

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065476.D
 Acq On : 11 Mar 2020 12:37
 Operator : VA/SY
 Sample : VD0311SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 9:49:37 AM

Quant Time: Mar 11 19:15:57 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	475889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	694565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	632123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197340	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.92	113	212364	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.34	98	821073	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	260182	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92985	22.735	ug/l	94
3) Chloromethane	2.21	50	105378	21.341	ug/l	99
4) Vinyl Chloride	2.35	62	106215	21.808	ug/l	99
5) Bromomethane	2.77	94	68633	22.519	ug/l	97
6) Chloroethane	2.92	64	64858	21.743	ug/l	100
7) Trichlorofluoromethane	3.27	101	153331	21.366	ug/l	98
8) Diethyl Ether	3.70	74	44305	20.760	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98948	21.408	ug/l	98
10) Methyl Iodide	4.29	142	100796	20.991	ug/l	99
11) Tert butyl alcohol	5.24	59	24049	102.707	ug/l	96
12) 1,1-Dichloroethene	4.06	96	91039	20.570	ug/l	92
13) Acrolein	3.92	56	36559	90.532	ug/l	100
14) Allyl chloride	4.71	41	137517	20.227	ug/l	98
15) Acrylonitrile	5.43	53	96385	103.813	ug/l	99
16) Acetone	4.17	43	82071	99.410	ug/l	94
17) Carbon Disulfide	4.40	76	305969	20.759	ug/l	100
18) Methyl Acetate	4.72	43	45654	21.800	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	175172	20.582	ug/l	95
20) Methylene Chloride	4.97	84	116194	24.129	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	103312	20.984	ug/l	97
22) Diisopropyl ether	6.37	45	276356	21.866	ug/l	98
23) Vinyl Acetate	6.31	43	726589	103.538	ug/l	99
24) 1,1-Dichloroethane	6.27	63	172911	21.330	ug/l	98
25) 2-Butanone	7.22	43	115603	102.610	ug/l	98
26) 2,2-Dichloropropane	7.21	77	147994	20.891	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105442	20.953	ug/l	99
28) Bromochloromethane	7.55	49	67920	20.941	ug/l	99
29) Tetrahydrofuran	7.57	42	72459	100.711	ug/l	98
30) Chloroform	7.71	83	178069	21.976	ug/l	95
31) Cyclohexane	7.98	56	165187	20.378	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	160804	21.475	ug/l	99
36) 1,1-Dichloropropene	8.11	75	143268	21.519	ug/l	99
37) Ethyl Acetate	7.30	43	54998	21.372	ug/l #	95
38) Carbon Tetrachloride	8.10	117	149444	21.646	ug/l	95

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 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	160217	19.924	ug/l	95
40) Benzene	8.35	78	411868	22.126	ug/l	100
41) Methacrylonitrile	7.53	41	34207	25.135	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	107329	22.080	ug/l	98
43) Isopropyl Acetate	8.46	43	99805	21.005	ug/l	98
44) Trichloroethene	9.11	130	111859	21.278	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97950	21.722	ug/l	98
46) Dibromomethane	9.48	93	50996	21.803	ug/l	96
47) Bromodichloromethane	9.67	83	133555	21.949	ug/l	97
48) Methyl methacrylate	9.46	41	44144	19.751	ug/l	93
49) 1,4-Dioxane	9.46	88	11200	418.629	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	258887	108.272	ug/l	100
52) Toluene	10.41	92	257531	21.961	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	121467	21.361	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	146390	21.269	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72732	21.955	ug/l	96
56) Ethyl methacrylate	10.67	69	76334	20.440	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122038	21.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	114271	99.227	ug/l	100
59) 2-Hexanone	10.99	43	173560	104.857	ug/l	98
60) Dibromochloromethane	11.14	129	94716	22.305	ug/l	99
61) 1,2-Dibromoethane	11.26	107	68814	21.778	ug/l	98
64) Tetrachloroethene	10.88	164	99486	21.964	ug/l	97
65) Chlorobenzene	11.67	112	268954	21.501	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	102604	22.522	ug/l	96
67) Ethyl Benzene	11.75	91	461449	21.349	ug/l	99
68) m/p-Xylenes	11.86	106	369341	44.317	ug/l	100
69) o-Xylene	12.18	106	159071	21.698	ug/l	98
70) Styrene	12.20	104	282512	21.896	ug/l	100
71) Bromoform	12.37	173	56735	22.171	ug/l #	97
73) Isopropylbenzene	12.48	105	436289	20.949	ug/l	100
74) N-amyl acetate	12.30	43	85942	20.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	76944	21.019	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	53098m	21.253	ug/l	
77) Bromobenzene	12.77	156	112302	21.704	ug/l	100
78) n-propylbenzene	12.83	91	523926	21.203	ug/l	99
79) 2-Chlorotoluene	12.91	91	293936	21.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364309	21.278	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24391	20.602	ug/l	99
82) 4-Chlorotoluene	13.01	91	312743	21.371	ug/l	99
83) tert-Butylbenzene	13.23	119	298107	20.581	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364192	21.580	ug/l	100
85) sec-Butylbenzene	13.41	105	431597	20.875	ug/l	100
86) p-Isopropyltoluene	13.53	119	398377	21.116	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	214795	21.592	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	211467	21.370	ug/l	99
89) n-Butylbenzene	13.86	91	355057	20.356	ug/l	99
90) Hexachloroethane	14.12	117	81924	21.086	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	181162	21.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11438	20.516	ug/l	97

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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	15.18	180	119722	20.866	ug/l	97
94) Hexachlorobutadiene	15.28	225	79032	20.963	ug/l	99
95) Naphthalene	15.41	128	179021	20.370	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	102152	20.603	ug/l	99

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

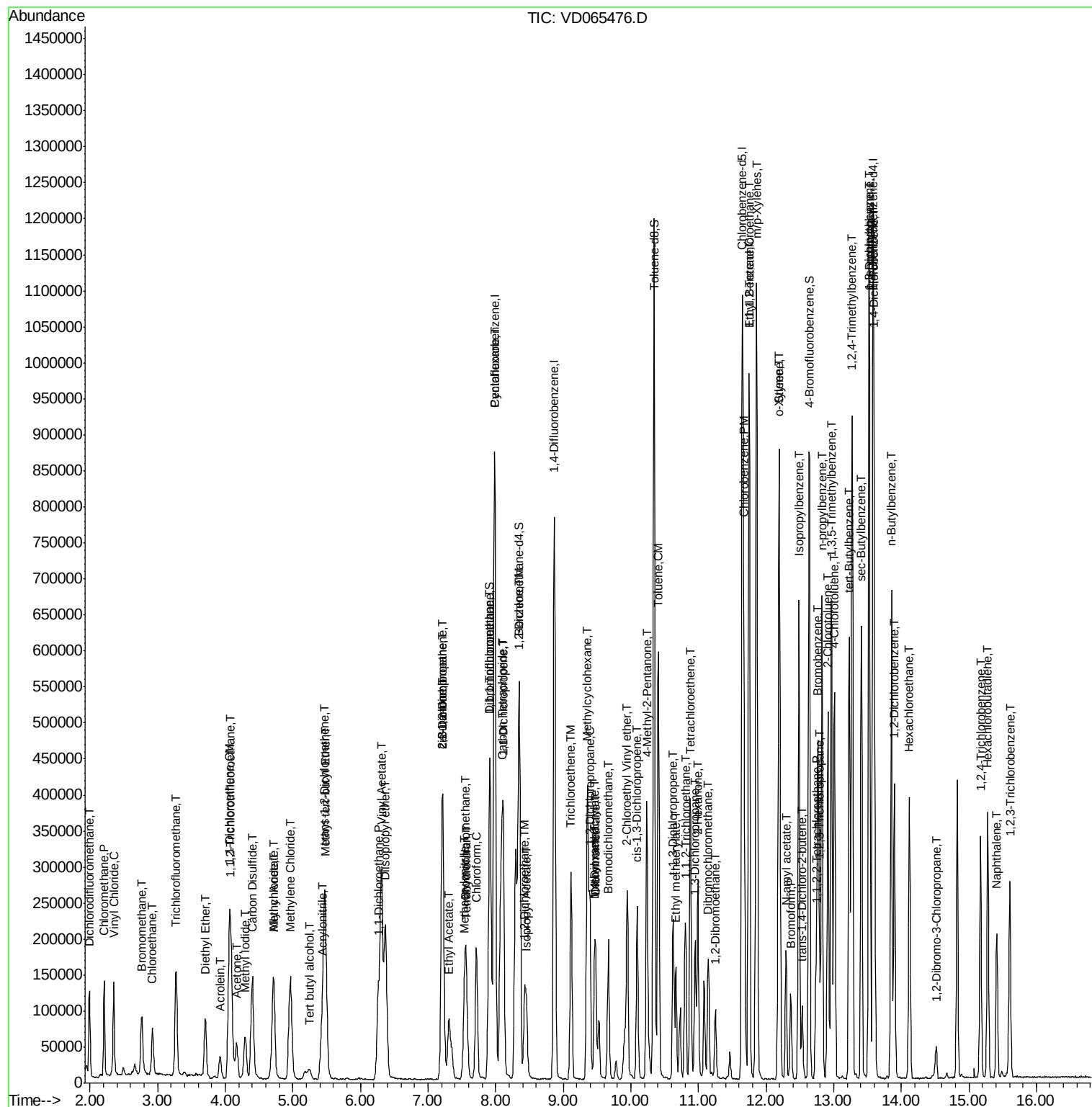
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031120\
Data File : VD065476.D
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Operator : VA/SY
Sample : VD0311SBSD01
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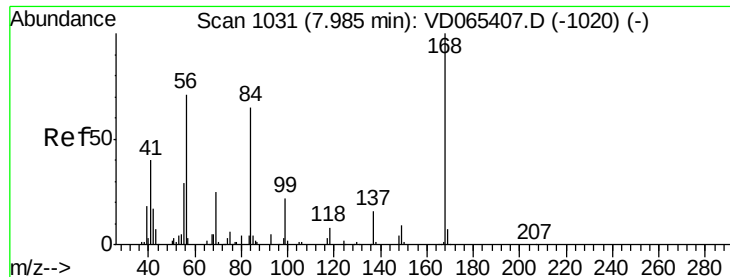
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

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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: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:168 Resp: 475889

Ion Ratio Lower Upper

168 100

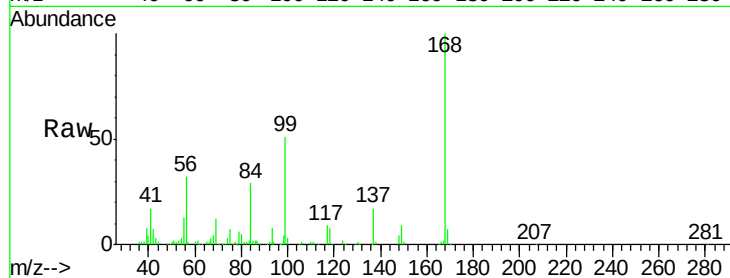
99 50.6 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

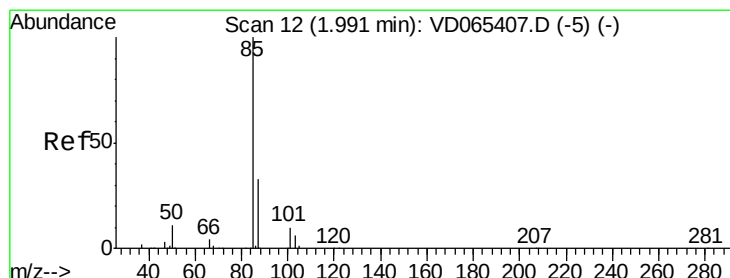
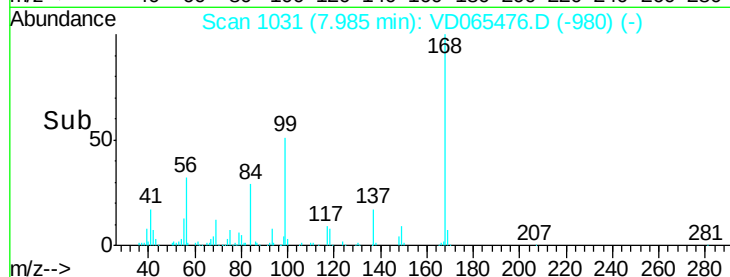
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.735 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065476.D

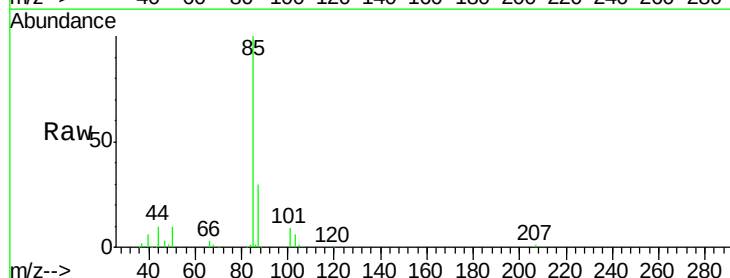
Acq: 11 Mar 2020 12:37

Tgt Ion: 85 Resp: 92985

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

0

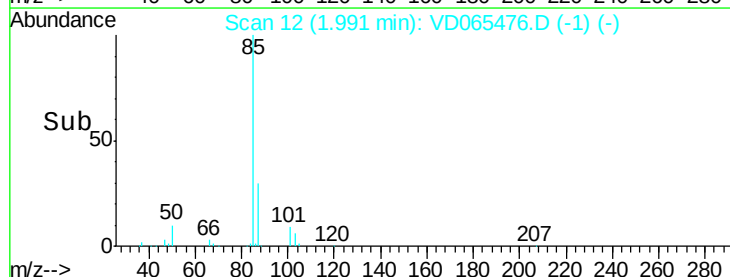
1.90

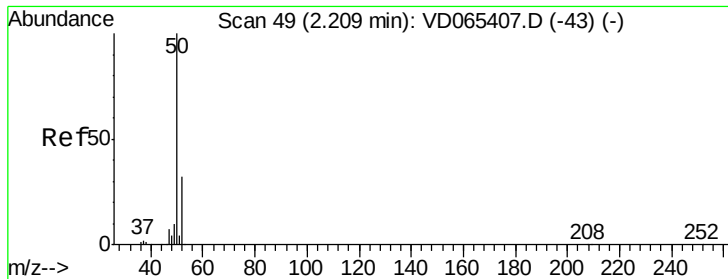
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.341 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

Tot Ion: 50 Resp: 105378

Ion Ratio Lower Upper

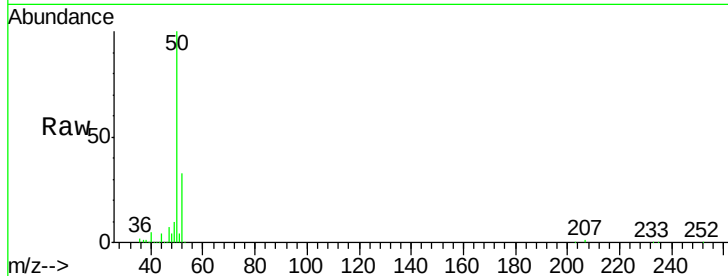
50 100

52 32.6 25.8 38.8

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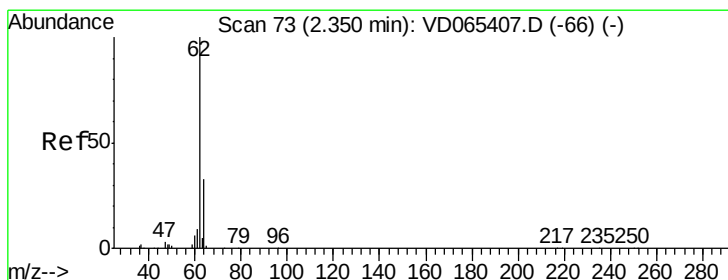
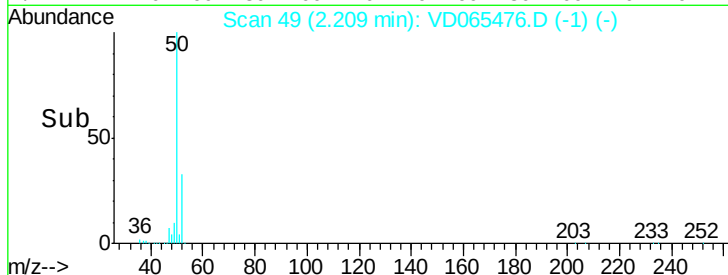
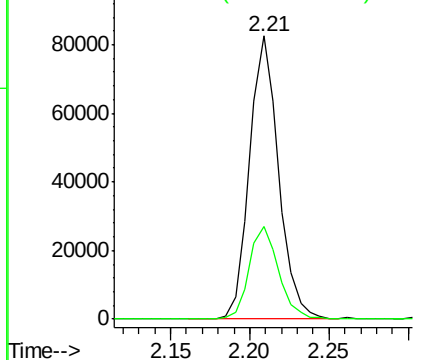
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.808 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065476.D

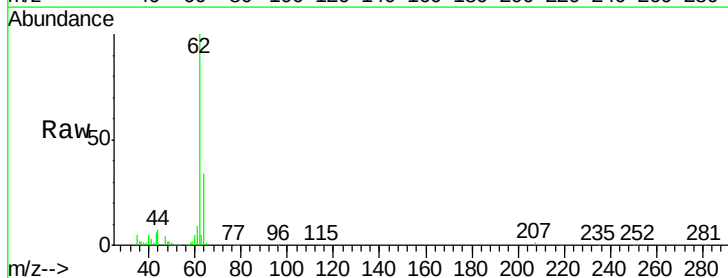
Acq: 11 Mar 2020 12:37

Tgt Ion: 62 Resp: 106215

Ion Ratio Lower Upper

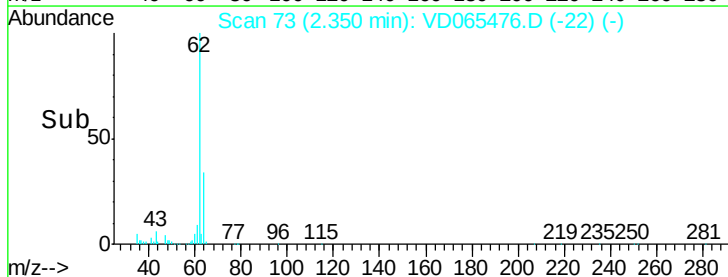
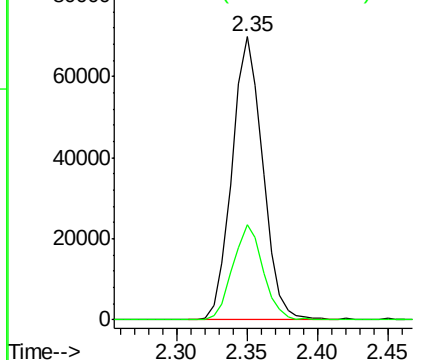
62 100

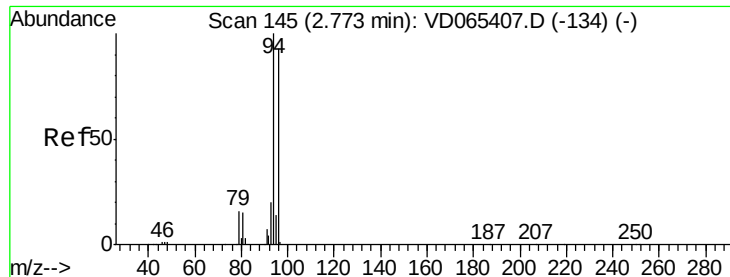
64 33.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.519 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 94 Resp: 68633

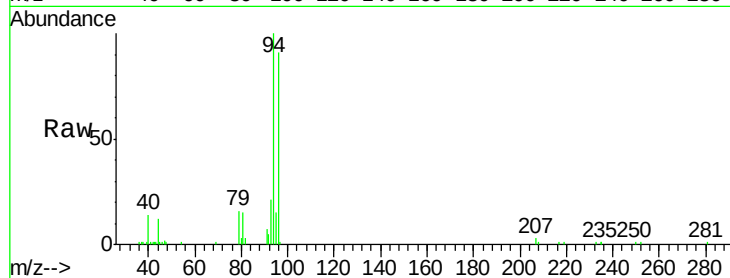
Ion Ratio Lower Upper

94 100

96 89.9 74.4 111.6

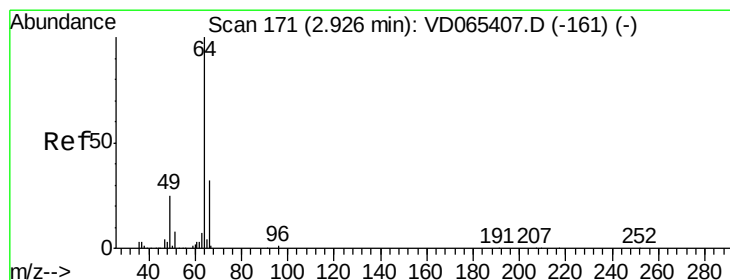
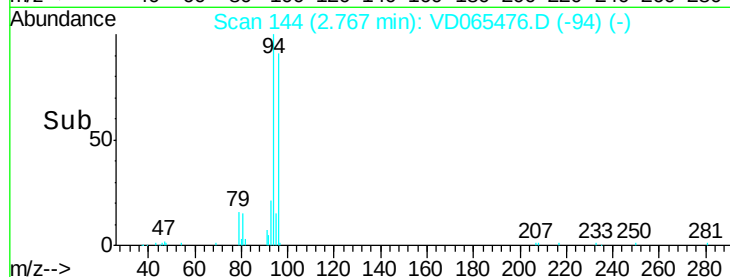
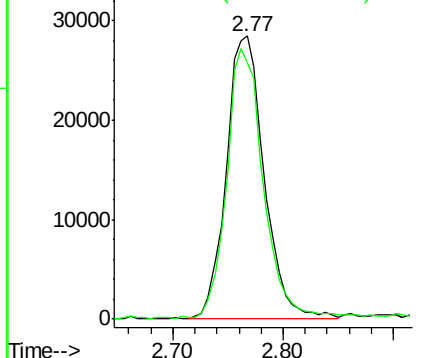
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.743 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065476.D

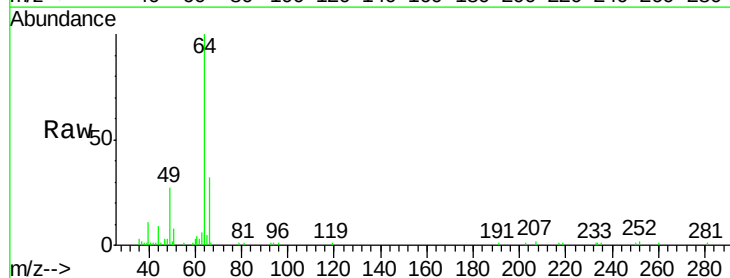
Acq: 11 Mar 2020 12:37

Tgt Ion: 64 Resp: 64858

Ion Ratio Lower Upper

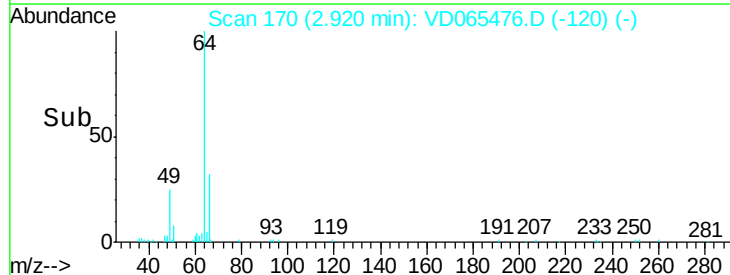
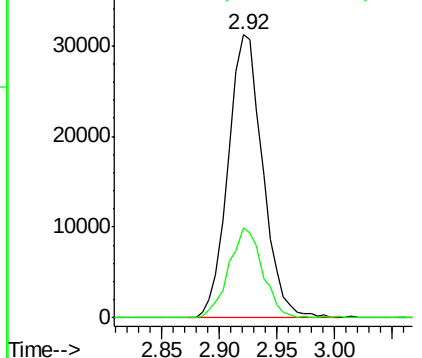
64 100

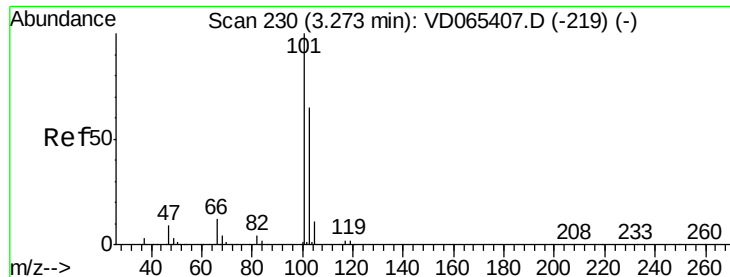
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

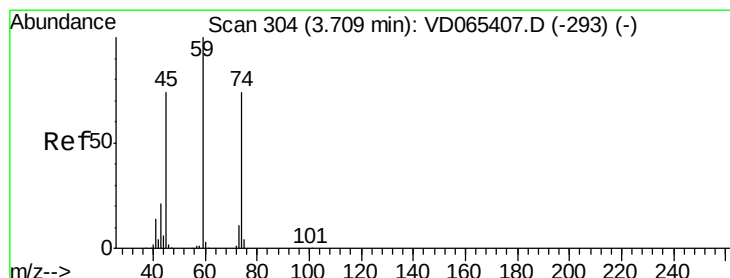
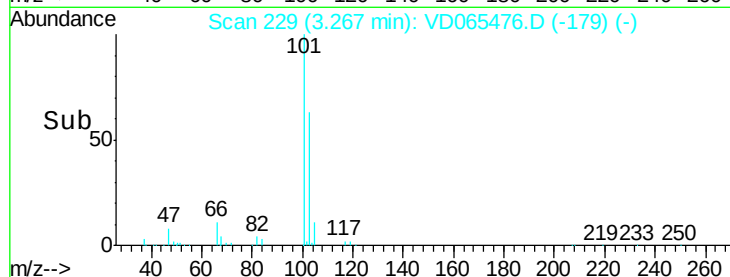
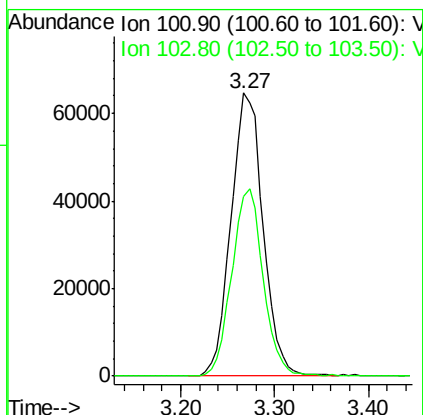
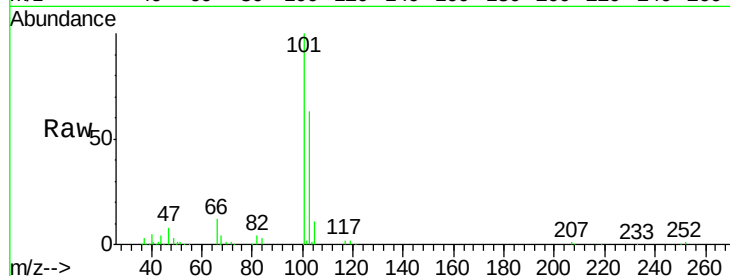
Trichlorofluoromethane
 Concen: 21.366 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
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 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.1	78.1

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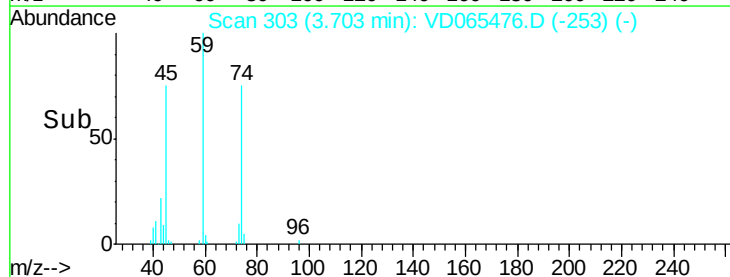
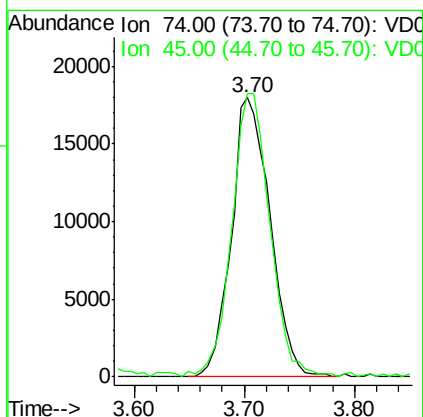
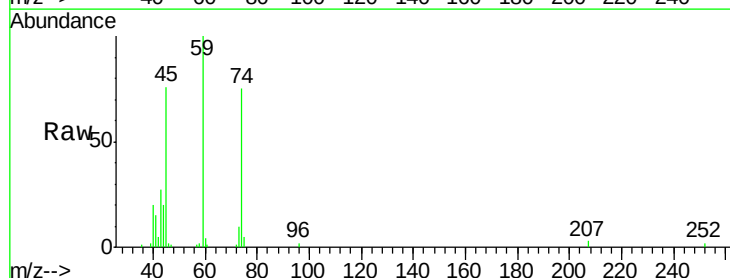
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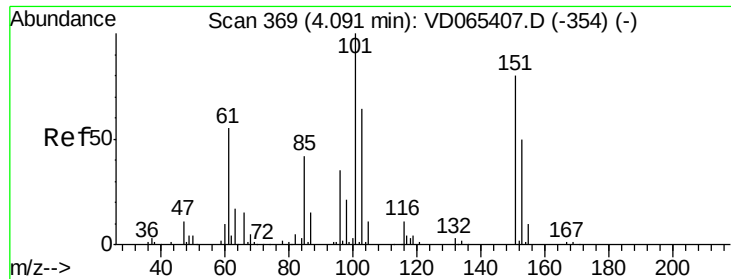


#8

Diethyl Ether
 Concen: 20.760 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065476.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.408 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

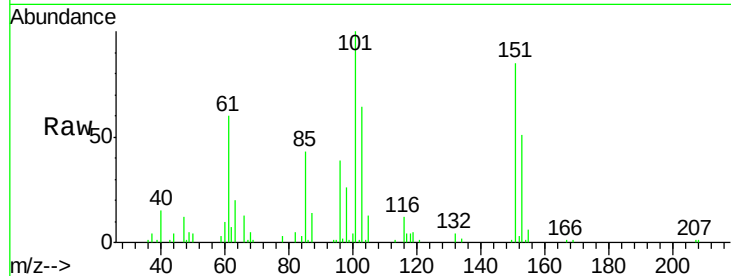
ClientSampleId :

VD0311SBSD01

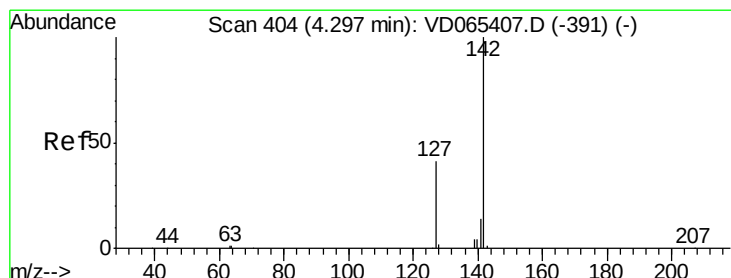
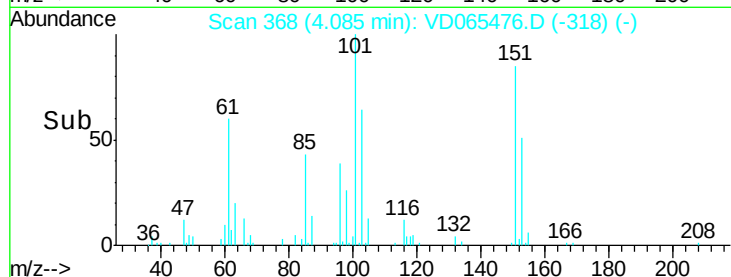
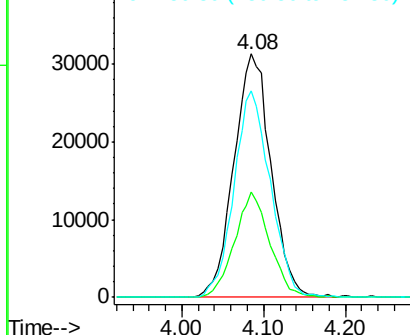
Tot Ion:	101	Resp:	98948
Ion Ratio	Lower	Upper	
101	100		
85	40.7	34.2	51.2
151	83.0	65.1	97.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.991 ug/l

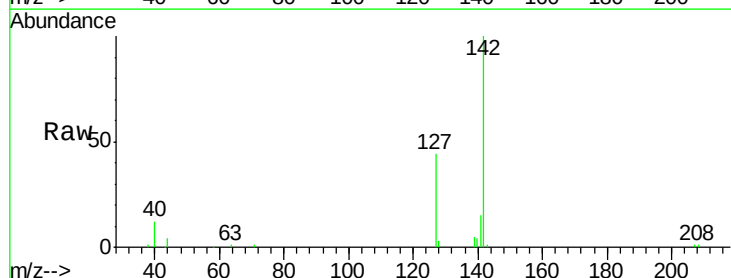
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

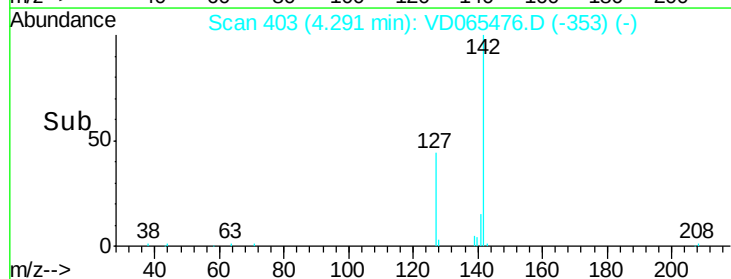
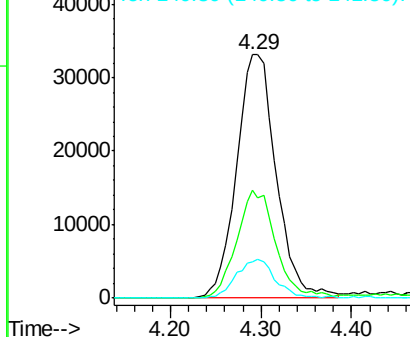
Lab File: VD065476.D

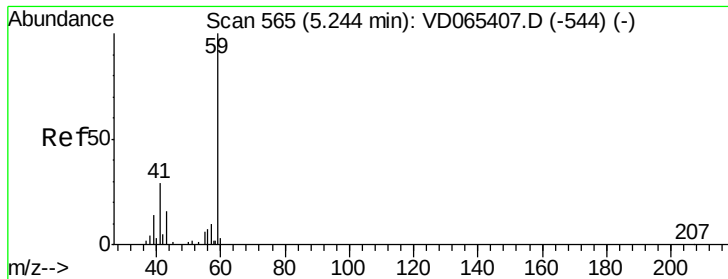
Acq: 11 Mar 2020 12:37

Tgt Ion:	142	Resp:	100796
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	15.5	12.4	18.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





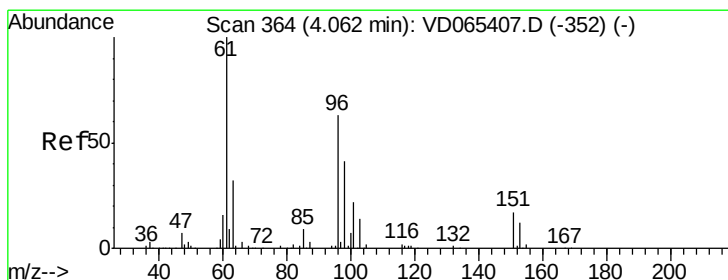
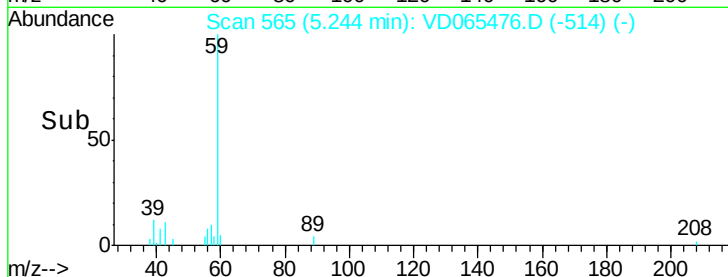
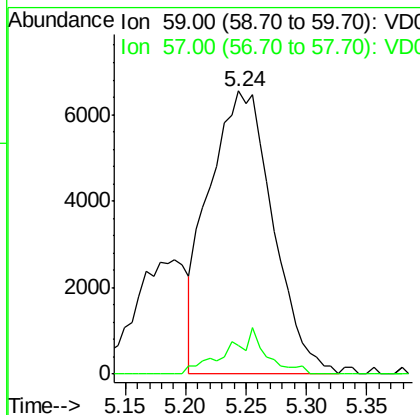
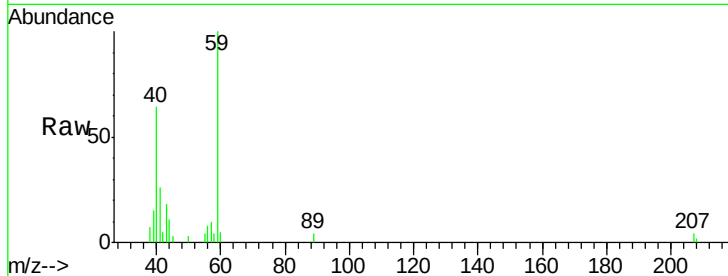
#11
Tert butyl alcohol
Concen: 102.707 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24049		
57	9.9		6.9	10.3

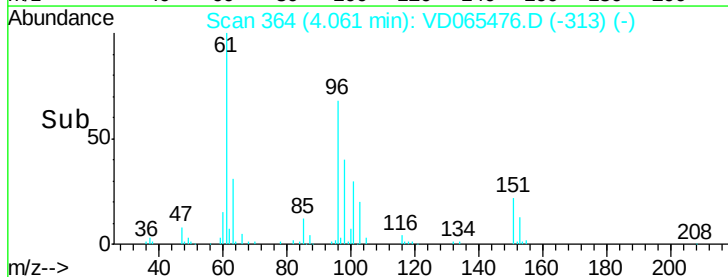
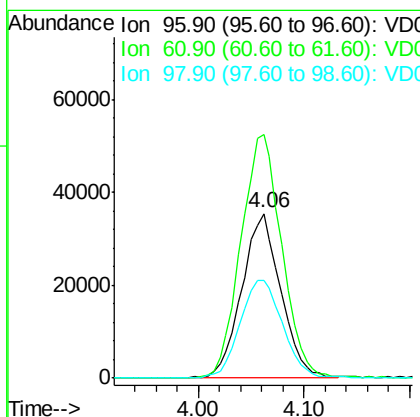
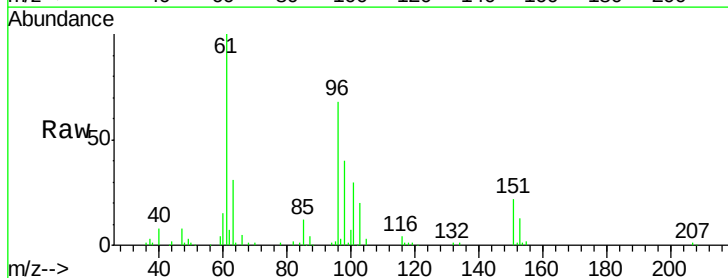
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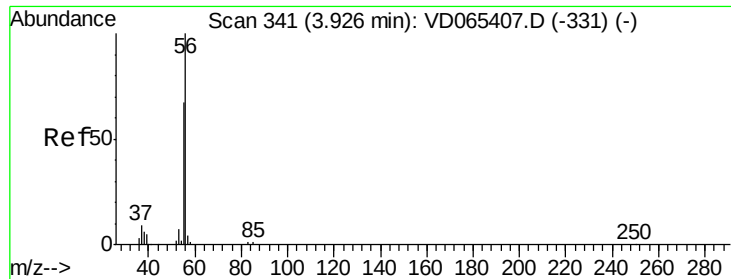
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.570 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91039		
61	148.1		128.0	192.0
98	59.8		51.9	77.9





#13

Acrolein

Concen: 90.532 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 56 Resp: 36559

Ion Ratio Lower Upper

56 100

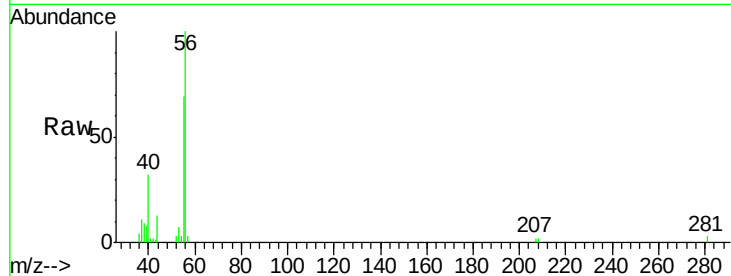
55 71.1 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

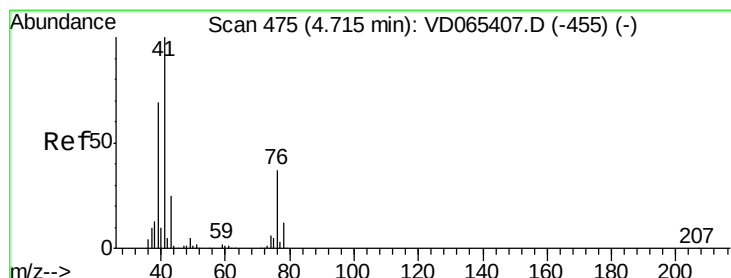
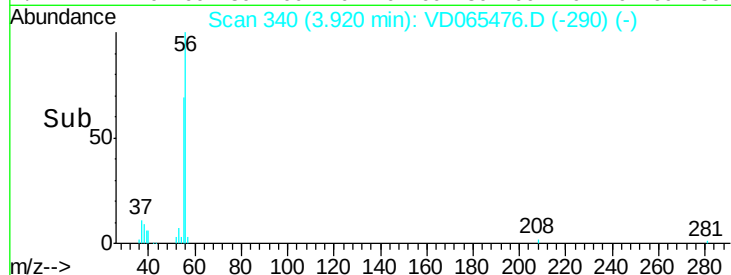
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.227 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

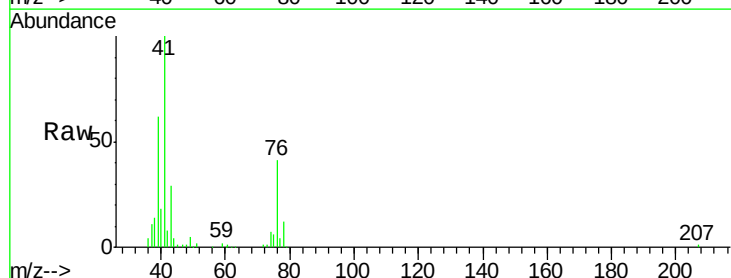
Tgt Ion: 41 Resp: 137517

Ion Ratio Lower Upper

41 100

39 64.3 52.6 79.0

76 37.3 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

60000

50000

40000

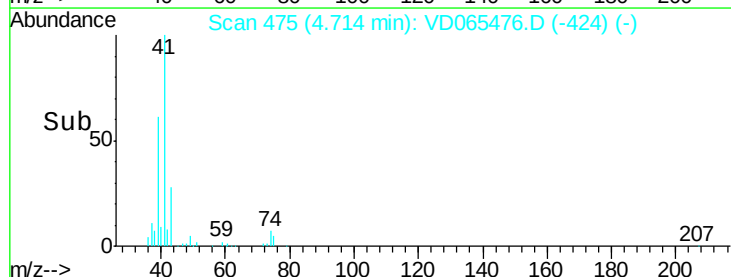
30000

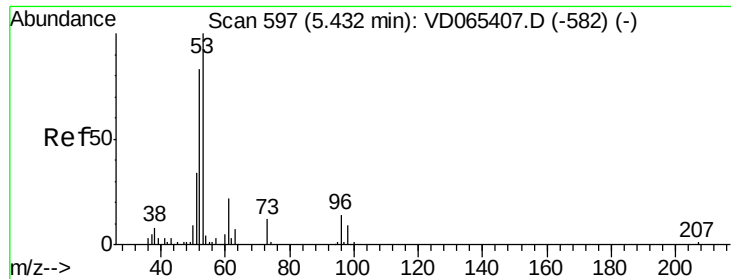
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 103.813 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

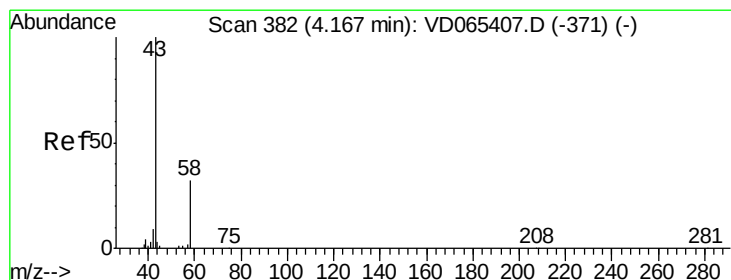
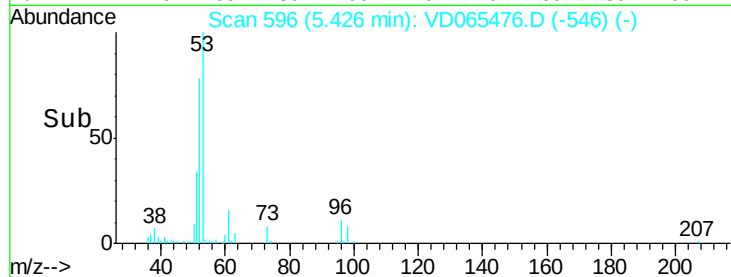
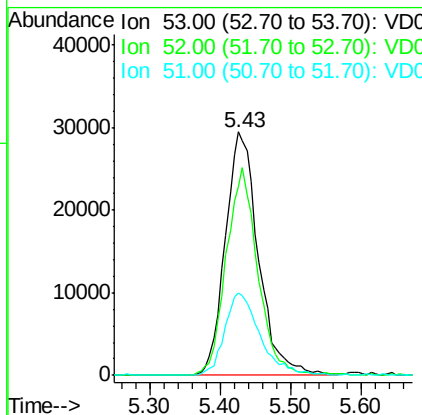
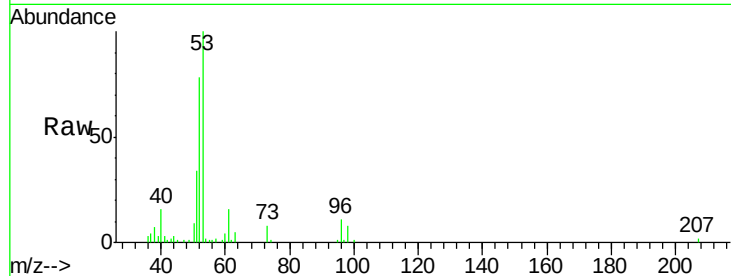
ClientSampleId :

VD0311SBS01

Tot Ion:	53	Resp:	96385
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.1	97.7
51	35.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 99.410 ug/l

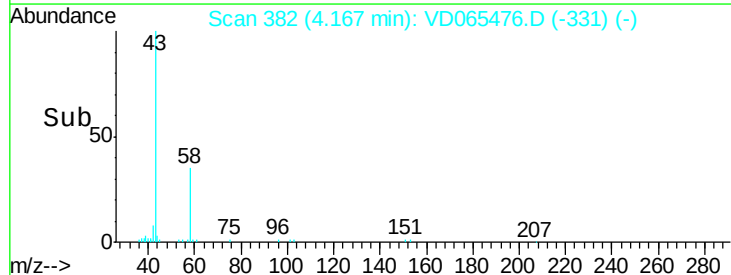
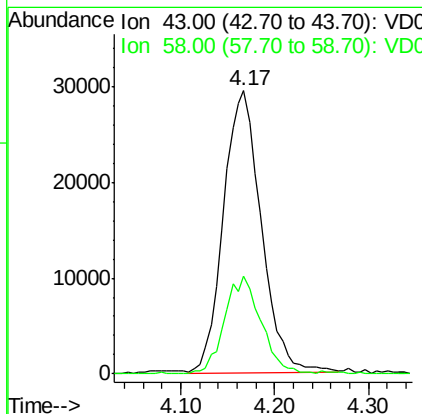
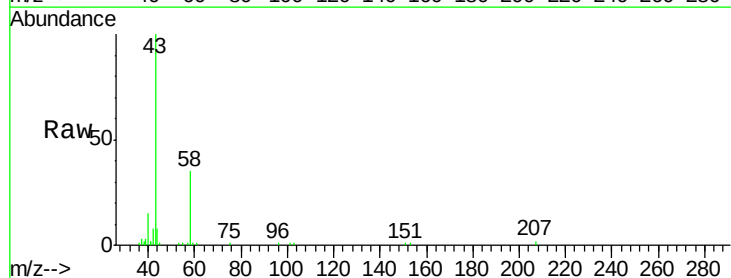
RT: 4.17 min Scan# 382

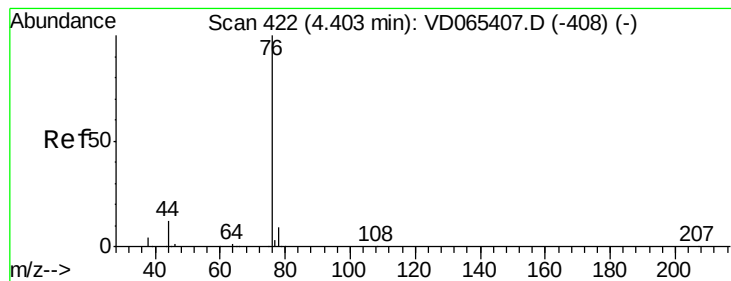
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	43	Resp:	82071
Ion Ratio	Lower	Upper	
43	100		
58	34.9	25.1	37.7





#17

Carbon Disulfide

Concen: 20.759 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

Tot Ion: 76 Resp: 305969

Ion Ratio Lower Upper

76 100

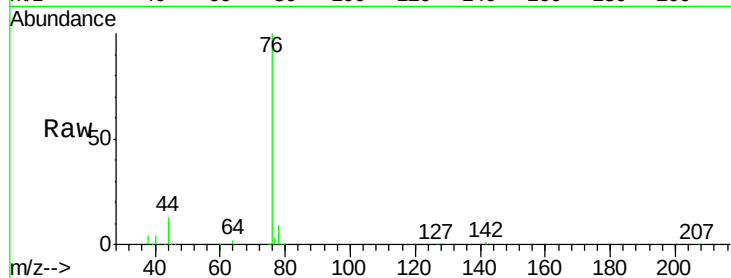
78 9.0 7.4 11.0

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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

120000

100000

80000

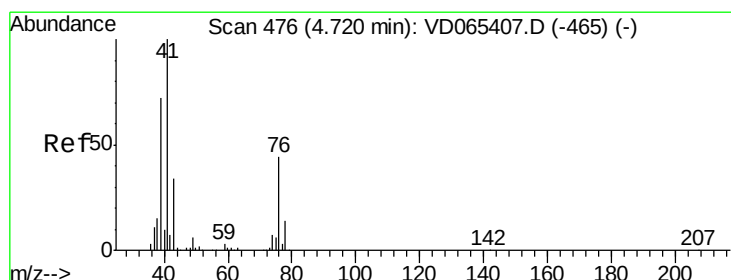
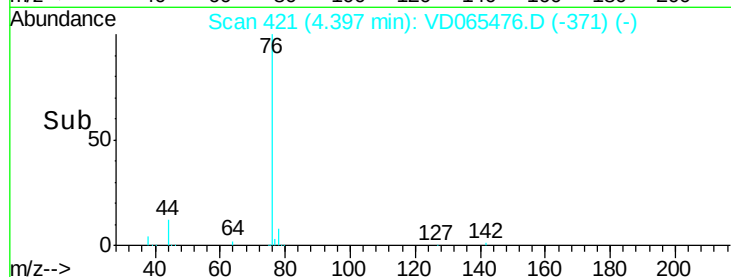
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.800 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065476.D

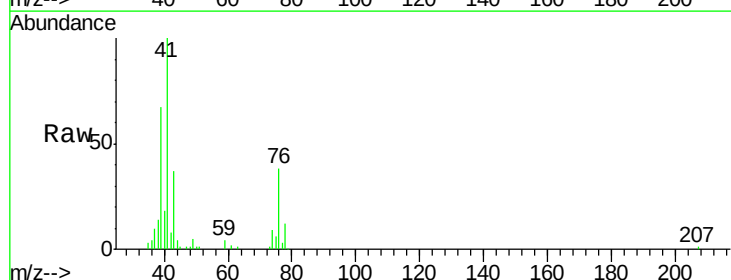
Acq: 11 Mar 2020 12:37

Tgt Ion: 43 Resp: 45654

Ion Ratio Lower Upper

43 100

74 25.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

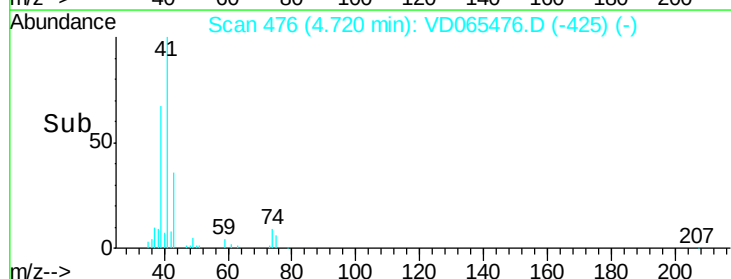
15000

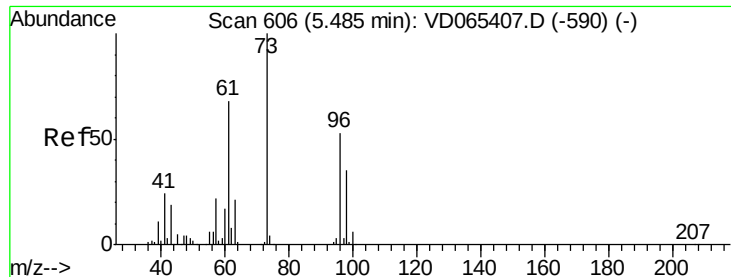
10000

5000

0

Time-->





#19

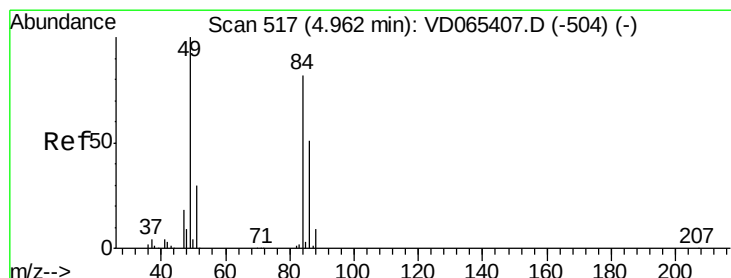
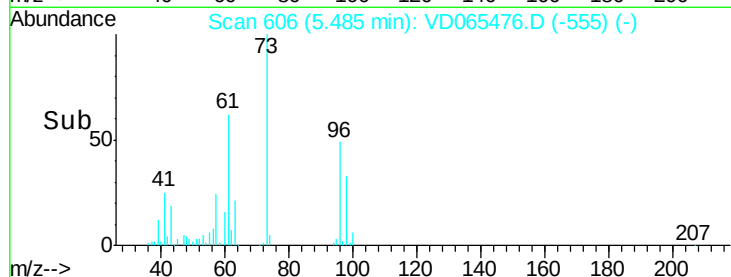
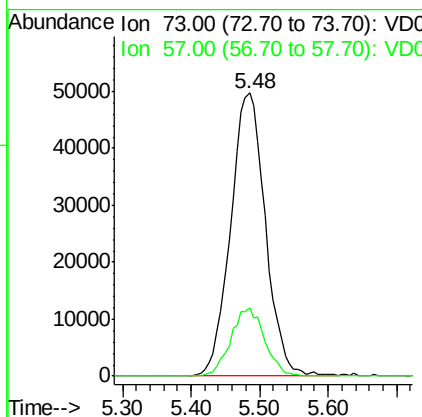
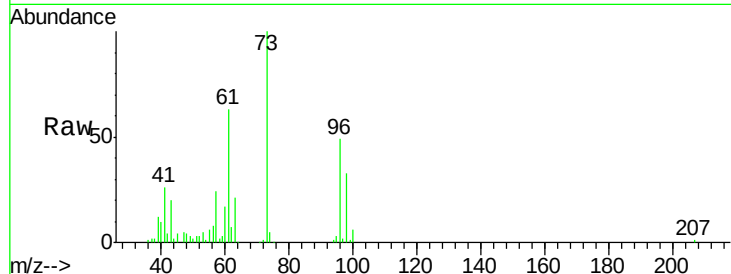
Methyl tert-butyl Ether
 Concen: 20.582 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion: 73 Resp: 175172
 Ion Ratio Lower Upper
 73 100
 57 23.9 17.3 25.9

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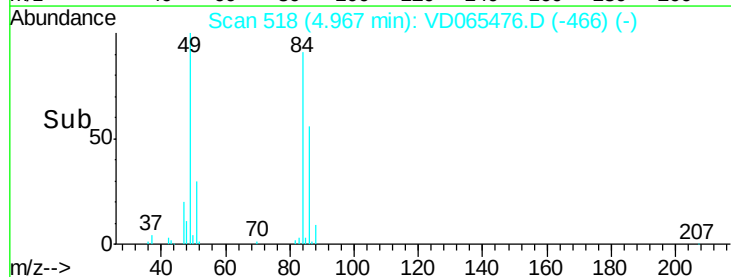
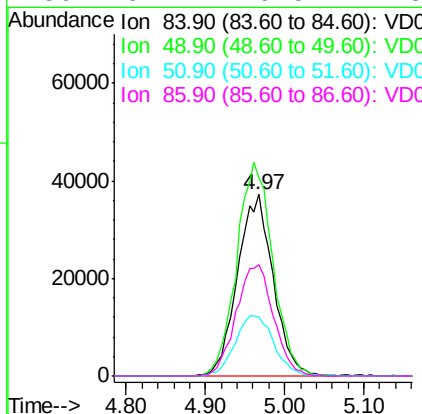
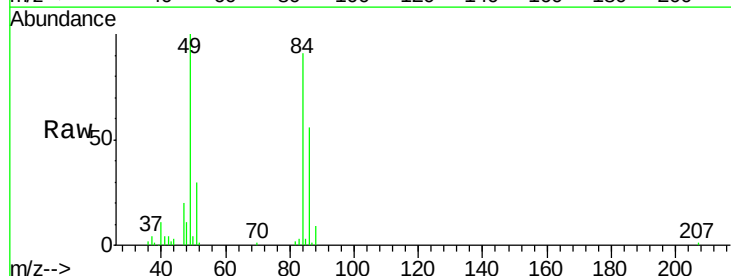
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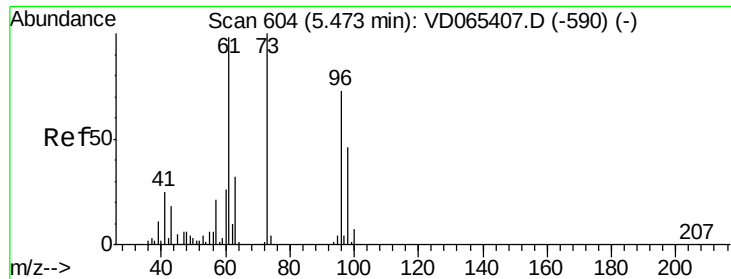


#20

Methylene Chloride
 Concen: 24.129 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion: 84 Resp: 116194
 Ion Ratio Lower Upper
 84 100
 49 109.4 97.7 146.5
 51 32.7 28.8 43.2
 86 61.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.984 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

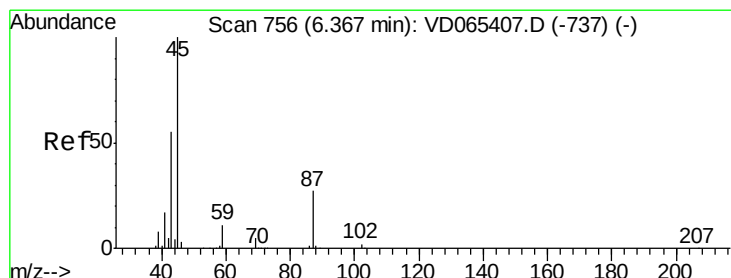
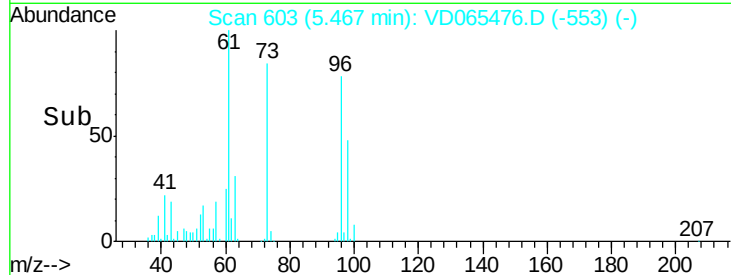
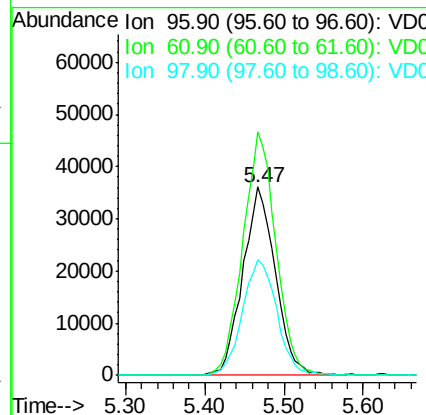
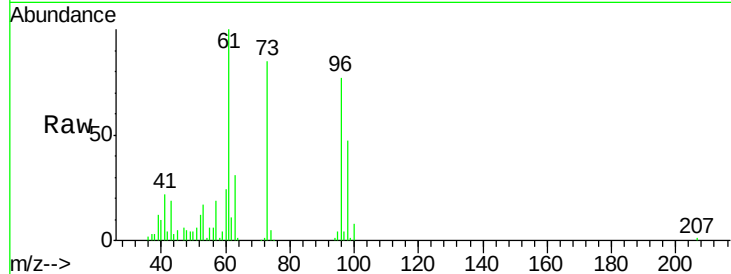
ClientSampleId :

VD0311SBS01

Tot Ion:	96	Resp:	103312
Ion	Ratio	Lower	Upper
96	100		
61	129.3	106.3	159.5
98	61.4	50.2	75.4

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#22

Diisopropyl ether

Concen: 21.866 ug/l

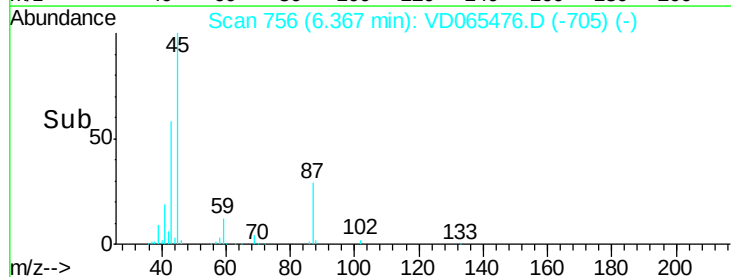
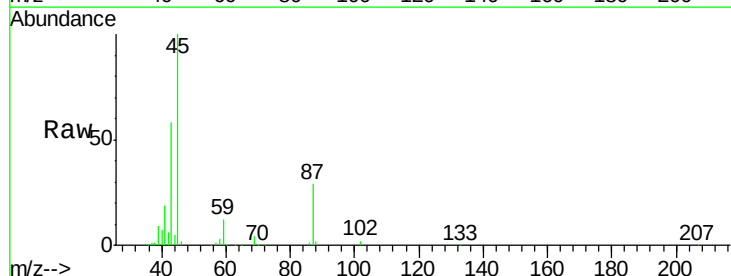
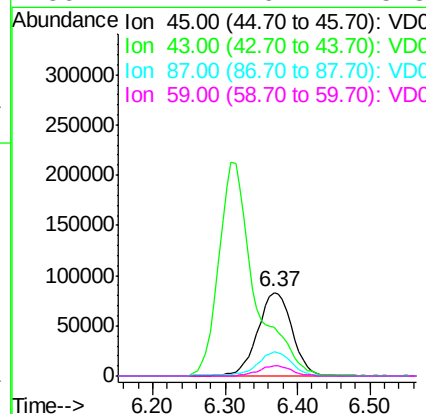
RT: 6.37 min Scan# 756

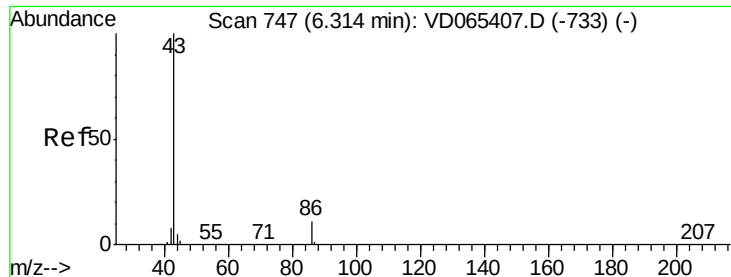
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	45	Resp:	276356
Ion	Ratio	Lower	Upper
45	100		
43	57.1	44.4	66.6
87	28.5	21.9	32.9
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 103.538 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 43 Resp: 726589

Ion Ratio Lower Upper

43 100

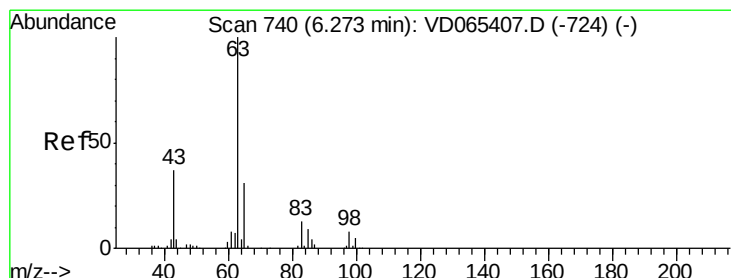
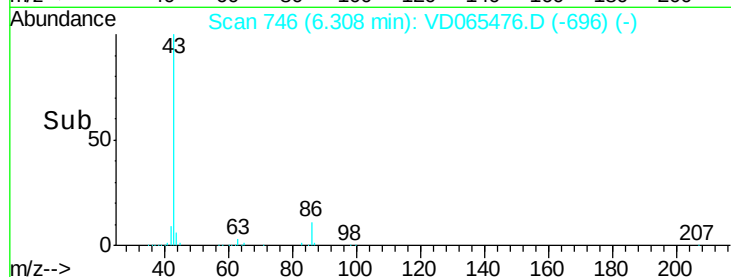
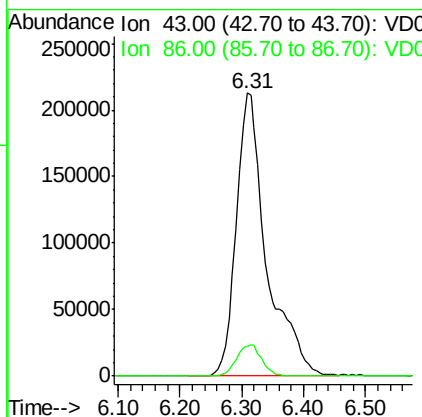
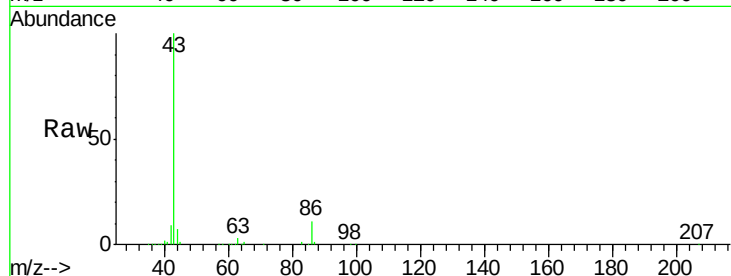
86 10.8 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 21.330 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

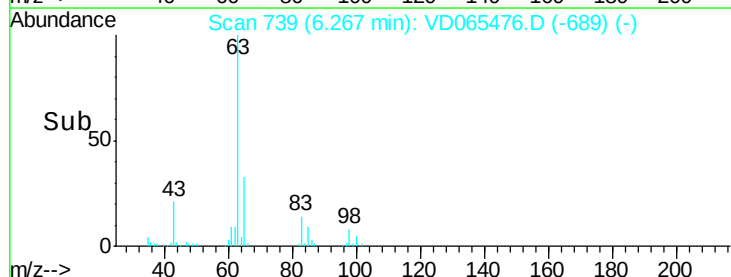
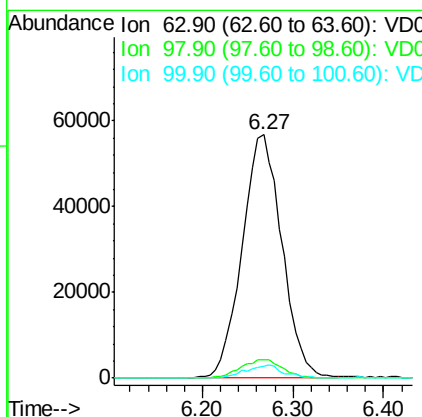
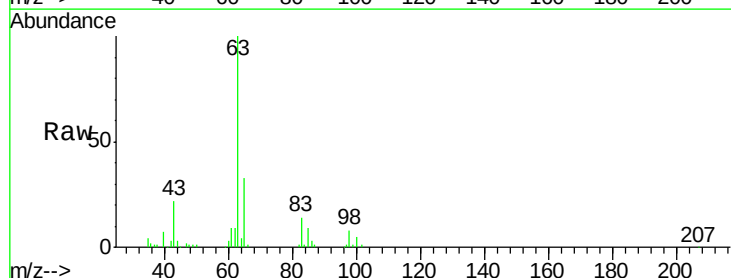
Tgt Ion: 63 Resp: 172911

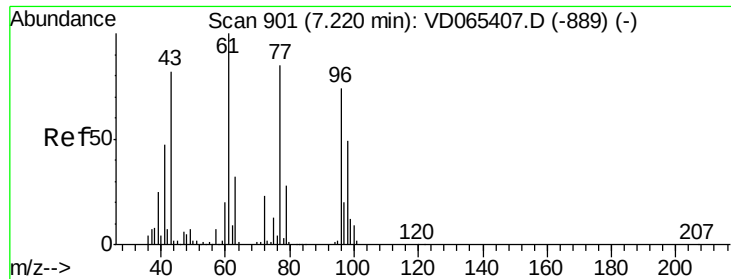
Ion Ratio Lower Upper

63 100

98 7.6 4.2 12.6

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 102.610 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 43 Resp: 115603

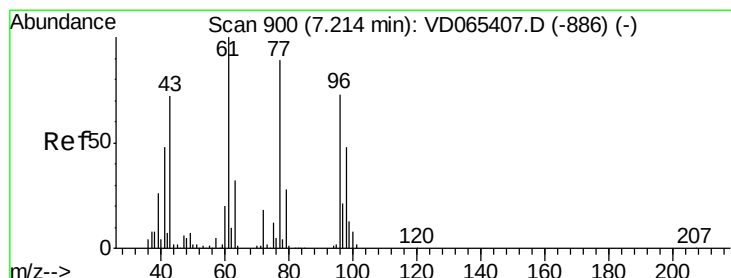
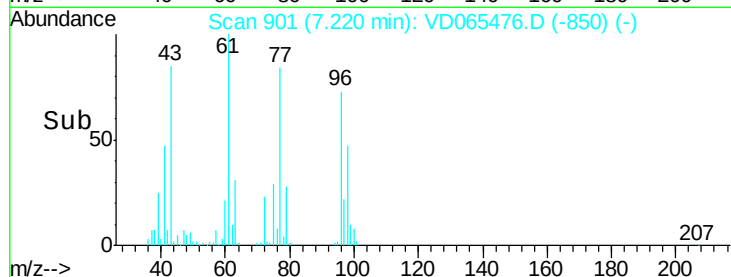
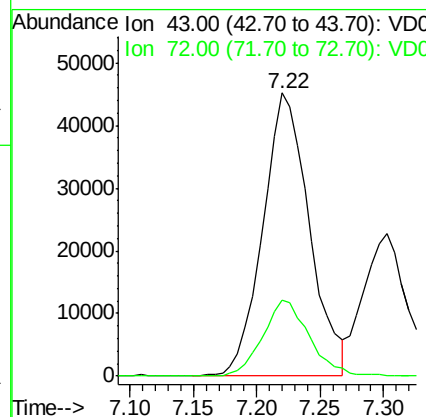
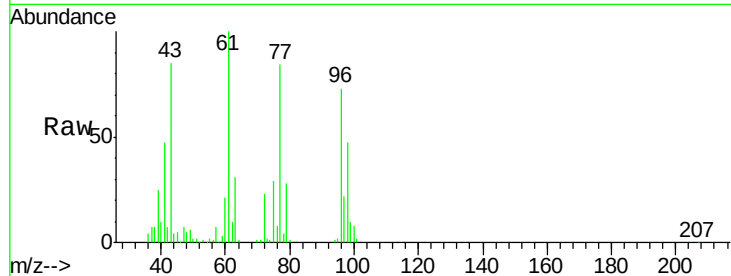
Ion Ratio Lower Upper

43 100

72 27.0 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 20.891 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065476.D

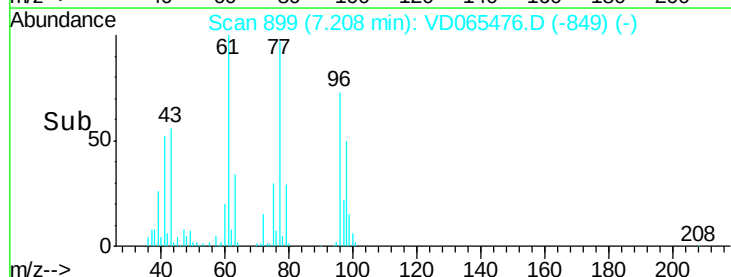
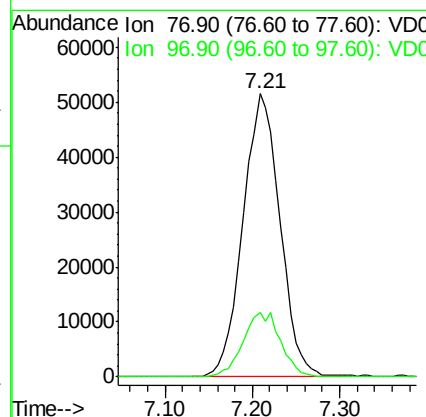
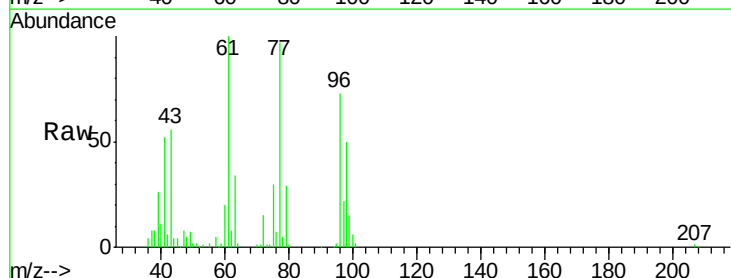
Acq: 11 Mar 2020 12:37

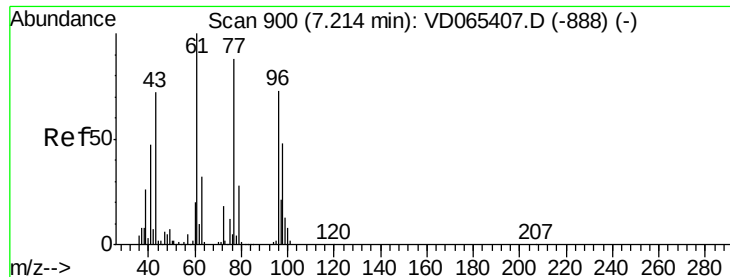
Tgt Ion: 77 Resp: 147994

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4





#27

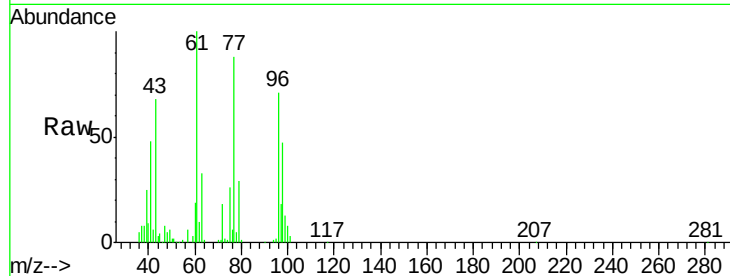
cis-1,2-Dichloroethene
Concen: 20.953 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

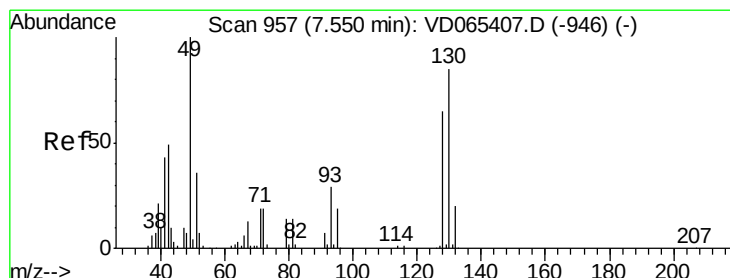
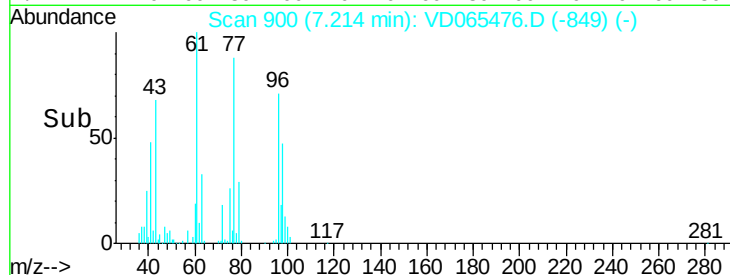
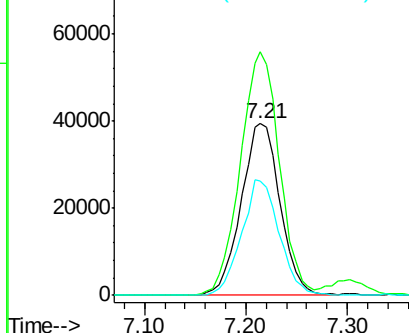
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	280.4
98	64.8	0.0	132.6

Manual Integrations
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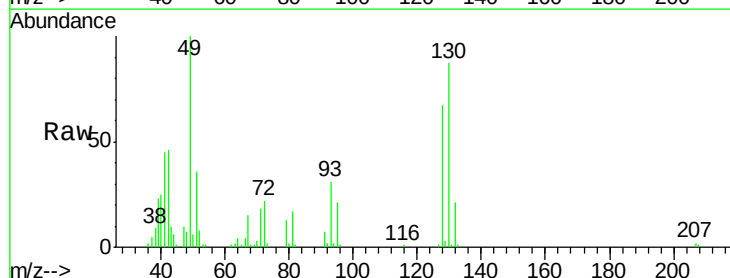
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



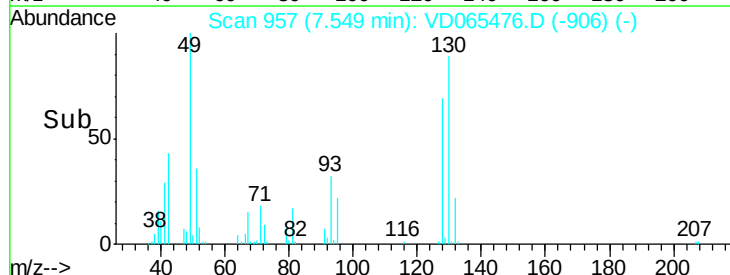
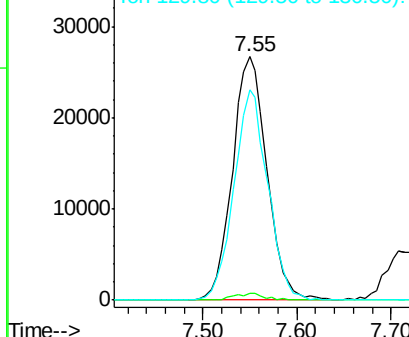
#28

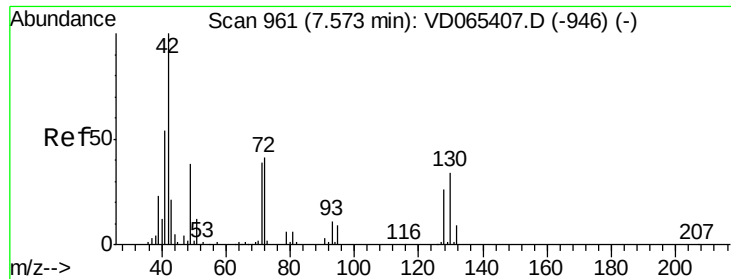
Bromochloromethane
Concen: 20.941 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	84.6	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





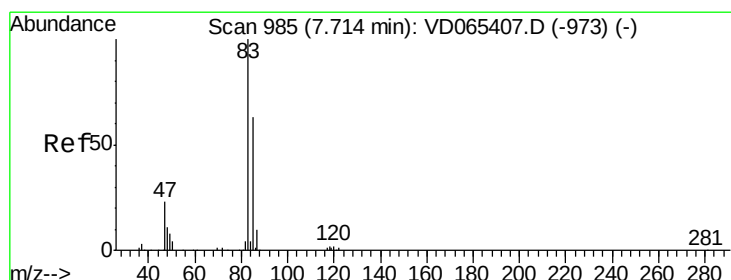
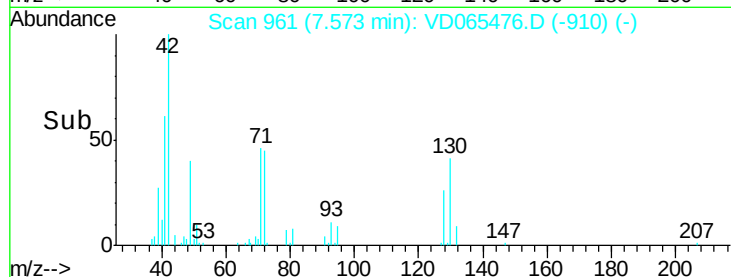
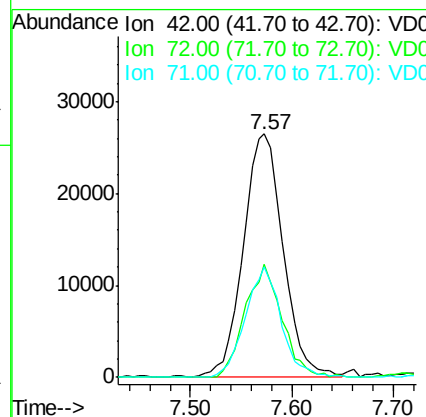
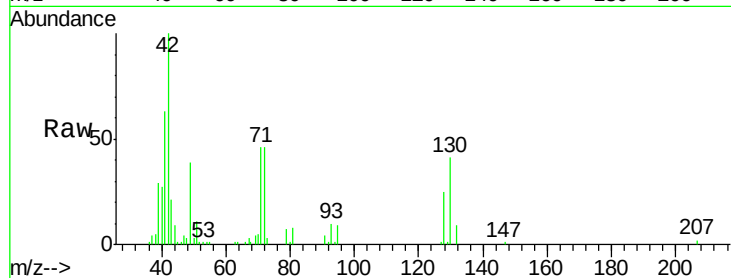
#29
Tetrahydrofuran
Concen: 100.711 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS001

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.0	49.6
71	40.8	32.0	48.0

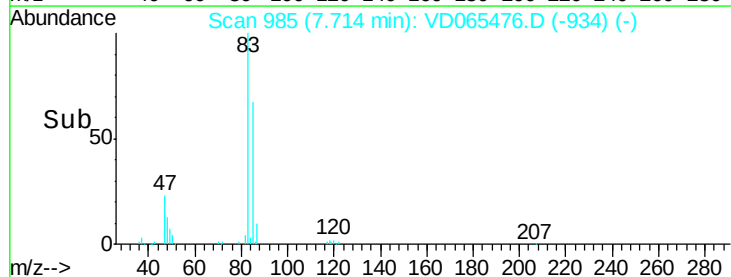
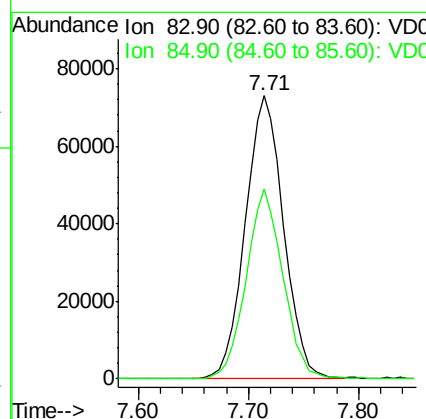
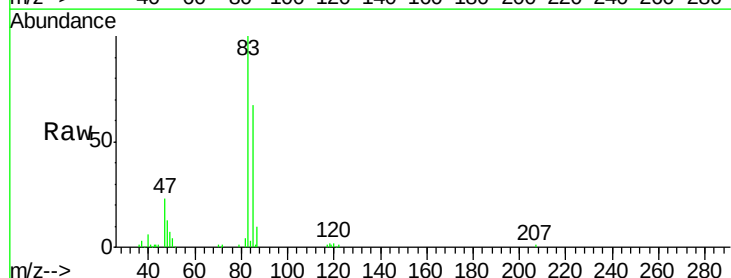
Manual Integrations
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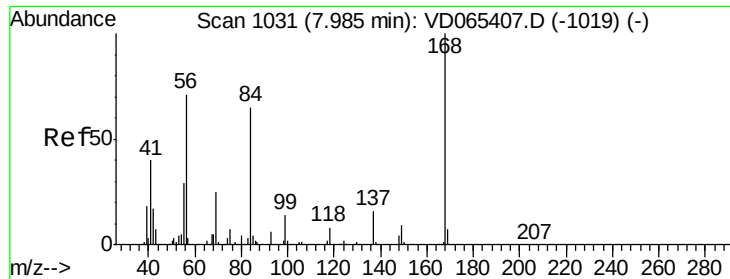
MMDadoda
3/13/2020 9:49:37 AM



#30
Chloroform
Concen: 21.976 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.3	75.5





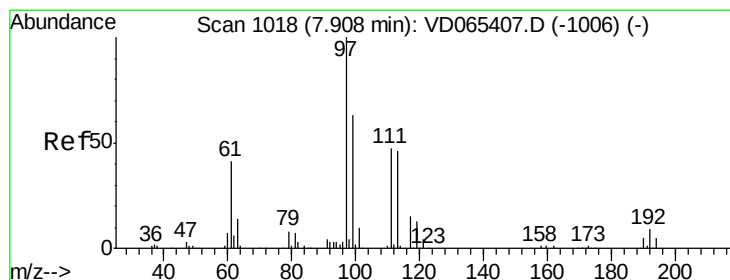
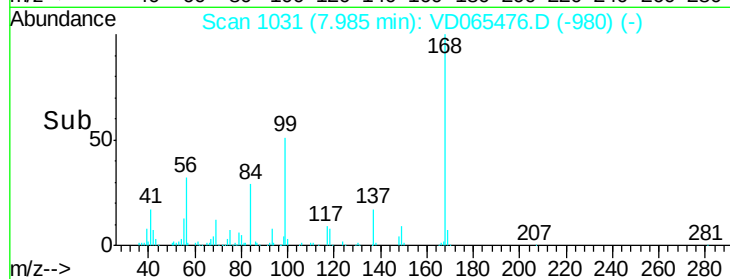
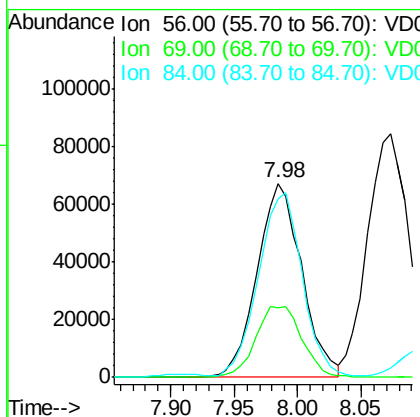
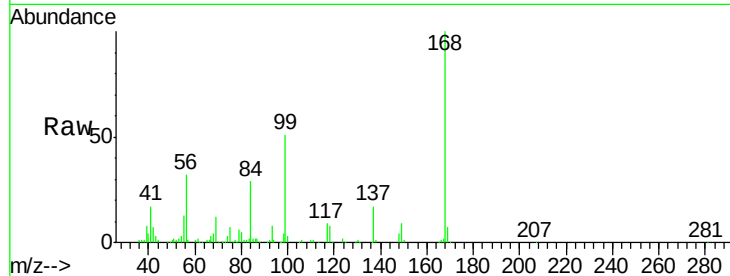
#31
Cyclohexane
Concen: 20.378 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.9	28.3	42.5	
84	90.4	73.1	109.7	

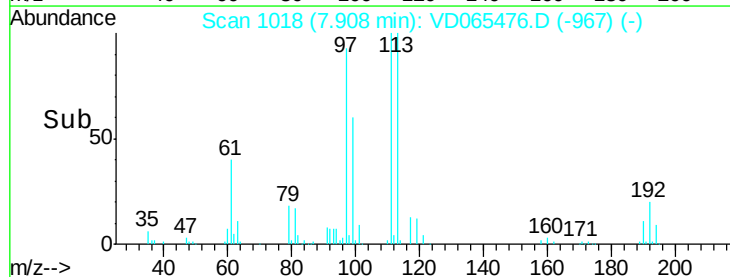
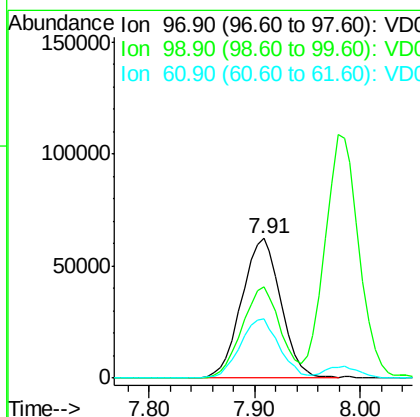
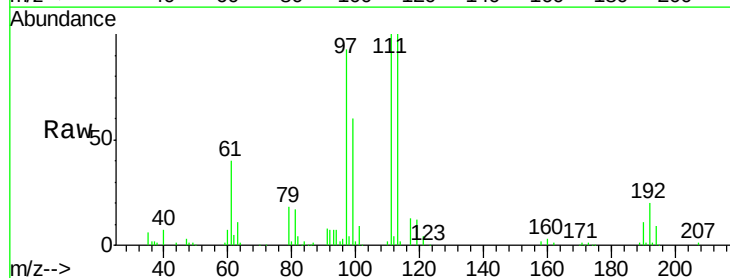
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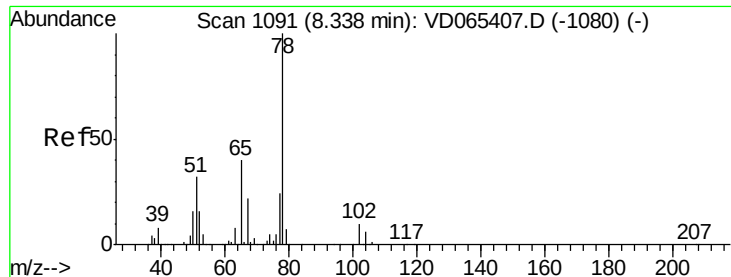
MMDadoda
3/13/2020 9:49:37 AM



#32
1,1,1-Trichloroethane
Concen: 21.475 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	50.9	76.3	
61	42.6	33.2	49.8	





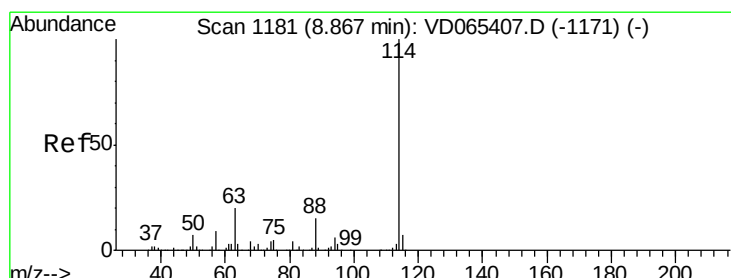
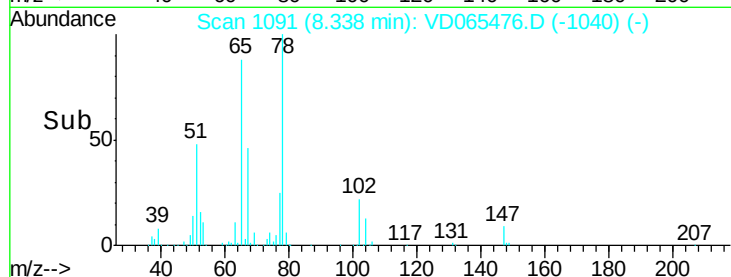
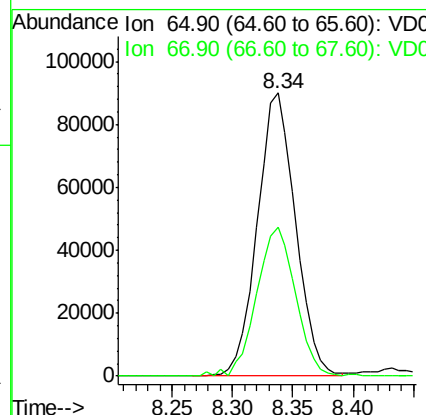
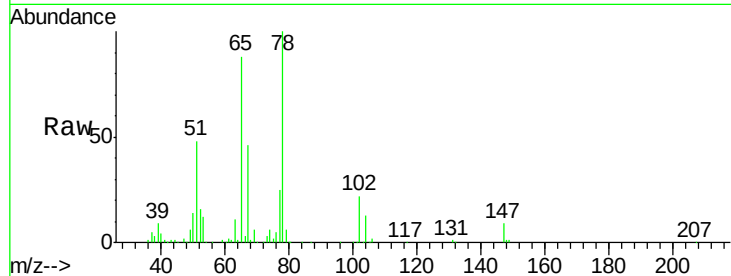
#33
 1,2-Dichloroethane-d4
 Concen: 48.342 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197340		
67	53.5	0.0	108.0	

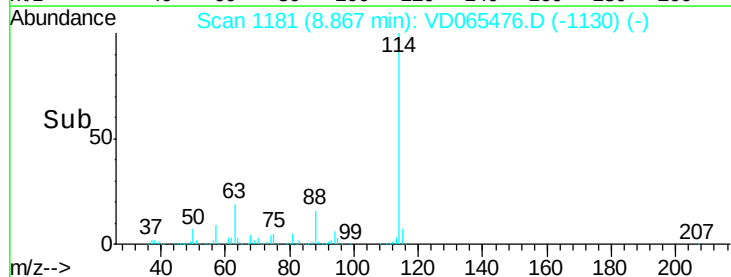
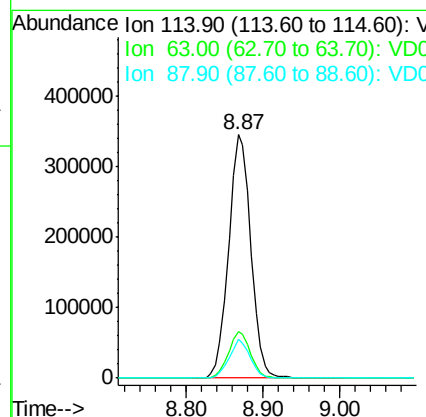
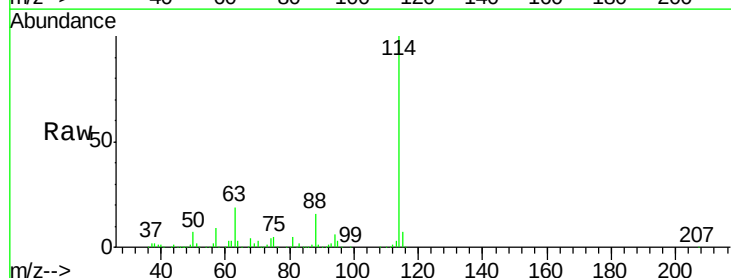
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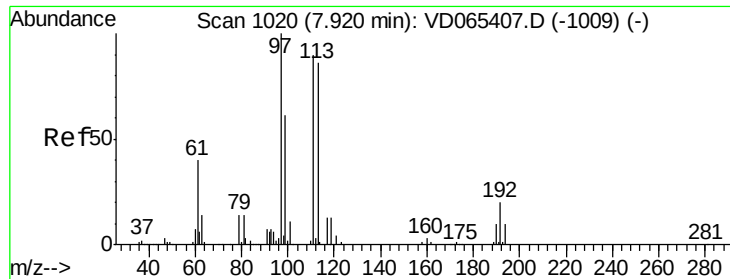
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	694565		
63	19.2	0.0	39.6	
88	15.7	0.0	30.4	





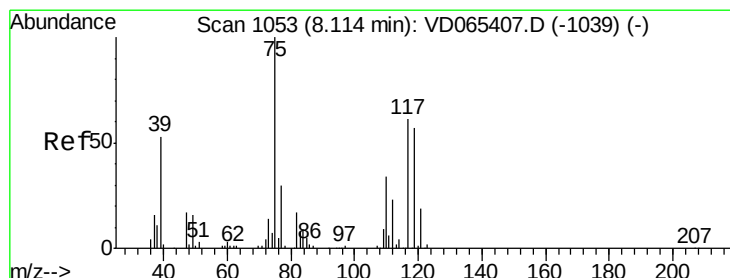
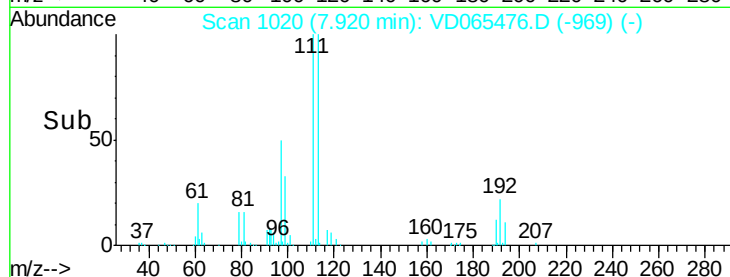
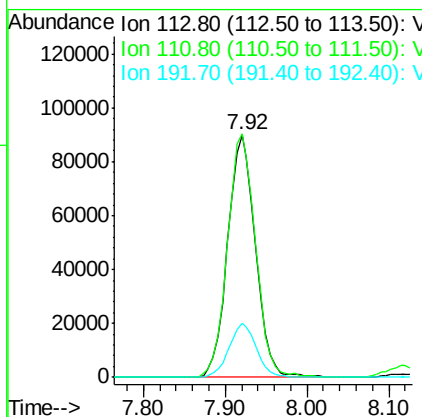
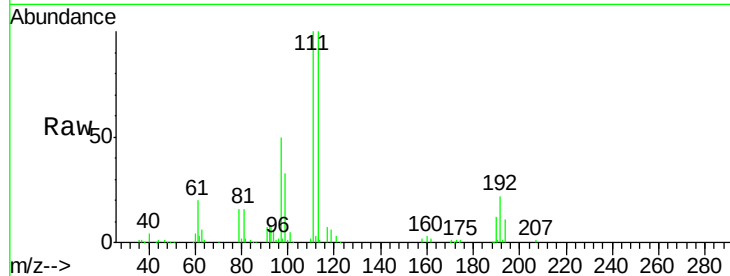
#35
 Dibromofluoromethane
 Concen: 49.442 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	21.7	17.2	25.8

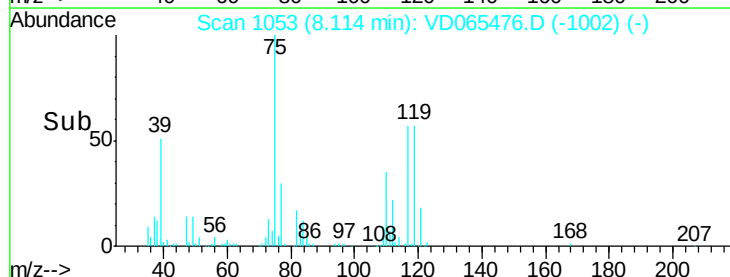
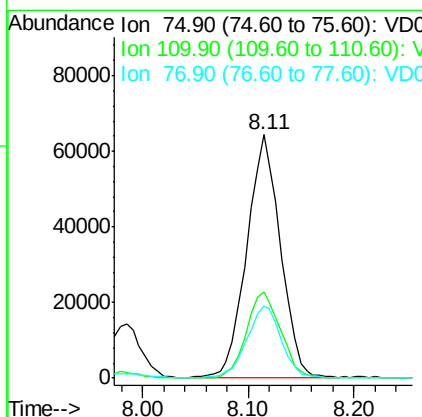
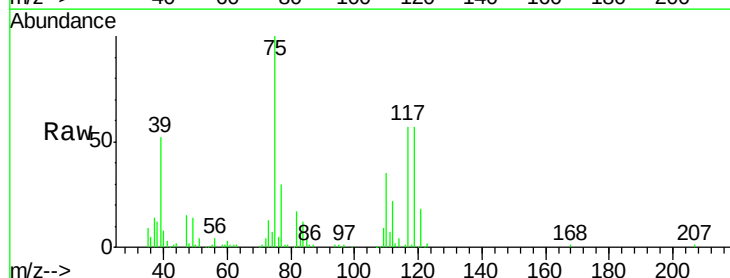
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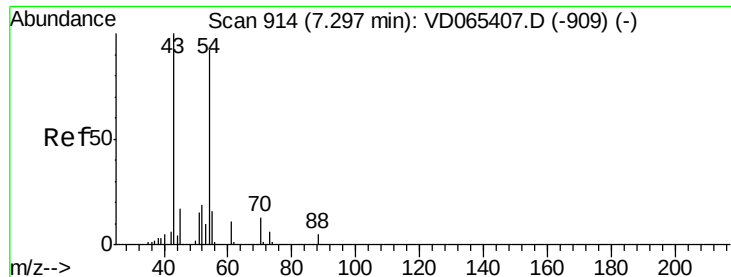
MMDadoda
 3/13/2020 9:49:37 AM



#36
 1,1-Dichloropropene
 Concen: 21.519 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.1
77	30.5	25.2	37.8





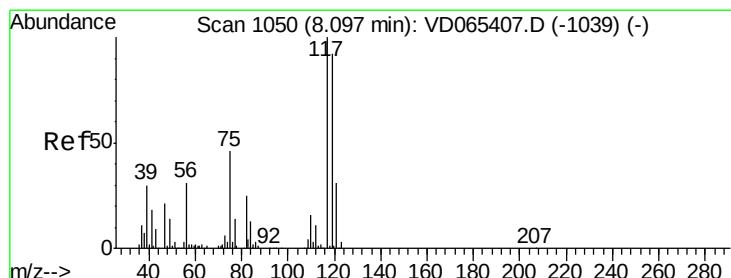
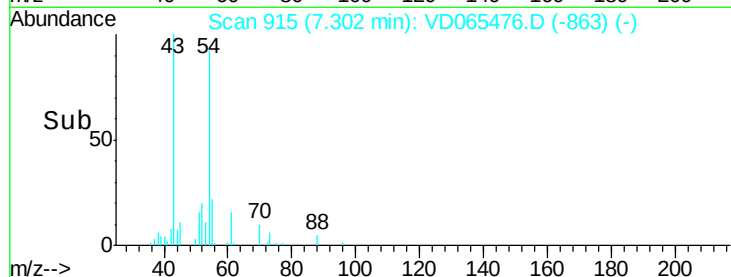
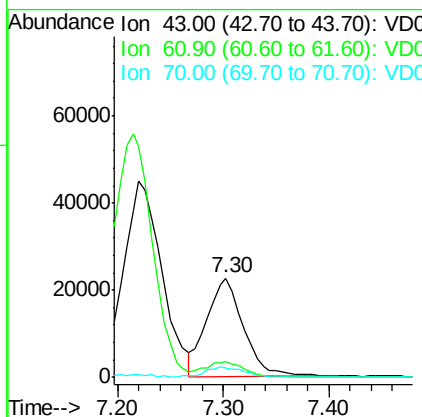
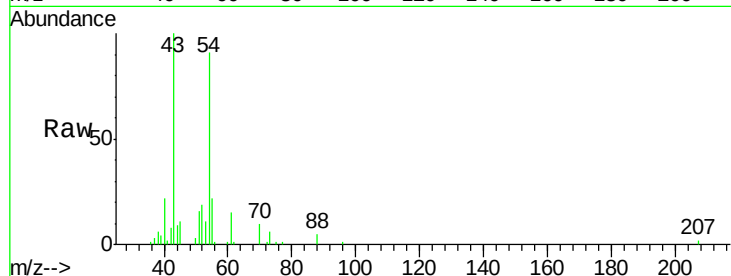
#37
Ethyl Acetate
Concen: 21.372 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	11.4	17.0#
70	10.9	9.0	13.4

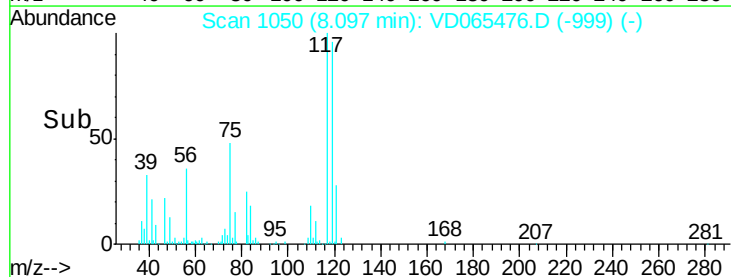
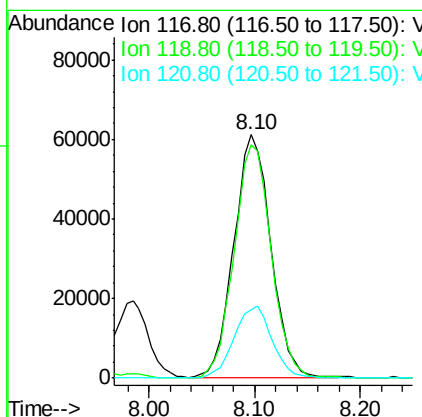
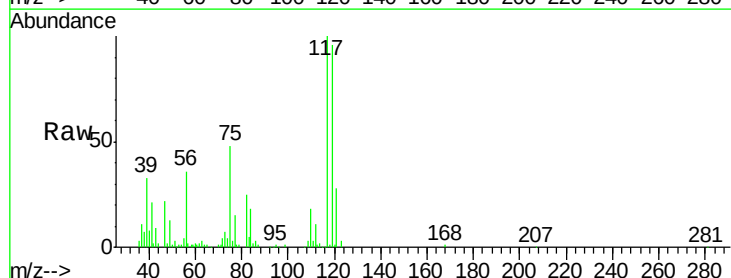
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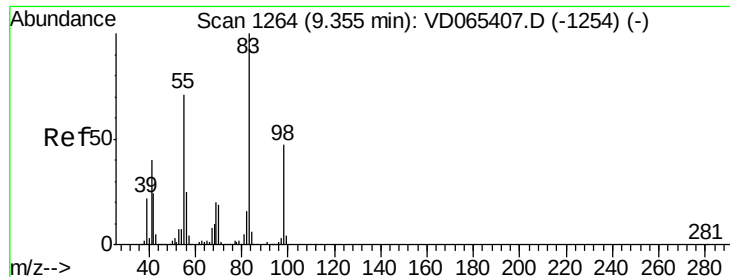
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#38
Carbon Tetrachloride
Concen: 21.646 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	73.3	109.9
121	28.2	25.0	37.4





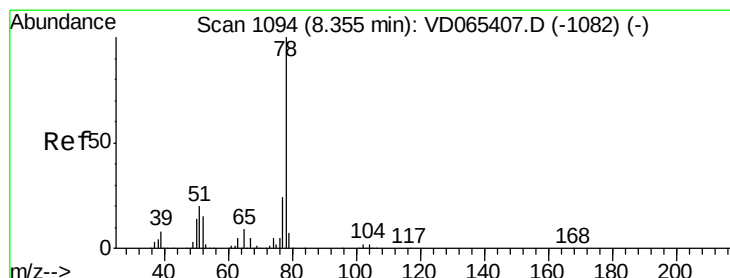
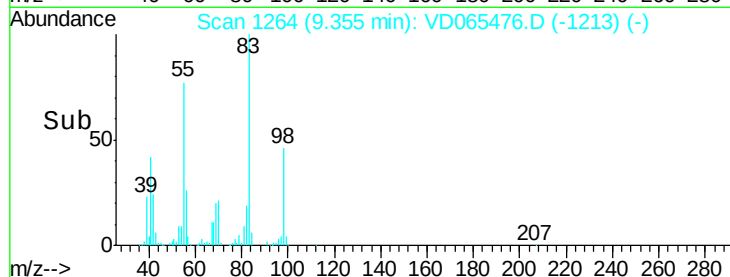
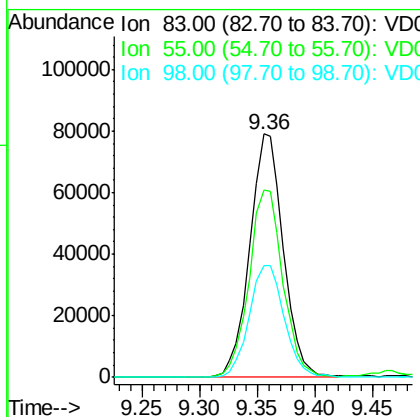
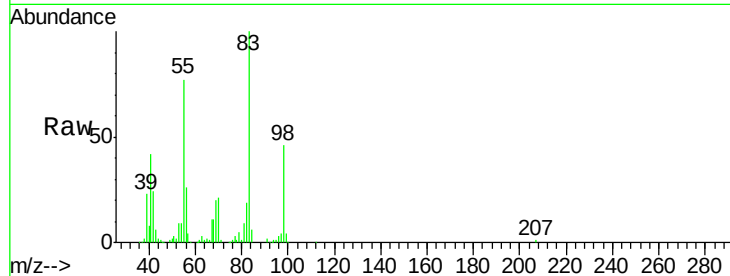
#39
Methylvlcyclohexane
Concen: 19.924 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	57.1	85.7
98	46.2	37.8	56.8

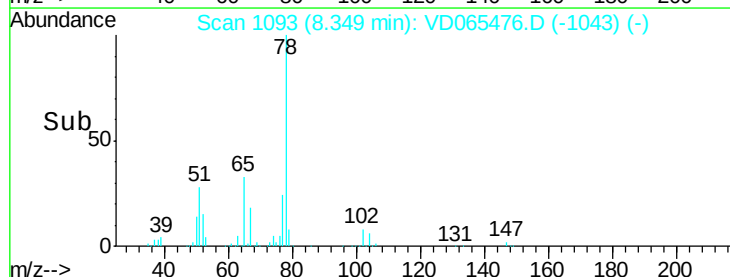
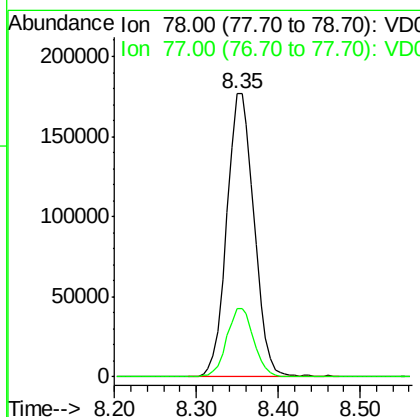
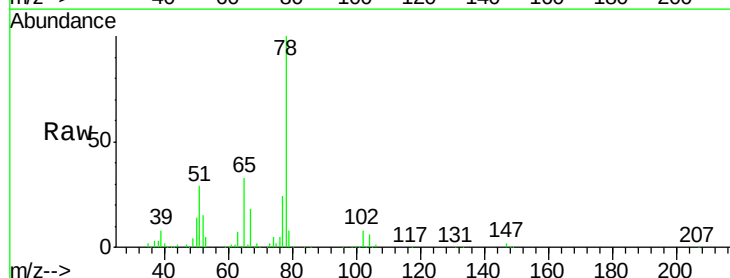
Manual Integrations
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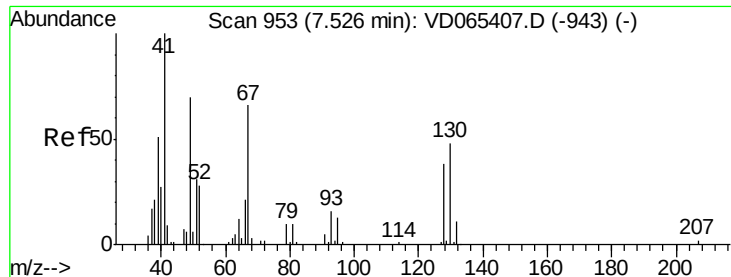
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#40
Benzene
Concen: 22.126 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





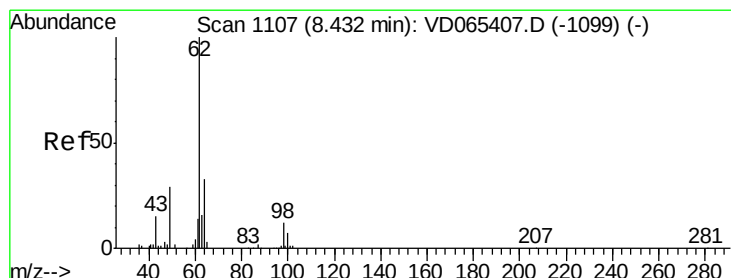
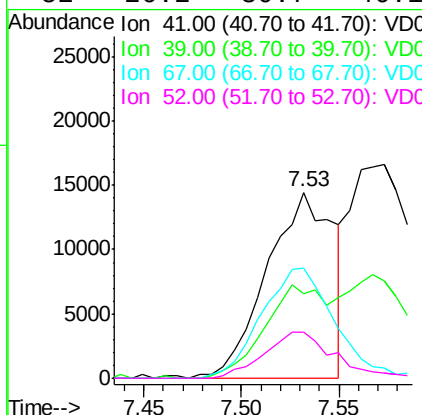
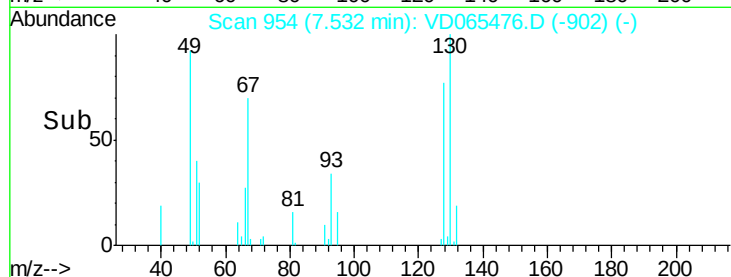
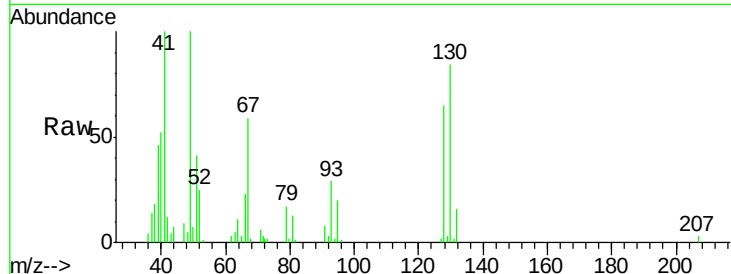
#41
Methacrylonitrile
Concen: 25.135 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion: 41 Resp: 34207
Ion Ratio Lower Upper
41 100
39 44.9 55.0 82.6#
67 65.3 70.3 105.5#
52 26.2 30.7 46.1#

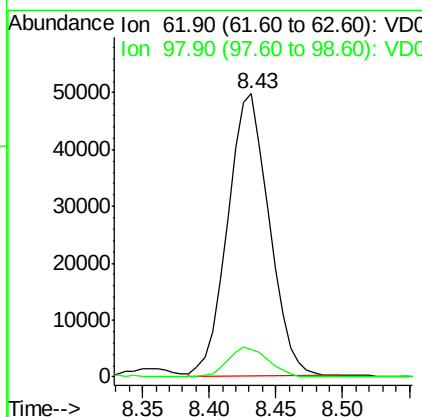
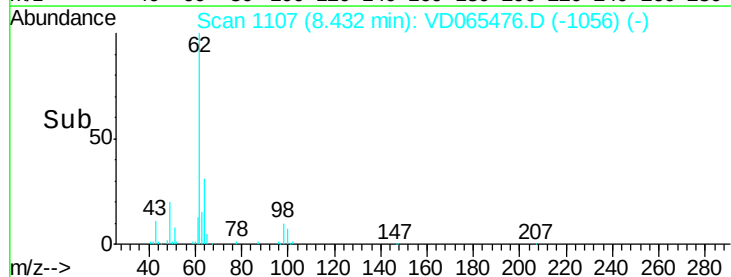
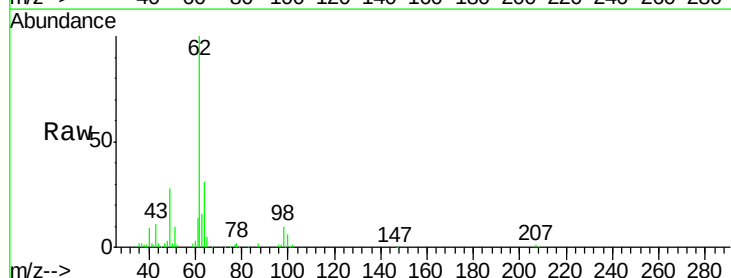
Manual Integrations
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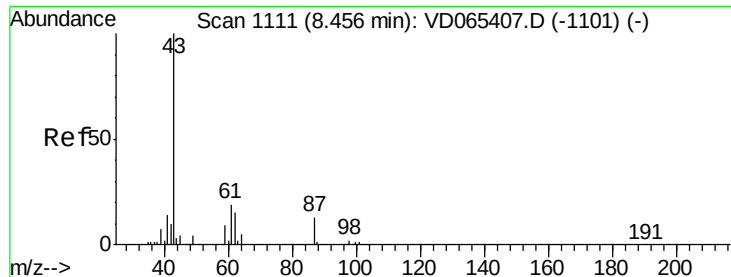
MMDadoda
3/13/2020 9:49:37 AM



#42
1,2-Dichloroethane
Concen: 22.080 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 62 Resp: 107329
Ion Ratio Lower Upper
62 100
98 10.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 21.005 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

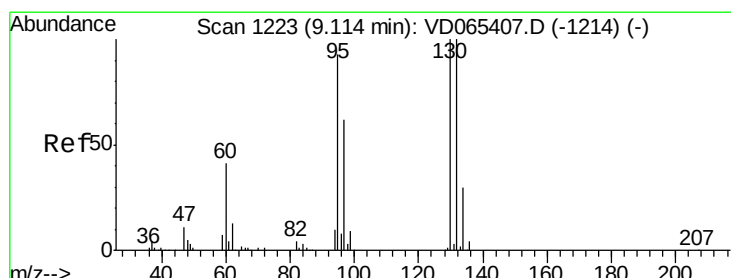
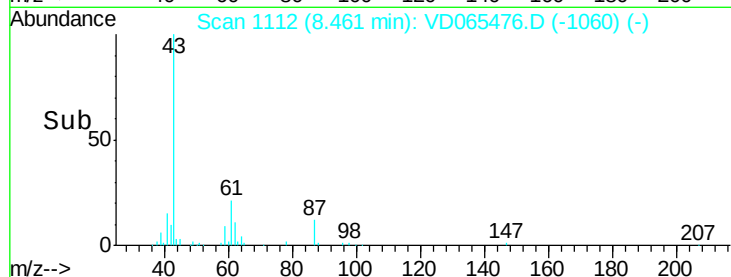
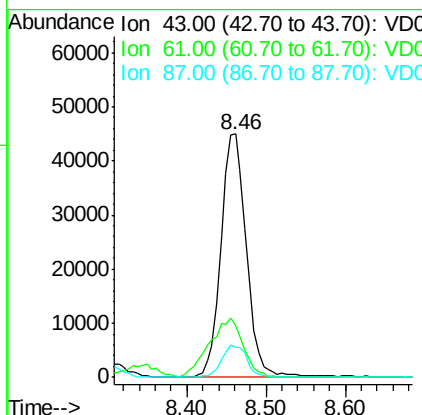
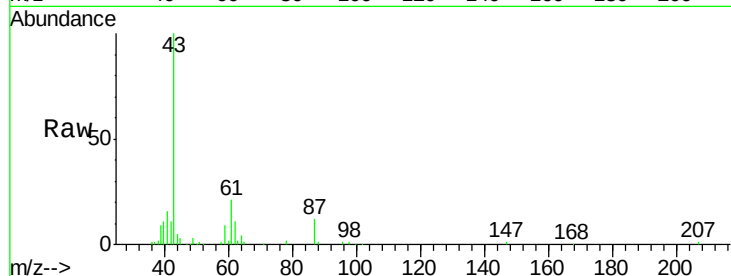
ClientSampleId :

VD0311SBS01

Tot Ion:	43	Resp:	99805
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.0	37.6
87	13.1	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.278 ug/l

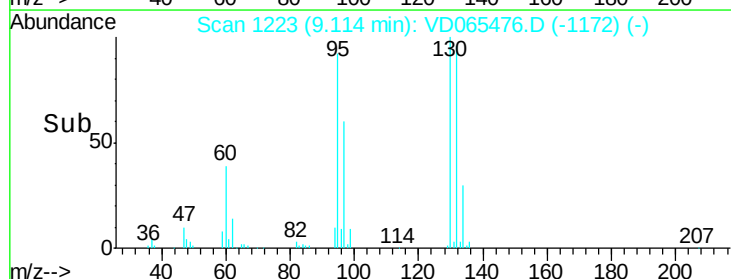
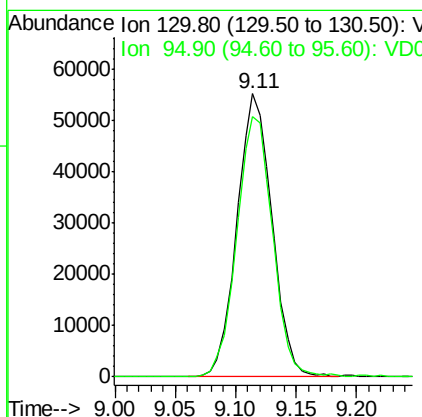
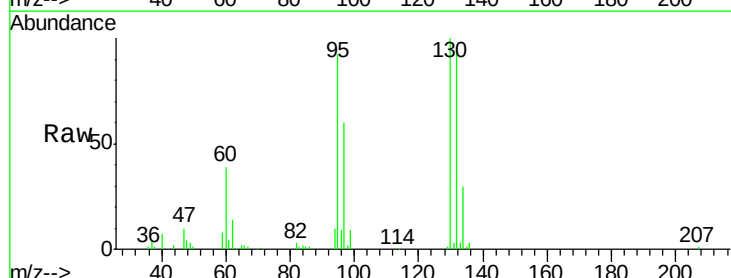
RT: 9.11 min Scan# 1223

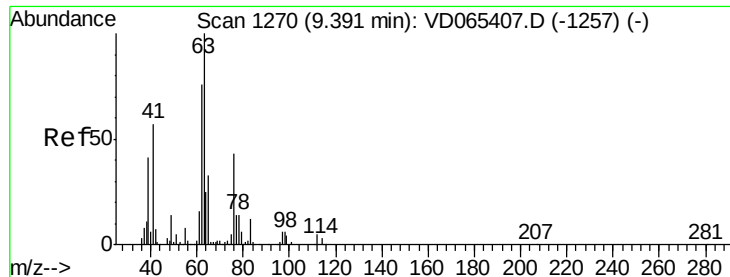
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	130	Resp:	111859
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	186.0





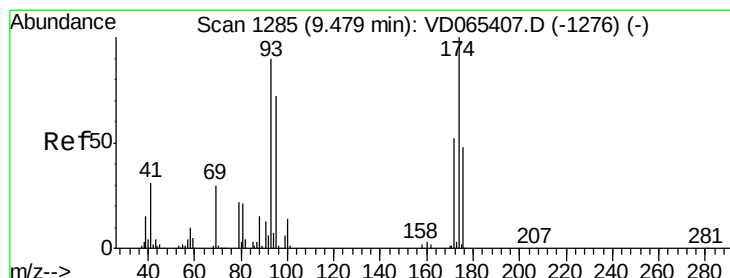
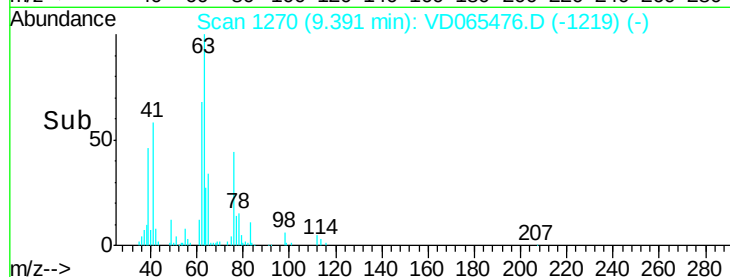
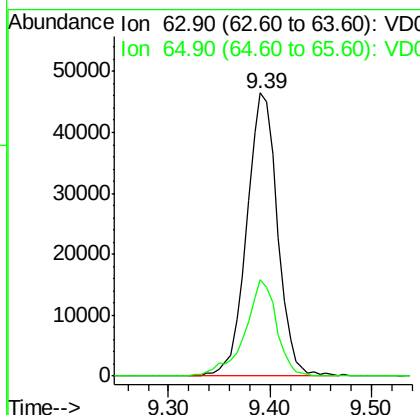
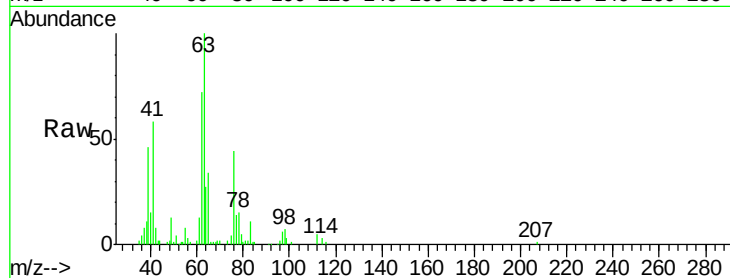
#45
 1,2-Dichloropropane
 Concen: 21.722 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.0	26.4	39.6

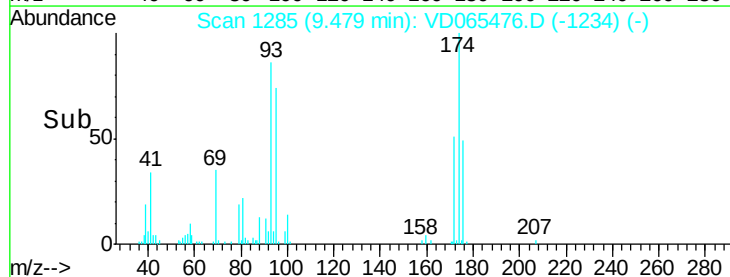
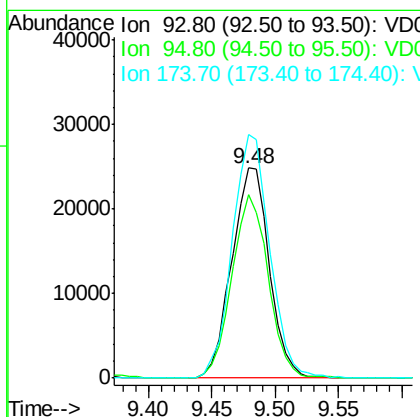
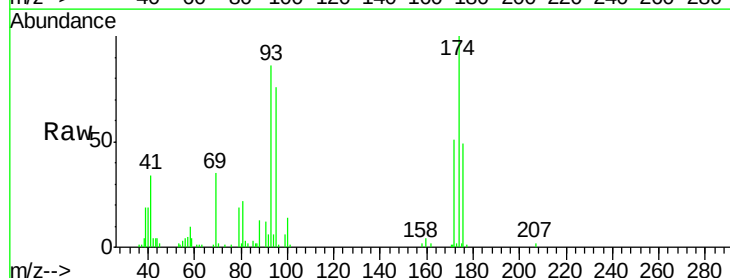
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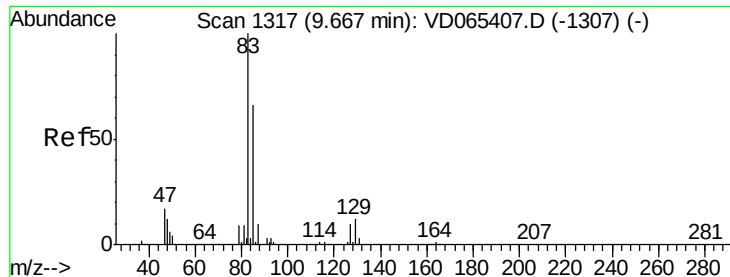
MMDadoda
 3/13/2020 9:49:37 AM



#46
 Dibromomethane
 Concen: 21.803 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	65.0	97.6
174	115.6	88.3	132.5





#47

Bromodichloromethane

Concen: 21.949 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

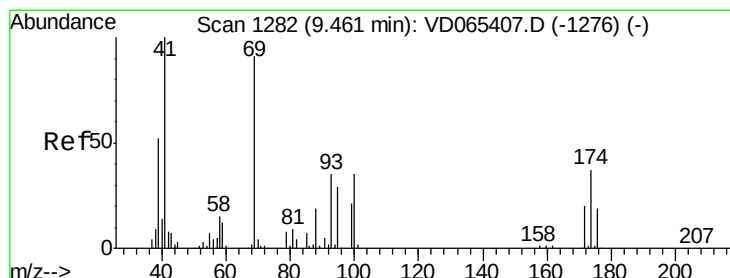
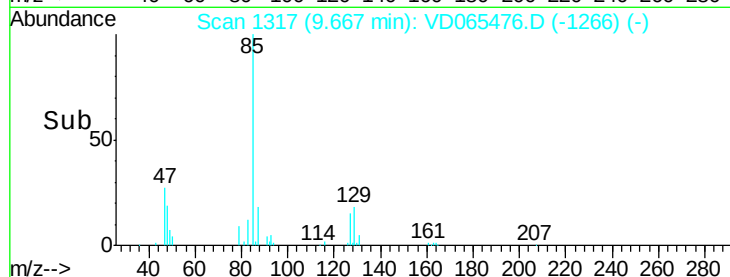
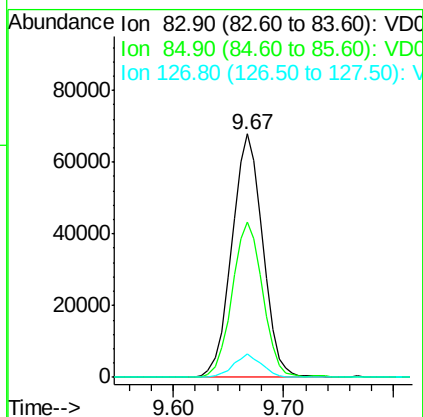
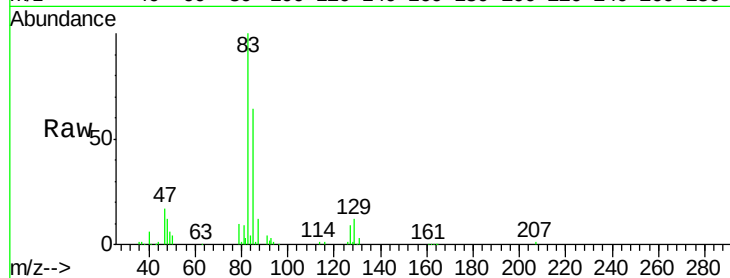
ClientSampleId :

VD0311SBS01

Tot Ion:	83	Resp:	133555
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
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MMDadoda
3/13/2020 9:49:37 AM



#48

Methyl methacrylate

Concen: 19.751 ug/l

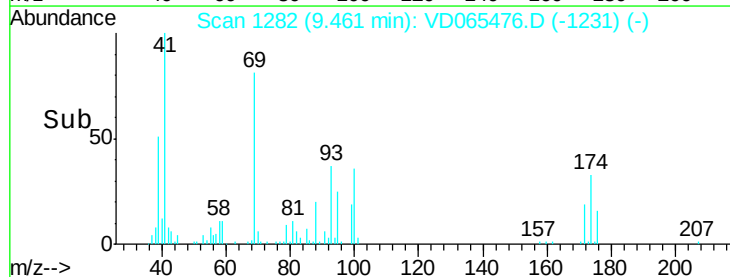
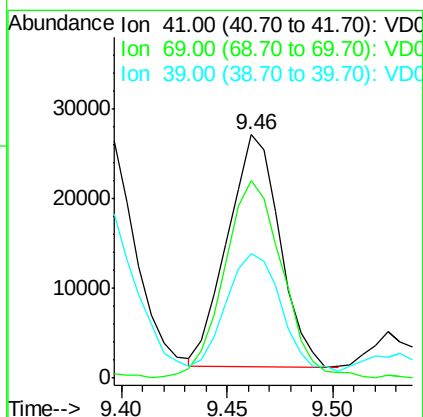
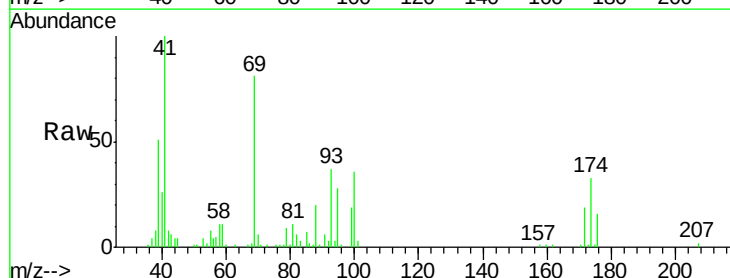
RT: 9.46 min Scan# 1282

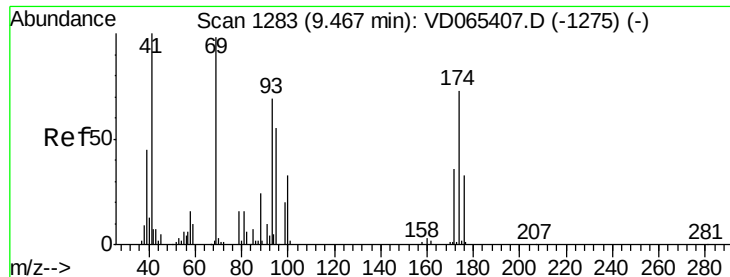
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	41	Resp:	44144
Ion	Ratio	Lower	Upper
41	100		
69	95.1	72.5	108.7
39	59.8	41.6	62.4





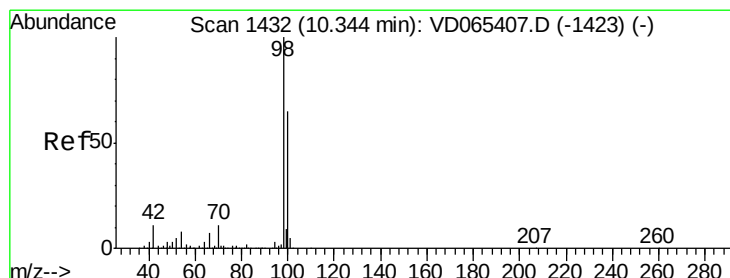
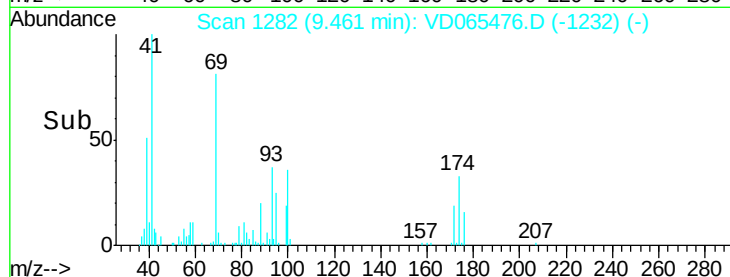
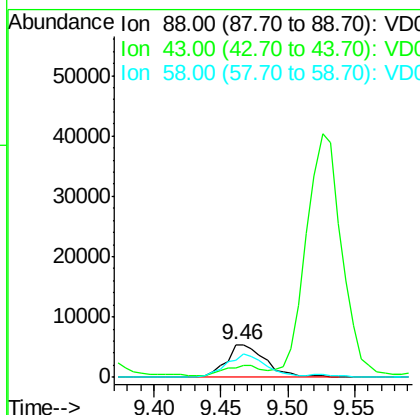
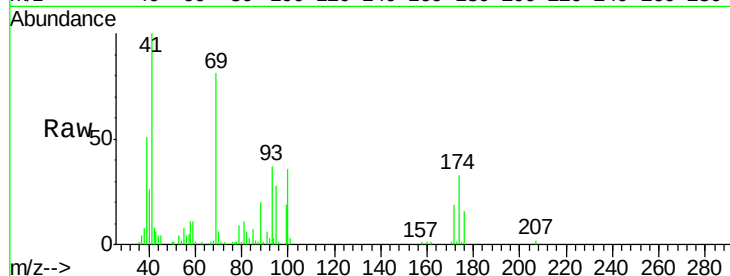
#49
1,4-Dioxane
Concen: 418.629 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.5	36.7
58	71.9	54.5	81.7

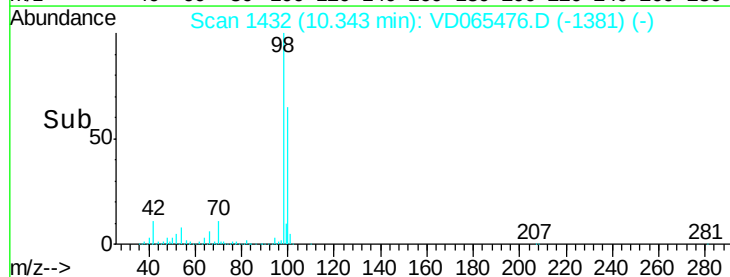
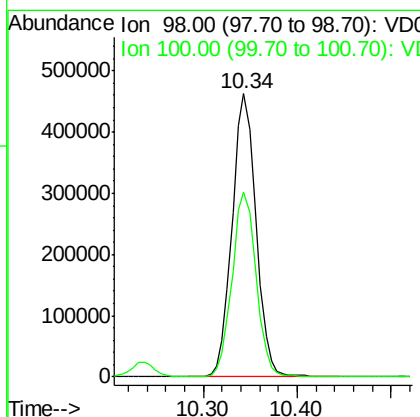
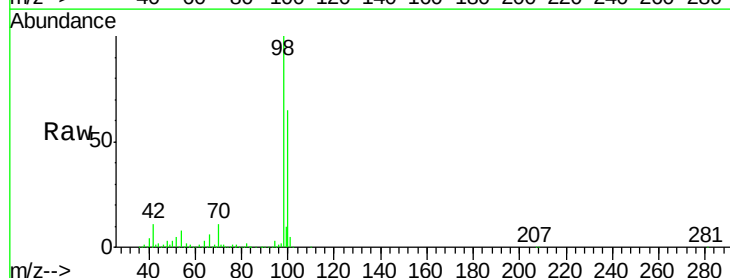
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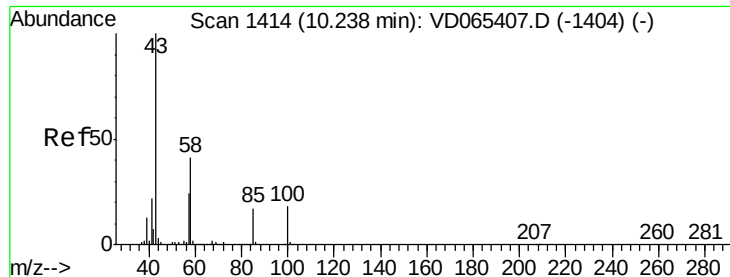
MMDadoda
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#50
Toluene-d8
Concen: 49.828 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





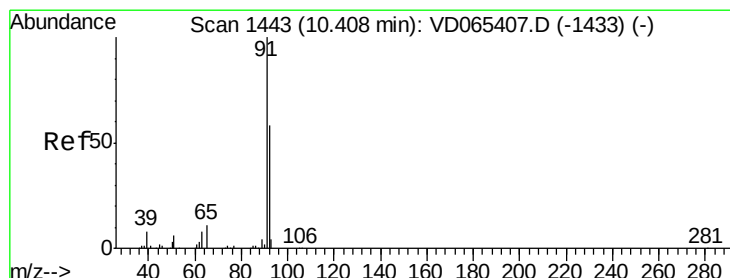
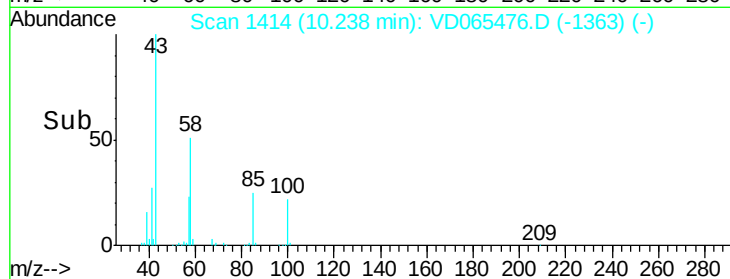
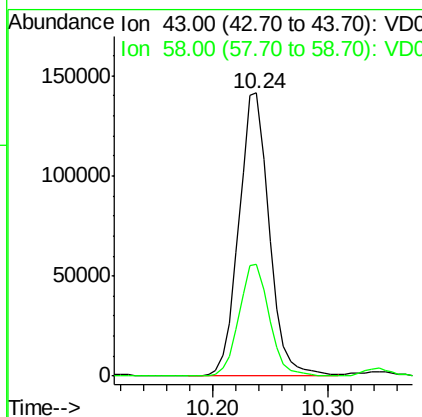
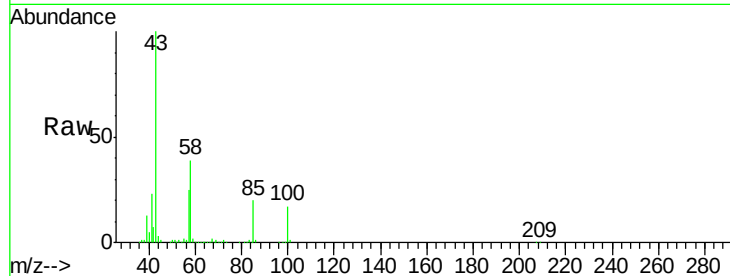
#51
4-Methyl-2-Pentanone
Concen: 108.272 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.8	47.6

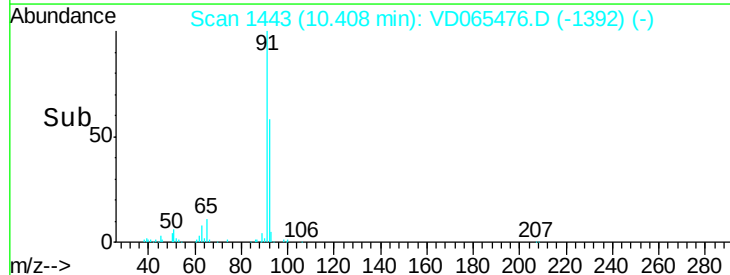
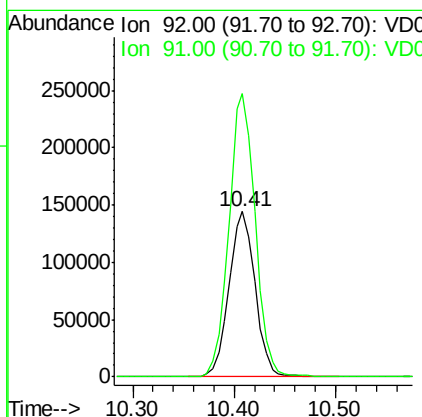
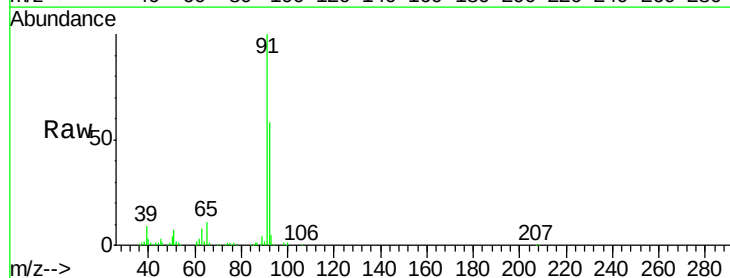
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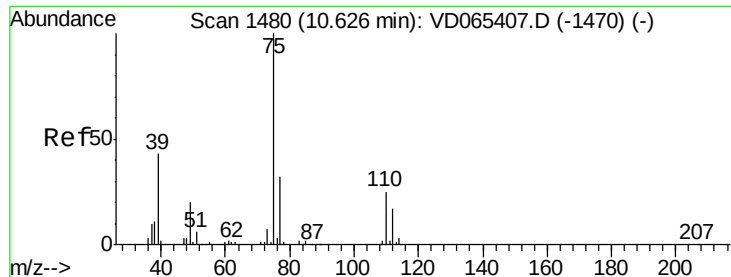
MMDadoda
3/13/2020 9:49:37 AM



#52
Toluene
Concen: 21.961 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8





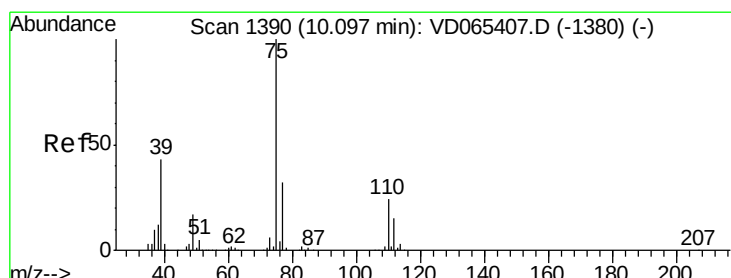
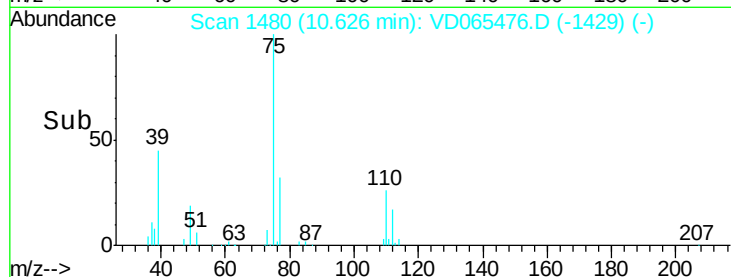
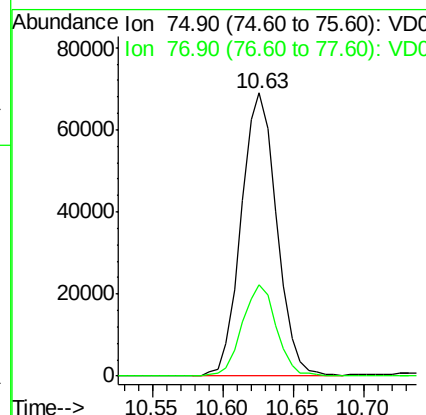
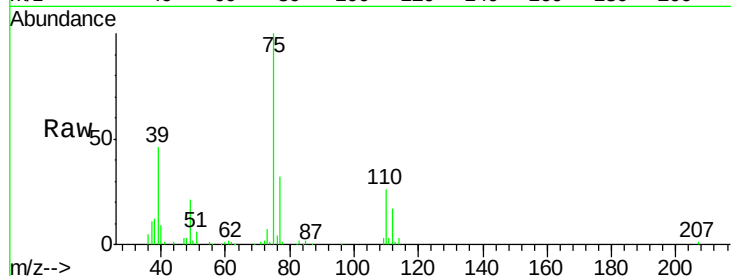
#53
 t-1,3-Dichloropropene
 Concen: 21.361 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

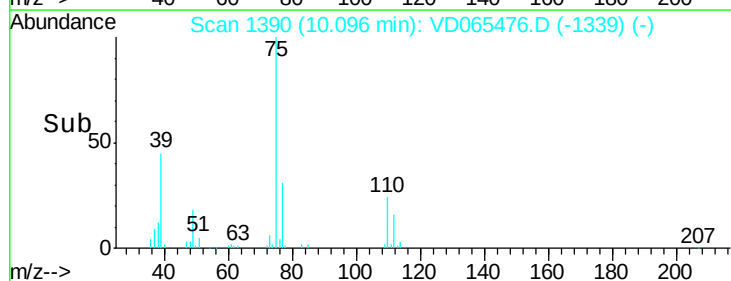
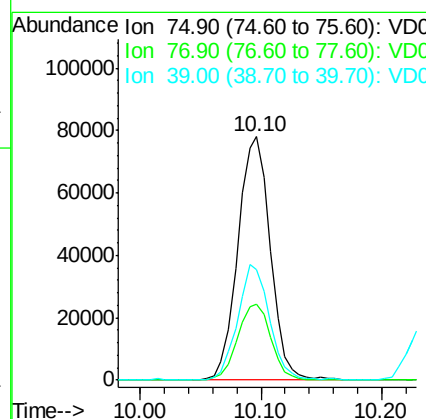
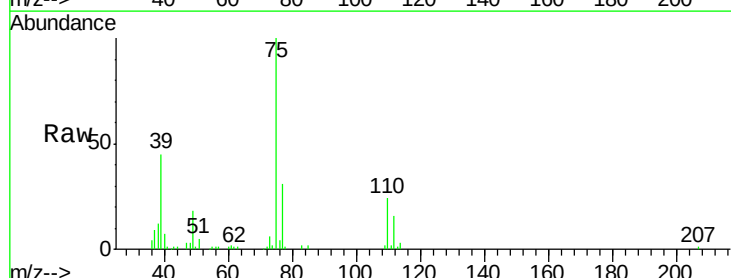
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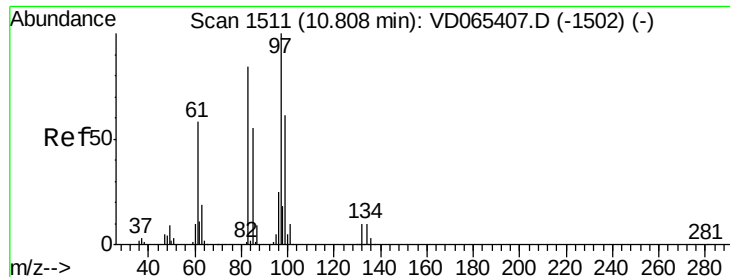
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#54
 cis-1,3-Dichloropropene
 Concen: 21.269 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.3	37.9
39	44.9	34.6	52.0





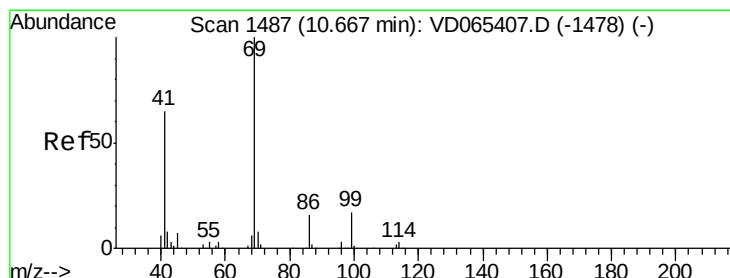
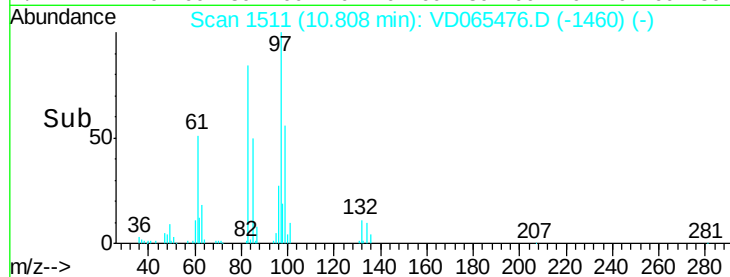
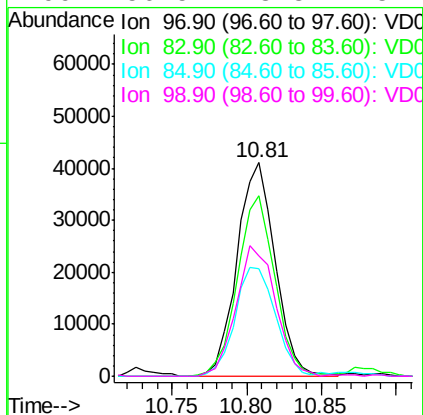
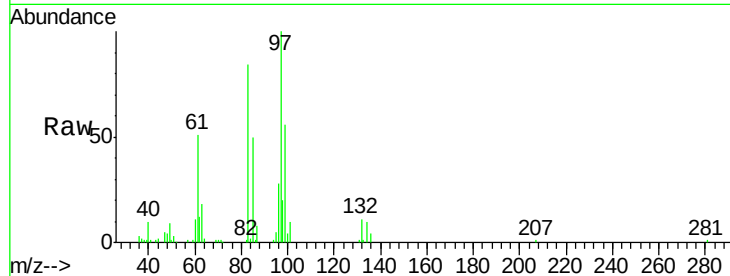
#55
 1,1,2-Trichloroethane
 Concen: 21.955 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.0
85	50.5	43.8	65.8
99	56.5	48.8	73.2

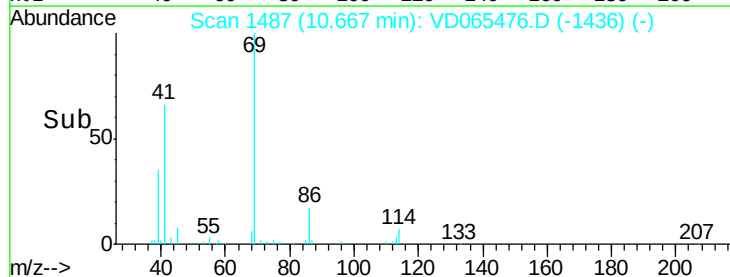
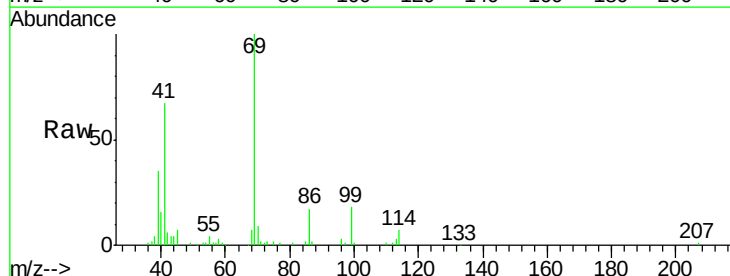
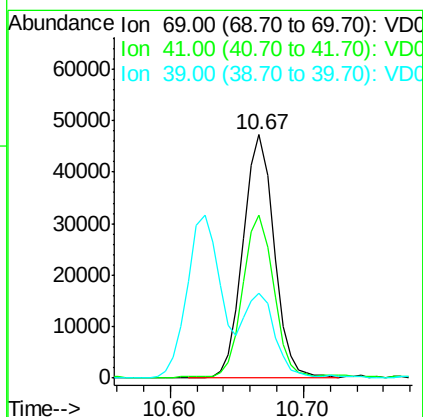
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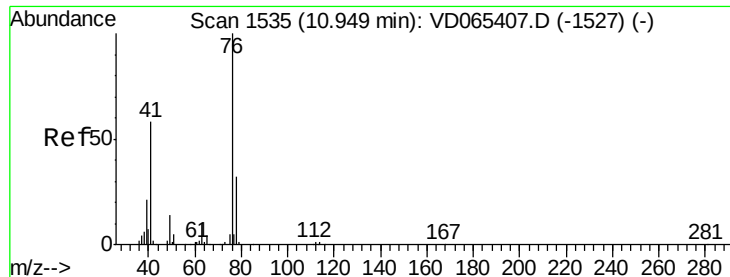
MMDadoda
 3/13/2020 9:49:37 AM



#56
 Ethyl methacrylate
 Concen: 20.440 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	53.0	79.6
39	32.7	26.0	39.0





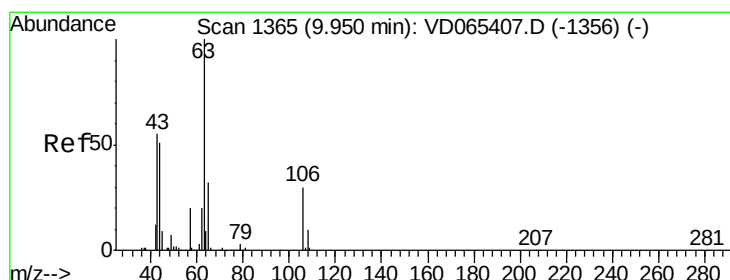
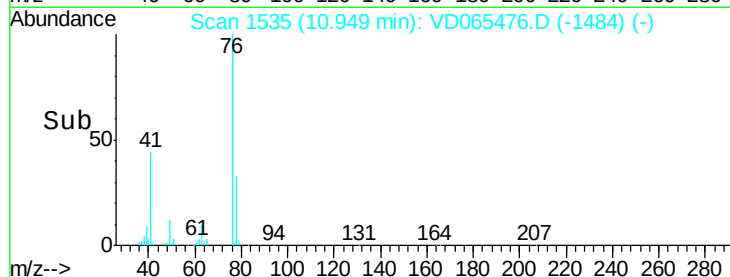
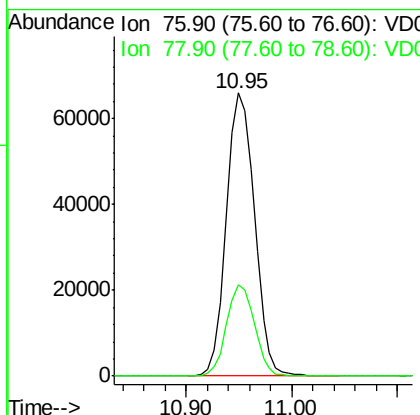
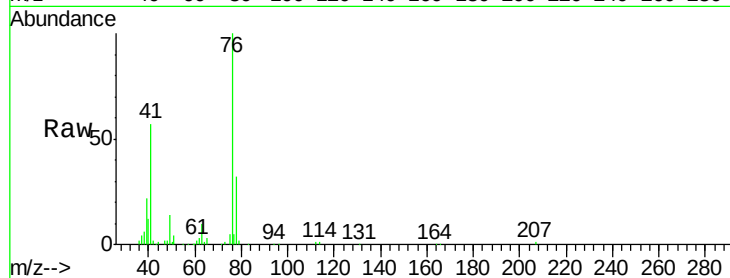
#57
 1,3-Dichloropropane
 Concen: 21.773 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

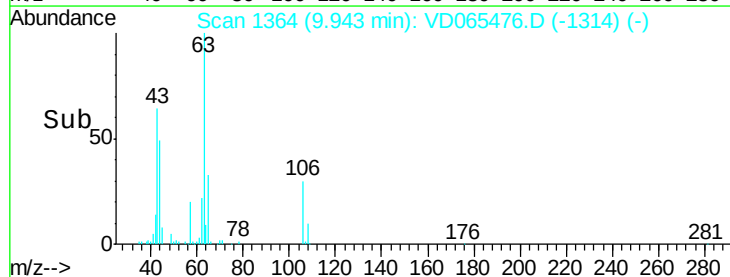
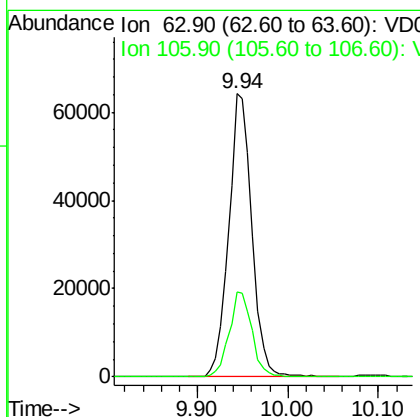
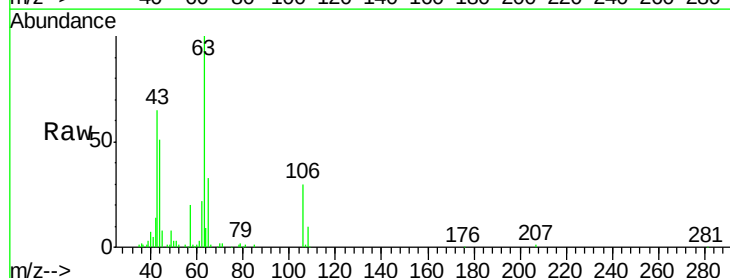
Manual Integrations
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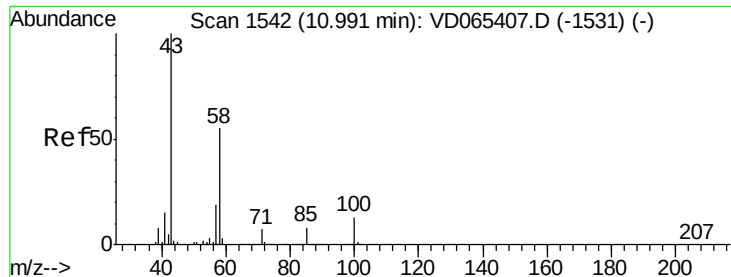
MMDadoda
 3/13/2020 9:49:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.227 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.3	34.9





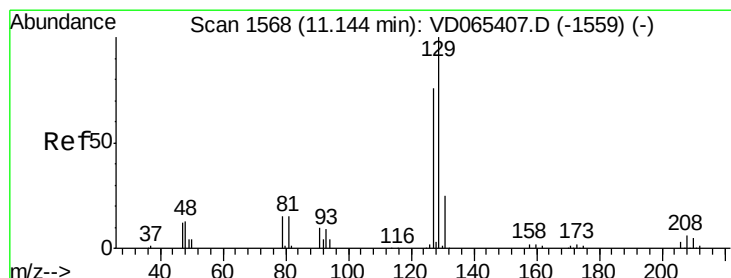
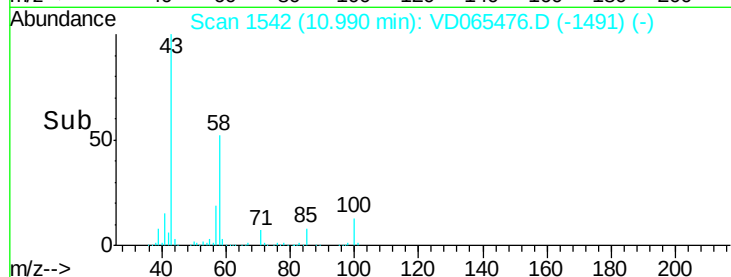
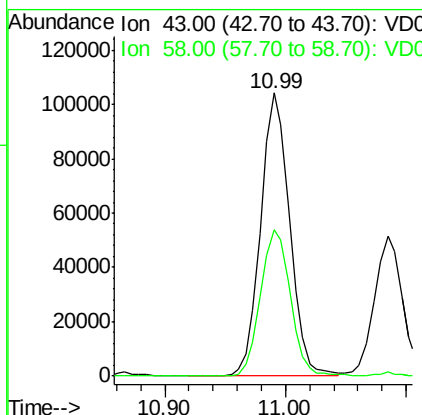
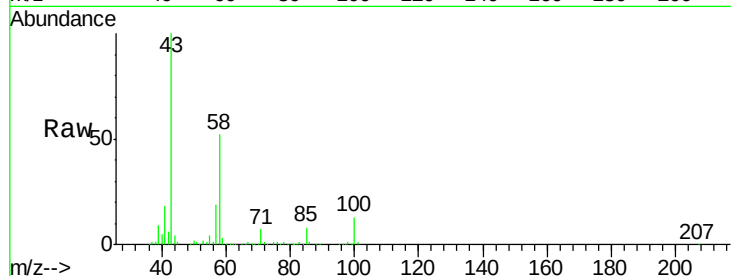
#59
2-Hexanone
Concen: 104.857 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion: 43 Resp: 173560
Ion Ratio Lower Upper
43 100
58 53.3 27.4 82.2

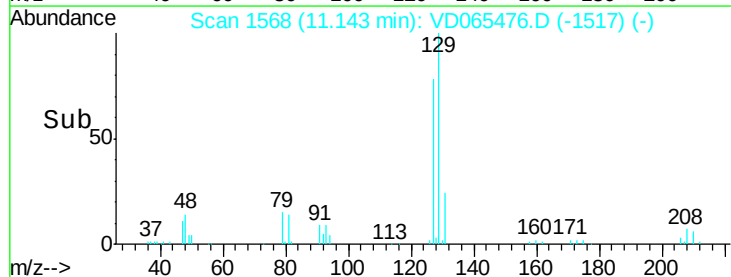
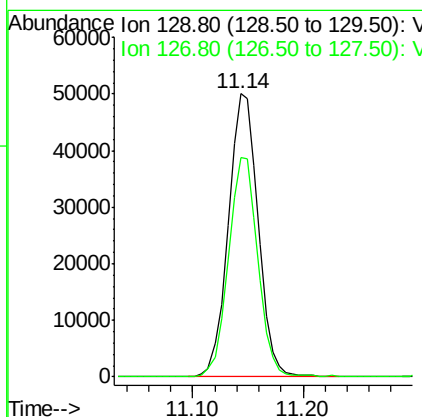
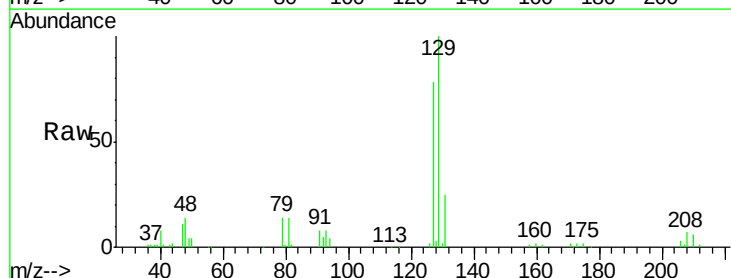
Manual Integrations
APPROVED

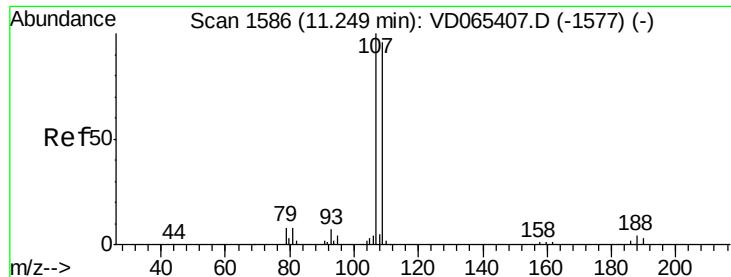
MMDadoda
3/13/2020 9:49:37 AM



#60
Dibromochloromethane
Concen: 22.305 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion: 129 Resp: 94716
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





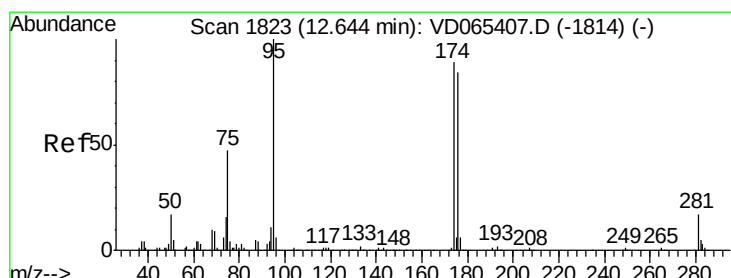
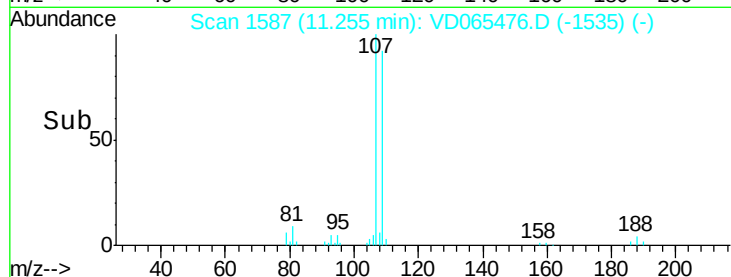
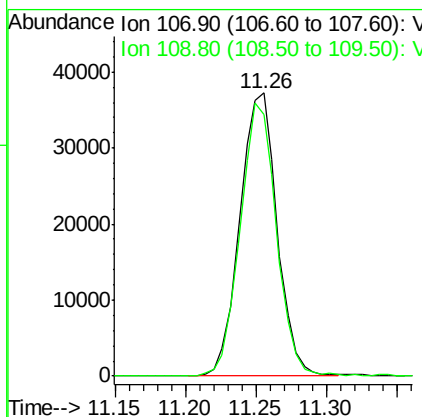
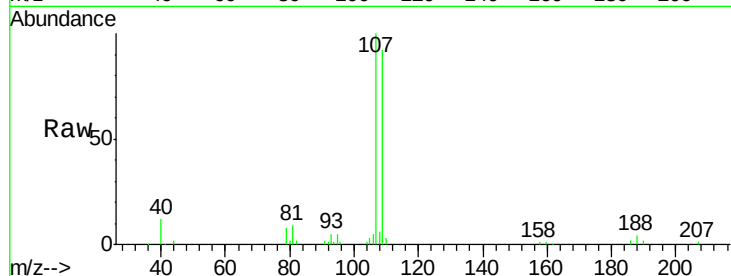
#61
 1,2-Dibromoethane
 Concen: 21.778 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.8	115.2

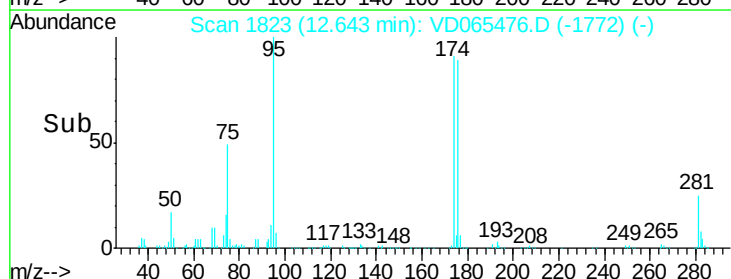
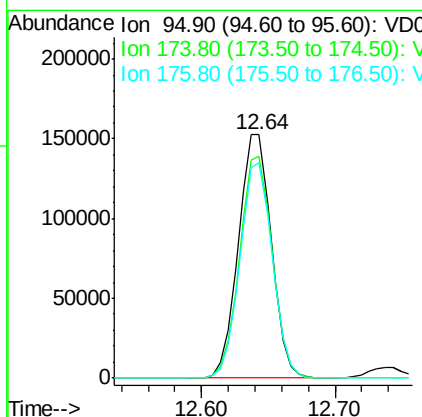
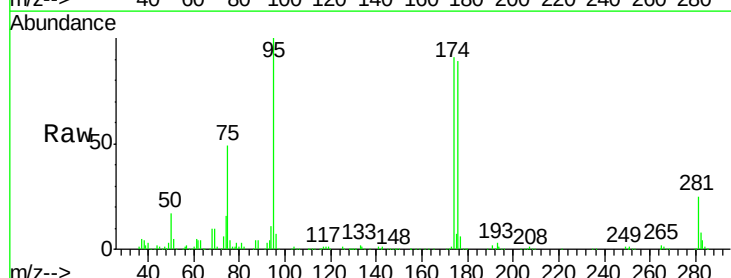
Manual Integrations
 APPROVED

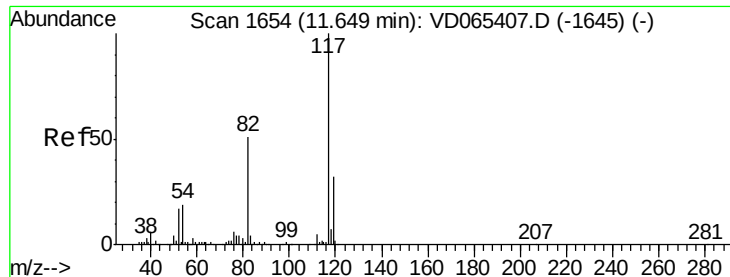
MMDadoda
 3/13/2020 9:49:37 AM



#62
 4-Bromofluorobenzene
 Concen: 51.147 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	176.8
176	86.8	0.0	171.4





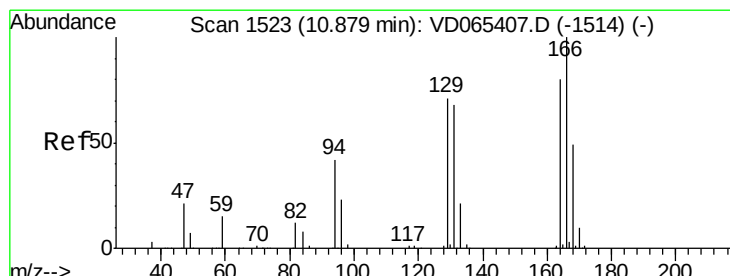
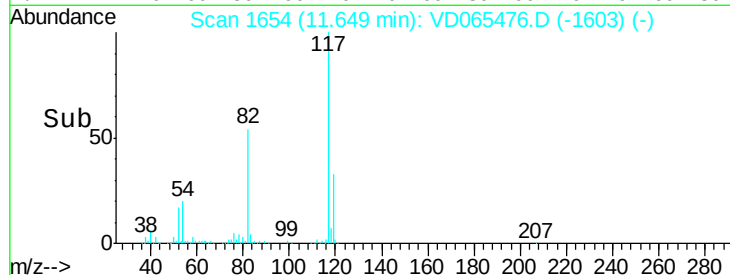
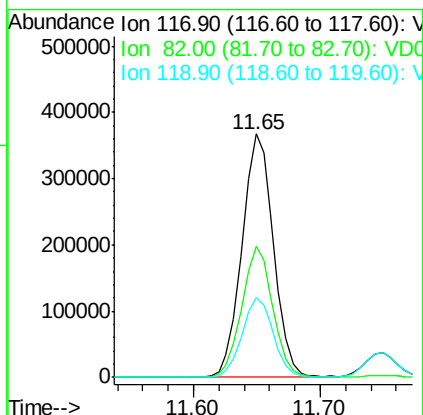
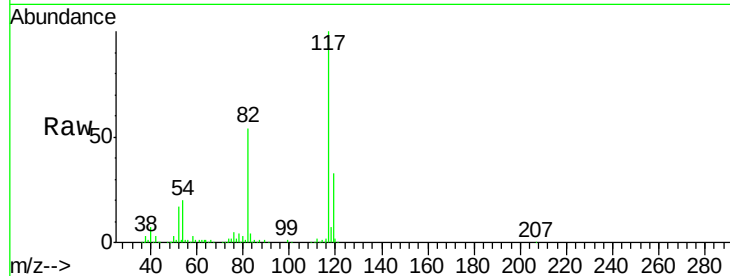
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	40.6	60.8
119	32.7	25.4	38.2

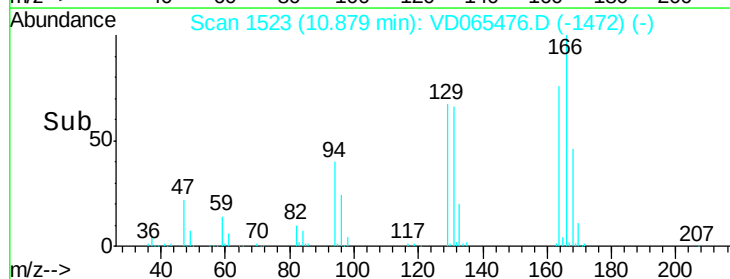
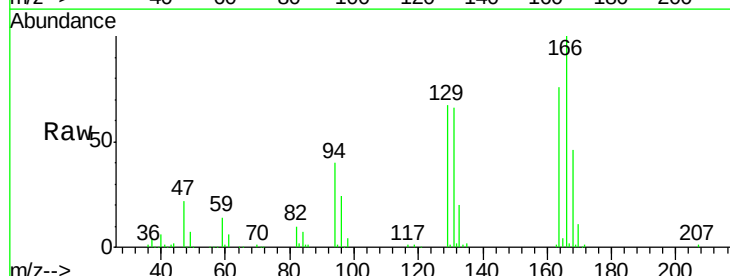
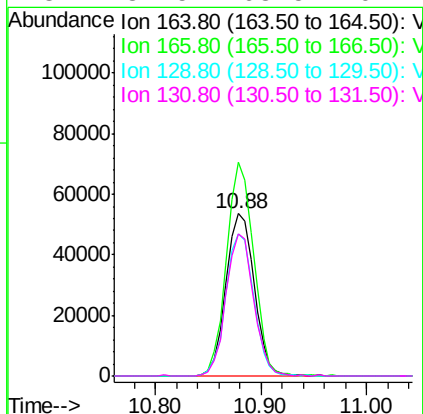
Manual Integrations
APPROVED

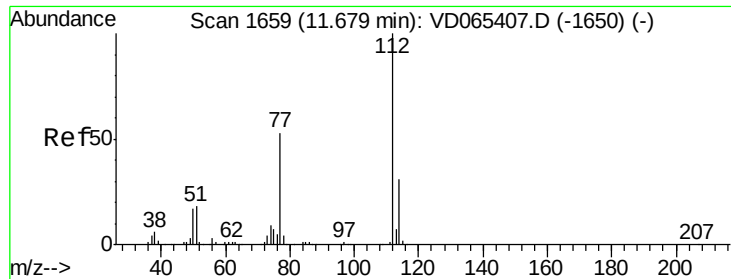
MMDadoda
3/13/2020 9:49:37 AM



#64
Tetrachloroethene
Concen: 21.964 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	100.5	150.7
129	87.9	71.5	107.3
131	87.5	68.5	102.7





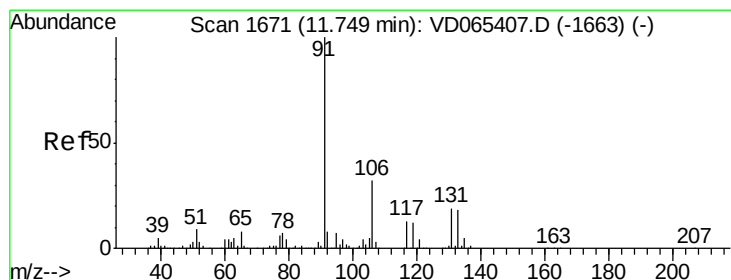
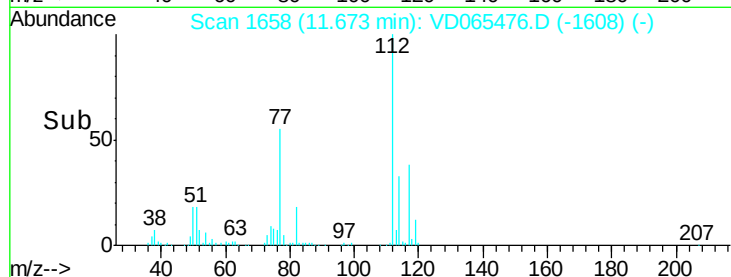
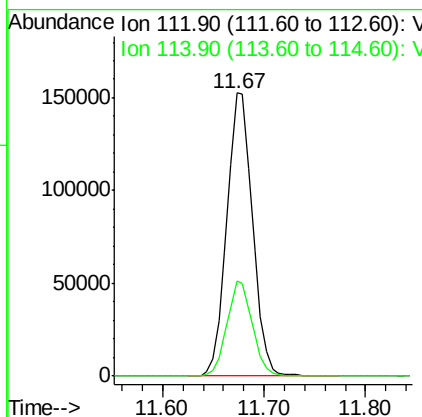
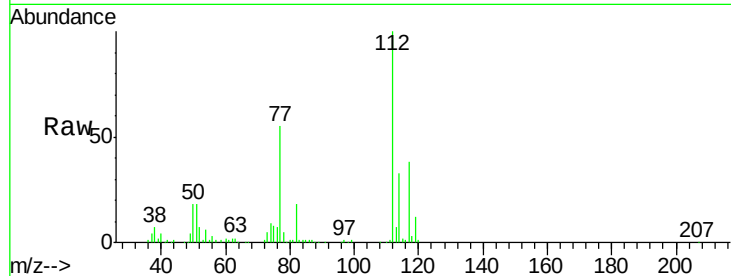
#65
Chlorobenzene
Concen: 21.501 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	268954		
114	33.5	24.4	36.6	

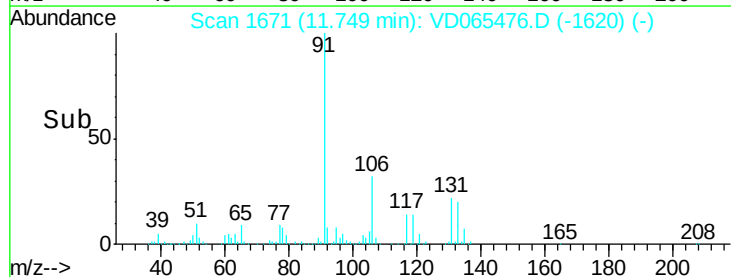
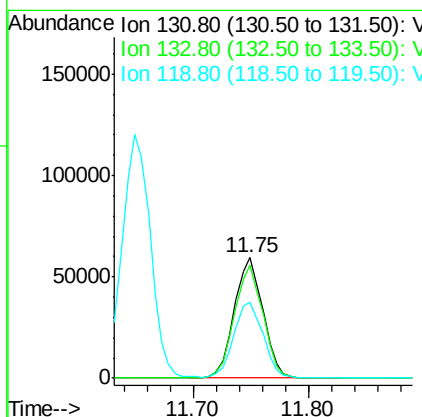
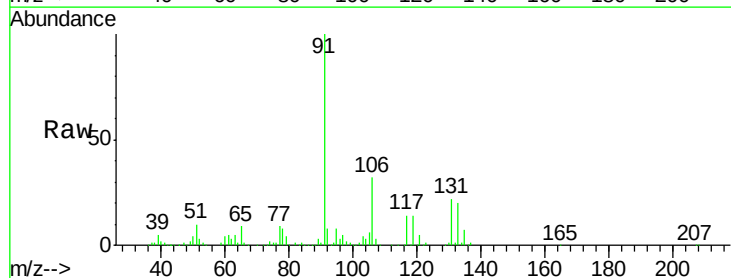
Manual Integrations
APPROVED

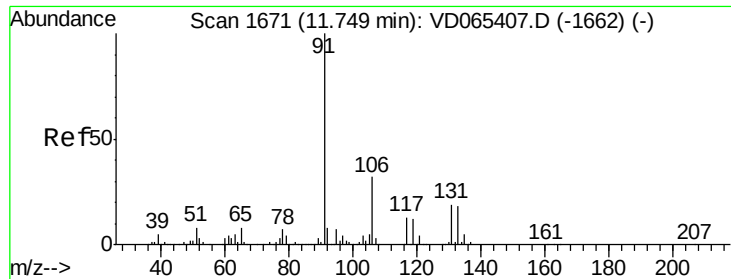
MMDadoda
3/13/2020 9:49:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.522 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	102604		
133	93.3	49.2	147.6	
119	64.6	33.3	99.8	





#67

Ethyl Benzene

Concen: 21.349 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 91 Resp: 461449

Ion Ratio Lower Upper

91 100

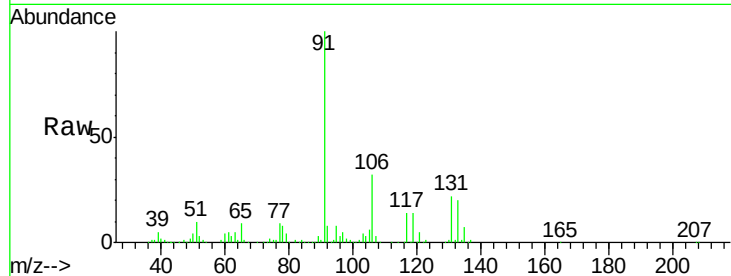
106 31.8 25.2 37.8

Manual Integrations

APPROVED

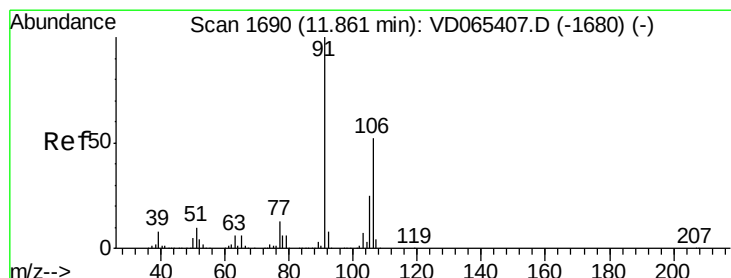
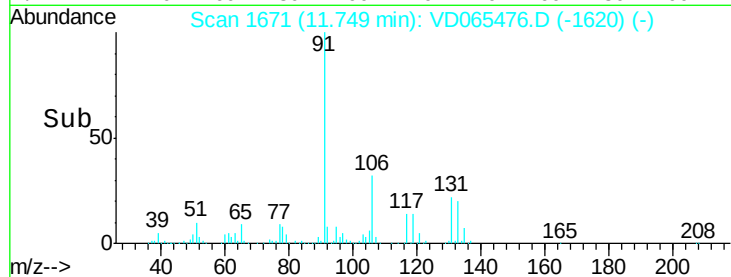
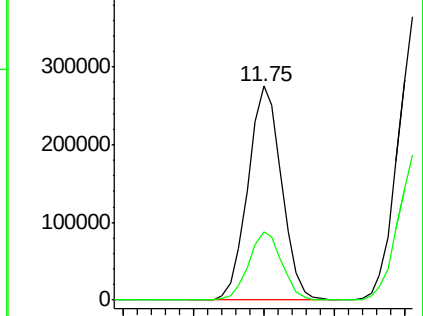
MMDadoda

3/13/2020 9:49:37 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.317 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065476.D

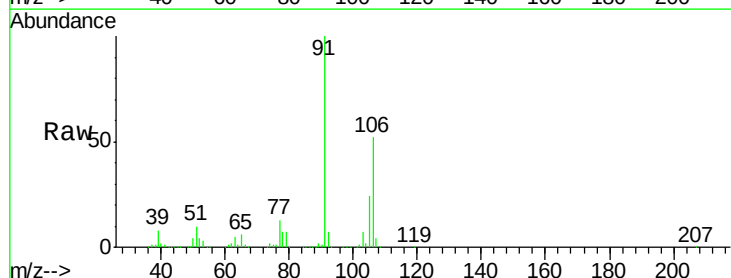
Acq: 11 Mar 2020 12:37

Tgt Ion: 106 Resp: 369341

Ion Ratio Lower Upper

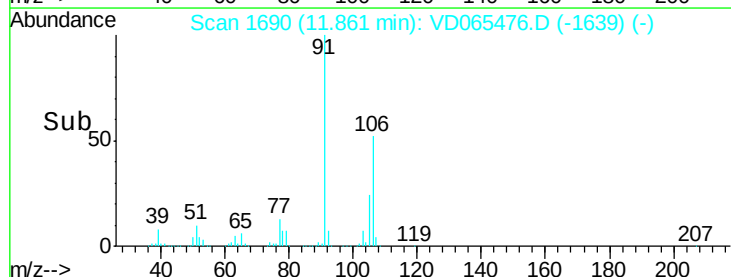
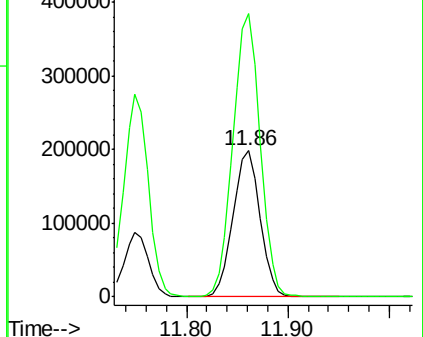
106 100

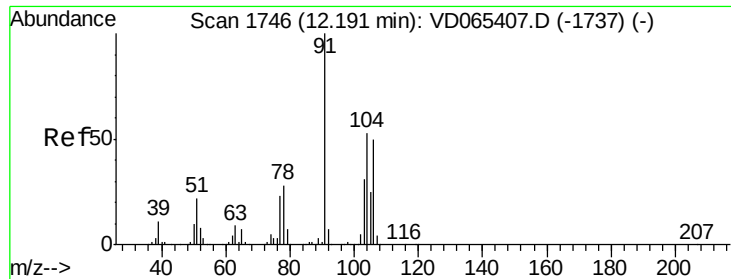
91 195.0 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





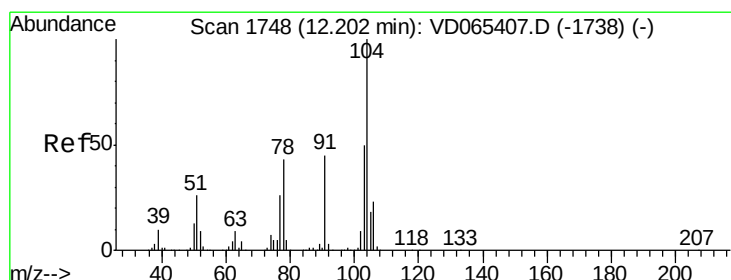
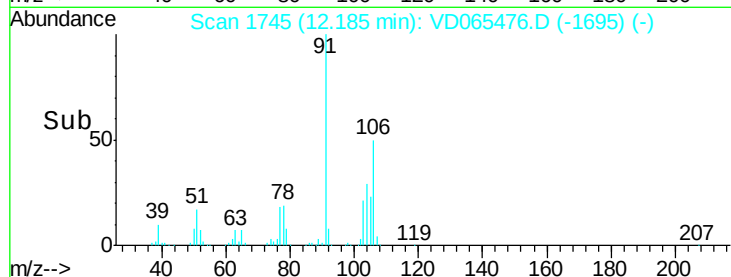
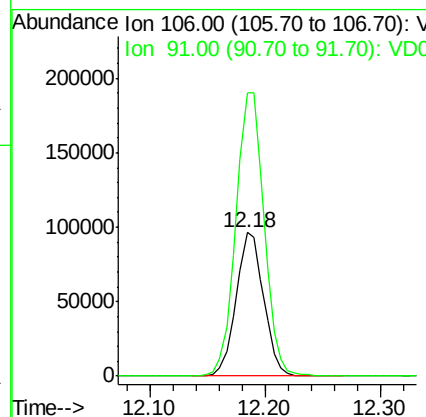
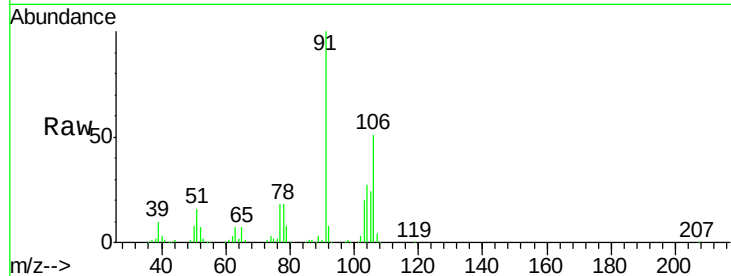
#69
o-Xylene
Concen: 21.698 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	159071		
91	203.0		103.5	310.3

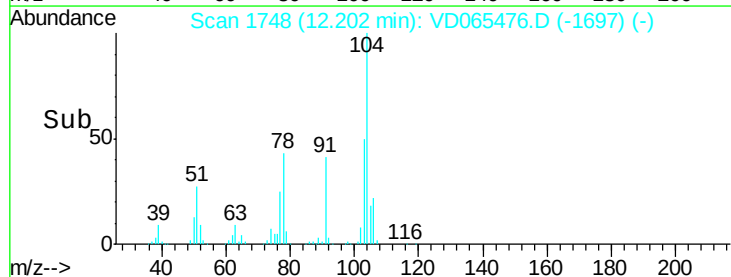
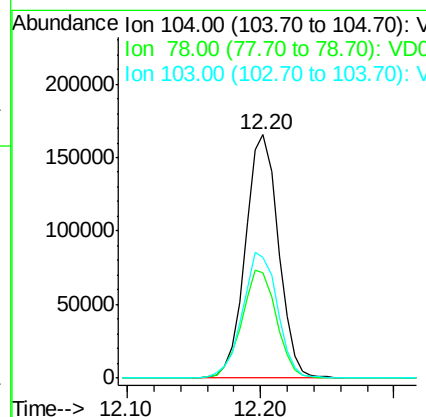
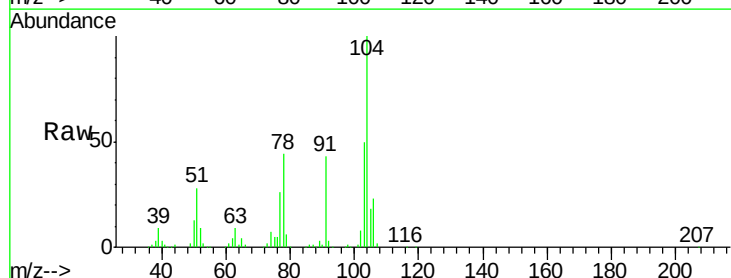
Manual Integrations
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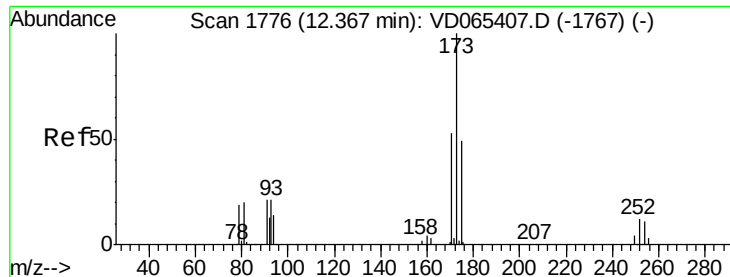
MMDadoda
3/13/2020 9:49:37 AM



#70
Styrene
Concen: 21.896 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	282512		
78	46.9		37.7	56.5
103	54.6		43.6	65.4





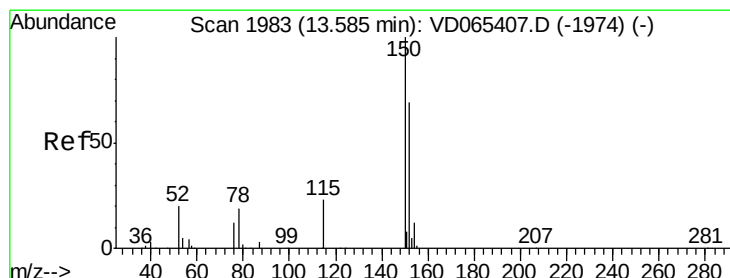
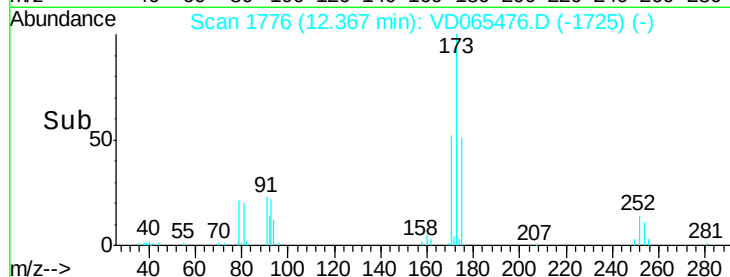
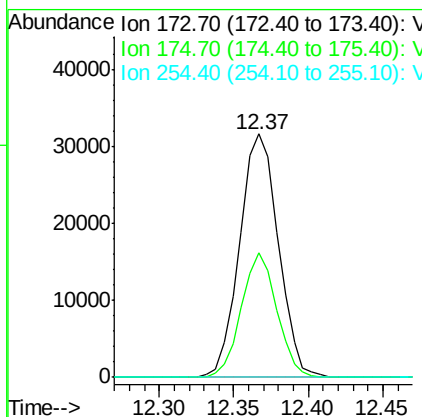
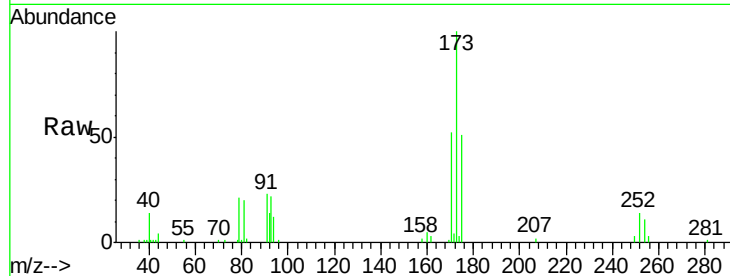
#71
Bromoform
Concen: 22.171 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.3	73.0
254	0.0	0.1	0.1#

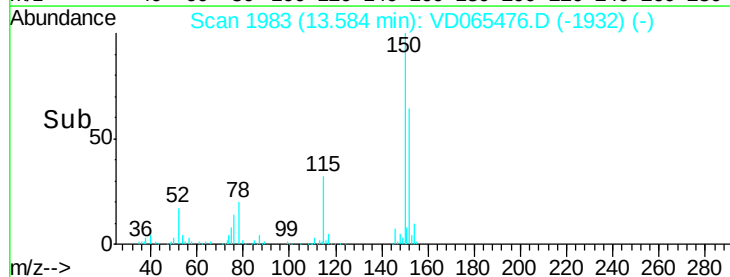
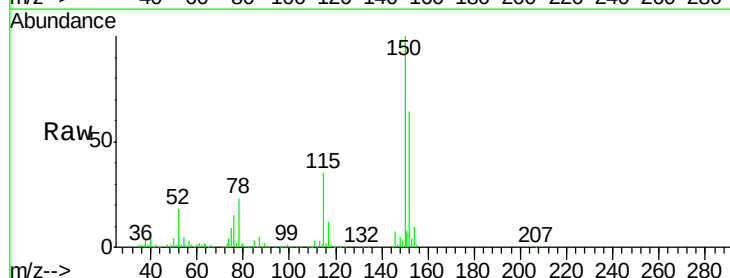
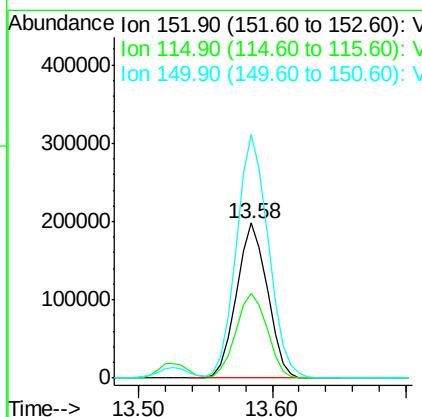
Manual Integrations
APPROVED

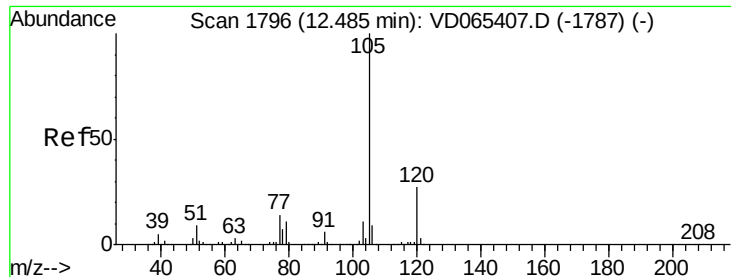
MMDadoda
3/13/2020 9:49:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.6	82.8
150	162.7	0.0	345.0





#73

Isopropylbenzene

Concen: 20.949 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:105 Resp: 436289

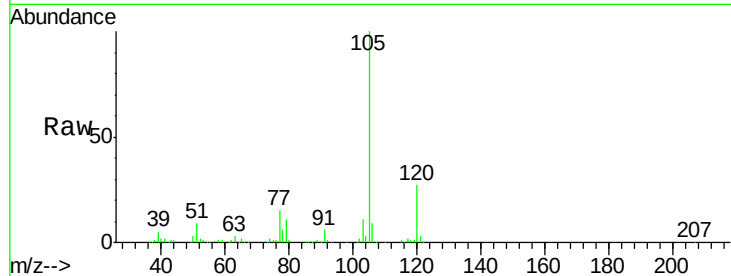
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

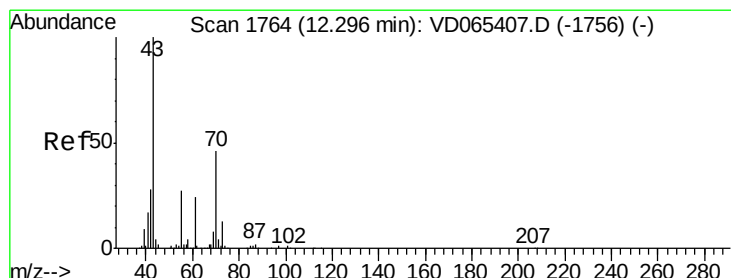
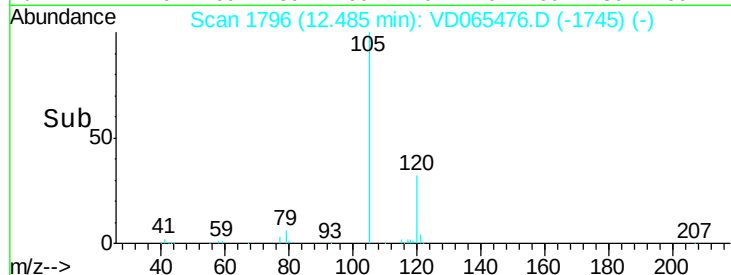
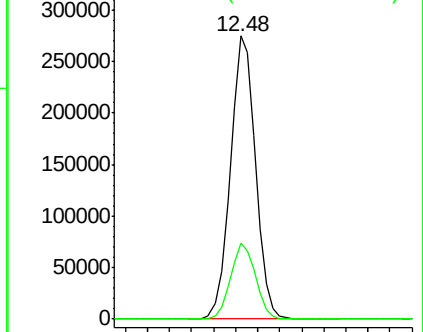
Manual Integrations
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3/13/2020 9:49:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.157 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion: 43 Resp: 85942

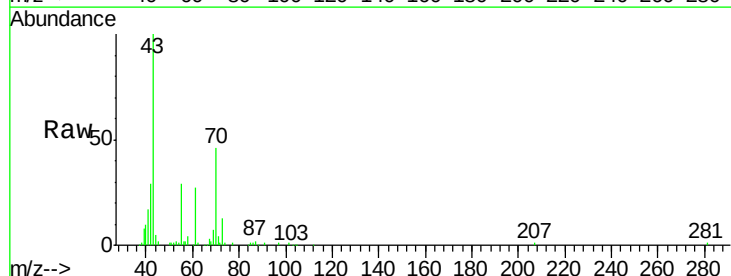
Ion Ratio Lower Upper

43 100

70 45.5 36.1 54.1

55 29.1 21.6 32.4

61 24.7 19.6 29.4

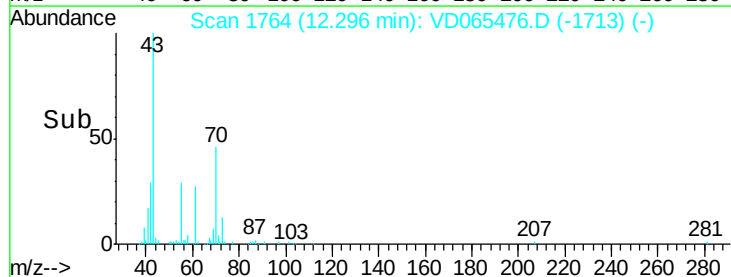
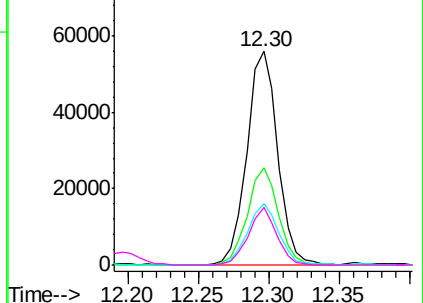


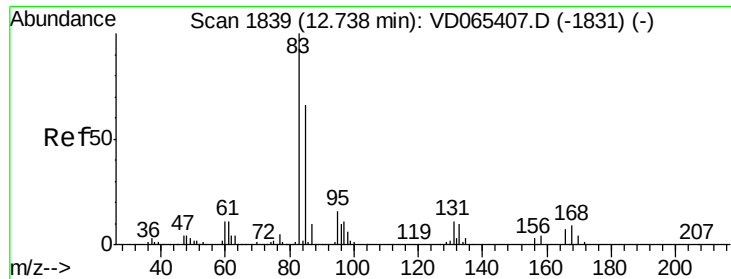
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.019 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

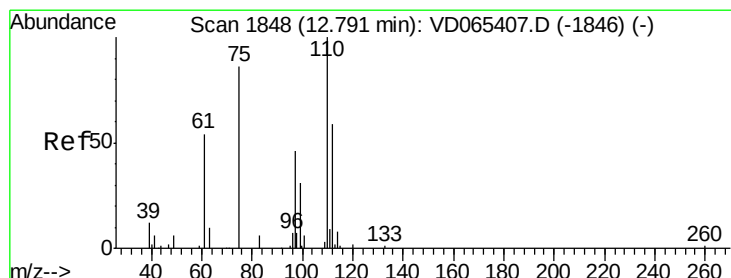
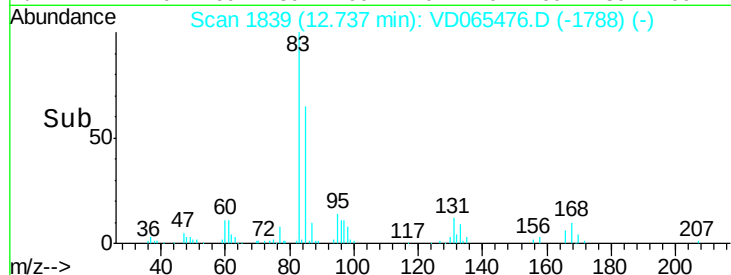
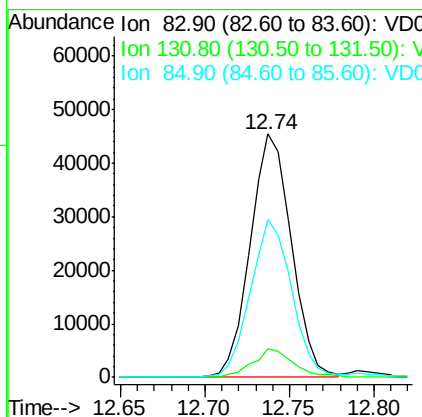
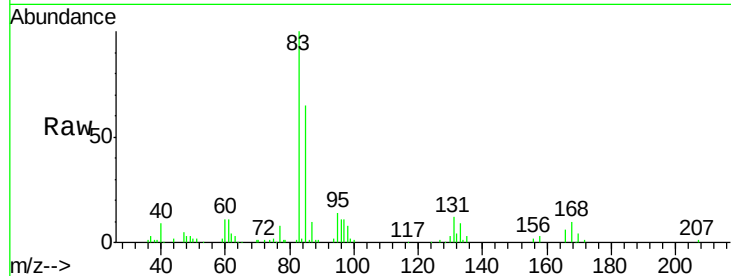
ClientSampleId :

VD0311SBS01

Tot Ion:	83	Resp:	76944
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.4	16.2
85	64.7	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:37 AM



#76

1,2,3-Trichloropropane

Concen: 21.253 ug/l m

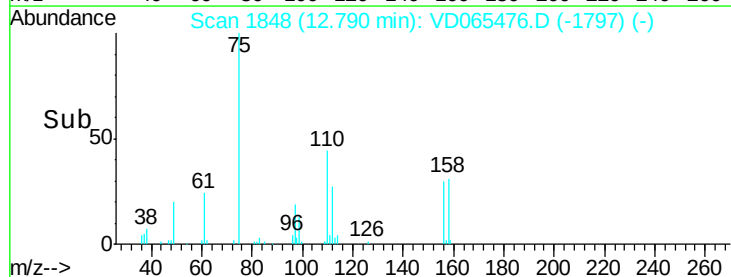
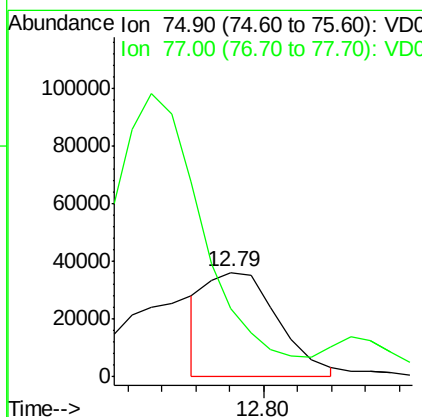
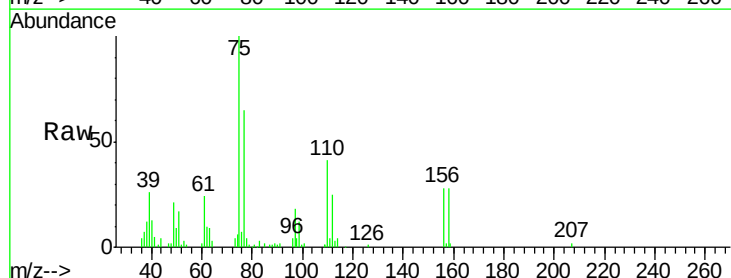
RT: 12.79 min Scan# 1848

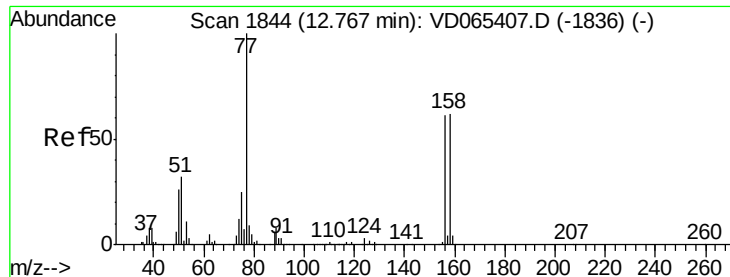
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	75	Resp:	53098
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





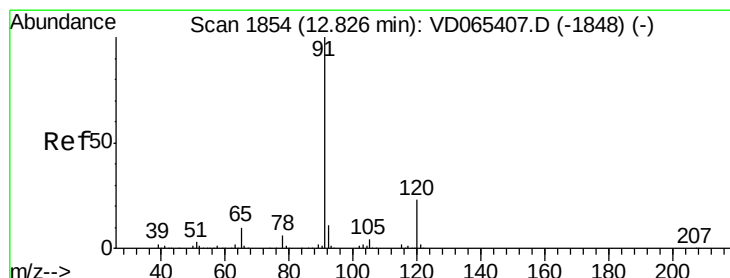
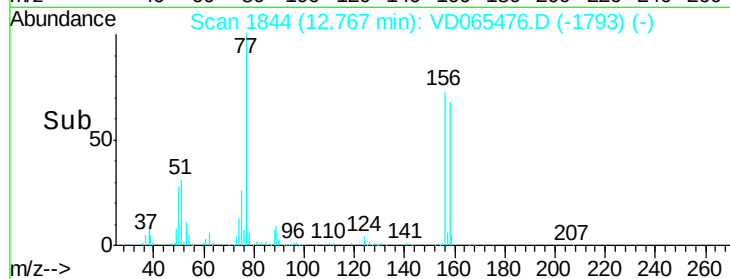
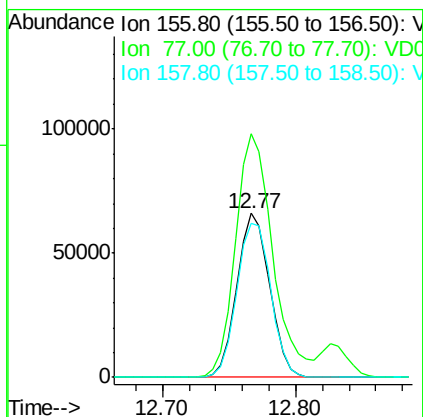
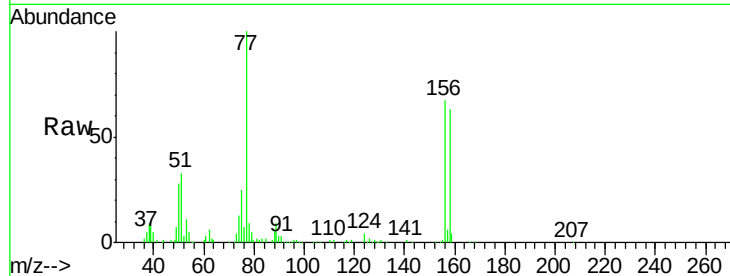
#77
Bromobenzene
Concen: 21.704 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.8	84.9	254.6
158	97.3	49.0	147.2

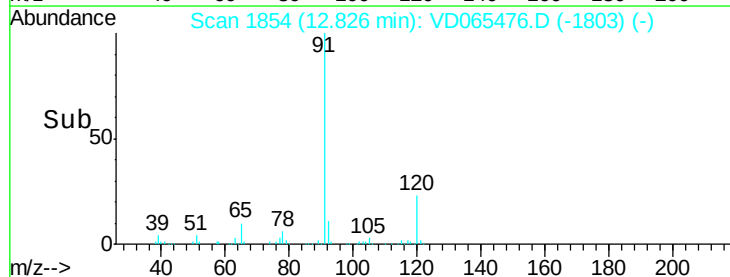
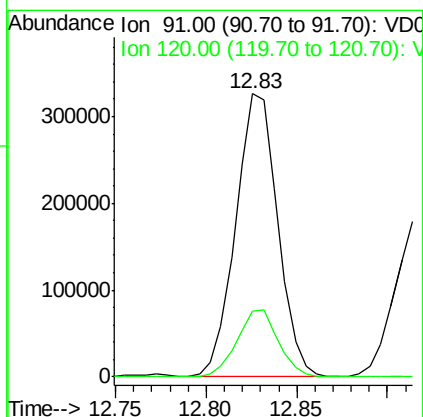
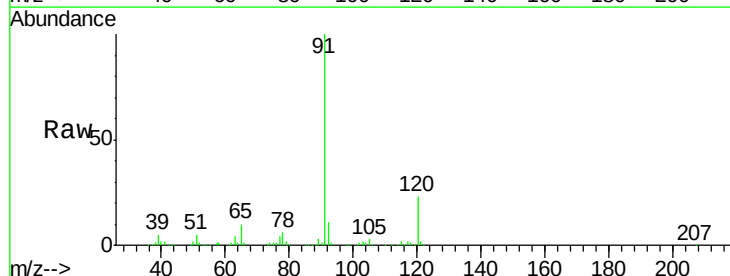
Manual Integrations
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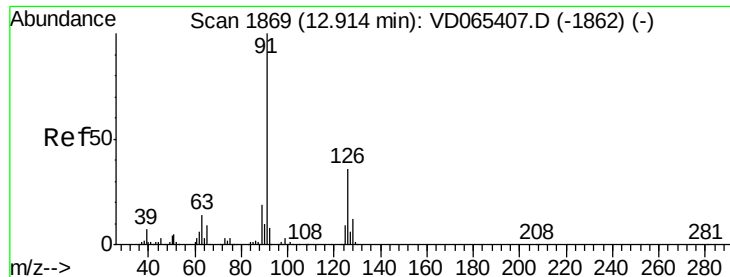
MMDadoda
3/13/2020 9:49:37 AM



#78
n-propylbenzene
Concen: 21.203 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5





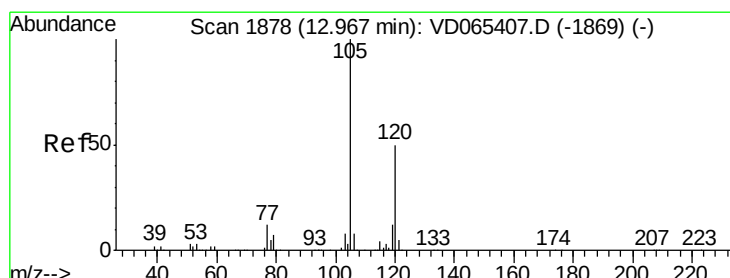
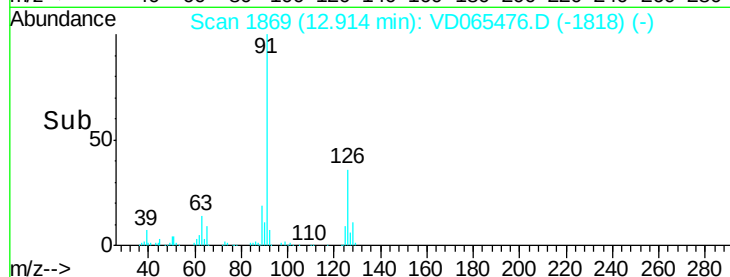
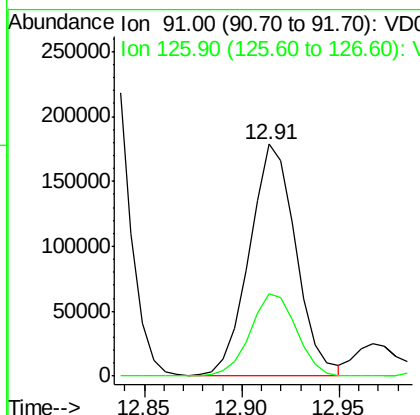
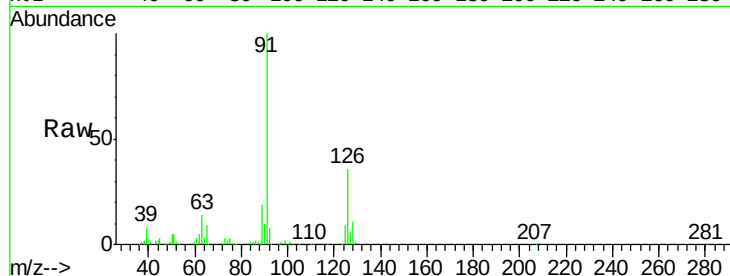
#79
 2-Chlorotoluene
 Concen: 21.107 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.8

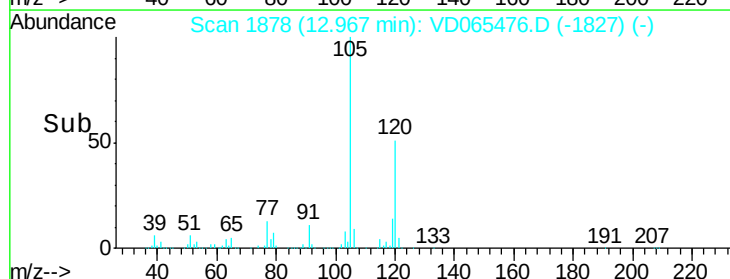
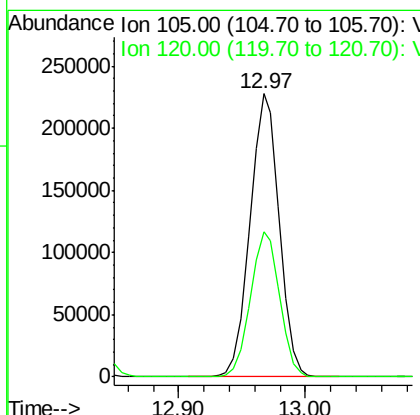
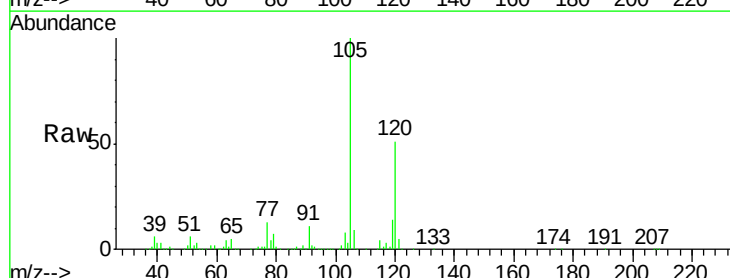
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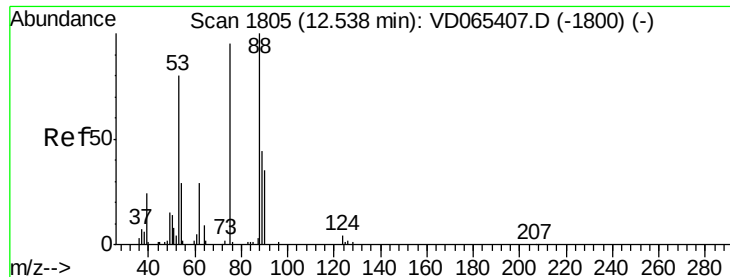
MMDadoda
 3/13/2020 9:49:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.278 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.602 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Instrument :

MSVOA_D

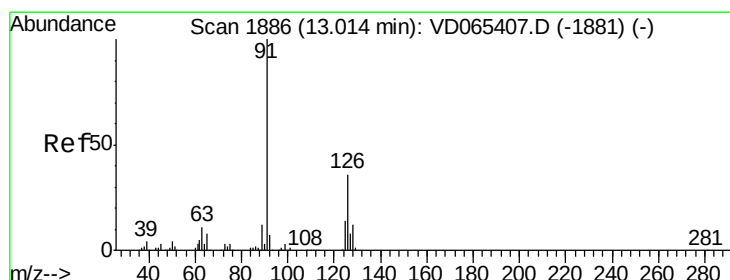
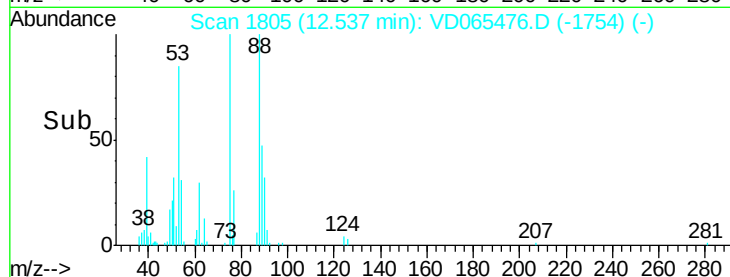
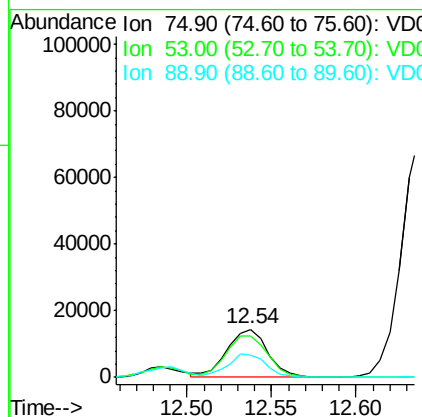
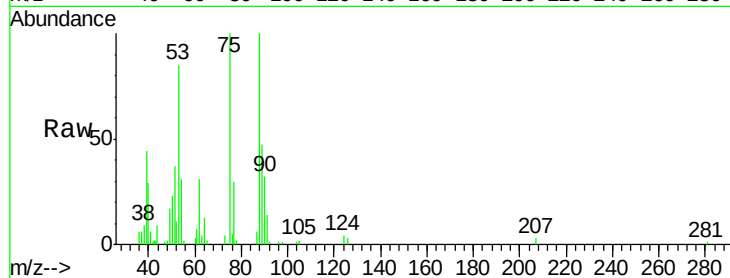
ClientSampleId :

VD0311SBS01

Tot Ion:	75	Resp:	24391
Ion	Ratio	Lower	Upper
75	100		
53	87.4	71.3	106.9
89	45.8	37.0	55.6

Manual Integrations
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3/13/2020 9:49:37 AM



#82

4-Chlorotoluene

Concen: 21.371 ug/l

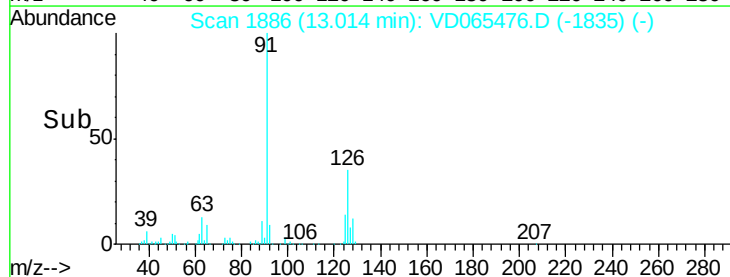
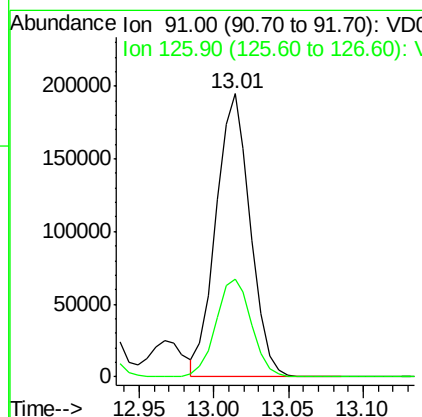
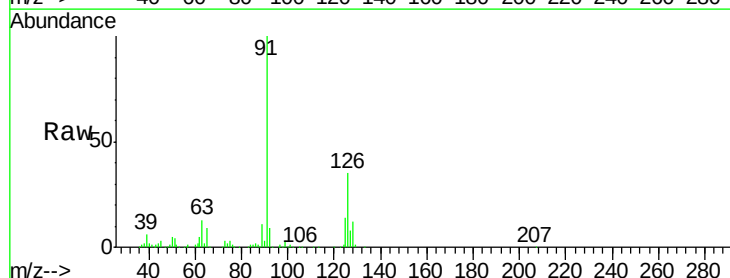
RT: 13.01 min Scan# 1886

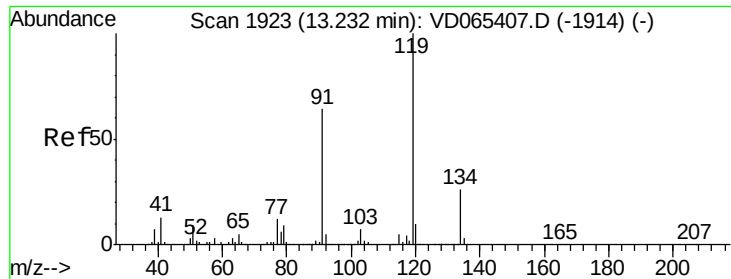
Delta R.T. -0.00 min

Lab File: VD065476.D

Acq: 11 Mar 2020 12:37

Tgt Ion:	91	Resp:	312743
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.8





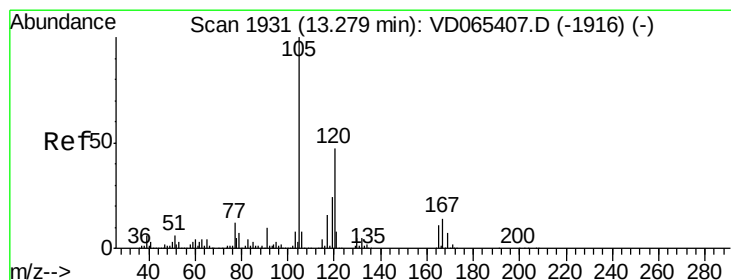
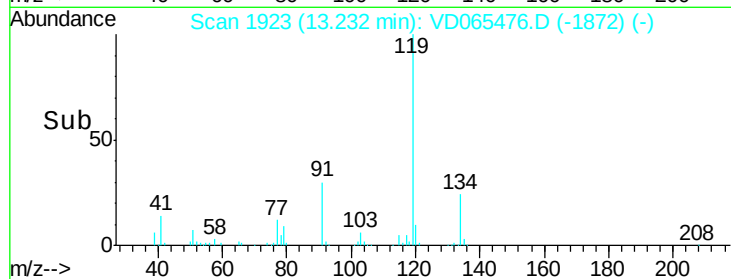
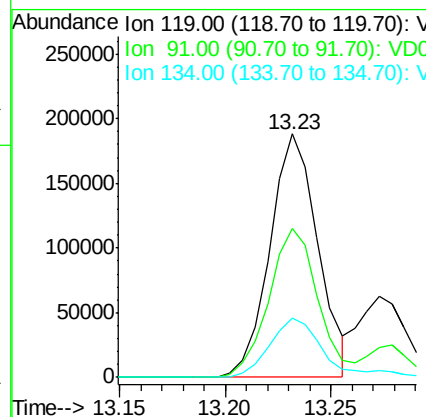
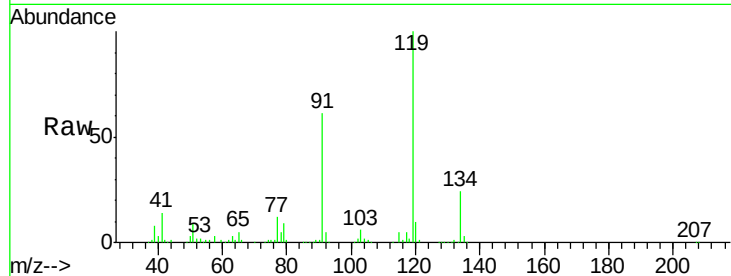
#83
 tert-Butylbenzene
 Concen: 20.581 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.6	95.0
134	27.5	14.2	42.8

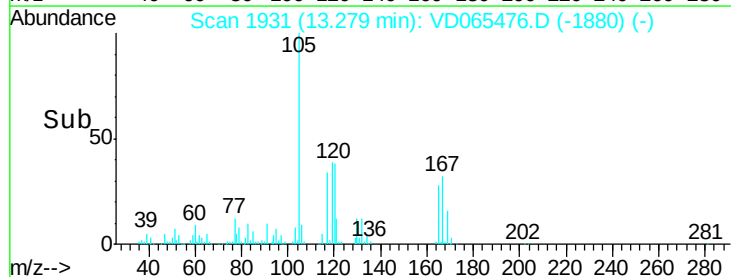
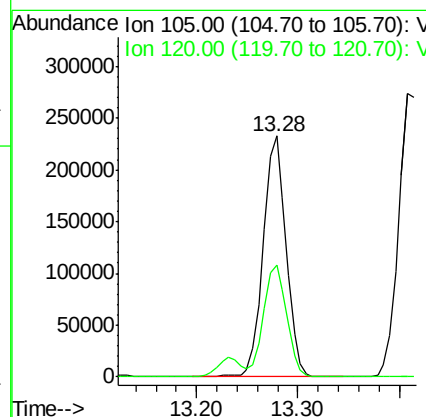
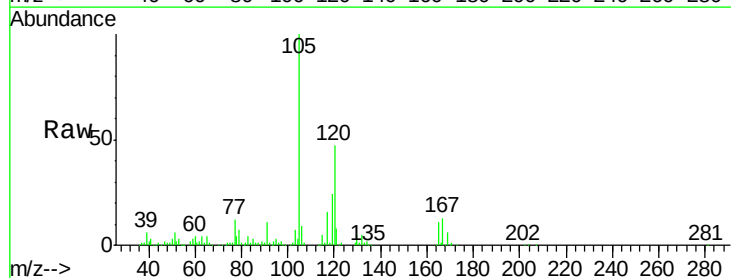
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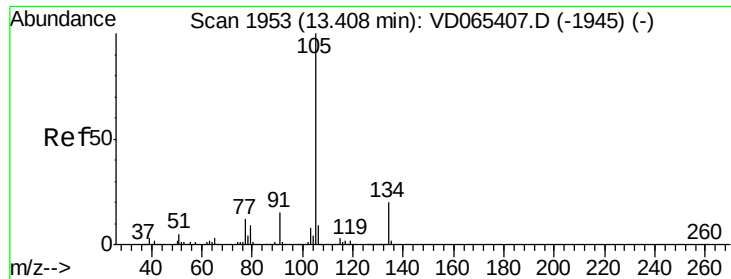
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.580 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.3





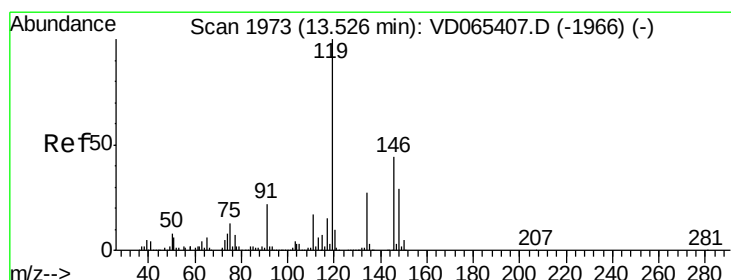
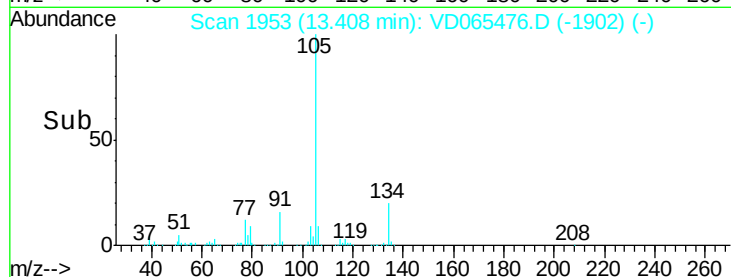
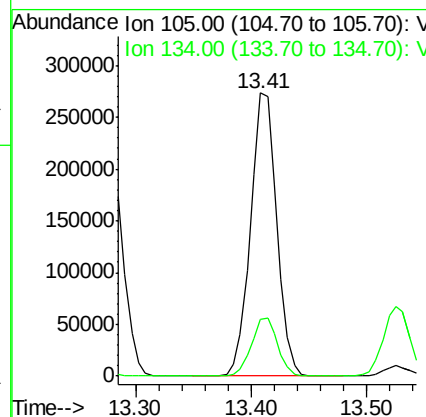
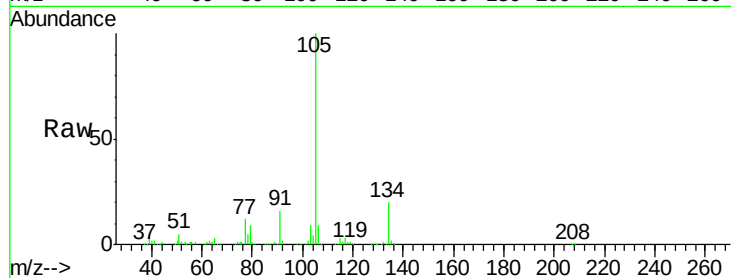
#85
 sec-Butylbenzene
 Concen: 20.875 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

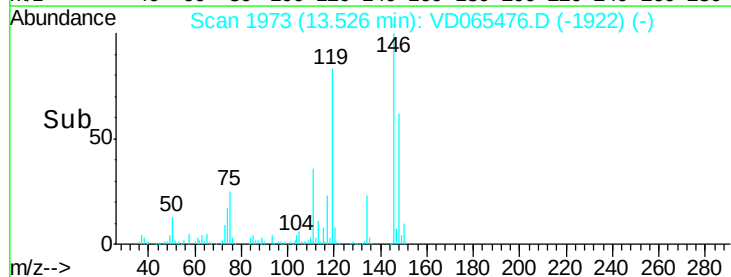
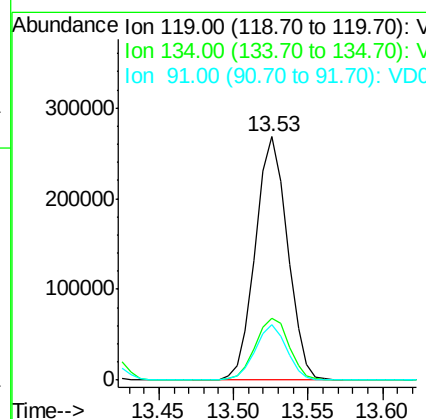
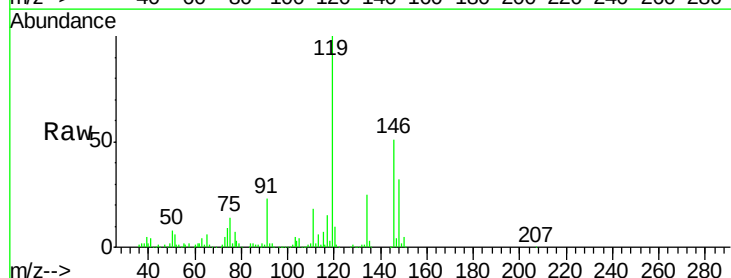
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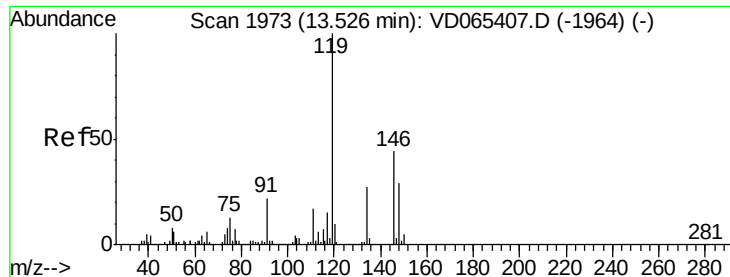
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.116 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	22.1	10.9	32.6





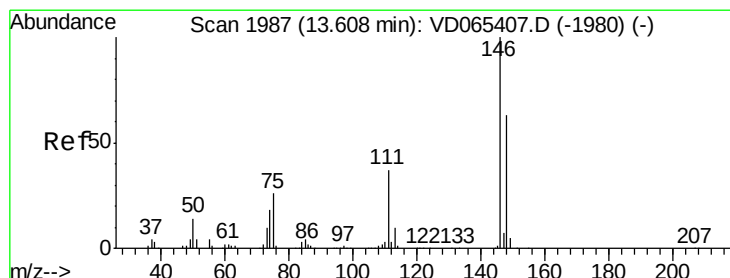
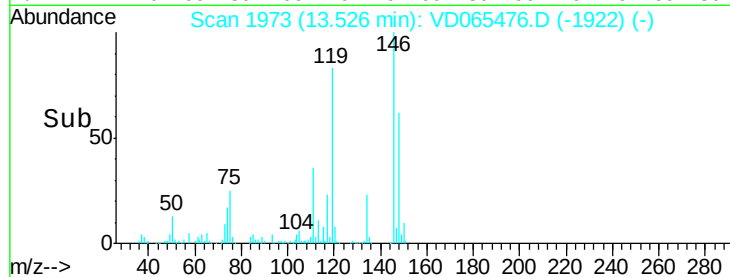
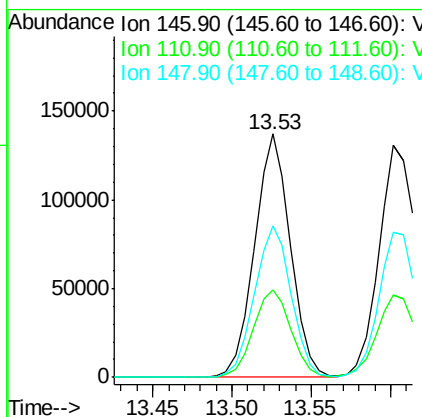
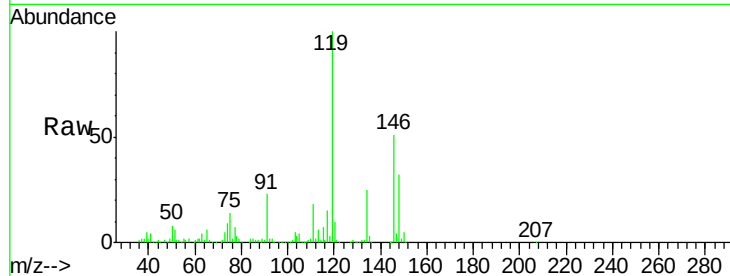
#87
 1,3-Dichlorobenzene
 Concen: 21.592 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	214795		
111	37.7	19.1	57.1	
148	64.0	32.3	96.8	

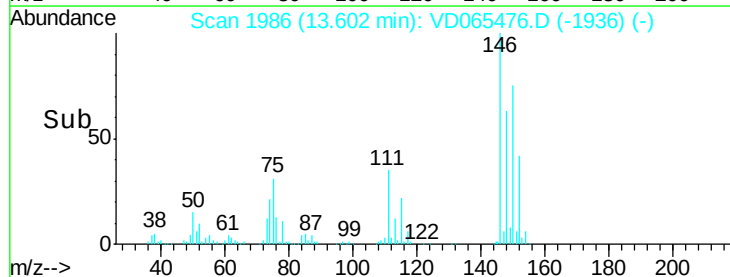
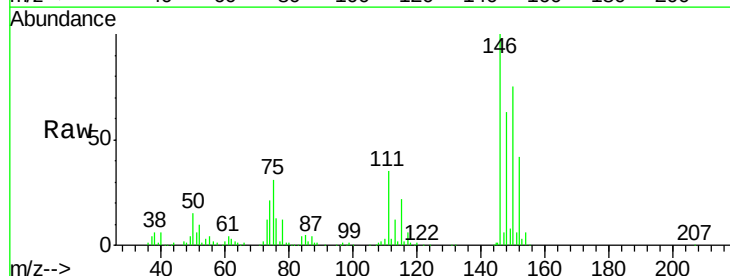
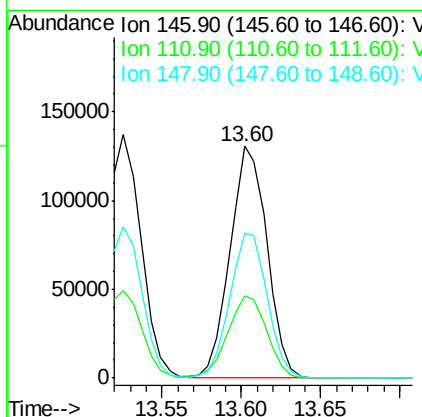
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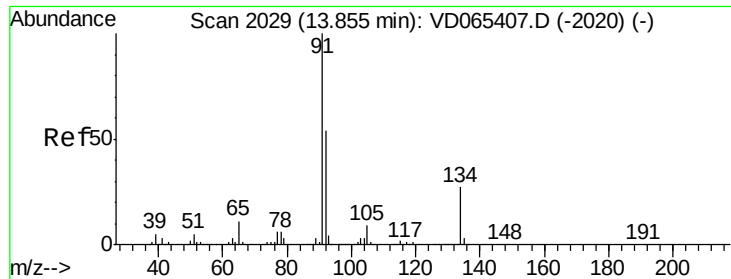
MMDadoda
 3/13/2020 9:49:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.370 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211467		
111	37.3	18.5	55.5	
148	63.3	32.0	96.0	





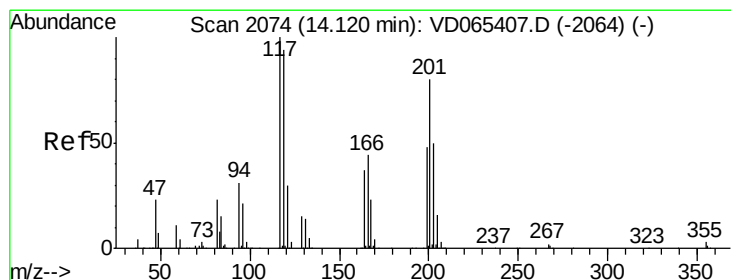
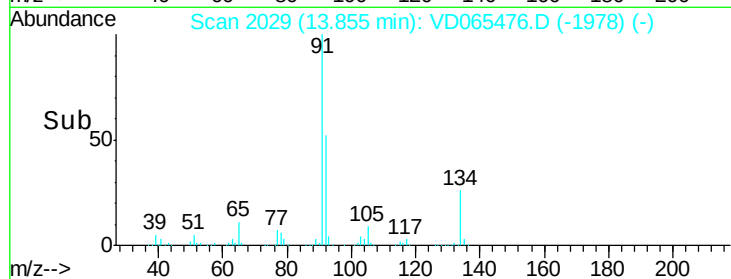
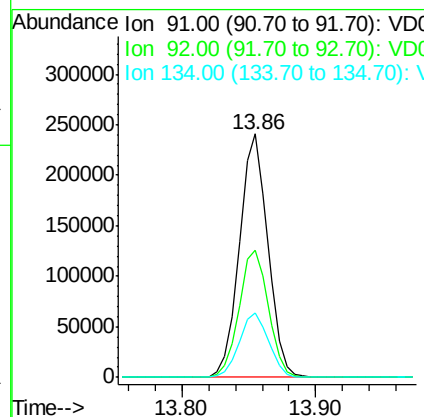
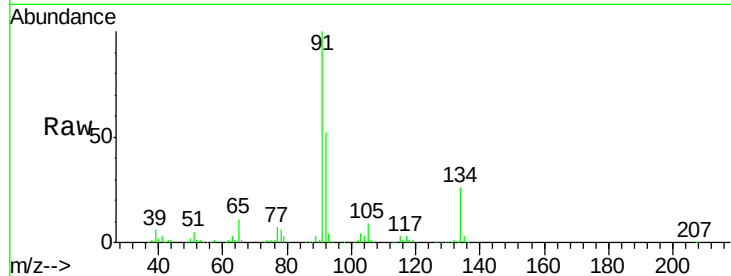
#89
n-Butylbenzene
Concen: 20.356 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	27.1	13.4	40.2

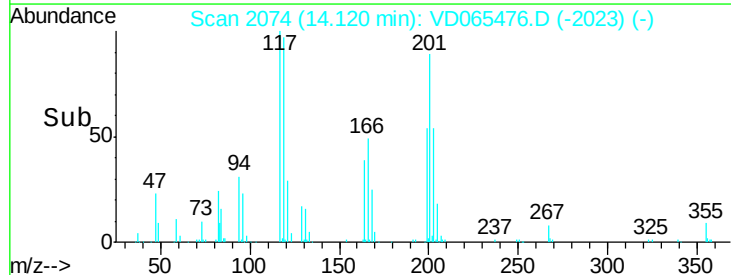
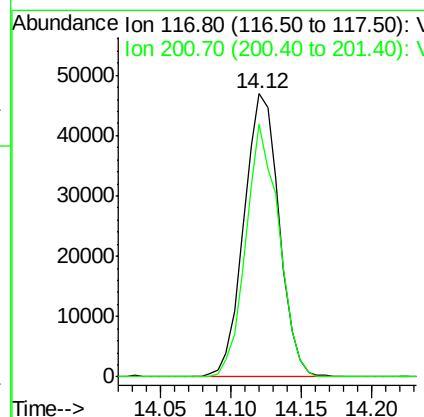
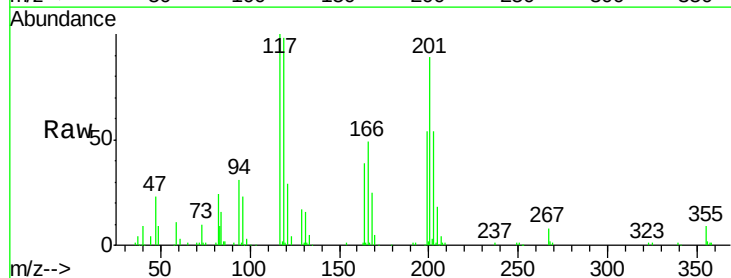
Manual Integrations
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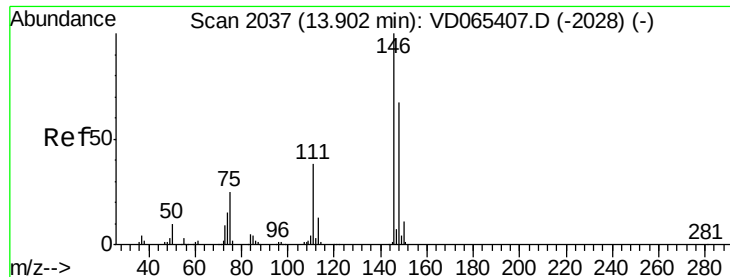
MMDadoda
3/13/2020 9:49:37 AM



#90
Hexachloroethane
Concen: 21.086 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.9	125.6





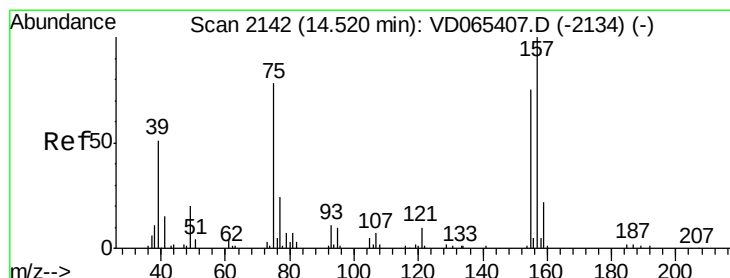
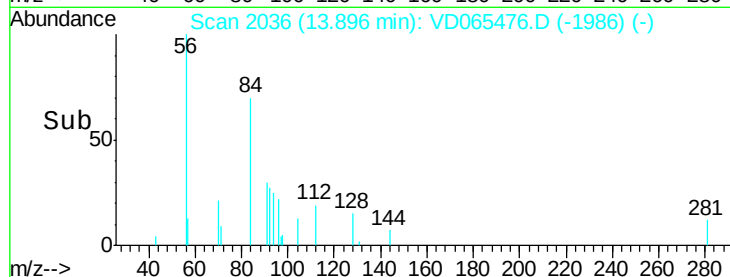
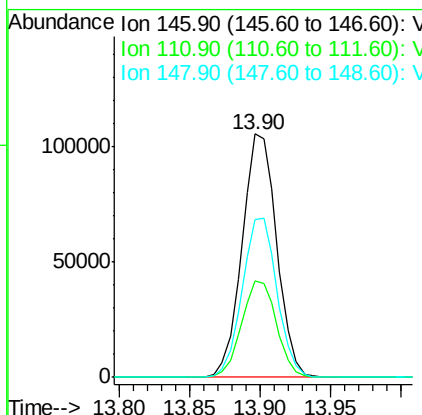
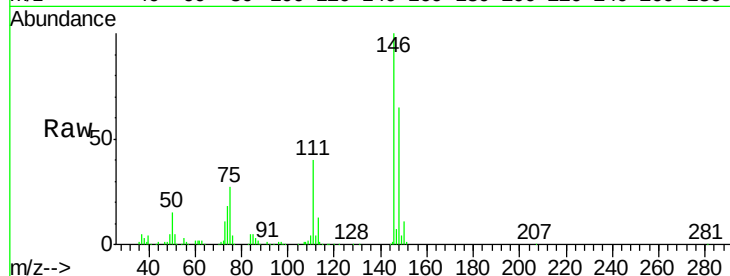
#91
 1,2-Dichlorobenzene
 Concen: 21.400 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	65.6	32.6	97.8

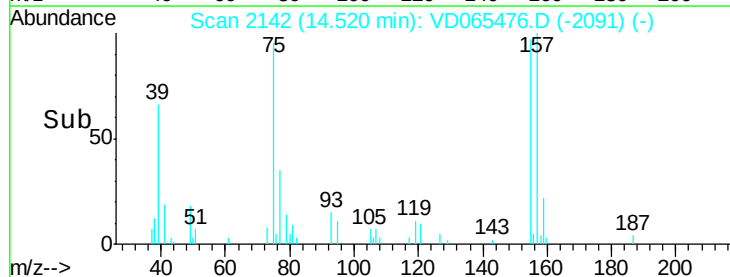
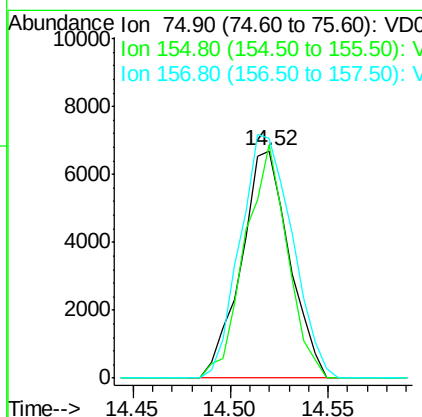
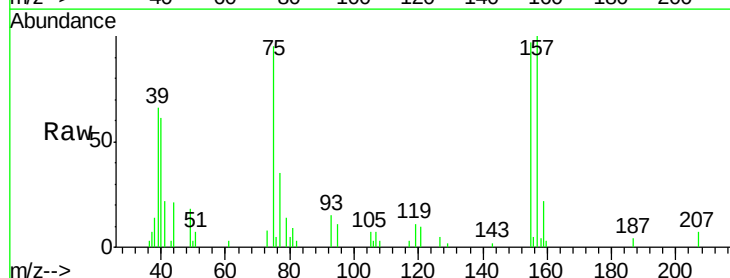
Manual Integrations
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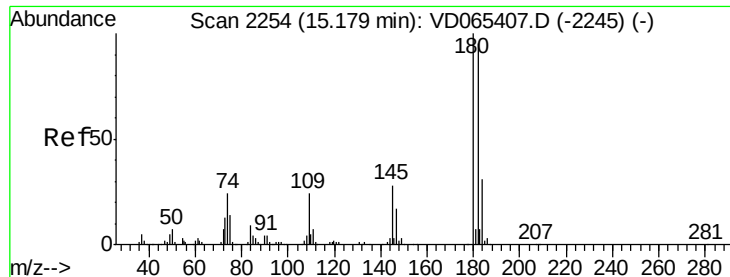
MMDadoda
 3/13/2020 9:49:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.516 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065476.D
 Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	46.4	139.1
157	116.1	60.2	180.4





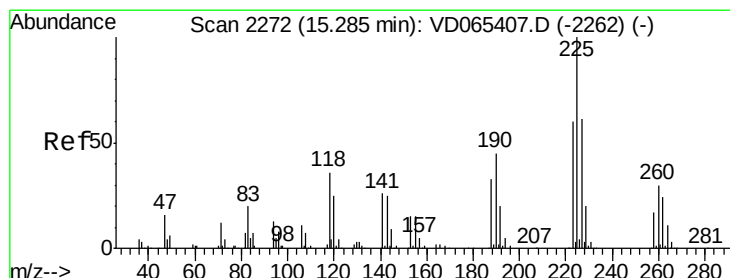
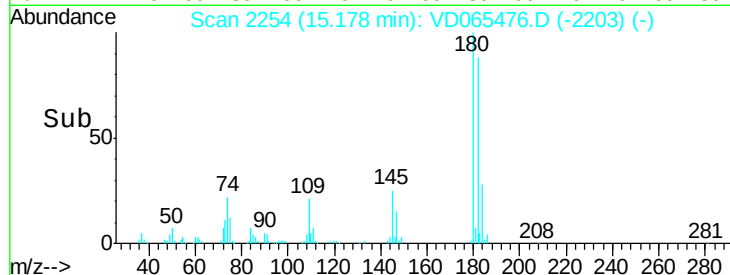
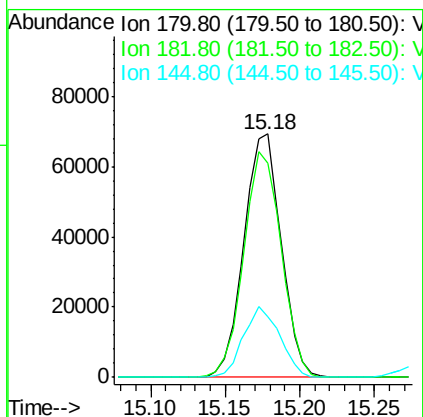
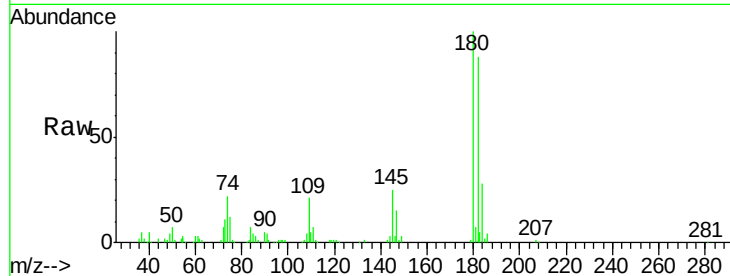
#93
1,2,4-Trichlorobenzene
Concen: 20.866 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119722		
182	93.7	48.3	144.9	
145	28.3	14.4	43.4	

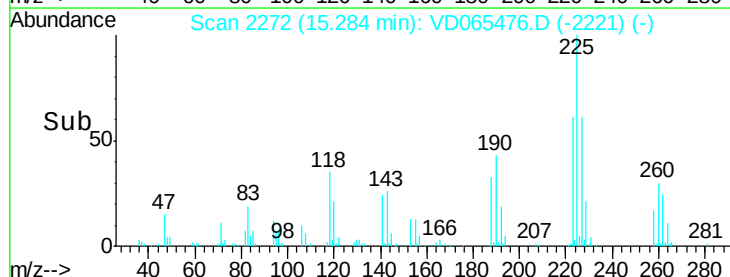
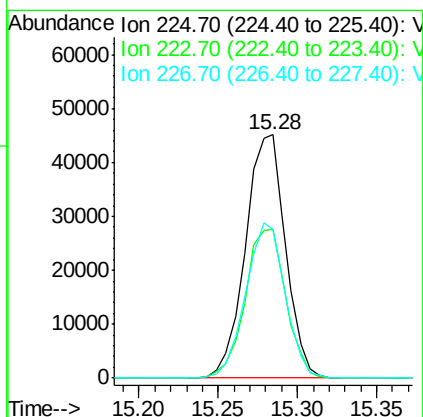
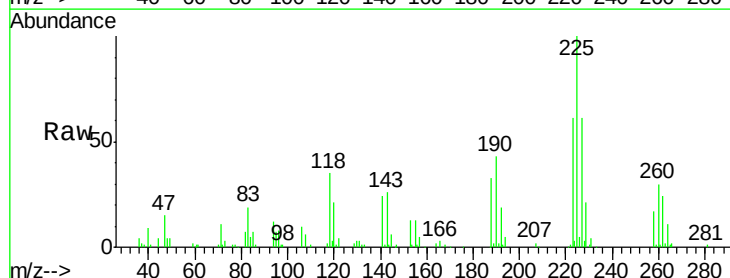
Manual Integrations
APPROVED

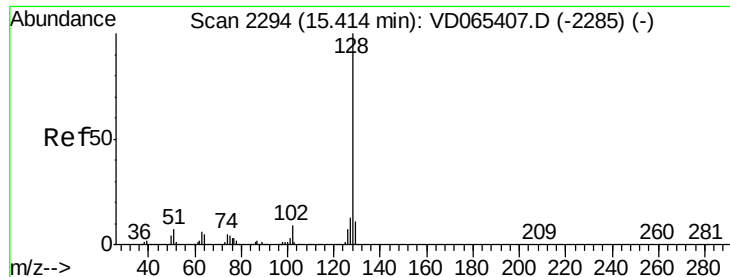
MMDadoda
3/13/2020 9:49:37 AM



#94
Hexachlorobutadiene
Concen: 20.963 ug/l
RT: 15.28 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79032		
223	62.2	30.9	92.5	
227	62.8	31.6	94.7	





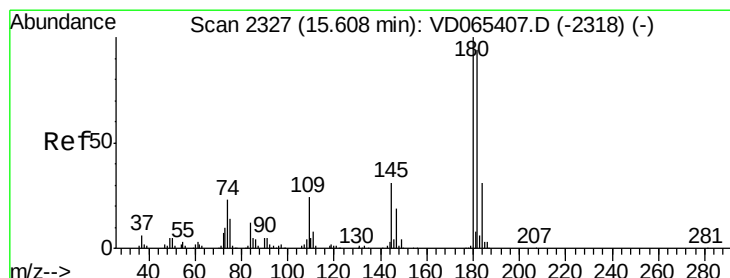
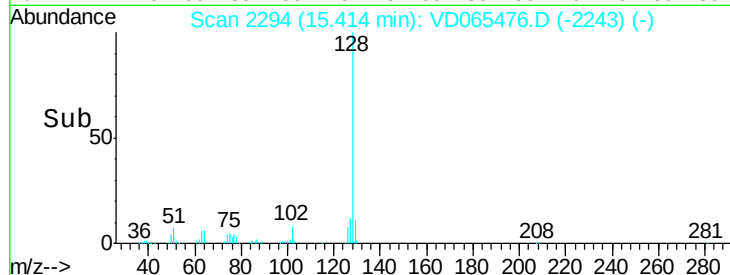
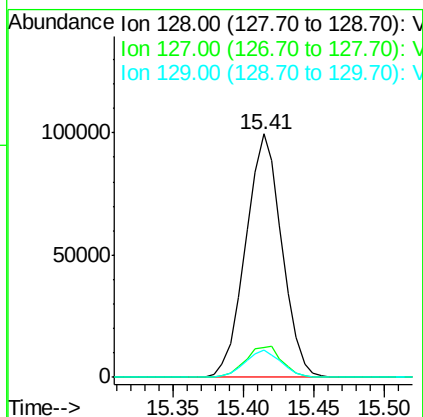
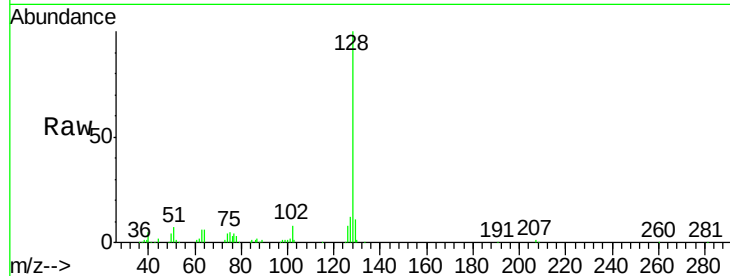
#95
Naphthalene
Concen: 20.370 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179021		
127	13.1	10.6	16.0	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.603 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065476.D
Acq: 11 Mar 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102152		
182	94.6	46.9	140.6	
145	31.0	15.0	45.1	

