

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065444.D
 Acq On : 09 Mar 2020 12:27
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:27 PM

Quant Time: Mar 10 12:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	497118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213598	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	232669	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	911113	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	287553	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	96417	22.567	ug/l	98
3) Chloromethane	2.21	50	106964	20.737	ug/l	100
4) Vinyl Chloride	2.35	62	107564	21.142	ug/l	99
5) Bromomethane	2.77	94	69217	21.558	ug/l	100
6) Chloroethane	2.93	64	65605	21.054	ug/l	94
7) Trichlorofluoromethane	3.27	101	158941	21.202	ug/l	97
8) Diethyl Ether	3.70	74	44719	20.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103126	21.359	ug/l	99
10) Methyl Iodide	4.30	142	102386	20.412	ug/l	98
11) Tert butyl alcohol	5.26	59	25268	103.305	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	95068	20.563	ug/l	98
13) Acrolein	3.92	56	35202	83.449	ug/l	97
14) Allyl chloride	4.71	41	141231	19.886	ug/l	99
15) Acrylonitrile	5.43	53	91396	94.236	ug/l	99
16) Acetone	4.17	43	79253	91.897	ug/l	98
17) Carbon Disulfide	4.40	76	318332	20.676	ug/l	100
18) Methyl Acetate	4.73	43	41537	18.987	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	173474	19.512	ug/l	95
20) Methylene Chloride	4.97	84	108802	21.244	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106964	20.798	ug/l	98
22) Diisopropyl ether	6.37	45	277855	21.046	ug/l	97
23) Vinyl Acetate	6.31	43	714815	97.510	ug/l	100
24) 1,1-Dichloroethane	6.27	63	174346	20.588	ug/l	95
25) 2-Butanone	7.22	43	104476	88.773	ug/l	96
26) 2,2-Dichloropropane	7.21	77	154330	20.855	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108143	20.572	ug/l	99
28) Bromochloromethane	7.55	49	67233	19.844	ug/l	98
29) Tetrahydrofuran	7.57	42	68863	91.625	ug/l	98
30) Chloroform	7.71	83	176905	20.900	ug/l	93
31) Cyclohexane	7.99	56	172641	20.388	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	163054	20.846	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142388	20.490	ug/l	99
37) Ethyl Acetate	7.30	43	53020	19.740	ug/l	97
38) Carbon Tetrachloride	8.10	117	152593	21.176	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172105	20.506	ug/l	97
40) Benzene	8.36	78	413528	21.283	ug/l	99
41) Methacrylonitrile	7.53	41	22981	16.178	ug/l	96
42) 1,2-Dichloroethane	8.43	62	103945	20.488	ug/l	100
43) Isopropyl Acetate	8.46	43	93295	18.812	ug/l	98
44) Trichloroethene	9.12	130	116527	21.237	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97462	20.708	ug/l	98
46) Dibromomethane	9.48	93	49706	20.361	ug/l	96
47) Bromodichloromethane	9.67	83	133850	21.075	ug/l #	94
48) Methyl methacrylate	9.46	41	44762	19.187	ug/l	97
49) 1,4-Dioxane	9.47	88	10113	362.154	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	241283	96.679	ug/l	100
52) Toluene	10.41	92	261533	21.367	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120692	20.335	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	149585	20.822	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	69967	20.235	ug/l	99
56) Ethyl methacrylate	10.67	69	74289	19.058	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121058	20.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131753	109.384	ug/l	100
59) 2-Hexanone	10.99	43	155715	90.132	ug/l	100
60) Dibromochloromethane	11.15	129	92335	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67214	20.380	ug/l	98
64) Tetrachloroethene	10.88	164	101257	21.656	ug/l	97
65) Chlorobenzene	11.67	112	270830	20.974	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	102013	21.692	ug/l	98
67) Ethyl Benzene	11.75	91	470502	21.088	ug/l	98
68) m/p-Xylenes	11.86	106	375385	43.634	ug/l	100
69) o-Xylene	12.18	106	160184	21.167	ug/l	100
70) Styrene	12.20	104	286228	21.491	ug/l	99
71) Bromoform	12.37	173	55080	20.851	ug/l #	98
73) Isopropylbenzene	12.48	105	443434	20.446	ug/l	100
74) N-amyl acetate	12.30	43	81700	18.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73330	19.235	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	47587m	18.290	ug/l	
77) Bromobenzene	12.77	156	111403	20.675	ug/l	98
78) n-propylbenzene	12.83	91	546939	21.255	ug/l	100
79) 2-Chlorotoluene	12.91	91	303385	20.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	374965	21.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22725	18.432	ug/l	99
82) 4-Chlorotoluene	13.01	91	319987	20.997	ug/l	99
83) tert-Butylbenzene	13.23	119	309080	20.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	370872	21.102	ug/l	100
85) sec-Butylbenzene	13.41	105	451876	20.987	ug/l	100
86) p-Isopropyltoluene	13.53	119	417384	21.244	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215485	20.801	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213294	20.698	ug/l	100
89) n-Butylbenzene	13.86	91	377934	20.807	ug/l	99
90) Hexachloroethane	14.12	117	81261	20.084	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	183926	20.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11085	19.093	ug/l	93

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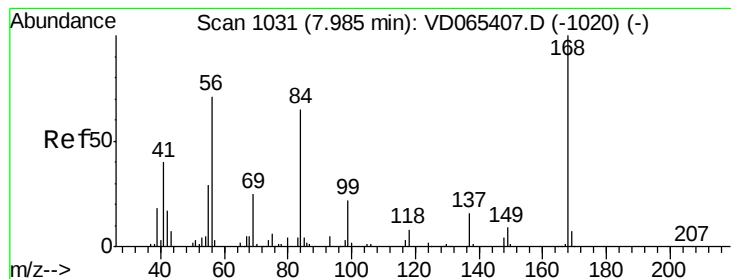
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122662	20.529	ug/l	98
94) Hexachlorobutadiene	15.28	225	81334	20.716	ug/l	99
95) Naphthalene	15.41	128	176611	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105717	20.475	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion:168 Resp: 497118

Ion Ratio Lower Upper

168 100

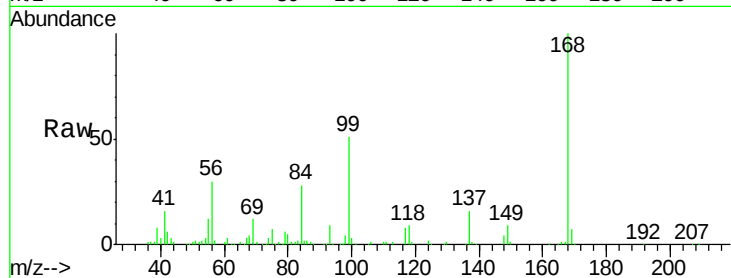
99 51.1 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

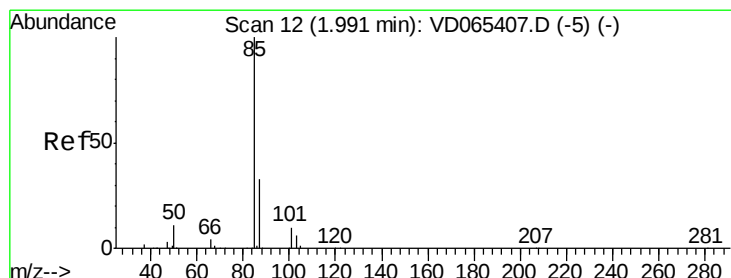
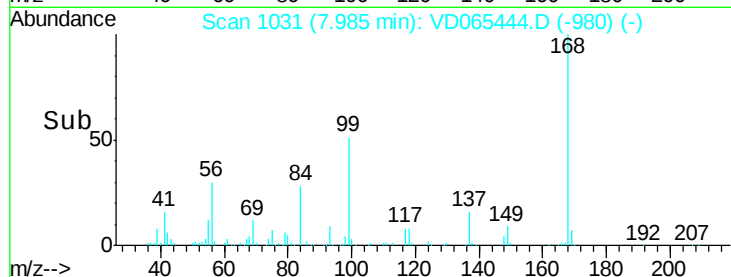
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.567 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065444.D

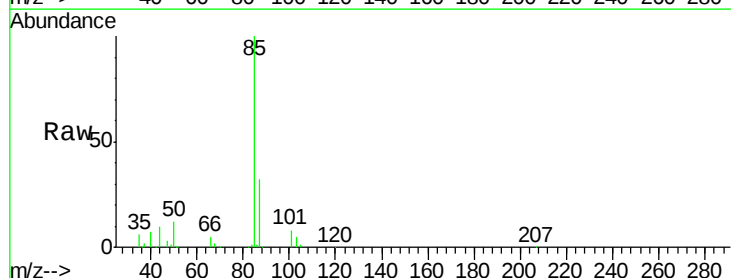
Acq: 09 Mar 2020 12:27

Tgt Ion: 85 Resp: 96417

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

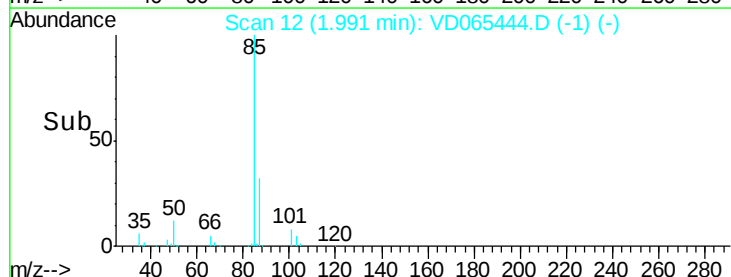
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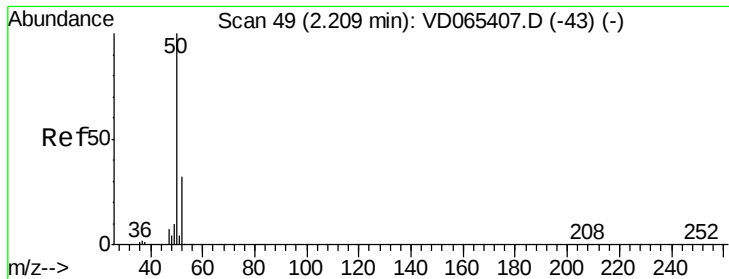
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.737 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 50 Resp: 106964

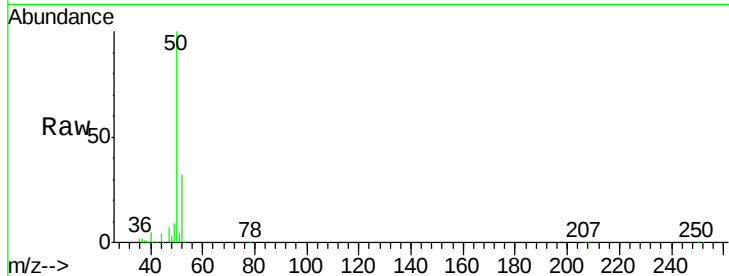
Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8

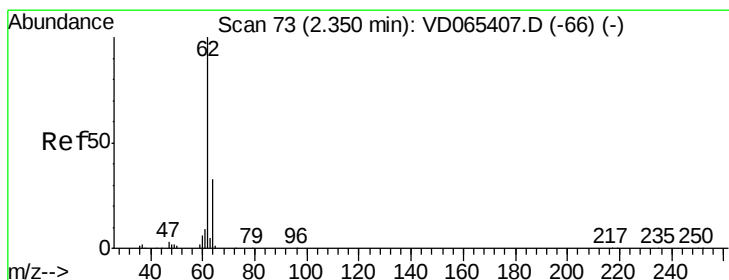
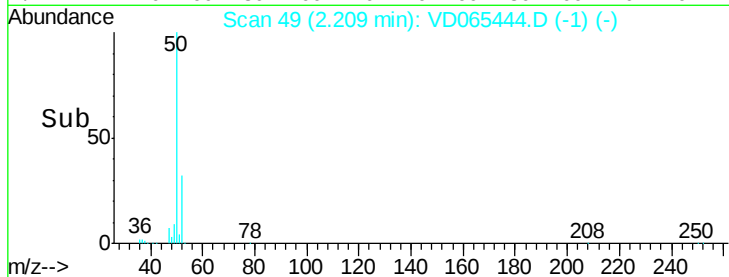
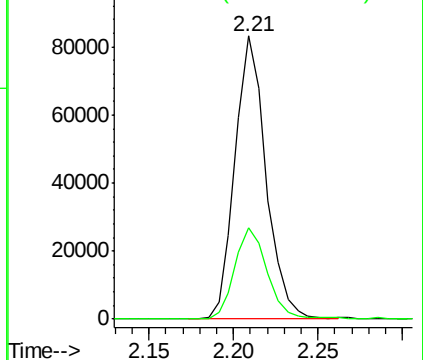
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.142 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065444.D

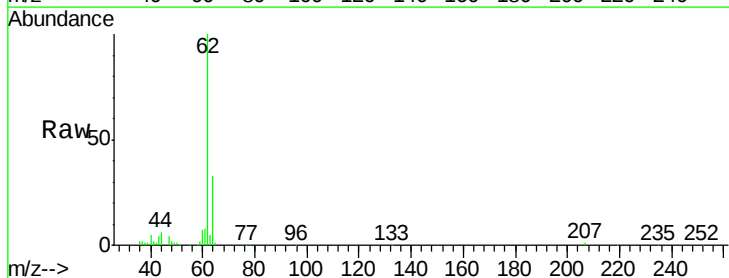
Acq: 09 Mar 2020 12:27

Tgt Ion: 62 Resp: 107564

Ion Ratio Lower Upper

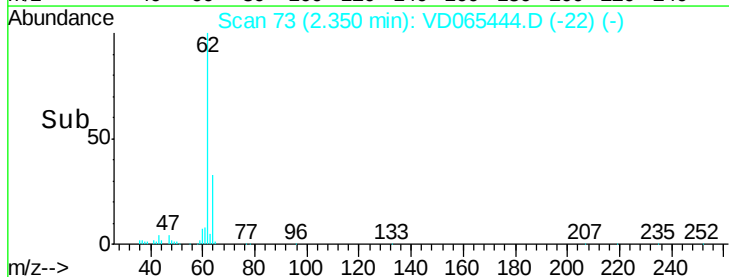
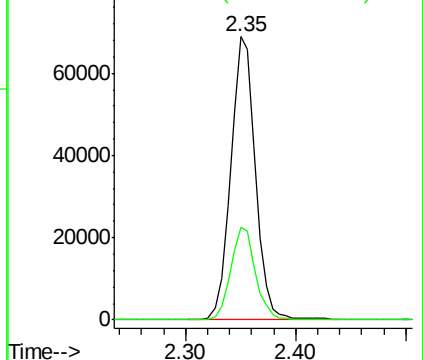
62 100

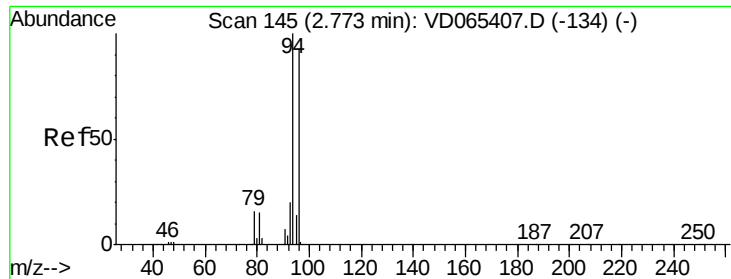
64 32.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.558 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 94 Resp: 69217

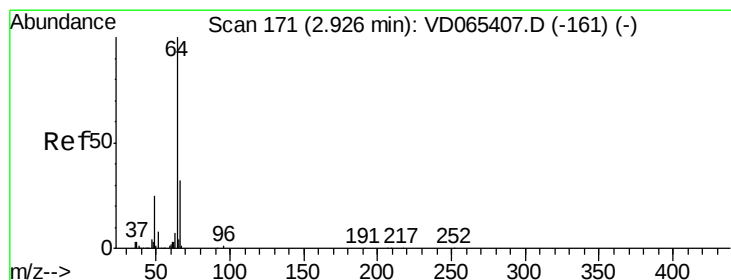
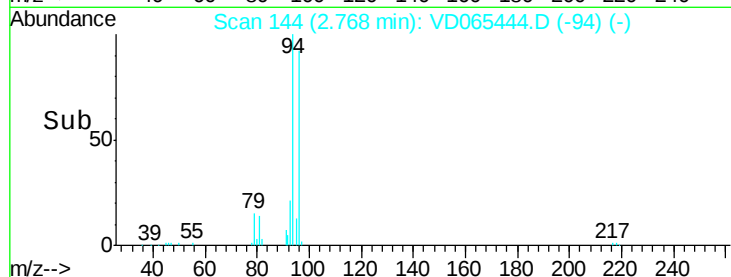
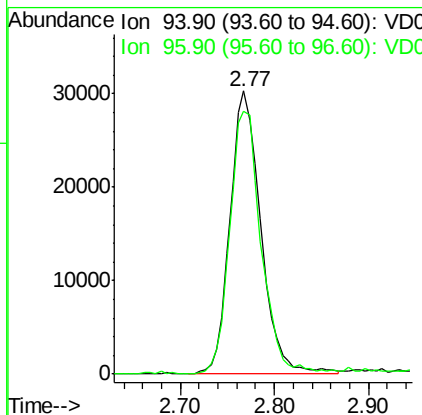
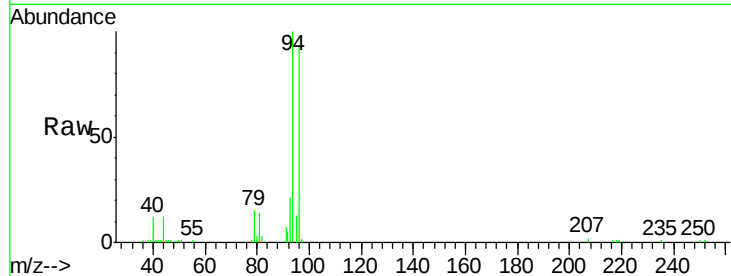
Ion Ratio Lower Upper

94 100

96 93.0 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 21.054 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065444.D

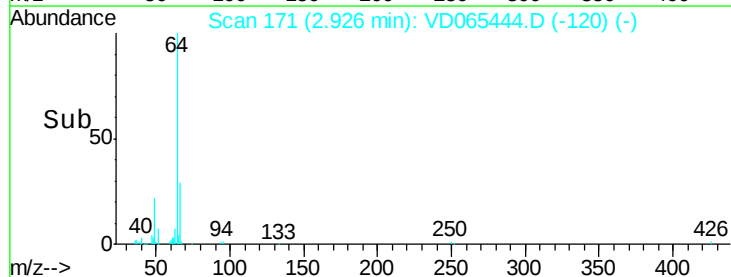
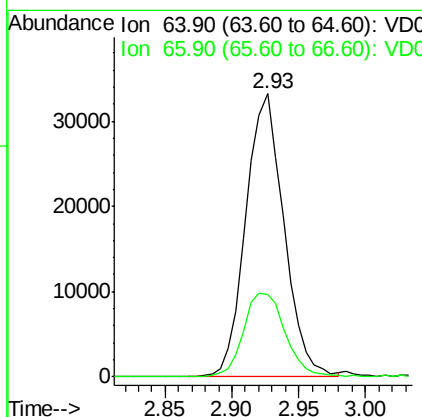
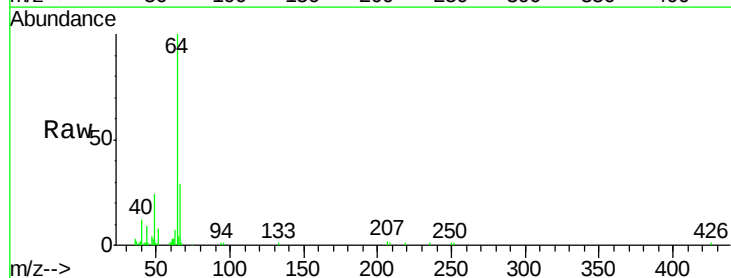
Acq: 09 Mar 2020 12:27

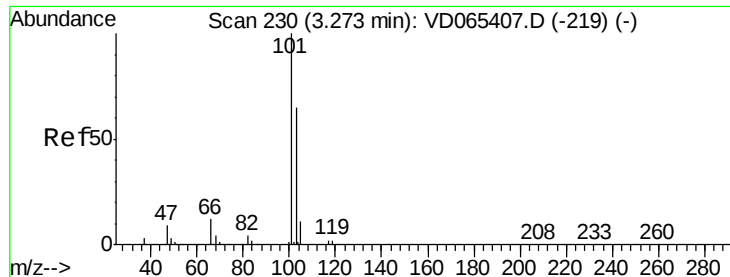
Tgt Ion: 64 Resp: 65605

Ion Ratio Lower Upper

64 100

66 28.9 25.6 38.4





#7

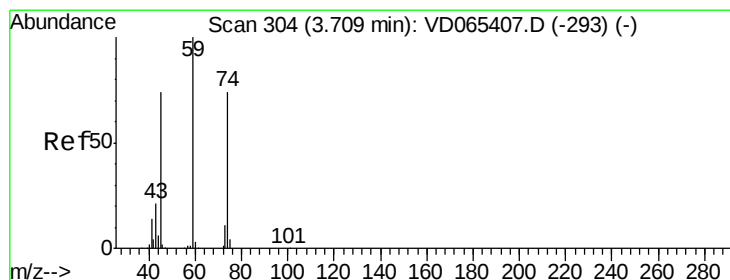
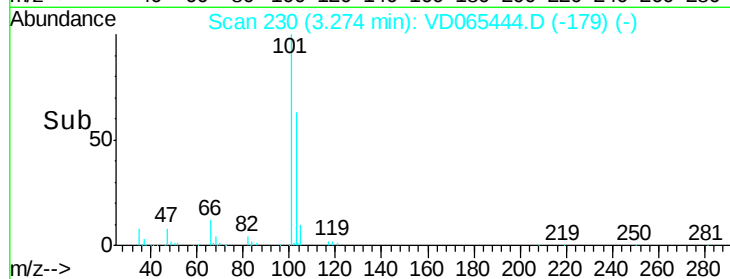
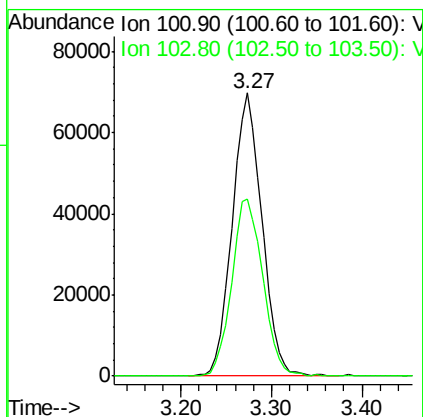
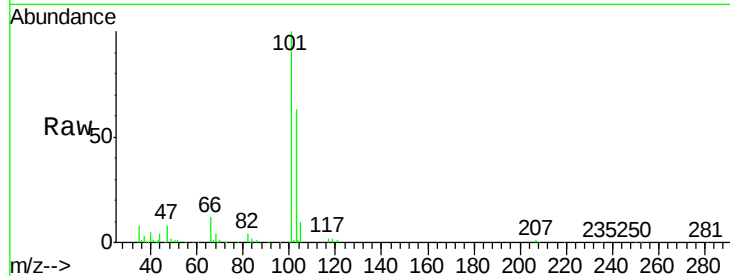
Trichlorofluoromethane
Concen: 21.202 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1

Manual Integrations
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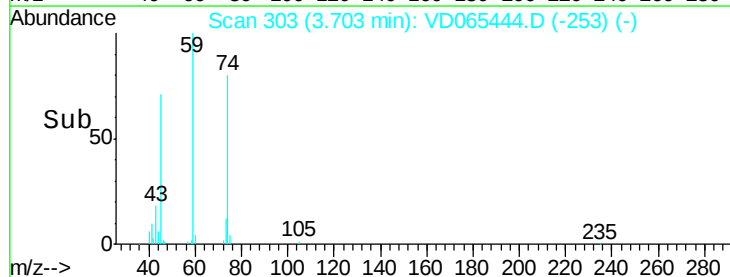
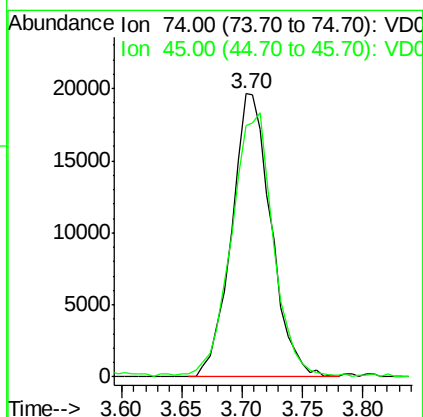
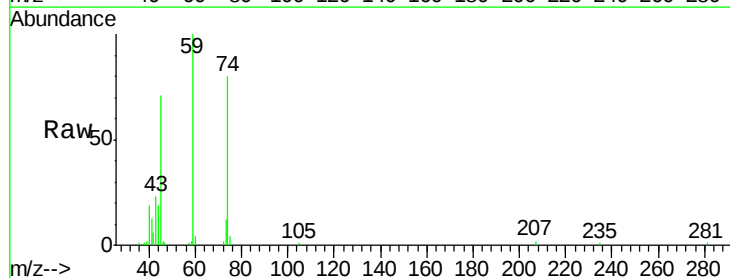
MMDadoda
3/10/2020 3:34:27 PM

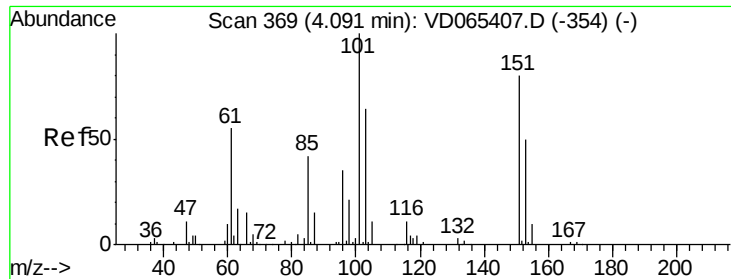


#8

Diethyl Ether
Concen: 20.059 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.359 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

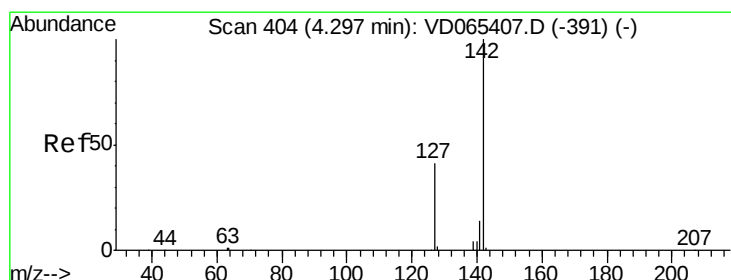
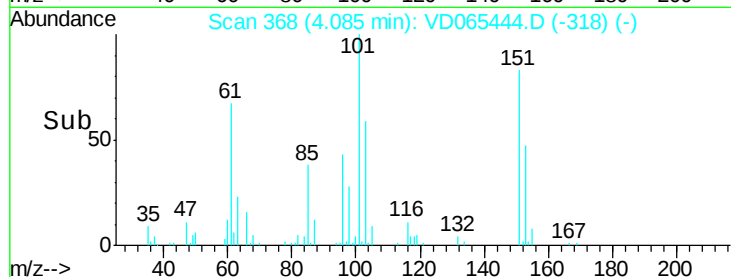
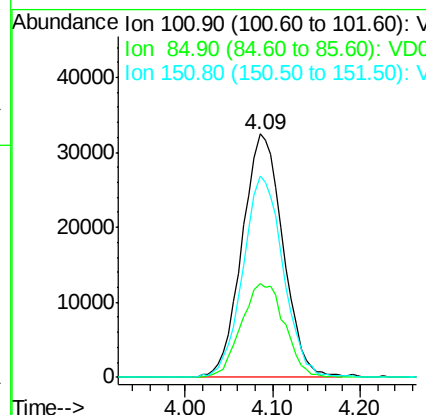
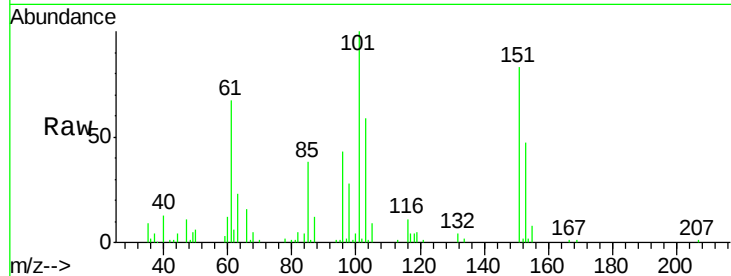
ClientSampleId :

VD0309SBSD01

Tot Ion:	101	Resp:	103126
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.2	51.2
151	81.3	65.1	97.7

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#10

Methyl Iodide

Concen: 20.412 ug/l

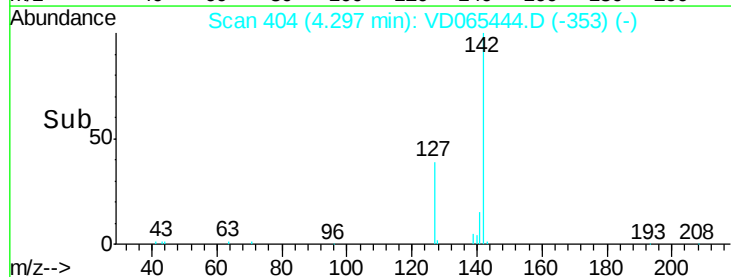
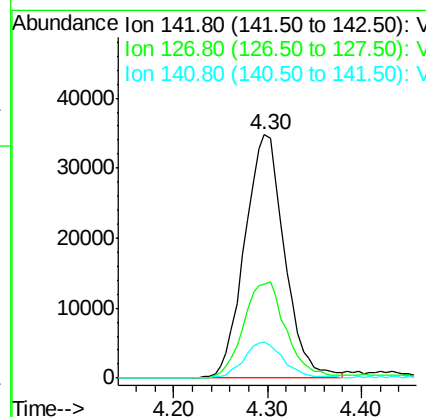
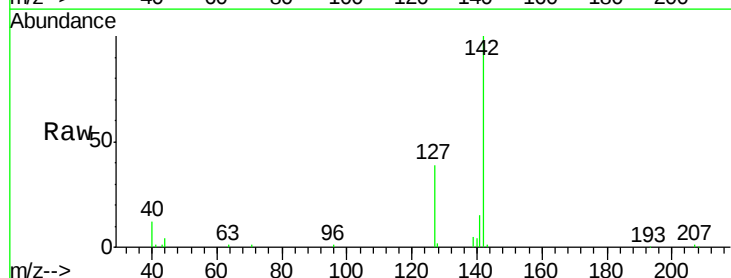
RT: 4.30 min Scan# 404

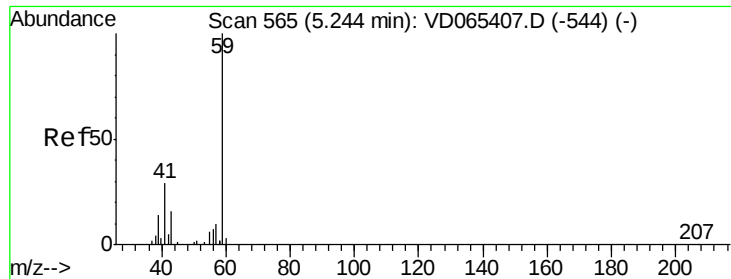
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	142	Resp:	102386
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.7	12.4	18.6





#11

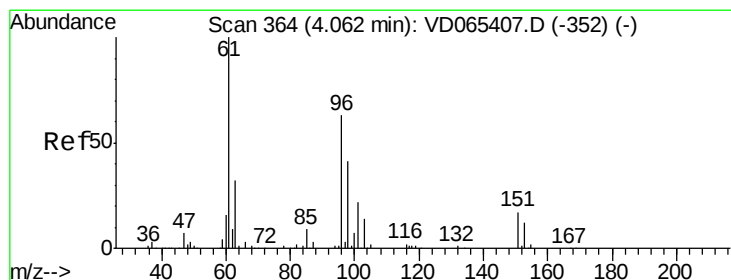
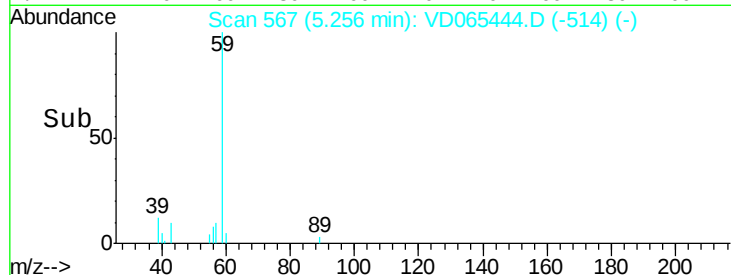
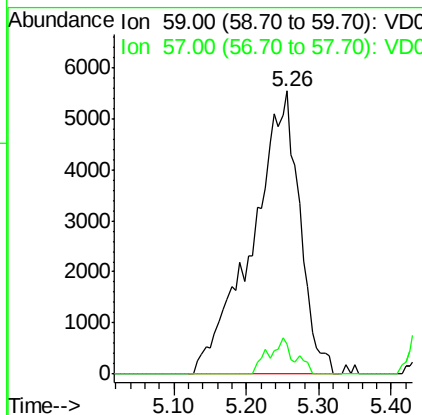
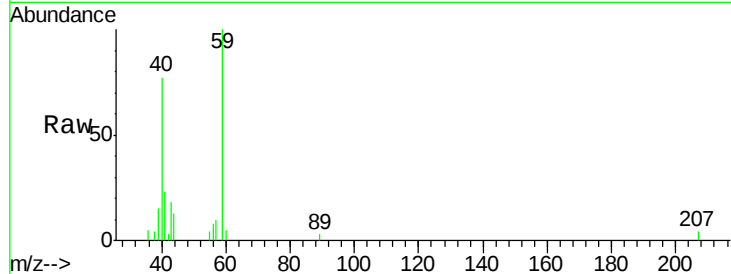
Tert butyl alcohol
Concen: 103.305 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25268		
57	5.7	6.9	10.3	

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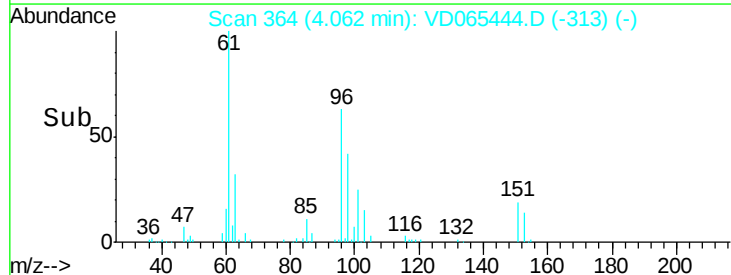
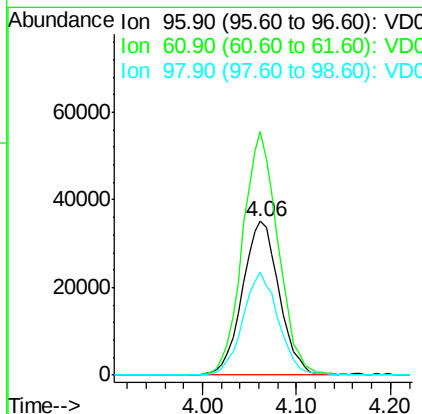
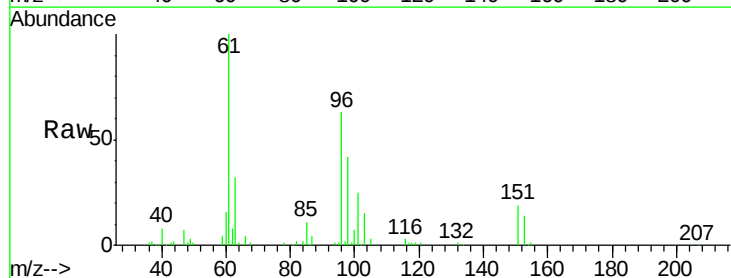
MMDadoda
3/10/2020 3:34:27 PM

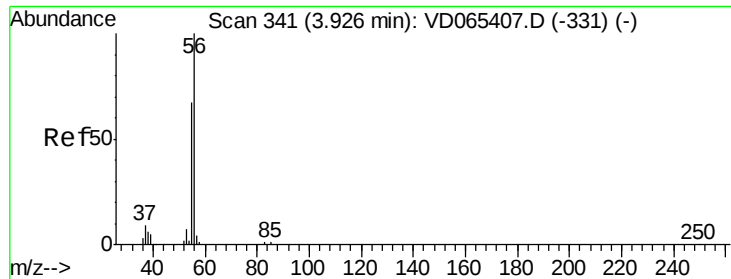


#12

1,1-Dichloroethene
Concen: 20.563 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	95068		
61	158.4	128.0	192.0	
98	66.7	51.9	77.9	





#13

Acrolein

Concen: 83.449 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 56 Resp: 35202

Ion Ratio Lower Upper

56 100

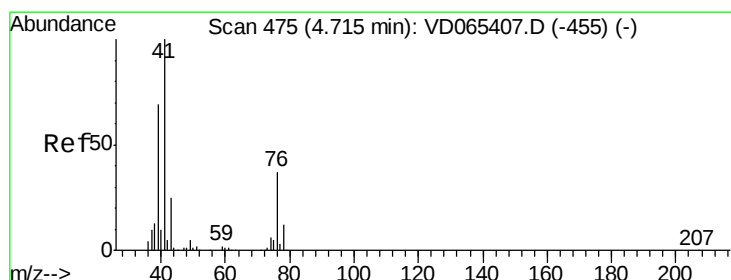
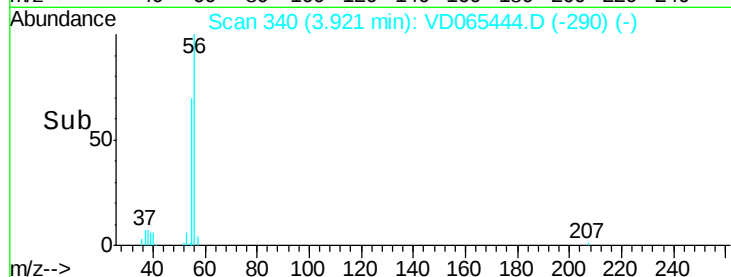
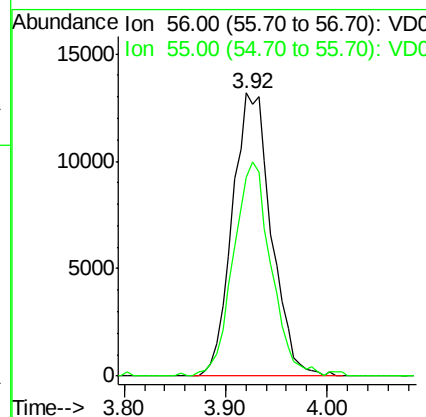
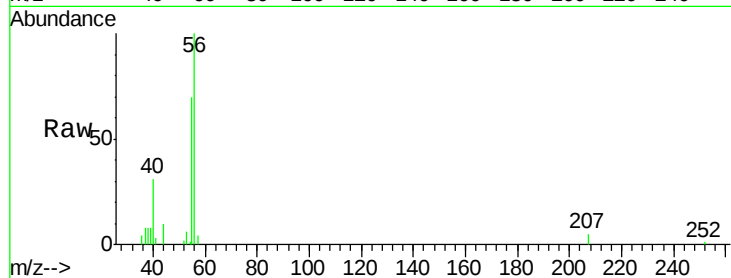
55 73.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.886 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

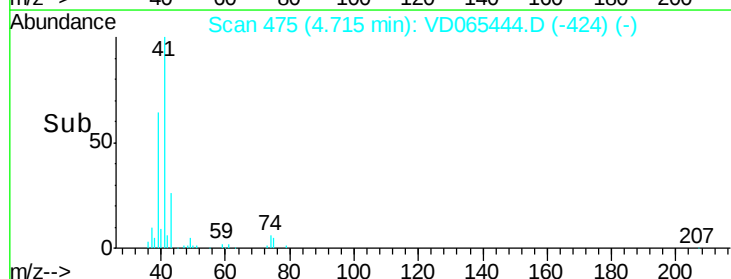
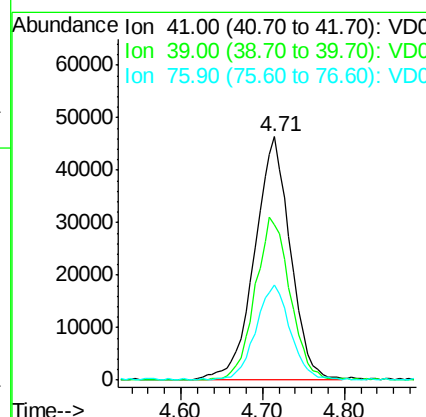
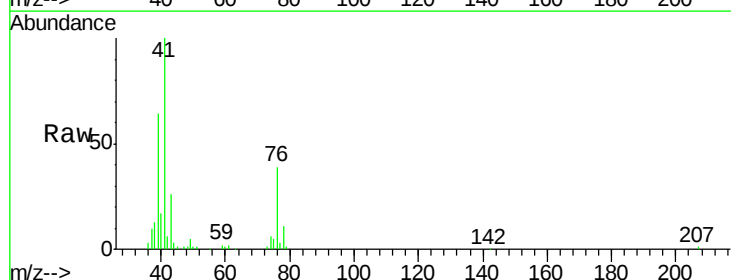
Tgt Ion: 41 Resp: 141231

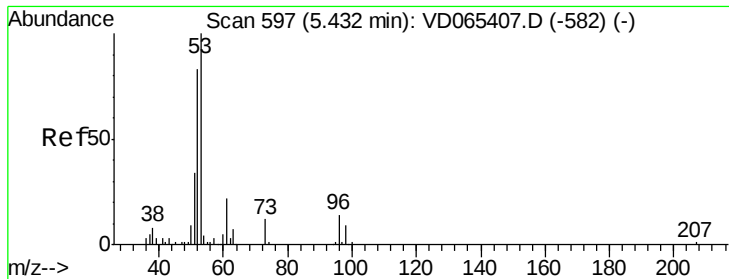
Ion Ratio Lower Upper

41 100

39 65.5 52.6 79.0

76 37.7 29.2 43.8





#15

Acrylonitrile

Concen: 94.236 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

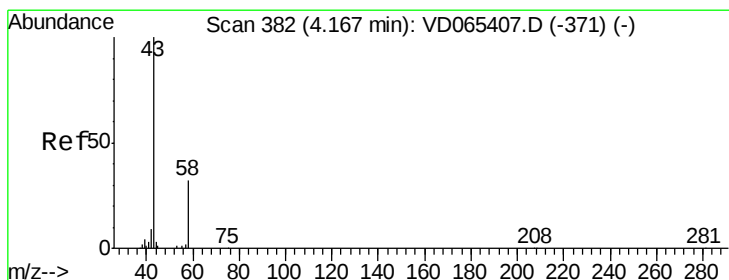
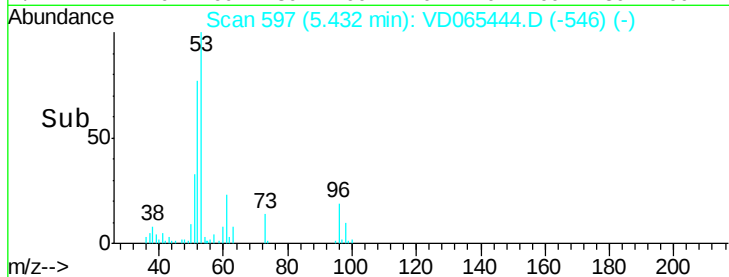
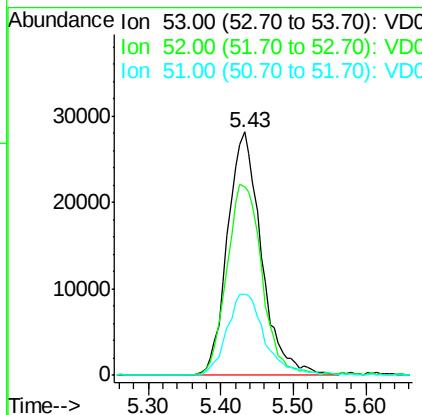
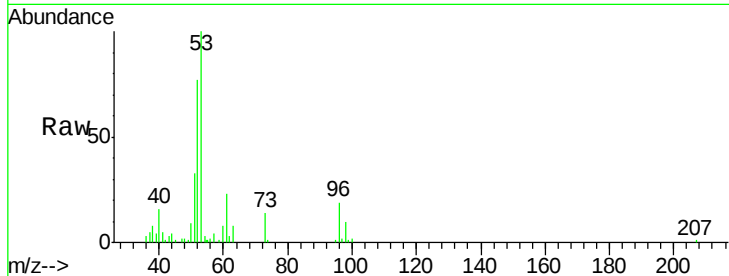
ClientSampleId :

VD0309SBSD01

Tot Ion:	53	Resp:	91396
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.1	97.7
51	36.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 91.897 ug/l

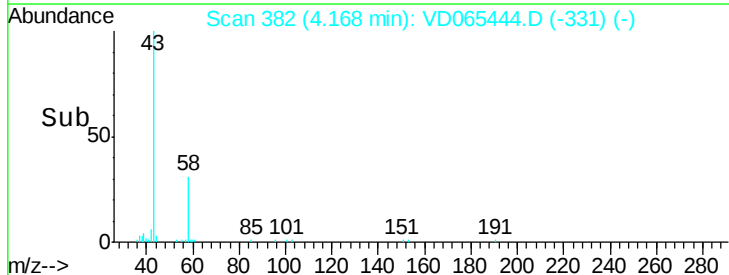
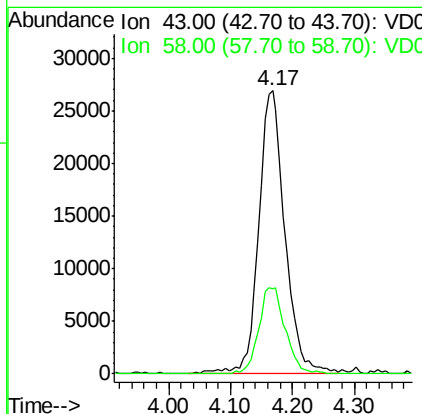
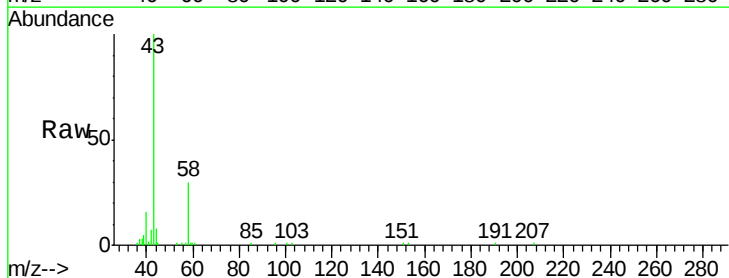
RT: 4.17 min Scan# 382

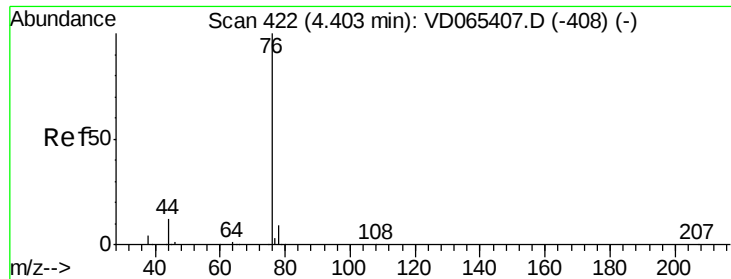
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	43	Resp:	79253
Ion Ratio	Lower	Upper	
43	100		
58	30.1	25.1	37.7





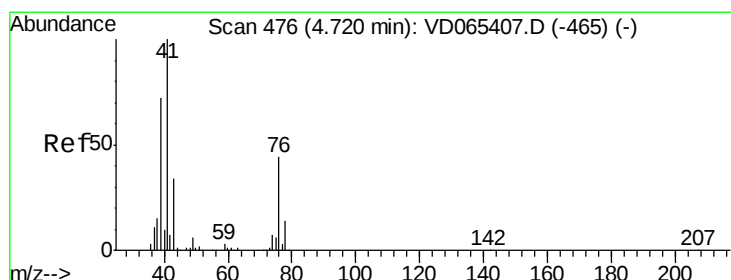
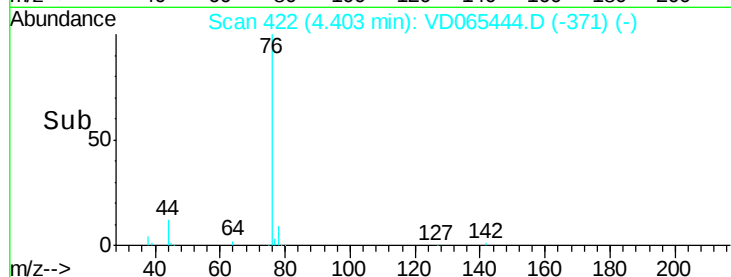
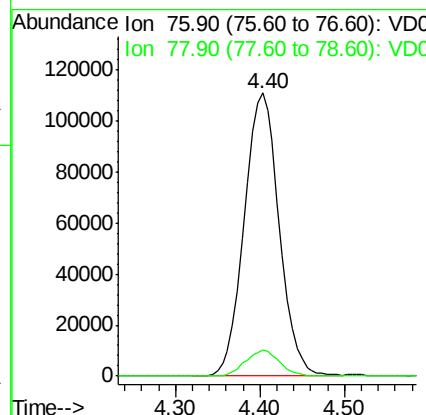
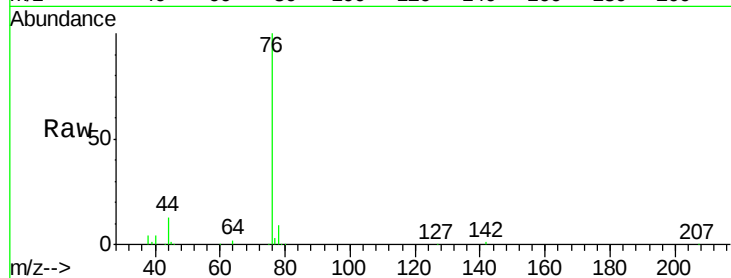
#17
Carbon Disulfide
Concen: 20.676 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

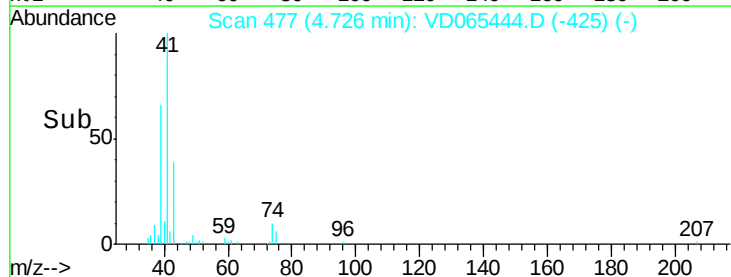
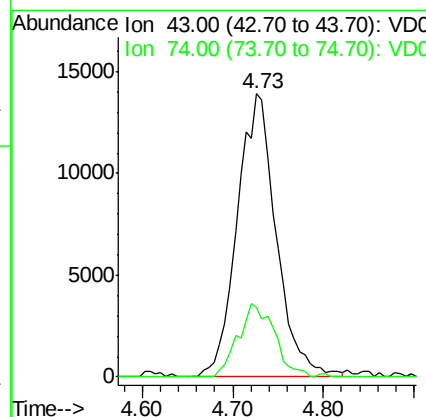
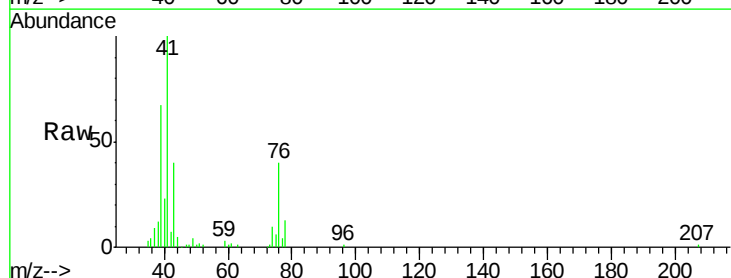
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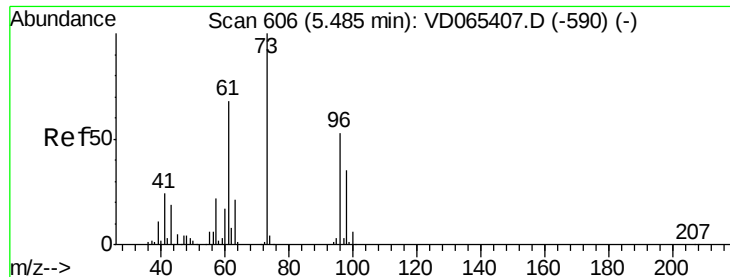
MMDadoda
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#18
Methyl Acetate
Concen: 18.987 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.6	29.4





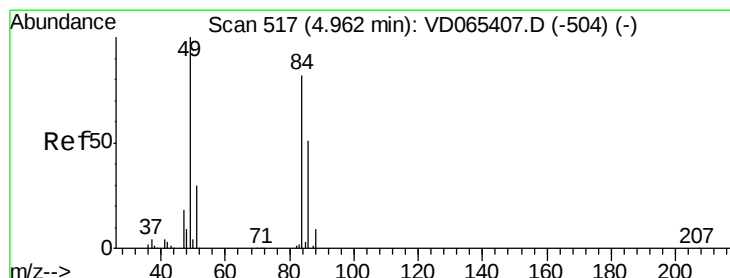
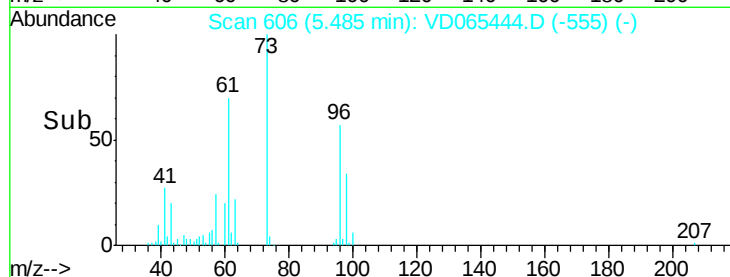
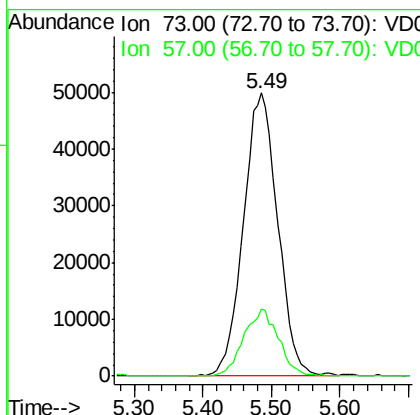
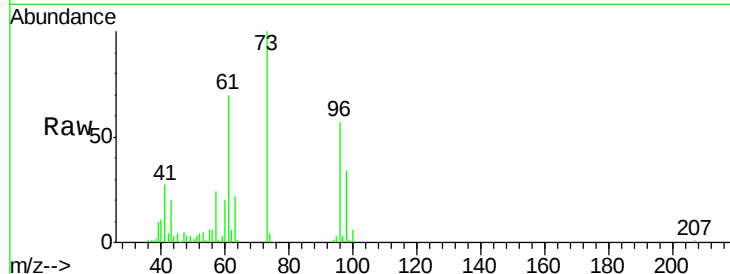
#19
Methyl tert-butyl Ether
Concen: 19.512 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion: 73 Resp: 173474
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9

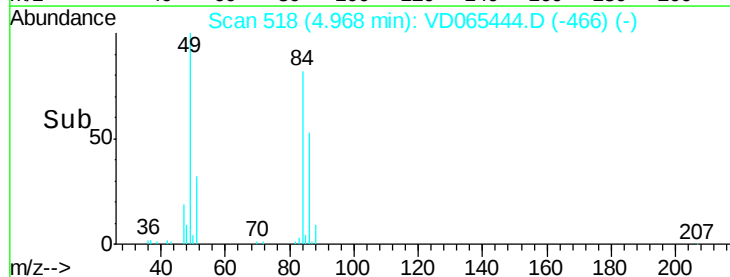
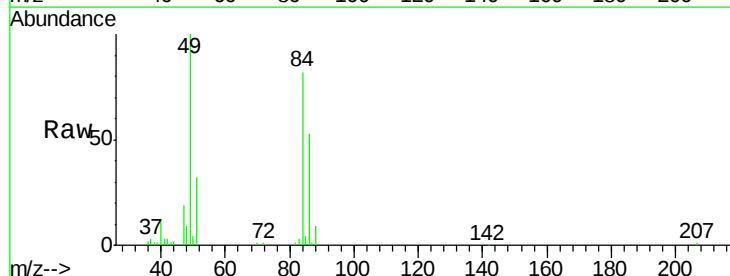
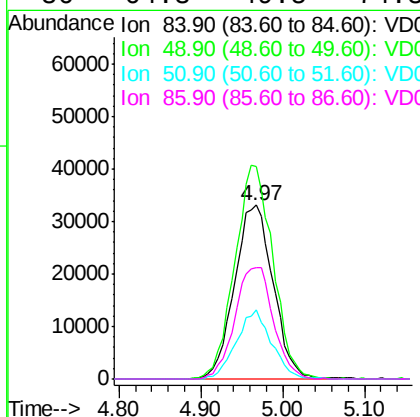
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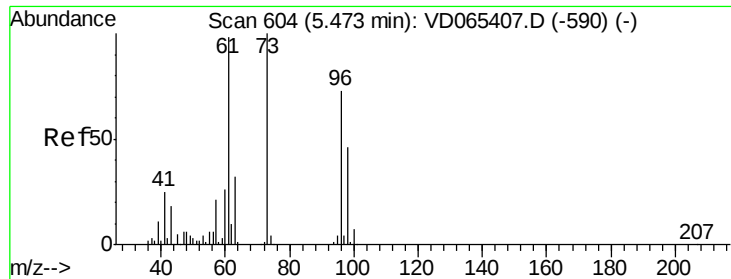
MMDadoda
3/10/2020 3:34:27 PM



#20
Methylene Chloride
Concen: 21.244 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 84 Resp: 108802
Ion Ratio Lower Upper
84 100
49 122.2 97.7 146.5
51 39.5 28.8 43.2
86 64.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.798 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

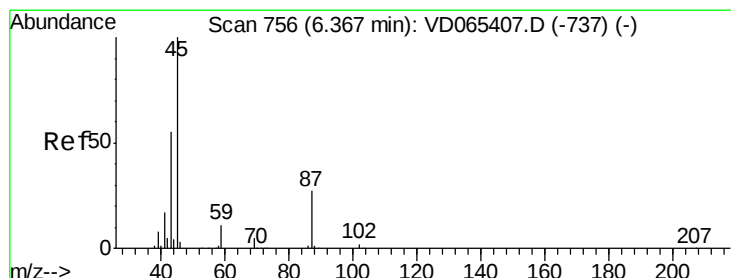
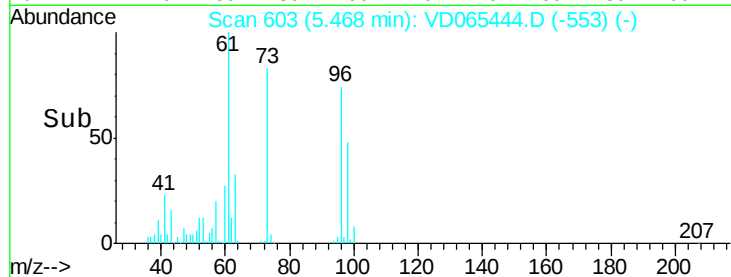
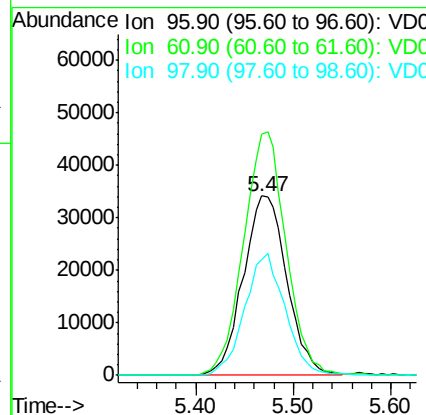
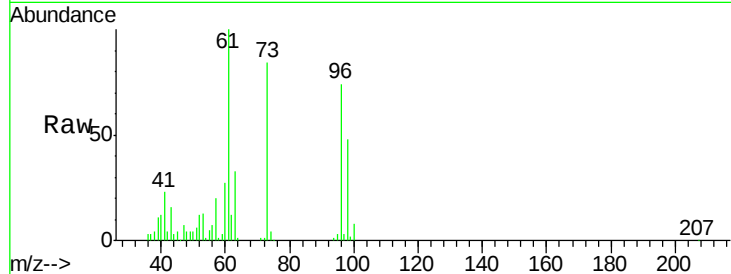
ClientSampleId :

VD0309SBS01

Tot Ion:	96	Resp:	106964
Ion	Ratio	Lower	Upper
96	100		
61	134.4	106.3	159.5
98	64.8	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.046 ug/l

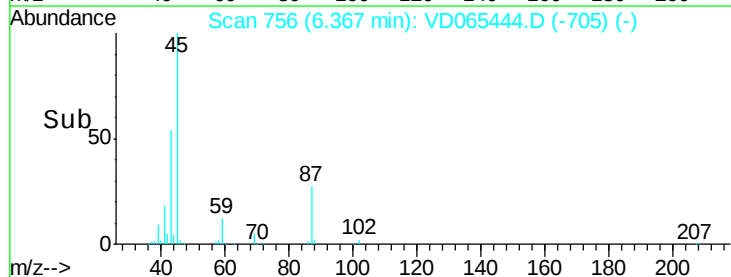
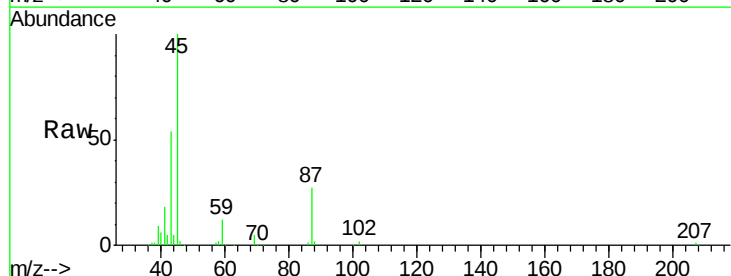
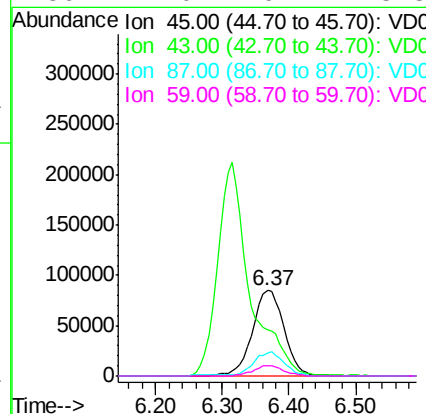
RT: 6.37 min Scan# 756

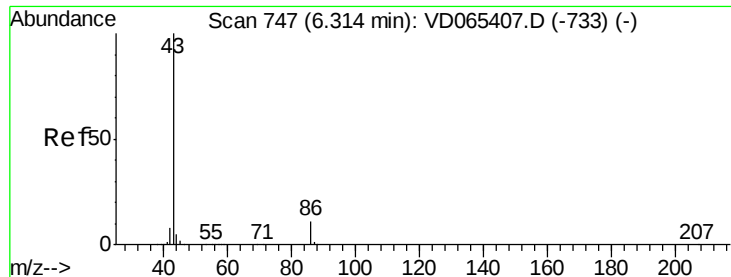
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	45	Resp:	277855
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.4	66.6
87	26.6	21.9	32.9
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 97.510 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 43 Resp: 714815

Ion Ratio Lower Upper

43 100

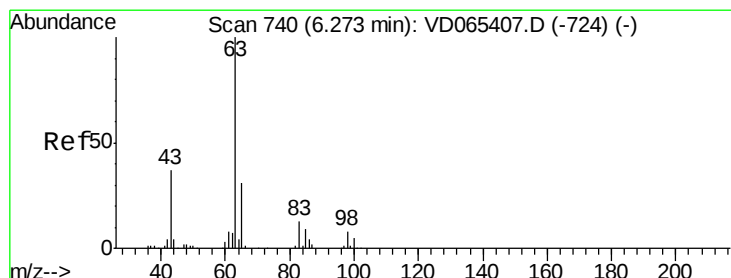
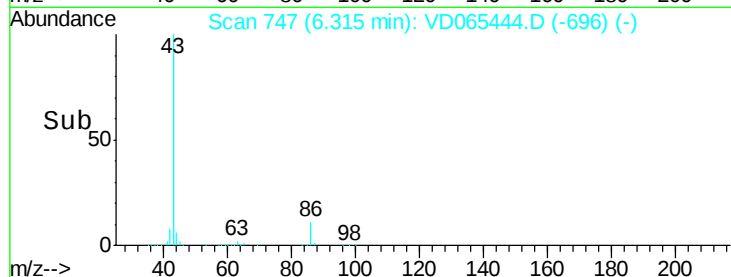
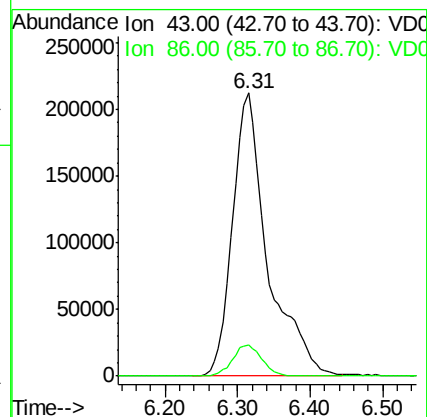
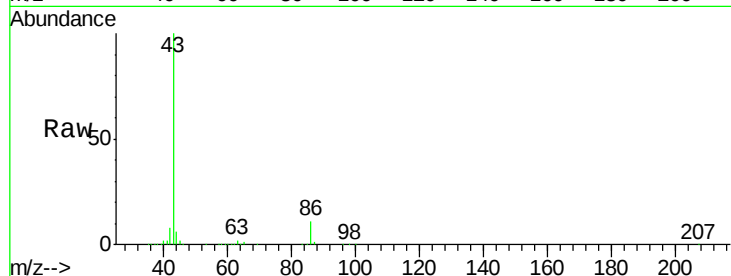
86 11.1 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.588 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

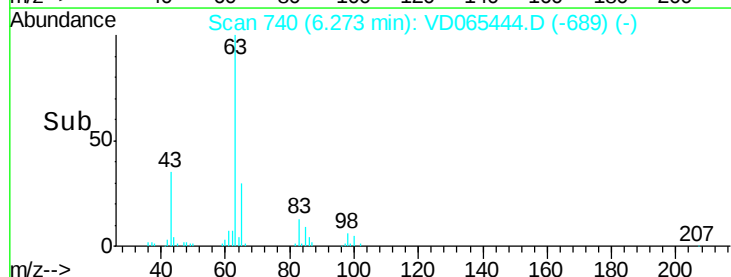
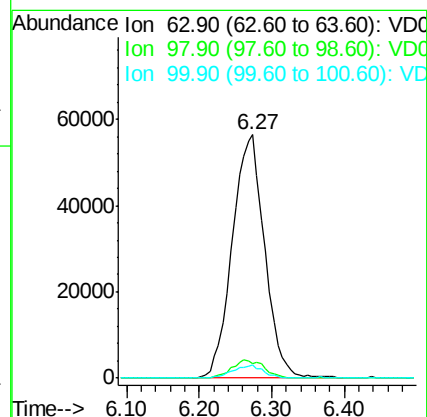
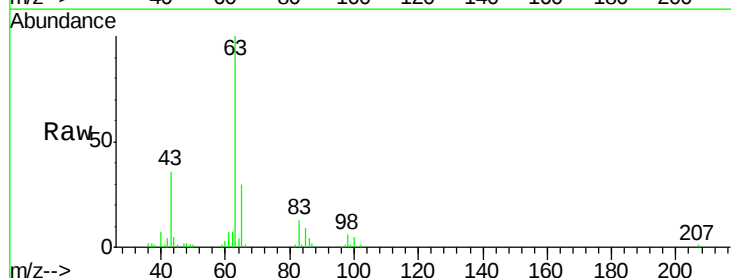
Tgt Ion: 63 Resp: 174346

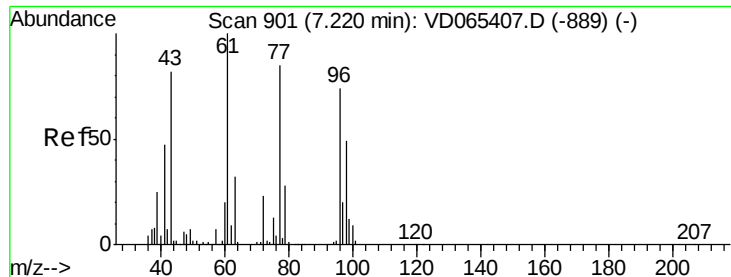
Ion Ratio Lower Upper

63 100

98 6.1 4.2 12.6

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 88.773 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 43 Resp: 104476

Ion Ratio Lower Upper

43 100

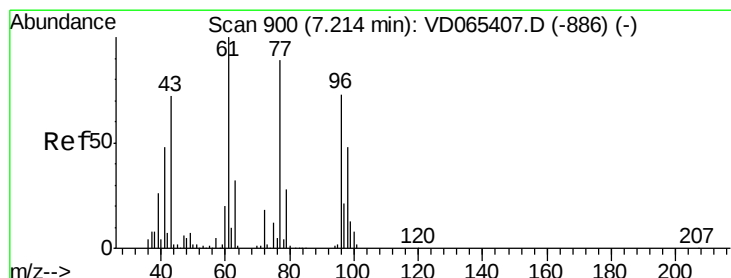
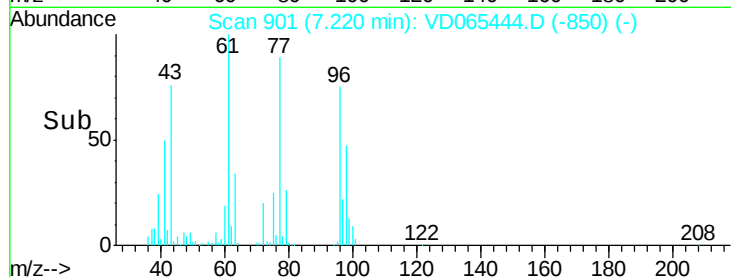
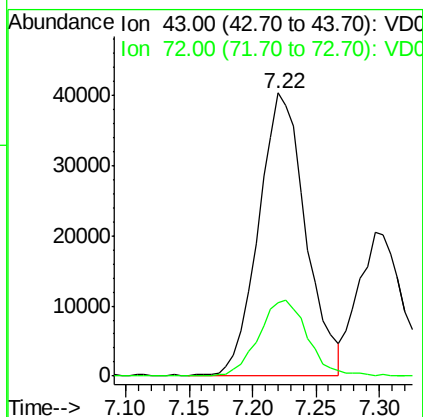
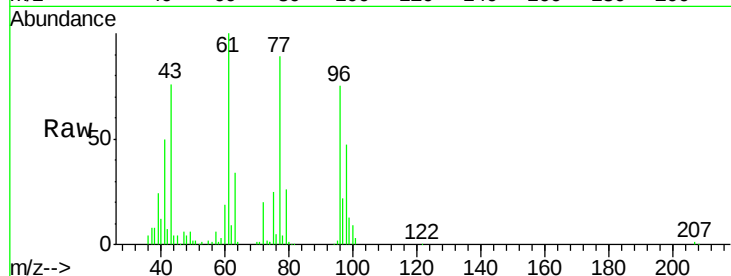
72 25.9 22.3 33.5

Manual Integrations

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3/10/2020 3:34:27 PM



#26

2,2-Dichloropropane

Concen: 20.855 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065444.D

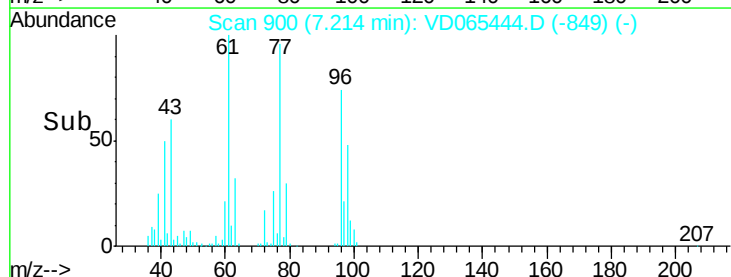
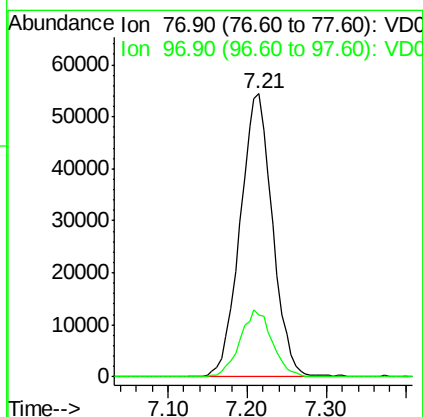
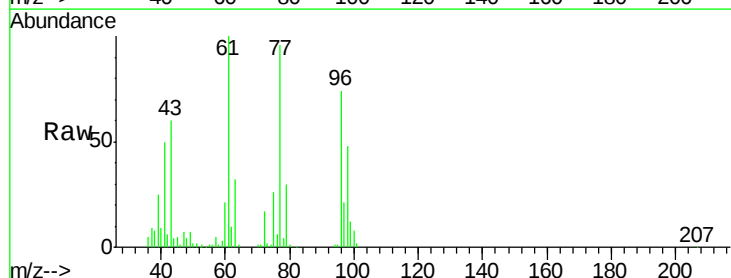
Acq: 09 Mar 2020 12:27

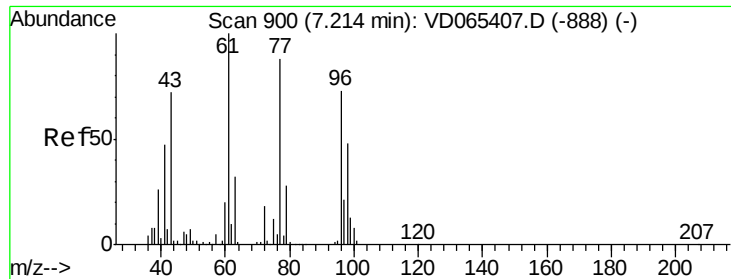
Tgt Ion: 77 Resp: 154330

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4





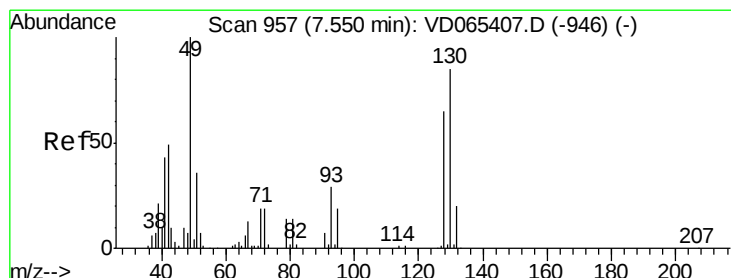
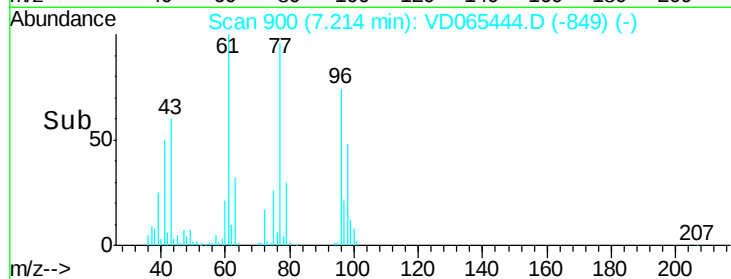
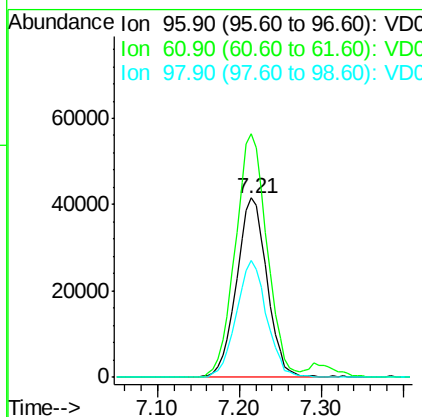
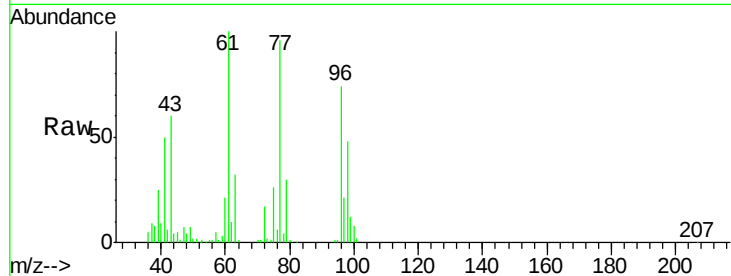
#27
 cis-1,2-Dichloroethene
 Concen: 20.572 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.2	0.0	280.4	
98	64.4	0.0	132.6	

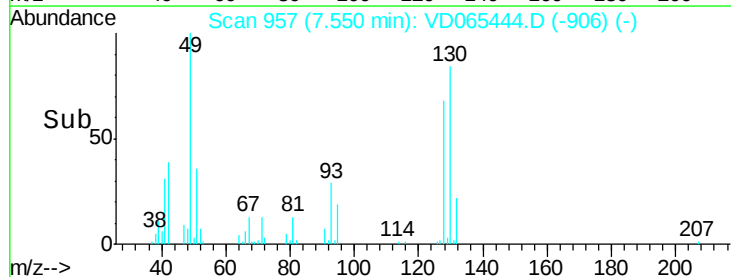
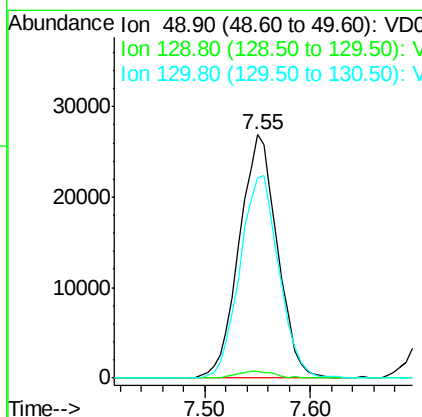
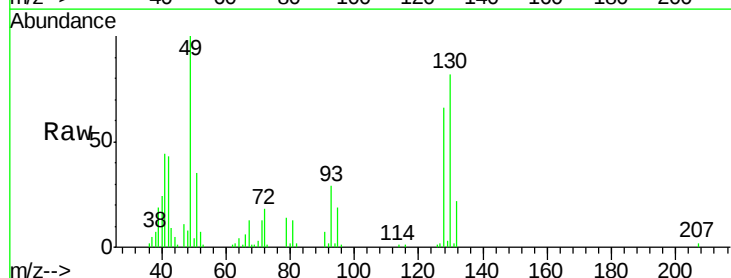
Manual Integrations
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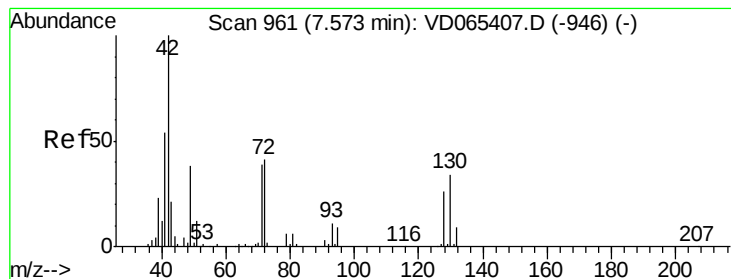
MMDadoda
 3/10/2020 3:34:27 PM



#28
 Bromochloromethane
 Concen: 19.844 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	85.2	66.6	100.0	





#29

Tetrahydrofuran

Concen: 91.625 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

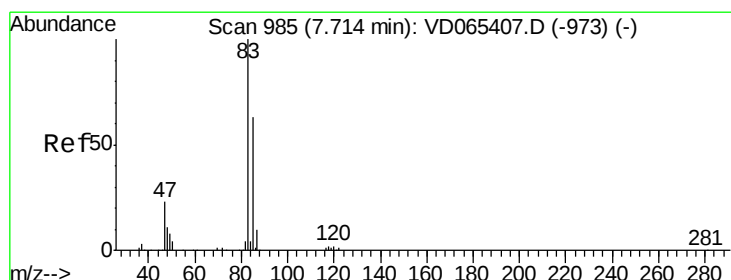
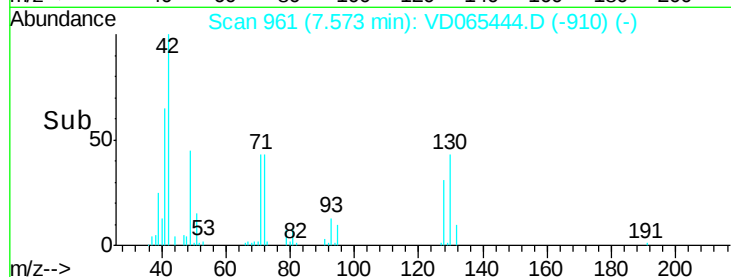
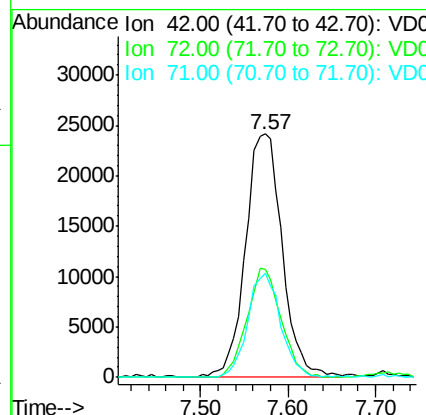
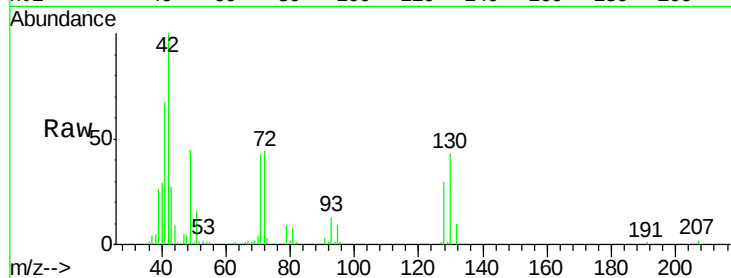
ClientSampleId :

VD0309SBS01

Tot Ion:	42	Resp:	68863
Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.0	49.6
71	38.0	32.0	48.0

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#30

Chloroform

Concen: 20.900 ug/l

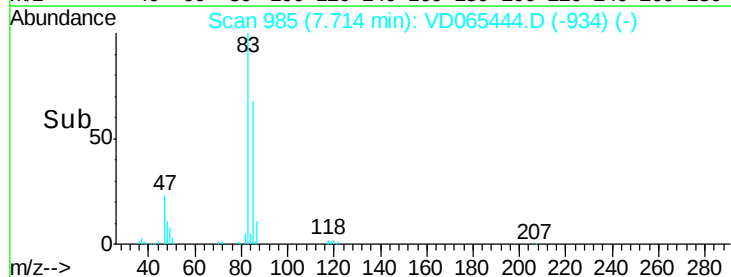
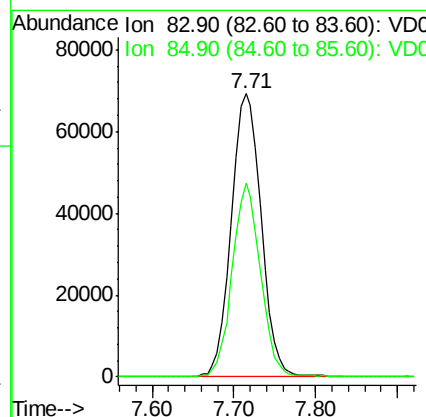
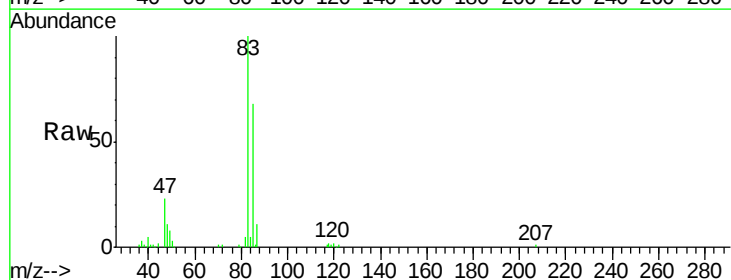
RT: 7.71 min Scan# 985

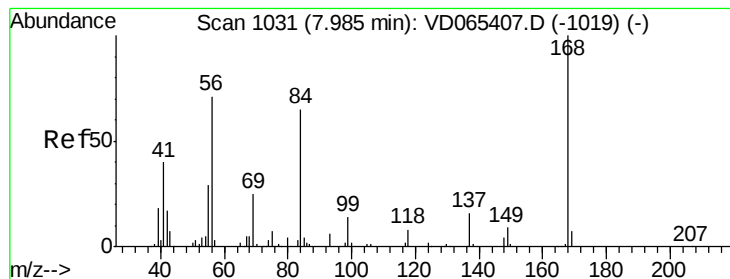
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	83	Resp:	176905
Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.3	75.5





#31

Cyclohexane

Concen: 20.388 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

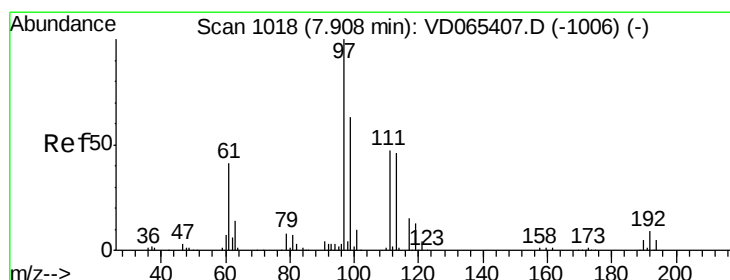
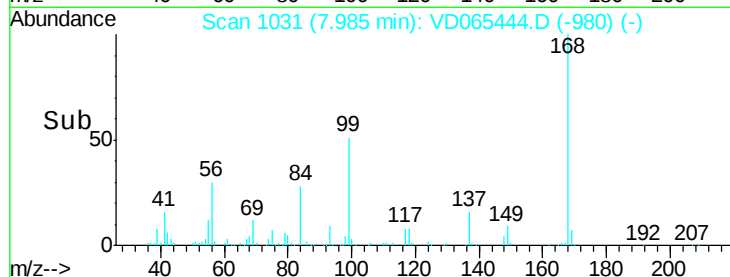
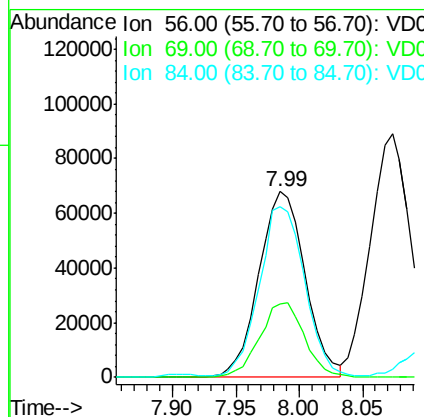
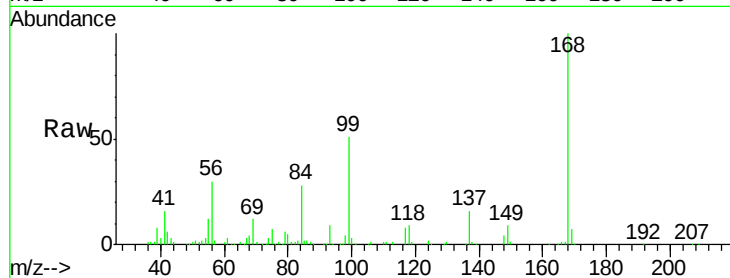
ClientSampleId :

VD0309SBS01

Tot Ion:	56	Resp:	172641
Ion	Ratio	Lower	Upper
56	100		
69	39.7	28.3	42.5
84	90.6	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 20.846 ug/l

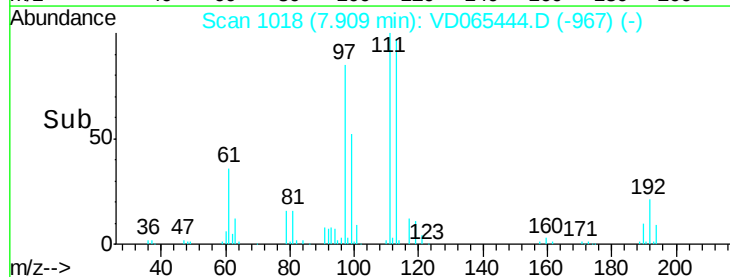
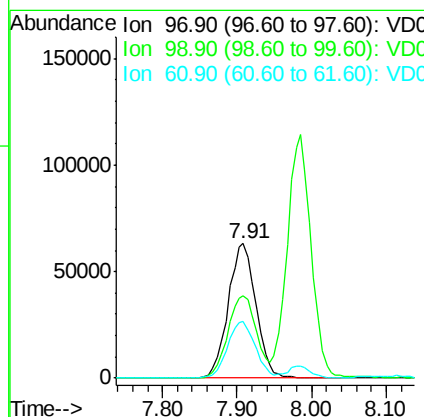
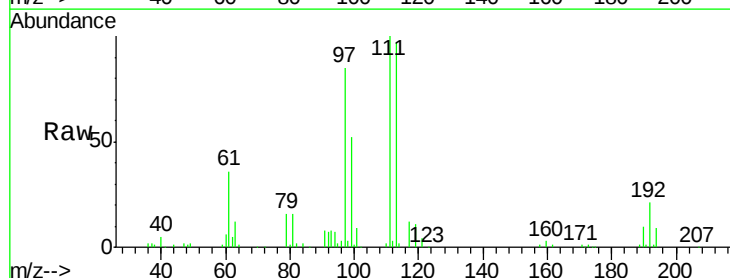
RT: 7.91 min Scan# 1018

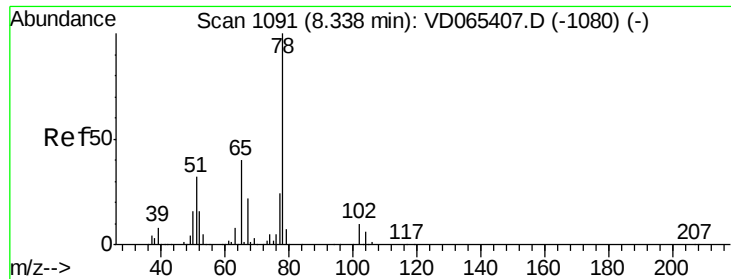
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	97	Resp:	163054
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	42.4	33.2	49.8





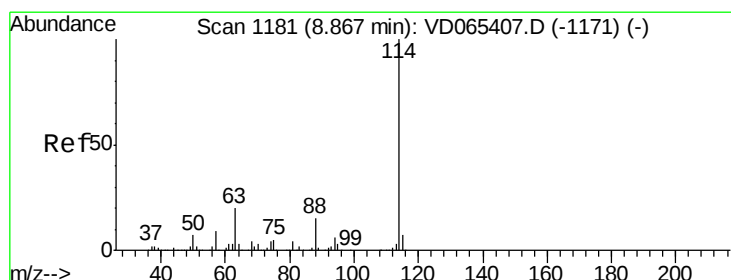
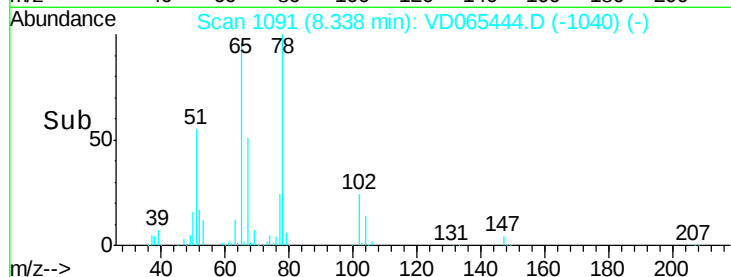
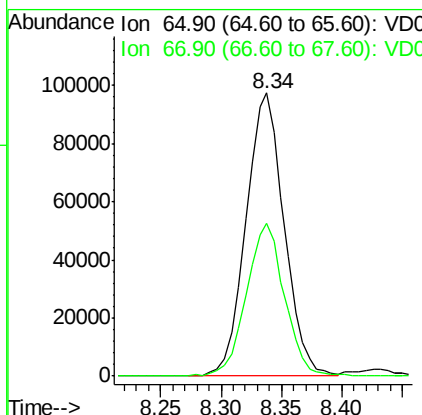
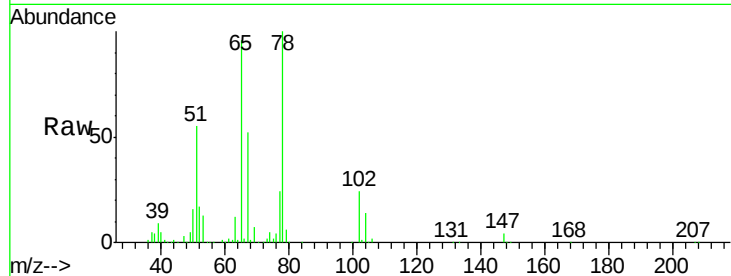
#33
 1,2-Dichloroethane-d4
 Concen: 50.090 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213598		
67	54.0	0.0	108.0	

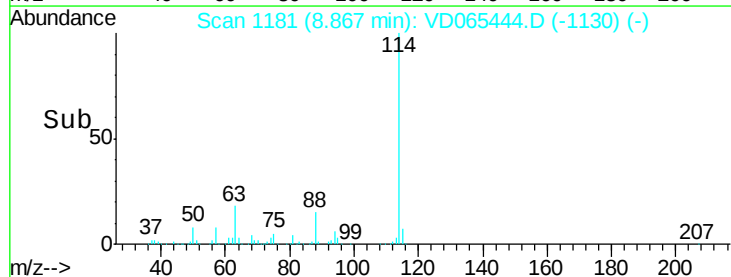
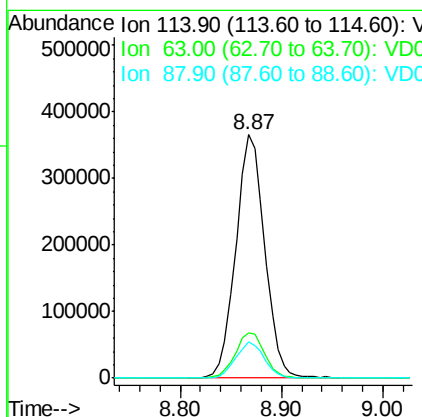
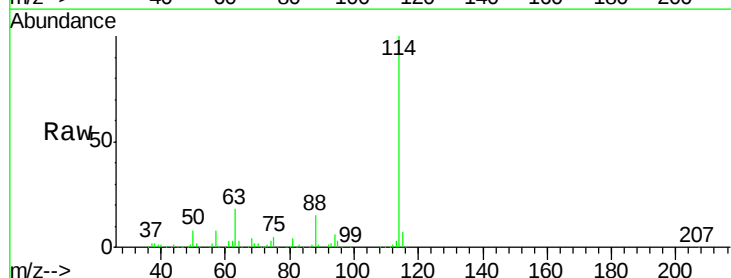
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	724955		
63	18.4	0.0	39.6	
88	14.7	0.0	30.4	





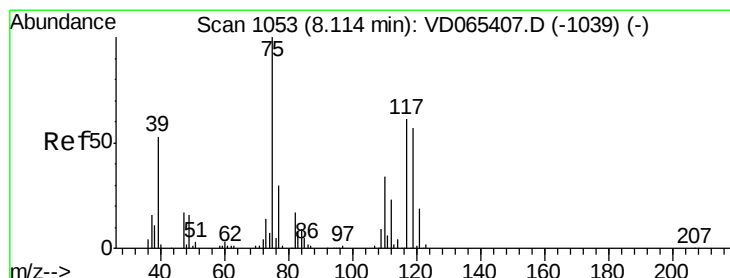
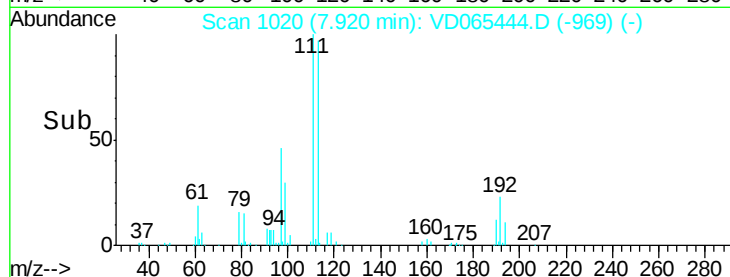
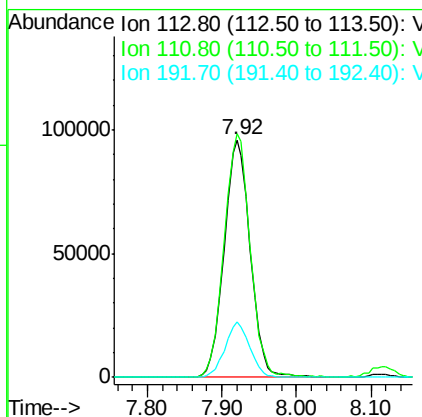
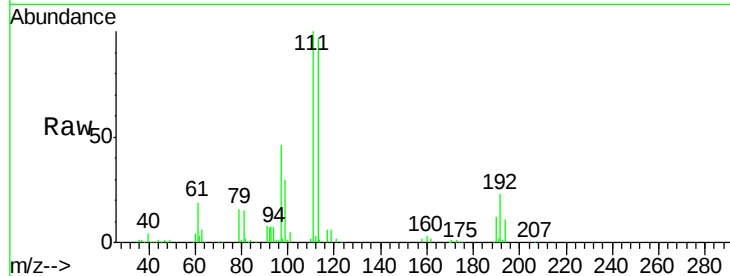
#35
 Dibromofluoromethane
 Concen: 51.898 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	22.2	17.2	25.8

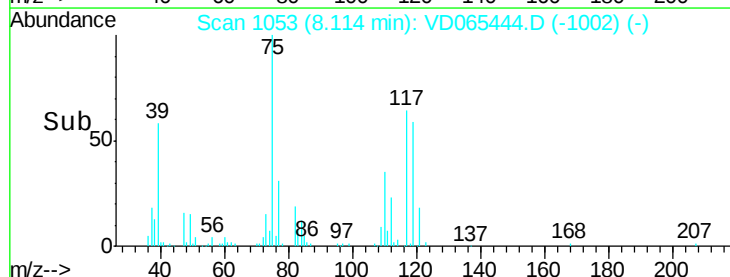
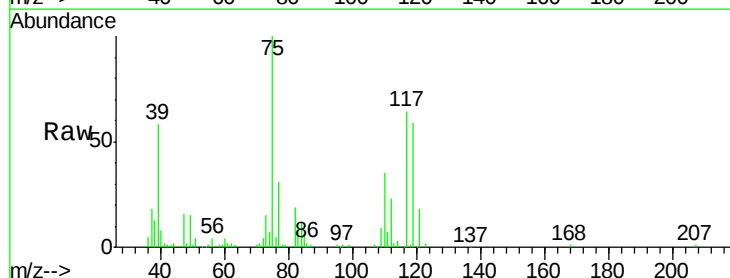
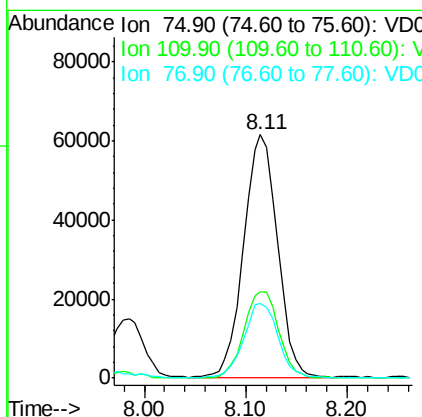
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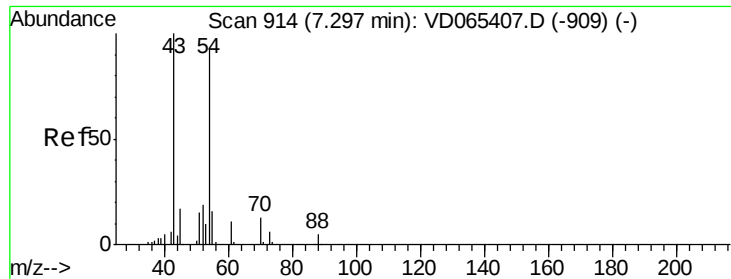
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#36
 1,1-Dichloropropene
 Concen: 20.490 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.4	25.2	37.8





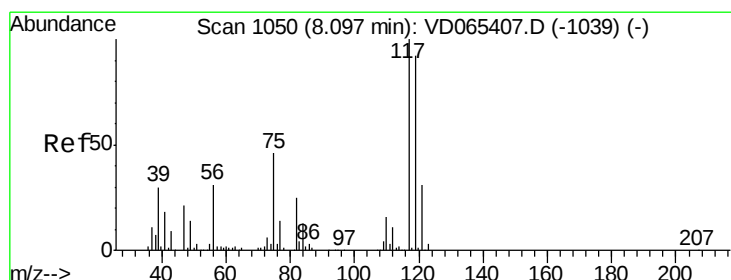
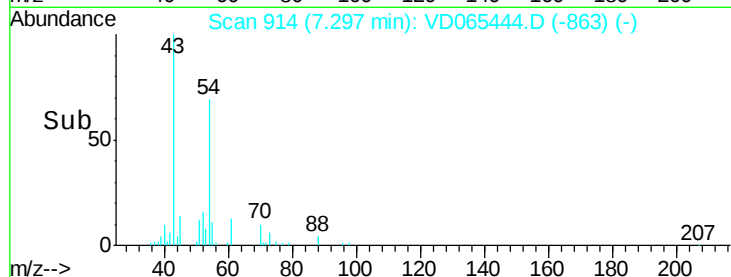
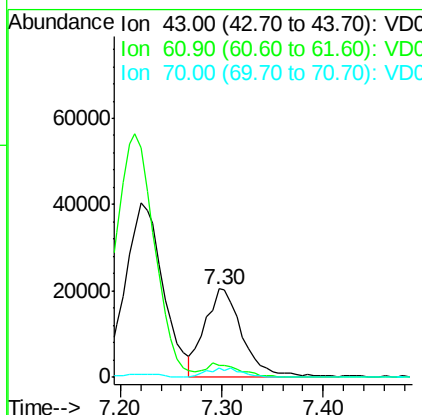
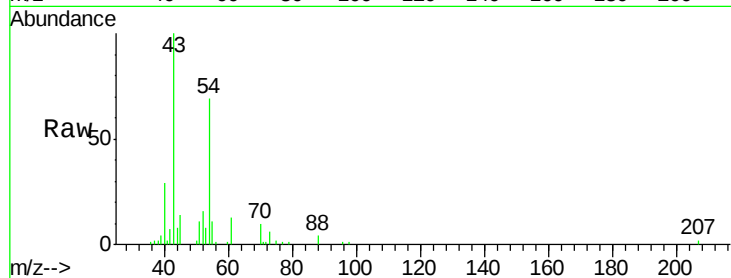
#37
Ethyl Acetate
Concen: 19.740 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	9.4	9.0	13.4

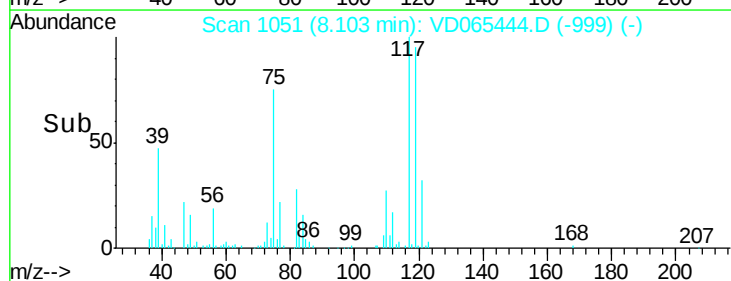
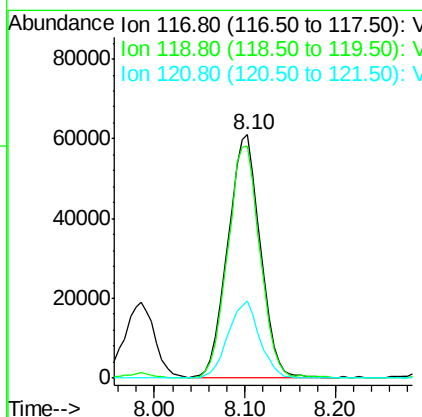
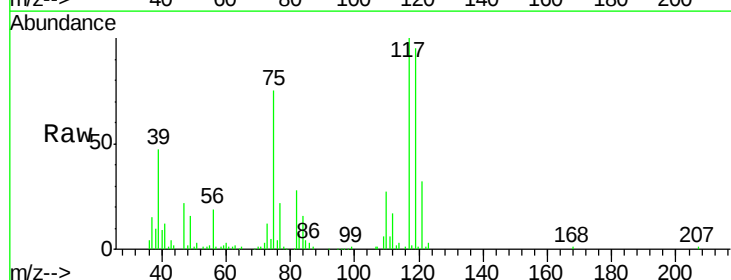
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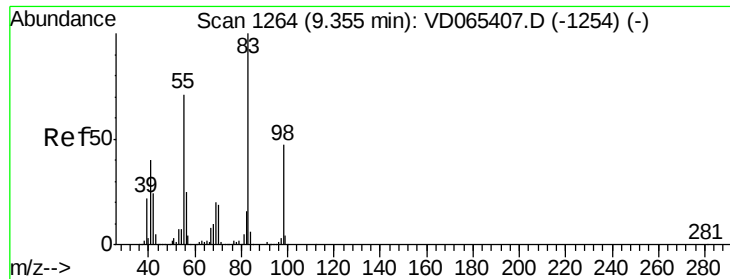
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#38
Carbon Tetrachloride
Concen: 21.176 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.3	109.9
121	31.9	25.0	37.4





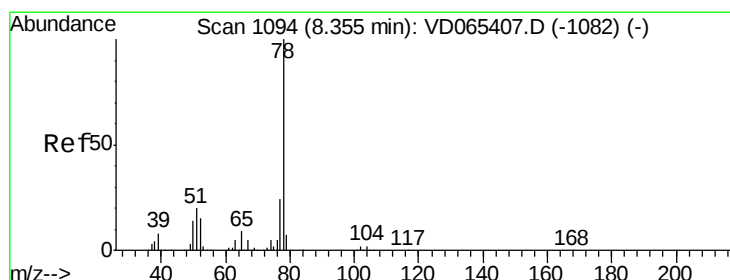
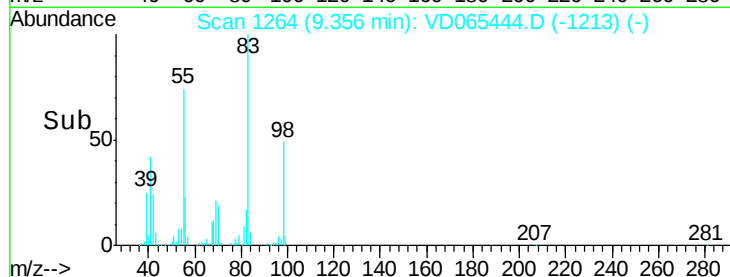
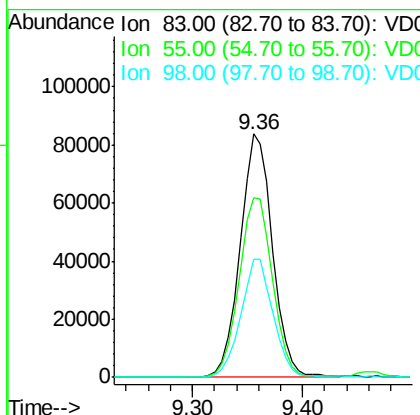
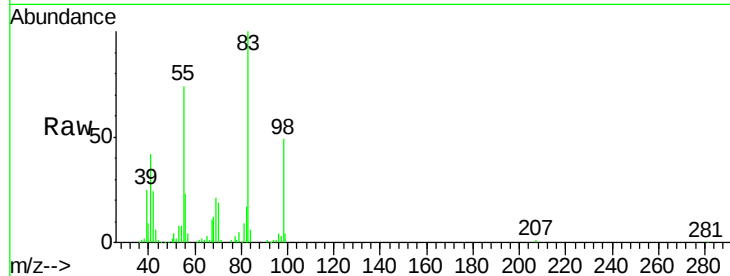
#39
Methvlcvclohexane
Concen: 20.506 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.1	85.7
98	48.7	37.8	56.8

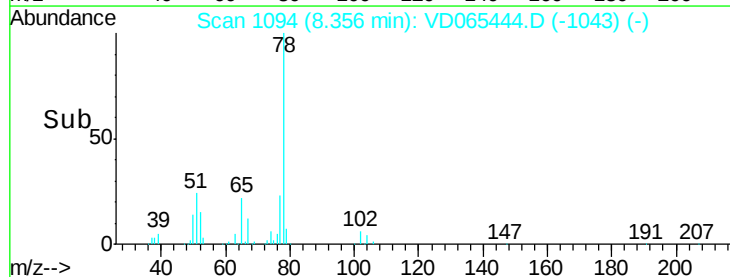
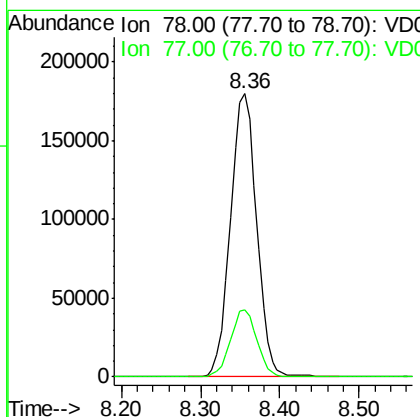
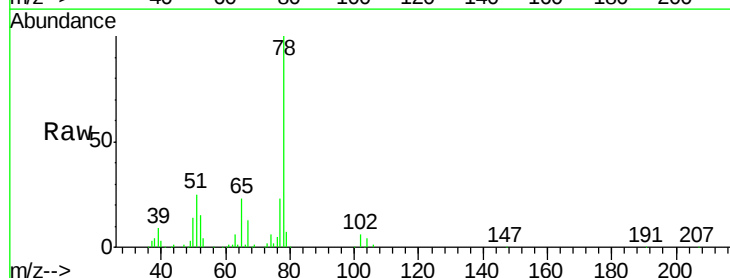
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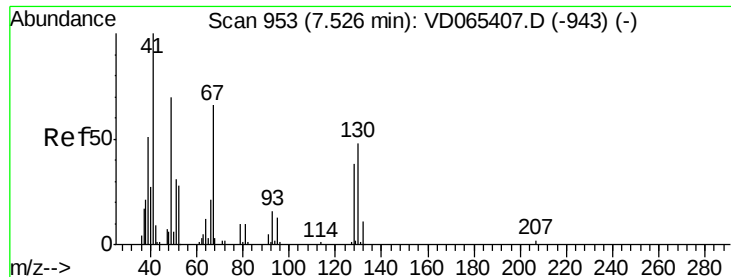
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#40
Benzene
Concen: 21.283 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





#41

Methacrylonitrile

Concen: 16.178 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

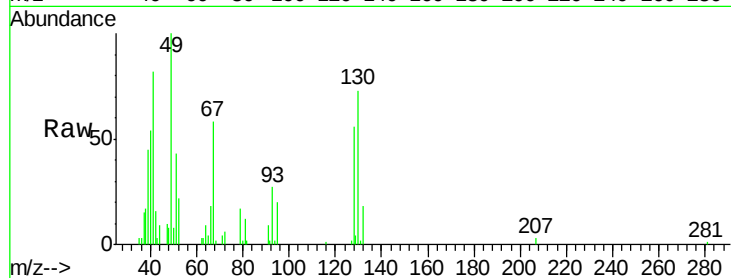
ClientSampleId :

VD0309SBS01

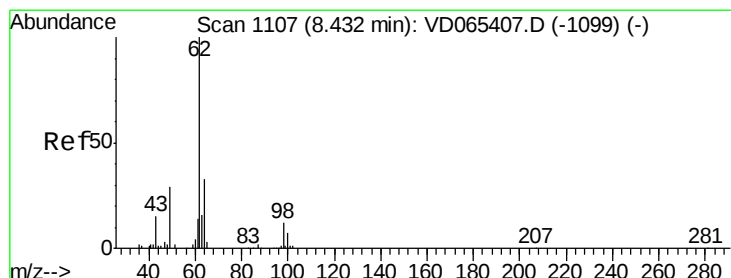
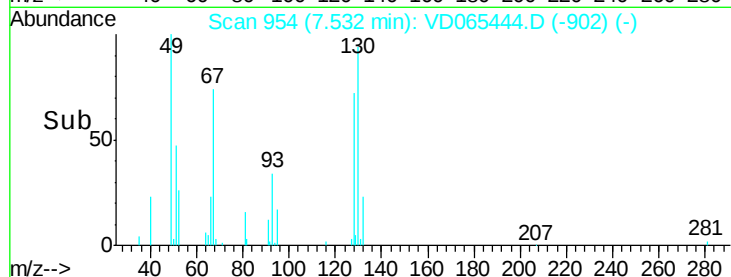
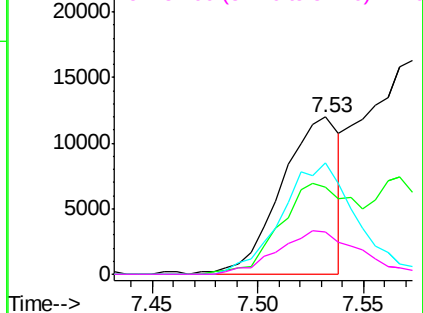
Tot Ion:	41	Resp:	22981
Ion	Ratio	Lower	Upper
41	100		
39	73.8	55.0	82.6
67	91.1	70.3	105.5
52	39.4	30.7	46.1

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.488 ug/l

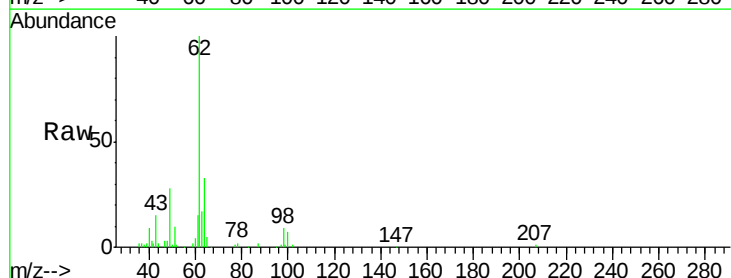
RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

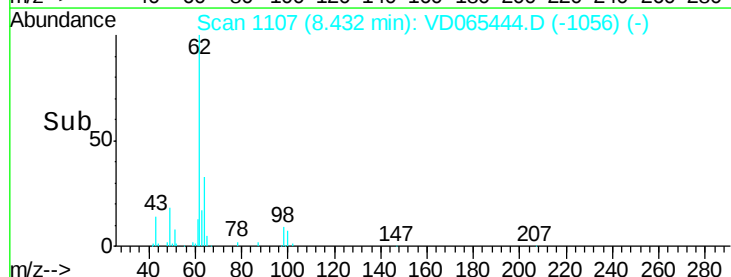
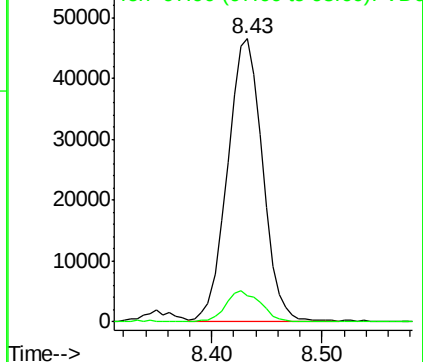
Lab File: VD065444.D

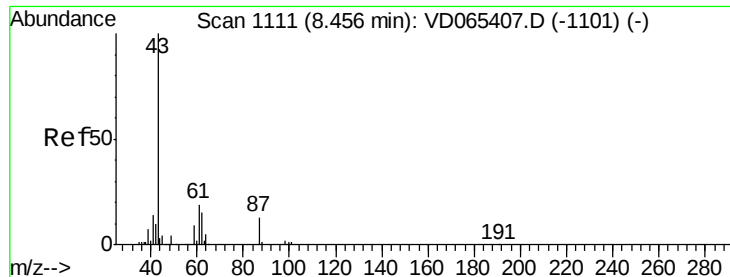
Acq: 09 Mar 2020 12:27

Tgt Ion:	62	Resp:	103945
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





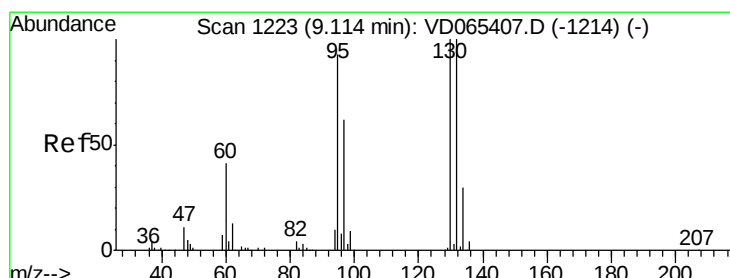
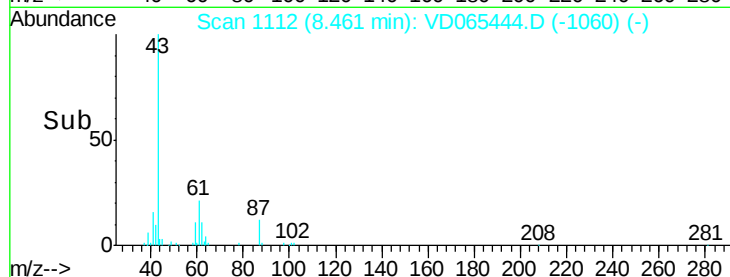
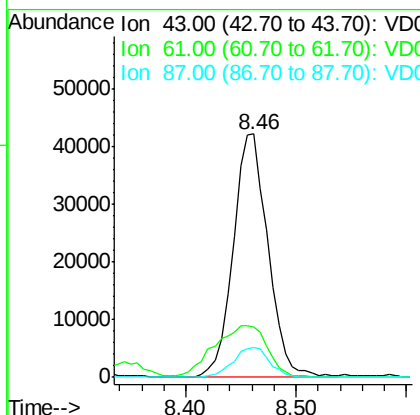
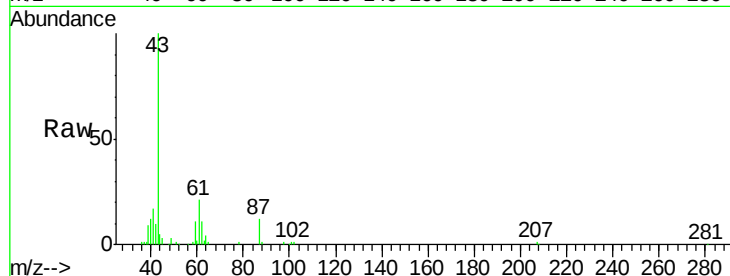
#43
Isopropyl Acetate
Concen: 18.812 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	25.0	37.6
87	12.7	11.0	16.4

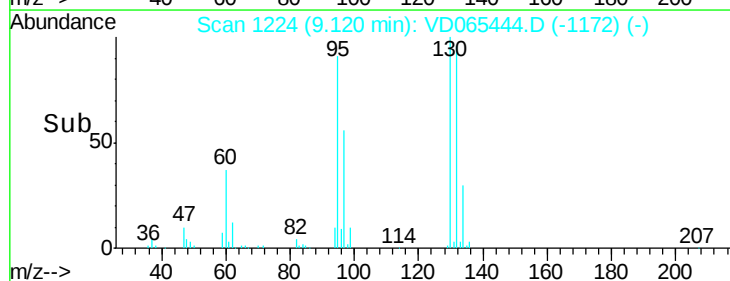
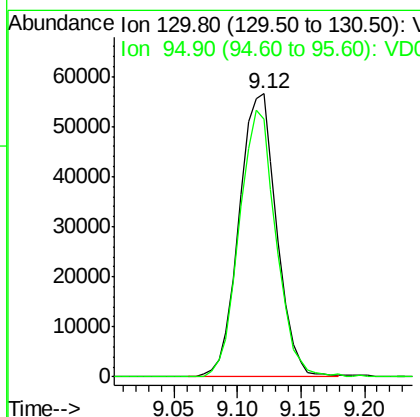
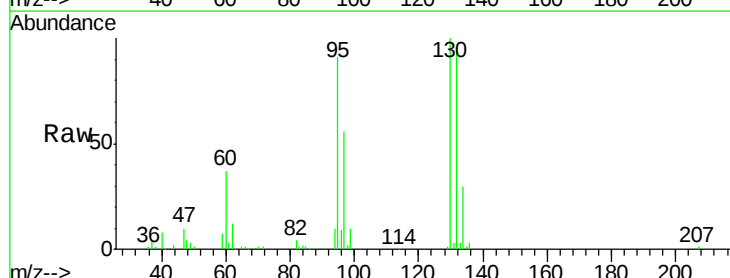
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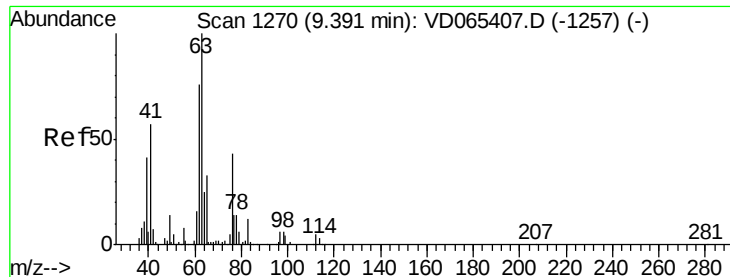
MMDadoda
3/10/2020 3:34:27 PM



#44
Trichloroethene
Concen: 21.237 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	186.0





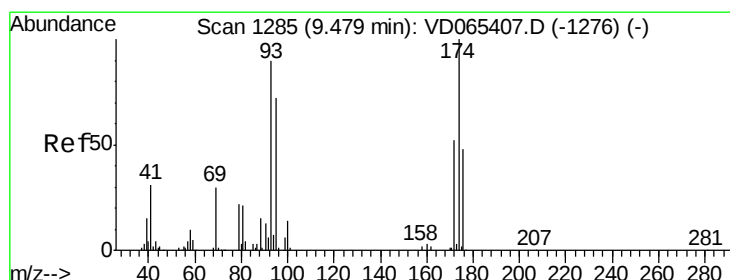
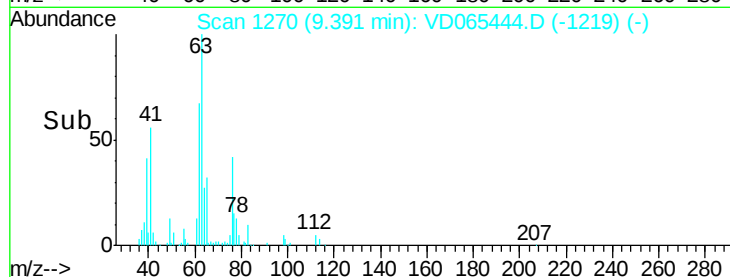
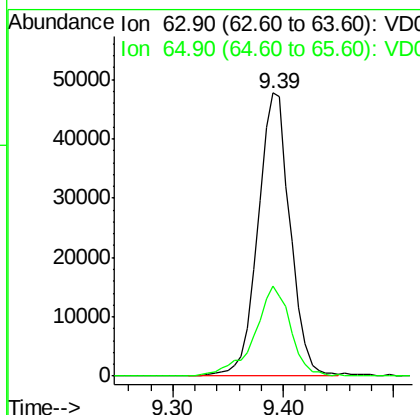
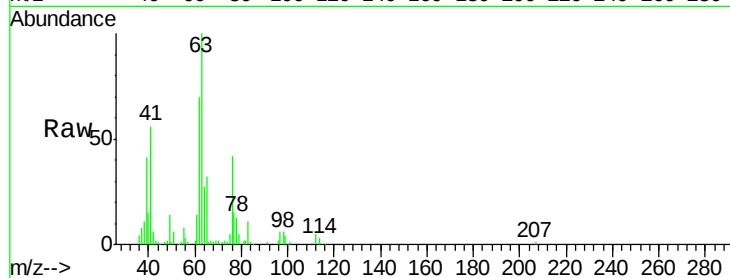
#45
 1,2-Dichloropropane
 Concen: 20.708 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBSD01

Tot Ion	63	Resp	97462
Ion Ratio	Lower	Upper	
63	100		
65	31.7	26.4	39.6

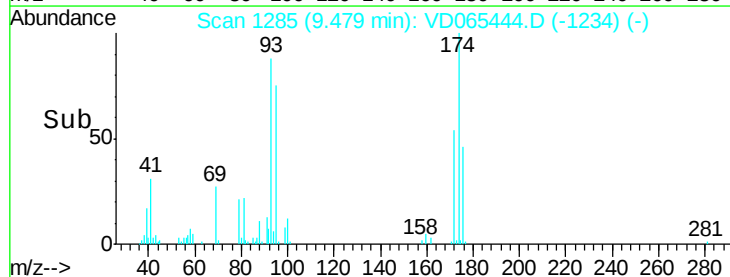
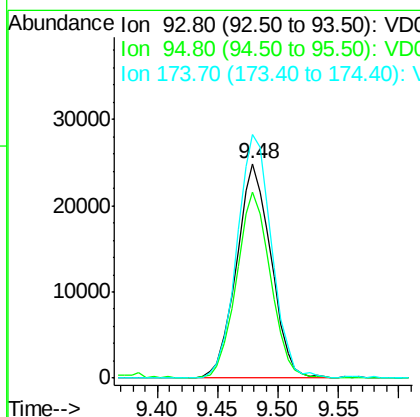
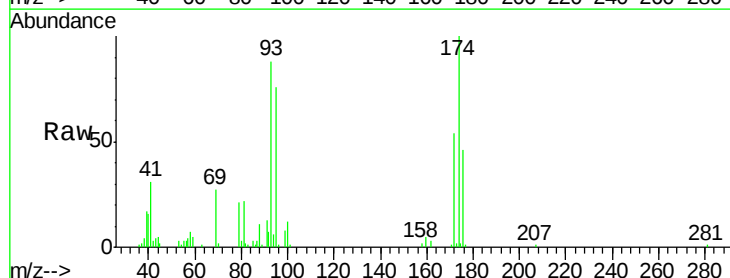
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 3/10/2020 3:34:27 PM



#46
 Dibromomethane
 Concen: 20.361 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	93	Resp	49706
Ion Ratio	Lower	Upper	
93	100		
95	85.3	65.0	97.6
174	114.0	88.3	132.5





#47

Bromodichloromethane

Concen: 21.075 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

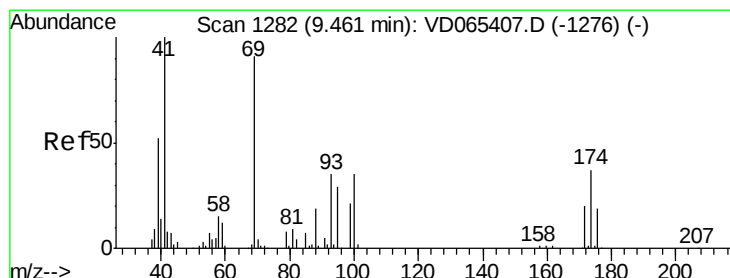
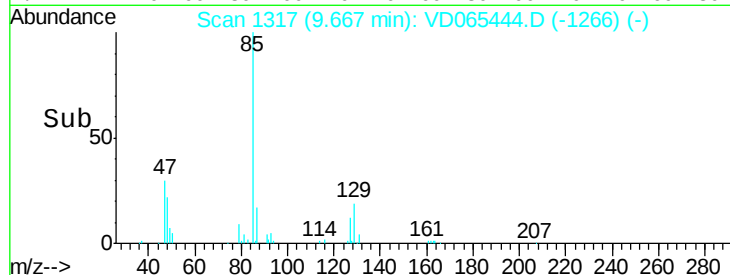
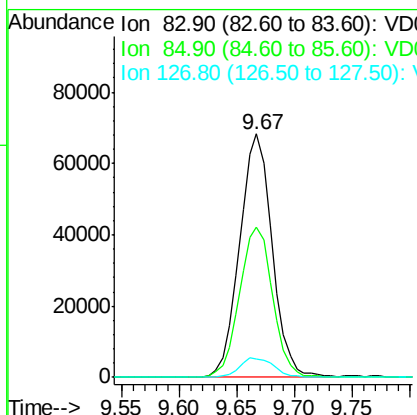
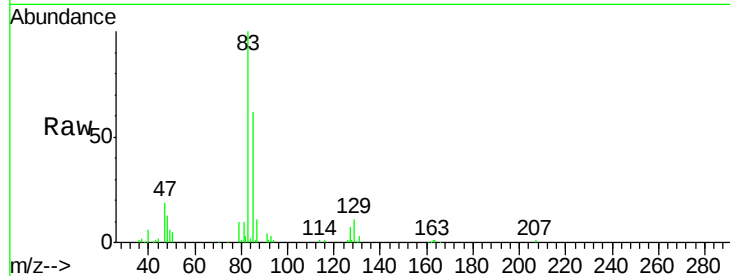
ClientSampleId :

VD0309SBSD01

Tot Ion:	83	Resp:	133850
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.8	79.2
127	7.4	8.0	12.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.187 ug/l

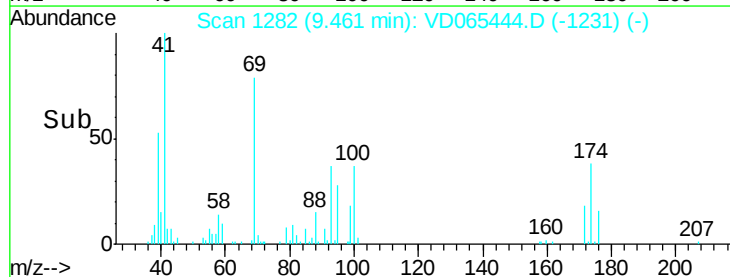
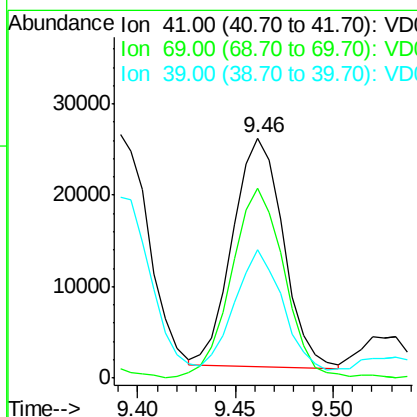
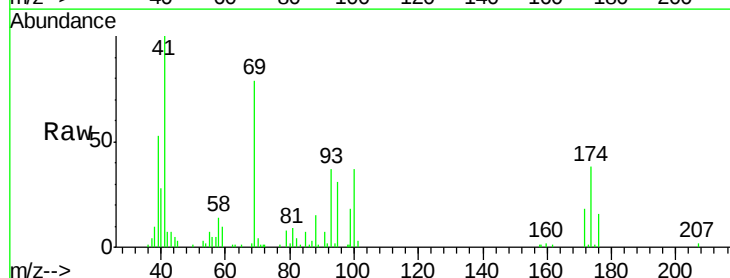
RT: 9.46 min Scan# 1282

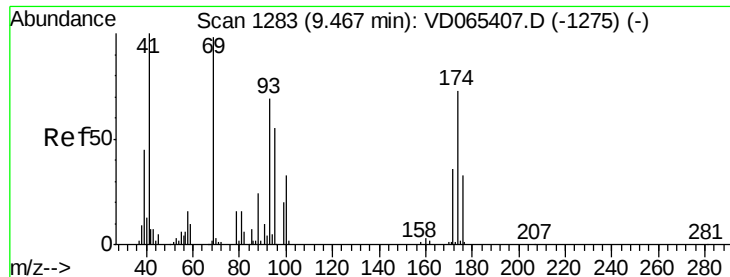
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	41	Resp:	44762
Ion	Ratio	Lower	Upper
41	100		
69	87.9	72.5	108.7
39	49.7	41.6	62.4





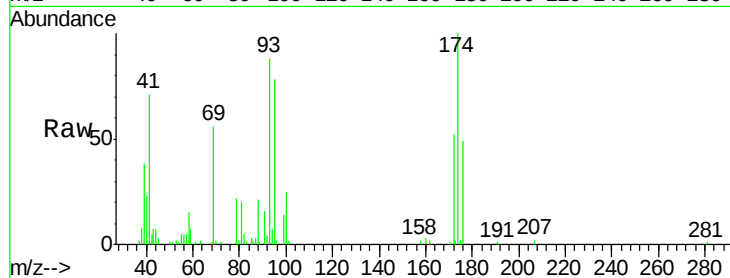
#49
1,4-Dioxane
Concen: 362.154 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	24.5	36.7#
58	75.7	54.5	81.7

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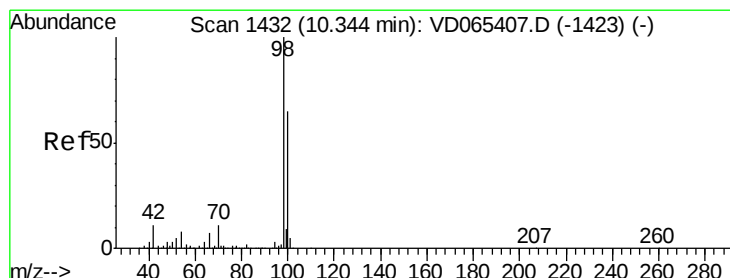
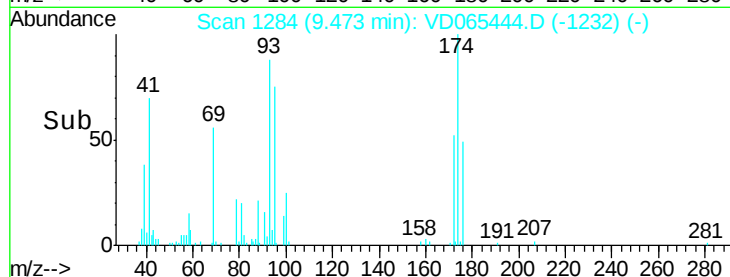
Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

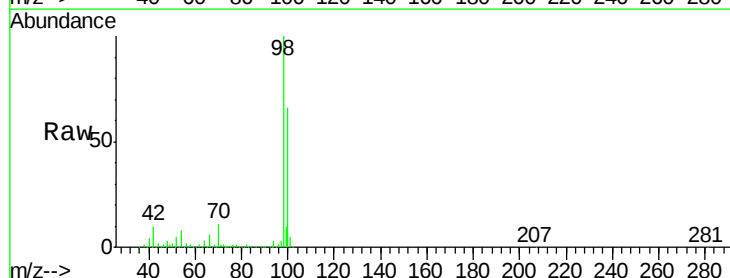
Ion 58.00 (57.70 to 58.70): VDC

Time-->



#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2

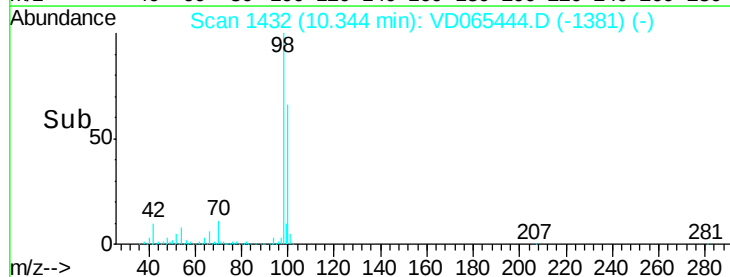


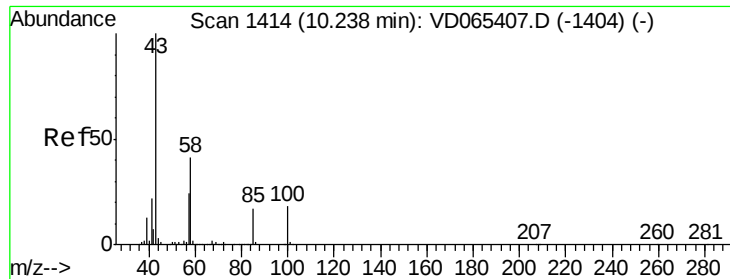
Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

Time-->





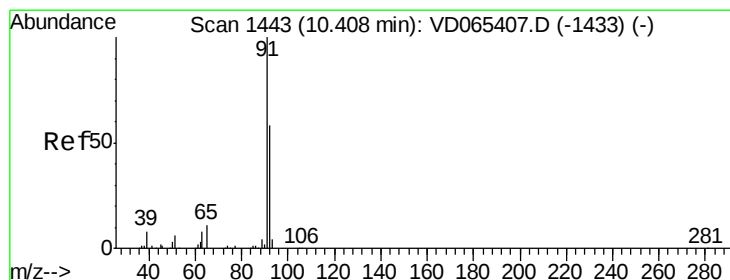
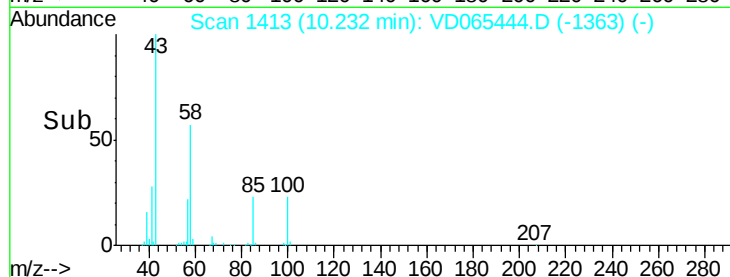
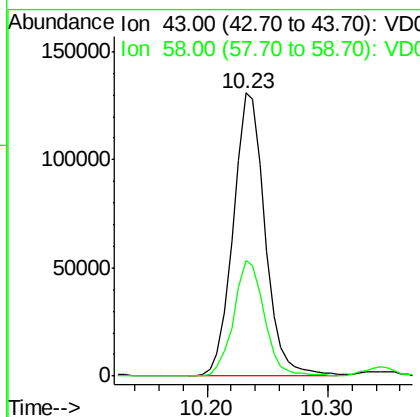
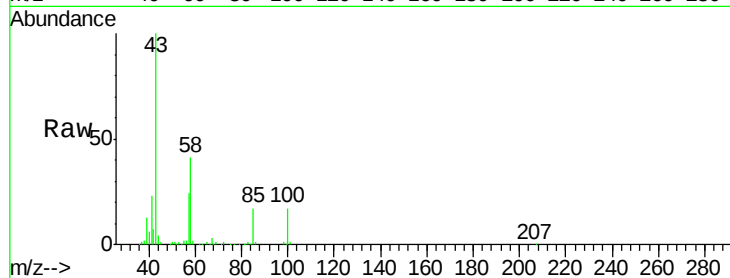
#51
4-Methyl-2-Pentanone
Concen: 96.679 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.8	47.6

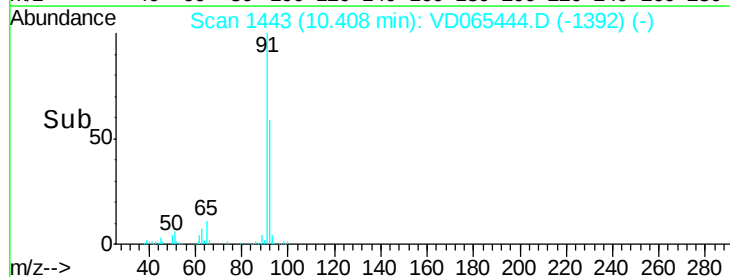
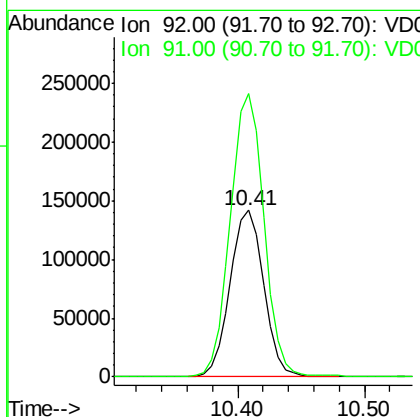
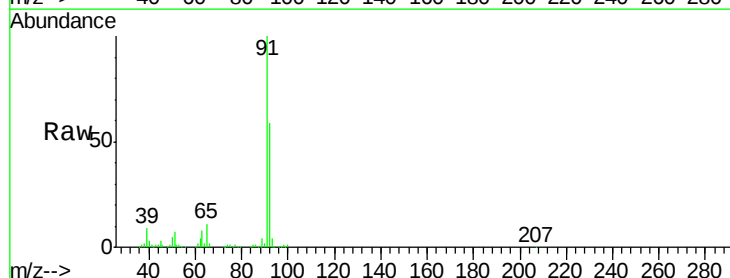
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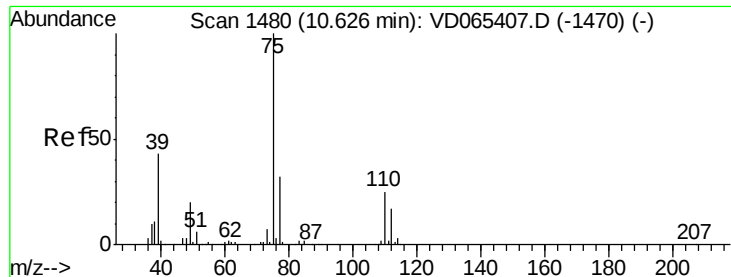
MMDadoda
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#52
Toluene
Concen: 21.367 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.8	206.8





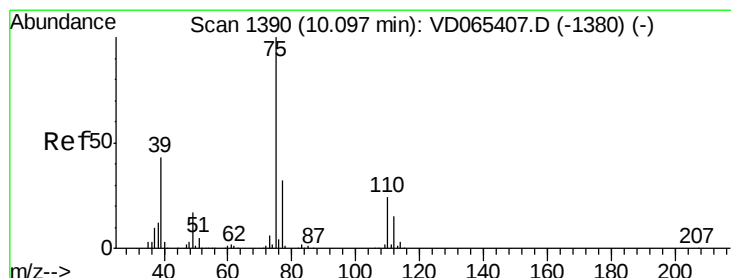
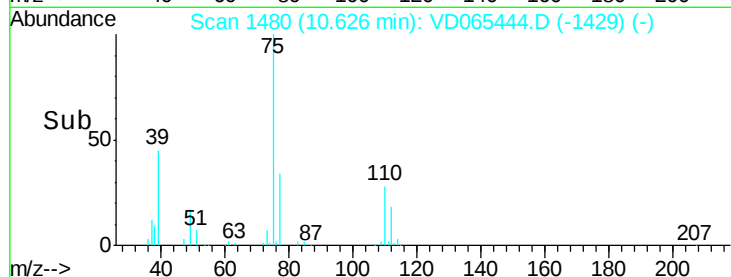
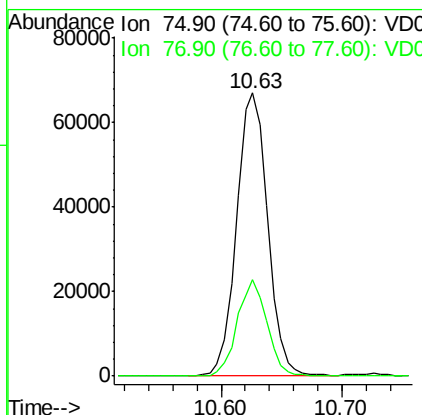
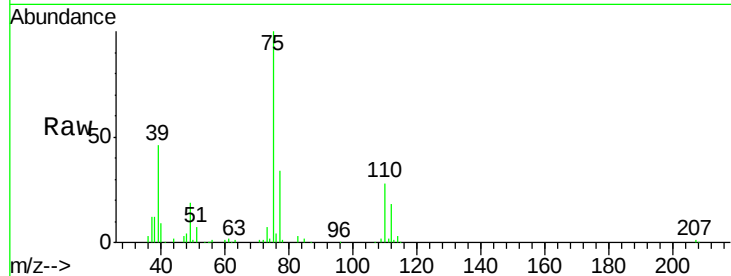
#53
t-1,3-Dichloropropene
Concen: 20.335 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion	75	Resp	120692
Ion Ratio	Lower	Upper	
75	100		
77	33.9	25.4	38.2

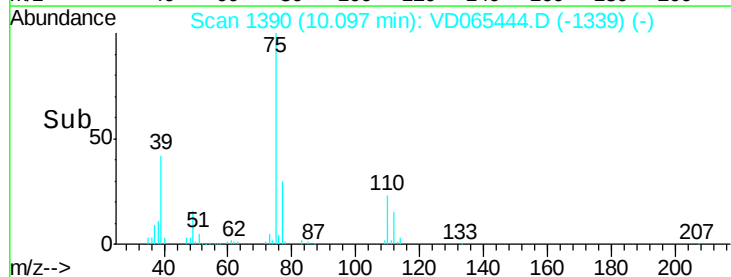
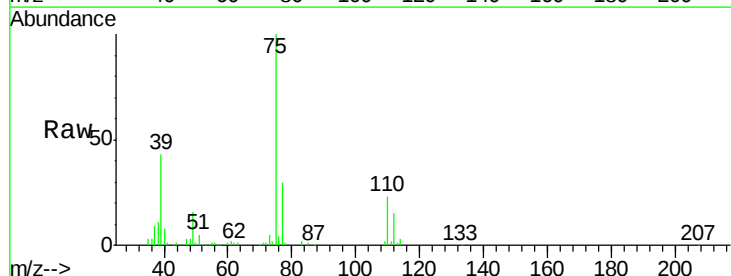
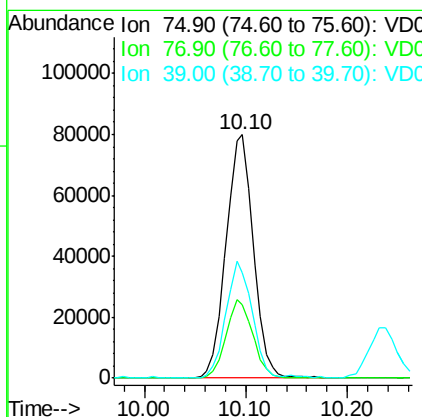
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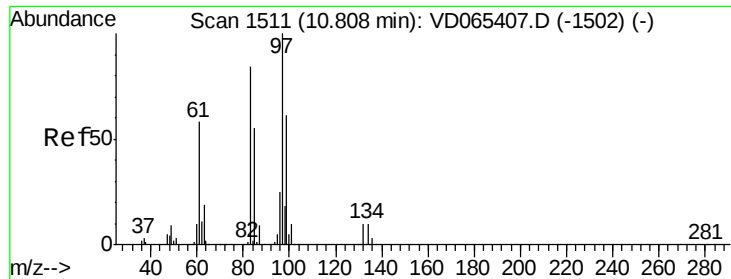
MMDadoda
3/10/2020 3:34:27 PM



#54
cis-1,3-Dichloropropene
Concen: 20.822 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	75	Resp	149585
Ion Ratio	Lower	Upper	
75	100		
77	30.4	25.3	37.9
39	42.8	34.6	52.0





#55

1,1,2-Trichloroethane

Concen: 20.235 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

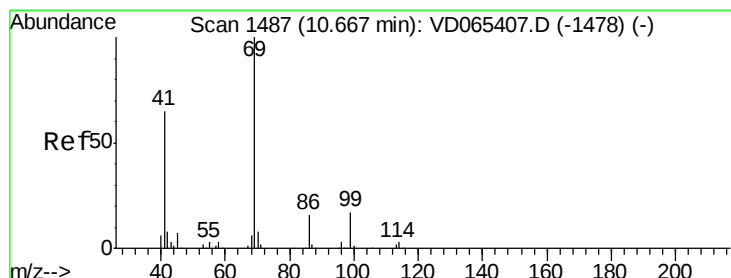
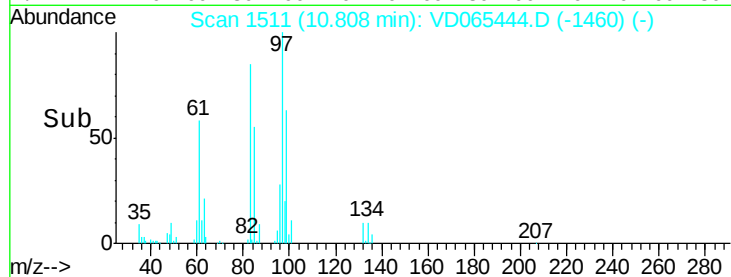
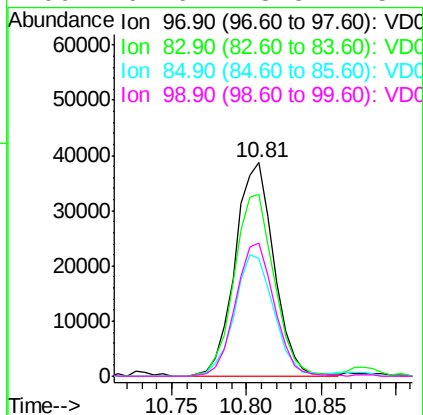
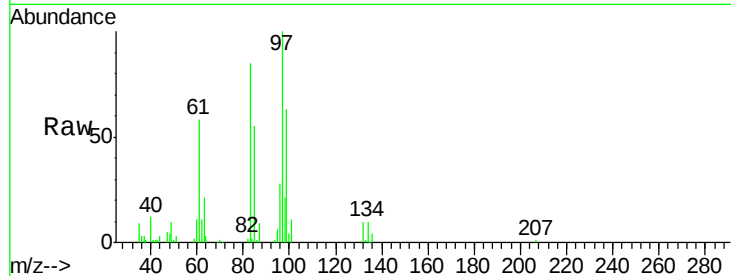
ClientSampleId :

VD0309SBS01

Tot Ion:	97	Resp:	69967
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.4	101.0
85	55.0	43.8	65.8
99	62.6	48.8	73.2

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#56

Ethyl methacrylate

Concen: 19.058 ug/l

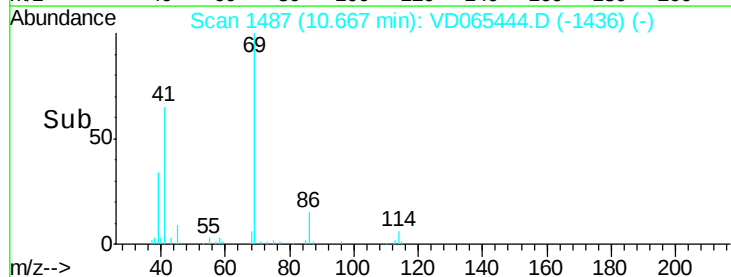
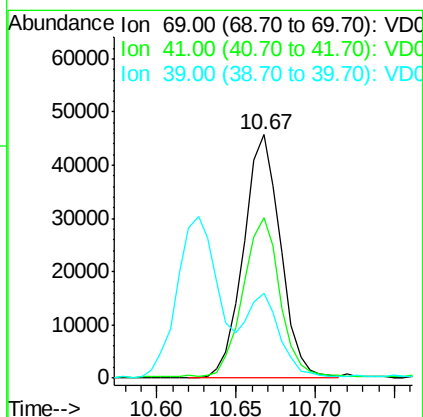
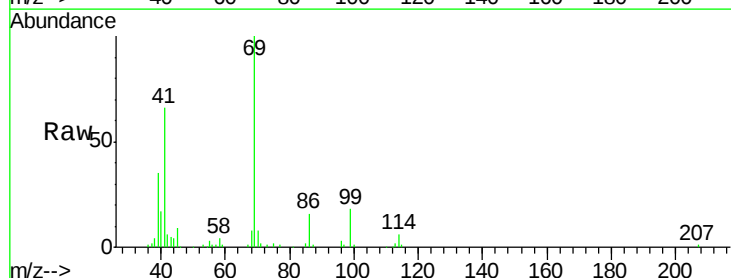
RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	69	Resp:	74289
Ion	Ratio	Lower	Upper
69	100		
41	68.5	53.0	79.6
39	30.5	26.0	39.0





#57

1,3-Dichloropropane

Concen: 20.693 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 76 Resp: 121058

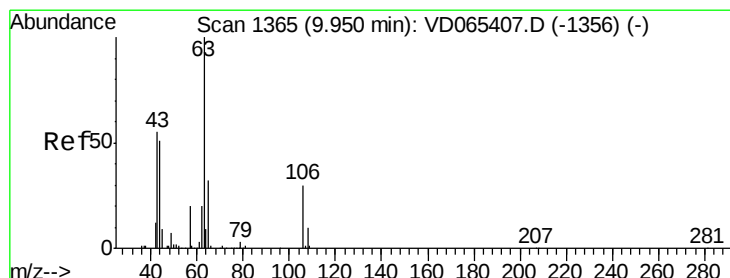
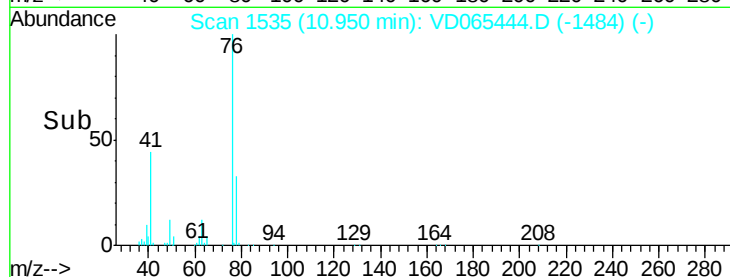
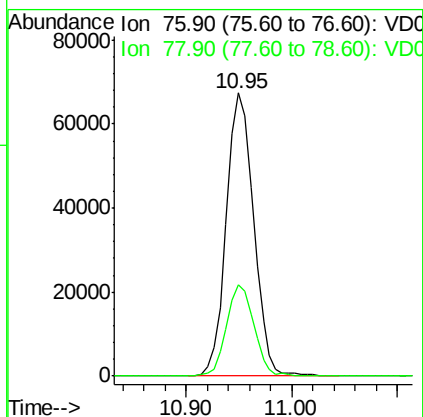
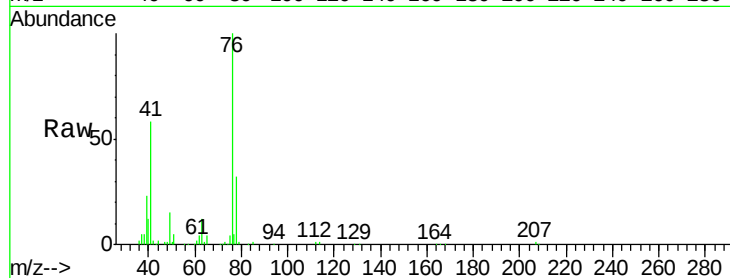
Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0

Manual Integrations
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3/10/2020 3:34:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 109.384 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065444.D

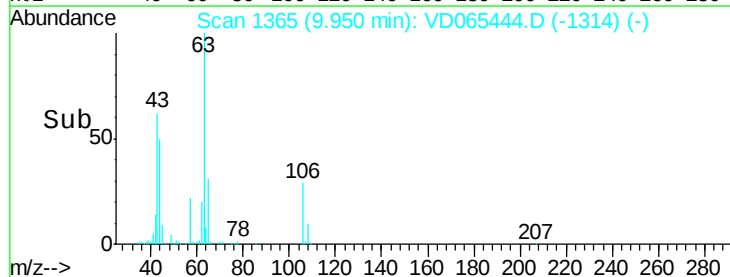
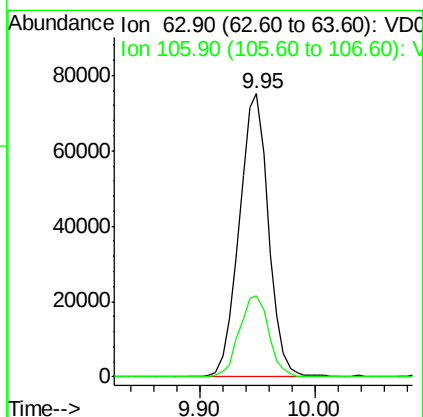
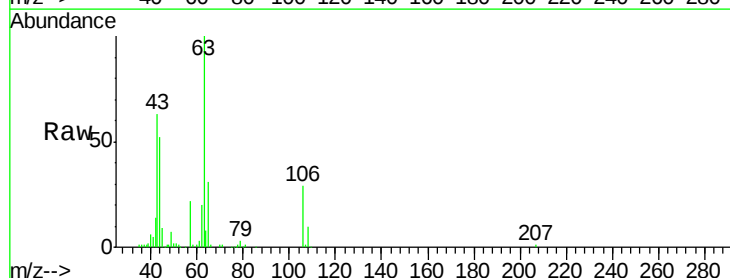
Acq: 09 Mar 2020 12:27

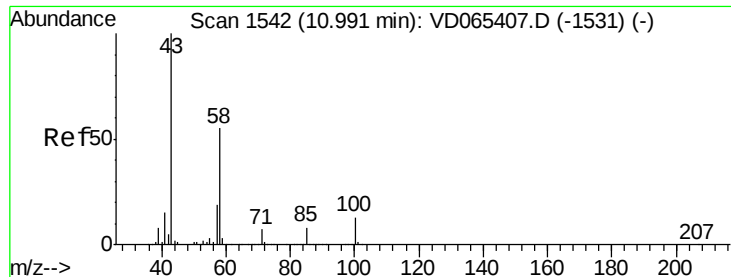
Tgt Ion: 63 Resp: 131753

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9





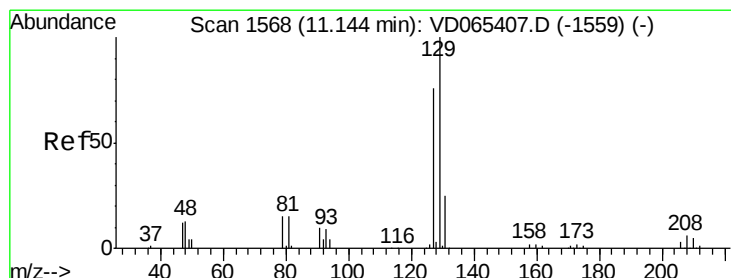
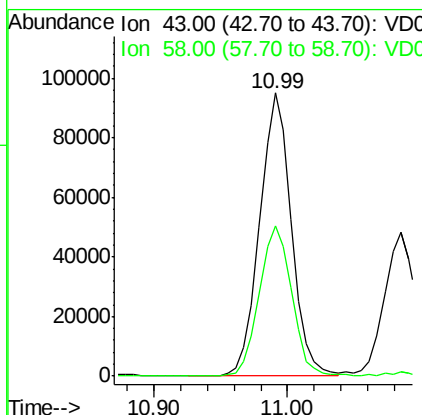
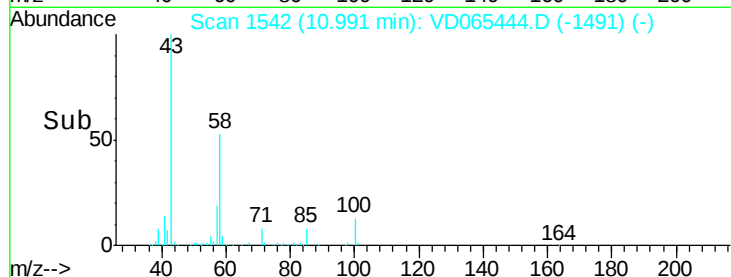
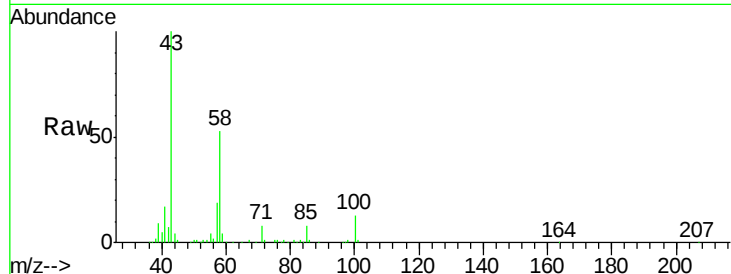
#59
2-Hexanone
Concen: 90.132 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion: 43 Resp: 155715
Ion Ratio Lower Upper
43 100
58 54.6 27.4 82.2

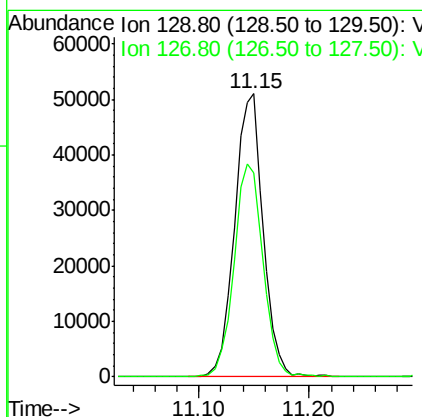
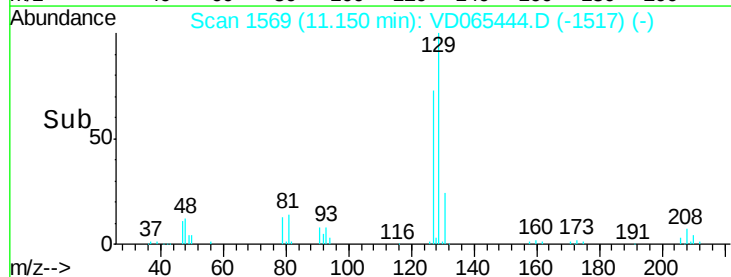
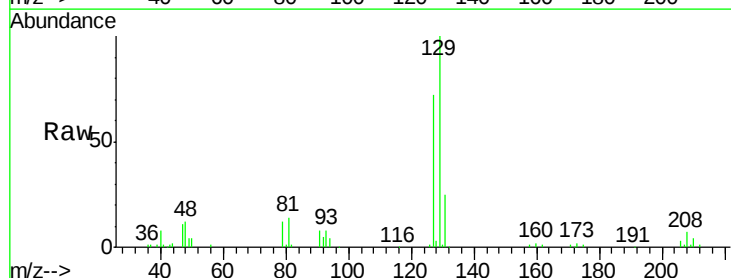
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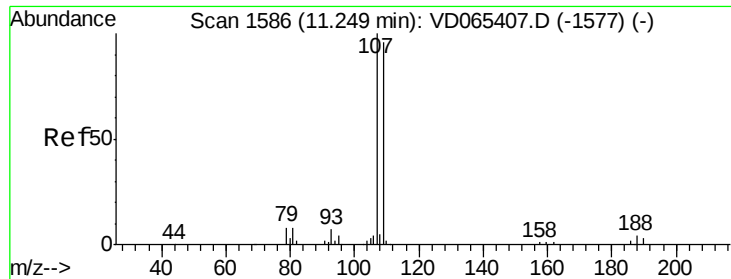
MMDadoda
3/10/2020 3:34:27 PM



#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 129 Resp: 92335
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





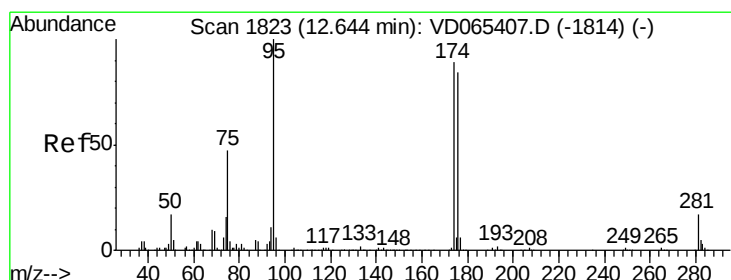
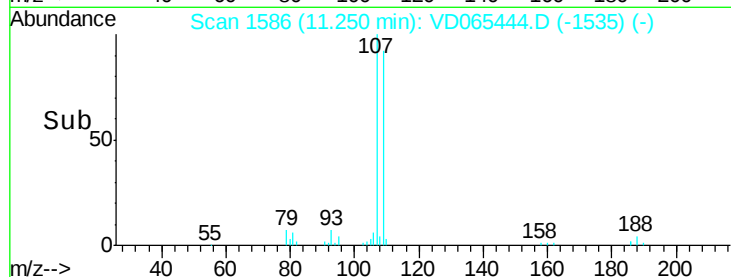
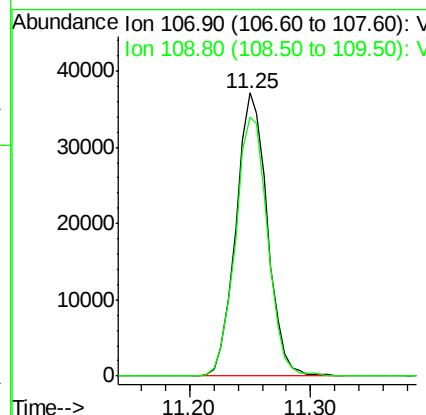
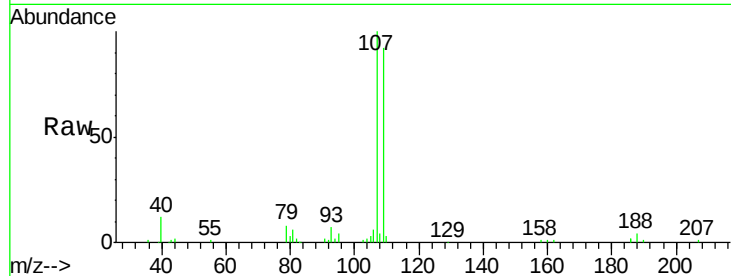
#61
 1,2-Dibromoethane
 Concen: 20.380 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.8	115.2

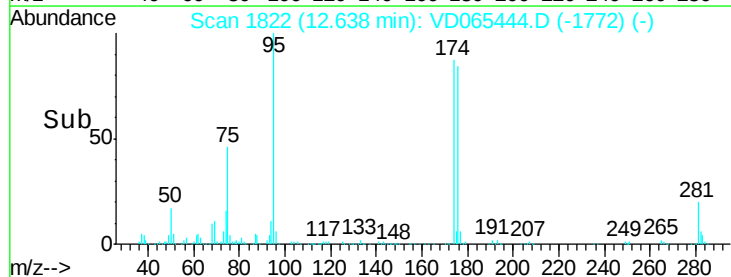
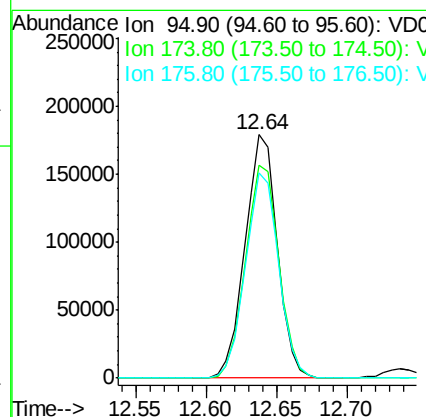
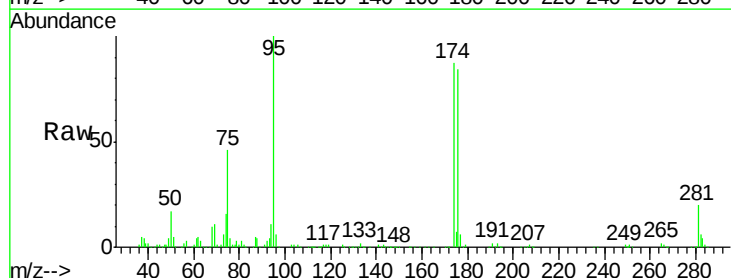
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#62
 4-Bromofluorobenzene
 Concen: 54.158 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	176.8
176	86.6	0.0	171.4





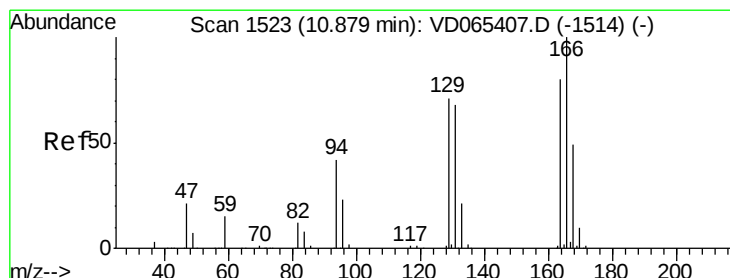
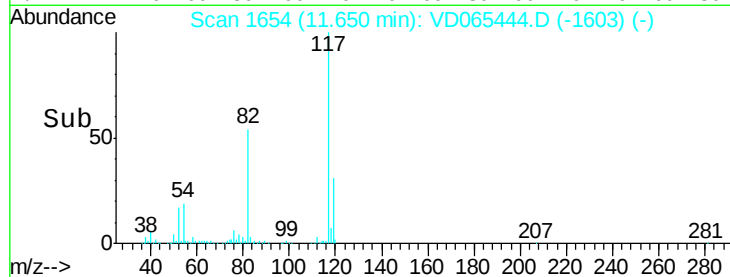
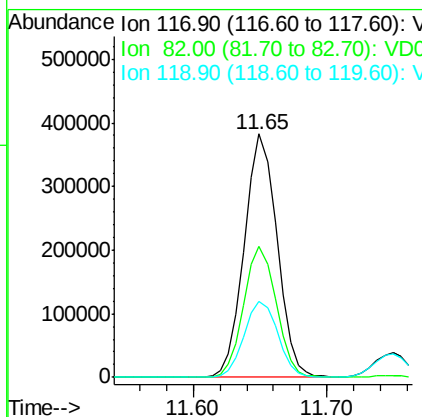
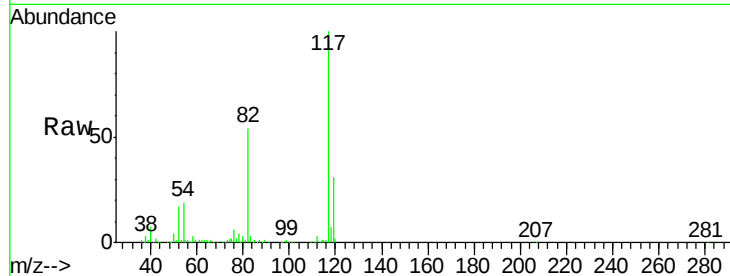
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	652524		
82	53.6		40.6	60.8
119	31.2		25.4	38.2

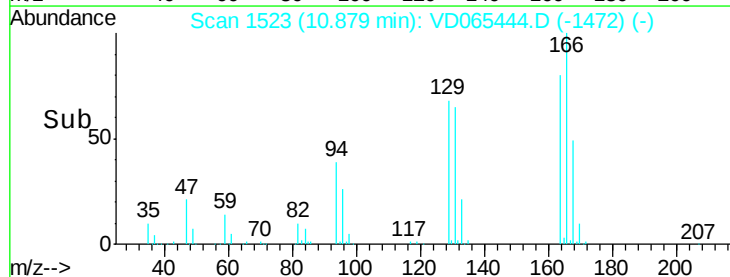
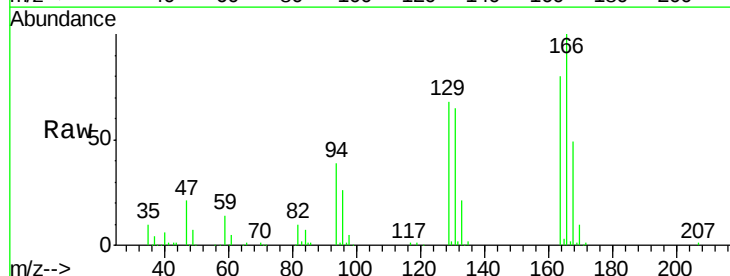
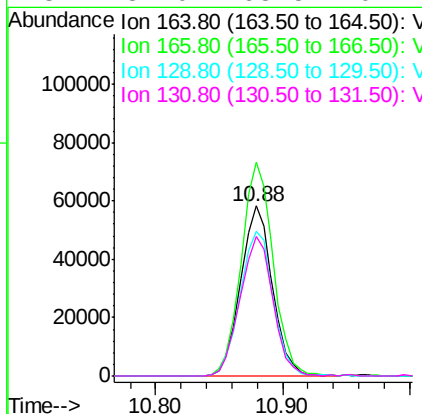
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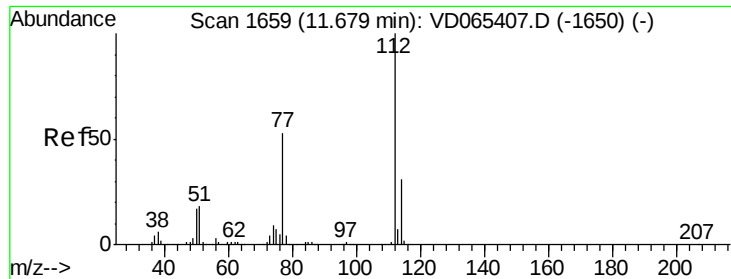
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#64
Tetrachloroethene
Concen: 21.656 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101257		
166	125.6		100.5	150.7
129	84.9		71.5	107.3
131	82.0		68.5	102.7





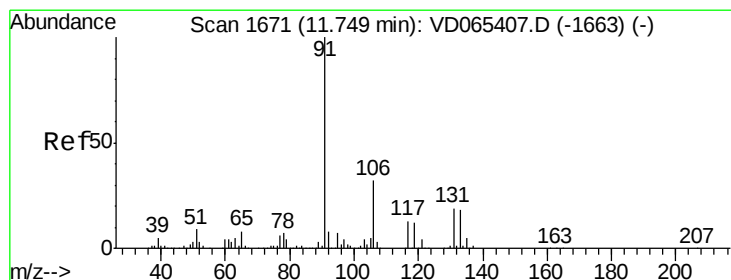
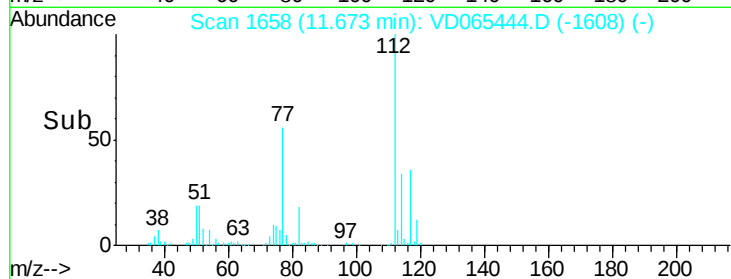
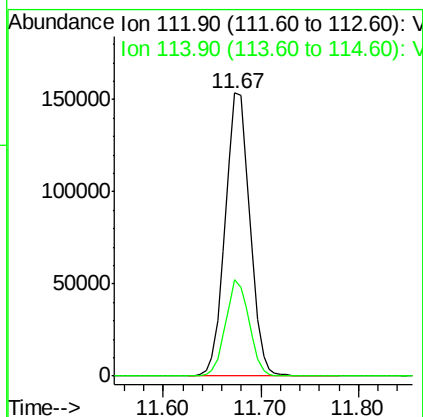
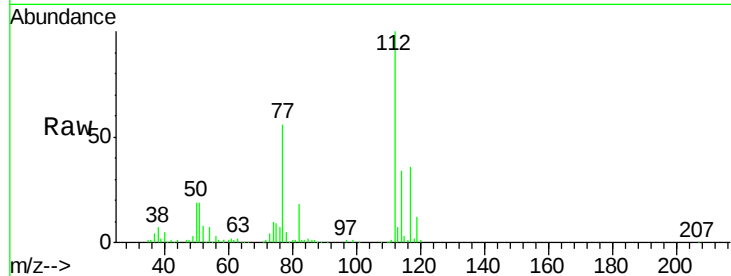
#65
Chlorobenzene
Concen: 20.974 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	24.4	36.6

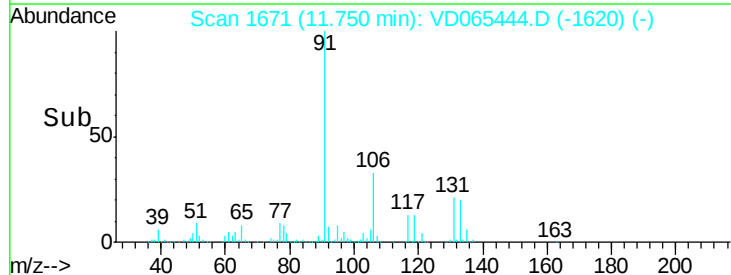
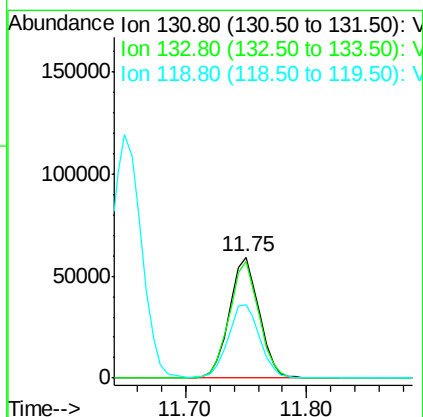
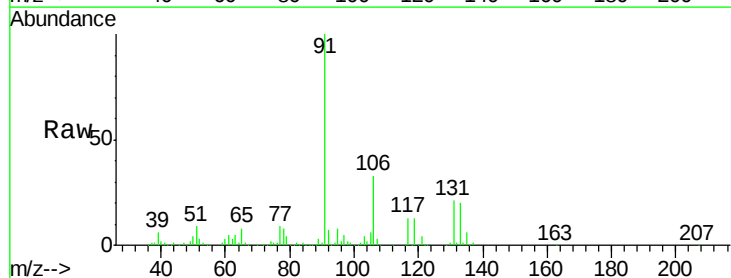
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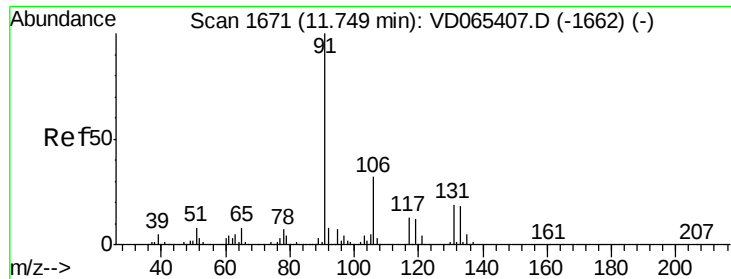
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.692 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	49.2	147.6
119	65.0	33.3	99.8





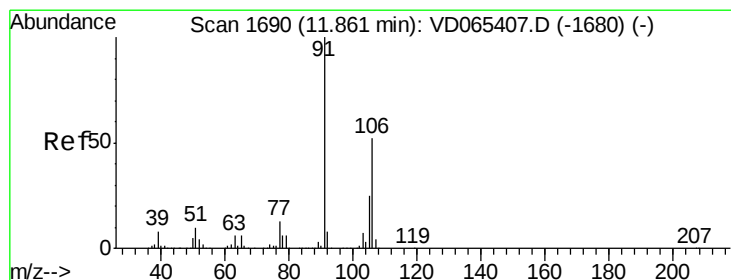
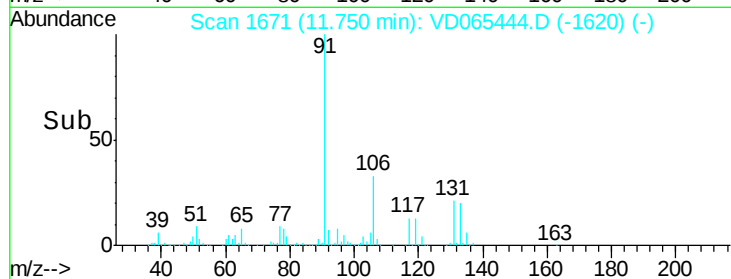
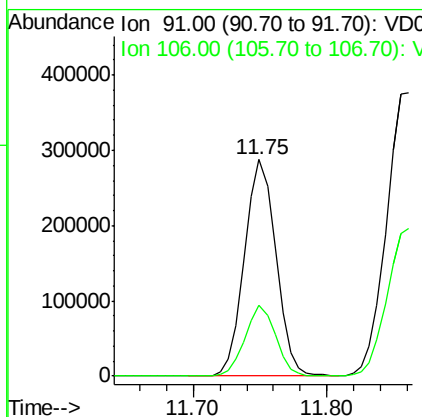
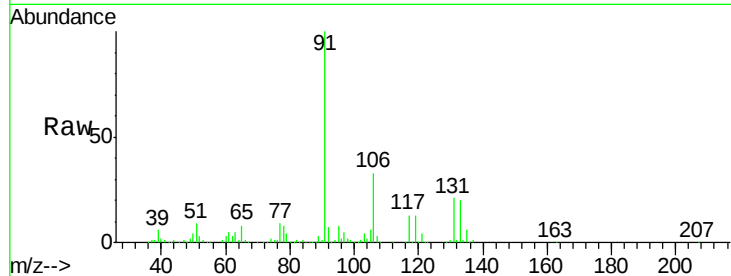
#67
Ethyl Benzene
Concen: 21.088 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion: 91 Resp: 470502
Ion Ratio Lower Upper
91 100
106 32.7 25.2 37.8

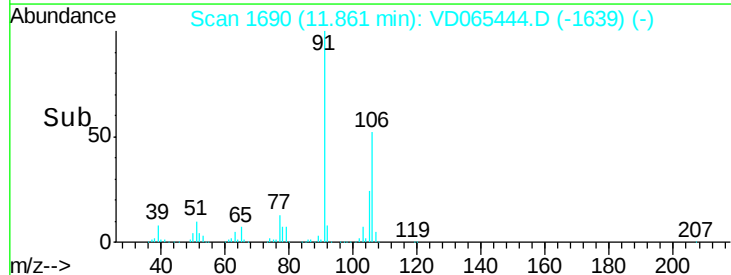
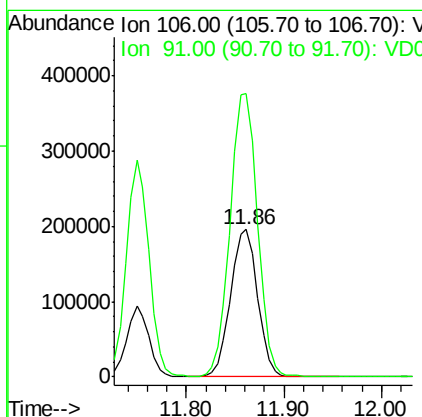
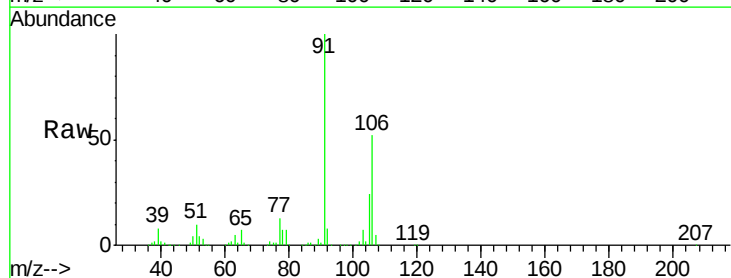
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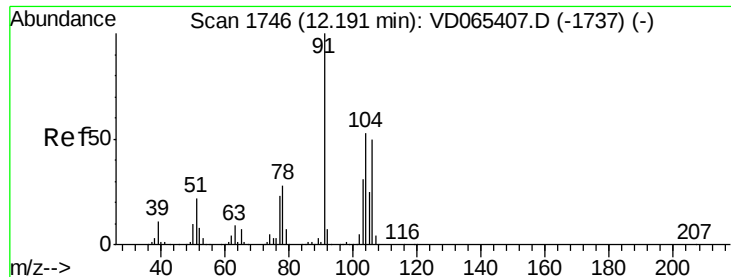
MMDadoda
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#68
m/p-Xylenes
Concen: 43.634 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 106 Resp: 375385
Ion Ratio Lower Upper
106 100
91 195.4 155.9 233.9





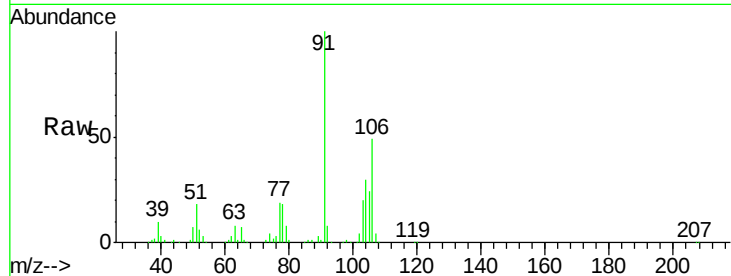
#69
o-Xylene
Concen: 21.167 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

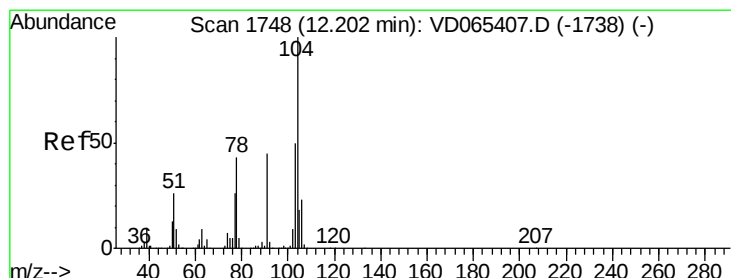
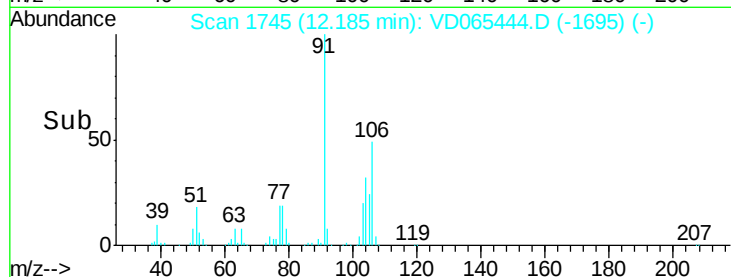
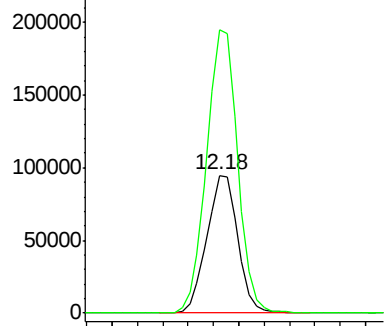
Tot Ion	Ratio	Resp	Lower	Upper
106	100	160184		
91	206.7	103.5	310.3	

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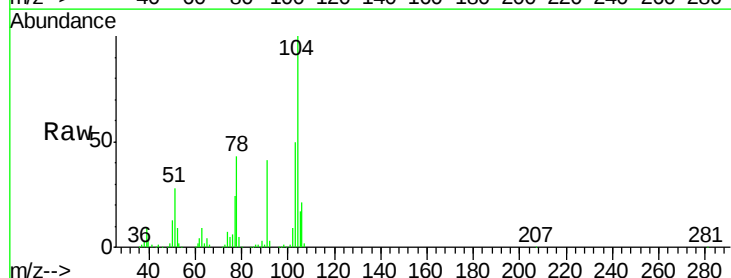


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

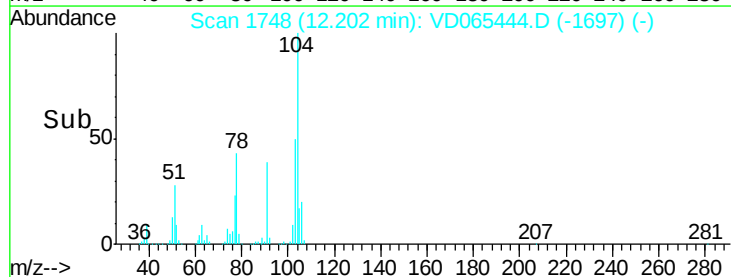
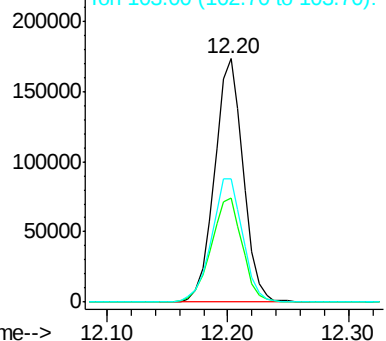


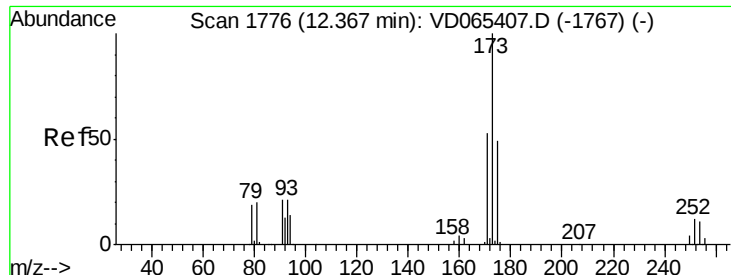
#70
Styrene
Concen: 21.491 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	286228		
78	46.6	37.7	56.5	
103	55.0	43.6	65.4	



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





#71

Bromoform

Concen: 20.851 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

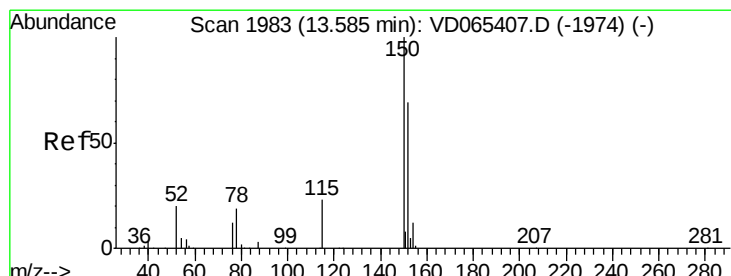
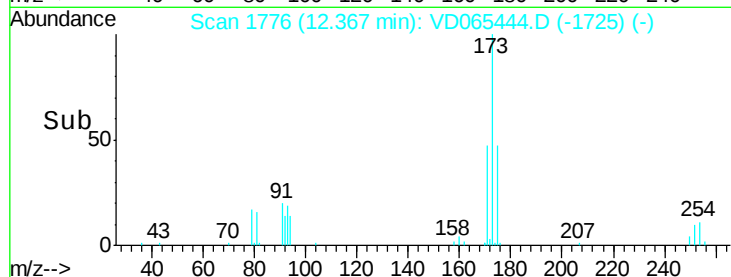
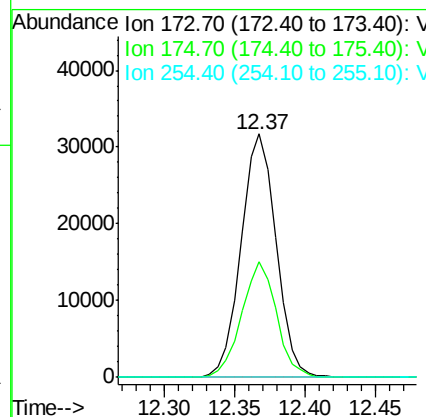
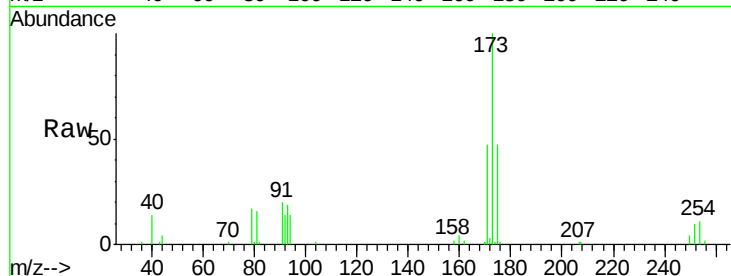
ClientSampleId :

VD0309SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.3	73.0
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

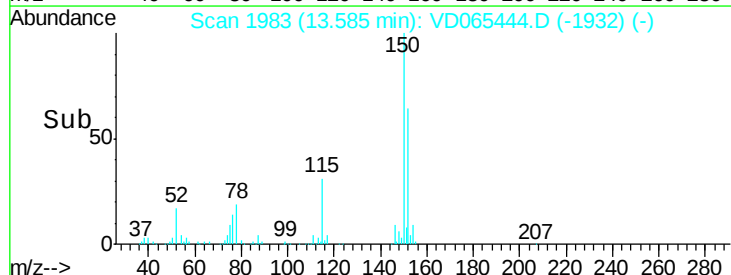
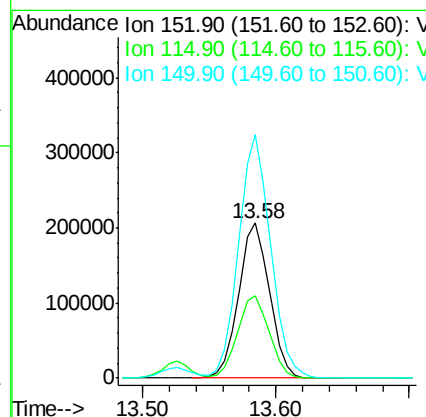
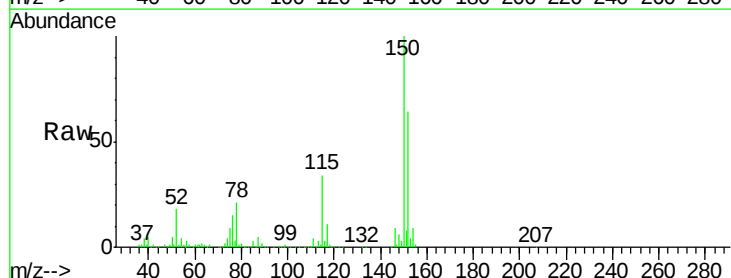
RT: 13.58 min Scan# 1983

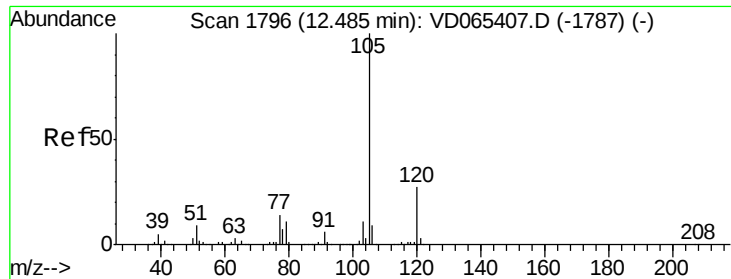
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.6	82.8
150	163.2	0.0	345.0





#73

Isopropylbenzene

Concen: 20.446 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion: 105 Resp: 443434

Ion Ratio Lower Upper

105 100

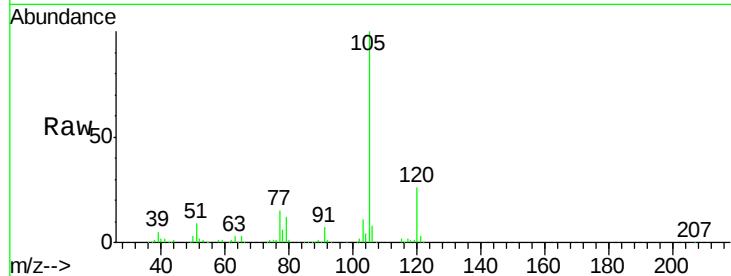
120 26.8 13.5 40.4

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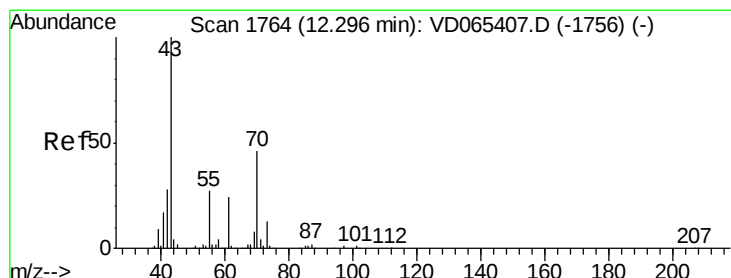
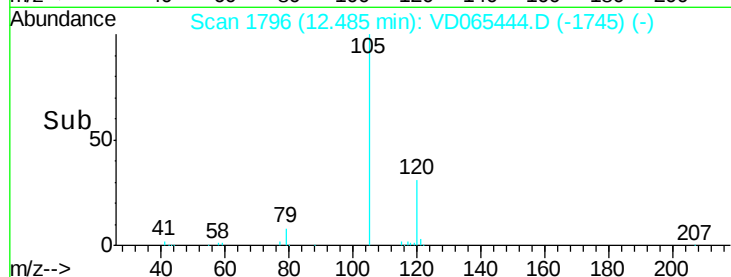
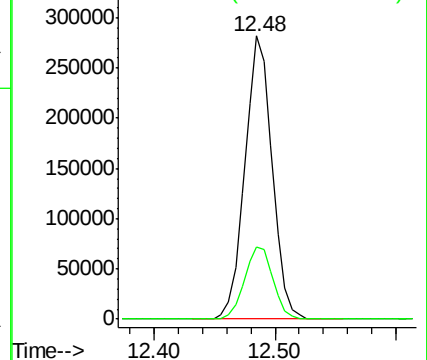
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.401 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion: 43 Resp: 81700

Ion Ratio Lower Upper

43 100

70 44.4 36.1 54.1

55 29.0 21.6 32.4

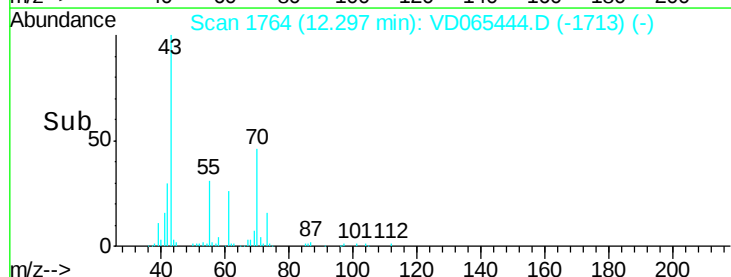
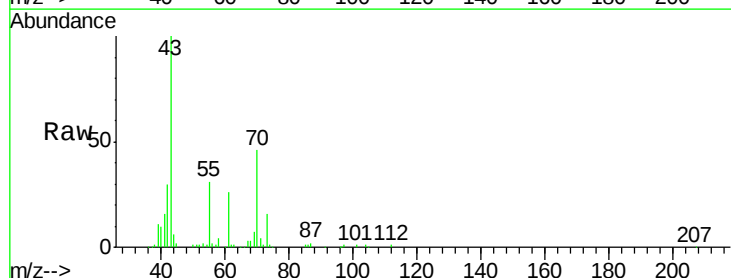
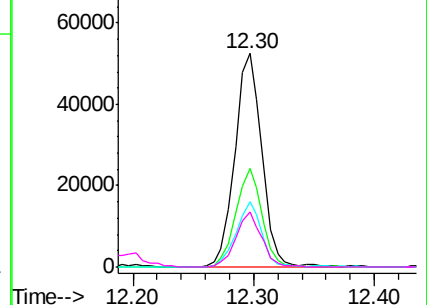
61 24.4 19.6 29.4

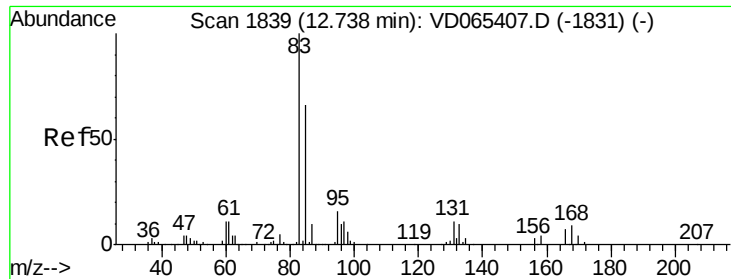
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.235 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

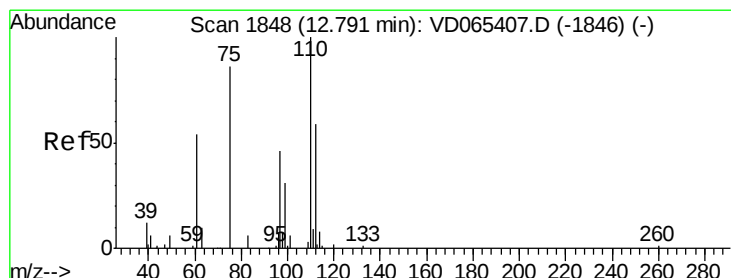
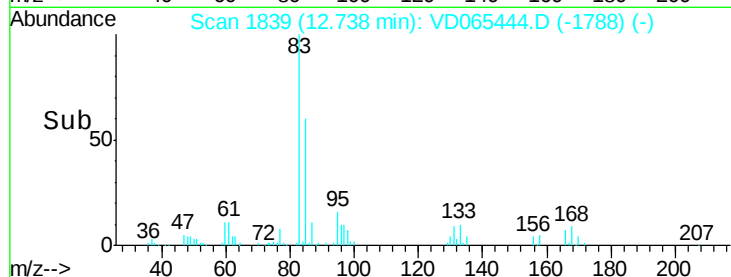
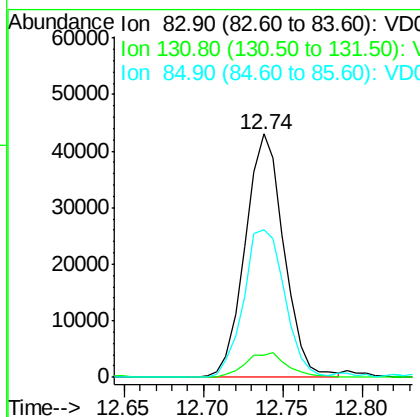
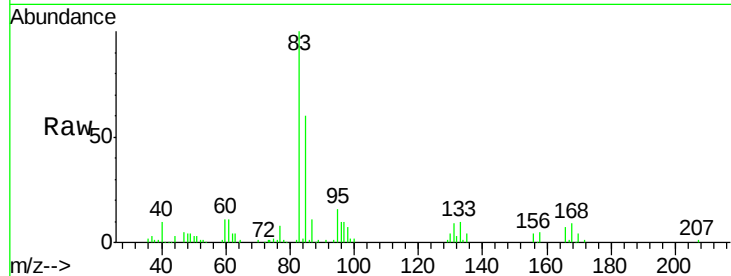
ClientSampleId :

VD0309SBS01

Tot Ion:	83	Resp:	73330
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.4	16.2
85	64.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 18.290 ug/l m

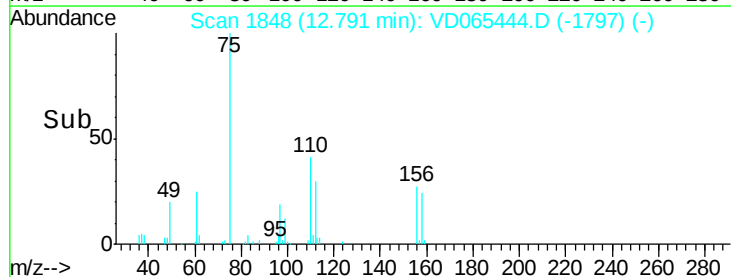
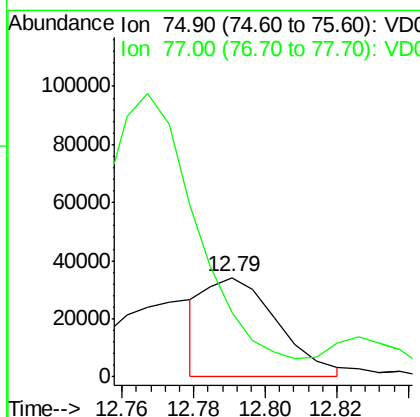
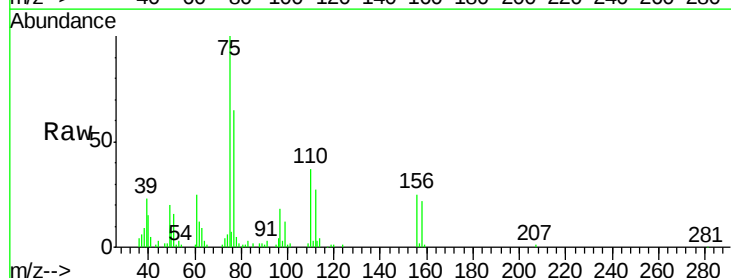
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	75	Resp:	47587
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.675 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

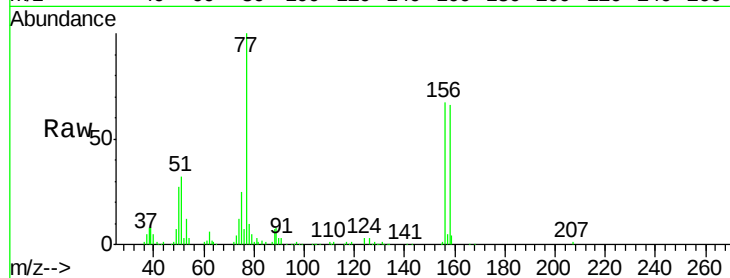
ClientSampleId :

VD0309SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.2	84.9	254.6
158	97.0	49.0	147.2

Manual Integrations
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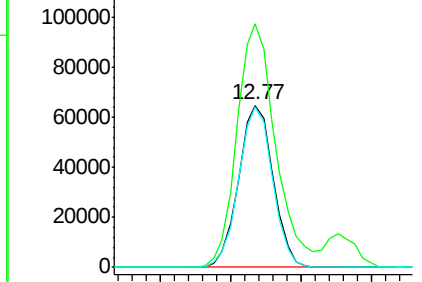
MMDadoda
3/10/2020 3:34:27 PM



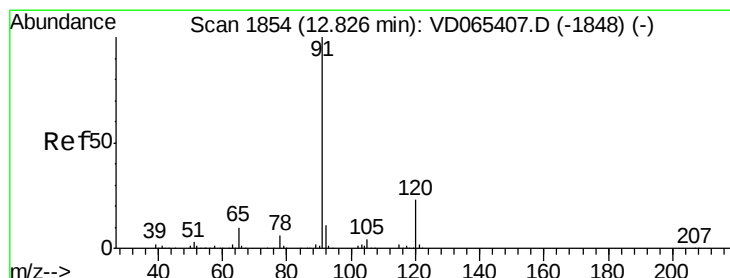
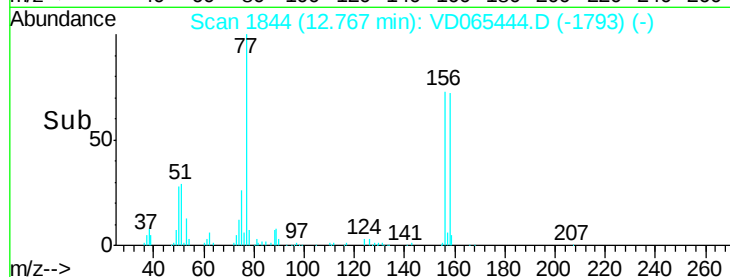
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.255 ug/l

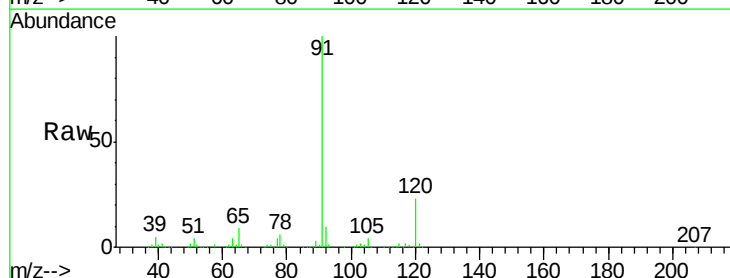
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065444.D

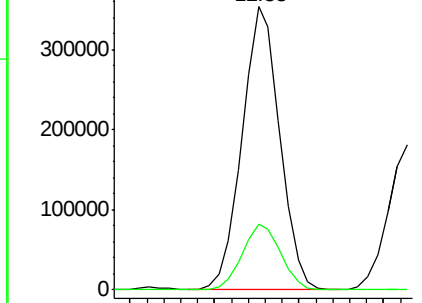
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5

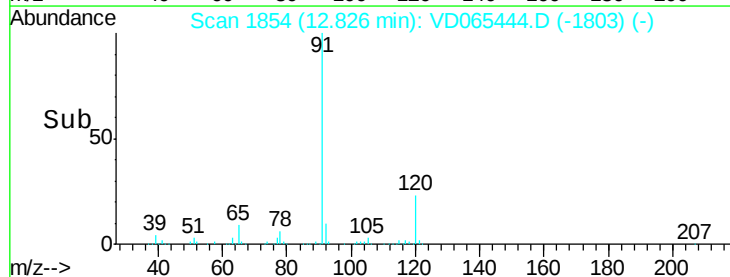


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





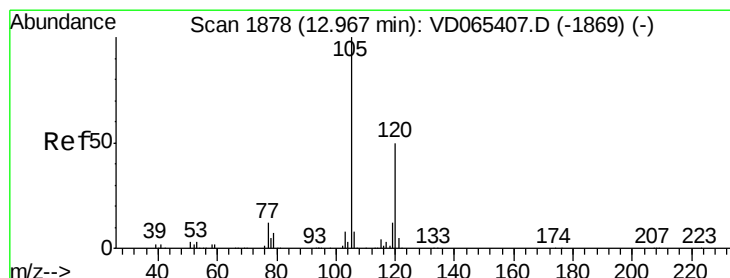
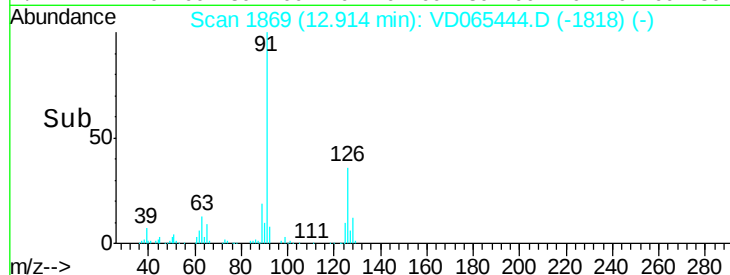
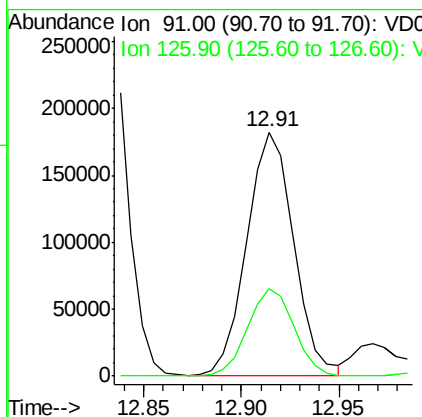
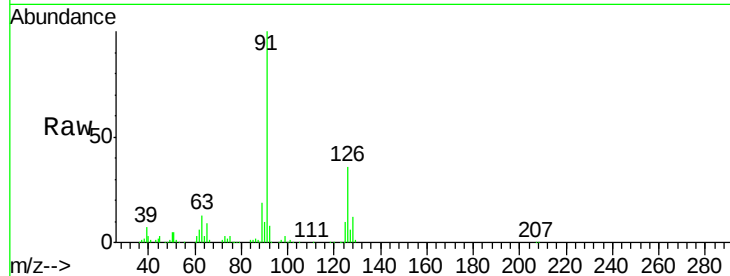
#79
2-Chlorotoluene
Concen: 20.919 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBSD01

Tot Ion: 91 Resp: 303385
Ion Ratio Lower Upper
91 100
126 35.7 17.9 53.8

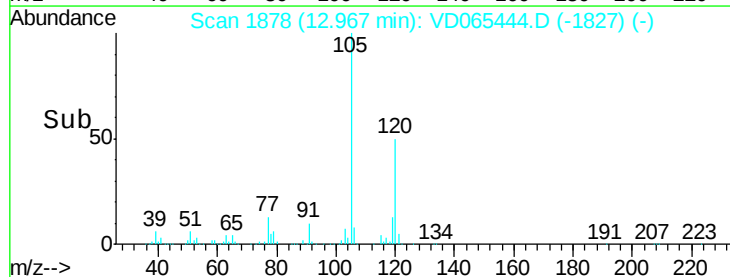
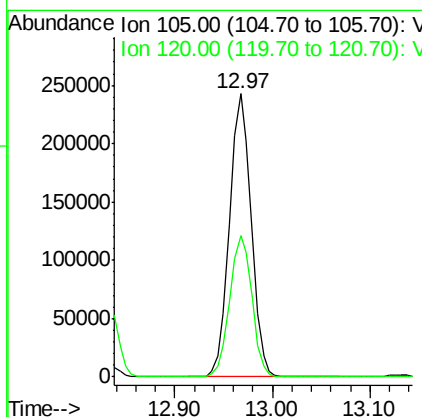
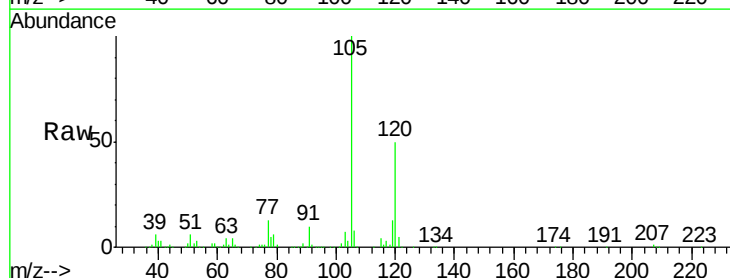
Manual Integrations
APPROVED

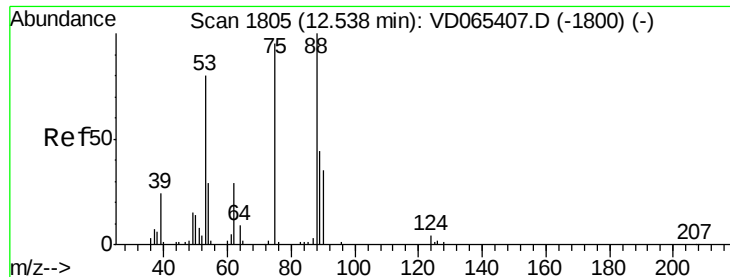
MMDadoda
3/10/2020 3:34:27 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.030 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion: 105 Resp: 374965
Ion Ratio Lower Upper
105 100
120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.432 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

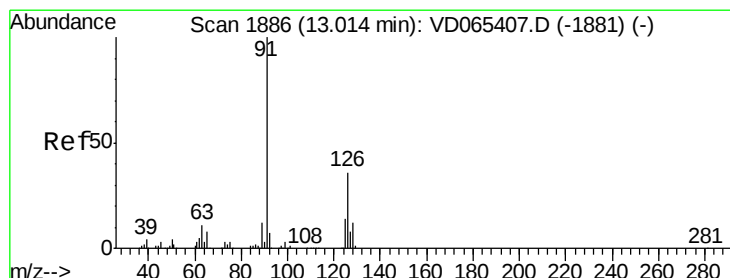
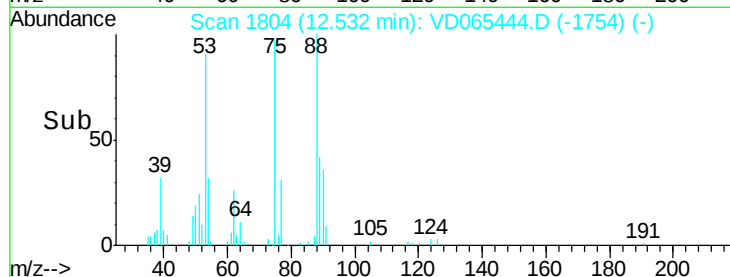
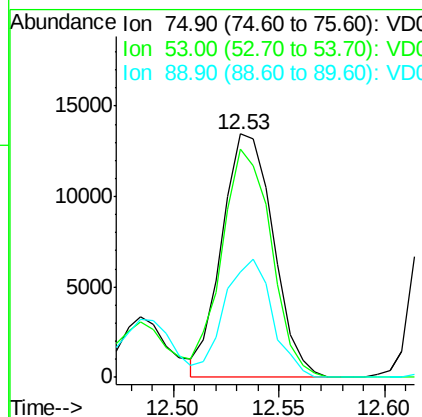
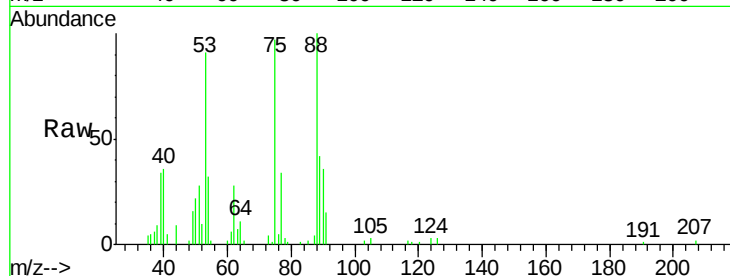
ClientSampleId :

VD0309SBS01

Tot Ion:	75	Resp:	22725
Ion	Ratio	Lower	Upper
75	100		
53	90.3	71.3	106.9
89	45.6	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.997 ug/l

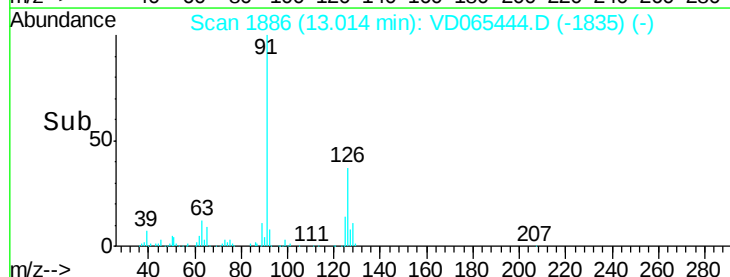
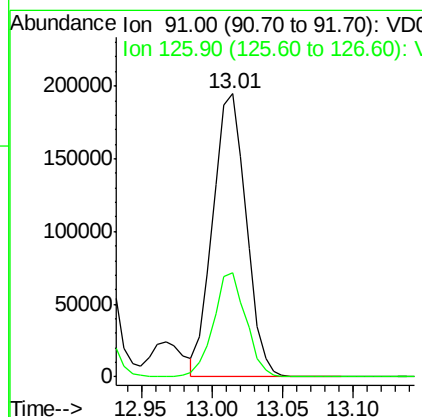
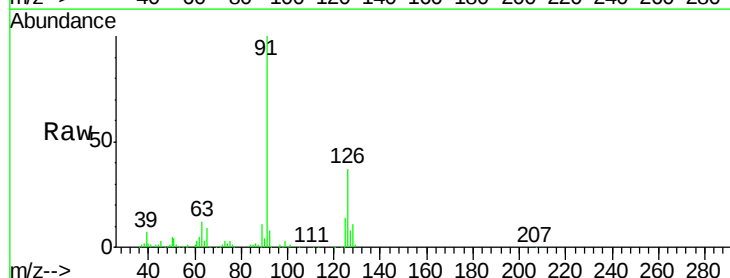
RT: 13.01 min Scan# 1886

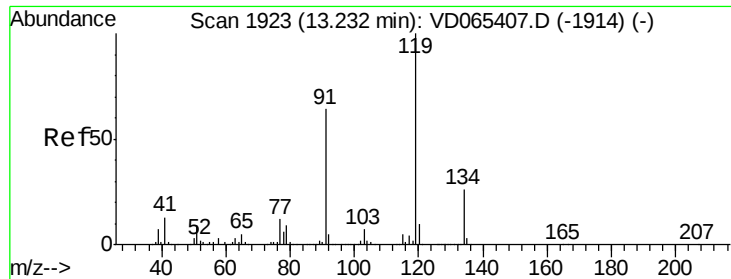
Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	91	Resp:	319987
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





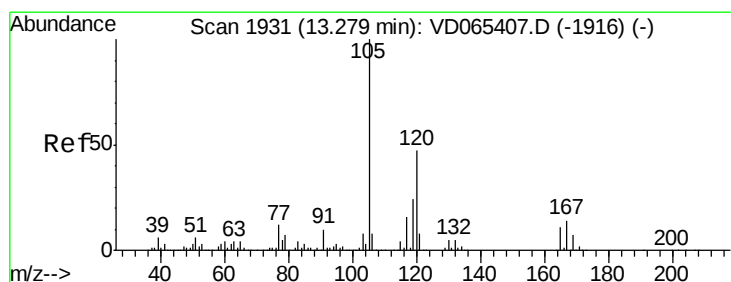
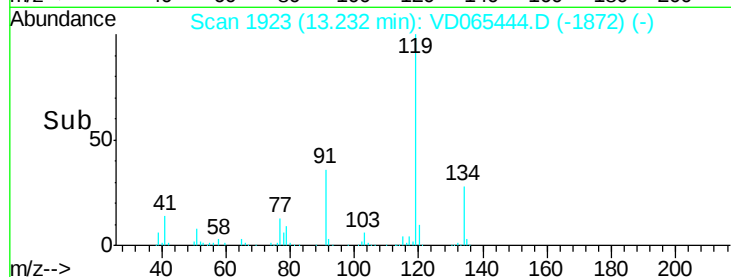
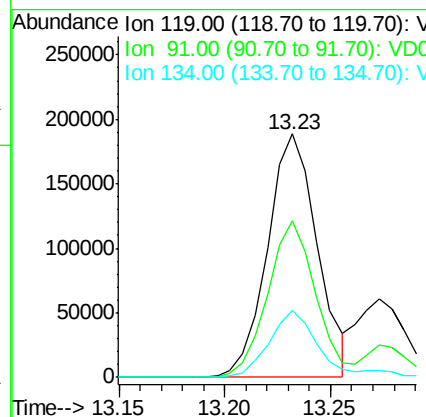
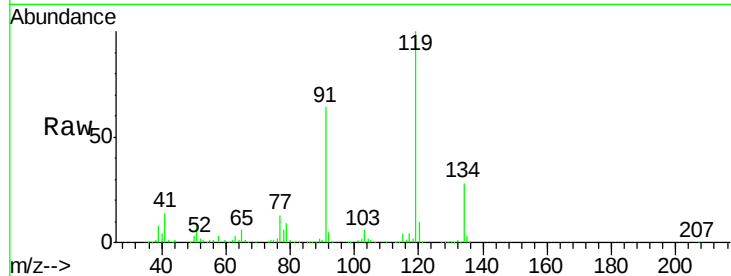
#83
tert-Butylbenzene
Concen: 20.490 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.6	95.0
134	28.2	14.2	42.8

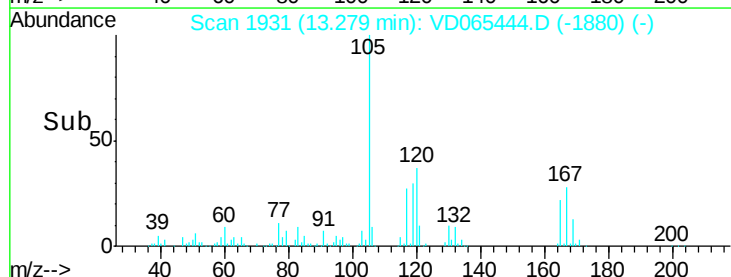
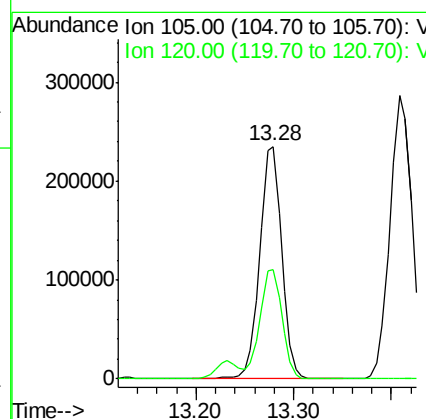
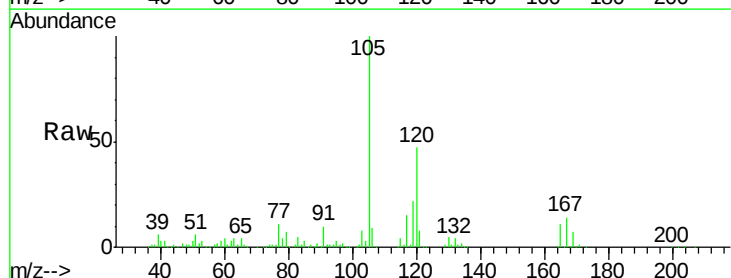
Manual Integrations
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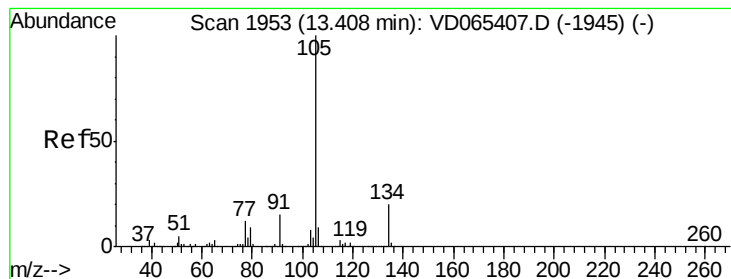
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#84
1,2,4-Trimethylbenzene
Concen: 21.102 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.987 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0309SBS01

Tot Ion:105 Resp: 451876

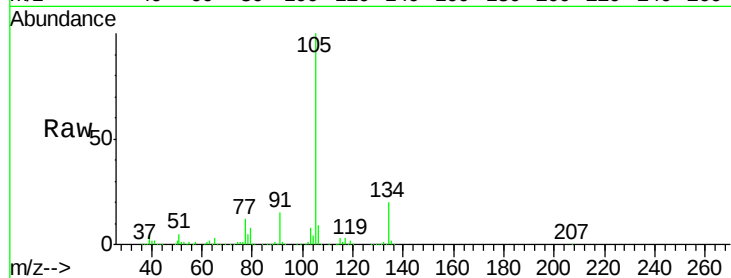
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9

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

Ion 134.00 (133.70 to 134.70): V

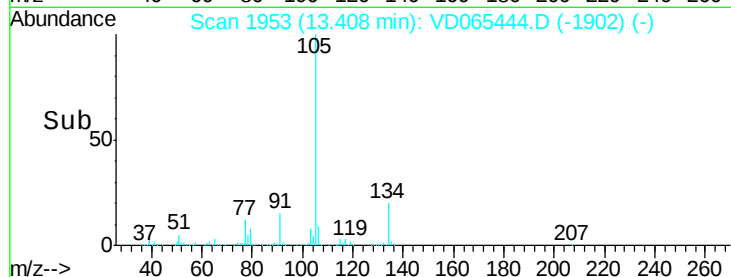
300000

200000

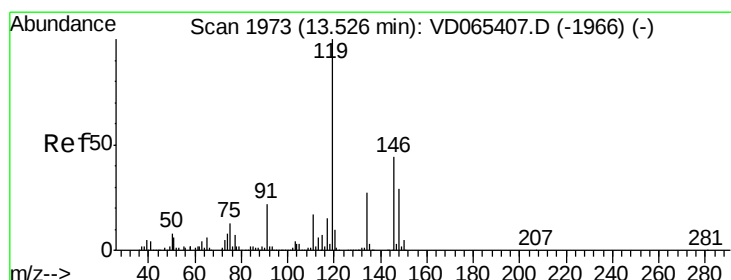
100000

0

13.30 13.40 13.50



Time-->



#86

p-Isopropyltoluene

Concen: 21.244 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

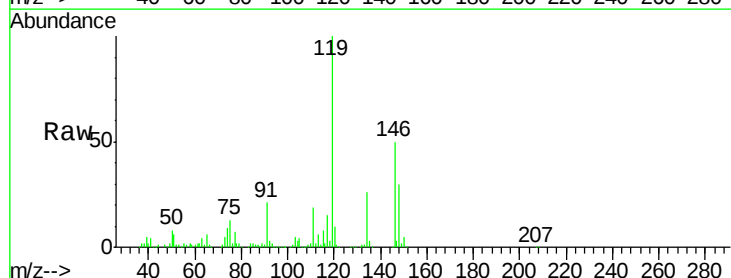
Tgt Ion:119 Resp: 417384

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 21.4 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

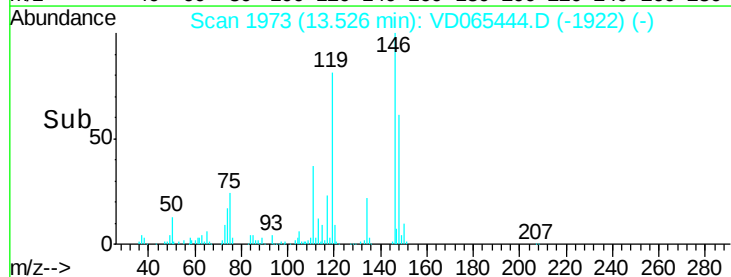
300000

200000

100000

0

13.45 13.50 13.55 13.60



Time-->



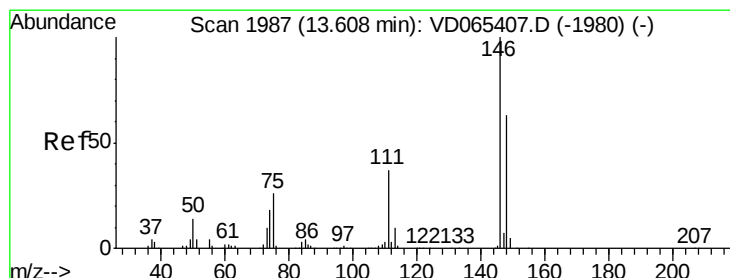
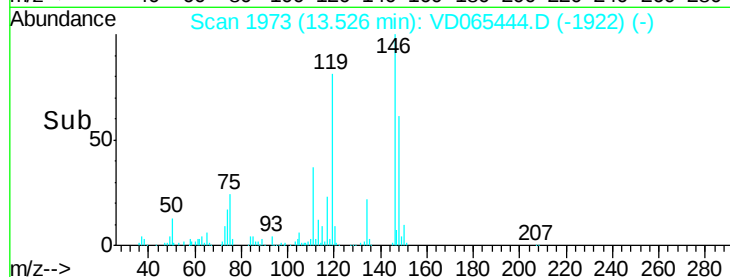
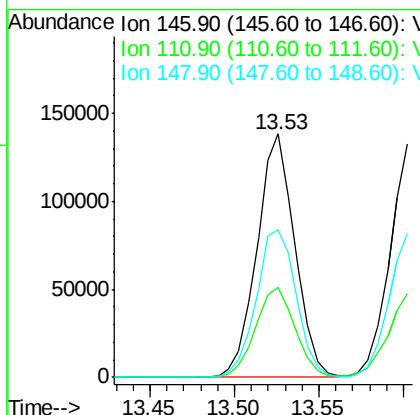
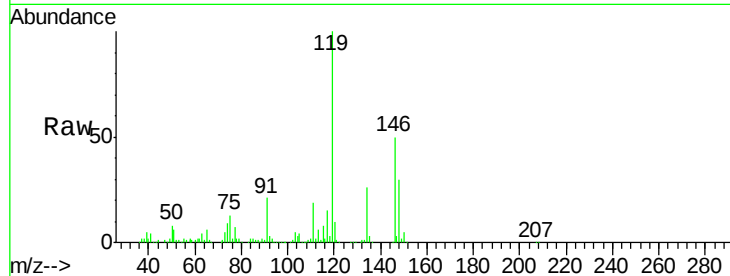
#87
 1,3-Dichlorobenzene
 Concen: 20.801 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	215485		
111	38.7	19.1	57.1	
148	64.2	32.3	96.8	

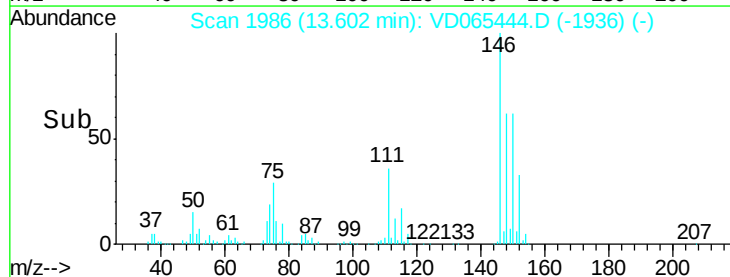
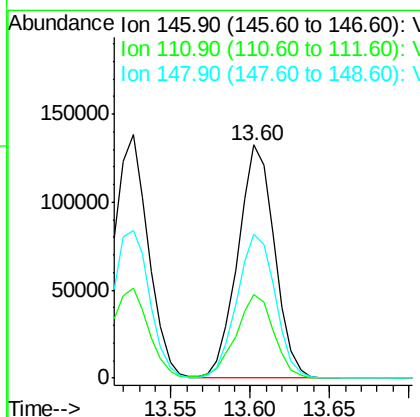
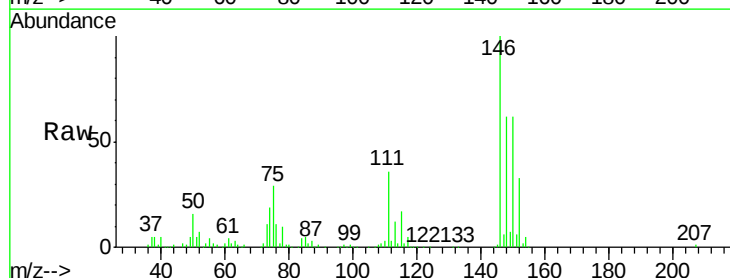
Manual Integrations
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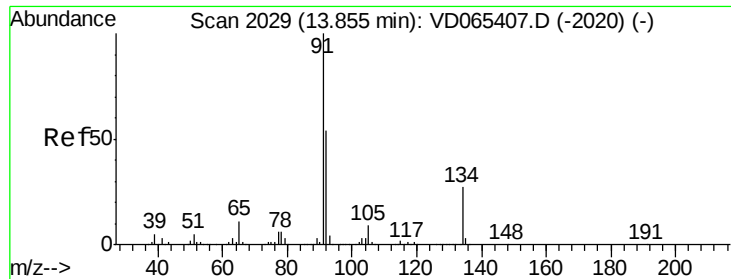
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.698 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213294		
111	36.9	18.5	55.5	
148	64.2	32.0	96.0	





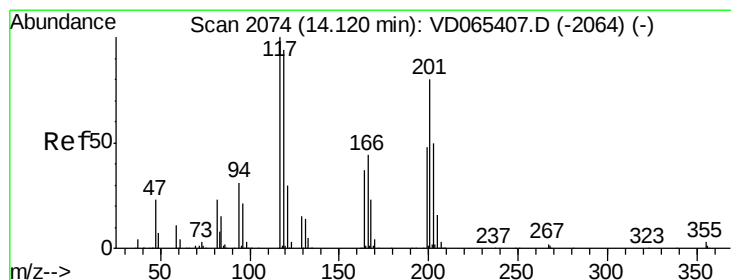
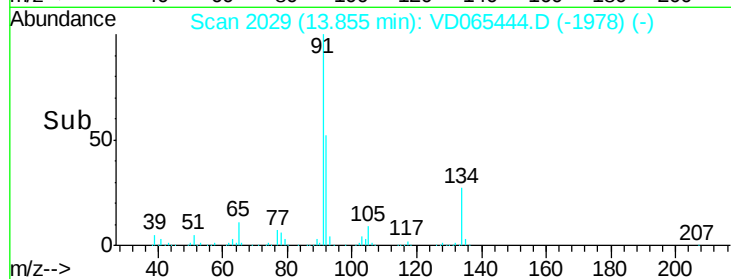
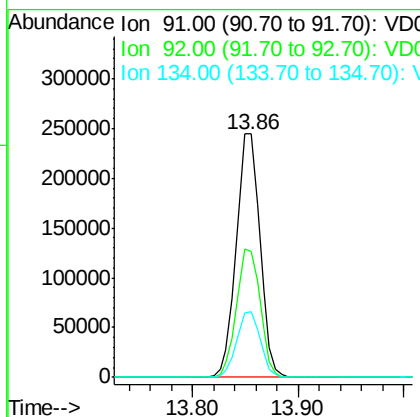
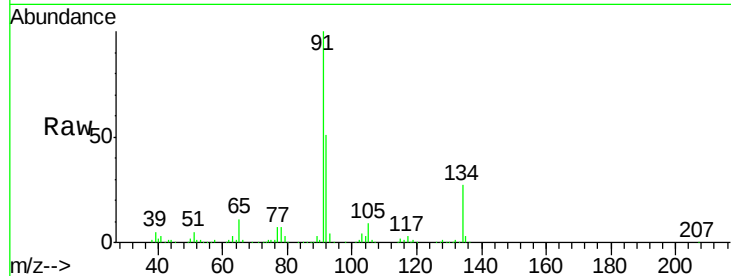
#89
n-Butylbenzene
Concen: 20.807 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0309SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	26.8	13.4	40.2

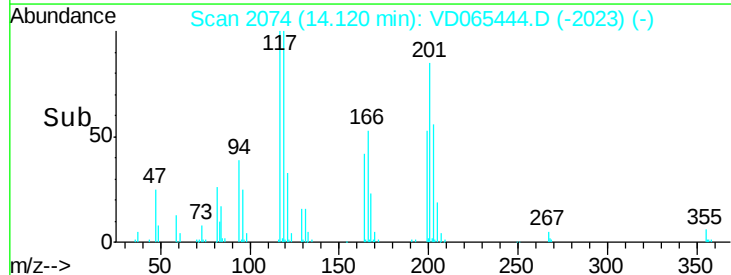
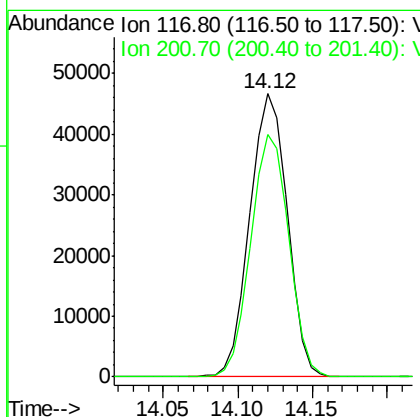
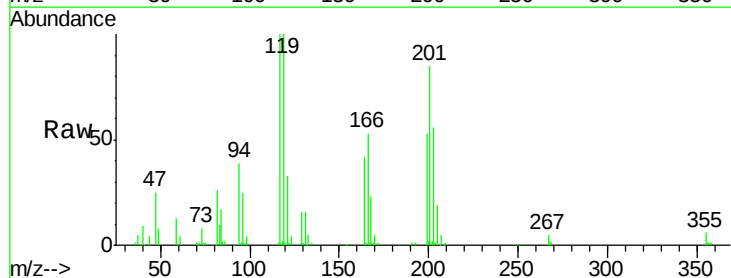
Manual Integrations
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#90
Hexachloroethane
Concen: 20.084 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065444.D
Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	41.9	125.6





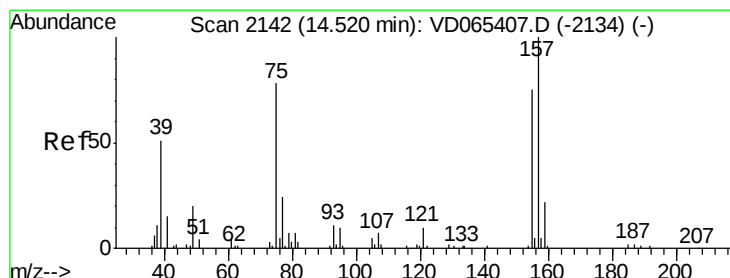
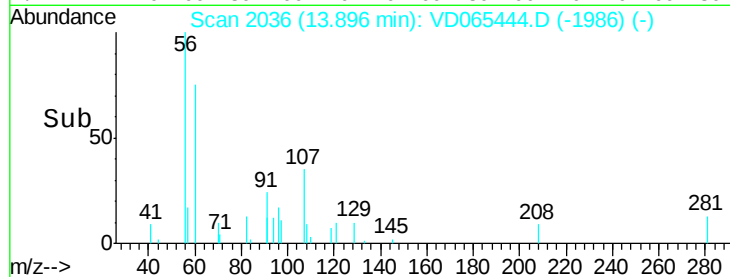
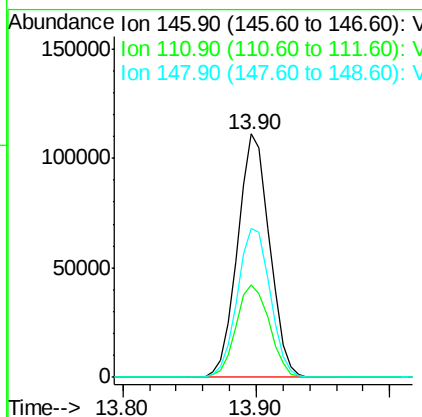
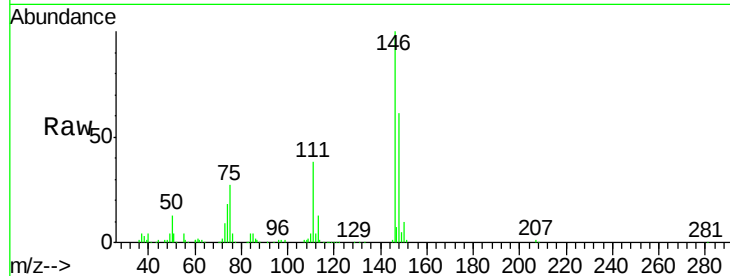
#91
 1,2-Dichlorobenzene
 Concen: 20.863 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.1	32.6	97.8

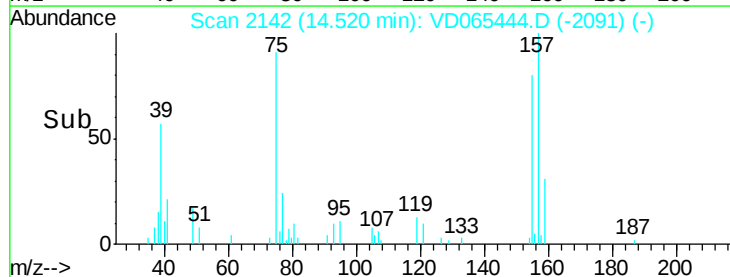
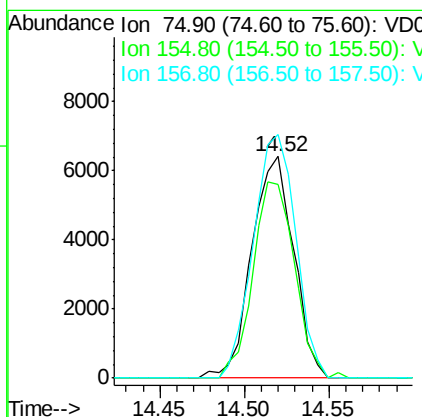
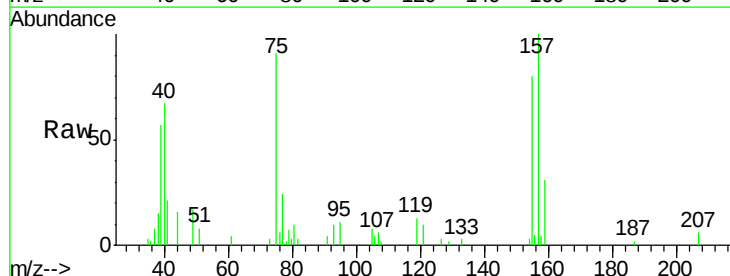
Manual Integrations
 APPROVED

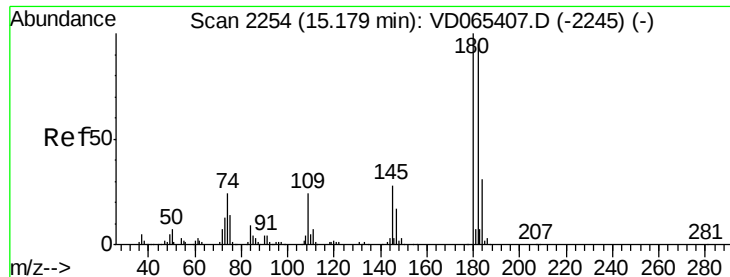
MMDadoda
 3/10/2020 3:34:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.093 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	46.4	139.1
157	111.4	60.2	180.4





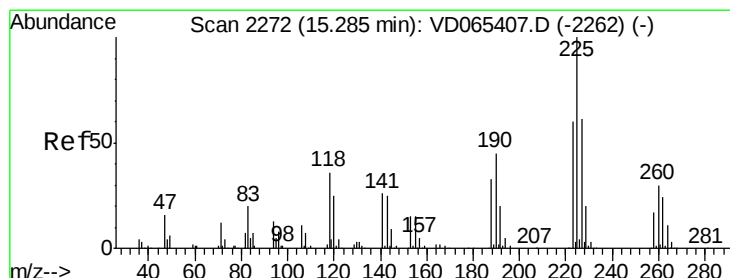
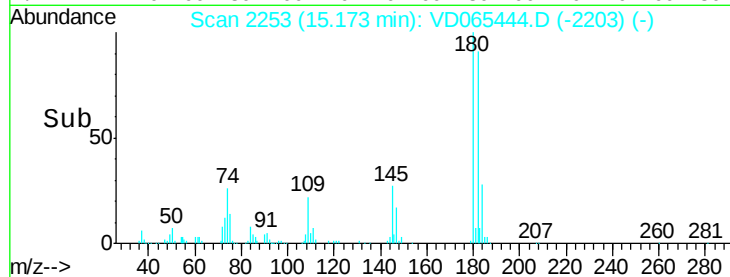
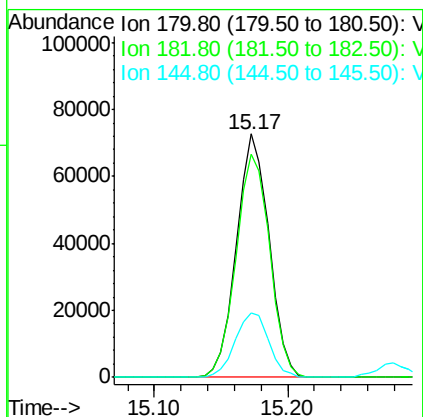
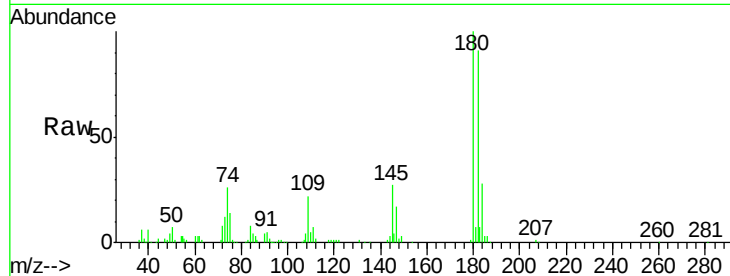
#93
 1,2,4-Trichlorobenzene
 Concen: 20.529 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Tot Ion:	180	Resp:	122662
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.3	144.9
145	27.3	14.4	43.4

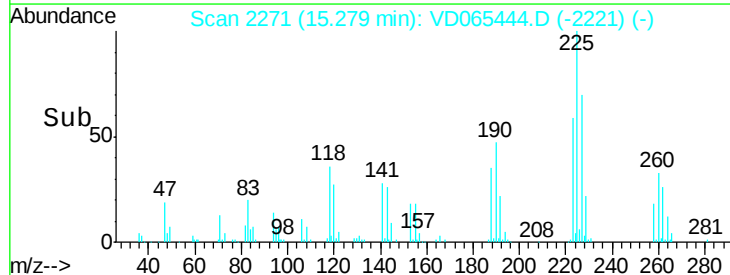
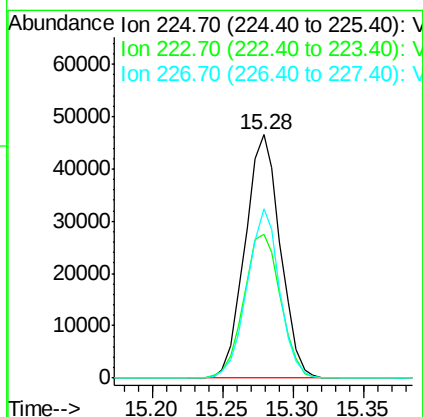
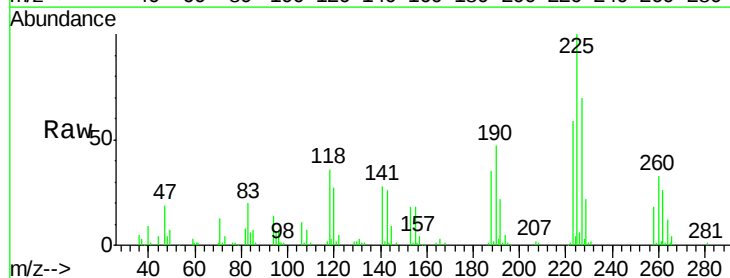
Manual Integrations
 APPROVED

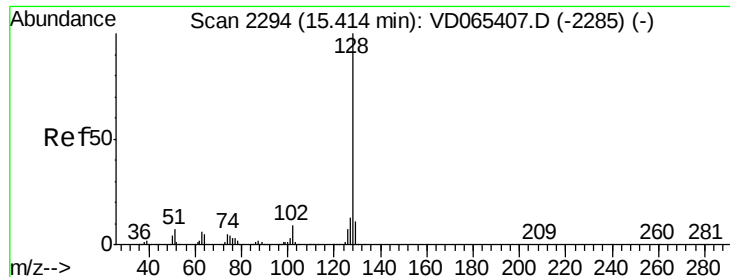
MMDadoda
 3/10/2020 3:34:27 PM



#94
 Hexachlorobutadiene
 Concen: 20.716 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065444.D
 Acq: 09 Mar 2020 12:27

Tgt Ion:	225	Resp:	81334
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.9	92.5
227	64.5	31.6	94.7





#95

Naphthalene

Concen: 19.529 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Instrument :

MSVOA_D

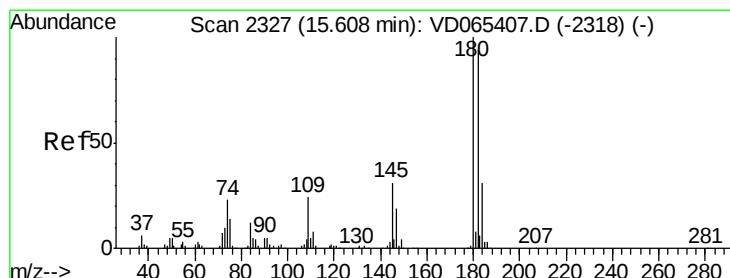
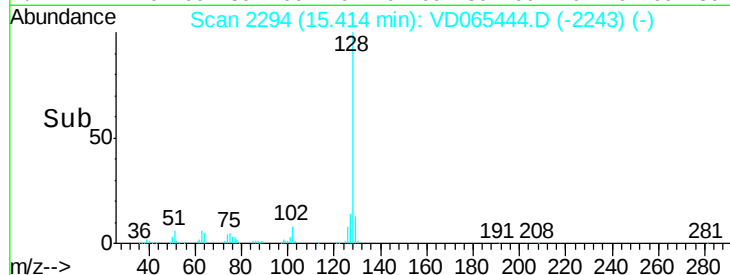
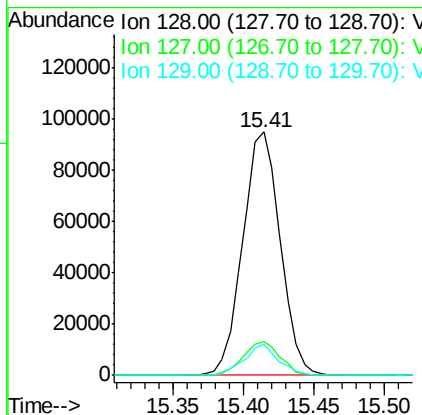
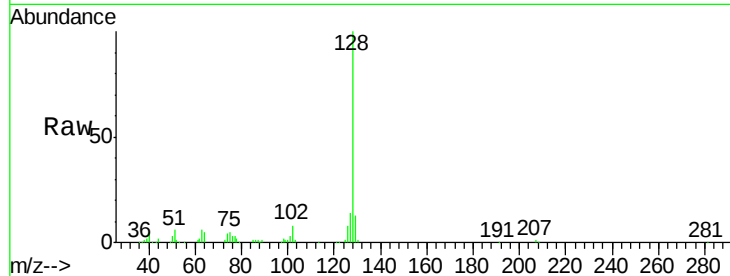
ClientSampleId :

VD0309SBSD01

Tot Ion:	128	Resp:	176611
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	16.0
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 3:34:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.475 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065444.D

Acq: 09 Mar 2020 12:27

Tgt Ion:	180	Resp:	105717
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.9	140.6
145	30.4	15.0	45.1

