

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065182.D
 Acq On : 13 Feb 2020 17:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:59 PM

Quant Time: Feb 14 07:45:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	445591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	656685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	595791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206909	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	7.92	113	210685	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
50) Toluene-d8	10.34	98	812896	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.64	95	257170	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	181963	49.072	ug/l	98
3) Chloromethane	2.21	50	233852	53.575	ug/l	96
4) Vinyl Chloride	2.35	62	236350	51.199	ug/l	100
5) Bromomethane	2.77	94	140646	46.989	ug/l	98
6) Chloroethane	2.92	64	150638	52.606	ug/l	98
7) Trichlorofluoromethane	3.27	101	344525	51.284	ug/l	98
8) Diethyl Ether	3.71	74	103196	53.508	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	214142	52.142	ug/l	98
10) Methyl Iodide	4.29	142	234291	49.981	ug/l	98
11) Tert butyl alcohol	5.24	59	56533	244.319	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	198675	50.511	ug/l	99
13) Acrolein	3.93	56	78549	275.995	ug/l	99
14) Allyl chloride	4.71	41	348076	53.246	ug/l	97
15) Acrylonitrile	5.43	53	234968	278.674	ug/l	99
16) Acetone	4.17	43	234010	247.145	ug/l	97
17) Carbon Disulfide	4.40	76	645644	51.124	ug/l	98
18) Methyl Acetate	4.73	43	110794	56.006	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	458268	52.687	ug/l	97
20) Methylene Chloride	4.96	84	232007	56.132	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	234752	52.752	ug/l	99
22) Diisopropyl ether	6.37	45	696403	56.478	ug/l	98
23) Vinyl Acetate	6.31	43	1937577	281.920	ug/l	100
24) 1,1-Dichloroethane	6.27	63	403315	54.039	ug/l	98
25) 2-Butanone	7.22	43	317377	281.000	ug/l	96
26) 2,2-Dichloropropane	7.21	77	346021	51.725	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	255881	54.125	ug/l	97
28) Bromochloromethane	7.55	49	162269	57.355	ug/l	100
29) Tetrahydrofuran	7.57	42	194846	285.271	ug/l	98
30) Chloroform	7.71	83	406458	54.695	ug/l	99
31) Cyclohexane	7.98	56	372241	49.409	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	365560	52.807	ug/l	98
36) 1,1-Dichloropropene	8.11	75	324873	53.204	ug/l	99
37) Ethyl Acetate	7.30	43	137978	55.311	ug/l	99
38) Carbon Tetrachloride	8.10	117	324284	51.998	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388047	51.486	ug/l	98
40) Benzene	8.36	78	921205	54.632	ug/l	100
41) Methacrylonitrile	7.53	41	76651m	55.774	ug/l	
42) 1,2-Dichloroethane	8.43	62	256982	53.486	ug/l	98
43) Isopropyl Acetate	8.46	43	256906	53.836	ug/l	100
44) Trichloroethene	9.11	130	252739	52.219	ug/l	100
45) 1,2-Dichloropropane	9.39	63	230788	57.085	ug/l	97
46) Dibromomethane	9.48	93	119586	56.291	ug/l	96
47) Bromodichloromethane	9.67	83	313550	56.015	ug/l	99
48) Methyl methacrylate	9.46	41	121639	52.972	ug/l	95
49) 1,4-Dioxane	9.47	88	29732	1181.609	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	670917	285.637	ug/l	100
52) Toluene	10.41	92	590654	54.883	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	299051	54.871	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	357096	54.784	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	162465	55.754	ug/l	94
56) Ethyl methacrylate	10.67	69	205348	55.696	ug/l	99
57) 1,3-Dichloropropane	10.95	76	284092	55.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	299398	251.440	ug/l	100
59) 2-Hexanone	10.99	43	476788	286.576	ug/l	99
60) Dibromochloromethane	11.15	129	210384	55.741	ug/l	97
61) 1,2-Dibromoethane	11.25	107	158023	55.500	ug/l	99
64) Tetrachloroethene	10.88	164	213630	49.901	ug/l	98
65) Chlorobenzene	11.68	112	615699	53.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	230454	54.185	ug/l	98
67) Ethyl Benzene	11.75	91	1112932	53.159	ug/l	99
68) m/p-Xylenes	11.86	106	853275	106.783	ug/l	99
69) o-Xylene	12.18	106	381631	53.035	ug/l	100
70) Styrene	12.20	104	683377	54.642	ug/l	100
71) Bromoform	12.37	173	126964	55.462	ug/l #	99
73) Isopropylbenzene	12.48	105	1043735	51.189	ug/l	100
74) N-amyl acetate	12.30	43	233656	52.722	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172614	53.790	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	123305m	54.823	ug/l	
77) Bromobenzene	12.77	156	248644	50.614	ug/l	98
78) n-propylbenzene	12.83	91	1240613	51.956	ug/l	100
79) 2-Chlorotoluene	12.91	91	686711	51.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	855814	51.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58981	52.446	ug/l	98
82) 4-Chlorotoluene	13.01	91	718485	51.398	ug/l	100
83) tert-Butylbenzene	13.23	119	708450	49.228	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	856955	51.747	ug/l	99
85) sec-Butylbenzene	13.41	105	1015977	51.689	ug/l	100
86) p-Isopropyltoluene	13.53	119	953006	52.184	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	477744	51.941	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	466813	50.993	ug/l	99
89) n-Butylbenzene	13.86	91	878999	52.147	ug/l	100
90) Hexachloroethane	14.12	117	183826	53.158	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	409483	51.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26910	51.370	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278710	49.497	ug/l	100
94) Hexachlorobutadiene	15.28	225	167505	48.380	ug/l	99
95) Naphthalene	15.41	128	466576	49.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	238875	49.596	ug/l	100

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

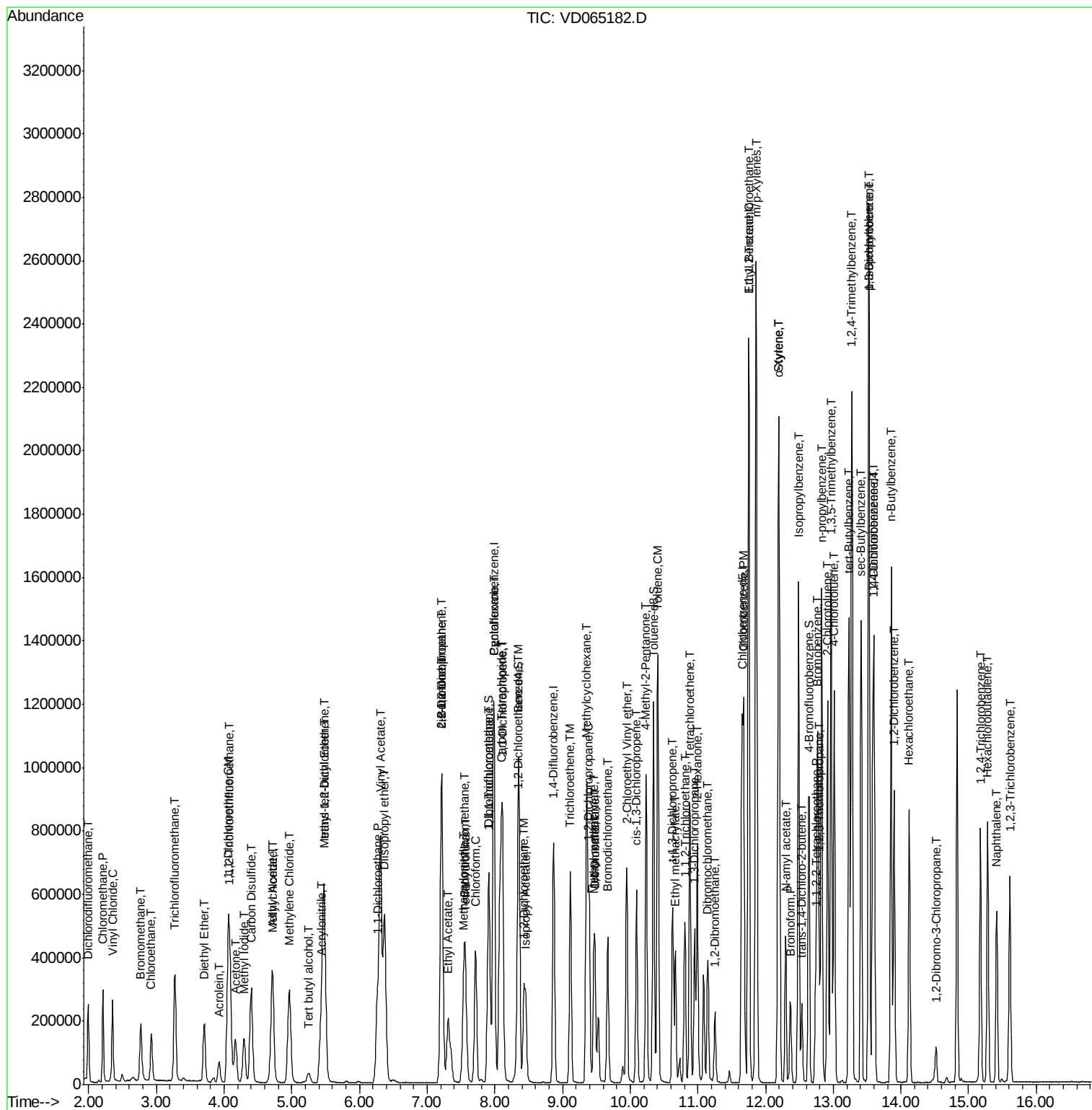
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021320\
Data File : VD065182.D
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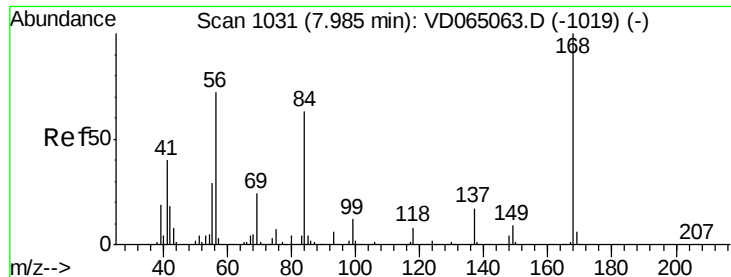
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 445591

Ion Ratio Lower Upper

168 100

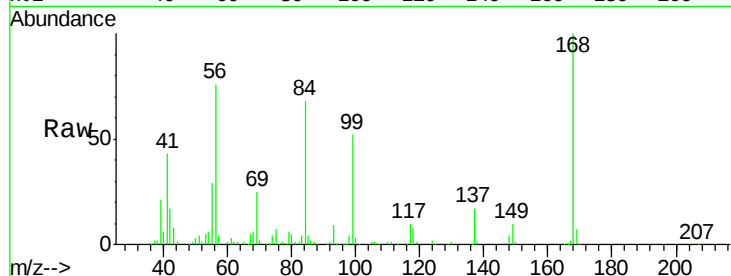
99 51.6 41.0 61.6

Manual Integrations

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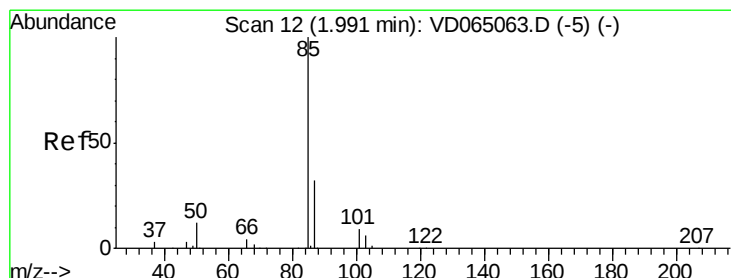
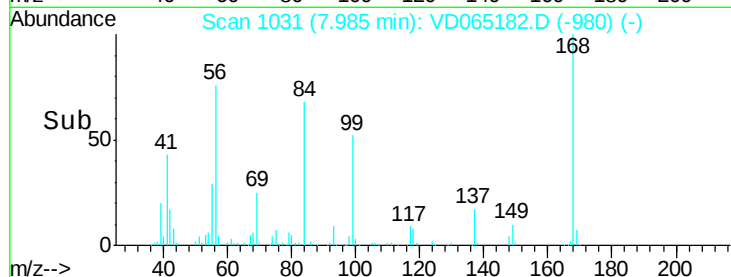
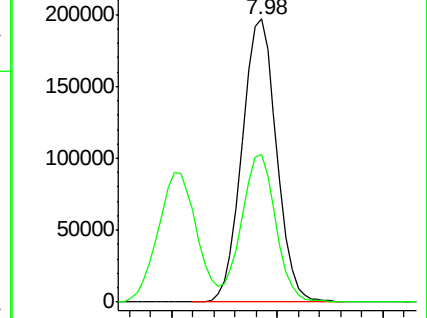
MMDadoda

2/14/2020 4:17:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.072 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065182.D

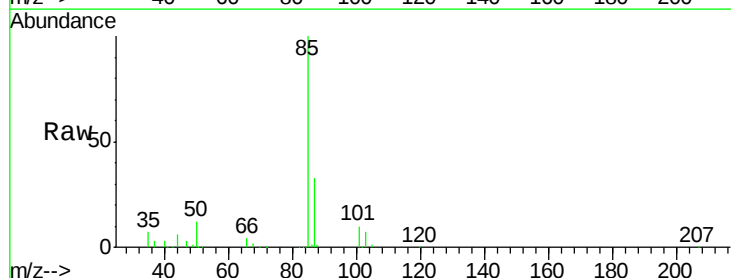
Acq: 13 Feb 2020 17:42

Tgt Ion: 85 Resp: 181963

Ion Ratio Lower Upper

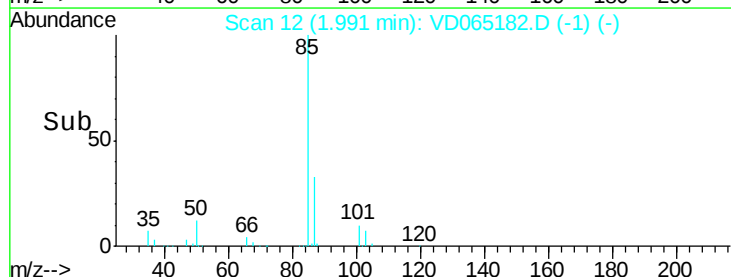
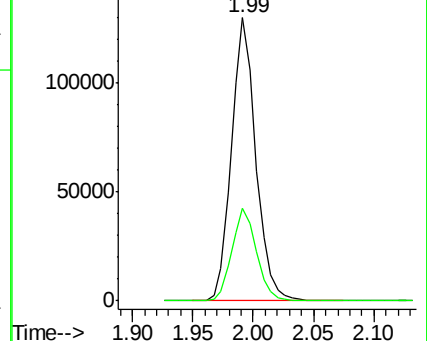
85 100

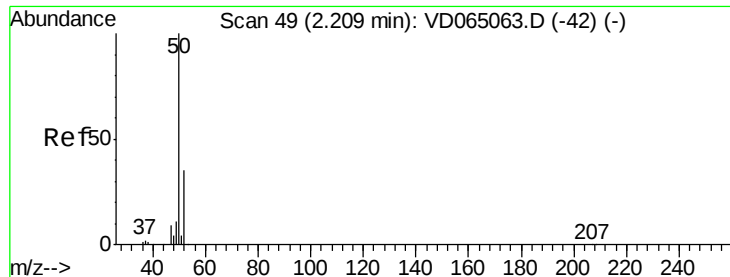
87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.575 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 233852

Ion Ratio Lower Upper

50 100

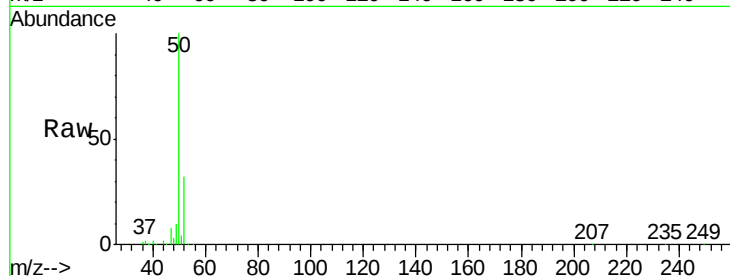
52 32.2 27.8 41.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

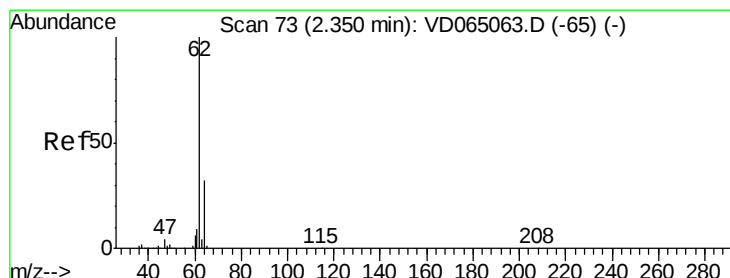
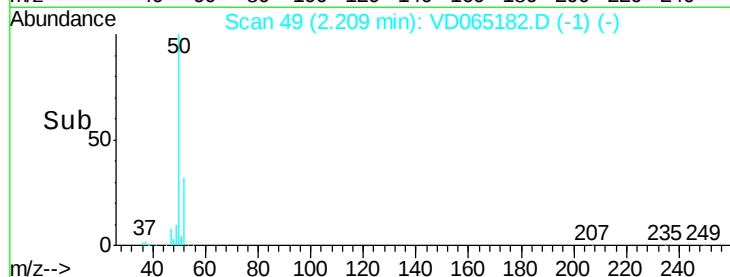
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 51.199 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065182.D

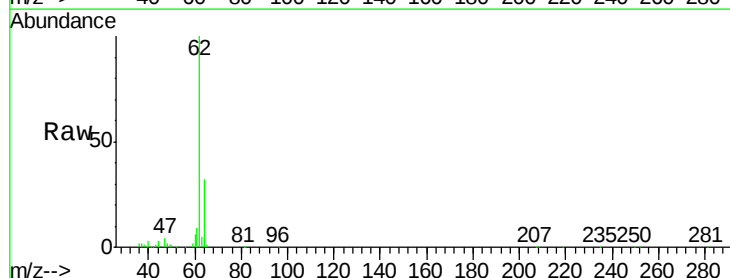
Acq: 13 Feb 2020 17:42

Tgt Ion: 62 Resp: 236350

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

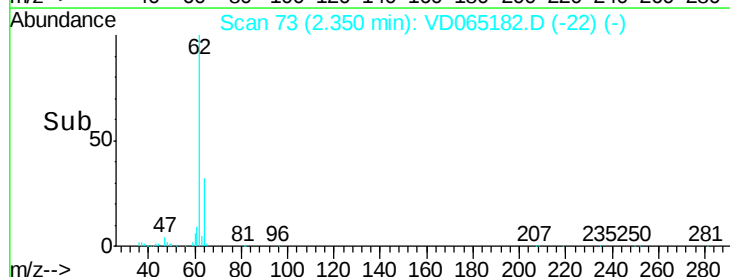
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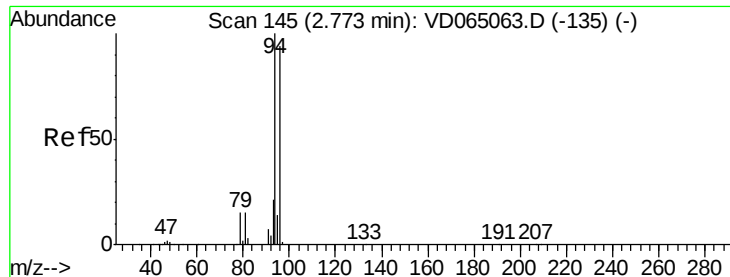
50000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 46.989 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 140646

Ion Ratio Lower Upper

94 100

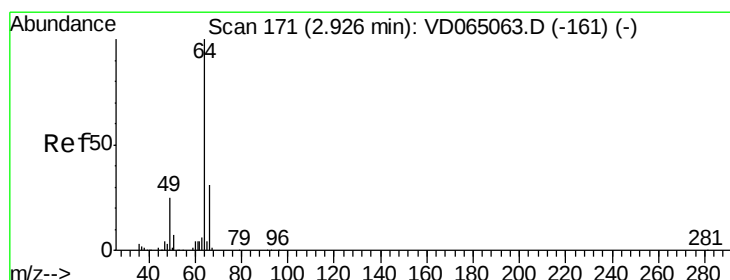
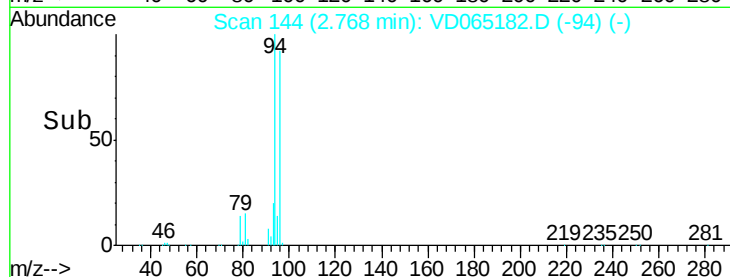
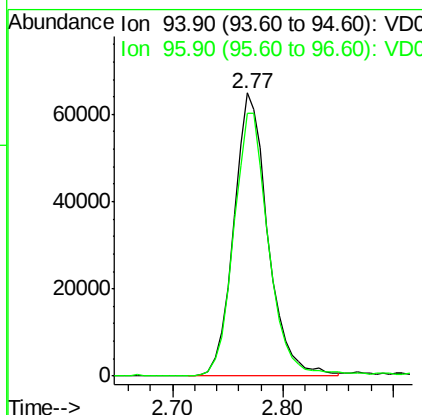
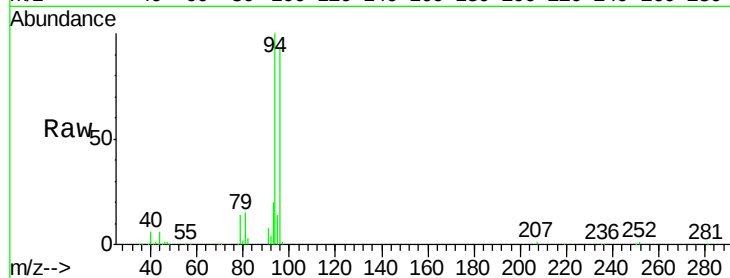
96 92.3 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 52.606 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065182.D

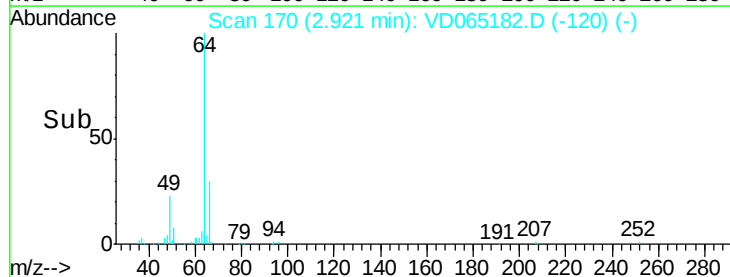
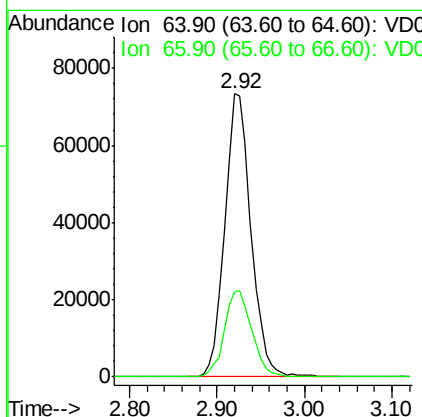
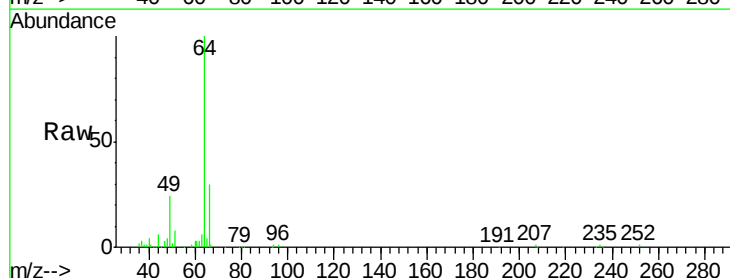
Acq: 13 Feb 2020 17:42

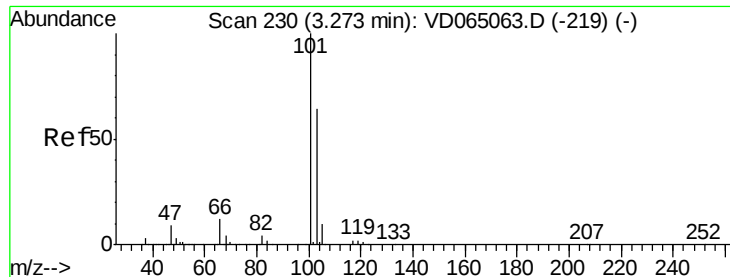
Tgt Ion: 64 Resp: 150638

Ion Ratio Lower Upper

64 100

66 30.0 24.8 37.2





#7

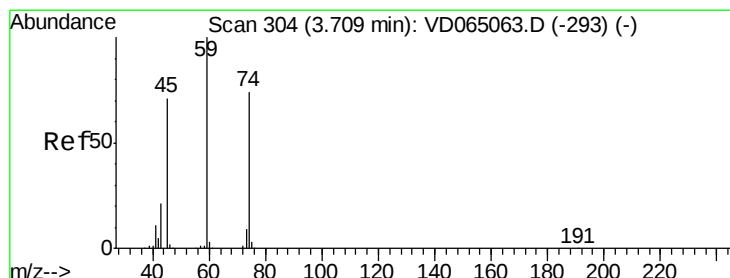
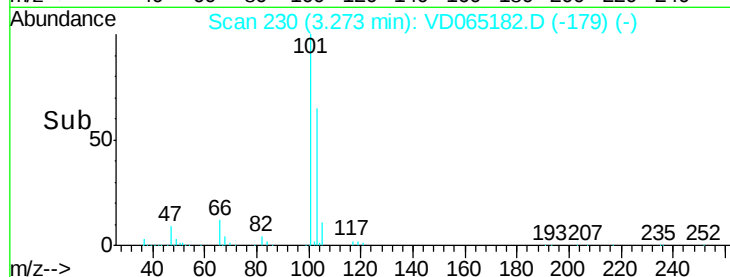
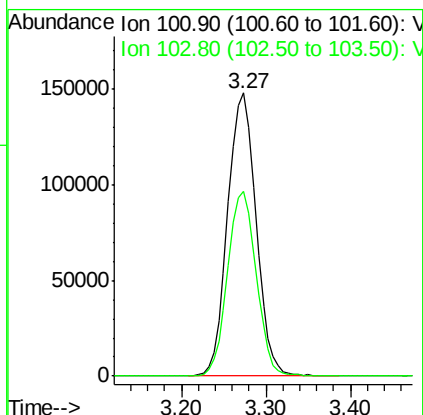
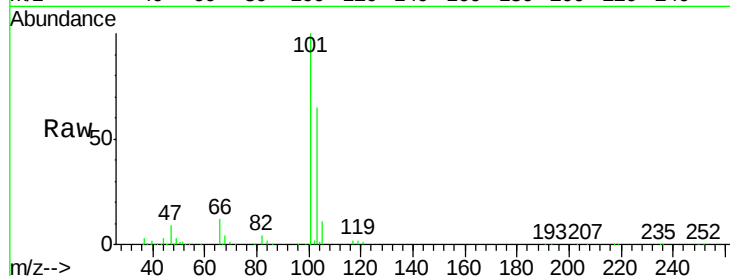
Trichlorofluoromethane
 Concen: 51.284 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.6

Manual Integrations
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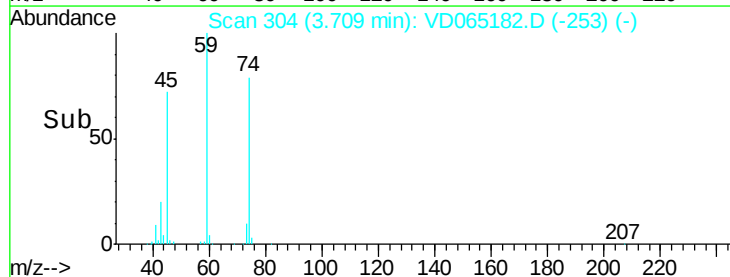
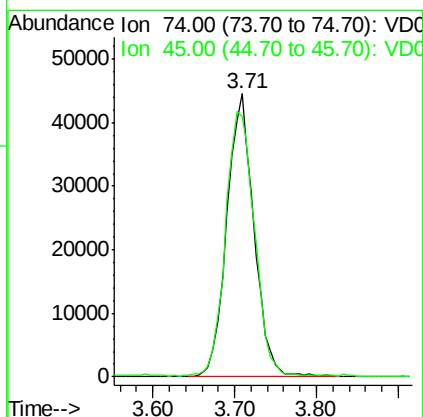
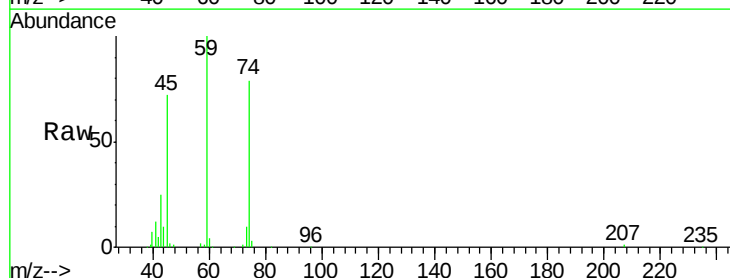
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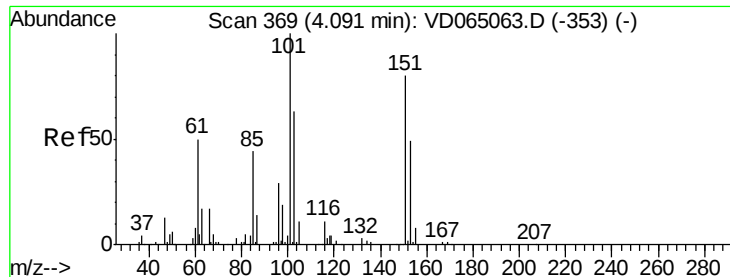


#8

Diethyl Ether
 Concen: 53.508 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.142 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

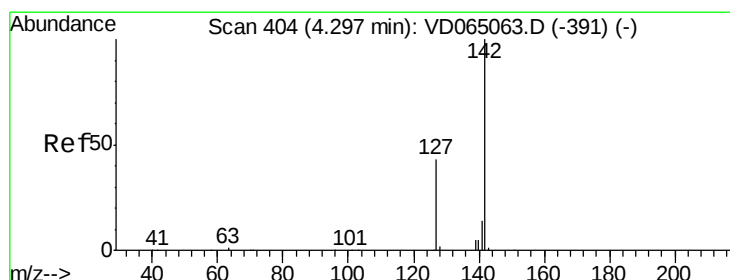
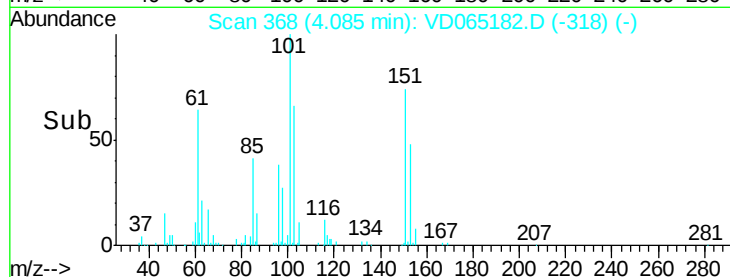
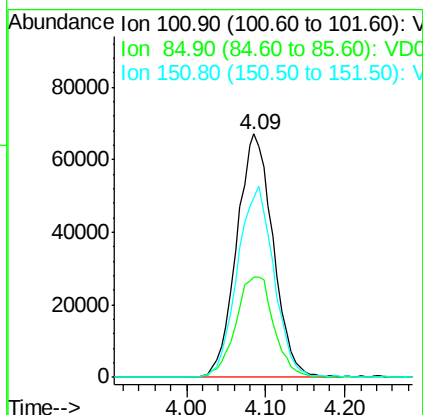
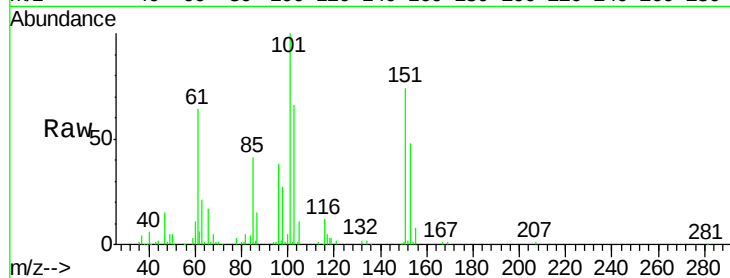
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	214142
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.0	51.0
151	78.5	64.0	96.0

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#10

Methyl Iodide

Concen: 49.981 ug/l

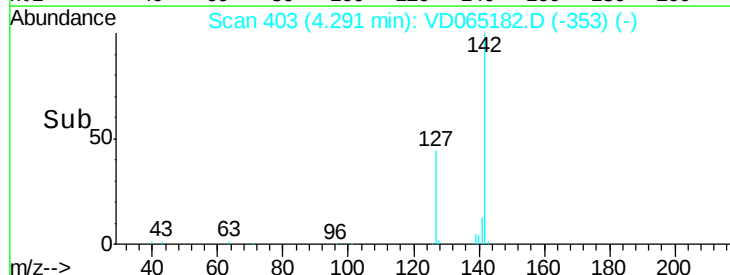
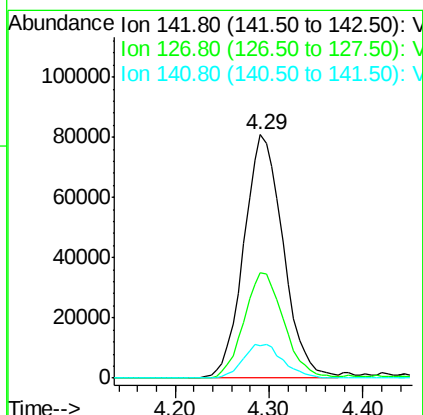
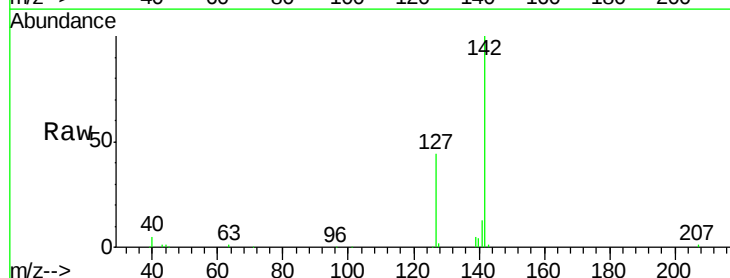
RT: 4.29 min Scan# 403

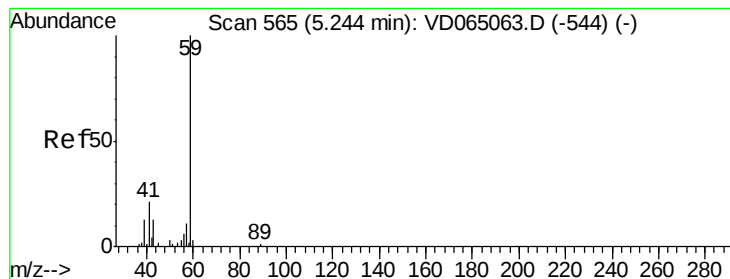
Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion:	142	Resp:	234291
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.0	51.0
141	14.1	11.6	17.4





#11

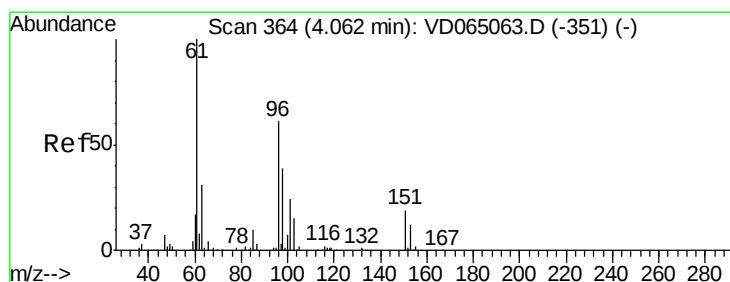
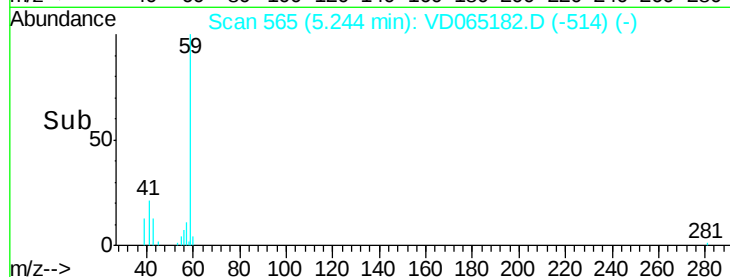
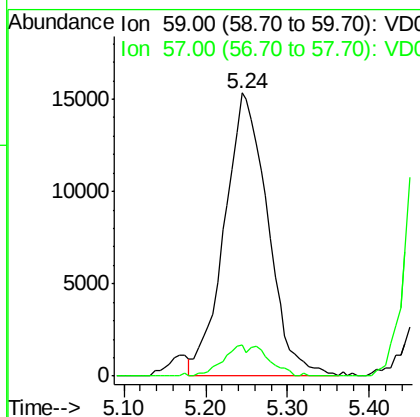
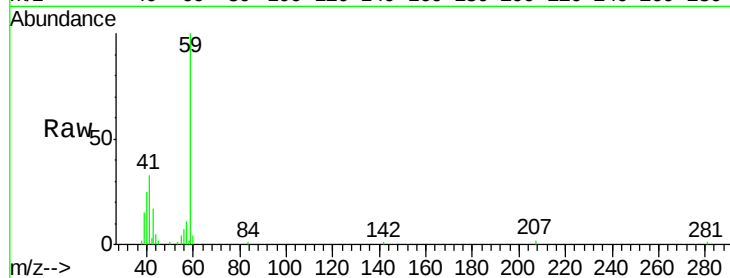
Tert butyl alcohol
 Concen: 244.319 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.8	13.2#

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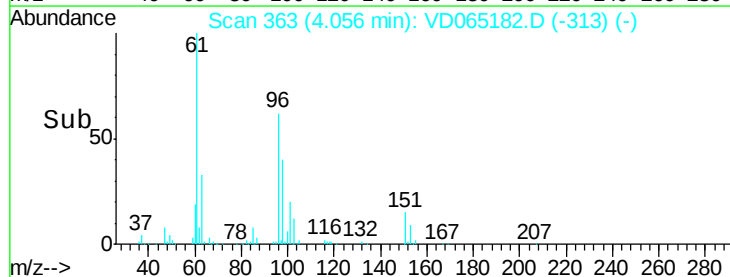
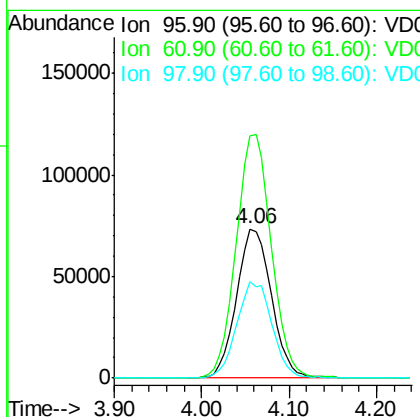
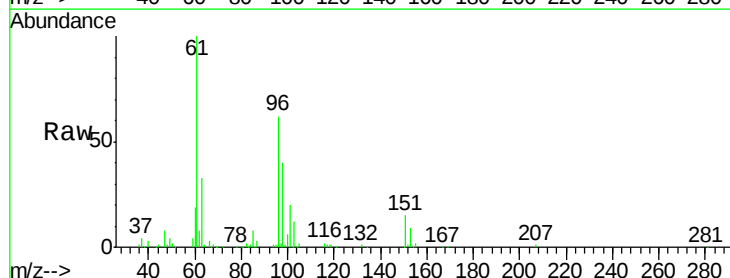
MMDadoda
 2/14/2020 4:17:59 PM



#12

1,1-Dichloroethene
 Concen: 50.511 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	131.4	197.2
98	64.6	51.1	76.7





#13

Acrolein

Concen: 275.995 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78549

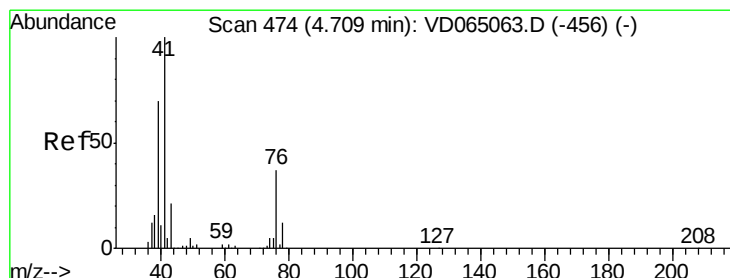
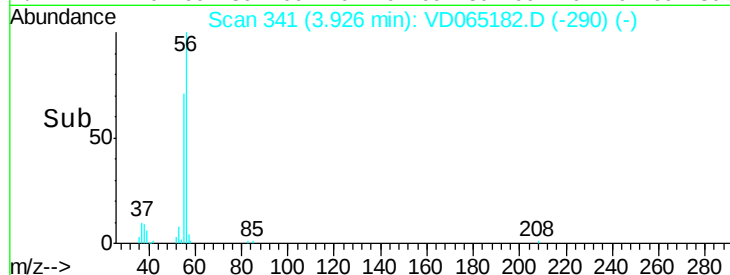
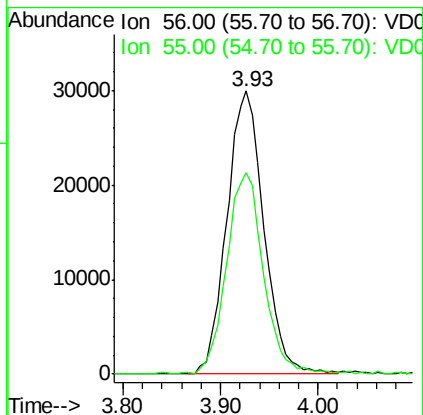
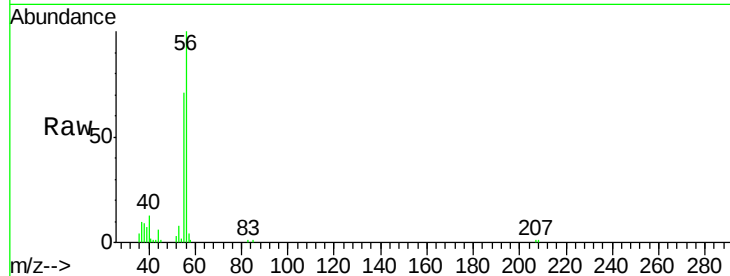
Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.2

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#14

Allyl chloride

Concen: 53.246 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

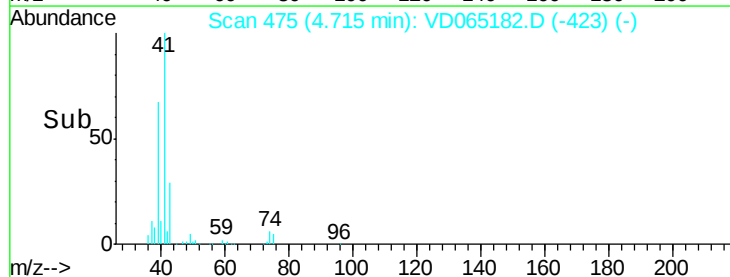
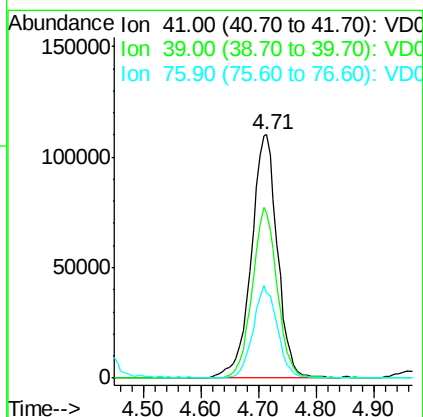
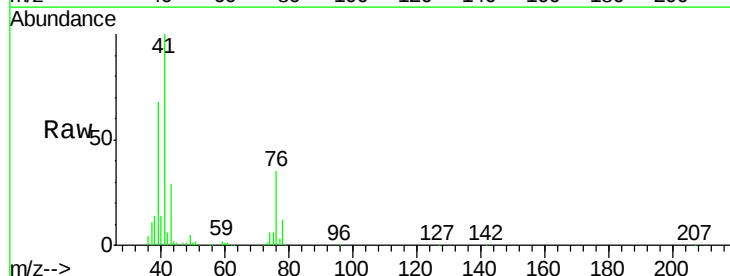
Tgt Ion: 41 Resp: 348076

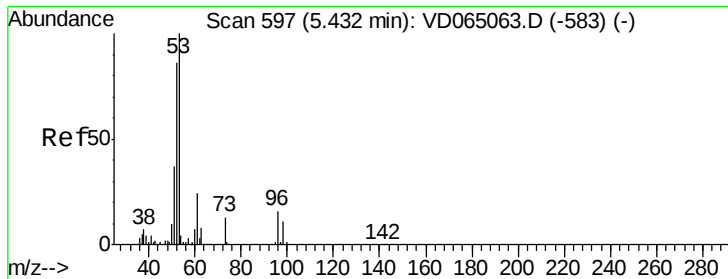
Ion Ratio Lower Upper

41 100

39 67.2 57.1 85.7

76 34.9 28.0 42.0





#15

Acrylonitrile

Concen: 278.674 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

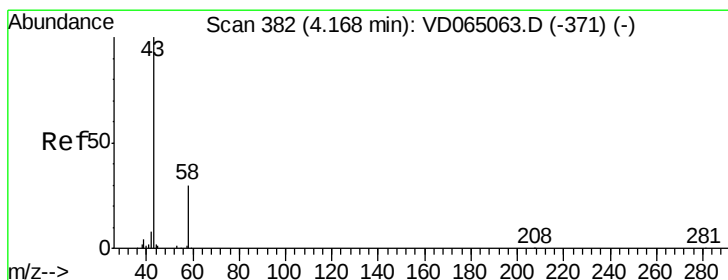
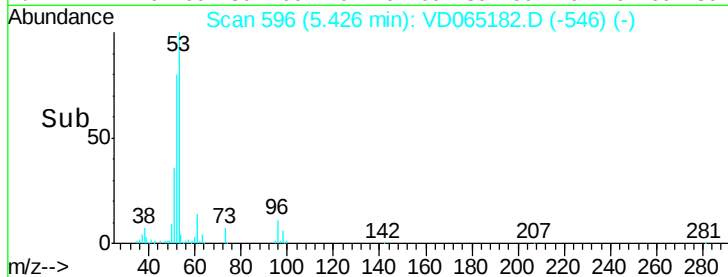
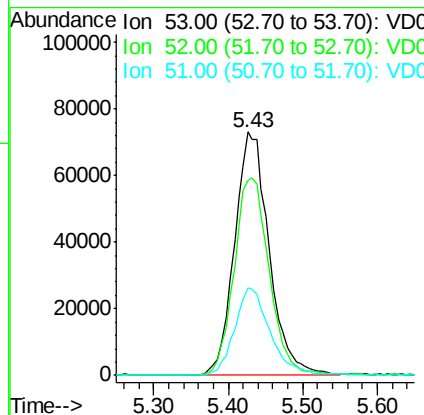
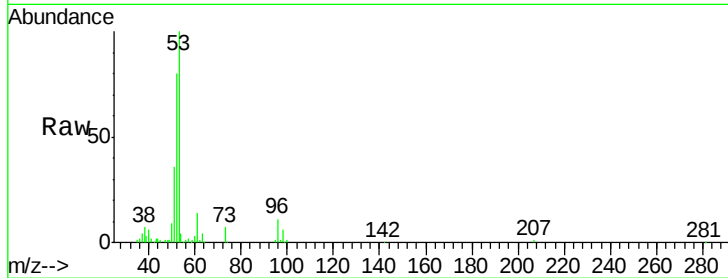
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	234968
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.2
51	36.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 247.145 ug/l

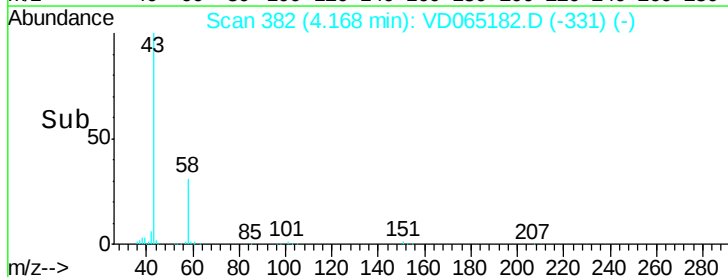
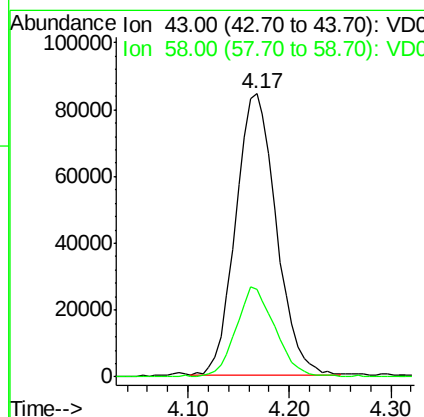
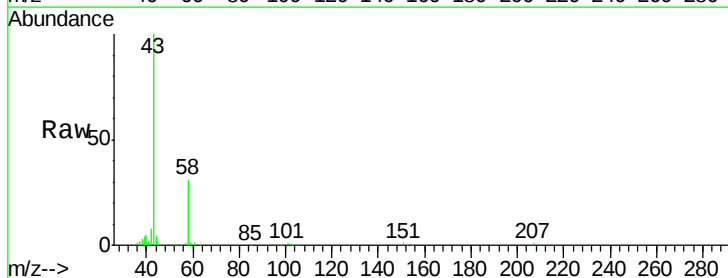
RT: 4.17 min Scan# 382

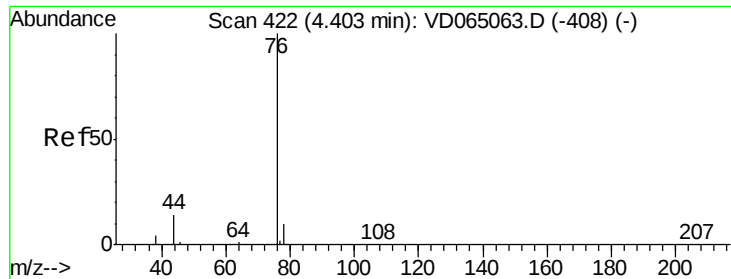
Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion:	43	Resp:	234010
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.5	35.3





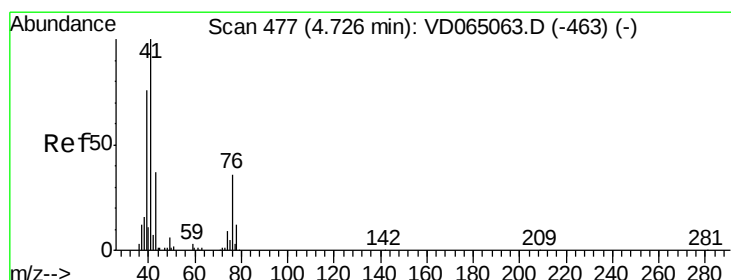
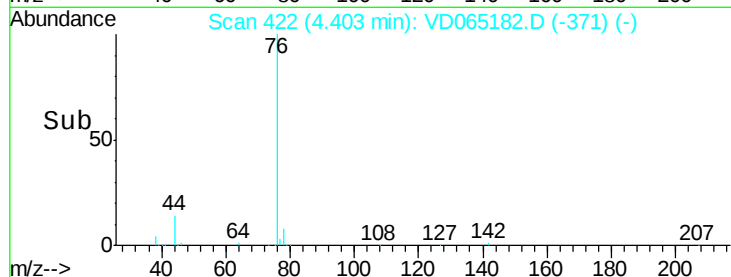
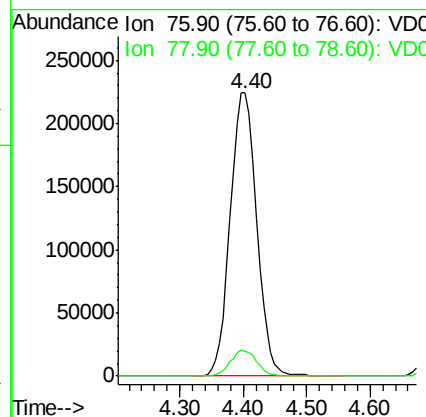
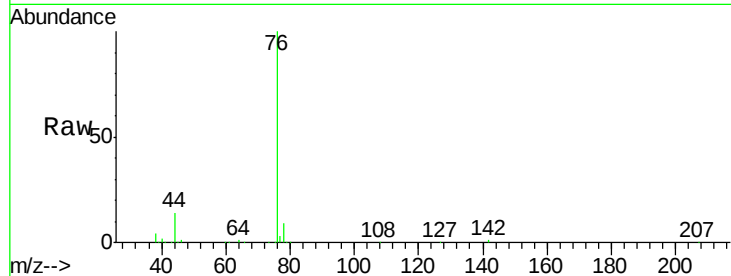
#17
Carbon Disulfide
Concen: 51.124 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

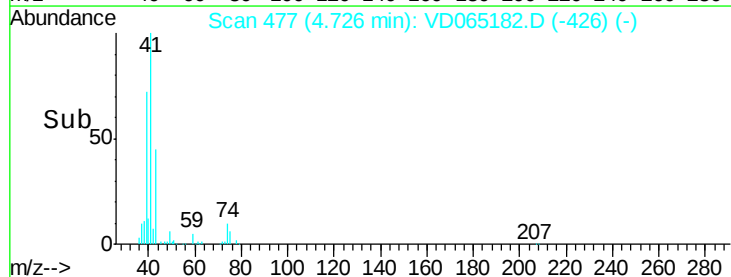
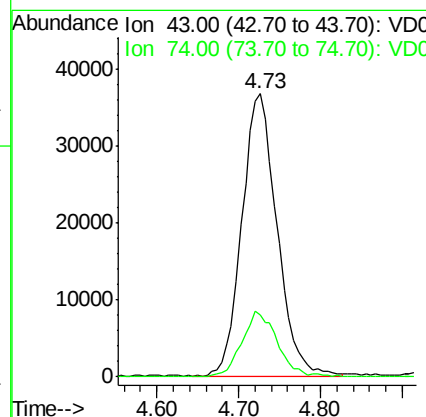
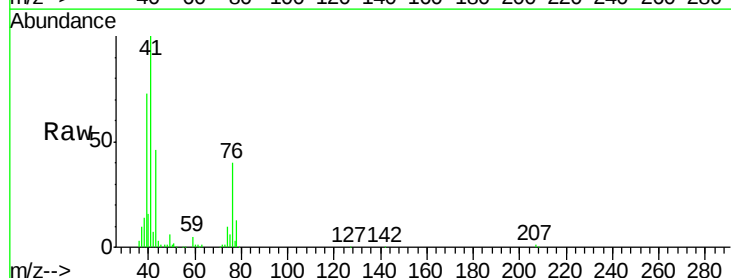
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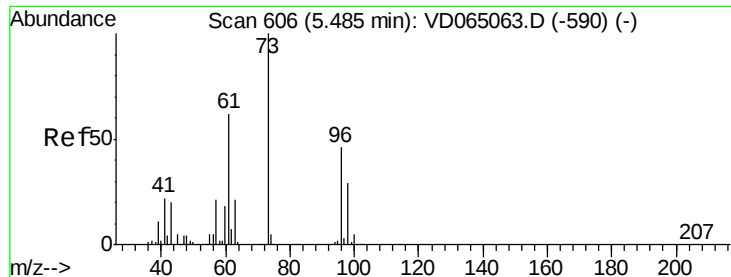
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#18
Methyl Acetate
Concen: 56.006 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.7	28.1





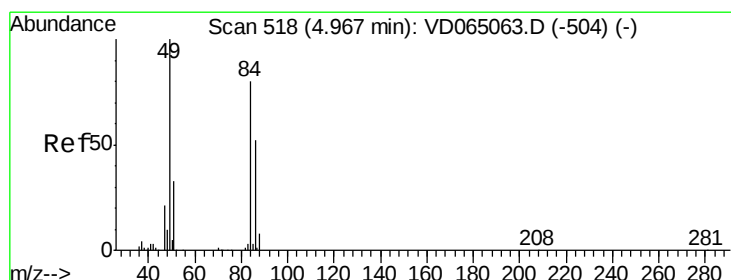
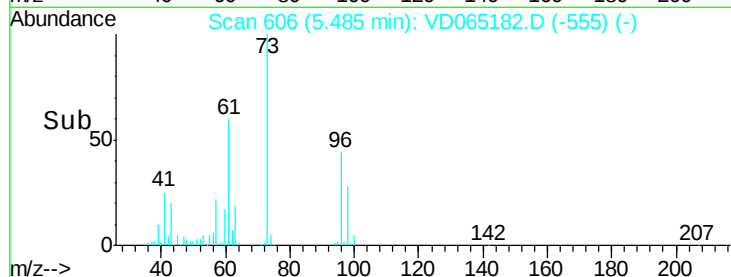
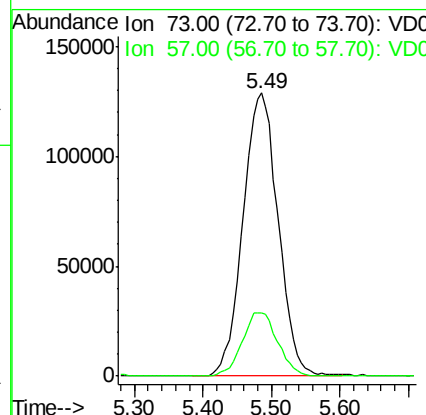
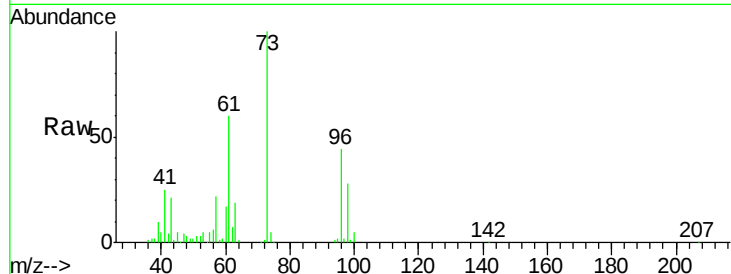
#19
Methyl tert-butyl Ether
Concen: 52.687 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 458268
Ion Ratio Lower Upper
73 100
57 22.5 16.8 25.2

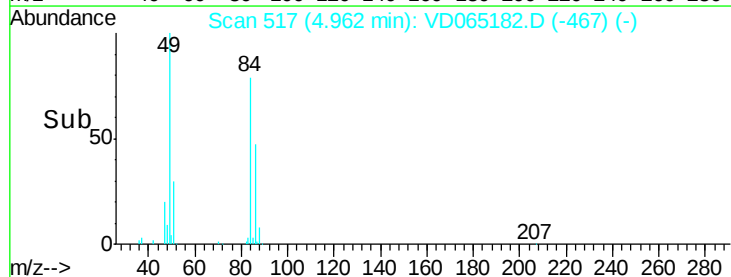
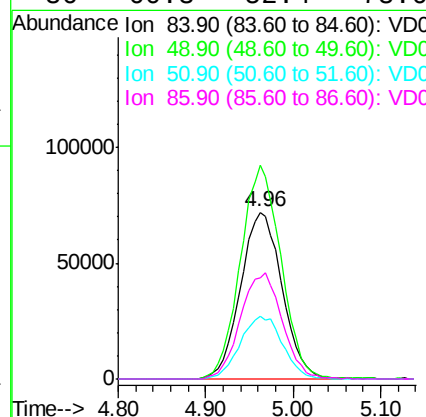
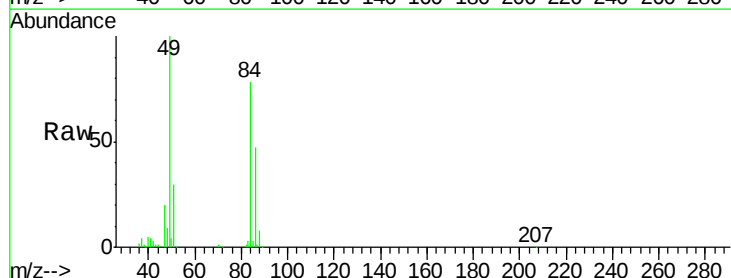
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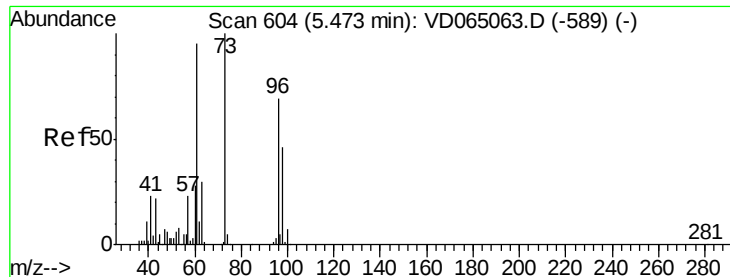
MMDadoda
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#20
Methylene Chloride
Concen: 56.132 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion: 84 Resp: 232007
Ion Ratio Lower Upper
84 100
49 128.0 100.4 150.6
51 38.0 32.7 49.1
86 60.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.752 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

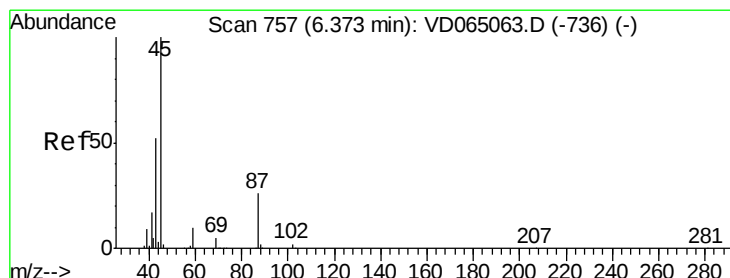
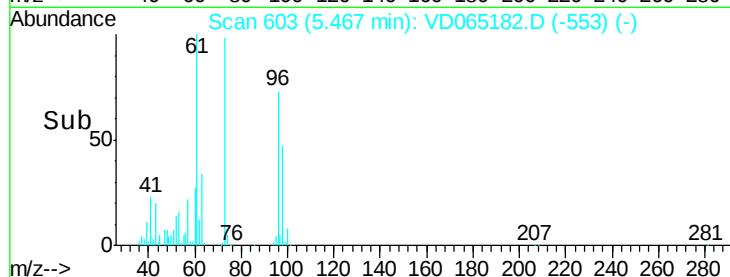
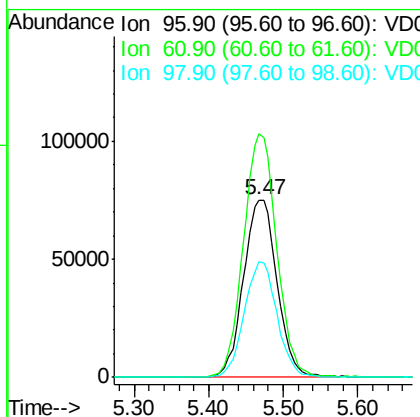
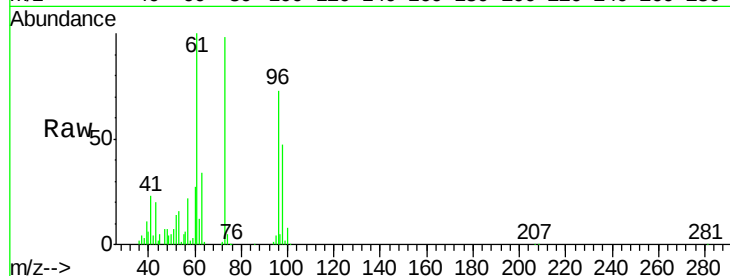
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	234752
Ion Ratio	Lower	Upper	
96	100		
61	137.2	109.5	164.3
98	64.8	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.478 ug/l

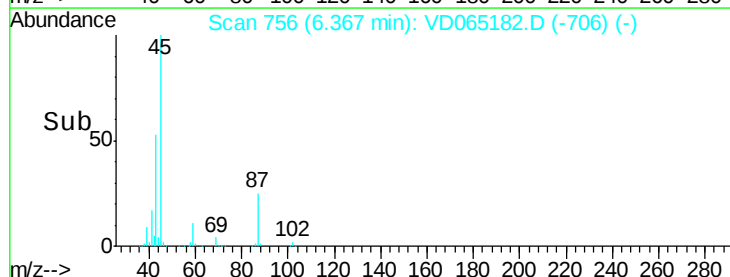
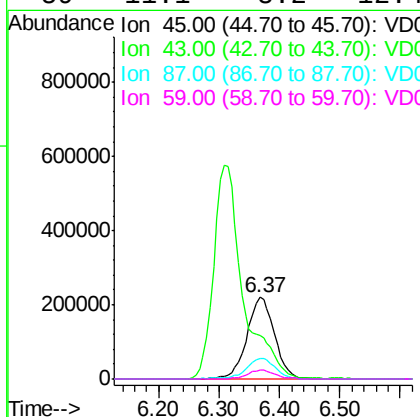
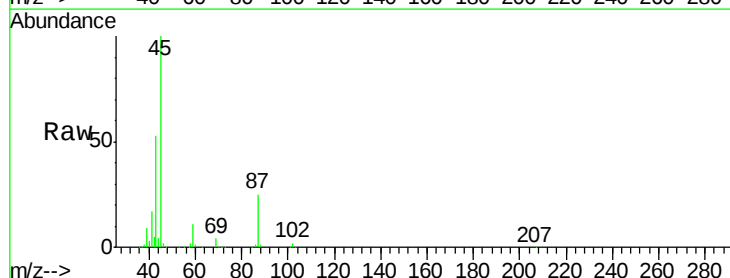
RT: 6.37 min Scan# 756

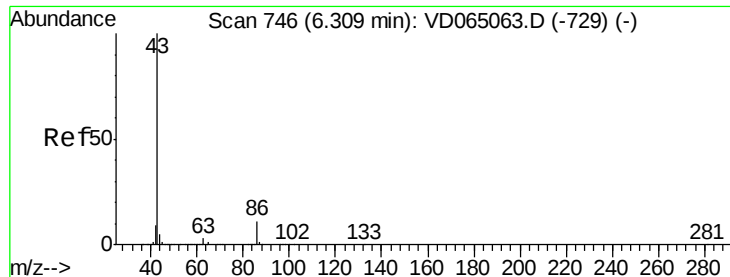
Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion:	45	Resp:	696403
Ion Ratio	Lower	Upper	
45	100		
43	52.4	41.3	61.9
87	25.1	21.0	31.6
59	11.1	8.2	12.4





#23

Vinyl Acetate

Concen: 281.920 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1937577

Ion Ratio Lower Upper

43 100

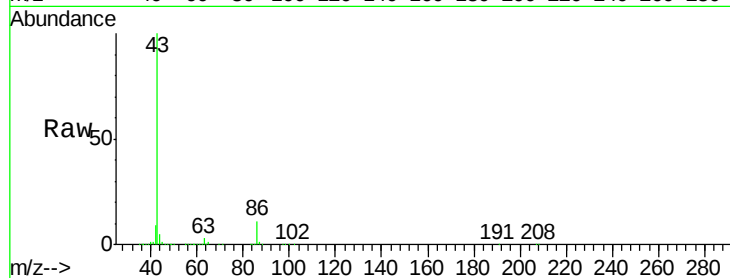
86 10.6 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

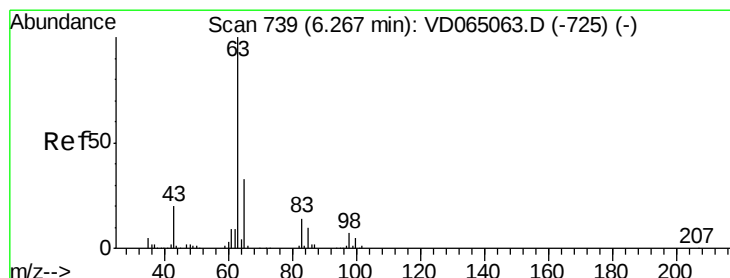
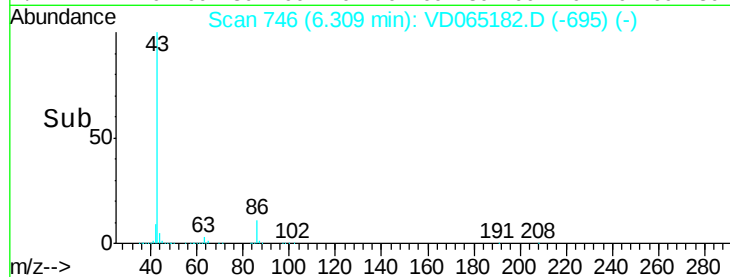
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 54.039 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

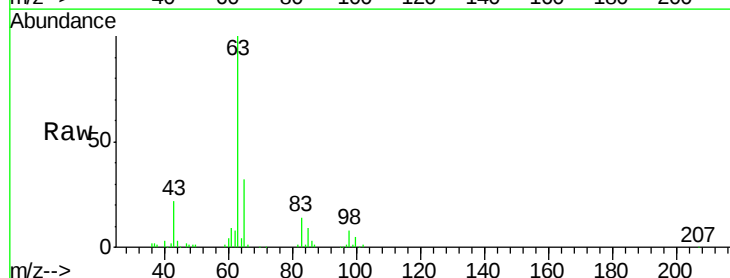
Tgt Ion: 63 Resp: 403315

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.5 2.5 7.6



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

6.27

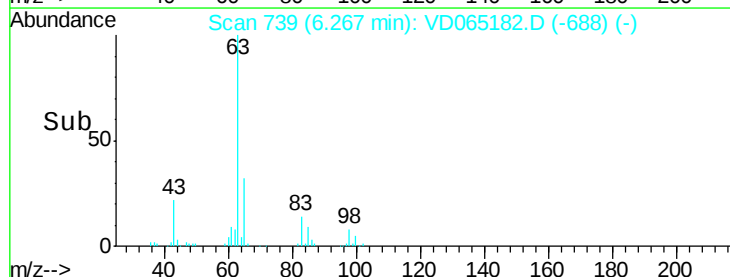
150000

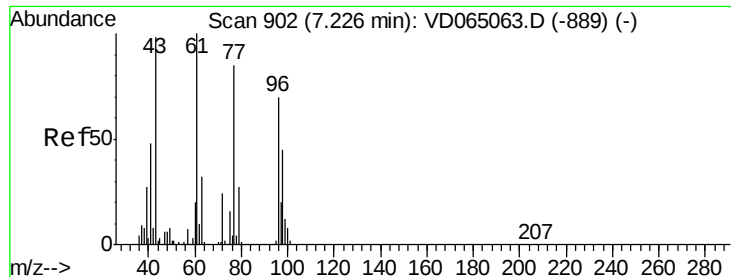
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 281.000 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 317377

Ion Ratio Lower Upper

43 100

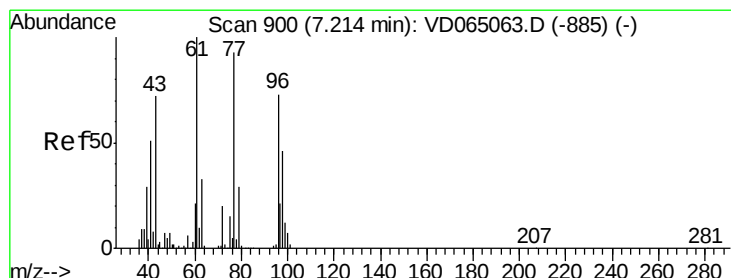
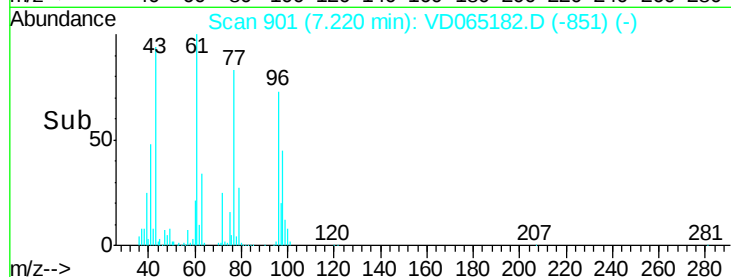
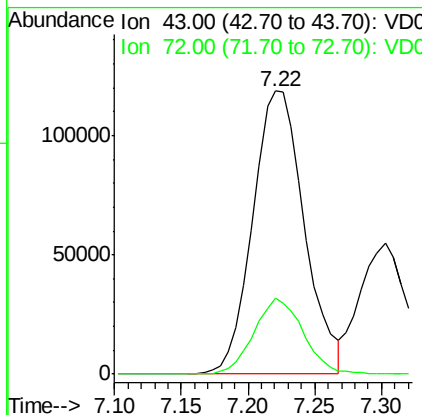
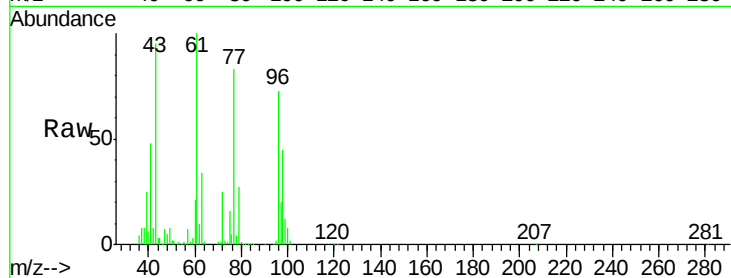
72 26.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.725 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065182.D

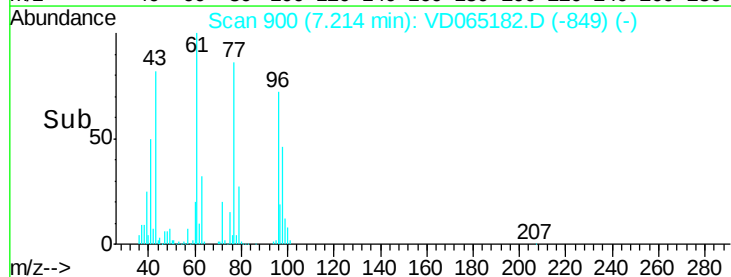
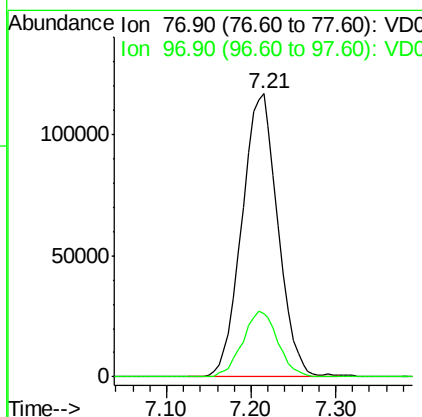
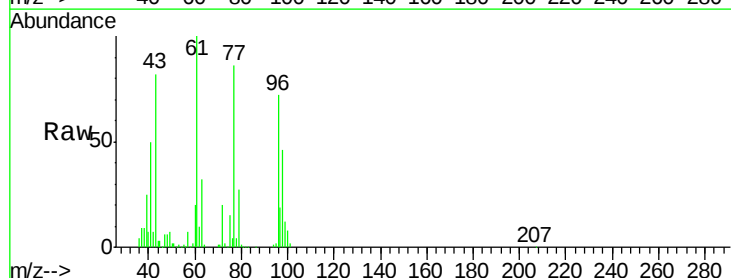
Acq: 13 Feb 2020 17:42

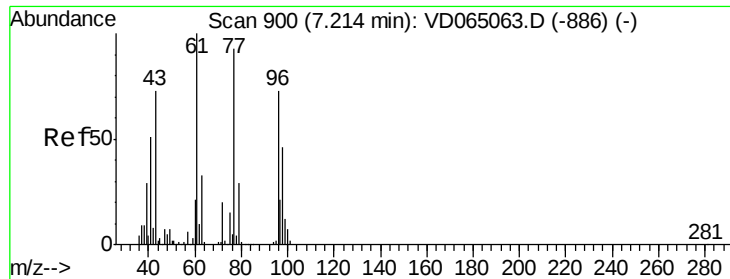
Tgt Ion: 77 Resp: 346021

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.6





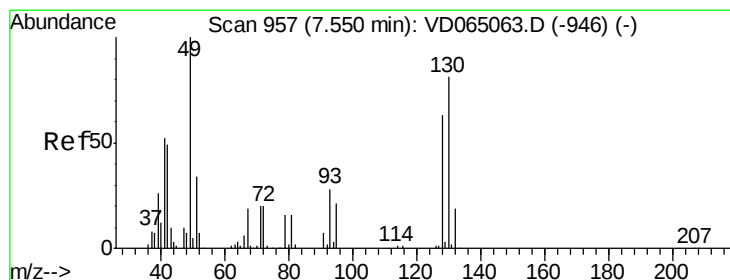
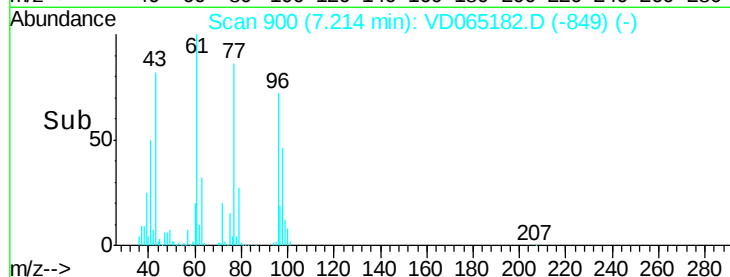
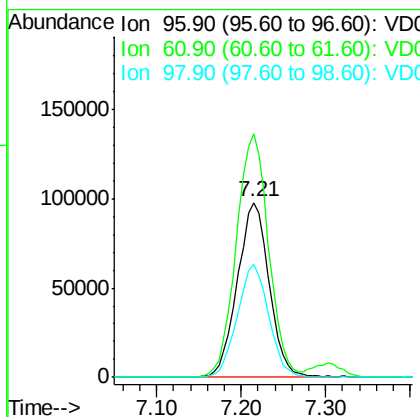
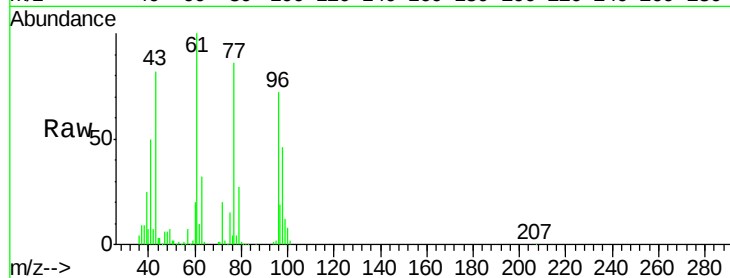
#27
 cis-1,2-Dichloroethene
 Concen: 54.125 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	292.8
98	63.8	0.0	128.8

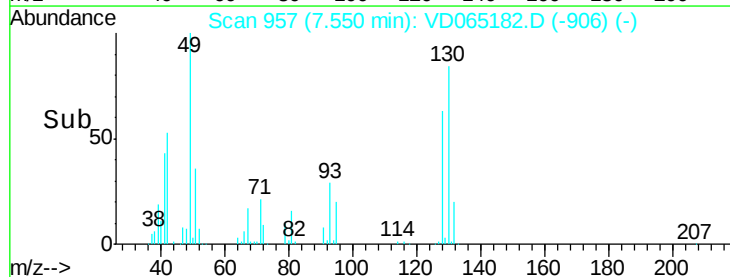
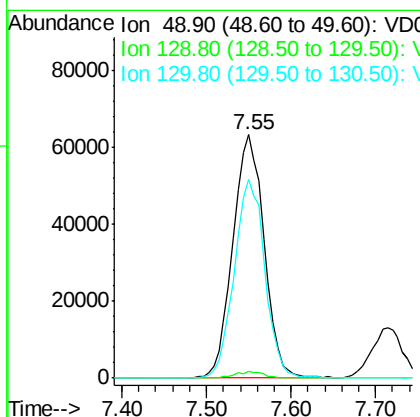
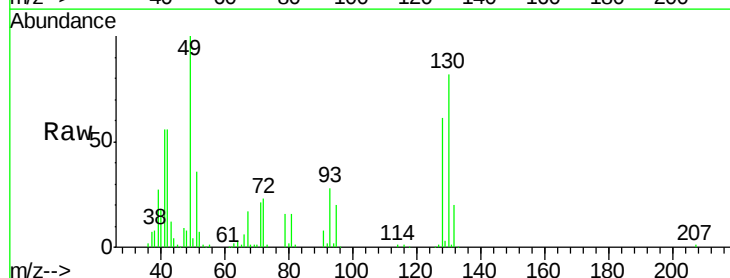
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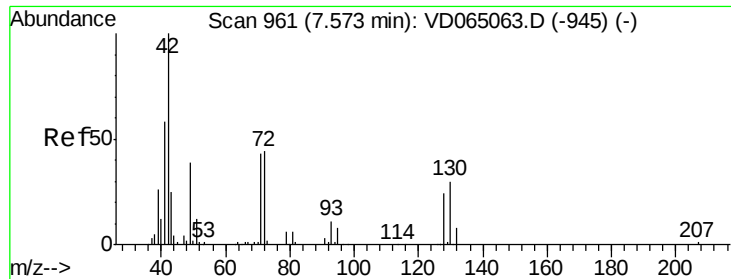
MMDadoda
 2/14/2020 4:17:59 PM



#28
 Bromochloromethane
 Concen: 57.355 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.9	63.8	95.8





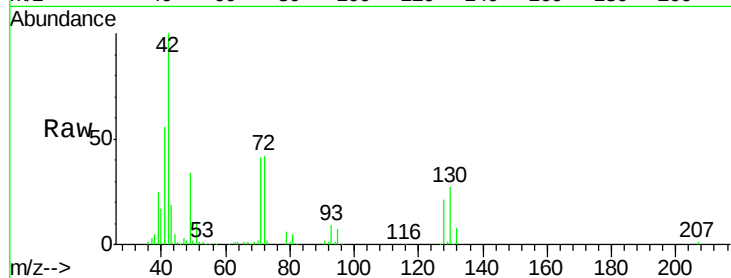
#29
Tetrahydrofuran
Concen: 285.271 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

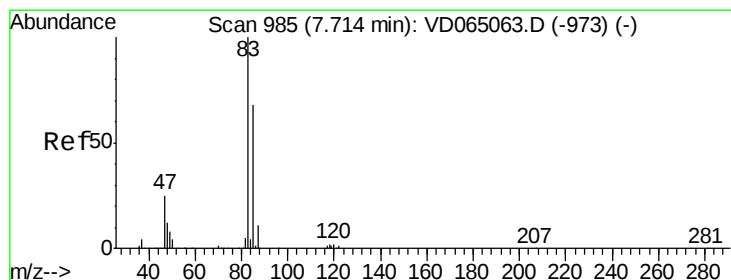
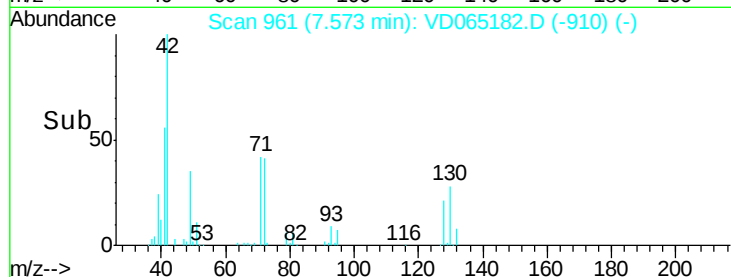
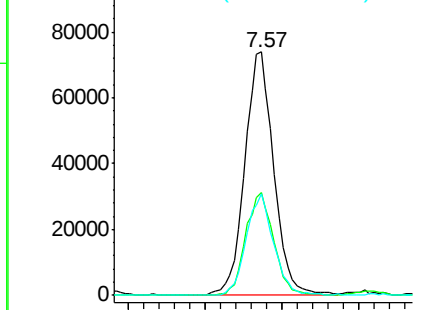
Tot Ion:	42	Resp:	194846
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.2	51.4
71	39.3	31.8	47.6

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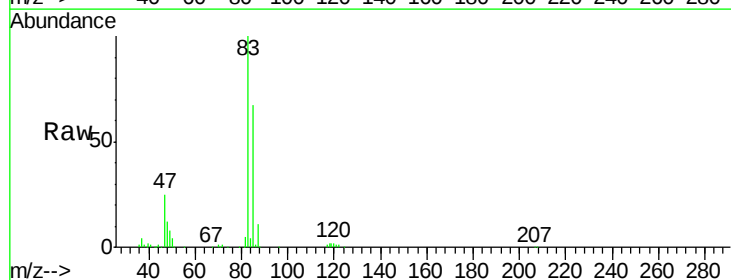


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

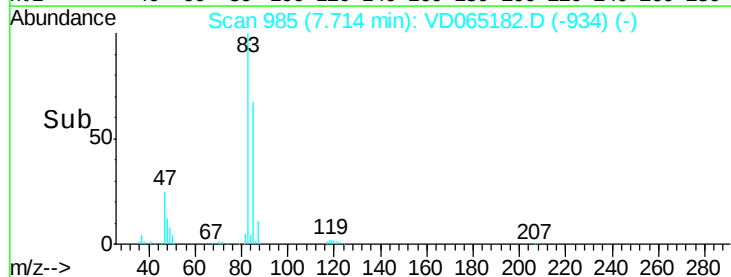
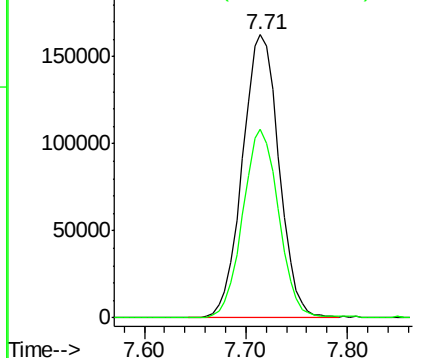


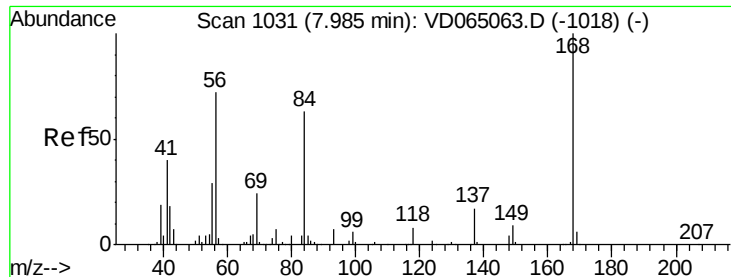
#30
Chloroform
Concen: 54.695 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion:	83	Resp:	406458
Ion	Ratio	Lower	Upper
83	100		
85	66.7	54.2	81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





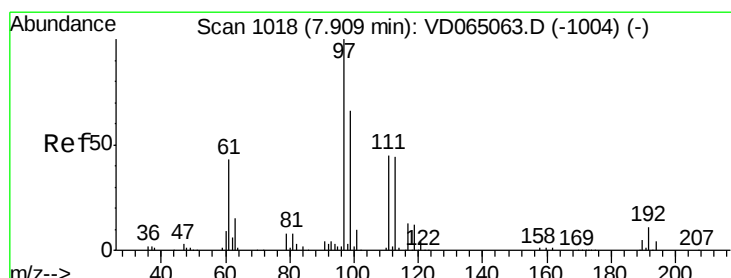
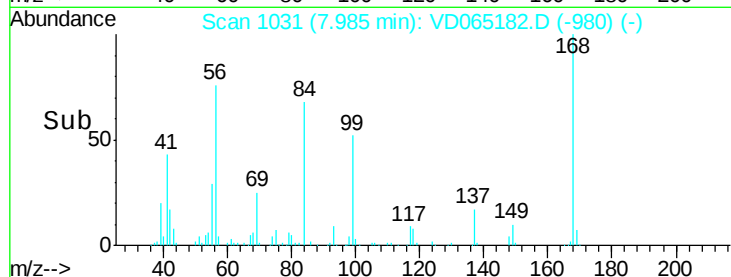
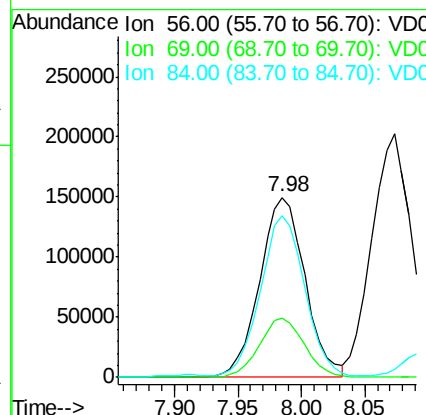
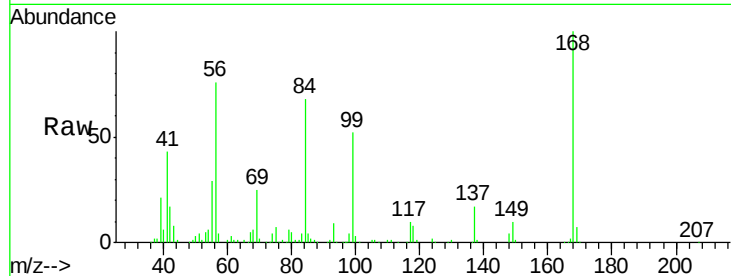
#31
Cyclohexane
Concen: 49.409 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.6	40.0
84	88.4	70.6	106.0

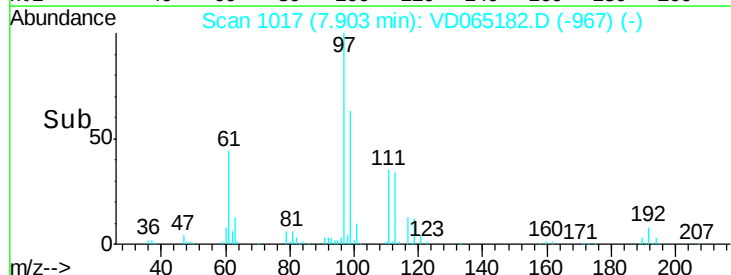
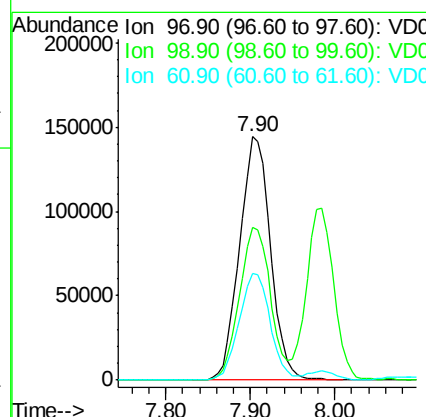
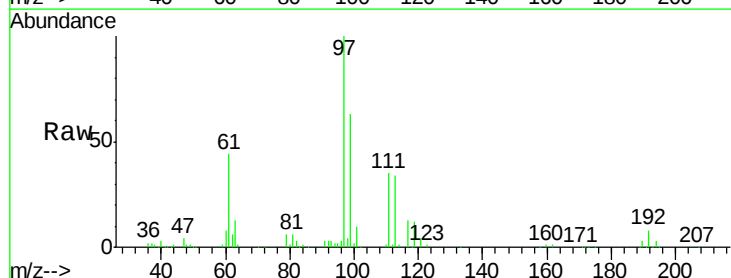
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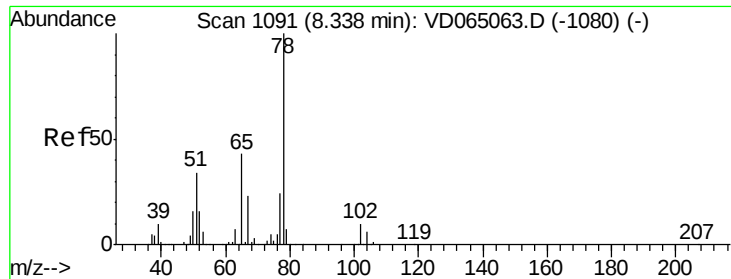
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.807 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	44.2	34.8	52.2





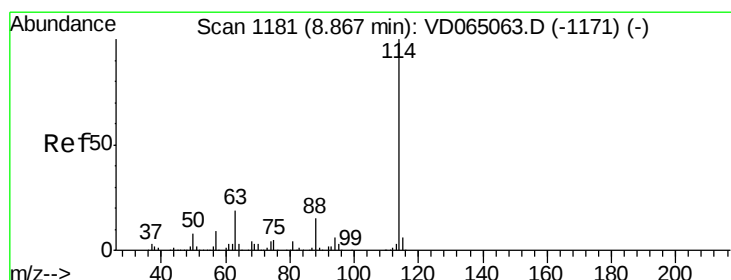
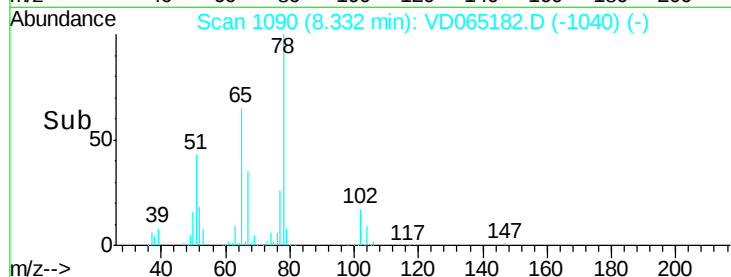
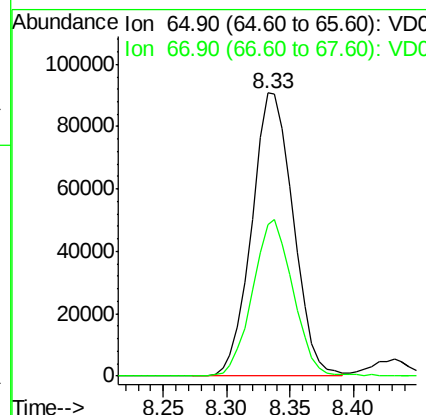
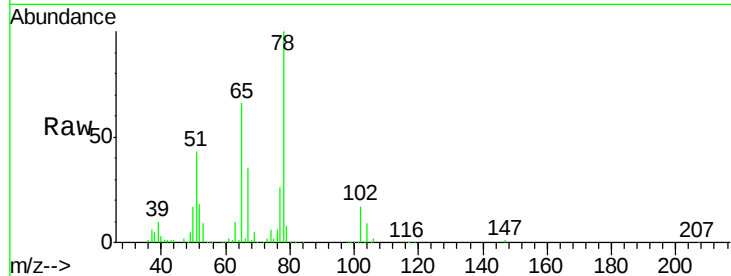
#33
 1,2-Dichloroethane-d4
 Concen: 54.635 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206909		
67	54.1	0.0	105.8	

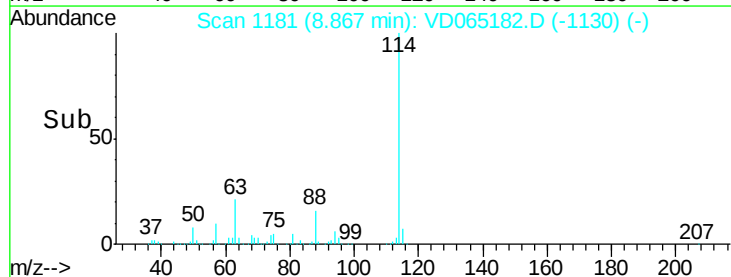
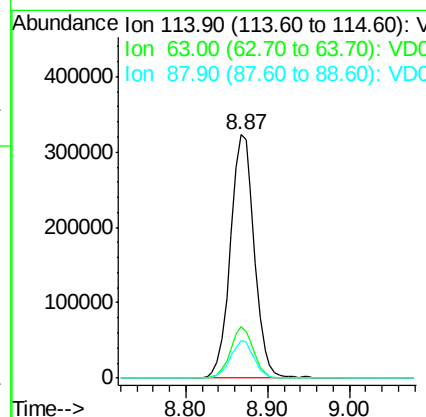
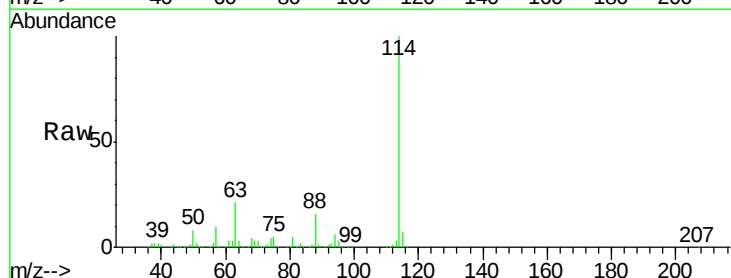
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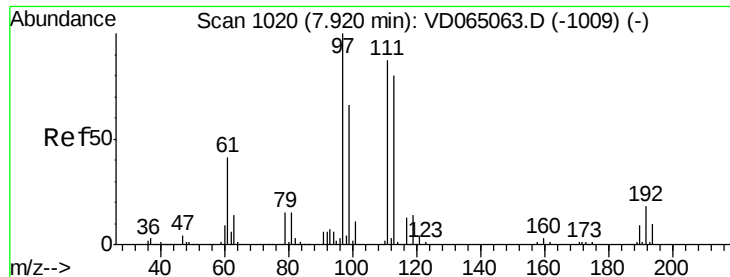
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	656685		
63	21.4	0.0	38.8	
88	15.6	0.0	29.6	





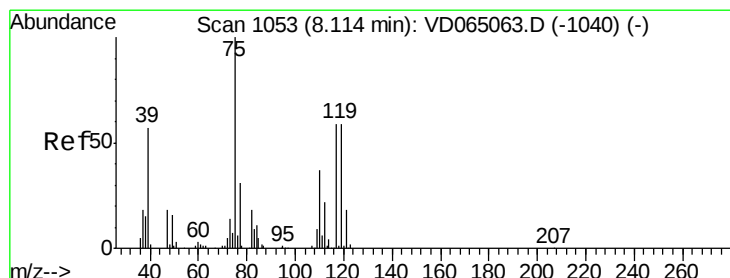
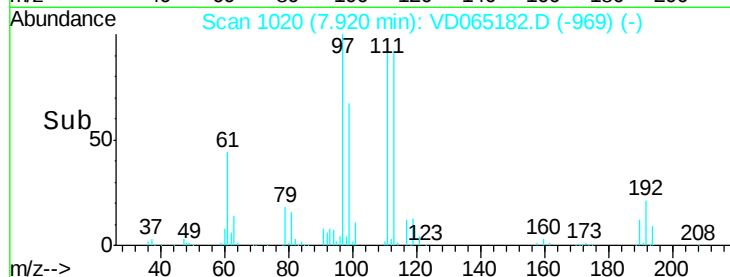
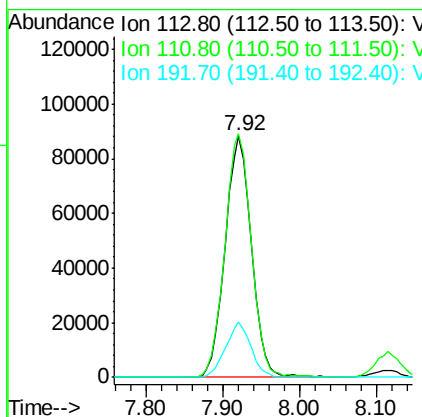
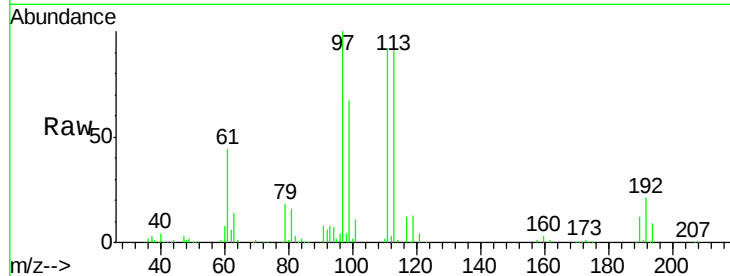
#35
Dibromofluoromethane
Concen: 57.503 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210685		
111	101.8	83.1	124.7	
192	21.9	18.1	27.1	

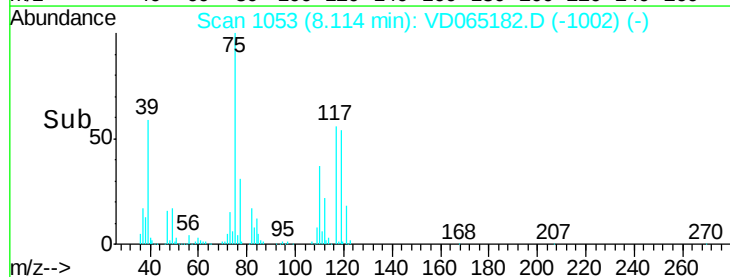
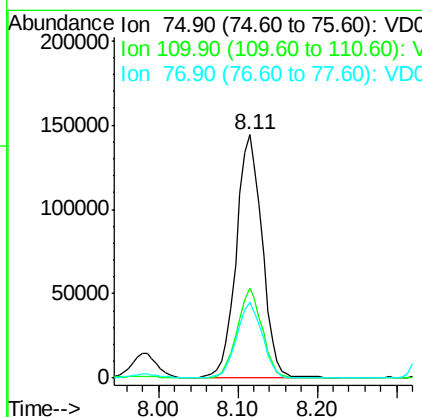
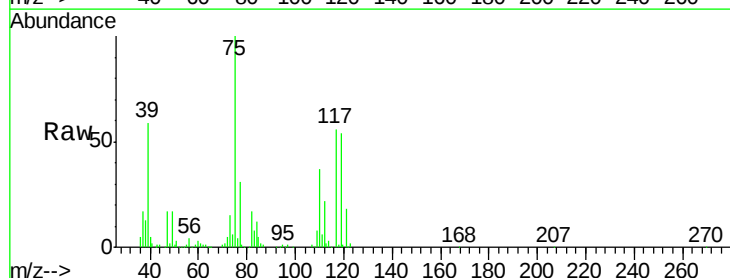
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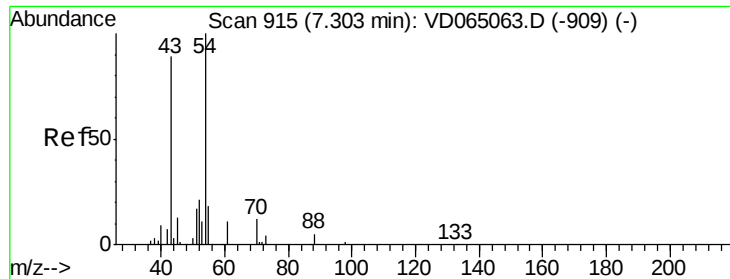
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#36
1,1-Dichloropropene
Concen: 53.204 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	324873		
110	35.8	18.1	54.3	
77	31.3	24.7	37.1	





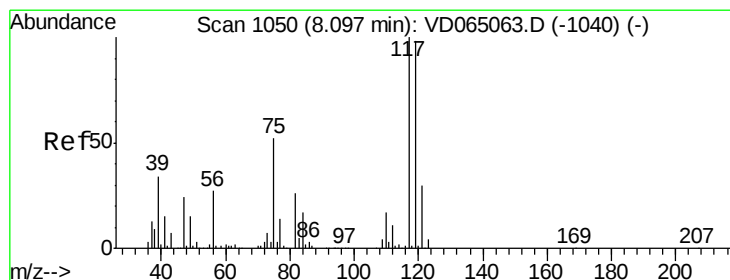
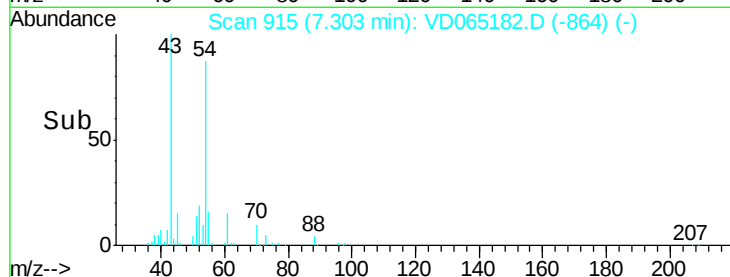
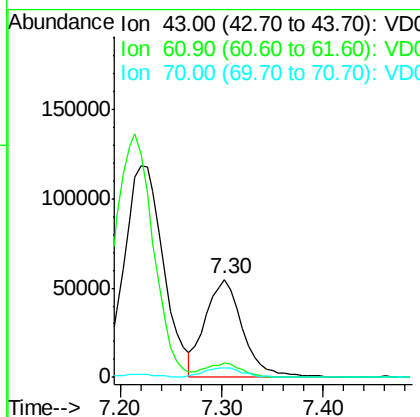
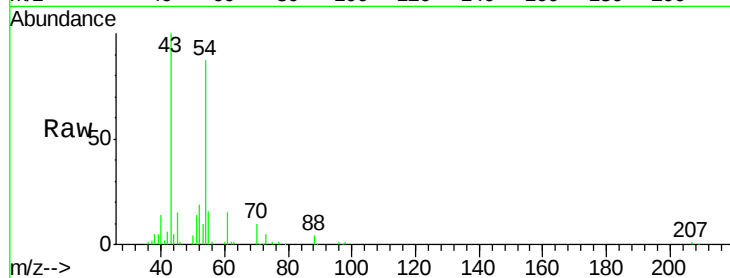
#37
Ethyl Acetate
Concen: 55.311 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	10.0	8.2	12.2

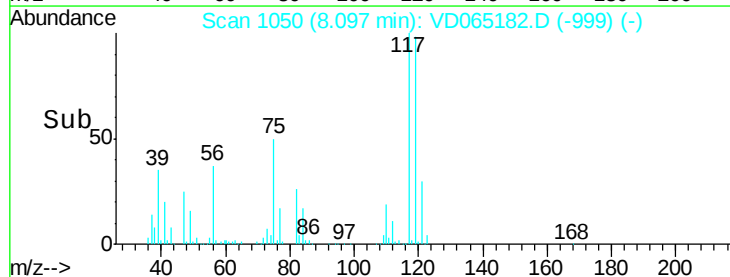
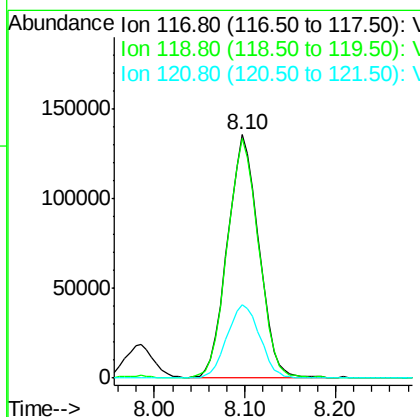
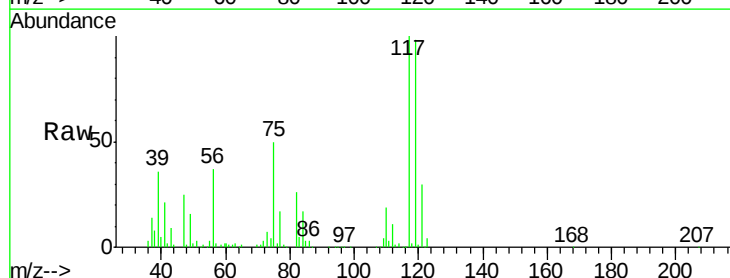
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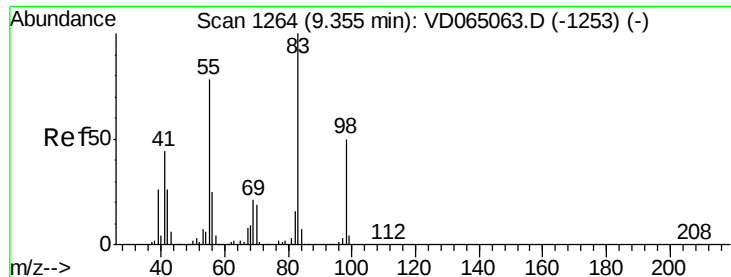
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#38
Carbon Tetrachloride
Concen: 51.998 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.5	117.7
121	30.4	23.8	35.6





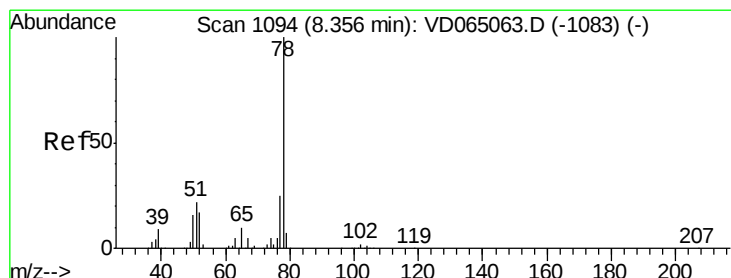
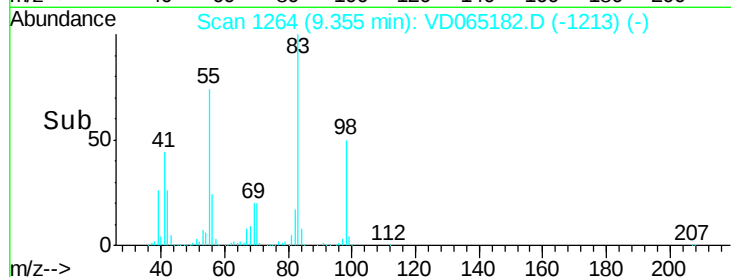
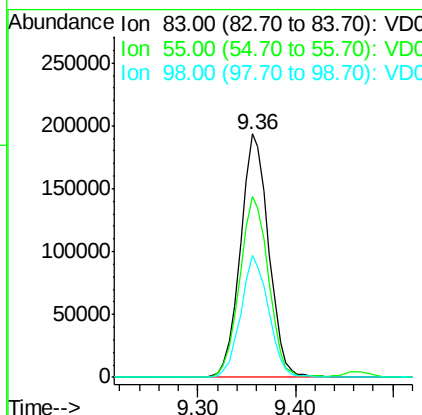
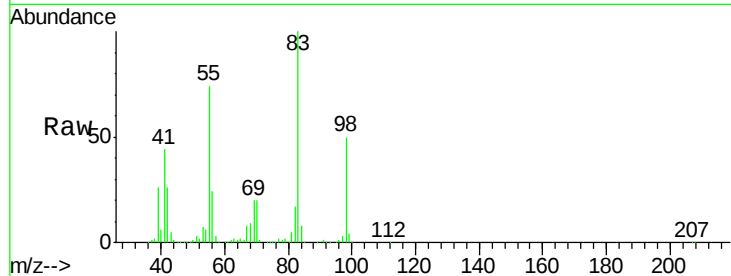
#39
Methvlcvclohexane
Concen: 51.486 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	62.0	93.0
98	49.9	39.9	59.9

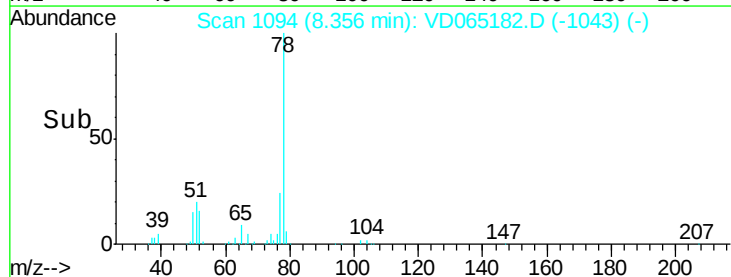
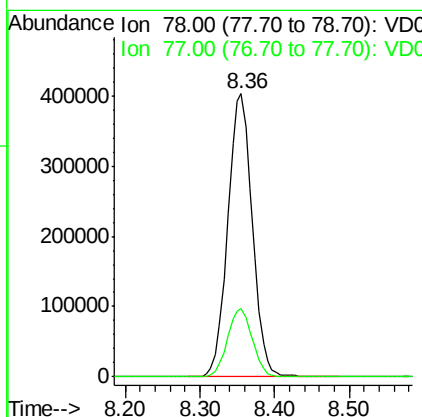
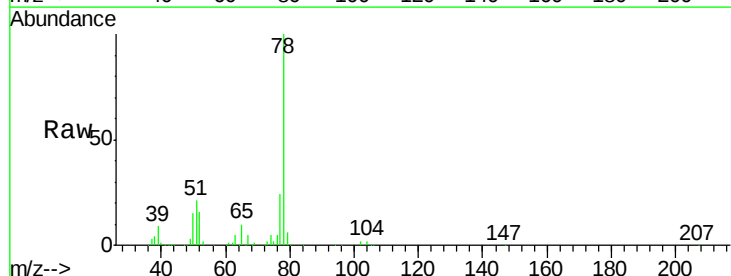
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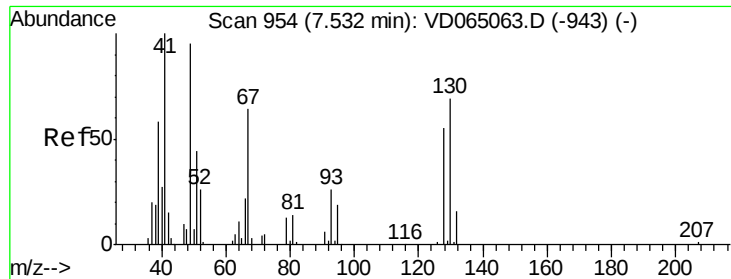
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#40
Benzene
Concen: 54.632 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





#41

Methacrylonitrile

Concen: 55.774 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

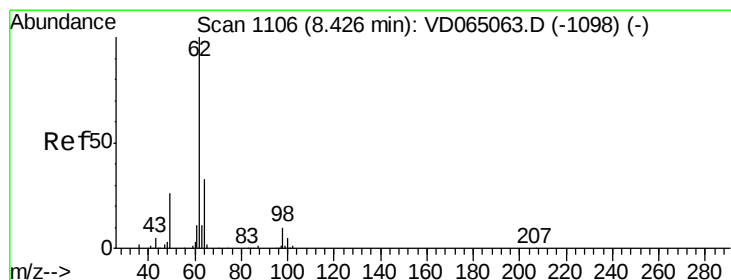
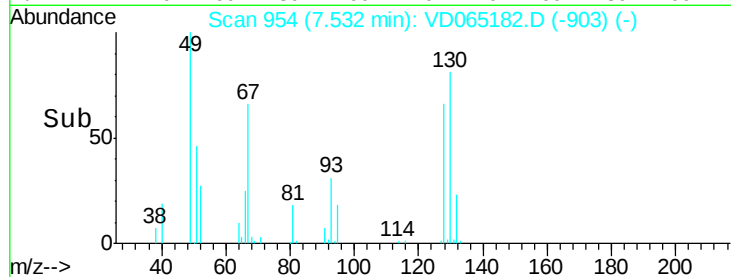
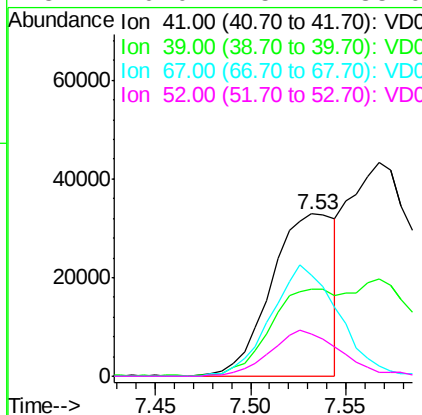
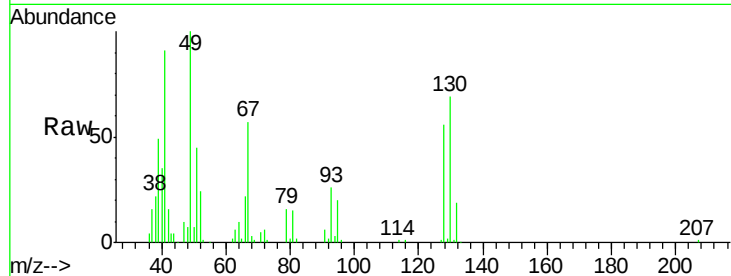
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	55.4	83.0#	
67	0.0	59.0	88.6#	
52	0.0	25.4	38.0#	

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#42

1,2-Dichloroethane

Concen: 53.486 ug/l

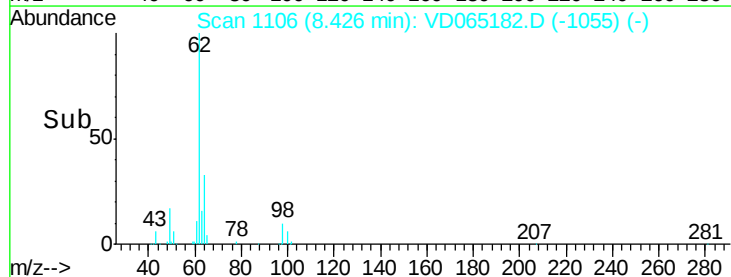
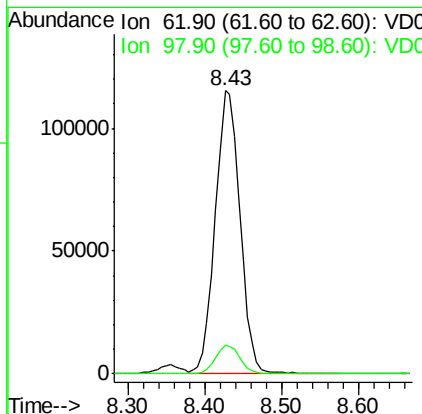
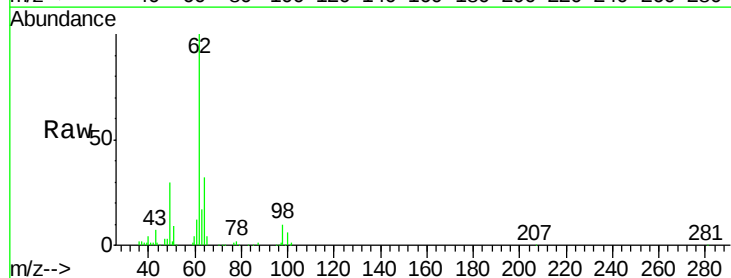
RT: 8.43 min Scan# 1106

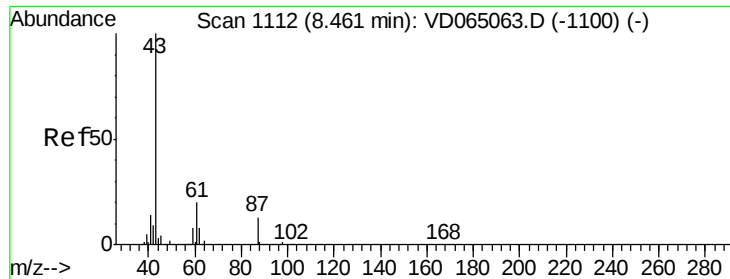
Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	18.6	





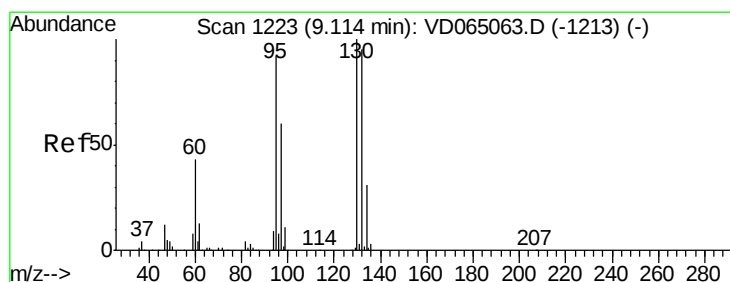
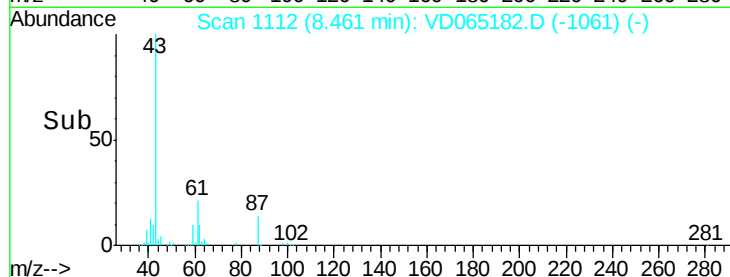
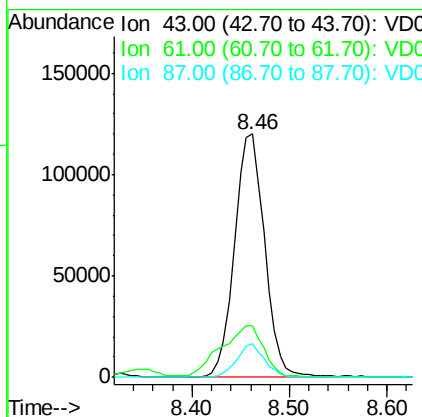
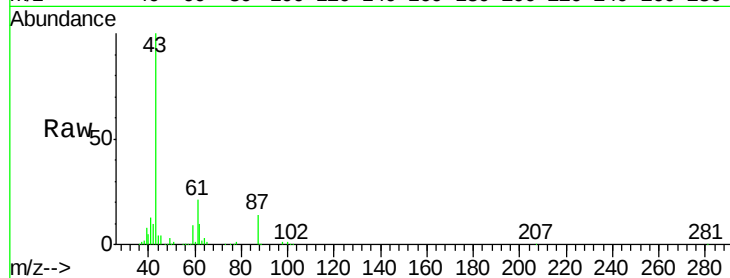
#43
Isopropyl Acetate
Concen: 53.836 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	13.1	10.2	15.4

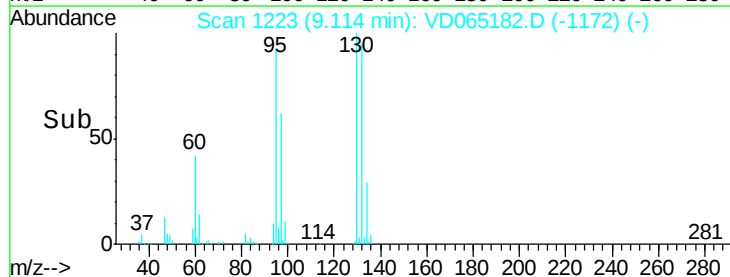
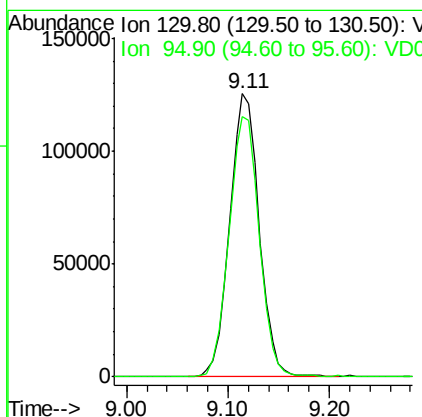
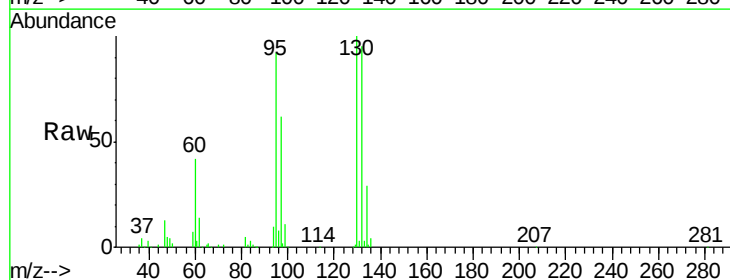
Manual Integrations
APPROVED

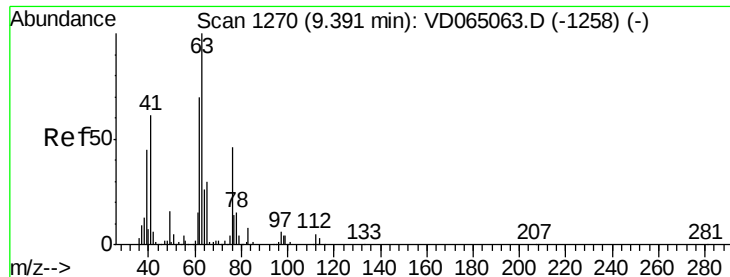
MMDadoda
2/14/2020 4:17:59 PM



#44
Trichloroethene
Concen: 52.219 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	185.0





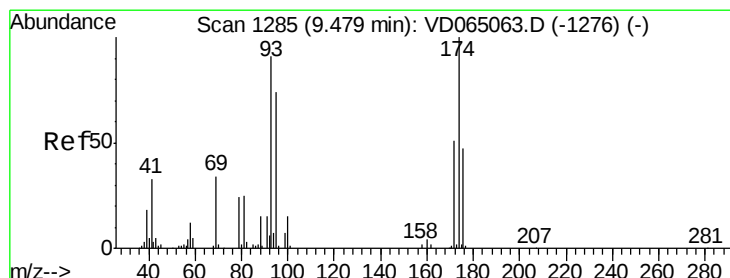
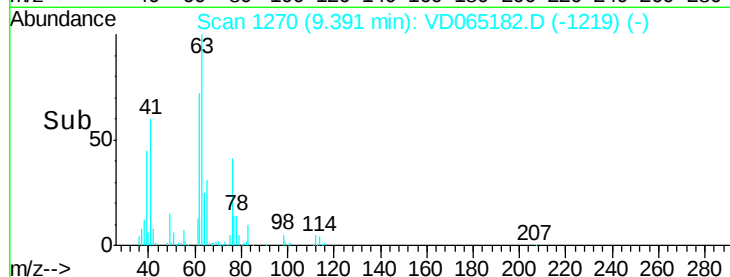
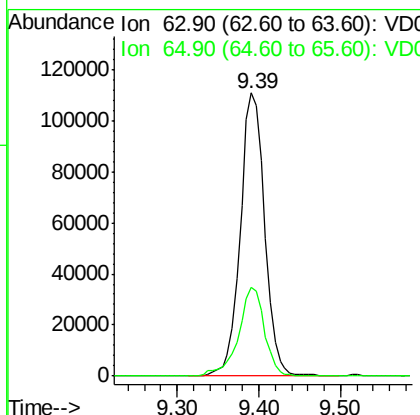
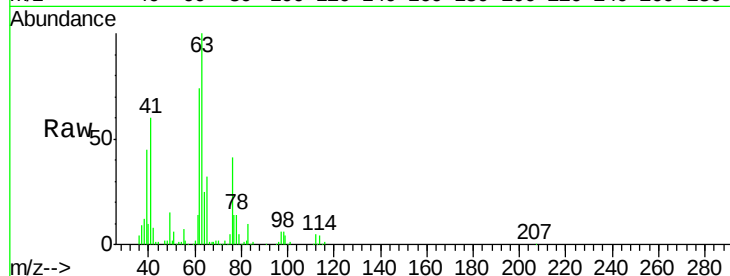
#45
 1,2-Dichloropropane
 Concen: 57.085 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	230788
Ion Ratio	Lower	Upper	
63	100		
65	31.6	23.9	35.9

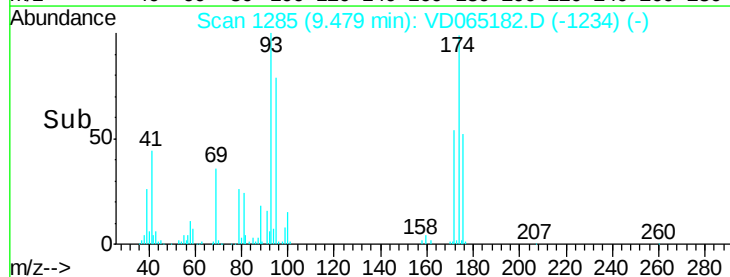
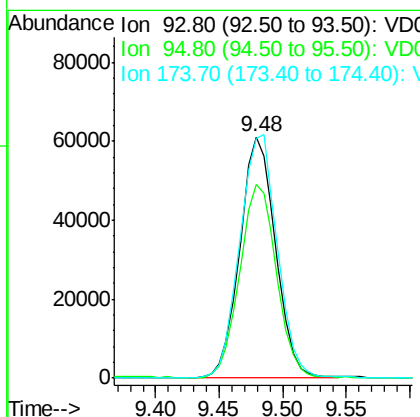
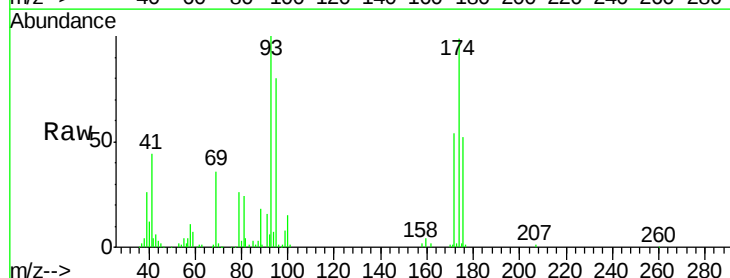
Manual Integrations
 APPROVED

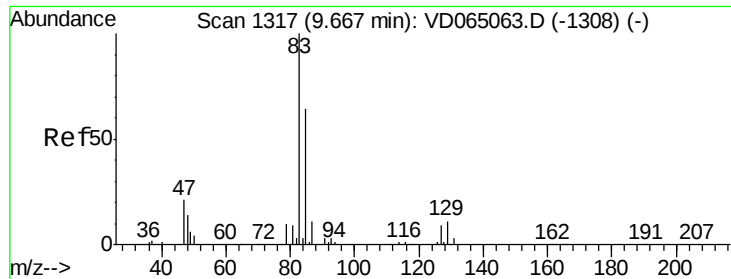
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 2/14/2020 4:17:59 PM



#46
 Dibromomethane
 Concen: 56.291 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	93	Resp	119586
Ion Ratio	Lower	Upper	
93	100		
95	82.9	66.5	99.7
174	105.8	89.8	134.8





#47

Bromodichloromethane

Concen: 56.015 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

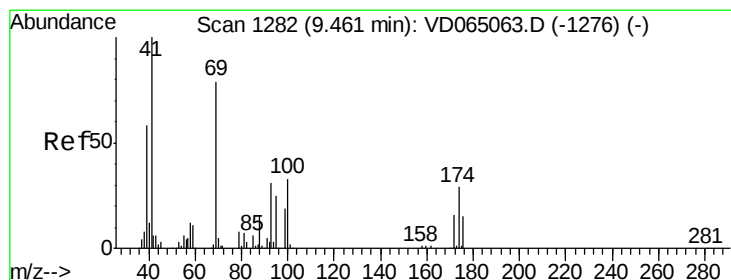
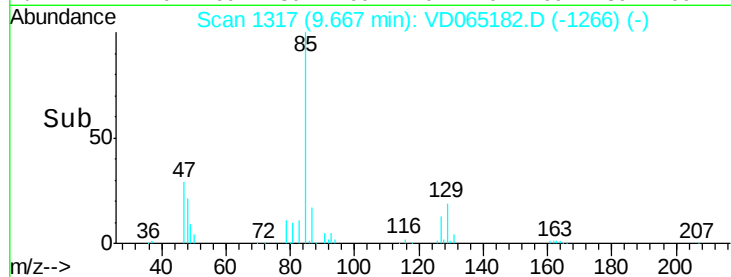
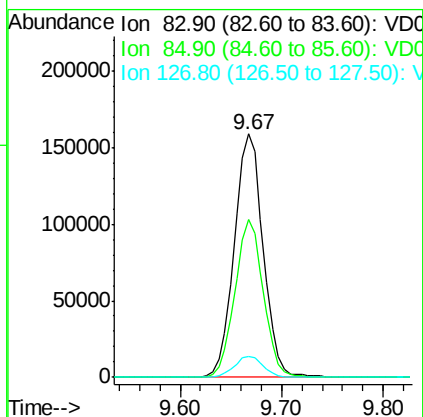
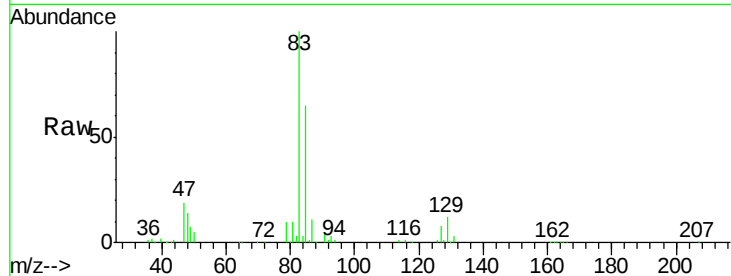
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	313550
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	8.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.972 ug/l

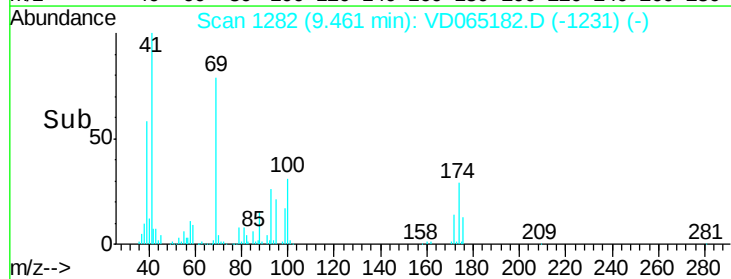
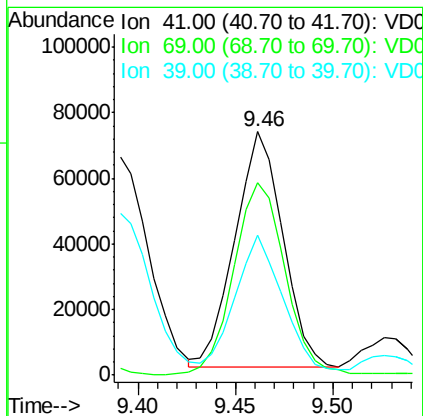
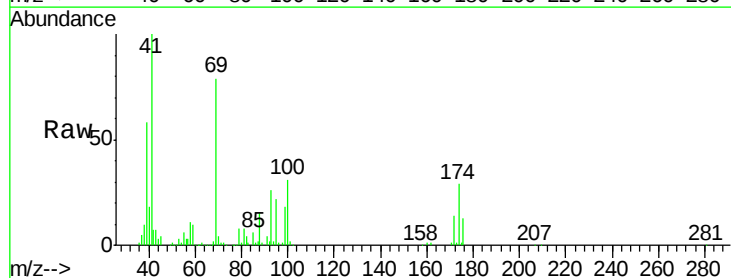
RT: 9.46 min Scan# 1282

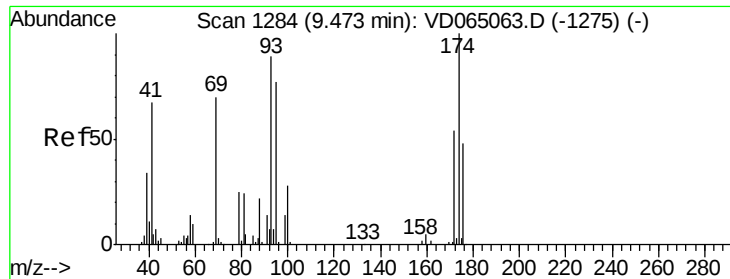
Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion:	41	Resp:	121639
Ion	Ratio	Lower	Upper
41	100		
69	89.5	67.5	101.3
39	55.1	47.0	70.4





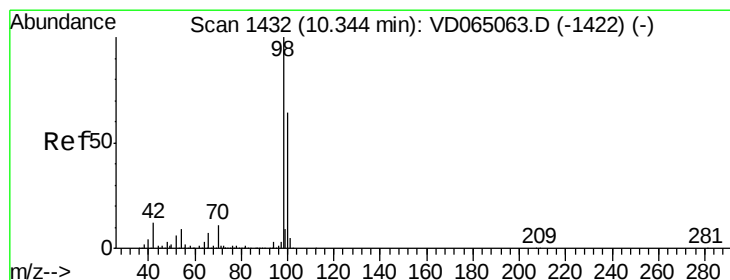
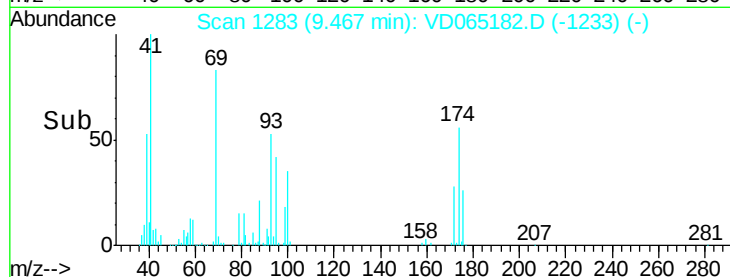
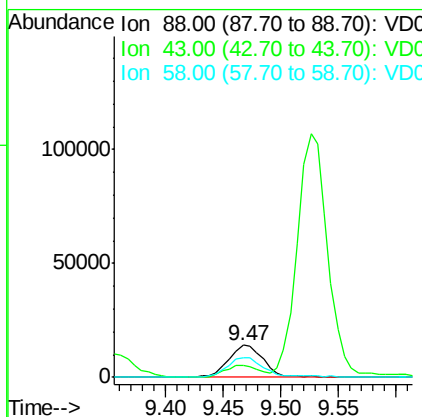
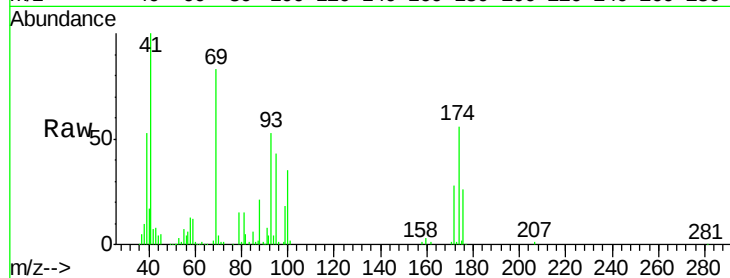
#49
1,4-Dioxane
Concen: 1181.609 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	29732
Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.7	41.5
58	64.1	55.5	83.3

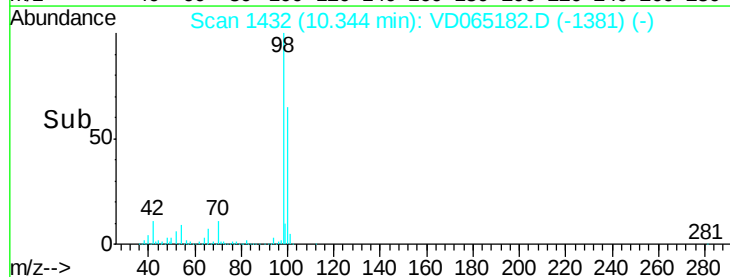
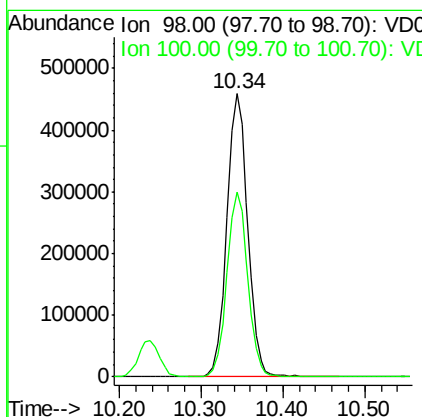
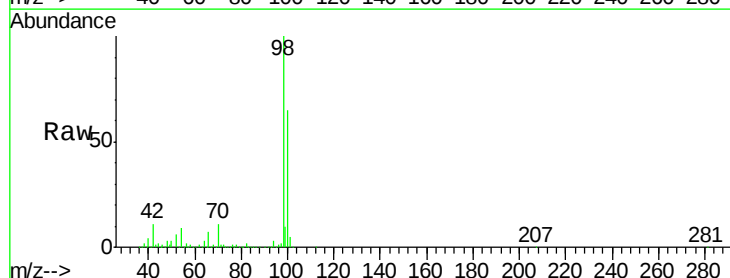
Manual Integrations
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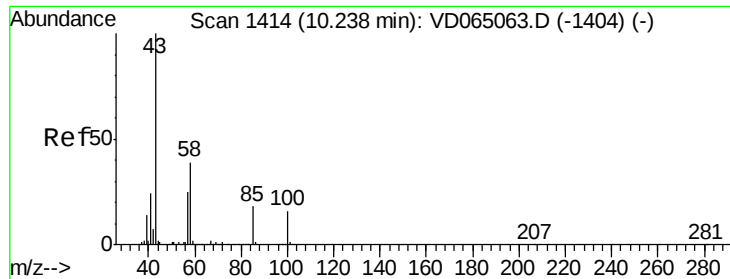
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#50
Toluene-d8
Concen: 55.741 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	98	Resp	812896
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 285.637 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 670917

Ion Ratio Lower Upper

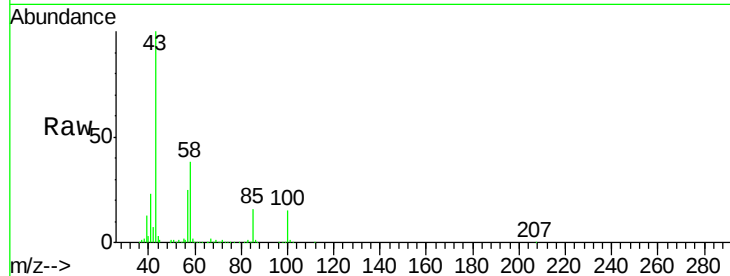
43 100

58 37.7 30.2 45.2

Manual Integrations
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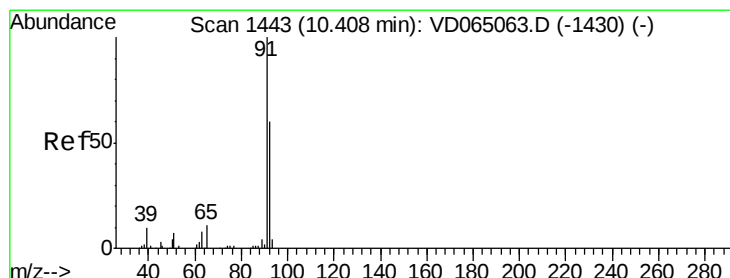
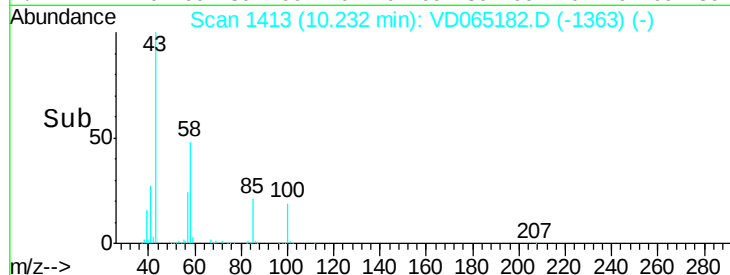
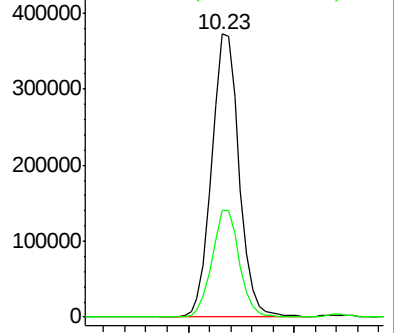
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.883 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065182.D

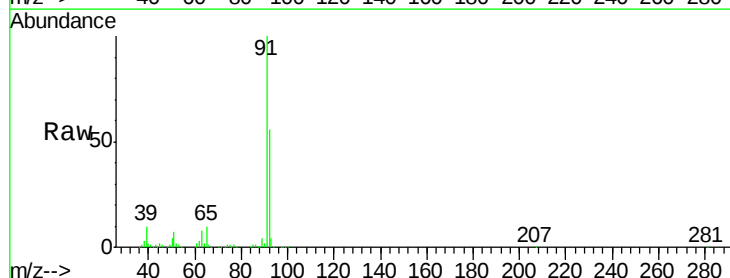
Acq: 13 Feb 2020 17:42

Tgt Ion: 92 Resp: 590654

Ion Ratio Lower Upper

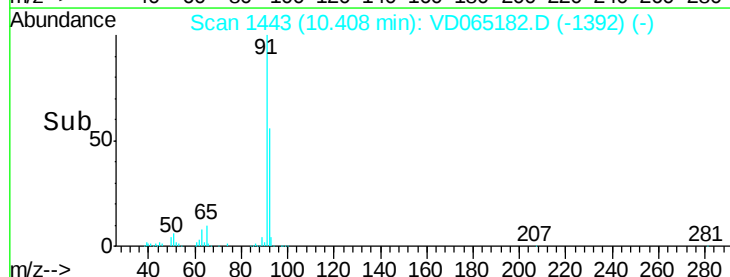
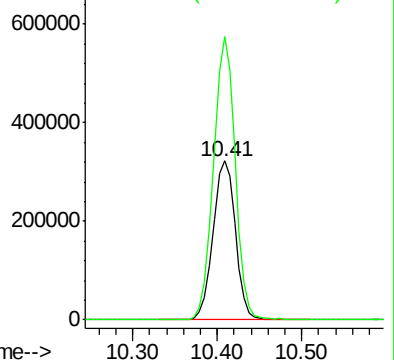
92 100

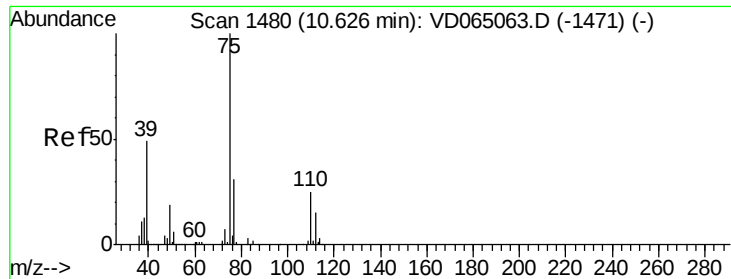
91 172.7 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





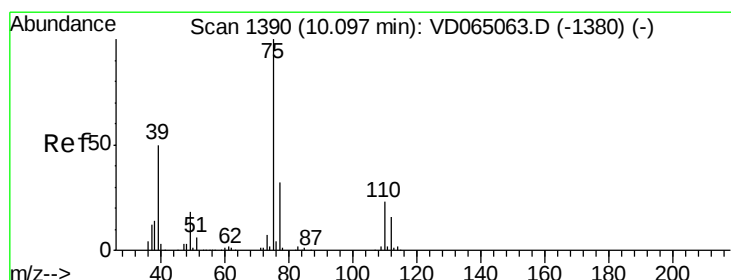
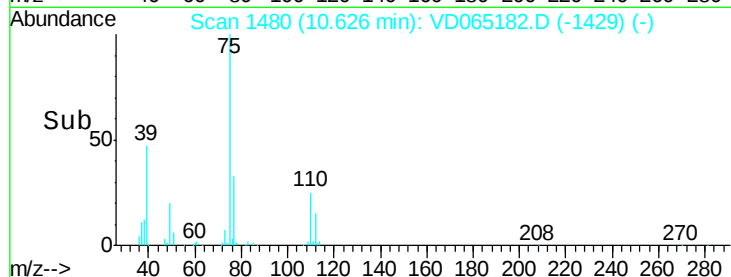
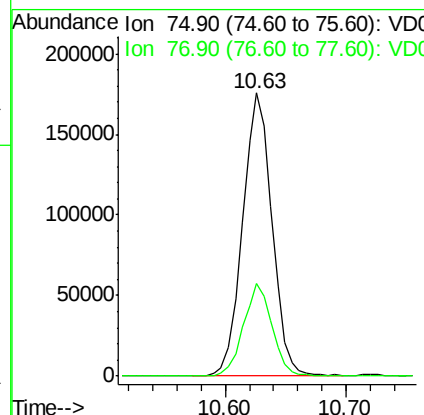
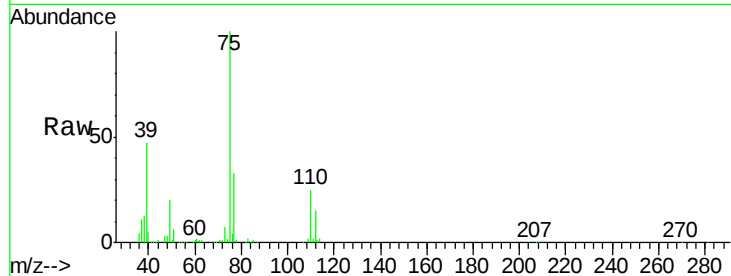
#53
t-1,3-Dichloropropene
Concen: 54.871 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.9	37.3

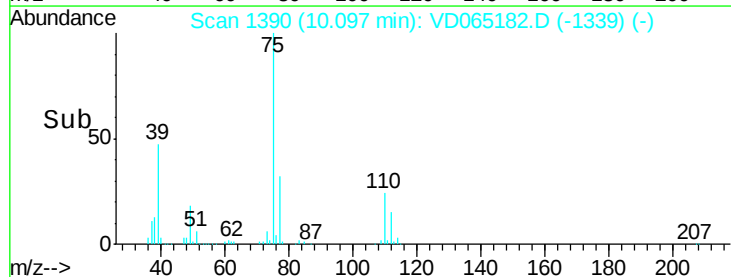
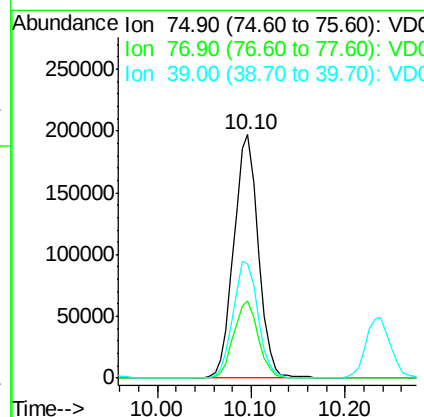
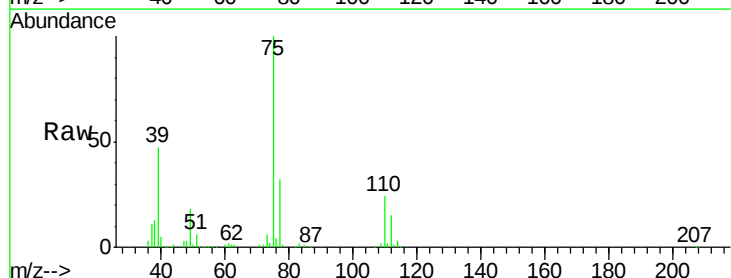
Manual Integrations
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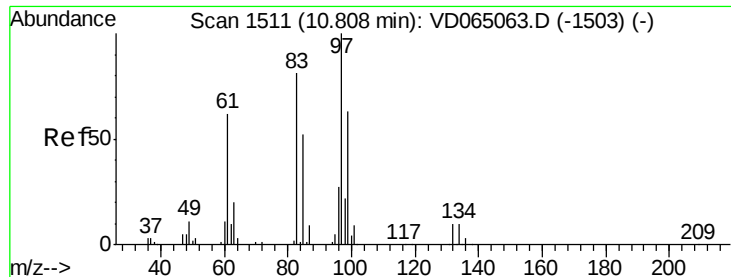
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.784 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	46.8	40.3	60.5





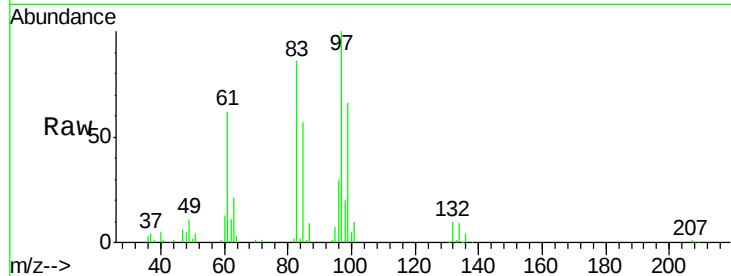
#55
 1,1,2-Trichloroethane
 Concen: 55.754 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

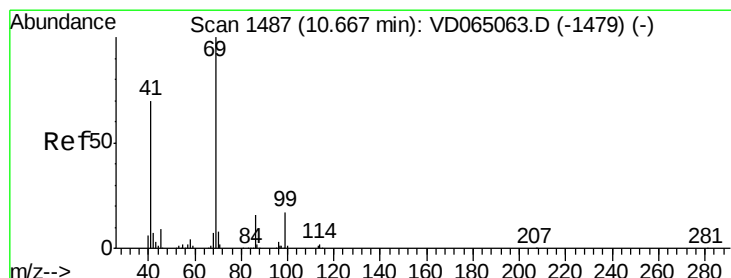
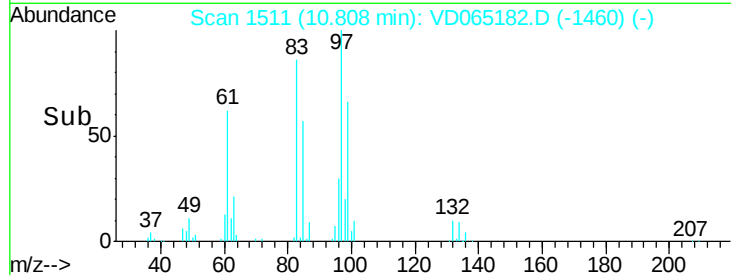
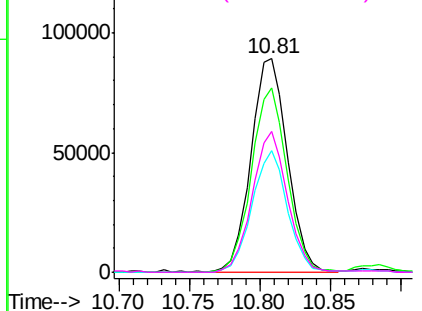
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	64.8	97.2
85	56.8	41.2	61.8
99	66.0	50.3	75.5

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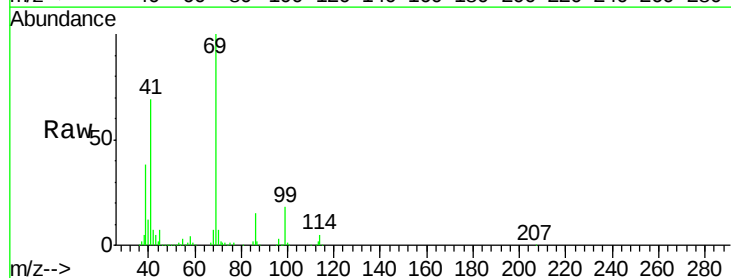


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

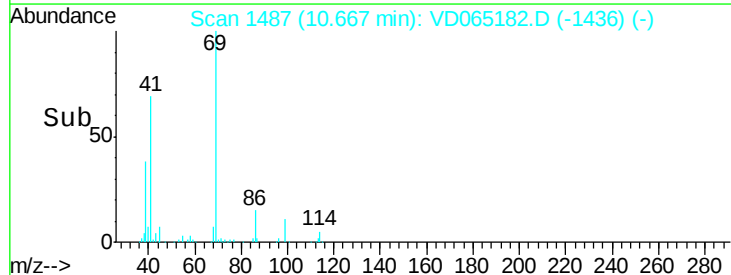
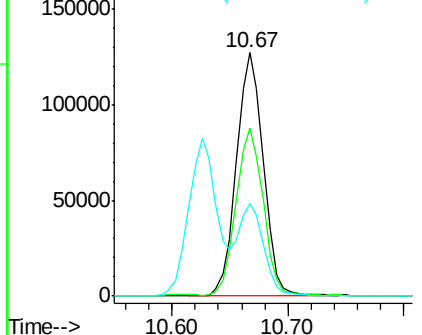


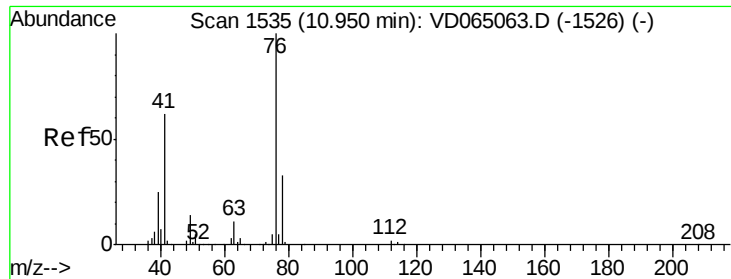
#56
 Ethyl methacrylate
 Concen: 55.696 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.9	83.9
39	35.8	29.4	44.0



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





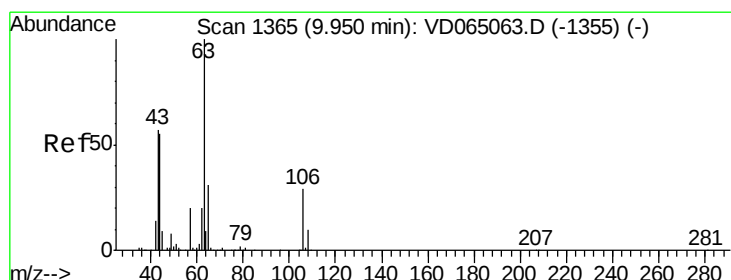
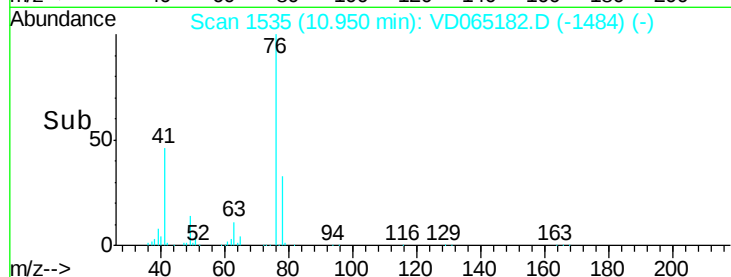
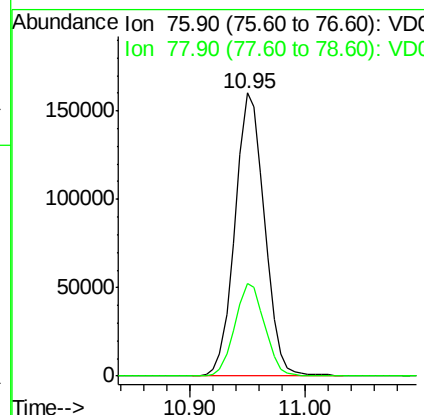
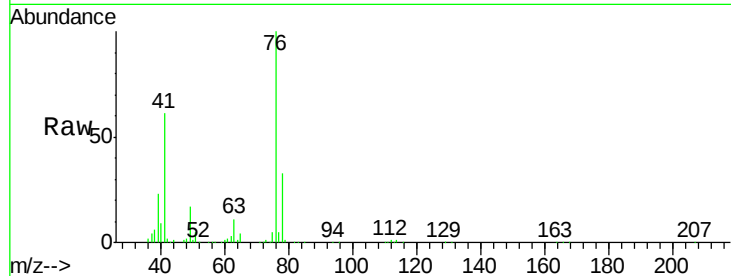
#57
 1,3-Dichloropropane
 Concen: 55.444 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 284092
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6

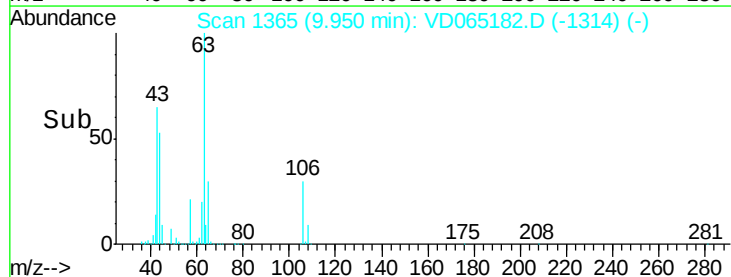
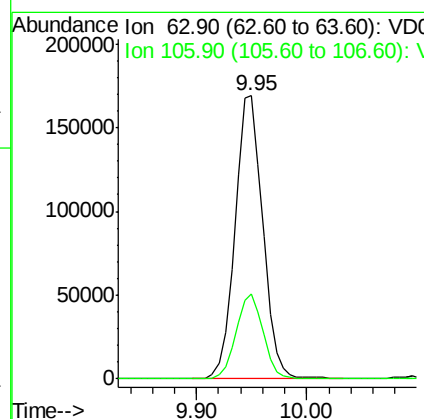
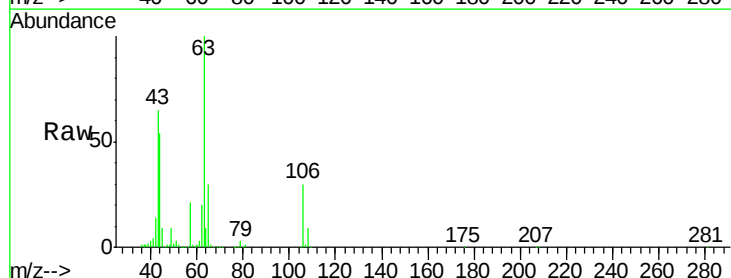
Manual Integrations
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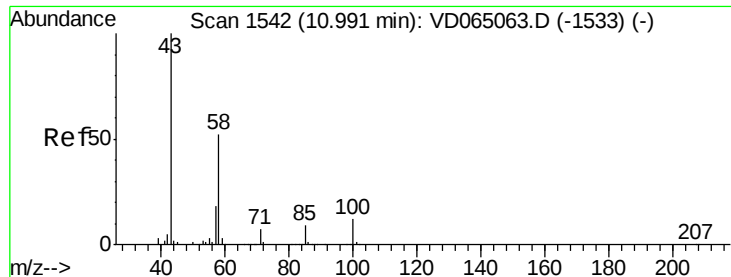
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#58
 2-Chloroethyl Vinyl ether
 Concen: 251.440 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion: 63 Resp: 299398
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





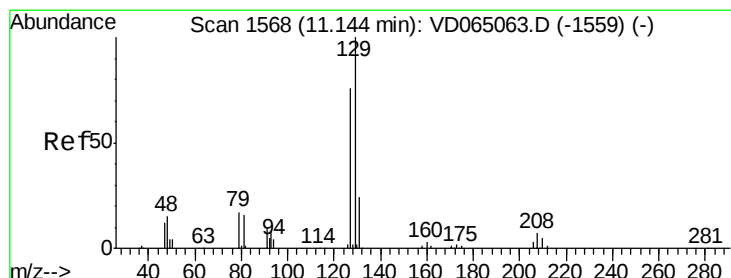
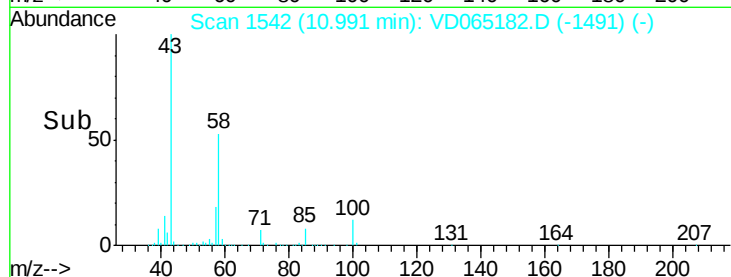
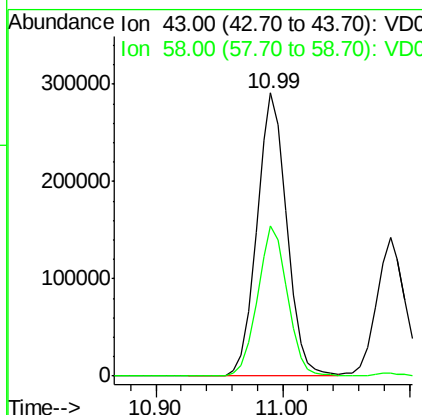
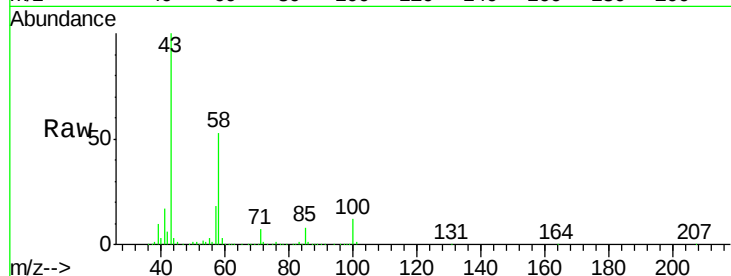
#59
2-Hexanone
Concen: 286.576 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 476788
Ion Ratio Lower Upper
43 100
58 53.3 26.2 78.6

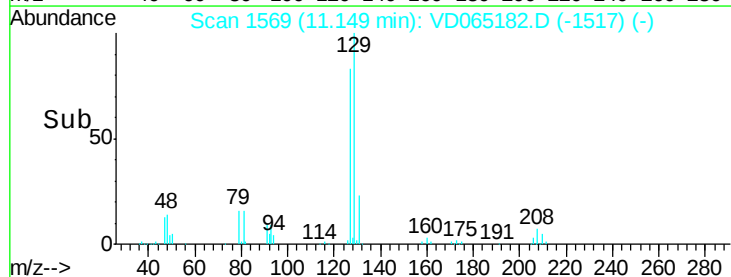
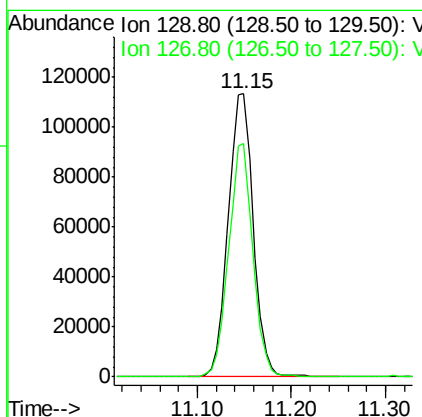
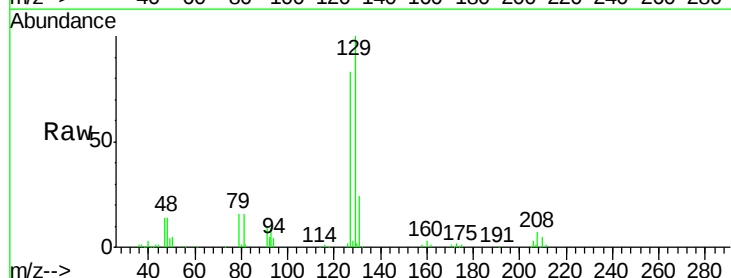
Manual Integrations
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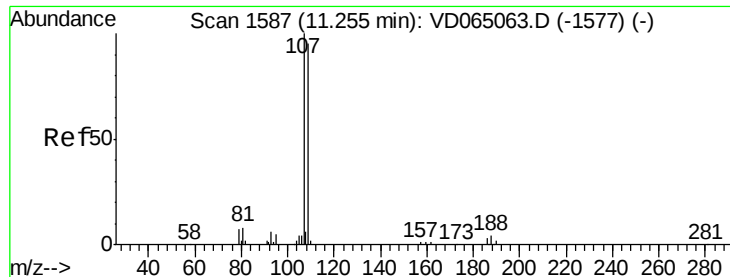
MMDadoda
2/14/2020 4:17:59 PM



#60
Dibromochloromethane
Concen: 55.741 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion: 129 Resp: 210384
Ion Ratio Lower Upper
129 100
127 79.6 38.3 114.9





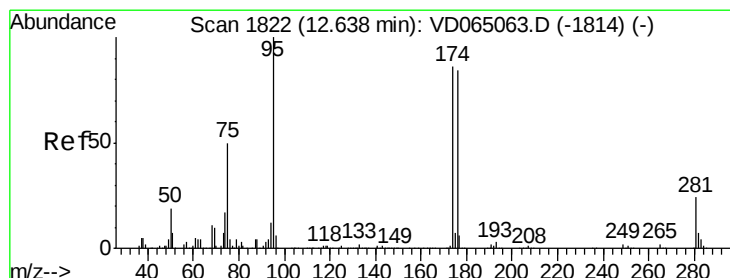
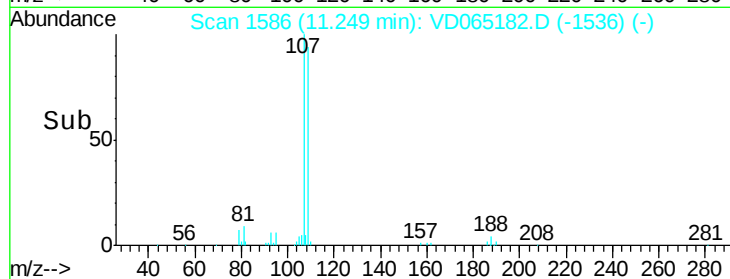
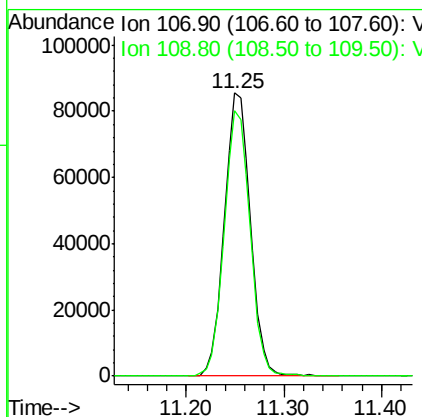
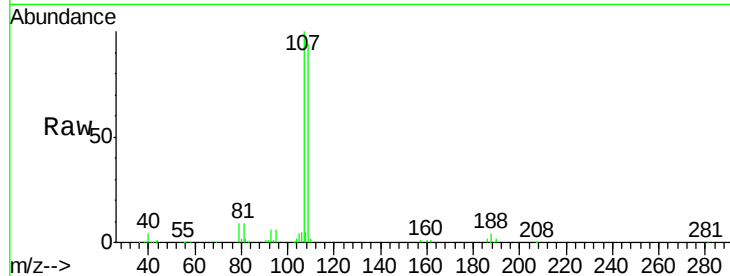
#61
 1,2-Dibromoethane
 Concen: 55.500 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	158023		
109	93.1	75.5	113.3	

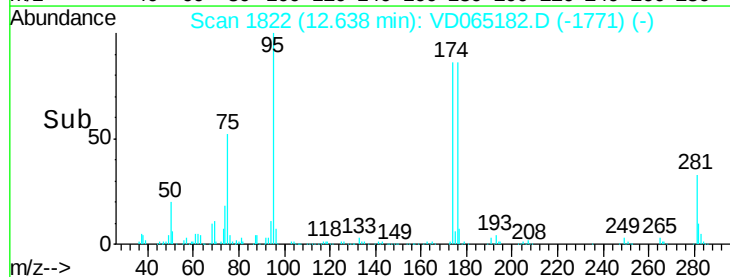
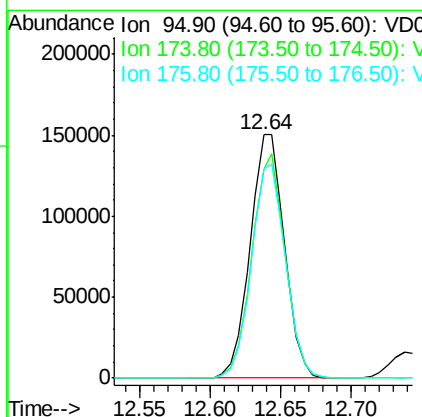
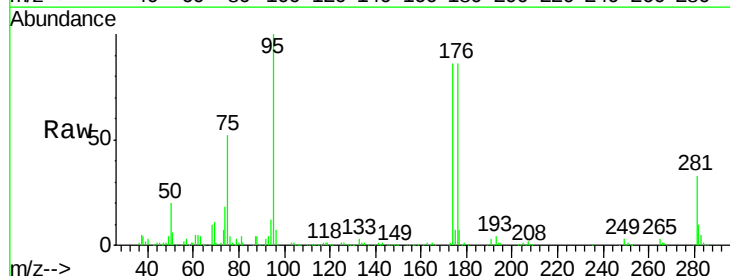
Manual Integrations
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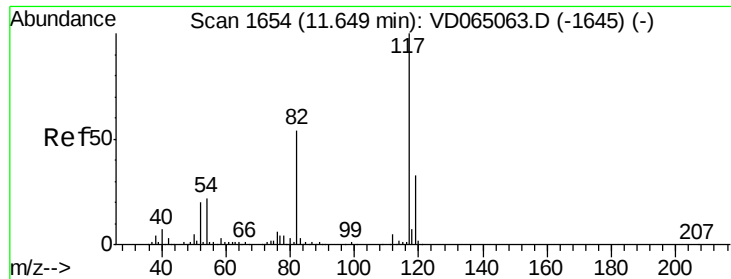
MMDadoda
 2/14/2020 4:17:59 PM



#62
 4-Bromofluorobenzene
 Concen: 55.653 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	257170		
174	89.2	0.0	180.0	
176	87.1	0.0	173.2	





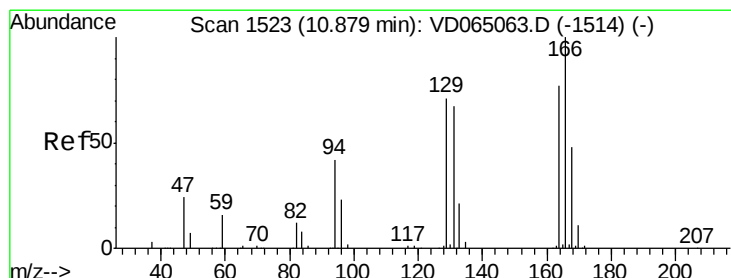
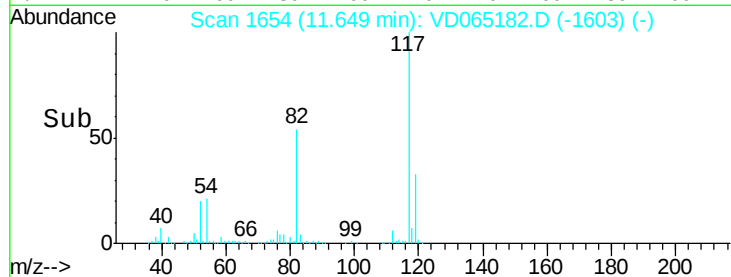
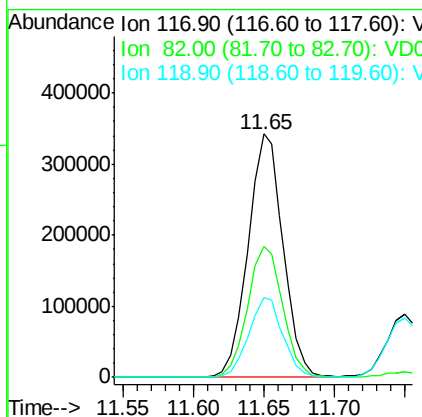
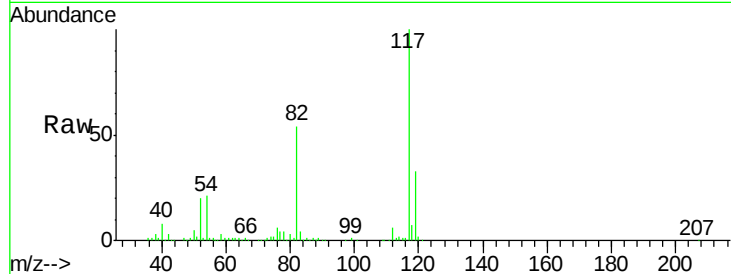
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	595791		
82	53.7		43.1	64.7
119	32.8		26.0	39.0

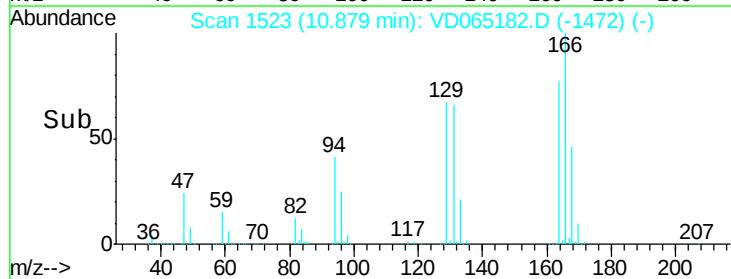
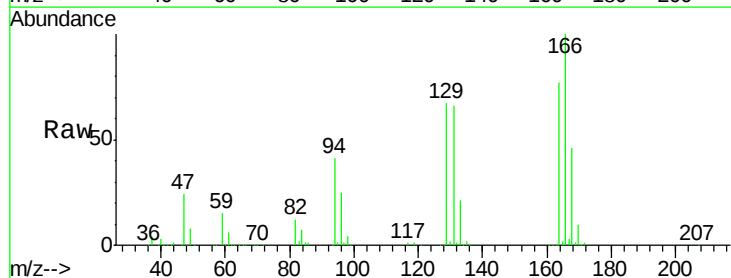
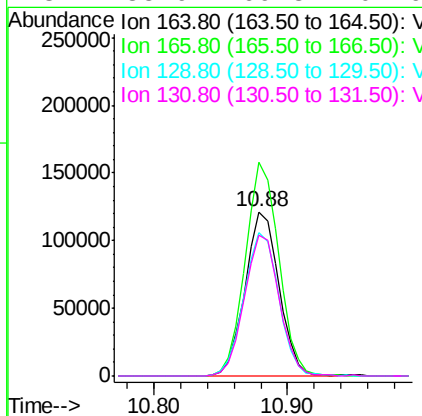
Manual Integrations
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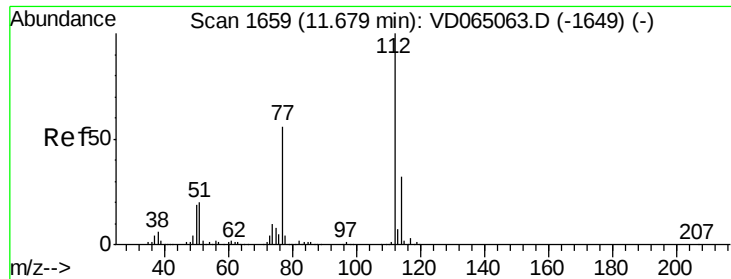
MMDadoda
2/14/2020 4:17:59 PM



#64
Tetrachloroethene
Concen: 49.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	213630		
166	129.9		103.5	155.3
129	87.4		73.3	109.9
131	85.9		69.8	104.6





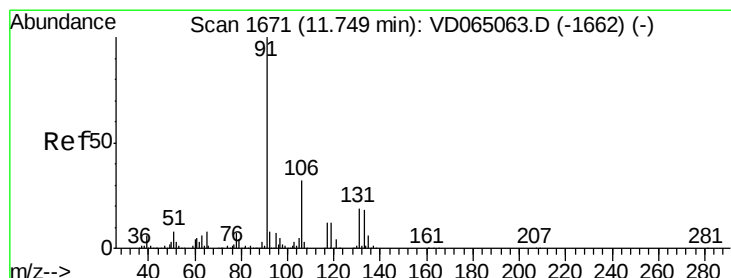
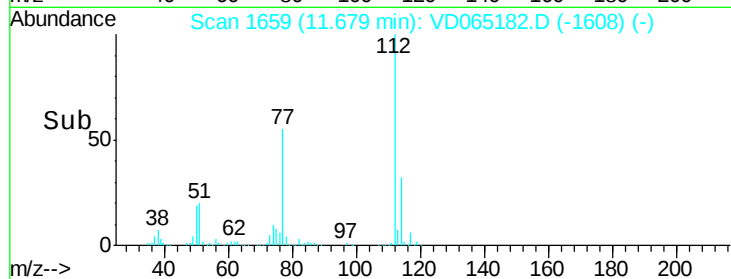
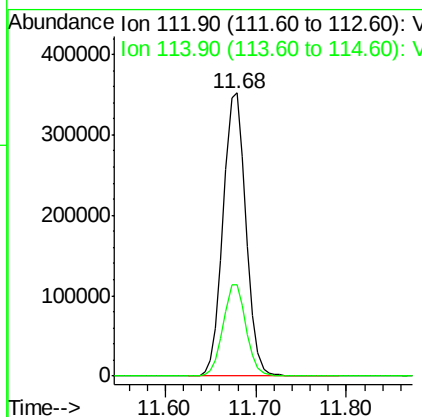
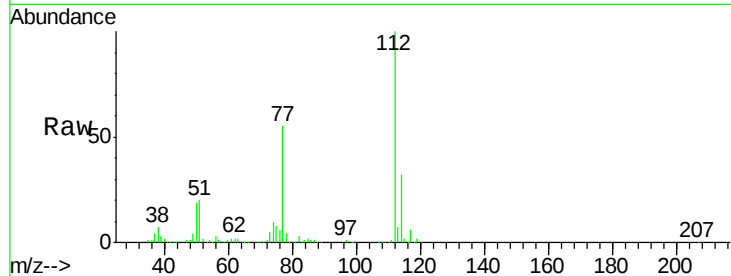
#65
Chlorobenzene
Concen: 53.430 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

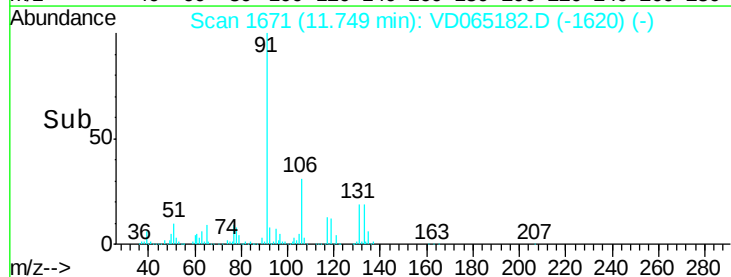
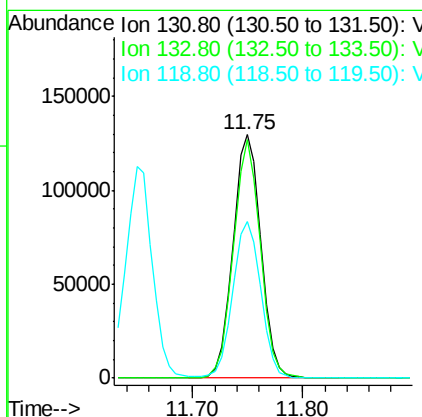
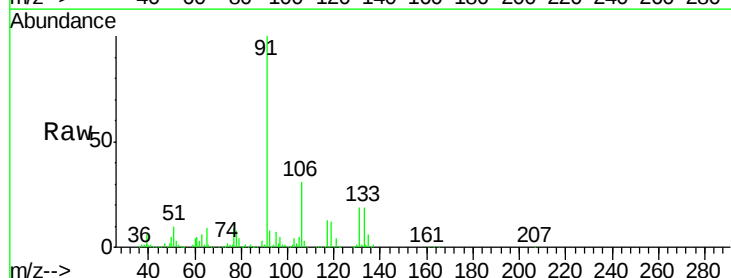
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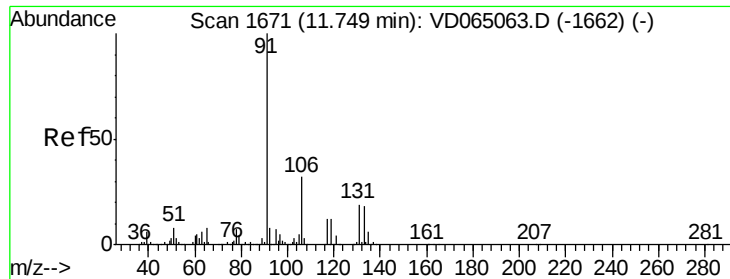
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.185 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.7	143.1
119	64.8	31.3	93.8





#67

Ethyl Benzene

Concen: 53.159 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1112932

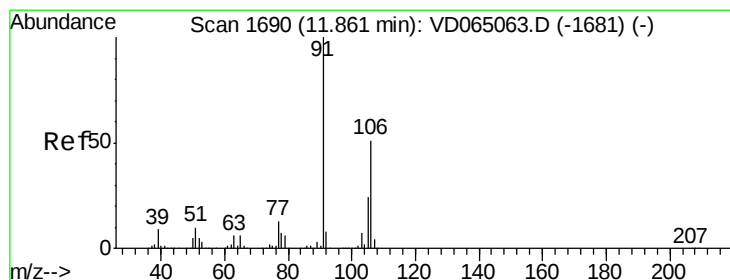
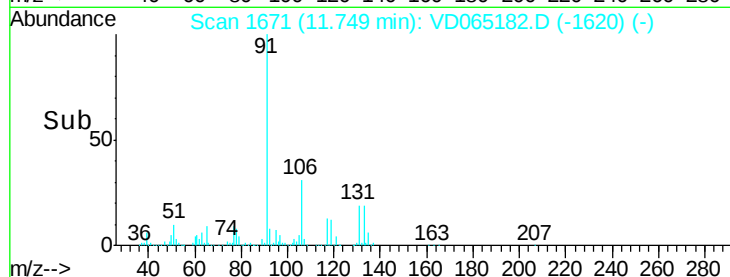
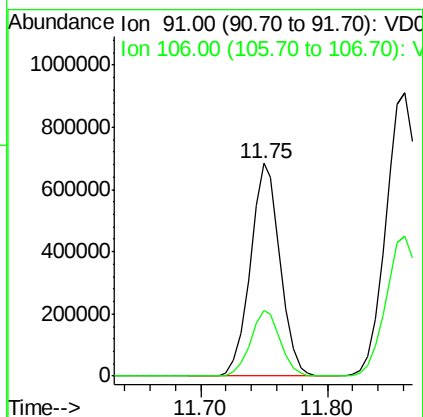
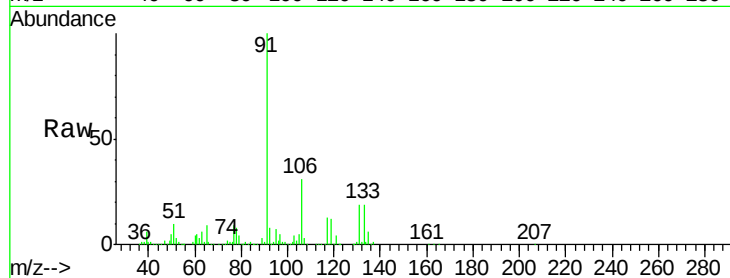
Ion Ratio Lower Upper

91 100

106 31.1 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 106.783 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065182.D

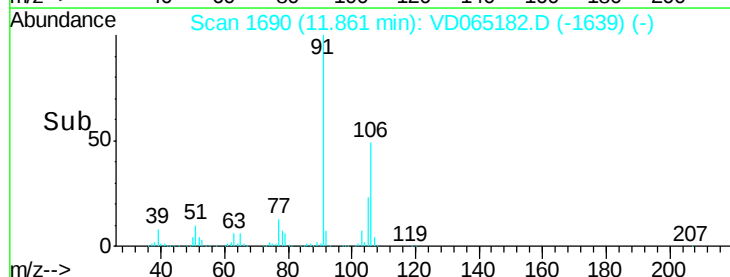
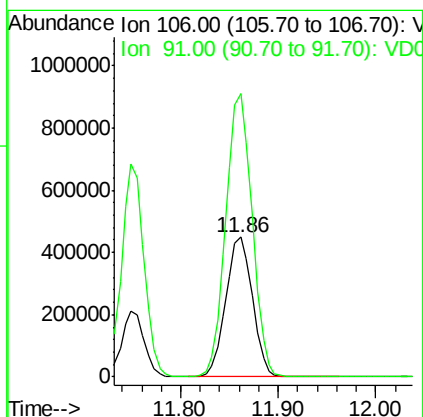
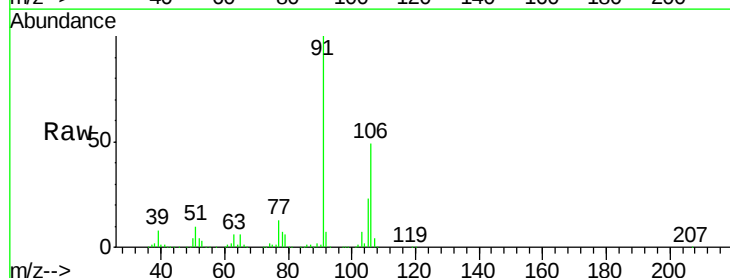
Acq: 13 Feb 2020 17:42

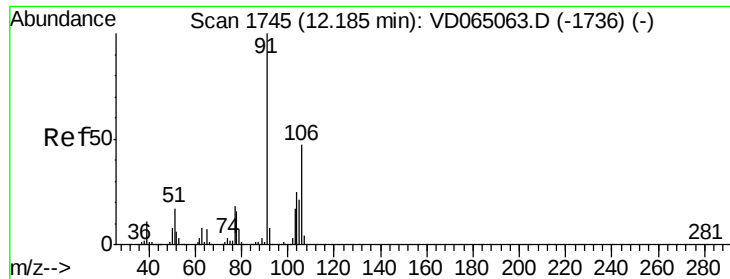
Tgt Ion: 106 Resp: 853275

Ion Ratio Lower Upper

106 100

91 200.7 158.9 238.3





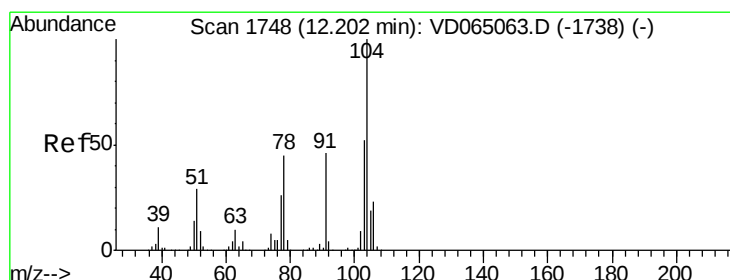
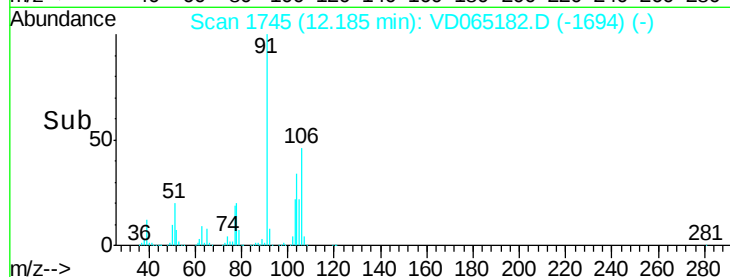
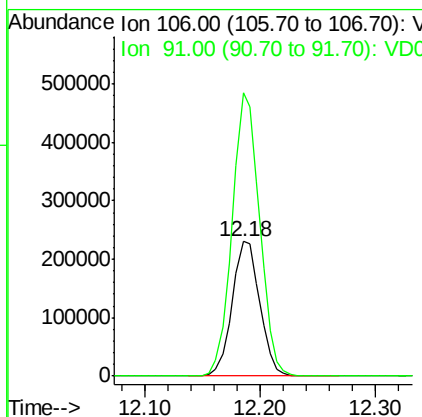
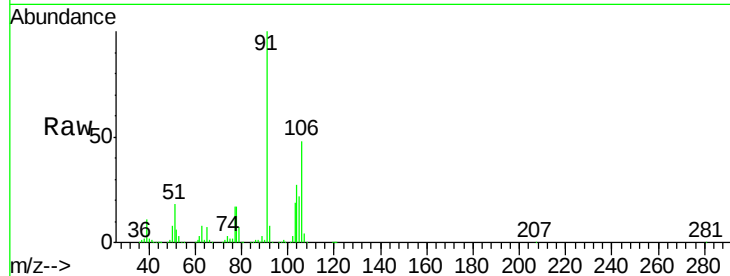
#69
o-Xylene
Concen: 53.035 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	104.7	313.9

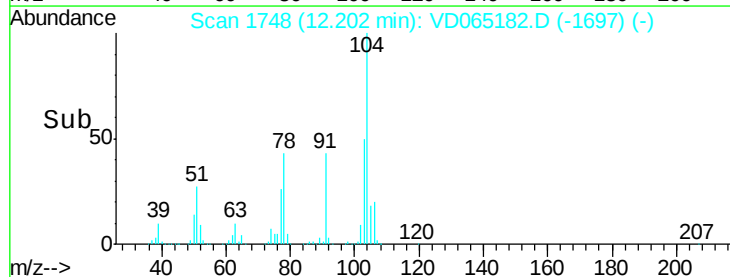
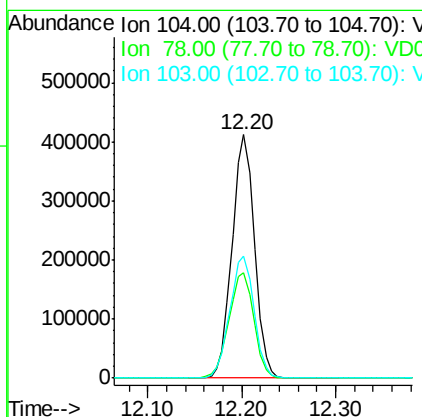
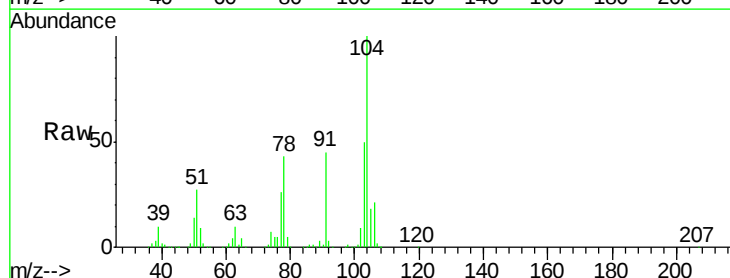
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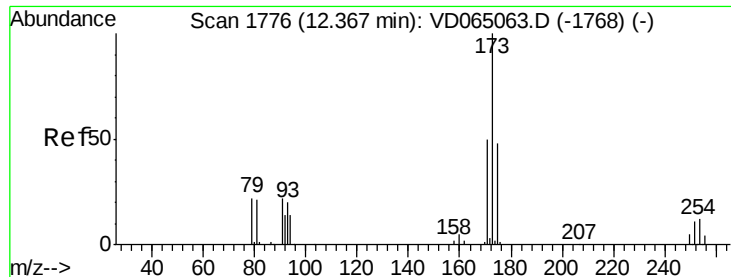
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#70
Styrene
Concen: 54.642 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	54.5	43.8	65.8





#71

Bromoform

Concen: 55.462 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

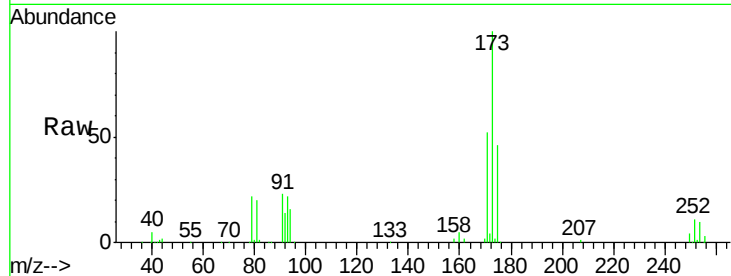
ClientSampleId :

VSTDCCC050EC

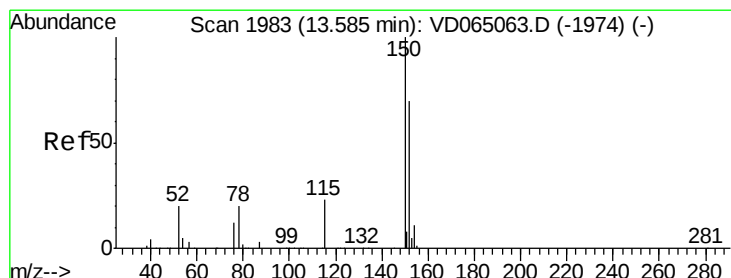
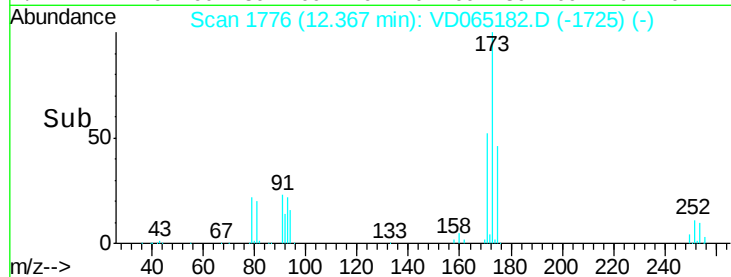
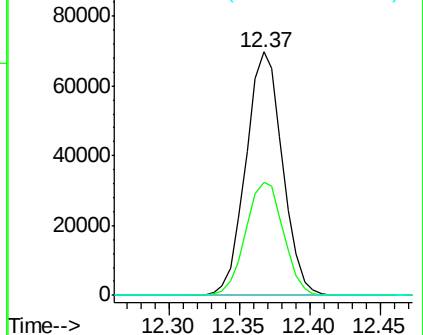
Tot Ion:	173	Resp:	126964
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.3	72.8
254	0.1	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

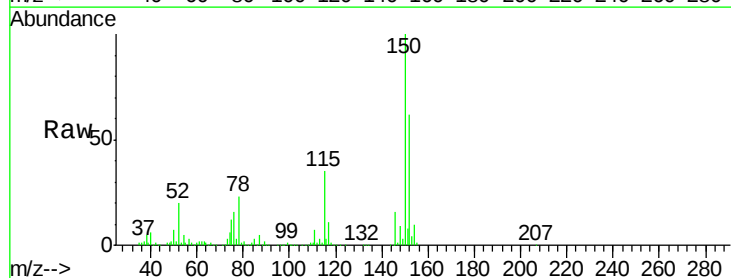
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

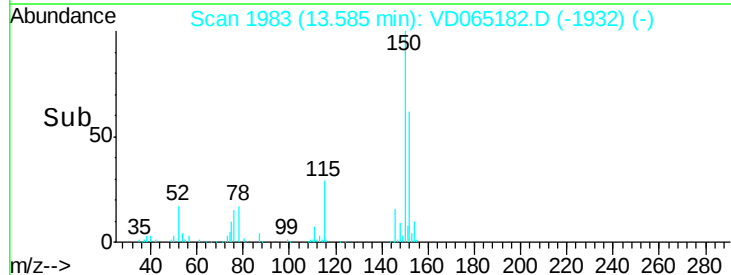
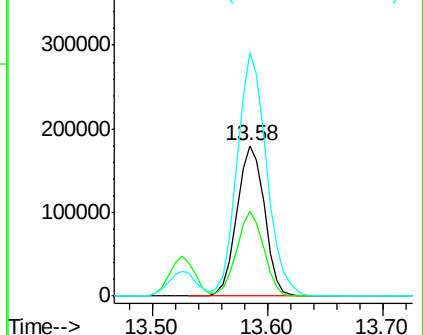
Lab File: VD065182.D

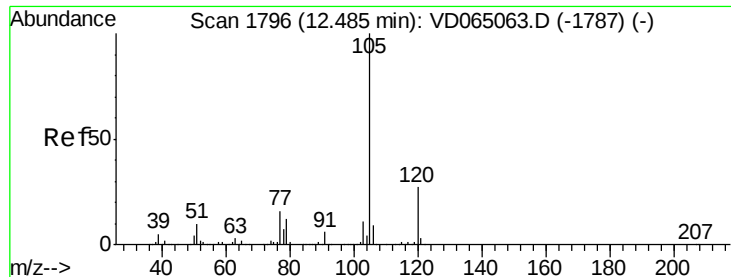
Acq: 13 Feb 2020 17:42

Tgt Ion:	152	Resp:	297070
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.5	82.4
150	173.2	0.0	343.2



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





#73

Isopropylbenzene

Concen: 51.189 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1043735

Ion Ratio Lower Upper

105 100

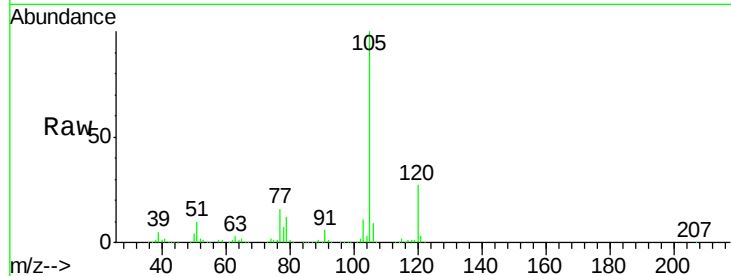
120 26.5 13.3 39.9

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

12.48

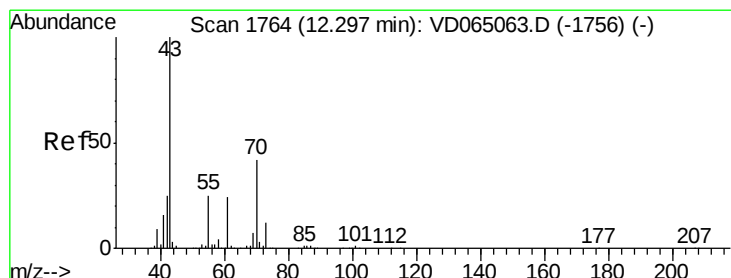
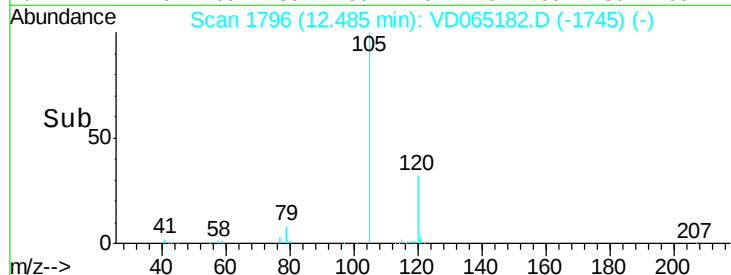
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.722 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion: 43 Resp: 233656

Ion Ratio Lower Upper

43 100

70 42.9 33.5 50.3

55 25.8 19.4 29.2

61 23.5 18.6 28.0

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

200000

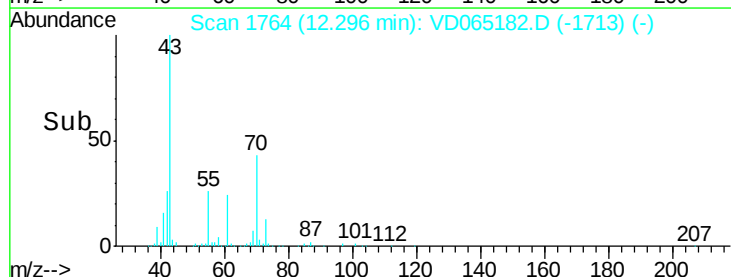
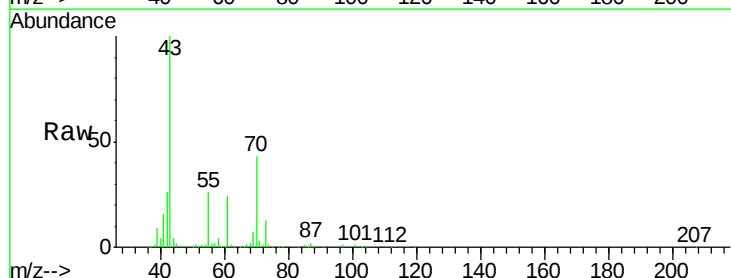
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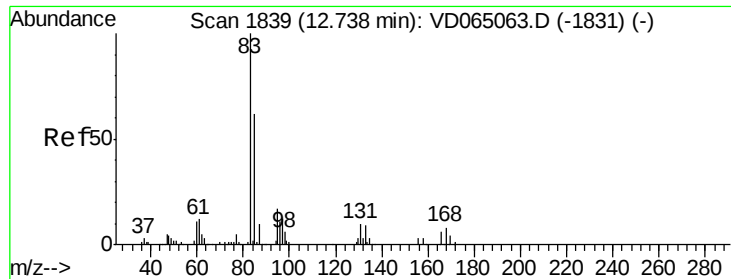
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.790 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

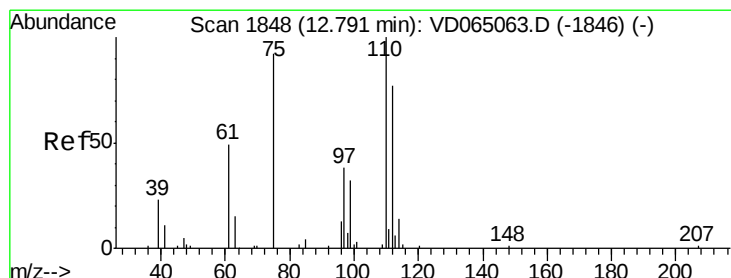
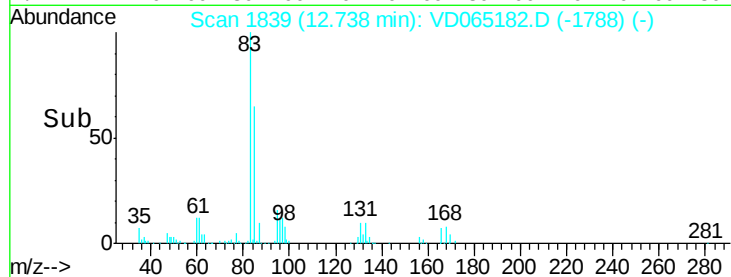
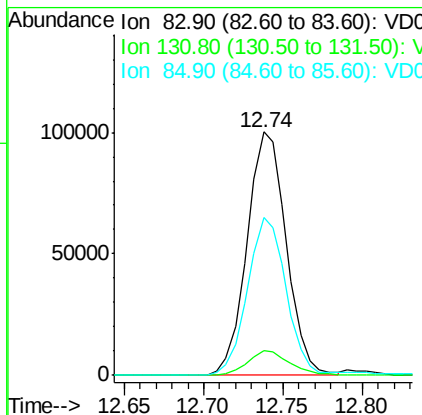
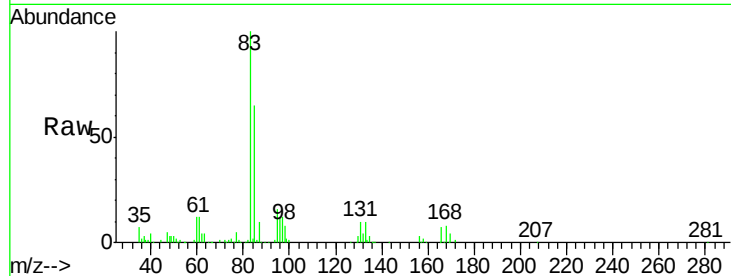
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172614
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.823 ug/l m

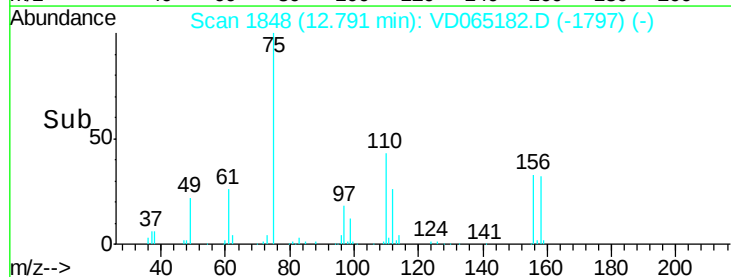
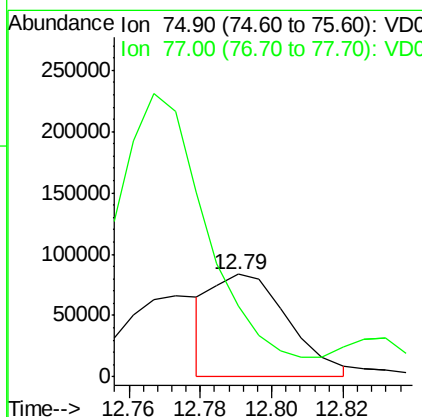
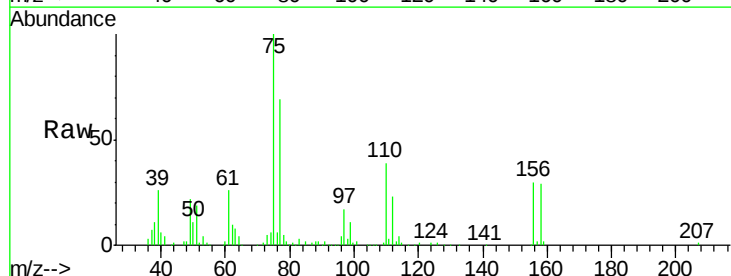
RT: 12.79 min Scan# 1848

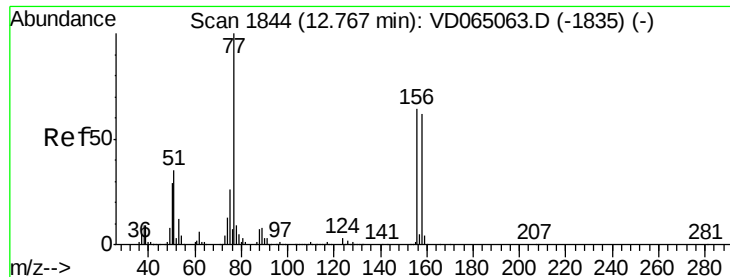
Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Tgt Ion:	75	Resp:	123305
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.614 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 248644

Ion Ratio Lower Upper

156 100

77 172.6 85.6 256.8

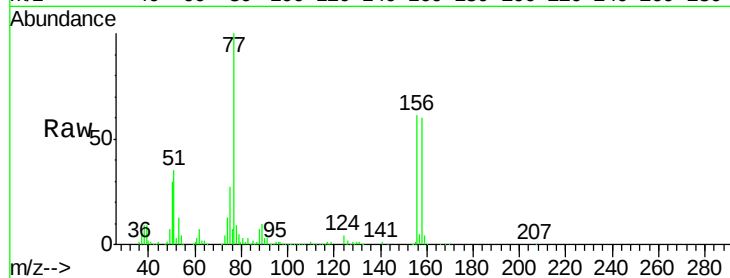
158 97.3 47.4 142.2

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

300000

250000

200000

150000

100000

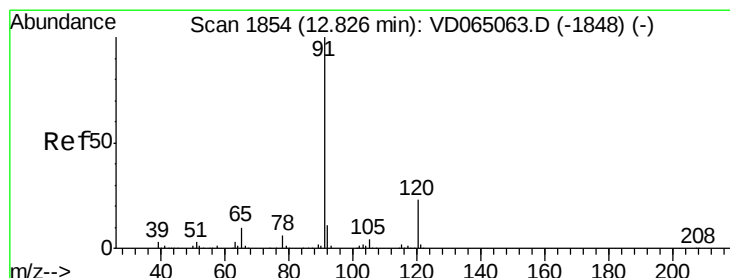
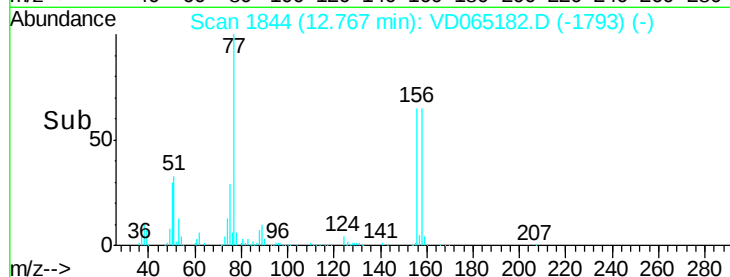
50000

0

12.70

12.80

Time-->



#78

n-propylbenzene

Concen: 51.956 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065182.D

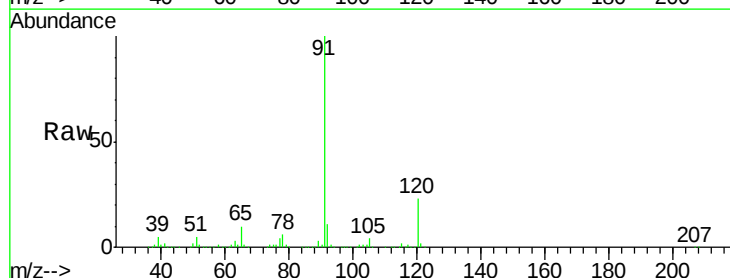
Acq: 13 Feb 2020 17:42

Tgt Ion: 91 Resp: 1240613

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

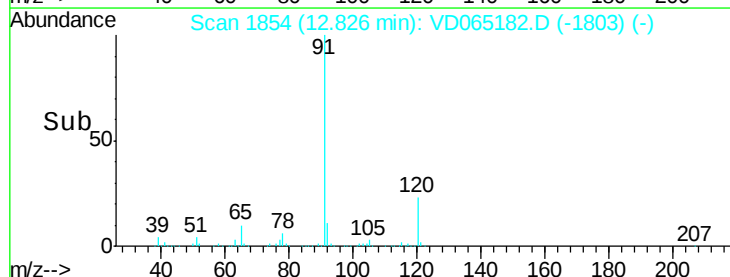
0

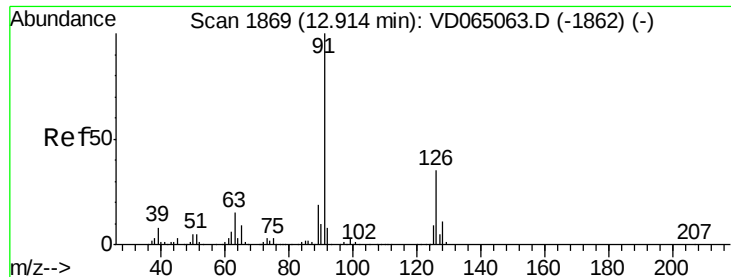
12.75

12.80

12.85

Time-->





#79

2-Chlorotoluene

Concen: 51.594 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 686711

Ion Ratio Lower Upper

91 100

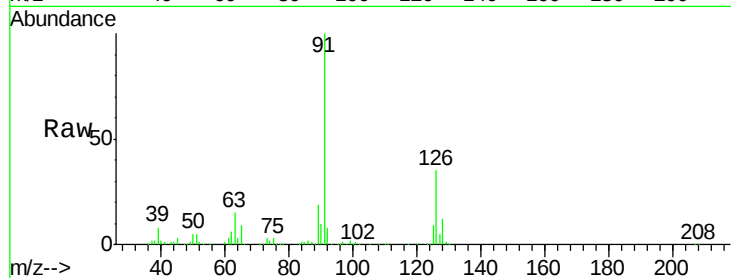
126 34.6 17.4 52.3

Manual Integrations

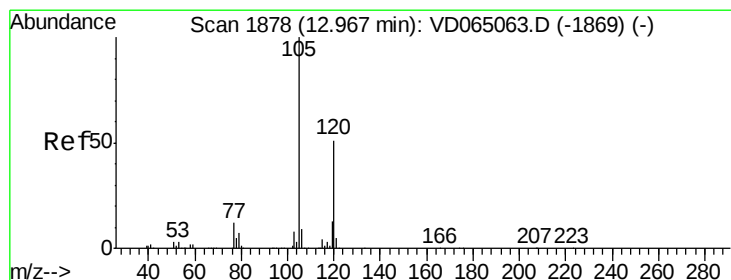
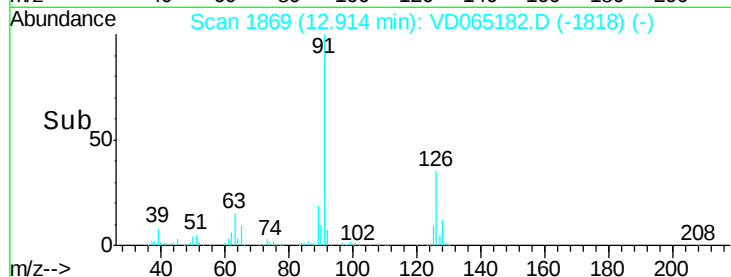
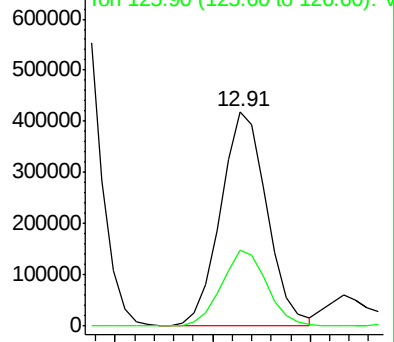
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Abundance Ion 91.00 (90.70 to 91.70): VD065182.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.305 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065182.D

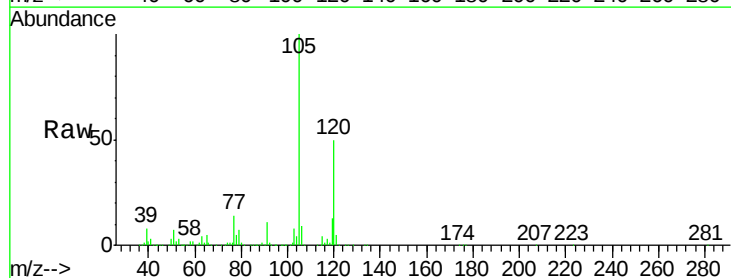
Acq: 13 Feb 2020 17:42

Tgt Ion: 105 Resp: 855814

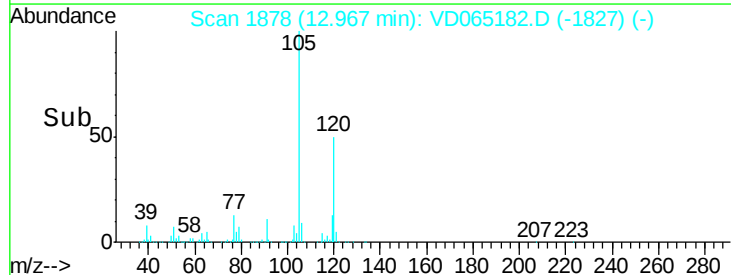
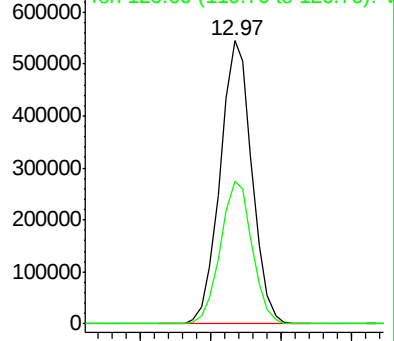
Ion Ratio Lower Upper

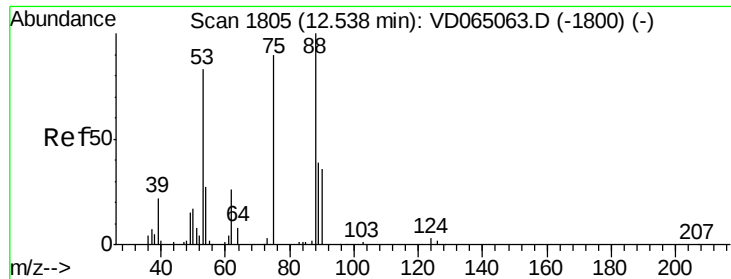
105 100

120 50.6 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065182.D (-1827) (-)





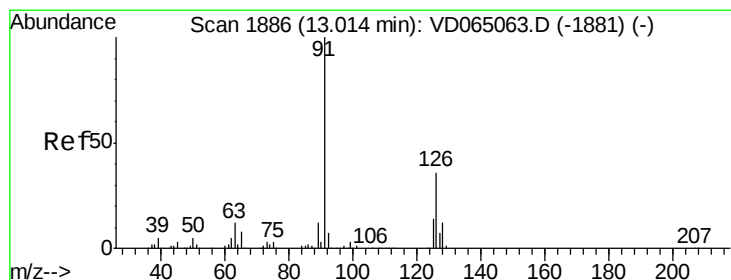
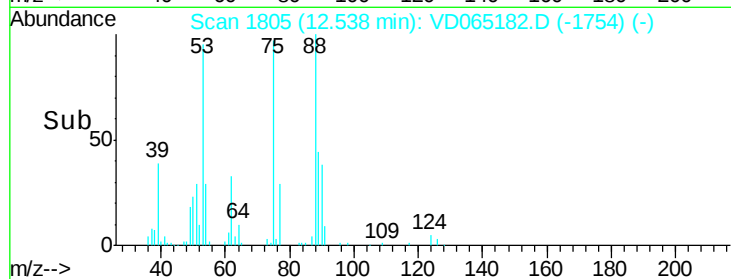
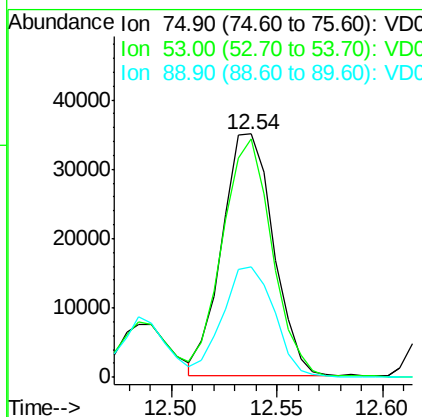
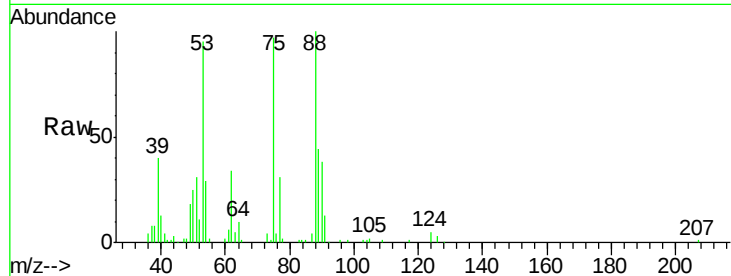
#81
trans-1,4-Dichloro-2-butene
Concen: 52.446 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	46.4	37.0	55.4

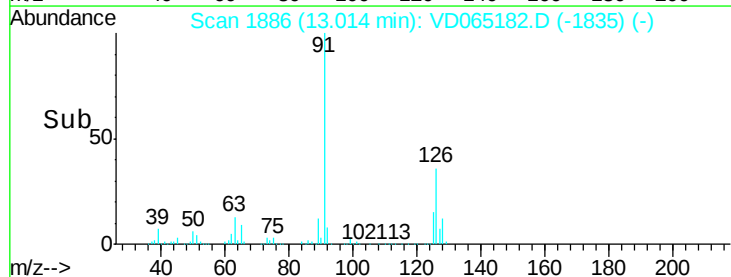
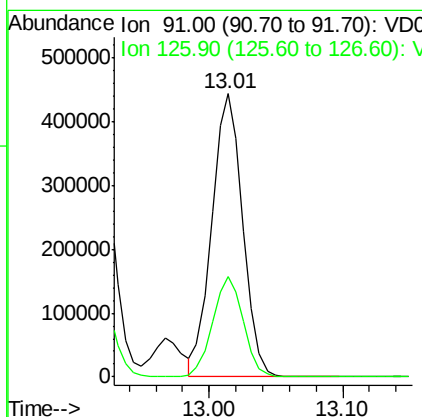
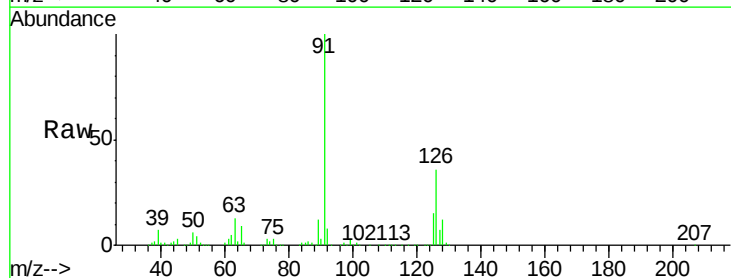
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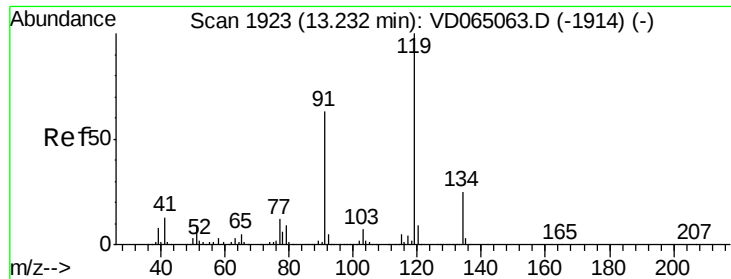
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.398 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





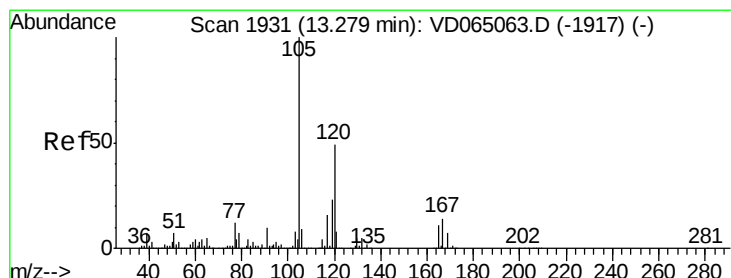
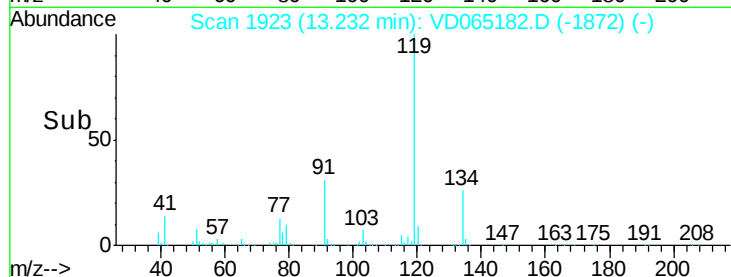
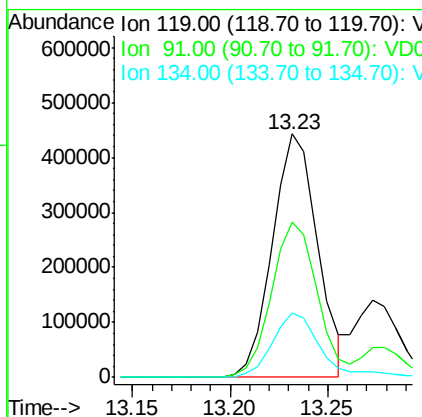
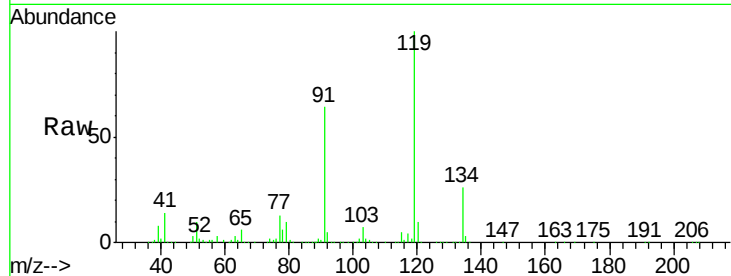
#83
tert-Butylbenzene
Concen: 49.228 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.3	96.9
134	28.2	13.8	41.3

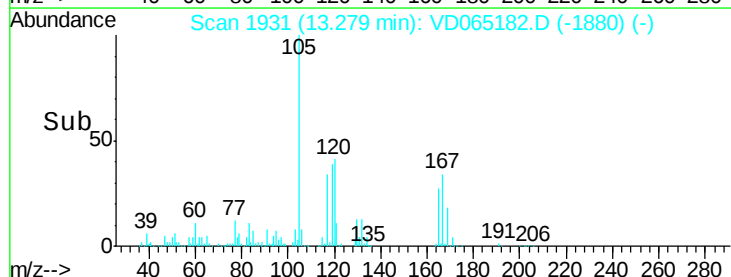
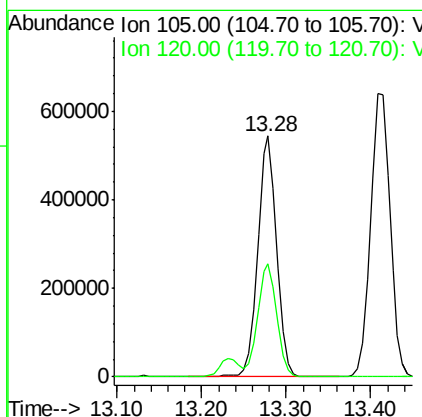
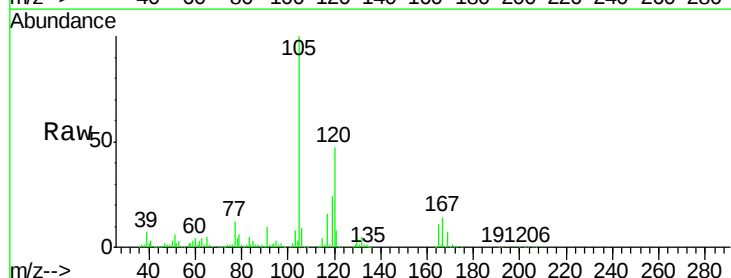
Manual Integrations
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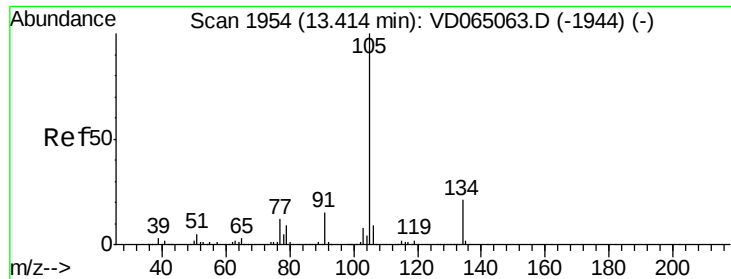
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#84
1,2,4-Trimethylbenzene
Concen: 51.747 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.5





#85

sec-Butylbenzene

Concen: 51.689 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1015977

Ion Ratio Lower Upper

105 100

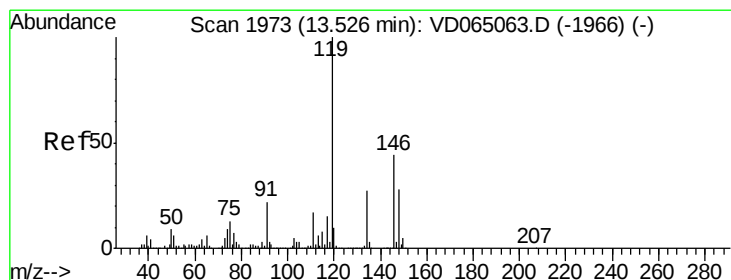
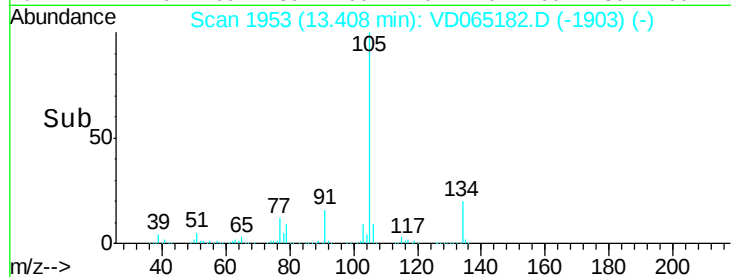
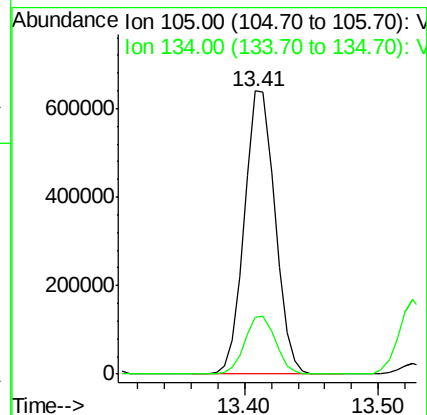
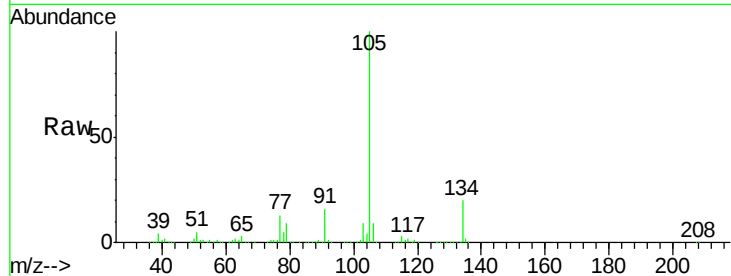
134 20.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.184 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065182.D

Acq: 13 Feb 2020 17:42

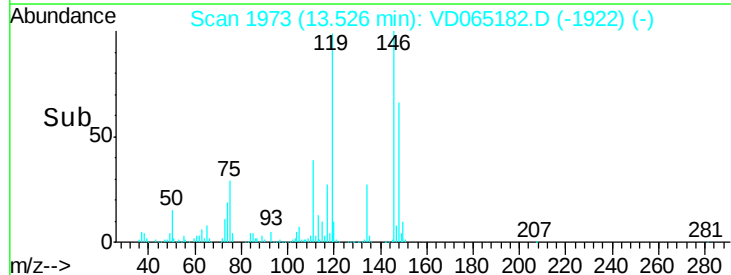
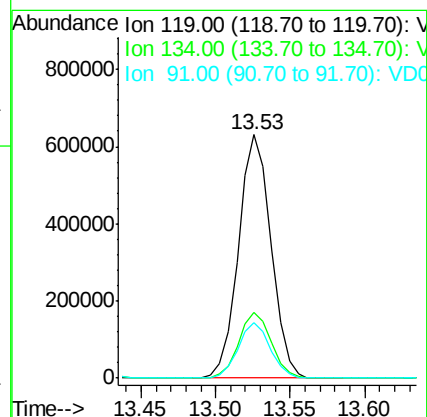
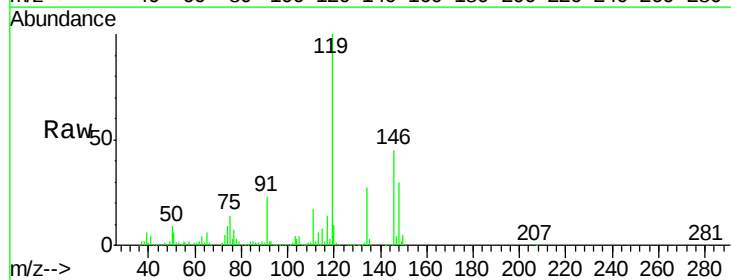
Tgt Ion:119 Resp: 953006

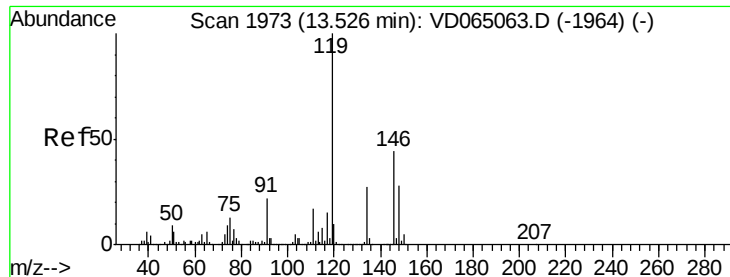
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.3 11.3 33.9





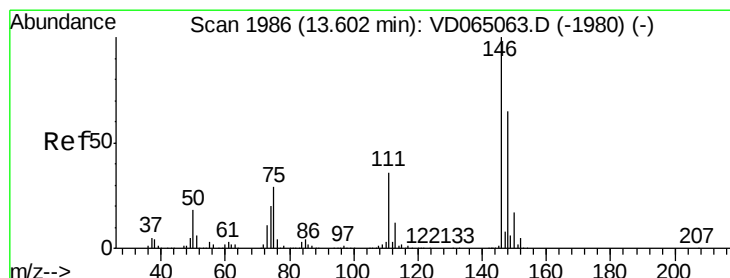
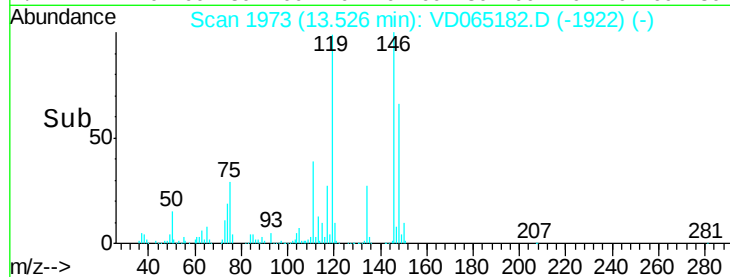
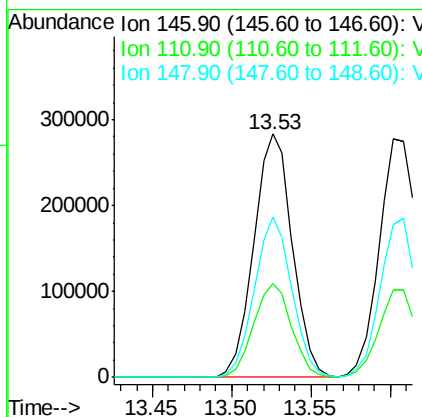
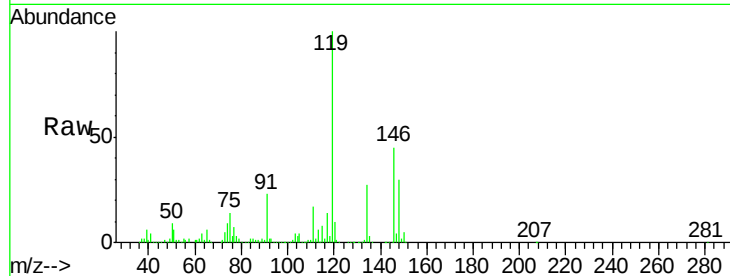
#87
 1,3-Dichlorobenzene
 Concen: 51.941 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	64.0	32.3	96.8

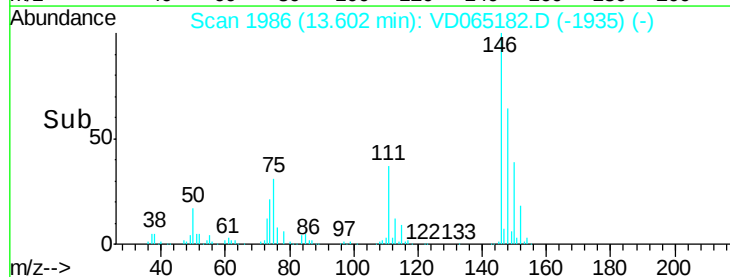
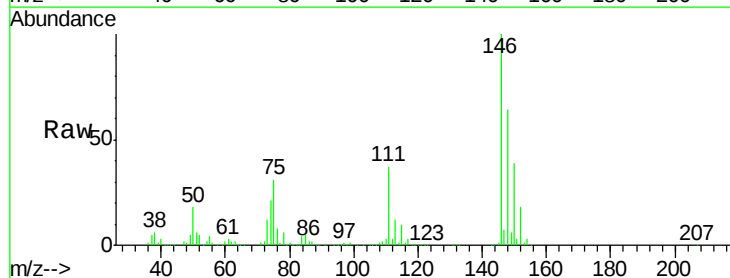
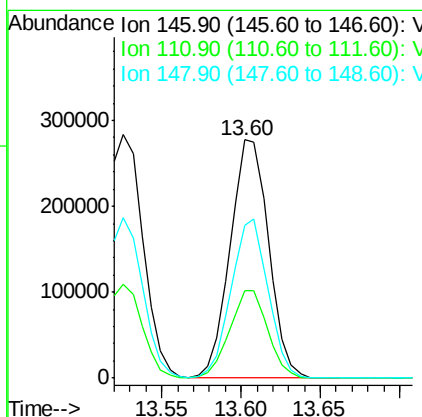
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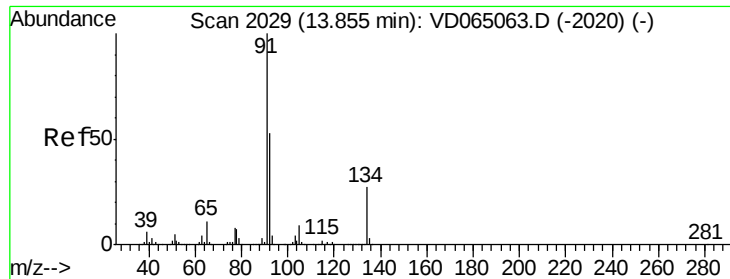
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#88
 1,4-Dichlorobenzene
 Concen: 50.993 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	64.2	32.7	98.1





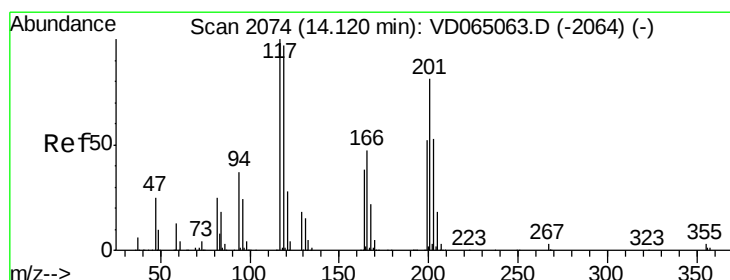
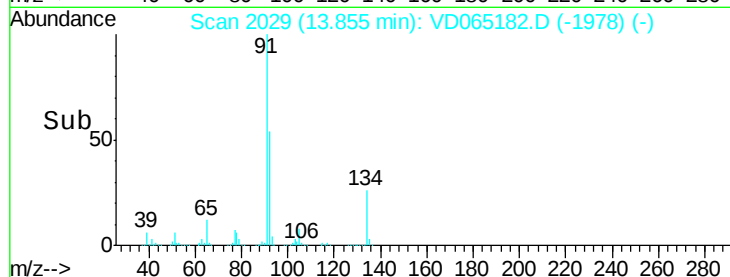
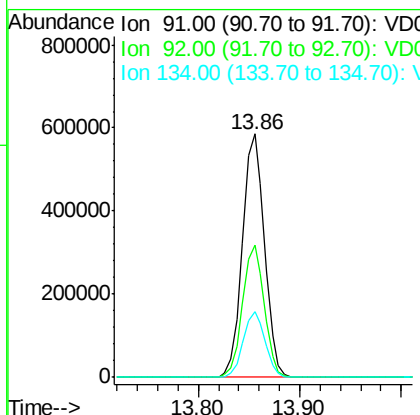
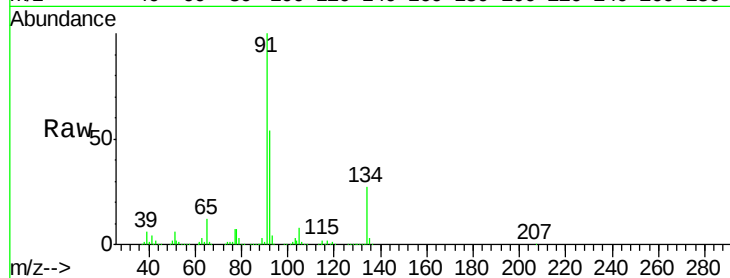
#89
n-Butylbenzene
Concen: 52.147 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.1
134	26.5	13.4	40.2

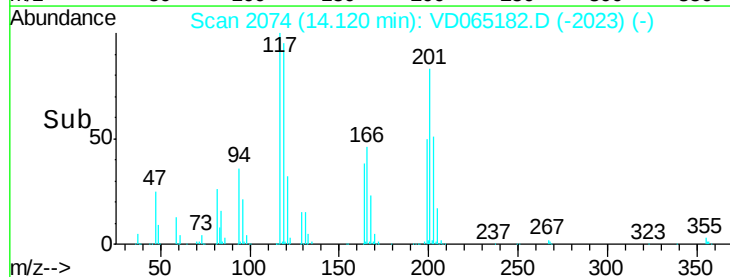
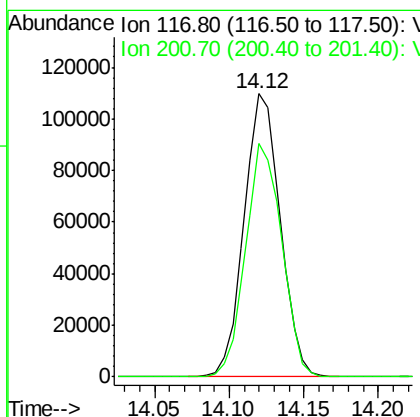
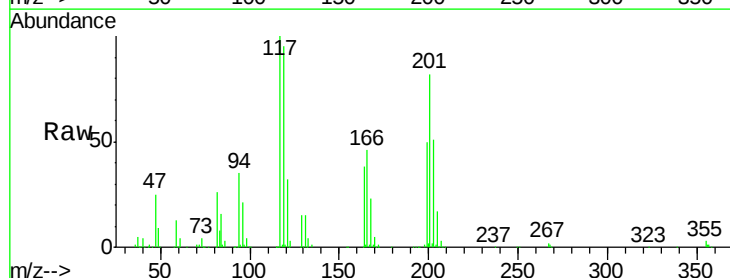
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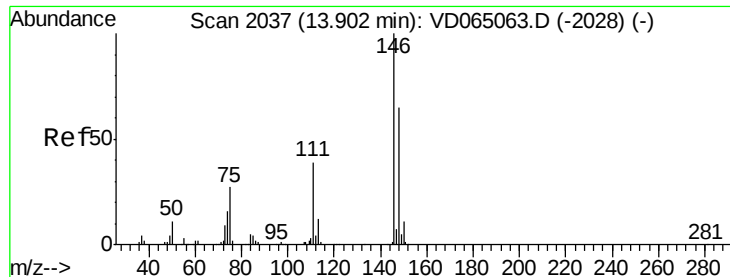
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#90
Hexachloroethane
Concen: 53.158 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	42.5	127.6





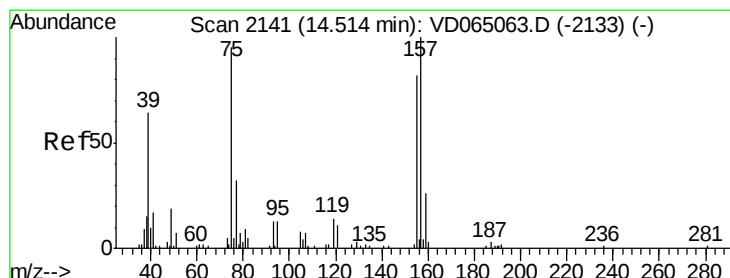
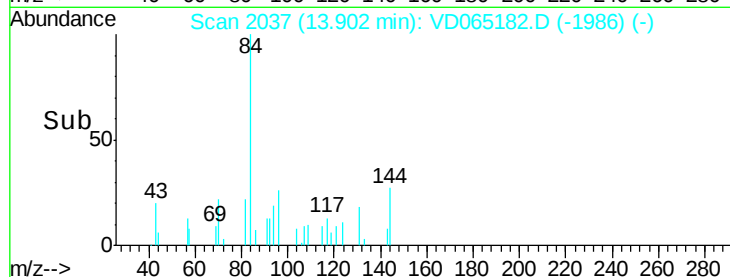
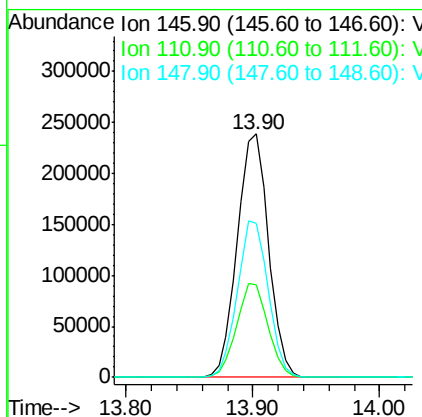
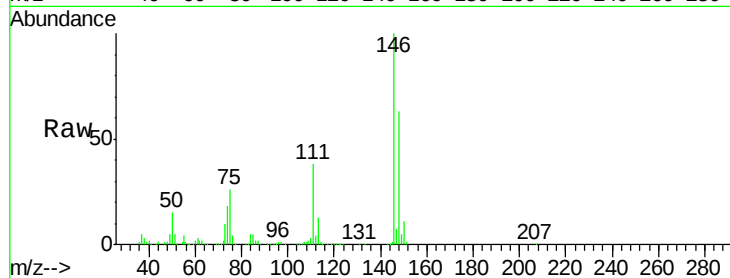
#91
 1,2-Dichlorobenzene
 Concen: 51.976 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.2	31.9	95.5

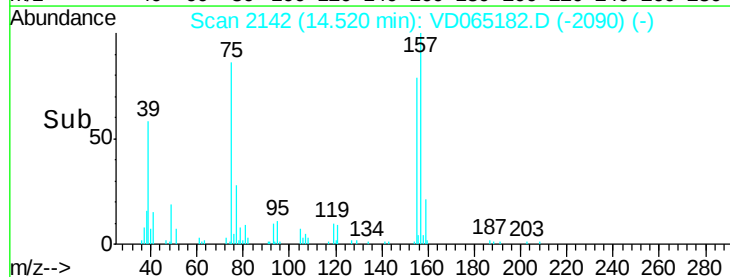
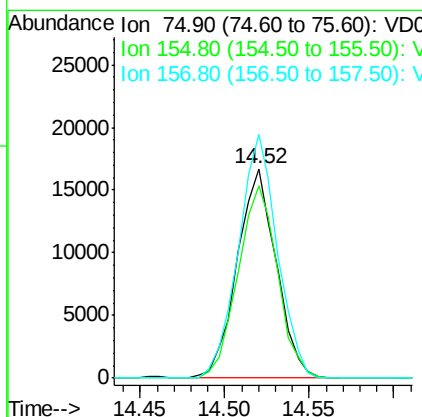
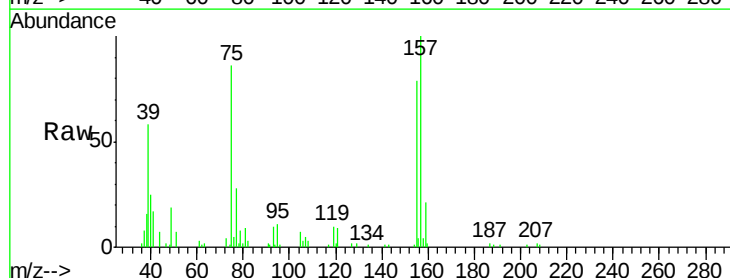
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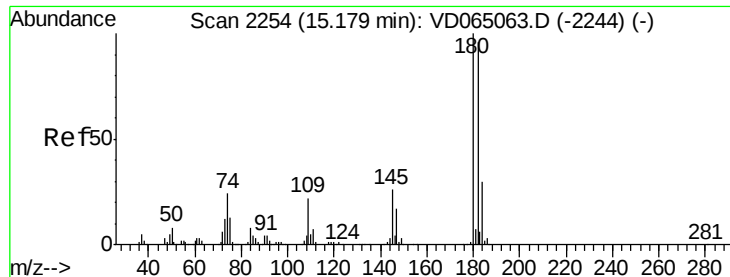
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.370 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	43.4	130.1
157	115.5	55.8	167.3





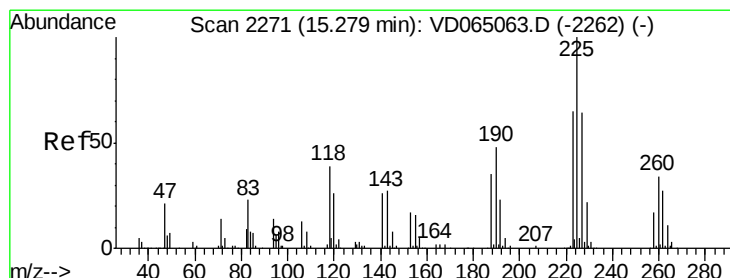
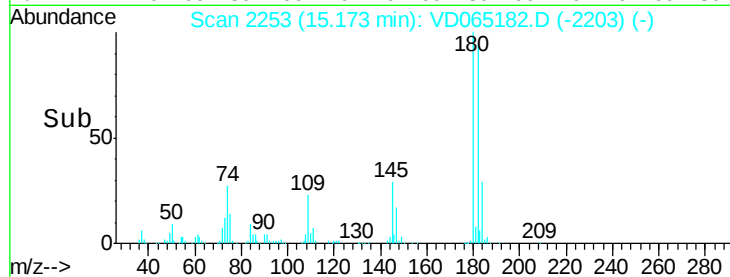
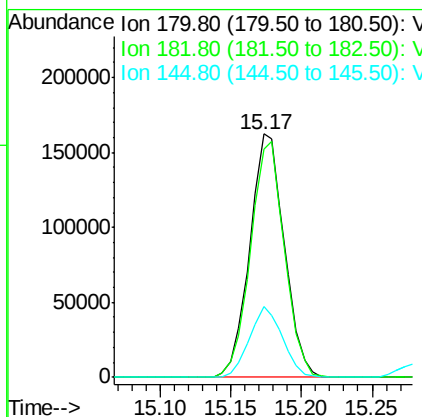
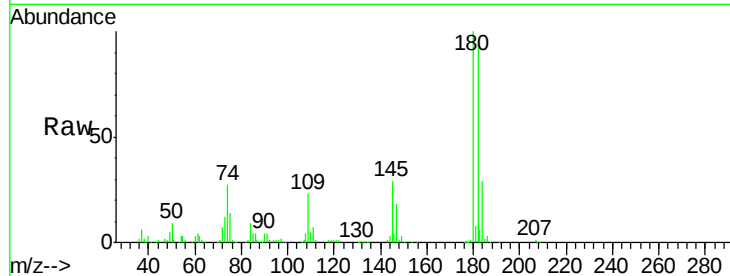
#93
 1,2,4-Trichlorobenzene
 Concen: 49.497 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	278710
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.3
145	27.9	14.1	42.4

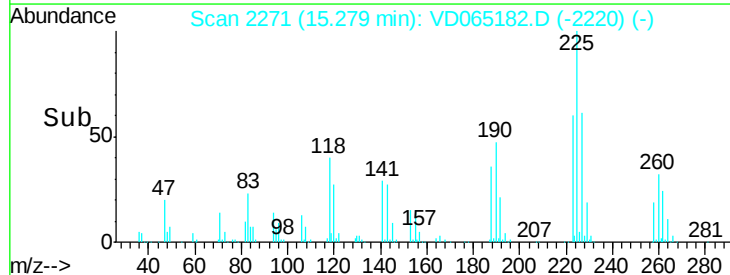
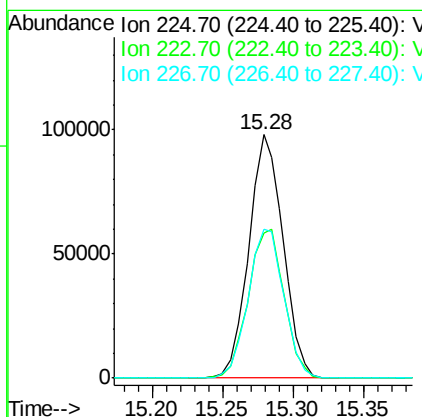
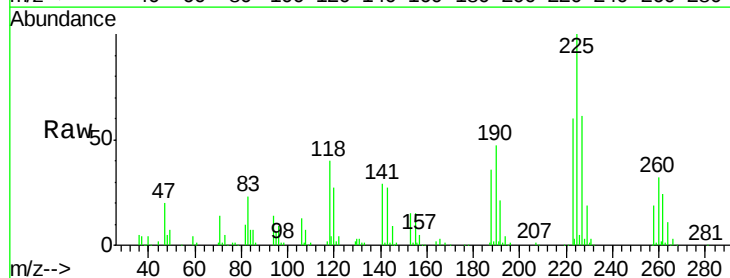
Manual Integrations
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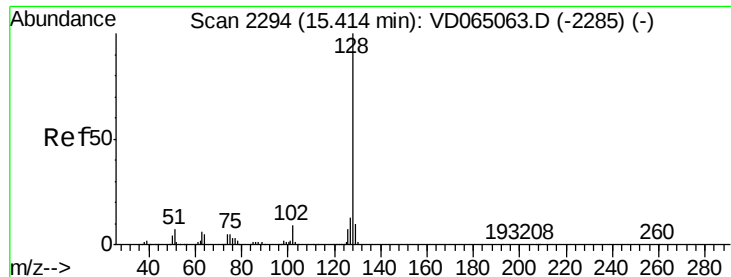
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#94
 Hexachlorobutadiene
 Concen: 48.380 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065182.D
 Acq: 13 Feb 2020 17:42

Tgt Ion:	225	Resp:	167505
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.4	94.0
227	63.6	31.8	95.3





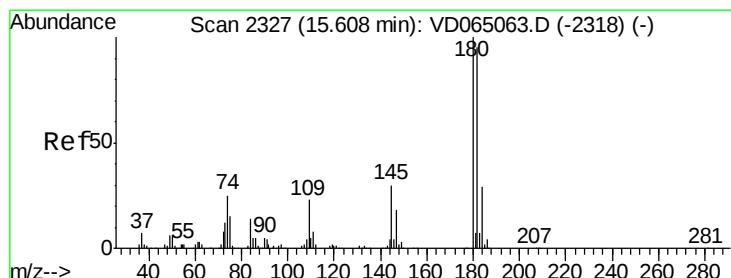
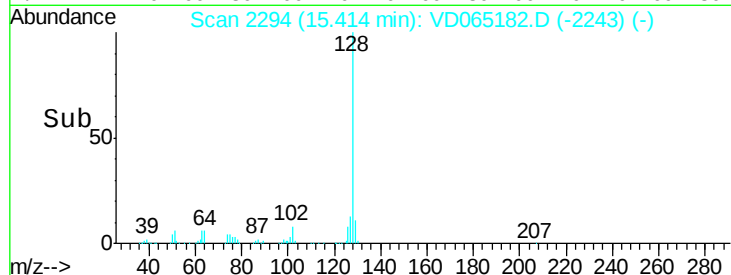
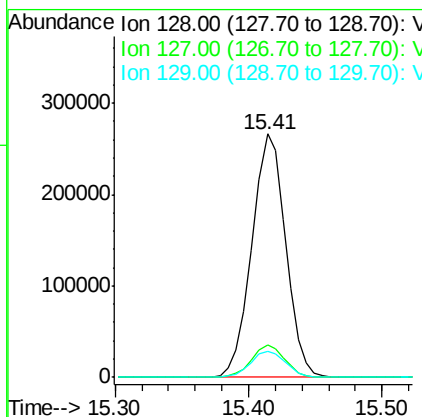
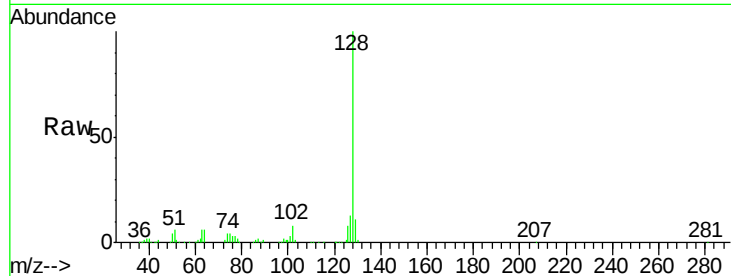
#95
Naphthalene
Concen: 49.853 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	466576		
127	13.3	10.6	15.8	
129	11.1	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.596 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065182.D
Acq: 13 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	238875		
182	94.2	47.1	141.4	
145	30.0	14.9	44.9	

