

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065384.D
 Acq On : 03 Mar 2020 10:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:19 PM

Quant Time: Mar 04 04:58:00 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	467048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197704	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	7.92	113	210541	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.34	98	813802	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.64	95	259655	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186722	47.666	ug/l	100
3) Chloromethane	2.21	50	216644	43.450	ug/l	98
4) Vinyl Chloride	2.35	62	225653	44.506	ug/l	98
5) Bromomethane	2.77	94	133390	43.513	ug/l	100
6) Chloroethane	2.93	64	138885	44.877	ug/l	99
7) Trichlorofluoromethane	3.27	101	349132	48.098	ug/l	99
8) Diethyl Ether	3.71	74	104002	47.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226425	49.395	ug/l	99
10) Methyl Iodide	4.30	142	239858	50.396	ug/l	99
11) Tert butyl alcohol	5.24	59	55238	220.009	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	206734	47.742	ug/l	97
13) Acrolein	3.93	56	71722	230.984	ug/l	97
14) Allyl chloride	4.71	41	324310	46.120	ug/l	97
15) Acrylonitrile	5.43	53	231887	239.040	ug/l	99
16) Acetone	4.16	43	260745	253.871	ug/l	96
17) Carbon Disulfide	4.40	76	640167	44.096	ug/l	99
18) Methyl Acetate	4.72	43	106949	46.299	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	437803	48.483	ug/l	99
20) Methylene Chloride	4.96	84	226114	49.397	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	239289	48.609	ug/l	95
22) Diisopropyl ether	6.37	45	654459	48.278	ug/l	98
23) Vinyl Acetate	6.31	43	1834542	245.479	ug/l	99
24) 1,1-Dichloroethane	6.27	63	399369	47.497	ug/l	98
25) 2-Butanone	7.22	43	315632	242.891	ug/l	98
26) 2,2-Dichloropropane	7.21	77	351329	48.158	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249698	47.887	ug/l	98
28) Bromochloromethane	7.55	49	137414	44.051	ug/l	98
29) Tetrahydrofuran	7.57	42	184008	241.672	ug/l	98
30) Chloroform	7.71	83	404534	47.755	ug/l	100
31) Cyclohexane	7.98	56	375986	45.511	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	364506	48.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	328170	50.763	ug/l	99
37) Ethyl Acetate	7.30	43	131876	48.796	ug/l	97
38) Carbon Tetrachloride	8.10	117	338215	51.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	396216	52.132	ug/l	98
40) Benzene	8.36	78	926942	50.798	ug/l	100
41) Methacrylonitrile	7.53	41	74907	48.003	ug/l	99
42) 1,2-Dichloroethane	8.43	62	243485	48.537	ug/l	99
43) Isopropyl Acetate	8.46	43	236597	48.142	ug/l	98
44) Trichloroethene	9.11	130	256755	50.761	ug/l	95
45) 1,2-Dichloropropane	9.39	63	227945	50.237	ug/l	99
46) Dibromomethane	9.48	93	117636	50.389	ug/l	97
47) Bromodichloromethane	9.67	83	308777	50.188	ug/l	99
48) Methyl methacrylate	9.46	41	112174	49.380	ug/l	94
49) 1,4-Dioxane	9.47	88	27743	1013.219	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	640659	256.657	ug/l	99
52) Toluene	10.41	92	596129	52.779	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	292141	51.228	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	356289	51.739	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	168173	51.180	ug/l	99
56) Ethyl methacrylate	10.67	69	200366	52.830	ug/l	96
57) 1,3-Dichloropropane	10.95	76	290538	51.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	289987	242.520	ug/l	98
59) 2-Hexanone	10.99	43	488306	273.277	ug/l	96
60) Dibromochloromethane	11.14	129	214480	50.997	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160761	51.672	ug/l	100
64) Tetrachloroethene	10.88	164	222567	52.560	ug/l	96
65) Chlorobenzene	11.68	112	621366	51.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	232053	51.900	ug/l	100
67) Ethyl Benzene	11.75	91	1111961	52.991	ug/l	100
68) m/p-Xylenes	11.86	106	854936	106.490	ug/l	100
69) o-Xylene	12.18	106	379050	53.292	ug/l	99
70) Styrene	12.20	104	681684	53.981	ug/l	100
71) Bromoform	12.37	173	133629	53.860	ug/l #	98
73) Isopropylbenzene	12.48	105	1062197	52.769	ug/l	99
74) N-amyl acetate	12.30	43	219457	49.065	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	179948	49.533	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	122011m	47.165	ug/l	
77) Bromobenzene	12.77	156	256948	51.406	ug/l	97
78) n-propylbenzene	12.83	91	1261168	52.137	ug/l	99
79) 2-Chlorotoluene	12.91	91	684319	50.499	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	865340	52.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58538	48.859	ug/l	95
82) 4-Chlorotoluene	13.01	91	728470	50.636	ug/l	100
83) tert-Butylbenzene	13.23	119	729839	52.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	864499	52.096	ug/l	99
85) sec-Butylbenzene	13.41	105	1047551	52.319	ug/l	99
86) p-Isopropyltoluene	13.53	119	967898	52.861	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	489102	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	474271	49.730	ug/l	99
89) n-Butylbenzene	13.86	91	887405	52.594	ug/l	100
90) Hexachloroethane	14.12	117	188880	50.803	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	416590	50.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27689	49.459	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	283905	52.311	ug/l	99
94) Hexachlorobutadiene	15.28	225	182717	52.483	ug/l	99
95) Naphthalene	15.41	128	472073	53.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	240327	50.702	ug/l	95

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

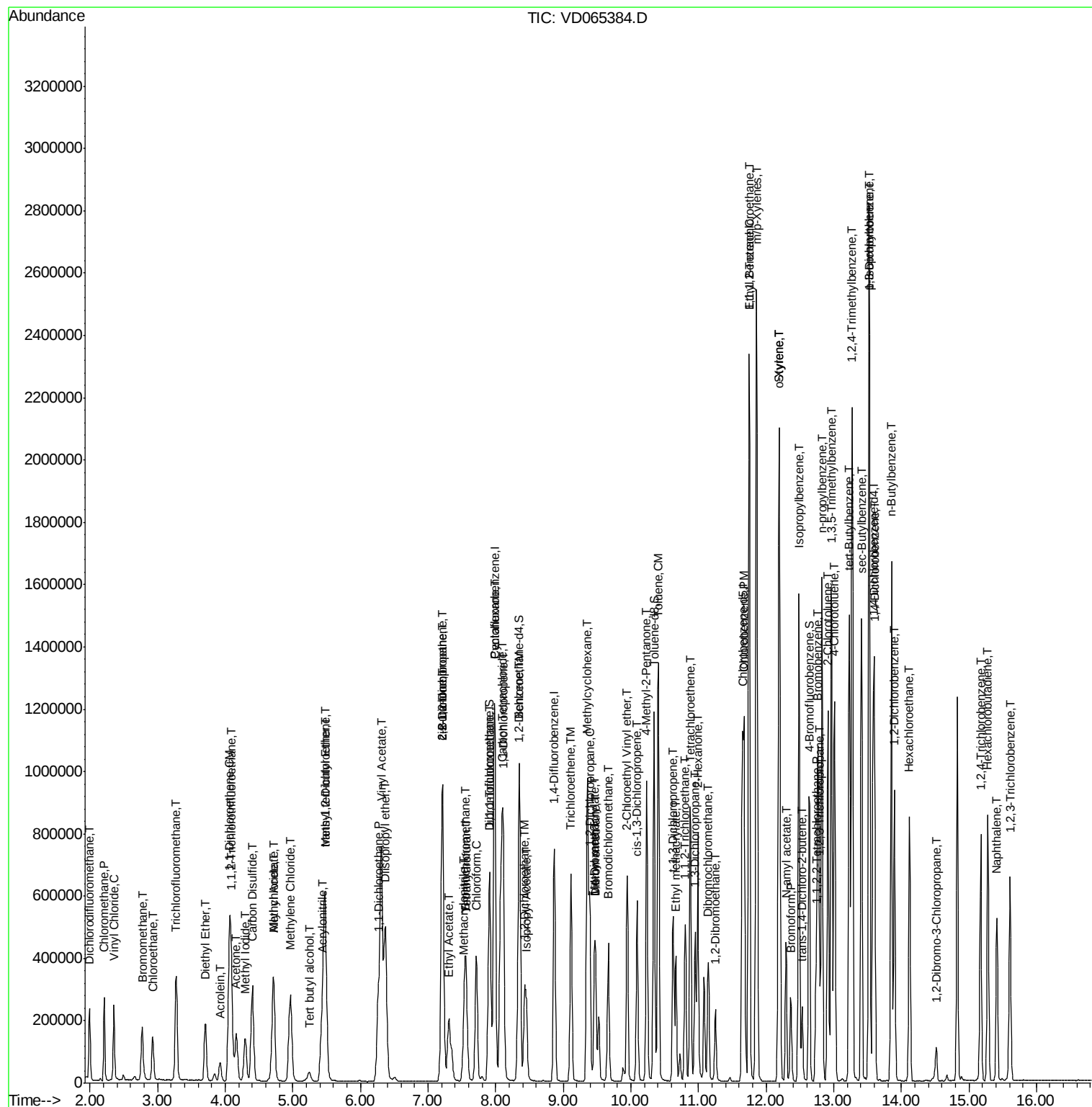
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
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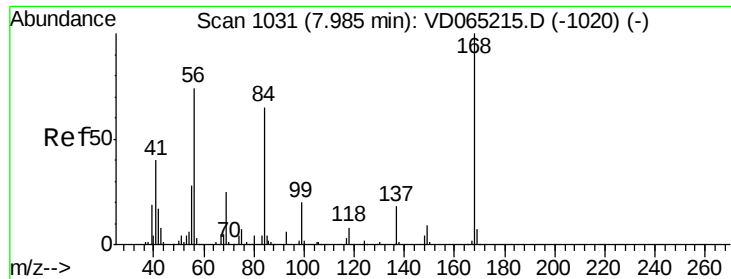
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 467048

Ion Ratio Lower Upper

168 100

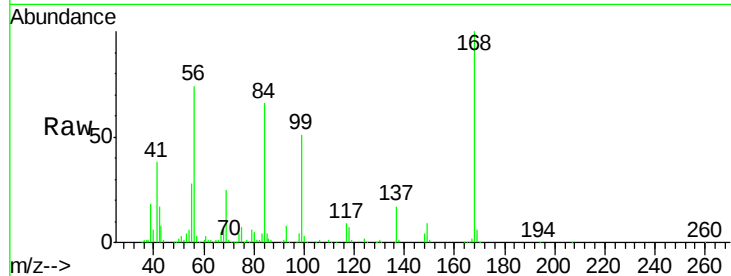
99 50.7 41.4 62.2

Manual Integrations

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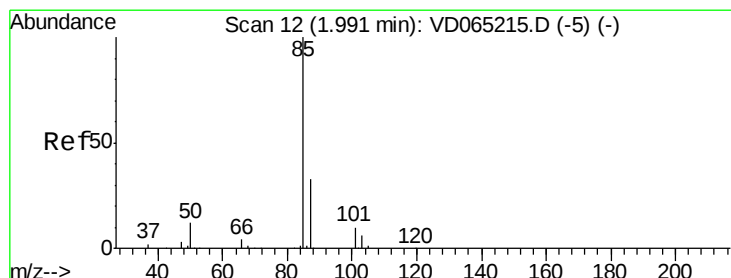
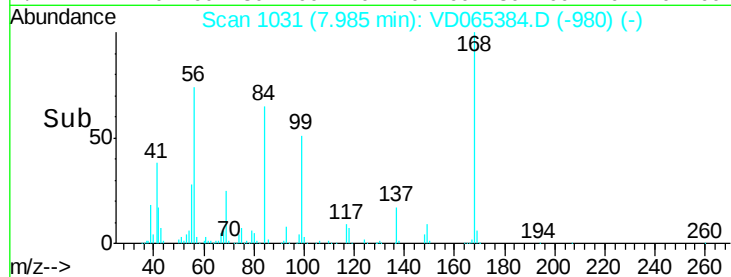
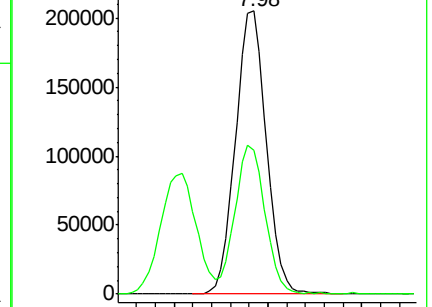
MMDadoda

3/4/2020 2:01:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.666 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065384.D

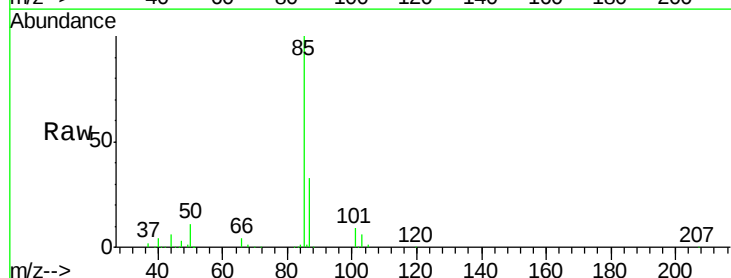
Acq: 03 Mar 2020 10:08

Tgt Ion: 85 Resp: 186722

Ion Ratio Lower Upper

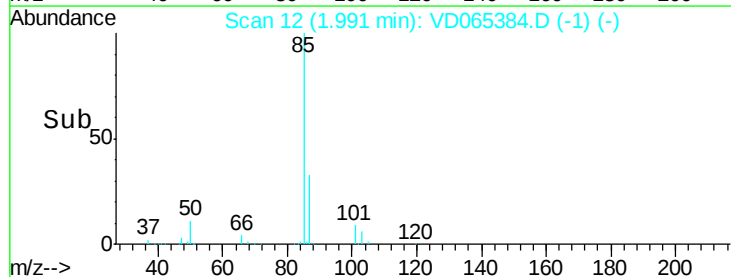
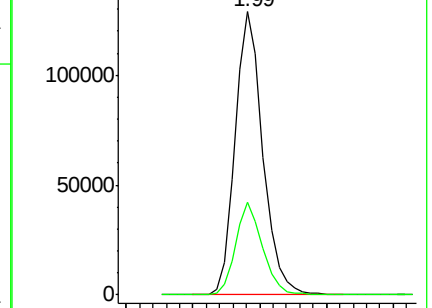
85 100

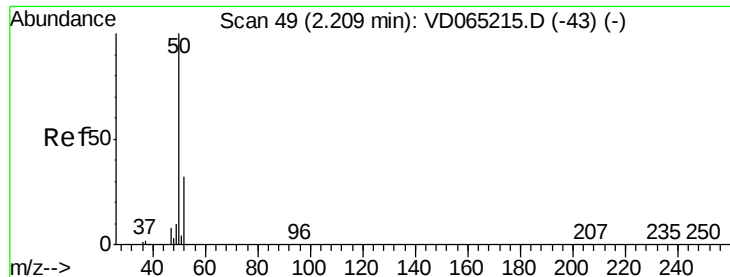
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.450 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 216644

Ion Ratio Lower Upper

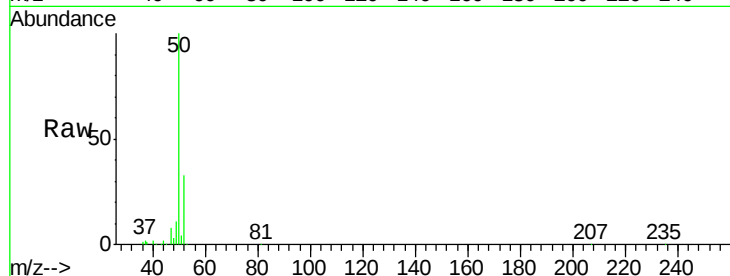
50 100

52 33.3 25.5 38.3

Manual Integrations
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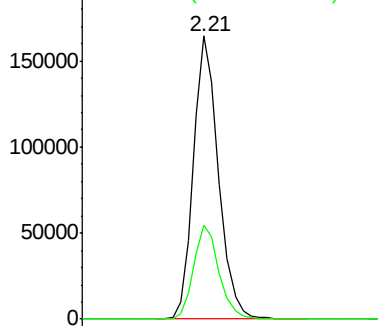
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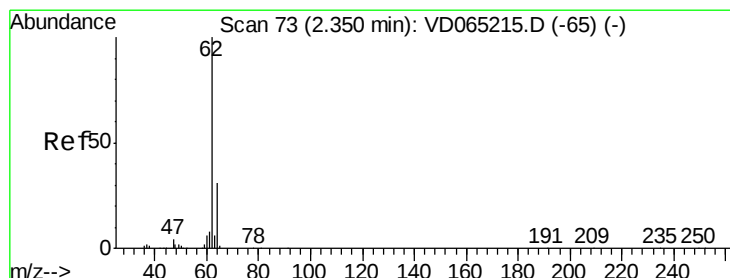
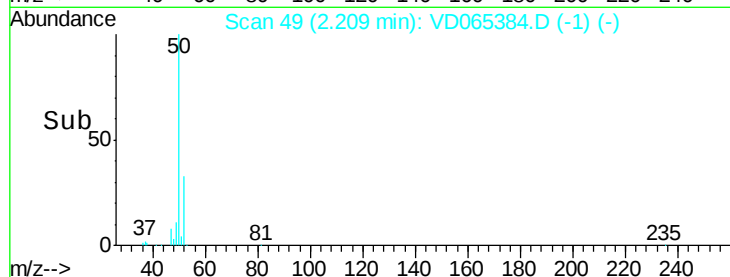


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 44.506 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065384.D

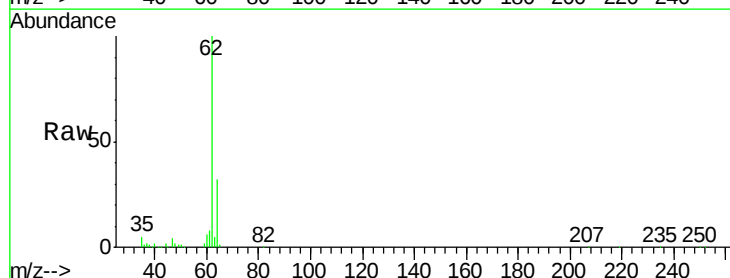
Acq: 03 Mar 2020 10:08

Tgt Ion: 62 Resp: 225653

Ion Ratio Lower Upper

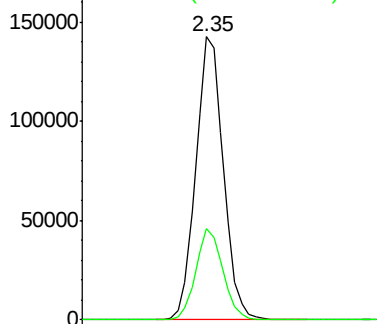
62 100

64 32.2 25.0 37.6

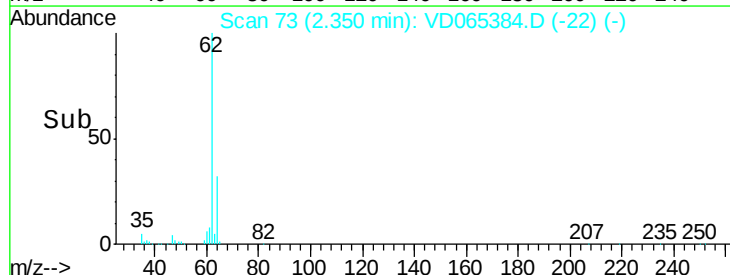


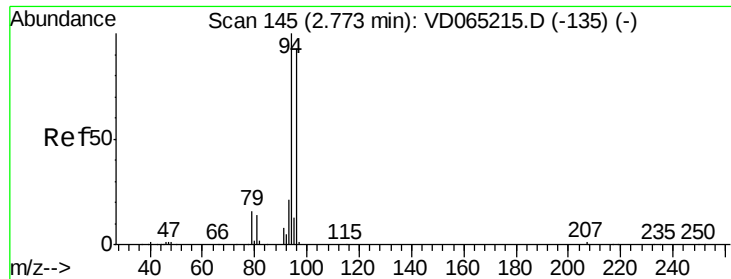
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 43.513 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 133390

Ion Ratio Lower Upper

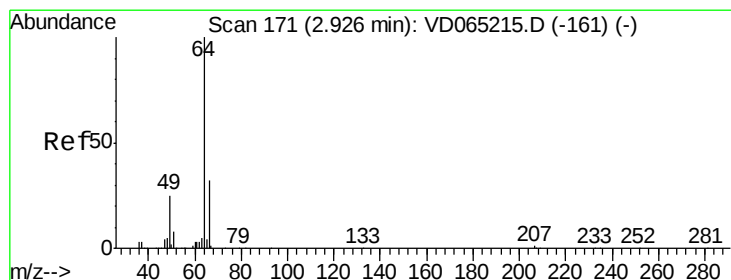
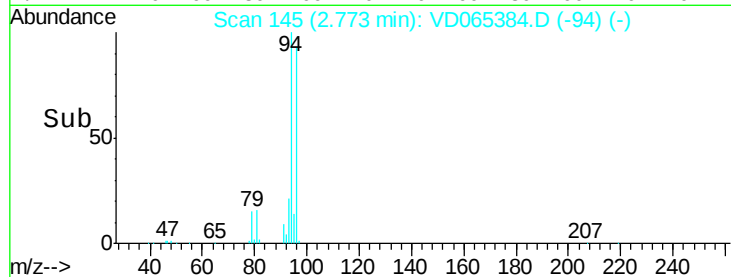
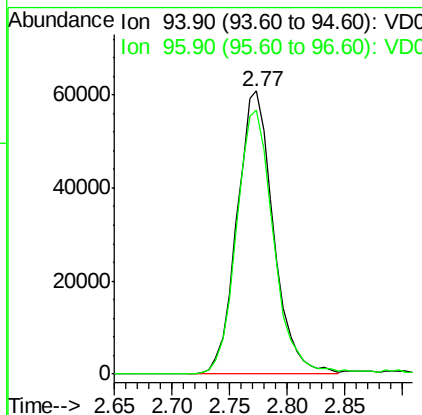
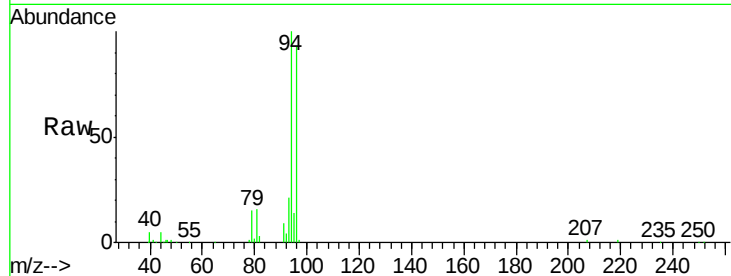
94 100

96 93.3 74.2 111.4

Manual Integrations
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#6

Chloroethane

Concen: 44.877 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065384.D

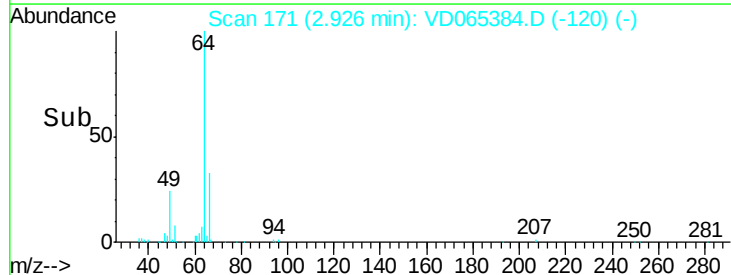
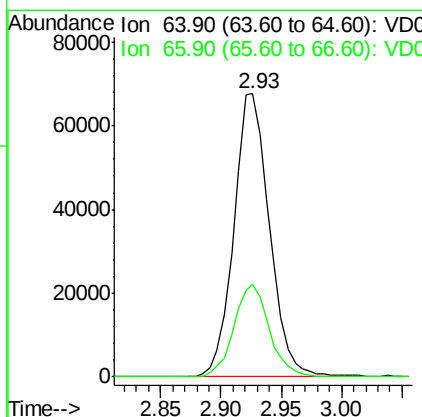
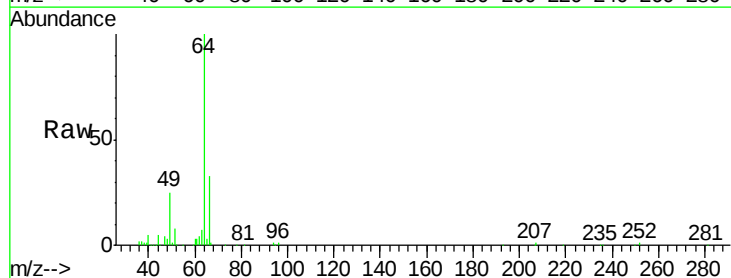
Acq: 03 Mar 2020 10:08

Tgt Ion: 64 Resp: 138885

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5





#7

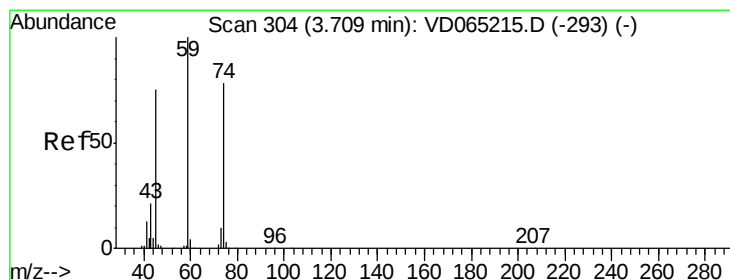
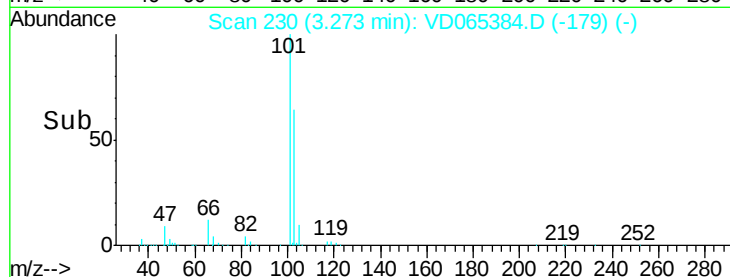
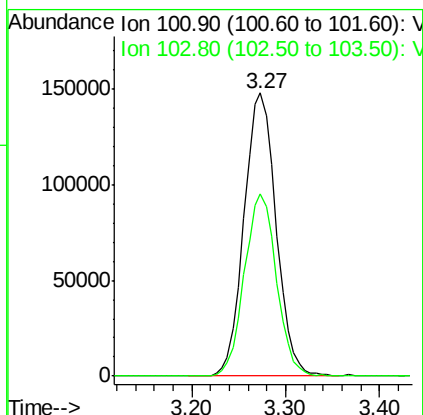
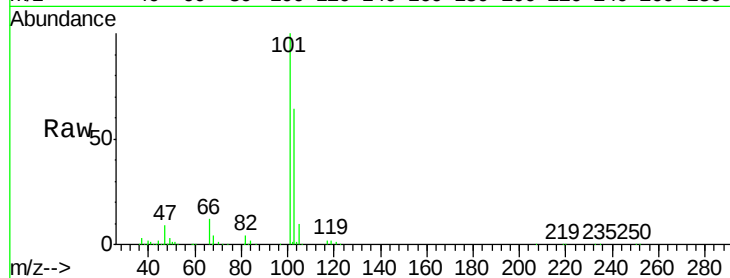
Trichlorofluoromethane
Concen: 48.098 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.7	76.1

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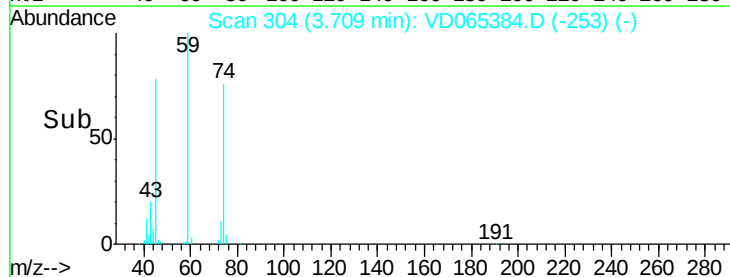
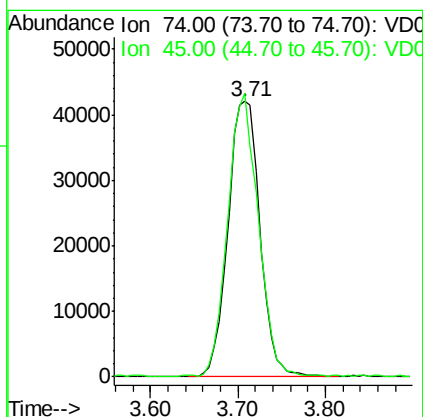
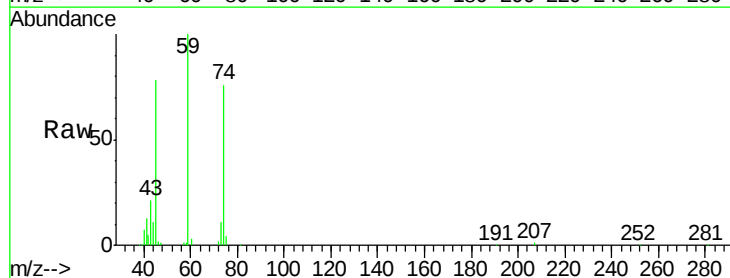
MMDadoda
3/4/2020 2:01:19 PM



#8

Diethyl Ether
Concen: 47.466 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.395 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

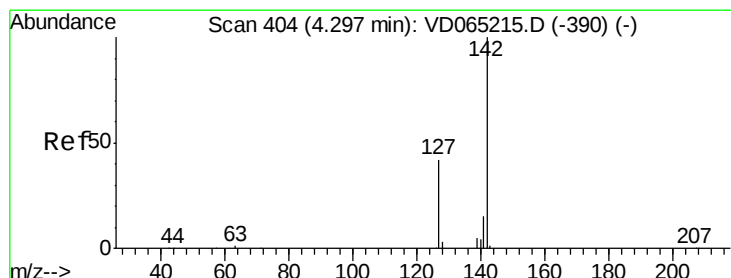
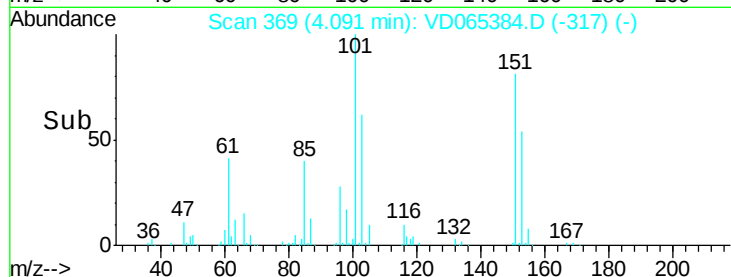
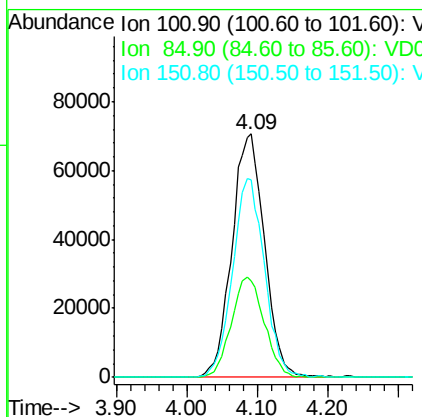
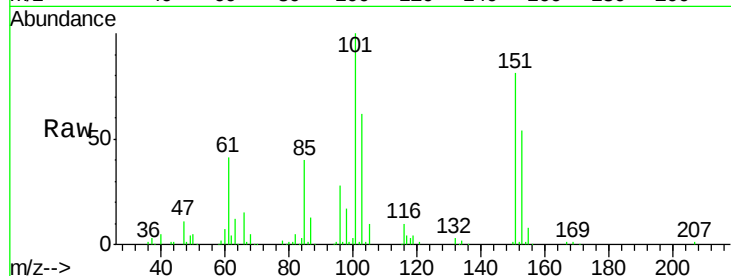
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	226425
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	79.8	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.396 ug/l

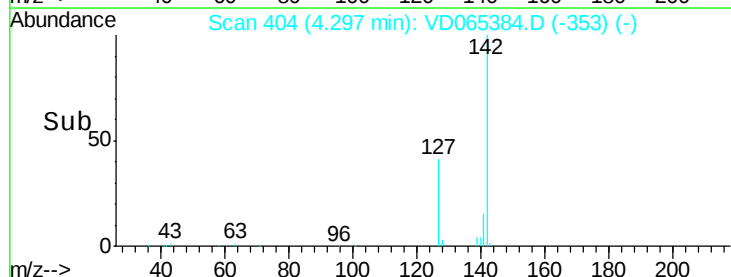
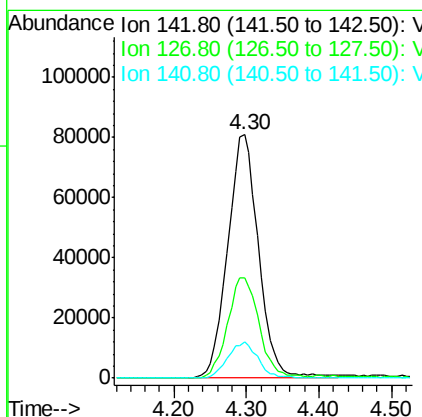
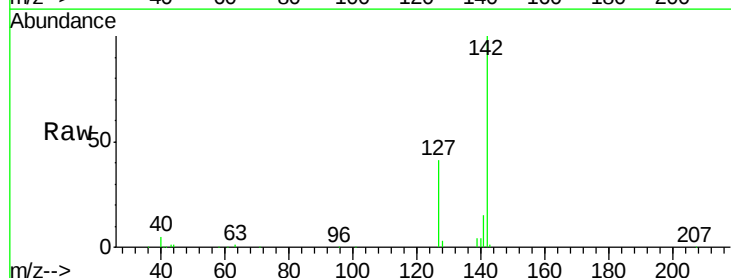
RT: 4.30 min Scan# 404

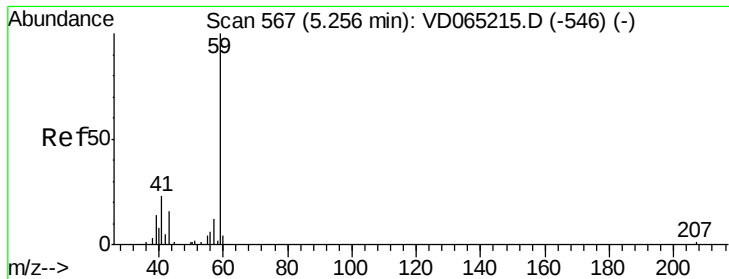
Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	142	Resp:	239858
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.8	50.8
141	14.5	11.7	17.5





#11

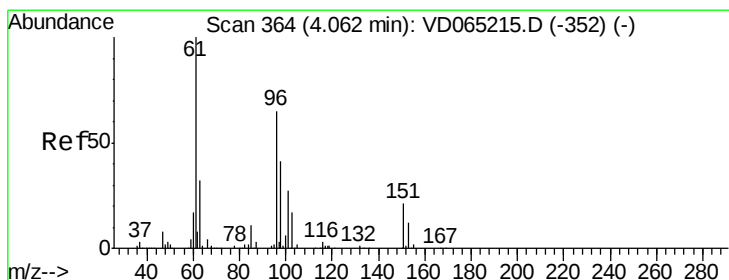
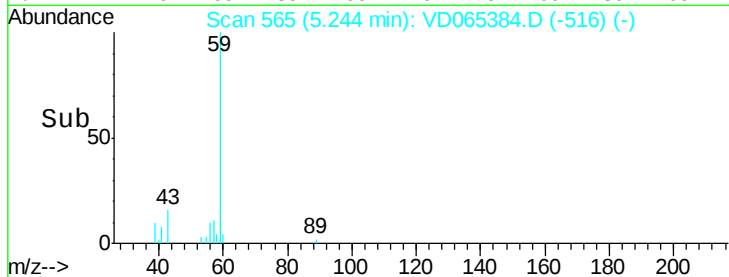
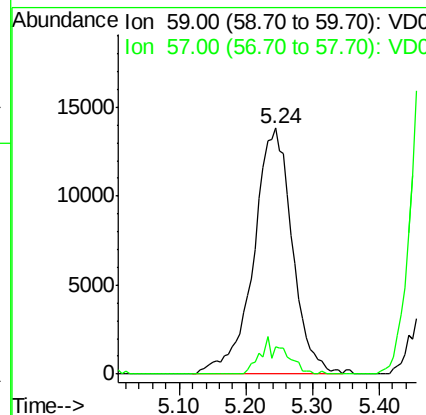
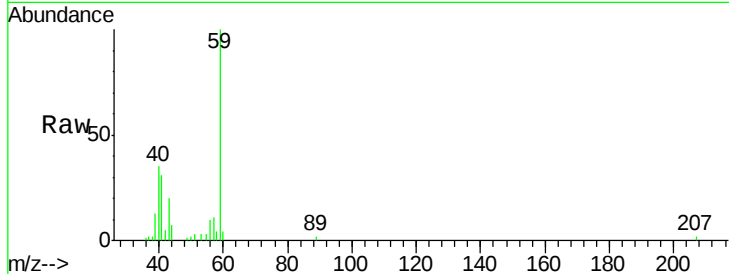
Tert butyl alcohol
Concen: 220.009 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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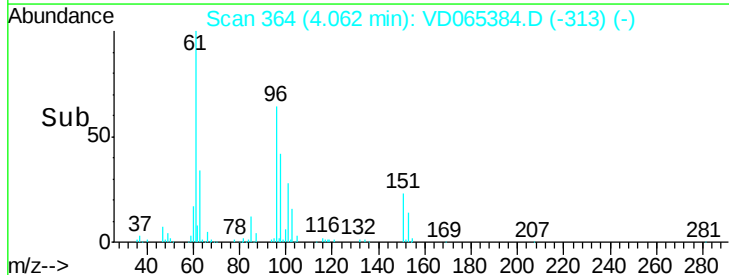
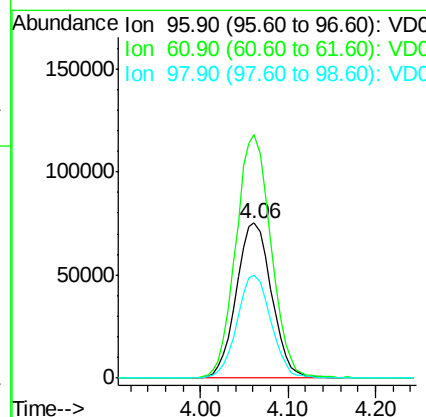
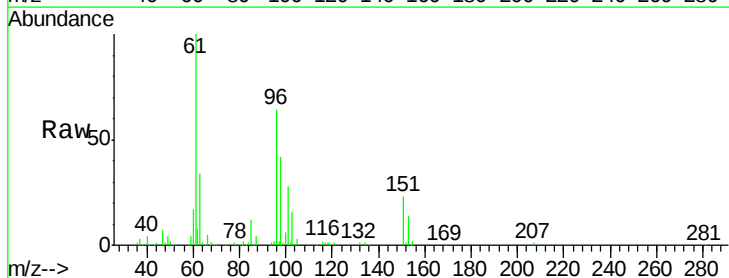
MMDadoda
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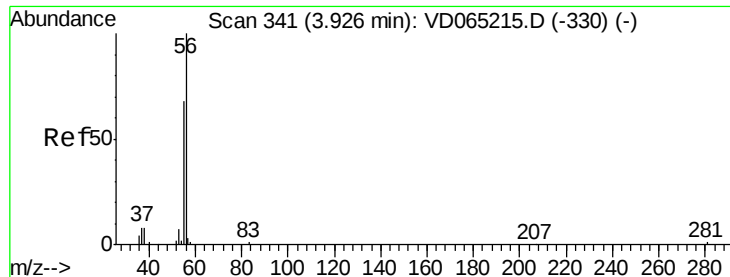


#12

1,1-Dichloroethene
Concen: 47.742 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.1	123.3	184.9	
98	66.1	51.0	76.4	





#13

Acrolein

Concen: 230.984 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71722

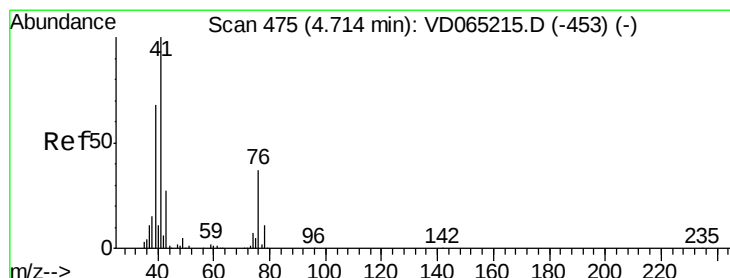
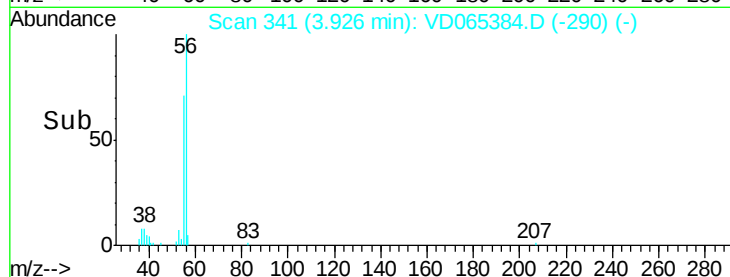
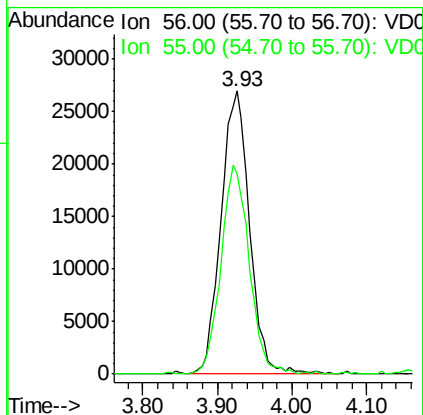
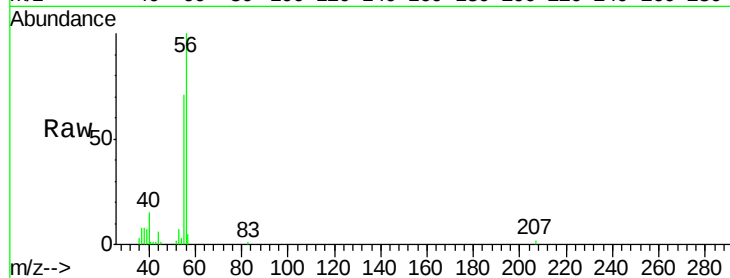
Ion Ratio Lower Upper

56 100

55 73.1 56.6 85.0

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 46.120 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

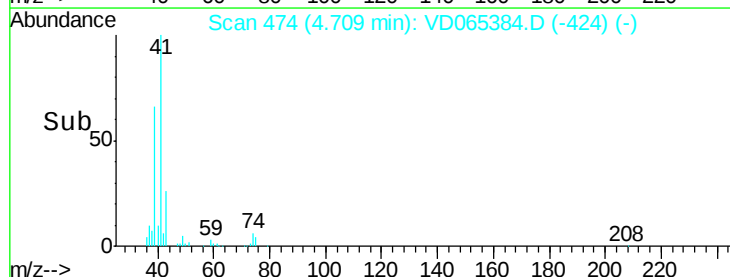
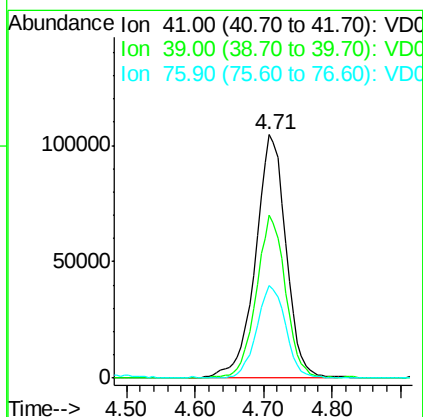
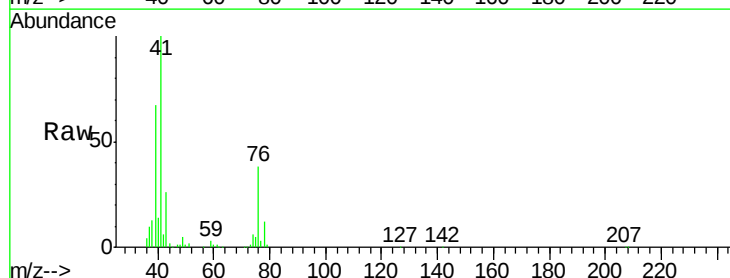
Tgt Ion: 41 Resp: 324310

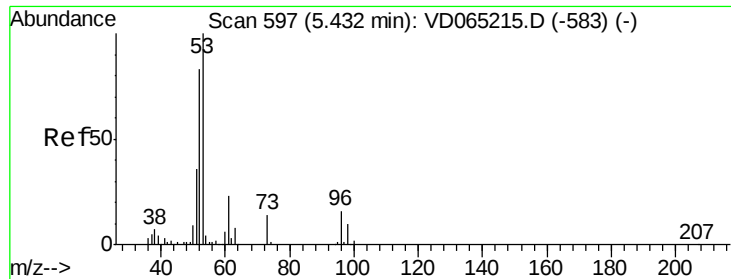
Ion Ratio Lower Upper

41 100

39 64.2 53.8 80.6

76 35.7 28.7 43.1





#15

Acrylonitrile

Concen: 239.040 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

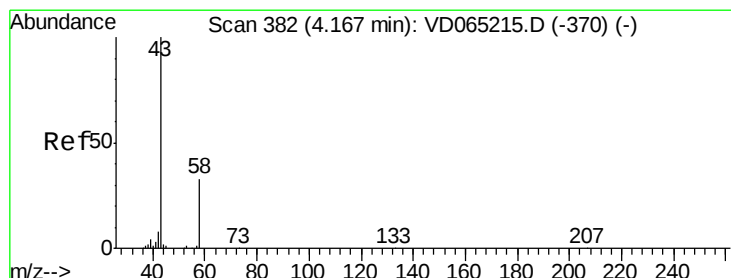
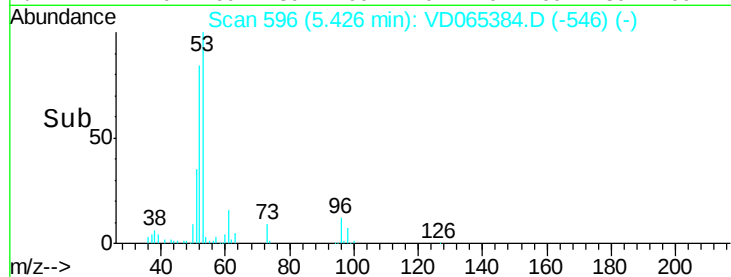
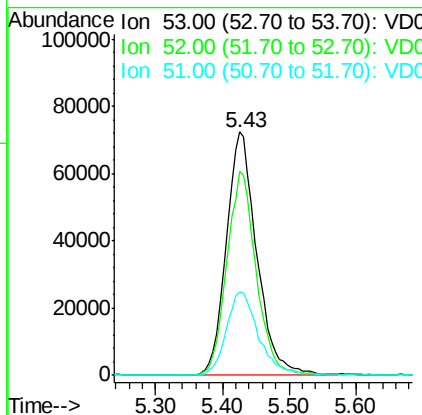
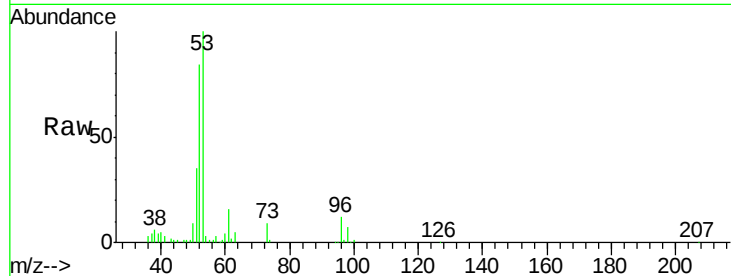
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	231887
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.4	98.2
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 253.871 ug/l

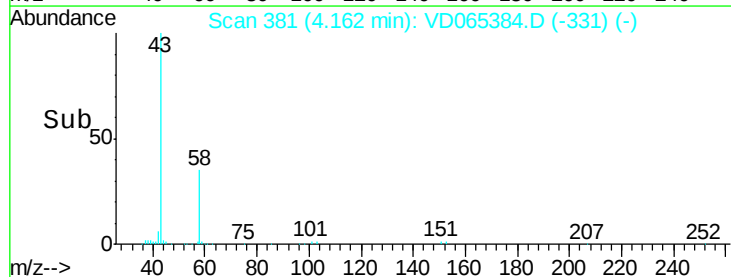
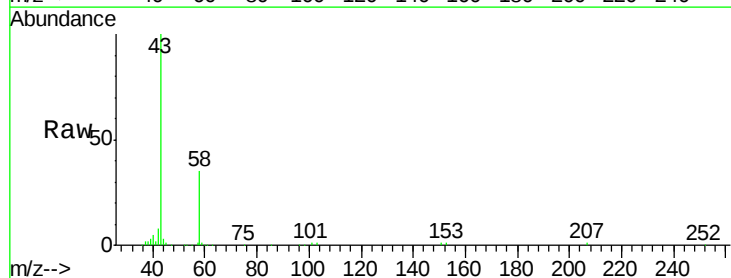
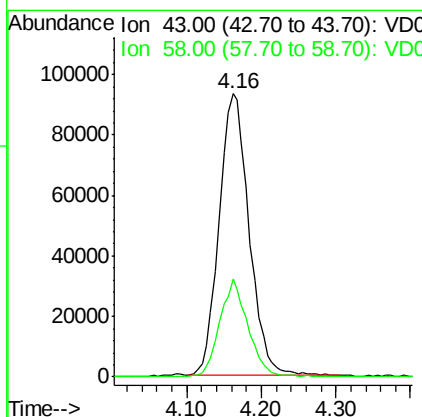
RT: 4.16 min Scan# 381

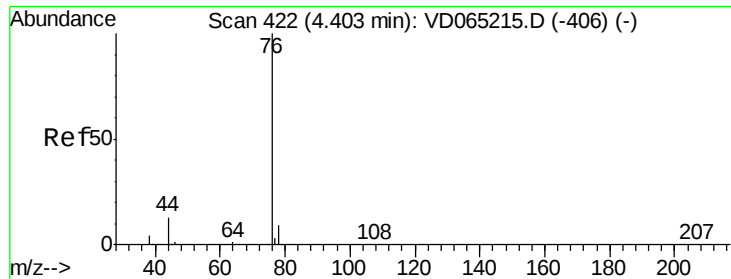
Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	43	Resp:	260745
Ion Ratio	Lower	Upper	
43	100		
58	34.7	26.2	39.2





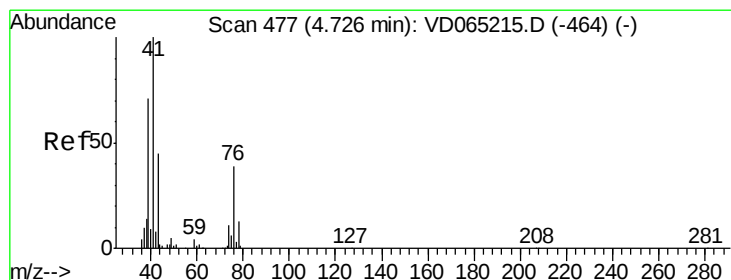
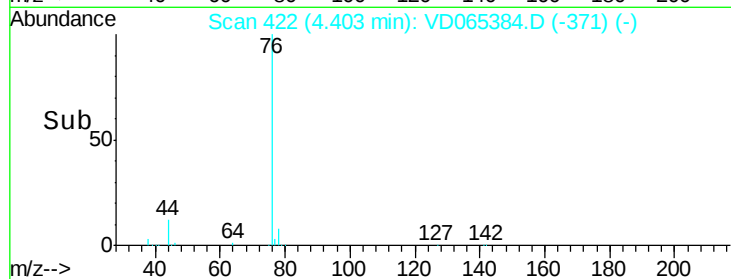
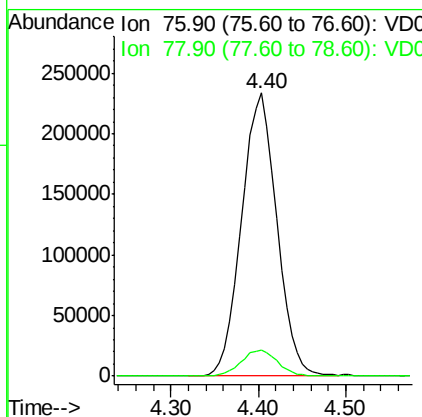
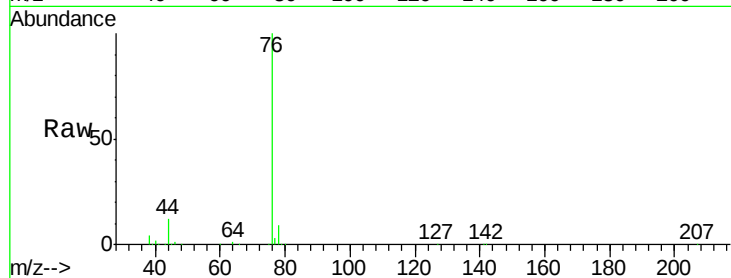
#17
Carbon Disulfide
Concen: 44.096 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

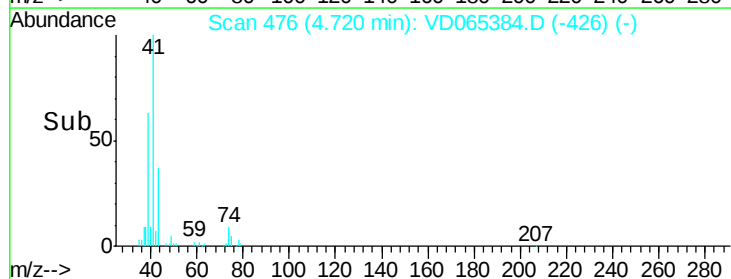
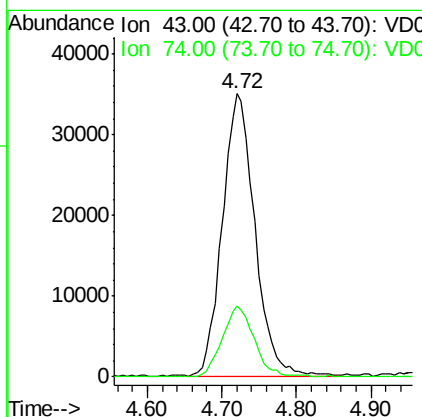
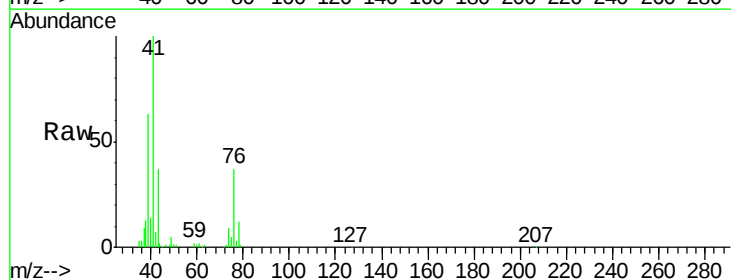
Manual Integrations
APPROVED

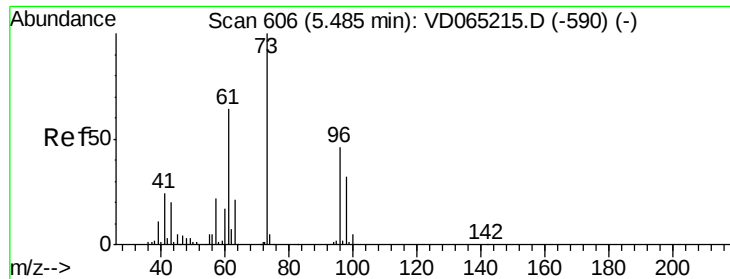
MMDadoda
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#18
Methyl Acetate
Concen: 46.299 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.2





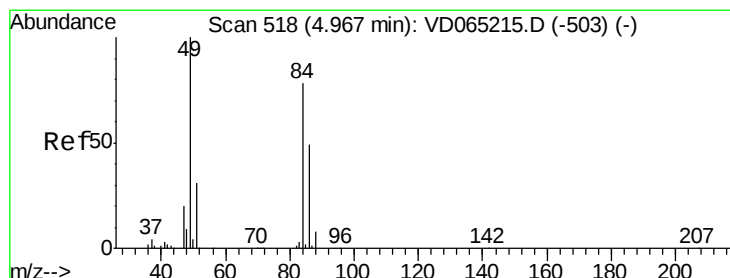
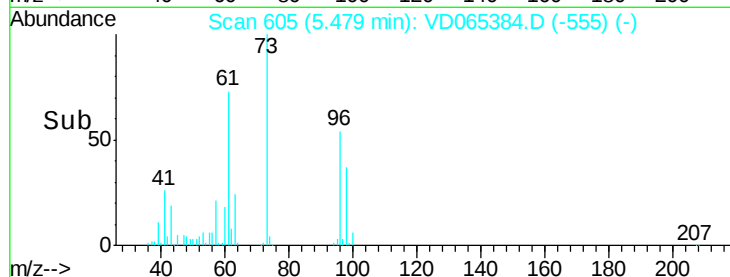
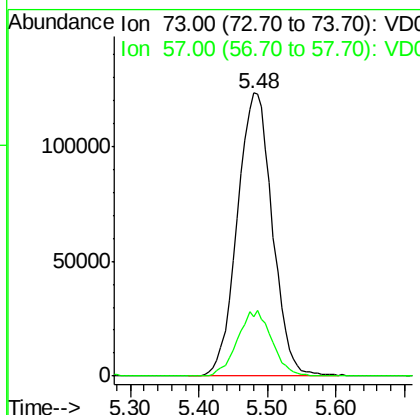
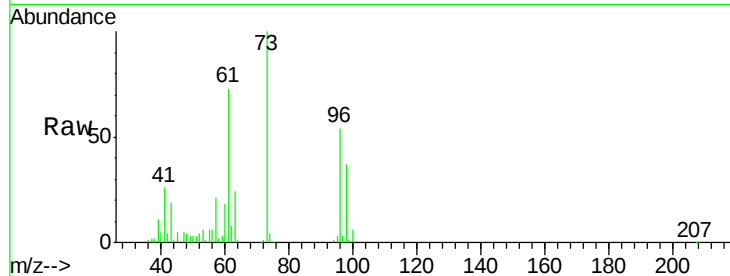
#19
Methyl tert-butyl Ether
Concen: 48.483 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 437803
Ion Ratio Lower Upper
73 100
57 21.2 17.3 25.9

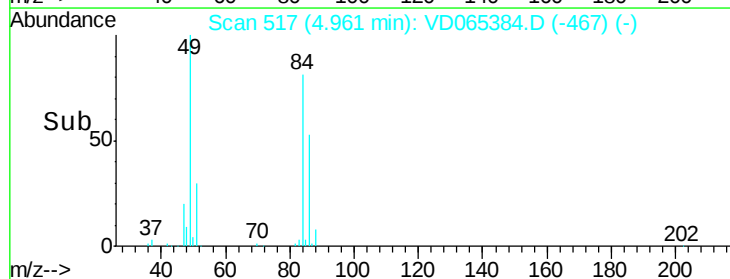
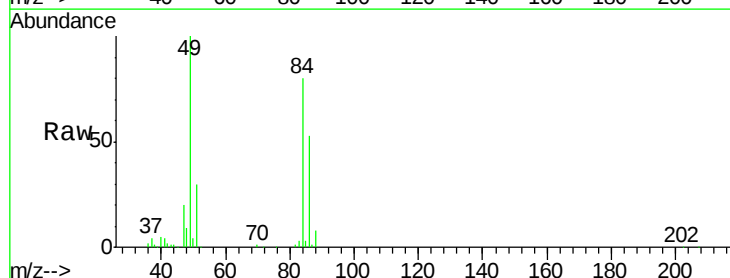
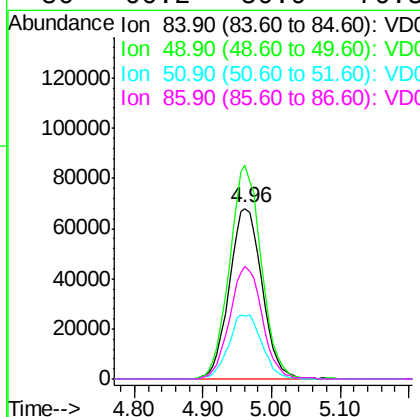
Manual Integrations
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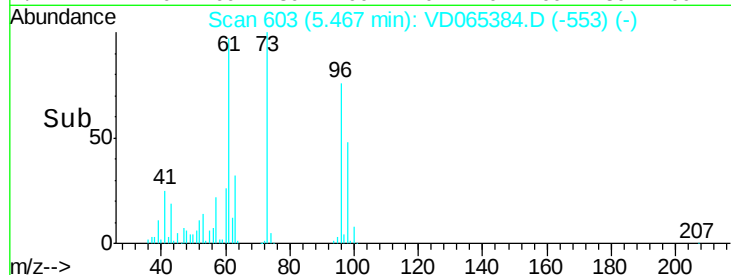
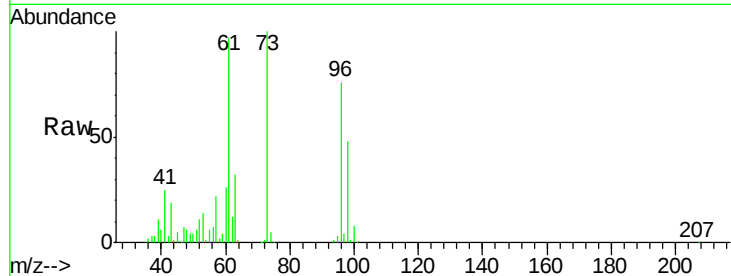
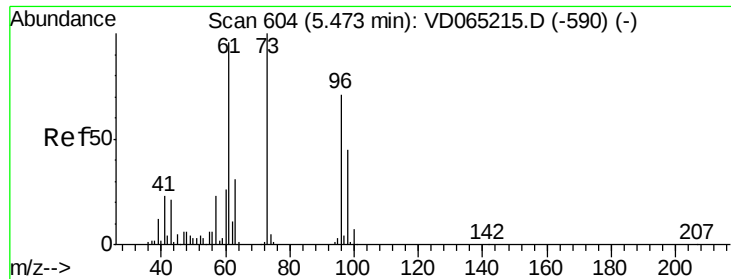
MMDadoda
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#20
Methylene Chloride
Concen: 49.397 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 84 Resp: 226114
Ion Ratio Lower Upper
84 100
49 125.0 103.1 154.7
51 37.0 31.7 47.5
86 66.2 50.9 76.3





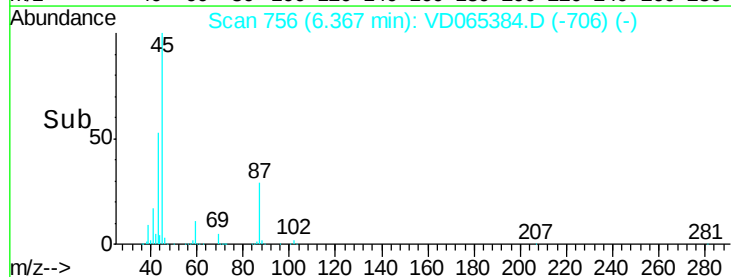
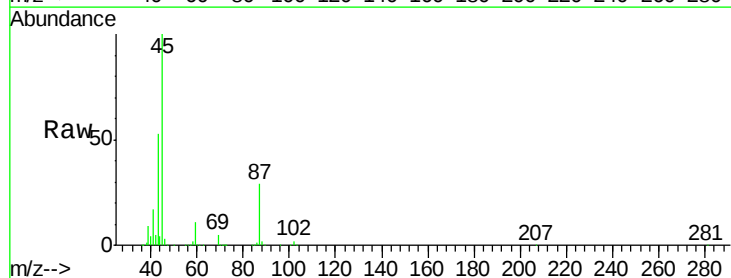
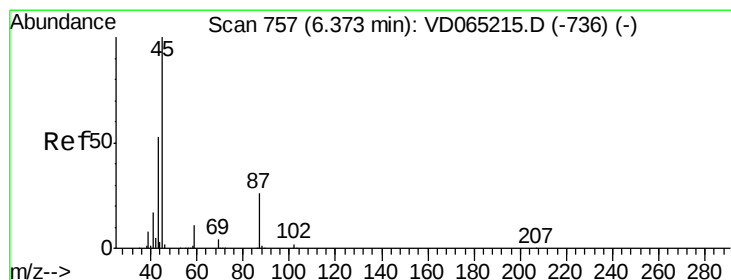
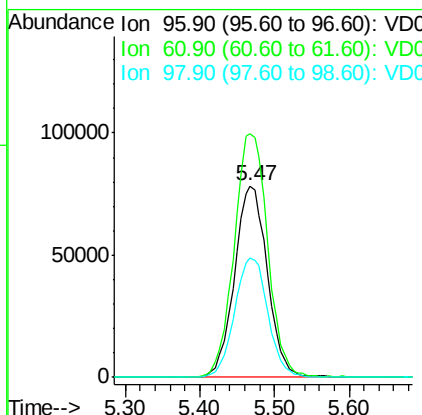
#21
trans-1,2-Dichloroethene
Concen: 48.609 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	108.3	162.5
98	62.4	50.7	76.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

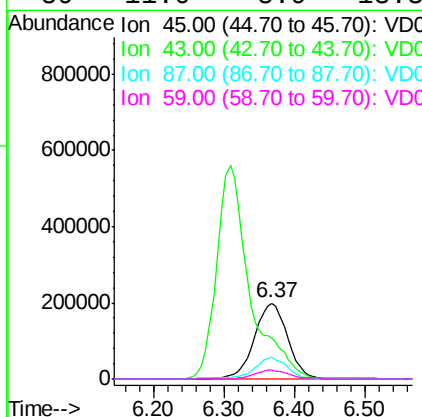
Manual Integrations
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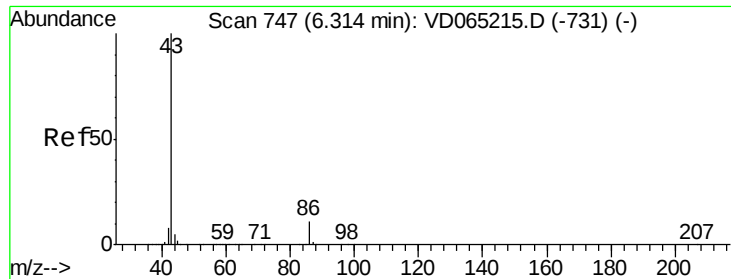
MMDadoda
3/4/2020 2:01:19 PM



#22
Diisopropyl ether
Concen: 48.278 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.3	42.6	64.0
87	28.4	21.2	31.8
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 245.479 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1834542

Ion Ratio Lower Upper

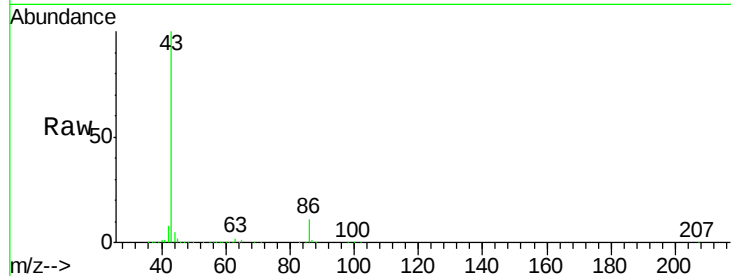
43 100

86 11.1 8.6 12.8

Manual Integrations
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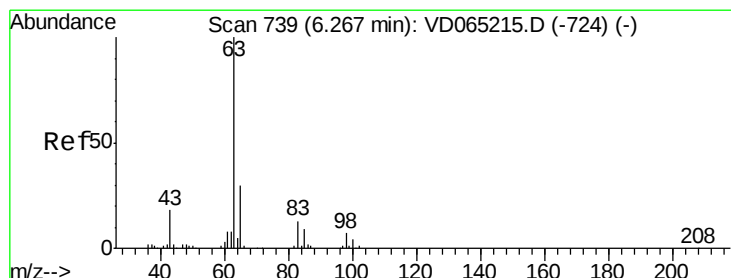
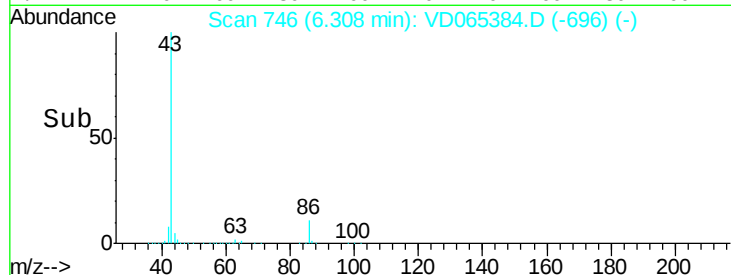
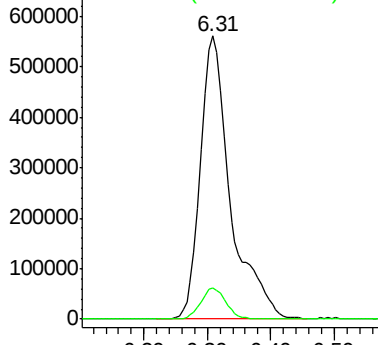
MMDadoda

3/4/2020 2:01:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.497 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

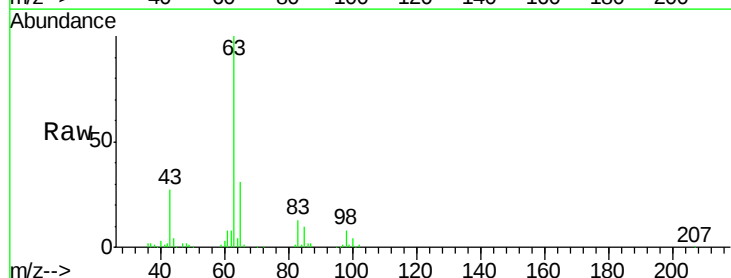
Tgt Ion: 63 Resp: 399369

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

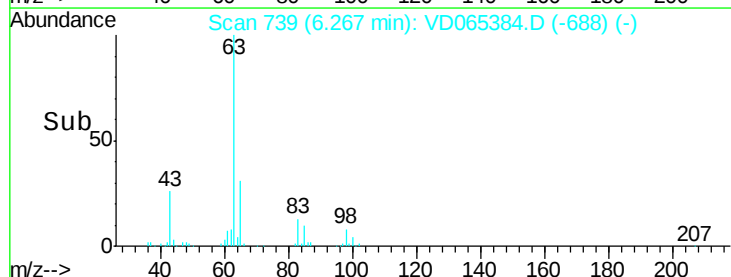
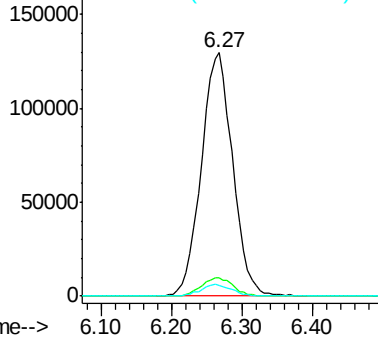
100 4.4 2.3 6.8

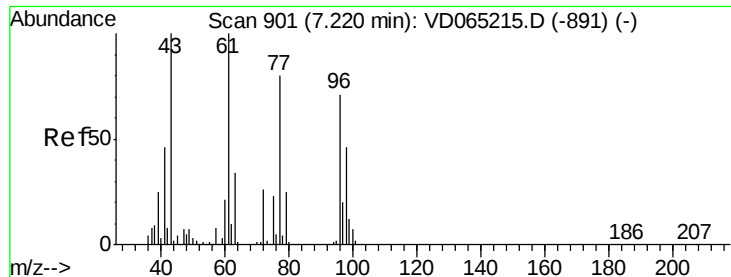


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 242.891 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 315632

Ion Ratio Lower Upper

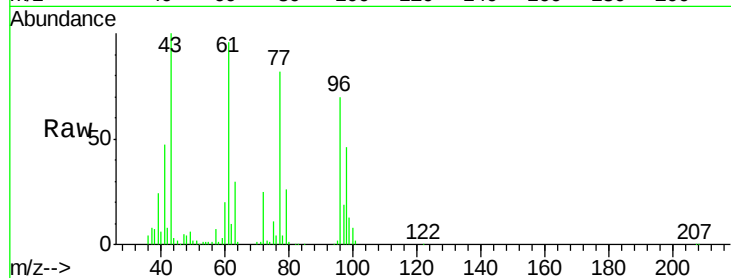
43 100

72 25.3 20.9 31.3

Manual Integrations
APPROVED

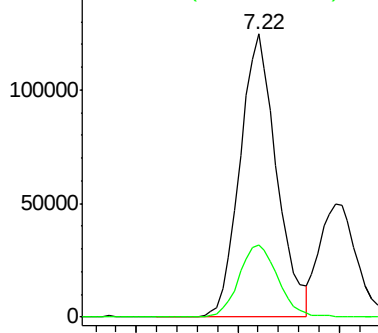
MMDadoda

3/4/2020 2:01:19 PM

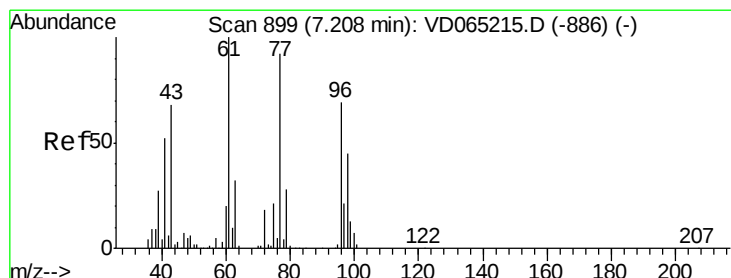
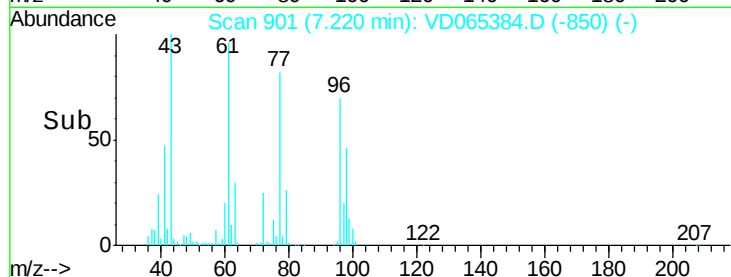


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 48.158 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065384.D

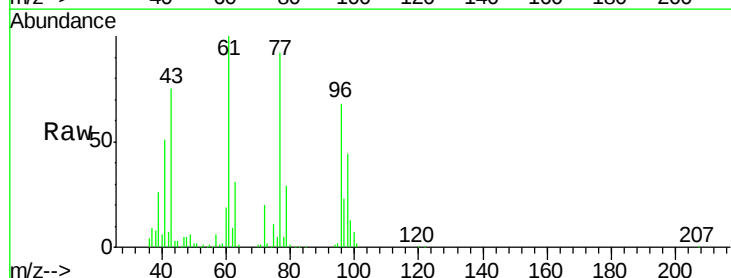
Acq: 03 Mar 2020 10:08

Tgt Ion: 77 Resp: 351329

Ion Ratio Lower Upper

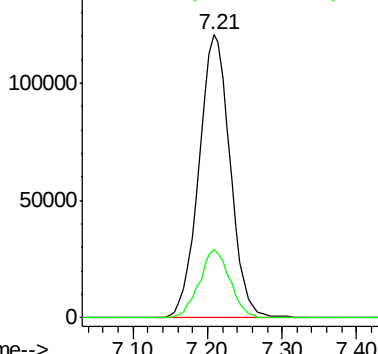
77 100

97 23.7 11.7 35.1

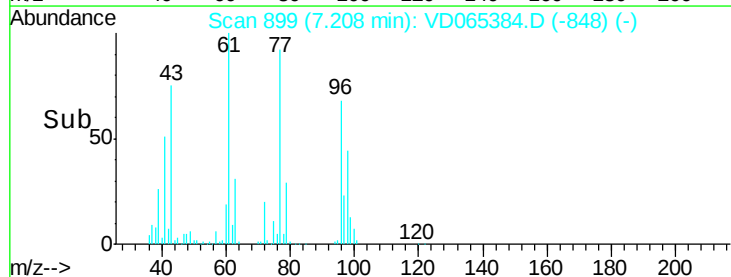


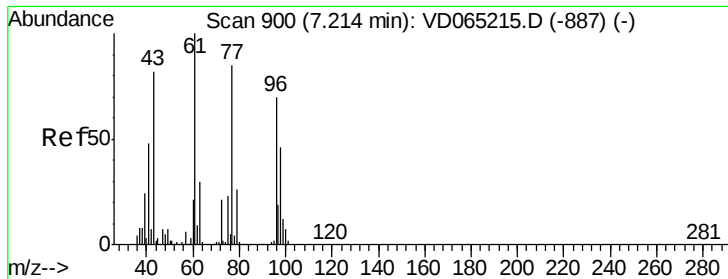
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

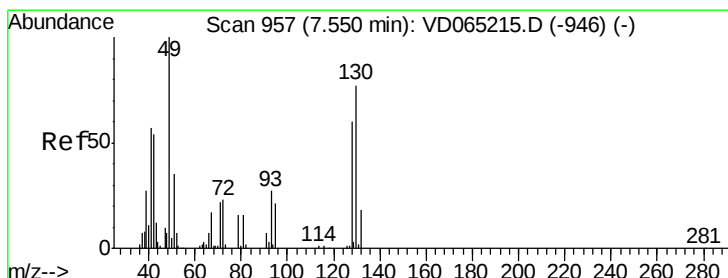
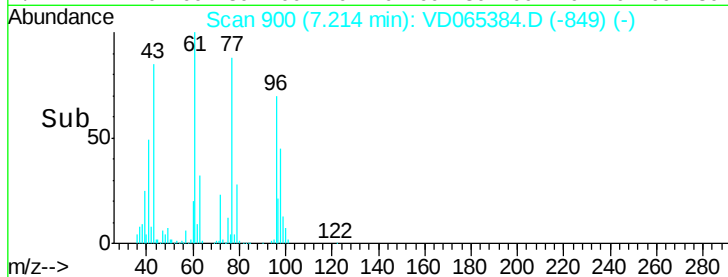
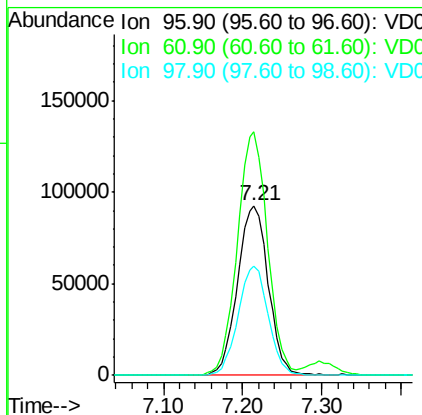
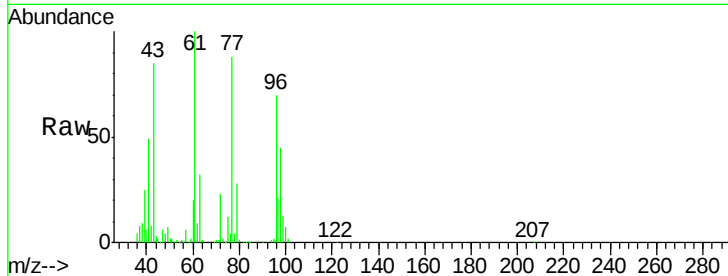
cis-1,2-Dichloroethene
 Concen: 47.887 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	249698		
61	140.5	0.0	286.0	
98	63.1	0.0	127.8	

Manual Integrations
 APPROVED

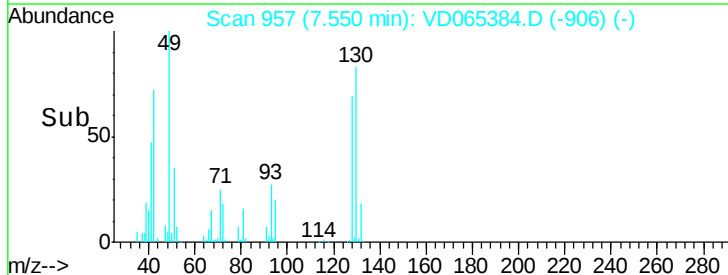
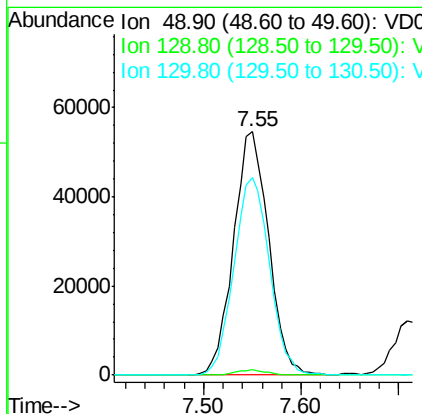
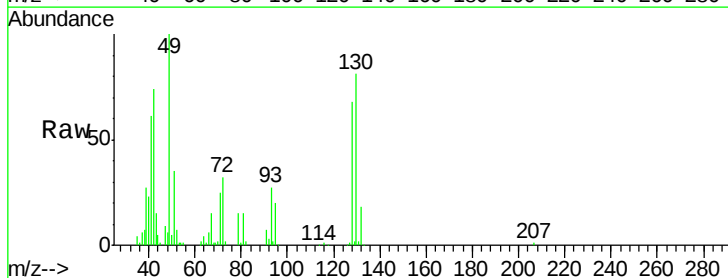
MMDadoda
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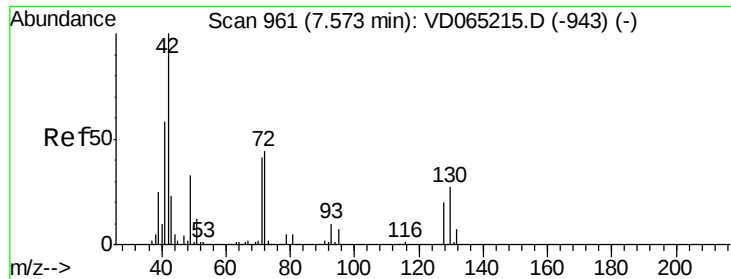


#28

Bromochloromethane
 Concen: 44.051 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137414		
129	2.0	0.0	4.6	
130	82.6	64.7	97.1	





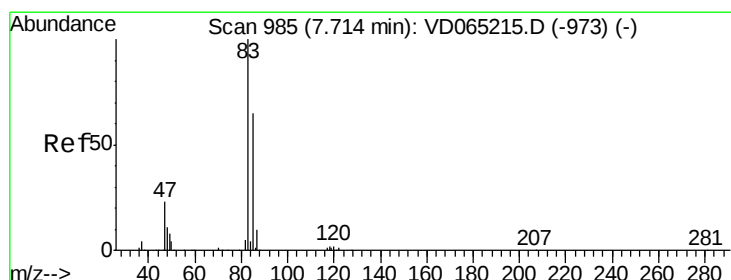
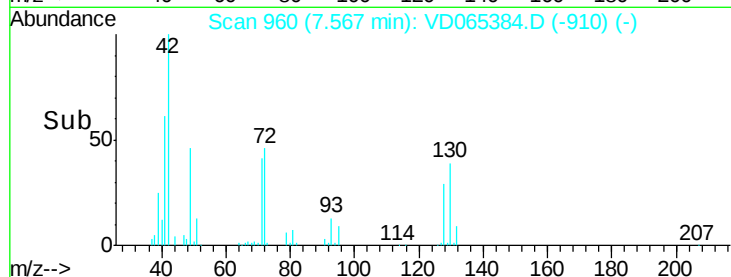
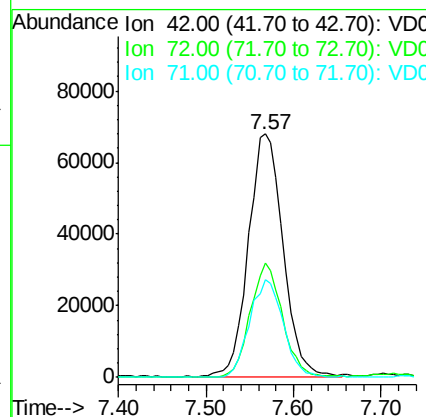
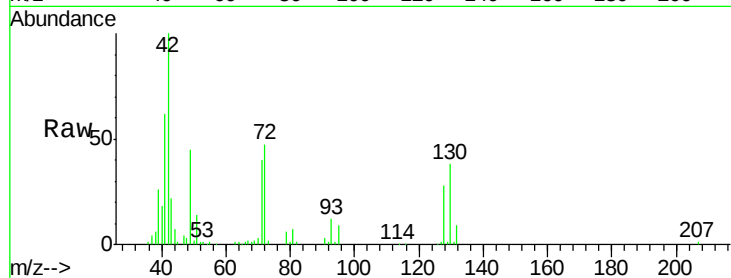
#29
Tetrahydrofuran
Concen: 241.672 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.7	50.5
71	38.7	31.4	47.2

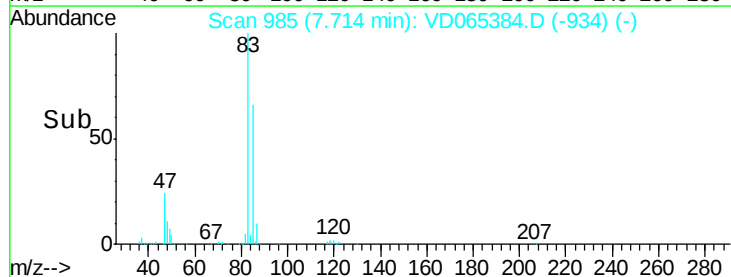
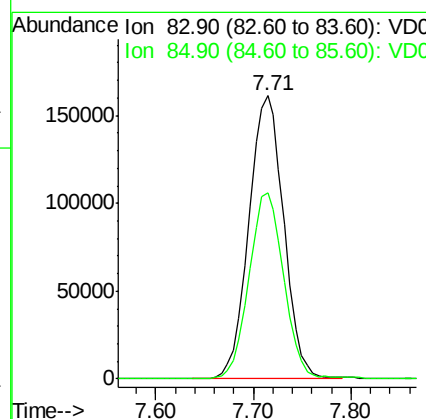
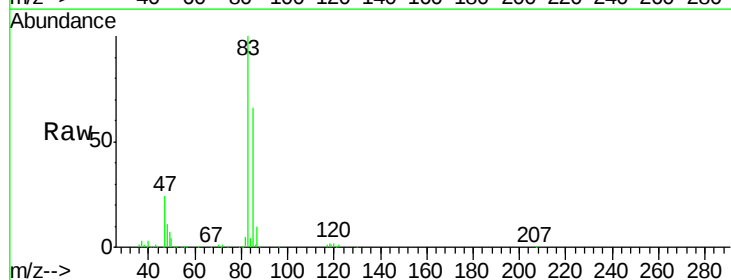
Manual Integrations
APPROVED

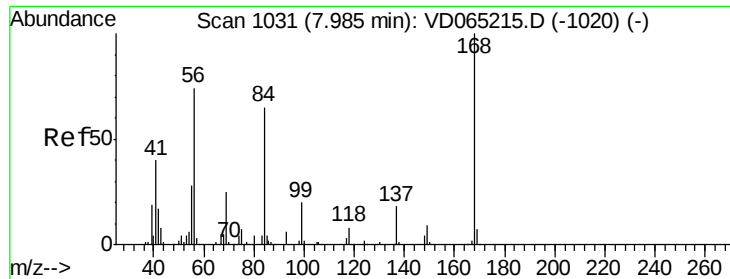
MMDadoda
3/4/2020 2:01:19 PM



#30
Chloroform
Concen: 47.755 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.3	78.5





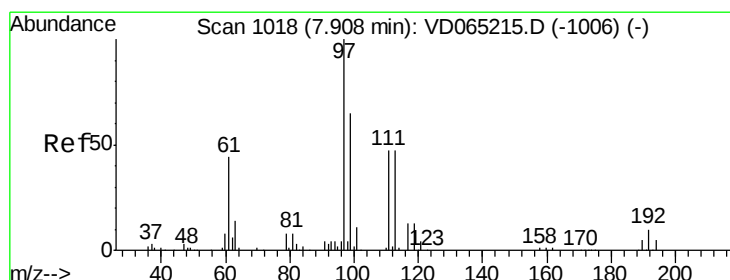
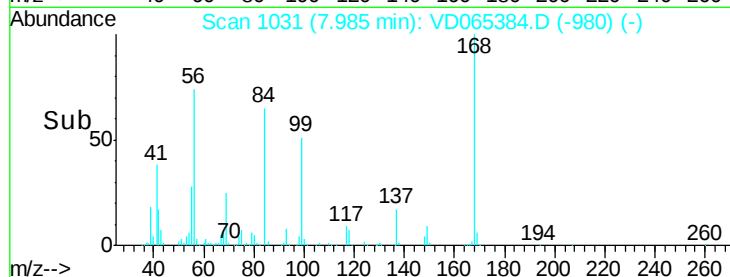
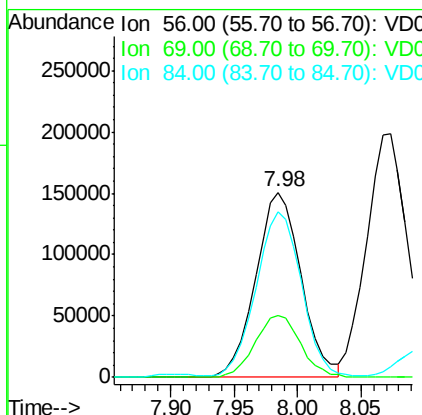
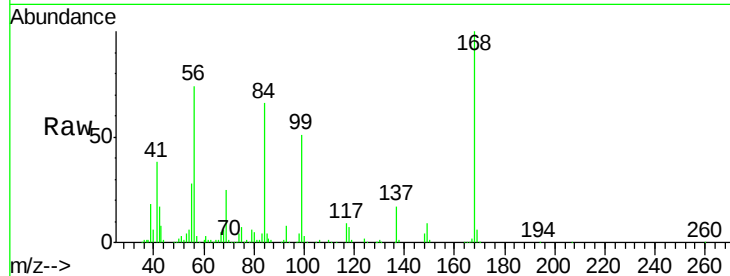
#31
Cyclohexane
Concen: 45.511 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.7	27.4	41.0	
84	88.0	71.1	106.7	

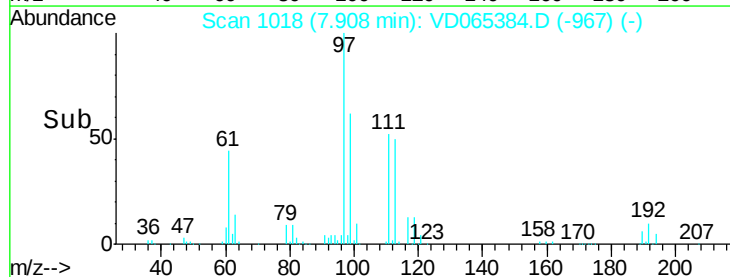
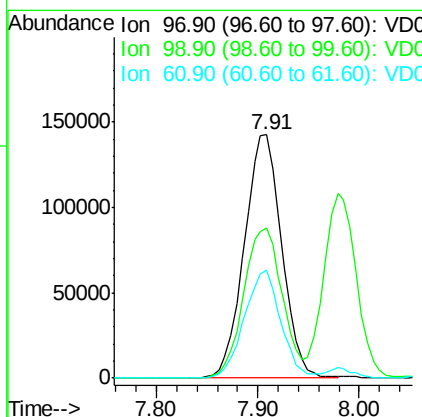
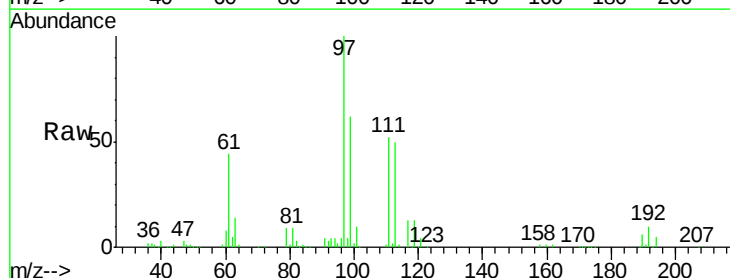
Manual Integrations
APPROVED

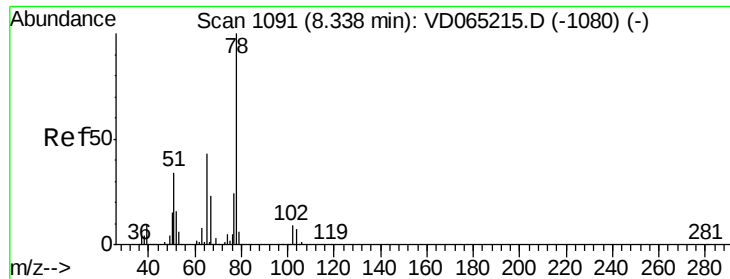
MMDadoda
3/4/2020 2:01:19 PM



#32
1,1,1-Trichloroethane
Concen: 48.093 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.7	51.4	77.2	
61	43.5	34.8	52.2	





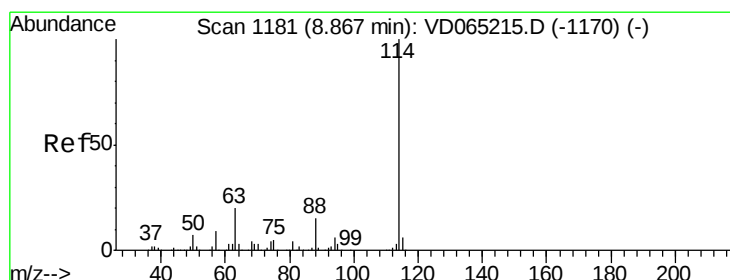
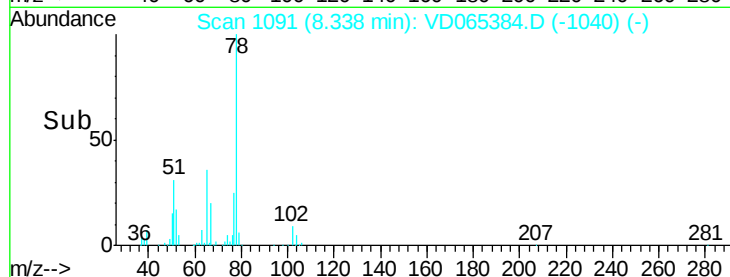
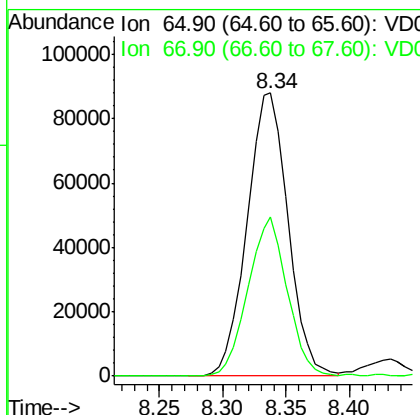
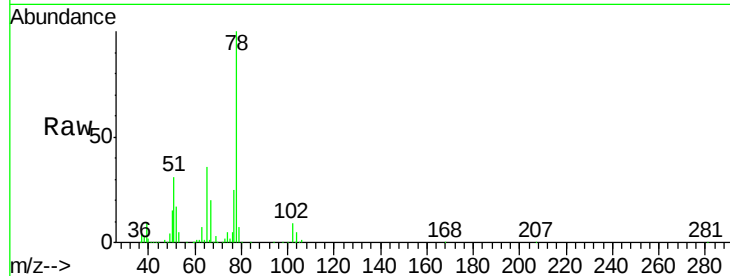
#33
 1,2-Dichloroethane-d4
 Concen: 47.054 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8

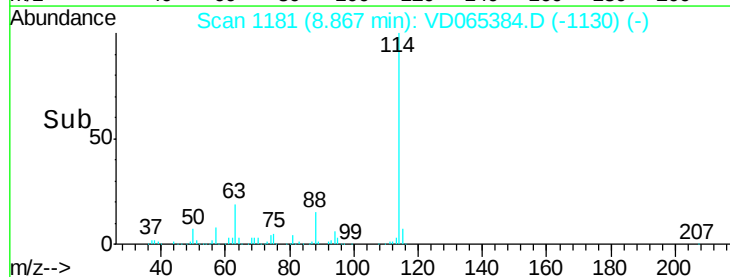
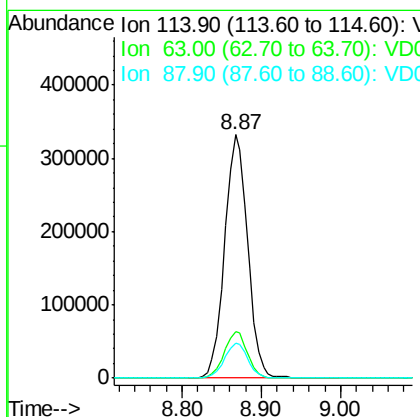
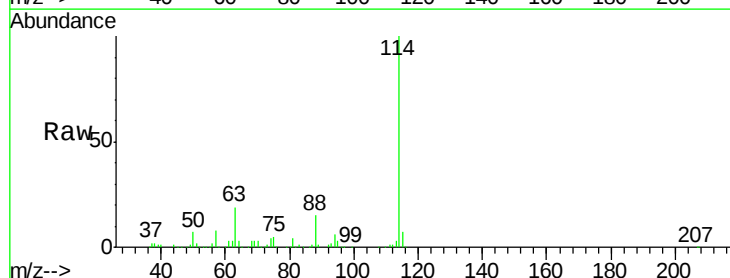
Manual Integrations
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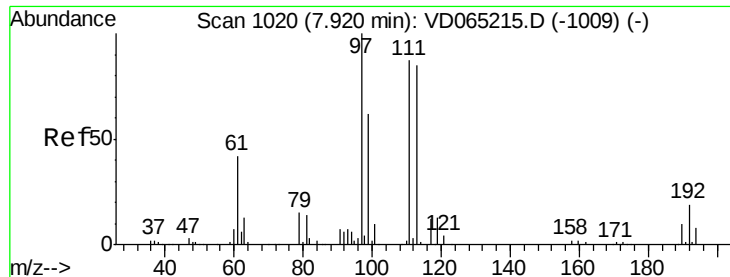
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 3/4/2020 2:01:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	14.6	0.0	30.4





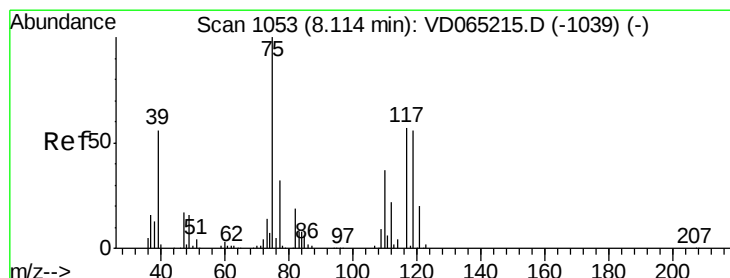
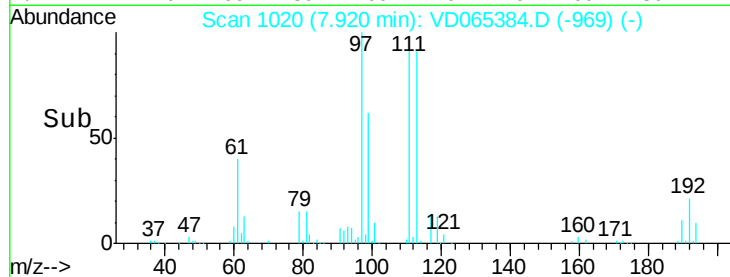
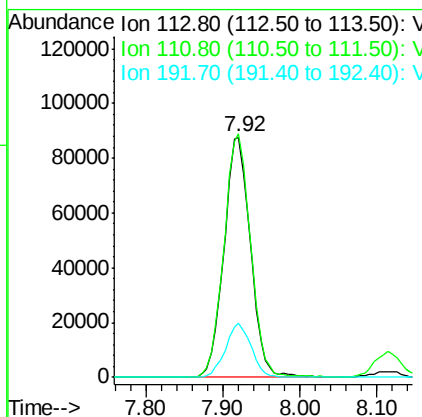
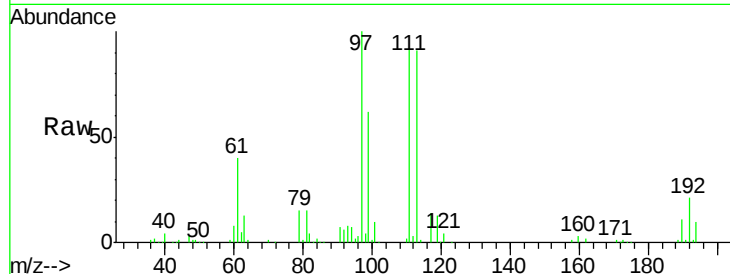
#35
Dibromofluoromethane
Concen: 51.970 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210541		
111	102.3	82.9	124.3	
192	21.7	17.3	25.9	

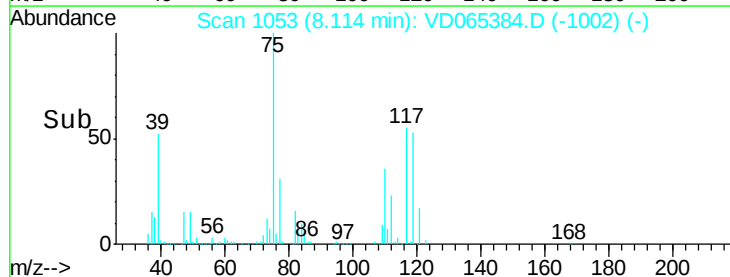
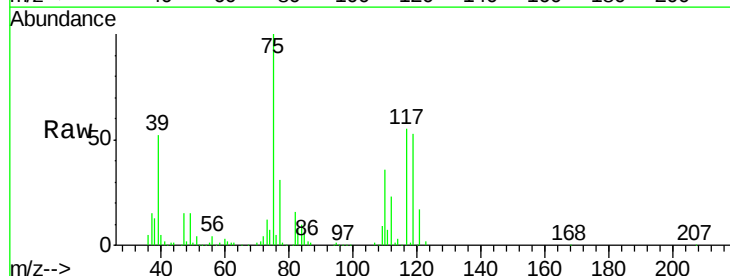
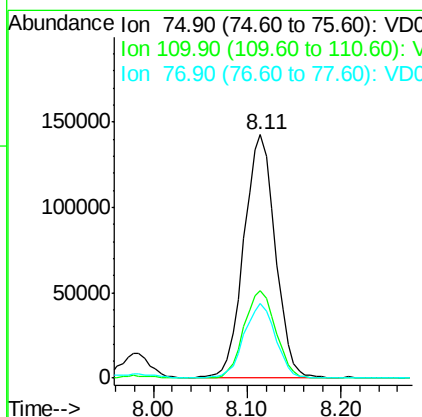
Manual Integrations
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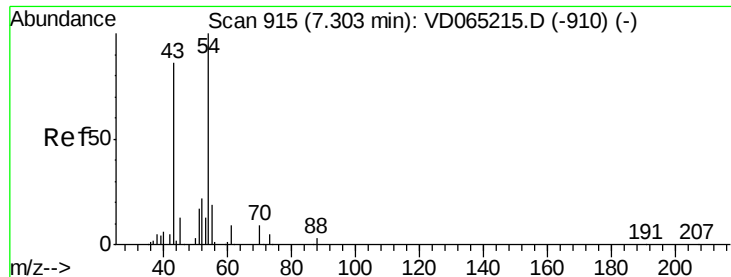
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3/4/2020 2:01:19 PM



#36
1,1-Dichloropropene
Concen: 50.763 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328170		
110	36.7	17.9	53.7	
77	31.1	25.1	37.7	





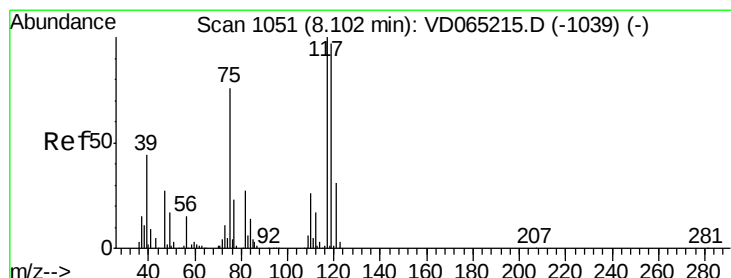
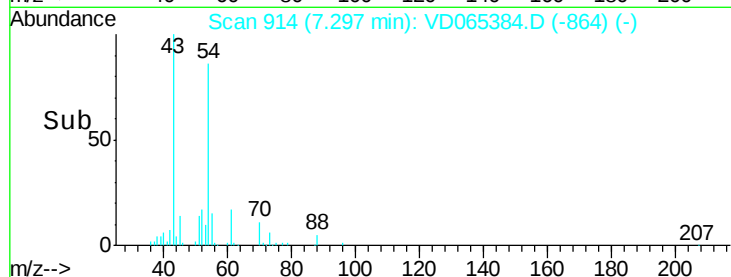
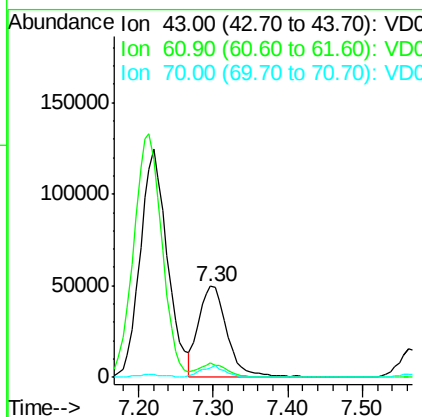
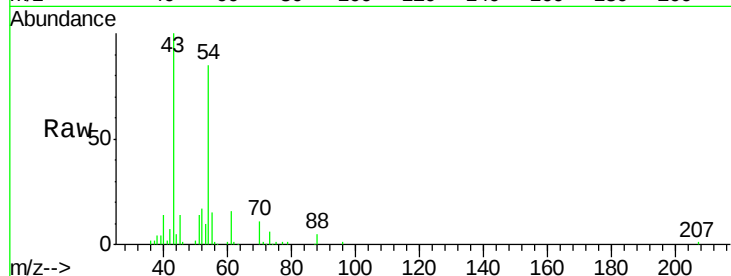
#37
Ethyl Acetate
Concen: 48.796 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.2	16.8
70	10.9	8.2	12.2

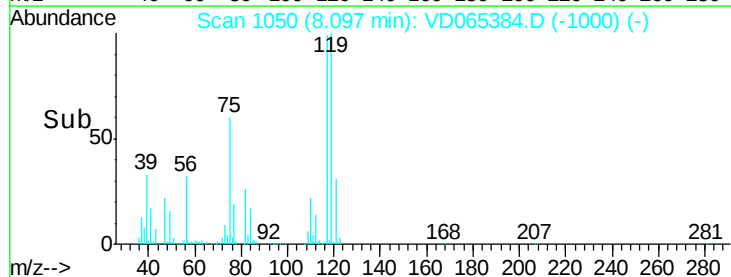
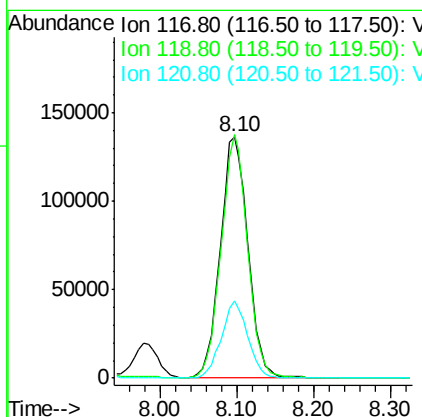
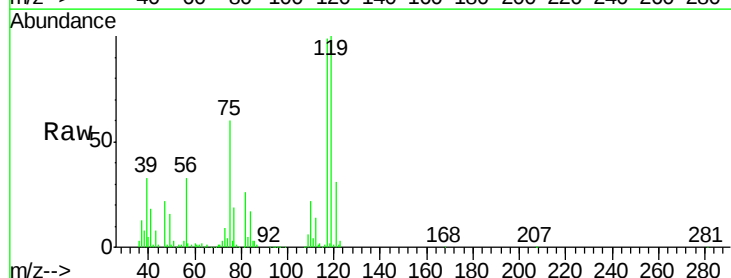
Manual Integrations
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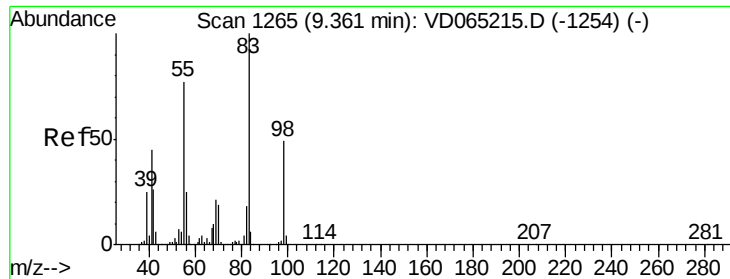
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3/4/2020 2:01:19 PM



#38
Carbon Tetrachloride
Concen: 51.392 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.6	116.4
121	31.8	24.8	37.2





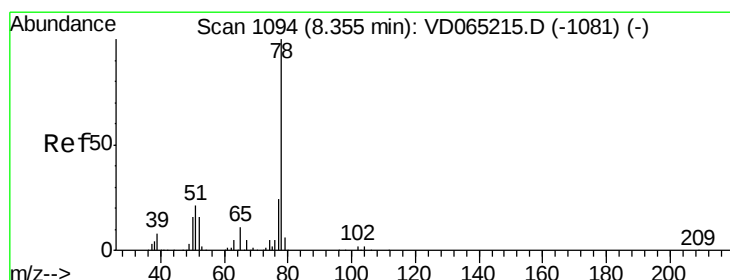
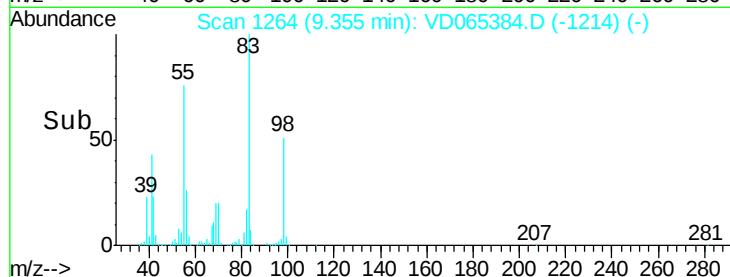
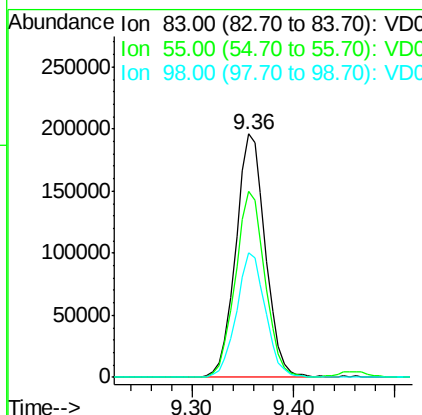
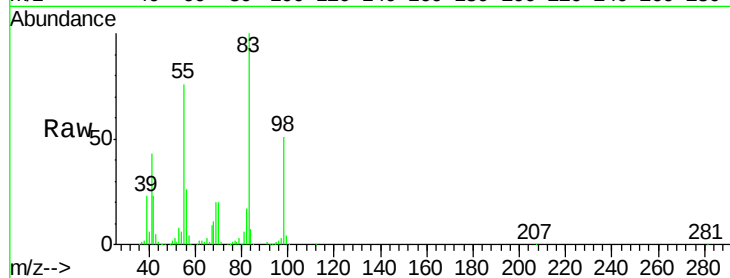
#39
Methvlcvclohexane
Concen: 52.132 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.8	92.6
98	51.0	39.4	59.0

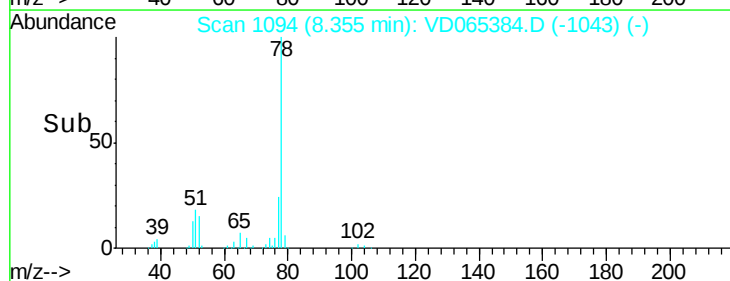
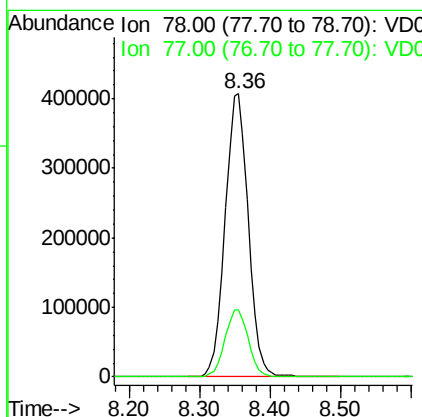
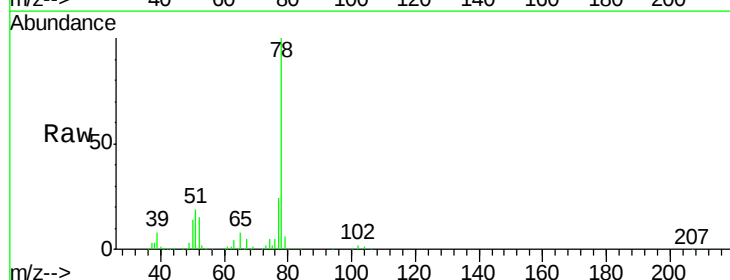
Manual Integrations
APPROVED

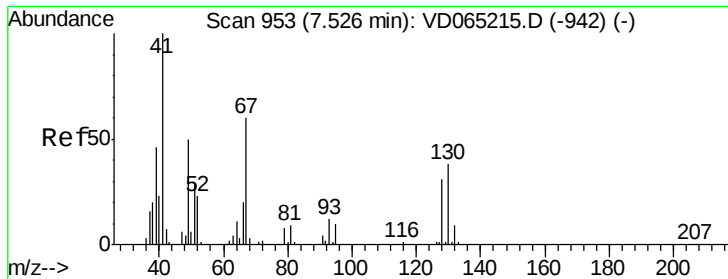
MMDadoda
3/4/2020 2:01:19 PM



#40
Benzene
Concen: 50.798 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





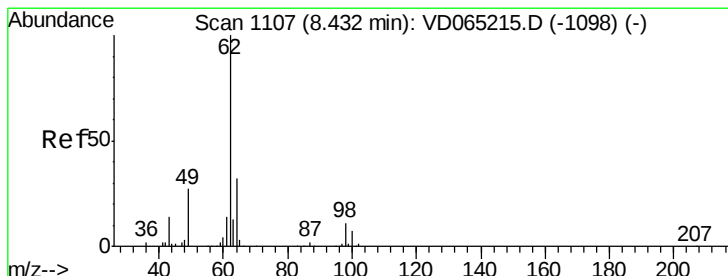
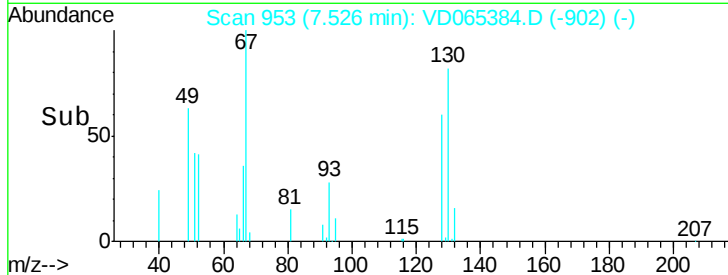
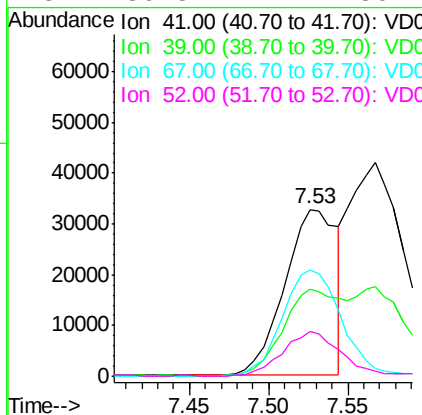
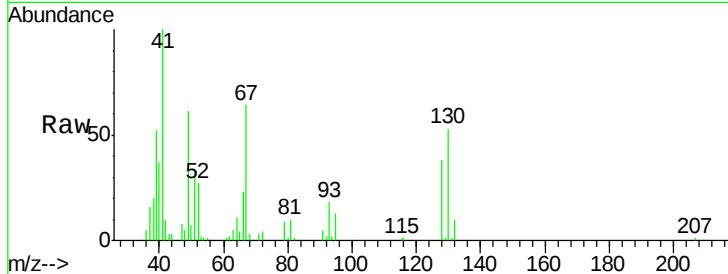
#41
Methacrylonitrile
Concen: 48.003 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	74907
Ion	Ratio	Lower	Upper
41	100		
39	60.8	48.1	72.1
67	73.1	58.9	88.3
52	30.8	24.2	36.2

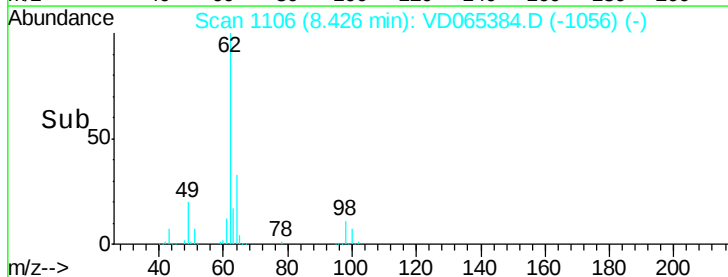
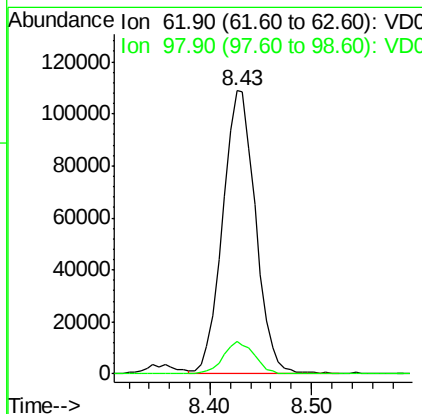
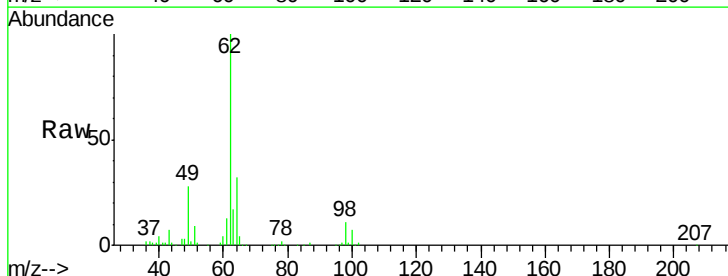
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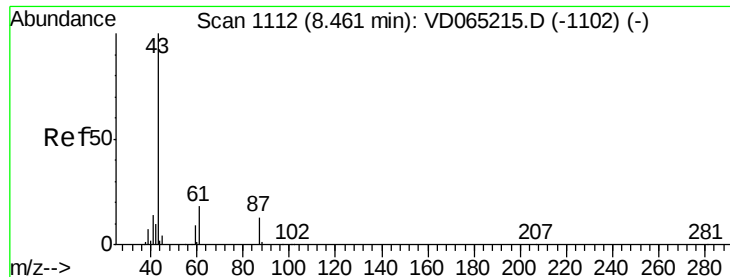
MMDadoda
3/4/2020 2:01:19 PM



#42
1,2-Dichloroethane
Concen: 48.537 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	62	Resp	243485
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.142 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

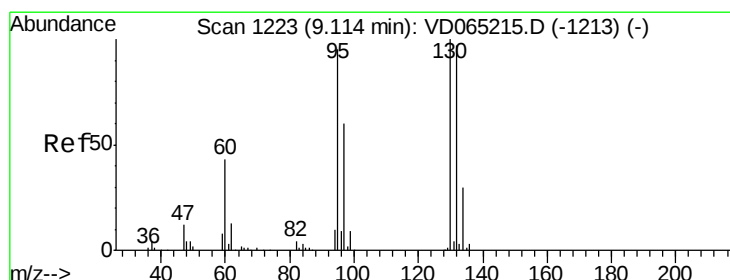
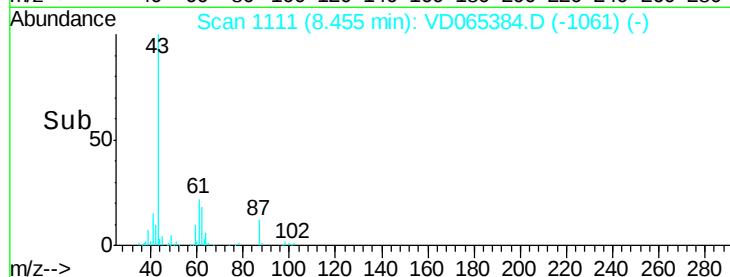
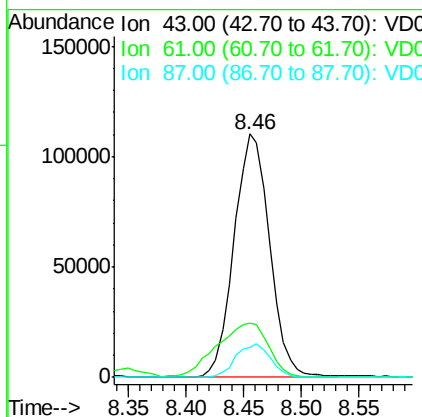
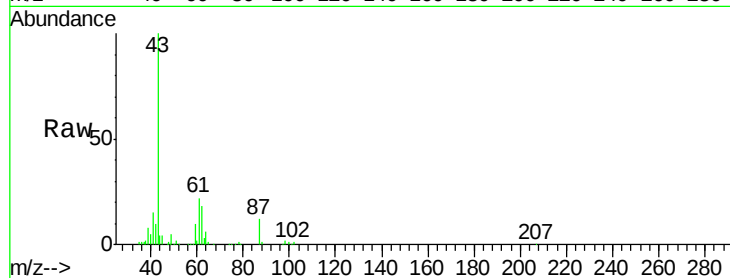
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	236597
Ion	Ratio	Lower	Upper
43	100		
61	32.3	24.6	36.8
87	13.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.761 ug/l

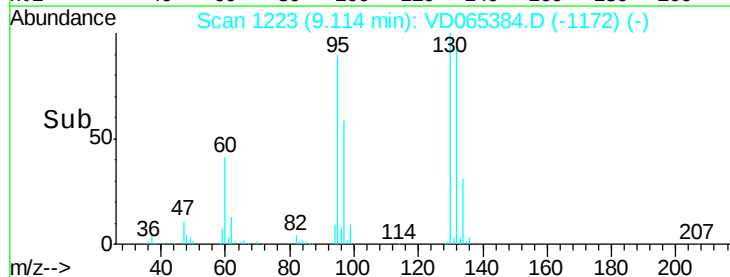
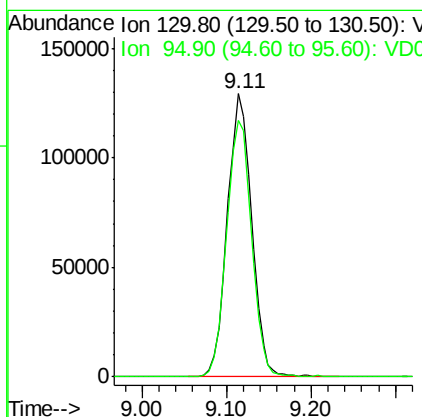
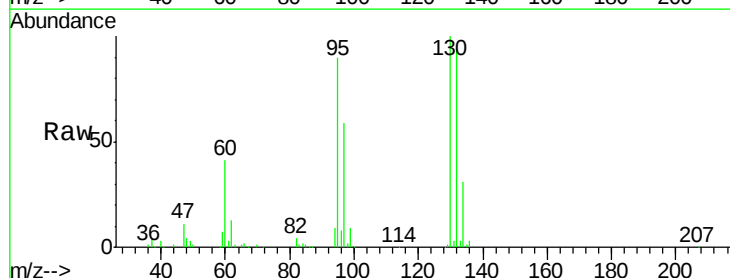
RT: 9.11 min Scan# 1223

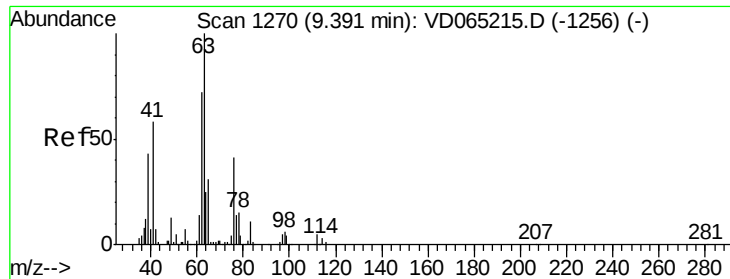
Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	130	Resp:	256755
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	190.6





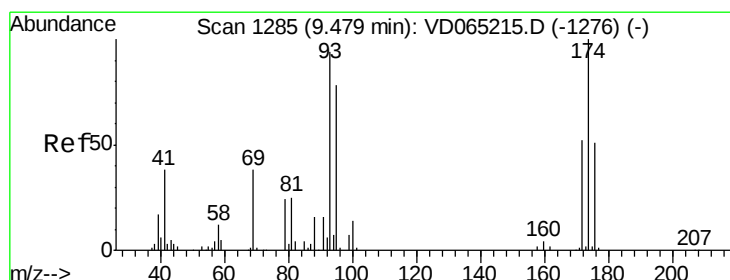
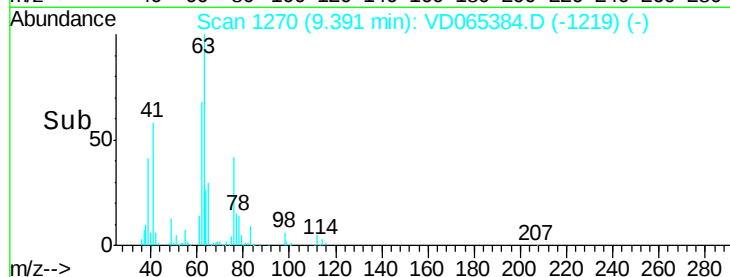
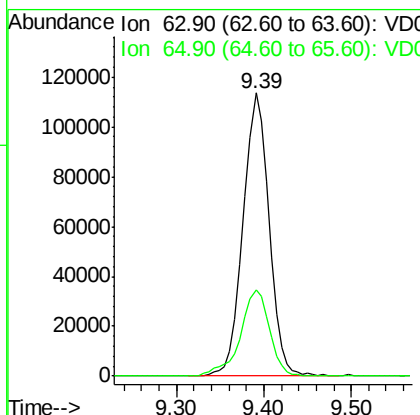
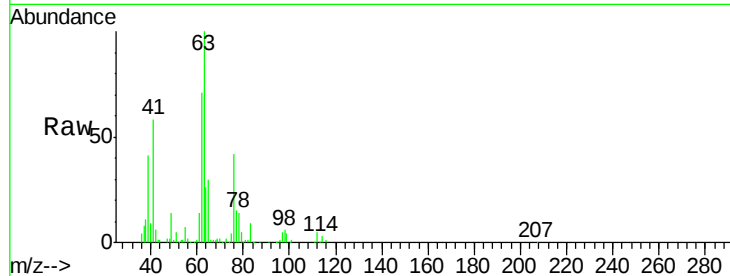
#45
 1,2-Dichloropropane
 Concen: 50.237 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3

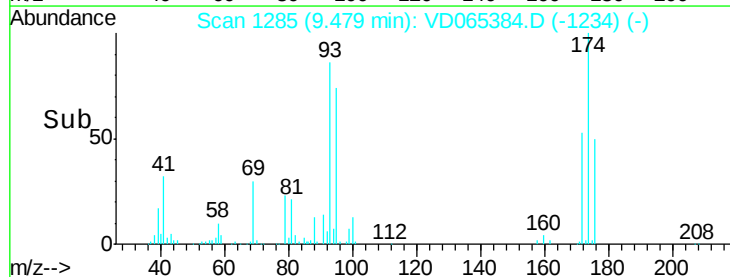
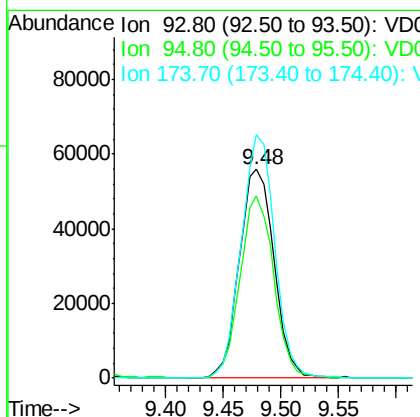
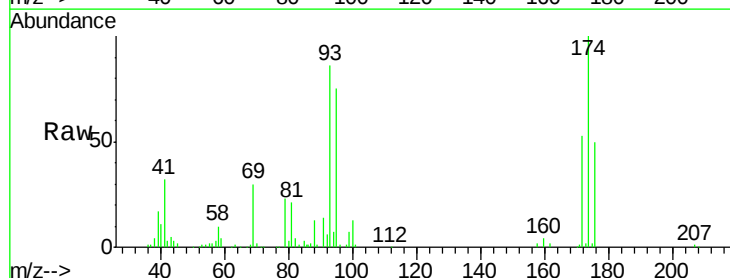
Manual Integrations
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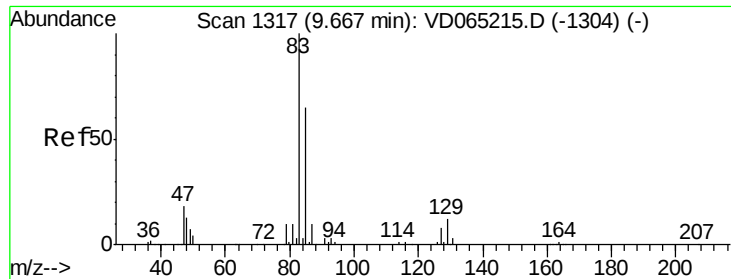
MMDadoda
 3/4/2020 2:01:19 PM



#46
 Dibromomethane
 Concen: 50.389 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.8	98.6
174	112.5	86.8	130.2





#47

Bromodichloromethane

Concen: 50.188 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

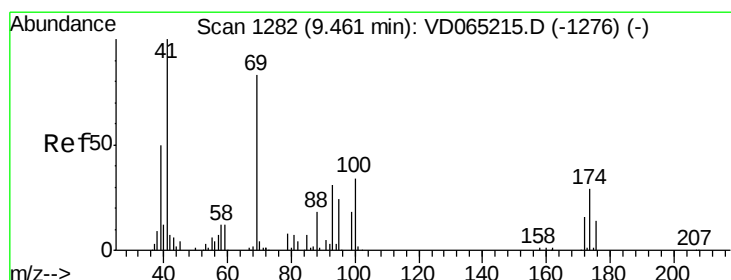
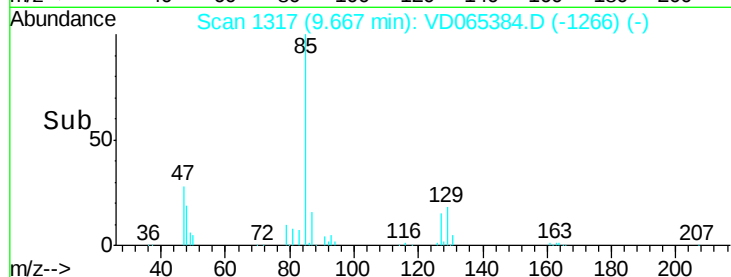
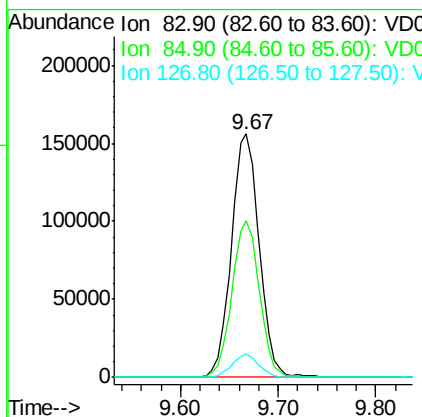
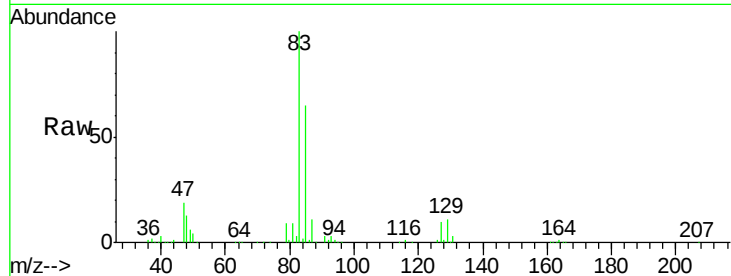
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	308777
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.0	78.0
127	9.7	6.7	10.1

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#48

Methyl methacrylate

Concen: 49.380 ug/l

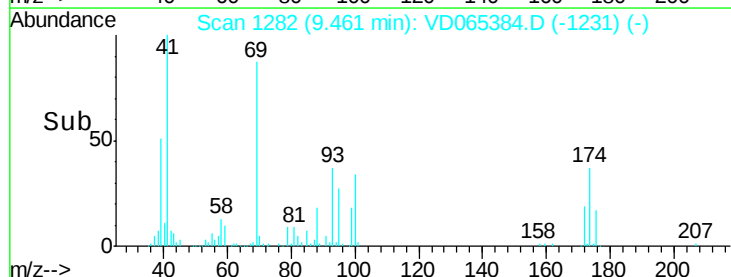
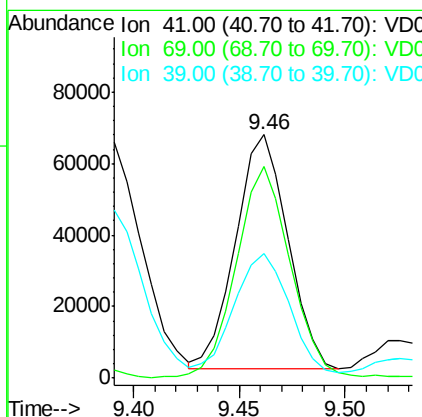
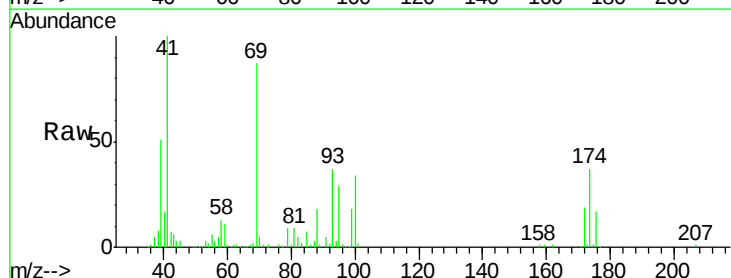
RT: 9.46 min Scan# 1282

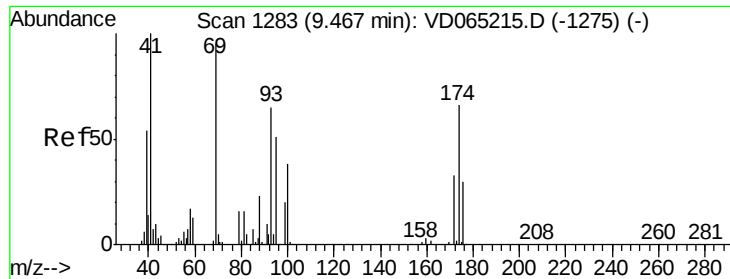
Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	41	Resp:	112174
Ion	Ratio	Lower	Upper
41	100		
69	93.4	68.2	102.2
39	53.6	42.0	63.0





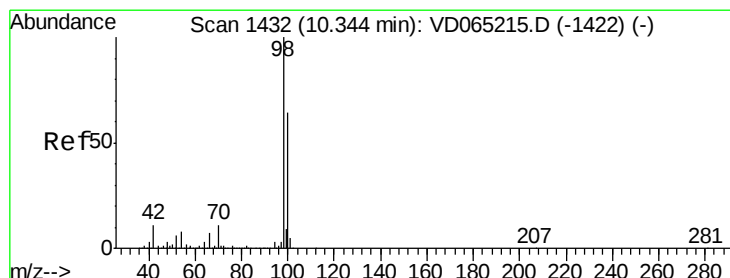
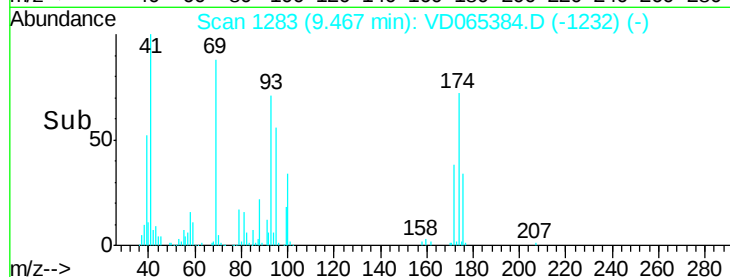
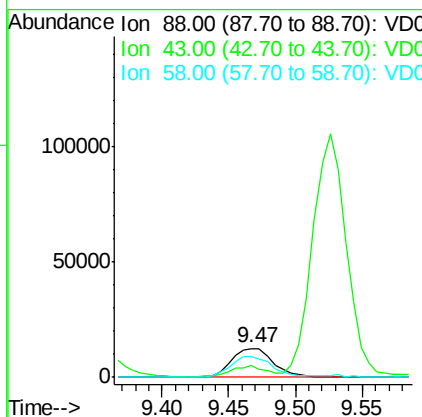
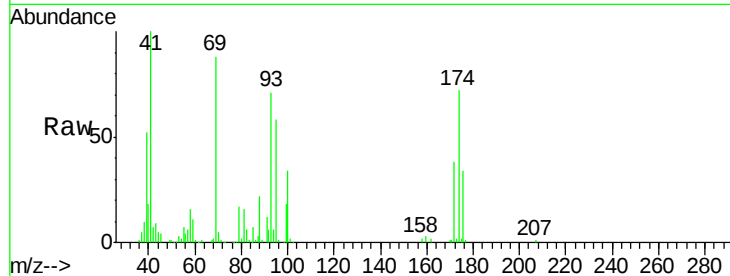
#49
1,4-Dioxane
Concen: 1013.219 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	28.5	42.7
58	69.5	58.6	87.8

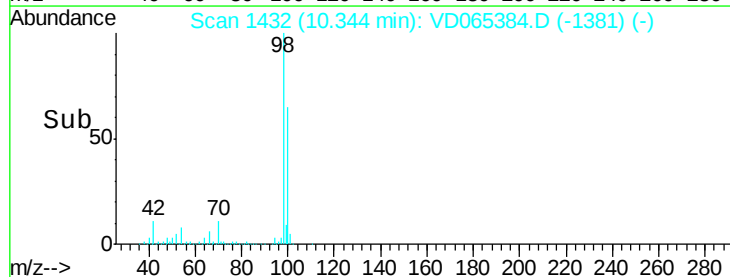
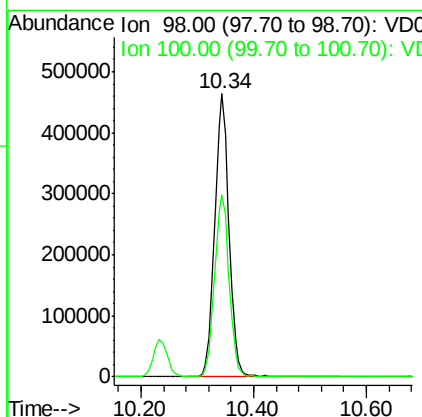
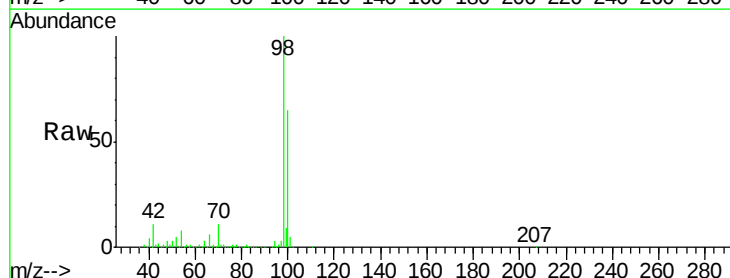
Manual Integrations
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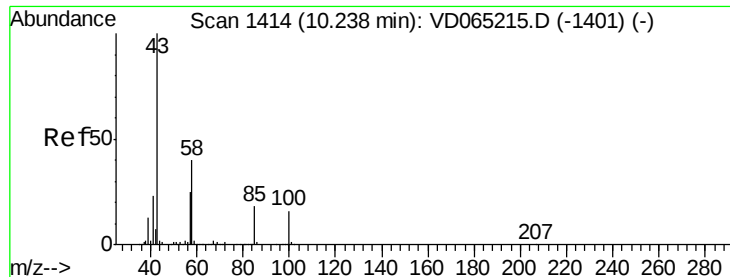
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#50
Toluene-d8
Concen: 52.546 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 256.657 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 640659

Ion Ratio Lower Upper

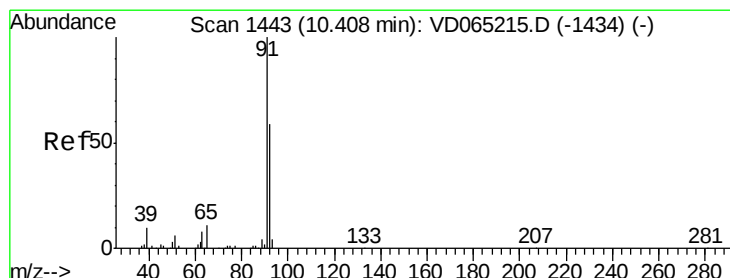
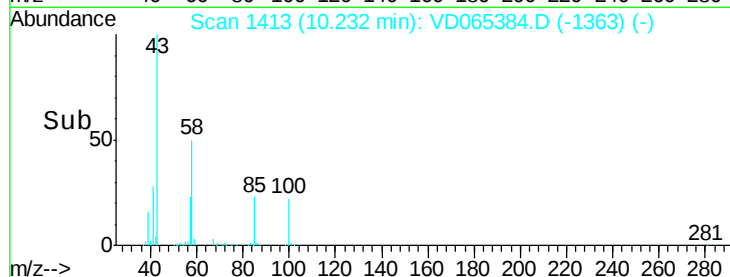
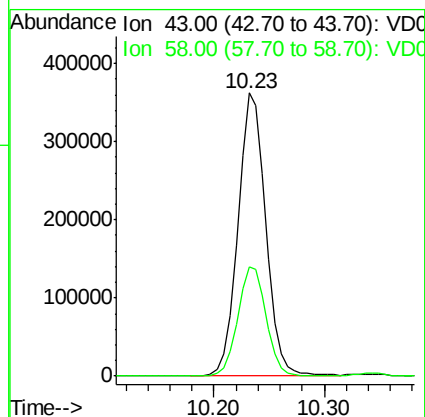
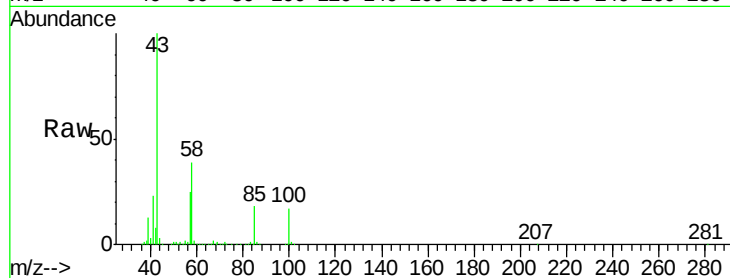
43 100

58 39.4 31.1 46.7

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#52

Toluene

Concen: 52.779 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065384.D

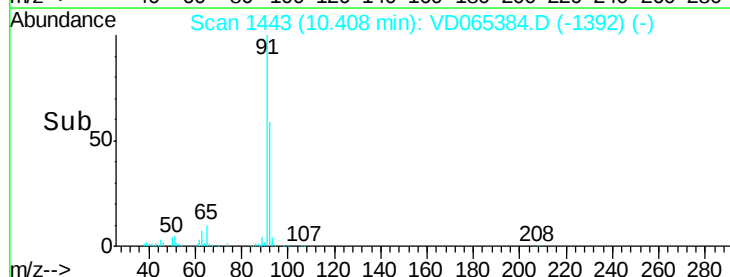
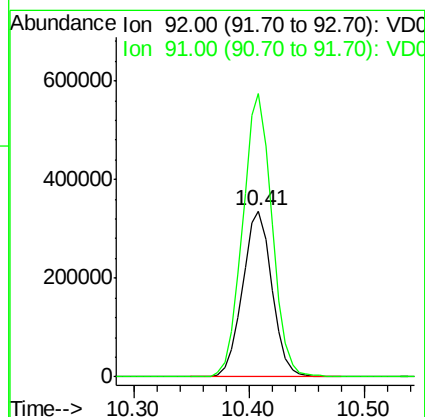
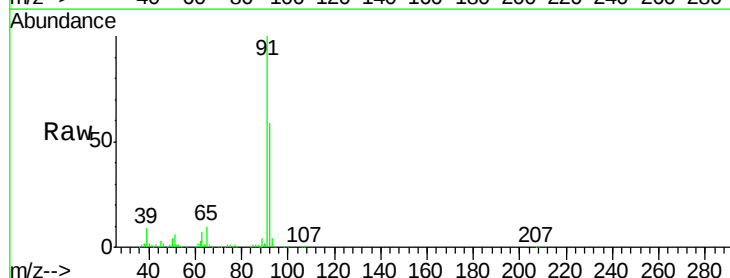
Acq: 03 Mar 2020 10:08

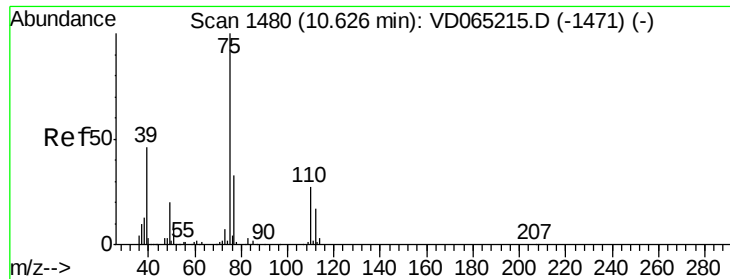
Tgt Ion: 92 Resp: 596129

Ion Ratio Lower Upper

92 100

91 170.6 136.3 204.5





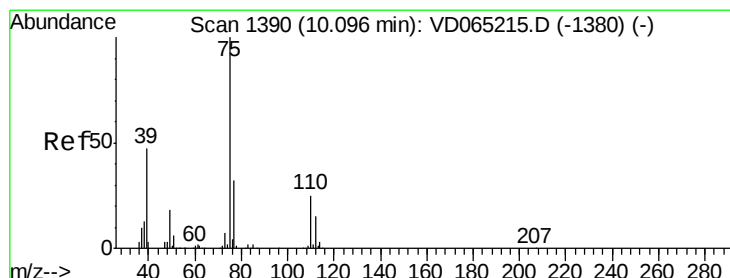
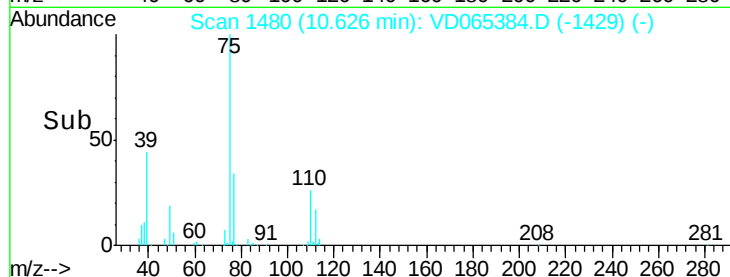
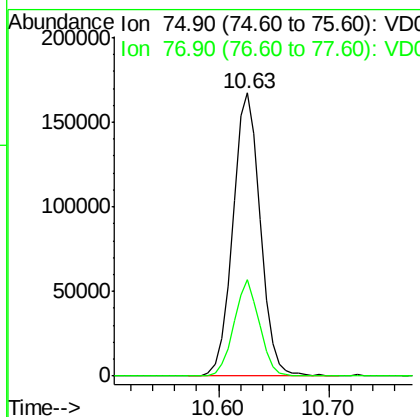
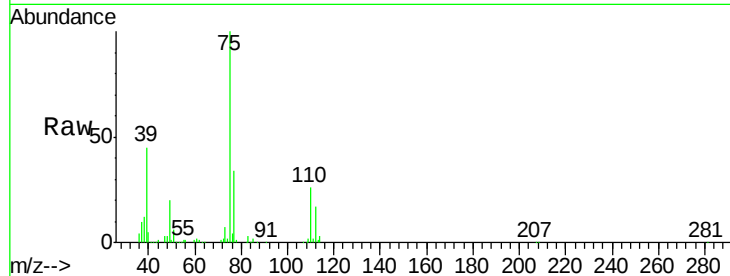
#53
t-1,3-Dichloropropene
Concen: 51.228 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.6	40.0

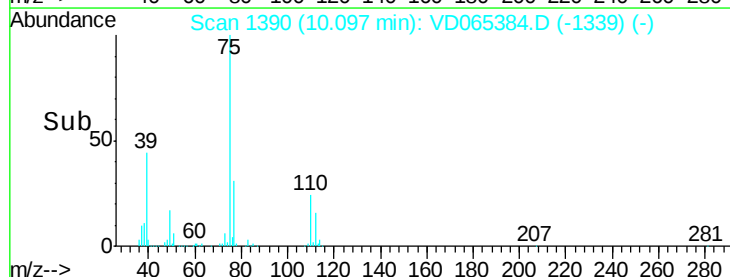
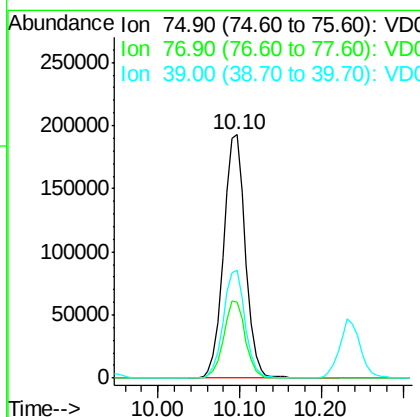
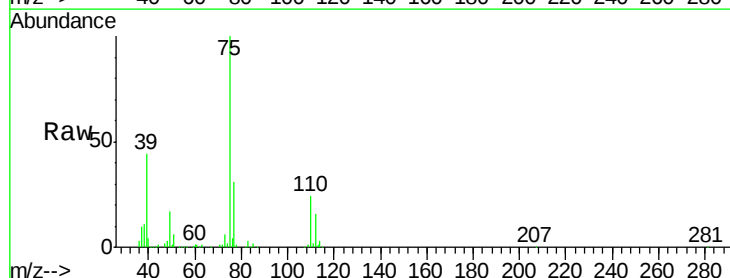
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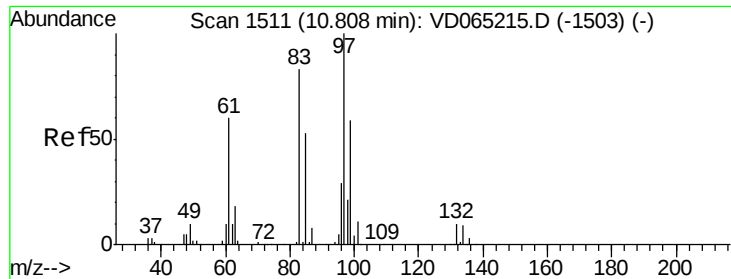
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#54
cis-1,3-Dichloropropene
Concen: 51.739 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	44.3	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 51.180 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

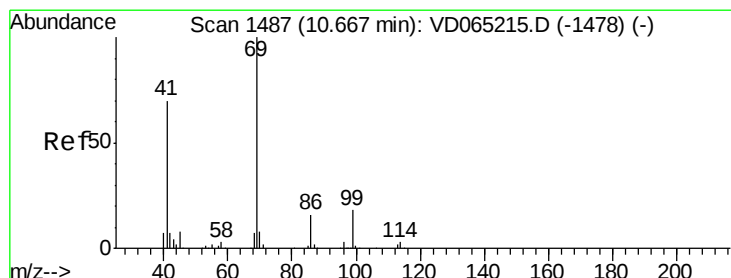
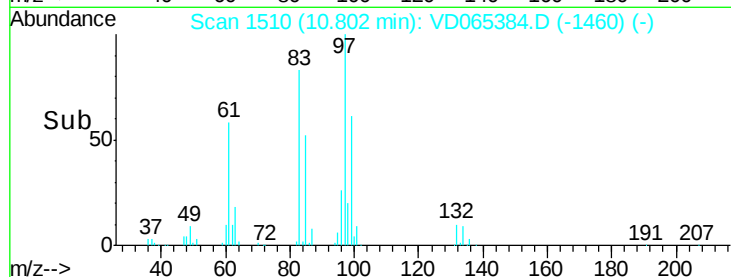
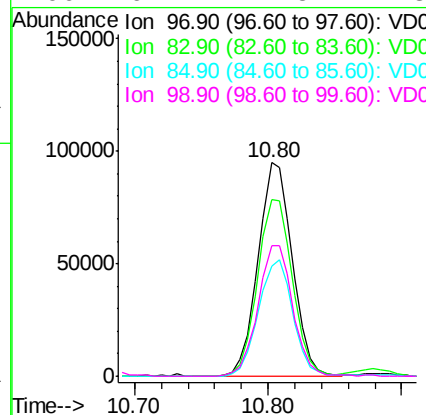
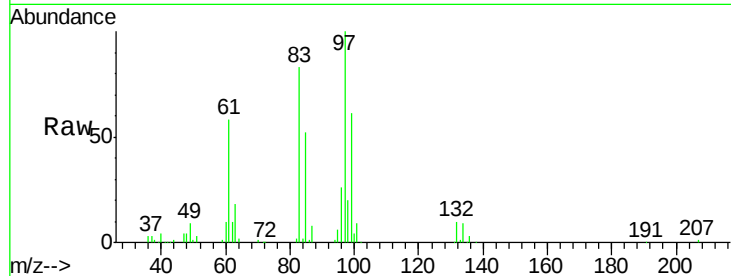
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	168173
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.7	100.1
85	51.8	42.4	63.6
99	61.4	47.5	71.3

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#56

Ethyl methacrylate

Concen: 52.830 ug/l

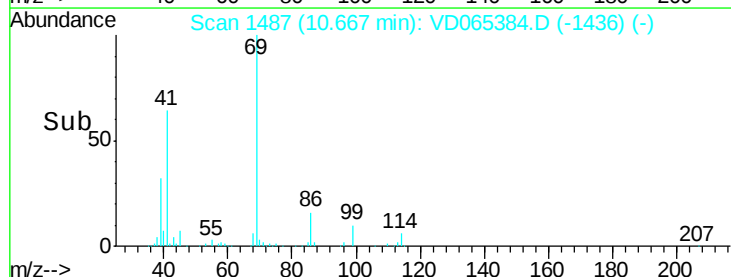
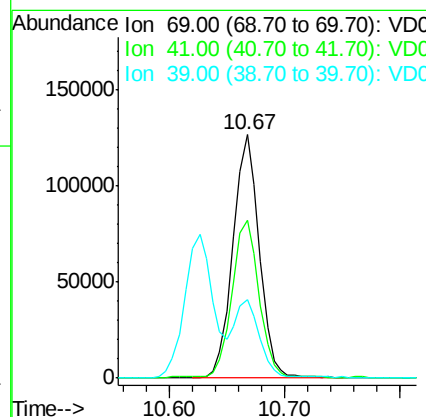
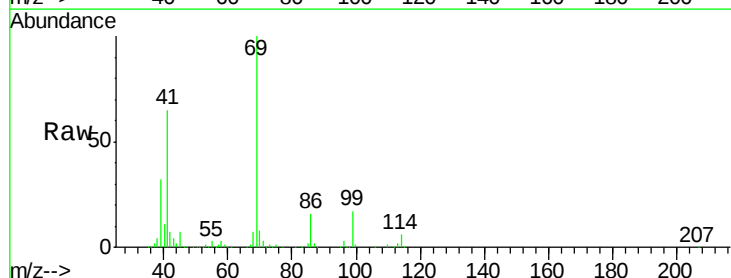
RT: 10.67 min Scan# 1487

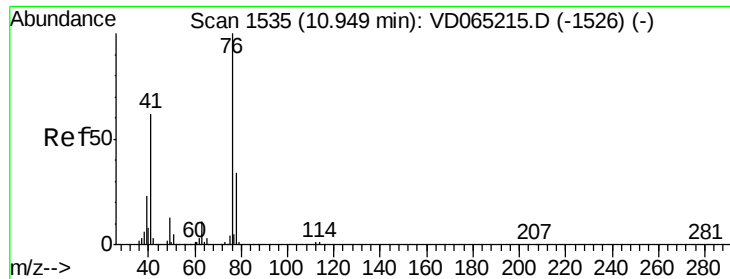
Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	69	Resp:	200366
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.6	81.8
39	30.5	26.5	39.7





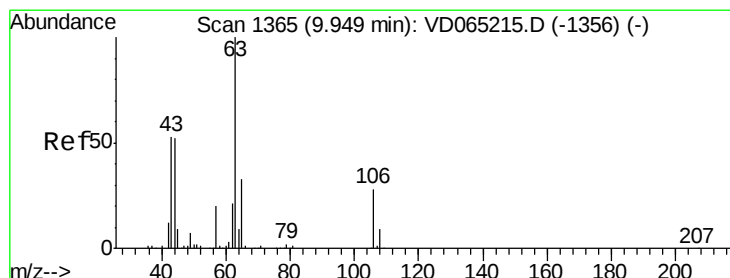
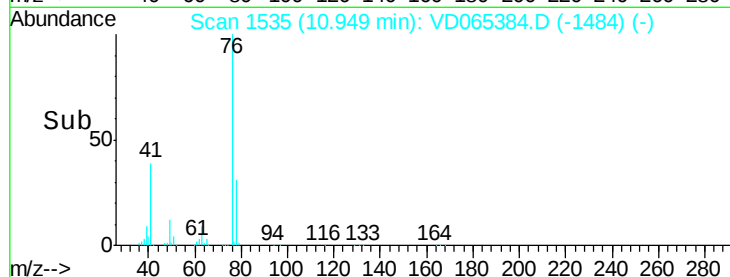
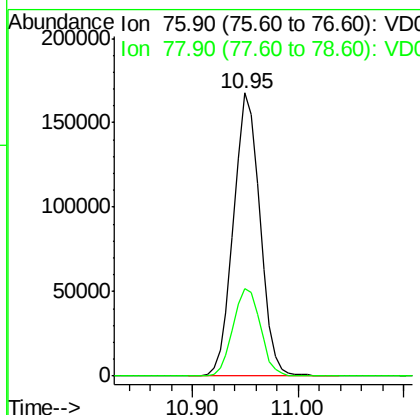
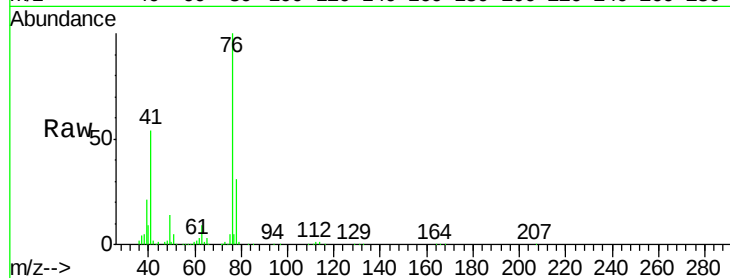
#57
 1,3-Dichloropropane
 Concen: 51.951 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

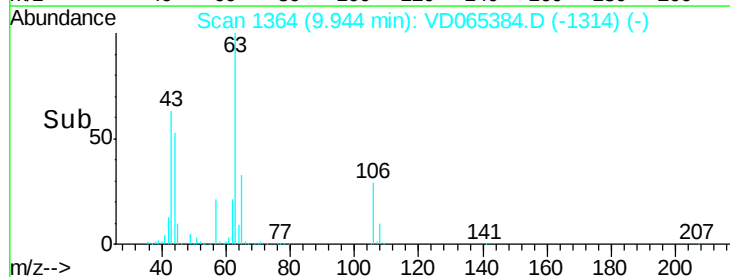
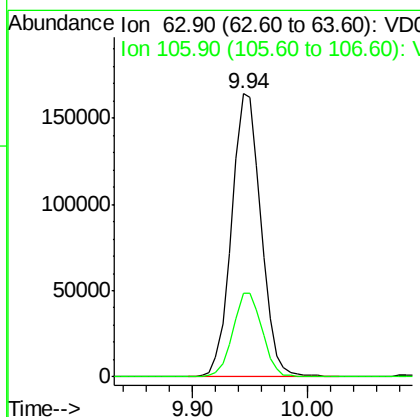
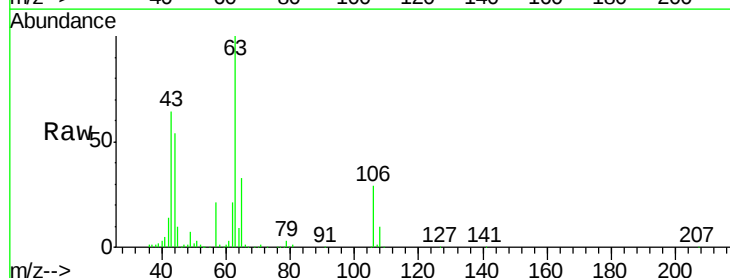
Manual Integrations
 APPROVED

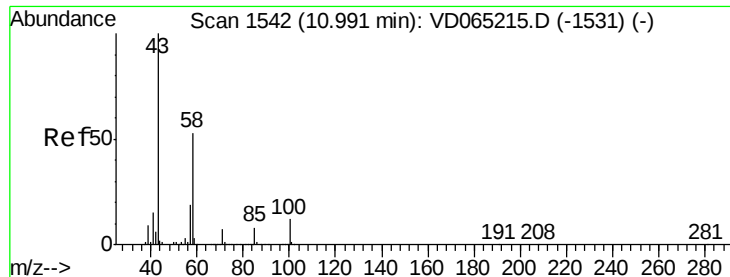
MMDadoda
 3/4/2020 2:01:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.520 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.8	34.2





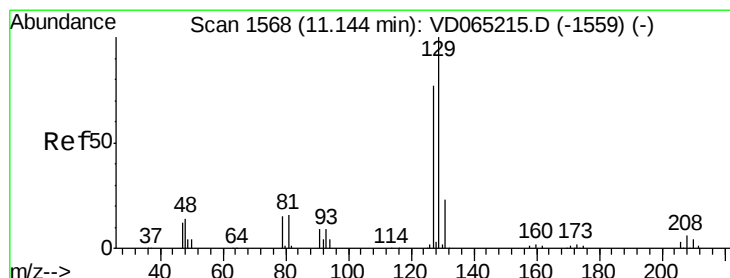
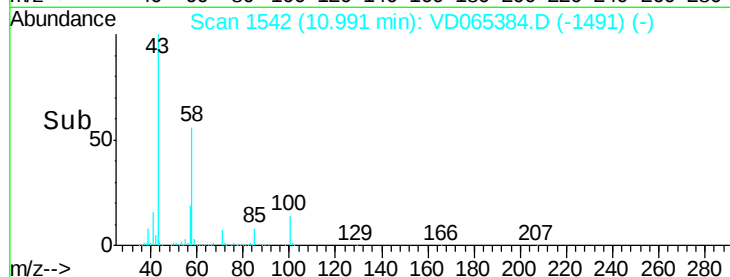
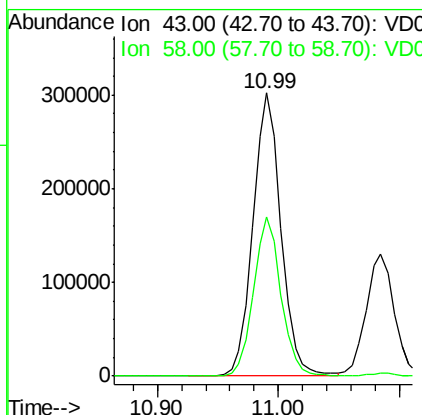
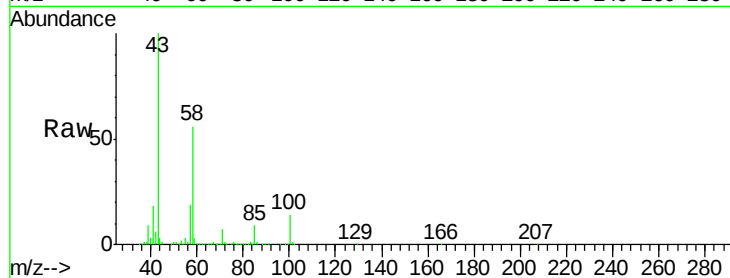
#59
2-Hexanone
Concen: 273.277 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	26.3	78.8

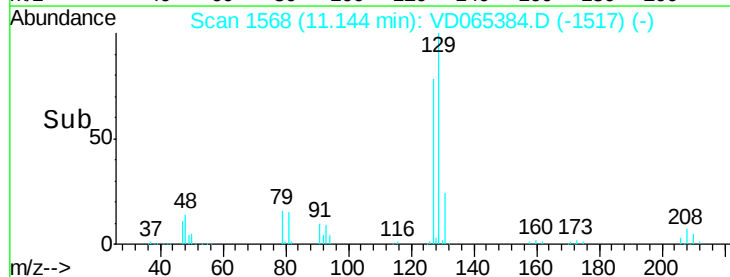
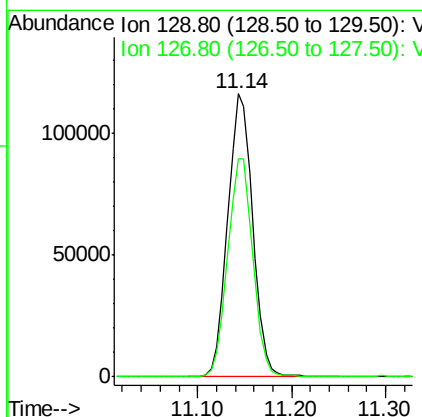
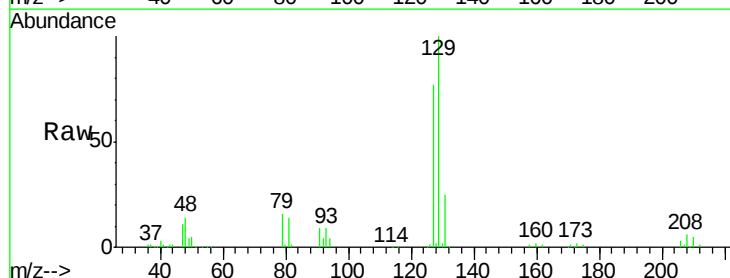
Manual Integrations
APPROVED

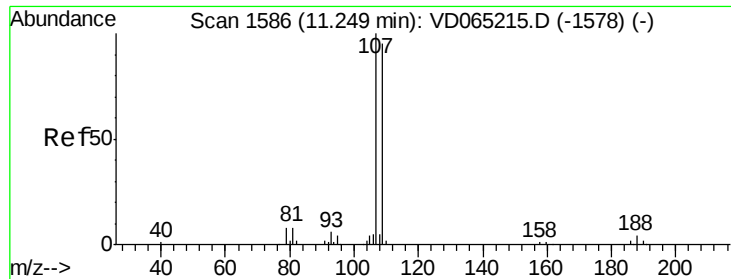
MMDadoda
3/4/2020 2:01:19 PM



#60
Dibromochloromethane
Concen: 50.997 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.7	116.1





#61

1,2-Dibromoethane

Concen: 51.672 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 160761

Ion Ratio Lower Upper

107 100

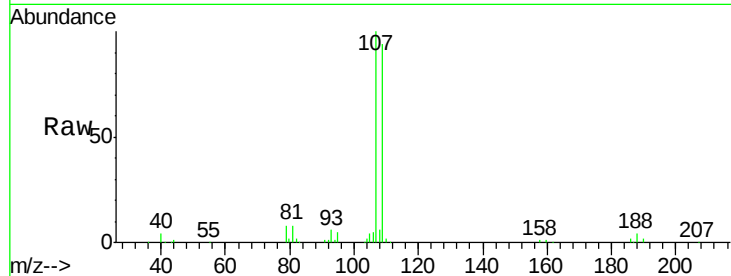
109 95.6 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

3/4/2020 2:01:19 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

100000

80000

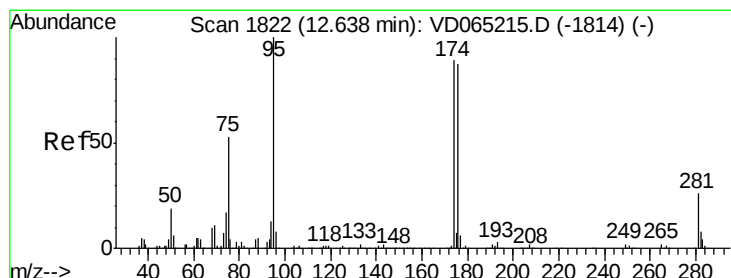
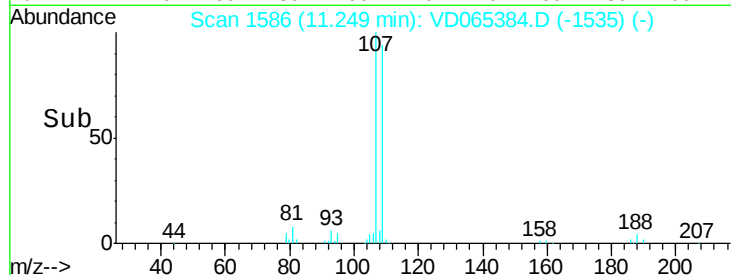
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.923 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

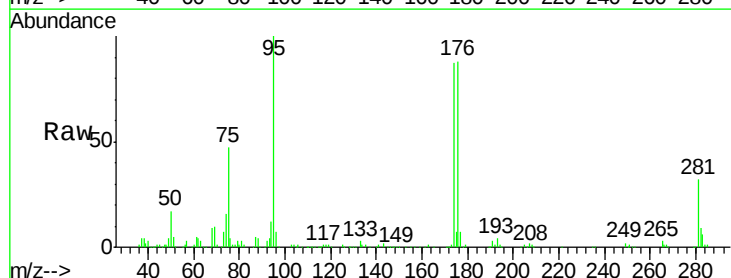
Tgt Ion: 95 Resp: 259655

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.0

176 87.9 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

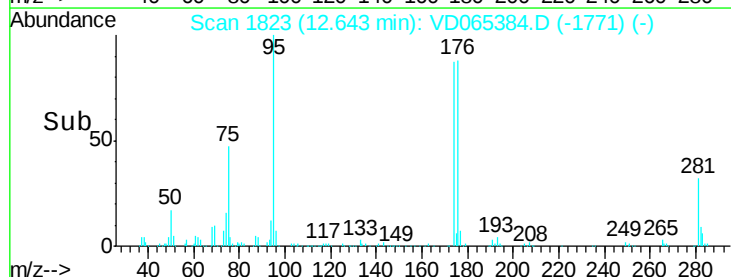
150000

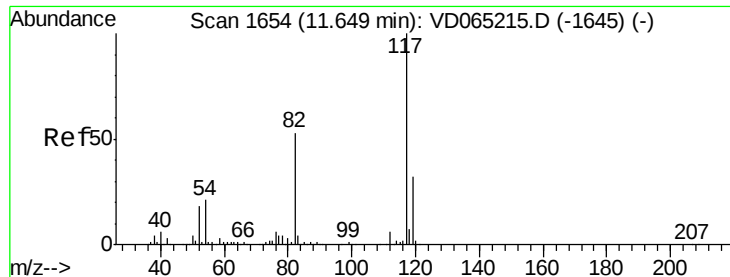
100000

50000

0

Time-->





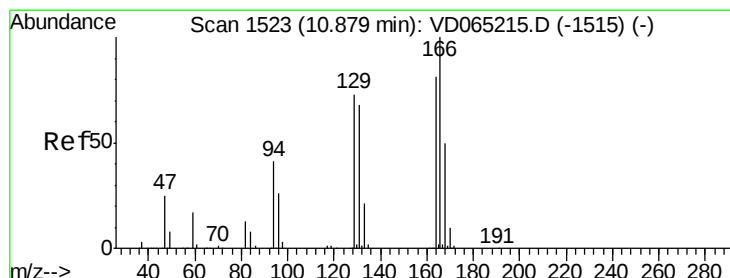
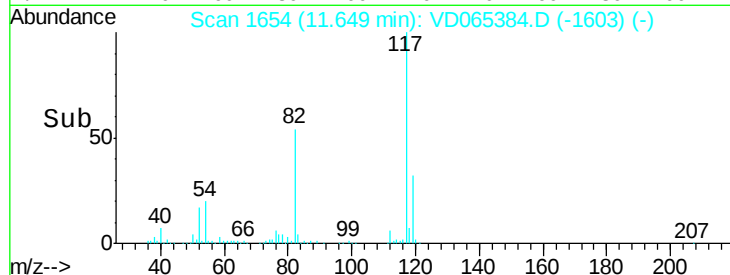
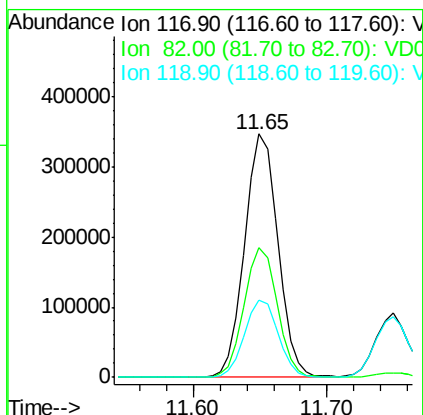
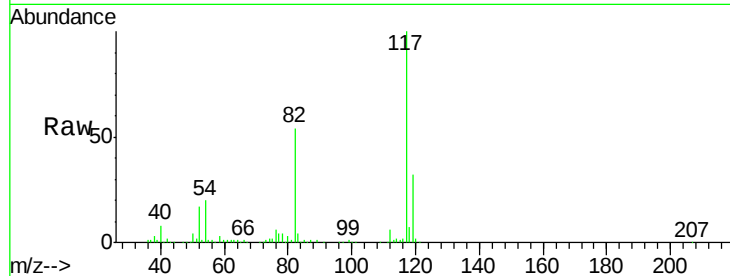
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.7	64.1
119	31.7	25.5	38.3

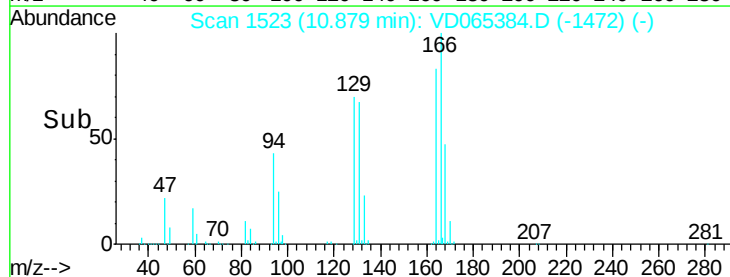
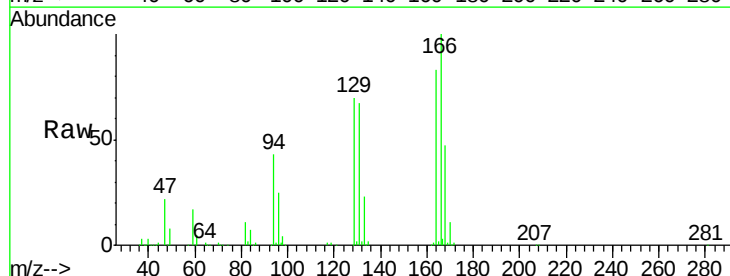
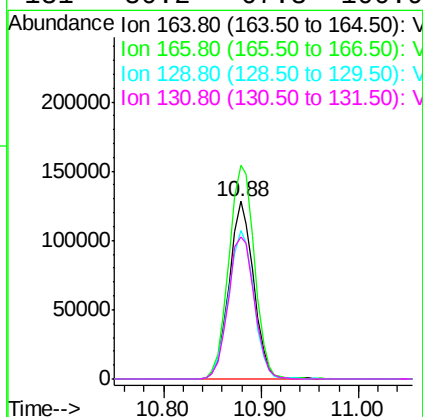
Manual Integrations
APPROVED

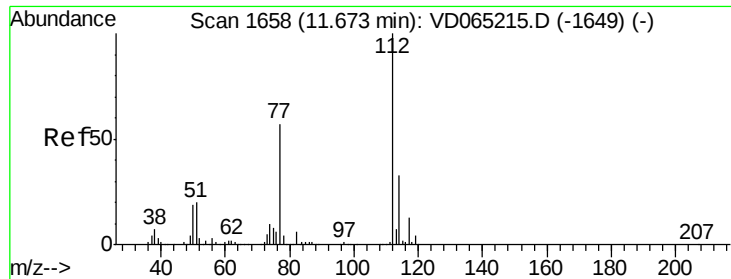
MMDadoda
3/4/2020 2:01:19 PM



#64
Tetrachloroethene
Concen: 52.560 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	98.4	147.6
129	84.0	71.6	107.4
131	80.2	67.3	100.9





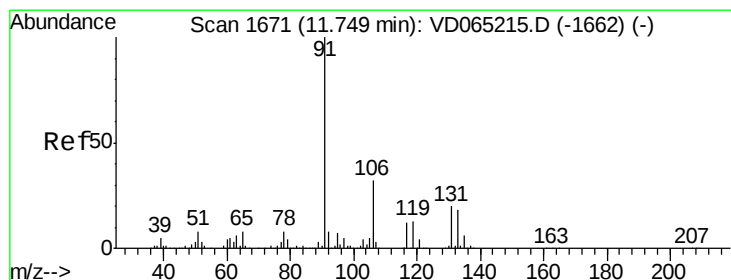
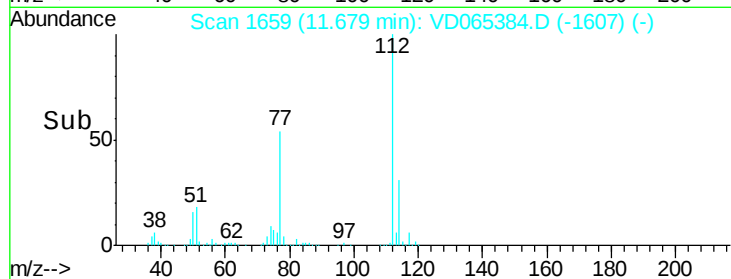
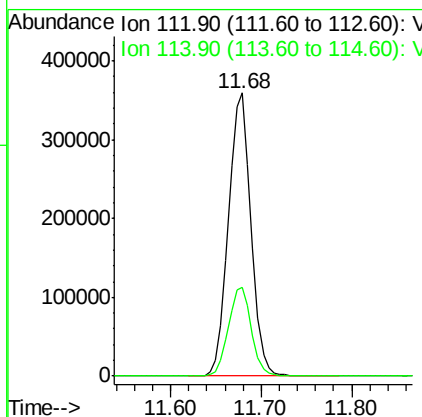
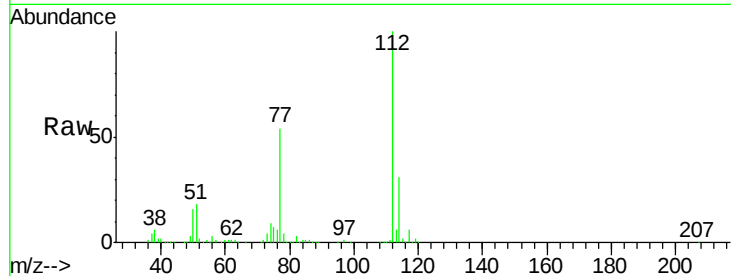
#65
Chlorobenzene
Concen: 51.861 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.4	39.6

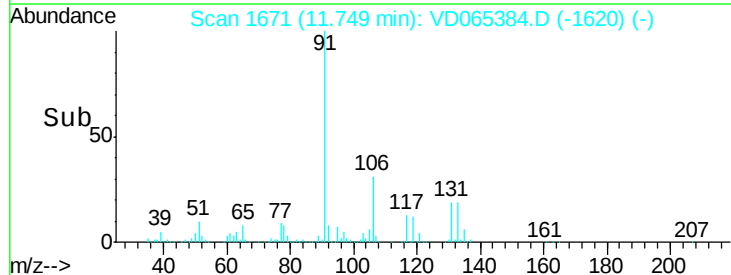
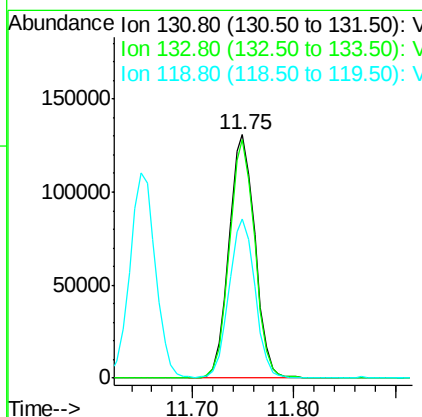
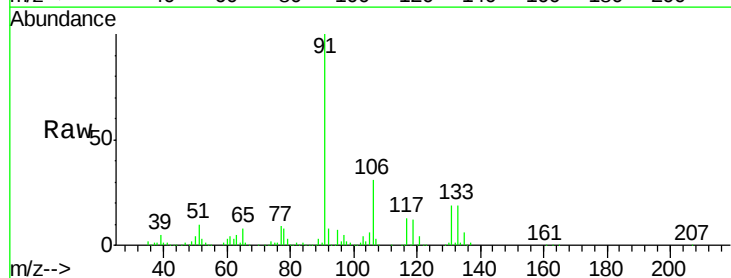
Manual Integrations
APPROVED

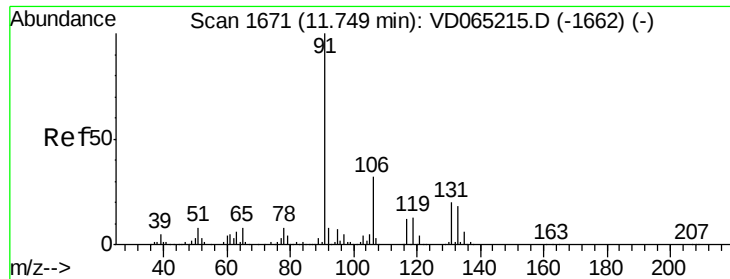
MMDadoda
3/4/2020 2:01:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.900 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	65.4	32.7	98.1





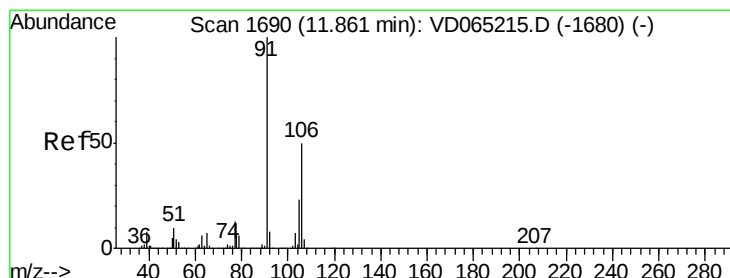
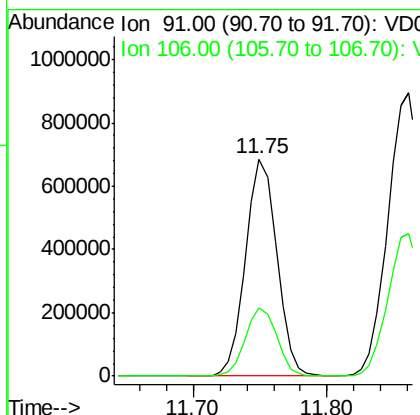
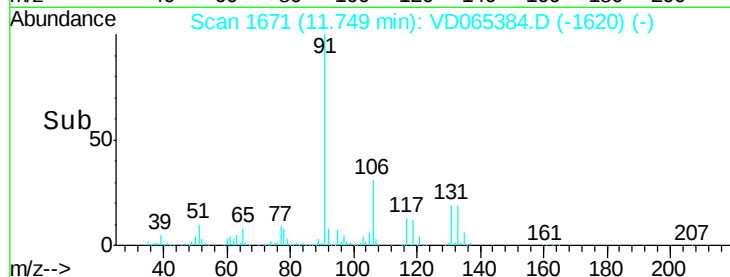
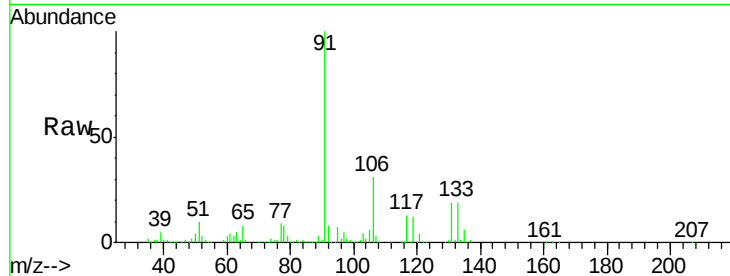
#67
Ethyl Benzene
Concen: 52.991 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1111961
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

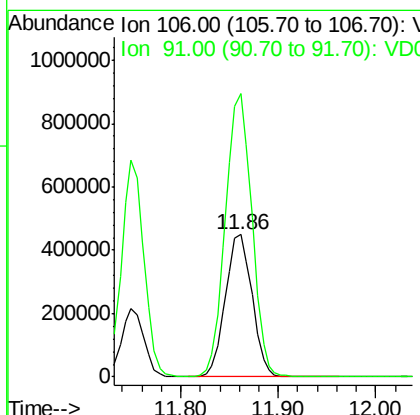
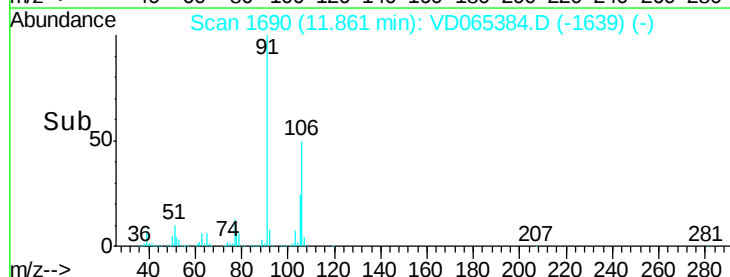
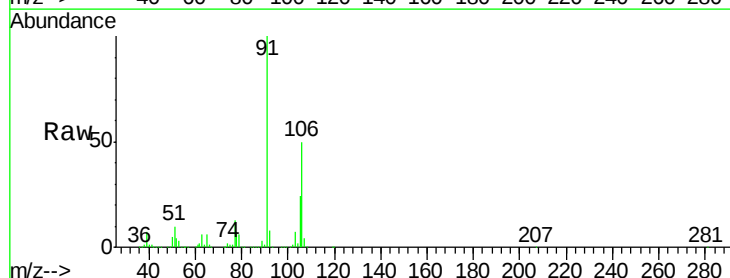
Manual Integrations
APPROVED

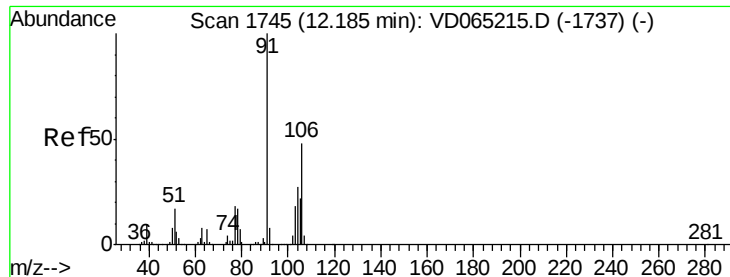
MMDadoda
3/4/2020 2:01:19 PM



#68
m/p-Xylenes
Concen: 106.490 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion: 106 Resp: 854936
Ion Ratio Lower Upper
106 100
91 197.6 158.2 237.4





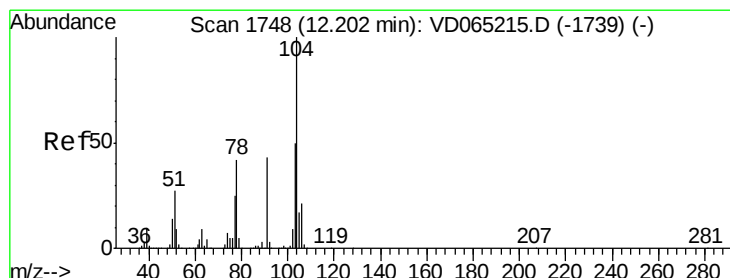
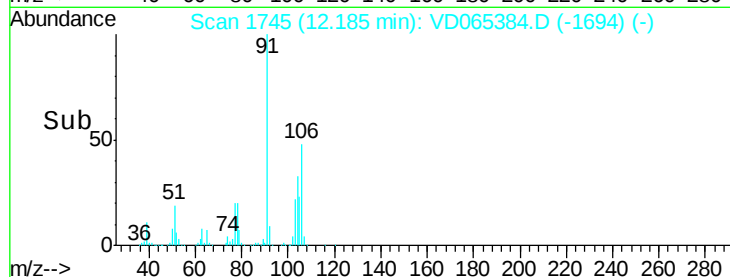
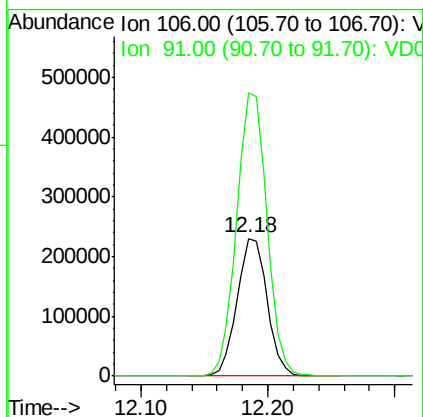
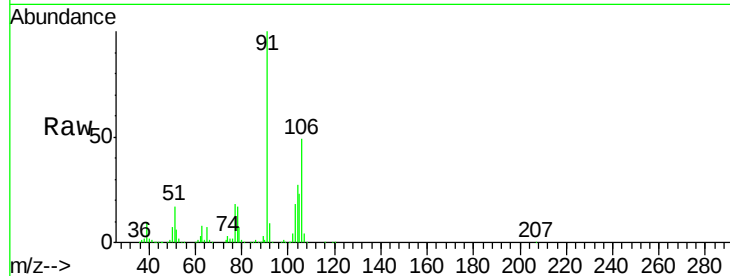
#69
o-Xylene
Concen: 53.292 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	104.7	313.9

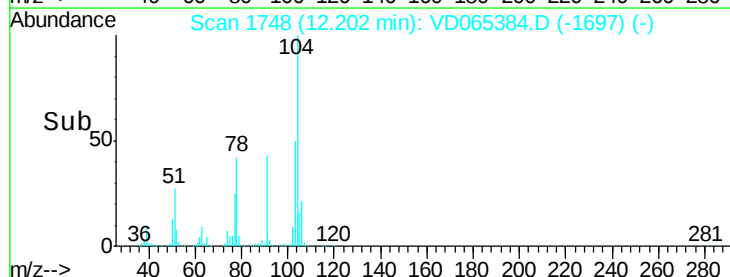
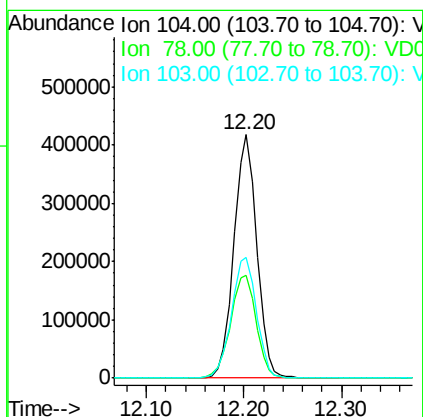
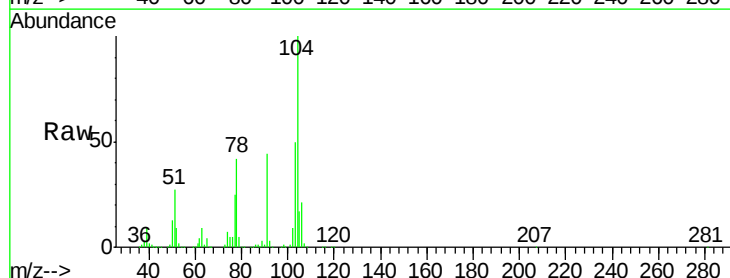
Manual Integrations
APPROVED

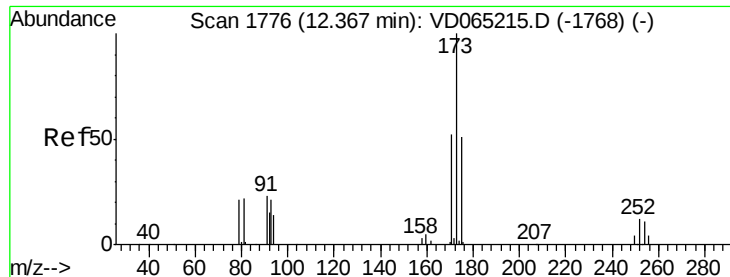
MMDadoda
3/4/2020 2:01:19 PM



#70
Styrene
Concen: 53.981 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.6
103	54.4	43.4	65.2





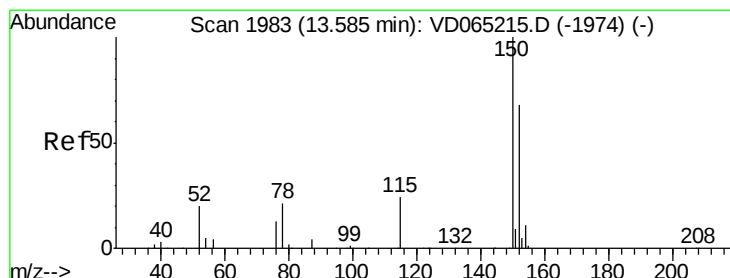
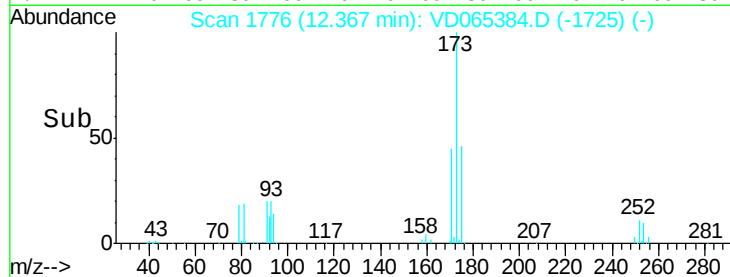
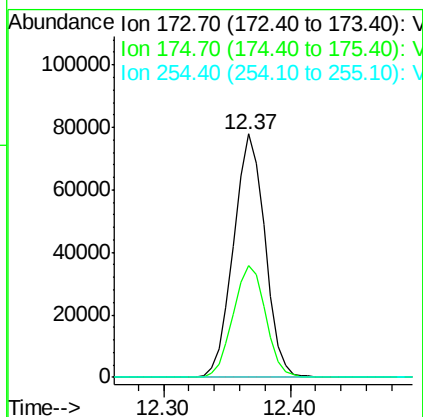
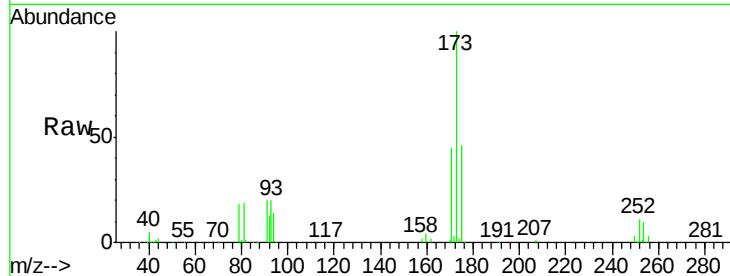
#71
Bromoform
Concen: 53.860 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.4
254	0.1	0.0	0.0

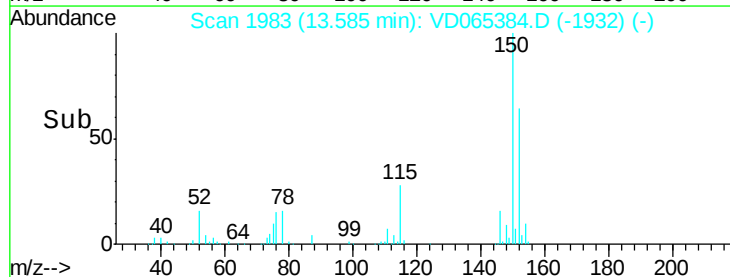
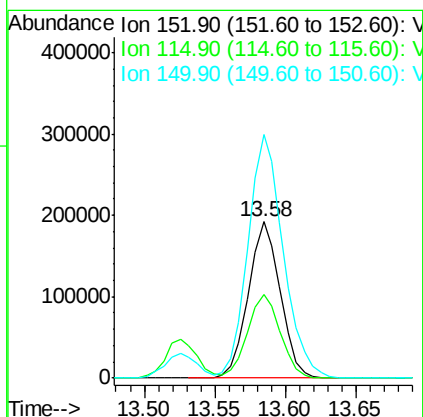
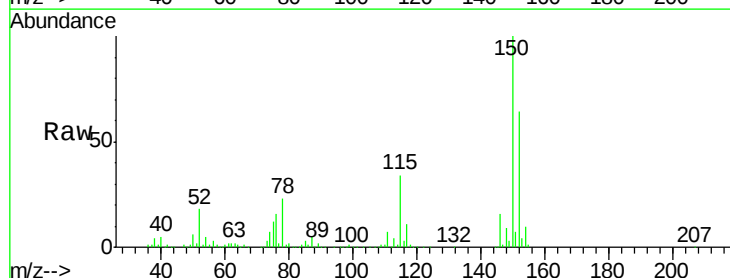
Manual Integrations
APPROVED

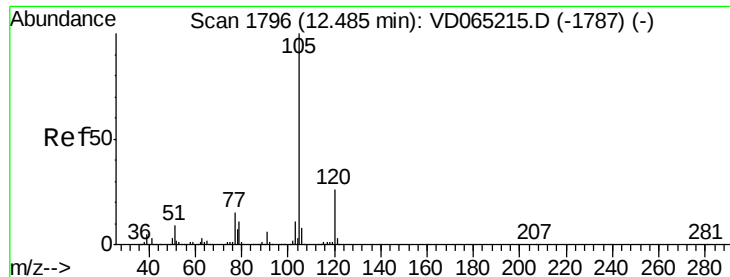
MMDadoda
3/4/2020 2:01:19 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.8
150	172.8	0.0	347.4





#73

Isopropylbenzene

Concen: 52.769 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1062197

Ion Ratio Lower Upper

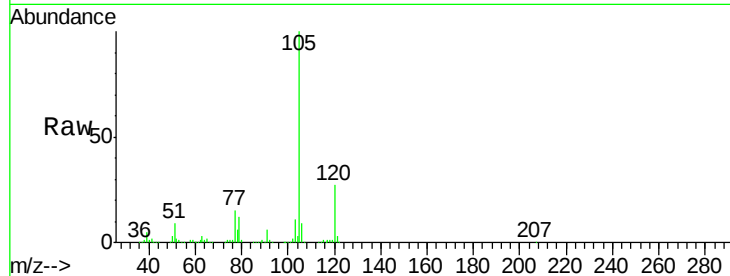
105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

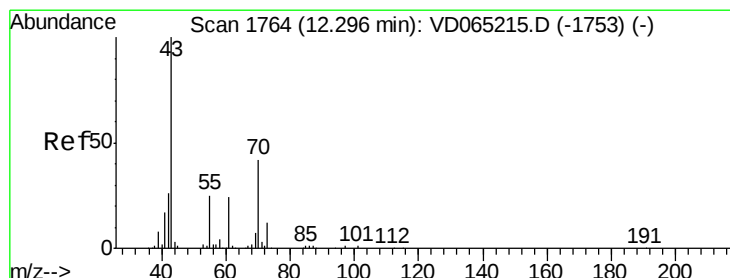
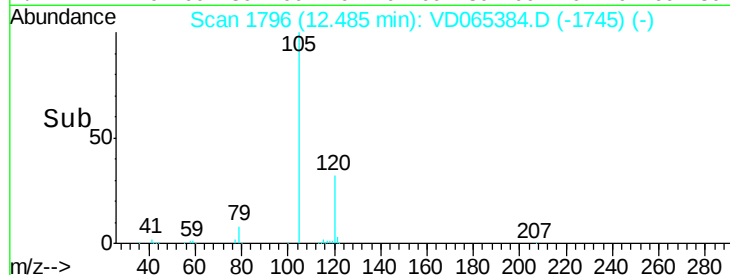
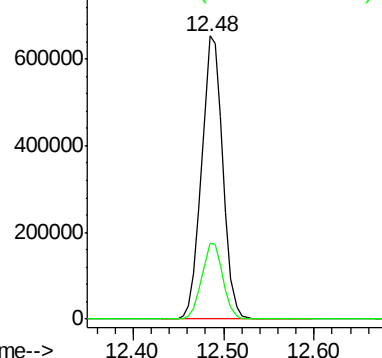
MMDadoda

3/4/2020 2:01:19 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.065 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion: 43 Resp: 219457

Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 27.2 20.7 31.1

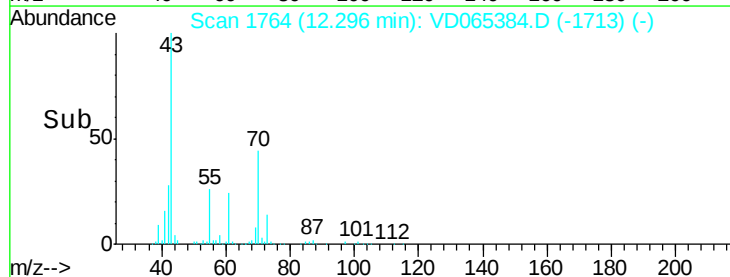
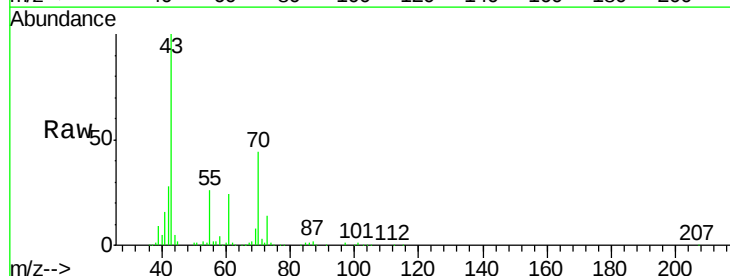
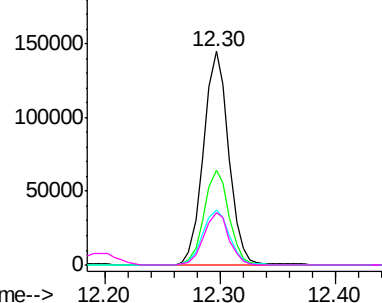
61 24.3 19.0 28.4

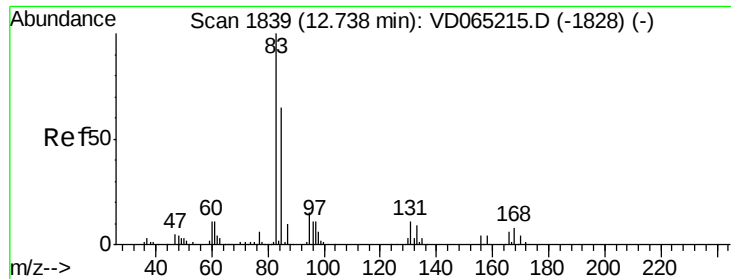
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.533 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

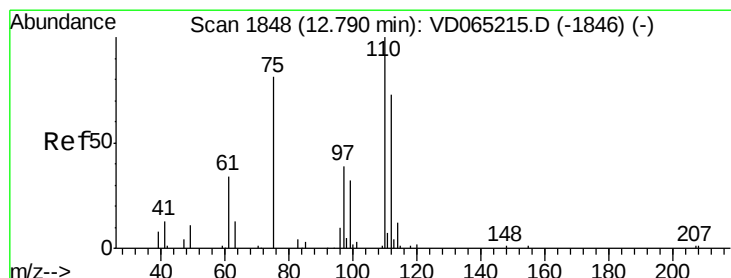
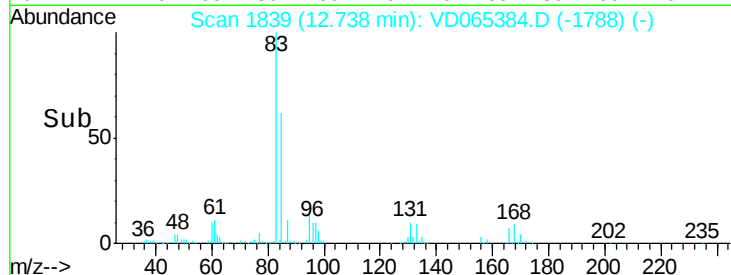
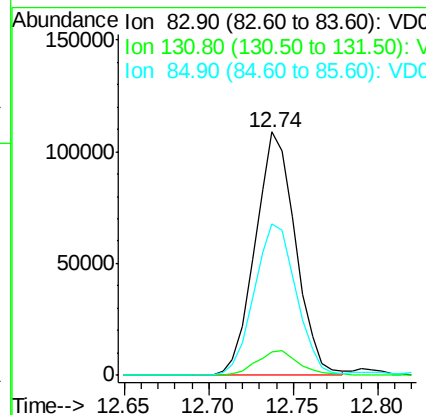
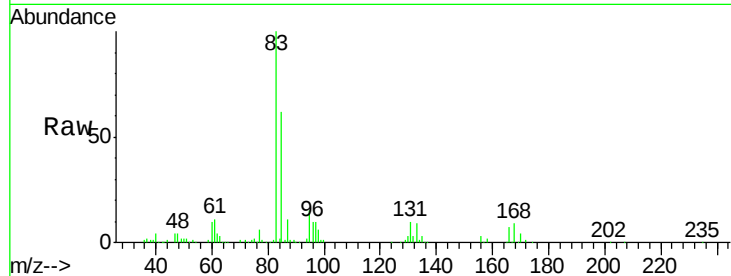
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	179948
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.7	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 47.165 ug/l m

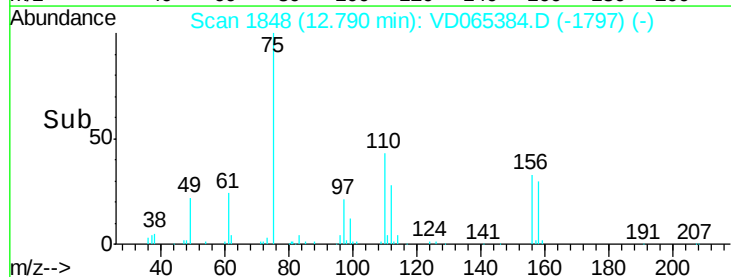
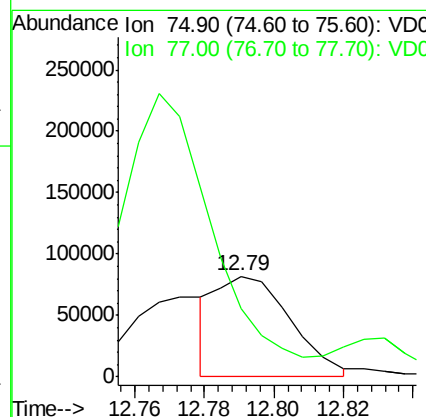
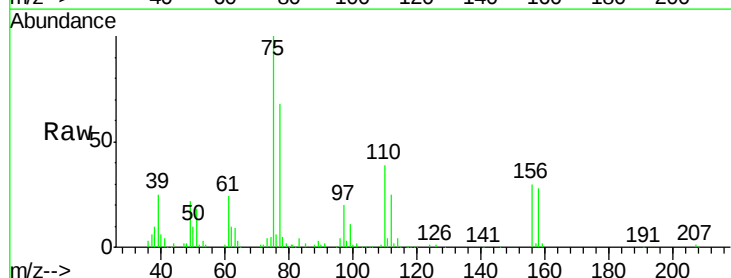
RT: 12.79 min Scan# 1848

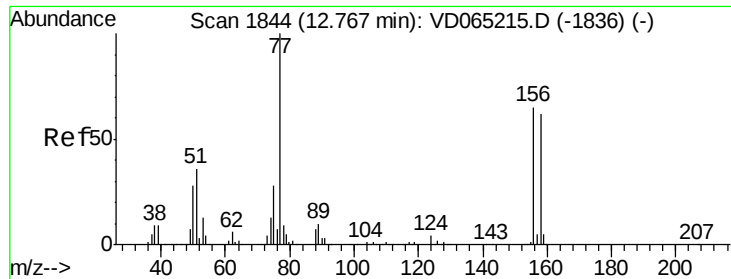
Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Tgt Ion:	75	Resp:	122011
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





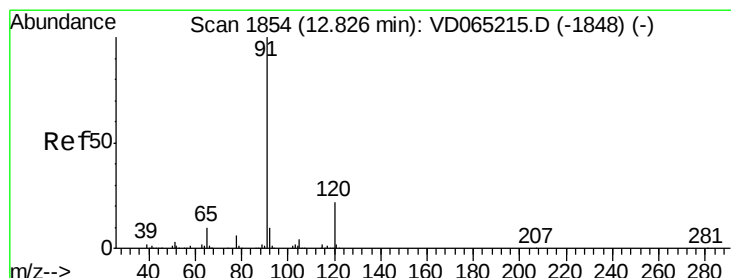
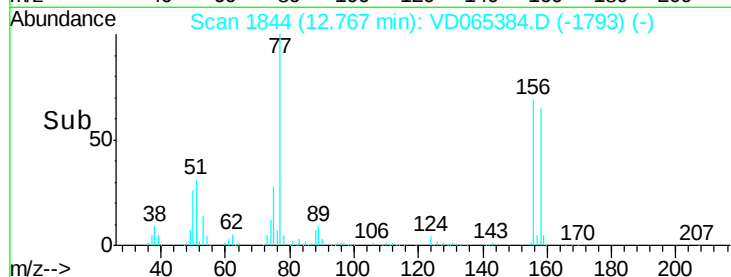
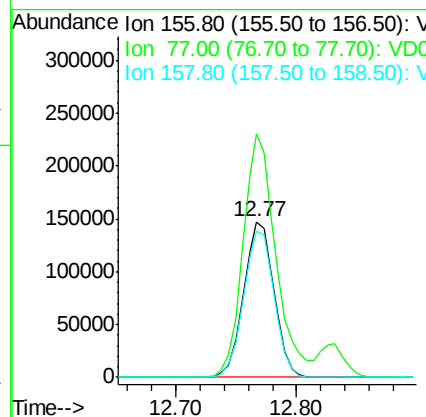
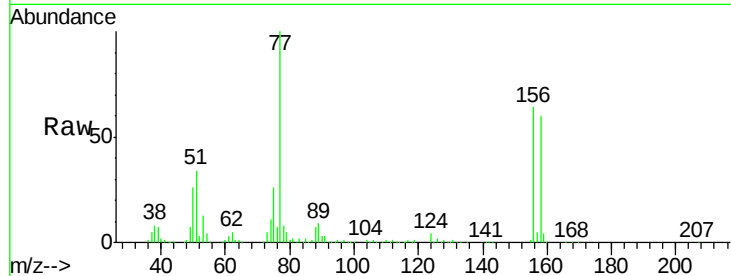
#77
Bromobenzene
Concen: 51.406 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.9	86.6	259.7
158	95.2	48.1	144.3

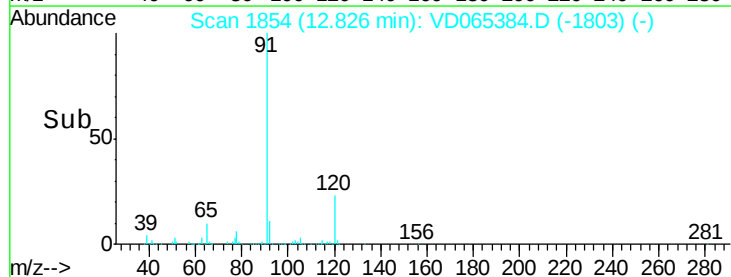
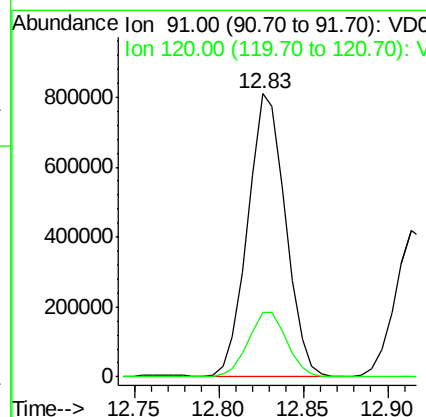
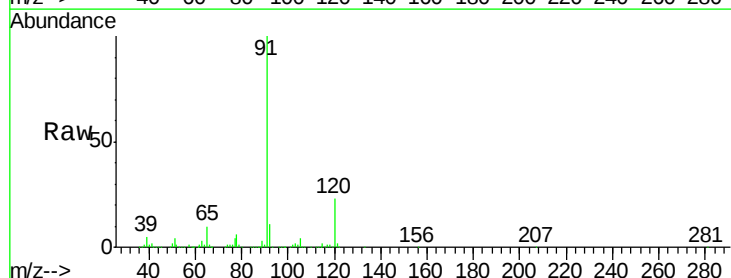
Manual Integrations
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#78
n-propylbenzene
Concen: 52.137 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.499 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 684319

Ion Ratio Lower Upper

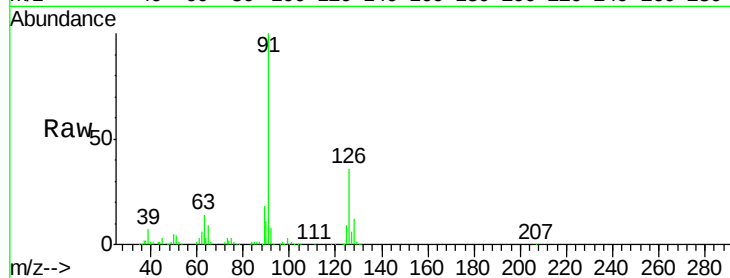
91 100

126 35.7 17.5 52.6

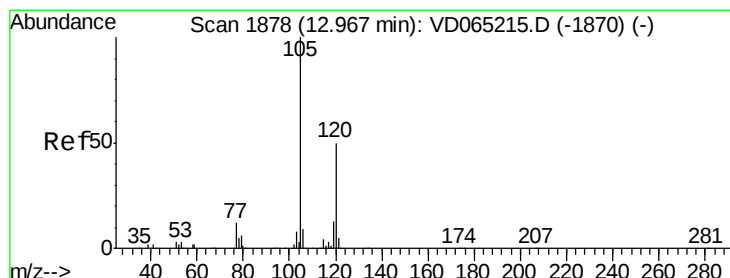
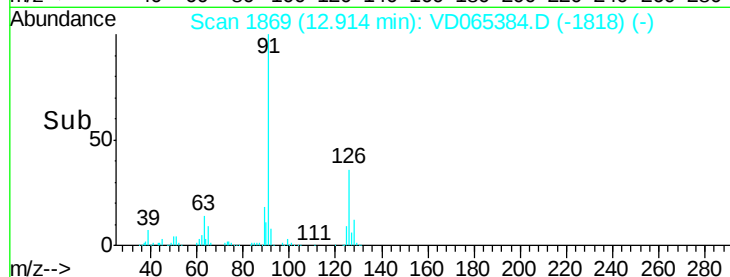
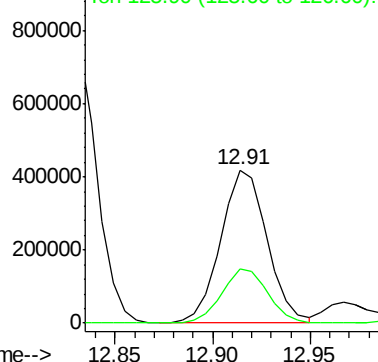
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.195 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065384.D

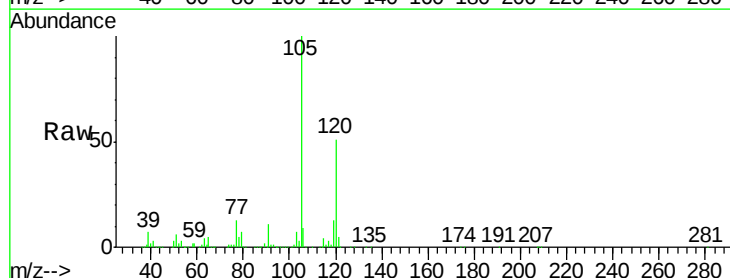
Acq: 03 Mar 2020 10:08

Tgt Ion: 105 Resp: 865340

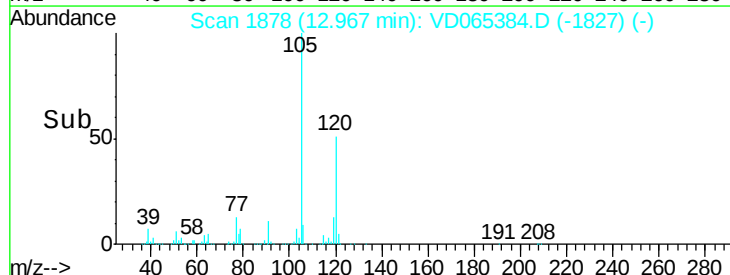
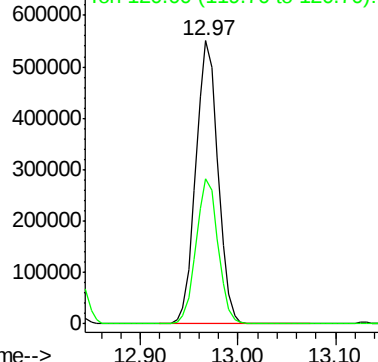
Ion Ratio Lower Upper

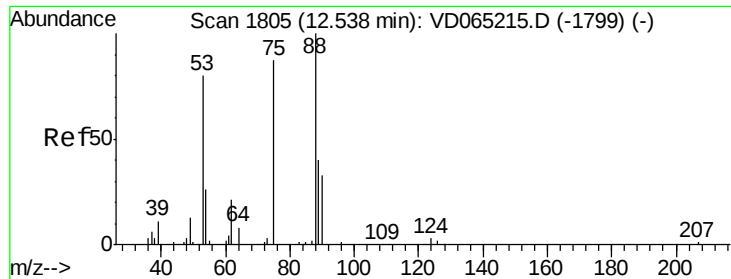
105 100

120 51.1 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





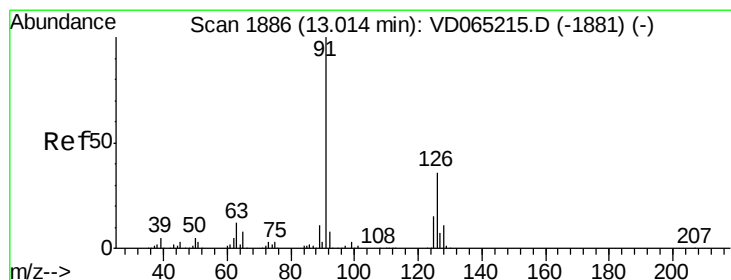
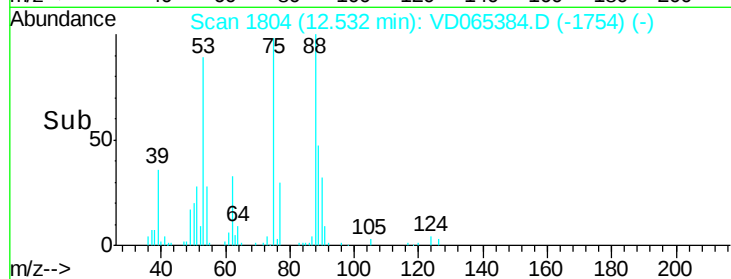
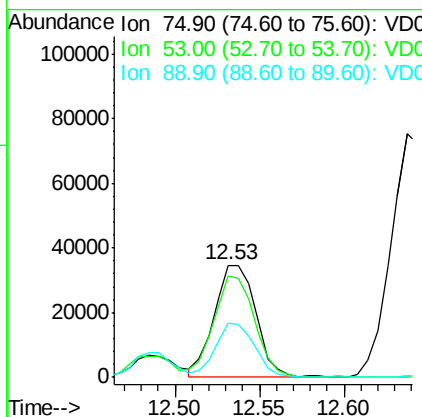
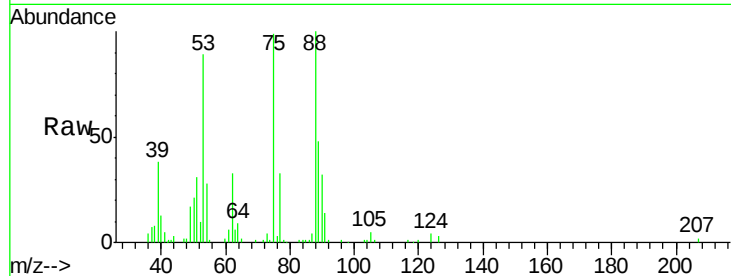
#81
trans-1,4-Dichloro-2-butene
Concen: 48.859 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	77.6	116.4
89	46.8	37.2	55.8

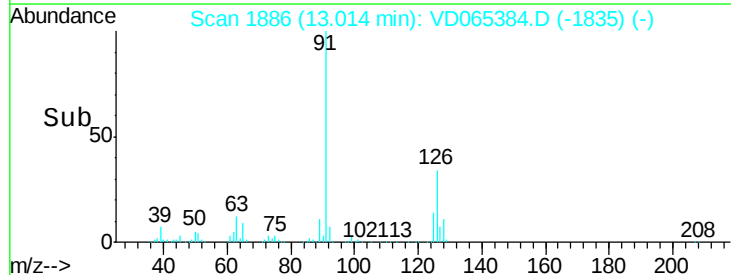
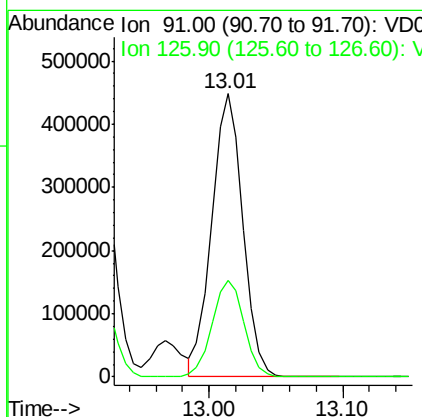
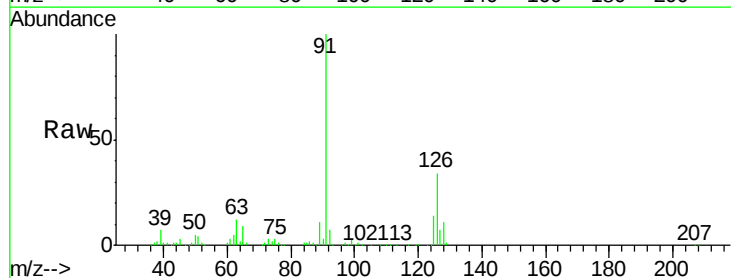
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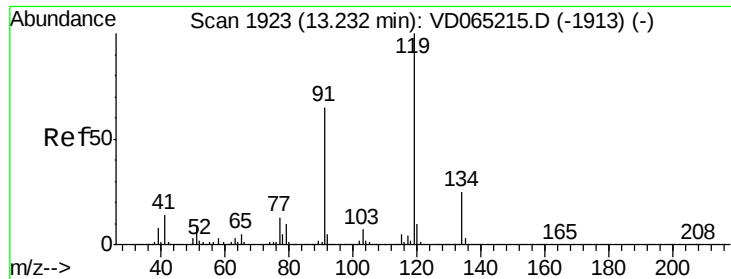
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#82
4-Chlorotoluene
Concen: 50.636 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





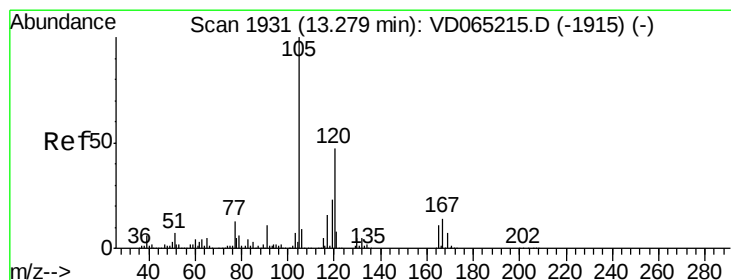
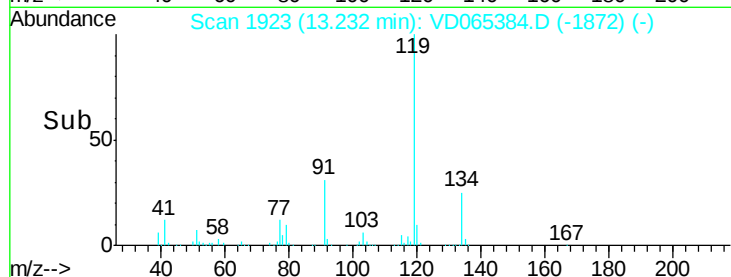
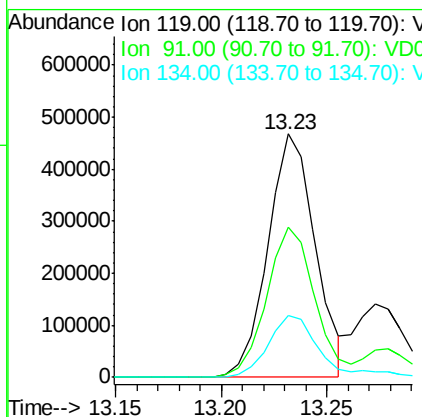
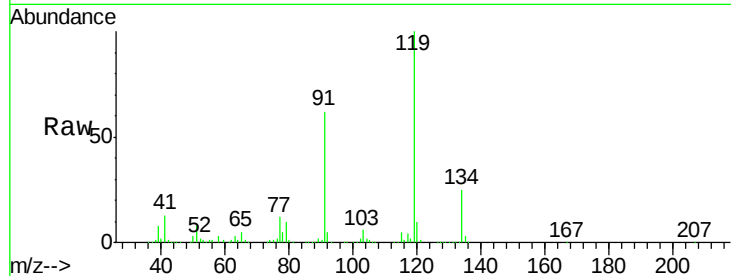
#83
tert-Butylbenzene
Concen: 52.524 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.9	95.5
134	28.0	13.8	41.3

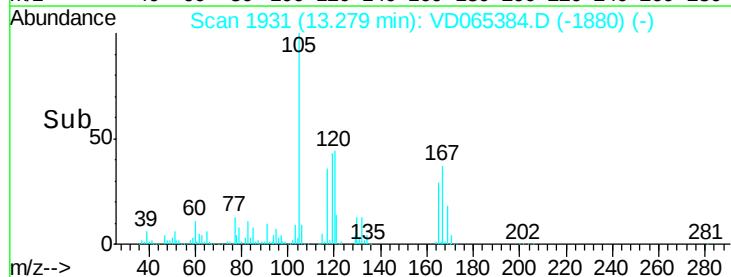
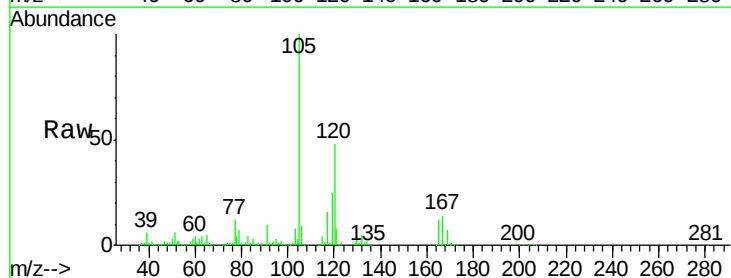
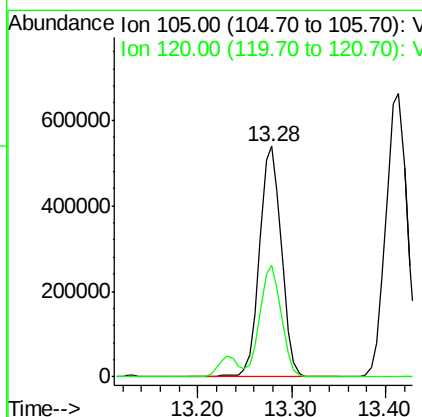
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#84
1,2,4-Trimethylbenzene
Concen: 52.096 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.9





#85

sec-Butylbenzene

Concen: 52.319 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1047551

Ion Ratio Lower Upper

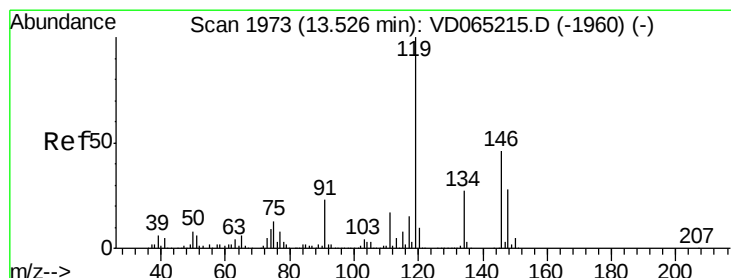
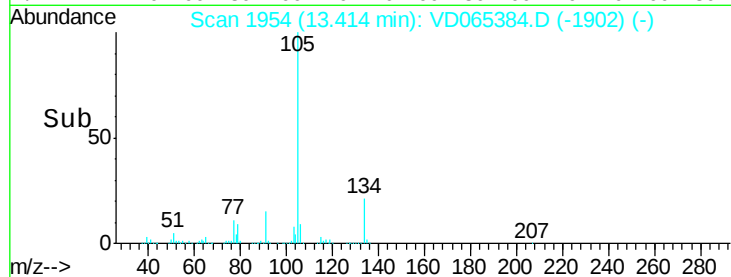
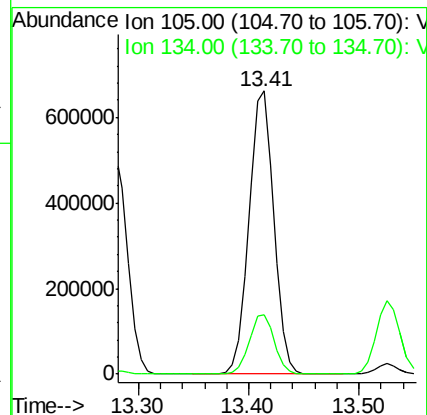
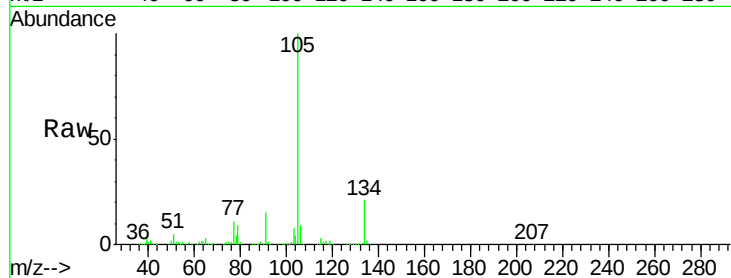
105 100

134 21.1 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.861 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065384.D

Acq: 03 Mar 2020 10:08

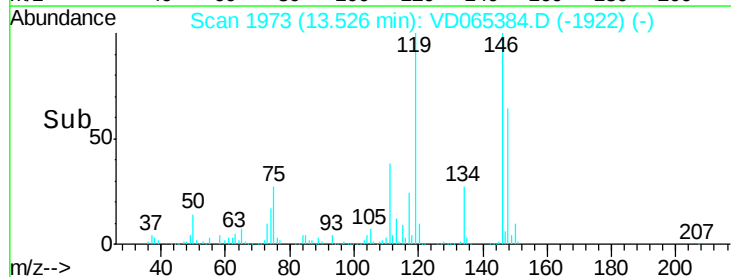
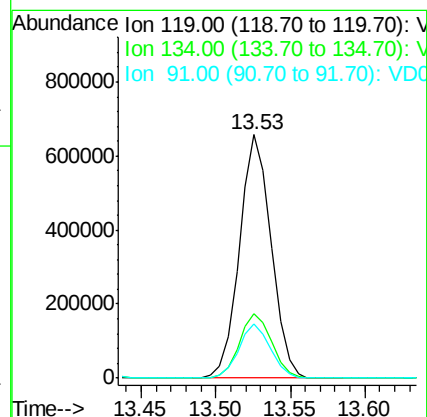
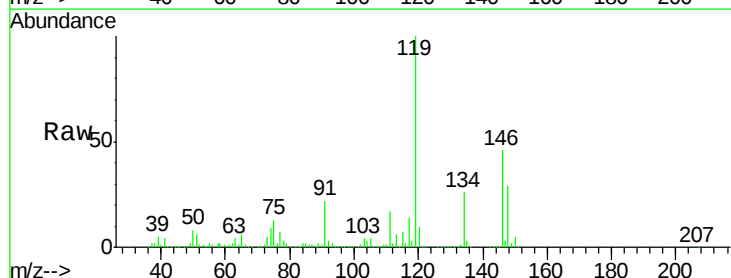
Tgt Ion:119 Resp: 967898

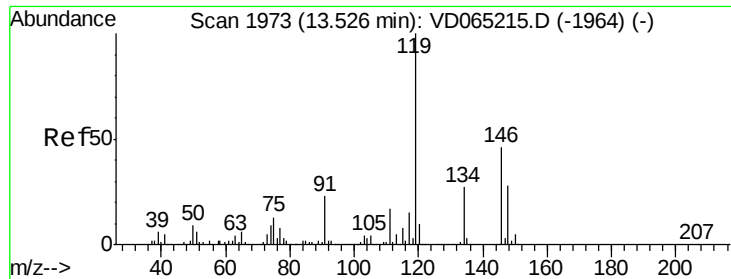
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 21.9 11.1 33.1





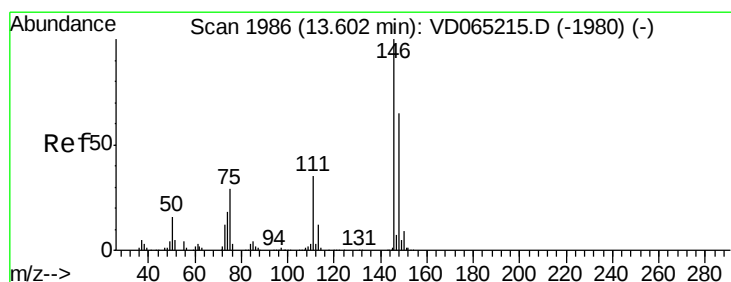
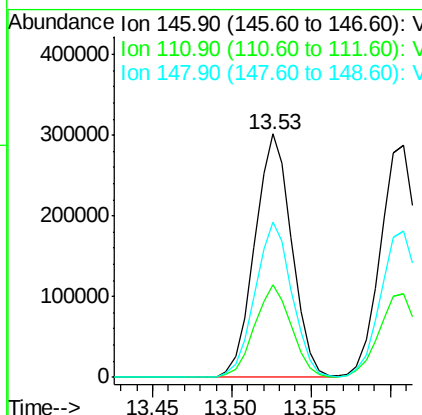
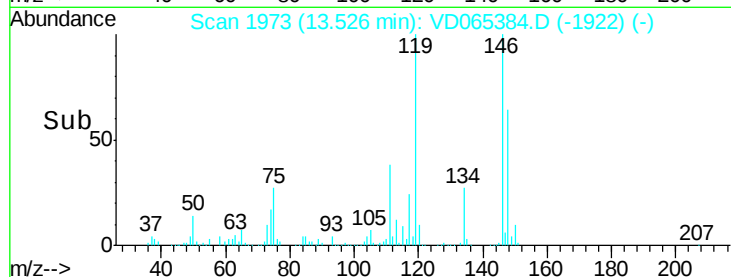
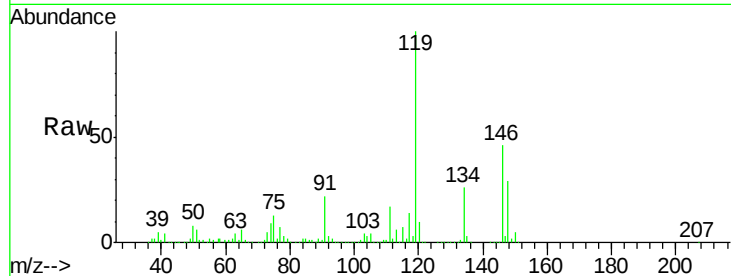
#87
 1,3-Dichlorobenzene
 Concen: 50.616 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	63.6	31.4	94.3

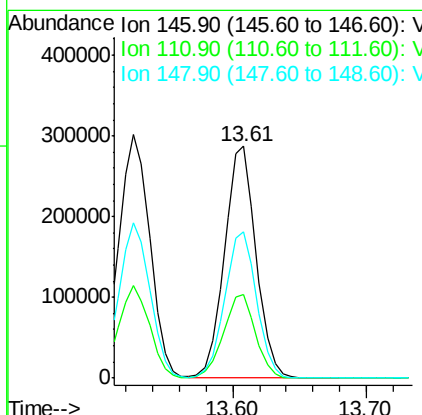
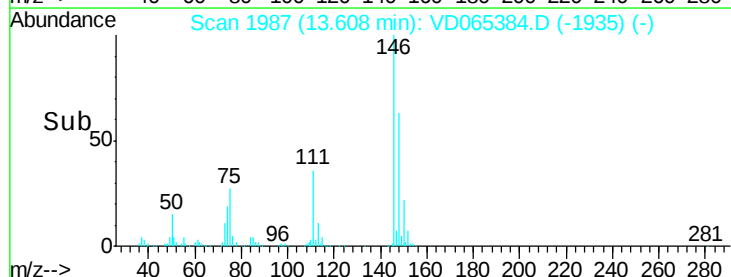
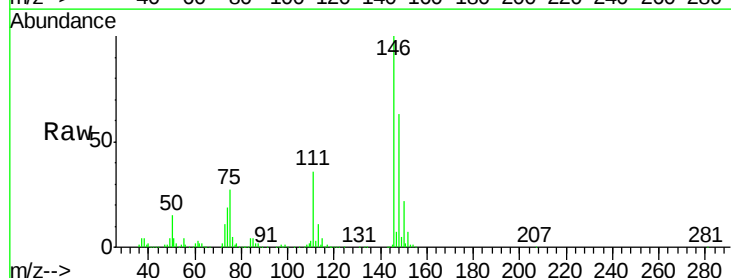
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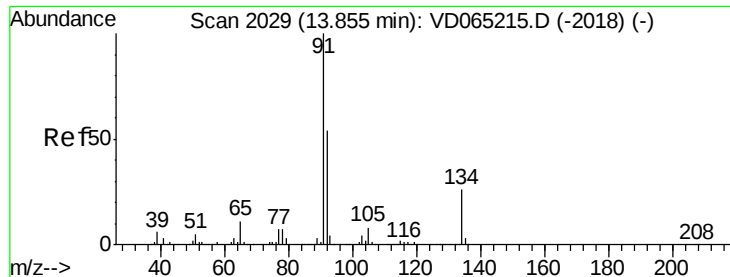
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#88
 1,4-Dichlorobenzene
 Concen: 49.730 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	63.6	32.1	96.5





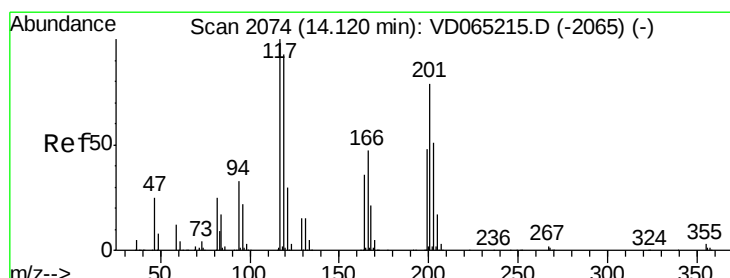
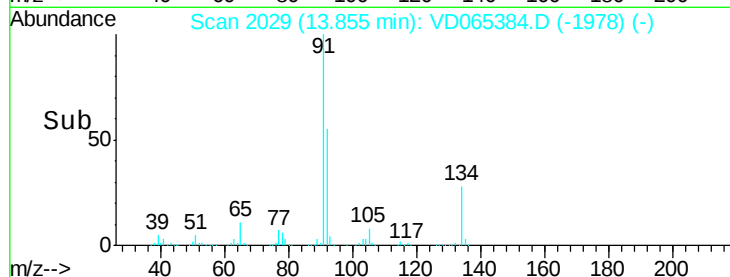
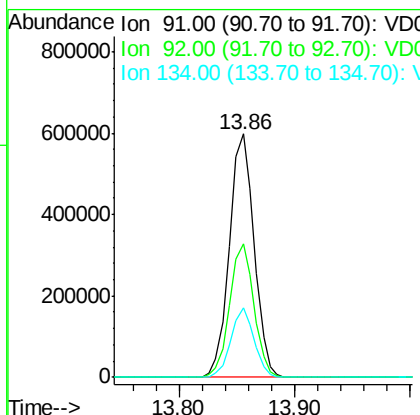
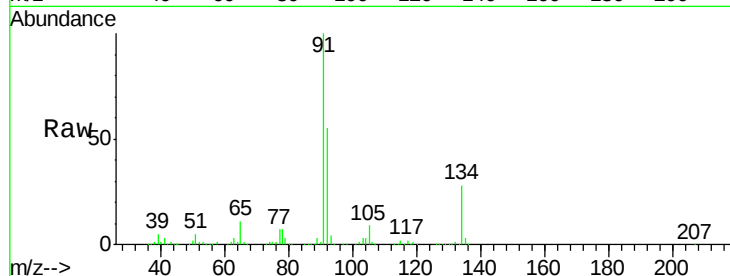
#89
n-Butylbenzene
Concen: 52.594 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	80.8
134	26.8	13.5	40.4

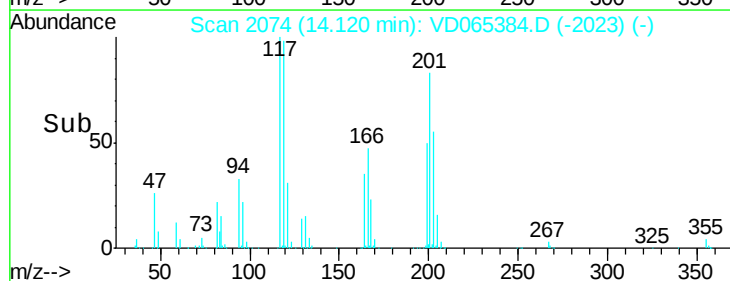
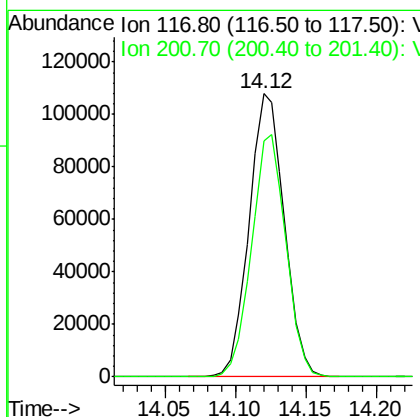
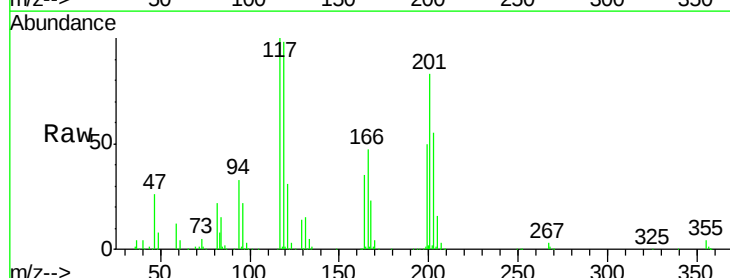
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#90
Hexachloroethane
Concen: 50.803 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.3	124.1





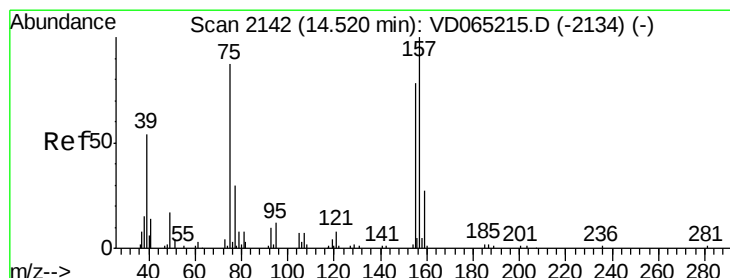
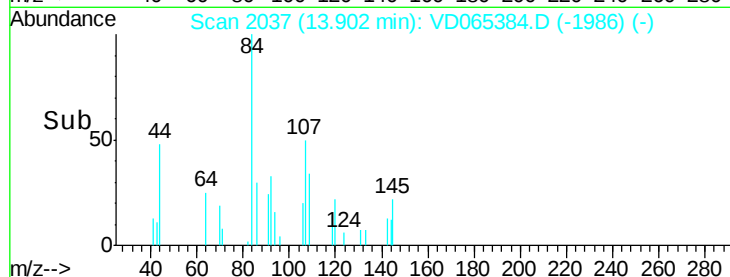
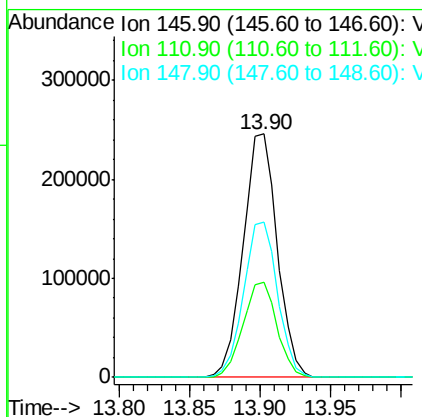
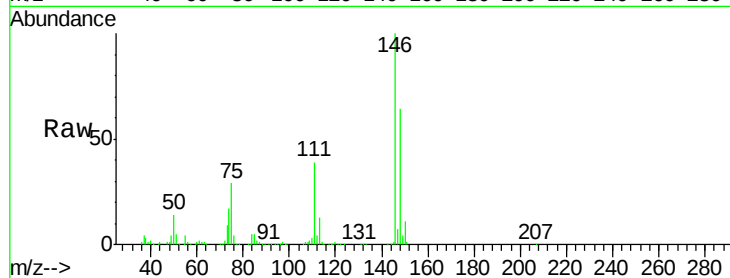
#91
 1,2-Dichlorobenzene
 Concen: 50.209 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.6	32.0	96.2

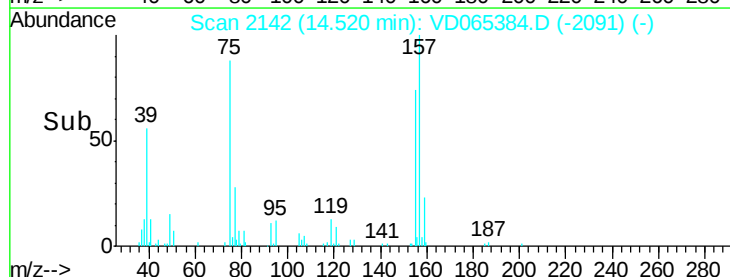
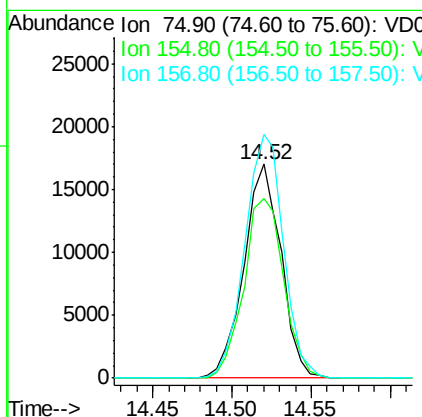
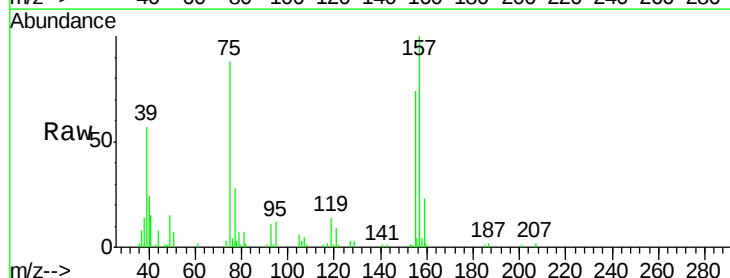
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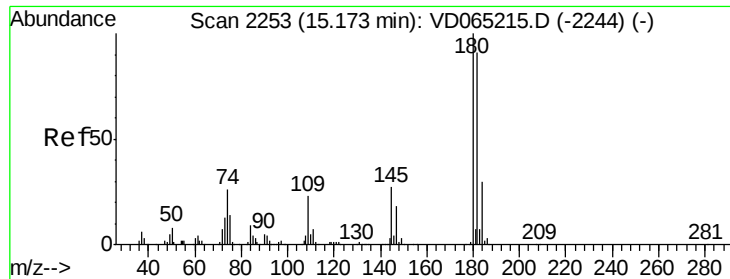
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.459 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	42.3	126.9
157	118.5	56.7	170.1





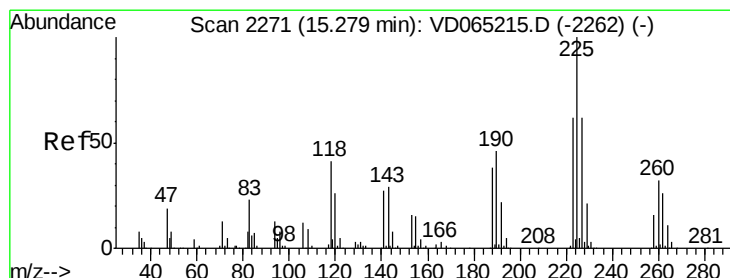
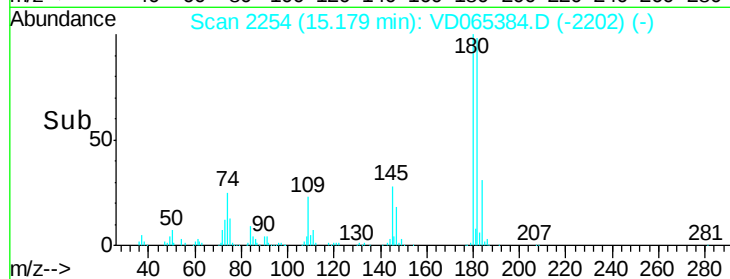
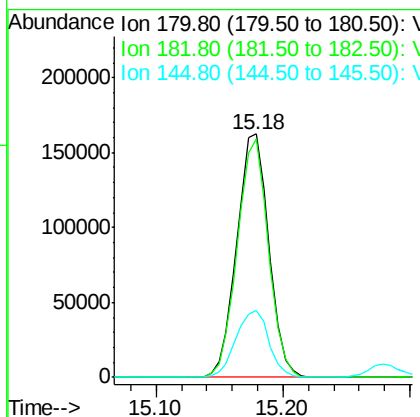
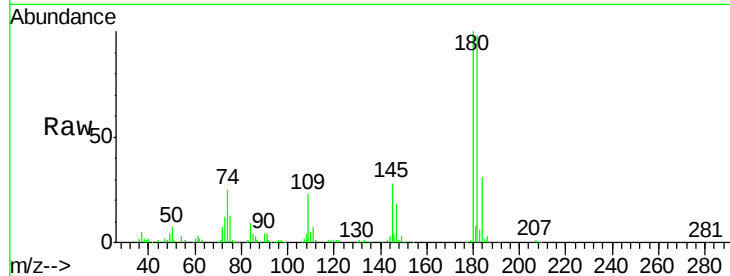
#93
 1,2,4-Trichlorobenzene
 Concen: 52.311 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283905		
182	94.9	46.9	140.6	
145	28.3	13.9	41.7	

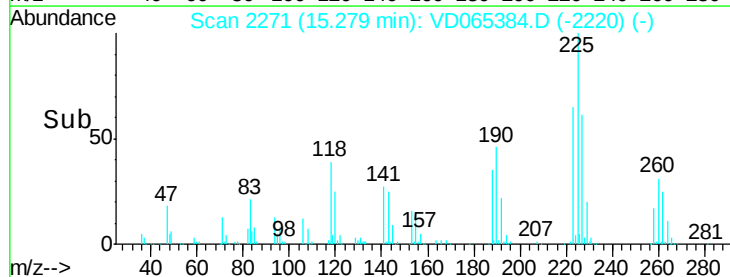
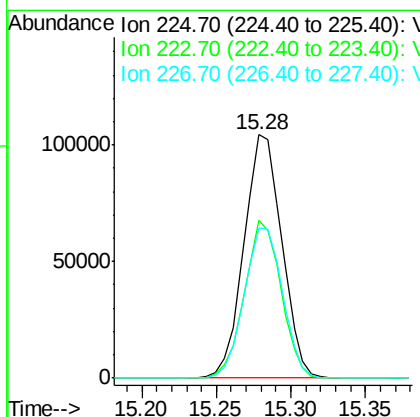
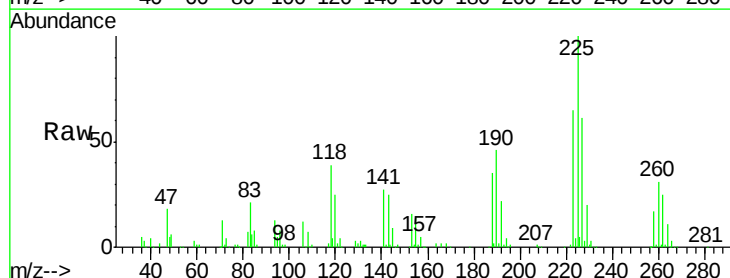
Manual Integrations
 APPROVED

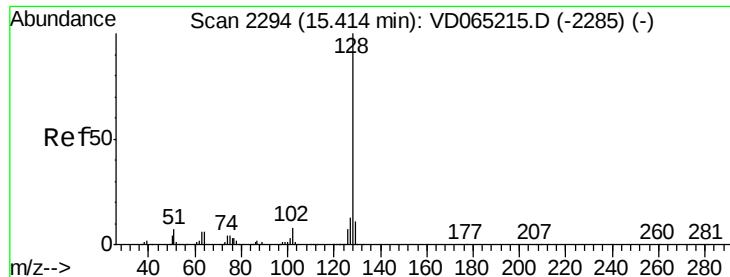
MMDadoda
 3/4/2020 2:01:19 PM



#94
 Hexachlorobutadiene
 Concen: 52.483 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065384.D
 Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182717		
223	62.5	31.4	94.2	
227	62.7	31.7	95.1	





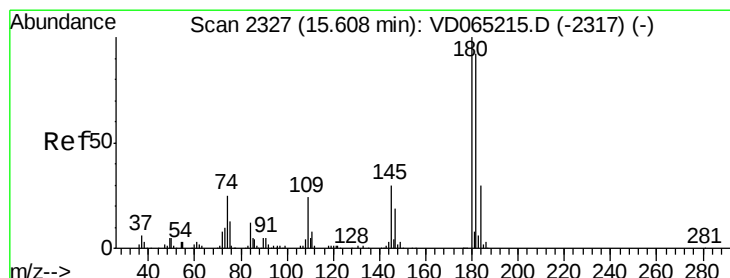
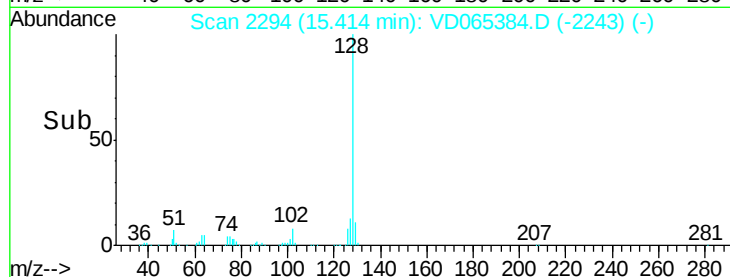
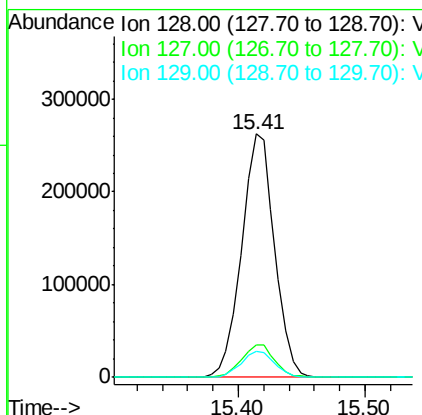
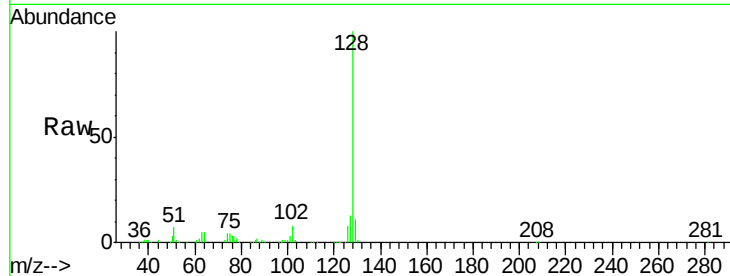
#95
Naphthalene
Concen: 53.505 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.702 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065384.D
Acq: 03 Mar 2020 10:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	46.9	140.6
145	31.9	15.4	46.1

