

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065637.D
 Acq On : 15 Apr 2020 16:00
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:38 PM

Quant Time: Apr 15 19:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	259913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	208673	85.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.62%	
35) Dibromofluoromethane	7.92	113	219810	90.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.52%	
50) Toluene-d8	10.34	98	840599	94.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.66%	
62) 4-Bromofluorobenzene	12.64	95	281279	97.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	215327	92.897	ug/l	97
3) Chloromethane	2.21	50	226182	79.945	ug/l	100
4) Vinyl Chloride	2.35	62	246236	91.907	ug/l	98
5) Bromomethane	2.76	94	135626	74.097	ug/l	96
6) Chloroethane	2.91	64	143407	86.940	ug/l	100
7) Trichlorofluoromethane	3.27	101	339755	84.055	ug/l	100
8) Diethyl Ether	3.70	74	73324	88.299	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162310	65.077	ug/l	98
10) Methyl Iodide	4.29	142	307602	125.597	ug/l	94
11) Tert butyl alcohol	5.24	59	58337	495.434	ug/l	98
12) 1,1-Dichloroethene	4.06	96	149146	65.048	ug/l	99
13) Acrolein	3.92	56	51886	316.653	ug/l	98
14) Allyl chloride	4.71	41	361731	106.258	ug/l	91
15) Acrylonitrile	5.43	53	243636	511.499	ug/l	99
16) Acetone	4.16	43	145505	343.136	ug/l	98
17) Carbon Disulfide	4.40	76	734552	96.342	ug/l	100
18) Methyl Acetate	4.72	43	122317	99.208	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	479147	106.110	ug/l	99
20) Methylene Chloride	4.96	84	237629	86.432	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	253397	97.223	ug/l	96
22) Diisopropyl ether	6.36	45	716789	101.066	ug/l	96
23) Vinyl Acetate	6.31	43	2010951	531.611	ug/l	99
24) 1,1-Dichloroethane	6.26	63	416311	89.269	ug/l	99
25) 2-Butanone	7.22	43	295490	477.666	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364717	87.802	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	269760	94.763	ug/l	98
28) Bromochloromethane	7.55	49	164503	86.811	ug/l	99
29) Tetrahydrofuran	7.57	42	198318	506.859	ug/l	99
30) Chloroform	7.71	83	420746	86.316	ug/l	100
31) Cyclohexane	7.98	56	401260	92.169	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	383783	87.538	ug/l	99
36) 1,1-Dichloropropene	8.11	75	345632	96.147	ug/l	99
37) Ethyl Acetate	7.30	43	137651	98.850	ug/l	99
38) Carbon Tetrachloride	8.10	117	360616	92.337	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	432310	106.240	ug/l	99
40) Benzene	8.35	78	982020	95.319	ug/l	99
41) Methacrylonitrile	7.53	41	73244	92.826	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	264431	90.758	ug/l	100
43) Isopropyl Acetate	8.46	43	260538	103.880	ug/l	99
44) Trichloroethene	9.11	130	272238	92.500	ug/l	95
45) 1,2-Dichloropropane	9.39	63	241148	95.392	ug/l	99
46) Dibromomethane	9.48	93	125128	91.833	ug/l	97
47) Bromodichloromethane	9.67	83	330172	92.857	ug/l	97
48) Methyl methacrylate	9.46	41	128257	107.236	ug/l	97
49) 1,4-Dioxane	9.47	88	29932	2019.859	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	673297	516.875	ug/l	99
52) Toluene	10.41	92	629657	96.968	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	321584	100.812	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	383657	98.898	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	174049	90.431	ug/l	99
56) Ethyl methacrylate	10.67	69	220412	113.084	ug/l	99
57) 1,3-Dichloropropane	10.95	76	302390	94.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	531450	523.766	ug/l	99
59) 2-Hexanone	10.99	43	463252	532.672	ug/l	98
60) Dibromochloromethane	11.14	129	232120	91.358	ug/l	99
61) 1,2-Dibromoethane	11.25	107	171550	93.722	ug/l	100
64) Tetrachloroethene	10.88	164	237086	91.170	ug/l	99
65) Chlorobenzene	11.67	112	662584	93.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	251416	93.031	ug/l	99
67) Ethyl Benzene	11.75	91	1195909	102.211	ug/l	99
68) m/p-Xylenes	11.86	106	925792	201.269	ug/l	99
69) o-Xylene	12.18	106	418907	105.295	ug/l	100
70) Styrene	12.20	104	743521	105.588	ug/l	100
71) Bromoform	12.37	173	141921	91.923	ug/l #	100
73) Isopropylbenzene	12.48	105	1137169	106.622	ug/l	100
74) N-amyl acetate	12.30	43	241437	110.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	187411	93.366	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	151918m	107.683	ug/l	
77) Bromobenzene	12.77	156	281653	95.665	ug/l	99
78) n-propylbenzene	12.83	91	1330665	103.204	ug/l	99
79) 2-Chlorotoluene	12.91	91	741985	100.233	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	940118	104.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	68401	113.639	ug/l	95
82) 4-Chlorotoluene	13.01	91	778438	97.354	ug/l	98
83) tert-Butylbenzene	13.23	119	799304	106.808	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	945062	105.483	ug/l	100
85) sec-Butylbenzene	13.41	105	1117623	104.049	ug/l	99
86) p-Isopropyltoluene	13.53	119	1053384	106.351	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537321	94.231	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	523484	91.867	ug/l	99
89) n-Butylbenzene	13.86	91	961471	107.122	ug/l	99
90) Hexachloroethane	14.12	117	202703	93.486	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	459055	94.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29066	93.124	ug/l	97

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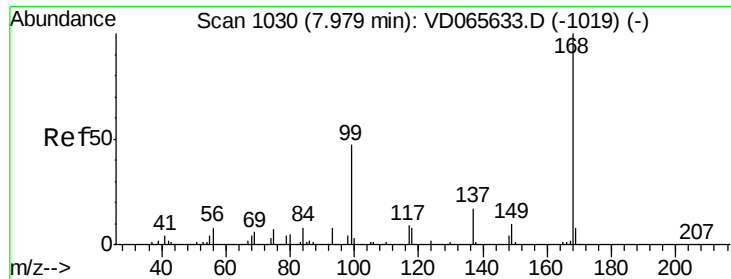
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	339251	105.471	ug/l	97
94) Hexachlorobutadiene	15.28	225	217639	97.594	ug/l	99
95) Naphthalene	15.41	128	544596	115.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	289740	102.852	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 259913

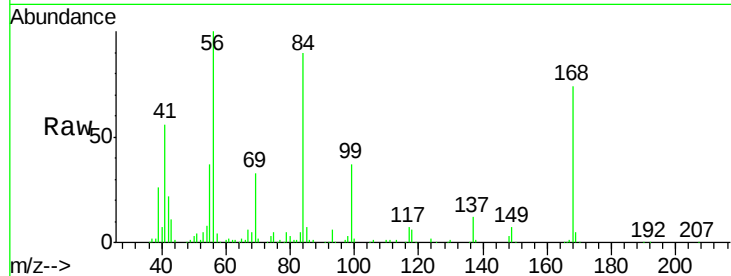
Ion Ratio Lower Upper

168 100

99 50.0 40.3 60.5

Manual Integrations
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4/16/2020 3:13:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

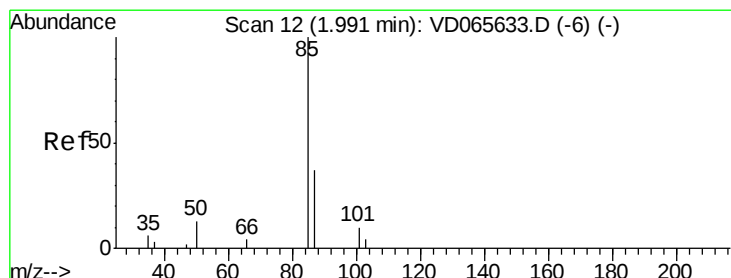
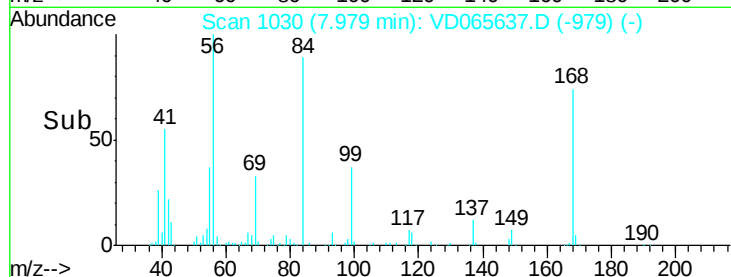
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 92.897 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065637.D

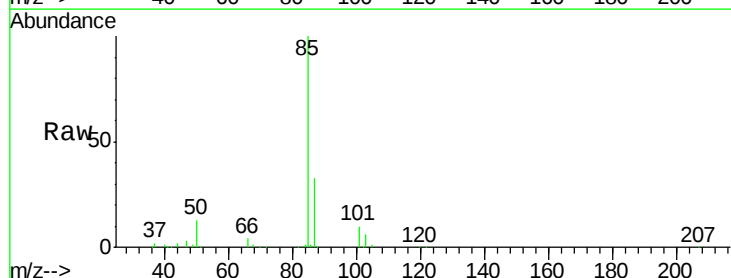
Acq: 15 Apr 2020 16:00

Tgt Ion: 85 Resp: 215327

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

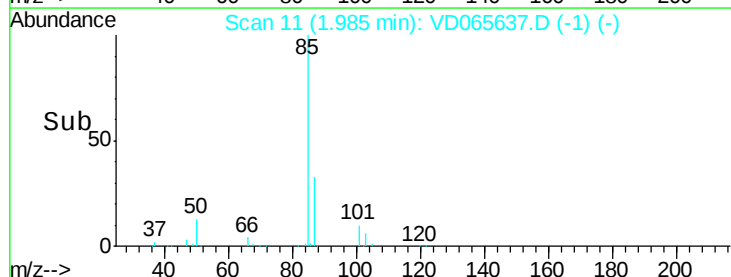
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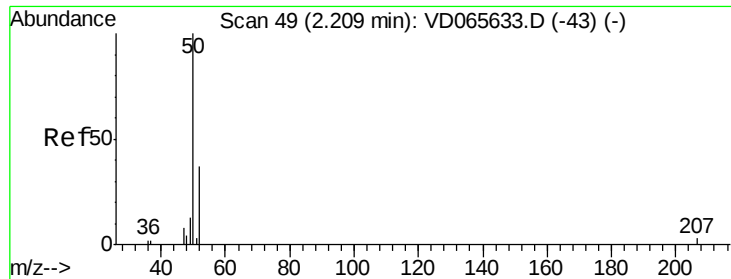
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 79.945 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 226182

Ion Ratio Lower Upper

50 100

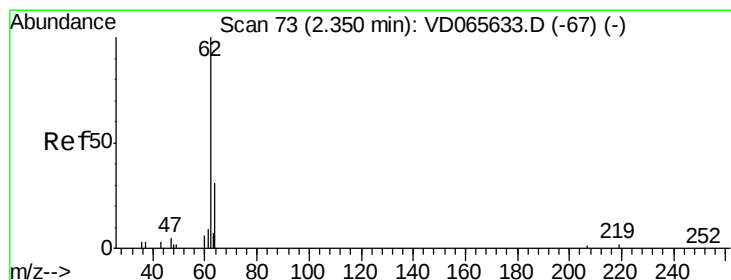
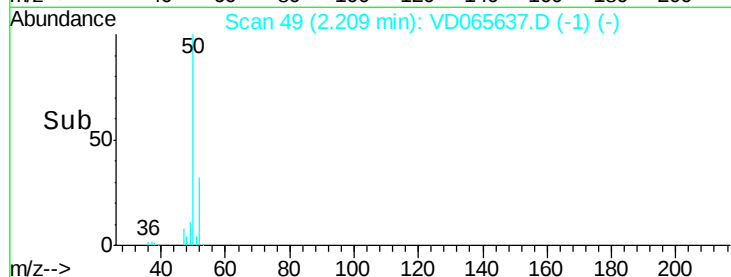
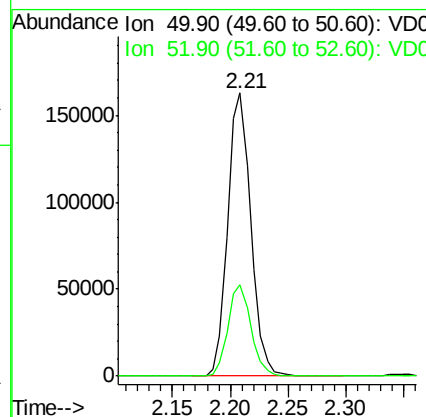
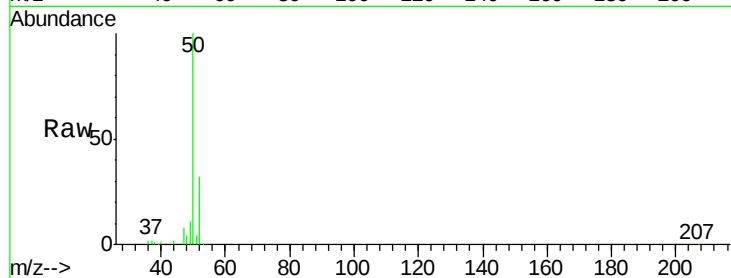
52 32.1 25.7 38.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 91.907 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065637.D

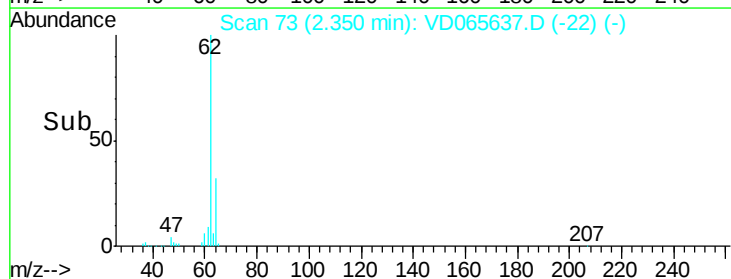
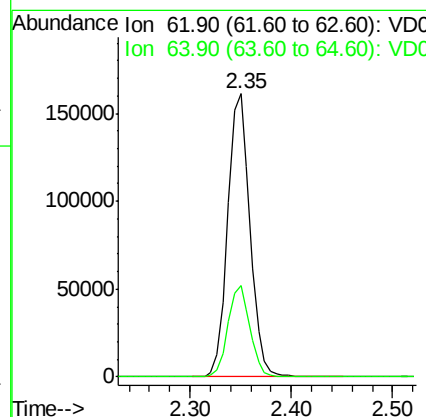
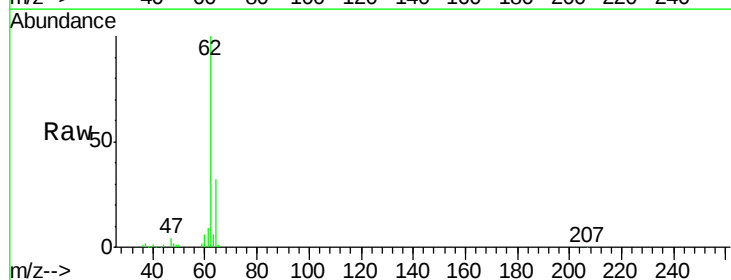
Acq: 15 Apr 2020 16:00

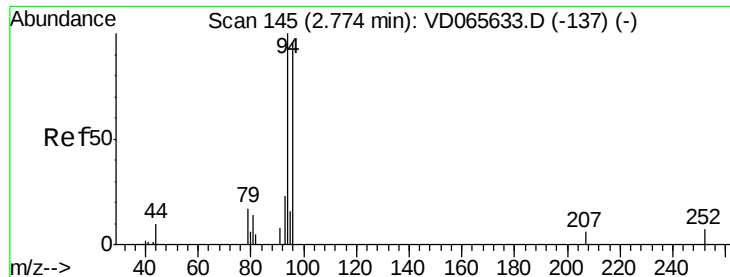
Tgt Ion: 62 Resp: 246236

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 74.097 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 135626

Ion Ratio Lower Upper

94 100

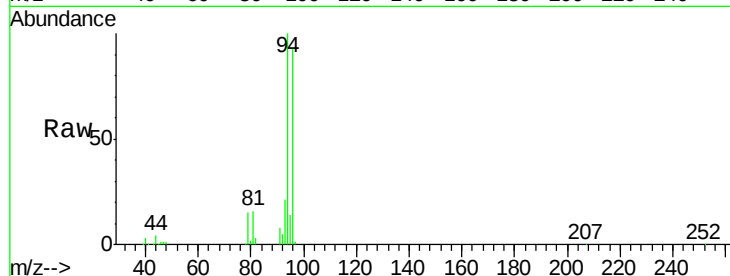
96 93.2 77.9 116.9

Manual Integrations

APPROVED

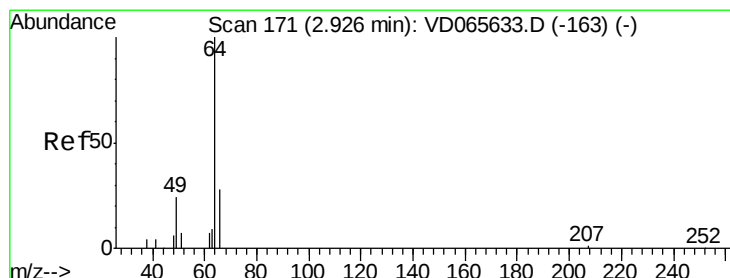
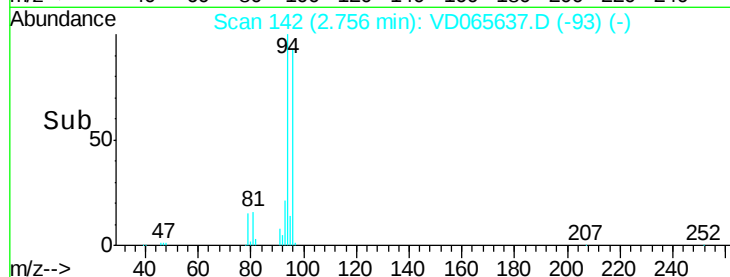
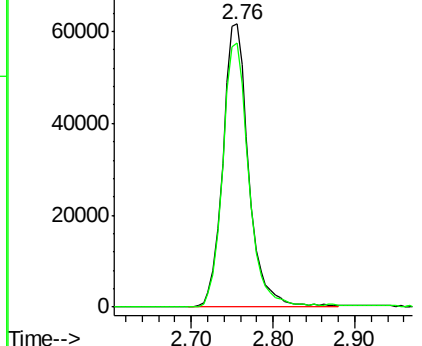
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 86.940 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065637.D

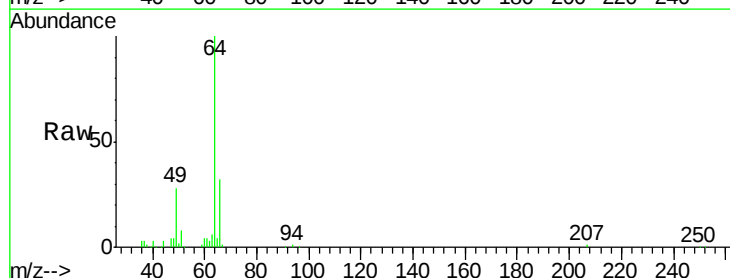
Acq: 15 Apr 2020 16:00

Tgt Ion: 64 Resp: 143407

Ion Ratio Lower Upper

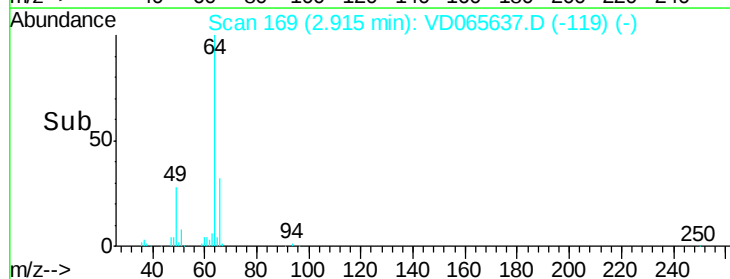
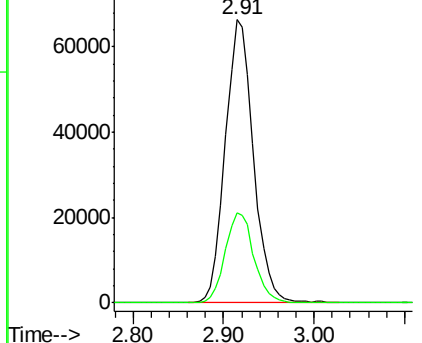
64 100

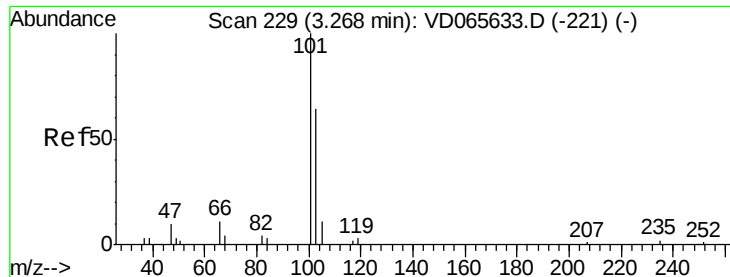
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

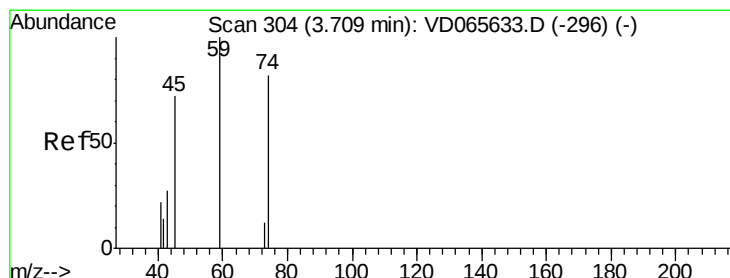
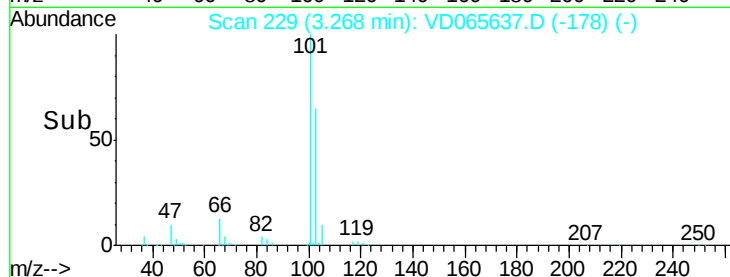
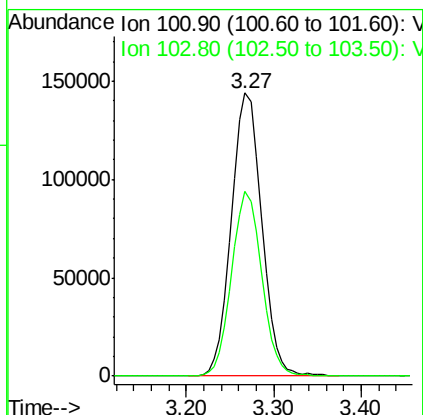
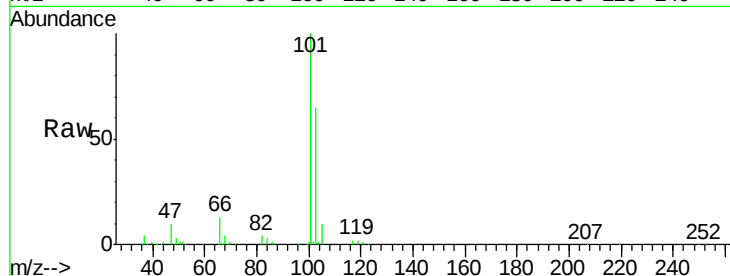
Trichlorofluoromethane
 Concen: 84.055 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4

Manual Integrations
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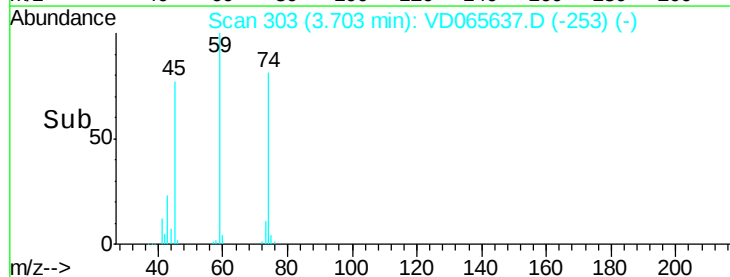
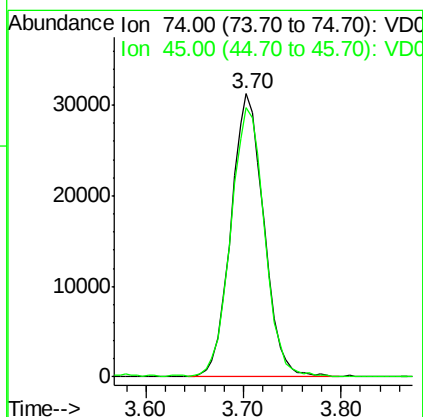
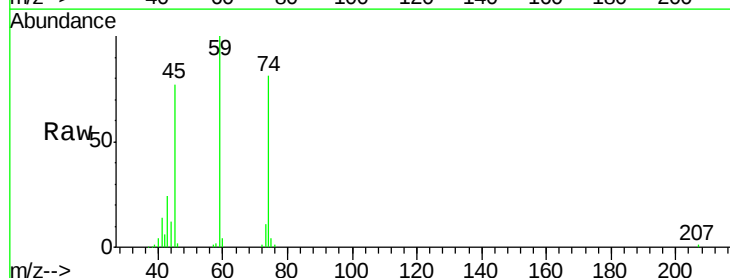
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 4/16/2020 3:13:38 PM

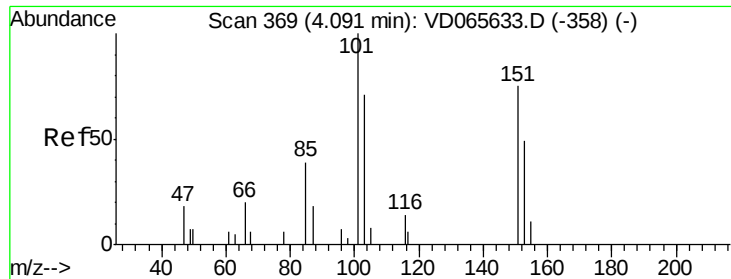


#8

Diethyl Ether
 Concen: 88.299 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 65.077 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

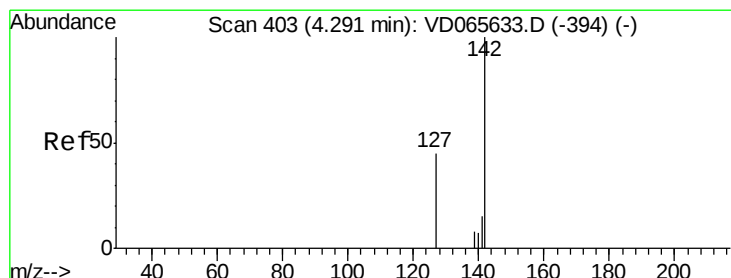
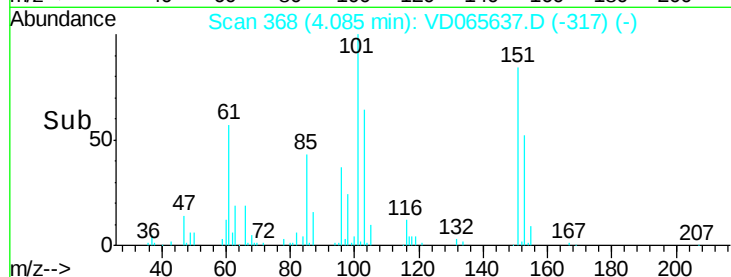
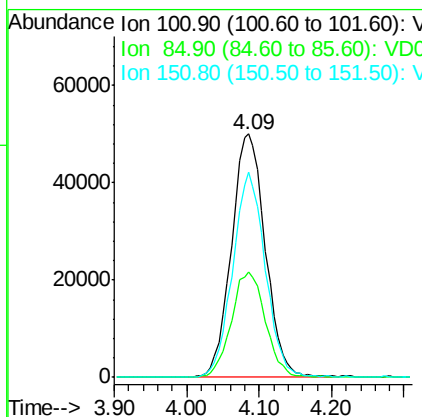
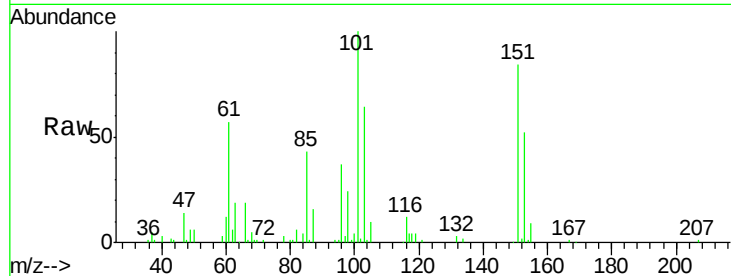
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	162310
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.2	54.2
151	80.9	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 125.597 ug/l

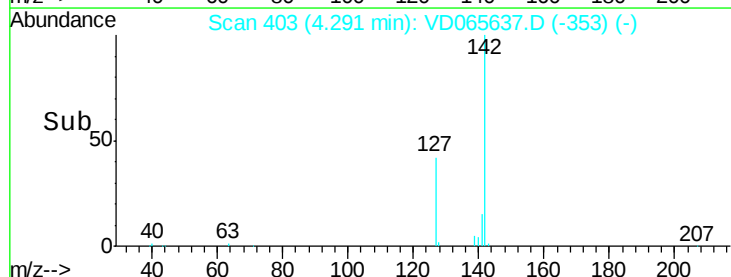
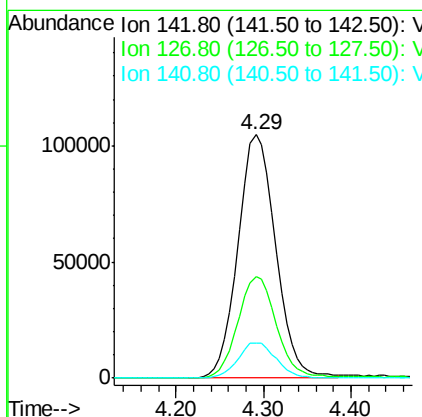
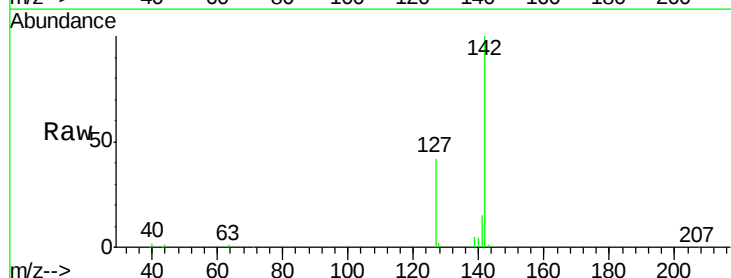
RT: 4.29 min Scan# 403

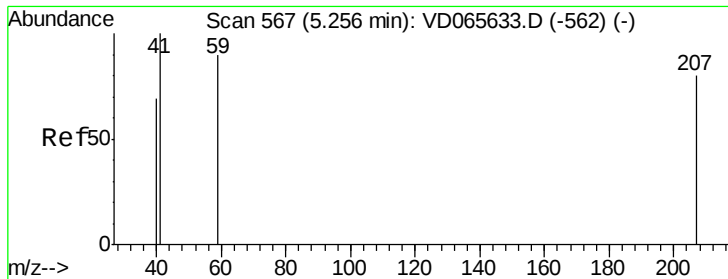
Delta R.T. -0.01 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	142	Resp:	307602
Ion Ratio	Lower	Upper	
142	100		
127	42.7	38.1	57.1
141	14.9	12.1	18.1





#11

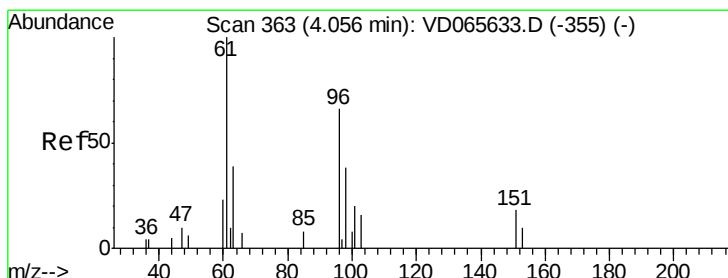
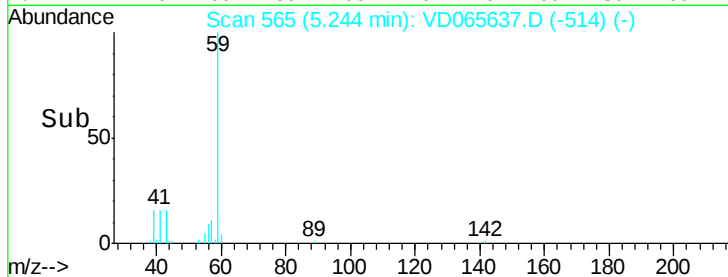
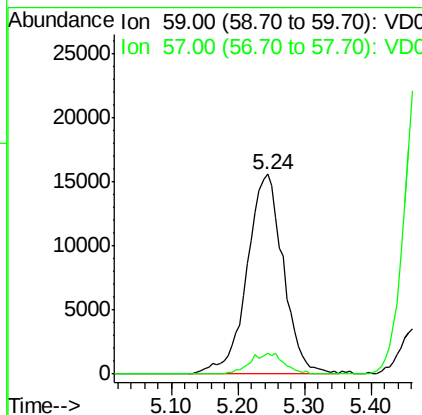
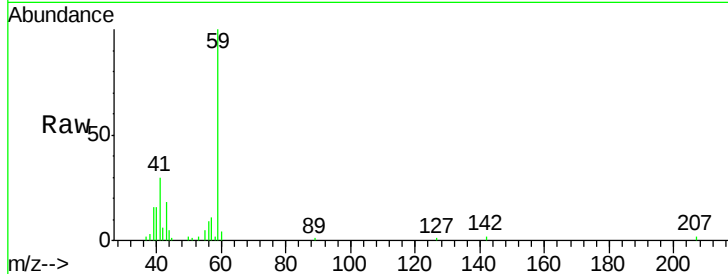
Tert butyl alcohol
Concen: 495.434 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 58337
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2

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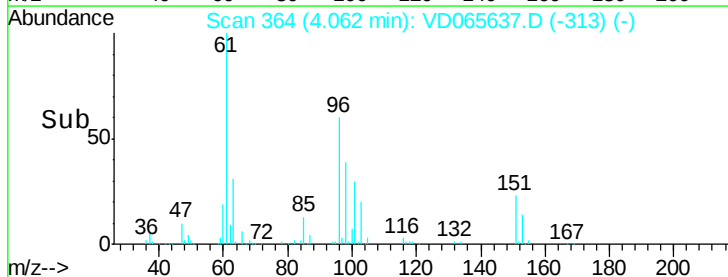
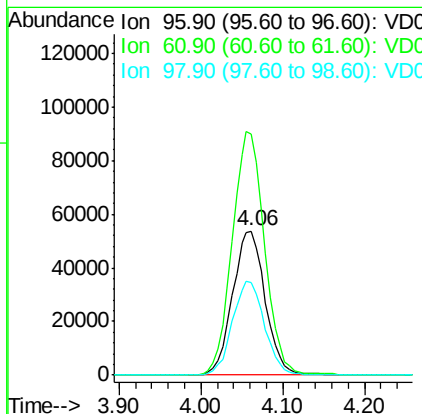
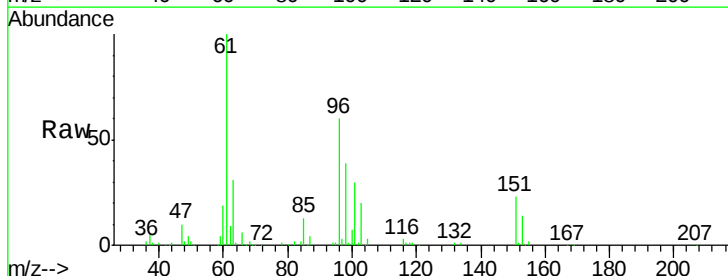
MMDadoda
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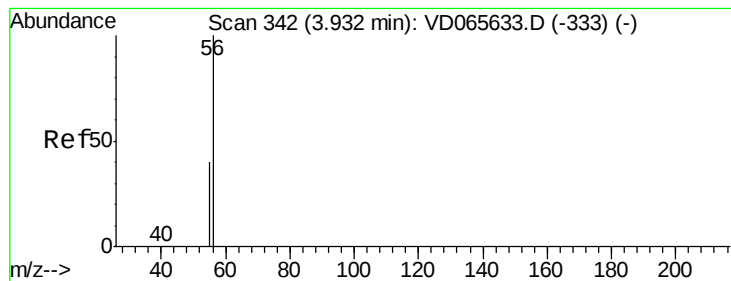


#12

1,1-Dichloroethene
Concen: 65.048 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion: 96 Resp: 149146
Ion Ratio Lower Upper
96 100
61 167.9 136.2 204.2
98 64.8 52.2 78.2





#13

Acrolein

Concen: 316.653 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 51886

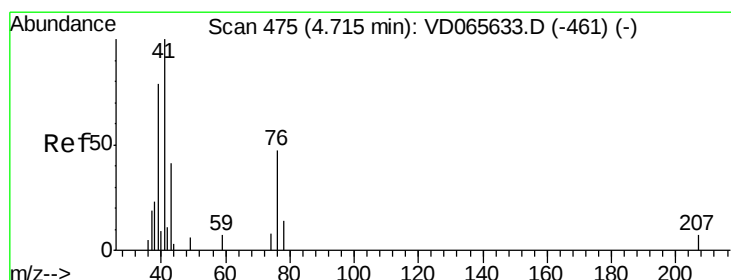
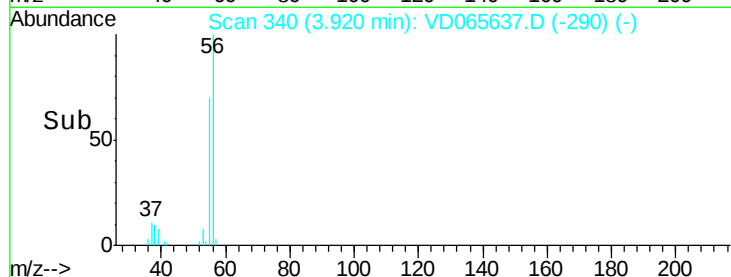
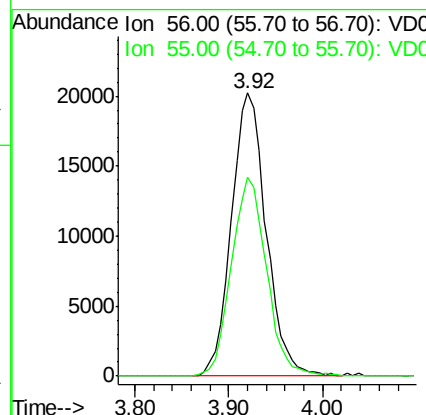
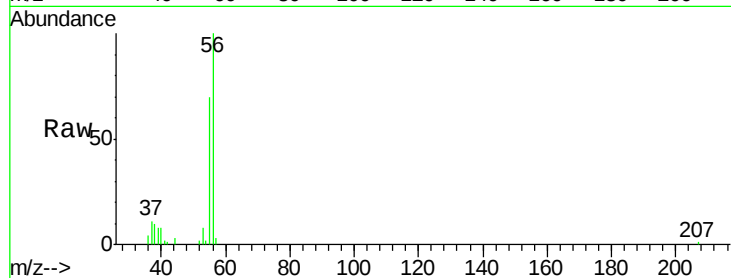
Ion Ratio Lower Upper

56 100

55 71.1 58.2 87.2

Manual Integrations
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#14

Allyl chloride

Concen: 106.258 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

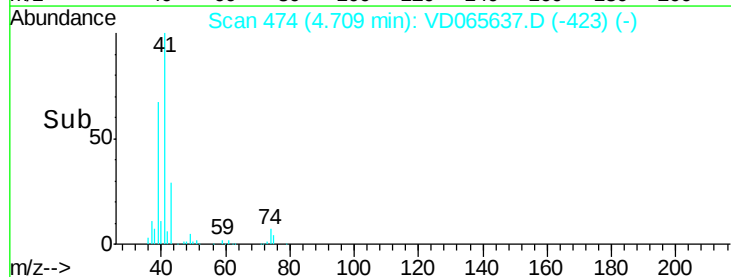
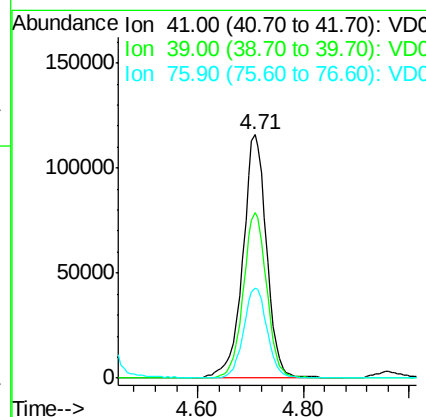
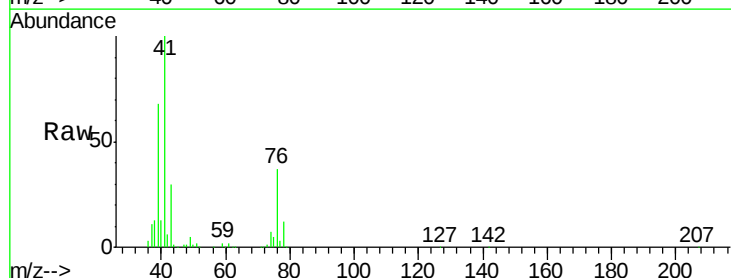
Tgt Ion: 41 Resp: 361731

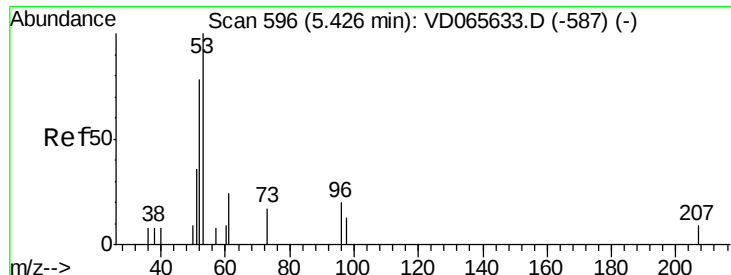
Ion Ratio Lower Upper

41 100

39 67.1 62.5 93.7

76 36.2 29.1 43.7





#15

Acrylonitrile

Concen: 511.499 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

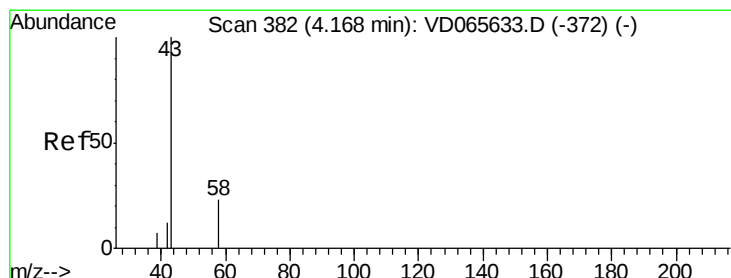
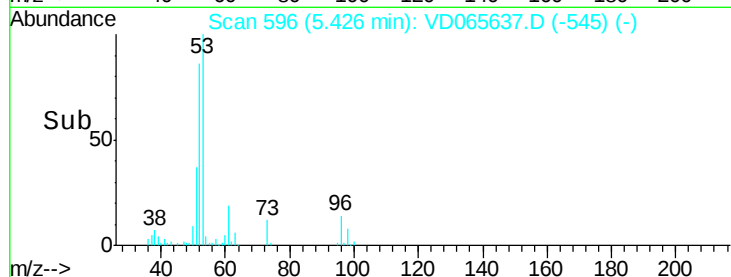
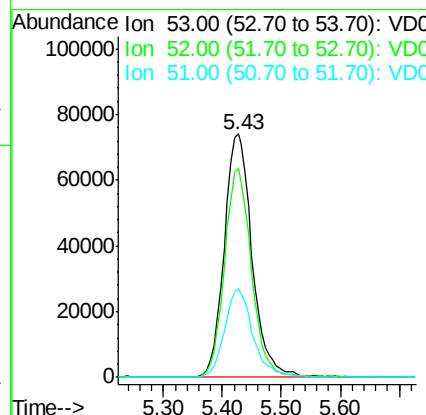
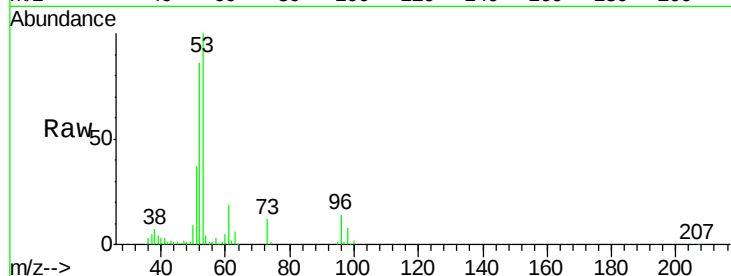
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	243636
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.6
51	36.8	30.9	46.3

Manual Integrations
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#16

Acetone

Concen: 343.136 ug/l

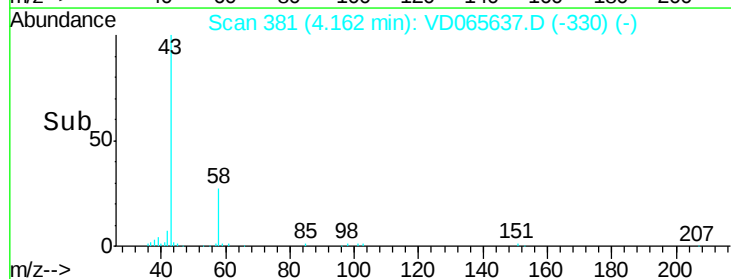
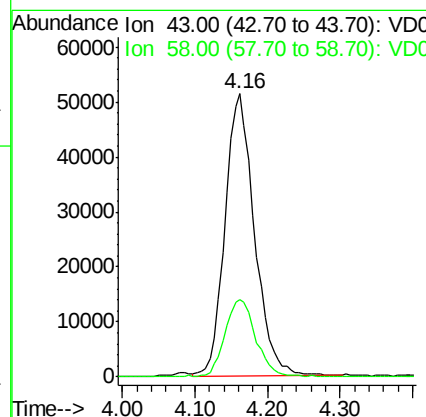
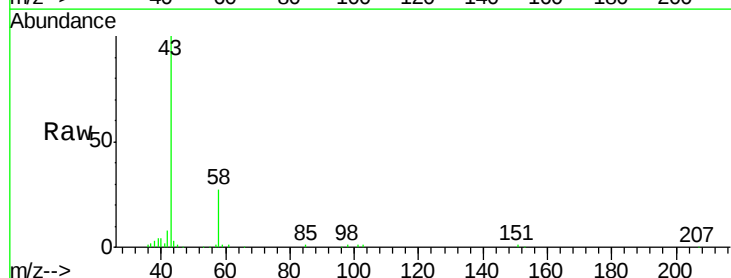
RT: 4.16 min Scan# 381

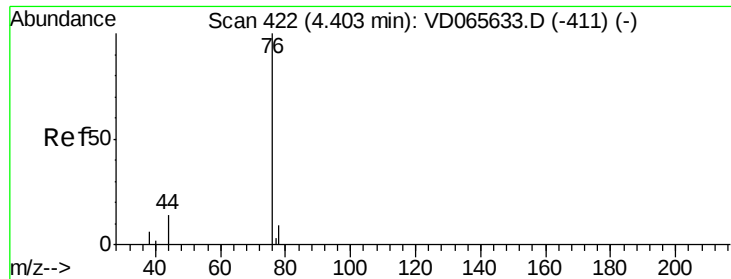
Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	43	Resp:	145505
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.9	34.3





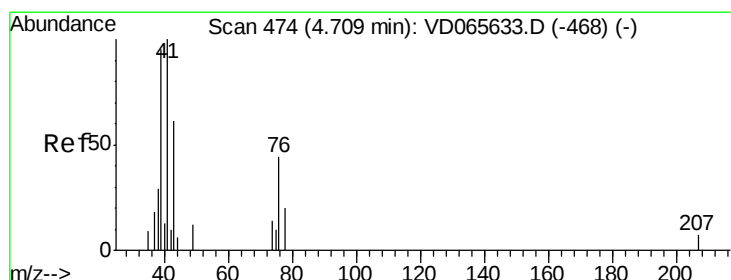
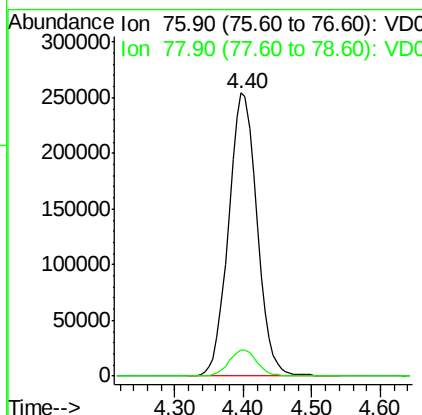
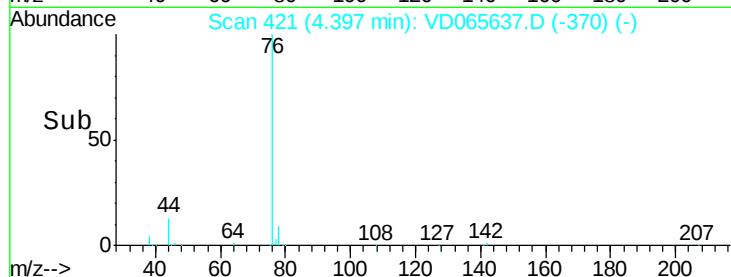
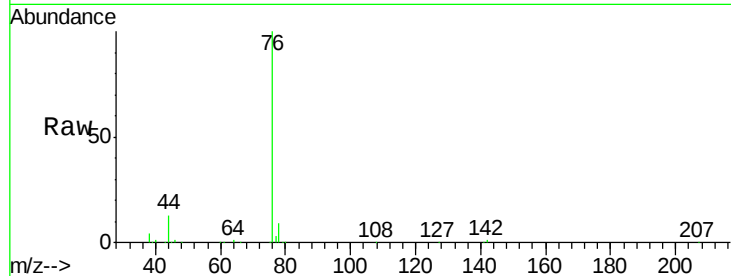
#17
Carbon Disulfide
Concen: 96.342 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 734552
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

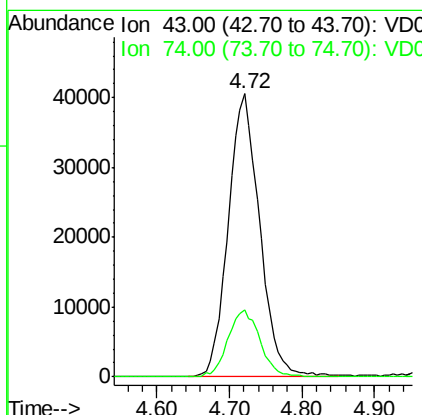
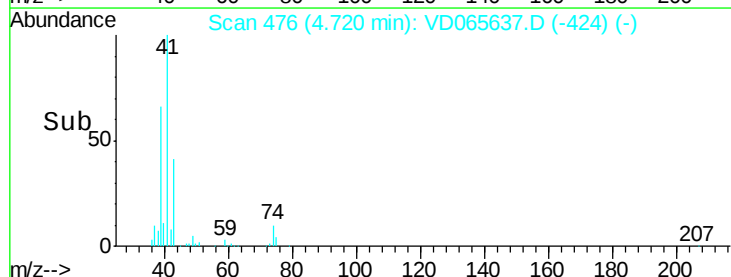
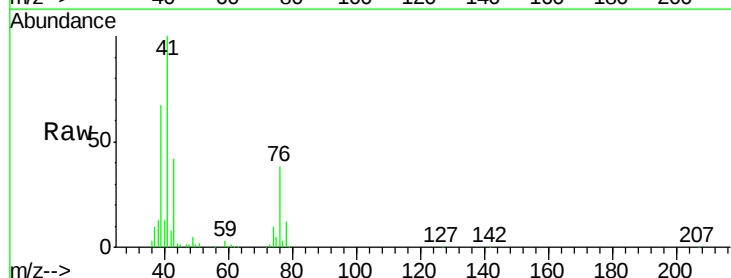
Manual Integrations
APPROVED

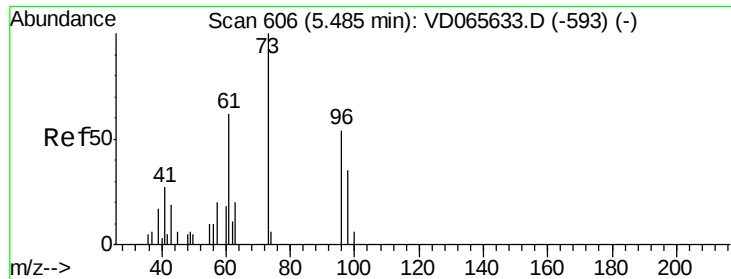
MMDadoda
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#18
Methyl Acetate
Concen: 99.208 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion: 43 Resp: 122317
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0





#19

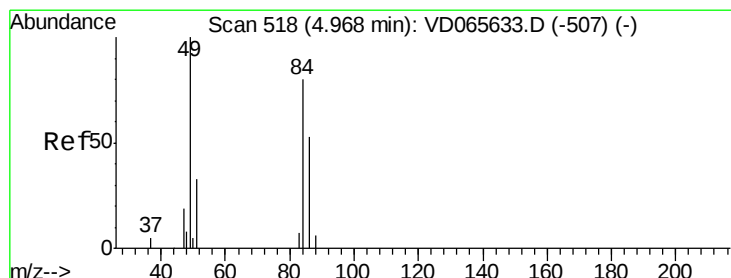
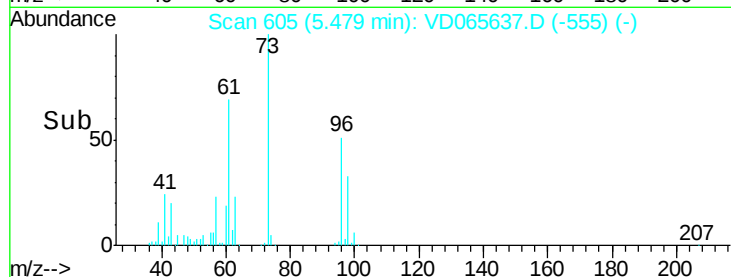
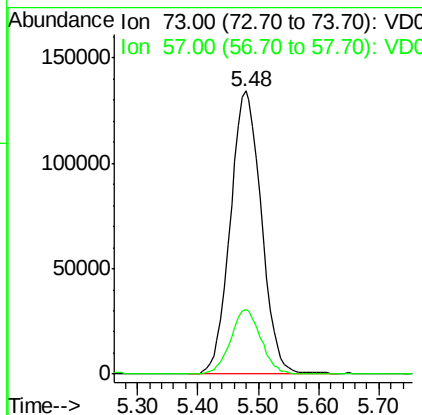
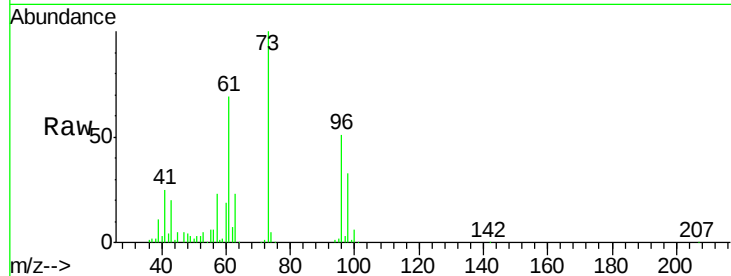
Methyl tert-butyl Ether
 Concen: 106.110 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 479147
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.8 26.8

Manual Integrations
 APPROVED

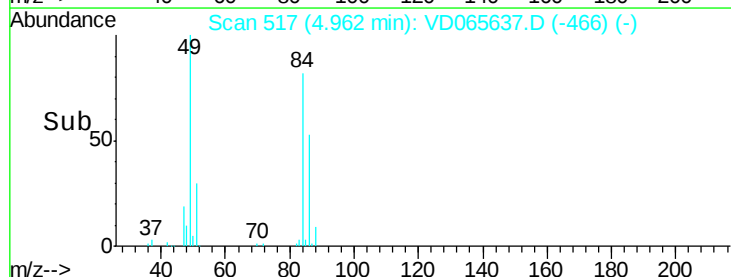
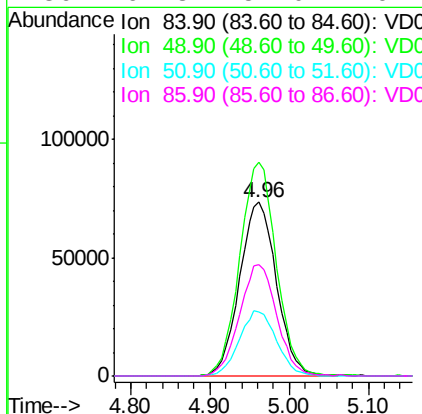
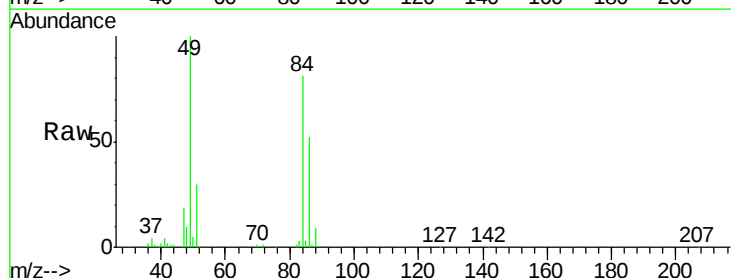
MMDadoda
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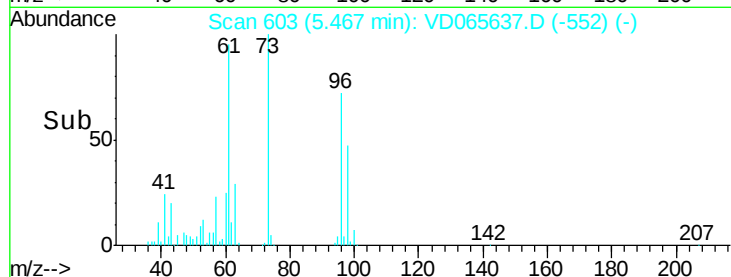
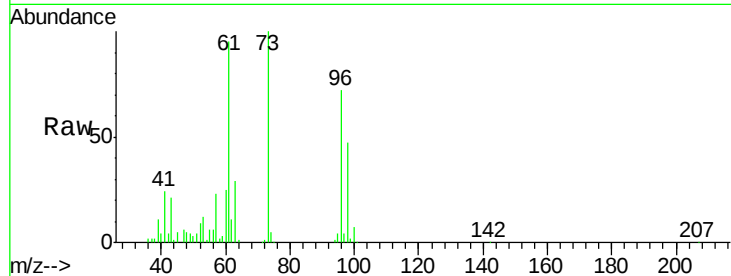
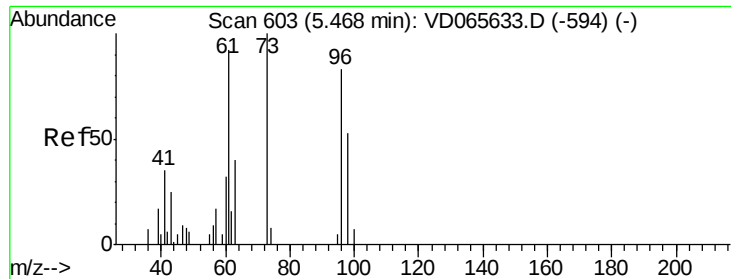


#20

Methylene Chloride
 Concen: 86.432 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion: 84 Resp: 237629
 Ion Ratio Lower Upper
 84 100
 49 123.1 102.0 153.0
 51 36.9 30.8 46.2
 86 64.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 97.223 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tot Ion:	96	Resp:	253397
Ion Ratio	Lower	Upper	
96	100		
61	132.7	102.6	153.8
98	64.9	49.4	74.0

Instrument :

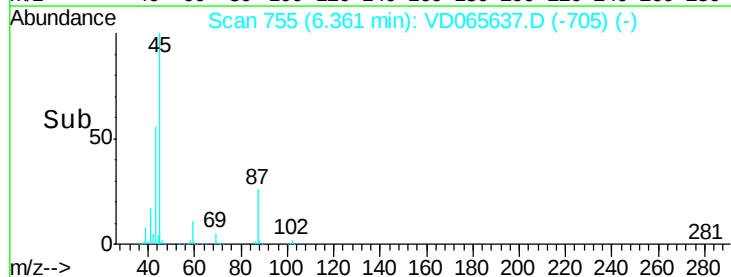
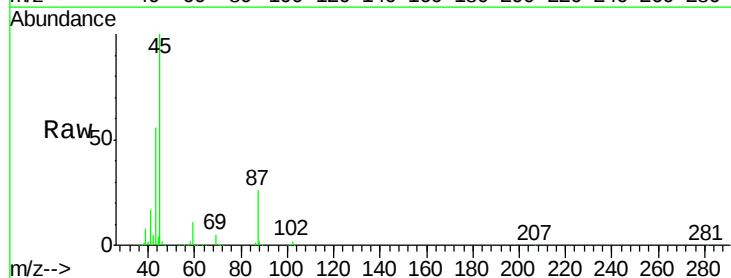
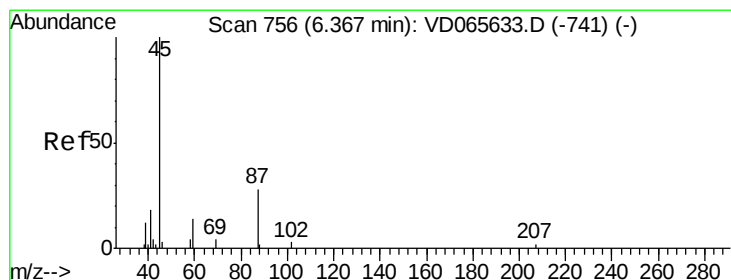
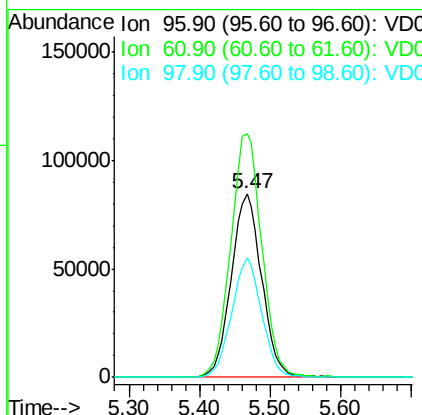
MSVOA_D

ClientSampleId :

VSTDIC100

Manual Integrations
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#22

Diisopropyl ether

Concen: 101.066 ug/l

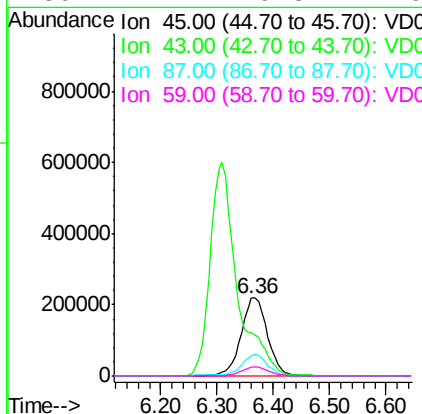
RT: 6.36 min Scan# 755

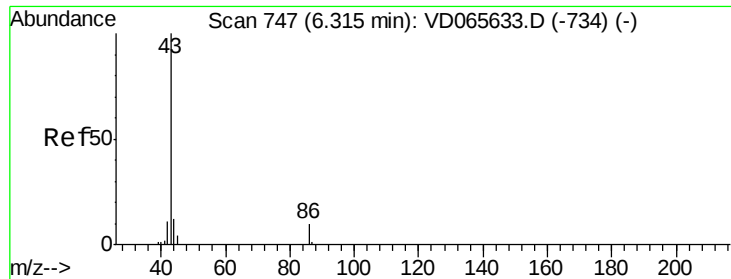
Delta R.T. -0.01 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	45	Resp:	716789
Ion Ratio	Lower	Upper	
45	100		
43	55.6	42.2	63.2
87	26.1	22.1	33.1
59	11.2	9.8	14.6





#23

Vinyl Acetate

Concen: 531.611 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tot Ion: 43 Resp: 2010951

Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

Instrument :

MSVOA_D

ClientSampleId :

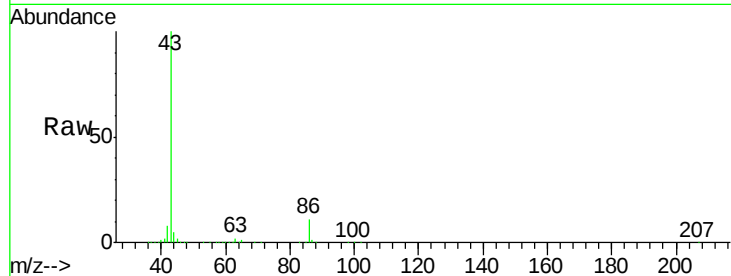
VSTDIC100

Manual Integrations

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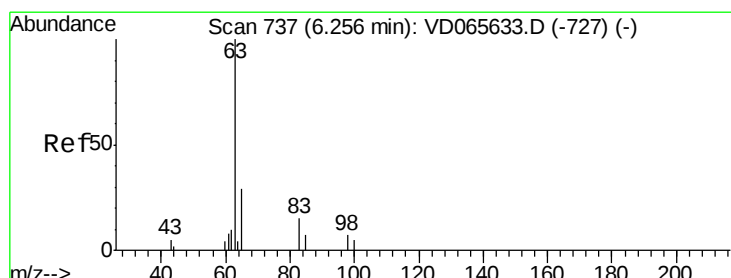
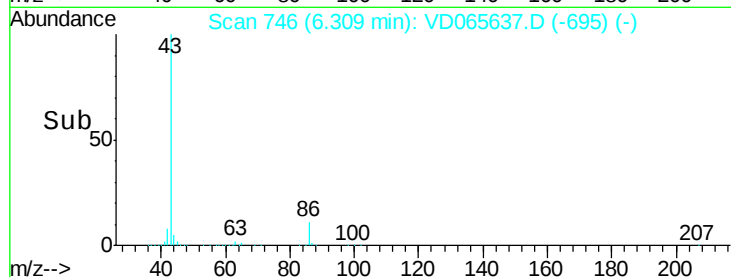
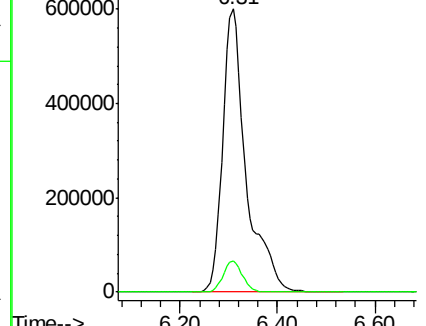
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 89.269 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

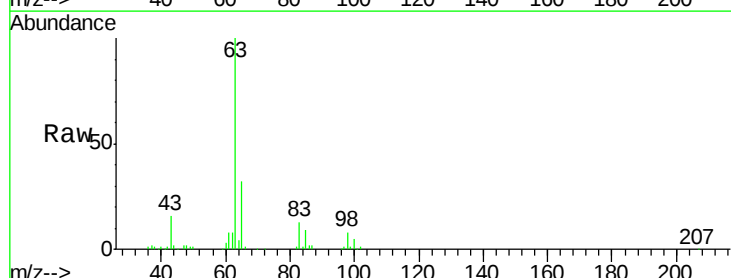
Tgt Ion: 63 Resp: 416311

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.8

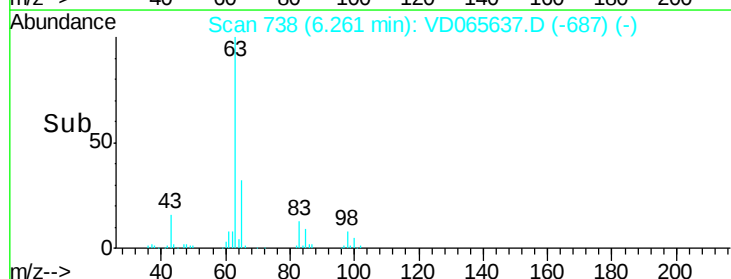
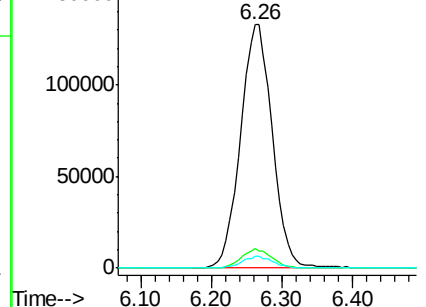
100 4.7 2.4 7.2

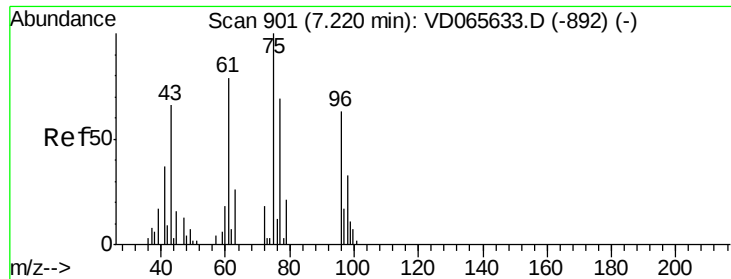


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 477.666 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 295490

Ion Ratio Lower Upper

43 100

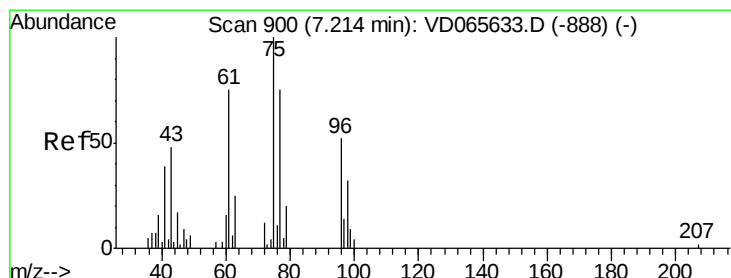
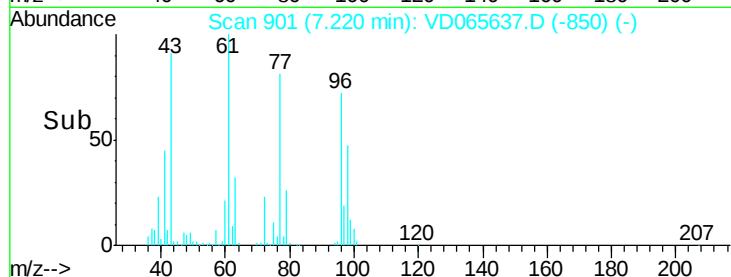
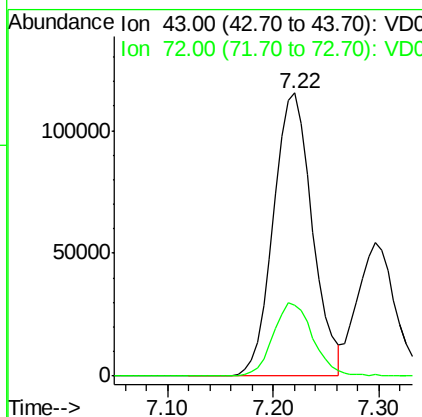
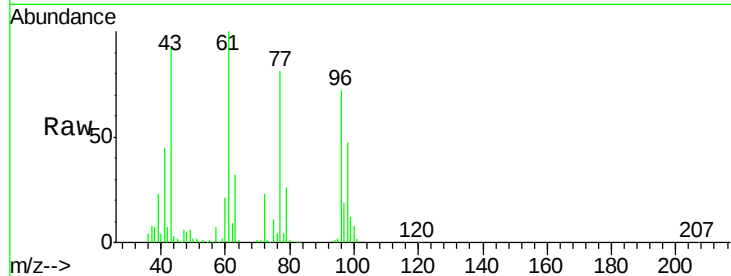
72 25.0 20.5 30.7

Manual Integrations

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MMDadoda

4/16/2020 3:13:38 PM



#26

2,2-Dichloropropane

Concen: 87.802 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065637.D

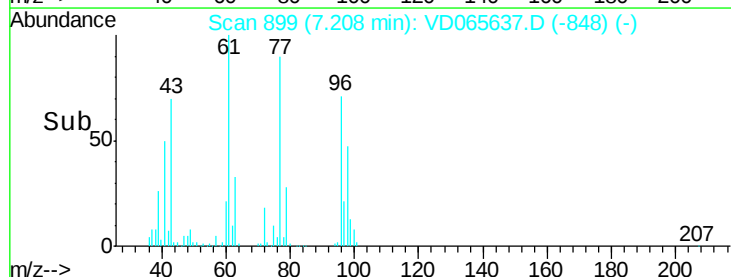
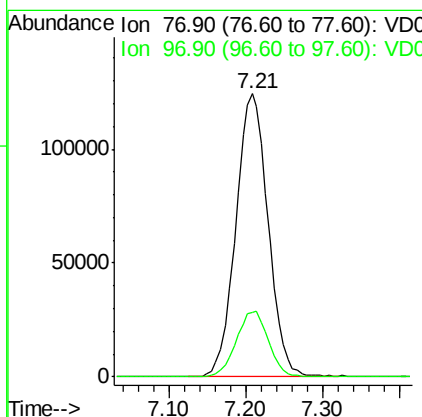
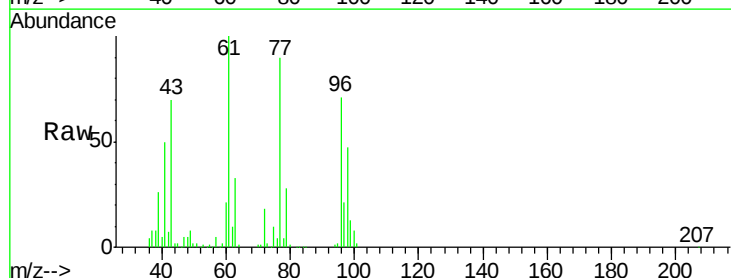
Acq: 15 Apr 2020 16:00

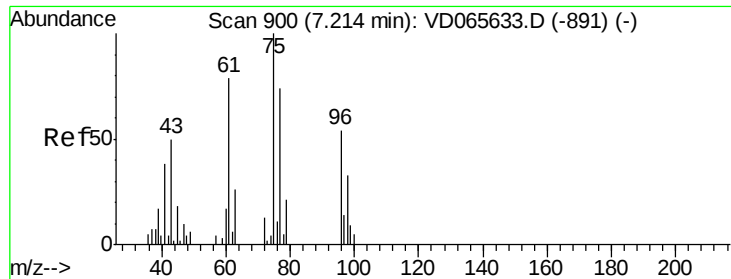
Tgt Ion: 77 Resp: 364717

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

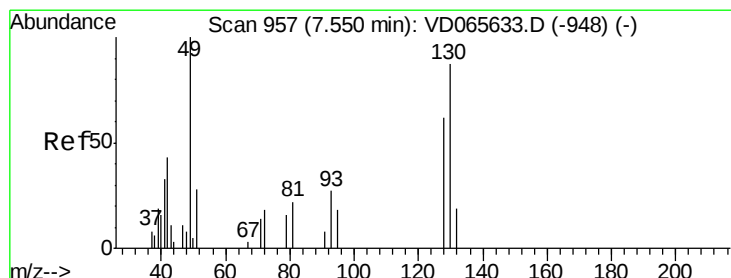
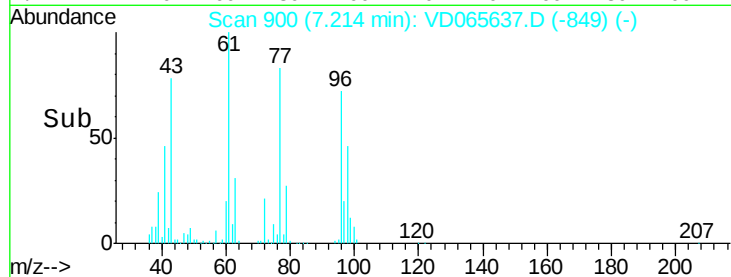
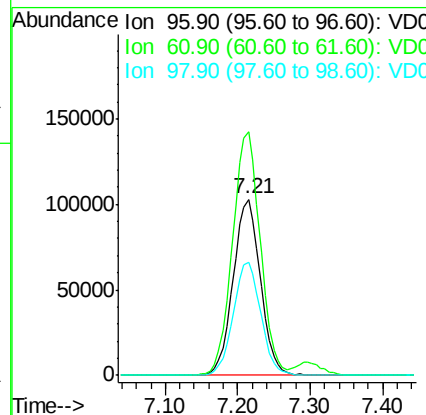
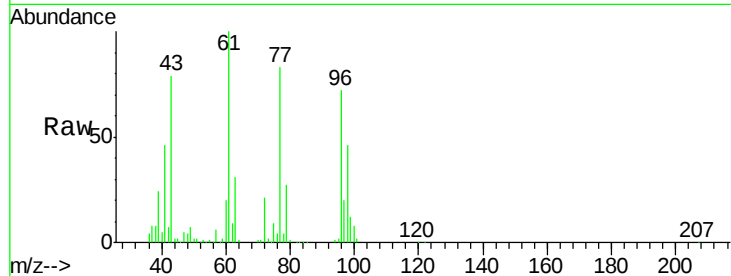
cis-1,2-Dichloroethene
 Concen: 94.763 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	269760		
61	140.4	0.0	286.2	
98	64.6	0.0	128.0	

Manual Integrations
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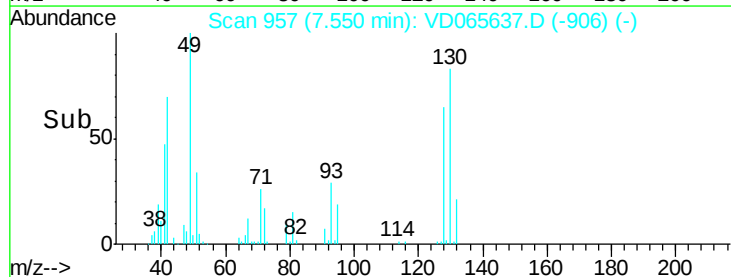
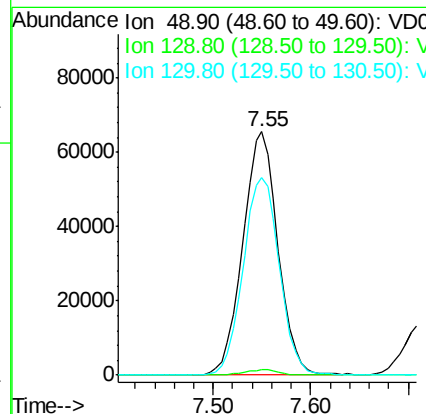
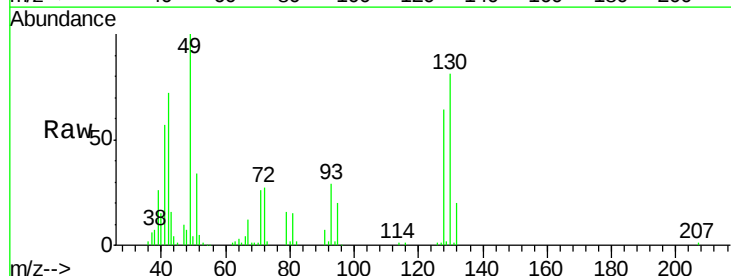
MMDadoda
 4/16/2020 3:13:38 PM

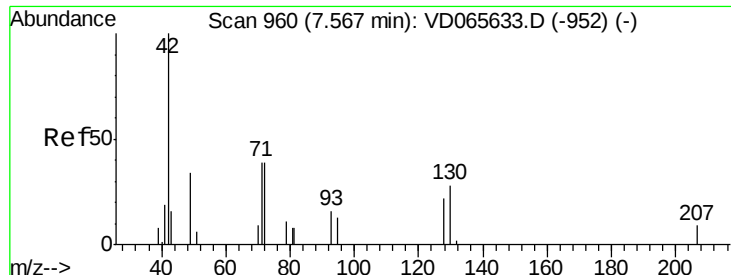


#28

Bromochloromethane
 Concen: 86.811 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164503		
129	2.2	0.0	4.2	
130	84.0	66.2	99.2	





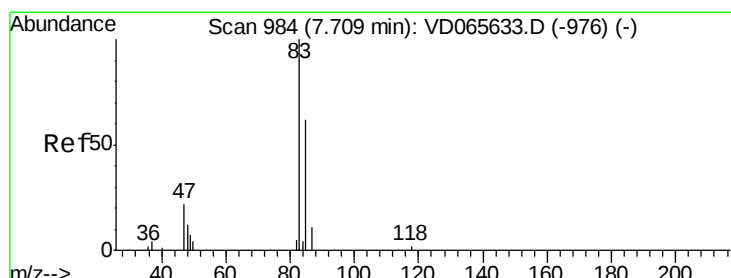
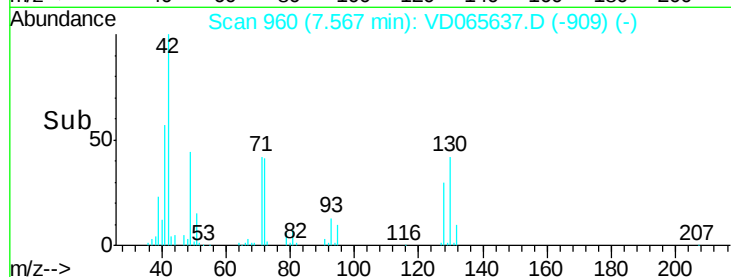
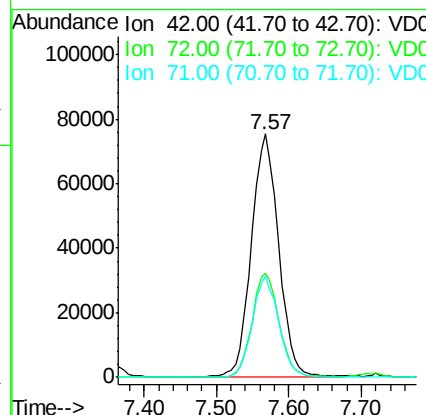
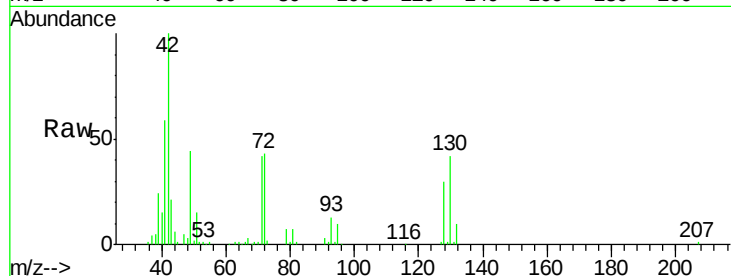
#29
Tetrahydrofuran
Concen: 506.859 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.4	51.6
71	39.9	31.4	47.0

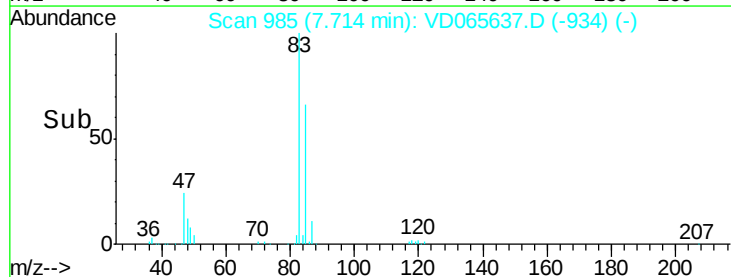
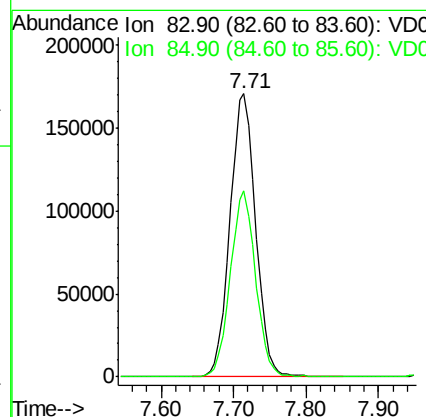
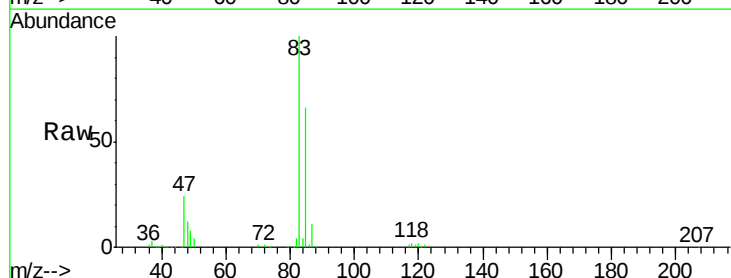
Manual Integrations
APPROVED

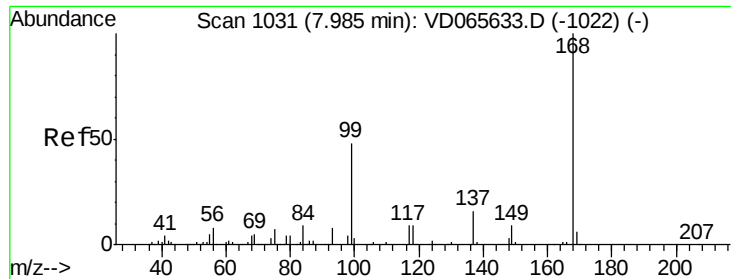
MMDadoda
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#30
Chloroform
Concen: 86.316 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





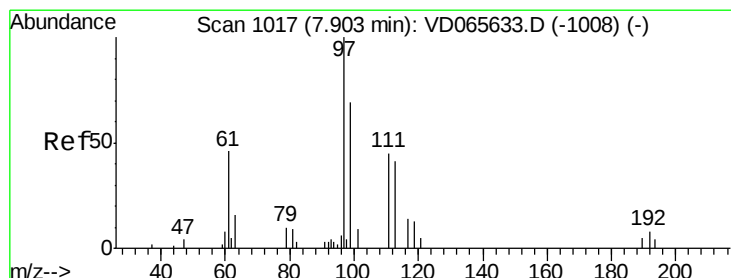
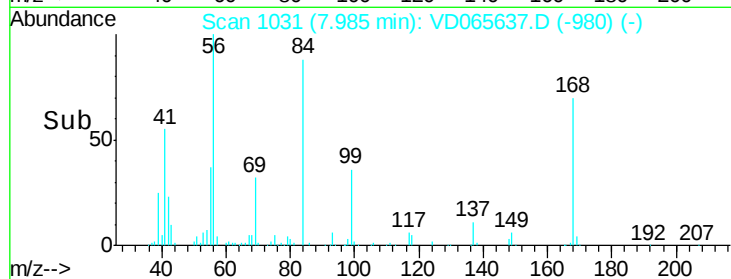
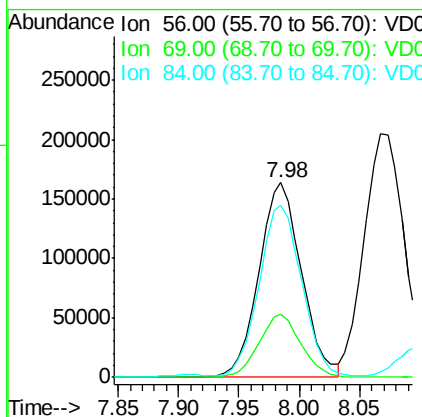
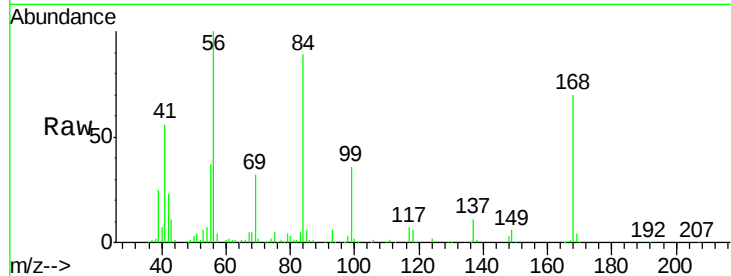
#31
Cyclohexane
Concen: 92.169 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	32.2	26.6	40.0	
84	87.3	75.3	112.9	

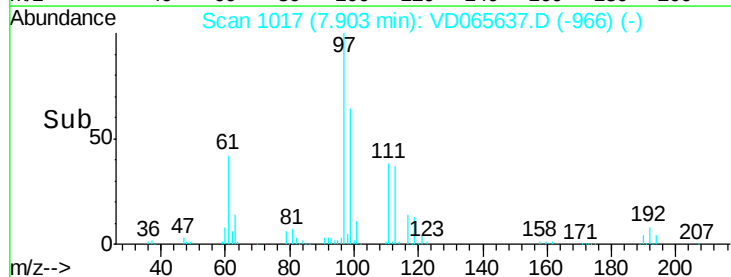
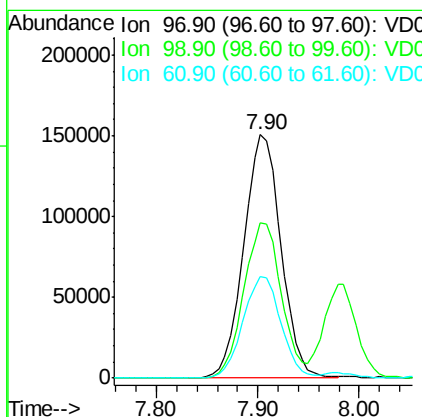
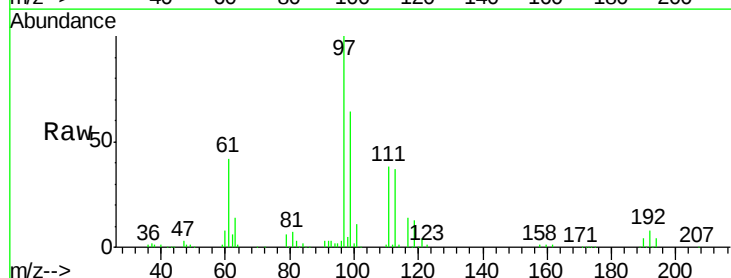
Manual Integrations
APPROVED

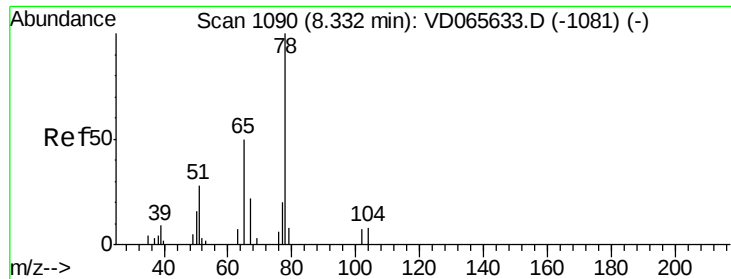
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 87.538 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	65.0	51.5	77.3	
61	42.6	34.8	52.2	





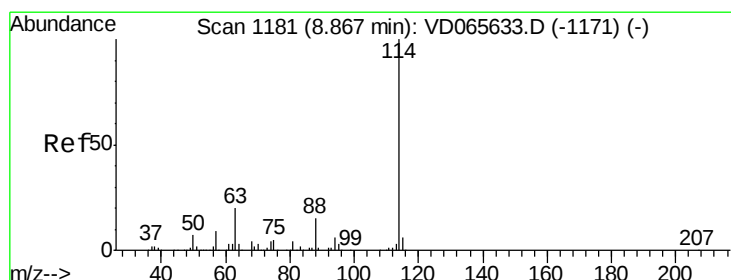
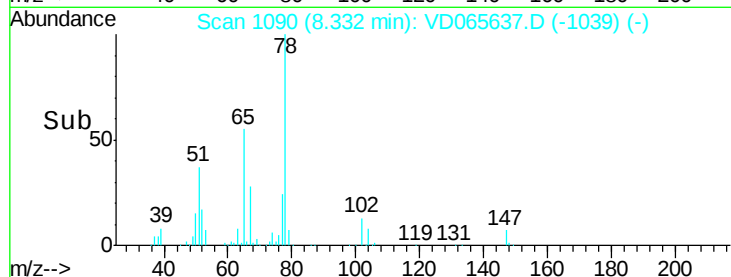
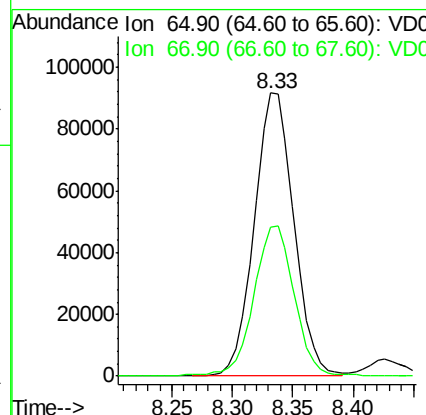
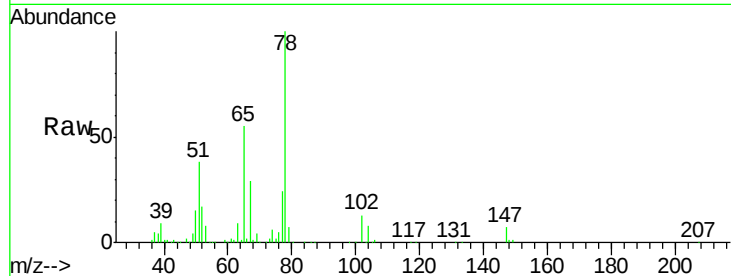
#33
 1,2-Dichloroethane-d4
 Concen: 85.309 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208673		
67	54.4	0.0	105.8	

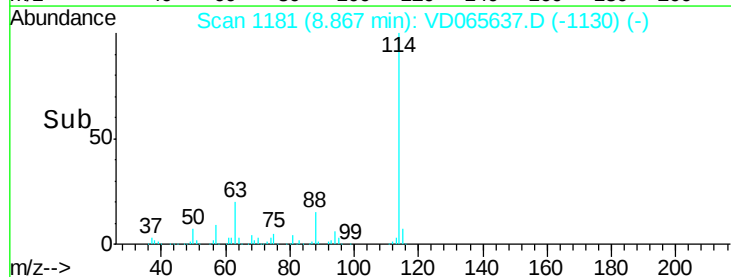
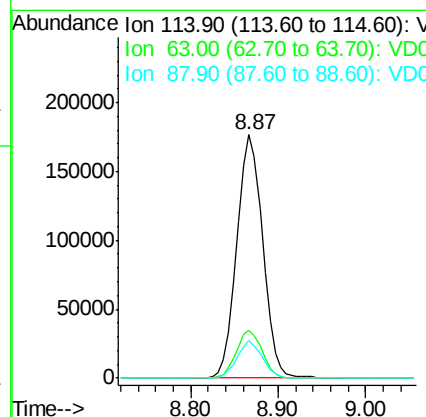
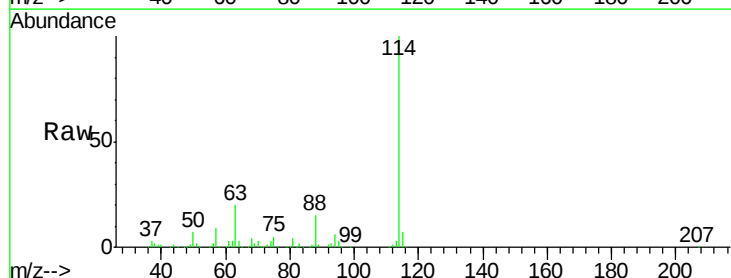
Manual Integrations
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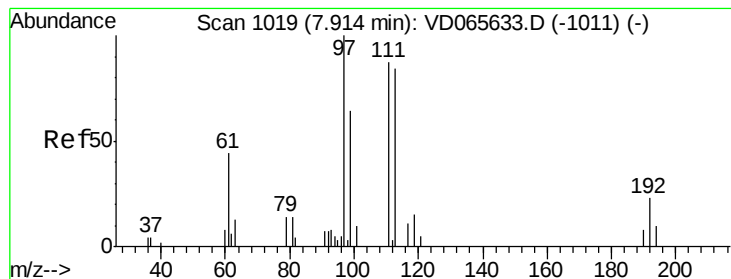
MMDadoda
 4/16/2020 3:13:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354754		
63	19.5	0.0	40.8	
88	15.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 90.260 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 219810

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

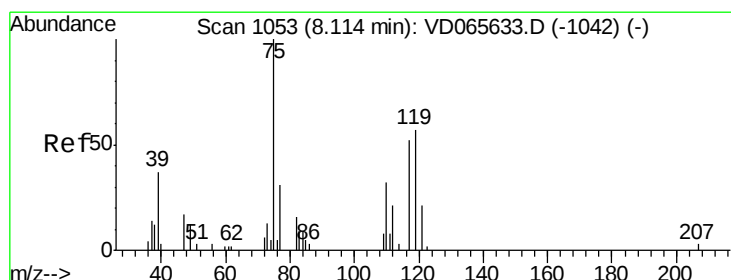
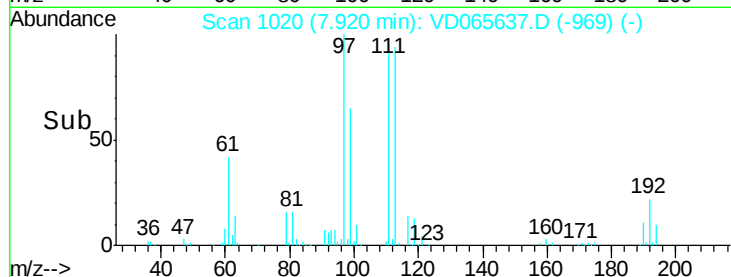
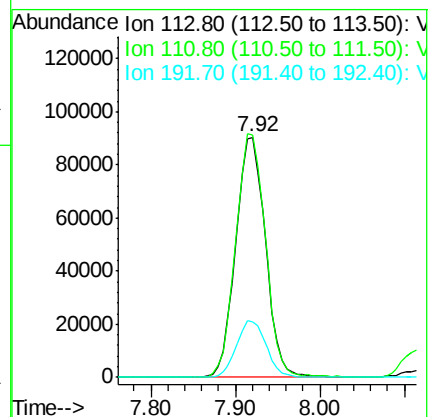
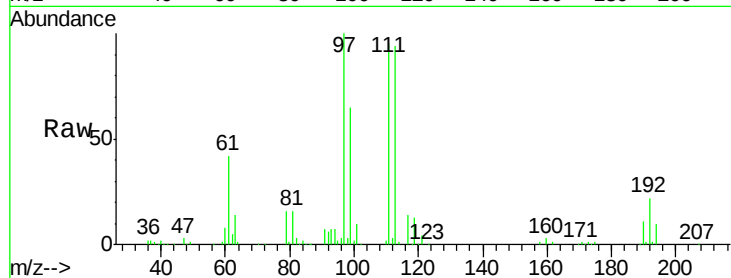
192 23.2 18.9 28.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 96.147 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

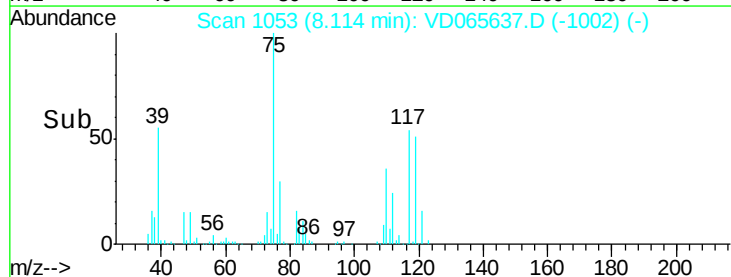
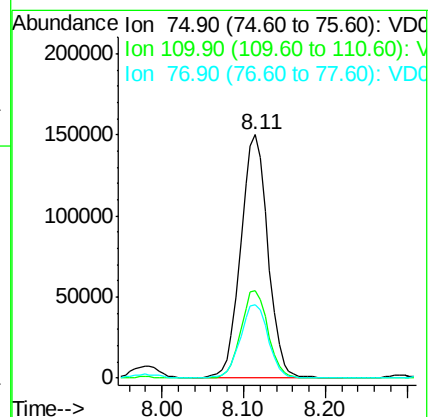
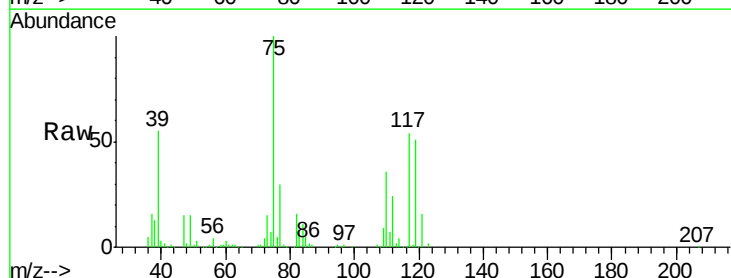
Tgt Ion: 75 Resp: 345632

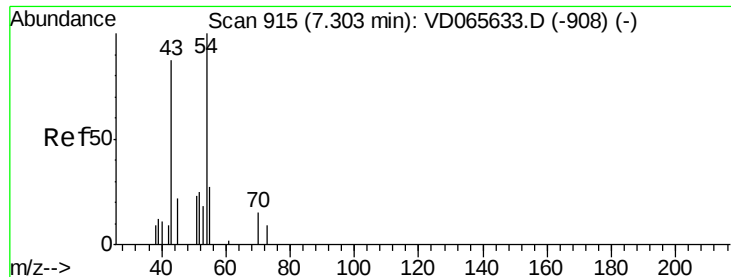
Ion Ratio Lower Upper

75 100

110 36.2 18.3 54.8

77 31.5 24.6 37.0





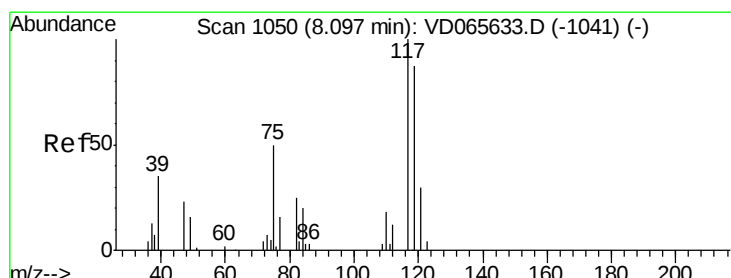
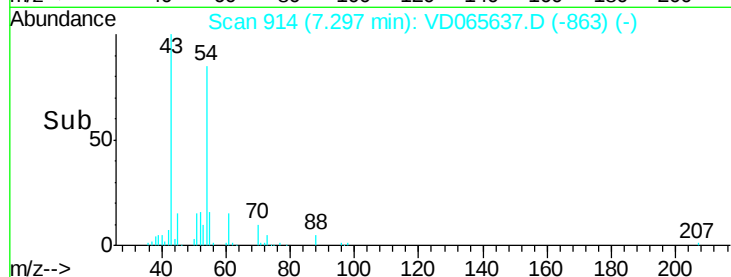
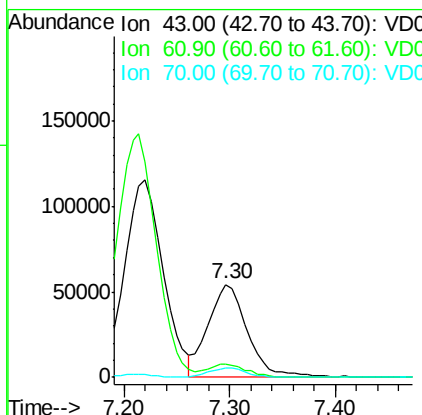
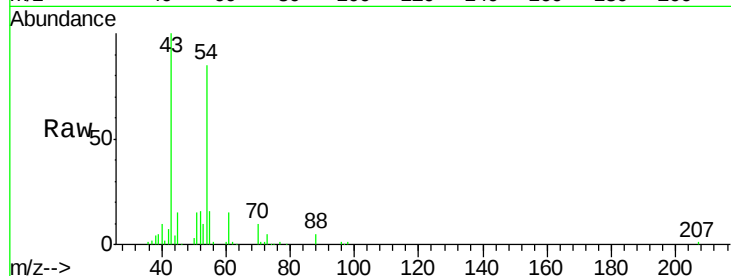
#37
Ethyl Acetate
Concen: 98.850 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	9.8	7.9	11.9

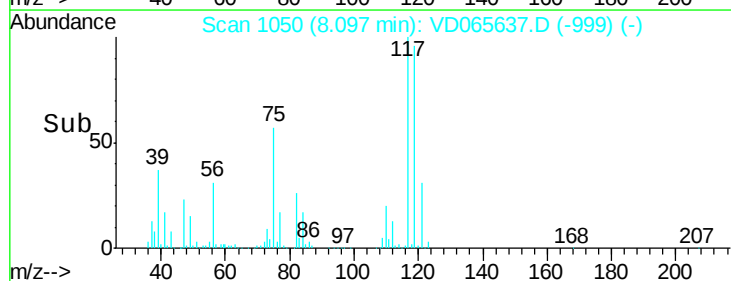
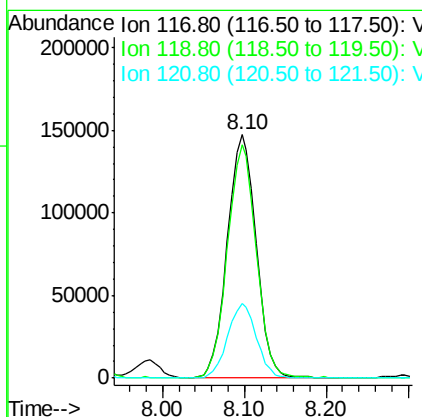
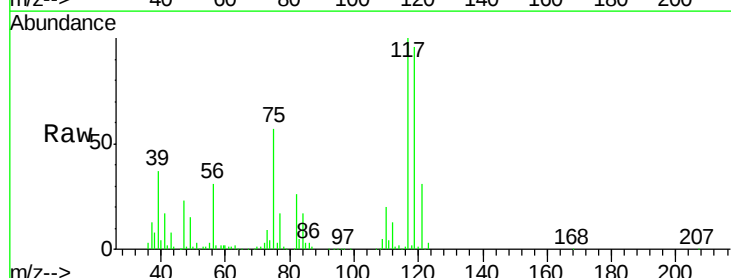
Manual Integrations
APPROVED

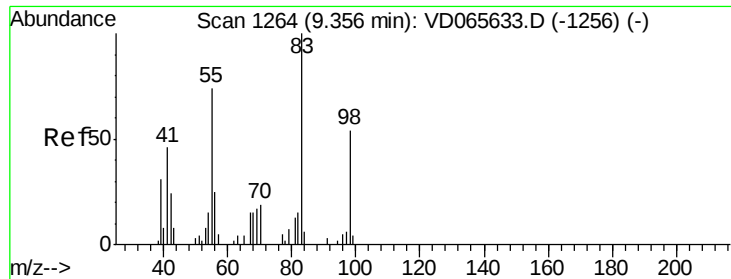
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#38
Carbon Tetrachloride
Concen: 92.337 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.8	24.9	37.3





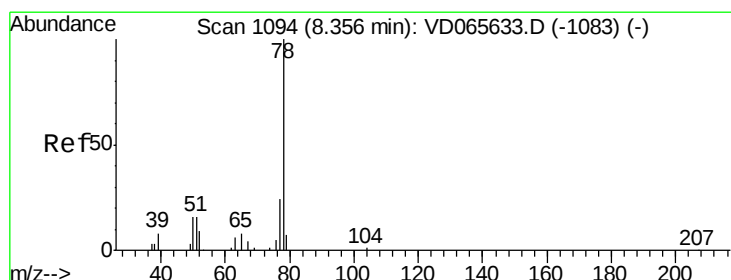
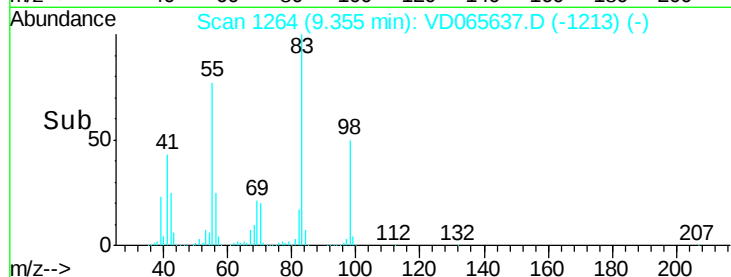
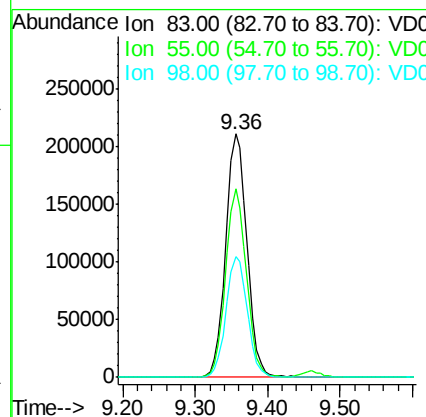
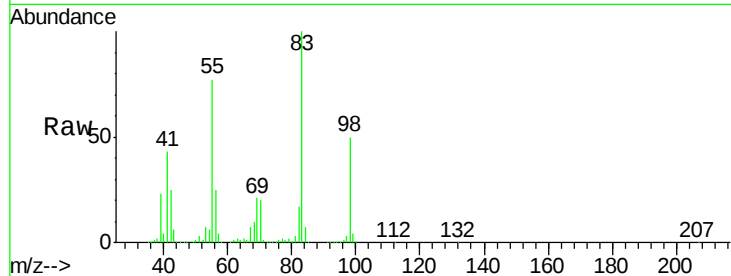
#39
Methvlcvclohexane
Concen: 106.240 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.3	93.5
98	49.8	40.5	60.7

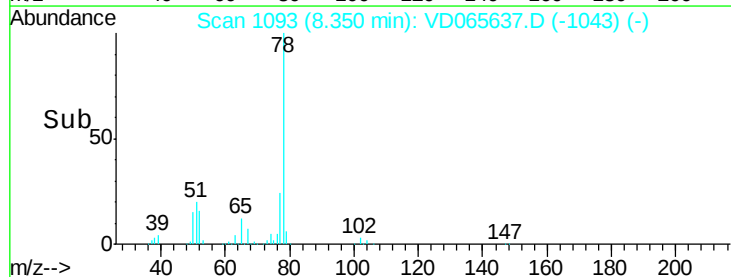
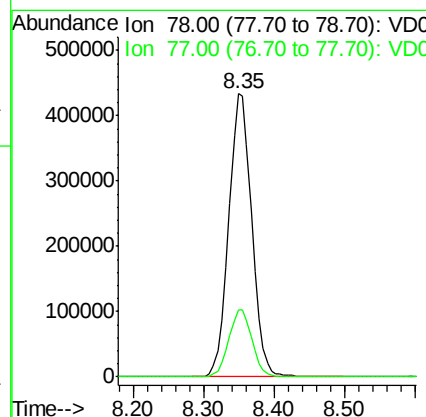
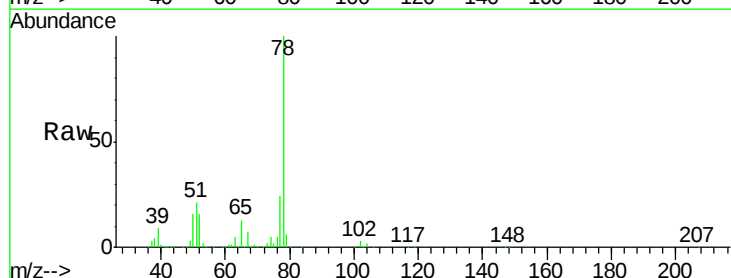
Manual Integrations
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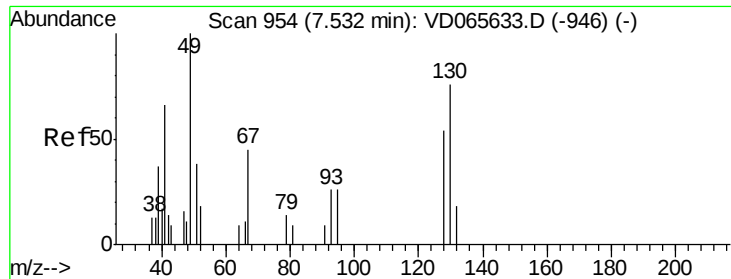
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#40
Benzene
Concen: 95.319 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





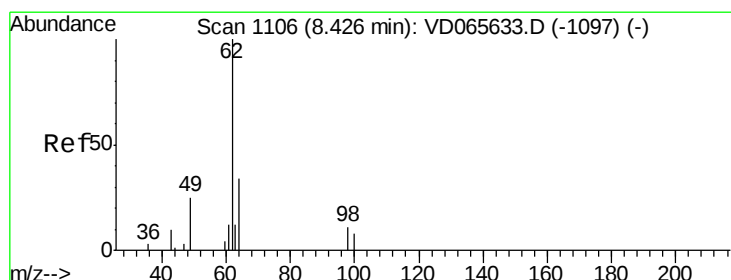
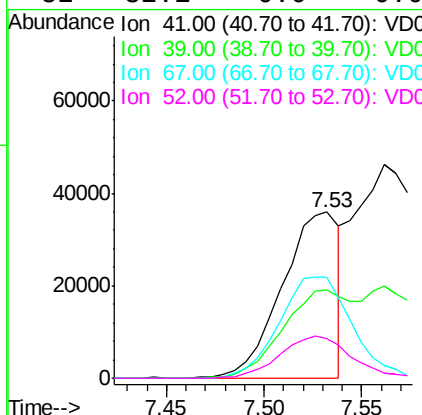
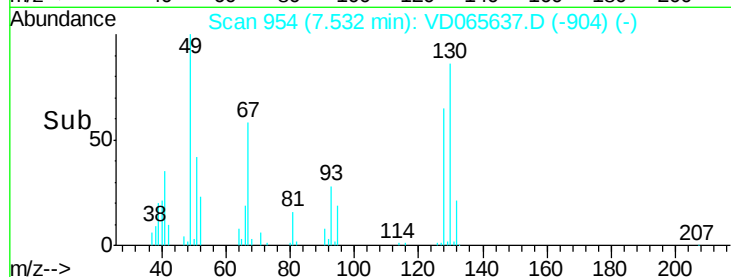
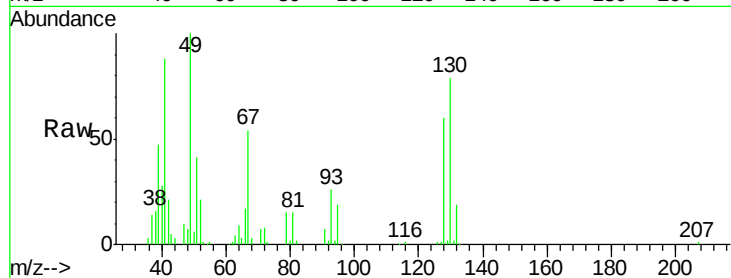
#41
Methacrylonitrile
Concen: 92.826 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.1	0.0	0.0#
67	77.9	0.0	0.0#
52	32.1	0.0	0.0#

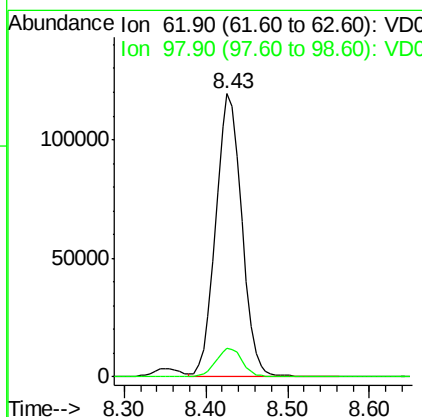
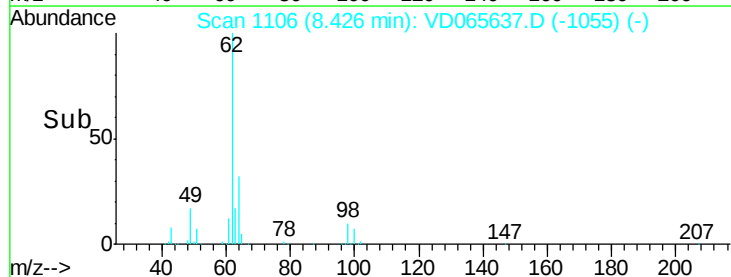
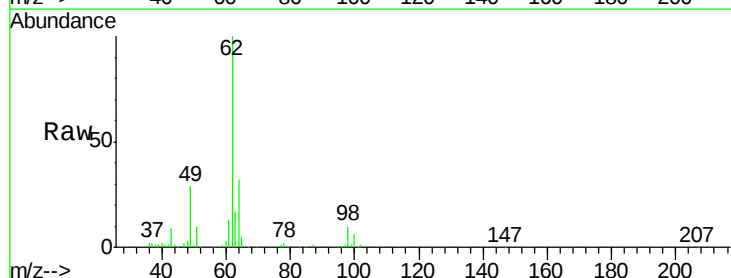
Manual Integrations
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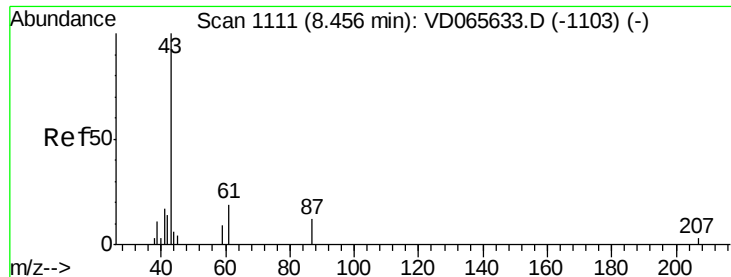
MMDadoda
4/16/2020 3:13:38 PM



#42
1,2-Dichloroethane
Concen: 90.758 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 103.880 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

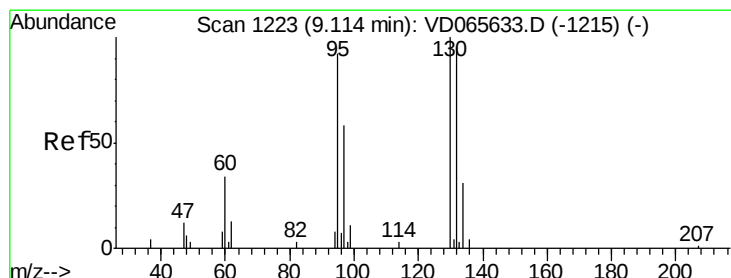
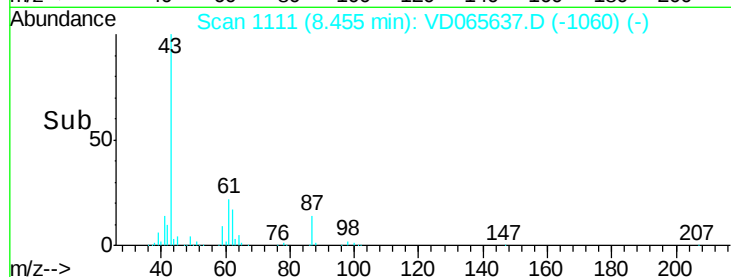
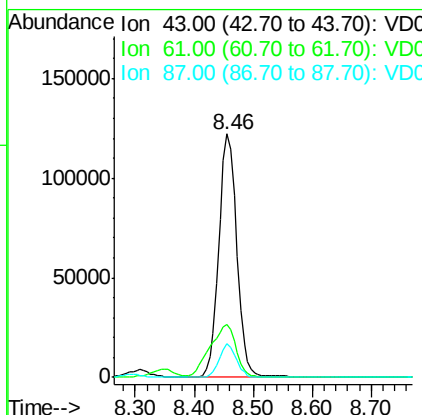
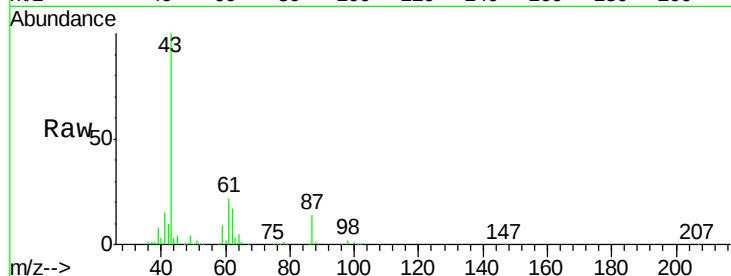
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	260538
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.0	37.6
87	12.9	9.9	14.9

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#44

Trichloroethene

Concen: 92.500 ug/l

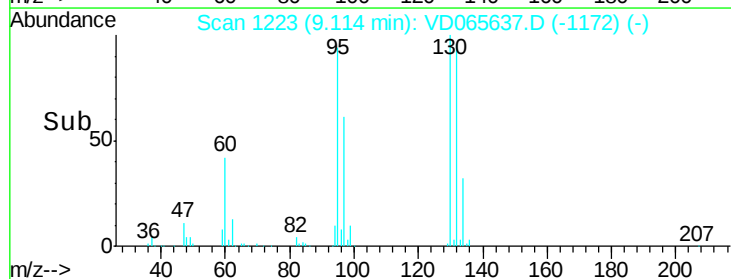
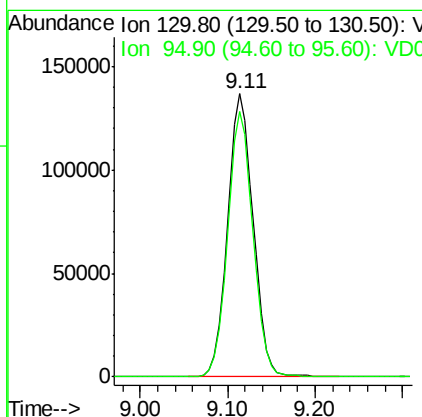
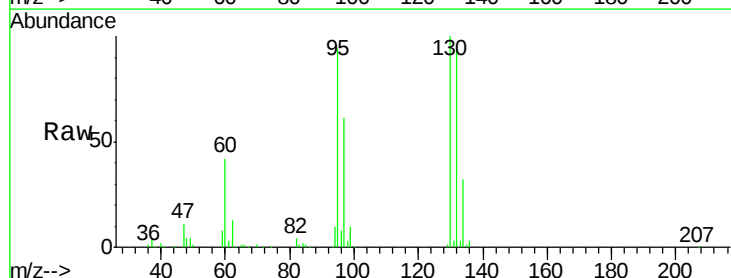
RT: 9.11 min Scan# 1223

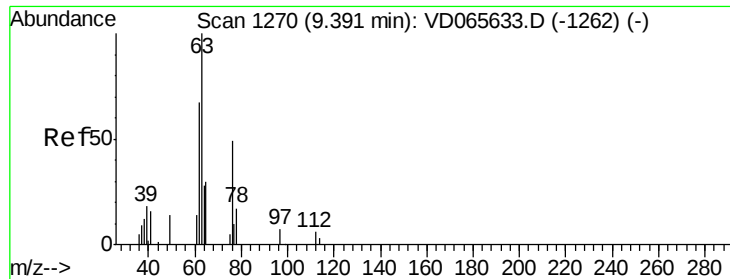
Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	130	Resp:	272238
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	178.4





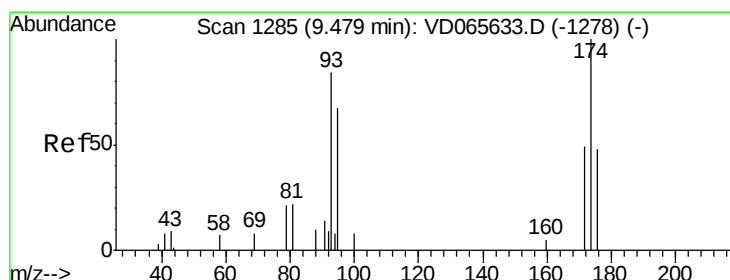
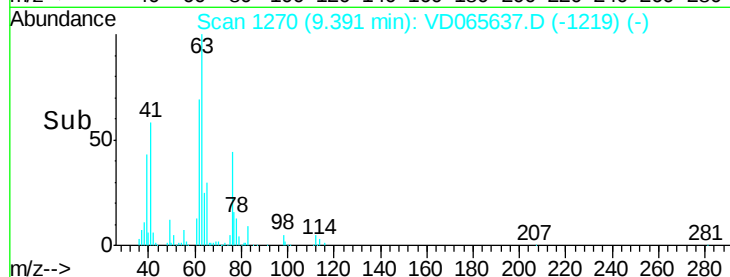
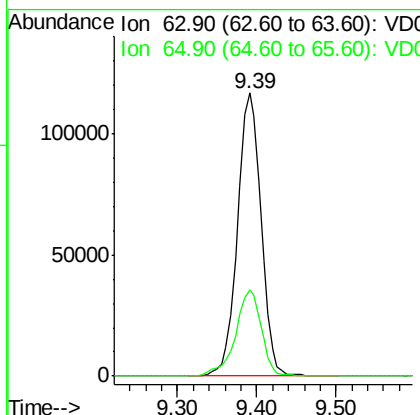
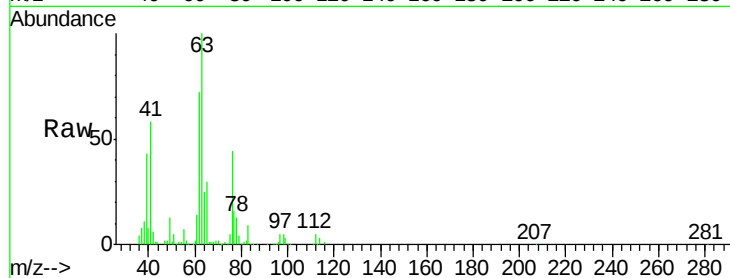
#45
 1,2-Dichloropropane
 Concen: 95.392 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.7	37.1

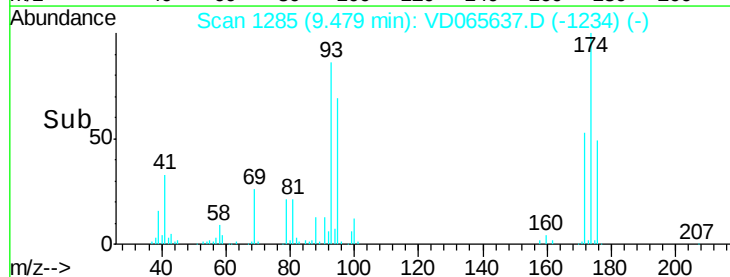
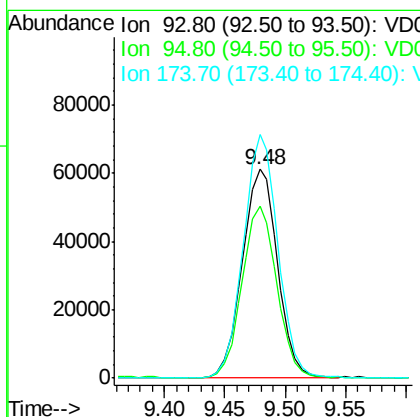
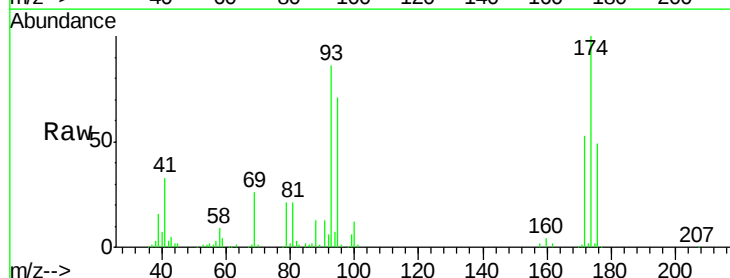
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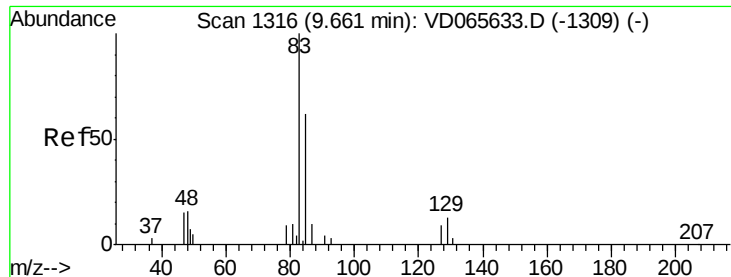
MMDadoda
 4/16/2020 3:13:38 PM



#46
 Dibromomethane
 Concen: 91.833 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	67.4	101.2
174	114.6	94.1	141.1





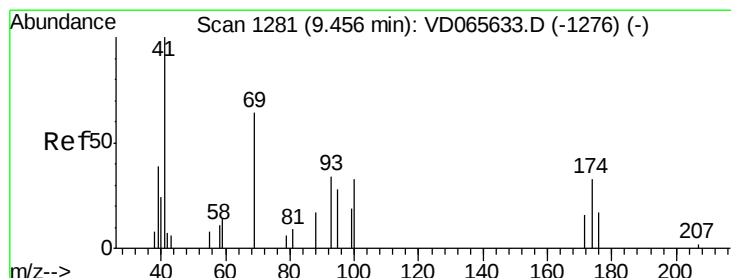
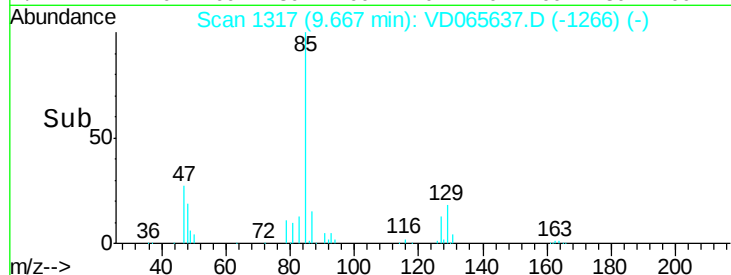
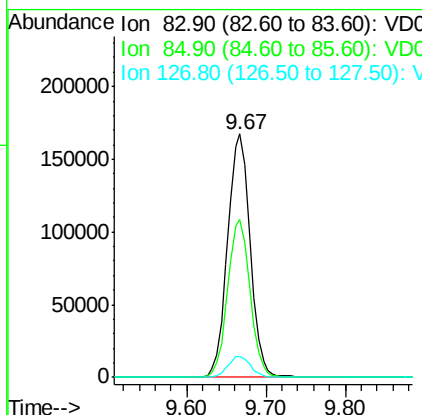
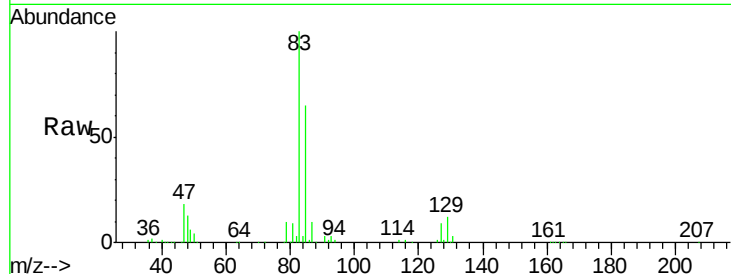
#47
 Bromodichloromethane
 Concen: 92.857 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.9	49.8	74.8	
127	8.6	6.6	9.8	

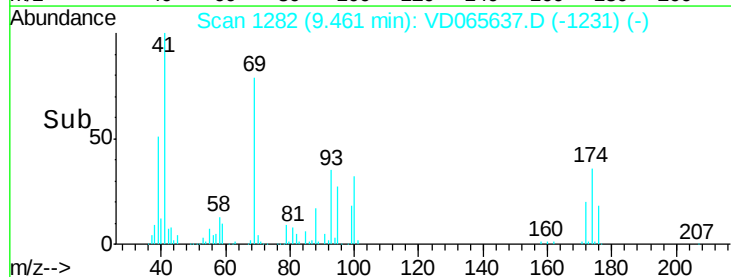
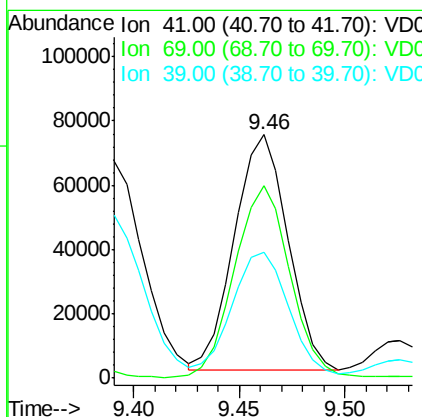
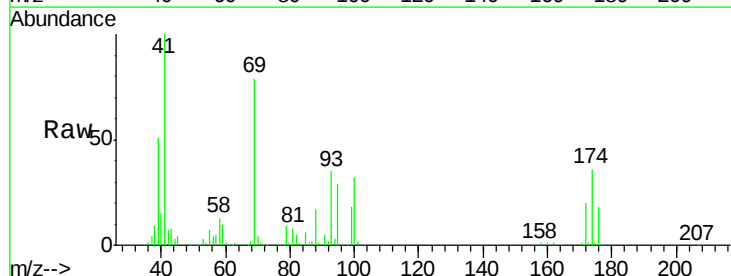
Manual Integrations
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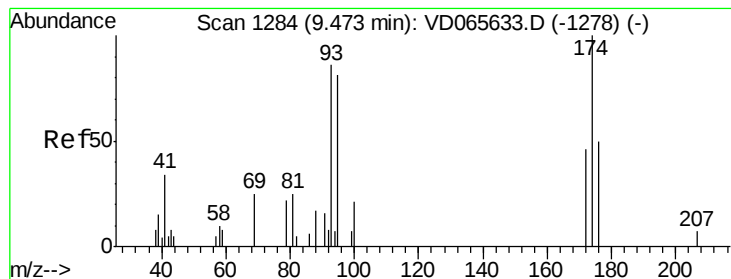
MMDadoda
 4/16/2020 3:13:38 PM



#48
 Methyl methacrylate
 Concen: 107.236 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.4	66.8	100.2	
39	53.6	39.6	59.4	





#49

1,4-Dioxane

Concen: 2019.859 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

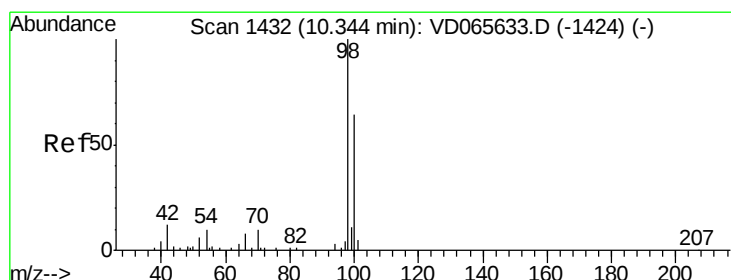
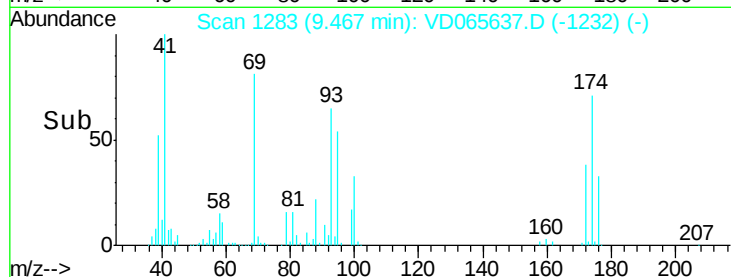
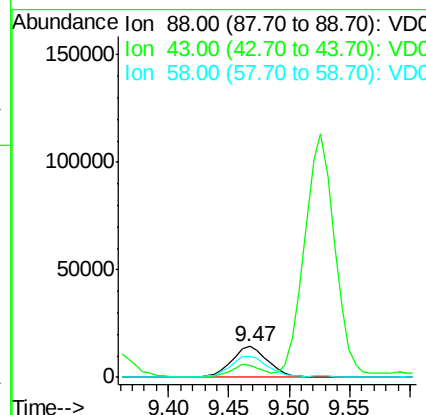
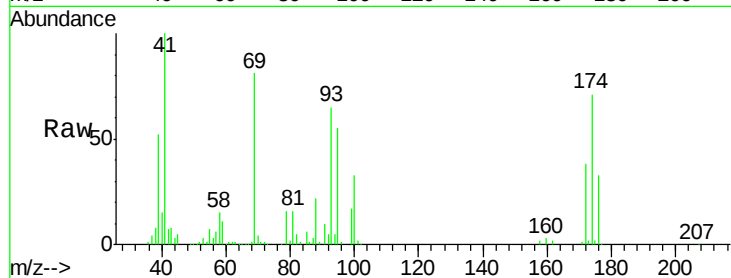
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	29932
Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.1	42.1
58	69.9	55.7	83.5

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#50

Toluene-d8

Concen: 94.825 ug/l

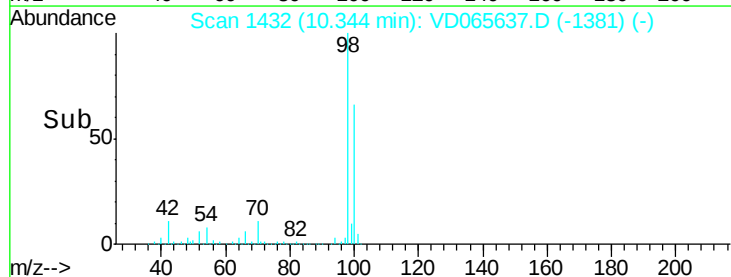
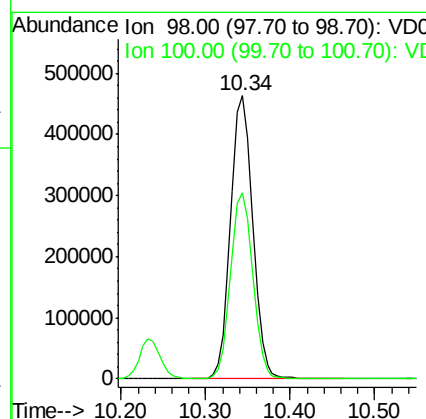
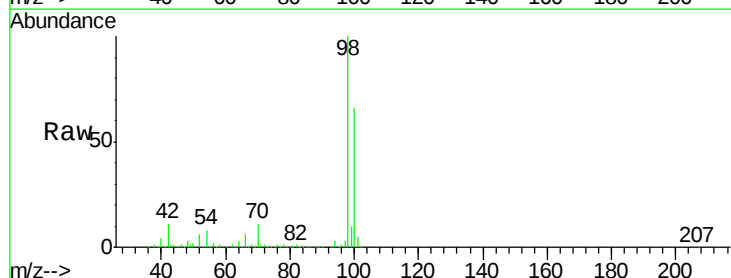
RT: 10.34 min Scan# 1432

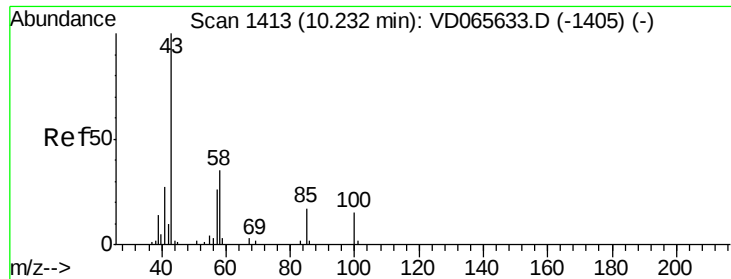
Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	98	Resp:	840599
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 516.875 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 673297

Ion Ratio Lower Upper

43 100

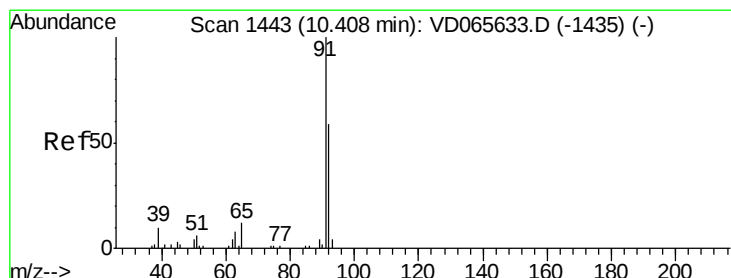
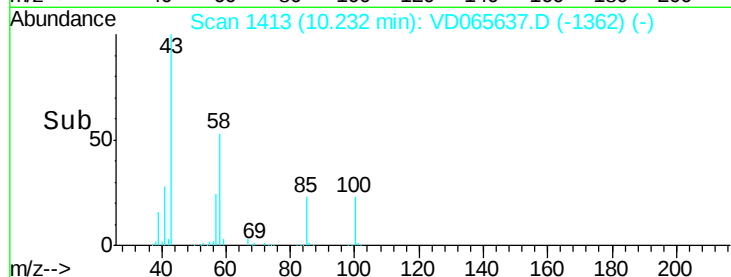
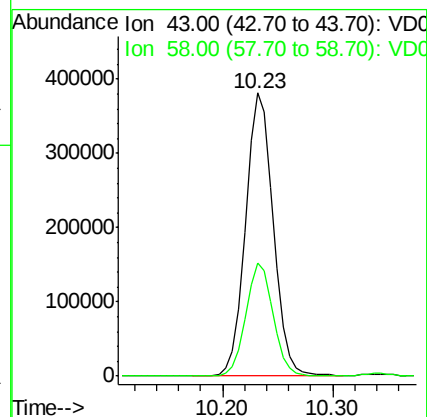
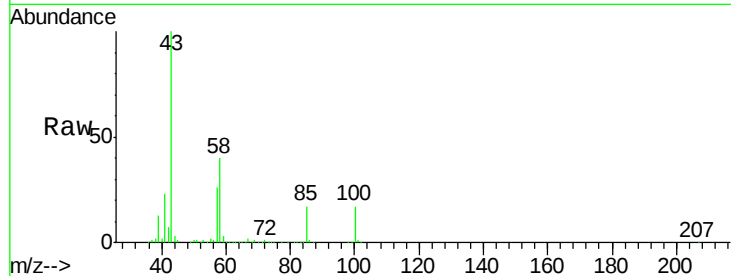
58 39.3 31.1 46.7

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#52

Toluene

Concen: 96.968 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065637.D

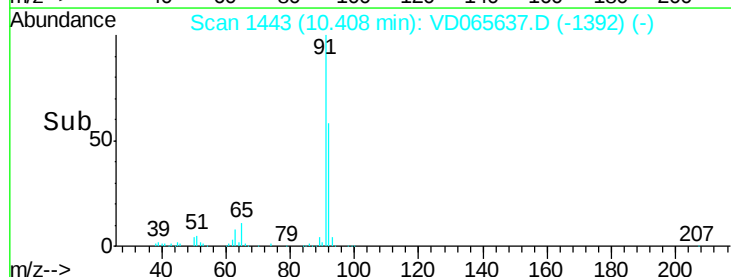
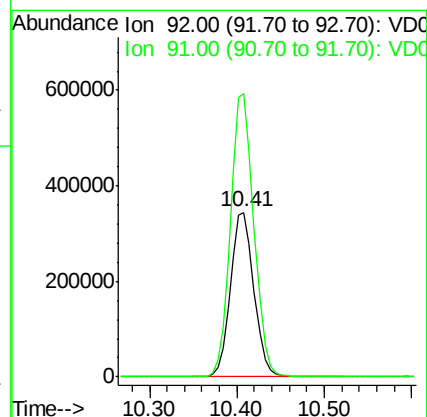
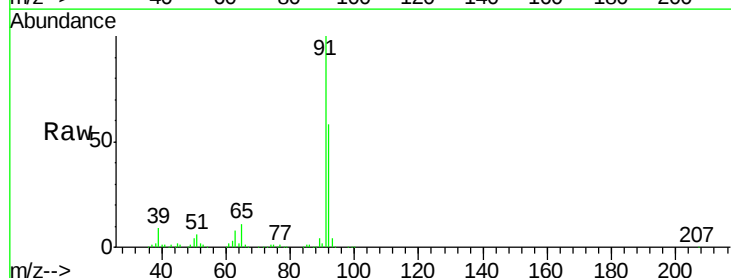
Acq: 15 Apr 2020 16:00

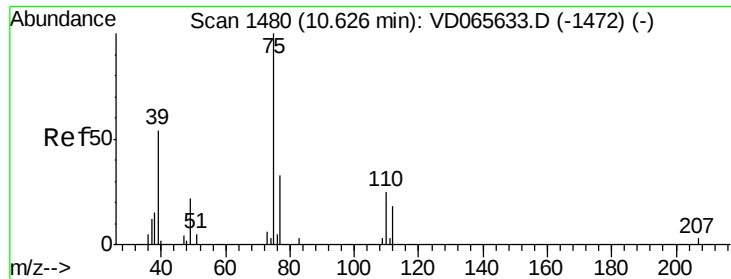
Tgt Ion: 92 Resp: 629657

Ion Ratio Lower Upper

92 100

91 172.2 136.6 205.0





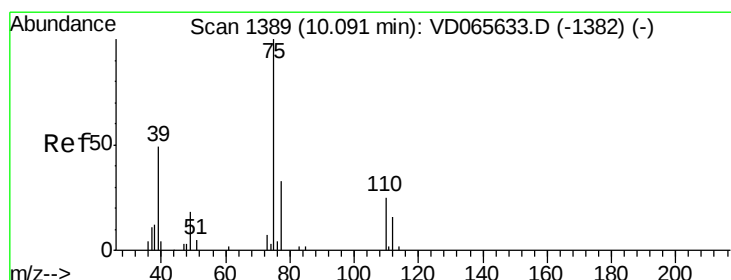
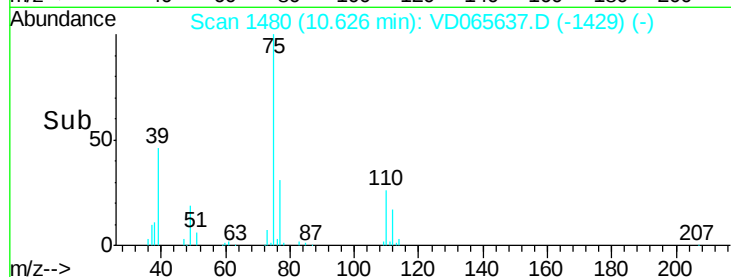
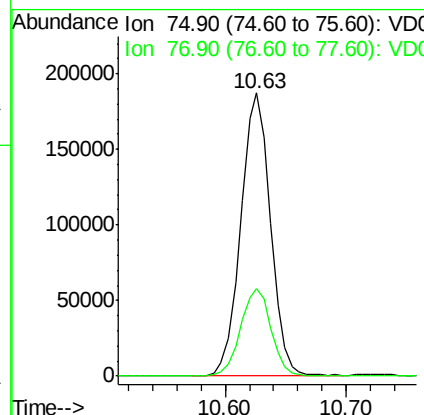
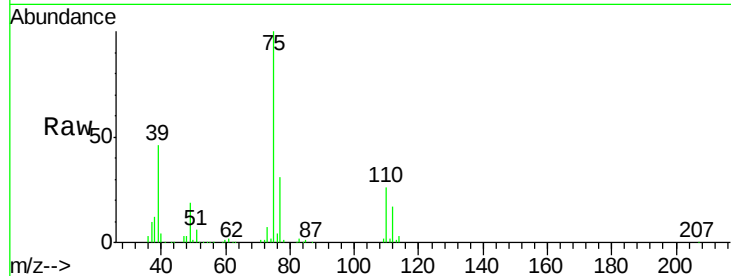
#53
 t-1,3-Dichloropropene
 Concen: 100.812 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	75	Resp	321584
Ion Ratio	Lower	Upper	
75	100		
77	31.0	24.8	37.2

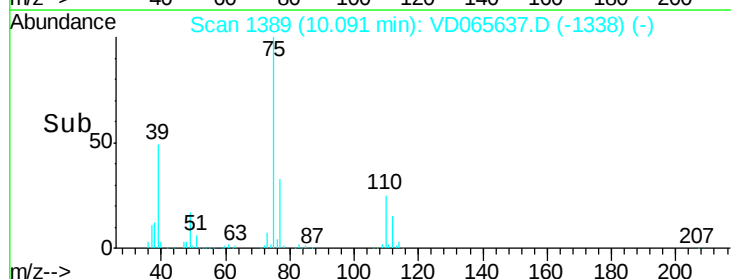
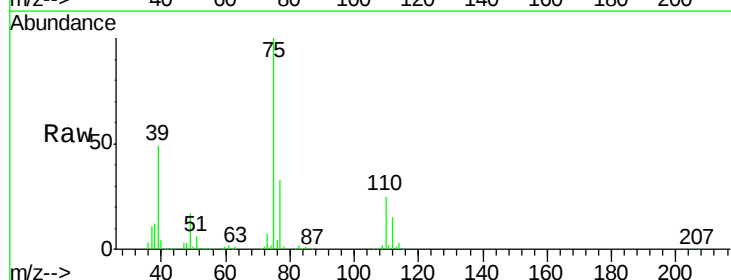
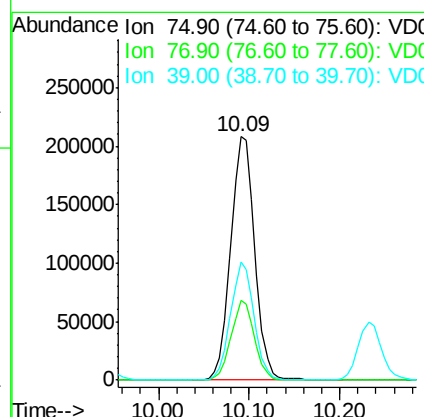
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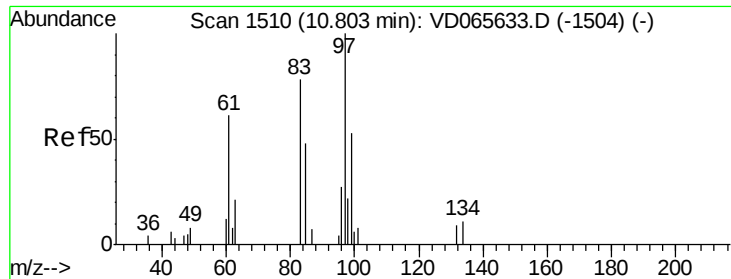
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#54
 cis-1,3-Dichloropropene
 Concen: 98.898 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	75	Resp	383657
Ion Ratio	Lower	Upper	
75	100		
77	32.7	25.2	37.8
39	48.7	38.7	58.1





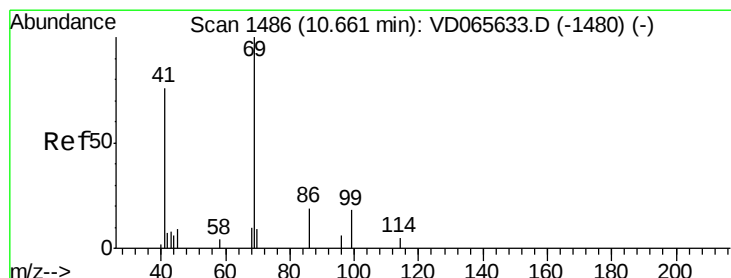
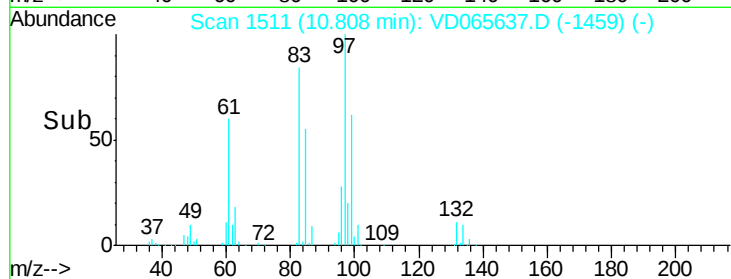
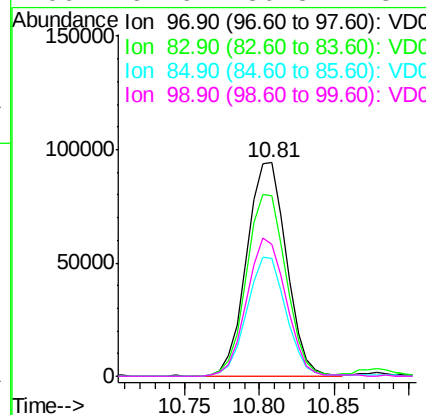
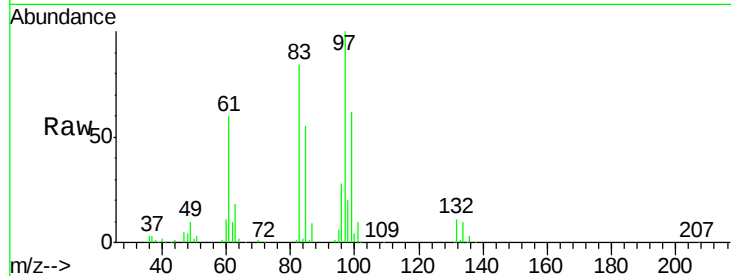
#55
 1,1,2-Trichloroethane
 Concen: 90.431 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	174049
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.0
85	54.9	43.4	65.0
99	61.6	50.5	75.7

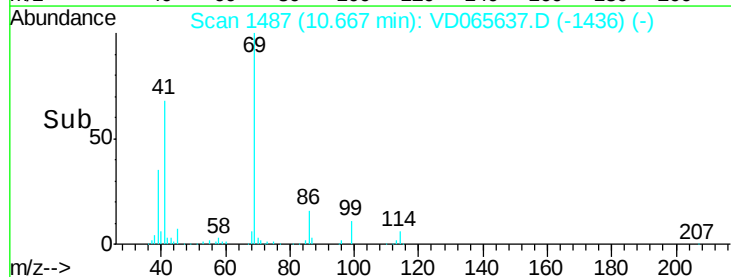
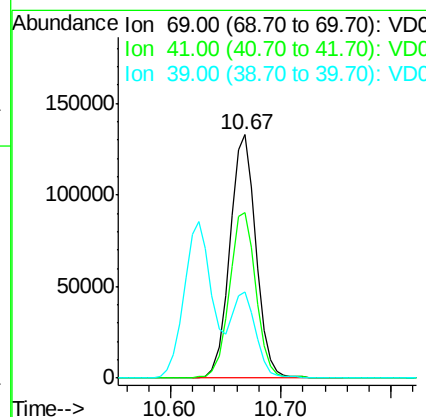
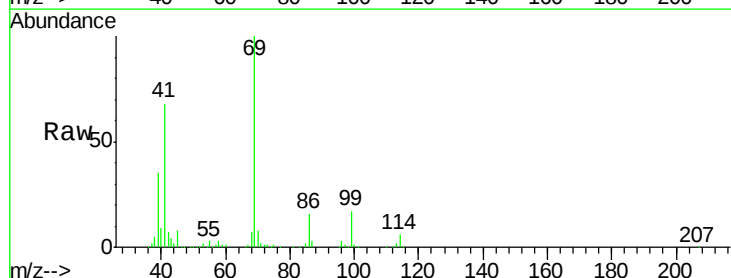
Manual Integrations
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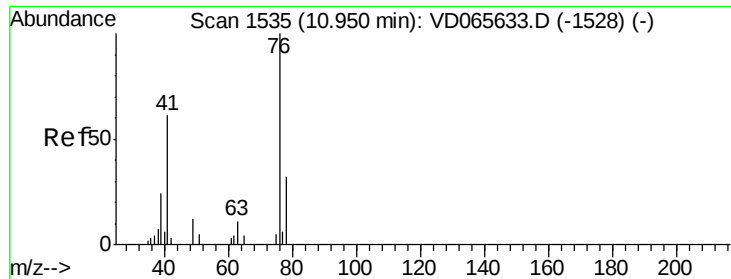
MMDadoda
 4/16/2020 3:13:38 PM



#56
 Ethyl methacrylate
 Concen: 113.084 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion:	69	Resp:	220412
Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.2	84.4
39	31.8	26.6	39.8





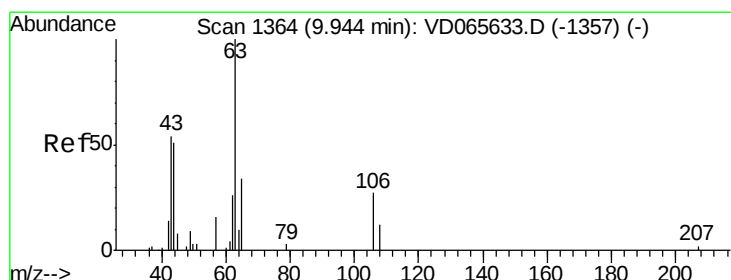
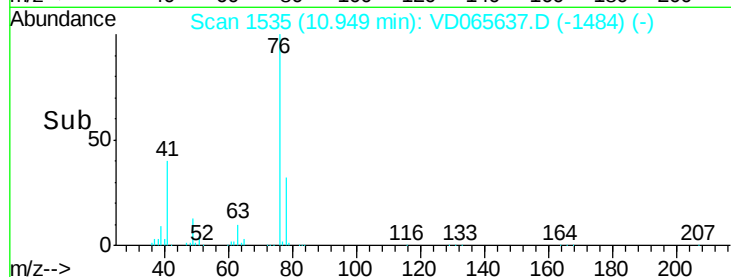
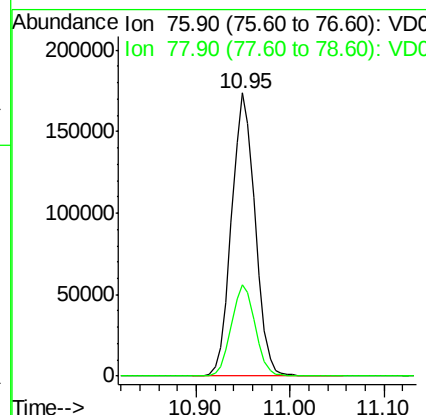
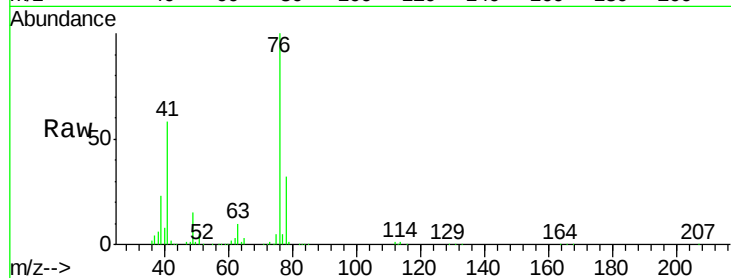
#57
 1,3-Dichloropropane
 Concen: 94.884 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 302390
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

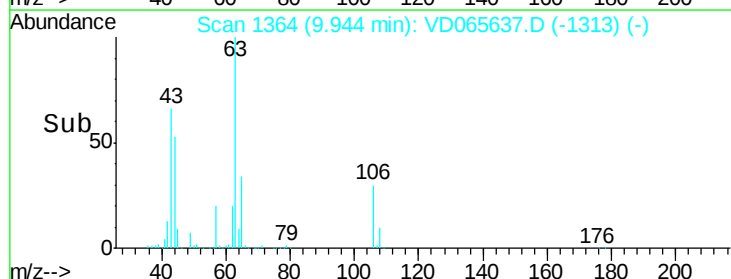
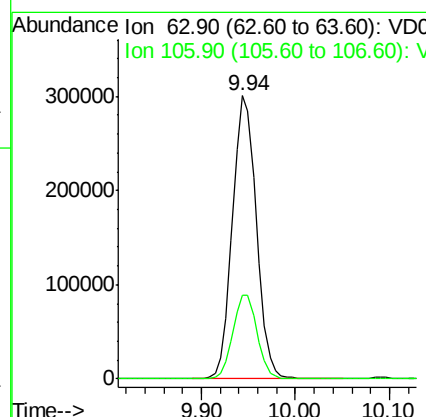
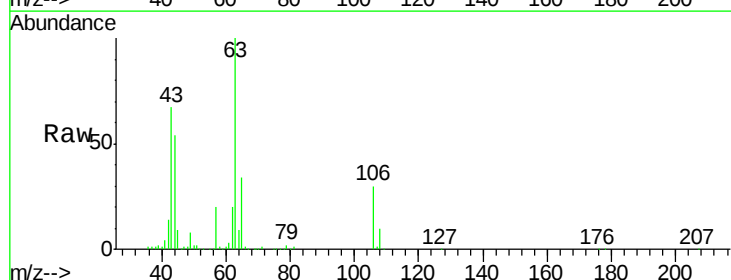
Manual Integrations
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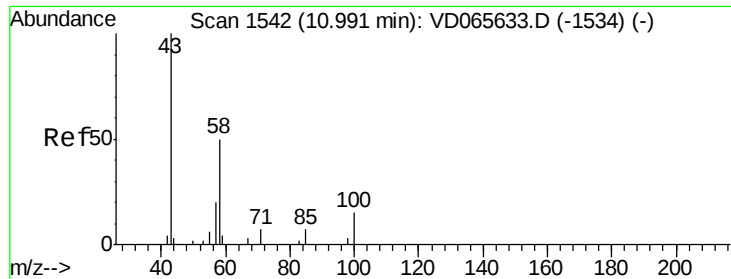
MMDadoda
 4/16/2020 3:13:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 523.766 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion: 63 Resp: 531450
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.6





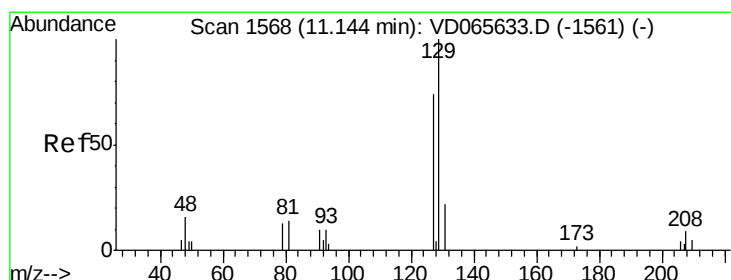
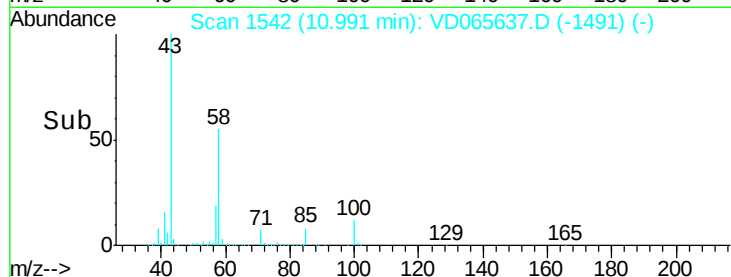
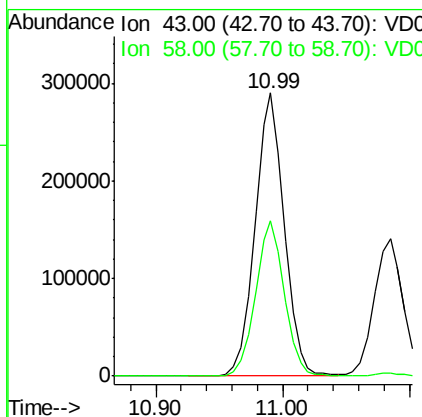
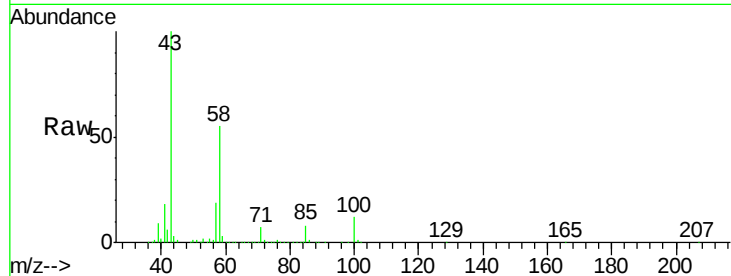
#59
2-Hexanone
Concen: 532.672 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 463252
Ion Ratio Lower Upper
43 100
58 54.2 26.5 79.4

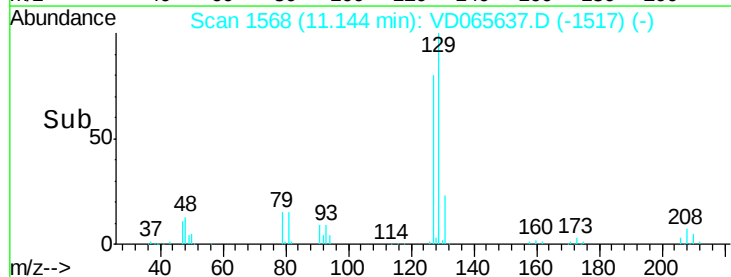
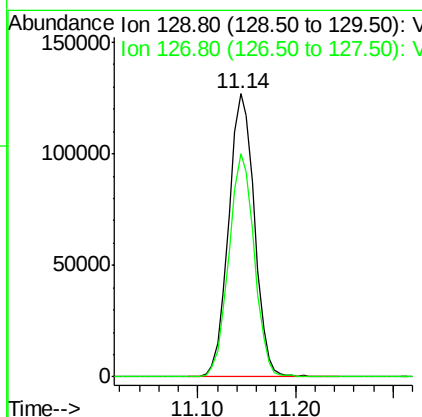
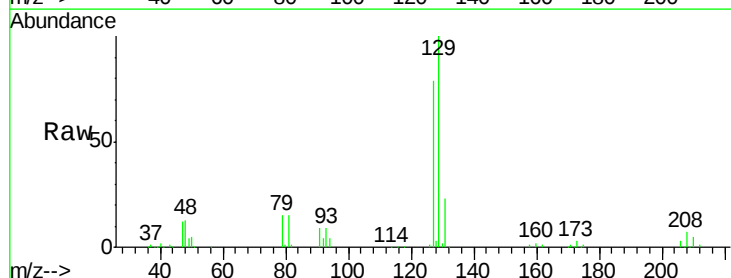
Manual Integrations
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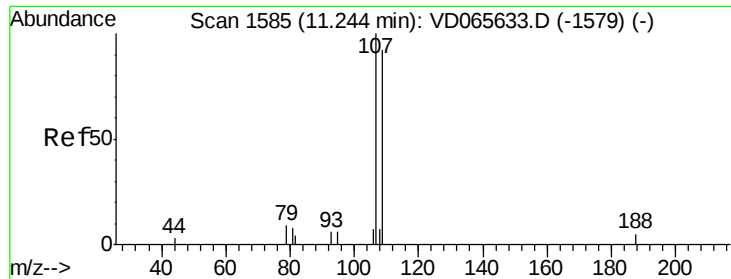
MMDadoda
4/16/2020 3:13:38 PM



#60
Dibromochloromethane
Concen: 91.358 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion: 129 Resp: 232120
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3





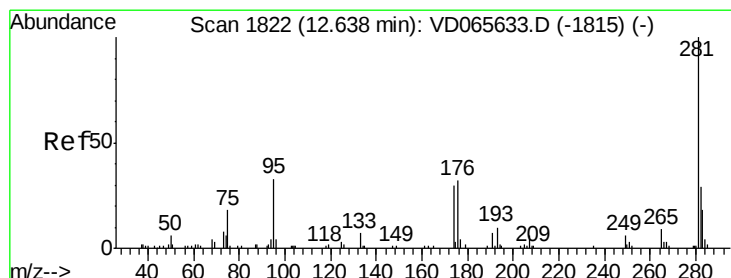
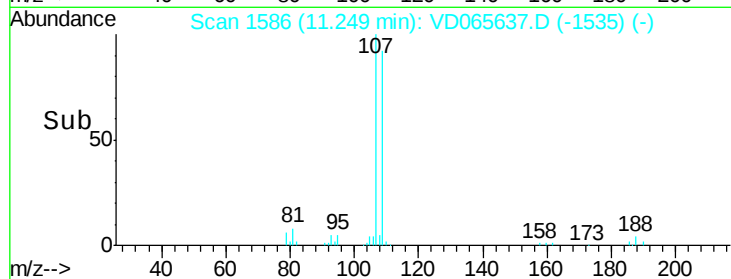
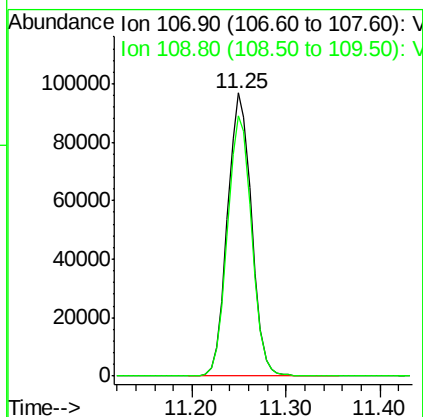
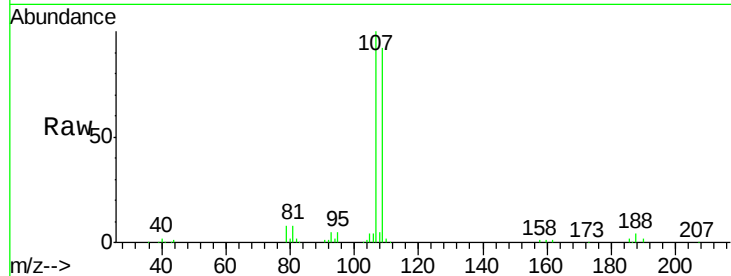
#61
 1,2-Dibromoethane
 Concen: 93.722 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 171550
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.6 112.0

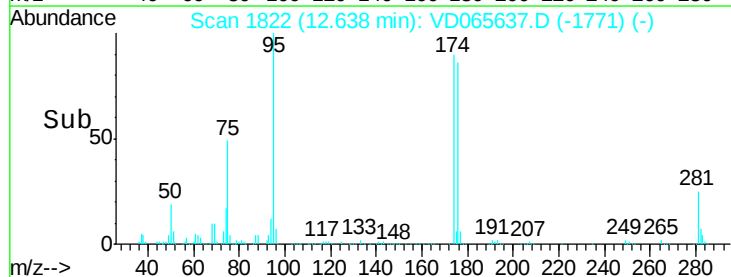
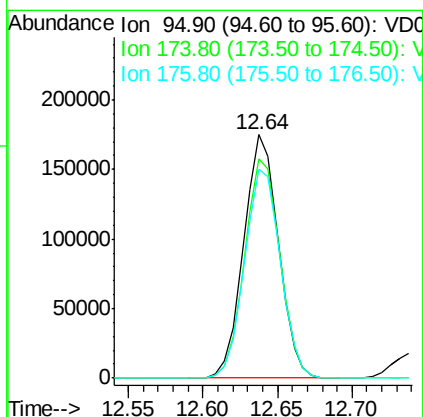
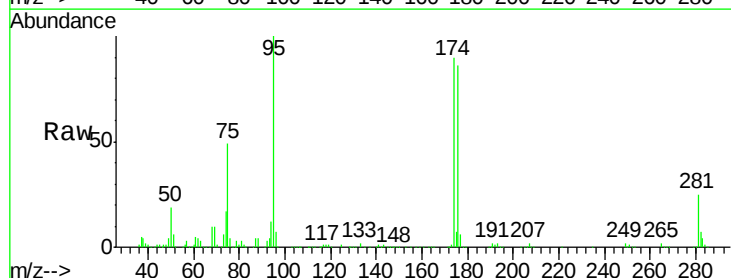
Manual Integrations
 APPROVED

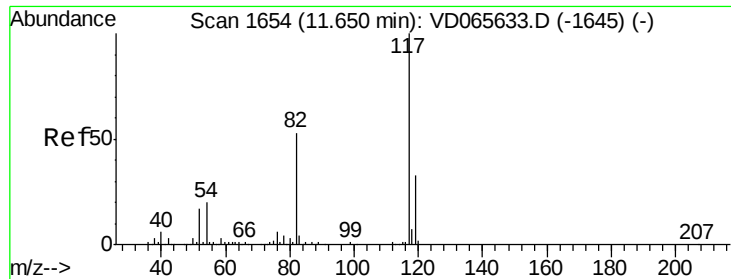
MMDadoda
 4/16/2020 3:13:38 PM



#62
 4-Bromofluorobenzene
 Concen: 97.786 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion: 95 Resp: 281279
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.8
 176 88.3 0.0 181.4





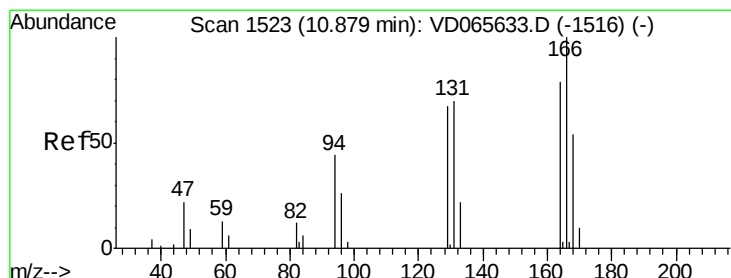
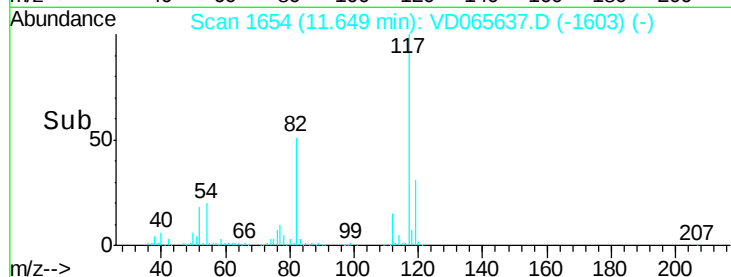
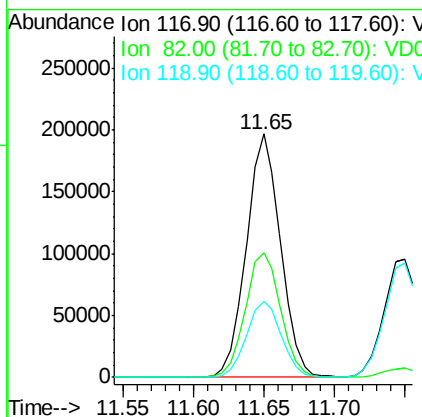
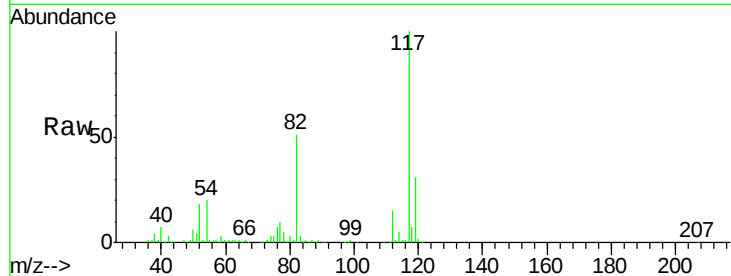
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.2	64.8
119	31.0	26.2	39.4

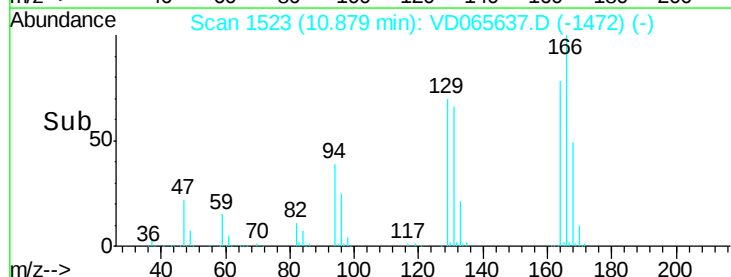
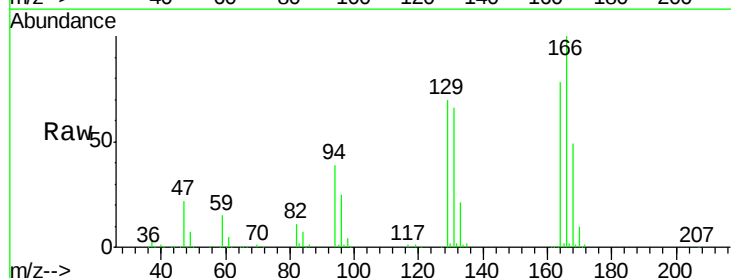
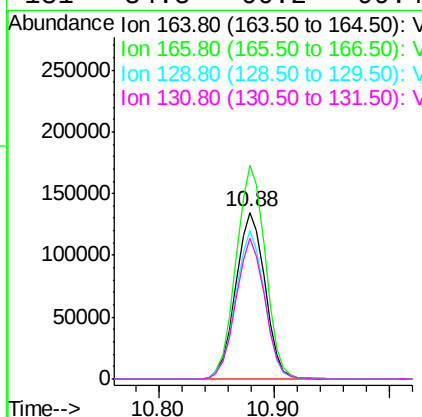
Manual Integrations
APPROVED

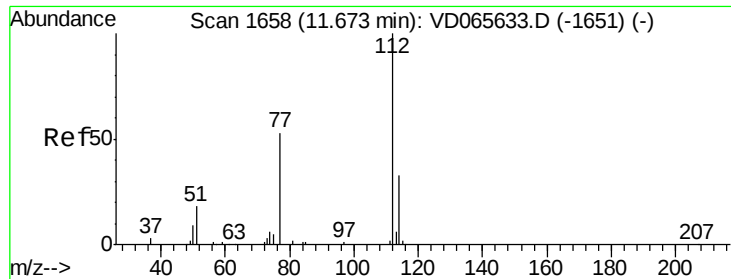
MMDadoda
4/16/2020 3:13:38 PM



#64
Tetrachloroethene
Concen: 91.170 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.3	153.5
129	89.3	71.7	107.5
131	84.5	66.2	99.4





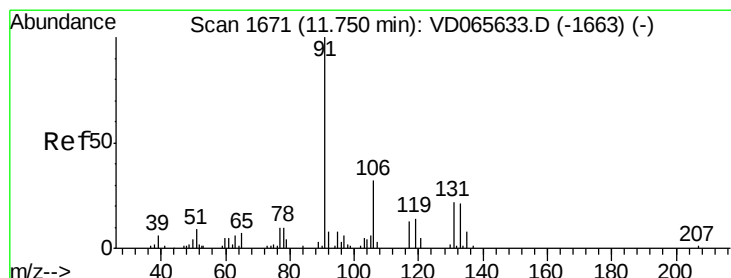
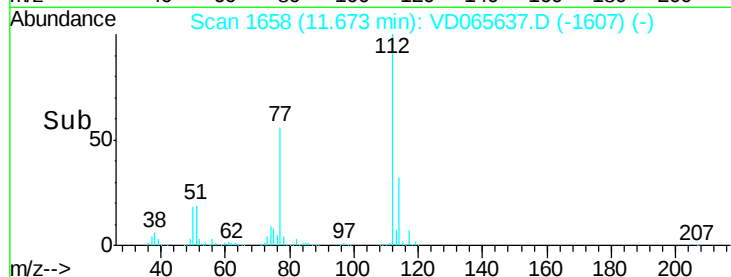
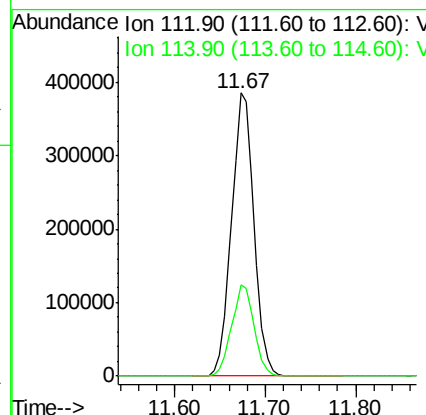
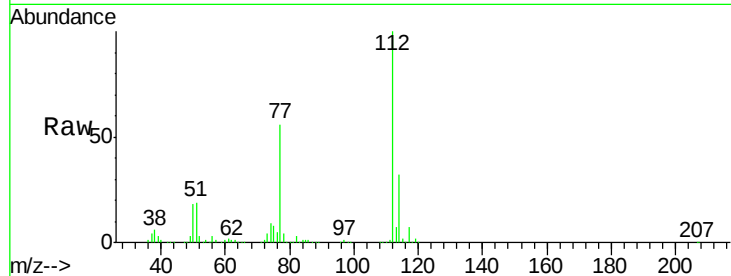
#65
Chlorobenzene
Concen: 93.292 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

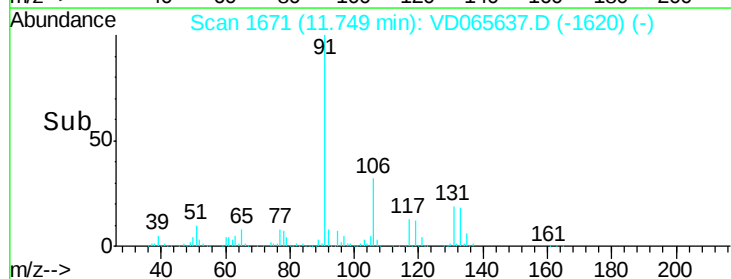
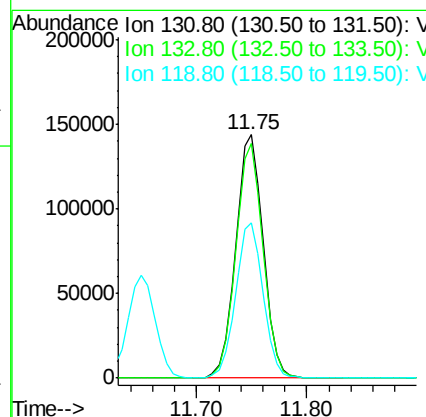
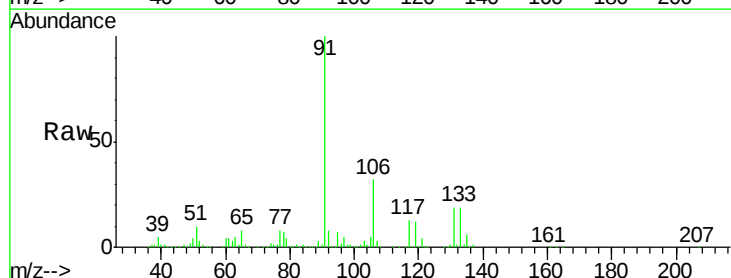
Manual Integrations
APPROVED

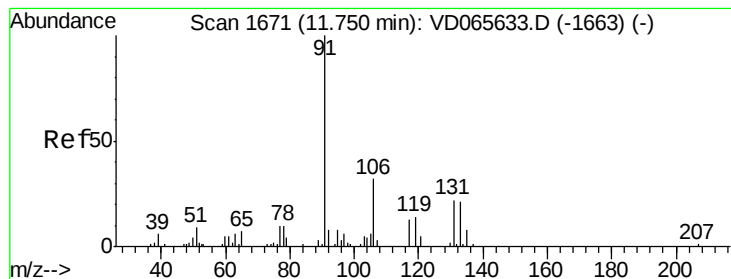
MMDadoda
4/16/2020 3:13:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 93.031 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	63.9	32.6	97.7





#67

Ethyl Benzene

Concen: 102.211 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1195909

Ion Ratio Lower Upper

91 100

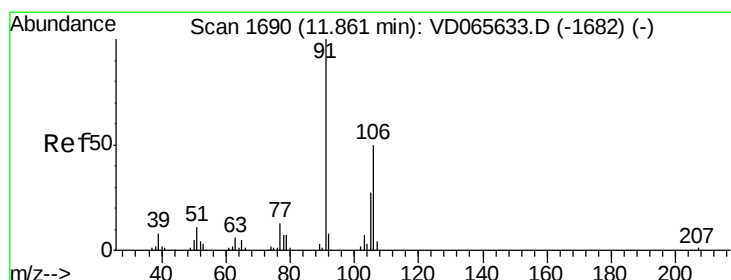
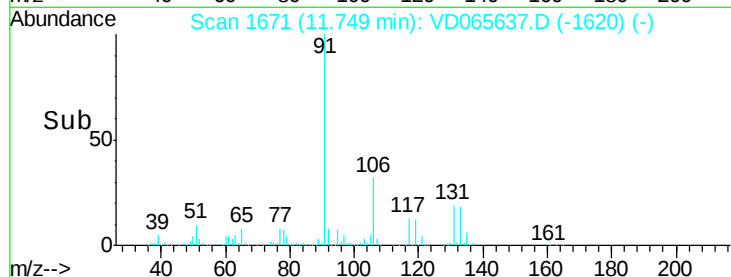
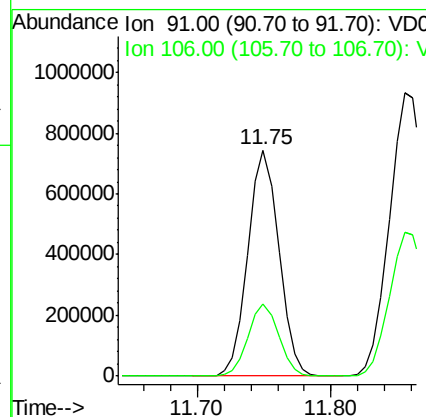
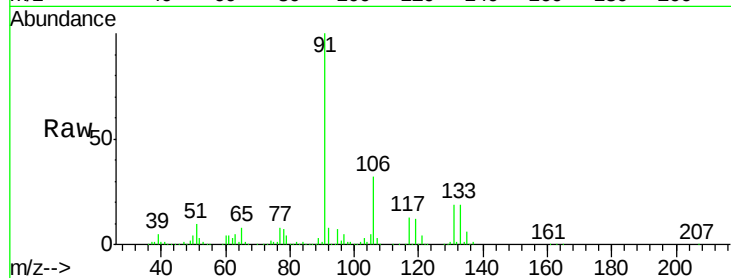
106 31.8 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 201.269 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065637.D

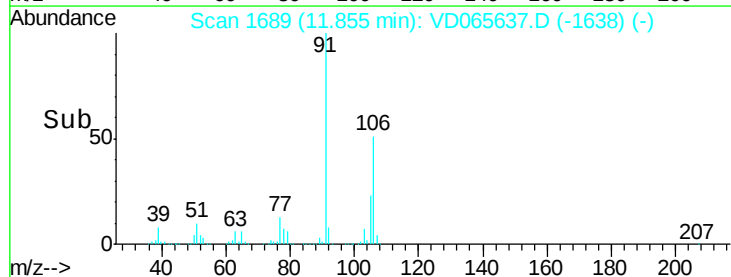
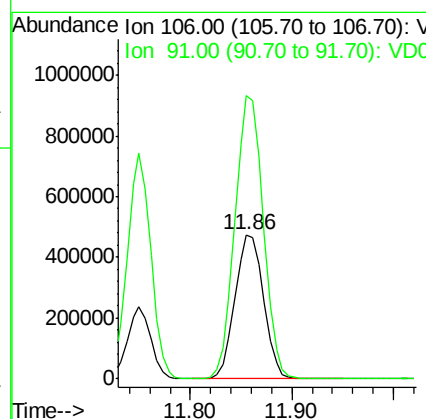
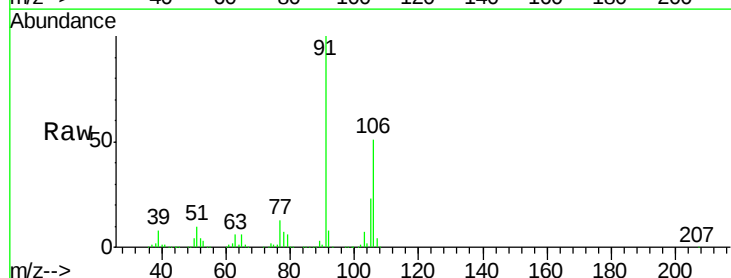
Acq: 15 Apr 2020 16:00

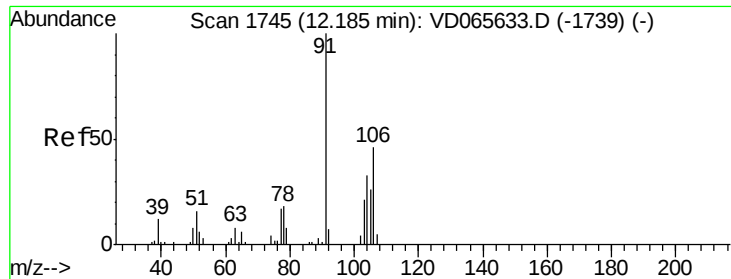
Tgt Ion: 106 Resp: 925792

Ion Ratio Lower Upper

106 100

91 195.2 157.9 236.9





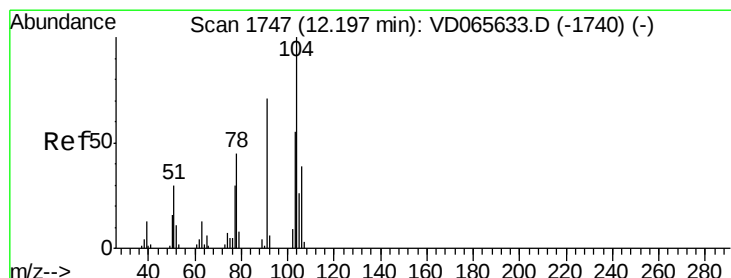
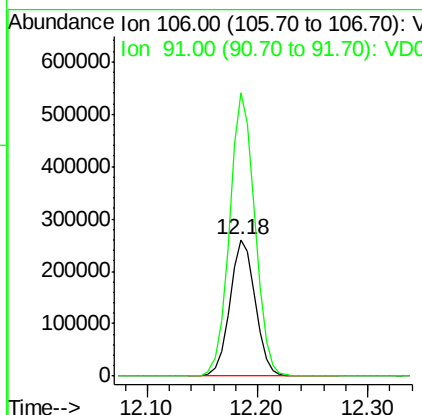
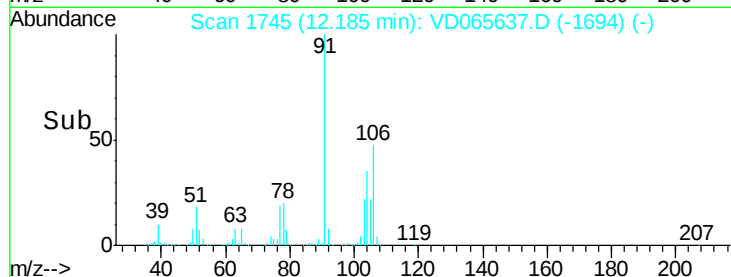
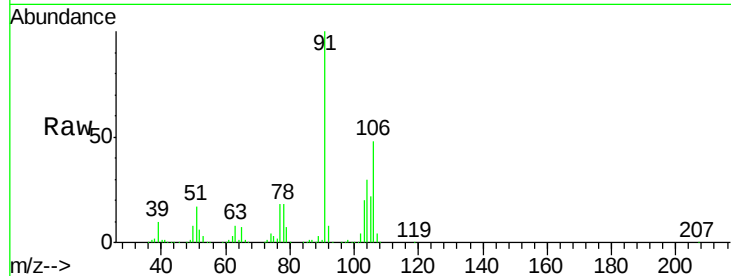
#69
o-Xylene
Concen: 105.295 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		418907		
91	207.1	103.6	310.9		

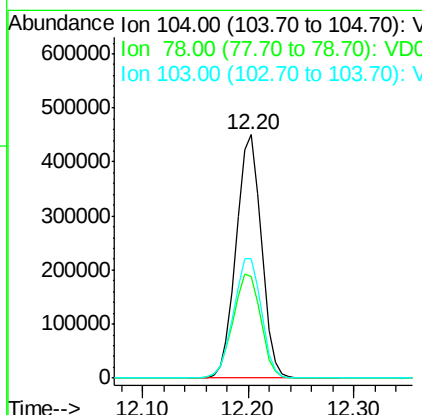
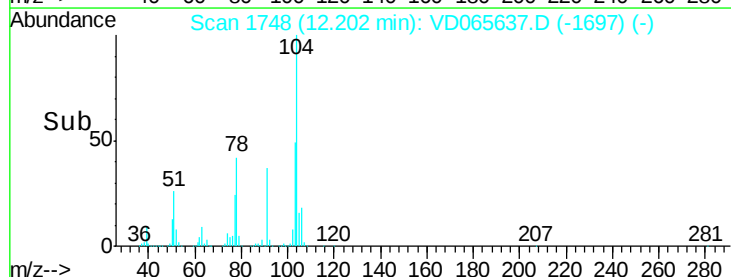
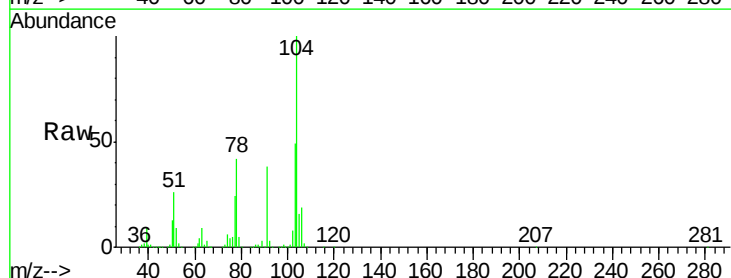
Manual Integrations
APPROVED

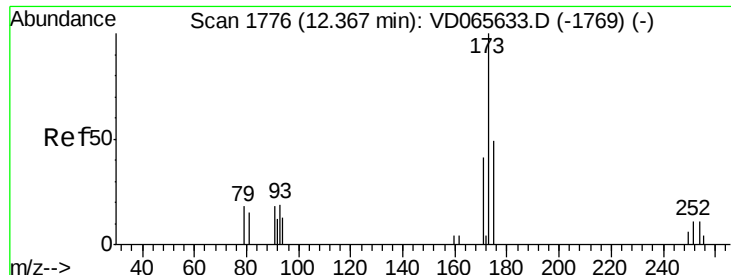
MMDadoda
4/16/2020 3:13:38 PM



#70
Styrene
Concen: 105.588 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		743521		
78	47.1	37.5	56.3		
103	54.1	43.4	65.0		





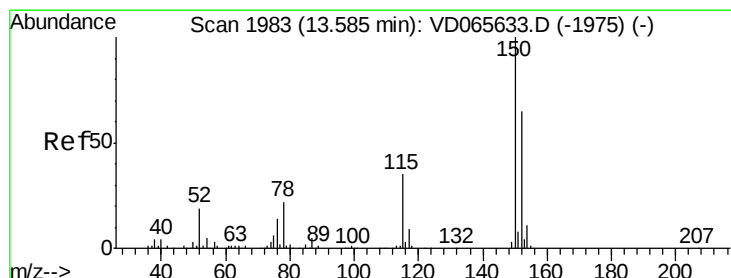
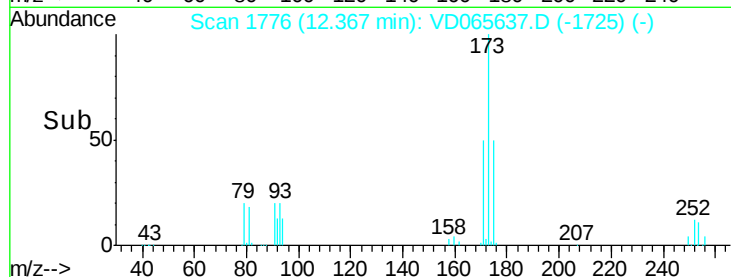
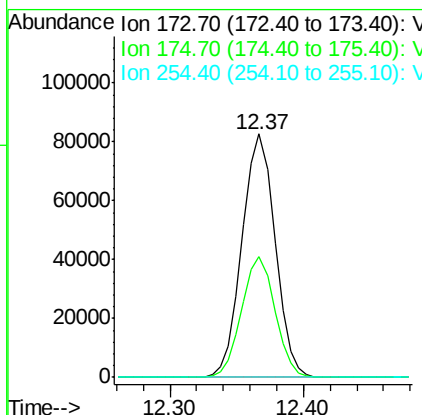
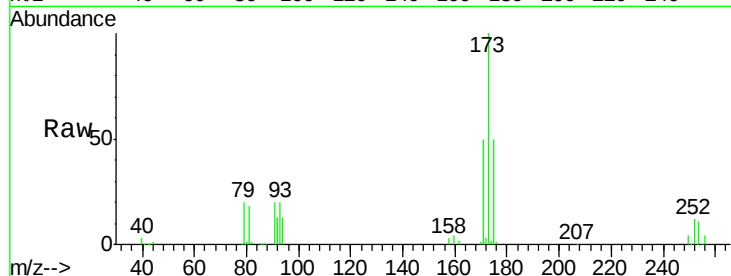
#71
Bromoform
Concen: 91.923 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	25.1	75.2
254	0.1	0.0	0.0

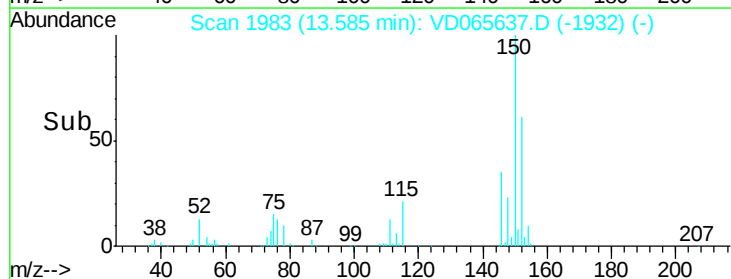
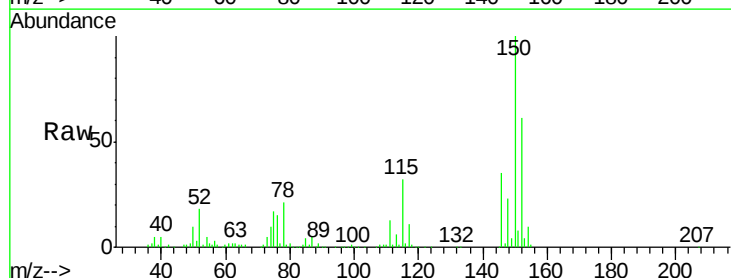
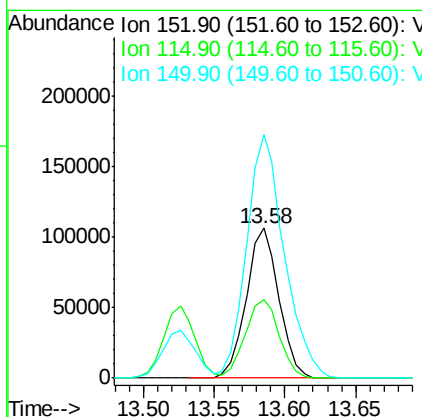
Manual Integrations
APPROVED

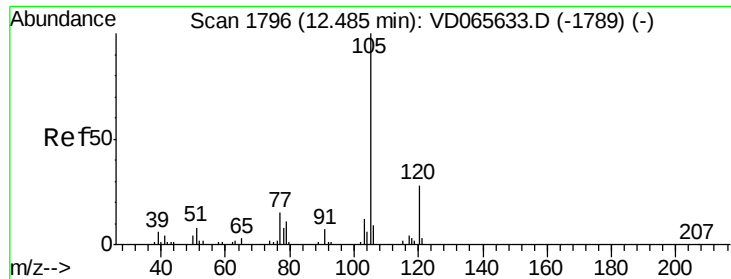
MMDadoda
4/16/2020 3:13:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.6	82.7
150	188.3	0.0	346.0





#73

Isopropylbenzene

Concen: 106.622 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1137169

Ion Ratio Lower Upper

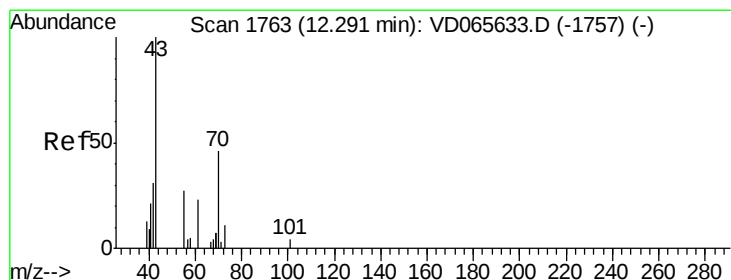
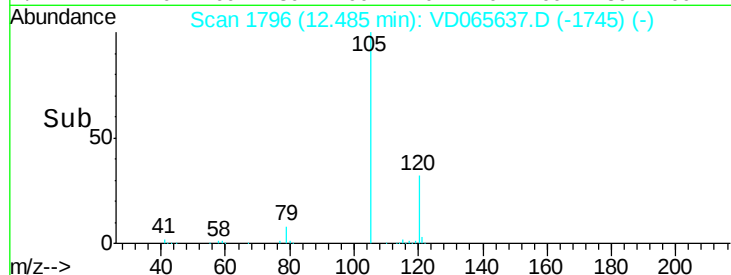
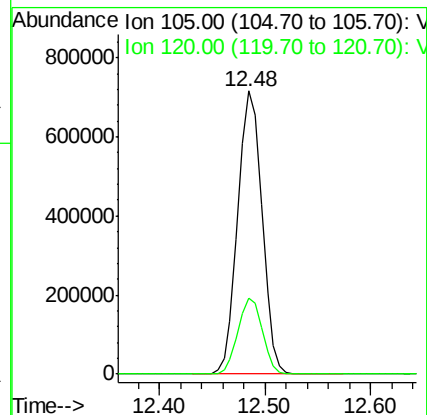
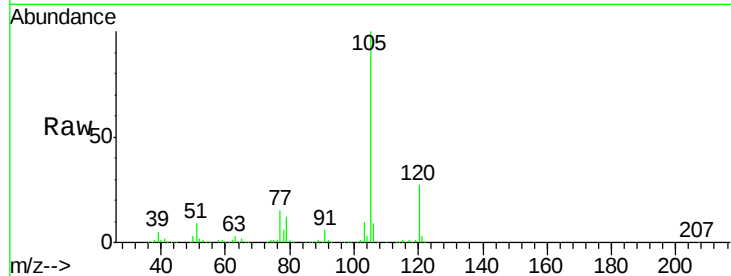
105 100

120 26.9 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 110.348 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion: 43 Resp: 241437

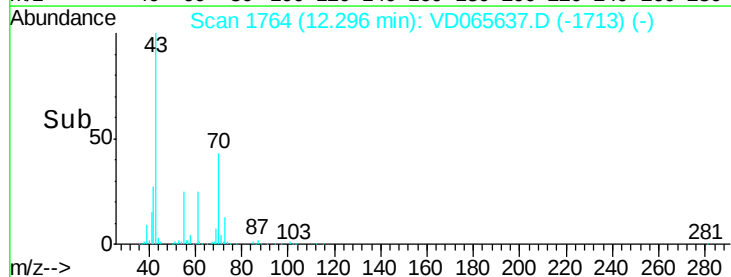
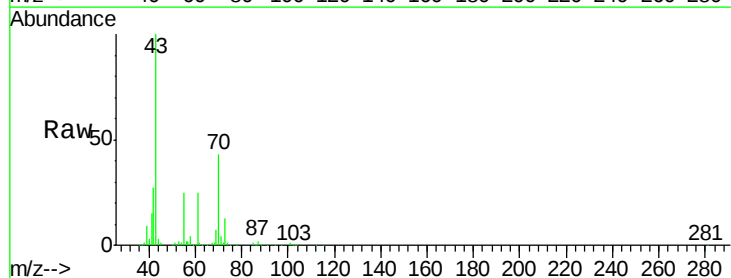
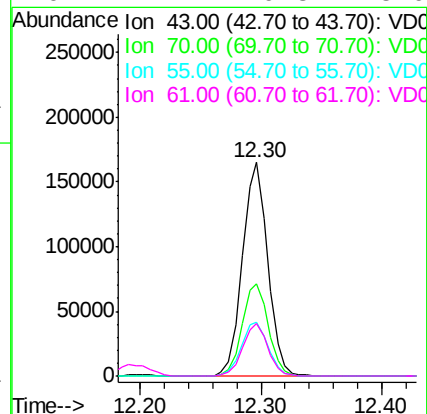
Ion Ratio Lower Upper

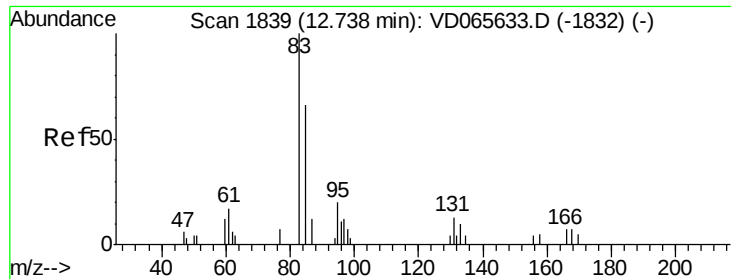
43 100

70 44.4 35.4 53.0

55 26.9 22.2 33.2

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 93.366 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

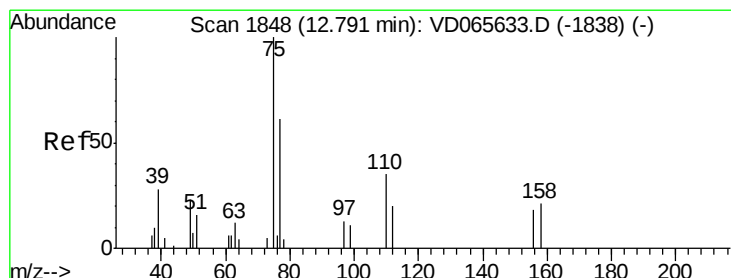
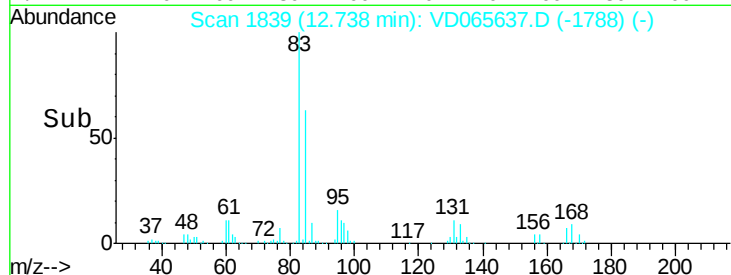
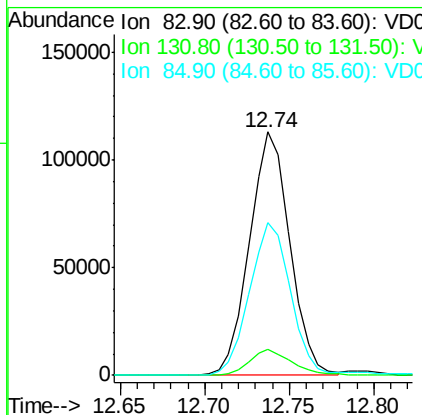
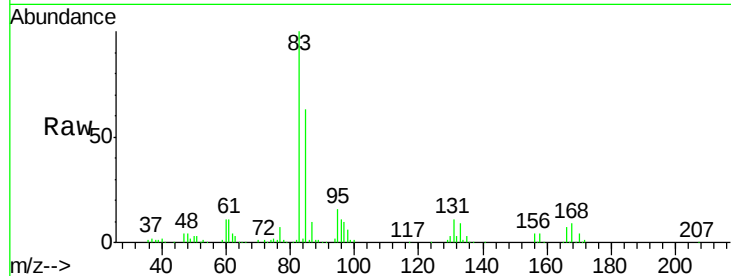
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	187411
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	63.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 107.683 ug/l m

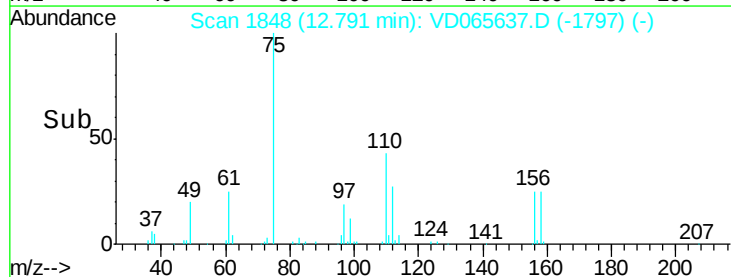
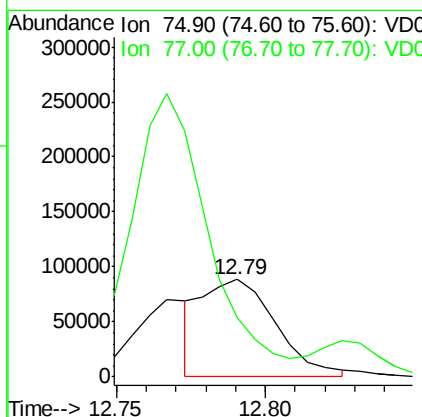
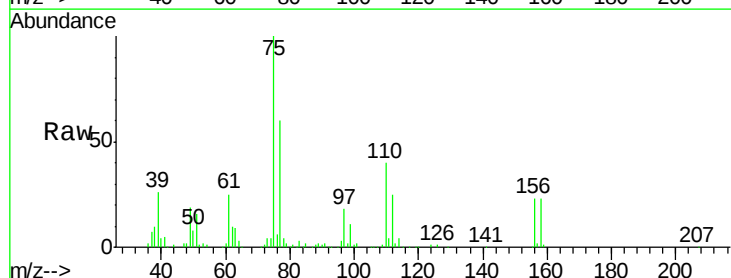
RT: 12.79 min Scan# 1848

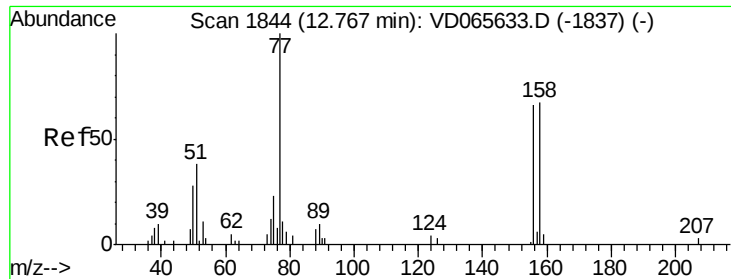
Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	75	Resp:	151918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 95.665 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 281653

Ion Ratio Lower Upper

156 100

77 167.0 84.7 254.1

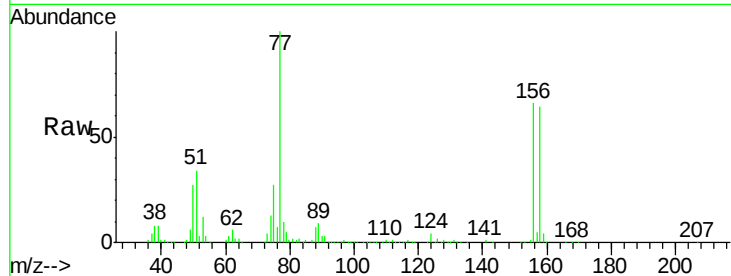
158 97.7 48.5 145.5

Manual Integrations

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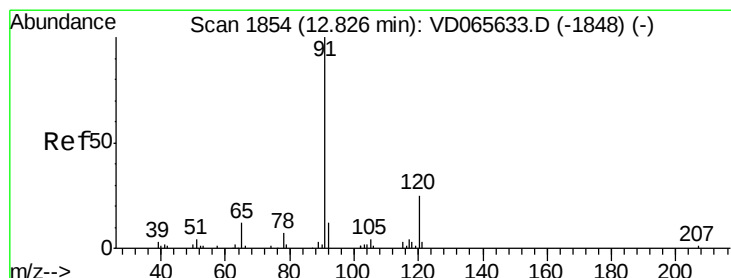
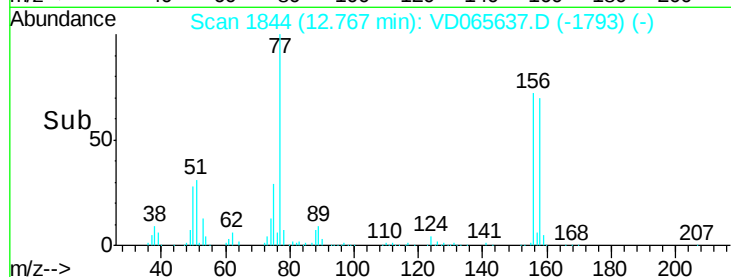
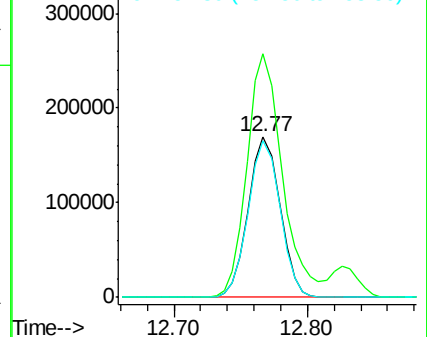
4/16/2020 3:13:38 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.204 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065637.D

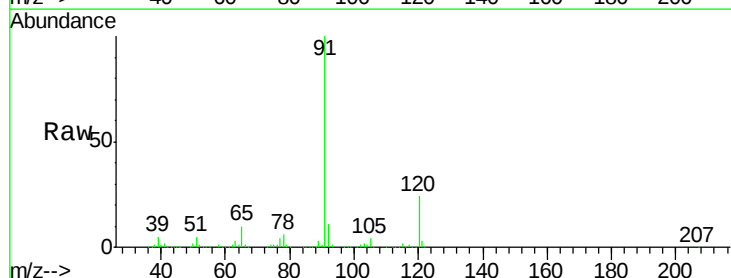
Acq: 15 Apr 2020 16:00

Tgt Ion: 91 Resp: 1330665

Ion Ratio Lower Upper

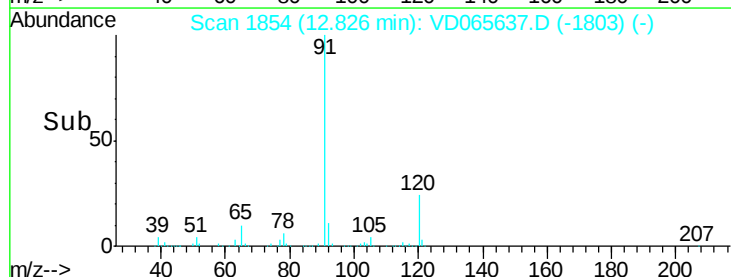
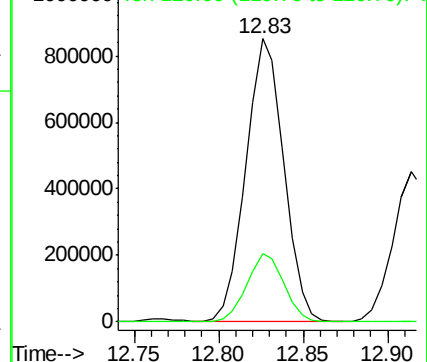
91 100

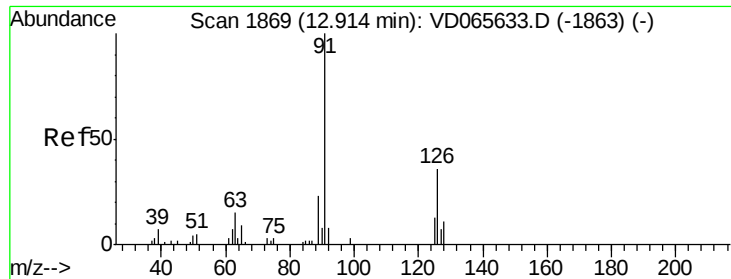
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 100.233 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 741985

Ion Ratio Lower Upper

91 100

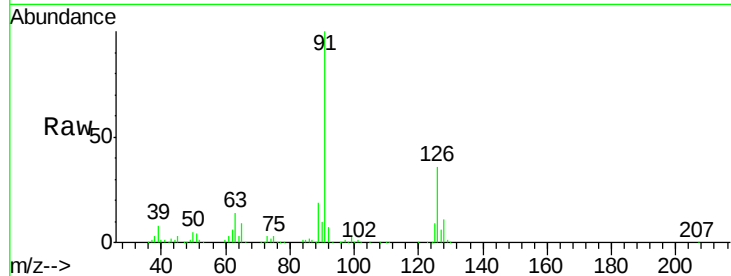
126 35.7 17.8 53.3

Manual Integrations

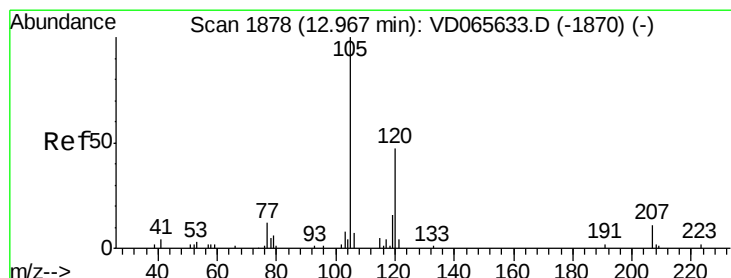
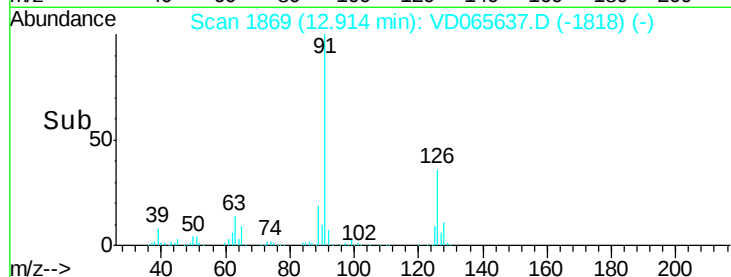
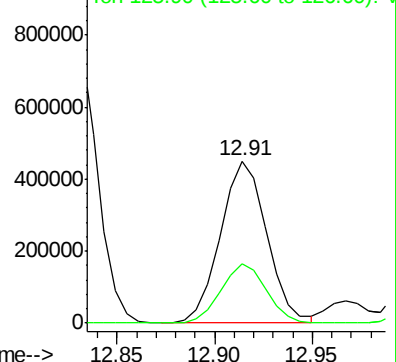
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Abundance Ion 91.00 (90.70 to 91.70): VD065633.D (-1863) (-)



#80

1,3,5-Trimethylbenzene

Concen: 104.006 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065637.D

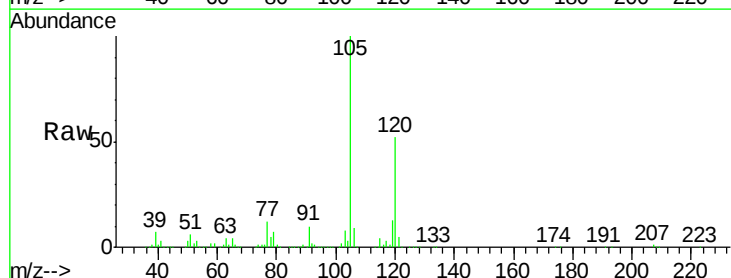
Acq: 15 Apr 2020 16:00

Tgt Ion:105 Resp: 940118

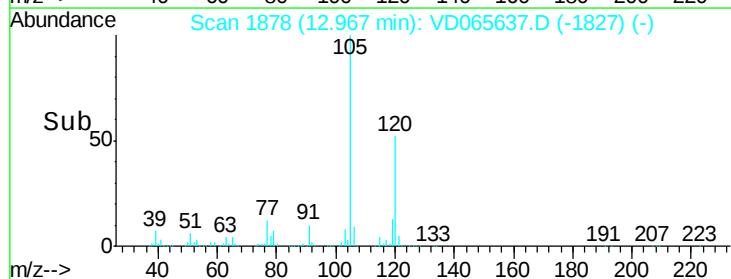
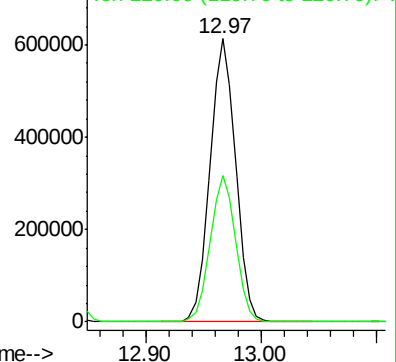
Ion Ratio Lower Upper

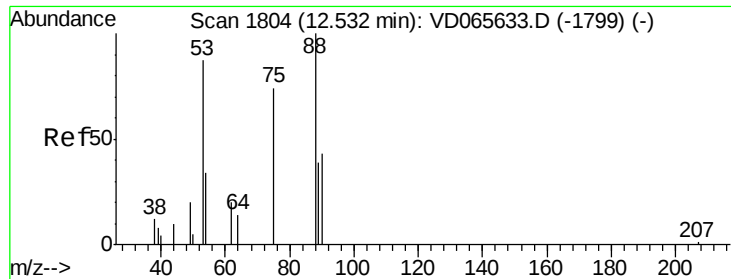
105 100

120 51.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065633.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 113.639 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

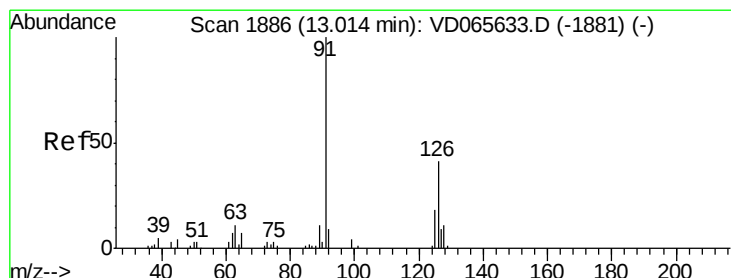
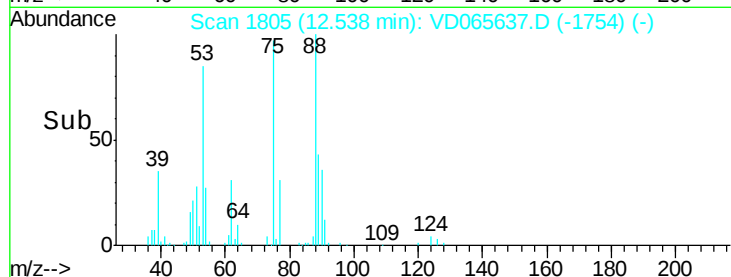
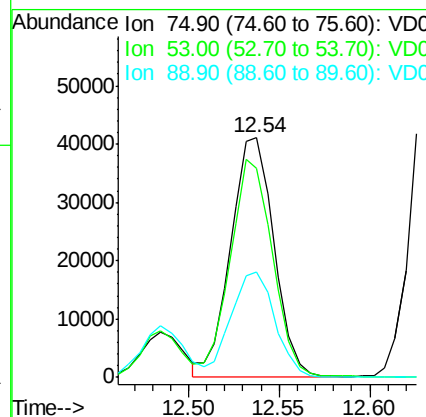
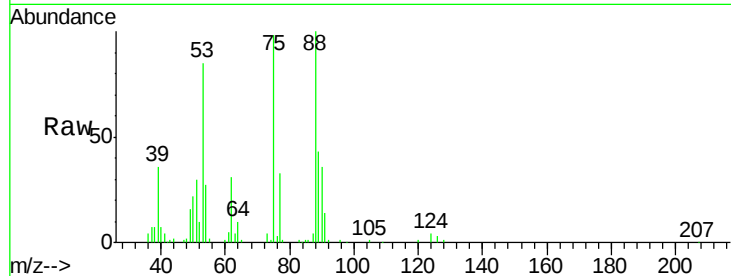
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	68401
Ion	Ratio	Lower	Upper
75	100		
53	89.4	76.8	115.2
89	44.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 97.354 ug/l

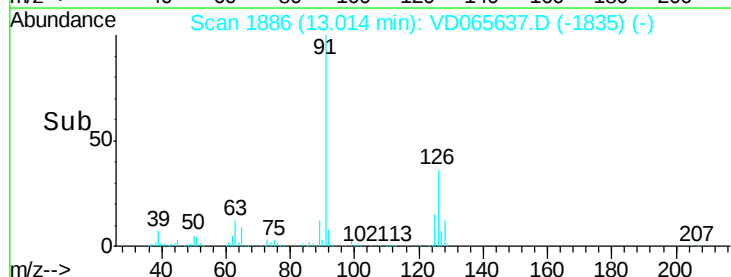
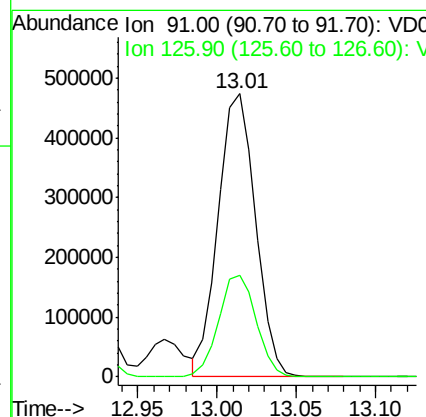
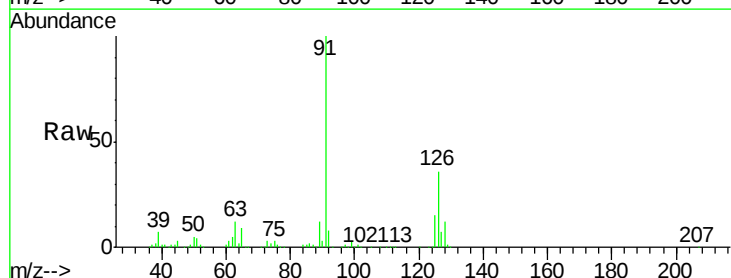
RT: 13.01 min Scan# 1886

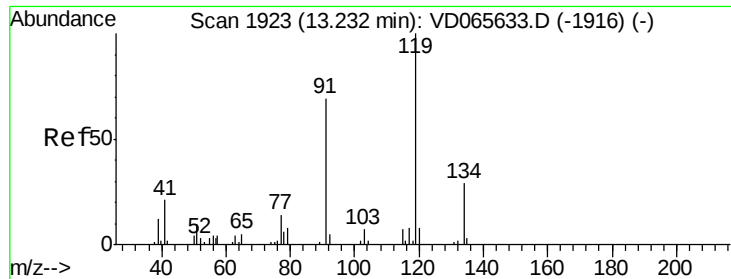
Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Tgt Ion:	91	Resp:	778438
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.5	52.6





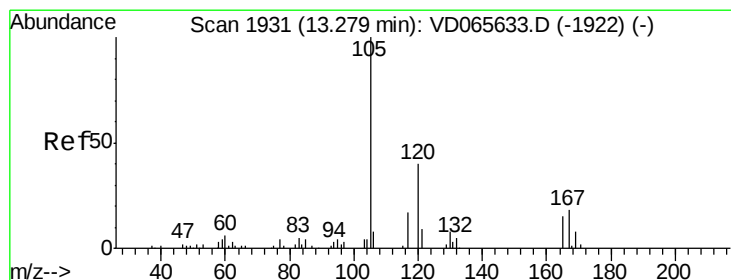
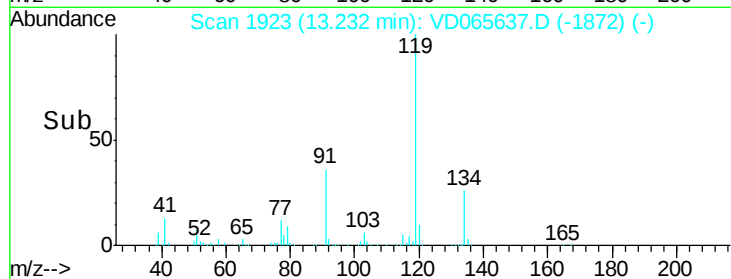
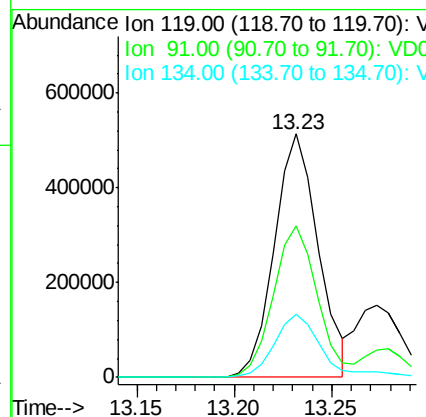
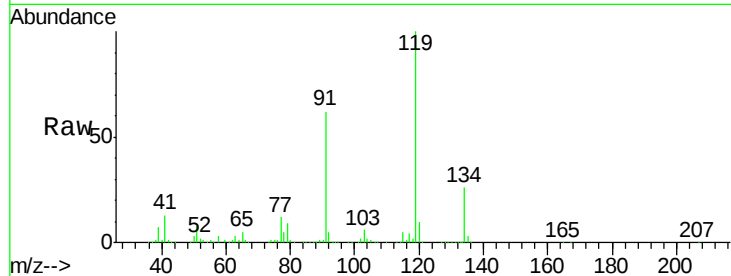
#83
 tert-Butylbenzene
 Concen: 106.808 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	799304		
91	62.8		31.7	95.1
134	27.8		14.0	41.9

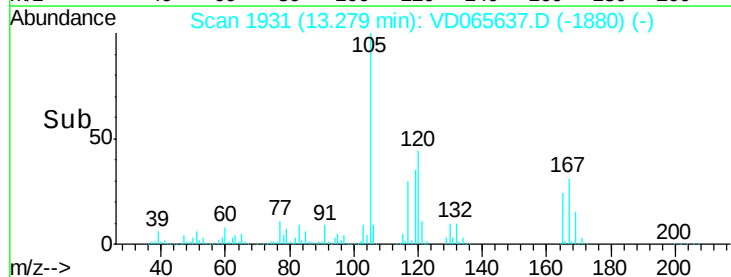
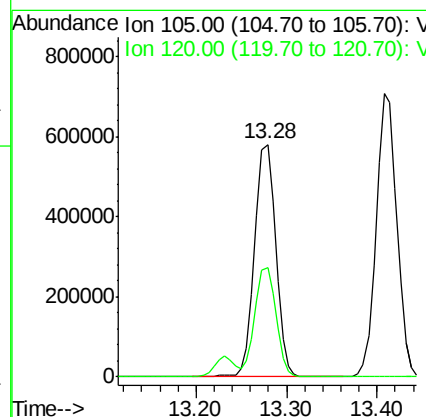
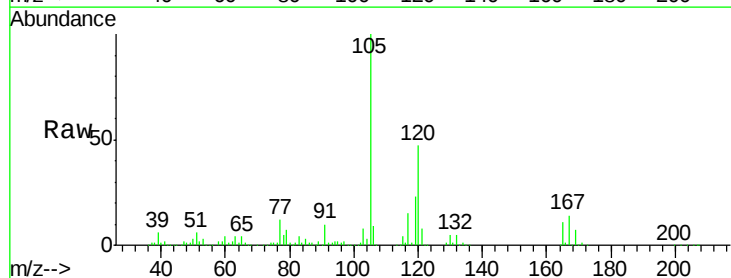
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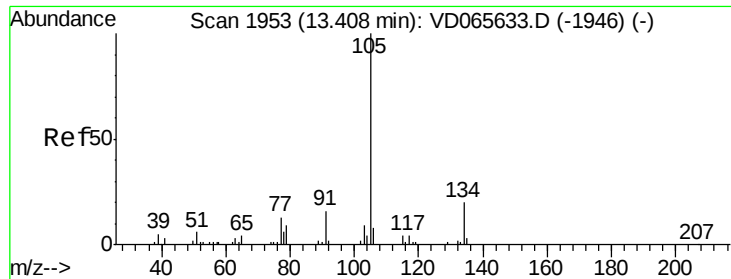
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#84
 1,2,4-Trimethylbenzene
 Concen: 105.483 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	945062		
120	46.8		23.5	70.6





#85

sec-Butylbenzene

Concen: 104.049 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1117623

Ion Ratio Lower Upper

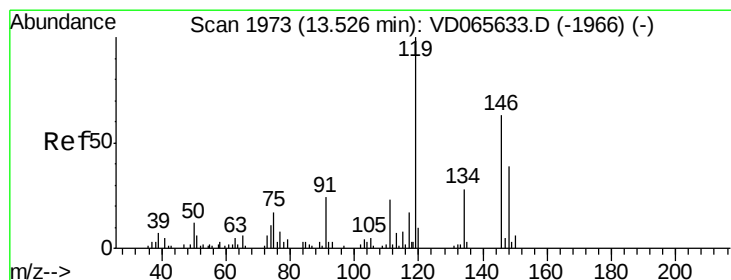
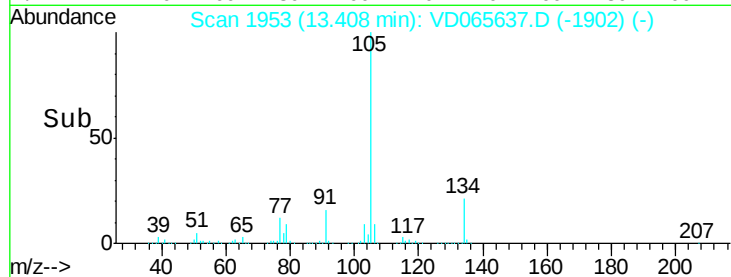
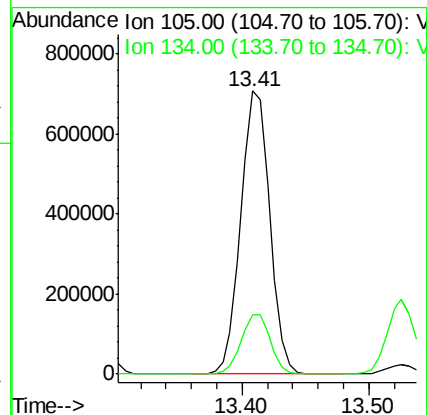
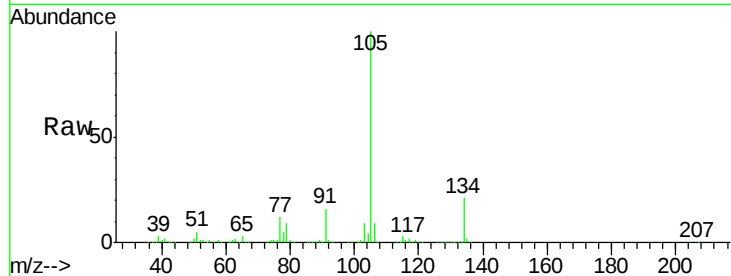
105 100

134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 106.351 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065637.D

Acq: 15 Apr 2020 16:00

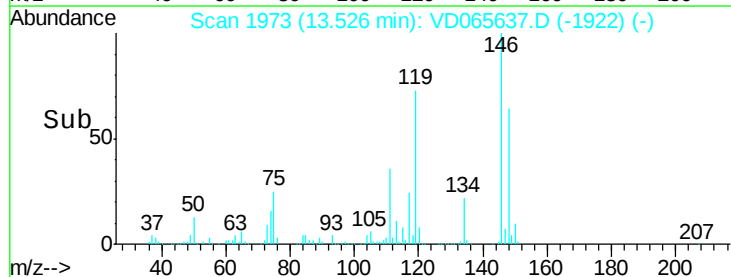
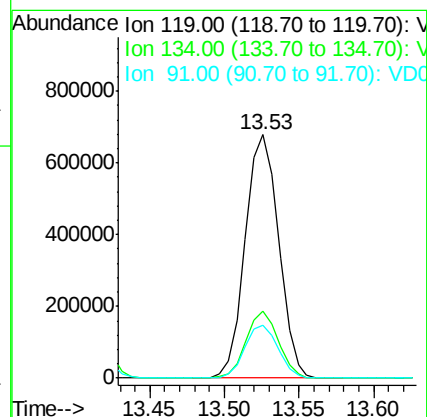
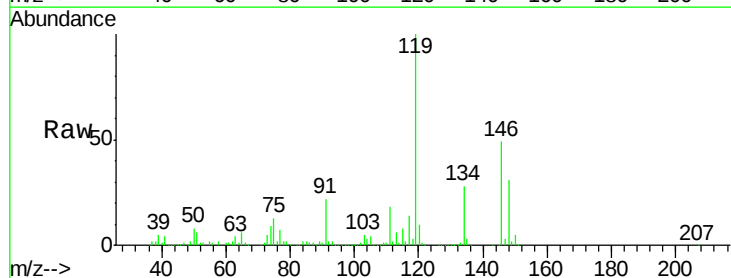
Tgt Ion:119 Resp: 1053384

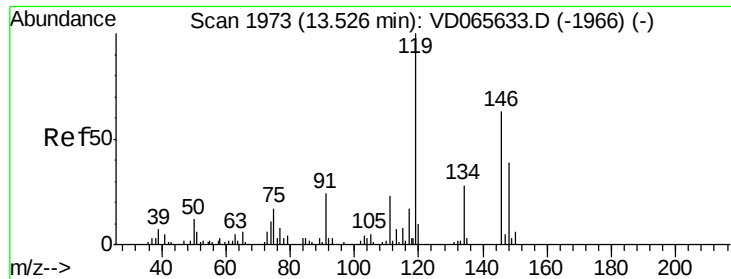
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.7 11.1 33.3





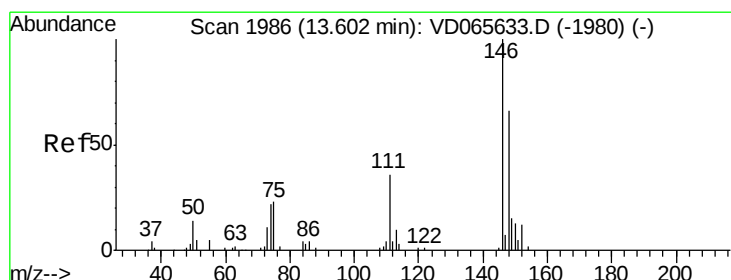
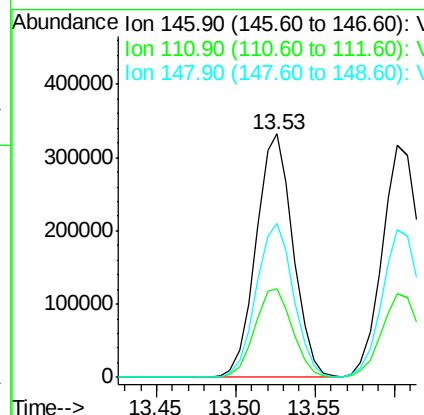
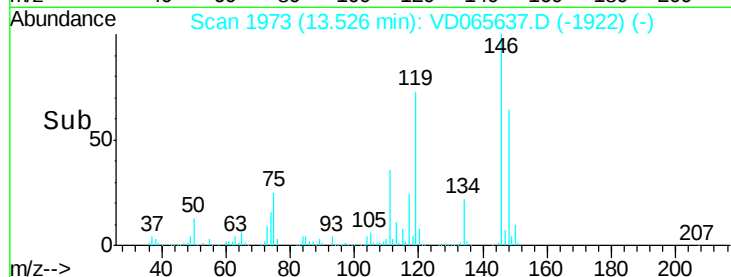
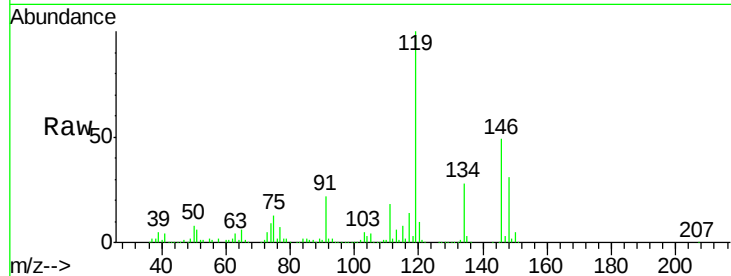
#87
 1,3-Dichlorobenzene
 Concen: 94.231 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	63.9	31.6	94.8

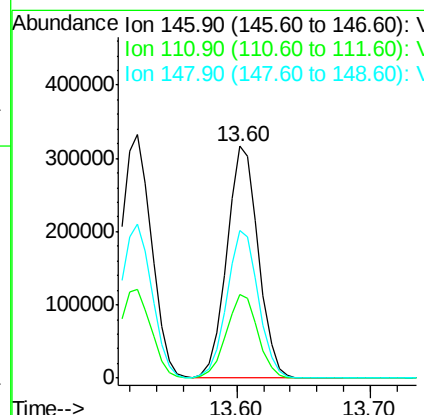
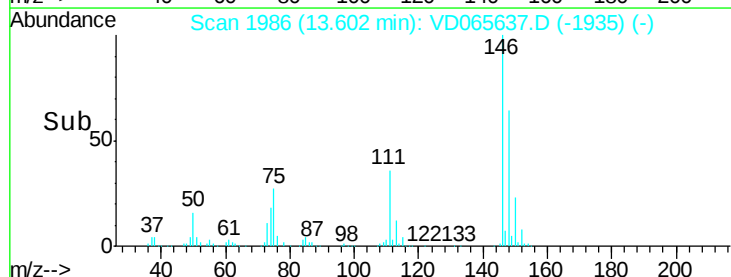
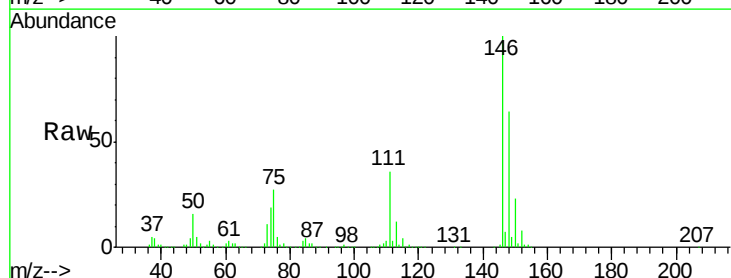
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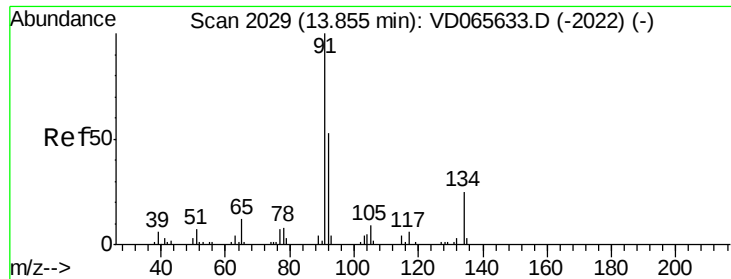
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#88
 1,4-Dichlorobenzene
 Concen: 91.867 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.0	54.0
148	63.7	31.4	94.2





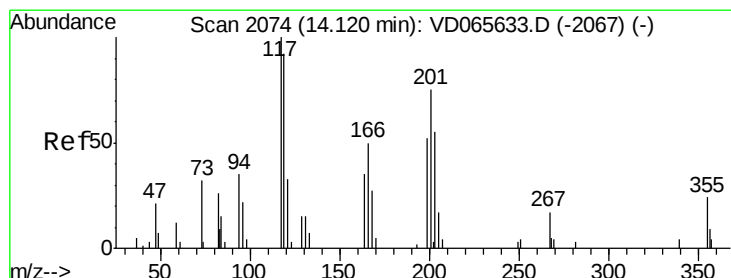
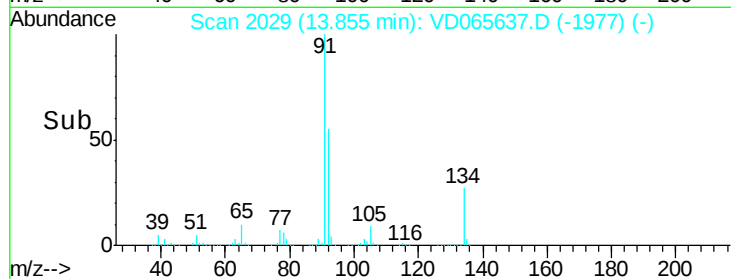
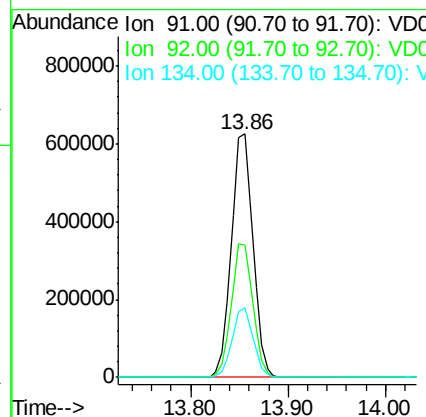
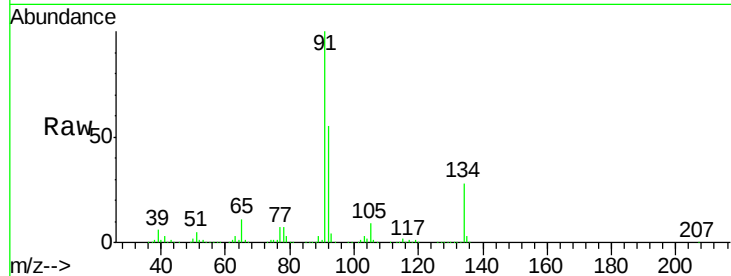
#89
n-Butylbenzene
Concen: 107.122 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	961471		
92	54.6	26.9	80.6	
134	27.7	13.6	40.8	

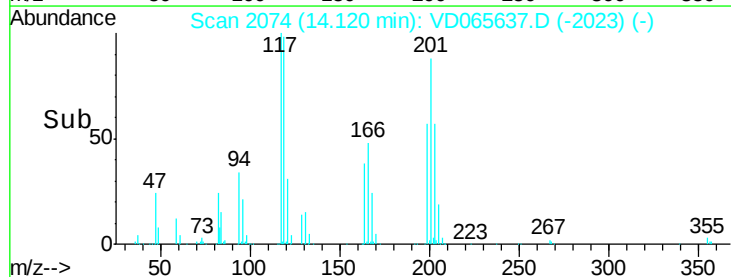
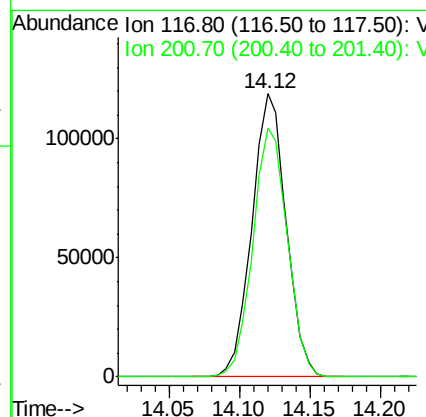
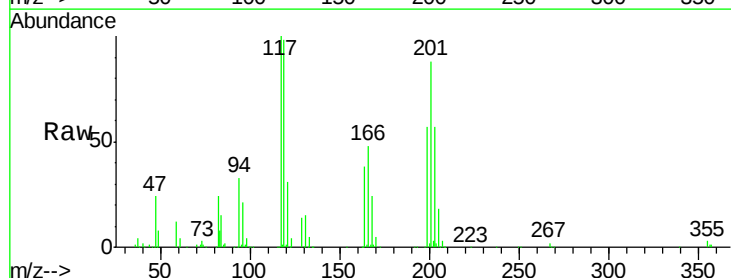
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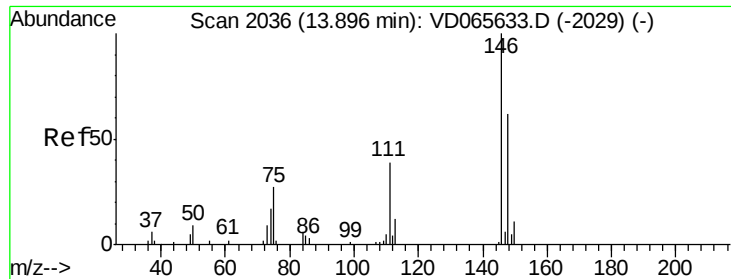
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#90
Hexachloroethane
Concen: 93.486 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	202703		
201	88.5	44.9	134.7	





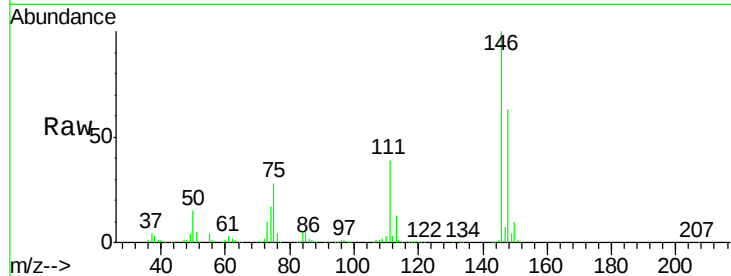
#91
 1,2-Dichlorobenzene
 Concen: 94.327 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

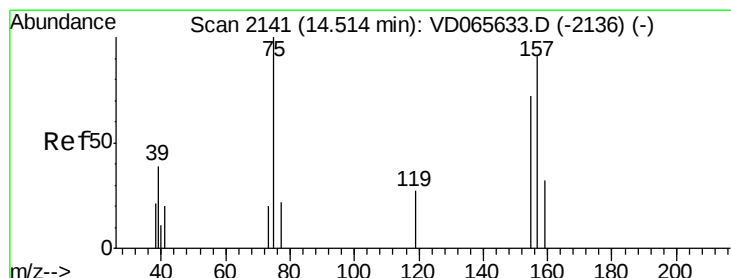
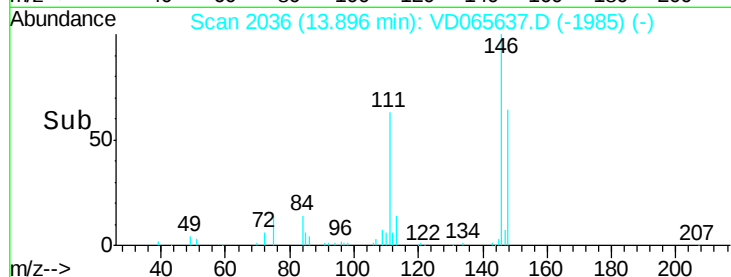
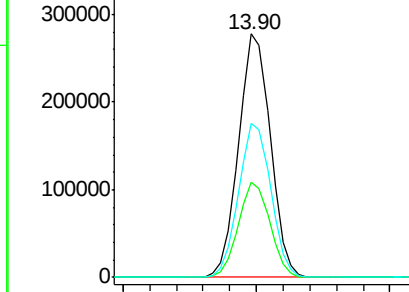
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.9	32.0	96.0

Manual Integrations
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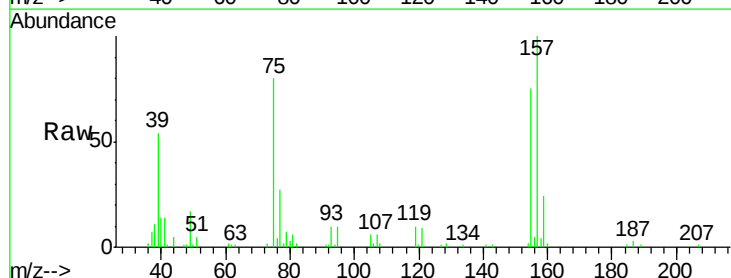


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

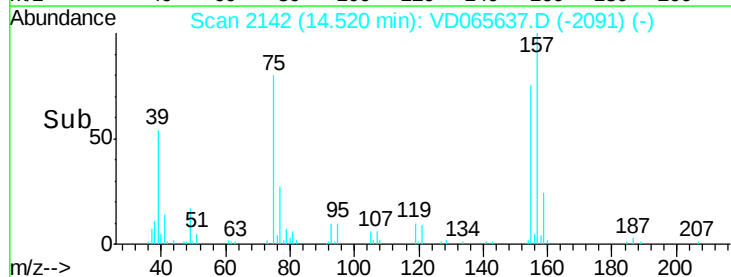
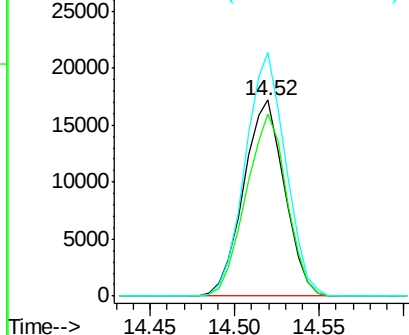


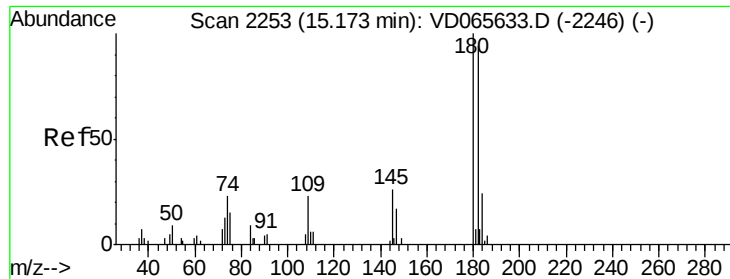
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.124 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.0	144.2
157	121.5	59.2	177.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





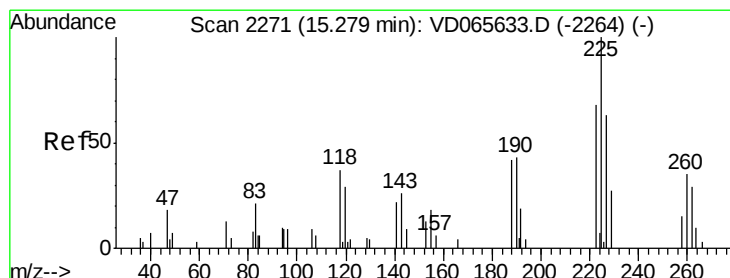
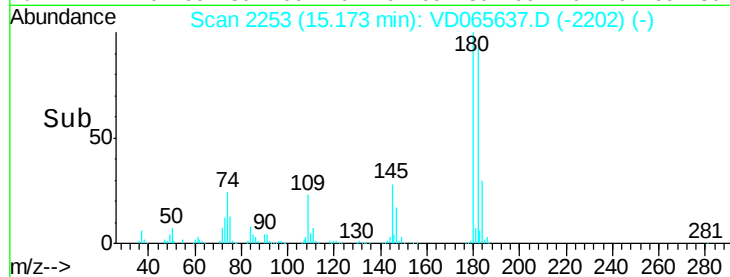
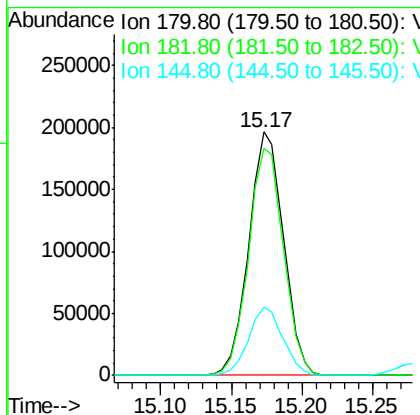
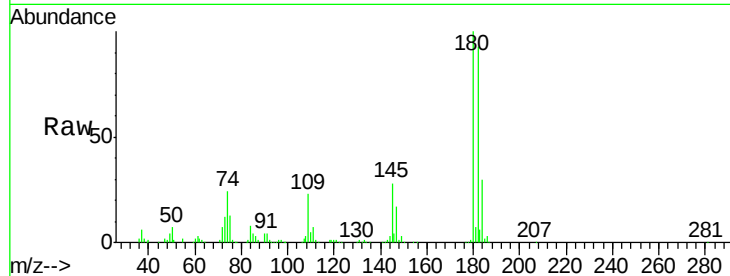
#93
 1,2,4-Trichlorobenzene
 Concen: 105.471 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339251		
182	94.1	48.9	146.6	
145	27.6	13.8	41.3	

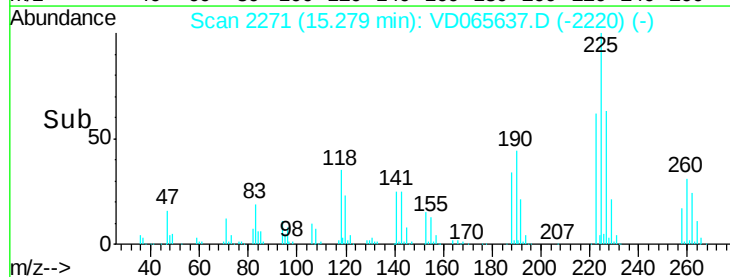
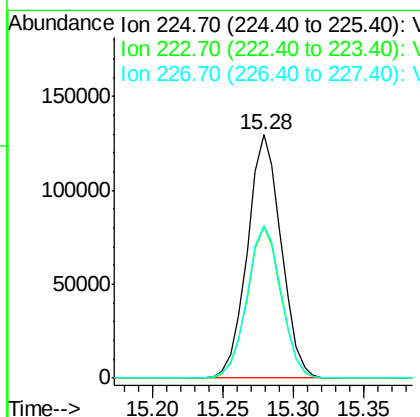
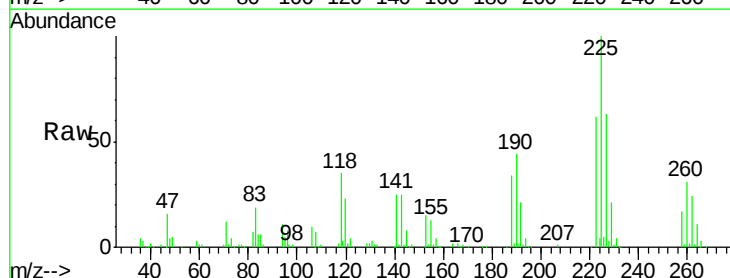
Manual Integrations
 APPROVED

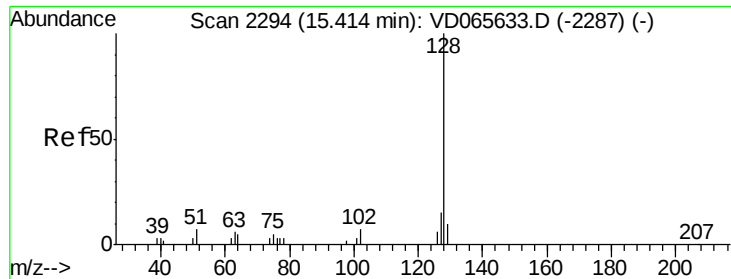
MMDadoda
 4/16/2020 3:13:38 PM



#94
 Hexachlorobutadiene
 Concen: 97.594 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065637.D
 Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	217639		
223	62.3	31.9	95.5	
227	63.8	32.0	96.2	





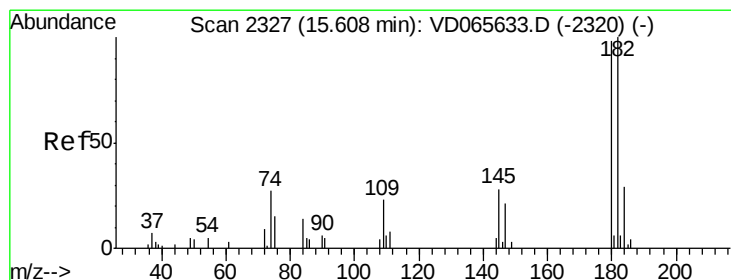
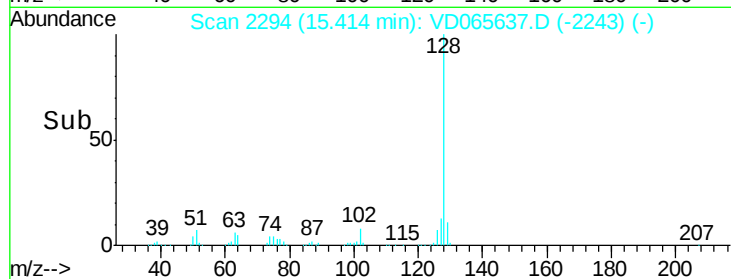
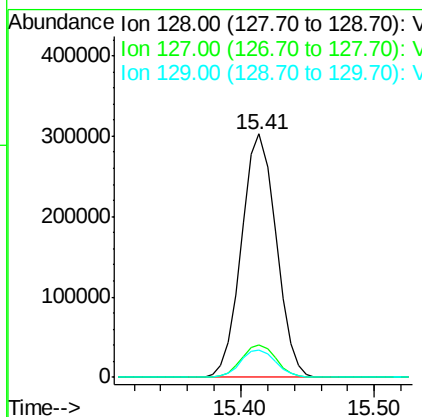
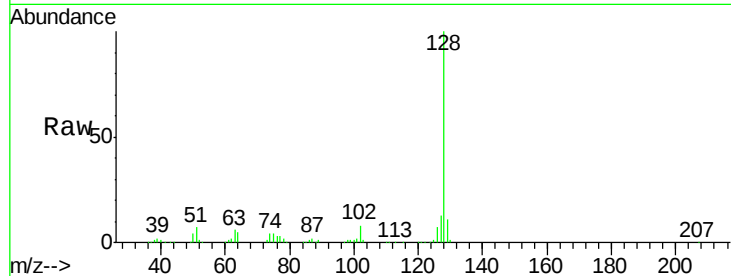
#95
Naphthalene
Concen: 115.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	544596		
127	13.4		10.6	16.0
129	11.3		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 102.852 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065637.D
Acq: 15 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	289740		
182	95.7		47.8	143.3
145	29.8		15.0	45.0

