

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062138.D
 Acq On : 7 May 2019 12:35
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:32 AM

Quant Time: May 07 14:18:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	903065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1260253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1063224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	550846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	173539	20.18	ug/l	0.00
Spiked Amount			Recovery	=	40.36%	
35) Dibromofluoromethane	6.91	113	212492	18.64	ug/l	0.02
Spiked Amount			Recovery	=	37.28%	
50) Toluene-d8	10.39	98	489832	17.51	ug/l	0.00
Spiked Amount			Recovery	=	35.02%	
62) 4-Bromofluorobenzene	13.55	95	192554	17.06	ug/l	0.00
Spiked Amount			Recovery	=	34.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	171750	19.657	ug/l	95
3) Chloromethane	1.74	50	125492	21.029	ug/l	95
4) Vinyl Chloride	1.84	62	120982	18.903	ug/l	98
5) Bromomethane	2.14	94	25350	16.536	ug/l	92
6) Chloroethane	2.24	64	35985m	12.811	ug/l	
7) Trichlorofluoromethane	2.51	101	242702	20.013	ug/l	98
8) Diethyl Ether	2.85	74	44149	18.903	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	182049	19.366	ug/l	96
10) Methyl Iodide	3.29	142	258045	18.621	ug/l	95
11) Tert butyl alcohol	4.05	59	42131	101.433	ug/l	97
12) 1,1-Dichloroethene	3.11	96	132203	17.651	ug/l	94
13) Acrolein	3.01	56	48787	114.771	ug/l	100
14) Allyl chloride	3.60	41	190524	18.219	ug/l	87
15) Acrylonitrile	4.17	53	111130	100.347	ug/l	94
16) Acetone	3.21	43	166316	92.098	ug/l #	84
17) Carbon Disulfide	3.36	76	363972	17.739	ug/l	100
18) Methyl Acetate	3.62	43	60652	19.814	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	288643	19.348	ug/l	94
20) Methylene Chloride	3.80	84	136964	19.180	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	140705	17.280	ug/l	98
22) Diisopropyl ether	5.10	45	391528	18.327	ug/l	96
23) Vinyl Acetate	5.03	43	1085149	92.863	ug/l	98
24) 1,1-Dichloroethane	4.96	63	248809	19.829	ug/l	99
25) 2-Butanone	6.05	43	185747	100.638	ug/l	98
26) 2,2-Dichloropropane	5.99	77	242899	19.544	ug/l	92
27) cis-1,2-Dichloroethene	6.02	96	153688	18.303	ug/l	93
28) Bromochloromethane	6.42	49	101433	20.318	ug/l	91
29) Tetrahydrofuran	6.44	42	88635	107.557	ug/l	95
30) Chloroform	6.64	83	298629	19.263	ug/l	97
31) Cyclohexane	6.94	56	168553	18.596	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	295743	19.710	ug/l	98
36) 1,1-Dichloropropene	7.13	75	210194	20.007	ug/l	96
37) Ethyl Acetate	6.16	43	91473	20.083	ug/l #	90
38) Carbon Tetrachloride	7.10	117	283362	19.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	194811	18.446	ug/l	95
40) Benzene	7.44	78	461987	19.391	ug/l	97
41) Methacrylonitrile	6.43	41	108376	20.254	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	194200	19.110	ug/l	97
43) Isopropyl Acetate	9.22	43	123765	19.528	ug/l	98
44) Trichloroethene	8.52	130	166042	17.727	ug/l	91
45) 1,2-Dichloropropane	8.93	63	108634	18.419	ug/l	91
46) Dibromomethane	9.04	93	91631	18.933	ug/l	88
47) Bromodichloromethane	9.36	83	227535	19.256	ug/l	98
48) Methyl methacrylate	9.10	41	78142	20.464	ug/l	85
49) 1,4-Dioxane	9.06	88	16445	395.679	ug/l #	92
51) 4-Methyl-2-Pentanone	10.28	43	417795	105.798	ug/l	95
52) Toluene	10.49	92	295770	18.863	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	198335	19.152	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	216237	18.609	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	101226	17.593	ug/l	97
56) Ethyl methacrylate	11.03	69	106599	17.783	ug/l #	90
57) 1,3-Dichloropropane	11.40	76	168152	18.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	309426	96.683	ug/l	97
59) 2-Hexanone	11.52	43	311878	105.087	ug/l	97
60) Dibromochloromethane	11.67	129	186868	19.241	ug/l	99
61) 1,2-Dibromoethane	11.79	107	129977	19.656	ug/l	96
64) Tetrachloroethene	11.24	164	155818	18.014	ug/l	95
65) Chlorobenzene	12.39	112	405362	20.771	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	172895	18.725	ug/l	97
67) Ethyl Benzene	12.51	91	679138	19.351	ug/l	93
68) m/p-Xylenes	12.66	106	469443	35.560	ug/l	95
69) o-Xylene	13.04	106	219697	18.540	ug/l	92
70) Styrene	13.07	104	379070	19.567	ug/l	99
71) Bromoform	13.23	173	116713	18.222	ug/l #	97
73) Isopropylbenzene	13.39	105	670223	20.396	ug/l	98
74) N-amyl acetate	13.26	43	169144	19.924	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	120294	20.422	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	132372	21.772	ug/l	100
77) Bromobenzene	13.66	156	187906	21.963	ug/l	89
78) n-propylbenzene	13.77	91	763347	20.519	ug/l	97
79) 2-Chlorotoluene	13.84	91	438141	19.944	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	531120	19.704	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.46	75	35824	18.903	ug/l #	80
82) 4-Chlorotoluene	13.95	91	513225	19.788	ug/l	93
83) tert-Butylbenzene	14.18	119	637167	20.383	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	569261	20.964	ug/l	92
85) sec-Butylbenzene	14.36	105	728155	21.762	ug/l	96
86) p-Isopropyltoluene	14.49	119	618698	19.385	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	319026	19.375	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	337804	21.636	ug/l	96
89) n-Butylbenzene	14.79	91	519632	20.108	ug/l	94
90) Hexachloroethane	15.00	117	166128	19.973	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	273965	21.335	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	19953	20.066	ug/l	68

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VSTDICC020

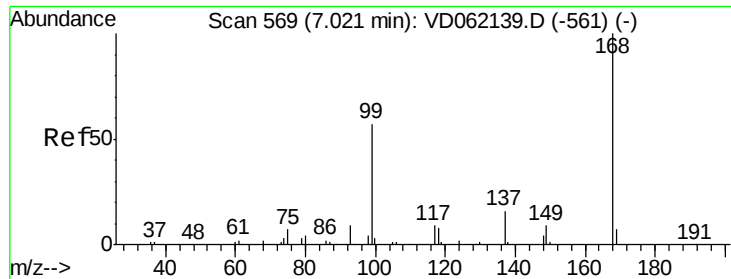
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	210656	22.506	ug/l	94
94) Hexachlorobutadiene	16.03	225	150528	20.754	ug/l	97
95) Naphthalene	16.12	128	277138	19.781	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	126392	20.460	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 903065

Ion Ratio Lower Upper

168 100

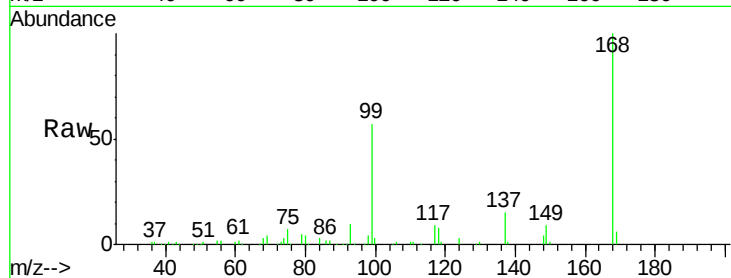
99 57.2 46.5 69.7

Manual Integrations

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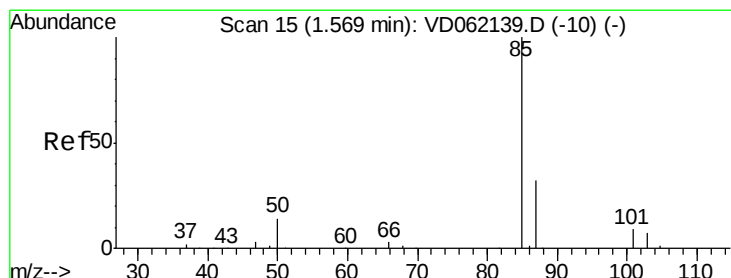
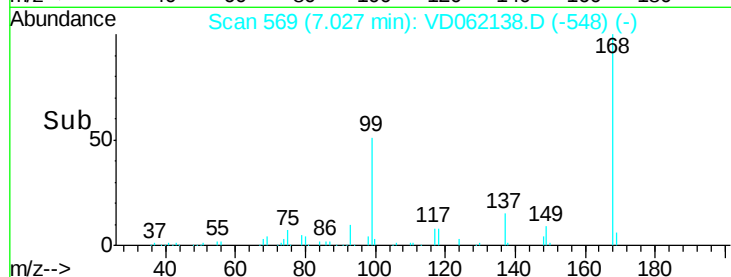
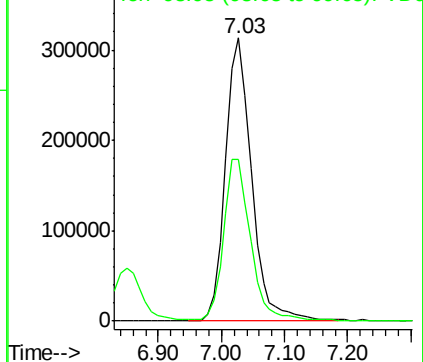
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.657 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062138.D

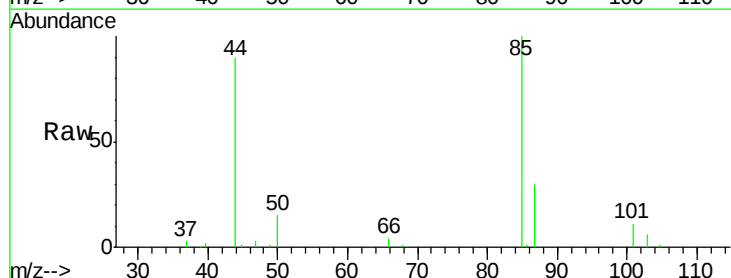
Acq: 7 May 2019 12:35

Tgt Ion: 85 Resp: 171750

Ion Ratio Lower Upper

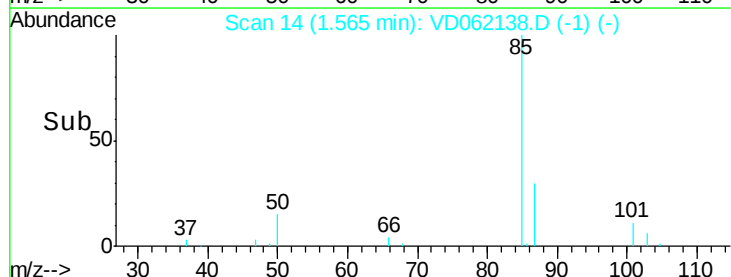
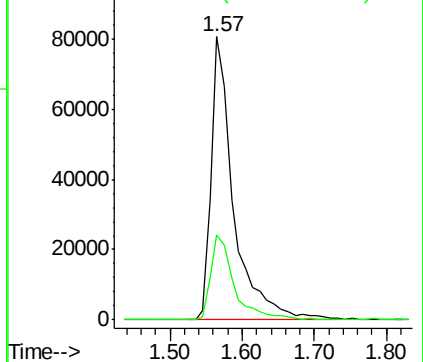
85 100

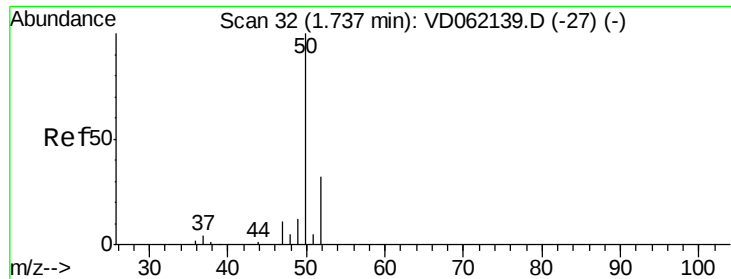
87 29.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.029 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 125492

Ion Ratio Lower Upper

50 100

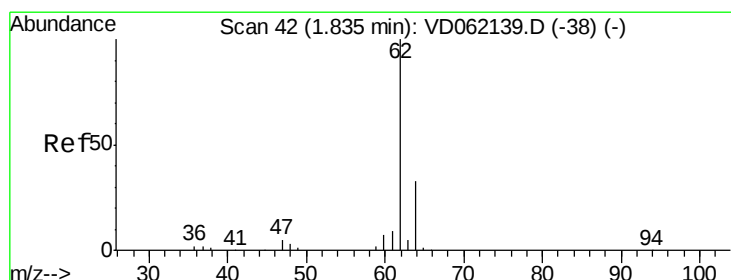
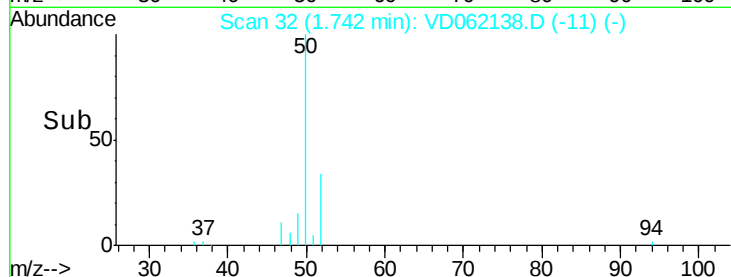
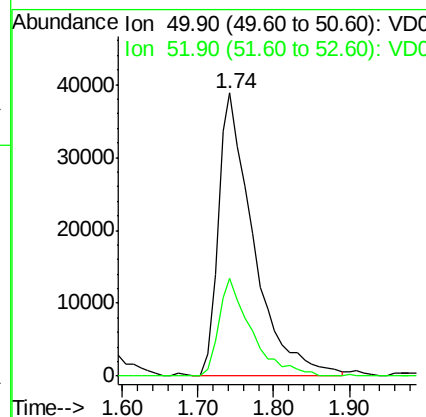
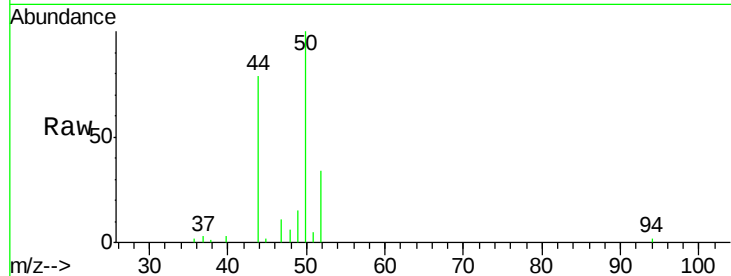
52 34.4 25.2 37.8

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#4

Vinyl Chloride

Concen: 18.903 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062138.D

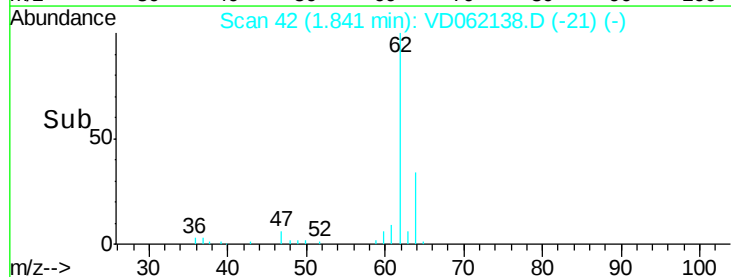
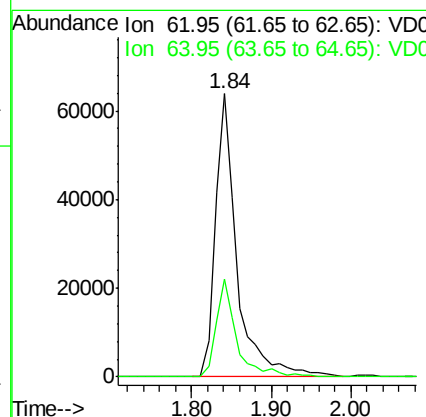
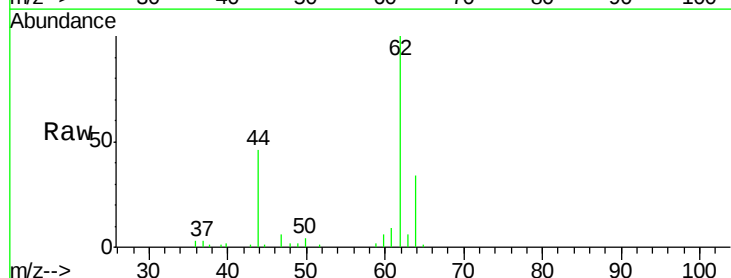
Acq: 7 May 2019 12:35

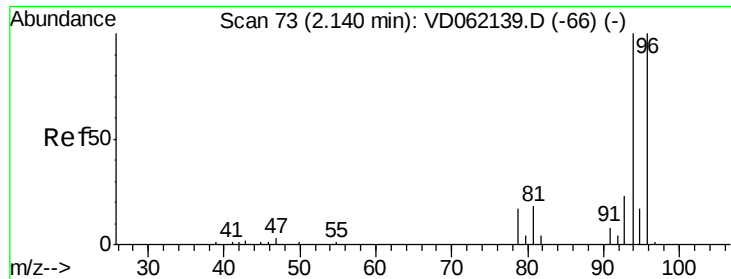
Tgt Ion: 62 Resp: 120982

Ion Ratio Lower Upper

62 100

64 34.4 26.5 39.7





#5

Bromomethane

Concen: 16.536 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

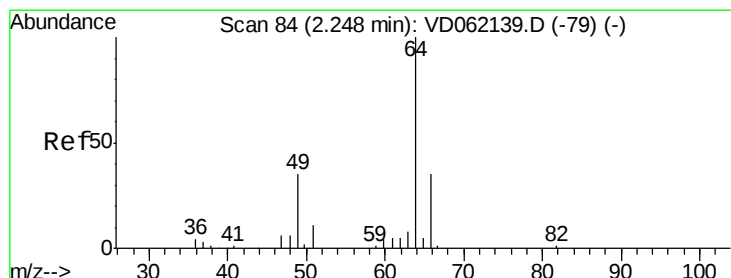
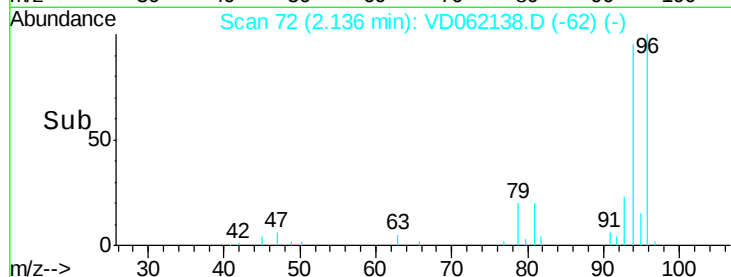
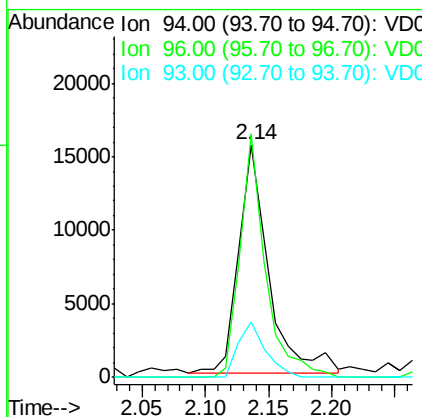
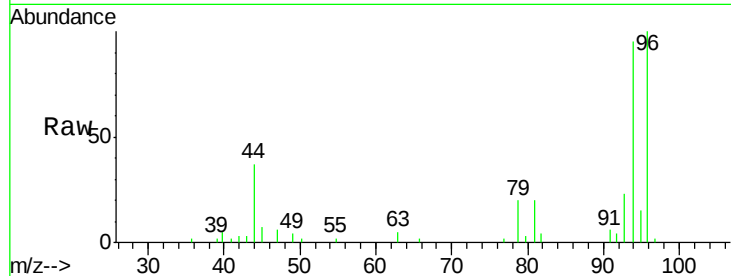
ClientSampleId :

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Tot Ion:	94	Resp:	25350
Ion	Ratio	Lower	Upper
94	100		
96	104.9	76.6	115.0
93	24.1	18.5	27.7

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#6

Chloroethane

Concen: 12.811 ug/l m

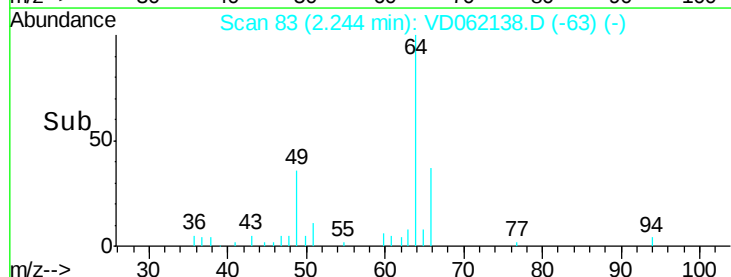
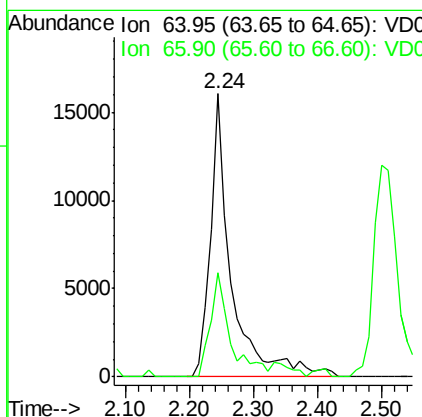
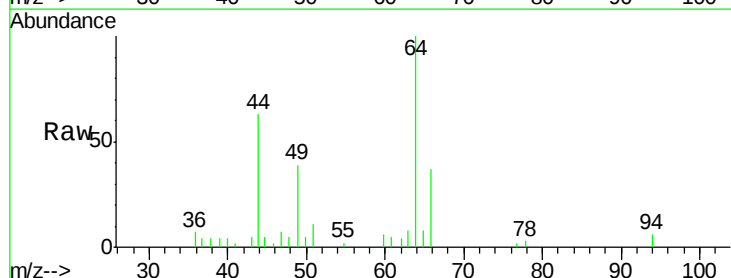
RT: 2.24 min Scan# 83

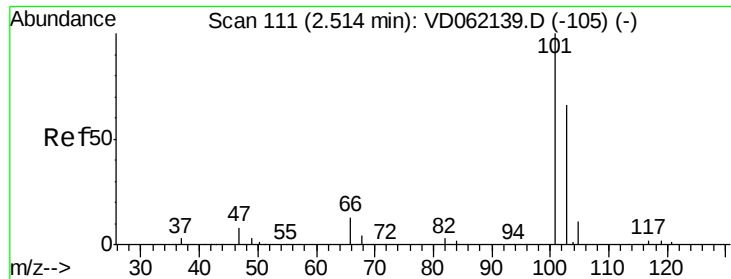
Delta R.T. -0.00 min

Lab File: VD062138.D

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Tgt Ion:	64	Resp:	35985
Ion	Ratio	Lower	Upper
64	100		
66	36.9	25.6	38.4





#7

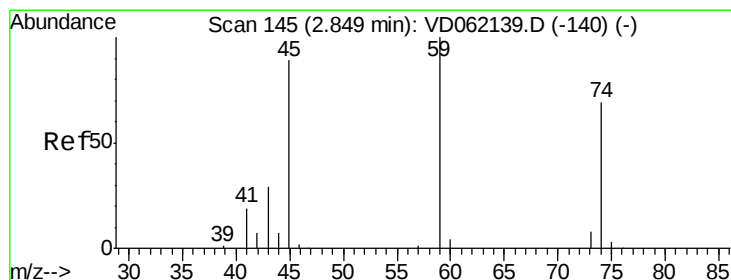
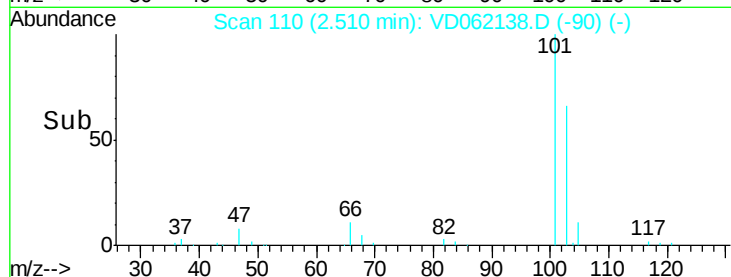
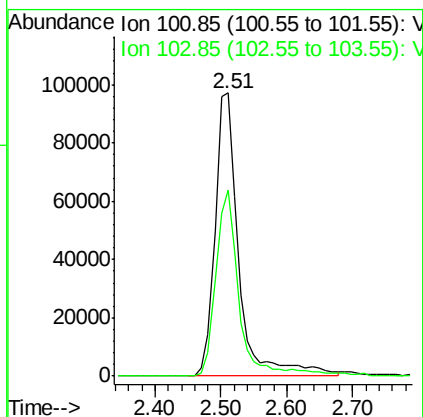
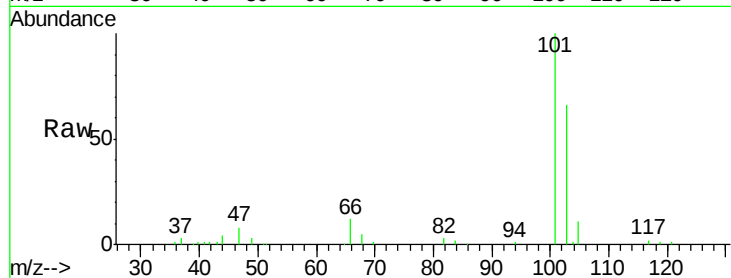
Trichlorofluoromethane
Concen: 20.013 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.6	80.4

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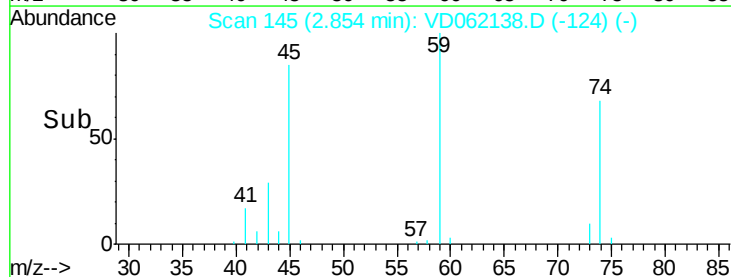
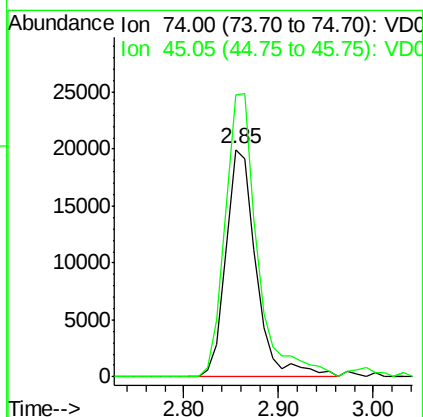
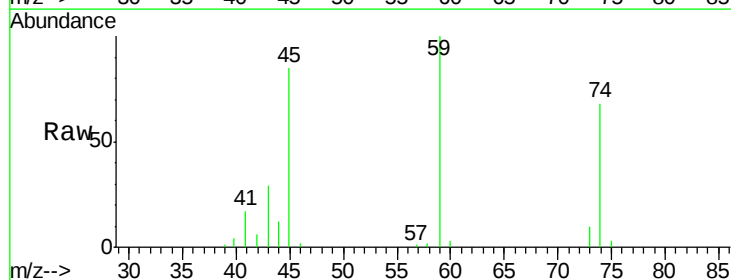
MMDadoda
5/9/2019 12:56:32 AM

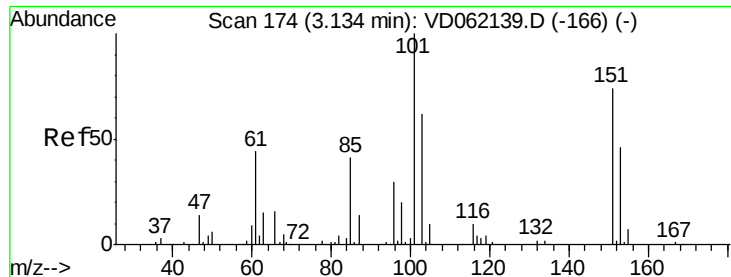


#8

Diethyl Ether
Concen: 18.903 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.366 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

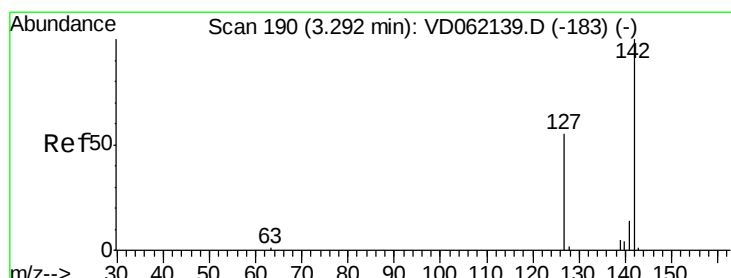
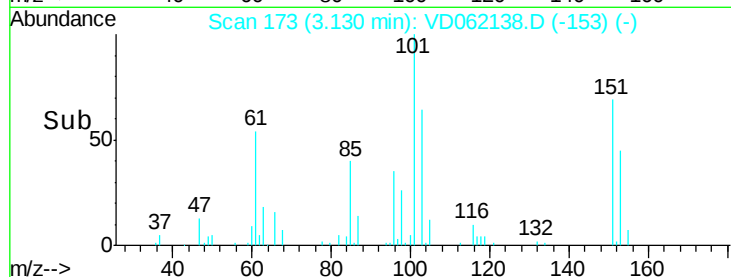
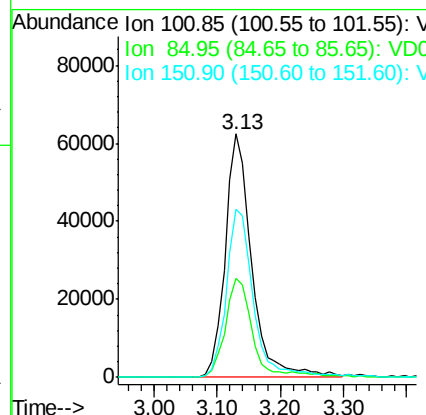
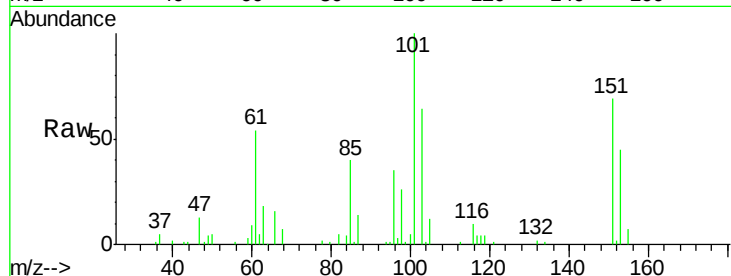
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	182049
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.4	48.6
151	68.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.621 ug/l

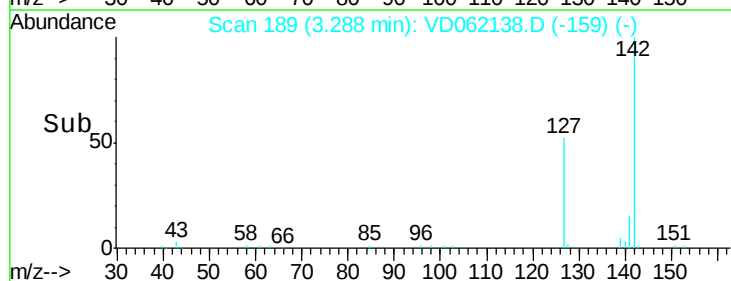
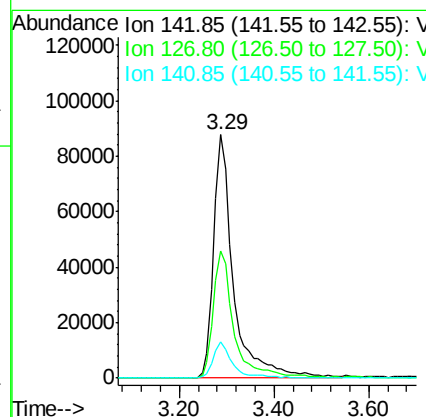
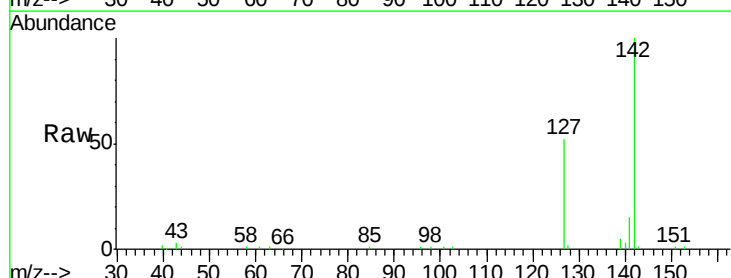
RT: 3.29 min Scan# 189

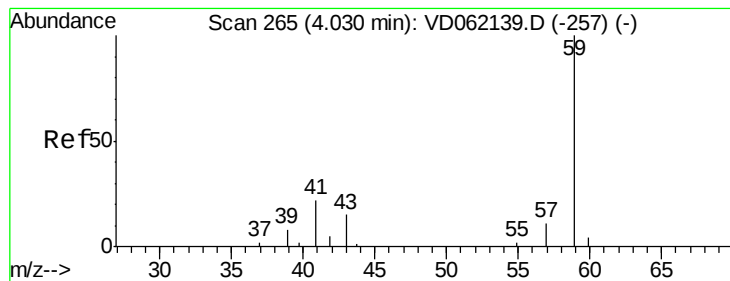
Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion:	142	Resp:	258045
Ion Ratio	Lower	Upper	
142	100		
127	52.2	38.8	58.2
141	14.9	11.4	17.0





#11

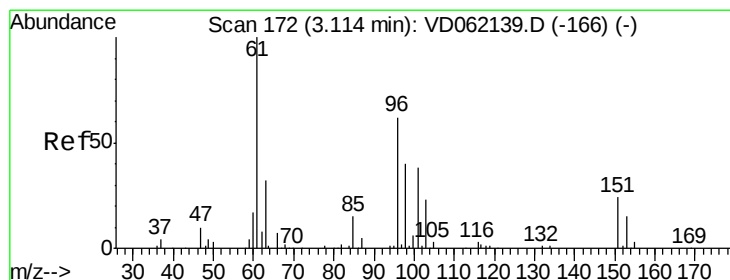
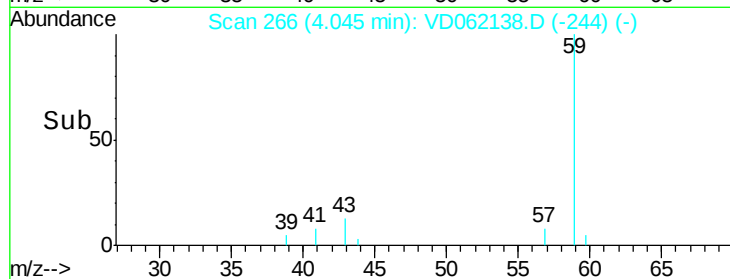
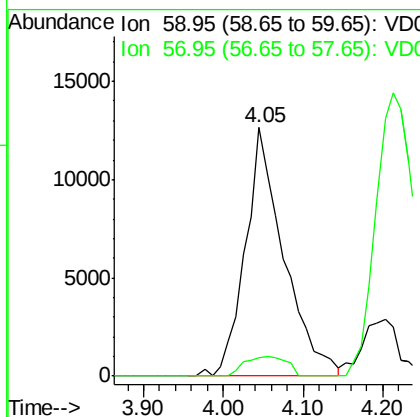
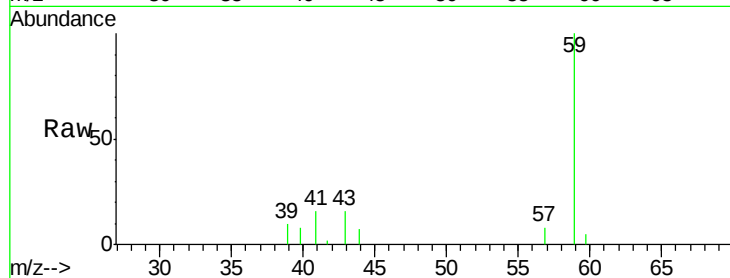
Tert butyl alcohol
 Concen: 101.433 ug/l
 RT: 4.05 min Scan# 266
 Delta R.T. 0.02 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.6	6.9	10.3

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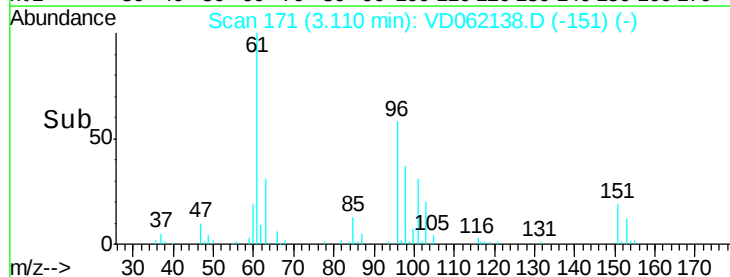
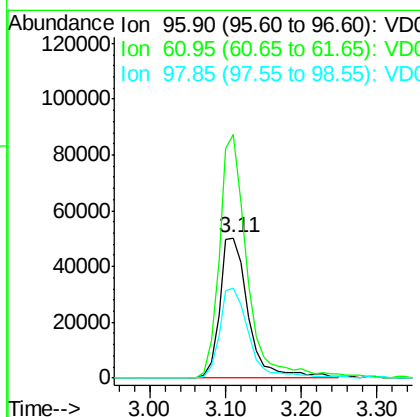
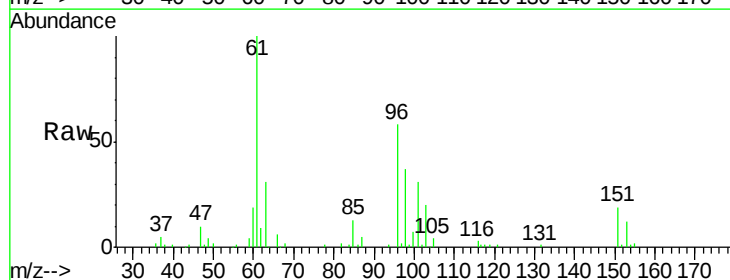
MMDadoda
 5/9/2019 12:56:32 AM

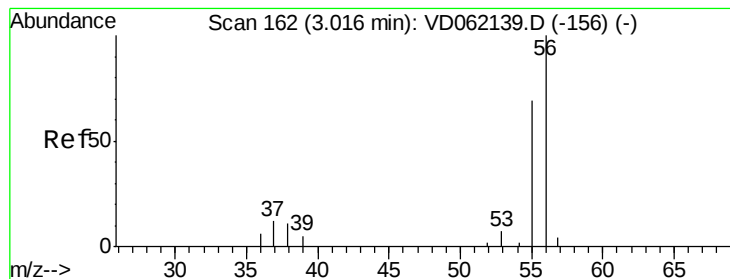


#12

1,1-Dichloroethene
 Concen: 17.651 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	129.8	194.8
98	64.1	51.2	76.8





#13

Acrolein

Concen: 114.771 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tot Ion: 56 Resp: 48787

Ion Ratio Lower Upper

56 100

55 64.4 51.4 77.2

Instrument :

MSVOA_D

ClientSampleId :

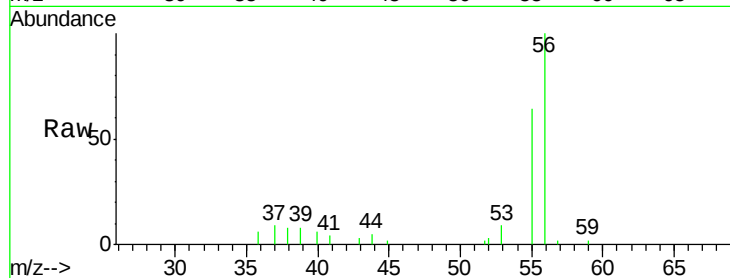
VSTDIC020

Manual Integrations

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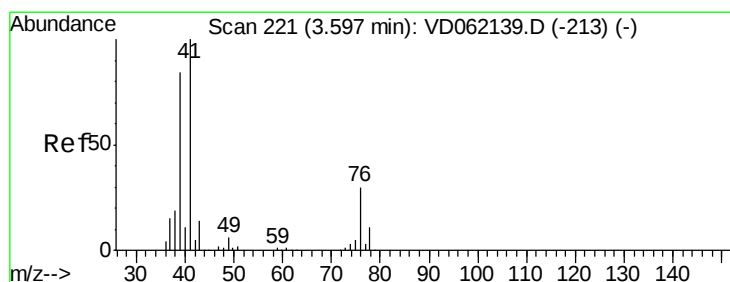
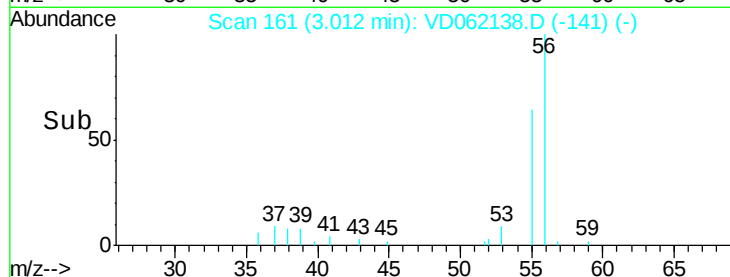
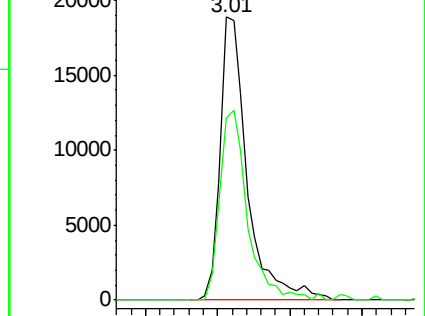
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.219 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

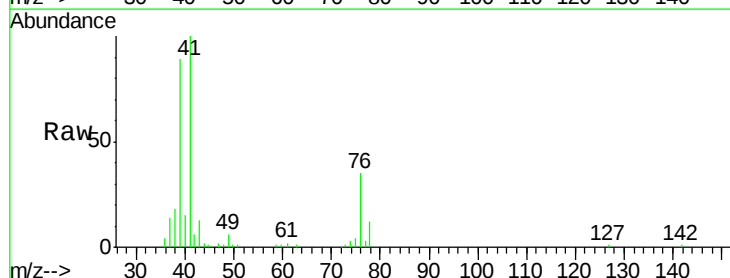
Tgt Ion: 41 Resp: 190524

Ion Ratio Lower Upper

41 100

39 88.8 60.5 90.7

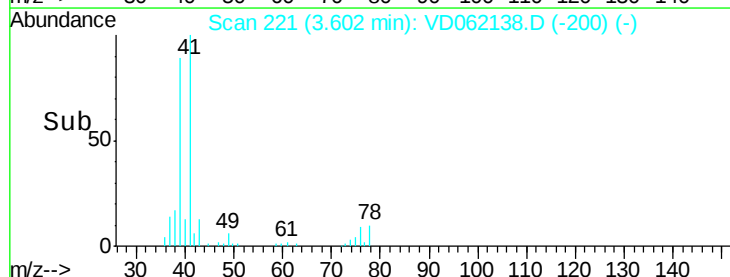
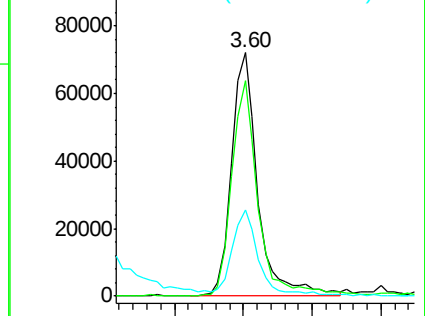
76 35.2 31.8 47.8



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





#15

Acrylonitrile

Concen: 100.347 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

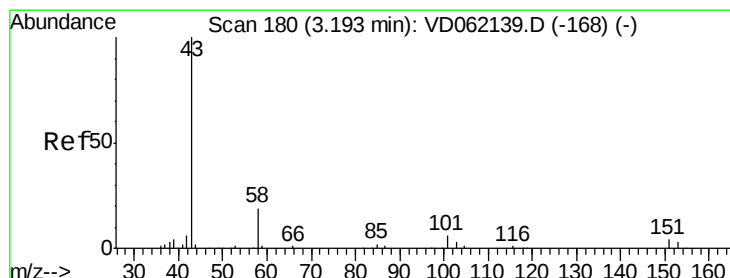
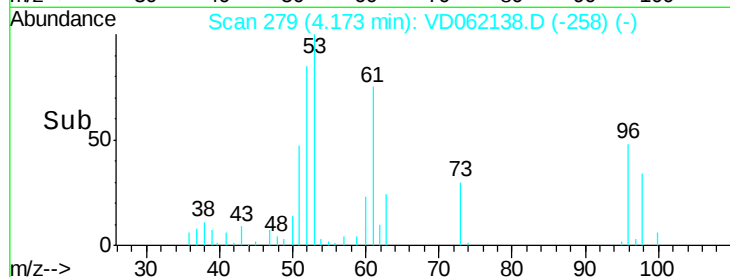
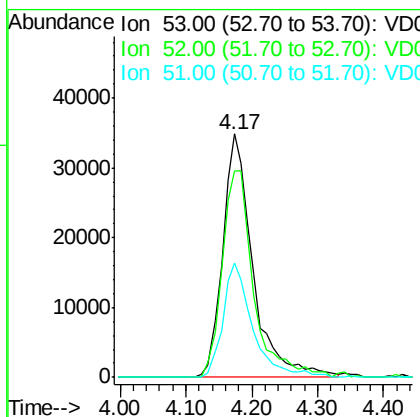
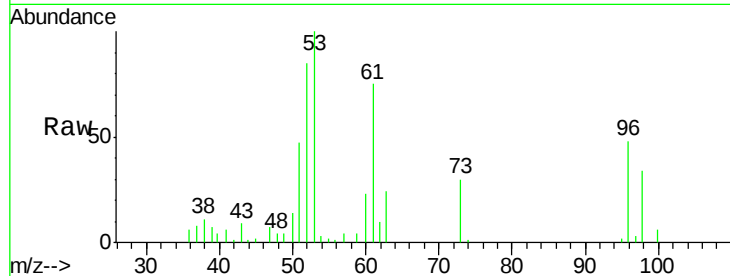
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	111130
Ion Ratio	Lower	Upper	
53	100		
52	84.9	65.0	97.4
51	46.9	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 92.098 ug/l

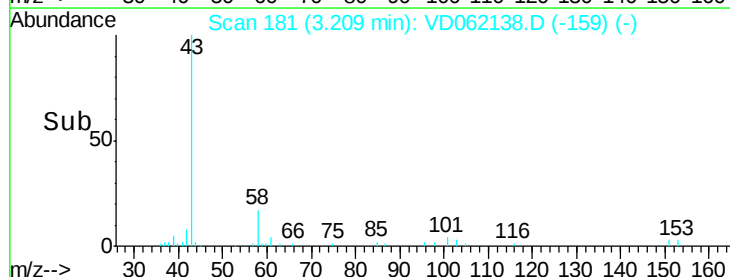
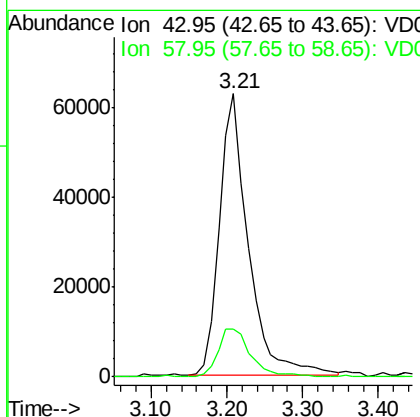
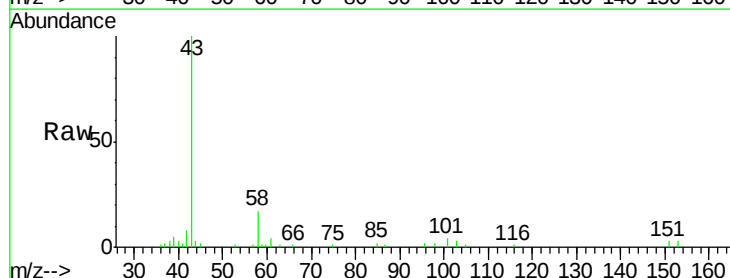
RT: 3.21 min Scan# 181

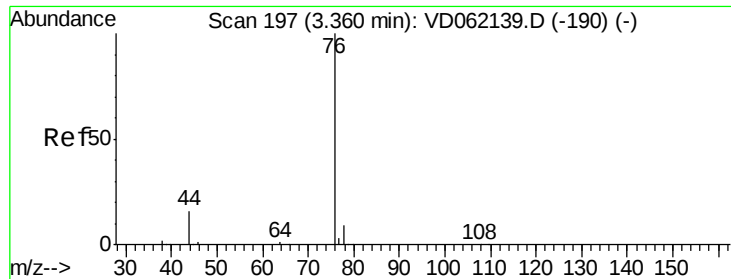
Delta R.T. 0.02 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion:	43	Resp:	166316
Ion Ratio	Lower	Upper	
43	100		
58	17.1	19.9	29.9#





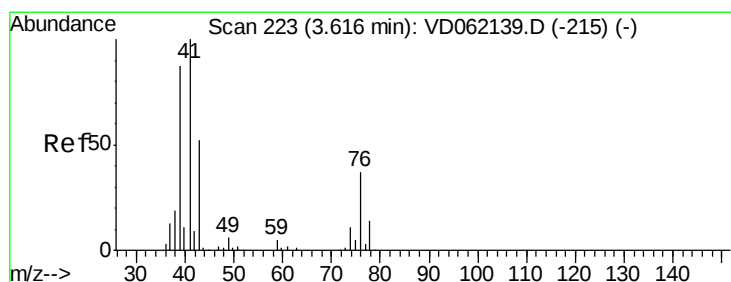
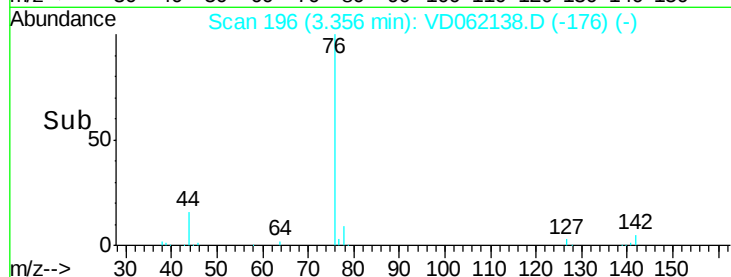
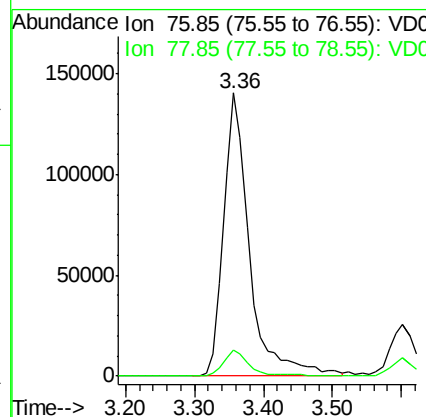
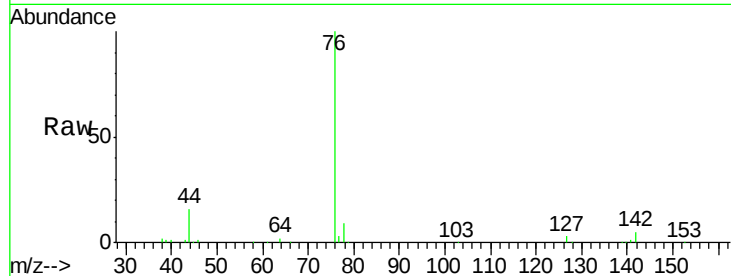
#17
Carbon Disulfide
Concen: 17.739 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

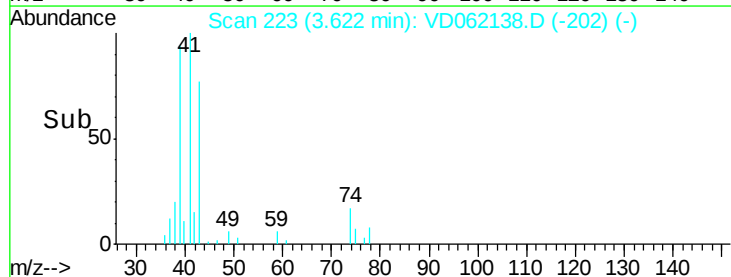
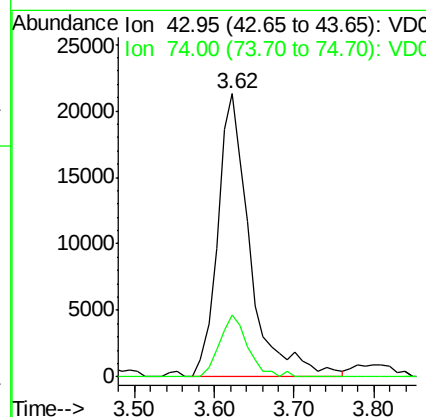
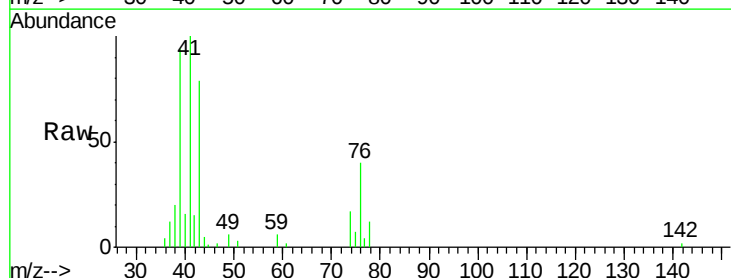
Manual Integrations
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5/9/2019 12:56:32 AM



#18
Methyl Acetate
Concen: 19.814 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.0	27.0





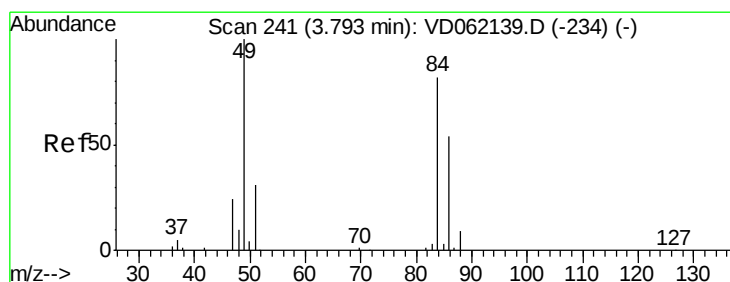
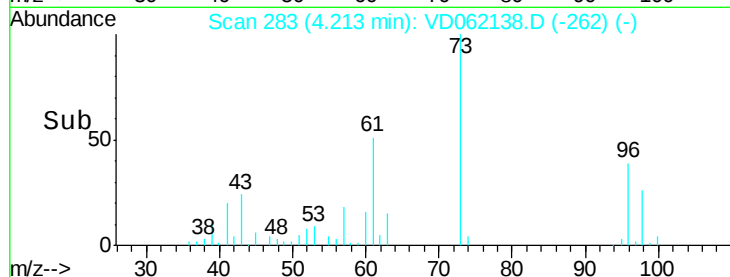
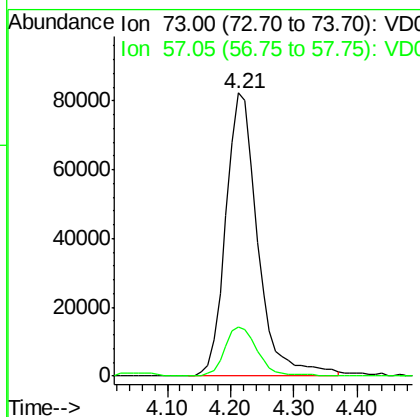
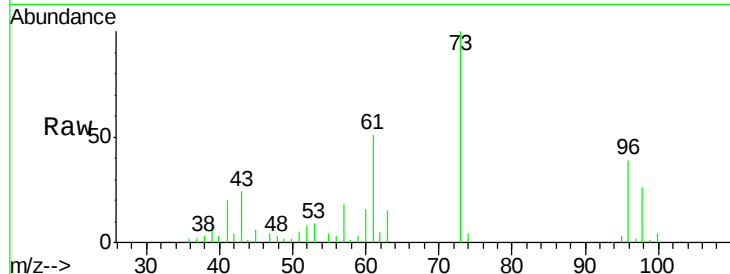
#19
Methvl tert-butvl Ether
Concen: 19.348 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 288643
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5

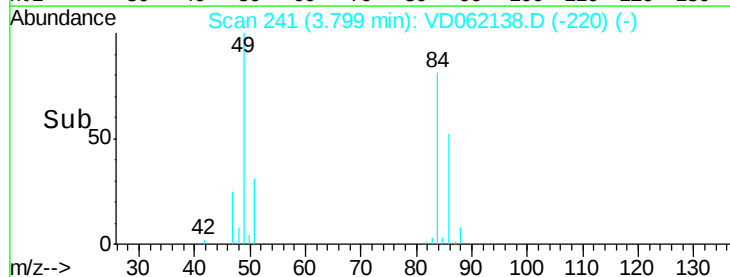
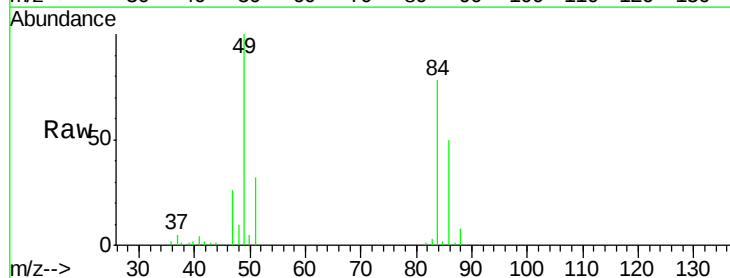
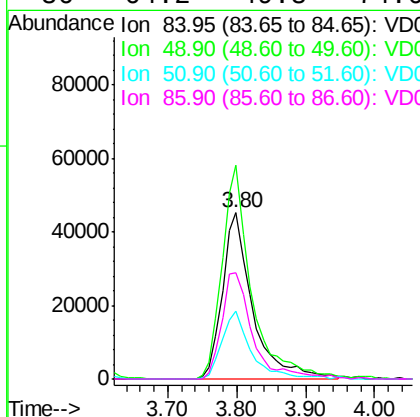
Manual Integrations
APPROVED

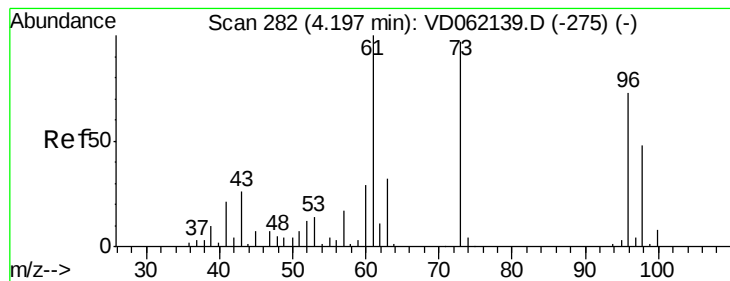
MMDadoda
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#20
Methylene Chloride
Concen: 19.180 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 84 Resp: 136964
Ion Ratio Lower Upper
84 100
49 128.7 94.0 141.0
51 41.0 29.0 43.4
86 64.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.280 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 96 Resp: 140705

Ion Ratio Lower Upper

96 100

61 133.4 104.4 156.6

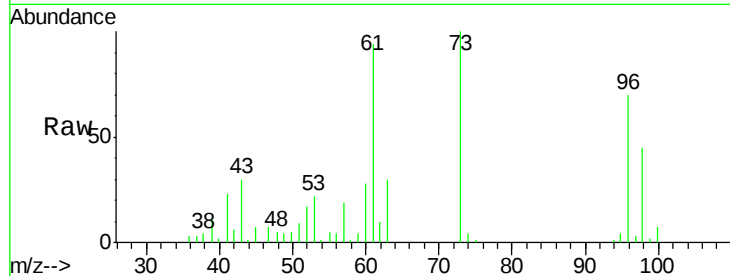
98 64.7 51.8 77.8

Manual Integrations

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MMDadoda

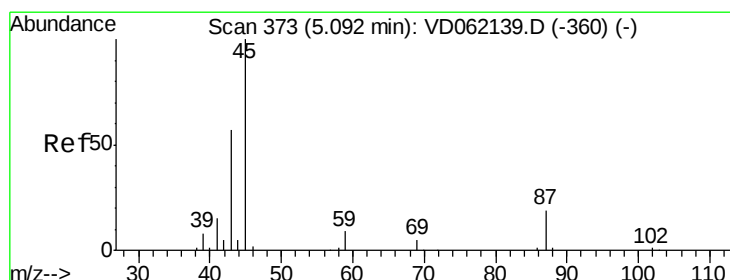
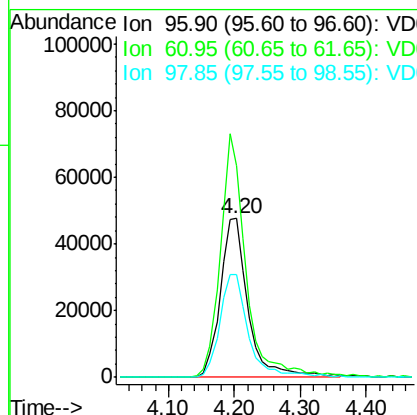
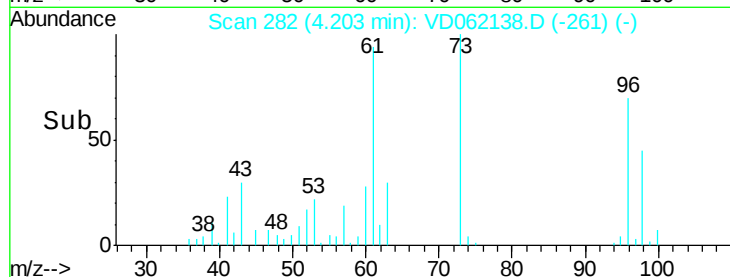
5/9/2019 12:56:32 AM



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: 18.327 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion: 45 Resp: 391528

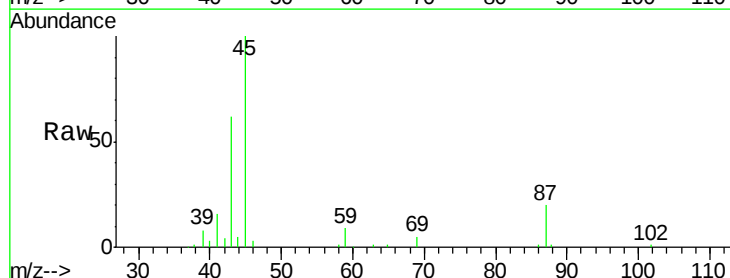
Ion Ratio Lower Upper

45 100

43 61.8 46.2 69.2

87 19.7 15.9 23.9

59 9.2 7.9 11.9

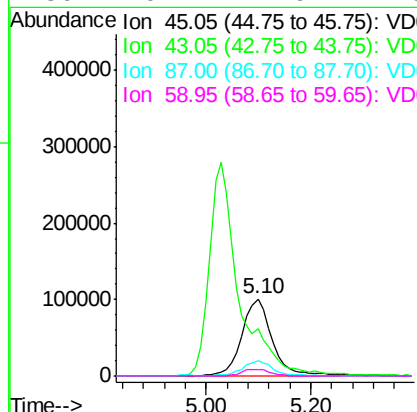
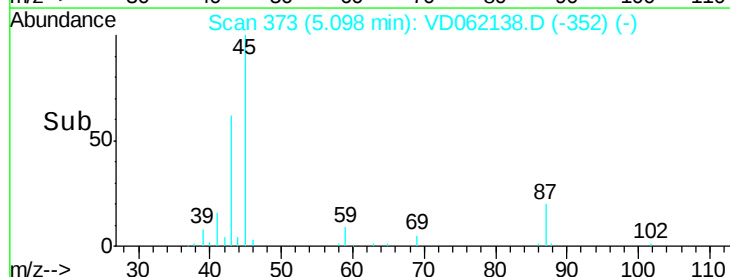


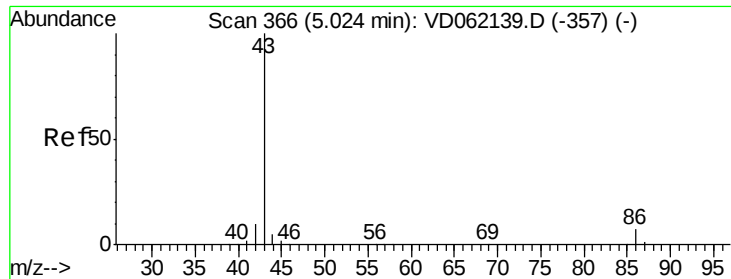
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 92.863 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1085149

Ion Ratio Lower Upper

43 100

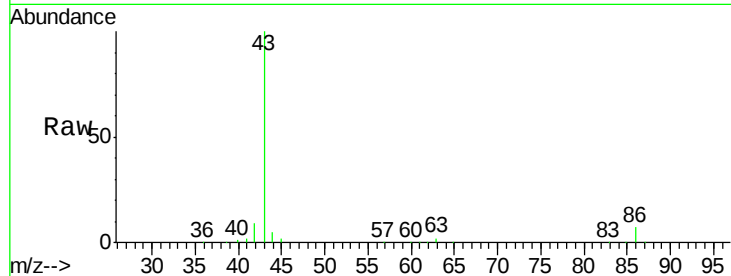
86 7.3 6.4 9.6

Manual Integrations

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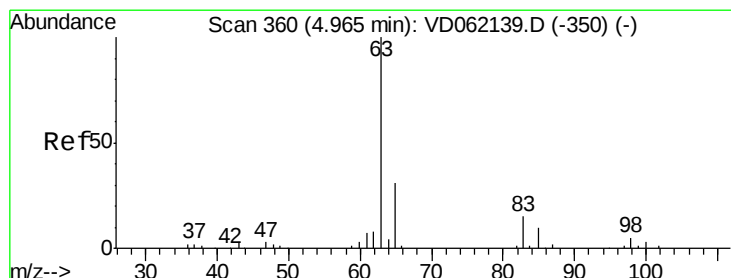
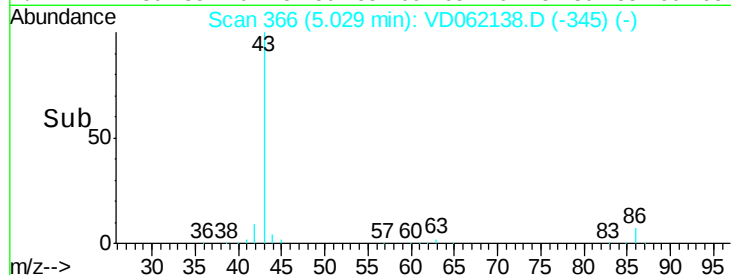
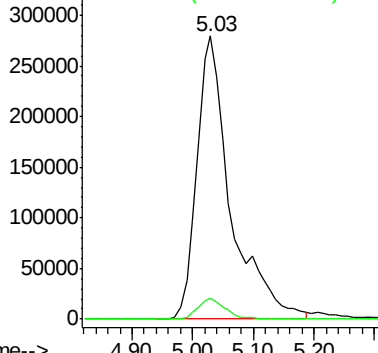
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.829 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

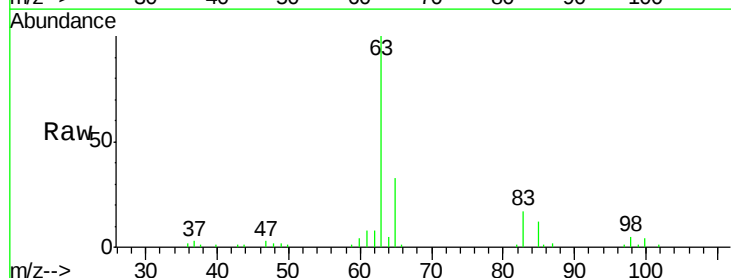
Tgt Ion: 63 Resp: 248809

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

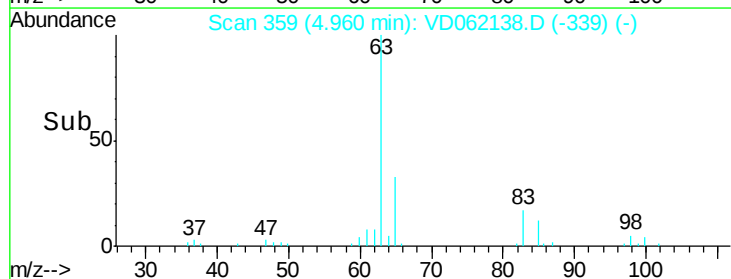
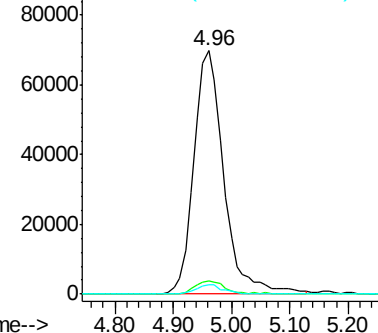
100 3.6 1.8 5.5

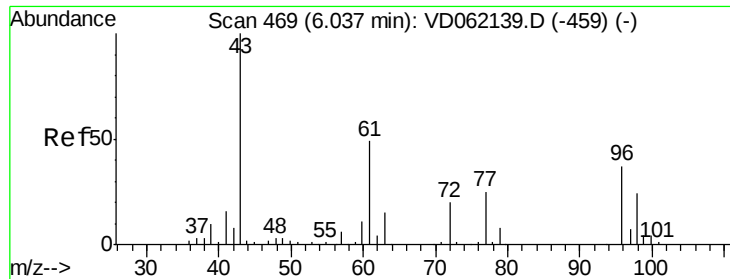


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.638 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 185747

Ion Ratio Lower Upper

43 100

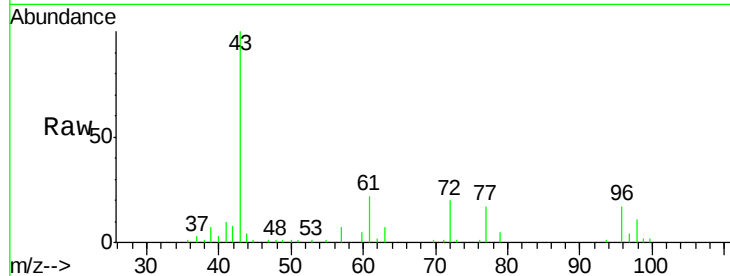
72 19.5 16.2 24.4

Manual Integrations

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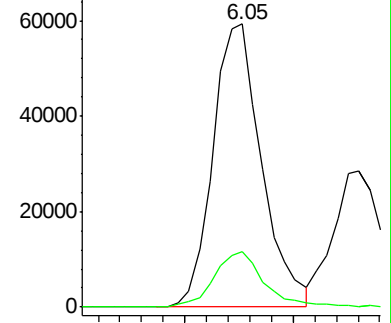
MMDadoda

5/9/2019 12:56:32 AM

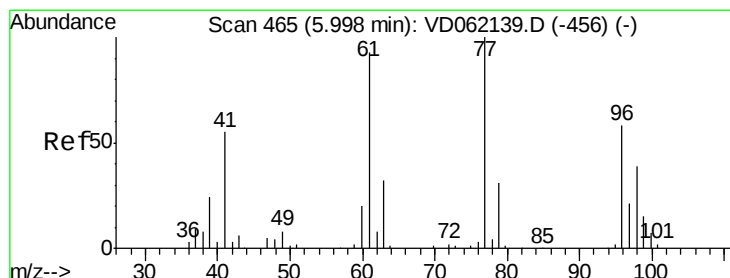
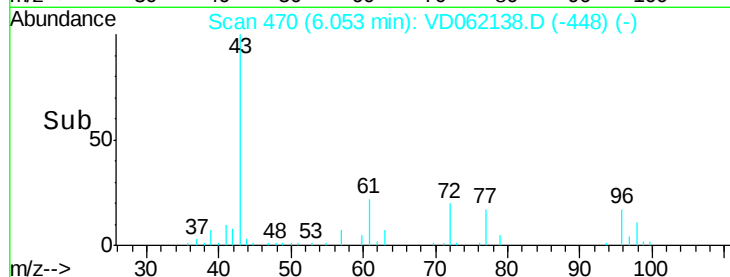


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.544 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD062138.D

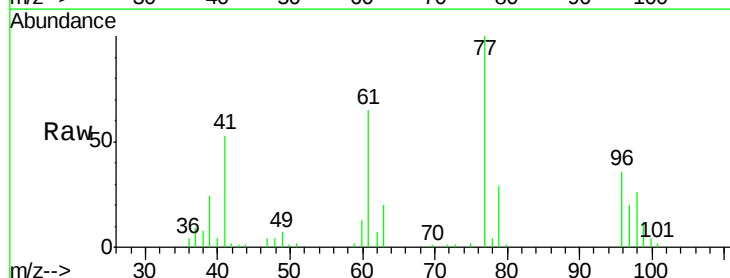
Acq: 7 May 2019 12:35

Tgt Ion: 77 Resp: 242899

Ion Ratio Lower Upper

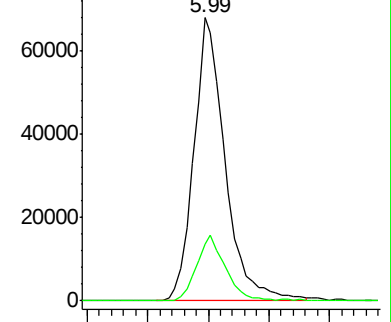
77 100

97 20.0 11.9 35.9

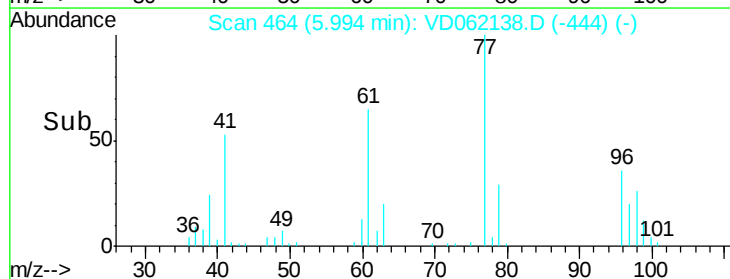


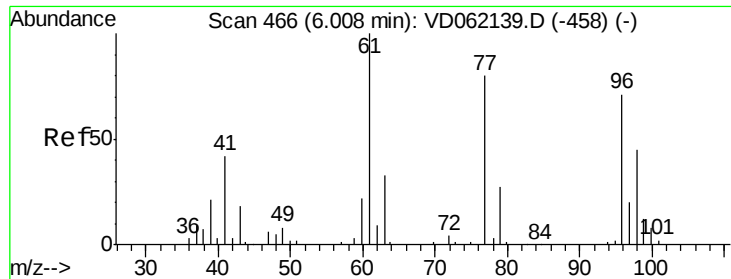
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

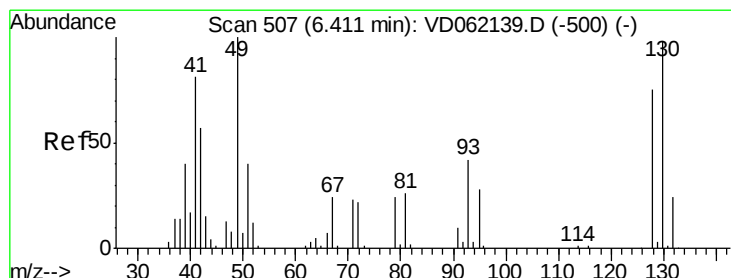
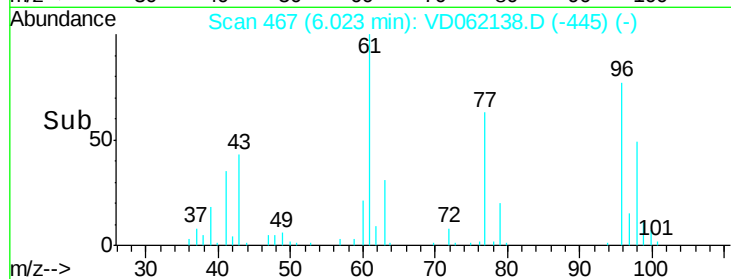
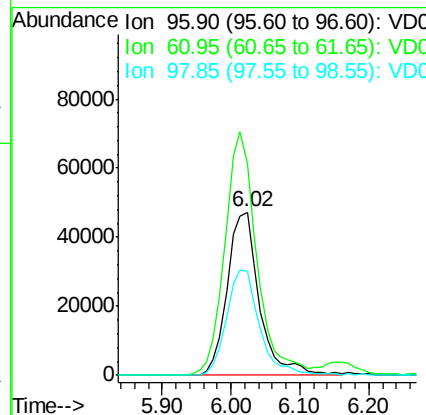
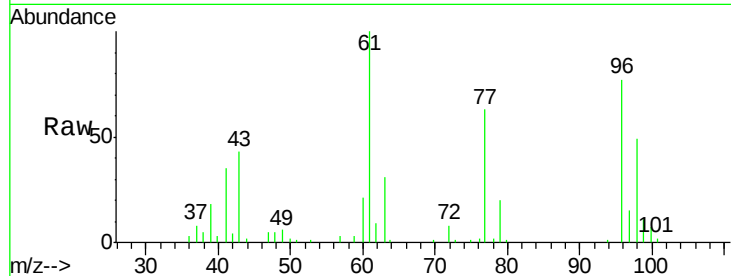
cis-1,2-Dichloroethene
Concen: 18.303 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	153688		
61	129.4	0.0	279.8	
98	63.9	0.0	136.0	

Manual Integrations
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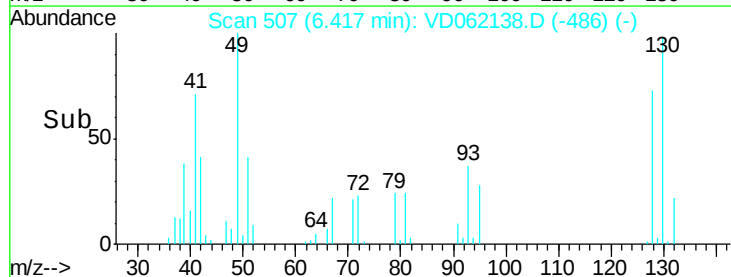
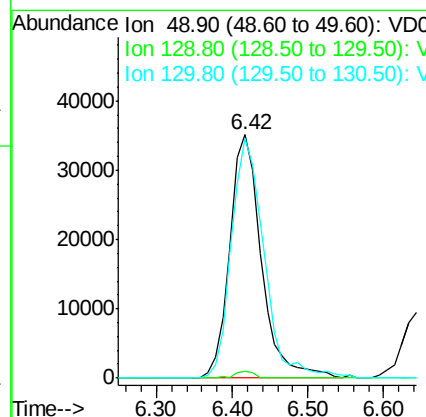
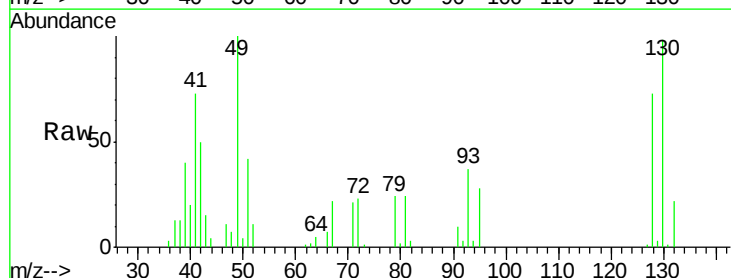
MMDadoda
5/9/2019 12:56:32 AM

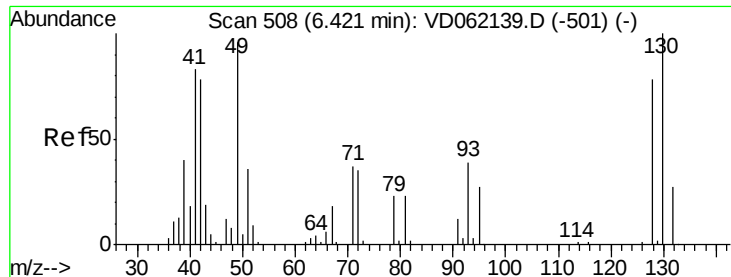


#28

Bromochloromethane
Concen: 20.318 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101433		
129	2.7	0.0	6.6	
130	98.2	86.7	130.1	





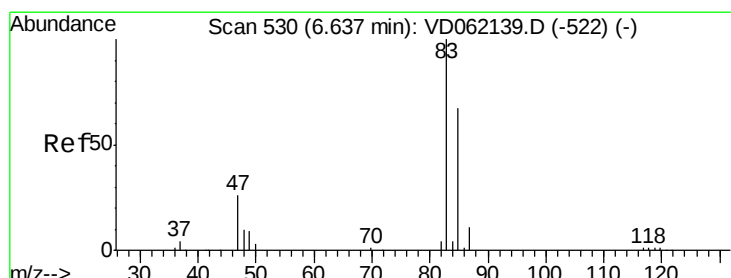
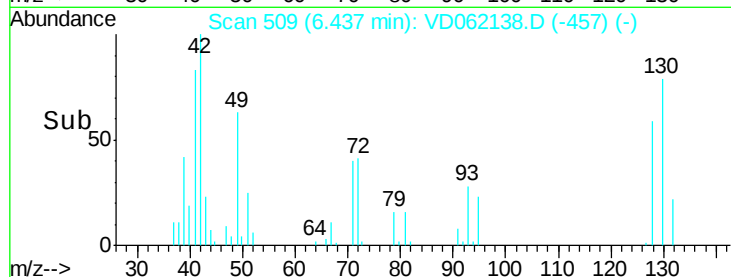
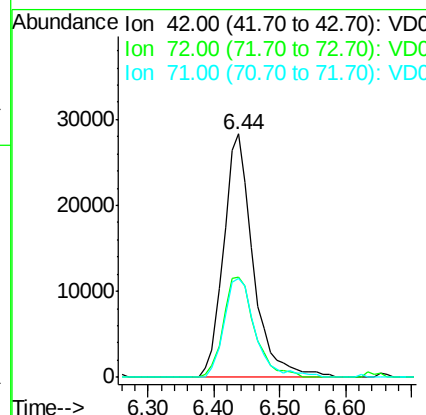
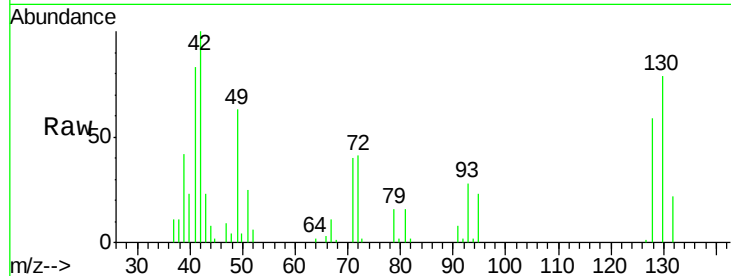
#29
Tetrahydrofuran
Concen: 107.557 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.8	56.6
71	42.6	36.7	55.1

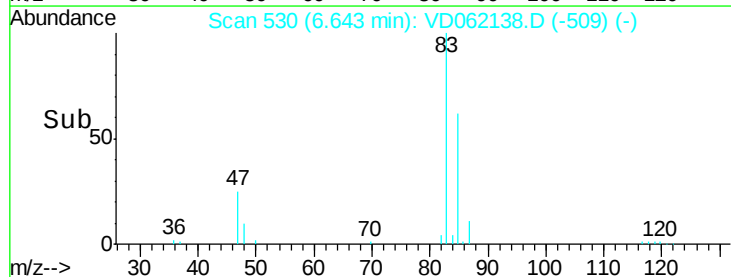
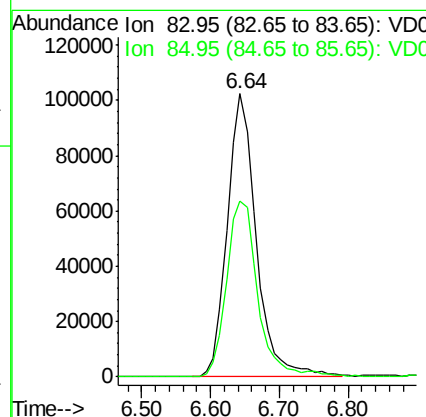
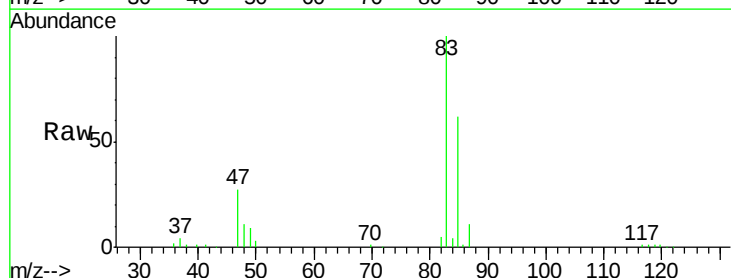
Manual Integrations
APPROVED

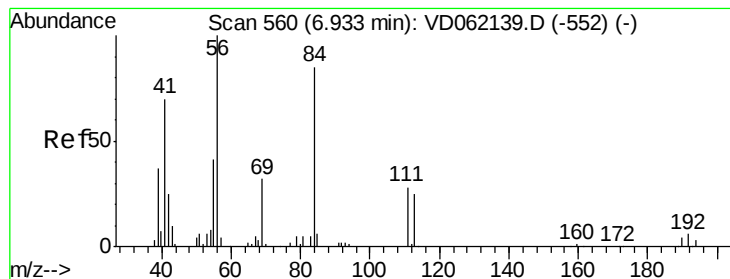
MMDadoda
5/9/2019 12:56:32 AM



#30
Chloroform
Concen: 19.263 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.7	77.5





#31

Cyclohexane

Concen: 18.596 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

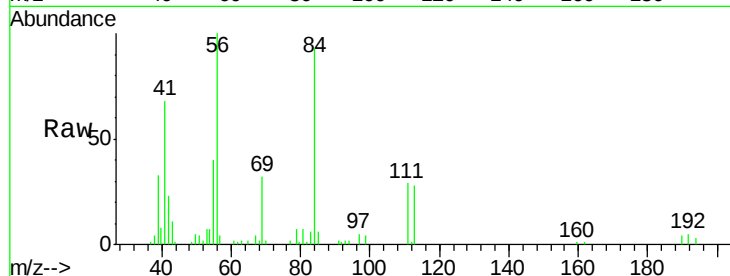
ClientSampleId :

VSTDIC020

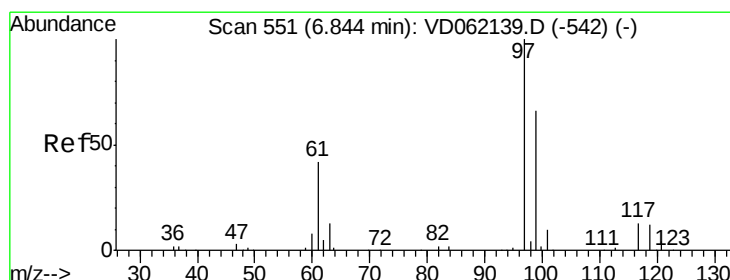
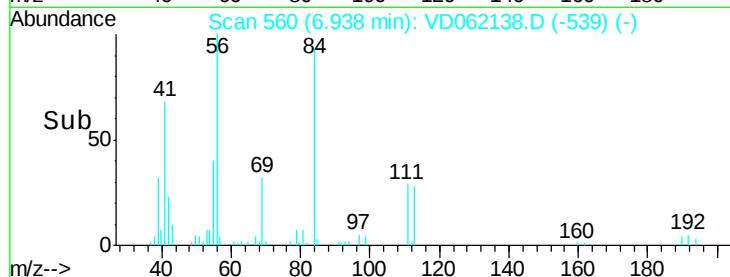
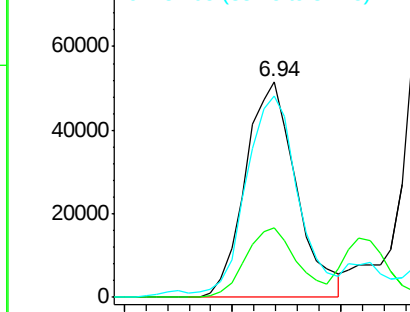
Tot Ion:	56	Resp:	168553
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.6
84	93.0	72.2	108.4

Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.710 ug/l

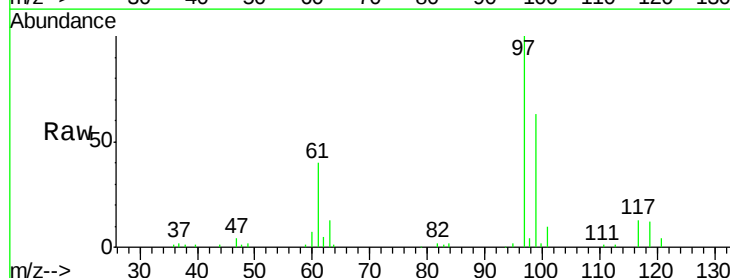
RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

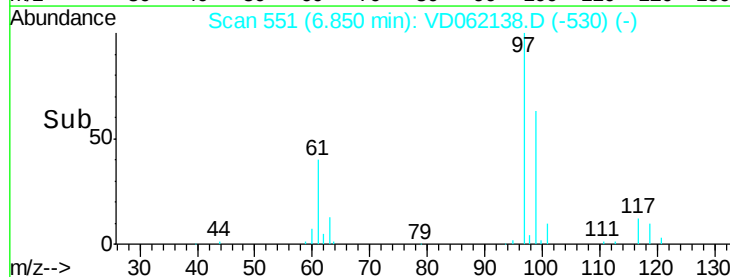
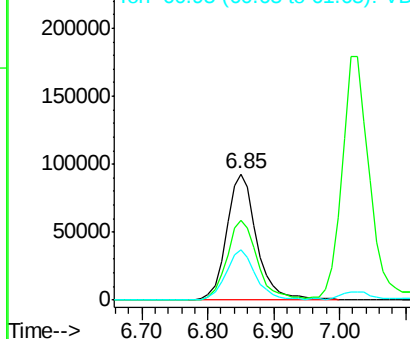
Lab File: VD062138.D

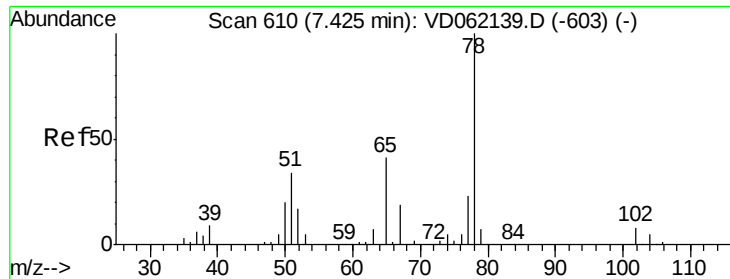
Acq: 7 May 2019 12:35

Tgt Ion:	97	Resp:	295743
Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.2	78.2
61	39.8	32.4	48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





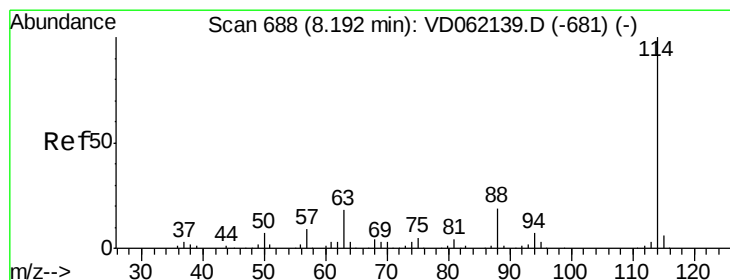
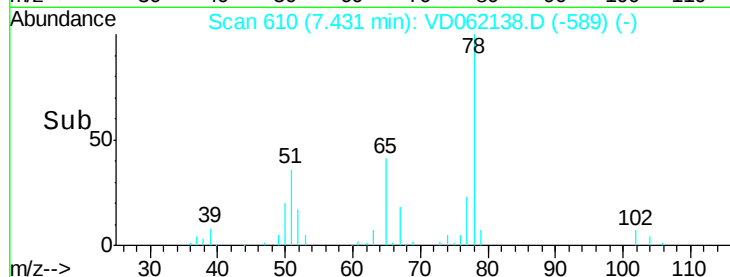
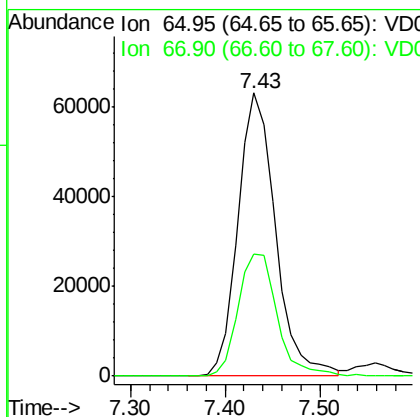
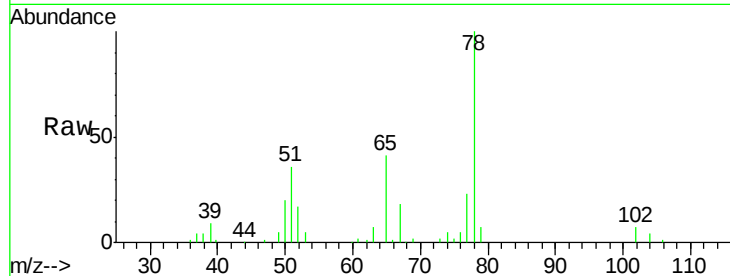
#33
 1,2-Dichloroethane-d4
 Concen: 20.183 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173539		
67	43.1	0.0	98.0	

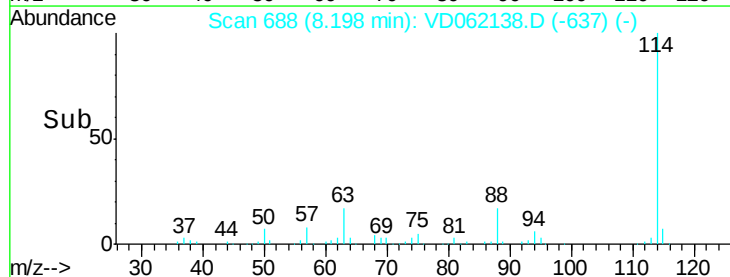
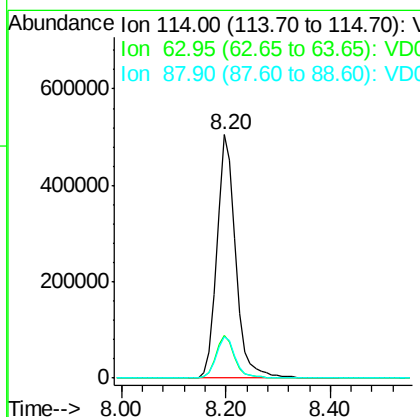
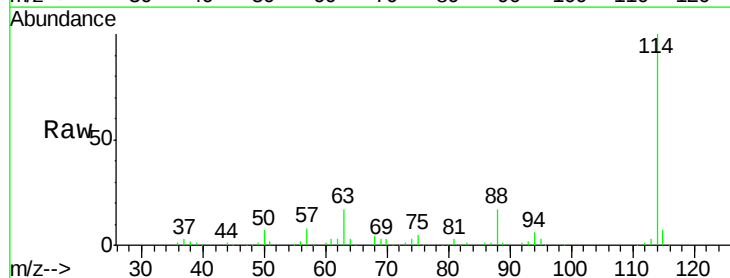
Manual Integrations
 APPROVED

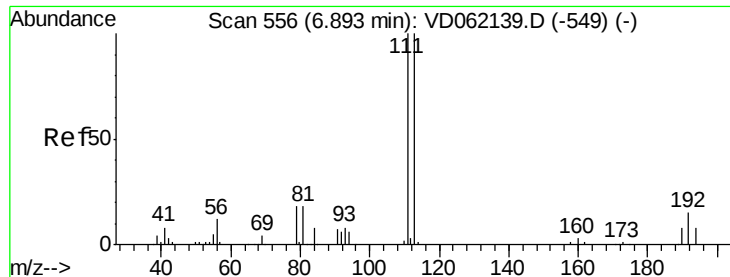
MMDadoda
 5/9/2019 12:56:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1260253		
63	17.4	0.0	32.4	
88	17.1	0.0	33.6	





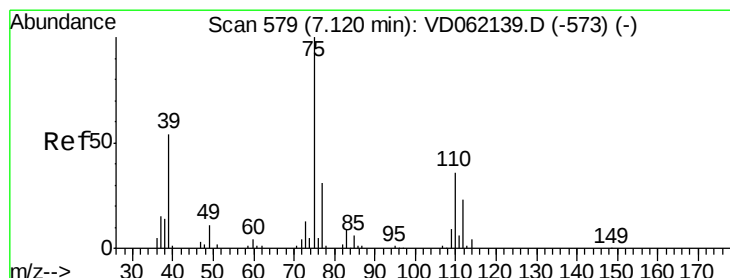
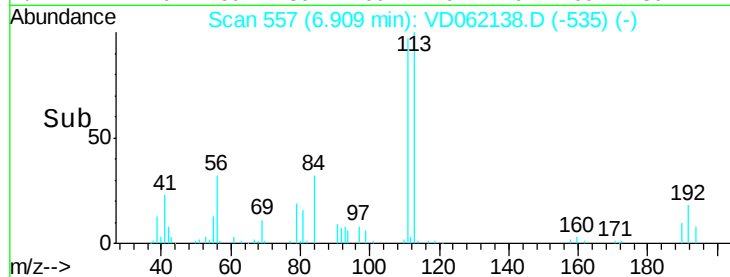
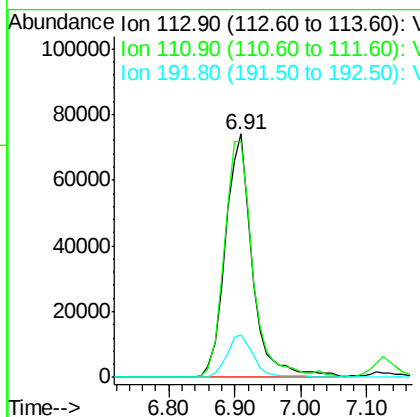
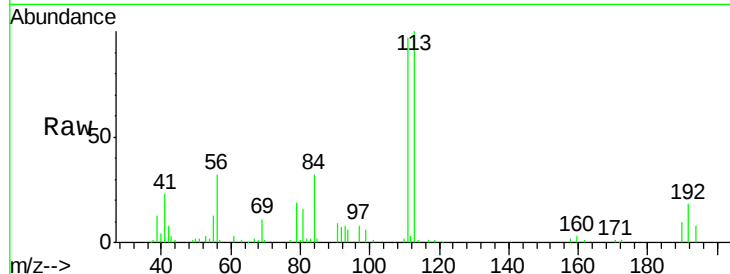
#35
 Dibromofluoromethane
 Concen: 18.641 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212492		
111	96.9	78.5	117.7	
192	17.5	13.0	19.4	

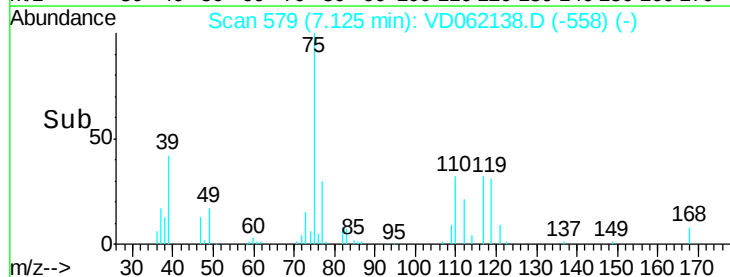
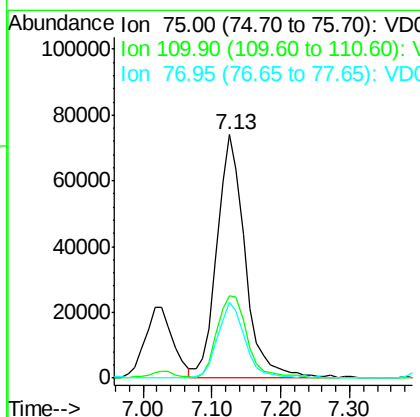
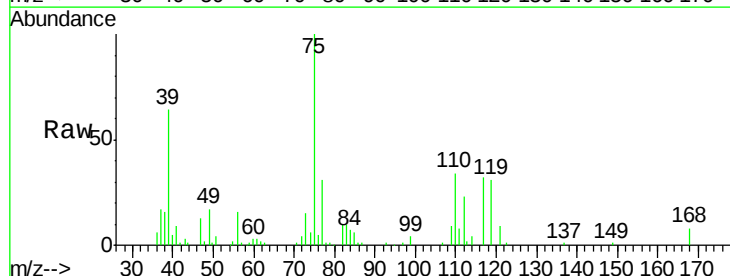
Manual Integrations
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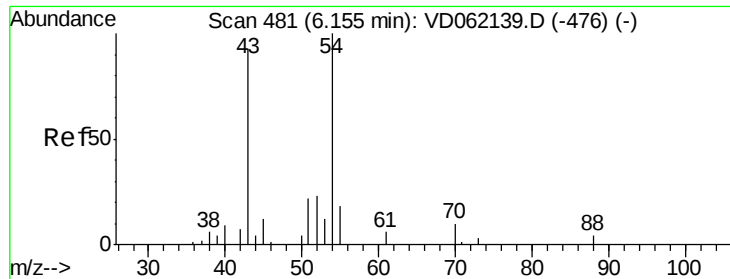
MMDadoda
 5/9/2019 12:56:32 AM



#36
 1,1-Dichloropropene
 Concen: 20.007 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210194		
110	33.9	19.1	57.1	
77	31.1	25.6	38.4	





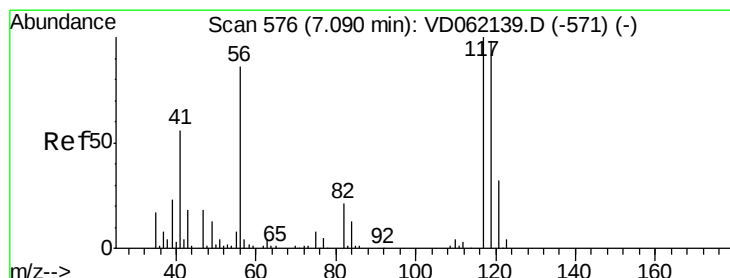
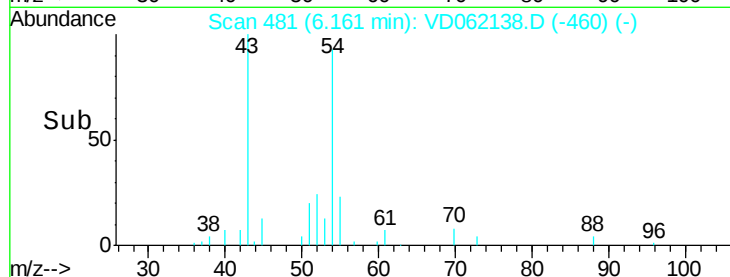
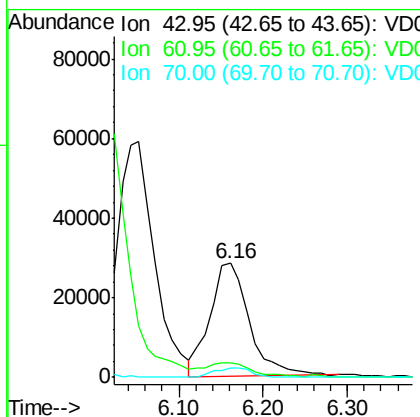
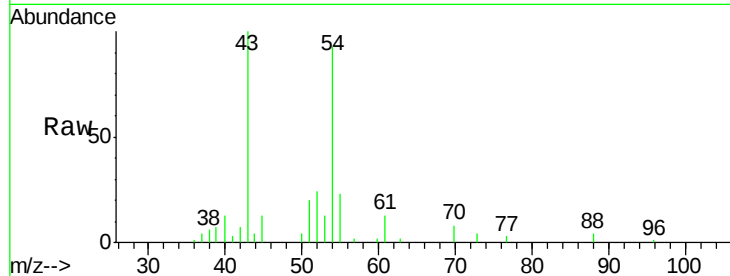
#37
Ethyl Acetate
Concen: 20.083 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	14.7	22.1#
70	7.8	7.8	11.6#

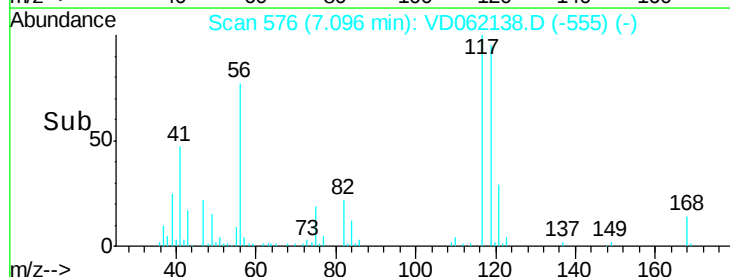
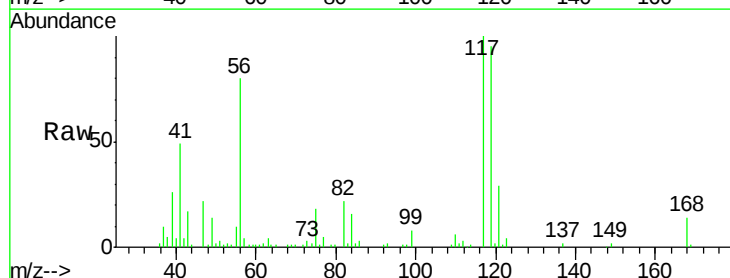
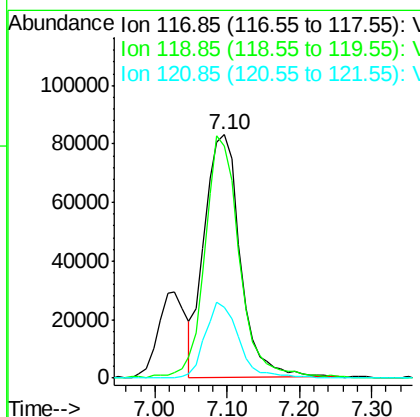
Manual Integrations
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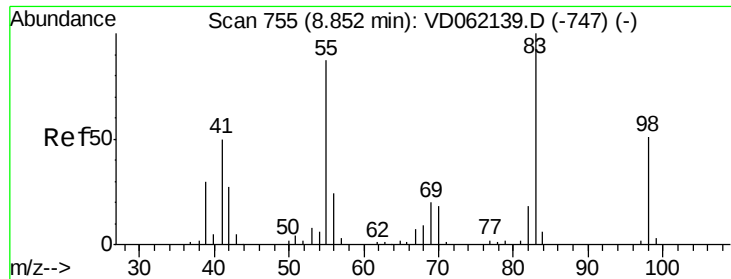
MMDadoda
5/9/2019 12:56:32 AM



#38
Carbon Tetrachloride
Concen: 19.023 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.8	113.8
121	29.1	25.9	38.9





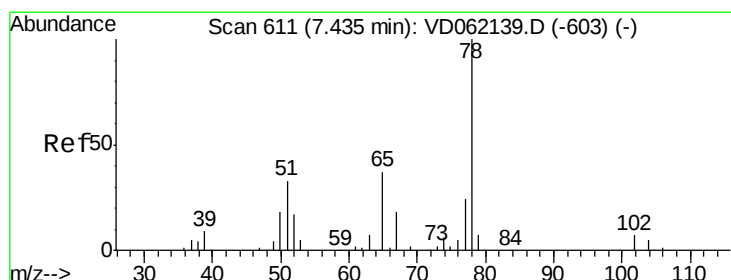
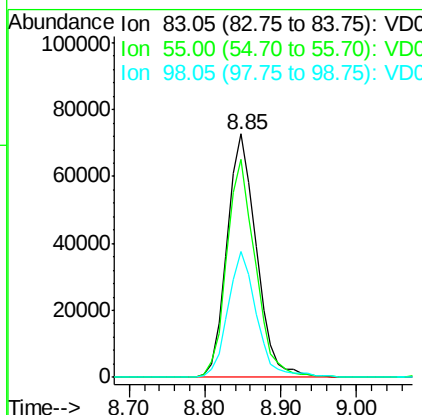
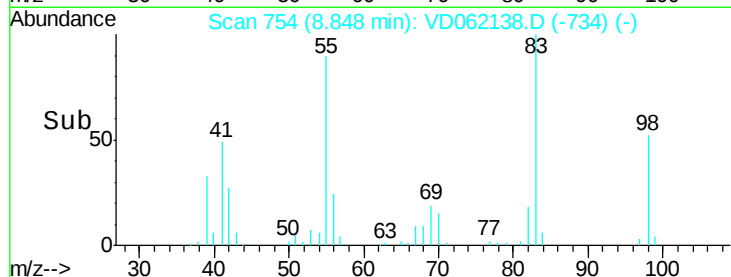
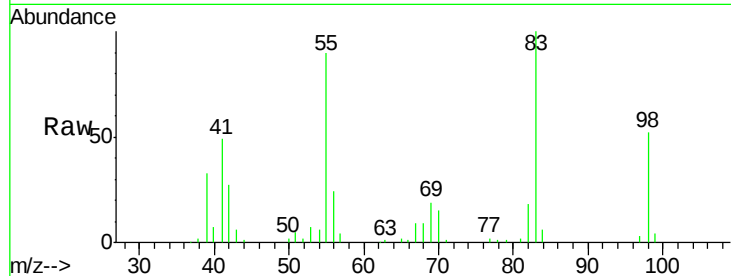
#39
Methvlcvclohexane
Concen: 18.446 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194811		
55	89.8	68.2	102.4	
98	51.8	38.2	57.4	

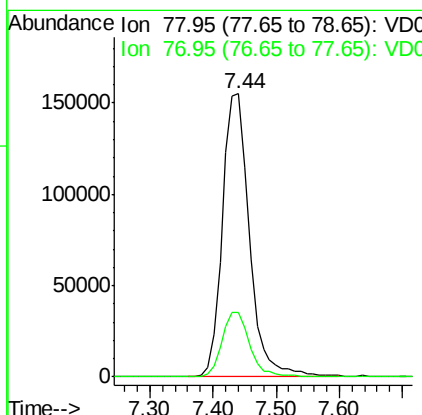
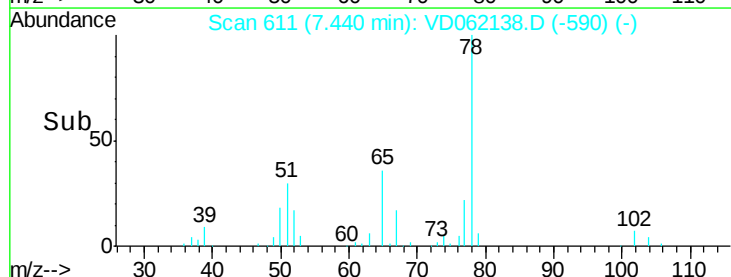
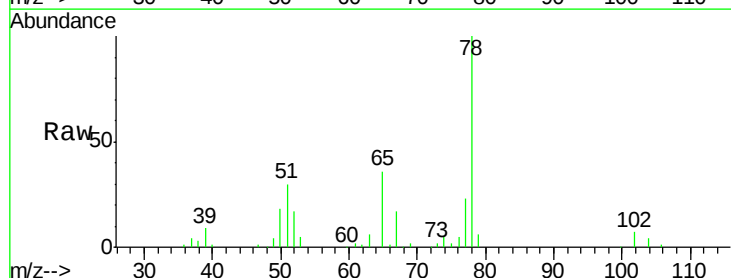
Manual Integrations
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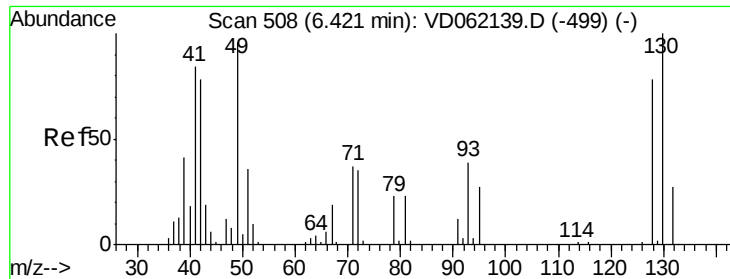
MMDadoda
5/9/2019 12:56:32 AM



#40
Benzene
Concen: 19.391 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	461987		
77	23.0	19.7	29.5	





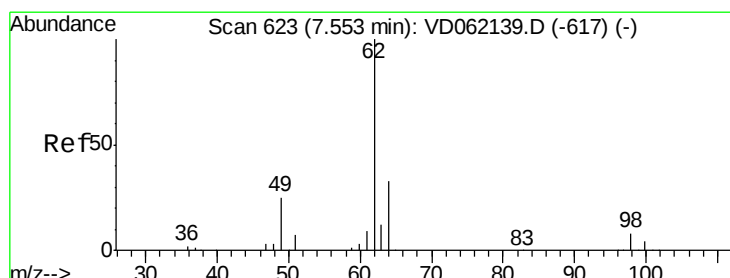
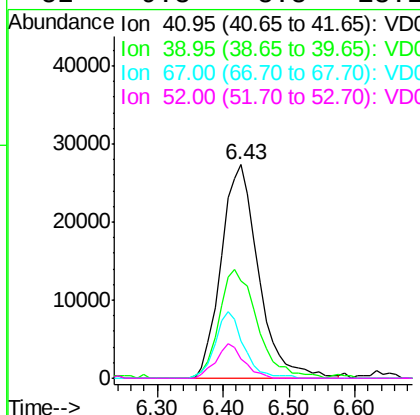
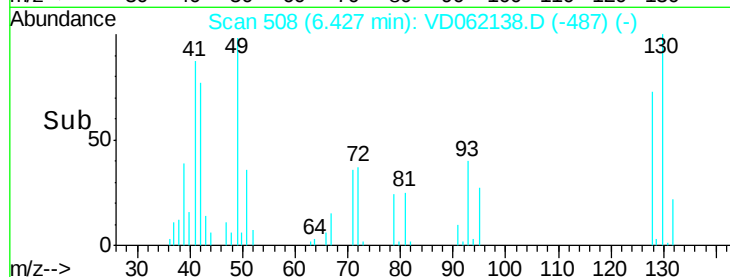
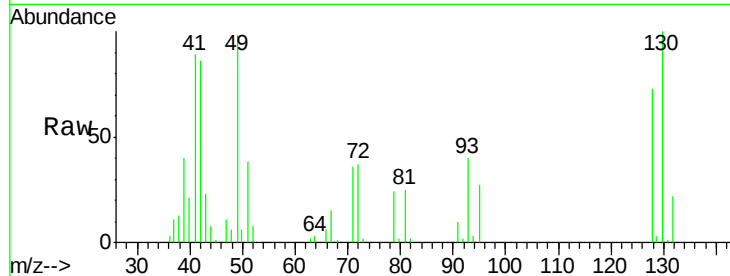
#41
Methacrylonitrile
Concen: 20.254 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	45.5	34.1	51.1		
67	17.2	23.8	35.6		
52	9.3	8.8	13.2		

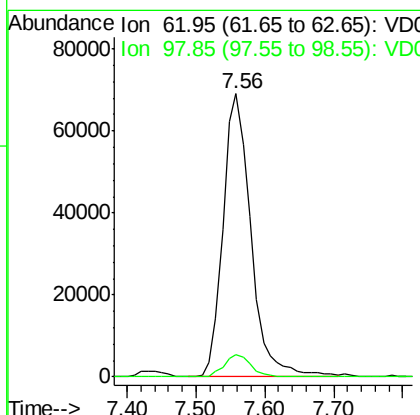
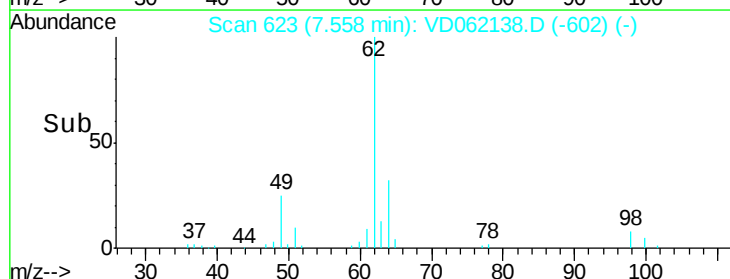
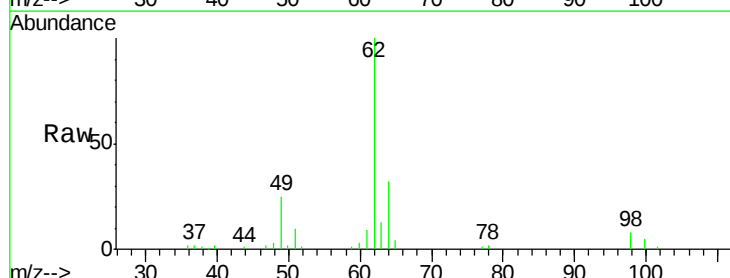
Manual Integrations
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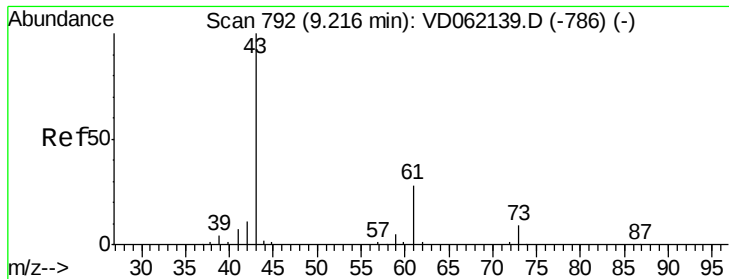
MMDadoda
5/9/2019 12:56:32 AM



#42
1,2-Dichloroethane
Concen: 19.110 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.9	0.0	17.8		





#43

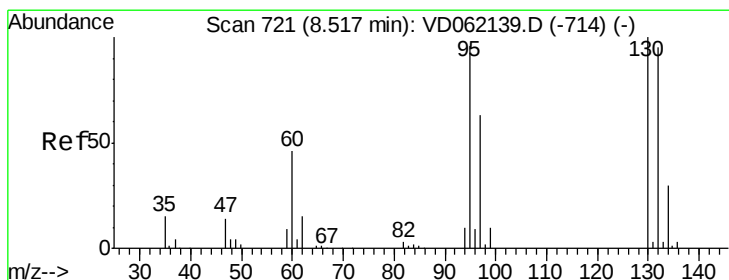
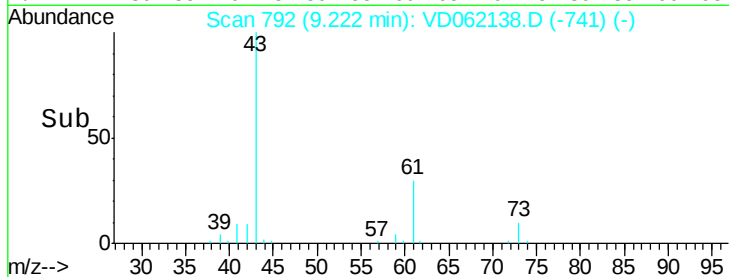
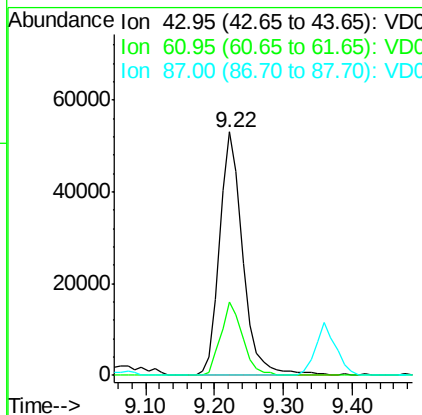
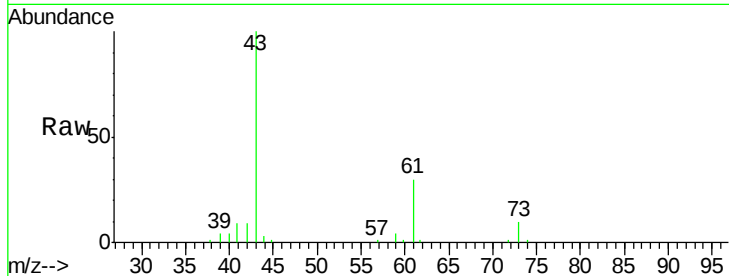
Isopropyl Acetate
 Concen: 19.528 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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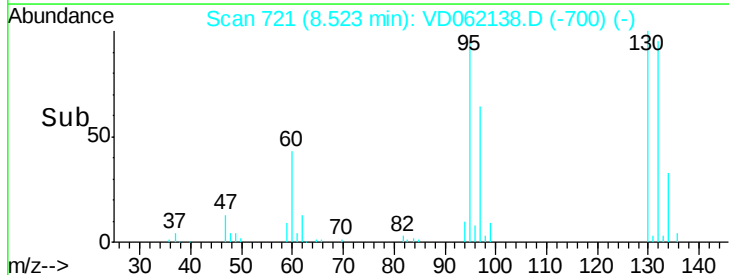
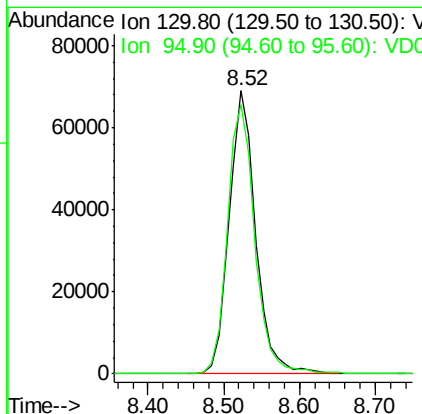
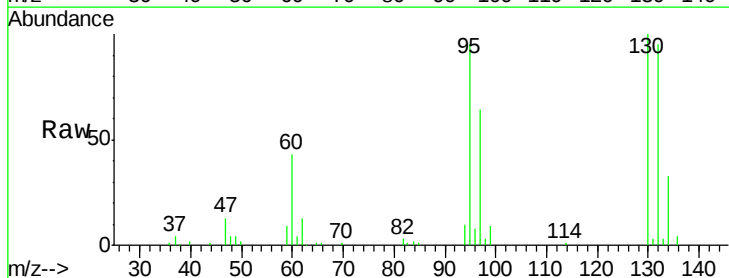
MMDadoda
 5/9/2019 12:56:32 AM



#44

Trichloroethene
 Concen: 17.727 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	174.0





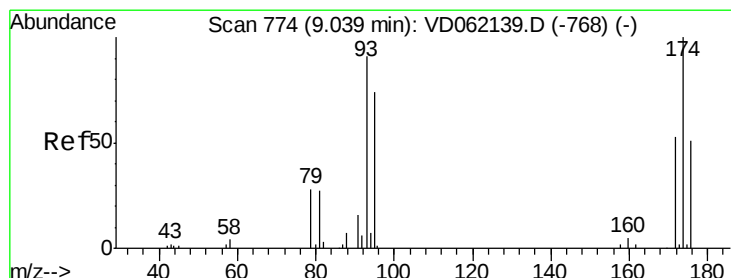
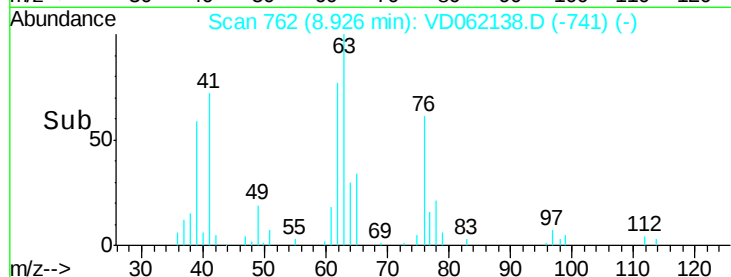
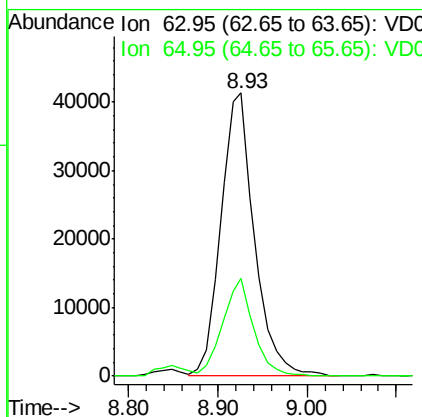
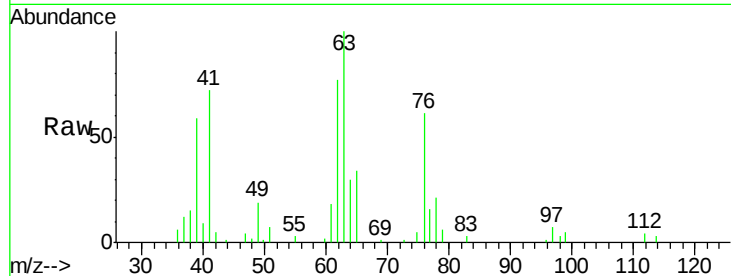
#45
 1,2-Dichloropropane
 Concen: 18.419 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 108634
 Ion Ratio Lower Upper
 63 100
 65 34.5 23.8 35.6

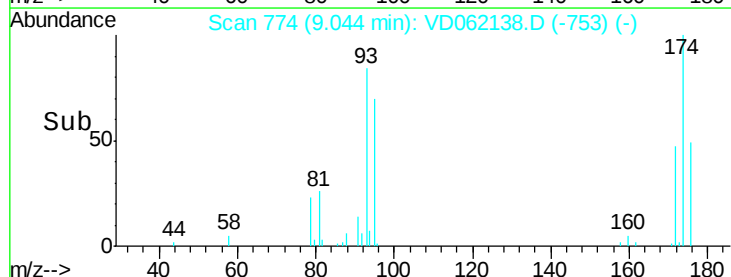
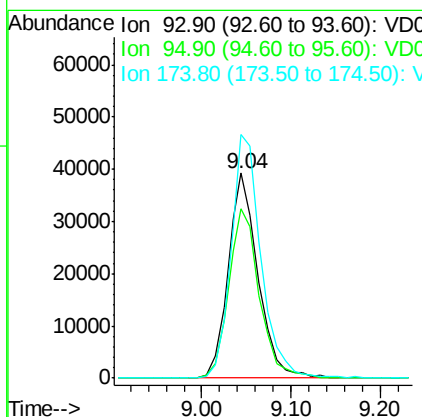
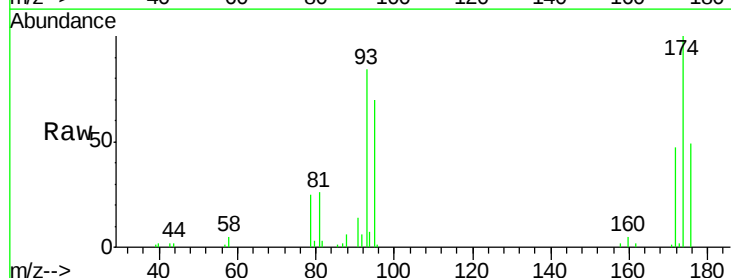
Manual Integrations
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MMDadoda
 5/9/2019 12:56:32 AM



#46
 Dibromomethane
 Concen: 18.933 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 93 Resp: 91631
 Ion Ratio Lower Upper
 93 100
 95 82.5 64.8 97.2
 174 118.7 79.3 118.9





#47

Bromodichloromethane

Concen: 19.256 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

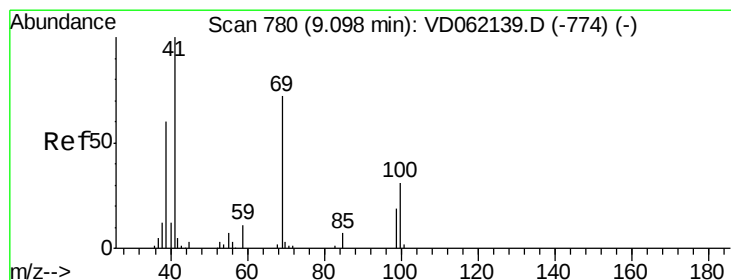
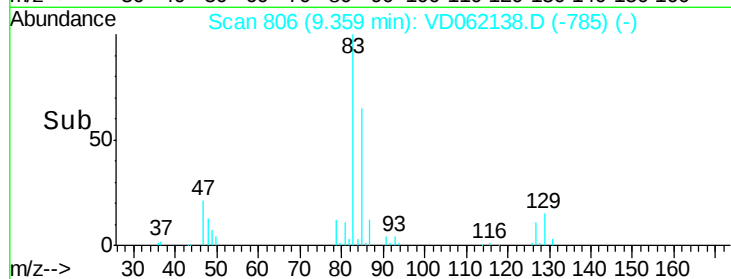
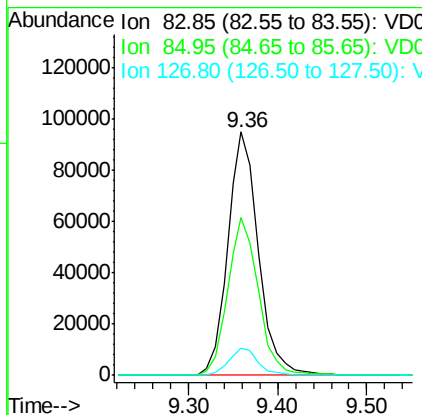
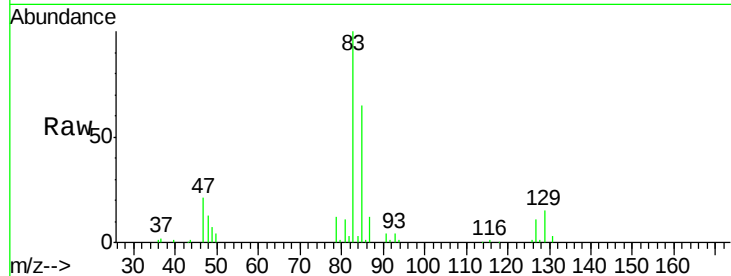
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	227535
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3
127	11.0	8.1	12.1

Manual Integrations
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5/9/2019 12:56:32 AM



#48

Methyl methacrylate

Concen: 20.464 ug/l

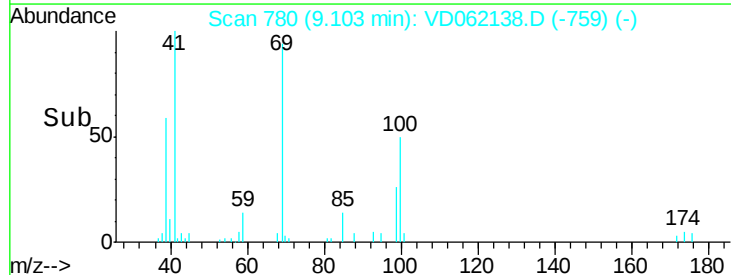
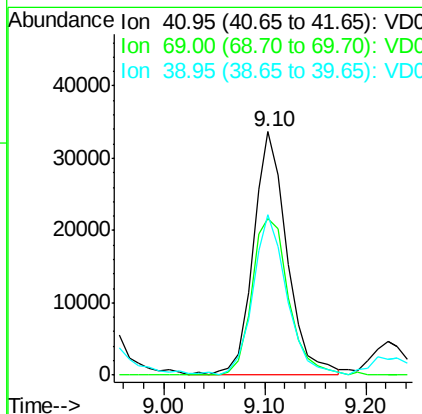
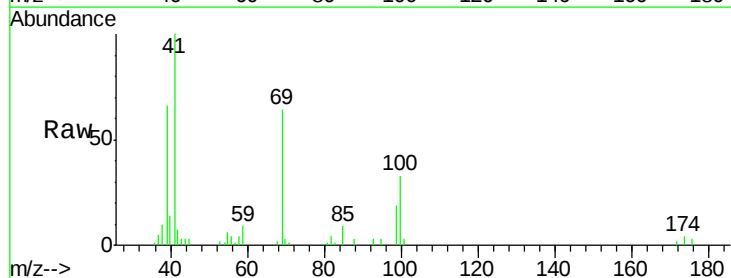
RT: 9.10 min Scan# 780

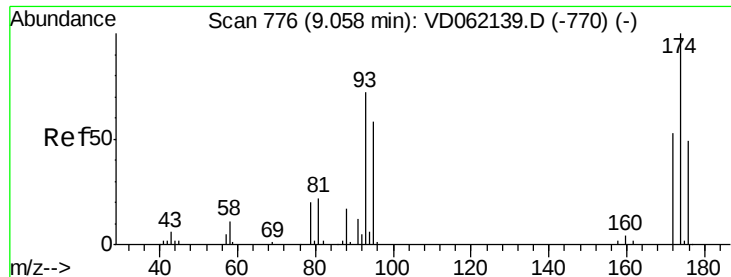
Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion:	41	Resp:	78142
Ion	Ratio	Lower	Upper
41	100		
69	64.2	64.2	96.2
39	65.8	46.8	70.2





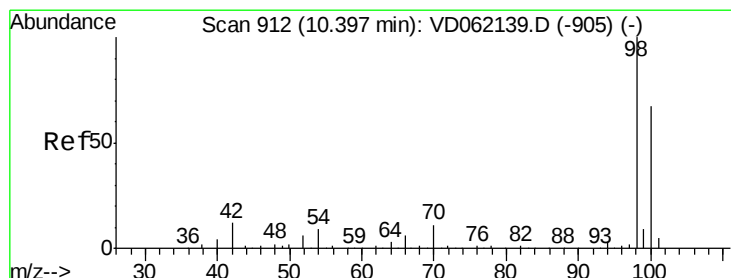
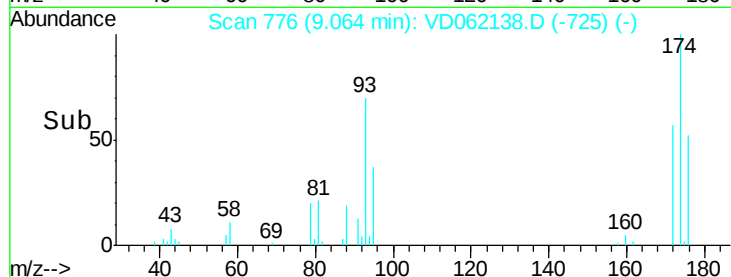
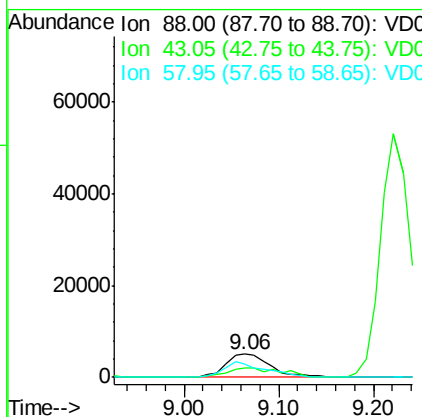
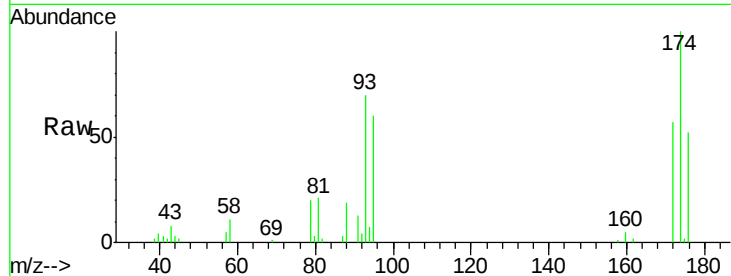
#49
1,4-Dioxane
Concen: 395.679 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.1	23.4	35.0#
58	55.0	44.0	66.0

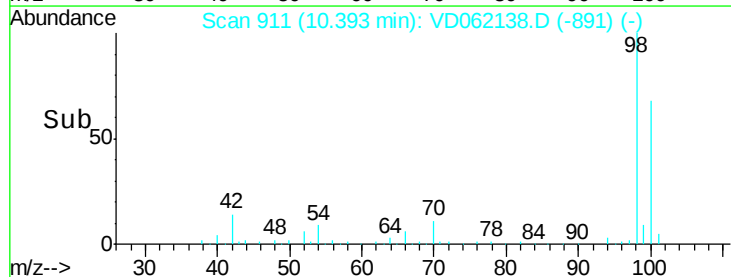
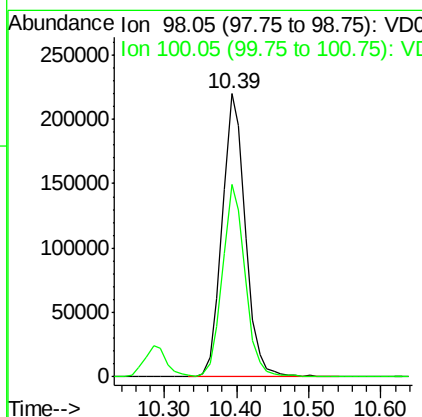
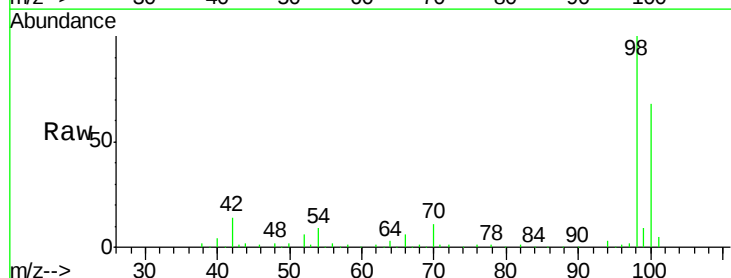
Manual Integrations
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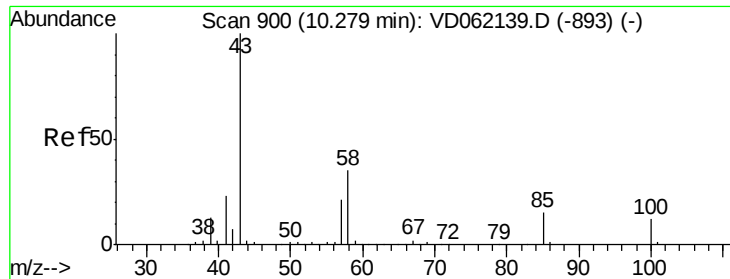
MMDadoda
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#50
Toluene-d8
Concen: 17.509 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 105.798 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 417795

Ion Ratio Lower Upper

43 100

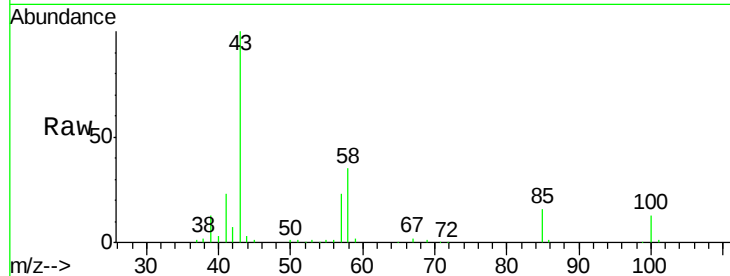
58 34.8 30.4 45.6

Manual Integrations

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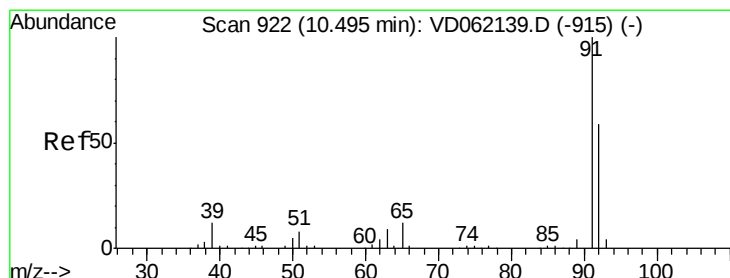
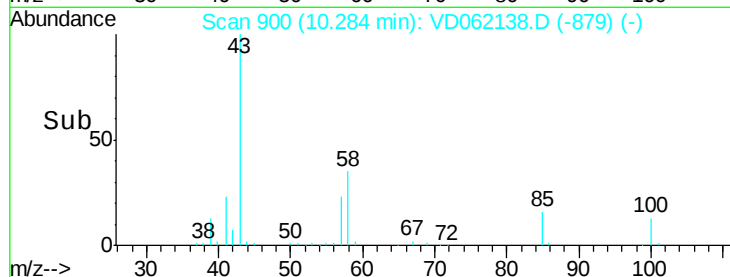
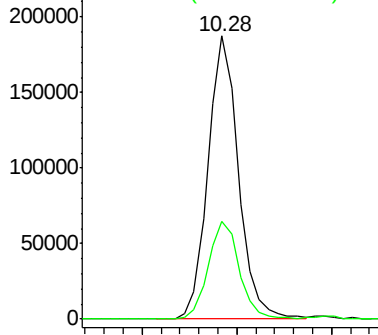
MMDadoda

5/9/2019 12:56:32 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.863 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD062138.D

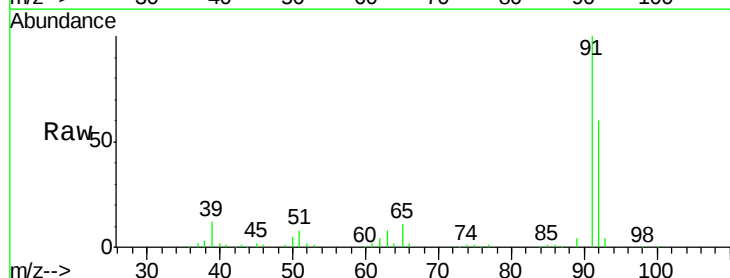
Acq: 7 May 2019 12:35

Tgt Ion: 92 Resp: 295770

Ion Ratio Lower Upper

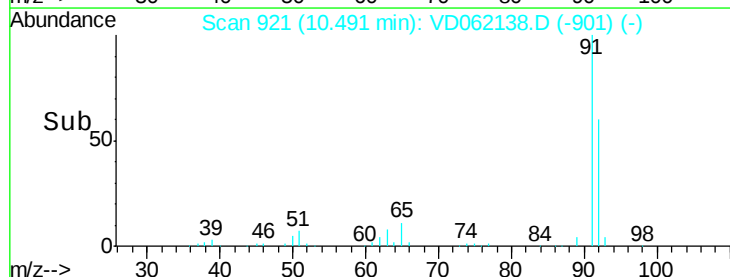
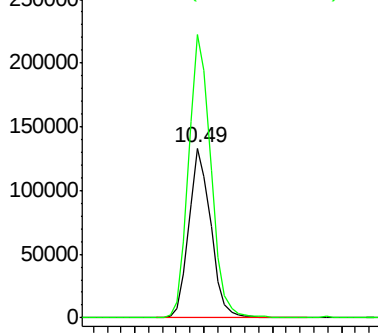
92 100

91 166.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





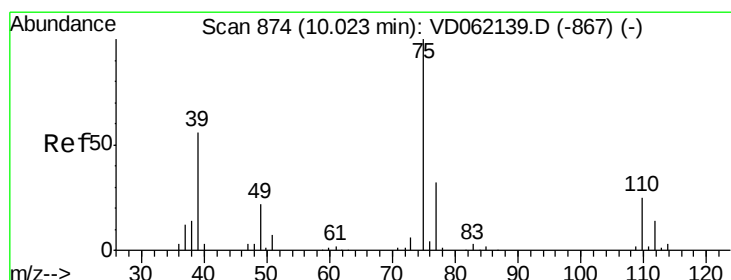
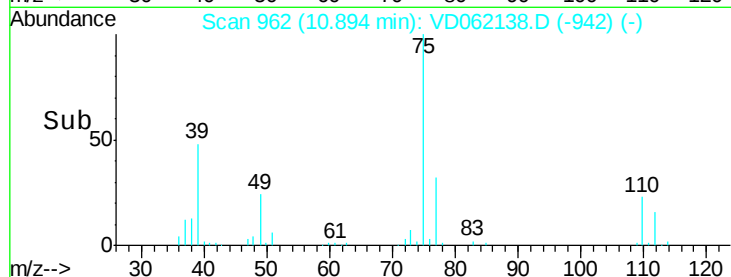
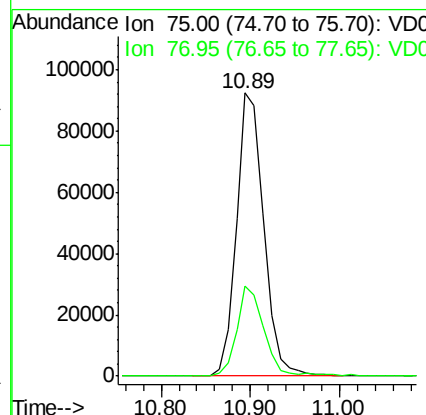
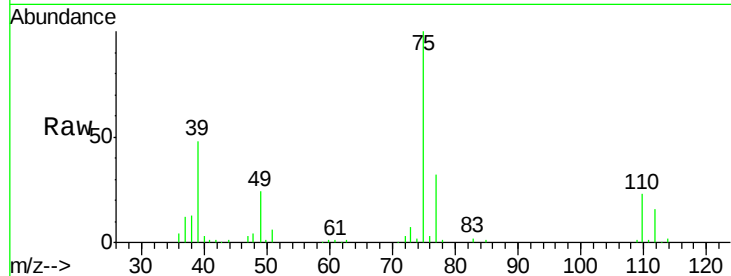
#53
 t-1,3-Dichloropropene
 Concen: 19.152 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion: 75 Resp: 198335
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8

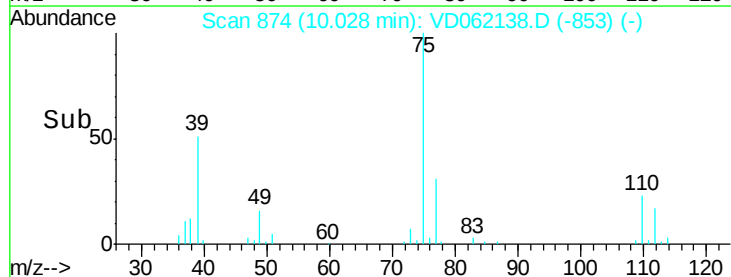
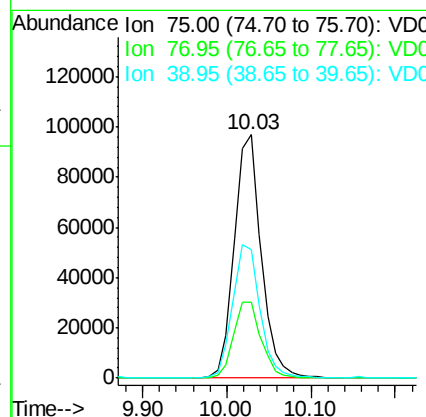
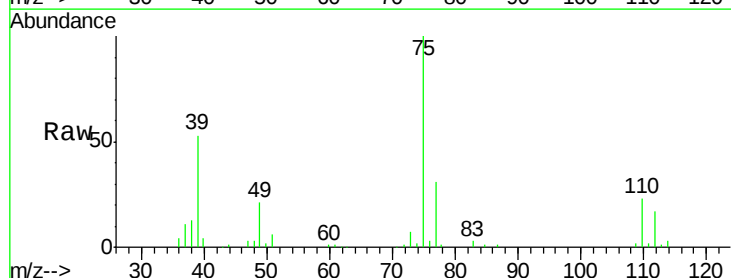
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#54
 cis-1,3-Dichloropropene
 Concen: 18.609 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 75 Resp: 216237
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 52.6 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 17.593 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 101226

Ion Ratio Lower Upper

97 100

83 81.8 65.7 98.5

85 55.7 45.6 68.4

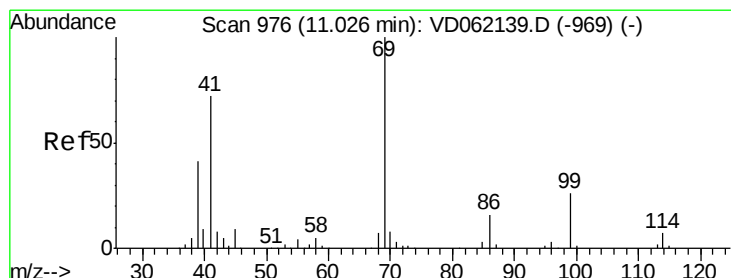
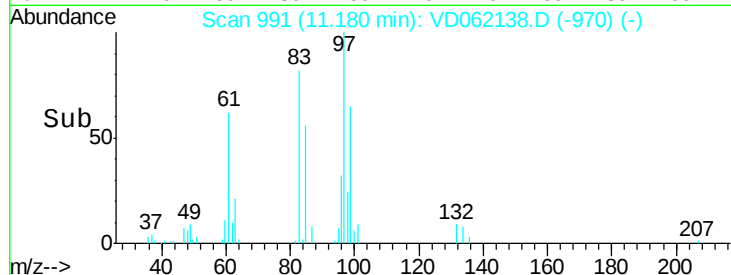
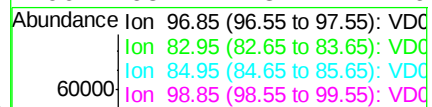
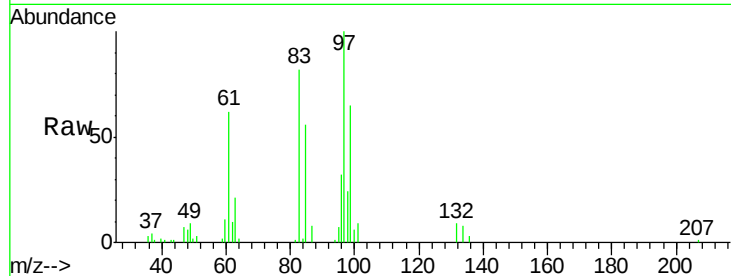
99 65.2 48.4 72.6

Manual Integrations

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#56

Ethyl methacrylate

Concen: 17.783 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

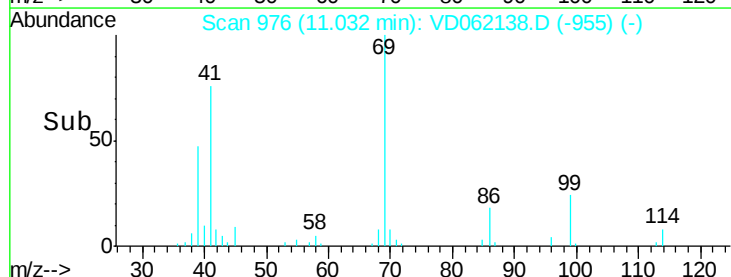
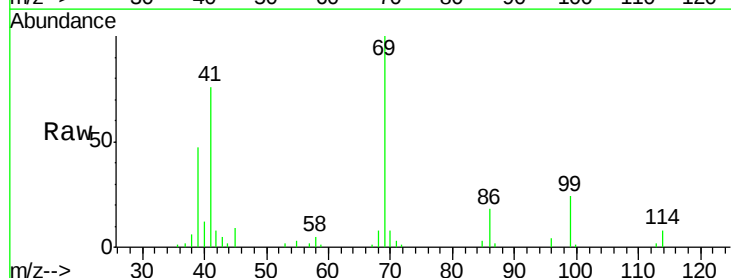
Tgt Ion: 69 Resp: 106599

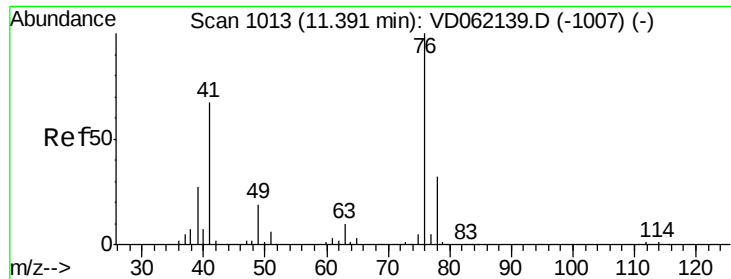
Ion Ratio Lower Upper

69 100

41 76.2 56.3 84.5

39 46.6 29.4 44.2#





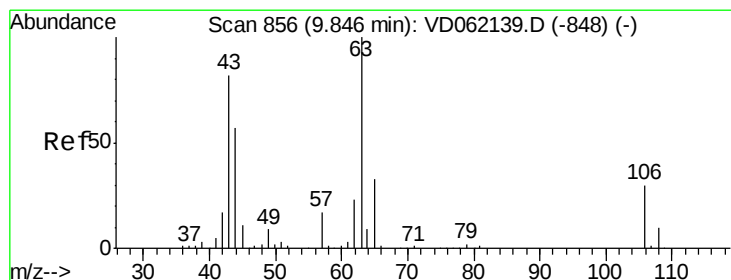
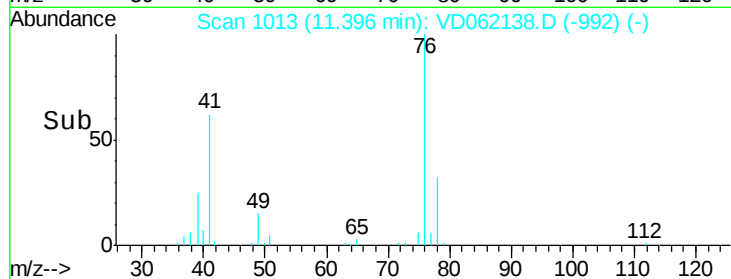
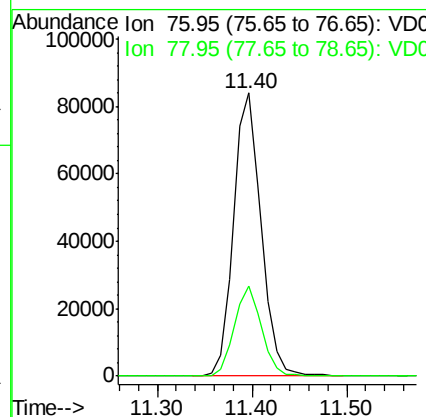
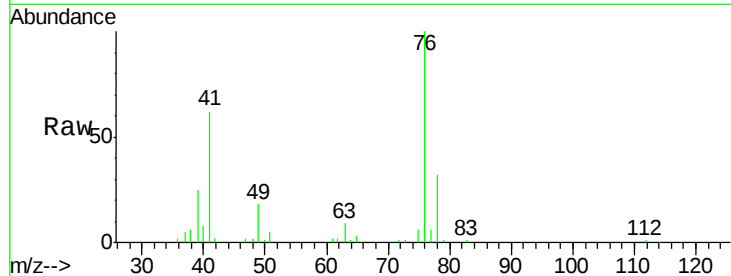
#57
 1,3-Dichloropropane
 Concen: 18.881 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 168152
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

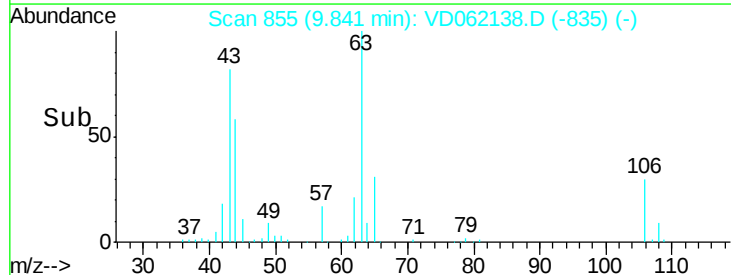
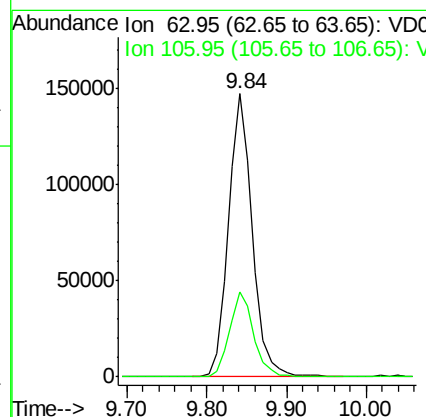
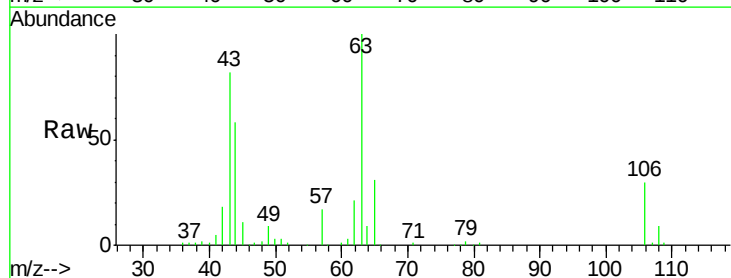
Manual Integrations
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 5/9/2019 12:56:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.683 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 63 Resp: 309426
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0





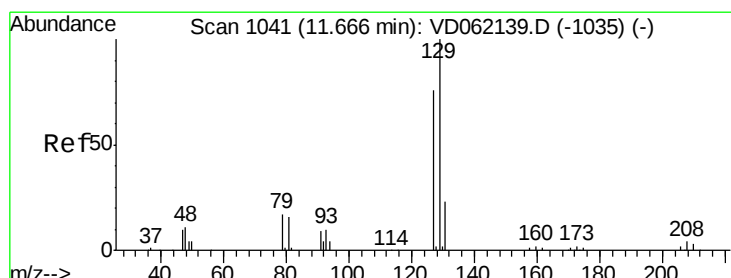
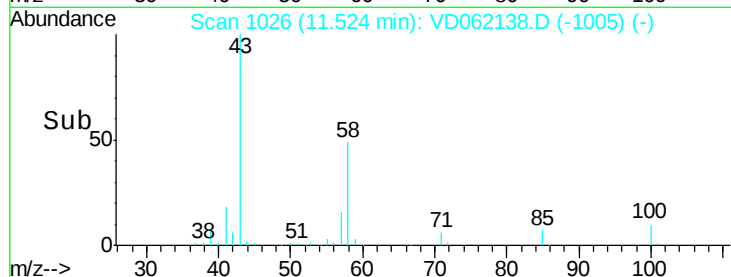
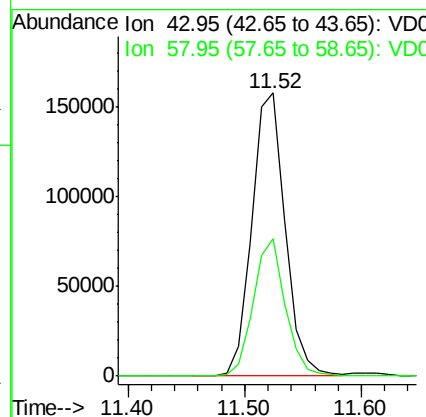
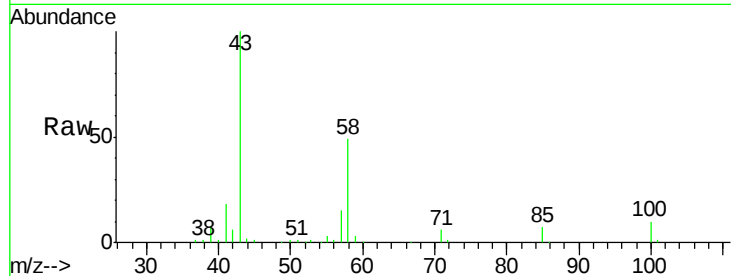
#59
2-Hexanone
Concen: 105.087 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 311878
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4

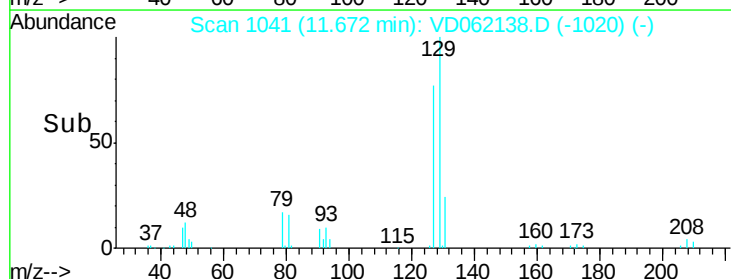
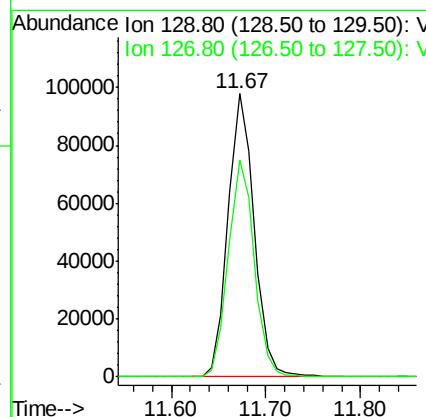
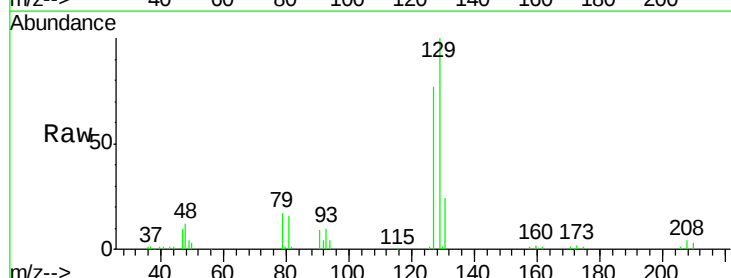
Manual Integrations
APPROVED

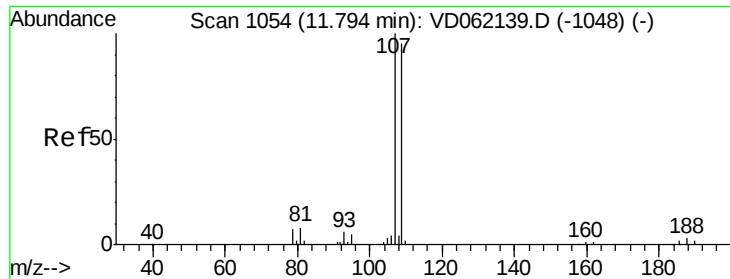
MMDadoda
5/9/2019 12:56:32 AM



#60
Dibromochloromethane
Concen: 19.241 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 129 Resp: 186868
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





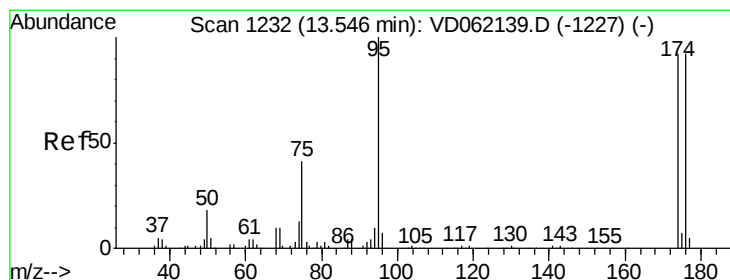
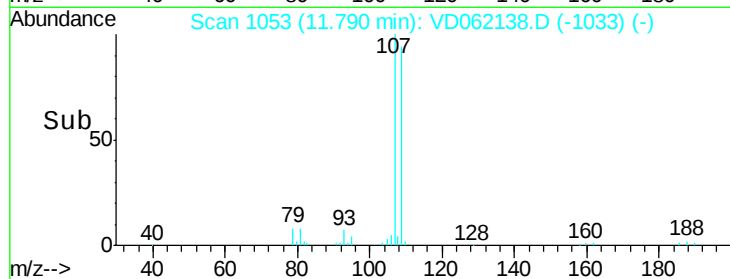
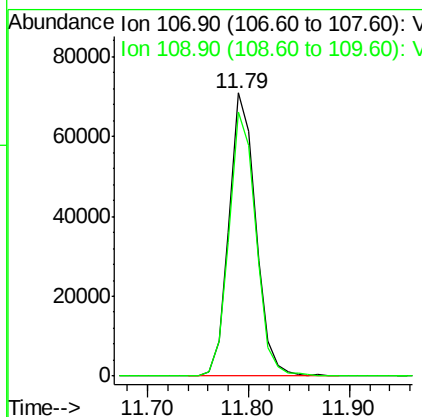
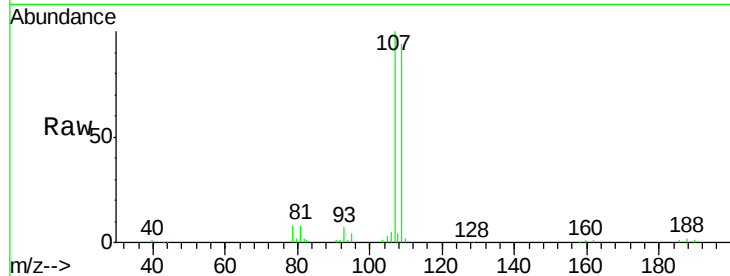
#61
1,2-Dibromoethane
Concen: 19.656 ug/l
RT: 11.79 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	78.3	117.5

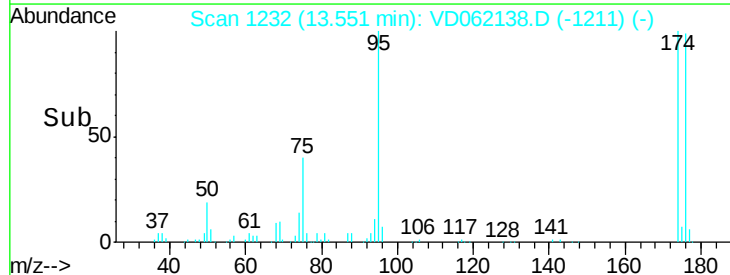
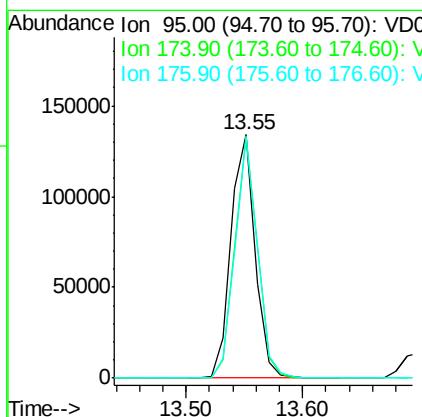
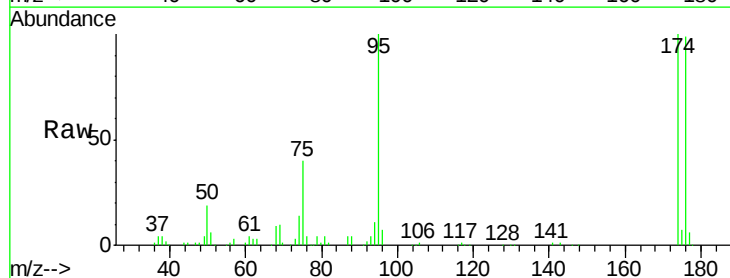
Manual Integrations
APPROVED

MMDadoda
5/9/2019 12:56:32 AM



#62
4-Bromofluorobenzene
Concen: 17.057 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.5	0.0	181.8
176	98.9	0.0	174.4





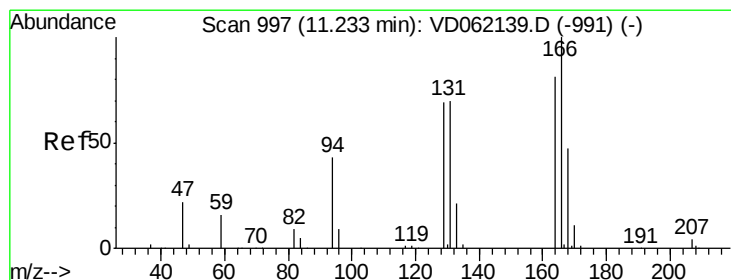
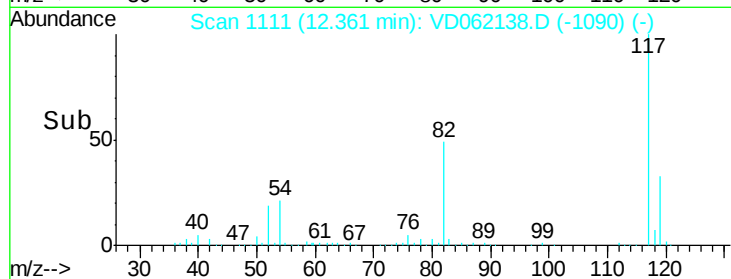
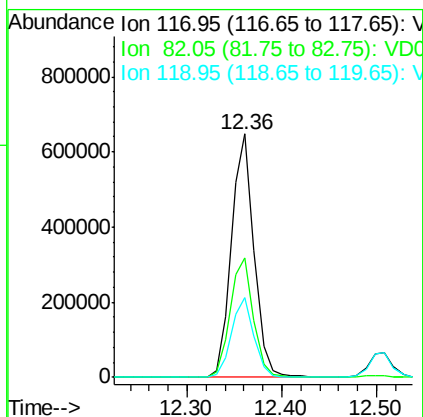
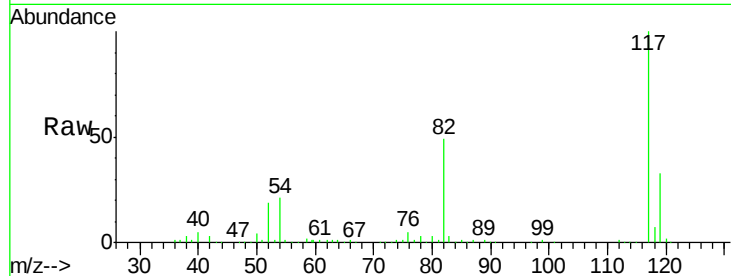
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1063224
Ion Ratio Lower Upper
117 100
82 48.8 36.2 54.2
119 33.0 26.2 39.4

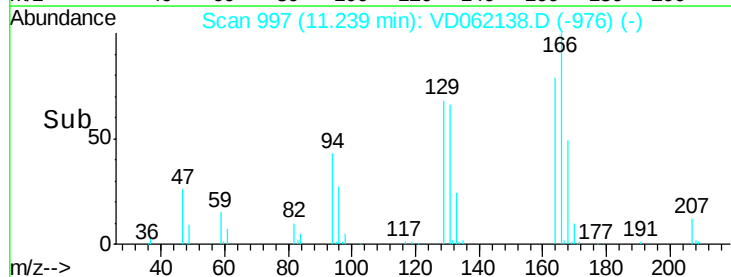
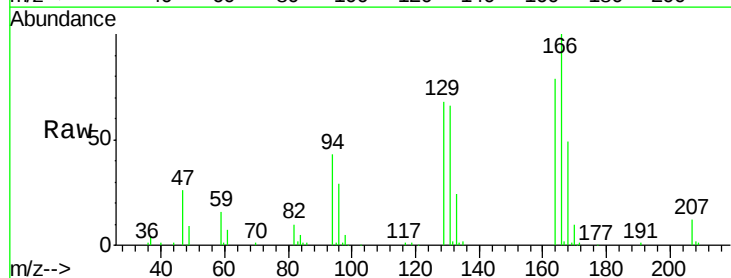
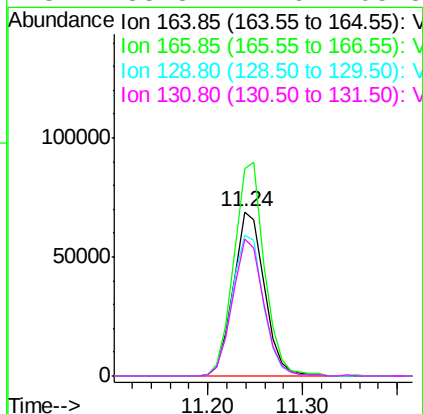
Manual Integrations
APPROVED

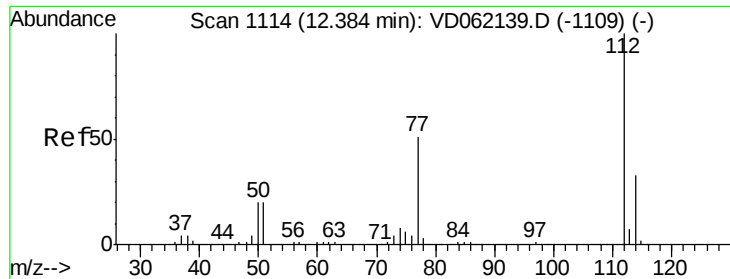
MMDadoda
5/9/2019 12:56:32 AM



#64
Tetrachloroethene
Concen: 18.014 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:164 Resp: 155818
Ion Ratio Lower Upper
164 100
166 126.4 101.5 152.3
129 85.4 74.6 112.0
131 83.3 72.6 108.8





#65

Chlorobenzene

Concen: 20.771 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 405362

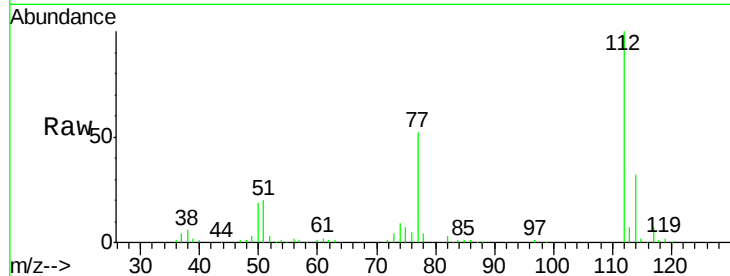
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.8

Manual Integrations
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5/9/2019 12:56:32 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.39

250000

200000

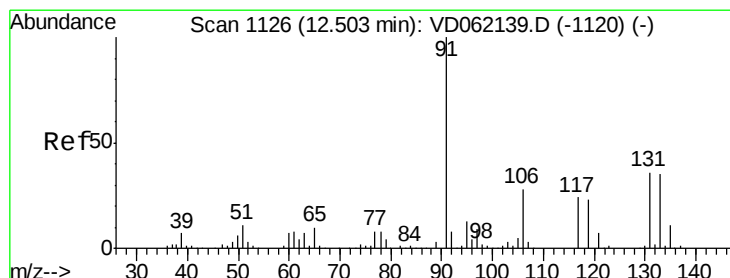
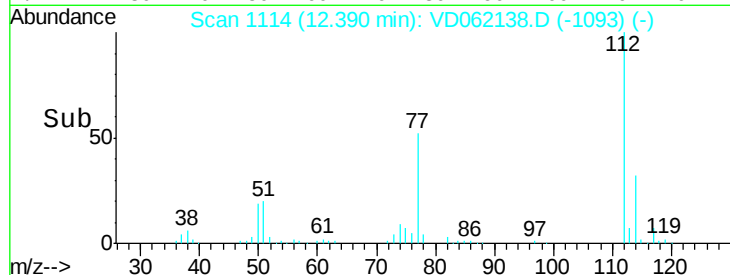
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.725 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

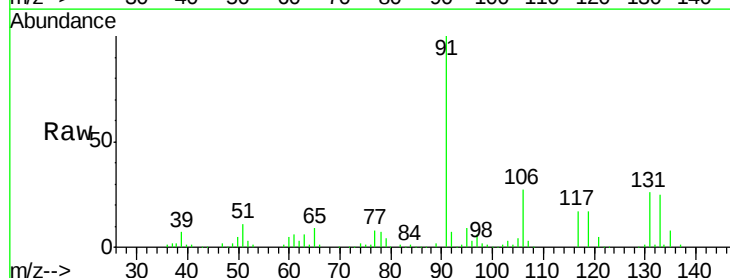
Tgt Ion:131 Resp: 172895

Ion Ratio Lower Upper

131 100

133 95.8 48.6 145.8

119 64.9 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

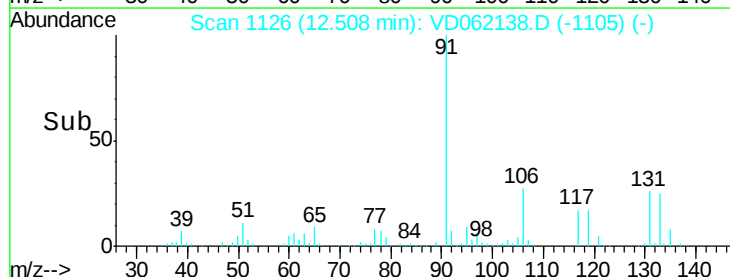
12.51

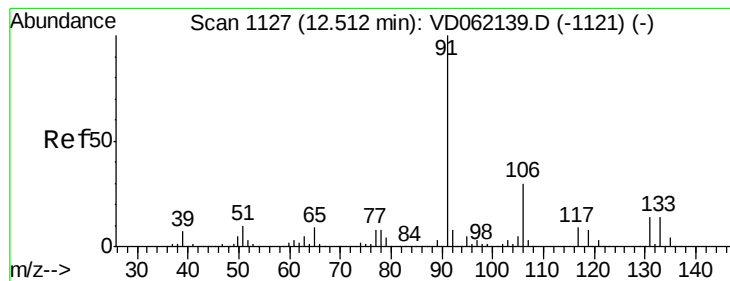
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.351 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 679138

Ion Ratio Lower Upper

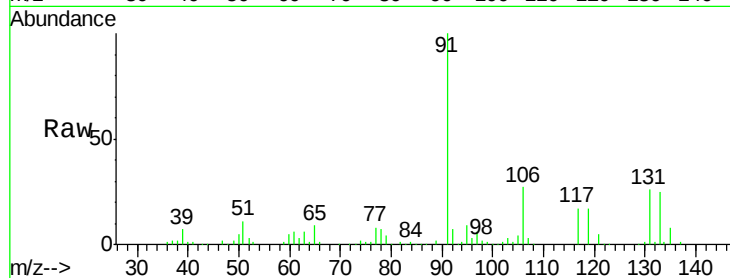
91 100

106 27.2 24.7 37.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

600000

500000

400000

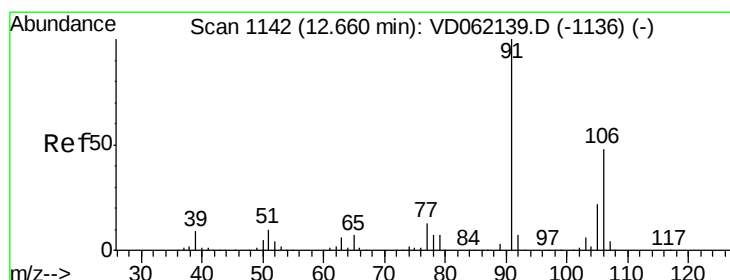
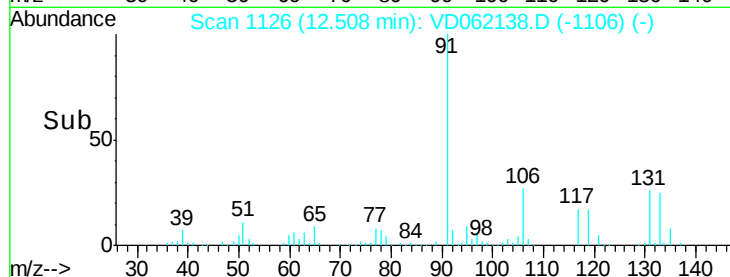
300000

200000

100000

0

Time-->



#68

m/p-Xylenes

Concen: 35.560 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD062138.D

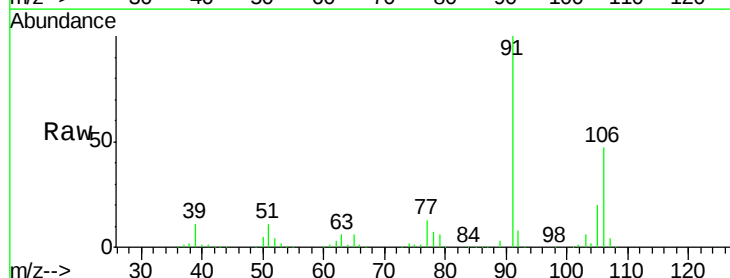
Acq: 7 May 2019 12:35

Tgt Ion:106 Resp: 469443

Ion Ratio Lower Upper

106 100

91 213.2 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

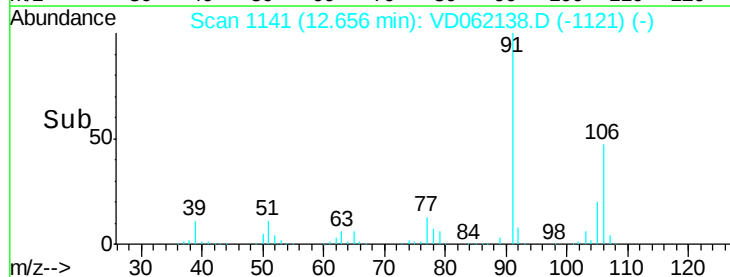
300000

200000

100000

0

Time-->





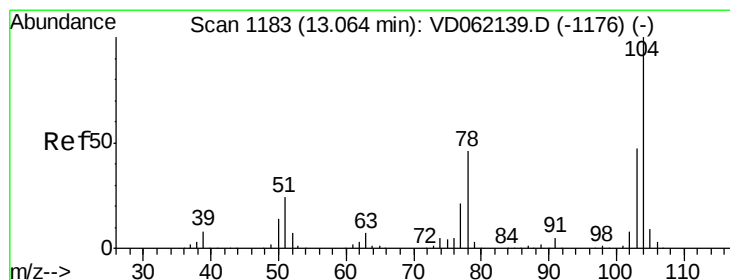
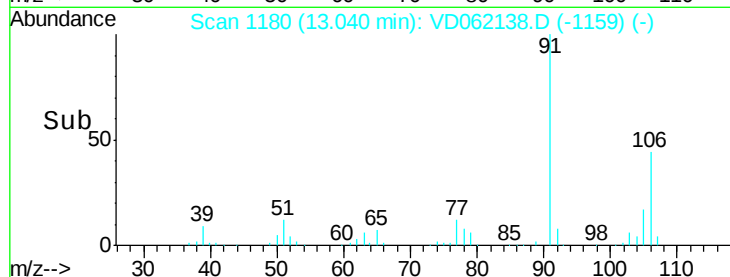
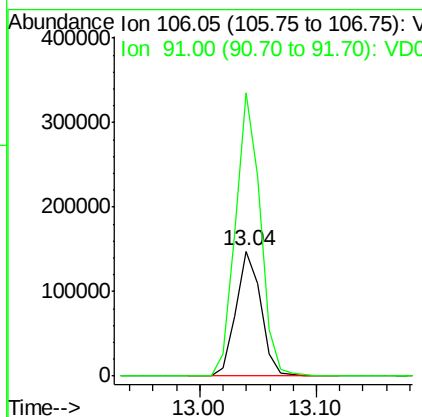
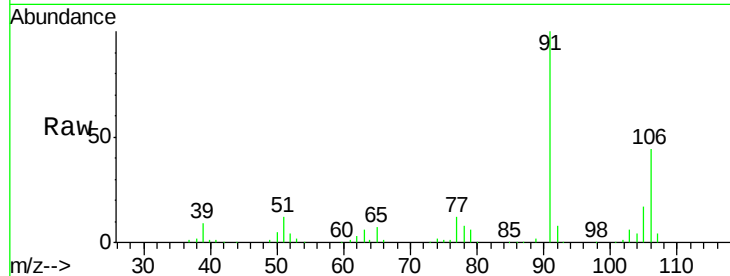
#69
o-Xylene
Concen: 18.540 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 219697
Ion Ratio Lower Upper
106 100
91 226.5 106.7 319.9

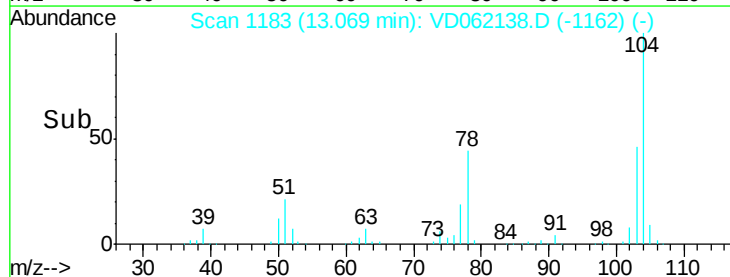
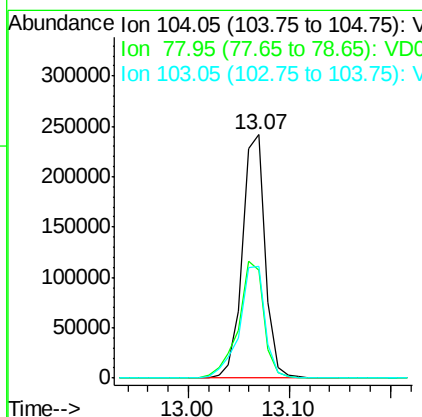
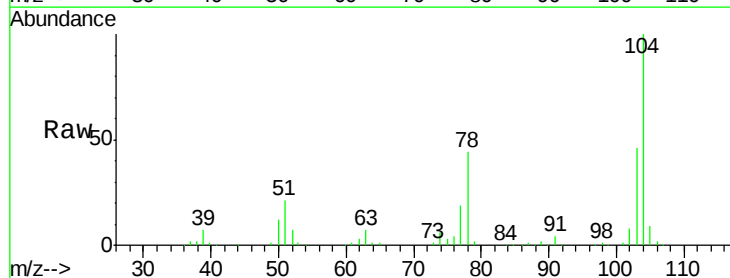
Manual Integrations
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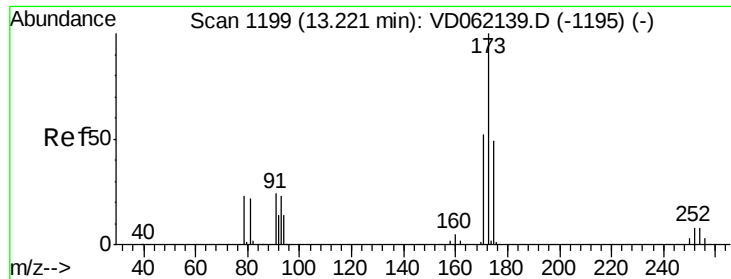
MMDadoda
5/9/2019 12:56:32 AM



#70
Styrene
Concen: 19.567 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:104 Resp: 379070
Ion Ratio Lower Upper
104 100
78 44.1 35.4 53.2
103 46.0 37.5 56.3





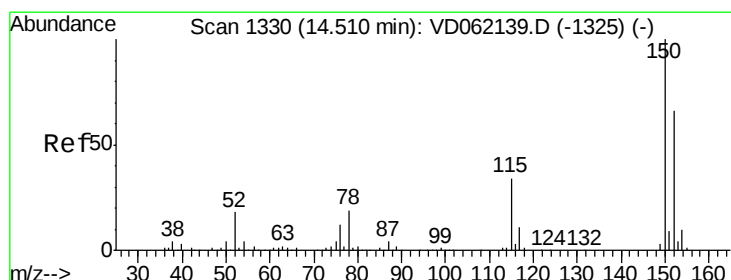
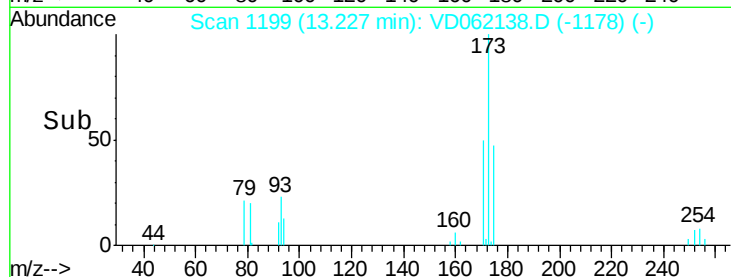
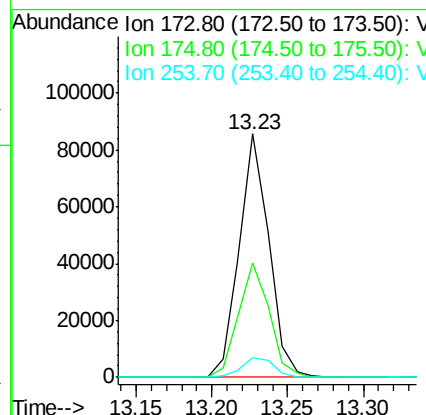
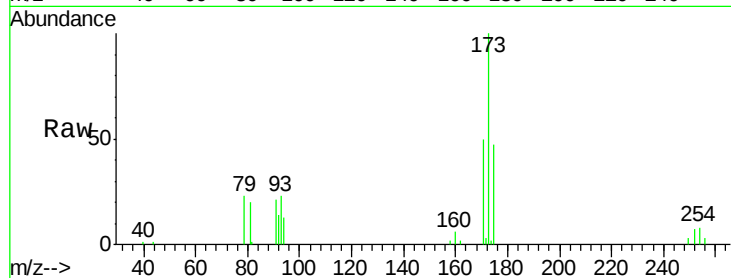
#71
Bromoform
Concen: 18.222 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.4	73.4
254	8.2	5.4	8.2#

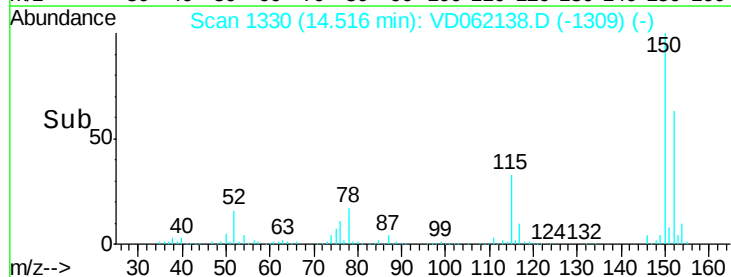
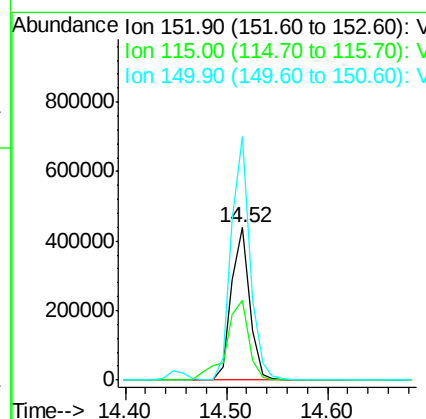
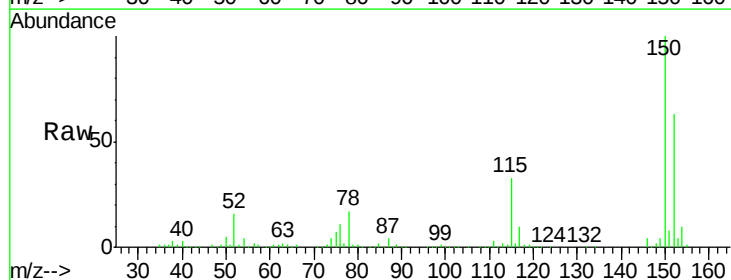
Manual Integrations
APPROVED

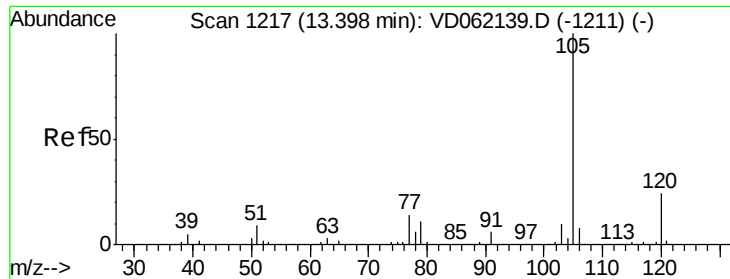
MMDadoda
5/9/2019 12:56:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	30.9	92.7
150	159.8	0.0	314.8





#73

Isopropylbenzene

Concen: 20.396 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 670223

Ion Ratio Lower Upper

105 100

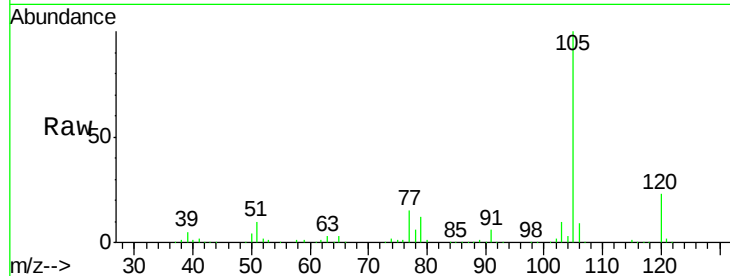
120 23.3 12.0 36.1

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

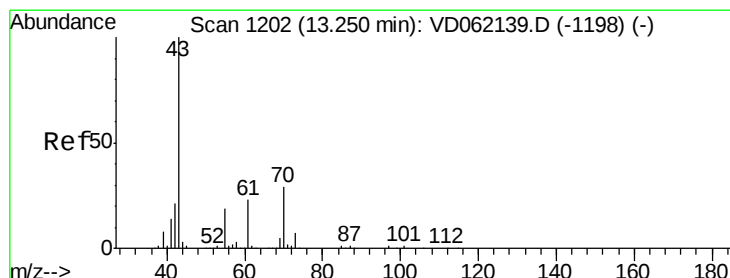
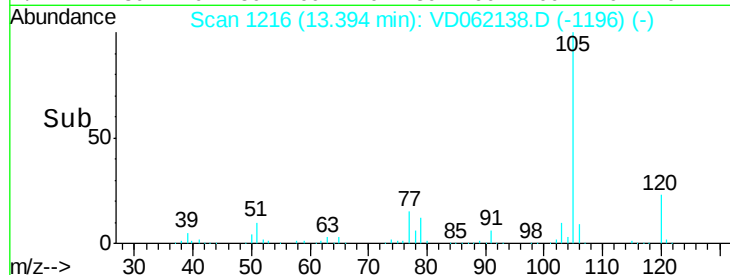
0

13.39

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 19.924 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion: 43 Resp: 169144

Ion Ratio Lower Upper

43 100

70 29.1 24.2 36.4

55 17.4 16.0 24.0

61 25.6 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

200000

150000

100000

50000

0

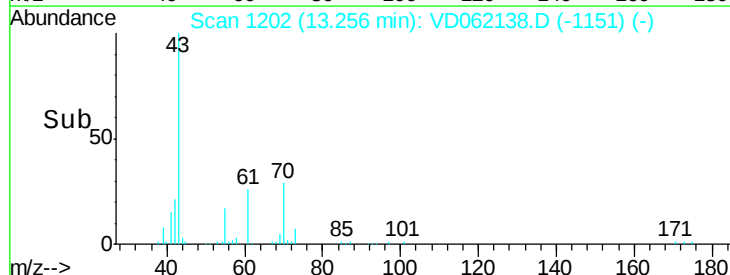
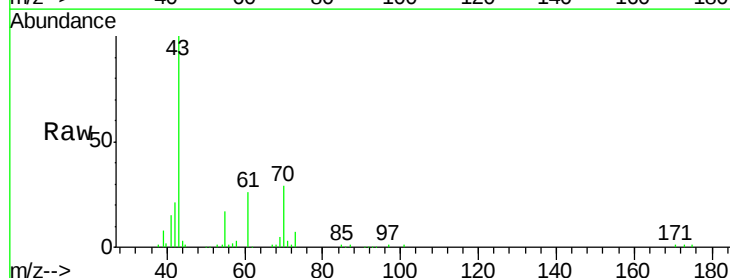
13.26

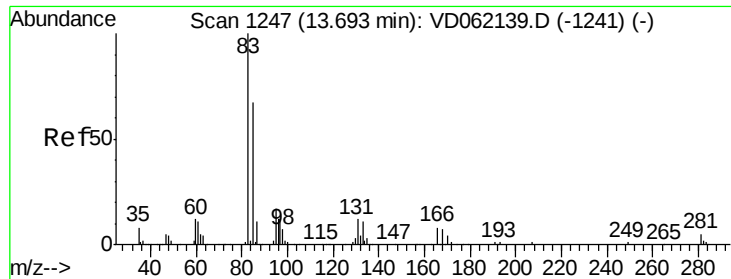
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.422 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

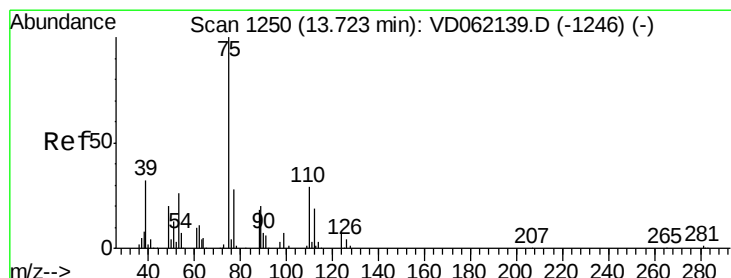
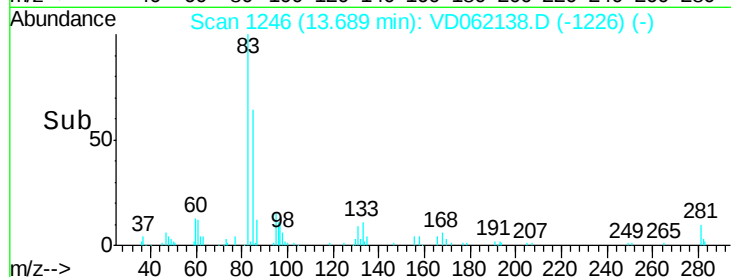
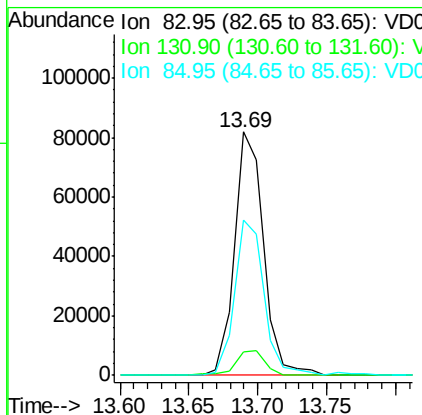
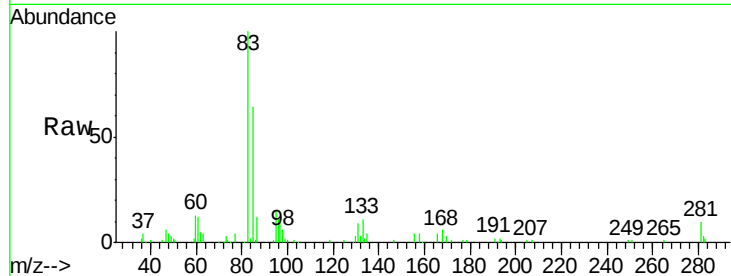
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	120294
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	63.6	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.772 ug/l

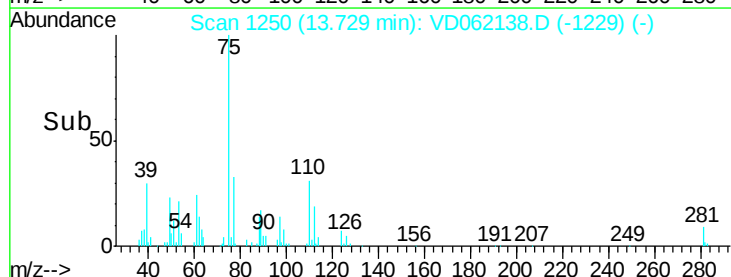
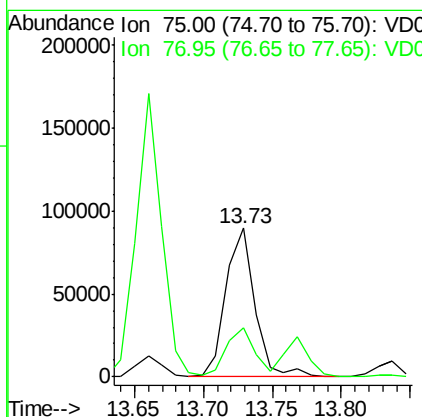
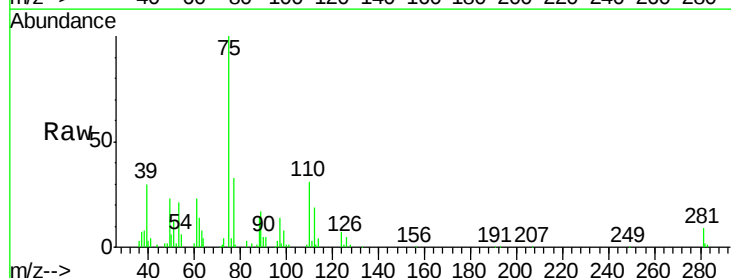
RT: 13.73 min Scan# 1250

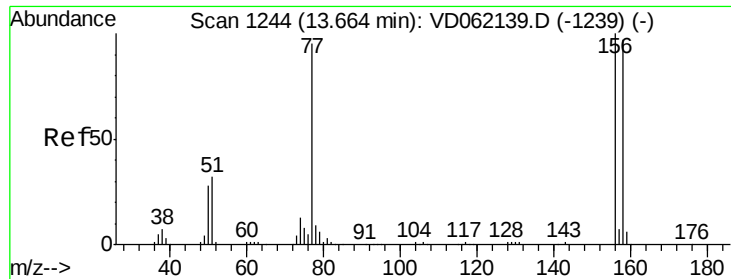
Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion:	75	Resp:	132372
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.4	49.4





#77

Bromobenzene

Concen: 21.963 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

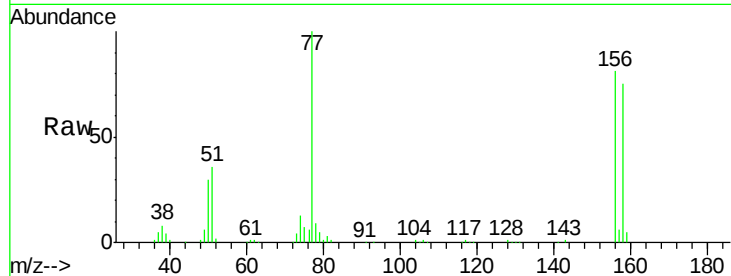
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	187906
Ion Ratio	Lower	Upper	
156	100		
77	123.9	53.1	159.4
158	93.6	49.4	148.0

Manual Integrations
APPROVED

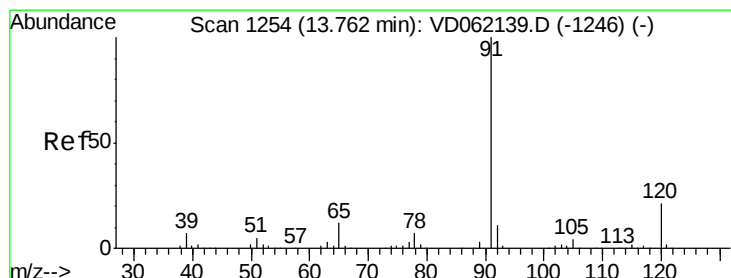
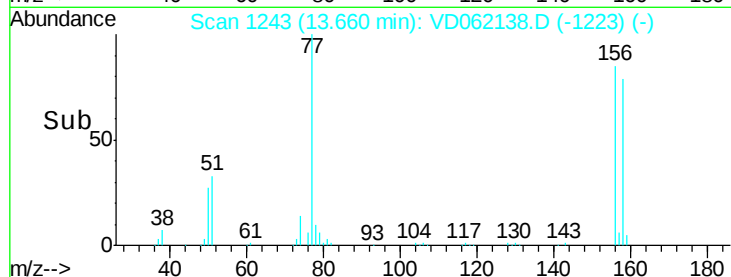
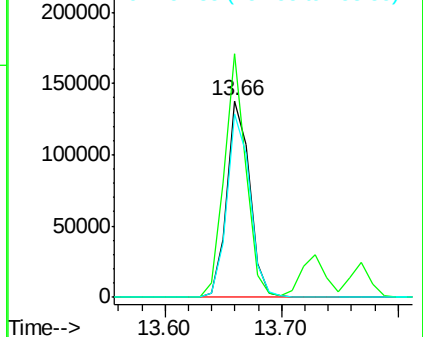
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.519 ug/l

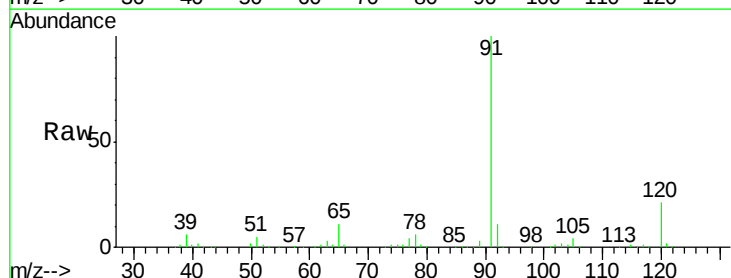
RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062138.D

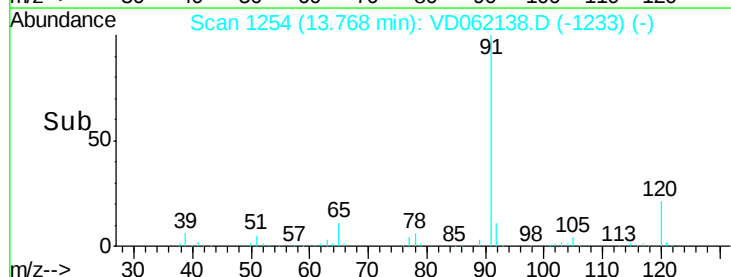
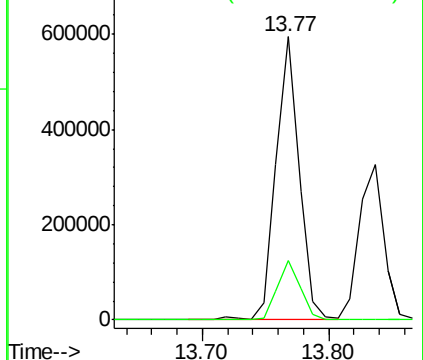
Acq: 7 May 2019 12:35

Tgt Ion:	91	Resp:	763347
Ion Ratio	Lower	Upper	
91	100		
120	20.8	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.944 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 438141

Ion Ratio Lower Upper

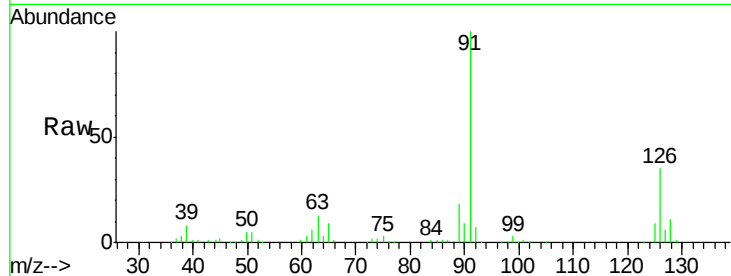
91 100

126 34.6 18.6 55.8

Manual Integrations
APPROVED

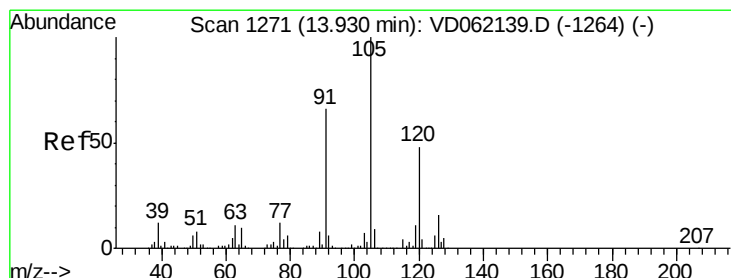
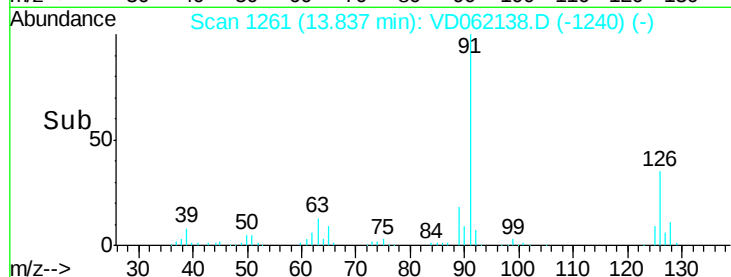
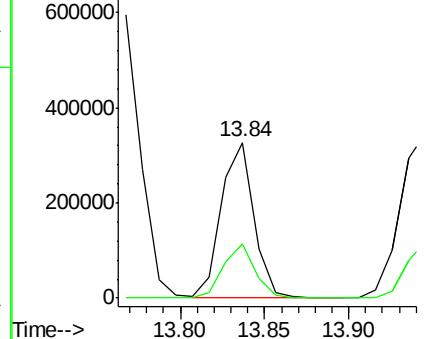
MMDadoda

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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: 19.704 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062138.D

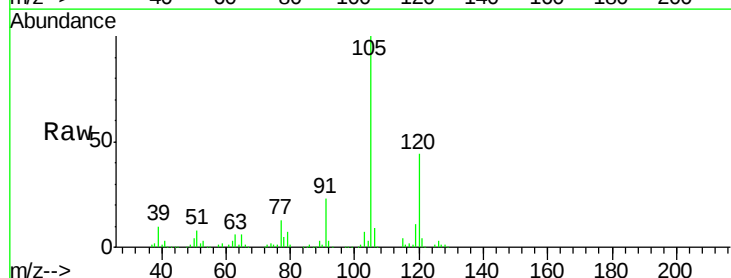
Acq: 7 May 2019 12:35

Tgt Ion: 105 Resp: 531120

Ion Ratio Lower Upper

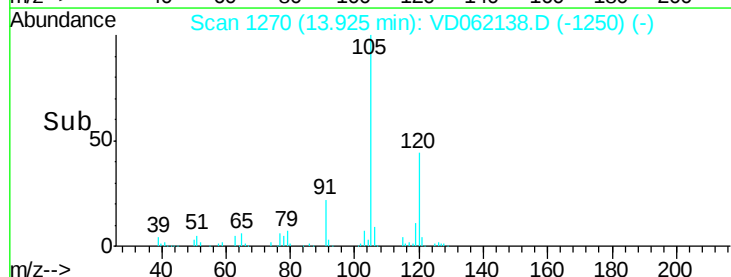
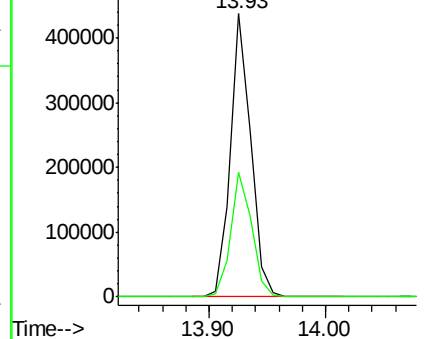
105 100

120 44.1 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: 18.903 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

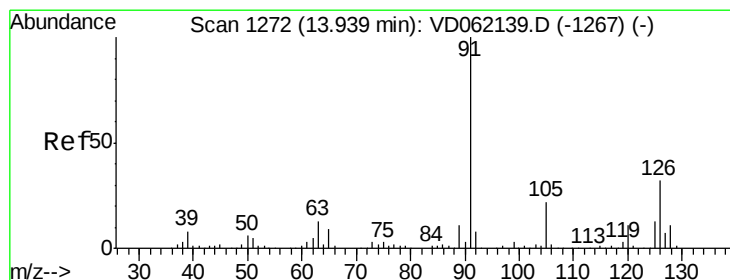
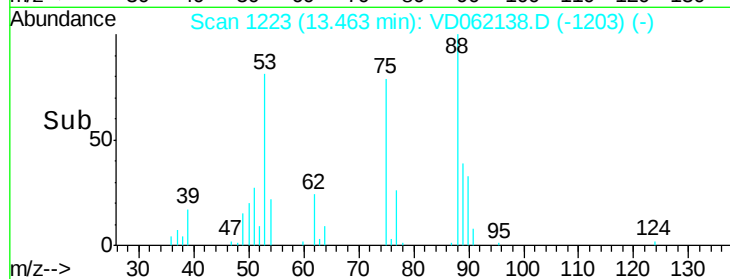
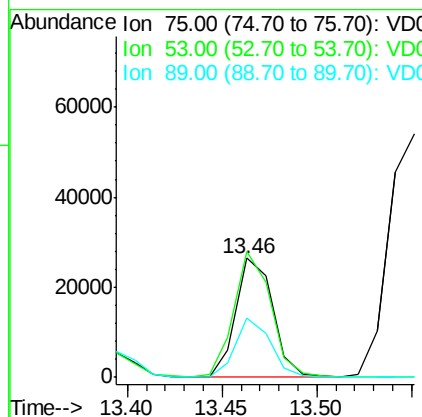
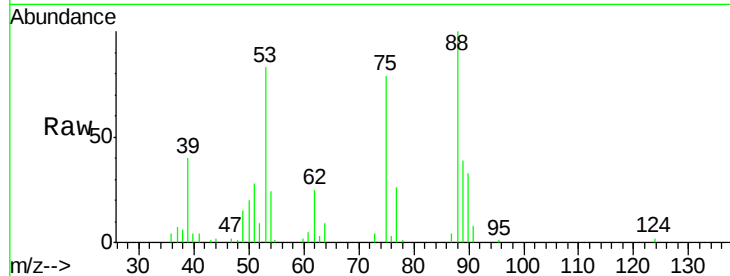
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	65.8	98.8#
89	50.0	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.788 ug/l

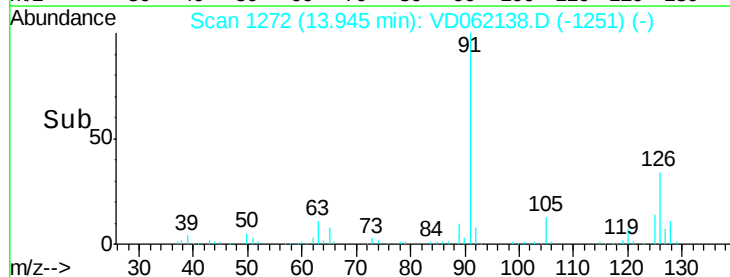
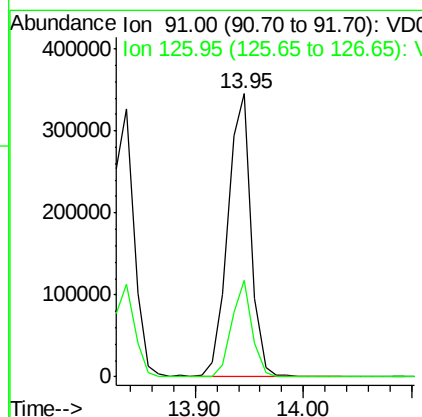
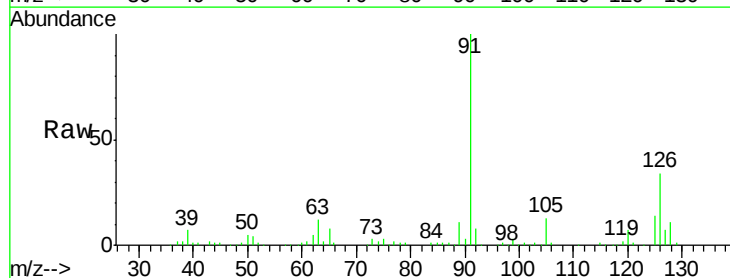
RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	19.1	57.5





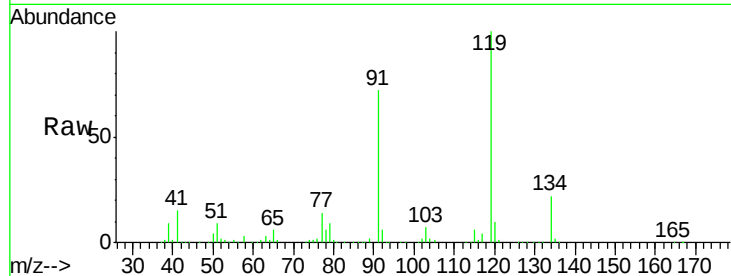
#83
tert-Butylbenzene
Concen: 20.383 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

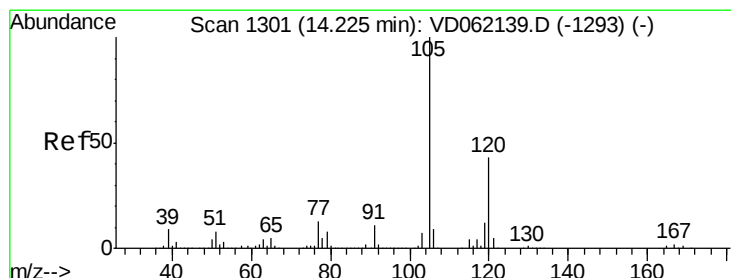
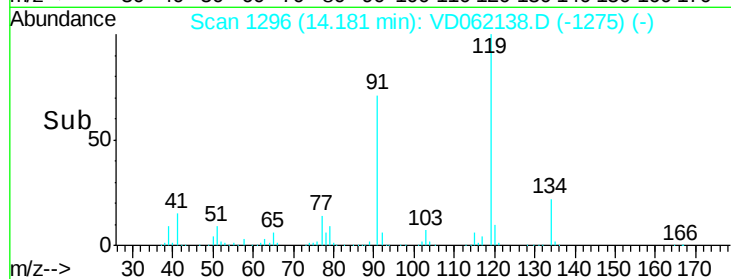
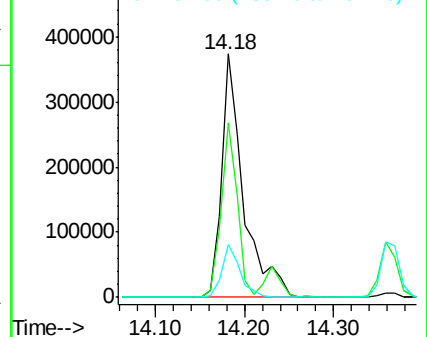
Tot Ion	Ratio	Lower	Upper
119	100		
91	71.8	34.2	102.6
134	21.9	12.0	36.0

Manual Integrations
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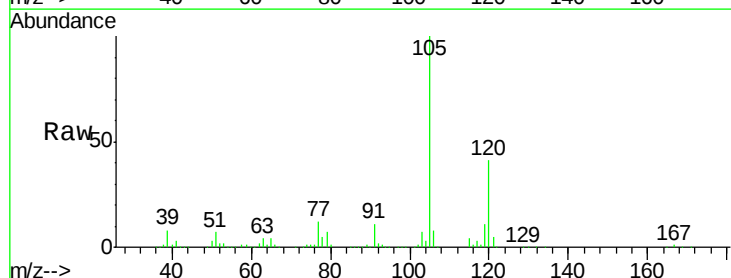


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

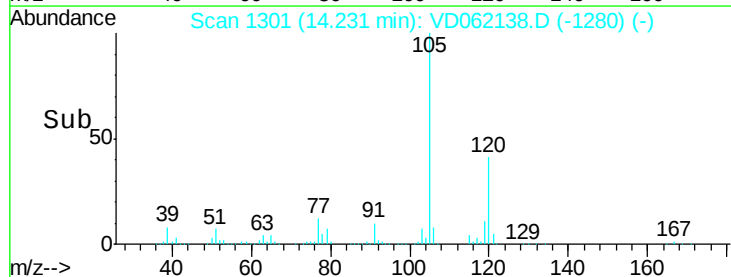
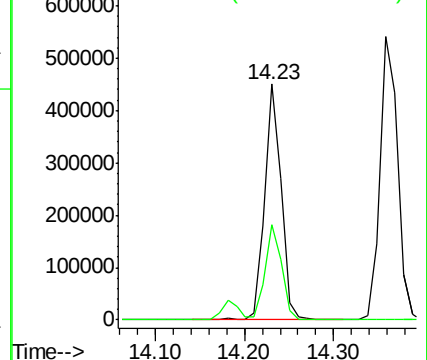


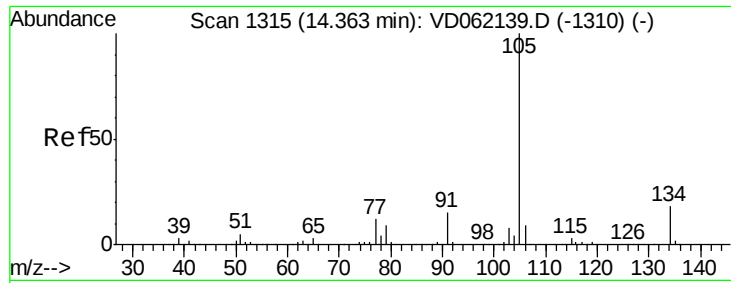
#84
1,2,4-Trimethylbenzene
Concen: 20.964 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.6	23.1	69.2



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





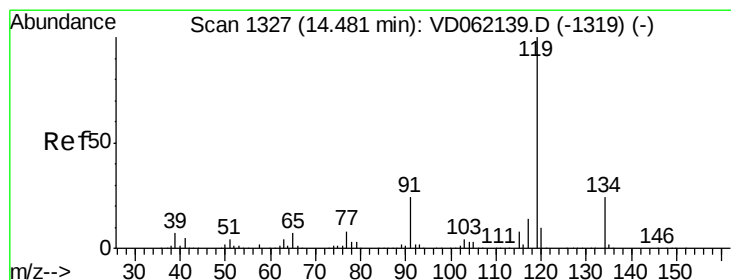
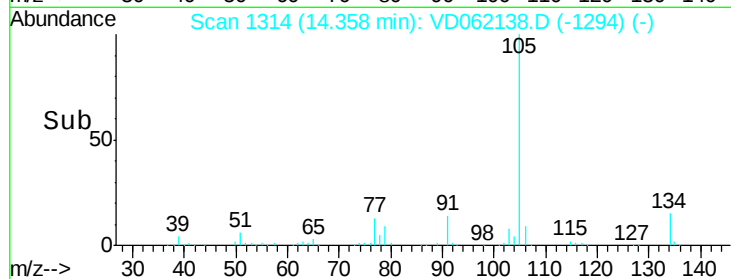
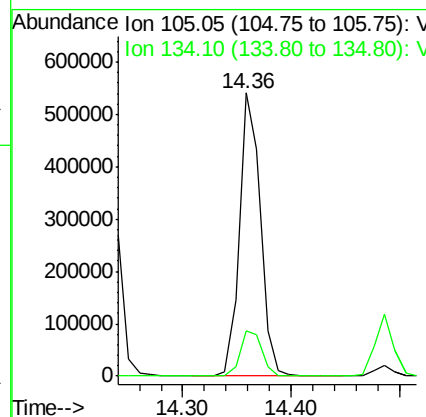
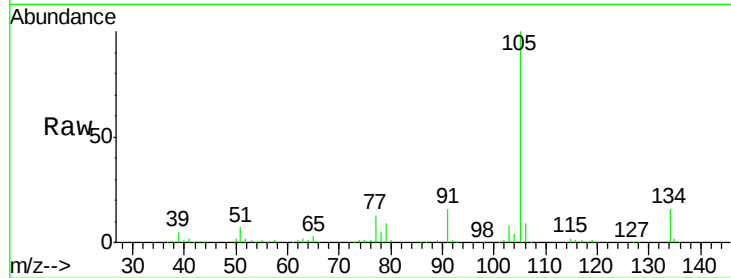
#85
 sec-Butylbenzene
 Concen: 21.762 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 728155
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.9 26.7

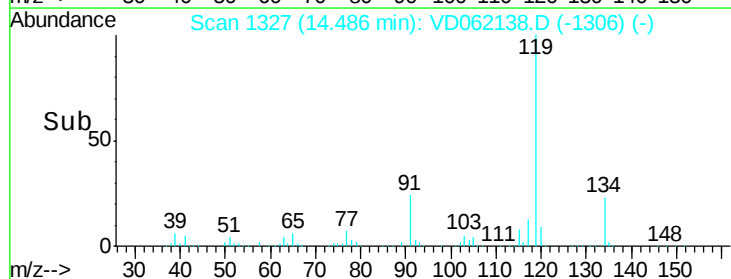
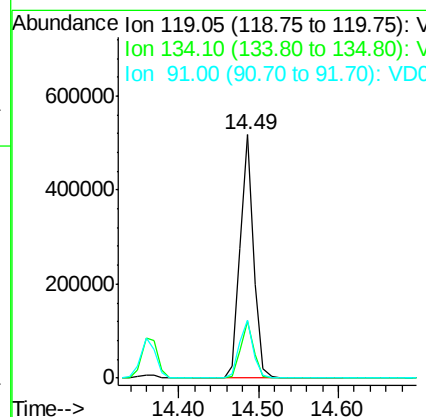
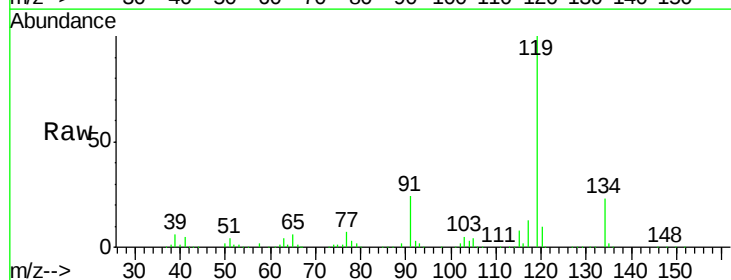
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#86
 p-Isopropyltoluene
 Concen: 19.385 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion:119 Resp: 618698
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 24.0 10.7 32.1





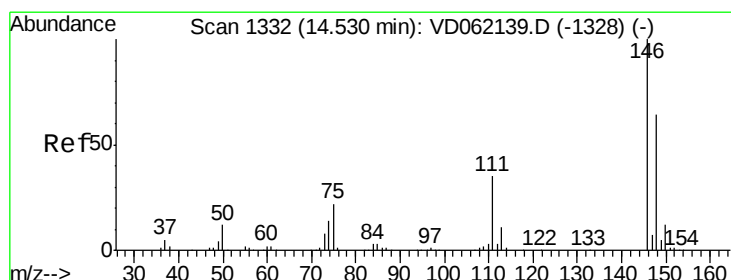
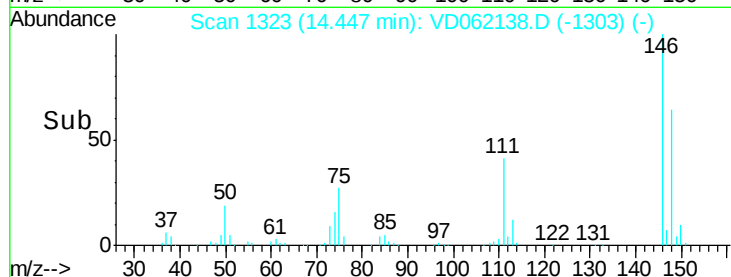
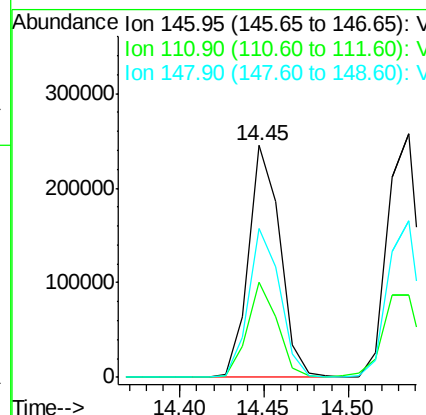
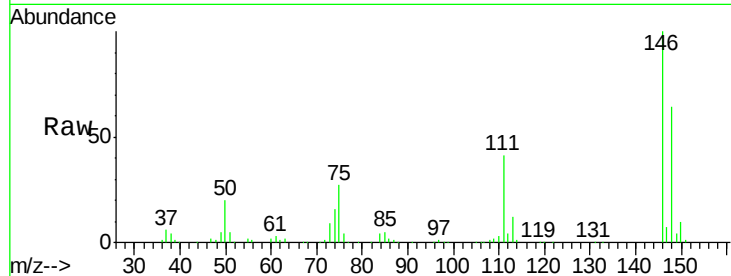
#87
 1,3-Dichlorobenzene
 Concen: 19.375 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

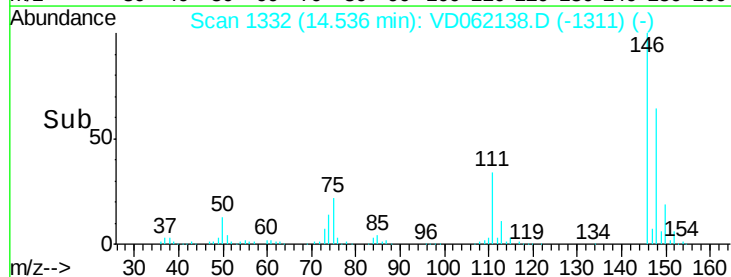
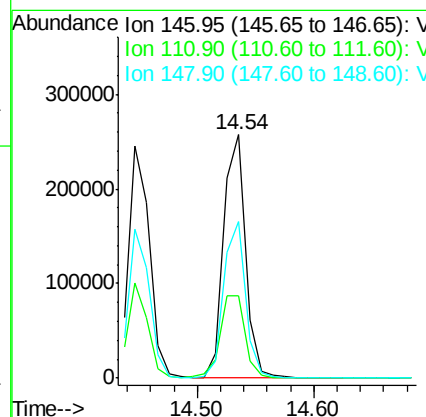
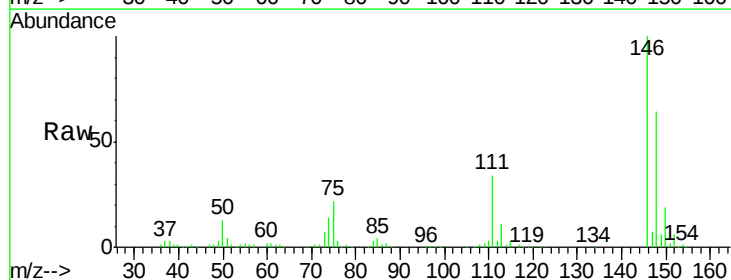
Manual Integrations
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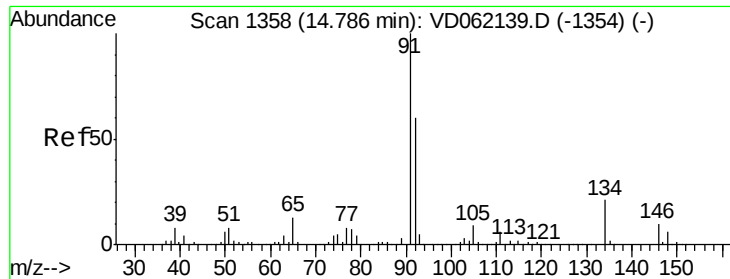
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#88
 1,4-Dichlorobenzene
 Concen: 21.636 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	20.2	60.5
148	64.2	32.0	96.2





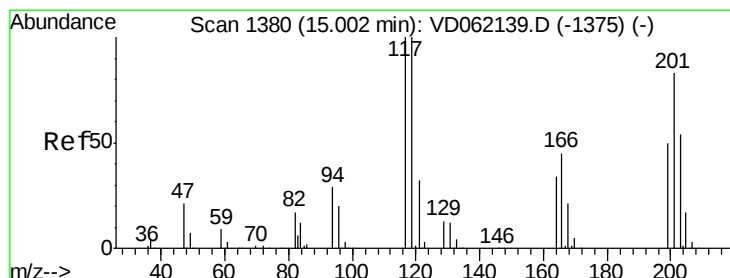
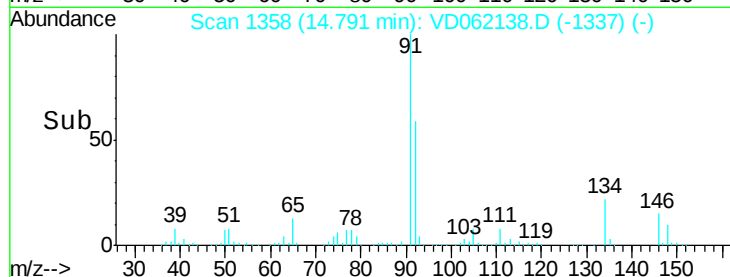
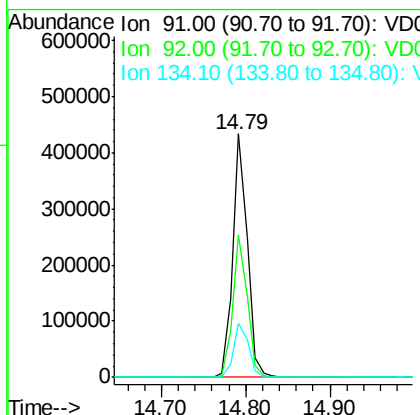
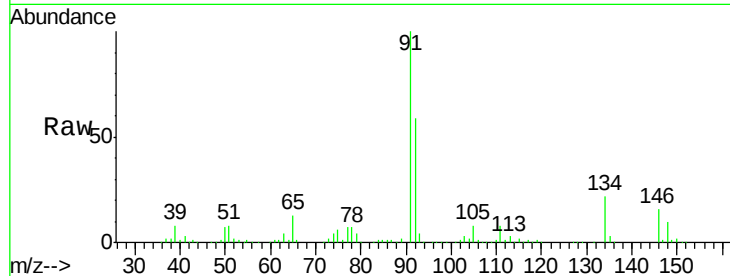
#89
n-Butylbenzene
Concen: 20.108 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.3	91.0
134	22.2	14.5	43.6

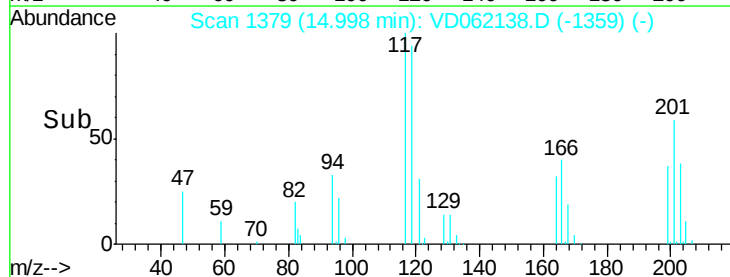
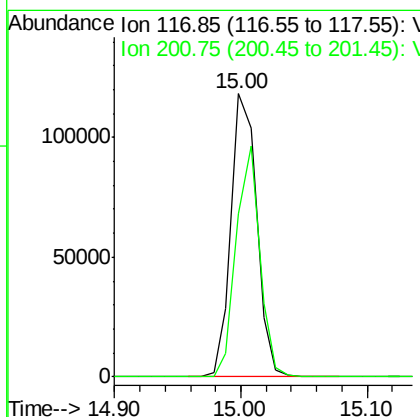
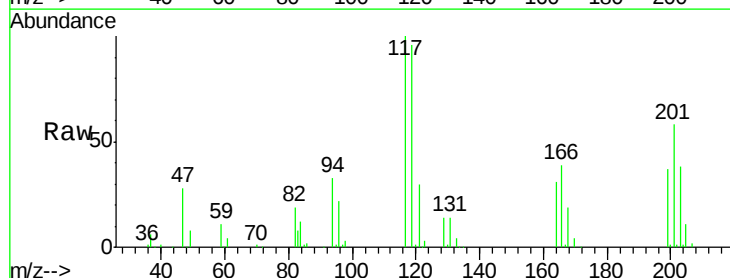
Manual Integrations
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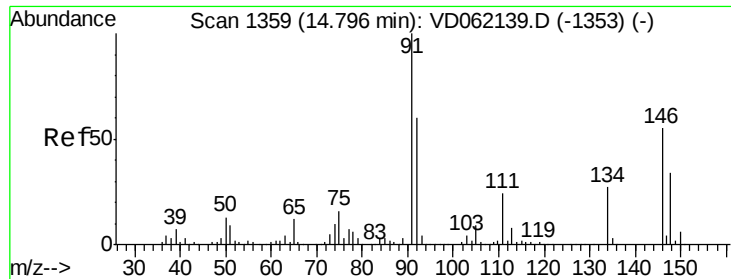
MMDadoda
5/9/2019 12:56:32 AM



#90
Hexachloroethane
Concen: 19.973 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.7	30.2	90.6





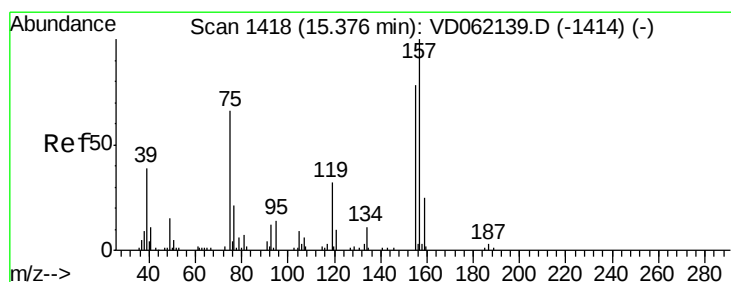
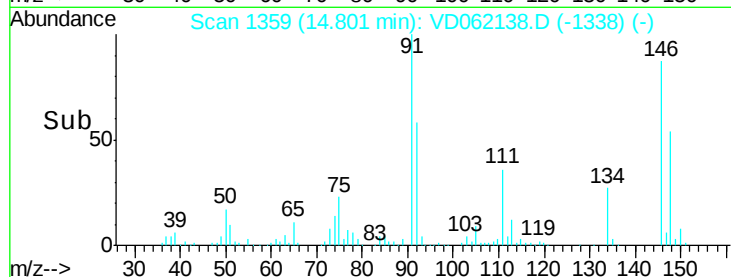
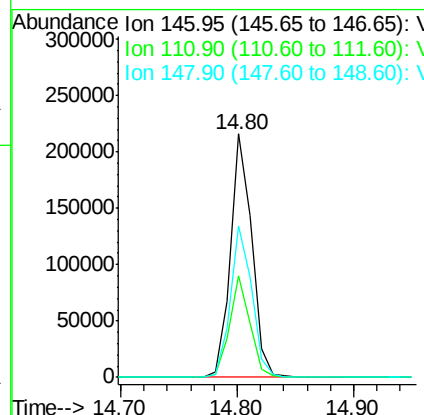
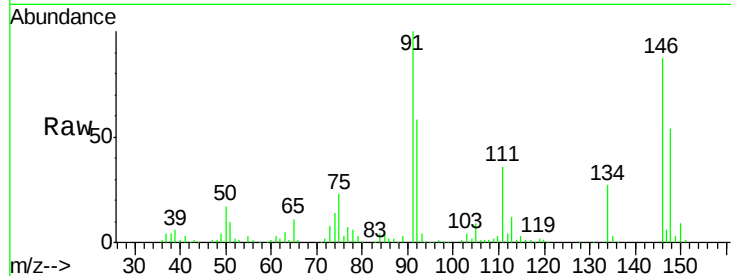
#91
 1,2-Dichlorobenzene
 Concen: 21.335 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	59.9
148	62.1	32.3	96.8

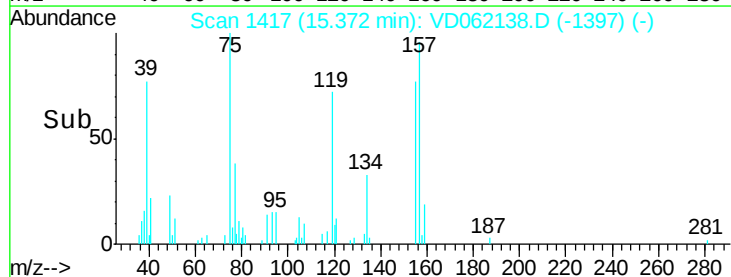
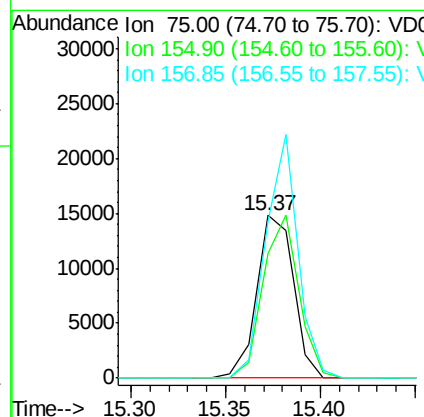
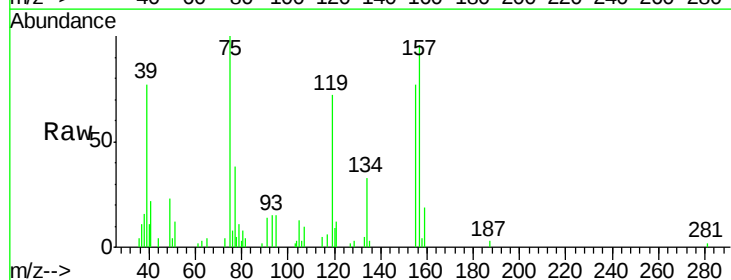
Manual Integrations
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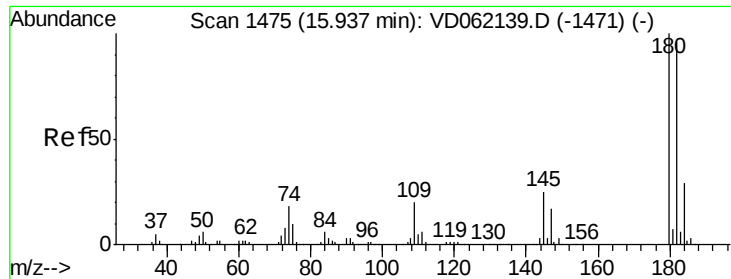
MMDadoda
 5/9/2019 12:56:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.066 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	55.3	165.8
157	96.3	67.8	203.2





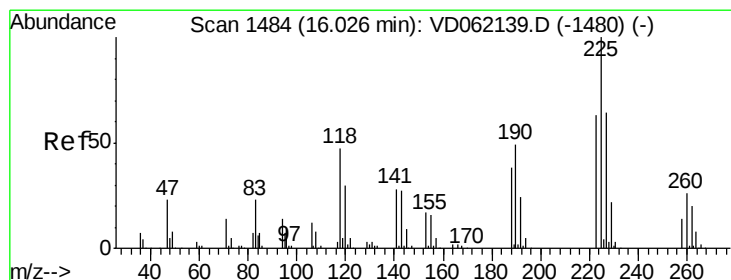
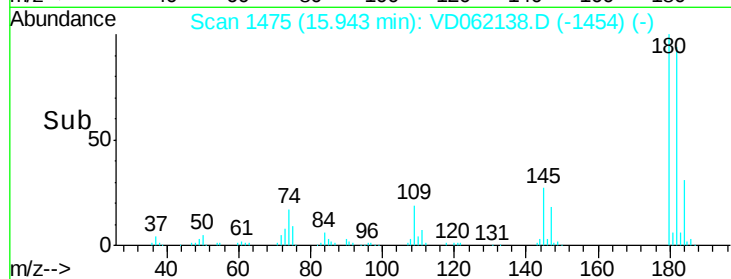
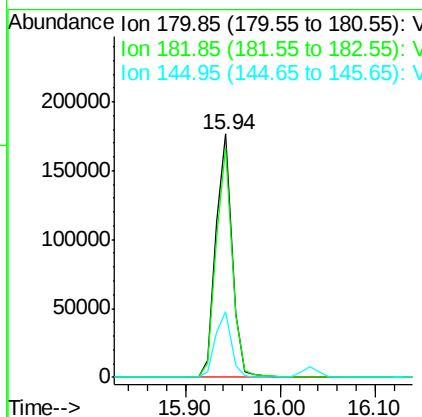
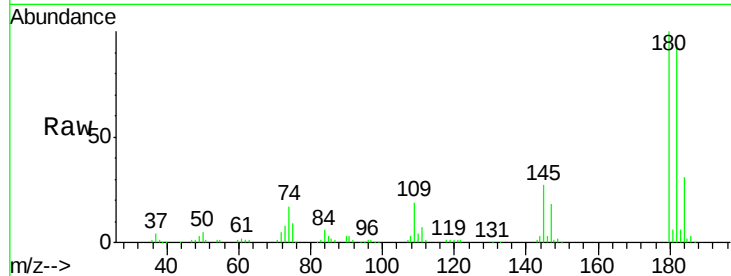
#93
 1,2,4-Trichlorobenzene
 Concen: 22.506 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	210656		
182	94.1	49.3	147.8	
145	27.1	16.2	48.6	

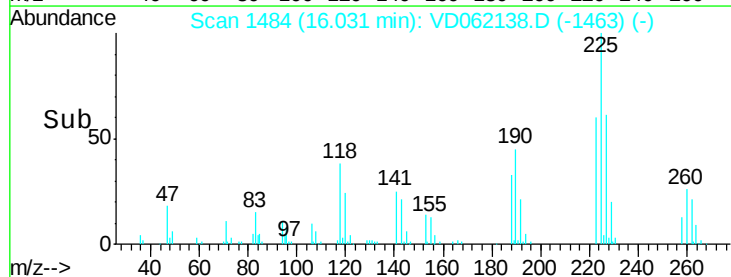
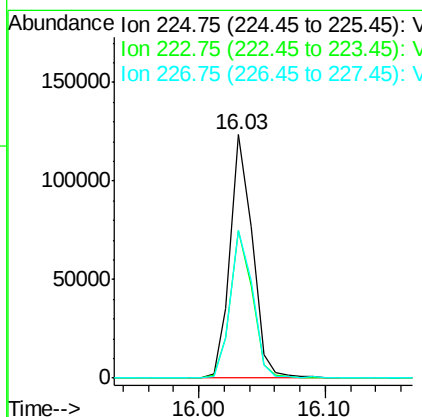
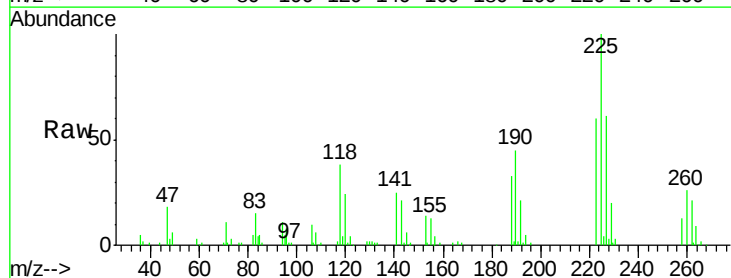
Manual Integrations
 APPROVED

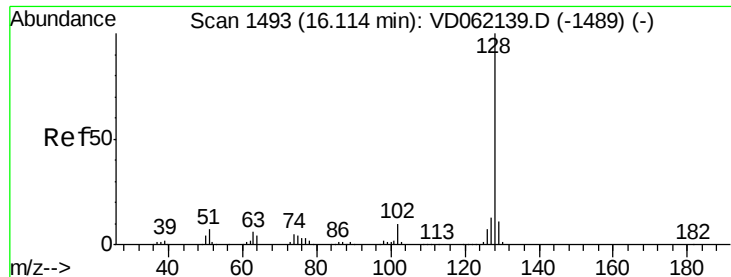
MMDadoda
 5/9/2019 12:56:32 AM



#94
 Hexachlorobutadiene
 Concen: 20.754 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150528		
223	60.4	30.6	92.0	
227	60.6	32.0	96.2	





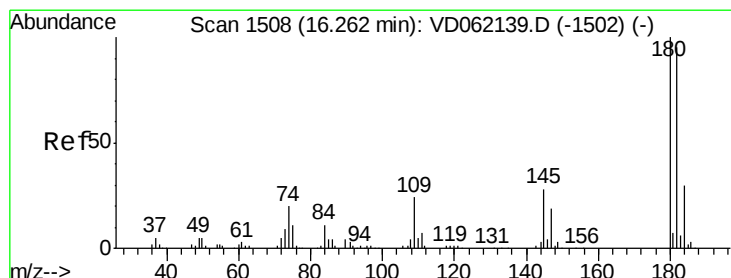
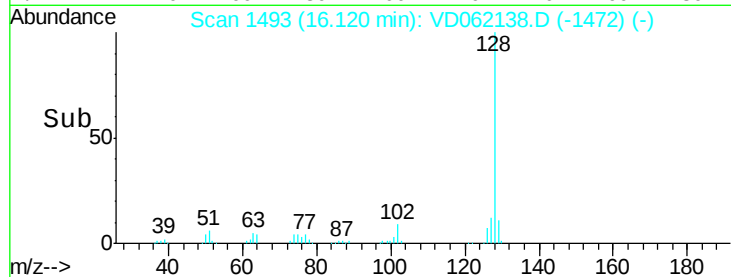
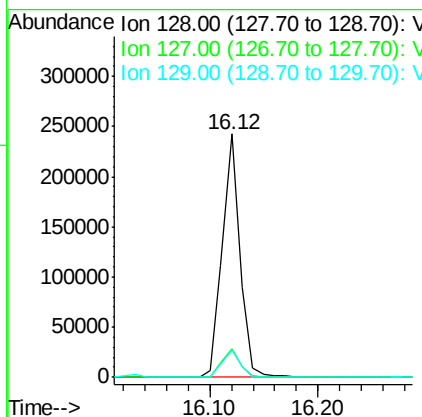
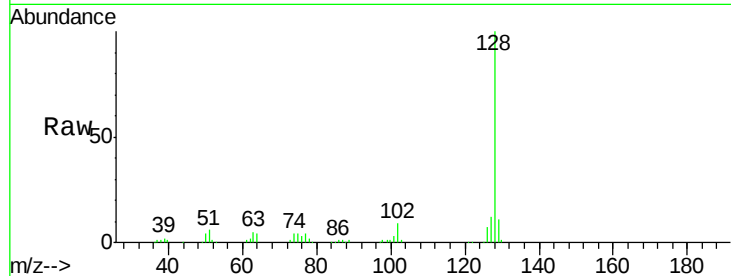
#95
Naphthalene
Concen: 19.781 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	277138		
127	11.8		9.8	14.8
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/9/2019 12:56:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.460 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	126392		
182	100.4		47.0	141.0
145	28.7		17.0	51.0

