

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065372.D
 Acq On : 02 Mar 2020 11:47
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:04 AM

Quant Time: Mar 02 13:20:00 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	7.99	168	472826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	644887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209457	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	7.92	113	223104	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.34	98	852576	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.64	95	278283	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69222	17.455	ug/l	96
3) Chloromethane	2.21	50	90534	17.936	ug/l	99
4) Vinyl Chloride	2.35	62	91164	17.761	ug/l	99
5) Bromomethane	2.76	94	59217	19.081	ug/l	98
6) Chloroethane	2.92	64	57985	18.507	ug/l	97
7) Trichlorofluoromethane	3.27	101	143855	19.576	ug/l	97
8) Diethyl Ether	3.71	74	44973	20.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93009	20.042	ug/l	98
10) Methyl Iodide	4.30	142	90069	18.693	ug/l	99
11) Tert butyl alcohol	5.24	59	30410	119.641	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	85374	19.475	ug/l	97
13) Acrolein	3.93	56	34659	92.941	ug/l	97
14) Allyl chloride	4.71	41	134965	18.959	ug/l	98
15) Acrylonitrile	5.44	53	103120	105.002	ug/l	98
16) Acetone	4.17	43	94404	90.792	ug/l	96
17) Carbon Disulfide	4.40	76	269791	18.357	ug/l	96
18) Methyl Acetate	4.72	43	52716	22.542	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	180620	19.758	ug/l	98
20) Methylene Chloride	4.96	84	106862	20.353	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98938	19.853	ug/l	94
22) Diisopropyl ether	6.37	45	269517	19.639	ug/l	99
23) Vinyl Acetate	6.31	43	713214	94.268	ug/l	99
24) 1,1-Dichloroethane	6.27	63	166563	19.567	ug/l	96
25) 2-Butanone	7.22	43	123926	94.201	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144329	19.542	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102747	19.464	ug/l	99
28) Bromochloromethane	7.55	49	57592	18.237	ug/l	97
29) Tetrahydrofuran	7.57	42	78742	102.154	ug/l	99
30) Chloroform	7.71	83	170932	19.932	ug/l	97
31) Cyclohexane	7.99	56	156467	18.708	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	152446	19.868	ug/l	100
36) 1,1-Dichloropropene	8.11	75	133638	19.518	ug/l	99
37) Ethyl Acetate	7.30	43	56995	19.912	ug/l	98
38) Carbon Tetrachloride	8.10	117	137336	19.704	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155620	19.333	ug/l	97
40) Benzene	8.36	78	385765	19.961	ug/l	99
41) Methacrylonitrile	7.53	41	31358	18.974	ug/l	95
42) 1,2-Dichloroethane	8.43	62	103820	19.541	ug/l	98
43) Isopropyl Acetate	8.46	43	101013	19.407	ug/l	98
44) Trichloroethene	9.11	130	105992	19.785	ug/l	97
45) 1,2-Dichloropropane	9.39	63	97080	20.202	ug/l	100
46) Dibromomethane	9.48	93	50844	20.563	ug/l	97
47) Bromodichloromethane	9.67	83	132530	20.339	ug/l	98
48) Methyl methacrylate	9.46	41	46902	19.494	ug/l	96
49) 1,4-Dioxane	9.46	88	11889	409.974	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	263884	99.816	ug/l	100
52) Toluene	10.41	92	246717	20.624	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	120601	19.968	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	148868	20.412	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	71617	20.579	ug/l	96
56) Ethyl methacrylate	10.67	69	78918	19.647	ug/l	99
57) 1,3-Dichloropropane	10.95	76	121803	20.564	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	125059	98.752	ug/l	98
59) 2-Hexanone	10.99	43	186066	98.319	ug/l	97
60) Dibromochloromethane	11.15	129	92289	20.719	ug/l	99
61) 1,2-Dibromoethane	11.26	107	68868	20.900	ug/l	99
64) Tetrachloroethene	10.88	164	94105	20.575	ug/l	99
65) Chlorobenzene	11.68	112	264006	20.400	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96474	19.977	ug/l	98
67) Ethyl Benzene	11.75	91	451787	19.933	ug/l	98
68) m/p-Xylenes	11.86	106	352013	40.594	ug/l	100
69) o-Xylene	12.19	106	156690	20.396	ug/l	97
70) Styrene	12.20	104	278536	20.420	ug/l	99
71) Bromoform	12.37	173	56655	21.141	ug/l #	98
73) Isopropylbenzene	12.49	105	421877	19.718	ug/l	99
74) N-amyl acetate	12.30	43	92438	19.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77476	20.064	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	53475m	19.448	ug/l	
77) Bromobenzene	12.77	156	108566	20.434	ug/l	98
78) n-propylbenzene	12.83	91	516435	20.085	ug/l	99
79) 2-Chlorotoluene	12.91	91	289521	20.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	357002	20.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24652	19.358	ug/l	93
82) 4-Chlorotoluene	13.01	91	304261	19.897	ug/l	97
83) tert-Butylbenzene	13.23	119	303990	20.582	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	356137	20.191	ug/l	100
85) sec-Butylbenzene	13.41	105	427888	20.105	ug/l	100
86) p-Isopropyltoluene	13.53	119	393822	20.235	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204852	19.944	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203557	20.080	ug/l	99
89) n-Butylbenzene	13.86	91	359688	20.056	ug/l	99
90) Hexachloroethane	14.12	117	77406	19.587	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	178770	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12008	20.179	ug/l	96

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ClientSampleId :
VD0302SBSD01

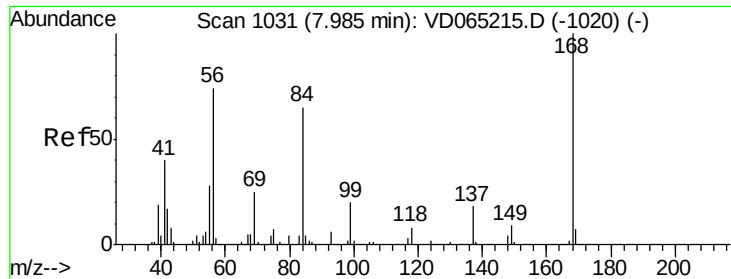
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119316	20.683	ug/l	98
94) Hexachlorobutadiene	15.28	225	76524	20.679	ug/l	99
95) Naphthalene	15.42	128	190636	20.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103477	20.538	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBSD01

Tot Ion:168 Resp: 472826

Ion Ratio Lower Upper

168 100

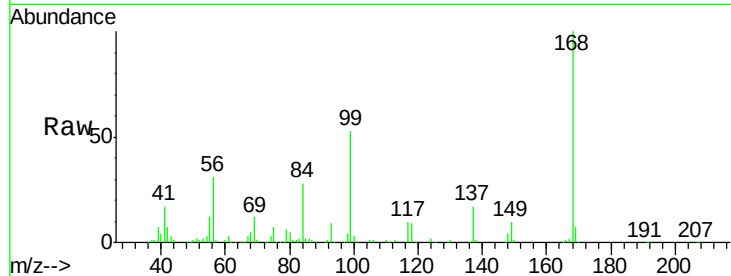
99 53.0 41.4 62.2

Manual Integrations

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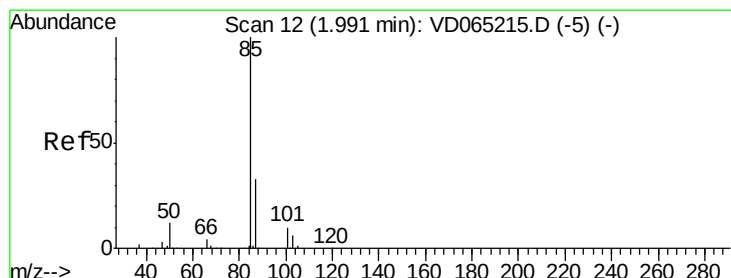
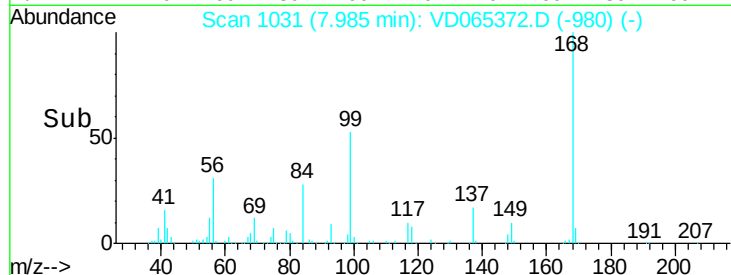
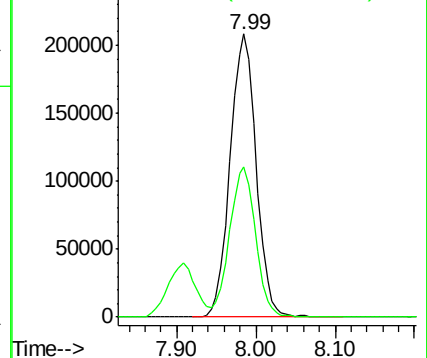
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.455 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065372.D

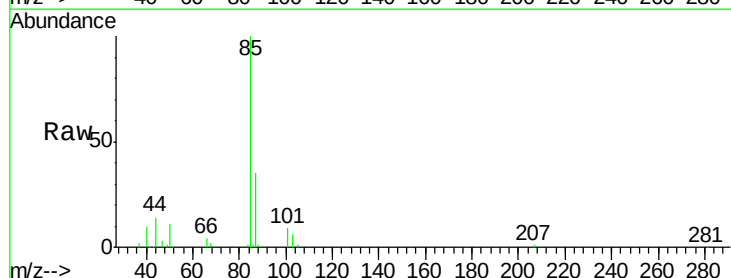
Acq: 02 Mar 2020 11:47

Tgt Ion: 85 Resp: 69222

Ion Ratio Lower Upper

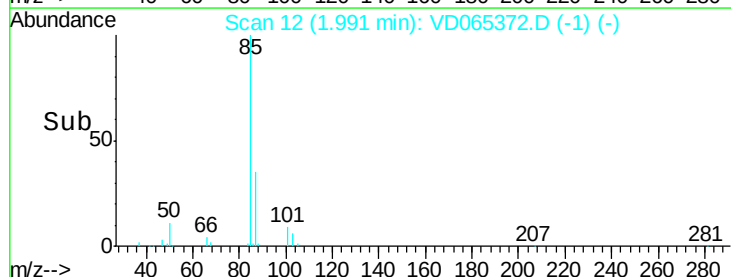
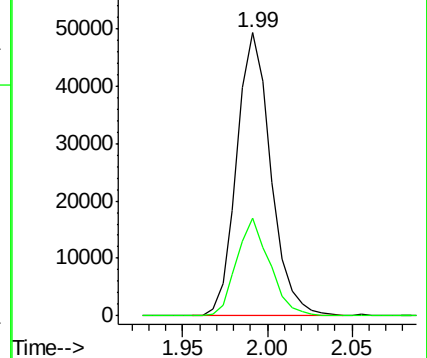
85 100

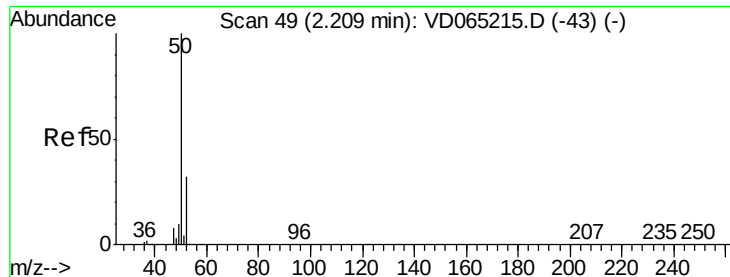
87 34.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.936 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBSD01

Tot Ion: 50 Resp: 90534

Ion Ratio Lower Upper

50 100

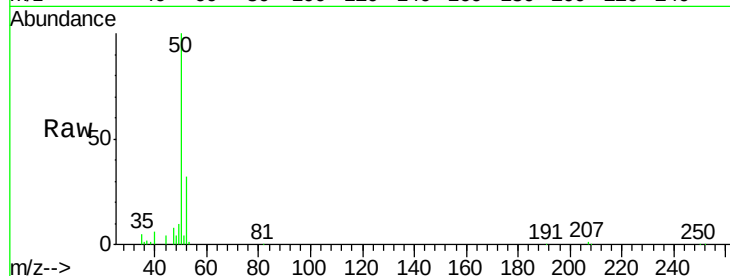
52 31.6 25.5 38.3

Manual Integrations

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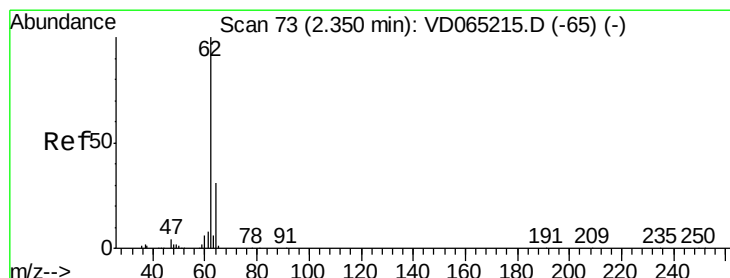
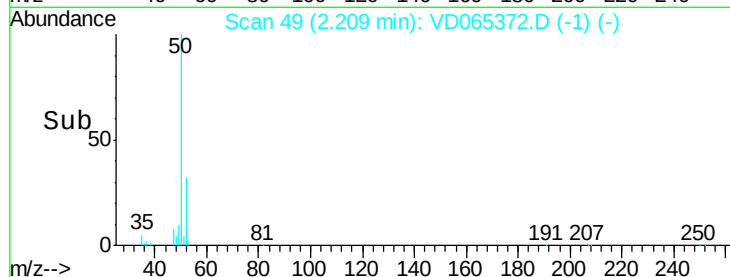
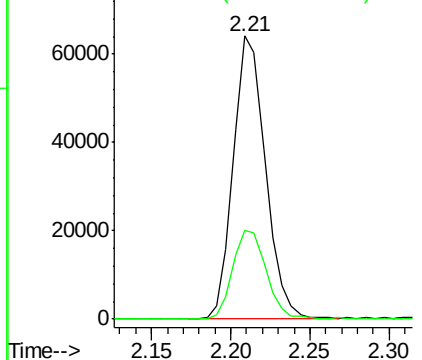
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.761 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065372.D

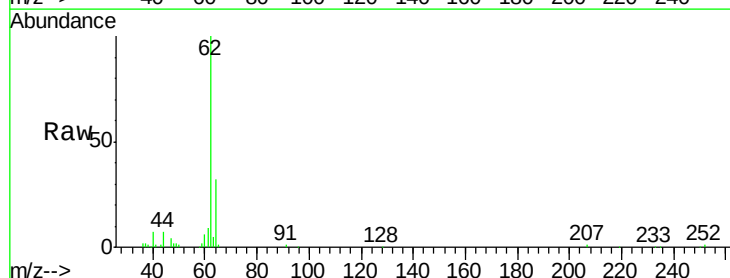
Acq: 02 Mar 2020 11:47

Tgt Ion: 62 Resp: 91164

Ion Ratio Lower Upper

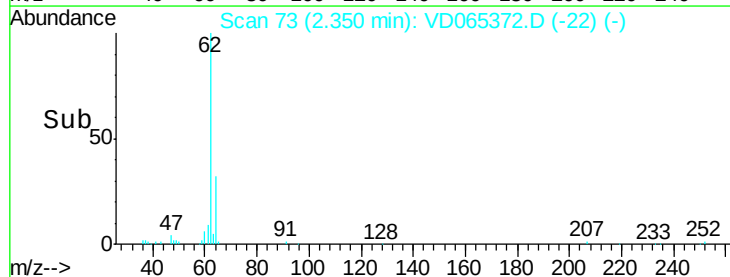
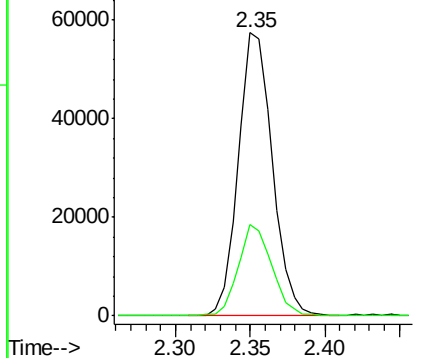
62 100

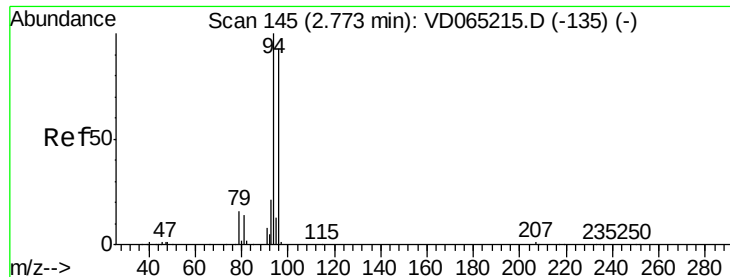
64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.081 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBSD01

Tot Ion: 94 Resp: 59217

Ion Ratio Lower Upper

94 100

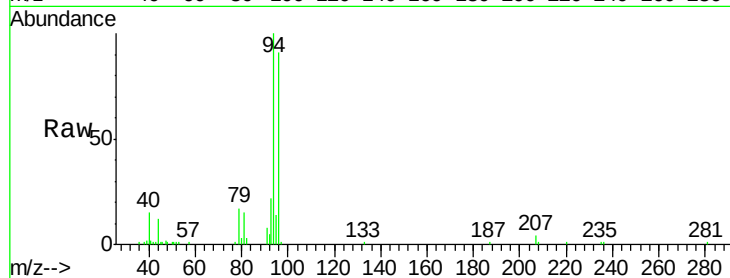
96 90.7 74.2 111.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

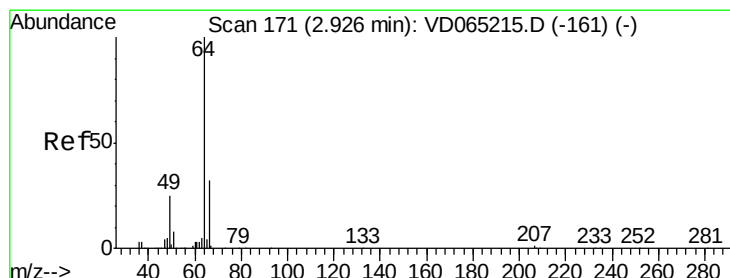
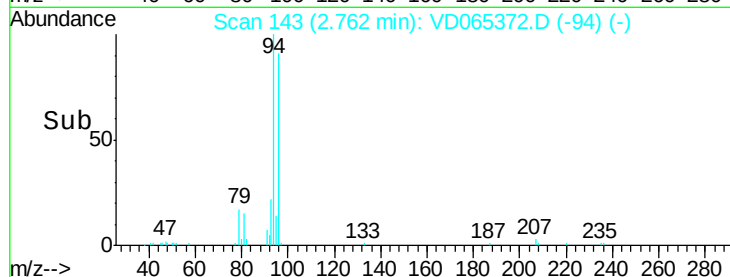
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 18.507 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065372.D

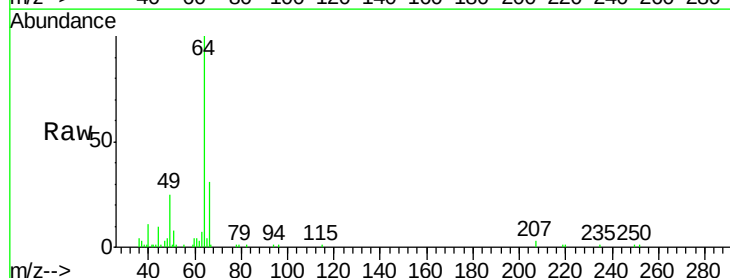
Acq: 02 Mar 2020 11:47

Tgt Ion: 64 Resp: 57985

Ion Ratio Lower Upper

64 100

66 30.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

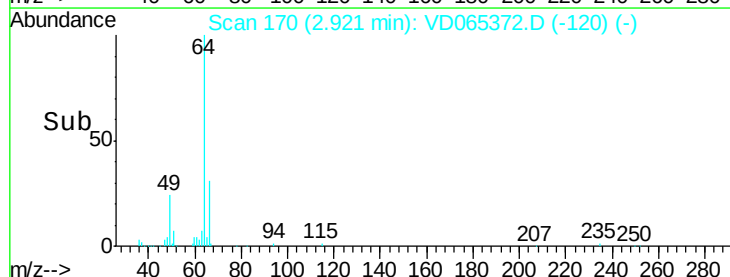
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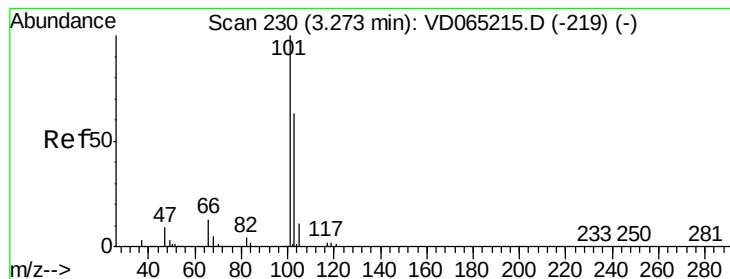
5000

0

Time-->

2.80 2.90 3.00





#7

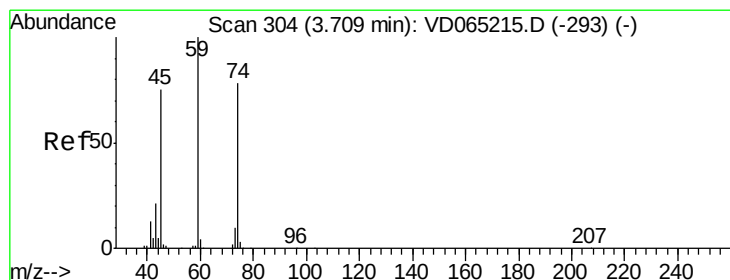
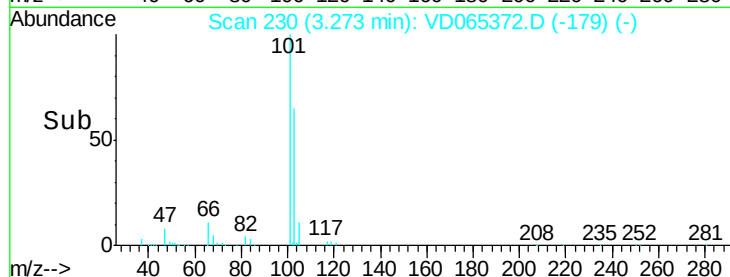
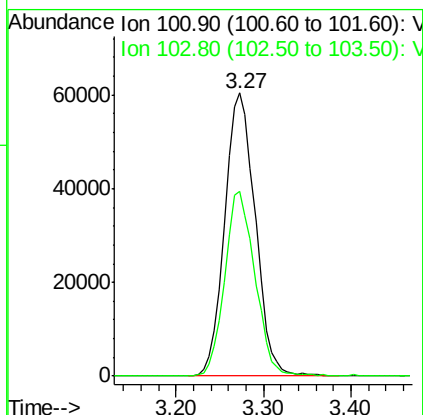
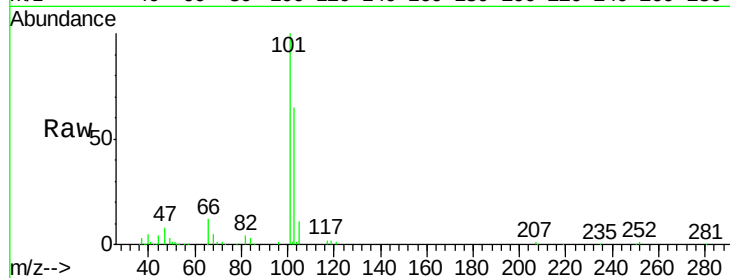
Trichlorofluoromethane
 Concen: 19.576 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
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 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.7	76.1

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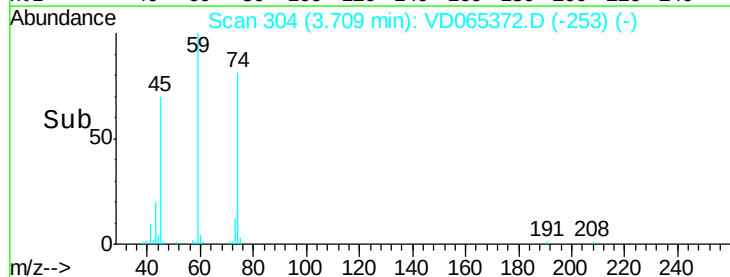
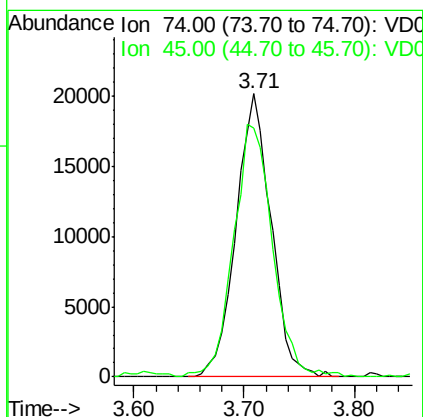
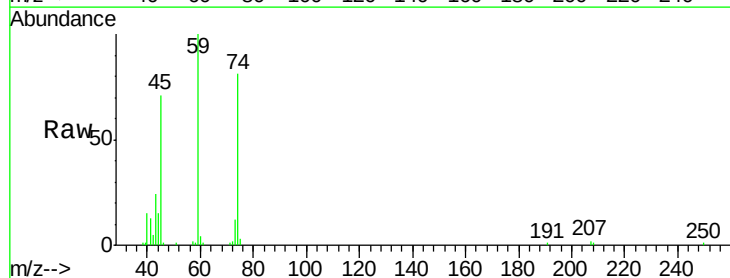
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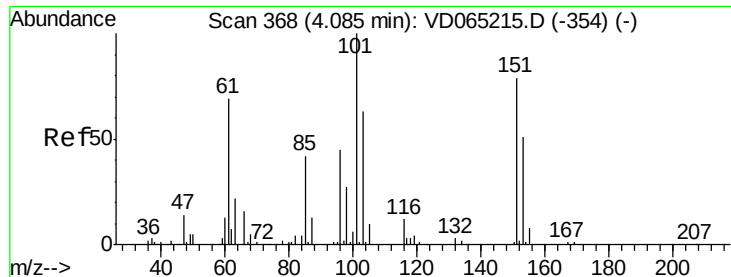


#8

Diethyl Ether
 Concen: 20.274 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.042 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

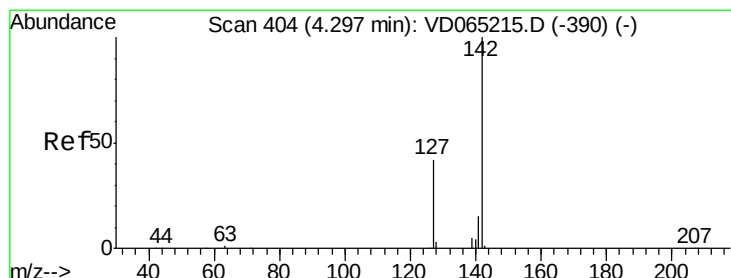
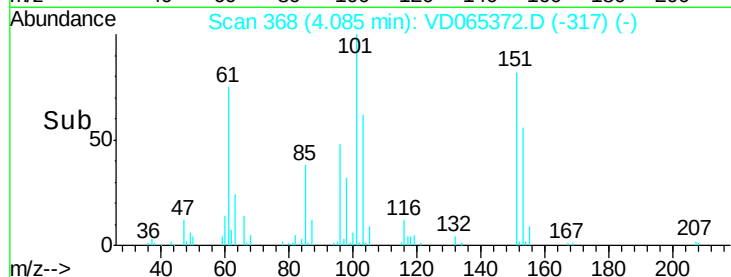
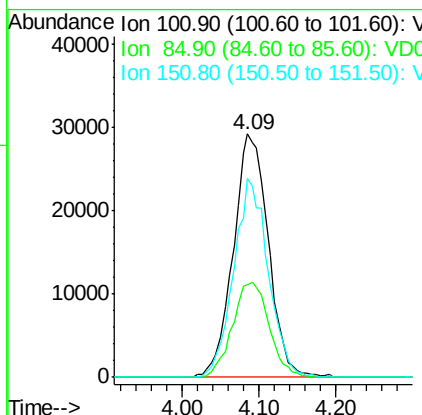
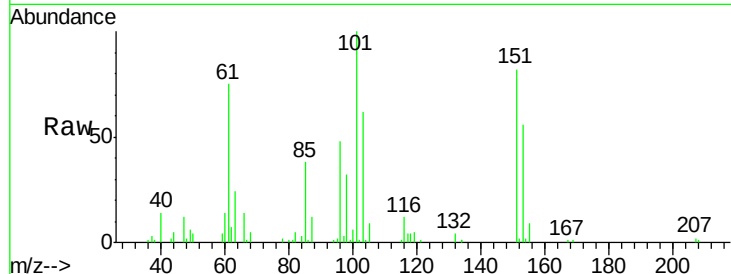
ClientSampleId :

VD0302SBSD01

Tot Ion:	101	Resp:	93009
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.2	51.2
151	80.5	63.5	95.3

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#10

Methyl Iodide

Concen: 18.693 ug/l

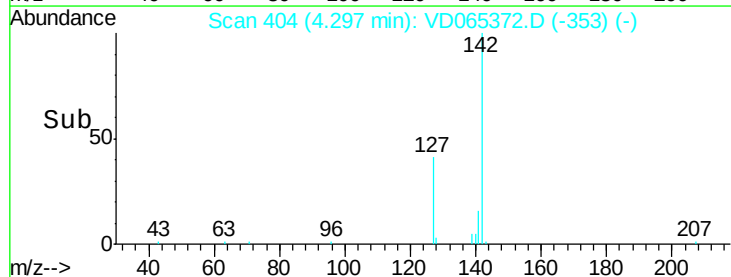
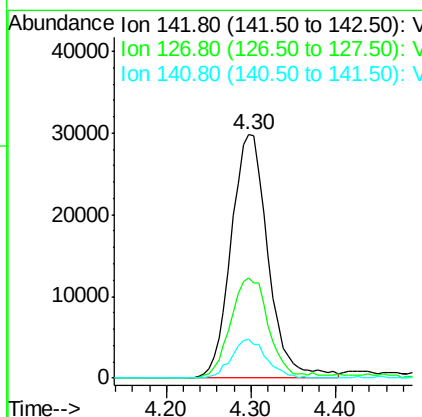
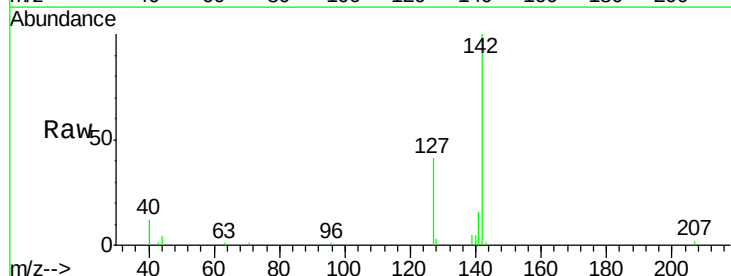
RT: 4.30 min Scan# 404

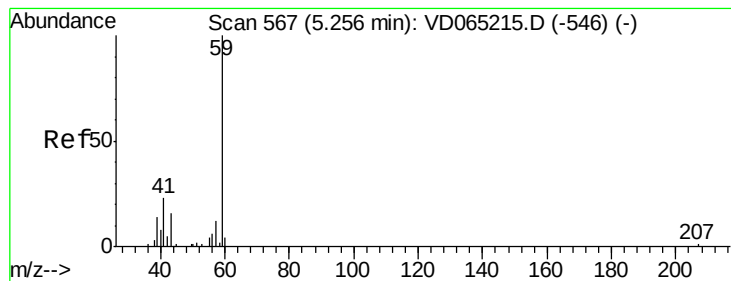
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	142	Resp:	90069
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.8
141	15.1	11.7	17.5





#11

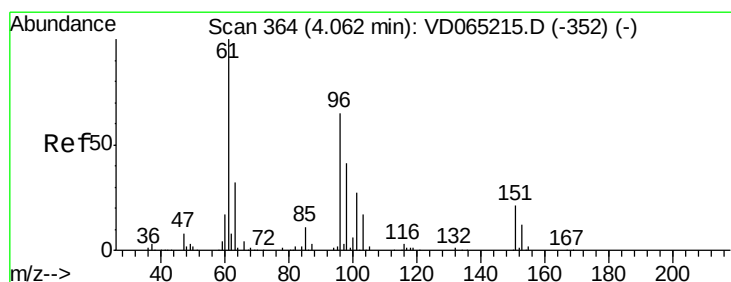
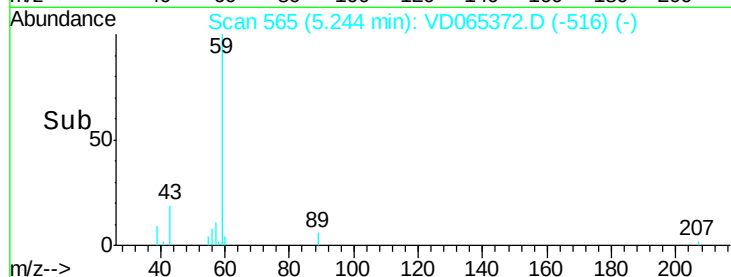
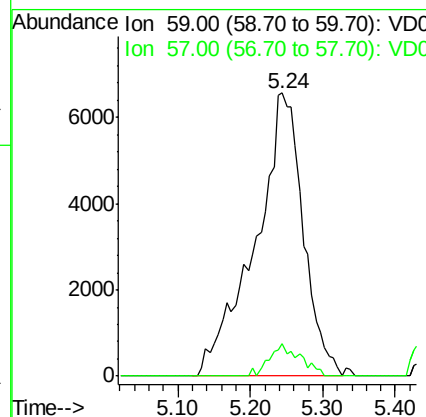
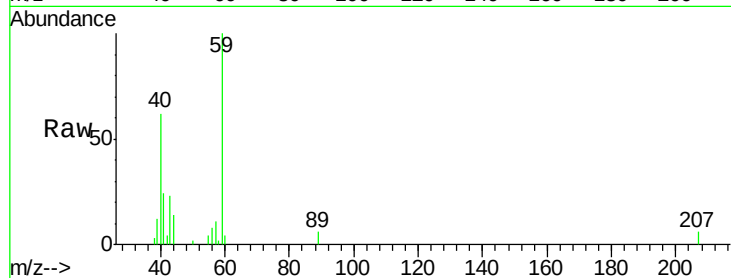
Tert butyl alcohol
Concen: 119.641 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.4	12.6#

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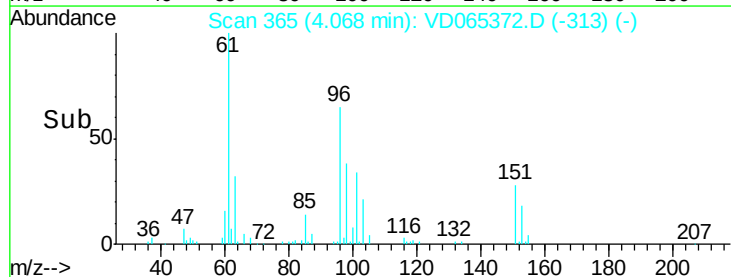
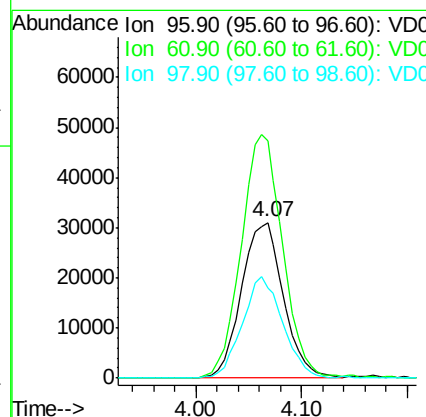
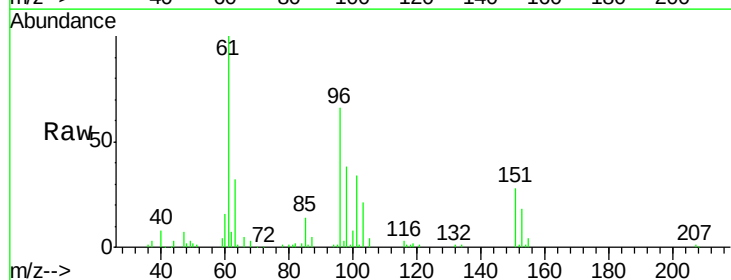
MMDadoda
3/3/2020 11:12:04 AM

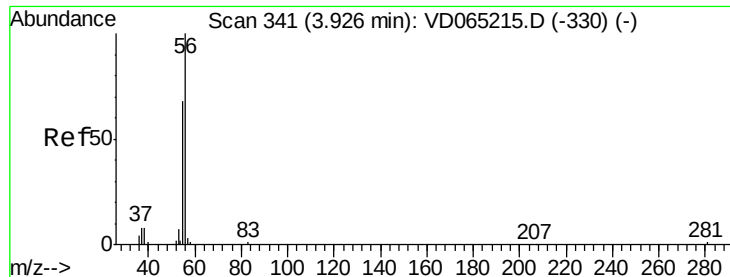


#12

1,1-Dichloroethene
Concen: 19.475 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	123.3	184.9
98	57.5	51.0	76.4





#13

Acrolein

Concen: 92.941 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBSD01

Tot Ion: 56 Resp: 34659

Ion Ratio Lower Upper

56 100

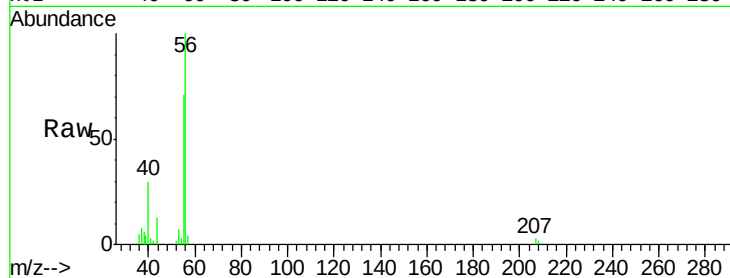
55 73.5 56.6 85.0

Manual Integrations

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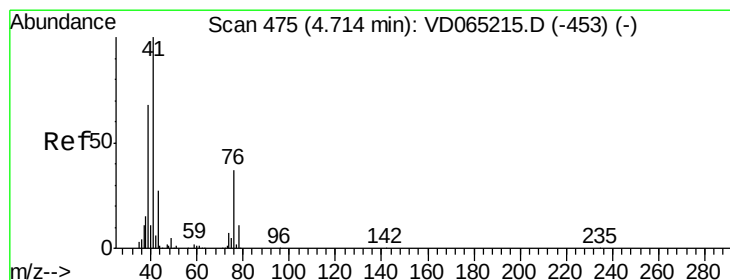
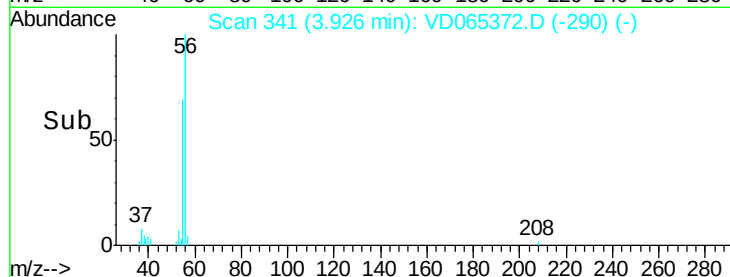
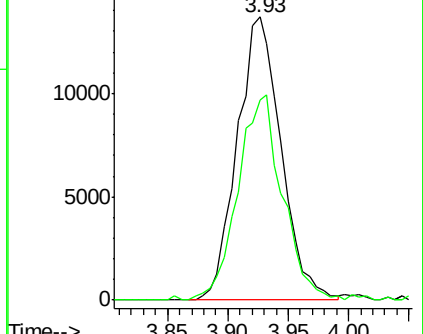
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.959 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

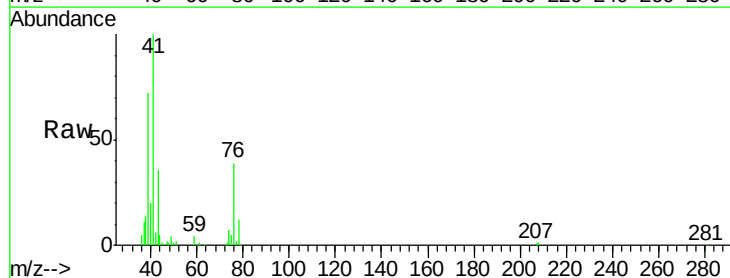
Tgt Ion: 41 Resp: 134965

Ion Ratio Lower Upper

41 100

39 64.9 53.8 80.6

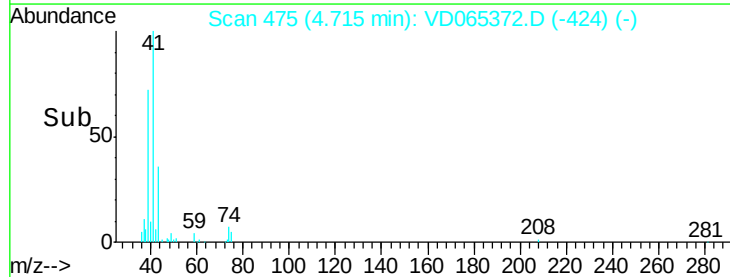
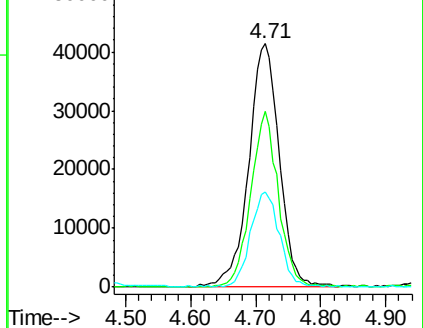
76 36.8 28.7 43.1

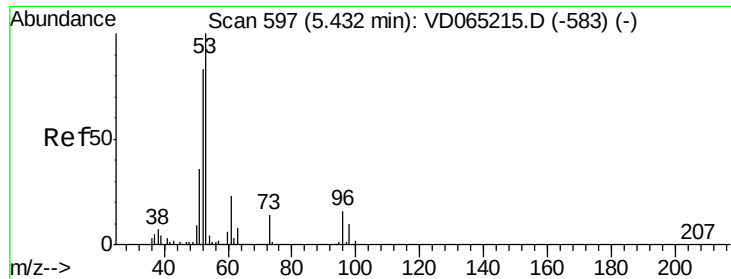


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.002 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

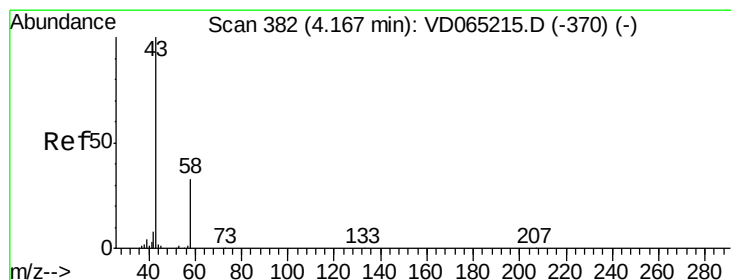
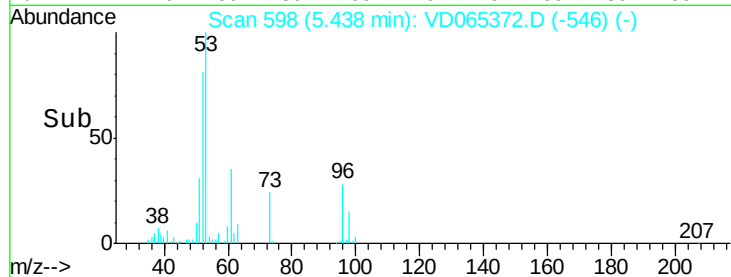
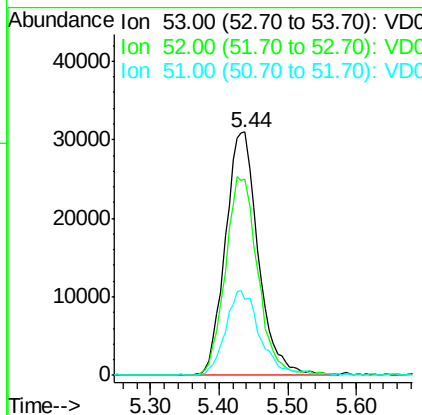
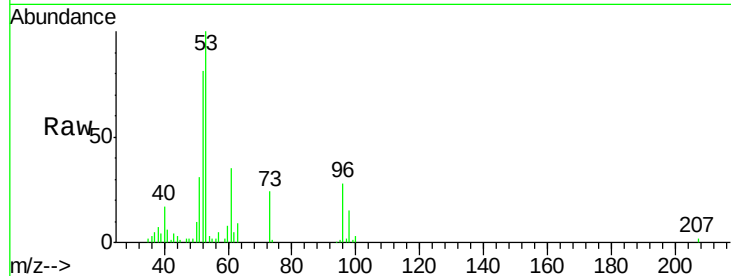
ClientSampleId :

VD0302SBS01

Tot Ion:	53	Resp:	103120
Ion Ratio		Lower	Upper
53	100		
52	80.0	65.4	98.2
51	36.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 90.792 ug/l

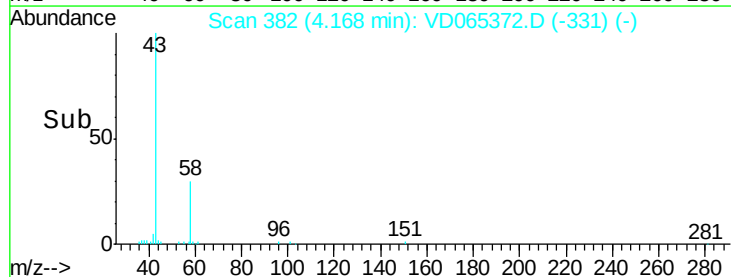
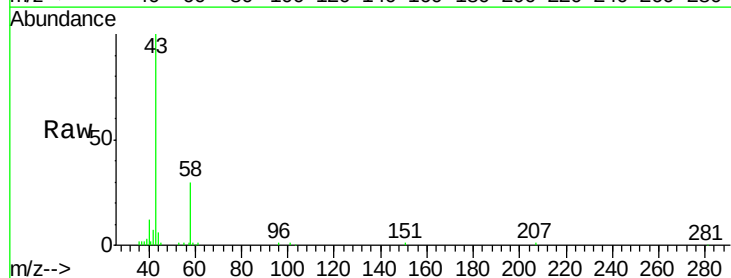
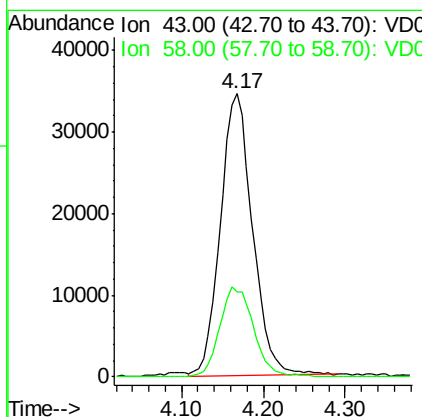
RT: 4.17 min Scan# 382

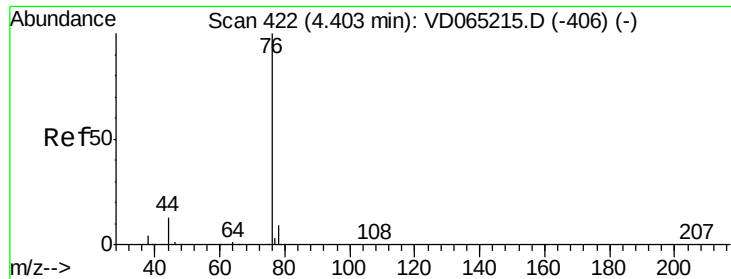
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	43	Resp:	94404
Ion Ratio		Lower	Upper
43	100		
58	30.3	26.2	39.2





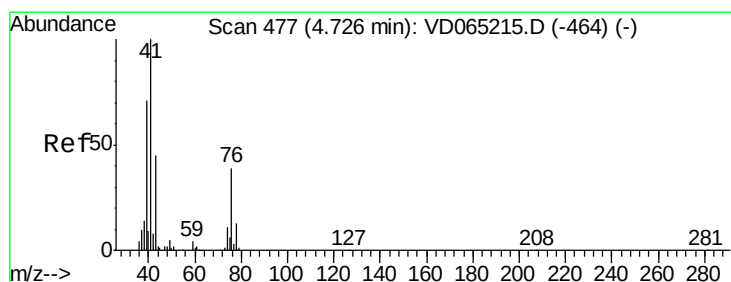
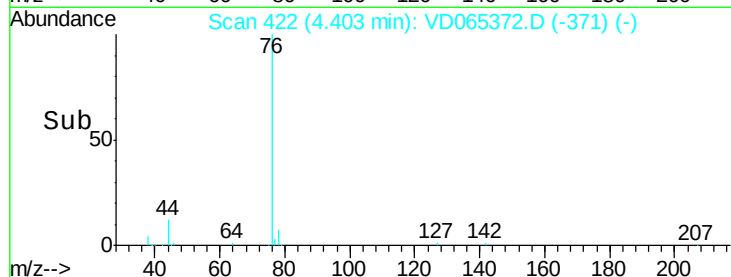
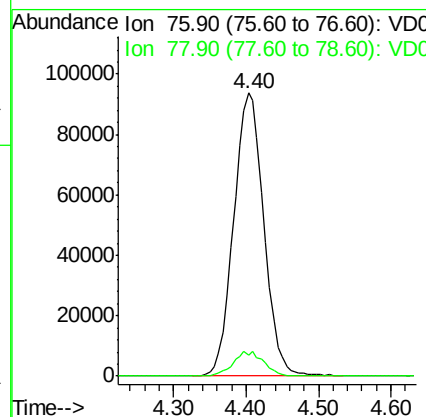
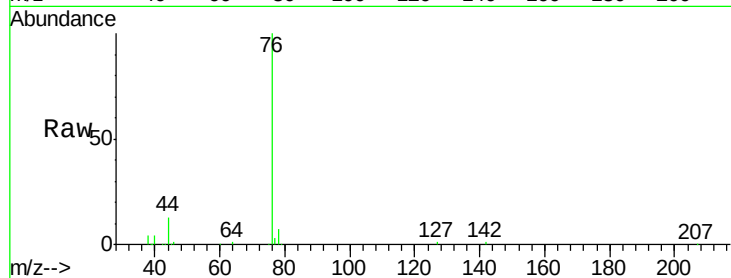
#17
Carbon Disulfide
Concen: 18.357 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.0	10.6

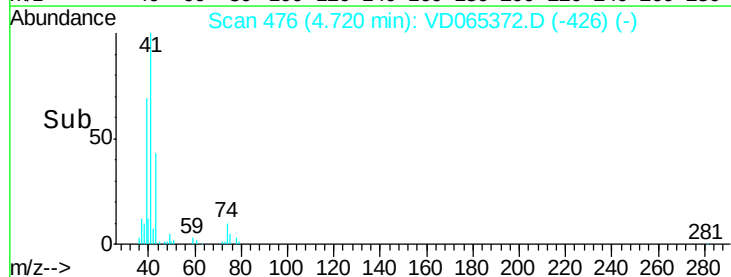
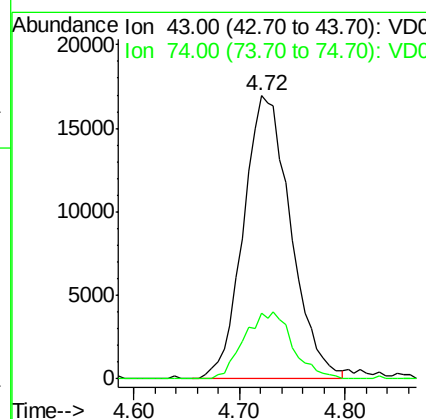
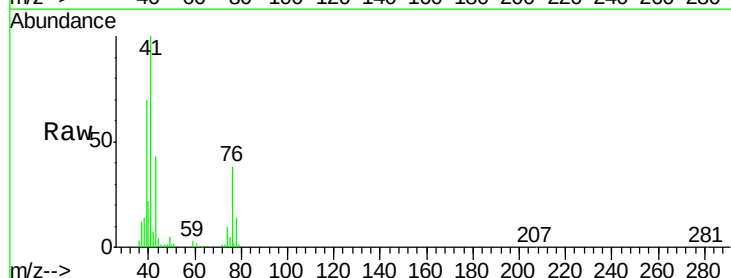
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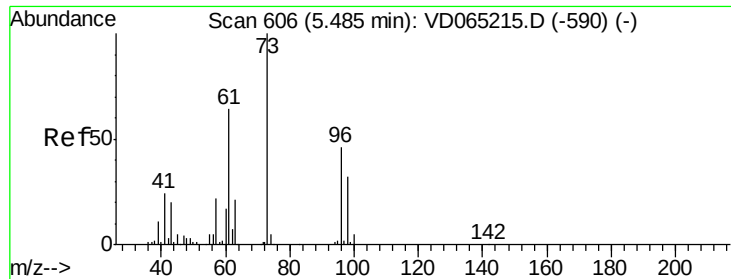
MMDadoda
3/3/2020 11:12:04 AM



#18
Methyl Acetate
Concen: 22.542 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





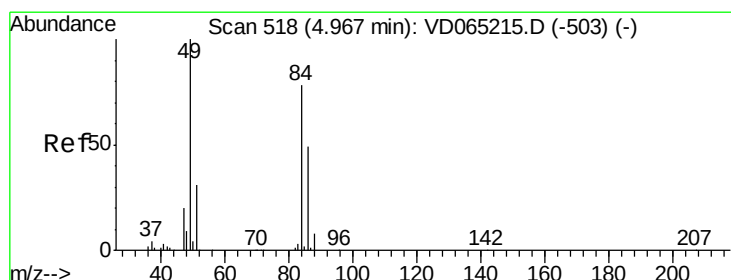
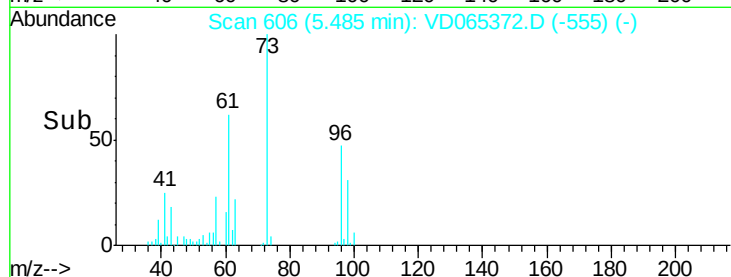
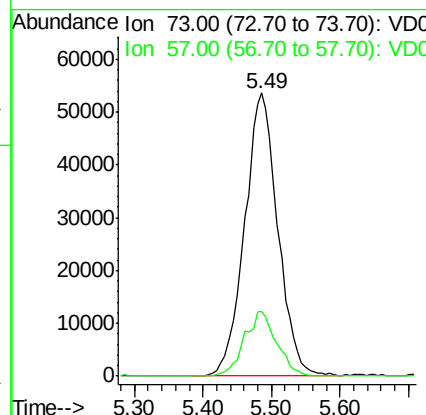
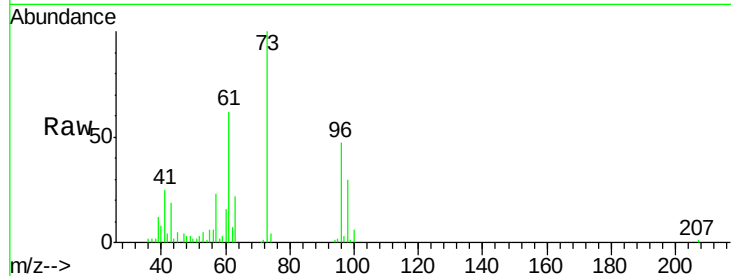
#19
Methyl tert-butyl Ether
Concen: 19.758 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion: 73 Resp: 180620
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9

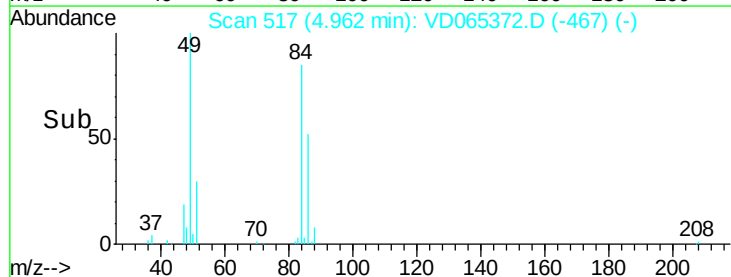
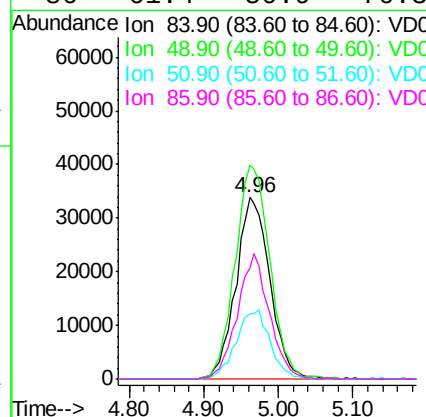
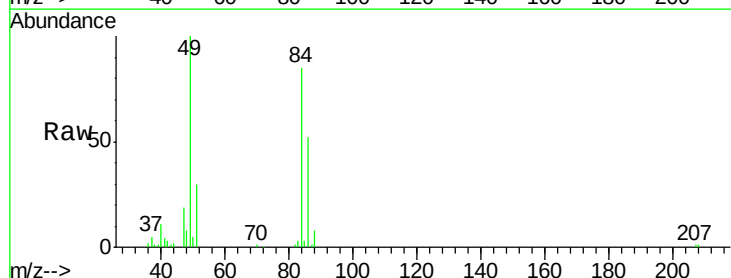
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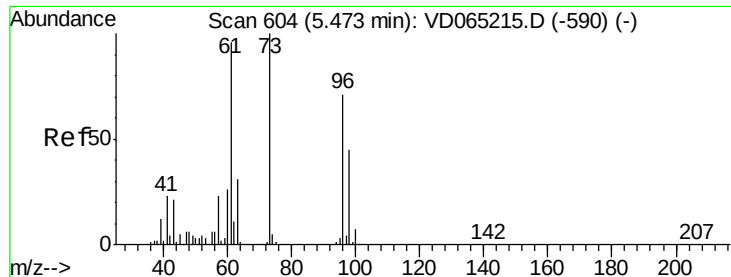
MMDadoda
3/3/2020 11:12:04 AM



#20
Methylene Chloride
Concen: 20.353 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion: 84 Resp: 106862
Ion Ratio Lower Upper
84 100
49 117.9 103.1 154.7
51 36.0 31.7 47.5
86 61.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.853 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

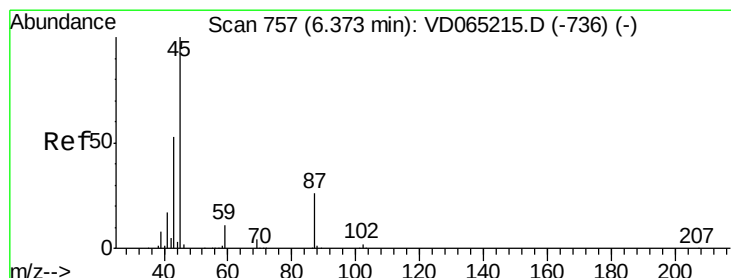
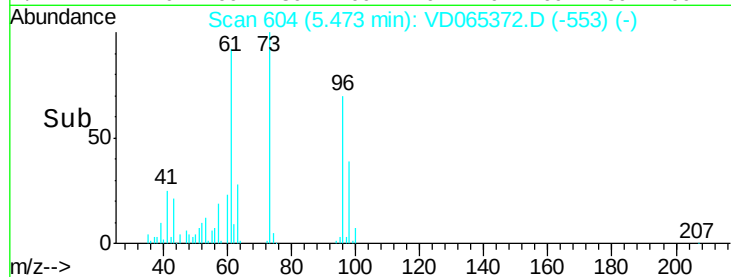
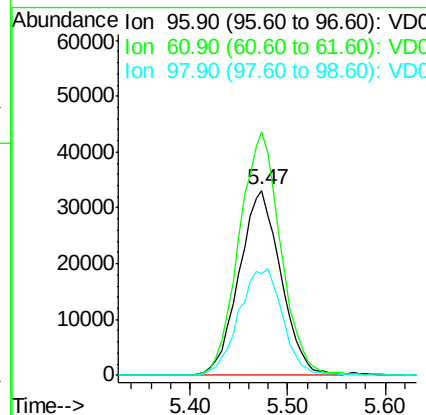
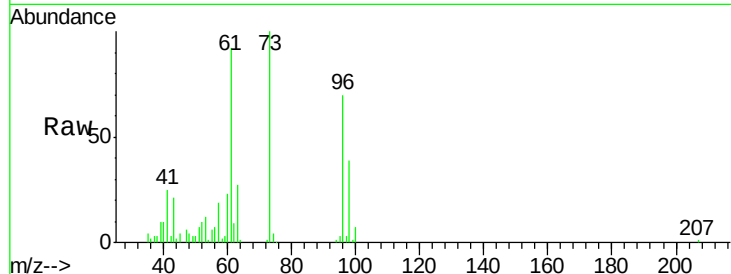
ClientSampleId :

VD0302SBSD01

Tot Ion:	96	Resp:	98938
Ion	Ratio	Lower	Upper
96	100		
61	131.6	108.3	162.5
98	55.0	50.7	76.1

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#22

Diisopropyl ether

Concen: 19.639 ug/l

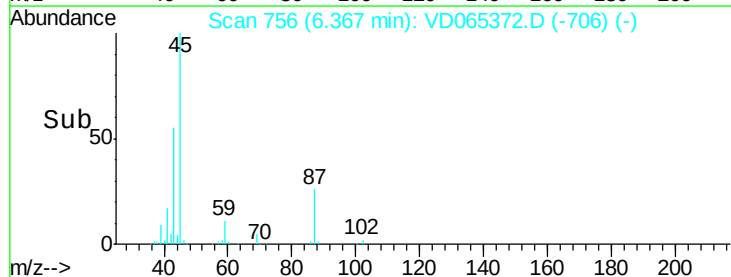
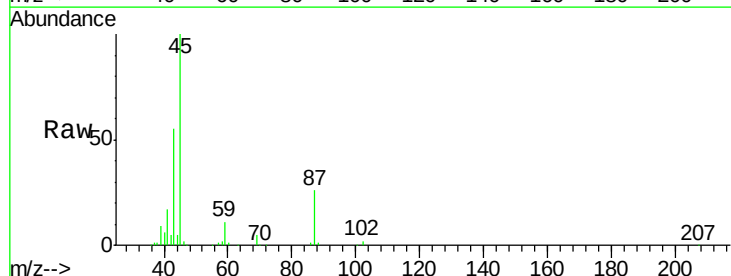
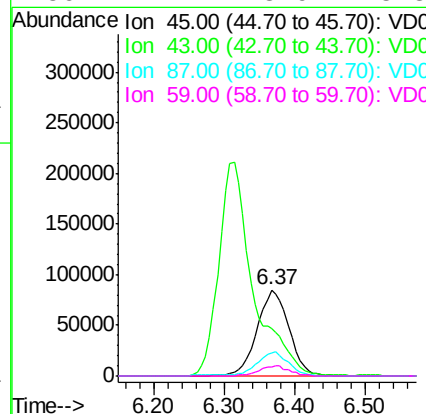
RT: 6.37 min Scan# 756

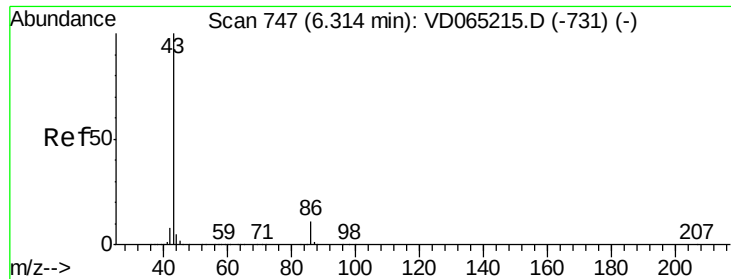
Delta R.T. -0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	45	Resp:	269517
Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.6	64.0
87	26.1	21.2	31.8
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 94.268 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 43 Resp: 713214

Ion Ratio Lower Upper

43 100

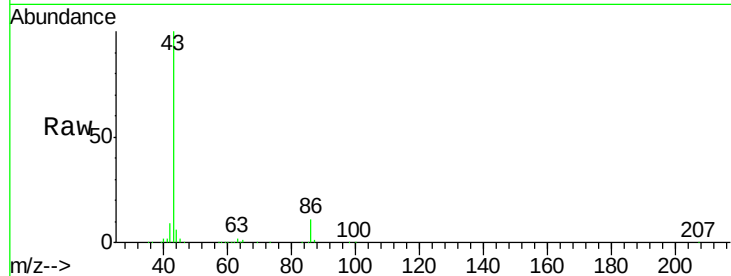
86 11.1 8.6 12.8

Manual Integrations

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3/3/2020 11:12:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

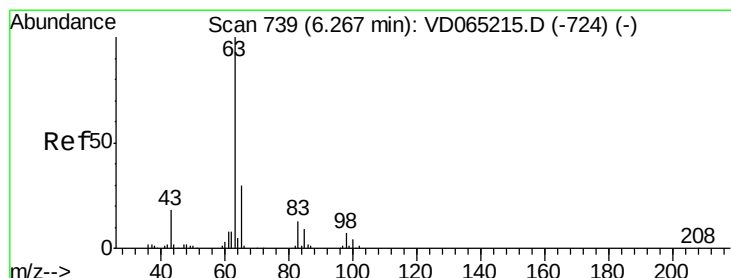
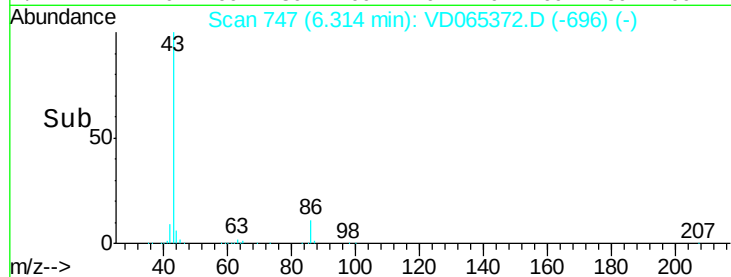
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.567 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

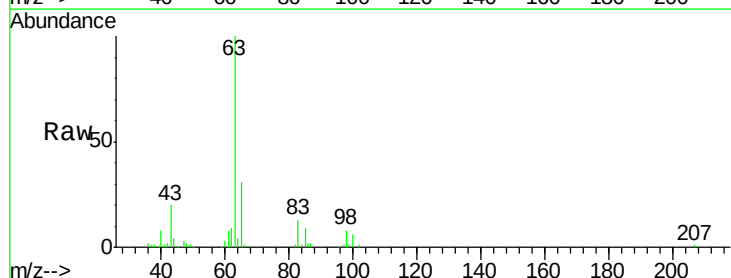
Tgt Ion: 63 Resp: 166563

Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 5.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

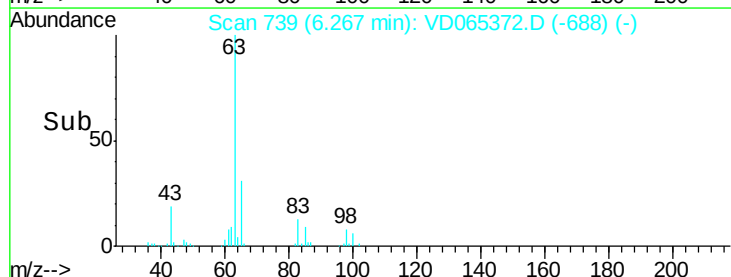
40000

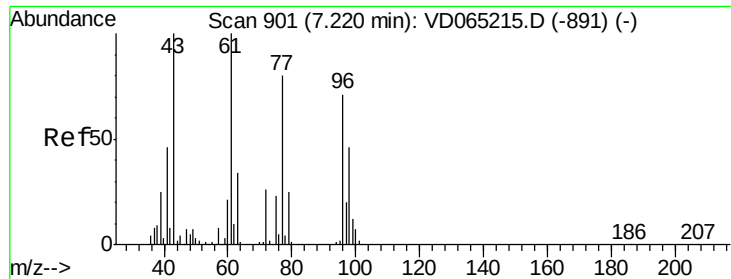
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 94.201 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBSD01

Tot Ion: 43 Resp: 123926

Ion Ratio Lower Upper

43 100

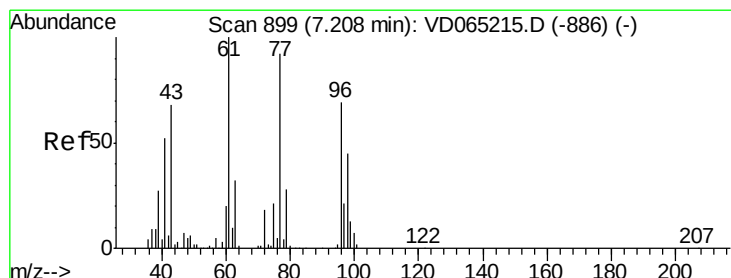
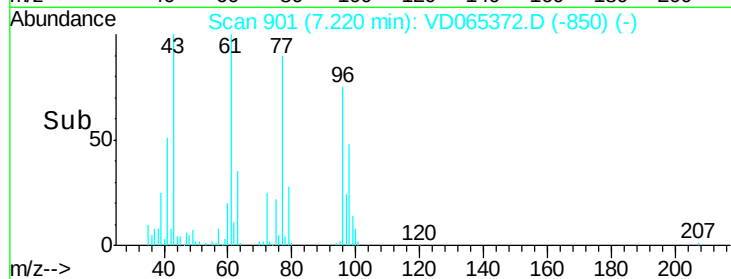
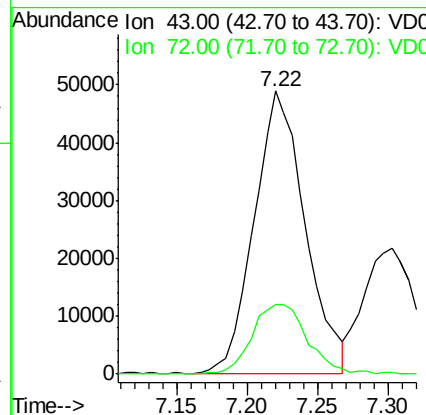
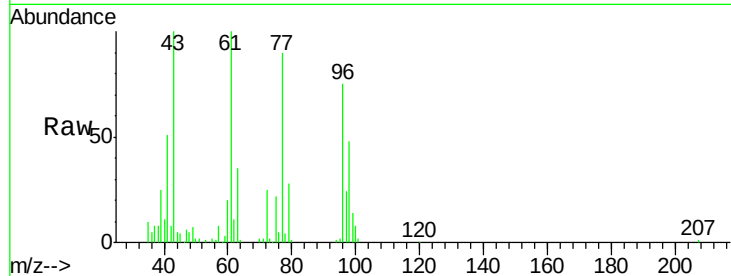
72 24.6 20.9 31.3

Manual Integrations

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MMDadoda

3/3/2020 11:12:04 AM



#26

2,2-Dichloropropane

Concen: 19.542 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065372.D

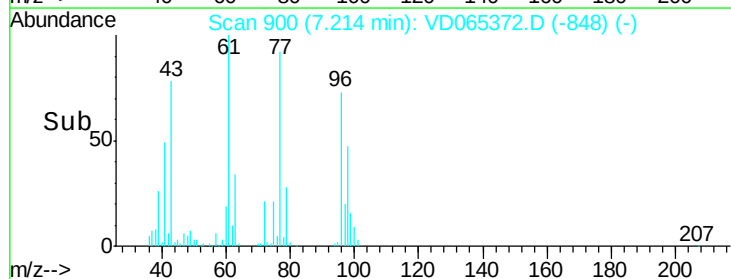
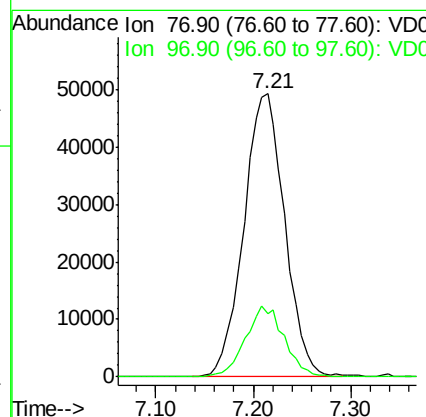
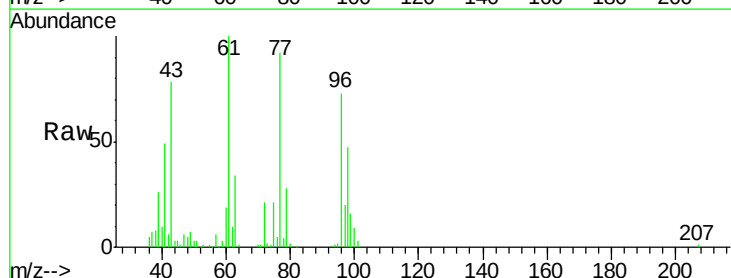
Acq: 02 Mar 2020 11:47

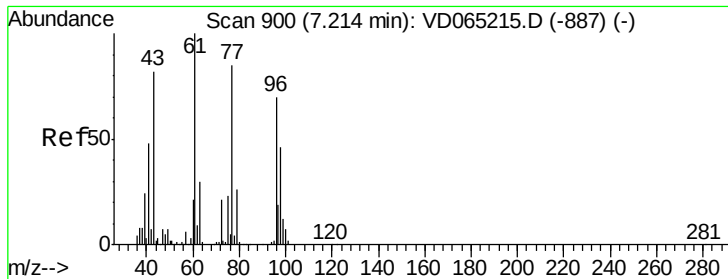
Tgt Ion: 77 Resp: 144329

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.1





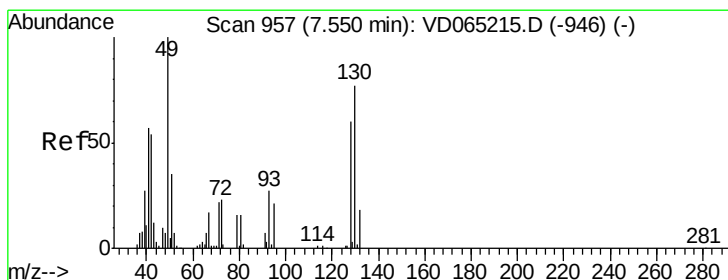
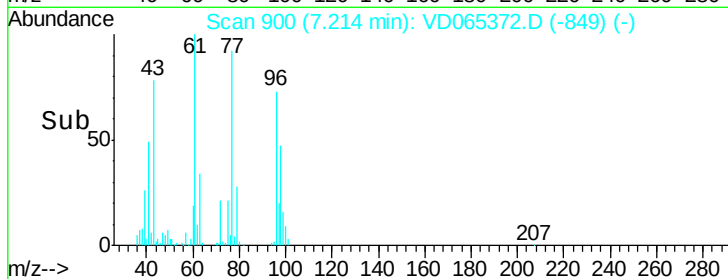
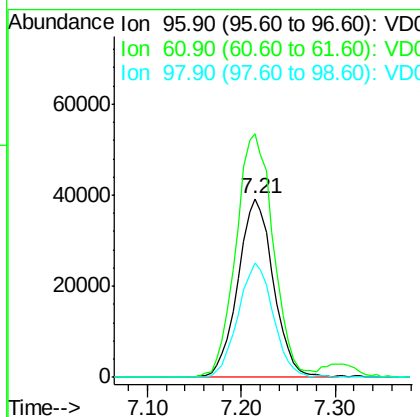
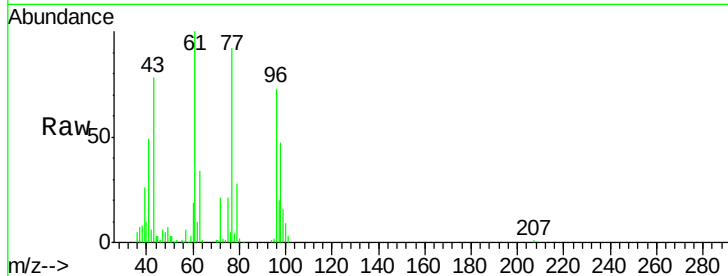
#27
 cis-1,2-Dichloroethene
 Concen: 19.464 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	286.0	
98	63.2	0.0	127.8	

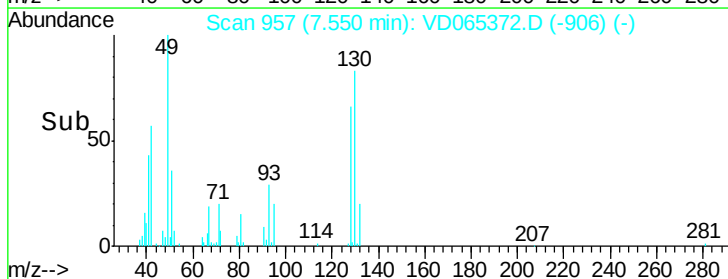
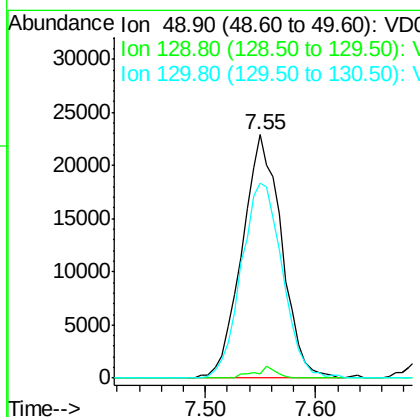
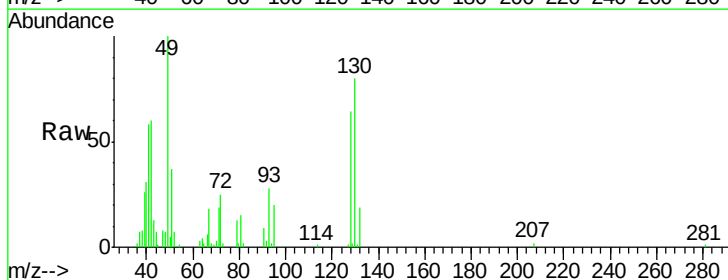
Manual Integrations
 APPROVED

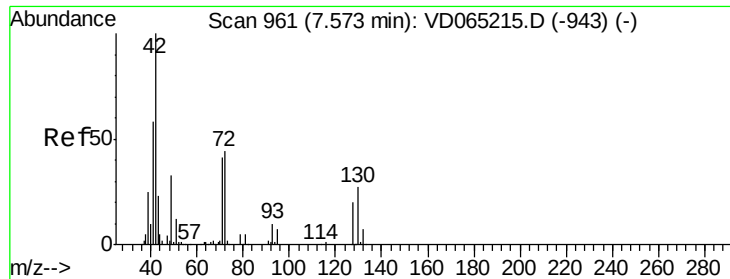
MMDadoda
 3/3/2020 11:12:04 AM



#28
 Bromochloromethane
 Concen: 18.237 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	83.5	64.7	97.1	





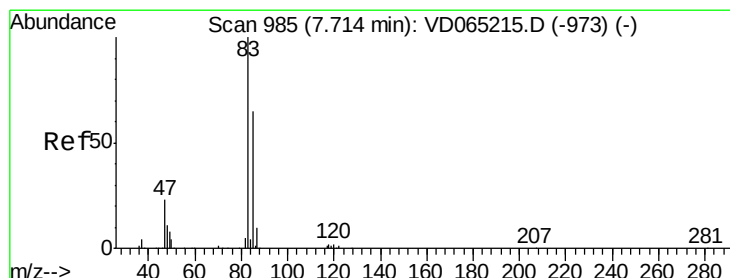
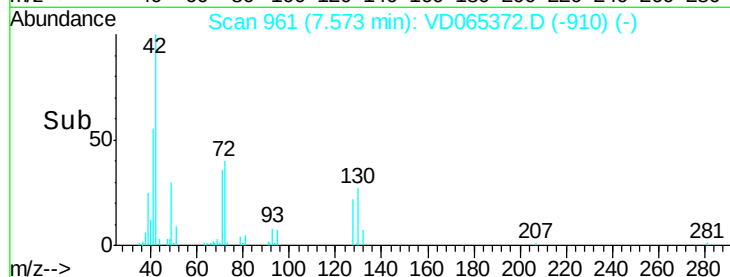
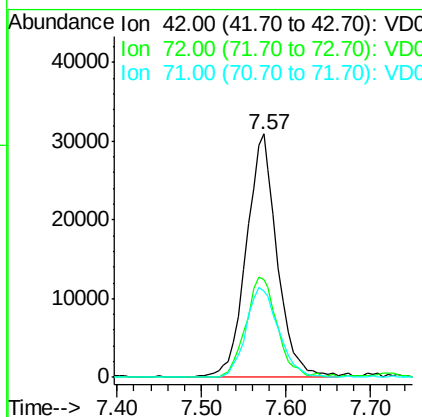
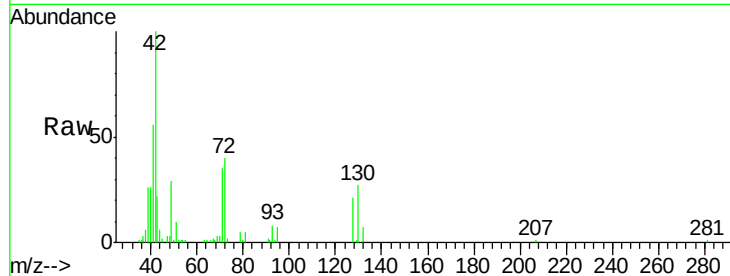
#29
Tetrahydrofuran
Concen: 102.154 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	38.9	31.4	47.2

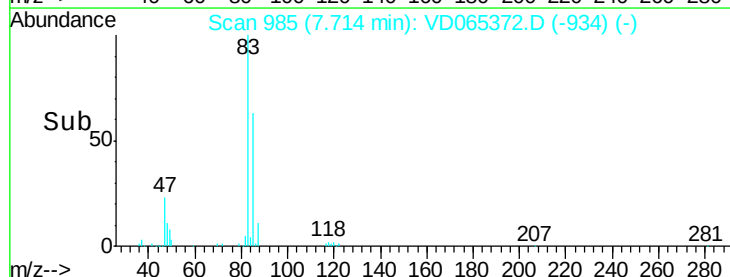
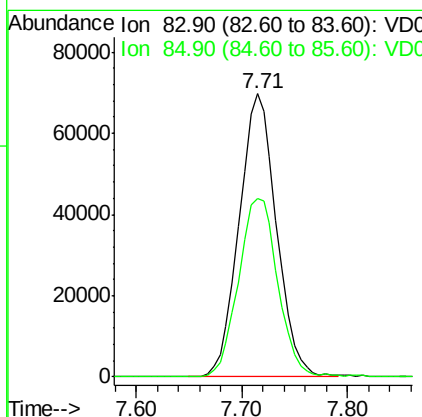
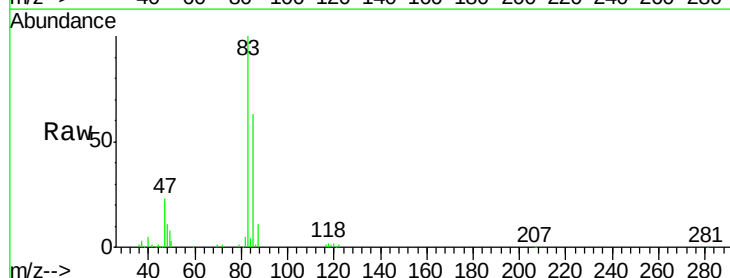
Manual Integrations
APPROVED

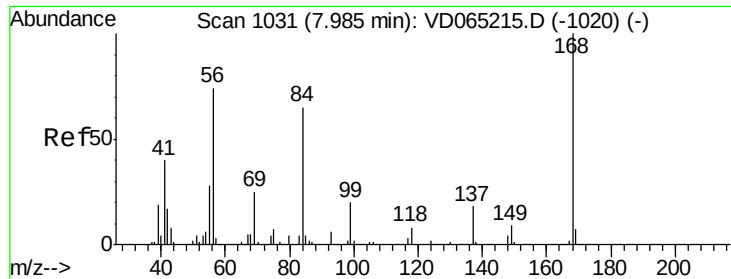
MMDadoda
3/3/2020 11:12:04 AM



#30
Chloroform
Concen: 19.932 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5





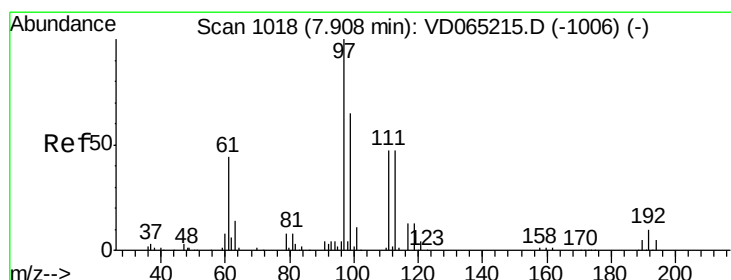
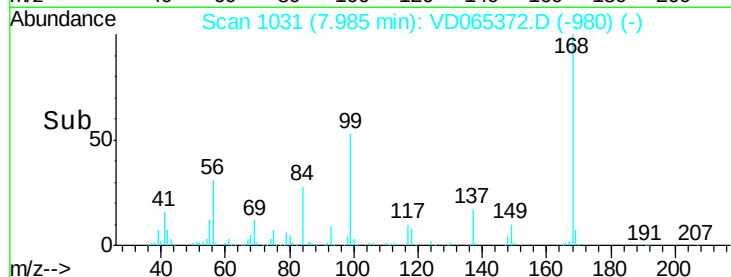
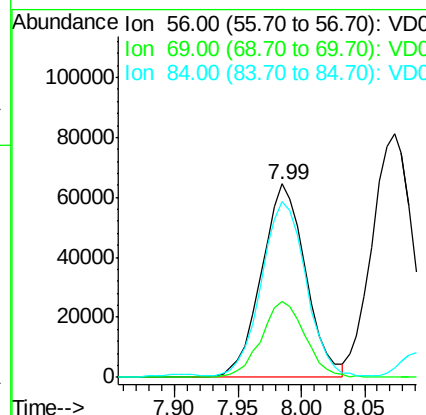
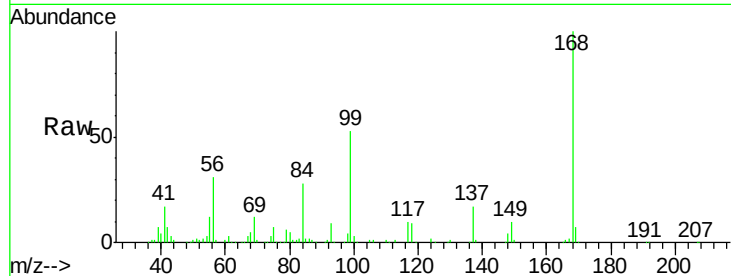
#31
Cyclohexane
Concen: 18.708 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.4	41.0
84	89.7	71.1	106.7

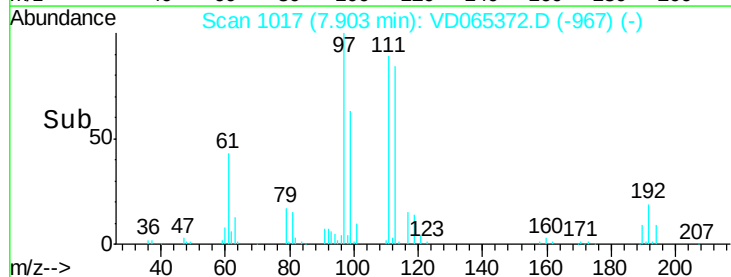
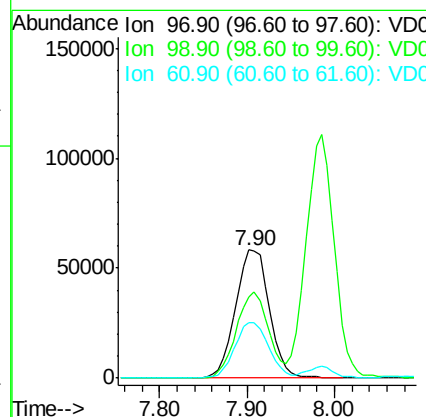
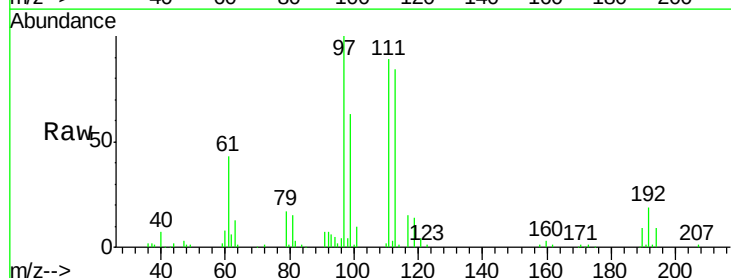
Manual Integrations
APPROVED

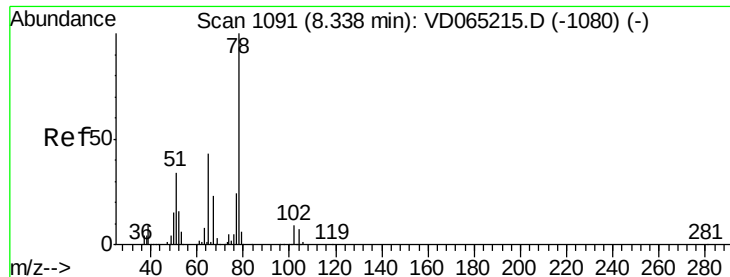
MMDadoda
3/3/2020 11:12:04 AM



#32
1,1,1-Trichloroethane
Concen: 19.868 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	43.3	34.8	52.2





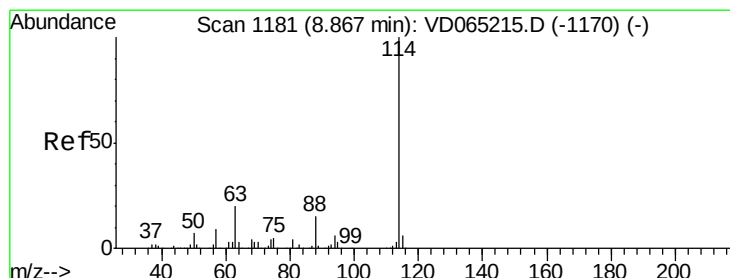
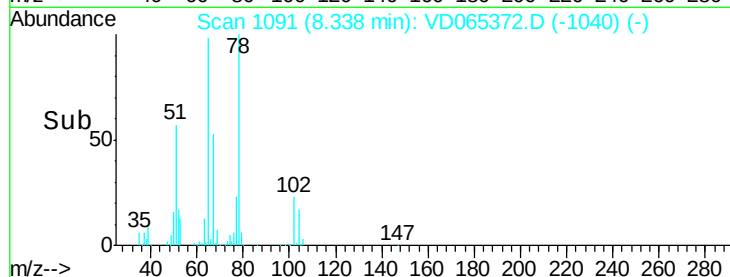
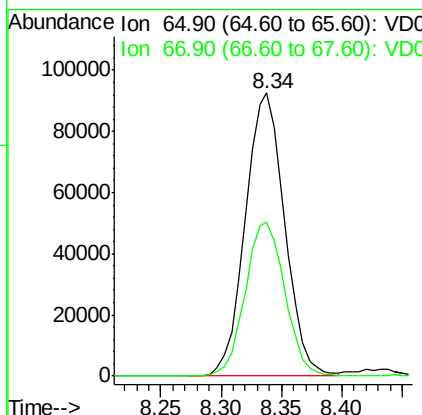
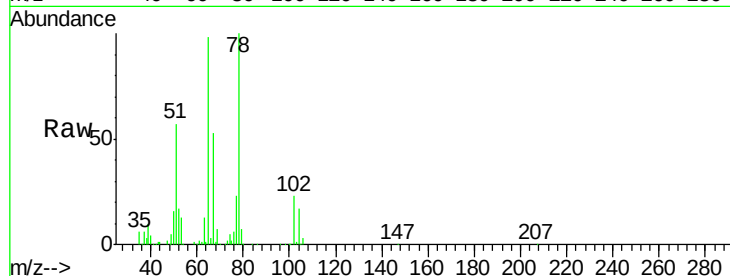
#33
 1,2-Dichloroethane-d4
 Concen: 49.242 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	106.8

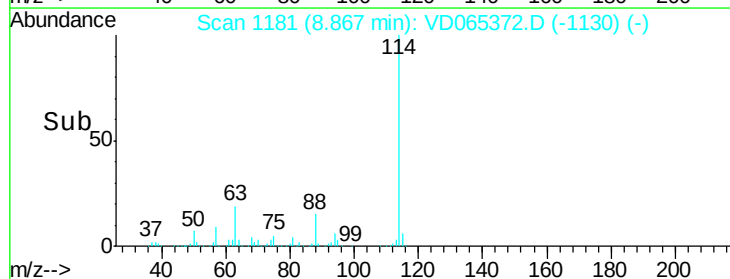
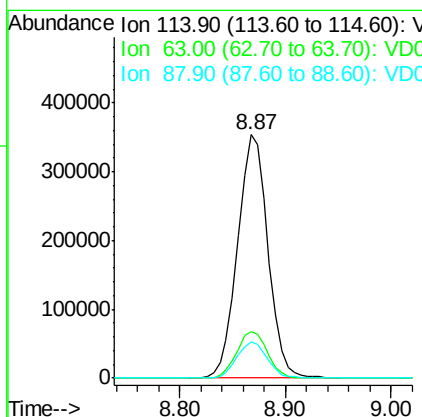
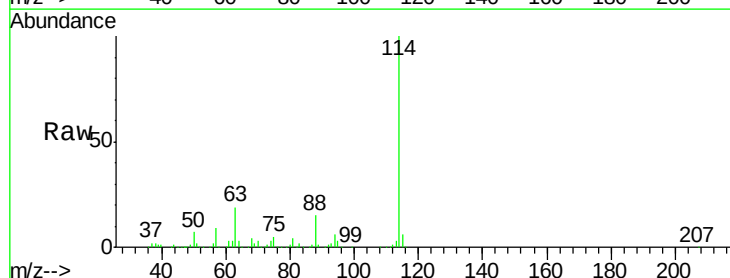
Manual Integrations
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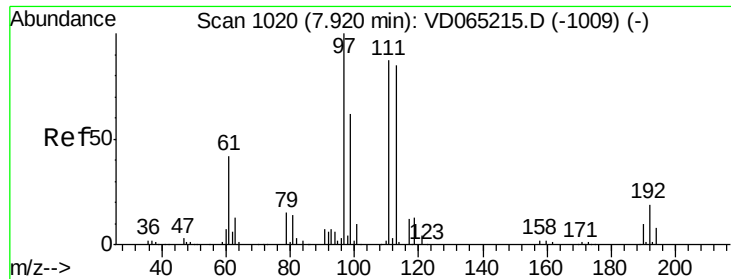
MMDadoda
 3/3/2020 11:12:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.4
88	15.1	0.0	30.4





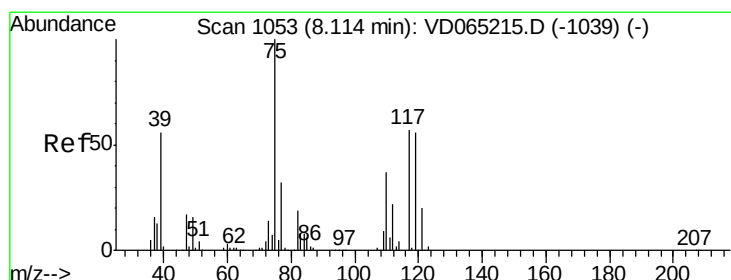
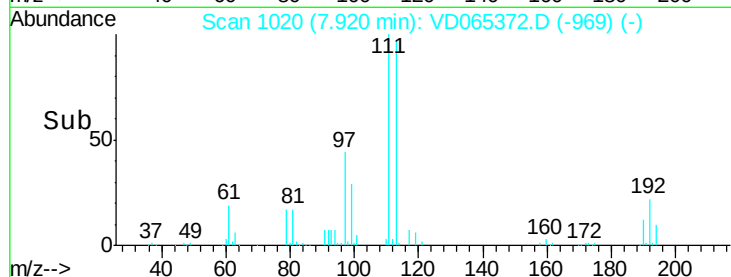
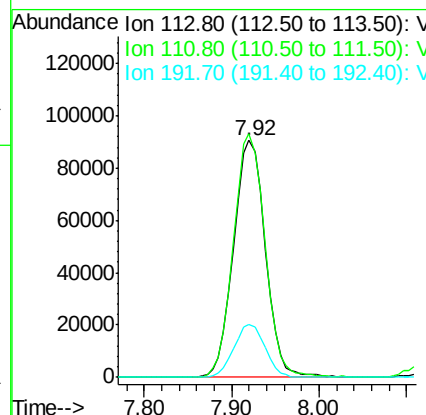
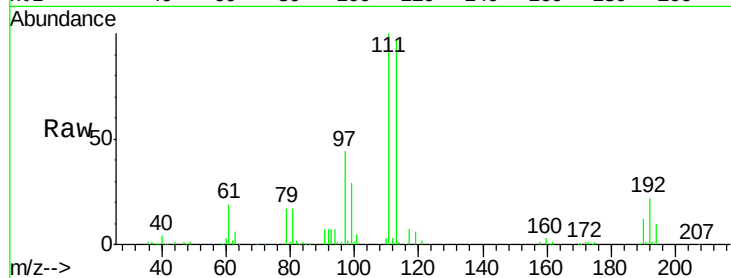
#35
Dibromofluoromethane
Concen: 51.998 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223104		
111	102.1	82.9	124.3	
192	22.0	17.3	25.9	

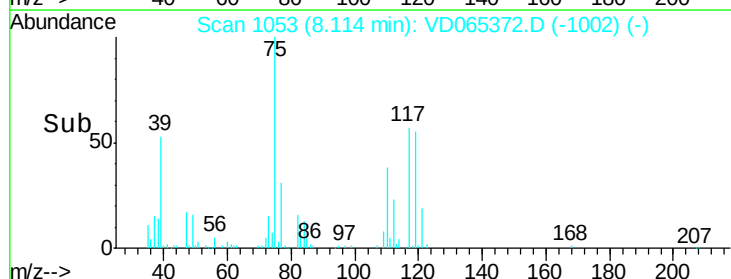
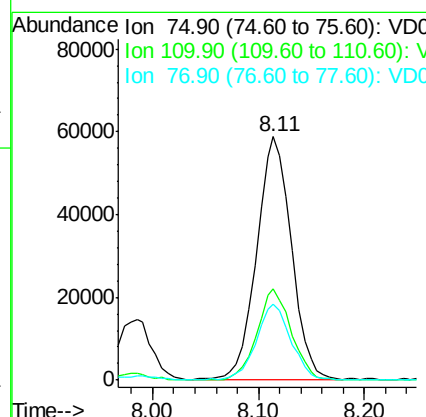
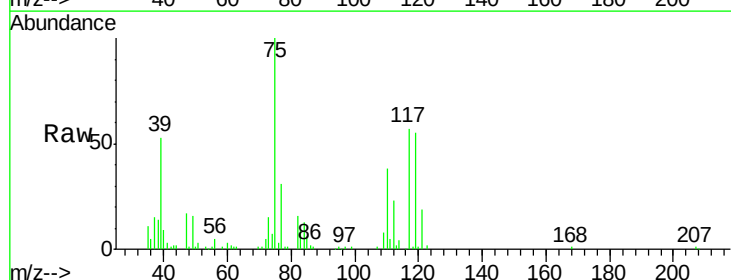
Manual Integrations
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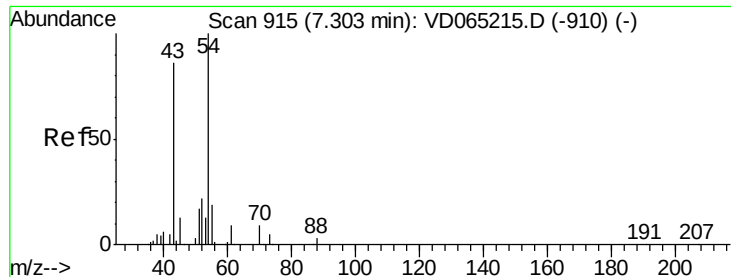
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.518 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133638		
110	37.0	17.9	53.7	
77	31.4	25.1	37.7	





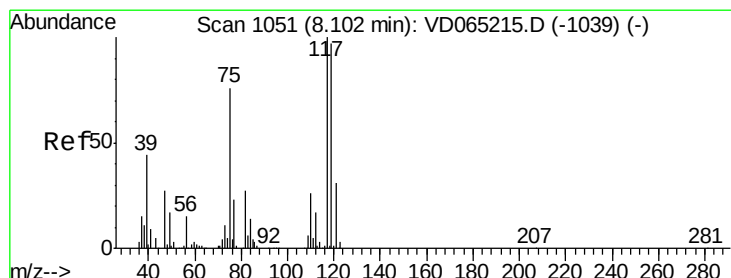
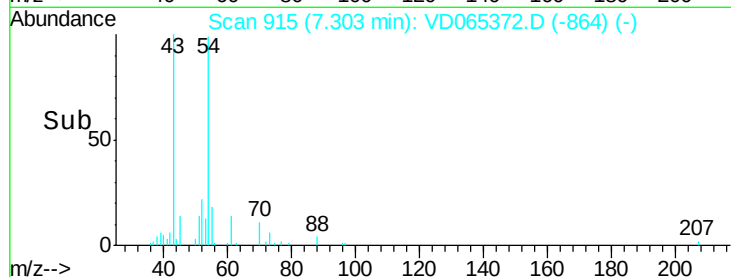
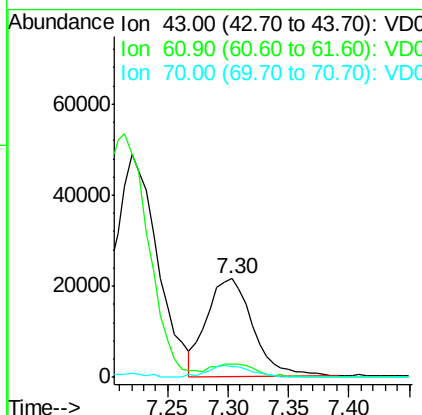
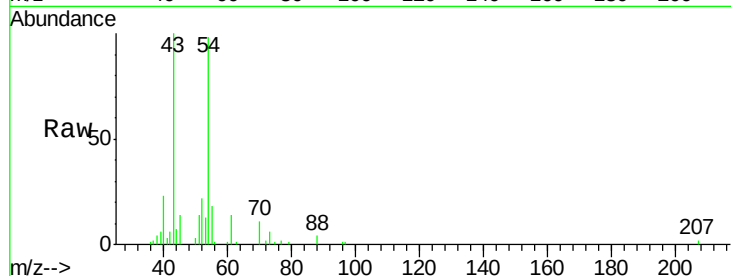
#37
Ethyl Acetate
Concen: 19.912 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	11.2	8.2	12.2

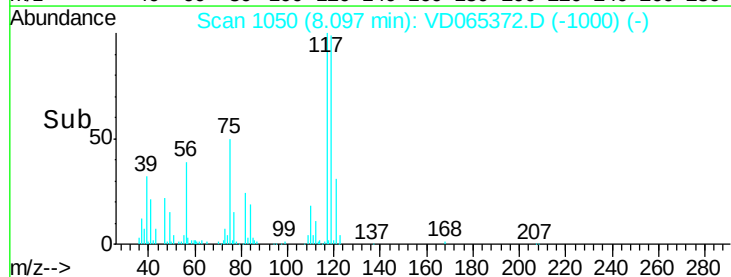
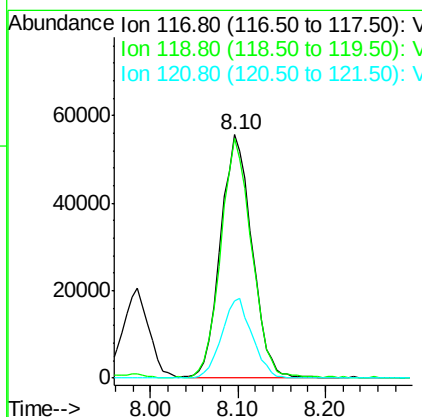
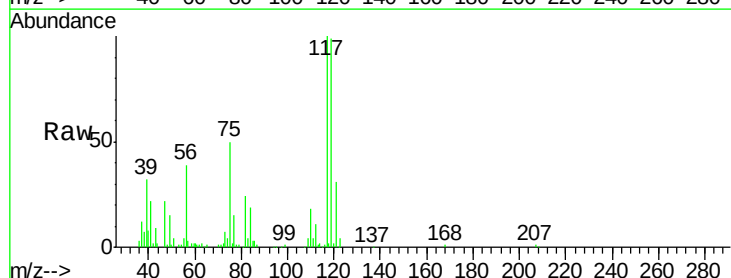
Manual Integrations
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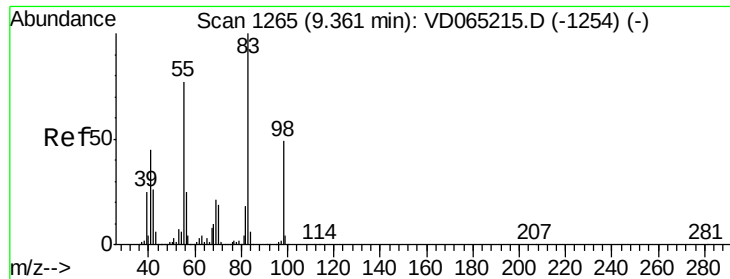
MMDadoda
3/3/2020 11:12:04 AM



#38
Carbon Tetrachloride
Concen: 19.704 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.6	116.4
121	31.5	24.8	37.2





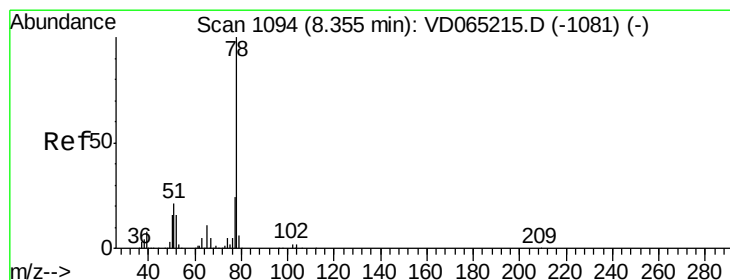
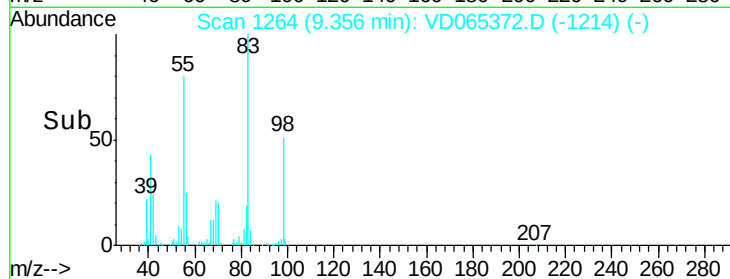
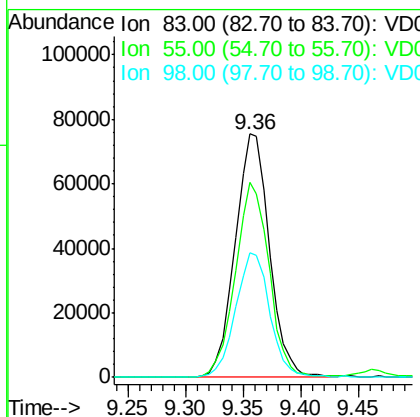
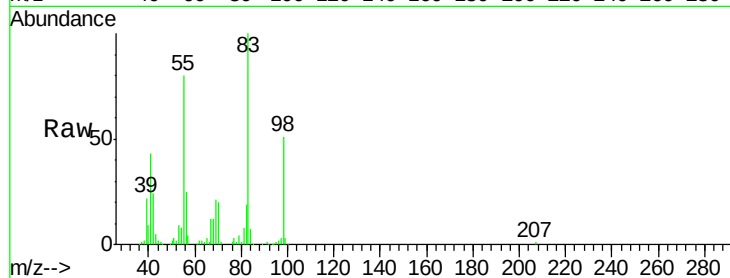
#39
Methylvlcyclohexane
Concen: 19.333 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.8	92.6
98	51.2	39.4	59.0

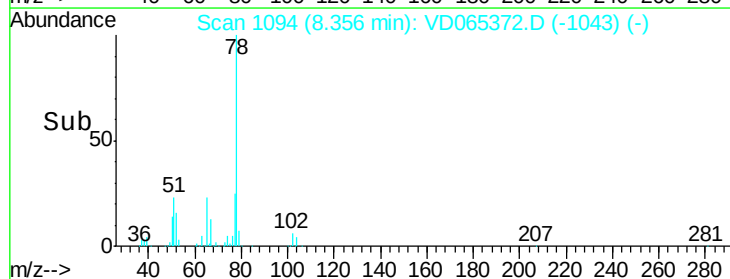
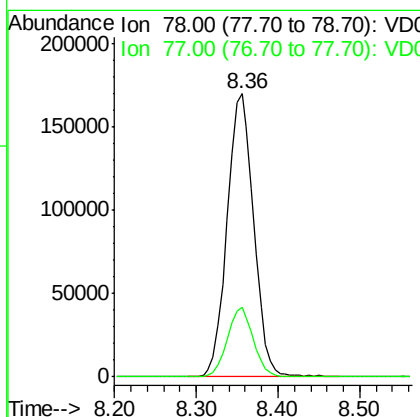
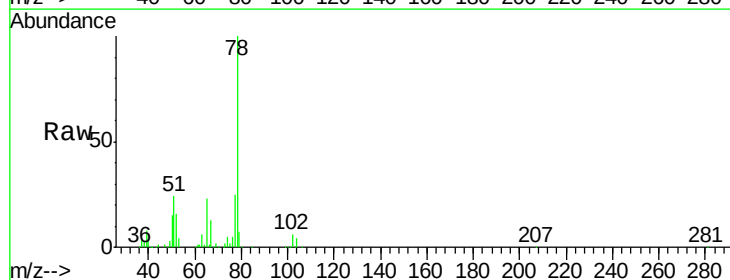
Manual Integrations
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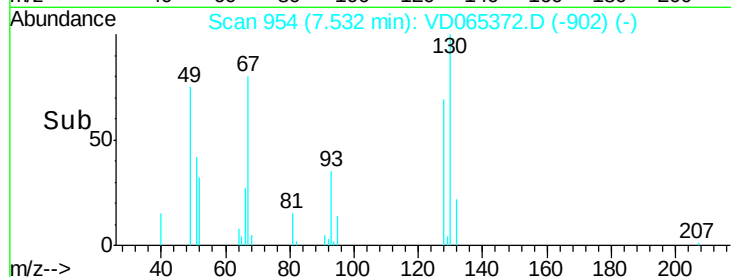
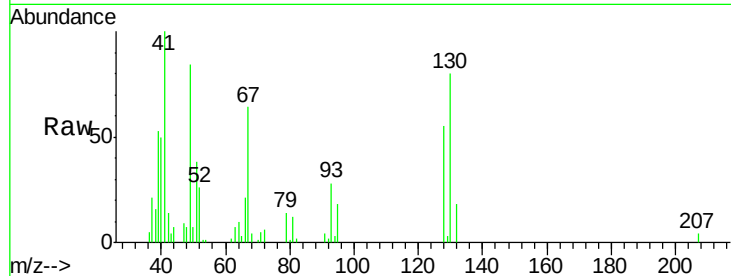
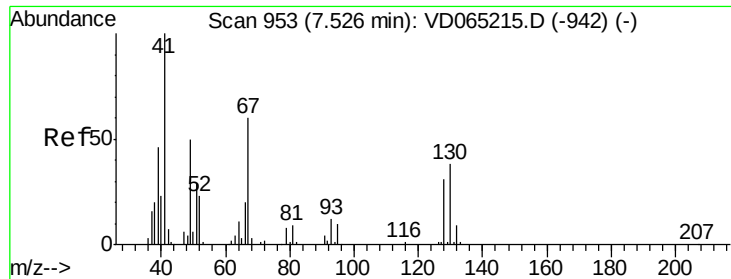
MMDadoda
3/3/2020 11:12:04 AM



#40
Benzene
Concen: 19.961 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





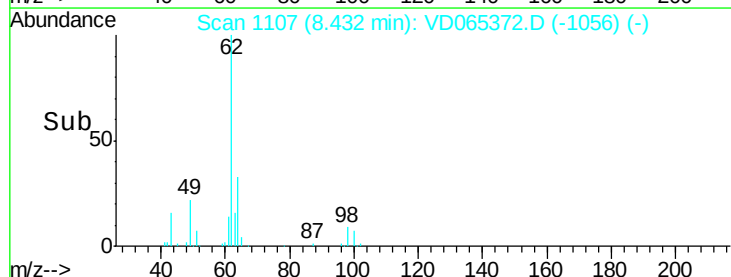
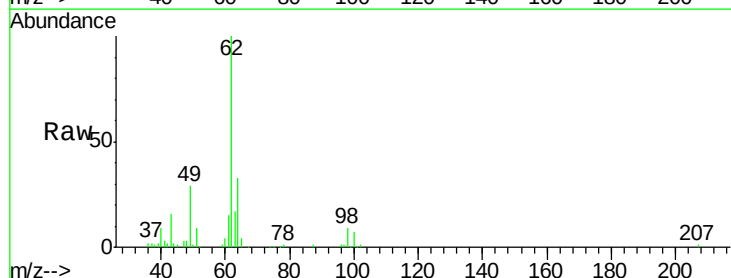
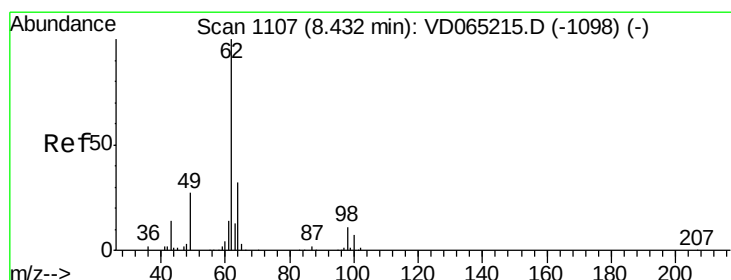
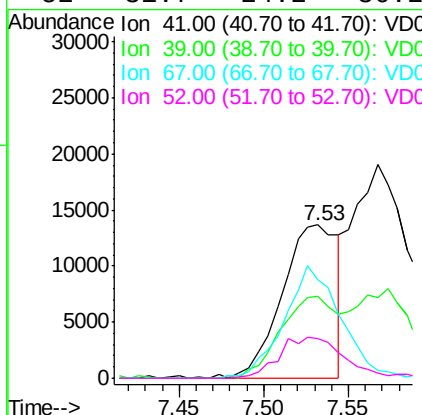
#41
Methacrylonitrile
Concen: 18.974 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31358		
39	52.7	48.1	72.1		
67	74.7	58.9	88.3		
52	31.7	24.2	36.2		

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

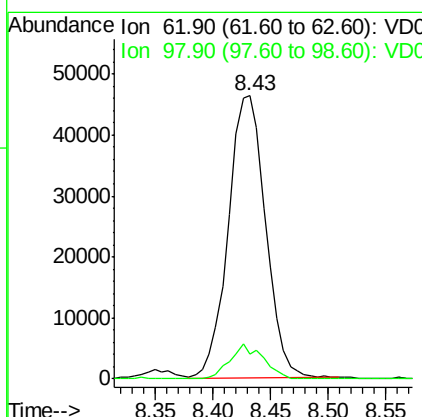
Manual Integrations
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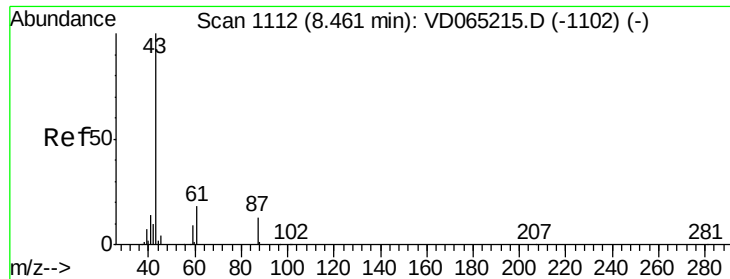
MMDadoda
3/3/2020 11:12:04 AM



#42
1,2-Dichloroethane
Concen: 19.541 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		103820		
98	10.9	0.0	20.6		





#43

Isopropyl Acetate

Concen: 19.407 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

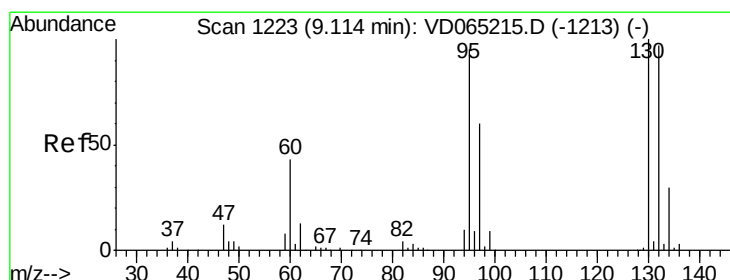
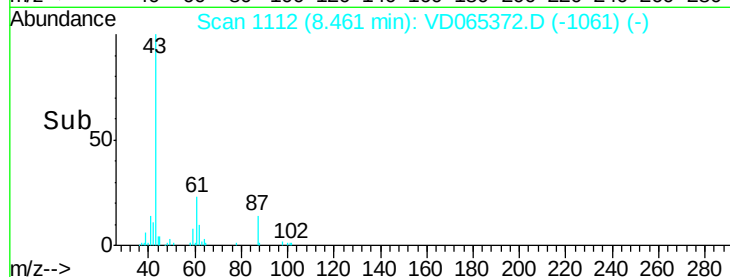
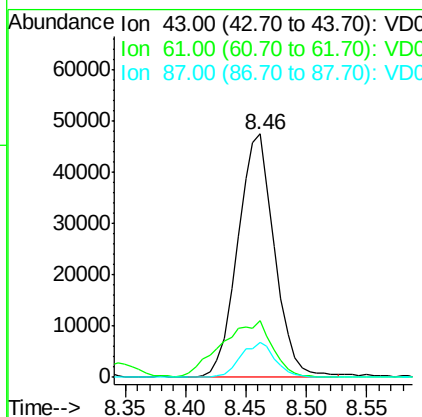
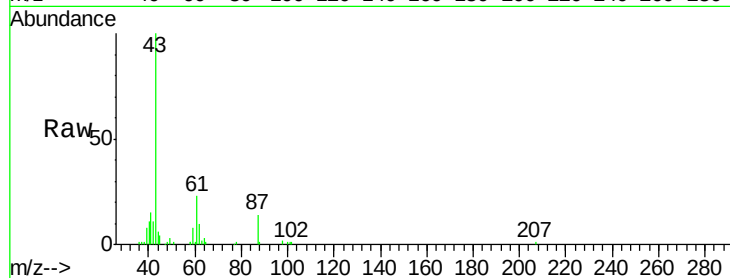
ClientSampleId :

VD0302SBSD01

Tot Ion:	43	Resp:	101013
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 19.785 ug/l

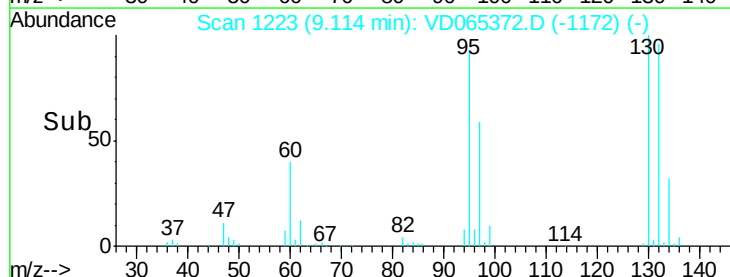
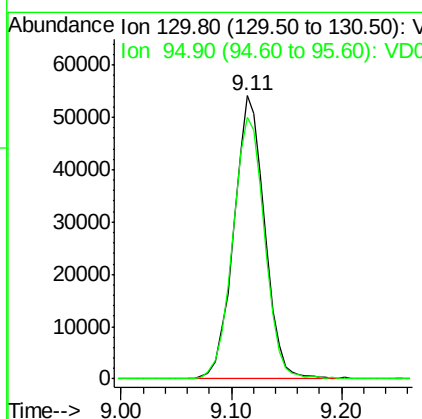
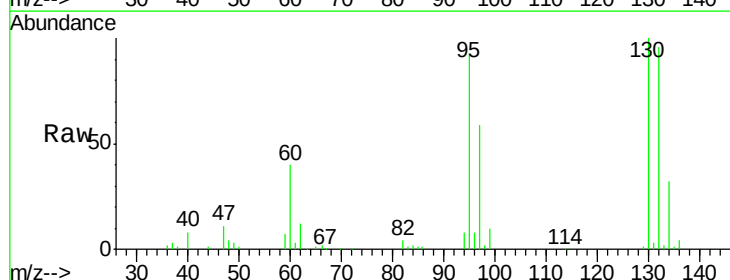
RT: 9.11 min Scan# 1223

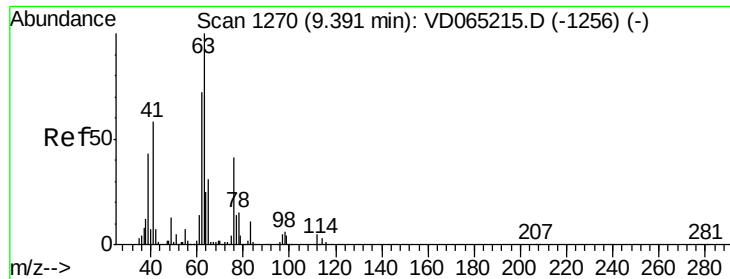
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	130	Resp:	105992
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	190.6





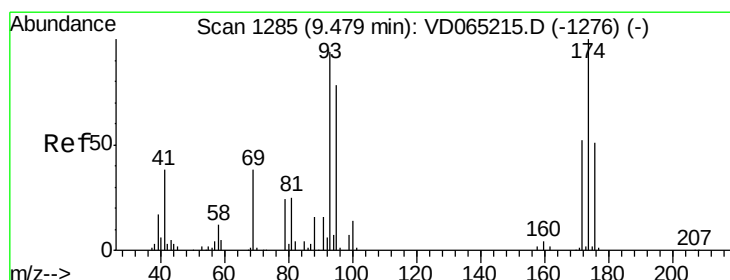
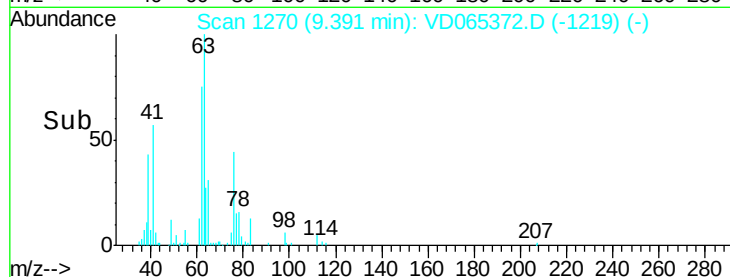
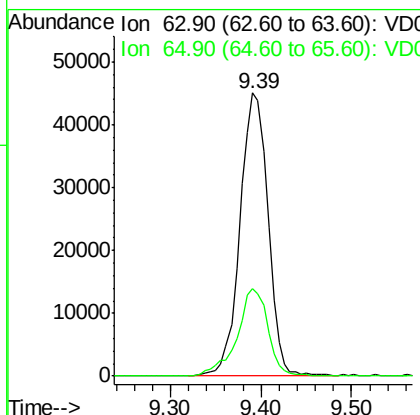
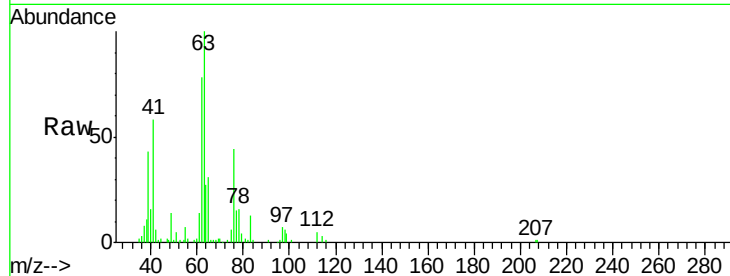
#45
 1,2-Dichloropropane
 Concen: 20.202 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	63	Resp	97080
Ion Ratio	63	100	
Lower	65	31.0	24.9
Upper			37.3

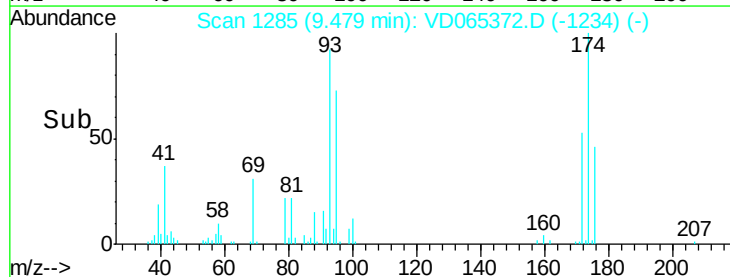
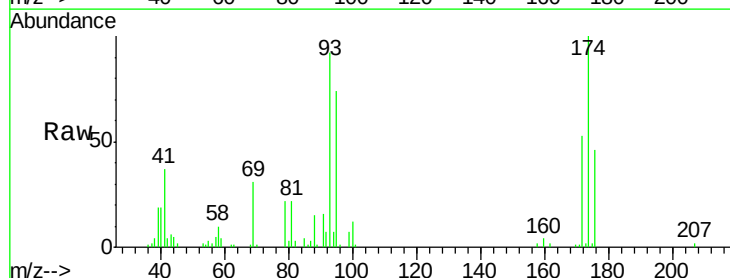
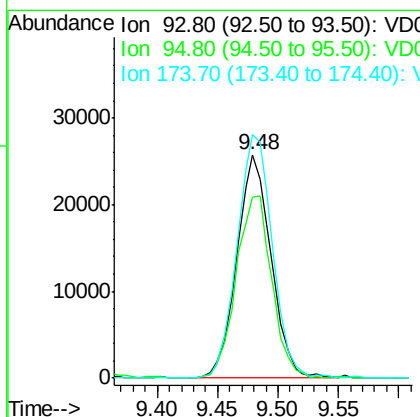
Manual Integrations
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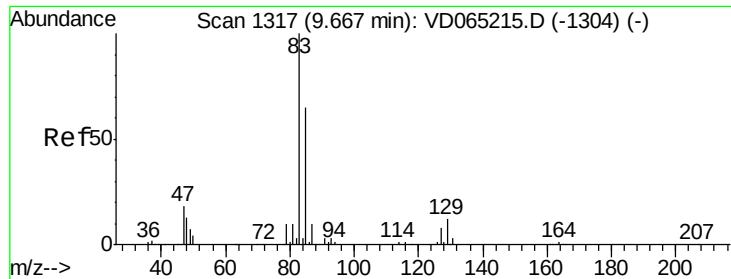
MMDadoda
 3/3/2020 11:12:04 AM



#46
 Dibromomethane
 Concen: 20.563 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	93	Resp	50844
Ion Ratio	93	100	
Lower	95	84.9	65.8
Upper	174	112.4	86.8





#47

Bromodichloromethane

Concen: 20.339 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

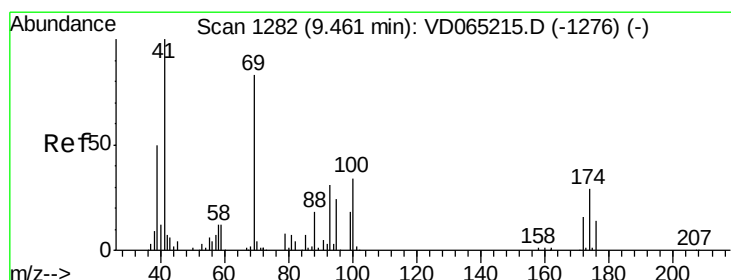
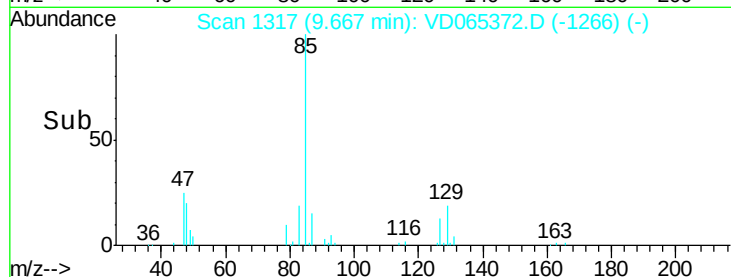
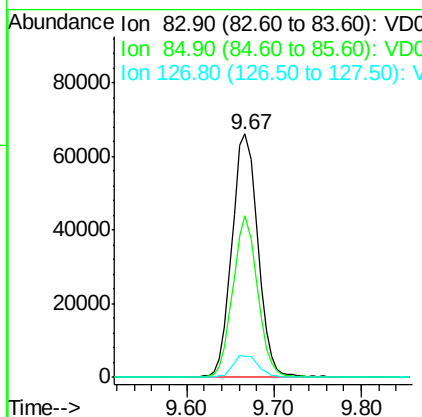
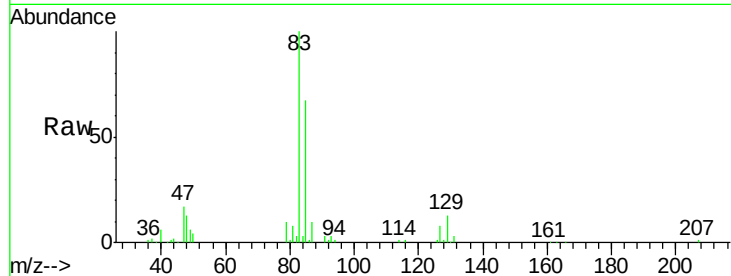
ClientSampleId :

VD0302SBSD01

Tot Ion:	83	Resp:	132530
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.0	78.0
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.494 ug/l

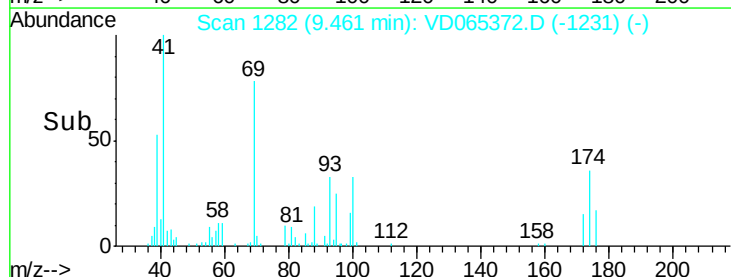
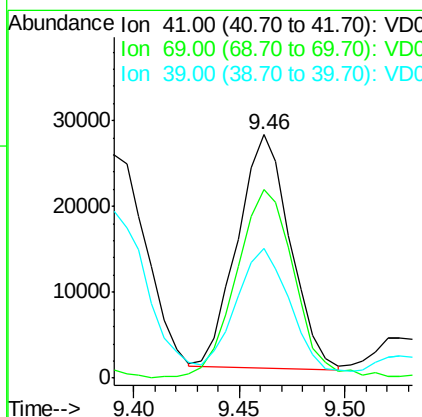
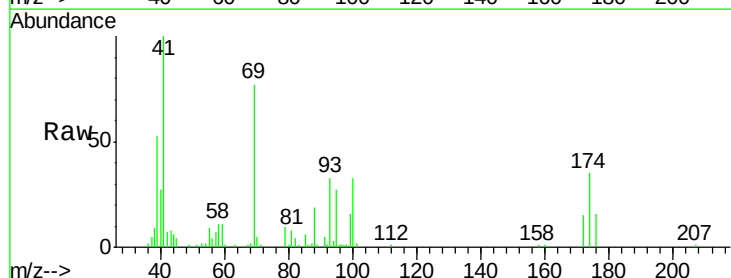
RT: 9.46 min Scan# 1282

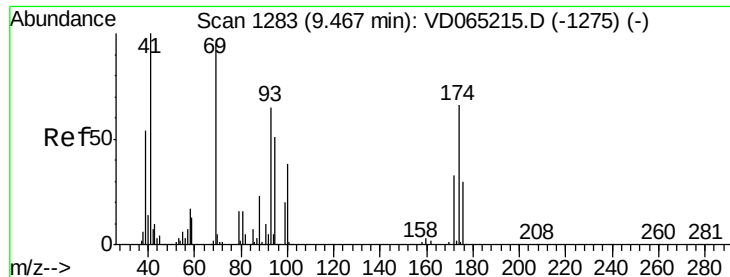
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	41	Resp:	46902
Ion	Ratio	Lower	Upper
41	100		
69	90.1	68.2	102.2
39	53.2	42.0	63.0





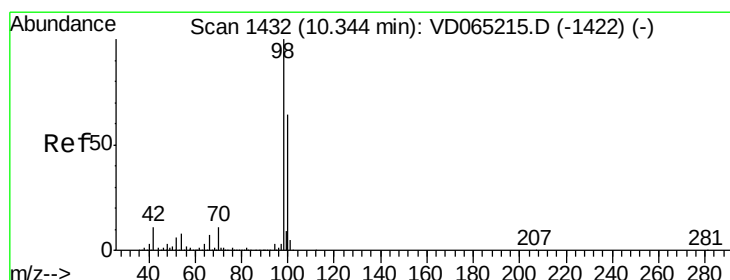
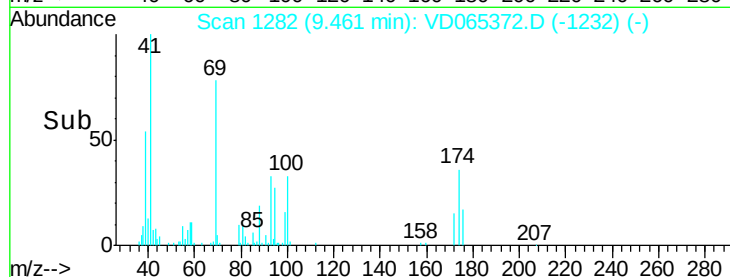
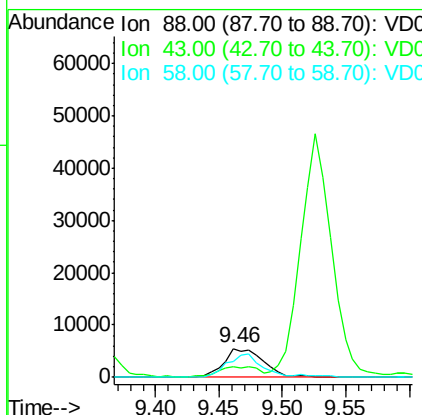
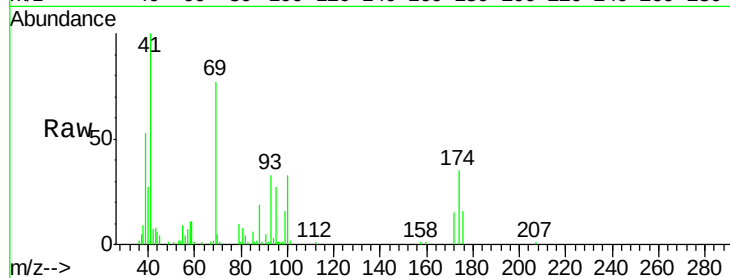
#49
1,4-Dioxane
Concen: 409.974 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	88	Resp	11889
Ion Ratio	Lower	Upper	
88	100		
43	38.2	28.5	42.7
58	70.2	58.6	87.8

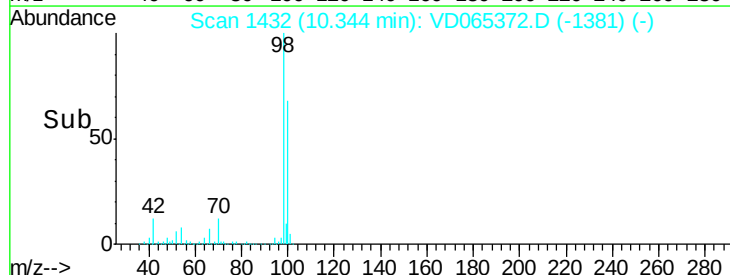
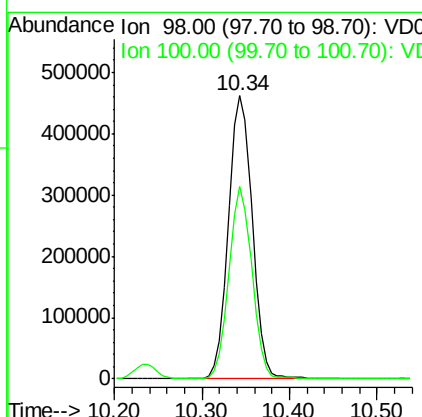
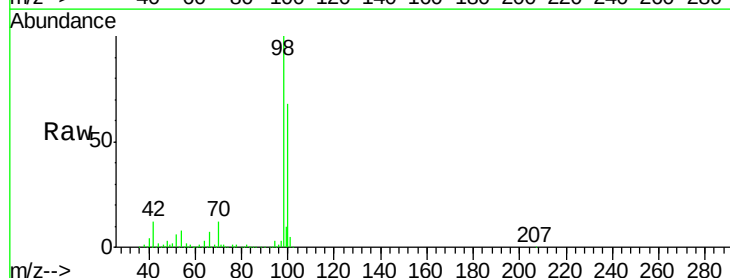
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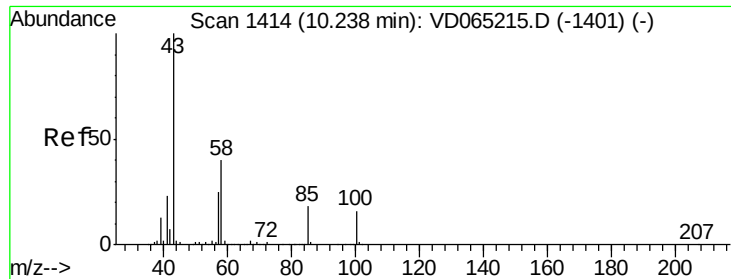
MMDadoda
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#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	98	Resp	852576
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.0	78.0





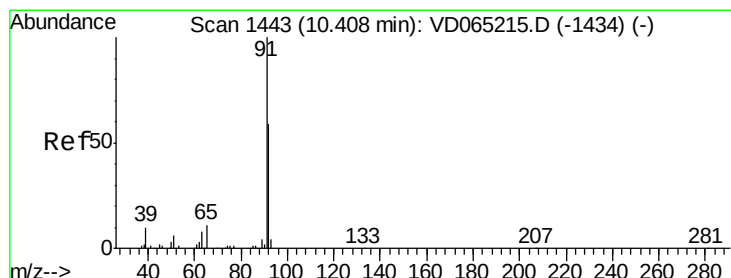
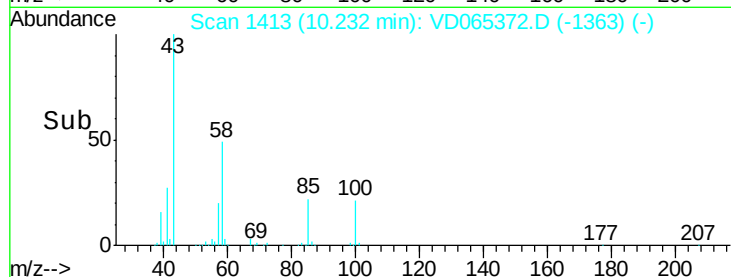
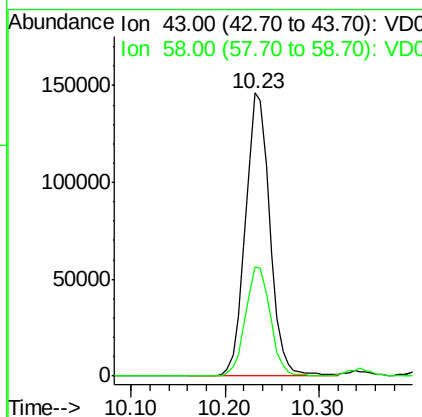
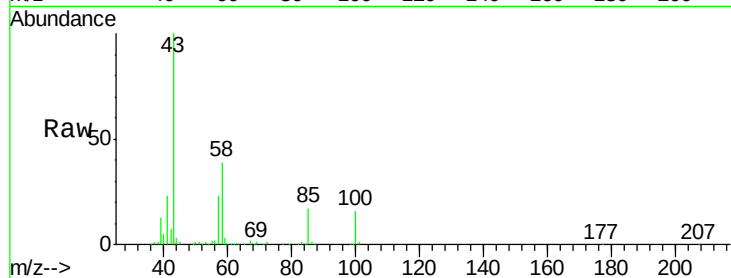
#51
4-Methyl-2-Pentanone
Concen: 99.816 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	43	Resp	263884
Ion Ratio	43	100	
Lower	58	39.2	31.1
Upper			46.7

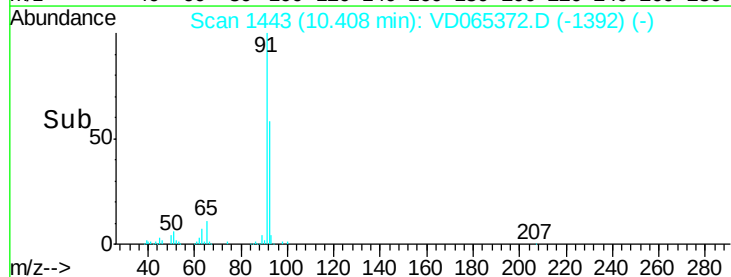
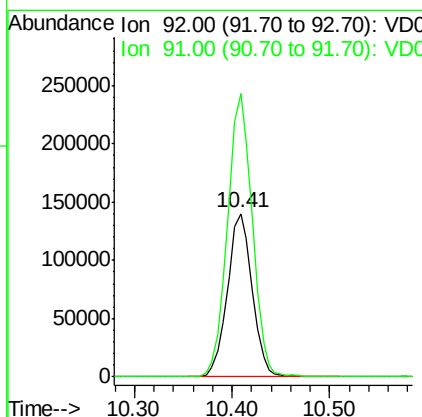
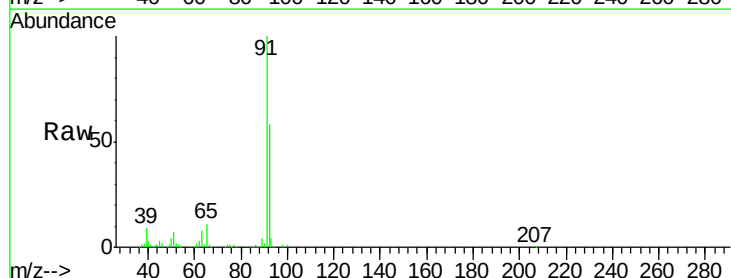
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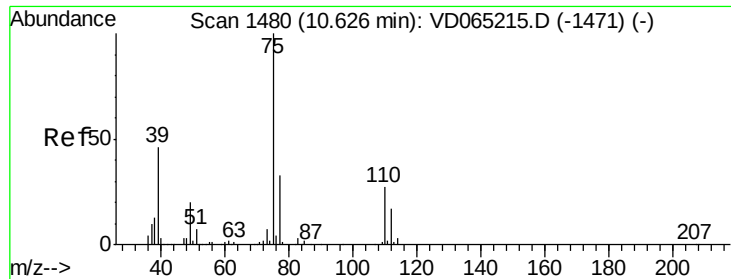
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#52
Toluene
Concen: 20.624 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	92	Resp	246717
Ion Ratio	92	100	
Lower	91	174.0	136.3
Upper			204.5





#53

t-1,3-Dichloropropene

Concen: 19.968 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 75 Resp: 120601

Ion Ratio Lower Upper

75 100

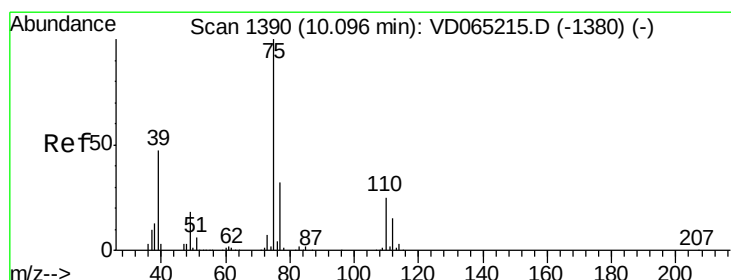
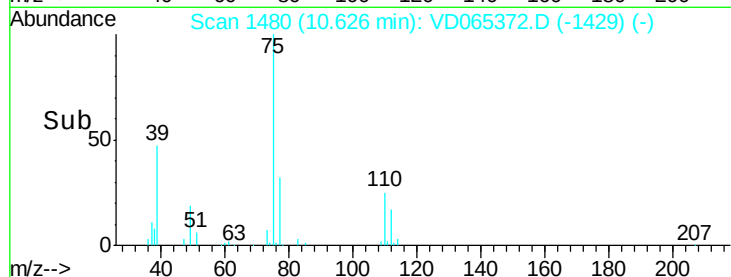
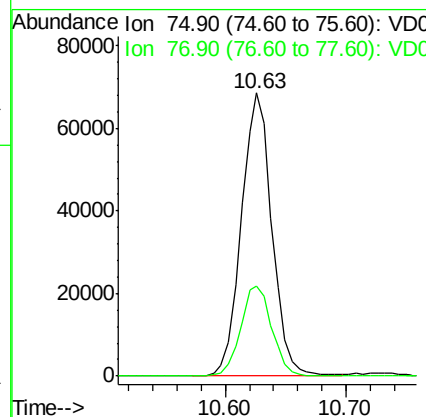
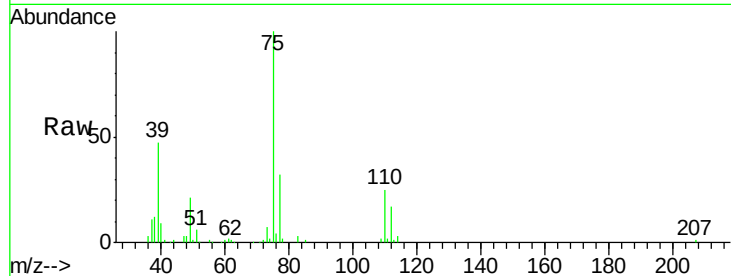
77 32.0 26.6 40.0

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#54

cis-1,3-Dichloropropene

Concen: 20.412 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

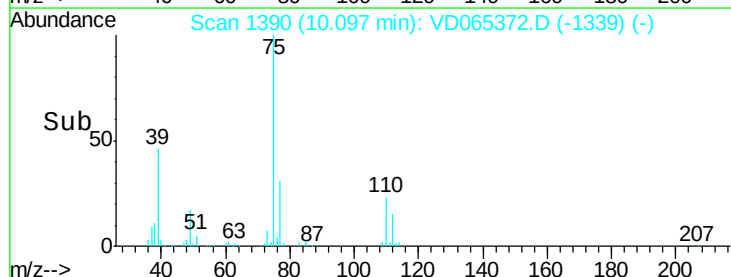
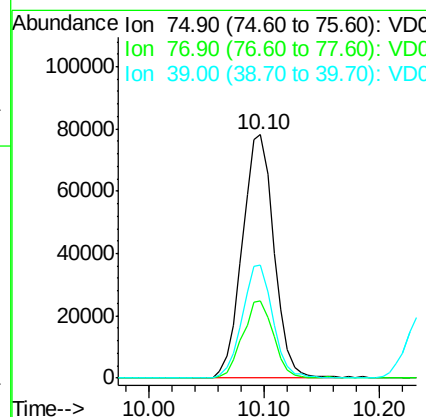
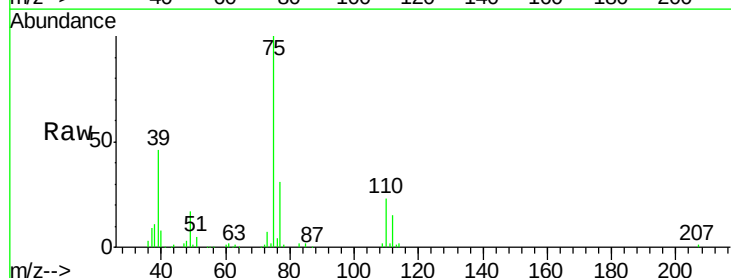
Tgt Ion: 75 Resp: 148868

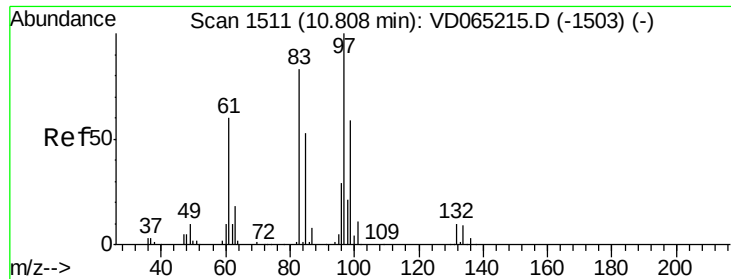
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 45.9 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 20.579 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 97 Resp: 71617

Ion Ratio Lower Upper

97 100

83 78.4 66.7 100.1

85 53.9 42.4 63.6

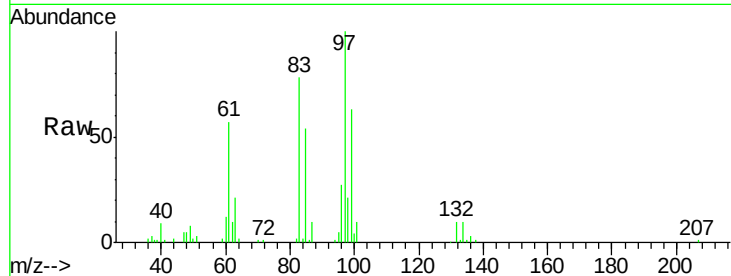
99 62.9 47.5 71.3

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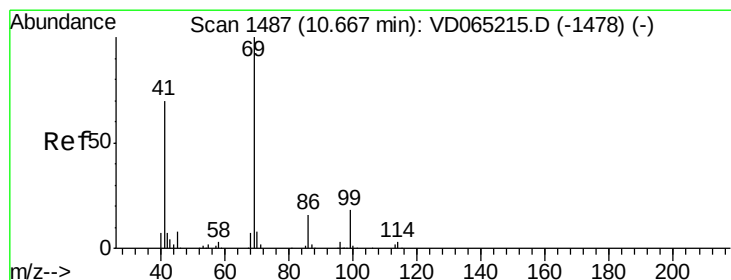
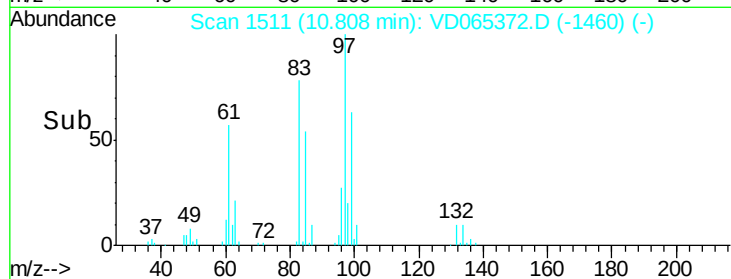
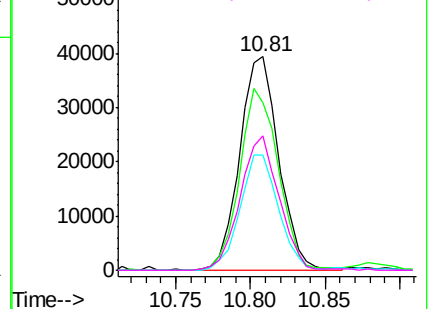


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.647 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

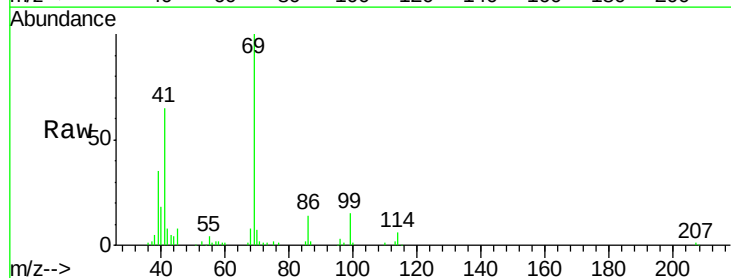
Tgt Ion: 69 Resp: 78918

Ion Ratio Lower Upper

69 100

41 66.6 54.6 81.8

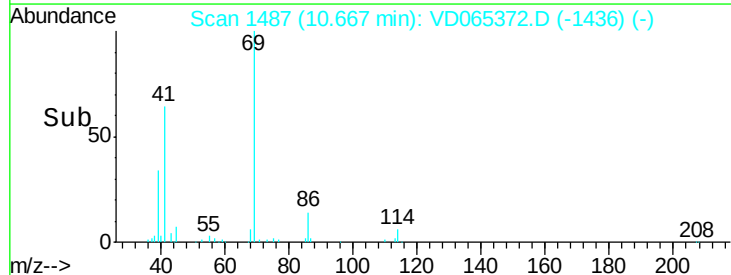
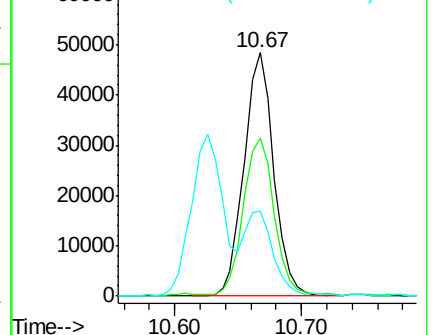
39 32.8 26.5 39.7

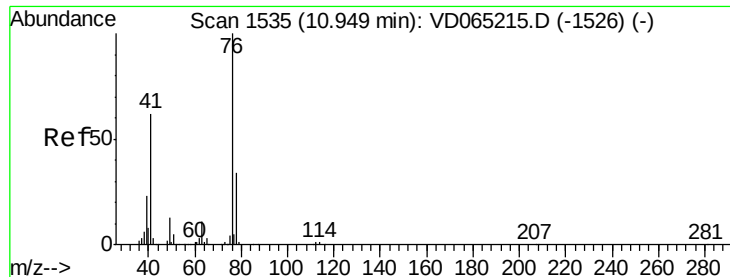


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





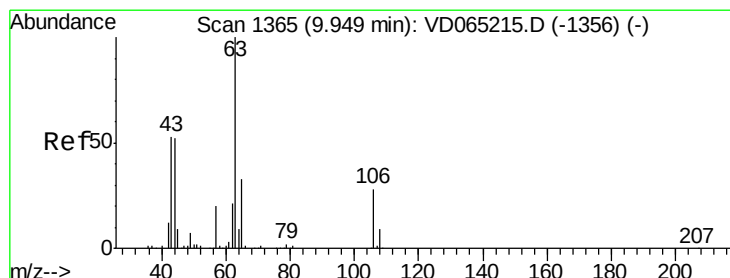
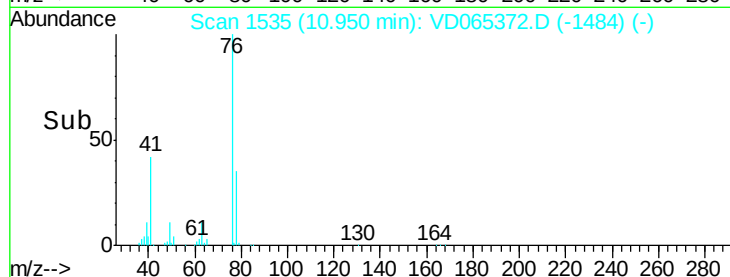
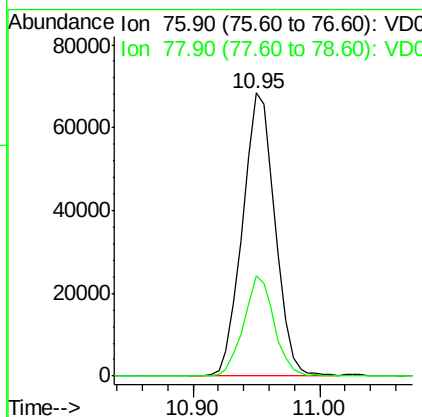
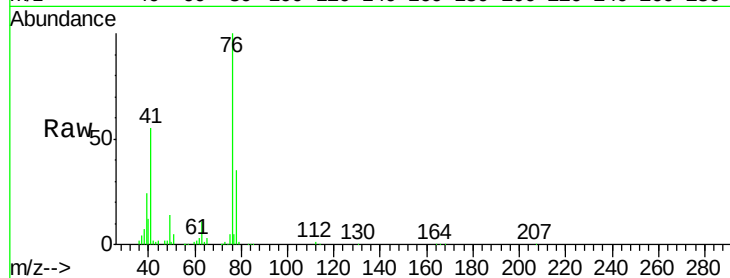
#57
 1,3-Dichloropropane
 Concen: 20.564 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.3	39.5

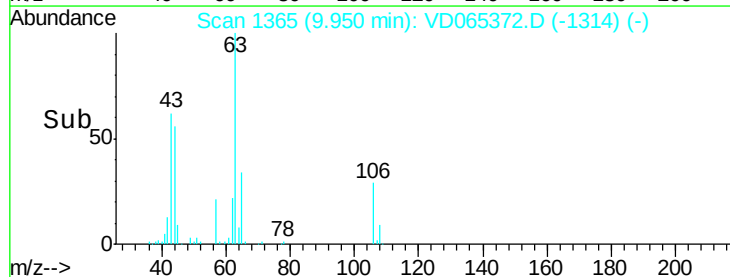
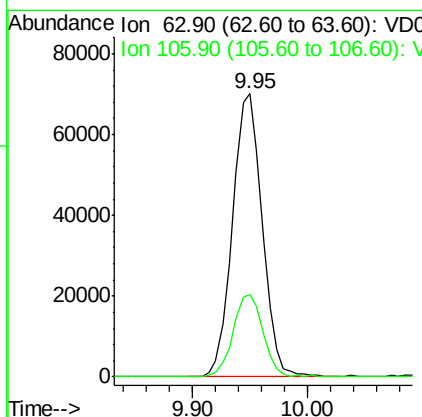
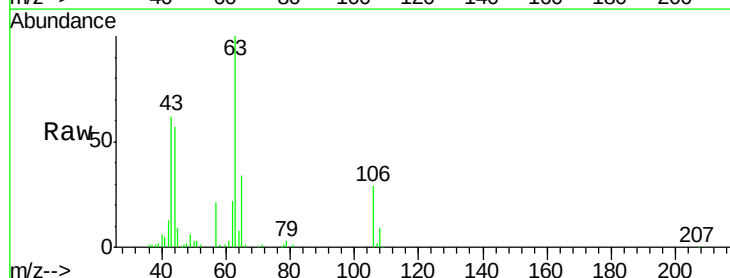
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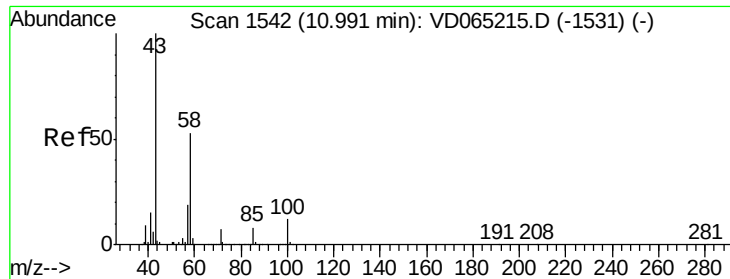
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.752 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.8	34.2





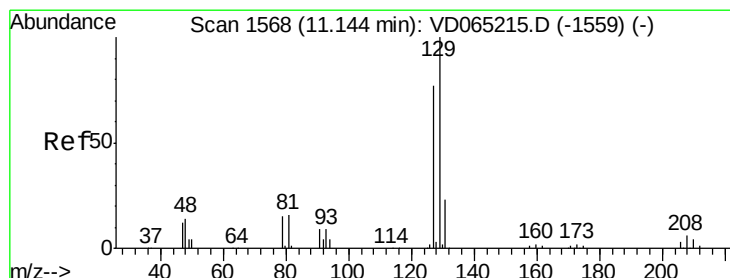
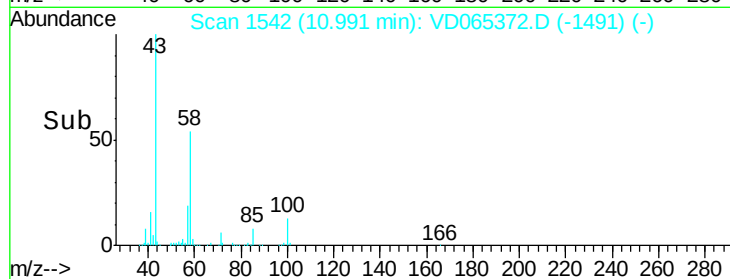
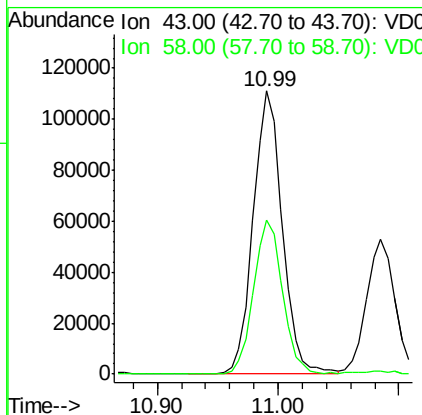
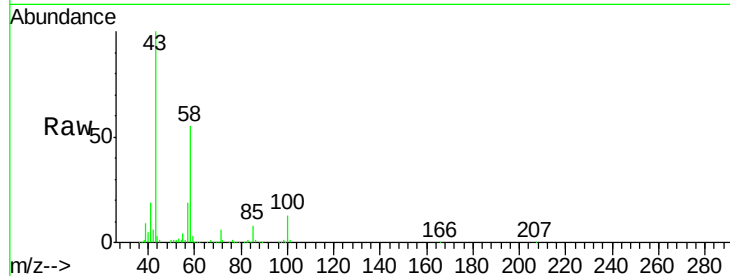
#59
2-Hexanone
Concen: 98.319 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion: 43 Resp: 186066
Ion Ratio Lower Upper
43 100
58 54.6 26.3 78.8

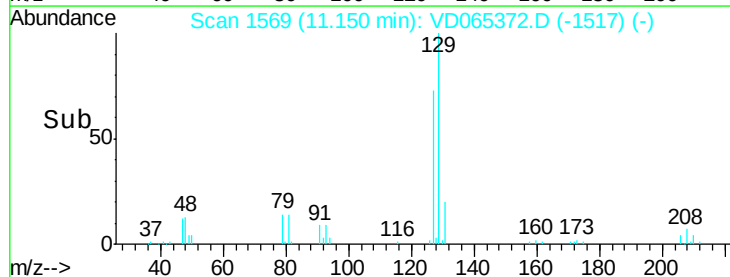
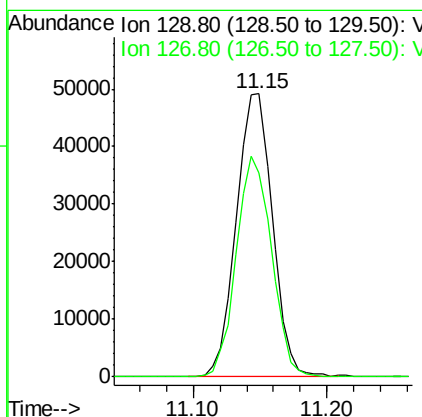
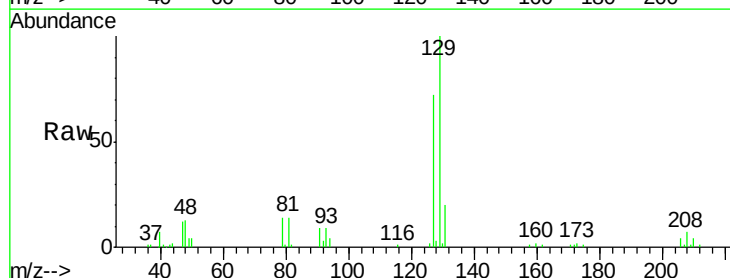
Manual Integrations
APPROVED

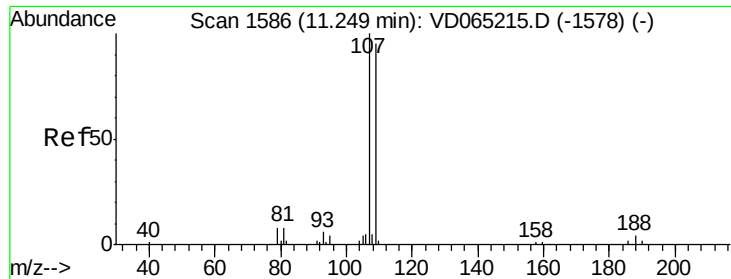
MMDadoda
3/3/2020 11:12:04 AM



#60
Dibromochloromethane
Concen: 20.719 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion: 129 Resp: 92289
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.900 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 107 Resp: 68868

Ion Ratio Lower Upper

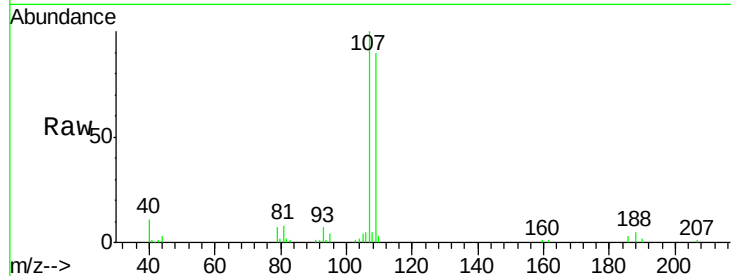
107 100

109 94.5 76.2 114.4

Manual Integrations
APPROVED

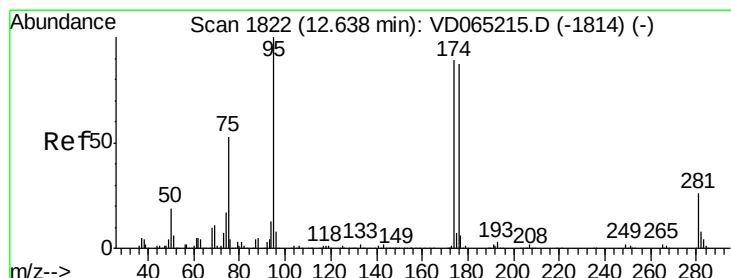
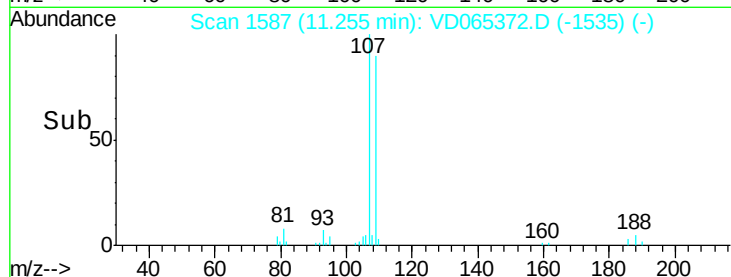
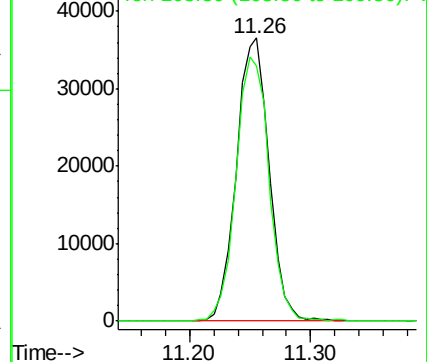
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.555 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

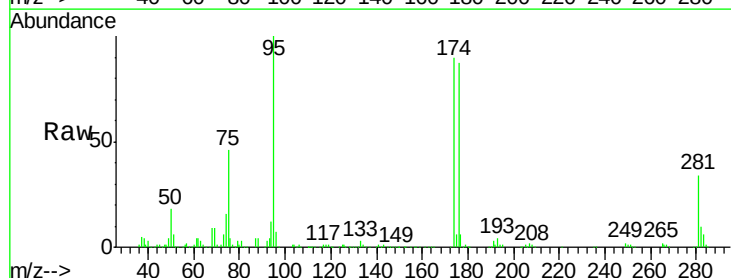
Tgt Ion: 95 Resp: 278283

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.0

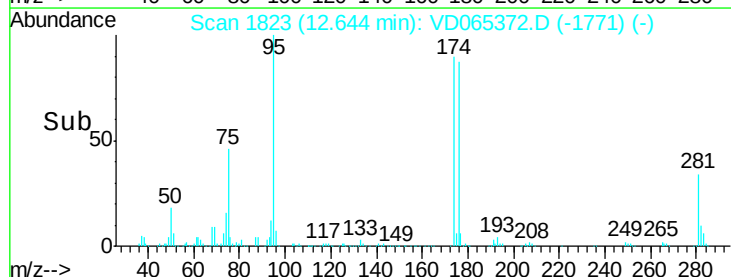
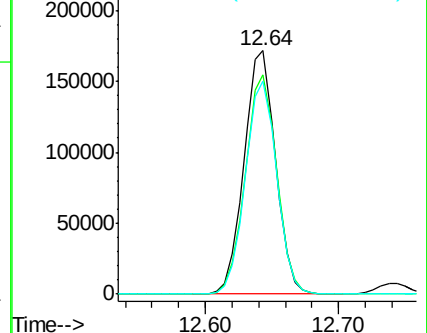
176 87.5 0.0 174.4

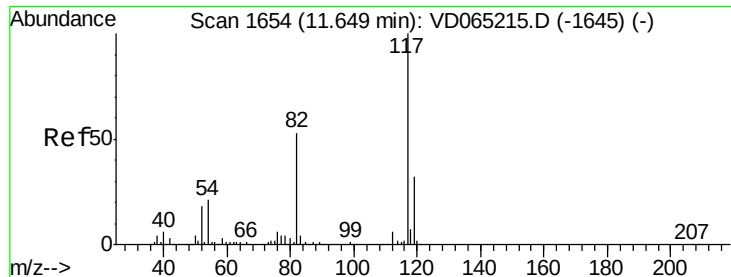


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





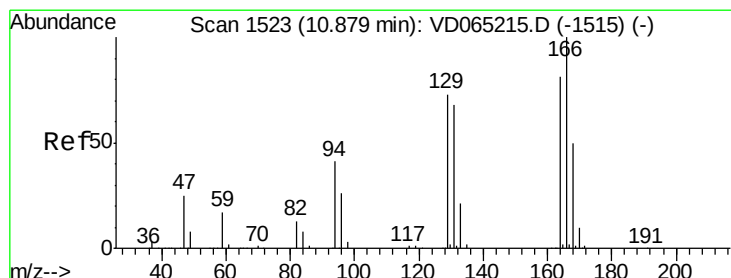
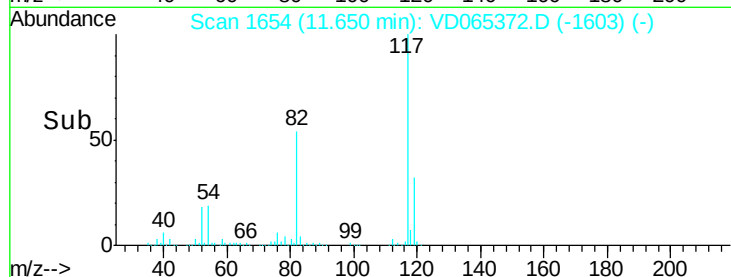
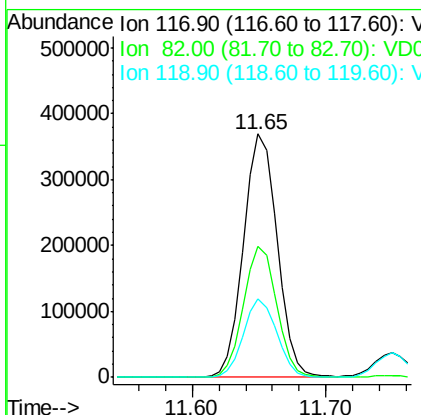
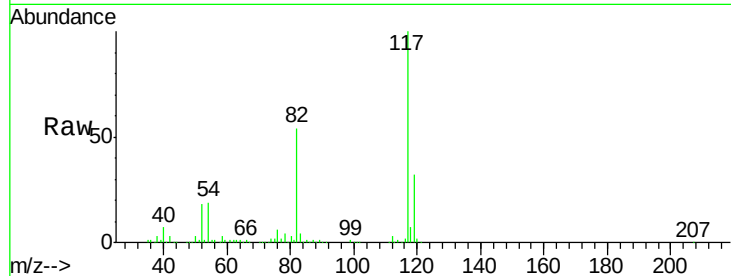
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.7	64.1
119	32.4	25.5	38.3

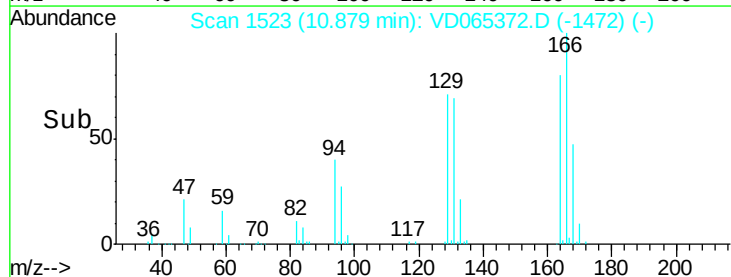
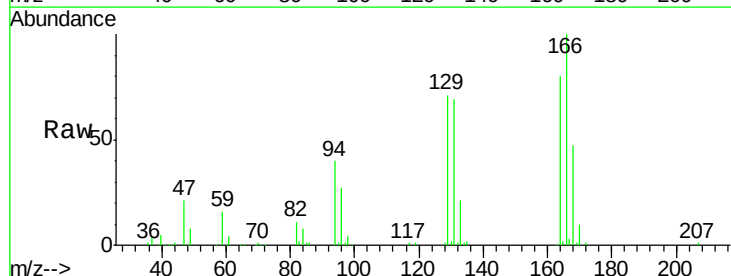
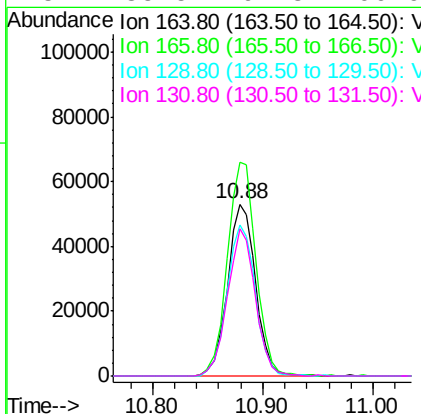
Manual Integrations
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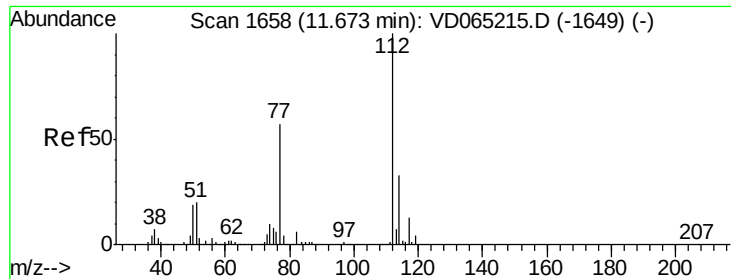
MMDadoda
3/3/2020 11:12:04 AM



#64
Tetrachloroethene
Concen: 20.575 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	98.4	147.6
129	88.1	71.6	107.4
131	85.5	67.3	100.9





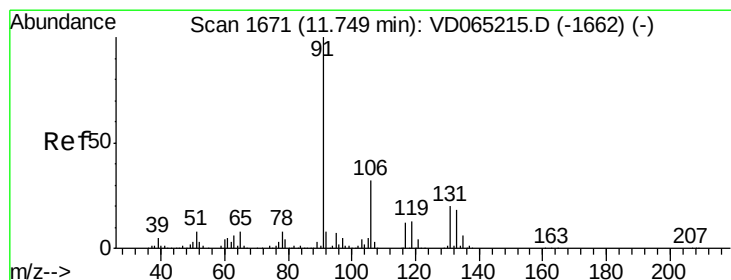
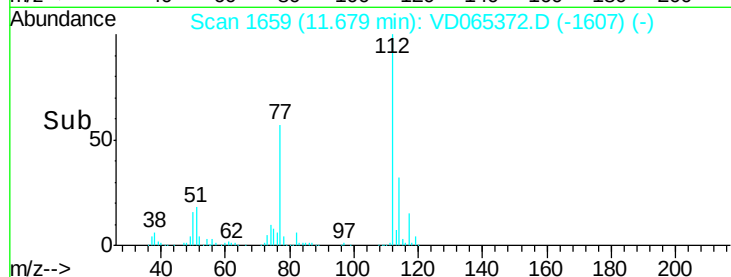
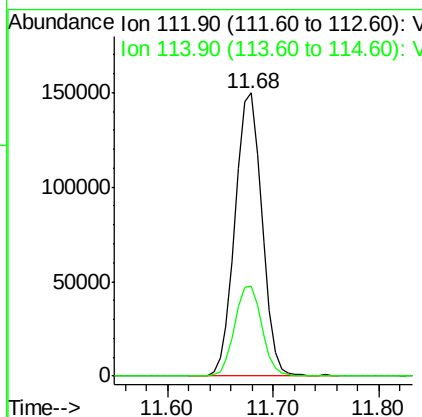
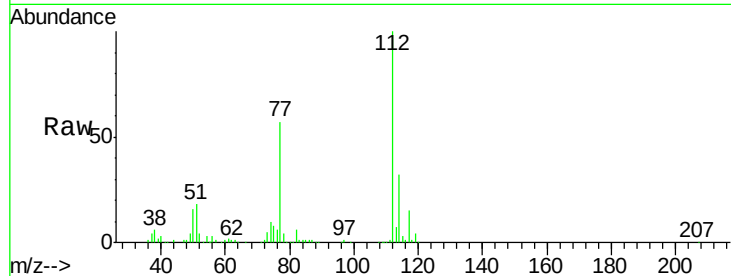
#65
Chlorobenzene
Concen: 20.400 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.4	39.6

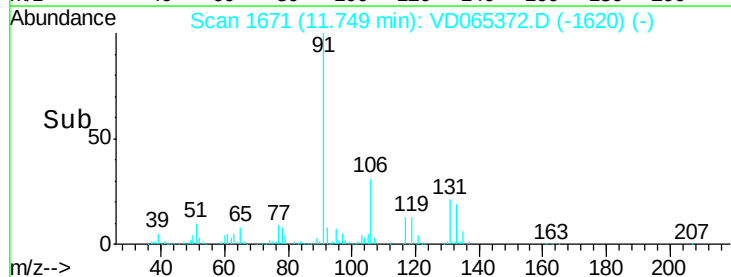
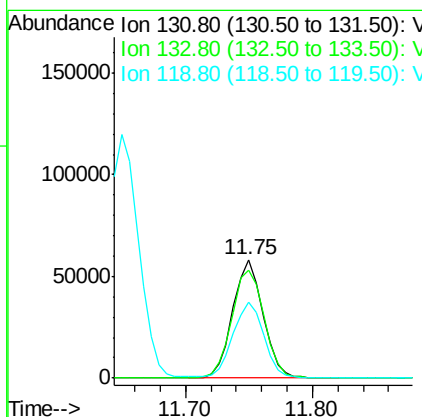
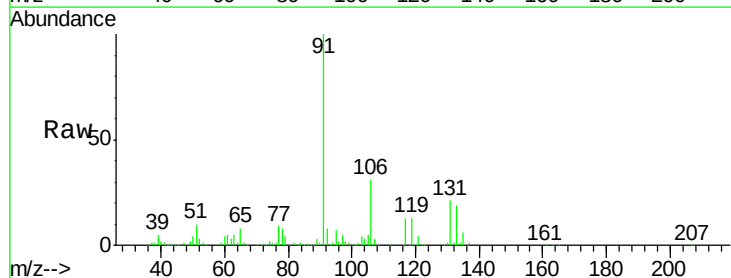
Manual Integrations
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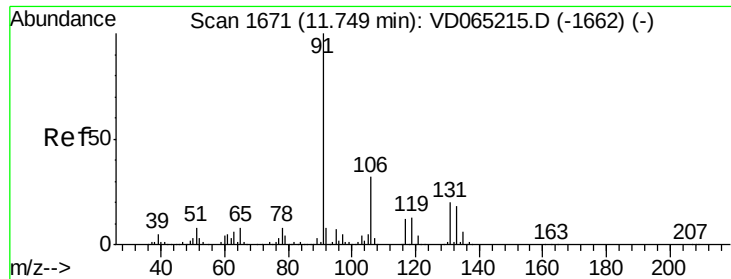
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.977 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.7	143.1
119	66.1	32.7	98.1





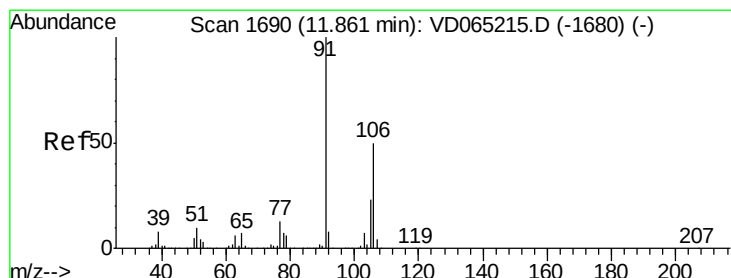
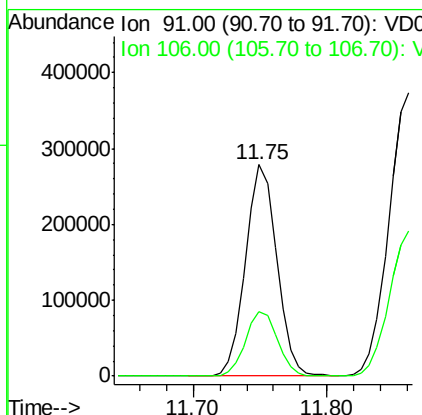
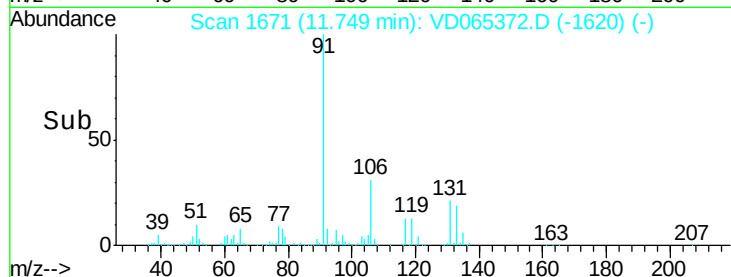
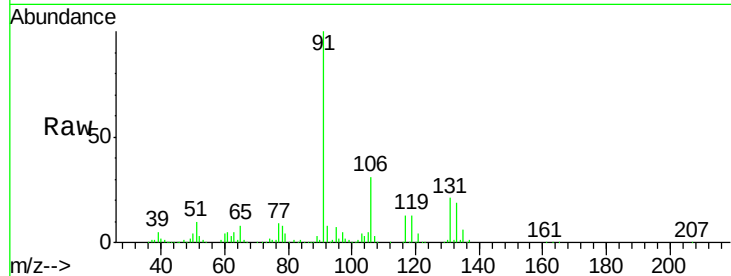
#67
Ethyl Benzene
Concen: 19.933 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion: 91 Resp: 451787
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8

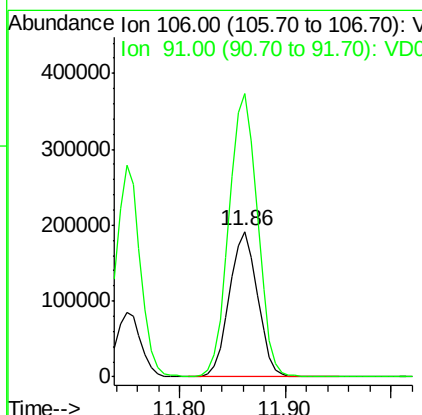
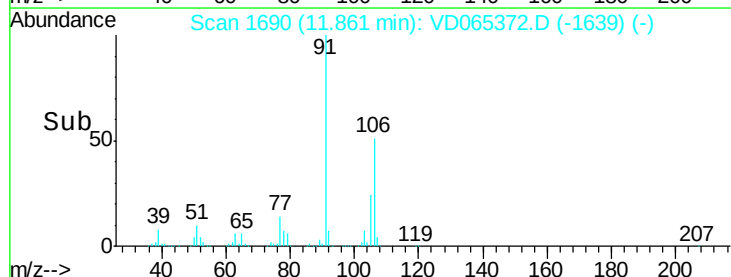
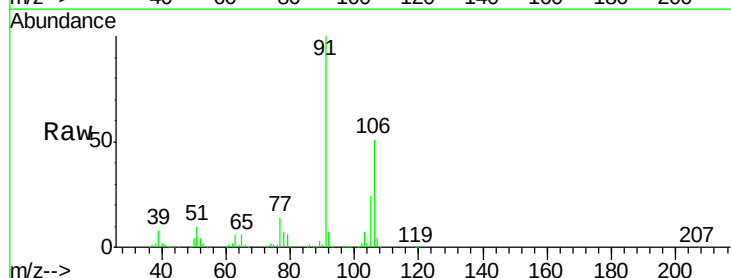
Manual Integrations
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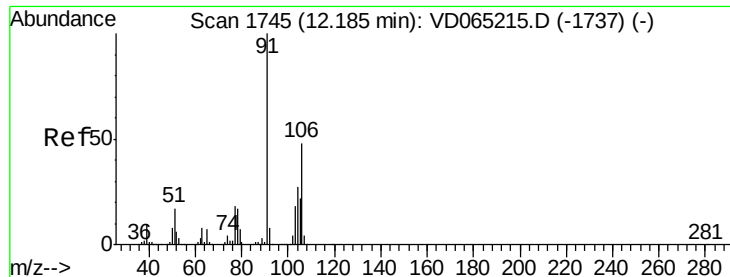
MMDadoda
3/3/2020 11:12:04 AM



#68
m/p-Xylenes
Concen: 40.594 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion: 106 Resp: 352013
Ion Ratio Lower Upper
106 100
91 198.1 158.2 237.4





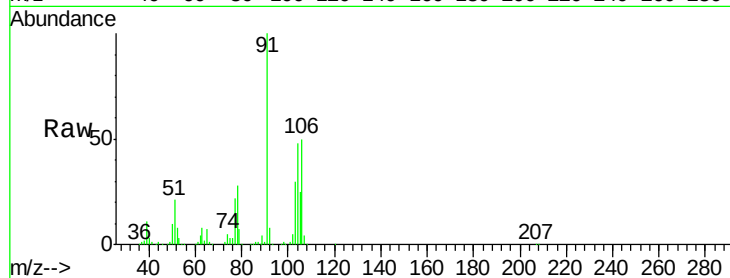
#69
o-Xylene
Concen: 20.396 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

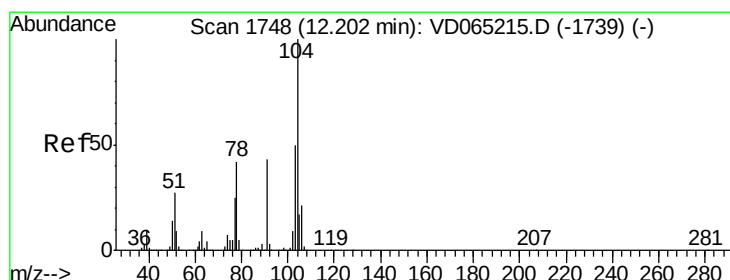
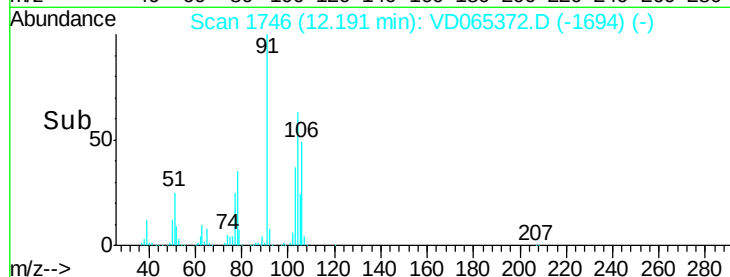
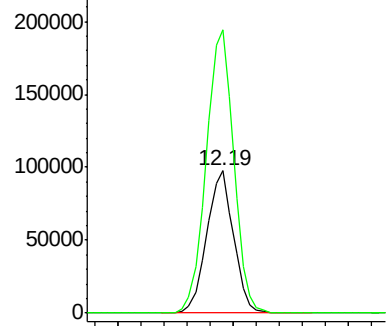
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	156690		
91	91	204.2	104.7	313.9	

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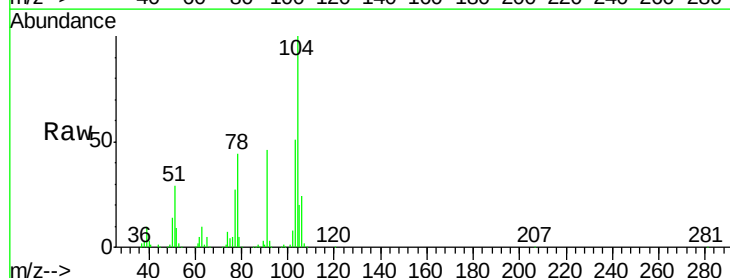


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

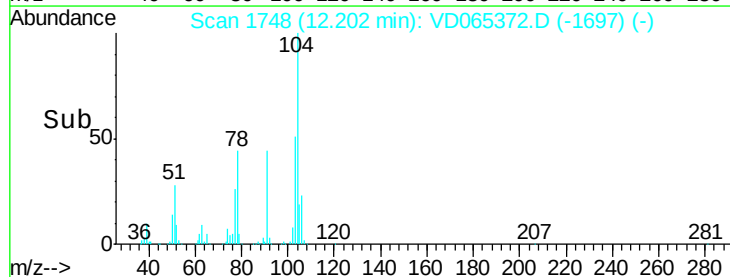
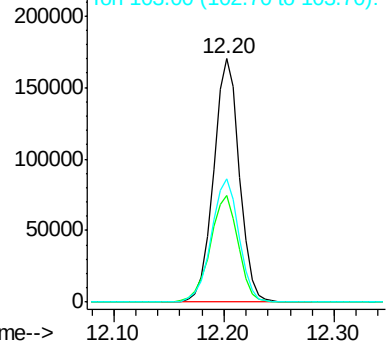


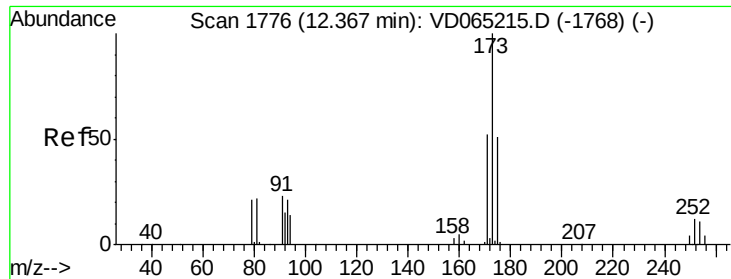
#70
Styrene
Concen: 20.420 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	278536		
78	78	47.7	37.8	56.6	
103	103	54.6	43.4	65.2	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





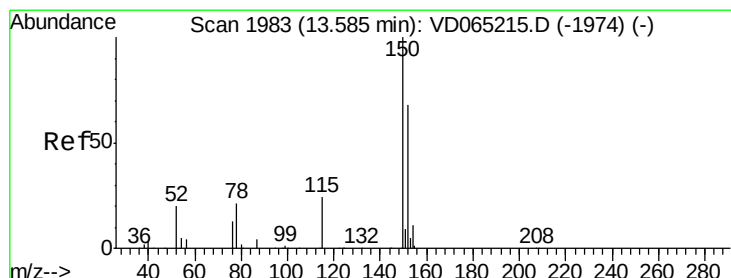
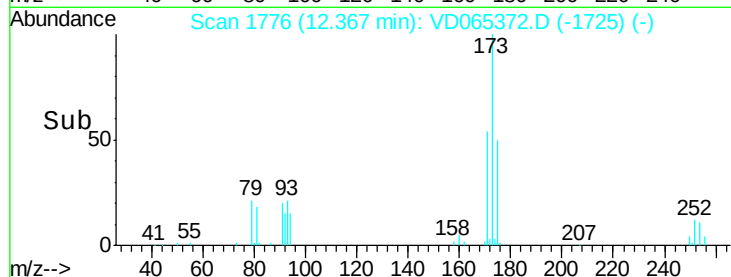
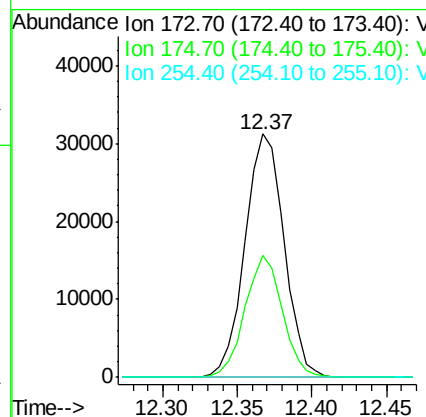
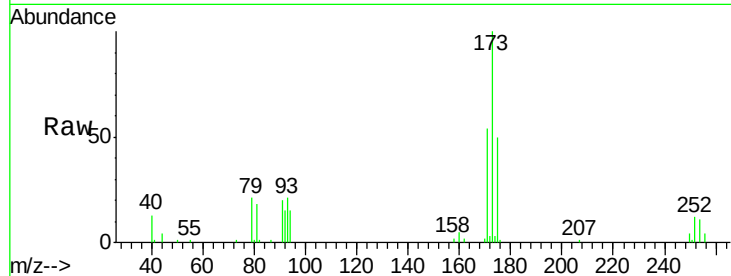
#71
Bromoform
Concen: 21.141 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.4
254	0.0	0.0	0.0

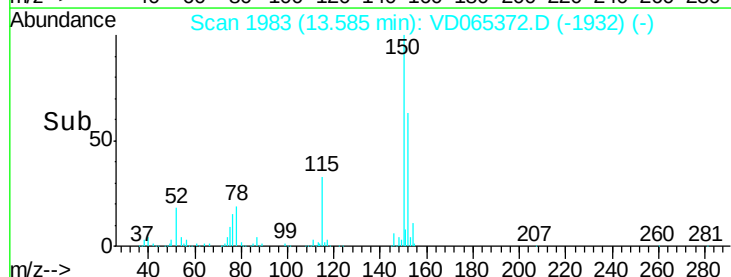
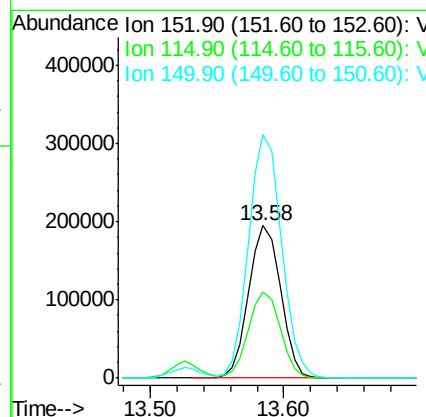
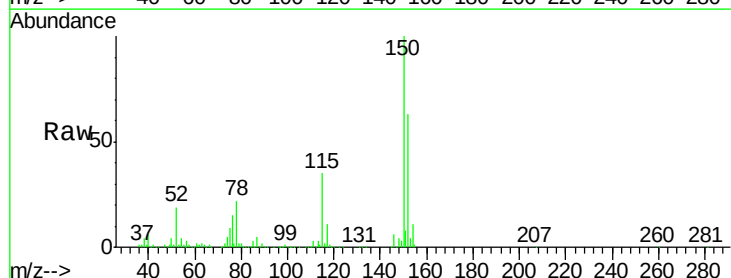
Manual Integrations
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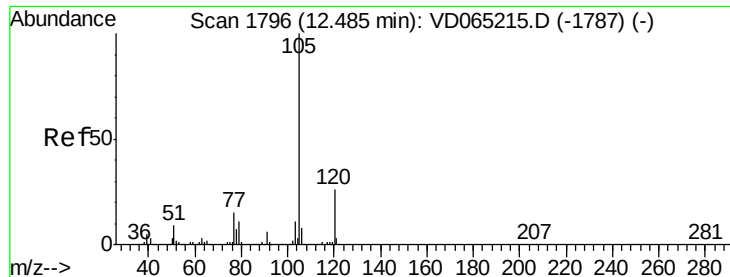
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.6	82.8
150	164.6	0.0	347.4





#73

Isopropylbenzene

Concen: 19.718 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion: 105 Resp: 421877

Ion Ratio Lower Upper

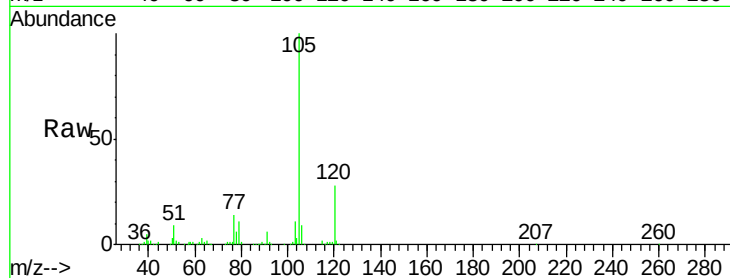
105 100

120 27.1 13.3 39.9

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

Ion 120.00 (119.70 to 120.70): V

12.49

250000

200000

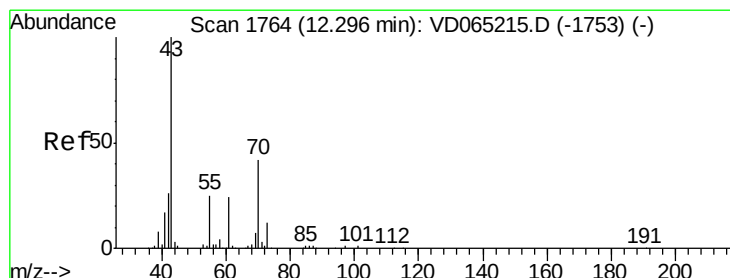
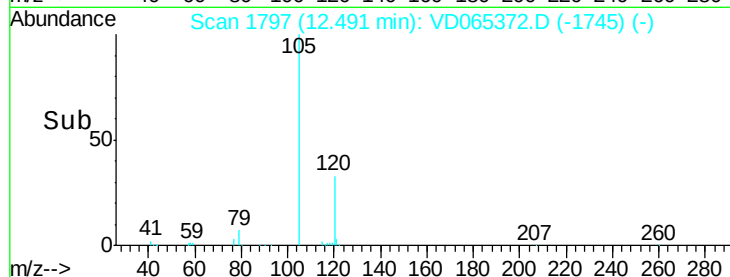
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.443 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion: 43 Resp: 92438

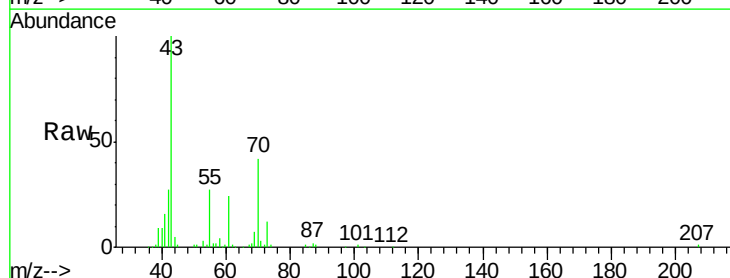
Ion Ratio Lower Upper

43 100

70 43.2 33.7 50.5

55 28.7 20.7 31.1

61 23.8 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

12.30

80000

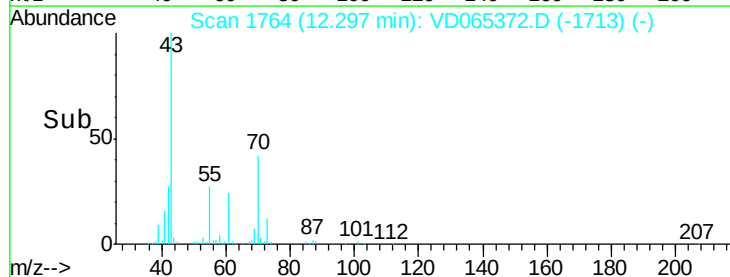
60000

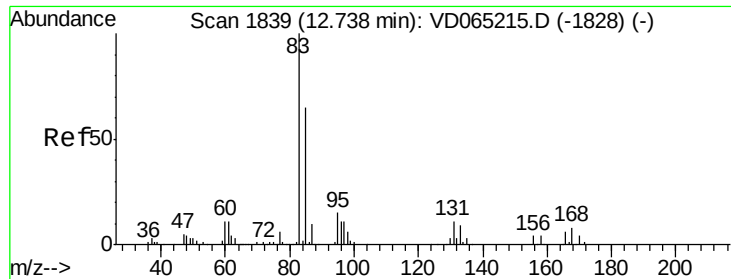
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.064 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

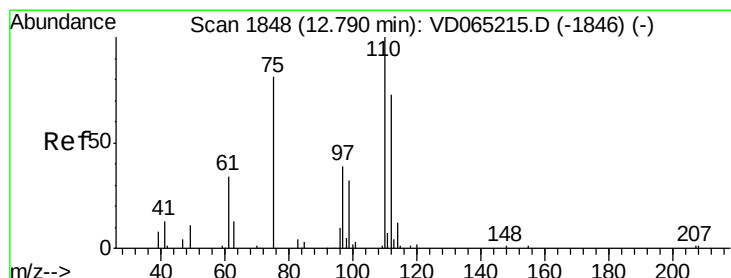
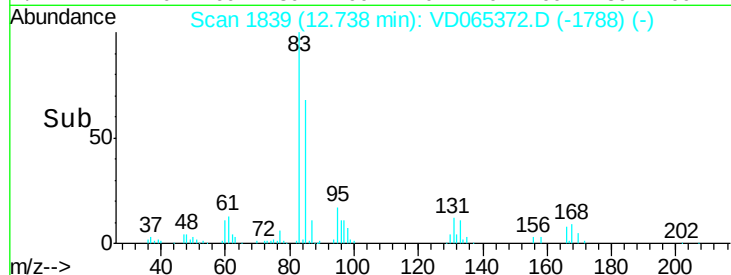
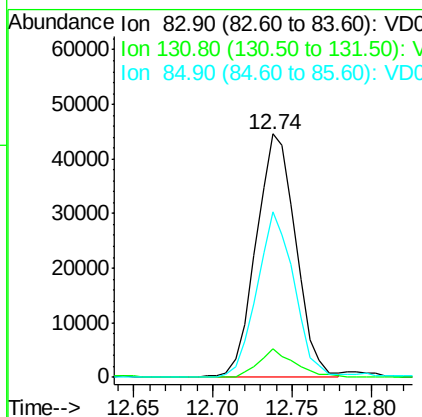
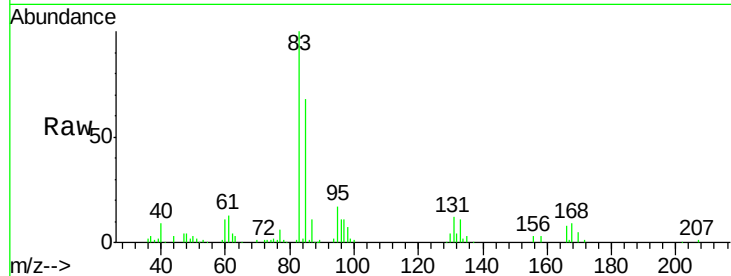
ClientSampleId :

VD0302SBSD01

Tot Ion:	83	Resp:	77476
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	63.8	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.448 ug/l m

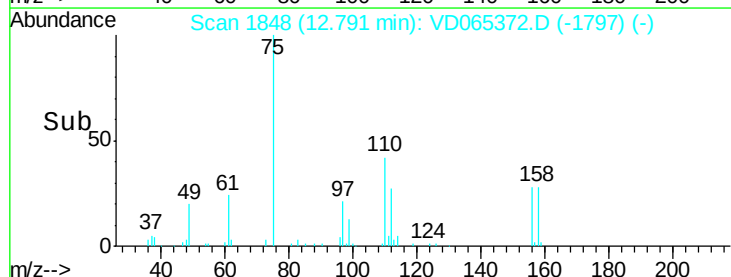
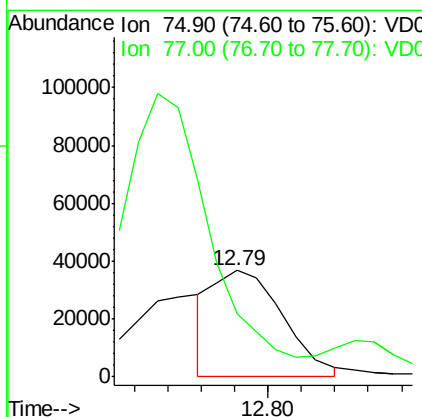
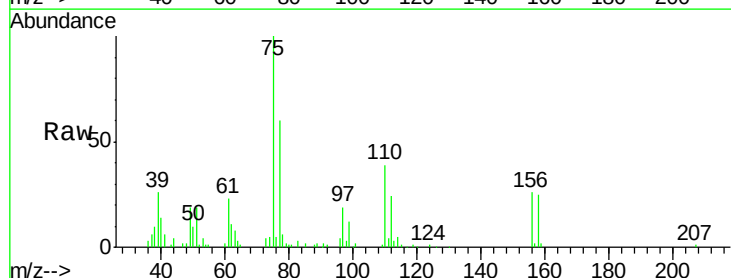
RT: 12.79 min Scan# 1848

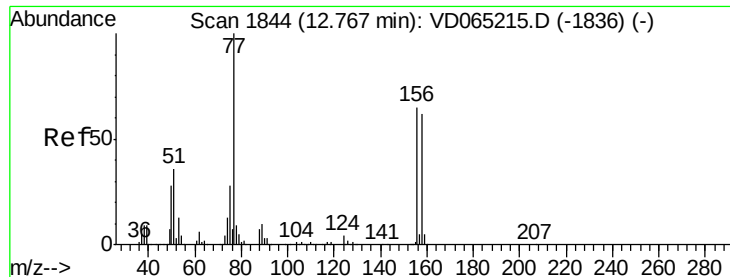
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	75	Resp:	53475
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.434 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

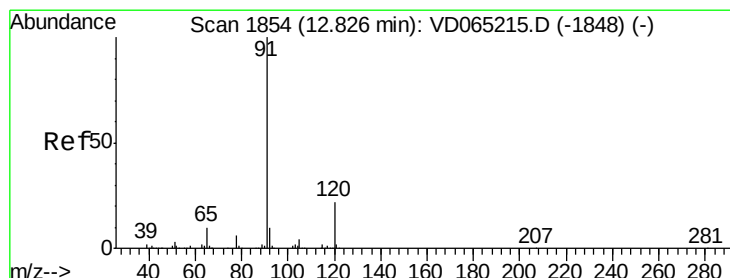
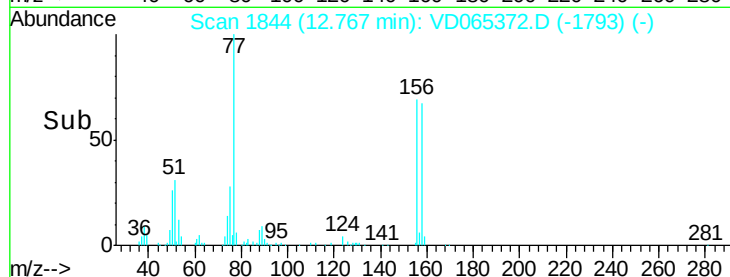
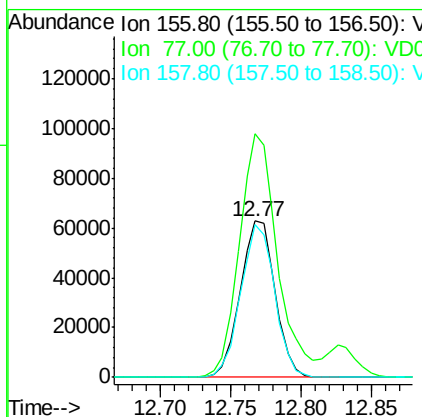
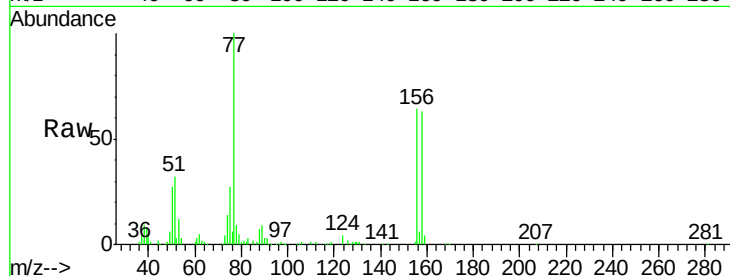
ClientSampleId :

VD0302SBSD01

Tot Ion:	156	Resp:	108566
Ion Ratio	Lower	Upper	
156	100		
77	169.6	86.6	259.7
158	95.6	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.085 ug/l

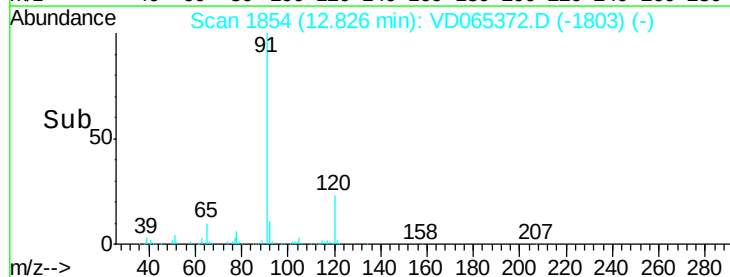
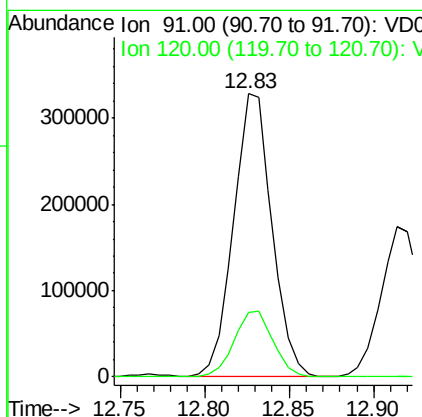
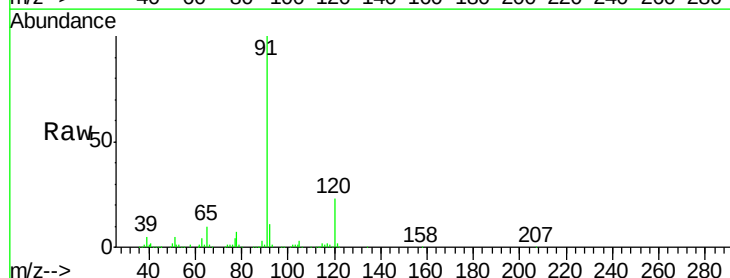
RT: 12.83 min Scan# 1854

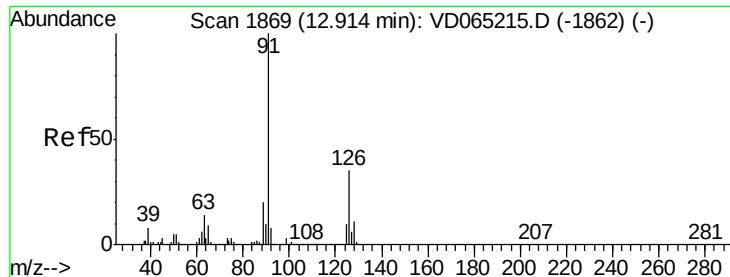
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	91	Resp:	516435
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5





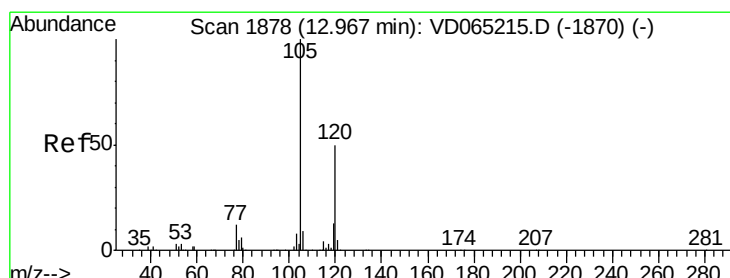
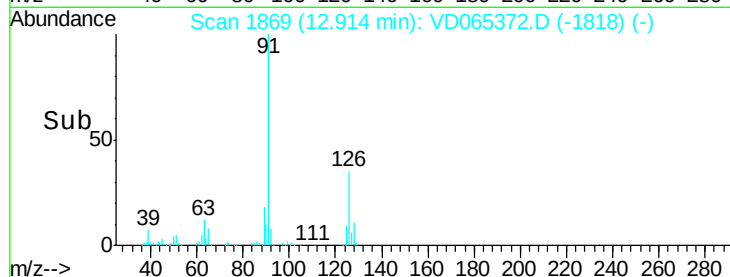
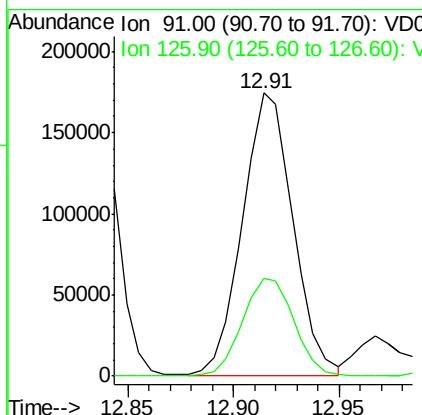
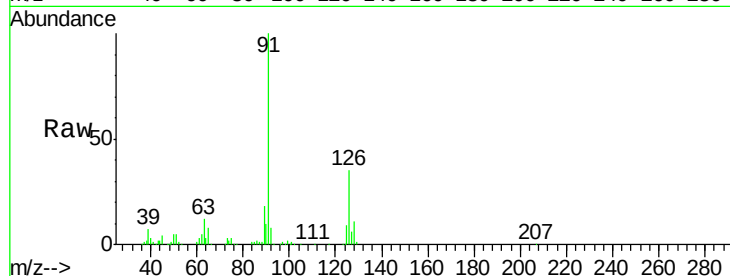
#79
2-Chlorotoluene
Concen: 20.100 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6

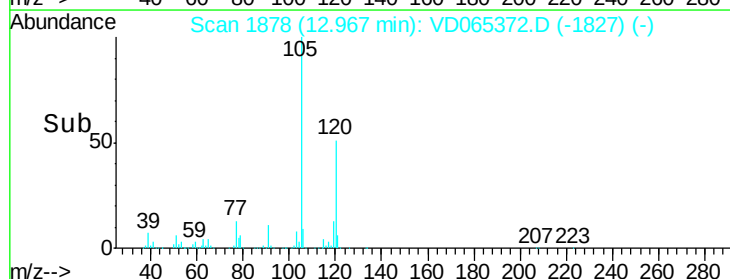
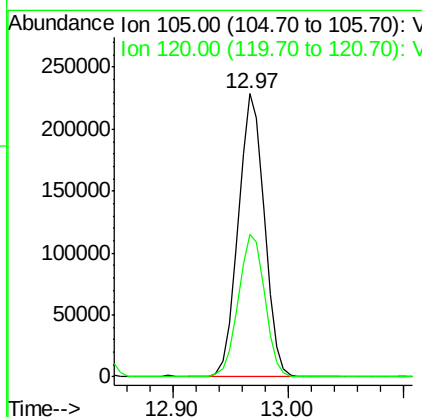
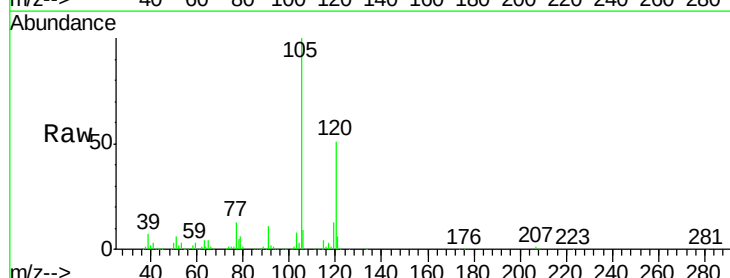
Manual Integrations
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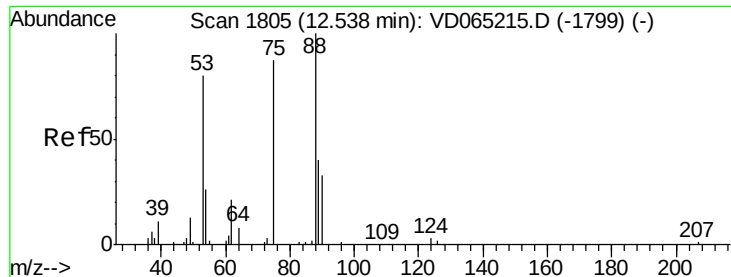
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.259 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





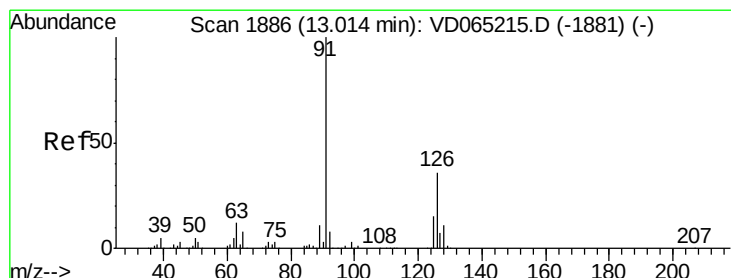
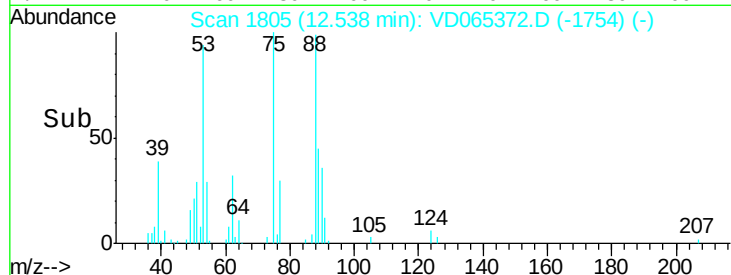
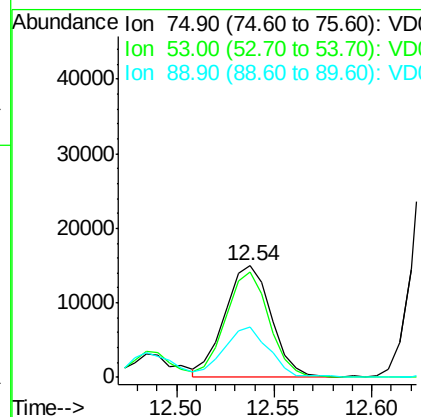
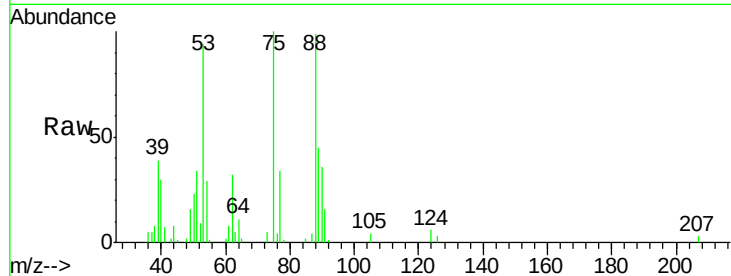
#81
trans-1,4-Dichloro-2-butene
Concen: 19.358 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	77.6	116.4
89	44.1	37.2	55.8

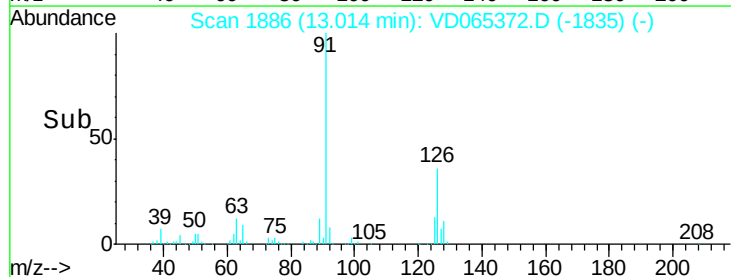
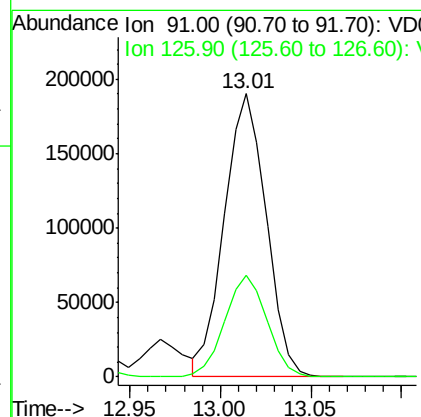
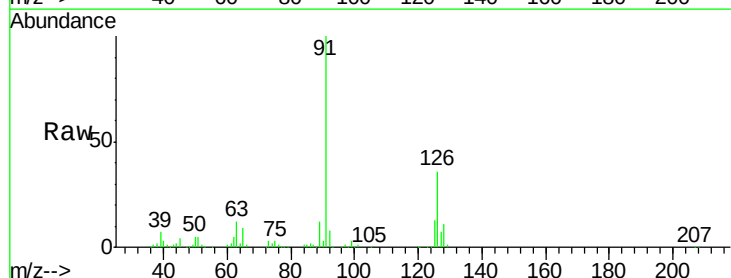
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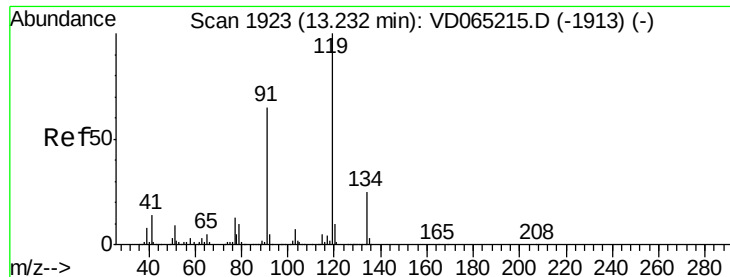
MMDadoda
3/3/2020 11:12:04 AM



#82
4-Chlorotoluene
Concen: 19.897 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.4	52.3





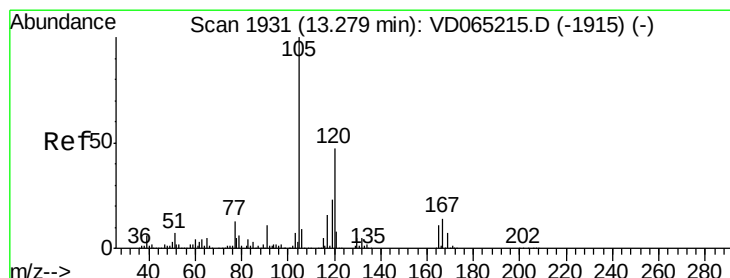
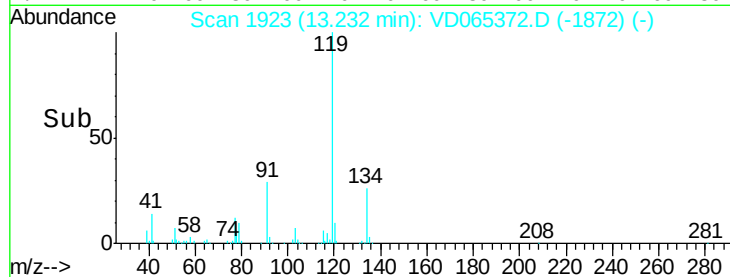
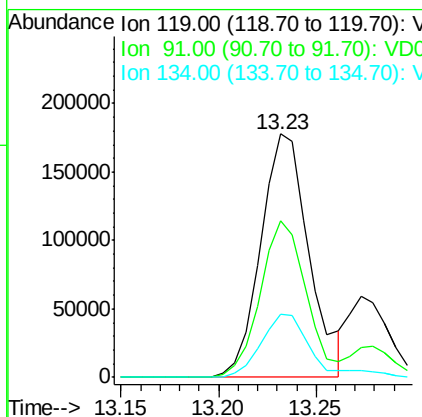
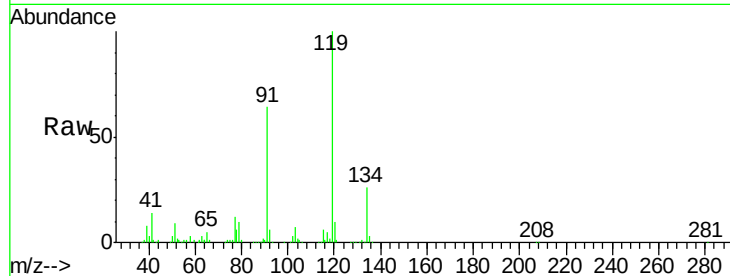
#83
 tert-Butylbenzene
 Concen: 20.582 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.9	95.5
134	26.9	13.8	41.3

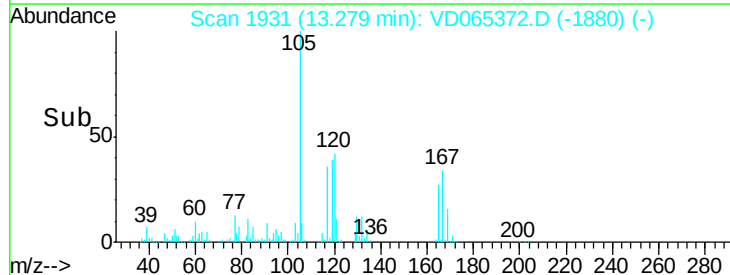
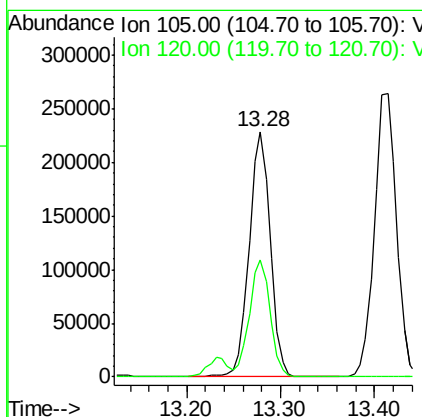
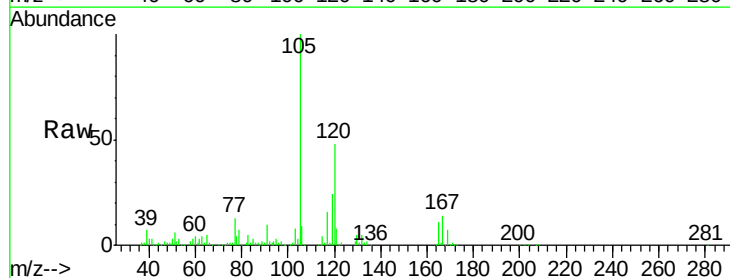
Manual Integrations
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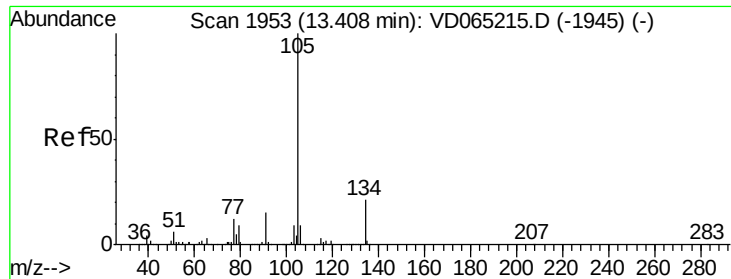
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.191 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.9





#85

sec-Butylbenzene

Concen: 20.105 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

Tot Ion:105 Resp: 427888

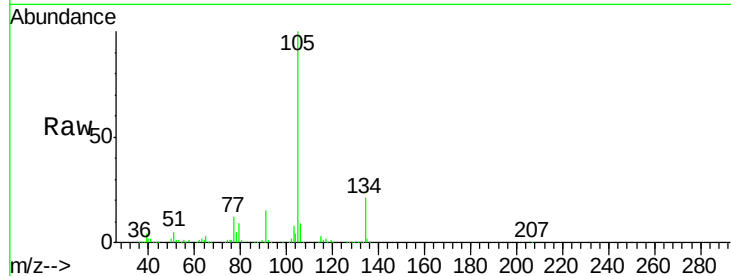
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

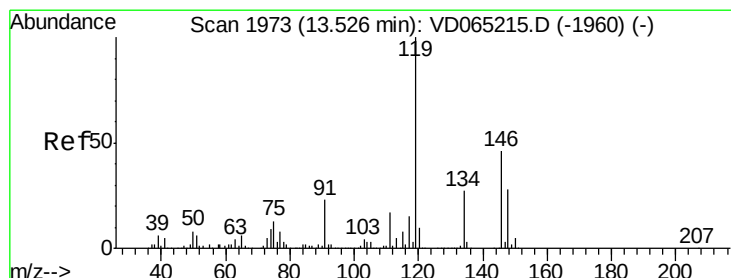
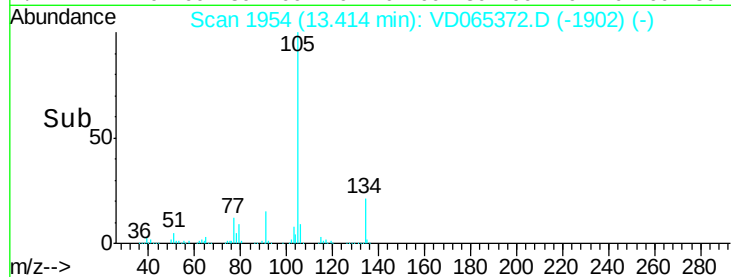
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.235 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

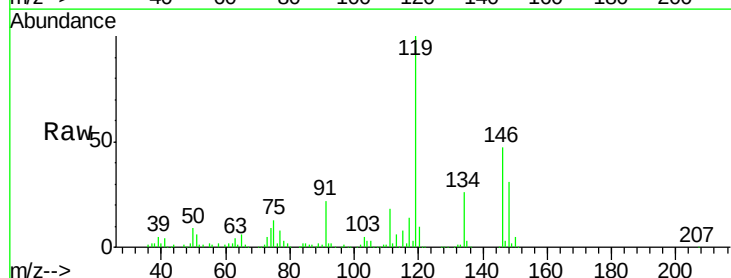
Tgt Ion:119 Resp: 393822

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.8 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

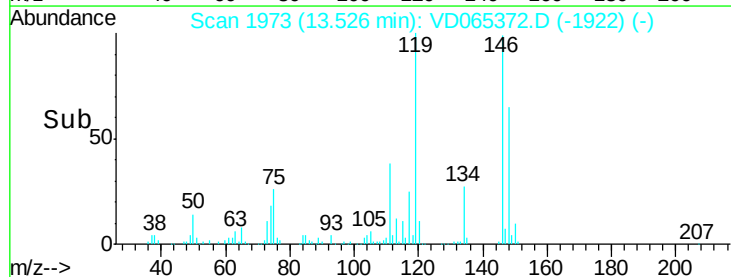
300000

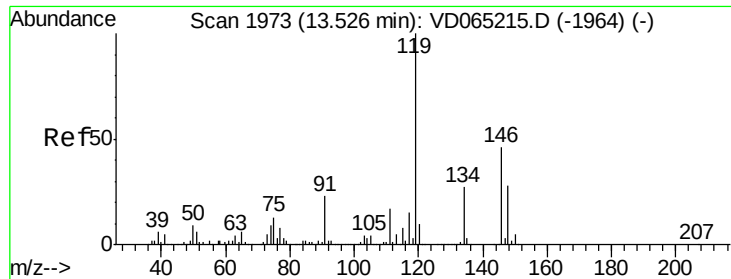
200000

100000

0

Time-->





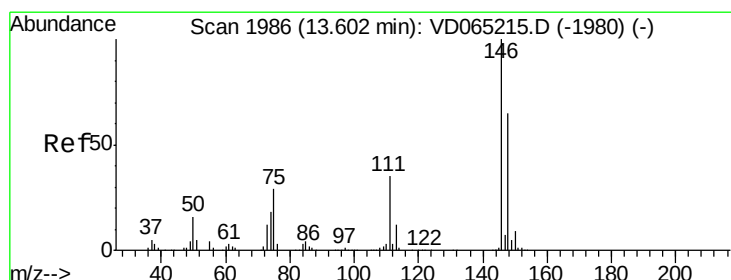
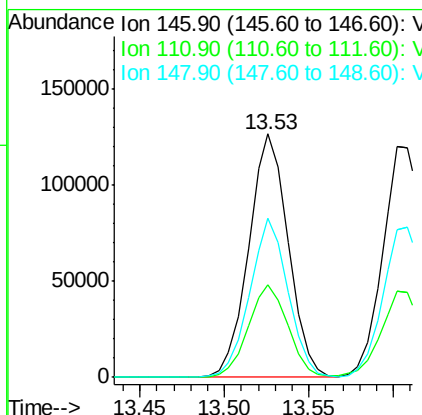
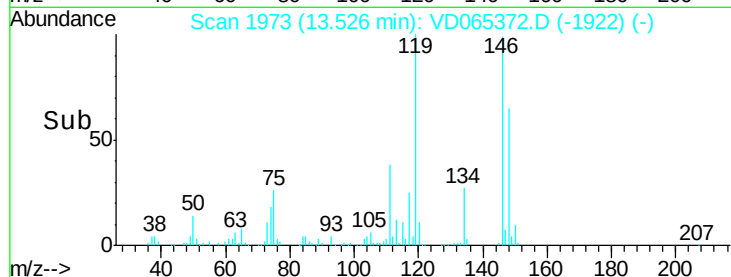
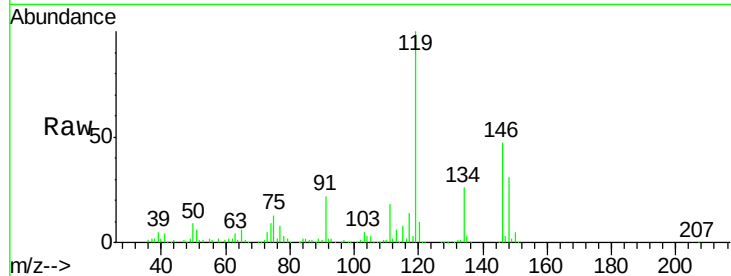
#87
 1,3-Dichlorobenzene
 Concen: 19.944 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.5	31.4	94.3

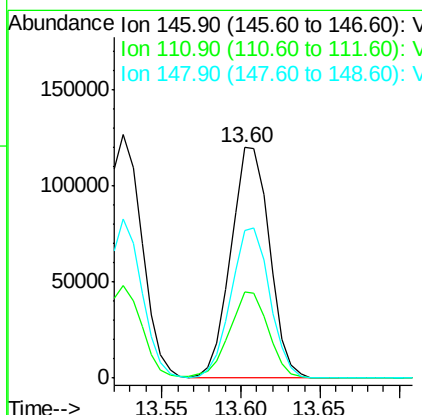
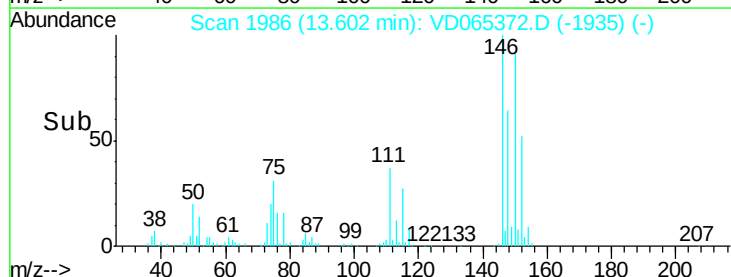
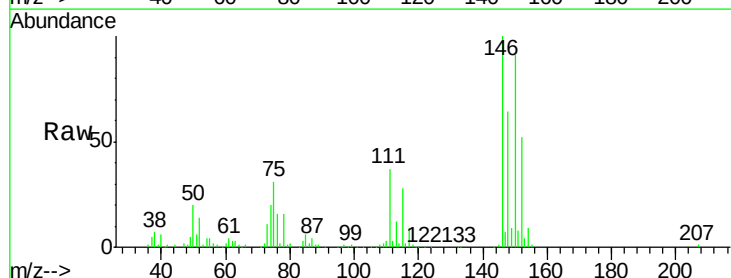
Manual Integrations
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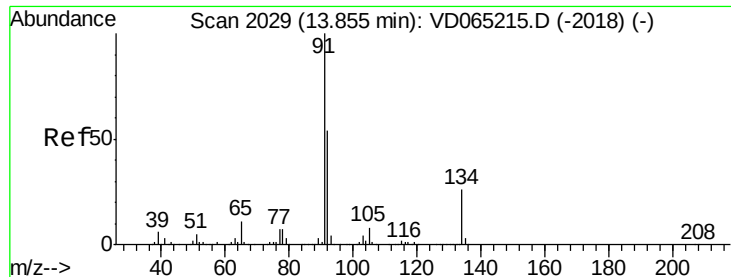
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#88
 1,4-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.4	55.2
148	65.3	32.1	96.5





#89

n-Butylbenzene

Concen: 20.056 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Instrument :

MSVOA_D

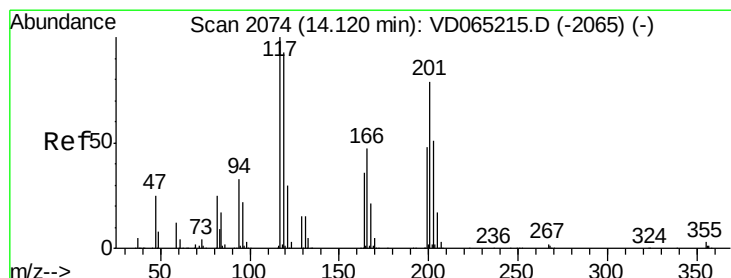
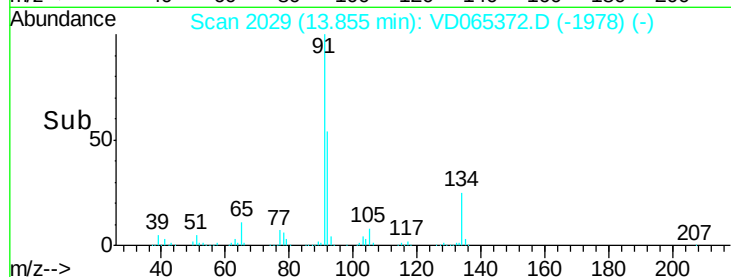
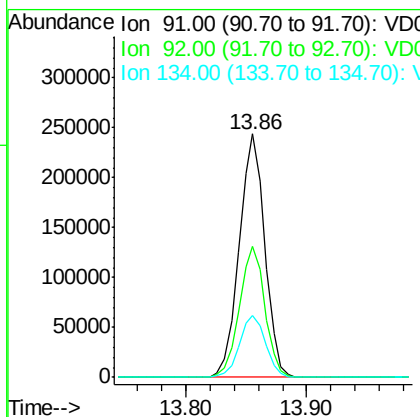
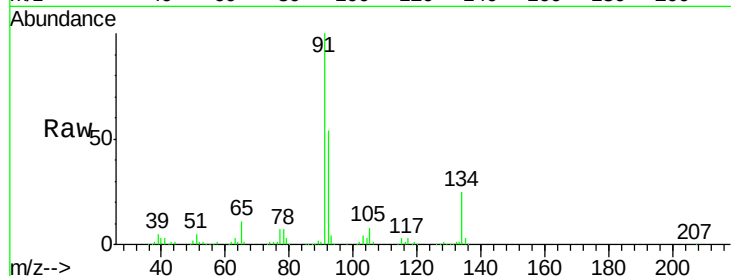
ClientSampleId :

VD0302SBS01

Tot Ion:	91	Resp:	359688
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	25.9	13.5	40.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.587 ug/l

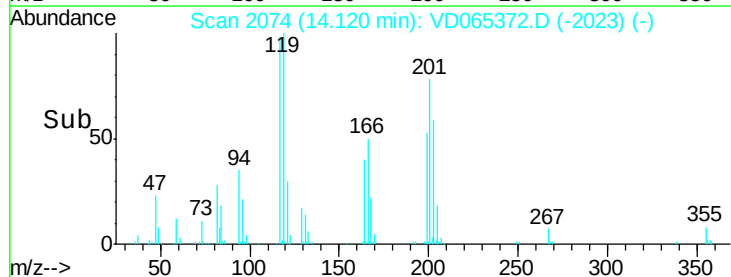
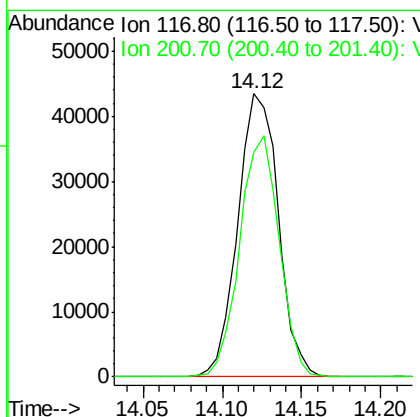
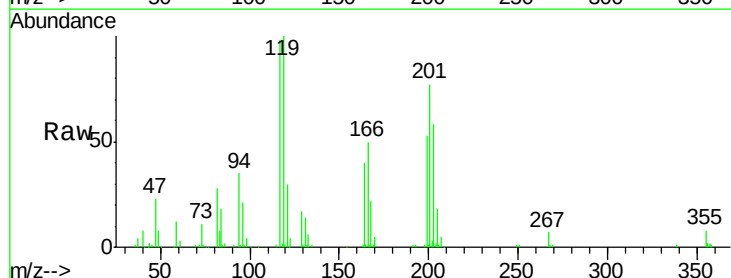
RT: 14.12 min Scan# 2074

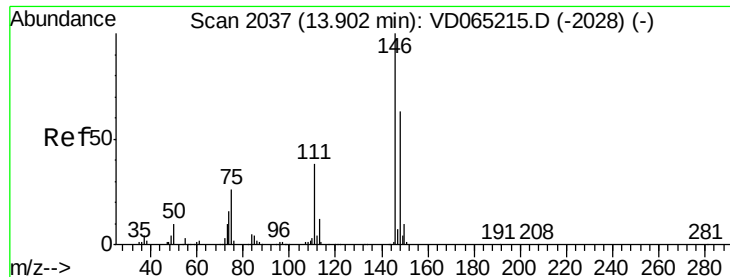
Delta R.T. 0.00 min

Lab File: VD065372.D

Acq: 02 Mar 2020 11:47

Tgt Ion:	117	Resp:	77406
Ion	Ratio	Lower	Upper
117	100		
201	82.8	41.3	124.1





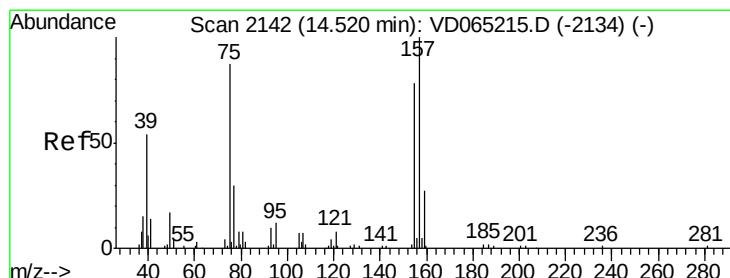
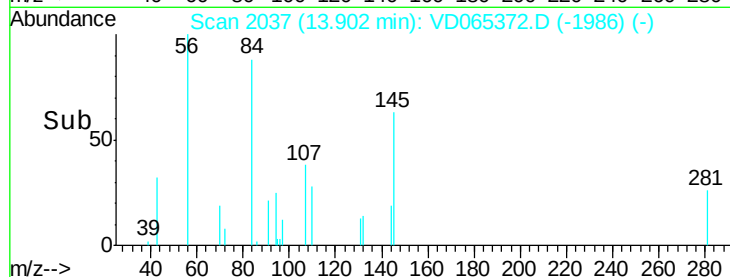
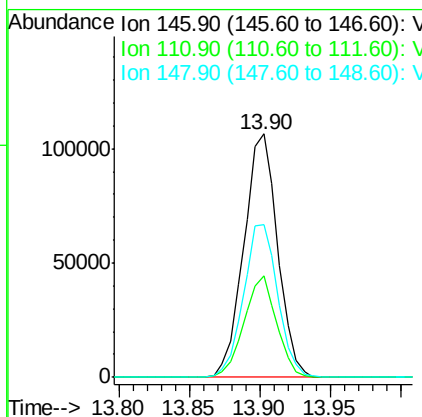
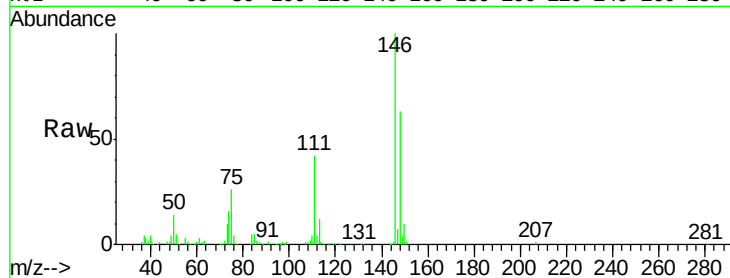
#91
 1,2-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	63.3	32.0	96.2

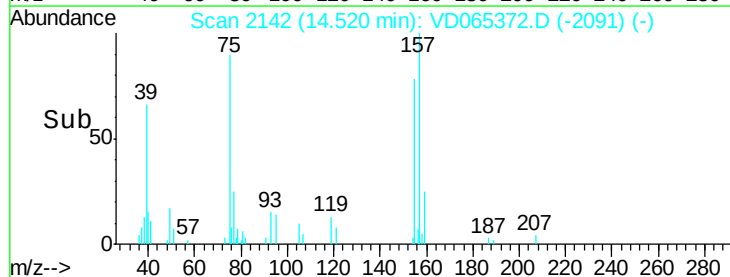
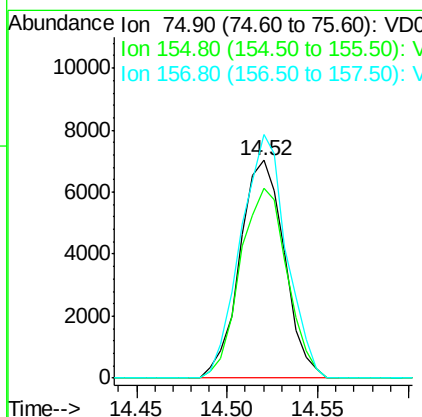
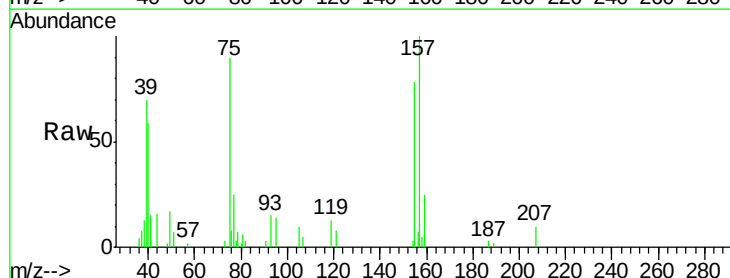
Manual Integrations
 APPROVED

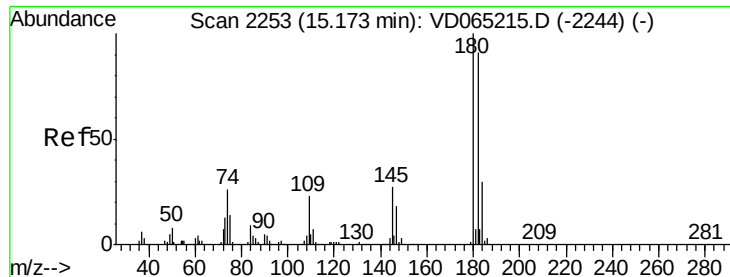
MMDadoda
 3/3/2020 11:12:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.179 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	42.3	126.9
157	114.3	56.7	170.1





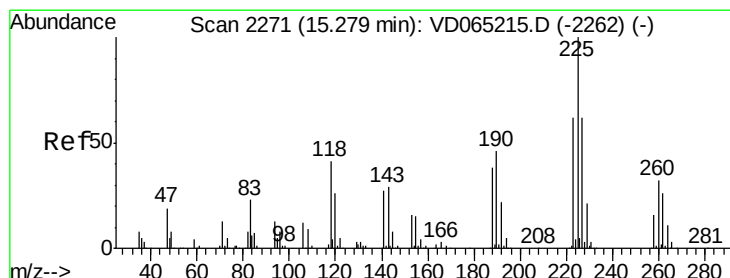
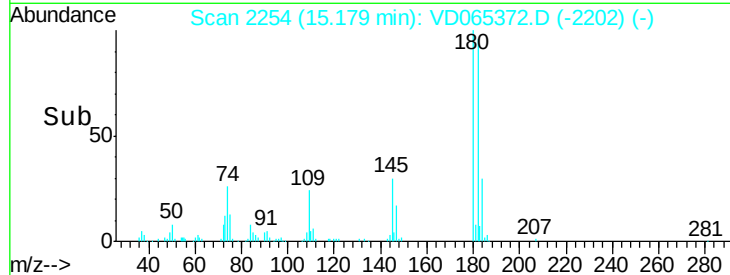
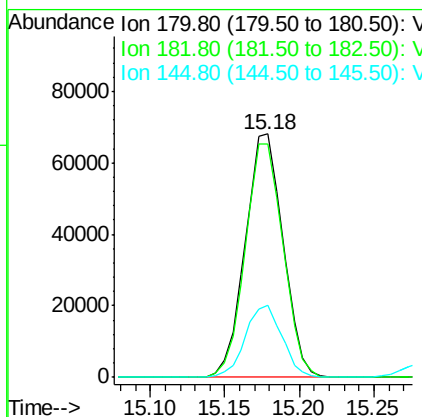
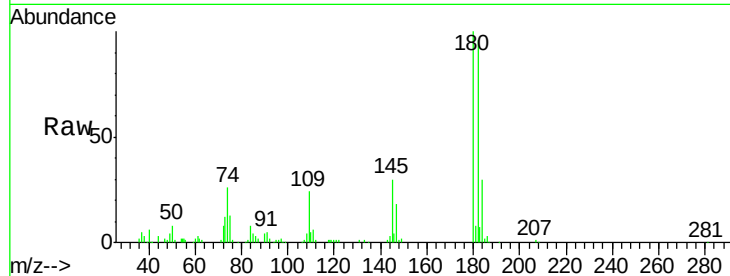
#93
 1,2,4-Trichlorobenzene
 Concen: 20.683 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119316		
182	95.7	46.9	140.6	
145	28.7	13.9	41.7	

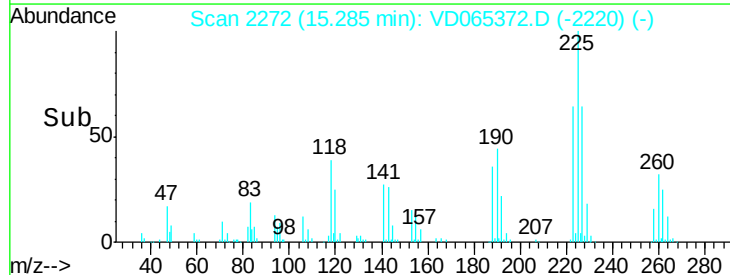
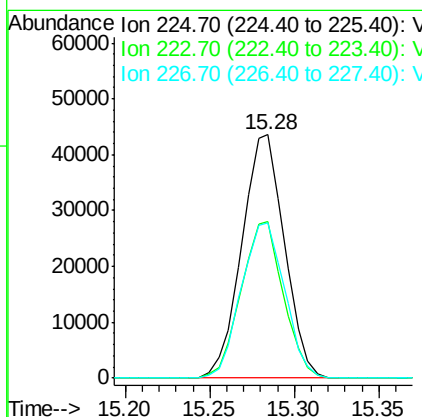
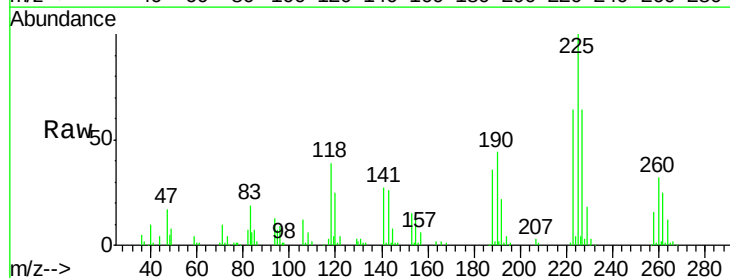
Manual Integrations
 APPROVED

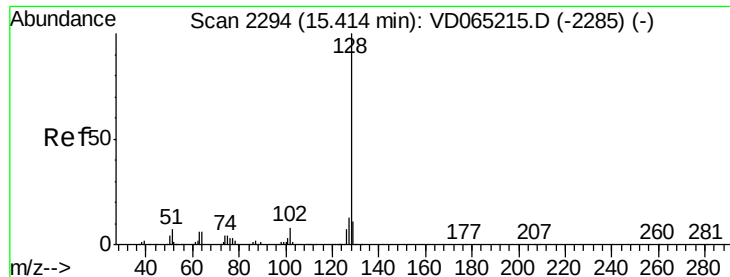
MMDadoda
 3/3/2020 11:12:04 AM



#94
 Hexachlorobutadiene
 Concen: 20.679 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065372.D
 Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76524		
223	63.4	31.4	94.2	
227	64.8	31.7	95.1	





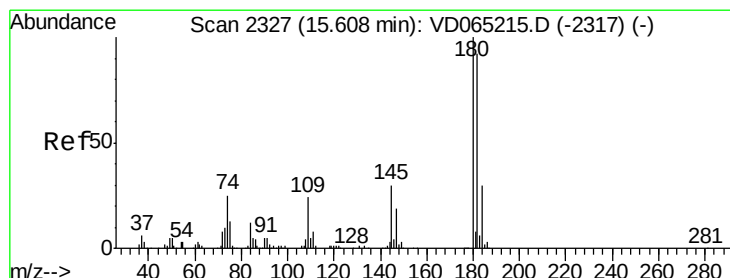
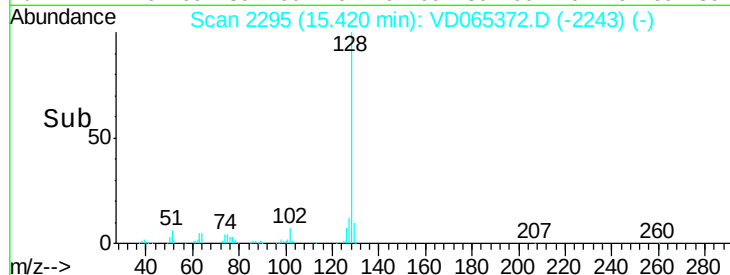
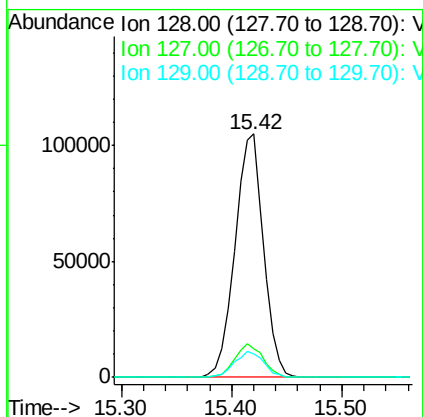
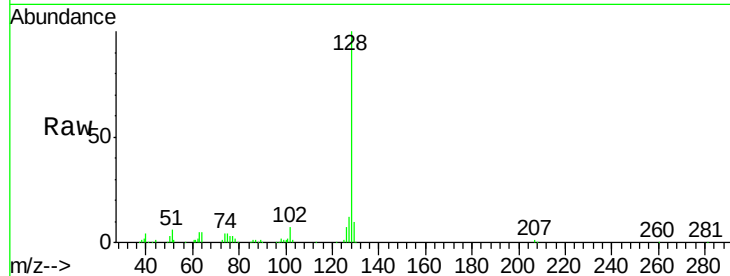
#95
Naphthalene
Concen: 20.328 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	190636		
127	13.7		10.3	15.5
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:12:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.538 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065372.D
Acq: 02 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103477		
182	98.6		46.9	140.6
145	30.8		15.4	46.1

