

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031020\
 Data File : VD065462.D
 Acq On : 10 Mar 2020 13:59
 Operator : VA/SY
 Sample : VD0310SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:20:48 PM

Quant Time: Mar 11 02:07:31 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	7.98	168	455679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	199063	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.92	113	215409	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.34	98	826719	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	260578	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85245	21.767	ug/l	98
3) Chloromethane	2.21	50	102960	21.776	ug/l	99
4) Vinyl Chloride	2.35	62	101860	21.842	ug/l	94
5) Bromomethane	2.77	94	64643	22.064	ug/l	98
6) Chloroethane	2.92	64	60845	21.302	ug/l	98
7) Trichlorofluoromethane	3.27	101	147272	21.432	ug/l	97
8) Diethyl Ether	3.70	74	42938	21.012	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94726	21.404	ug/l	98
10) Methyl Iodide	4.30	142	91805	19.967	ug/l	99
11) Tert butyl alcohol	5.24	59	20120	89.738	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	88852	20.966	ug/l	87
13) Acrolein	3.93	56	33203	85.868	ug/l	98
14) Allyl chloride	4.71	41	128433	19.728	ug/l	99
15) Acrylonitrile	5.44	53	92697	104.269	ug/l	96
16) Acetone	4.16	43	74858	94.695	ug/l	97
17) Carbon Disulfide	4.40	76	287456	20.368	ug/l	98
18) Methyl Acetate	4.73	43	40859	20.376	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	165665	20.328	ug/l	97
20) Methylene Chloride	4.96	84	104177	22.357	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	99580	21.123	ug/l	92
22) Diisopropyl ether	6.37	45	263937	21.809	ug/l	97
23) Vinyl Acetate	6.31	43	685526	102.019	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162734	20.964	ug/l	96
25) 2-Butanone	7.22	43	106317	98.553	ug/l	99
26) 2,2-Dichloropropane	7.21	77	142437	20.998	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103719	21.524	ug/l	98
28) Bromochloromethane	7.54	49	66356	21.366	ug/l	100
29) Tetrahydrofuran	7.57	42	67401	97.835	ug/l	99
30) Chloroform	7.71	83	166541	21.465	ug/l	97
31) Cyclohexane	7.98	56	155137	19.987	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	151363	21.111	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136091	21.138	ug/l	99
37) Ethyl Acetate	7.30	43	49376	19.842	ug/l	97
38) Carbon Tetrachloride	8.10	117	141947	21.261	ug/l	96

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Manual Integrations
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 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)
39) Methylcyclohexane	9.36	83	154873	19.917	ug/l	93
40) Benzene	8.35	78	393372	21.853	ug/l	99
41) Methacrylonitrile	7.53	41	27014	20.527	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	102659	21.840	ug/l	99
43) Isopropyl Acetate	8.46	43	93627	20.377	ug/l	98
44) Trichloroethene	9.11	130	106035	20.858	ug/l	100
45) 1,2-Dichloropropane	9.39	63	94734	21.726	ug/l	95
46) Dibromomethane	9.48	93	48813	21.582	ug/l	99
47) Bromodichloromethane	9.67	83	125539	21.335	ug/l	97
48) Methyl methacrylate	9.46	41	45941	21.256	ug/l	93
49) 1,4-Dioxane	9.47	88	10984	424.560	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	239931	103.767	ug/l	98
52) Toluene	10.41	92	245325	21.633	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	114681	20.856	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	138768	20.849	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	68703	21.447	ug/l	97
56) Ethyl methacrylate	10.67	69	70827	19.612	ug/l	97
57) 1,3-Dichloropropane	10.95	76	114830	21.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	110798	99.488	ug/l	100
59) 2-Hexanone	10.99	43	159097	99.398	ug/l	98
60) Dibromochloromethane	11.14	129	88618	21.581	ug/l	100
61) 1,2-Dibromoethane	11.25	107	63937	20.925	ug/l	98
64) Tetrachloroethene	10.88	164	97190	21.842	ug/l	99
65) Chlorobenzene	11.67	112	257341	20.942	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	94924	21.210	ug/l	99
67) Ethyl Benzene	11.75	91	435790	20.524	ug/l	97
68) m/p-Xylenes	11.86	106	349113	42.641	ug/l	98
69) o-Xylene	12.18	106	151530	21.041	ug/l	99
70) Styrene	12.20	104	272083	21.467	ug/l	98
71) Bromoform	12.37	173	52693	20.961	ug/l #	99
73) Isopropylbenzene	12.48	105	417856	20.385	ug/l	99
74) N-amyl acetate	12.30	43	80730	19.238	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72580	20.144	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	56301m	22.895	ug/l	
77) Bromobenzene	12.77	156	106996	21.010	ug/l	99
78) n-propylbenzene	12.83	91	508419	20.905	ug/l	99
79) 2-Chlorotoluene	12.91	91	282981	20.645	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	351470	20.857	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22730	19.506	ug/l	98
82) 4-Chlorotoluene	13.01	91	307646	21.359	ug/l	99
83) tert-Butylbenzene	13.23	119	284478	19.954	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	351105	21.137	ug/l	99
85) sec-Butylbenzene	13.41	105	415901	20.437	ug/l	99
86) p-Isopropyltoluene	13.53	119	381055	20.521	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	204563	20.893	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	202448	20.786	ug/l	99
89) n-Butylbenzene	13.86	91	346394	20.177	ug/l	99
90) Hexachloroethane	14.12	117	78242	20.460	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	174722	20.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10886	19.838	ug/l	94

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBSD01

Manual Integrations
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Quant Time: Mar 11 02:07:31 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)
93) 1,2,4-Trichlorobenzene	15.17	180	115625	20.474	ug/l	98
94) Hexachlorobutadiene	15.28	225	75076	20.233	ug/l	96
95) Naphthalene	15.41	128	168275	19.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102975	21.101	ug/l	99

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

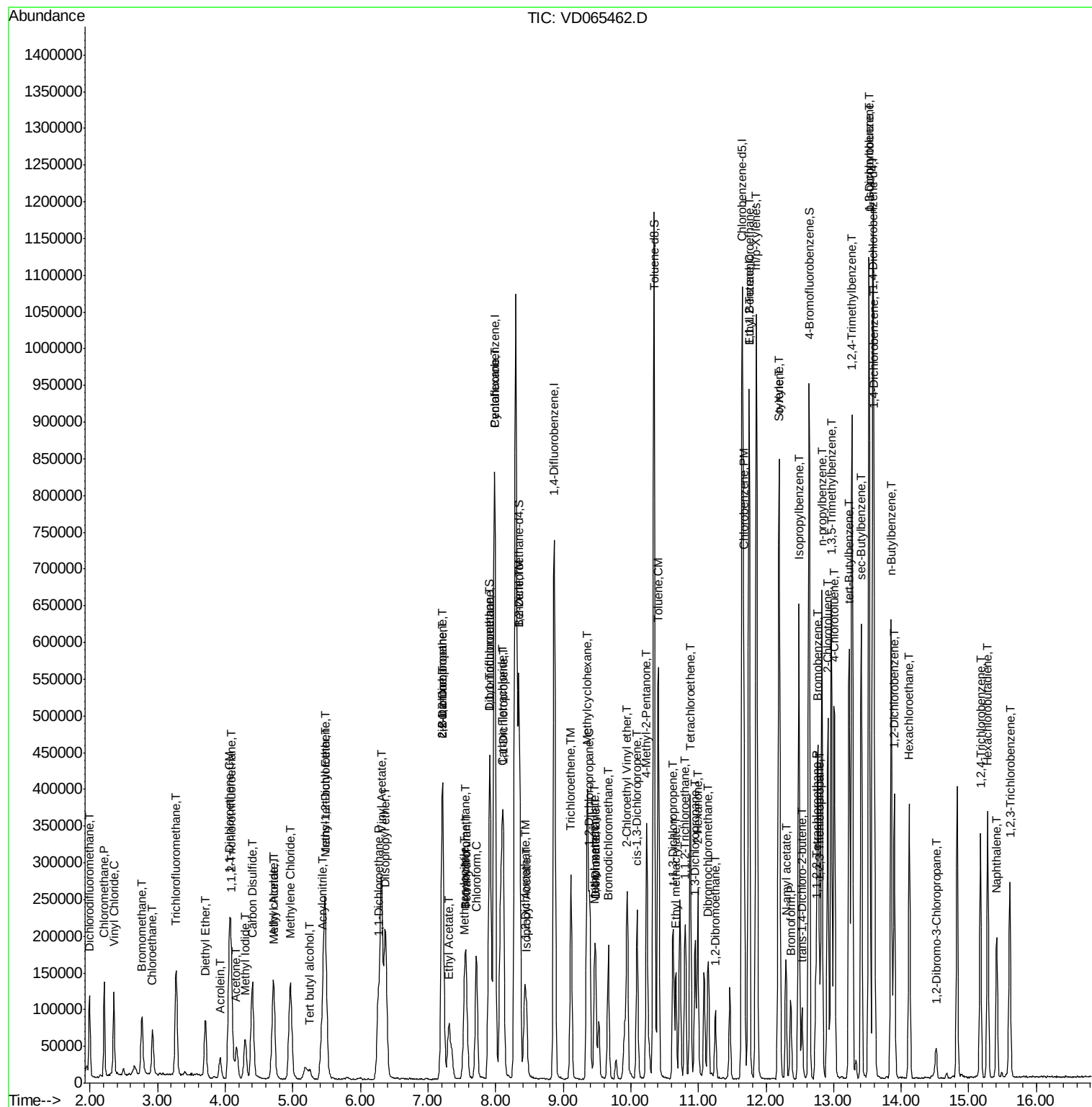
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Data File : VD065462.D
Acq On : 10 Mar 2020 13:59
Operator : VA/SY
Sample : VD0310SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

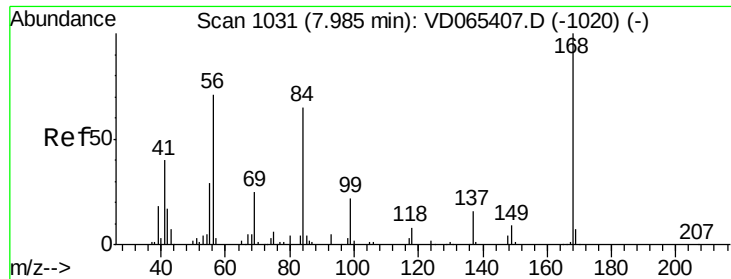
Instrument :
MSVOA_D
ClientSampleId :
VD0310SBSD01

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:20:48 PM

Quant Time: Mar 11 02:07:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion:168 Resp: 455679

Ion Ratio Lower Upper

168 100

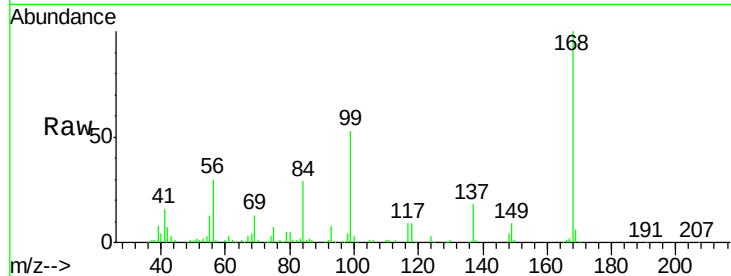
99 53.2 41.5 62.3

Manual Integrations

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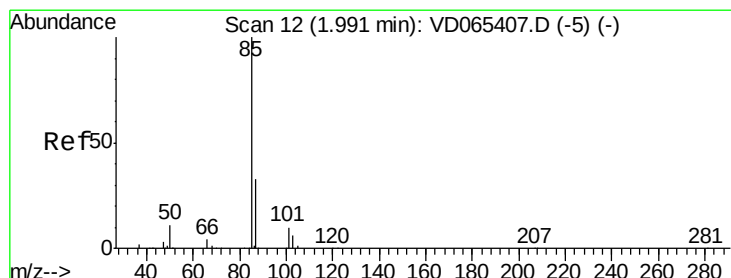
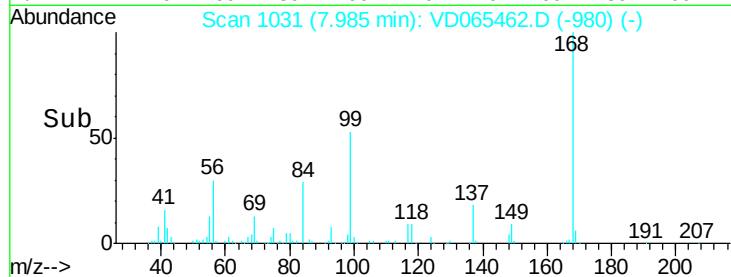
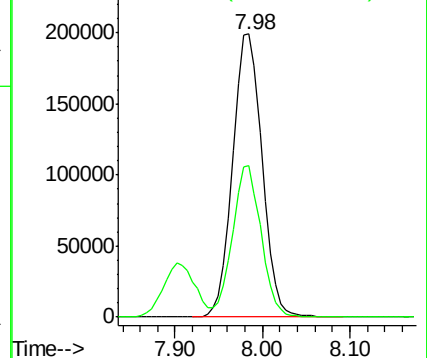
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.767 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065462.D

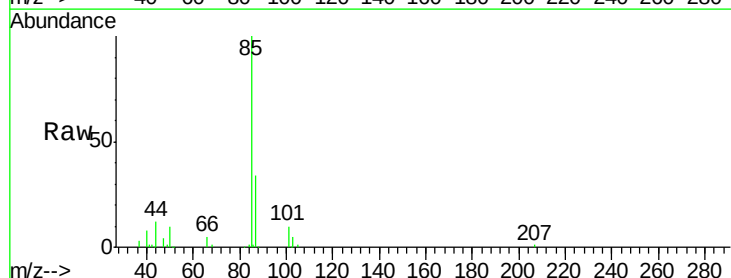
Acq: 10 Mar 2020 13:59

Tgt Ion: 85 Resp: 85245

Ion Ratio Lower Upper

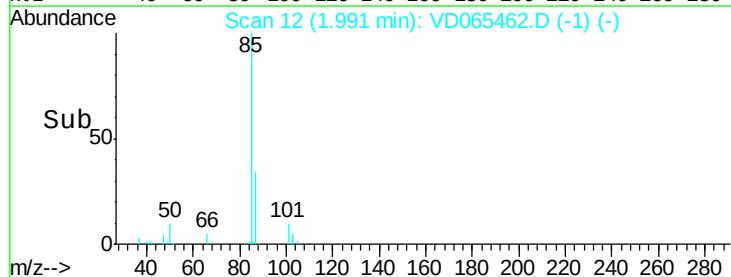
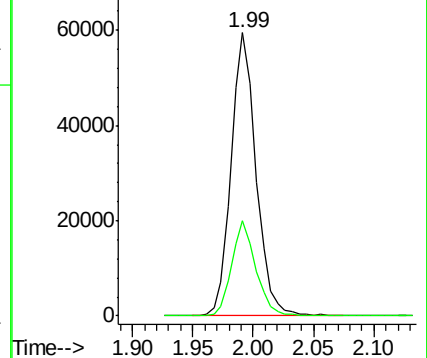
85 100

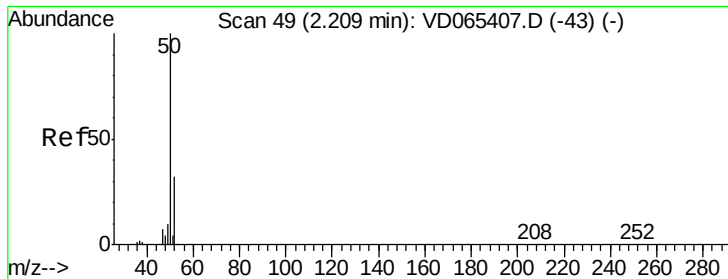
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.776 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 50 Resp: 102960

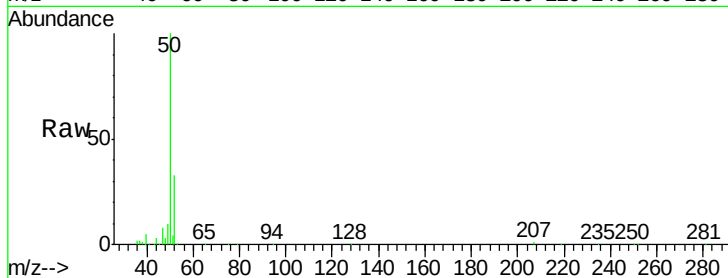
Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8

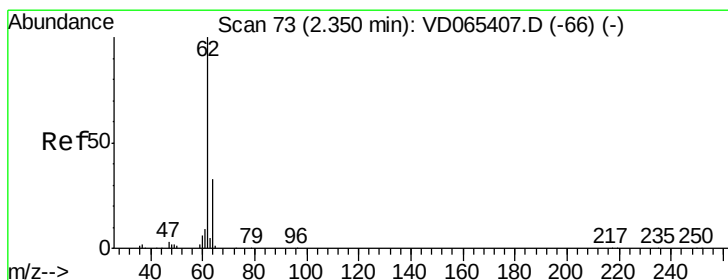
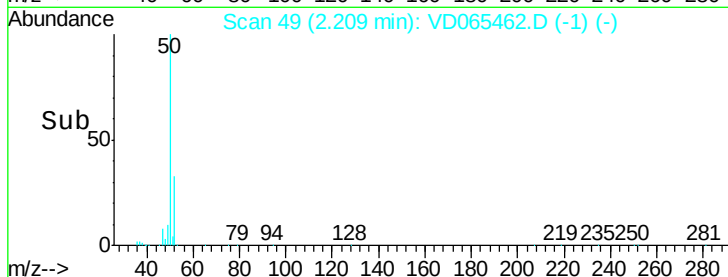
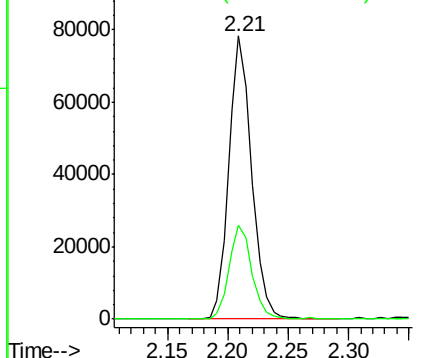
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.842 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065462.D

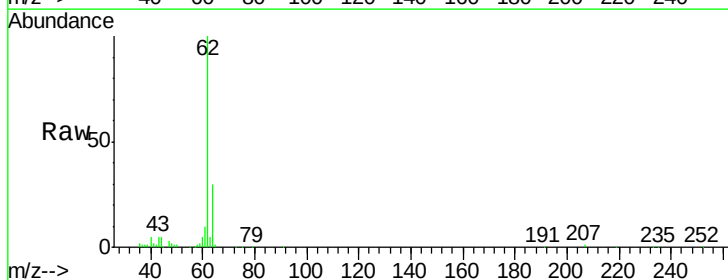
Acq: 10 Mar 2020 13:59

Tgt Ion: 62 Resp: 101860

Ion Ratio Lower Upper

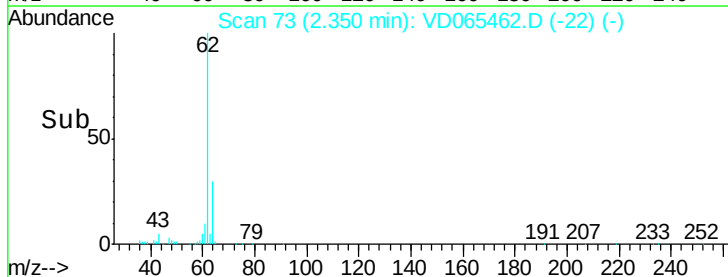
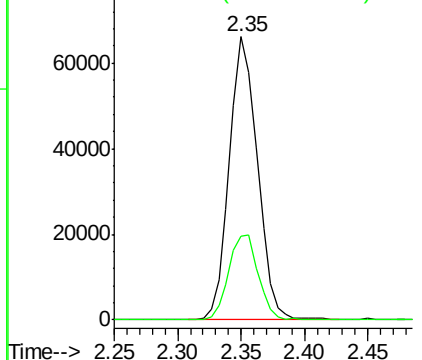
62 100

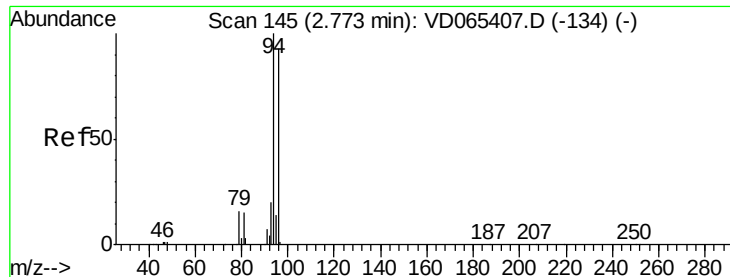
64 29.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.064 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

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ClientSampleId :

VD0310SBS01

Tot Ion: 94 Resp: 64643

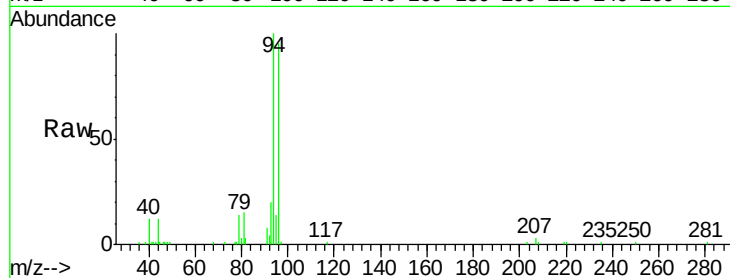
Ion Ratio Lower Upper

94 100

96 95.3 74.4 111.6

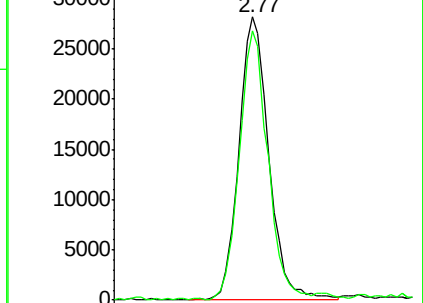
Manual Integrations
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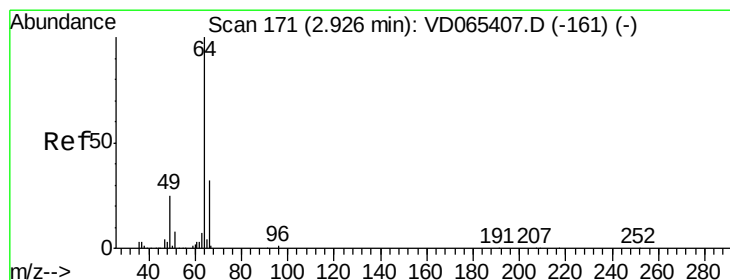
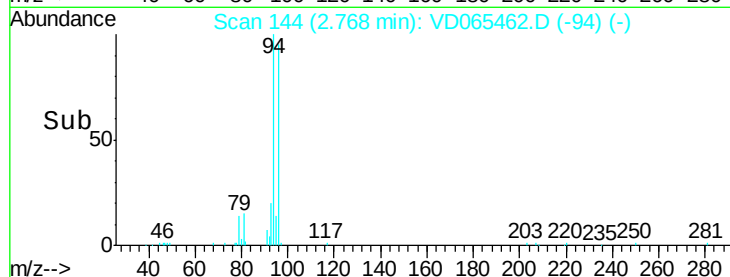


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 21.302 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065462.D

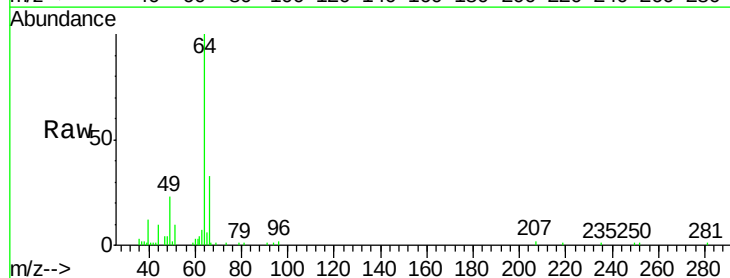
Acq: 10 Mar 2020 13:59

Tgt Ion: 64 Resp: 60845

Ion Ratio Lower Upper

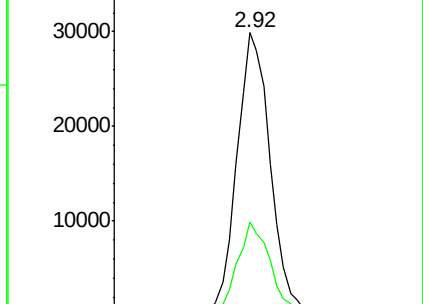
64 100

66 33.3 25.6 38.4

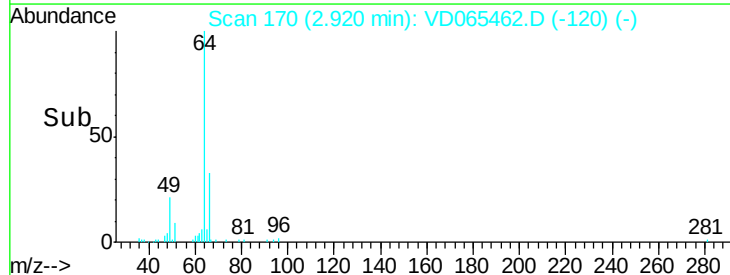


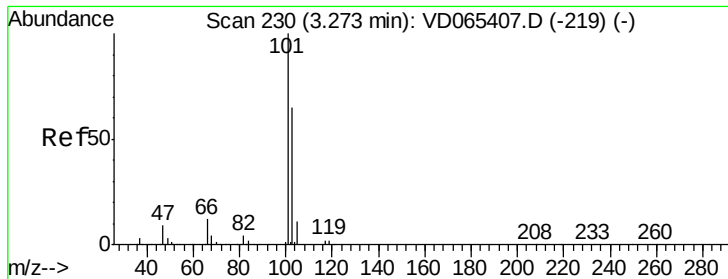
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

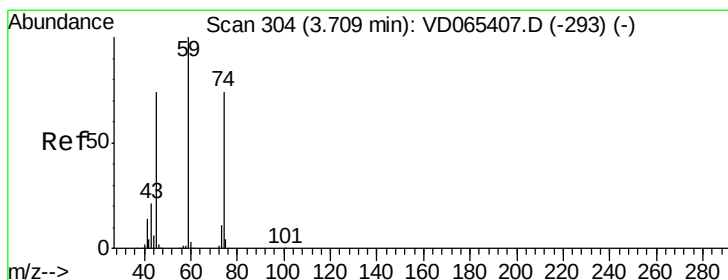
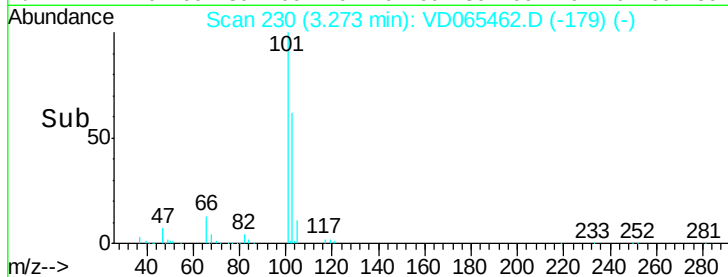
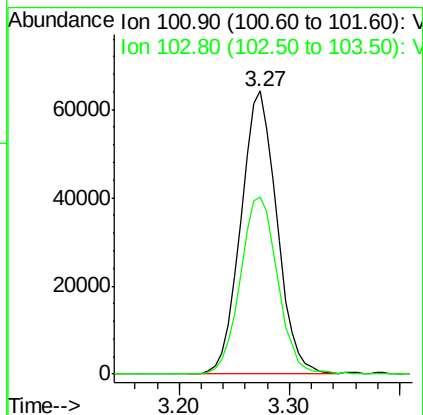
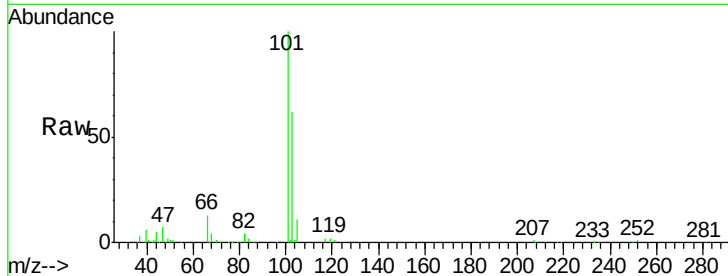
Trichlorofluoromethane
Concen: 21.432 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
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ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.1	78.1

Manual Integrations
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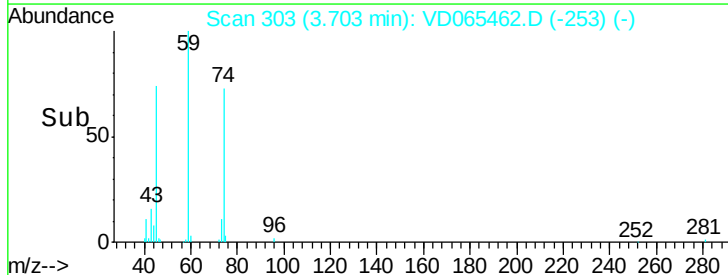
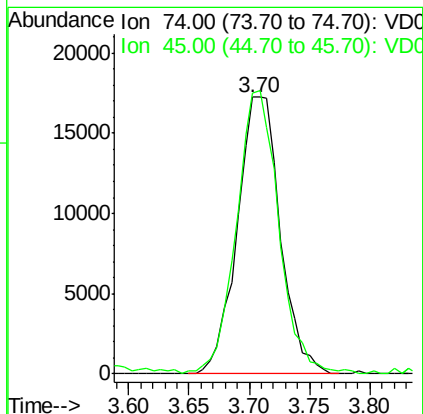
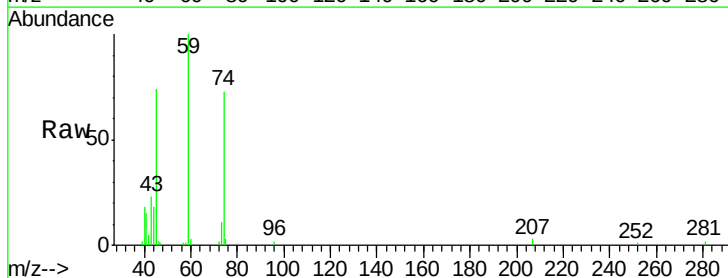
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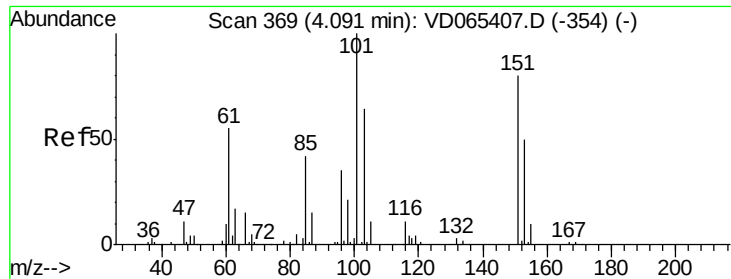


#8

Diethyl Ether
Concen: 21.012 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.404 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

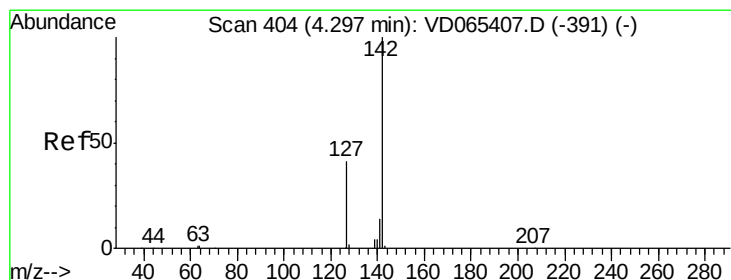
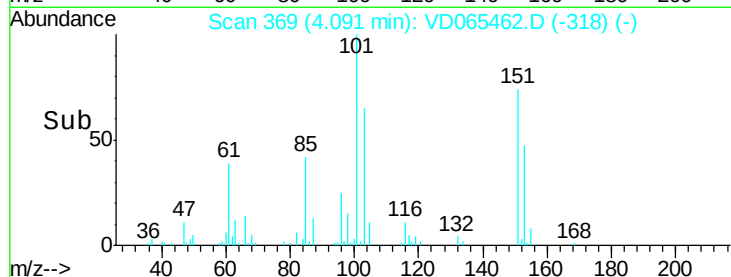
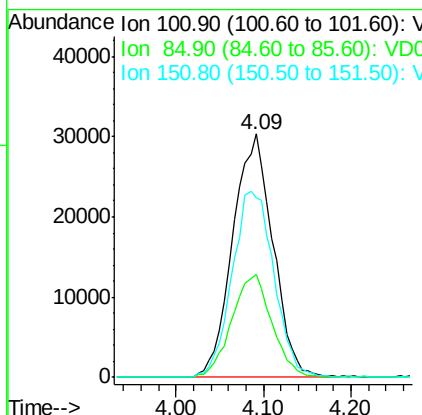
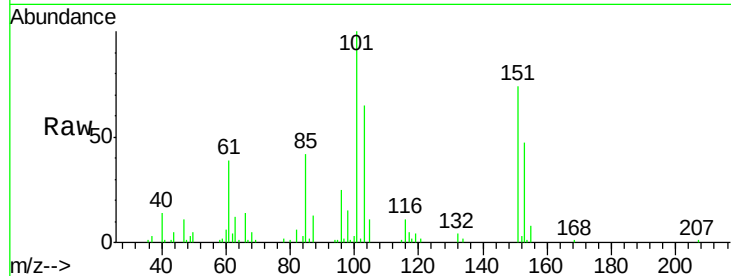
ClientSampleId :

VD0310SBS01

Tot Ion:	101	Resp:	94726
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	79.6	65.1	97.7

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3/11/2020 3:20:48 PM



#10

Methyl Iodide

Concen: 19.967 ug/l

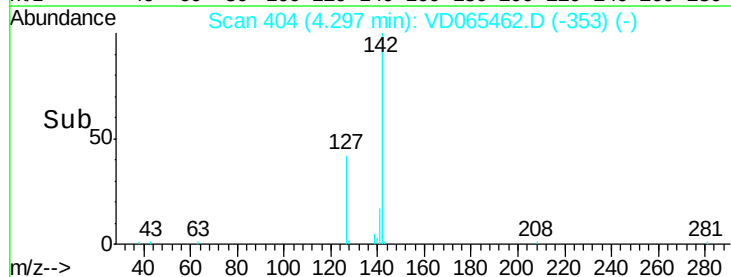
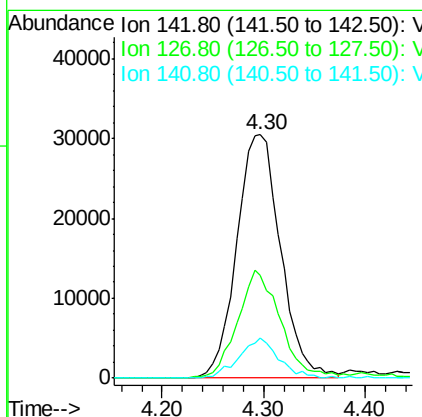
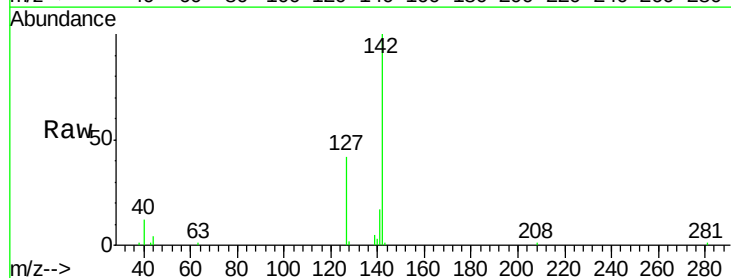
RT: 4.30 min Scan# 404

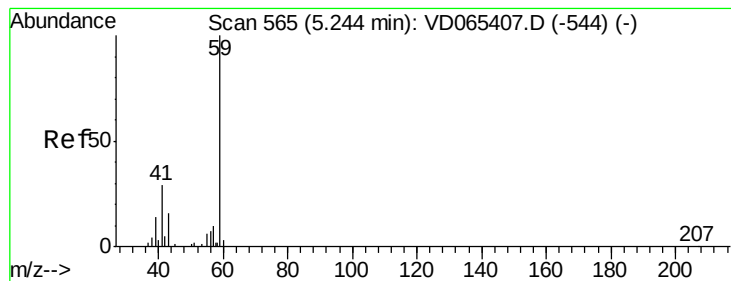
Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	142	Resp:	91805
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.0	52.6
141	14.7	12.4	18.6





#11

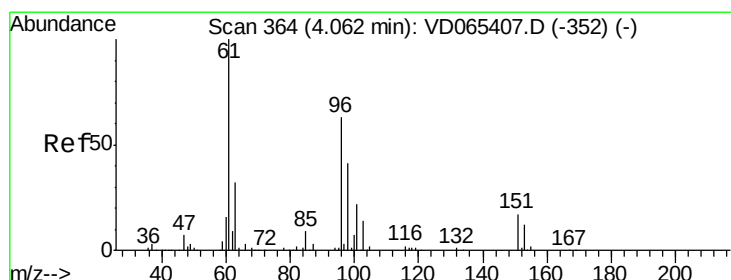
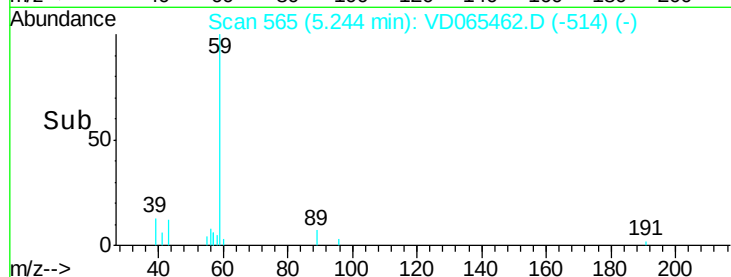
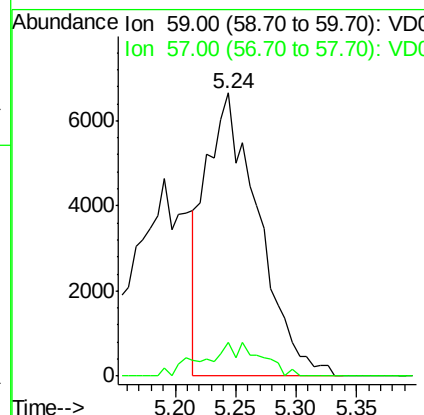
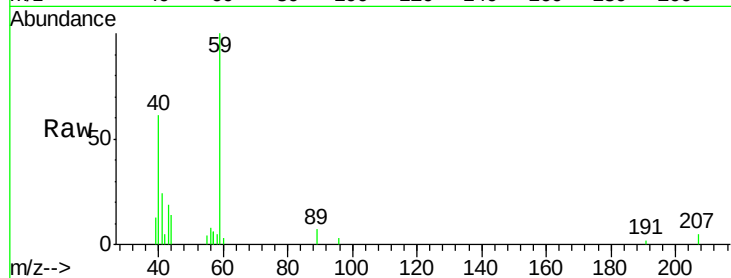
Tert butyl alcohol
Concen: 89.738 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20120		
57	0.0	6.9	10.3#	

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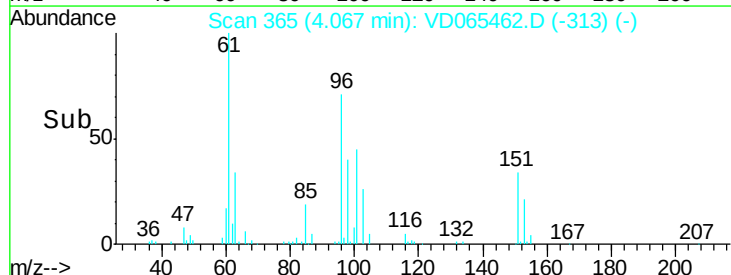
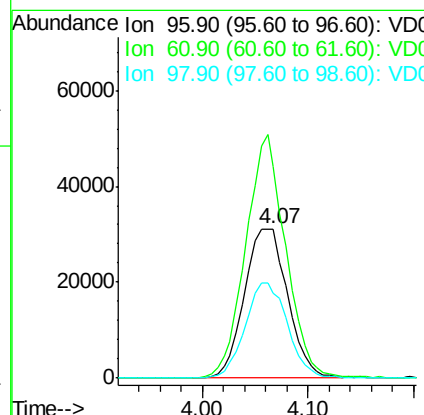
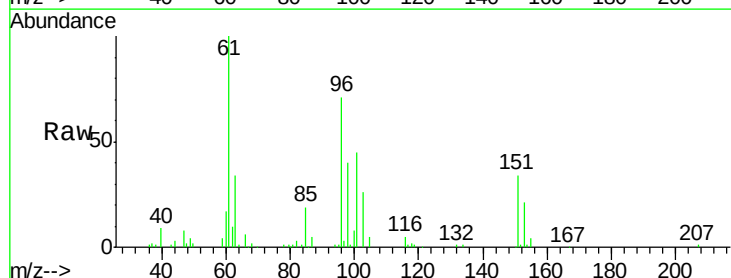
MMDadoda
3/11/2020 3:20:48 PM

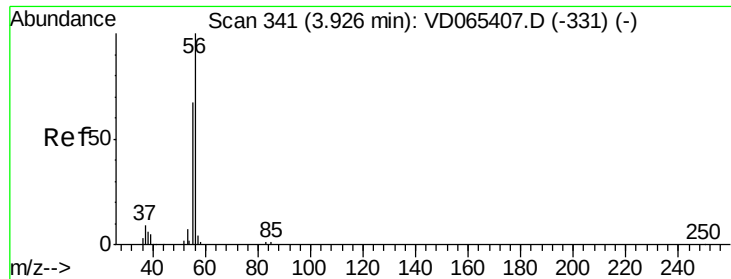


#12

1,1-Dichloroethene
Concen: 20.966 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88852		
61	141.7	128.0	192.0	
98	56.8	51.9	77.9	





#13

Acrolein

Concen: 85.868 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 56 Resp: 33203

Ion Ratio Lower Upper

56 100

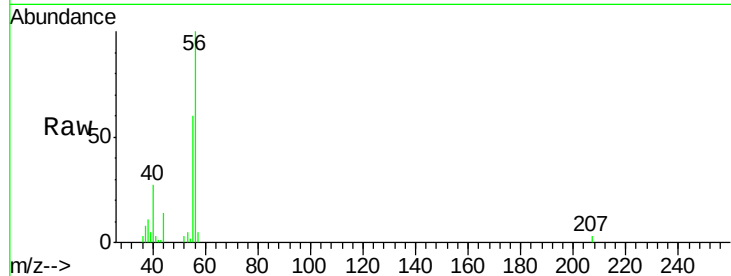
55 69.0 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

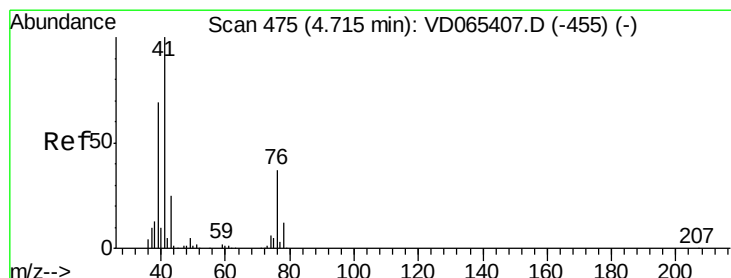
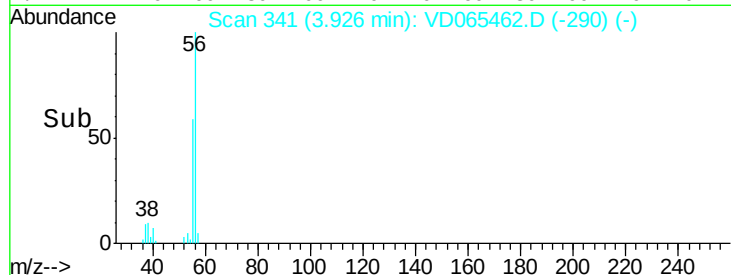
10000

5000

0

Time--> 3.80 3.90 4.00

3.93



#14

Allyl chloride

Concen: 19.728 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

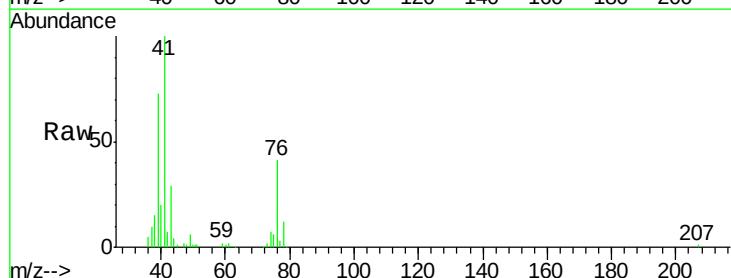
Tgt Ion: 41 Resp: 128433

Ion Ratio Lower Upper

41 100

39 66.0 52.6 79.0

76 38.0 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

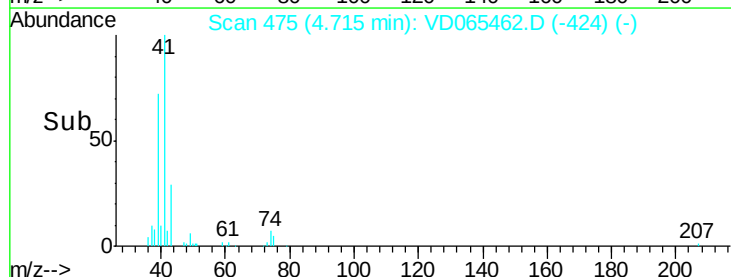
20000

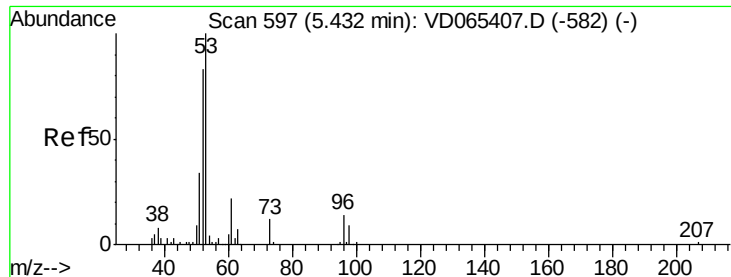
10000

0

Time--> 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 104.269 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

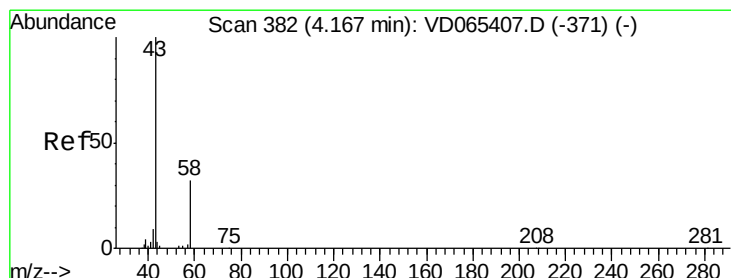
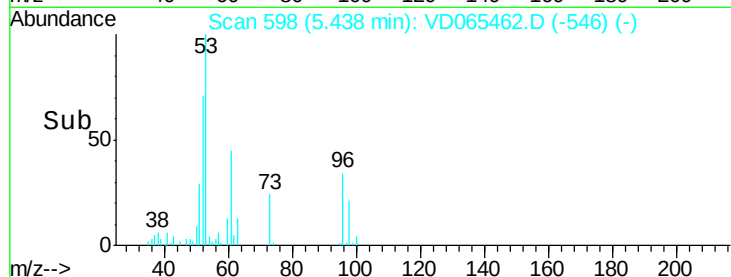
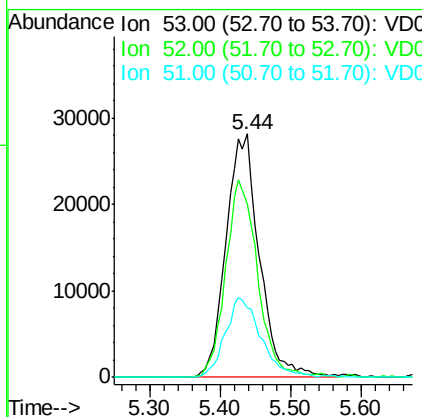
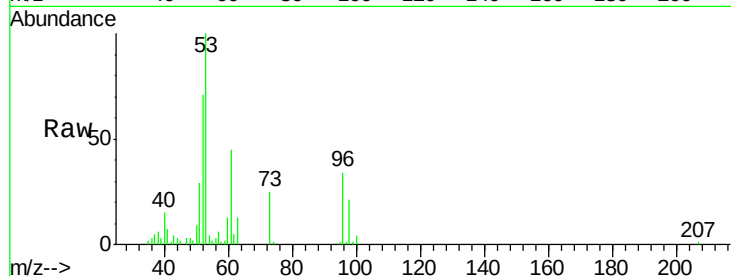
ClientSampleId :

VD0310SBS01

Tot Ion:	53	Resp:	92697
Ion Ratio	Lower	Upper	
53	100		
52	77.3	65.1	97.7
51	35.0	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 94.695 ug/l

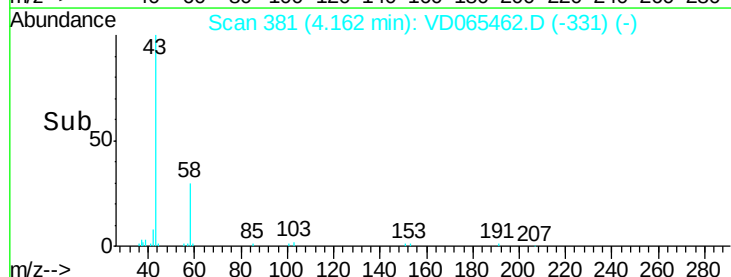
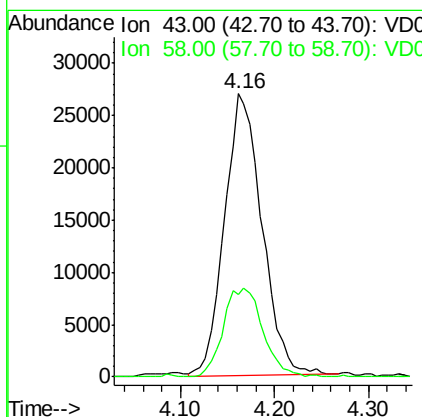
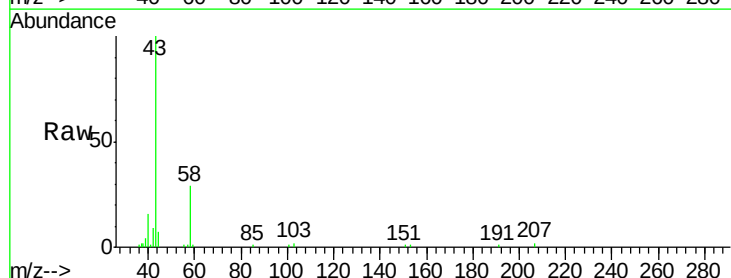
RT: 4.16 min Scan# 381

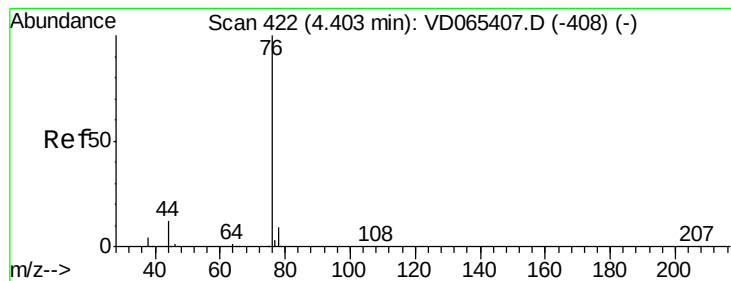
Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	43	Resp:	74858
Ion Ratio	Lower	Upper	
43	100		
58	29.5	25.1	37.7





#17

Carbon Disulfide

Concen: 20.368 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 76 Resp: 287456

Ion Ratio Lower Upper

76 100

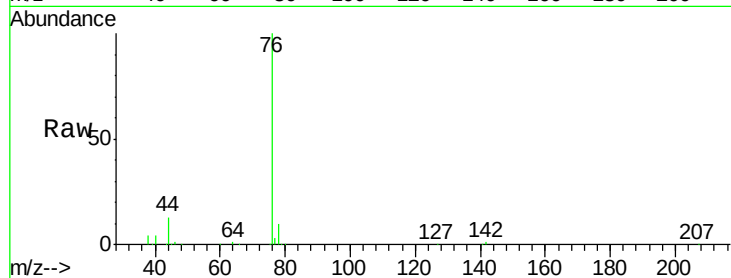
78 9.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

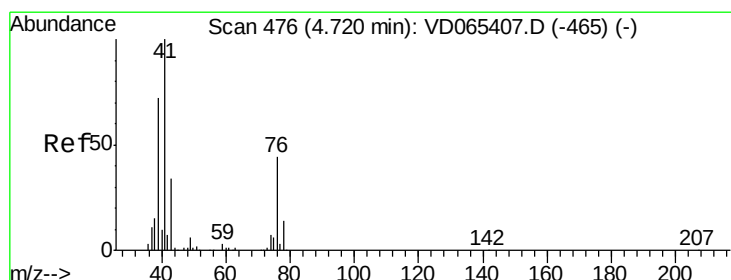
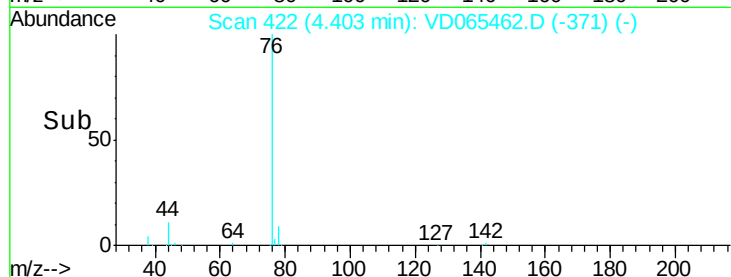
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.376 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065462.D

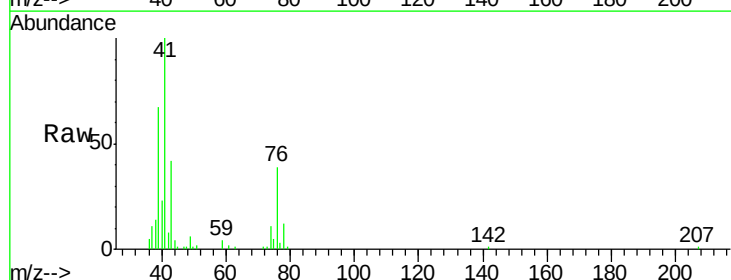
Acq: 10 Mar 2020 13:59

Tgt Ion: 43 Resp: 40859

Ion Ratio Lower Upper

43 100

74 24.4 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

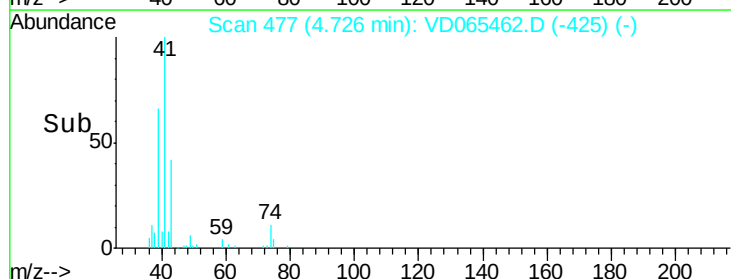
15000

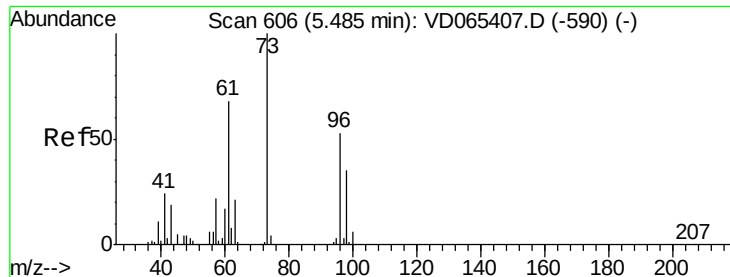
10000

5000

0

Time-->





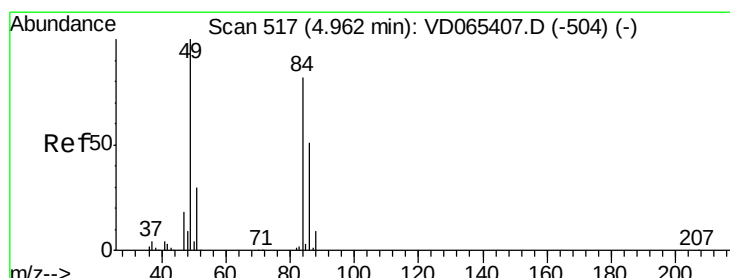
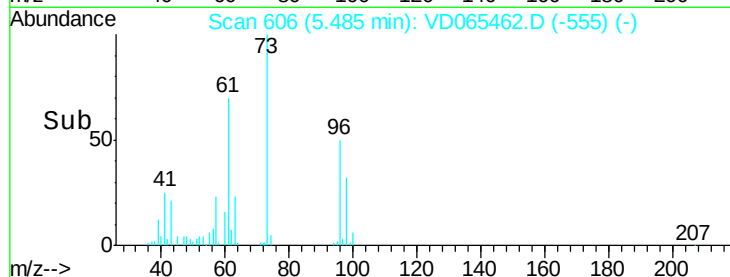
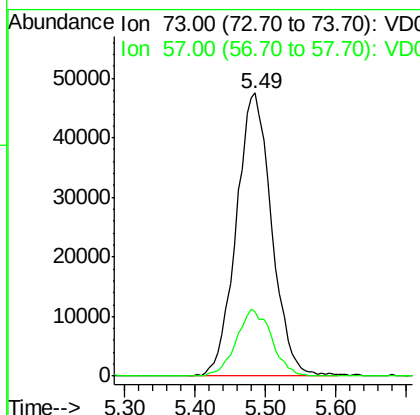
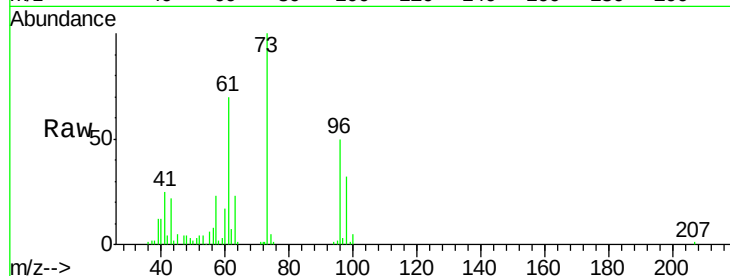
#19
Methyl tert-butyl Ether
Concen: 20.328 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 73 Resp: 165665
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

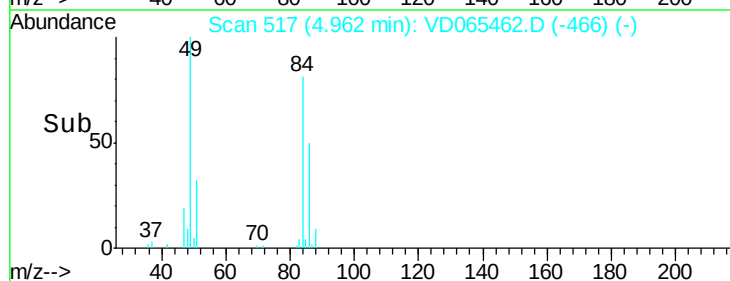
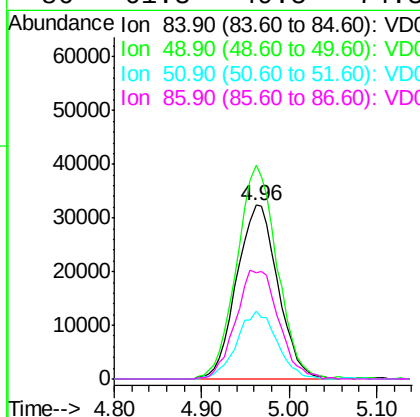
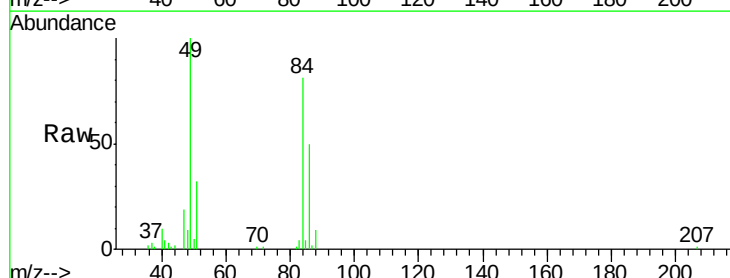
Manual Integrations
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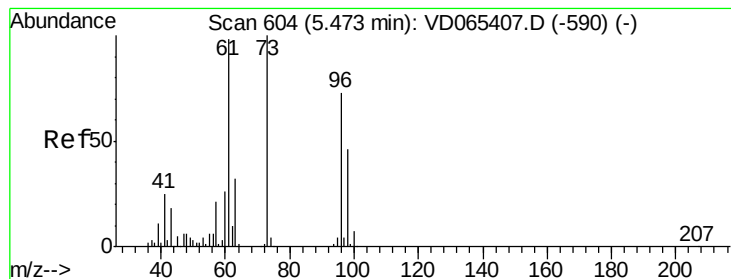
MMDadoda
3/11/2020 3:20:48 PM



#20
Methylene Chloride
Concen: 22.357 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion: 84 Resp: 104177
Ion Ratio Lower Upper
84 100
49 122.7 97.7 146.5
51 38.9 28.8 43.2
86 61.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.123 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

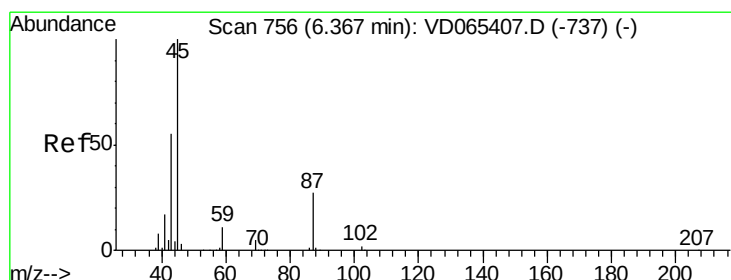
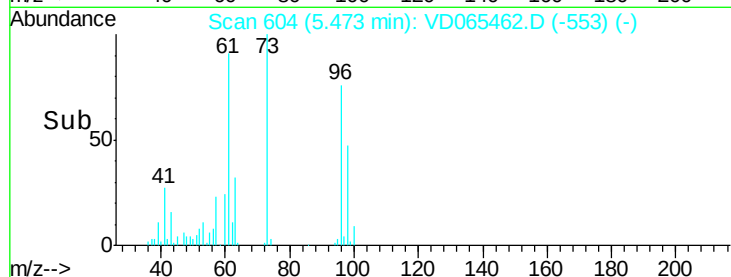
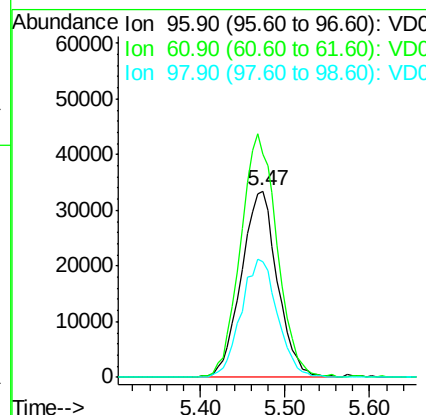
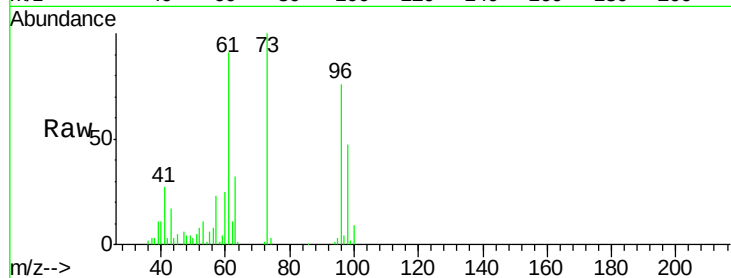
ClientSampleId :

VD0310SBS01

Tot Ion:	96	Resp:	99580
Ion	Ratio	Lower	Upper
96	100		
61	119.9	106.3	159.5
98	61.9	50.2	75.4

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#22

Diisopropyl ether

Concen: 21.809 ug/l

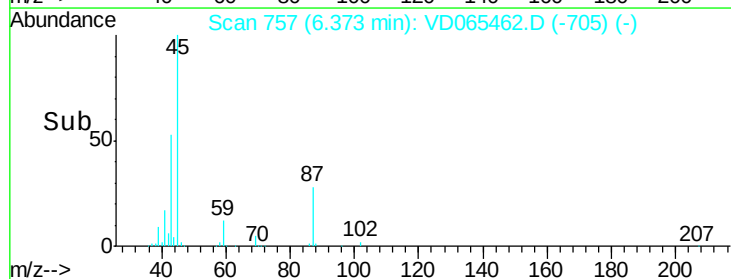
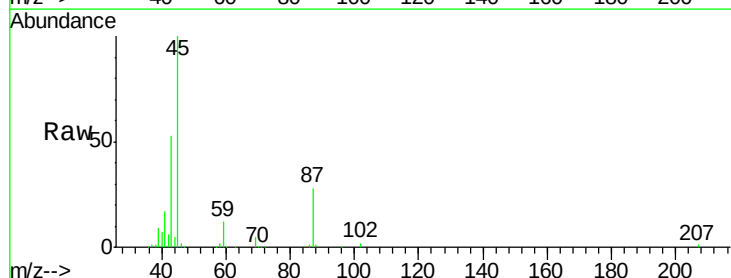
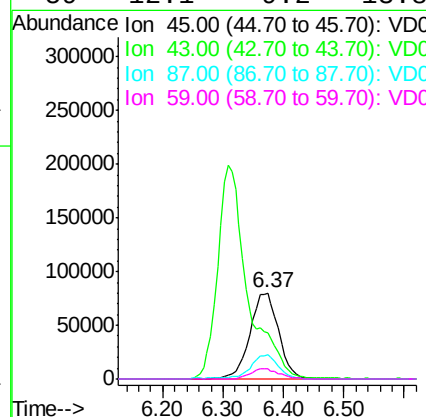
RT: 6.37 min Scan# 757

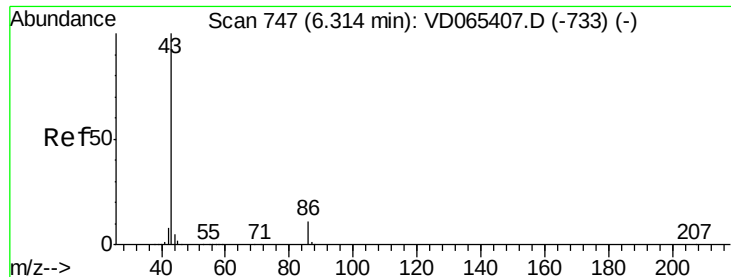
Delta R.T. 0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	45	Resp:	263937
Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.4	66.6
87	28.1	21.9	32.9
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 102.019 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 43 Resp: 685526

Ion Ratio Lower Upper

43 100

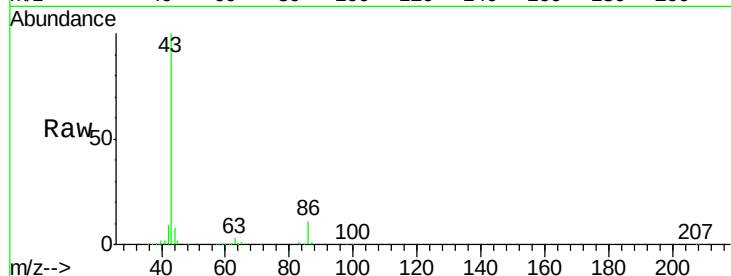
86 10.9 8.9 13.3

Manual Integrations

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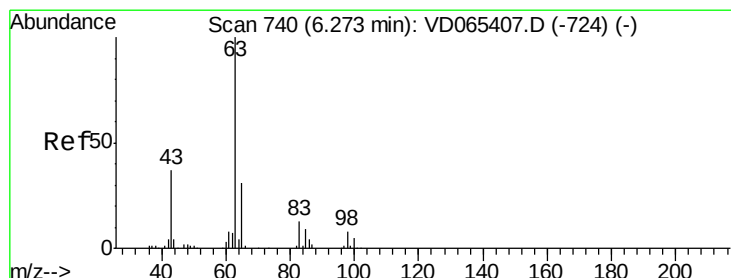
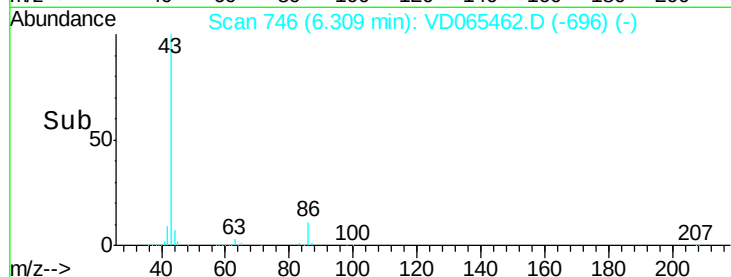
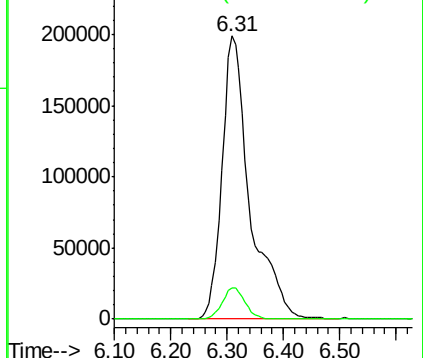
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.964 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

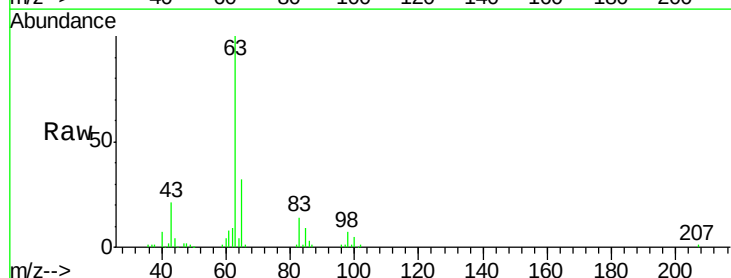
Tgt Ion: 63 Resp: 162734

Ion Ratio Lower Upper

63 100

98 6.7 4.2 12.6

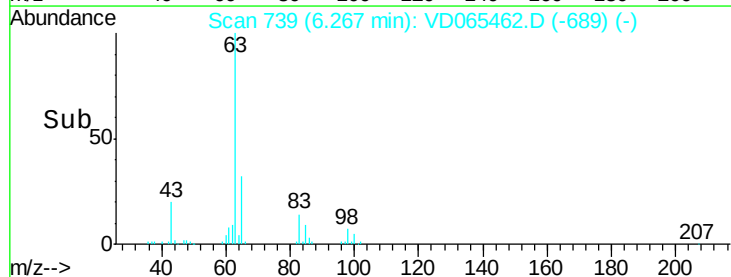
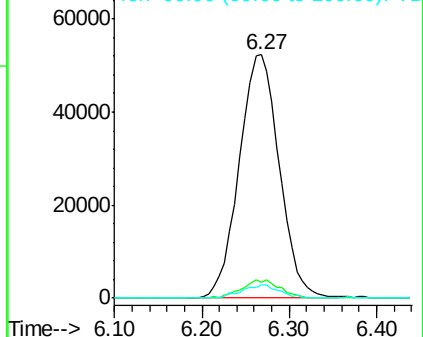
100 5.4 2.4 7.2

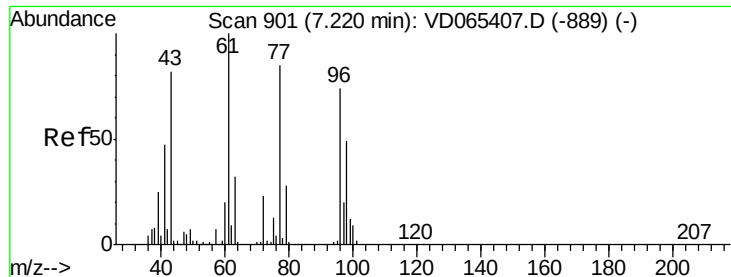


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.553 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 43 Resp: 106317

Ion Ratio Lower Upper

43 100

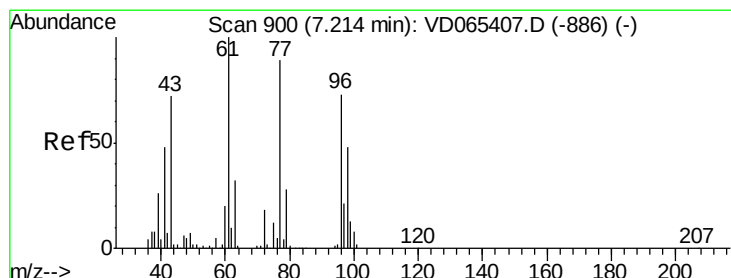
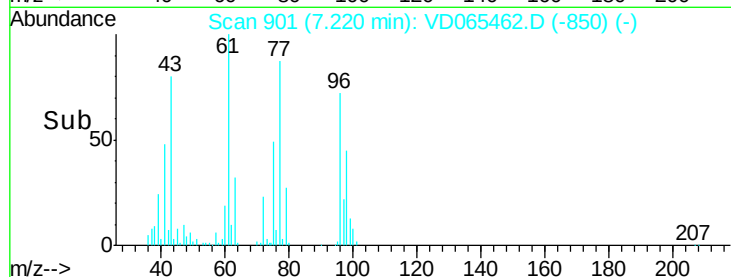
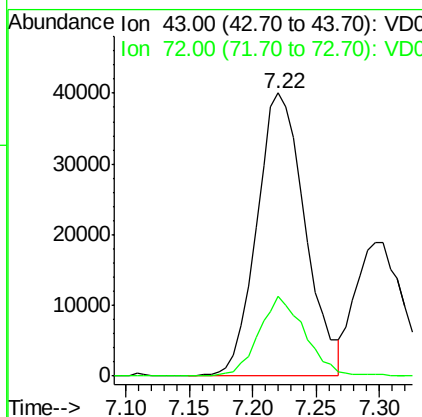
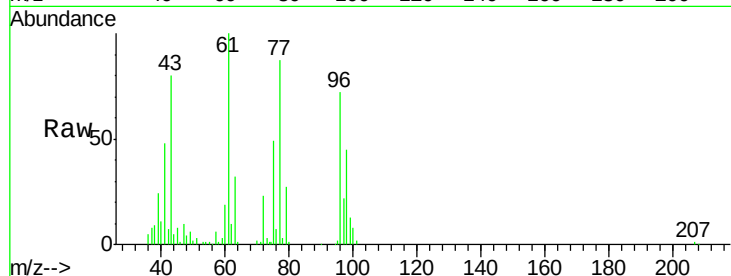
72 28.3 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.998 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065462.D

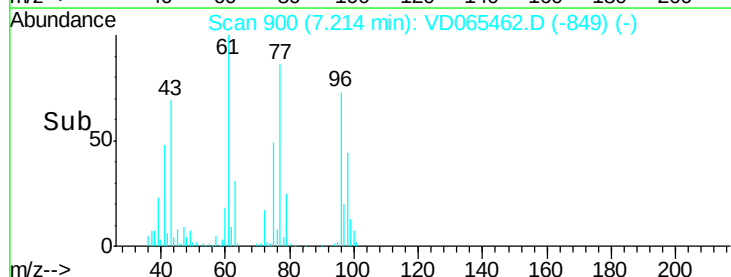
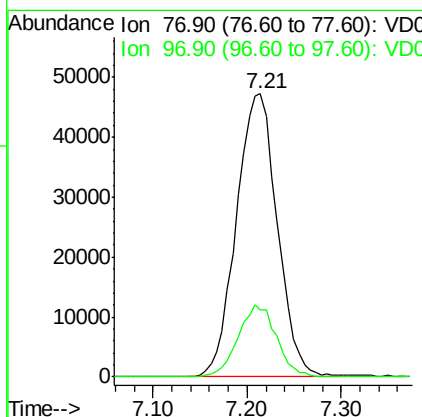
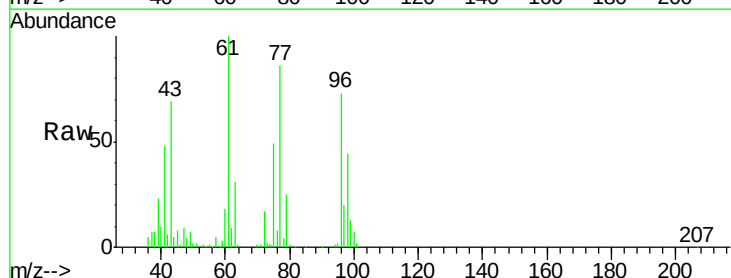
Acq: 10 Mar 2020 13:59

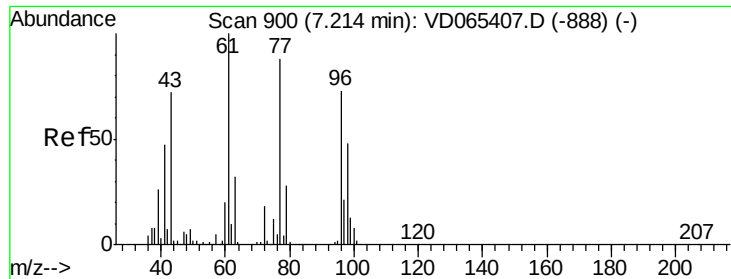
Tgt Ion: 77 Resp: 142437

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4





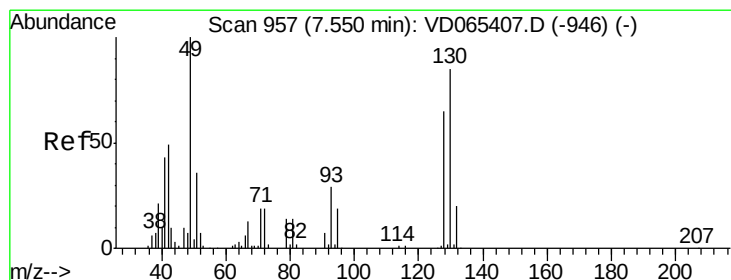
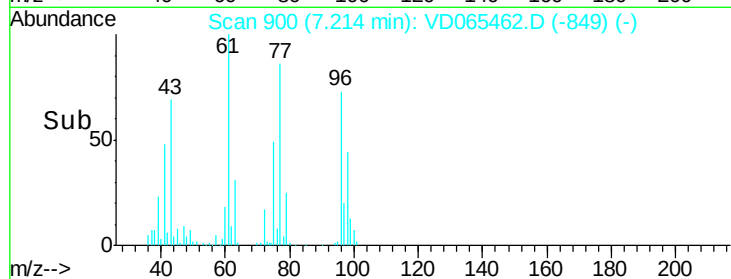
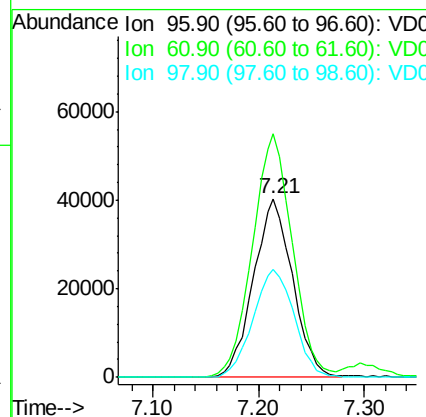
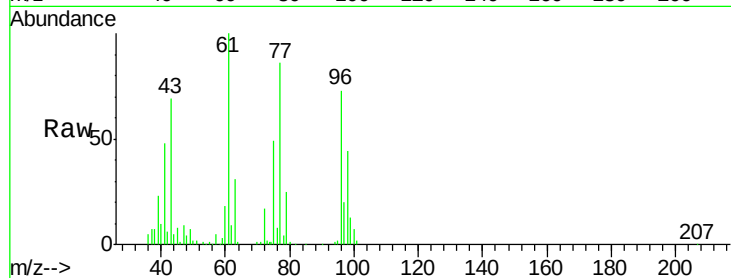
#27
 cis-1,2-Dichloroethene
 Concen: 21.524 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.7	0.0	280.4	
98	63.2	0.0	132.6	

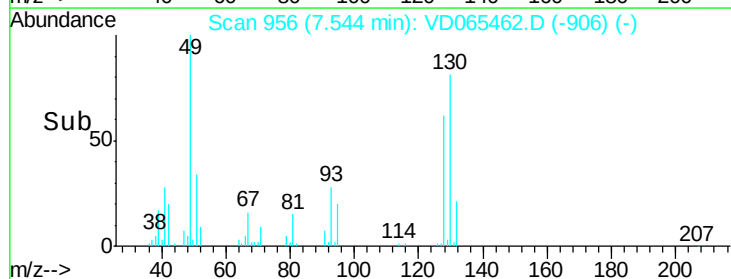
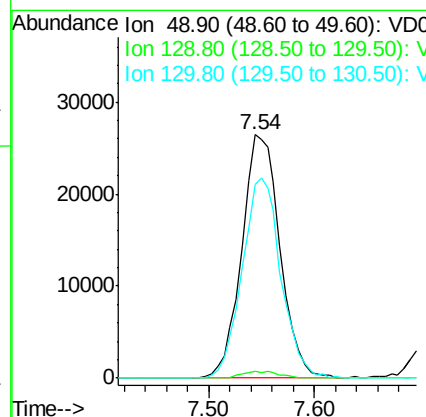
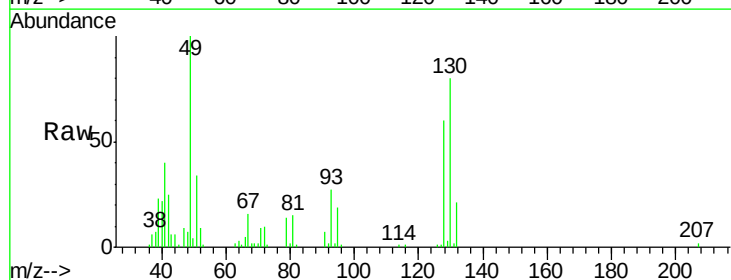
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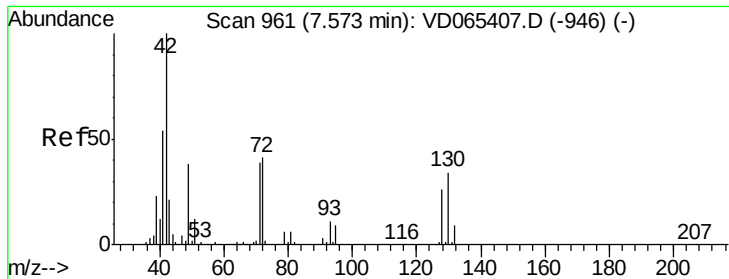
MMDadoda
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#28
 Bromochloromethane
 Concen: 21.366 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	83.2	66.6	100.0	





#29

Tetrahydrofuran

Concen: 97.835 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

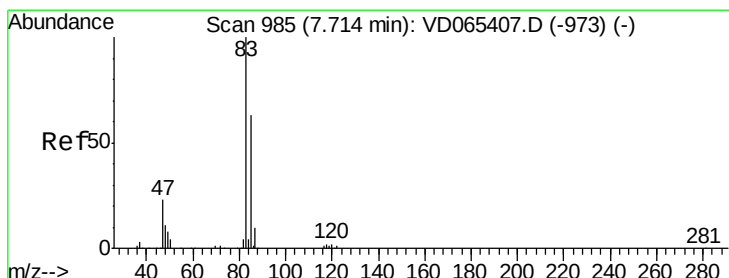
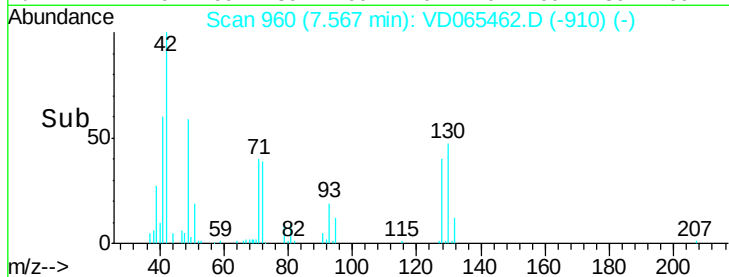
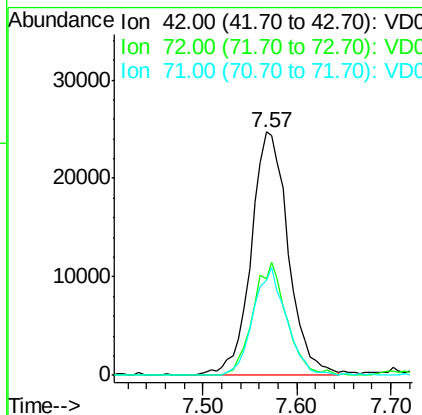
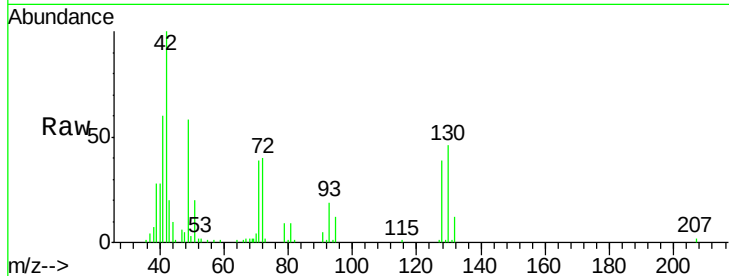
ClientSampleId :

VD0310SBS01

Tot Ion:	42	Resp:	67401
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.0	49.6
71	39.6	32.0	48.0

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#30

Chloroform

Concen: 21.465 ug/l

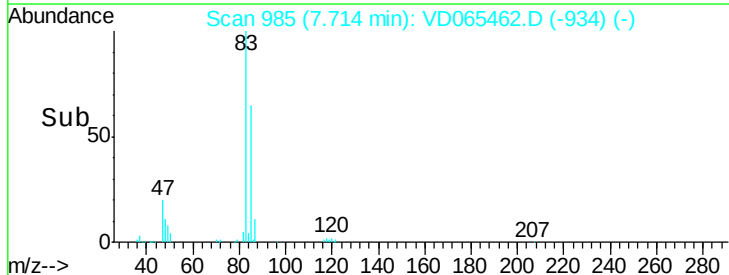
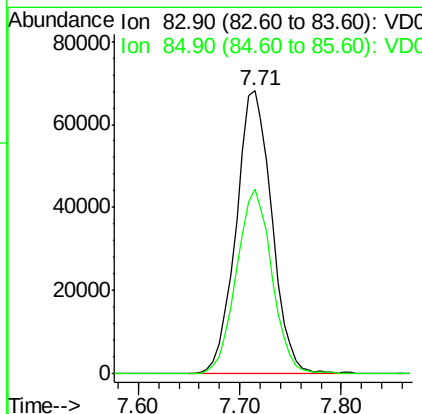
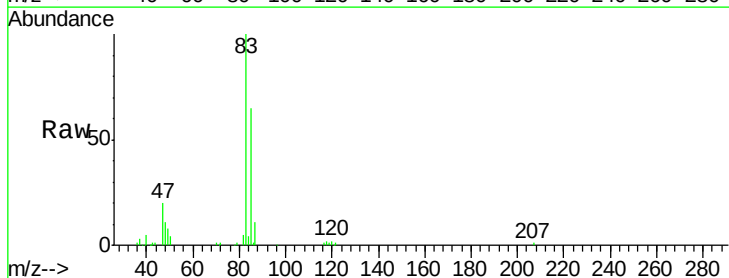
RT: 7.71 min Scan# 985

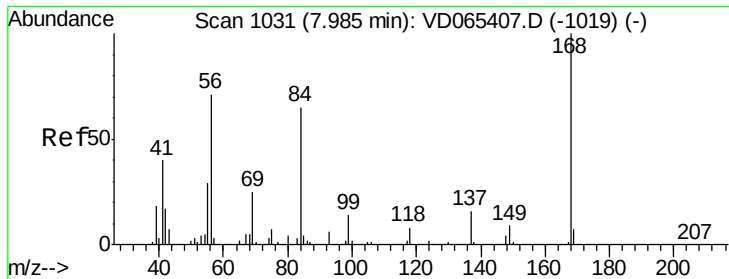
Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	83	Resp:	166541
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.3	75.5





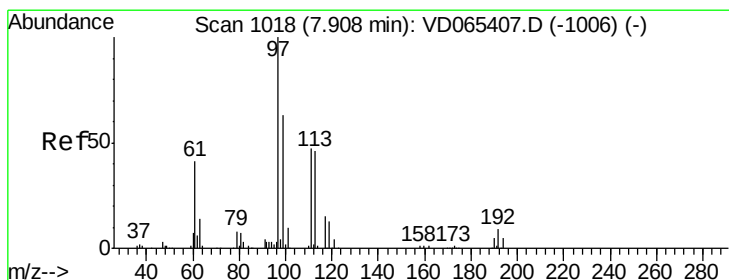
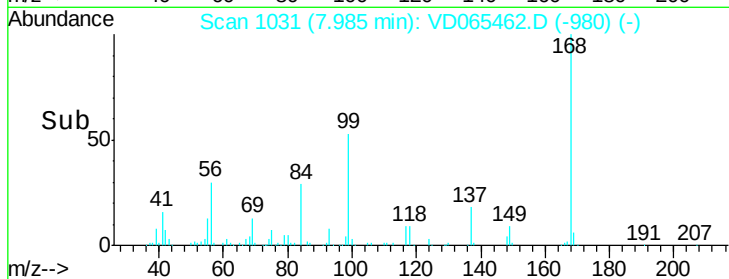
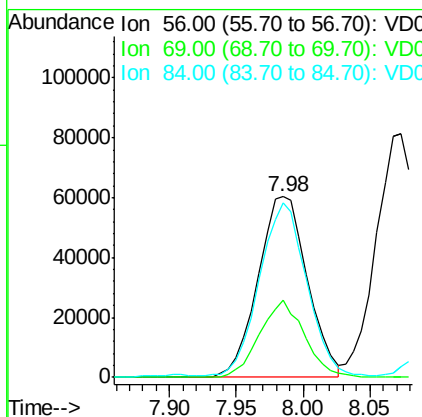
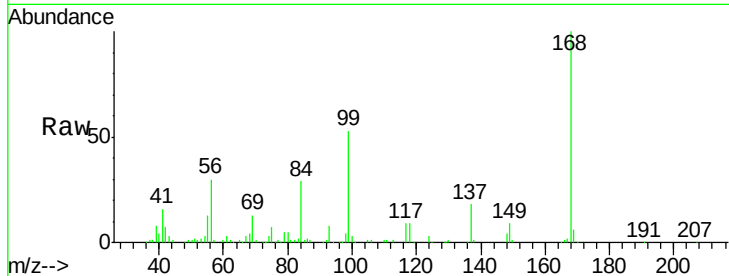
#31
Cyclohexane
Concen: 19.987 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.0	28.3	42.5#
84	95.5	73.1	109.7

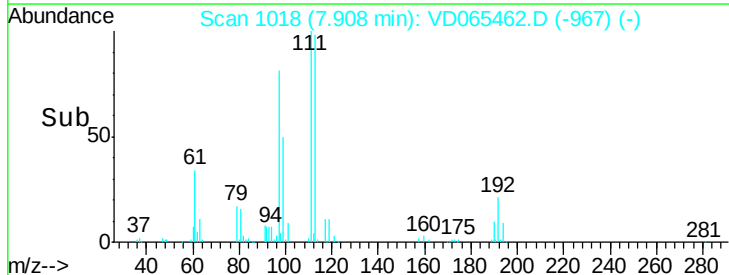
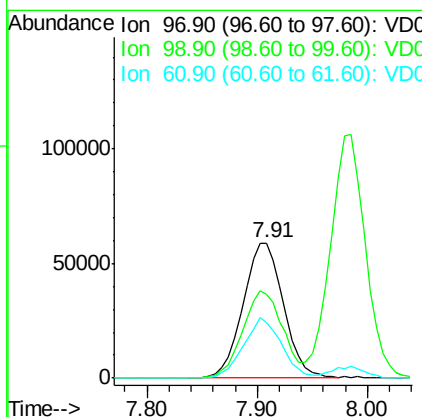
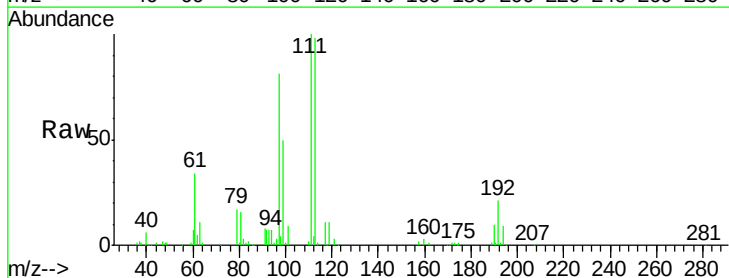
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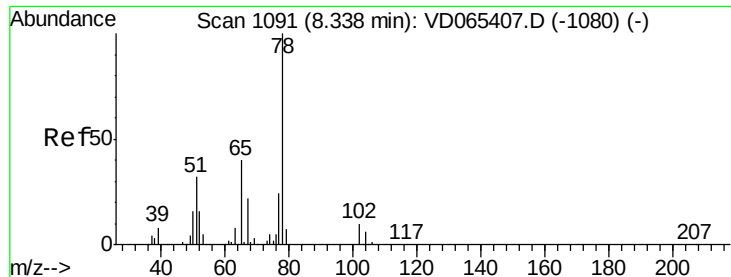
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#32
1,1,1-Trichloroethane
Concen: 21.111 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	42.1	33.2	49.8





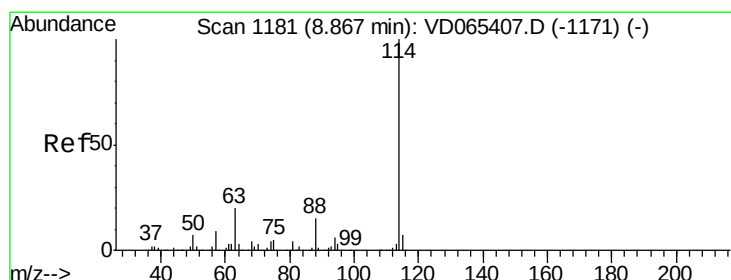
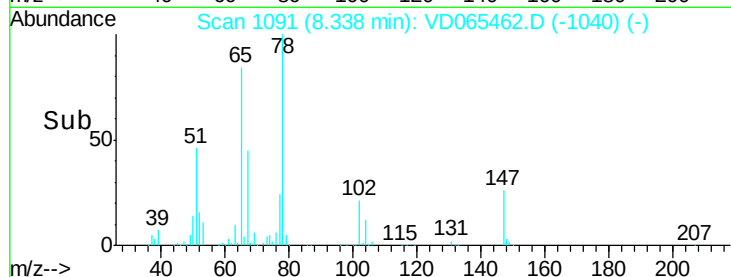
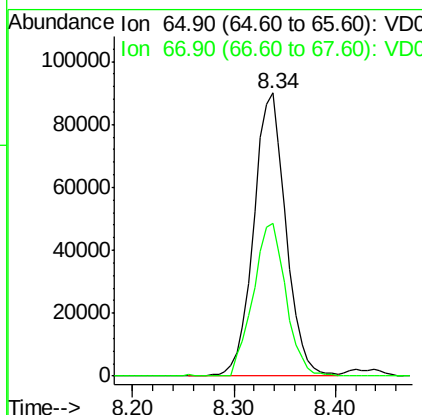
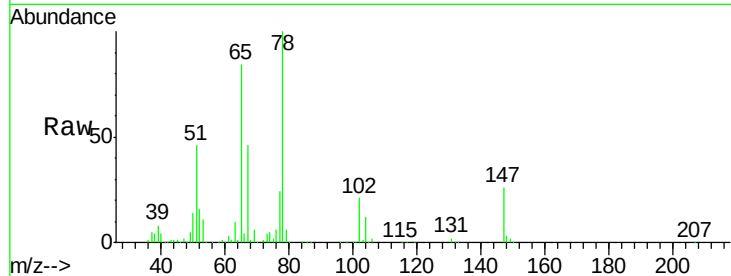
#33
 1,2-Dichloroethane-d4
 Concen: 50.927 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199063		
67	55.4	0.0	108.0	

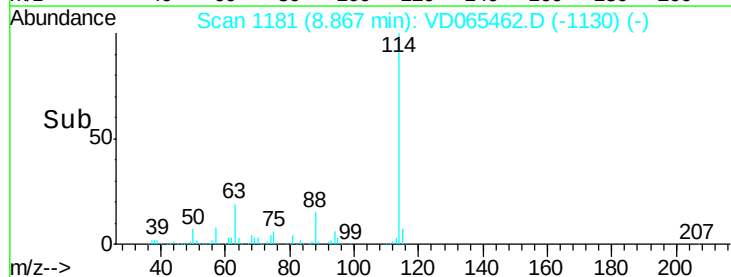
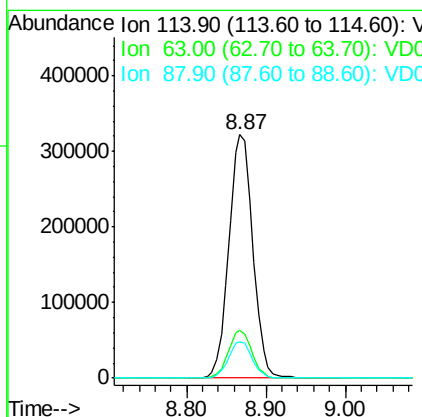
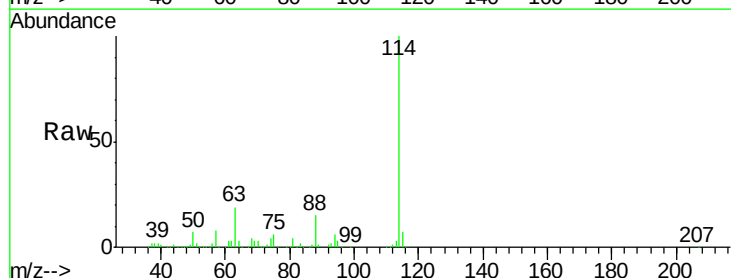
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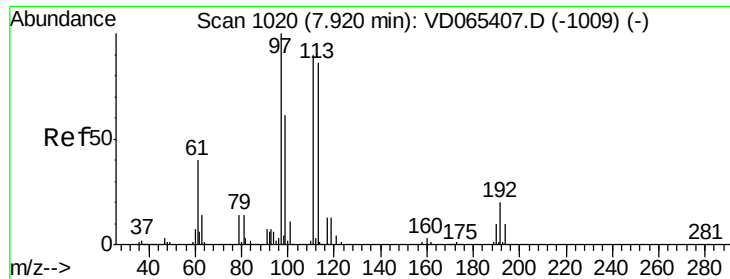
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	671654		
63	19.4	0.0	39.6	
88	14.9	0.0	30.4	





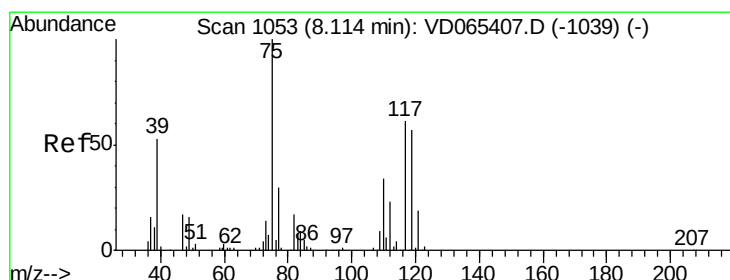
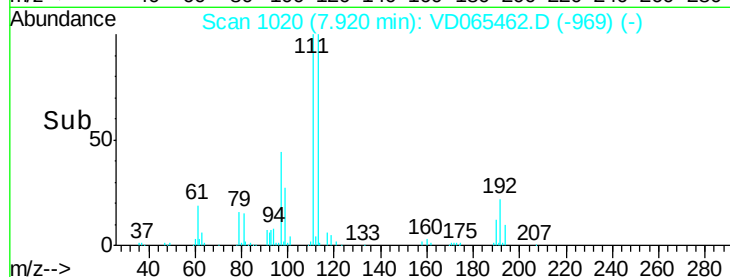
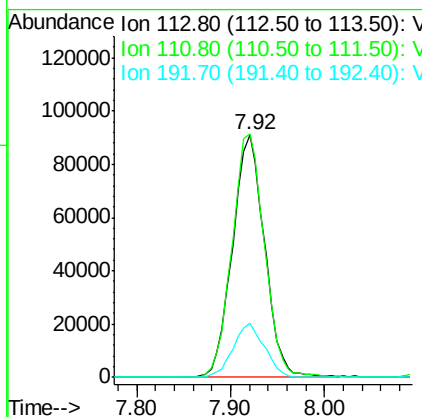
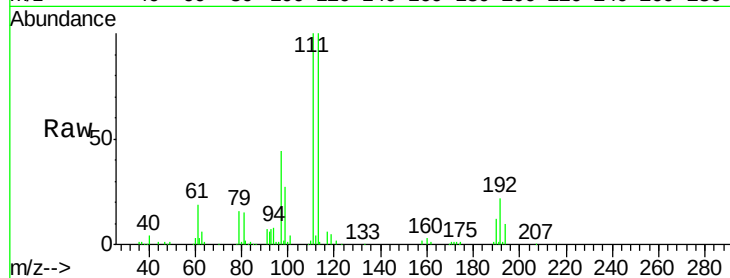
#35
 Dibromofluoromethane
 Concen: 51.861 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.1	123.1
192	21.8	17.2	25.8

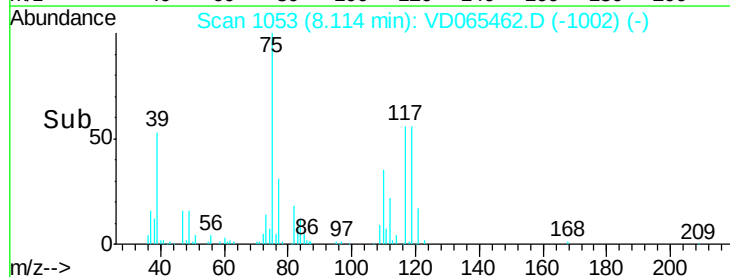
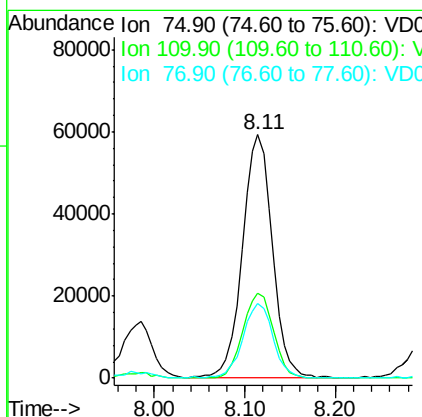
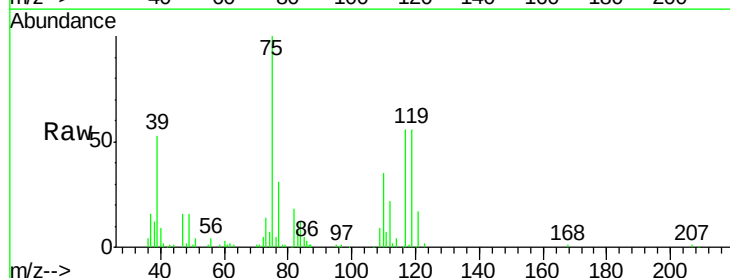
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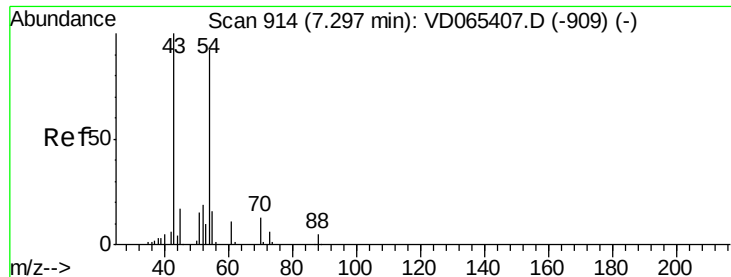
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.138 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	30.9	25.2	37.8





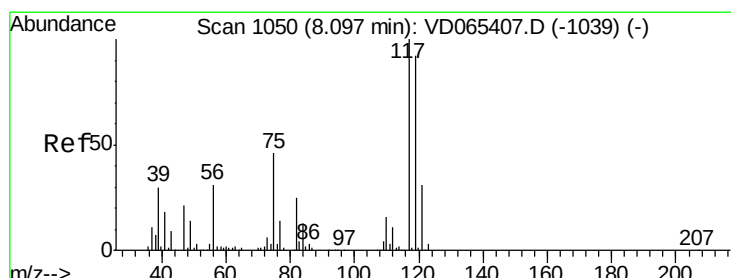
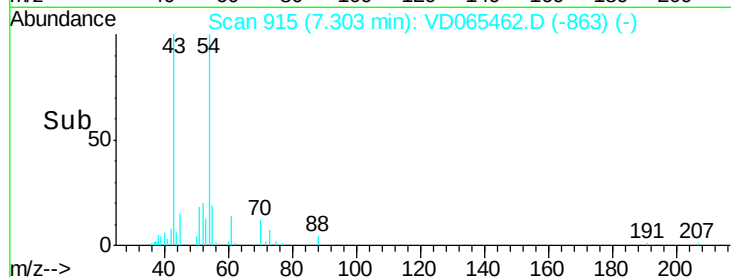
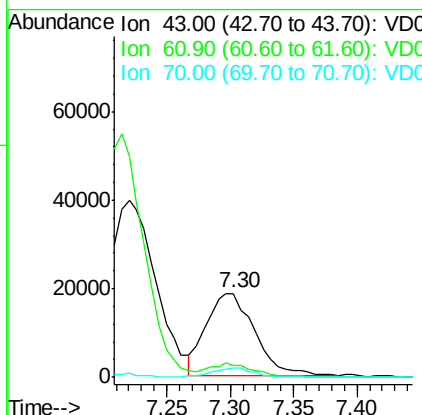
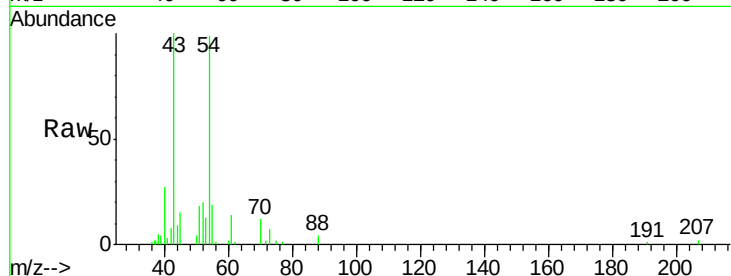
#37
Ethyl Acetate
Concen: 19.842 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.4	17.0
70	10.0	9.0	13.4

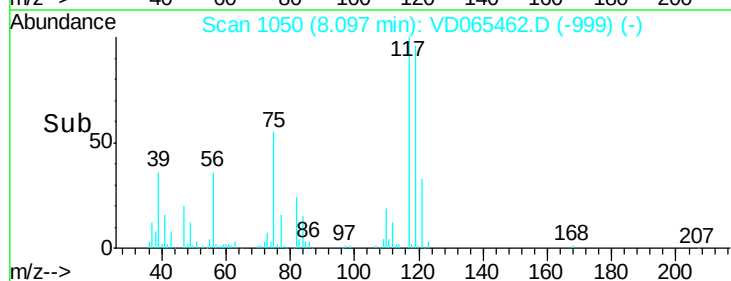
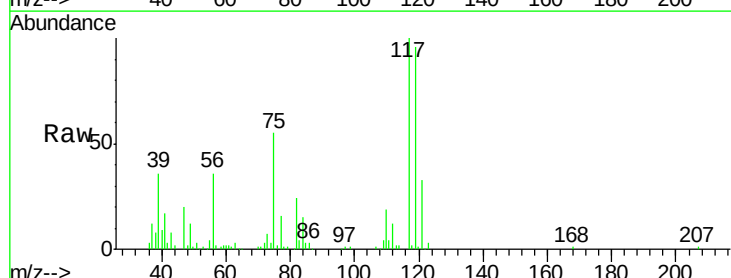
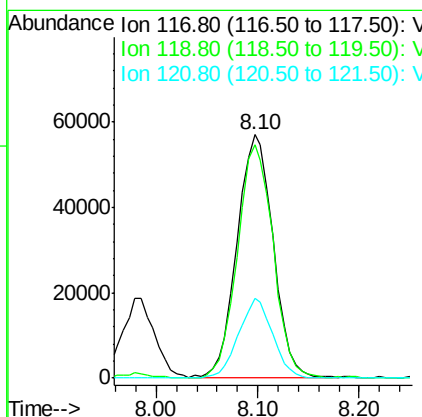
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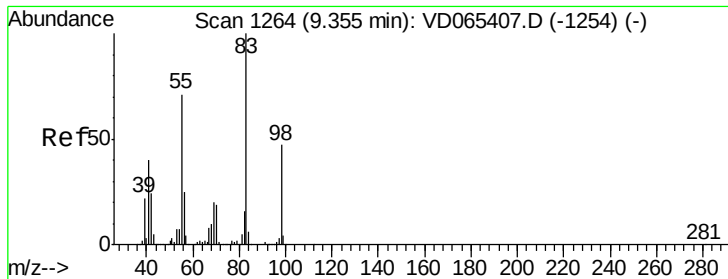
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.261 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	73.3	109.9
121	32.8	25.0	37.4





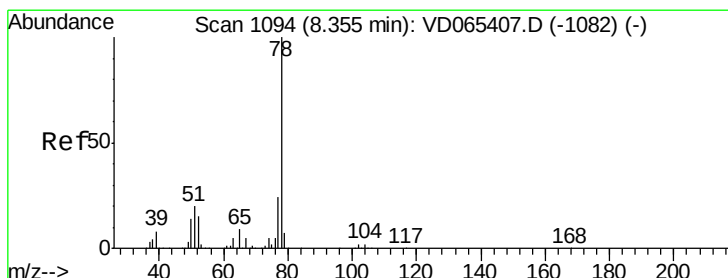
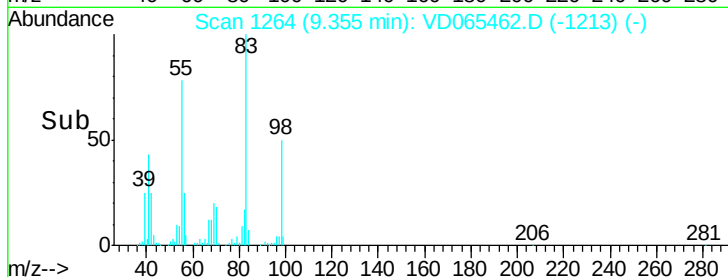
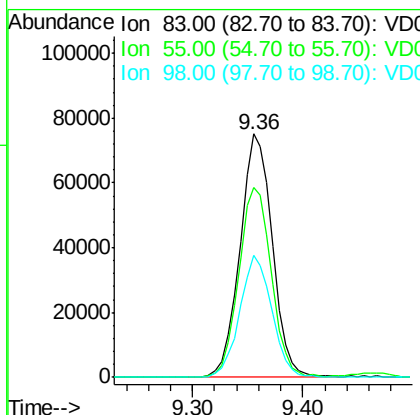
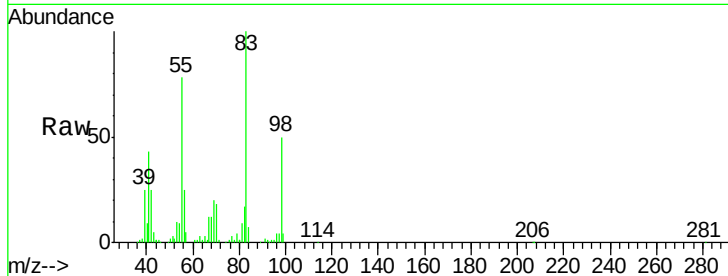
#39
Methylvlcyclohexane
Concen: 19.917 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	83	Resp	154873
Ion Ratio	Lower	Upper	
83	100		
55	78.0	57.1	85.7
98	50.3	37.8	56.8

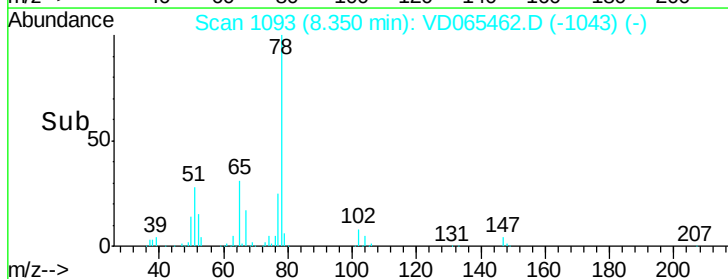
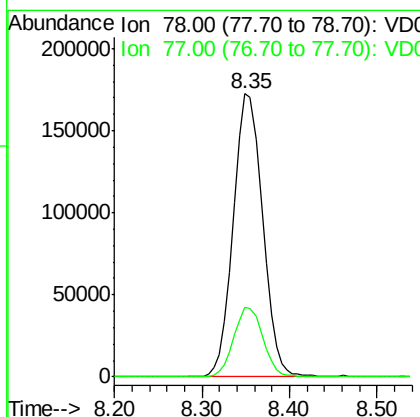
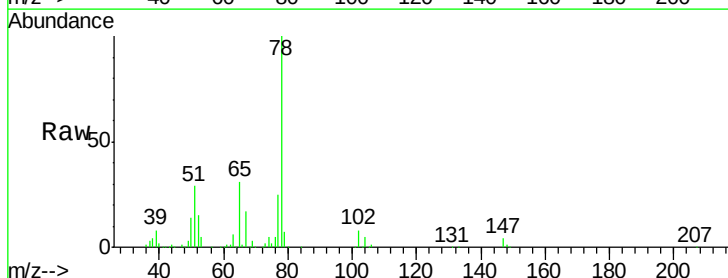
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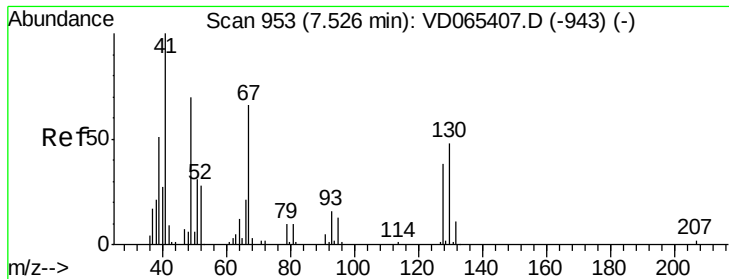
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#40
Benzene
Concen: 21.853 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	78	Resp	393372
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.4	29.0





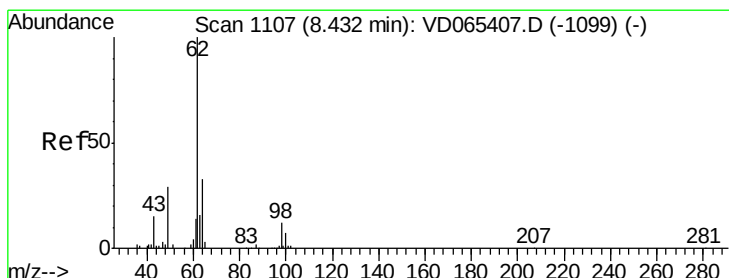
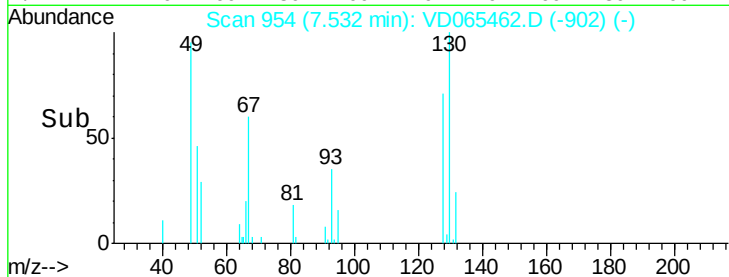
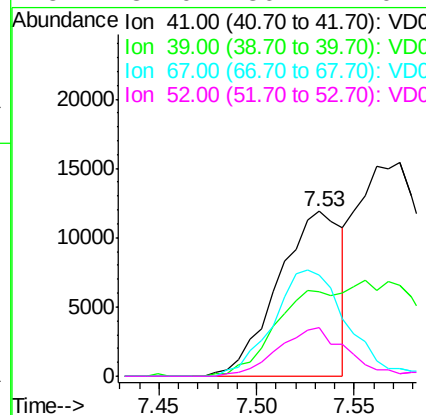
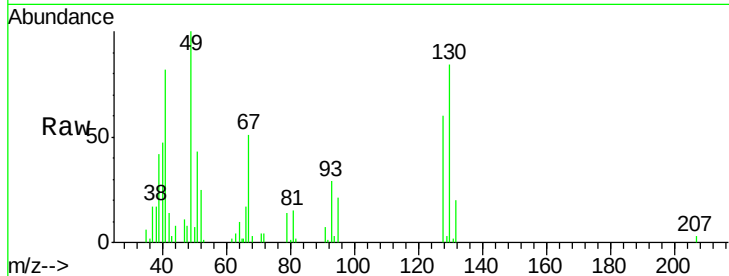
#41
Methacrylonitrile
Concen: 20.527 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.8	55.0	82.6#
67	73.8	70.3	105.5
52	32.0	30.7	46.1

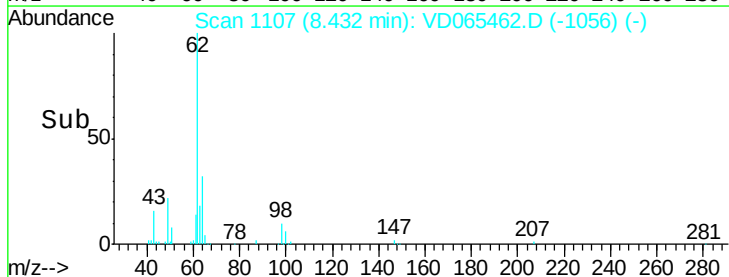
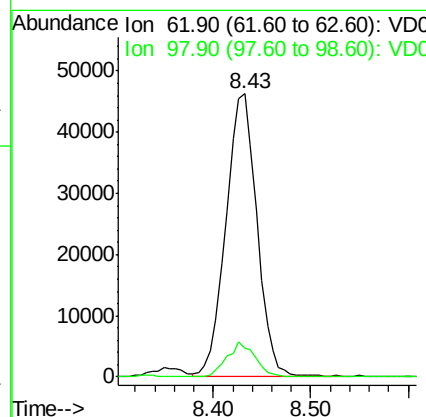
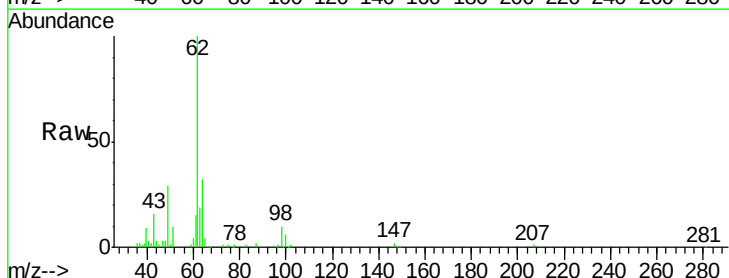
Manual Integrations
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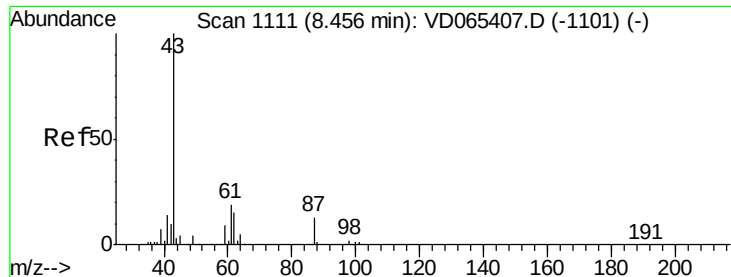
MMDadoda
3/11/2020 3:20:48 PM



#42
1,2-Dichloroethane
Concen: 21.840 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





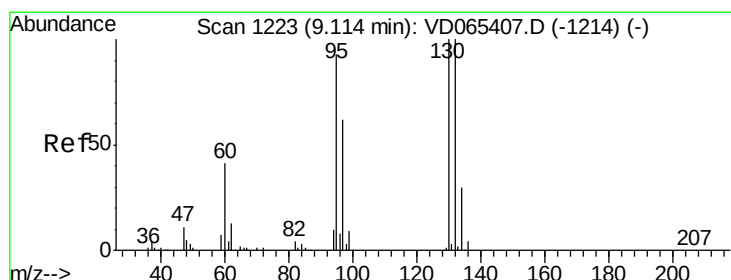
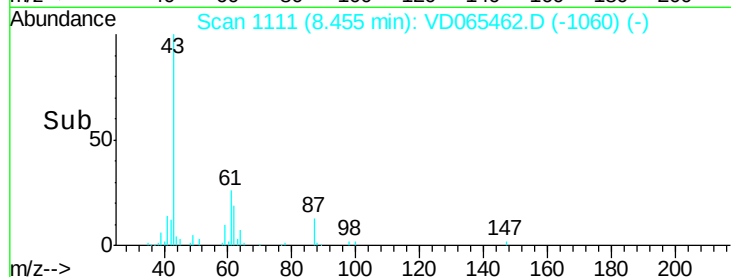
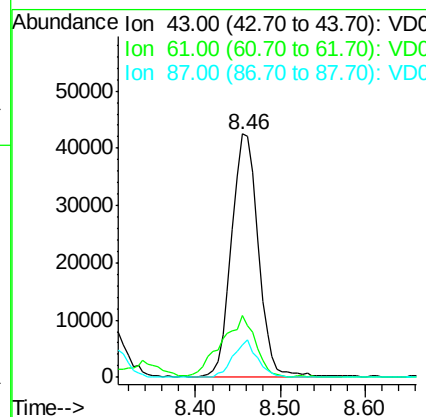
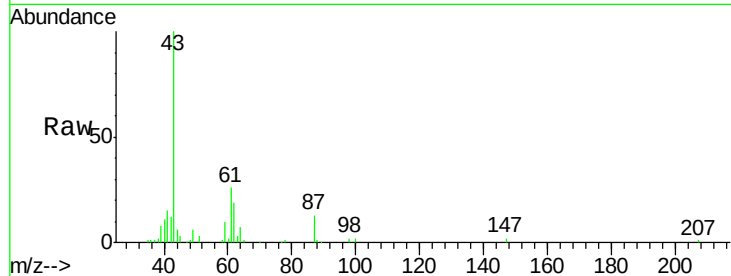
#43
Isopropyl Acetate
Concen: 20.377 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	43	Resp	93627
Ion Ratio	100	Lower	Upper
43	100		
61	32.5	25.0	37.6
87	13.6	11.0	16.4

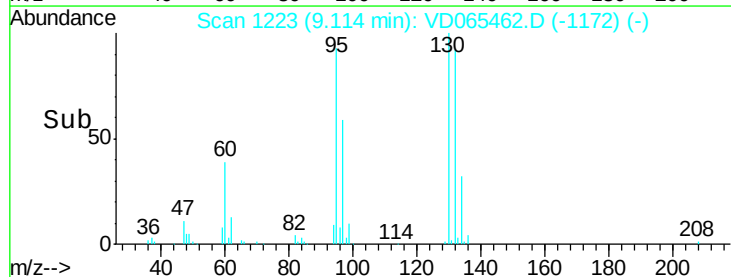
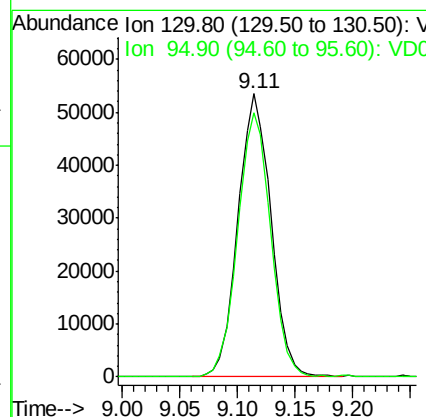
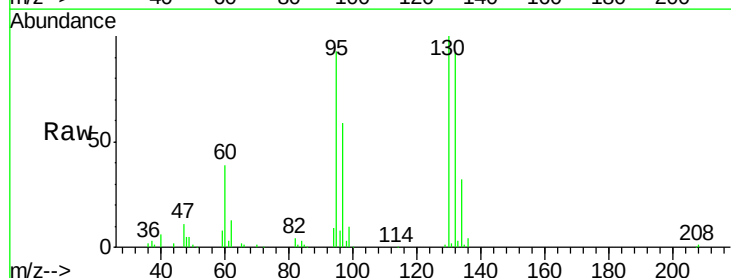
Manual Integrations
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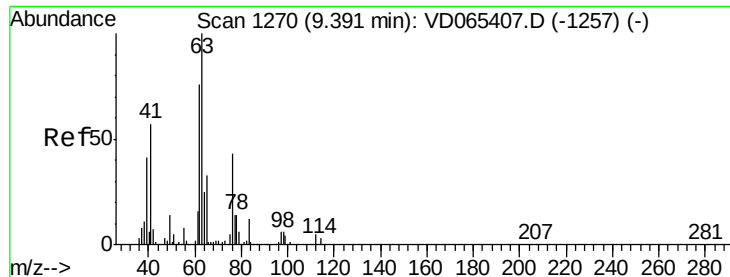
MMDadoda
3/11/2020 3:20:48 PM



#44
Trichloroethene
Concen: 20.858 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	130	Resp	106035
Ion Ratio	100	Lower	Upper
130	100		
95	93.1	0.0	186.0





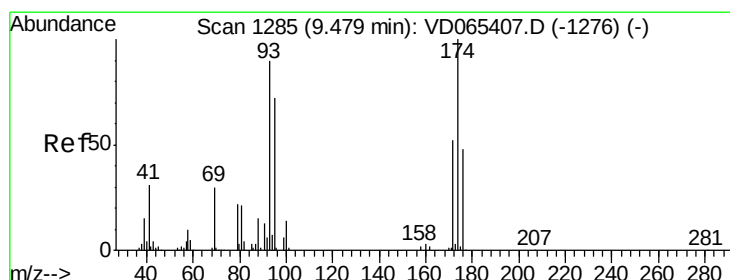
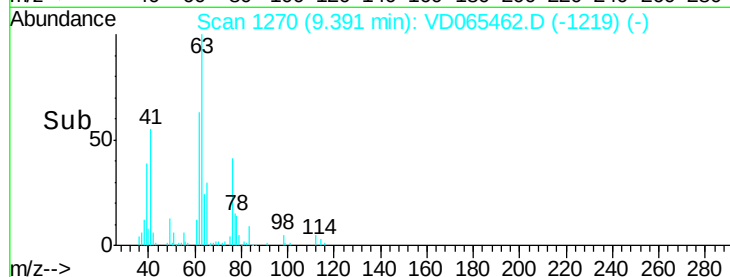
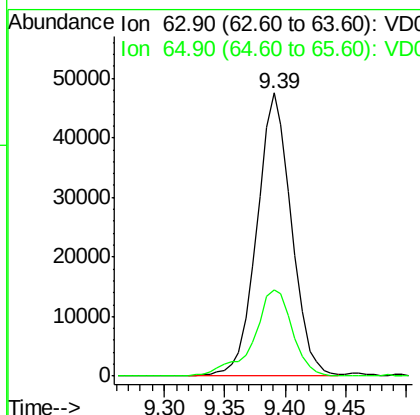
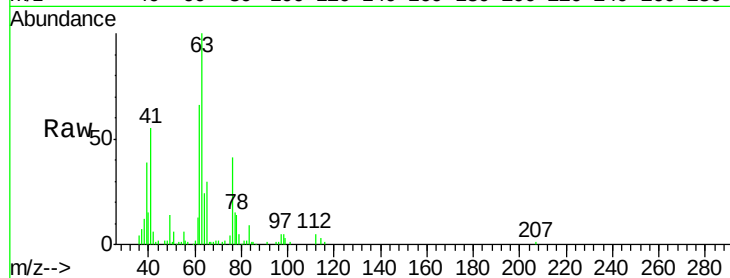
#45
 1,2-Dichloropropane
 Concen: 21.726 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	26.4	39.6

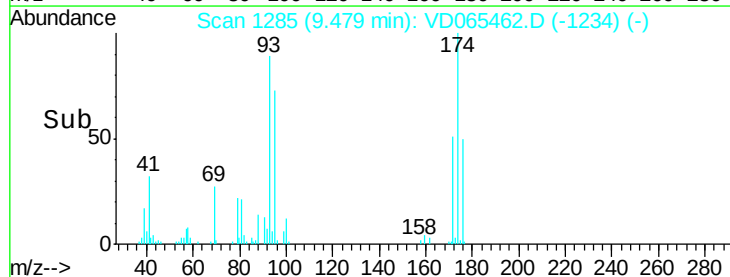
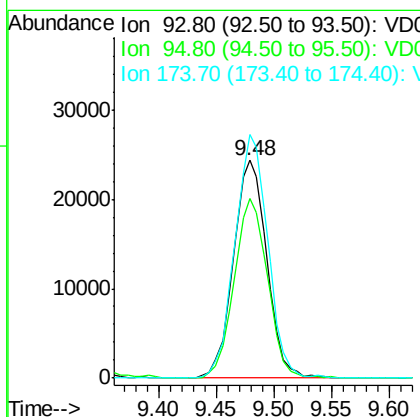
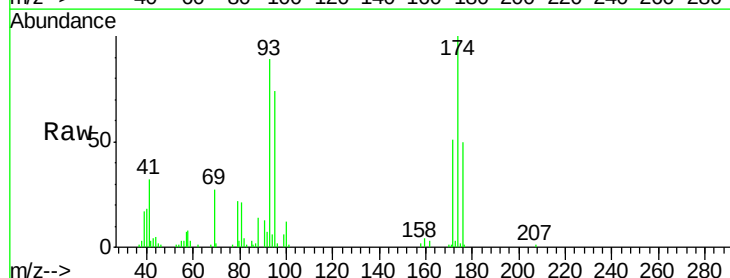
Manual Integrations
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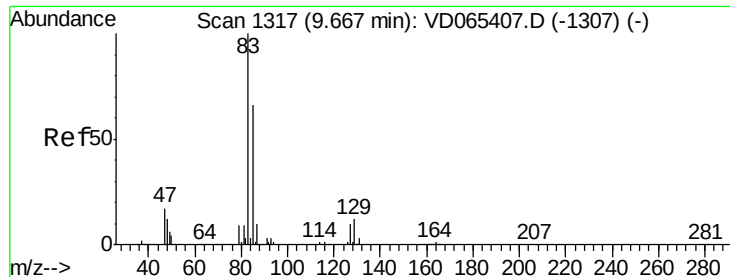
MMDadoda
 3/11/2020 3:20:48 PM



#46
 Dibromomethane
 Concen: 21.582 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	110.6	88.3	132.5





#47

Bromodichloromethane

Concen: 21.335 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

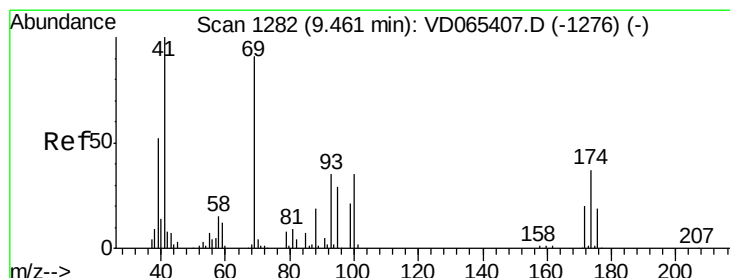
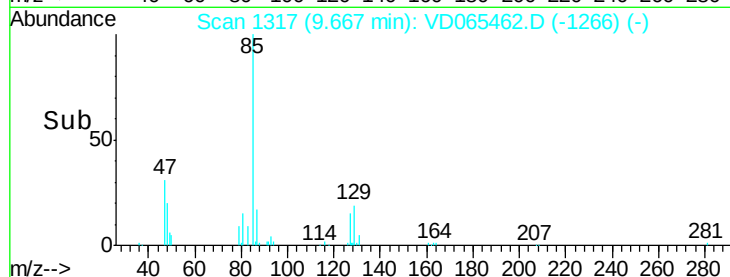
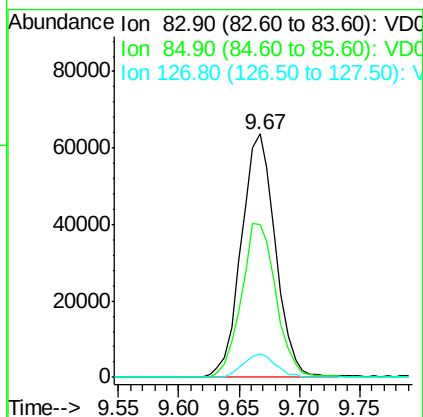
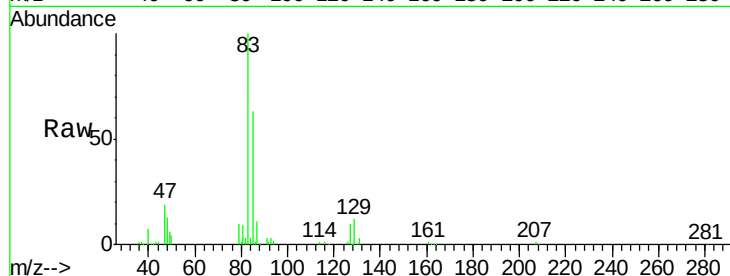
ClientSampleId :

VD0310SBS01

Tot Ion:	83	Resp:	125539
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
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MMDadoda
3/11/2020 3:20:48 PM



#48

Methyl methacrylate

Concen: 21.256 ug/l

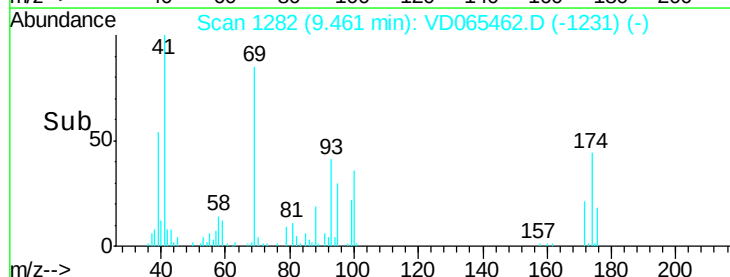
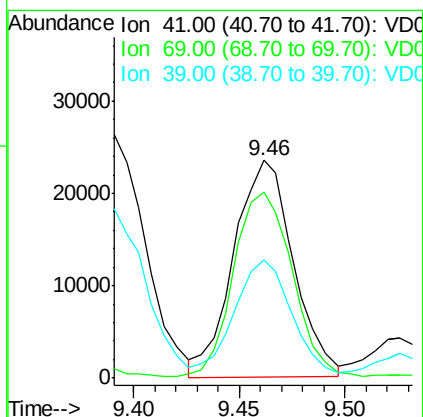
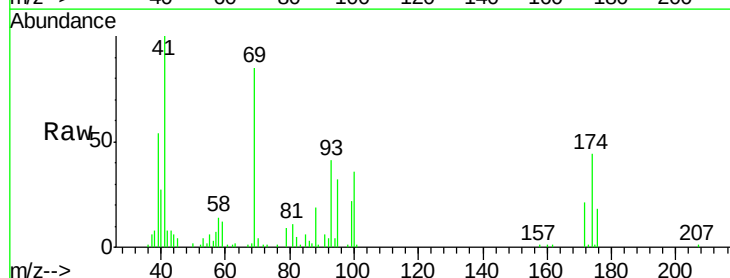
RT: 9.46 min Scan# 1282

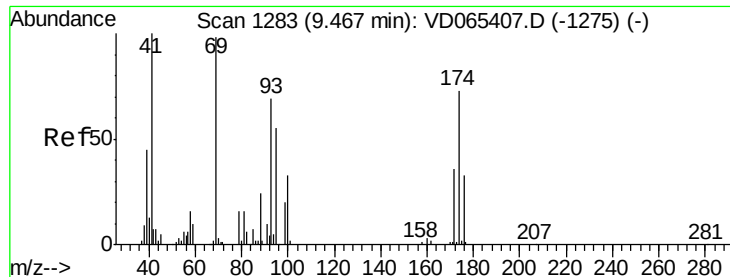
Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	41	Resp:	45941
Ion	Ratio	Lower	Upper
41	100		
69	83.6	72.5	108.7
39	48.1	41.6	62.4





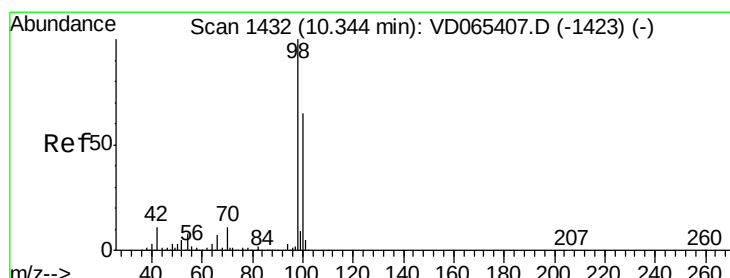
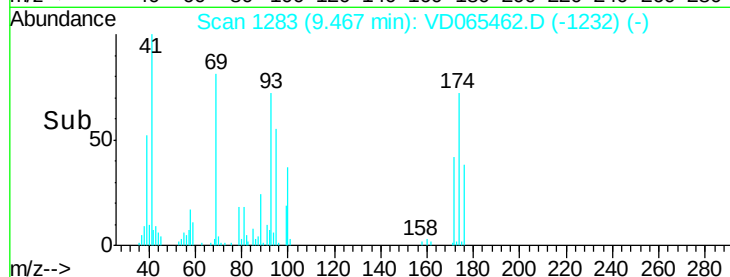
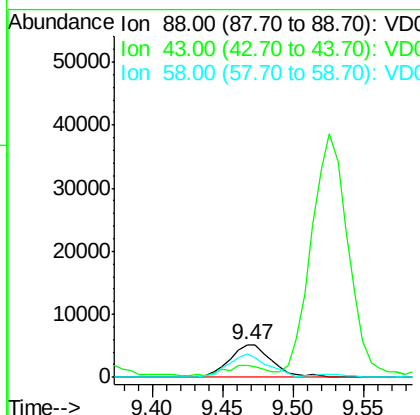
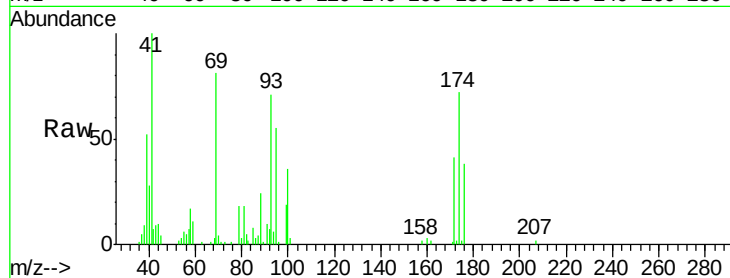
#49
1,4-Dioxane
Concen: 424.560 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.5	36.7
58	68.3	54.5	81.7

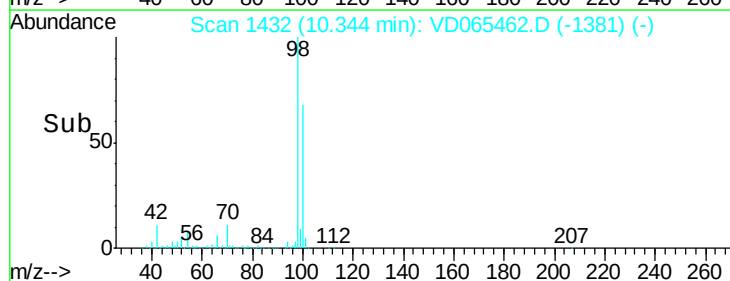
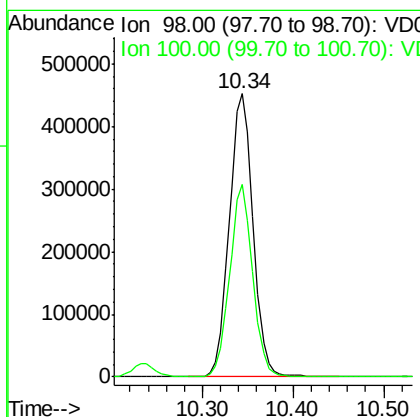
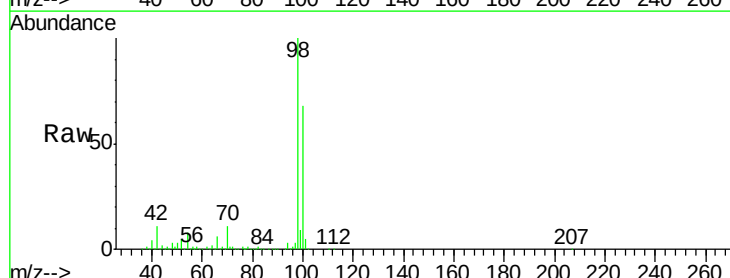
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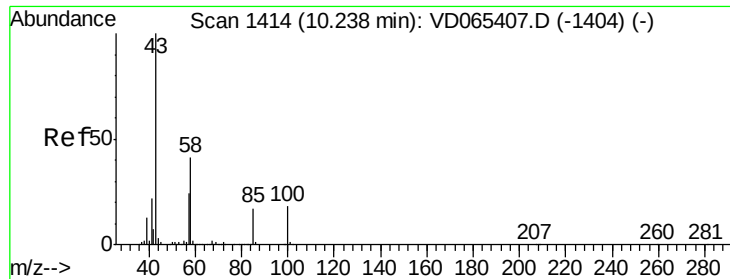
MMDadoda
3/11/2020 3:20:48 PM



#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





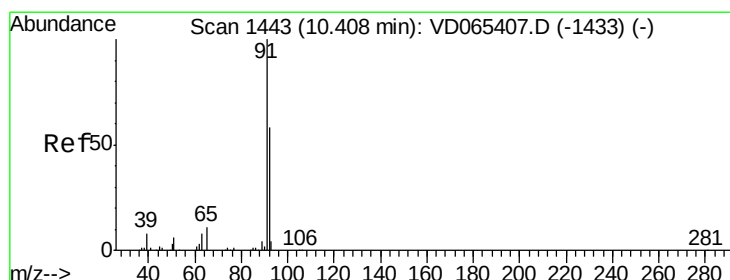
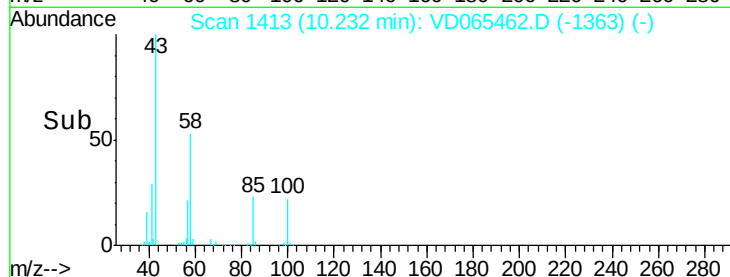
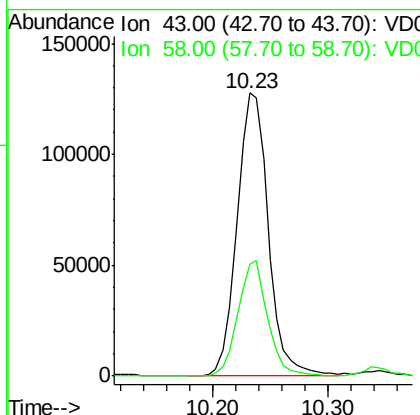
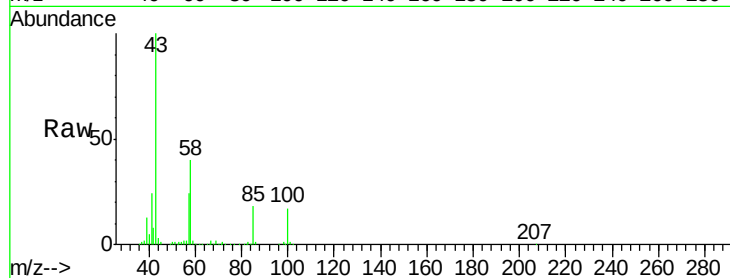
#51
4-Methyl-2-Pentanone
Concen: 103.767 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.8	47.6

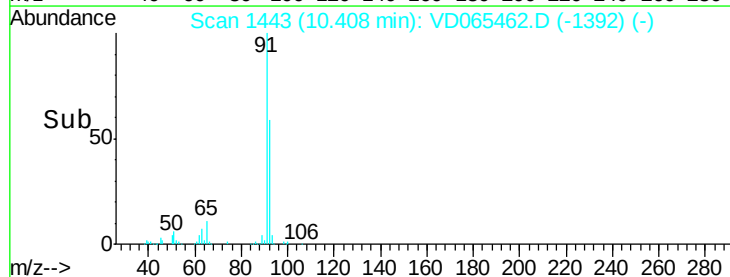
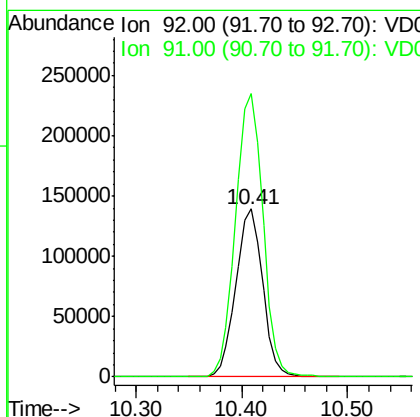
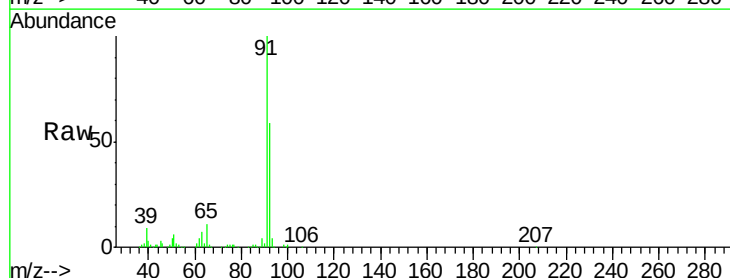
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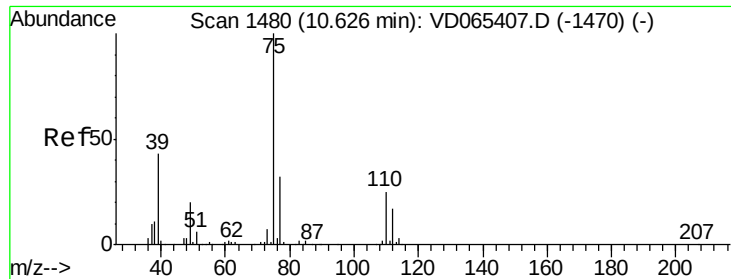
MMDadoda
3/11/2020 3:20:48 PM



#52
Toluene
Concen: 21.633 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.8	206.8





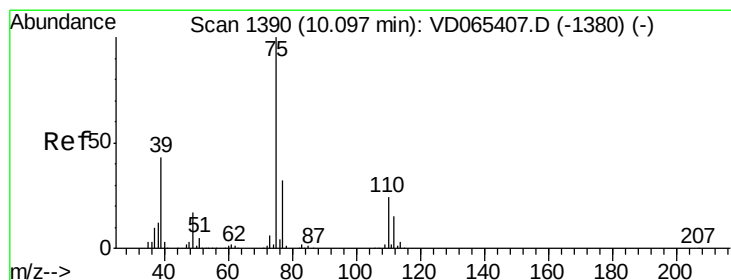
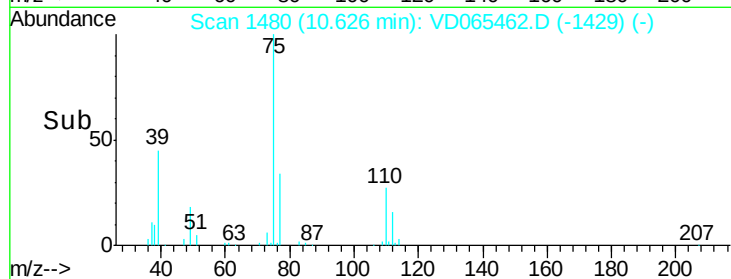
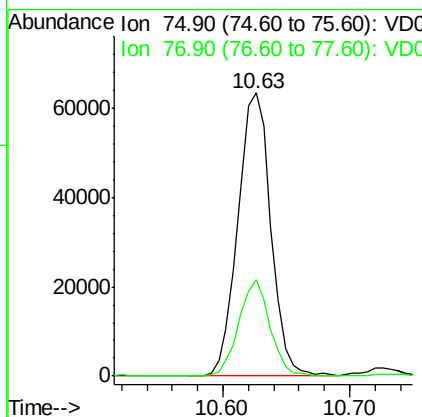
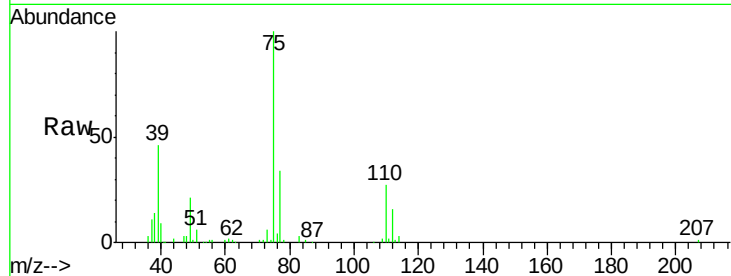
#53
t-1,3-Dichloropropene
Concen: 20.856 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.4	38.2

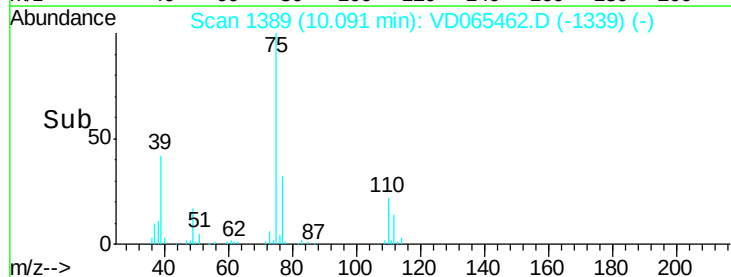
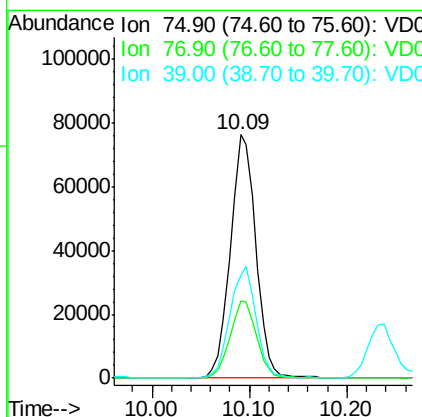
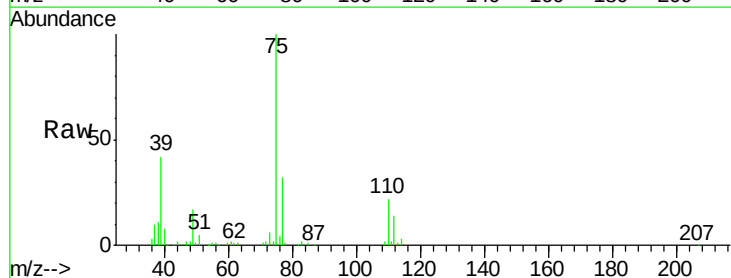
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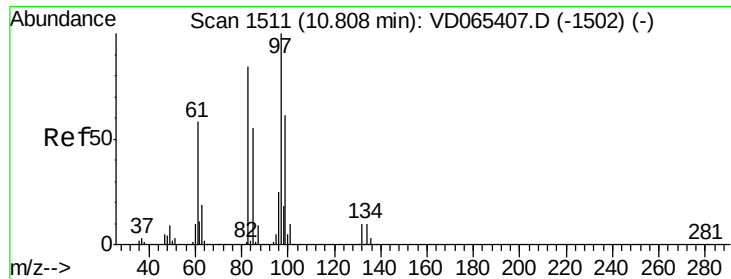
MMDadoda
3/11/2020 3:20:48 PM



#54
cis-1,3-Dichloropropene
Concen: 20.849 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	42.0	34.6	52.0





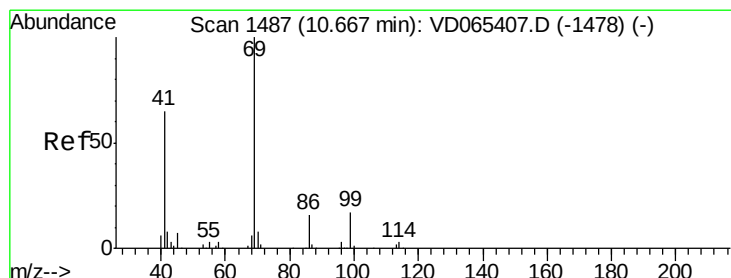
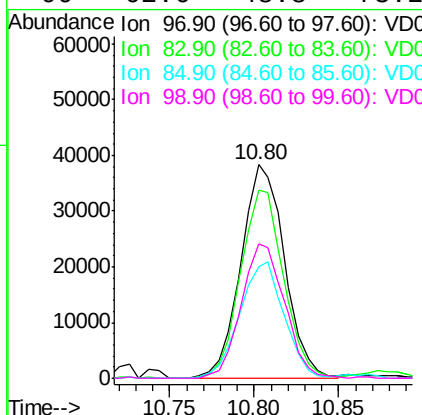
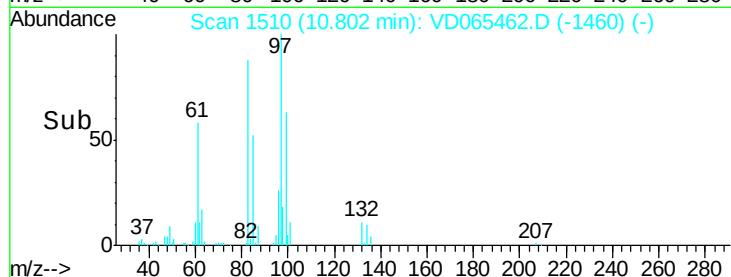
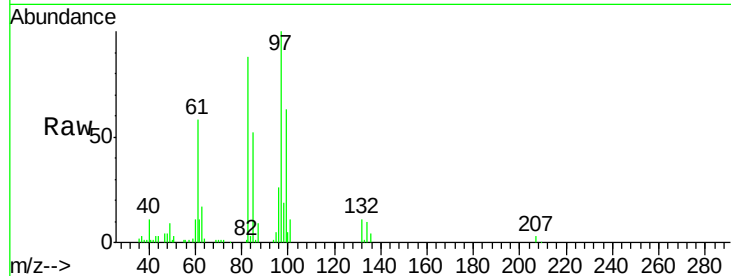
#55
 1,1,2-Trichloroethane
 Concen: 21.447 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	67.4	101.0
85	52.1	43.8	65.8
99	62.6	48.8	73.2

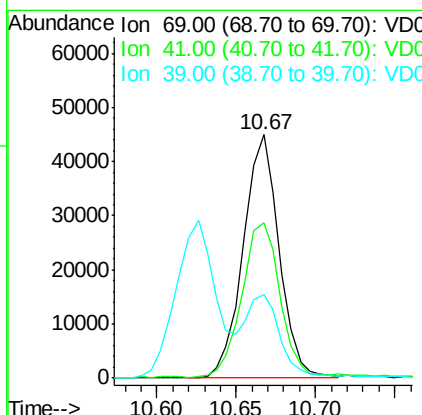
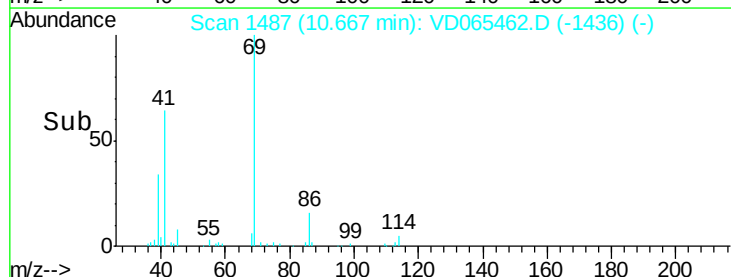
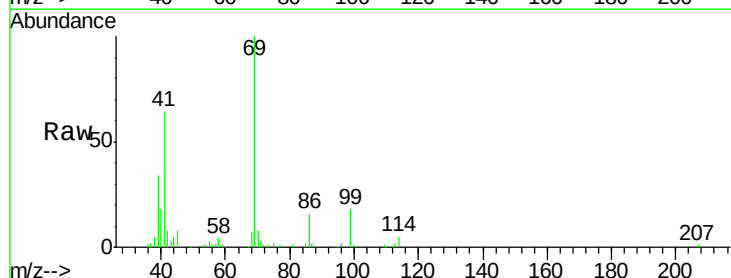
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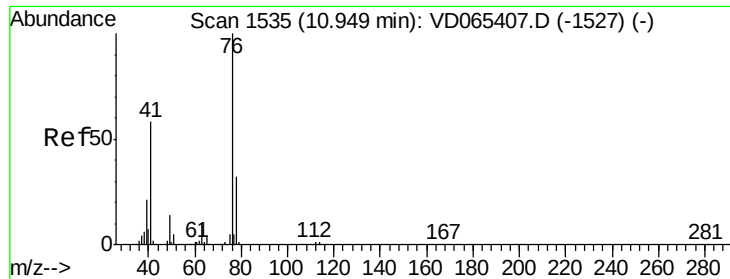
MMDadoda
 3/11/2020 3:20:48 PM



#56
 Ethyl methacrylate
 Concen: 19.612 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.0	79.6
39	33.6	26.0	39.0





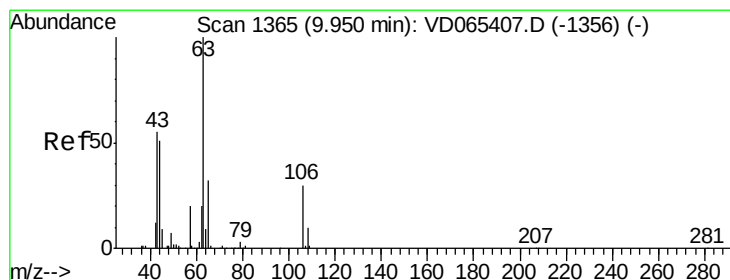
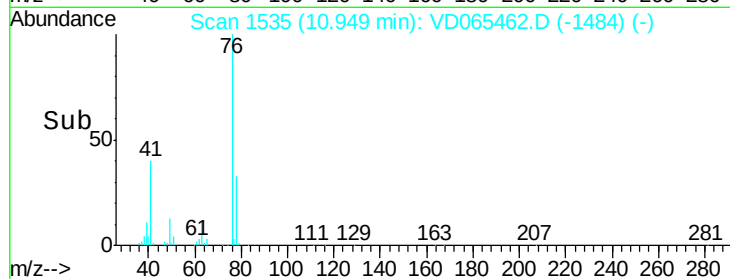
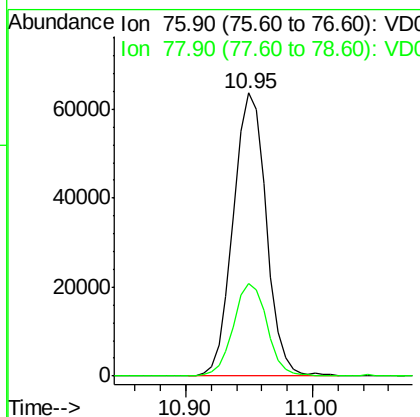
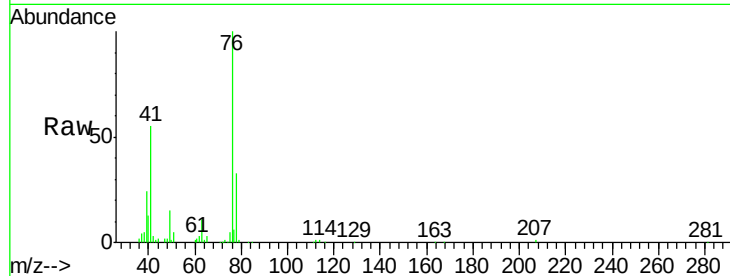
#57
 1,3-Dichloropropane
 Concen: 21.186 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.0	39.0

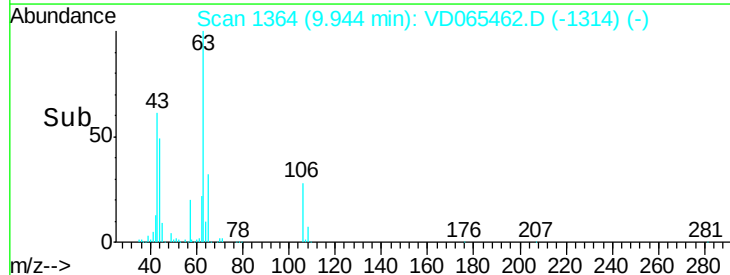
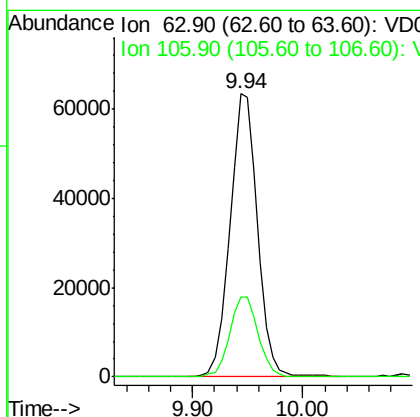
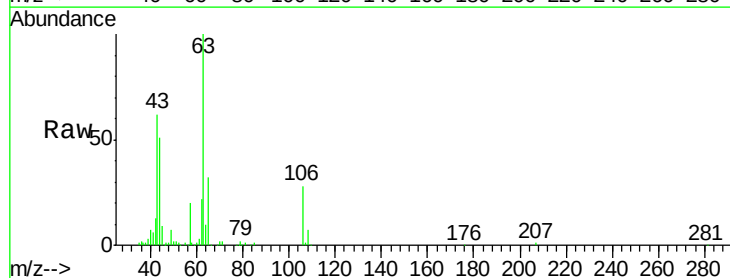
Manual Integrations
 APPROVED

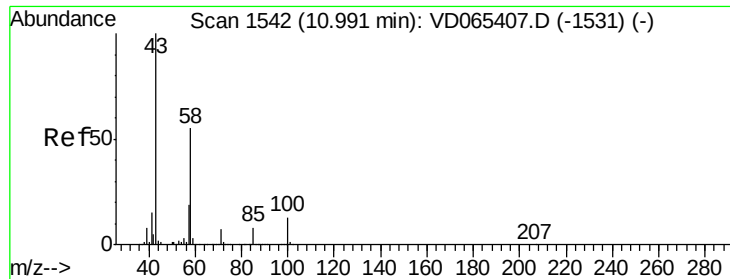
MMDadoda
 3/11/2020 3:20:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.488 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.3	34.9





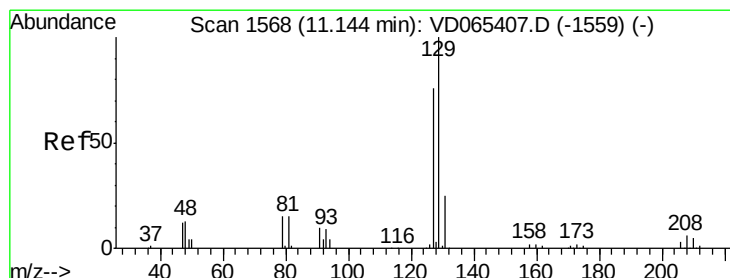
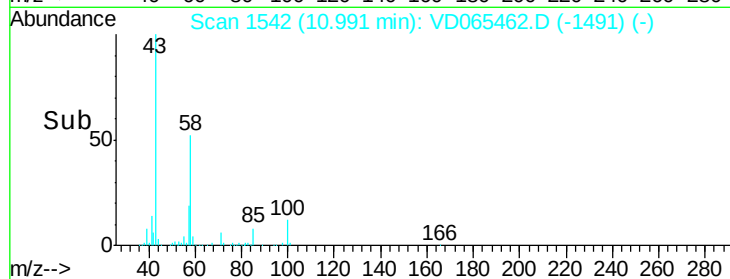
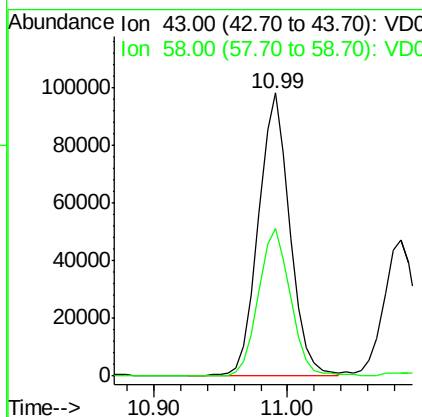
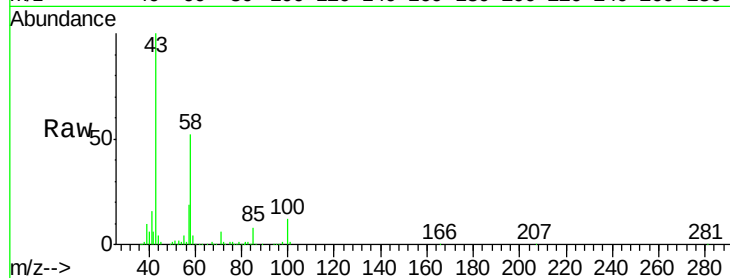
#59
2-Hexanone
Concen: 99.398 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 43 Resp: 159097
Ion Ratio Lower Upper
43 100
58 53.2 27.4 82.2

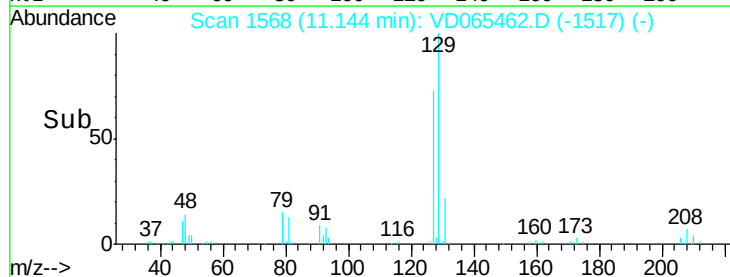
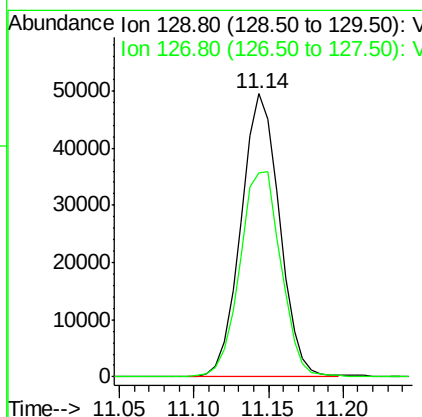
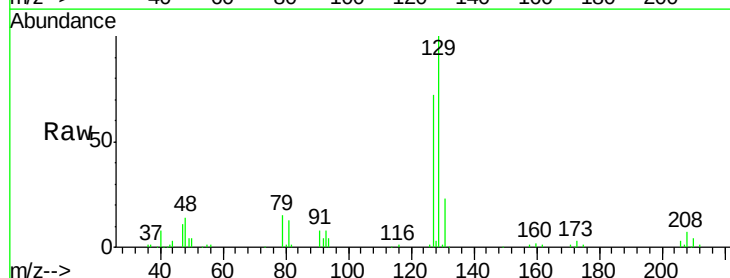
Manual Integrations
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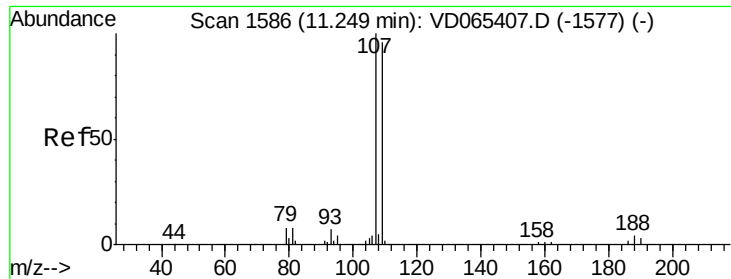
MMDadoda
3/11/2020 3:20:48 PM



#60
Dibromochloromethane
Concen: 21.581 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion: 129 Resp: 88618
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





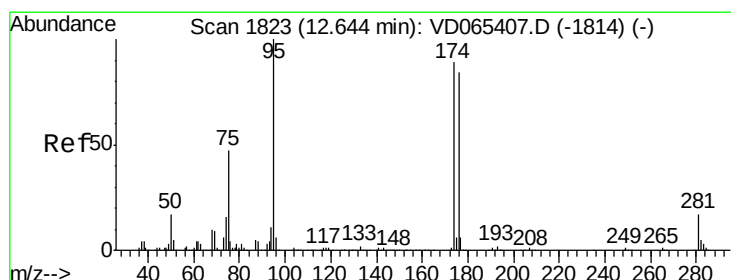
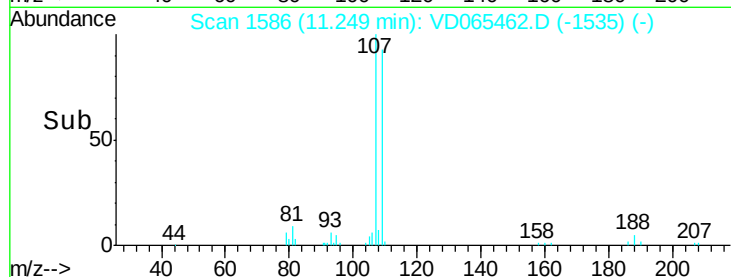
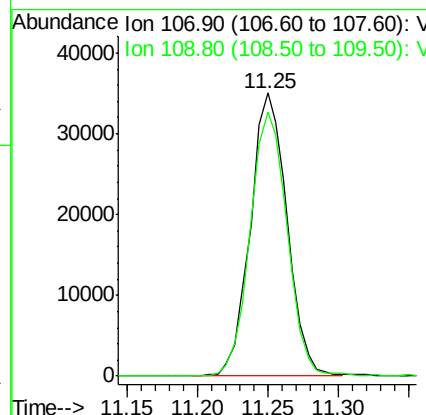
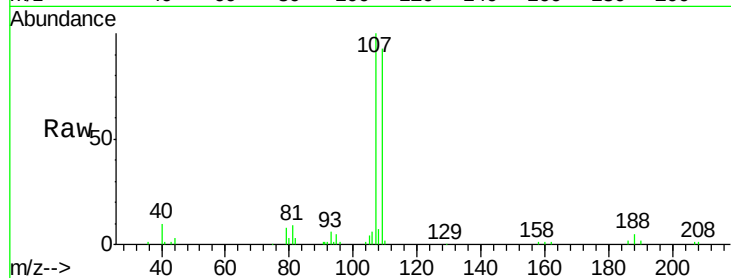
#61
 1,2-Dibromoethane
 Concen: 20.925 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion: 107 Resp: 63937
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.8 115.2

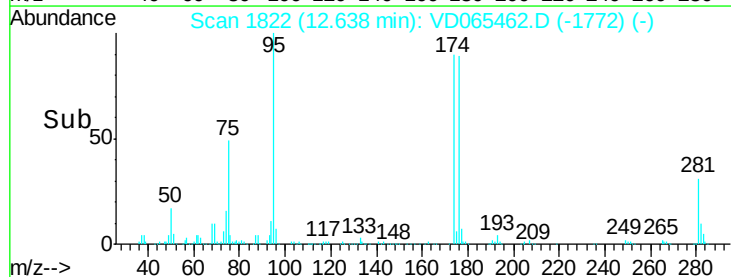
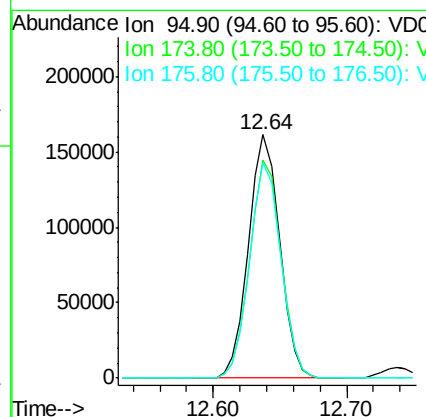
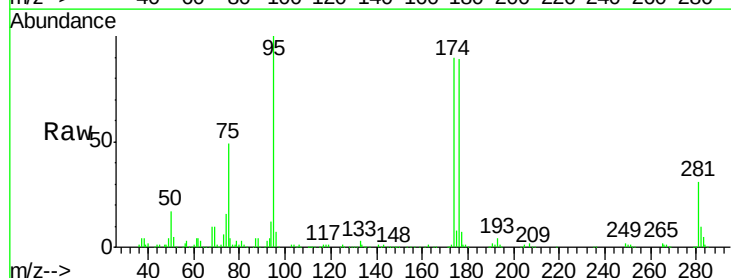
Manual Integrations
 APPROVED

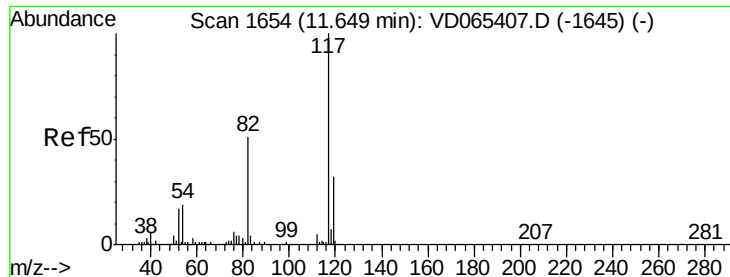
MMDadoda
 3/11/2020 3:20:48 PM



#62
 4-Bromofluorobenzene
 Concen: 52.972 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion: 95 Resp: 260578
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 176.8
 176 88.9 0.0 171.4





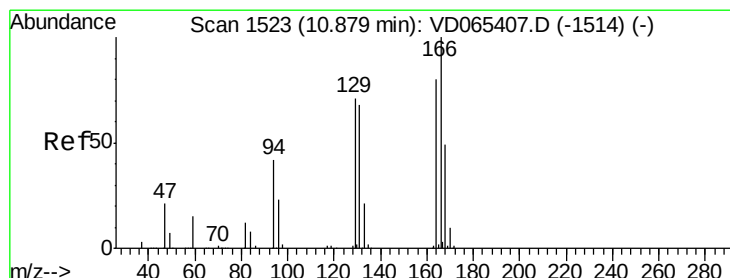
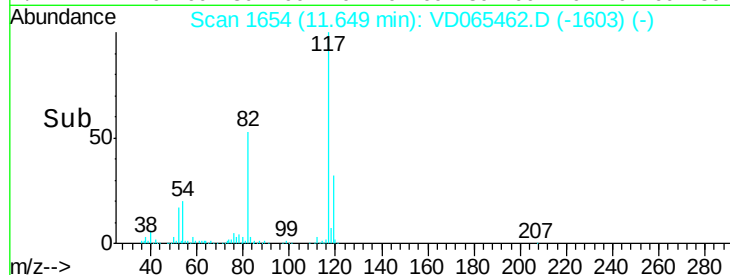
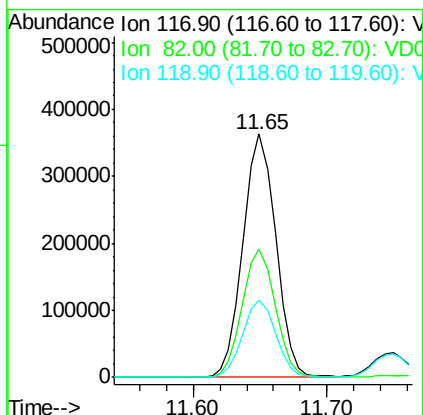
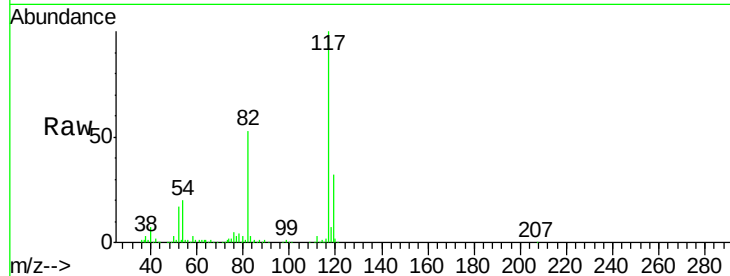
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	620977		
82	52.8		40.6	60.8
119	31.9		25.4	38.2

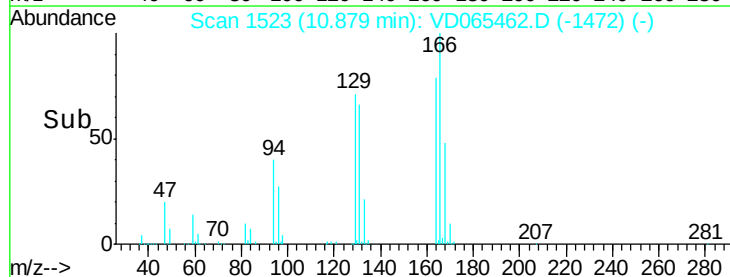
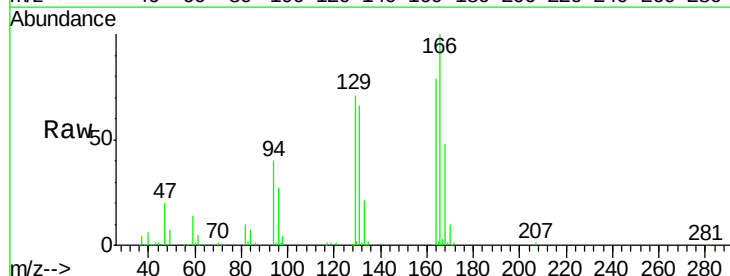
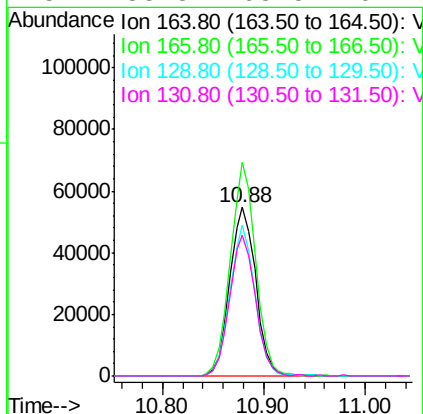
Manual Integrations
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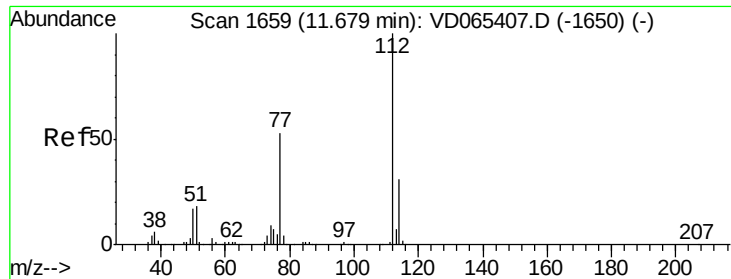
MMDadoda
3/11/2020 3:20:48 PM



#64
Tetrachloroethene
Concen: 21.842 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97190		
166	126.8		100.5	150.7
129	89.9		71.5	107.3
131	83.3		68.5	102.7





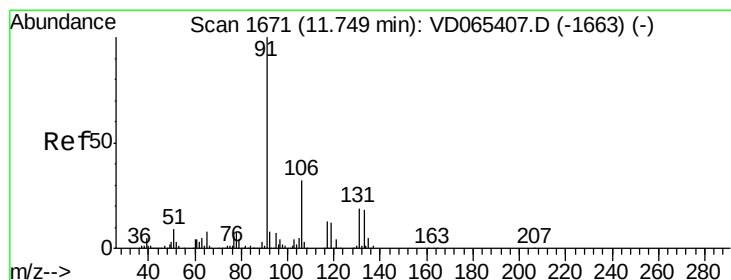
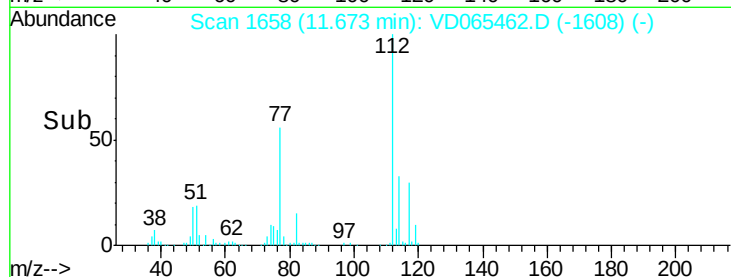
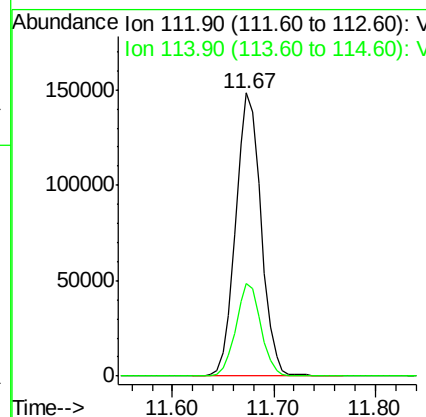
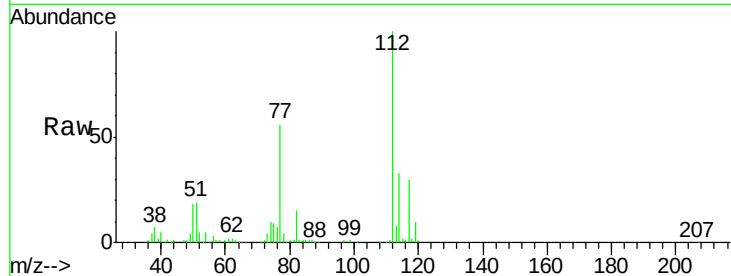
#65
Chlorobenzene
Concen: 20.942 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	257341		
114	32.8	24.4	36.6	

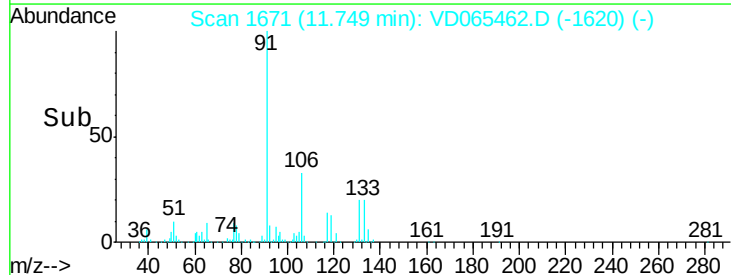
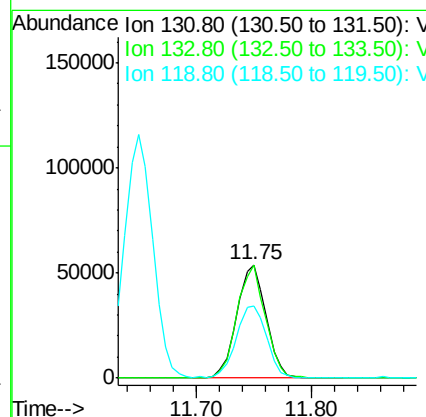
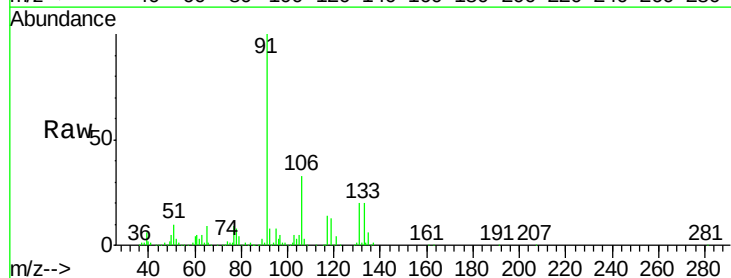
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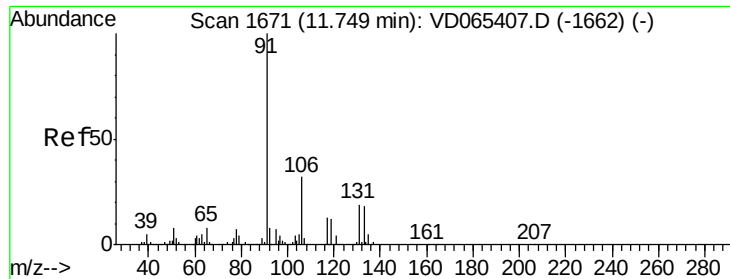
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.210 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	94924		
133	97.2	49.2	147.6	
119	66.1	33.3	99.8	





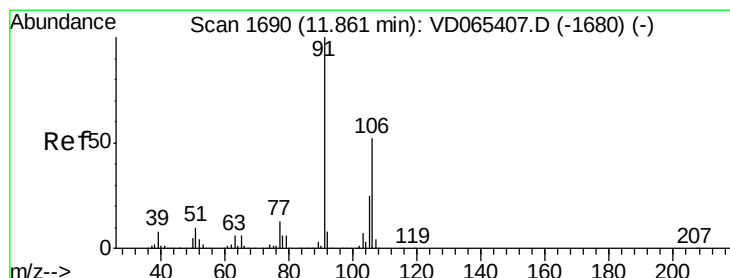
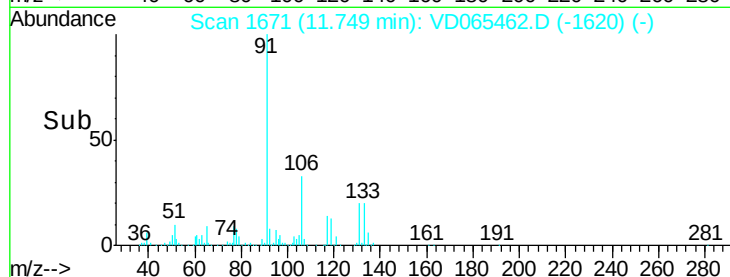
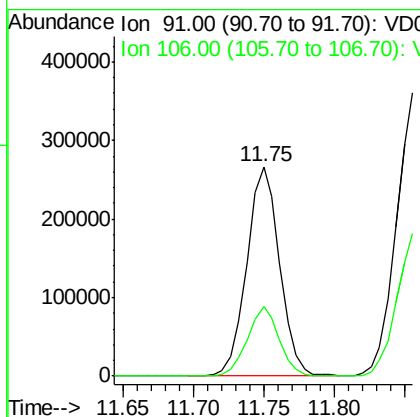
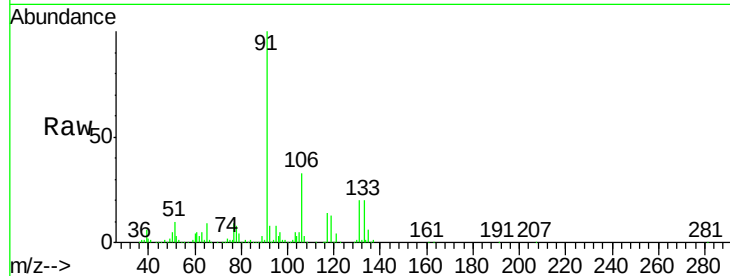
#67
Ethyl Benzene
Concen: 20.524 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 91 Resp: 435790
Ion Ratio Lower Upper
91 100
106 33.0 25.2 37.8

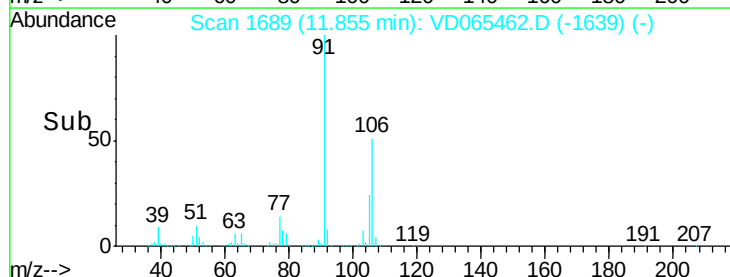
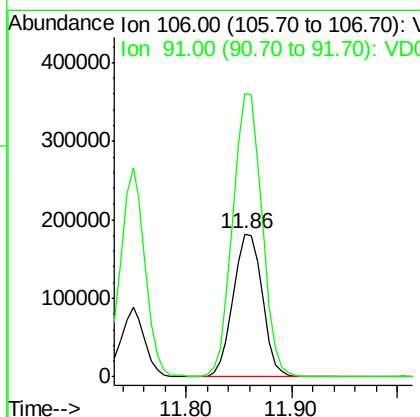
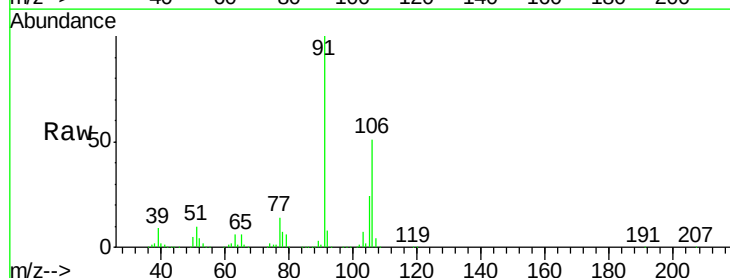
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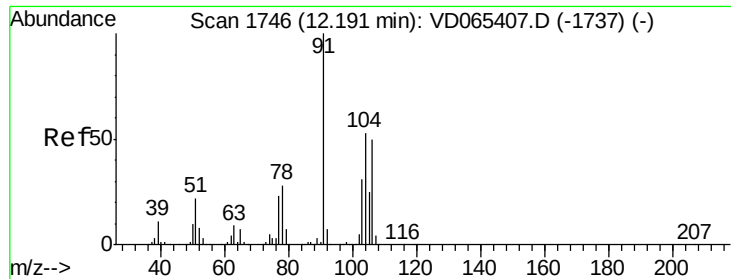
MMDadoda
3/11/2020 3:20:48 PM



#68
m/p-Xylenes
Concen: 42.641 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion: 106 Resp: 349113
Ion Ratio Lower Upper
106 100
91 198.2 155.9 233.9





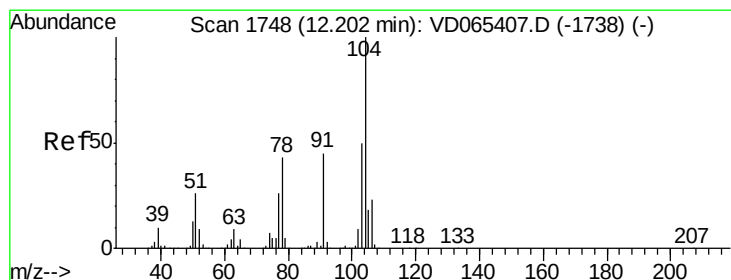
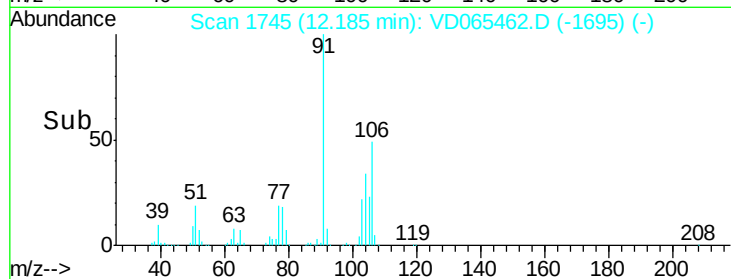
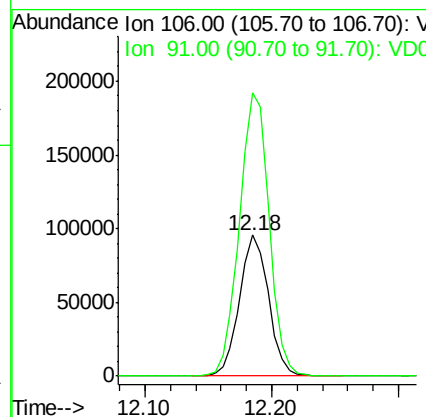
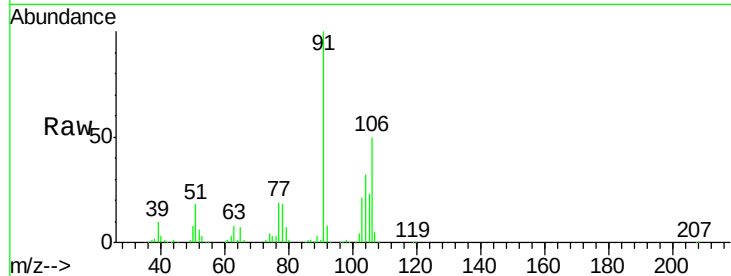
#69
o-Xylene
Concen: 21.041 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion:106 Resp: 151530
Ion Ratio Lower Upper
106 100
91 205.9 103.5 310.3

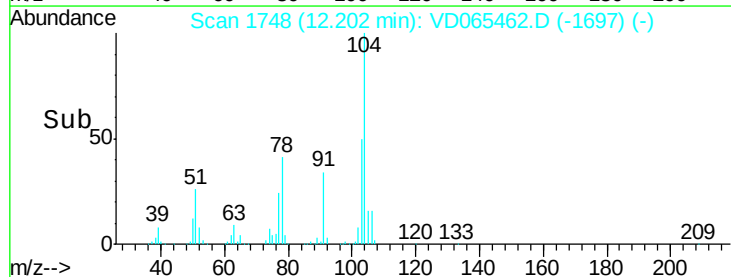
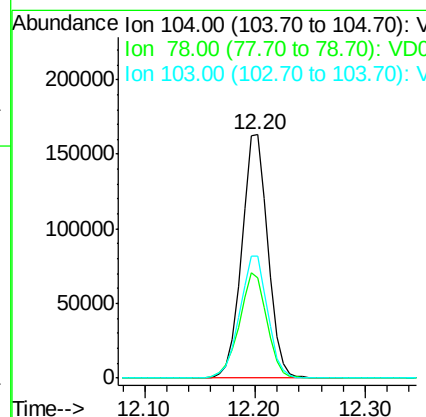
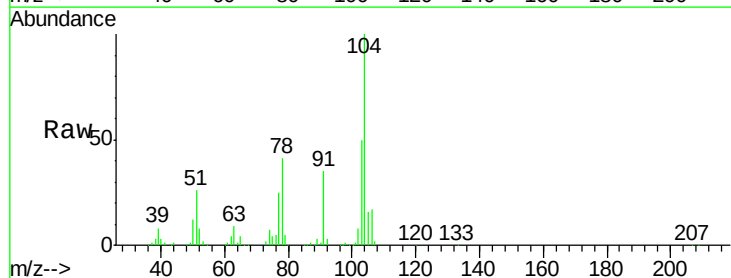
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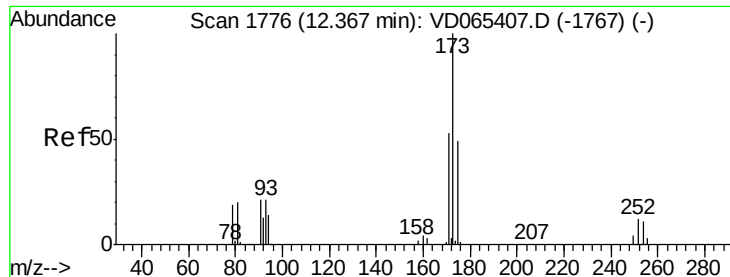
MMDadoda
3/11/2020 3:20:48 PM



#70
Styrene
Concen: 21.467 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion:104 Resp: 272083
Ion Ratio Lower Upper
104 100
78 45.6 37.7 56.5
103 53.8 43.6 65.4





#71

Bromoform

Concen: 20.961 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

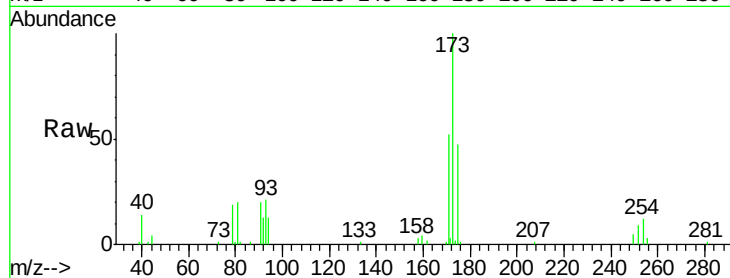
ClientSampleId :

VD0310SBS01

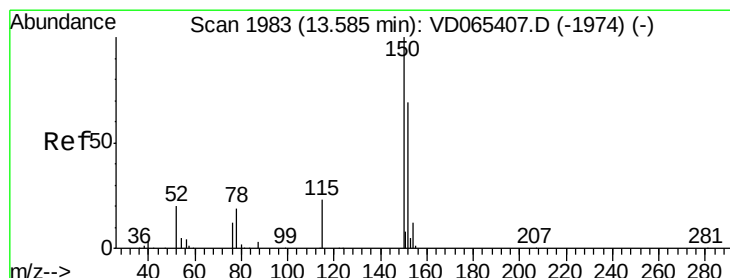
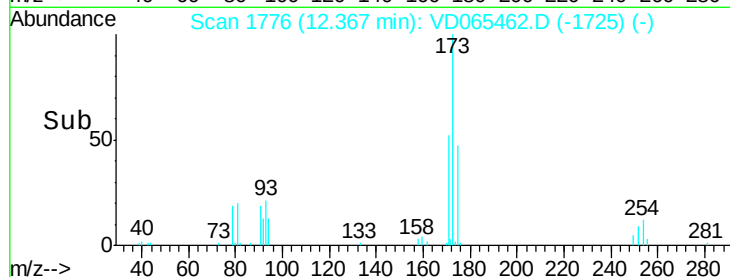
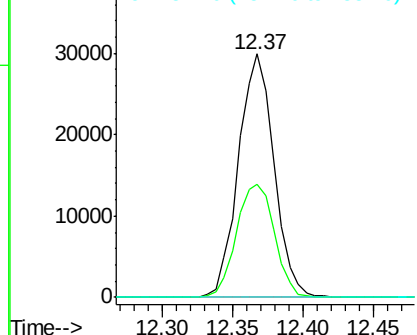
Tot Ion:	173	Resp:	52693
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.3	73.0
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

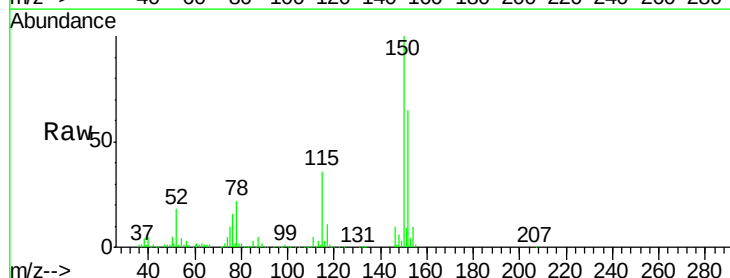
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

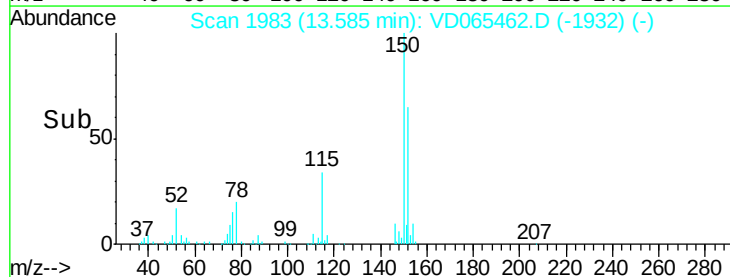
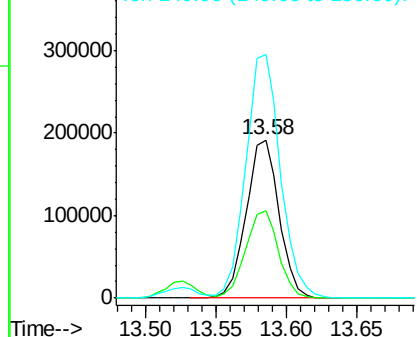
Lab File: VD065462.D

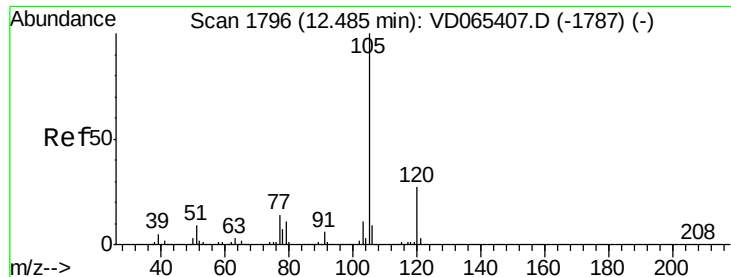
Acq: 10 Mar 2020 13:59

Tgt Ion:	152	Resp:	311639
Ion Ratio	Lower	Upper	
152	100		
115	55.3	27.6	82.8
150	163.3	0.0	345.0



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





#73

Isopropylbenzene

Concen: 20.385 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 105 Resp: 417856

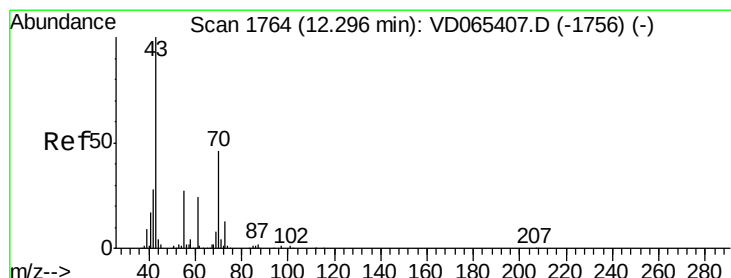
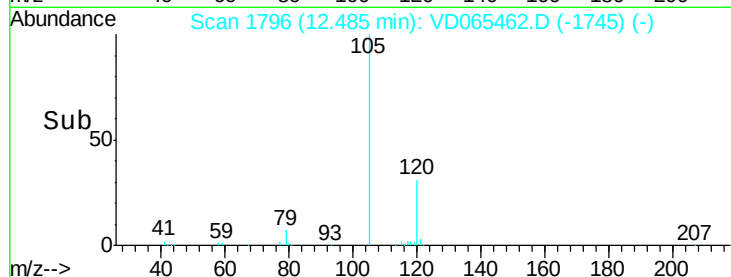
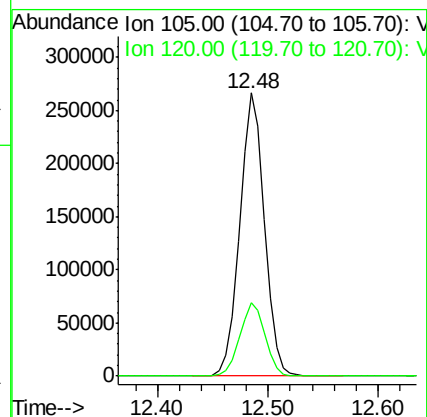
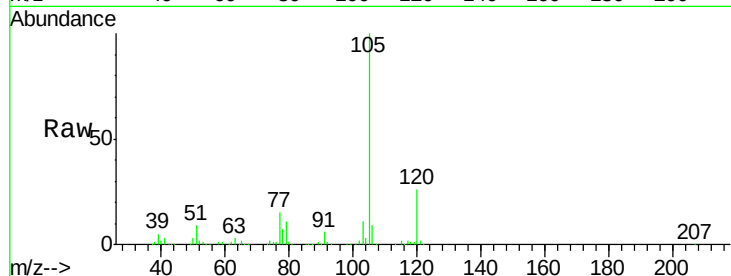
Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.238 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion: 43 Resp: 80730

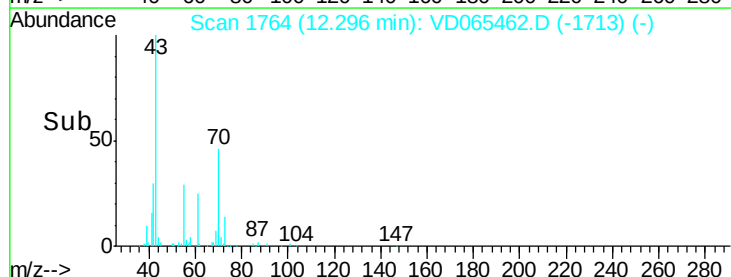
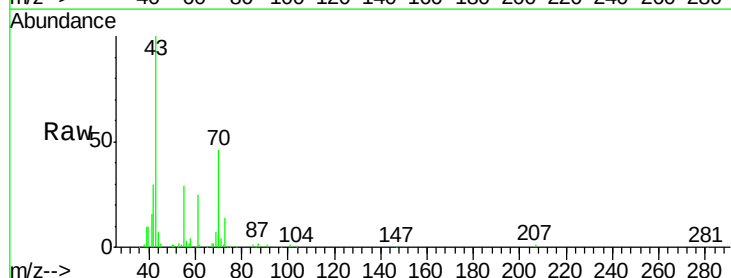
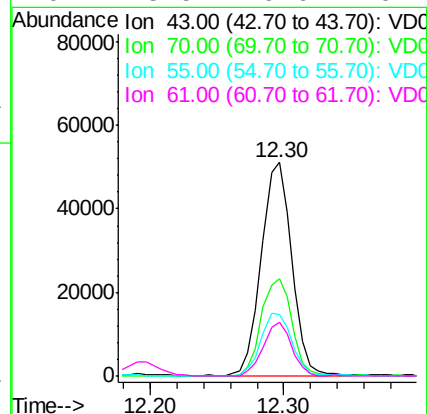
Ion Ratio Lower Upper

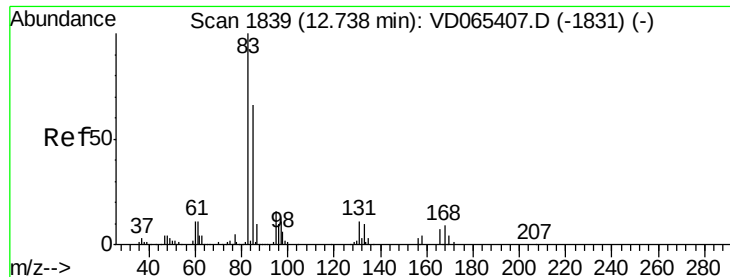
43 100

70 45.6 36.1 54.1

55 30.3 21.6 32.4

61 23.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.144 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

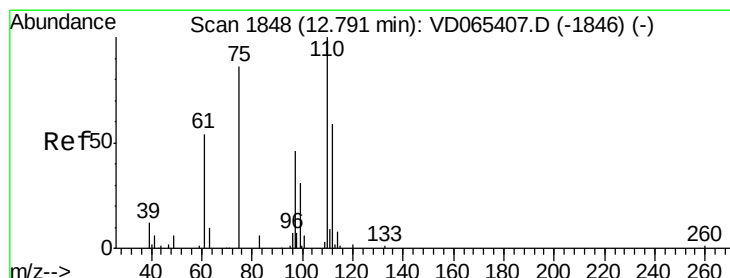
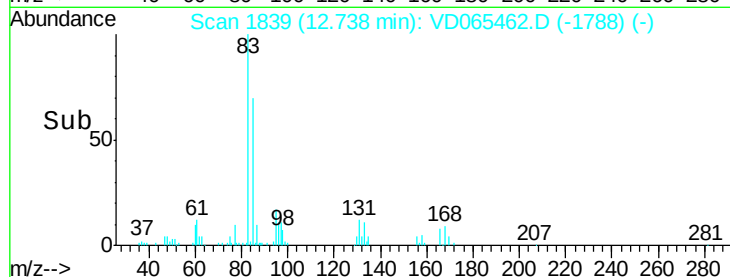
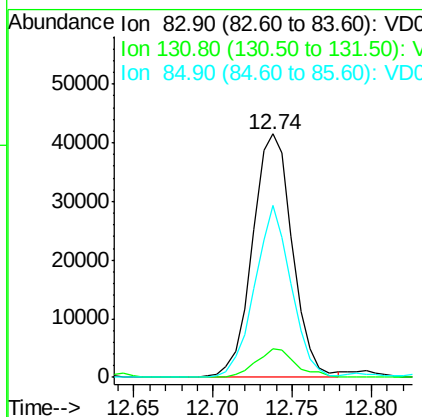
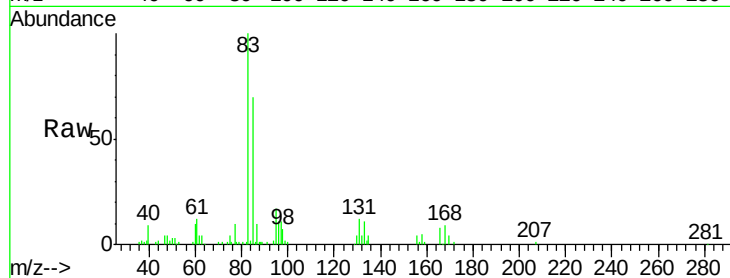
ClientSampleId :

VD0310SBSD01

Tot Ion:	83	Resp:	72580
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	64.7	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 22.895 ug/l m

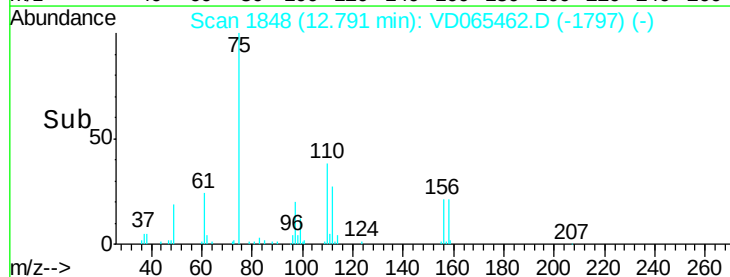
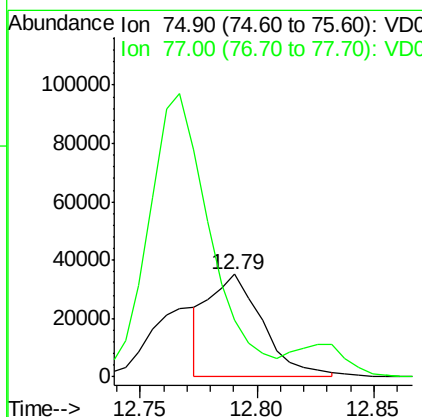
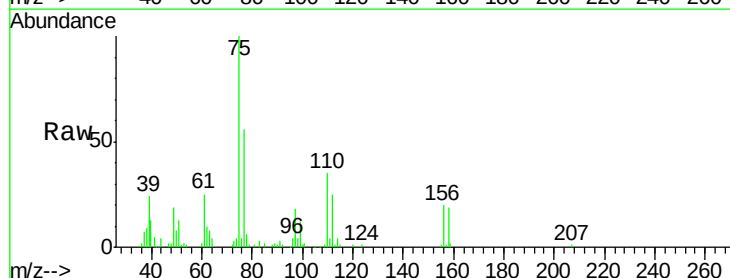
RT: 12.79 min Scan# 1848

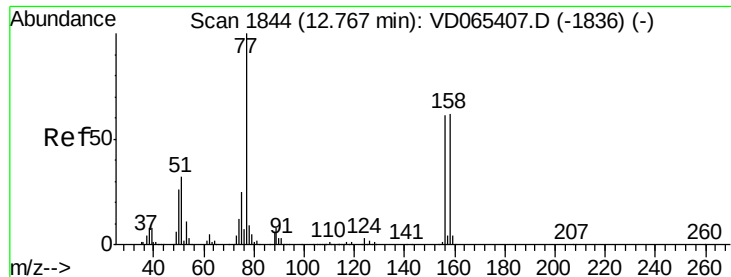
Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	75	Resp:	56301
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.010 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

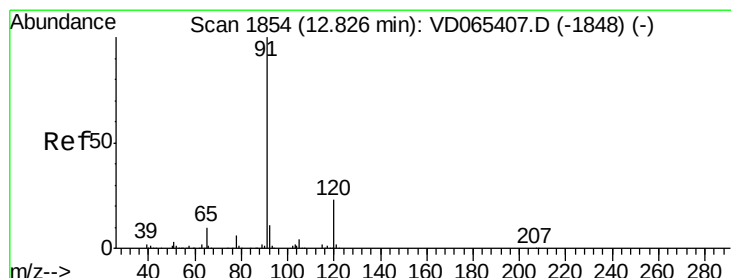
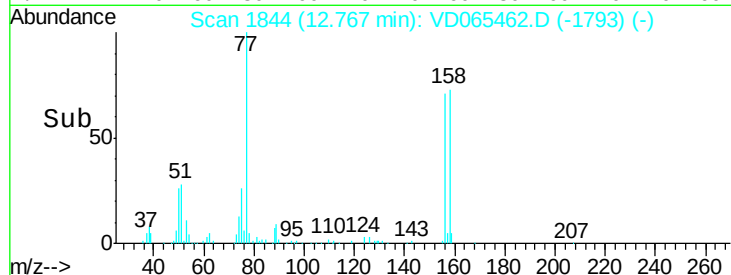
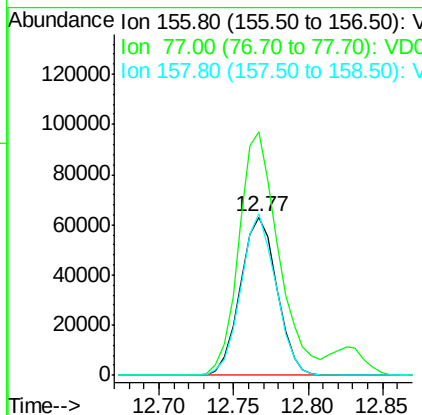
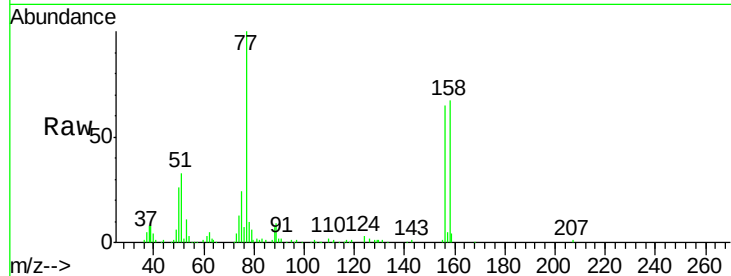
ClientSampleId :

VD0310SBS01

Tot Ion:	156	Resp:	106996
Ion Ratio	Lower	Upper	
156	100		
77	167.4	84.9	254.6
158	97.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.905 ug/l

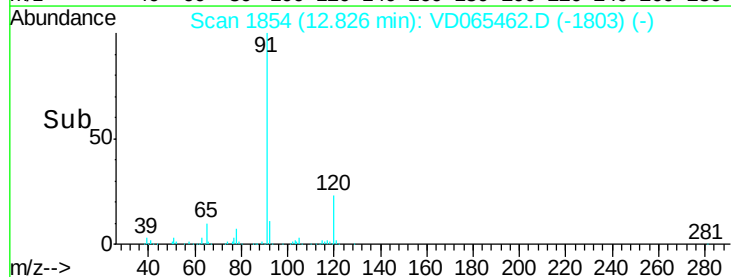
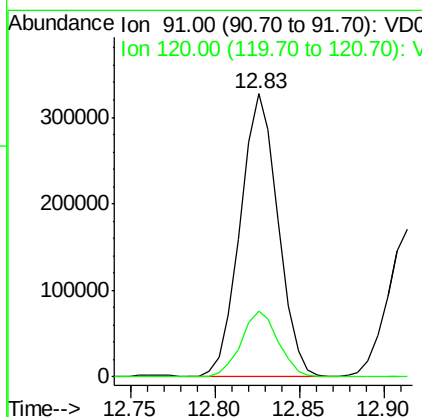
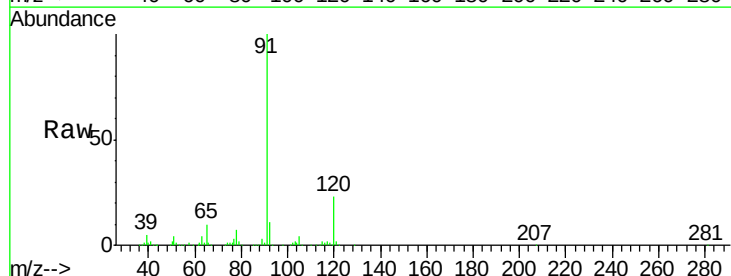
RT: 12.83 min Scan# 1854

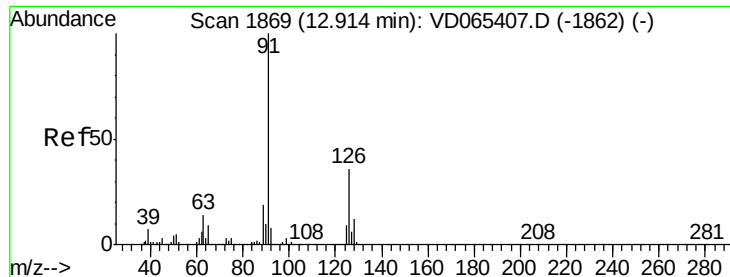
Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	91	Resp:	508419
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.645 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBSD01

Tot Ion: 91 Resp: 282981

Ion Ratio Lower Upper

91 100

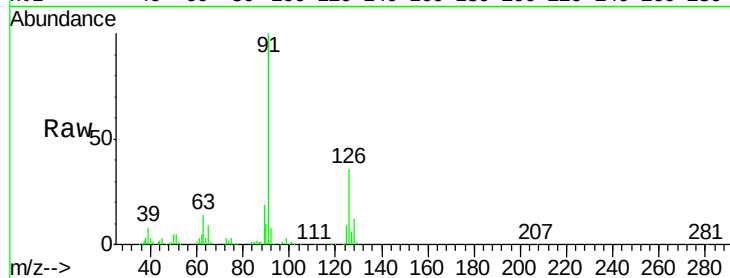
126 34.9 17.9 53.8

Manual Integrations

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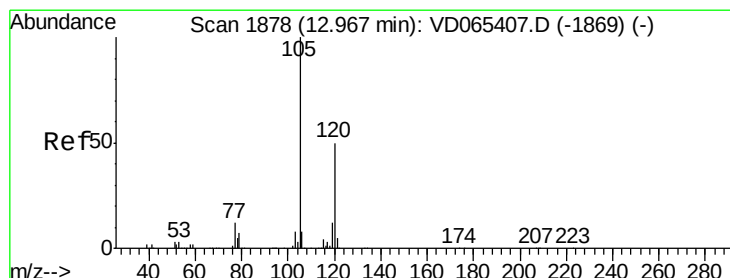
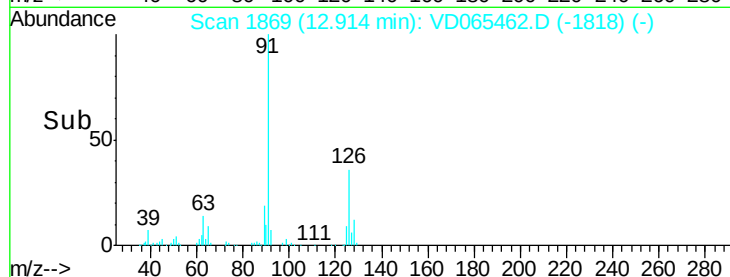
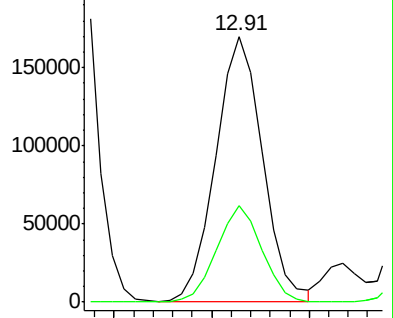
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065462.D

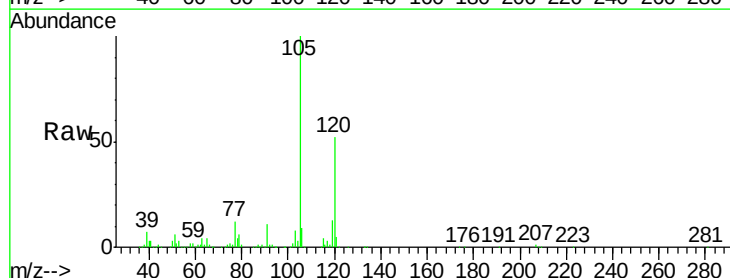
Acq: 10 Mar 2020 13:59

Tgt Ion: 105 Resp: 351470

Ion Ratio Lower Upper

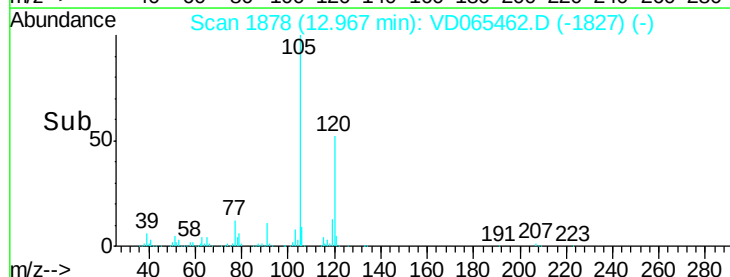
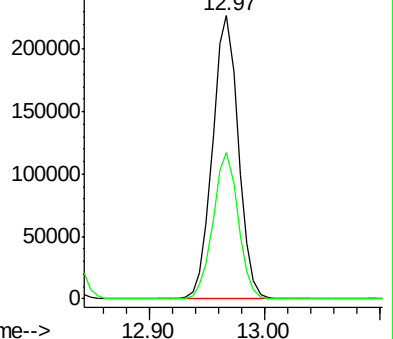
105 100

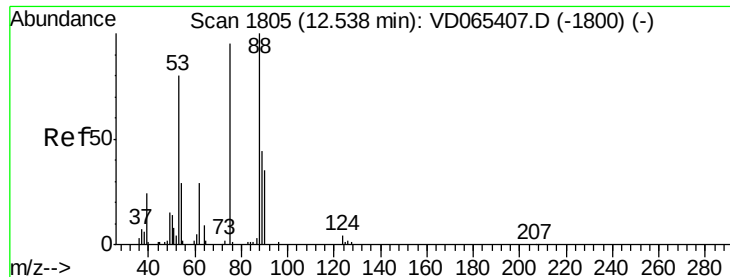
120 50.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.506 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

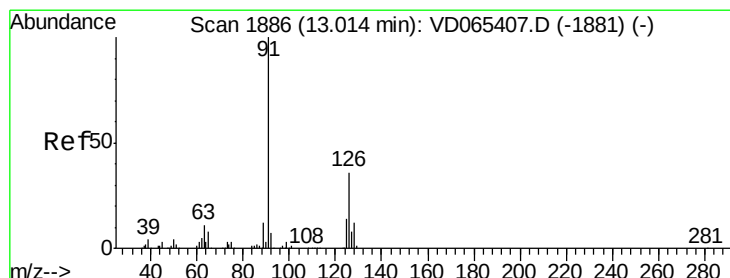
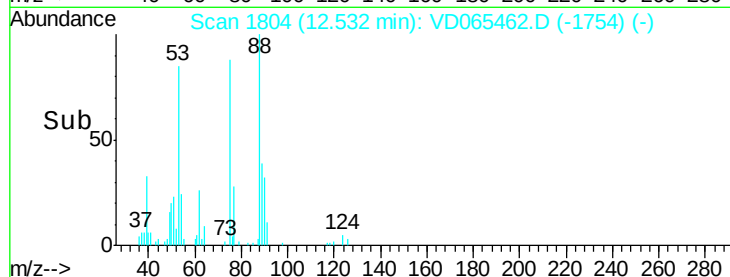
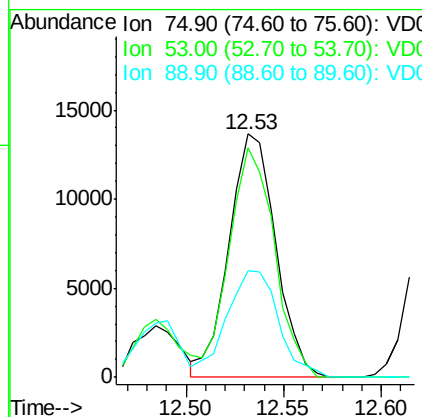
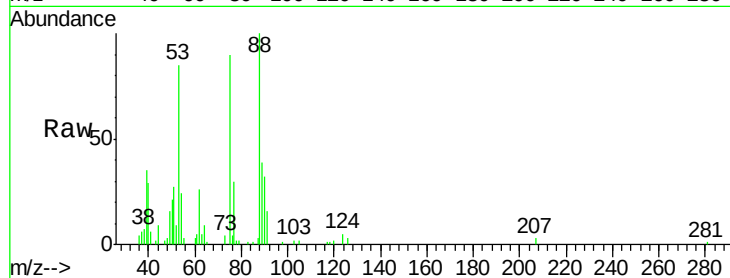
ClientSampleId :

VD0310SBS01

Tot Ion:	75	Resp:	22730
Ion	Ratio	Lower	Upper
75	100		
53	90.5	71.3	106.9
89	48.5	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.359 ug/l

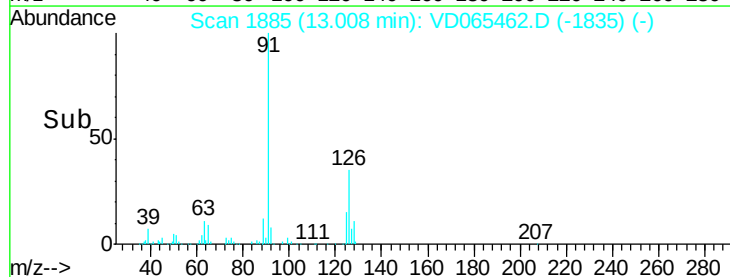
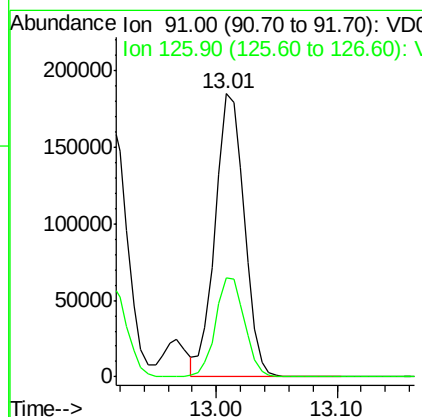
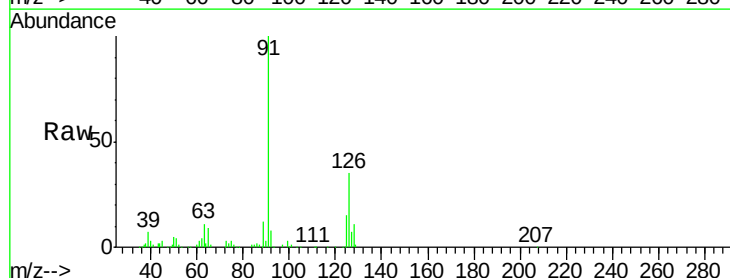
RT: 13.01 min Scan# 1885

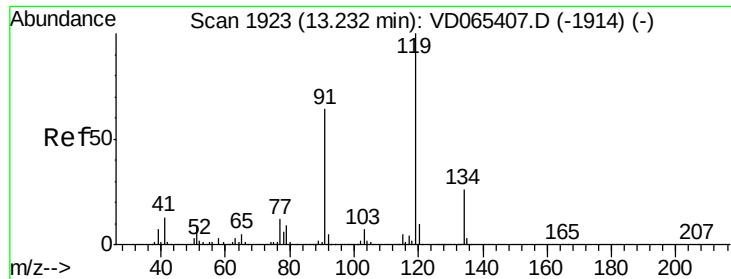
Delta R.T. -0.01 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	91	Resp:	307646
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.8





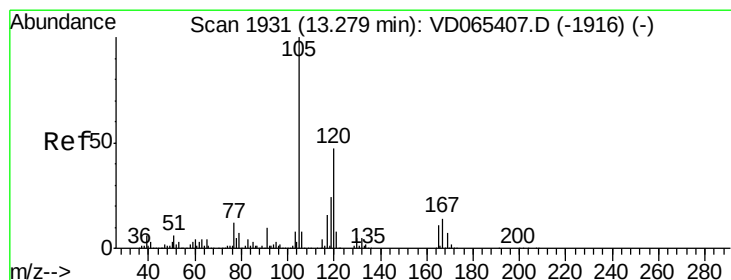
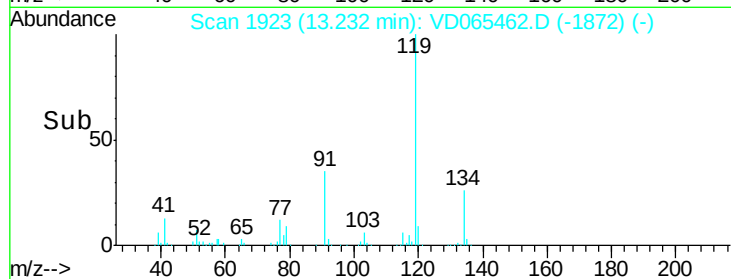
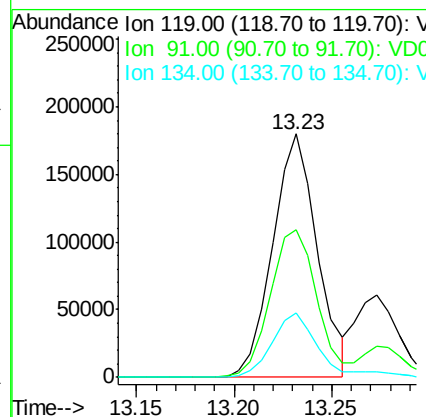
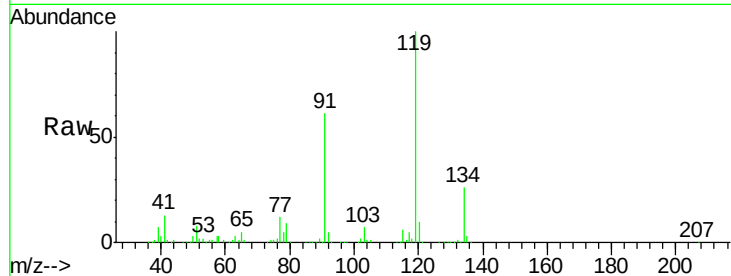
#83
 tert-Butylbenzene
 Concen: 19.954 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.6	95.0
134	27.9	14.2	42.8

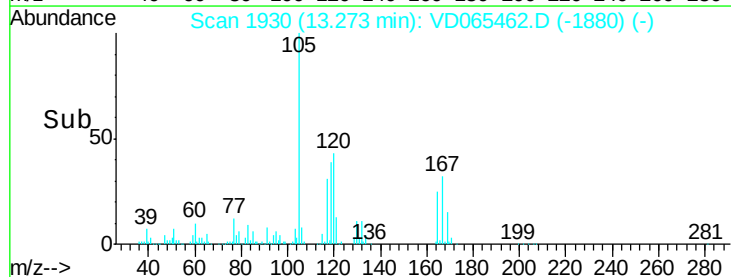
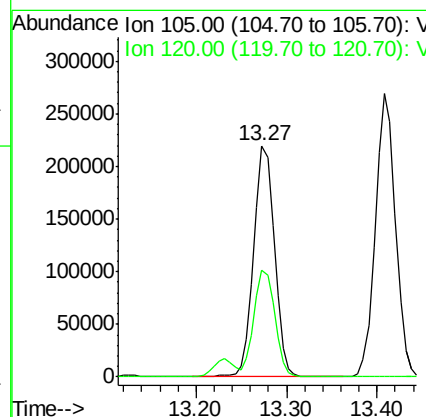
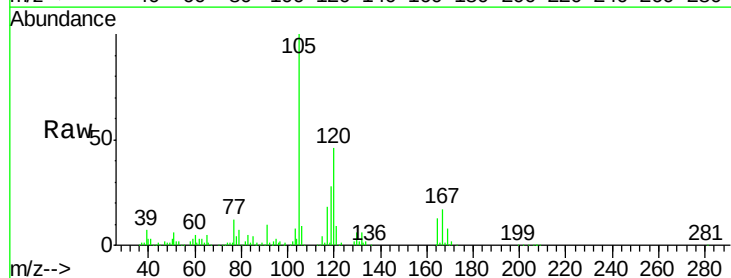
Manual Integrations
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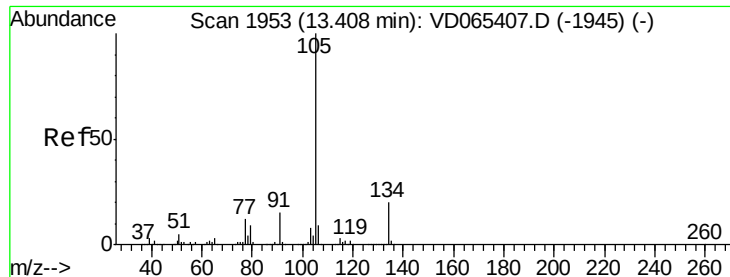
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.137 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.437 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion:105 Resp: 415901

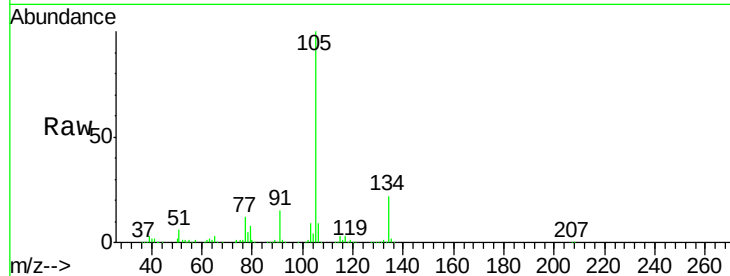
Ion Ratio Lower Upper

105 100

134 21.1 10.3 30.9

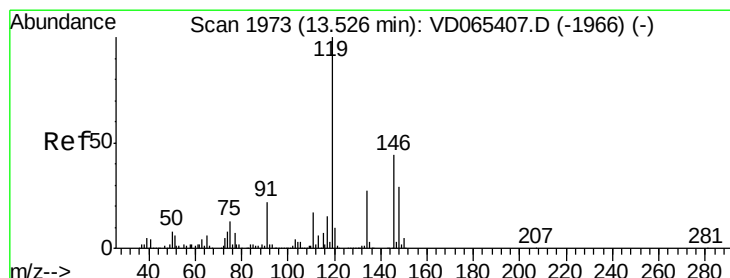
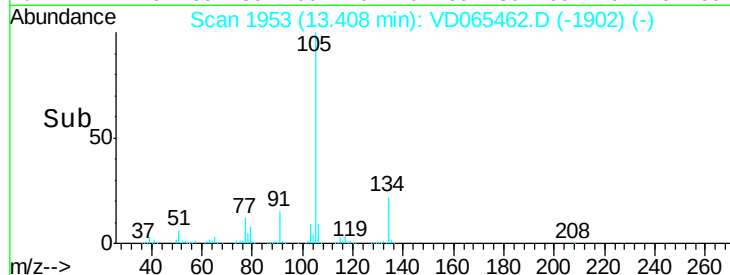
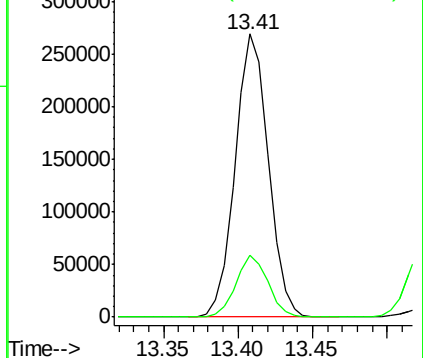
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.521 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

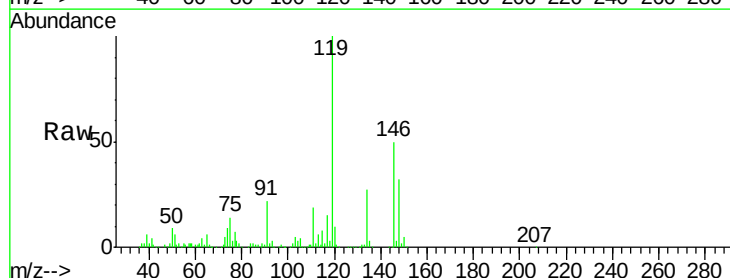
Tgt Ion:119 Resp: 381055

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

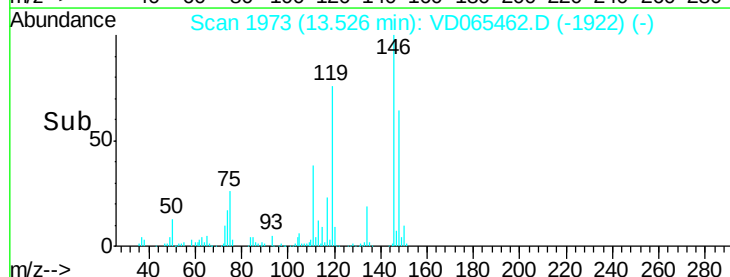
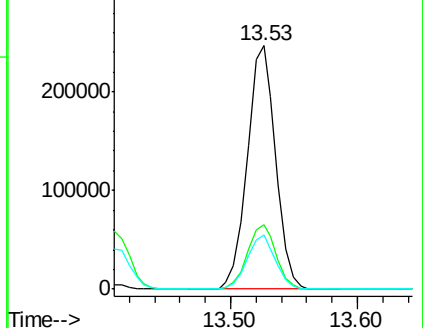
91 21.9 10.9 32.6

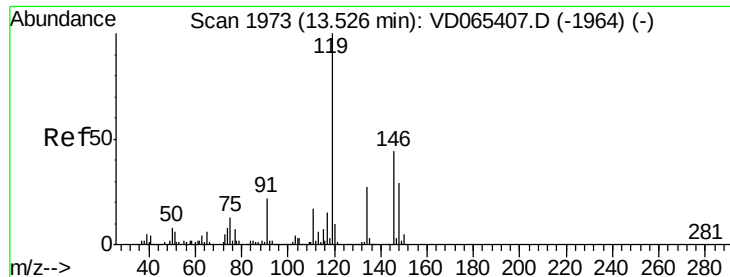


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





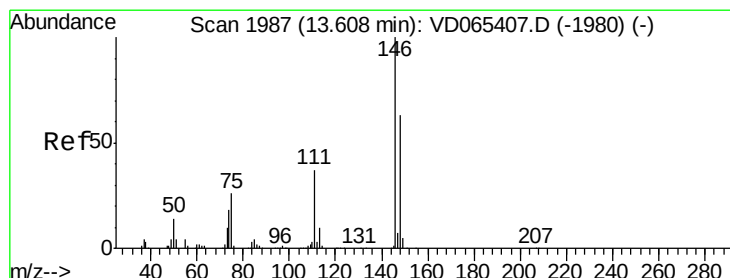
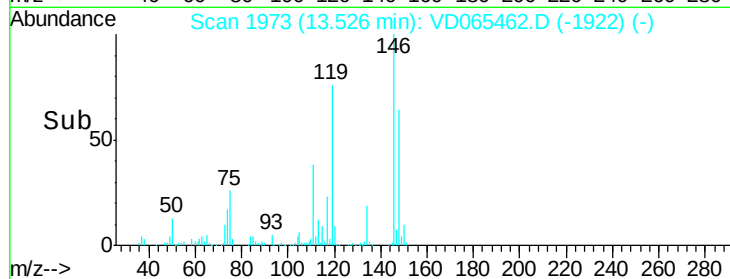
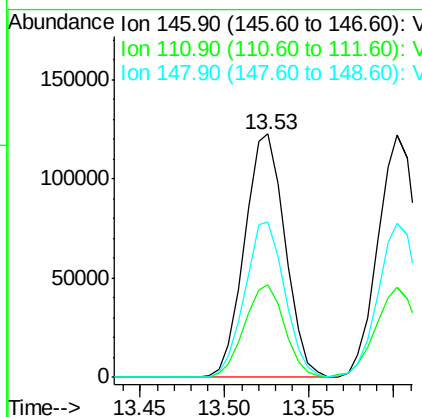
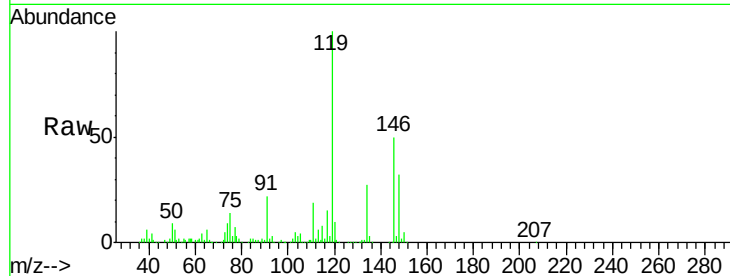
#87
 1,3-Dichlorobenzene
 Concen: 20.893 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	63.2	32.3	96.8

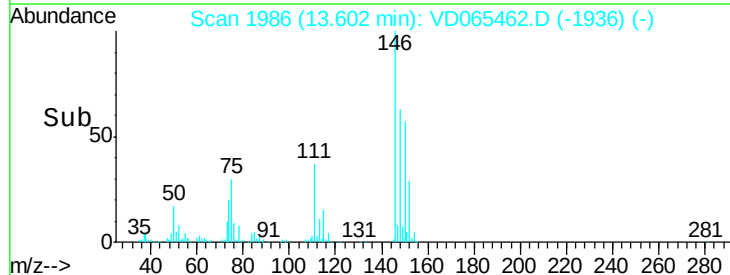
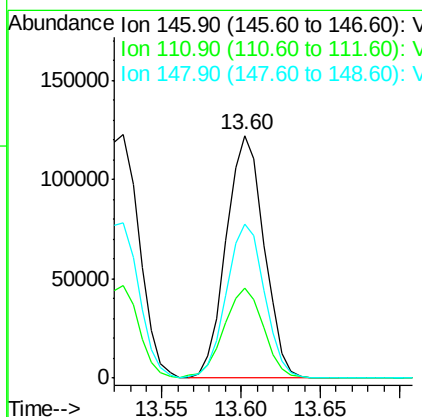
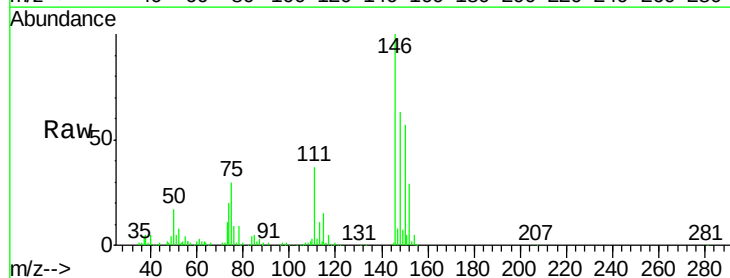
Manual Integrations
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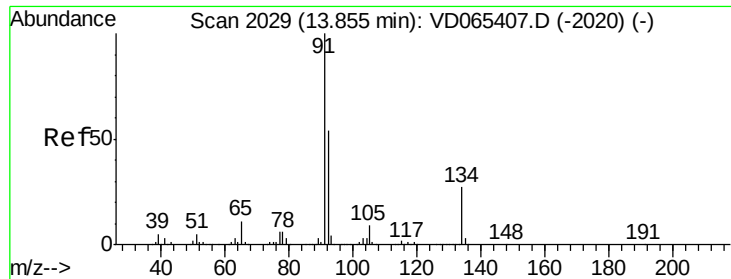
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 3/11/2020 3:20:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.786 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.5	55.5
148	63.8	32.0	96.0





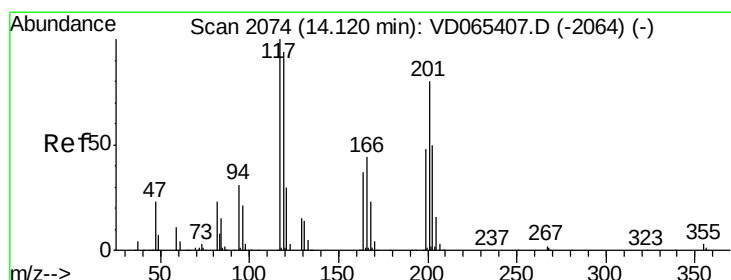
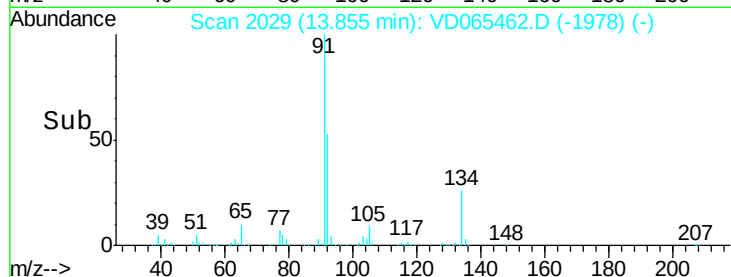
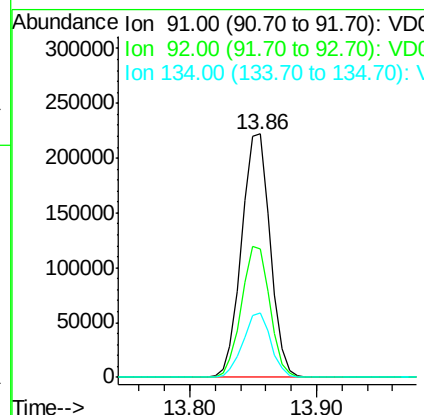
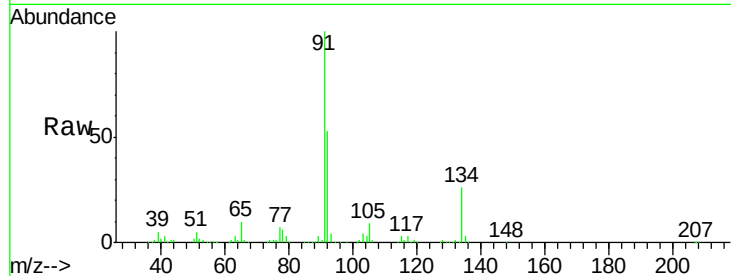
#89
n-Butylbenzene
Concen: 20.177 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	346394		
92	53.4	26.8	80.4	
134	25.9	13.4	40.2	

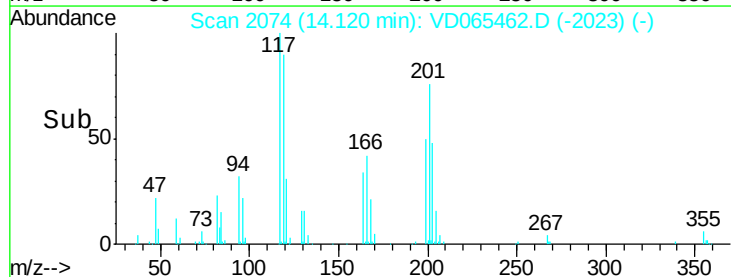
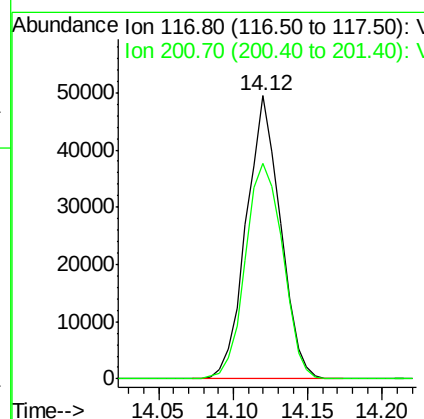
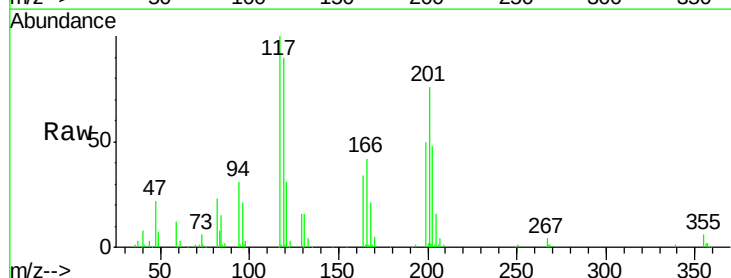
Manual Integrations
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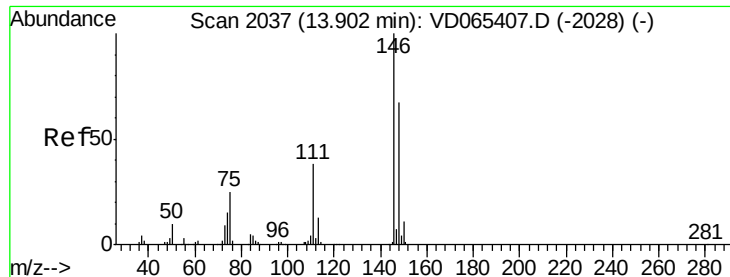
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#90
Hexachloroethane
Concen: 20.460 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065462.D
Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	78242		
201	83.5	41.9	125.6	





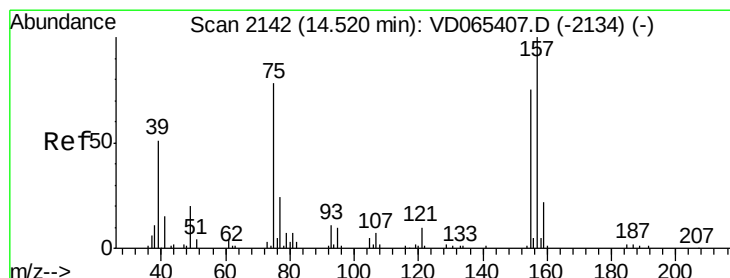
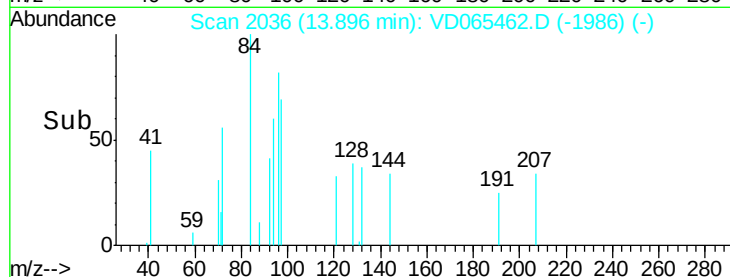
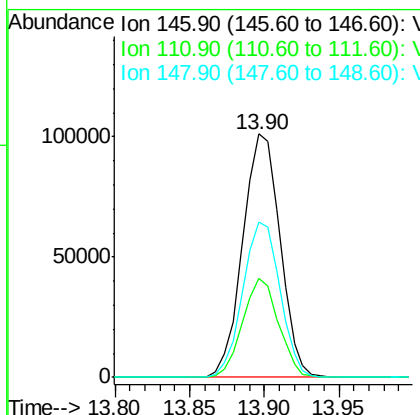
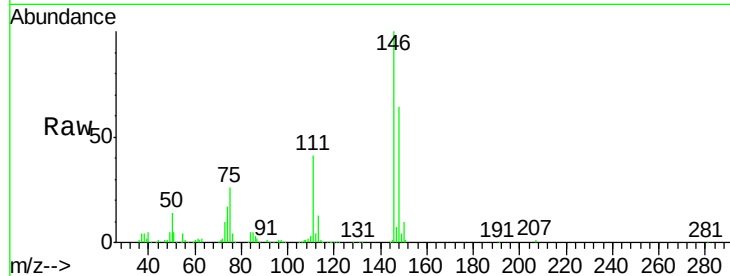
#91
 1,2-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.7	32.6	97.8

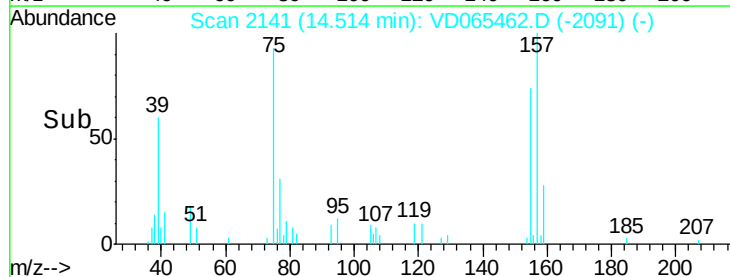
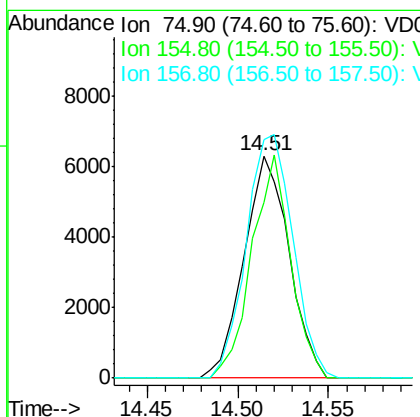
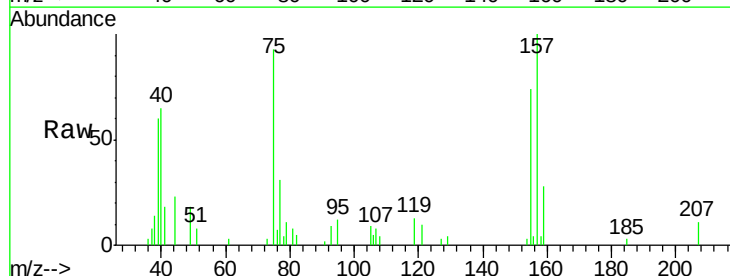
Manual Integrations
 APPROVED

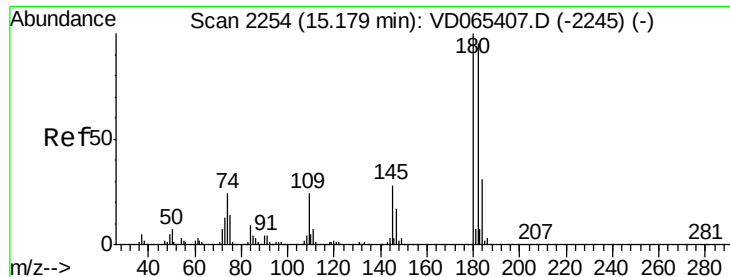
MMDadoda
 3/11/2020 3:20:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.838 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	46.4	139.1
157	113.7	60.2	180.4





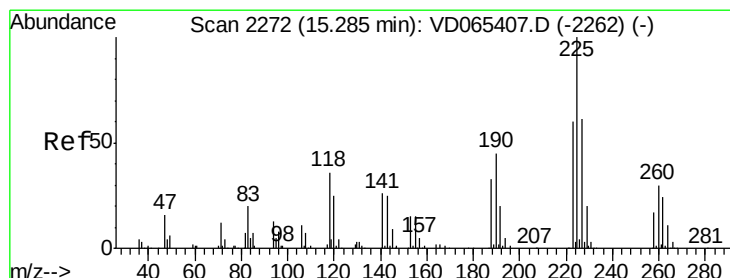
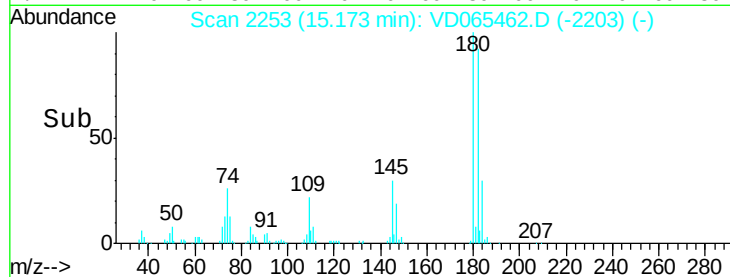
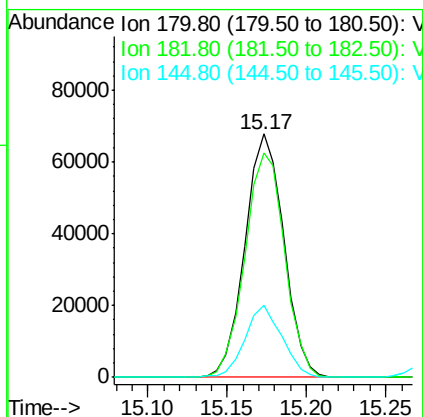
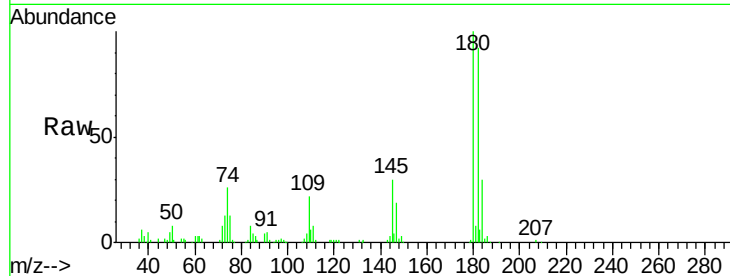
#93
 1,2,4-Trichlorobenzene
 Concen: 20.474 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115625		
182	93.9	48.3	144.9	
145	28.1	14.4	43.4	

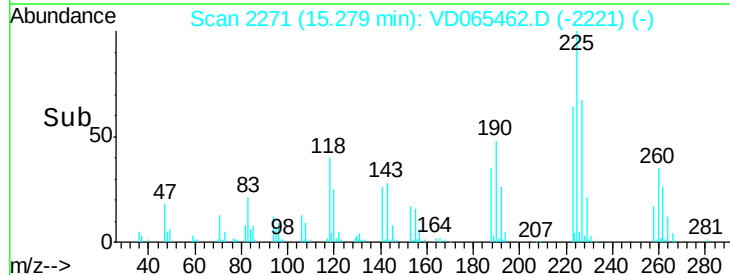
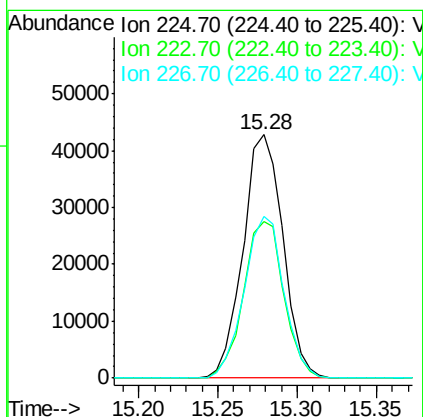
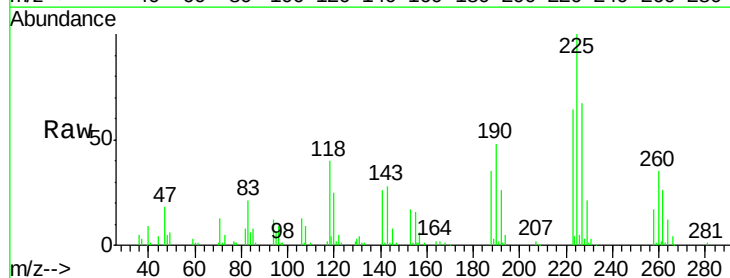
Manual Integrations
 APPROVED

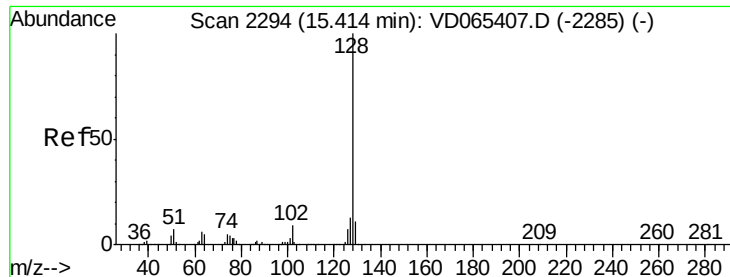
MMDadoda
 3/11/2020 3:20:48 PM



#94
 Hexachlorobutadiene
 Concen: 20.233 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065462.D
 Acq: 10 Mar 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75076		
223	65.0	30.9	92.5	
227	65.7	31.6	94.7	





#95

Naphthalene

Concen: 19.652 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Instrument :

MSVOA_D

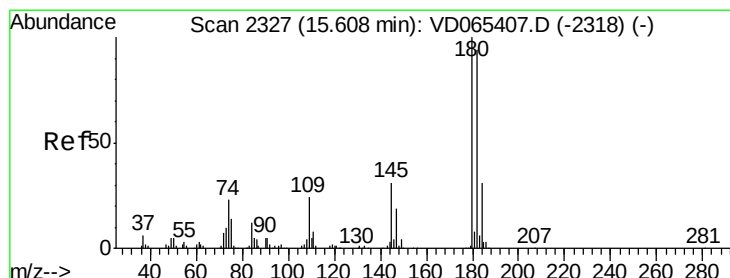
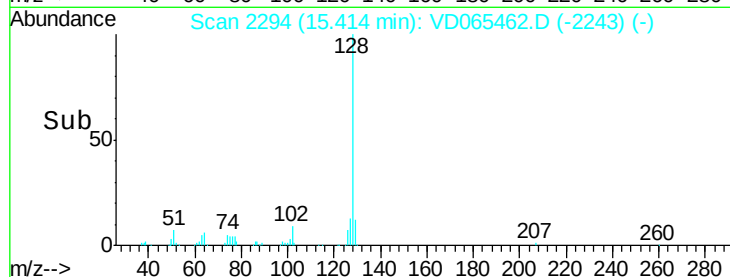
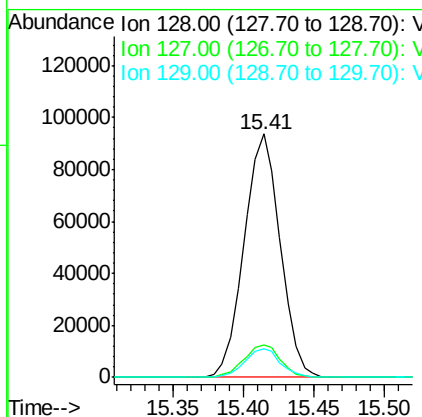
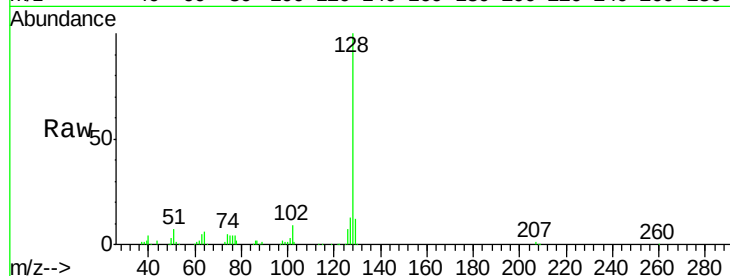
ClientSampleId :

VD0310SBS01

Tot Ion:	128	Resp:	168275
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	16.0
129	11.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:20:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.101 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065462.D

Acq: 10 Mar 2020 13:59

Tgt Ion:	180	Resp:	102975
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.9	140.6
145	29.5	15.0	45.1

