

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062664.D
 Acq On : 10 Jun 2019 20:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:49 AM

Quant Time: Jun 11 05:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	687249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	906639	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	775172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	437776	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	541952	54.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.30%	
35) Dibromofluoromethane	6.92	113	557828	58.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.68%	
50) Toluene-d8	10.42	98	1202060	59.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.52%	
62) 4-Bromofluorobenzene	13.56	95	552662	58.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	386223	48.249	ug/l	99
3) Chloromethane	1.74	50	368871	54.245	ug/l	97
4) Vinyl Chloride	1.84	62	367429	52.400	ug/l	94
5) Bromomethane	2.15	94	200295	56.589	ug/l	95
6) Chloroethane	2.26	64	170034	49.115	ug/l	91
7) Trichlorofluoromethane	2.53	101	822943	52.434	ug/l	98
8) Diethyl Ether	2.86	74	121584	56.957	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	484117	57.195	ug/l	96
10) Methyl Iodide	3.30	142	523586	43.205	ug/l	91
11) Tert butyl alcohol	4.08	59	118475	290.639	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	344185	56.662	ug/l	99
13) Acrolein	3.03	56	29669	226.266	ug/l	96
14) Allyl chloride	3.61	41	517225	55.378	ug/l	94
15) Acrylonitrile	4.19	53	288501	311.449	ug/l	98
16) Acetone	3.22	43	547412	301.446	ug/l	93
17) Carbon Disulfide	3.37	76	1044353	58.343	ug/l	99
18) Methyl Acetate	3.63	43	164559	55.140	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	862138	58.194	ug/l	97
20) Methylene Chloride	3.81	84	361723	52.745	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	381027	57.185	ug/l	90
22) Diisopropyl ether	5.12	45	1174124	60.543	ug/l	95
23) Vinyl Acetate	5.05	43	3677232	305.640	ug/l	98
24) 1,1-Dichloroethane	4.98	63	727612	58.321	ug/l	97
25) 2-Butanone	6.07	43	531995	300.288	ug/l	96
26) 2,2-Dichloropropane	6.02	77	784101	54.532	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	436600	60.444	ug/l	93
28) Bromochloromethane	6.44	49	291357	61.093	ug/l	89
29) Tetrahydrofuran	6.46	42	252414	316.383	ug/l	98
30) Chloroform	6.66	83	884018	55.227	ug/l	97
31) Cyclohexane	6.95	56	465374	59.464	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	916370	57.533	ug/l	97
36) 1,1-Dichloropropene	7.15	75	594547	57.298	ug/l	97
37) Ethyl Acetate	6.17	43	262037	59.005	ug/l #	88
38) Carbon Tetrachloride	7.11	117	912245m	55.621	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	508503	60.643	ug/l	94
40) Benzene	7.45	78	1185986	58.526	ug/l	96
41) Methacrylonitrile	6.45	41	336470	61.944	ug/l	92
42) 1,2-Dichloroethane	7.58	62	689964	57.125	ug/l	98
43) Isopropyl Acetate	9.24	43	346378	63.265	ug/l	91
44) Trichloroethene	8.54	130	480170	58.367	ug/l	93
45) 1,2-Dichloropropane	8.94	63	296344	60.883	ug/l	99
46) Dibromomethane	9.06	93	265752	61.509	ug/l	99
47) Bromodichloromethane	9.37	83	715931	60.914	ug/l	98
48) Methyl methacrylate	9.12	41	238065	60.187	ug/l	93
49) 1,4-Dioxane	9.08	88	40859	1147.830	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	1190188	310.672	ug/l	99
52) Toluene	10.50	92	825794	60.625	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	608522	63.149	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	628298	63.086	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	289002	61.867	ug/l	96
56) Ethyl methacrylate	11.05	69	328258	57.666	ug/l	96
57) 1,3-Dichloropropane	11.41	76	468791	64.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	736215	294.876	ug/l	99
59) 2-Hexanone	11.53	43	878246	308.184	ug/l	98
60) Dibromochloromethane	11.69	129	571823	62.011	ug/l	98
61) 1,2-Dibromoethane	11.80	107	360959	64.563	ug/l	96
64) Tetrachloroethene	11.26	164	438773	60.466	ug/l	95
65) Chlorobenzene	12.40	112	1066975	62.227	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	499354	61.063	ug/l	98
67) Ethyl Benzene	12.52	91	1783397	58.663	ug/l	97
68) m/p-Xylenes	12.67	106	1324718	123.949	ug/l	100
69) o-Xylene	13.05	106	610866	62.235	ug/l	92
70) Styrene	13.07	104	1002927	57.265	ug/l	92
71) Bromoform	13.23	173	348601	55.252	ug/l	98
73) Isopropylbenzene	13.41	105	1981581	64.219	ug/l	97
74) N-amyl acetate	13.26	43	476831	57.179	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	324770	61.512	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	360463	60.727	ug/l	100
77) Bromobenzene	13.67	156	532813	60.414	ug/l	96
78) n-propylbenzene	13.77	91	2091788	55.382	ug/l	98
79) 2-Chlorotoluene	13.84	91	1298846	58.731	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1693892	62.114	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	93338	52.788	ug/l	95
82) 4-Chlorotoluene	13.95	91	1584630	59.916	ug/l	98
83) tert-Butylbenzene	14.19	119	1814125	60.314	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	1507671	55.837	ug/l	99
85) sec-Butylbenzene	14.36	105	1818315	57.651	ug/l	94
86) p-Isopropyltoluene	14.49	119	1755283	57.160	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	907908	56.826	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	895864	59.331	ug/l	98
89) n-Butylbenzene	14.80	91	1656638	59.966	ug/l	99
90) Hexachloroethane	15.00	117	475666	58.674	ug/l	74
91) 1,2-Dichlorobenzene	14.81	146	804024	60.539	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71953	63.801	ug/l	88

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ClientSampleId :
VSTDCCC050EC

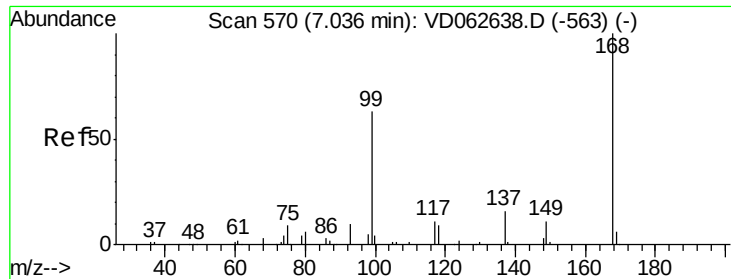
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	597928	52.852	ug/l	98
94) Hexachlorobutadiene	16.04	225	444889	56.737	ug/l	98
95) Naphthalene	16.13	128	867221	54.278	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	482127	63.025	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 687249

Ion Ratio Lower Upper

168 100

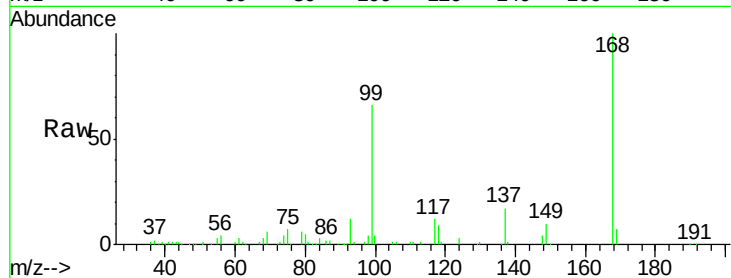
99 65.9 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

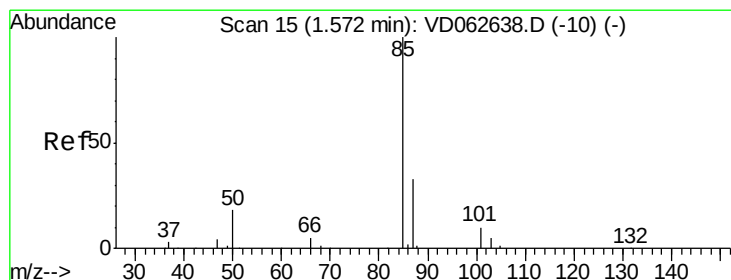
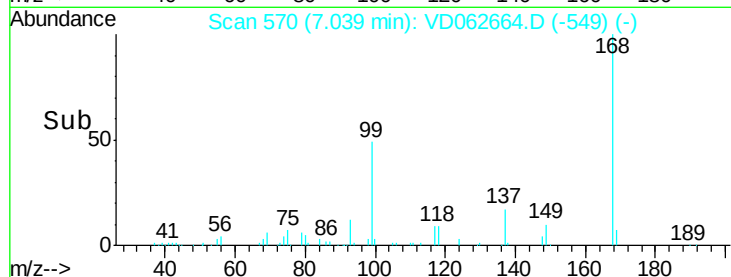
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.249 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062664.D

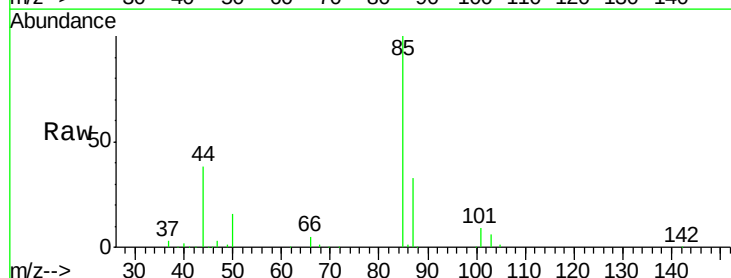
Acq: 10 Jun 2019 20:05

Tgt Ion: 85 Resp: 386223

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

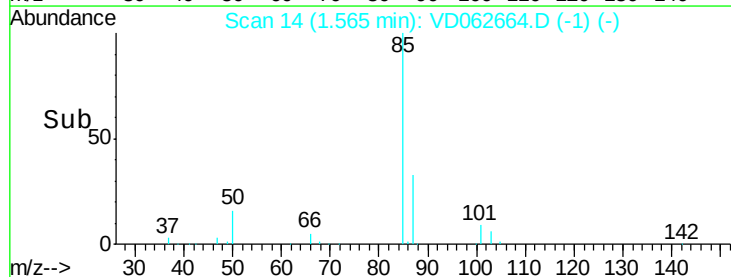
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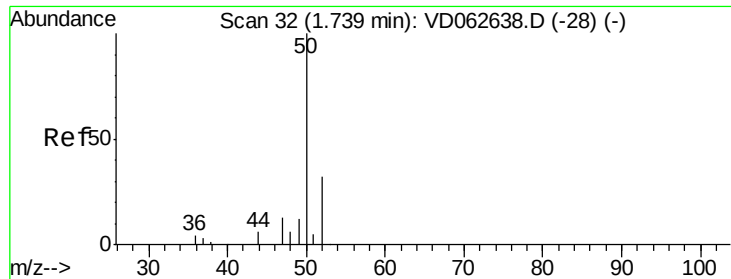
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 54.245 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 368871

Ion Ratio Lower Upper

50 100

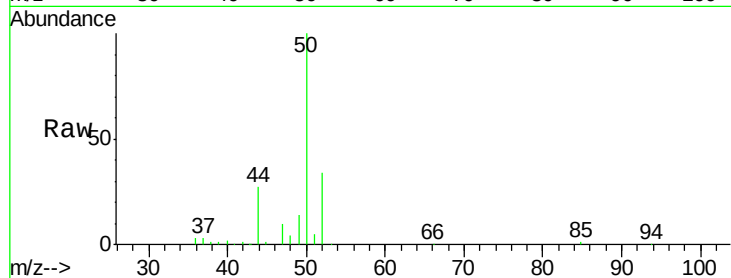
52 33.7 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

120000

100000

80000

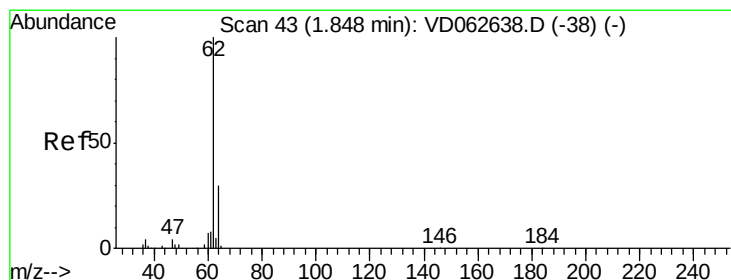
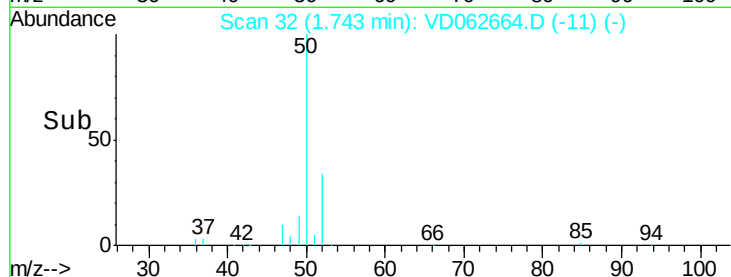
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 52.400 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062664.D

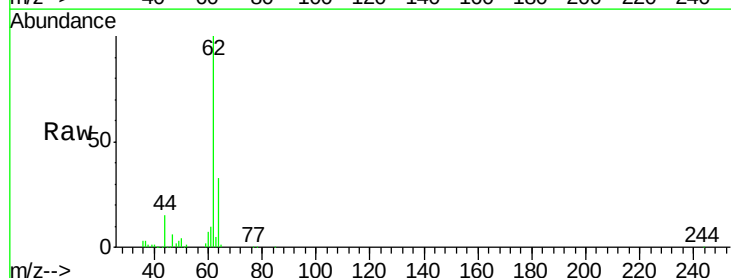
Acq: 10 Jun 2019 20:05

Tgt Ion: 62 Resp: 367429

Ion Ratio Lower Upper

62 100

64 33.5 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

200000

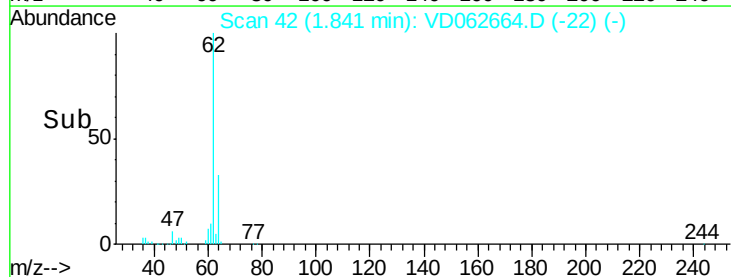
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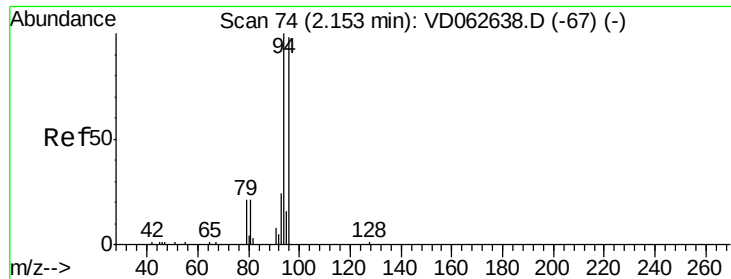
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 56.589 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

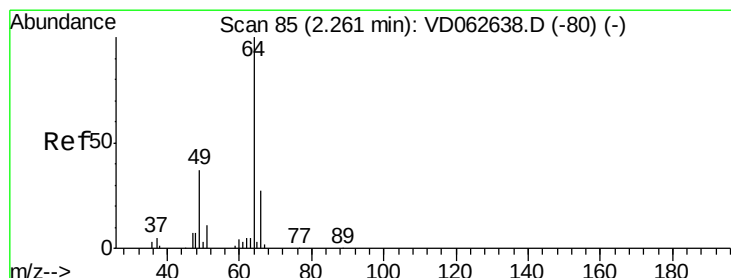
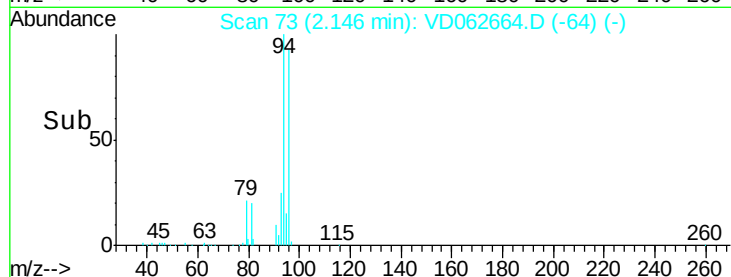
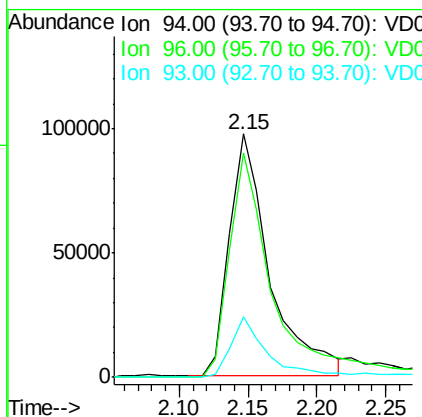
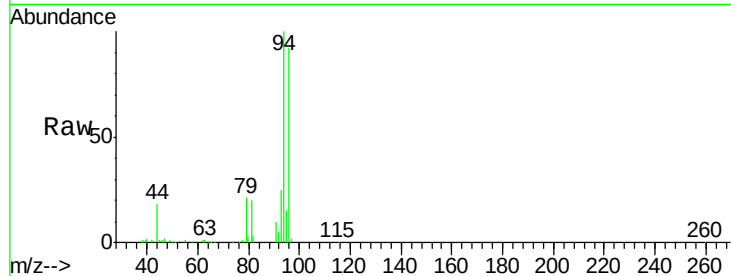
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	200295
Ion	Ratio	Lower	Upper
94	100		
96	92.3	78.1	117.1
93	25.1	19.6	29.4

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#6

Chloroethane

Concen: 49.115 ug/l

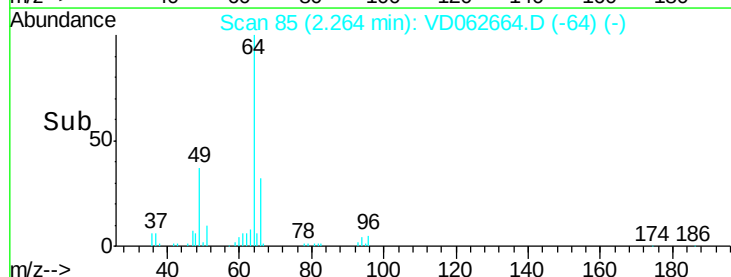
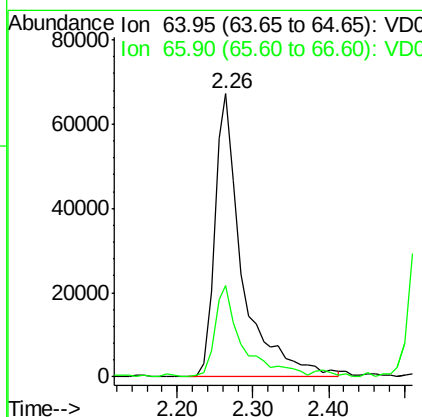
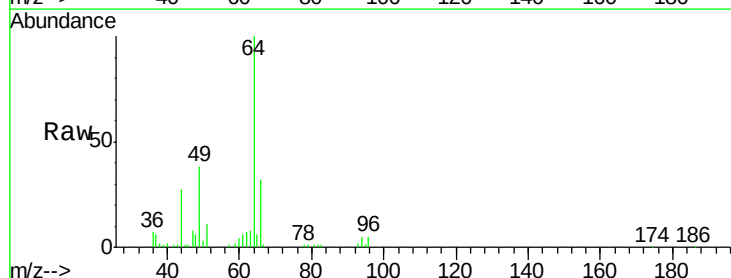
RT: 2.26 min Scan# 85

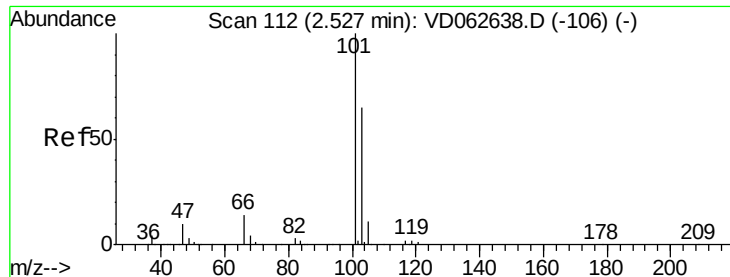
Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion:	64	Resp:	170034
Ion	Ratio	Lower	Upper
64	100		
66	32.2	21.9	32.9





#7

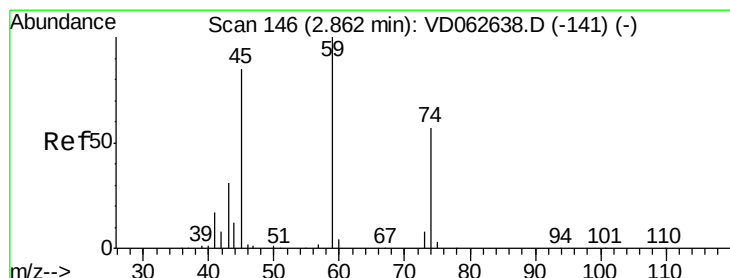
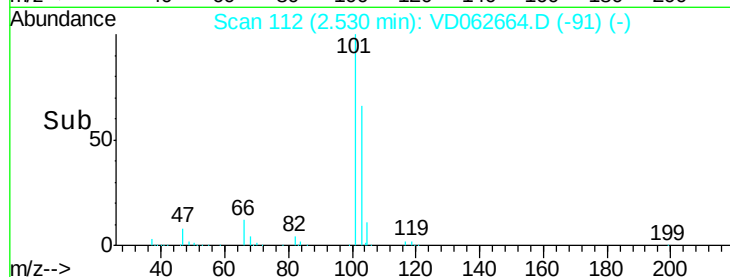
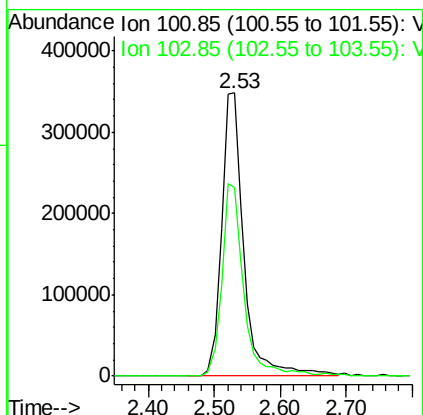
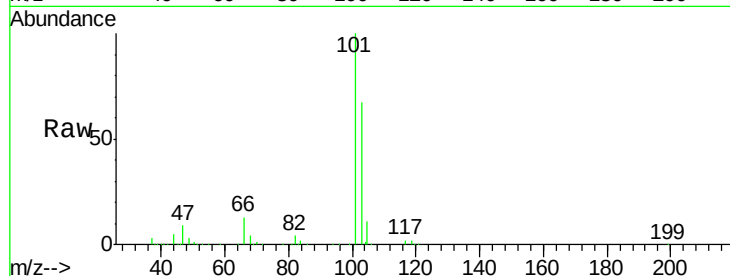
Trichlorofluoromethane
Concen: 52.434 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062664.D
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.2	78.2

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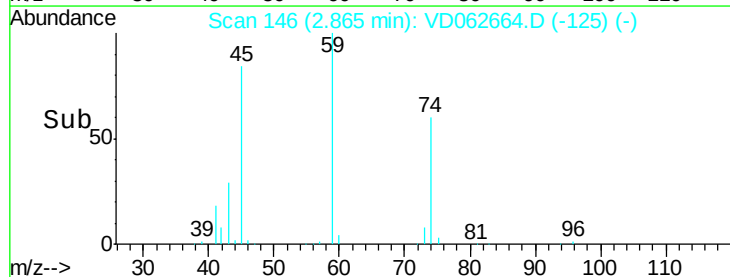
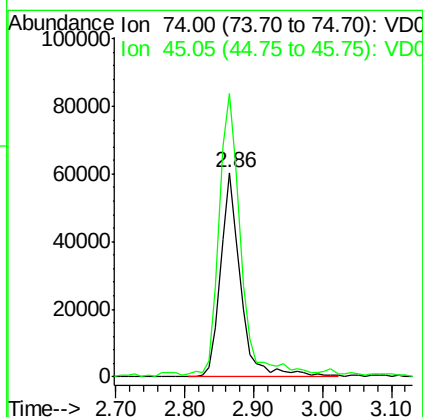
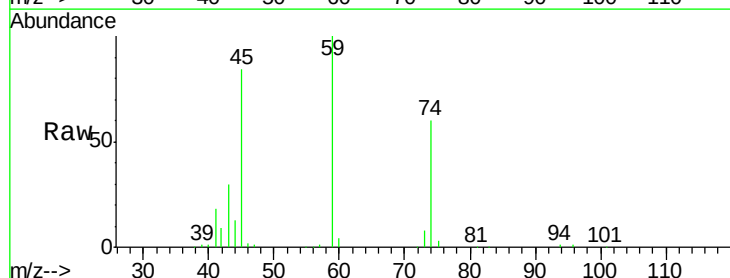
MMDadoda
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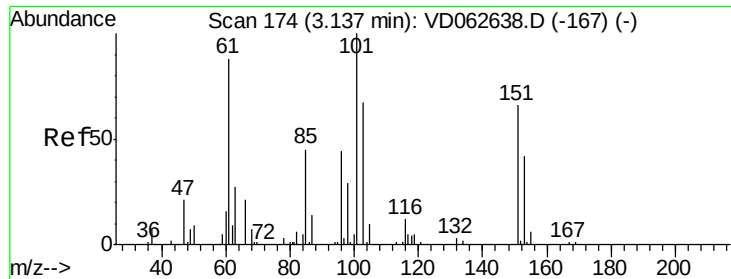


#8

Diethyl Ether
Concen: 56.957 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.6	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.195 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

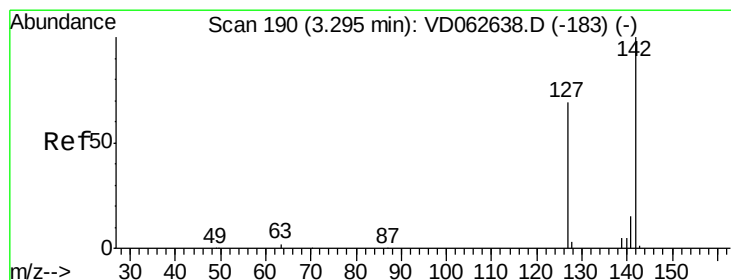
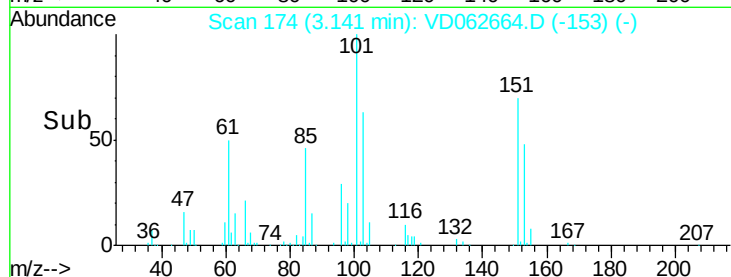
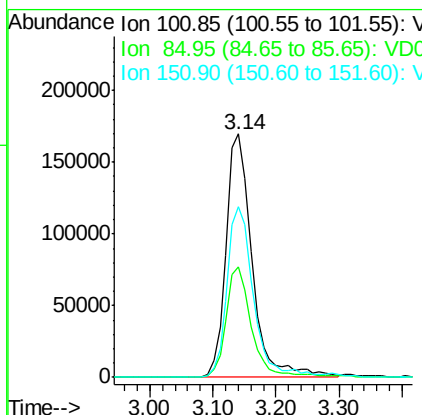
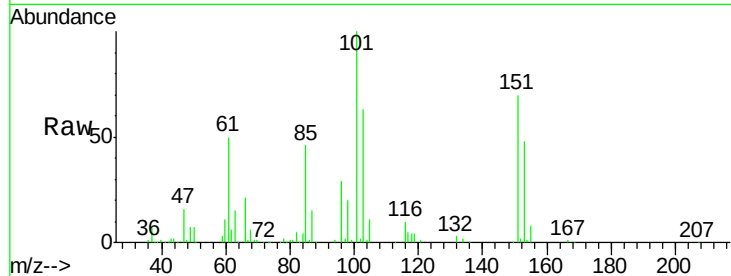
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	484117
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	70.1	52.6	79.0

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#10

Methyl Iodide

Concen: 43.205 ug/l

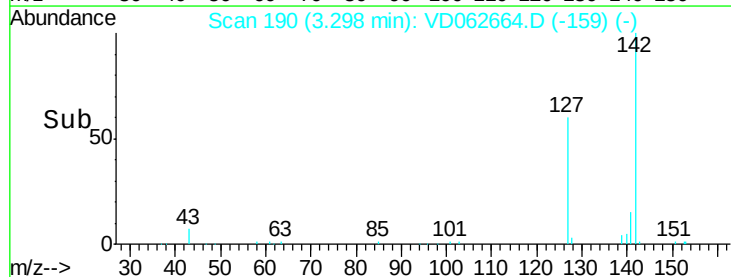
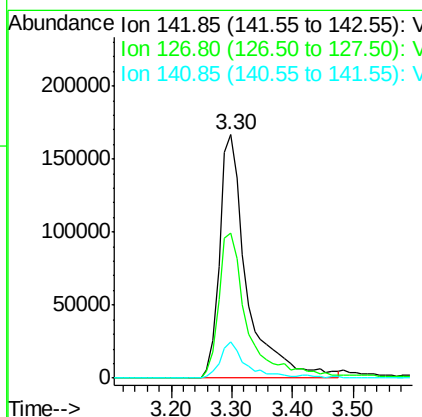
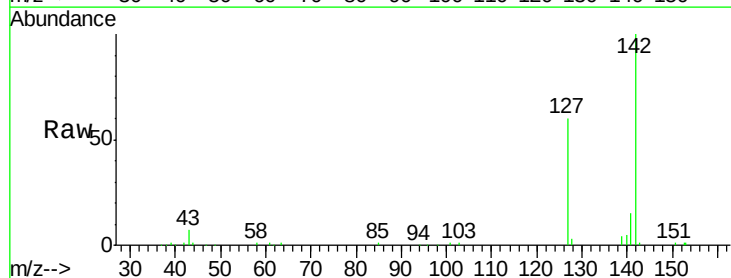
RT: 3.30 min Scan# 190

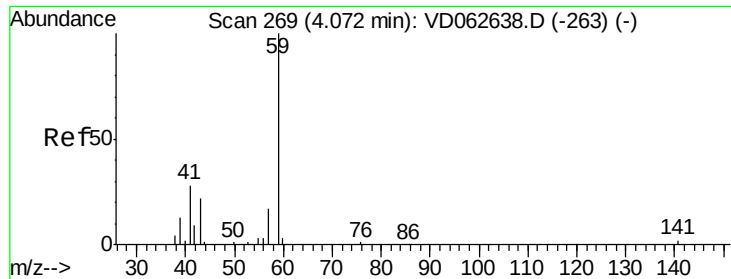
Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion:	142	Resp:	523586
Ion Ratio	Lower	Upper	
142	100		
127	59.7	55.2	82.8
141	15.0	12.1	18.1





#11

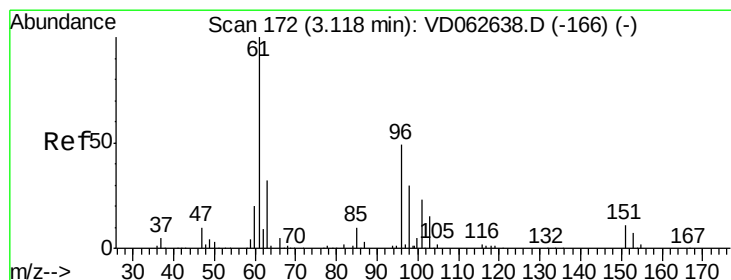
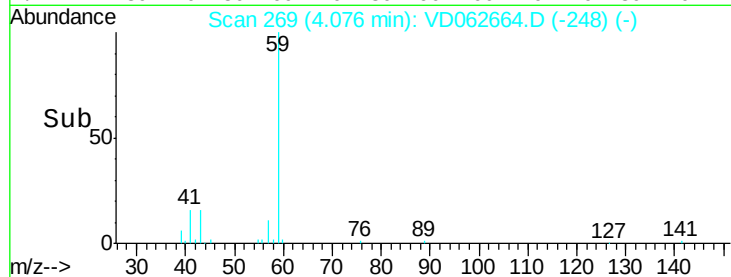
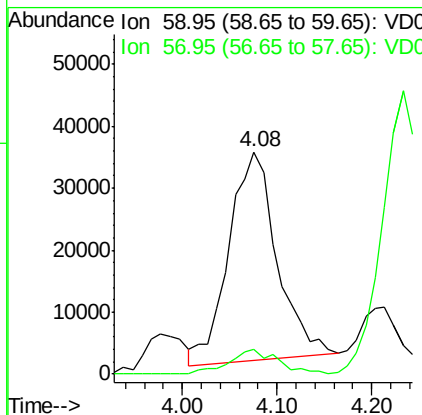
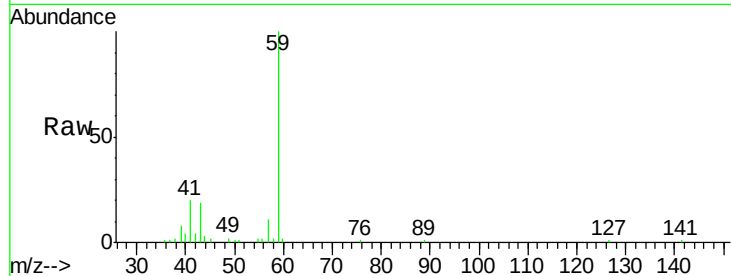
Tert butyl alcohol
 Concen: 290.639 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 118475
 Ion Ratio Lower Upper
 59 100
 57 11.2 13.7 20.5#

Manual Integrations
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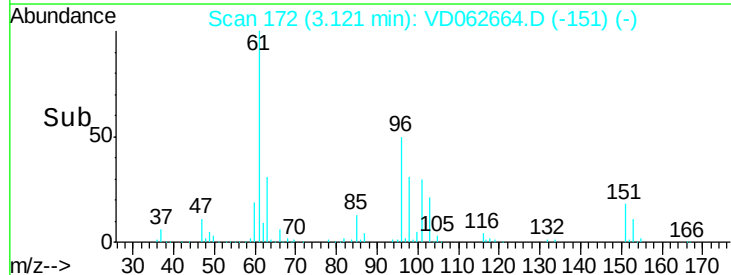
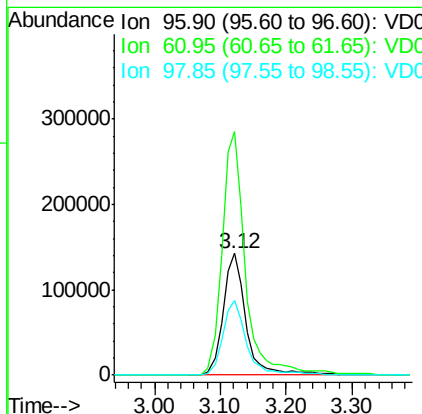
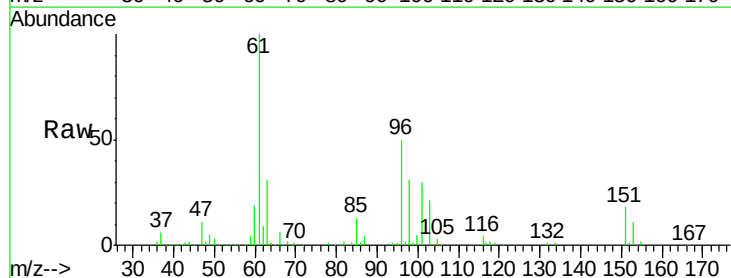
MMDadoda
 6/14/2019 12:38:49 AM

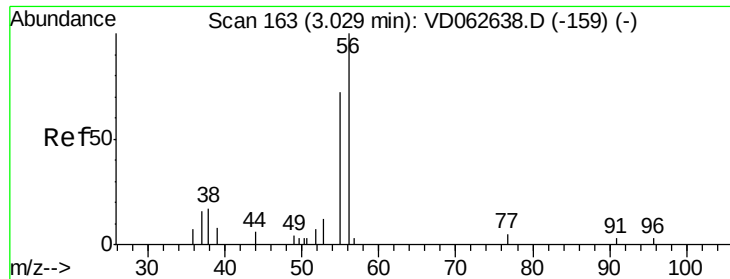


#12

1,1-Dichloroethene
 Concen: 56.662 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion: 96 Resp: 344185
 Ion Ratio Lower Upper
 96 100
 61 200.3 161.8 242.8
 98 61.1 48.2 72.4





#13

Acrolein

Concen: 226.266 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 29669

Ion Ratio Lower Upper

56 100

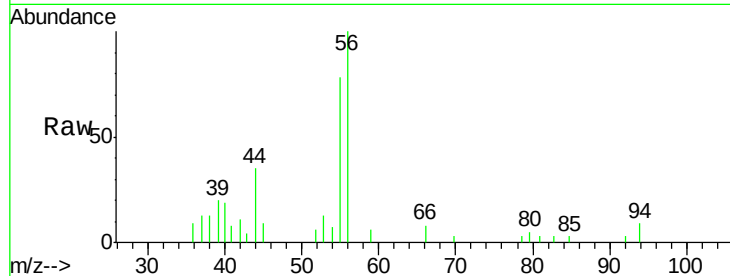
55 77.6 59.4 89.0

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

0

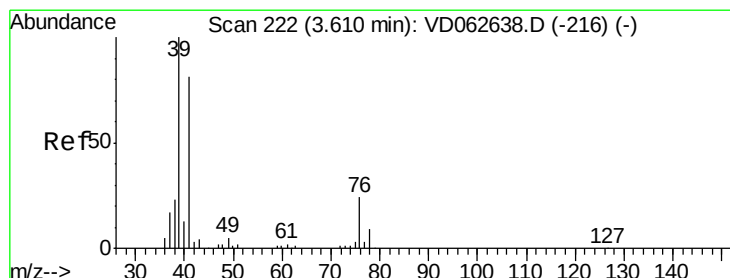
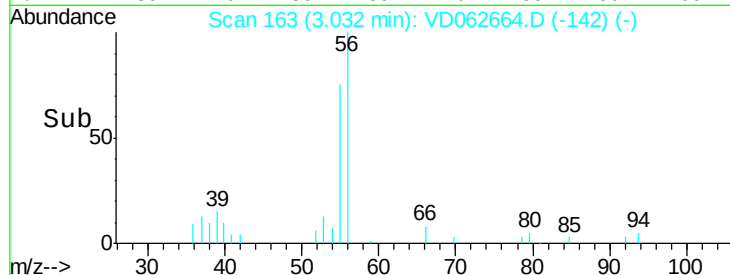
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 55.378 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

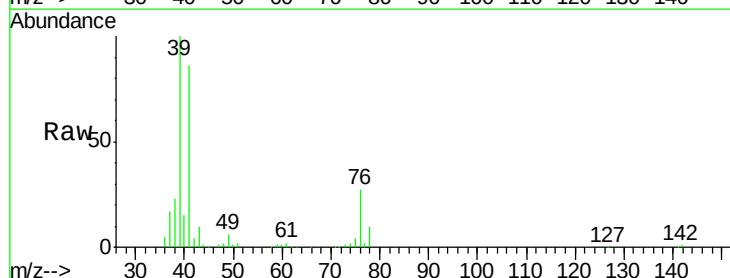
Tgt Ion: 41 Resp: 517225

Ion Ratio Lower Upper

41 100

39 115.9 99.1 148.7

76 31.6 25.0 37.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

50000

0

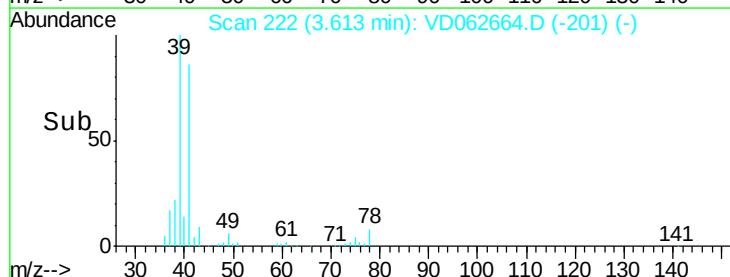
Time-->

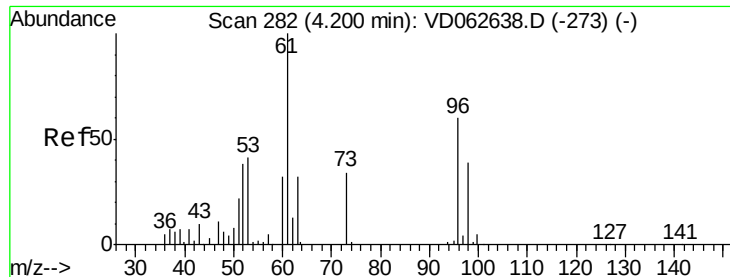
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 311.449 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

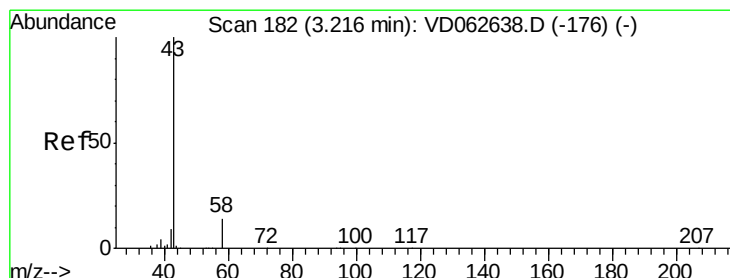
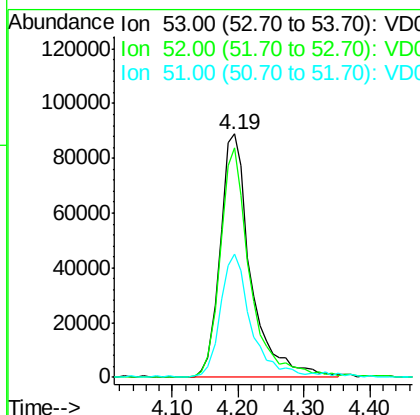
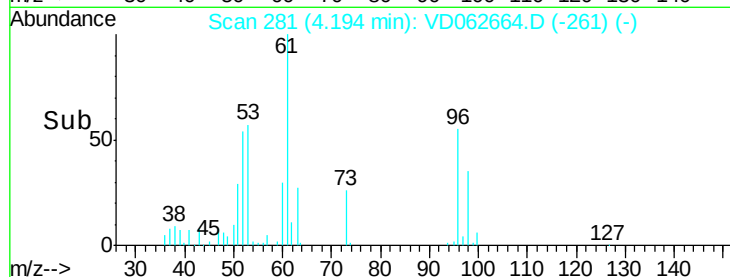
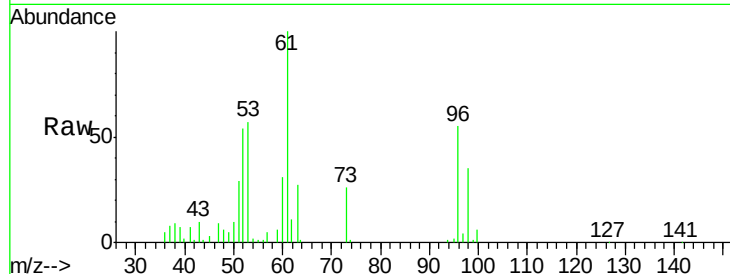
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	288501
Ion Ratio	Lower	Upper	
53	100		
52	94.1	73.6	110.4
51	50.5	42.0	63.0

Manual Integrations
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#16

Acetone

Concen: 301.446 ug/l

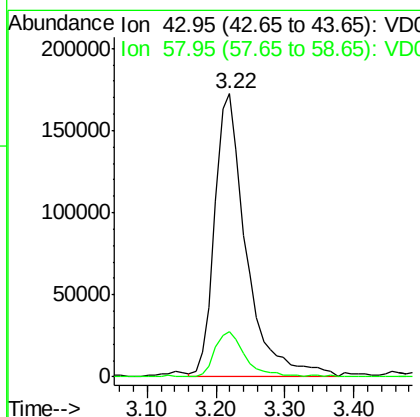
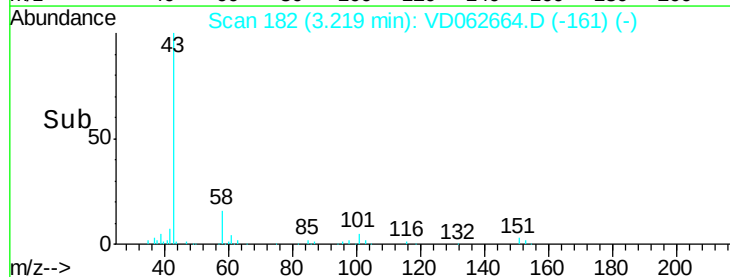
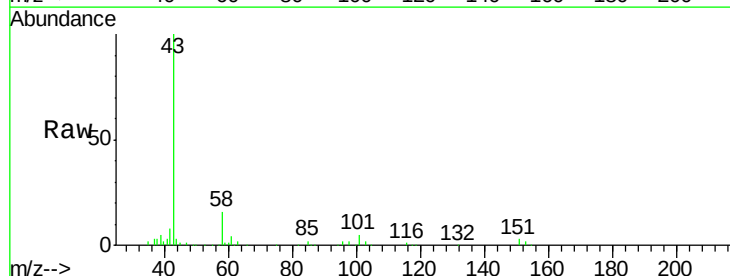
RT: 3.22 min Scan# 182

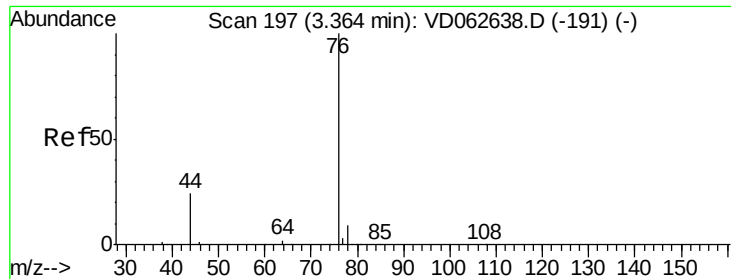
Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion:	43	Resp:	547412
Ion Ratio	Lower	Upper	
43	100		
58	16.2	10.8	16.2





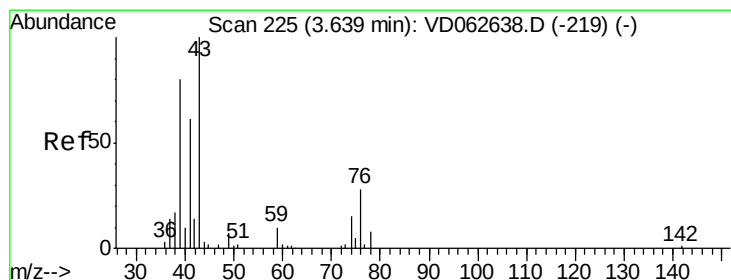
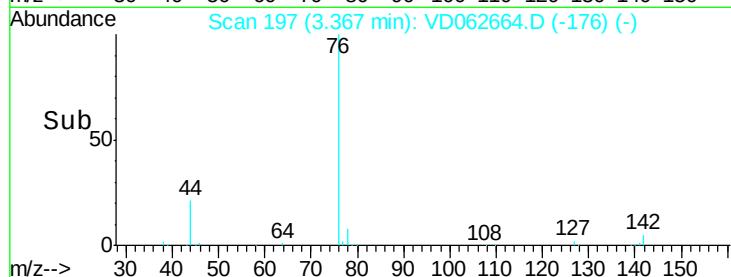
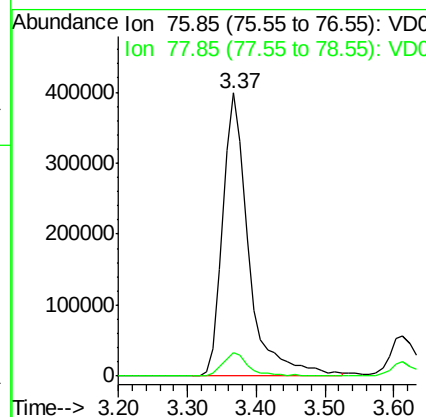
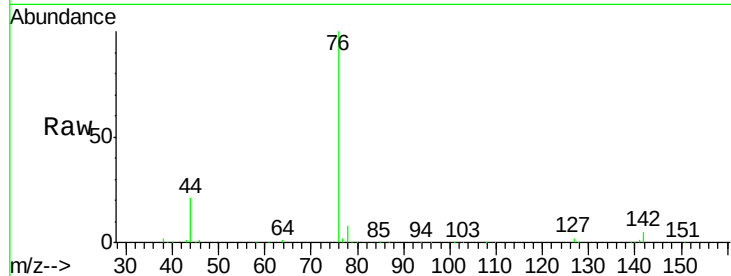
#17
Carbon Disulfide
Concen: 58.343 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1044353
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

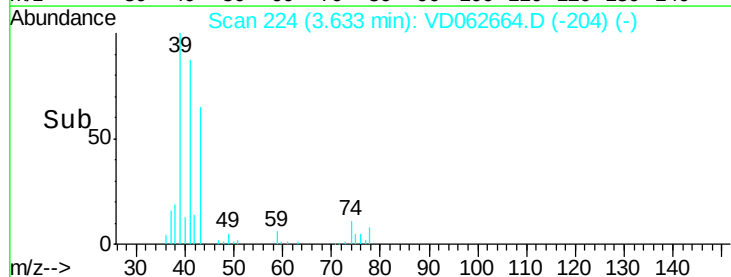
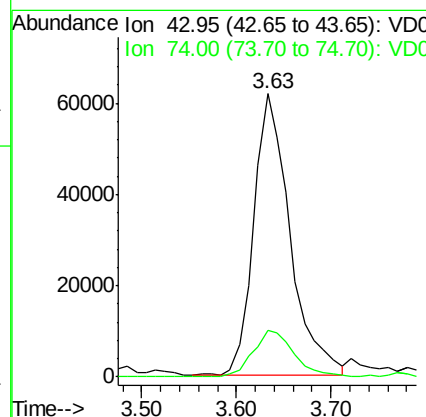
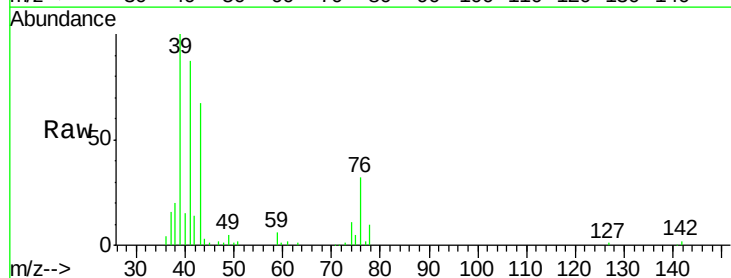
Manual Integrations
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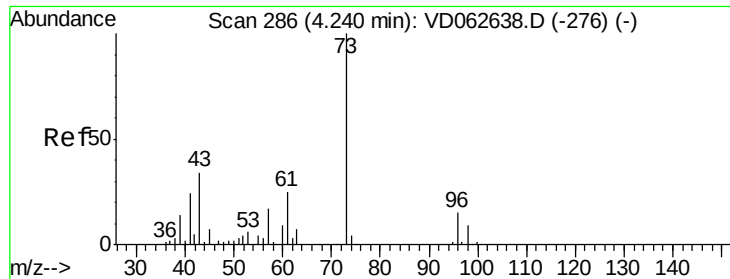
MMDadoda
6/14/2019 12:38:49 AM



#18
Methyl Acetate
Concen: 55.140 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 43 Resp: 164559
Ion Ratio Lower Upper
43 100
74 16.4 12.1 18.1





#19

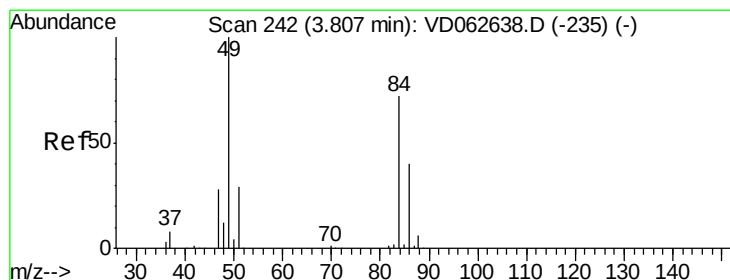
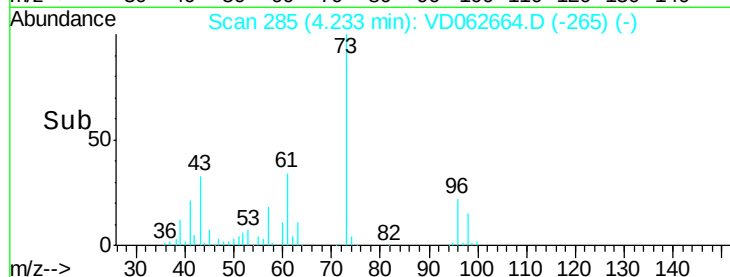
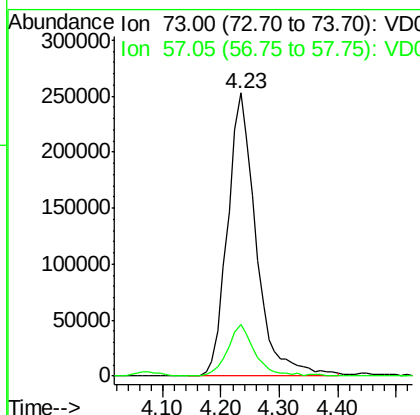
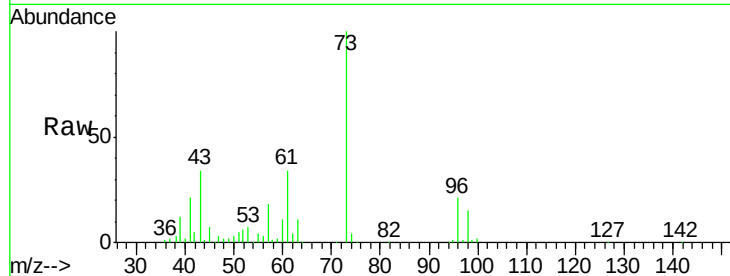
Methyl tert-butyl Ether
 Concen: 58.194 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	13.5	20.3

Manual Integrations
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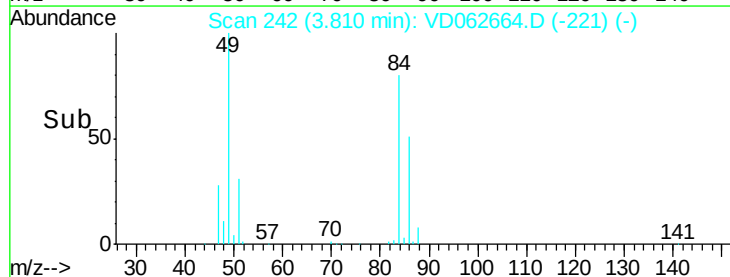
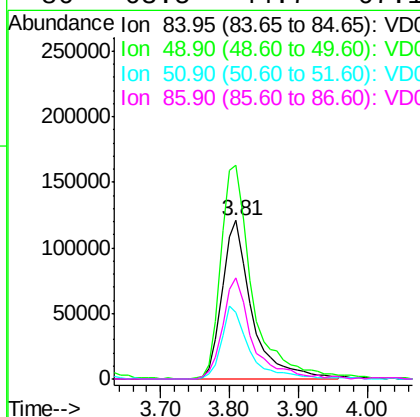
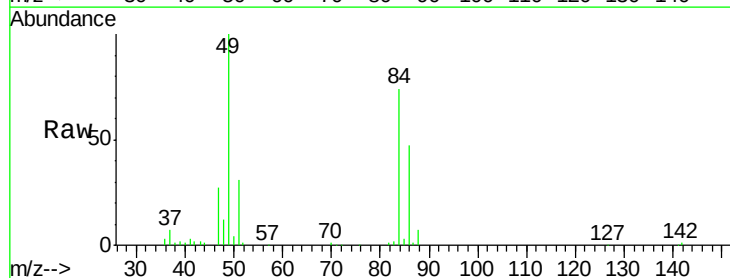
MMDadoda
 6/14/2019 12:38:49 AM

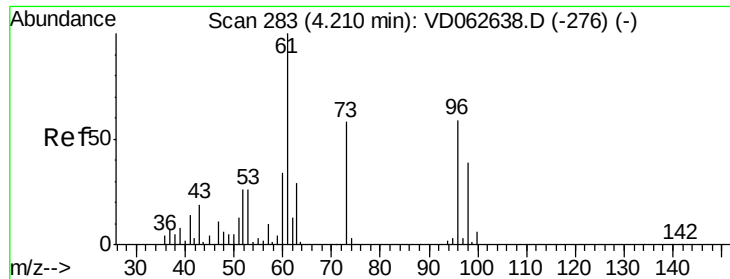


#20

Methylene Chloride
 Concen: 52.745 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.6	111.2	166.8
51	42.0	31.9	47.9
86	63.5	44.7	67.1





#21

trans-1,2-Dichloroethene

Concen: 57.185 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 381027

Ion Ratio Lower Upper

96 100

61 154.5 134.6 201.8

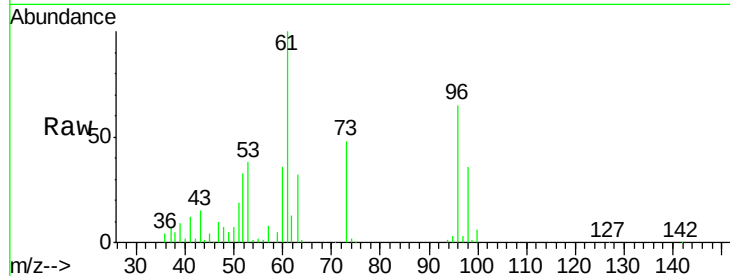
98 56.3 51.8 77.8

Manual Integrations

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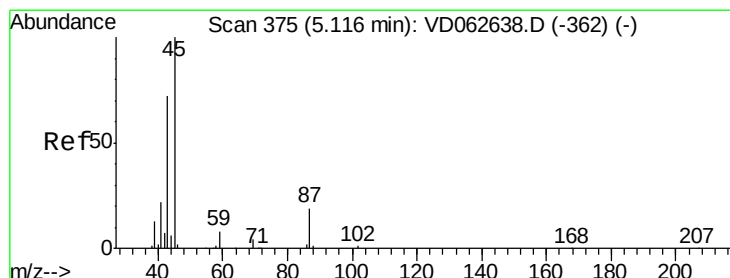
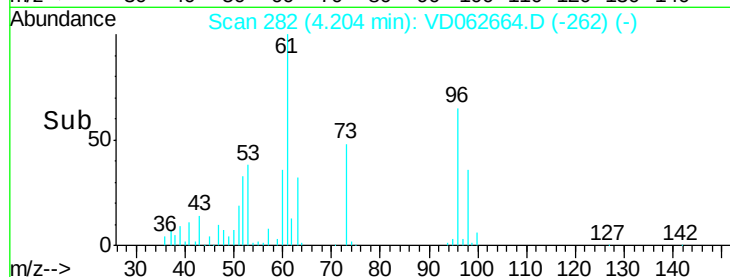
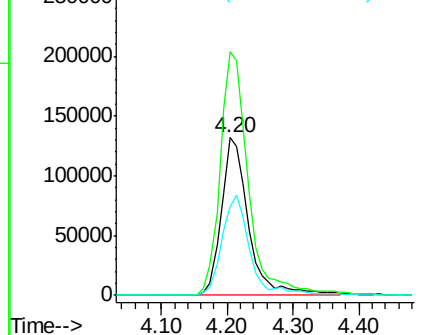
6/14/2019 12:38:49 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 60.543 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion: 45 Resp: 1174124

Ion Ratio Lower Upper

45 100

43 68.2 58.8 88.2

87 18.5 15.7 23.5

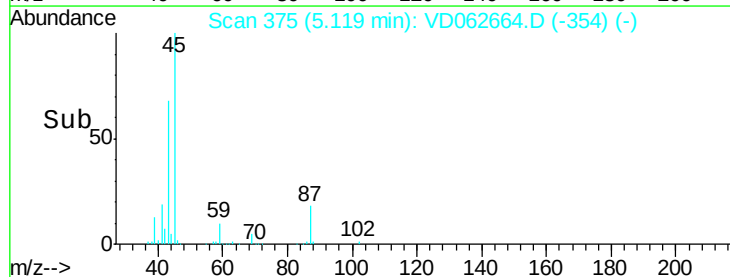
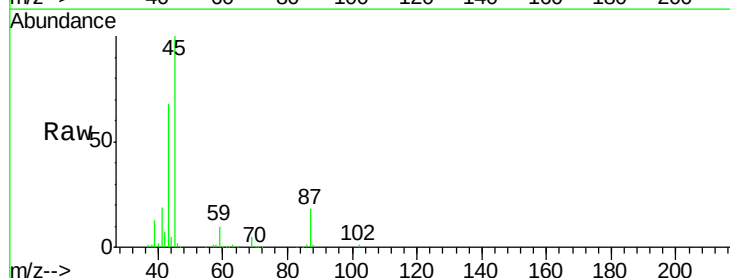
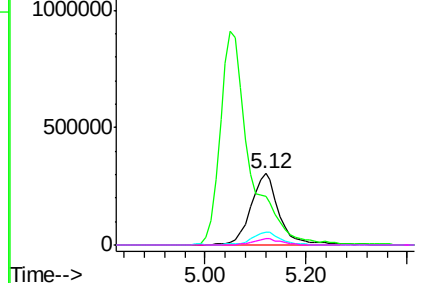
59 9.6 6.6 9.8

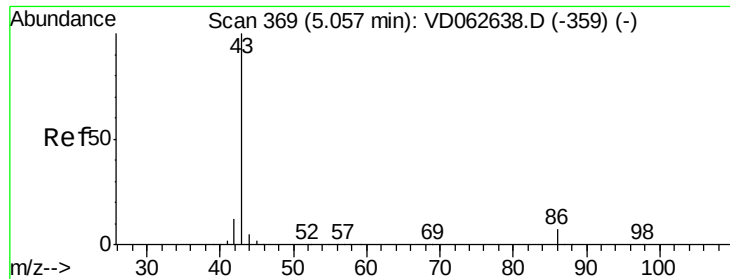
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 305.640 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3677232

Ion Ratio Lower Upper

43 100

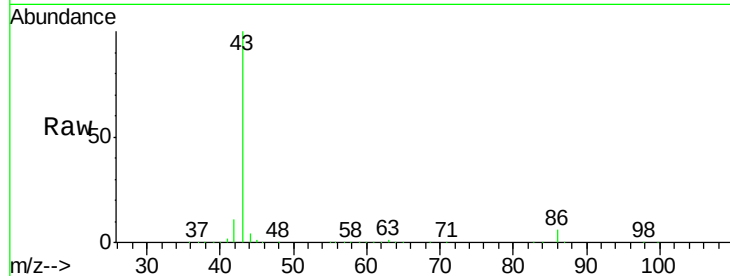
86 5.9 5.3 7.9

Manual Integrations

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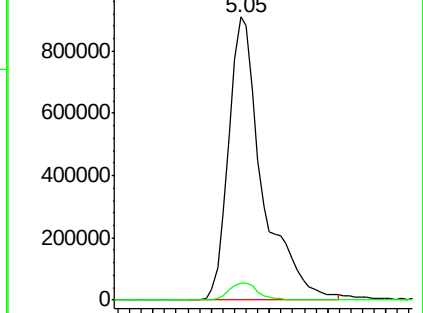
MMDadoda

6/14/2019 12:38:49 AM

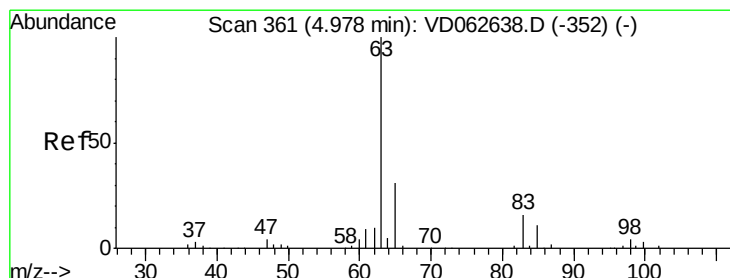
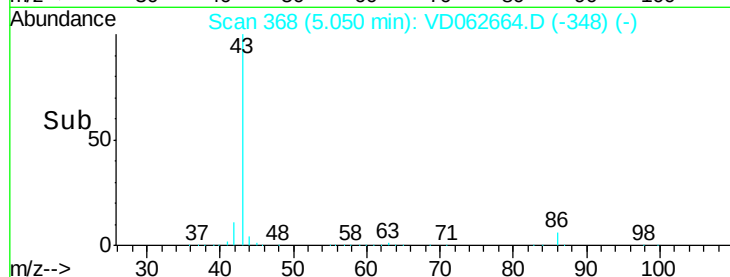


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 58.321 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

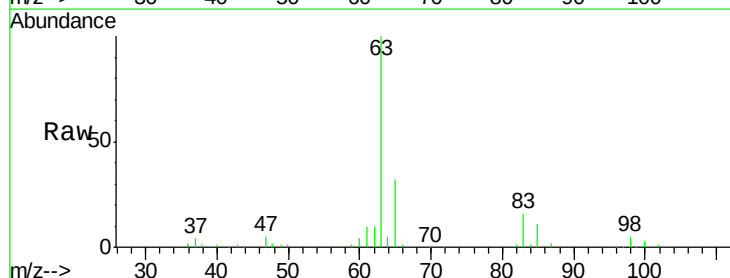
Tgt Ion: 63 Resp: 727612

Ion Ratio Lower Upper

63 100

98 5.3 1.8 5.4

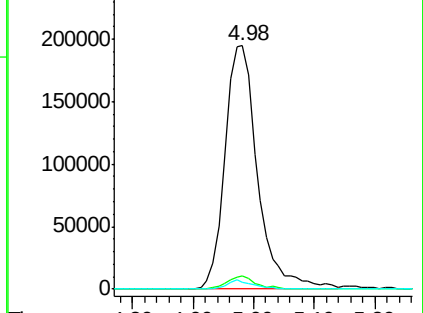
100 3.0 1.5 4.4



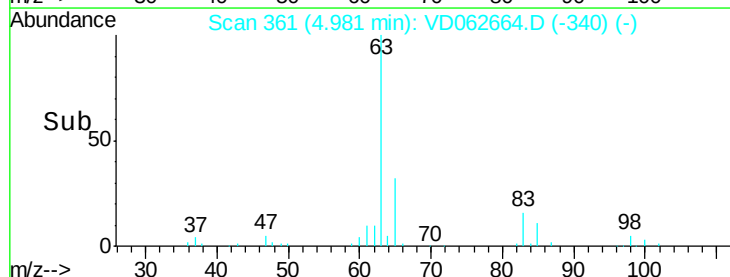
Abundance Ion 62.95 (62.65 to 63.65): VDC

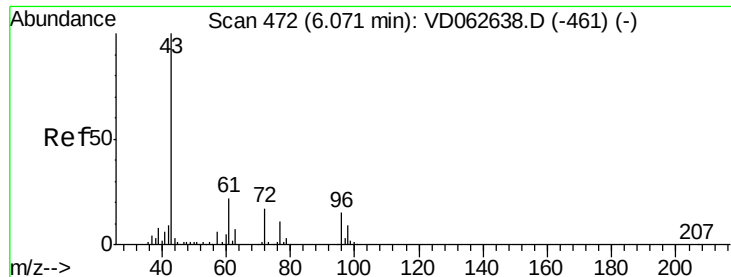
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 300.288 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 531995

Ion Ratio Lower Upper

43 100

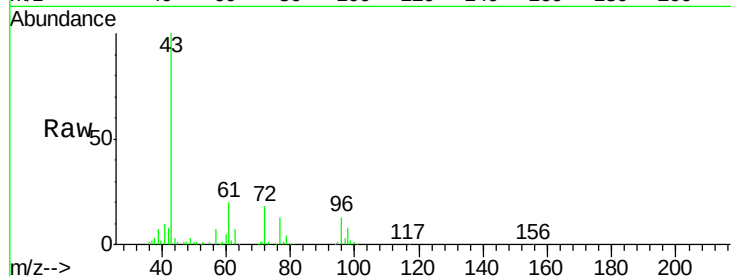
72 18.5 13.5 20.3

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

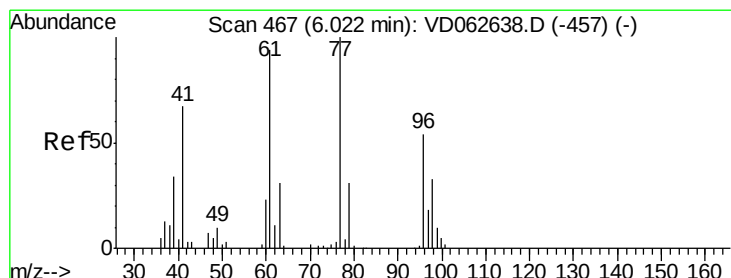
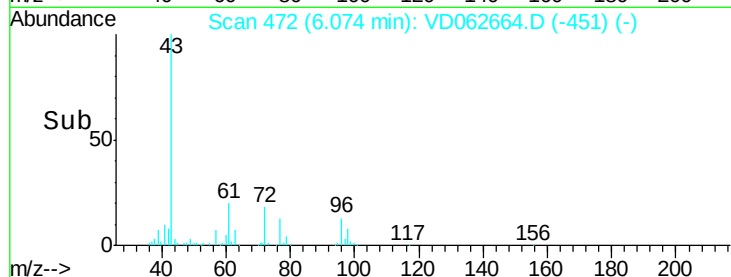
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 54.532 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062664.D

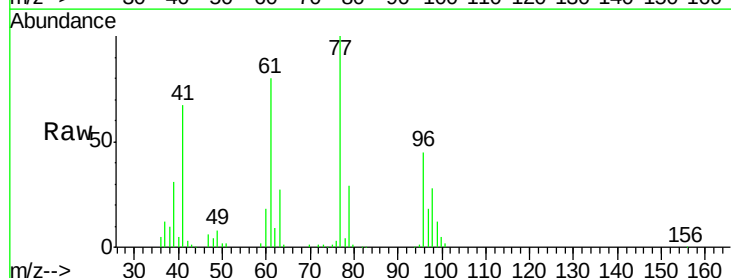
Acq: 10 Jun 2019 20:05

Tgt Ion: 77 Resp: 784101

Ion Ratio Lower Upper

77 100

97 18.1 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

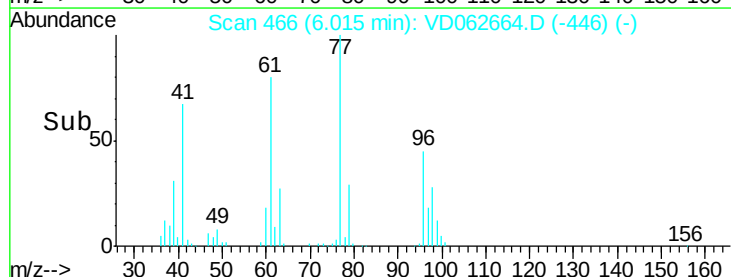
100000

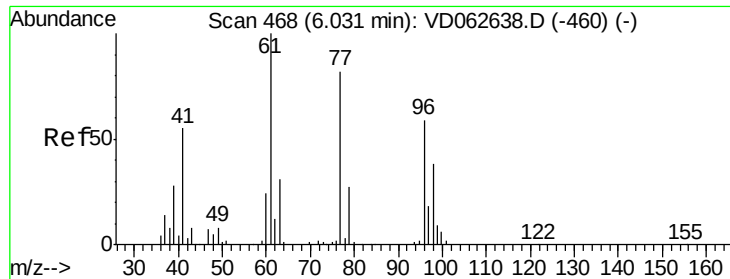
50000

0

5.90 6.00 6.10 6.20

Time-->





#27

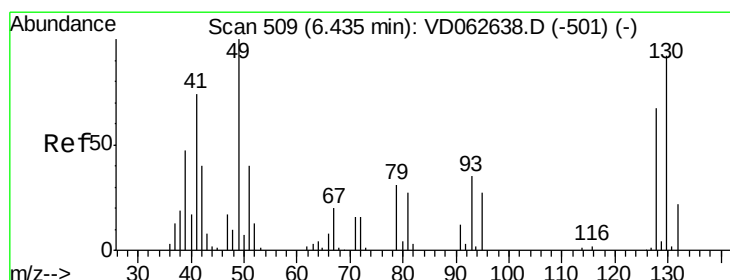
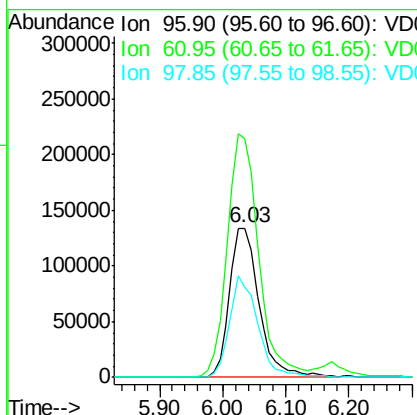
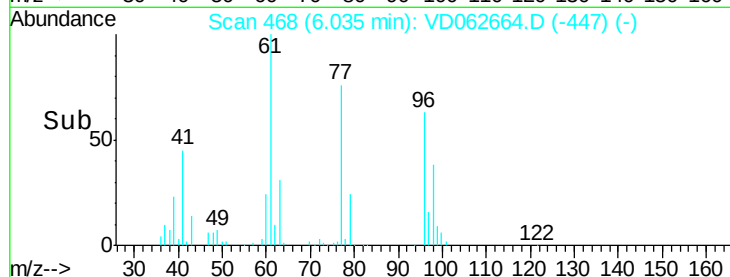
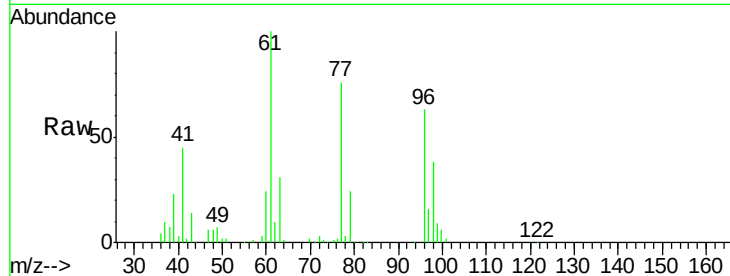
cis-1,2-Dichloroethene
Concen: 60.444 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.2	0.0	340.0	
98	60.2	0.0	127.6	

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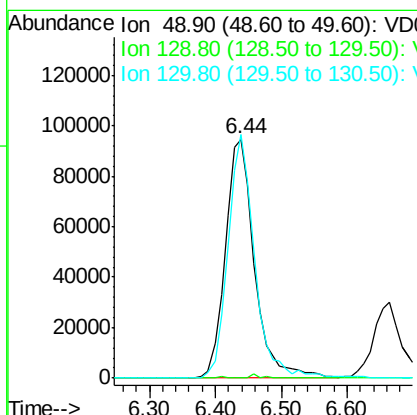
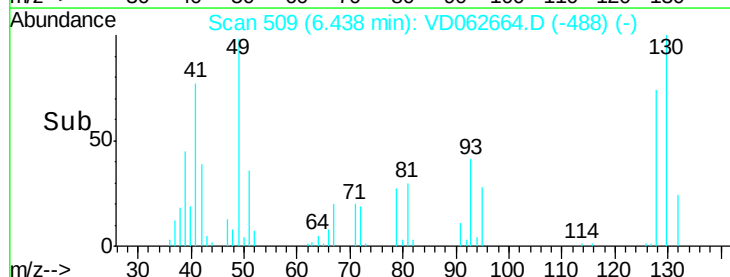
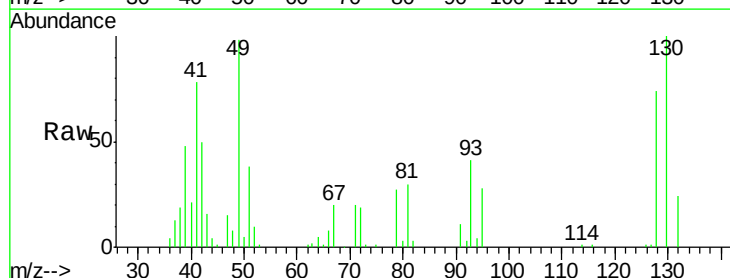
MMDadoda
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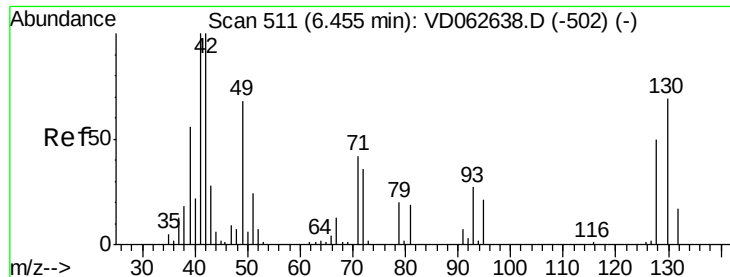


#28

Bromochloromethane
Concen: 61.093 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	8.2	
130	102.0	73.4	110.0	





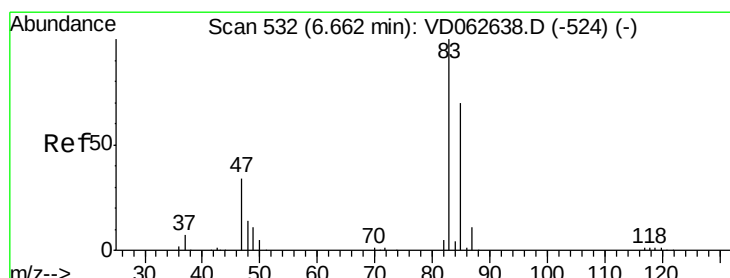
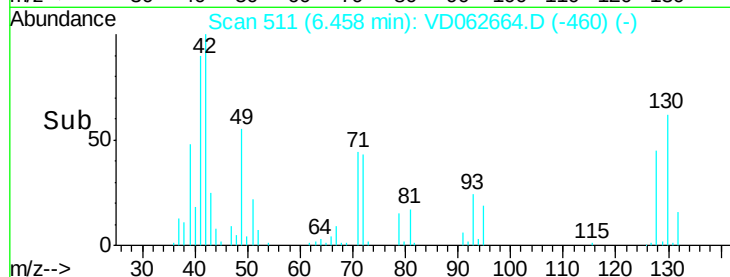
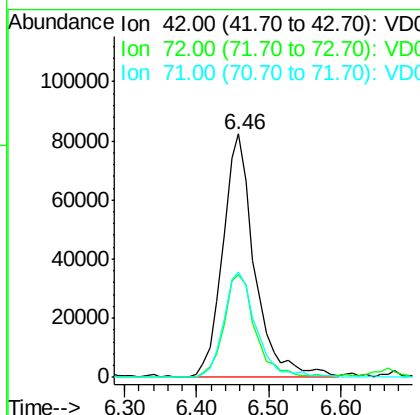
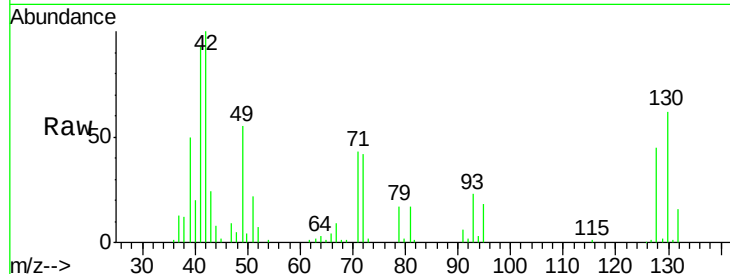
#29
Tetrahydrofuran
Concen: 316.383 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.8	50.6
71	43.6	34.2	51.4

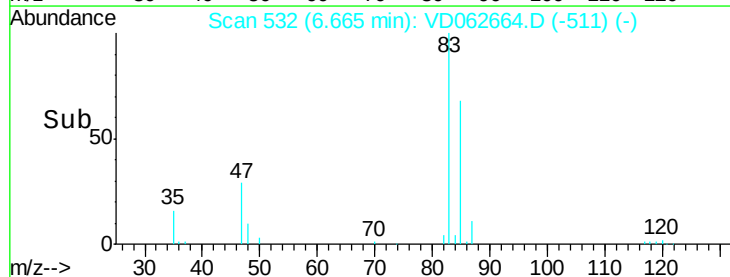
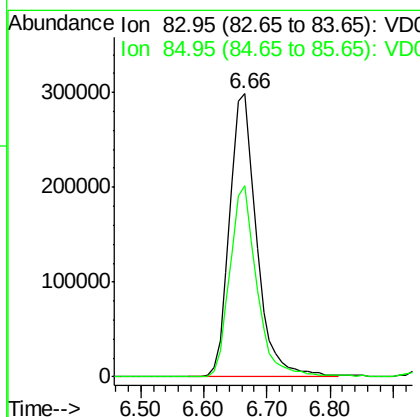
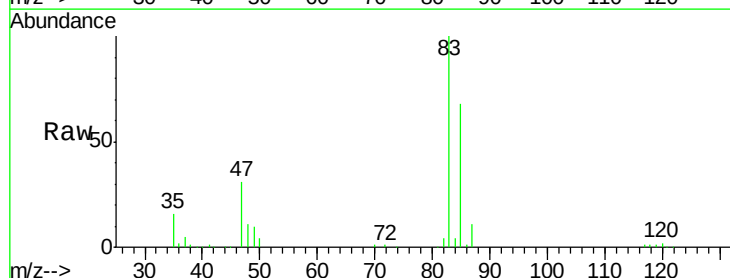
Manual Integrations
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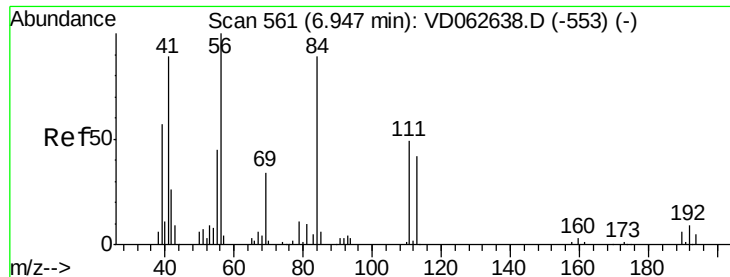
MMDadoda
6/14/2019 12:38:49 AM



#30
Chloroform
Concen: 55.227 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	55.8	83.6





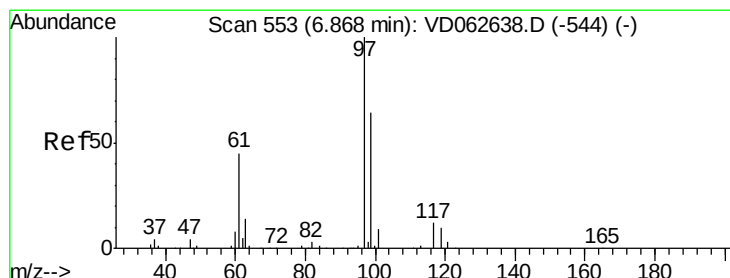
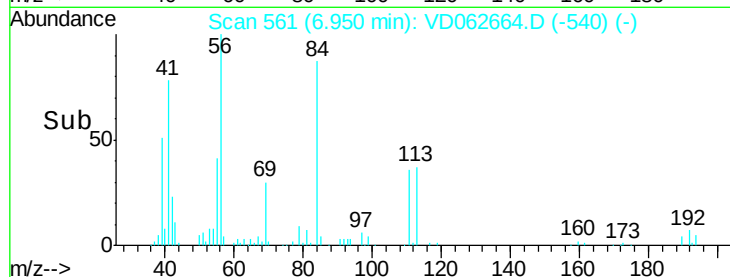
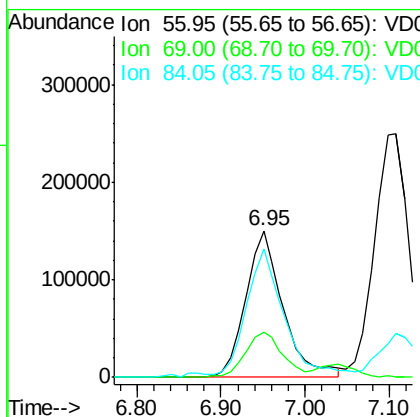
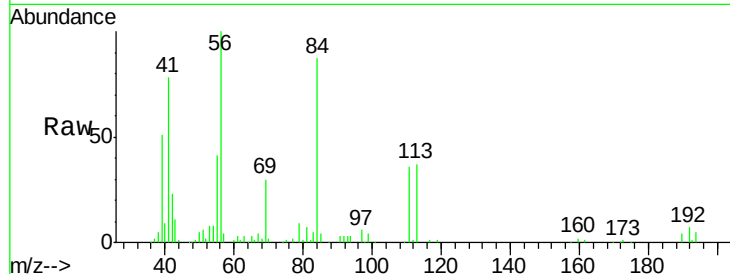
#31
Cyclohexane
Concen: 59.464 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.8	40.2
84	87.0	73.9	110.9

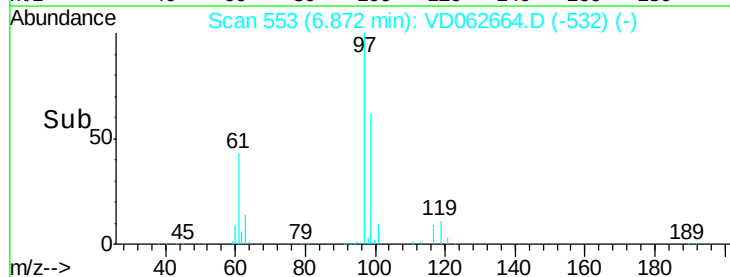
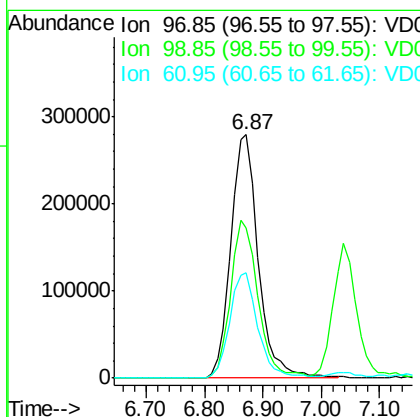
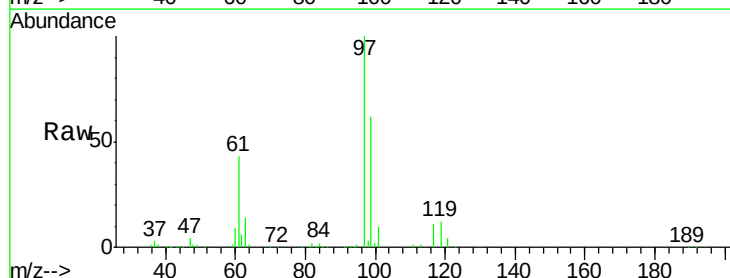
Manual Integrations
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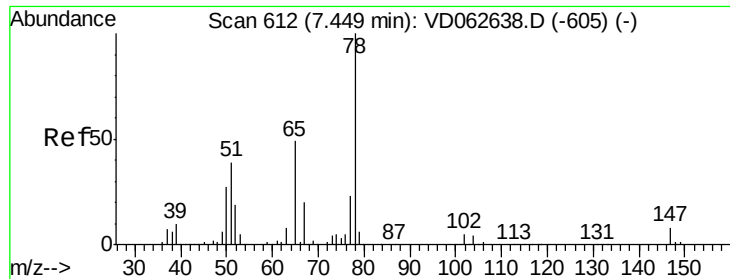
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#32
1,1,1-Trichloroethane
Concen: 57.533 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.4	77.0
61	43.1	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 54.649 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tot Ion: 65 Resp: 541952

Ion Ratio Lower Upper

65 100

67 43.7 0.0 81.8

Instrument :

MSVOA_D

ClientSampleId :

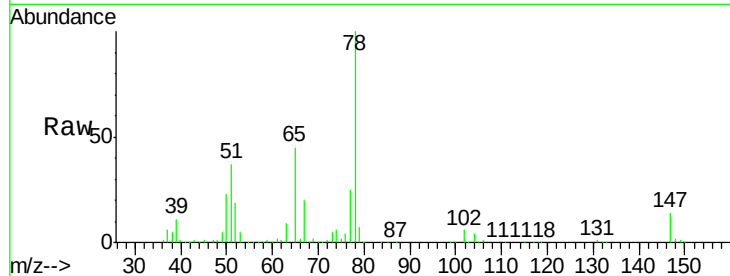
VSTDCCC050EC

Manual Integrations

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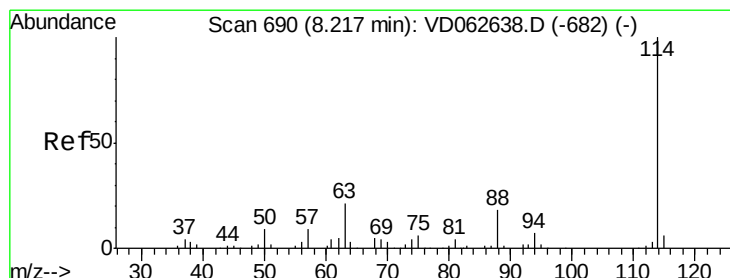
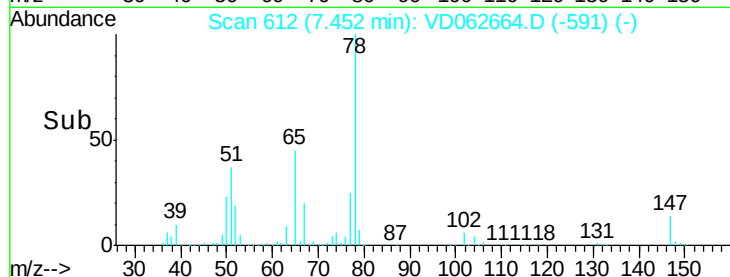
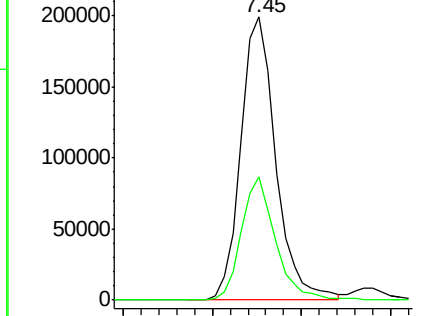
MMDadoda

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

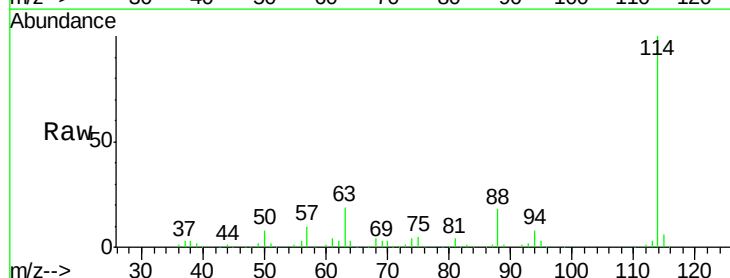
Tgt Ion: 114 Resp: 906639

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

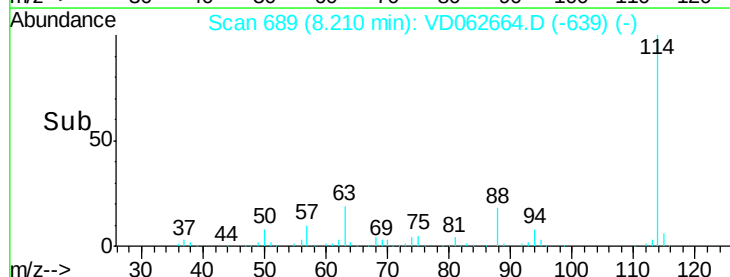
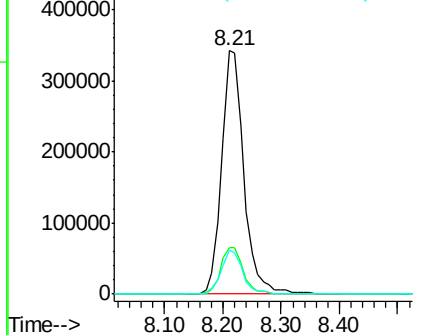
88 17.8 0.0 36.8

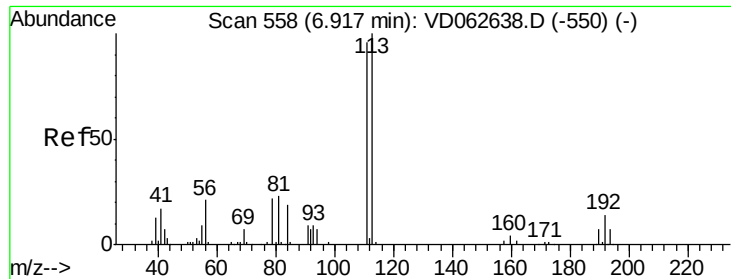


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 58.340 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

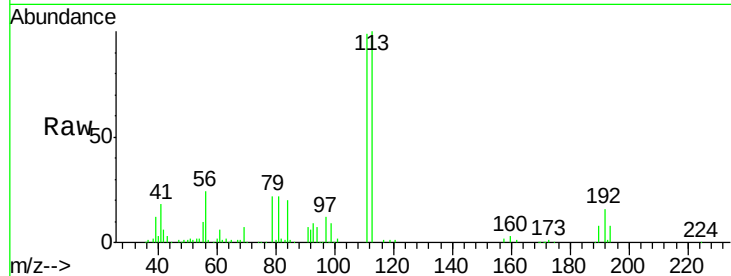
ClientSampleId :

VSTDCCC050EC

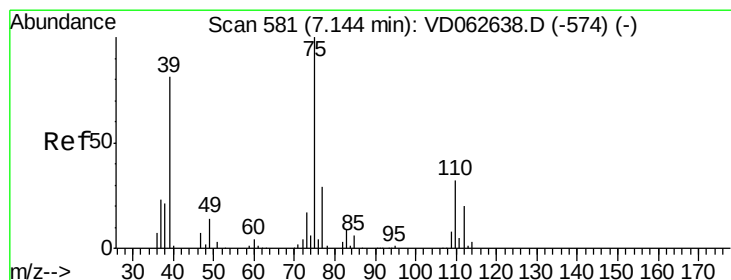
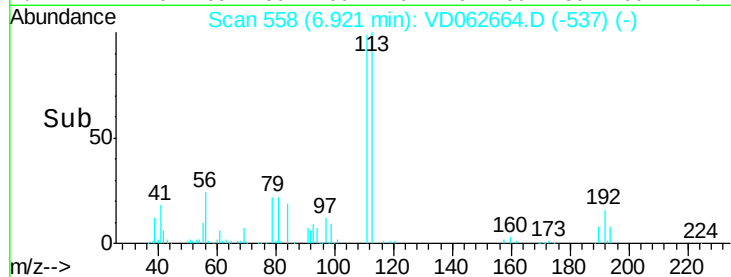
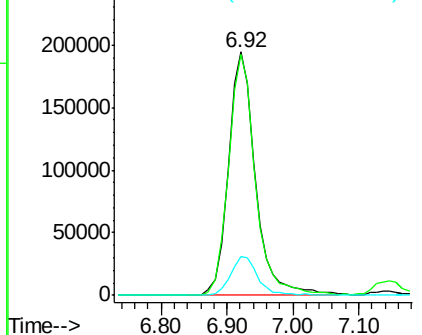
Tot Ion:	113	Resp:	557828
Ion Ratio	Lower	Upper	
113	100		
111	98.8	76.4	114.6
192	15.9	11.4	17.0

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 57.298 ug/l

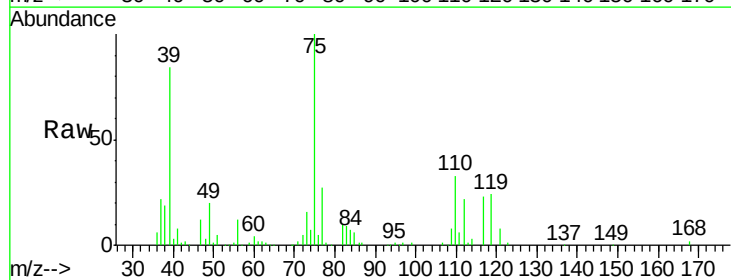
RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

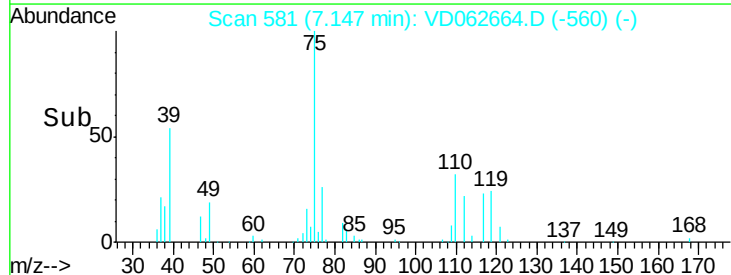
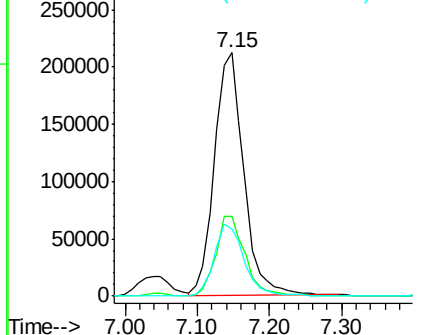
Lab File: VD062664.D

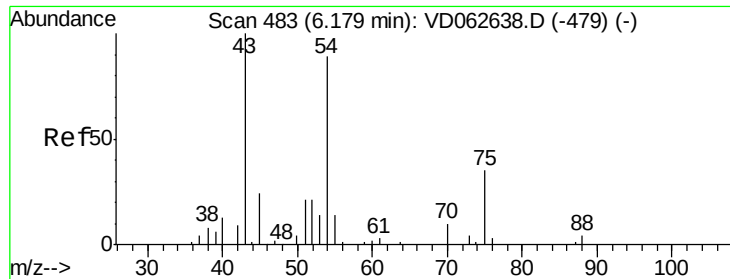
Acq: 10 Jun 2019 20:05

Tgt Ion:	75	Resp:	594547
Ion Ratio	Lower	Upper	
75	100		
110	33.0	15.9	47.7
77	27.4	23.3	34.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





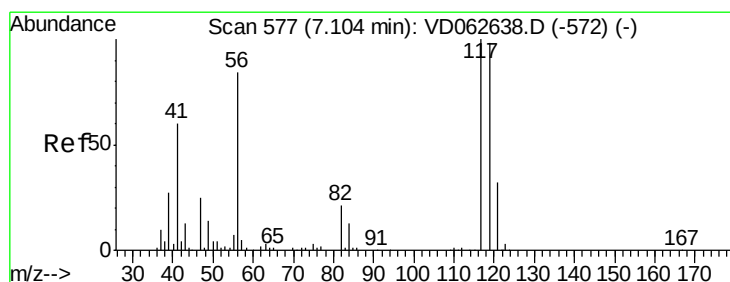
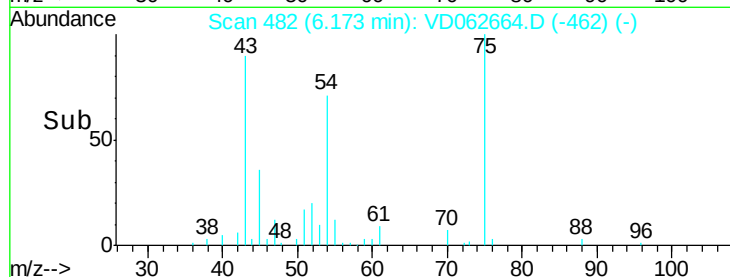
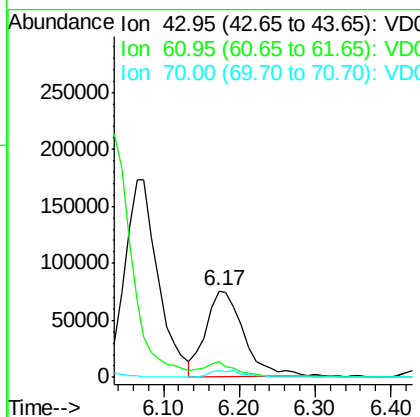
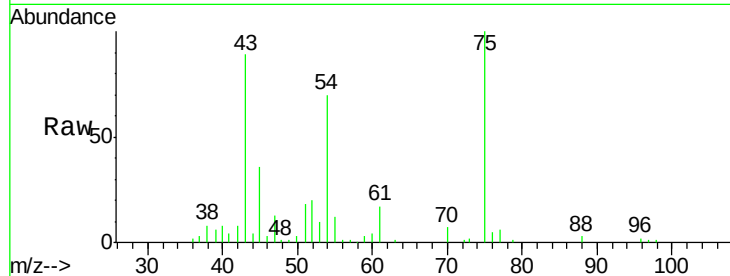
#37
Ethyl Acetate
Concen: 59.005 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	8.7	13.1#
70	7.9	6.5	9.7

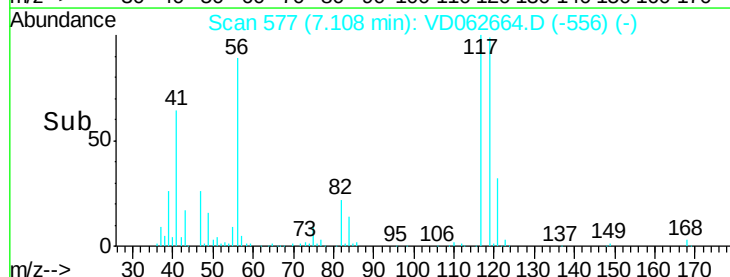
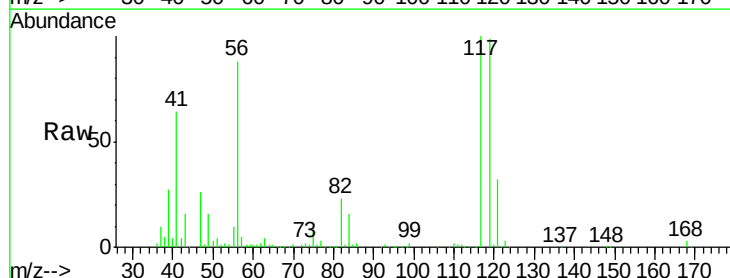
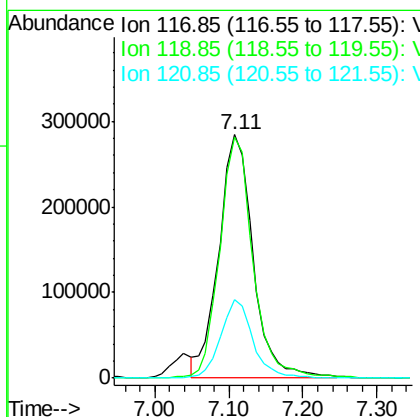
Manual Integrations
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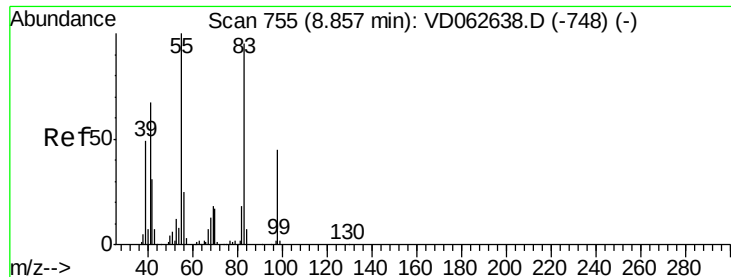
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#38
Carbon Tetrachloride
Concen: 55.621 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	73.5	110.3
121	32.4	24.2	36.4





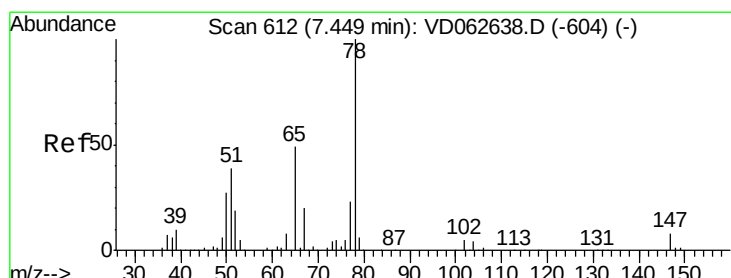
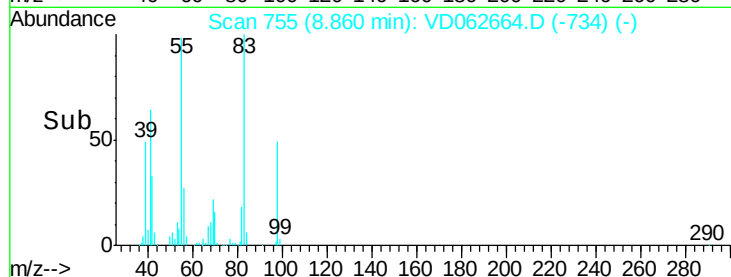
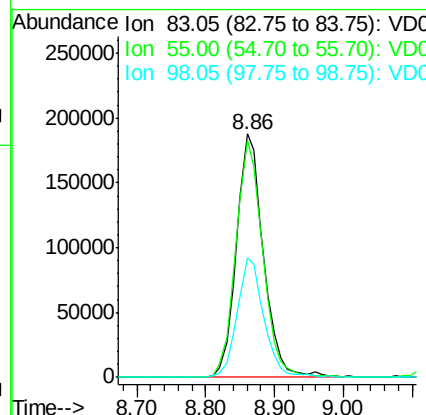
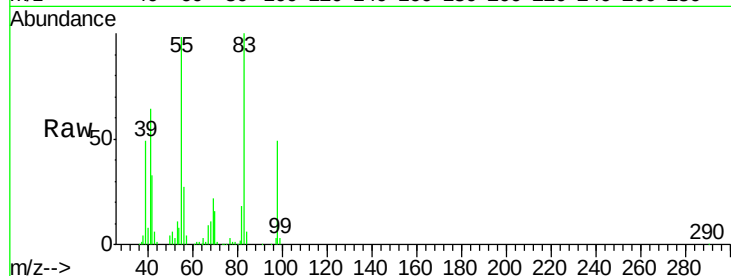
#39
Methylvlcyclohexane
Concen: 60.643 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.6	84.6	127.0
98	48.9	38.2	57.4

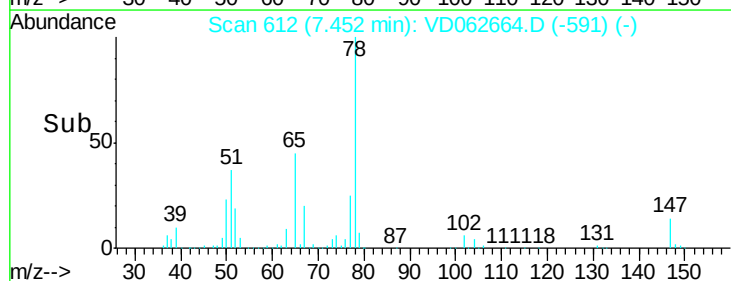
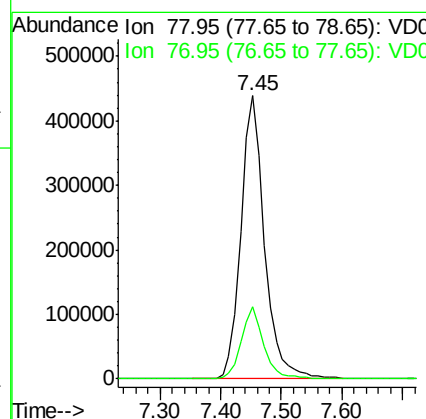
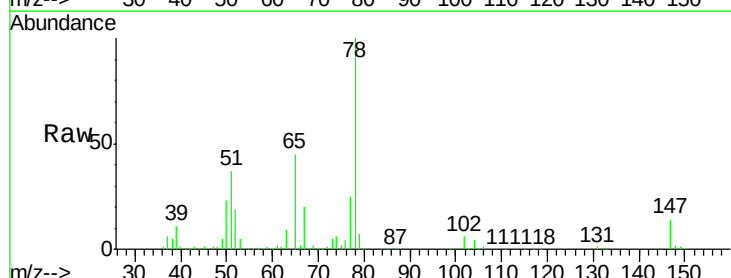
Manual Integrations
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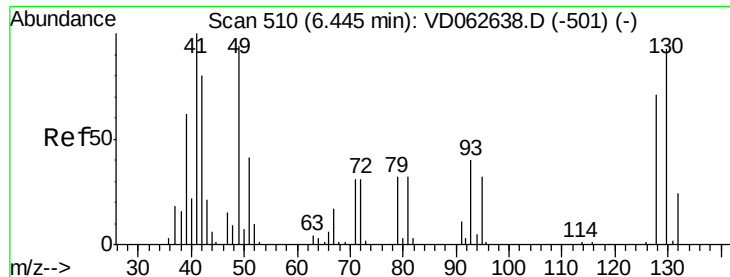
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#40
Benzene
Concen: 58.526 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.6	28.0





#41

Methacrylonitrile

Concen: 61.944 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 336470

Ion Ratio Lower Upper

41 100

39 52.8 49.2 73.8

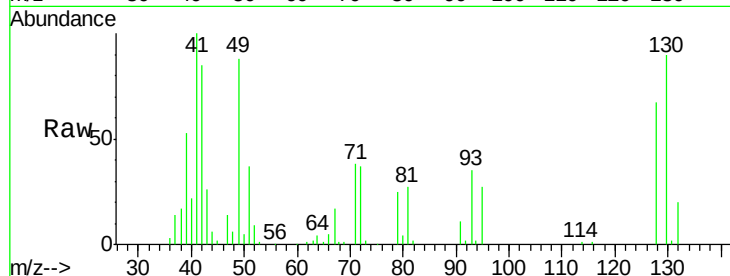
67 16.6 13.9 20.9

52 9.4 7.6 11.4

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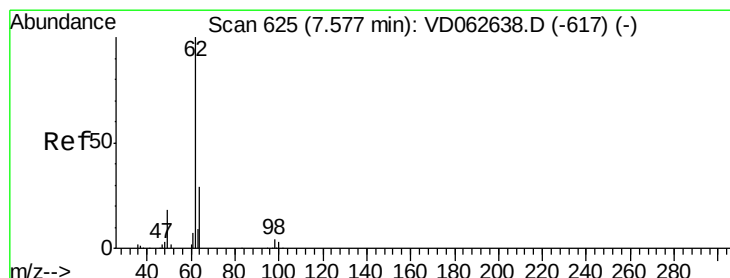
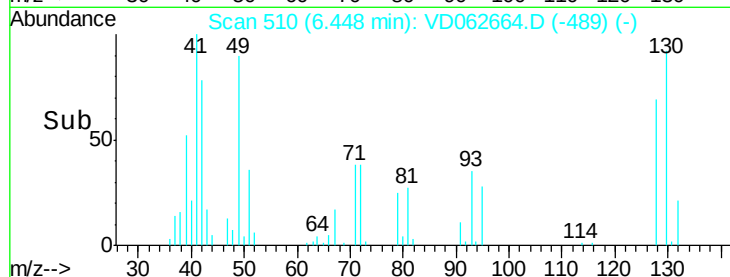
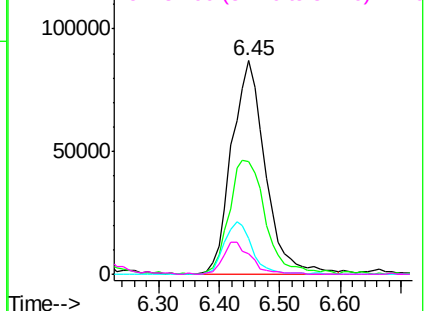


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.125 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062664.D

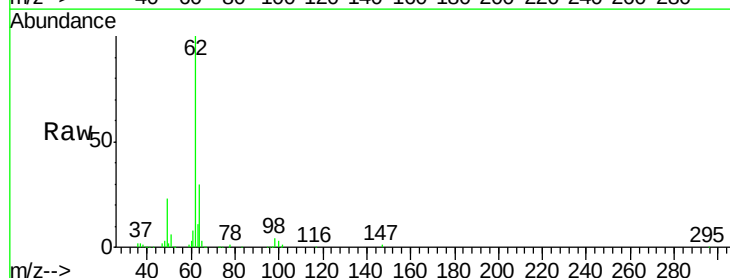
Acq: 10 Jun 2019 20:05

Tgt Ion: 62 Resp: 689964

Ion Ratio Lower Upper

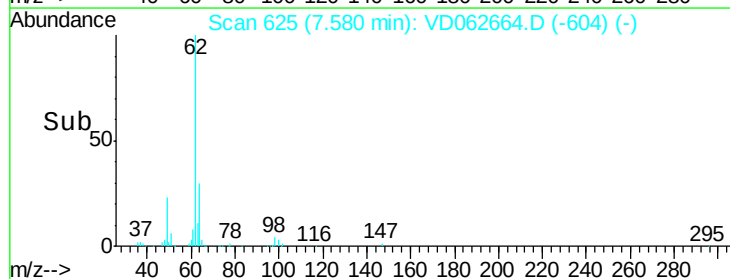
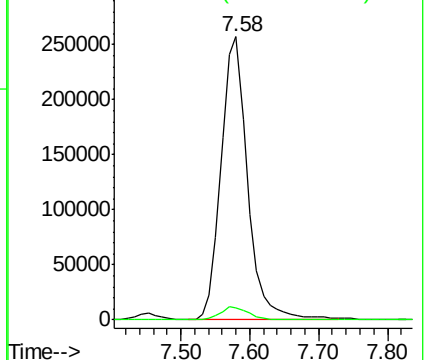
62 100

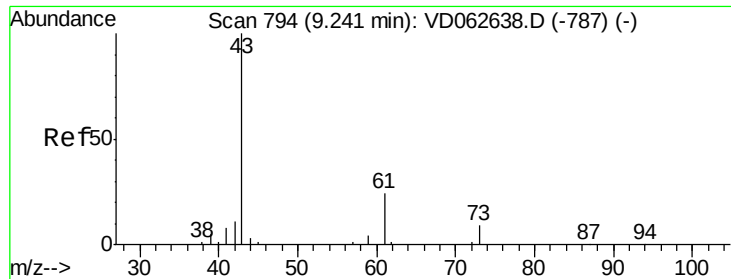
98 4.5 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 63.265 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 346378

Ion Ratio Lower Upper

43 100

61 28.4 19.0 28.6

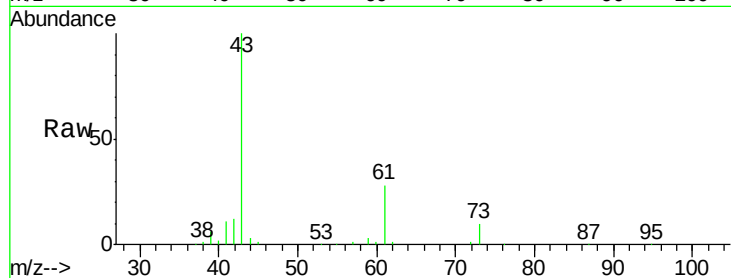
87 0.3 0.3 0.5

Manual Integrations

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6/14/2019 12:38:49 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

9.24

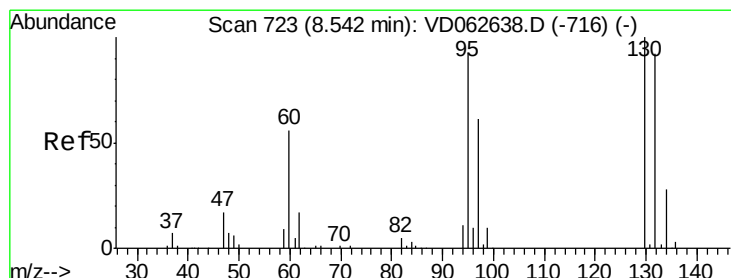
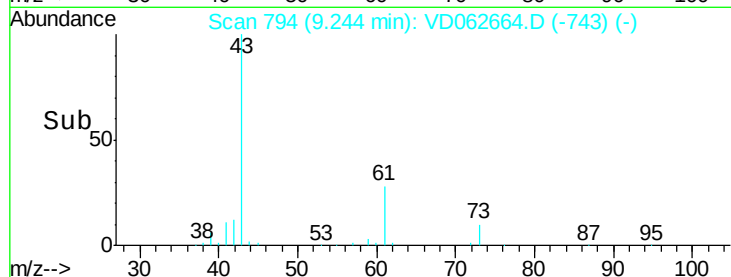
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 58.367 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062664.D

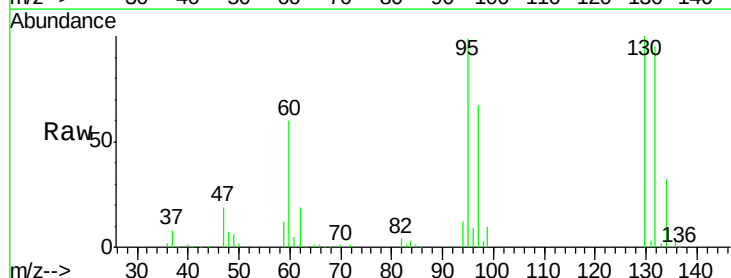
Acq: 10 Jun 2019 20:05

Tgt Ion:130 Resp: 480170

Ion Ratio Lower Upper

130 100

95 99.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

8.54

200000

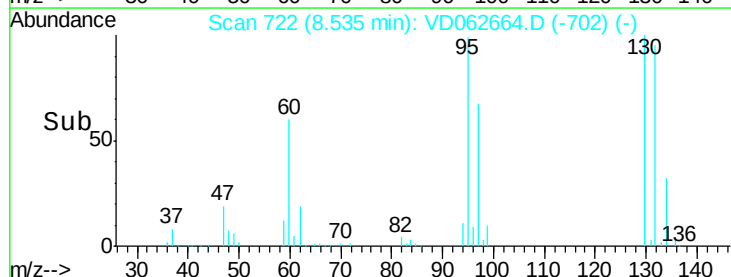
150000

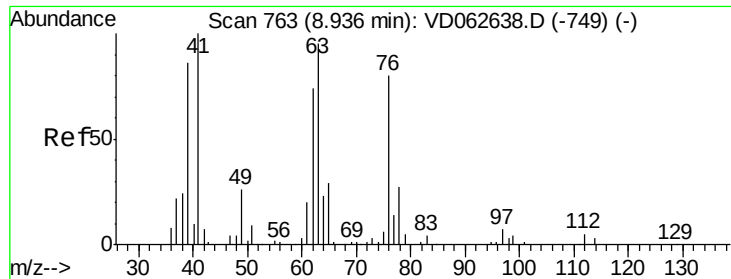
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 60.883 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 296344

Ion Ratio Lower Upper

63 100

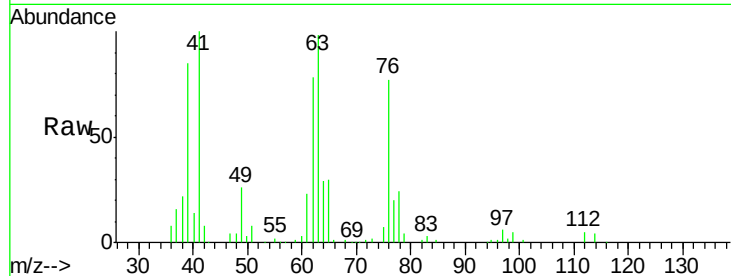
65 30.2 24.6 37.0

Manual Integrations

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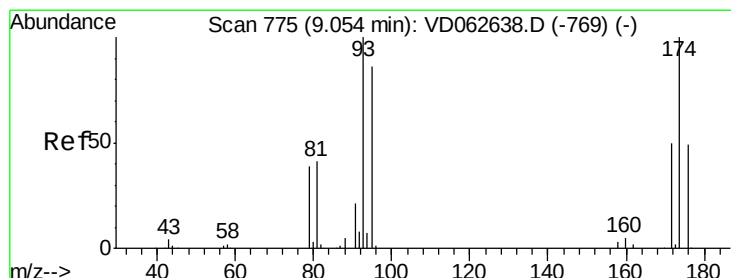
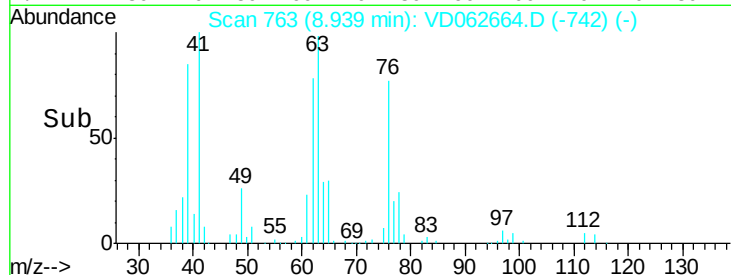
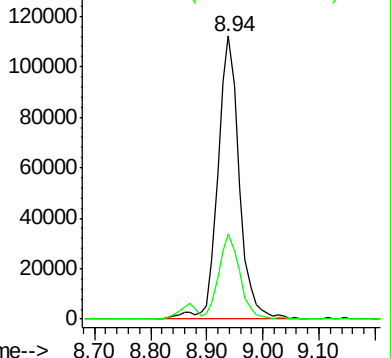
MMDadoda

6/14/2019 12:38:49 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 61.509 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

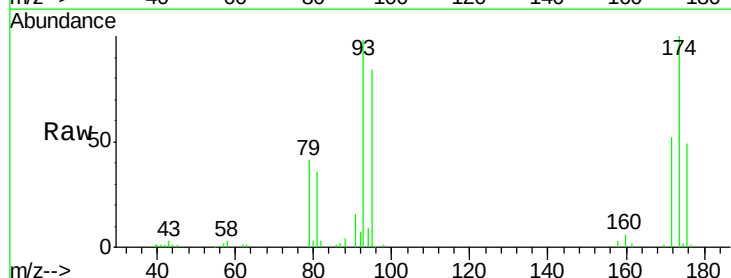
Tgt Ion: 93 Resp: 265752

Ion Ratio Lower Upper

93 100

95 85.4 68.7 103.1

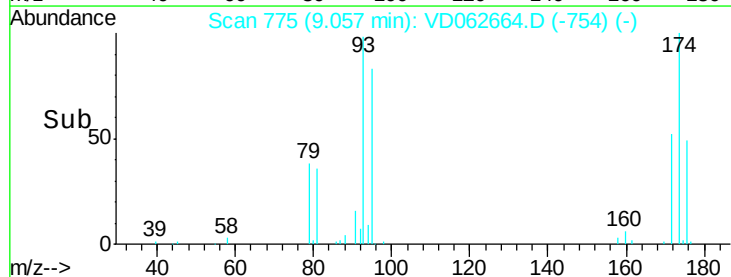
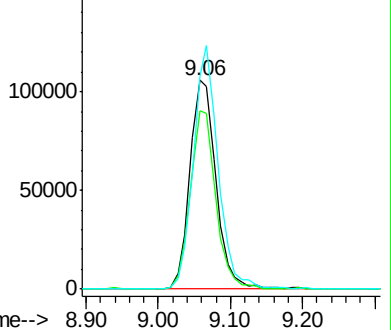
174 102.1 79.8 119.8

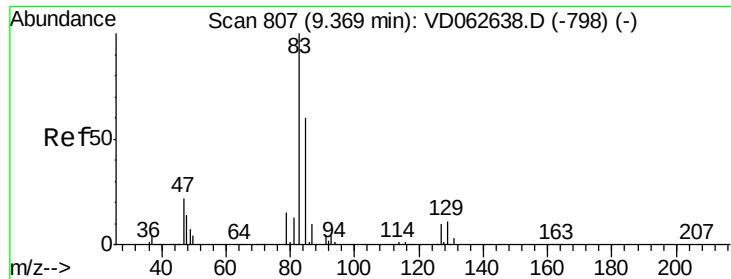


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





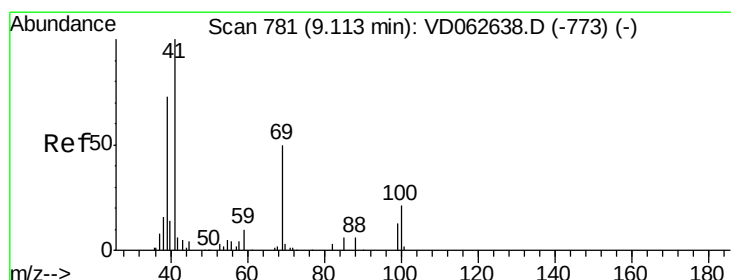
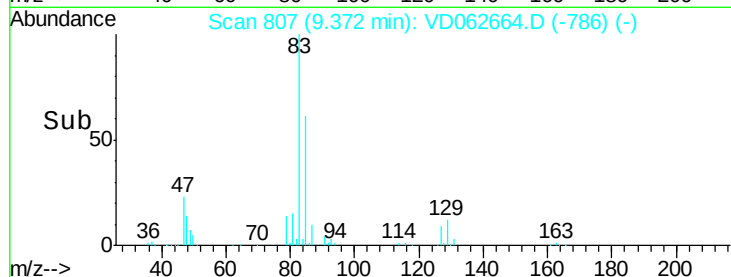
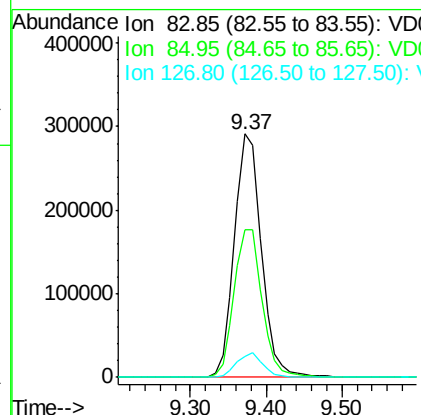
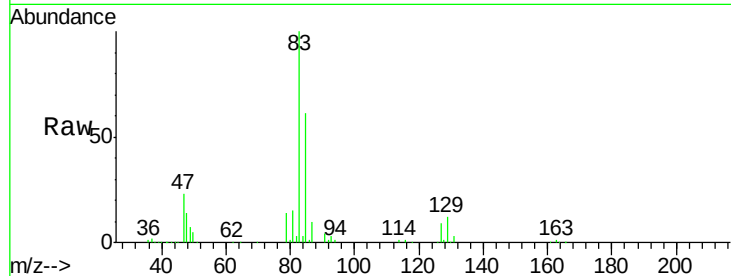
#47
Bromodichloromethane
Concen: 60.914 ug/l
RT: 9.37 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	715931		
85	60.9		47.9	71.9
127	8.8		8.2	12.4

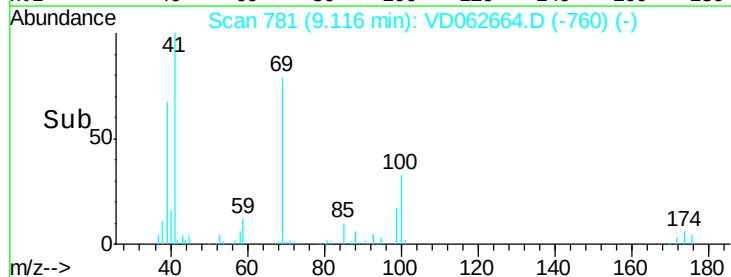
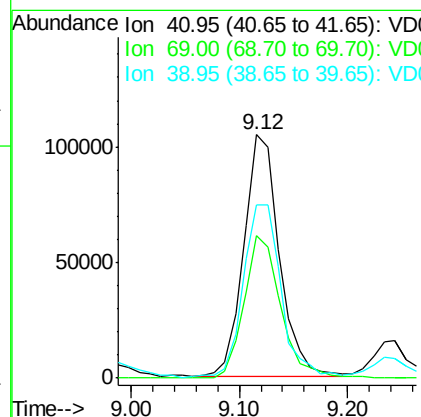
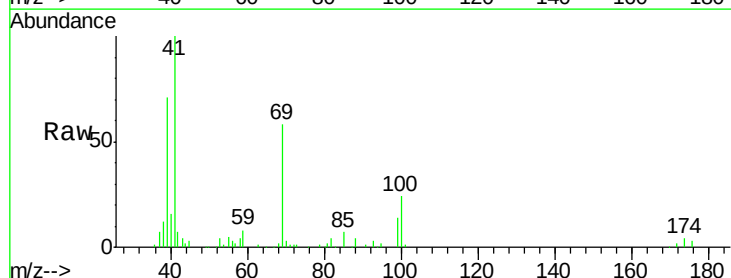
Manual Integrations
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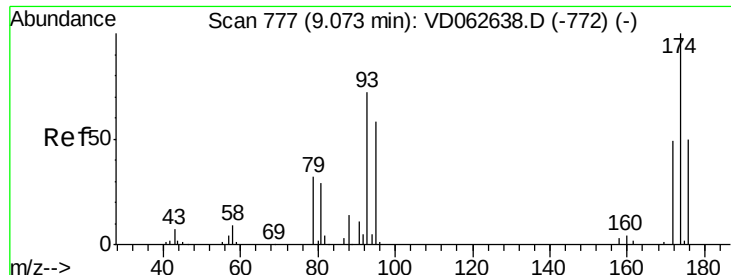
MMDadoda
6/14/2019 12:38:49 AM



#48
Methyl methacrylate
Concen: 60.187 ug/l
RT: 9.12 min Scan# 781
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	238065		
69	58.4		39.8	59.6
39	70.9		59.1	88.7





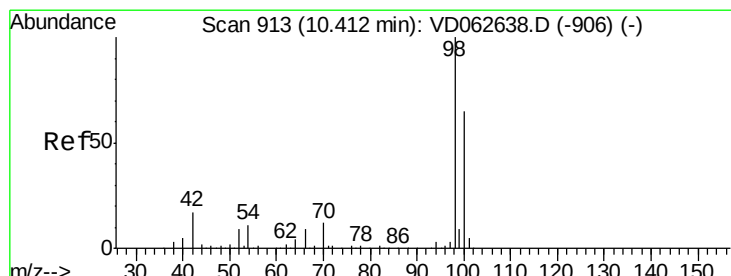
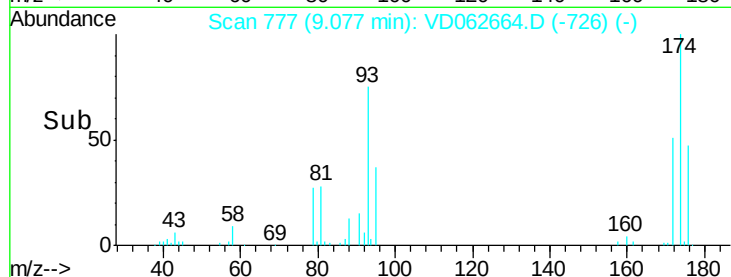
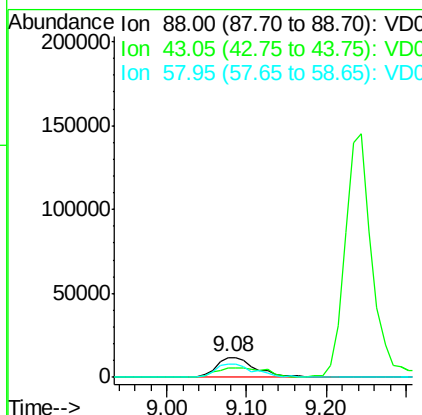
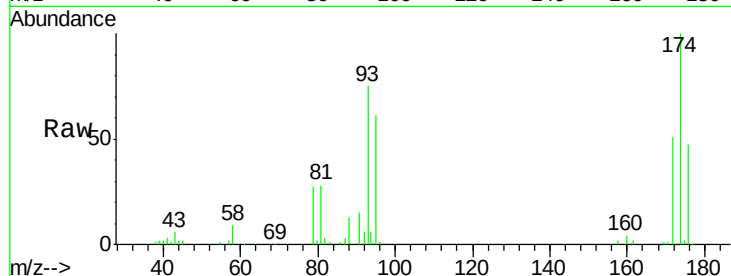
#49
1,4-Dioxane
Concen: 1147.830 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.8	40.7	61.1
58	64.9	54.2	81.4

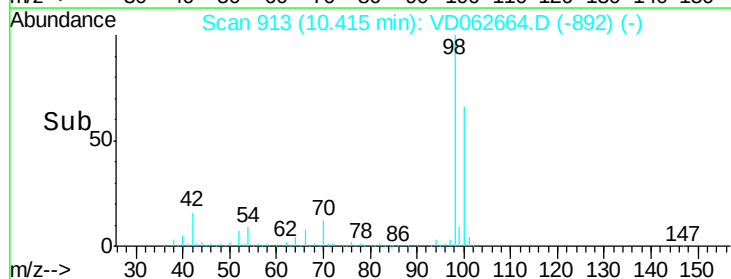
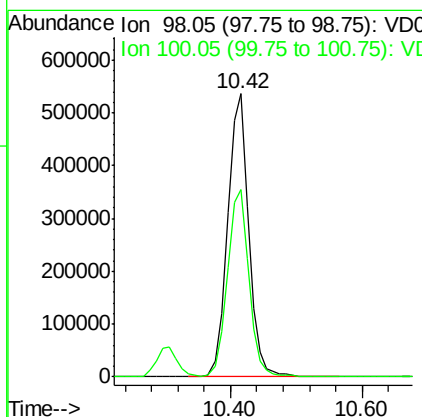
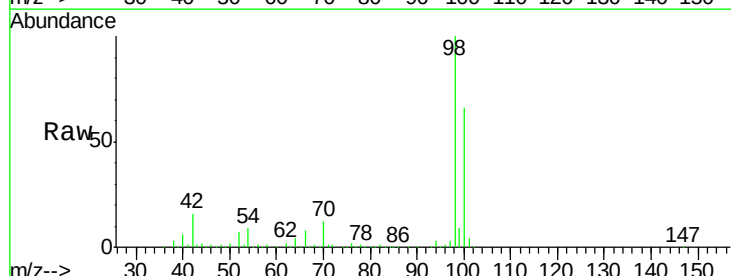
Manual Integrations
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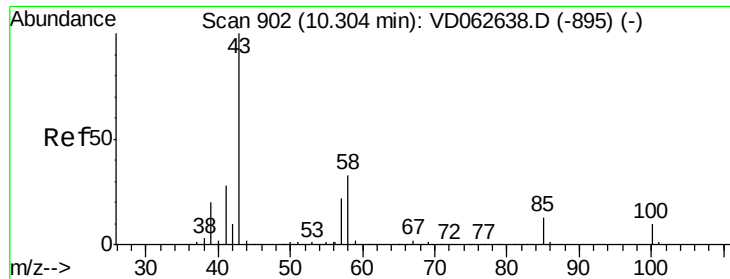
MMDadoda
6/14/2019 12:38:49 AM



#50
Toluene-d8
Concen: 59.761 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 310.672 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1190188

Ion Ratio Lower Upper

43 100

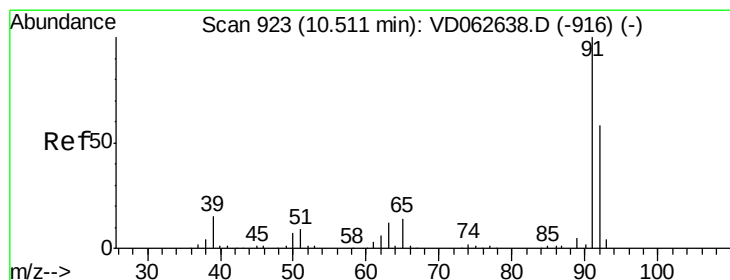
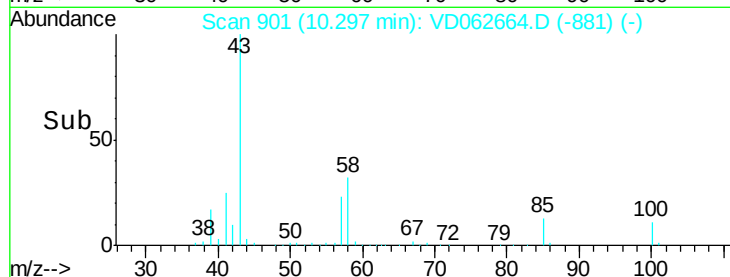
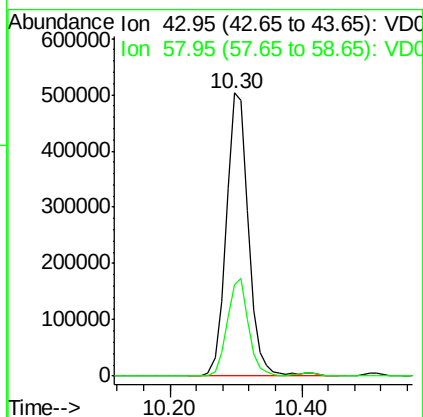
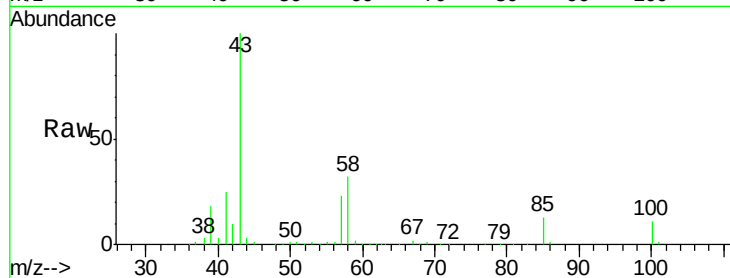
58 32.1 26.1 39.1

Manual Integrations

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MMDadoda

6/14/2019 12:38:49 AM



#52

Toluene

Concen: 60.625 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062664.D

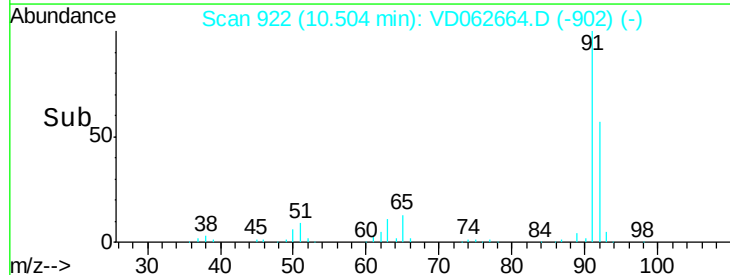
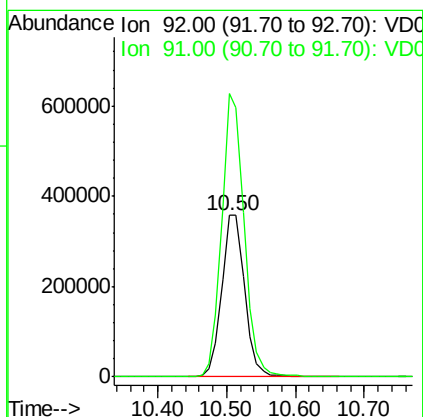
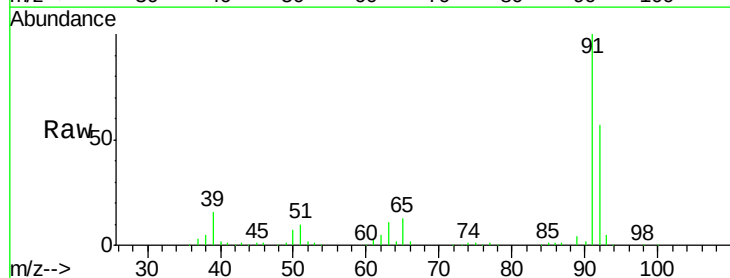
Acq: 10 Jun 2019 20:05

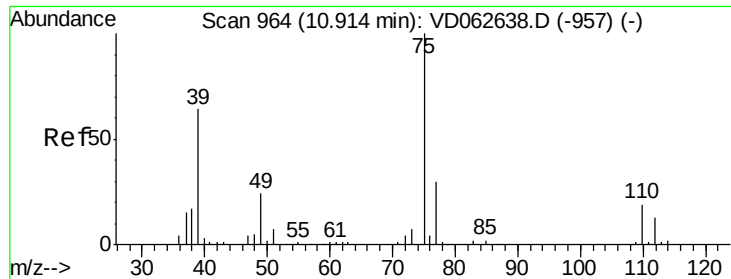
Tgt Ion: 92 Resp: 825794

Ion Ratio Lower Upper

92 100

91 175.3 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 63.149 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tot Ion: 75 Resp: 608522

Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1

Instrument :

MSVOA_D

ClientSampleId :

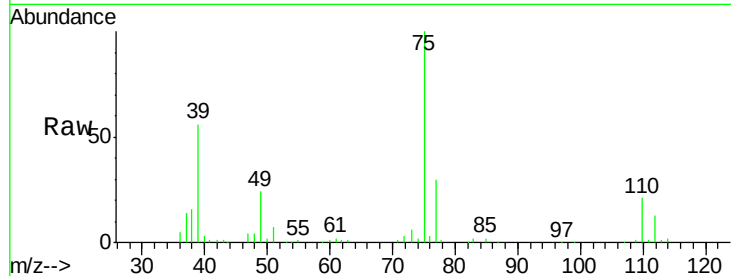
VSTDCCC050EC

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6/14/2019 12:38:49 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

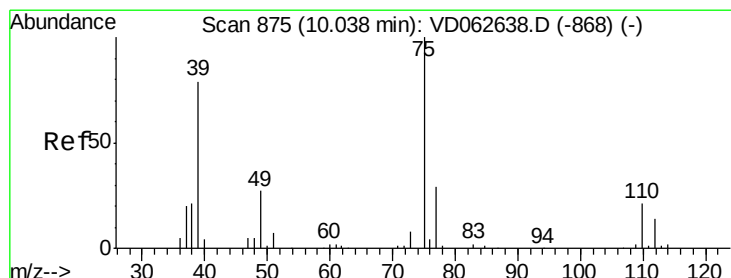
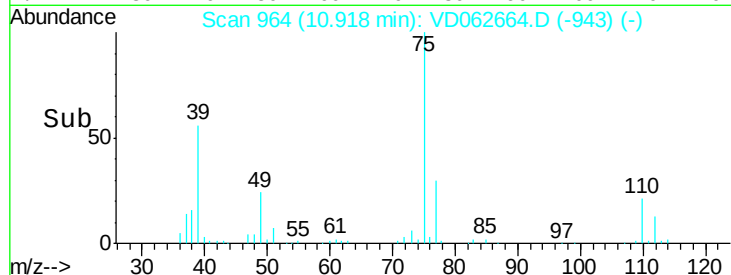
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 63.086 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

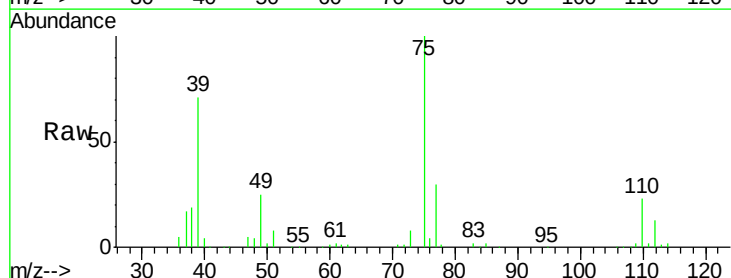
Tgt Ion: 75 Resp: 628298

Ion Ratio Lower Upper

75 100

77 30.2 23.1 34.7

39 71.5 63.4 95.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

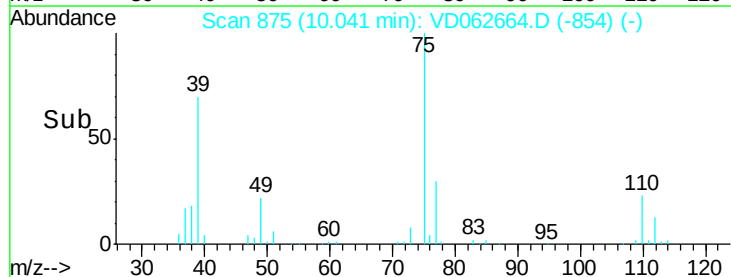
300000

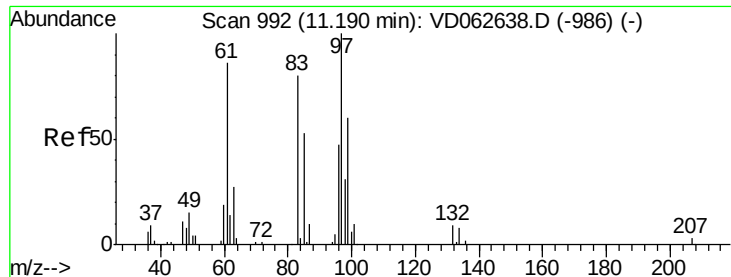
200000

100000

0

Time-->





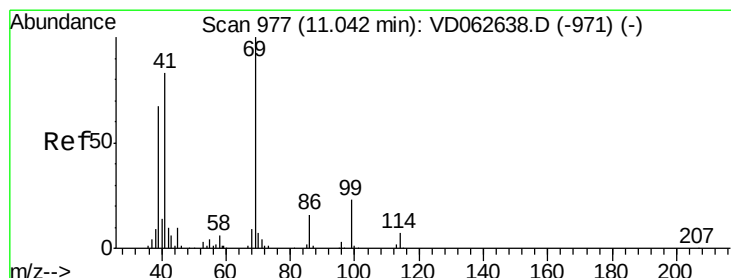
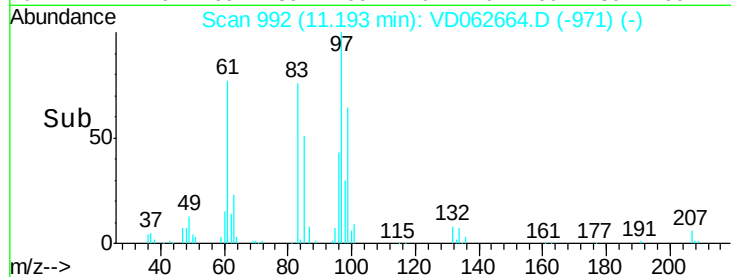
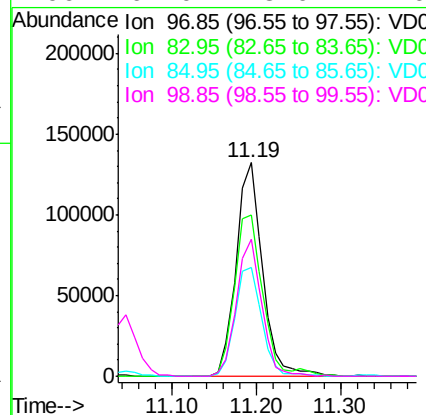
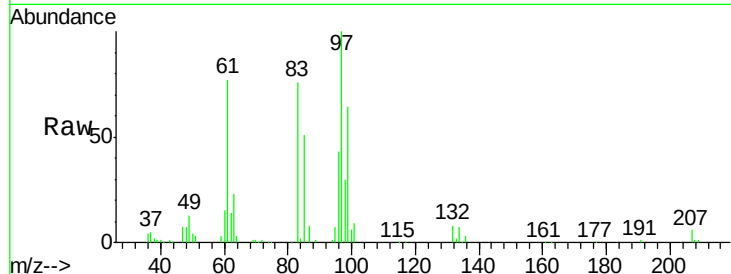
#55
 1,1,2-Trichloroethane
 Concen: 61.867 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	289002		
83	75.8	63.8	95.8	
85	50.8	42.3	63.5	
99	64.0	48.0	72.0	

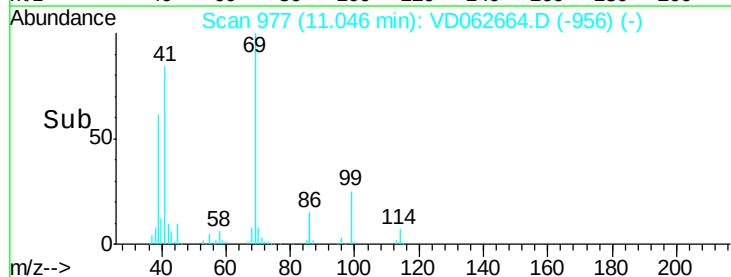
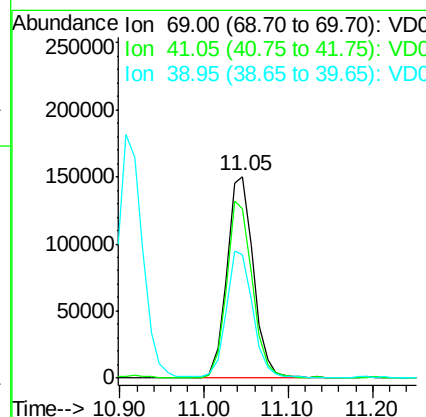
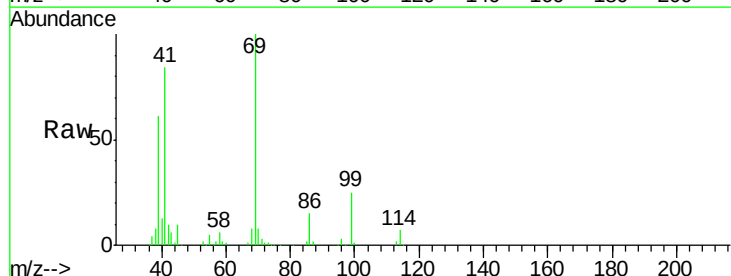
Manual Integrations
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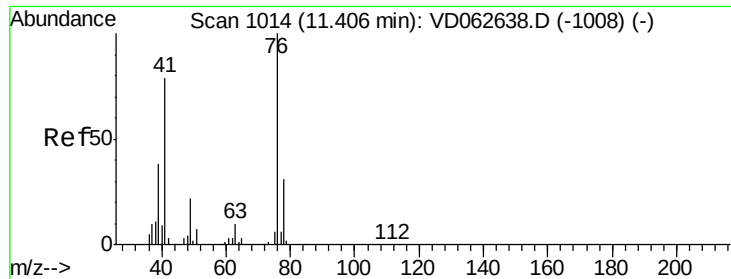
MMDadoda
 6/14/2019 12:38:49 AM



#56
 Ethyl methacrylate
 Concen: 57.666 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	328258		
41	83.8	66.2	99.4	
39	61.0	53.8	80.8	





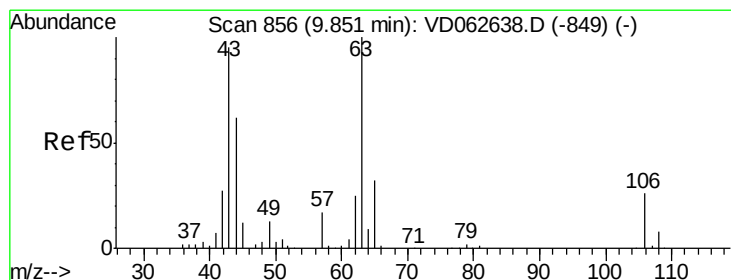
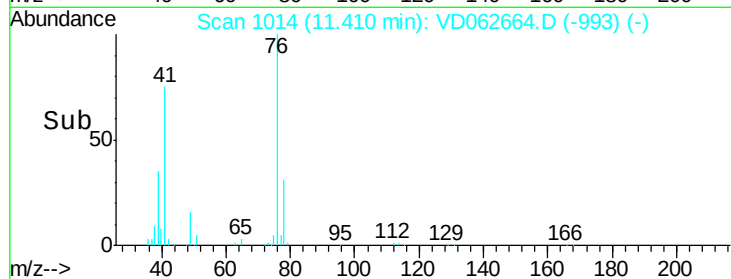
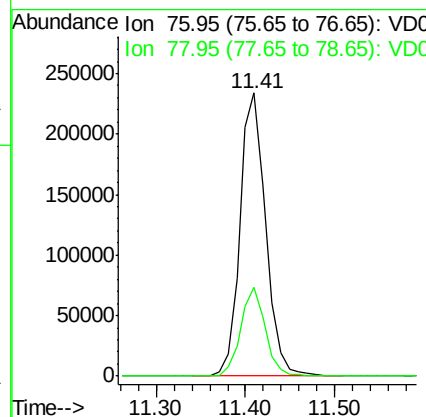
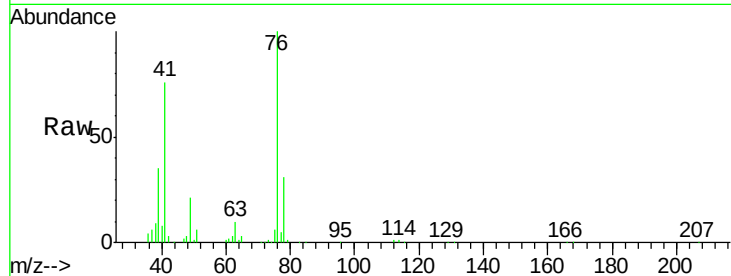
#57
 1,3-Dichloropropane
 Concen: 64.749 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 468791
 Ion Ratio Lower Upper
 76 100
 78 31.2 24.9 37.3

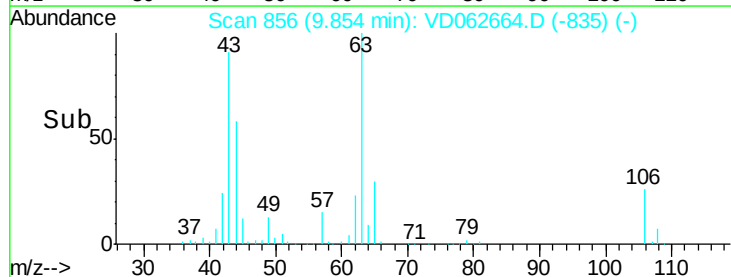
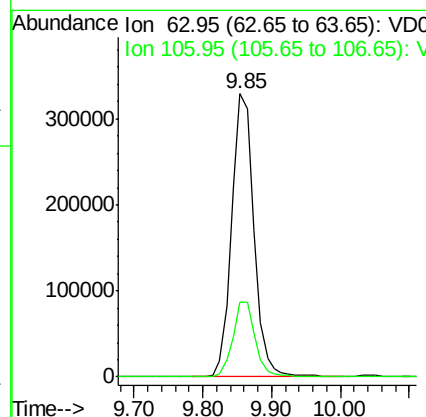
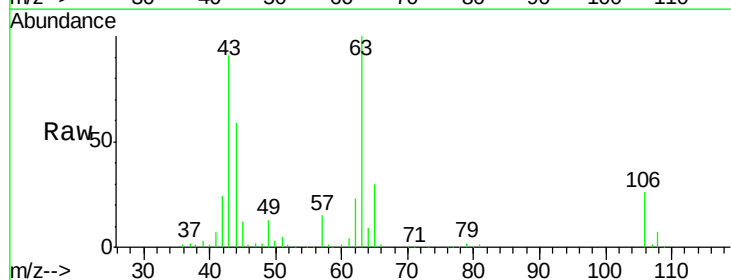
Manual Integrations
 APPROVED

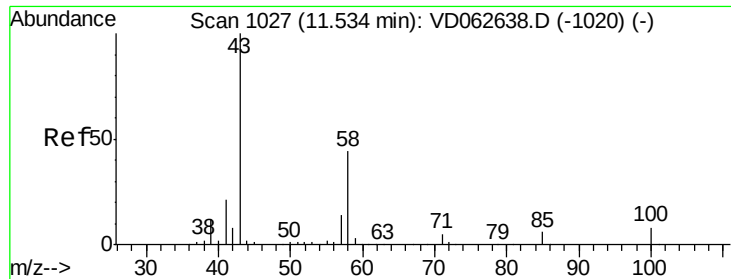
MMDadoda
 6/14/2019 12:38:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 294.876 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion: 63 Resp: 736215
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.5 30.7





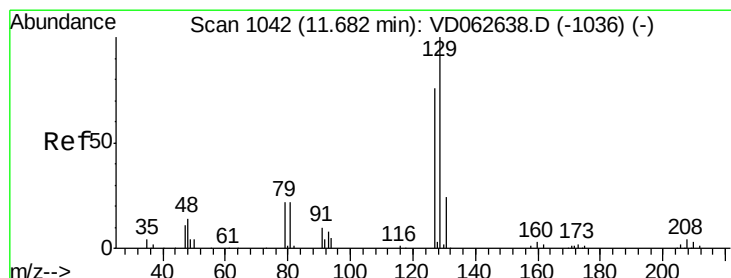
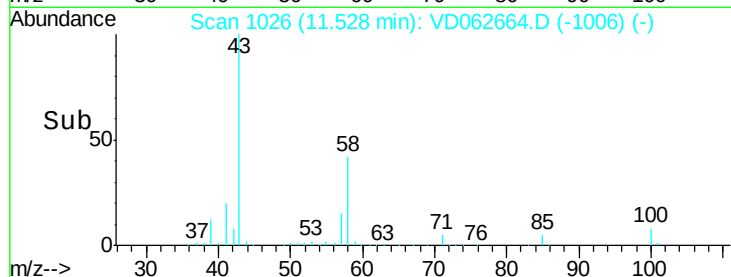
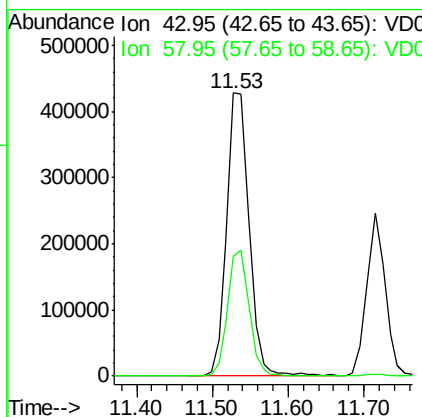
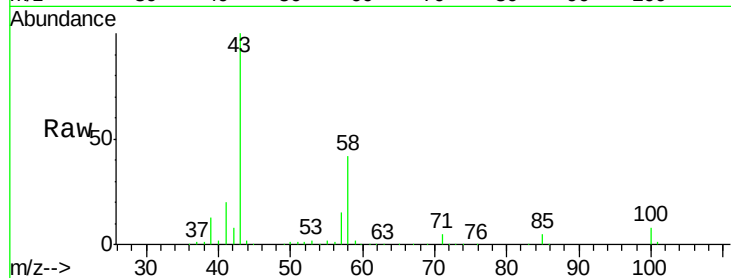
#59
2-Hexanone
Concen: 308.184 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 878246
Ion Ratio Lower Upper
43 100
58 42.3 21.8 65.4

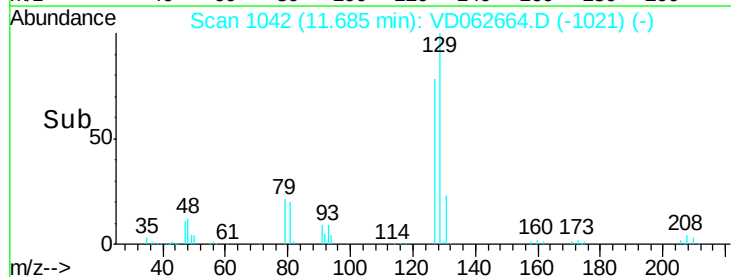
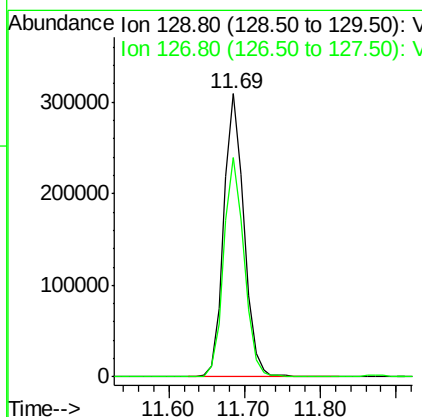
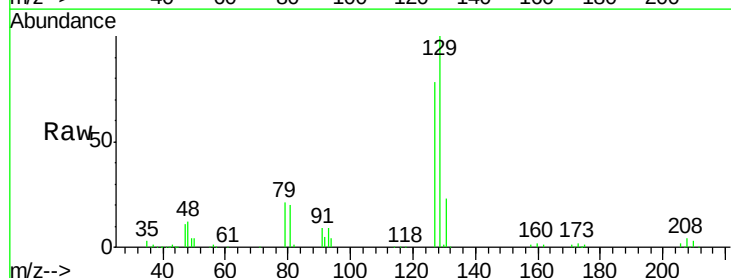
Manual Integrations
APPROVED

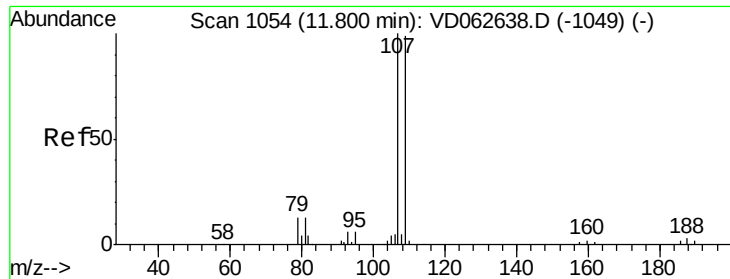
MMDadoda
6/14/2019 12:38:49 AM



#60
Dibromochloromethane
Concen: 62.011 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 129 Resp: 571823
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1





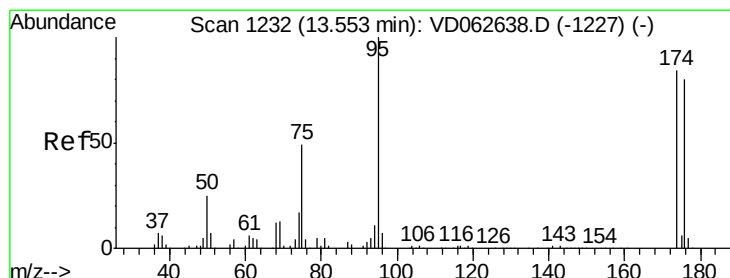
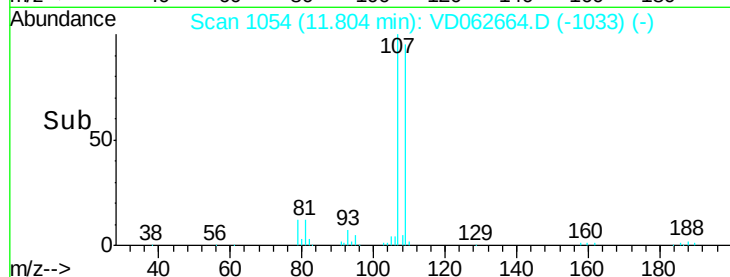
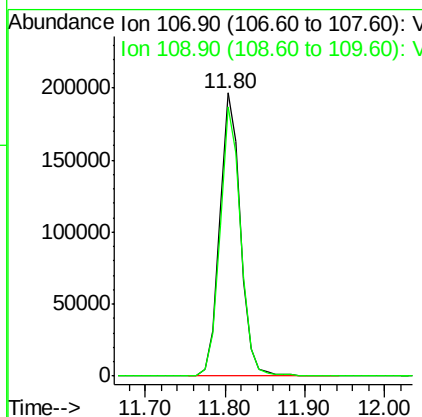
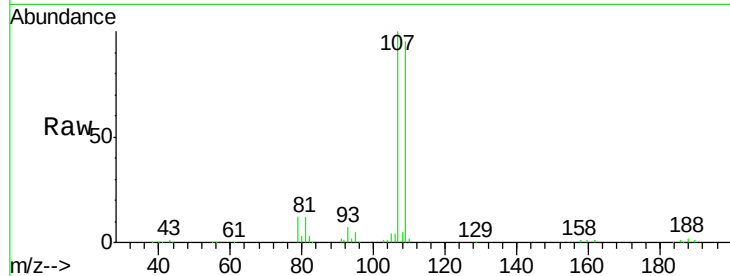
#61
 1,2-Dibromoethane
 Concen: 64.563 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 360959
 Ion Ratio Lower Upper
 107 100
 109 95.0 79.2 118.8

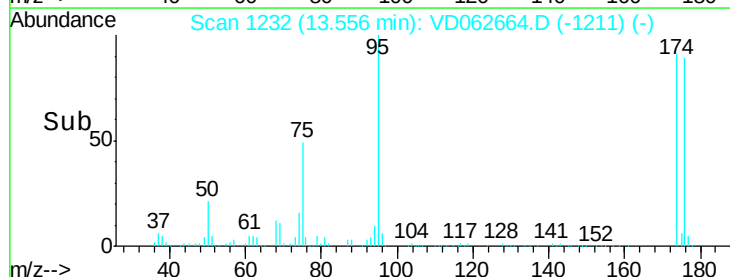
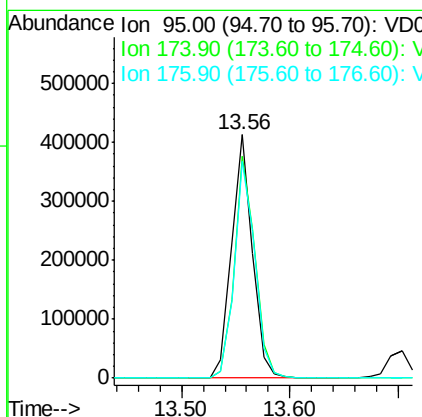
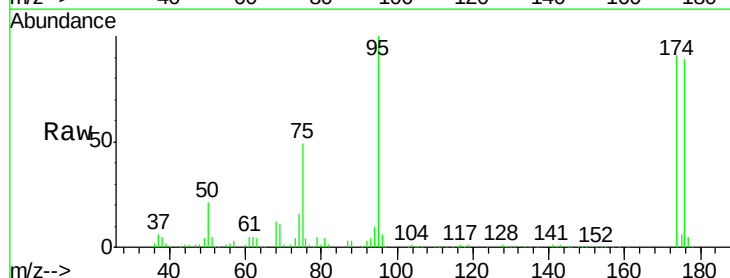
Manual Integrations
 APPROVED

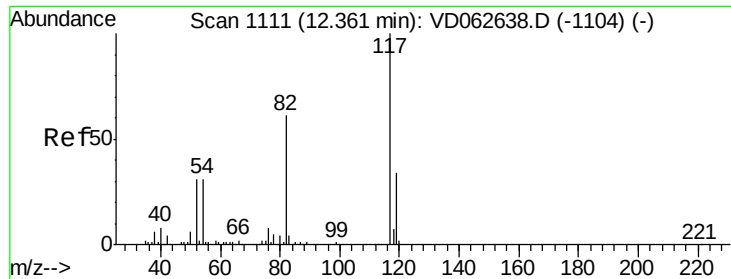
MMDadoda
 6/14/2019 12:38:49 AM



#62
 4-Bromofluorobenzene
 Concen: 58.893 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion: 95 Resp: 552662
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 167.0
 176 89.2 0.0 159.2





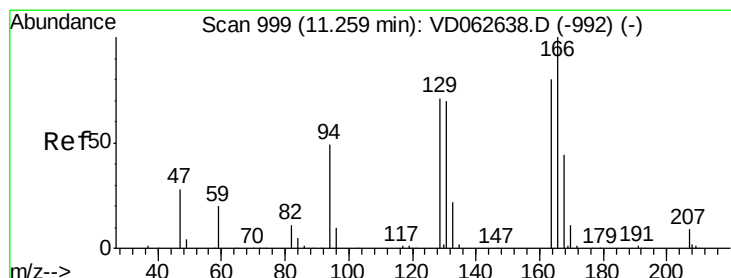
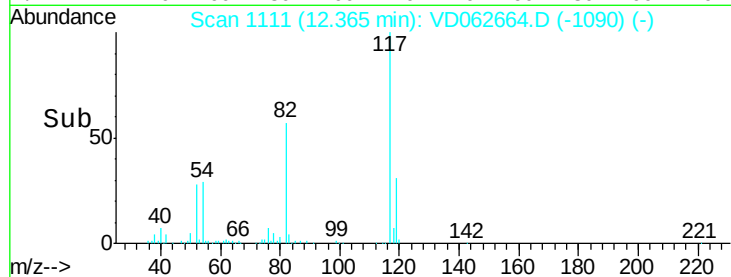
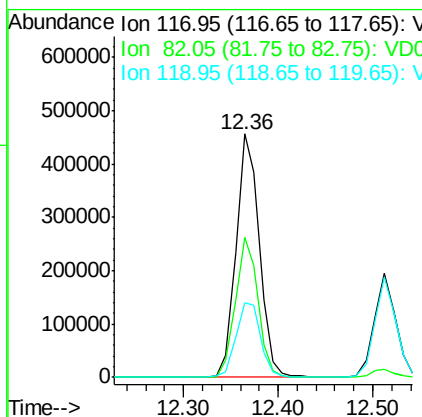
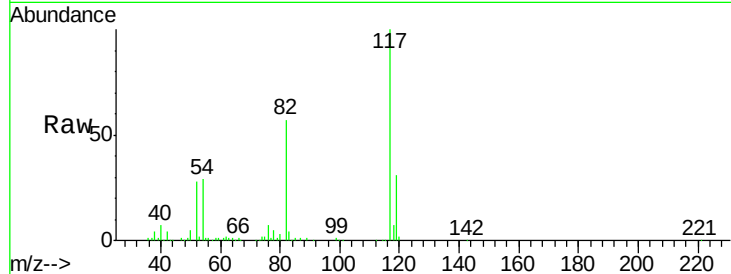
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	48.7	73.1
119	30.9	27.0	40.6

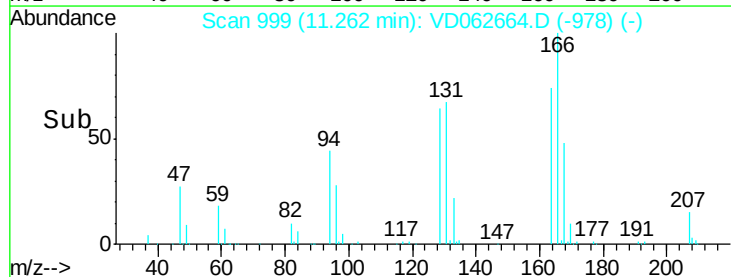
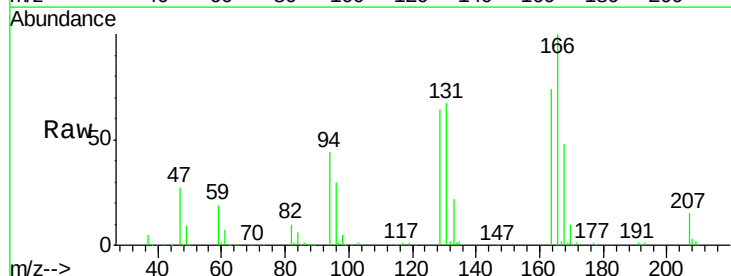
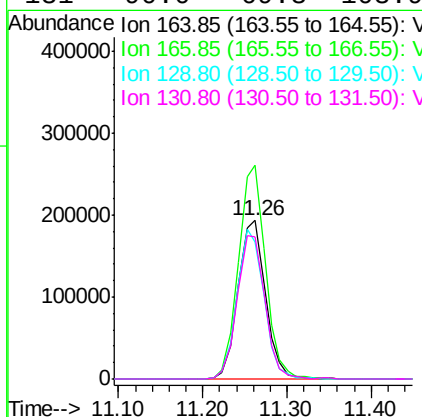
Manual Integrations
APPROVED

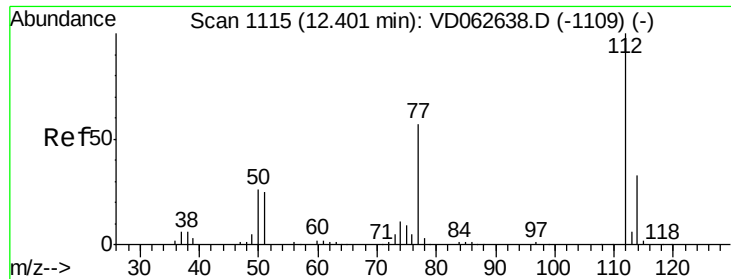
MMDadoda
6/14/2019 12:38:49 AM



#64
Tetrachloroethene
Concen: 60.466 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.1	99.4	149.2
129	86.5	70.2	105.4
131	90.0	69.3	103.9





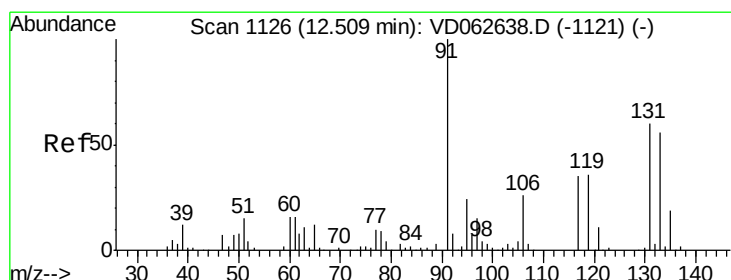
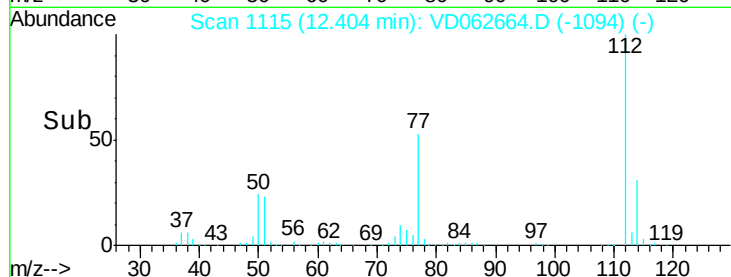
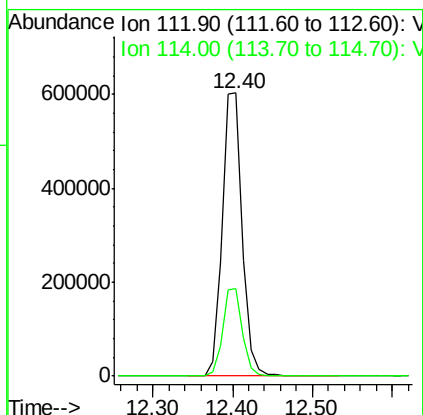
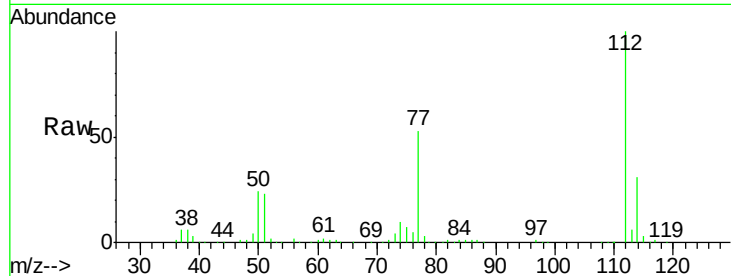
#65
Chlorobenzene
Concen: 62.227 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1066975
Ion Ratio Lower Upper
112 100
114 31.0 26.3 39.5

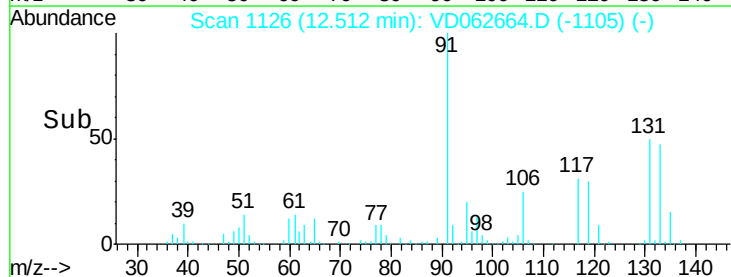
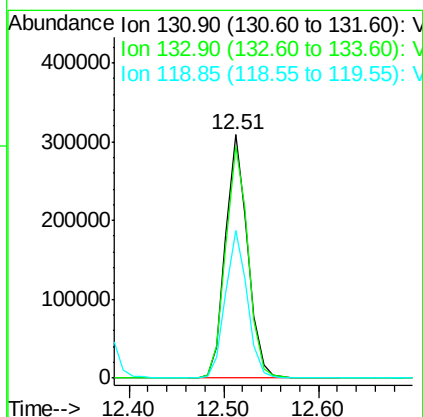
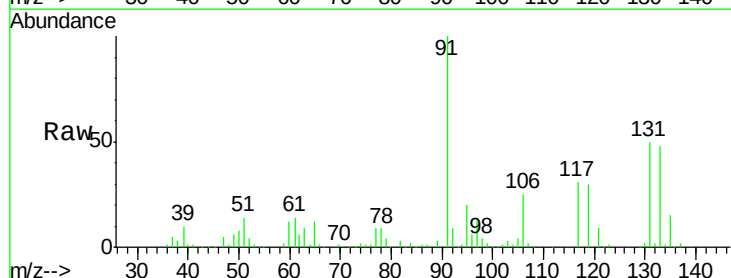
Manual Integrations
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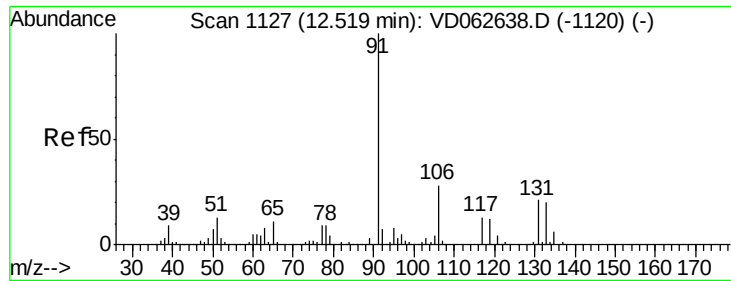
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 61.063 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion:131 Resp: 499354
Ion Ratio Lower Upper
131 100
133 95.5 46.8 140.3
119 60.8 29.9 89.8





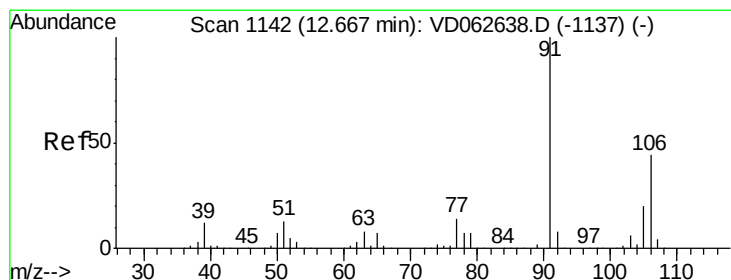
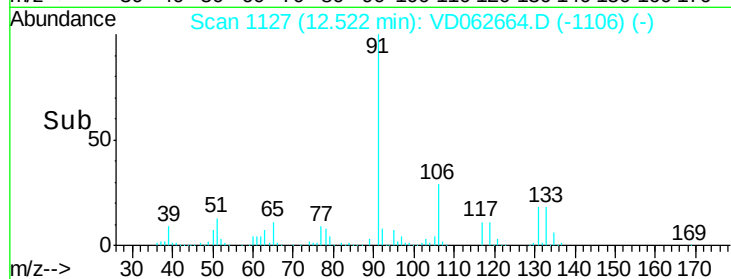
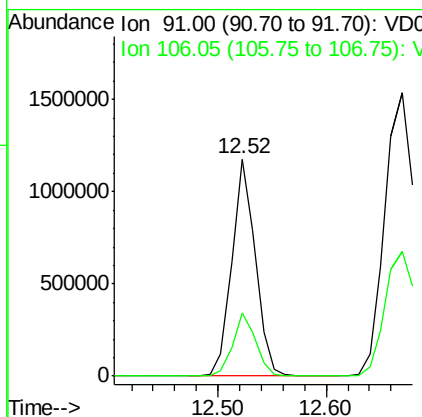
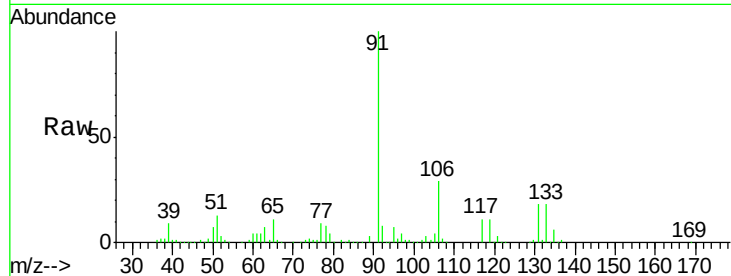
#67
Ethyl Benzene
Concen: 58.663 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1783397
Ion Ratio Lower Upper
91 100
106 29.1 22.1 33.1

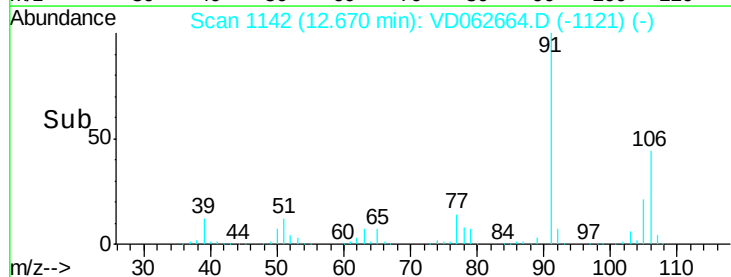
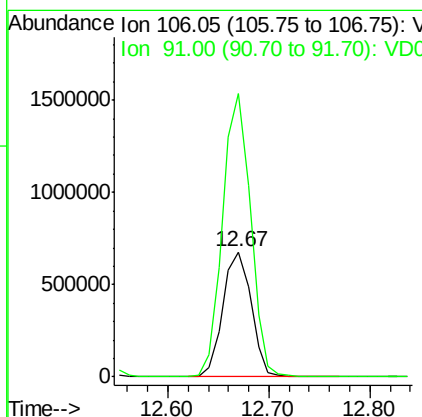
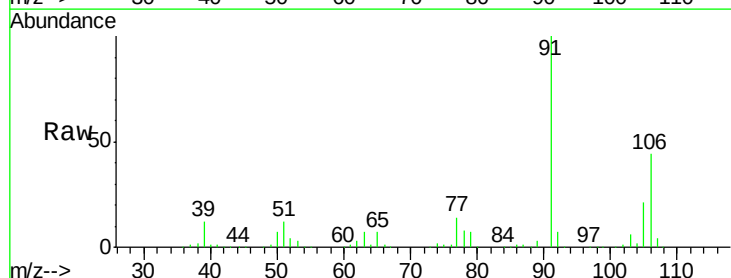
Manual Integrations
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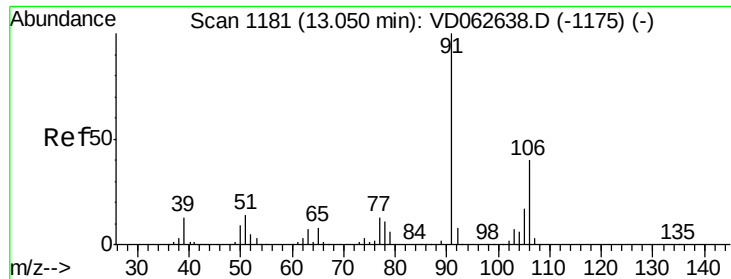
MMDadoda
6/14/2019 12:38:49 AM



#68
m/p-Xylenes
Concen: 123.949 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 106 Resp: 1324718
Ion Ratio Lower Upper
106 100
91 226.0 180.2 270.4





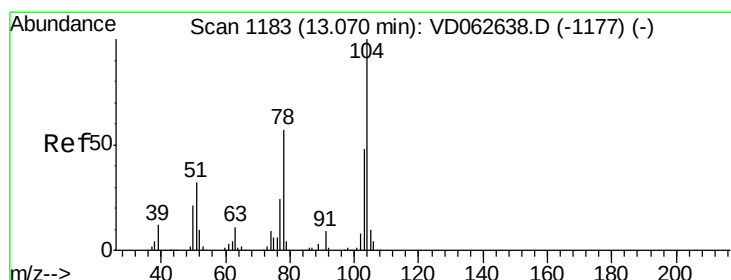
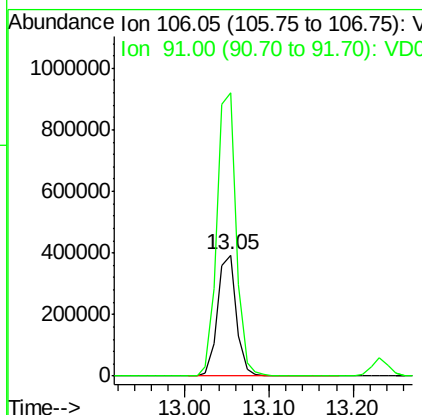
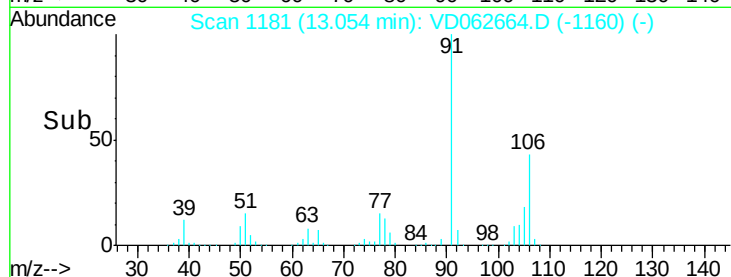
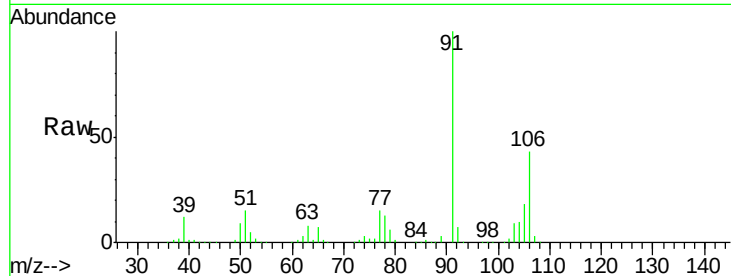
#69
o-Xylene
Concen: 62.235 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 610866
Ion Ratio Lower Upper
106 100
91 234.3 124.1 372.1

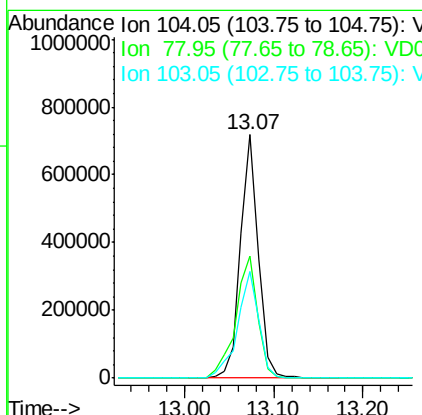
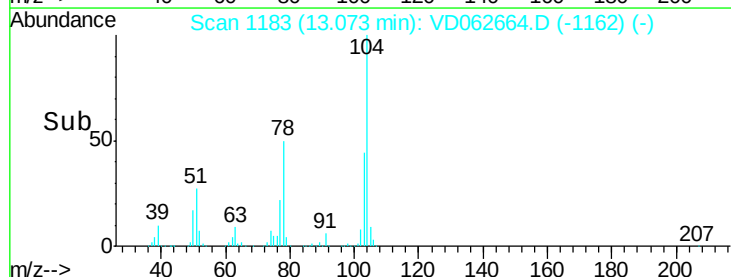
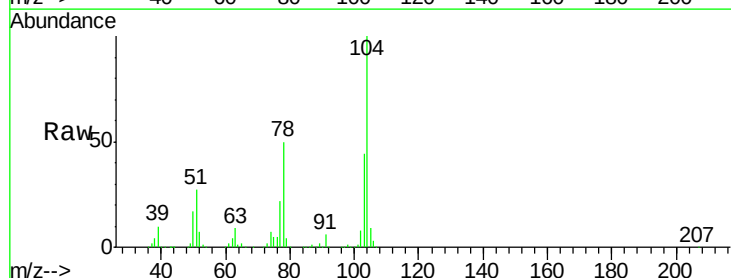
Manual Integrations
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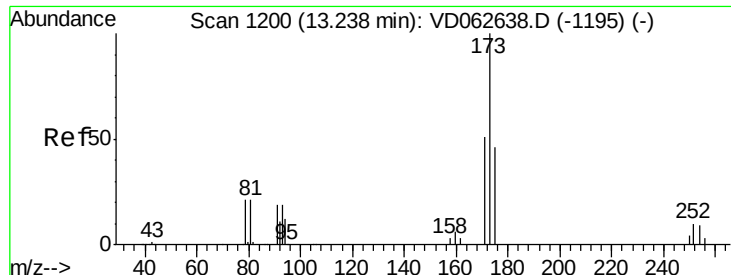
MMDadoda
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#70
Styrene
Concen: 57.265 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion:104 Resp: 1002927
Ion Ratio Lower Upper
104 100
78 50.0 45.9 68.9
103 43.9 38.4 57.6





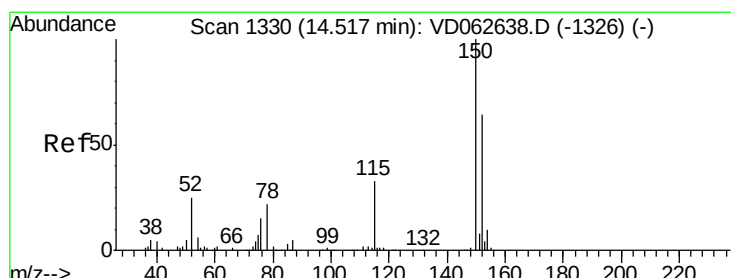
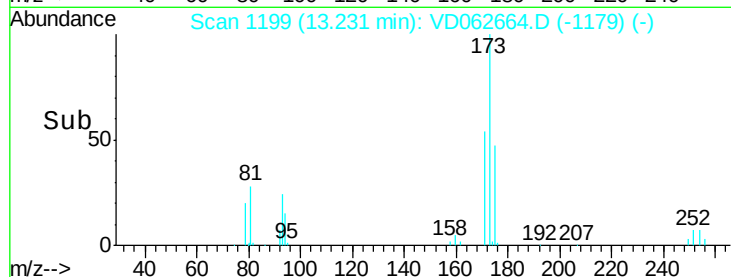
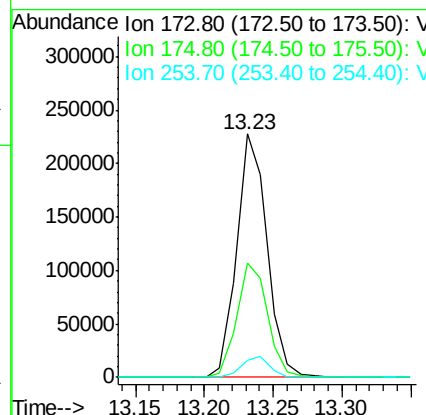
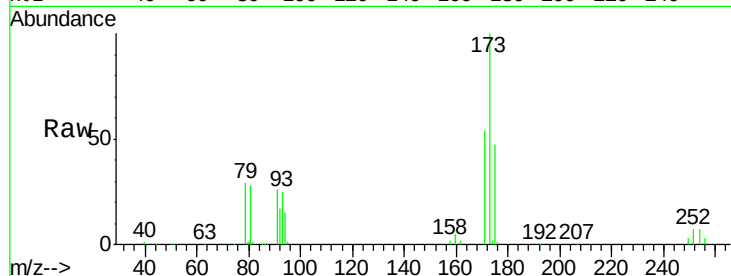
#71
Bromoform
Concen: 55.252 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	22.9	68.7
254	7.2	7.0	10.4

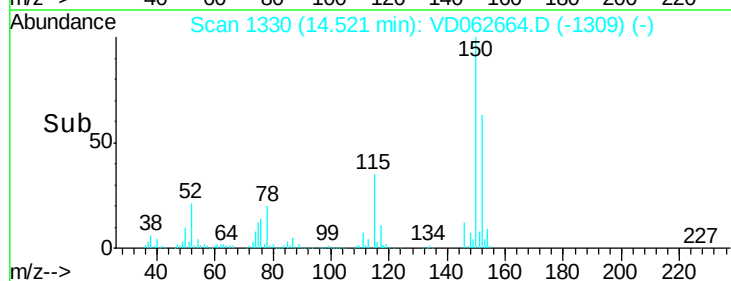
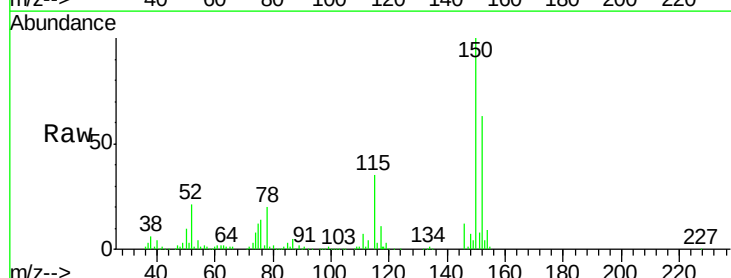
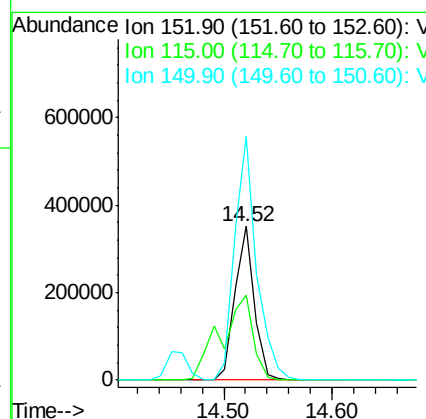
Manual Integrations
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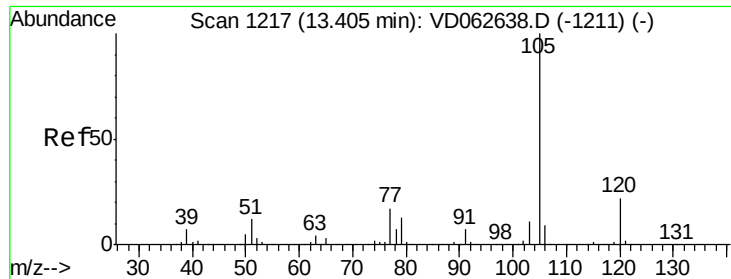
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	30.1	90.5
150	158.4	0.0	314.0





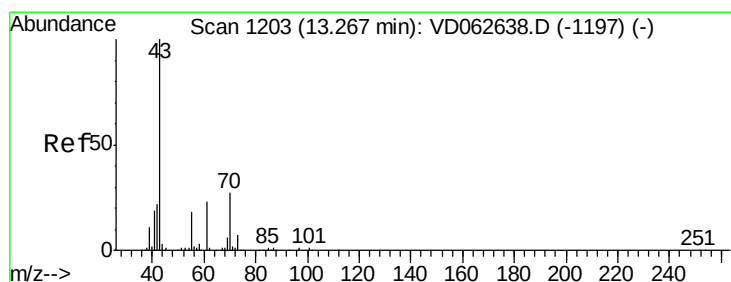
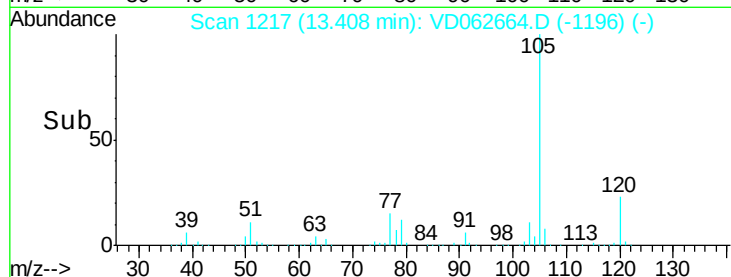
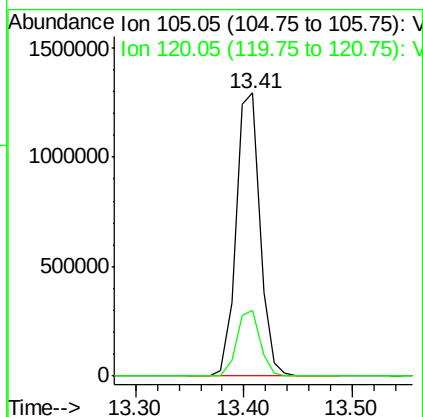
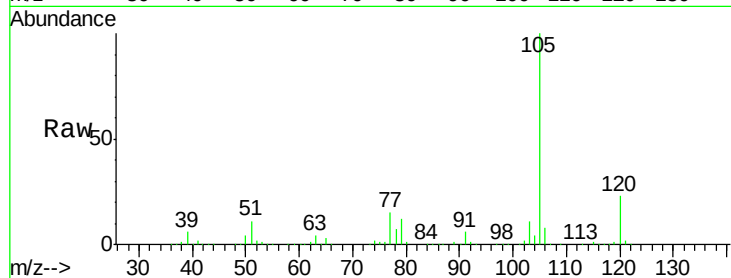
#73
Isopropylbenzene
Concen: 64.219 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1981581
Ion Ratio Lower Upper
105 100
120 23.3 10.9 32.7

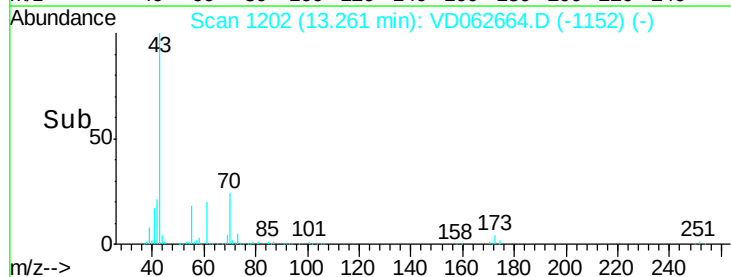
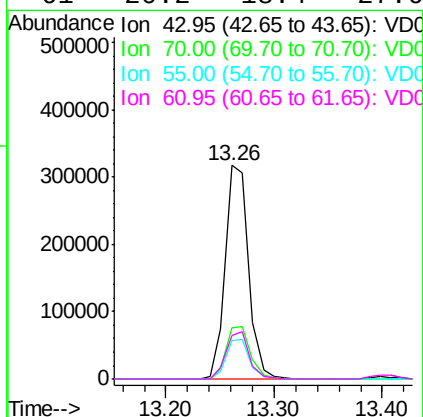
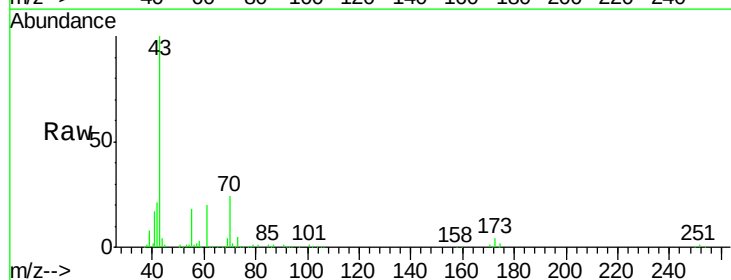
Manual Integrations
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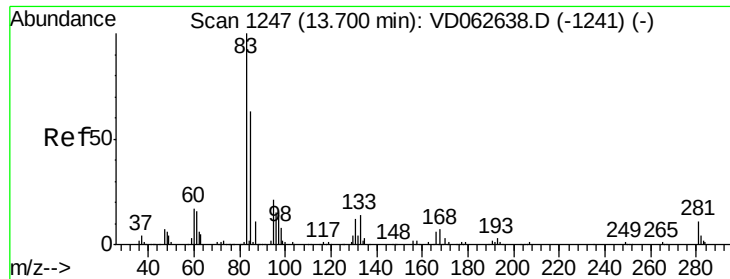
MMDadoda
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#74
N-ethyl acetate
Concen: 57.179 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 43 Resp: 476831
Ion Ratio Lower Upper
43 100
70 24.1 21.8 32.8
55 17.8 14.6 21.8
61 20.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 61.512 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 324770

Ion Ratio Lower Upper

83 100

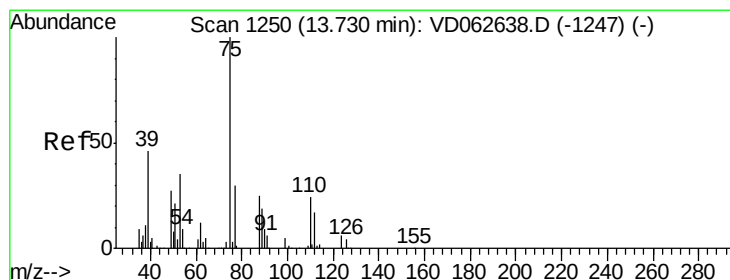
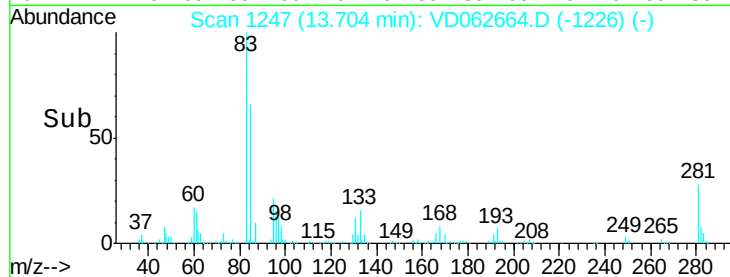
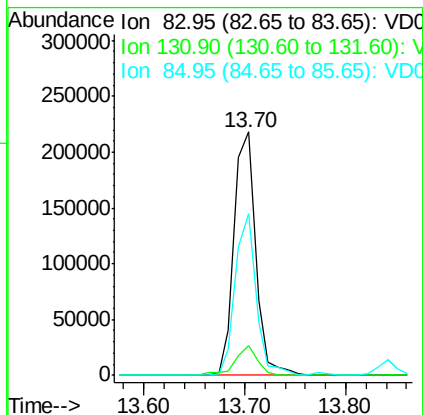
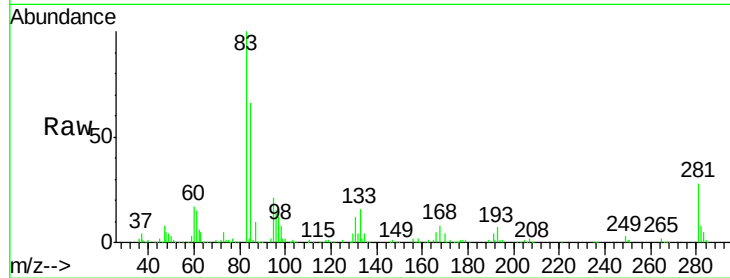
131 12.4 5.9 17.7

85 66.4 31.3 93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 60.727 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062664.D

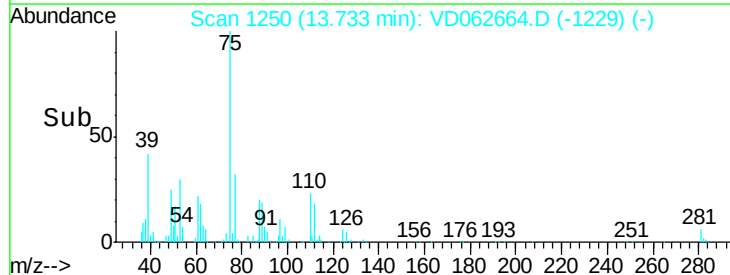
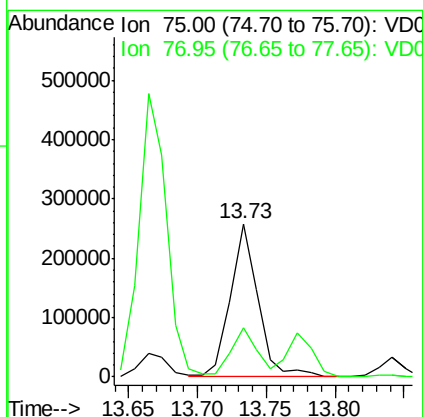
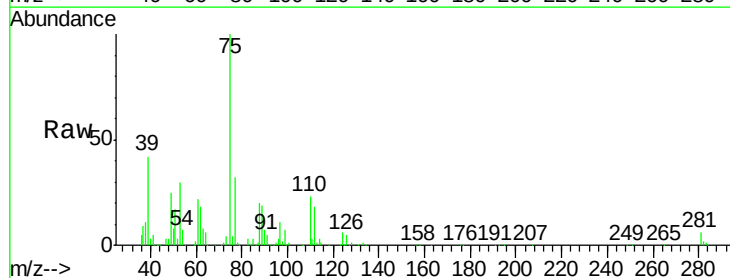
Acq: 10 Jun 2019 20:05

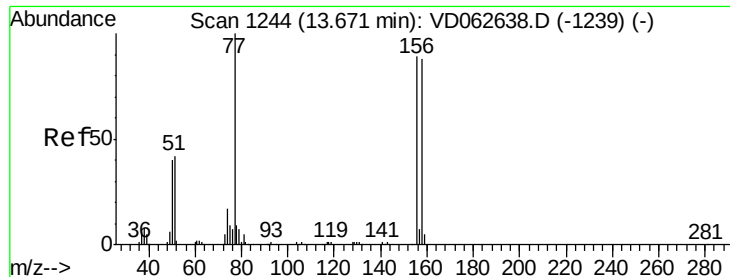
Tgt Ion: 75 Resp: 360463

Ion Ratio Lower Upper

75 100

77 32.4 16.2 48.6





#77

Bromobenzene

Concen: 60.414 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

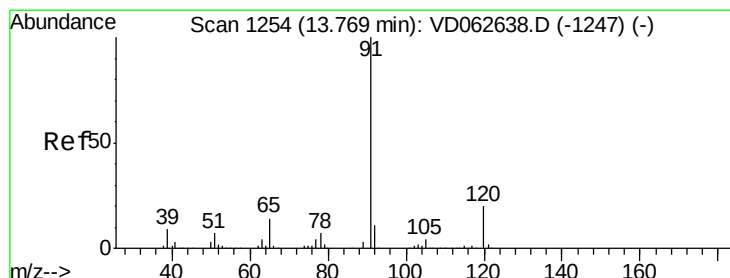
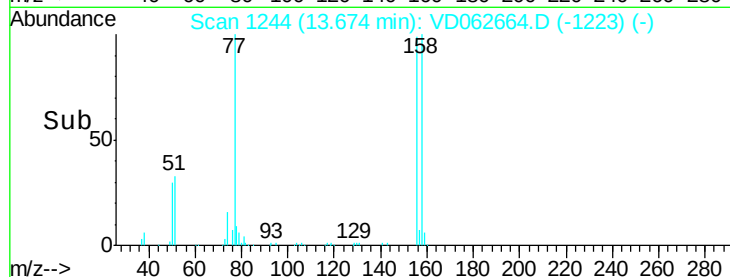
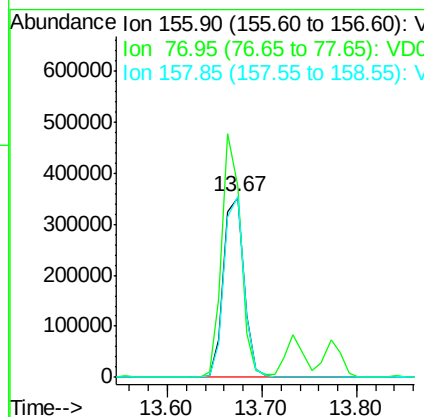
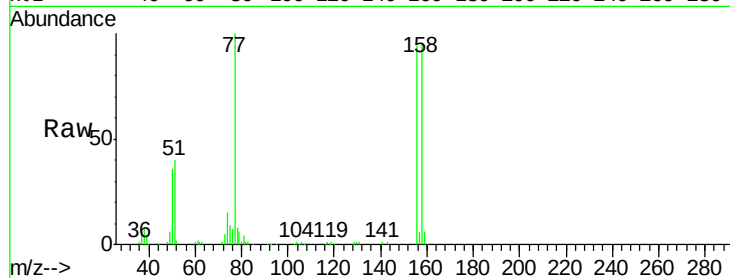
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	105.9	56.3	168.8
158	100.1	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.382 ug/l

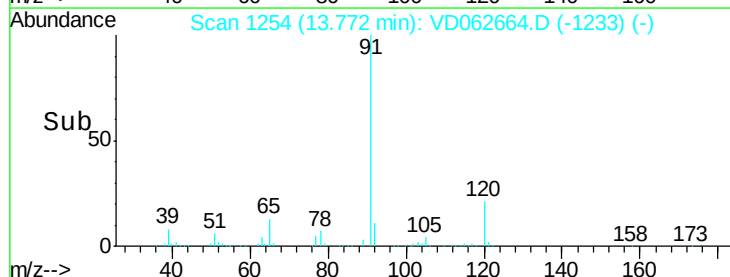
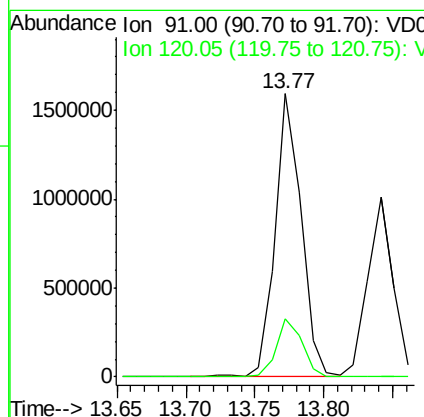
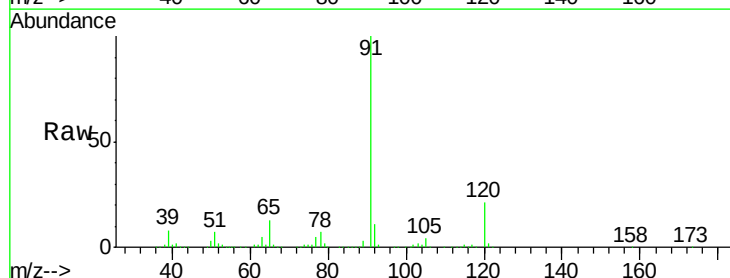
RT: 13.77 min Scan# 1254

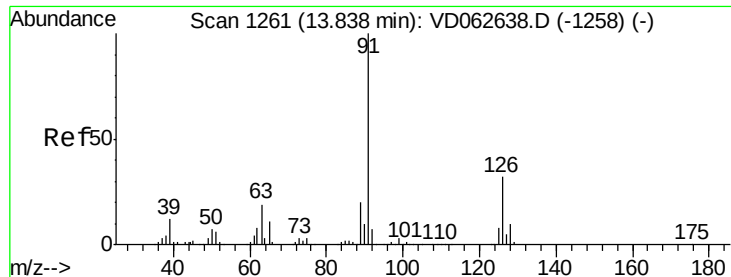
Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	9.8	29.5





#79

2-Chlorotoluene

Concen: 58.731 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1298846

Ion Ratio Lower Upper

91 100

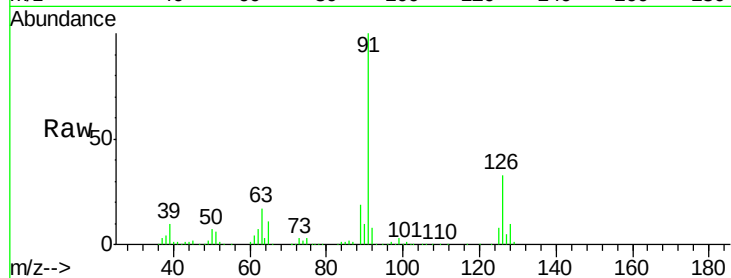
126 32.8 15.8 47.4

Manual Integrations

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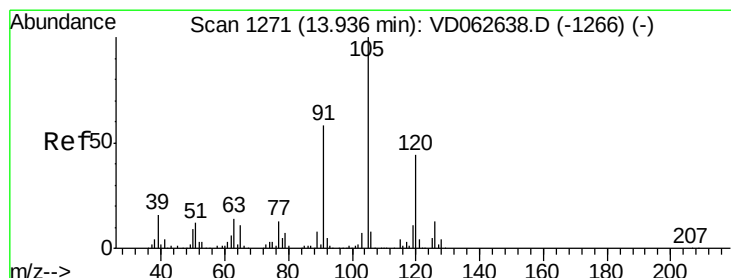
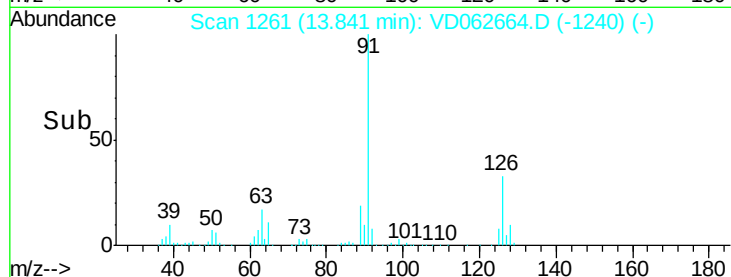
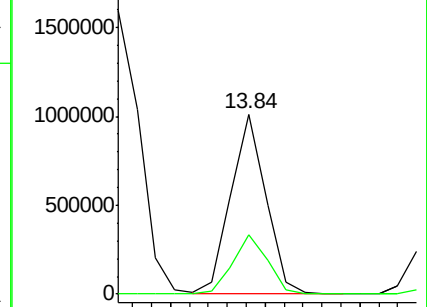
MMDadoda

6/14/2019 12:38:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 62.114 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062664.D

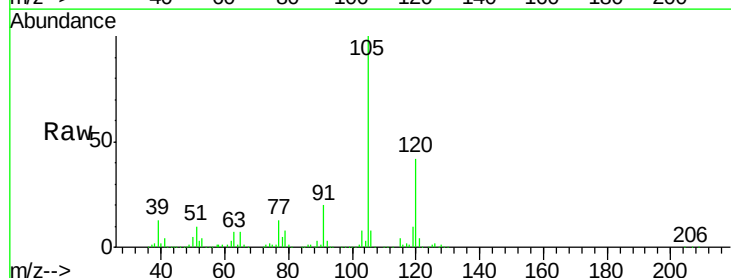
Acq: 10 Jun 2019 20:05

Tgt Ion: 105 Resp: 1693892

Ion Ratio Lower Upper

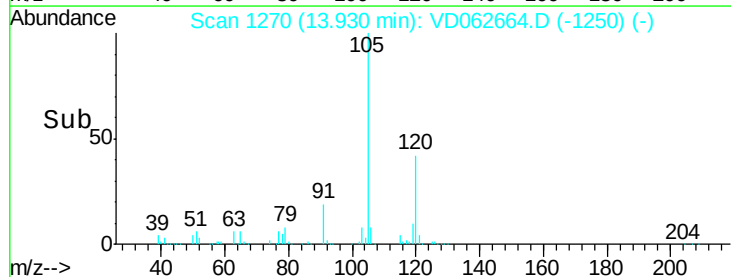
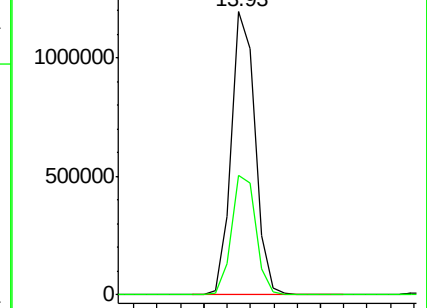
105 100

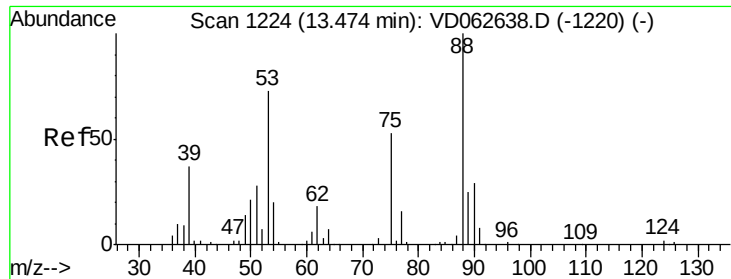
120 42.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





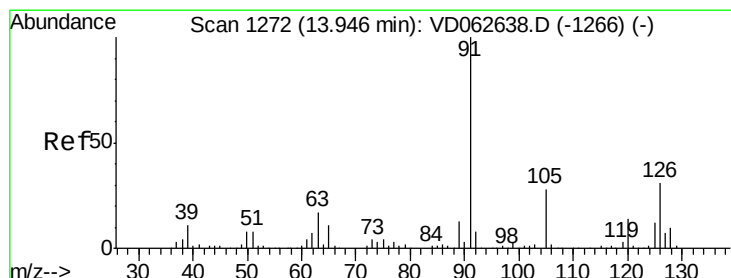
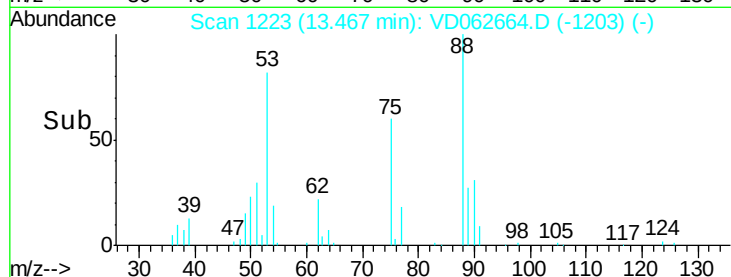
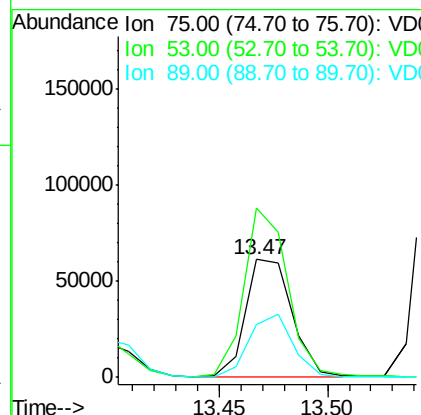
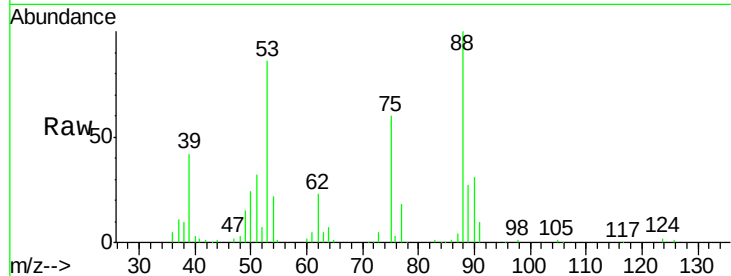
#81
trans-1,4-Dichloro-2-butene
Concen: 52.788 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 93338
Ion Ratio Lower Upper
75 100
53 143.9 109.4 164.2
89 44.5 37.0 55.6

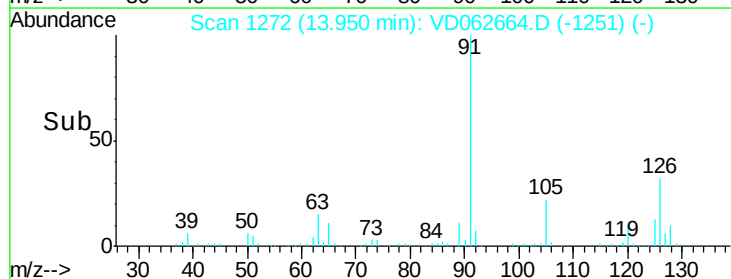
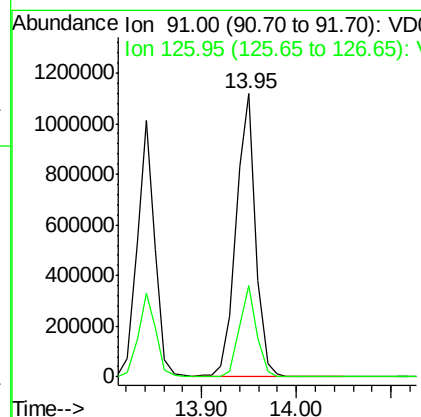
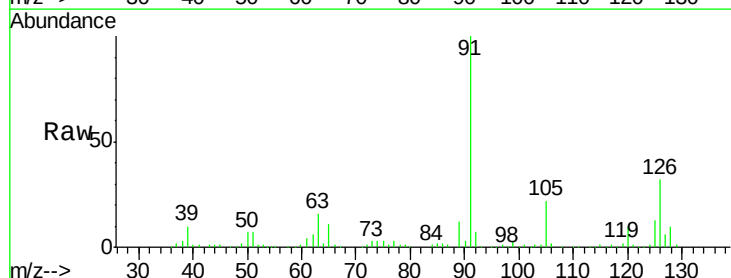
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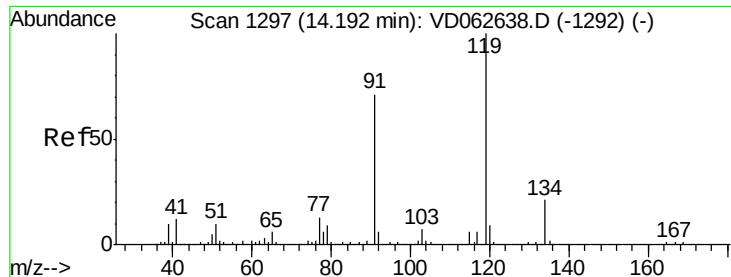
MMDadoda
6/14/2019 12:38:49 AM



#82
4-Chlorotoluene
Concen: 59.916 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 91 Resp: 1584630
Ion Ratio Lower Upper
91 100
126 32.5 15.6 46.8





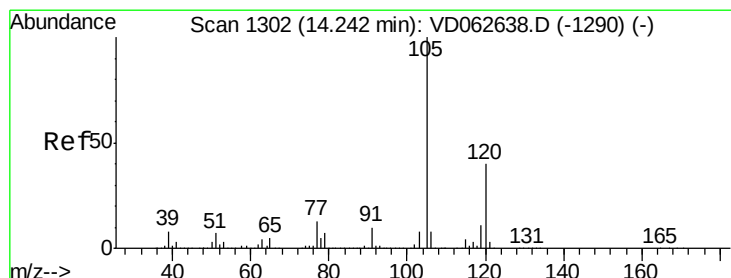
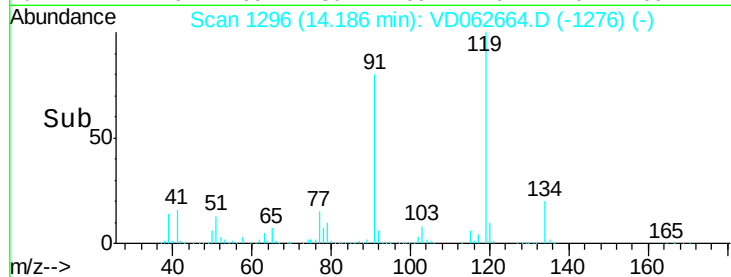
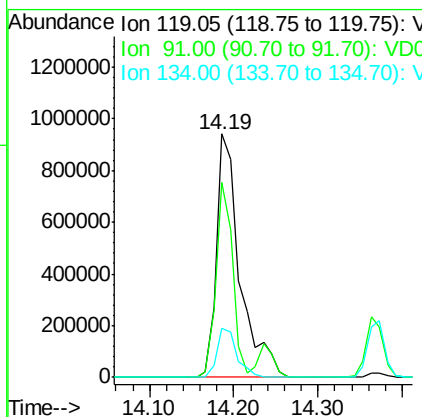
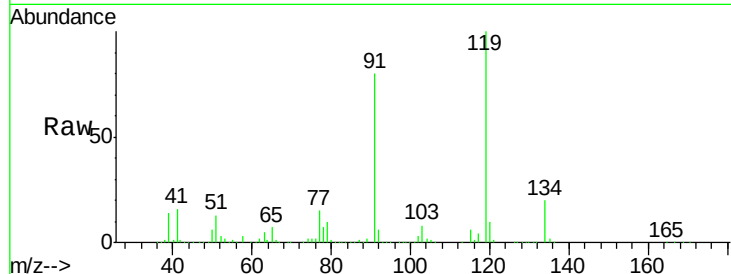
#83
 tert-Butylbenzene
 Concen: 60.314 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1814125
 Ion Ratio Lower Upper
 119 100
 91 80.3 35.4 106.1
 134 20.0 10.8 32.3

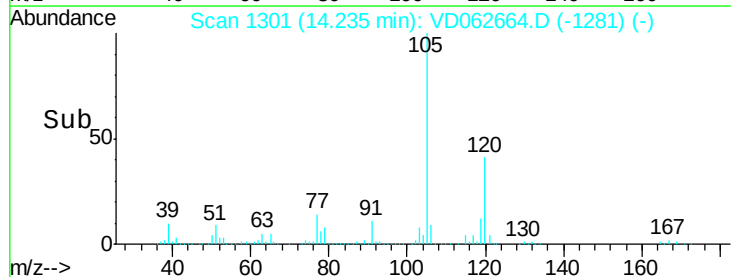
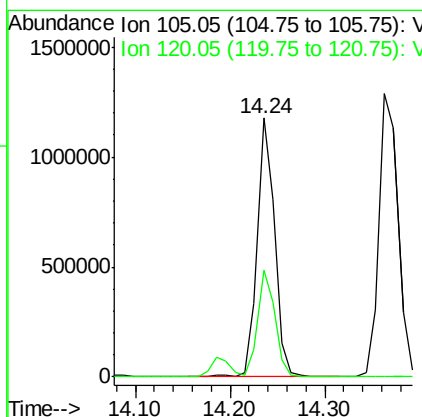
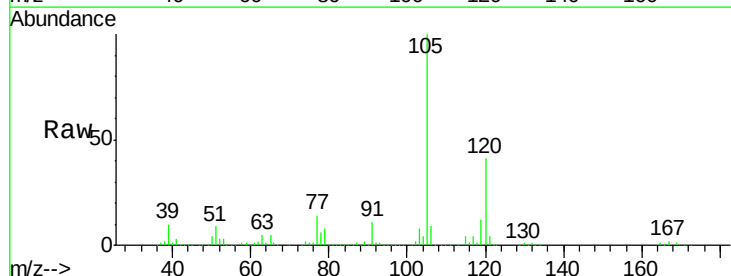
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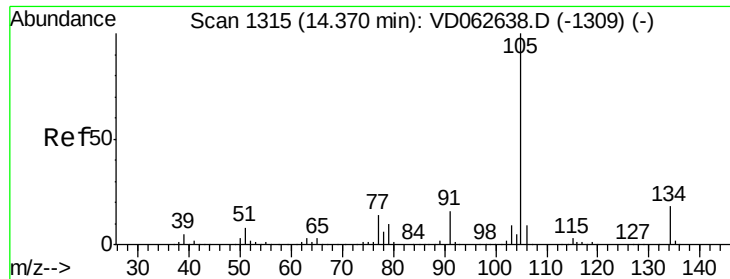
MMDadoda
 6/14/2019 12:38:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.837 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion:105 Resp: 1507671
 Ion Ratio Lower Upper
 105 100
 120 41.3 20.3 60.8





#85

sec-Butylbenzene

Concen: 57.651 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1818315

Ion Ratio Lower Upper

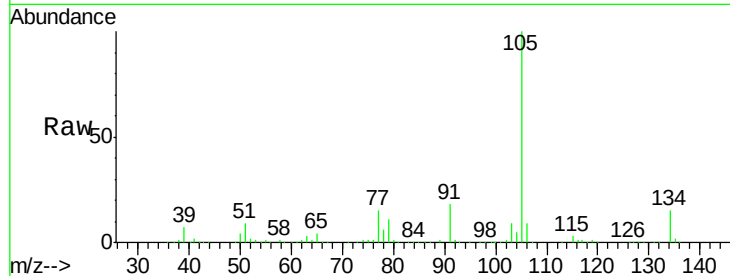
105 100

134 15.0 8.8 26.2

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

1500000

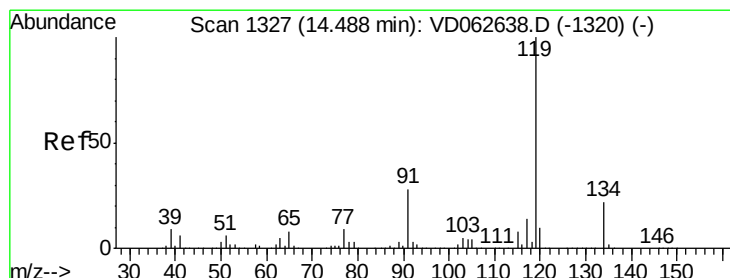
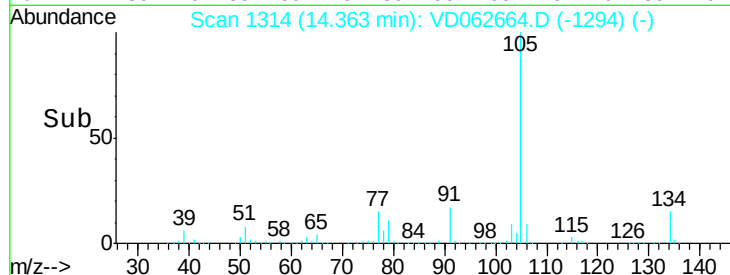
1000000

500000

0

14.30 14.40

Time-->



#86

p-Isopropyltoluene

Concen: 57.160 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

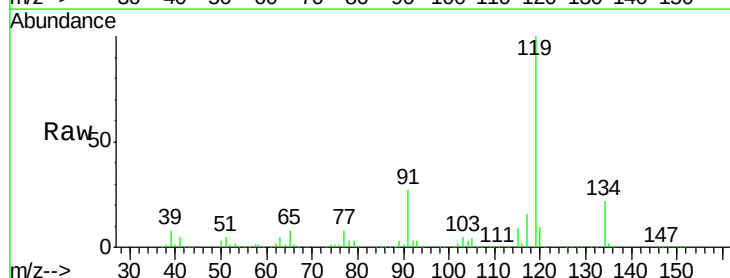
Tgt Ion:119 Resp: 1755283

Ion Ratio Lower Upper

119 100

134 22.0 10.9 32.6

91 26.9 13.9 41.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

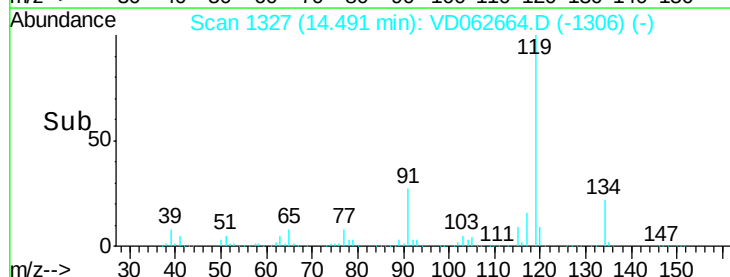
1000000

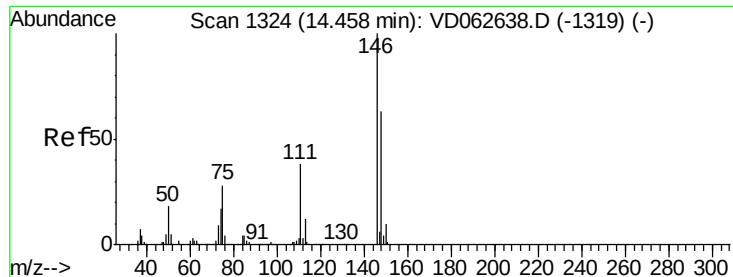
500000

0

14.40 14.50 14.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 56.826 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

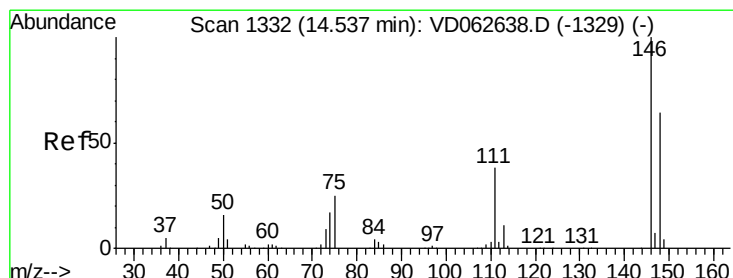
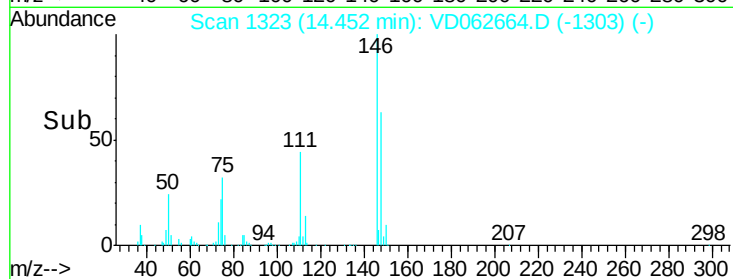
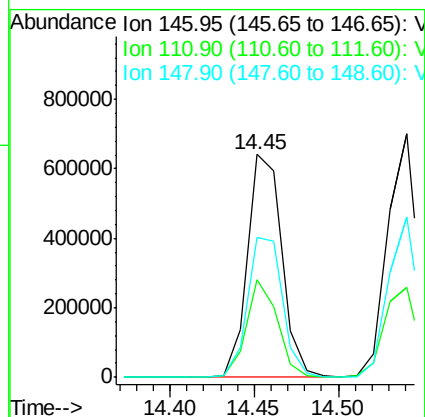
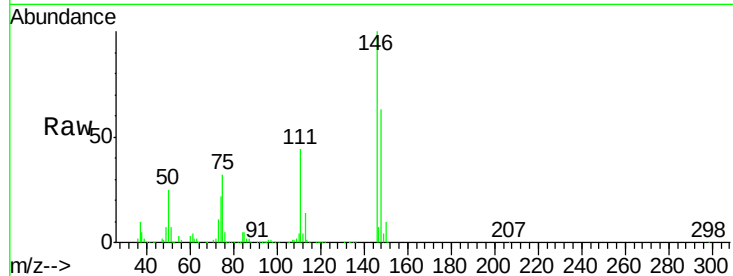
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.2	57.6
148	62.6	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 59.331 ug/l

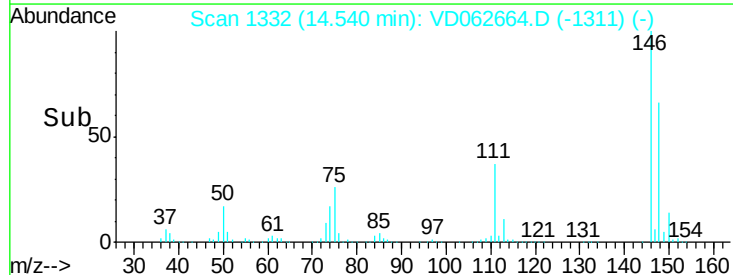
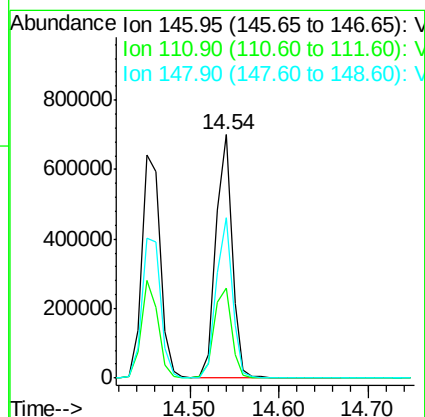
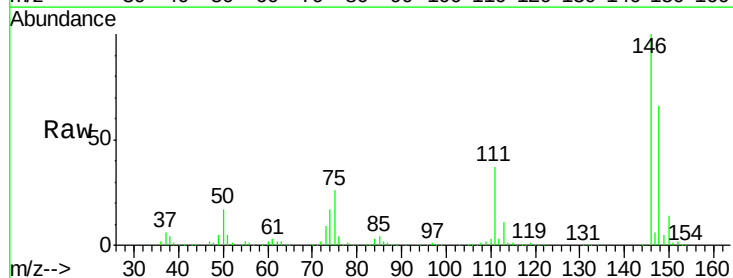
RT: 14.54 min Scan# 1332

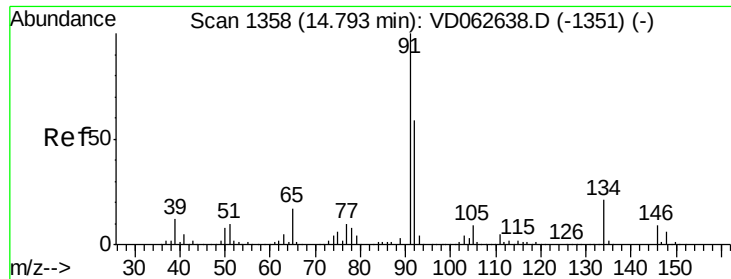
Delta R.T. 0.00 min

Lab File: VD062664.D

Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	66.0	32.3	96.8





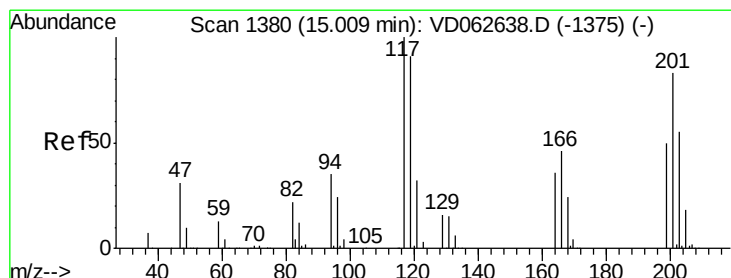
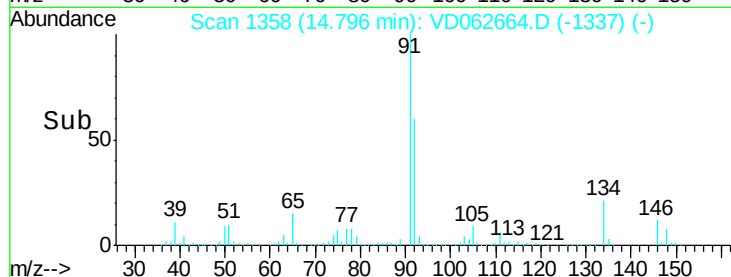
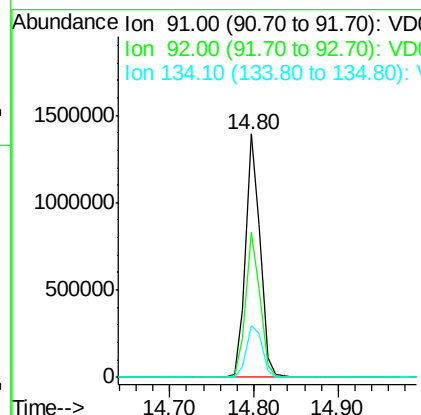
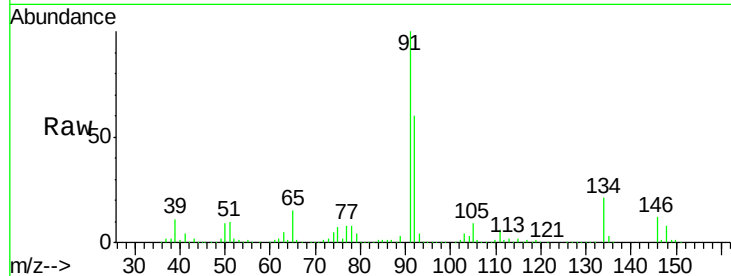
#89
n-Butylbenzene
Concen: 59.966 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1656638
Ion Ratio Lower Upper
91 100
92 59.6 29.4 88.3
134 21.4 10.4 31.2

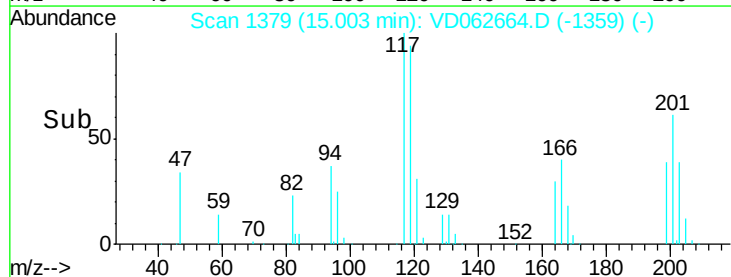
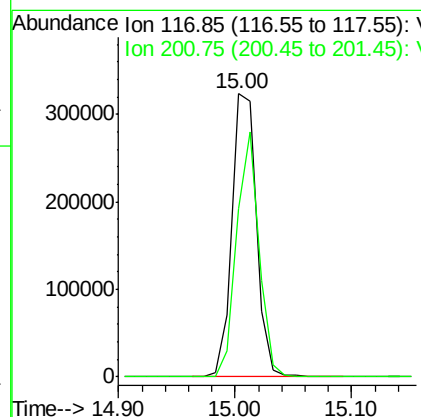
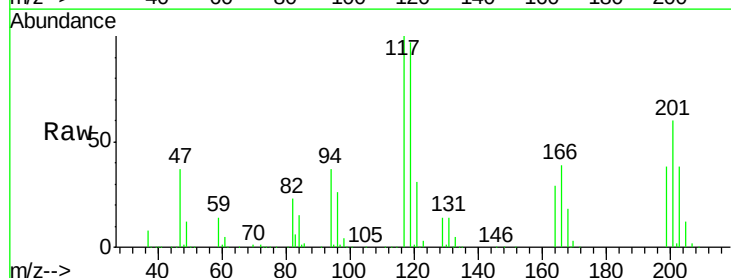
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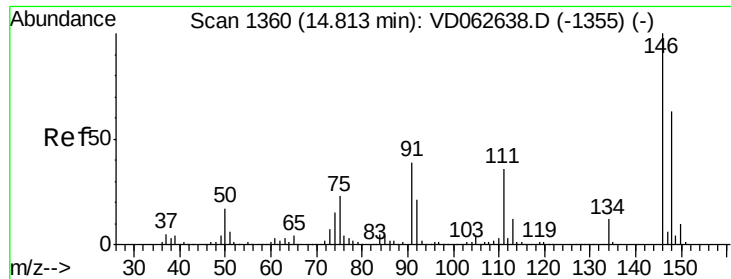
MMDadoda
6/14/2019 12:38:49 AM



#90
Hexachloroethane
Concen: 58.674 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion: 117 Resp: 475666
Ion Ratio Lower Upper
117 100
201 59.6 41.5 124.6





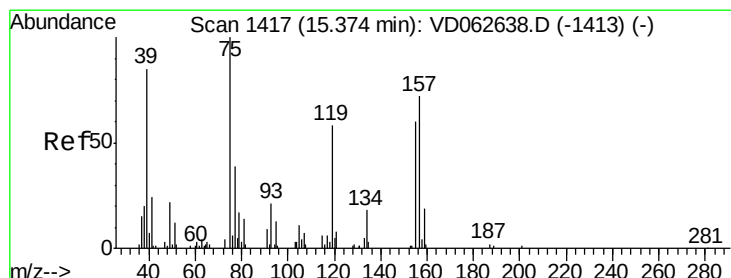
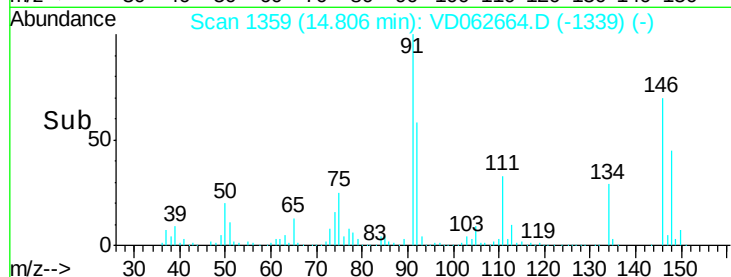
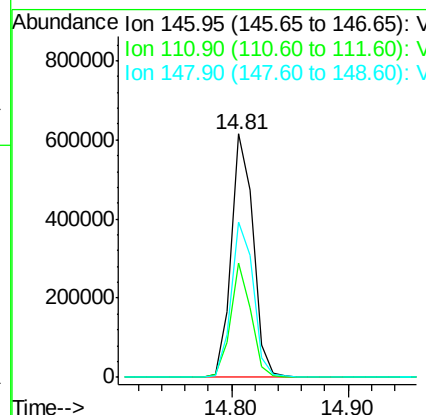
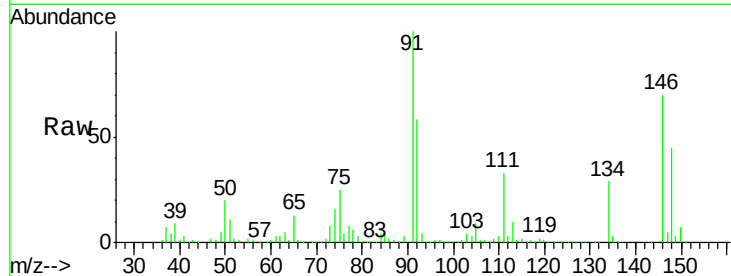
#91
 1,2-Dichlorobenzene
 Concen: 60.539 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	18.1	54.3
148	63.7	31.4	94.0

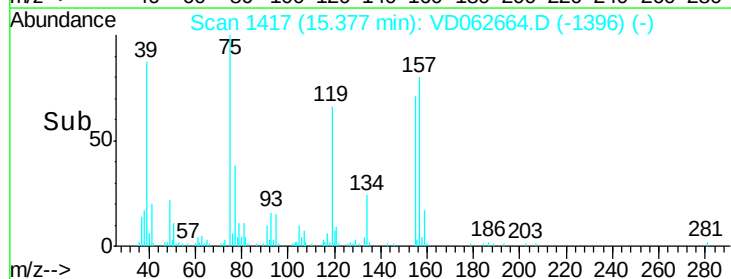
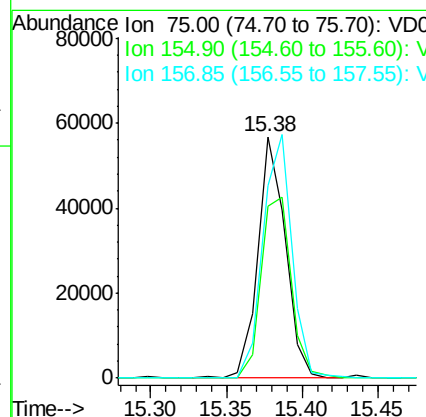
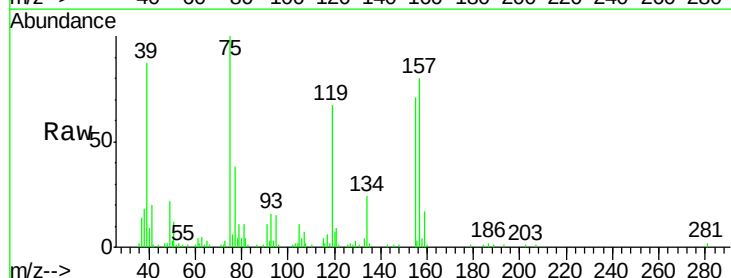
Manual Integrations
 APPROVED

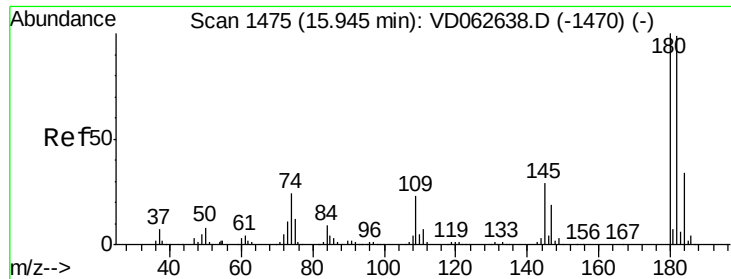
MMDadoda
 6/14/2019 12:38:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.801 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	30.1	90.5
157	79.9	35.9	107.8





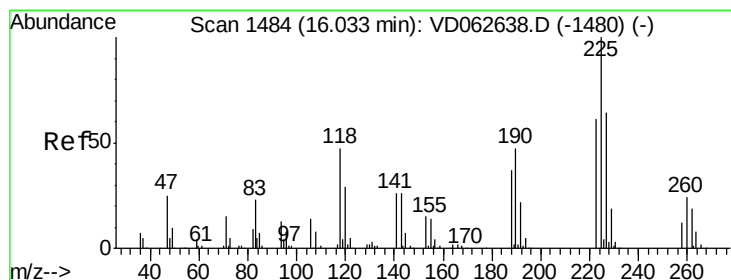
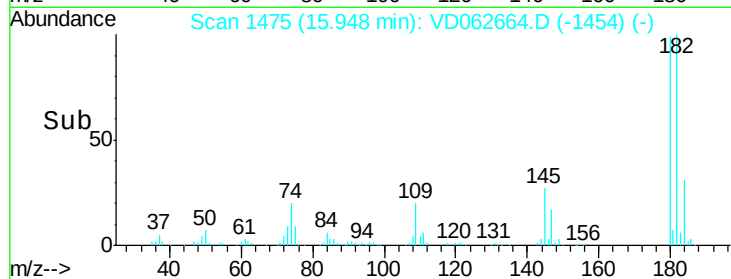
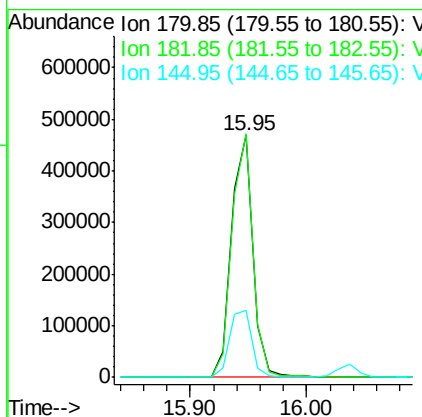
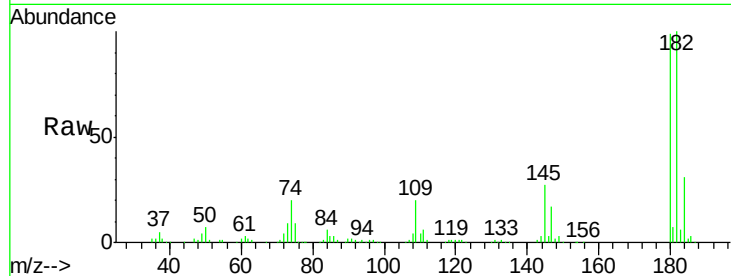
#93
 1,2,4-Trichlorobenzene
 Concen: 52.852 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	597928		
182	100.7	49.4	148.2	
145	27.5	14.5	43.6	

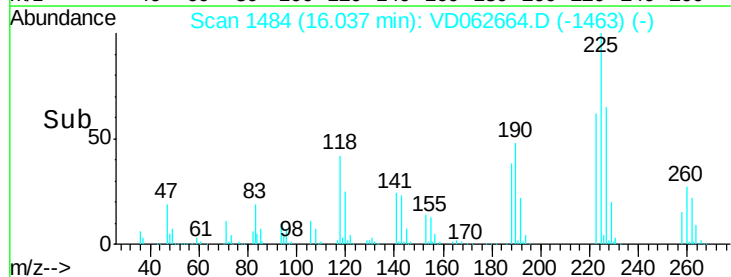
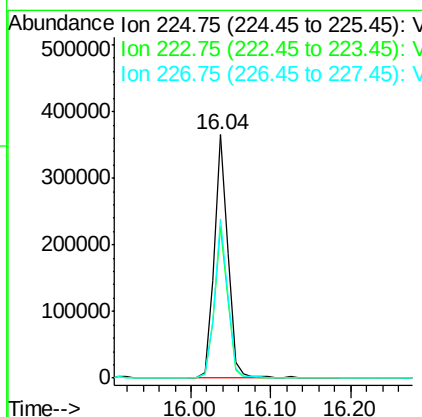
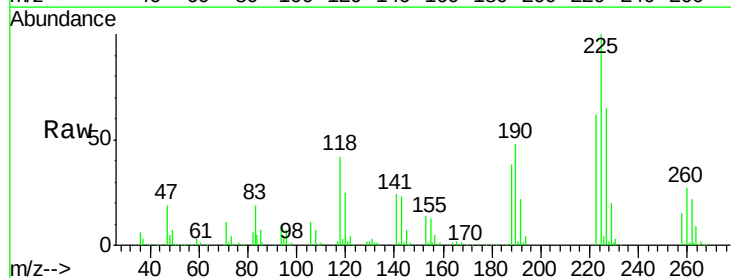
Manual Integrations
 APPROVED

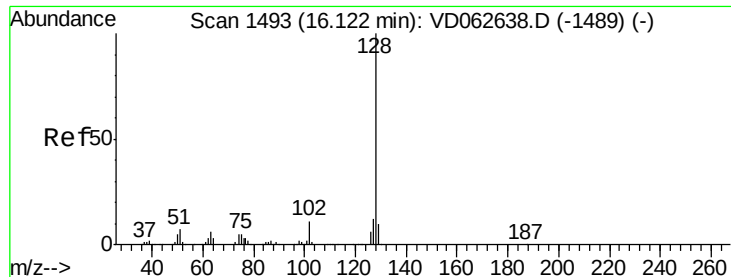
MMDadoda
 6/14/2019 12:38:49 AM



#94
 Hexachlorobutadiene
 Concen: 56.737 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062664.D
 Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	444889		
223	62.2	30.3	91.0	
227	65.4	31.8	95.4	





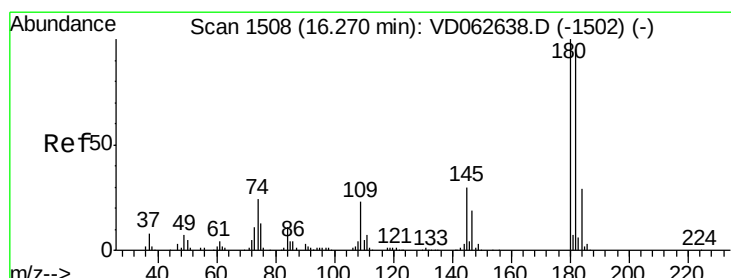
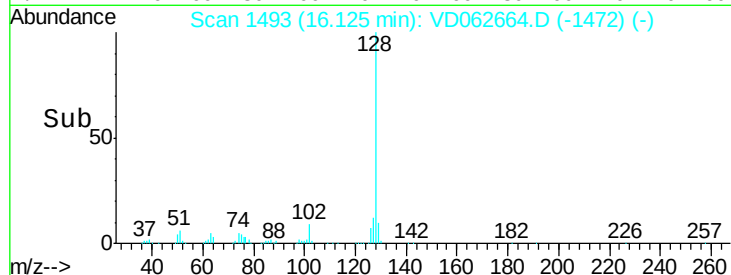
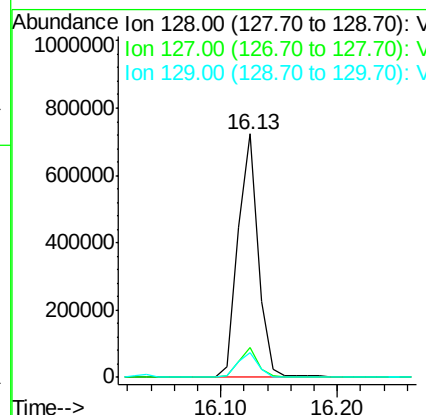
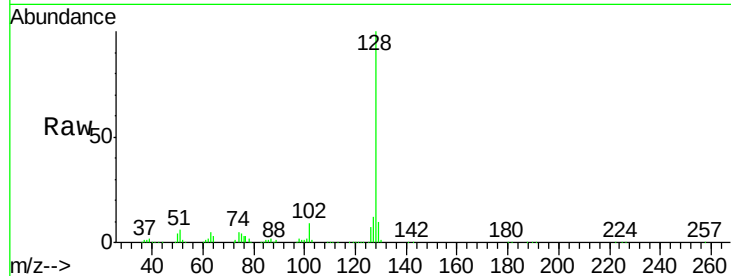
#95
Naphthalene
Concen: 54.278 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	10.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 63.025 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062664.D
Acq: 10 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.7	143.1
145	26.8	15.0	45.0

