

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062638.D
 Acq On : 7 Jun 2019 12:14
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:21 AM

Quant Time: Jun 07 23:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	720325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	995038	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	847855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	461601	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	493228	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
35) Dibromofluoromethane	6.92	113	466719	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.94%	
50) Toluene-d8	10.41	98	986896	44.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	13.55	95	493922	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	391543	42.232	ug/l	100
3) Chloromethane	1.74	50	338877	46.671	ug/l	100
4) Vinyl Chloride	1.85	62	346826	47.277	ug/l	100
5) Bromomethane	2.15	94	184841	50.229	ug/l	100
6) Chloroethane	2.26	64	184429	48.655	ug/l	100
7) Trichlorofluoromethane	2.53	101	812603	48.738	ug/l	100
8) Diethyl Ether	2.86	74	110524	48.610	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	452271	48.915	ug/l	100
10) Methyl Iodide	3.29	142	571783	48.508	ug/l	100
11) Tert butyl alcohol	4.07	59	93805	206.212	ug/l	100
12) 1,1-Dichloroethene	3.12	96	334424	51.909	ug/l	100
13) Acrolein	3.03	56	32630	259.545	ug/l	100
14) Allyl chloride	3.61	41	492968	49.770	ug/l	100
15) Acrylonitrile	4.20	53	238267	241.933	ug/l	100
16) Acetone	3.22	43	513742	263.792	ug/l	100
17) Carbon Disulfide	3.36	76	928115	48.212	ug/l	100
18) Methyl Acetate	3.64	43	137330	43.331	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	783418	49.310	ug/l	100
20) Methylene Chloride	3.81	84	329383	45.351	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	328682	45.546	ug/l	100
22) Diisopropyl ether	5.12	45	1005244	49.585	ug/l	100
23) Vinyl Acetate	5.06	43	3335719	260.761	ug/l	100
24) 1,1-Dichloroethane	4.98	63	645851	48.246	ug/l	100
25) 2-Butanone	6.07	43	484657	255.317	ug/l	100
26) 2,2-Dichloropropane	6.02	77	729218	47.087	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	379021	49.355	ug/l	100
28) Bromochloromethane	6.44	49	243387	50.776	ug/l	100
29) Tetrahydrofuran	6.45	42	211903	248.067	ug/l	100
30) Chloroform	6.66	83	831186	48.236	ug/l	100
31) Cyclohexane	6.95	56	409174	49.872	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	832226	47.756	ug/l	100
36) 1,1-Dichloropropene	7.14	75	536636	45.283	ug/l	100
37) Ethyl Acetate	6.18	43	221802	42.932	ug/l	100
38) Carbon Tetrachloride	7.10	117	904066m	48.332	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	456720	48.429	ug/l	100
40) Benzene	7.45	78	1078101	47.757	ug/l	100
41) Methacrylonitrile	6.44	41	291307	47.047	ug/l	100
42) 1,2-Dichloroethane	7.58	62	673912	49.777	ug/l	100
43) Isopropyl Acetate	9.24	43	300252	49.494	ug/l	100
44) Trichloroethene	8.54	130	444301	47.680	ug/l	100
45) 1,2-Dichloropropane	8.94	63	274376	50.100	ug/l	100
46) Dibromomethane	9.05	93	239536	48.838	ug/l	100
47) Bromodichloromethane	9.37	83	619420	46.517	ug/l	100
48) Methyl methacrylate	9.11	41	213921	47.368	ug/l	100
49) 1,4-Dioxane	9.07	88	38907	1090.572	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	1049991	243.754	ug/l	100
52) Toluene	10.51	92	769879	49.839	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	540833	49.342	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	549718	48.469	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	251415	48.710	ug/l	100
56) Ethyl methacrylate	11.04	69	284983	50.512	ug/l	100
57) 1,3-Dichloropropane	11.41	76	379489	46.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	582511	205.436	ug/l	100
59) 2-Hexanone	11.53	43	799898	246.700	ug/l	100
60) Dibromochloromethane	11.68	129	523430	51.056	ug/l	100
61) 1,2-Dibromoethane	11.80	107	315157	50.348	ug/l	100
64) Tetrachloroethene	11.26	164	414337	51.473	ug/l	100
65) Chlorobenzene	12.40	112	960786	50.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	458753	50.405	ug/l	100
67) Ethyl Benzene	12.52	91	1649720	48.854	ug/l	100
68) m/p-Xylenes	12.67	106	1169002	98.667	ug/l	100
69) o-Xylene	13.05	106	538962	48.464	ug/l	100
70) Styrene	13.07	104	973841	49.110	ug/l	100
71) Bromoform	13.24	173	326870	51.669	ug/l	100
73) Isopropylbenzene	13.40	105	1543068	45.909	ug/l	100
74) N-amyl acetate	13.27	43	457845	50.591	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	297783	52.365	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	316243	49.658	ug/l	100
77) Bromobenzene	13.67	156	485507	51.340	ug/l	100
78) n-propylbenzene	13.77	91	2101812	51.657	ug/l	100
79) 2-Chlorotoluene	13.84	91	1270053	53.504	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1405864	47.924	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	87388	53.271	ug/l	100
82) 4-Chlorotoluene	13.95	91	1367180	47.872	ug/l	100
83) tert-Butylbenzene	14.19	119	1761478	53.820	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1555138	52.768	ug/l	100
85) sec-Butylbenzene	14.37	105	1749458	51.401	ug/l	100
86) p-Isopropyltoluene	14.49	119	1766716	53.505	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	901945	51.563	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	799873	48.683	ug/l	100
89) n-Butylbenzene	14.79	91	1580908	52.547	ug/l	100
90) Hexachloroethane	15.01	117	441648	50.778	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	768599	53.463	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	61575	49.033	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri Jun 07 23:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	553072	50.710	ug/l	100
94) Hexachlorobutadiene	16.03	225	426454	49.518	ug/l	100
95) Naphthalene	16.12	128	803473	53.026	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	437789	52.981	ug/l	100

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

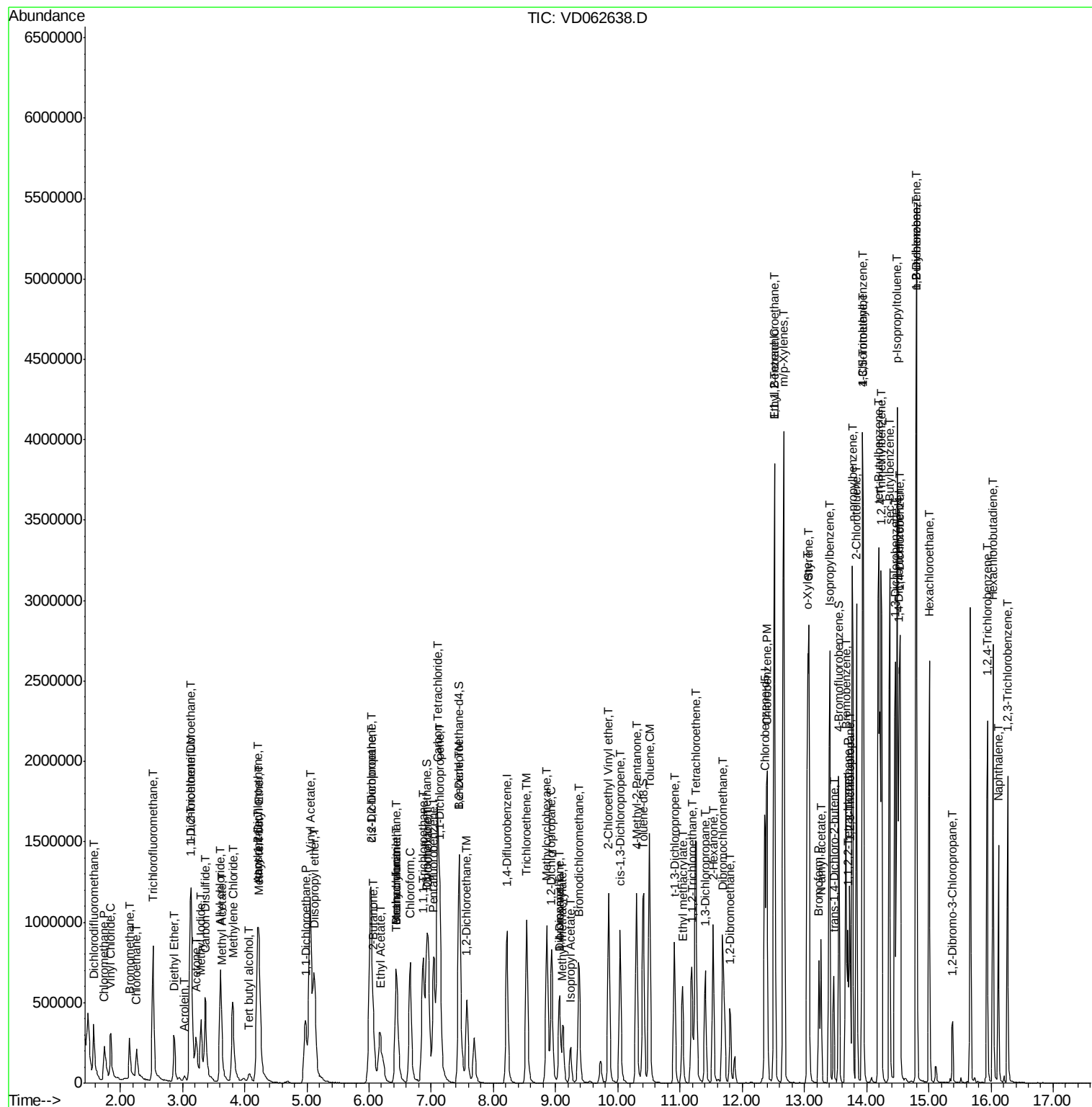
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
Data File : VD062638.D
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Operator : FY/SY
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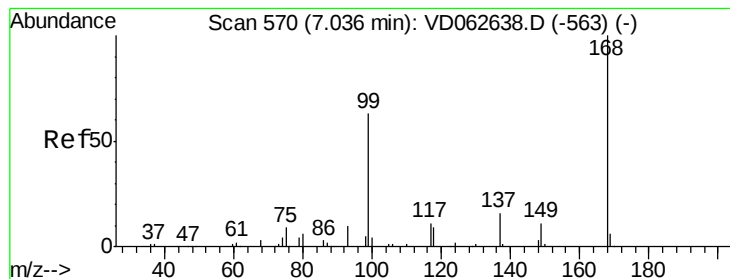
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 720325

Ion Ratio Lower Upper

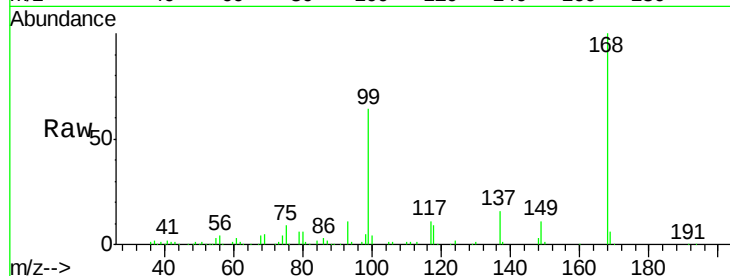
168 100

99 64.3 51.4 77.2

Manual Integrations
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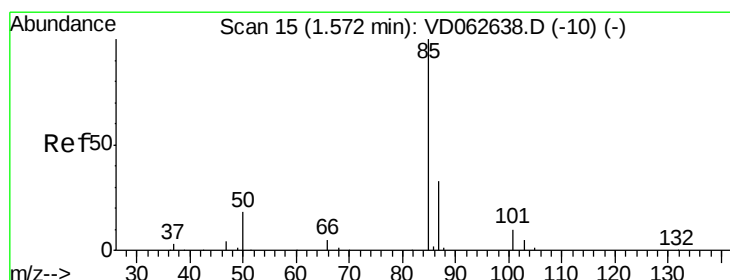
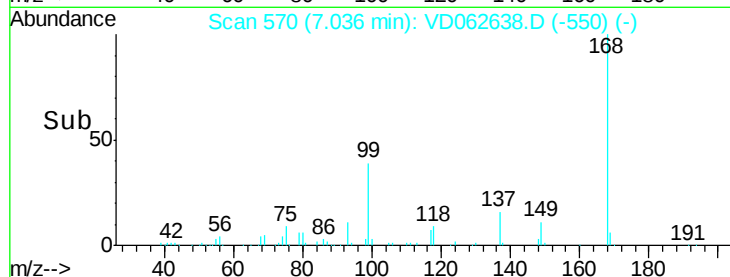
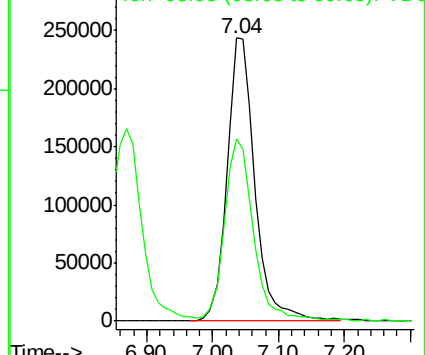
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.232 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062638.D

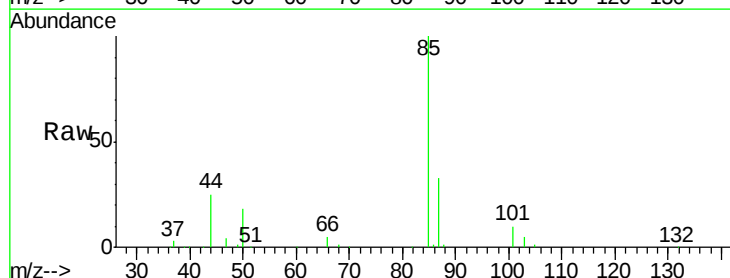
Acq: 7 Jun 2019 12:14

Tgt Ion: 85 Resp: 391543

Ion Ratio Lower Upper

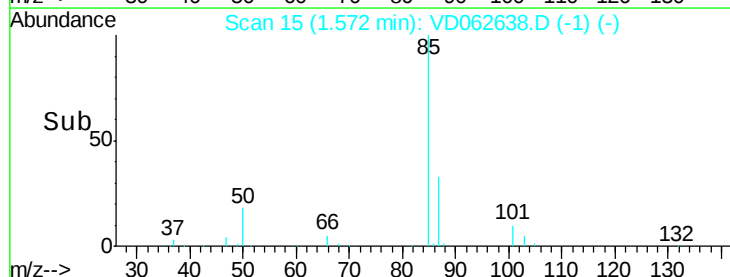
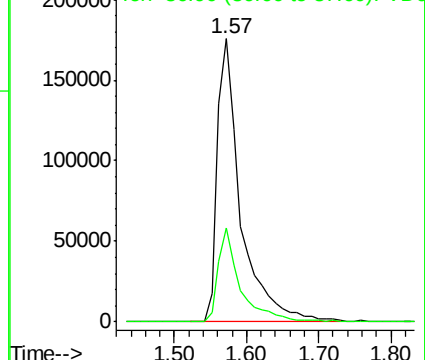
85 100

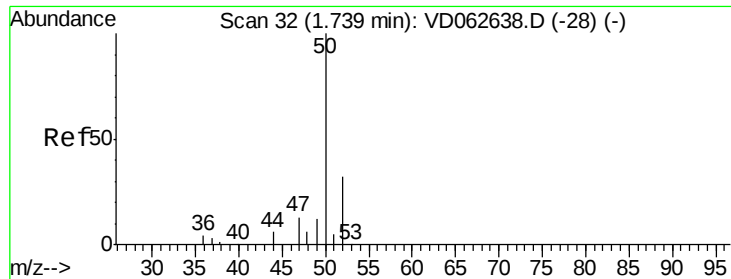
87 33.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.671 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 338877

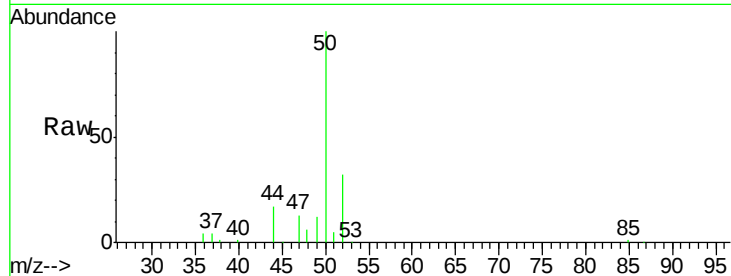
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

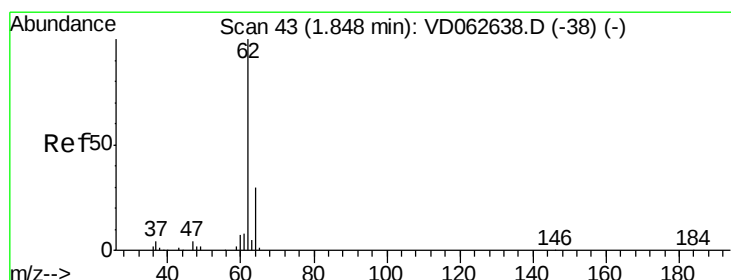
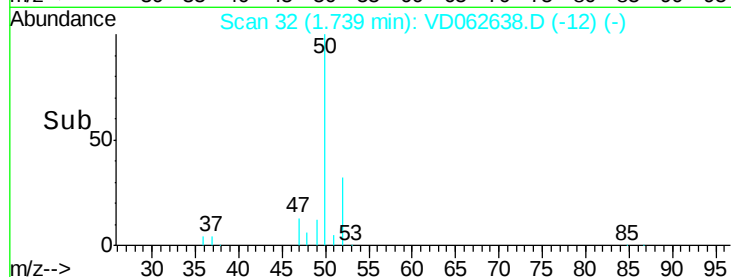
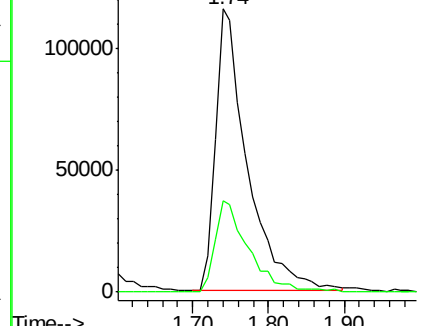
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.277 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062638.D

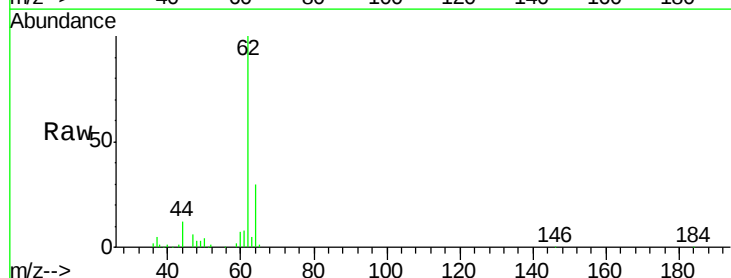
Acq: 7 Jun 2019 12:14

Tgt Ion: 62 Resp: 346826

Ion Ratio Lower Upper

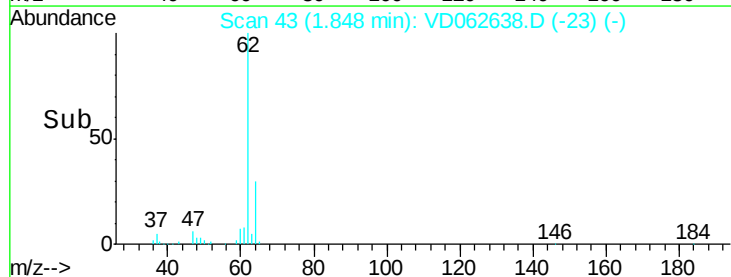
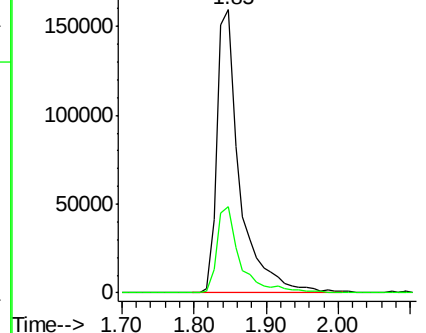
62 100

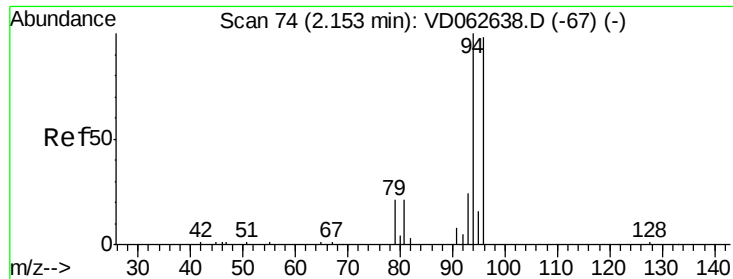
64 30.3 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.229 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

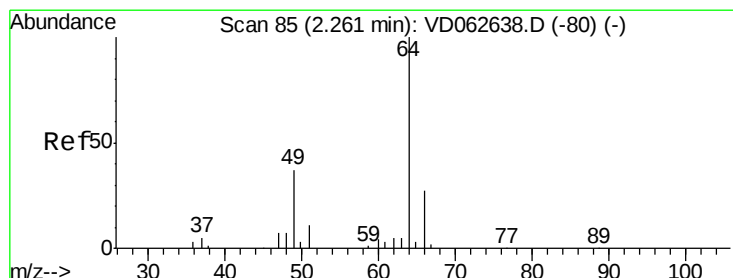
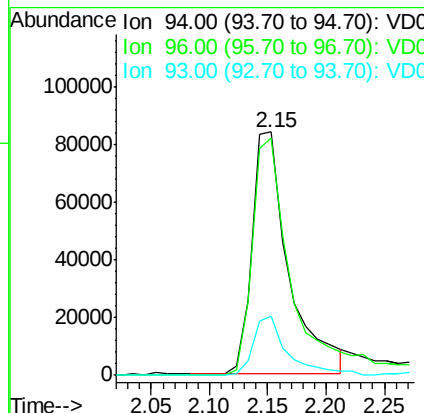
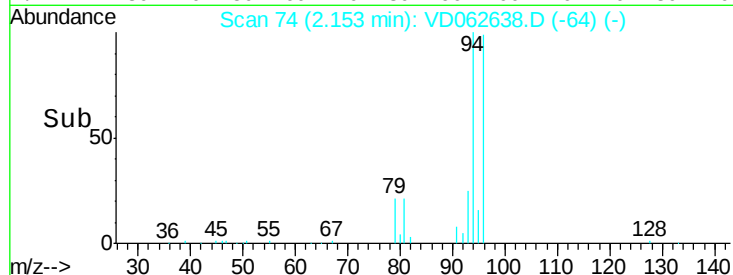
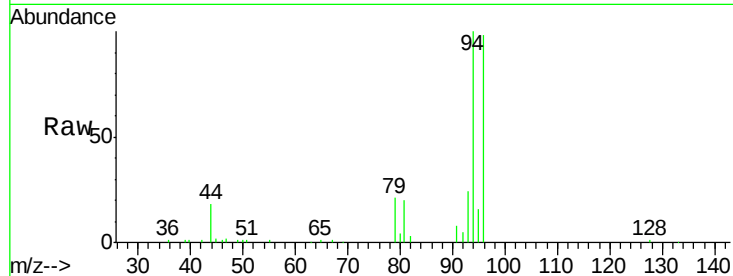
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
94	100		
96	97.6	78.1	117.1
93	24.5	19.6	29.4

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#6

Chloroethane

Concen: 48.655 ug/l

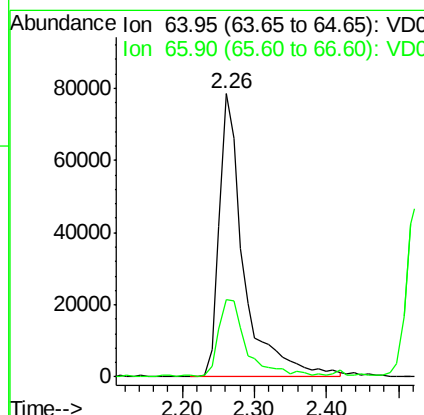
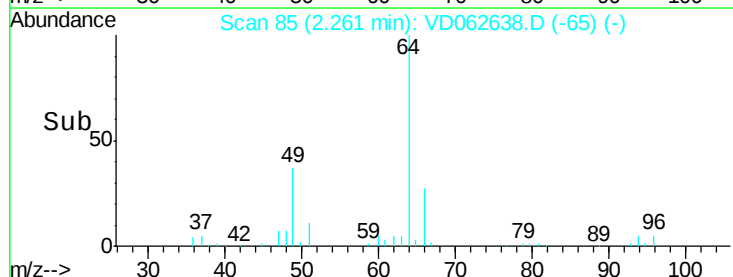
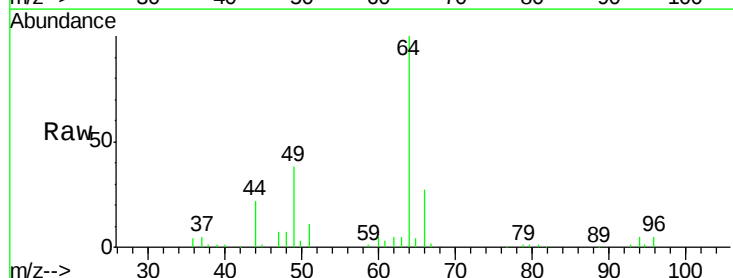
RT: 2.26 min Scan# 85

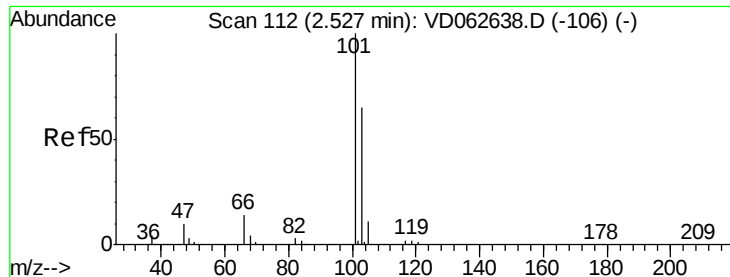
Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
64	100		
66	27.4	21.9	32.9





#7

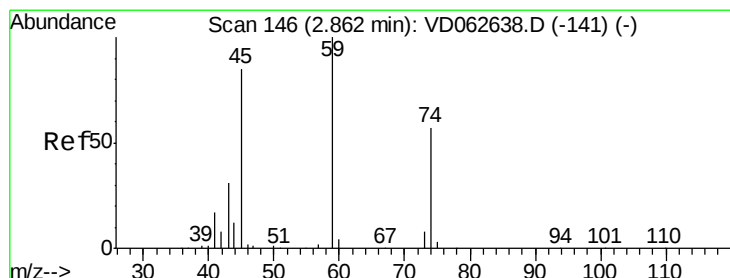
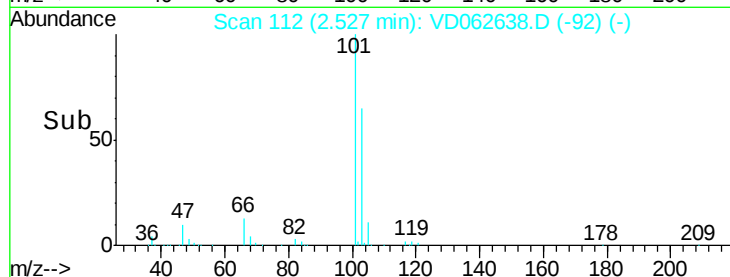
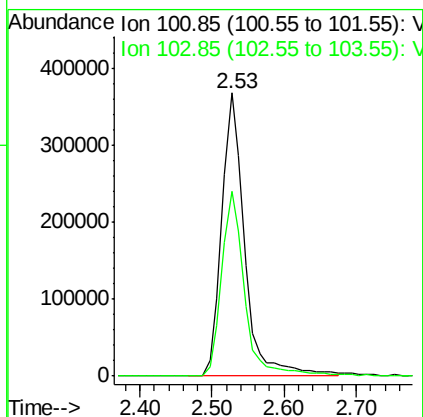
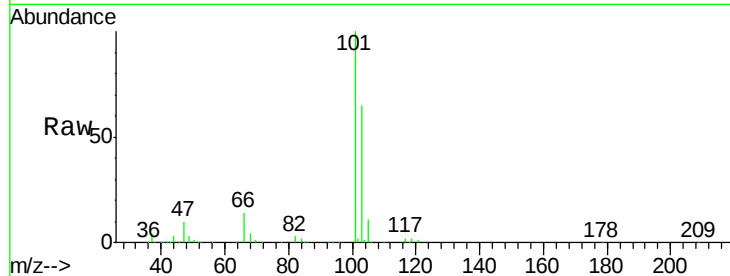
Trichlorofluoromethane
Concen: 48.738 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

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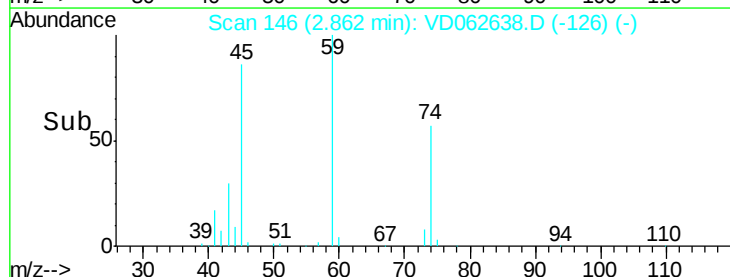
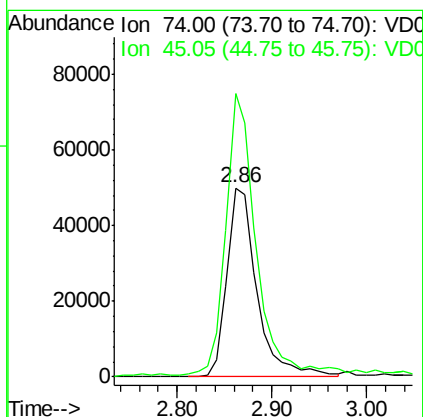
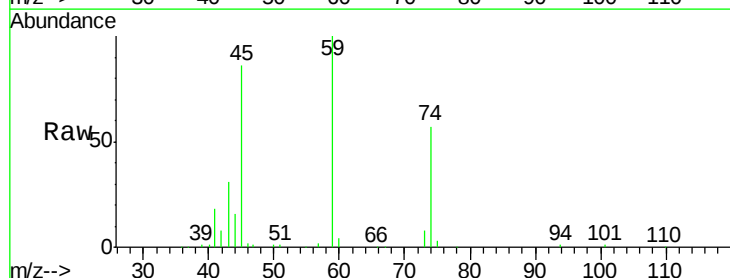
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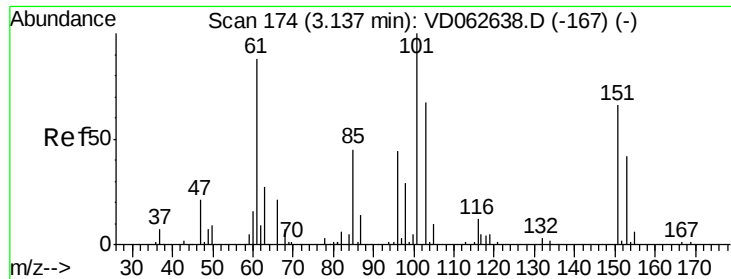


#8

Diethyl Ether
Concen: 48.610 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.8	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.915 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

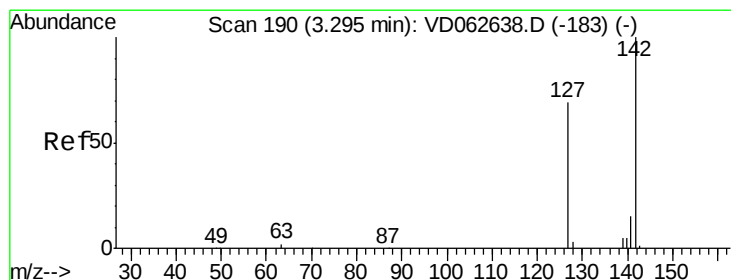
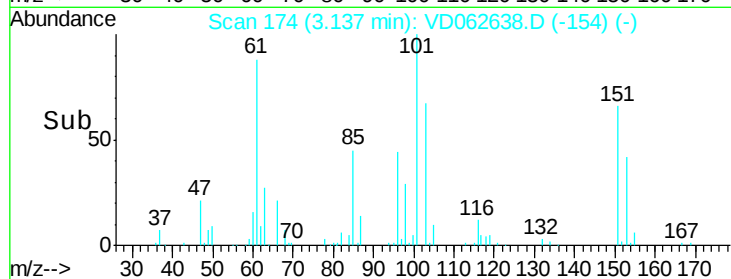
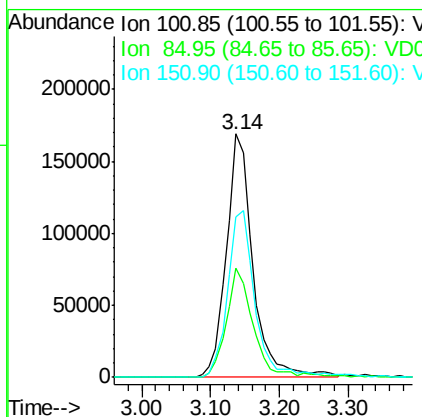
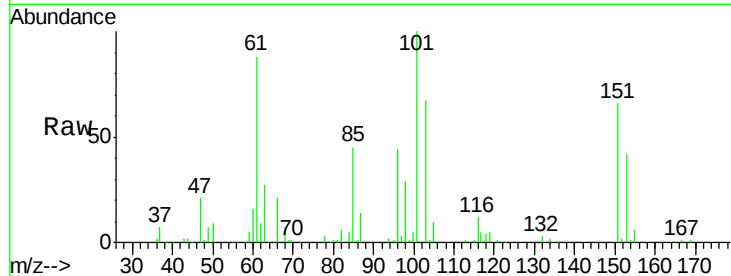
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	452271
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	65.8	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.508 ug/l

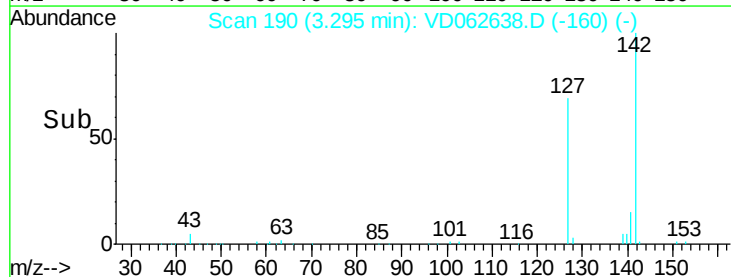
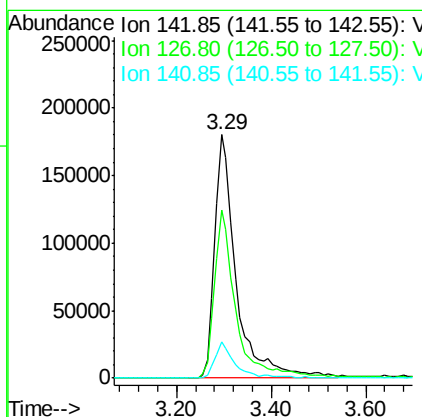
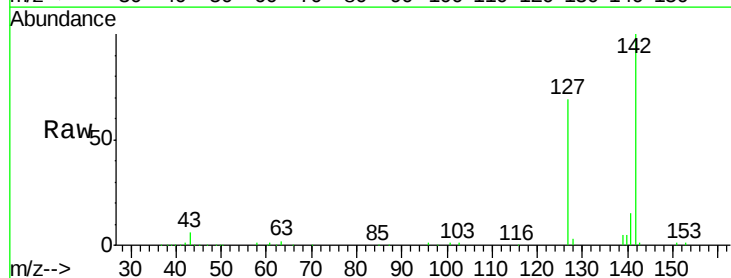
RT: 3.29 min Scan# 190

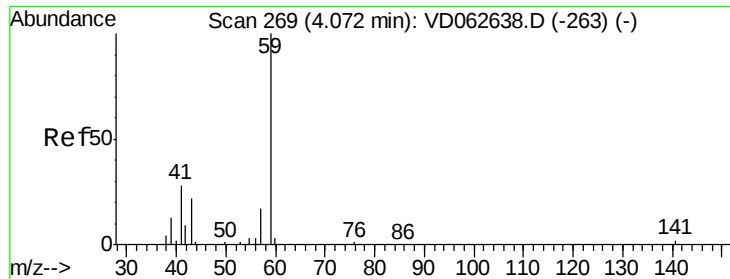
Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion:	142	Resp:	571783
Ion Ratio	Lower	Upper	
142	100		
127	69.0	55.2	82.8
141	15.1	12.1	18.1





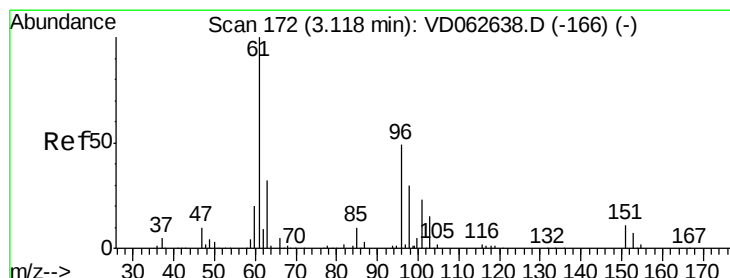
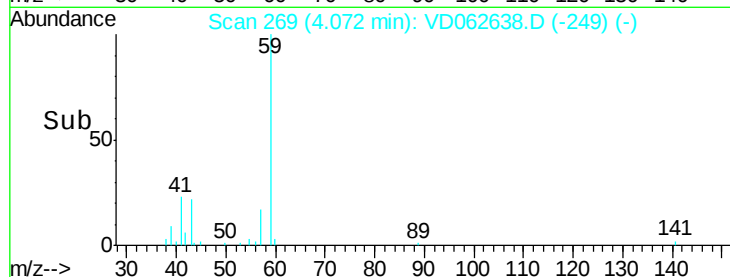
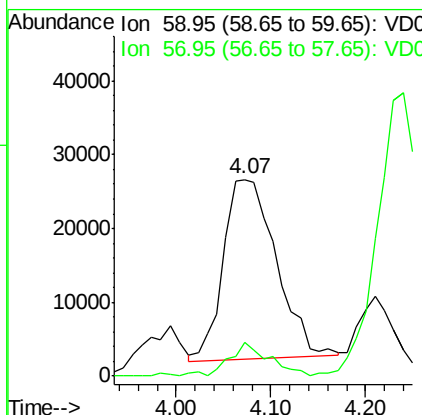
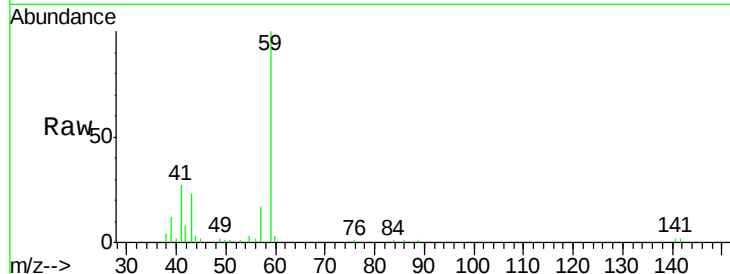
#11
Tert butyl alcohol
Concen: 206.212 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 93805
Ion Ratio Lower Upper
59 100
57 17.1 13.7 20.5

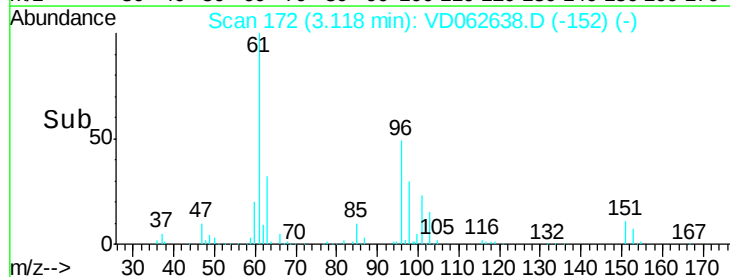
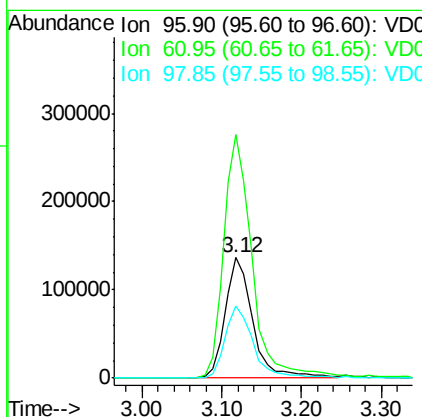
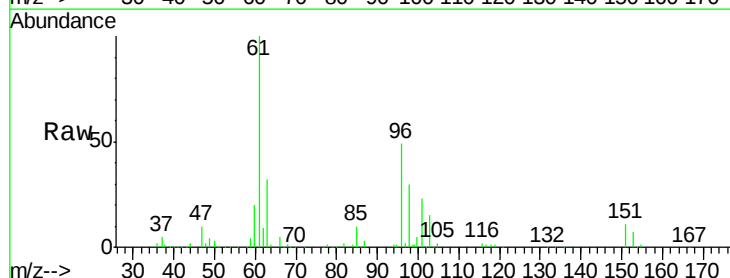
Manual Integrations
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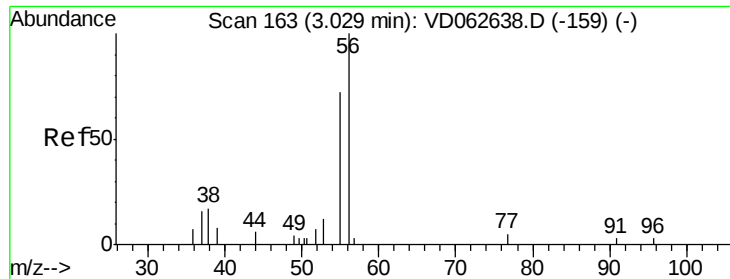
MMDadoda
6/11/2019 2:17:21 AM



#12
1,1-Dichloroethene
Concen: 51.909 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 96 Resp: 334424
Ion Ratio Lower Upper
96 100
61 202.3 161.8 242.8
98 60.3 48.2 72.4





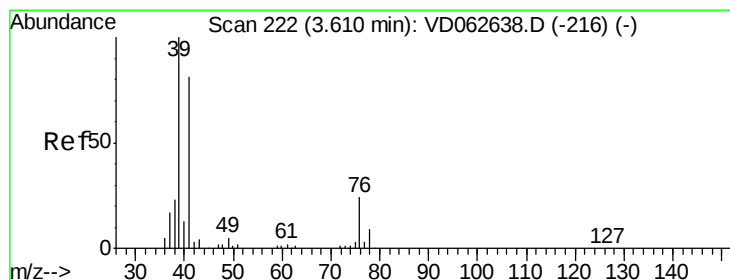
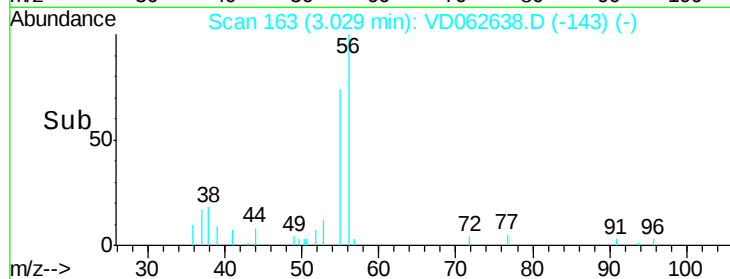
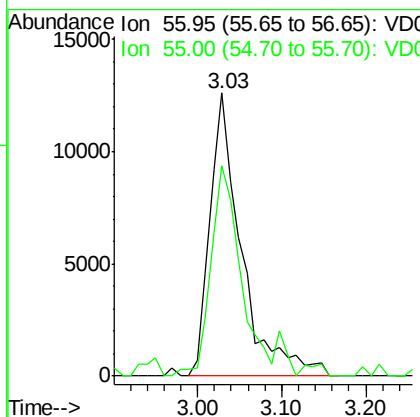
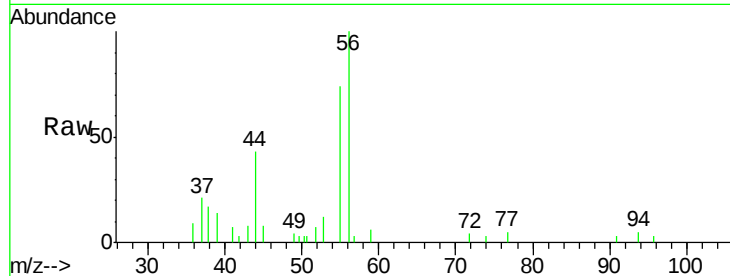
#13
Acrolein
Concen: 259.545 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	32630
Ion Ratio	100	Lower	Upper
55	74.2	59.4	89.0

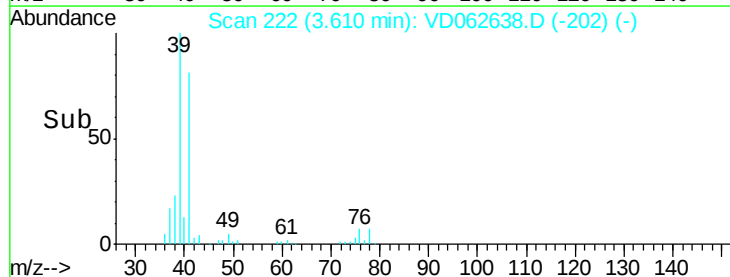
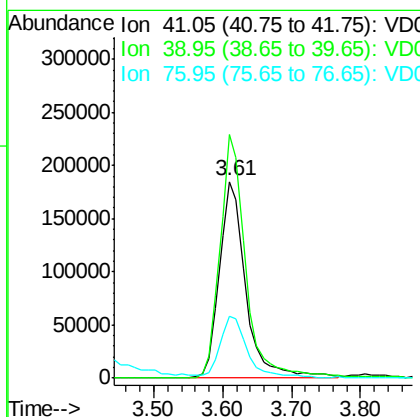
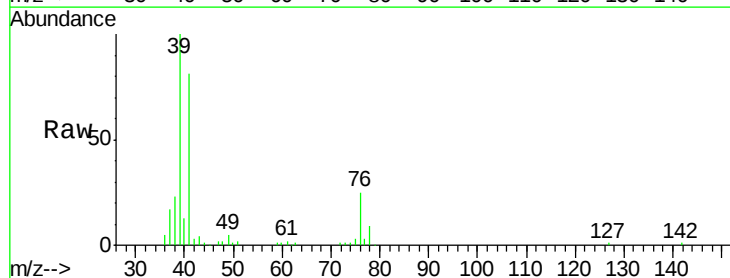
Manual Integrations
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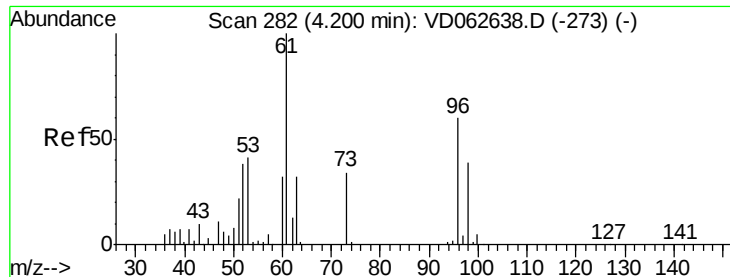
MMDadoda
6/11/2019 2:17:21 AM



#14
Allyl chloride
Concen: 49.770 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	41	Resp	492968
Ion Ratio	100	Lower	Upper
39	123.9	99.1	148.7
76	31.3	25.0	37.6





#15

Acrylonitrile

Concen: 241.933 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

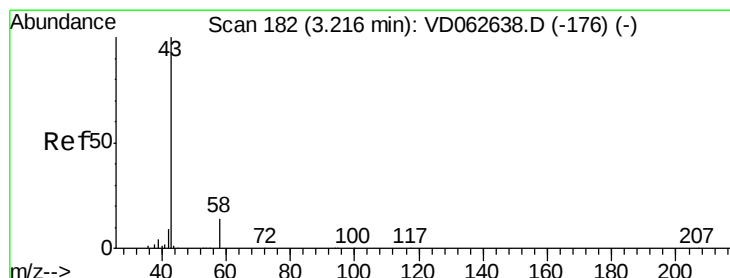
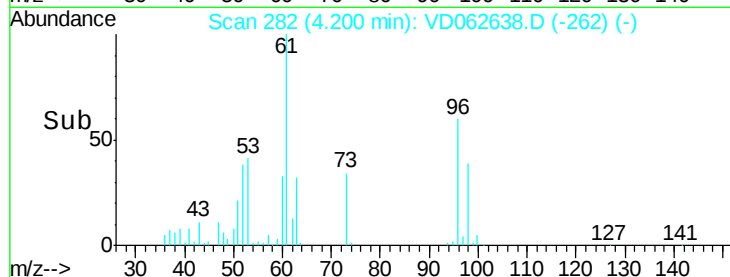
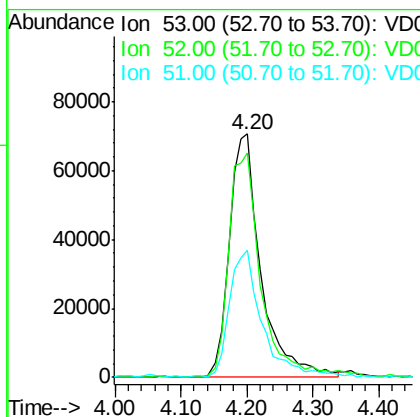
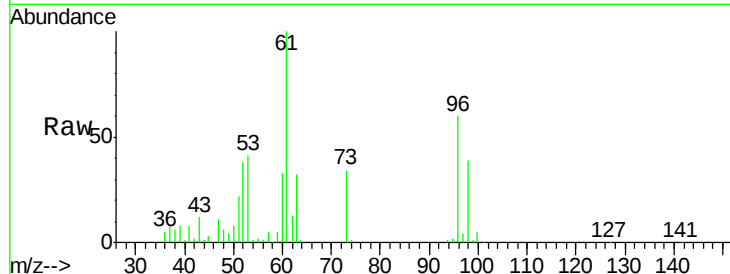
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	238267
Ion	Ratio	Lower	Upper
53	100		
52	92.0	73.6	110.4
51	52.5	42.0	63.0

Manual Integrations
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MMDadoda
6/11/2019 2:17:21 AM



#16

Acetone

Concen: 263.792 ug/l

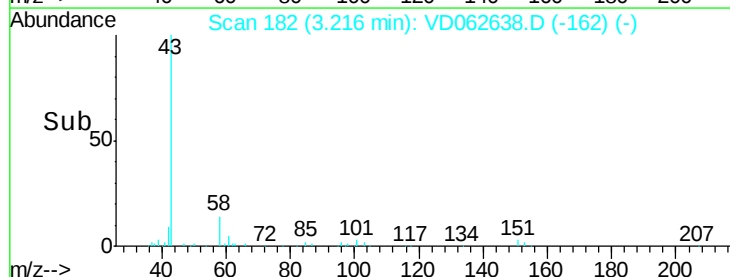
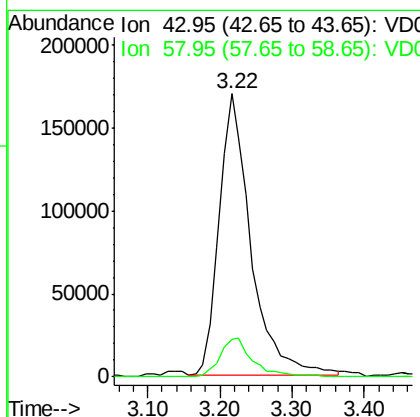
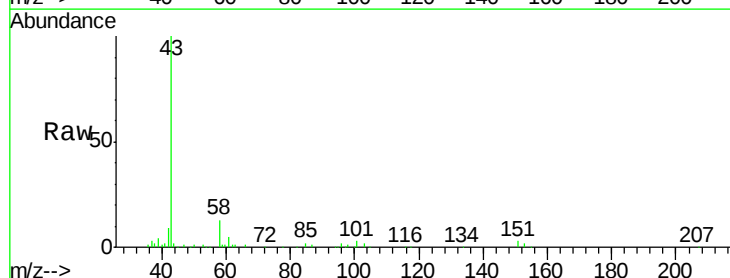
RT: 3.22 min Scan# 182

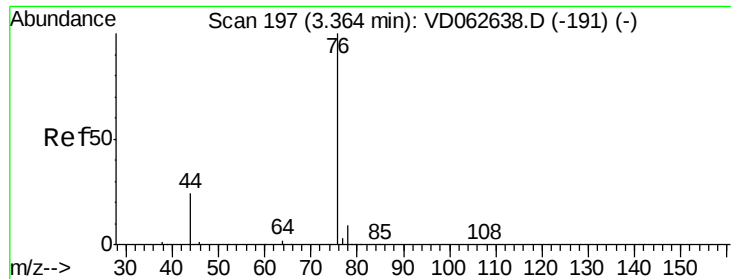
Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion:	43	Resp:	513742
Ion	Ratio	Lower	Upper
43	100		
58	13.5	10.8	16.2





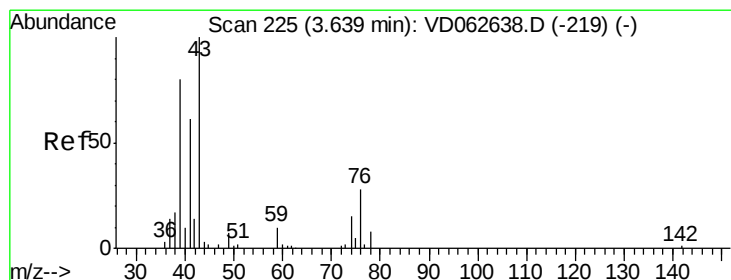
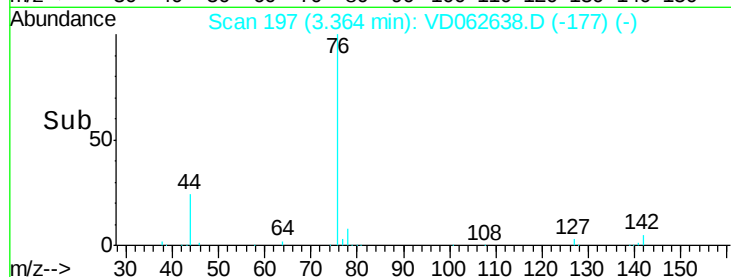
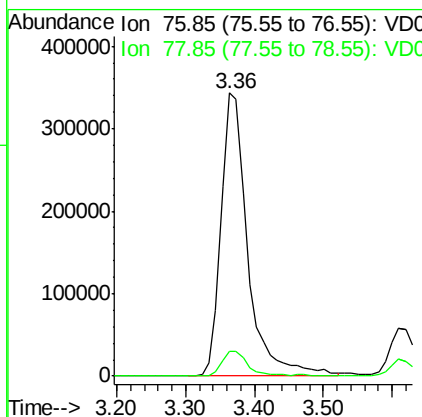
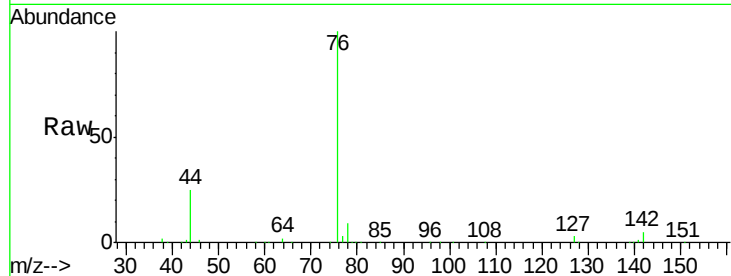
#17
Carbon Disulfide
Concen: 48.212 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

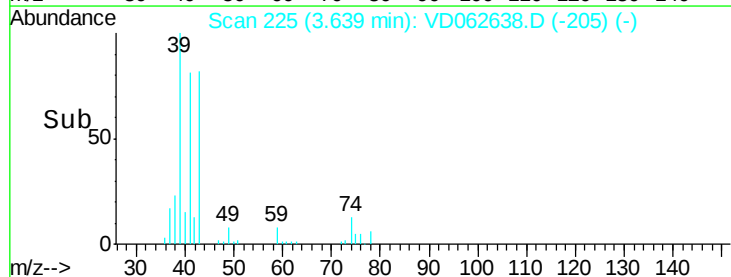
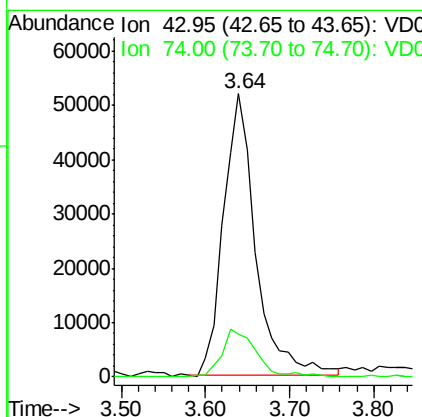
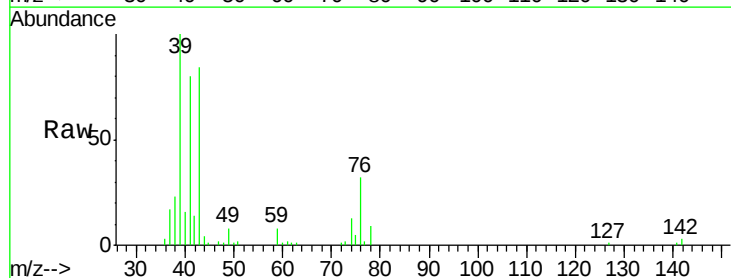
Manual Integrations
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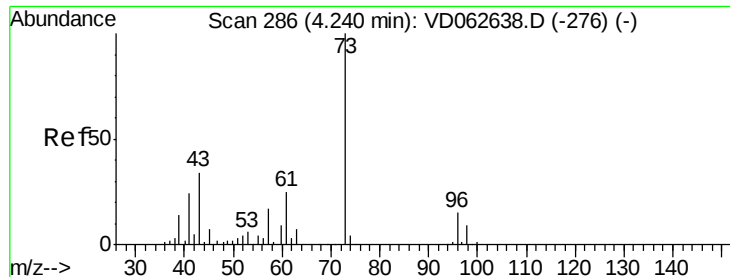
MMDadoda
6/11/2019 2:17:21 AM



#18
Methyl Acetate
Concen: 43.331 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.1	12.1	18.1





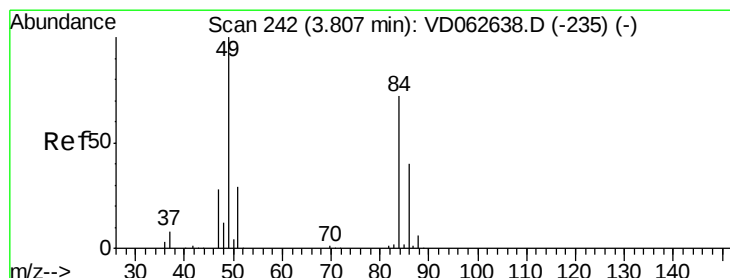
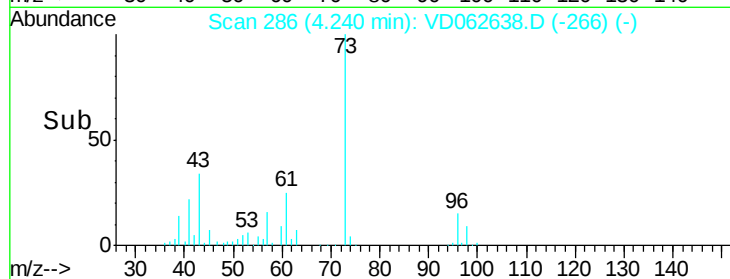
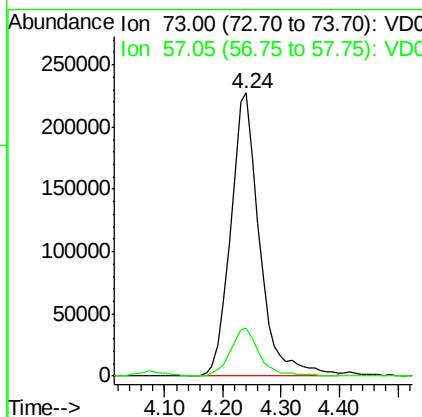
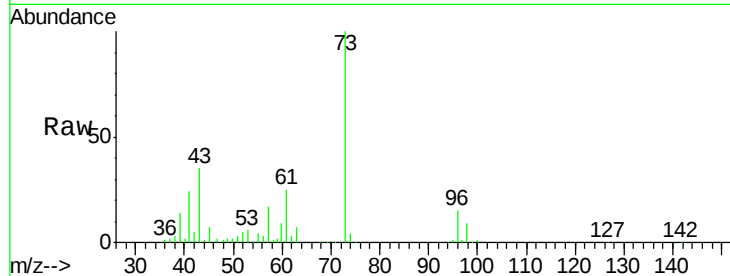
#19
Methyl tert-butyl Ether
Concen: 49.310 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 783418
Ion Ratio Lower Upper
73 100
57 16.9 13.5 20.3

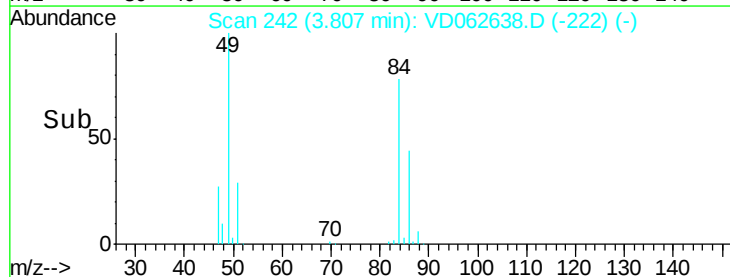
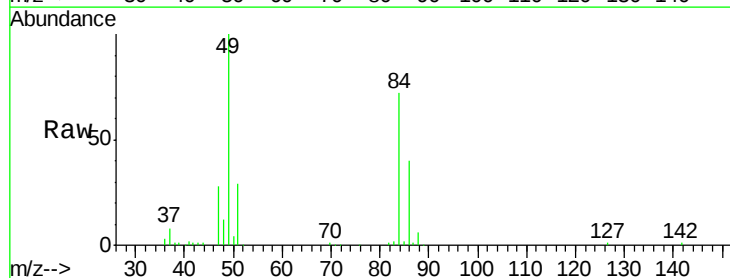
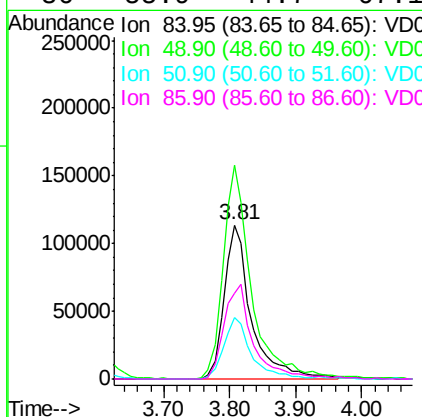
Manual Integrations
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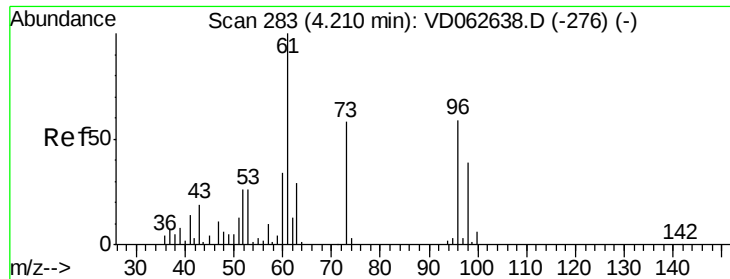
MMDadoda
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#20
Methylene Chloride
Concen: 45.351 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 84 Resp: 329383
Ion Ratio Lower Upper
84 100
49 139.0 111.2 166.8
51 39.9 31.9 47.9
86 55.9 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 45.546 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 328682

Ion Ratio Lower Upper

96 100

61 168.2 134.6 201.8

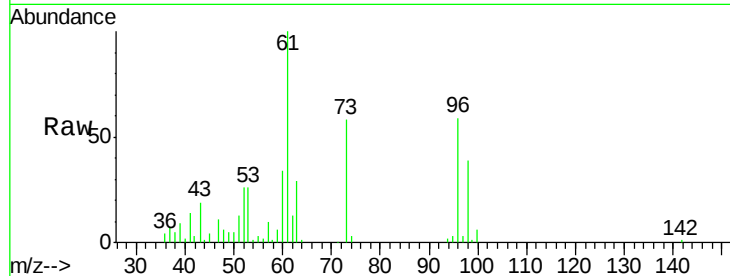
98 64.8 51.8 77.8

Manual Integrations

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MMDadoda

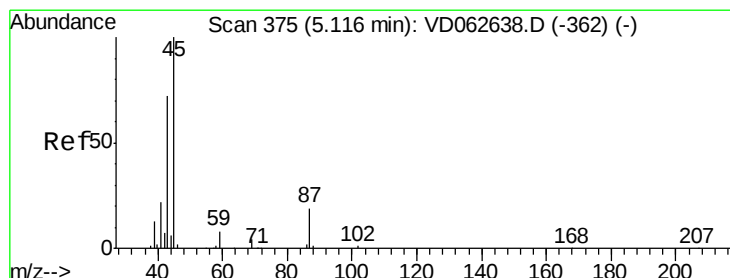
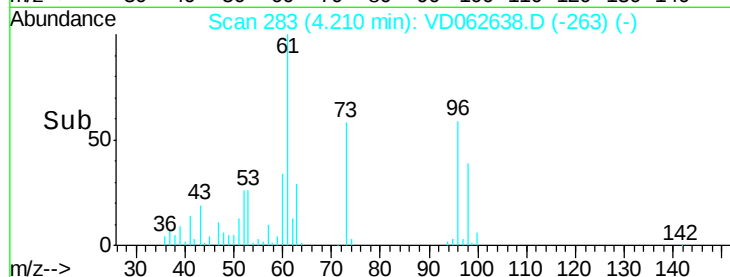
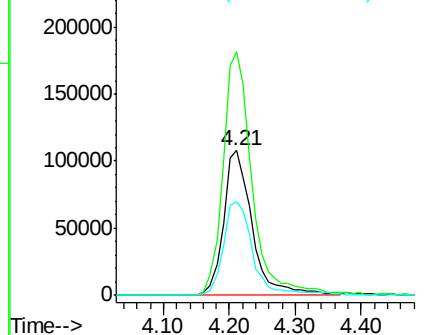
6/11/2019 2:17:21 AM



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: 49.585 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion: 45 Resp: 1005244

Ion Ratio Lower Upper

45 100

43 73.5 58.8 88.2

87 19.6 15.7 23.5

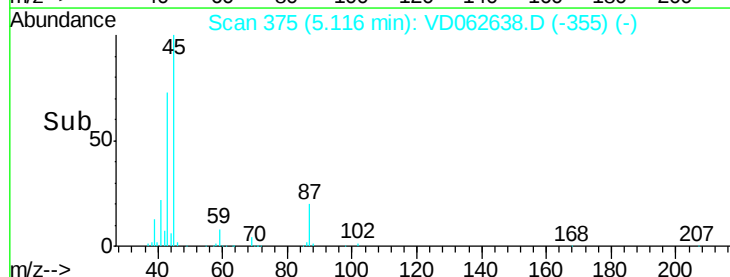
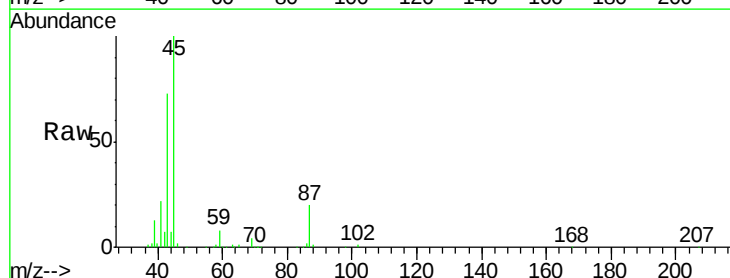
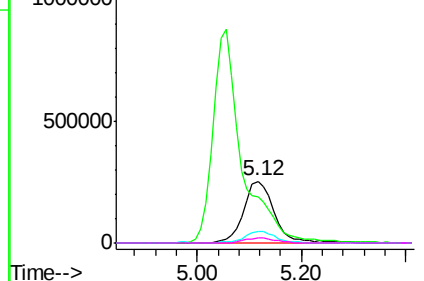
59 8.2 6.6 9.8

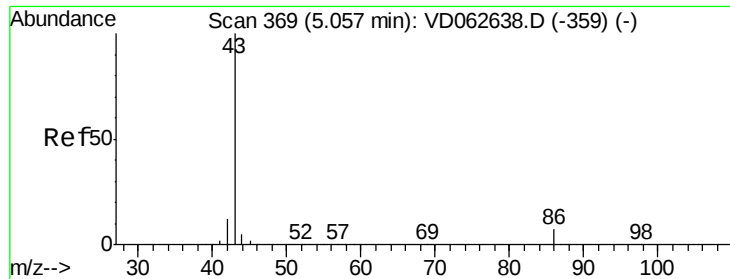
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 260.761 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3335719

Ion Ratio Lower Upper

43 100

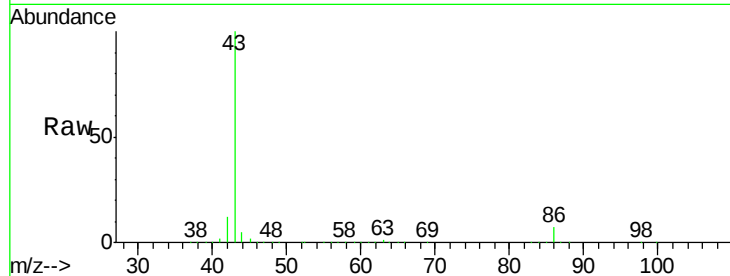
86 6.6 5.3 7.9

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

800000

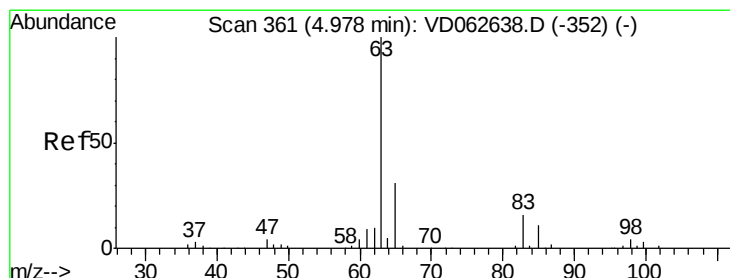
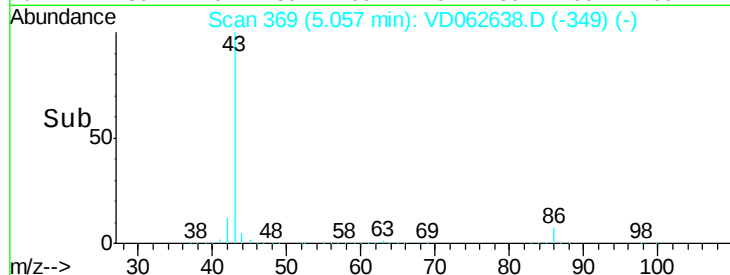
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.246 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

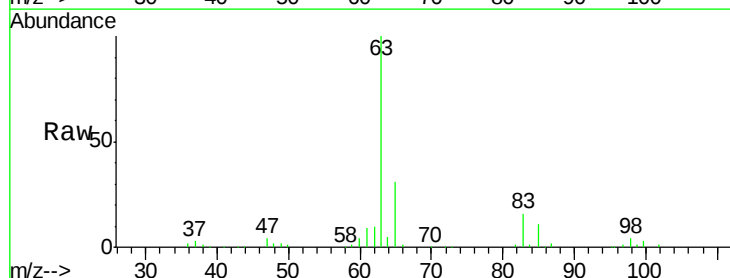
Tgt Ion: 63 Resp: 645851

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.9 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

4.98

200000

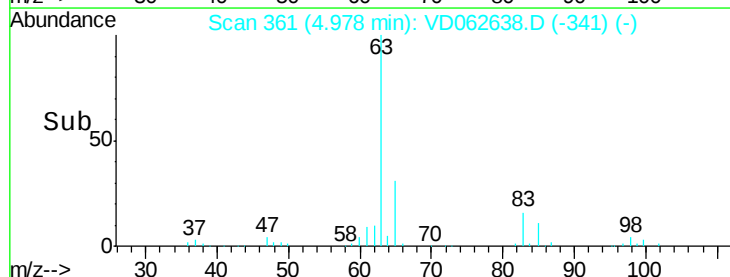
150000

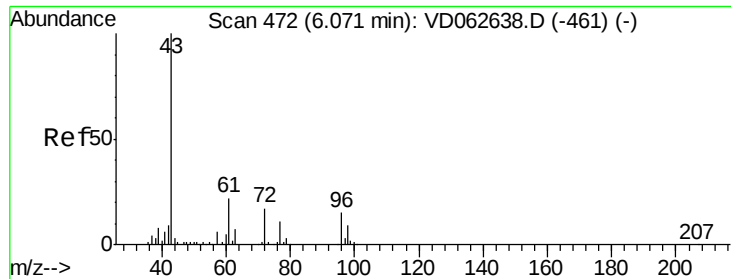
100000

50000

0

Time-->





#25

2-Butanone

Concen: 255.317 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 484657

Ion Ratio Lower Upper

43 100

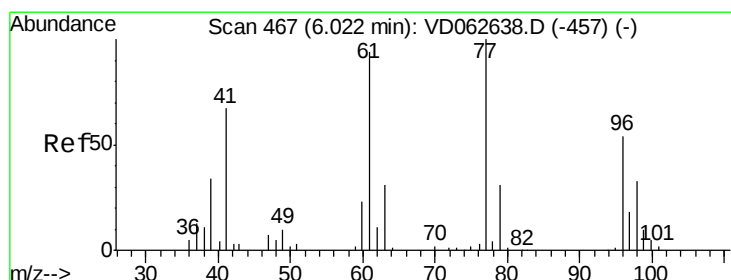
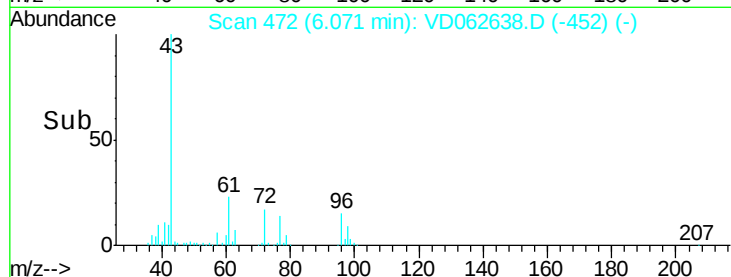
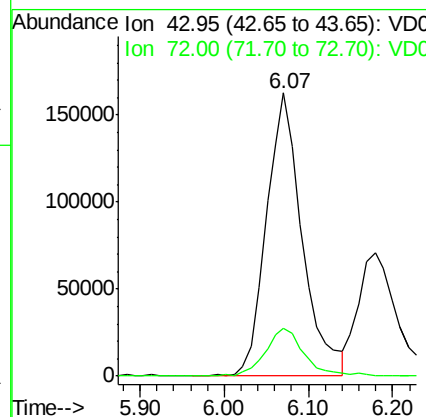
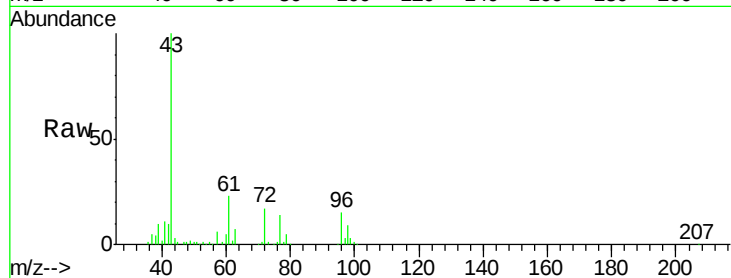
72 16.9 13.5 20.3

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#26

2,2-Dichloropropane

Concen: 47.087 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062638.D

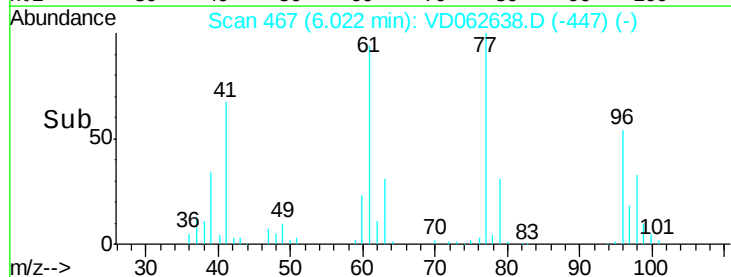
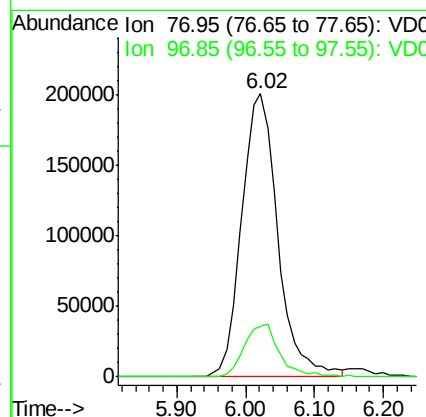
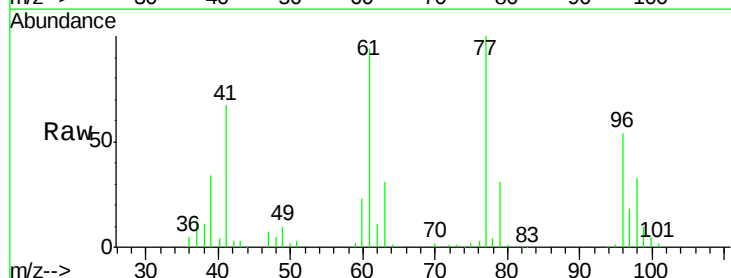
Acq: 7 Jun 2019 12:14

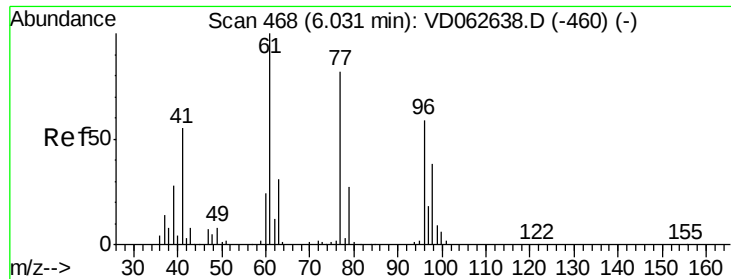
Tgt Ion: 77 Resp: 729218

Ion Ratio Lower Upper

77 100

97 17.7 8.8 26.5





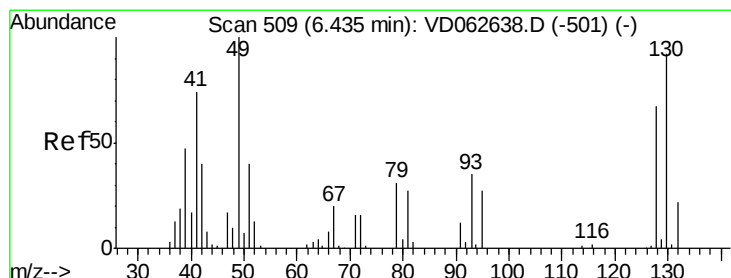
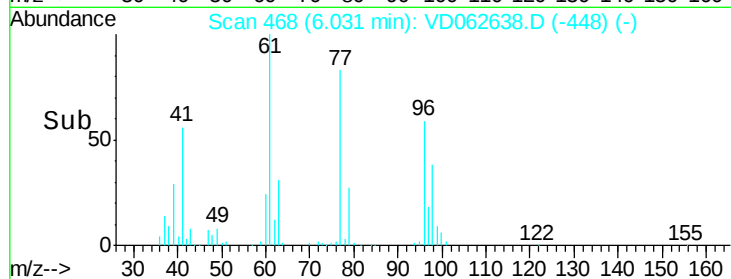
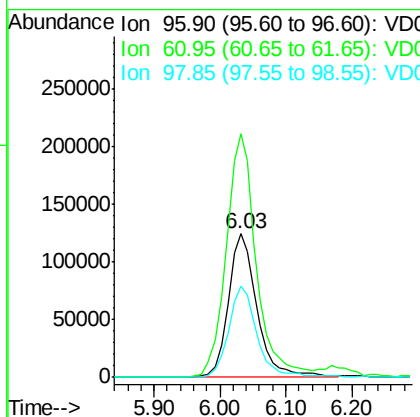
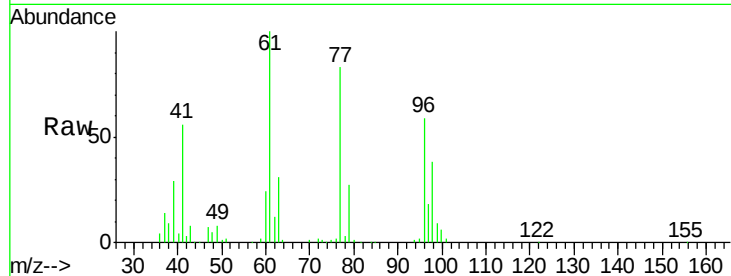
#27
 cis-1,2-Dichloroethene
 Concen: 49.355 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.0	0.0	340.0
98	63.8	0.0	127.6

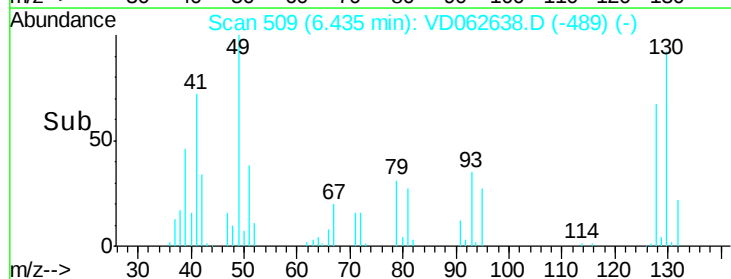
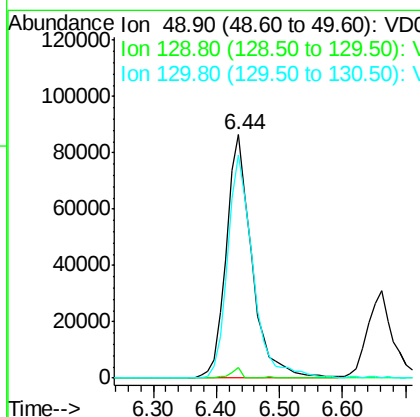
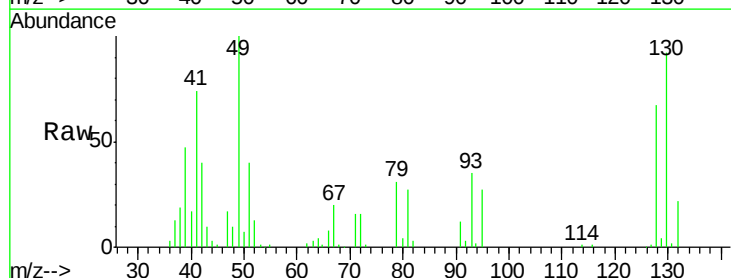
Manual Integrations
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#28
 Bromochloromethane
 Concen: 50.776 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.1	0.0	8.2
130	91.7	73.4	110.0





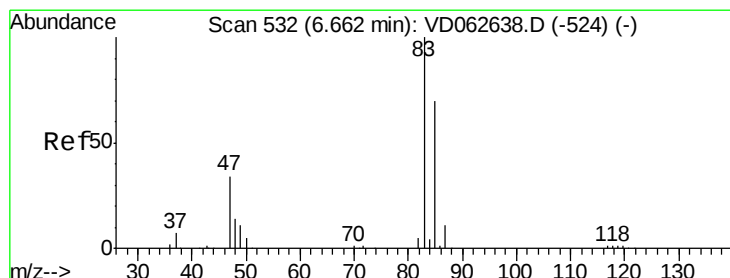
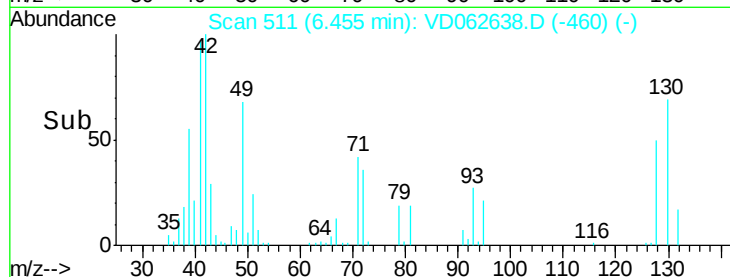
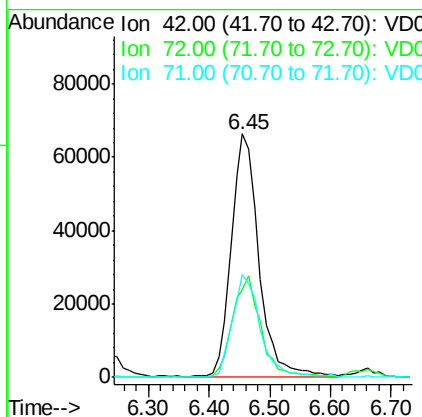
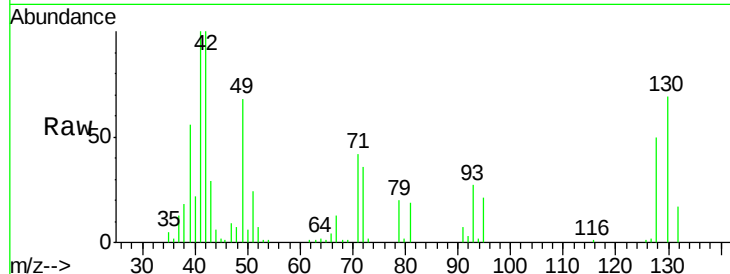
#29
Tetrahydrofuran
Concen: 248.067 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	42.8	34.2	51.4

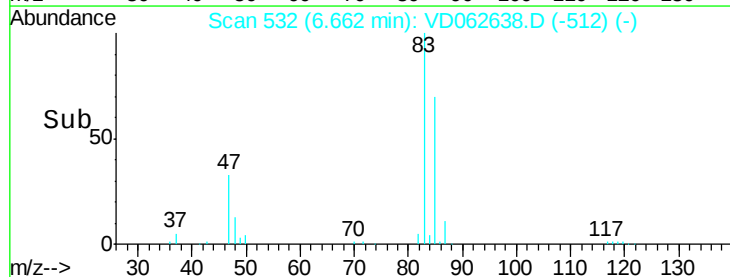
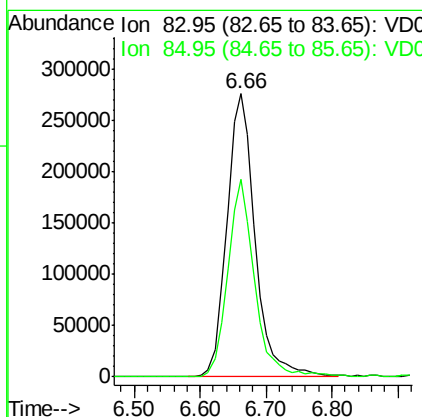
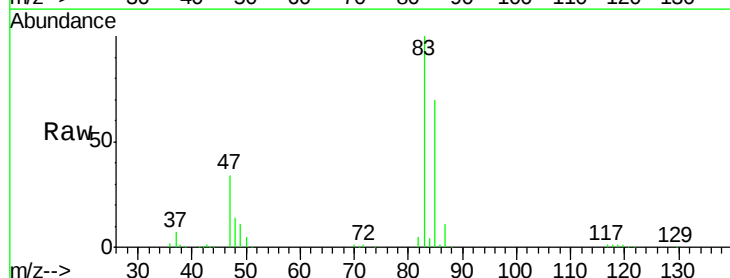
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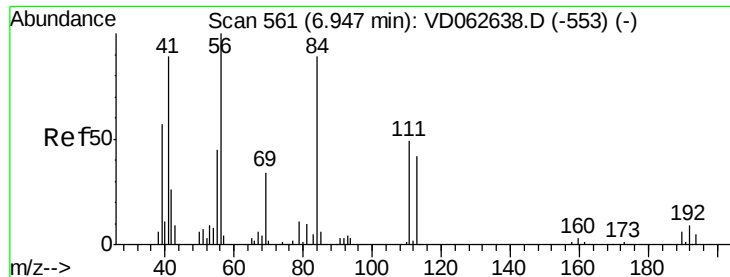
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#30
Chloroform
Concen: 48.236 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	55.8	83.6





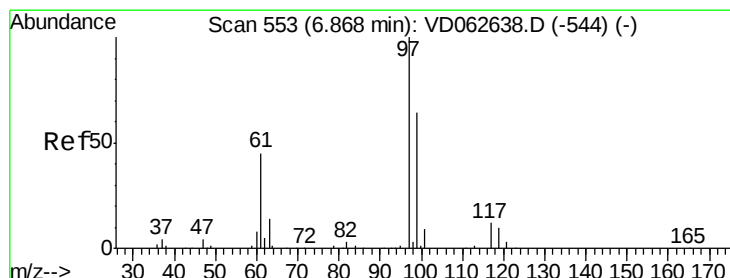
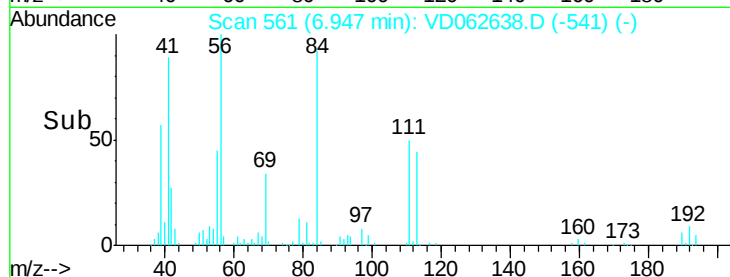
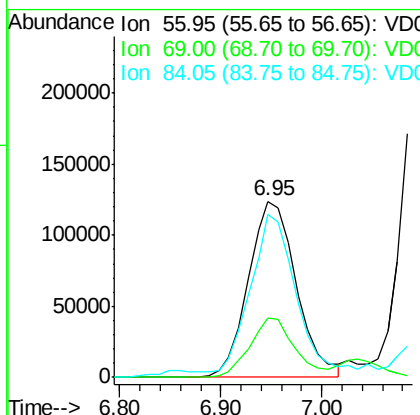
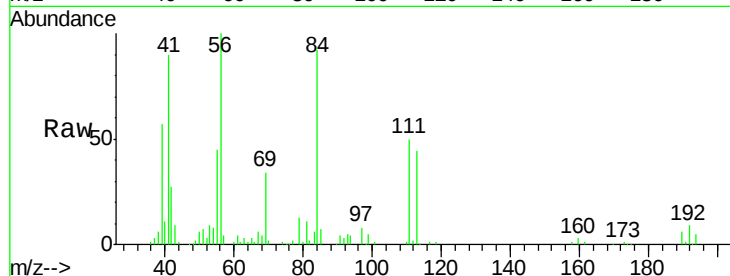
#31
Cvclohexane
Concen: 49.872 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	92.4	73.9	110.9

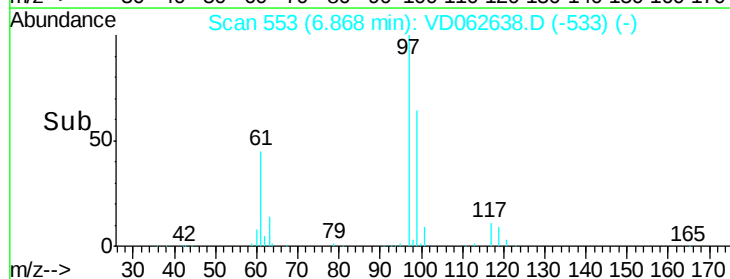
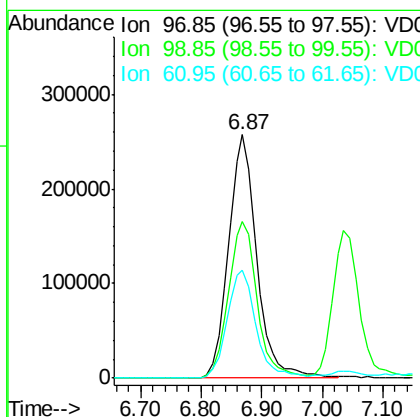
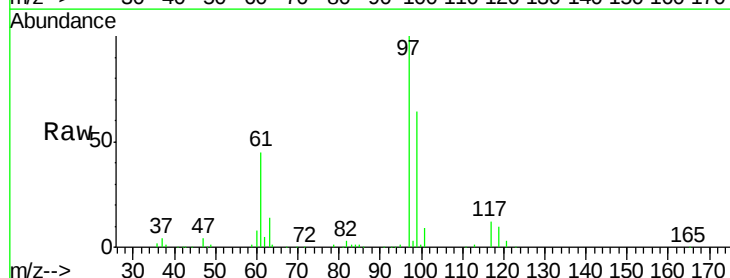
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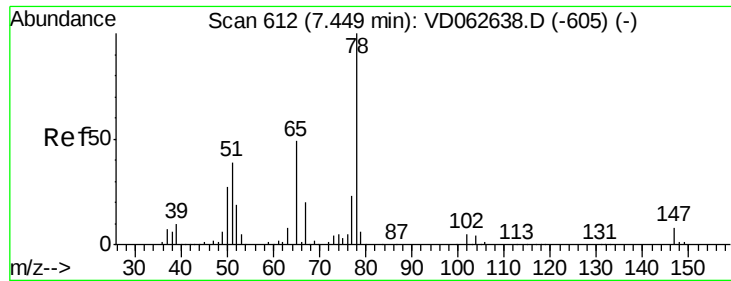
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#32
1,1,1-Trichloroethane
Concen: 47.756 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	44.5	35.6	53.4





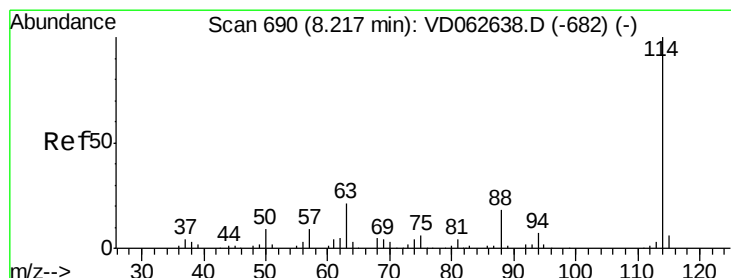
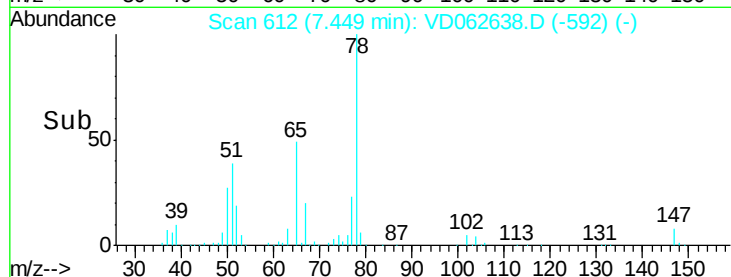
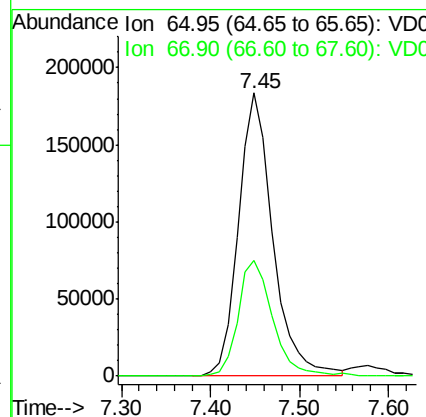
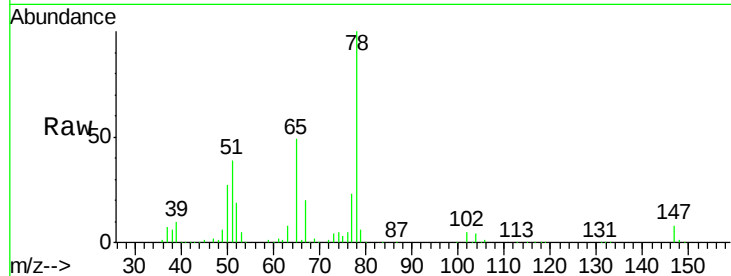
#33
 1,2-Dichloroethane-d4
 Concen: 47.059 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	40.9	0.0	81.8

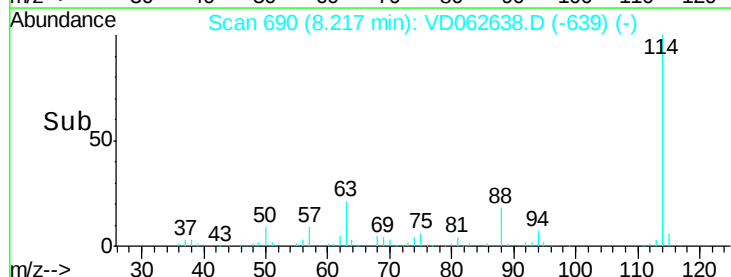
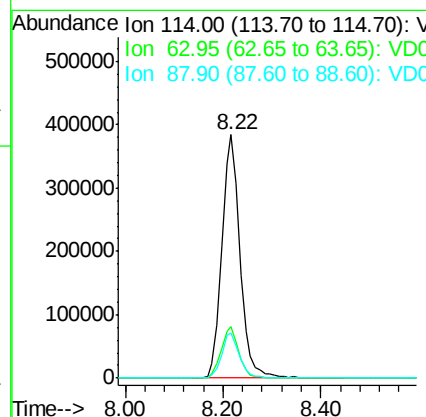
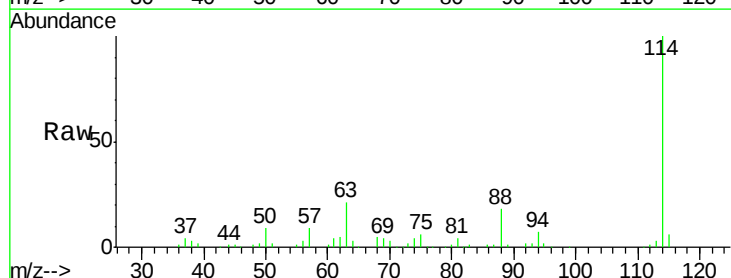
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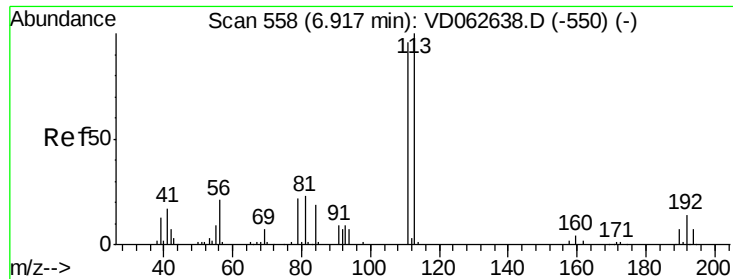
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	18.4	0.0	36.8





#35

Dibromofluoromethane

Concen: 44.465 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

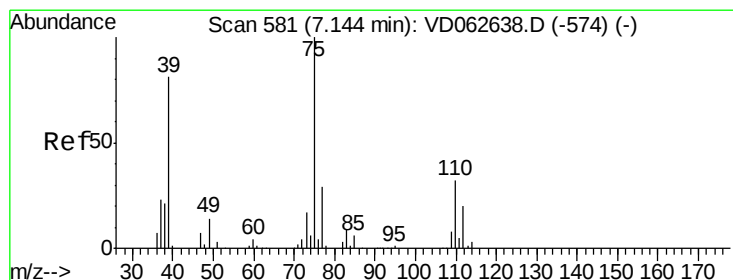
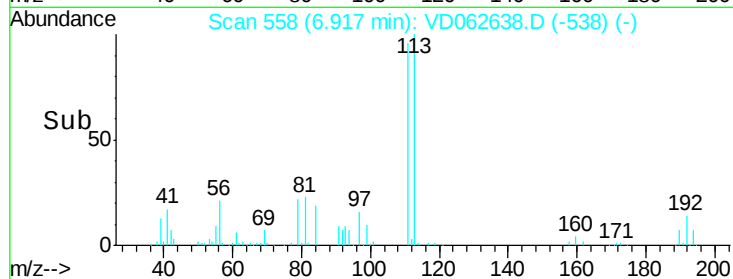
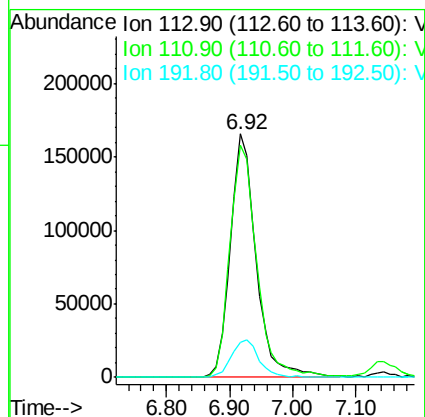
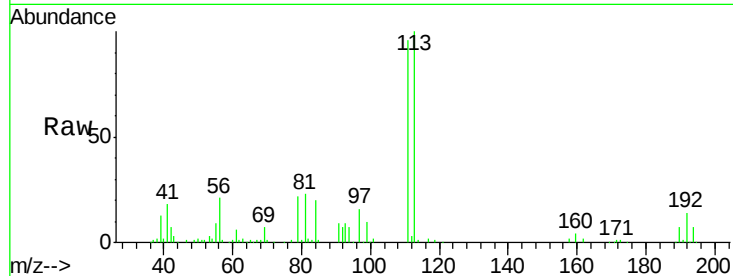
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	466719
Ion	Ratio	Lower	Upper
113	100		
111	95.5	76.4	114.6
192	14.2	11.4	17.0

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#36

1,1-Dichloropropene

Concen: 45.283 ug/l

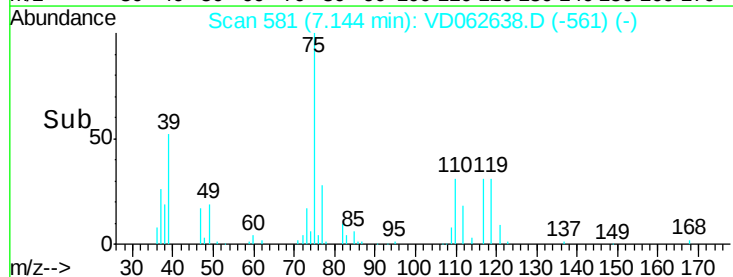
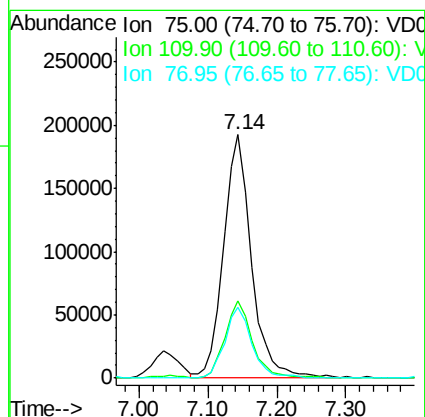
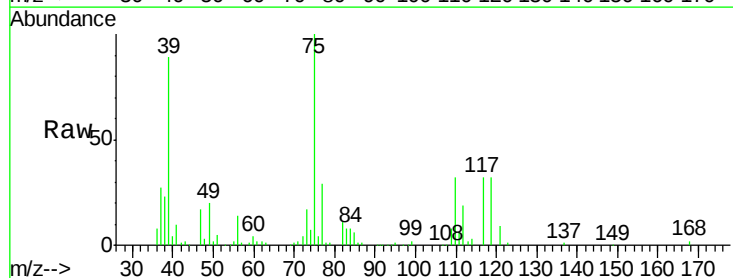
RT: 7.14 min Scan# 581

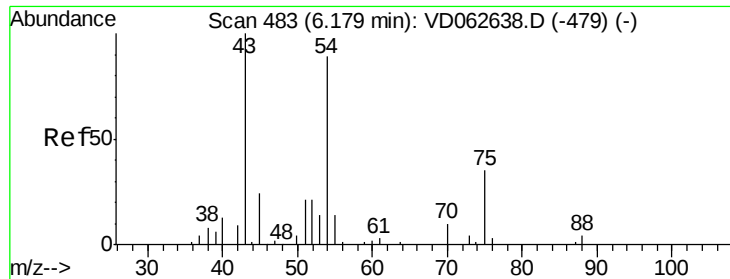
Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion:	75	Resp:	536636
Ion	Ratio	Lower	Upper
75	100		
110	31.8	15.9	47.7
77	29.1	23.3	34.9





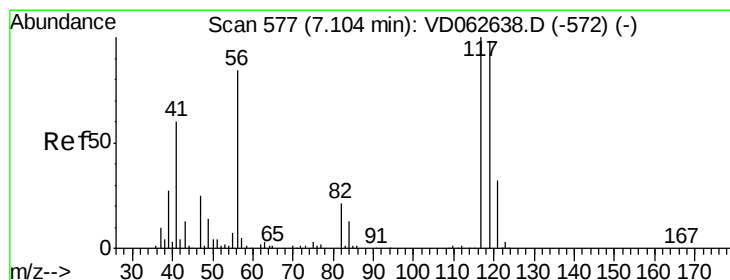
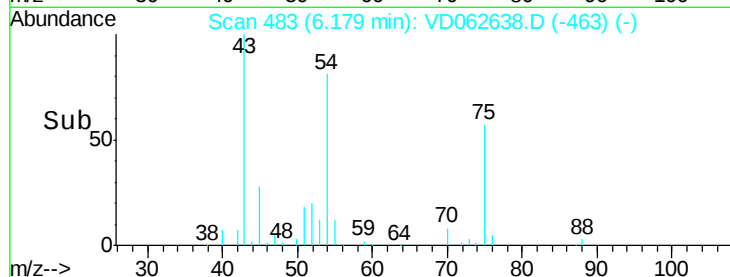
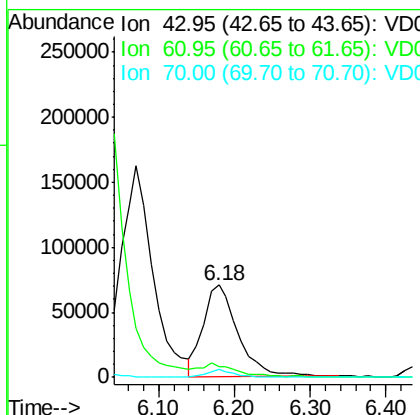
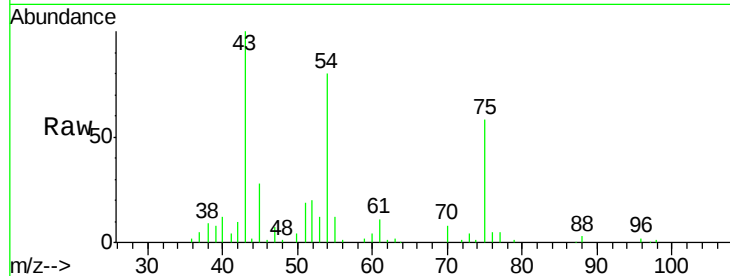
#37
Ethyl Acetate
Concen: 42.932 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	8.7	13.1
70	8.1	6.5	9.7

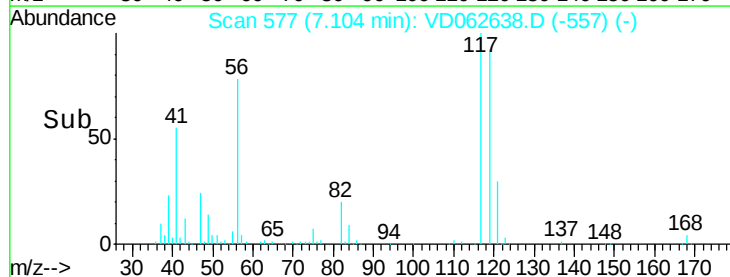
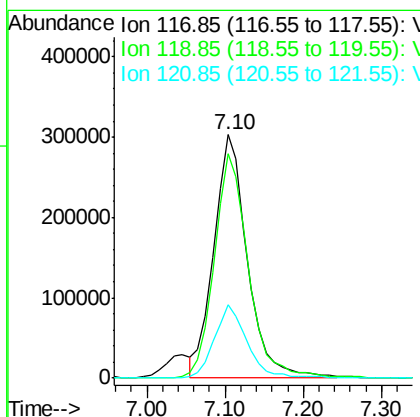
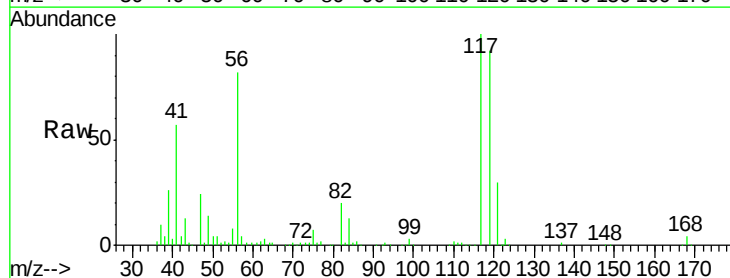
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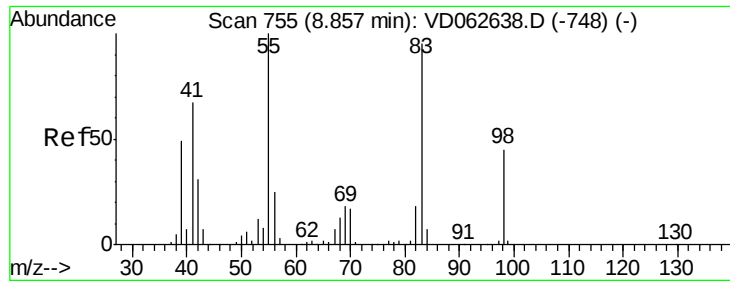
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#38
Carbon Tetrachloride
Concen: 48.332 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	73.5	110.3
121	30.3	24.2	36.4





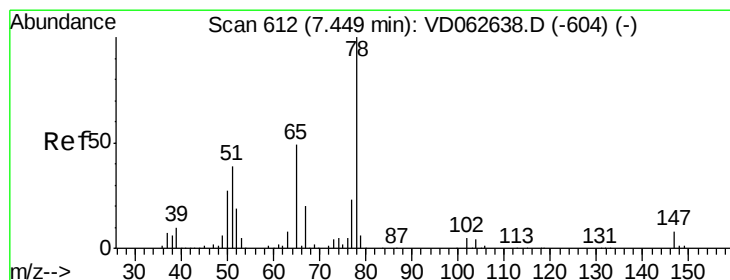
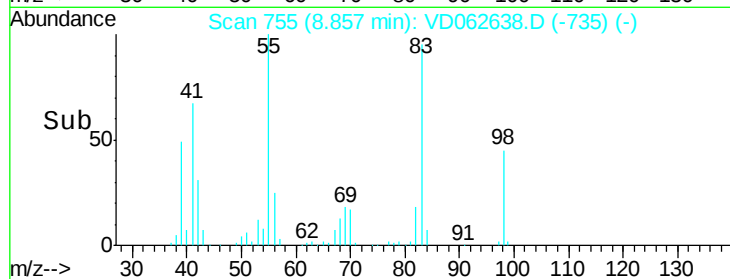
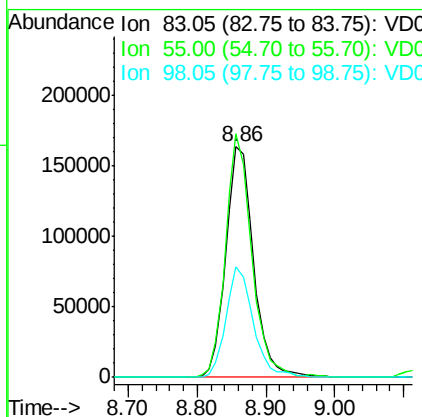
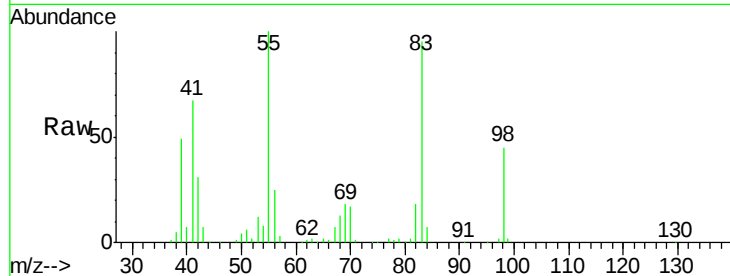
#39
Methvlcvclohexane
Concen: 48.429 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	105.8	84.6	127.0
98	47.8	38.2	57.4

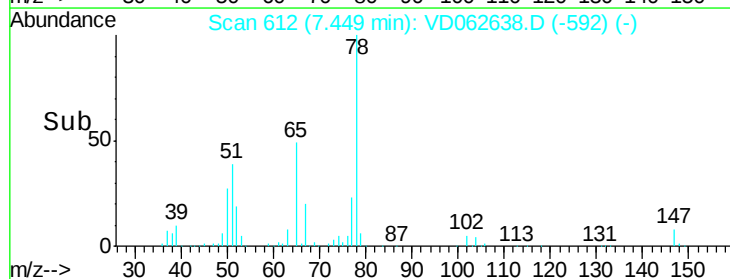
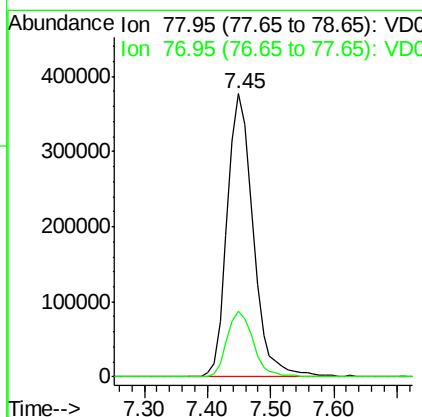
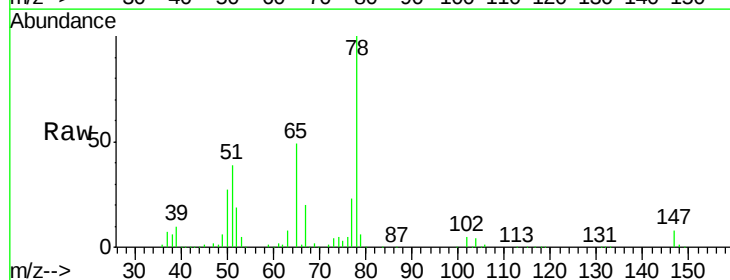
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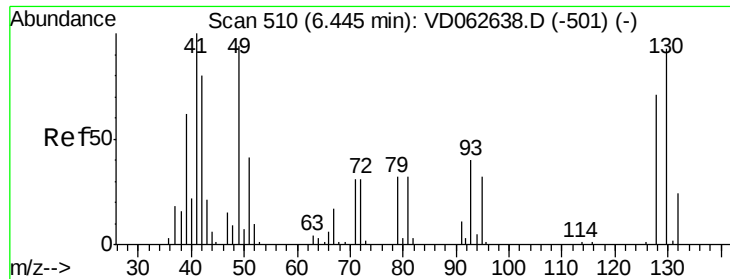
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#40
Benzene
Concen: 47.757 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





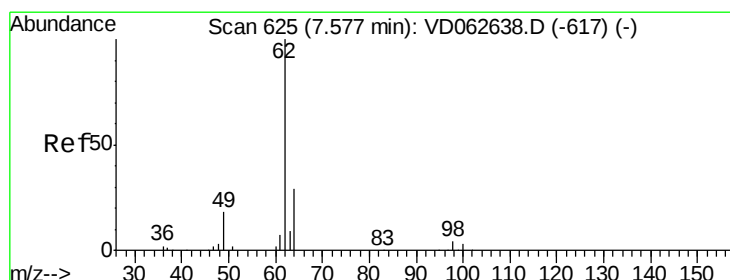
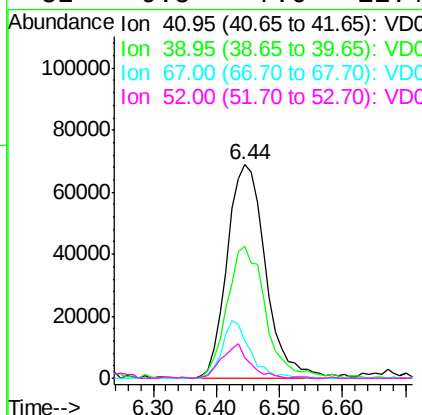
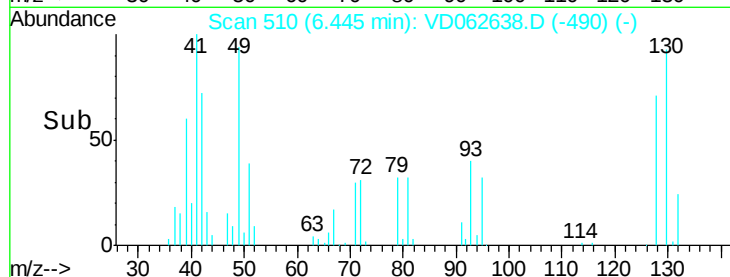
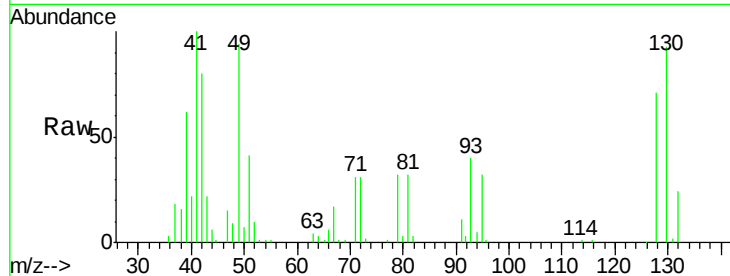
#41
Methacrylonitrile
Concen: 47.047 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		291307		
39	61.5	49.2	73.8		
67	17.4	13.9	20.9		
52	9.5	7.6	11.4		

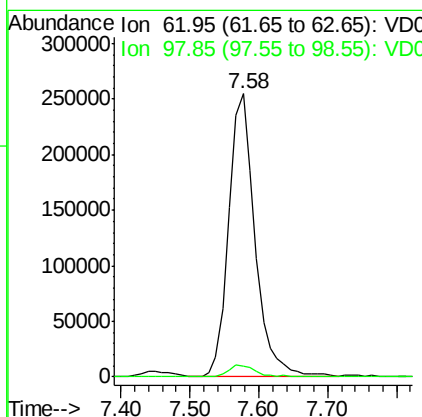
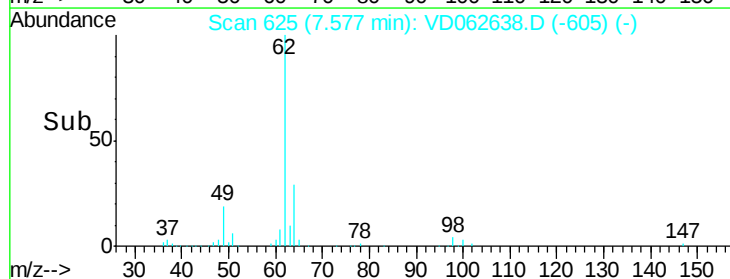
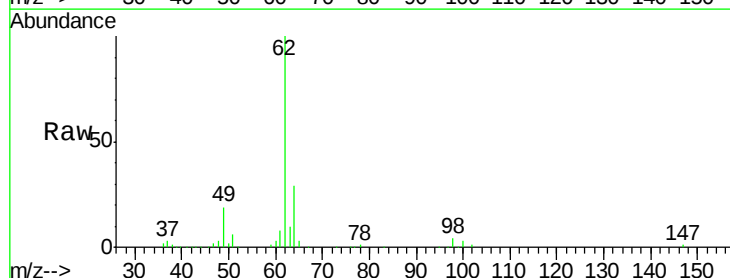
Manual Integrations
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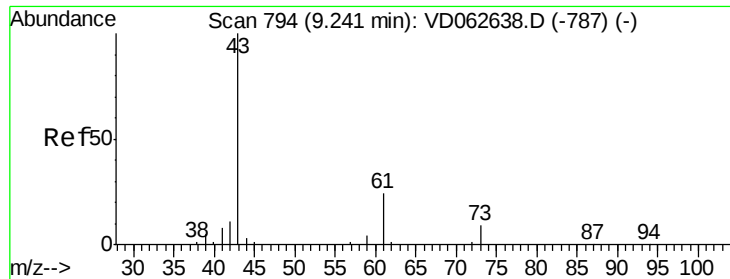
MMDadoda
6/11/2019 2:17:21 AM



#42
1,2-Dichloroethane
Concen: 49.777 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		673912		
98	3.7	0.0	7.4		





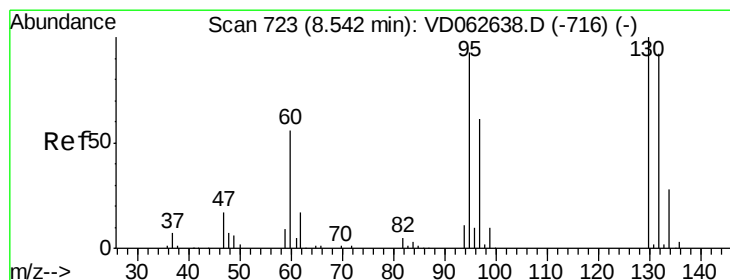
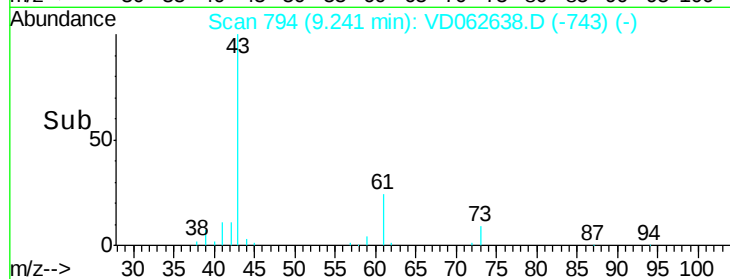
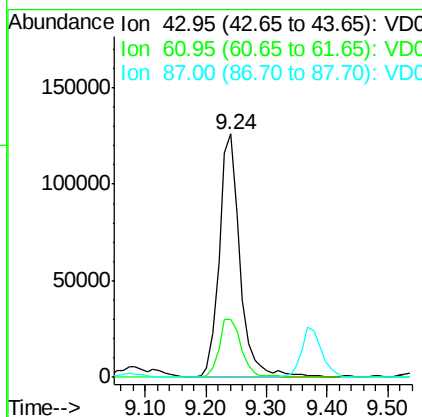
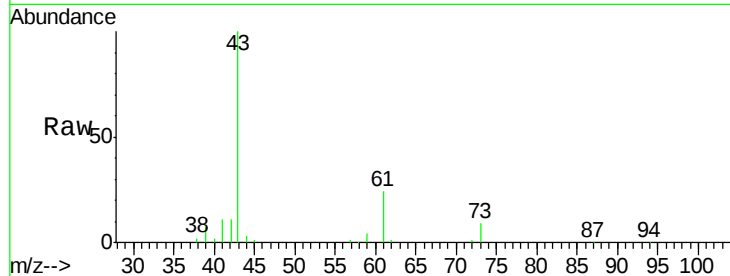
#43
Isopropyl Acetate
Concen: 49.494 ug/l
RT: 9.24 min Scan# 794
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	19.0	28.6
87	0.4	0.3	0.5

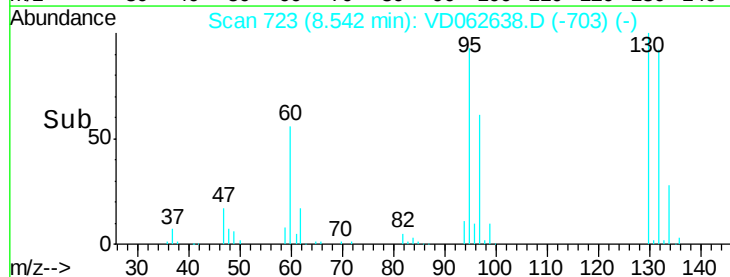
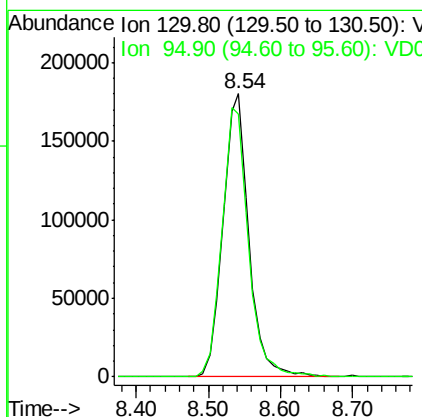
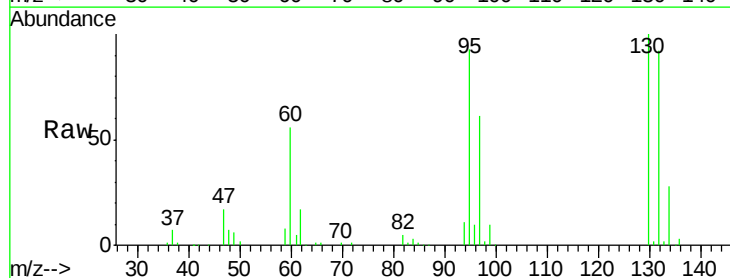
Manual Integrations
APPROVED

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6/11/2019 2:17:21 AM



#44
Trichloroethene
Concen: 47.680 ug/l
RT: 8.54 min Scan# 723
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	185.6





#45

1,2-Dichloropropane

Concen: 50.100 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 274376

Ion Ratio Lower Upper

63 100

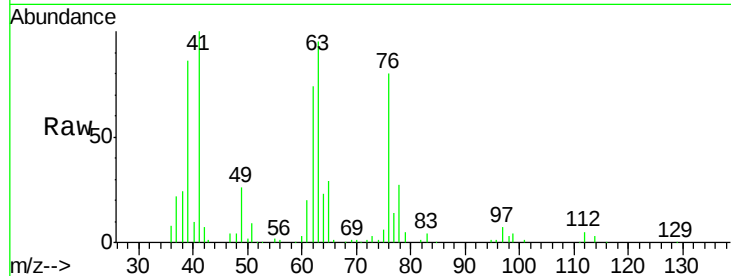
65 30.8 24.6 37.0

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

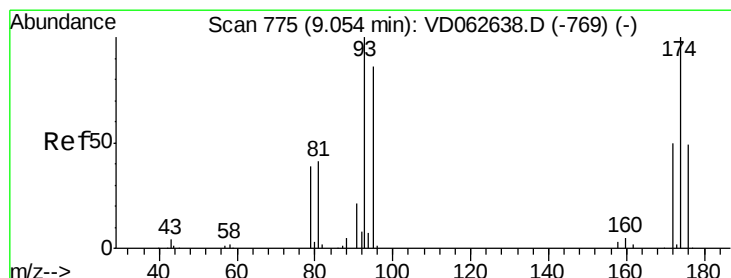
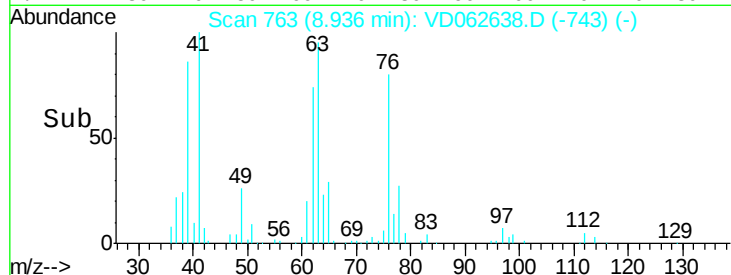
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 48.838 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

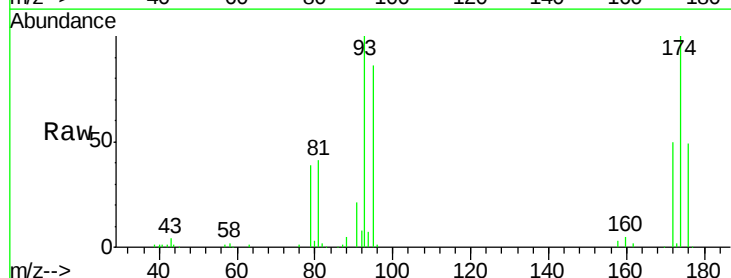
Tgt Ion: 93 Resp: 239536

Ion Ratio Lower Upper

93 100

95 85.9 68.7 103.1

174 99.8 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

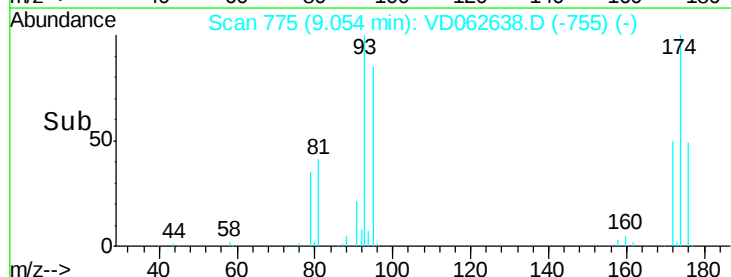
150000

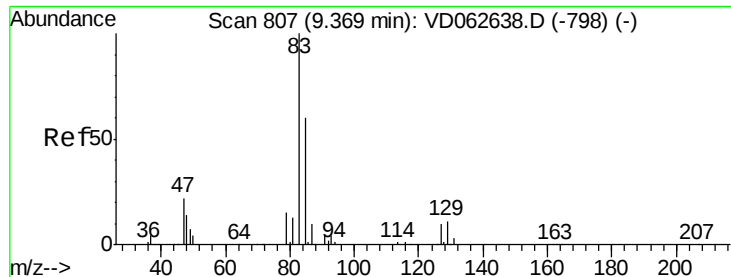
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 46.517 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

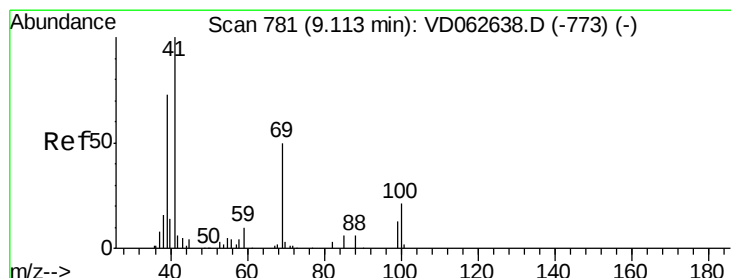
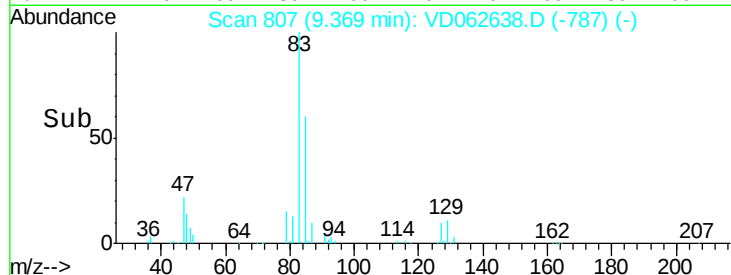
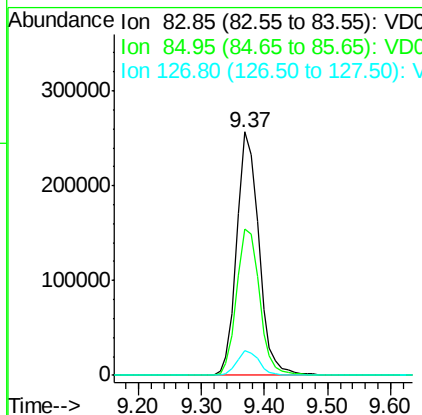
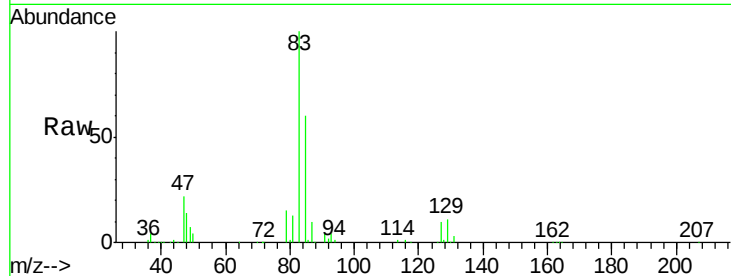
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	619420
Ion	Ratio	Lower	Upper
83	100		
85	59.9	47.9	71.9
127	10.3	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.368 ug/l

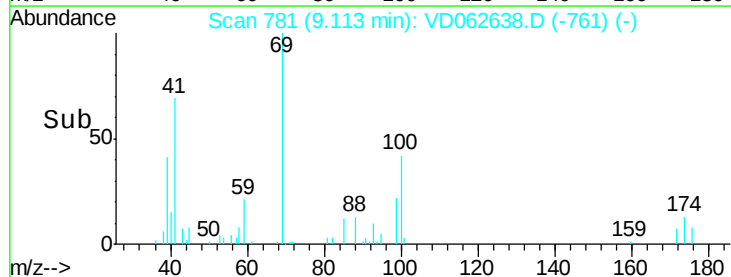
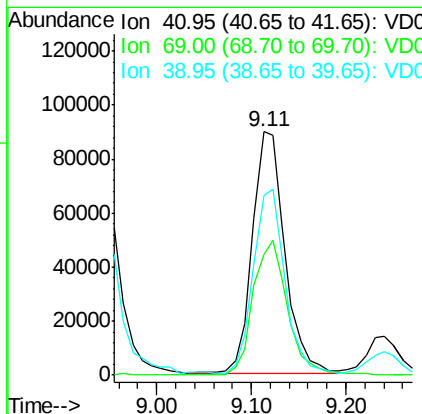
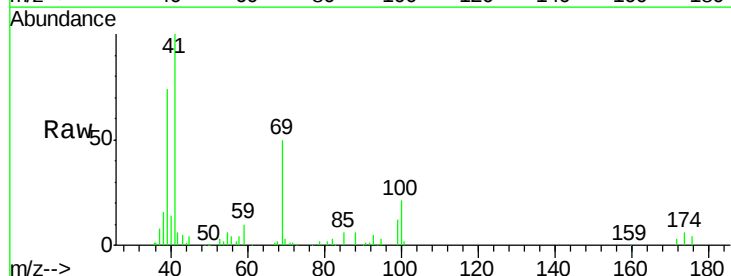
RT: 9.11 min Scan# 781

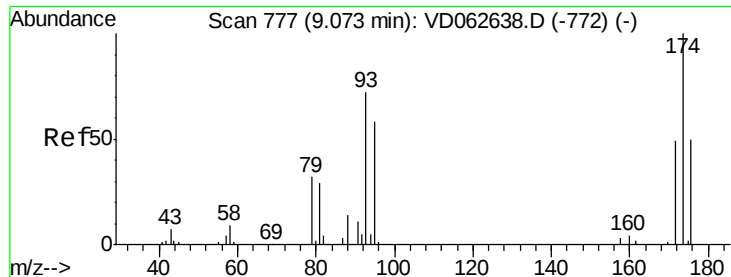
Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion:	41	Resp:	213921
Ion	Ratio	Lower	Upper
41	100		
69	49.7	39.8	59.6
39	73.9	59.1	88.7





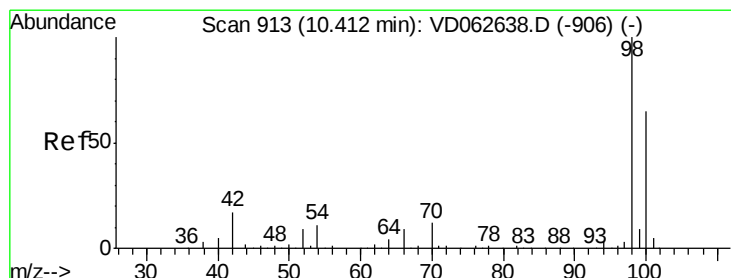
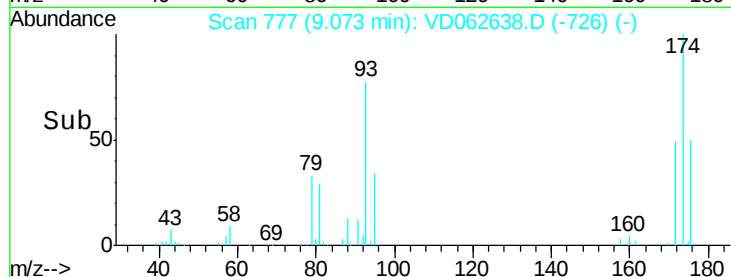
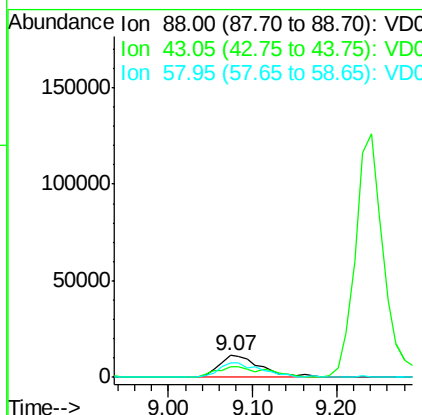
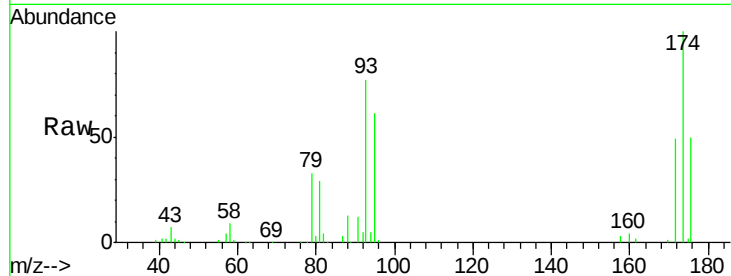
#49
 1,4-Dioxane
 Concen: 1090.572 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	38907
Ion Ratio	Lower	Upper	
88	100		
43	50.9	40.7	61.1
58	67.8	54.2	81.4

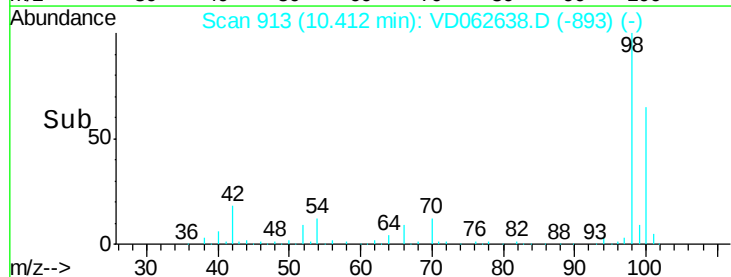
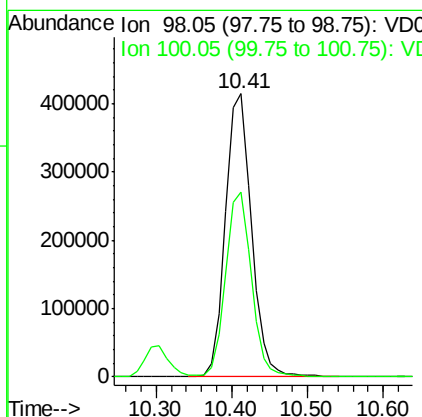
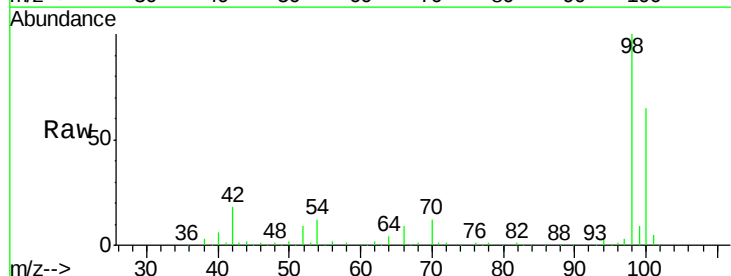
Manual Integrations
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#50
 Toluene-d8
 Concen: 44.158 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	98	Resp	986896
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 243.754 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tot Ion: 43 Resp: 1049991

Ion Ratio Lower Upper

43 100

58 32.6 26.1 39.1

Instrument :

MSVOA_D

ClientSampled :

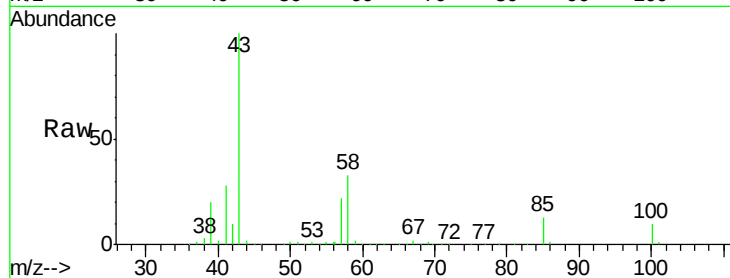
VSTDICCC050

Manual Integrations

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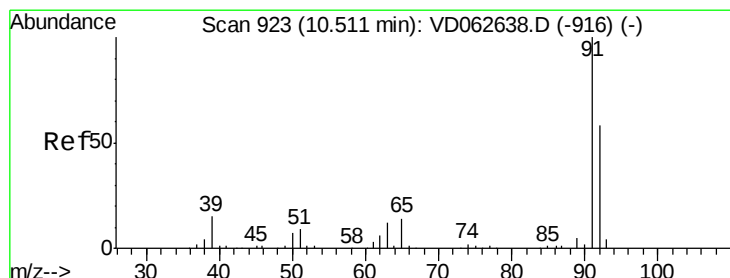
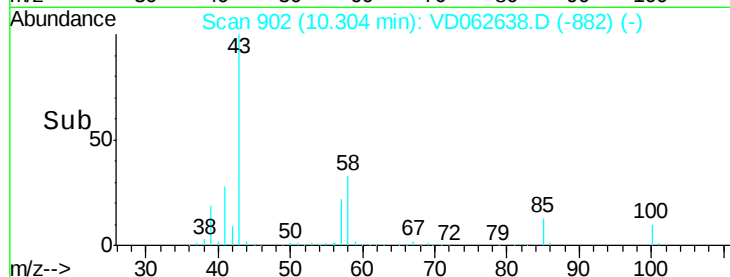
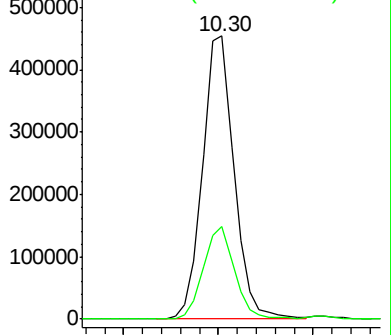
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.839 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062638.D

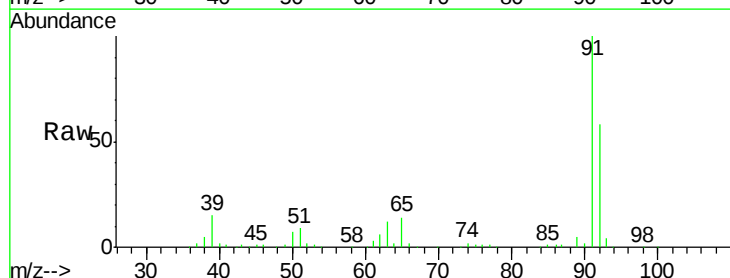
Acq: 7 Jun 2019 12:14

Tgt Ion: 92 Resp: 769879

Ion Ratio Lower Upper

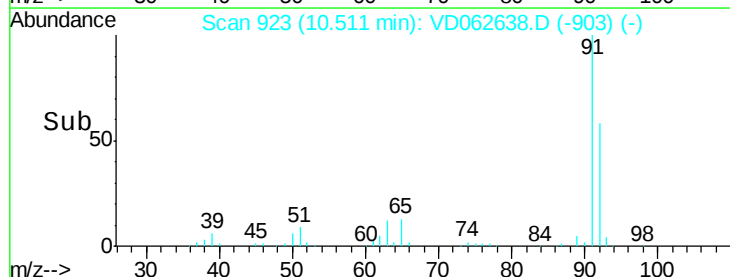
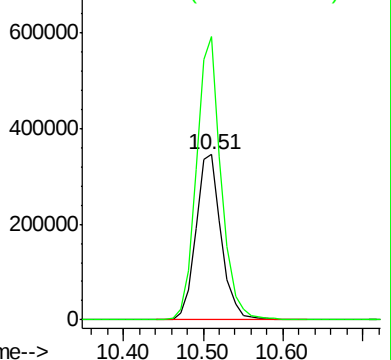
92 100

91 171.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 49.342 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tot Ion: 75 Resp: 540833

Ion Ratio Lower Upper

75 100

77 30.1 24.1 36.1

Instrument :

MSVOA_D

ClientSampleId :

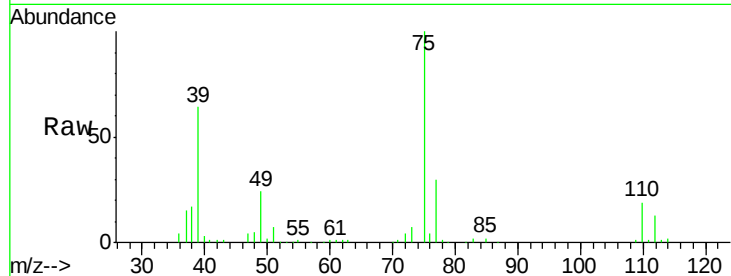
VSTDICCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

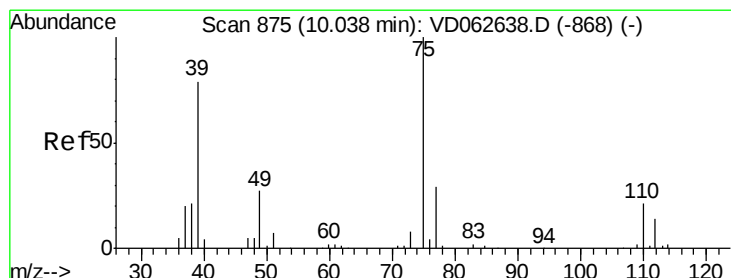
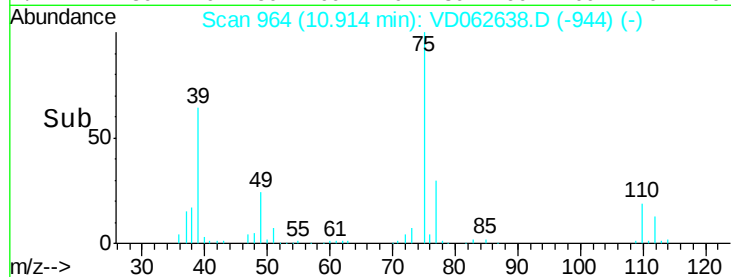
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.469 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

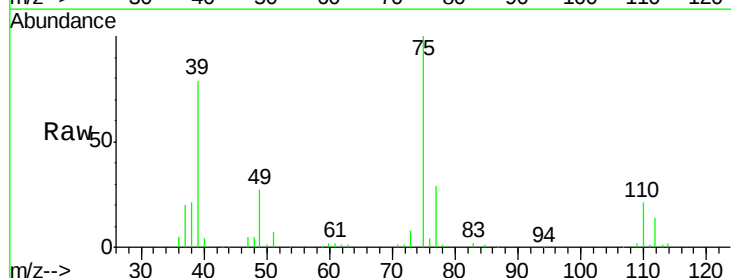
Tgt Ion: 75 Resp: 549718

Ion Ratio Lower Upper

75 100

77 28.9 23.1 34.7

39 79.3 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

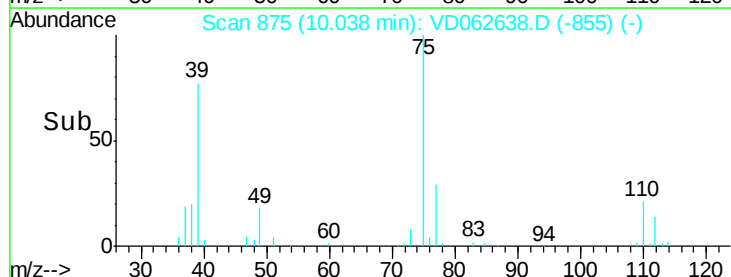
300000

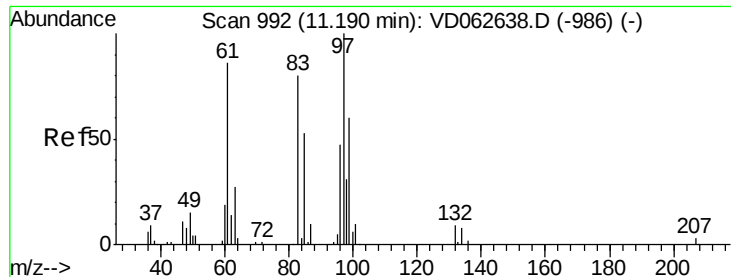
200000

100000

0

Time-->





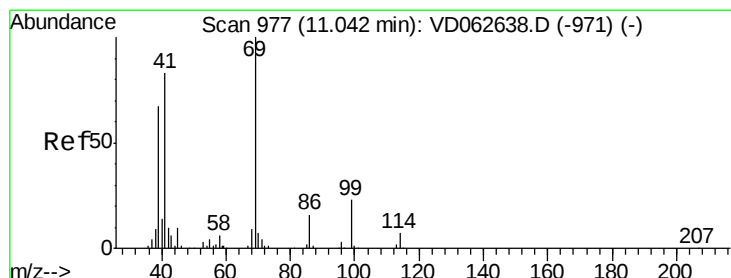
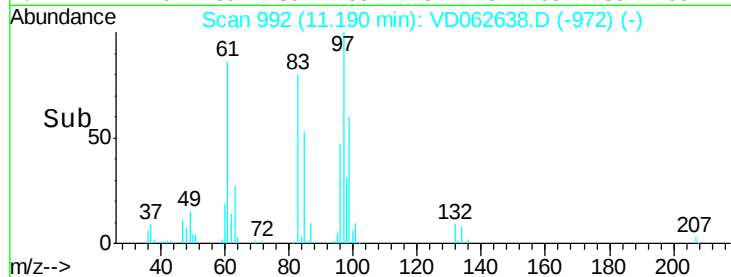
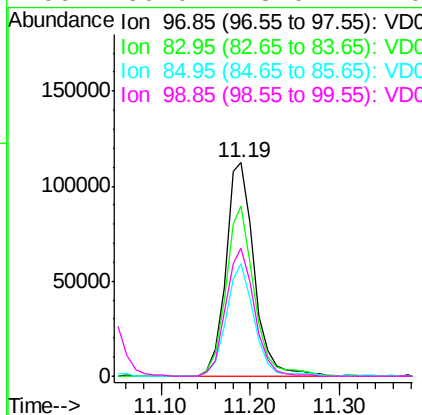
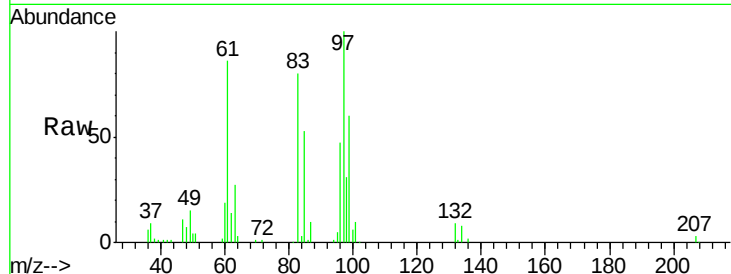
#55
1,1,2-Trichloroethane
Concen: 48.710 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:	97	Resp:	251415
Ion	Ratio	Lower	Upper
97	100		
83	79.8	63.8	95.8
85	52.9	42.3	63.5
99	60.0	48.0	72.0

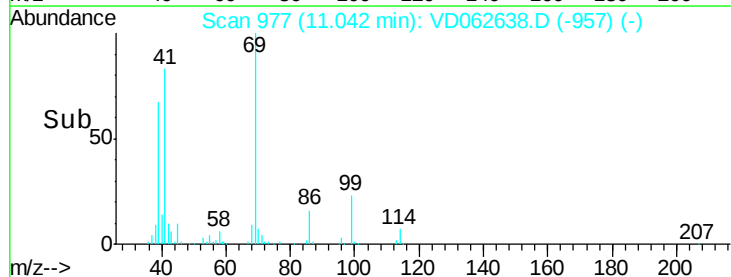
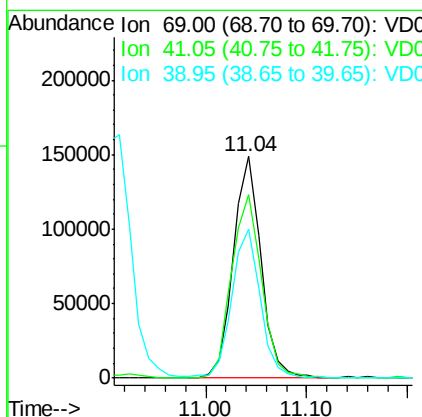
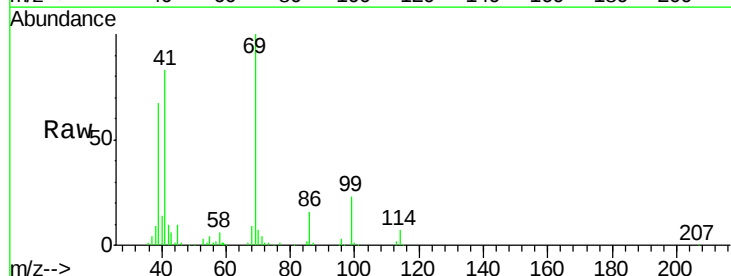
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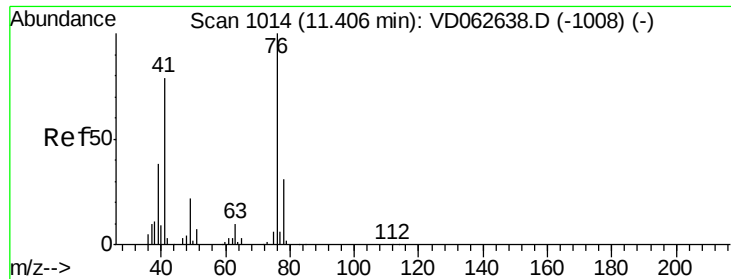
MMDadoda
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#56
Ethyl methacrylate
Concen: 50.512 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:	69	Resp:	284983
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.2	99.4
39	67.3	53.8	80.8





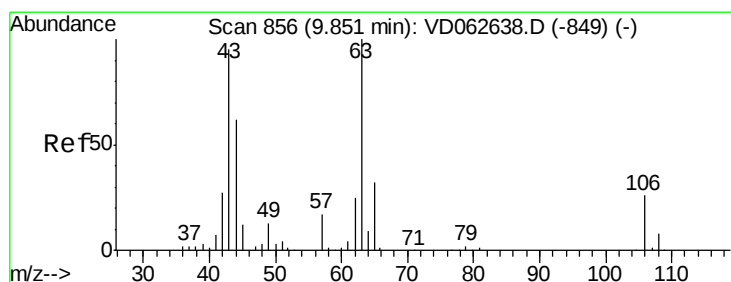
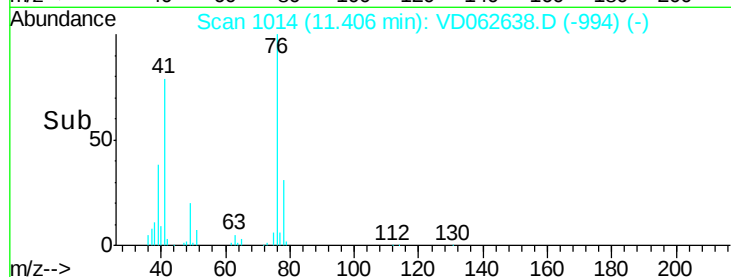
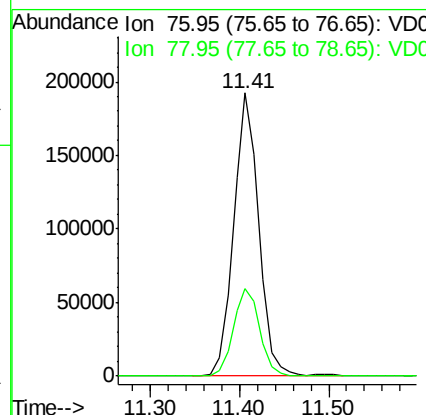
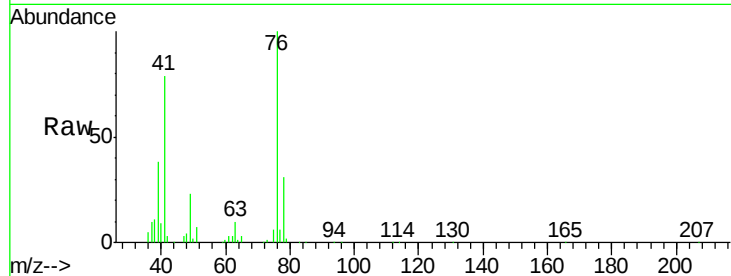
#57
 1,3-Dichloropropane
 Concen: 46.750 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 379489
 Ion Ratio Lower Upper
 76 100
 78 31.1 24.9 37.3

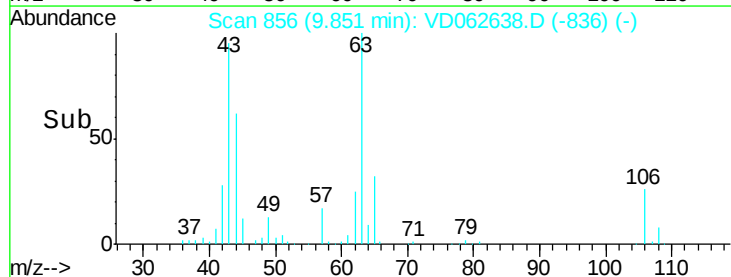
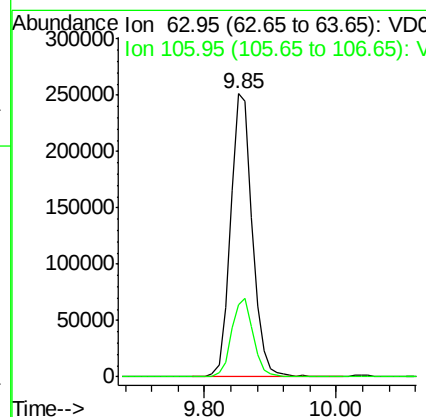
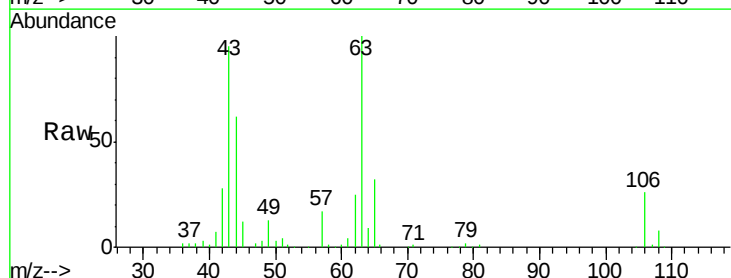
Manual Integrations
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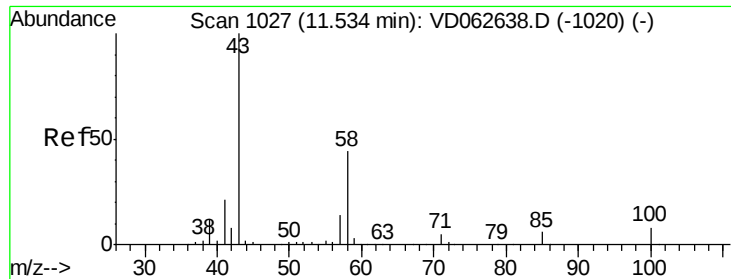
MMDadoda
 6/11/2019 2:17:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.436 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion: 63 Resp: 582511
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.5 30.7





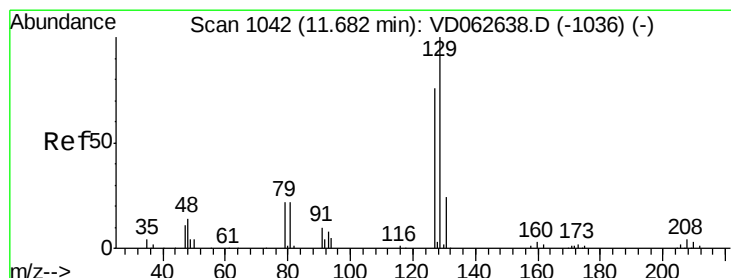
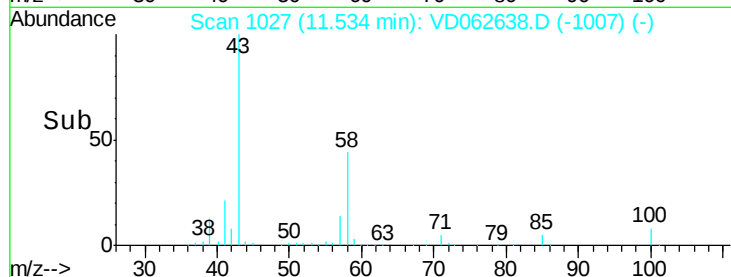
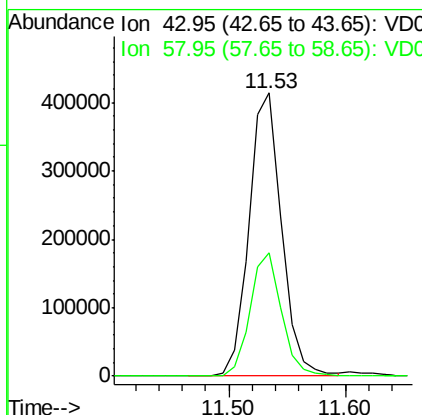
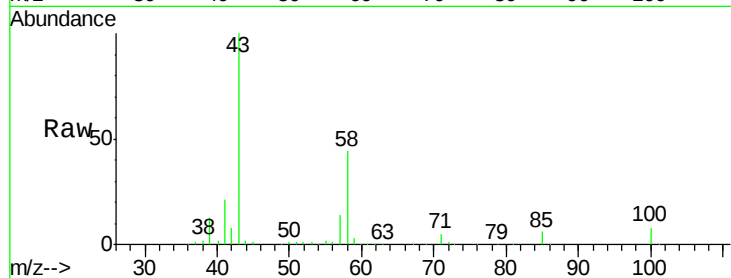
#59
2-Hexanone
Concen: 246.700 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	799898
Ion Ratio	100	Lower	Upper
58	43.6	21.8	65.4

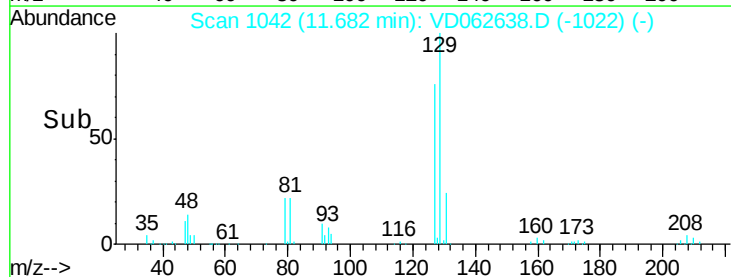
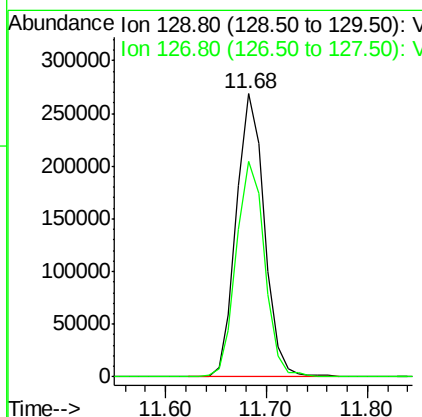
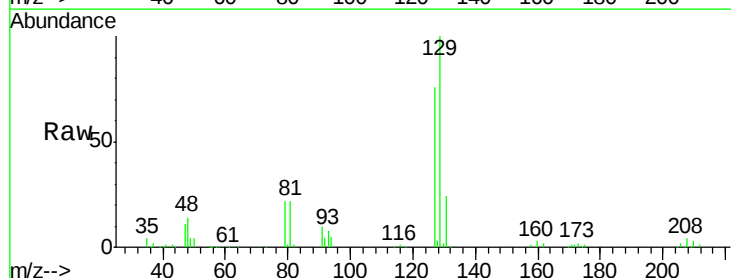
Manual Integrations
APPROVED

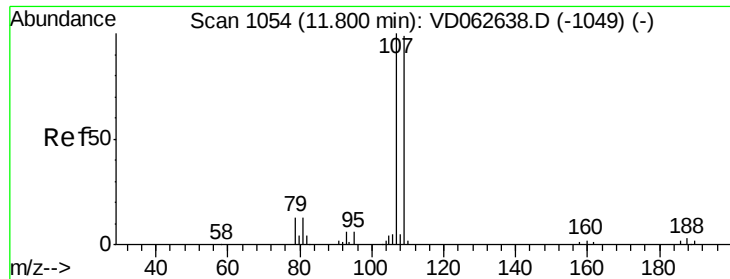
MMDadoda
6/11/2019 2:17:21 AM



#60
Dibromochloromethane
Concen: 51.056 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	129	Resp	523430
Ion Ratio	100	Lower	Upper
127	76.1	38.0	114.1





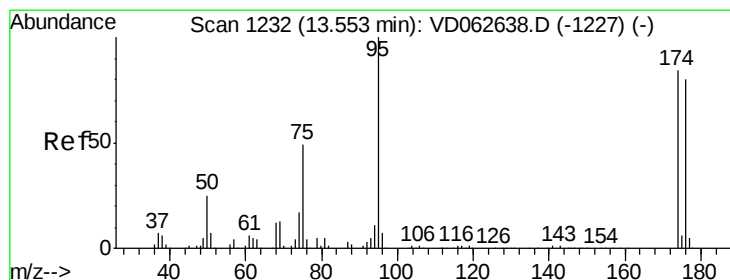
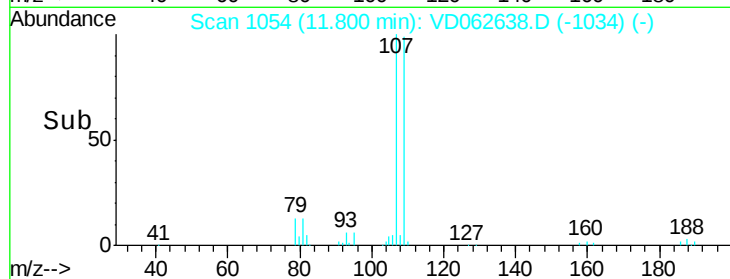
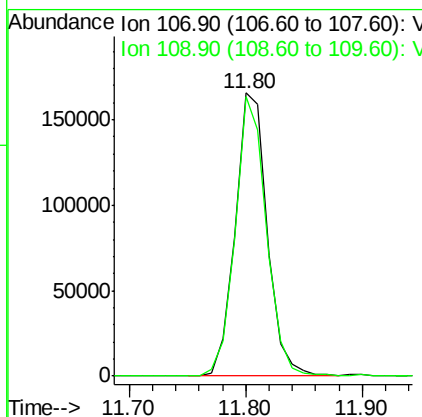
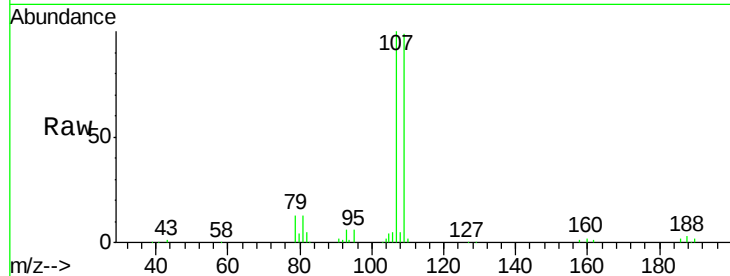
#61
 1,2-Dibromoethane
 Concen: 50.348 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	315157		
109	99.0	79.2	79.2	118.8

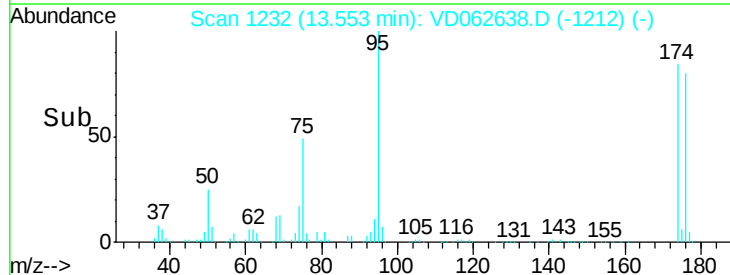
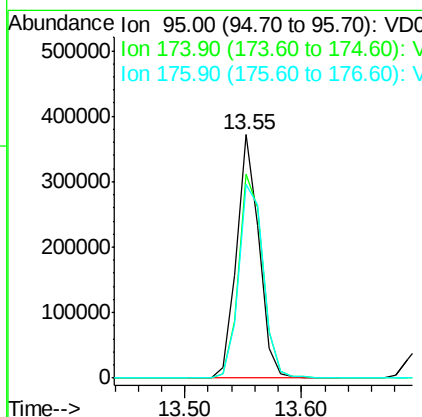
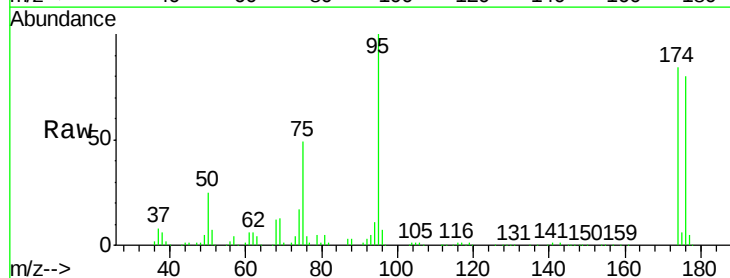
Manual Integrations
 APPROVED

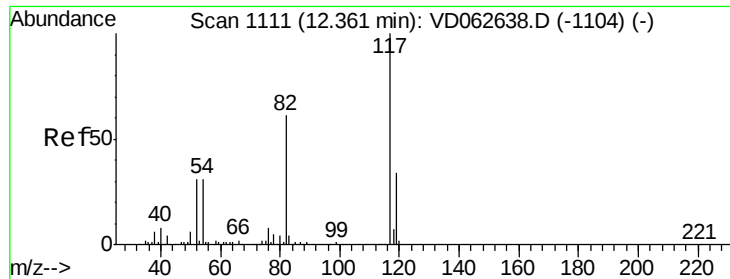
MMDadoda
 6/11/2019 2:17:21 AM



#62
 4-Bromofluorobenzene
 Concen: 46.581 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	493922		
174	83.5	0.0	0.0	167.0
176	79.6	0.0	0.0	159.2





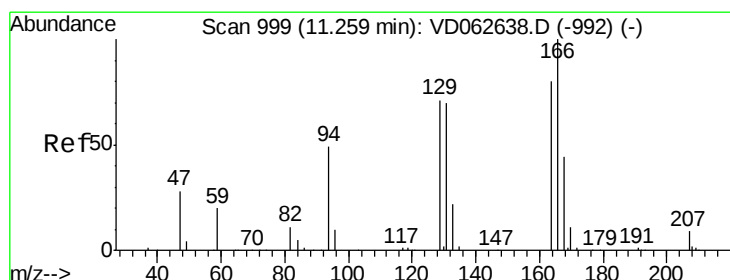
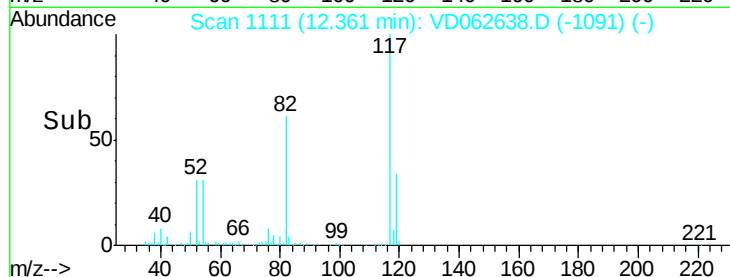
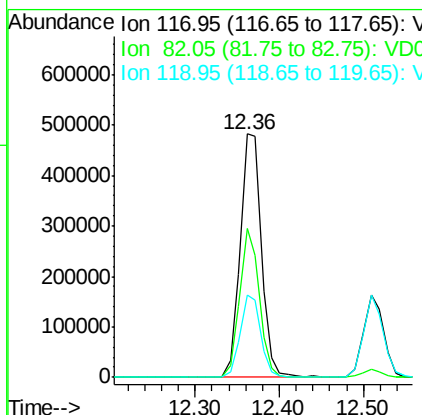
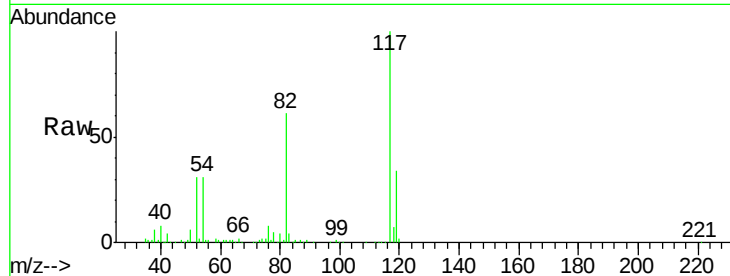
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.7	73.1
119	33.8	27.0	40.6

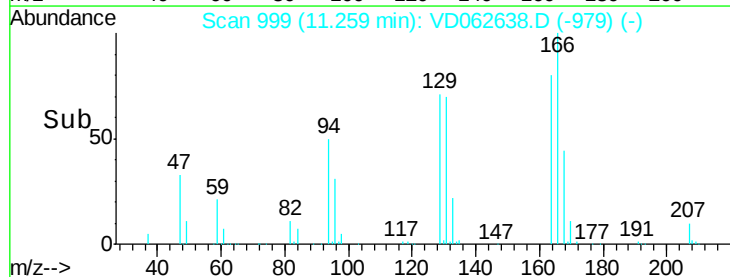
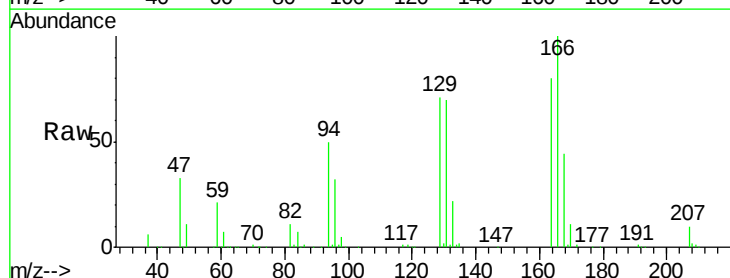
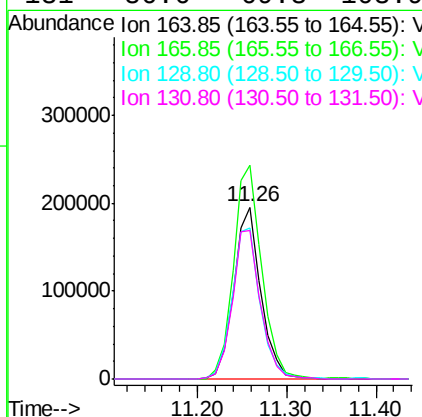
Manual Integrations
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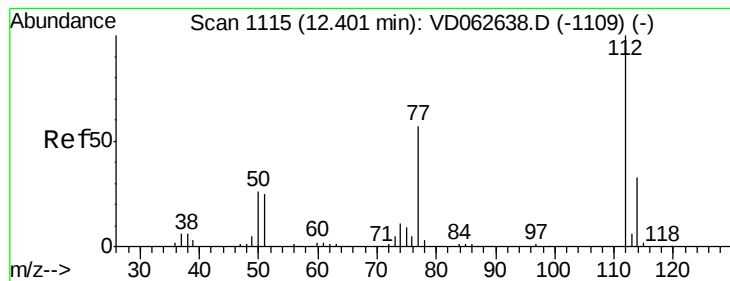
MMDadoda
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#64
Tetrachloroethene
Concen: 51.473 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.4	149.2
129	87.8	70.2	105.4
131	86.6	69.3	103.9





#65

Chlorobenzene

Concen: 50.585 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 960786

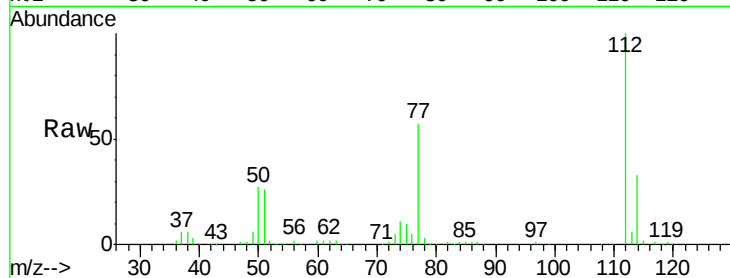
Ion Ratio Lower Upper

112 100

114 32.9 26.3 39.5

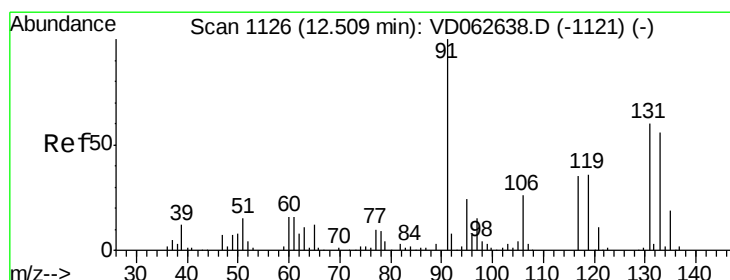
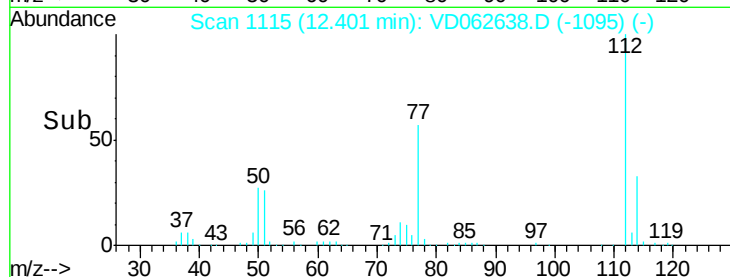
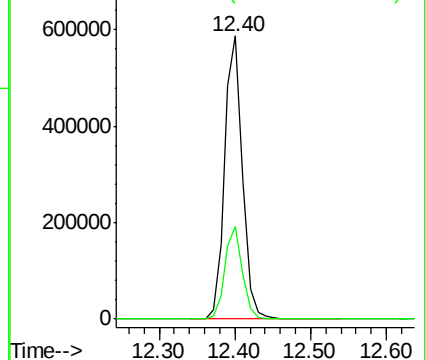
Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.405 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

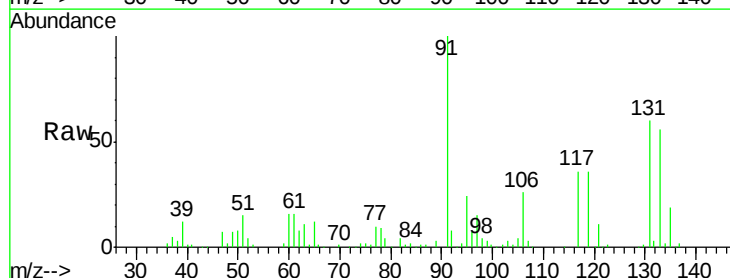
Tgt Ion:131 Resp: 458753

Ion Ratio Lower Upper

131 100

133 93.5 46.8 140.3

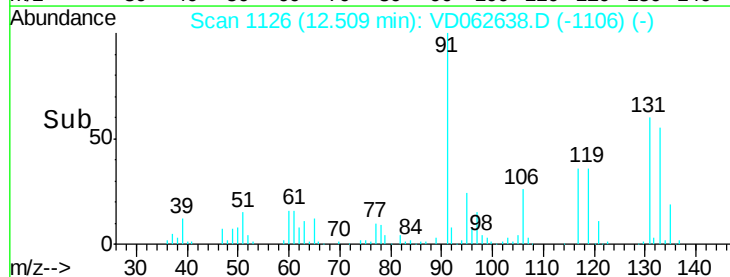
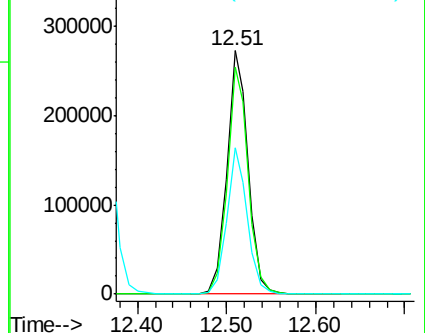
119 59.9 29.9 89.8

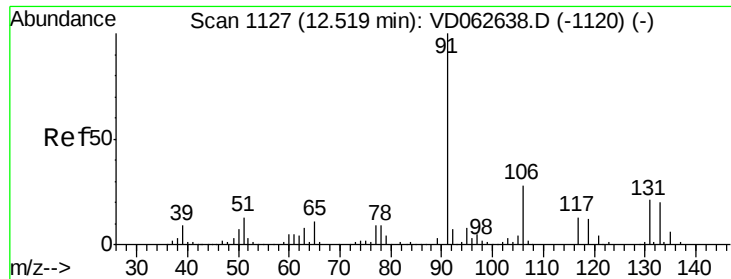


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





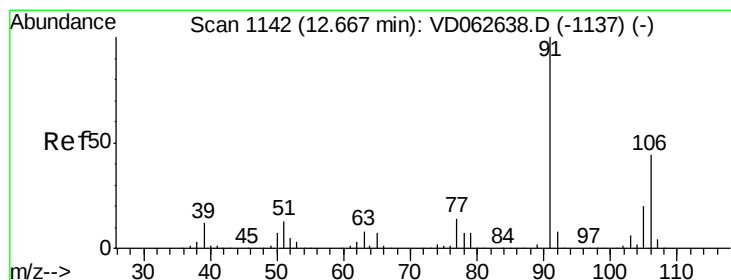
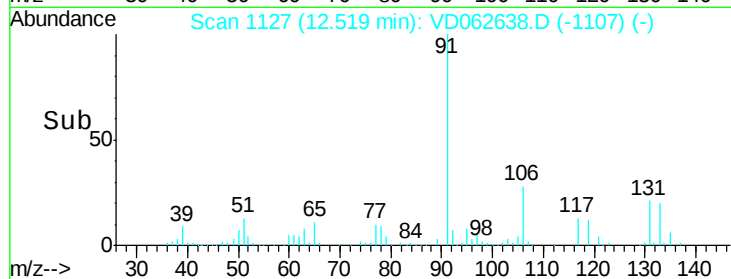
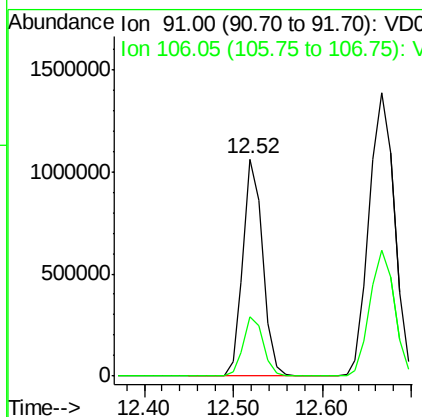
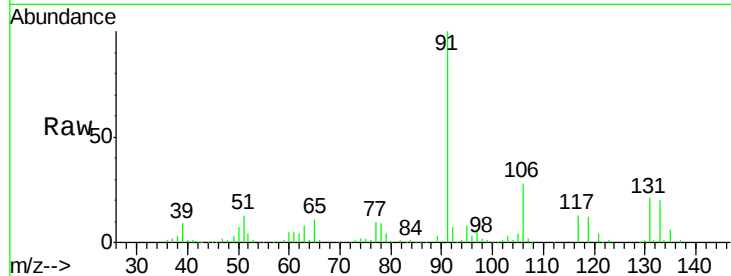
#67
Ethyl Benzene
Concen: 48.854 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1649720
Ion Ratio Lower Upper
91 100
106 27.6 22.1 33.1

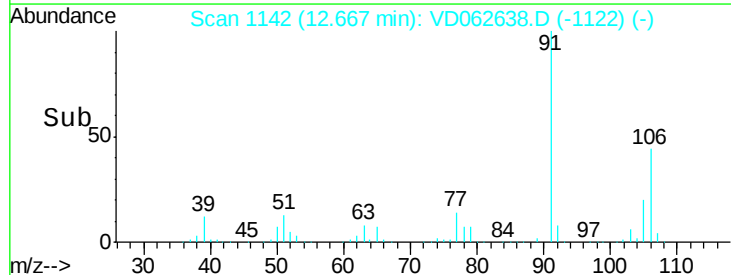
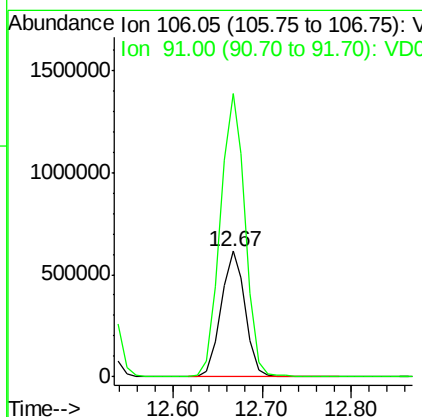
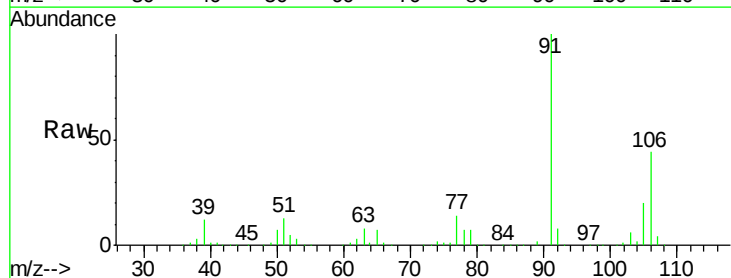
Manual Integrations
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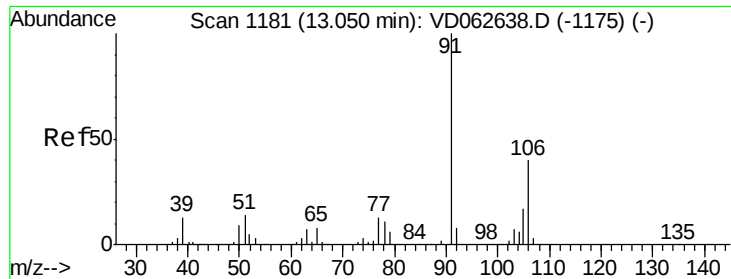
MMDadoda
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#68
m/p-Xylenes
Concen: 98.667 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 106 Resp: 1169002
Ion Ratio Lower Upper
106 100
91 225.3 180.2 270.4





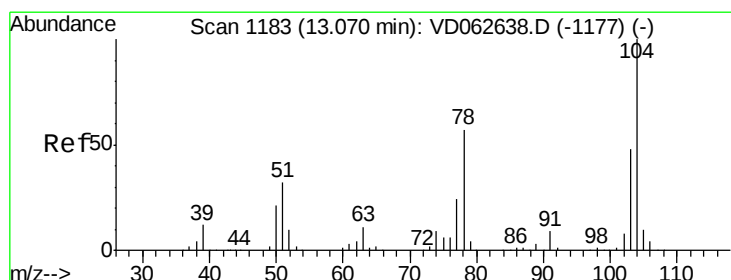
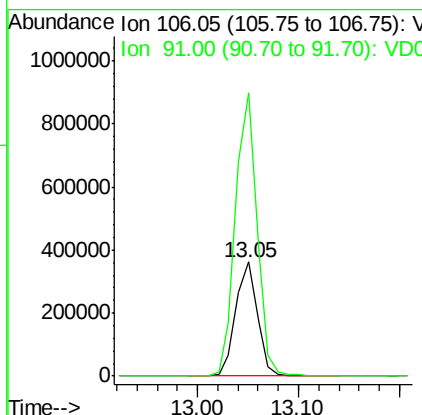
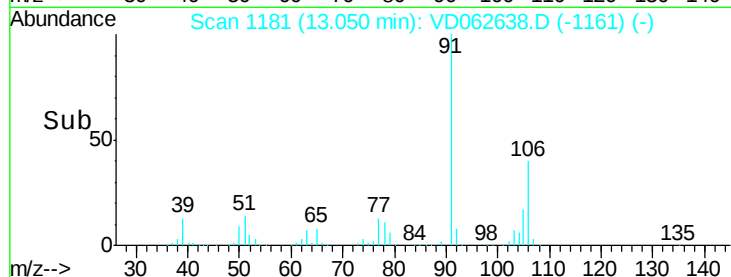
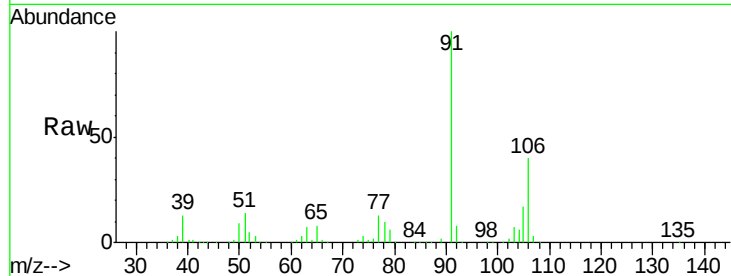
#69
o-Xylene
Concen: 48.464 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 538962
Ion Ratio Lower Upper
106 100
91 248.1 124.1 372.1

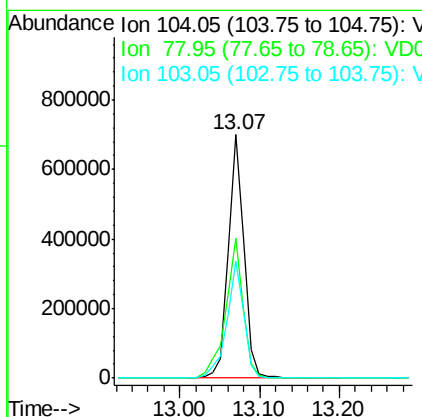
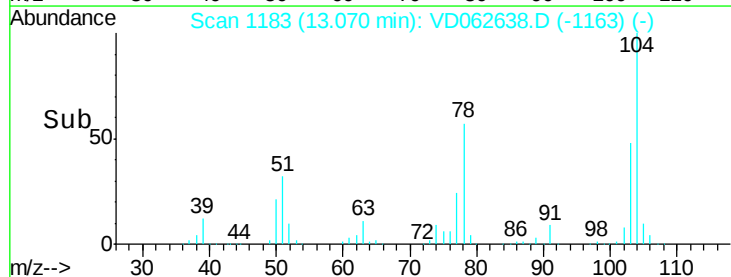
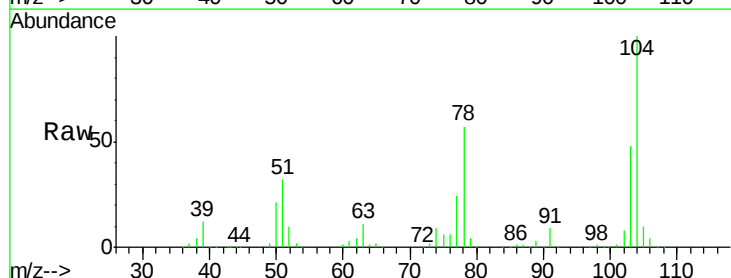
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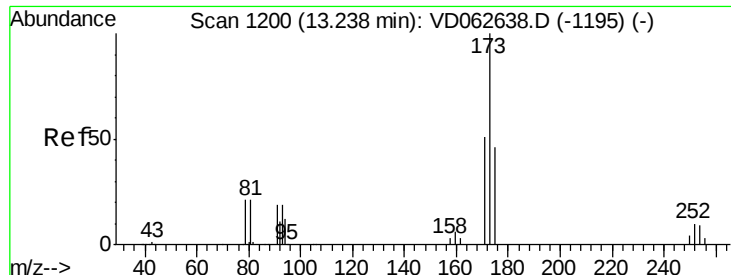
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#70
Styrene
Concen: 49.110 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion:104 Resp: 973841
Ion Ratio Lower Upper
104 100
78 57.4 45.9 68.9
103 48.0 38.4 57.6





#71

Bromoform

Concen: 51.669 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 326870

Ion Ratio Lower Upper

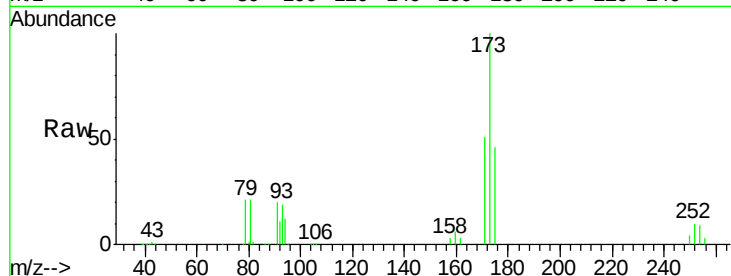
173 100

175 45.8 22.9 68.7

254 8.7 7.0 10.4

Manual Integrations
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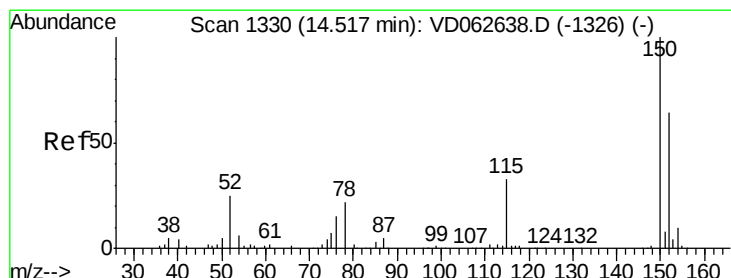
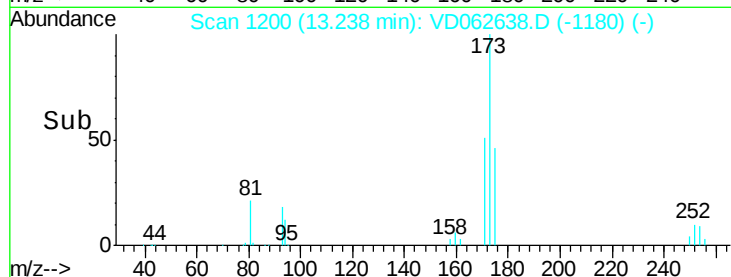
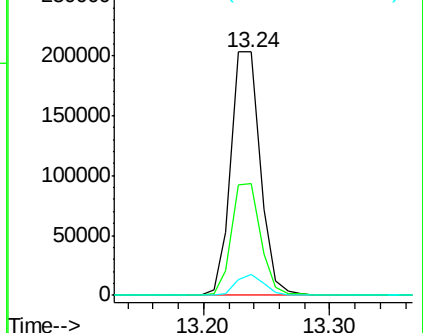
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

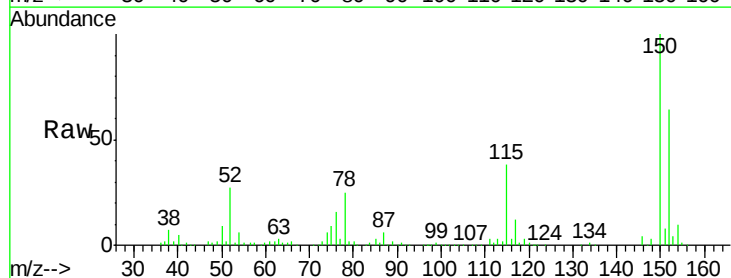
Tgt Ion:152 Resp: 461601

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

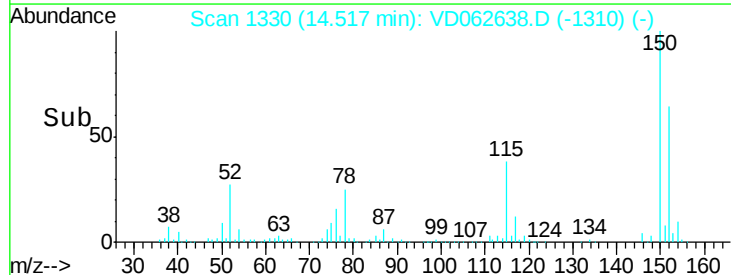
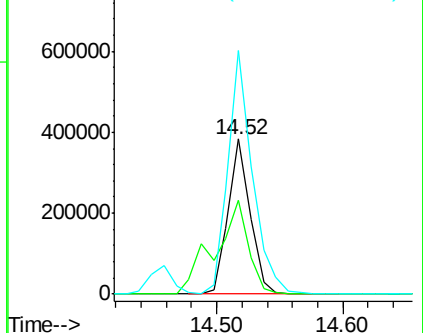
150 157.0 0.0 314.0

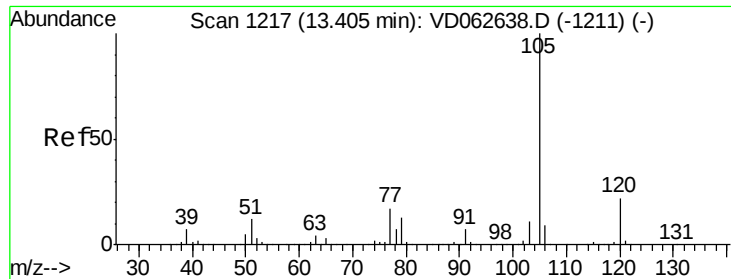


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.909 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1543068

Ion Ratio Lower Upper

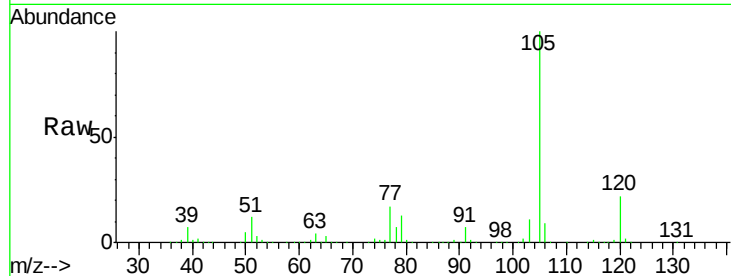
105 100

120 21.8 10.9 32.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

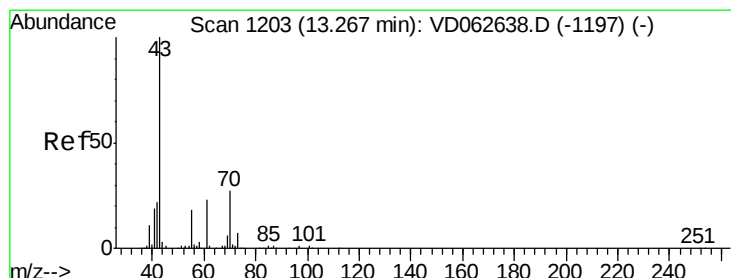
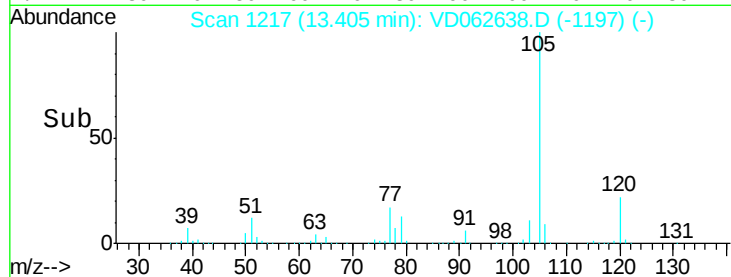
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 50.591 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion: 43 Resp: 457845

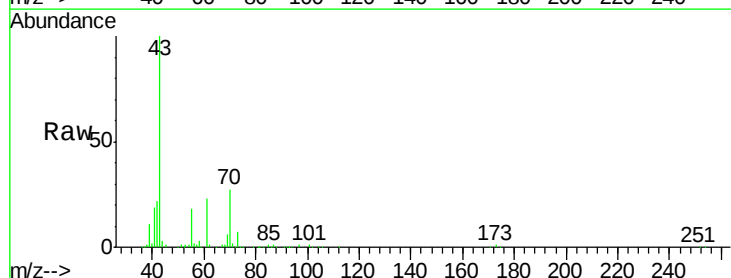
Ion Ratio Lower Upper

43 100

70 27.3 21.8 32.8

55 18.2 14.6 21.8

61 23.0 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

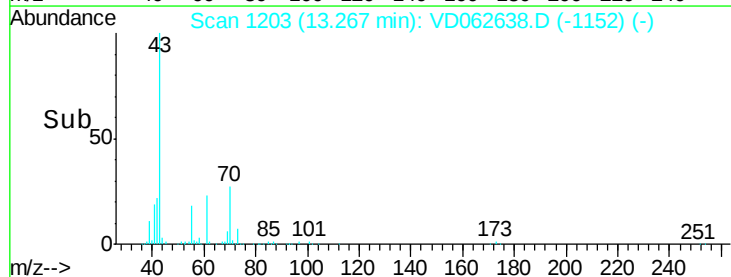
200000

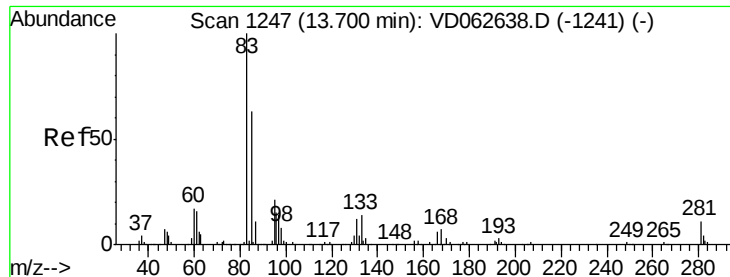
100000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.365 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

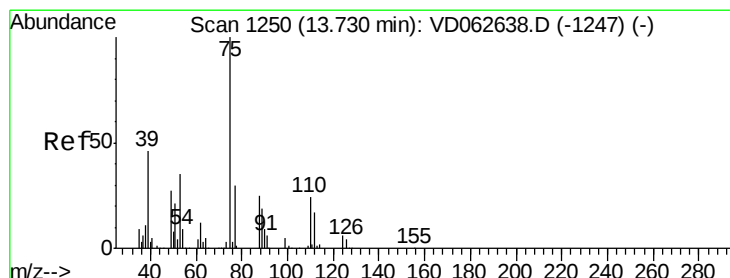
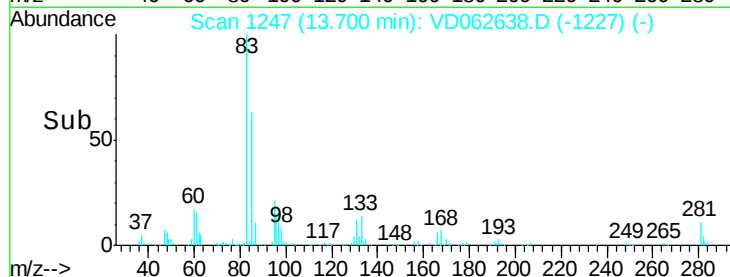
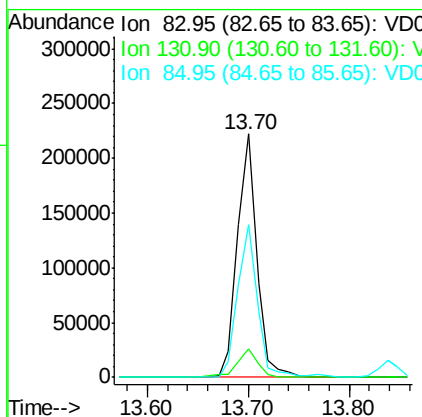
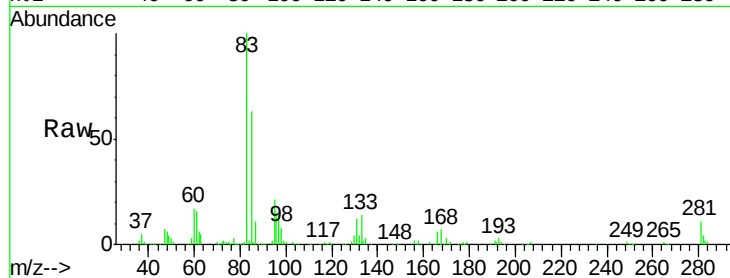
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	297783
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	62.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 49.658 ug/l

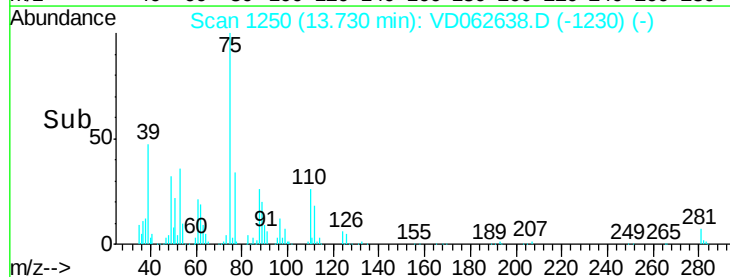
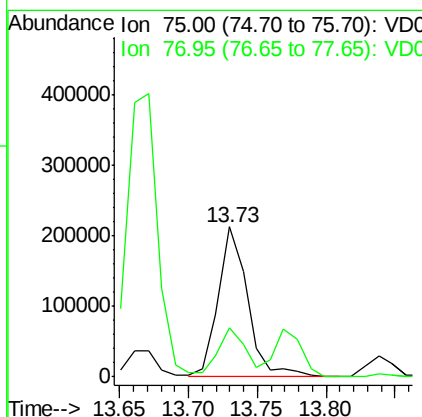
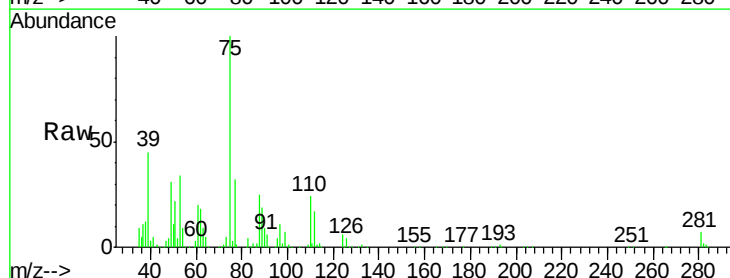
RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Tgt Ion:	75	Resp:	316243
Ion Ratio	Lower	Upper	
75	100		
77	32.4	16.2	48.6





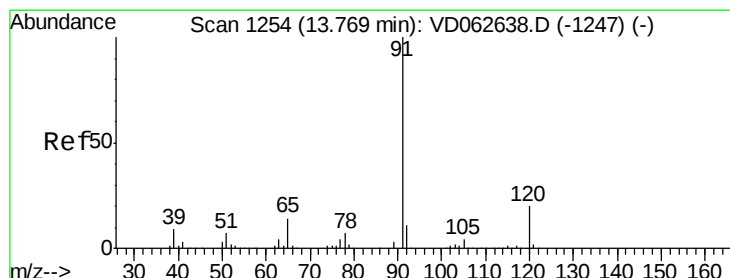
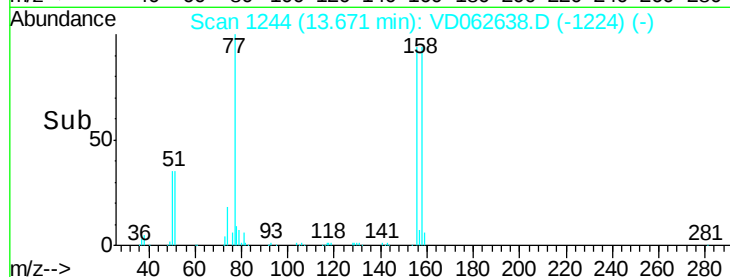
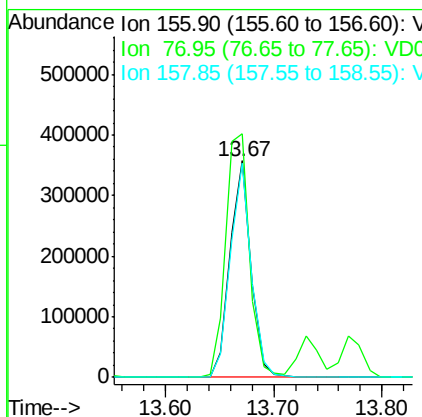
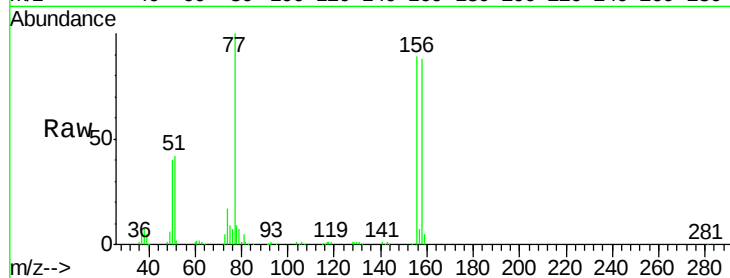
#77
Bromobenzene
Concen: 51.340 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:156 Resp: 485507
Ion Ratio Lower Upper
156 100
77 112.5 56.3 168.8
158 99.2 49.6 148.8

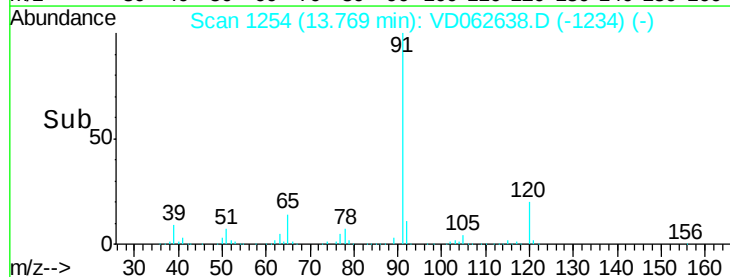
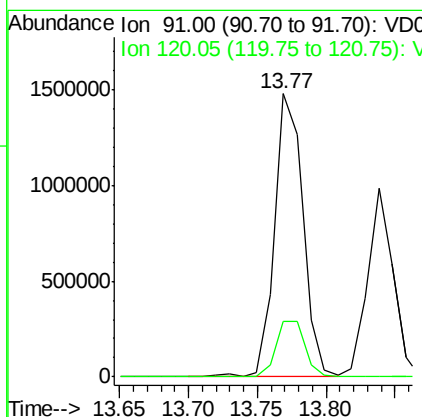
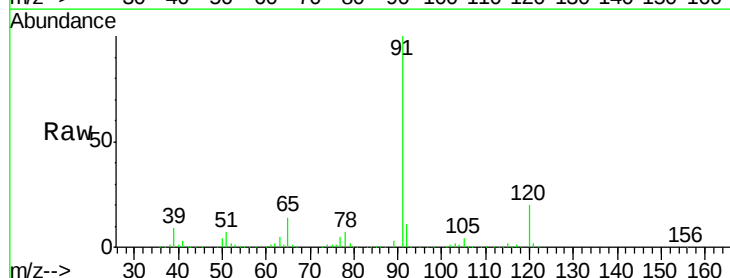
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#78
n-propylbenzene
Concen: 51.657 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 91 Resp: 2101812
Ion Ratio Lower Upper
91 100
120 19.7 9.8 29.5





#79

2-Chlorotoluene

Concen: 53.504 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1270053

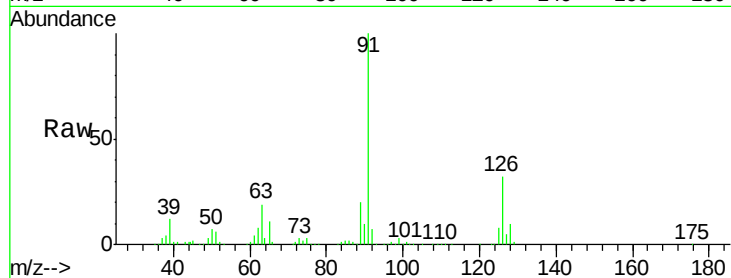
Ion Ratio Lower Upper

91 100

126 31.6 15.8 47.4

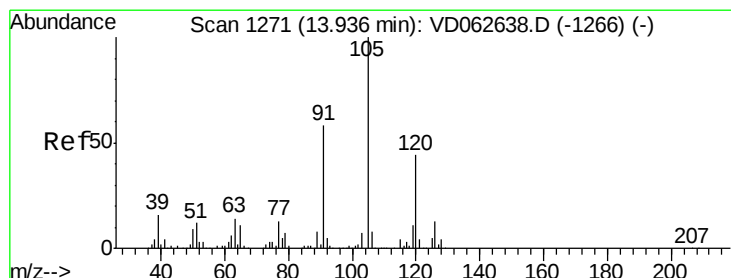
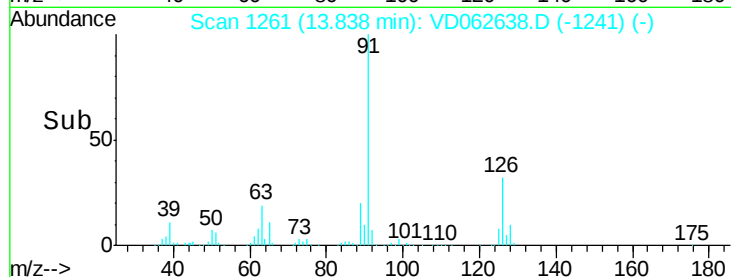
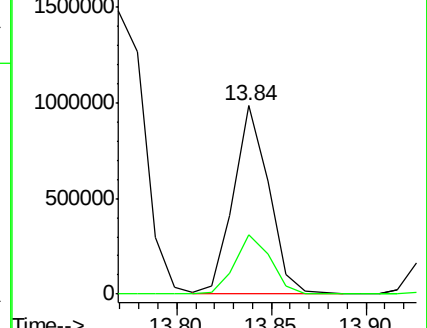
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 47.924 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062638.D

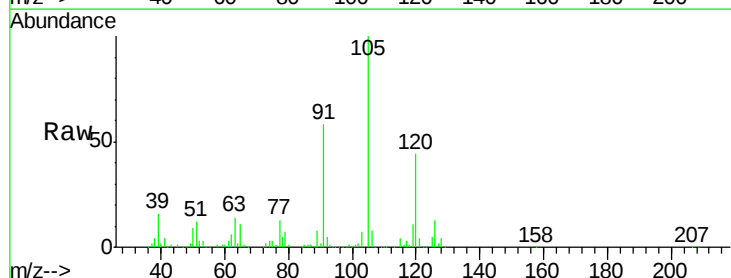
Acq: 7 Jun 2019 12:14

Tgt Ion: 105 Resp: 1405864

Ion Ratio Lower Upper

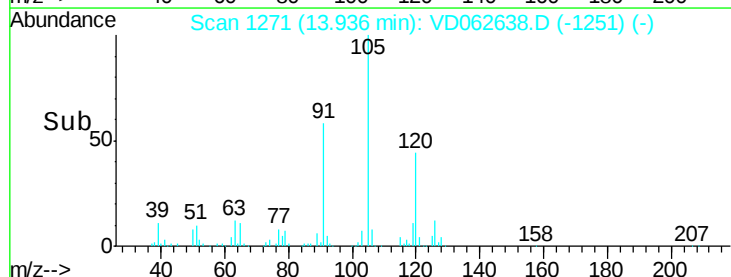
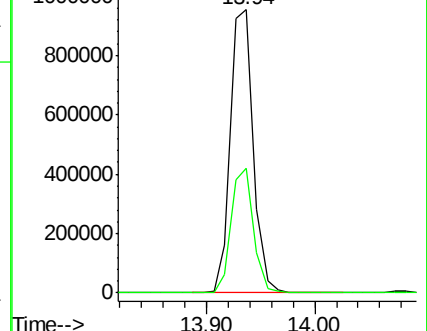
105 100

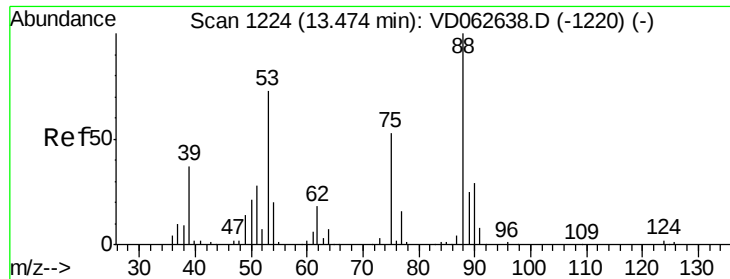
120 44.3 22.1 66.5



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

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





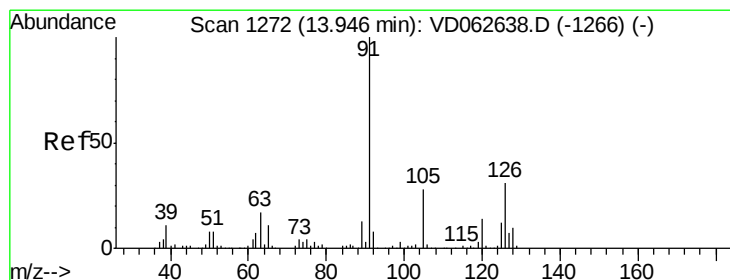
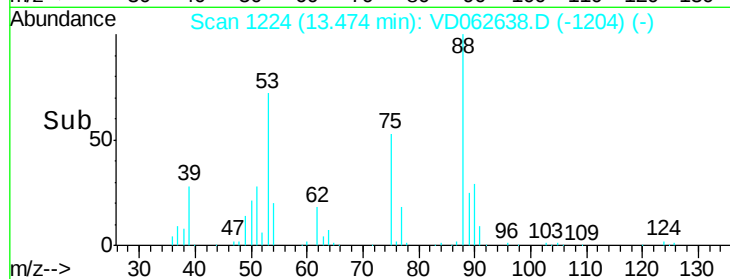
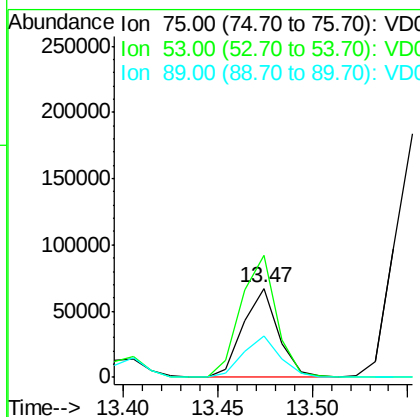
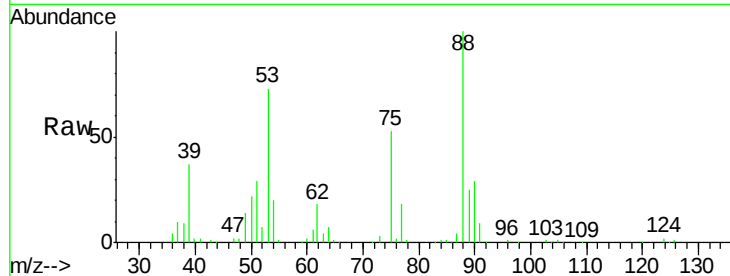
#81
trans-1,4-Dichloro-2-butene
Concen: 53.271 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	136.8	109.4	164.2
89	46.3	37.0	55.6

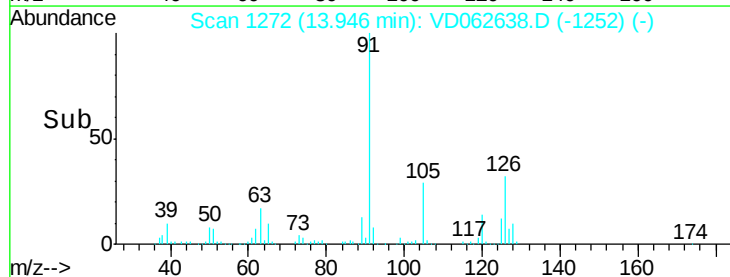
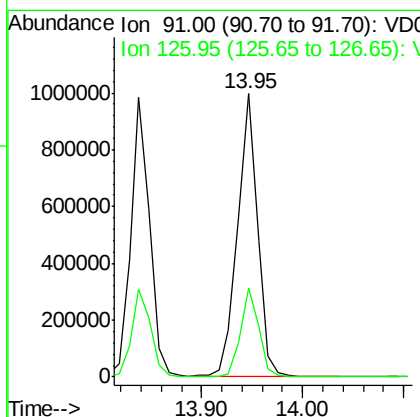
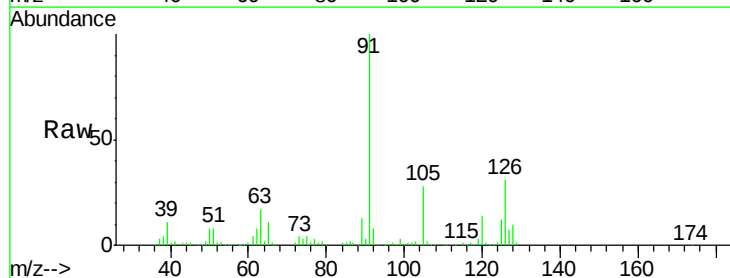
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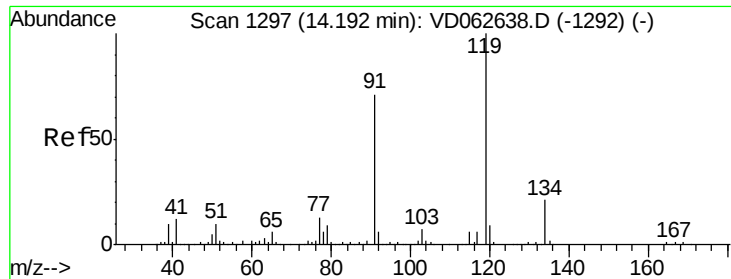
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#82
4-Chlorotoluene
Concen: 47.872 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





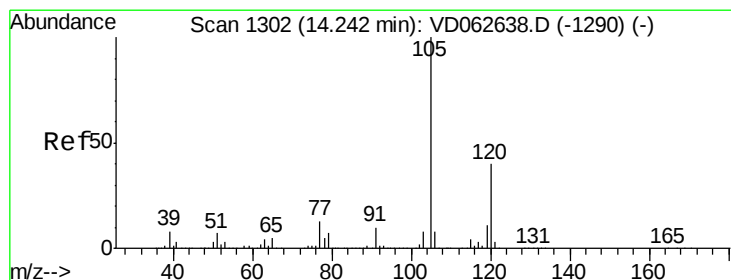
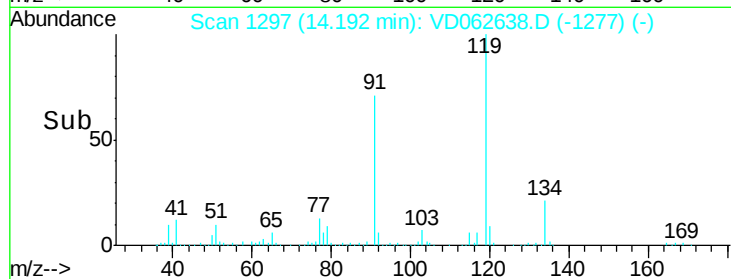
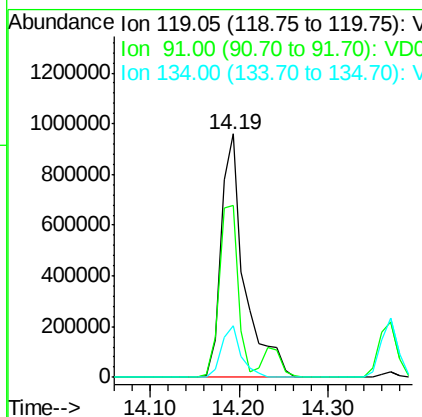
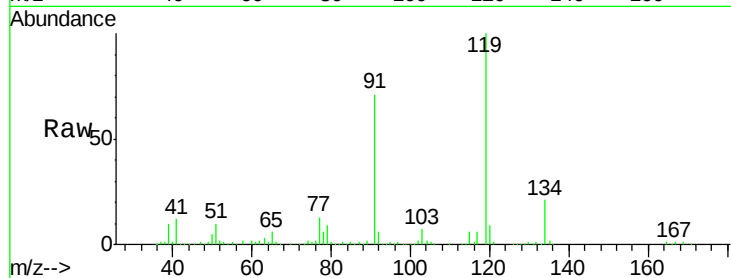
#83
 tert-Butylbenzene
 Concen: 53.820 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1761478
 Ion Ratio Lower Upper
 119 100
 91 70.7 35.4 106.1
 134 21.5 10.8 32.3

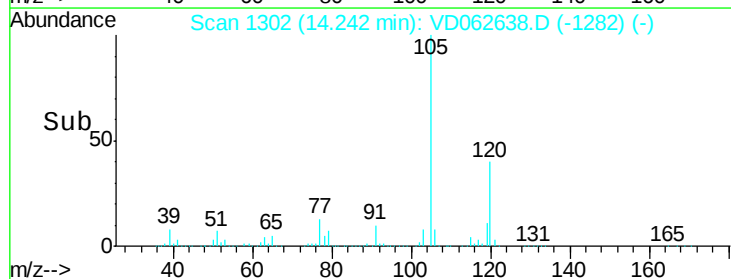
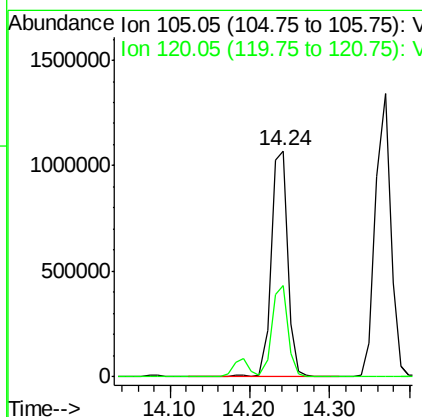
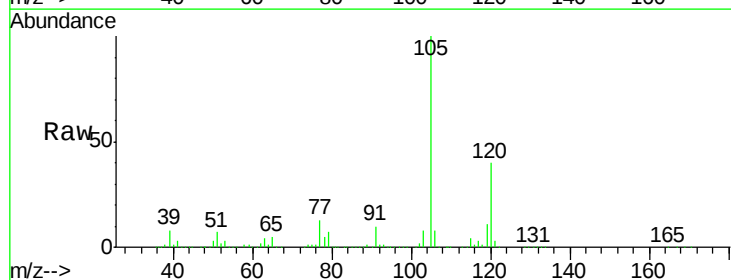
Manual Integrations
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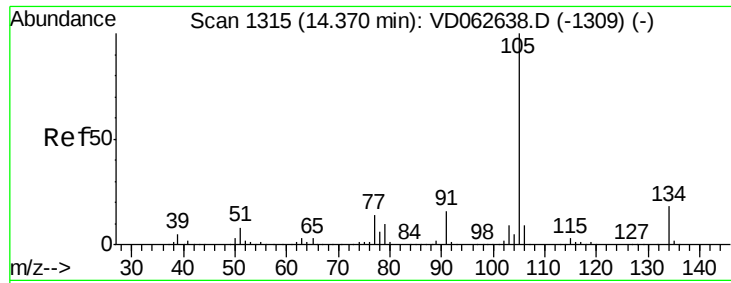
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.768 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion:105 Resp: 1555138
 Ion Ratio Lower Upper
 105 100
 120 40.5 20.3 60.8





#85

sec-Butylbenzene

Concen: 51.401 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1749458

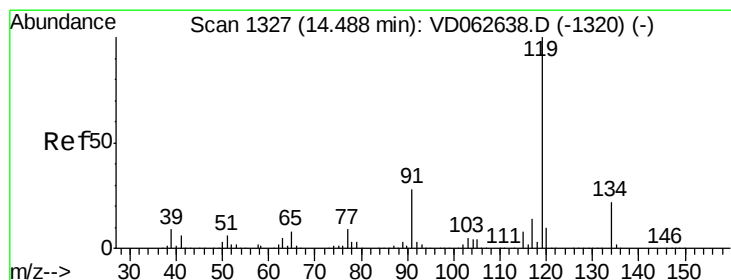
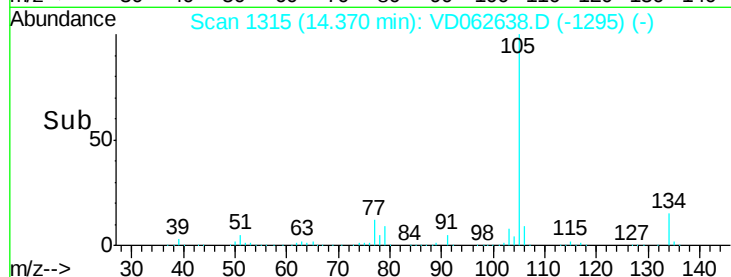
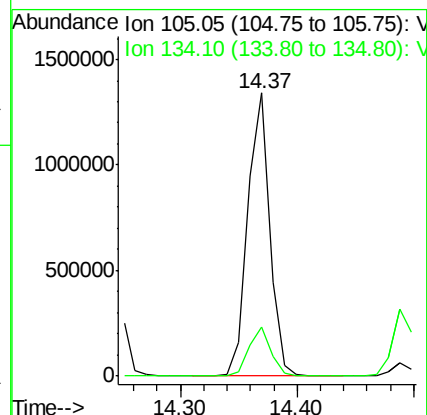
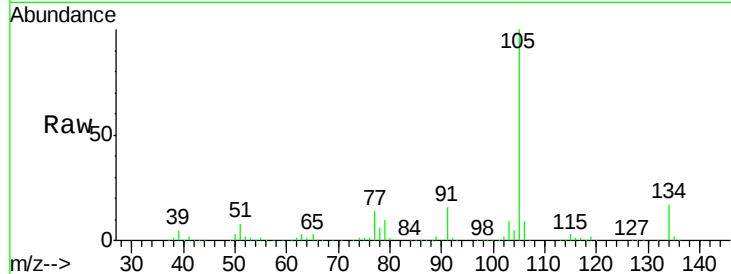
Ion Ratio Lower Upper

105 100

134 17.5 8.8 26.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.505 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062638.D

Acq: 7 Jun 2019 12:14

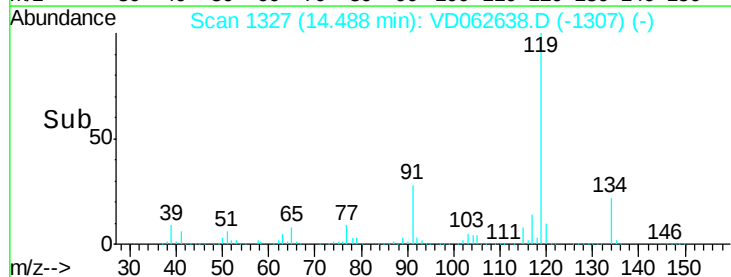
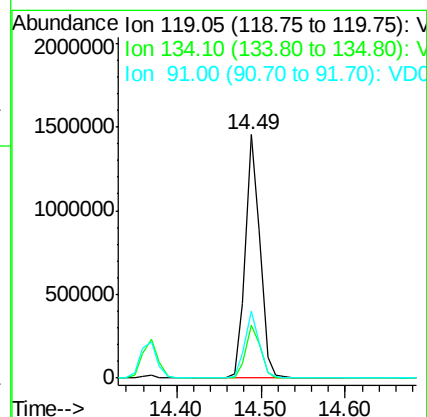
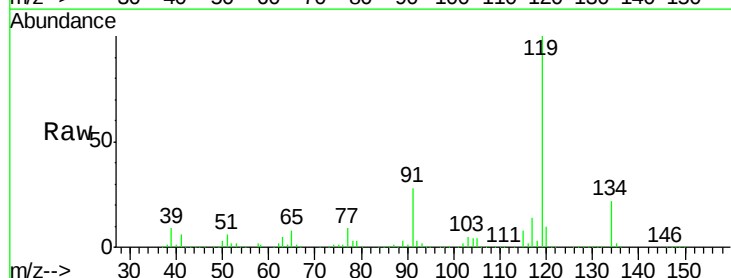
Tgt Ion:119 Resp: 1766716

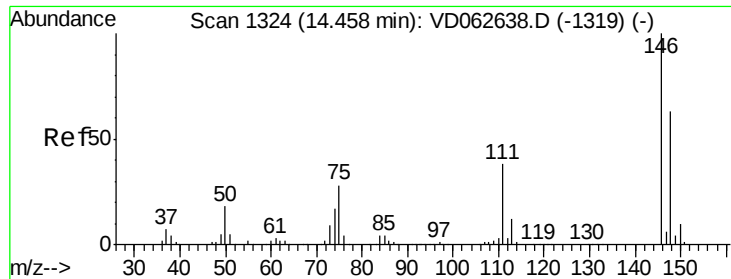
Ion Ratio Lower Upper

119 100

134 21.7 10.9 32.6

91 27.7 13.9 41.6





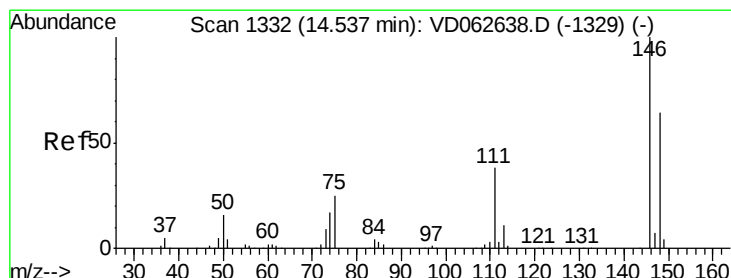
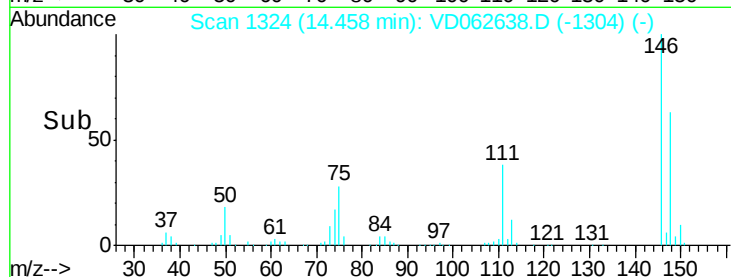
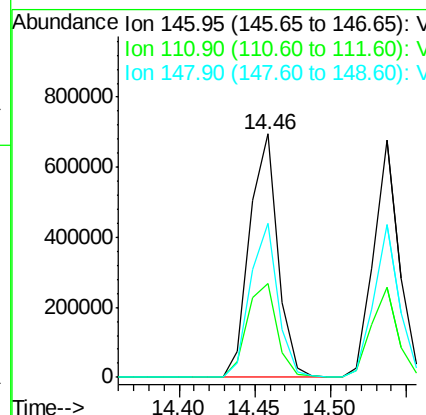
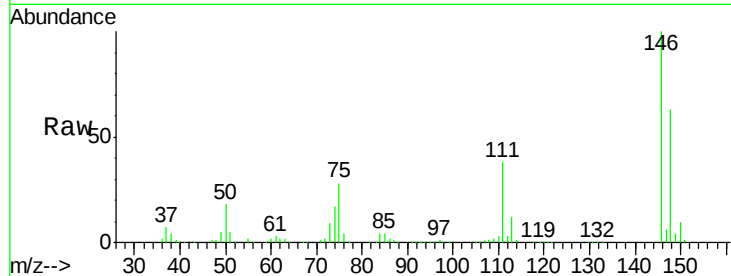
#87
 1,3-Dichlorobenzene
 Concen: 51.563 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.3	31.6	95.0

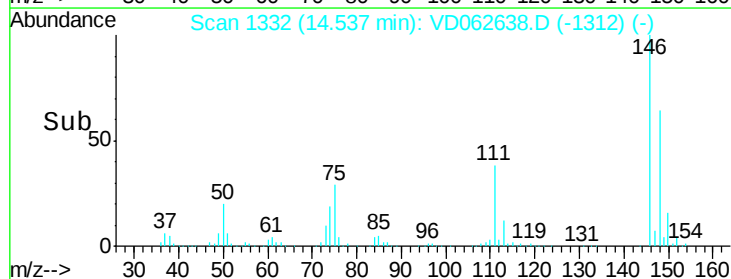
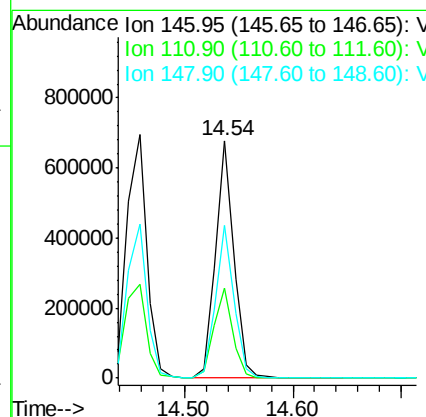
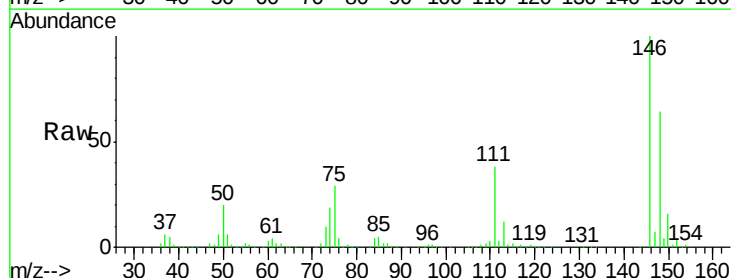
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#88
 1,4-Dichlorobenzene
 Concen: 48.683 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.5	32.3	96.8





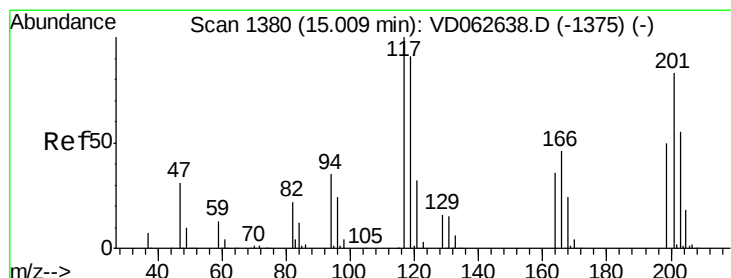
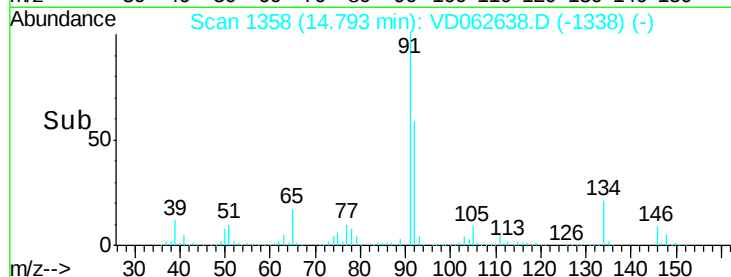
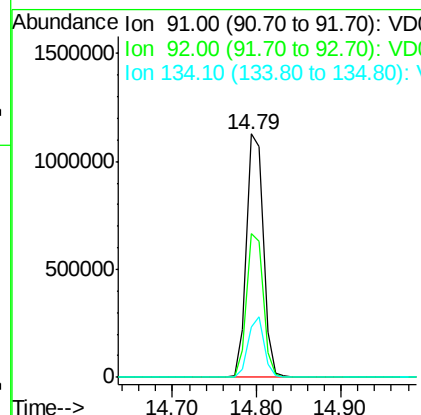
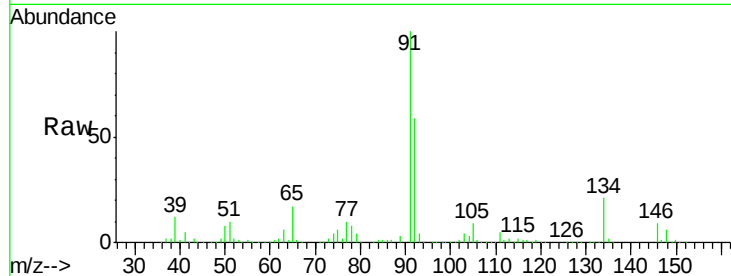
#89
n-Butylbenzene
Concen: 52.547 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1580908
Ion Ratio Lower Upper
91 100
92 58.9 29.4 88.3
134 20.8 10.4 31.2

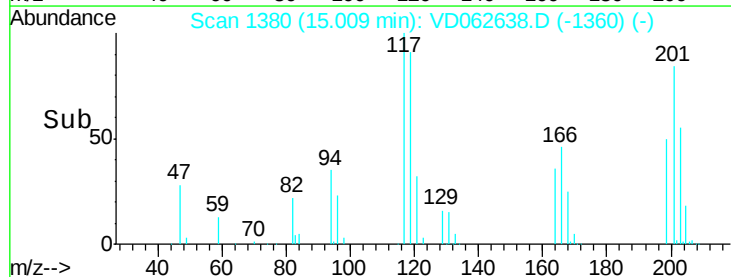
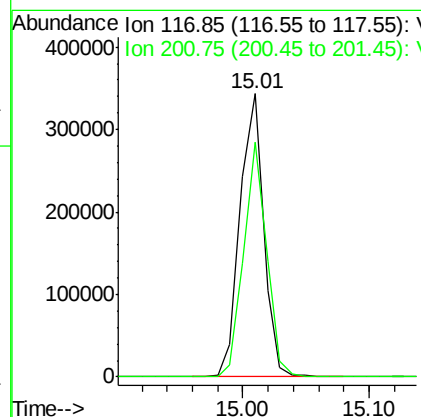
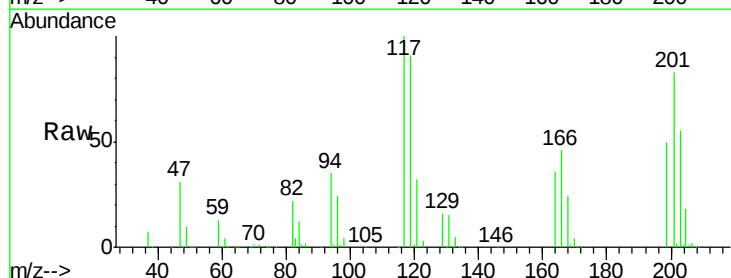
Manual Integrations
APPROVED

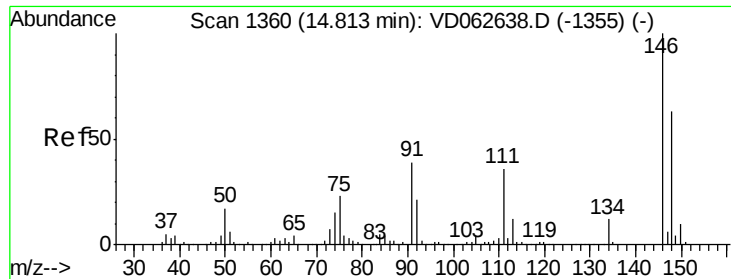
MMDadoda
6/11/2019 2:17:21 AM



#90
Hexachloroethane
Concen: 50.778 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion: 117 Resp: 441648
Ion Ratio Lower Upper
117 100
201 83.1 41.5 124.6





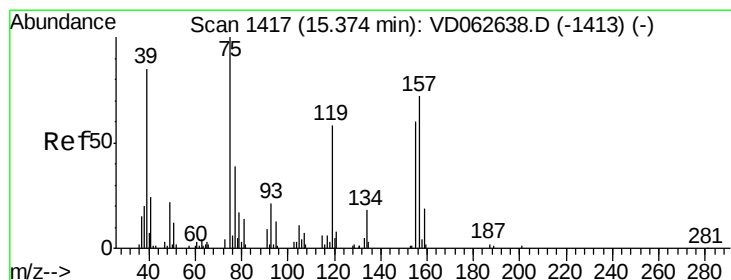
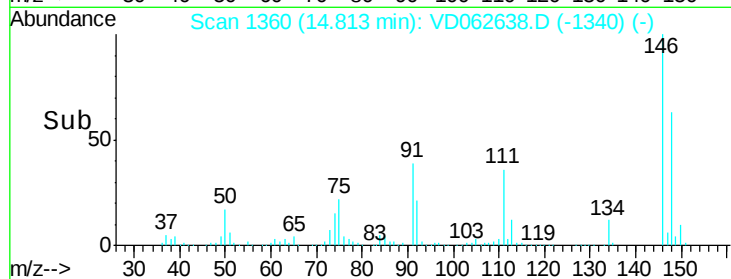
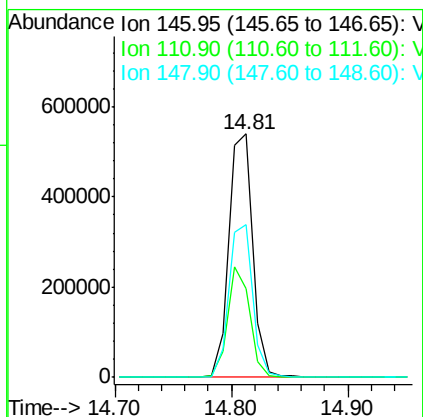
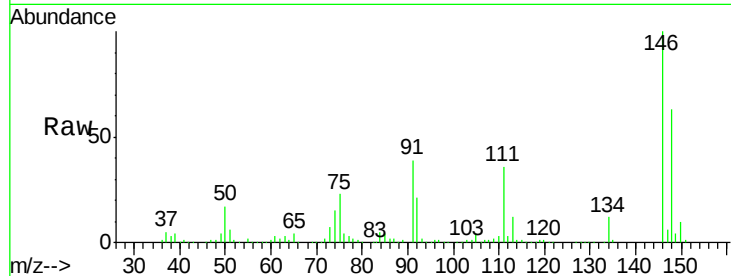
#91
 1,2-Dichlorobenzene
 Concen: 53.463 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	62.7	31.4	94.0

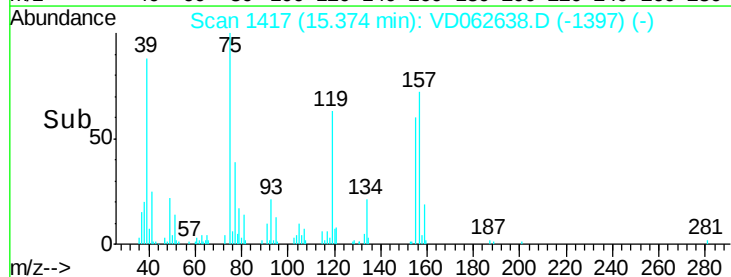
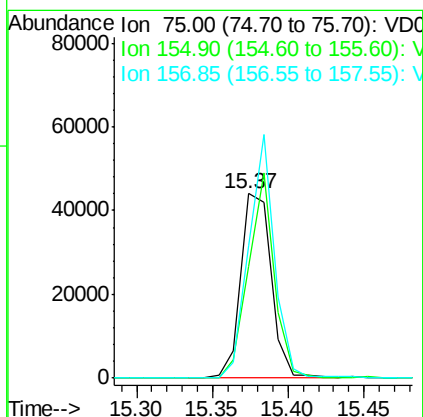
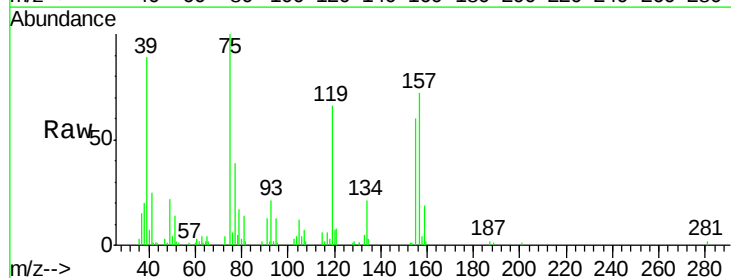
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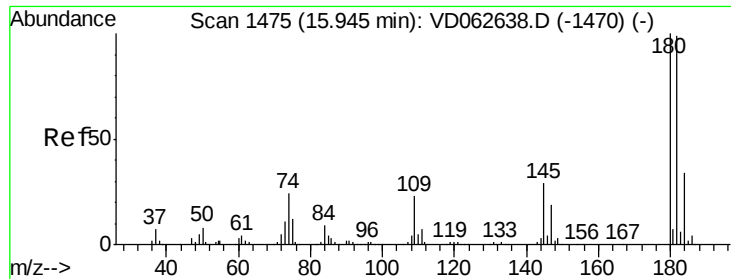
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.033 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	30.1	90.5
157	71.9	35.9	107.8





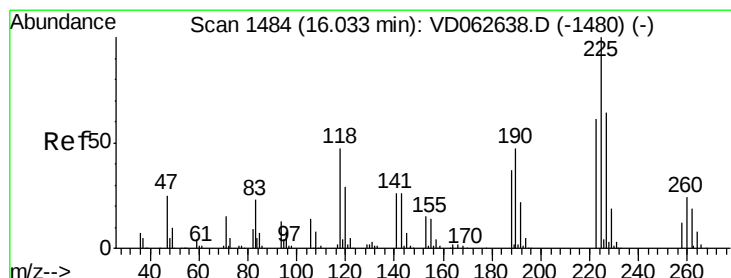
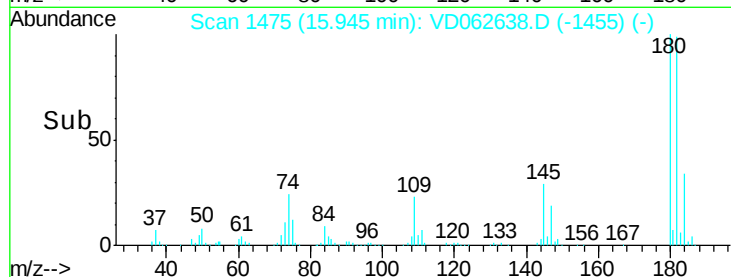
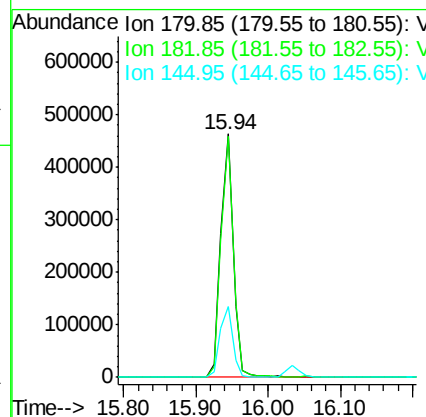
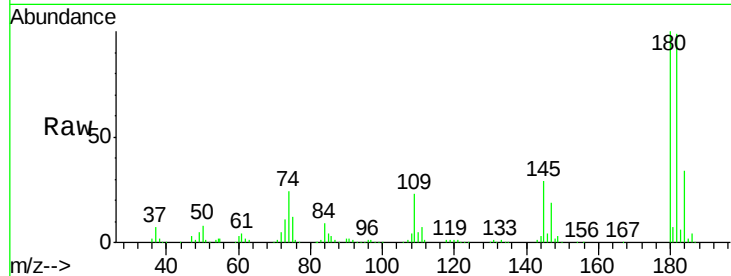
#93
 1,2,4-Trichlorobenzene
 Concen: 50.710 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	49.4	148.2
145	29.1	14.5	43.6

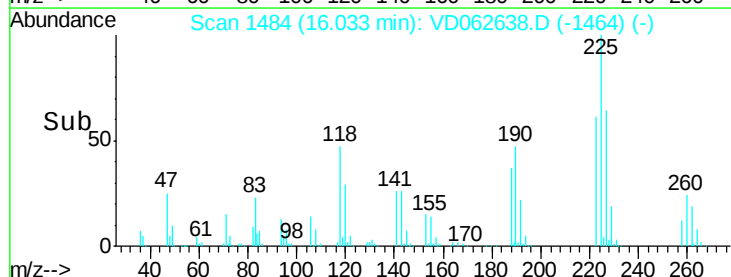
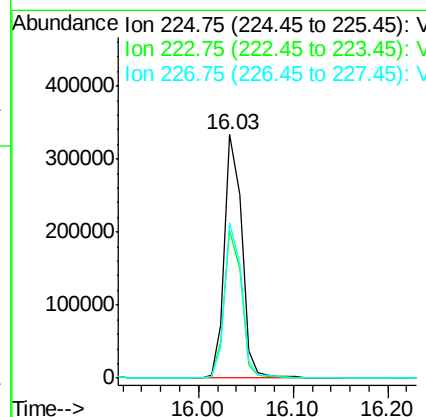
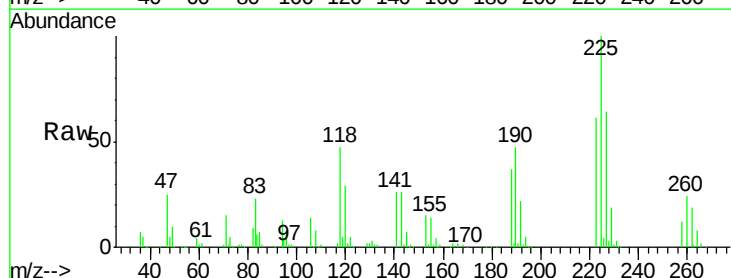
Manual Integrations
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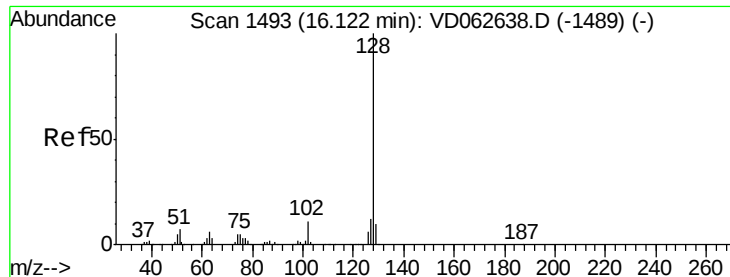
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 6/11/2019 2:17:21 AM



#94
 Hexachlorobutadiene
 Concen: 49.518 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062638.D
 Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.3	91.0
227	63.6	31.8	95.4





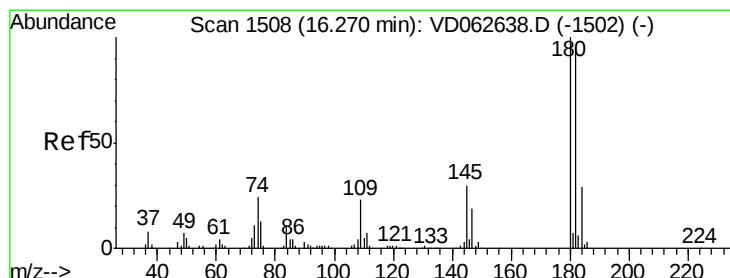
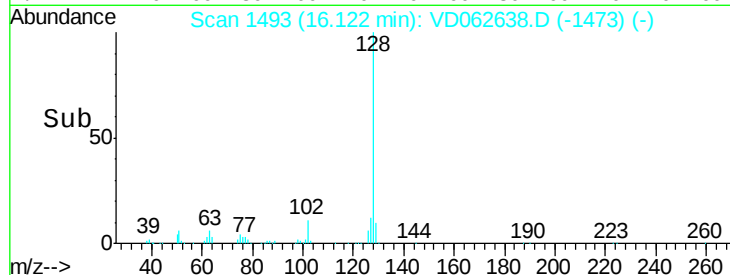
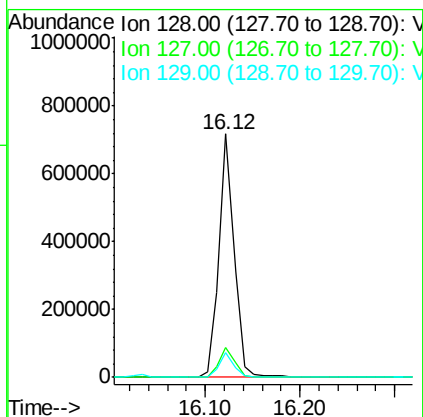
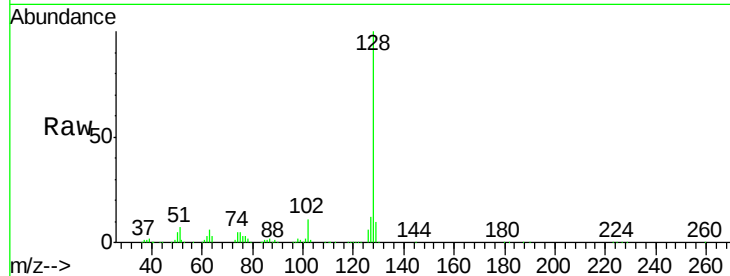
#95
Naphthalene
Concen: 53.026 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.981 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062638.D
Acq: 7 Jun 2019 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	30.0	15.0	45.0

