

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062295.D
 Acq On : 13 May 2019 10:22
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:36 AM

Quant Time: May 14 05:17:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	601958	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	889142	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	775118	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	403862	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	318841	57.00	ug/l	0.04
Spiked Amount			Recovery	=	114.00%	
35) Dibromofluoromethane	6.94	113	359061	48.67	ug/l	0.05
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	10.43	98	796364	44.77	ug/l	0.03
Spiked Amount			Recovery	=	89.54%	
62) 4-Bromofluorobenzene	13.57	95	365076	51.11	ug/l	0.02
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	314638	54.651	ug/l	98
3) Chloromethane	1.76	50	185211	44.522	ug/l	92
4) Vinyl Chloride	1.86	62	197166	48.226	ug/l	99
5) Bromomethane	2.16	94	77324	80.716	ug/l	93
6) Chloroethane	2.28	64	108855	63.452	ug/l	95
7) Trichlorofluoromethane	2.55	101	549616	69.148	ug/l	98
8) Diethyl Ether	2.88	74	62629	40.856	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.17	101	319467	53.132	ug/l	97
10) Methyl Iodide	3.31	142	370685	40.791	ug/l #	80
11) Tert butyl alcohol	4.08	59	70642	247.392	ug/l #	95
12) 1,1-Dichloroethene	3.15	96	229617	50.027	ug/l	88
13) Acrolein	3.05	56	54029	182.937	ug/l	90
14) Allyl chloride	3.64	41	321139	48.121	ug/l #	75
15) Acrylonitrile	4.22	53	169365	225.655	ug/l #	85
16) Acetone	3.23	43	343982	293.216	ug/l #	78
17) Carbon Disulfide	3.39	76	578785	43.836	ug/l	99
18) Methyl Acetate	3.66	43	99493	47.404	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	539987	54.888	ug/l	93
20) Methylene Chloride	3.82	84	235378	48.053	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	261543	51.208	ug/l	95
22) Diisopropyl ether	5.14	45	744562	52.429	ug/l	95
23) Vinyl Acetate	5.07	43	2099593	280.217	ug/l	96
24) 1,1-Dichloroethane	5.01	63	456978	53.341	ug/l	97
25) 2-Butanone	6.09	43	327583	256.002	ug/l	92
26) 2,2-Dichloropropane	6.04	77	539767	63.250	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	292867	51.228	ug/l	89
28) Bromochloromethane	6.46	49	226982	67.342	ug/l	89
29) Tetrahydrofuran	6.48	42	153187	259.819	ug/l	91
30) Chloroform	6.68	83	643289	62.305	ug/l	100
31) Cyclohexane	6.97	56	288691	49.186	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	618097	63.337	ug/l	99
36) 1,1-Dichloropropene	7.16	75	393400	53.963	ug/l	94
37) Ethyl Acetate	6.20	43	151733	49.078	ug/l #	91
38) Carbon Tetrachloride	7.13	117	640493m	63.477	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	338956	48.527	ug/l	94
40) Benzene	7.48	78	748572	45.473	ug/l	99
41) Methacrylonitrile	6.46	41	203925	53.975	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	438022	62.802	ug/l	91
43) Isopropyl Acetate	9.26	43	221405	50.496	ug/l #	91
44) Trichloroethene	8.56	130	309419	49.326	ug/l	81
45) 1,2-Dichloropropane	8.95	63	200740	49.299	ug/l	92
46) Dibromomethane	9.08	93	184740	55.792	ug/l	95
47) Bromodichloromethane	9.39	83	479309	59.179	ug/l	99
48) Methyl methacrylate	9.14	41	148648	55.039	ug/l #	84
49) 1,4-Dioxane	9.10	88	25529	876.085	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	697225	247.376	ug/l	89
52) Toluene	10.53	92	526570	49.162	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	412924	58.989	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	408054	53.434	ug/l #	84
55) 1,1,2-Trichloroethane	11.21	97	191308	50.481	ug/l	98
56) Ethyl methacrylate	11.06	69	199897	50.760	ug/l #	80
57) 1,3-Dichloropropane	11.42	76	296179	51.731	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	663597	308.488	ug/l	97
59) 2-Hexanone	11.55	43	560888	270.004	ug/l	92
60) Dibromochloromethane	11.70	129	365238	55.766	ug/l	97
61) 1,2-Dibromoethane	11.82	107	244547	53.077	ug/l	92
64) Tetrachloroethene	11.27	164	292196	48.208	ug/l	93
65) Chlorobenzene	12.41	112	651879	45.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	333747	53.118	ug/l	95
67) Ethyl Benzene	12.53	91	1237227	51.190	ug/l	94
68) m/p-Xylenes	12.68	106	770405	87.612	ug/l	85
69) o-Xylene	13.06	106	370033	45.263	ug/l	77
70) Styrene	13.08	104	620394	44.798	ug/l	94
71) Bromoform	13.24	173	234785	53.710	ug/l	98
73) Isopropylbenzene	13.41	105	1237647	51.124	ug/l	95
74) N-amyl acetate	13.27	43	307322	48.420	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	223091	48.678	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	248536	51.783	ug/l	99
77) Bromobenzene	13.68	156	336604	49.669	ug/l	88
78) n-propylbenzene	13.78	91	1506391	52.163	ug/l	96
79) 2-Chlorotoluene	13.85	91	923105	55.813	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1073093	52.639	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	66915	49.386	ug/l #	71
82) 4-Chlorotoluene	13.95	91	1070839	55.021	ug/l	79
83) tert-Butylbenzene	14.20	119	1174921	51.277	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1064486	52.035	ug/l	91
85) sec-Butylbenzene	14.37	105	1143465	45.516	ug/l	96
86) p-Isopropyltoluene	14.50	119	1097821	48.911	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	603306	48.733	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	593123	48.761	ug/l	98
89) n-Butylbenzene	14.81	91	1105584	54.877	ug/l	95
90) Hexachloroethane	15.01	117	319693	52.375	ug/l	86
91) 1,2-Dichlorobenzene	14.82	146	522084	51.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41128	54.669	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	389951	52.547	ug/l	98
94) Hexachlorobutadiene	16.05	225	303493	54.986	ug/l	99
95) Naphthalene	16.13	128	561714	54.217	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	279229	59.845	ug/l	97

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

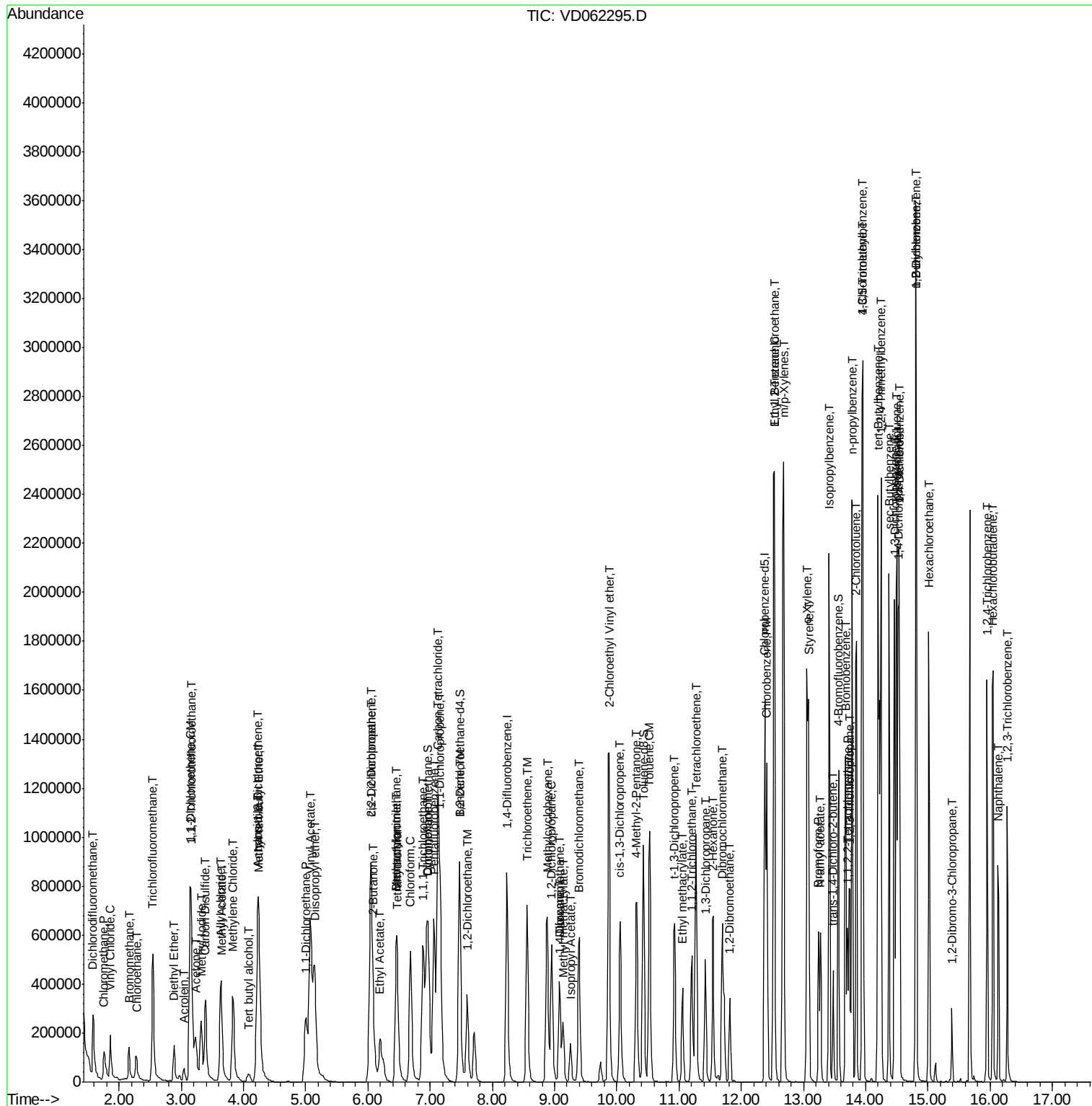
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
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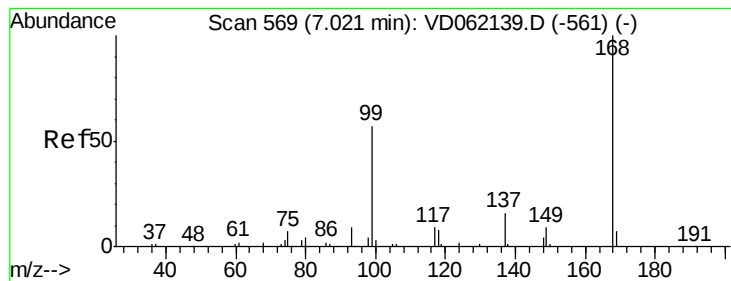
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 601958

Ion Ratio Lower Upper

168 100

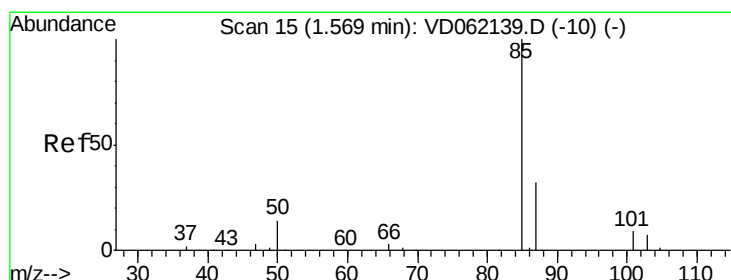
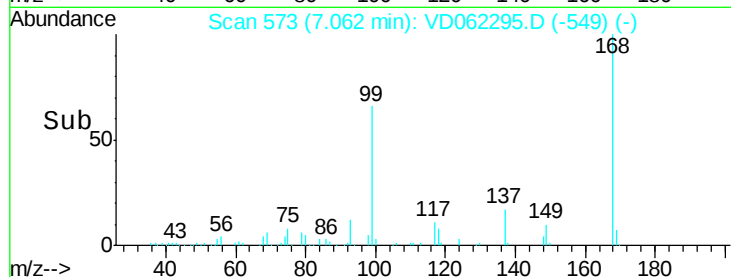
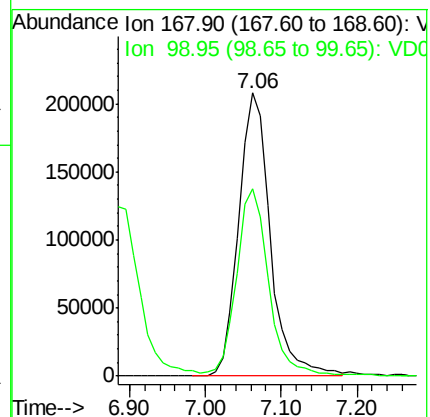
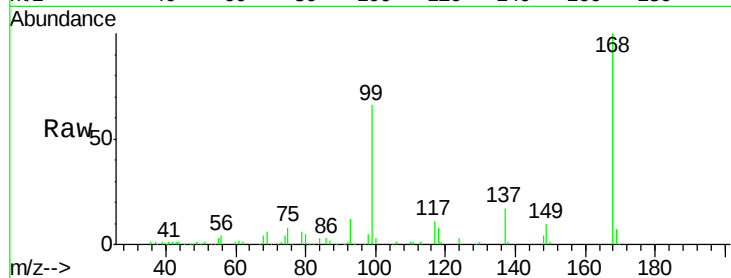
99 66.3 46.5 69.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.651 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062295.D

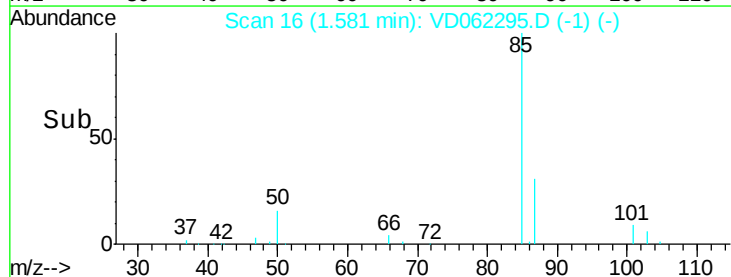
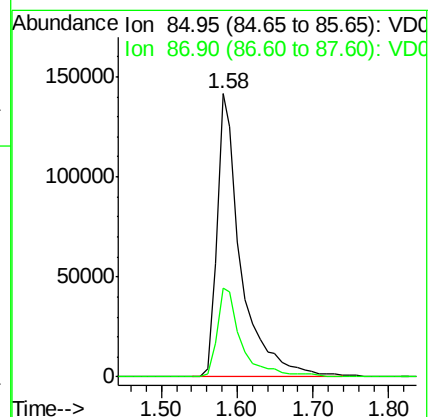
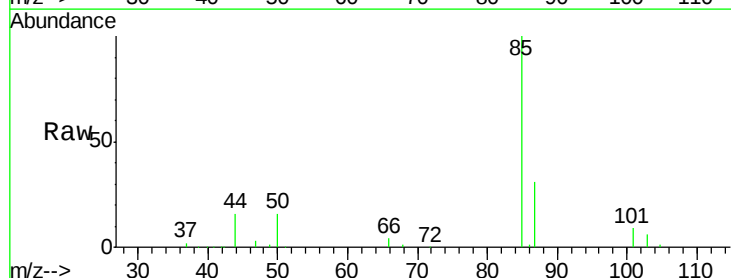
Acq: 13 May 2019 10:22

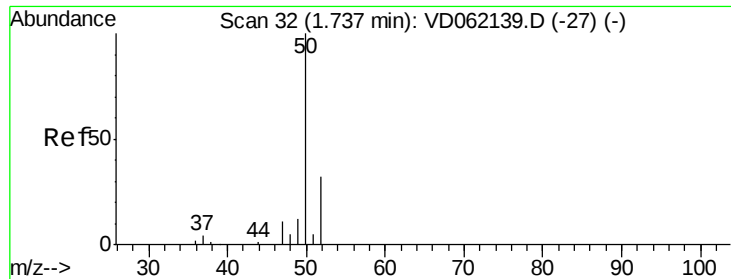
Tgt Ion: 85 Resp: 314638

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6





#3

Chloromethane

Concen: 44.522 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 185211

Ion Ratio Lower Upper

50 100

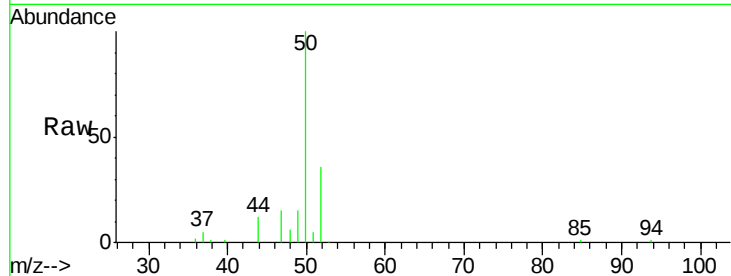
52 35.8 25.2 37.8

Manual Integrations

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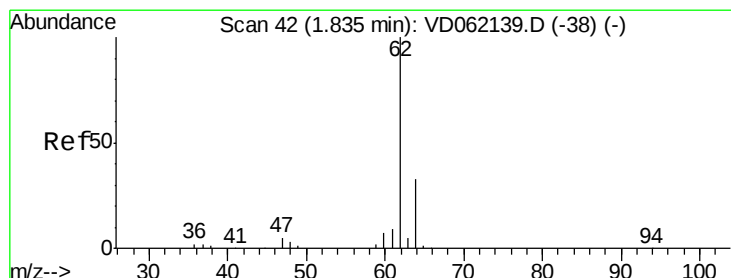
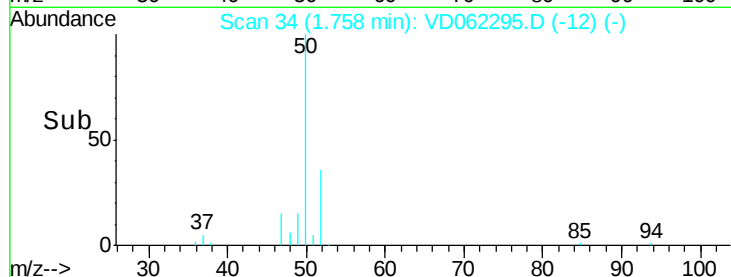
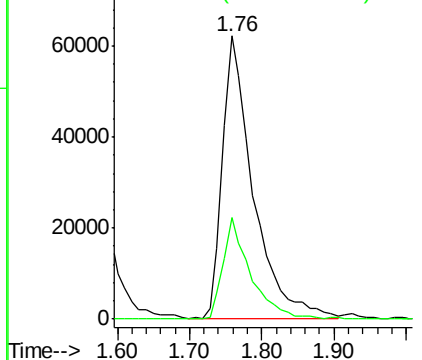
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.226 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062295.D

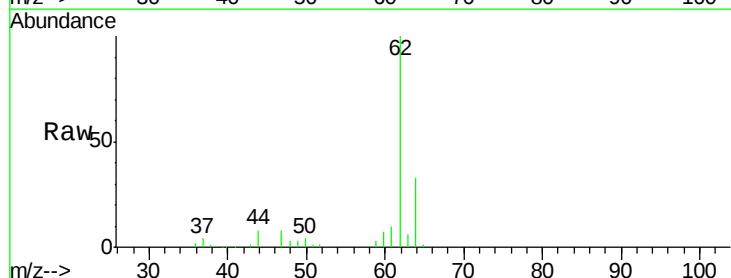
Acq: 13 May 2019 10:22

Tgt Ion: 62 Resp: 197166

Ion Ratio Lower Upper

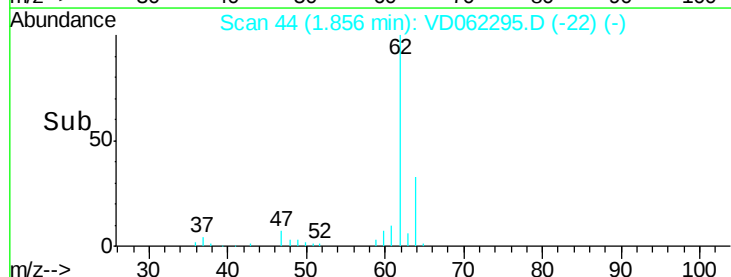
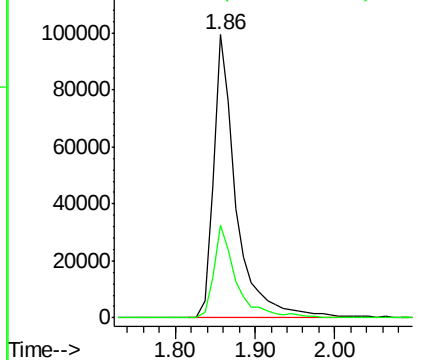
62 100

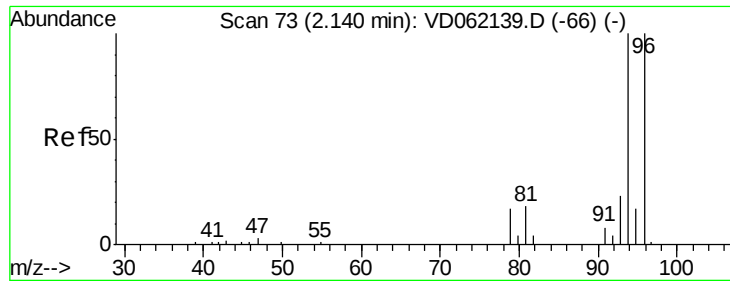
64 32.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 80.716 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

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Tot Ion: 94 Resp: 77324

Ion Ratio Lower Upper

94 100

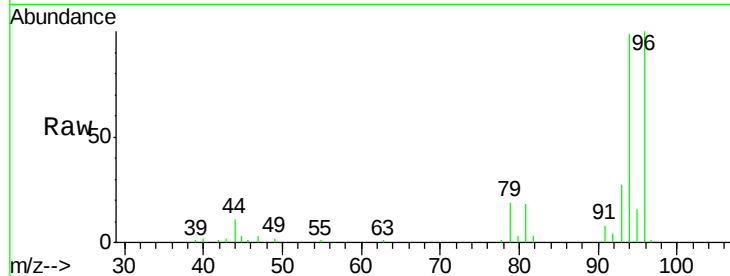
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93 26.9 18.5 27.7

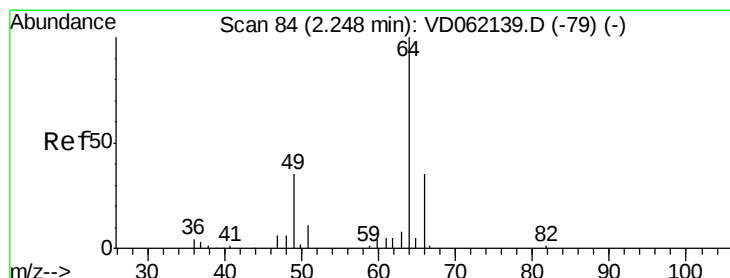
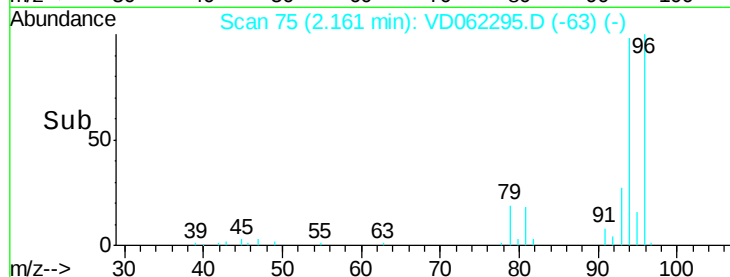
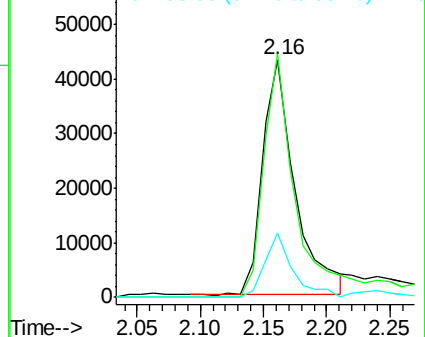
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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 63.452 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062295.D

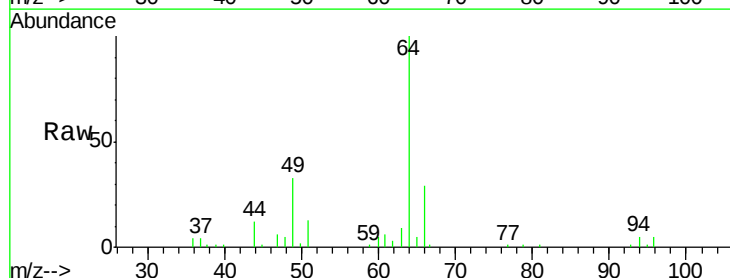
Acq: 13 May 2019 10:22

Tgt Ion: 64 Resp: 108855

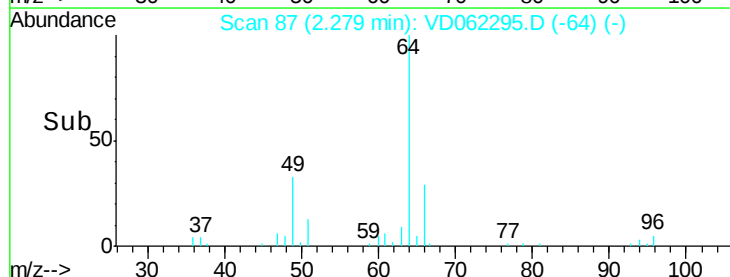
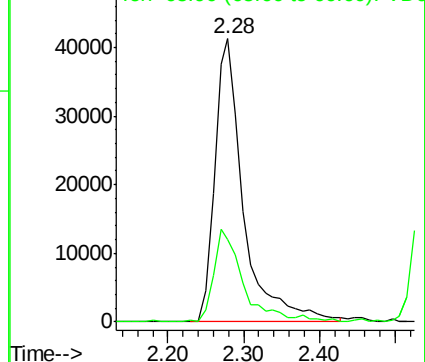
Ion Ratio Lower Upper

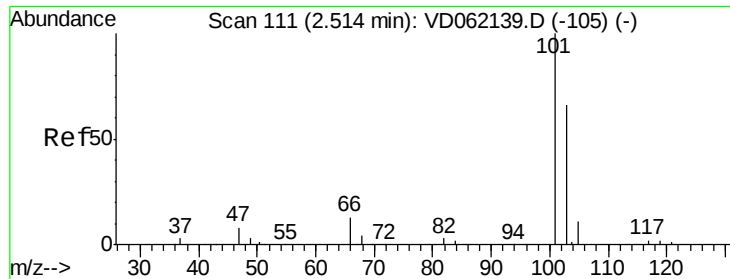
64 100

66 29.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

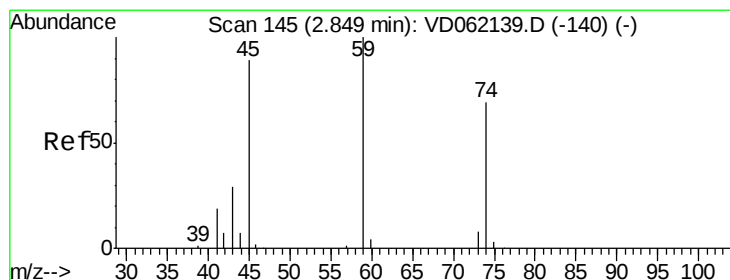
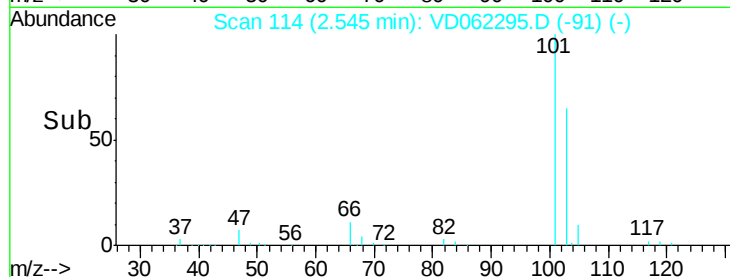
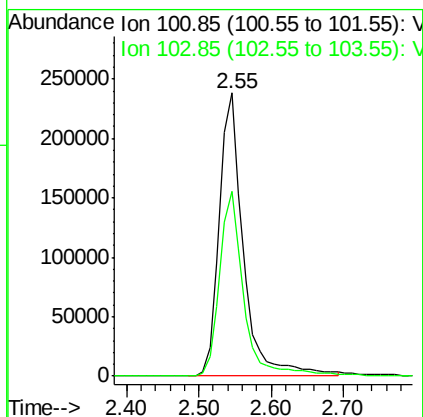
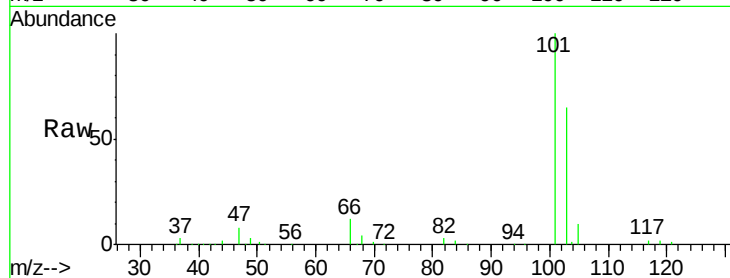
Trichlorofluoromethane
Concen: 69.148 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

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Tot Ion: 101 Resp: 549616
Ion Ratio Lower Upper
101 100
103 65.3 53.6 80.4

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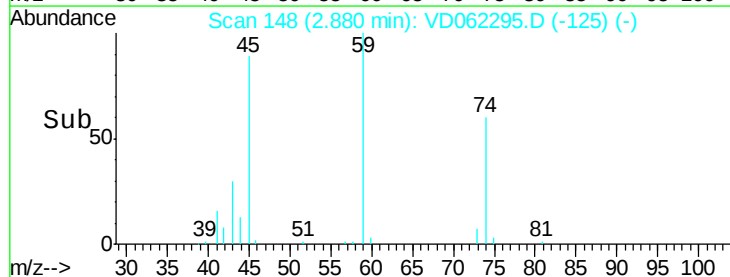
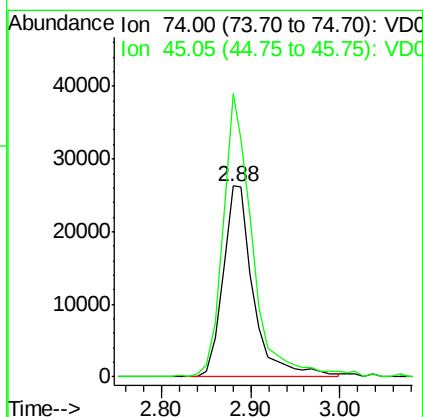
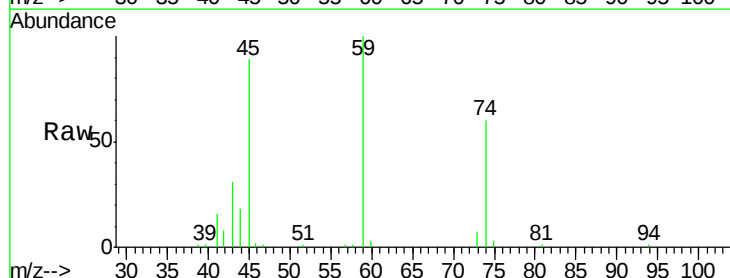
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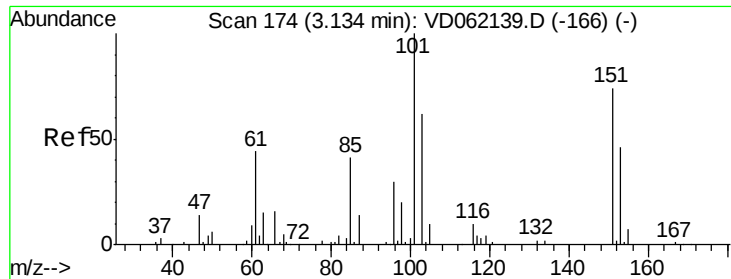


#8

Diethyl Ether
Concen: 40.856 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion: 74 Resp: 62629
Ion Ratio Lower Upper
74 100
45 152.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.132 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

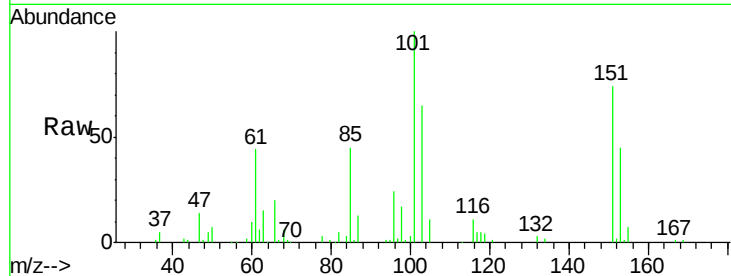
ClientSampleId :

VSTDCCC050

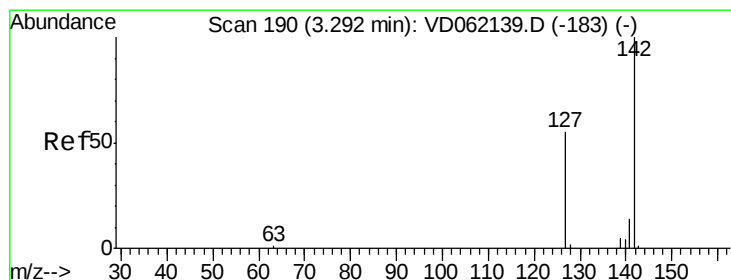
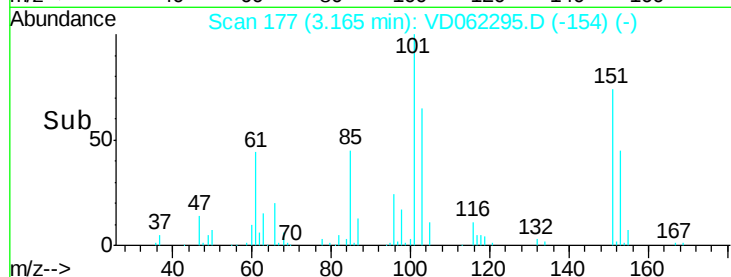
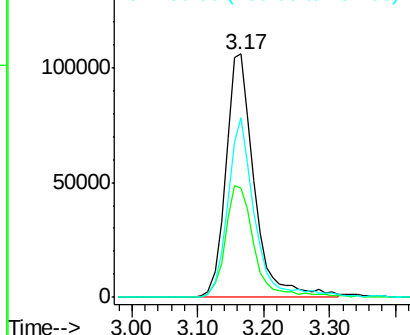
Tot Ion:	101	Resp:	319467
Ion Ratio	Lower	Upper	
101	100		
85	45.0	32.4	48.6
151	73.8	59.4	89.0

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 40.791 ug/l

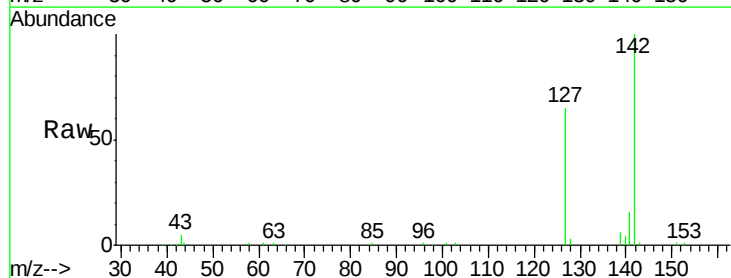
RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

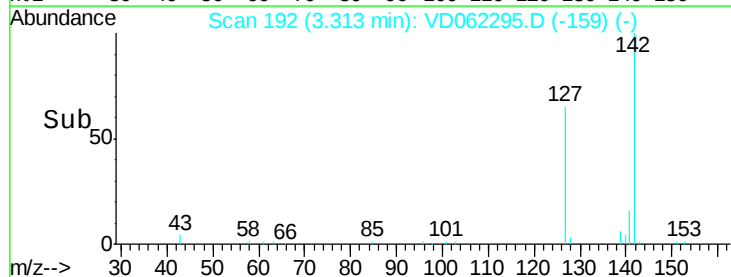
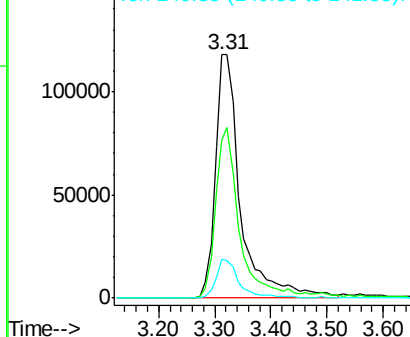
Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion:	142	Resp:	370685
Ion Ratio	Lower	Upper	
142	100		
127	65.0	38.8	58.2#
141	16.1	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





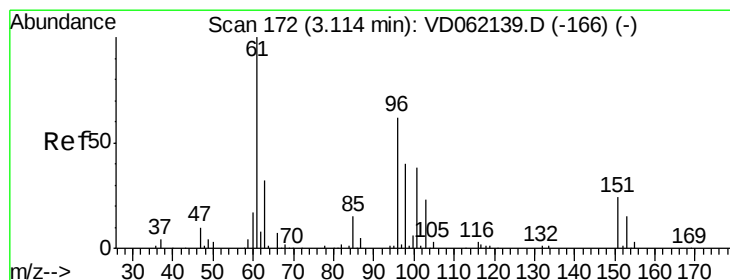
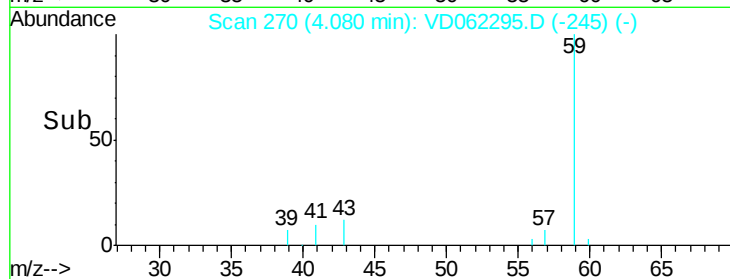
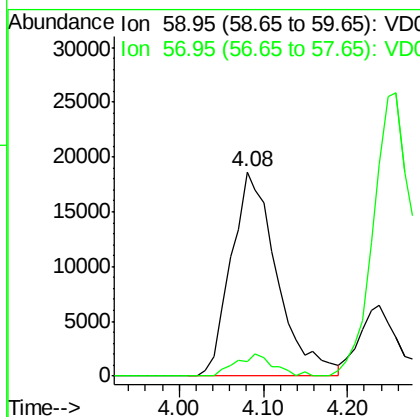
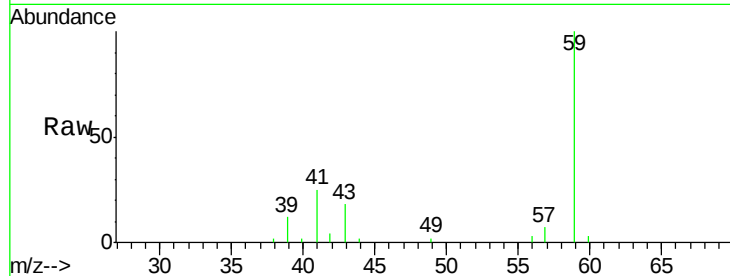
#11
Tert butyl alcohol
Concen: 247.392 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	6.8	Resp:	70642	Lower	6.9	Upper	10.3#
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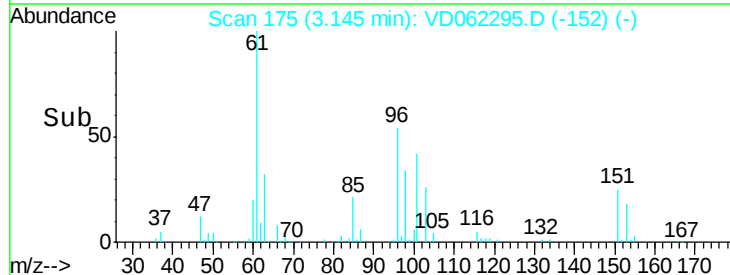
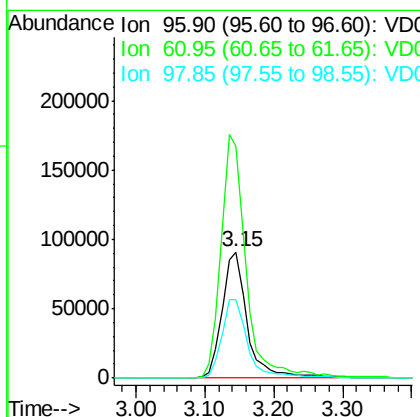
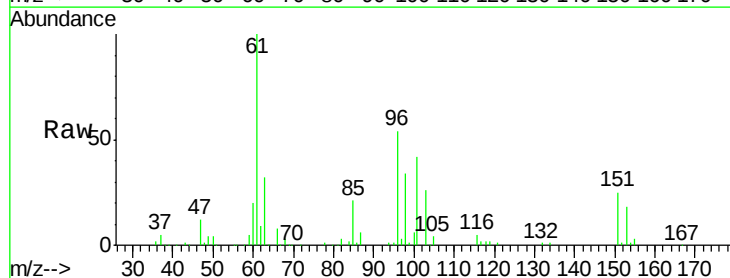
Manual Integrations
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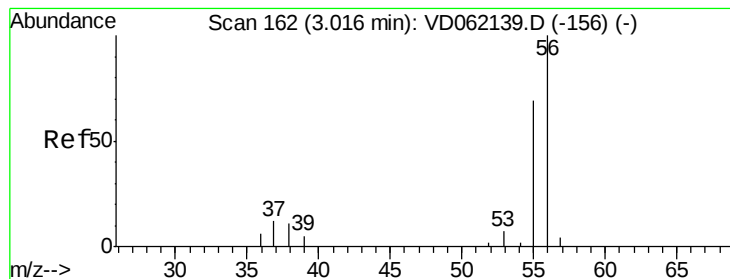
MMDadoda
5/14/2019 9:50:36 AM



#12
1,1-Dichloroethene
Concen: 50.027 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	96	61	98	Ratio	100	183.5	62.4	Resp:	229617	Lower	129.8	51.2	Upper	194.8	76.8
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#13

Acrolein

Concen: 182.937 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 54029

Ion Ratio Lower Upper

56 100

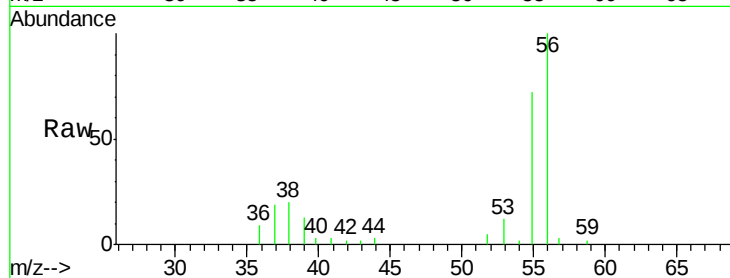
55 72.3 51.4 77.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

0

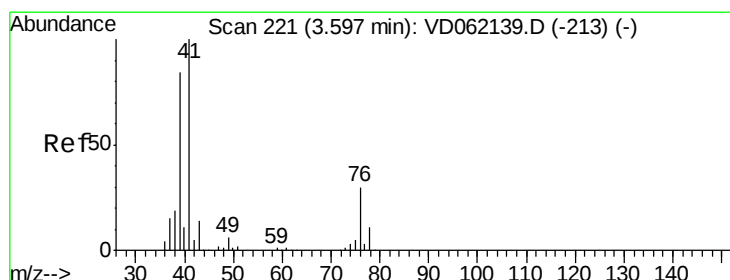
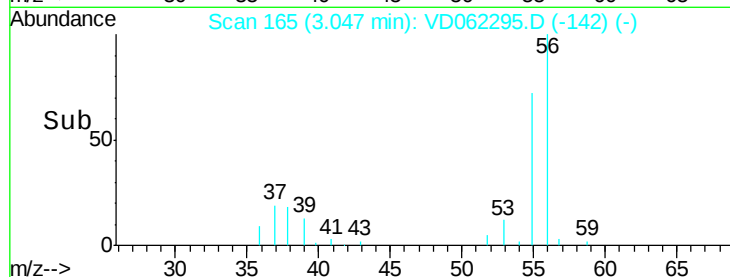
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 48.121 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

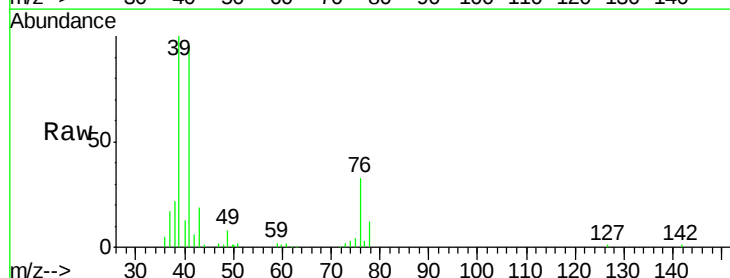
Tgt Ion: 41 Resp: 321139

Ion Ratio Lower Upper

41 100

39 104.0 60.5 90.7#

76 34.7 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

50000

0

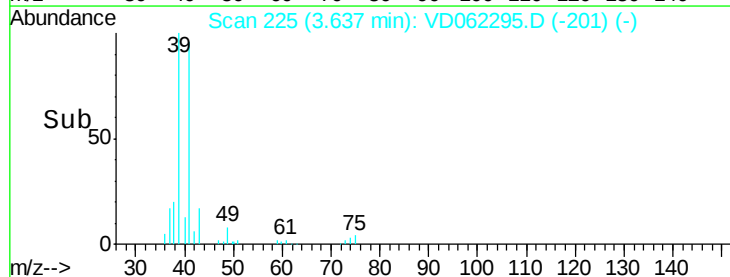
Time-->

3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 225.655 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 169365

Ion Ratio Lower Upper

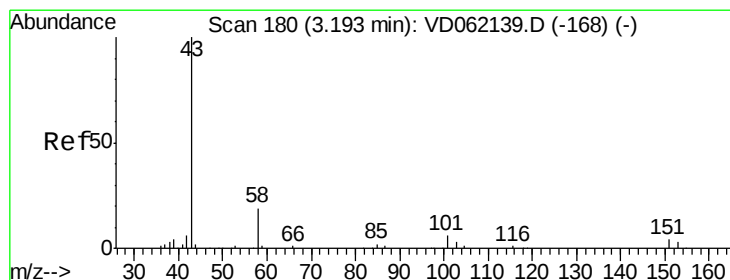
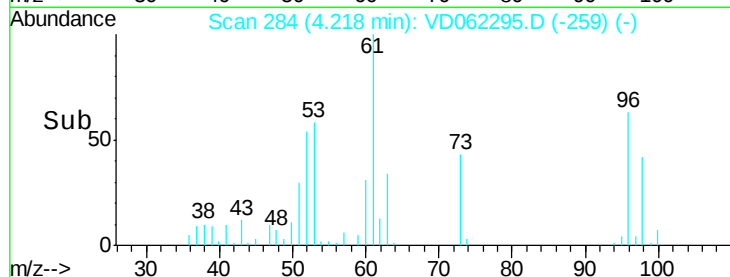
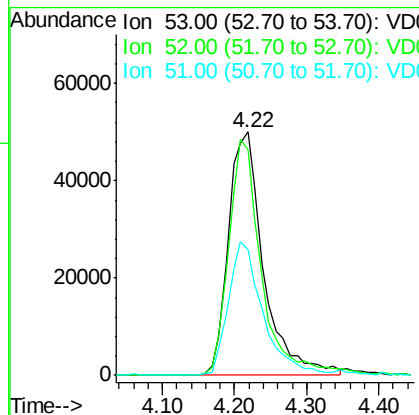
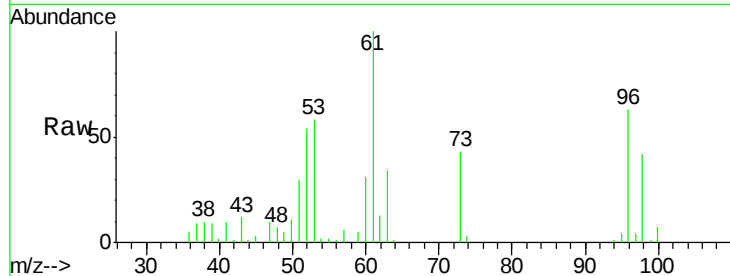
53 100

52 92.9 65.0 97.4

51 51.9 32.6 48.8#

Manual Integrations
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#16

Acetone

Concen: 293.216 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062295.D

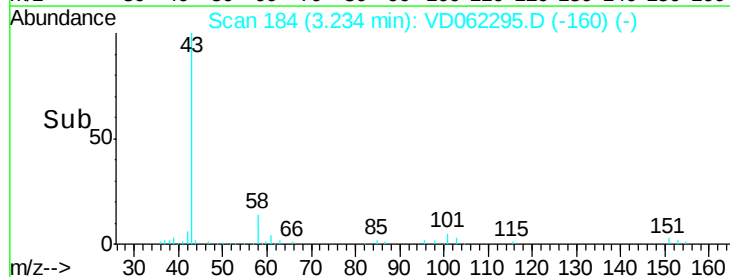
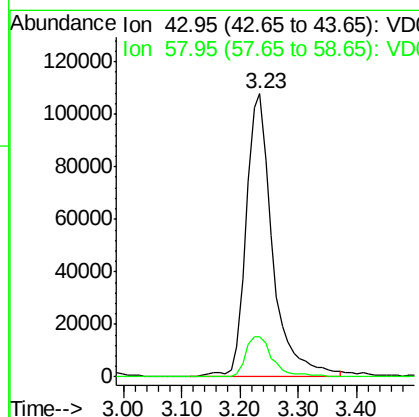
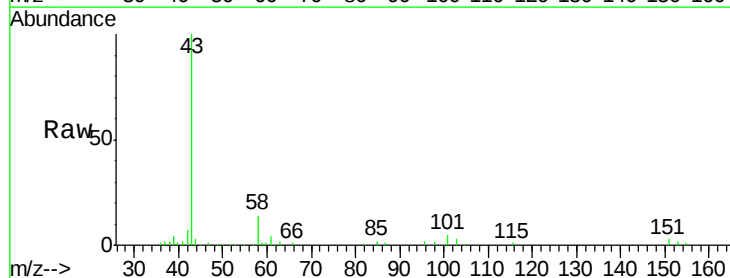
Acq: 13 May 2019 10:22

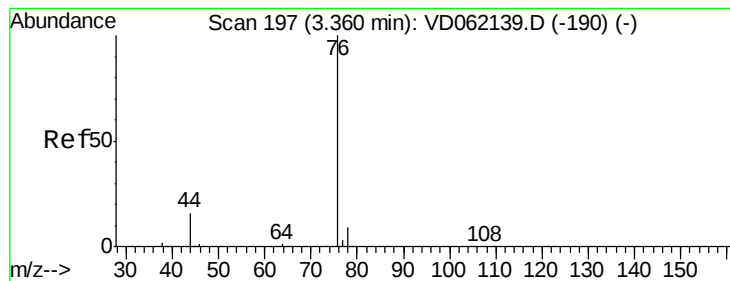
Tgt Ion: 43 Resp: 343982

Ion Ratio Lower Upper

43 100

58 14.1 19.9 29.9#





#17

Carbon Disulfide

Concen: 43.836 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 578785

Ion Ratio Lower Upper

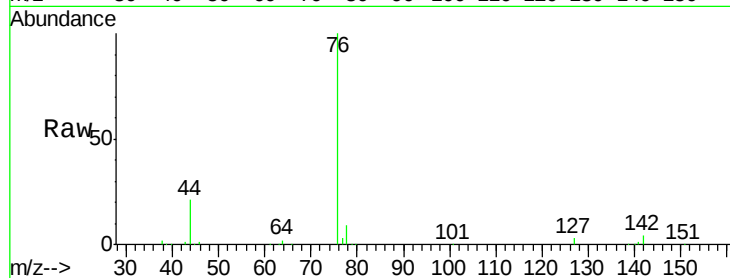
76 100

78 8.8 7.2 10.8

Manual Integrations
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MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

250000

200000

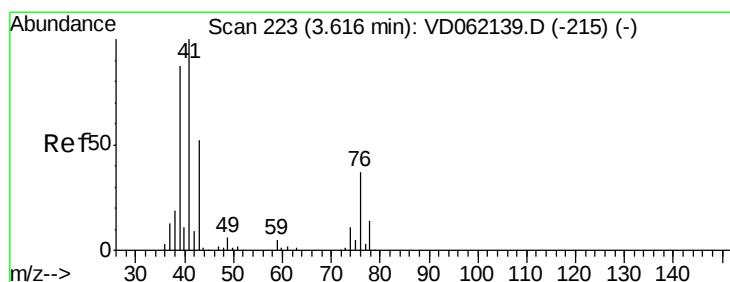
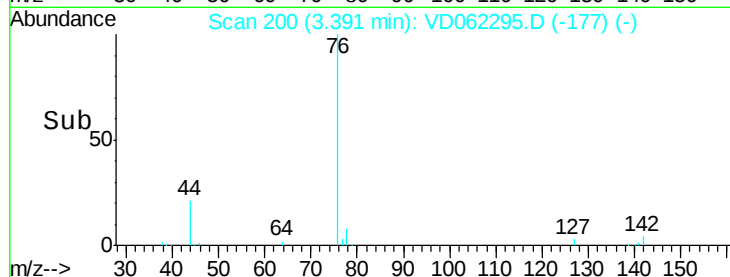
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.404 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062295.D

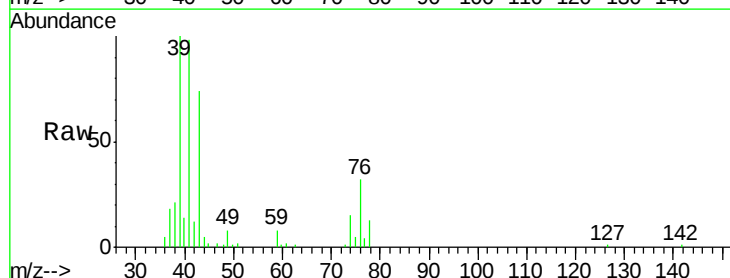
Acq: 13 May 2019 10:22

Tgt Ion: 43 Resp: 99493

Ion Ratio Lower Upper

43 100

74 20.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

40000

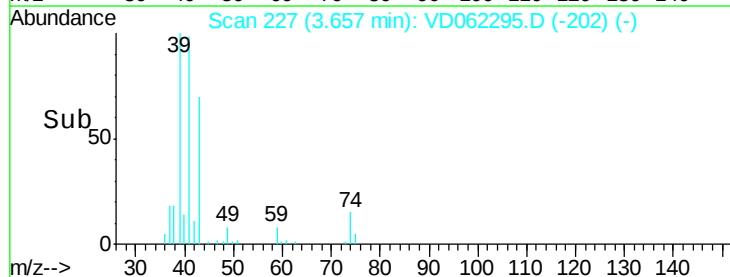
30000

20000

10000

0

Time-->





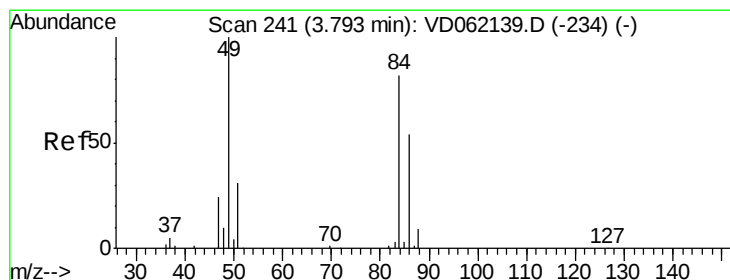
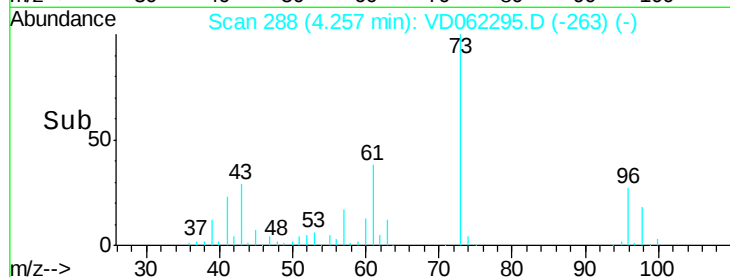
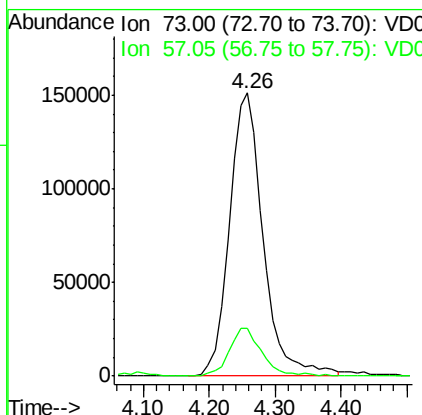
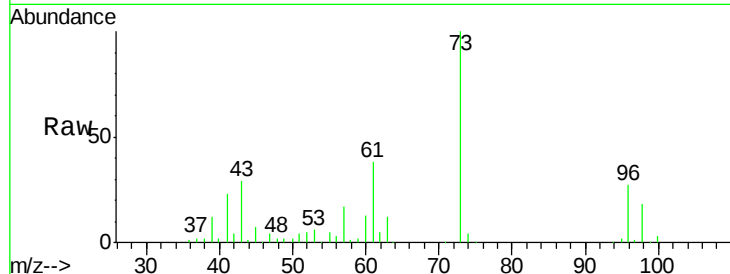
#19
Methvl tert-butvl Ether
Concen: 54.888 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 539987
Ion Ratio Lower Upper
73 100
57 17.1 16.3 24.5

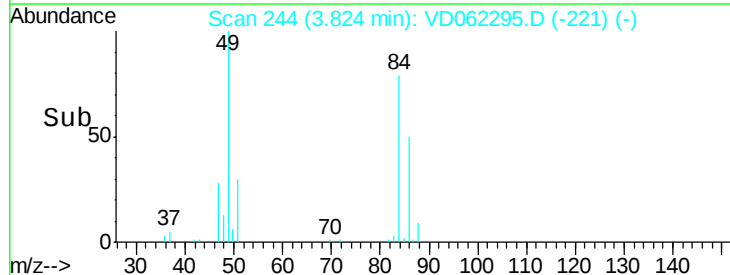
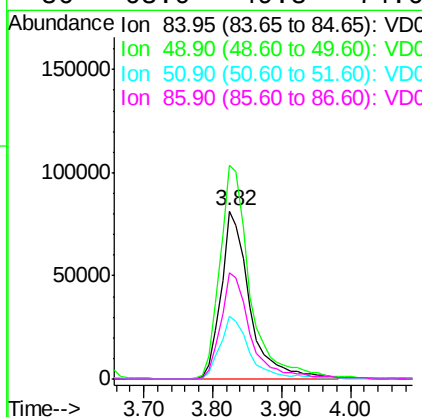
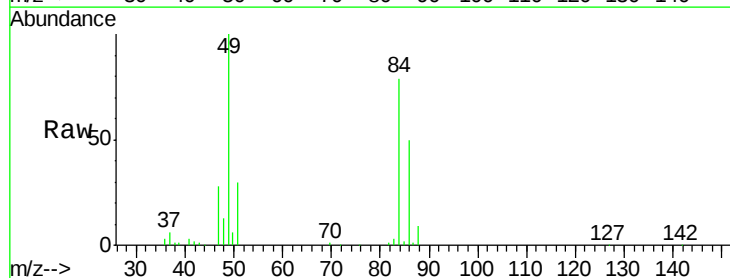
Manual Integrations
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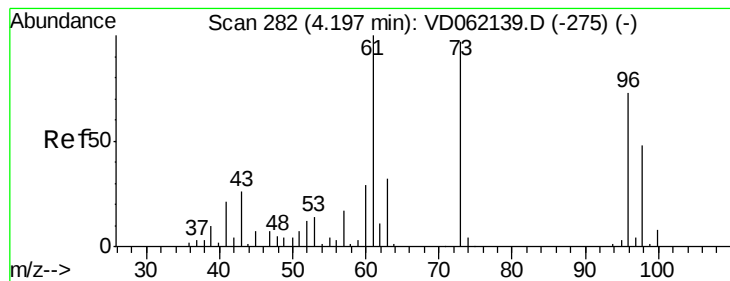
MMDadoda
5/14/2019 9:50:36 AM



#20
Methylene Chloride
Concen: 48.053 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion: 84 Resp: 235378
Ion Ratio Lower Upper
84 100
49 127.0 94.0 141.0
51 37.5 29.0 43.4
86 63.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 51.208 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 261543

Ion Ratio Lower Upper

96 100

61 137.4 104.4 156.6

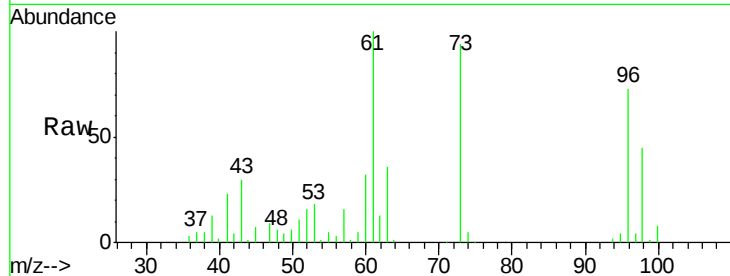
98 62.2 51.8 77.8

Manual Integrations

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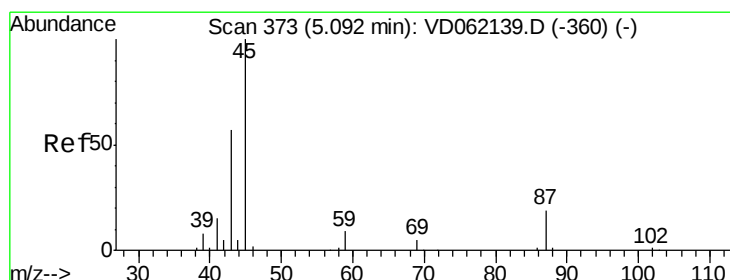
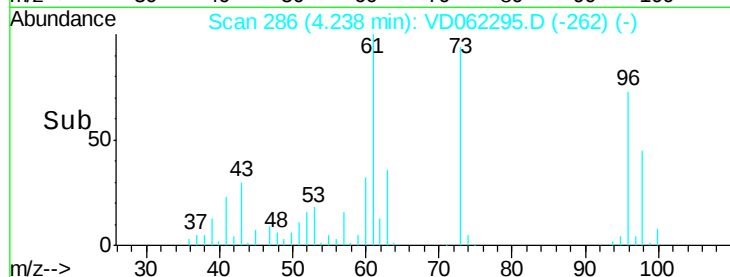
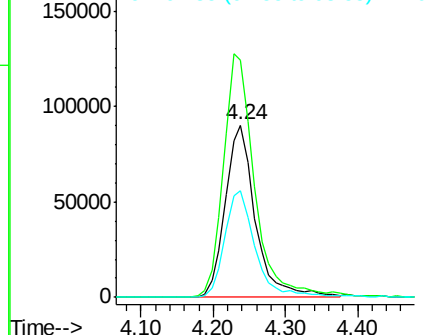
5/14/2019 9:50:36 AM



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: 52.429 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion: 45 Resp: 744562

Ion Ratio Lower Upper

45 100

43 63.0 46.2 69.2

87 19.1 15.9 23.9

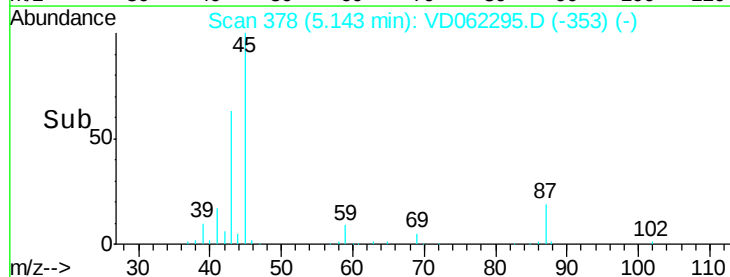
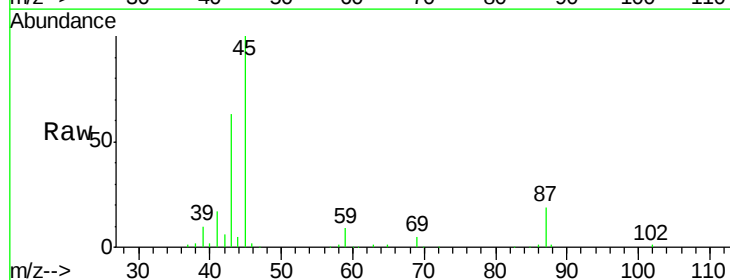
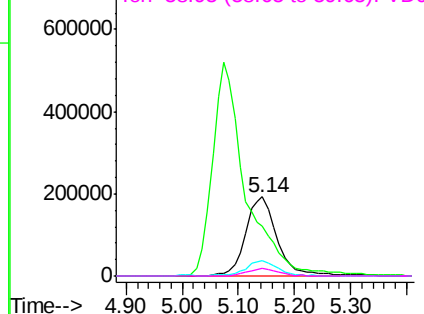
59 9.2 7.9 11.9

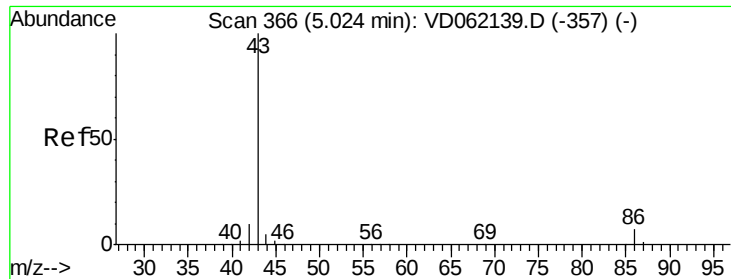
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 280.217 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2099593

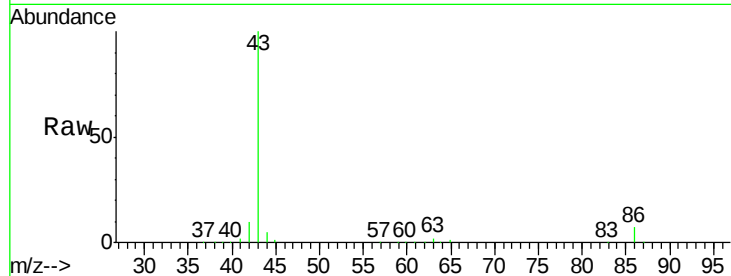
Ion Ratio Lower Upper

43 100

86 6.6 6.4 9.6

Manual Integrations
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5/14/2019 9:50:36 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

600000

500000

400000

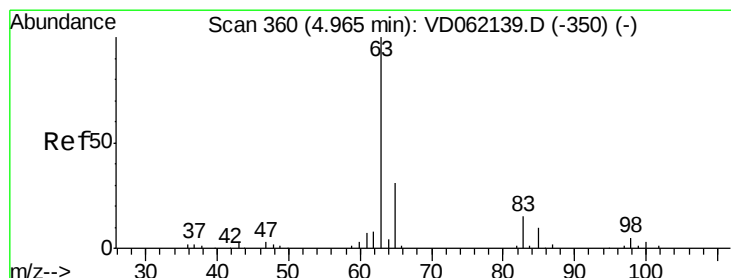
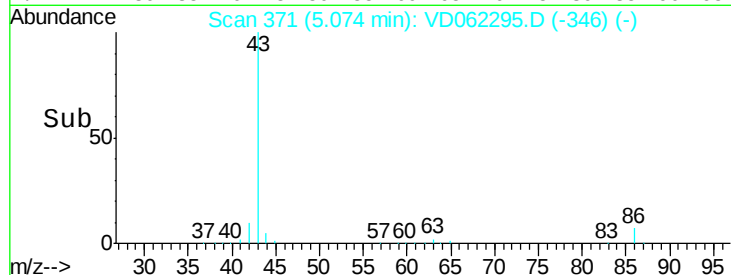
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 53.341 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

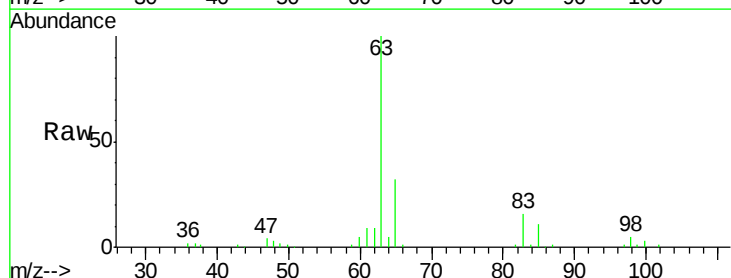
Tgt Ion: 63 Resp: 456978

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 2.7 1.8 5.5



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

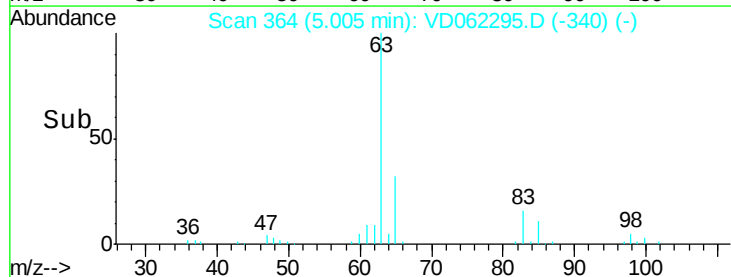
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 256.002 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 327583

Ion Ratio Lower Upper

43 100

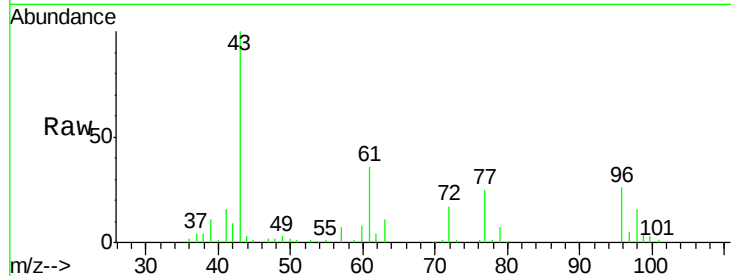
72 16.7 16.2 24.4

Manual Integrations

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MMDadoda

5/14/2019 9:50:36 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

120000

100000

80000

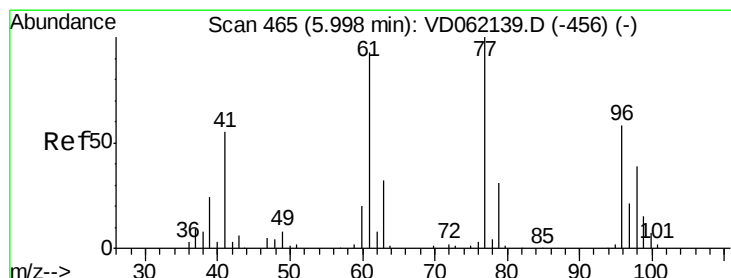
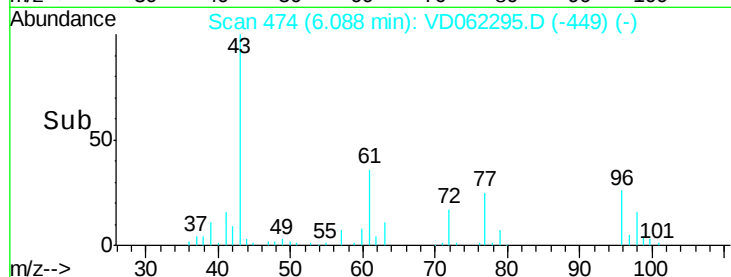
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 63.250 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062295.D

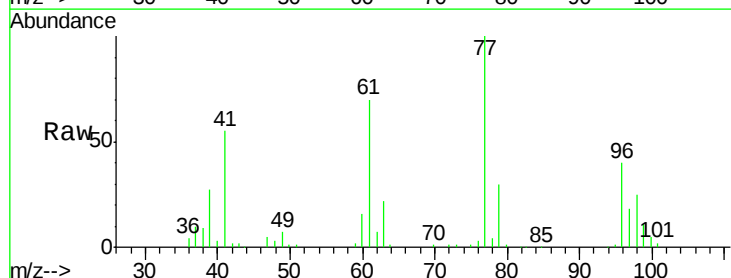
Acq: 13 May 2019 10:22

Tgt Ion: 77 Resp: 539767

Ion Ratio Lower Upper

77 100

97 17.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

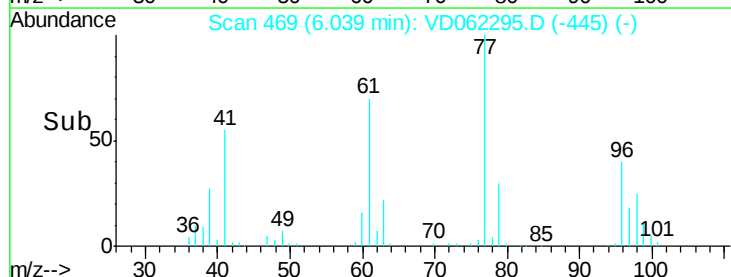
150000

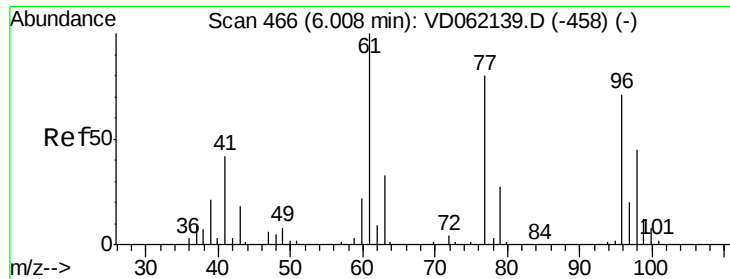
100000

50000

0

Time-->





#27

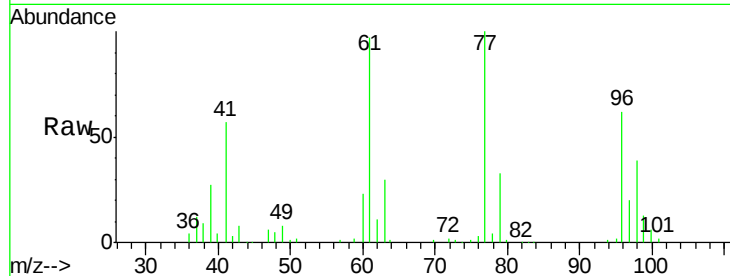
cis-1,2-Dichloroethene
Concen: 51.228 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

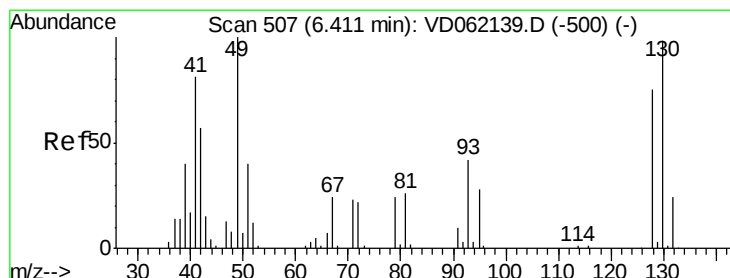
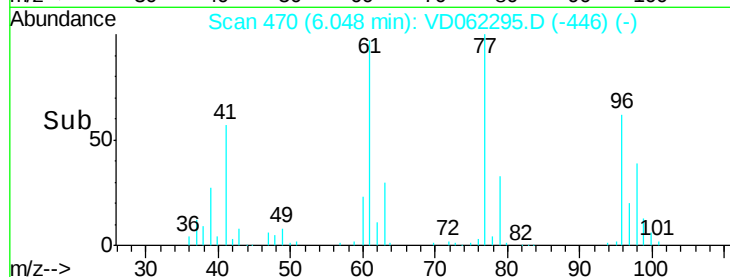
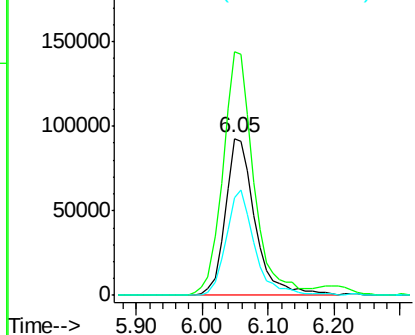
Tot Ion	Ratio	Resp	Lower	Upper
96	100	292867		
61	155.0	0.0	279.8	
98	62.2	0.0	136.0	

Manual Integrations
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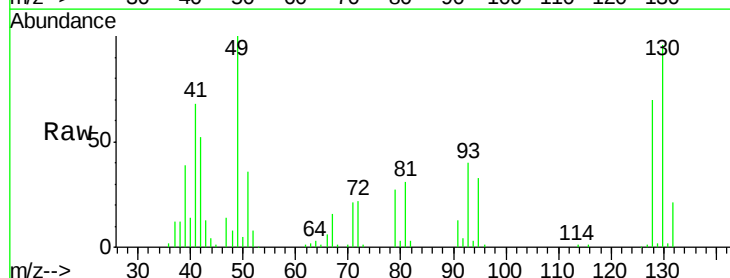
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



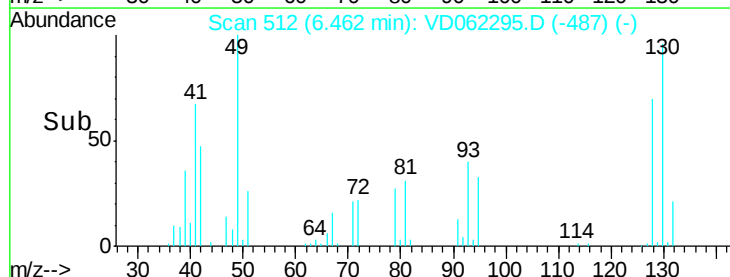
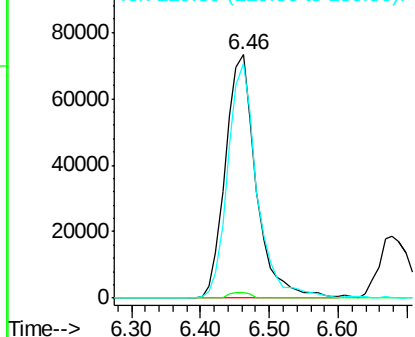
#28

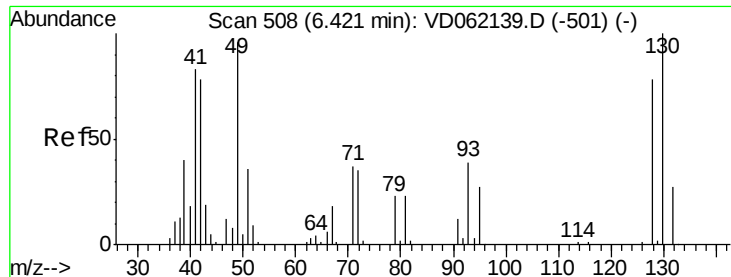
Bromochloromethane
Concen: 67.342 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	226982		
129	2.3	0.0	6.6	
130	96.3	86.7	130.1	



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





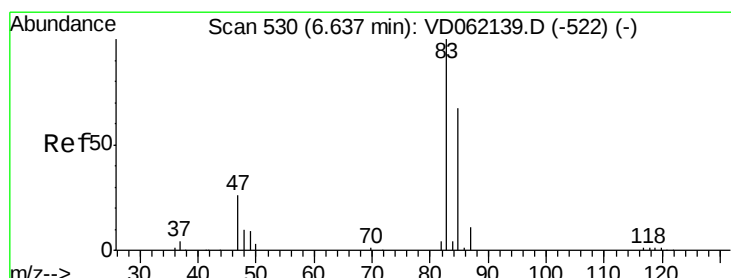
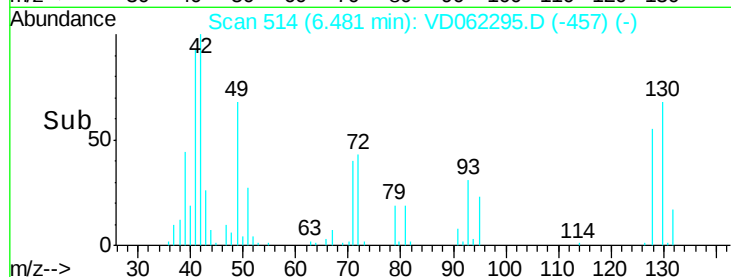
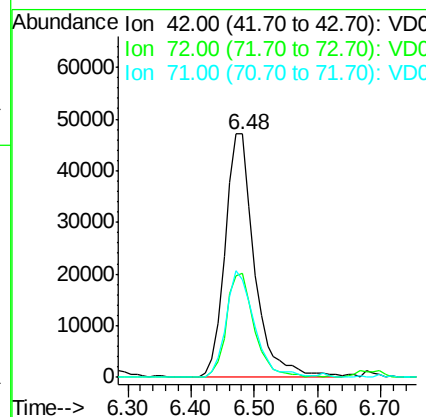
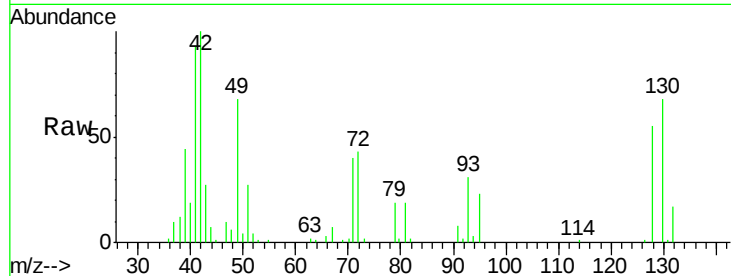
#29
Tetrahydrofuran
Concen: 259.819 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	37.8	56.6
71	41.8	36.7	55.1

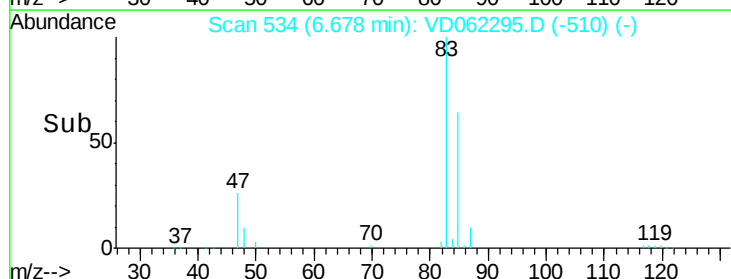
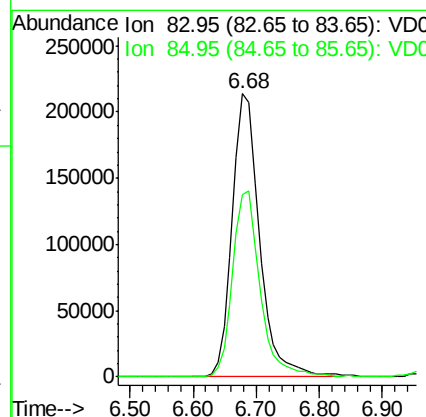
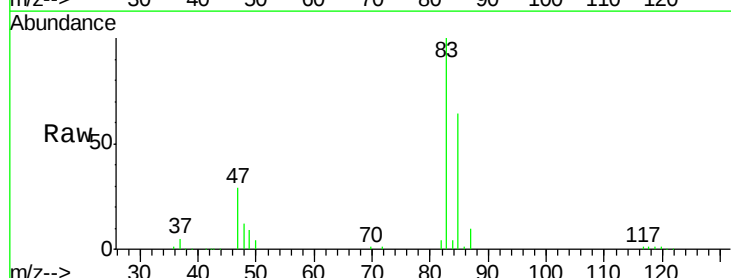
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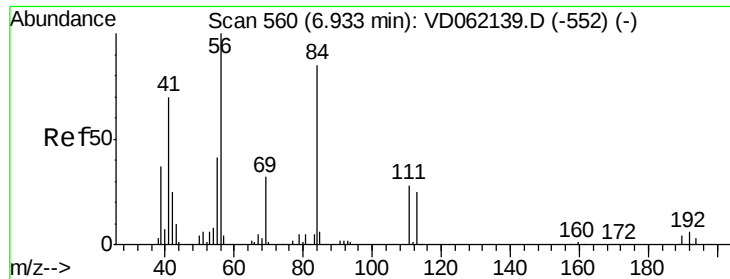
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#30
Chloroform
Concen: 62.305 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.7	77.5





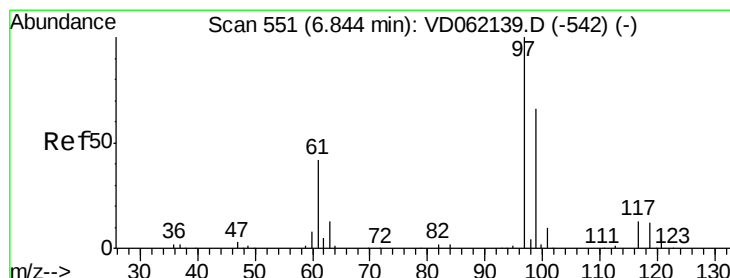
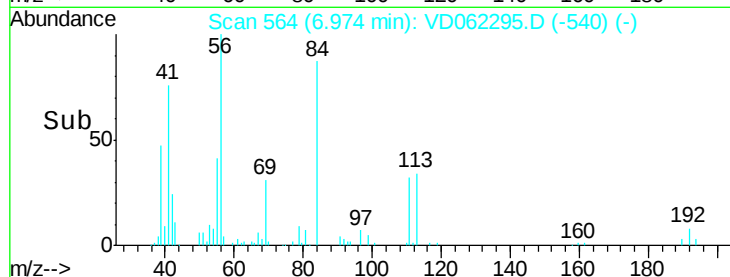
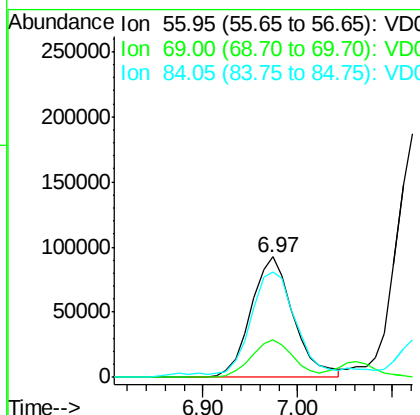
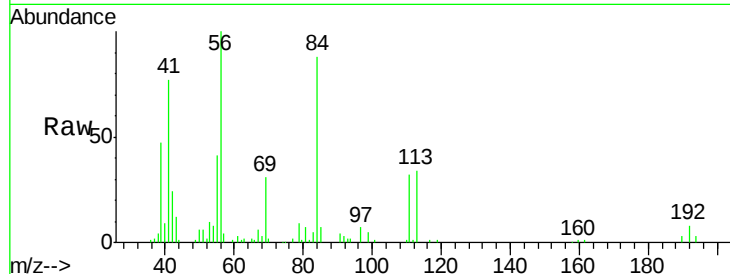
#31
Cvclohexane
Concen: 49.186 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.8	38.6
84	87.6	72.2	108.4

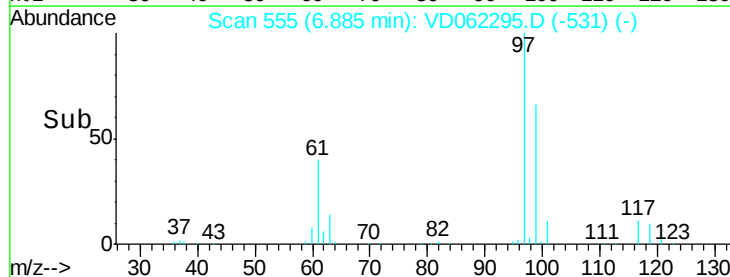
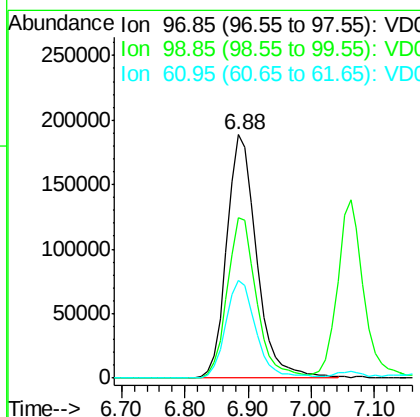
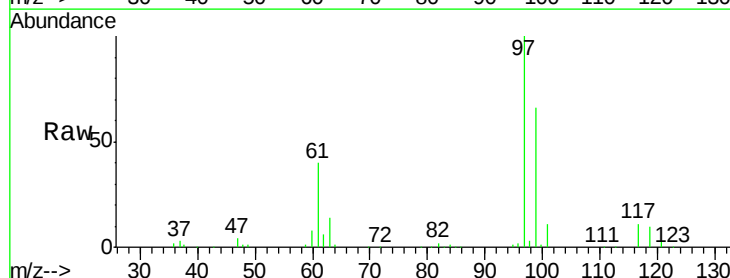
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#32
1,1,1-Trichloroethane
Concen: 63.337 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.2
61	39.9	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 56.996 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 318841

Ion Ratio Lower Upper

65 100

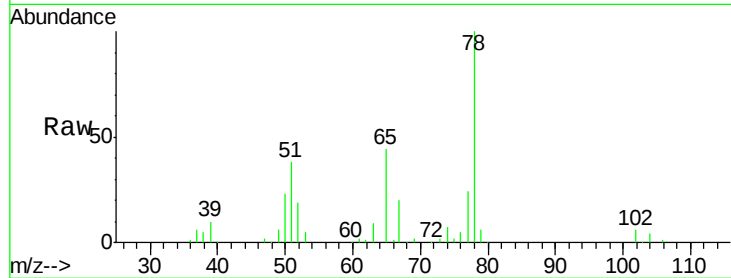
67 45.8 0.0 98.0

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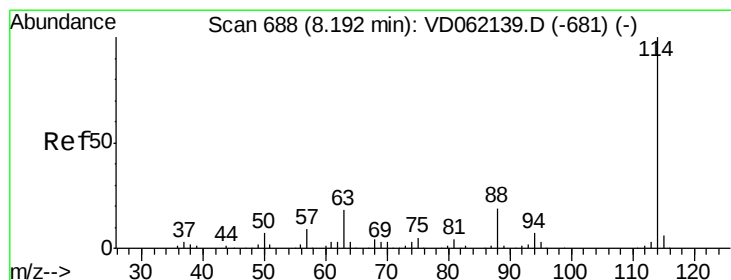
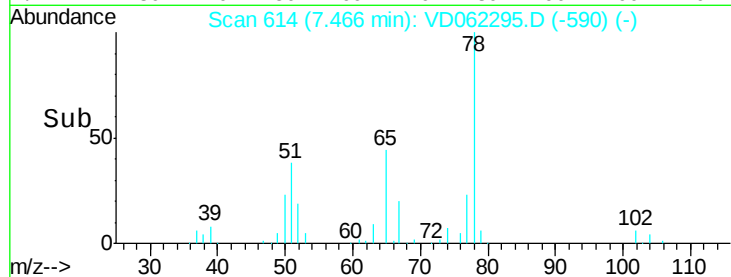
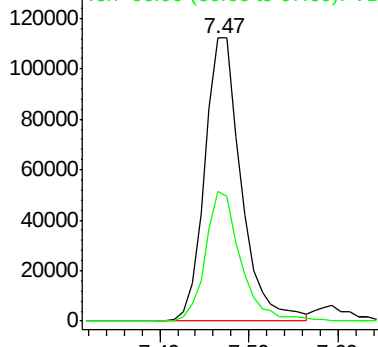
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

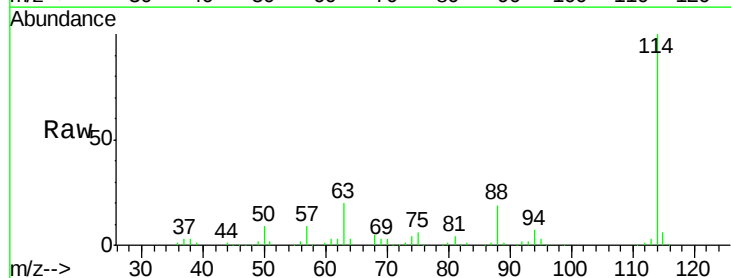
Tgt Ion: 114 Resp: 889142

Ion Ratio Lower Upper

114 100

63 19.7 0.0 32.4

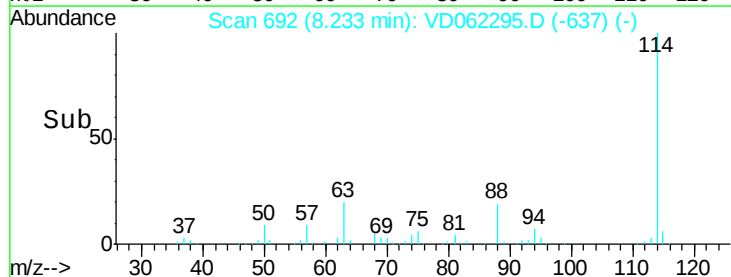
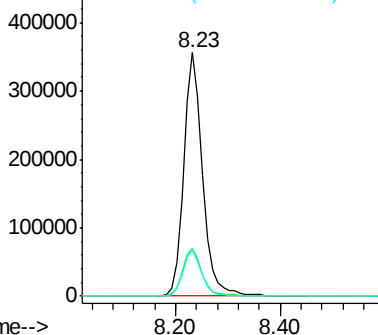
88 19.3 0.0 33.6

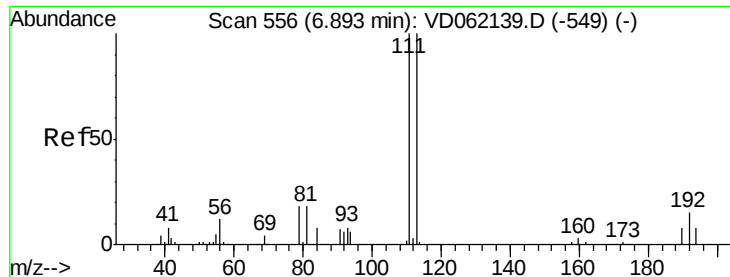


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.671 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

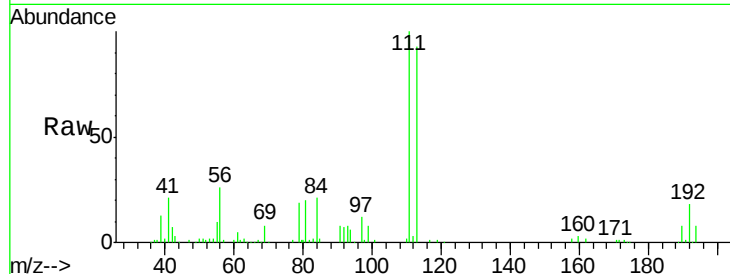
ClientSampleId :

VSTDCCC050

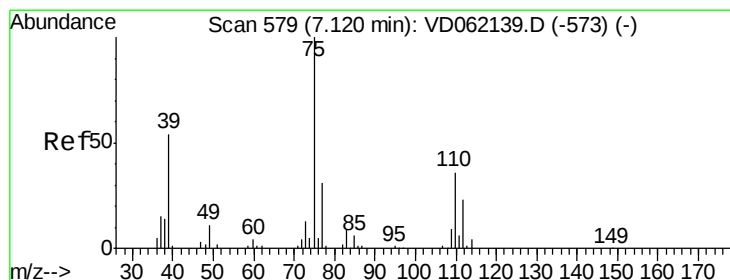
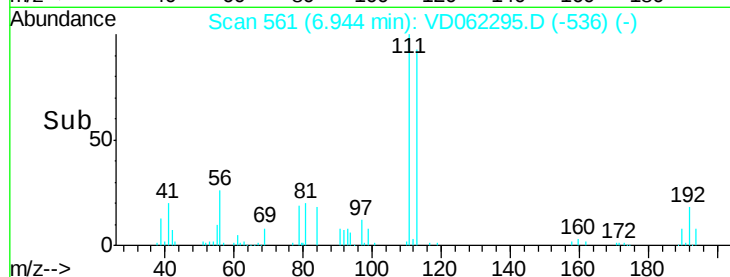
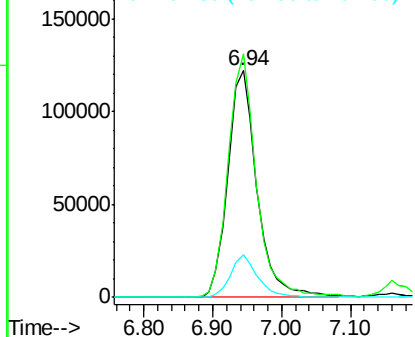
Tot Ion:	113	Resp:	359061
Ion	Ratio	Lower	Upper
113	100		
111	107.4	78.5	117.7
192	18.9	13.0	19.4

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



#36

1,1-Dichloropropene

Concen: 53.963 ug/l

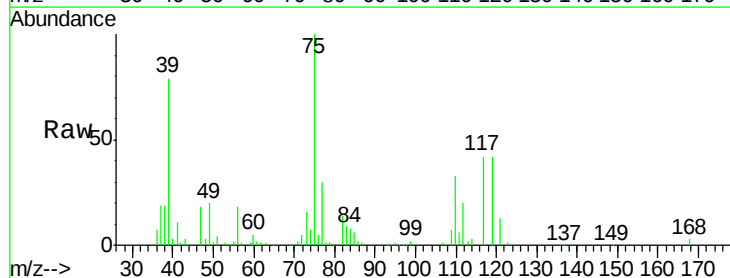
RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

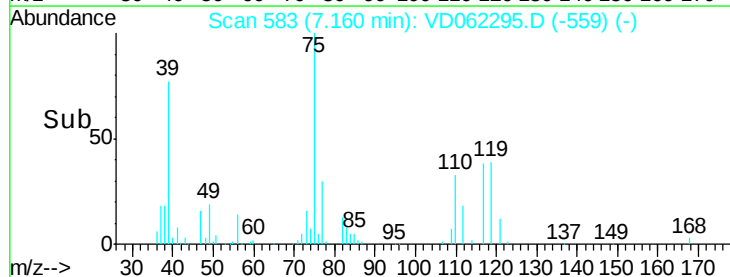
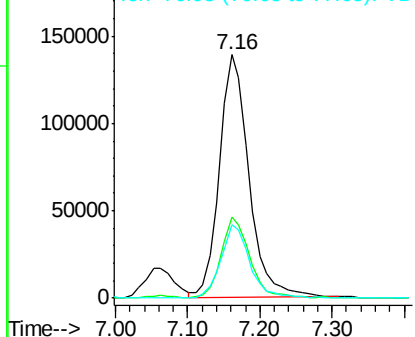
Lab File: VD062295.D

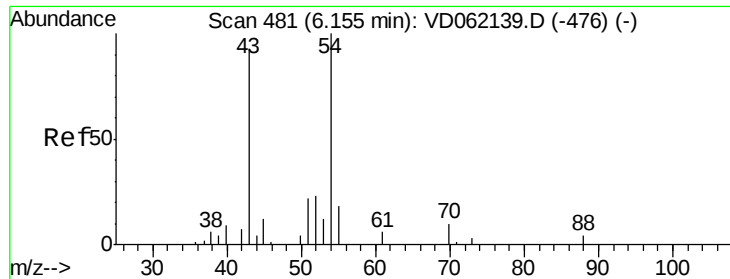
Acq: 13 May 2019 10:22

Tgt Ion:	75	Resp:	393400
Ion	Ratio	Lower	Upper
75	100		
110	33.3	19.1	57.1
77	30.1	25.6	38.4



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





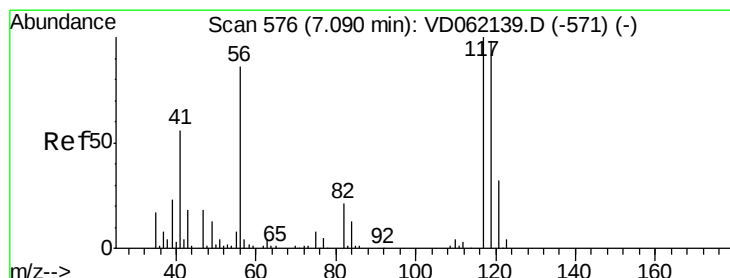
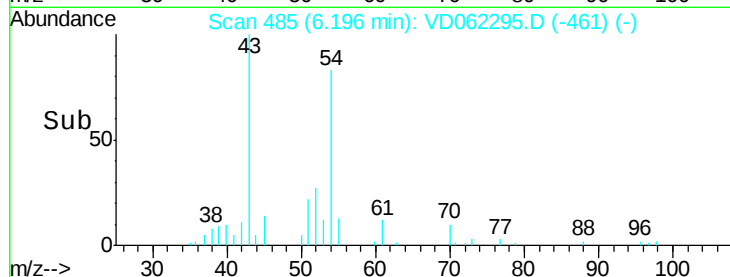
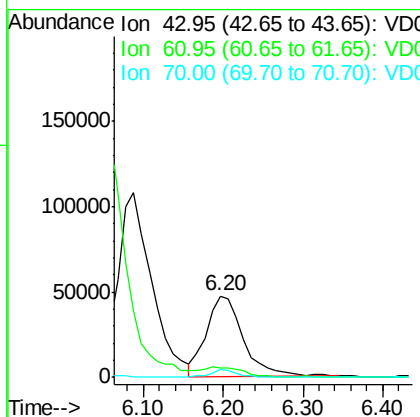
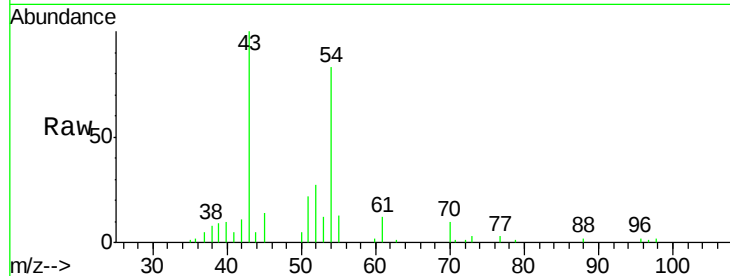
#37
Ethyl Acetate
Concen: 49.078 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	14.7	22.1#
70	9.5	7.8	11.6

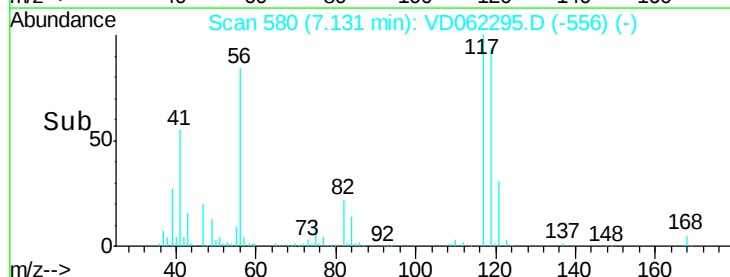
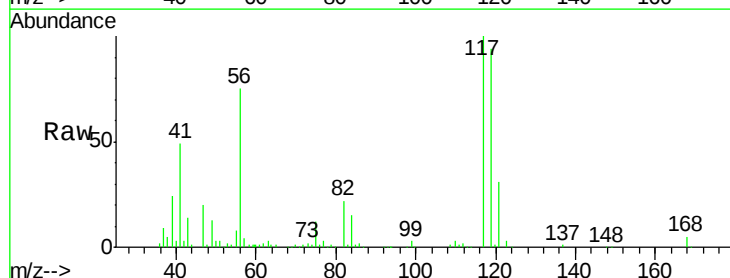
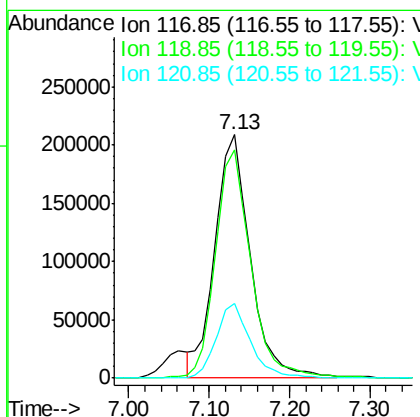
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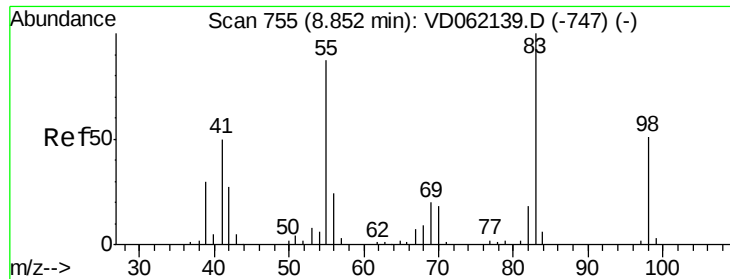
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#38
Carbon Tetrachloride
Concen: 63.477 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.8	113.8
121	30.6	25.9	38.9





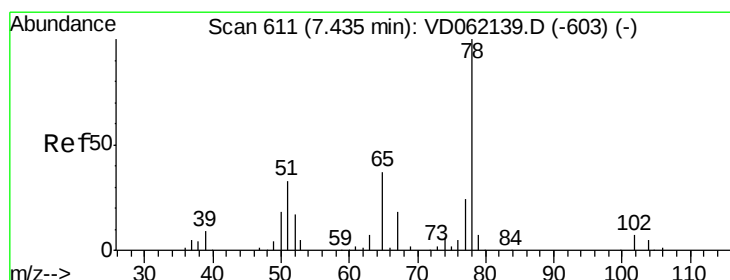
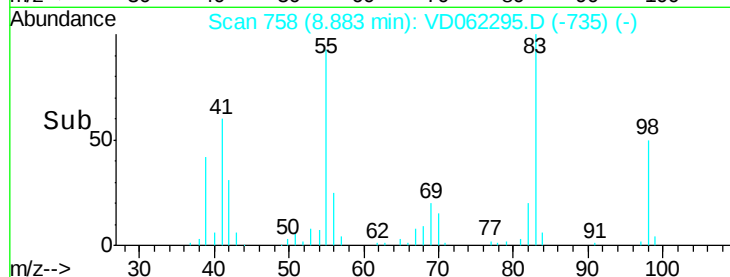
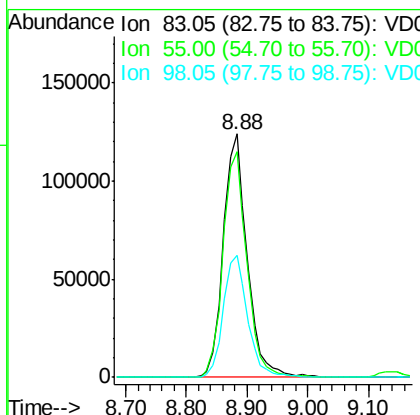
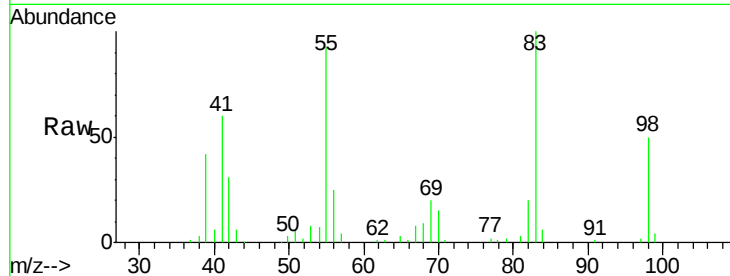
#39
Methvlcvclohexane
Concen: 48.527 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	92.6	68.2	102.4	
98	49.9	38.2	57.4	

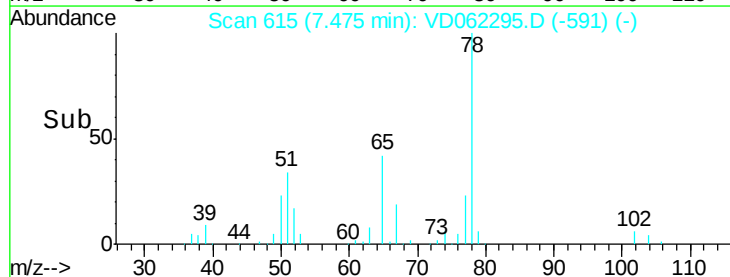
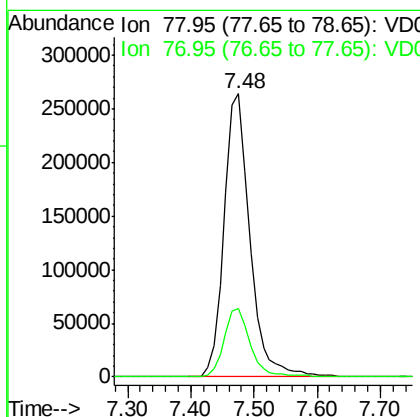
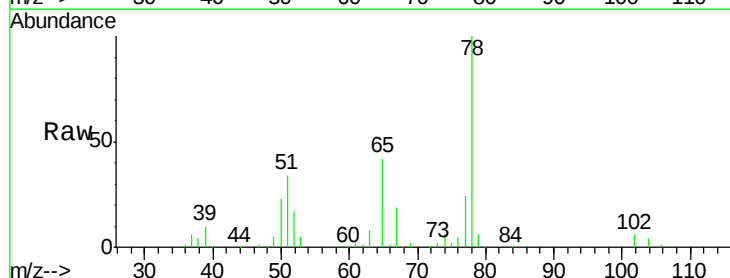
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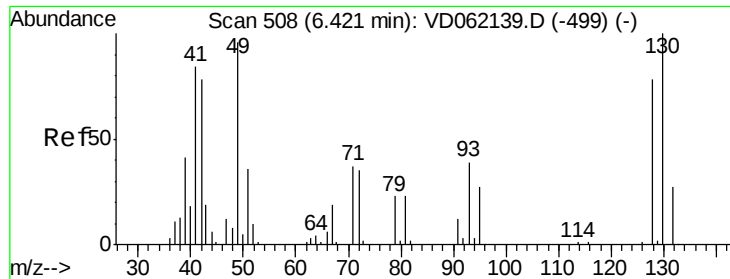
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#40
Benzene
Concen: 45.473 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.7	29.5	





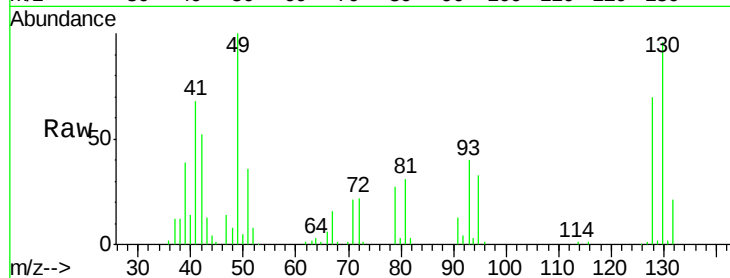
#41
Methacrylonitrile
Concen: 53.975 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

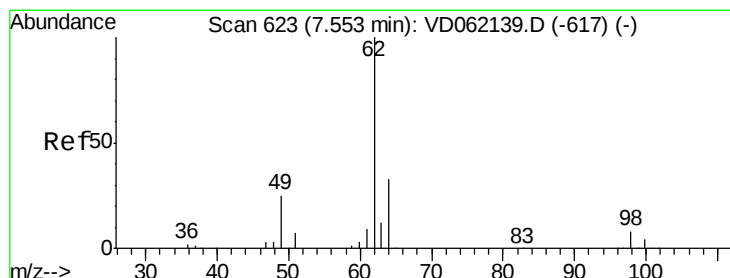
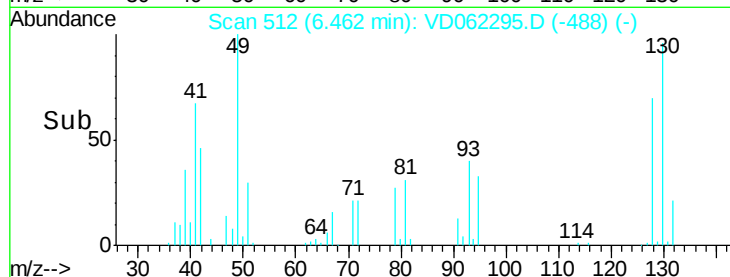
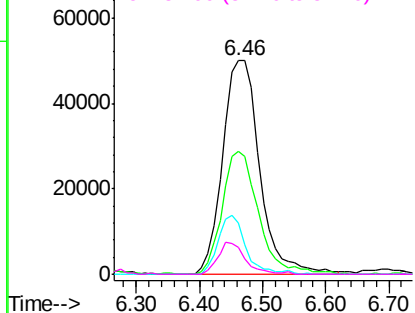
Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	57.5	34.1	51.1#	
67	24.0	23.8	35.6	
52	12.3	8.8	13.2	

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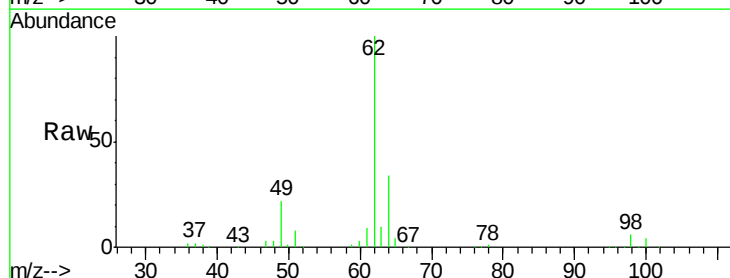


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

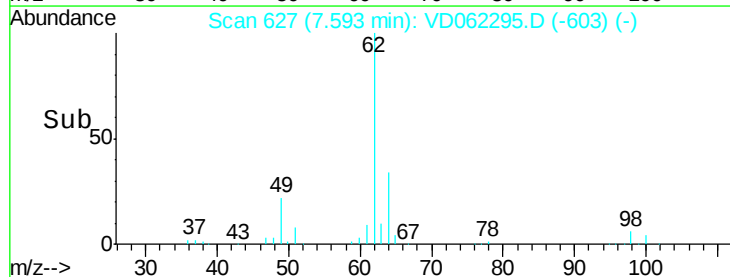
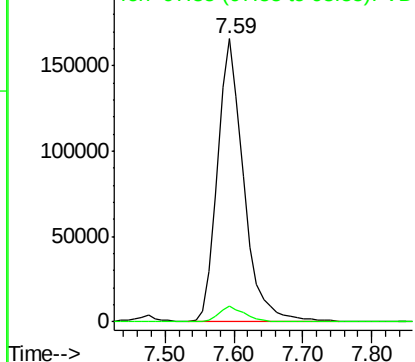


#42
1,2-Dichloroethane
Concen: 62.802 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	5.8	0.0	17.8	



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

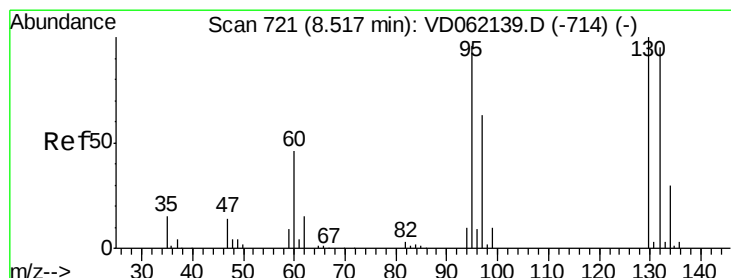
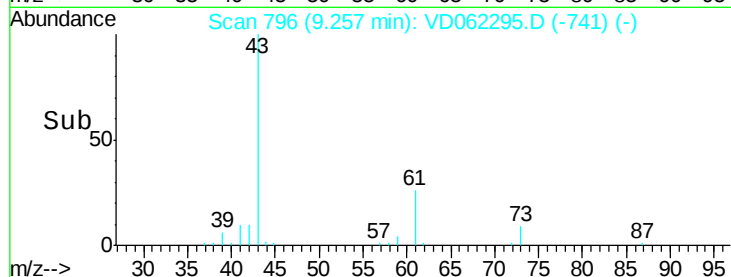
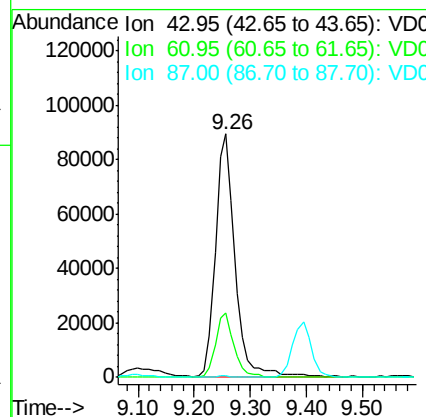
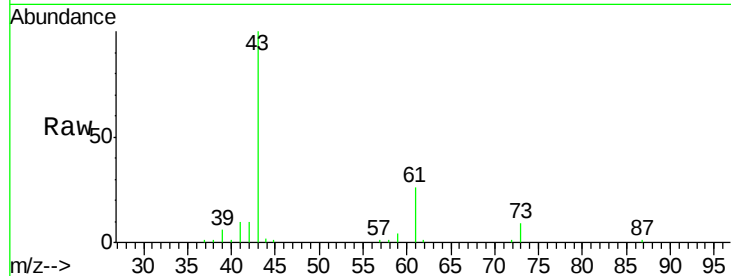
Isopropyl Acetate
 Concen: 50.496 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	25.1	37.7
87	0.5	0.0	0.0

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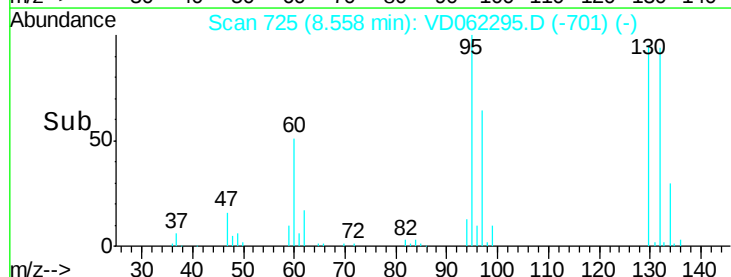
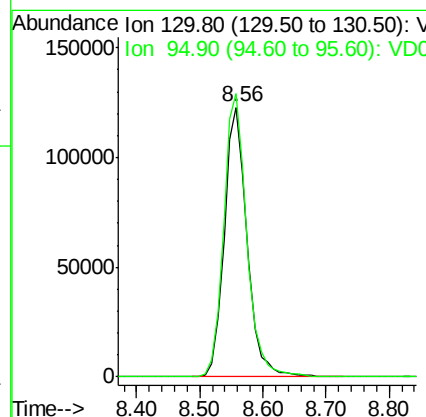
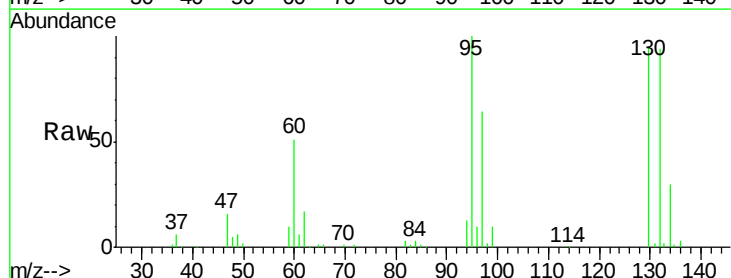
MMDadoda
 5/14/2019 9:50:36 AM



#44

Trichloroethene
 Concen: 49.326 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	174.0





#45

1,2-Dichloropropane

Concen: 49.299 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 200740

Ion Ratio Lower Upper

63 100

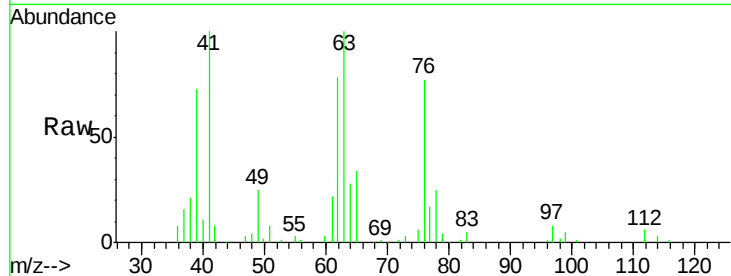
65 34.2 23.8 35.6

Manual Integrations

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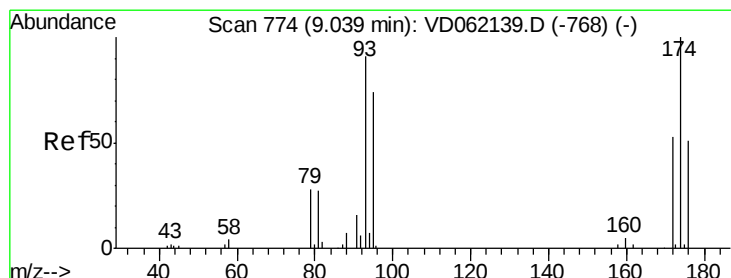
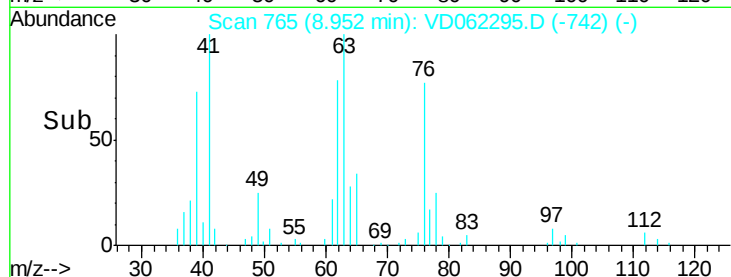
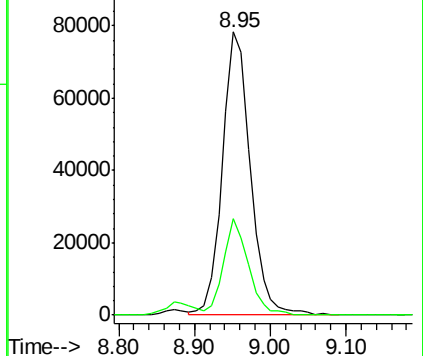
MMDadoda

5/14/2019 9:50:36 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.792 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

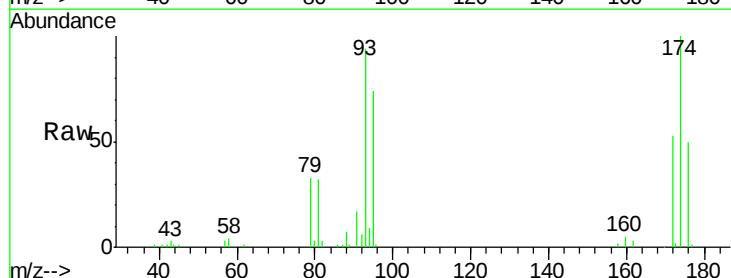
Tgt Ion: 93 Resp: 184740

Ion Ratio Lower Upper

93 100

95 78.7 64.8 97.2

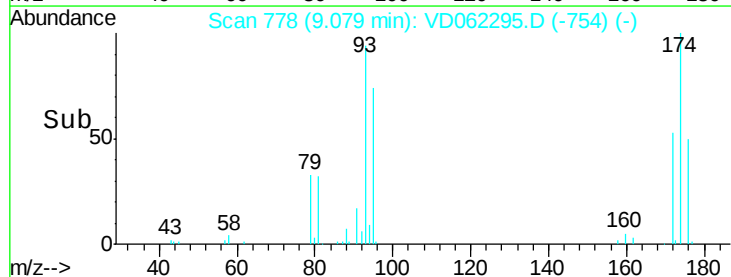
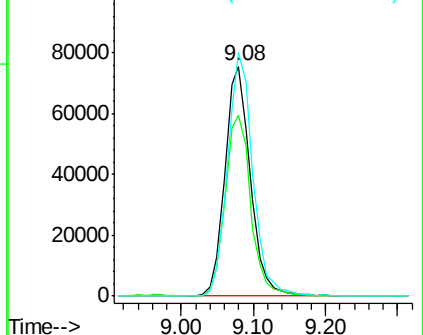
174 105.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 59.179 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

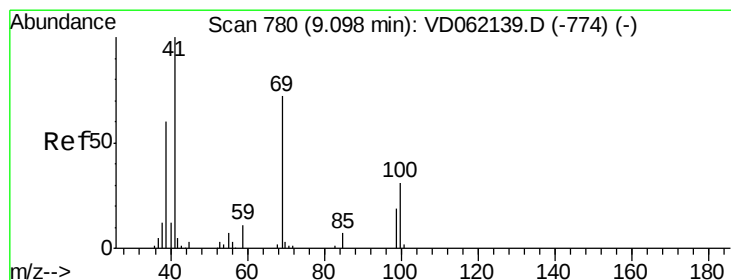
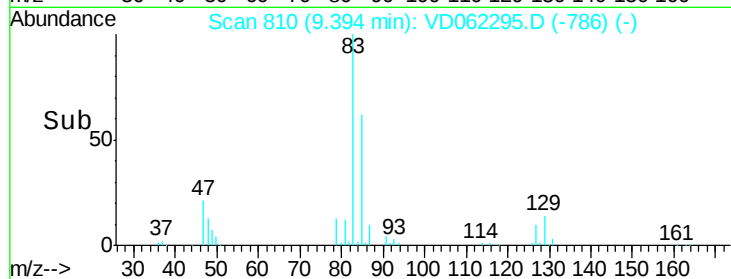
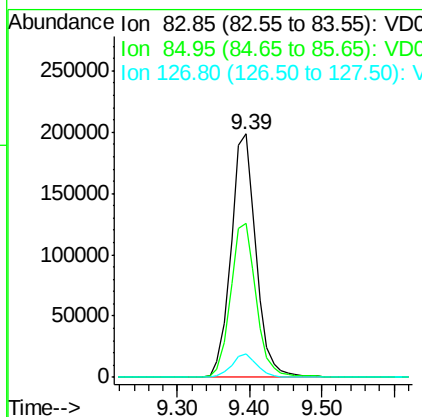
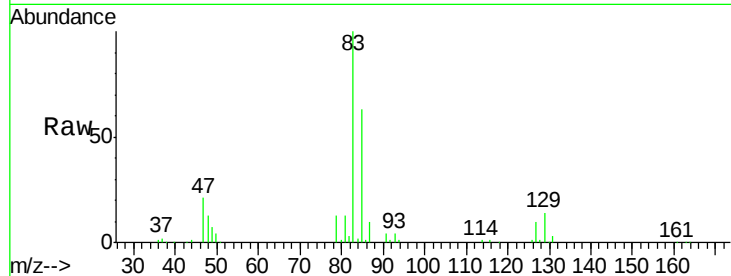
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	479309
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3
127	9.6	8.1	12.1

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 55.039 ug/l

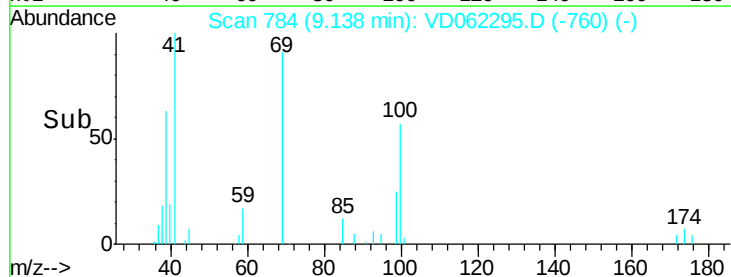
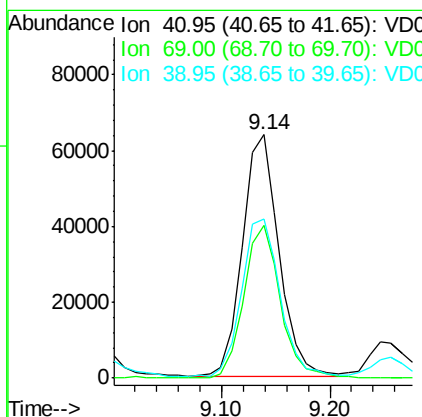
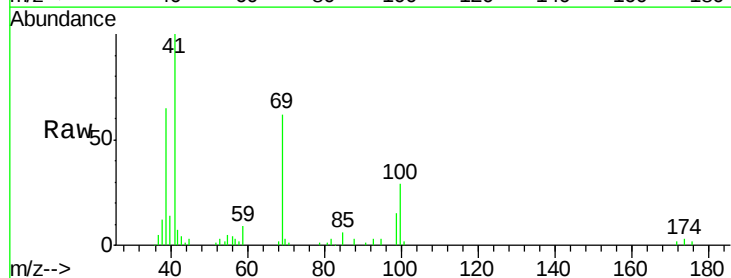
RT: 9.14 min Scan# 784

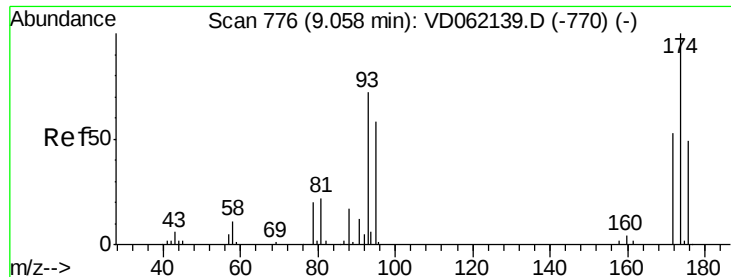
Delta R.T. 0.04 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion:	41	Resp:	148648
Ion	Ratio	Lower	Upper
41	100		
69	62.5	64.2	96.2#
39	65.5	46.8	70.2





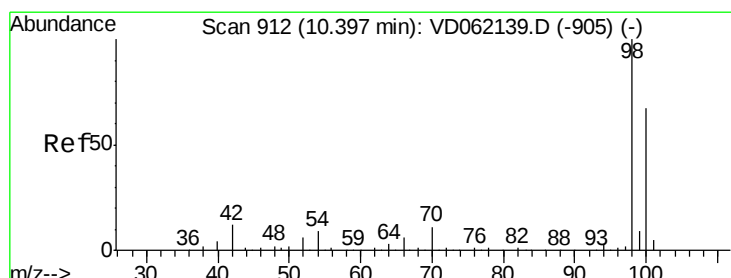
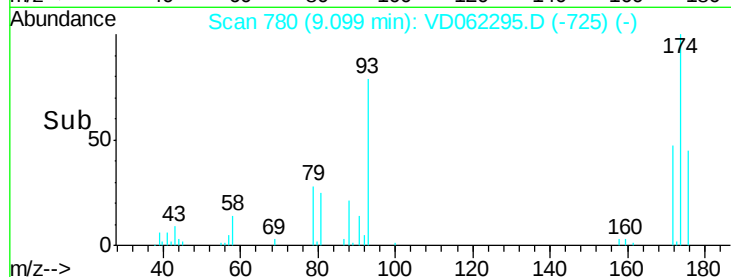
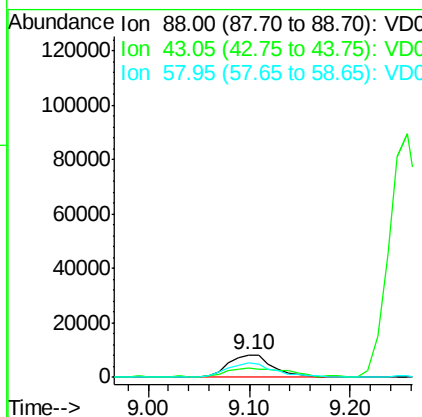
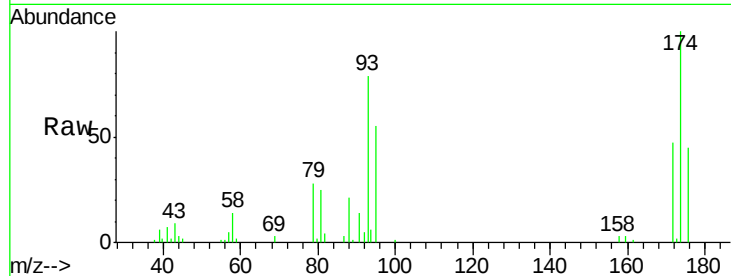
#49
1,4-Dioxane
Concen: 876.085 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	25529		
43	41.2	23.4	35.0#	
58	66.6	44.0	66.0#	

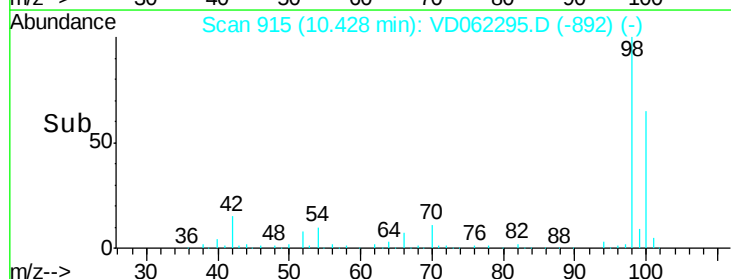
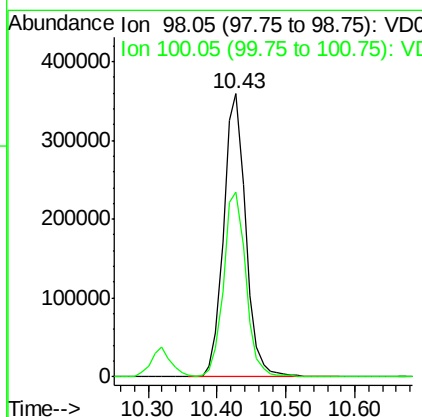
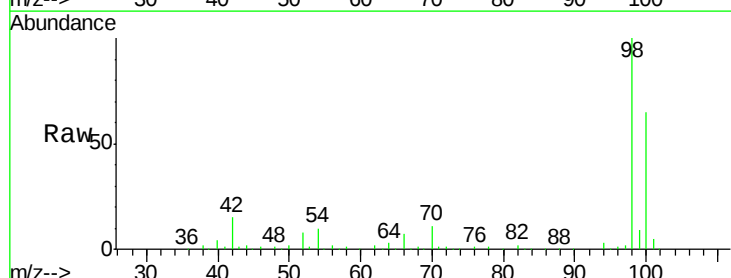
Manual Integrations
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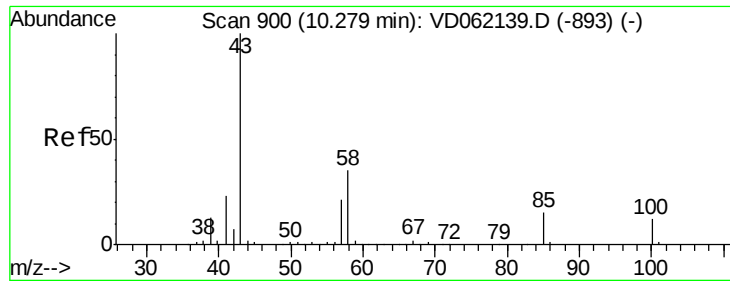
MMDadoda
5/14/2019 9:50:36 AM



#50
Toluene-d8
Concen: 44.772 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	796364		
100	65.3	53.8	80.8	





#51

4-Methyl-2-Pentanone

Concen: 247.376 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 697225

Ion Ratio Lower Upper

43 100

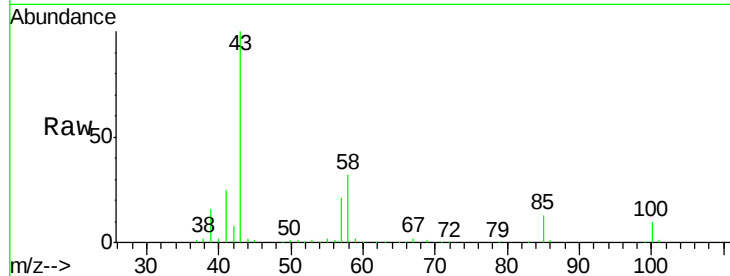
58 31.6 30.4 45.6

Manual Integrations

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MMDadoda

5/14/2019 9:50:36 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

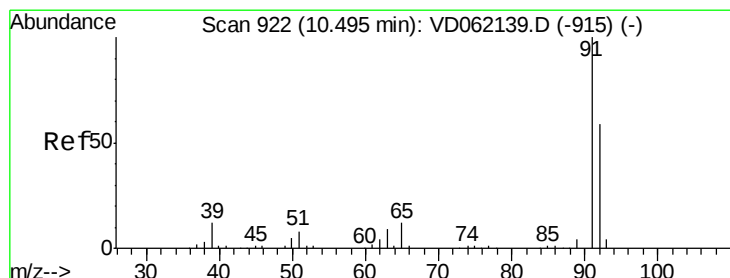
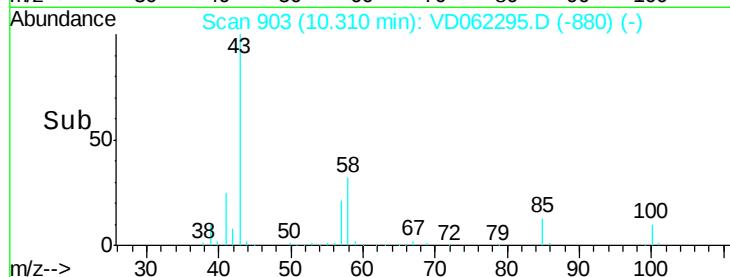
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.162 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062295.D

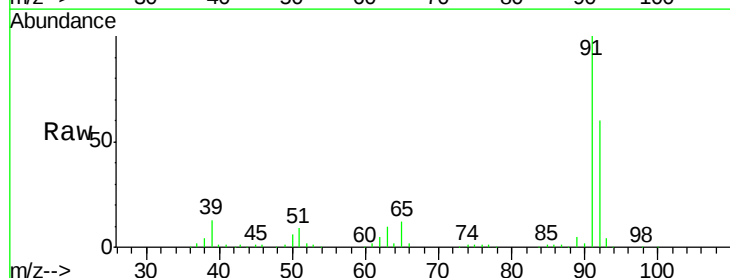
Acq: 13 May 2019 10:22

Tgt Ion: 92 Resp: 526570

Ion Ratio Lower Upper

92 100

91 167.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

400000

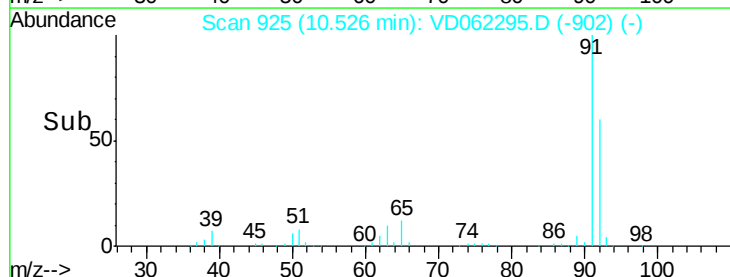
300000

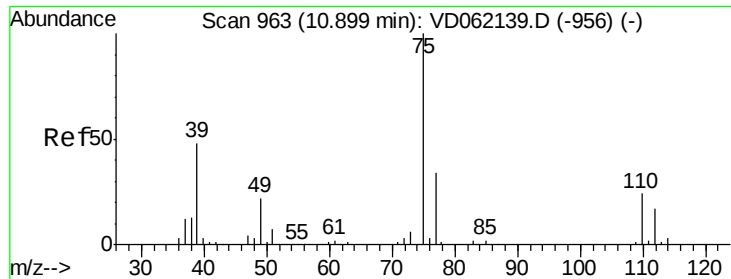
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 58.989 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tot Ion: 75 Resp: 412924

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

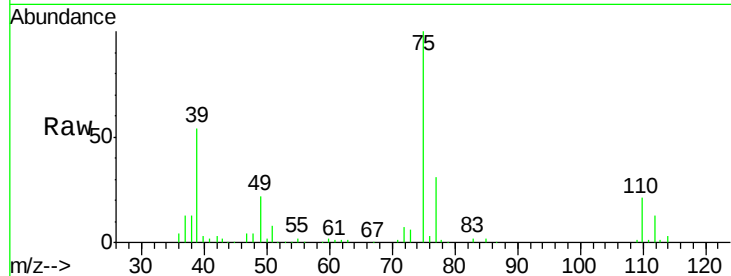
VSTDCCC050

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

200000

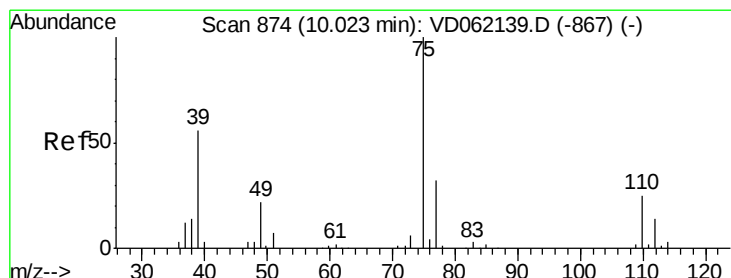
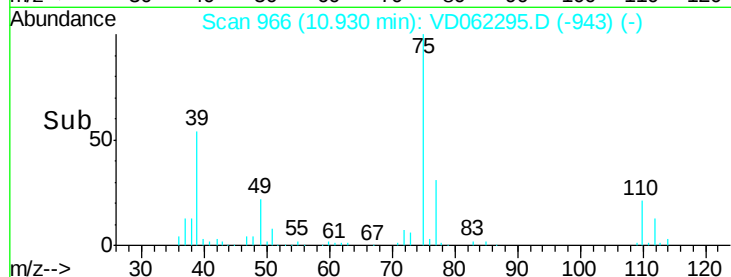
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 53.434 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

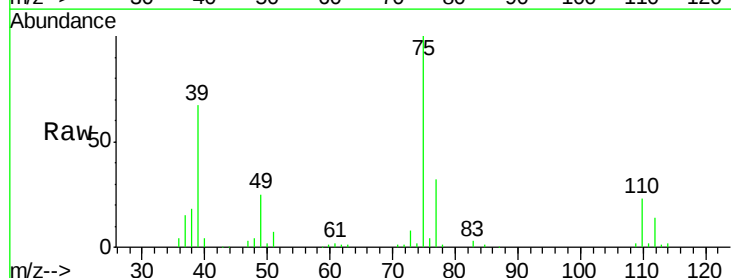
Tgt Ion: 75 Resp: 408054

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 67.4 39.4 59.2#



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

10.05

250000

200000

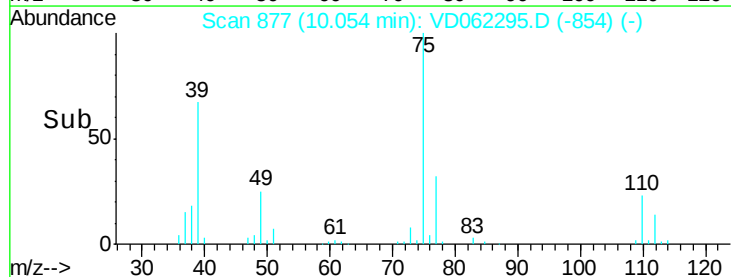
150000

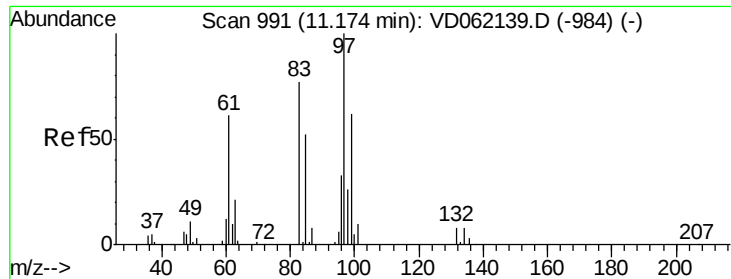
100000

50000

0

Time--> 9.90 10.00 10.10 10.20





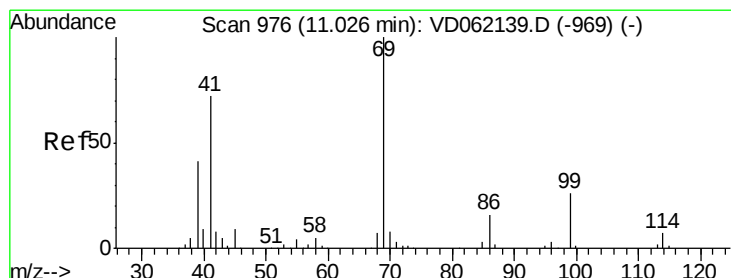
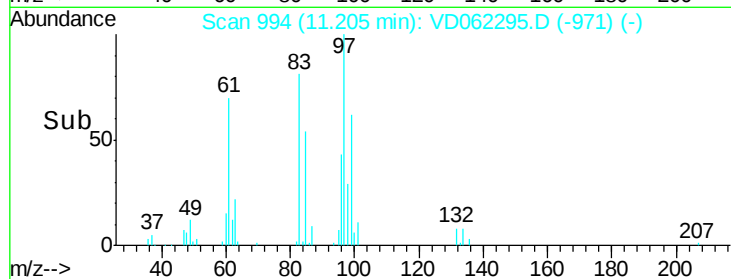
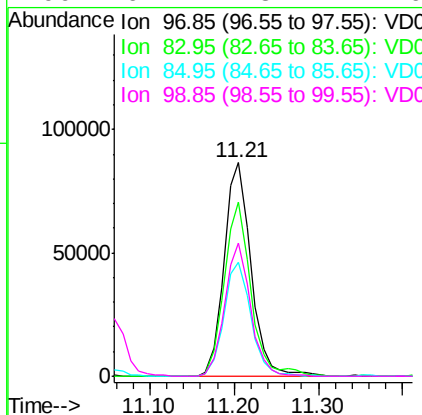
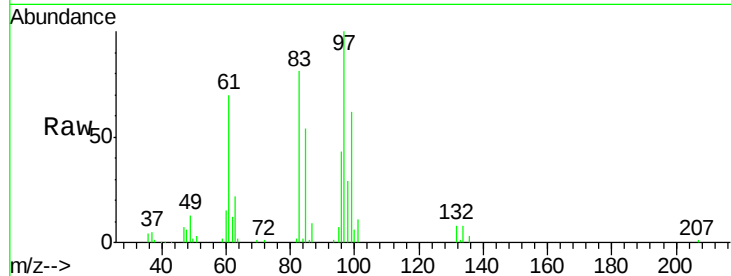
#55
1,1,2-Trichloroethane
Concen: 50.481 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	97	Resp	191308
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.7	98.5
85	53.6	45.6	68.4
99	62.2	48.4	72.6

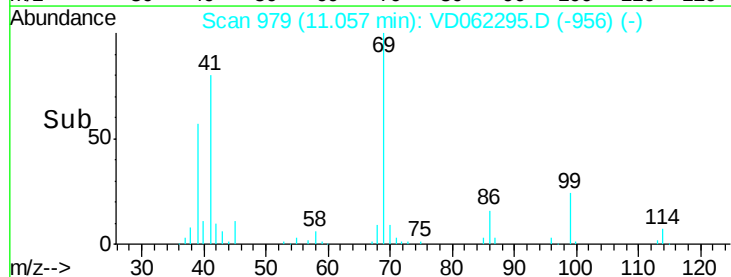
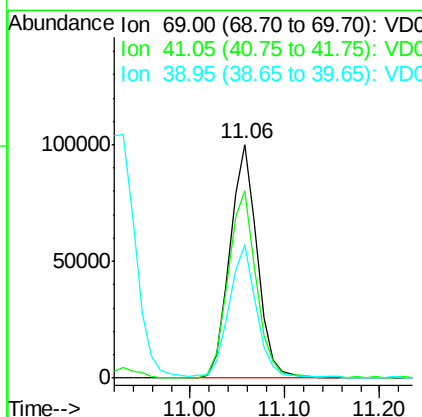
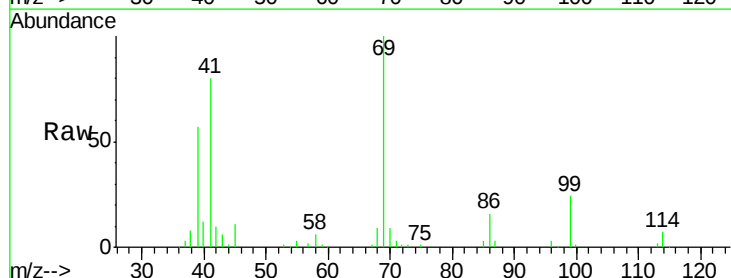
Manual Integrations
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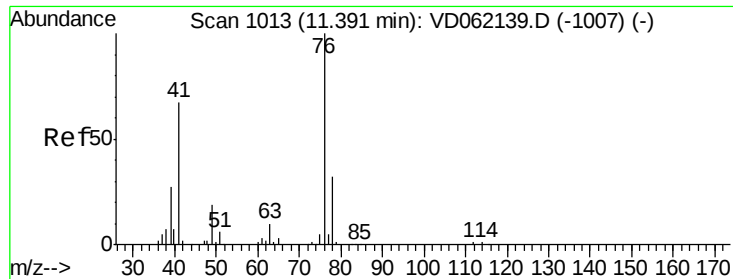
MMDadoda
5/14/2019 9:50:36 AM



#56
Ethyl methacrylate
Concen: 50.760 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	69	Resp	199897
Ion	Ratio	Lower	Upper
69	100		
41	80.2	56.3	84.5
39	57.3	29.4	44.2#





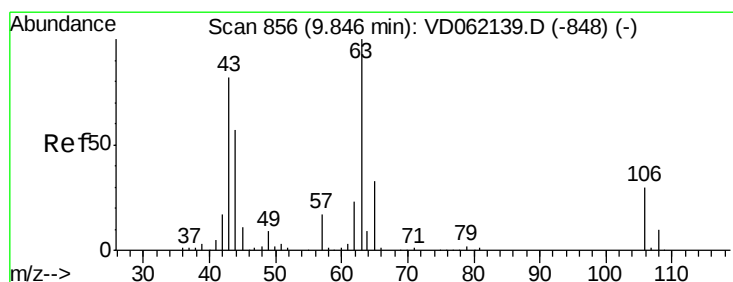
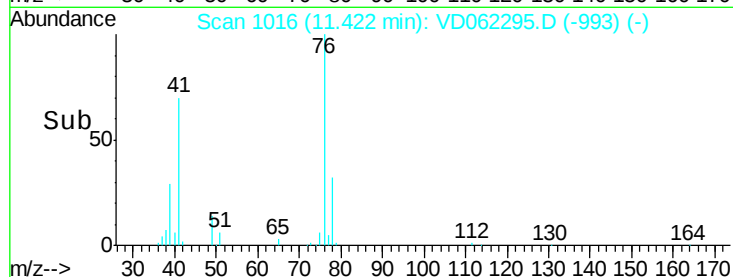
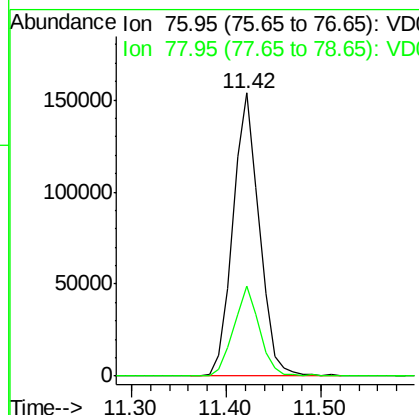
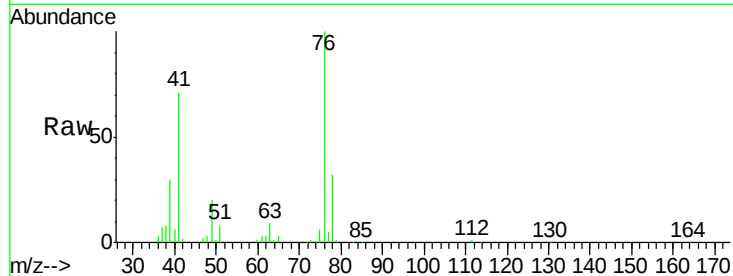
#57
 1,3-Dichloropropane
 Concen: 51.731 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 296179
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

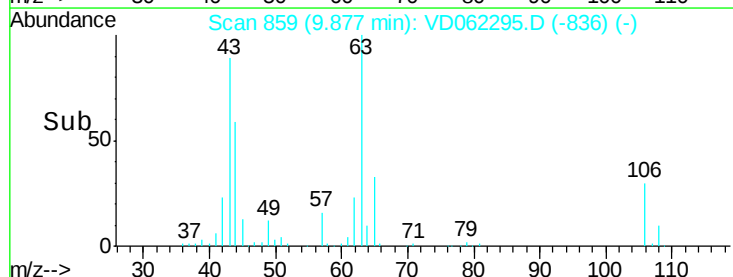
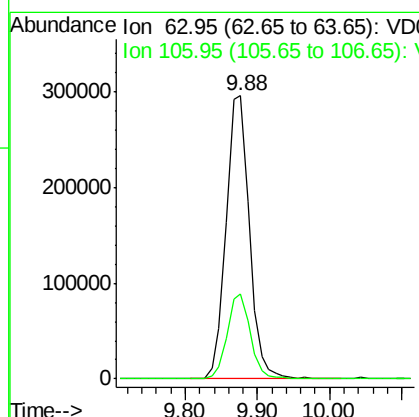
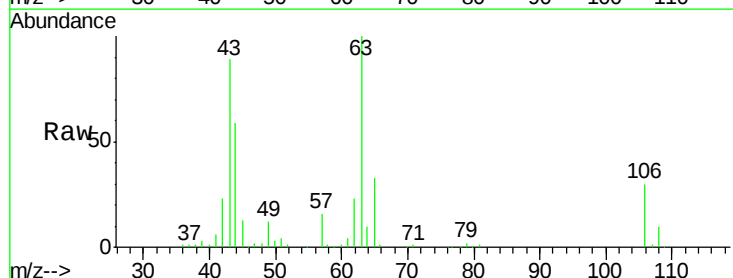
Manual Integrations
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MMDadoda
 5/14/2019 9:50:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 308.488 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion: 63 Resp: 663597
 Ion Ratio Lower Upper
 63 100
 106 30.1 22.6 34.0





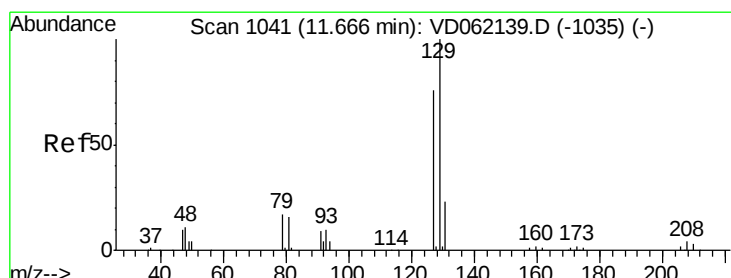
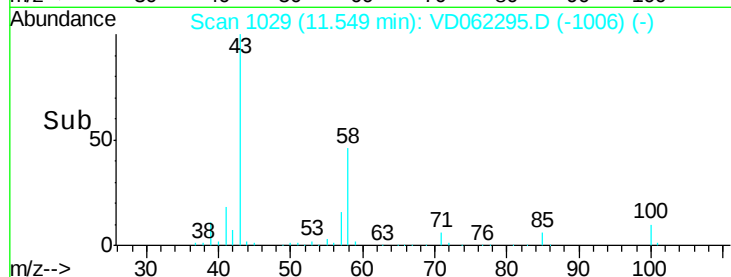
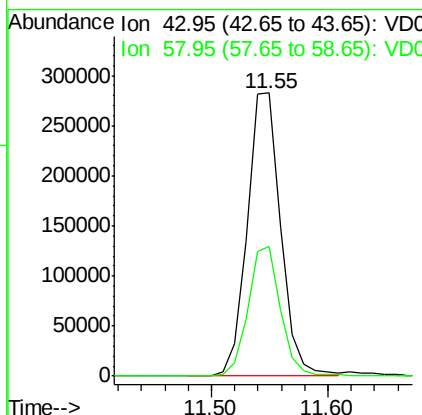
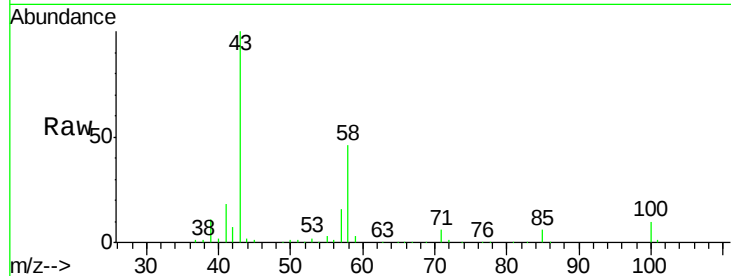
#59
2-Hexanone
Concen: 270.004 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 560888
Ion Ratio Lower Upper
43 100
58 45.6 25.4 76.4

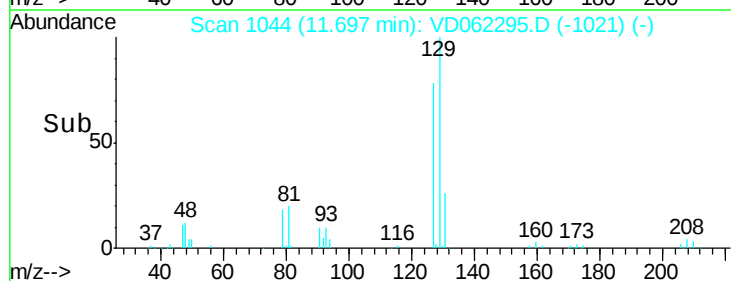
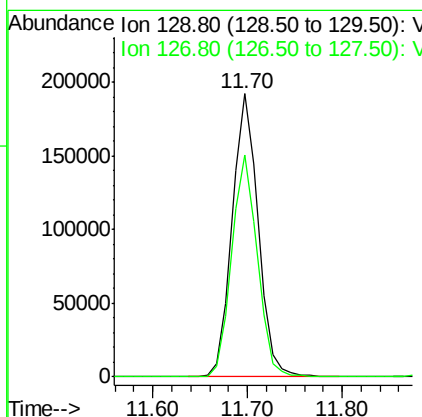
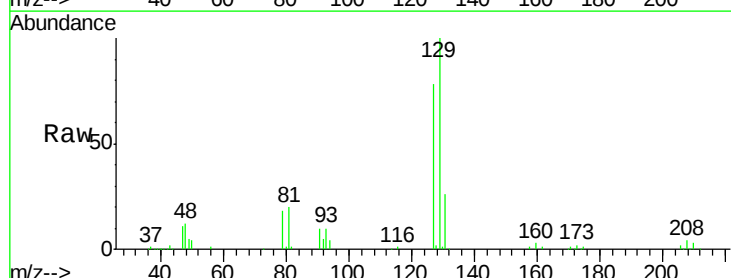
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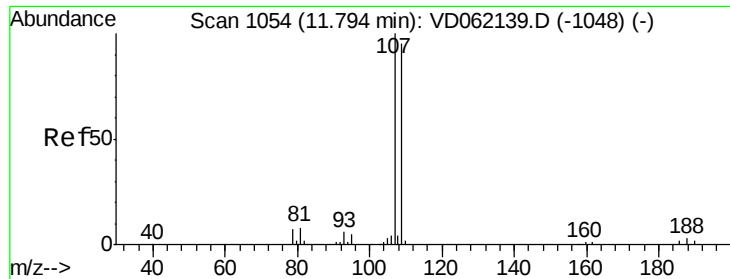
MMDadoda
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#60
Dibromochloromethane
Concen: 55.766 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion: 129 Resp: 365238
Ion Ratio Lower Upper
129 100
127 78.2 38.0 113.9





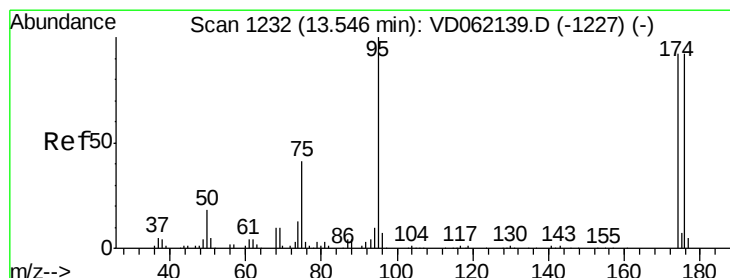
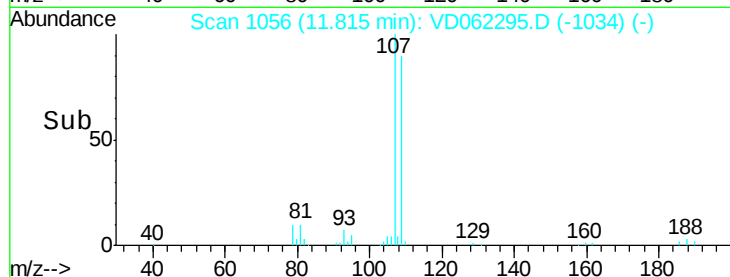
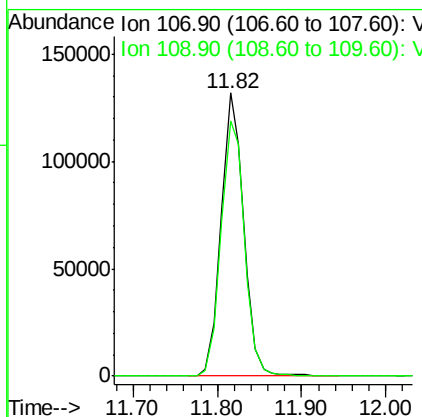
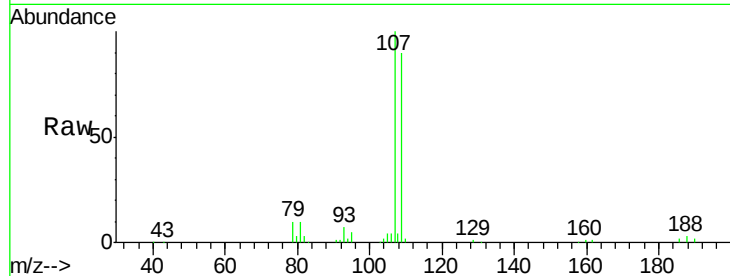
#61
 1,2-Dibromoethane
 Concen: 53.077 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	78.3	117.5

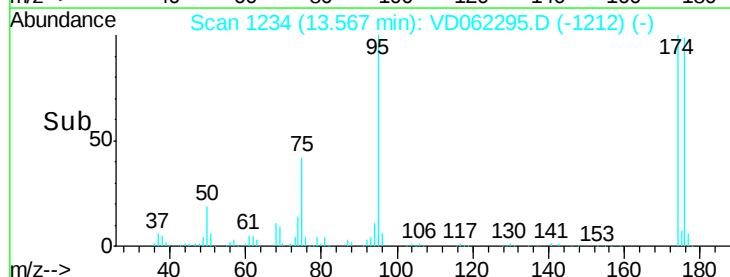
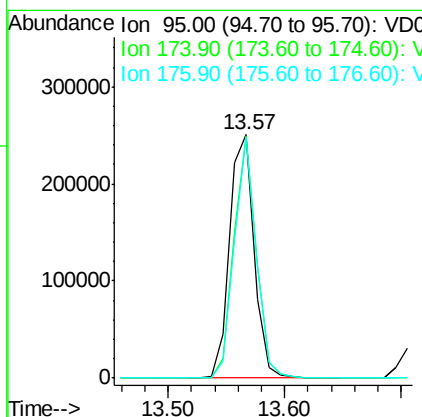
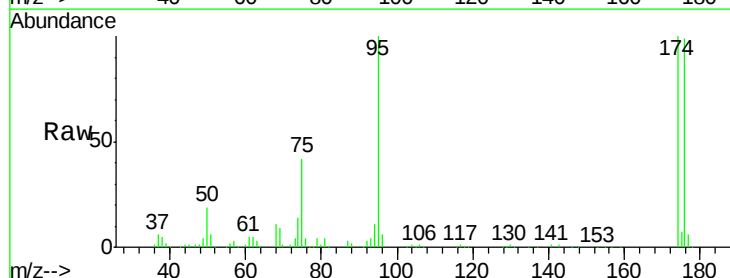
Manual Integrations
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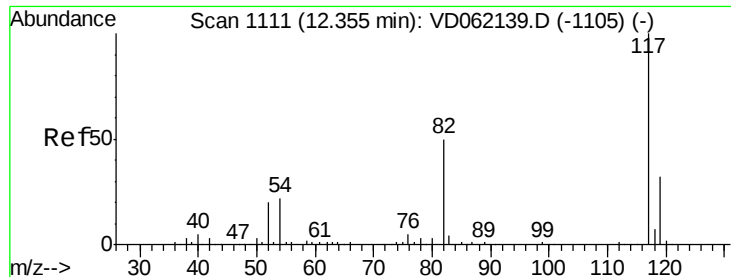
MMDadoda
 5/14/2019 9:50:36 AM



#62
 4-Bromofluorobenzene
 Concen: 51.112 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	0.0	181.8
176	99.0	0.0	174.4





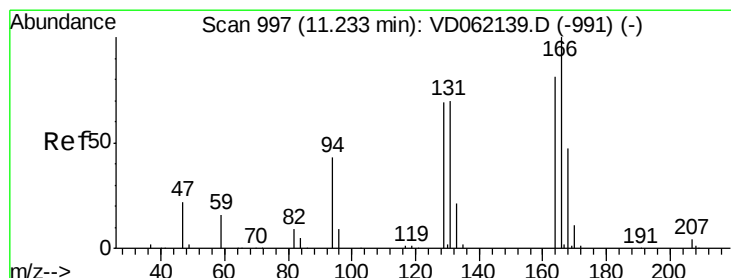
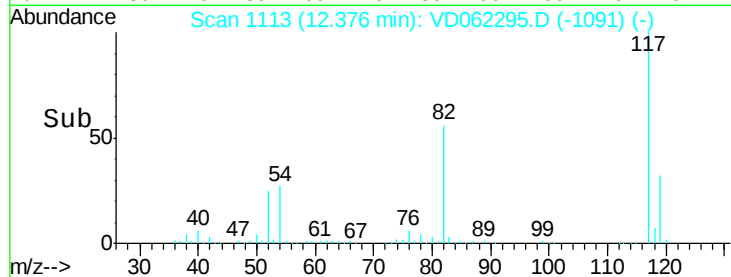
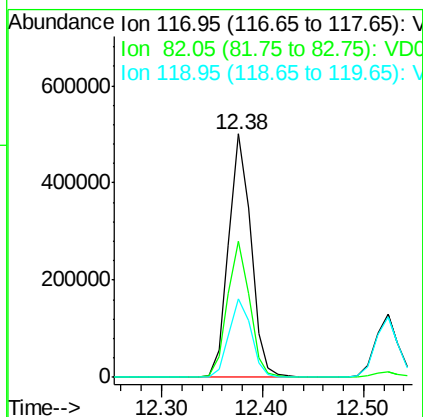
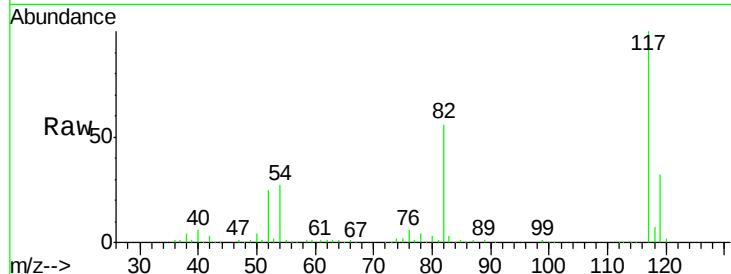
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	775118		
82	56.0	36.2	54.2	#
119	32.1	26.2	39.4	

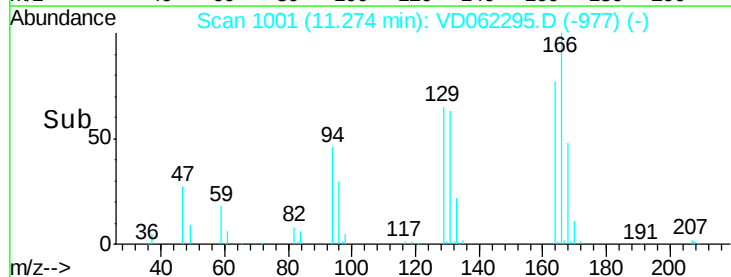
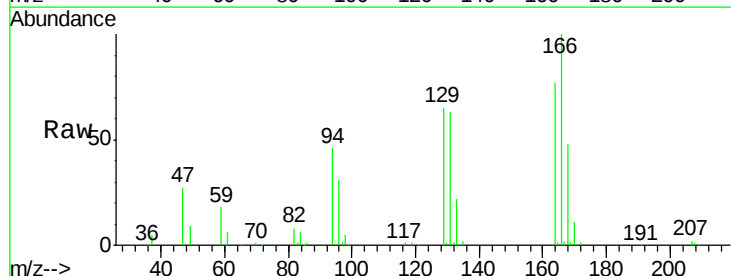
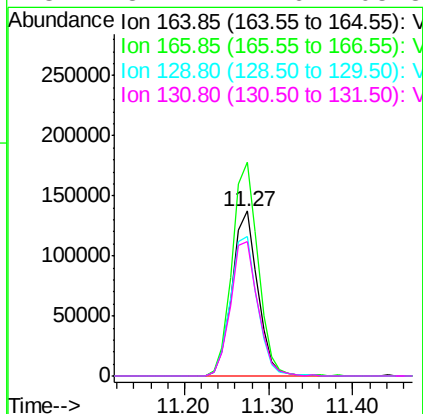
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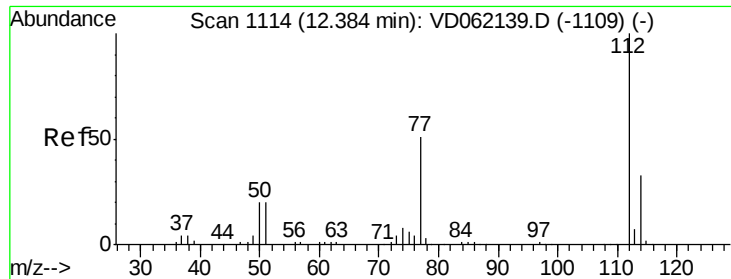
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5/14/2019 9:50:36 AM



#64
Tetrachloroethene
Concen: 48.208 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	292196		
166	129.6	101.5	152.3	
129	84.4	74.6	112.0	
131	81.2	72.6	108.8	





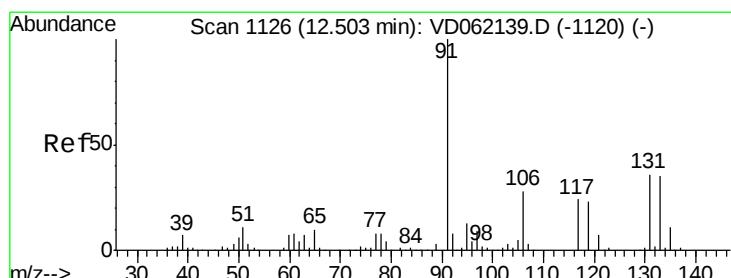
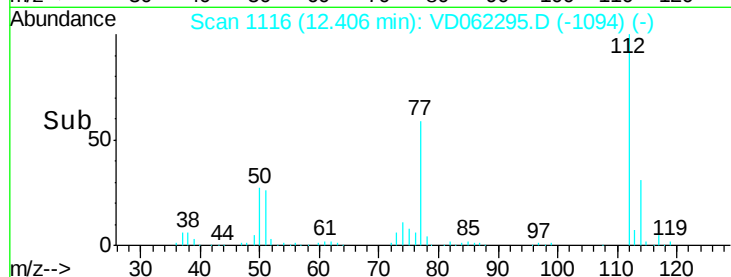
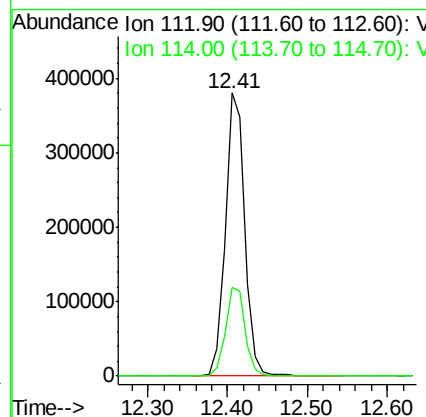
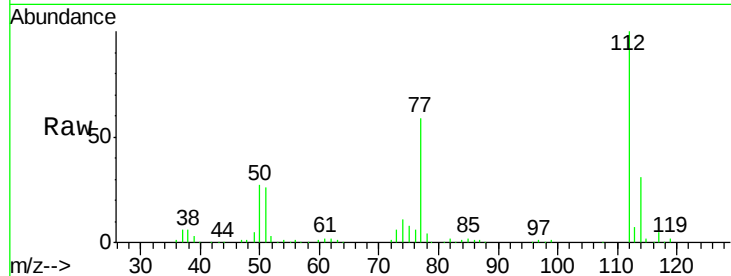
#65
Chlorobenzene
Concen: 45.154 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 651879
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8

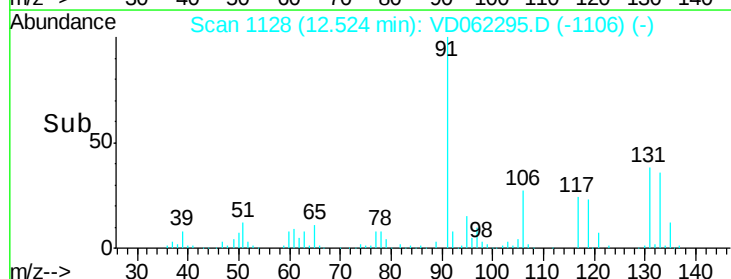
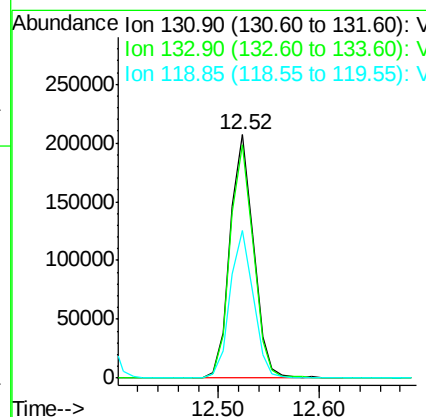
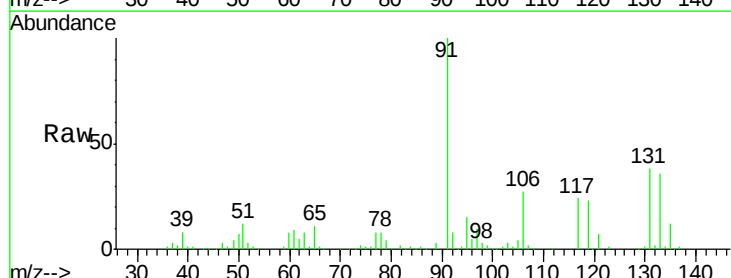
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.118 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion:131 Resp: 333747
Ion Ratio Lower Upper
131 100
133 95.8 48.6 145.8
119 60.6 34.7 104.1





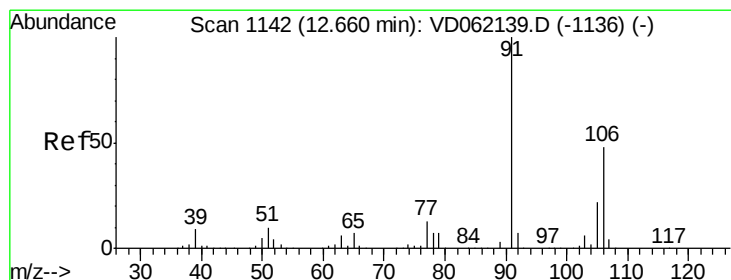
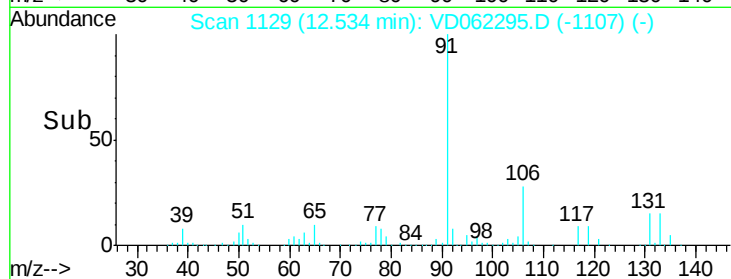
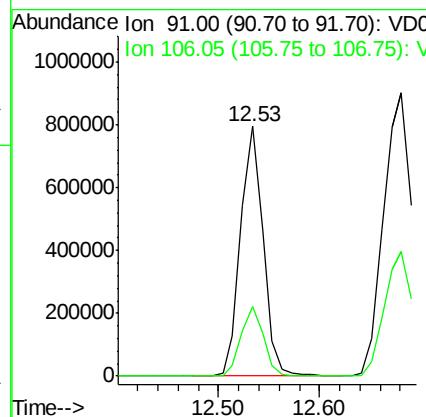
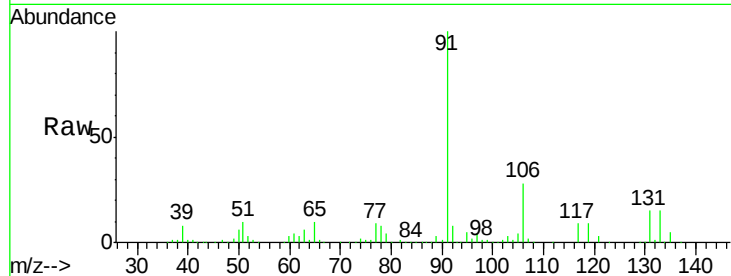
#67
Ethyl Benzene
Concen: 51.190 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1237227
Ion Ratio Lower Upper
91 100
106 27.8 24.7 37.1

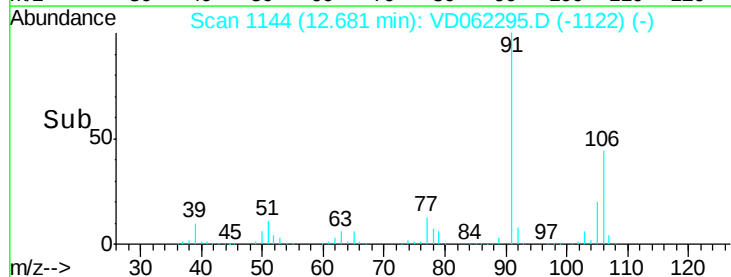
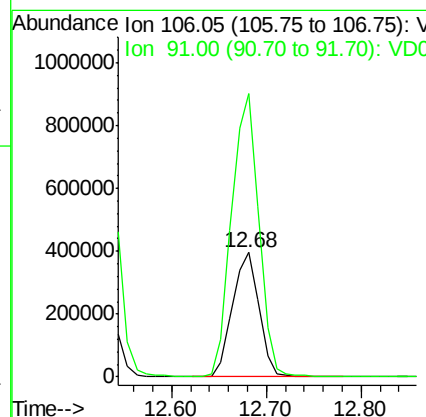
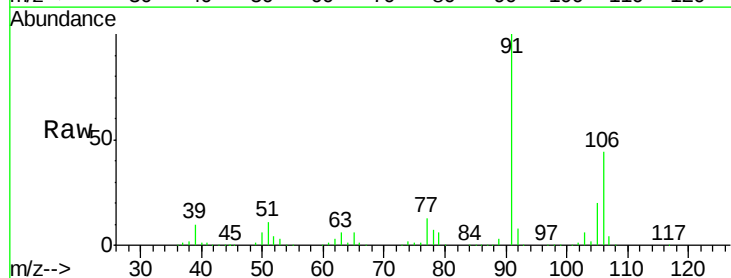
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#68
m/p-Xylenes
Concen: 87.612 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion: 106 Resp: 770405
Ion Ratio Lower Upper
106 100
91 227.8 164.0 246.0





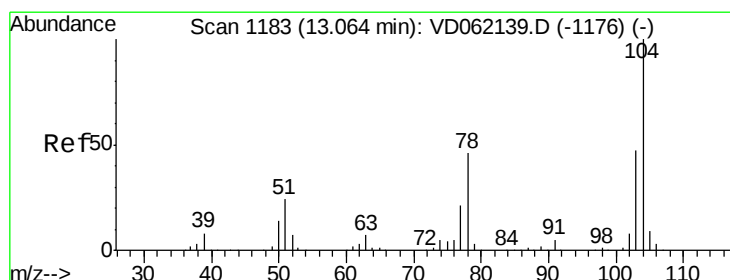
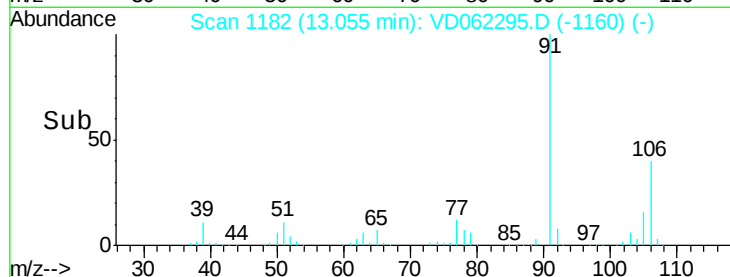
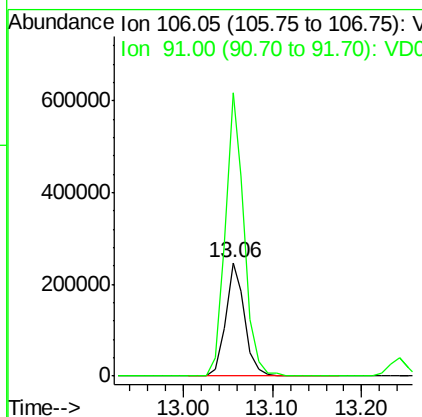
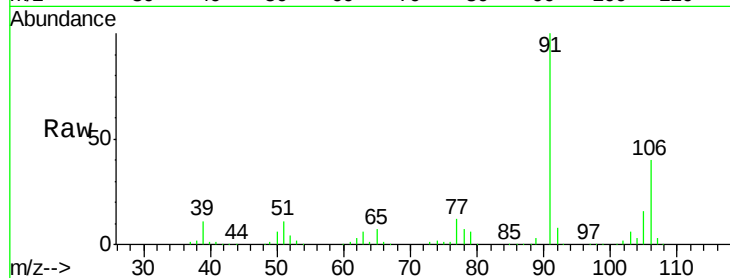
#69
o-Xylene
Concen: 45.263 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 370033
Ion Ratio Lower Upper
106 100
91 249.7 106.7 319.9

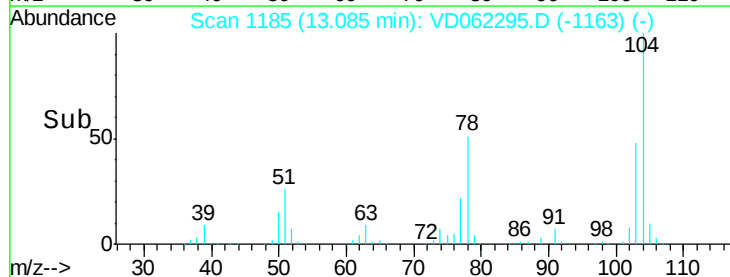
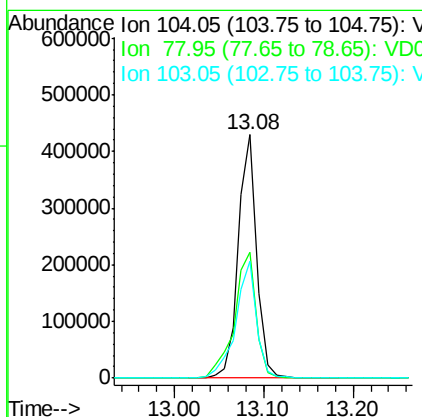
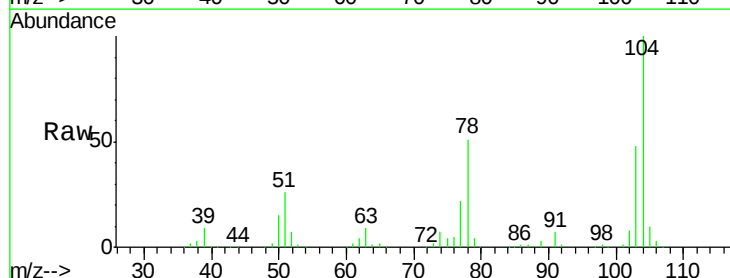
Manual Integrations
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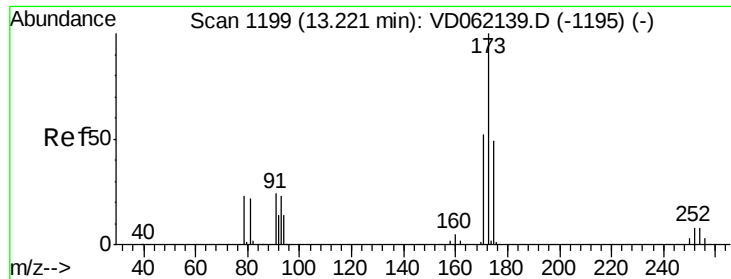
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#70
Styrene
Concen: 44.798 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion:104 Resp: 620394
Ion Ratio Lower Upper
104 100
78 51.5 35.4 53.2
103 47.8 37.5 56.3





#71

Bromoform

Concen: 53.710 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 234785

Ion Ratio Lower Upper

173 100

175 47.2 24.4 73.4

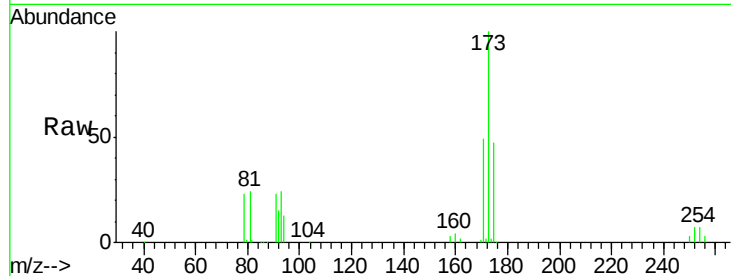
254 6.9 5.4 8.2

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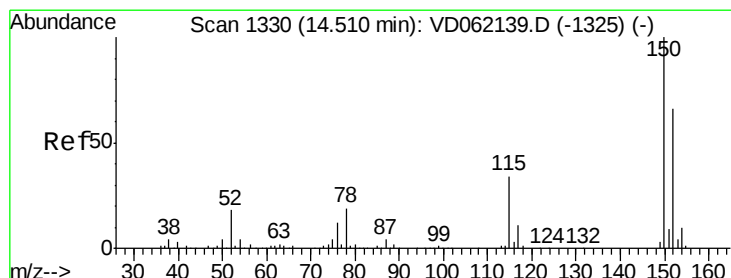
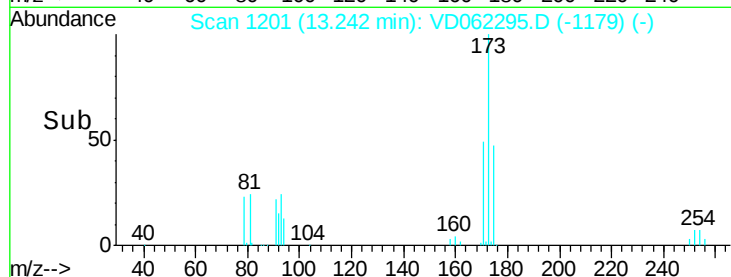
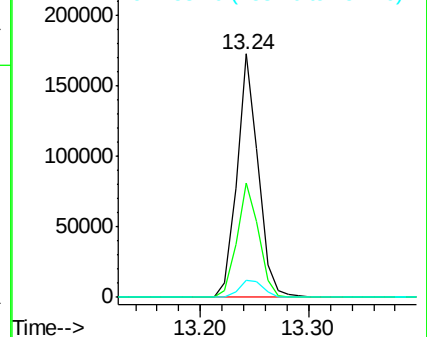
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Abundance Ion 172.80 (172.50 to 173.50): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

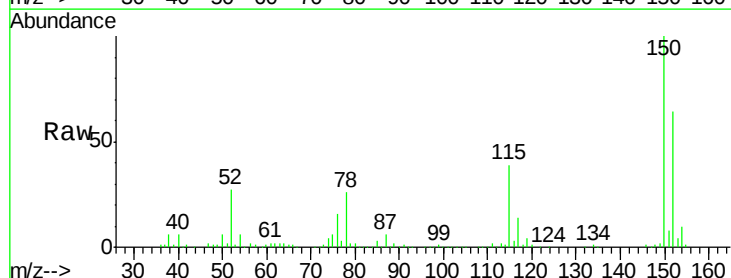
Tgt Ion:152 Resp: 403862

Ion Ratio Lower Upper

152 100

115 60.6 30.9 92.7

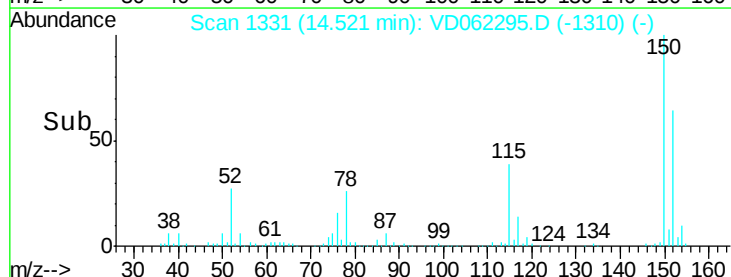
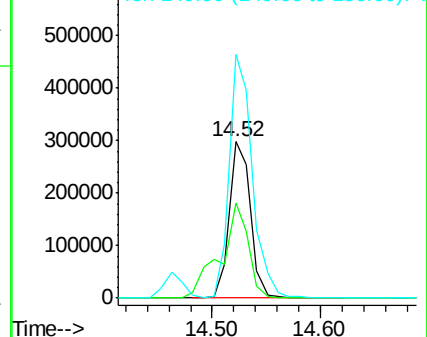
150 155.6 0.0 314.8

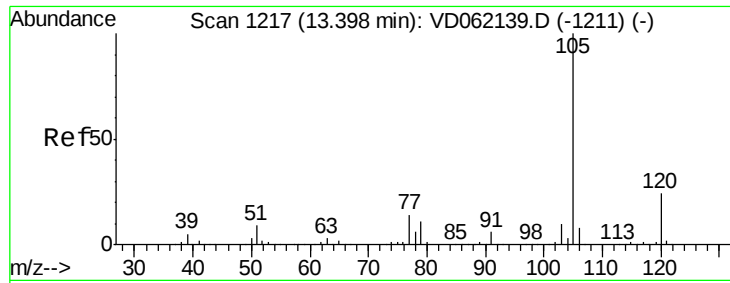


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.124 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1237647

Ion Ratio Lower Upper

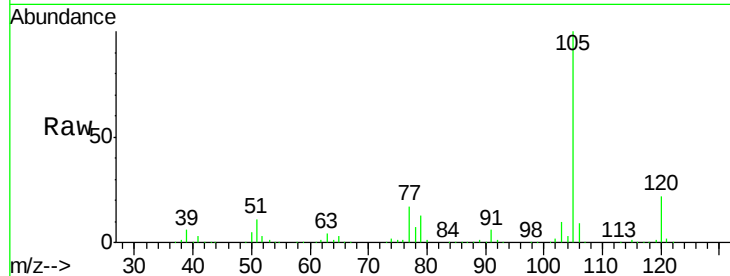
105 100

120 21.6 12.0 36.1

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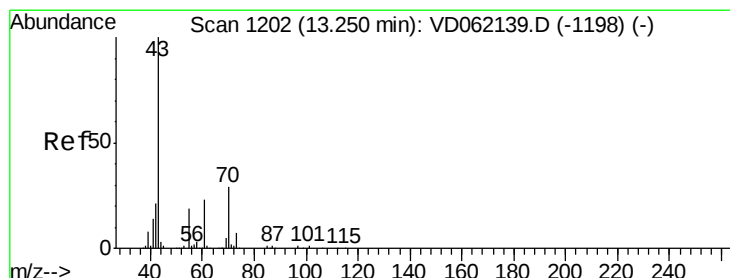
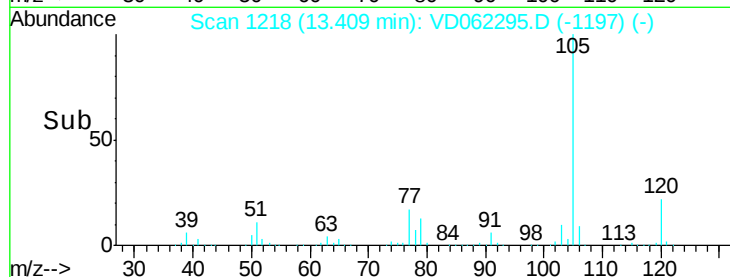
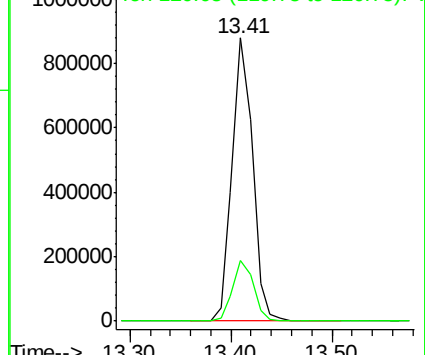
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.420 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion: 43 Resp: 307322

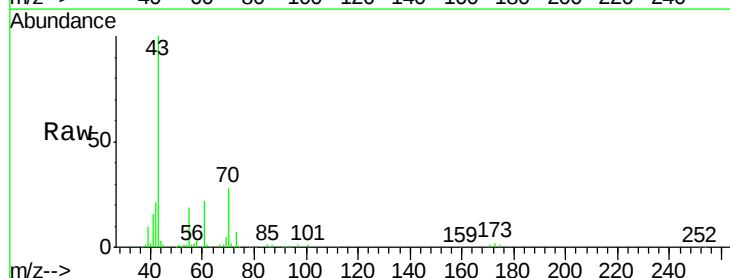
Ion Ratio Lower Upper

43 100

70 28.2 24.2 36.4

55 18.7 16.0 24.0

61 21.9 21.6 32.4

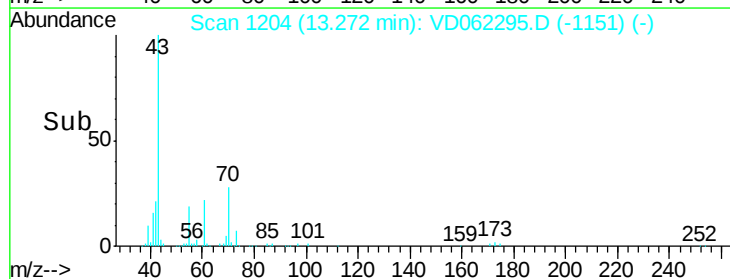
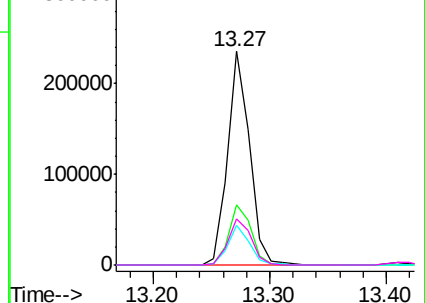


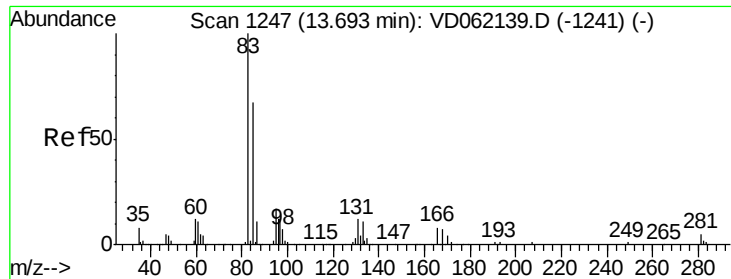
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.678 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

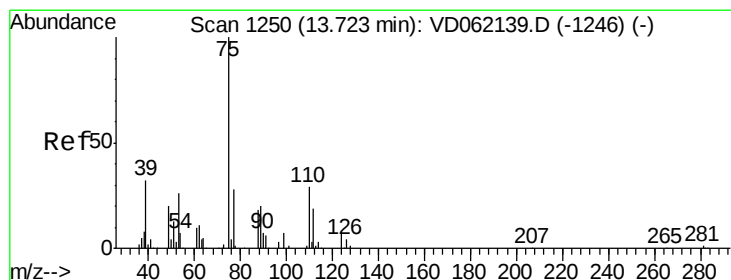
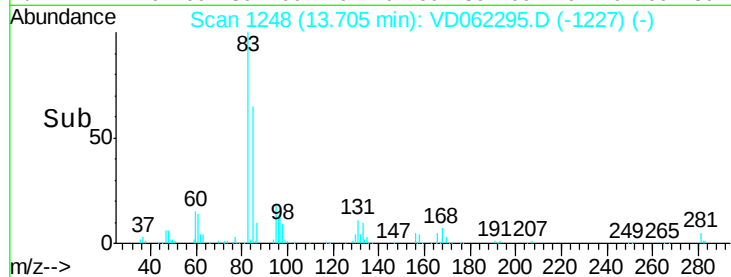
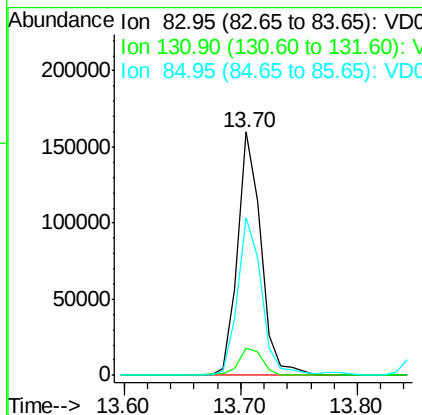
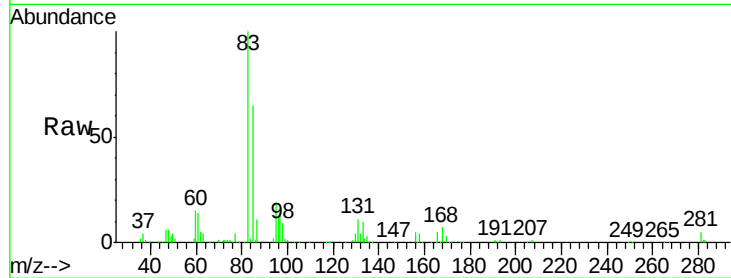
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	223091
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	64.7	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 51.783 ug/l

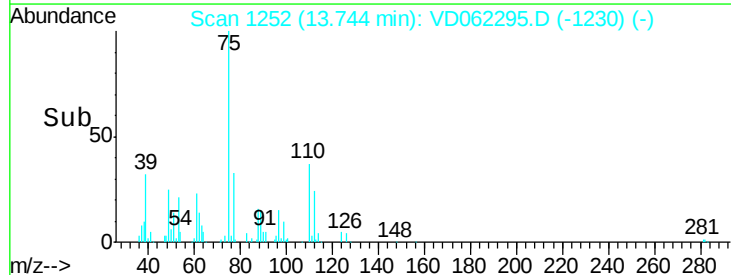
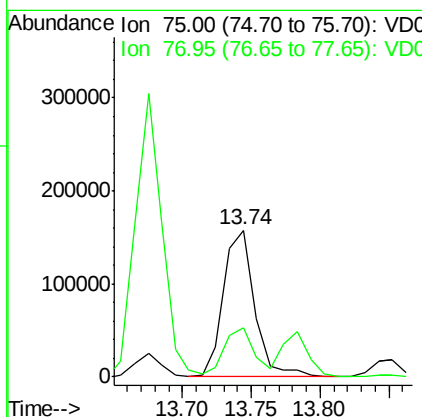
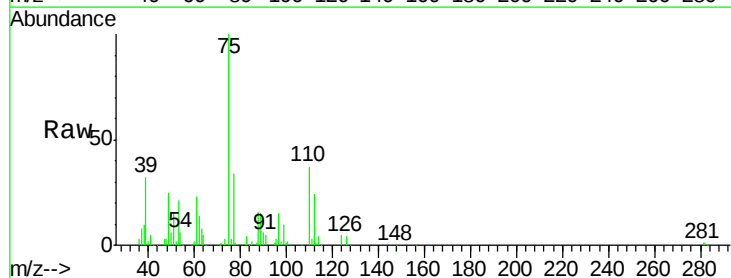
RT: 13.74 min Scan# 1252

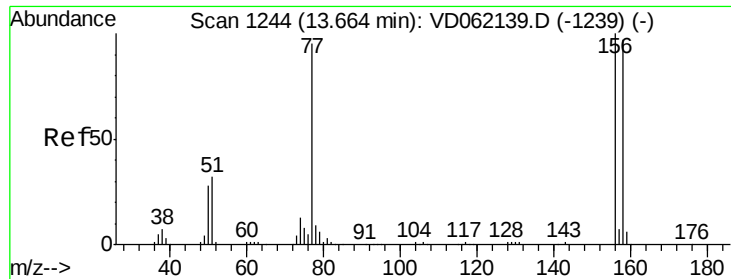
Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion:	75	Resp:	248536
Ion Ratio	Lower	Upper	
75	100		
77	33.5	16.4	49.4





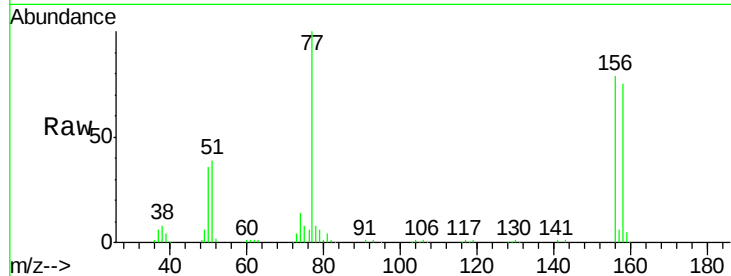
#77
Bromobenzene
Concen: 49.669 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

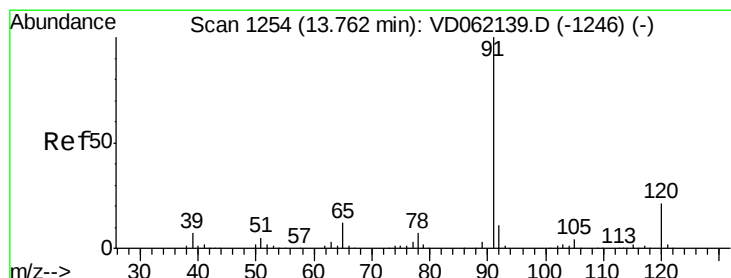
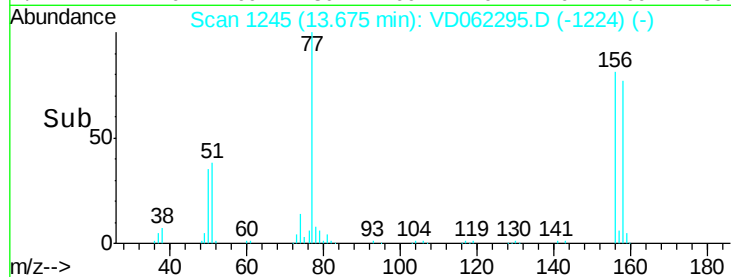
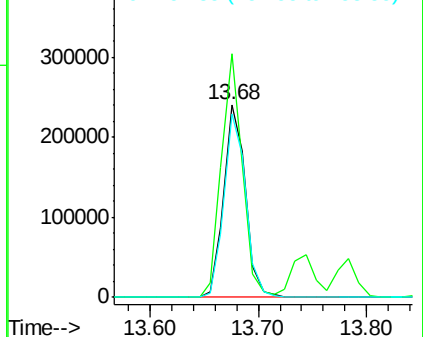
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	126.5	53.1	159.4	
158	95.4	49.4	148.0	

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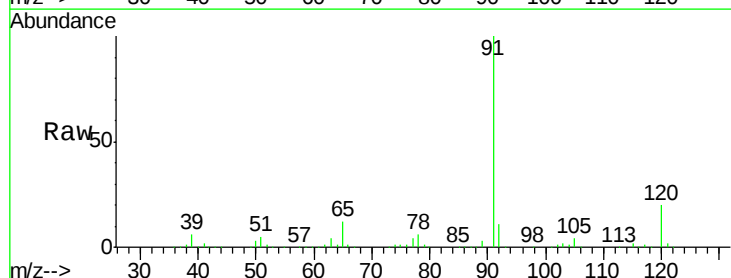


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

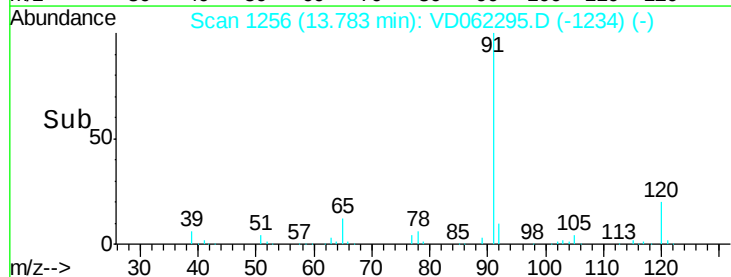
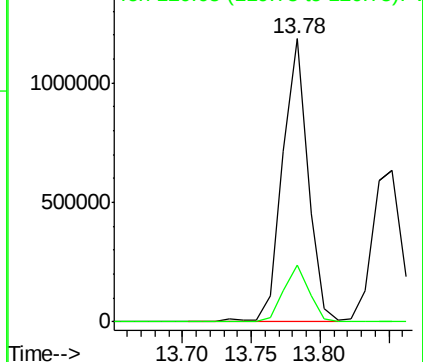


#78
n-propylbenzene
Concen: 52.163 ug/l
RT: 13.78 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.2	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





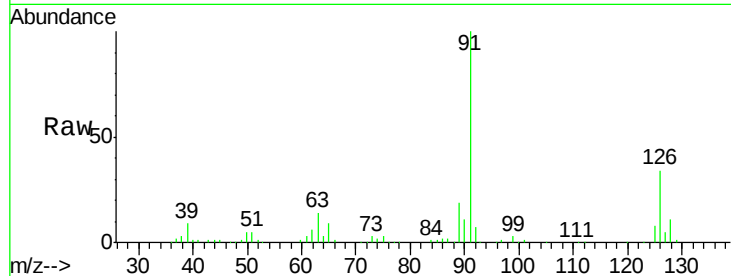
#79
 2-Chlorotoluene
 Concen: 55.813 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

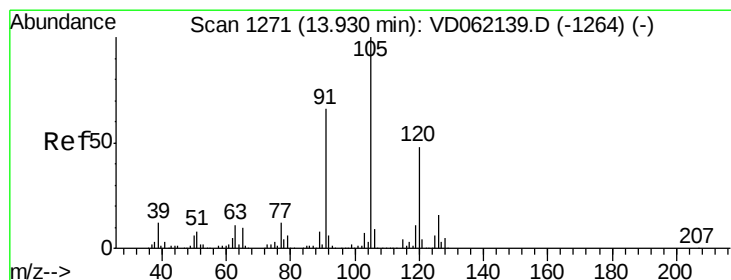
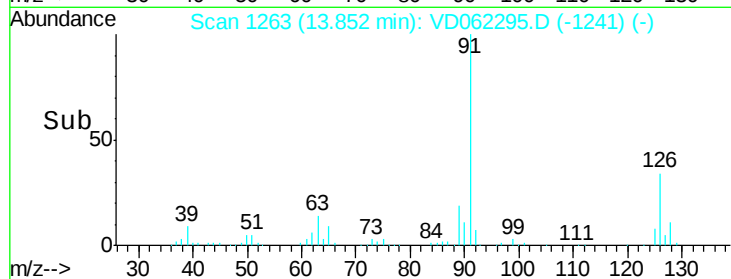
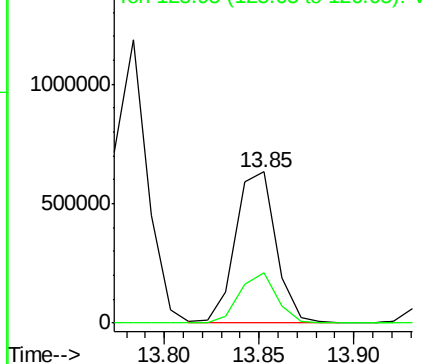
Tot Ion: 91 Resp: 923105
 Ion Ratio Lower Upper
 91 100
 126 33.5 18.6 55.8

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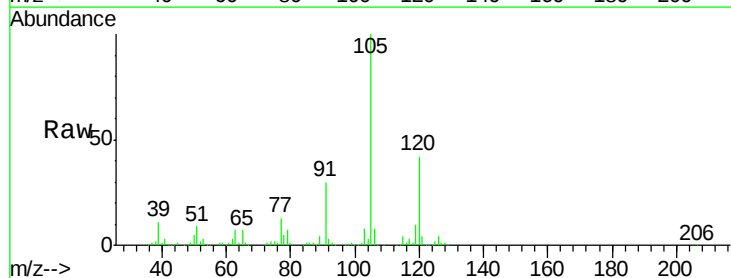


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

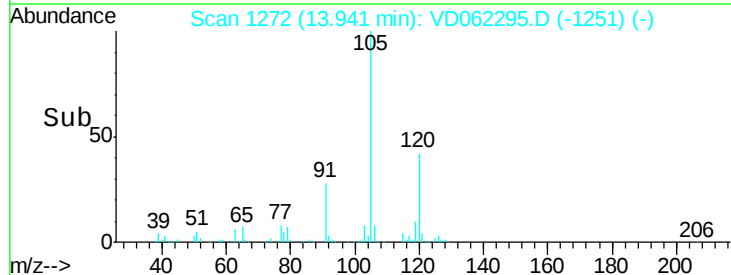
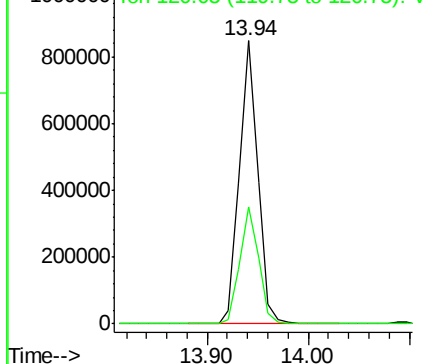


#80
 1,3,5-Trimethylbenzene
 Concen: 52.639 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion:105 Resp: 1073093
 Ion Ratio Lower Upper
 105 100
 120 41.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





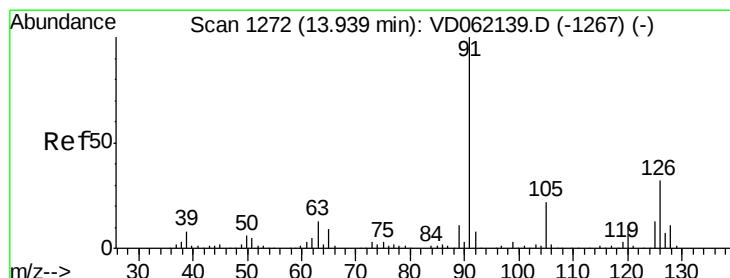
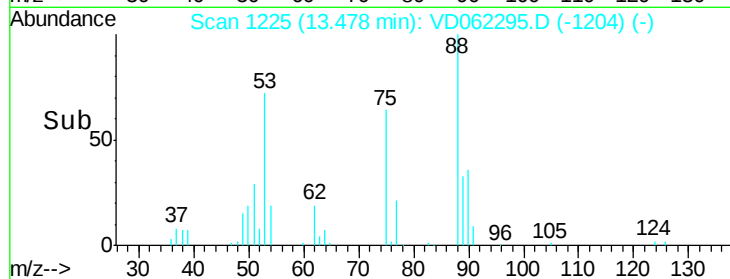
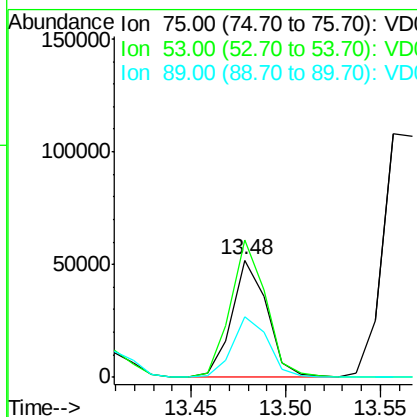
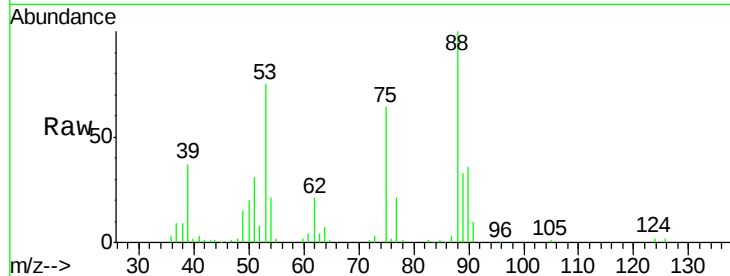
#81
trans-1,4-Dichloro-2-butene
Concen: 49.386 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
53	116.7	65.8	98.8#	
89	51.7	35.0	52.6	

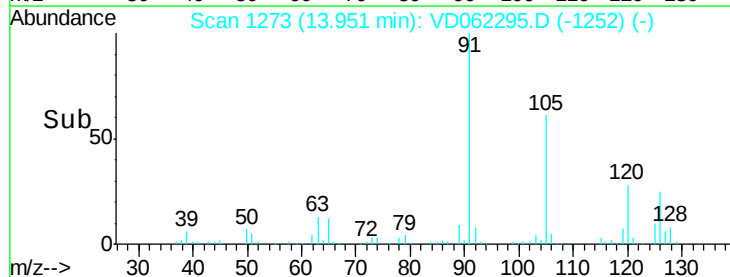
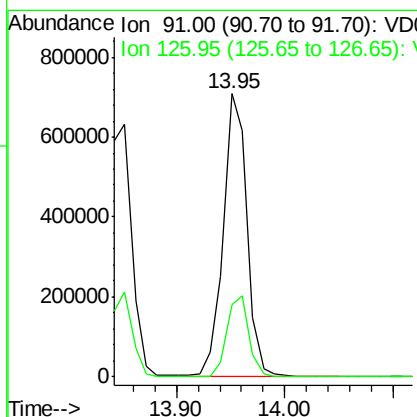
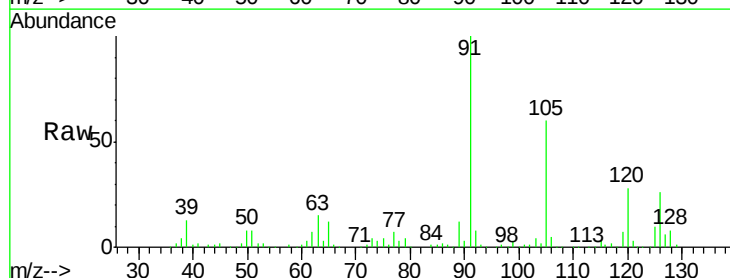
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#82
4-Chlorotoluene
Concen: 55.021 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	25.7	19.1	57.5	





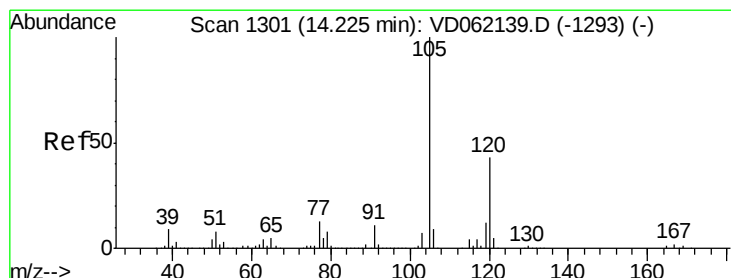
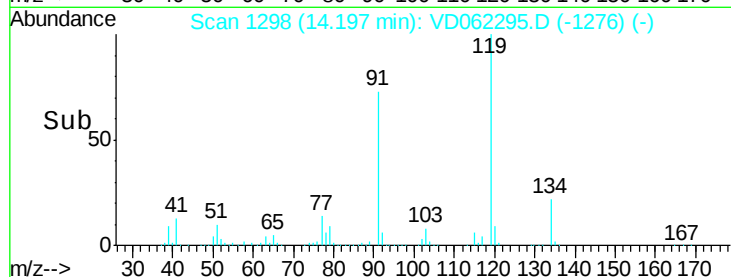
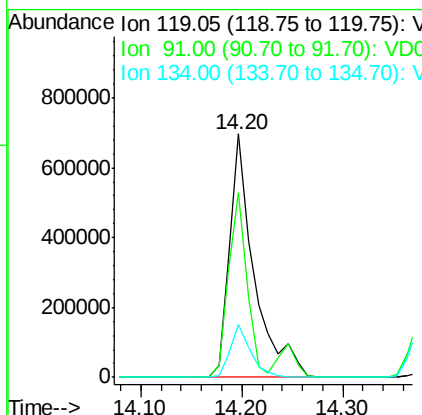
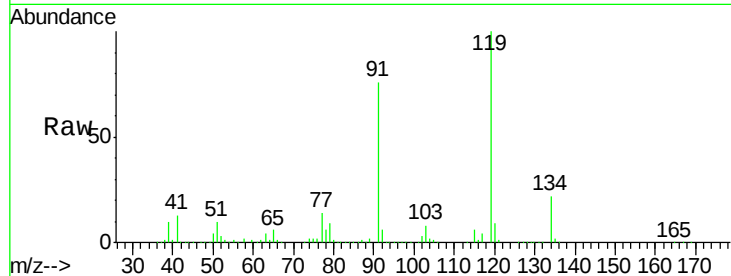
#83
 tert-Butylbenzene
 Concen: 51.277 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1174921
 Ion Ratio Lower Upper
 119 100
 91 75.8 34.2 102.6
 134 21.6 12.0 36.0

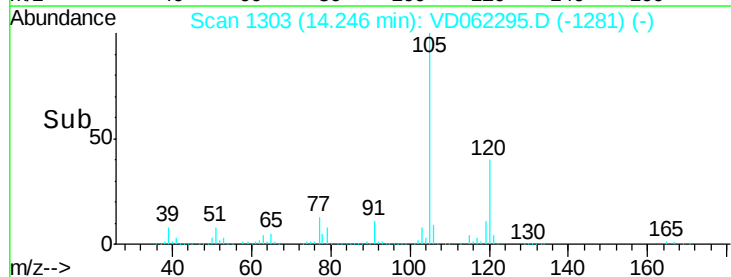
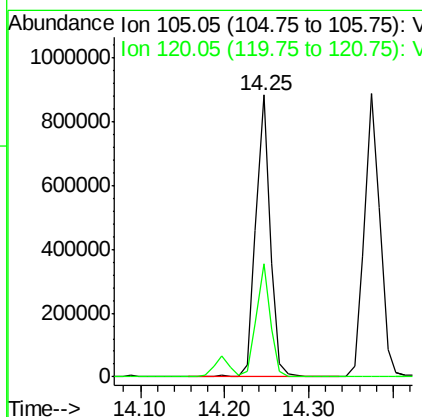
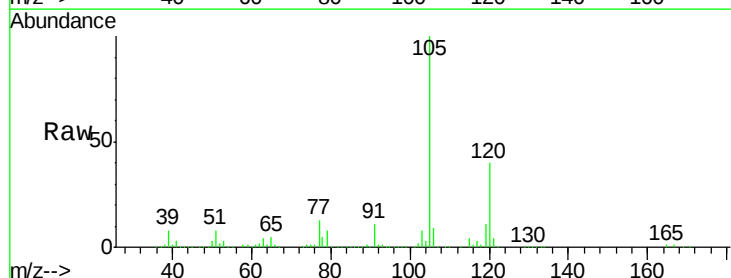
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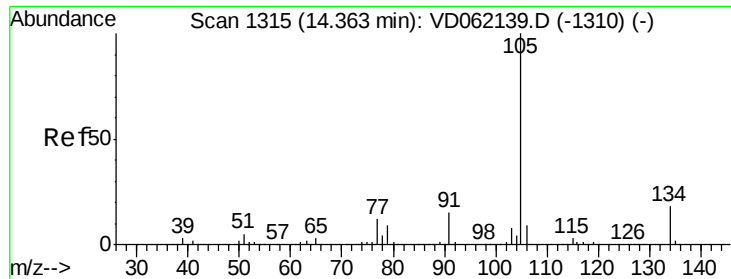
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.035 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion:105 Resp: 1064486
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 45.516 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1143465

Ion Ratio Lower Upper

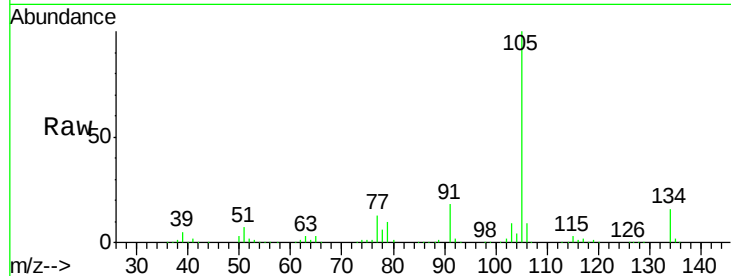
105 100

134 16.1 8.9 26.7

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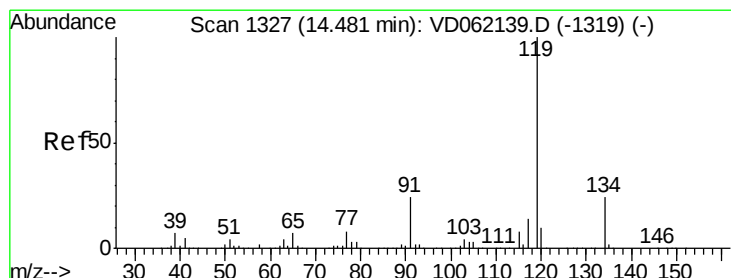
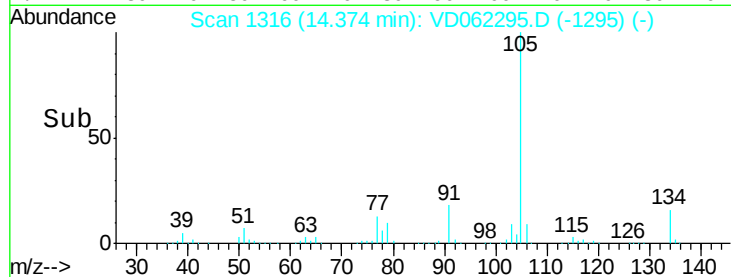
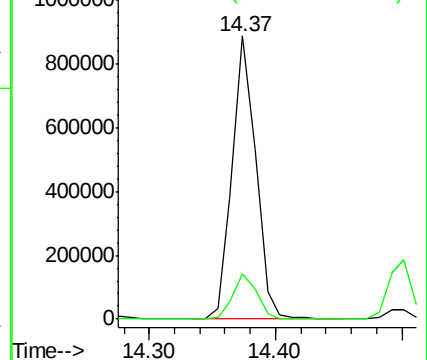
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.911 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

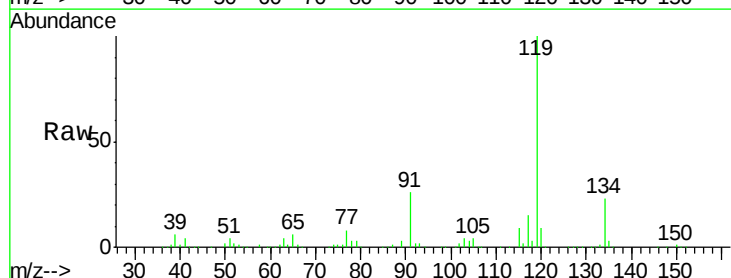
Tgt Ion:119 Resp: 1097821

Ion Ratio Lower Upper

119 100

134 22.9 12.8 38.3

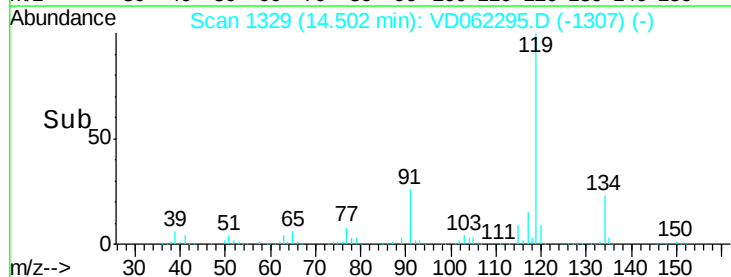
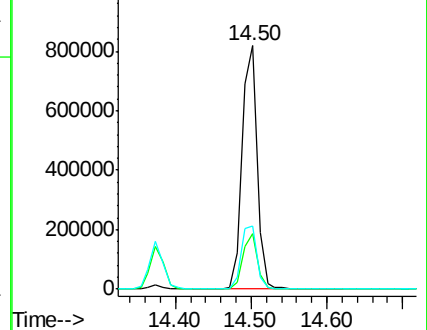
91 25.8 10.7 32.1

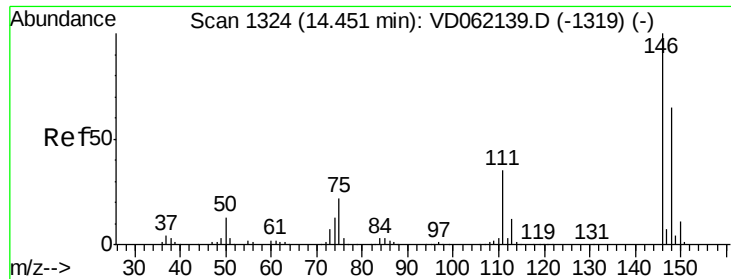


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





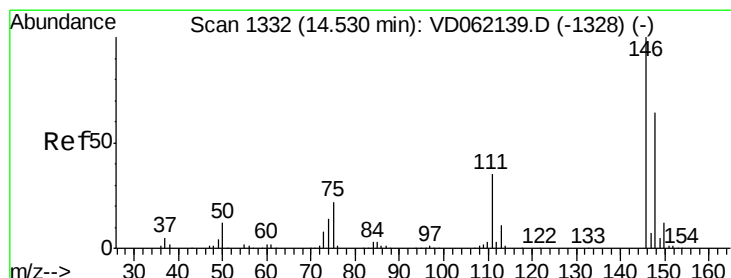
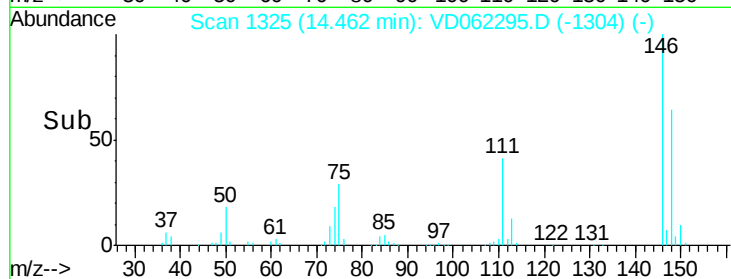
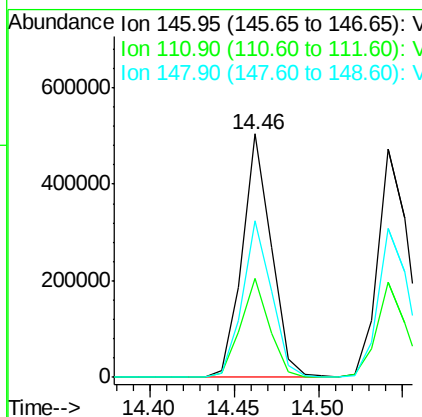
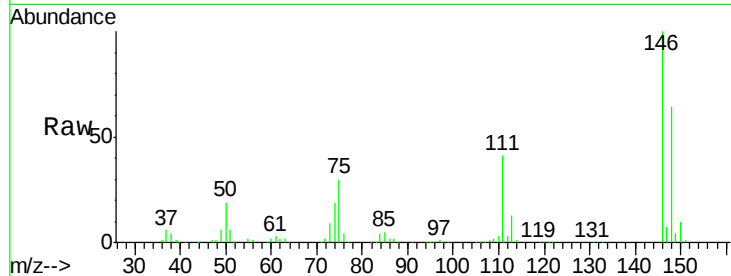
#87
 1,3-Dichlorobenzene
 Concen: 48.733 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	64.1	31.8	95.4

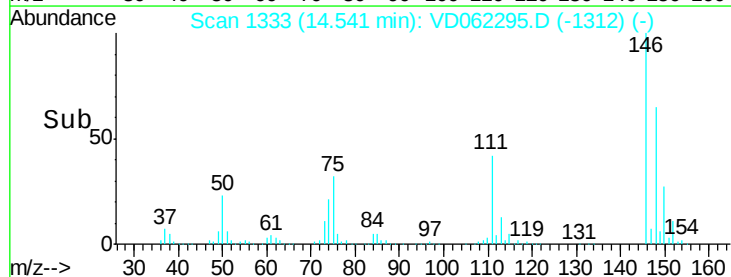
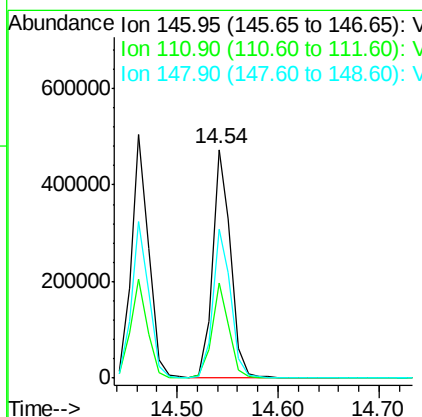
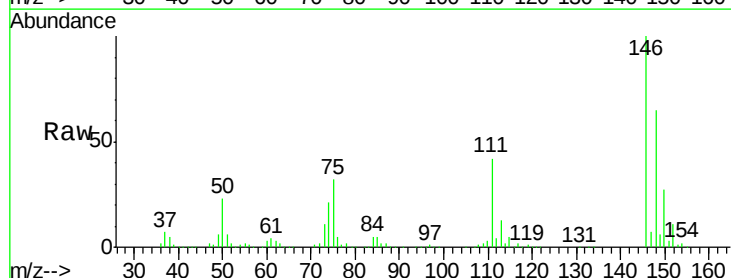
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#88
 1,4-Dichlorobenzene
 Concen: 48.761 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	65.1	32.0	96.2





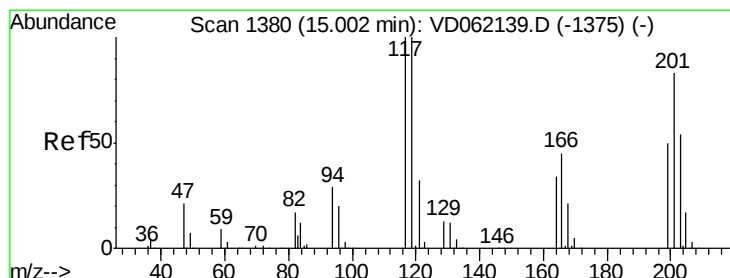
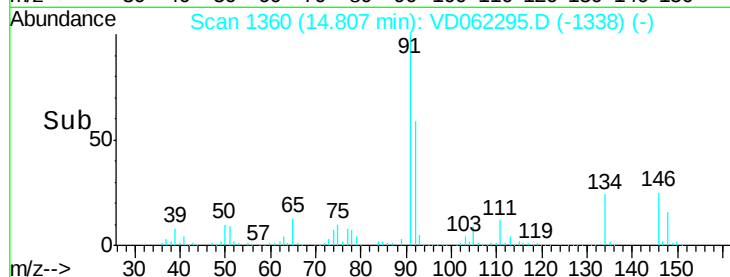
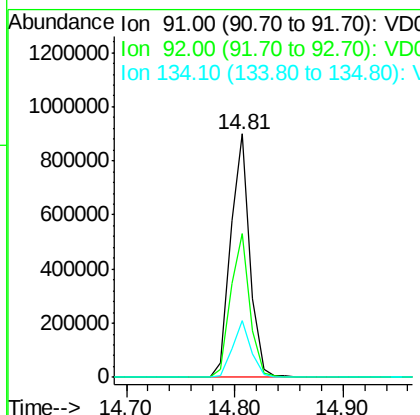
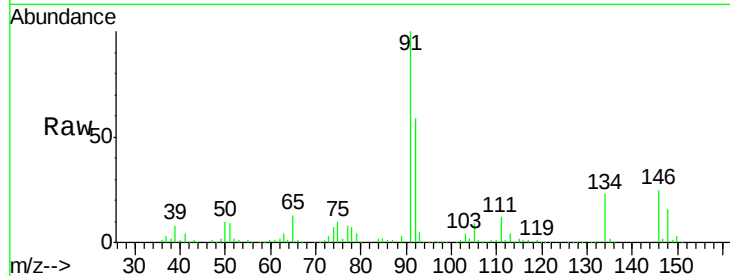
#89
n-Butylbenzene
Concen: 54.877 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1105584
Ion Ratio Lower Upper
91 100
92 59.0 30.3 91.0
134 23.5 14.5 43.6

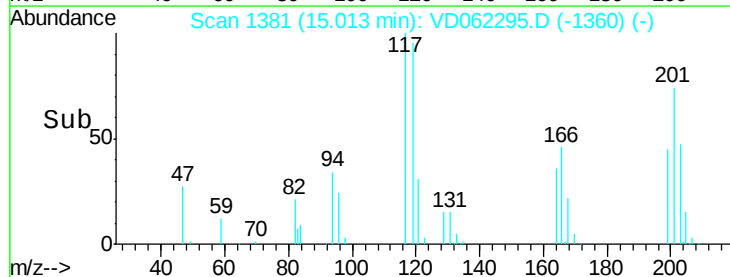
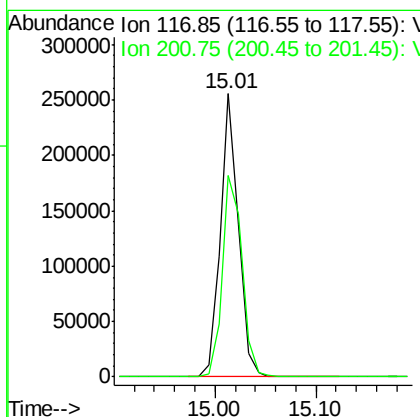
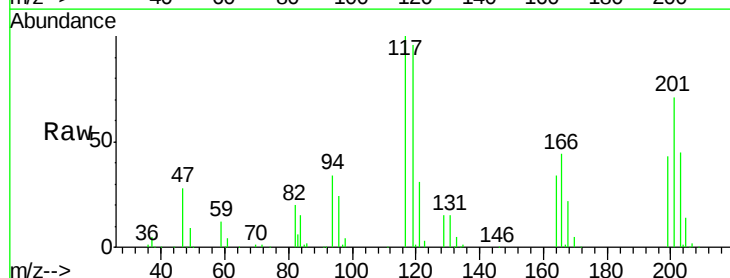
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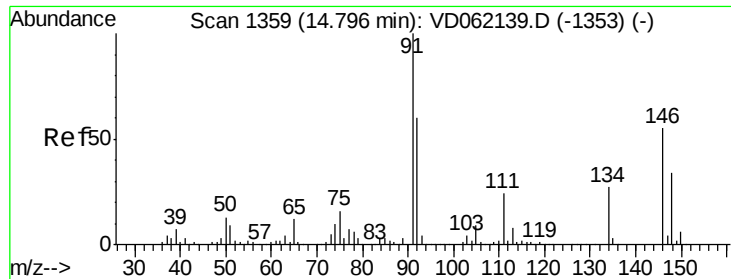
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#90
Hexachloroethane
Concen: 52.375 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062295.D
Acq: 13 May 2019 10:22

Tgt Ion: 117 Resp: 319693
Ion Ratio Lower Upper
117 100
201 71.3 30.2 90.6





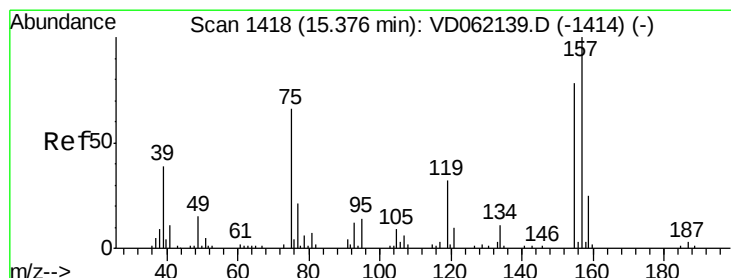
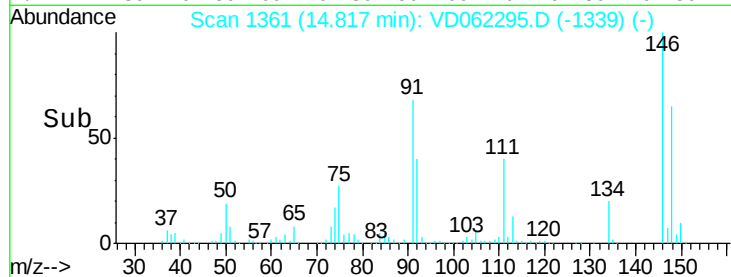
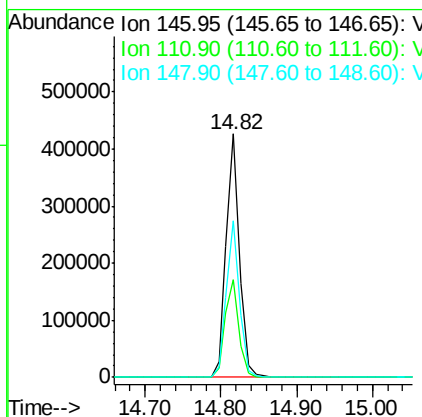
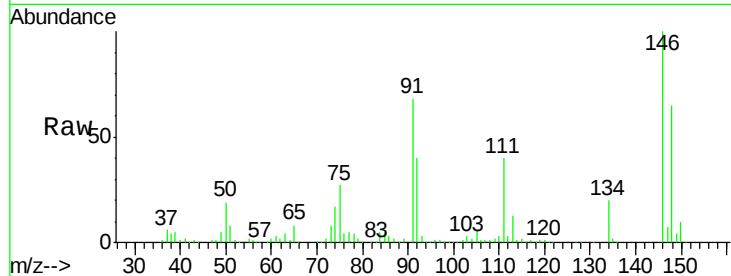
#91
 1,2-Dichlorobenzene
 Concen: 51.207 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.6	32.3	96.8

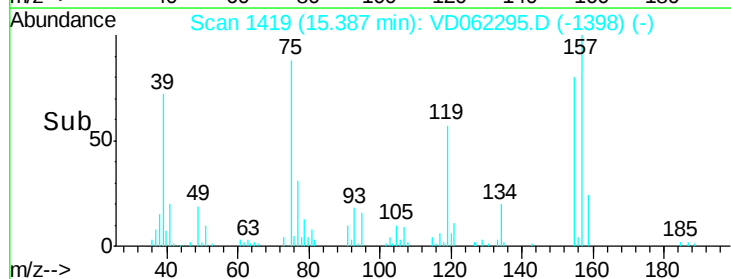
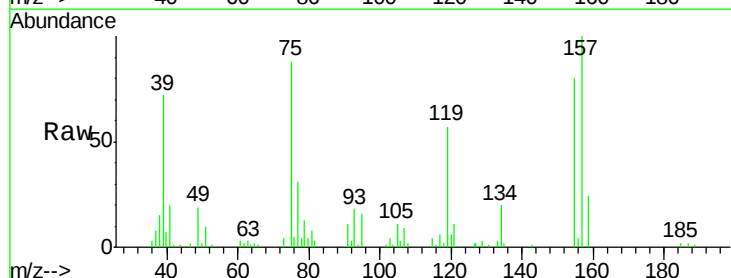
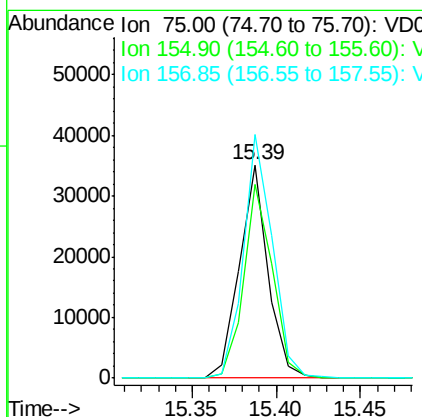
Manual Integrations
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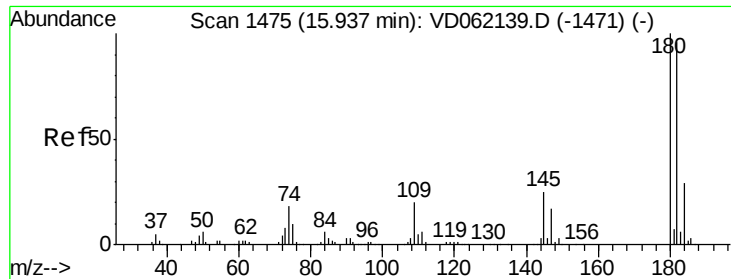
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.669 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	55.3	165.8
157	114.1	67.8	203.2





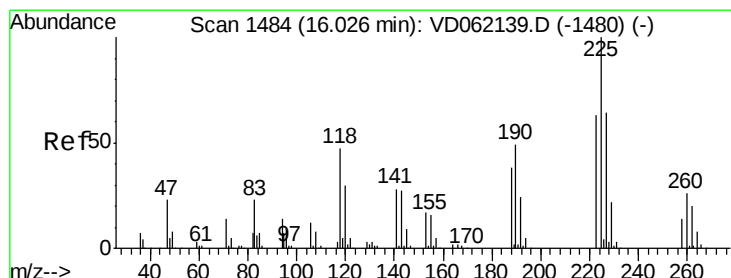
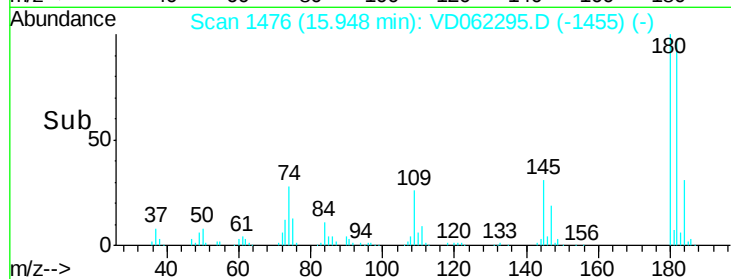
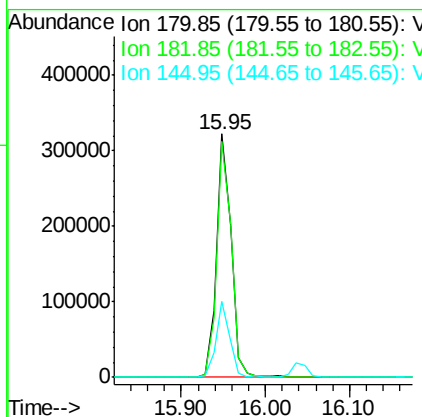
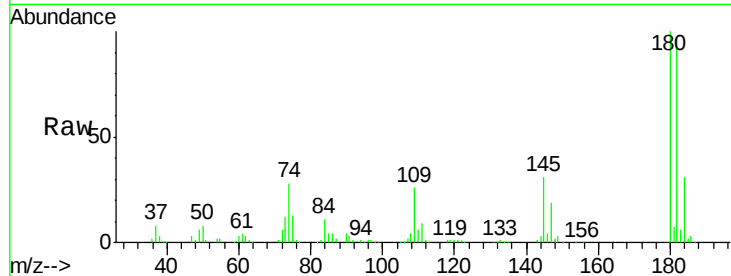
#93
 1,2,4-Trichlorobenzene
 Concen: 52.547 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	389951		
182	97.1	49.3	147.8	
145	31.1	16.2	48.6	

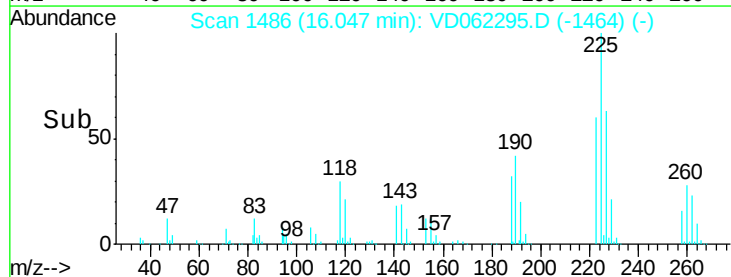
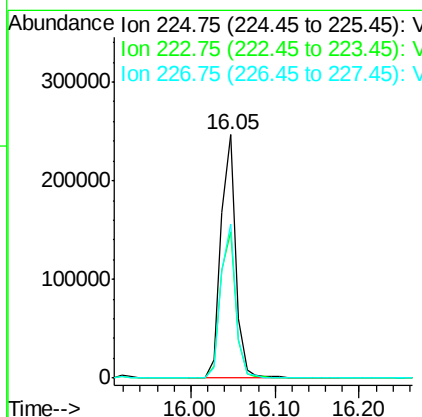
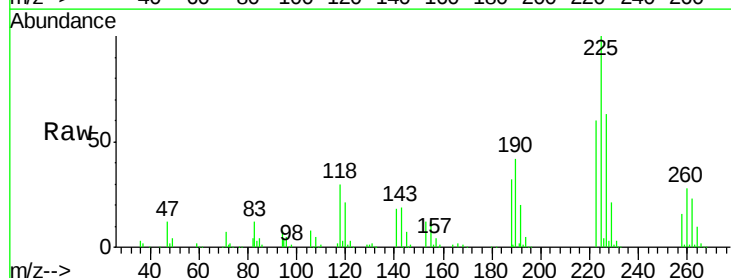
Manual Integrations
 APPROVED

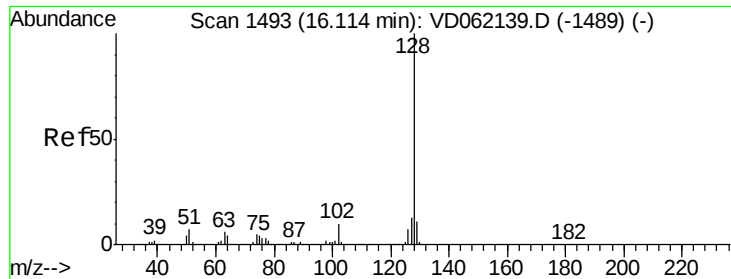
MMDadoda
 5/14/2019 9:50:36 AM



#94
 Hexachlorobutadiene
 Concen: 54.986 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062295.D
 Acq: 13 May 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	303493		
223	59.9	30.6	92.0	
227	63.4	32.0	96.2	





#95

Naphthalene

Concen: 54.217 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Instrument :

MSVOA_D

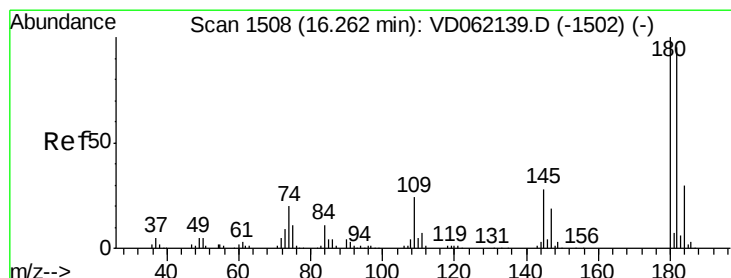
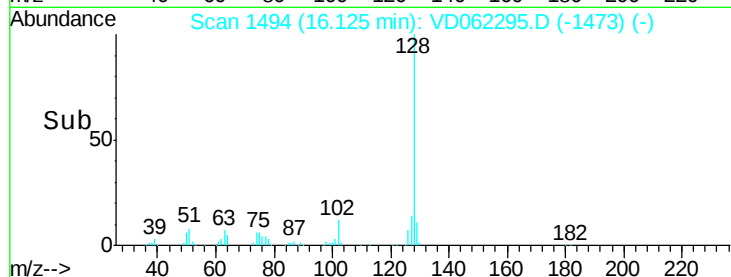
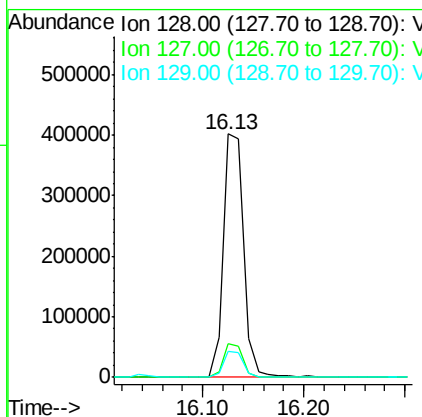
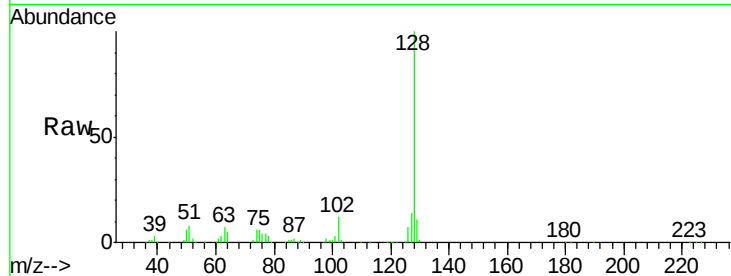
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	561714
Ion Ratio	Lower	Upper	
128	100		
127	13.6	9.8	14.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/14/2019 9:50:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.845 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062295.D

Acq: 13 May 2019 10:22

Tgt Ion:	180	Resp:	279229
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.0
145	31.1	17.0	51.0

