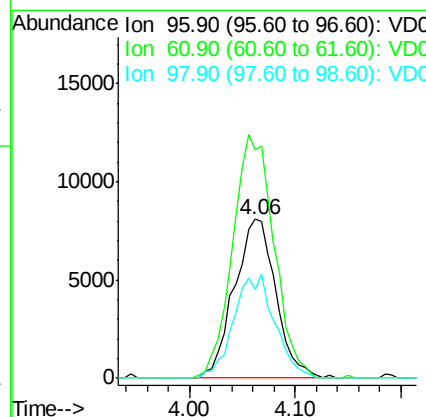
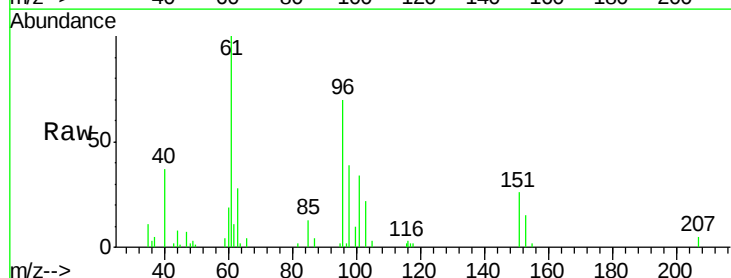
MMDadoda
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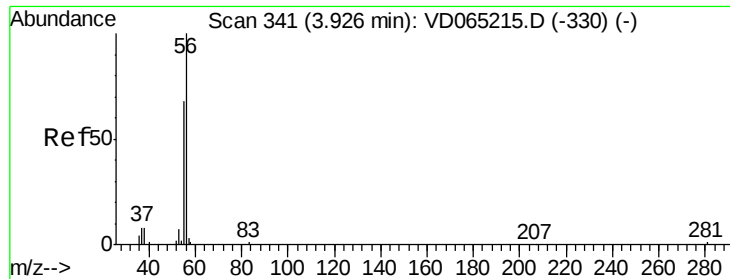


#12

1,1-Dichloroethene
Concen: 5.776 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.7	123.3	184.9
98	56.0	51.0	76.4





#13

Acrolein

Concen: 22.879 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 56 Resp: 7570

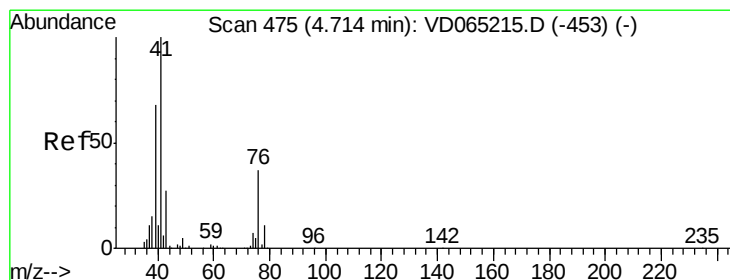
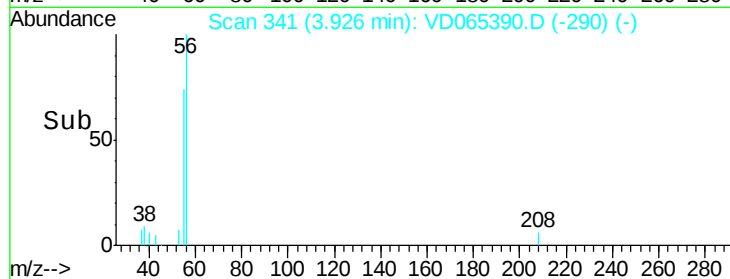
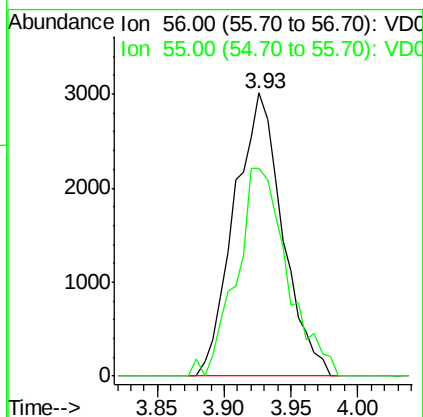
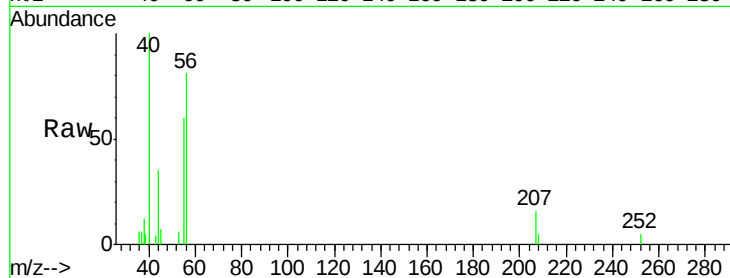
Ion Ratio Lower Upper

56 100

55 77.3 56.6 85.0

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#14

Allyl chloride

Concen: 5.460 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

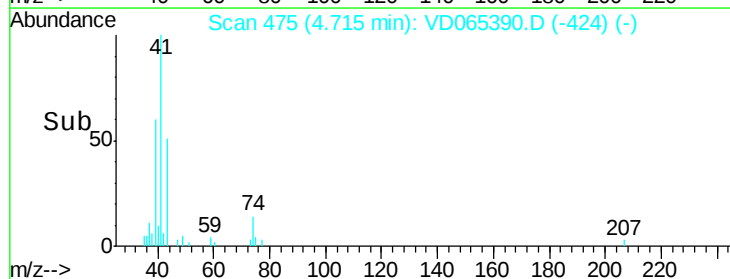
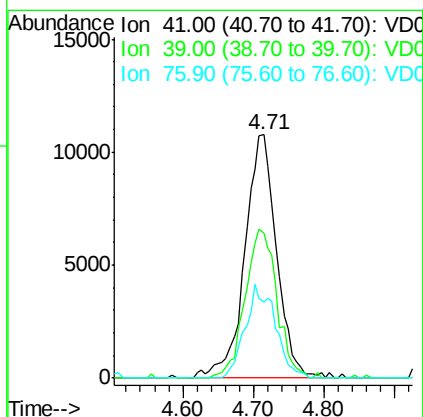
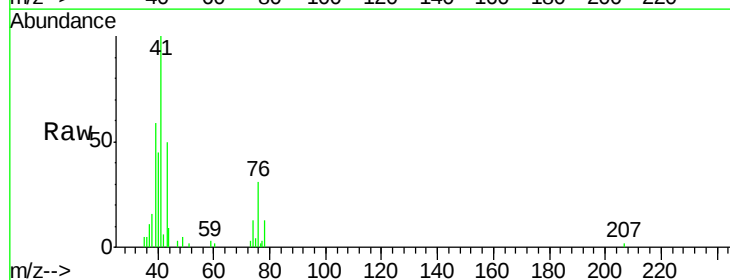
Tgt Ion: 41 Resp: 33988

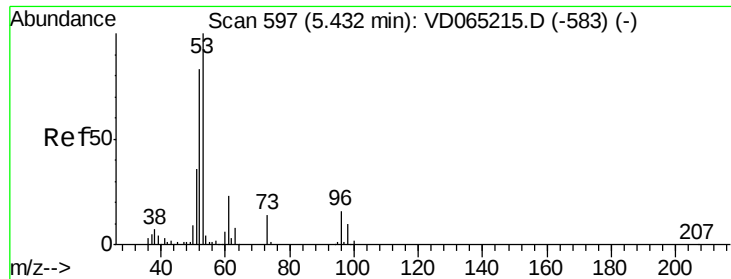
Ion Ratio Lower Upper

41 100

39 61.0 53.8 80.6

76 36.2 28.7 43.1





#15

Acrylonitrile

Concen: 26.443 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

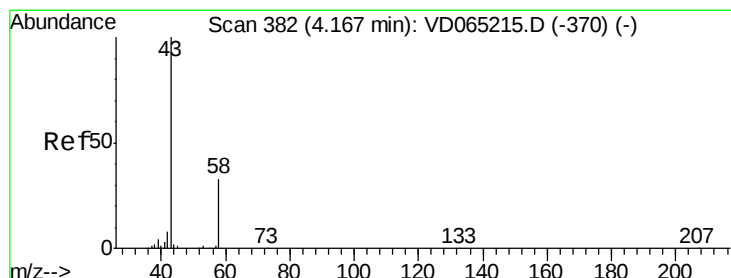
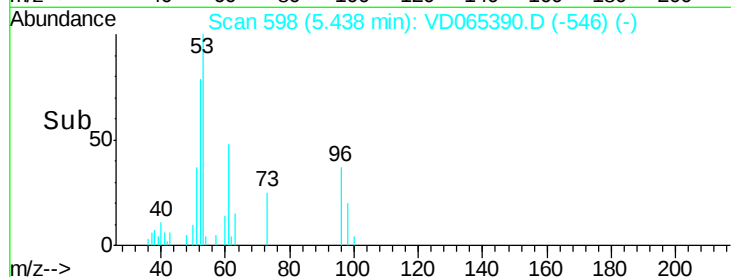
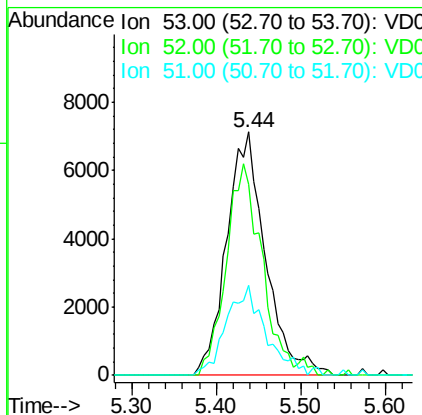
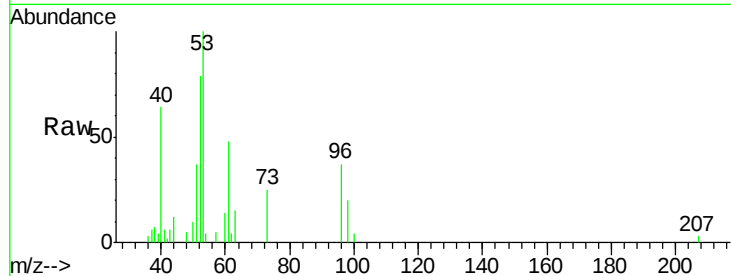
ClientSampleId :

VD0306

Tot Ion:	53	Resp:	22708
Ion	Ratio	Lower	Upper
53	100		
52	79.2	65.4	98.2
51	37.1	29.5	44.3

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#16

Acetone

Concen: 25.240 ug/l

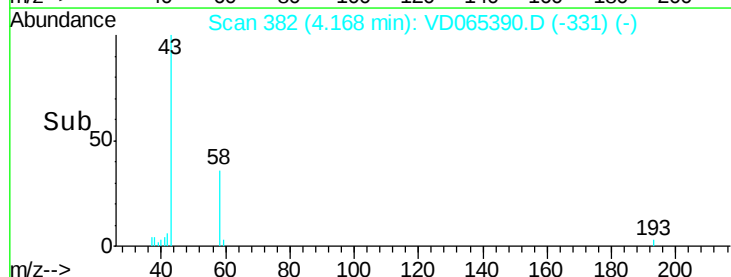
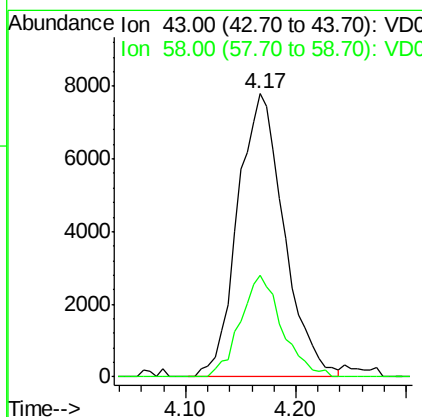
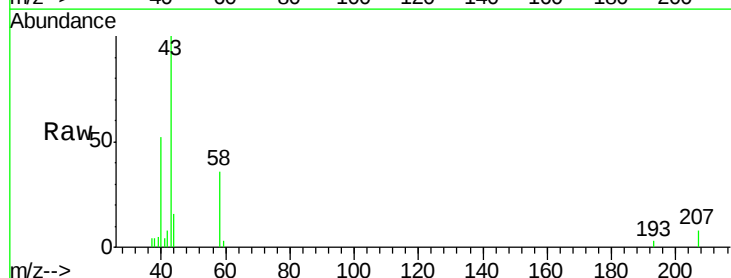
RT: 4.17 min Scan# 382

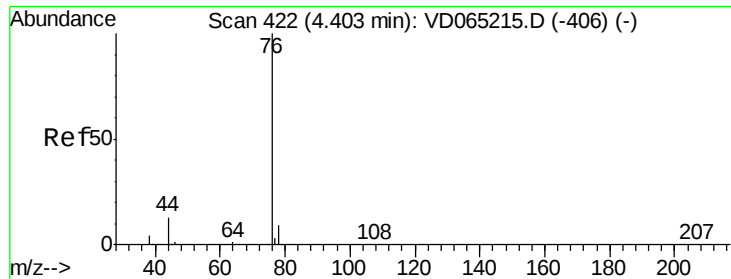
Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	43	Resp:	22948
Ion	Ratio	Lower	Upper
43	100		
58	35.7	26.2	39.2





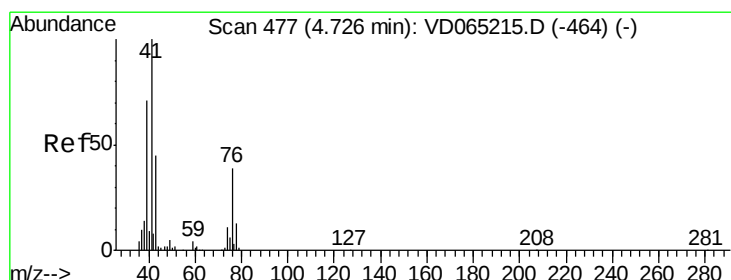
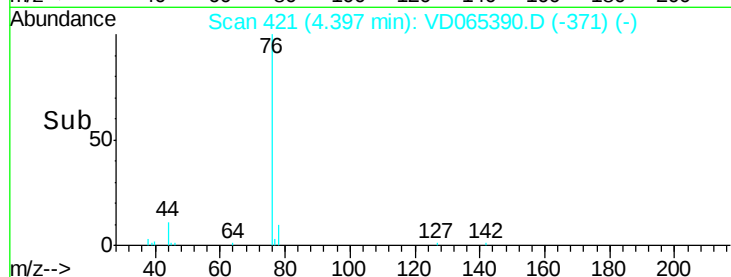
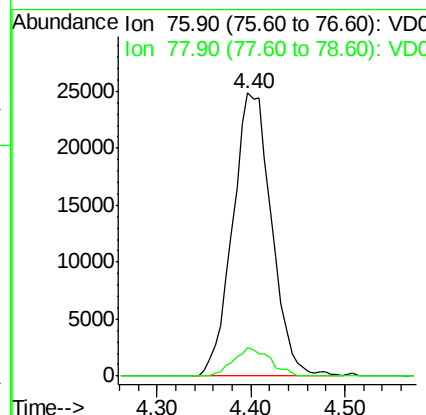
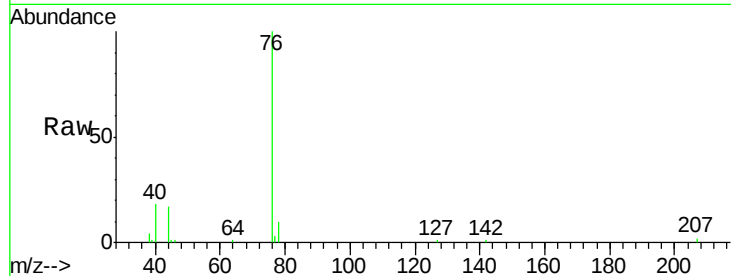
#17
Carbon Disulfide
Concen: 5.548 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	76	Resp	71305
Ion Ratio	Lower	Upper	
76	100		
78	10.3	7.0	10.6

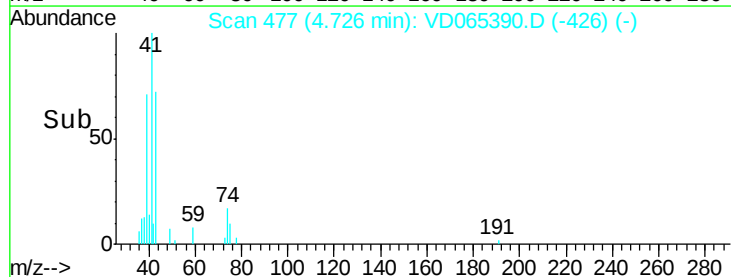
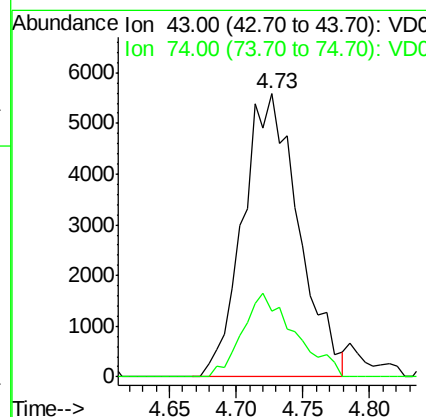
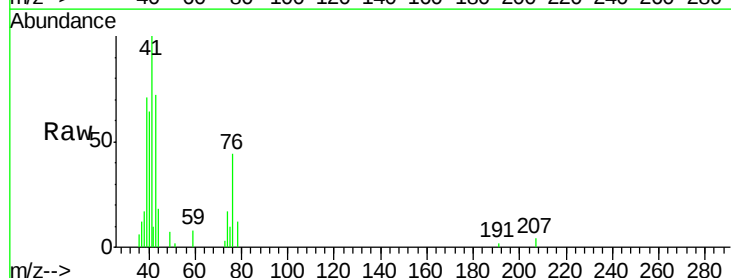
Manual Integrations
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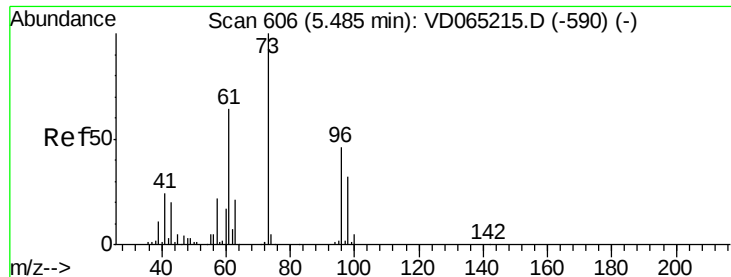
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#18
Methyl Acetate
Concen: 7.919 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	43	Resp	16194
Ion Ratio	Lower	Upper	
43	100		
74	27.7	19.4	29.2





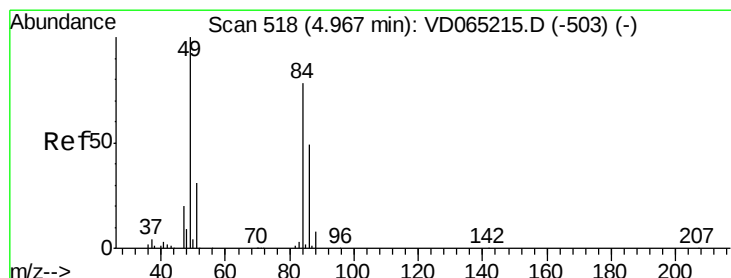
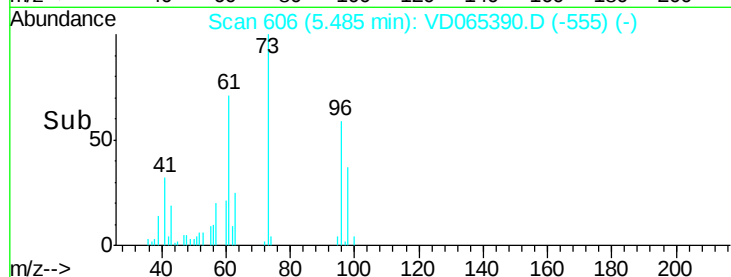
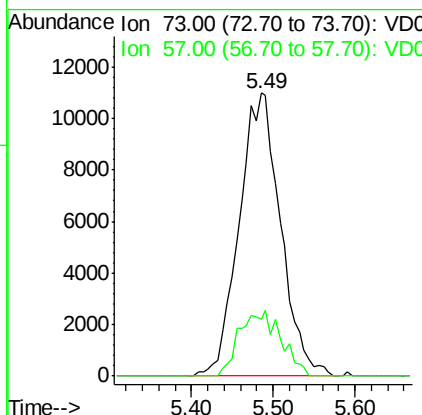
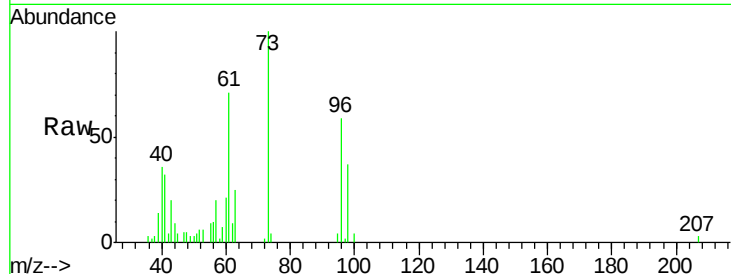
#19
Methyl tert-butyl Ether
Concen: 4.847 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion: 73 Resp: 38746
Ion Ratio Lower Upper
73 100
57 19.9 17.3 25.9

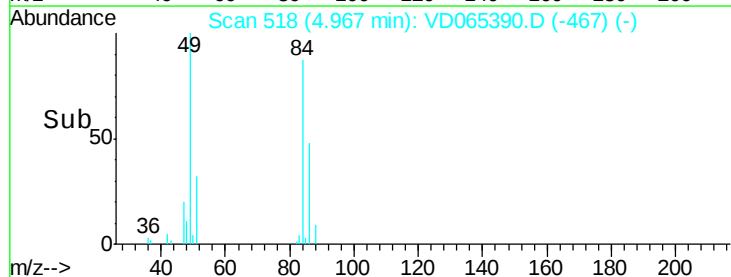
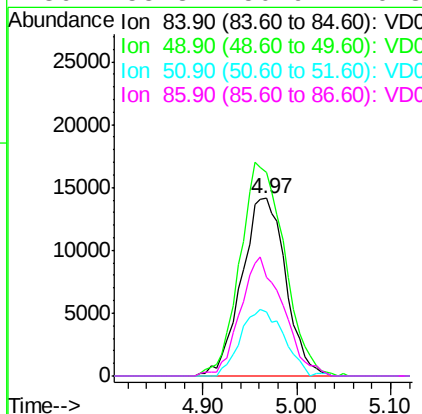
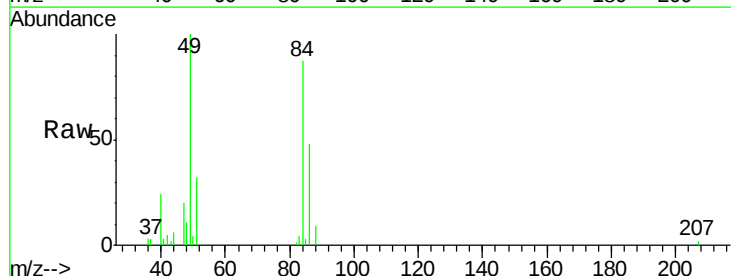
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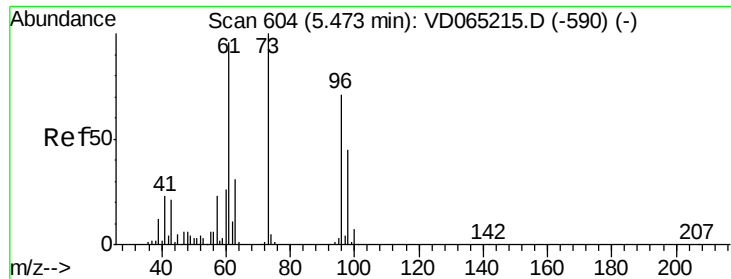
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#20
Methylene Chloride
Concen: 9.928 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion: 84 Resp: 45822
Ion Ratio Lower Upper
84 100
49 114.4 103.1 154.7
51 36.0 31.7 47.5
86 55.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 5.750 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

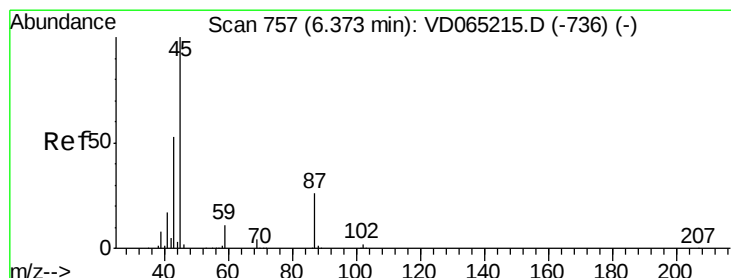
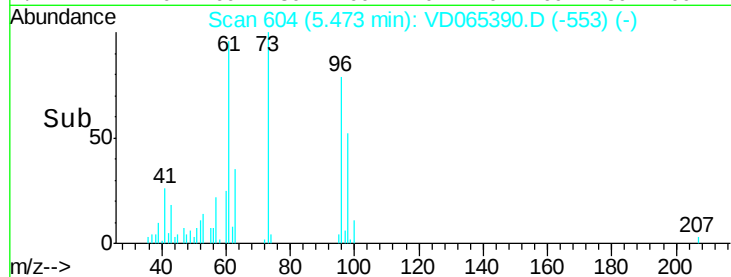
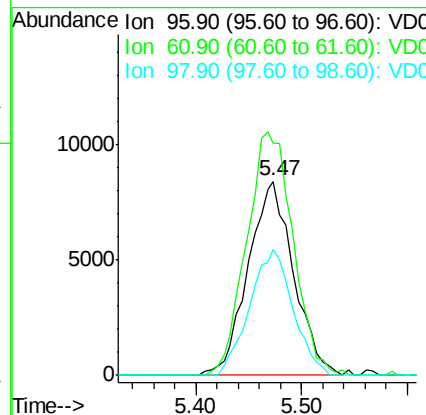
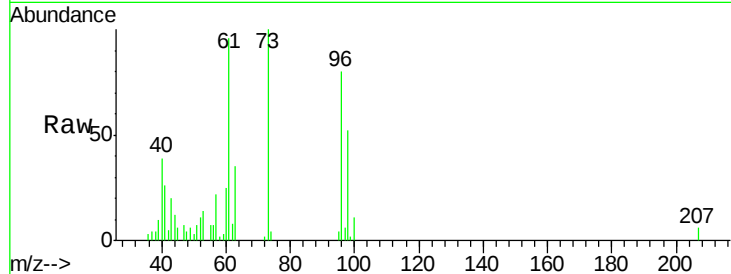
ClientSampleId :

VD0306

Tot Ion:	96	Resp:	25055
Ion	Ratio	Lower	Upper
96	100		
61	119.3	108.3	162.5
98	64.5	50.7	76.1

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#22

Diisopropyl ether

Concen: 4.744 ug/l

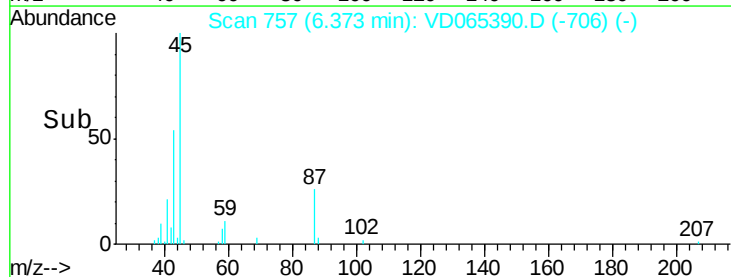
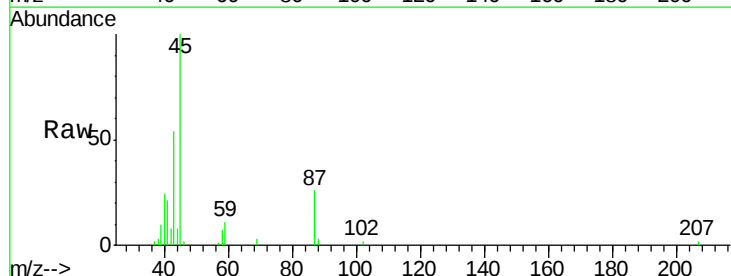
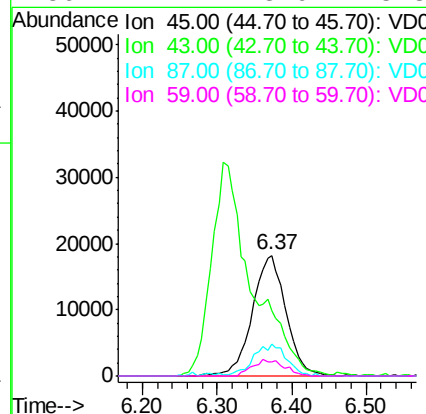
RT: 6.37 min Scan# 757

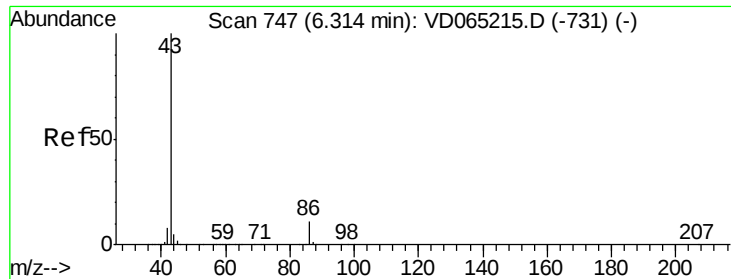
Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	45	Resp:	56932
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.6	64.0
87	26.3	21.2	31.8
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 18.393 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampled :

VD0306

Tot Ion: 43 Resp: 121683

Ion Ratio Lower Upper

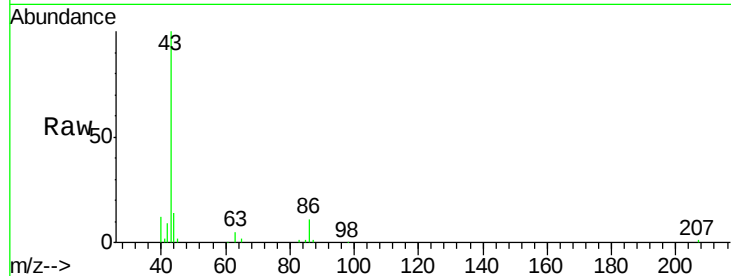
43 100

86 10.6 8.6 12.8

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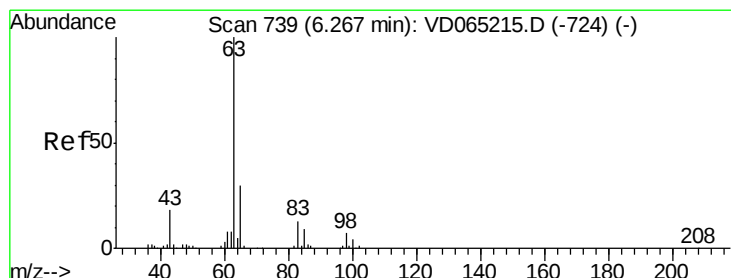
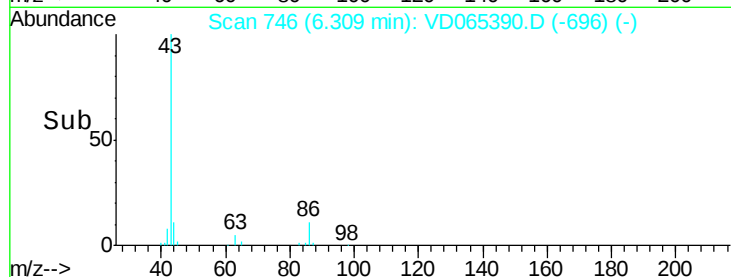
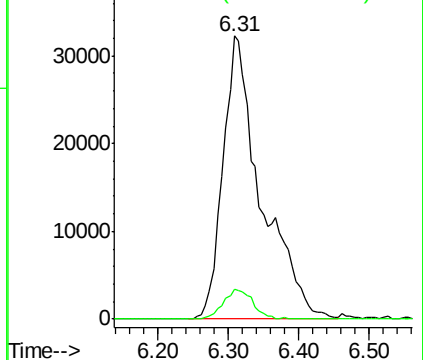
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.601 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

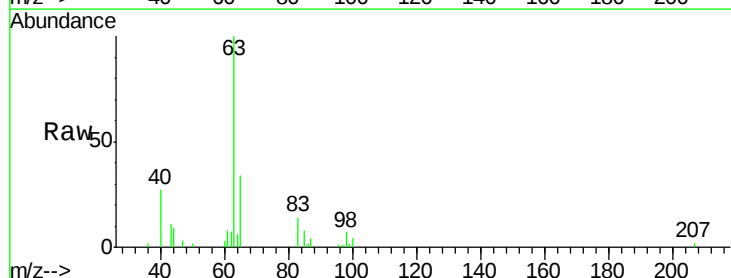
Tgt Ion: 63 Resp: 41691

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.1

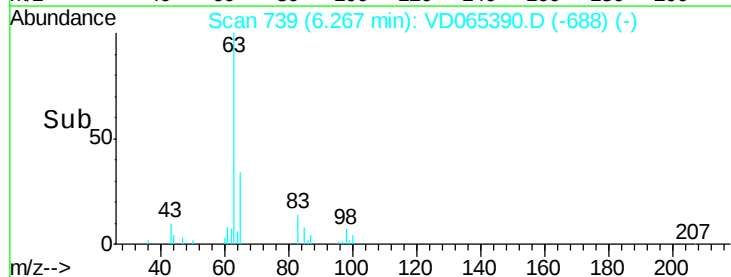
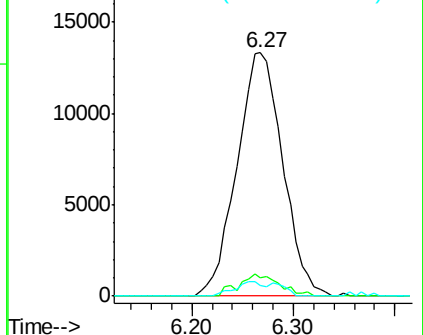
100 4.1 2.3 6.8



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: 23.021 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 43 Resp: 26482

Ion Ratio Lower Upper

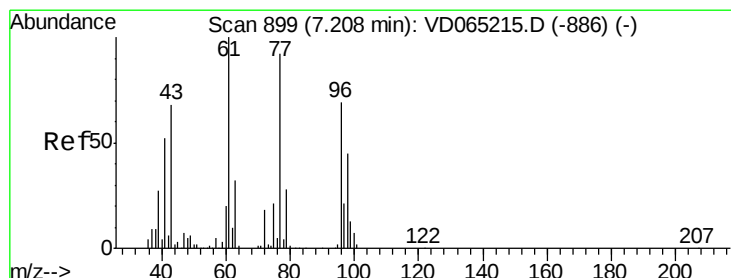
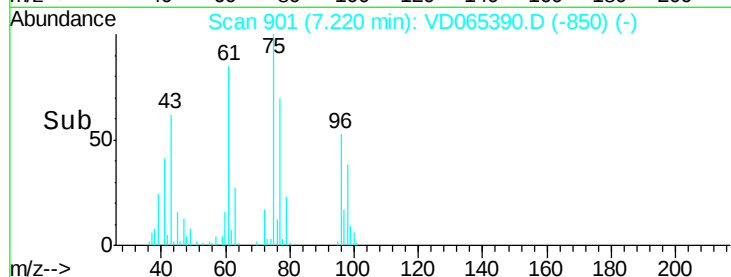
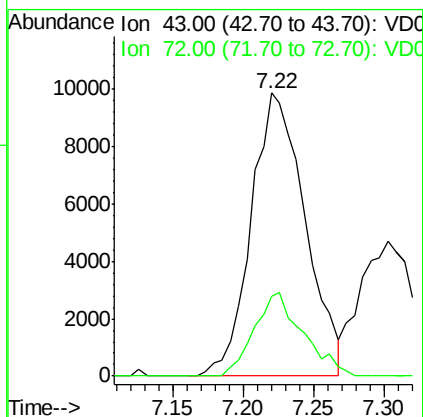
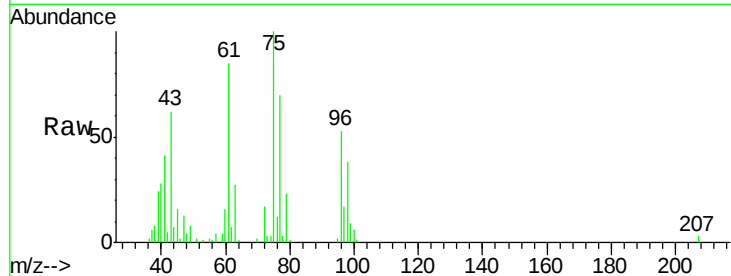
43 100

72 28.0 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.674 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065390.D

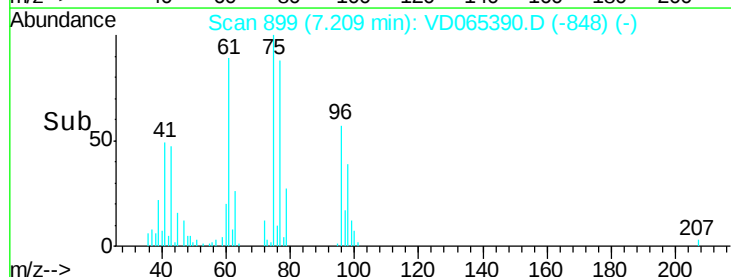
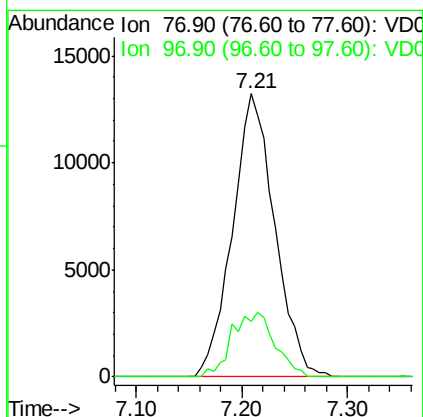
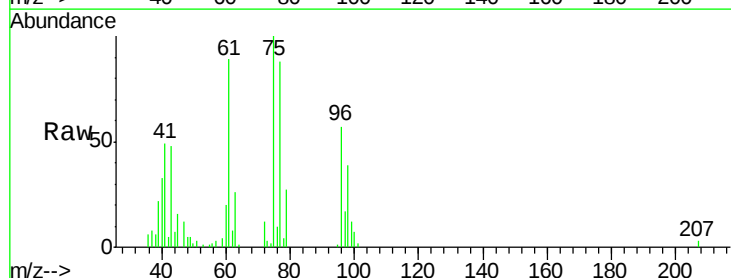
Acq: 03 Mar 2020 13:11

Tgt Ion: 77 Resp: 36641

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

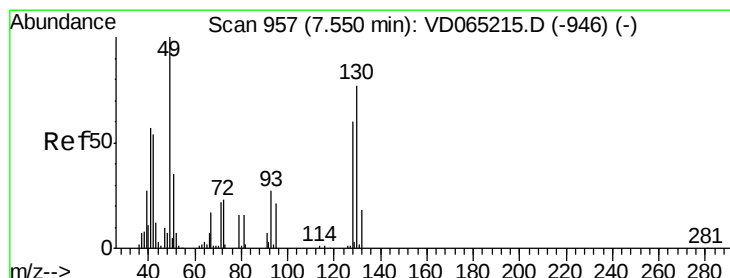
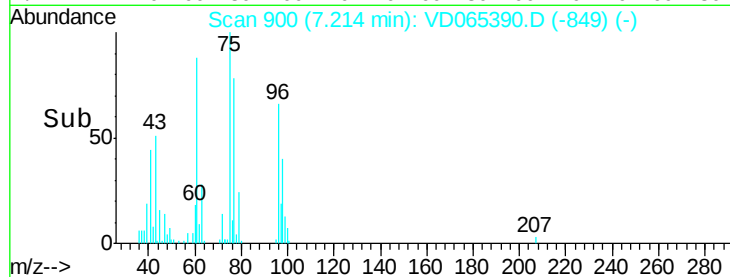
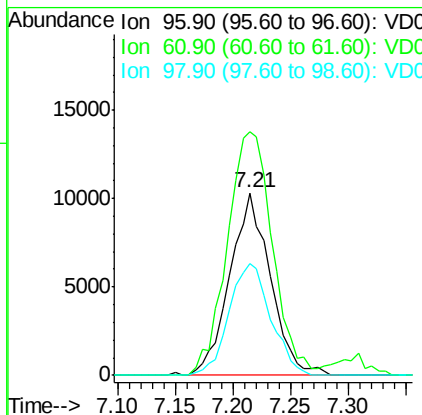
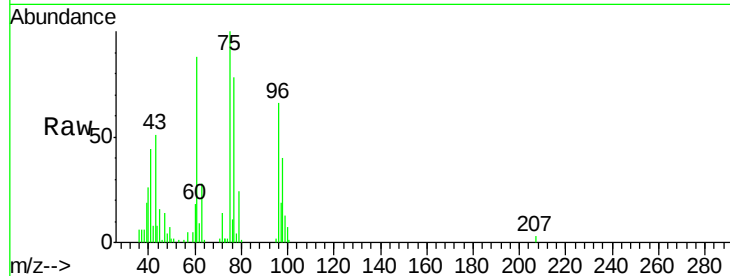
cis-1,2-Dichloroethene
 Concen: 5.456 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	286.0
98	62.9	0.0	127.8

Manual Integrations
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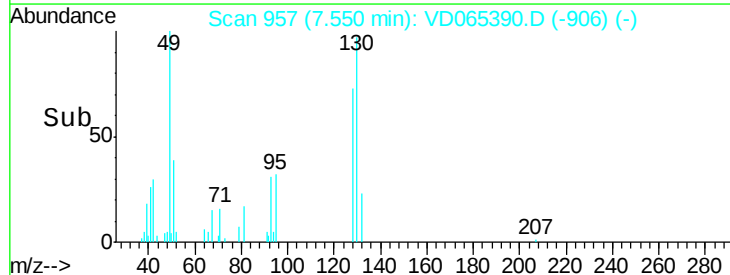
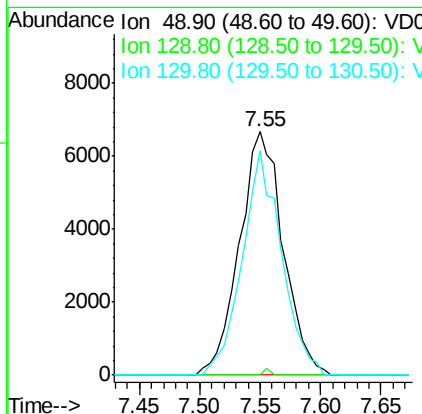
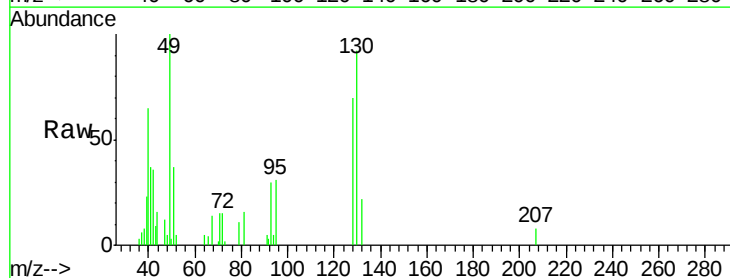
MMDadoda
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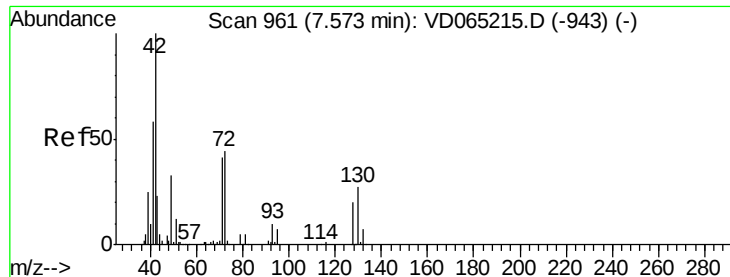


#28

Bromochloromethane
 Concen: 6.082 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	83.0	64.7	97.1





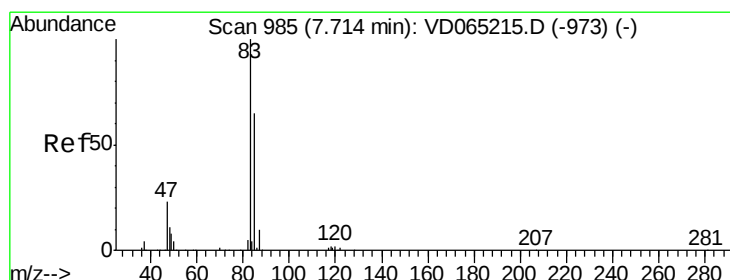
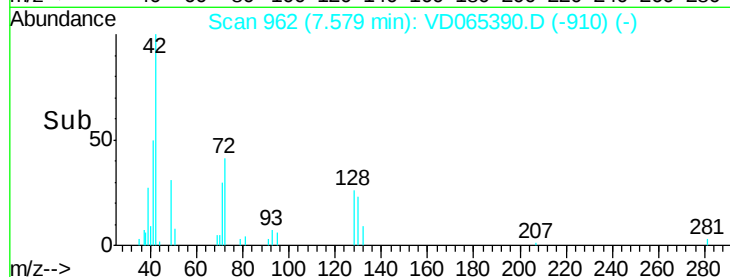
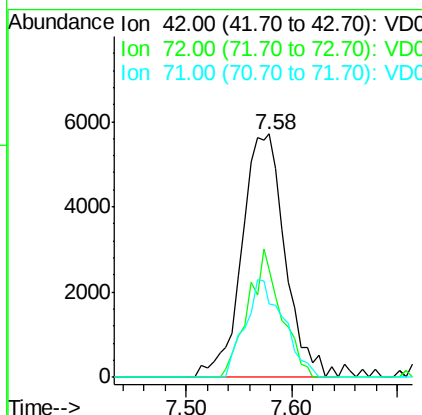
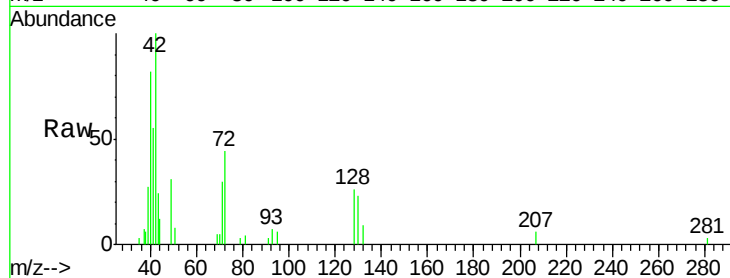
#29
Tetrahydrofuran
Concen: 24.044 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.7	50.5
71	35.8	31.4	47.2

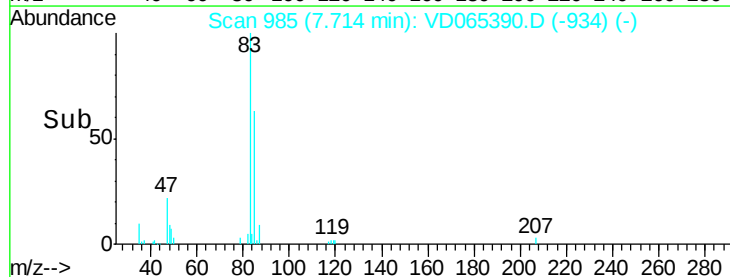
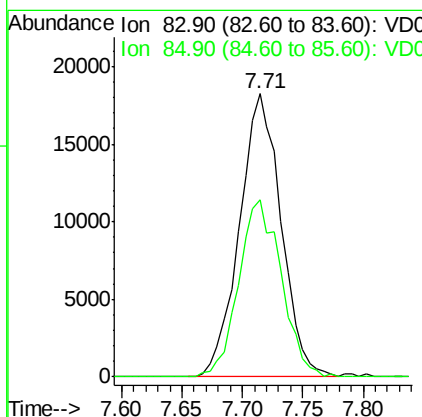
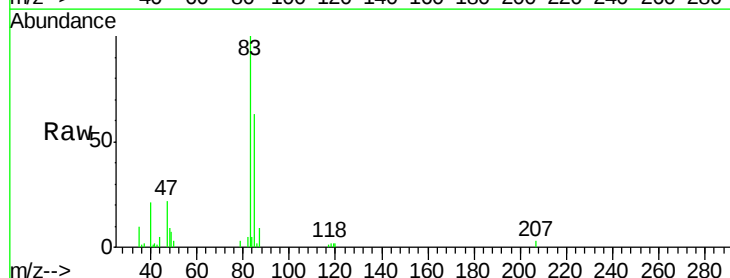
Manual Integrations
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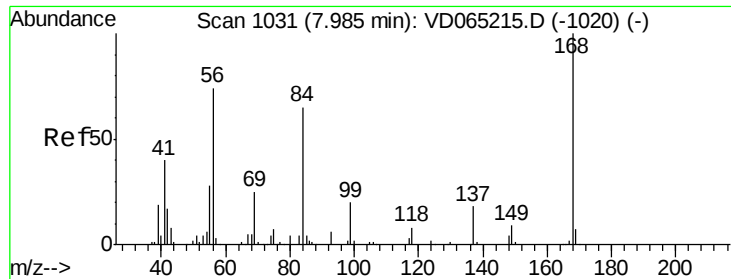
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#30
Chloroform
Concen: 5.834 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5





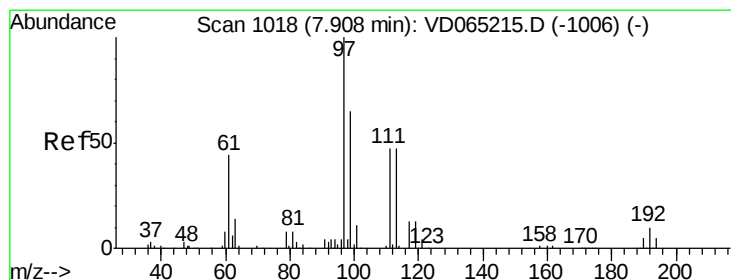
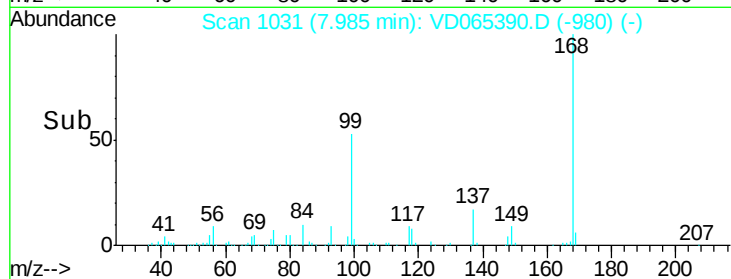
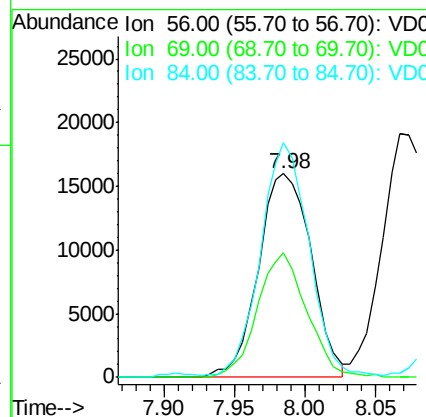
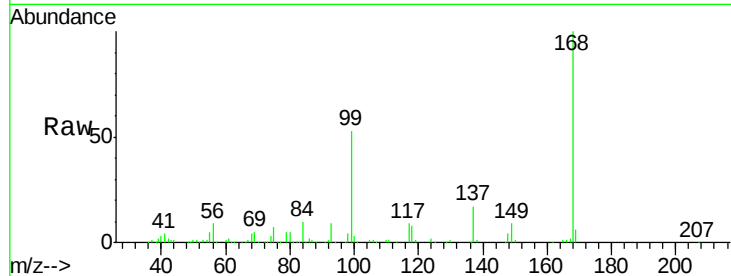
#31
Cyclohexane
Concen: 5.732 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.1	27.4	41.0#
84	113.6	71.1	106.7#

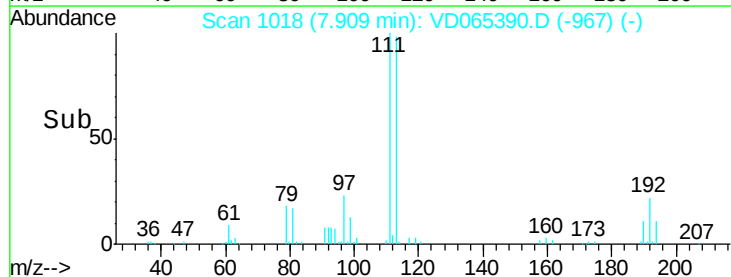
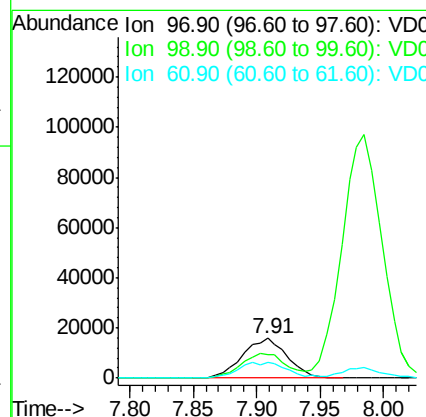
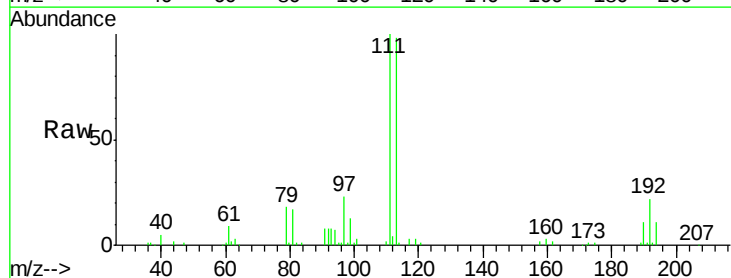
Manual Integrations
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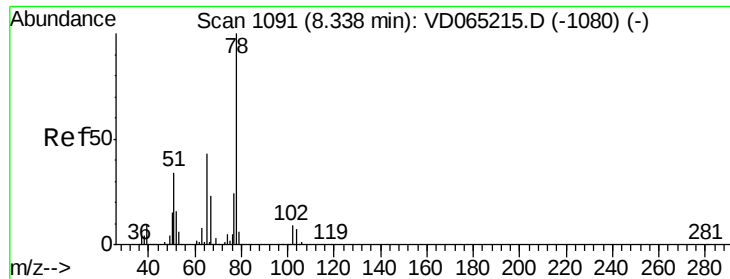
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#32
1,1,1-Trichloroethane
Concen: 5.786 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.2
61	43.0	34.8	52.2





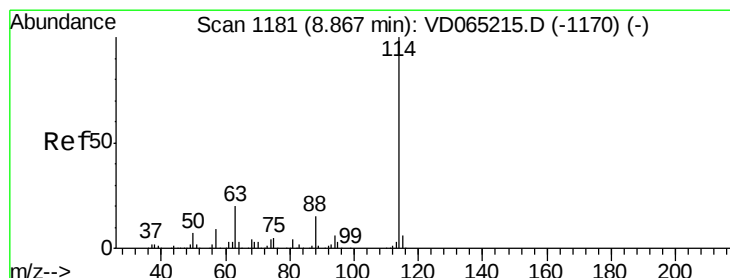
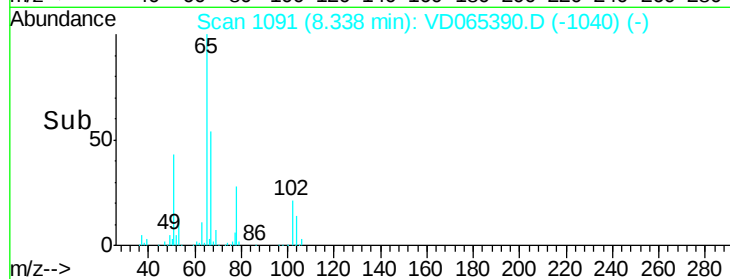
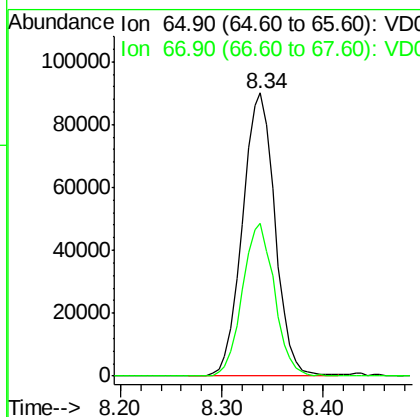
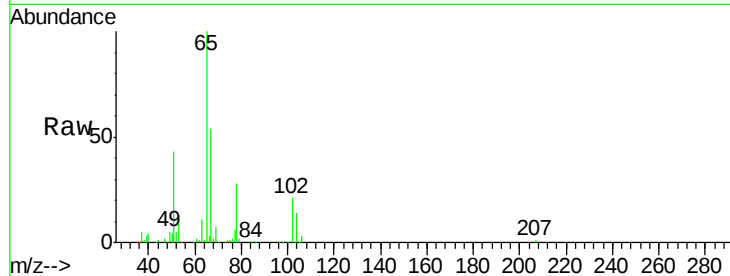
#33
 1,2-Dichloroethane-d4
 Concen: 53.963 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampled :
 VD0306

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8

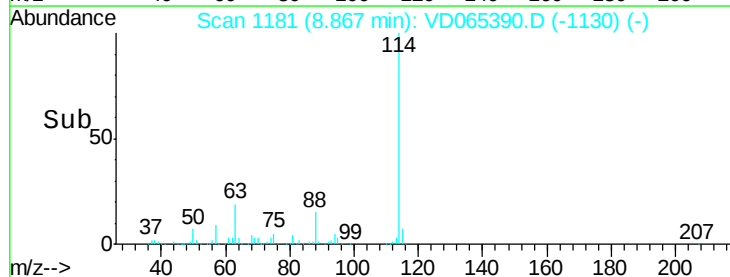
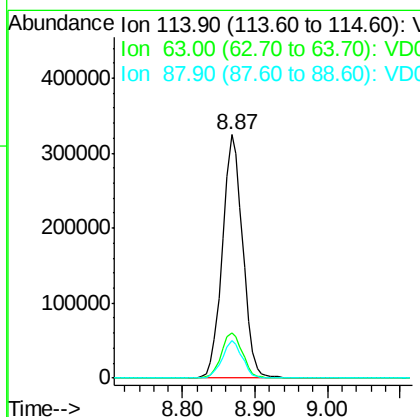
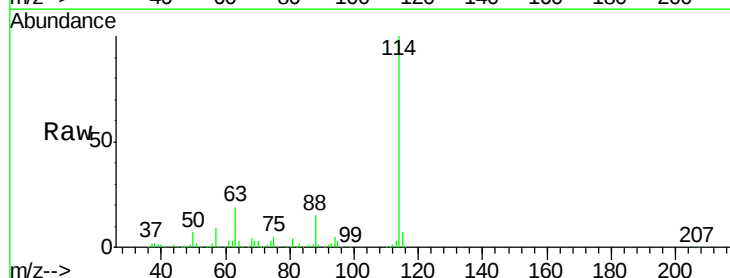
Manual Integrations
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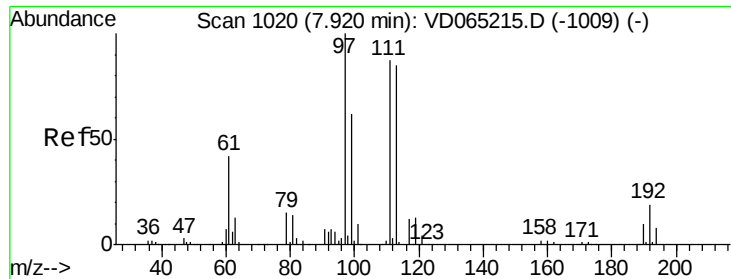
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.4
88	15.4	0.0	30.4





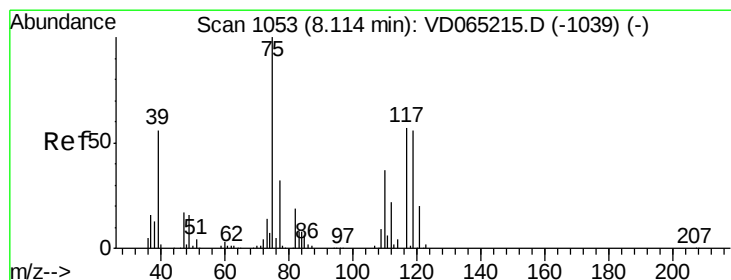
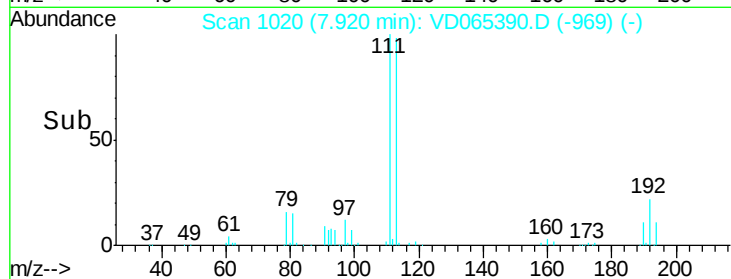
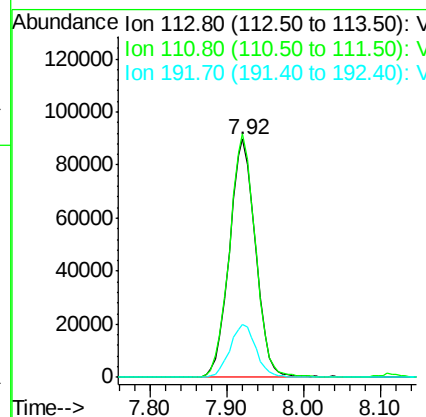
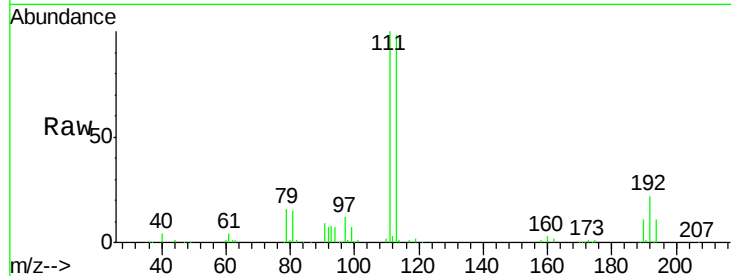
#35
 Dibromofluoromethane
 Concen: 55.098 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212731		
111	101.0	82.9	124.3	
192	22.0	17.3	25.9	

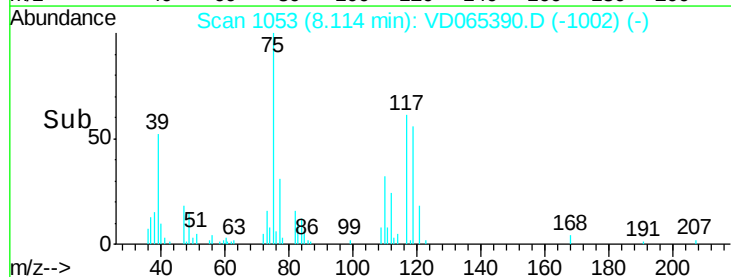
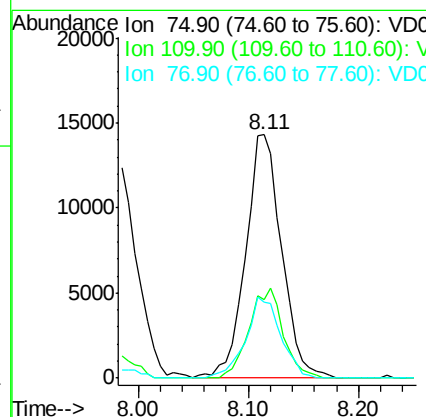
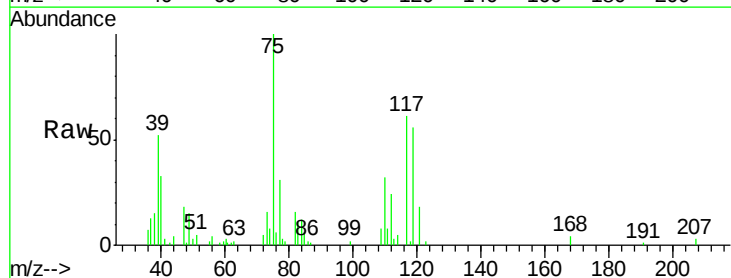
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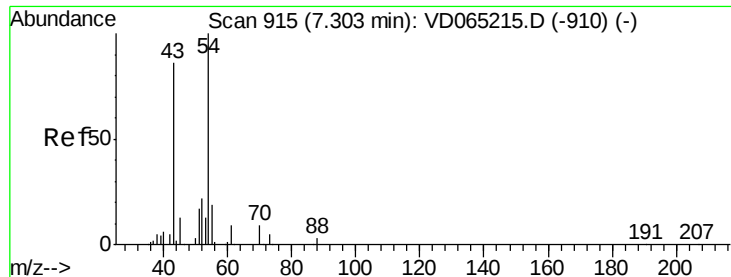
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#36
 1,1-Dichloropropene
 Concen: 5.318 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32766		
110	34.9	17.9	53.7	
77	32.5	25.1	37.7	





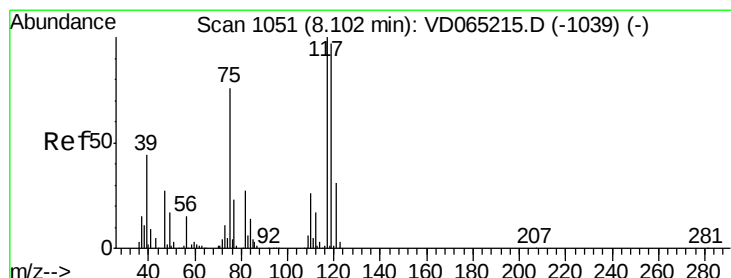
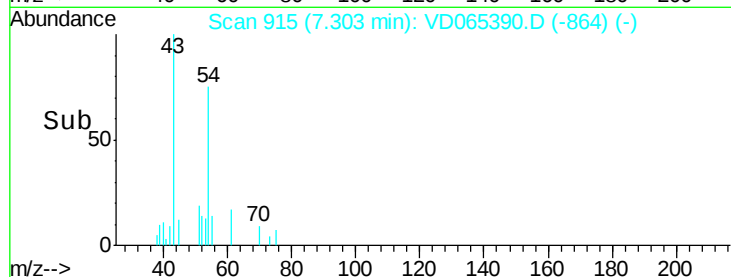
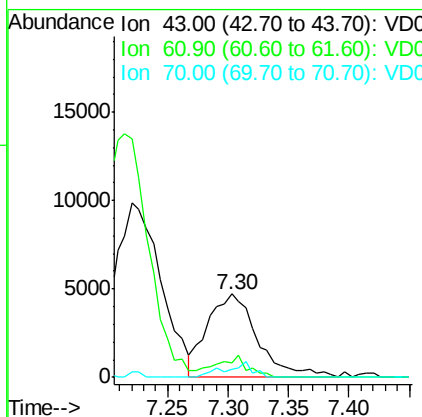
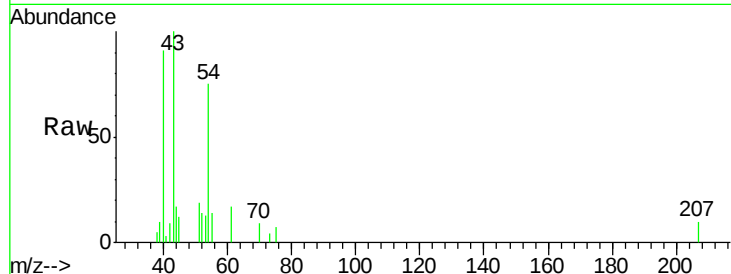
#37
Ethyl Acetate
Concen: 5.295 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.2	16.8
70	6.5	8.2	12.2

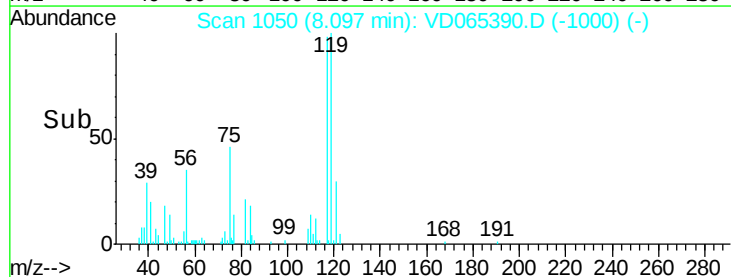
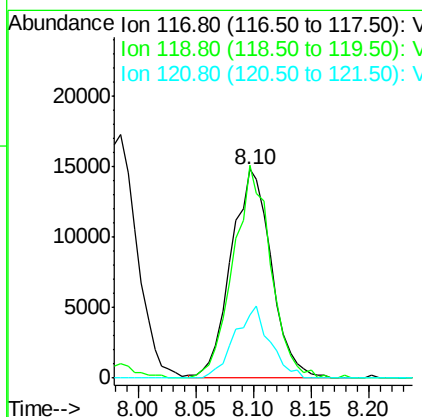
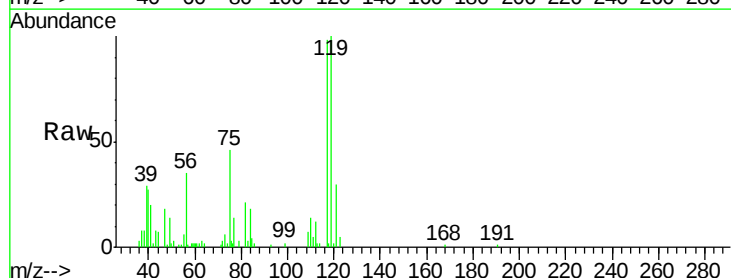
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#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.0	77.6	116.4
121	30.3	24.8	37.2





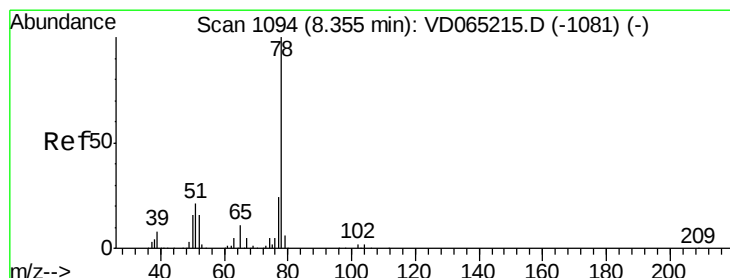
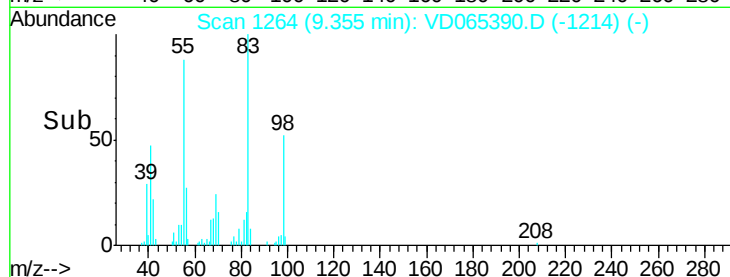
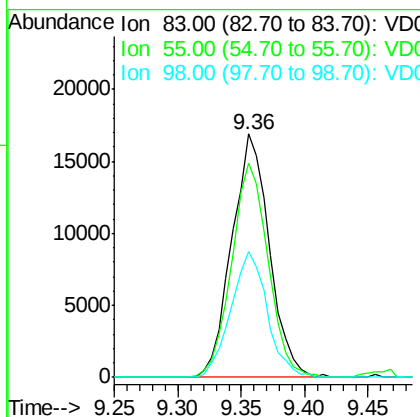
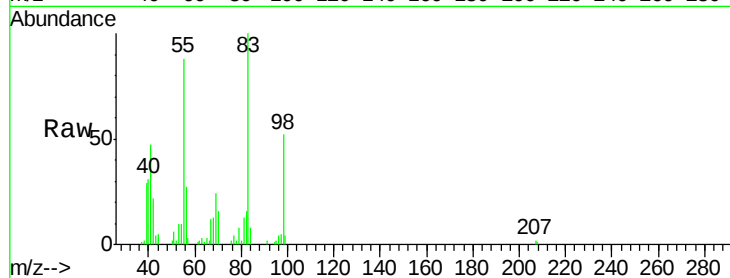
#39
Methvlcvclohexane
Concen: 4.780 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	83	Resp	34624
Ion	Ratio	Lower	Upper
83	100		
55	87.8	61.8	92.6
98	51.6	39.4	59.0

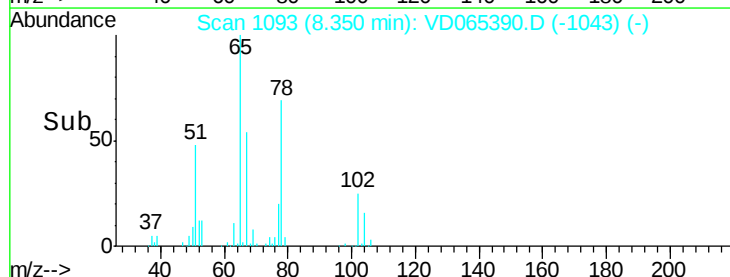
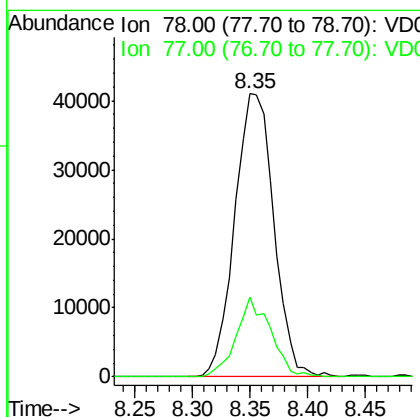
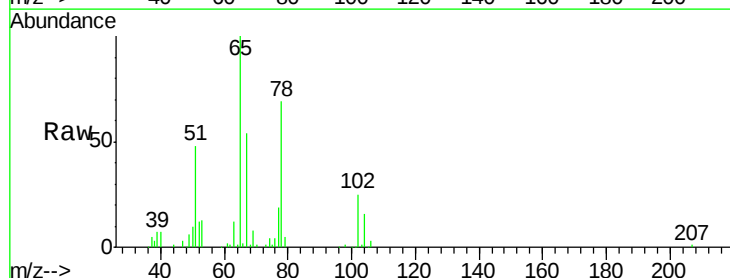
Manual Integrations
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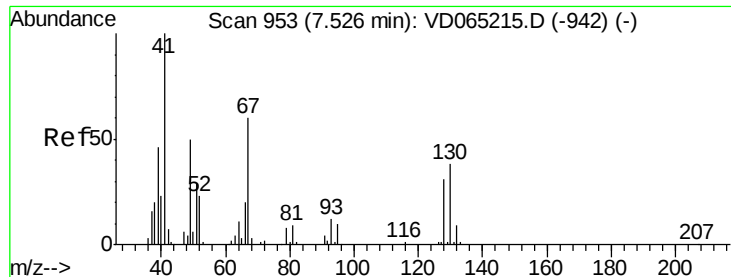
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#40
Benzene
Concen: 5.554 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	78	Resp	96587
Ion	Ratio	Lower	Upper
78	100		
77	28.3	19.0	28.6





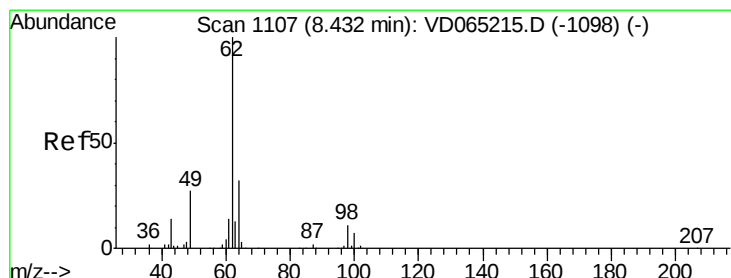
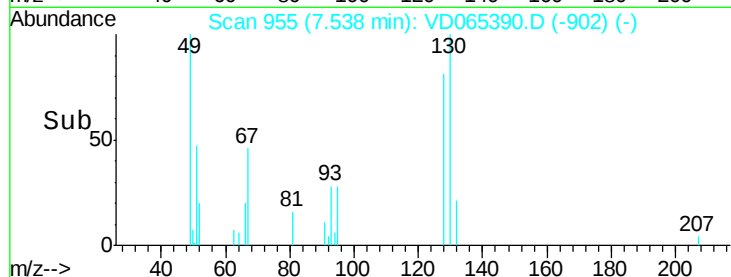
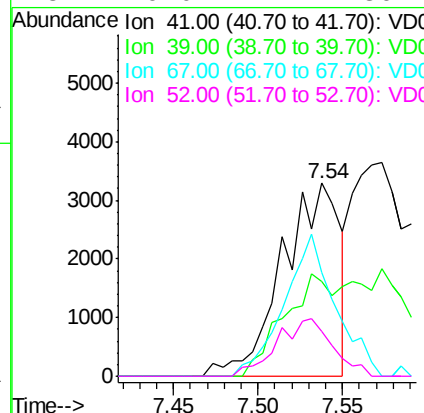
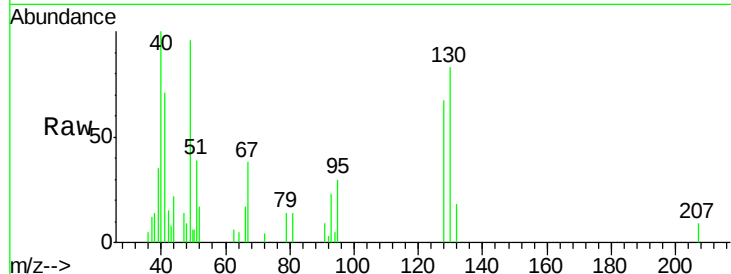
#41
Methacrylonitrile
Concen: 5.213 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.0	48.1	72.1#	
67	65.5	58.9	88.3	
52	29.0	24.2	36.2	

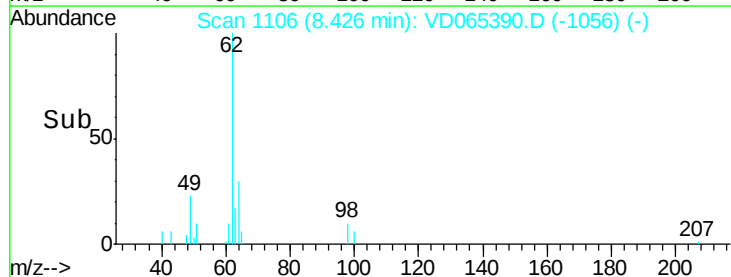
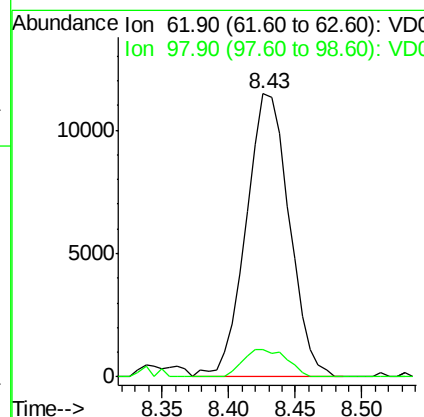
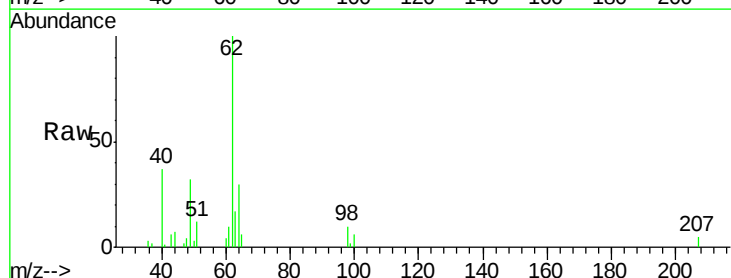
Manual Integrations
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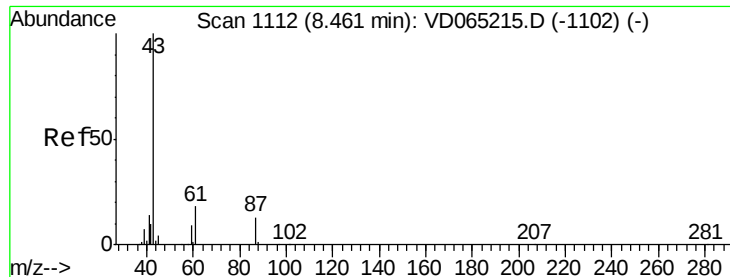
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#42
1,2-Dichloroethane
Concen: 5.387 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	





#43

Isopropyl Acetate

Concen: 4.773 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

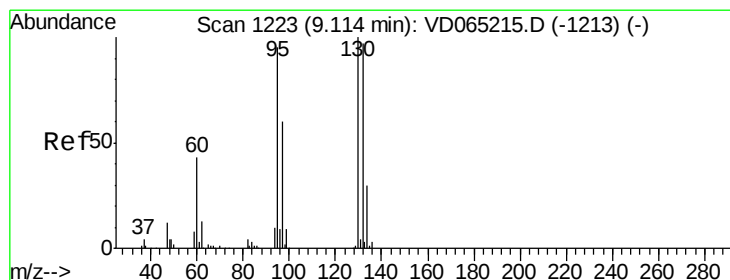
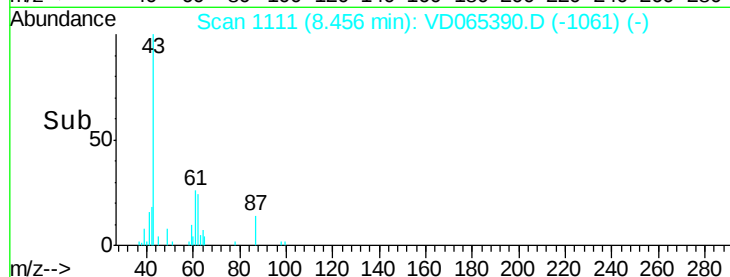
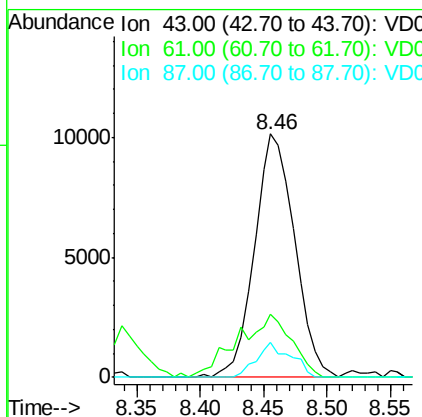
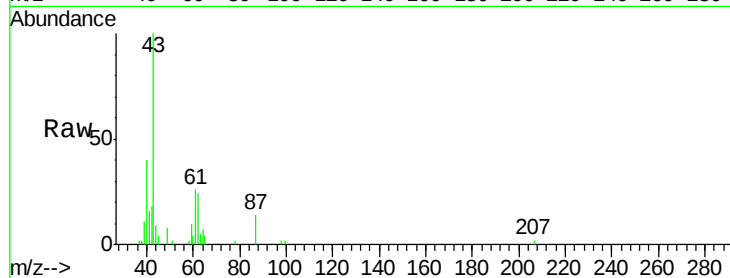
ClientSampleId :

VD0306

Tot Ion:	43	Resp:	22358
Ion	Ratio	Lower	Upper
43	100		
61	34.9	24.6	36.8
87	12.3	10.6	16.0

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#44

Trichloroethene

Concen: 5.584 ug/l

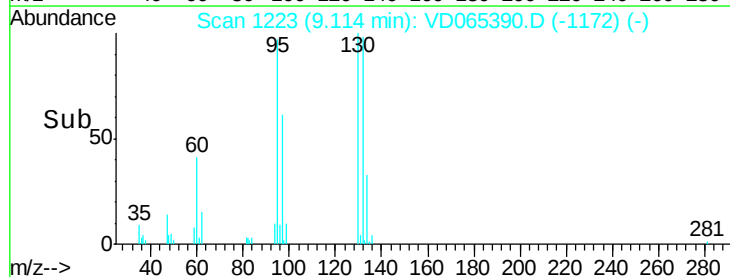
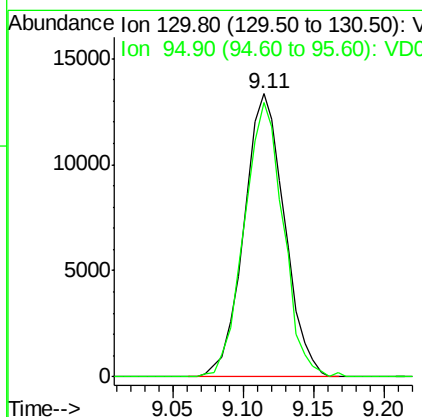
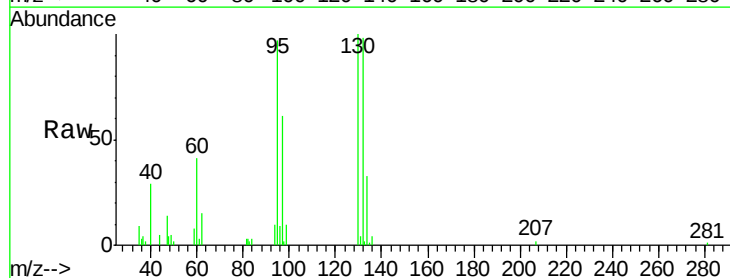
RT: 9.11 min Scan# 1223

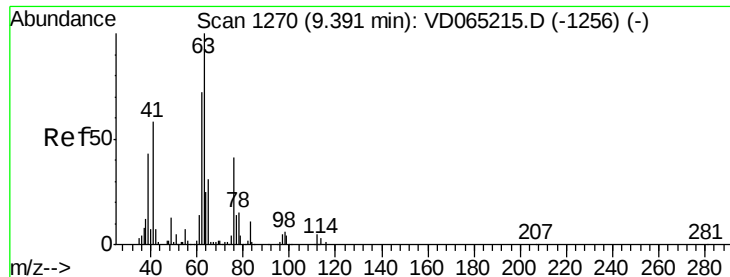
Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	130	Resp:	26919
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	190.6





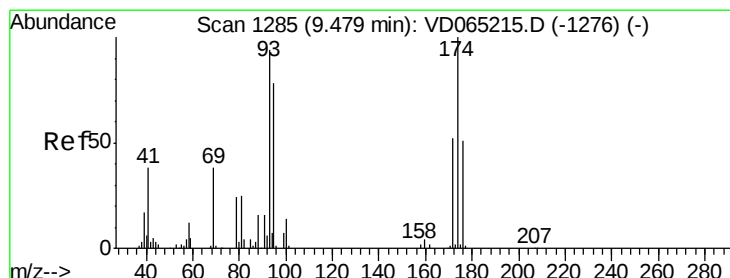
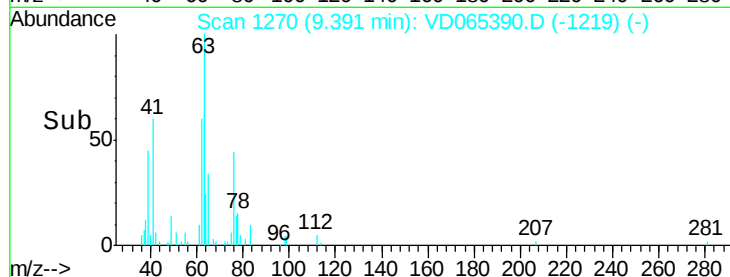
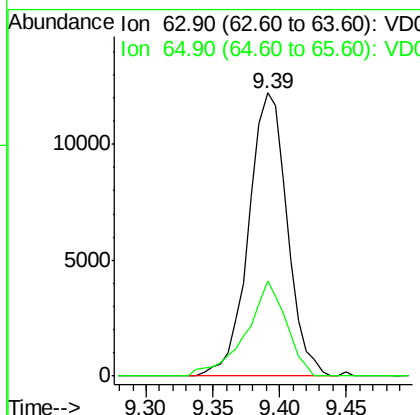
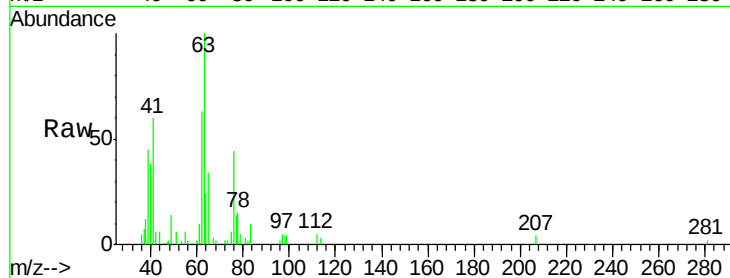
#45
 1,2-Dichloropropane
 Concen: 5.634 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.9	37.3

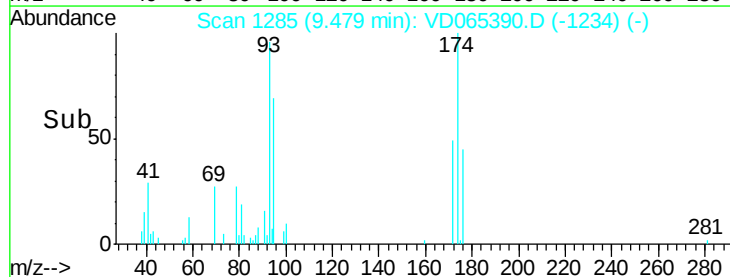
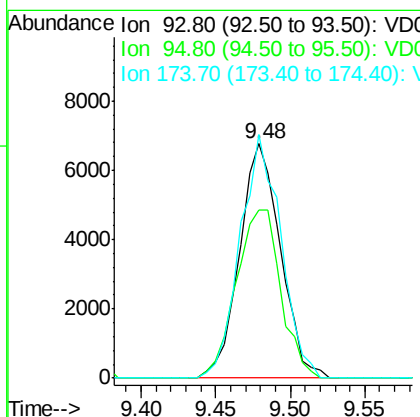
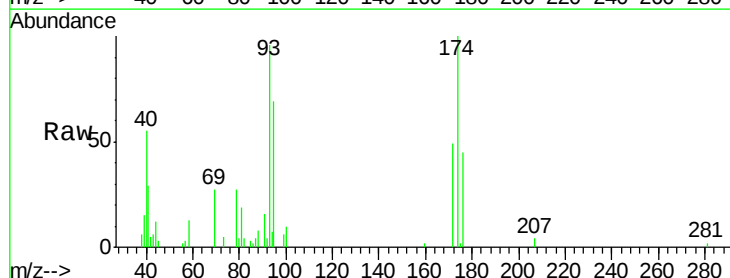
Manual Integrations
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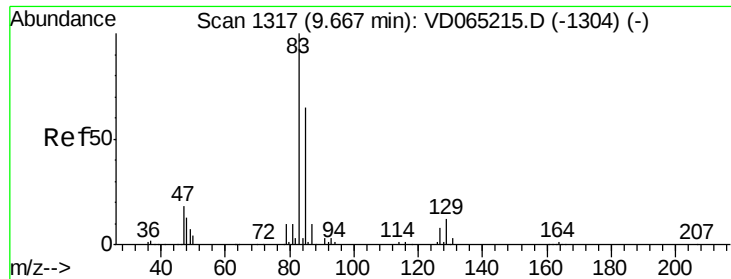
MMDadoda
 3/4/2020 2:01:32 PM



#46
 Dibromomethane
 Concen: 5.795 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.1	65.8	98.6
174	103.0	86.8	130.2





#47

Bromodichloromethane

Concen: 5.618 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

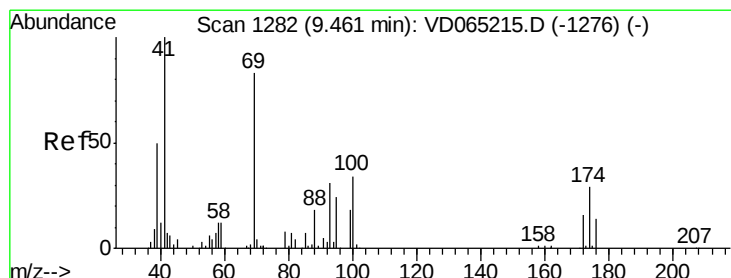
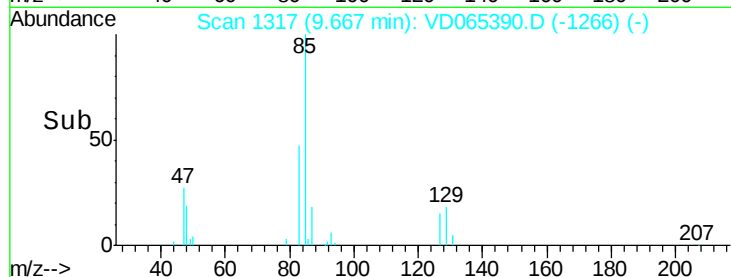
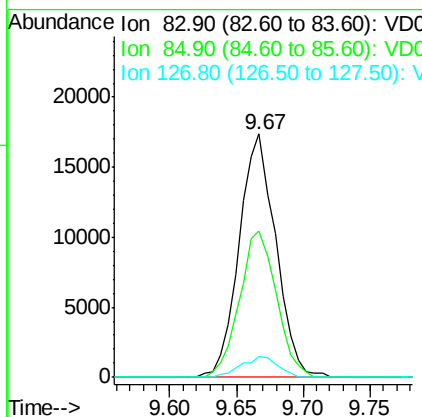
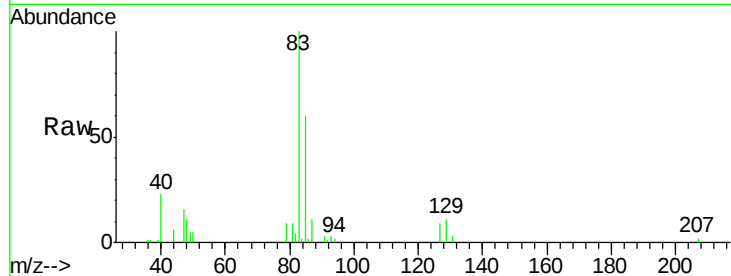
ClientSampleId :

VD0306

Tot Ion:	83	Resp:	32944
Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.0	78.0
127	8.8	6.7	10.1

Manual Integrations
APPROVED

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3/4/2020 2:01:32 PM



#48

Methyl methacrylate

Concen: 3.929 ug/l

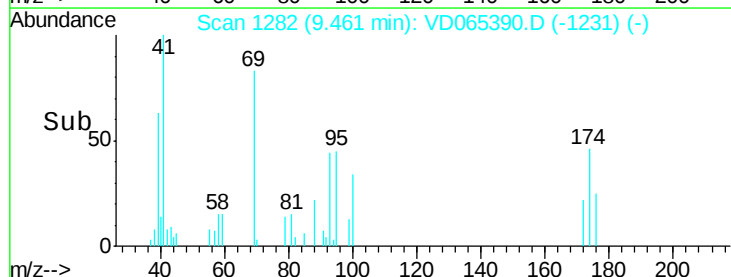
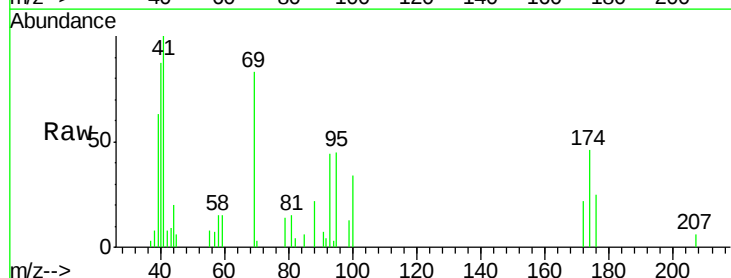
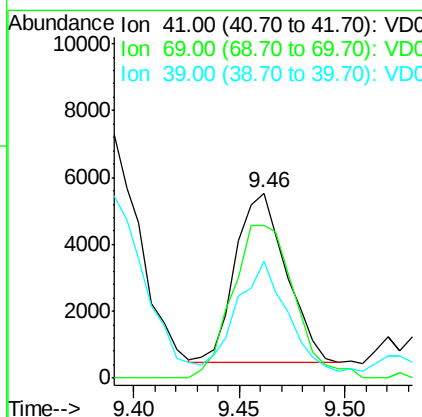
RT: 9.46 min Scan# 1282

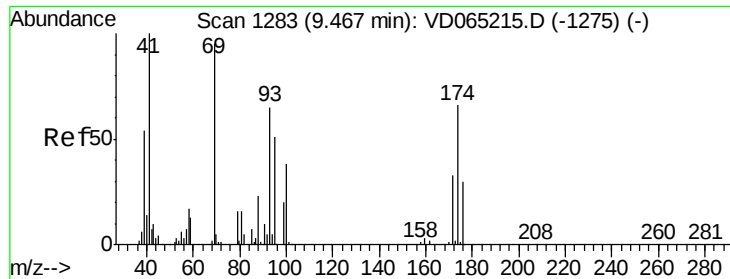
Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	41	Resp:	8507
Ion	Ratio	Lower	Upper
41	100		
69	109.0	68.2	102.2#
39	72.0	42.0	63.0#





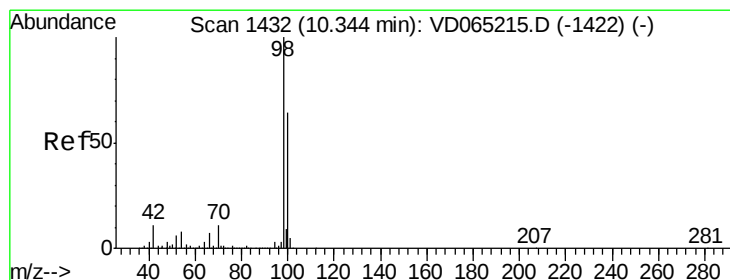
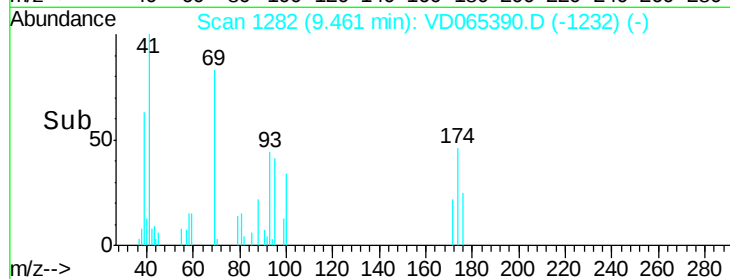
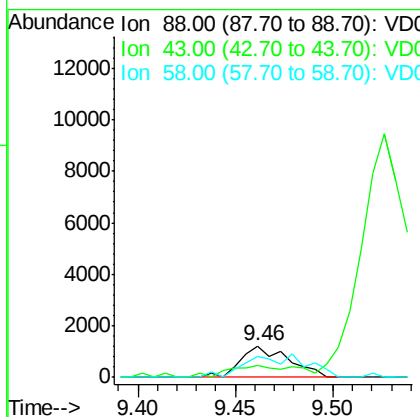
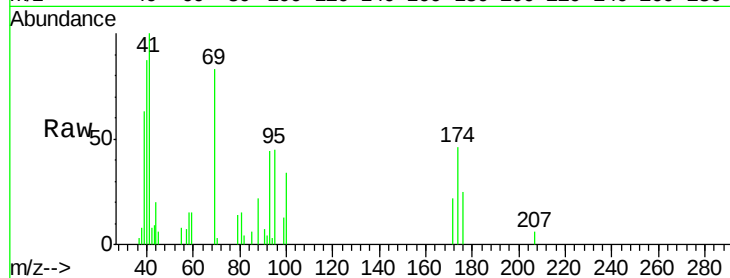
#49
1,4-Dioxane
Concen: 79.325 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.5	28.5	42.7#
58	52.4	58.6	87.8#

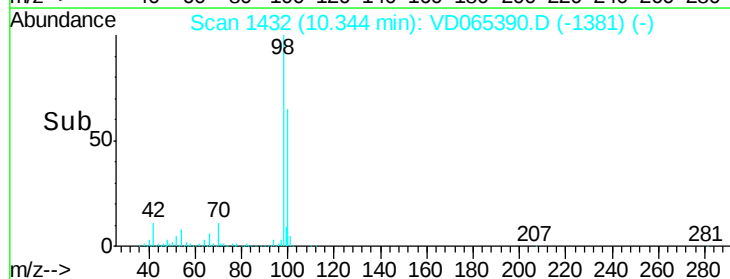
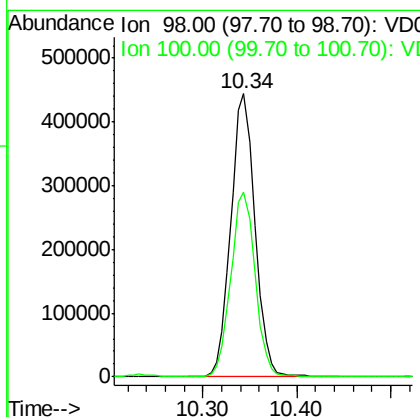
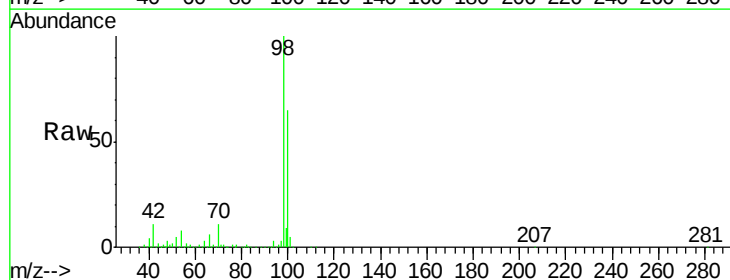
Manual Integrations
APPROVED

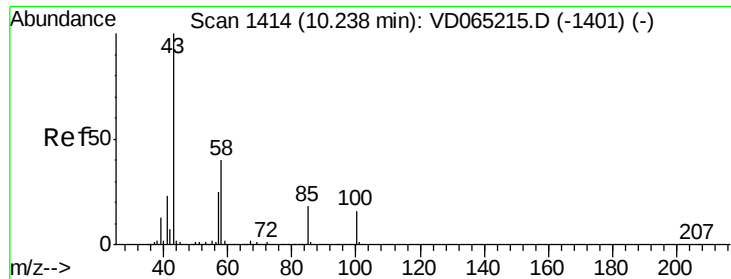
MMDadoda
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#50
Toluene-d8
Concen: 54.057 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 22.594 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 43 Resp: 53751

Ion Ratio Lower Upper

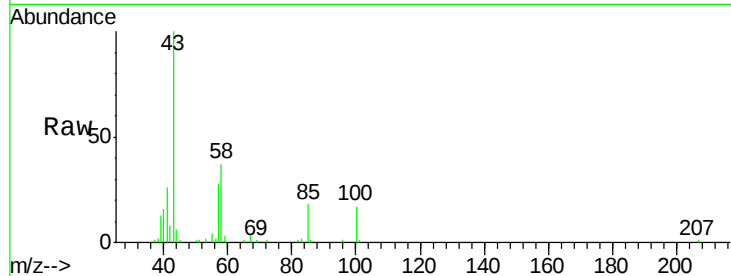
43 100

58 36.9 31.1 46.7

Manual Integrations
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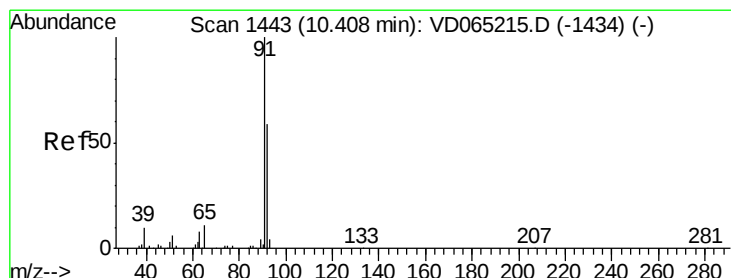
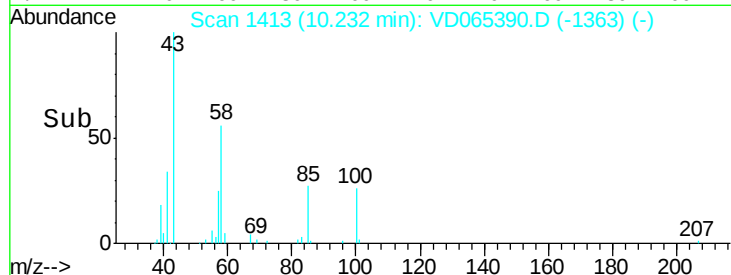
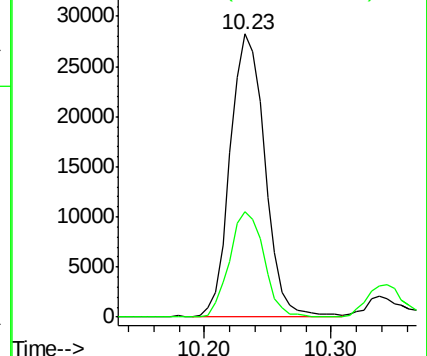
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.711 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065390.D

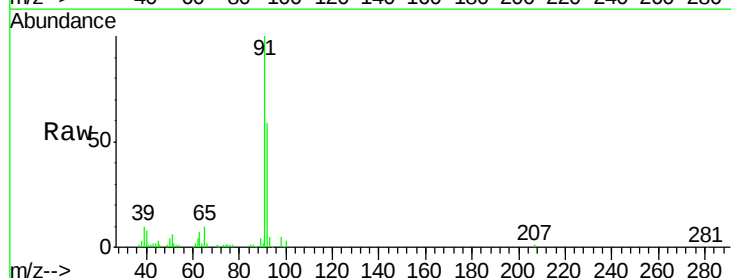
Acq: 03 Mar 2020 13:11

Tgt Ion: 92 Resp: 61478

Ion Ratio Lower Upper

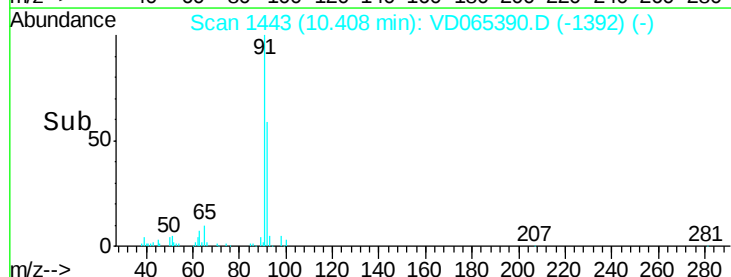
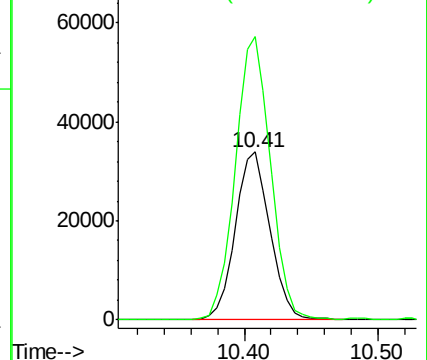
92 100

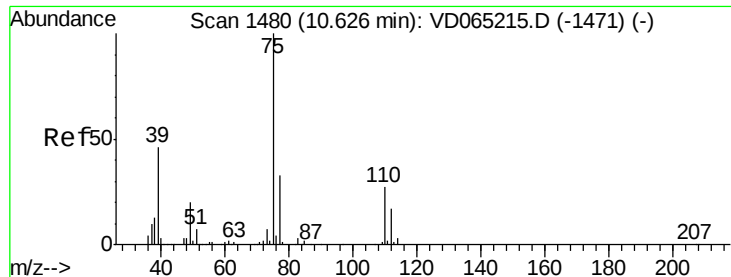
91 169.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





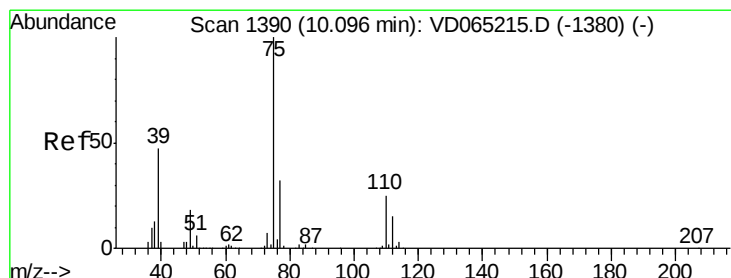
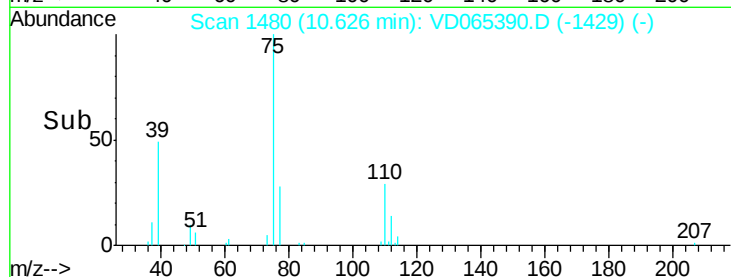
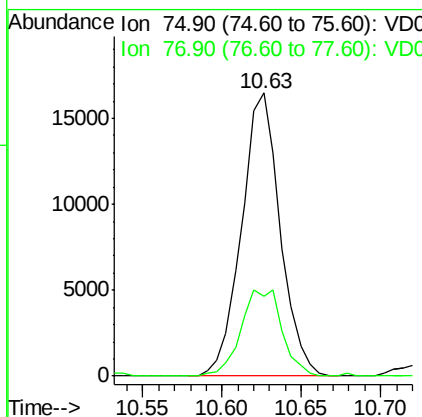
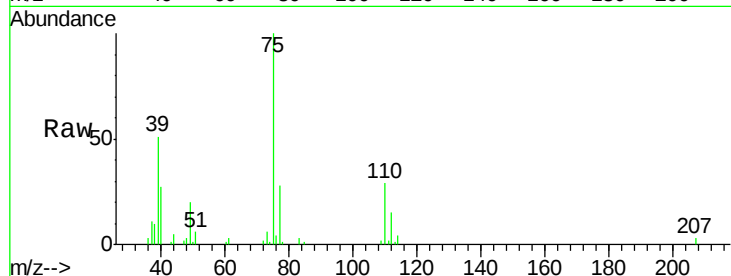
#53
t-1,3-Dichloropropene
Concen: 5.126 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	26.6	40.0

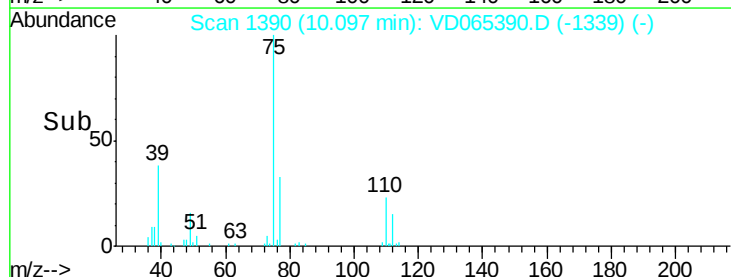
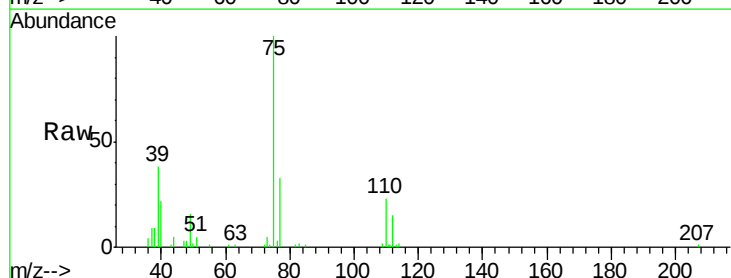
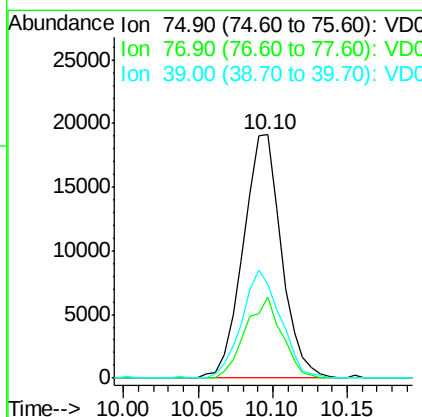
Manual Integrations
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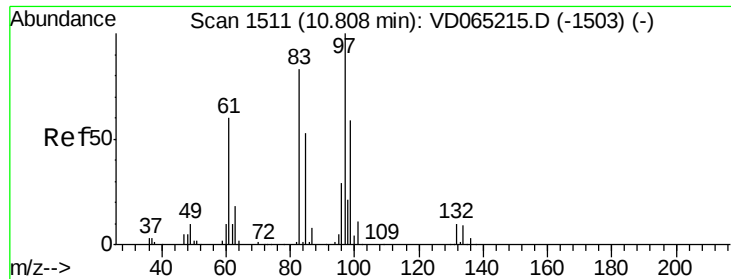
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#54
cis-1,3-Dichloropropene
Concen: 5.172 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.8	38.8
39	38.4	37.3	55.9





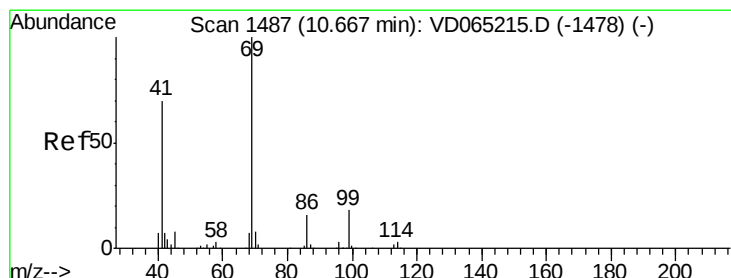
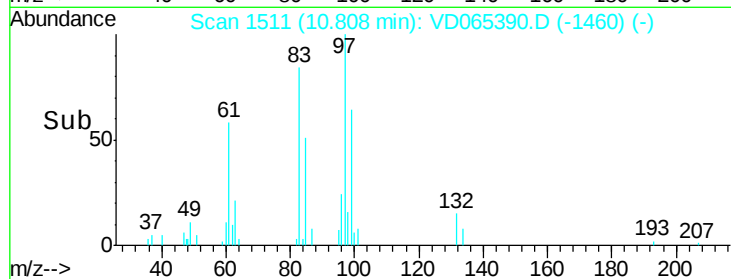
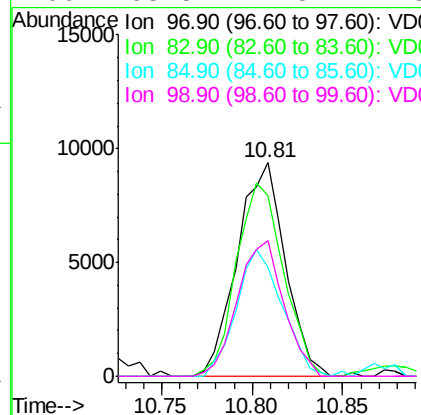
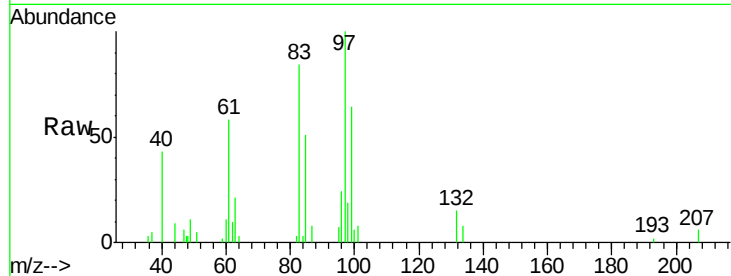
#55
 1,1,2-Trichloroethane
 Concen: 5.505 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion:	97	Resp:	17239
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.7	100.1
85	50.8	42.4	63.6
99	63.8	47.5	71.3

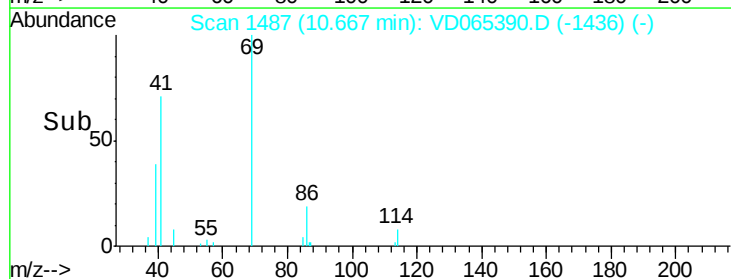
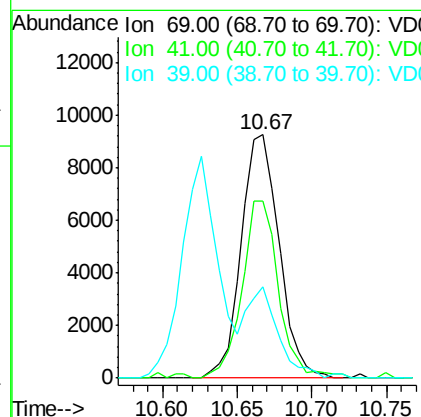
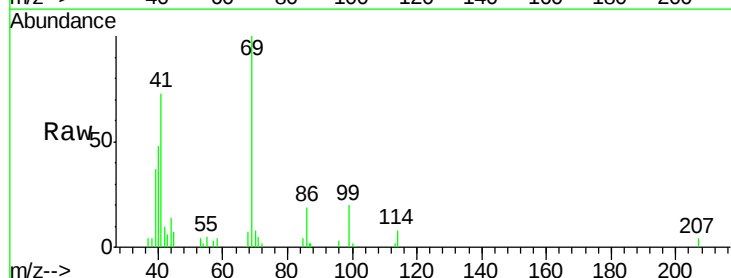
Manual Integrations
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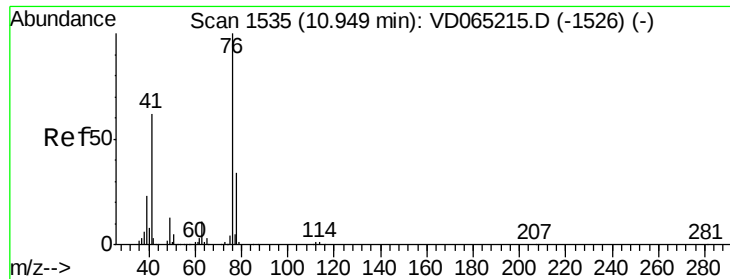
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#56
 Ethyl methacrylate
 Concen: 4.521 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion:	69	Resp:	16340
Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.6	81.8
39	31.4	26.5	39.7





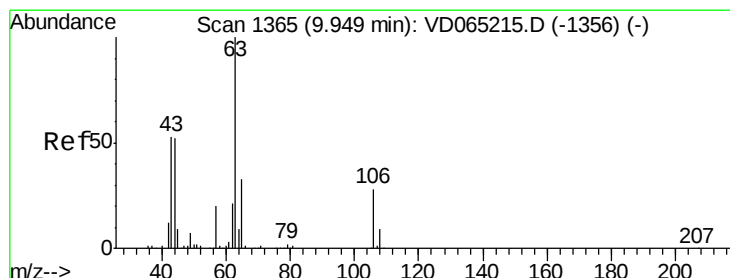
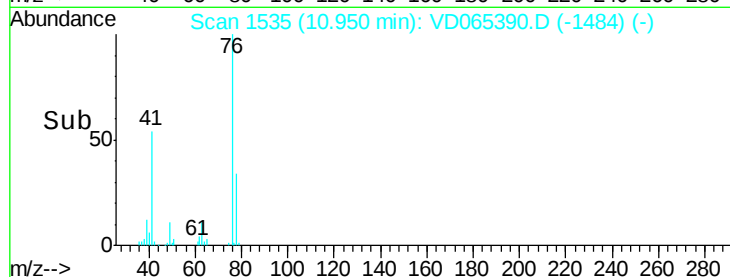
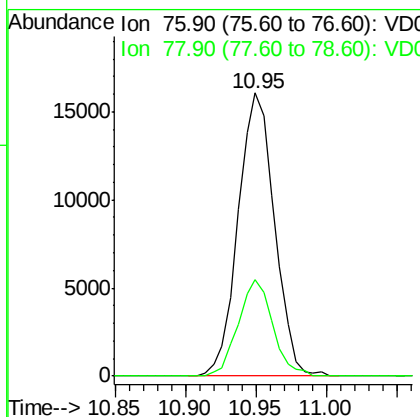
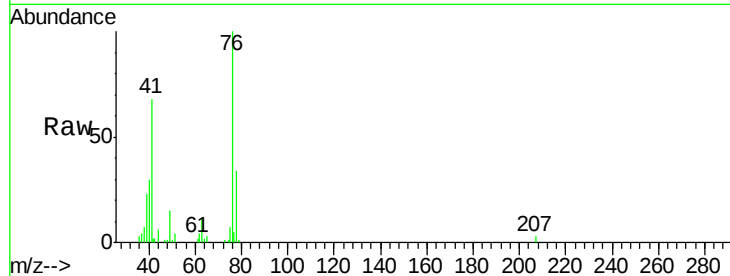
#57
 1,3-Dichloropropane
 Concen: 5.432 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

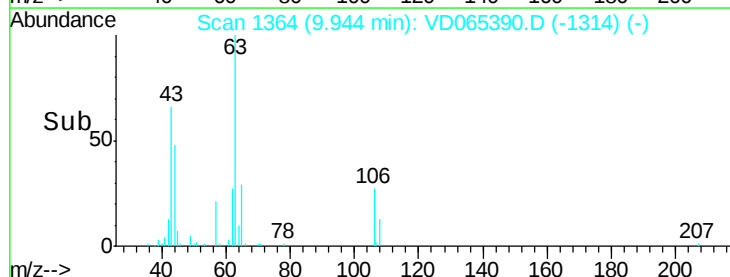
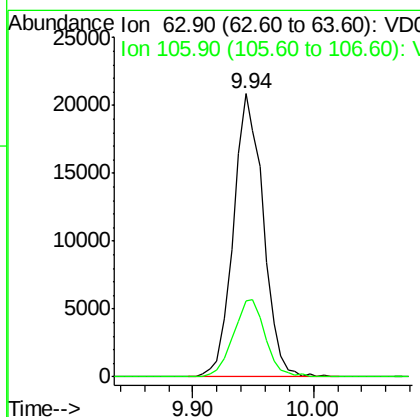
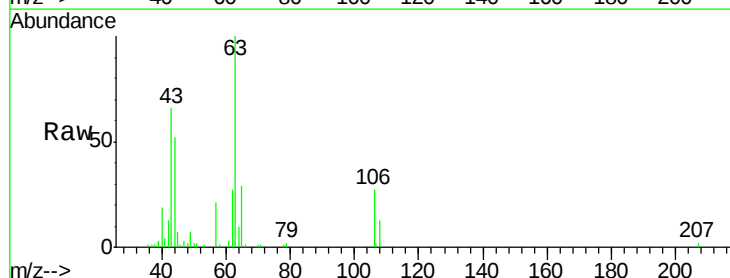
Manual Integrations
 APPROVED

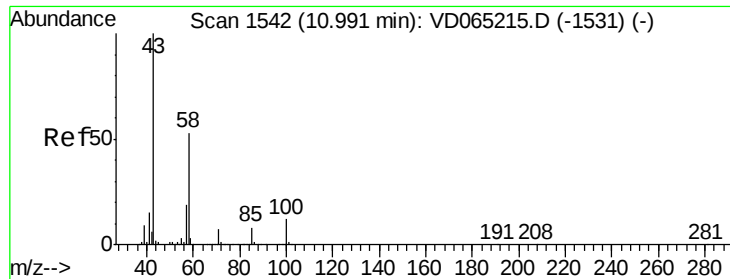
MMDadoda
 3/4/2020 2:01:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.555 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.8	34.2





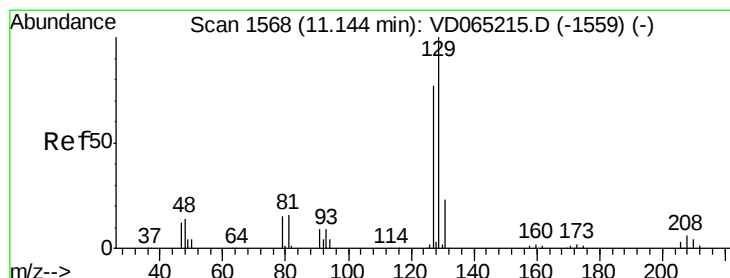
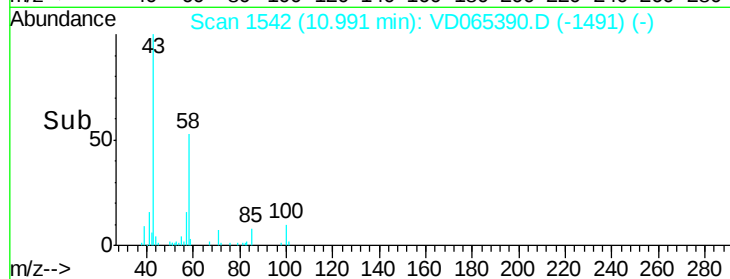
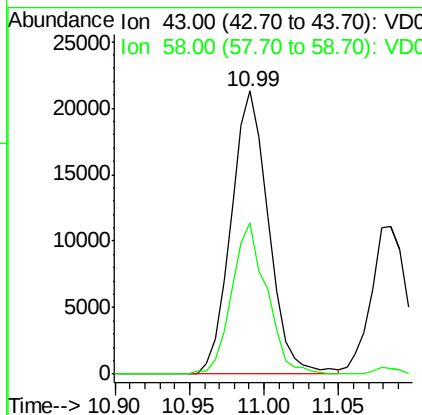
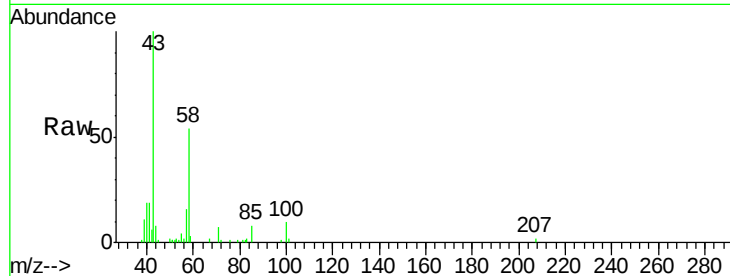
#59
2-Hexanone
Concen: 21.817 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	26.3	78.8

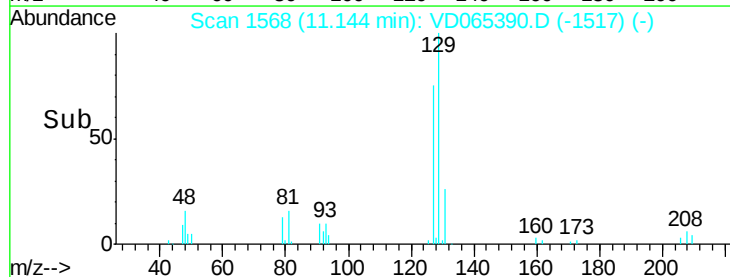
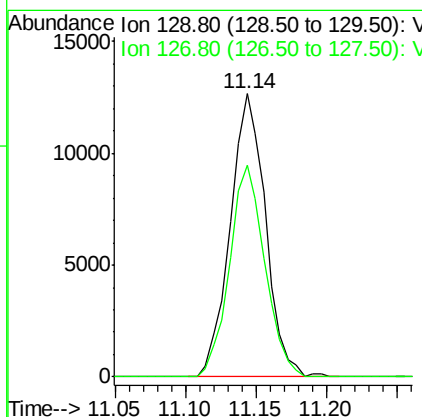
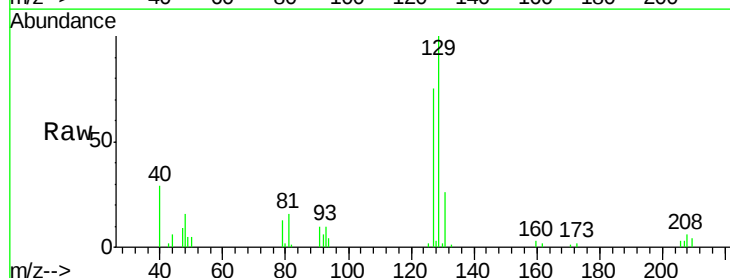
Manual Integrations
APPROVED

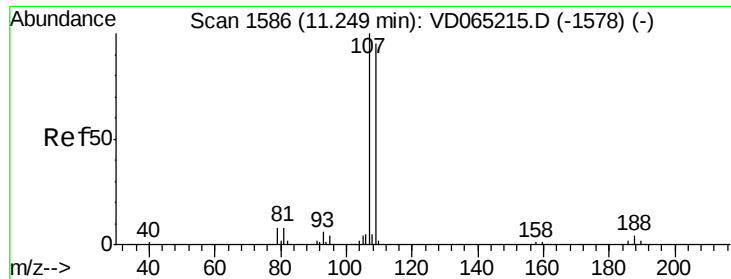
MMDadoda
3/4/2020 2:01:32 PM



#60
Dibromochloromethane
Concen: 5.517 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.7	116.1





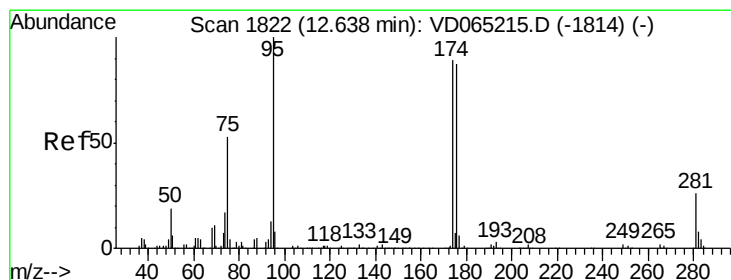
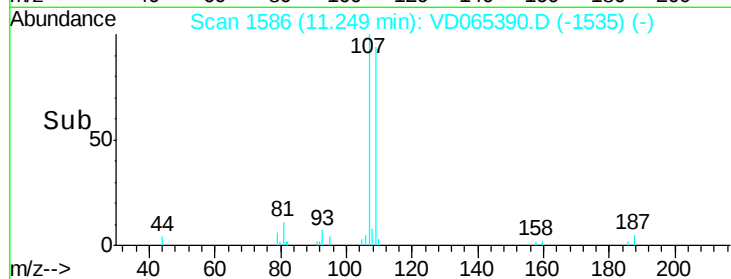
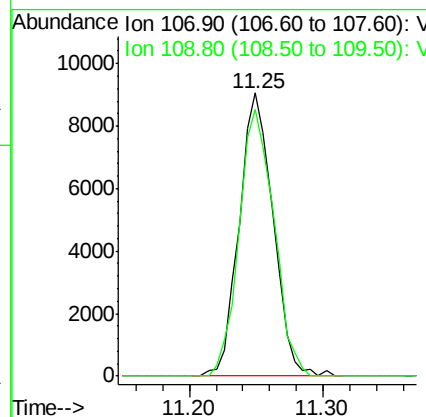
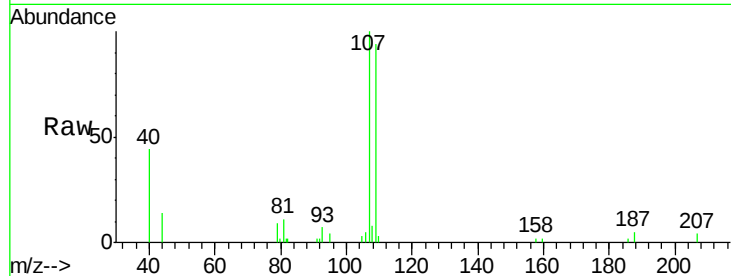
#61
 1,2-Dibromoethane
 Concen: 5.383 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.2	114.4

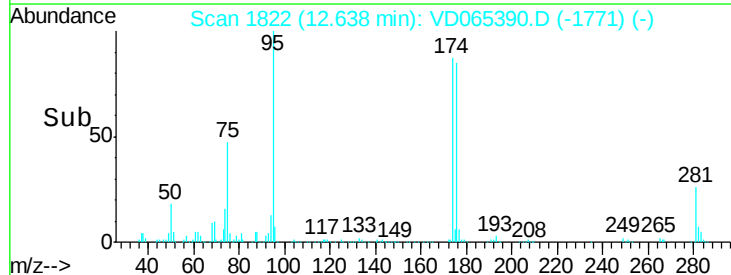
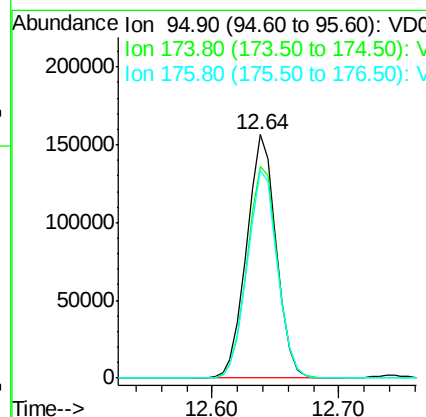
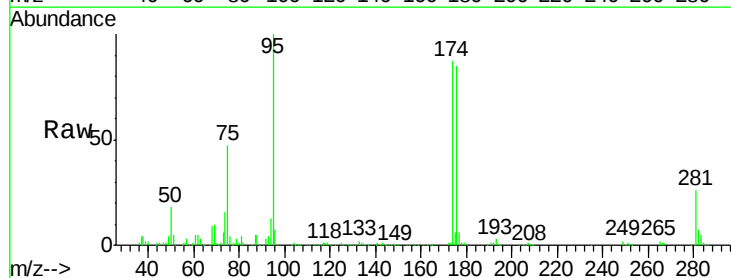
Manual Integrations
 APPROVED

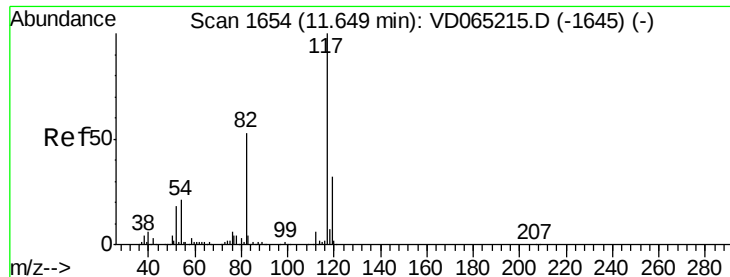
MMDadoda
 3/4/2020 2:01:32 PM



#62
 4-Bromofluorobenzene
 Concen: 54.142 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	178.0
176	86.9	0.0	174.4





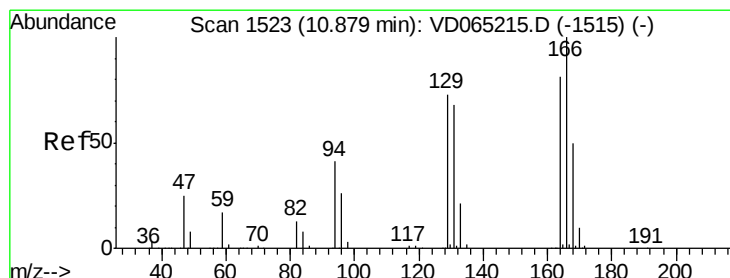
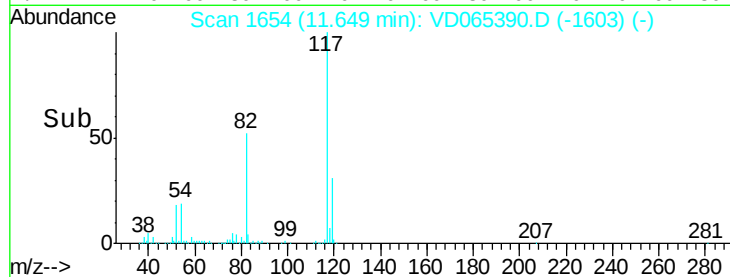
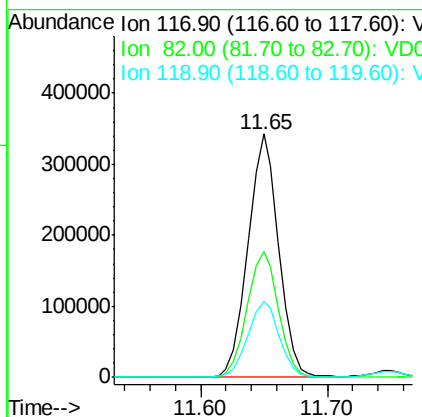
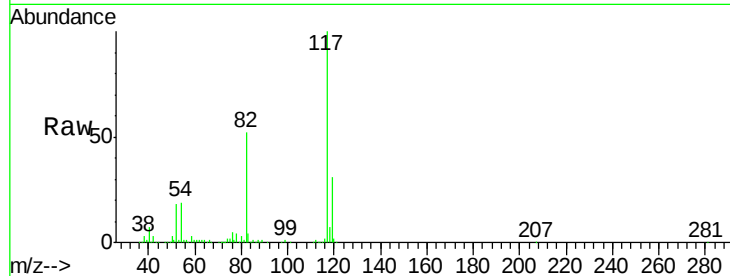
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.7	64.1
119	31.4	25.5	38.3

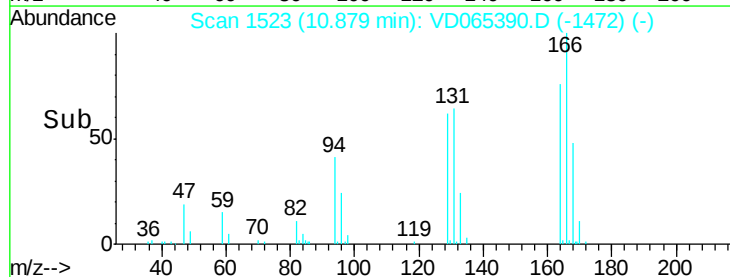
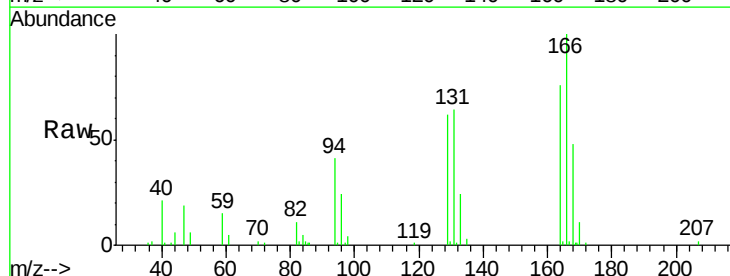
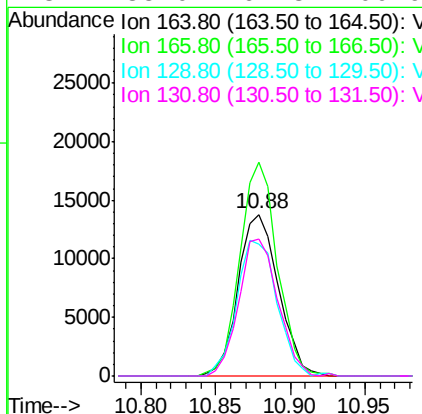
Manual Integrations
APPROVED

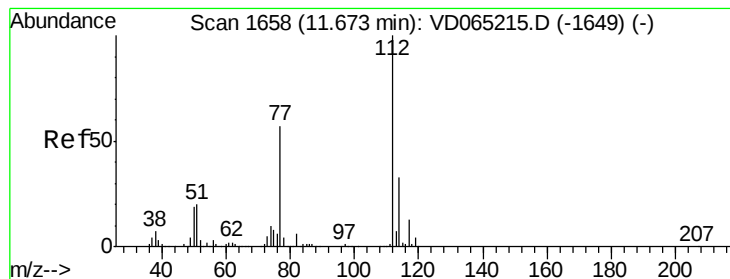
MMDadoda
3/4/2020 2:01:32 PM



#64
Tetrachloroethene
Concen: 6.335 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	98.4	147.6
129	81.6	71.6	107.4
131	85.0	67.3	100.9





#65

Chlorobenzene

Concen: 5.683 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion:112 Resp: 65598

Ion Ratio Lower Upper

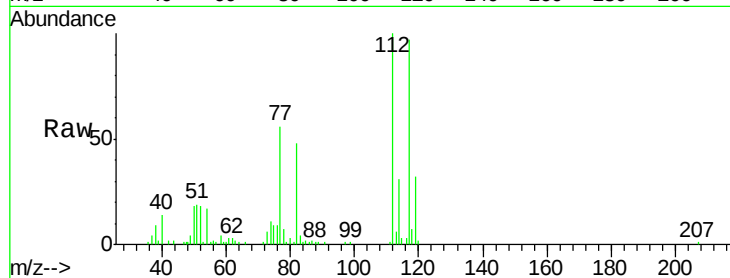
112 100

114 30.7 26.4 39.6

Manual Integrations
APPROVED

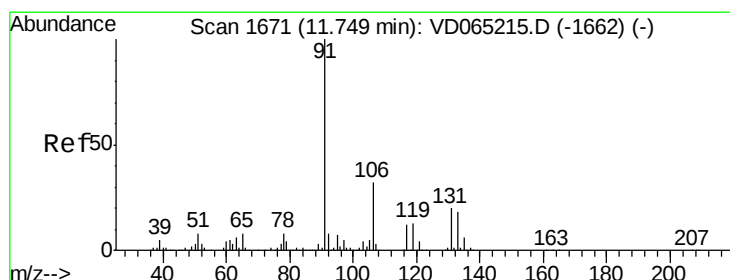
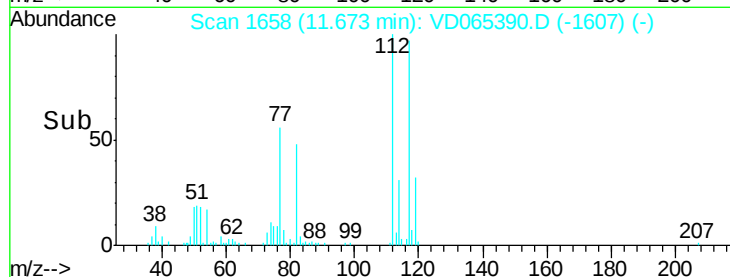
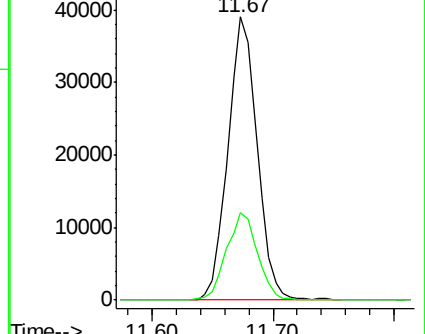
MMDadoda

3/4/2020 2:01:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.485 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

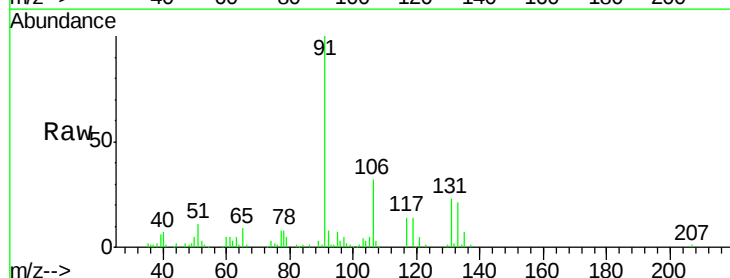
Tgt Ion:131 Resp: 23629

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

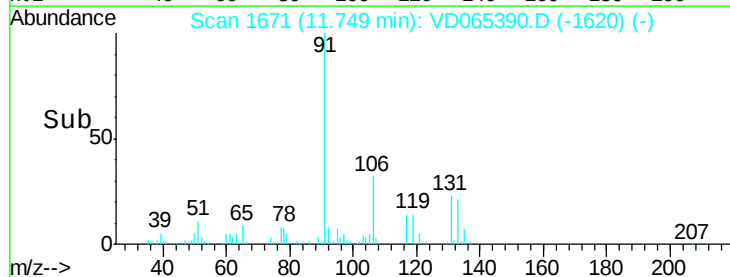
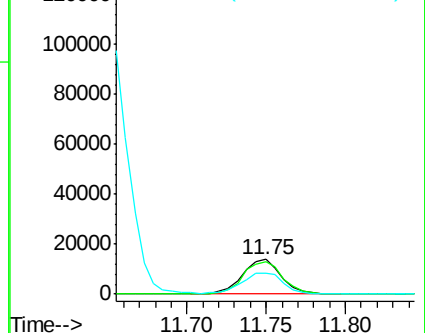
119 66.7 32.7 98.1

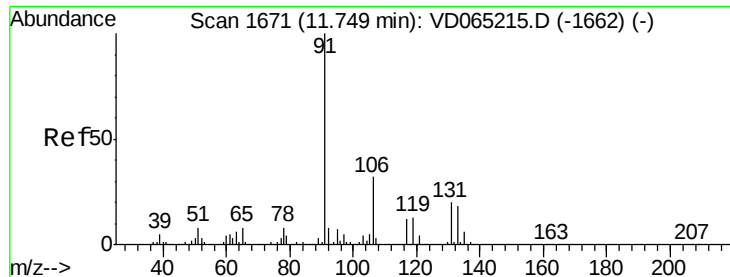


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





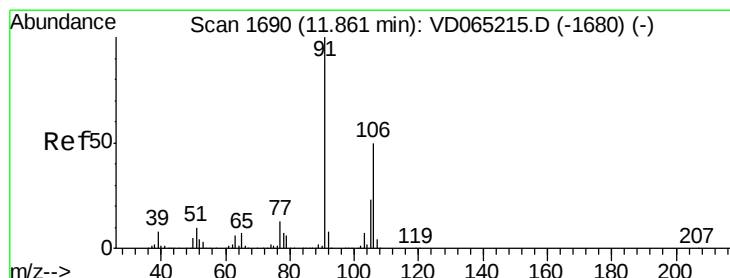
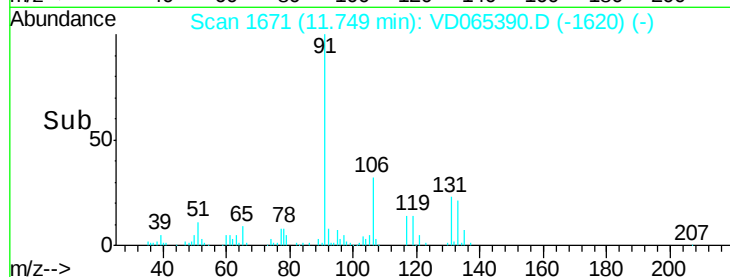
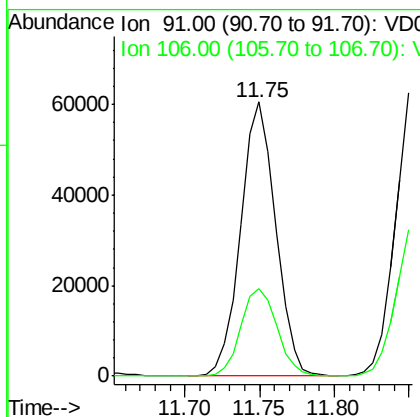
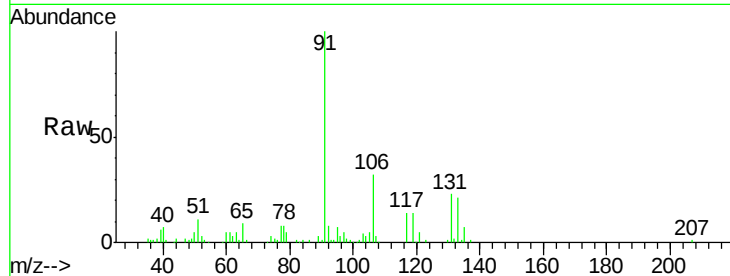
#67
Ethyl Benzene
Concen: 4.862 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion: 91 Resp: 98303
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

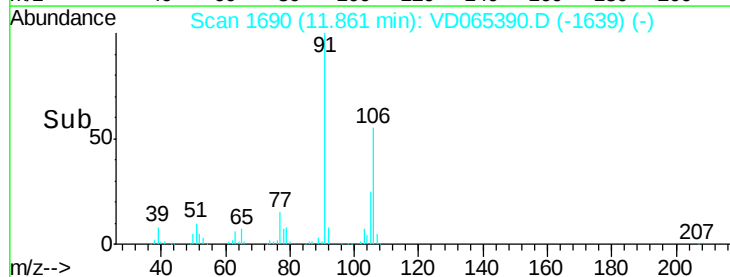
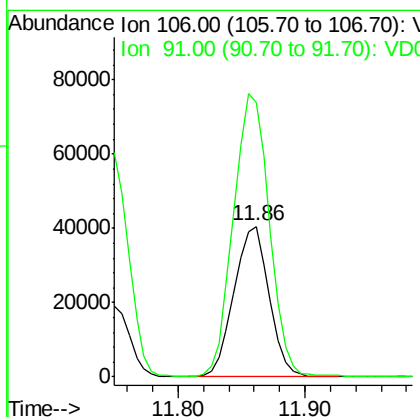
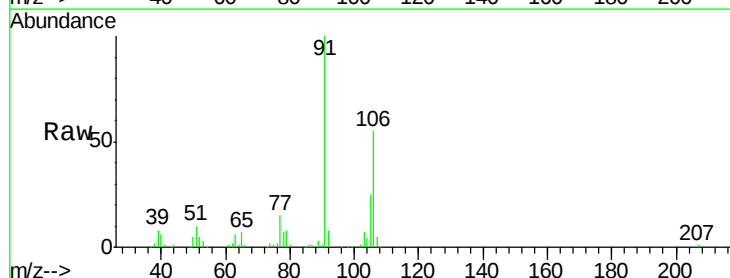
Manual Integrations
APPROVED

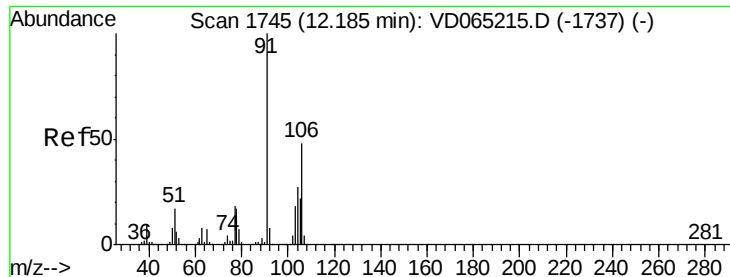
MMDadoda
3/4/2020 2:01:32 PM



#68
m/p-Xylenes
Concen: 10.046 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion: 106 Resp: 77704
Ion Ratio Lower Upper
106 100
91 193.3 158.2 237.4





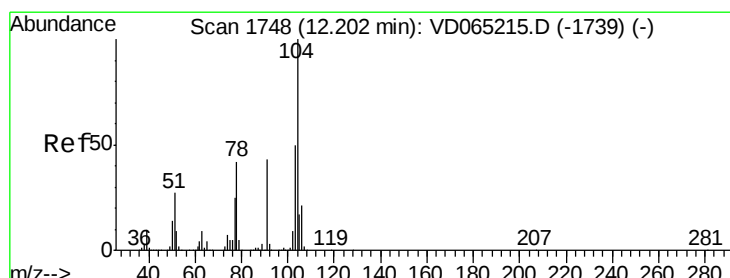
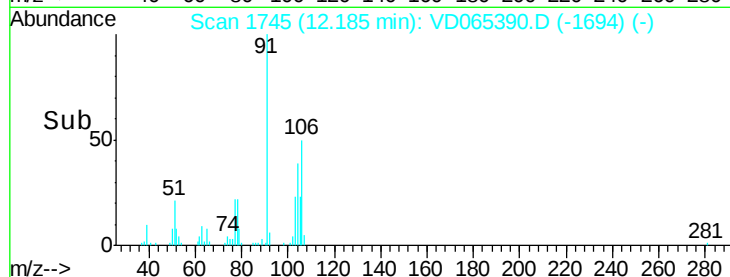
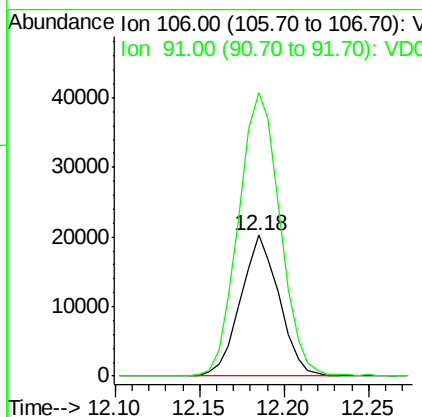
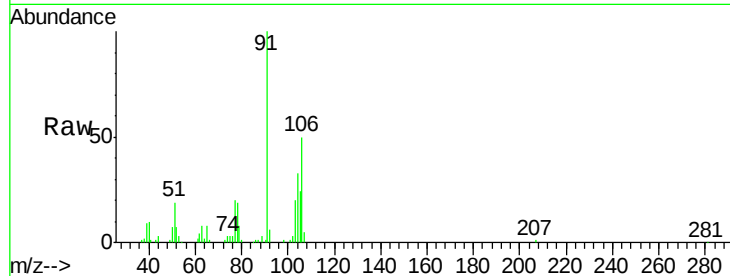
#69
o-Xylene
Concen: 4.687 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.3	104.7	313.9

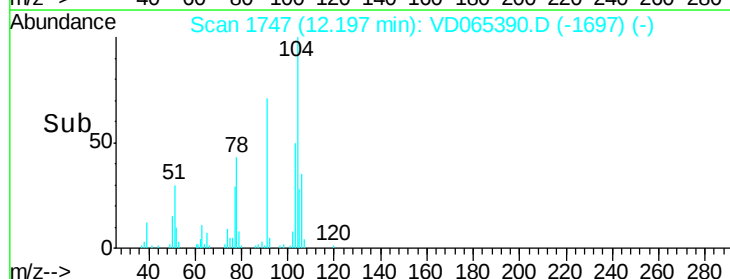
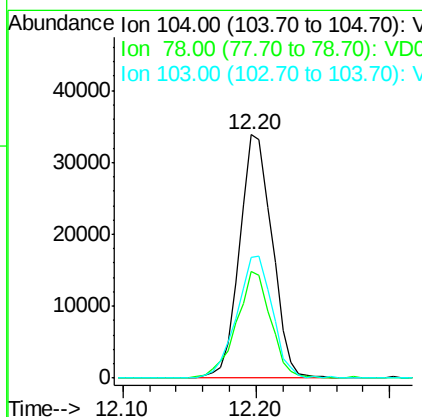
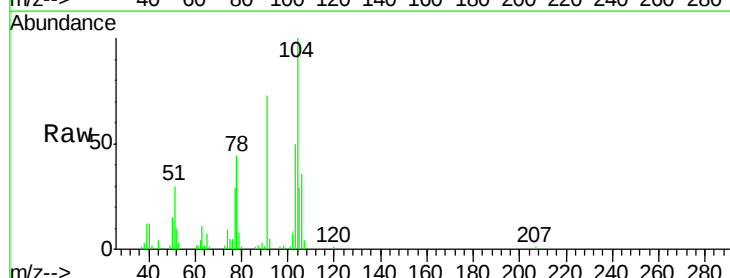
Manual Integrations
APPROVED

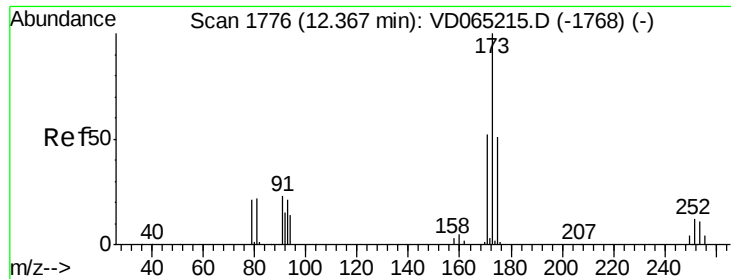
MMDadoda
3/4/2020 2:01:32 PM



#70
Styrene
Concen: 4.702 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.1	37.8	56.6
103	54.4	43.4	65.2





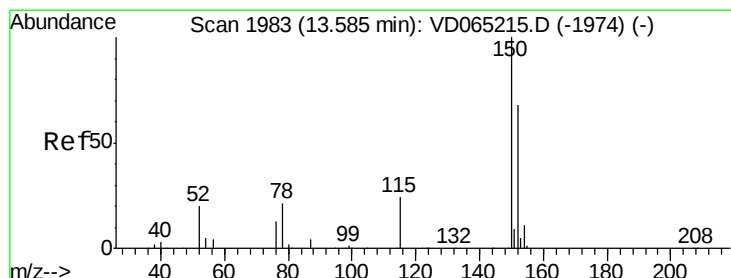
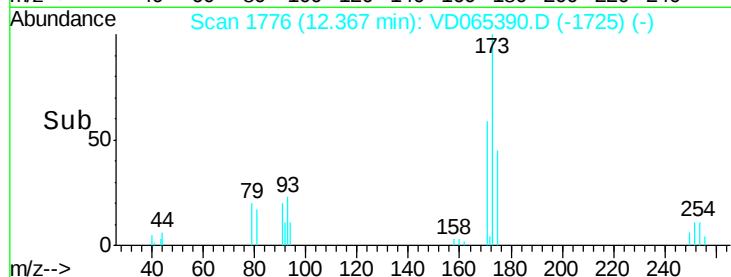
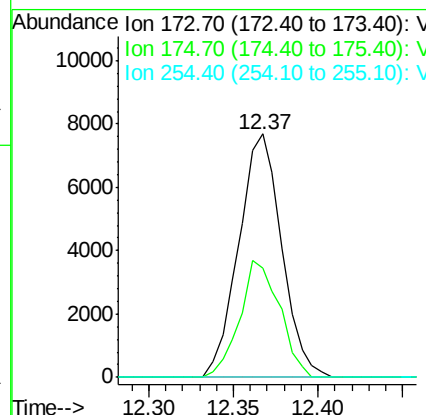
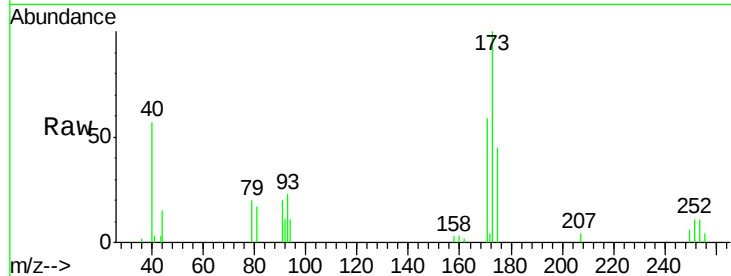
#71
Bromoform
Concen: 5.693 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampled :
VD0306

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.5	24.4	73.4
254	0.0	0.0	0.0

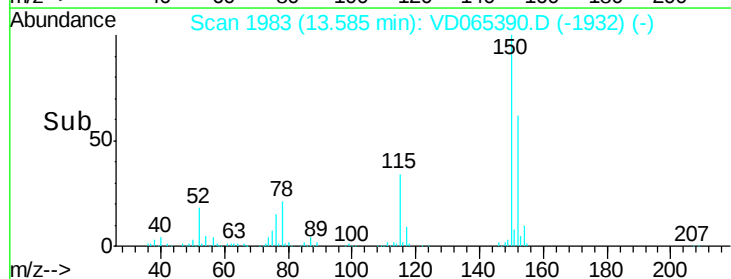
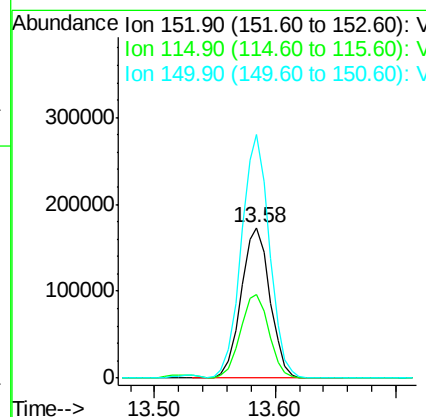
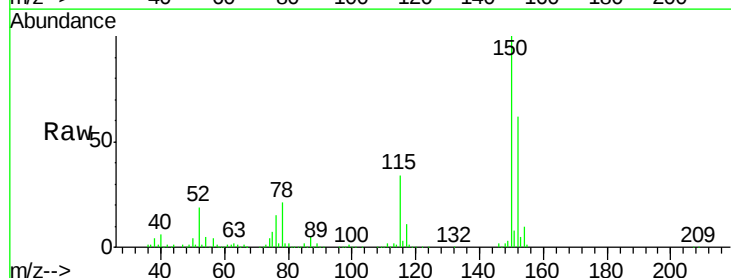
Manual Integrations
APPROVED

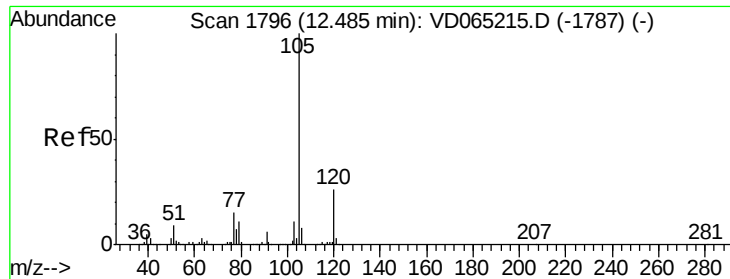
MMDadoda
3/4/2020 2:01:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.6	82.8
150	158.8	0.0	347.4





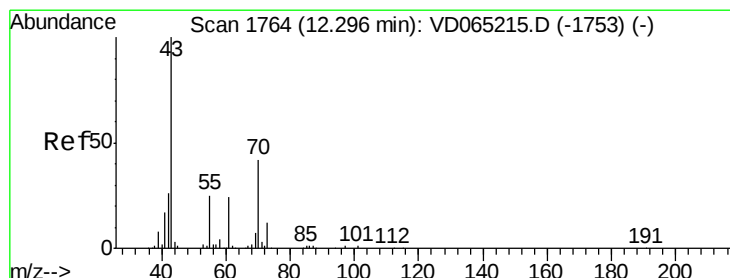
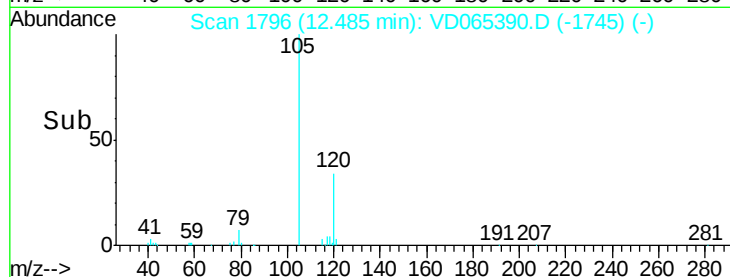
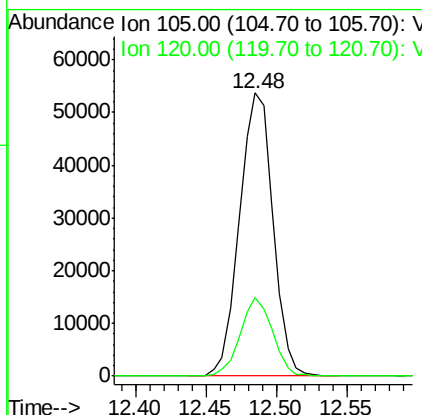
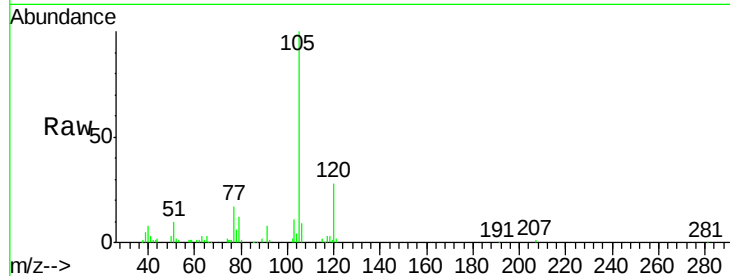
#73
Isopropylbenzene
Concen: 4.693 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

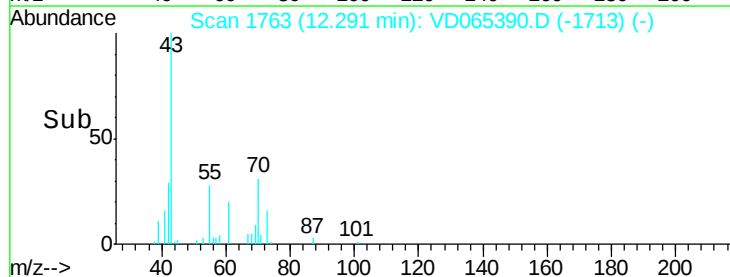
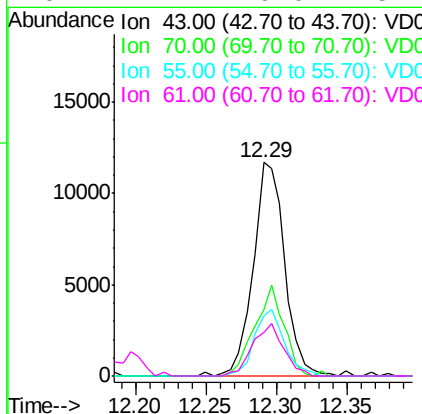
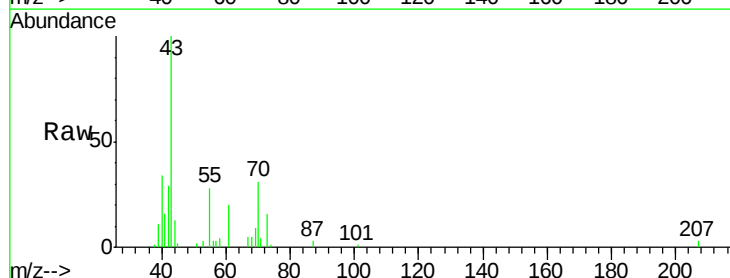
Manual Integrations
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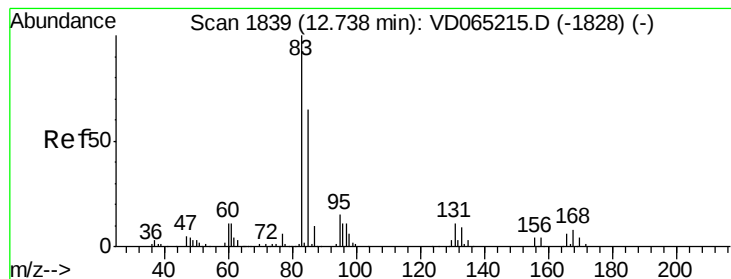
MMDadoda
3/4/2020 2:01:32 PM



#74
N-ethyl acetate
Concen: 4.363 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.2	33.7	50.5
55	29.9	20.7	31.1
61	24.2	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.590 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

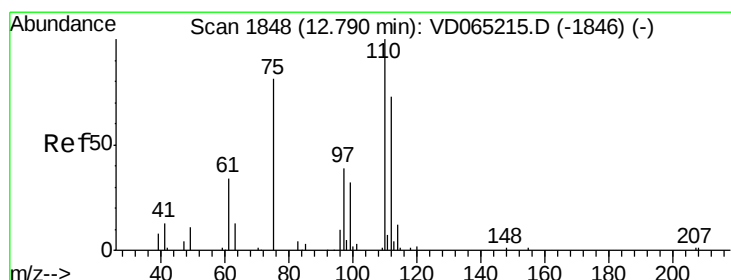
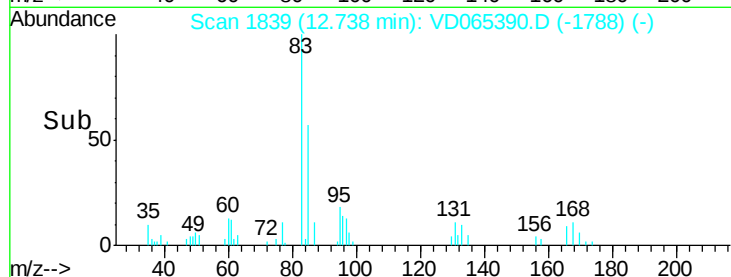
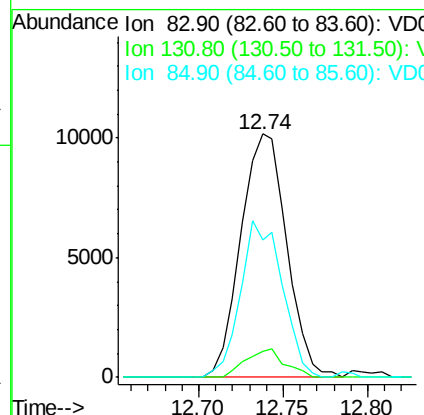
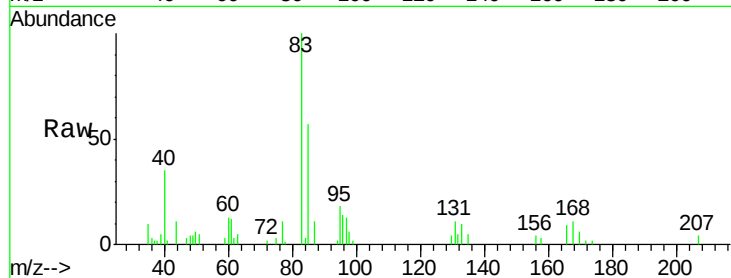
ClientSampled :

VD0306

Tot Ion:	83	Resp:	19181
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.4	16.2
85	58.5	31.6	94.8

Manual Integrations
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3/4/2020 2:01:32 PM



#76

1,2,3-Trichloropropane

Concen: 4.998 ug/l m

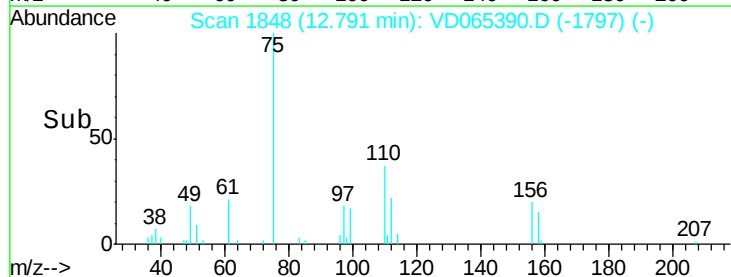
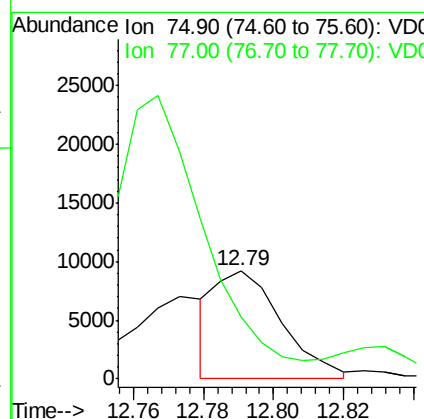
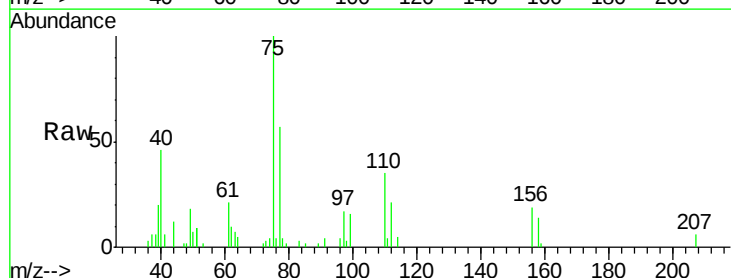
RT: 12.79 min Scan# 1848

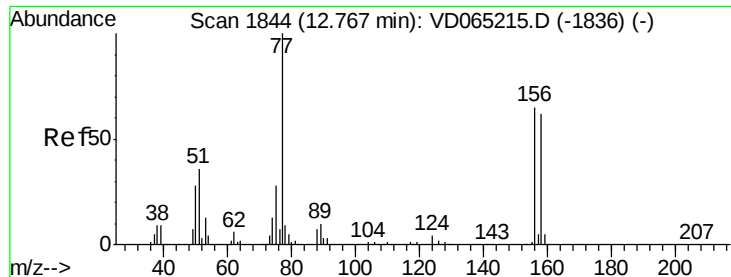
Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	75	Resp:	12211
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.410 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

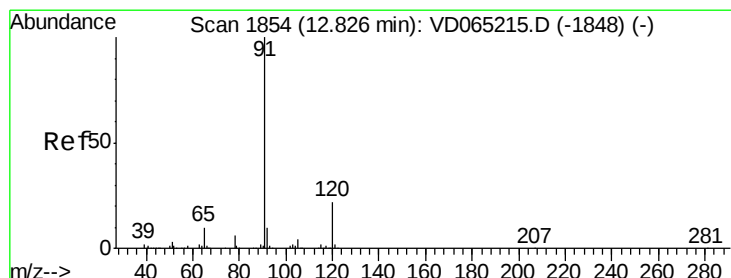
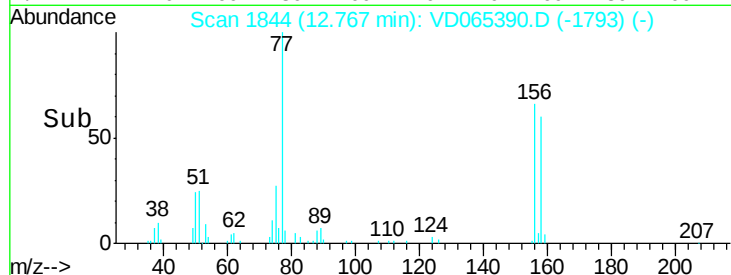
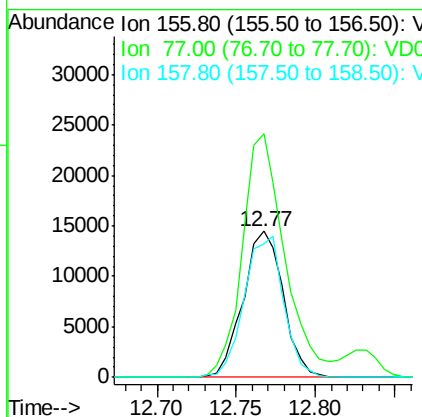
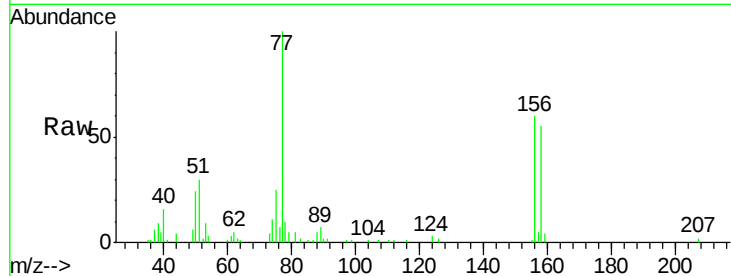
ClientSampled :

VD0306

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.1	86.6	259.7	
158	95.2	48.1	144.3	

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#78

n-propylbenzene

Concen: 5.029 ug/l

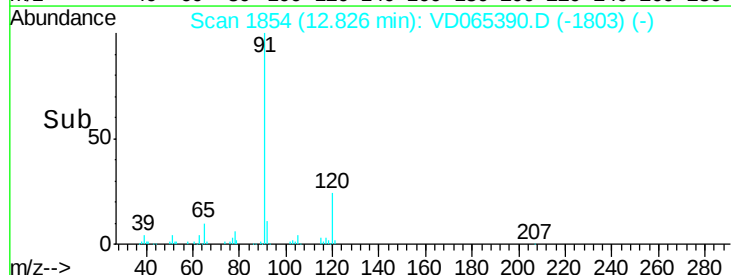
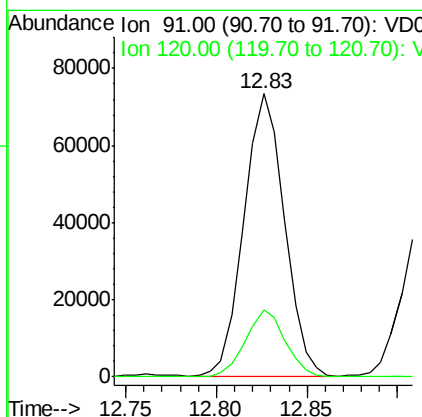
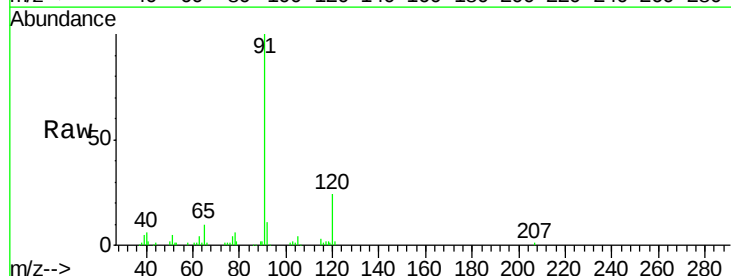
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.5	34.5	





#79

2-Chlorotoluene

Concen: 5.291 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD0306

Tot Ion: 91 Resp: 67714

Ion Ratio Lower Upper

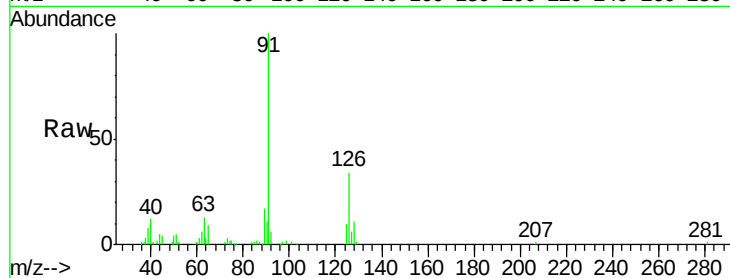
91 100

126 33.9 17.5 52.6

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

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

80000

60000

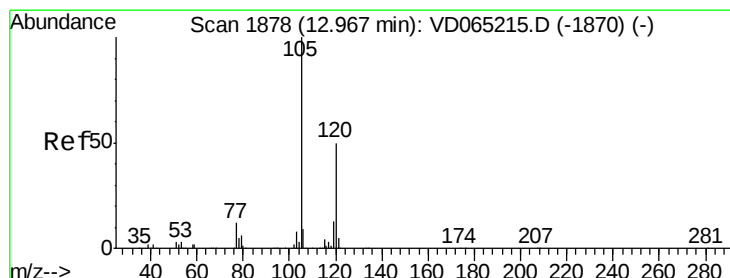
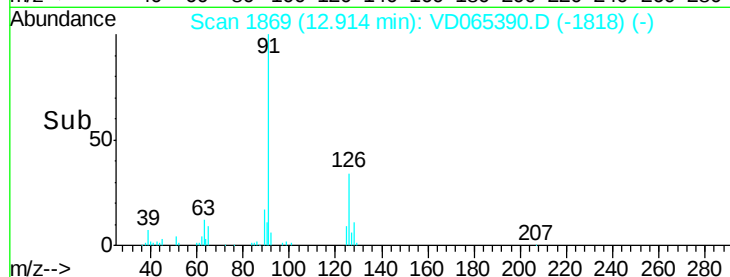
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.787 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065390.D

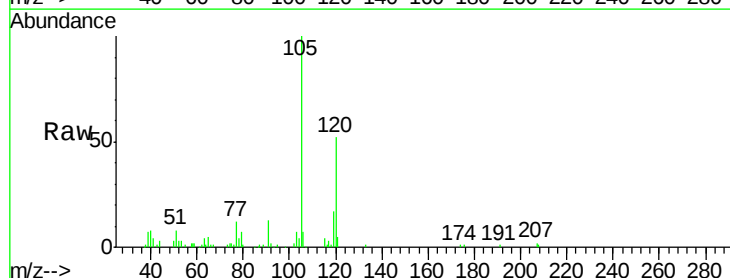
Acq: 03 Mar 2020 13:11

Tgt Ion: 105 Resp: 74959

Ion Ratio Lower Upper

105 100

120 51.8 25.4 76.4



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

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

50000

40000

30000

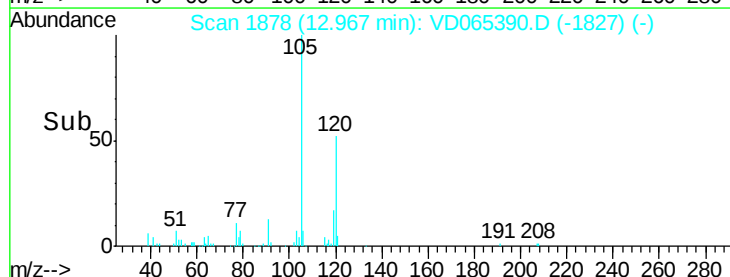
20000

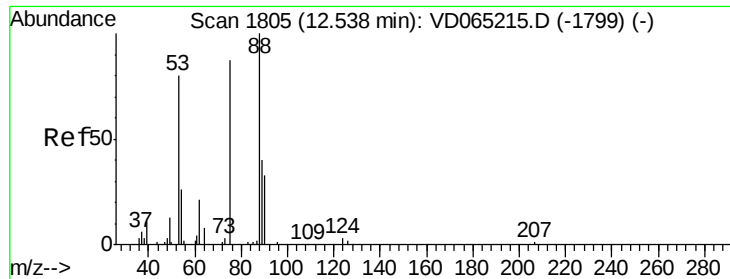
10000

0

12.90 12.95 13.00

Time-->





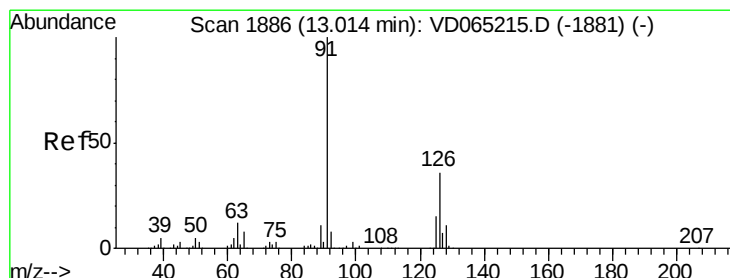
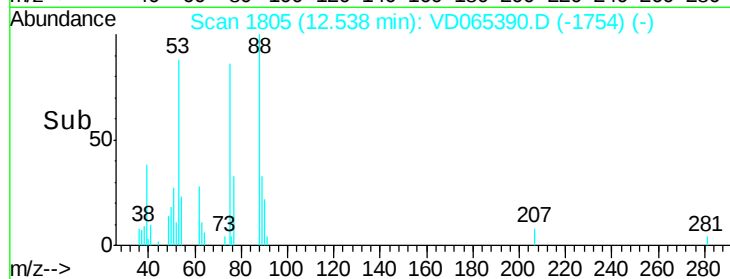
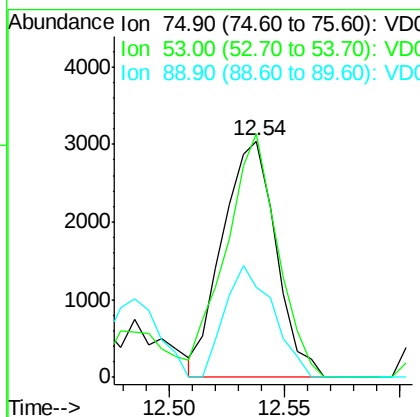
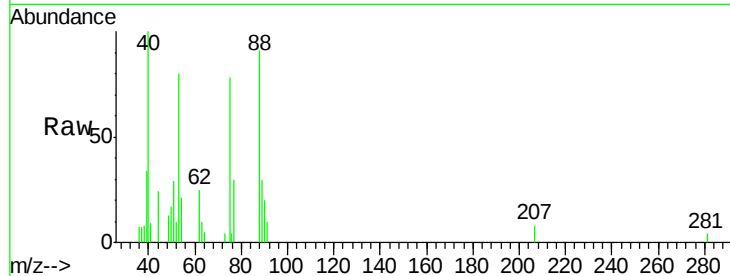
#81
trans-1,4-Dichloro-2-butene
Concen: 4.347 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	77.6	116.4
89	42.9	37.2	55.8

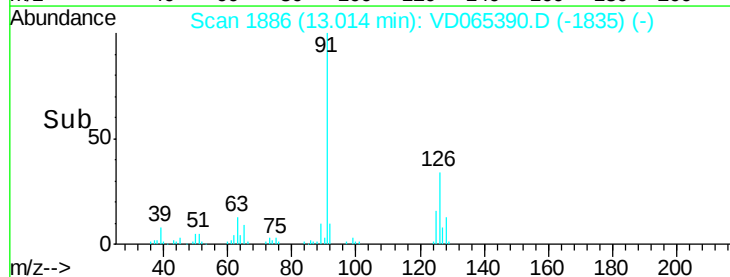
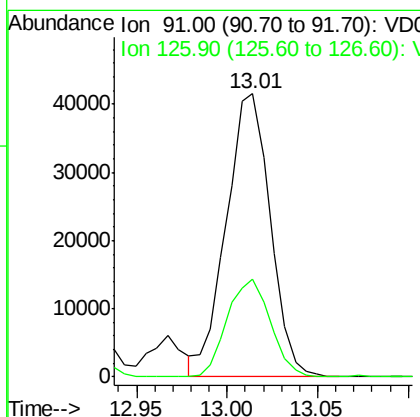
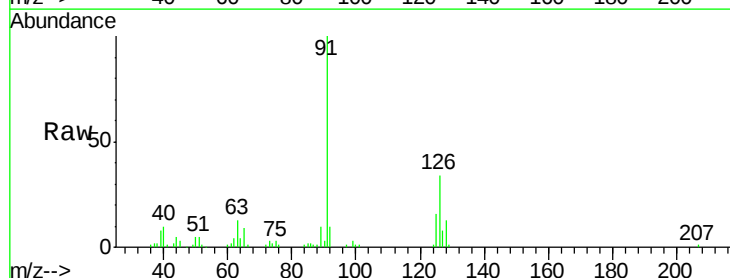
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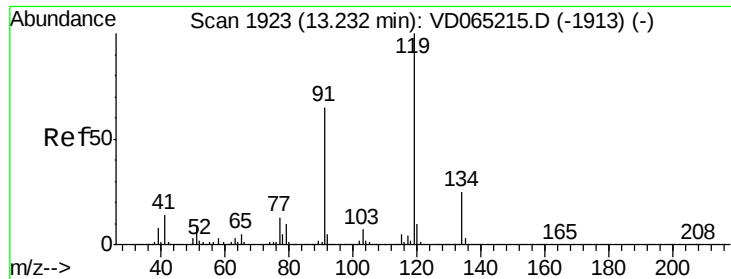
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#82
4-Chlorotoluene
Concen: 5.171 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.4	52.3





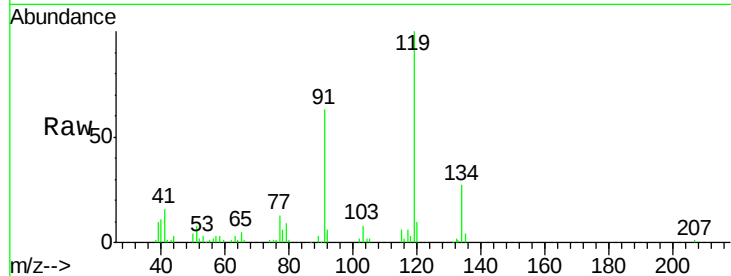
#83
 tert-Butylbenzene
 Concen: 4.754 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0306

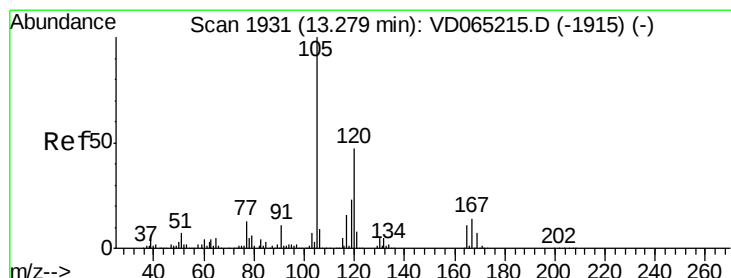
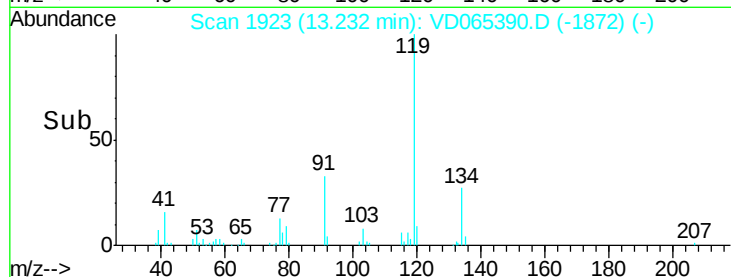
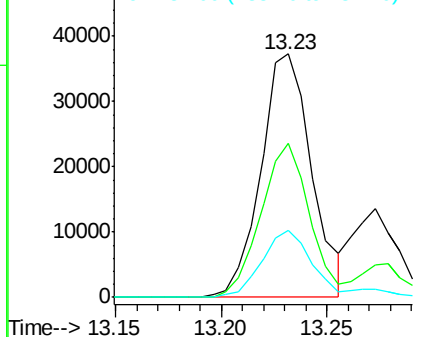
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	31.9	95.5
134	27.0	13.8	41.3

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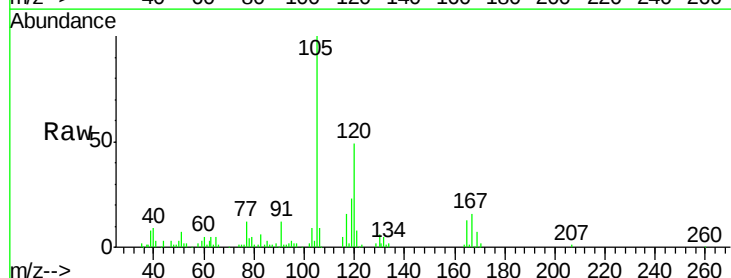


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

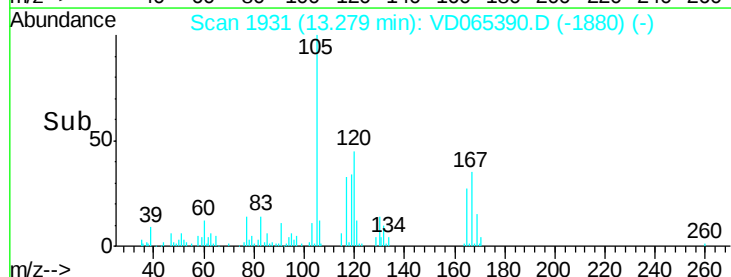
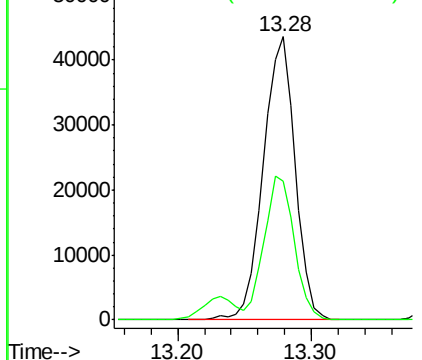


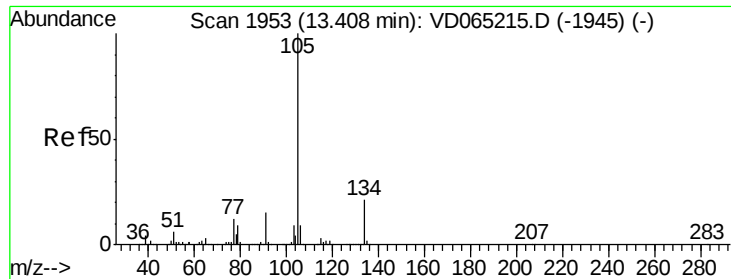
#84
 1,2,4-Trimethylbenzene
 Concen: 4.592 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.3	69.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





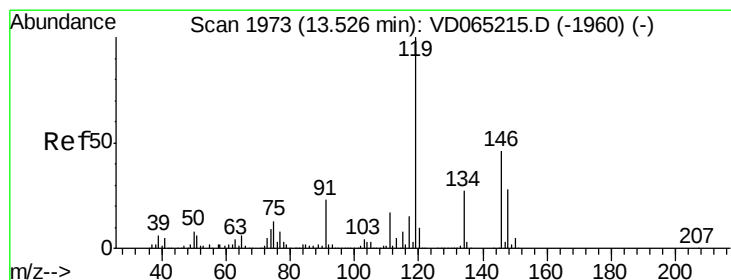
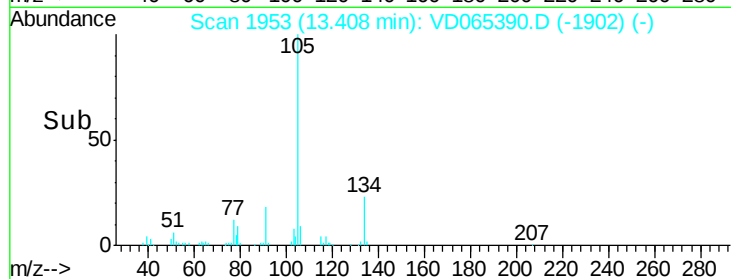
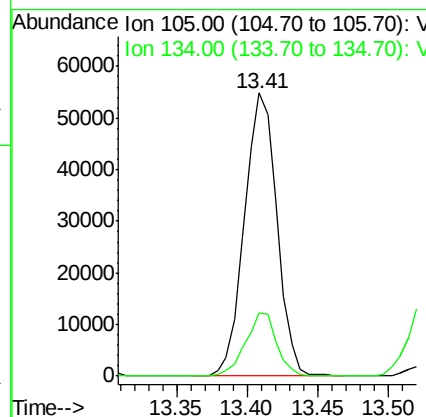
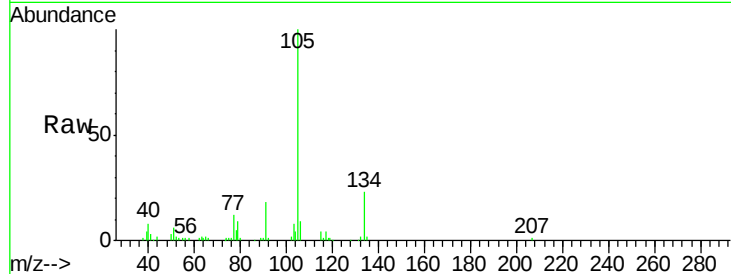
#85
 sec-Butylbenzene
 Concen: 4.681 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampled :
 VD0306

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.3	30.9

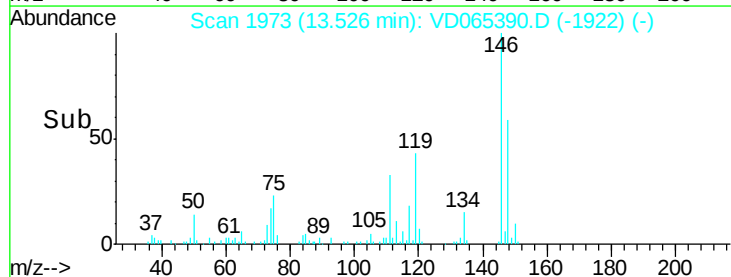
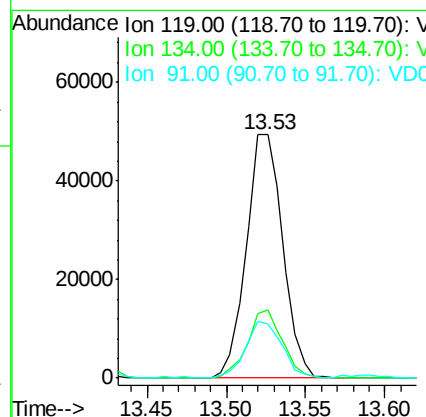
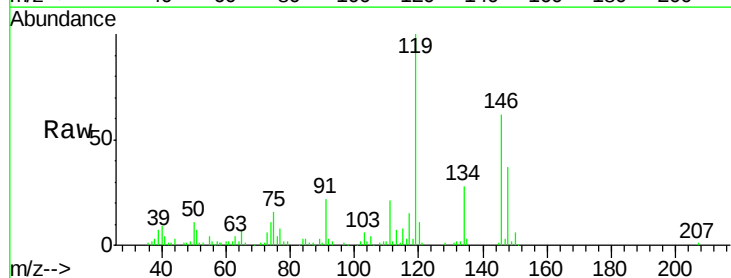
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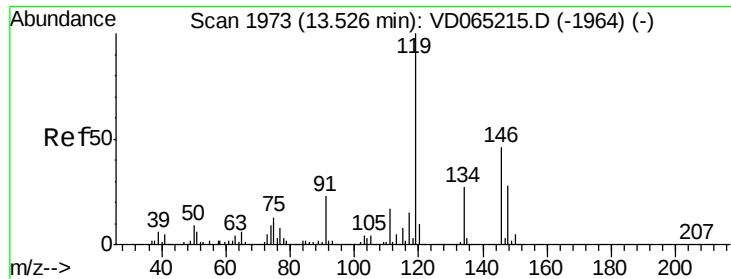
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#86
 p-Isopropyltoluene
 Concen: 4.565 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	23.1	11.1	33.1





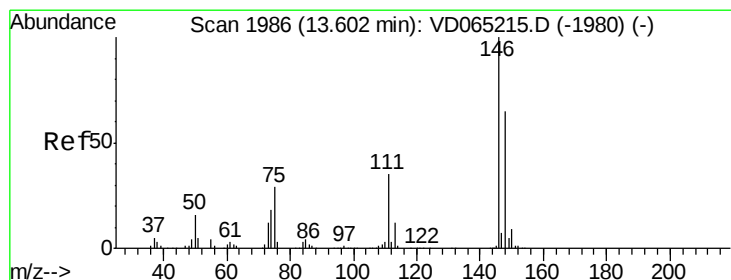
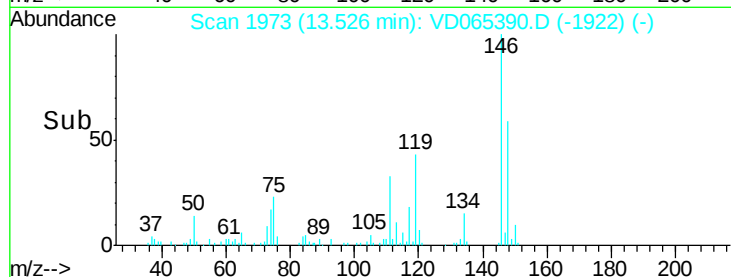
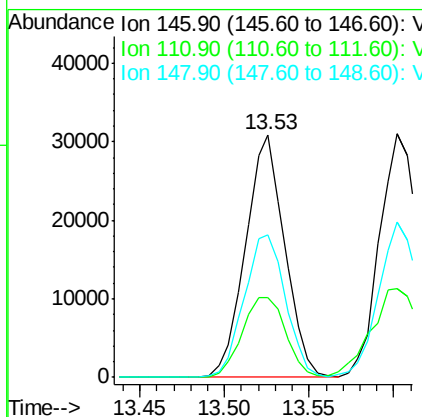
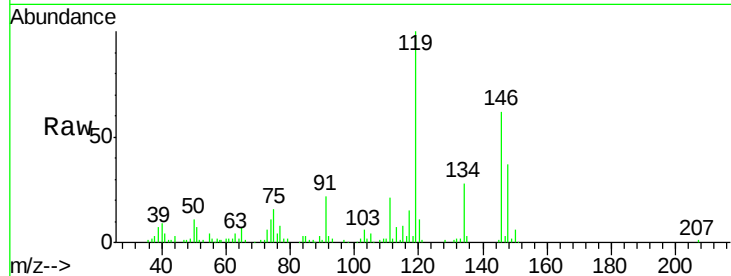
#87
 1,3-Dichlorobenzene
 Concen: 5.448 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	62.2	31.4	94.3

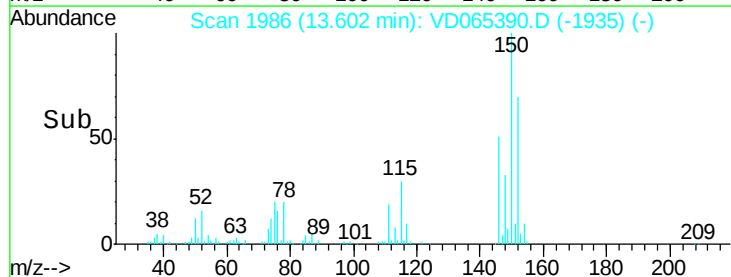
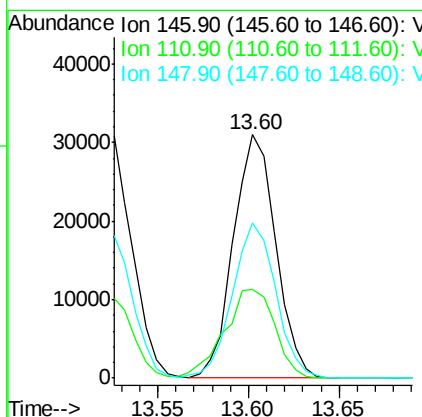
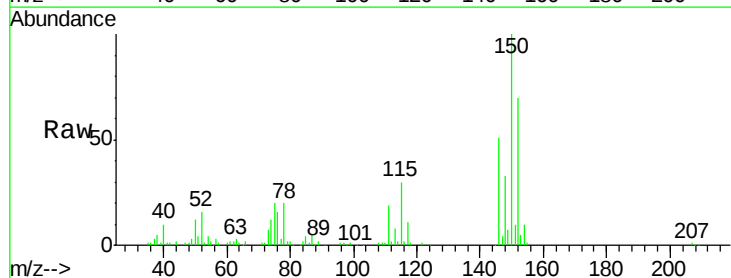
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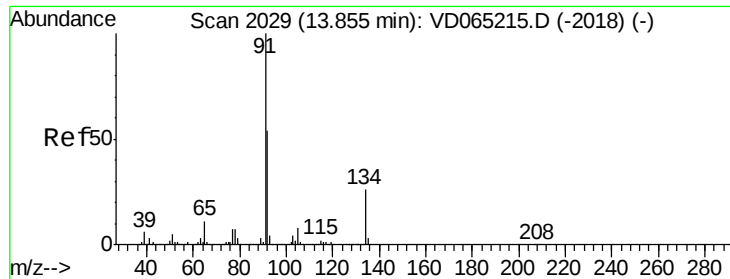
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#88
 1,4-Dichlorobenzene
 Concen: 5.593 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.4	55.2
148	65.2	32.1	96.5





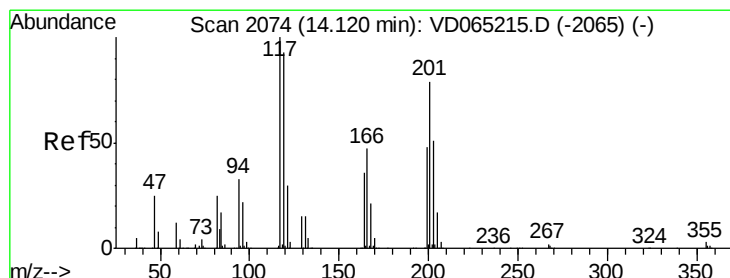
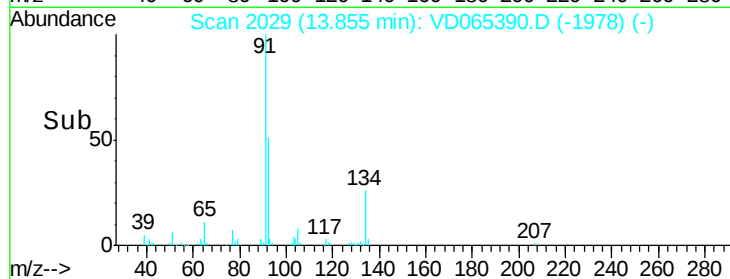
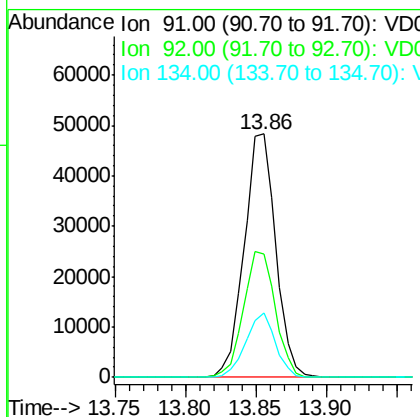
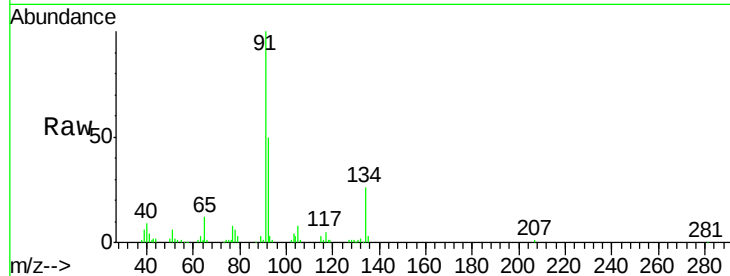
#89
n-Butylbenzene
Concen: 4.764 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD0306

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.0	80.8
134	24.5	13.5	40.4

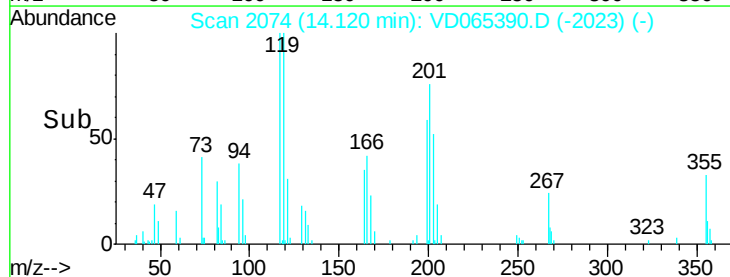
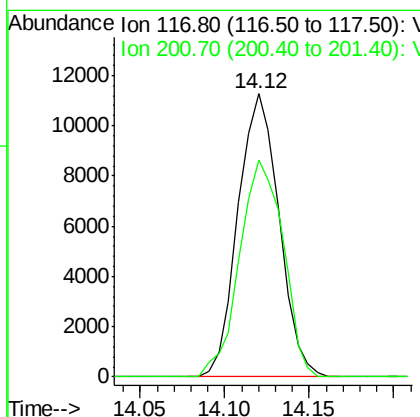
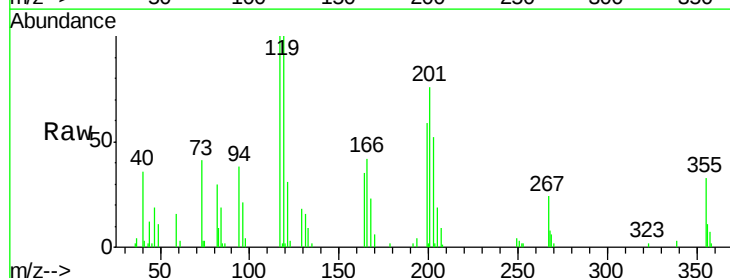
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#90
Hexachloroethane
Concen: 5.429 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065390.D
Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.3	124.1





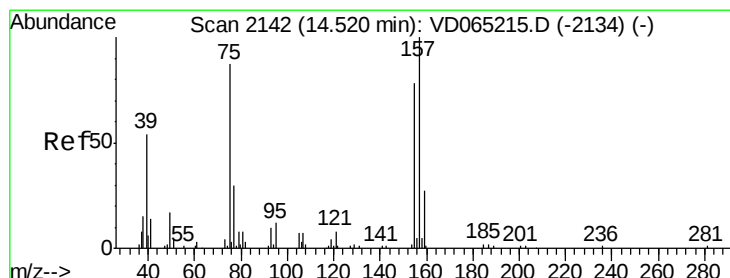
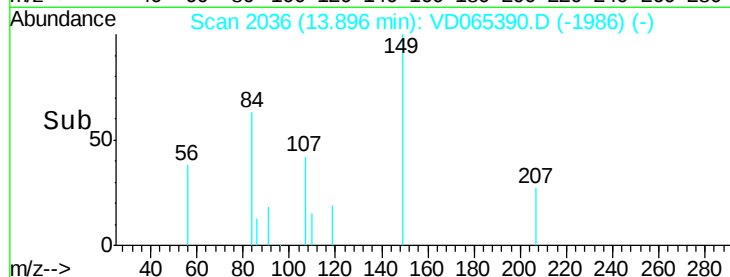
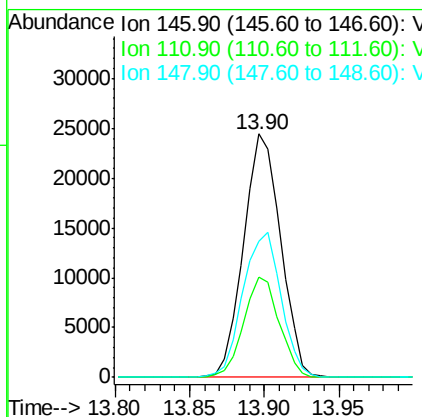
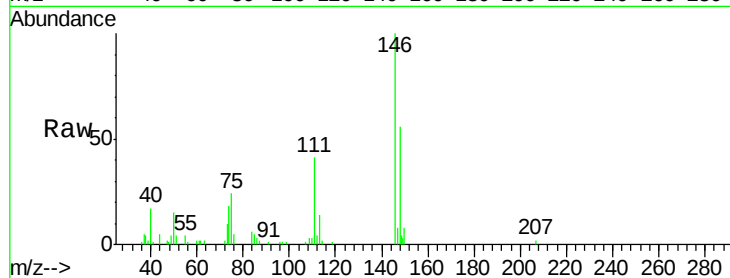
#91
 1,2-Dichlorobenzene
 Concen: 5.373 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	61.4	32.0	96.2

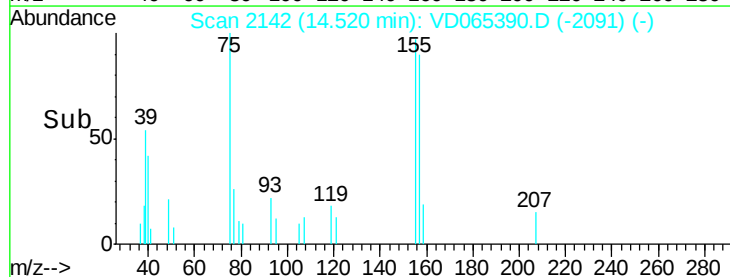
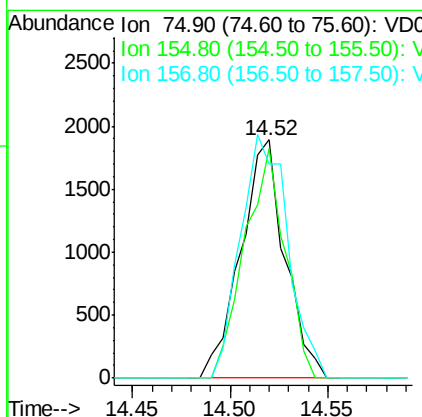
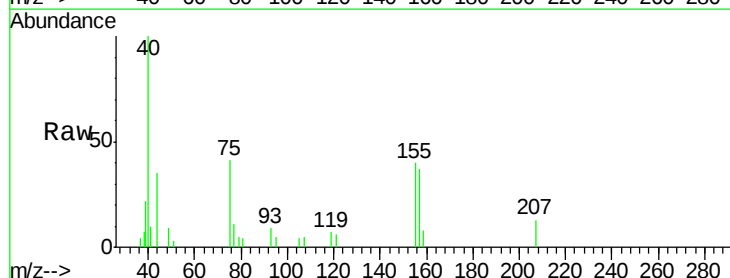
Manual Integrations
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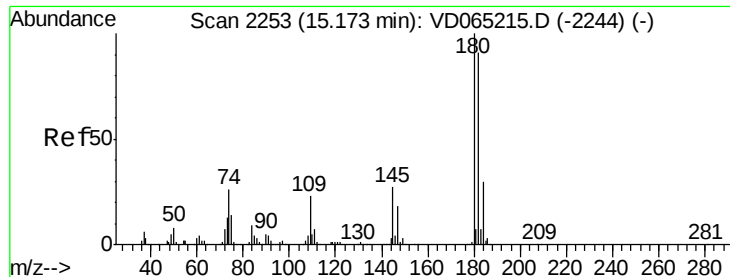
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.608 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	42.3	126.9
157	109.3	56.7	170.1





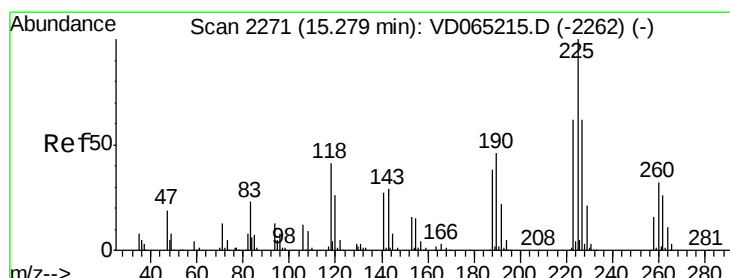
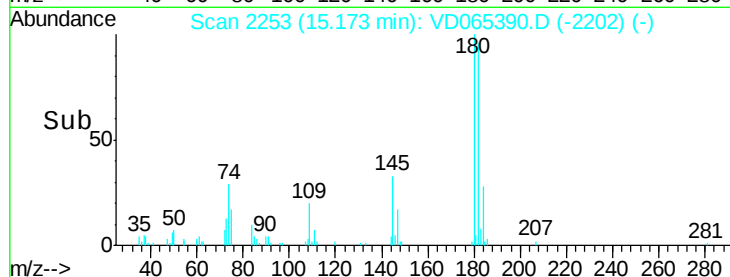
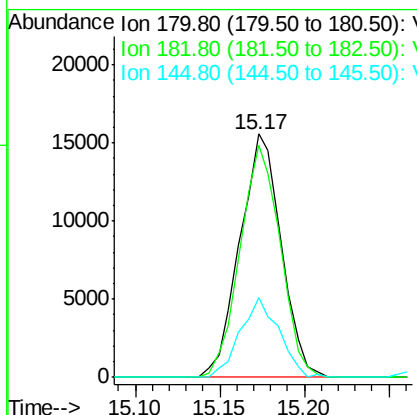
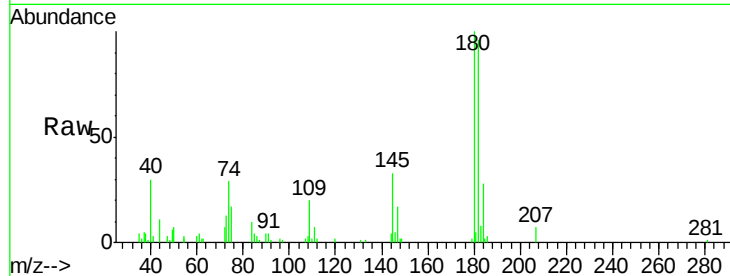
#93
 1,2,4-Trichlorobenzene
 Concen: 5.185 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26576		
182	92.5	46.9	140.6	
145	30.5	13.9	41.7	

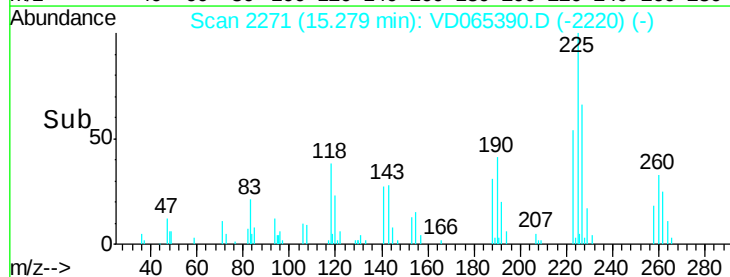
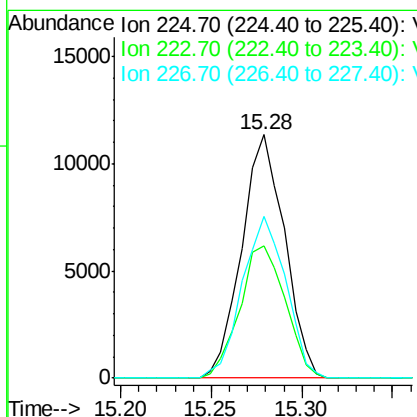
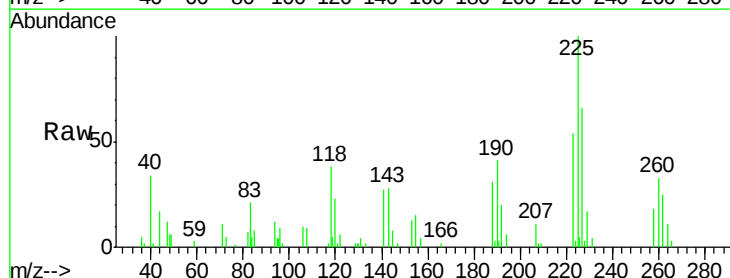
Manual Integrations
 APPROVED

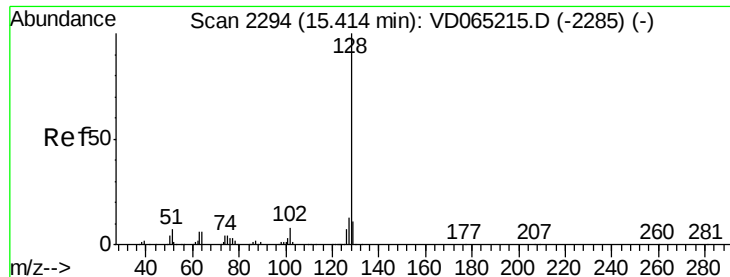
MMDadoda
 3/4/2020 2:01:32 PM



#94
 Hexachlorobutadiene
 Concen: 5.691 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065390.D
 Acq: 03 Mar 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18714		
223	57.7	31.4	94.2	
227	67.6	31.7	95.1	





#95

Naphthalene

Concen: 4.183 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Instrument :

MSVOA_D

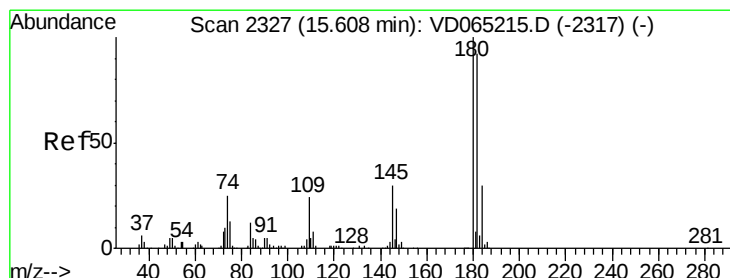
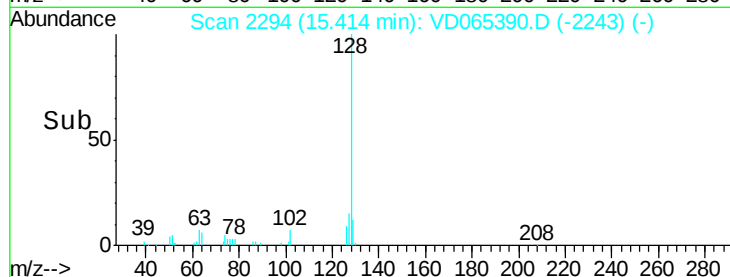
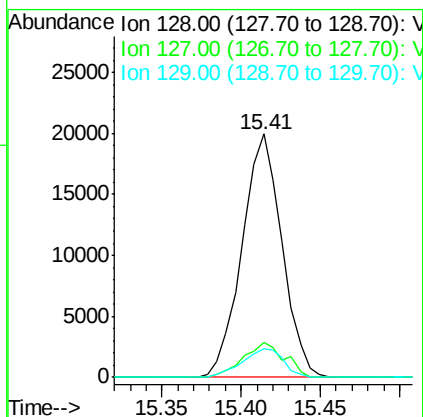
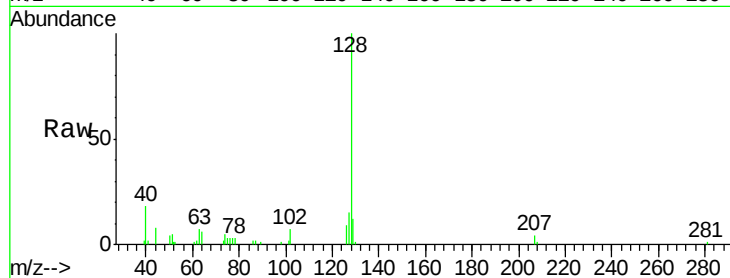
ClientSampled :

VD0306

Tot Ion:	128	Resp:	34854
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.3	15.5
129	12.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.059 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065390.D

Acq: 03 Mar 2020 13:11

Tgt Ion:	180	Resp:	22647
Ion Ratio	Lower	Upper	
180	100		
182	93.5	46.9	140.6
145	31.2	15.4	46.1

