

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065270.D
 Acq On : 21 Feb 2020 12:45
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:48 AM

Quant Time: Feb 22 02:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	649795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213587	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.92	113	220442	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	873353	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	275839	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73533	18.280	ug/l	97
3) Chloromethane	2.21	50	99294	19.393	ug/l	97
4) Vinyl Chloride	2.35	62	99216	19.057	ug/l	98
5) Bromomethane	2.76	94	63157	20.063	ug/l	96
6) Chloroethane	2.92	64	61409	19.323	ug/l	97
7) Trichlorofluoromethane	3.27	101	146845	19.700	ug/l	97
8) Diethyl Ether	3.71	74	45349	20.155	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93760	19.918	ug/l	99
10) Methyl Iodide	4.30	142	94918	19.421	ug/l	99
11) Tert butyl alcohol	5.26	59	23204	90.001	ug/l	99
12) 1,1-Dichloroethene	4.07	96	89755	20.185	ug/l	98
13) Acrolein	3.93	56	39552	108.707	ug/l	97
14) Allyl chloride	4.71	41	144183	19.967	ug/l	100
15) Acrylonitrile	5.43	53	99341	99.725	ug/l	99
16) Acetone	4.17	43	96308	91.314	ug/l	98
17) Carbon Disulfide	4.40	76	294816	19.776	ug/l	99
18) Methyl Acetate	4.73	43	47803	20.152	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	180516	19.467	ug/l	98
20) Methylene Chloride	4.97	84	116934	22.357	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	102411	20.259	ug/l	97
22) Diisopropyl ether	6.37	45	288679	20.738	ug/l	99
23) Vinyl Acetate	6.31	43	741162	96.578	ug/l	99
24) 1,1-Dichloroethane	6.27	63	175519	20.328	ug/l	95
25) 2-Butanone	7.22	43	124437	93.253	ug/l	93
26) 2,2-Dichloropropane	7.21	77	150216	20.052	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	108033	20.176	ug/l	99
28) Bromochloromethane	7.55	49	59578	18.599	ug/l	99
29) Tetrahydrofuran	7.57	42	76962	98.435	ug/l	98
30) Chloroform	7.71	83	178093	20.473	ug/l	96
31) Cyclohexane	7.98	56	165263	19.481	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	157587	20.248	ug/l	100
36) 1,1-Dichloropropene	8.11	75	139612	19.933	ug/l	99
37) Ethyl Acetate	7.30	43	56215	19.199	ug/l	97
38) Carbon Tetrachloride	8.10	117	141379	19.828	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163868	19.901	ug/l	98
40) Benzene	8.36	78	400115	20.239	ug/l	100
41) Methacrylonitrile	7.53	41	29654	17.540	ug/l	96
42) 1,2-Dichloroethane	8.43	62	108582	19.978	ug/l	100
43) Isopropyl Acetate	8.46	43	101935	19.144	ug/l	99
44) Trichloroethene	9.11	130	111562	20.358	ug/l	97
45) 1,2-Dichloropropane	9.39	63	98110	19.958	ug/l	97
46) Dibromomethane	9.48	93	51371	20.310	ug/l	99
47) Bromodichloromethane	9.67	83	133488	20.026	ug/l	99
48) Methyl methacrylate	9.46	41	51679	20.998	ug/l	97
49) 1,4-Dioxane	9.47	88	11921	401.849	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	263824	97.553	ug/l	100
52) Toluene	10.41	92	259833	21.233	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	121375	19.645	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	151582	20.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71530	20.092	ug/l	94
56) Ethyl methacrylate	10.67	69	79238	19.284	ug/l	100
57) 1,3-Dichloropropane	10.95	76	123027	20.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	118933	91.806	ug/l	99
59) 2-Hexanone	10.99	43	182994	94.525	ug/l	97
60) Dibromochloromethane	11.14	129	91110	19.995	ug/l	99
61) 1,2-Dibromoethane	11.25	107	68669	20.372	ug/l	97
64) Tetrachloroethene	10.88	164	95322	20.684	ug/l	95
65) Chlorobenzene	11.67	112	268262	20.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96982	19.930	ug/l	98
67) Ethyl Benzene	11.75	91	468084	20.496	ug/l	98
68) m/p-Xylenes	11.86	106	368013	42.119	ug/l	100
69) o-Xylene	12.18	106	161494	20.862	ug/l	99
70) Styrene	12.20	104	286624	20.855	ug/l	100
71) Bromoform	12.37	173	53640	19.865	ug/l #	98
73) Isopropylbenzene	12.48	105	437103	20.542	ug/l	99
74) N-amyl acetate	12.30	43	88201	18.655	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	76858	20.014	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	50403m	18.432	ug/l	
77) Bromobenzene	12.77	156	108711	20.575	ug/l	99
78) n-propylbenzene	12.83	91	541441	21.175	ug/l	99
79) 2-Chlorotoluene	12.91	91	292498	20.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364504	20.799	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23935	18.899	ug/l	95
82) 4-Chlorotoluene	13.01	91	316126	20.787	ug/l	100
83) tert-Butylbenzene	13.23	119	299375	20.382	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	369836	21.084	ug/l	99
85) sec-Butylbenzene	13.41	105	436043	20.602	ug/l	100
86) p-Isopropyltoluene	13.53	119	410167	21.191	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	206560	20.222	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	206065	20.440	ug/l	99
89) n-Butylbenzene	13.86	91	368740	20.674	ug/l	99
90) Hexachloroethane	14.12	117	79669	20.272	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181621	20.708	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11305	19.103	ug/l	96

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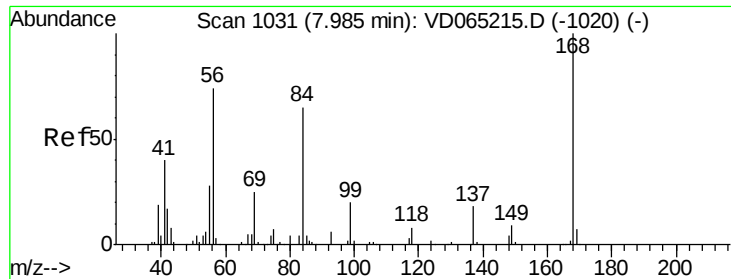
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119668	20.859	ug/l	100
94) Hexachlorobutadiene	15.28	225	75437	20.498	ug/l	99
95) Naphthalene	15.41	128	183711	19.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105078	20.972	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion:168 Resp: 479602

Ion Ratio Lower Upper

168 100

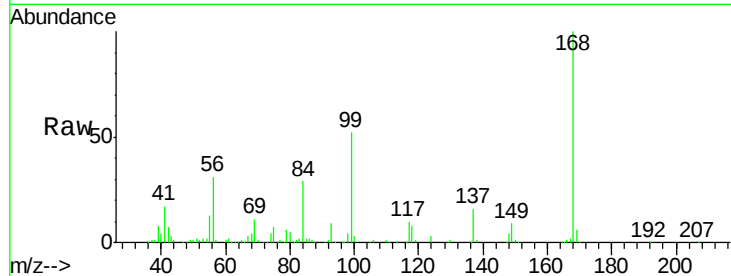
99 51.5 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

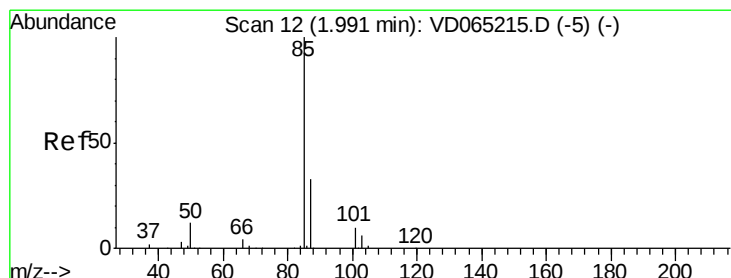
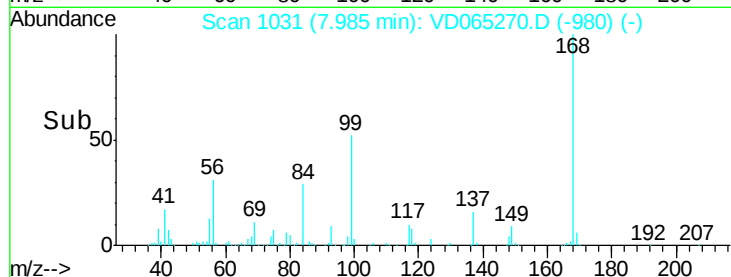
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.280 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065270.D

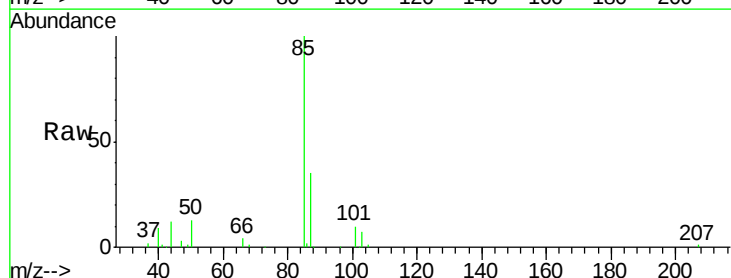
Acq: 21 Feb 2020 12:45

Tgt Ion: 85 Resp: 73533

Ion Ratio Lower Upper

85 100

87 34.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

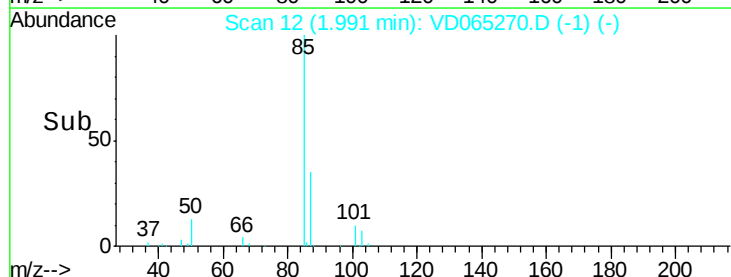
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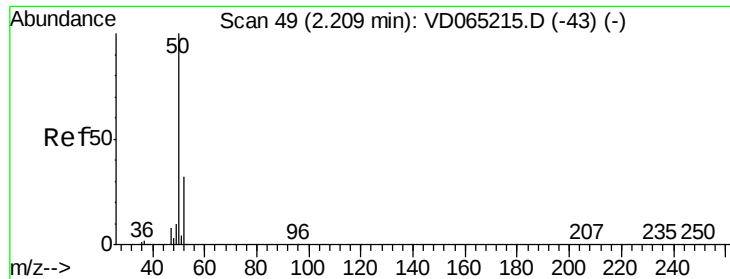
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 50 Resp: 99294

Ion Ratio Lower Upper

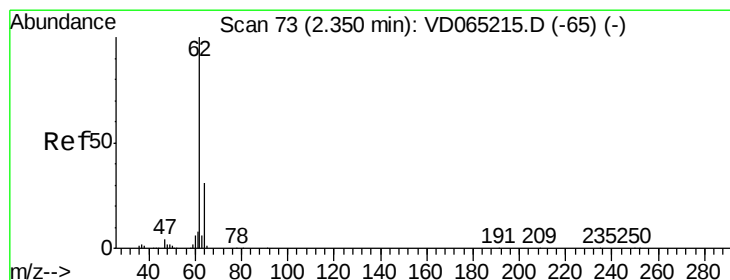
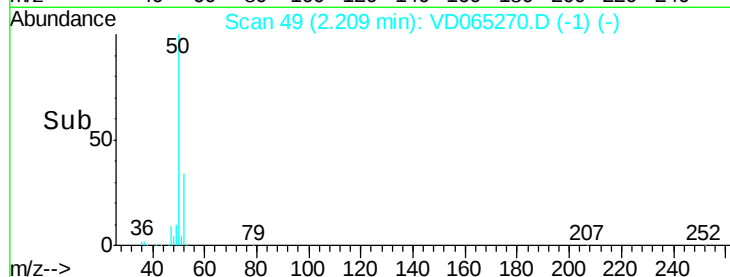
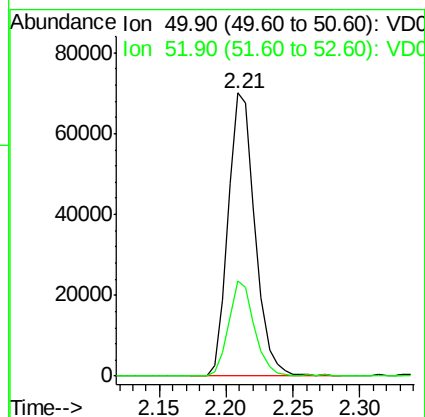
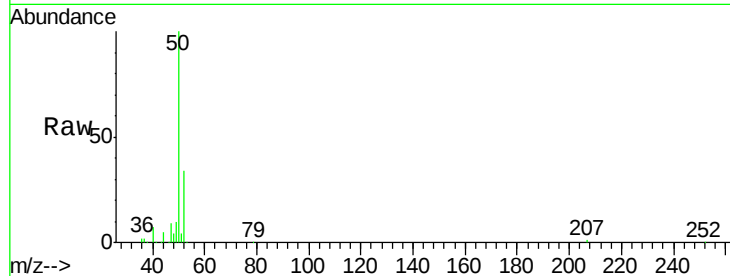
50 100

52 33.7 25.5 38.3

Manual Integrations
APPROVED

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2/24/2020 11:08:48 AM



#4

Vinyl Chloride

Concen: 19.057 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065270.D

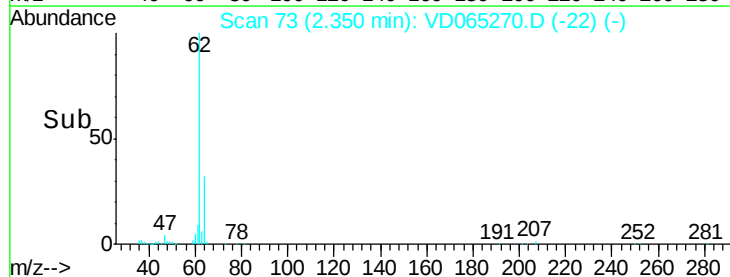
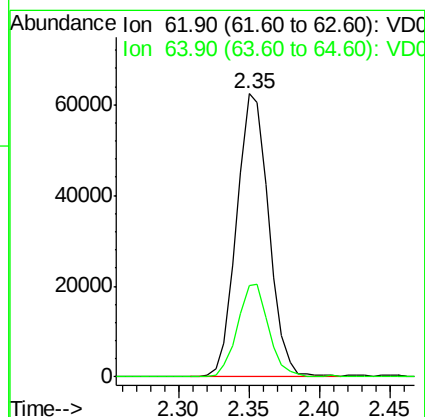
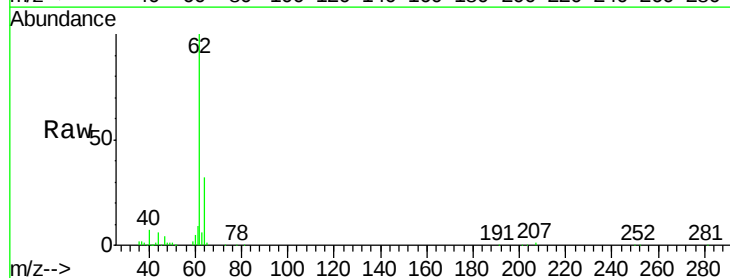
Acq: 21 Feb 2020 12:45

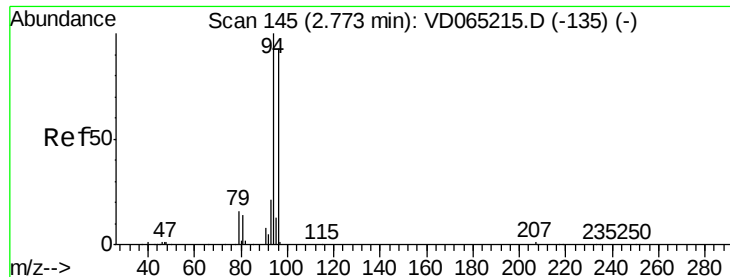
Tgt Ion: 62 Resp: 99216

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6





#5

Bromomethane

Concen: 20.063 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 94 Resp: 63157

Ion Ratio Lower Upper

94 100

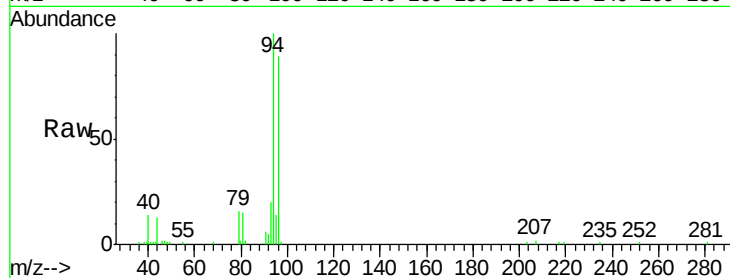
96 89.3 74.2 111.4

Manual Integrations

APPROVED

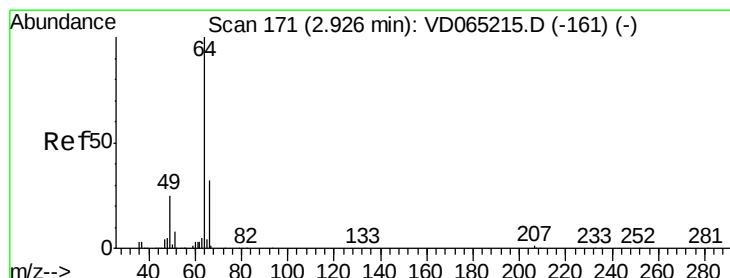
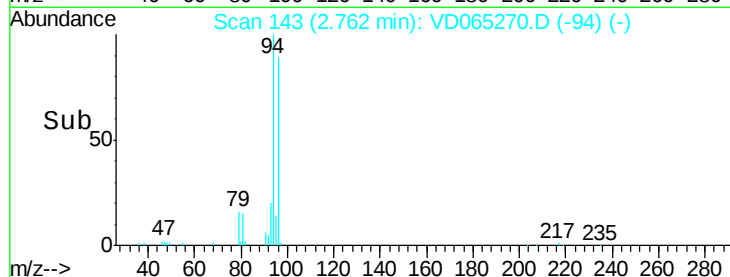
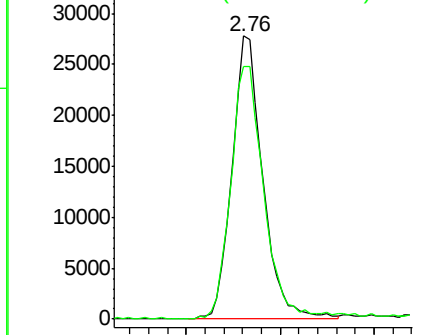
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2/24/2020 11:08:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.323 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065270.D

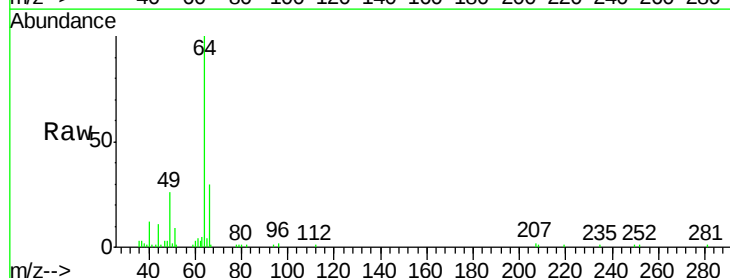
Acq: 21 Feb 2020 12:45

Tgt Ion: 64 Resp: 61409

Ion Ratio Lower Upper

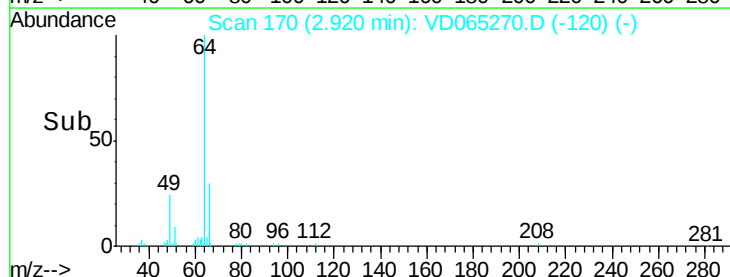
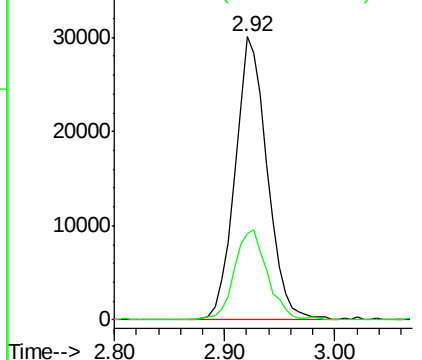
64 100

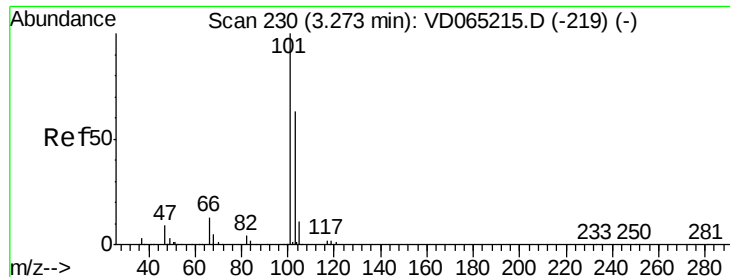
66 30.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

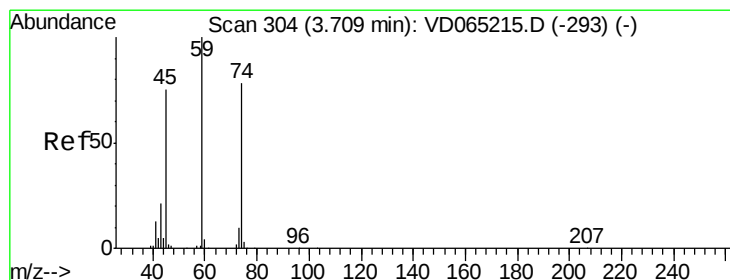
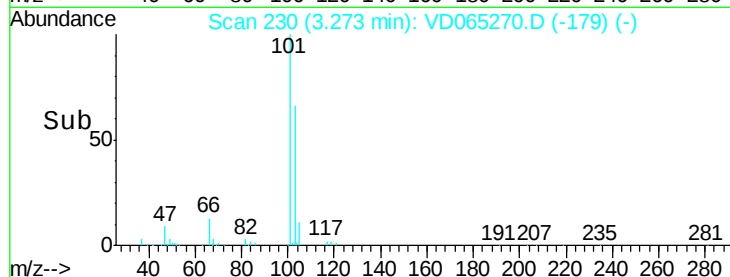
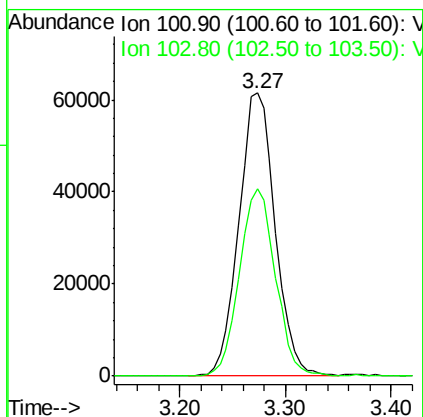
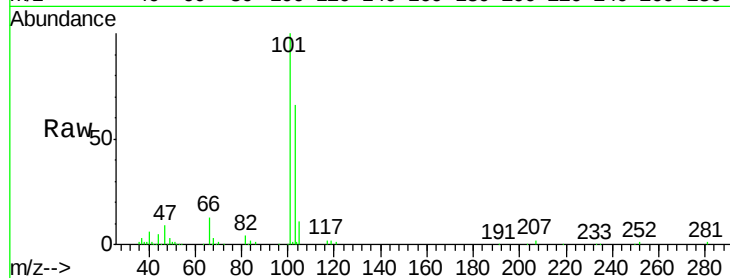
Trichlorofluoromethane
Concen: 19.700 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
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VD0221SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.7	76.1

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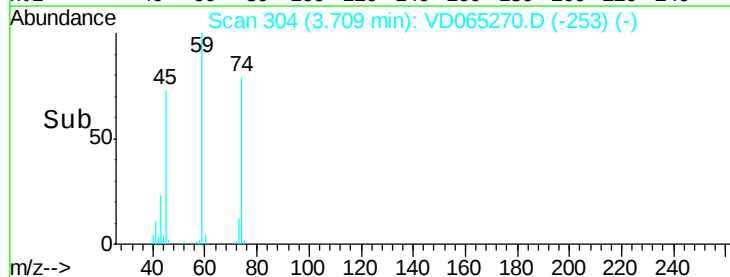
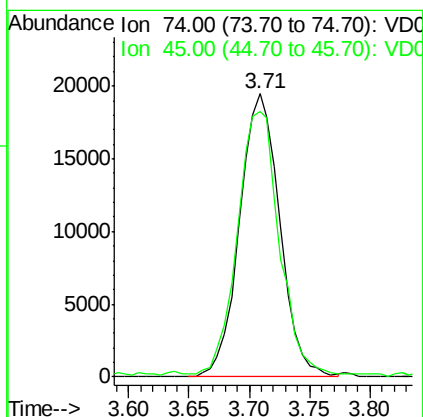
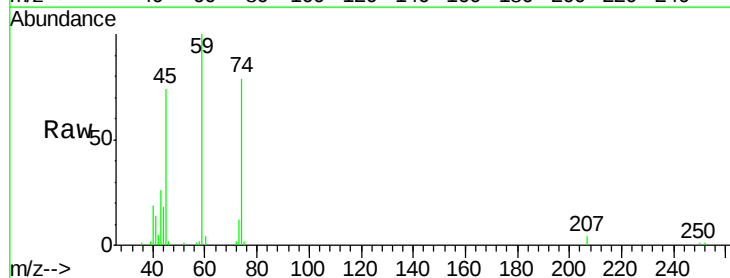
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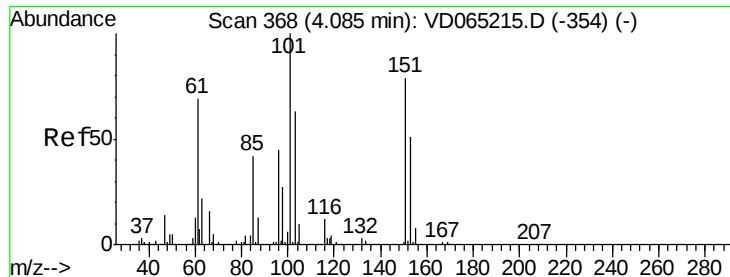


#8

Diethyl Ether
Concen: 20.155 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.918 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

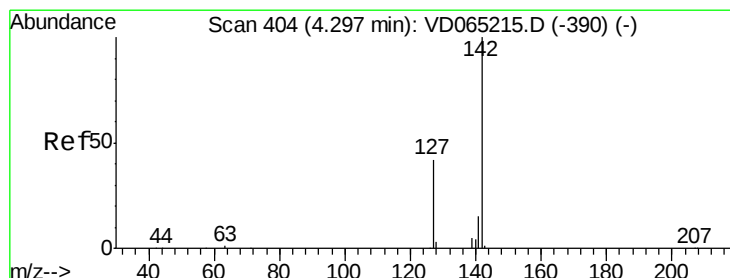
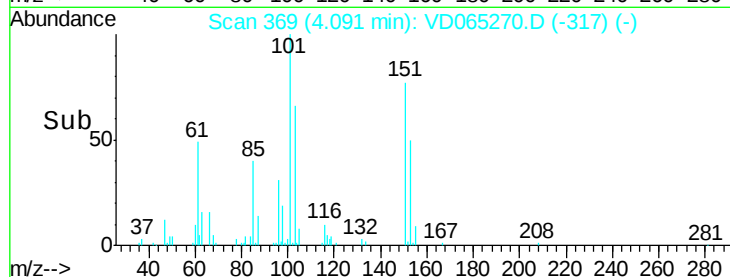
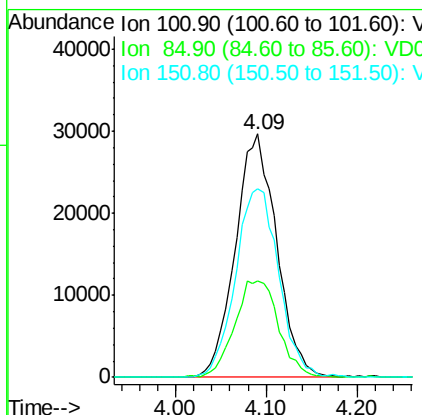
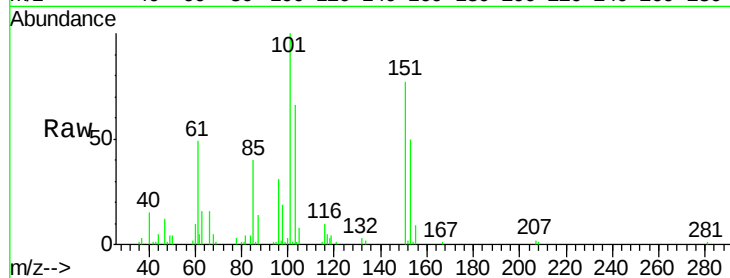
ClientSampleId :

VD0221SBS01

Tot Ion:	101	Resp:	93760
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	81.0	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.421 ug/l

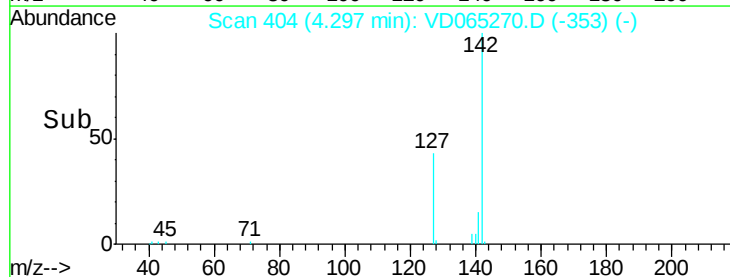
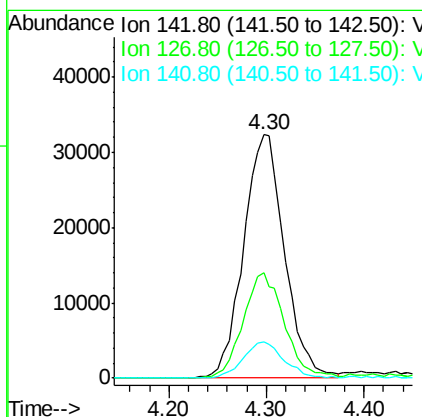
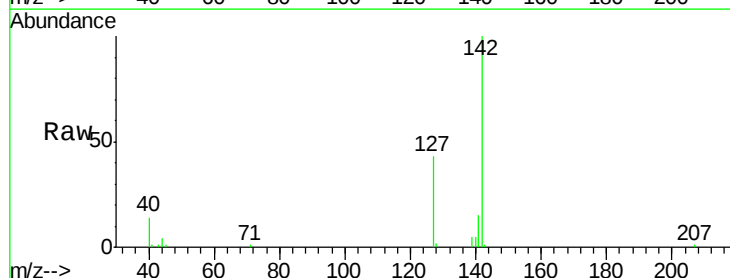
RT: 4.30 min Scan# 404

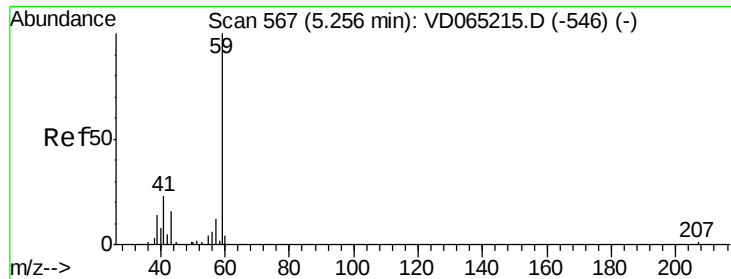
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	142	Resp:	94918
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.8	50.8
141	14.8	11.7	17.5





#11

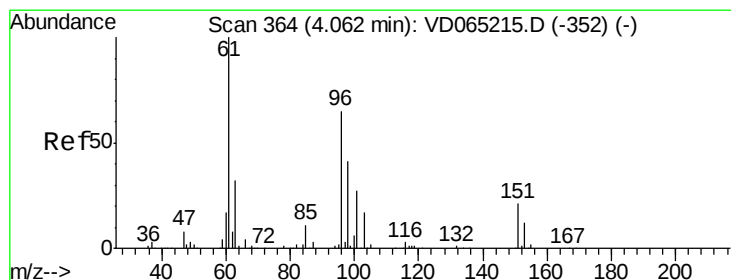
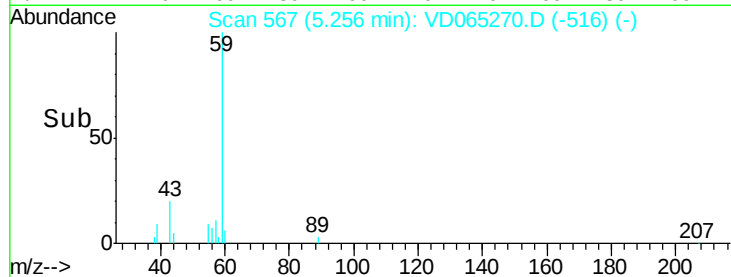
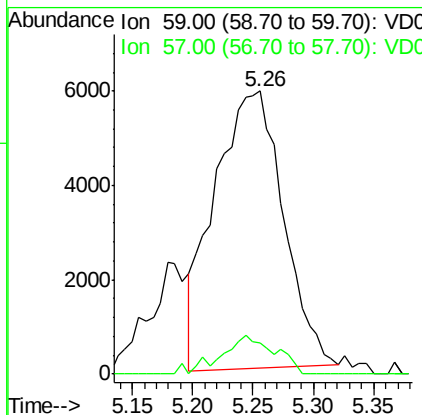
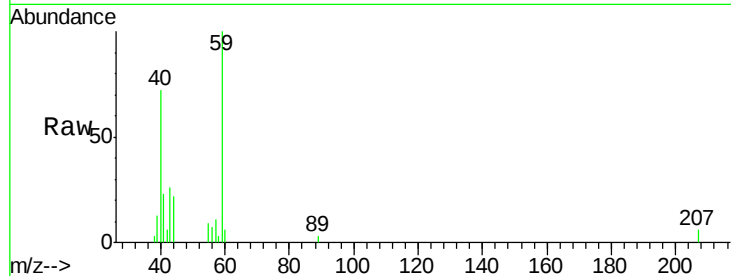
Tert butyl alcohol
Concen: 90.001 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

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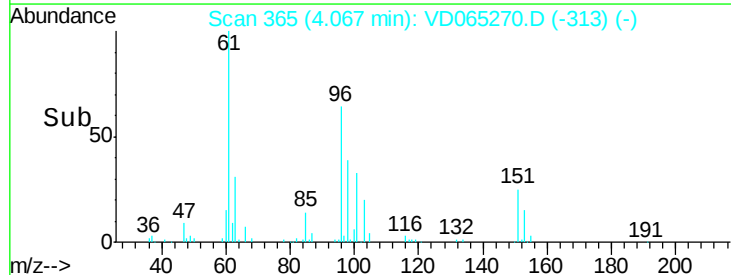
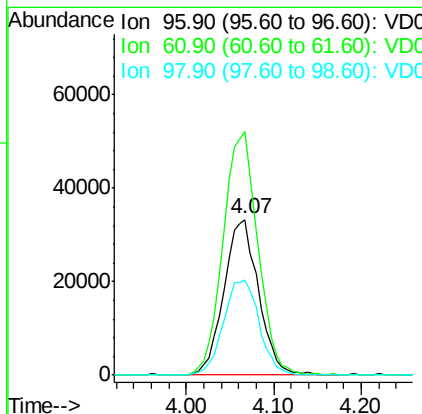
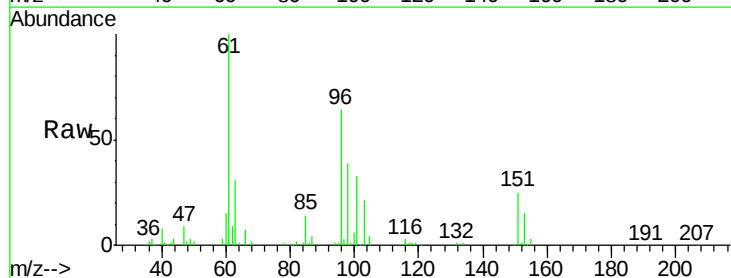
MMDadoda
2/24/2020 11:08:48 AM



#12

1,1-Dichloroethene
Concen: 20.185 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.3	184.9
98	61.4	51.0	76.4





#13

Acrolein

Concen: 108.707 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBSD01

Tot Ion: 56 Resp: 39552

Ion Ratio Lower Upper

56 100

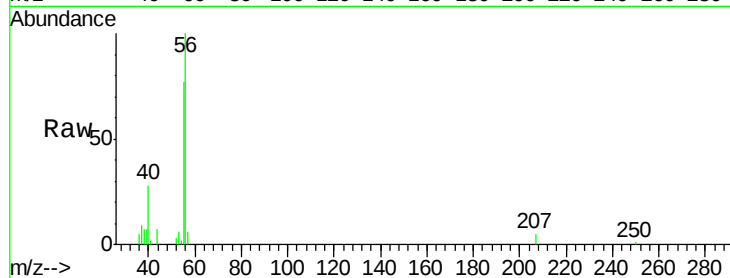
55 72.9 56.6 85.0

Manual Integrations

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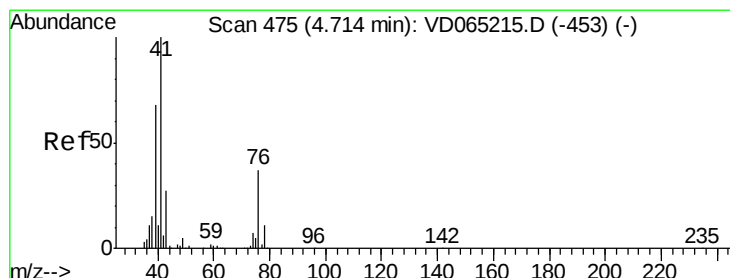
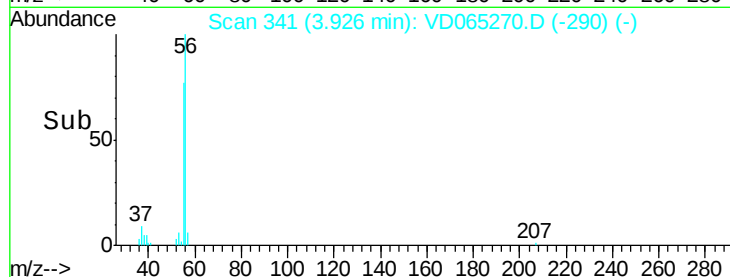
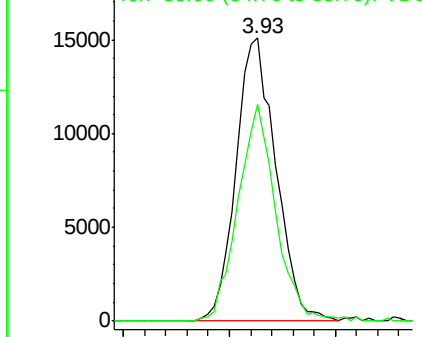
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.967 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

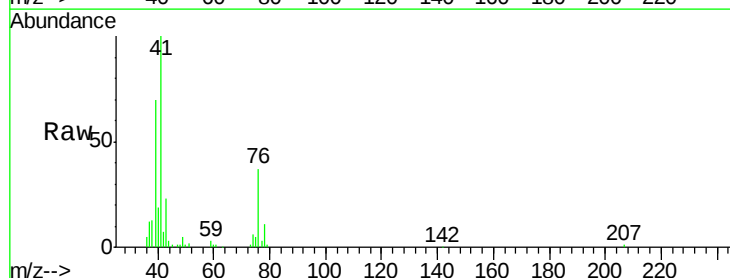
Tgt Ion: 41 Resp: 144183

Ion Ratio Lower Upper

41 100

39 67.4 53.8 80.6

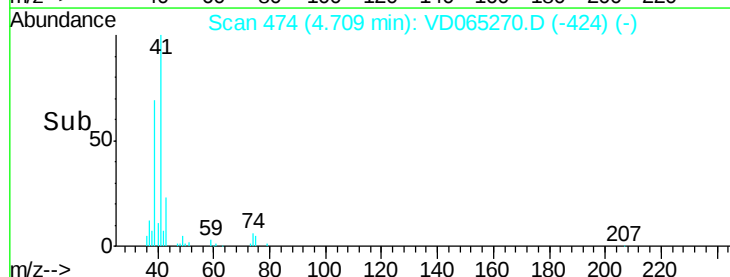
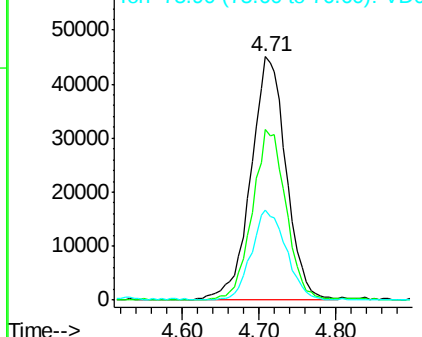
76 36.3 28.7 43.1

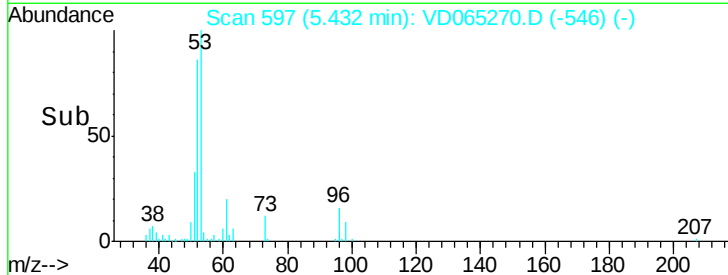
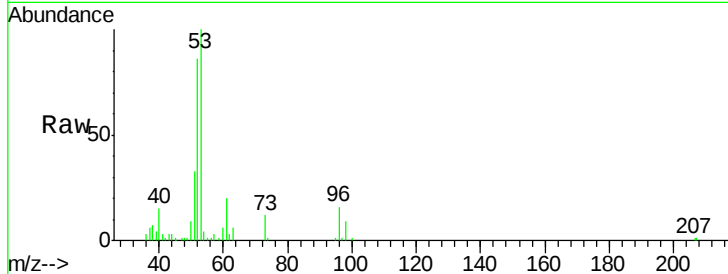
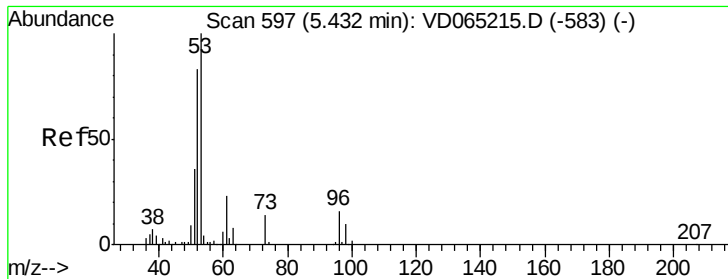


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





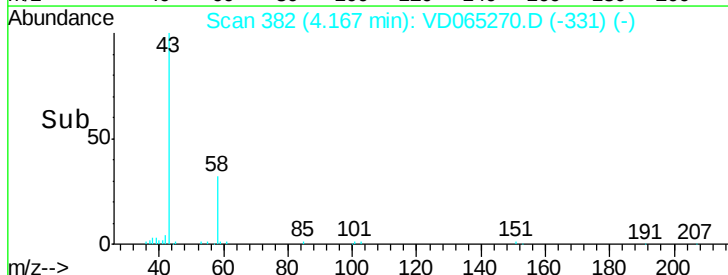
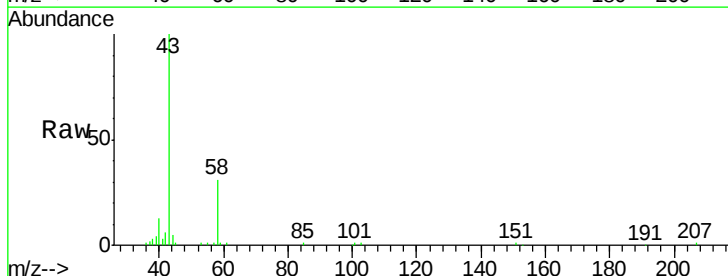
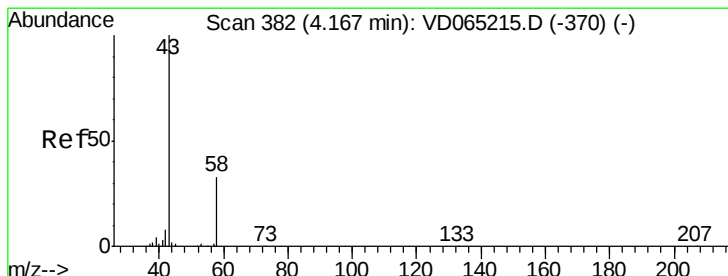
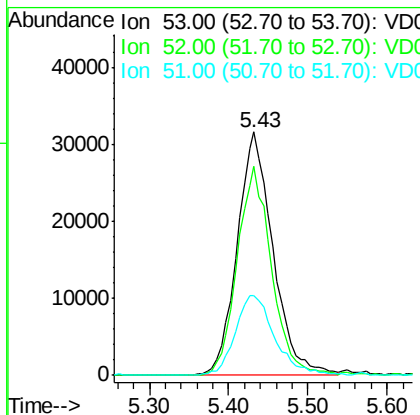
#15
Acrylonitrile
Concen: 99.725 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.2
51	36.1	29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

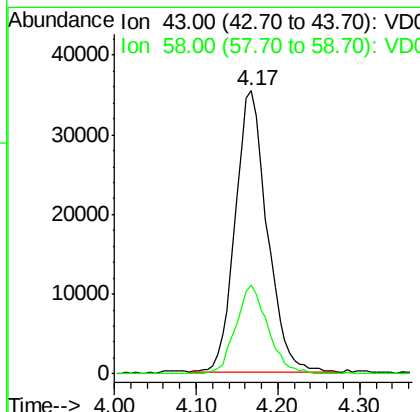
Manual Integrations
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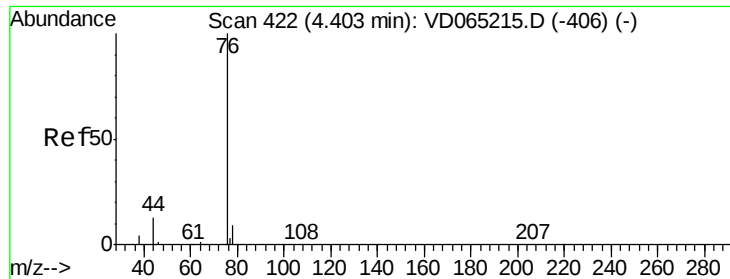
MMDadoda
2/24/2020 11:08:48 AM



#16
Acetone
Concen: 91.314 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.2





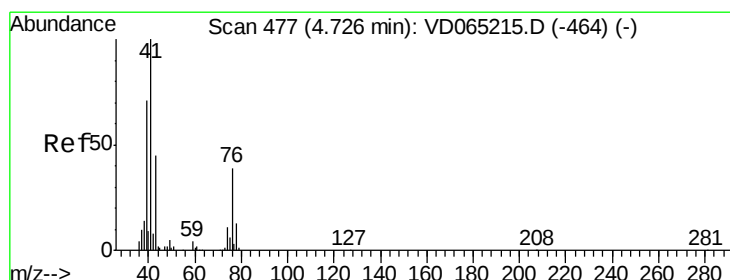
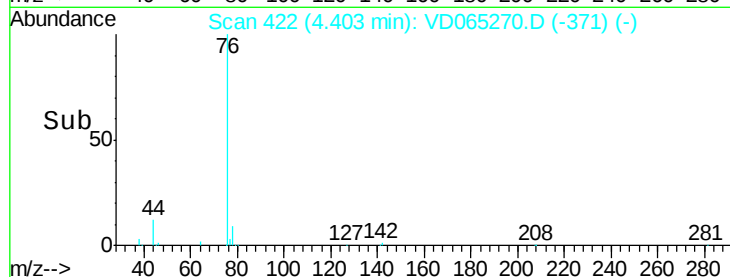
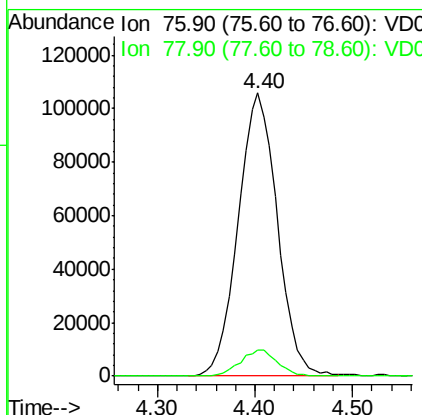
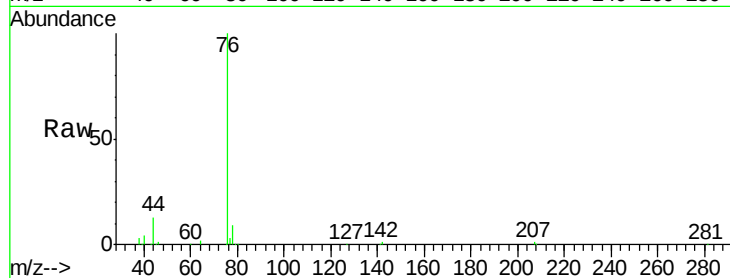
#17
Carbon Disulfide
Concen: 19.776 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

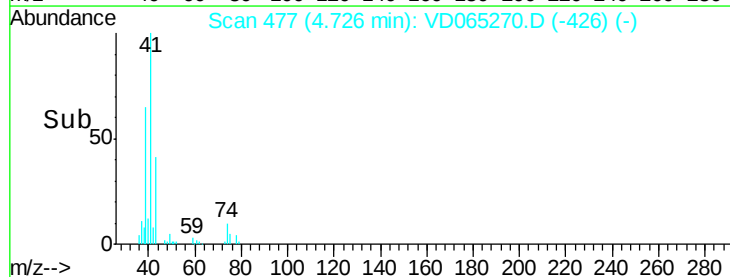
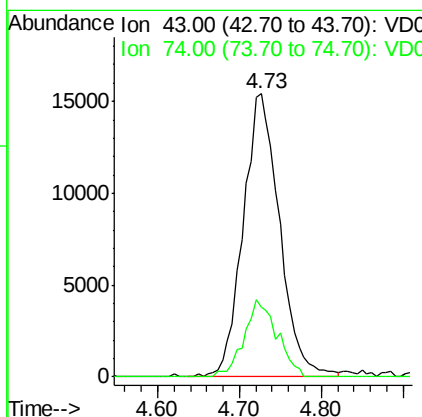
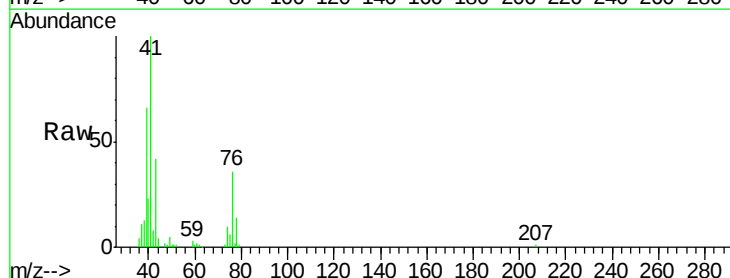
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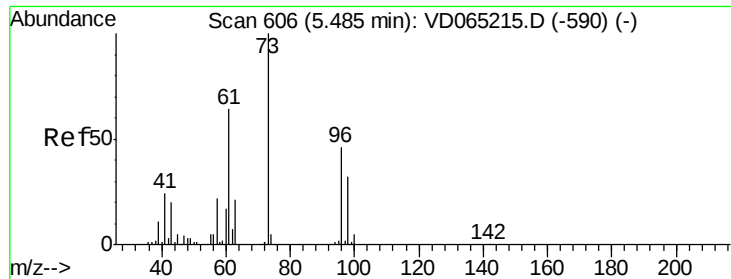
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#18
Methyl Acetate
Concen: 20.152 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.2





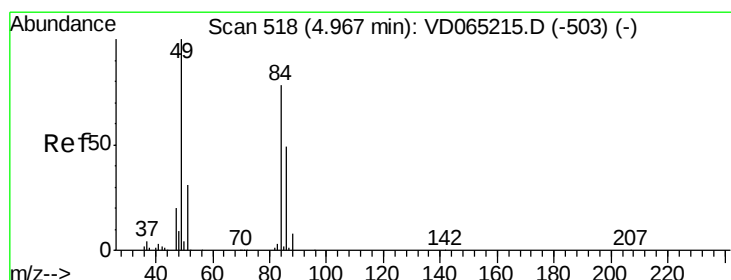
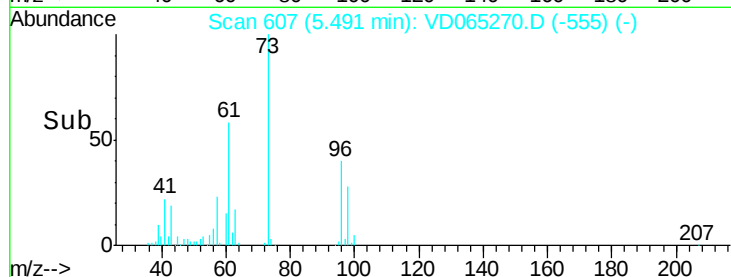
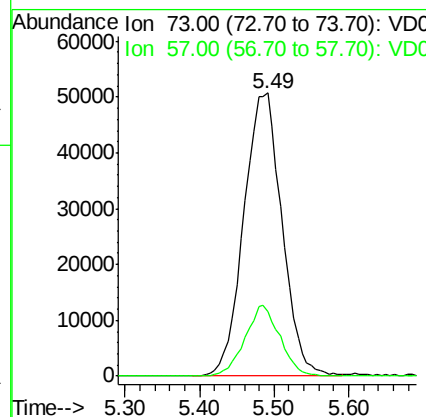
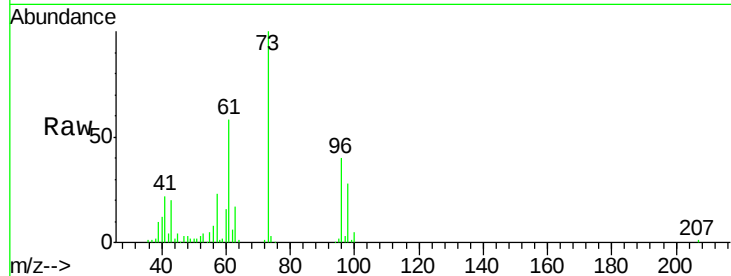
#19
Methyl tert-butyl Ether
Concen: 19.467 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion: 73 Resp: 180516
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9

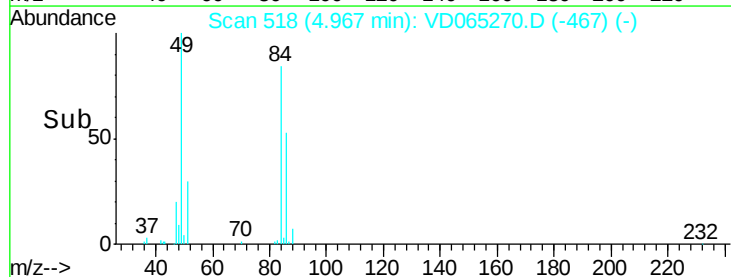
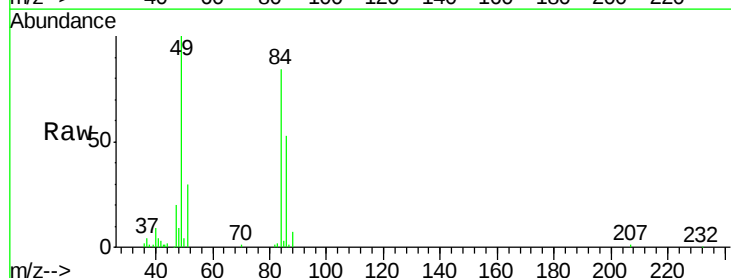
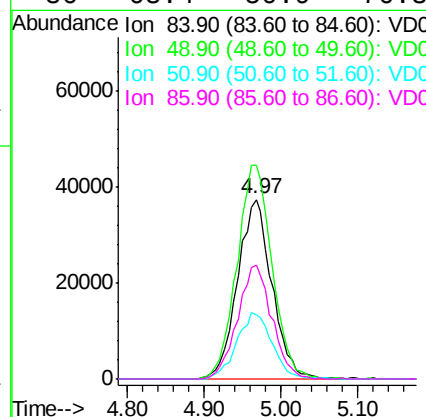
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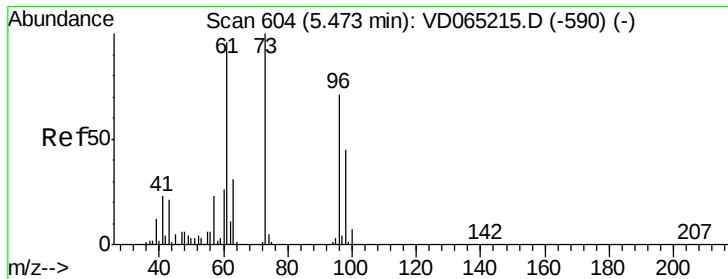
MMDadoda
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#20
Methylene Chloride
Concen: 22.357 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion: 84 Resp: 116934
Ion Ratio Lower Upper
84 100
49 118.9 103.1 154.7
51 35.9 31.7 47.5
86 63.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.259 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

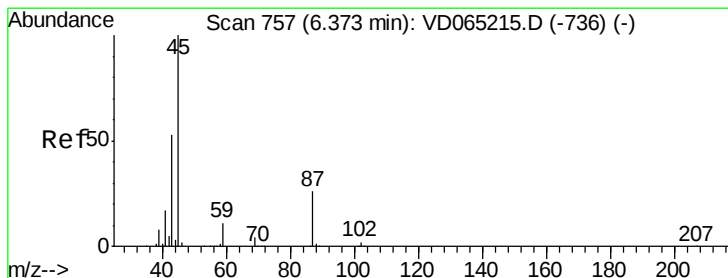
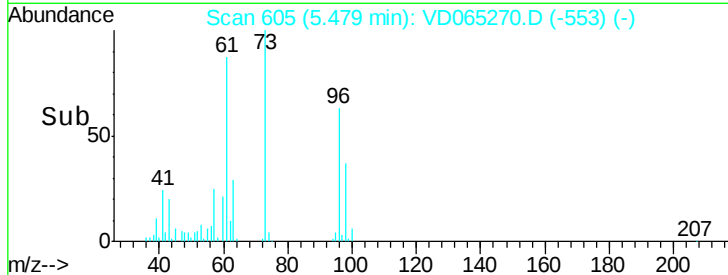
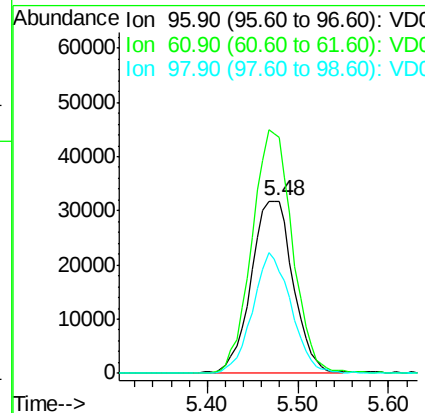
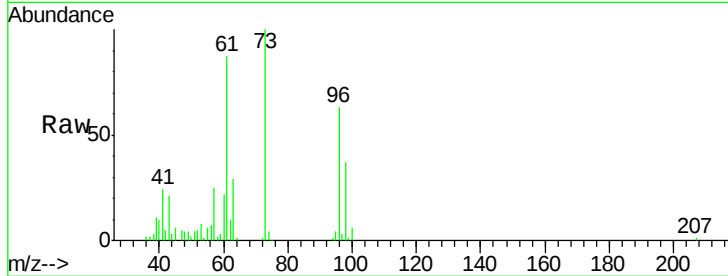
ClientSampleId :

VD0221SBS01

Tot Ion:	96	Resp:	102411
Ion	Ratio	Lower	Upper
96	100		
61	136.7	108.3	162.5
98	58.8	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.738 ug/l

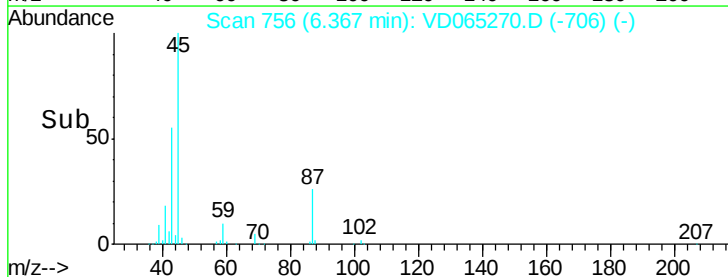
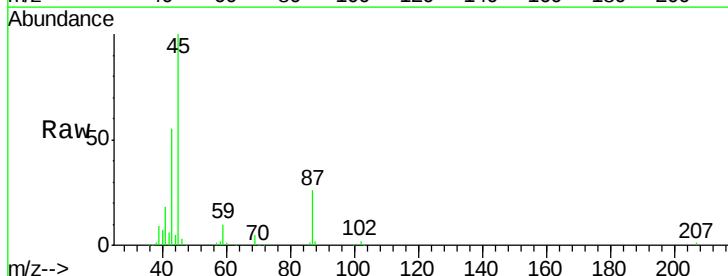
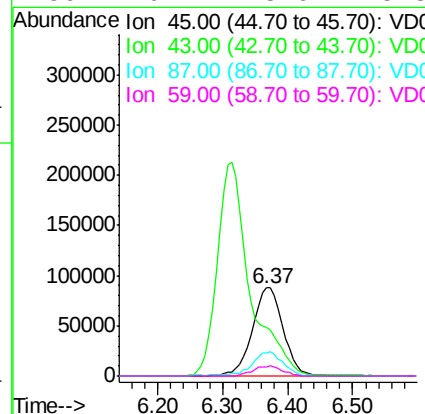
RT: 6.37 min Scan# 756

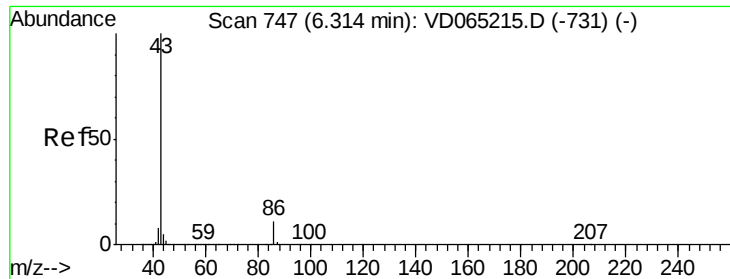
Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	45	Resp:	288679
Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.6	64.0
87	25.6	21.2	31.8
59	10.1	8.9	13.3





#23

Vinyl Acetate

Concen: 96.578 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 43 Resp: 741162

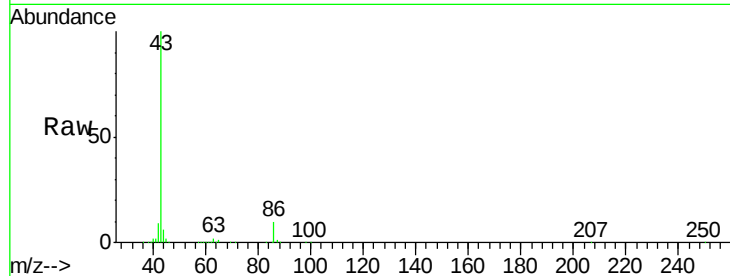
Ion Ratio Lower Upper

43 100

86 10.2 8.6 12.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

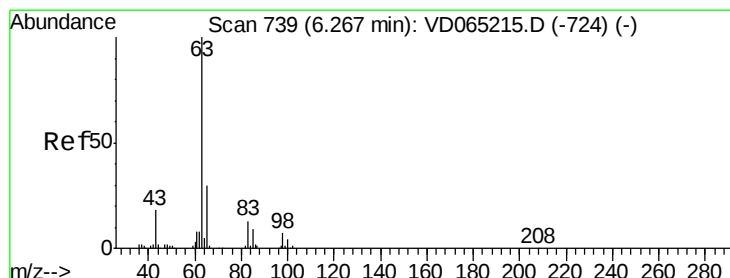
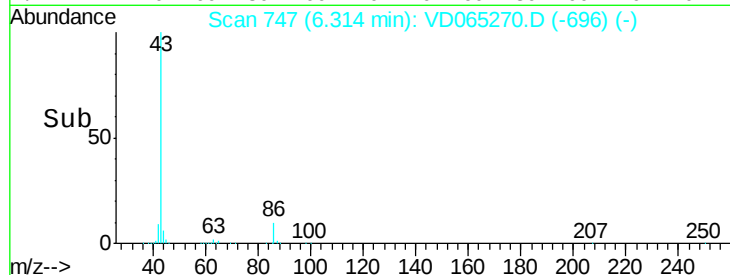
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.328 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

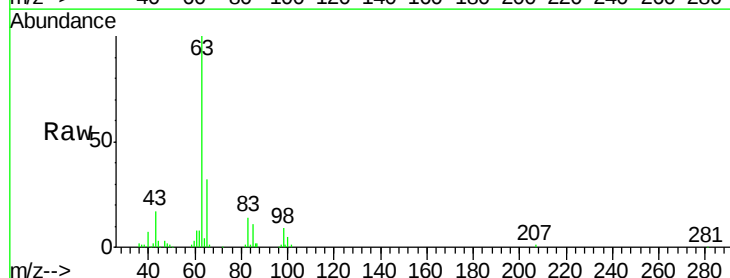
Tgt Ion: 63 Resp: 175519

Ion Ratio Lower Upper

63 100

98 9.0 3.4 10.1

100 5.2 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

60000

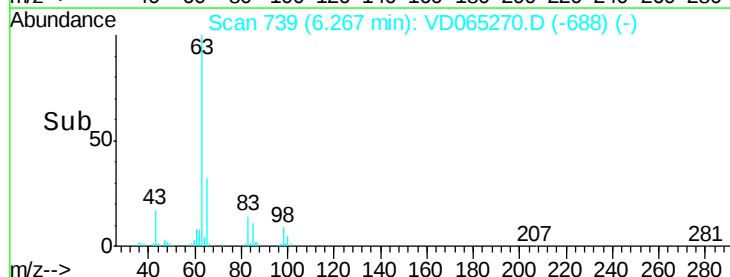
40000

20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 93.253 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 43 Resp: 124437

Ion Ratio Lower Upper

43 100

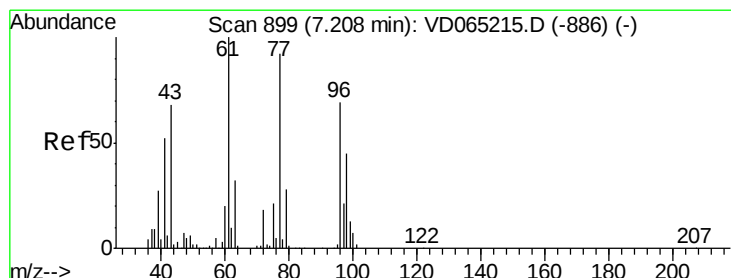
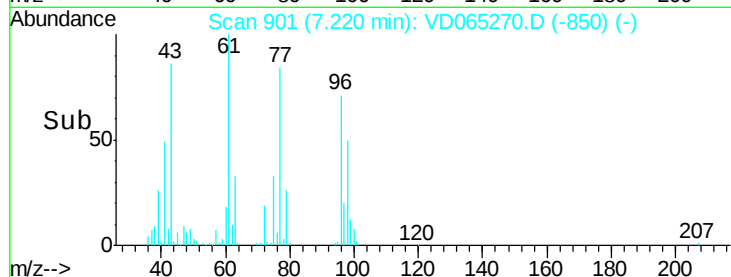
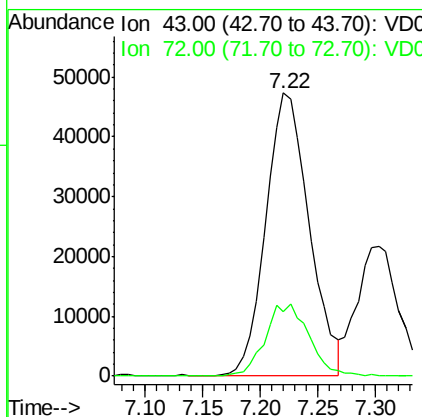
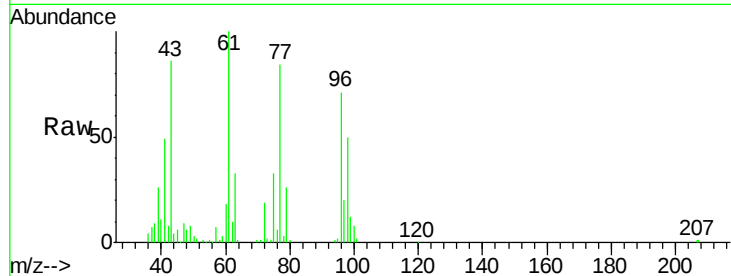
72 22.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:48 AM



#26

2,2-Dichloropropane

Concen: 20.052 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065270.D

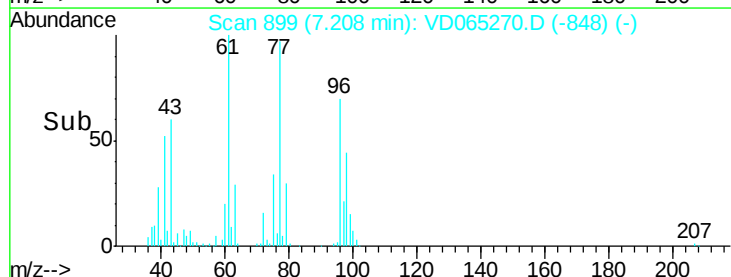
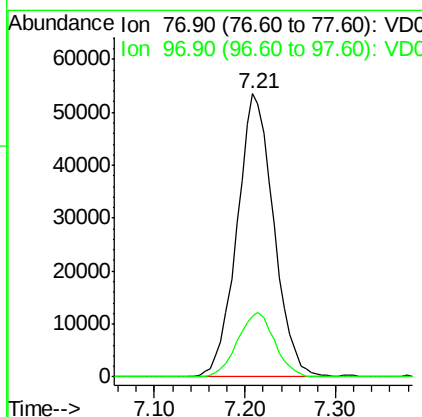
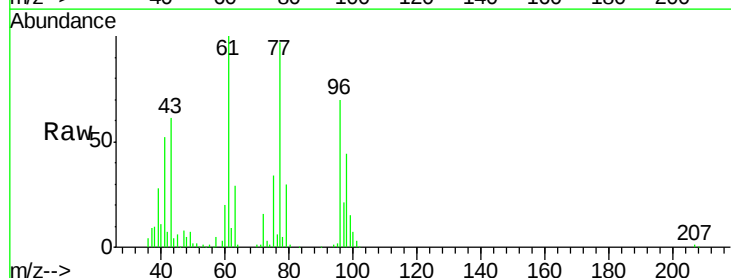
Acq: 21 Feb 2020 12:45

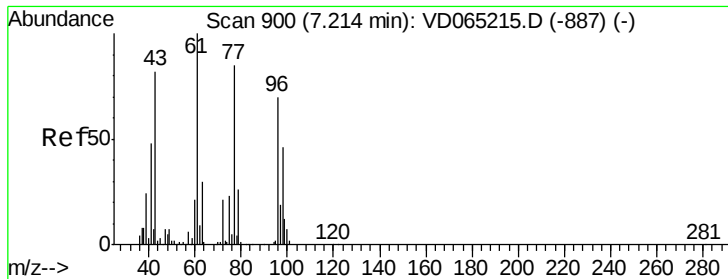
Tgt Ion: 77 Resp: 150216

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

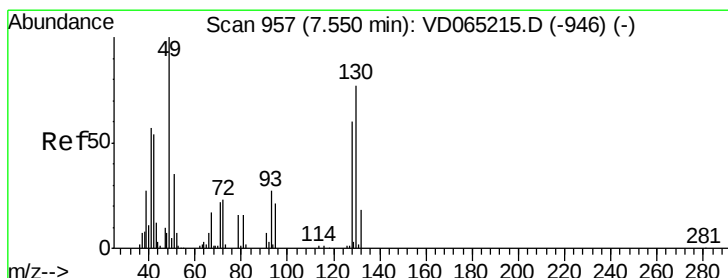
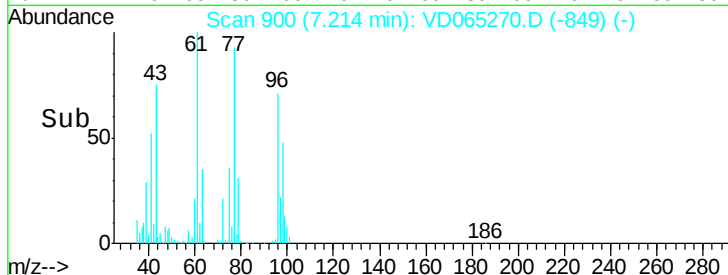
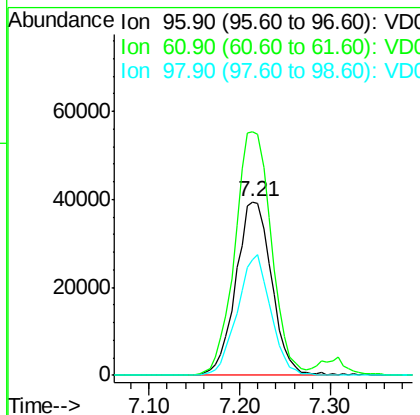
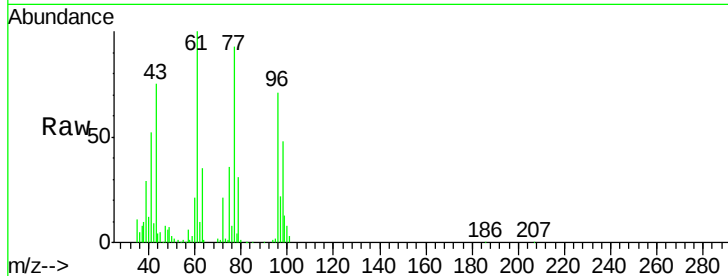
cis-1,2-Dichloroethene
Concen: 20.176 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.4	0.0	286.0	
98	64.8	0.0	127.8	

Manual Integrations
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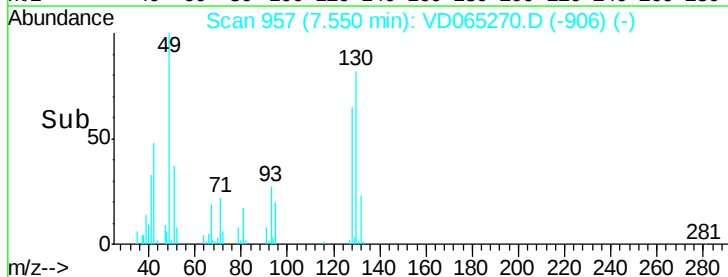
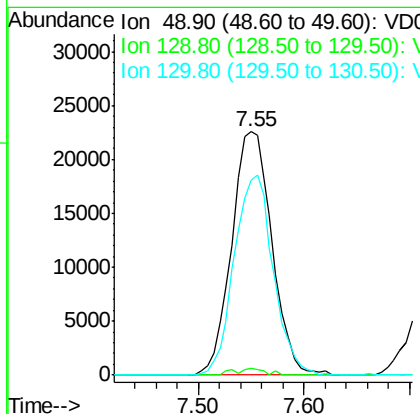
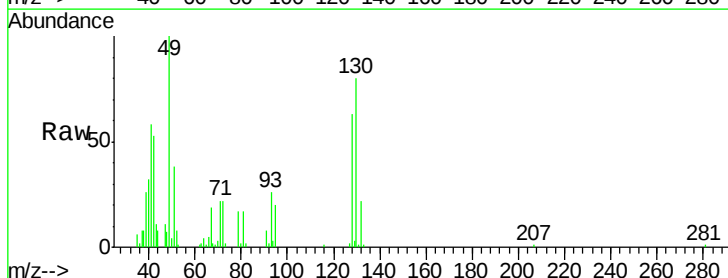
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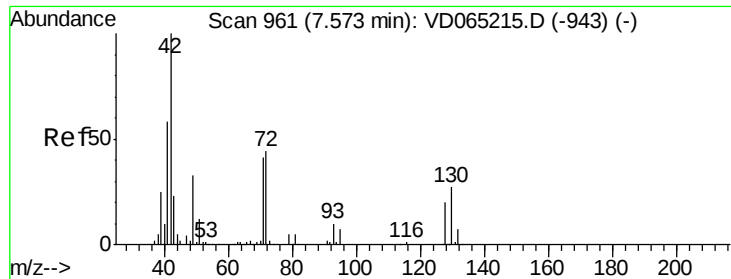


#28

Bromochloromethane
Concen: 18.599 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.6	
130	79.6	64.7	97.1	





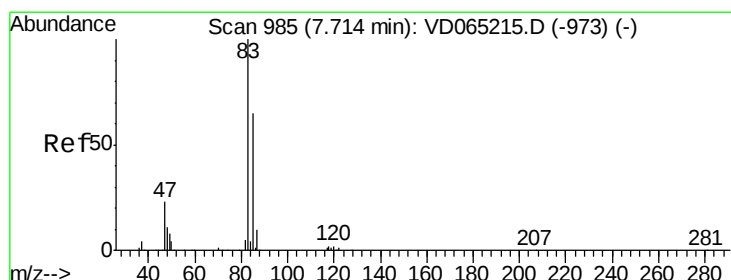
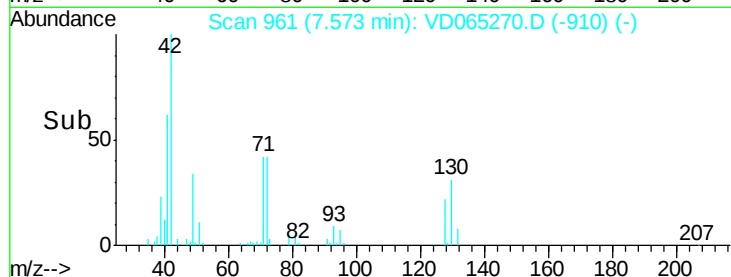
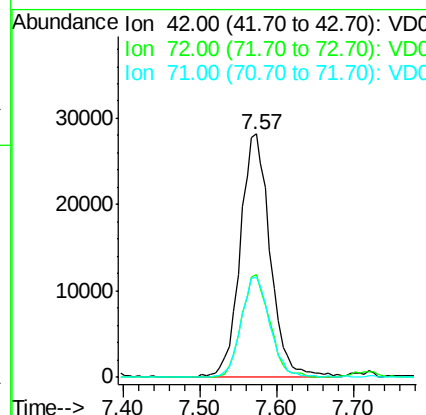
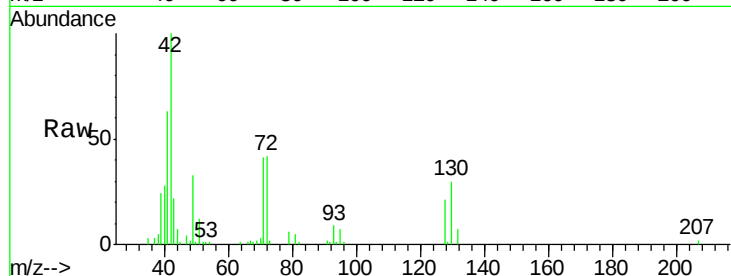
#29
Tetrahydrofuran
Concen: 98.435 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

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

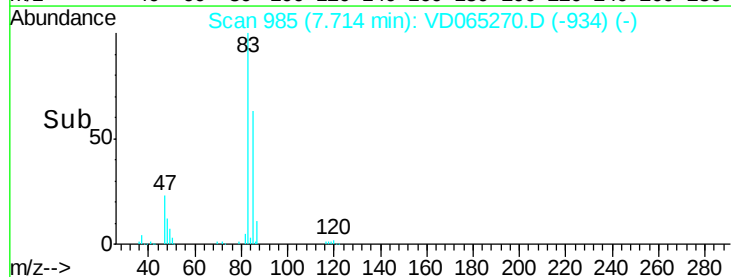
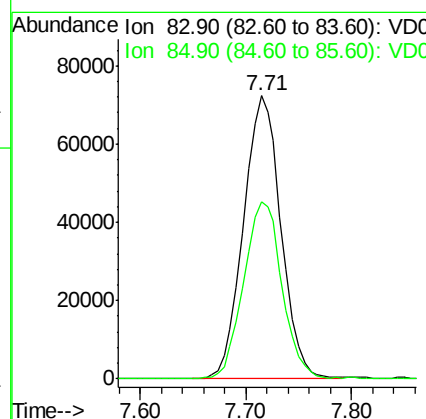
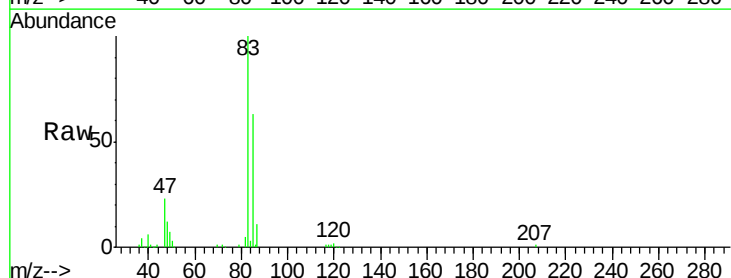
Manual Integrations
APPROVED

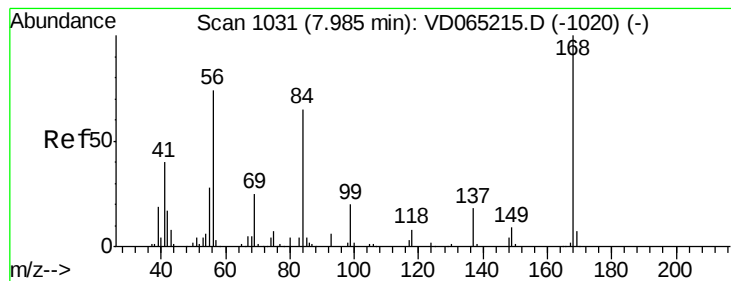
MMDadoda
2/24/2020 11:08:48 AM



#30
Chloroform
Concen: 20.473 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.3	78.5





#31

Cyclohexane

Concen: 19.481 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

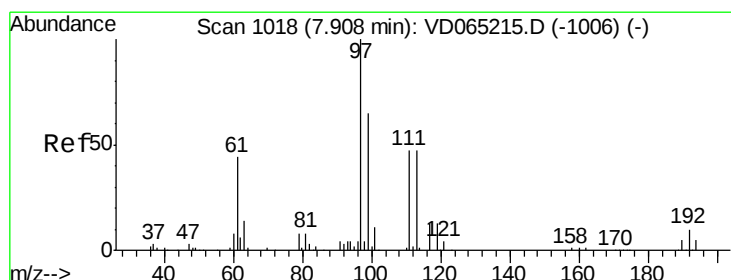
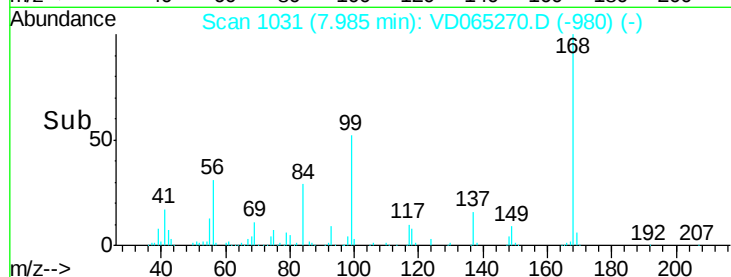
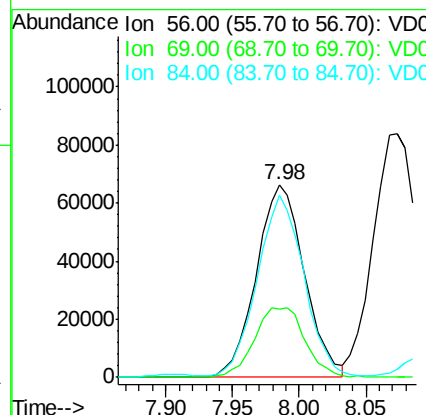
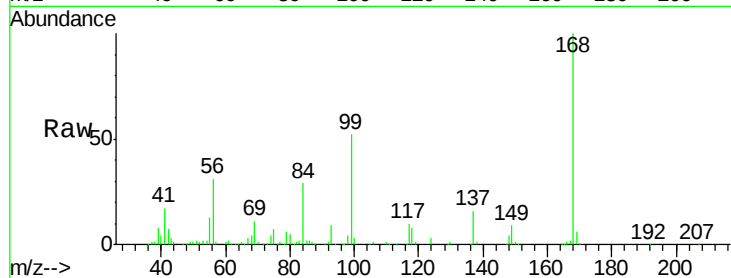
ClientSampleId :

VD0221SBS01

Tot Ion:	56	Resp:	165263
Ion Ratio	Lower	Upper	
56	100		
69	35.3	27.4	41.0
84	93.2	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.248 ug/l

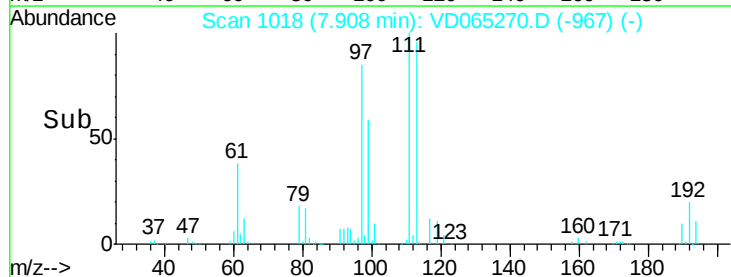
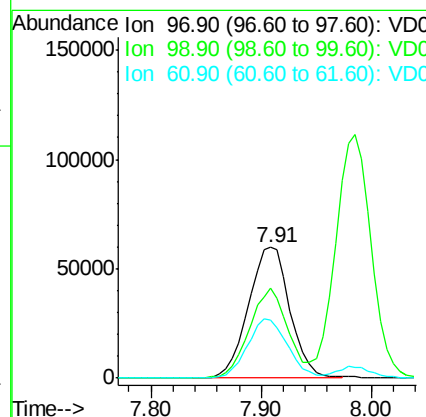
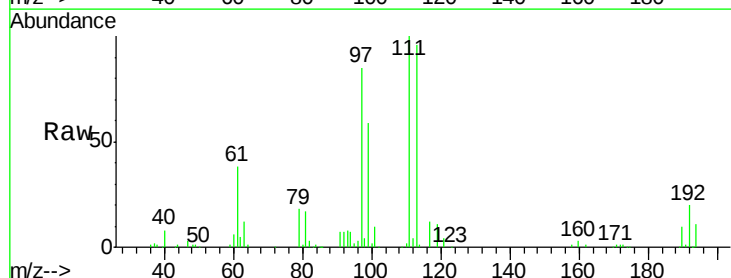
RT: 7.91 min Scan# 1018

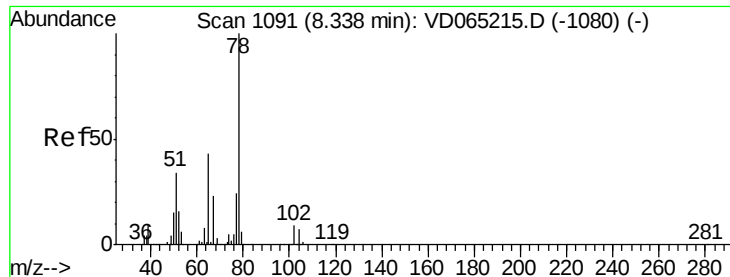
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	97	Resp:	157587
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.2
61	43.7	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 49.504 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 65 Resp: 213587

Ion Ratio Lower Upper

65 100

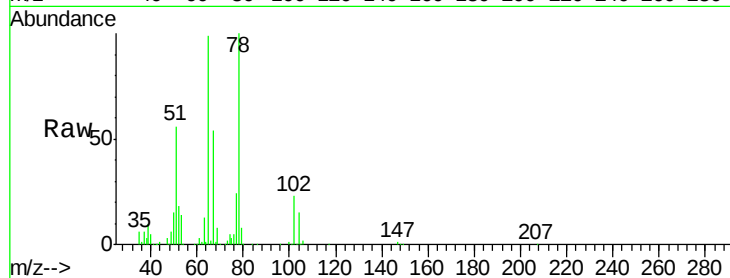
67 53.2 0.0 106.8

Manual Integrations

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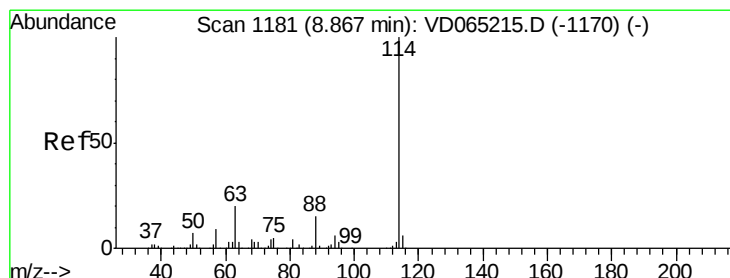
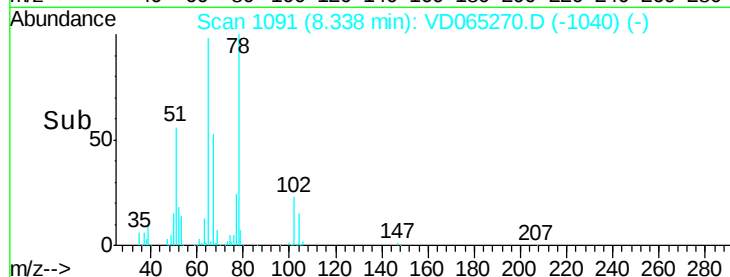
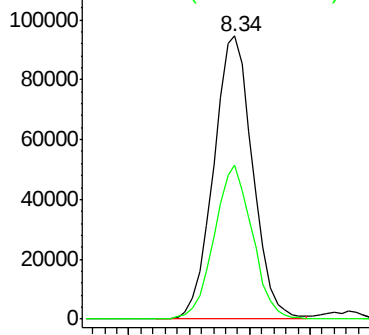
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

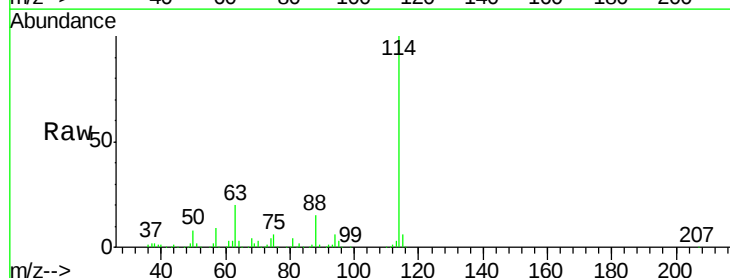
Tgt Ion: 114 Resp: 719845

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

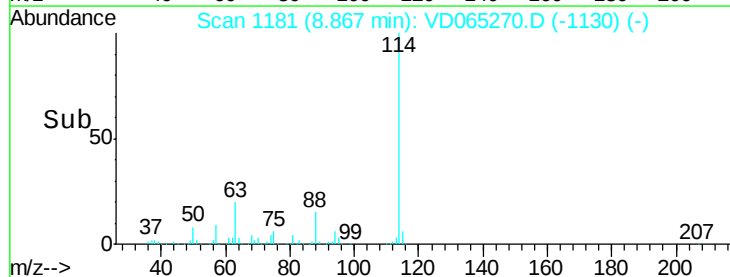
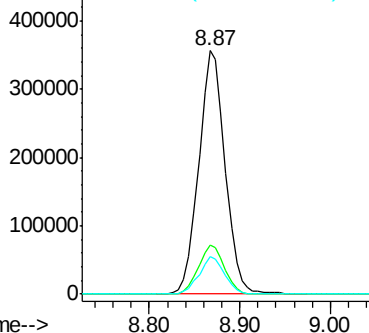
88 15.4 0.0 30.4

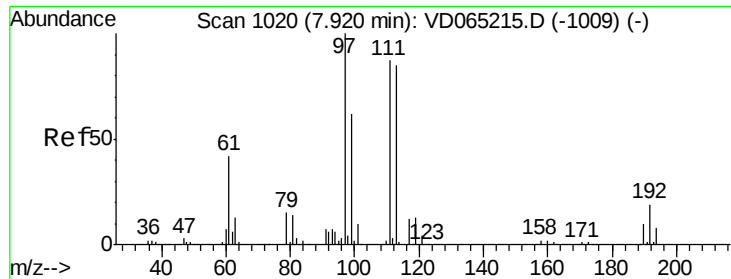


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





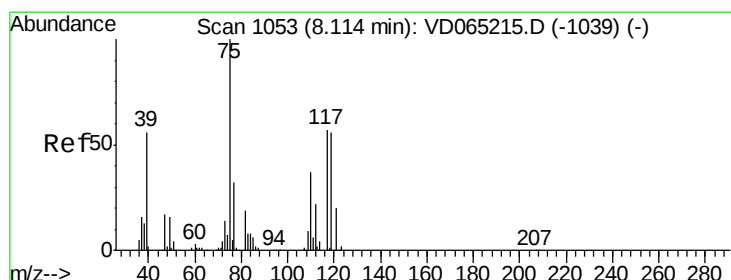
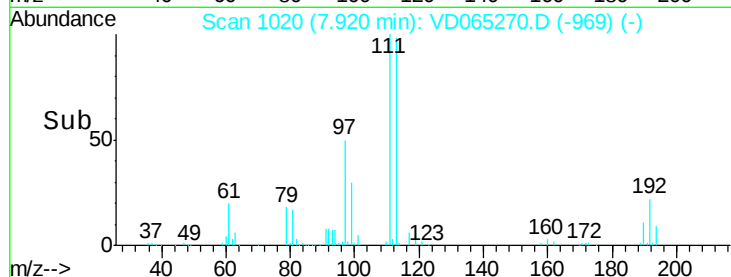
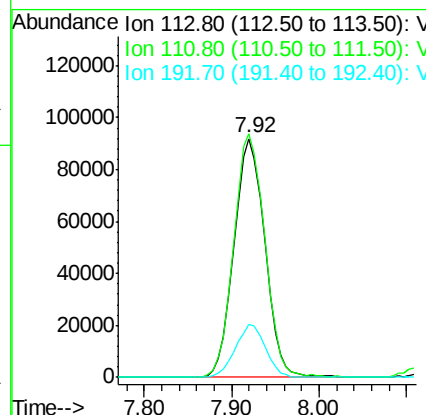
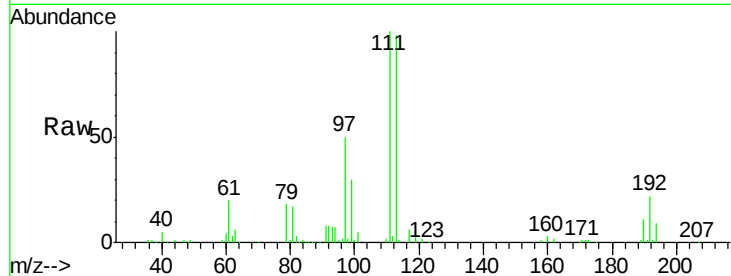
#35
 Dibromofluoromethane
 Concen: 50.224 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220442		
111	102.6	82.9	124.3	
192	21.4	17.3	25.9	

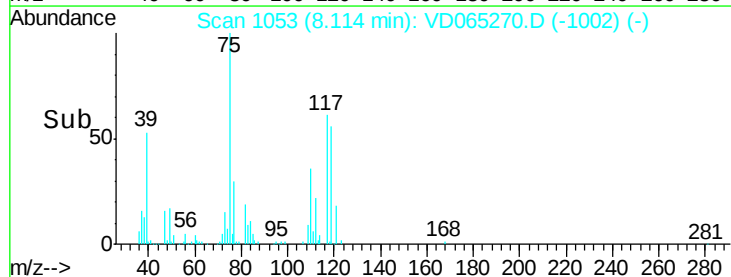
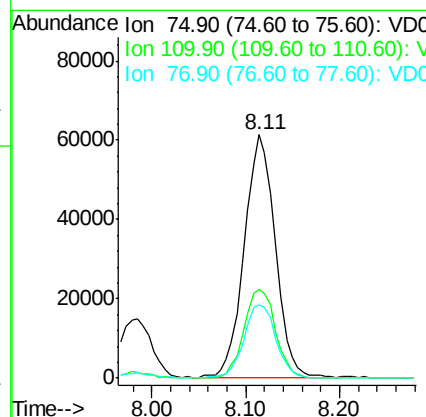
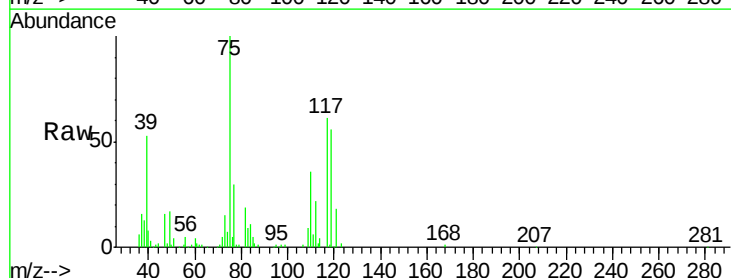
Manual Integrations
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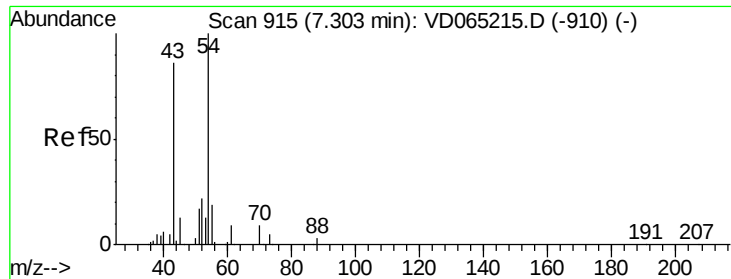
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#36
 1,1-Dichloropropene
 Concen: 19.933 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139612		
110	37.3	17.9	53.7	
77	31.4	25.1	37.7	





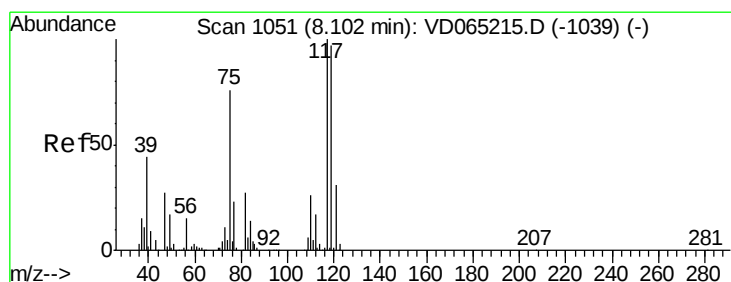
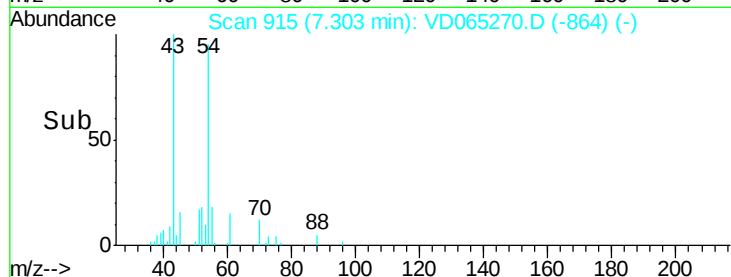
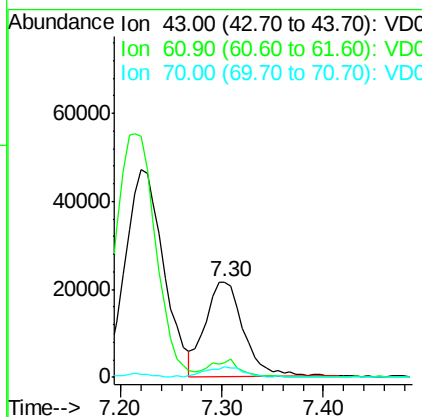
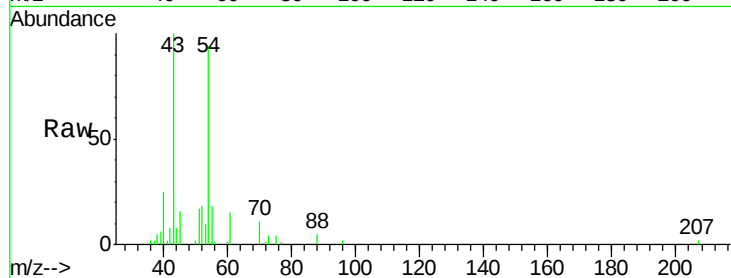
#37
Ethyl Acetate
Concen: 19.199 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.2	16.8
70	11.0	8.2	12.2

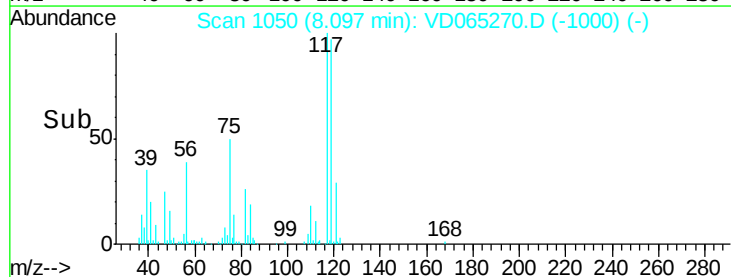
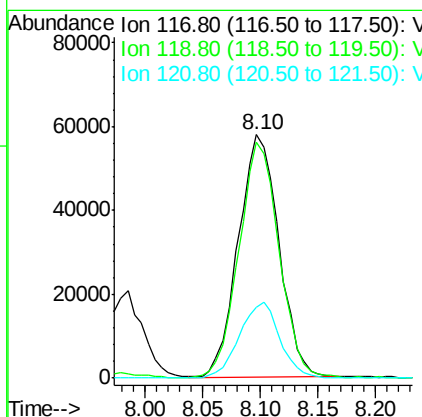
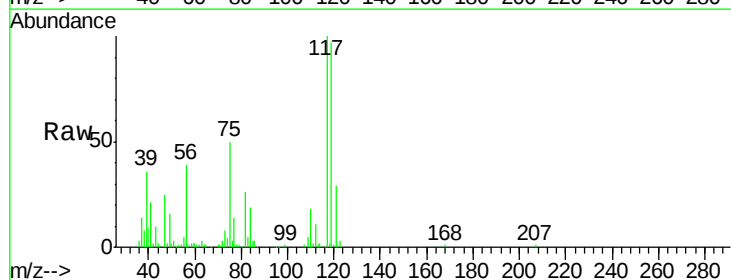
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#38
Carbon Tetrachloride
Concen: 19.828 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.6	116.4
121	29.2	24.8	37.2





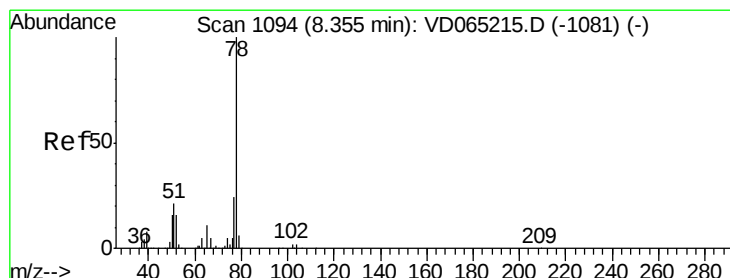
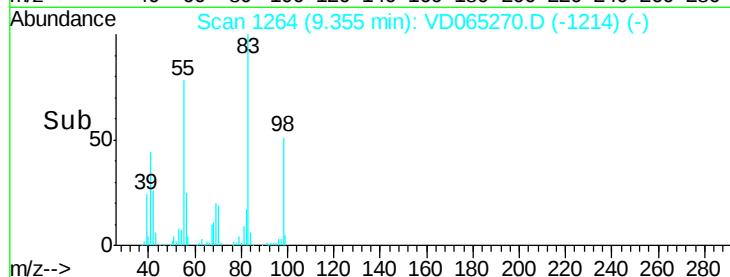
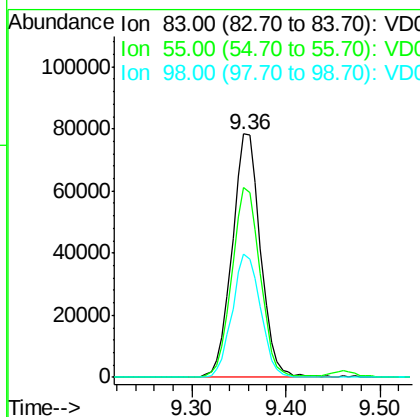
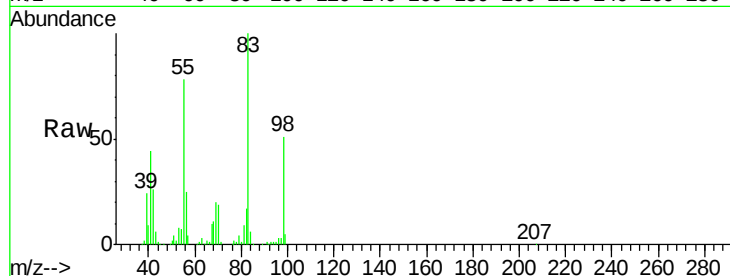
#39
Methvlcvclohexane
Concen: 19.901 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.8	92.6
98	50.7	39.4	59.0

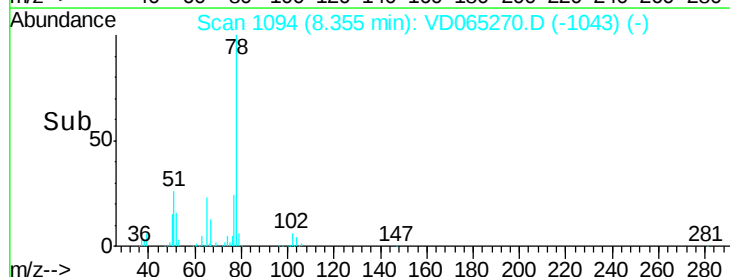
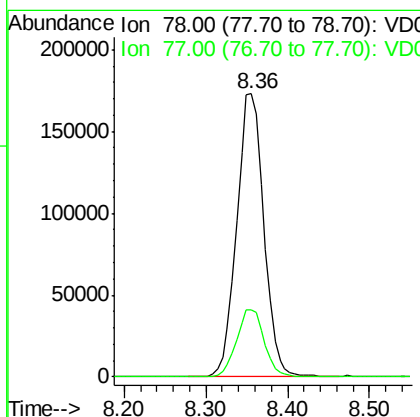
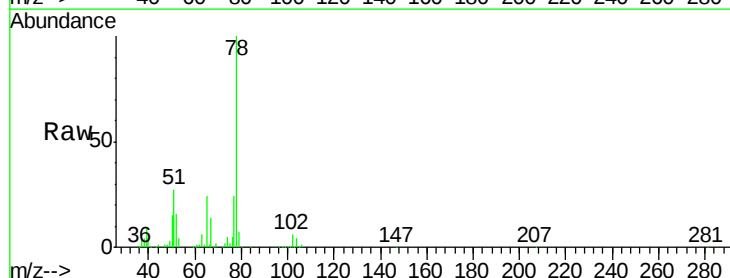
Manual Integrations
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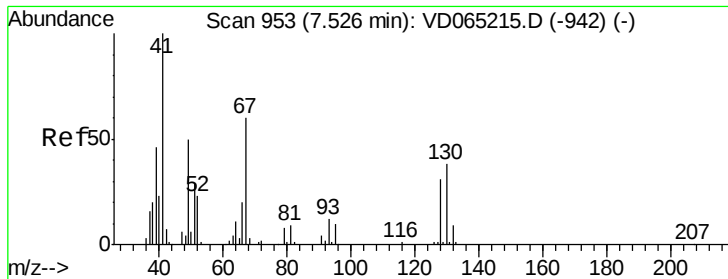
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#40
Benzene
Concen: 20.239 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





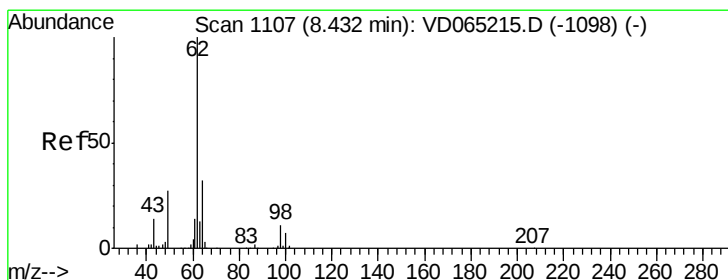
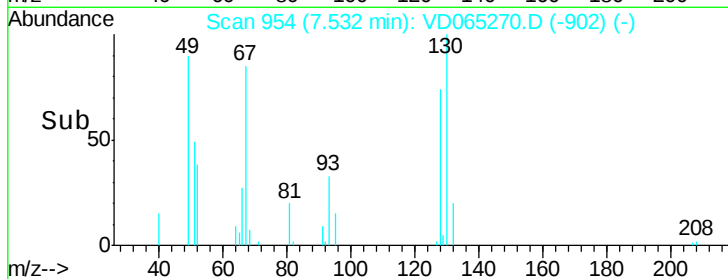
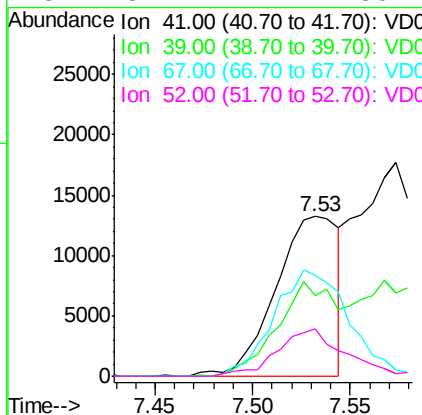
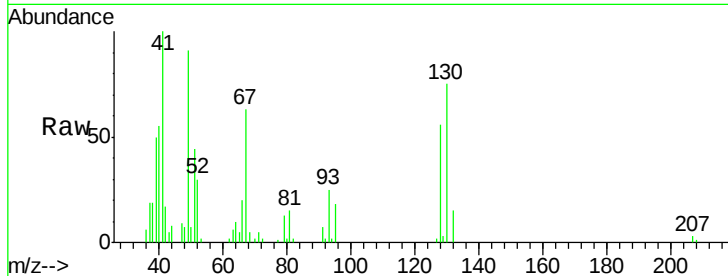
#41
Methacrylonitrile
Concen: 17.540 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBSD01

Tot Ion	41	Resp	29654
Ion	Ratio	Lower	Upper
41	100		
39	60.5	48.1	72.1
67	78.9	58.9	88.3
52	32.2	24.2	36.2

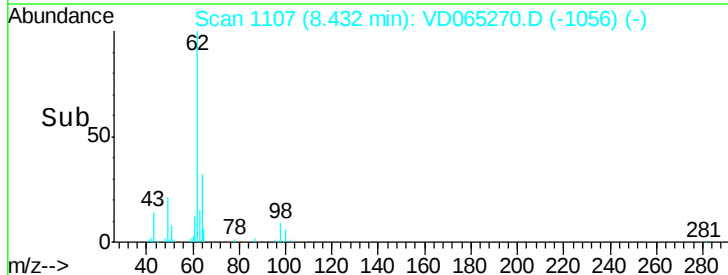
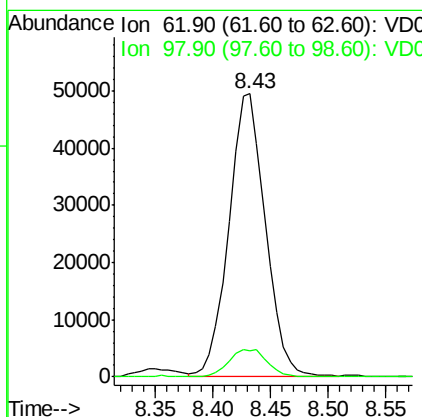
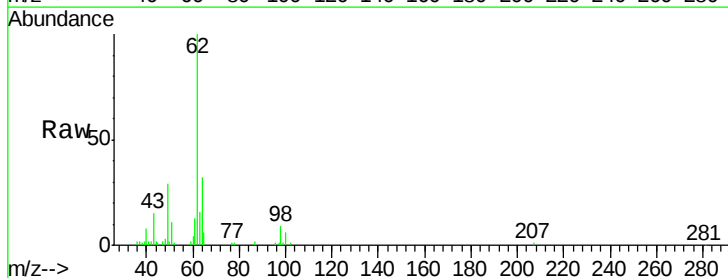
Manual Integrations
APPROVED

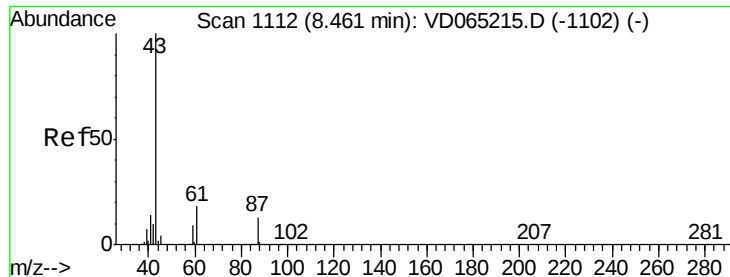
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.978 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	62	Resp	108582
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.144 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

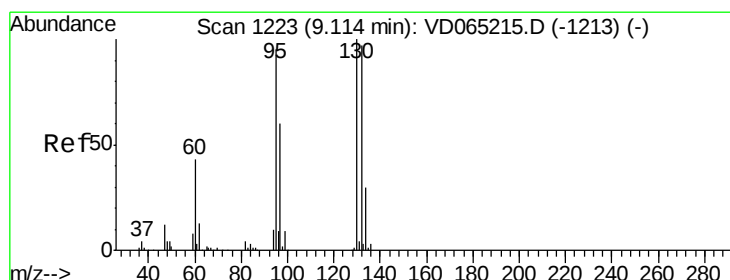
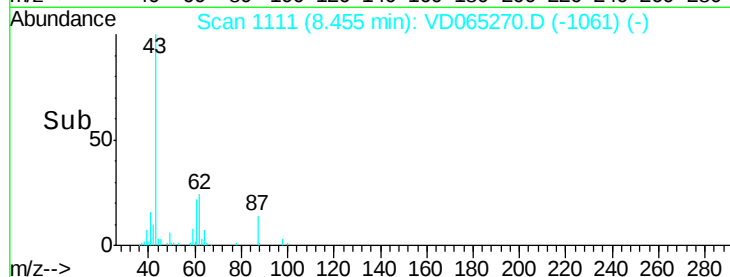
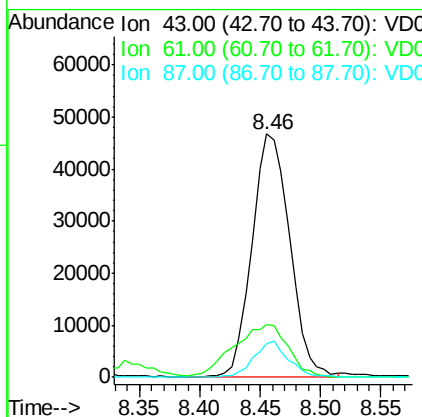
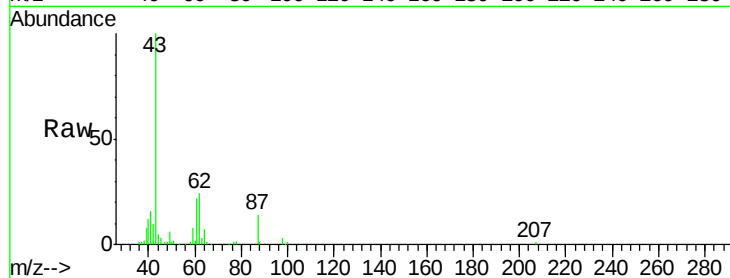
ClientSampleId :

VD0221SBS01

Tot Ion:	43	Resp:	101935
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.6	36.8
87	13.6	10.6	16.0

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#44

Trichloroethene

Concen: 20.358 ug/l

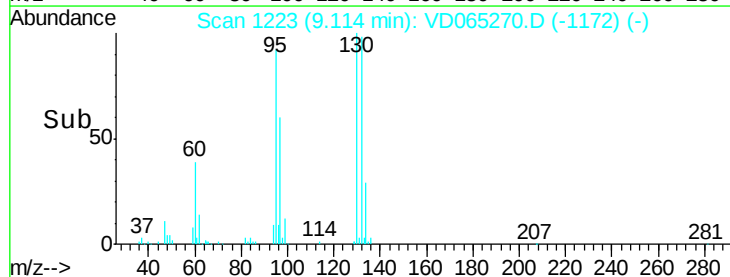
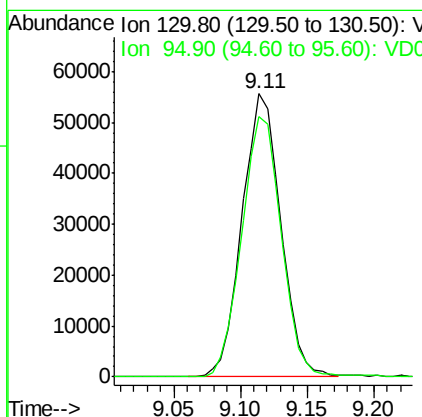
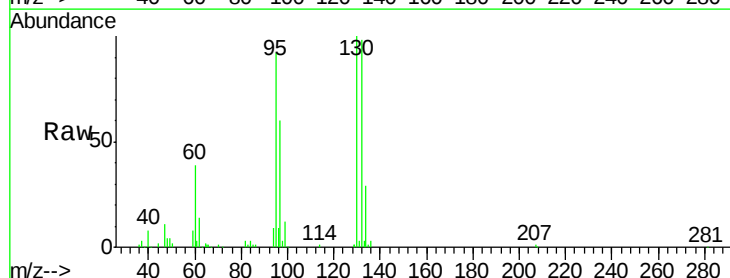
RT: 9.11 min Scan# 1223

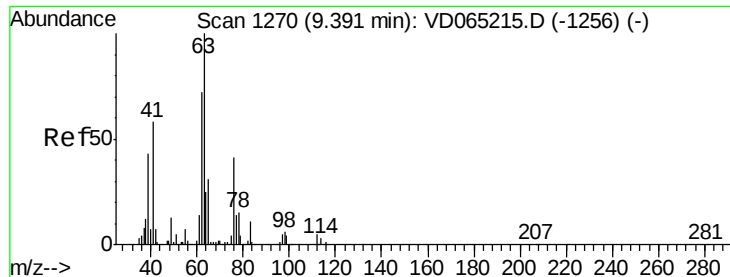
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	130	Resp:	111562
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	190.6





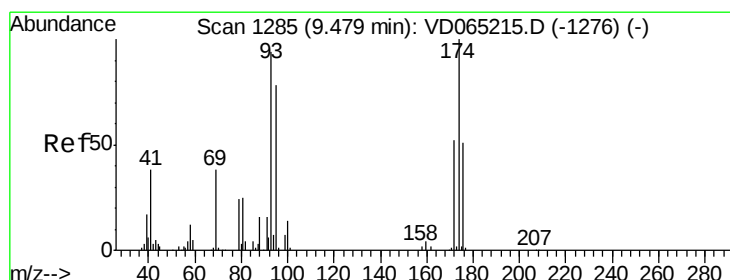
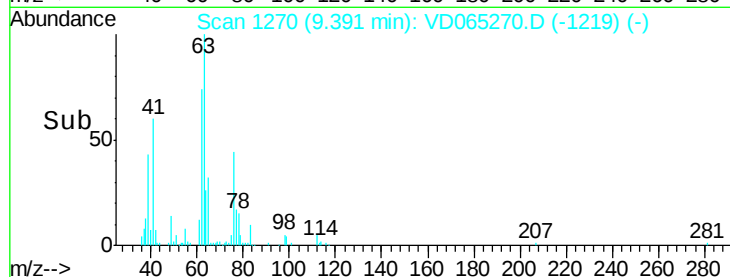
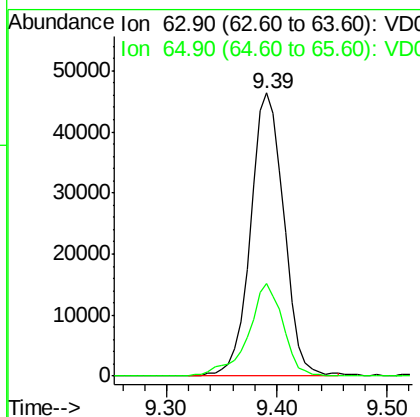
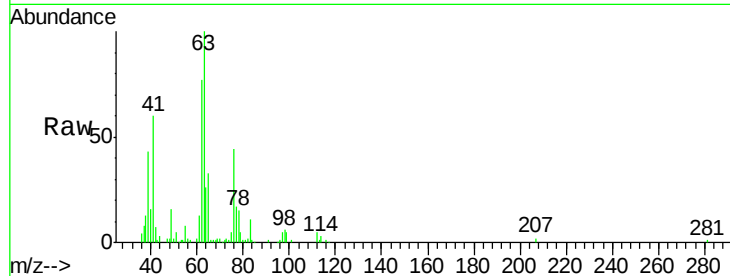
#45
 1,2-Dichloropropane
 Concen: 19.958 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.9	37.3

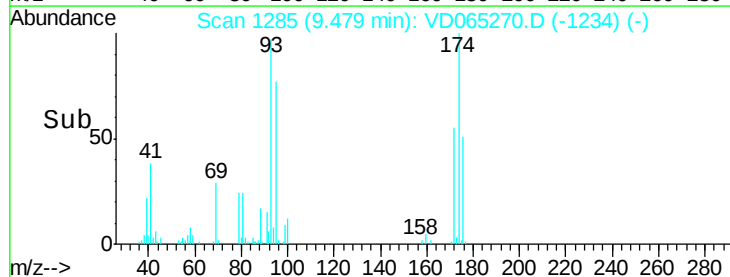
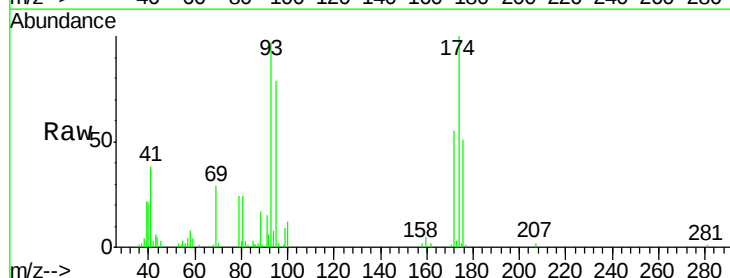
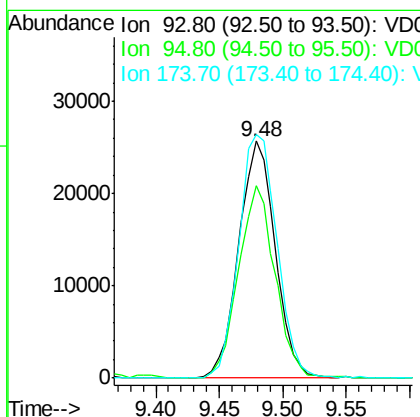
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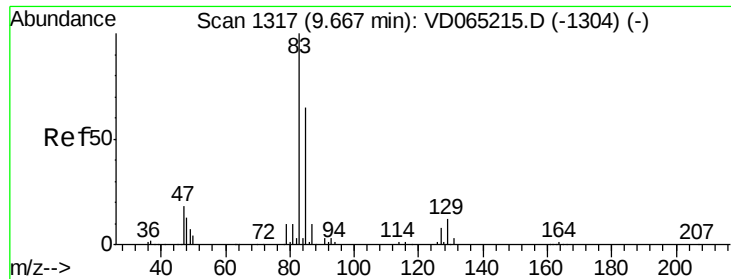
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#46
 Dibromomethane
 Concen: 20.310 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.6
174	107.4	86.8	130.2





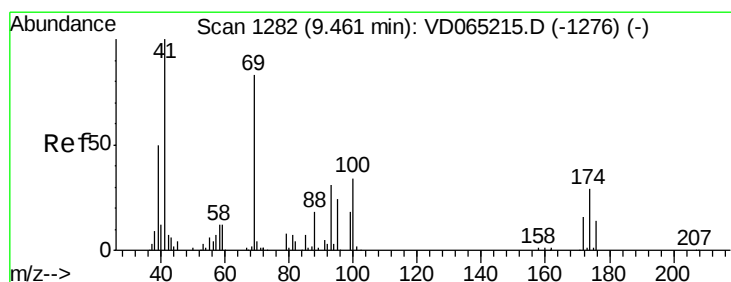
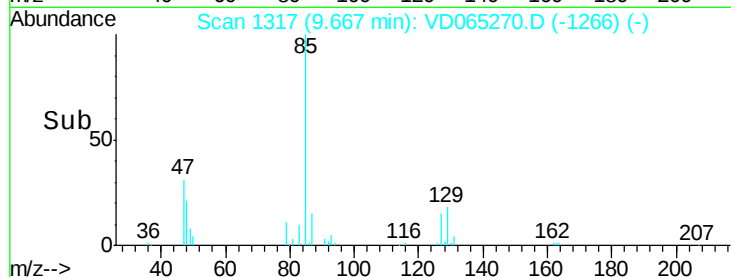
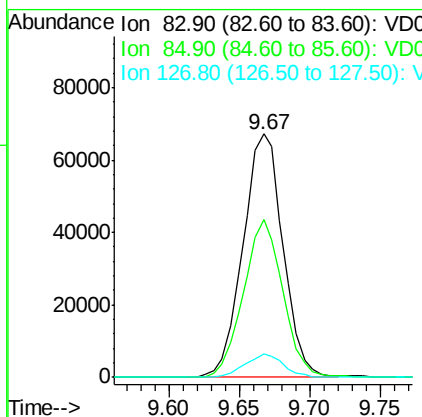
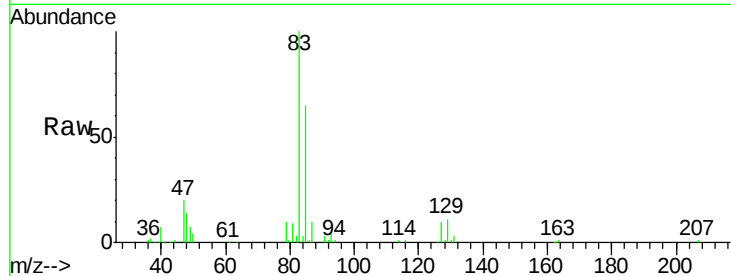
#47
Bromodichloromethane
Concen: 20.026 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	83	Resp	133488
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.0	78.0
127	9.6	6.7	10.1

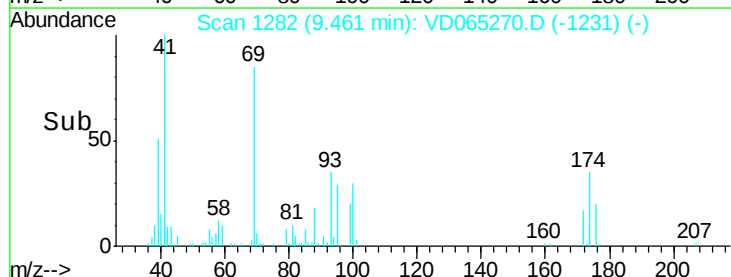
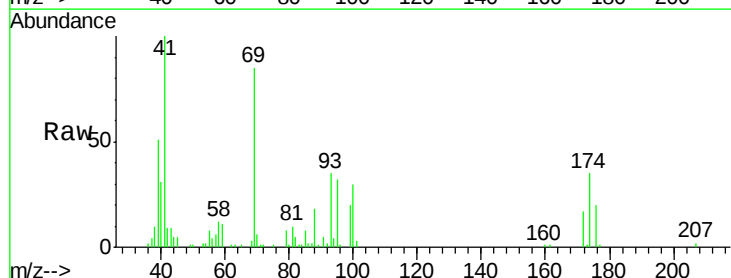
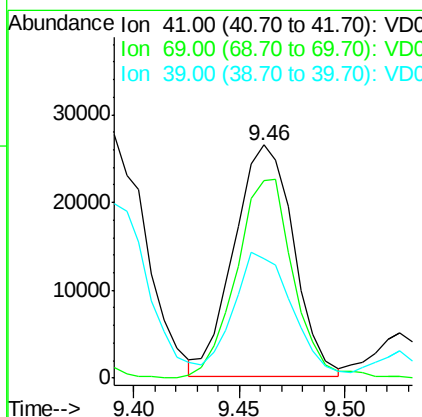
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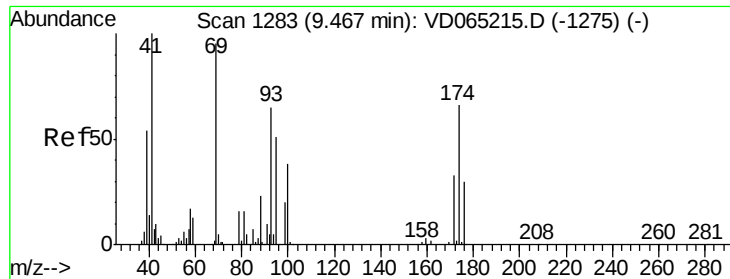
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2/24/2020 11:08:48 AM



#48
Methyl methacrylate
Concen: 20.998 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	41	Resp	51679
Ion Ratio	100	Lower	Upper
41	100		
69	83.1	68.2	102.2
39	49.1	42.0	63.0





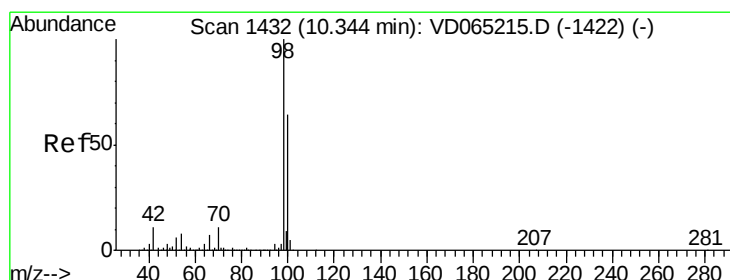
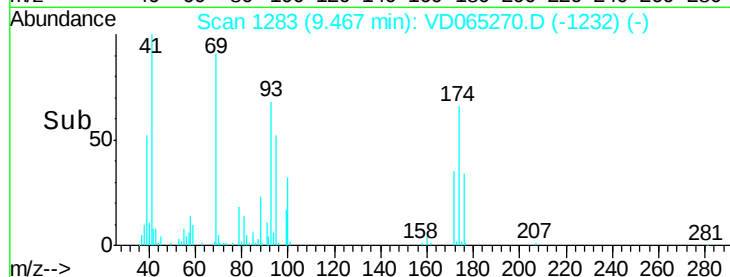
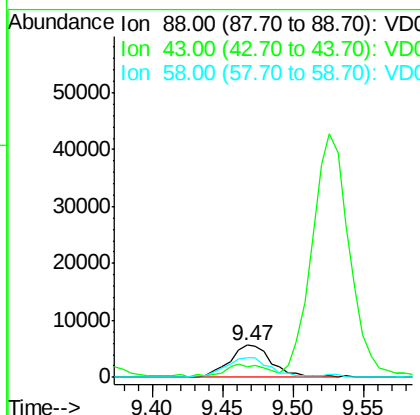
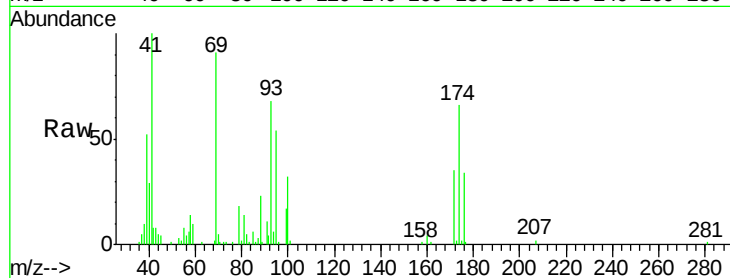
#49
1,4-Dioxane
Concen: 401.849 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	28.5	42.7
58	63.8	58.6	87.8

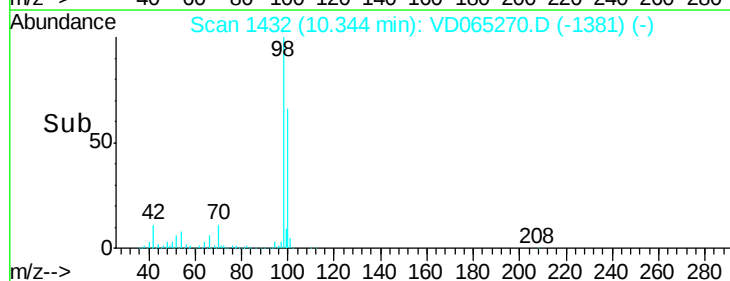
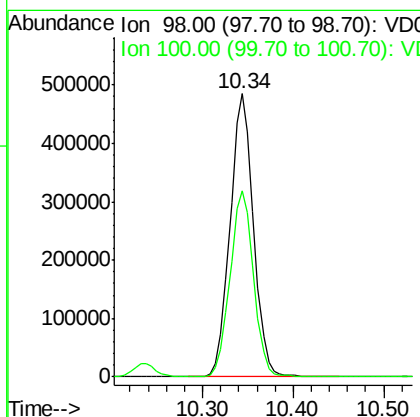
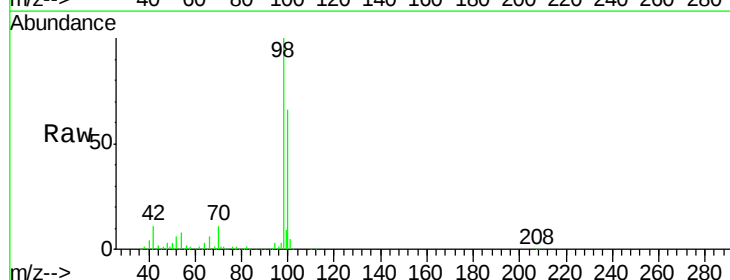
Manual Integrations
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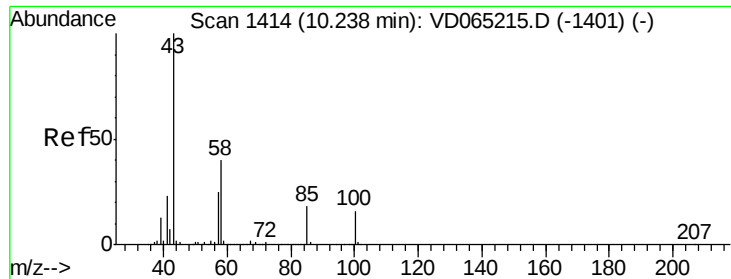
MMDadoda
2/24/2020 11:08:48 AM



#50
Toluene-d8
Concen: 52.049 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 97.553 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 43 Resp: 263824

Ion Ratio Lower Upper

43 100

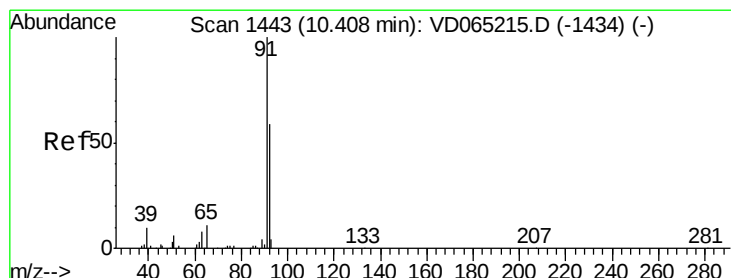
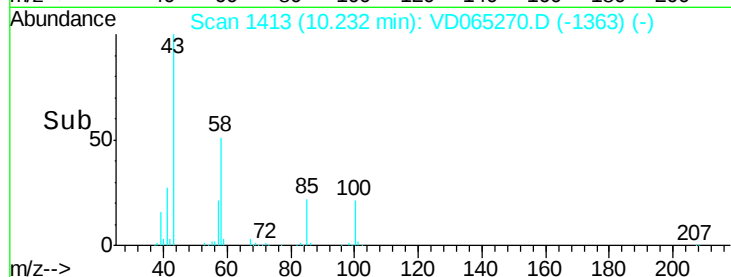
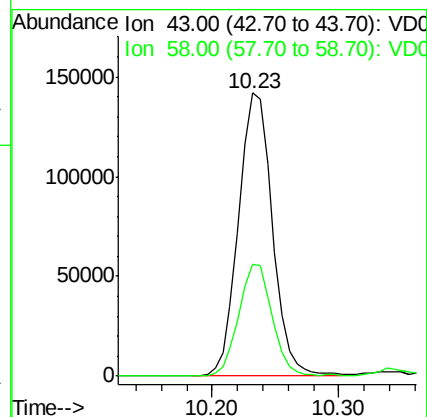
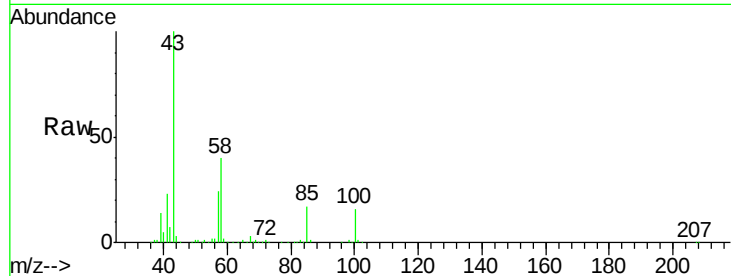
58 38.8 31.1 46.7

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#52

Toluene

Concen: 21.233 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065270.D

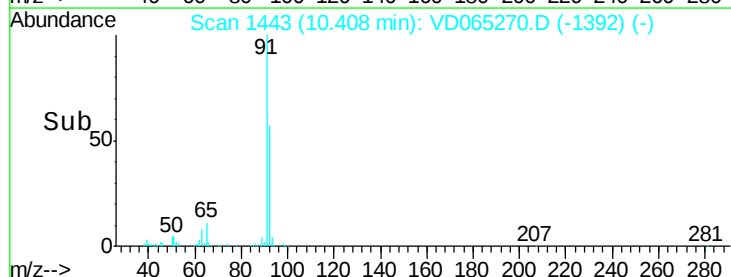
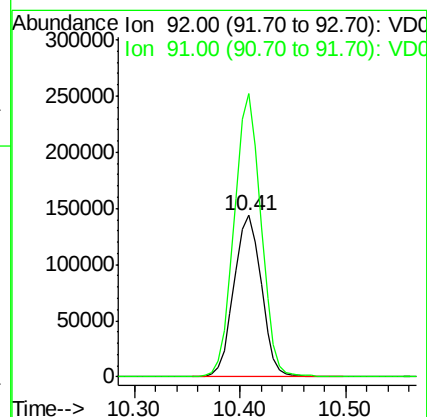
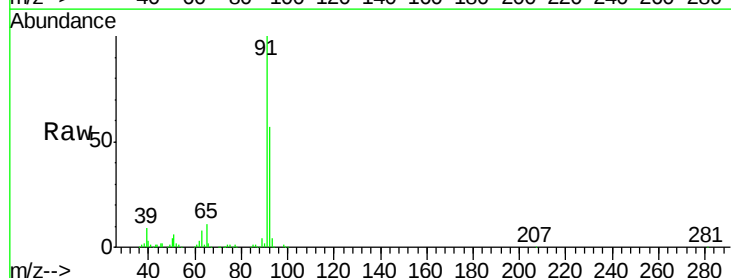
Acq: 21 Feb 2020 12:45

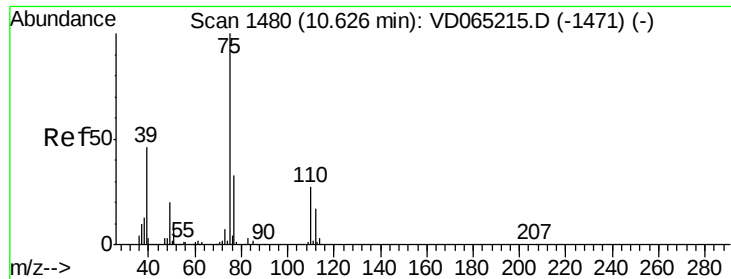
Tgt Ion: 92 Resp: 259833

Ion Ratio Lower Upper

92 100

91 170.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 19.645 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 75 Resp: 121375

Ion Ratio Lower Upper

75 100

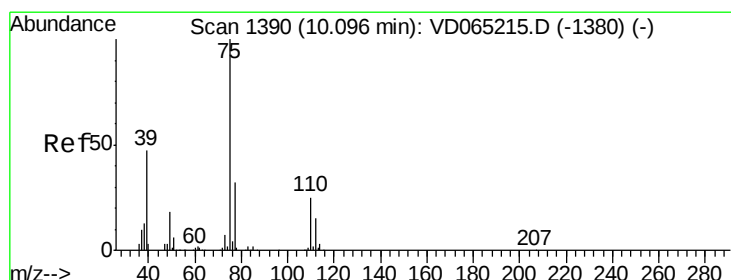
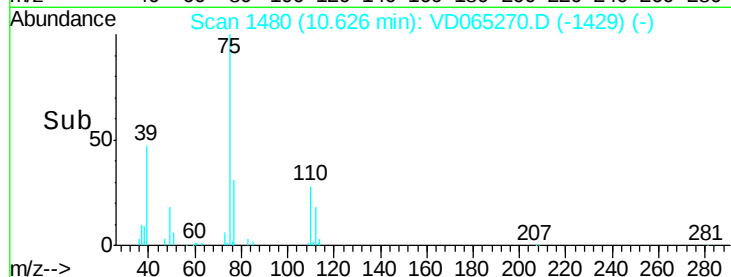
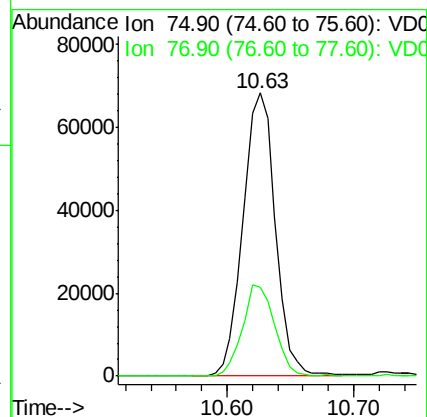
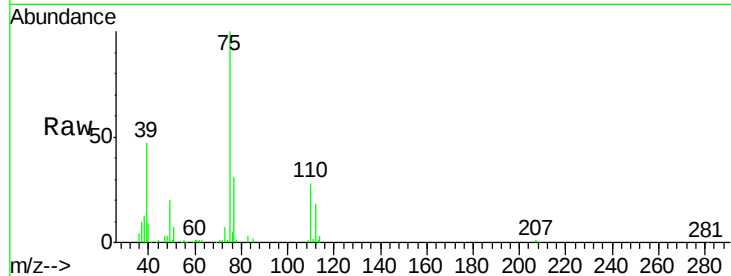
77 31.4 26.6 40.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.317 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

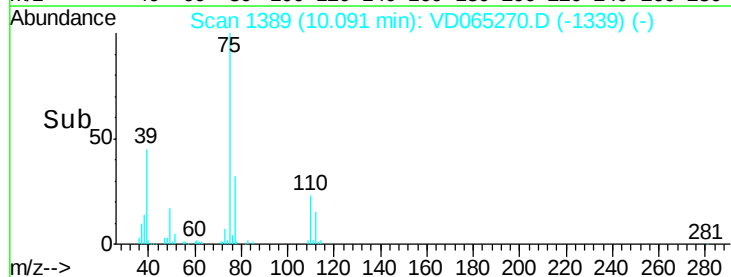
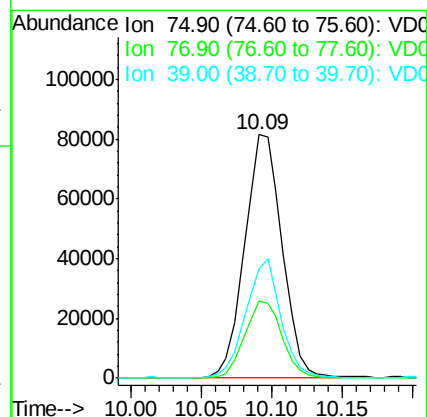
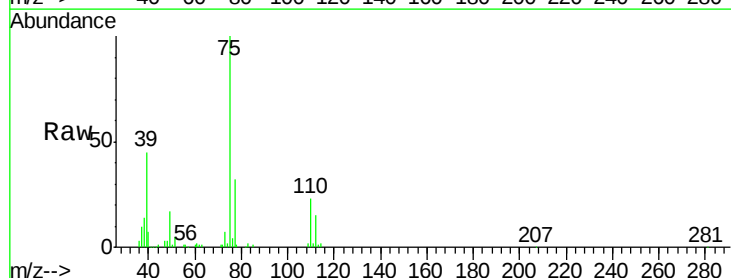
Tgt Ion: 75 Resp: 151582

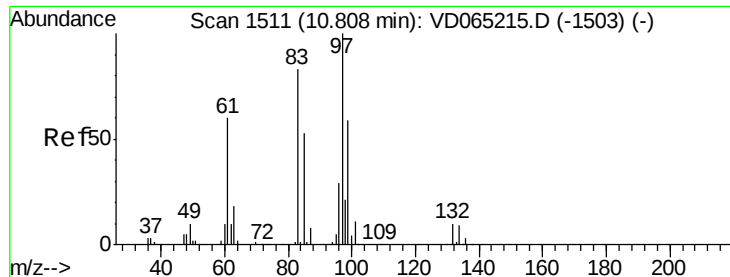
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 44.7 37.3 55.9





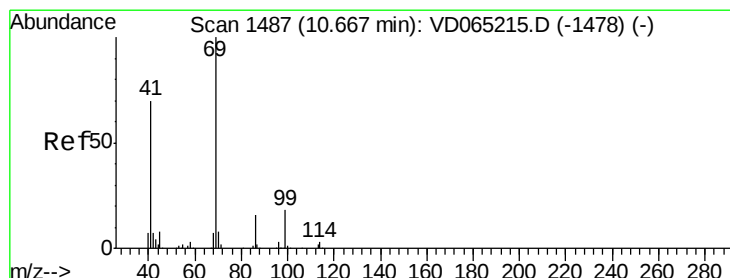
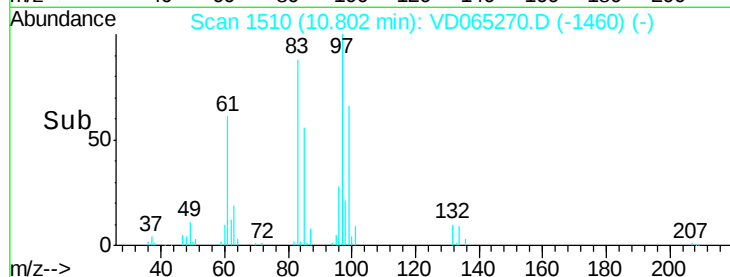
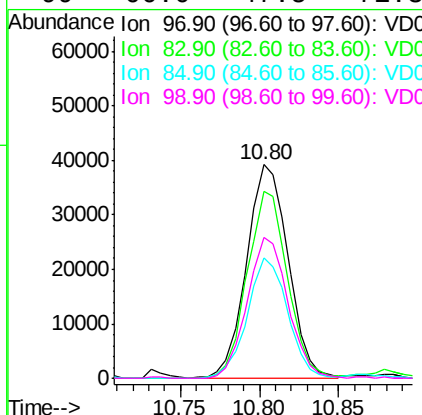
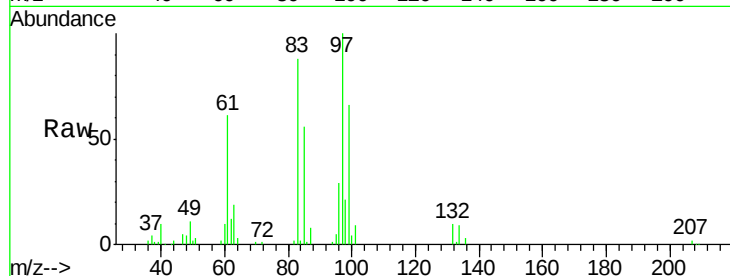
#55
 1,1,2-Trichloroethane
 Concen: 20.092 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion:	97	Resp:	71530
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.7	100.1
85	56.4	42.4	63.6
99	66.0	47.5	71.3

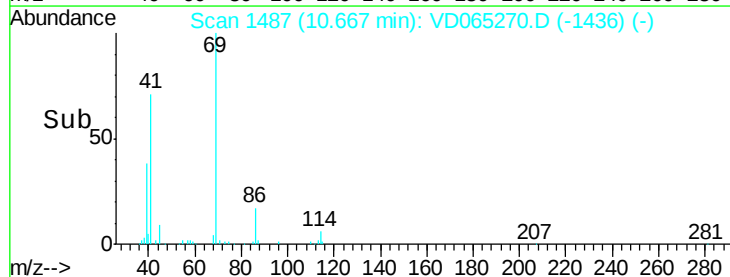
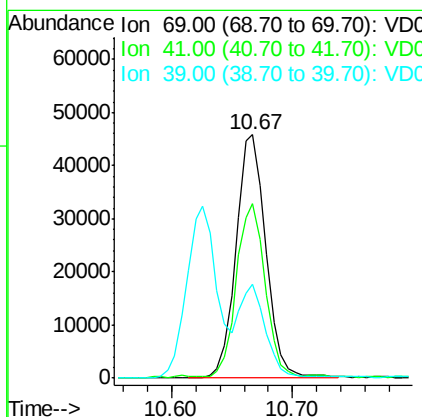
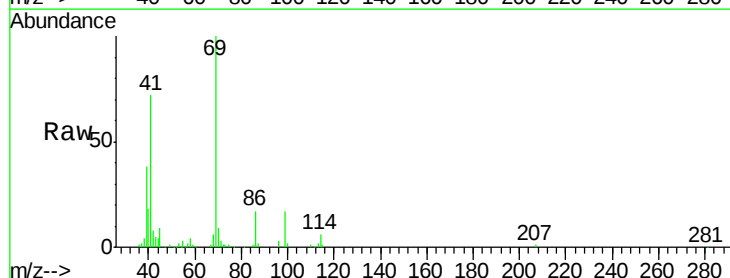
Manual Integrations
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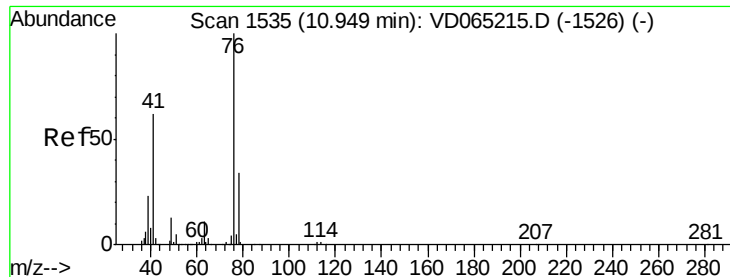
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#56
 Ethyl methacrylate
 Concen: 19.284 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion:	69	Resp:	79238
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.6	81.8
39	33.2	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.304 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 76 Resp: 123027

Ion Ratio Lower Upper

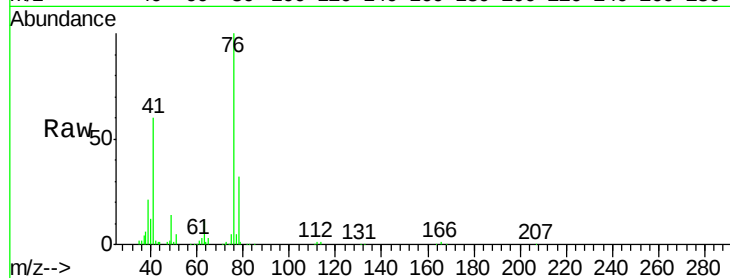
76 100

78 32.4 26.3 39.5

Manual Integrations
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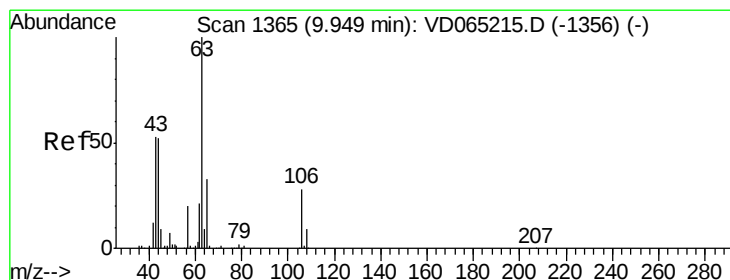
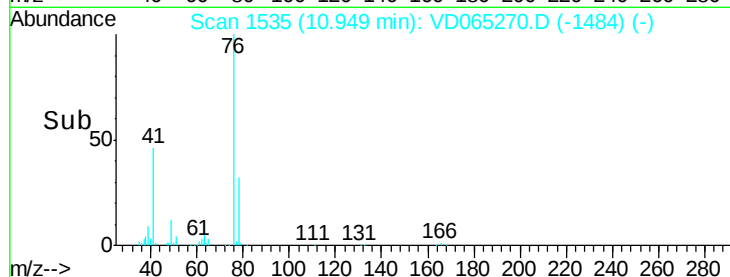
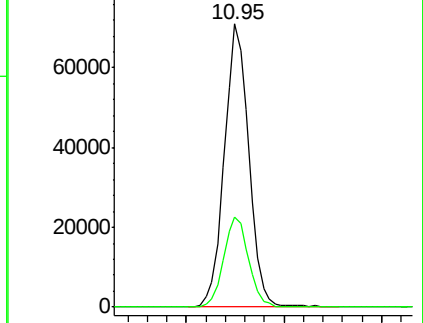
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 91.806 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065270.D

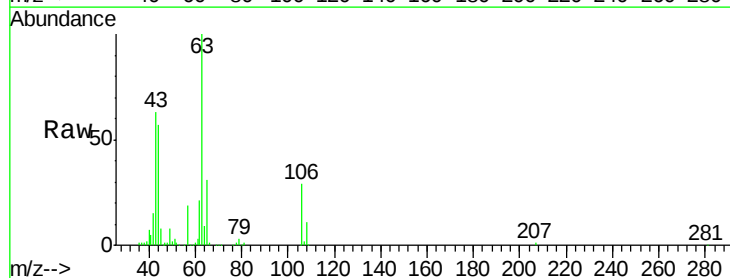
Acq: 21 Feb 2020 12:45

Tgt Ion: 63 Resp: 118933

Ion Ratio Lower Upper

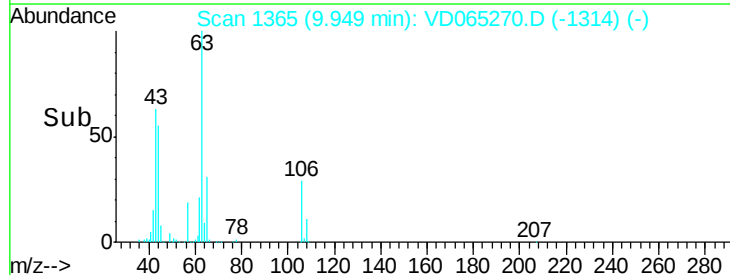
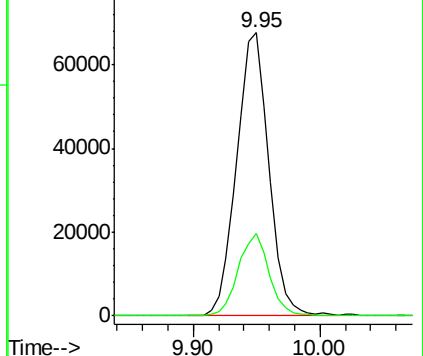
63 100

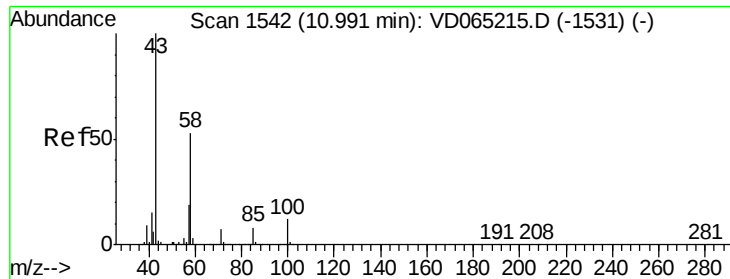
106 27.8 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





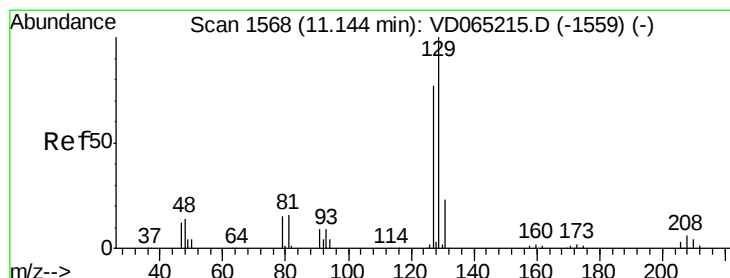
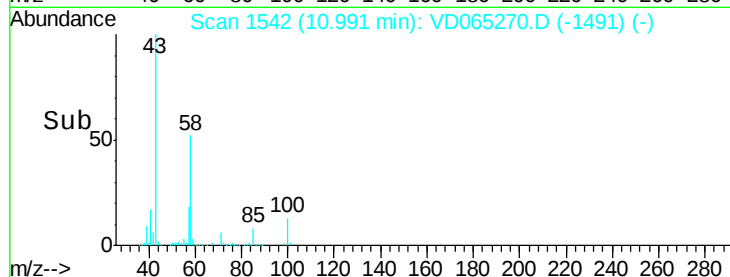
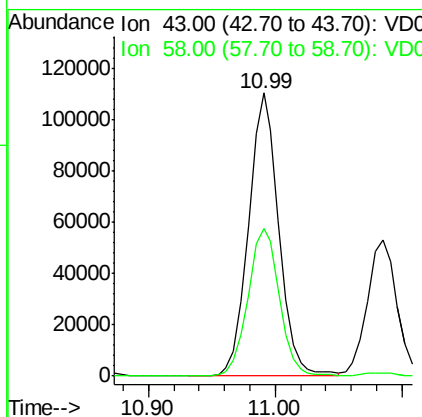
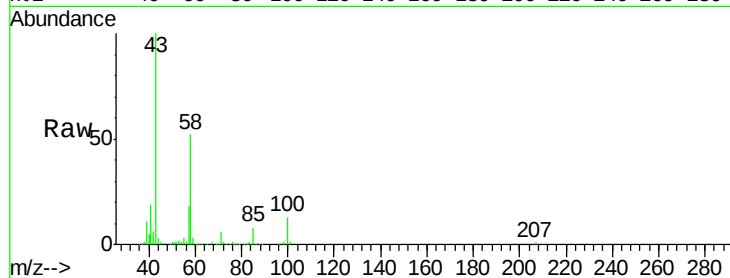
#59
2-Hexanone
Concen: 94.525 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	26.3	78.8

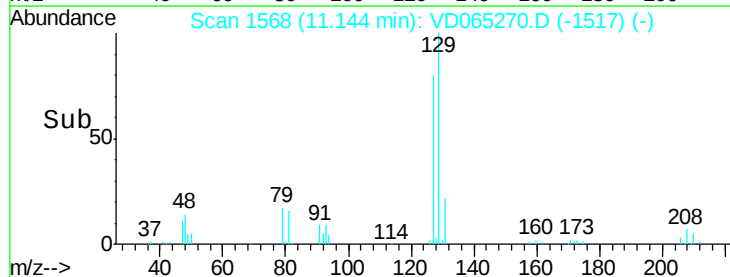
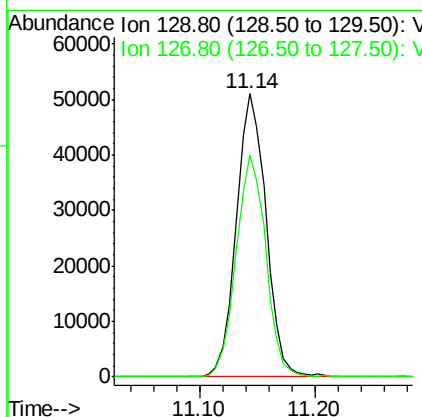
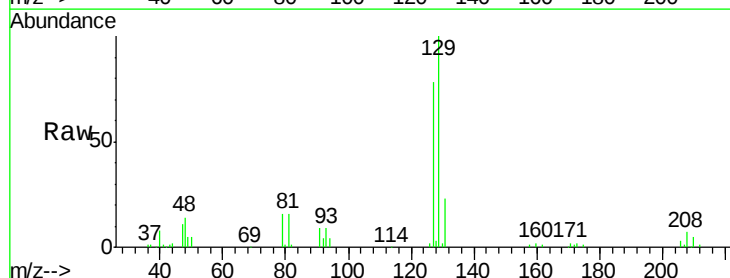
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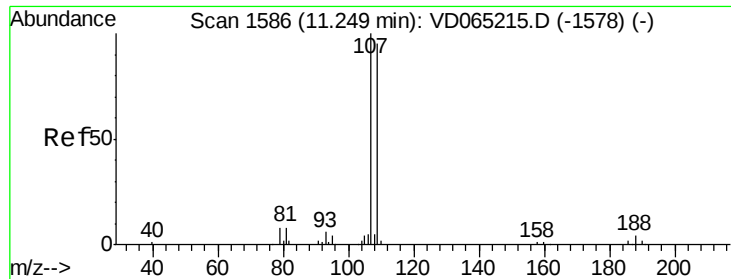
MMDadoda
2/24/2020 11:08:48 AM



#60
Dibromochloromethane
Concen: 19.995 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.7	116.1





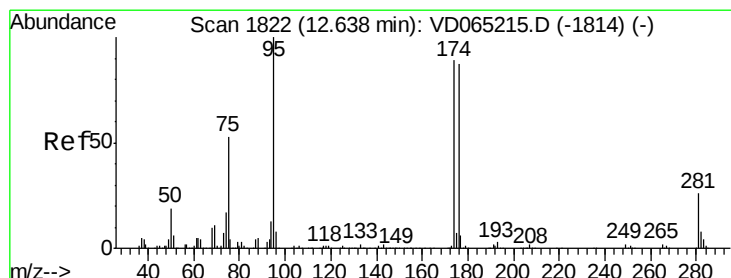
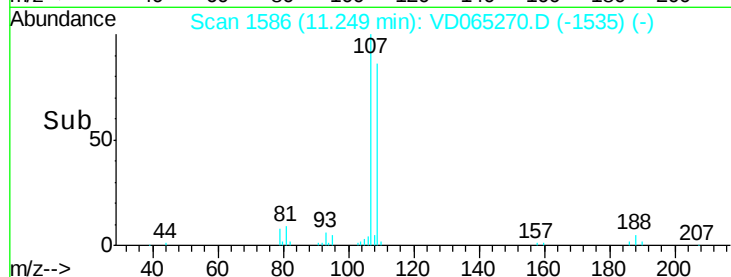
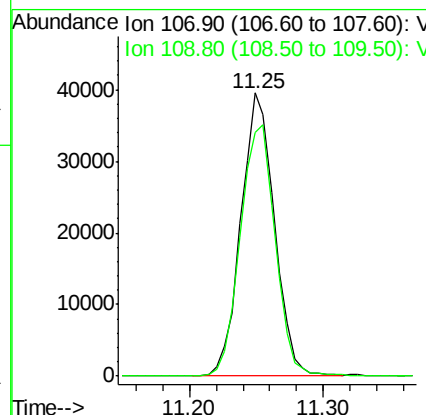
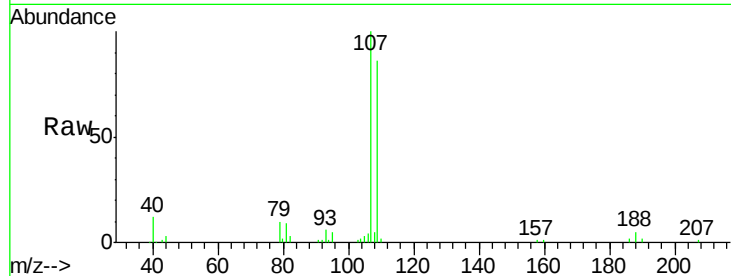
#61
 1,2-Dibromoethane
 Concen: 20.372 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion: 107 Resp: 68669
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.2 114.4

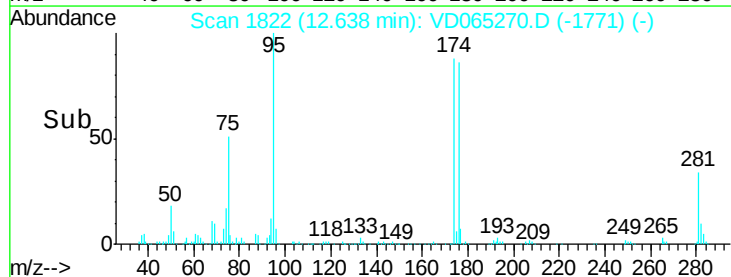
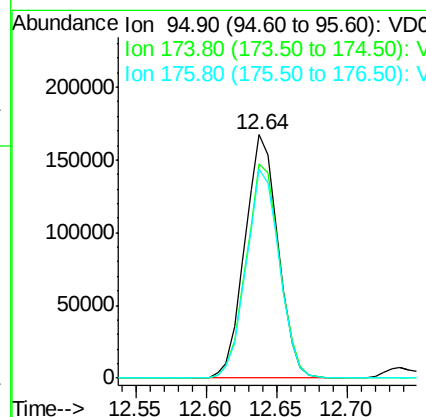
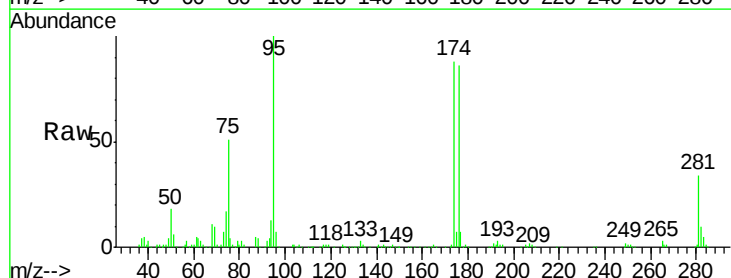
Manual Integrations
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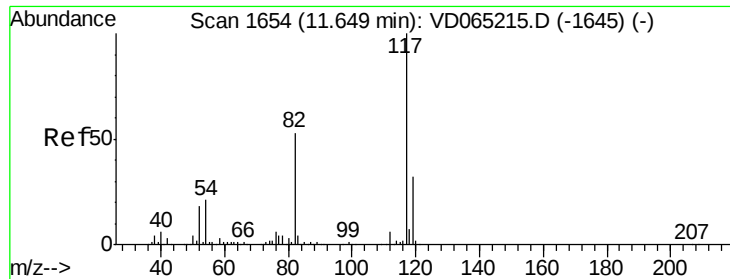
MMDadoda
 2/24/2020 11:08:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.892 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion: 95 Resp: 275839
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.0
 176 85.8 0.0 174.4





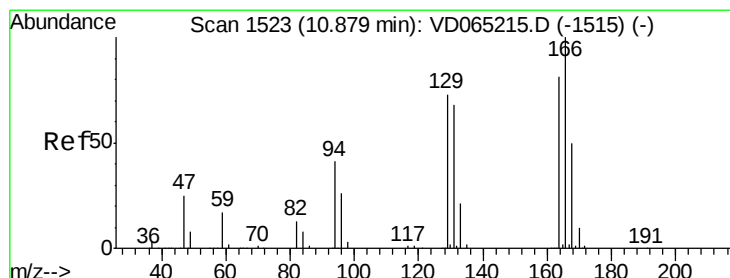
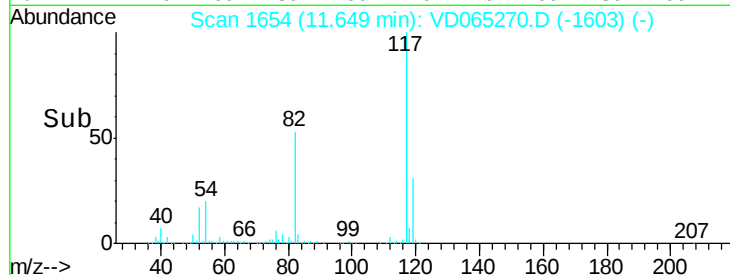
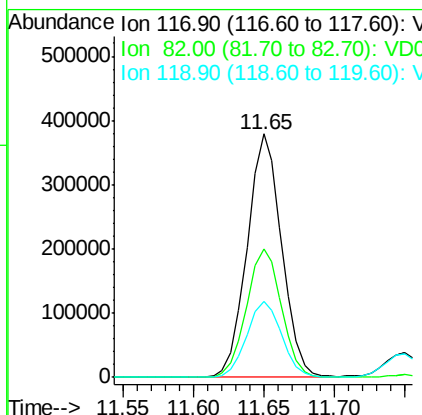
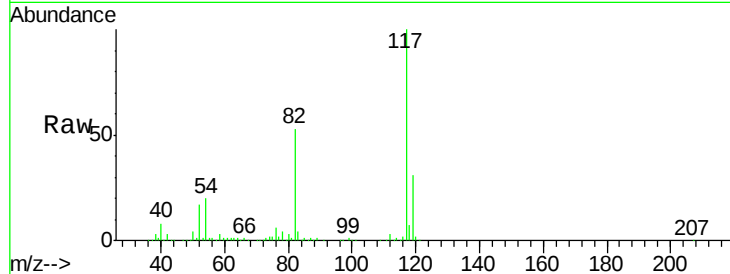
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.7	64.1
119	31.1	25.5	38.3

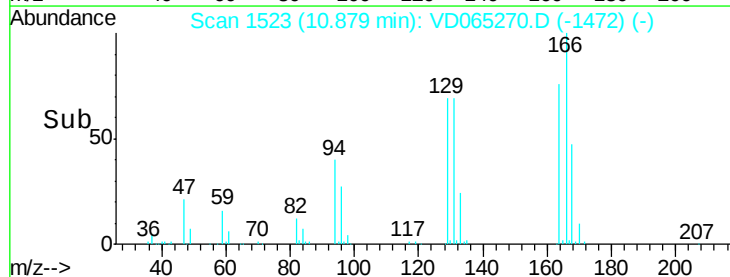
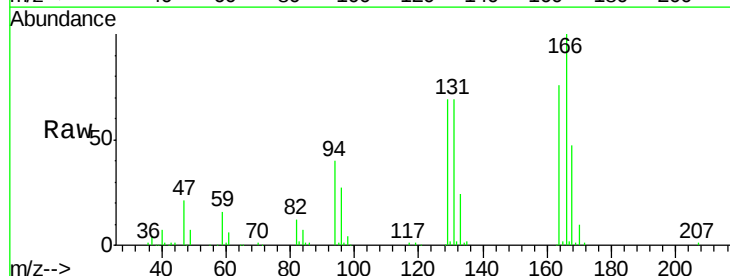
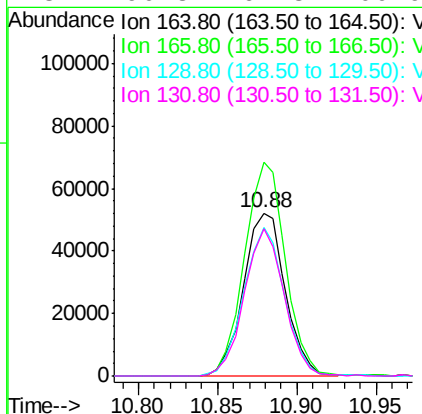
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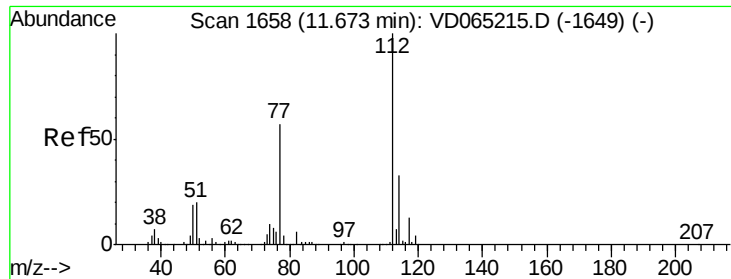
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#64
Tetrachloroethene
Concen: 20.684 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	98.4	147.6
129	90.6	71.6	107.4
131	90.3	67.3	100.9





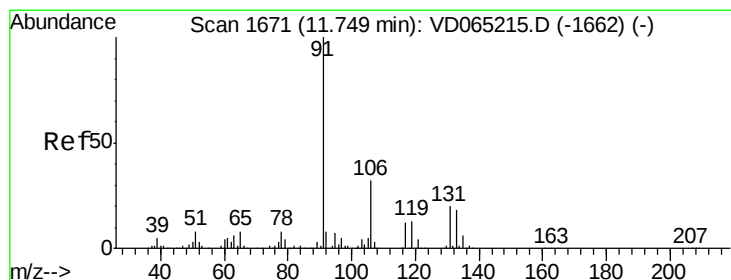
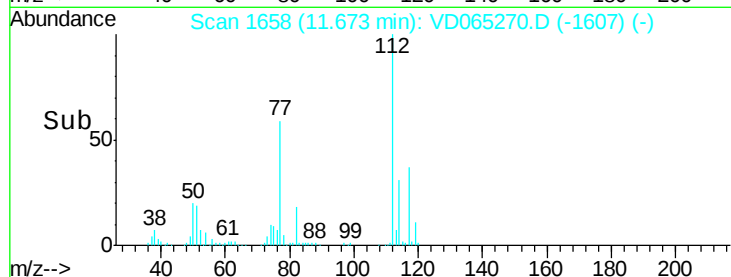
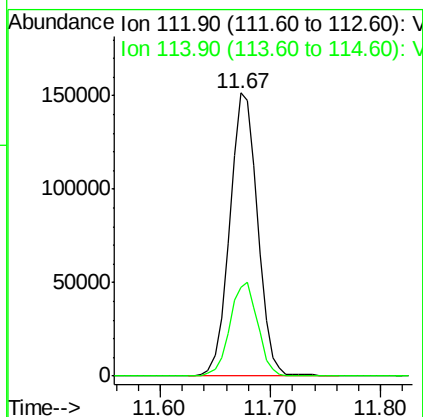
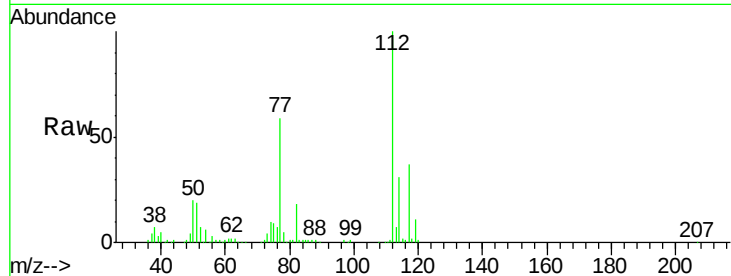
#65
Chlorobenzene
Concen: 20.573 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.4	39.6

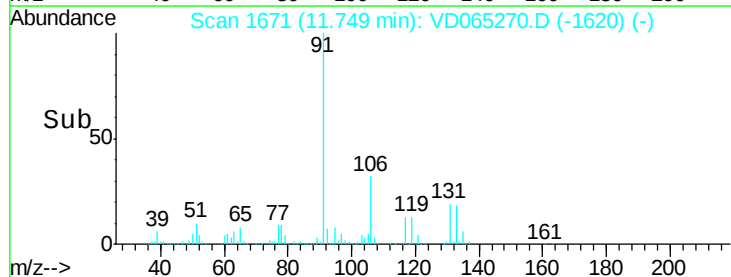
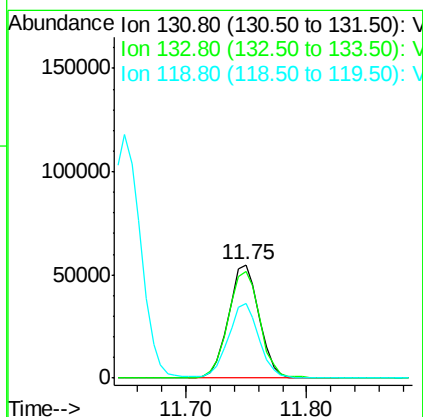
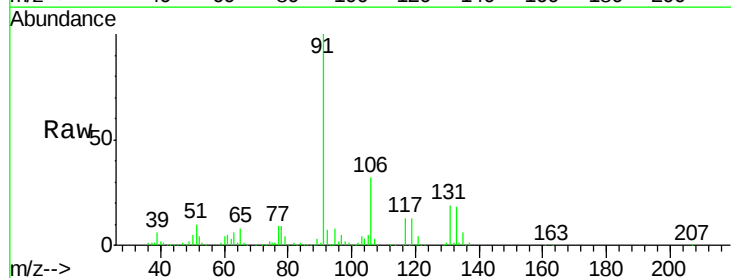
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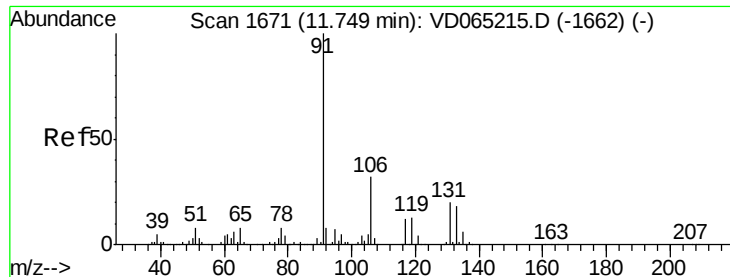
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.930 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.7	143.1
119	66.3	32.7	98.1





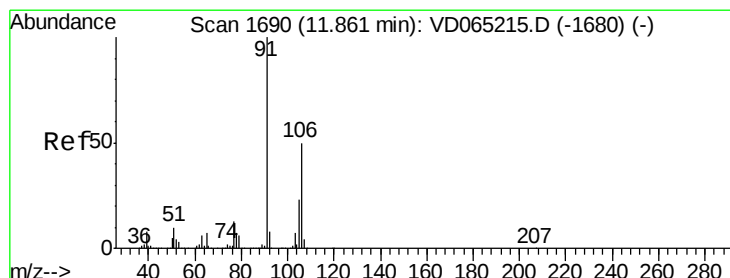
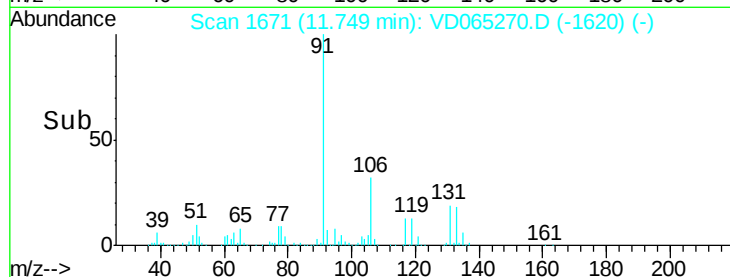
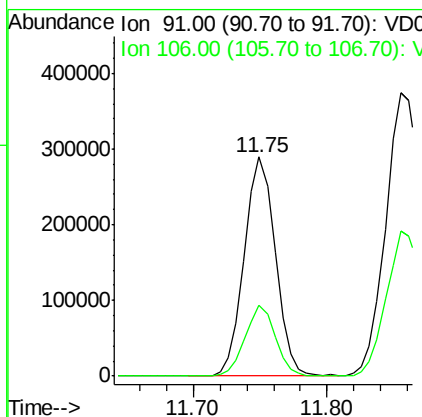
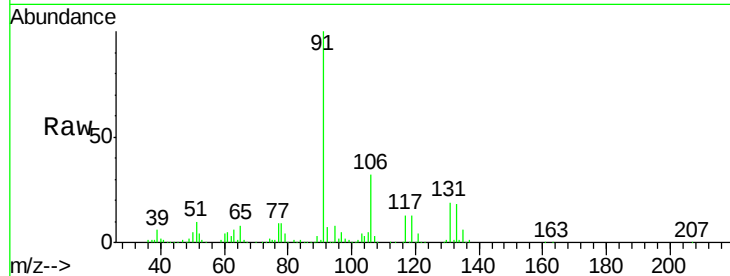
#67
Ethyl Benzene
Concen: 20.496 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion: 91 Resp: 468084
Ion Ratio Lower Upper
91 100
106 32.4 25.2 37.8

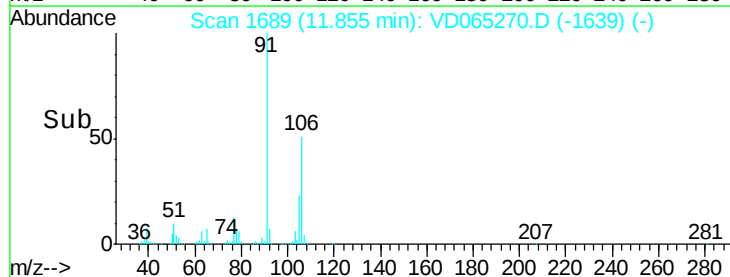
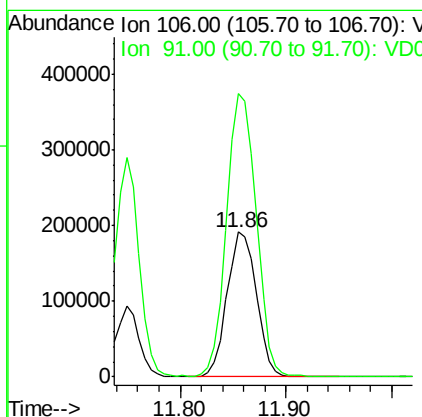
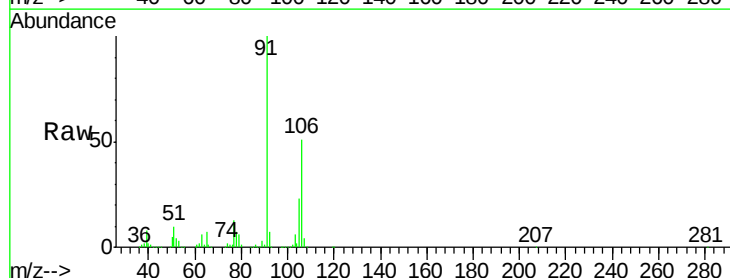
Manual Integrations
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#68
m/p-Xylenes
Concen: 42.119 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion: 106 Resp: 368013
Ion Ratio Lower Upper
106 100
91 198.0 158.2 237.4





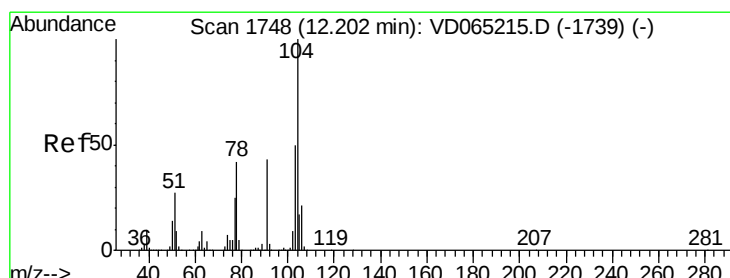
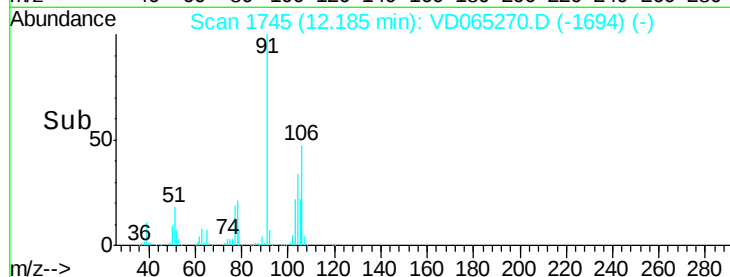
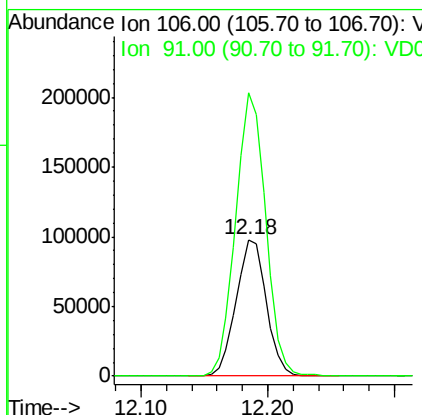
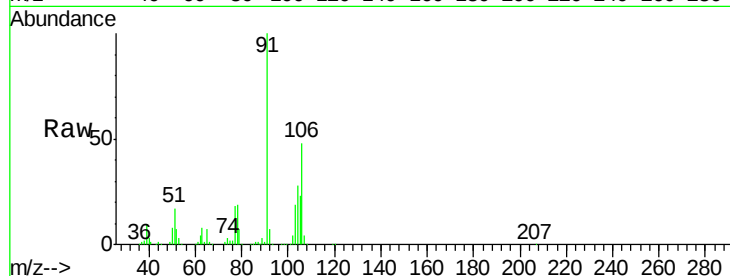
#69
o-Xylene
Concen: 20.862 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.1	104.7	313.9

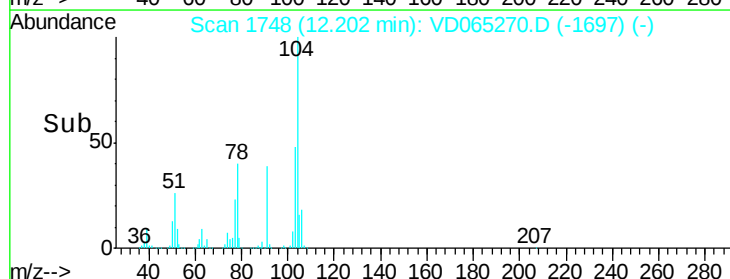
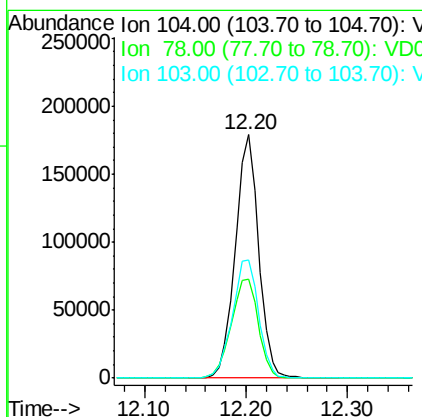
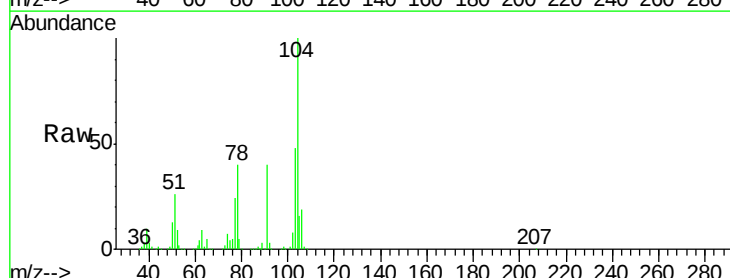
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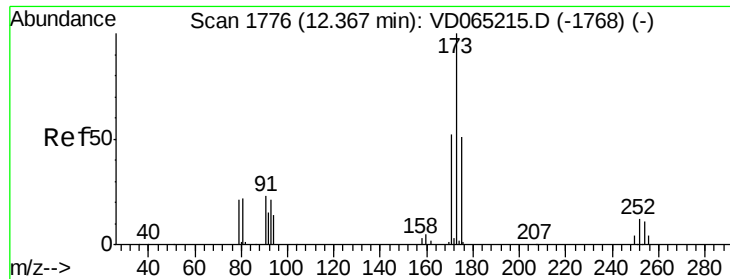
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#70
Styrene
Concen: 20.855 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.8	56.6
103	54.7	43.4	65.2





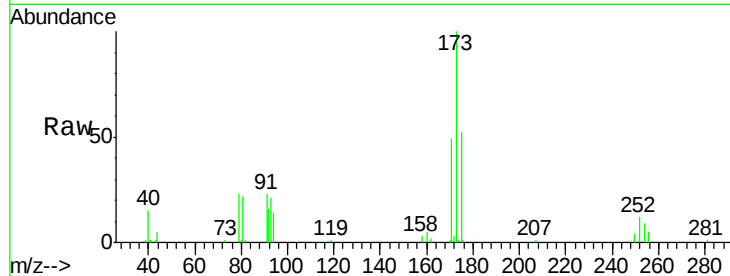
#71
Bromoform
Concen: 19.865 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

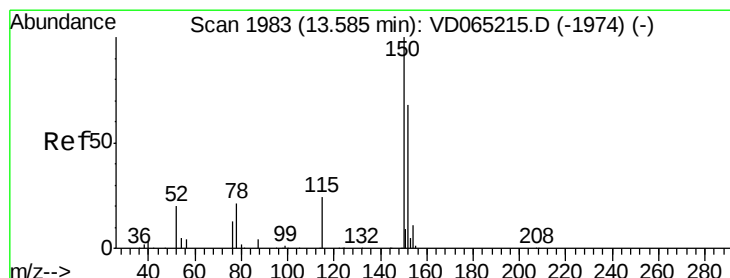
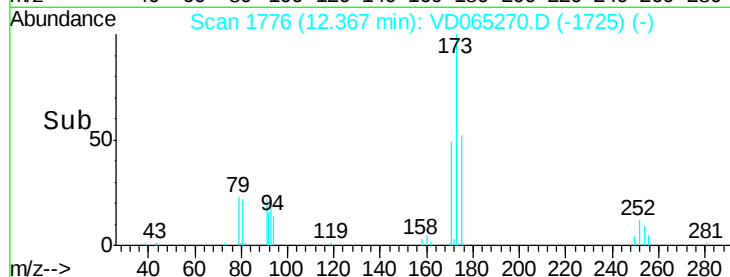
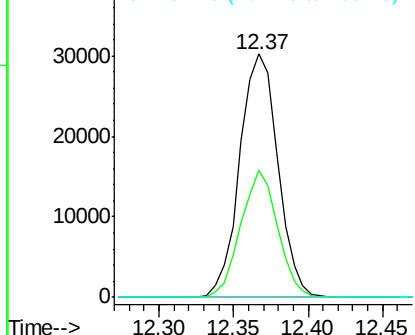
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.4	73.4
254	0.0	0.0	0.0

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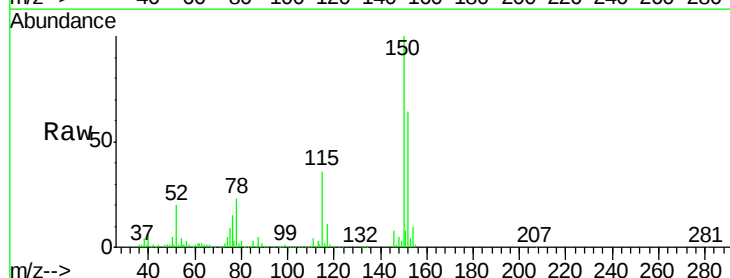


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

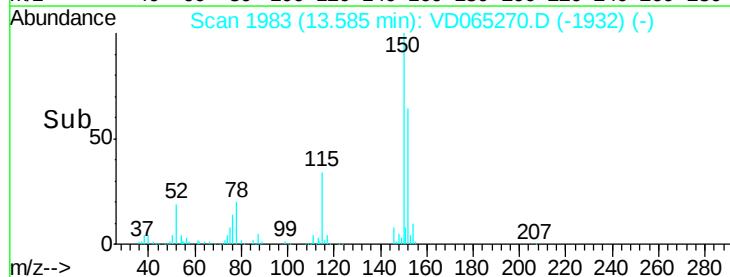
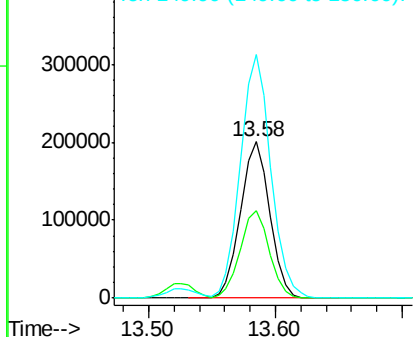


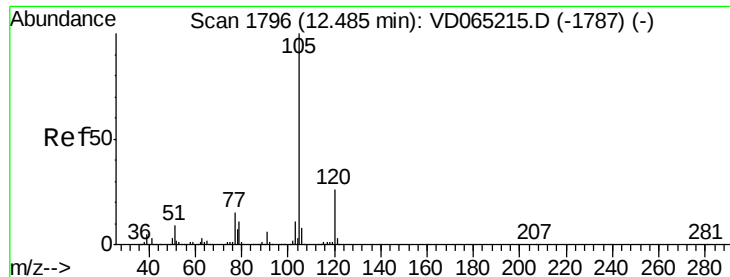
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.8
150	161.8	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.542 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0221SBS01

Tot Ion: 105 Resp: 437103

Ion Ratio Lower Upper

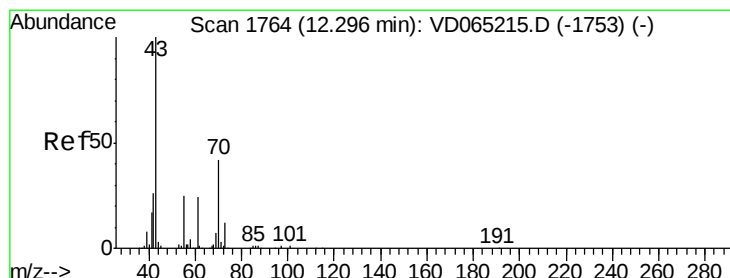
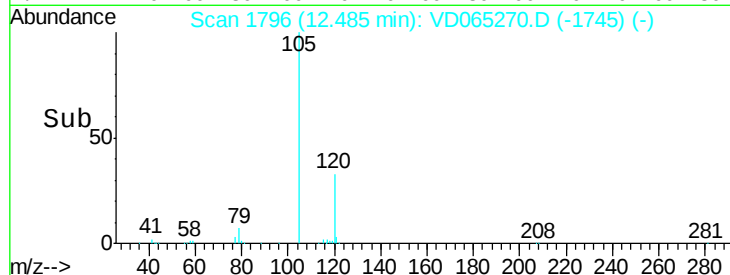
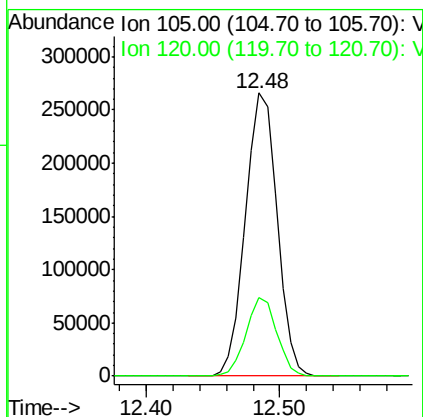
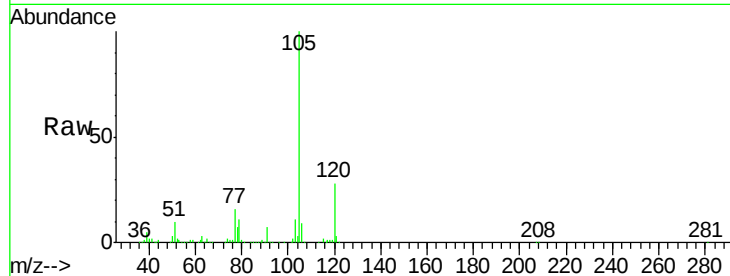
105 100

120 27.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.655 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion: 43 Resp: 88201

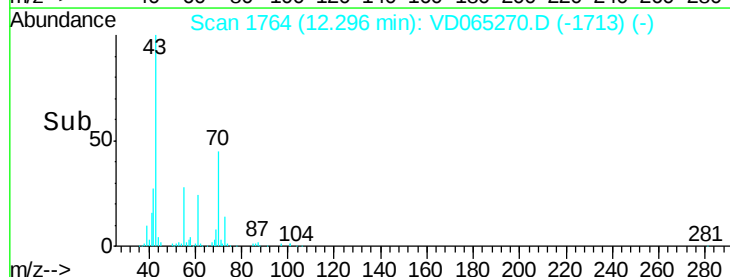
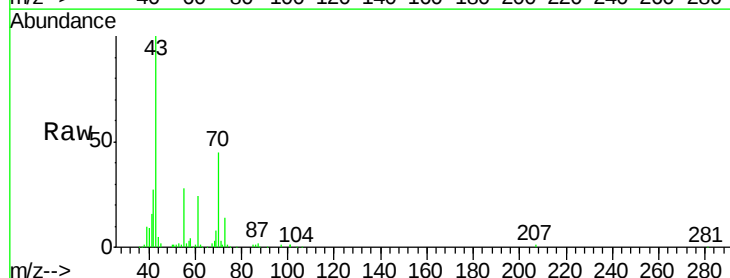
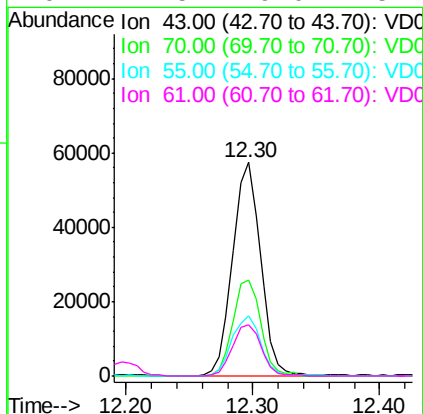
Ion Ratio Lower Upper

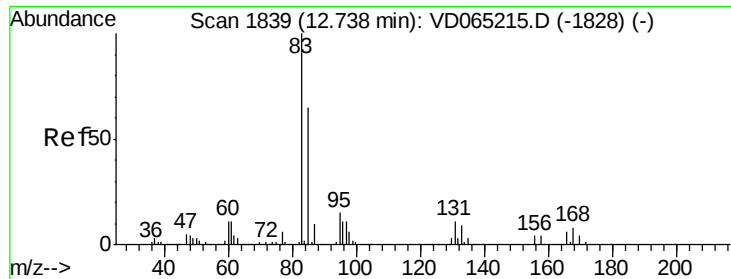
43 100

70 44.6 33.7 50.5

55 29.1 20.7 31.1

61 24.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.014 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

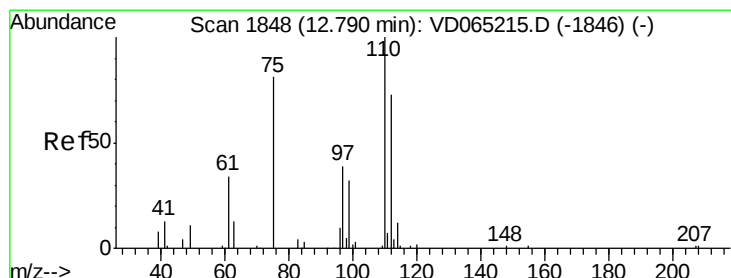
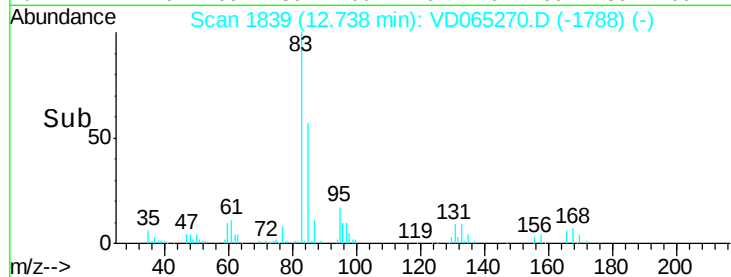
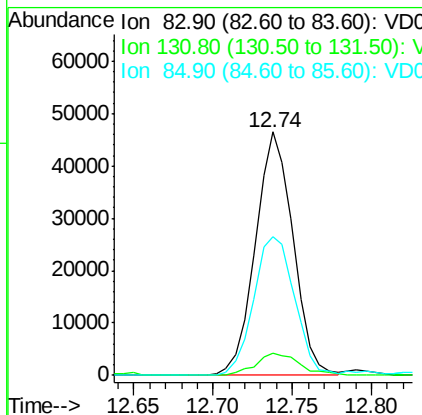
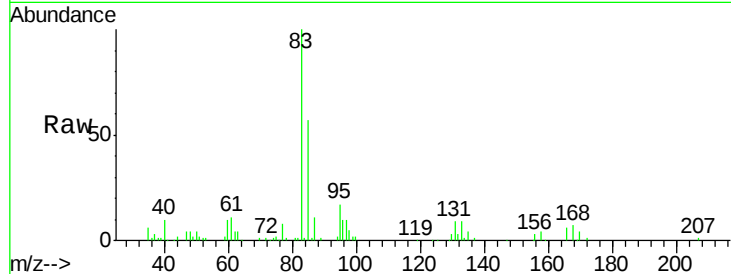
ClientSampleId :

VD0221SBS01

Tot Ion:	83	Resp:	76858
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	61.8	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 18.432 ug/l m

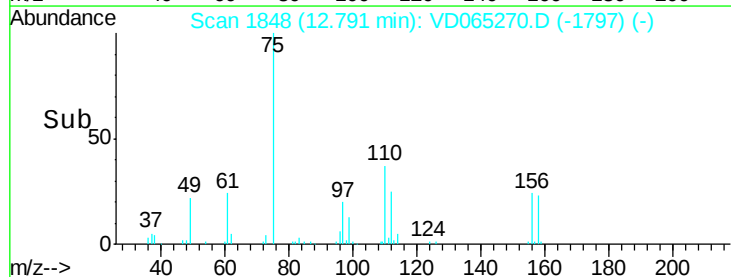
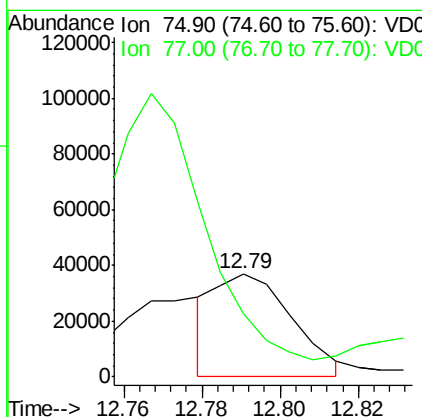
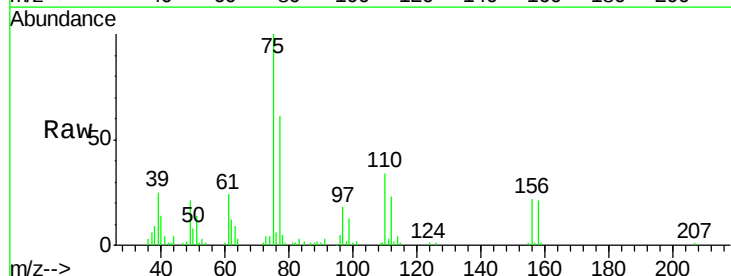
RT: 12.79 min Scan# 1848

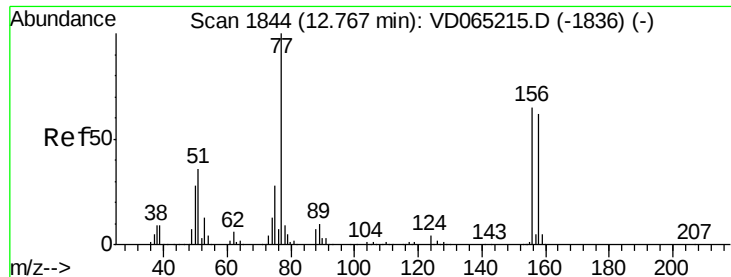
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	75	Resp:	50403
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.575 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

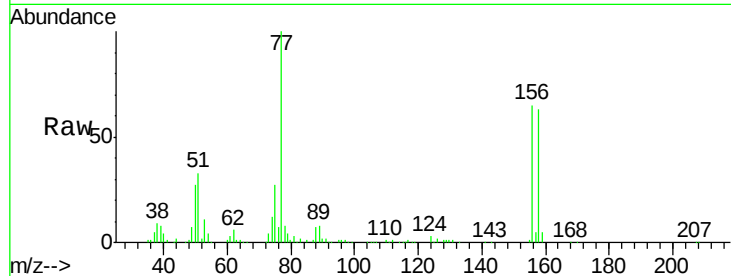
ClientSampleId :

VD0221SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		108711		
77	174.3	86.6	259.7		
158	97.7	48.1	144.3		

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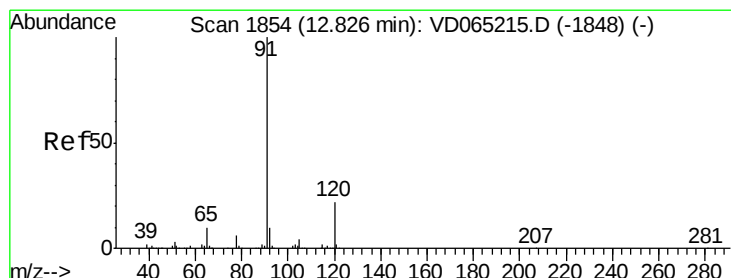
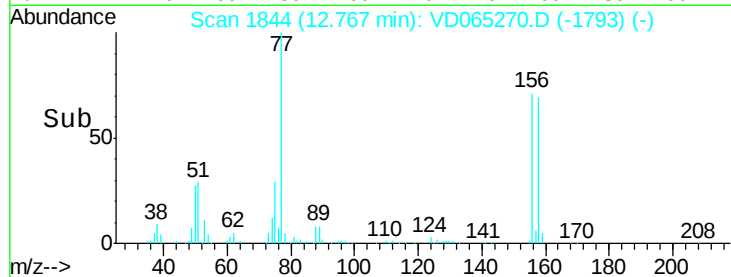
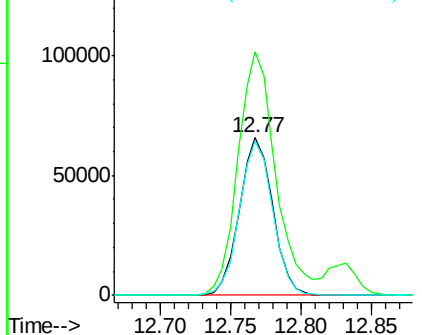
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.175 ug/l

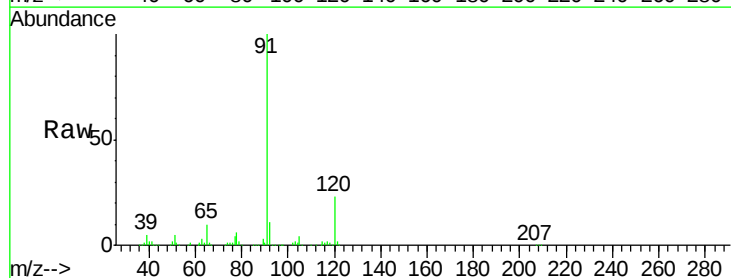
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065270.D

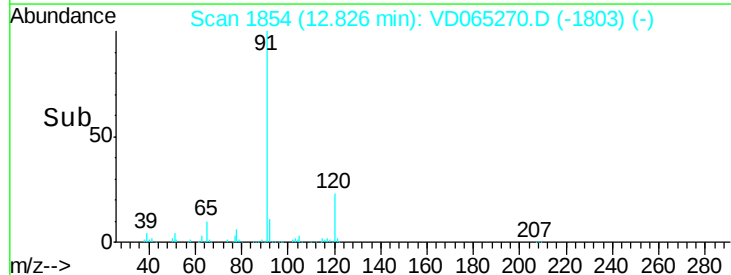
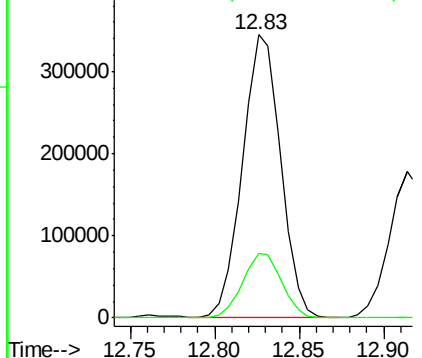
Acq: 21 Feb 2020 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		541441		
120	23.5	11.5	34.5		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





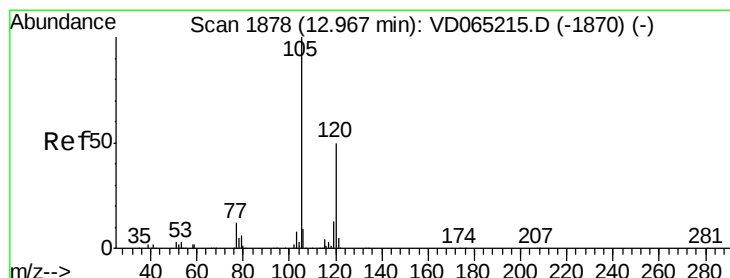
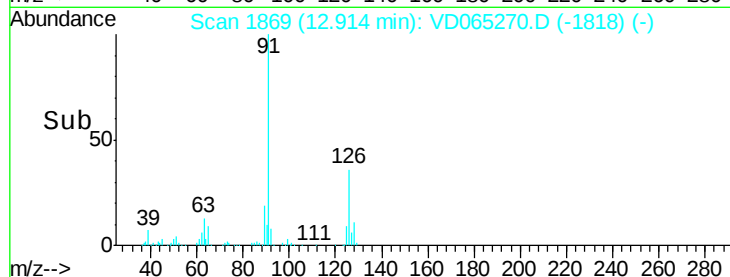
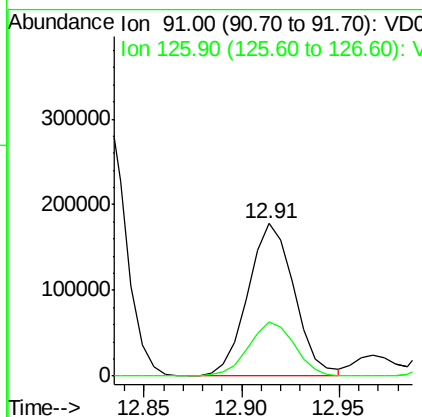
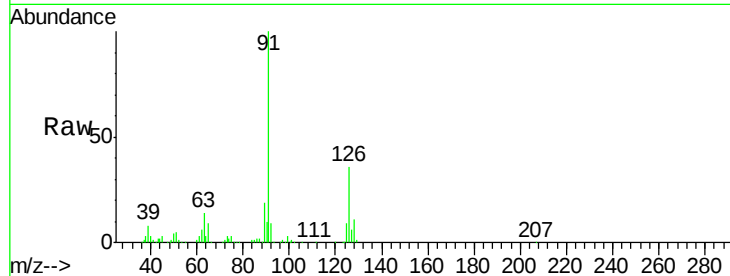
#79
2-Chlorotoluene
Concen: 20.419 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion: 91 Resp: 292498
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

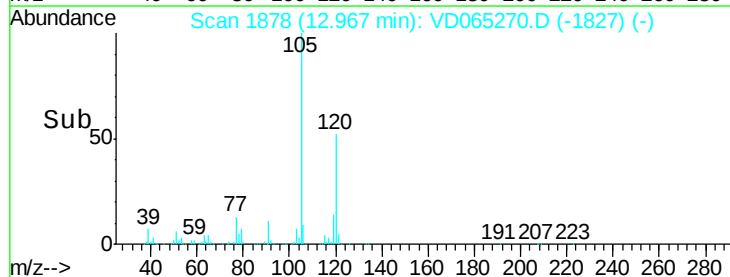
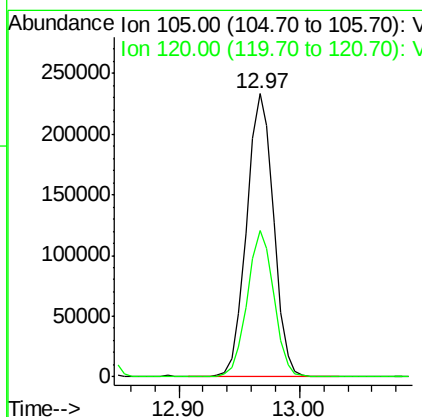
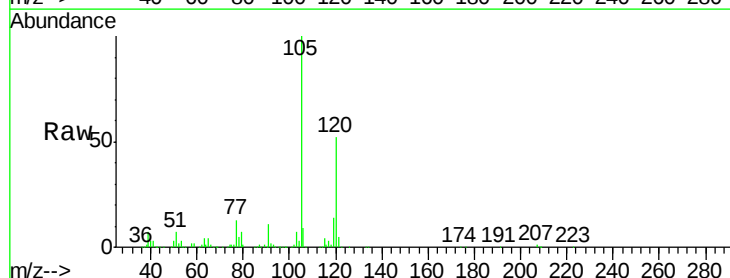
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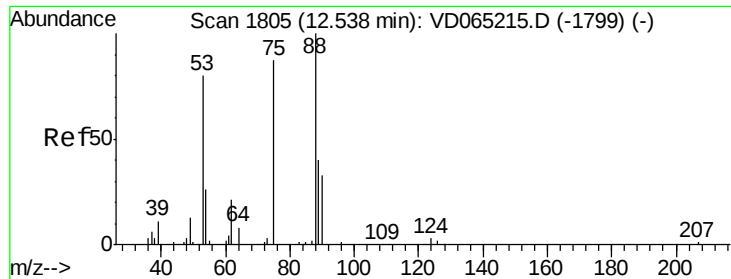
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#80
1,3,5-Trimethylbenzene
Concen: 20.799 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion: 105 Resp: 364504
Ion Ratio Lower Upper
105 100
120 51.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.899 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

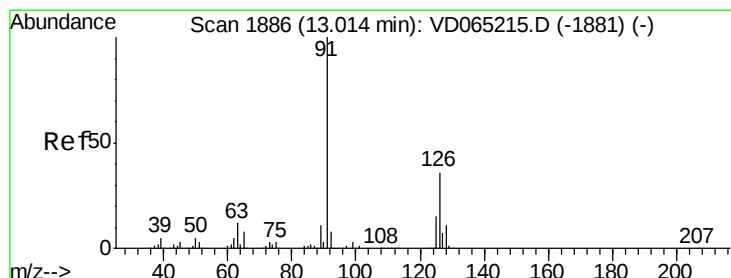
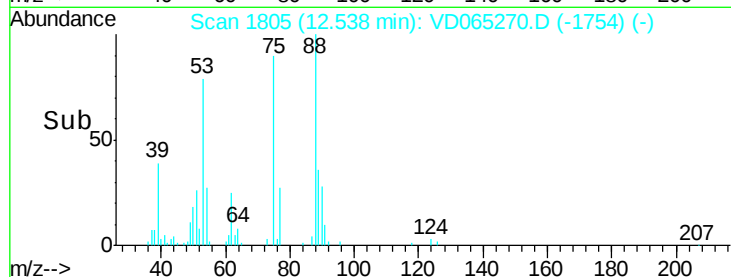
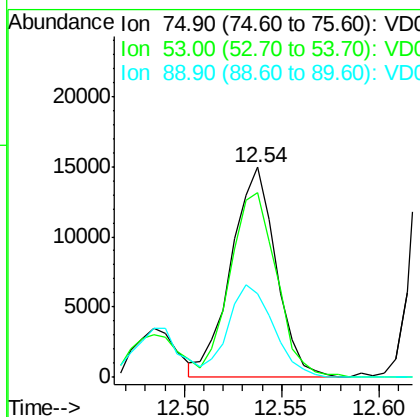
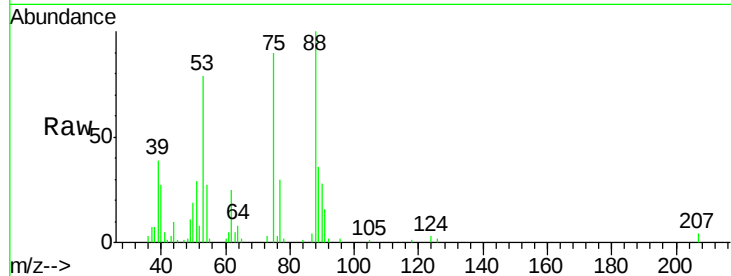
ClientSampleId :

VD0221SBSD01

Tot Ion:	75	Resp:	23935
Ion	Ratio	Lower	Upper
75	100		
53	90.6	77.6	116.4
89	44.6	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.787 ug/l

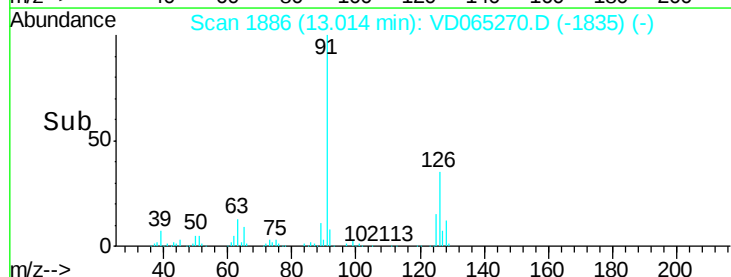
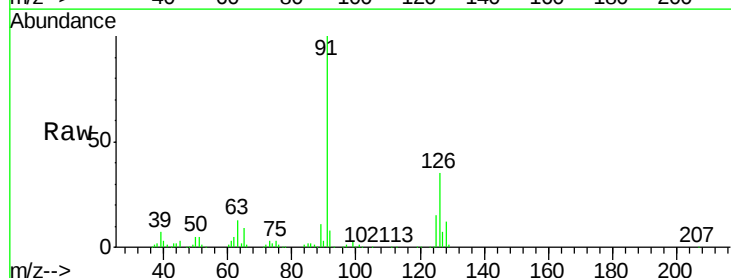
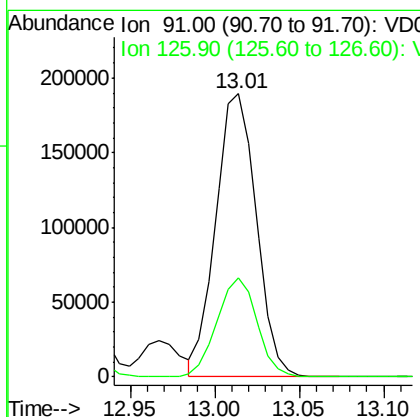
RT: 13.01 min Scan# 1886

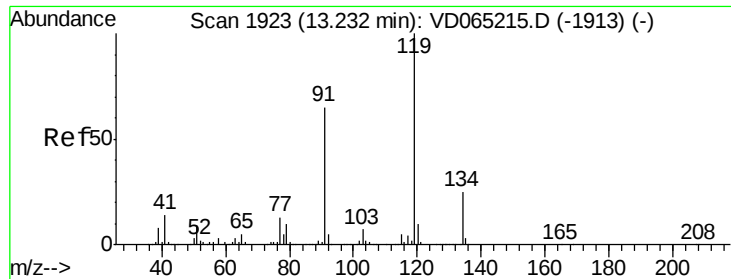
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	91	Resp:	316126
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3





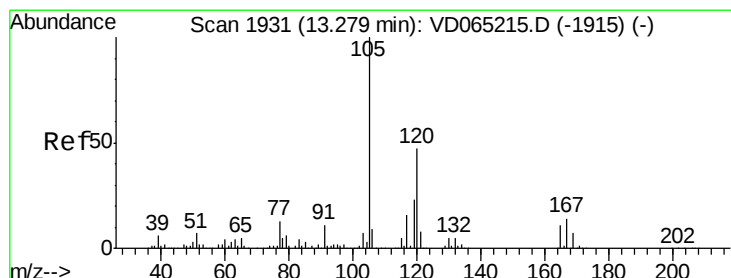
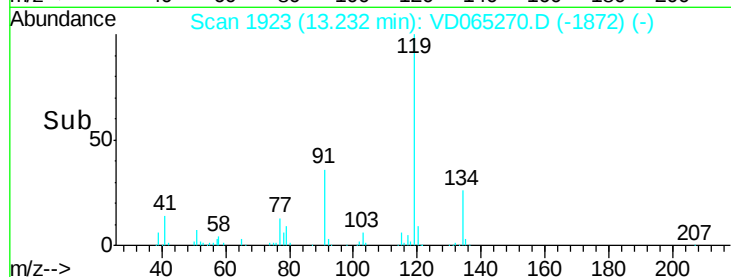
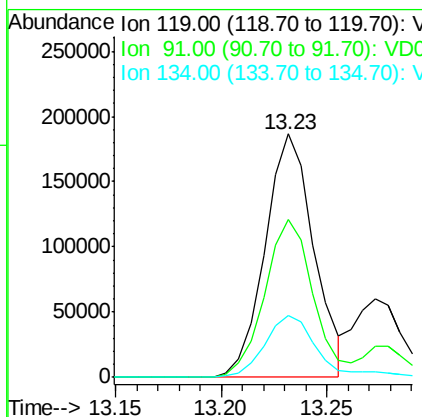
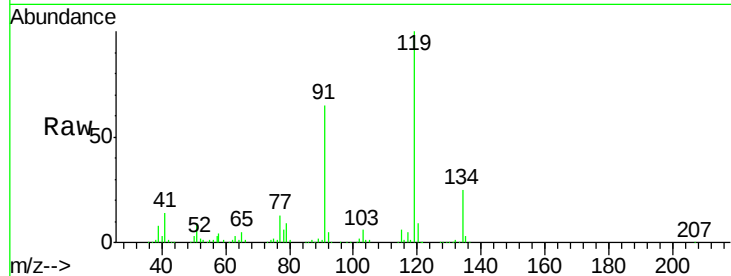
#83
tert-Butylbenzene
Concen: 20.382 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299375		
91	64.7		31.9	95.5
134	27.6		13.8	41.3

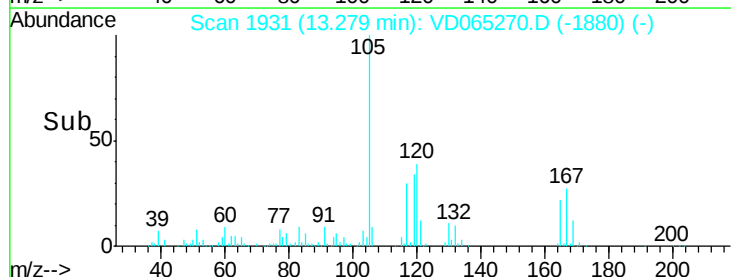
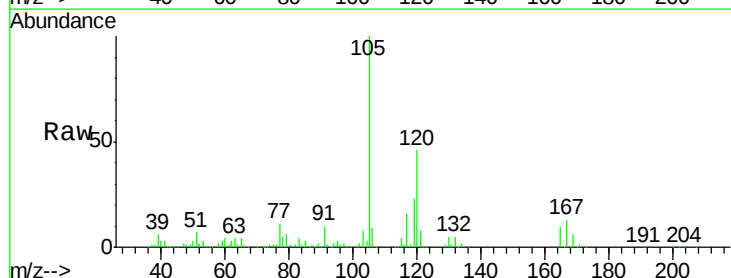
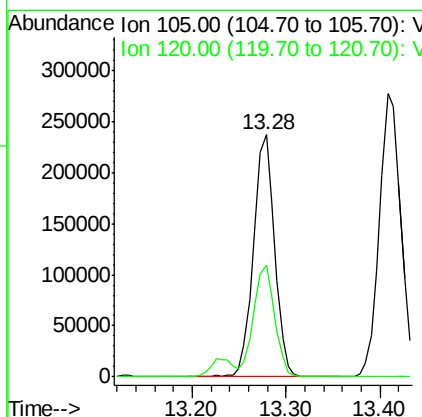
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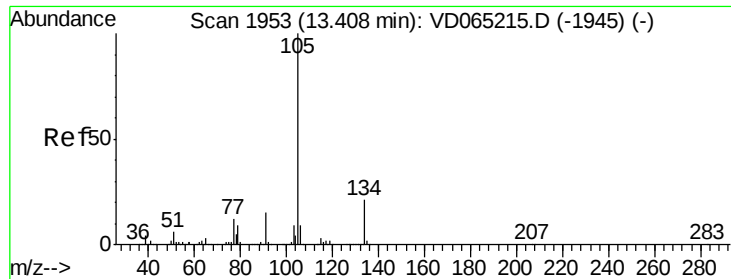
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#84
1,2,4-Trimethylbenzene
Concen: 21.084 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369836		
120	45.9		23.3	69.9





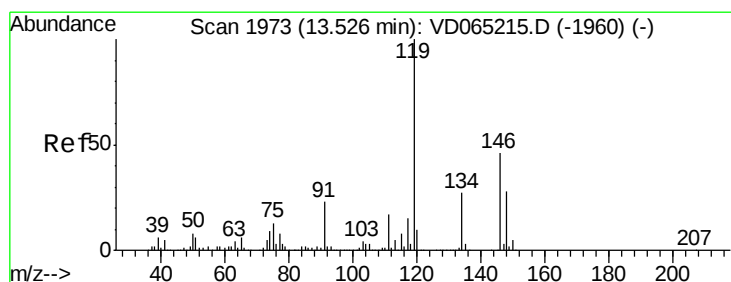
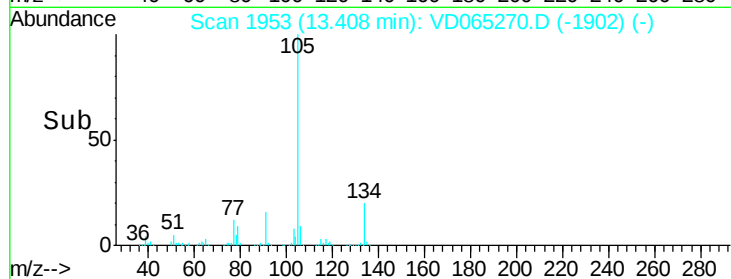
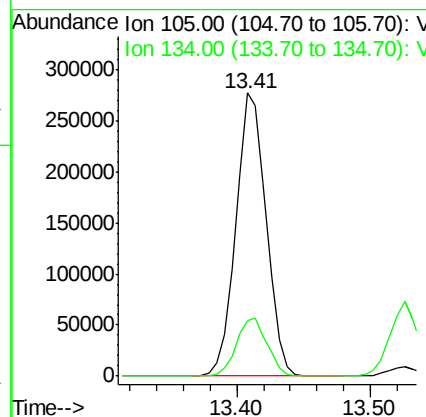
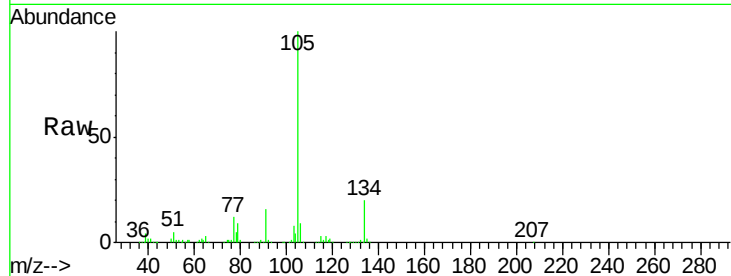
#85
 sec-Butylbenzene
 Concen: 20.602 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

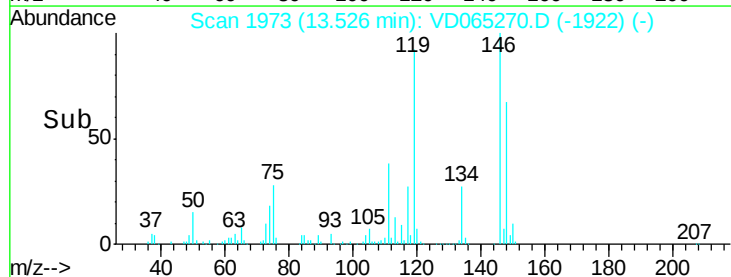
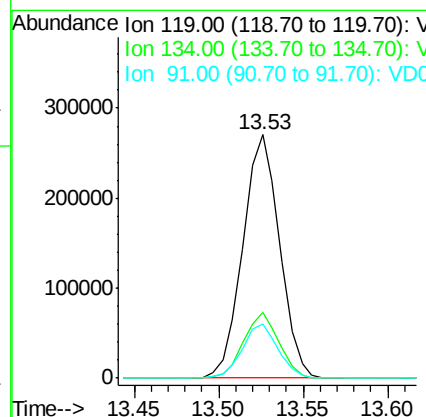
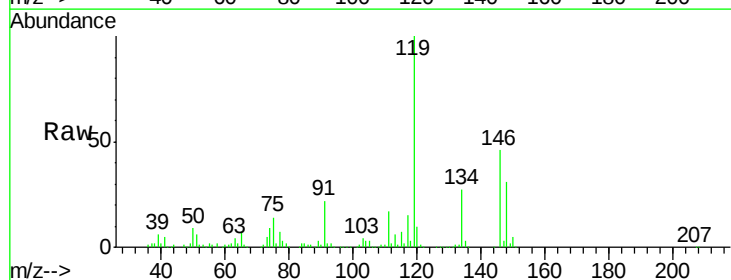
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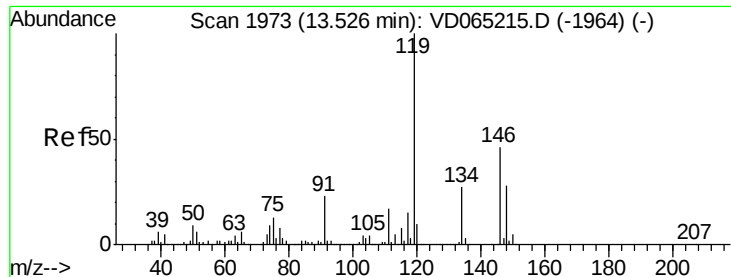
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#86
 p-Isopropyltoluene
 Concen: 21.191 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.8
91	21.4	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 20.222 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Instrument :

MSVOA_D

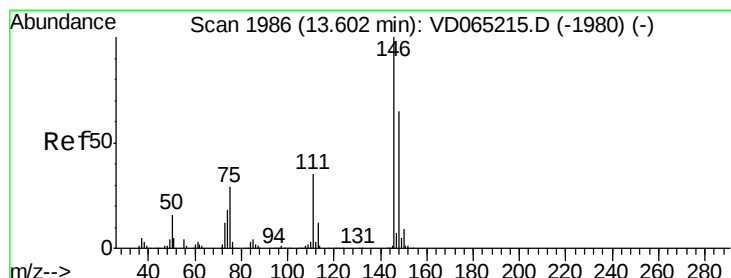
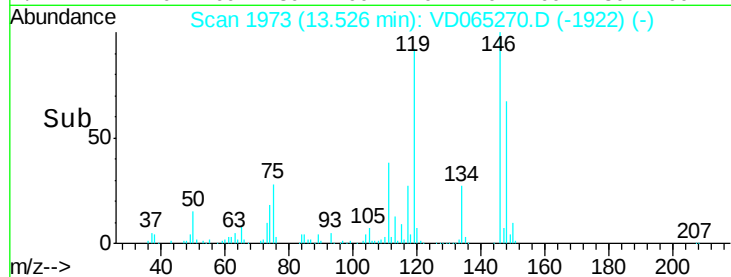
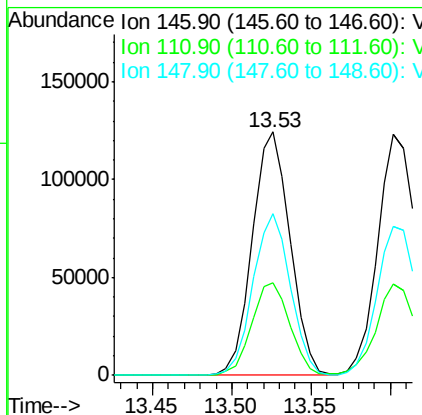
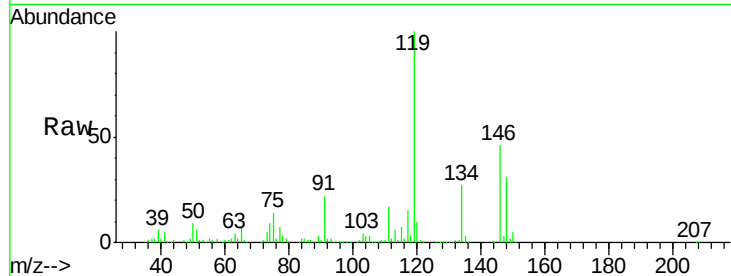
ClientSampleId :

VD0221SBS01

Tot Ion:	146	Resp:	206560
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	65.7	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 20.440 ug/l

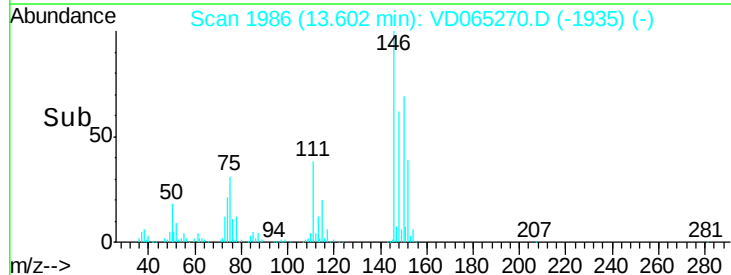
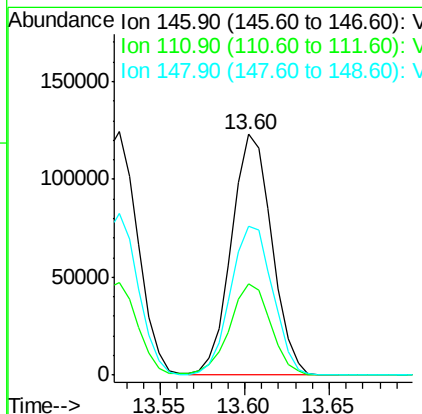
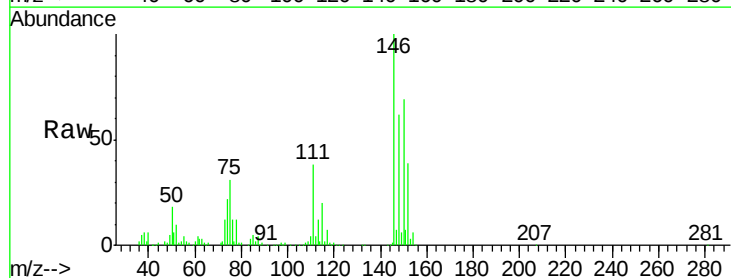
RT: 13.60 min Scan# 1986

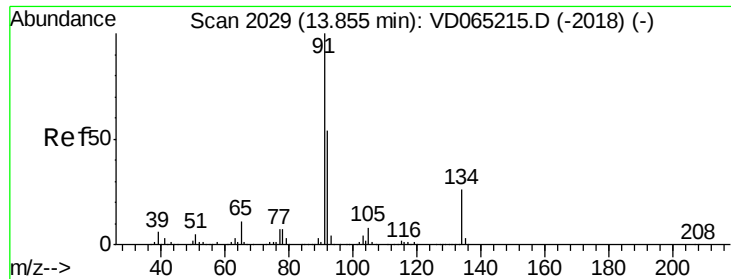
Delta R.T. 0.00 min

Lab File: VD065270.D

Acq: 21 Feb 2020 12:45

Tgt Ion:	146	Resp:	206065
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.4	55.2
148	64.5	32.1	96.5





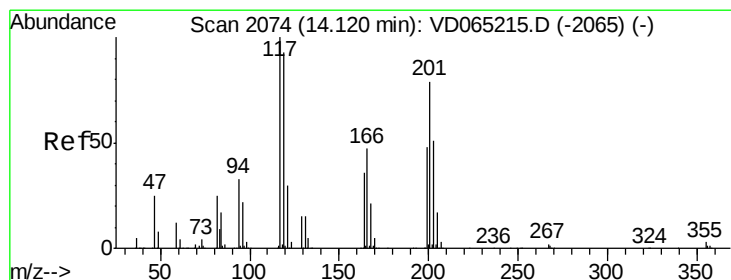
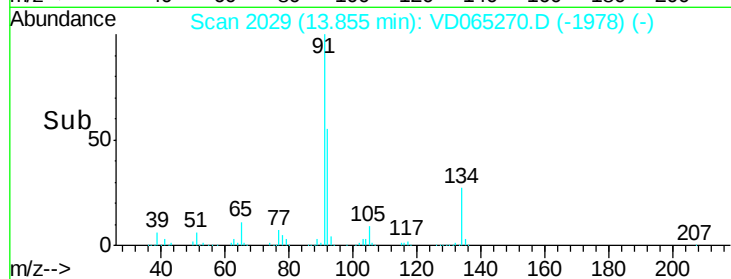
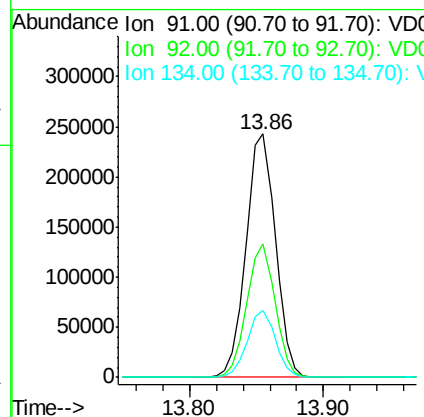
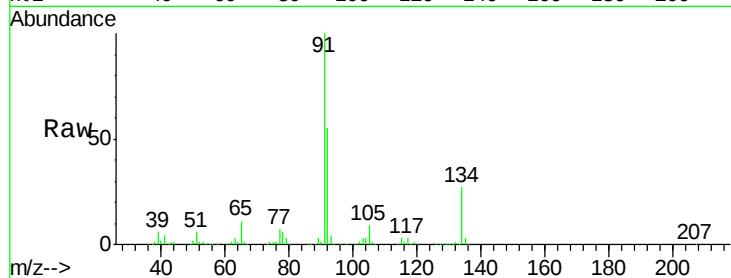
#89
n-Butylbenzene
Concen: 20.674 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	27.0	80.8	
134	26.3	13.5	40.4	

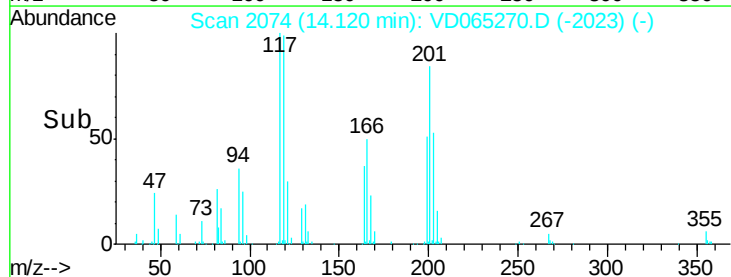
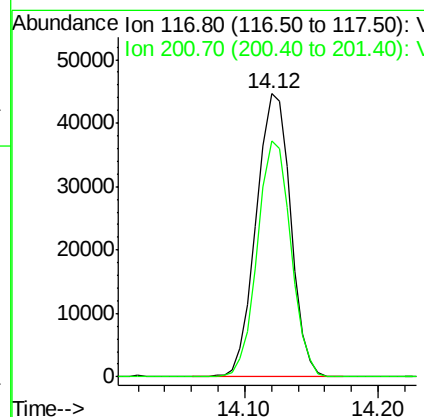
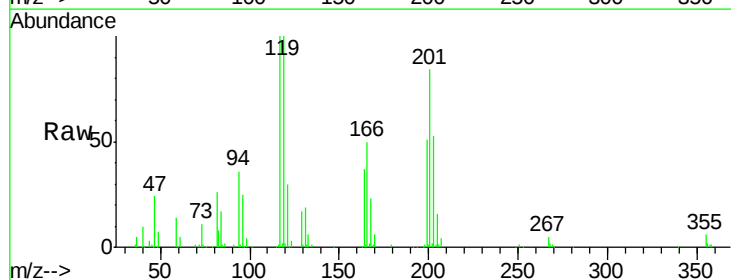
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#90
Hexachloroethane
Concen: 20.272 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.8	41.3	124.1	





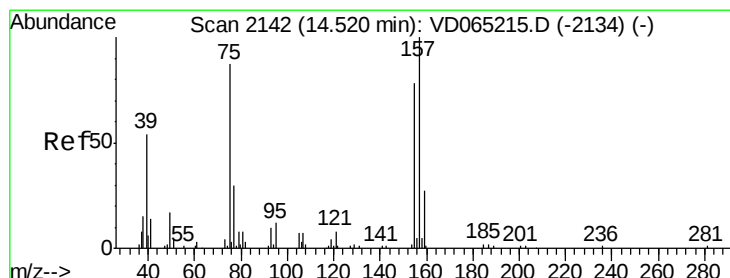
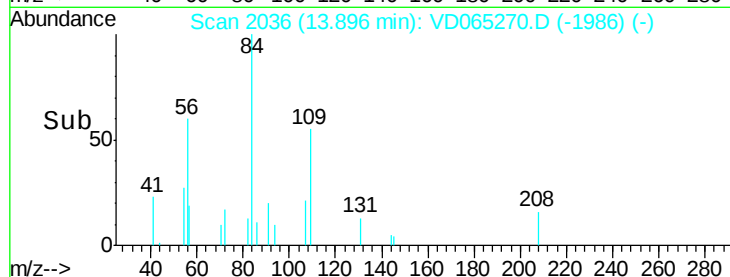
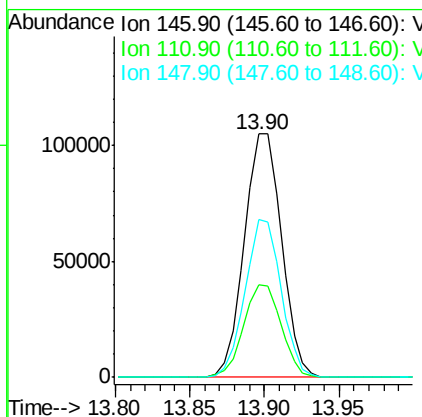
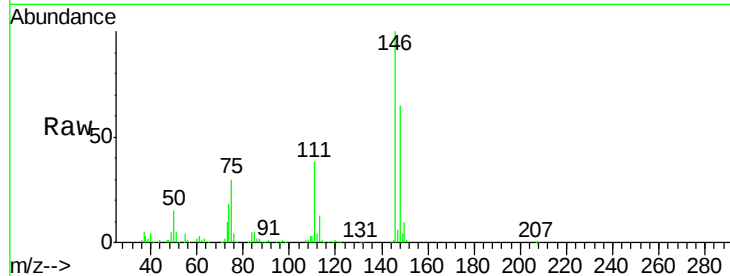
#91
 1,2-Dichlorobenzene
 Concen: 20.708 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	62.6	32.0	96.2

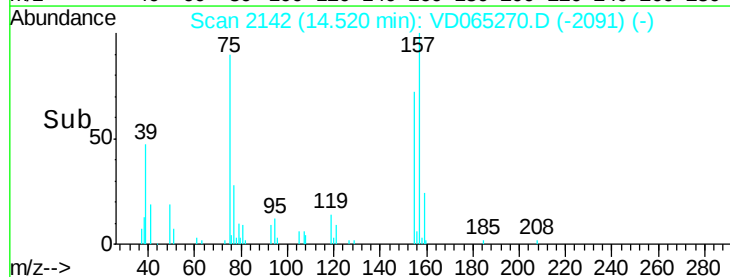
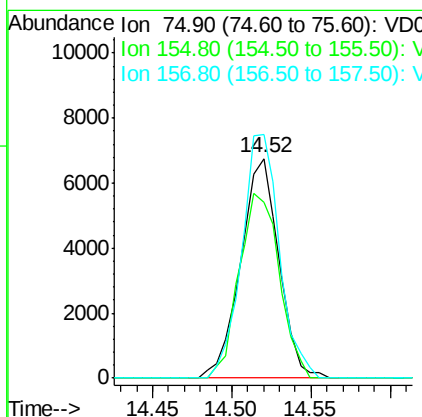
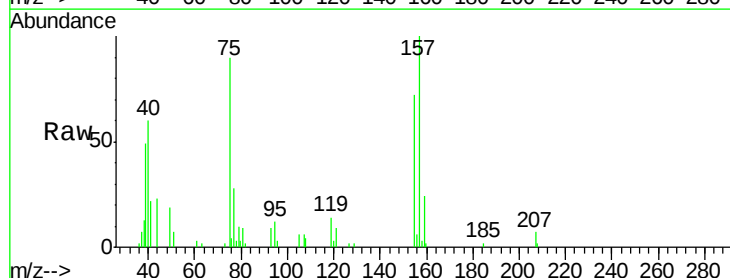
Manual Integrations
 APPROVED

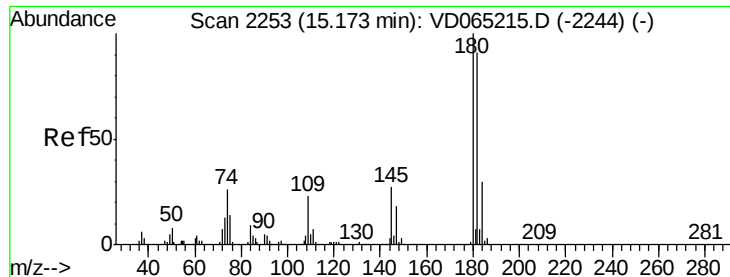
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.103 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	42.3	126.9
157	109.3	56.7	170.1





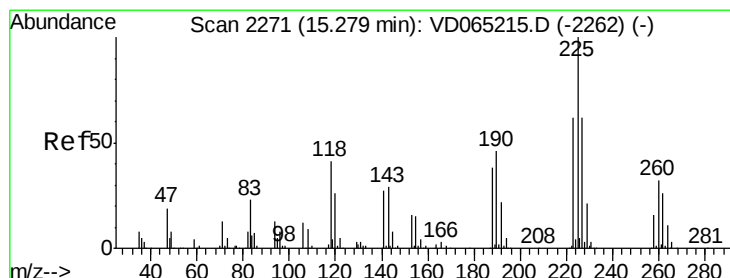
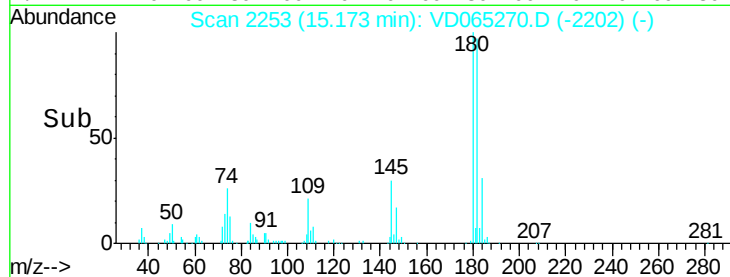
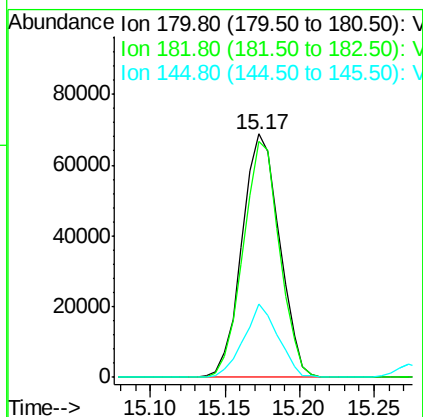
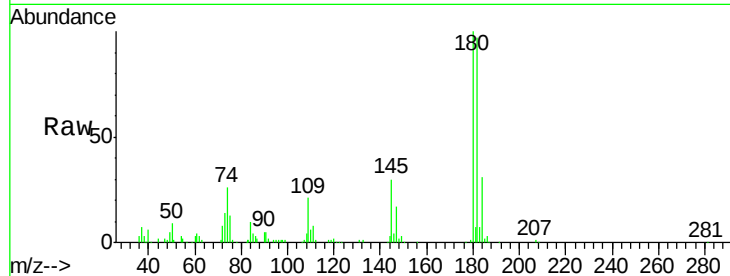
#93
 1,2,4-Trichlorobenzene
 Concen: 20.859 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119668		
182	93.7	46.9	140.6	
145	27.6	13.9	41.7	

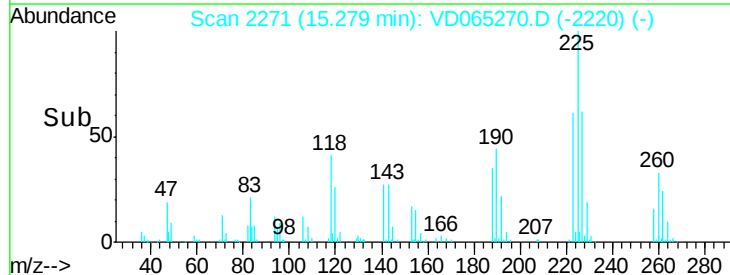
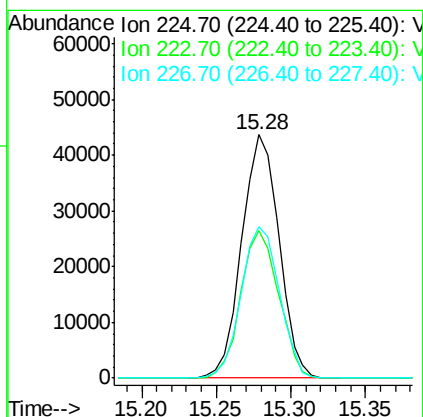
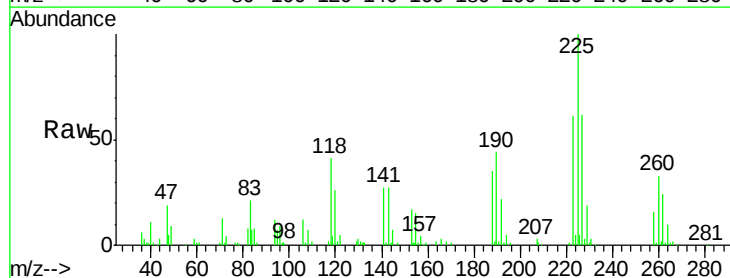
Manual Integrations
 APPROVED

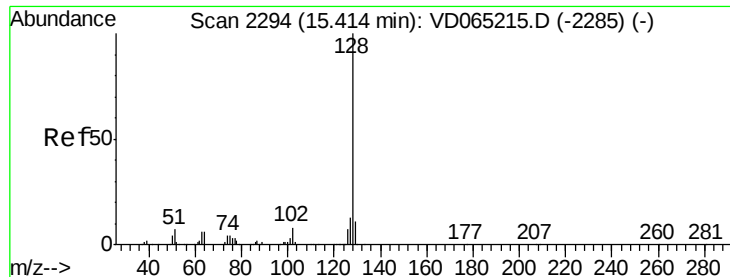
MMDadoda
 2/24/2020 11:08:48 AM



#94
 Hexachlorobutadiene
 Concen: 20.498 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065270.D
 Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75437		
223	61.6	31.4	94.2	
227	63.8	31.7	95.1	





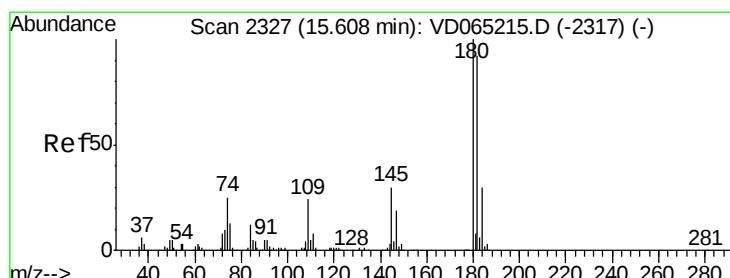
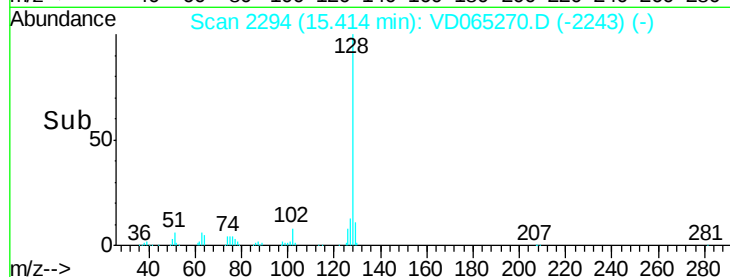
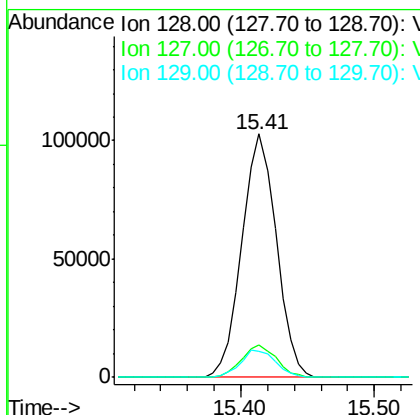
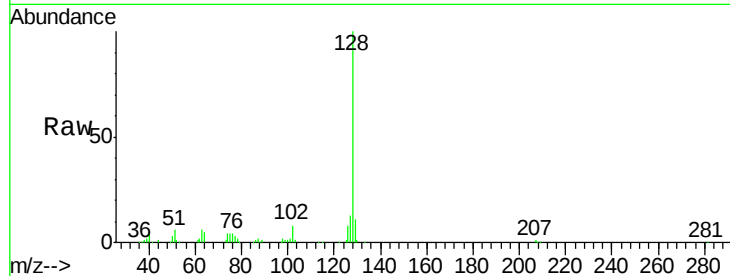
#95
Naphthalene
Concen: 19.698 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.972 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065270.D
Acq: 21 Feb 2020 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	29.8	15.4	46.1

