

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065418.D
 Acq On : 04 Mar 2020 18:42
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:14 PM

Quant Time: Mar 05 02:41:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:33:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	206470	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.92	113	213507	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	10.34	98	801480	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	245314	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	12198	3.077	ug/l	96
3) Chloromethane	2.21	50	13954	2.916	ug/l	100
4) Vinyl Chloride	2.35	62	13859	2.936	ug/l #	88
5) Bromomethane	2.77	94	10813	3.582	ug/l	94
6) Chloroethane	2.93	64	8678	3.002	ug/l #	85
7) Trichlorofluoromethane	3.27	101	21649	3.112	ug/l	93
8) Diethyl Ether	3.71	74	6189	2.992	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	12884	2.876	ug/l #	17
10) Methyl Iodide	4.30	142	11755	2.526	ug/l #	85
11) Tert butyl alcohol	5.24	59	3594m	15.836	ug/l	
12) 1,1-Dichloroethene	4.06	96	13595	3.169	ug/l	84
13) Acrolein	3.93	56	5258	13.434	ug/l	94
14) Allyl chloride	4.71	41	19026	2.887	ug/l	97
15) Acrylonitrile	5.44	53	12340	13.713	ug/l	95
16) Acetone	4.17	43	11927	14.906	ug/l	92
17) Carbon Disulfide	4.40	76	42260	2.958	ug/l	99
18) Methyl Acetate	4.73	43	6178	3.044	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	22100	2.679	ug/l	91
20) Methylene Chloride	4.96	84	21262	4.295	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	13902	2.913	ug/l	93
22) Diisopropyl ether	6.37	45	30303	2.474	ug/l	96
23) Vinyl Acetate	6.31	43	76084	11.186	ug/l	95
24) 1,1-Dichloroethane	6.27	63	24312	3.094	ug/l	94
25) 2-Butanone	7.23	43	15425	14.126	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	20712	3.016	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	13499	2.768	ug/l	80
28) Bromochloromethane	7.55	49	9895	3.148	ug/l	100
29) Tetrahydrofuran	7.57	42	8200	11.759	ug/l	98
30) Chloroform	7.71	83	24527	3.123	ug/l	94
31) Cyclohexane	7.98	56	28877	3.675	ug/l #	72
32) 1,1,1-Trichloroethane	7.91	97	20759	2.860	ug/l	97
36) 1,1-Dichloropropene	8.11	75	18545	2.642	ug/l	98
37) Ethyl Acetate	7.30	43	6538	2.410	ug/l #	73
38) Carbon Tetrachloride	8.10	117	20093	2.760	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	21152	2.495	ug/l	88
40) Benzene	8.36	78	53177	2.709	ug/l	98
41) Methacrylonitrile	7.53	41	3837	2.674	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	14495	2.828	ug/l	97
43) Isopropyl Acetate	8.46	43	12459	2.487	ug/l	97
44) Trichloroethene	9.12	130	15980	2.883	ug/l	86
45) 1,2-Dichloropropane	9.39	63	13068	2.749	ug/l	95
46) Dibromomethane	9.48	93	6610	2.680	ug/l	98
47) Bromodichloromethane	9.67	83	17690	2.757	ug/l #	98
48) Methyl methacrylate	9.47	41	5084	2.157	ug/l #	90
49) 1,4-Dioxane	9.47	88	1414	50.127	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	27567	10.935	ug/l	96
52) Toluene	10.41	92	33615	2.719	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	15247	2.543	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	17346	2.390	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9563	2.738	ug/l	96
56) Ethyl methacrylate	10.66	69	9072	2.304	ug/l	99
57) 1,3-Dichloropropane	10.96	76	15186	2.570	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	12528	9.866	ug/l	100
59) 2-Hexanone	10.99	43	18634	10.677	ug/l	91
60) Dibromochloromethane	11.14	129	12906	2.883	ug/l	93
61) 1,2-Dibromoethane	11.25	107	8579	2.575	ug/l	99
64) Tetrachloroethene	10.88	164	14637	3.070	ug/l	96
65) Chlorobenzene	11.67	112	36130	2.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	13164	2.745	ug/l	96
67) Ethyl Benzene	11.75	91	56063	2.464	ug/l	92
68) m/p-Xylenes	11.86	106	39765	4.533	ug/l	95
69) o-Xylene	12.18	106	17522	2.271	ug/l	98
70) Styrene	12.20	104	29685	2.186	ug/l	98
71) Bromoform	12.36	173	7038	2.613	ug/l #	98
73) Isopropylbenzene	12.48	105	47081	2.282	ug/l	99
74) N-amyl acetate	12.29	43	9238	2.187	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	10247	2.825	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	6729m	2.718	ug/l	
77) Bromobenzene	12.77	156	14274	2.784	ug/l	98
78) n-propylbenzene	12.83	91	63722	2.603	ug/l	99
79) 2-Chlorotoluene	12.91	91	35316	2.559	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	39956	2.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	2805m	2.391	ug/l	
82) 4-Chlorotoluene	13.01	91	37116	2.560	ug/l	100
83) tert-Butylbenzene	13.23	119	34113	2.377	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	37428	2.238	ug/l	99
85) sec-Butylbenzene	13.41	105	47828	2.335	ug/l	96
86) p-Isopropyltoluene	13.53	119	41187	2.203	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	25306	2.567	ug/l	92
88) 1,4-Dichlorobenzene	13.60	146	28852	2.943	ug/l	88
89) n-Butylbenzene	13.86	91	42197	2.442	ug/l	99
90) Hexachloroethane	14.12	117	11275	2.929	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	22758	2.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1624	2.940	ug/l	94

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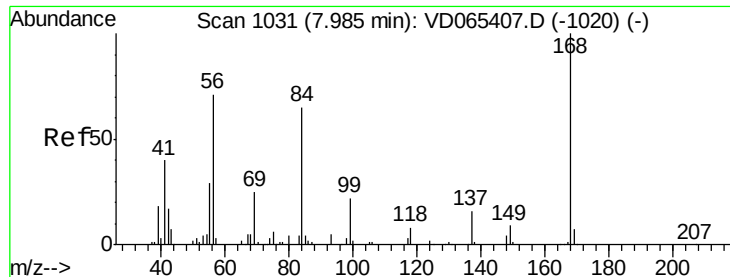
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	15422	2.713	ug/l	96
94) Hexachlorobutadiene	15.28	225	10826	2.898	ug/l	96
95) Naphthalene	15.41	128	20715	2.278	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13463	2.740	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

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MSVOA_D

ClientSampleId :

VD0305

Tot Ion:168 Resp: 461244

Ion Ratio Lower Upper

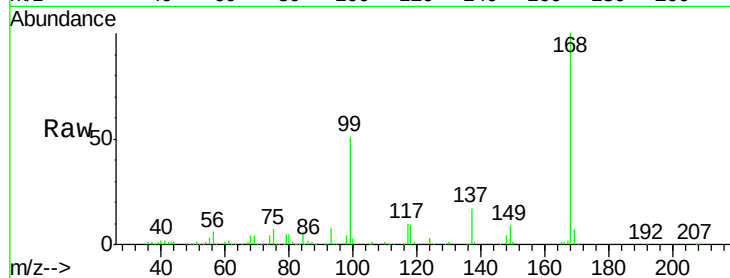
168 100

99 50.6 41.5 62.3

Manual Integrations
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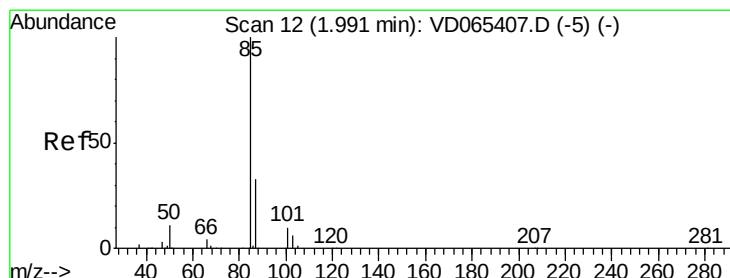
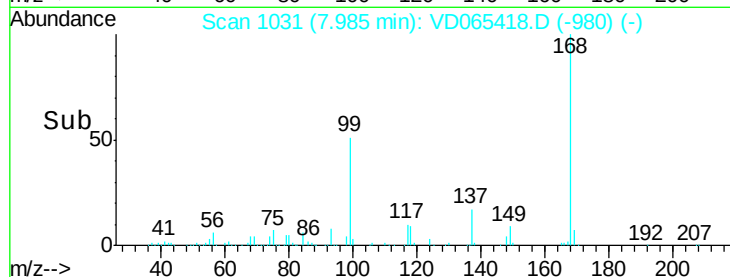
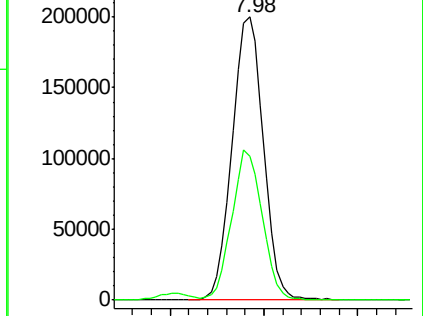
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3/5/2020 1:39:14 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 3.077 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065418.D

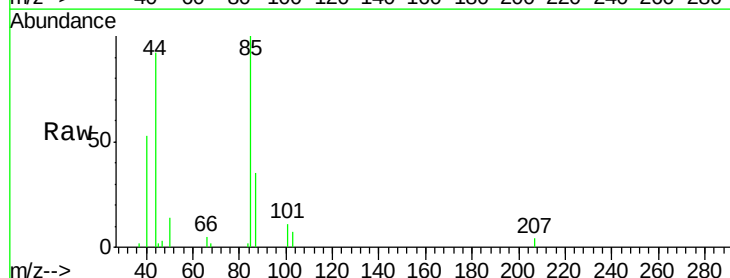
Acq: 04 Mar 2020 18:42

Tgt Ion: 85 Resp: 12198

Ion Ratio Lower Upper

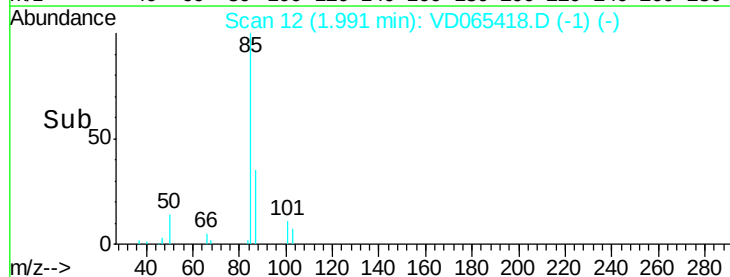
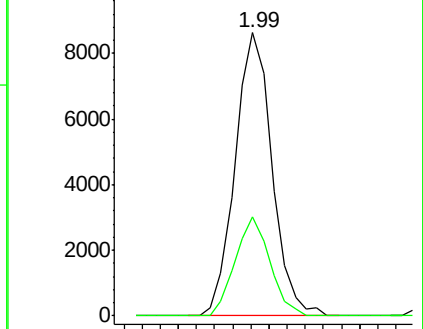
85 100

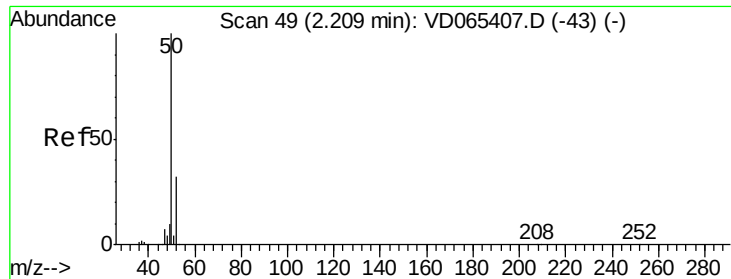
87 35.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 50 Resp: 13954

Ion Ratio Lower Upper

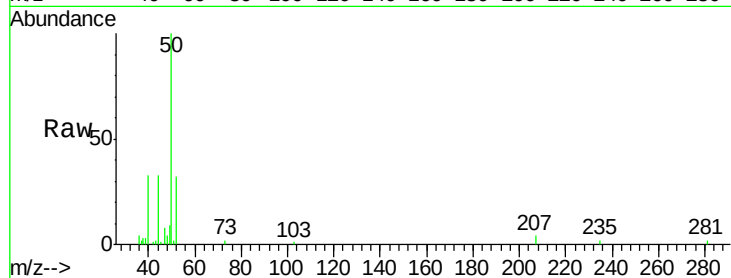
50 100

52 32.1 25.8 38.8

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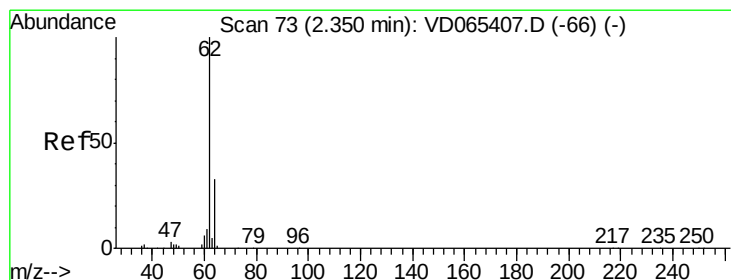
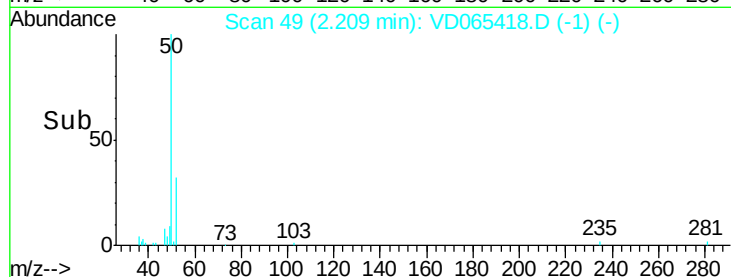
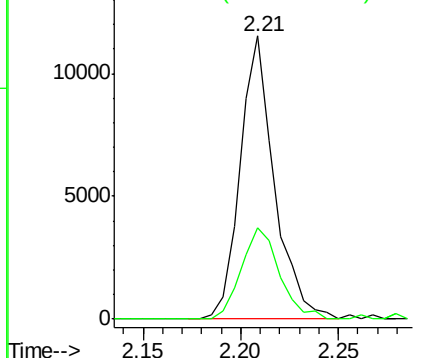
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.936 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065418.D

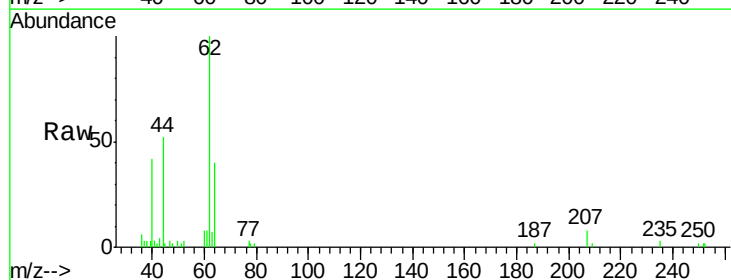
Acq: 04 Mar 2020 18:42

Tgt Ion: 62 Resp: 13859

Ion Ratio Lower Upper

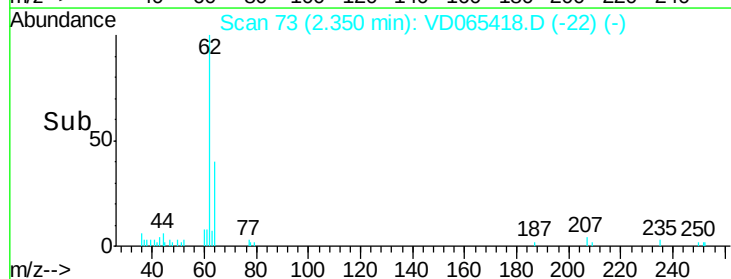
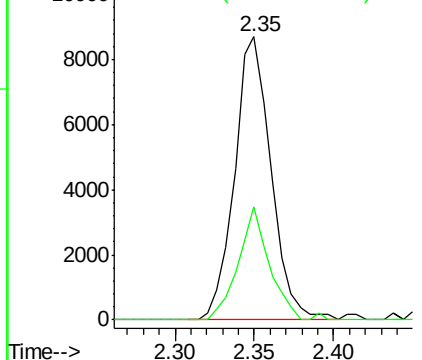
62 100

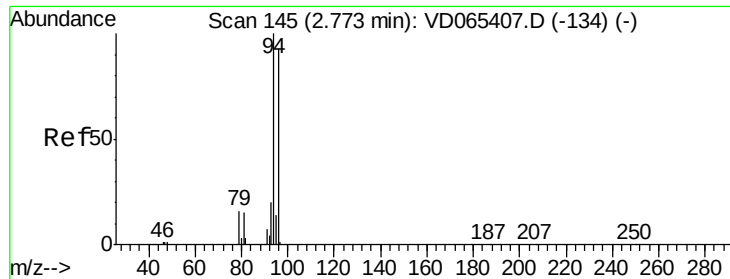
64 40.1 26.6 39.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.582 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 94 Resp: 10813

Ion Ratio Lower Upper

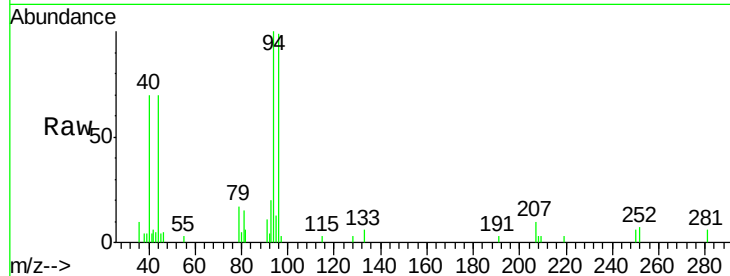
94 100

96 98.9 74.4 111.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

6000

5000

4000

3000

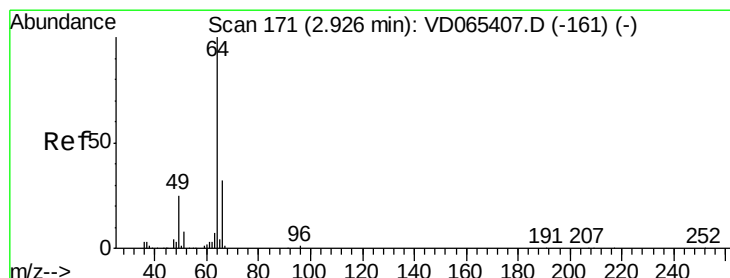
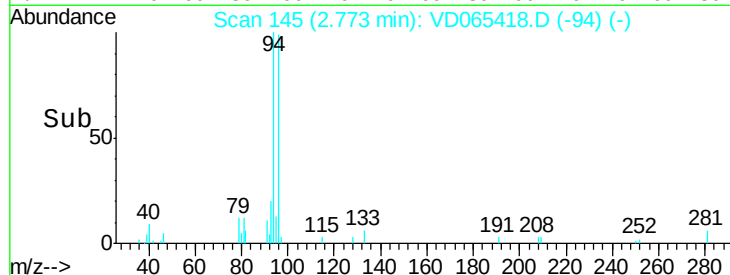
2000

1000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 3.002 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065418.D

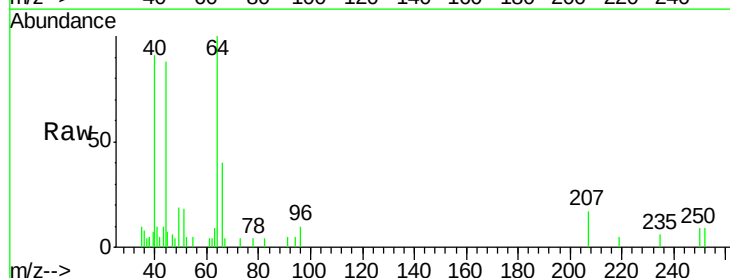
Acq: 04 Mar 2020 18:42

Tgt Ion: 64 Resp: 8678

Ion Ratio Lower Upper

64 100

66 40.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

4000

3000

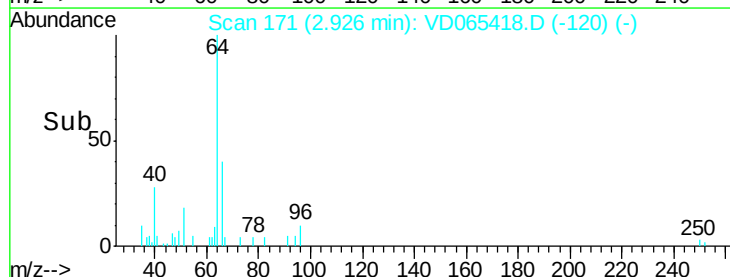
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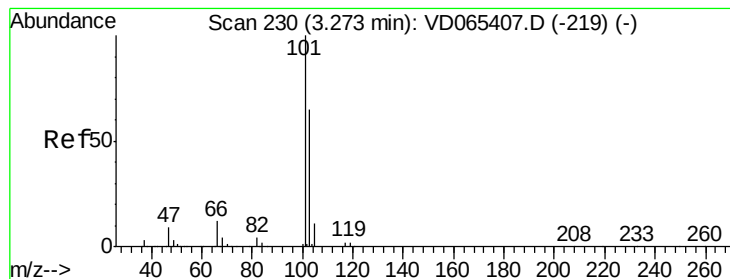
1000

0

2.85 2.90 2.95 3.00

Time-->





#7

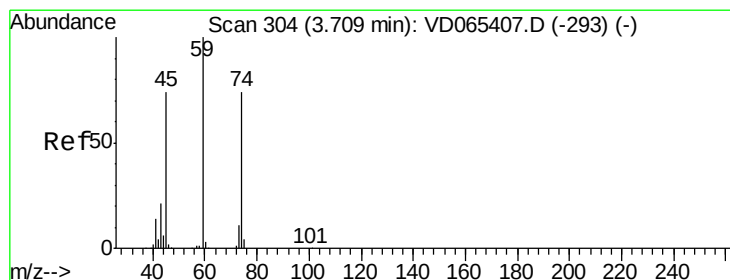
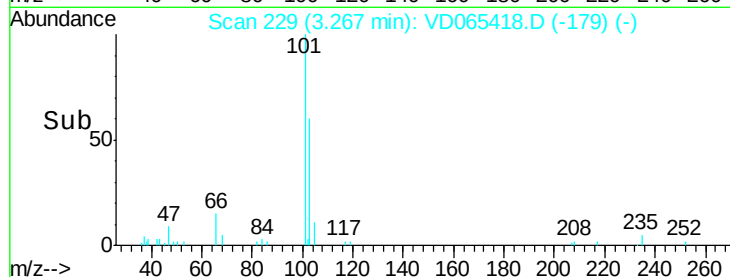
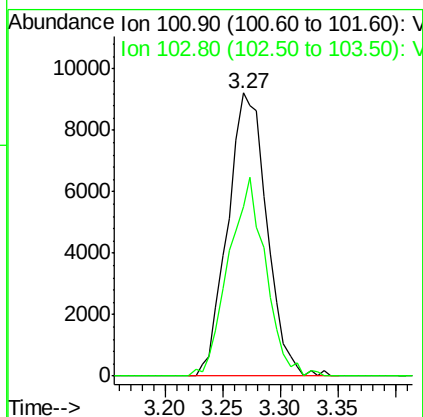
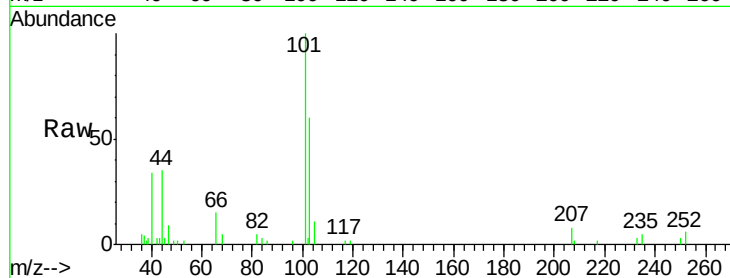
Trichlorofluoromethane
Concen: 3.112 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065418.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	52.1	78.1

Manual Integrations
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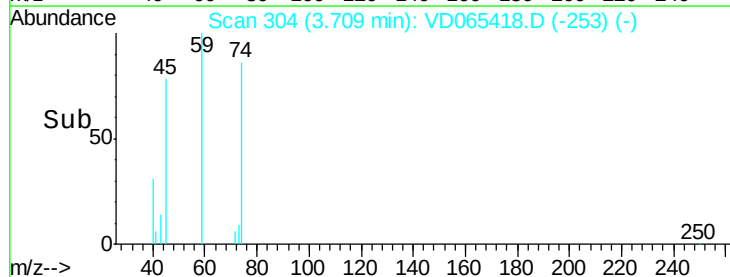
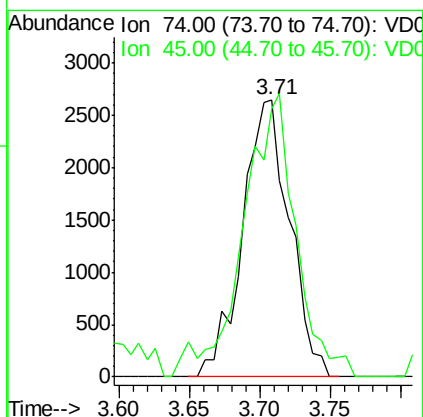
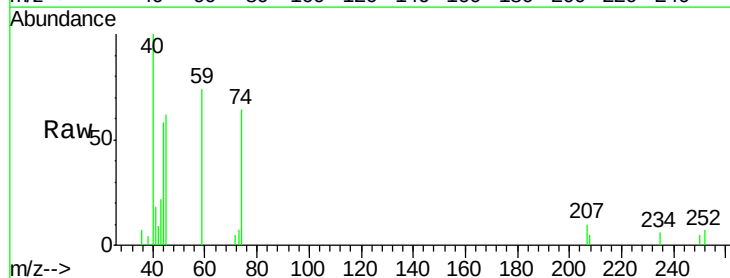
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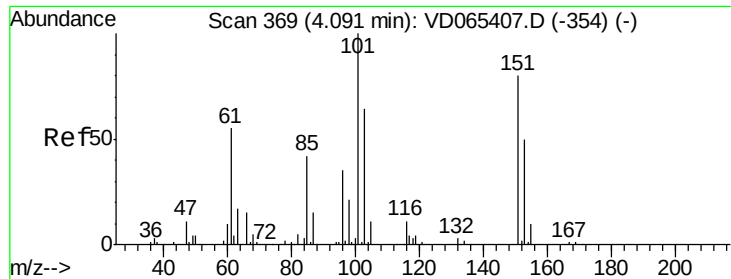


#8

Diethyl Ether
Concen: 2.992 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.3	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.876 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

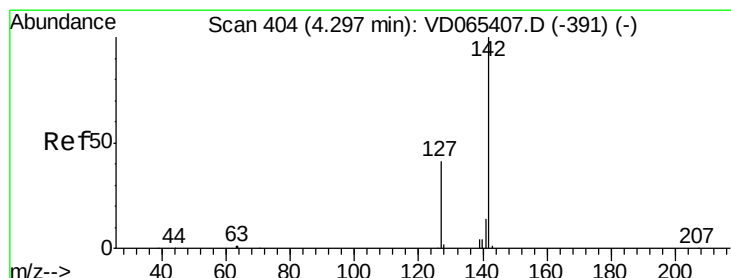
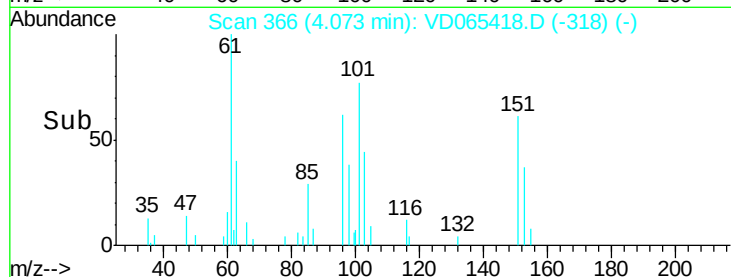
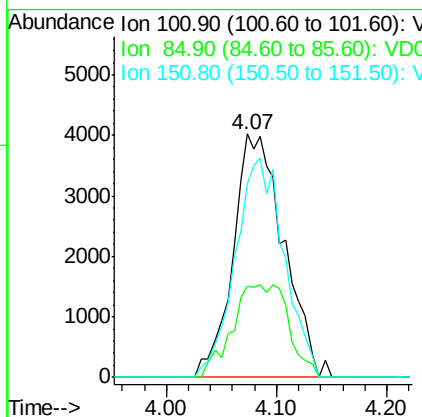
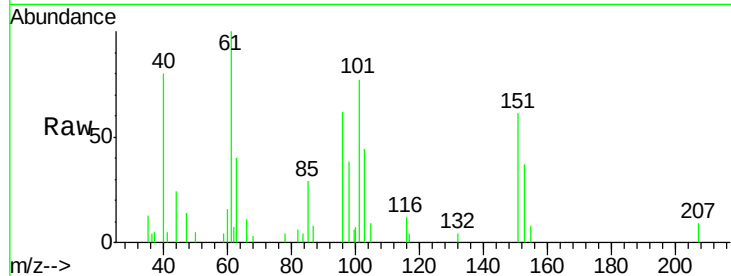
ClientSampleId :

VD0305

Tot Ion:	101	Resp:	12884
Ion Ratio	Lower	Upper	
101	100		
85	0.0	34.2	51.2#
151	0.0	65.1	97.7#

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:14 PM



#10

Methyl Iodide

Concen: 2.526 ug/l

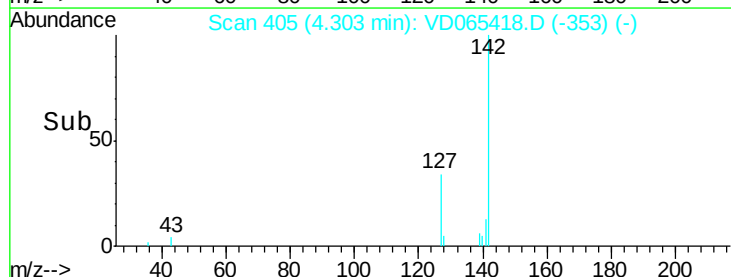
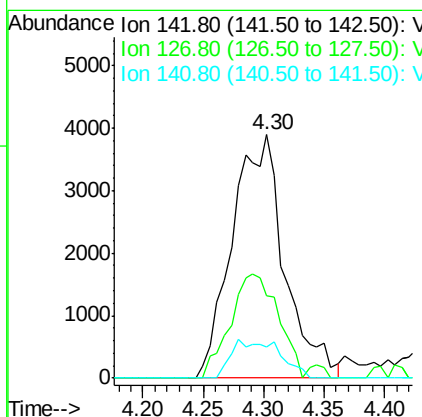
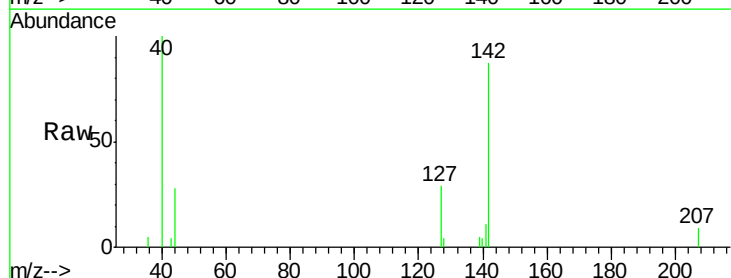
RT: 4.30 min Scan# 405

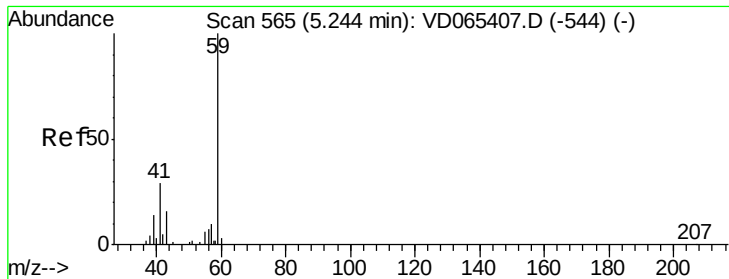
Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion:	142	Resp:	11755
Ion Ratio	Lower	Upper	
142	100		
127	39.1	35.0	52.6
141	0.0	12.4	18.6#





#11

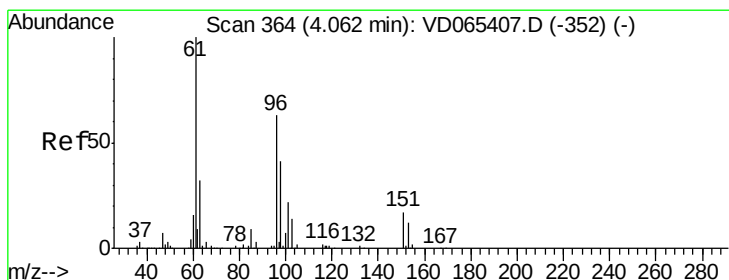
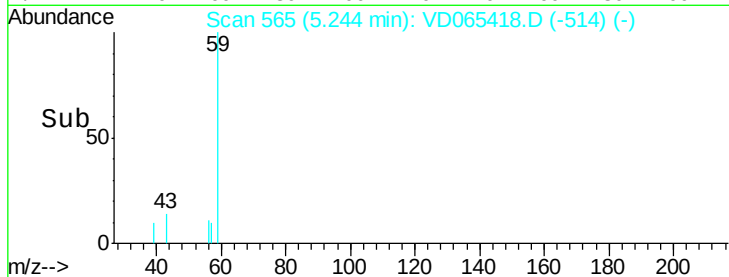
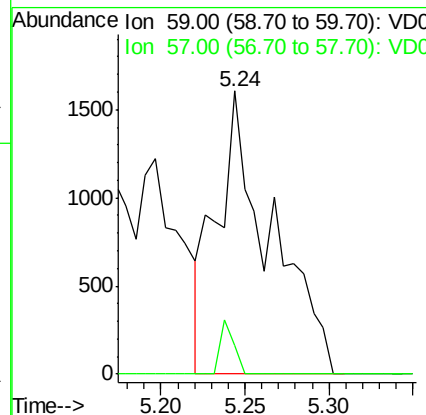
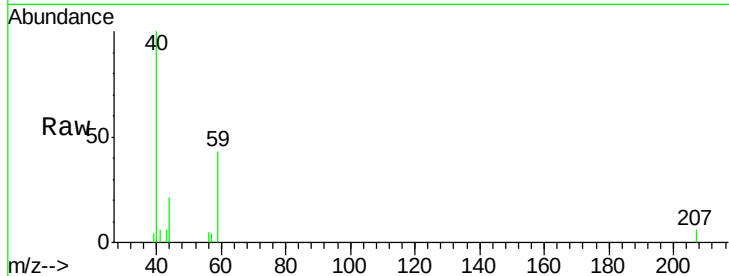
Tert butyl alcohol
Concen: 15.836 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	6.9	10.3#

Manual Integrations
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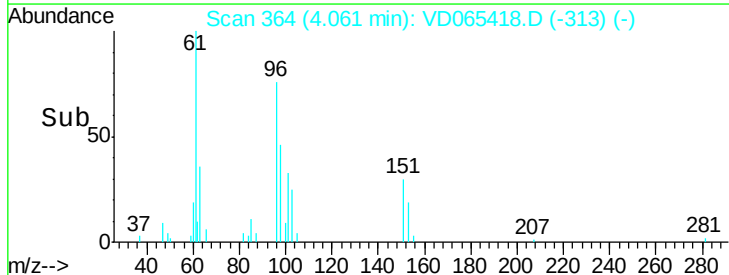
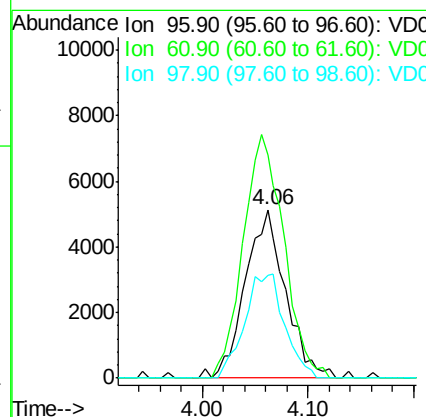
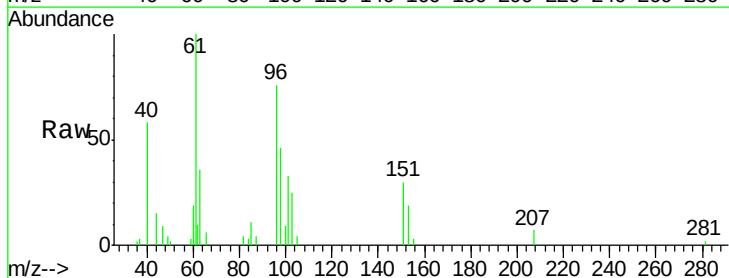
MMDadoda
3/5/2020 1:39:14 PM

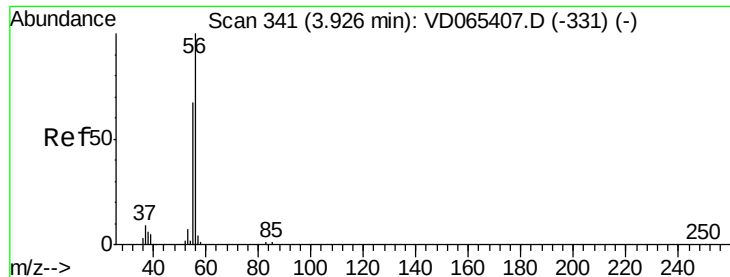


#12

1,1-Dichloroethene
Concen: 3.169 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.3	128.0	192.0
98	61.3	51.9	77.9





#13

Acrolein

Concen: 13.434 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 56 Resp: 5258

Ion Ratio Lower Upper

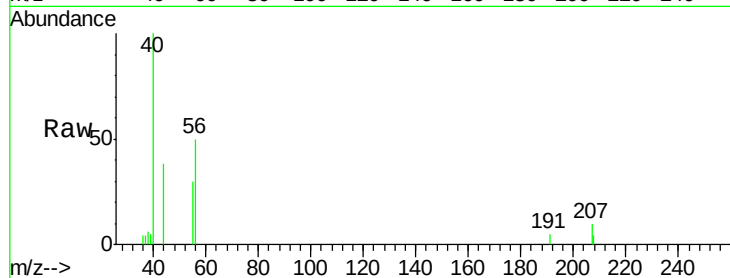
56 100

55 76.0 56.6 85.0

Manual Integrations
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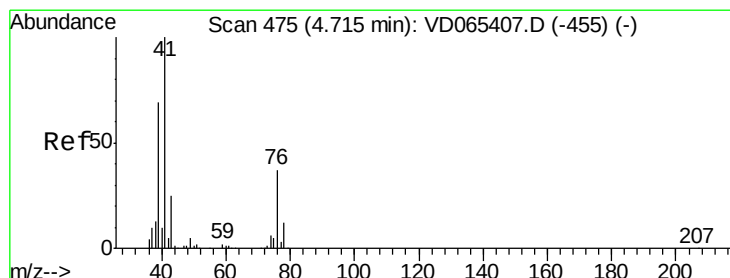
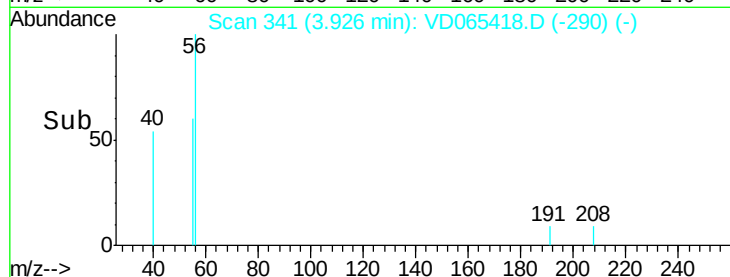
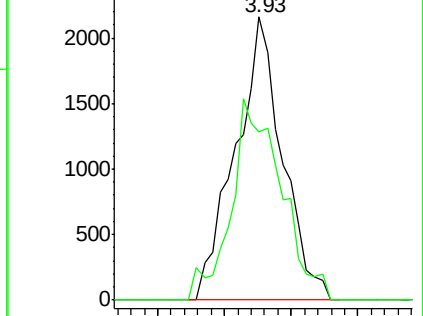
MMDadoda

3/5/2020 1:39:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.887 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

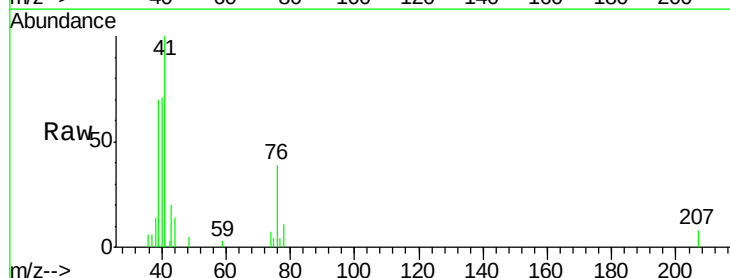
Tgt Ion: 41 Resp: 19026

Ion Ratio Lower Upper

41 100

39 62.7 52.6 79.0

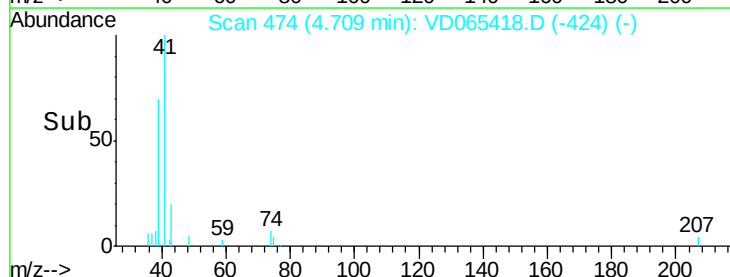
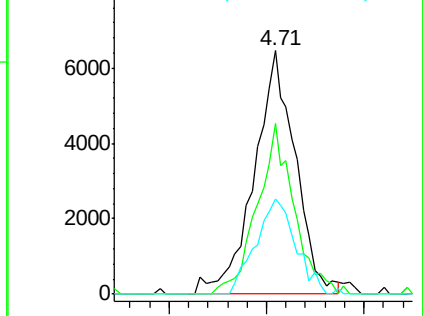
76 37.8 29.2 43.8

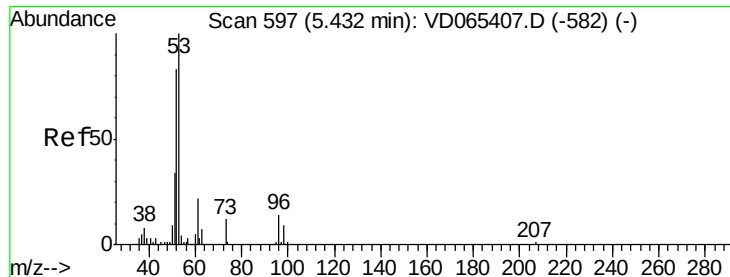


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





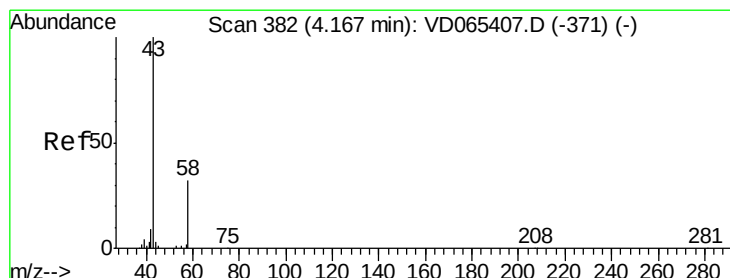
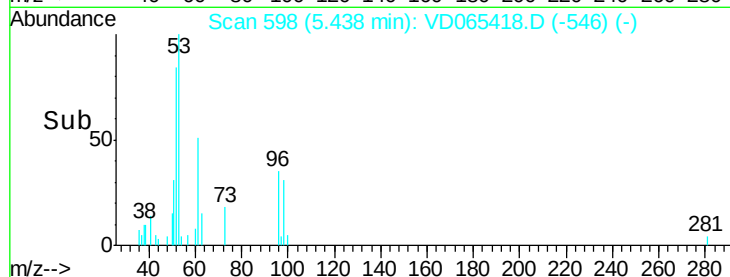
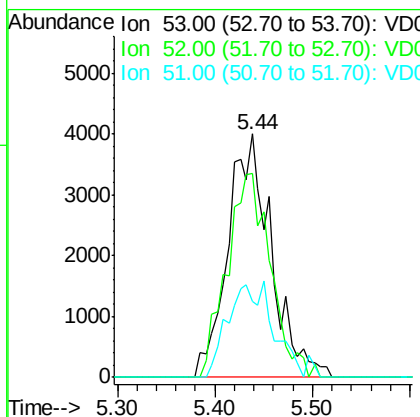
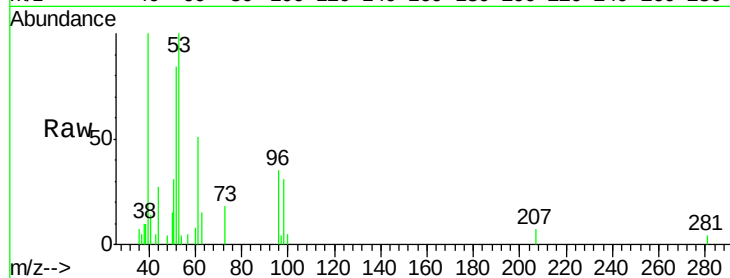
#15
 Acrylonitrile
 Concen: 13.713 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampled :
 VD0305

Tot Ion:	53	Resp:	12340
Ion	Ratio	Lower	Upper
53	100		
52	84.6	65.1	97.7
51	40.3	28.5	42.7

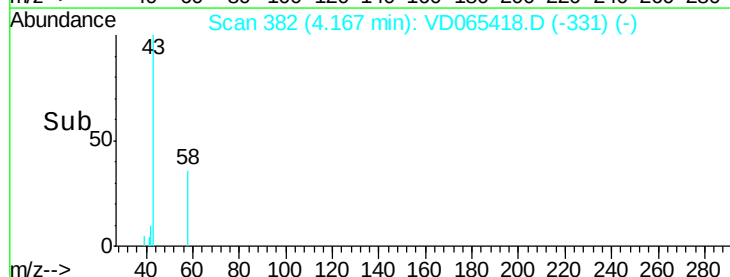
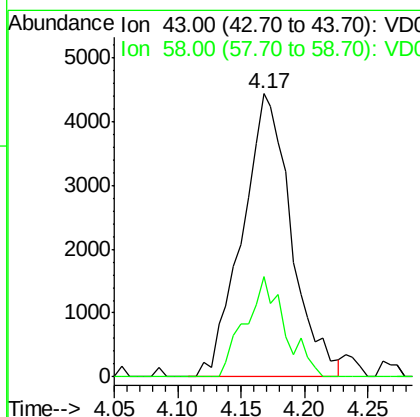
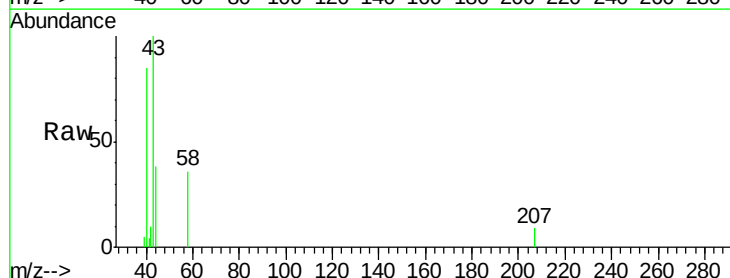
Manual Integrations
 APPROVED

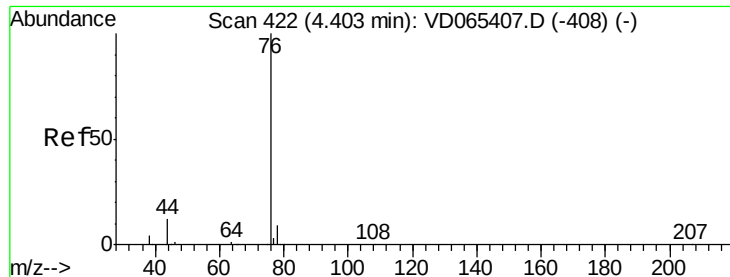
MMDadoda
 3/5/2020 1:39:14 PM



#16
 Acetone
 Concen: 14.906 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion:	43	Resp:	11927
Ion	Ratio	Lower	Upper
43	100		
58	35.6	25.1	37.7





#17

Carbon Disulfide

Concen: 2.958 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 76 Resp: 42260

Ion Ratio Lower Upper

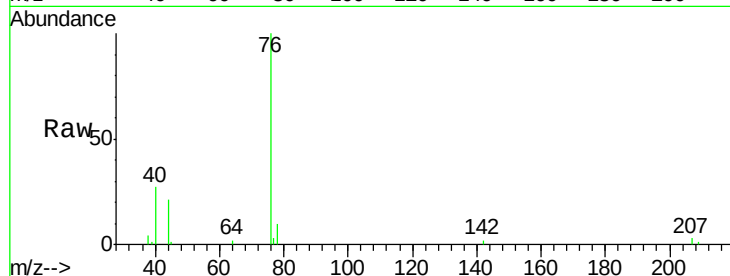
76 100

78 9.5 7.4 11.0

Manual Integrations
APPROVED

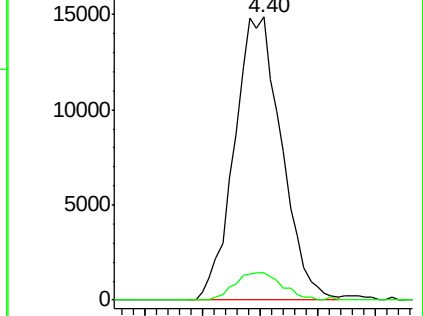
MMDadoda

3/5/2020 1:39:14 PM

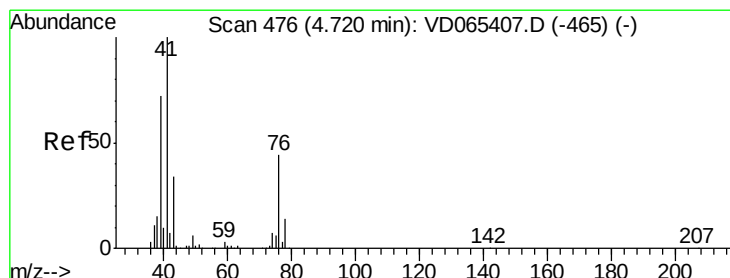
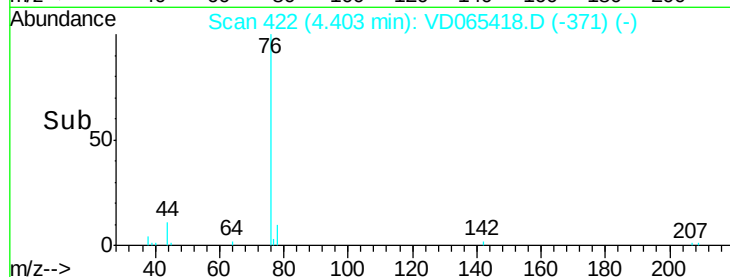


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 3.044 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065418.D

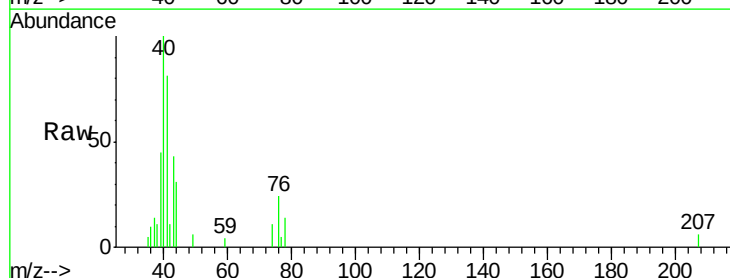
Acq: 04 Mar 2020 18:42

Tgt Ion: 43 Resp: 6178

Ion Ratio Lower Upper

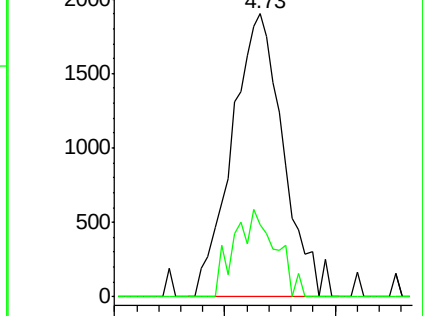
43 100

74 25.3 19.6 29.4

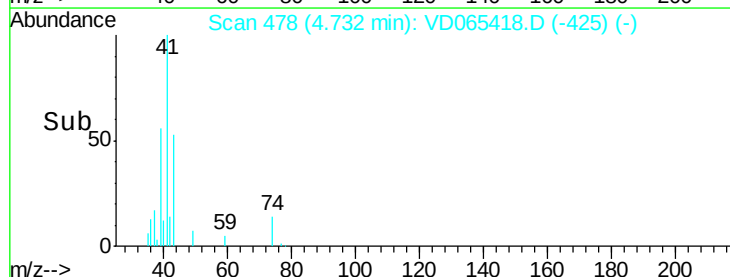


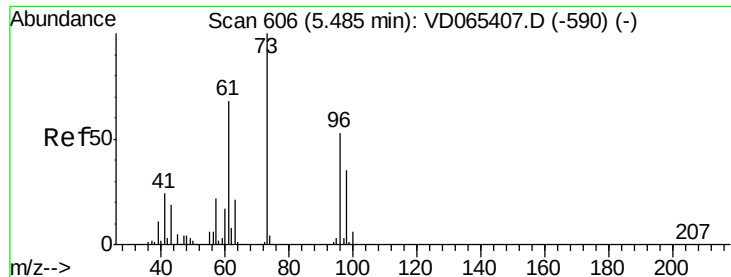
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





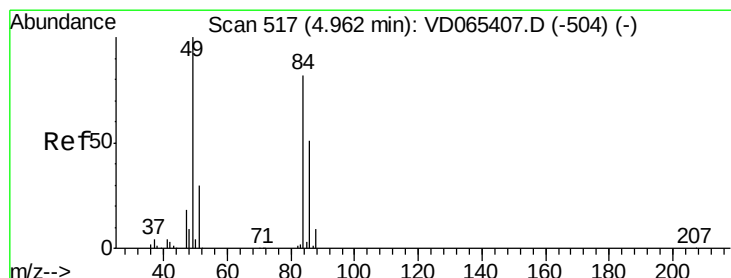
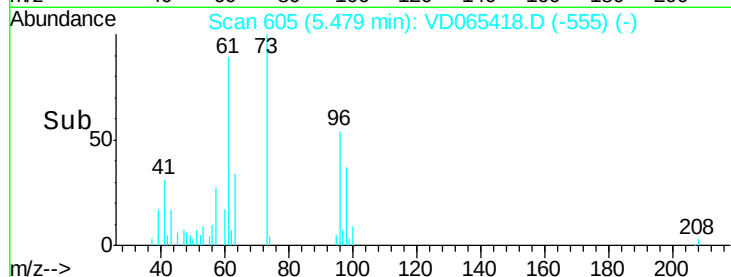
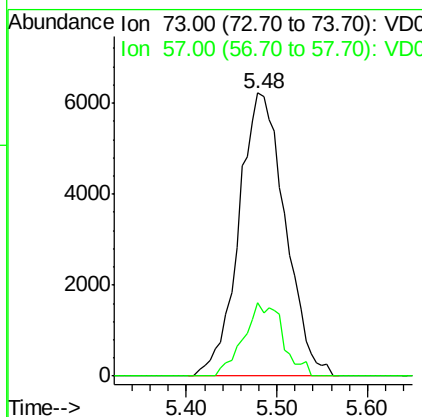
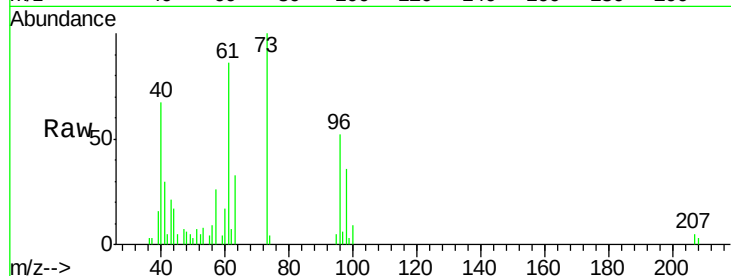
#19
Methyl tert-butyl Ether
Concen: 2.679 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion: 73 Resp: 22100
Ion Ratio Lower Upper
73 100
57 25.9 17.3 25.9

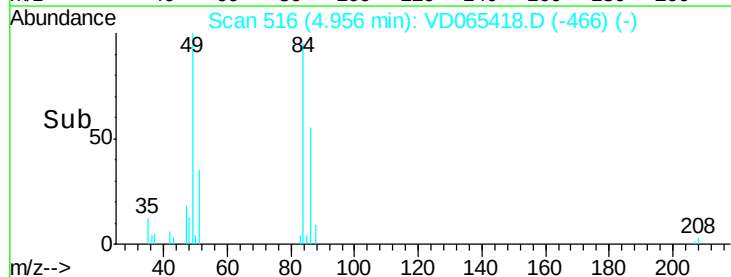
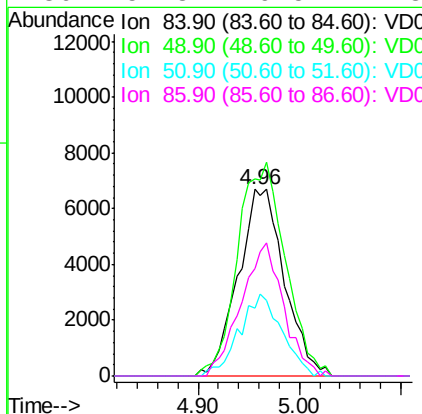
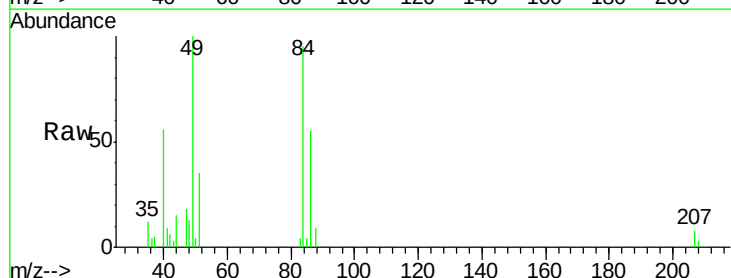
Manual Integrations
APPROVED

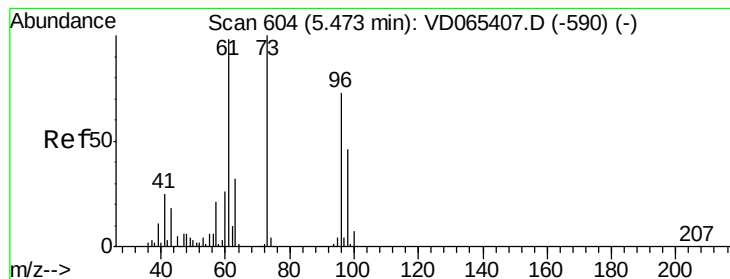
MMDadoda
3/5/2020 1:39:14 PM



#20
Methylene Chloride
Concen: 4.295 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 84 Resp: 21262
Ion Ratio Lower Upper
84 100
49 105.3 97.7 146.5
51 36.6 28.8 43.2
86 57.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 2.913 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

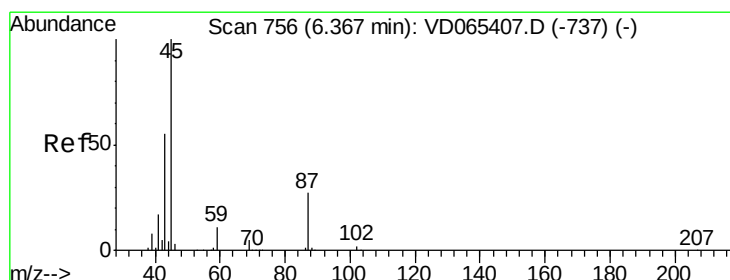
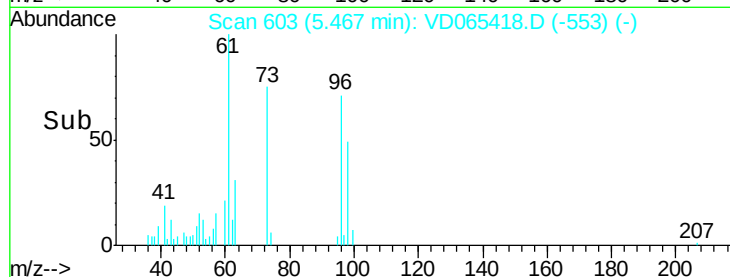
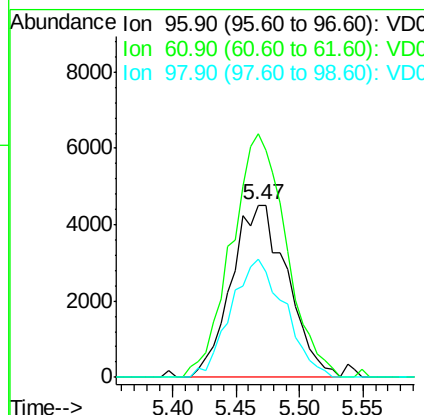
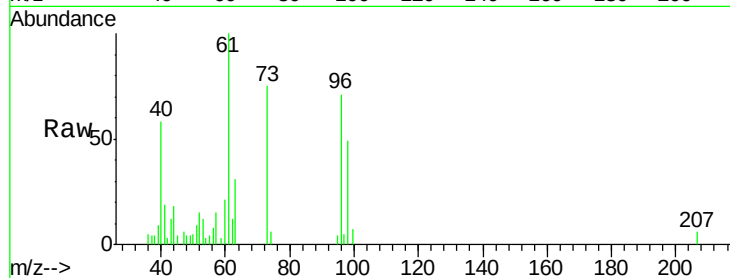
ClientSampleId :

VD0305

Tot Ion:	96	Resp:	13902
Ion	Ratio	Lower	Upper
96	100		
61	141.1	106.3	159.5
98	68.7	50.2	75.4

Manual Integrations
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MMDadoda
3/5/2020 1:39:14 PM



#22

Diisopropyl ether

Concen: 2.474 ug/l

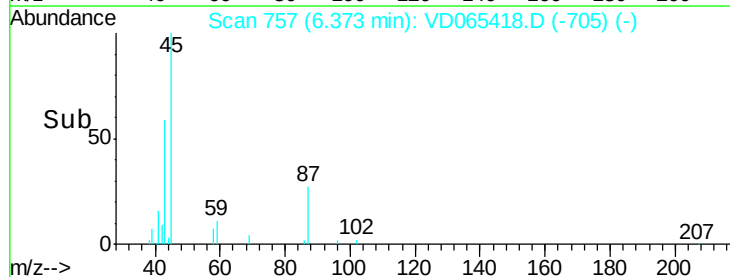
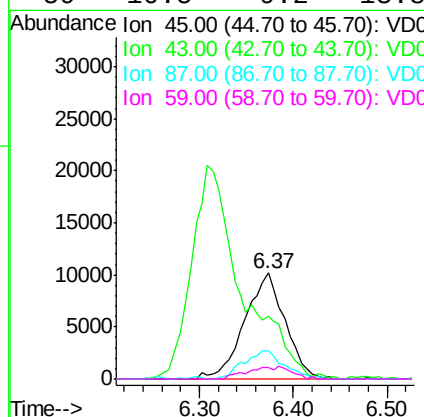
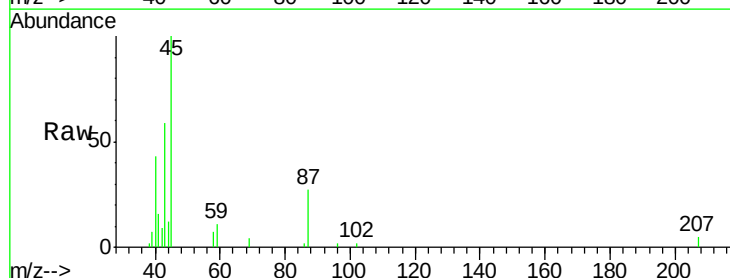
RT: 6.37 min Scan# 757

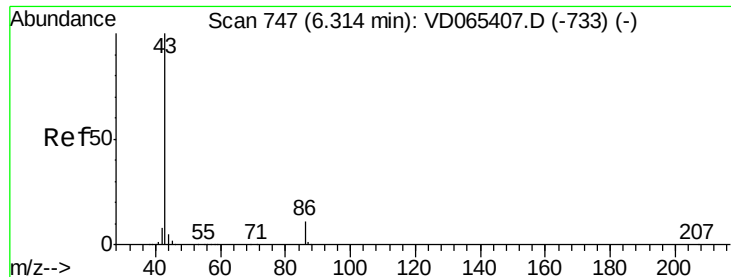
Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion:	45	Resp:	30303
Ion	Ratio	Lower	Upper
45	100		
43	59.0	44.4	66.6
87	26.5	21.9	32.9
59	10.5	9.2	13.8





#23

Vinyl Acetate

Concen: 11.186 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 43 Resp: 76084

Ion Ratio Lower Upper

43 100

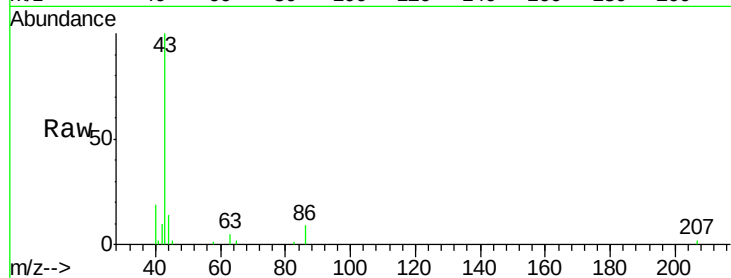
86 9.4 8.9 13.3

Manual Integrations

APPROVED

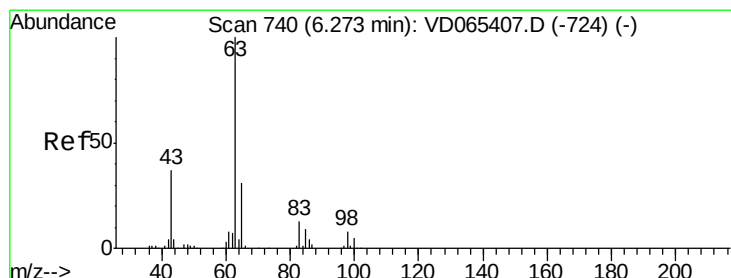
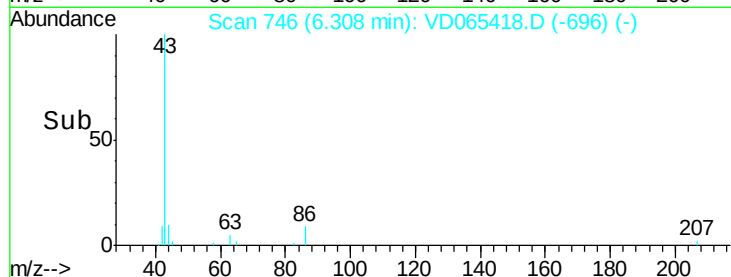
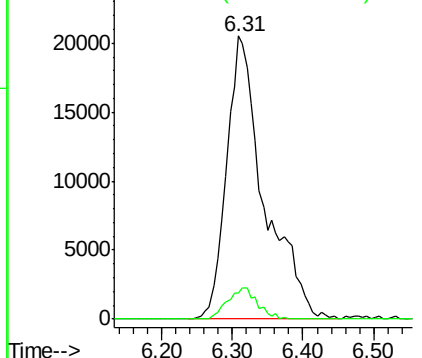
MMDadoda

3/5/2020 1:39:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 3.094 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

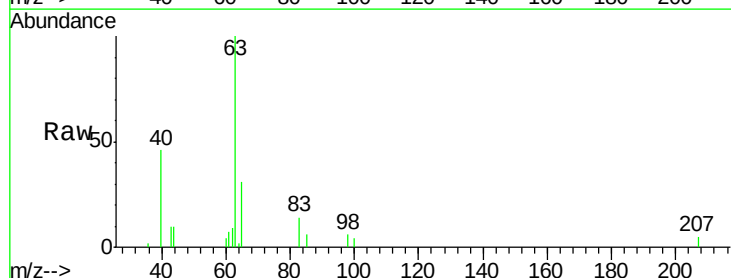
Tgt Ion: 63 Resp: 24312

Ion Ratio Lower Upper

63 100

98 5.5 4.2 12.6

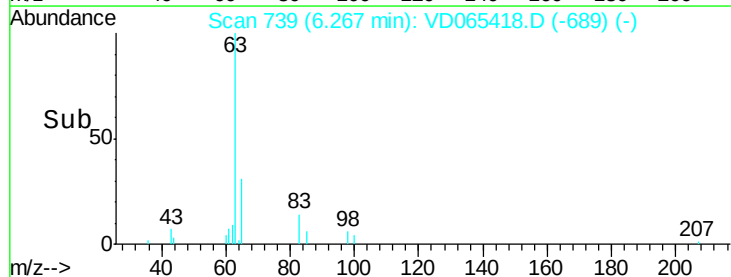
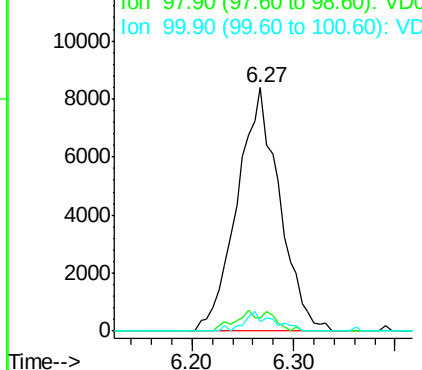
100 3.7 2.4 7.2

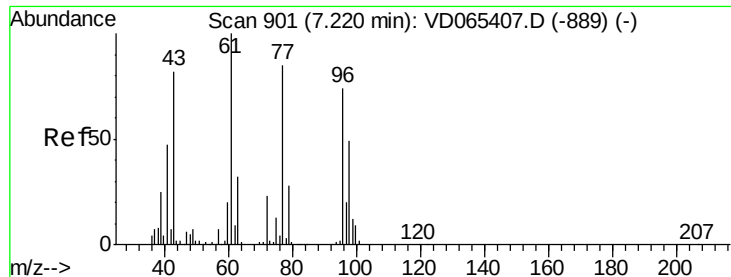


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 14.126 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 43 Resp: 15425

Ion Ratio Lower Upper

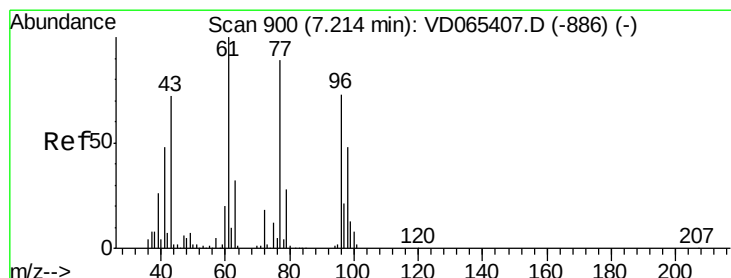
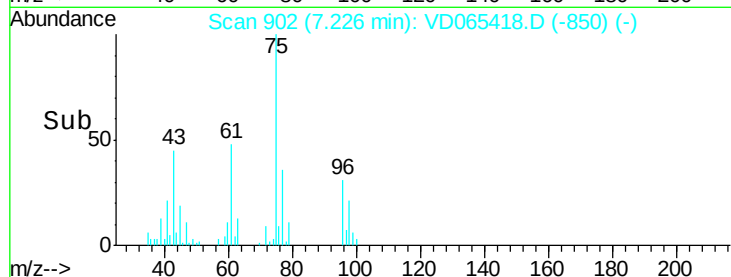
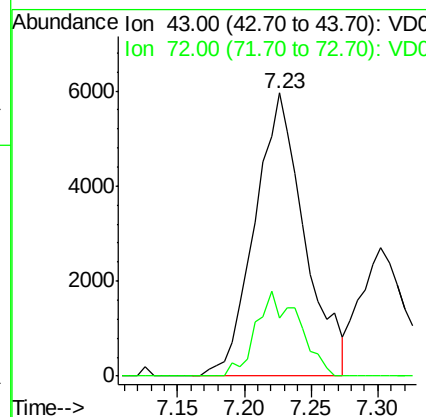
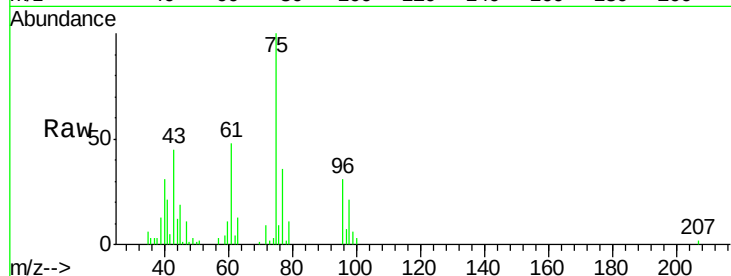
43 100

72 20.4 22.3 33.5#

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:39:14 PM



#26

2,2-Dichloropropane

Concen: 3.016 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065418.D

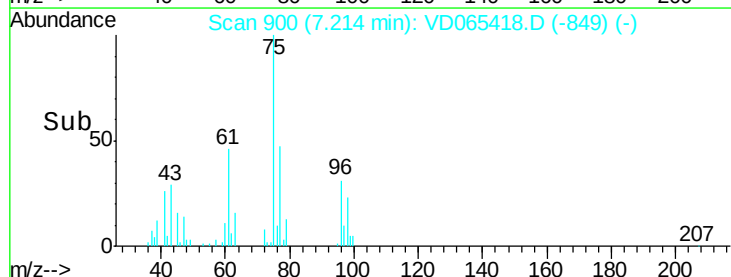
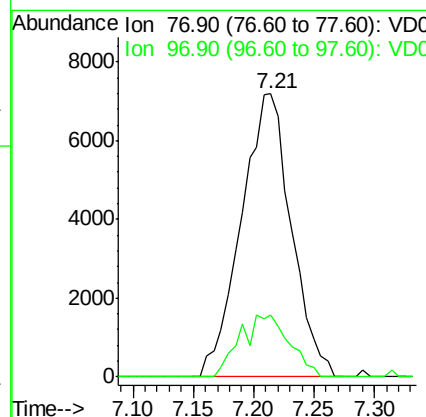
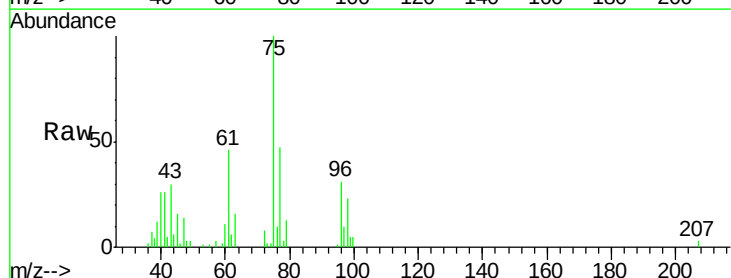
Acq: 04 Mar 2020 18:42

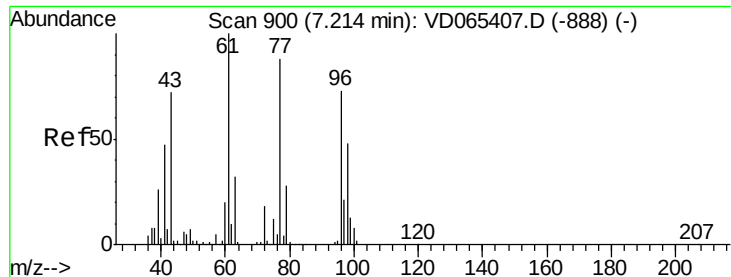
Tgt Ion: 77 Resp: 20712

Ion Ratio Lower Upper

77 100

97 21.5 11.8 35.4





#27

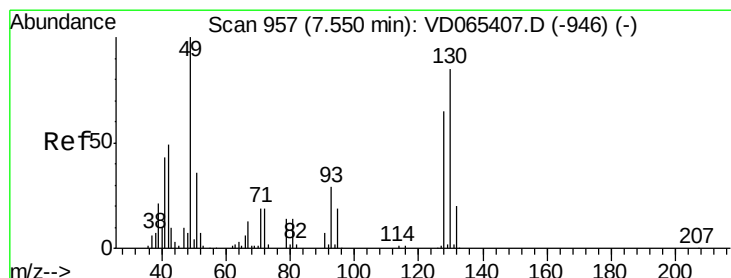
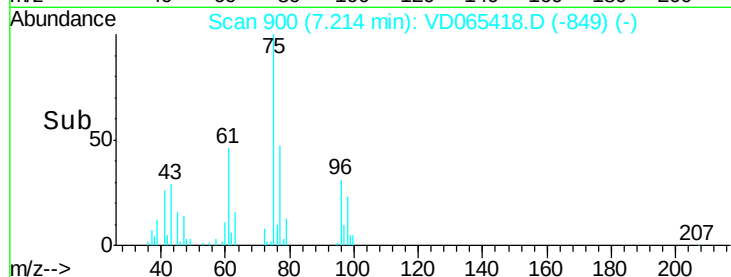
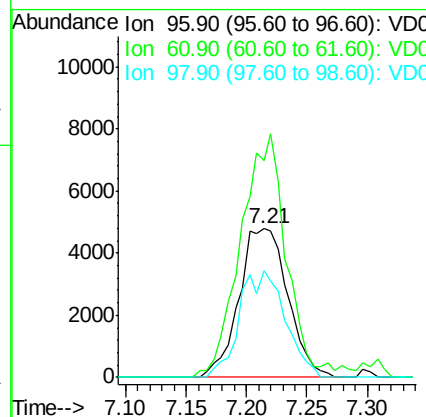
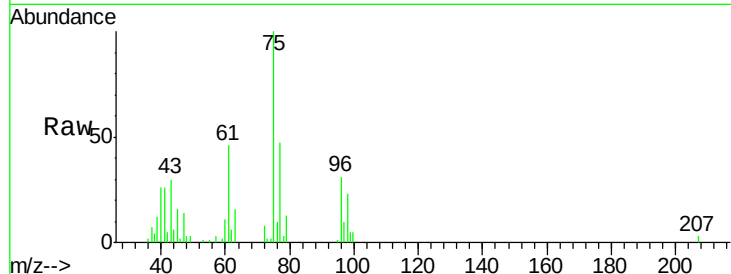
cis-1,2-Dichloroethene
Concen: 2.768 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	280.4
98	30.0	0.0	132.6

Manual Integrations
APPROVED

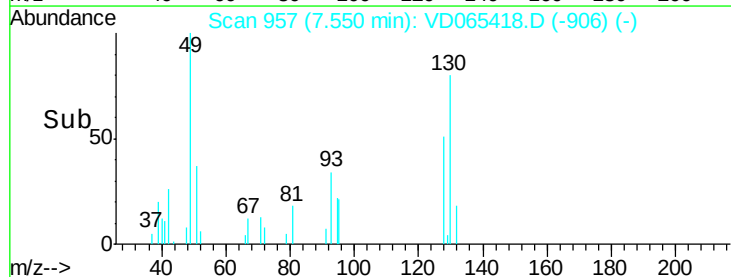
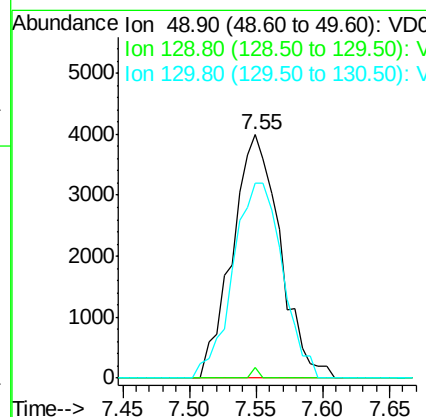
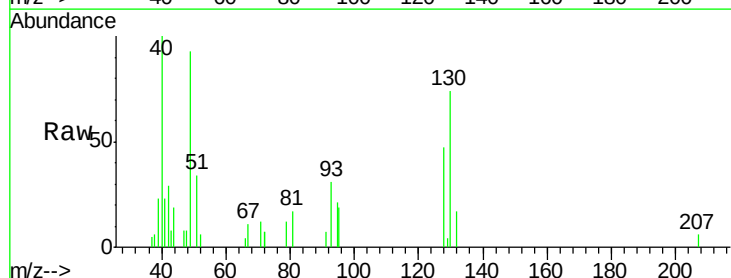
MMDadoda
3/5/2020 1:39:14 PM

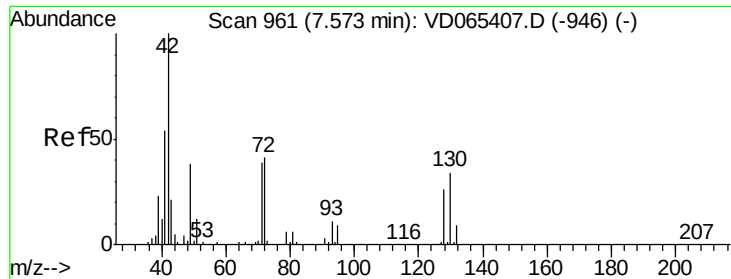


#28

Bromochloromethane
Concen: 3.148 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	83.3	66.6	100.0





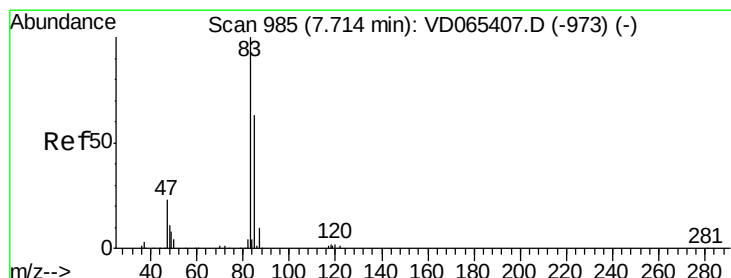
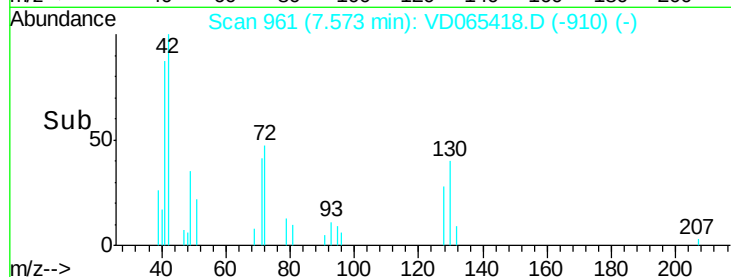
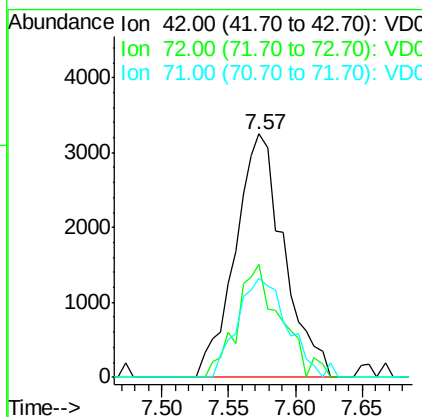
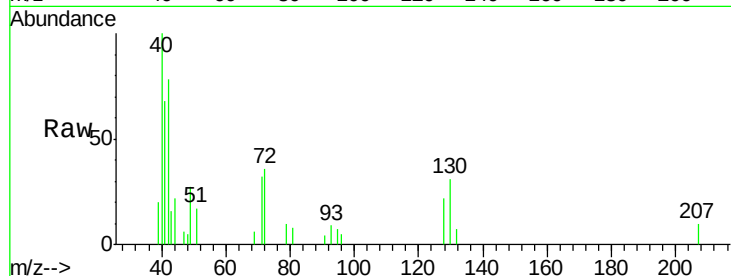
#29
Tetrahydrofuran
Concen: 11.759 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.0	49.6
71	41.4	32.0	48.0

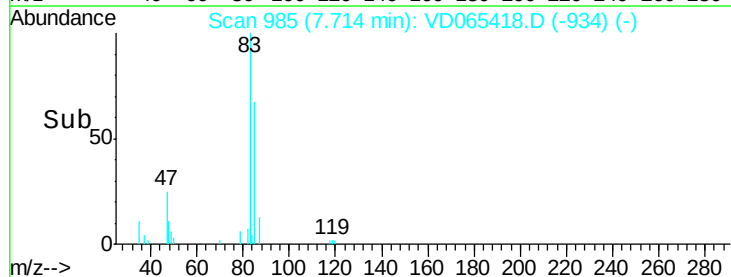
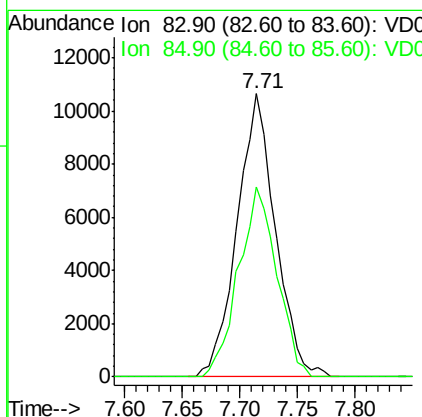
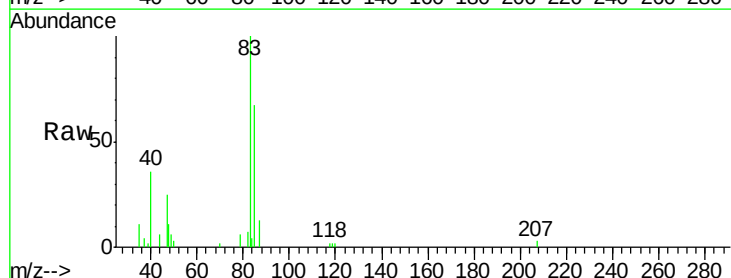
Manual Integrations
APPROVED

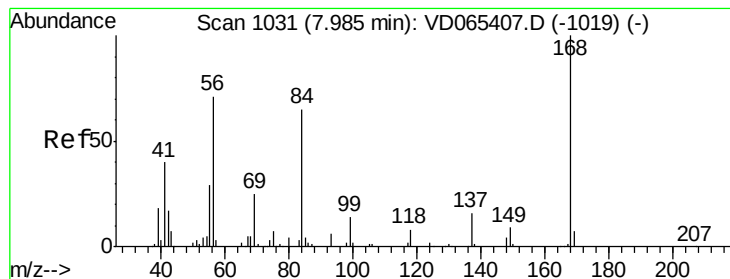
MMDadoda
3/5/2020 1:39:14 PM



#30
Chloroform
Concen: 3.123 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.3	75.5





#31

Cyclohexane

Concen: 3.675 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 56 Resp: 28877

Ion Ratio Lower Upper

56 100

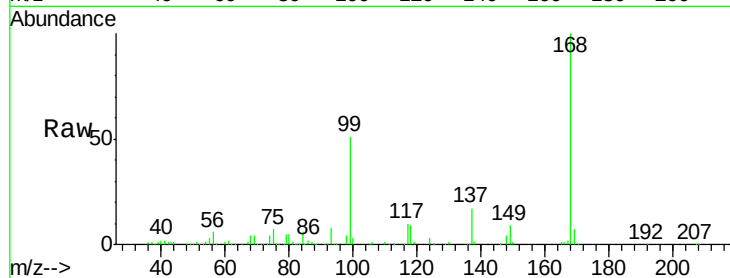
69 71.3 28.3 42.5#

84 106.2 73.1 109.7

Manual Integrations
APPROVED

MMDadoda

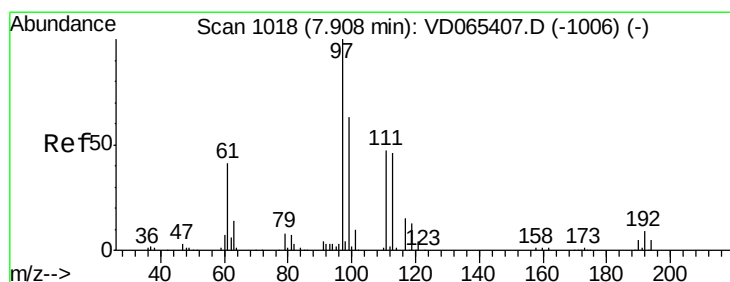
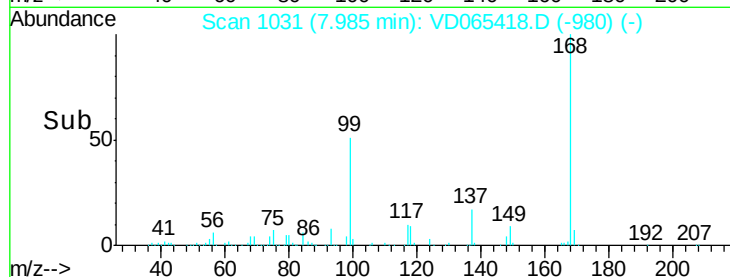
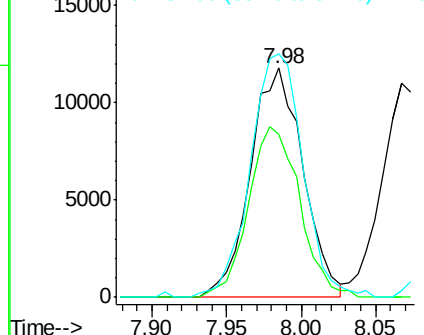
3/5/2020 1:39:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 2.860 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

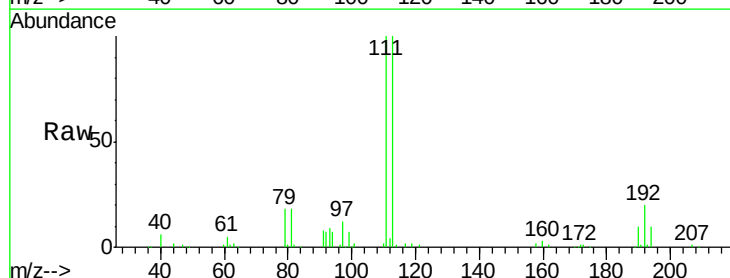
Tgt Ion: 97 Resp: 20759

Ion Ratio Lower Upper

97 100

99 61.4 50.9 76.3

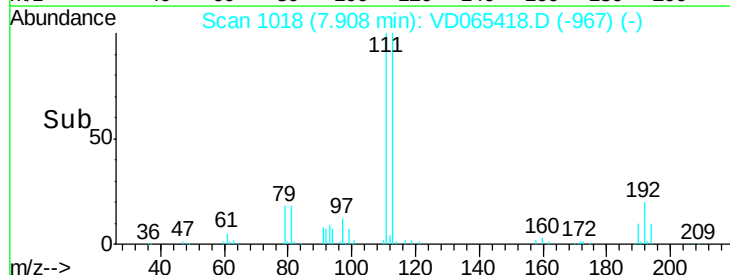
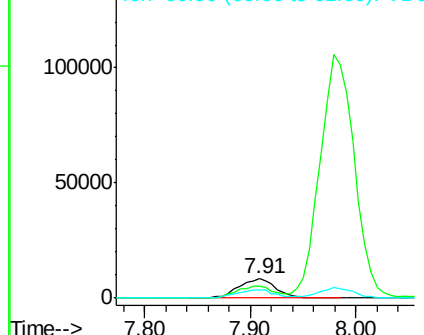
61 44.2 33.2 49.8

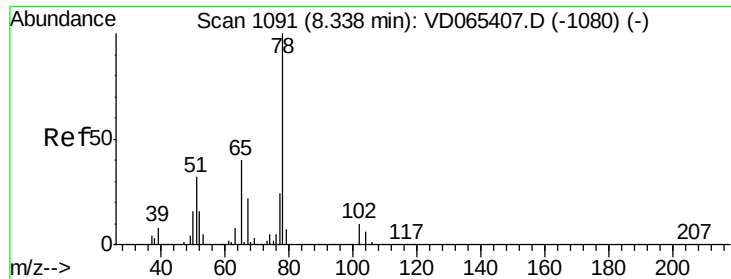


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





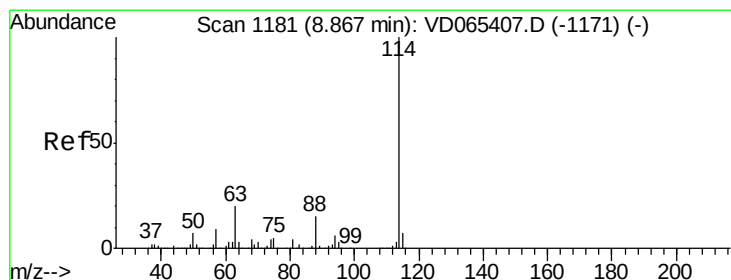
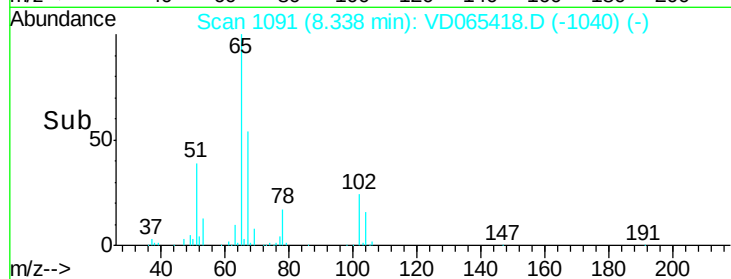
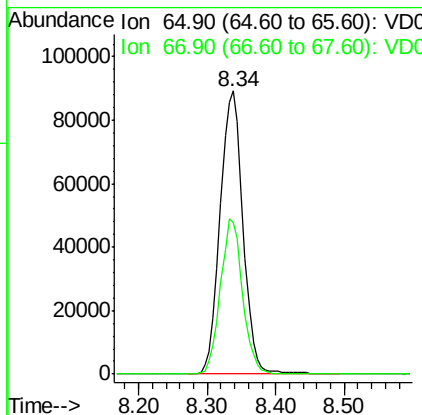
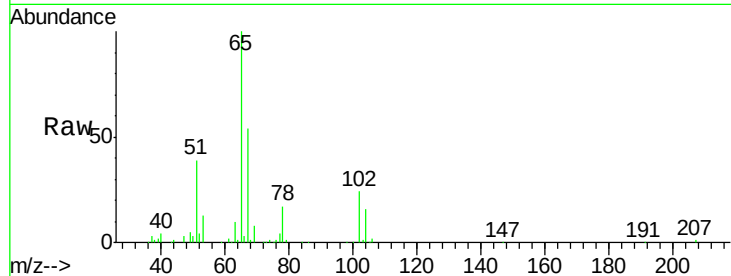
#33
 1,2-Dichloroethane-d4
 Concen: 52.184 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206470		
67	52.7	0.0	108.0	

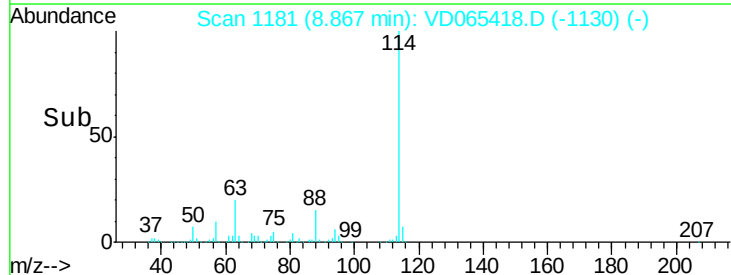
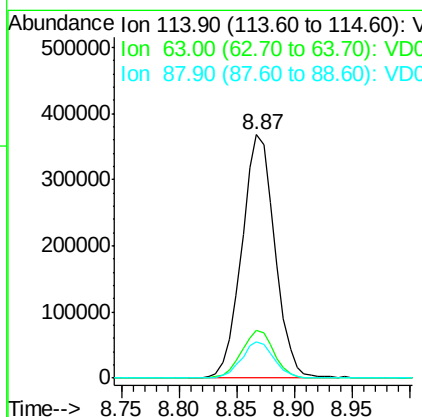
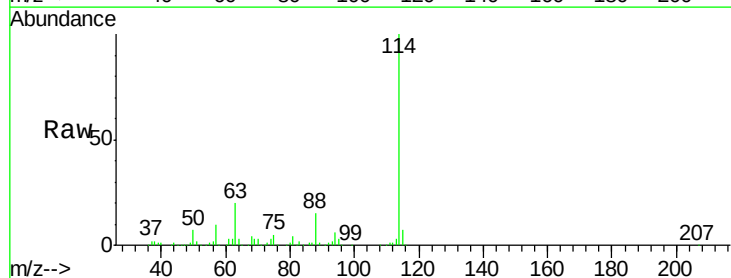
Manual Integrations
 APPROVED

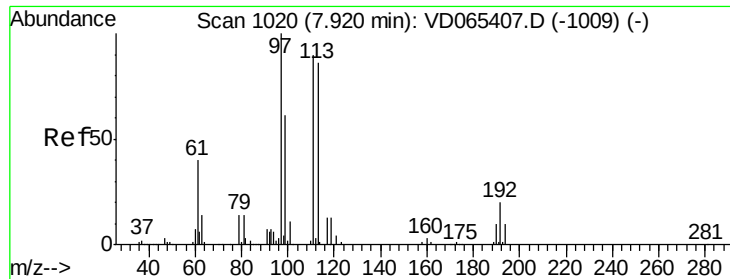
MMDadoda
 3/5/2020 1:39:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	732320		
63	19.8	0.0	39.6	
88	14.9	0.0	30.4	





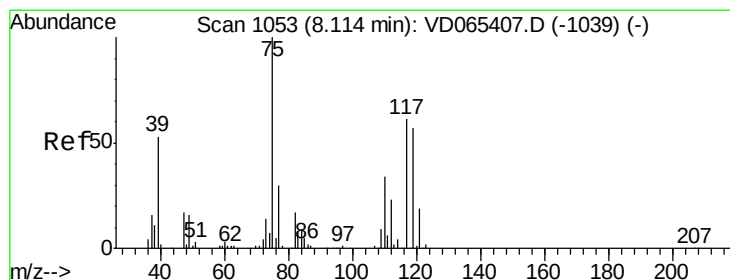
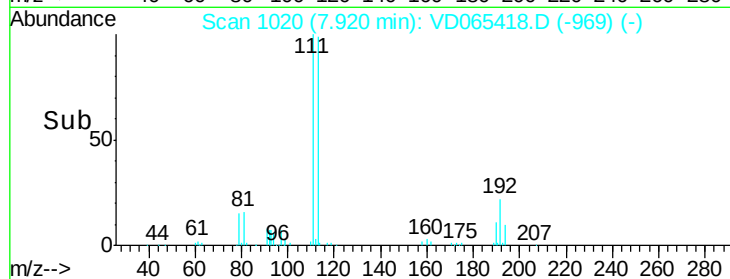
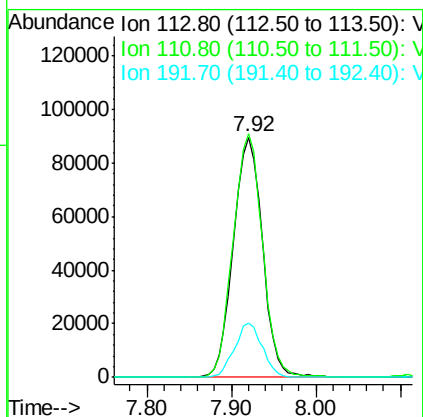
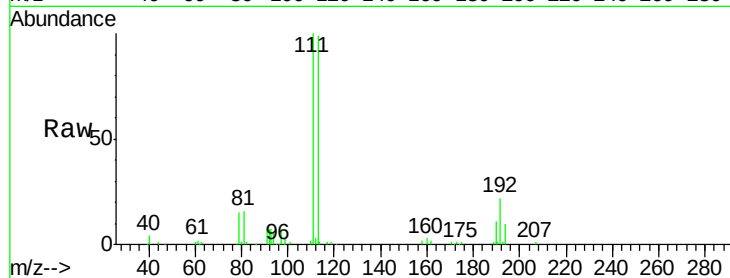
#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	21.7	17.2	25.8

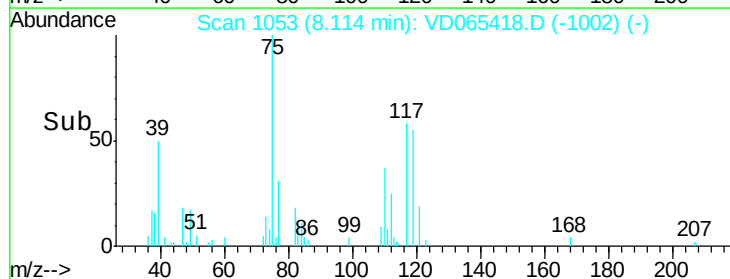
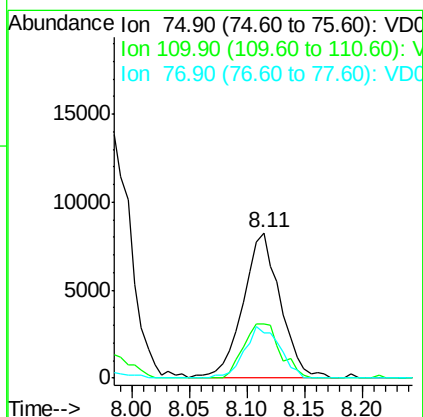
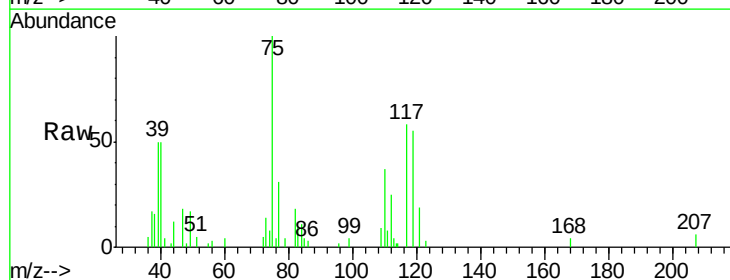
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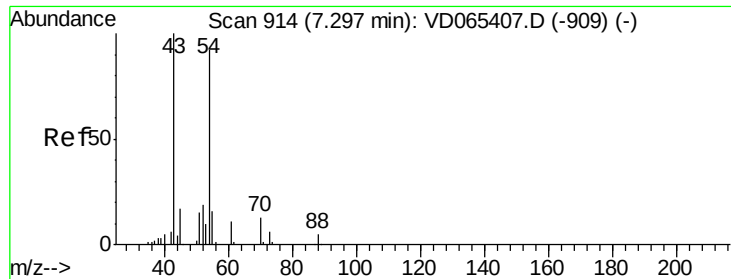
MMDadoda
3/5/2020 1:39:14 PM



#36
1,1-Dichloropropene
Concen: 2.642 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	33.8	25.2	37.8





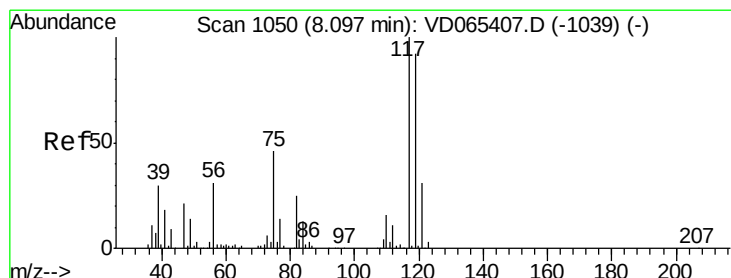
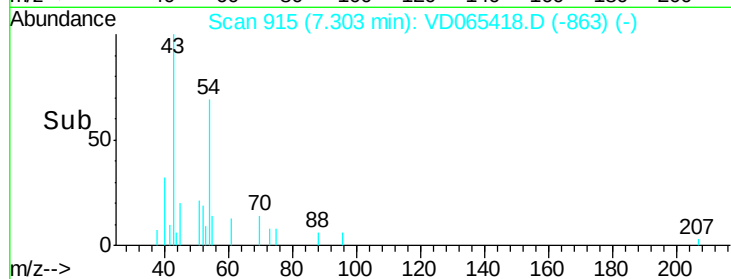
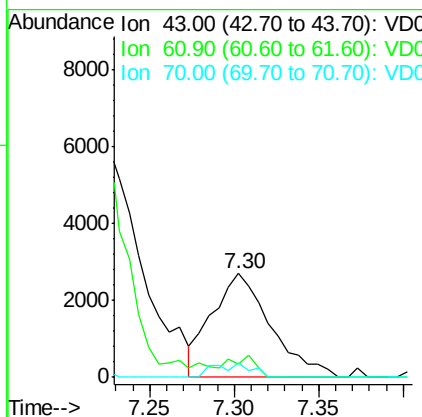
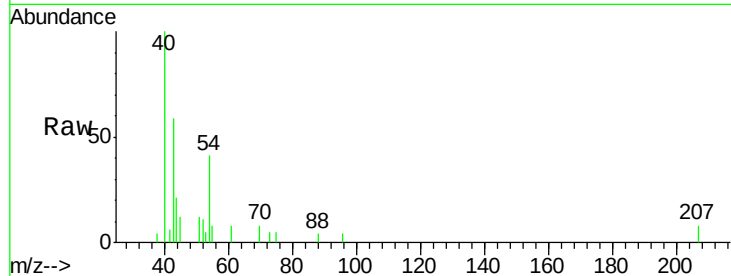
#37
Ethyl Acetate
Concen: 2.410 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	4.4	9.0	13.4#

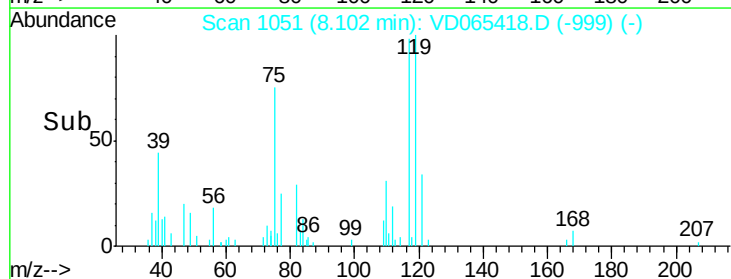
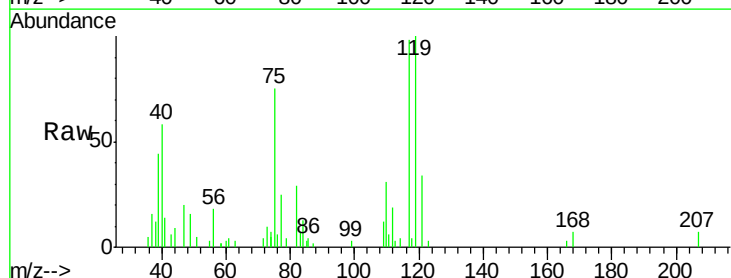
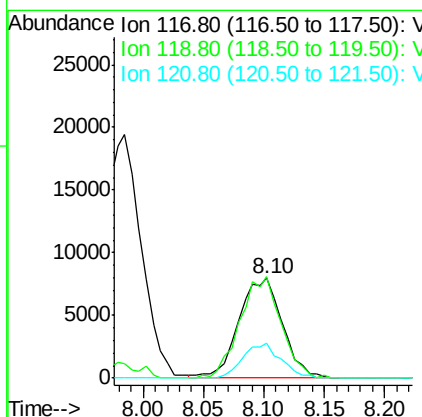
Manual Integrations
APPROVED

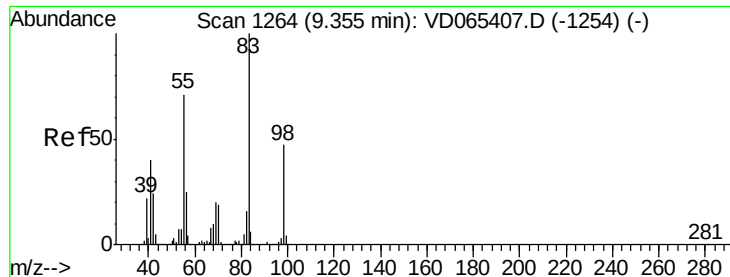
MMDadoda
3/5/2020 1:39:14 PM



#38
Carbon Tetrachloride
Concen: 2.760 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	73.3	109.9
121	34.5	25.0	37.4





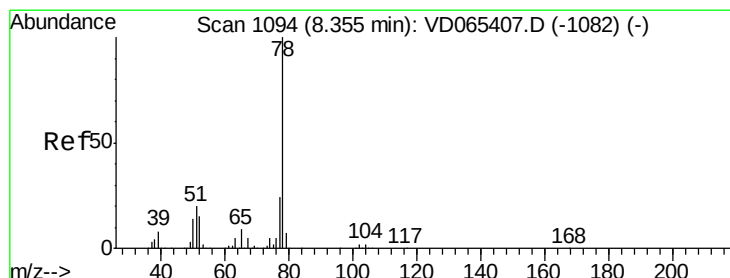
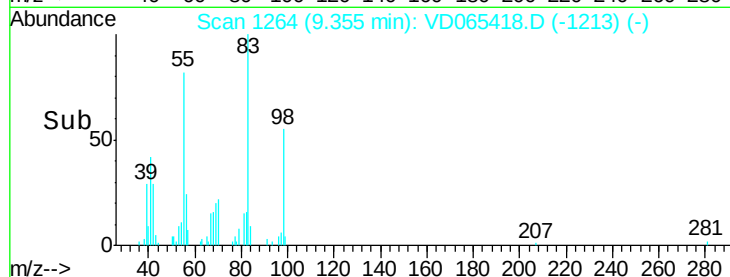
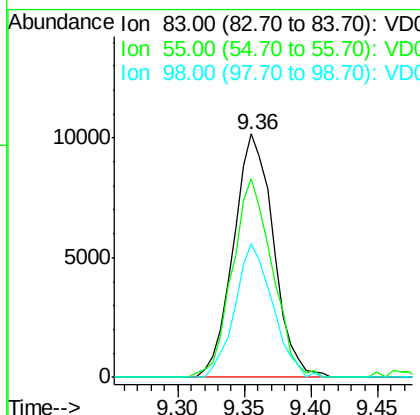
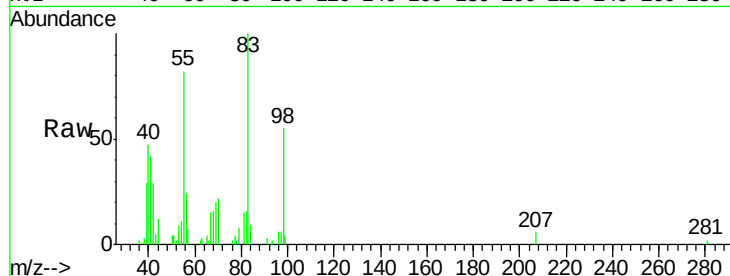
#39
Methylvlcyclohexane
Concen: 2.495 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	57.1	85.7
98	54.7	37.8	56.8

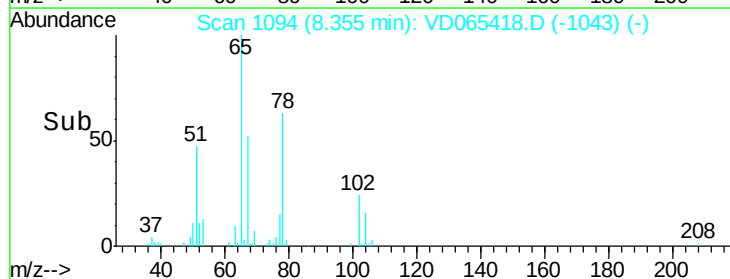
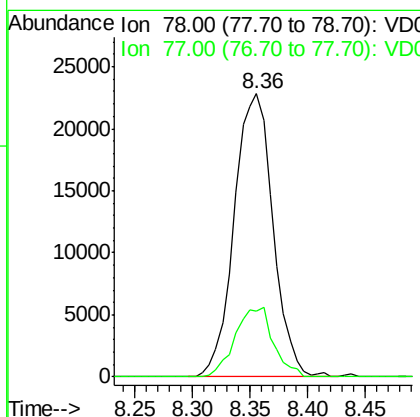
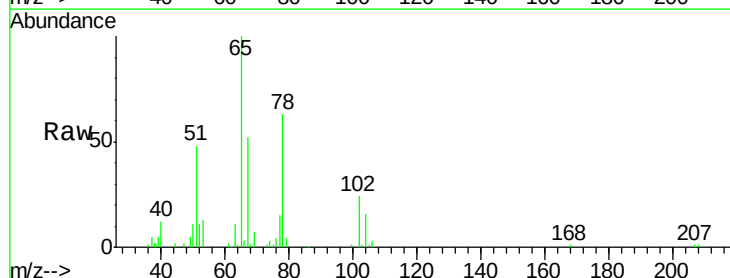
Manual Integrations
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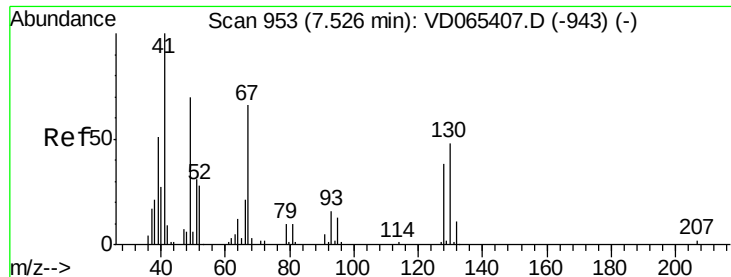
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3/5/2020 1:39:14 PM



#40
Benzene
Concen: 2.709 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.0





#41

Methacrylonitrile

Concen: 2.674 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 41 Resp: 3837

Ion Ratio Lower Upper

41 100

39 38.8 55.0 82.6#

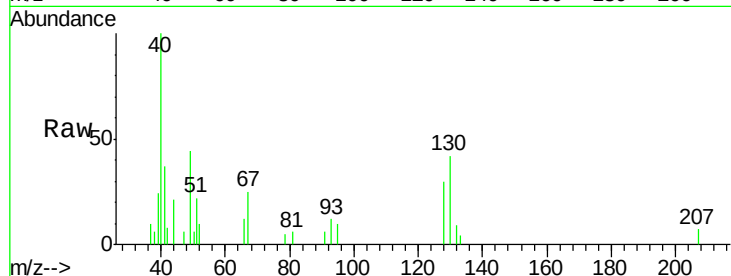
67 69.9 70.3 105.5#

52 27.9 30.7 46.1#

Manual Integrations
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MMDadoda

3/5/2020 1:39:14 PM

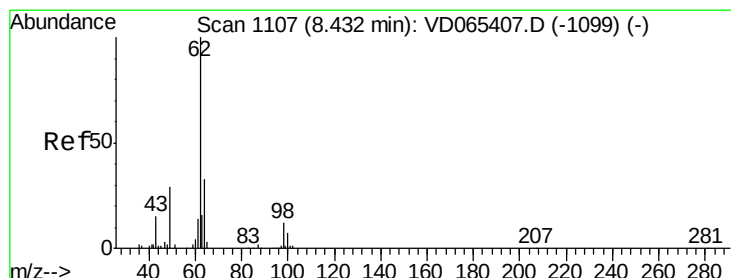
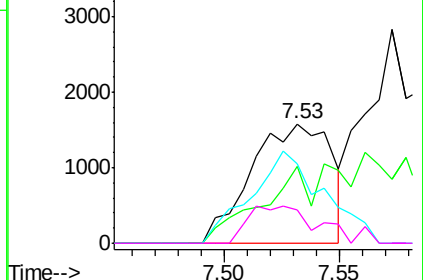
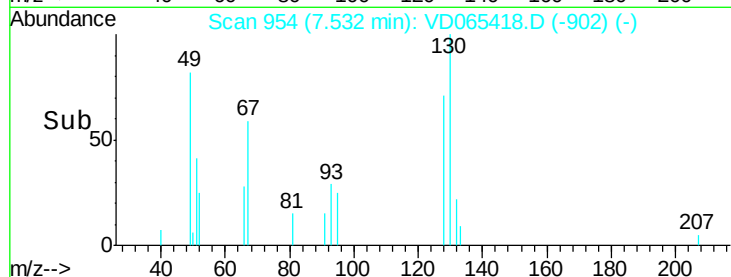


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 2.828 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065418.D

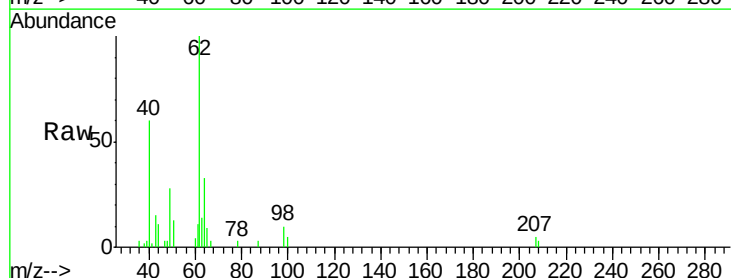
Acq: 04 Mar 2020 18:42

Tgt Ion: 62 Resp: 14495

Ion Ratio Lower Upper

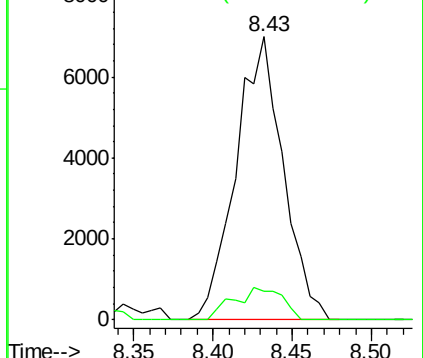
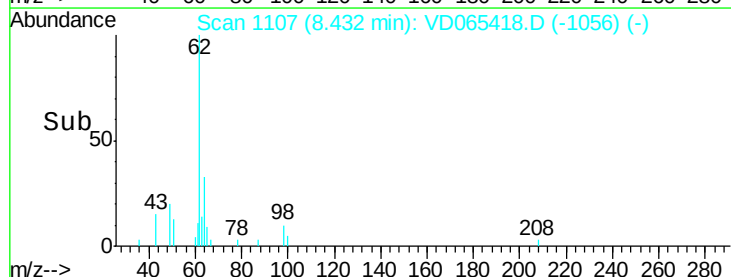
62 100

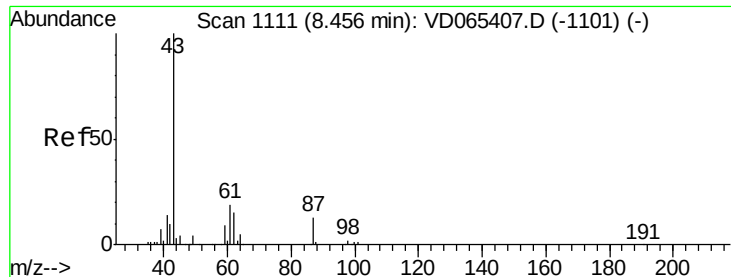
98 11.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





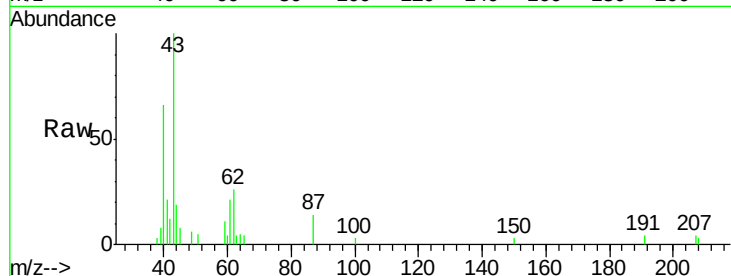
#43
Isopropyl Acetate
Concen: 2.487 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

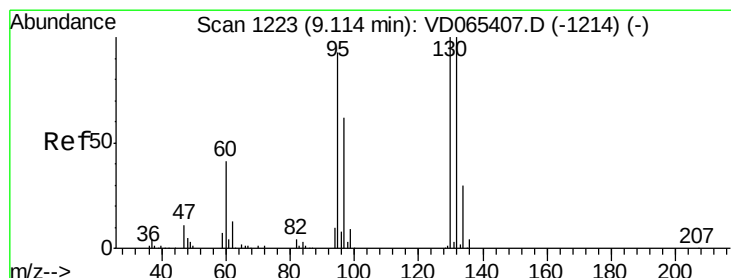
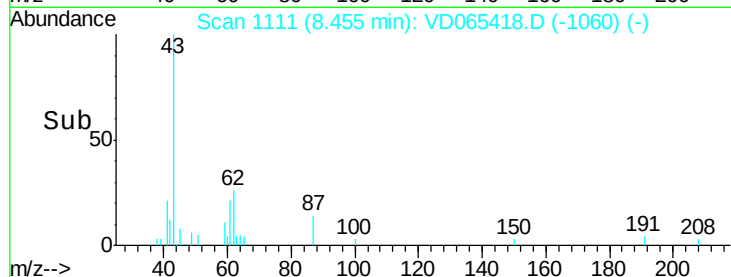
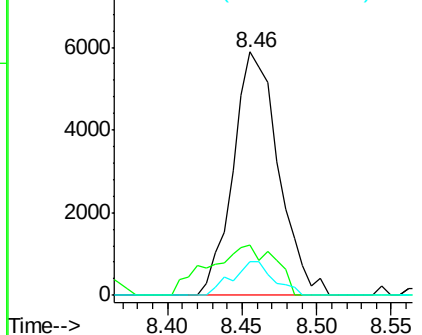
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	25.0	37.6
87	12.4	11.0	16.4

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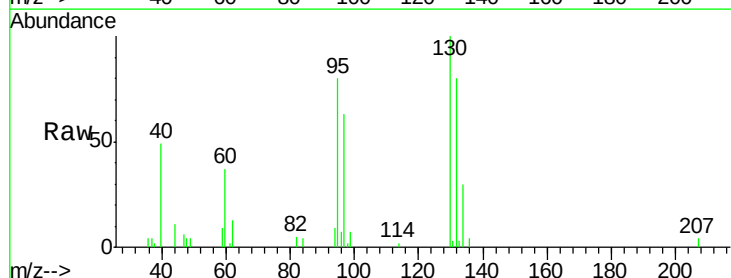


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

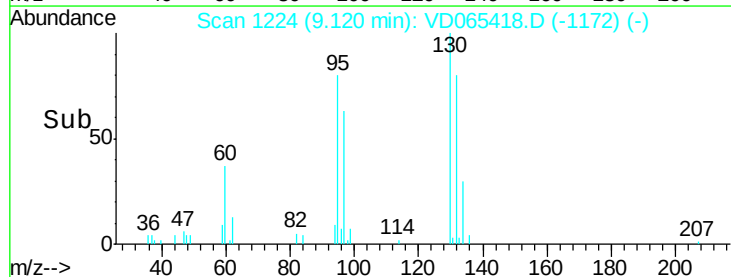
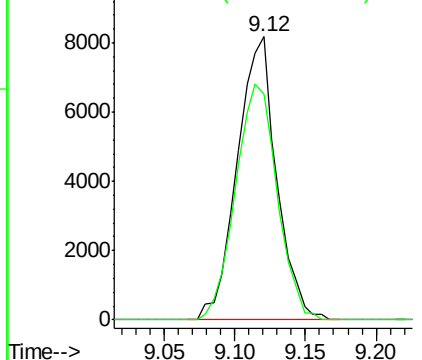


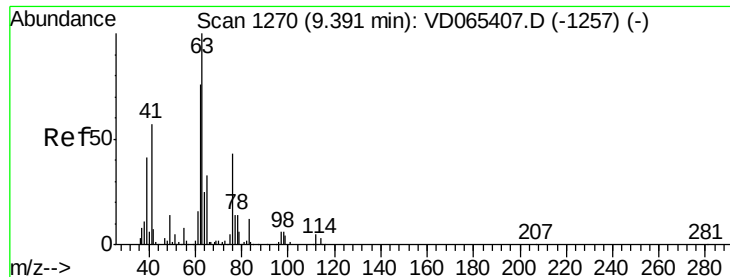
#44
Trichloroethene
Concen: 2.883 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.7	0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





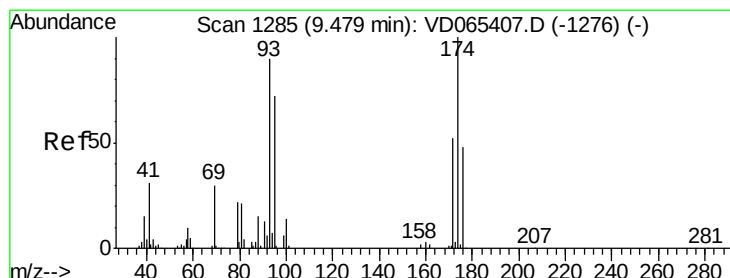
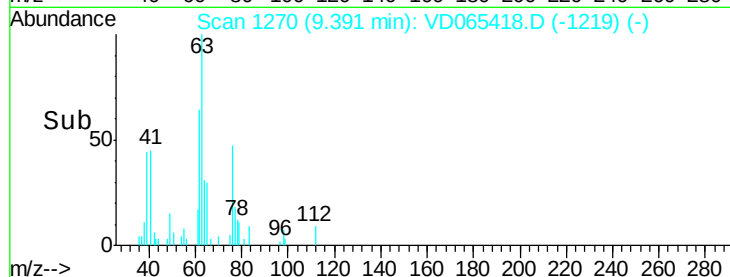
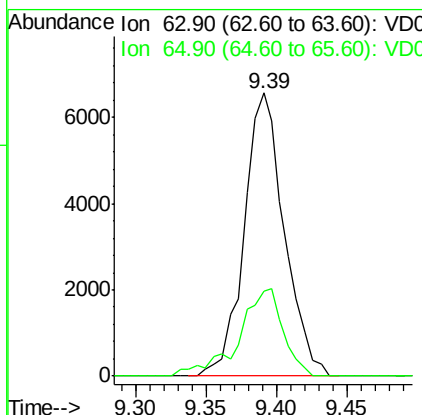
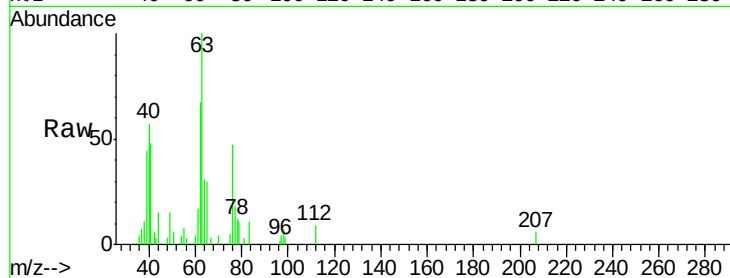
#45
 1,2-Dichloropropane
 Concen: 2.749 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	26.4	39.6

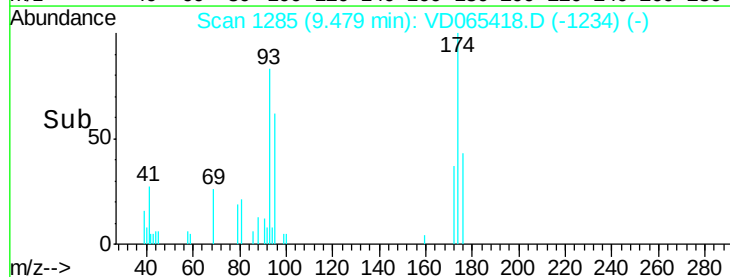
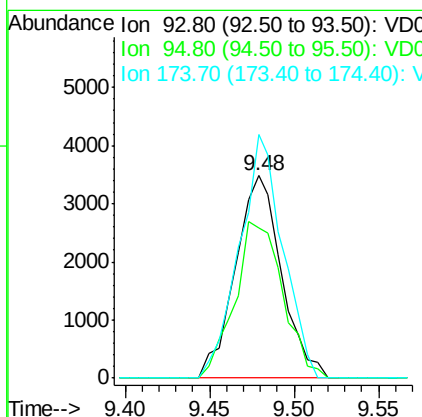
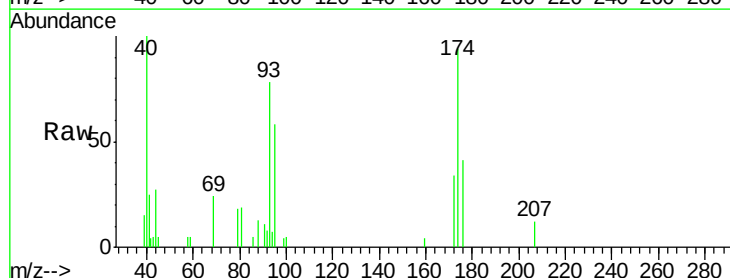
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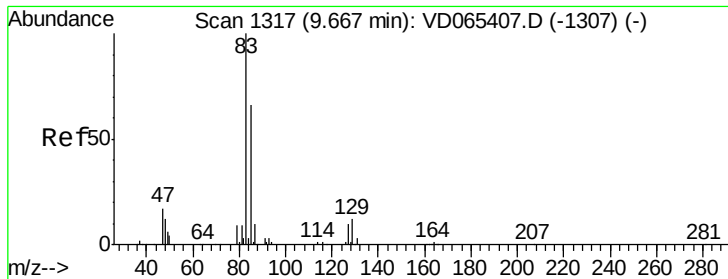
MMDadoda
 3/5/2020 1:39:14 PM



#46
 Dibromomethane
 Concen: 2.680 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.0	97.6
174	113.6	88.3	132.5





#47

Bromodichloromethane

Concen: 2.757 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

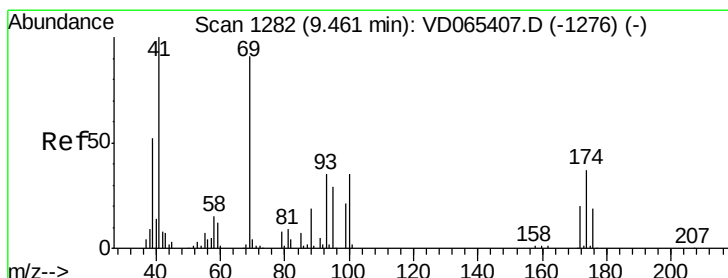
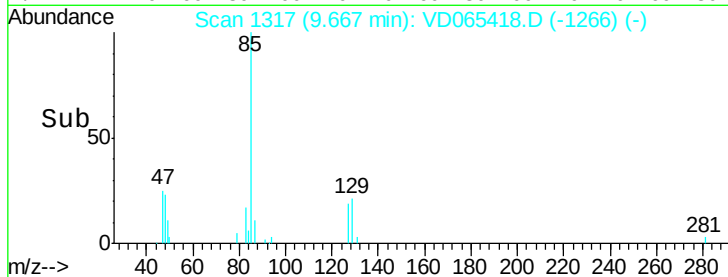
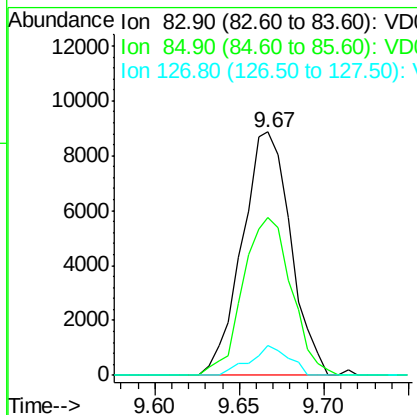
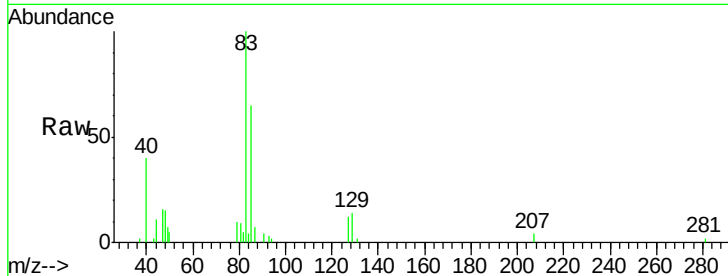
ClientSampleId :

VD0305

Tot Ion:	83	Resp:	17690
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.8	79.2
127	12.0	8.0	12.0#

Manual Integrations
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MMDadoda
3/5/2020 1:39:14 PM



#48

Methyl methacrylate

Concen: 2.157 ug/l

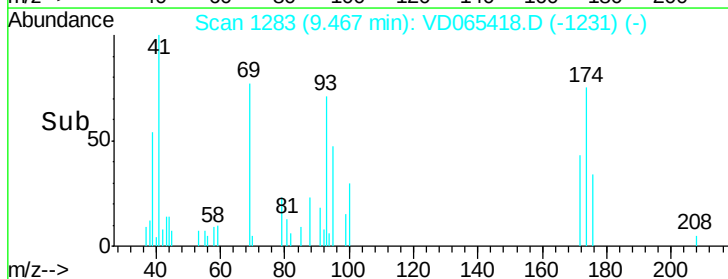
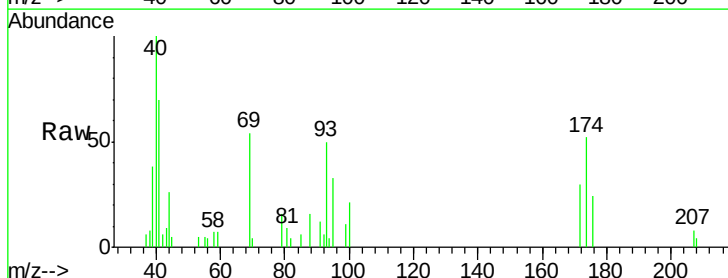
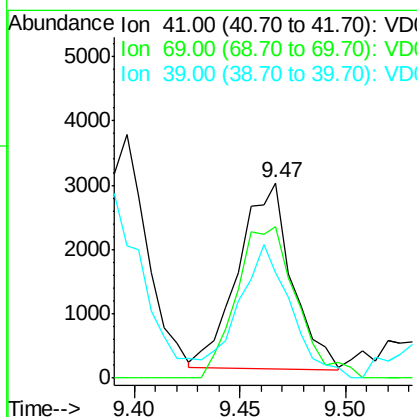
RT: 9.47 min Scan# 1283

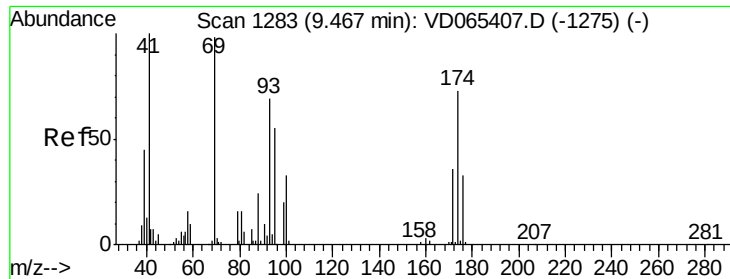
Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion:	41	Resp:	5084
Ion	Ratio	Lower	Upper
41	100		
69	91.3	72.5	108.7
39	70.0	41.6	62.4#





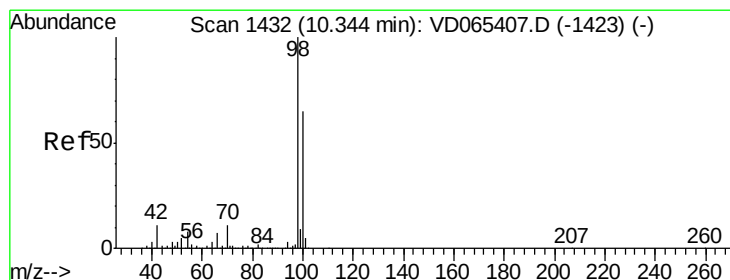
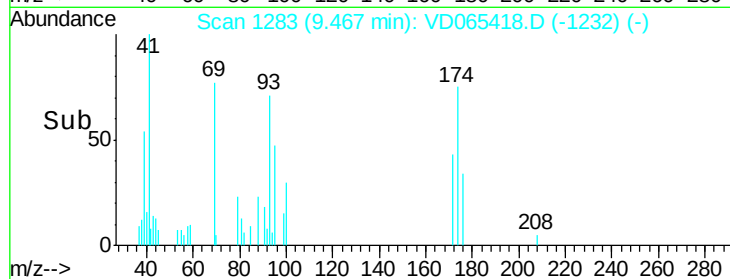
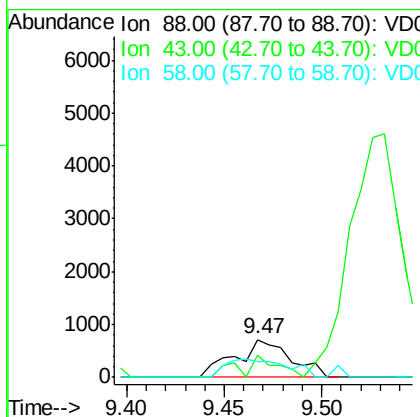
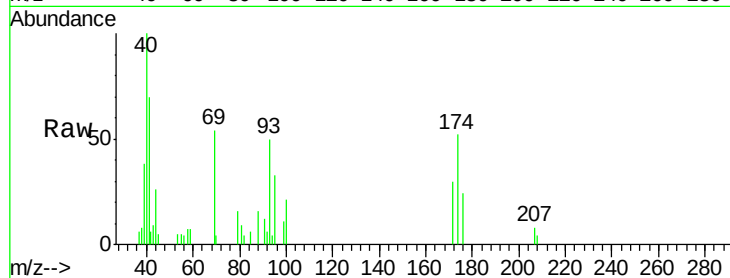
#49
1,4-Dioxane
Concen: 50.127 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	88	Resp	1414
Ion	Ratio	Lower	Upper
88	100		
43	25.6	24.5	36.7
58	53.7	54.5	81.7#

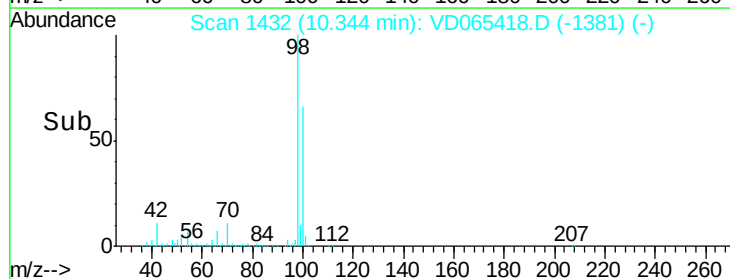
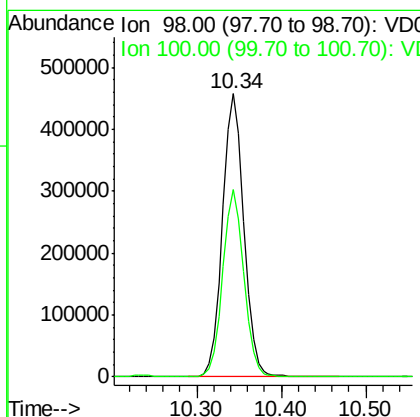
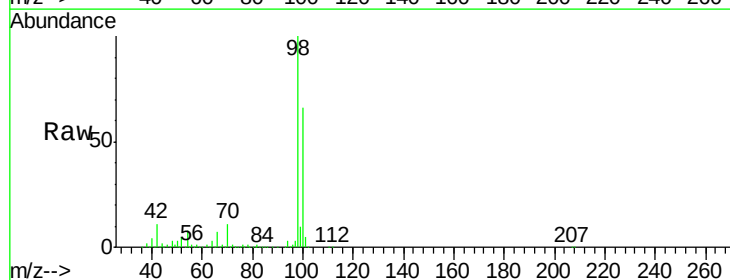
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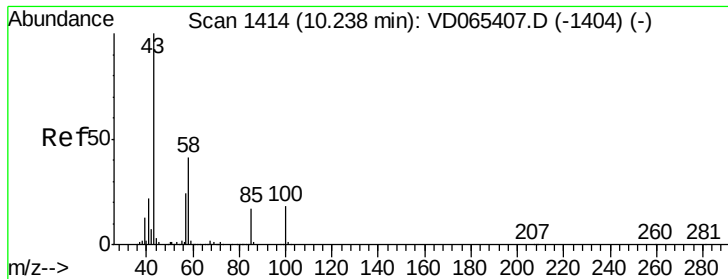
MMDadoda
3/5/2020 1:39:14 PM



#50
Toluene-d8
Concen: 46.131 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	98	Resp	801480
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.8	79.2





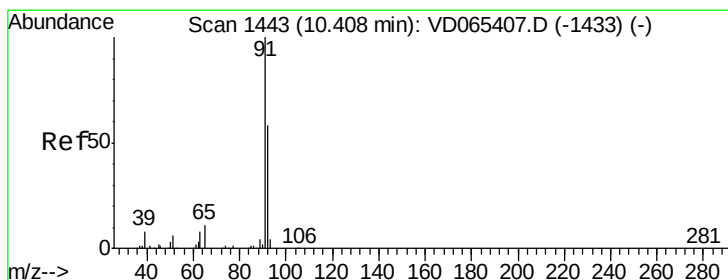
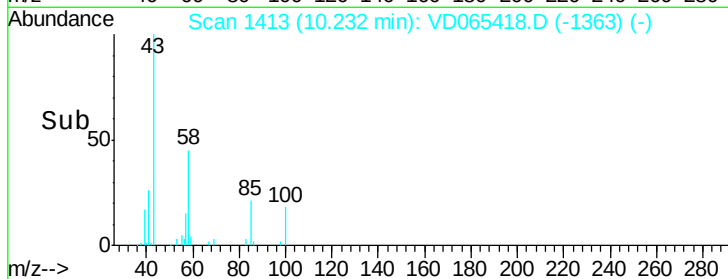
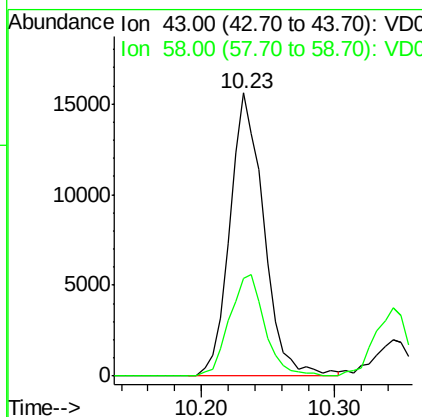
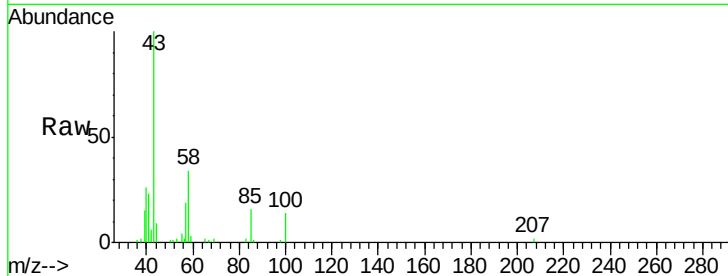
#51
4-Methyl-2-Pentanone
Concen: 10.935 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	43	Resp	27567
Ion Ratio	100	Lower	Upper
43	100		
58	37.1	31.8	47.6

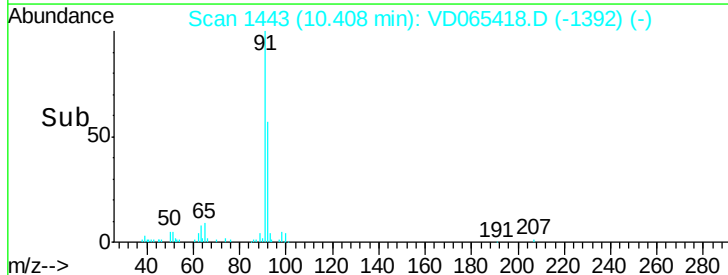
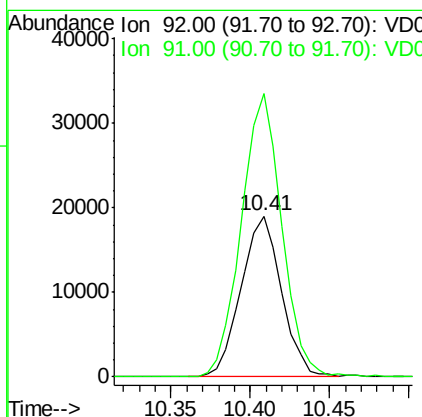
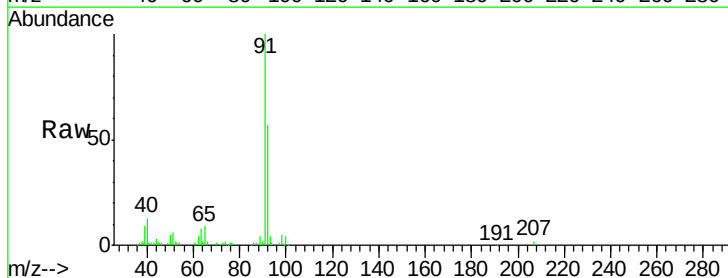
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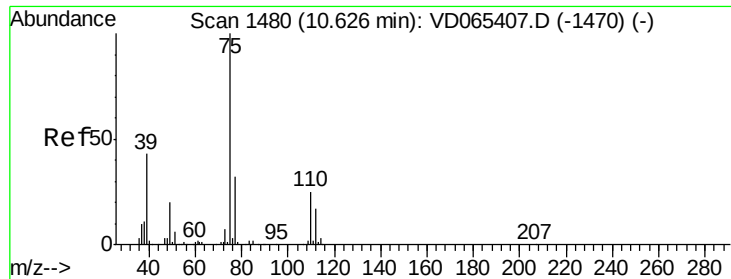
MMDadoda
3/5/2020 1:39:14 PM



#52
Toluene
Concen: 2.719 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	92	Resp	33615
Ion Ratio	100	Lower	Upper
92	100		
91	177.4	137.8	206.8





#53

t-1,3-Dichloropropene

Concen: 2.543 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 75 Resp: 15247

Ion Ratio Lower Upper

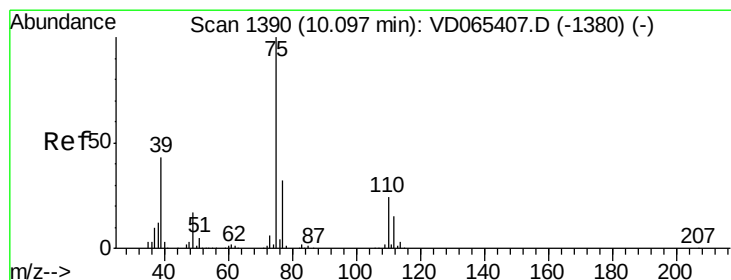
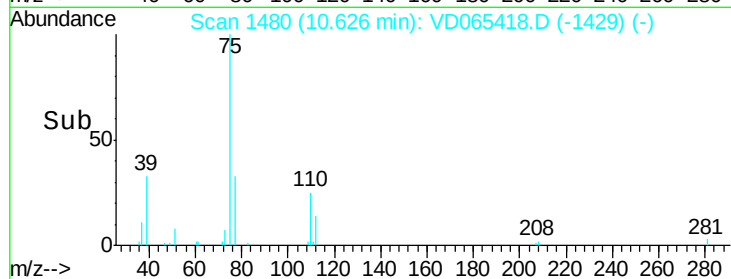
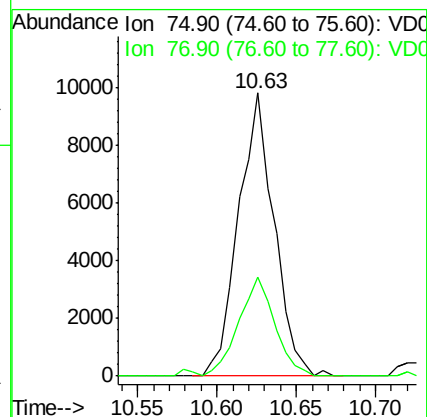
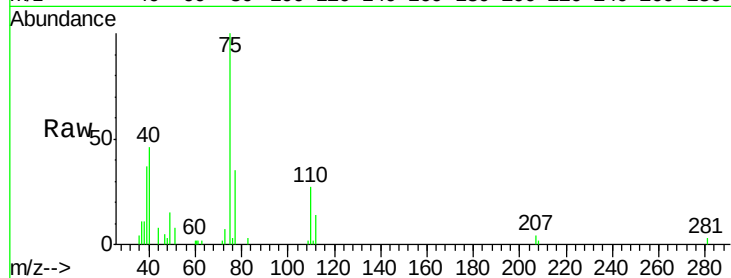
75 100

77 34.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 2.390 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

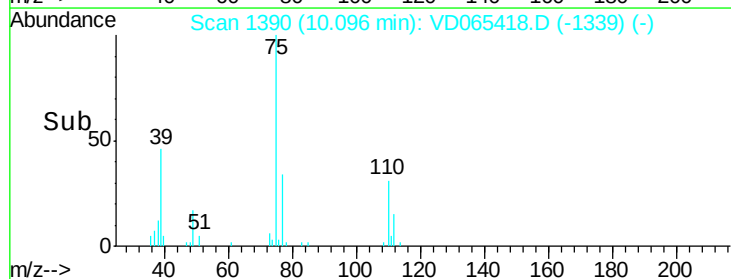
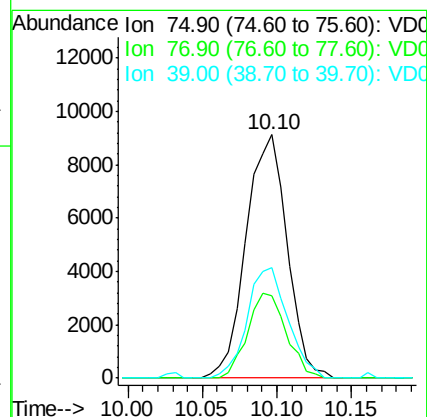
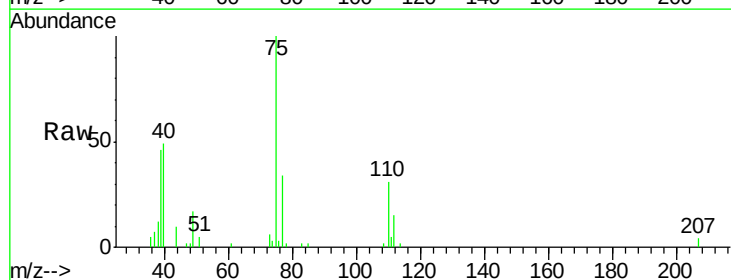
Tgt Ion: 75 Resp: 17346

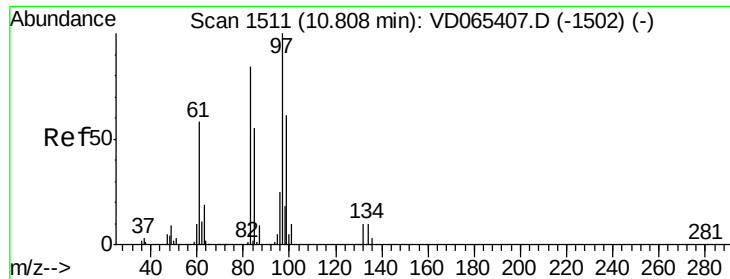
Ion Ratio Lower Upper

75 100

77 33.8 25.3 37.9

39 45.6 34.6 52.0





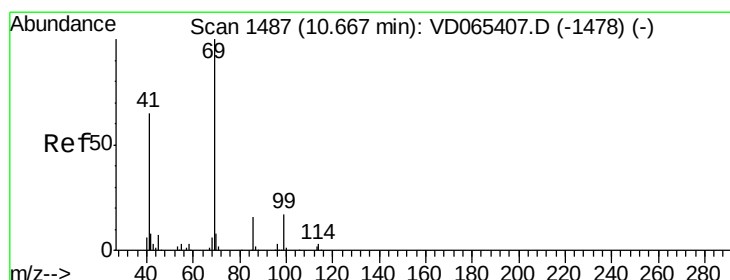
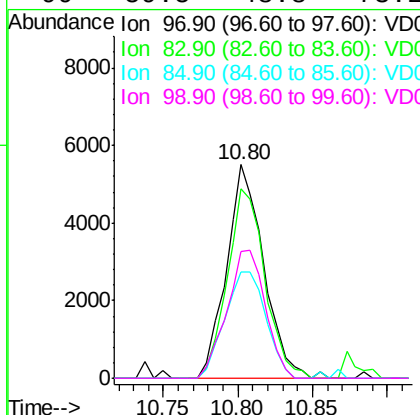
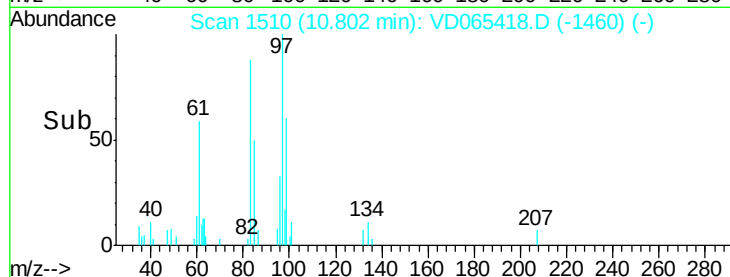
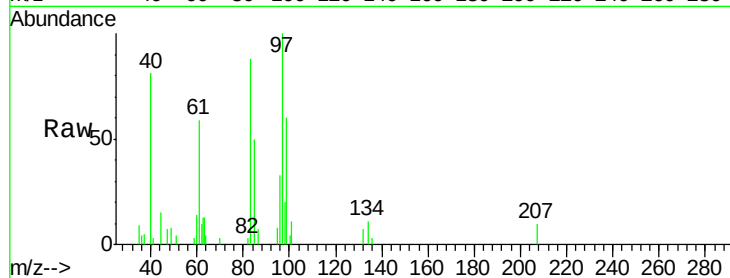
#55
 1,1,2-Trichloroethane
 Concen: 2.738 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion:	97	Resp:	9563
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.4	101.0
85	49.9	43.8	65.8
99	59.5	48.8	73.2

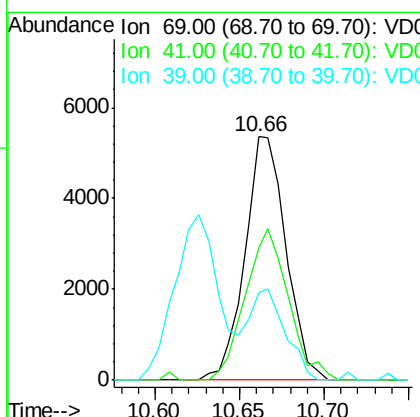
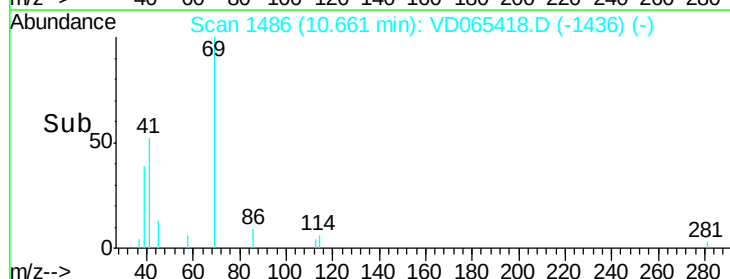
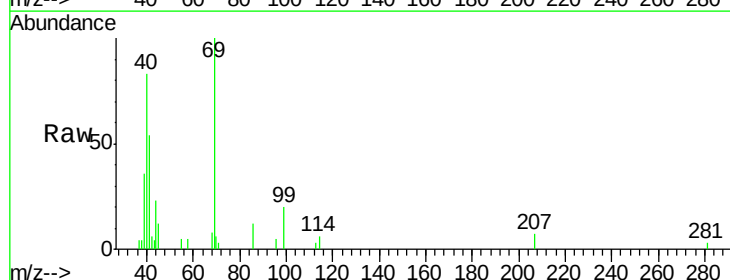
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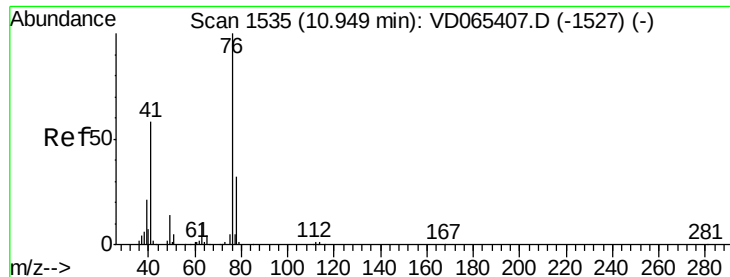
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 3/5/2020 1:39:14 PM



#56
 Ethyl methacrylate
 Concen: 2.304 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion:	69	Resp:	9072
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.0	79.6
39	32.8	26.0	39.0





#57

1,3-Dichloropropane

Concen: 2.570 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 76 Resp: 15186

Ion Ratio Lower Upper

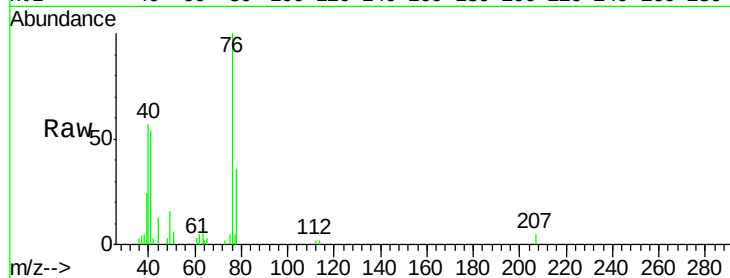
76 100

78 35.5 26.0 39.0

Manual Integrations
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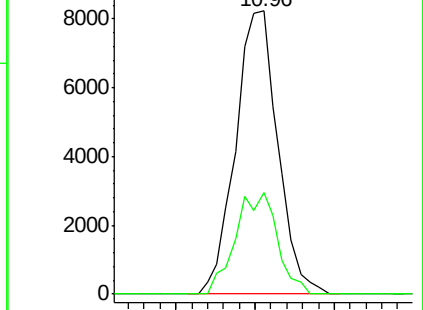
MMDadoda

3/5/2020 1:39:14 PM

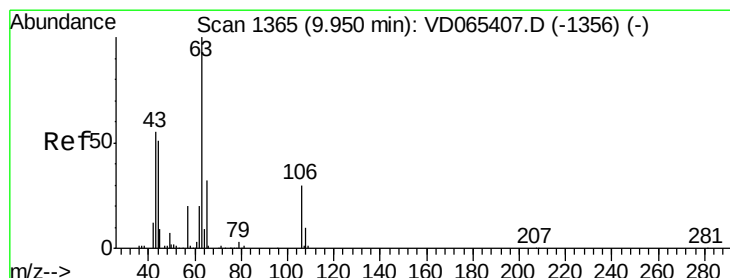
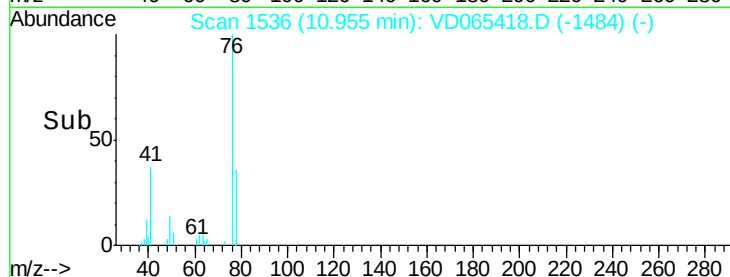


Abundance Ion 75.90 (75.60 to 76.60): VD065407.D (-1527) (-)

Ion 77.90 (77.60 to 78.60): VD065407.D (-1527) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 9.866 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065418.D

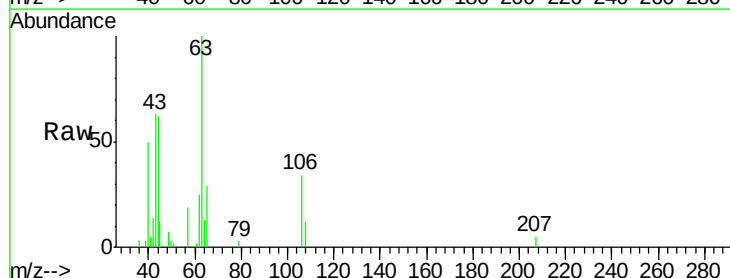
Acq: 04 Mar 2020 18:42

Tgt Ion: 63 Resp: 12528

Ion Ratio Lower Upper

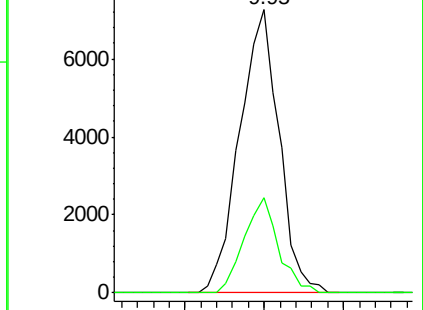
63 100

106 29.2 23.3 34.9

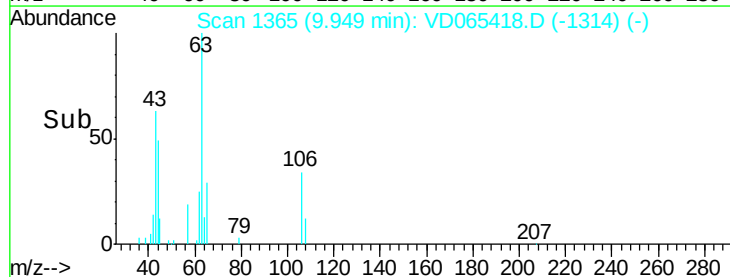


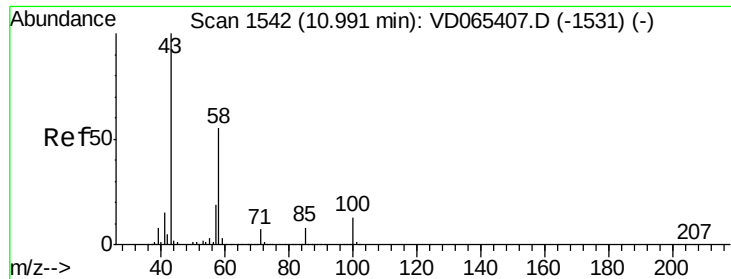
Abundance Ion 62.90 (62.60 to 63.60): VD065407.D (-1356) (-)

Ion 105.90 (105.60 to 106.60): VD065407.D (-1356) (-)



Time-->





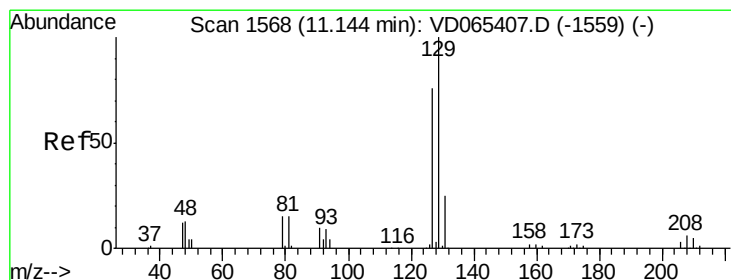
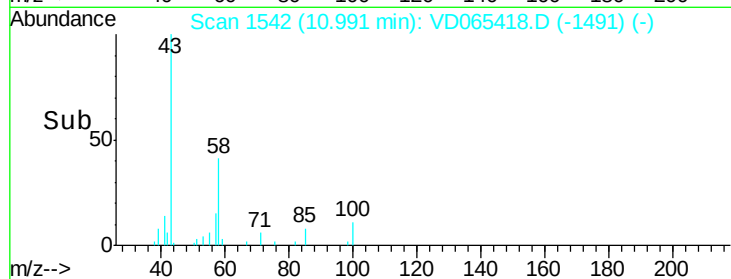
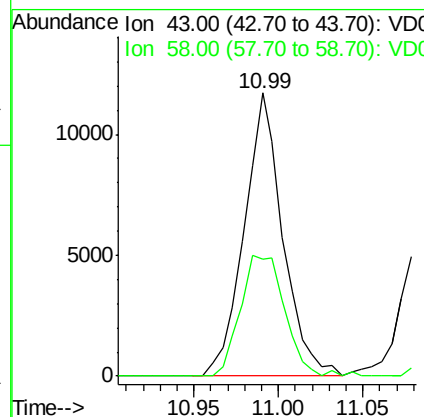
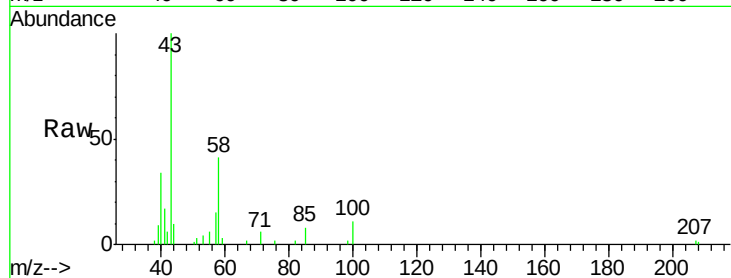
#59
2-Hexanone
Concen: 10.677 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion	43	Resp	18634
Ion Ratio	43	100	
Lower	58	48.2	27.4
Upper			82.2

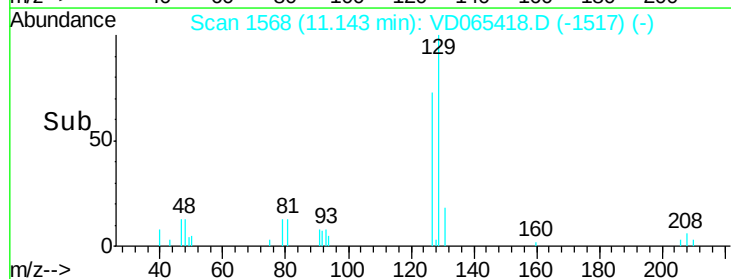
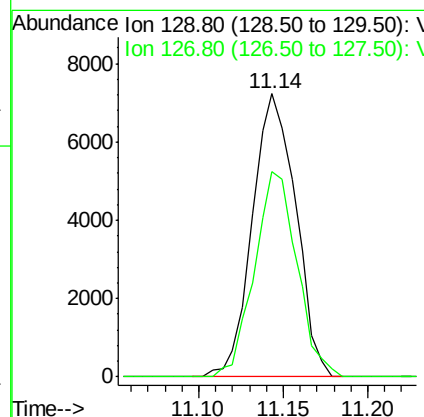
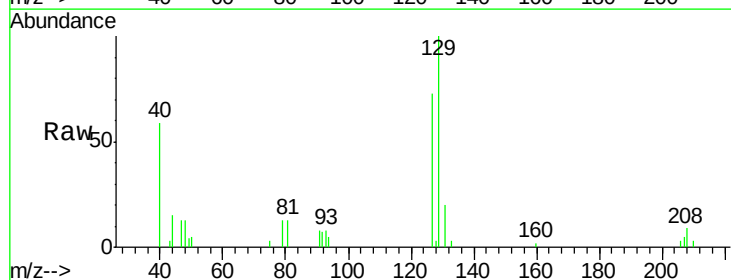
Manual Integrations
APPROVED

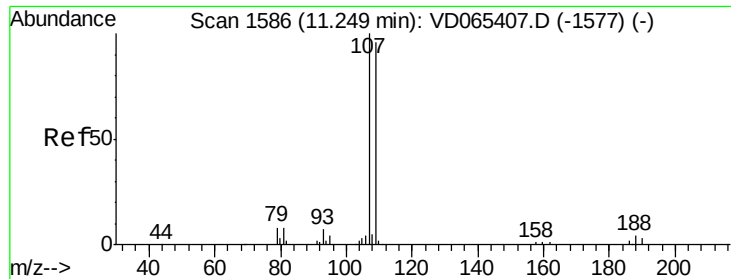
MMDadoda
3/5/2020 1:39:14 PM



#60
Dibromochloromethane
Concen: 2.883 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	129	Resp	12906
Ion Ratio	129	100	
Lower	127	71.1	38.5
Upper			115.5





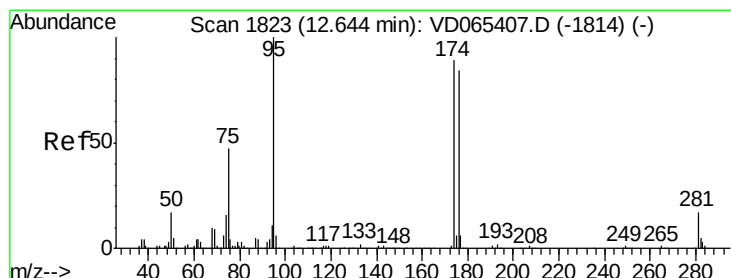
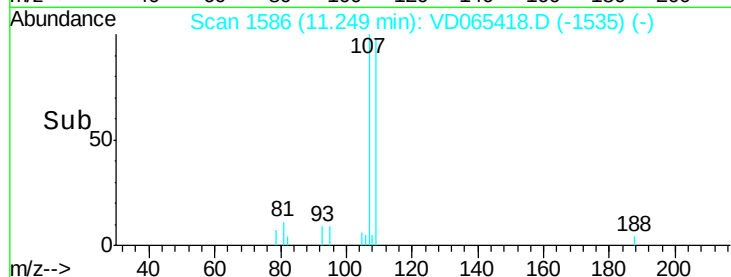
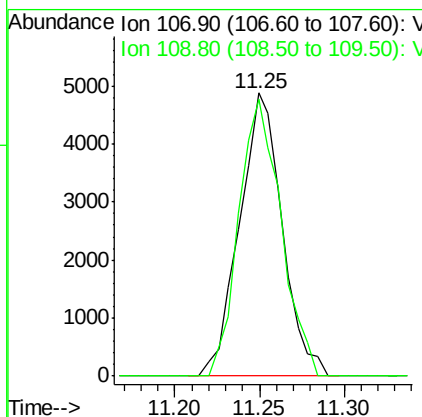
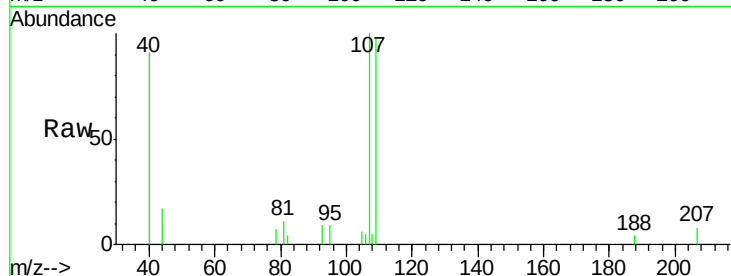
#61
 1,2-Dibromoethane
 Concen: 2.575 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion: 107 Resp: 8579
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.8 115.2

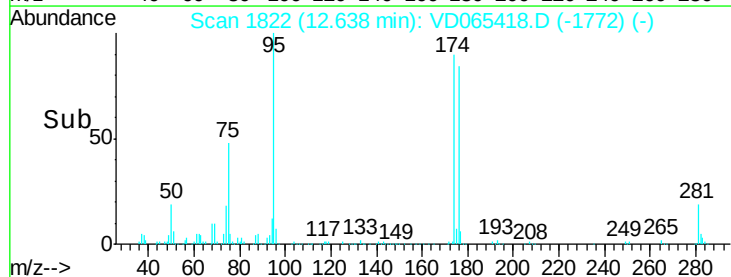
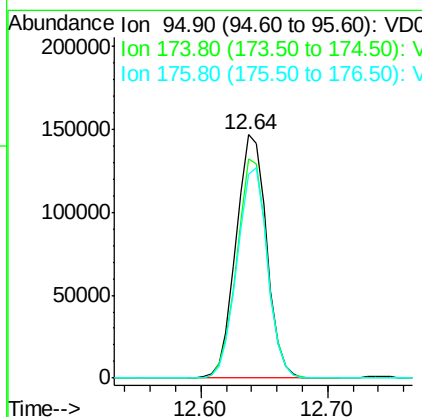
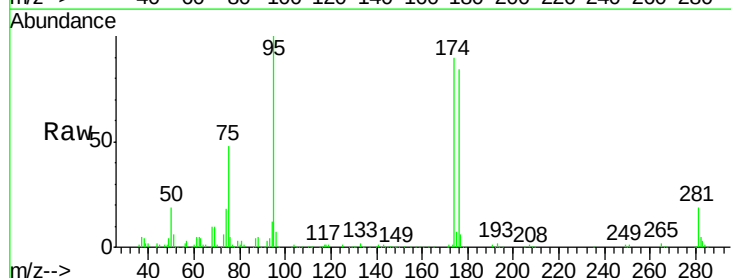
Manual Integrations
 APPROVED

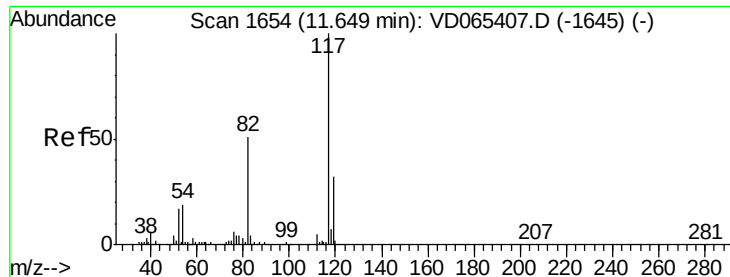
MMDadoda
 3/5/2020 1:39:14 PM



#62
 4-Bromofluorobenzene
 Concen: 45.738 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion: 95 Resp: 245314
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.8
 176 86.1 0.0 171.4





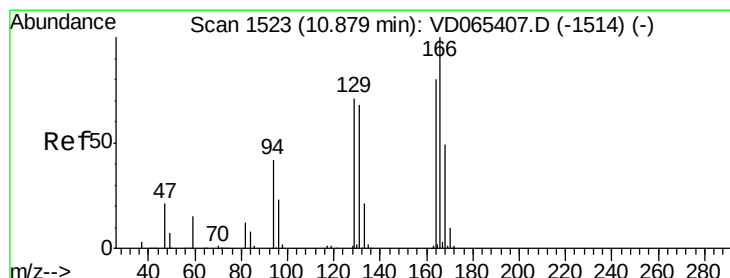
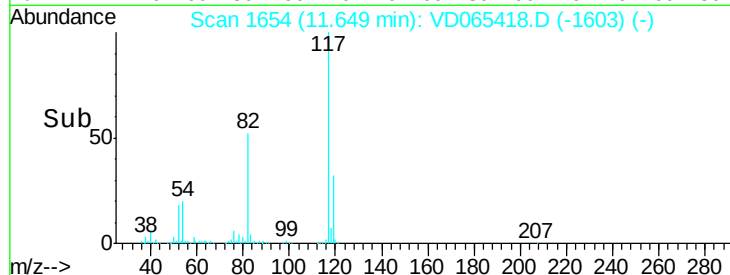
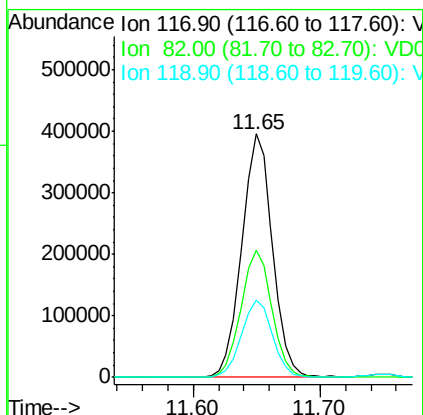
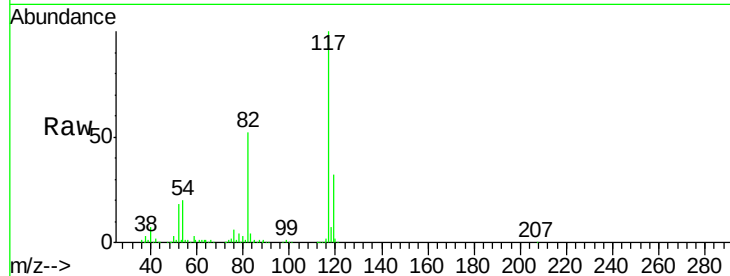
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion	Ratio	Resp	Lower	Upper
117	100	665374		
82	52.1		40.6	60.8
119	31.8		25.4	38.2

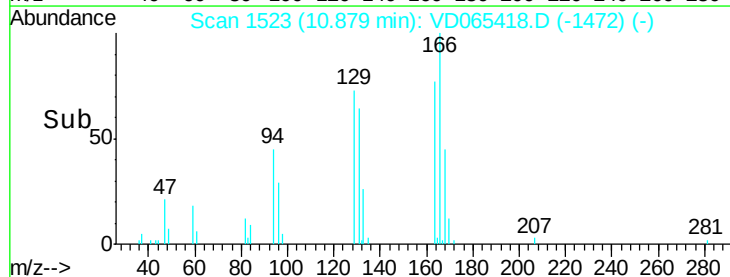
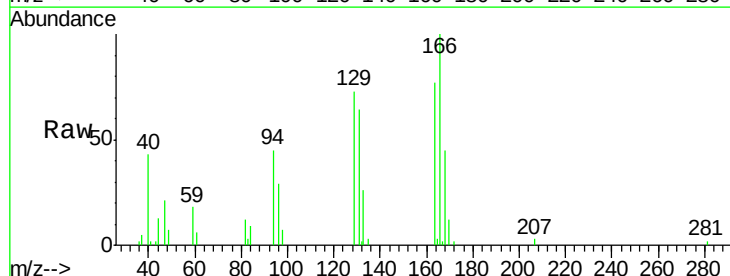
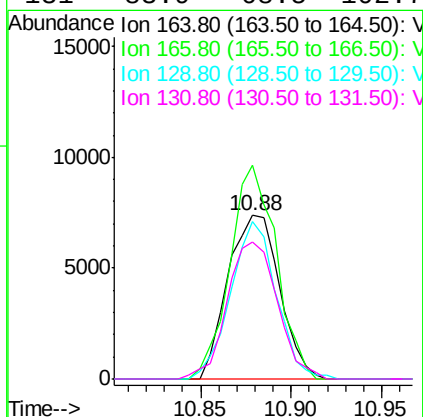
Manual Integrations
APPROVED

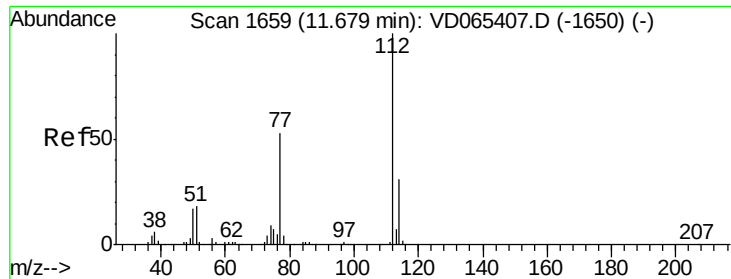
MMDadoda
3/5/2020 1:39:14 PM



#64
Tetrachloroethene
Concen: 3.070 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14637		
166	130.7		100.5	150.7
129	96.0		71.5	107.3
131	83.9		68.5	102.7





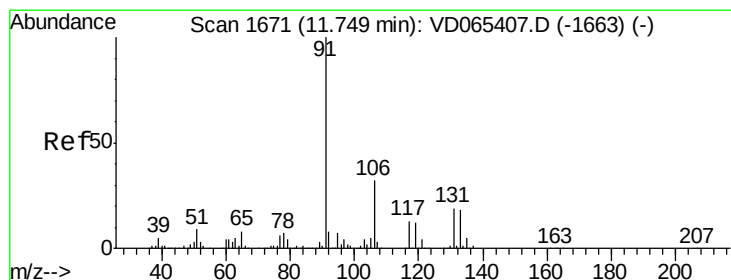
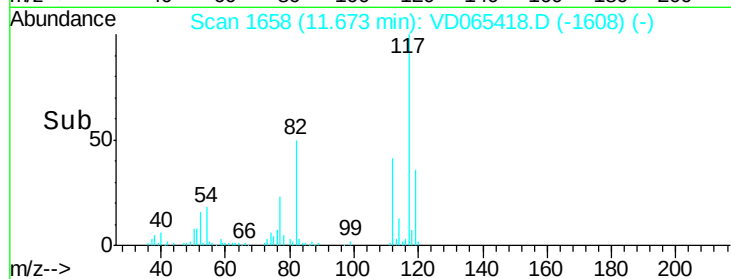
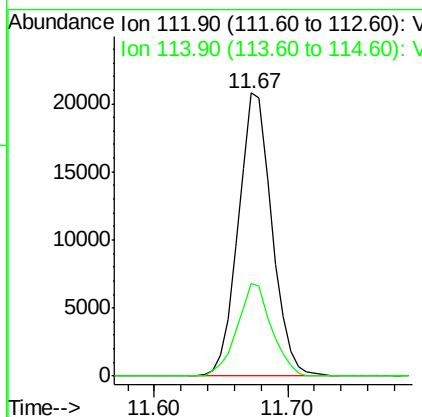
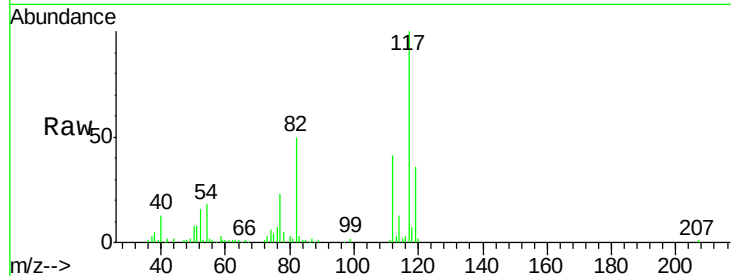
#65
Chlorobenzene
Concen: 2.744 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	24.4	36.6

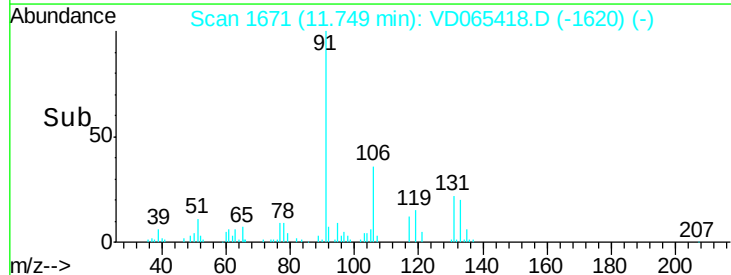
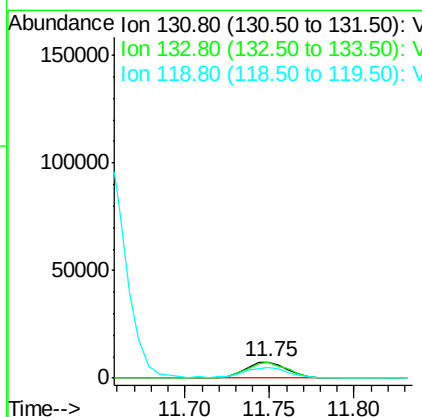
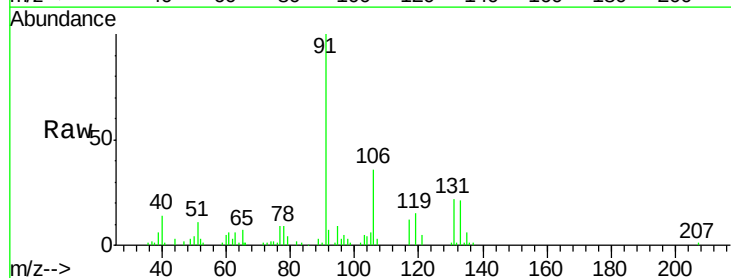
Manual Integrations
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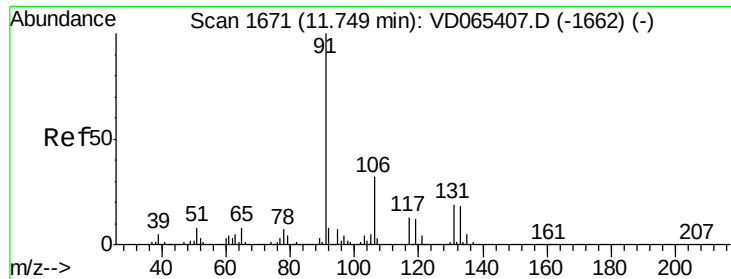
MMDadoda
3/5/2020 1:39:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.745 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	49.2	147.6
119	68.8	33.3	99.8





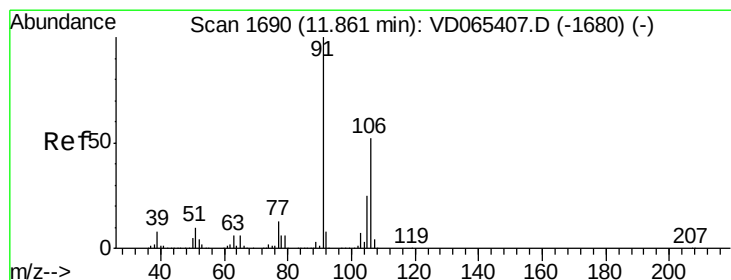
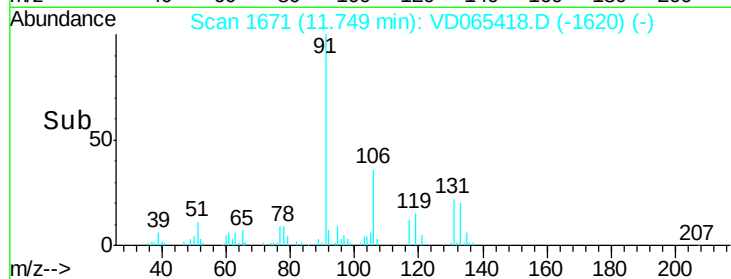
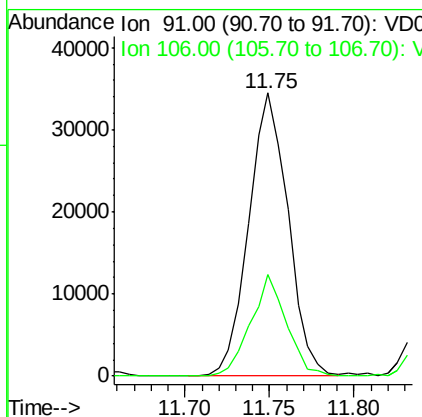
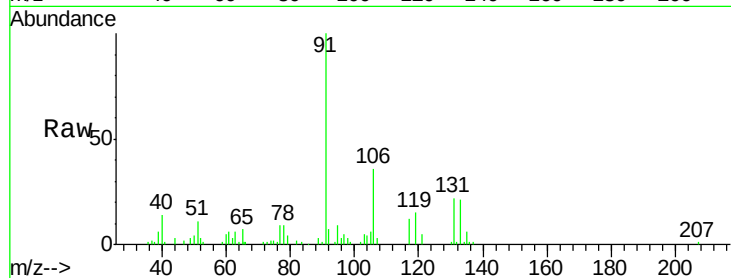
#67
Ethyl Benzene
Concen: 2.464 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion: 91 Resp: 56063
Ion Ratio Lower Upper
91 100
106 35.7 25.2 37.8

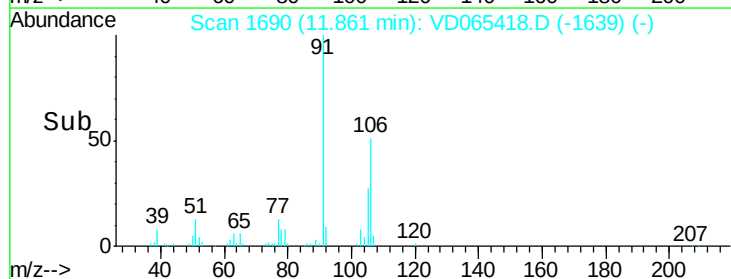
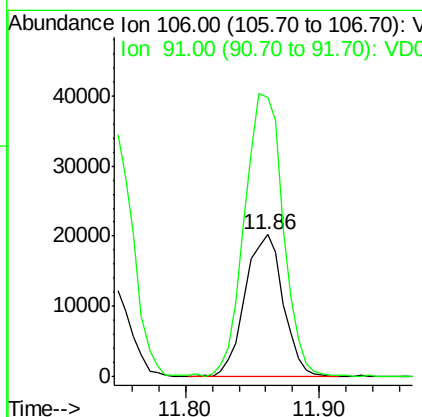
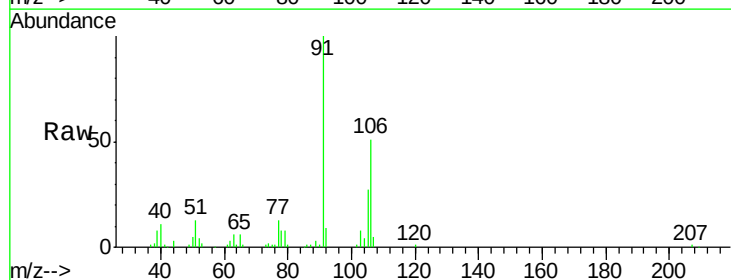
Manual Integrations
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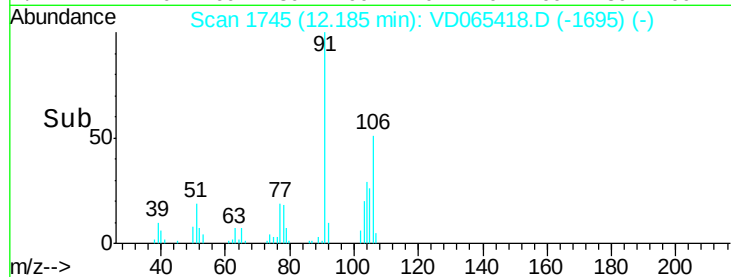
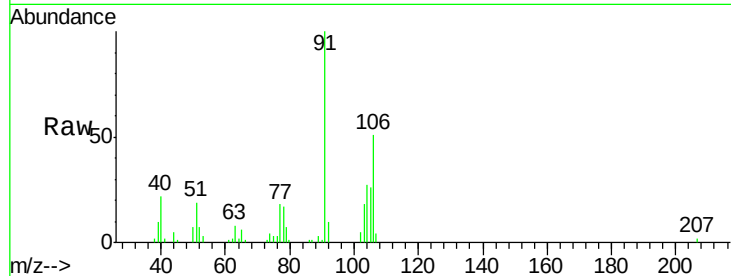
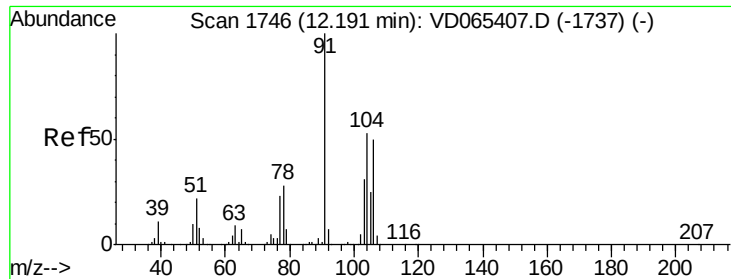
MMDadoda
3/5/2020 1:39:14 PM



#68
m/p-Xylenes
Concen: 4.533 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 106 Resp: 39765
Ion Ratio Lower Upper
106 100
91 203.1 155.9 233.9





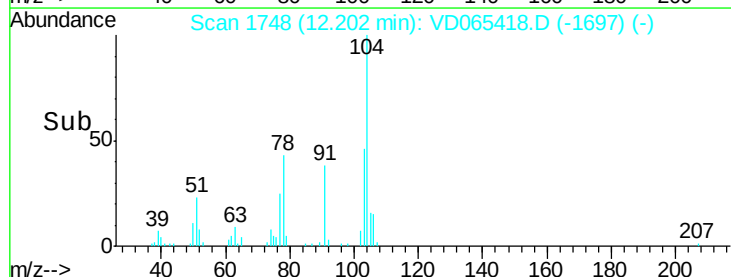
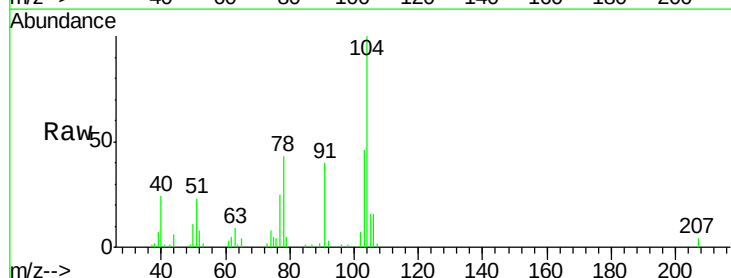
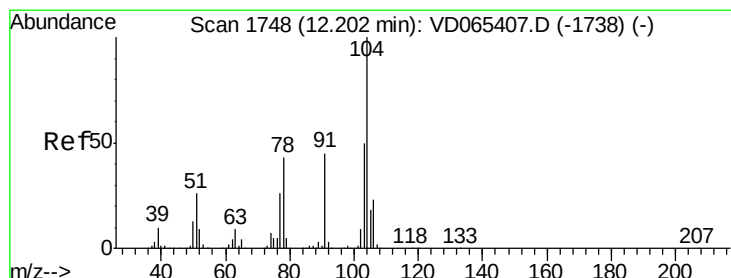
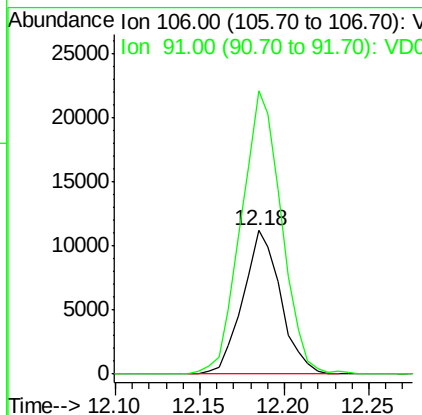
#69
o-Xylene
Concen: 2.271 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tot Ion:106 Resp: 17522
Ion Ratio Lower Upper
106 100
91 210.0 103.5 310.3

Instrument :
MSVOA_D
ClientSampled :
VD0305

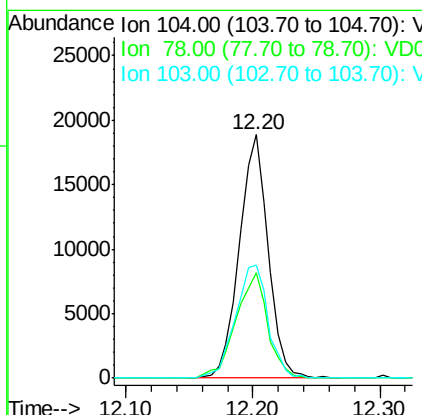
Manual Integrations
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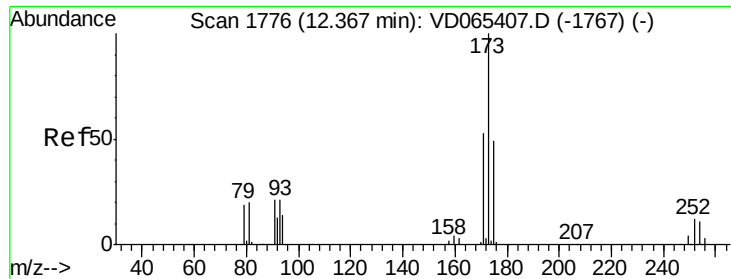
MMDadoda
3/5/2020 1:39:14 PM



#70
Styrene
Concen: 2.186 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion:104 Resp: 29685
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 52.6 43.6 65.4





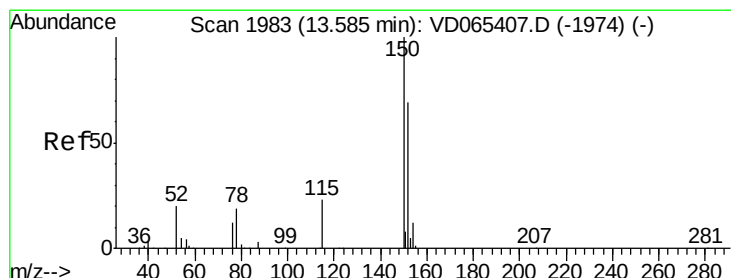
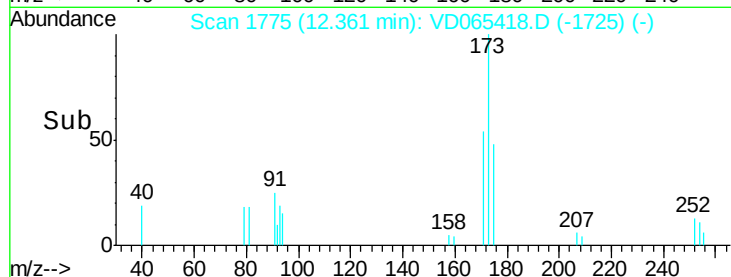
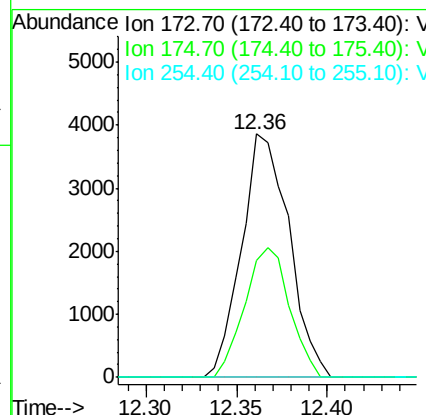
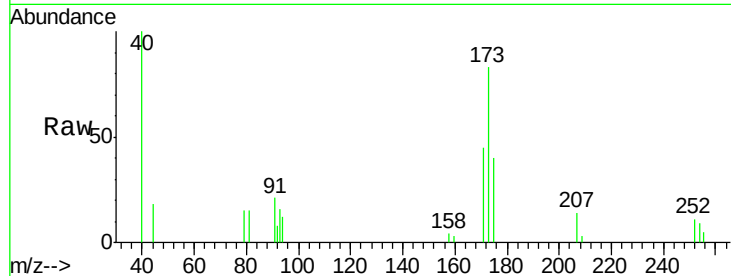
#71
Bromoform
Concen: 2.613 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.3	73.0
254	0.0	0.1	0.1#

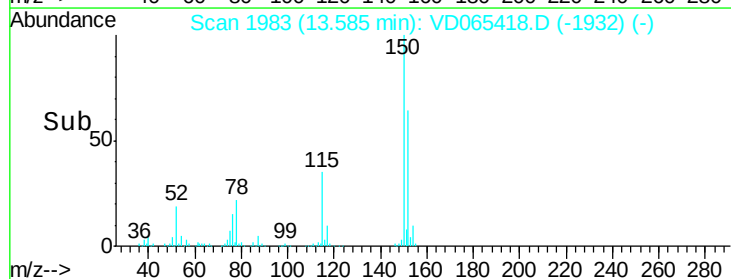
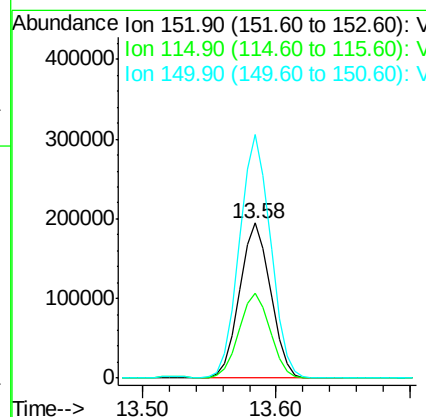
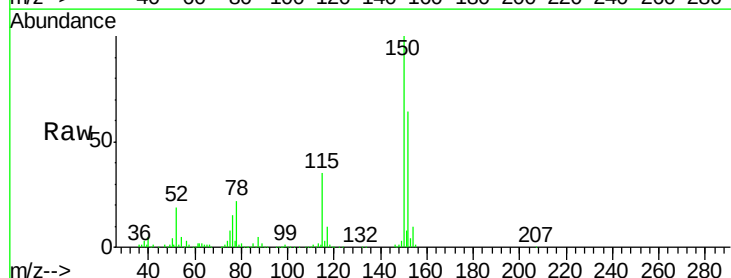
Manual Integrations
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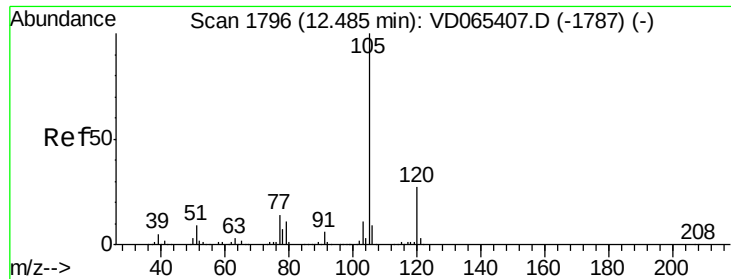
MMDadoda
3/5/2020 1:39:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.8
150	157.5	0.0	345.0





#73

Isopropylbenzene

Concen: 2.282 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion: 105 Resp: 47081

Ion Ratio Lower Upper

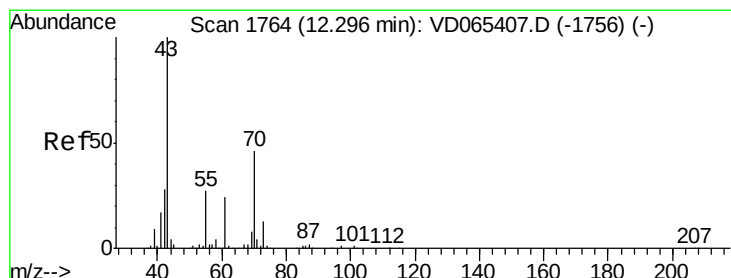
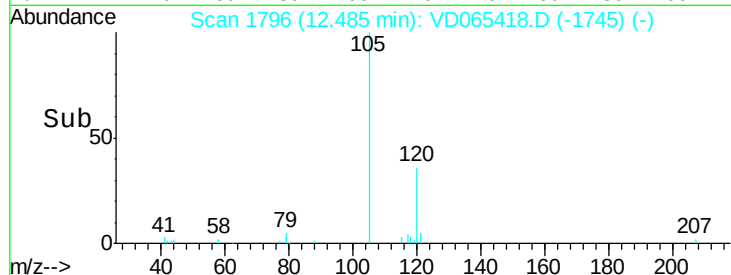
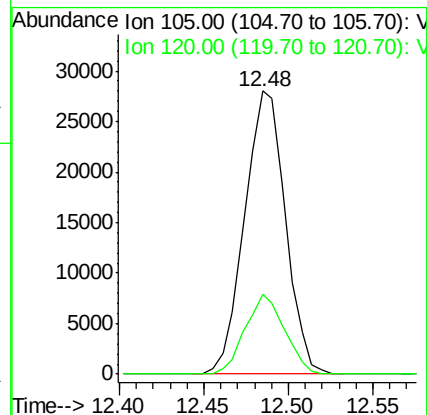
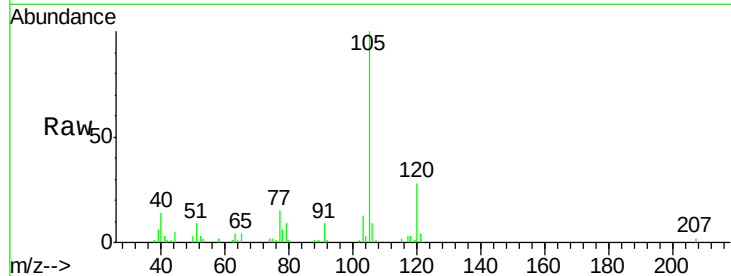
105 100

120 27.3 13.5 40.4

Manual Integrations
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MMDadoda

3/5/2020 1:39:14 PM



#74

N-ethyl acetate

Concen: 2.187 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion: 43 Resp: 9238

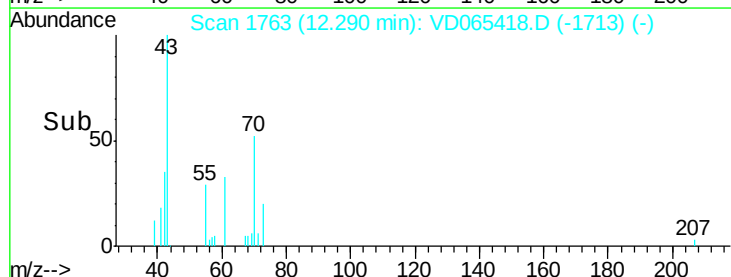
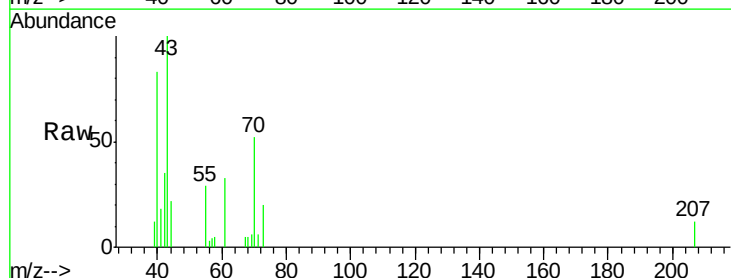
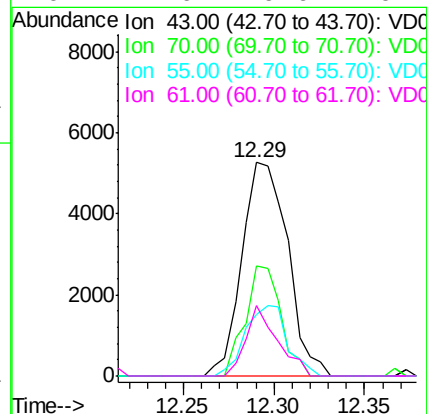
Ion Ratio Lower Upper

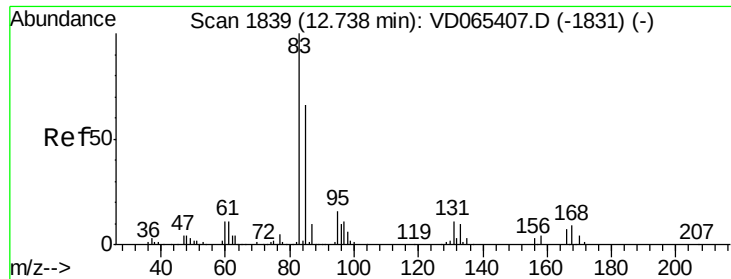
43 100

70 40.1 36.1 54.1

55 30.3 21.6 32.4

61 22.6 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.825 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

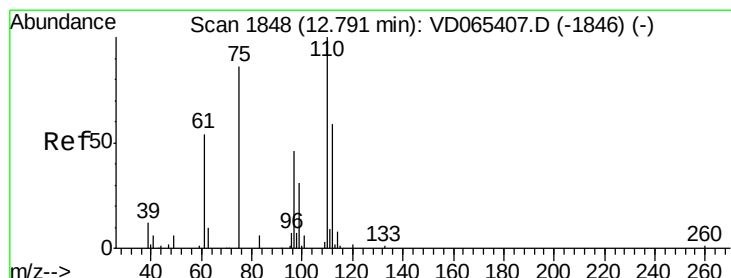
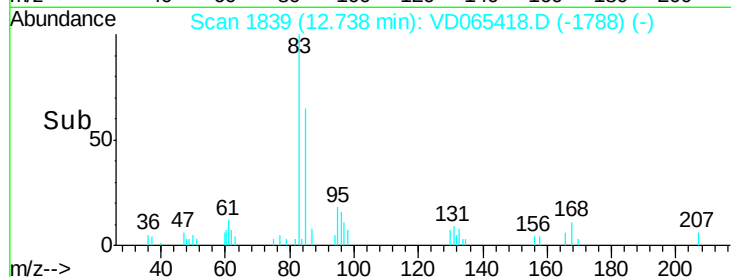
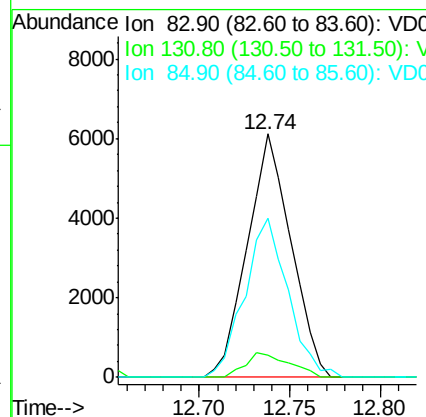
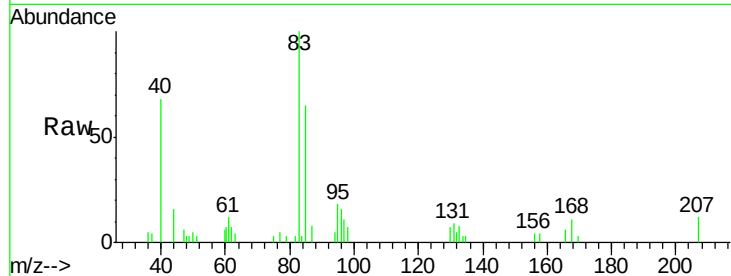
ClientSampleId :

VD0305

Tot Ion:	83	Resp:	10247
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.4	16.2
85	64.7	33.0	98.9

Manual Integrations
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3/5/2020 1:39:14 PM



#76

1,2,3-Trichloropropane

Concen: 2.718 ug/l m

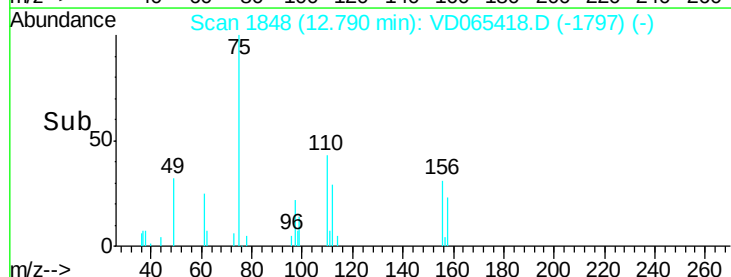
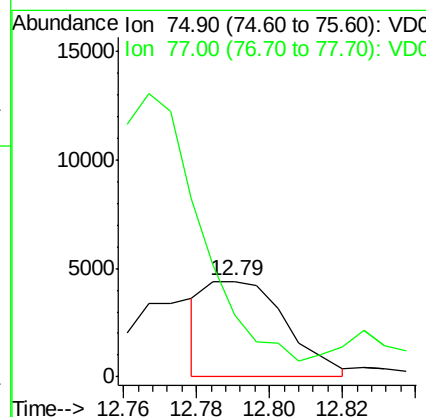
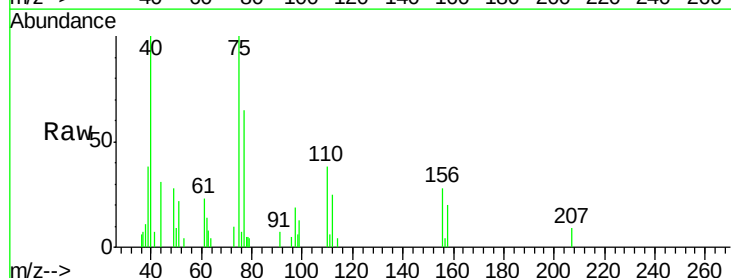
RT: 12.79 min Scan# 1848

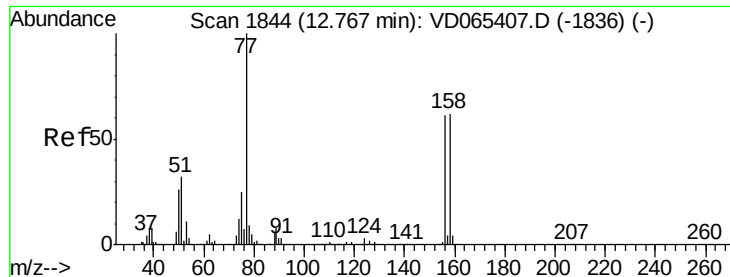
Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion:	75	Resp:	6729
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.784 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion:156 Resp: 14274

Ion Ratio Lower Upper

156 100

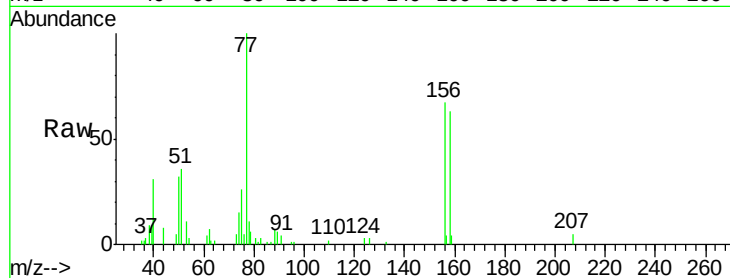
77 172.5 84.9 254.6

158 95.3 49.0 147.2

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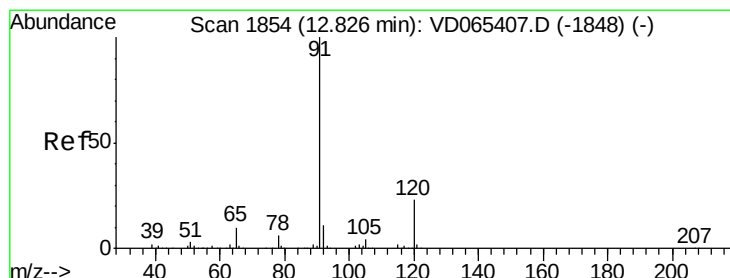
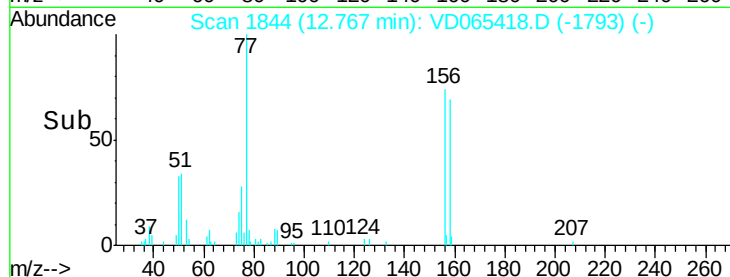
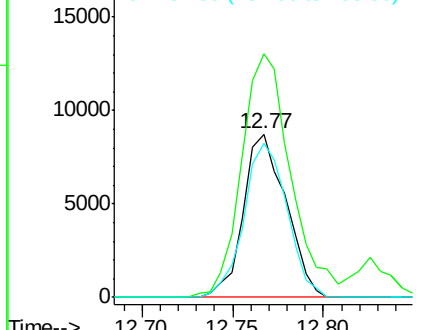
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.603 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065418.D

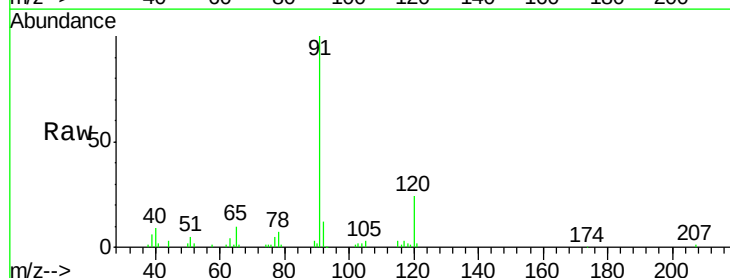
Acq: 04 Mar 2020 18:42

Tgt Ion: 91 Resp: 63722

Ion Ratio Lower Upper

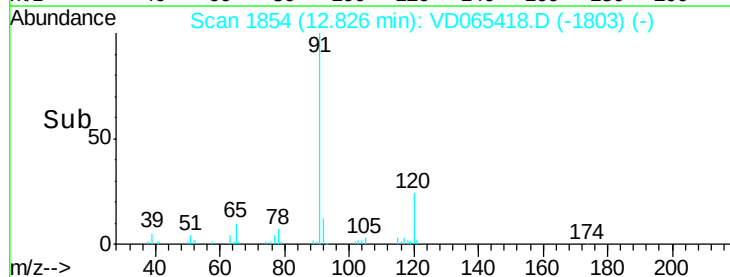
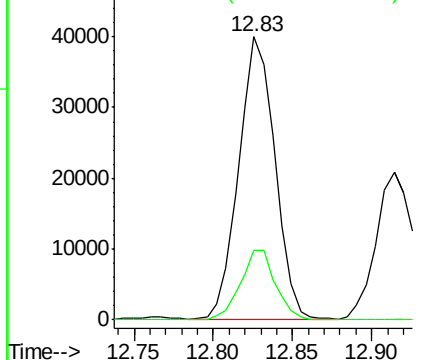
91 100

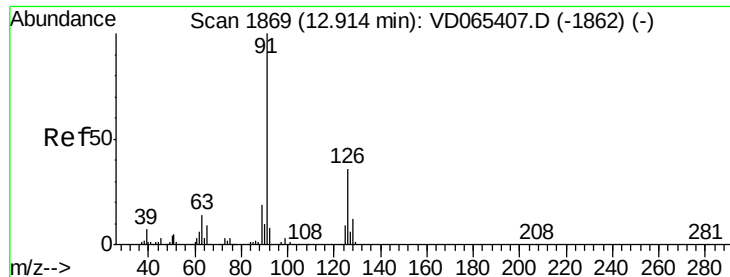
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





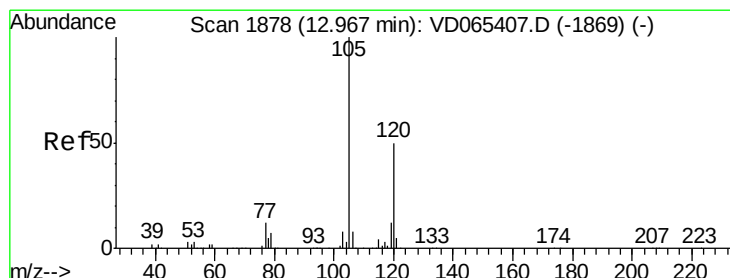
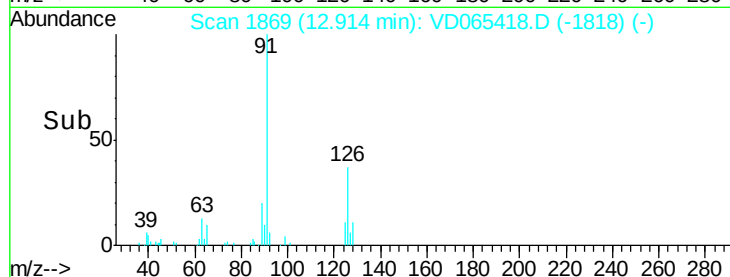
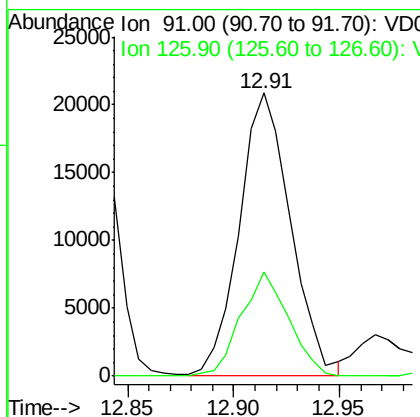
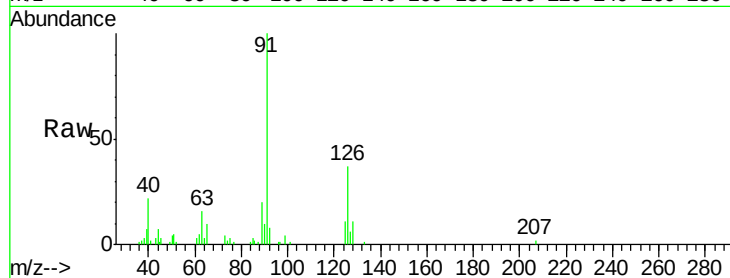
#79
2-Chlorotoluene
Concen: 2.559 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion: 91 Resp: 35316
Ion Ratio Lower Upper
91 100
126 33.9 17.9 53.8

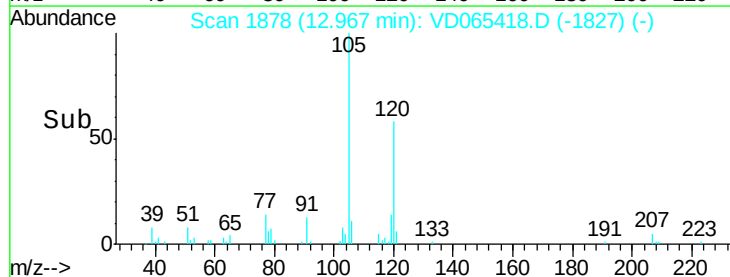
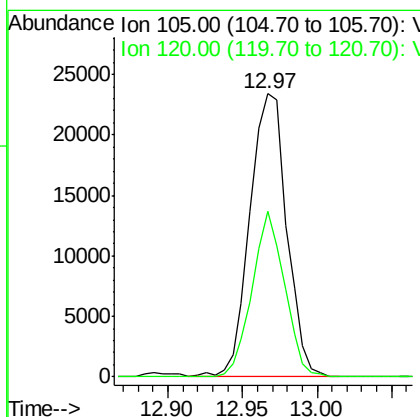
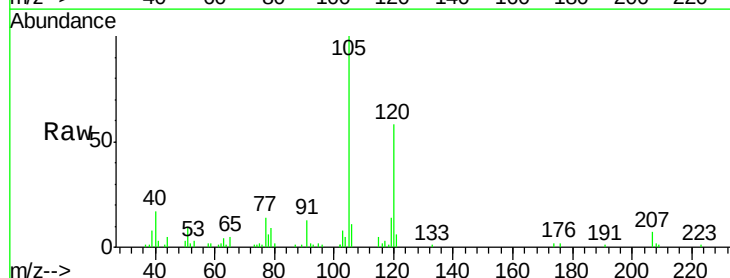
Manual Integrations
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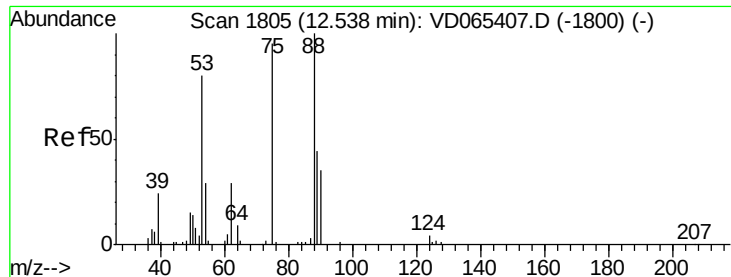
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 2.355 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion: 105 Resp: 39956
Ion Ratio Lower Upper
105 100
120 51.4 25.4 76.0





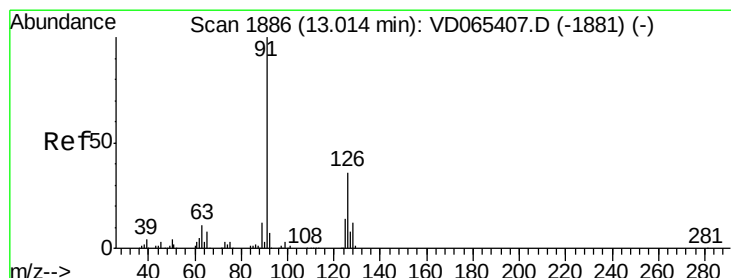
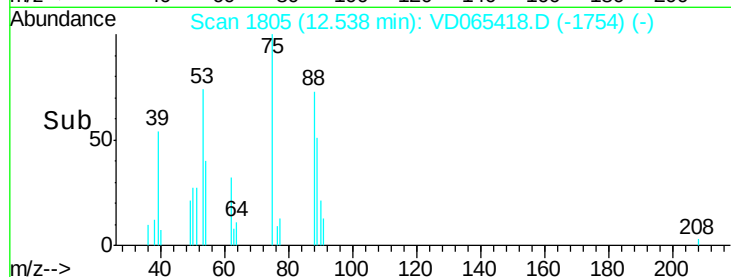
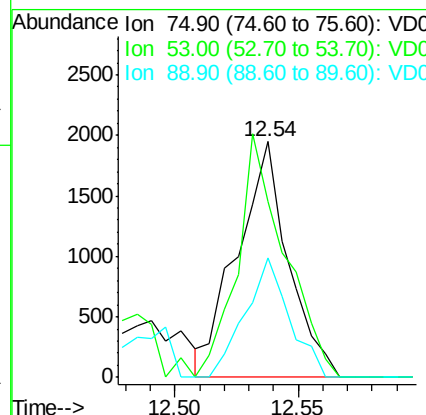
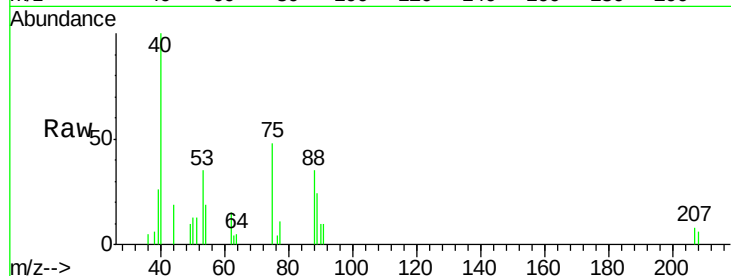
#81
trans-1,4-Dichloro-2-butene
Concen: 2.391 ug/l m
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ratio	Lower	Upper
75	100		
53	4.5	71.3	106.9#
89	5.1	37.0	55.6#

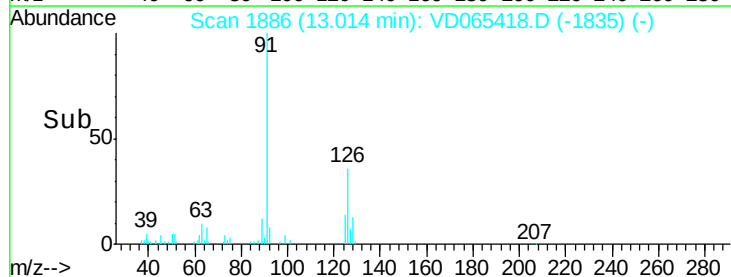
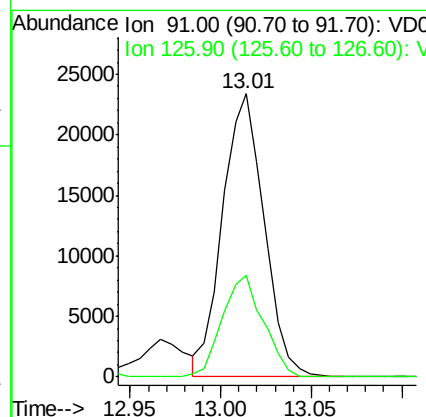
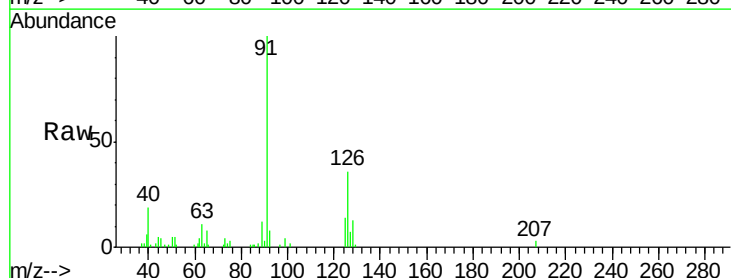
Manual Integrations
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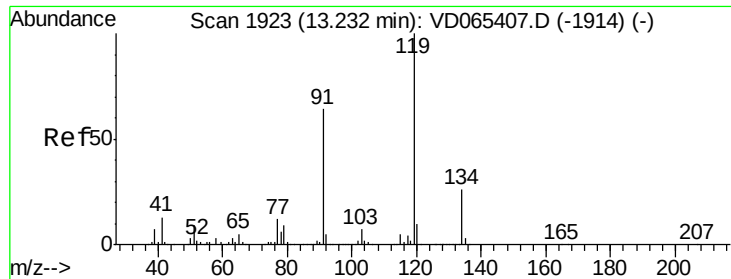
MMDadoda
3/5/2020 1:39:14 PM



#82
4-Chlorotoluene
Concen: 2.560 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





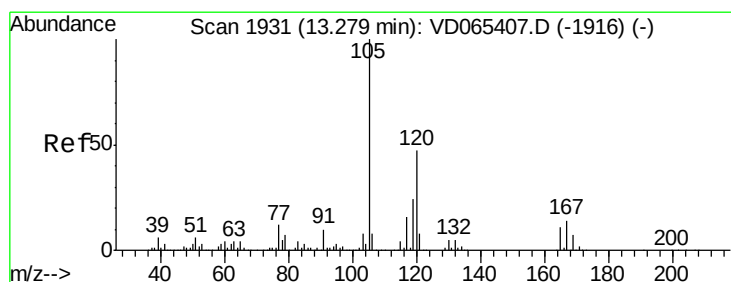
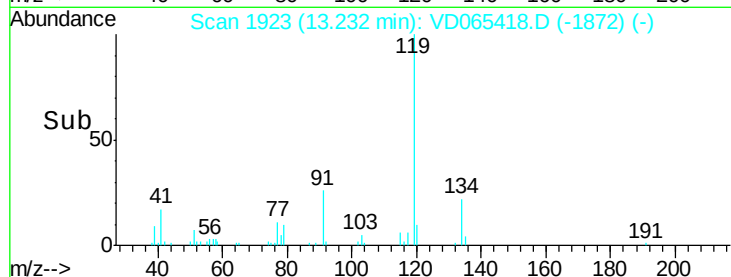
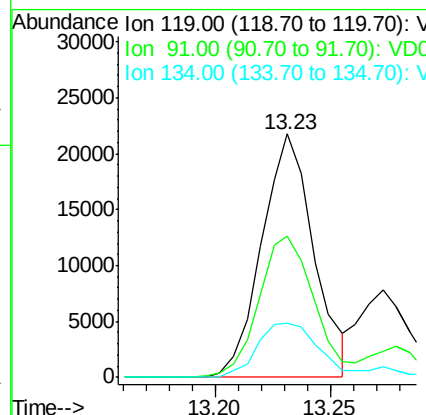
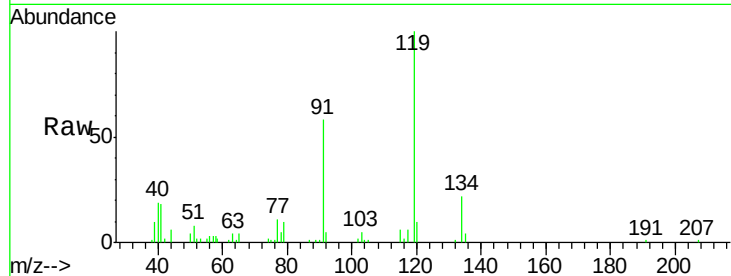
#83
tert-Butylbenzene
Concen: 2.377 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampled :
VD0305

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.6	95.0
134	26.3	14.2	42.8

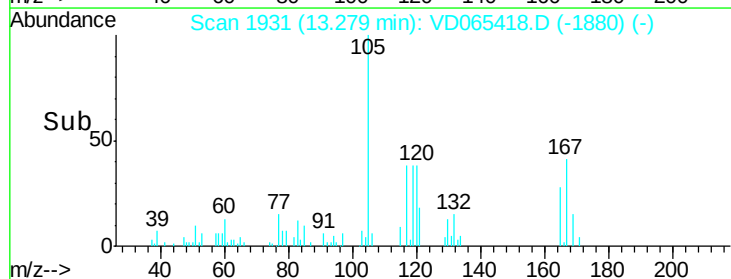
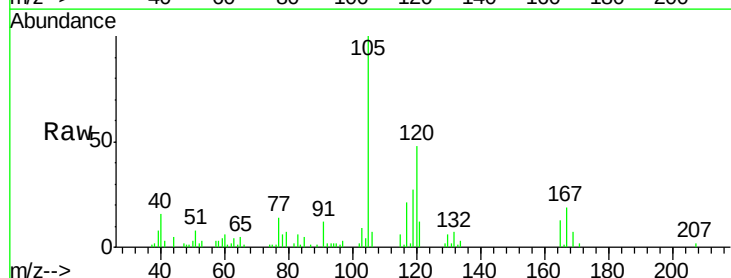
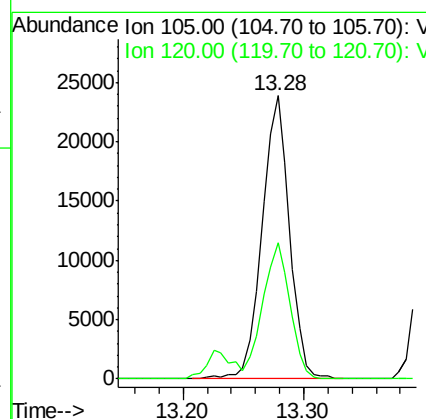
Manual Integrations
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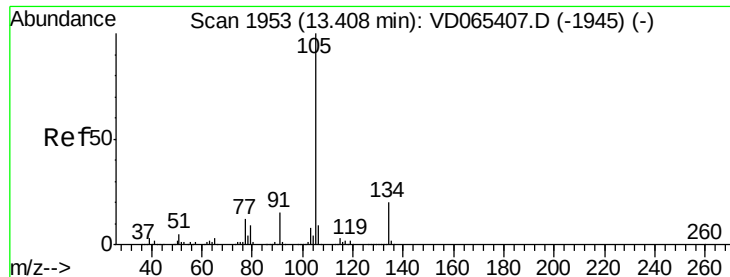
MMDadoda
3/5/2020 1:39:14 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.238 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 2.335 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VD0305

Tot Ion:105 Resp: 47828

Ion Ratio Lower Upper

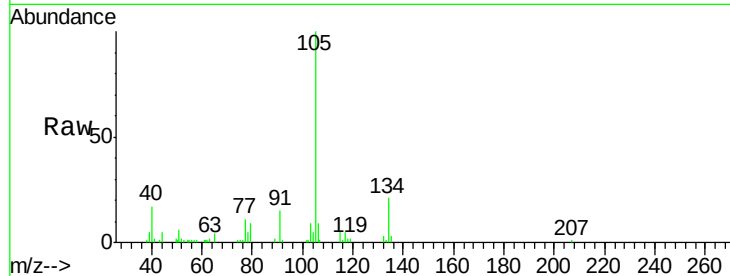
105 100

134 22.4 10.3 30.9

Manual Integrations
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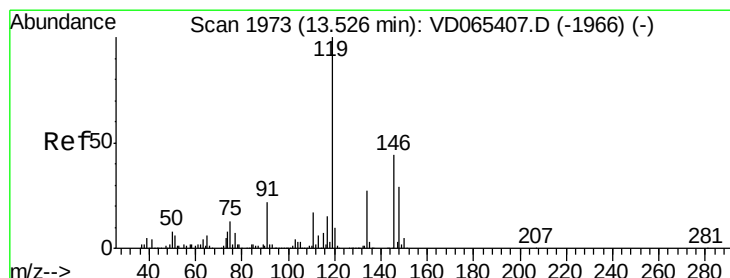
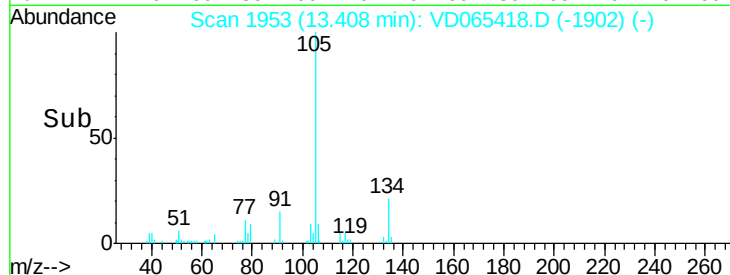
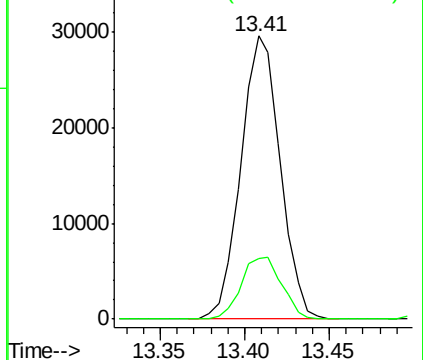
MMDadoda

3/5/2020 1:39:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.203 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

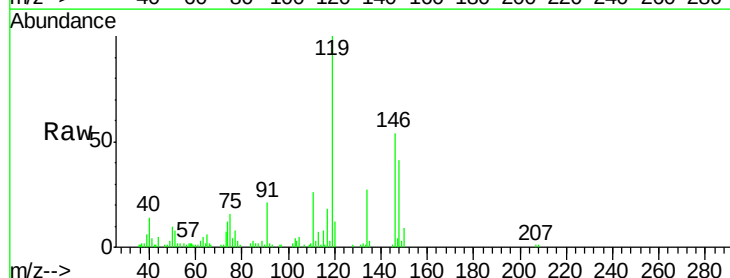
Tgt Ion:119 Resp: 41187

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.9

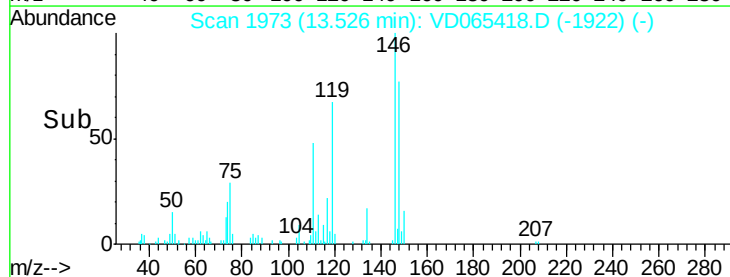
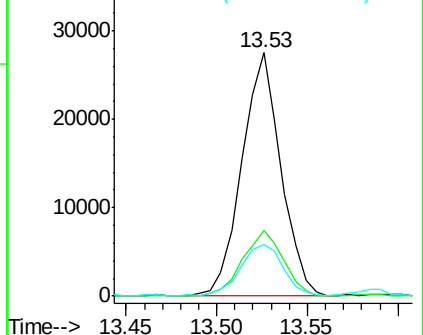
91 23.6 10.9 32.6

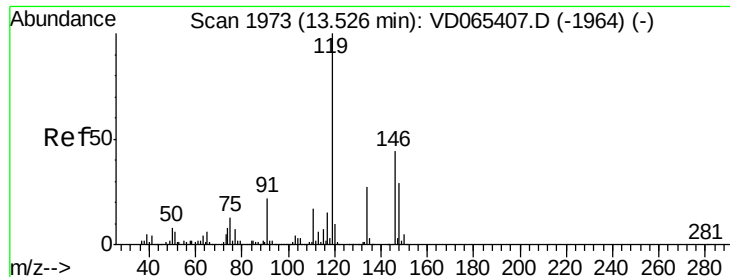


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





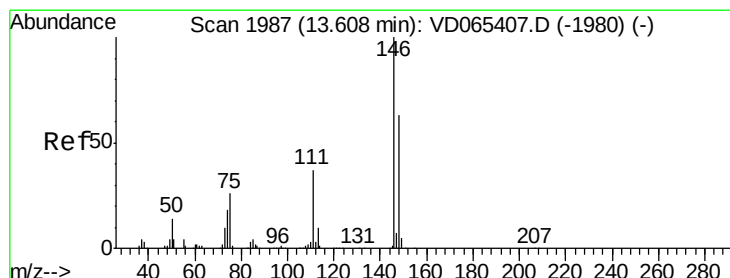
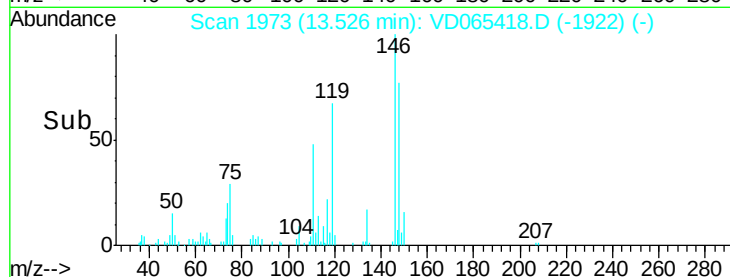
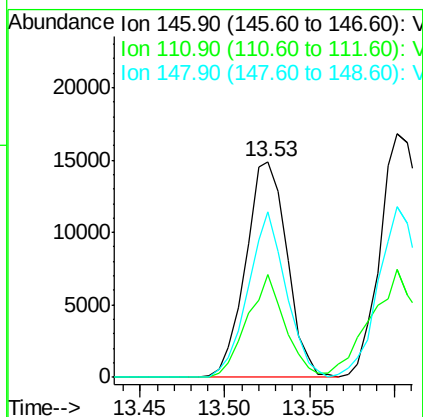
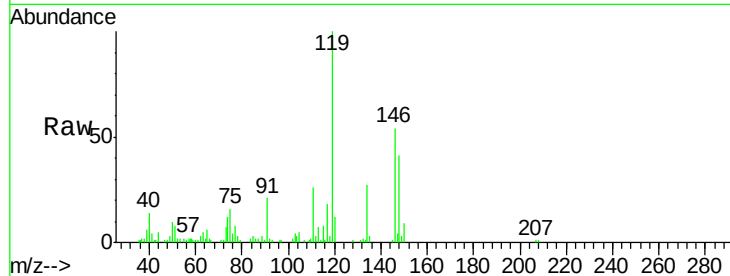
#87
 1,3-Dichlorobenzene
 Concen: 2.567 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.1	57.1
148	70.7	32.3	96.8

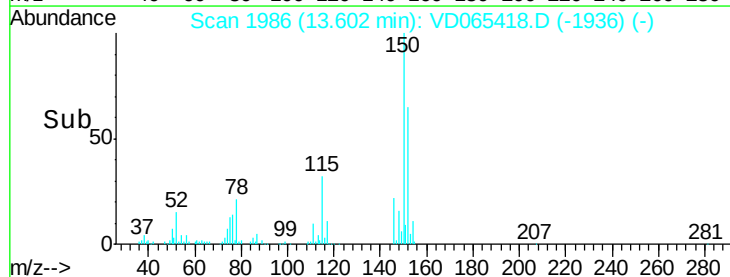
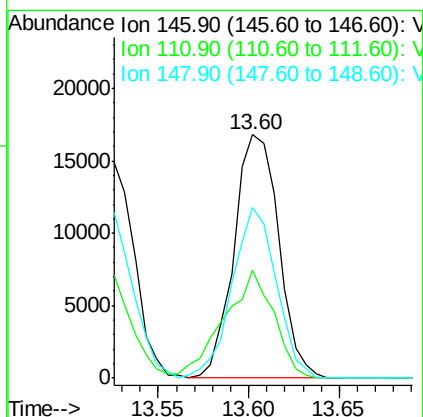
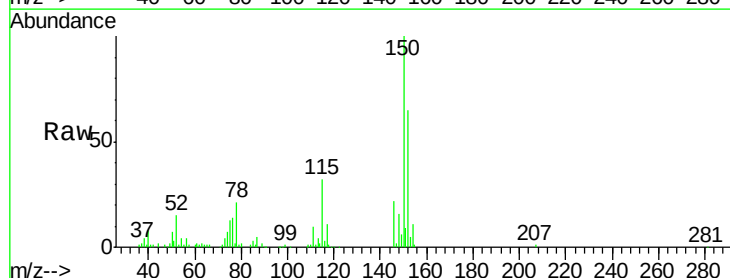
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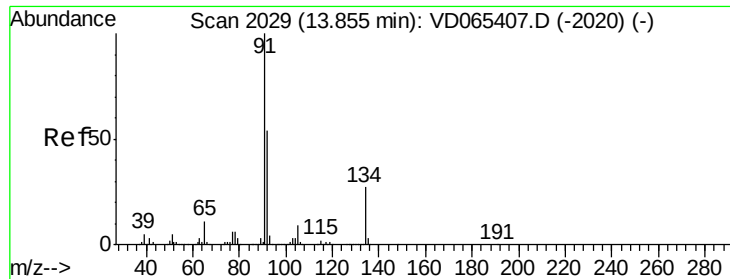
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#88
 1,4-Dichlorobenzene
 Concen: 2.943 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.6	18.5	55.5
148	69.2	32.0	96.0





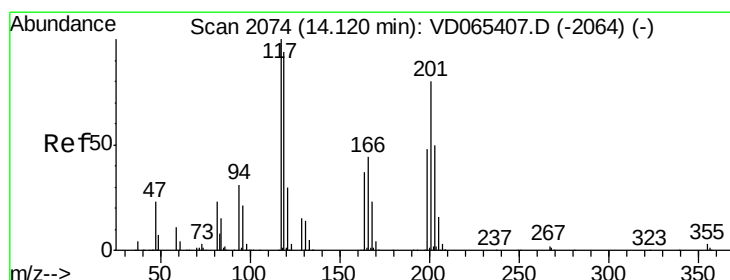
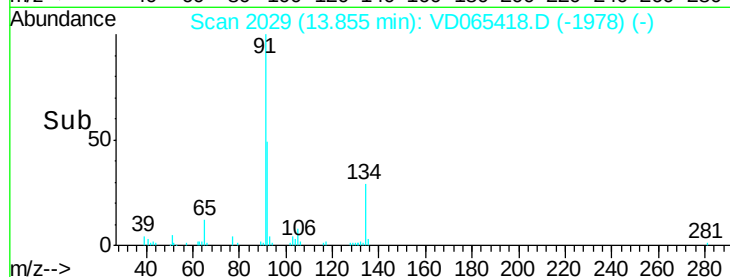
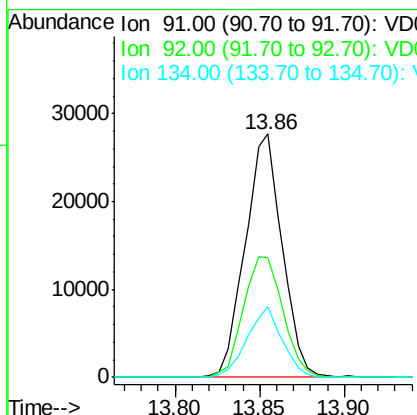
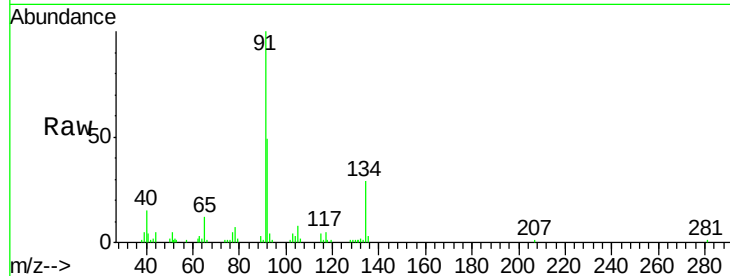
#89
n-Butylbenzene
Concen: 2.442 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VD0305

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	42197		
92	92	52.7		26.8	80.4
134	134	27.3		13.4	40.2

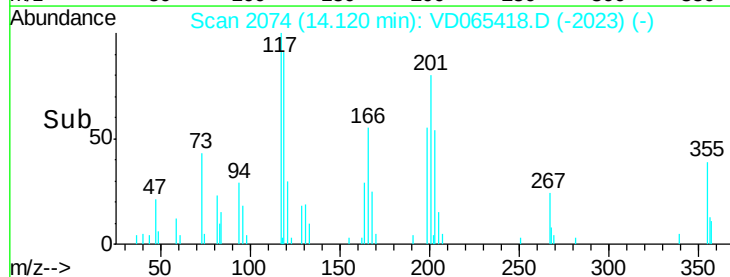
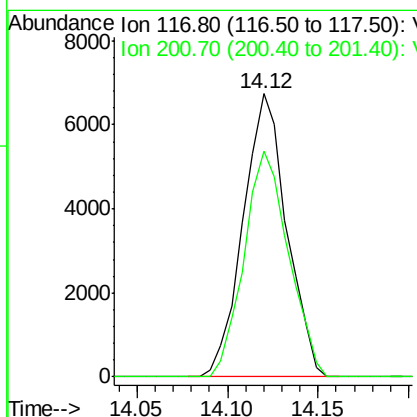
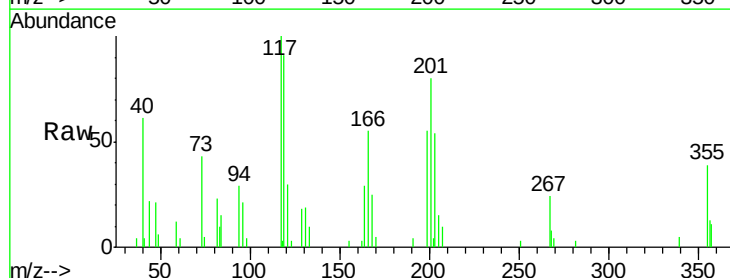
Manual Integrations
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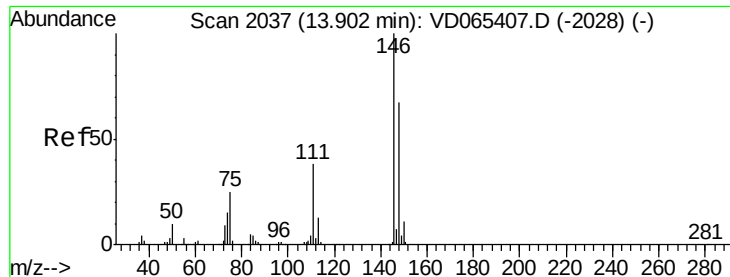
MMDadoda
3/5/2020 1:39:14 PM



#90
Hexachloroethane
Concen: 2.929 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065418.D
Acq: 04 Mar 2020 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	11275		
201	201	81.2		41.9	125.6





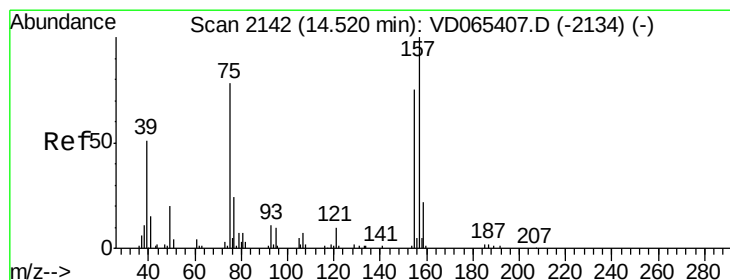
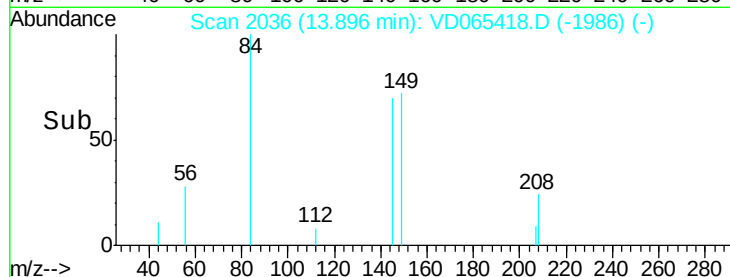
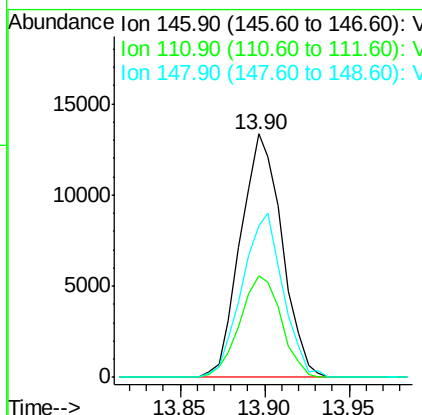
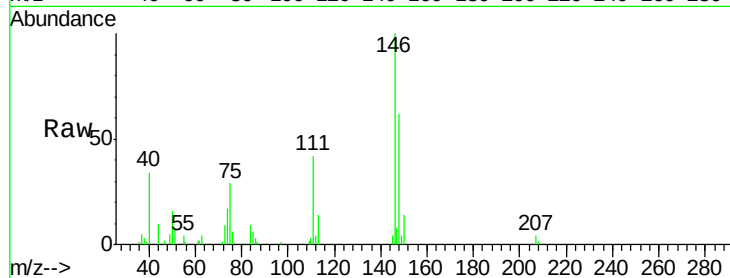
#91
 1,2-Dichlorobenzene
 Concen: 2.713 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.8	59.3
148	66.5	32.6	97.8

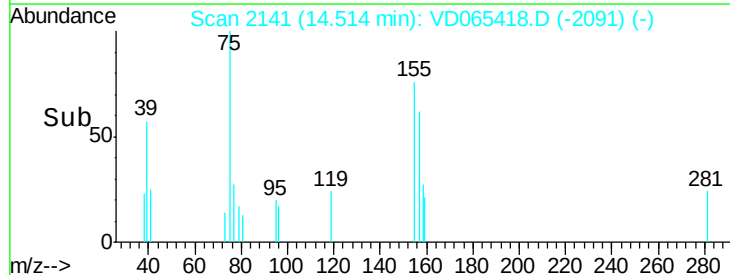
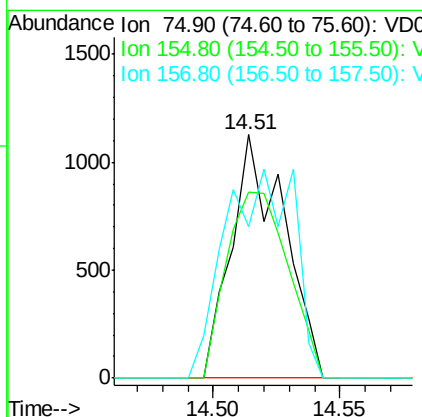
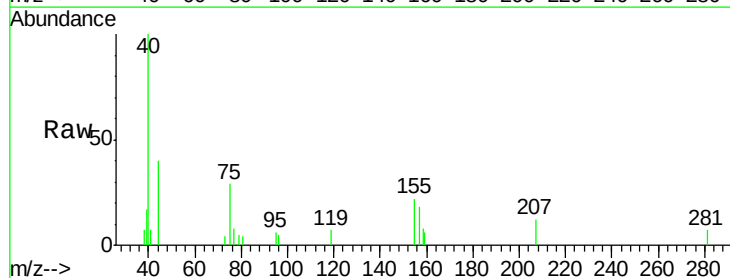
Manual Integrations
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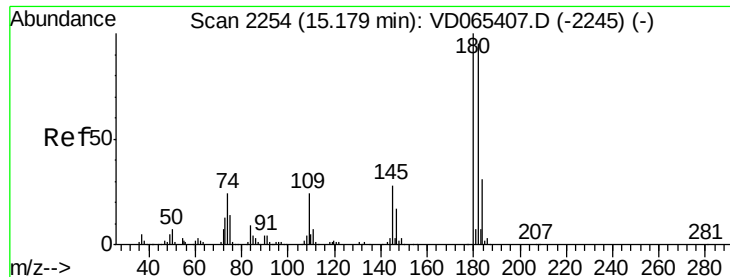
MMDadoda
 3/5/2020 1:39:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.940 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	46.4	139.1
157	112.2	60.2	180.4





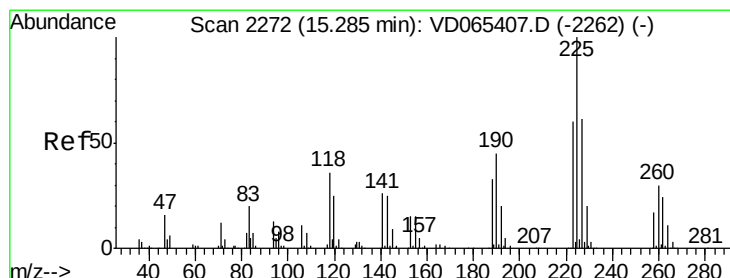
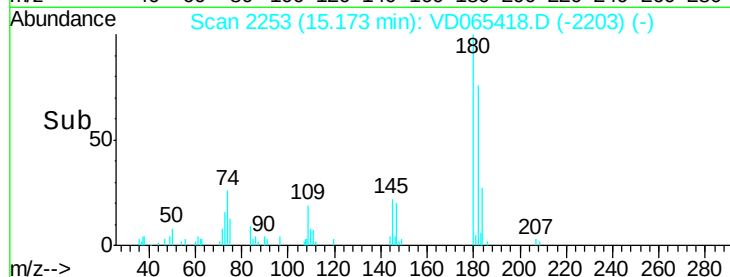
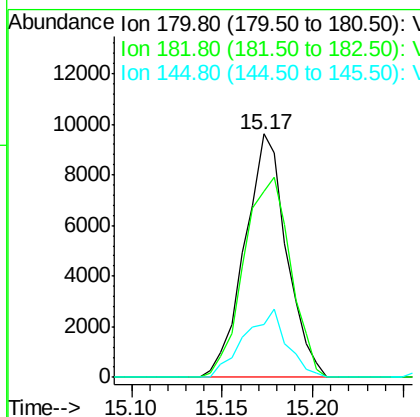
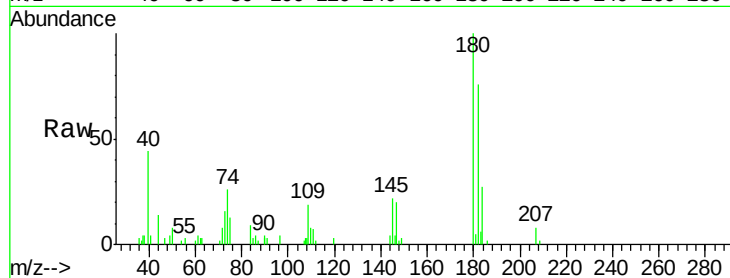
#93
 1,2,4-Trichlorobenzene
 Concen: 2.713 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.3	144.9
145	28.4	14.4	43.4

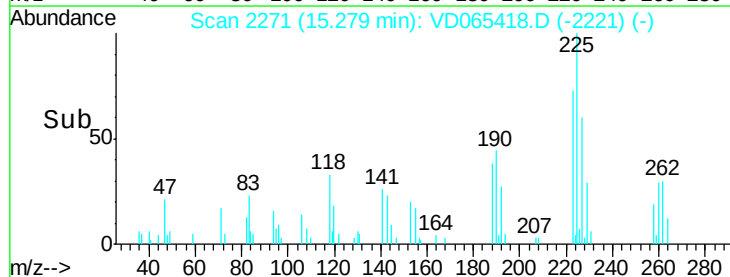
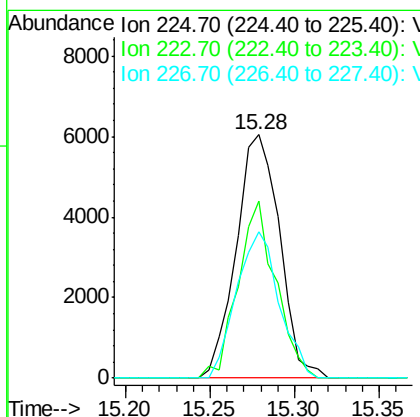
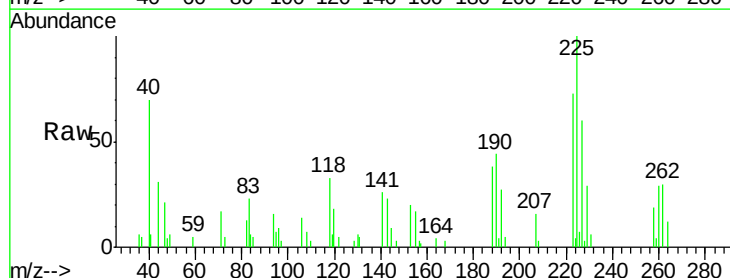
Manual Integrations
 APPROVED

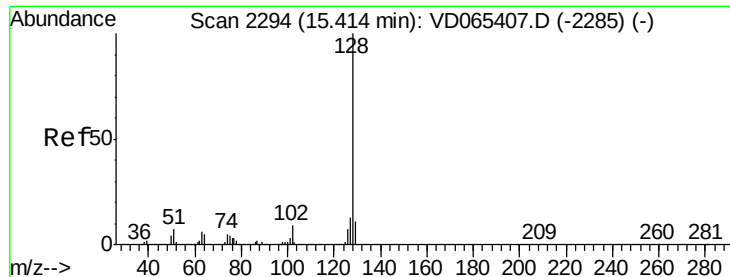
MMDadoda
 3/5/2020 1:39:14 PM



#94
 Hexachlorobutadiene
 Concen: 2.898 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065418.D
 Acq: 04 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.9	92.5
227	59.5	31.6	94.7





#95

Naphthalene

Concen: 2.278 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Instrument :

MSVOA_D

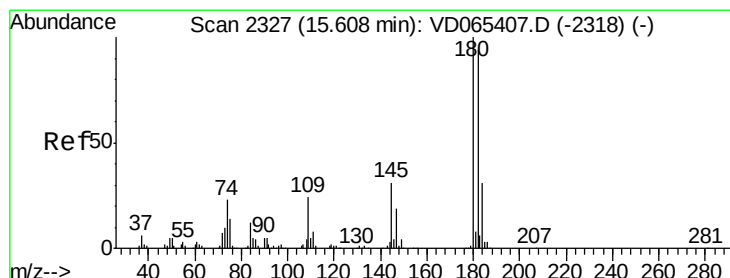
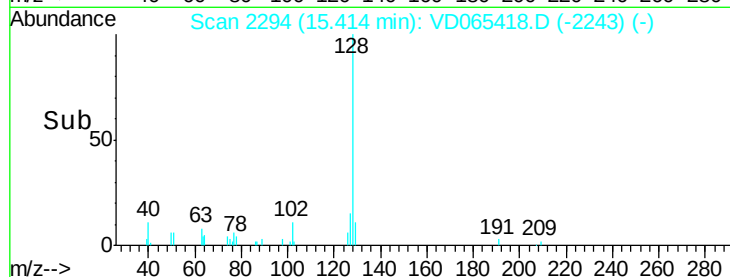
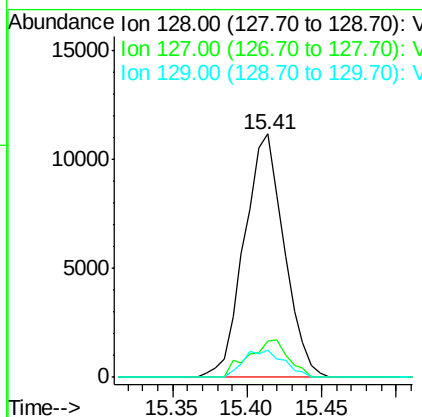
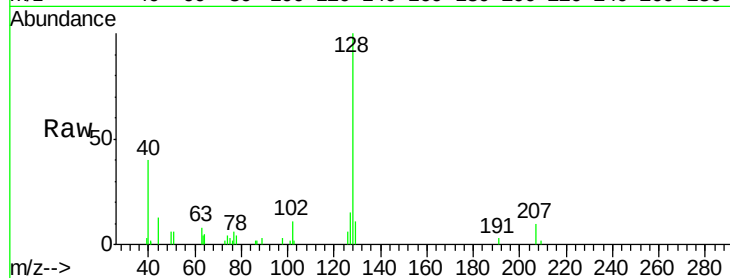
ClientSampleId :

VD0305

Tot Ion:	128	Resp:	20715
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 2.740 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065418.D

Acq: 04 Mar 2020 18:42

Tgt Ion:	180	Resp:	13463
Ion Ratio	Lower	Upper	
180	100		
182	99.8	46.9	140.6
145	32.2	15.0	45.1

