

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062273.D
 Acq On : 12 May 2019 22:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 11:55:48 AM

Quant Time: May 13 03:26:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	649565	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	896988	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	723919	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	406897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	326062	54.02	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	6.93	113	380775	51.16	ug/l	0.04
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.42	98	789920	44.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.04%	
62) 4-Bromofluorobenzene	13.56	95	358721	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.58	85	312825	50.354	ug/l	99
3) Chloromethane	1.75	50	196638	43.804	ug/l	99
4) Vinyl Chloride	1.84	62	190233	43.120	ug/l	93
5) Bromomethane	2.15	94	82729	80.029	ug/l	90
6) Chloroethane	2.27	64	111548	60.257	ug/l	97
7) Trichlorofluoromethane	2.53	101	499131	58.194	ug/l	97
8) Diethyl Ether	2.88	74	69563	42.053	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	331422	51.080	ug/l	98
10) Methyl Iodide	3.31	142	442373	45.112	ug/l #	89
11) Tert butyl alcohol	4.07	59	71461	231.918	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	244136	49.292	ug/l	84
13) Acrolein	3.04	56	64197	201.434	ug/l	94
14) Allyl chloride	3.62	41	327017	45.411	ug/l #	79
15) Acrylonitrile	4.20	53	185876	229.503	ug/l #	88
16) Acetone	3.22	43	315962	249.592	ug/l #	84
17) Carbon Disulfide	3.38	76	636065	44.643	ug/l	98
18) Methyl Acetate	3.65	43	103402	45.644	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	545070	51.344	ug/l	97
20) Methylene Chloride	3.81	84	245961	46.534	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	272987	49.532	ug/l	94
22) Diisopropyl ether	5.12	45	776920	50.698	ug/l	92
23) Vinyl Acetate	5.06	43	2148546	265.735	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	477122	51.611	ug/l	99
25) 2-Butanone	6.08	43	342207	247.831	ug/l	96
26) 2,2-Dichloropropane	6.03	77	475830	51.672	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	303290	49.163	ug/l	97
28) Bromochloromethane	6.44	49	217125	59.696	ug/l	84
29) Tetrahydrofuran	6.46	42	153031	240.531	ug/l	97
30) Chloroform	6.67	83	628639	56.424	ug/l	99
31) Cyclohexane	6.96	56	294145	46.442	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	587437	55.783	ug/l	99
36) 1,1-Dichloropropene	7.16	75	395297	53.749	ug/l	96
37) Ethyl Acetate	6.18	43	155552	49.874	ug/l #	92
38) Carbon Tetrachloride	7.12	117	588382m	57.802	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	341909	48.522	ug/l	95
40) Benzene	7.46	78	864687	52.067	ug/l	97
41) Methacrylonitrile	6.45	41	201341	52.825	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	403028	57.279	ug/l	92
43) Isopropyl Acetate	9.25	43	209581	47.381	ug/l	89
44) Trichloroethene	8.55	130	335171	52.964	ug/l	78
45) 1,2-Dichloropropane	8.94	63	214616	52.246	ug/l	96
46) Dibromomethane	9.07	93	185837	55.633	ug/l	92
47) Bromodichloromethane	9.38	83	470399	57.571	ug/l	99
48) Methyl methacrylate	9.13	41	136943	50.262	ug/l #	83
49) 1,4-Dioxane	9.09	88	28596	972.752	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	733336	257.912	ug/l	92
52) Toluene	10.51	92	551859	51.073	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	379569	53.749	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	404028	52.444	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	203683	53.276	ug/l	96
56) Ethyl methacrylate	11.05	69	209221	52.663	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	314344	54.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	587325	270.643	ug/l	97
59) 2-Hexanone	11.54	43	554778	264.727	ug/l	91
60) Dibromochloromethane	11.69	129	349002	52.821	ug/l	100
61) 1,2-Dibromoethane	11.81	107	234045	50.353	ug/l	99
64) Tetrachloroethene	11.26	164	294785	52.075	ug/l	97
65) Chlorobenzene	12.40	112	692883	51.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	319017	54.365	ug/l	88
67) Ethyl Benzene	12.53	91	1144479	50.701	ug/l	95
68) m/p-Xylenes	12.67	106	806012	98.144	ug/l	86
69) o-Xylene	13.05	106	379097	49.652	ug/l	84
70) Styrene	13.07	104	680224	52.592	ug/l #	92
71) Bromoform	13.24	173	223205	54.672	ug/l #	96
73) Isopropylbenzene	13.41	105	1201553	49.263	ug/l	97
74) N-amyl acetate	13.27	43	316056	49.424	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	212869	46.101	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	222112	45.932	ug/l	98
77) Bromobenzene	13.67	156	352165	51.578	ug/l	94
78) n-propylbenzene	13.78	91	1311906	45.090	ug/l	97
79) 2-Chlorotoluene	13.84	91	910550	54.644	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	1038578	50.566	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	60298	44.170	ug/l #	70
82) 4-Chlorotoluene	13.95	91	1025929	52.320	ug/l	85
83) tert-Butylbenzene	14.20	119	1145985	49.641	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1063284	51.589	ug/l	93
85) sec-Butylbenzene	14.37	105	1246260	49.237	ug/l	99
86) p-Isopropyltoluene	14.49	119	1105174	48.871	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	612945	49.142	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	602101	49.129	ug/l	99
89) n-Butylbenzene	14.81	91	1052227	51.839	ug/l	96
90) Hexachloroethane	15.01	117	318417	51.777	ug/l	80
91) 1,2-Dichlorobenzene	14.82	146	526161	51.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41378	54.591	ug/l	78

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ClientSampleId :
VSTDCCC050

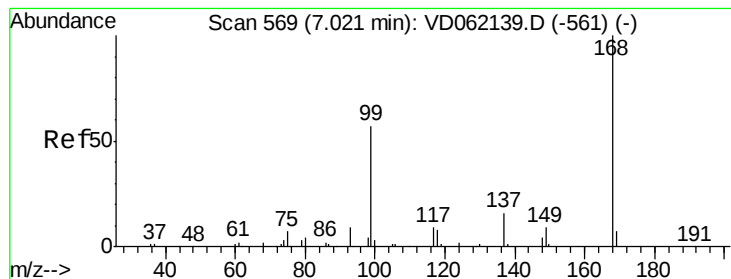
Manual Integrations
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	410872	54.953	ug/l	98
94) Hexachlorobutadiene	16.05	225	321784	57.865	ug/l	98
95) Naphthalene	16.12	128	540968	51.825	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	313556	66.701	ug/l	98

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



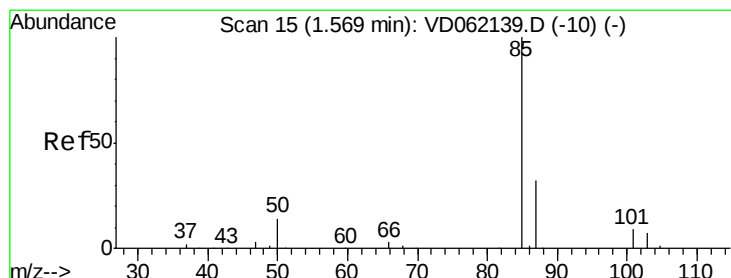
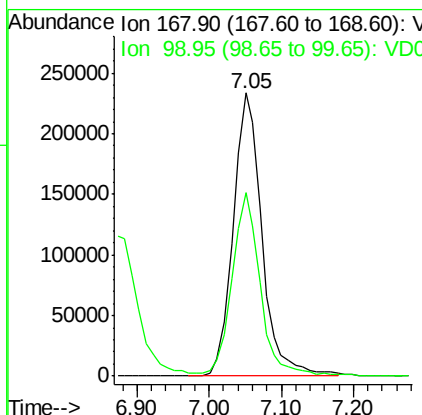
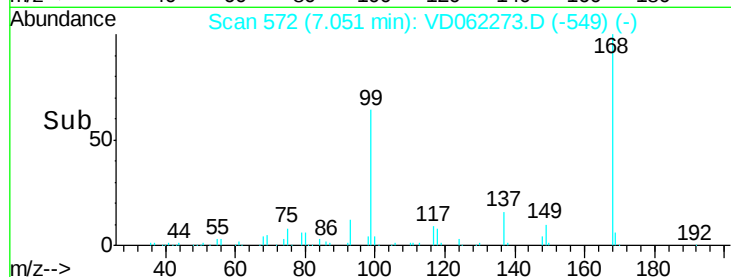
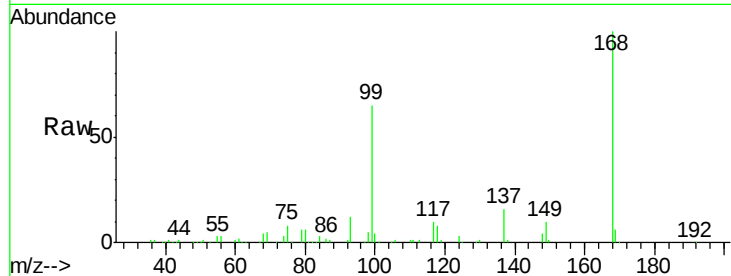
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
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ClientSampleID :
VSTDCCC050

Tot Ion:168 Resp: 649565
Ion Ratio Lower Upper
168 100
99 65.0 46.5 69.7

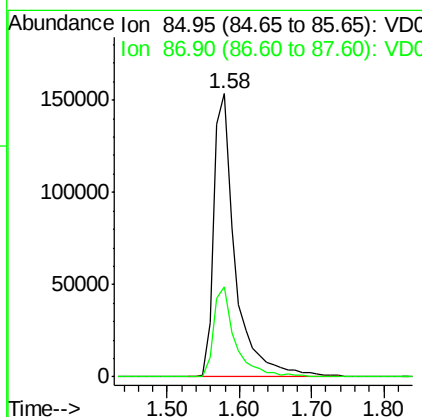
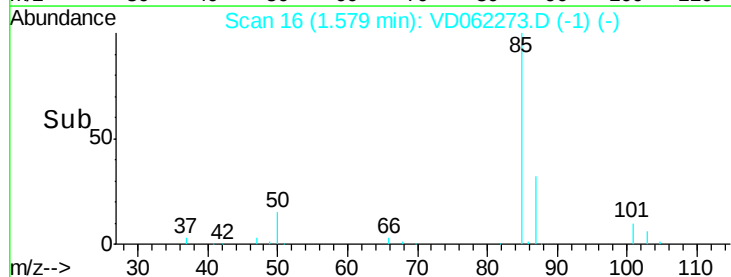
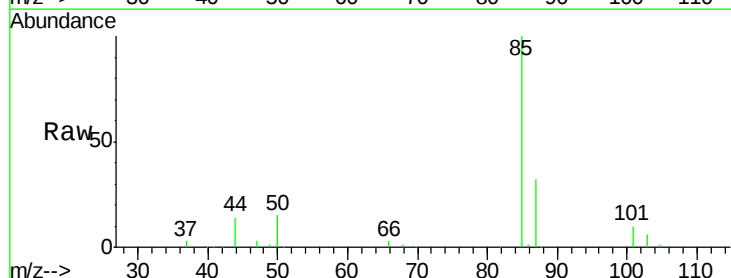
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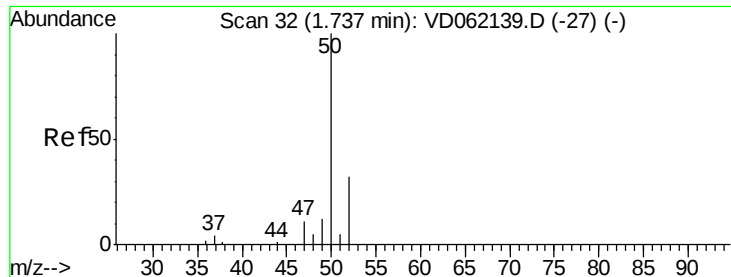
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#2
Dichlorodifluoromethane
Concen: 50.354 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 85 Resp: 312825
Ion Ratio Lower Upper
85 100
87 31.9 16.2 48.6





#3

Chloromethane

Concen: 43.804 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 196638

Ion Ratio Lower Upper

50 100

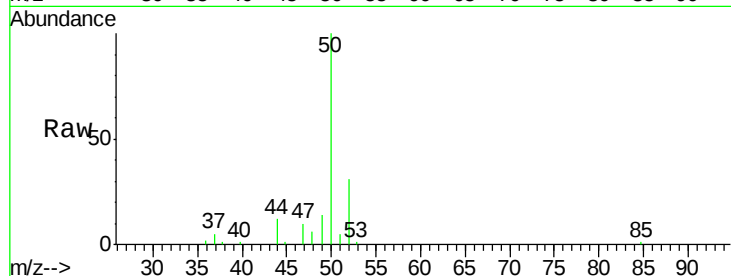
52 30.8 25.2 37.8

Manual Integrations

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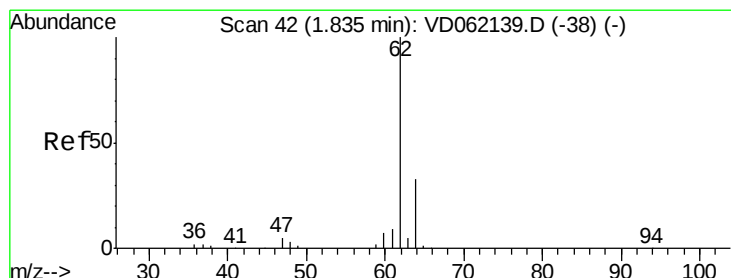
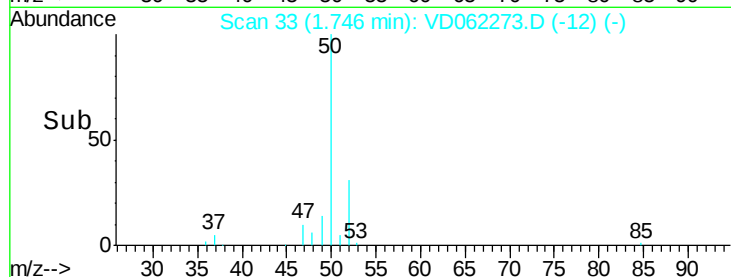
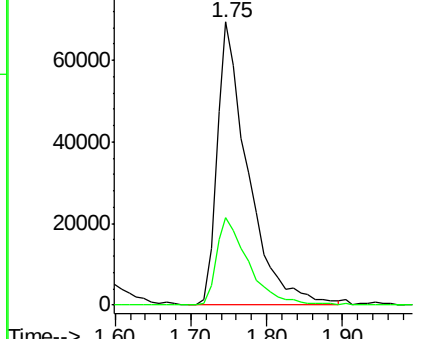
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.120 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062273.D

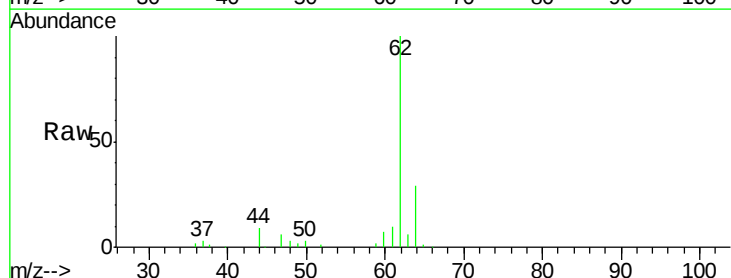
Acq: 12 May 2019 22:41

Tgt Ion: 62 Resp: 190233

Ion Ratio Lower Upper

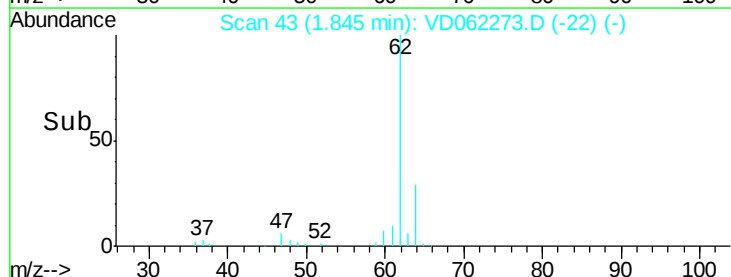
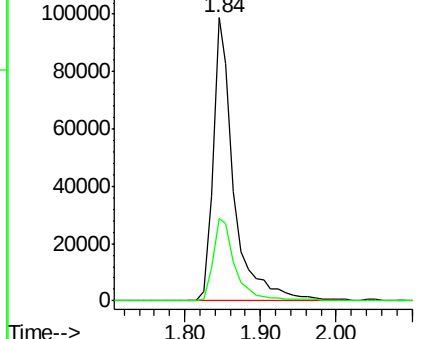
62 100

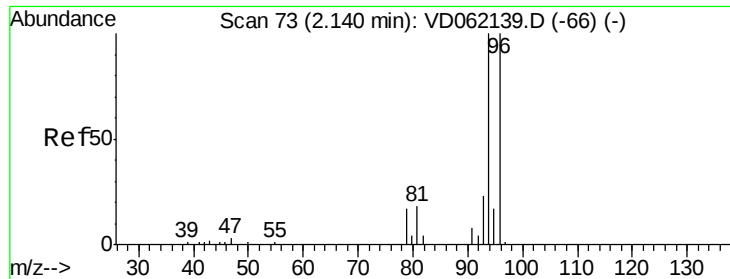
64 29.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 80.029 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

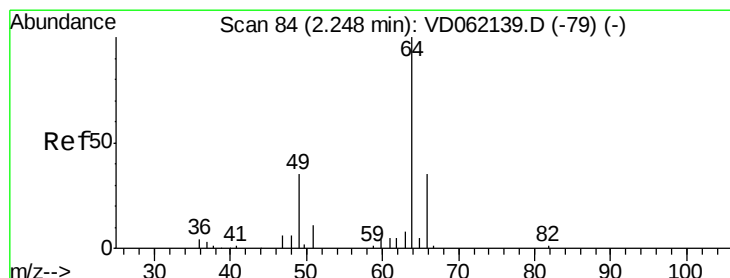
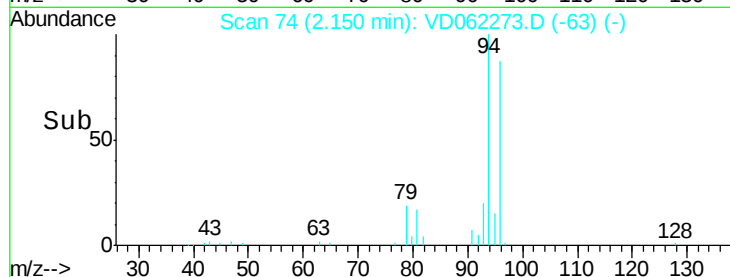
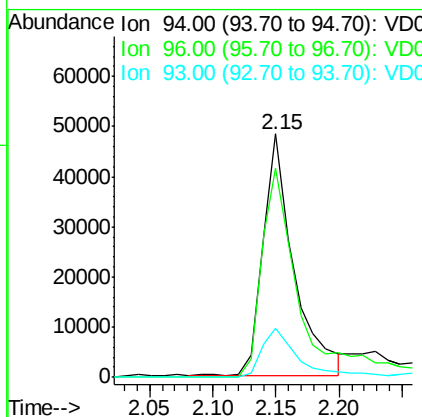
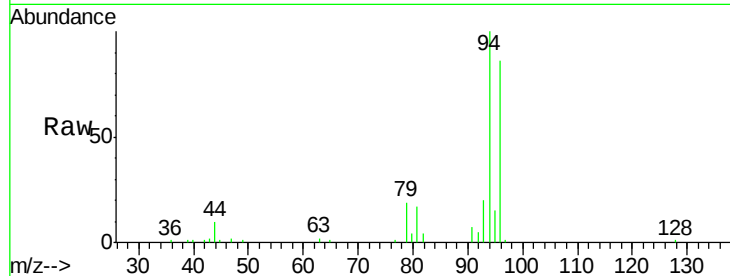
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	82729
Ion	Ratio	Lower	Upper
94	100		
96	85.6	76.6	115.0
93	20.0	18.5	27.7

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#6

Chloroethane

Concen: 60.257 ug/l

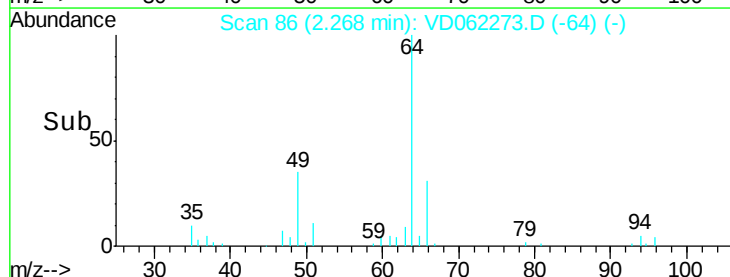
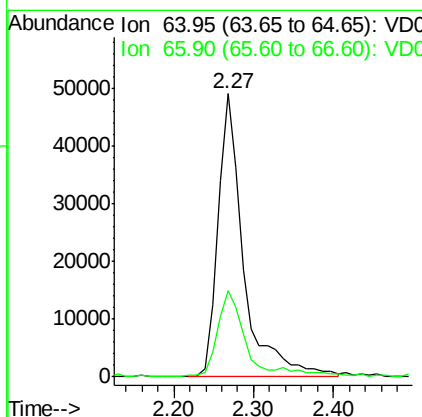
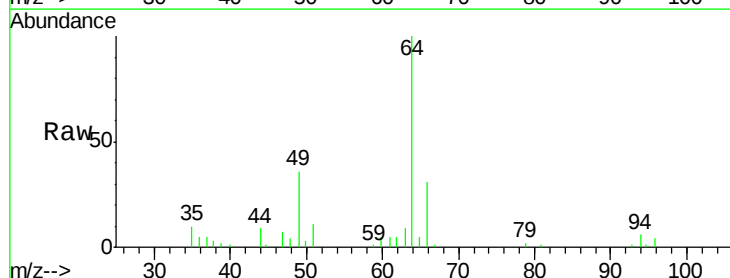
RT: 2.27 min Scan# 86

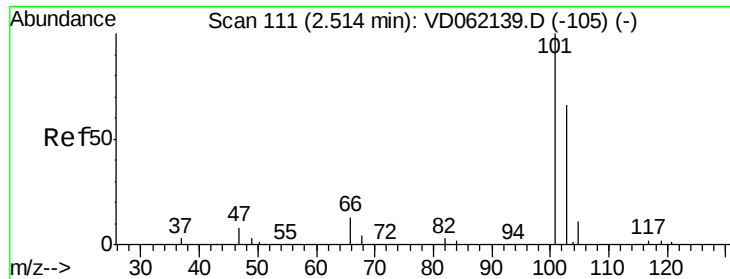
Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion:	64	Resp:	111548
Ion	Ratio	Lower	Upper
64	100		
66	30.6	25.6	38.4





#7

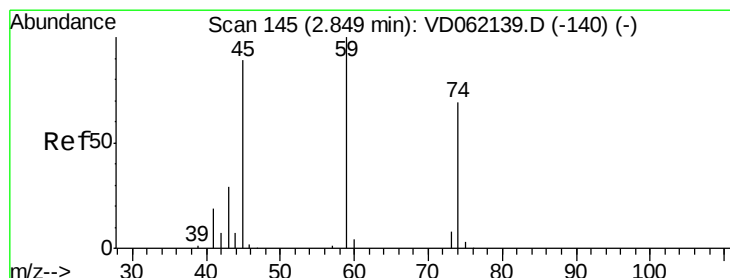
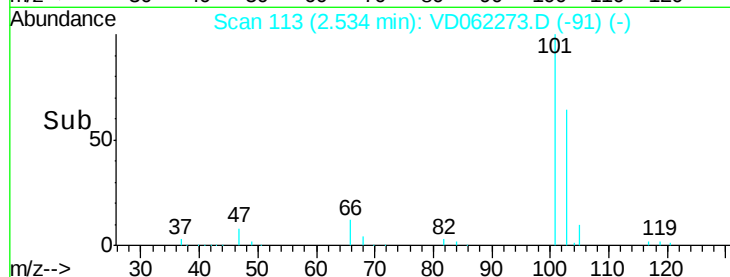
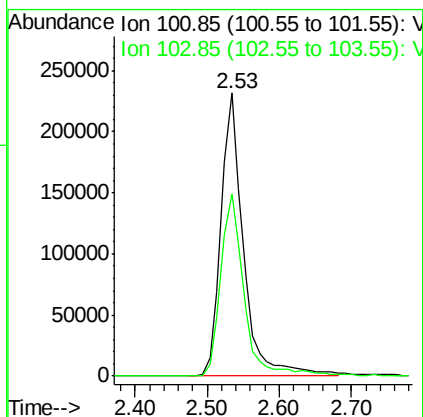
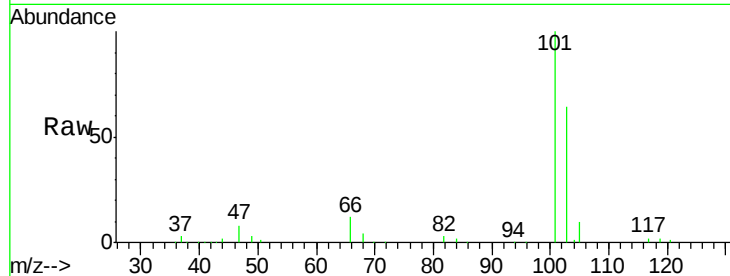
Trichlorofluoromethane
Concen: 58.194 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.6	80.4

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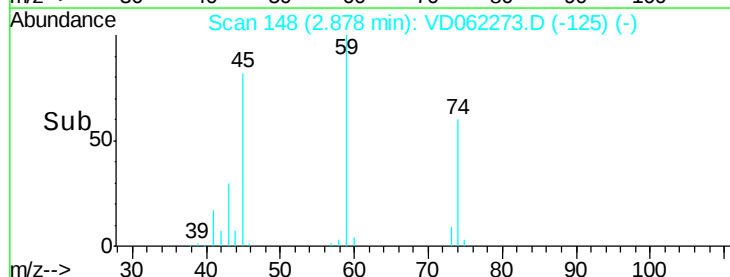
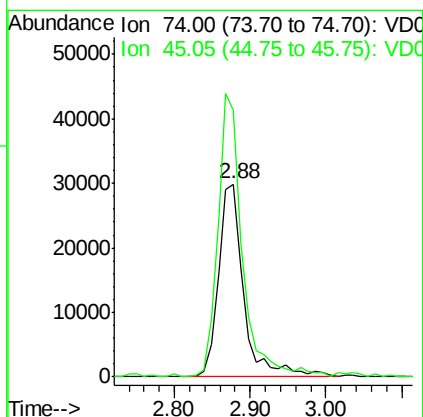
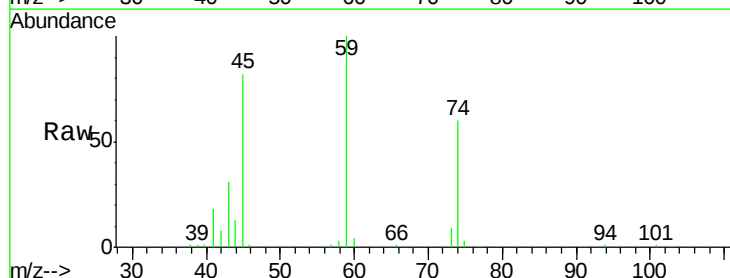
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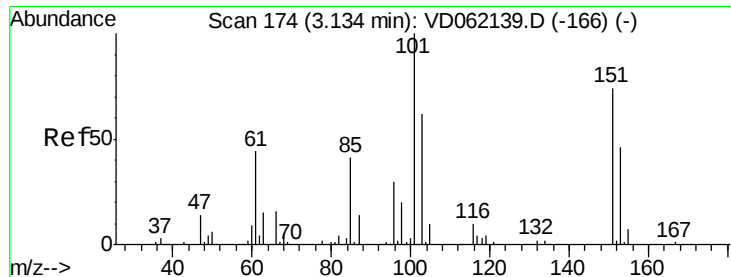


#8

Diethyl Ether
Concen: 42.053 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062273.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.1	56.9	170.7





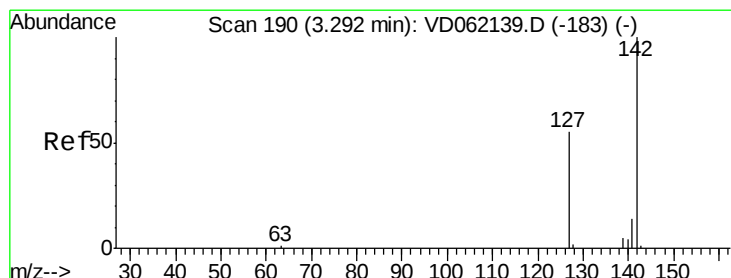
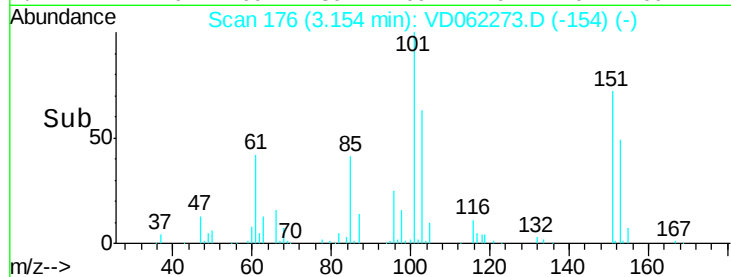
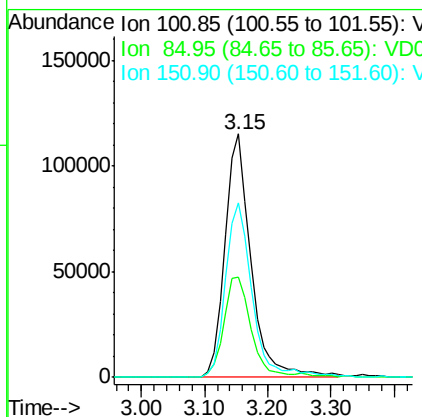
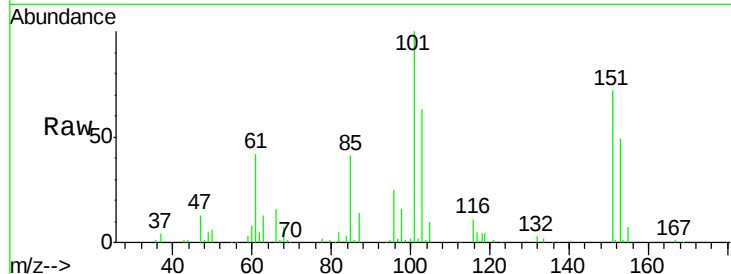
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.080 ug/l
 RT: 3.15 min Scan# 176
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	331422		
85	41.2	32.4	48.6	
151	71.9	59.4	89.0	

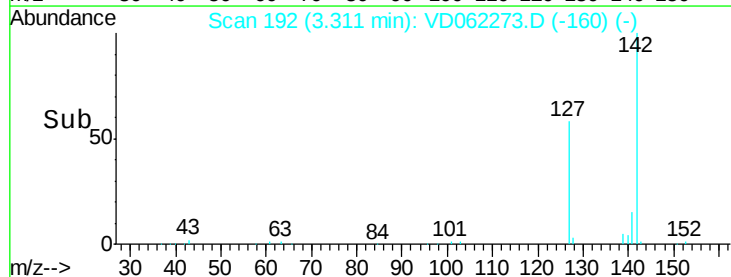
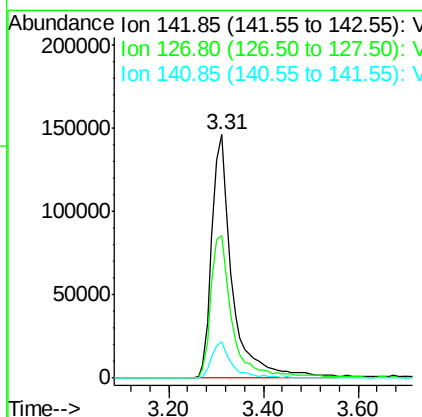
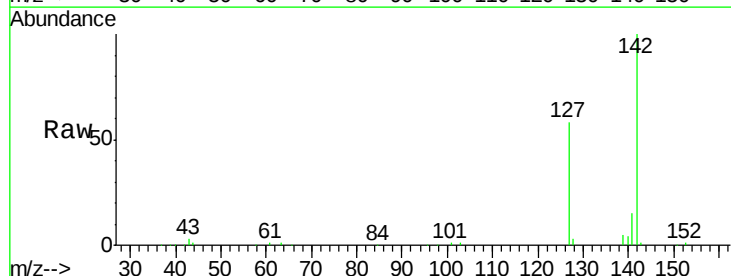
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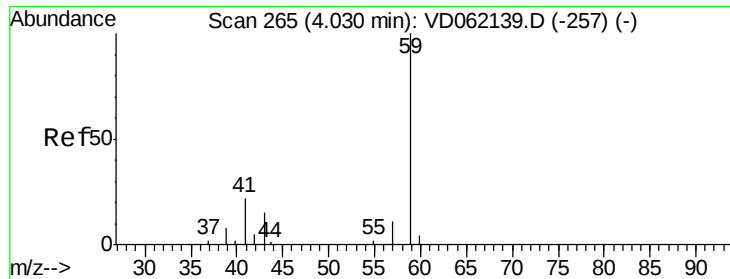
MMDadoda
 5/13/2019 11:55:48 AM



#10
 Methyl Iodide
 Concen: 45.112 ug/l
 RT: 3.31 min Scan# 192
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	442373		
127	58.3	38.8	58.2#	
141	14.7	11.4	17.0	





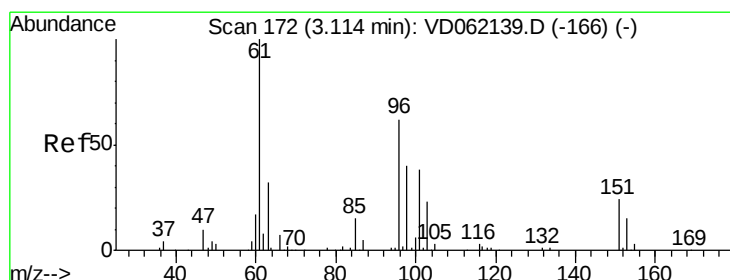
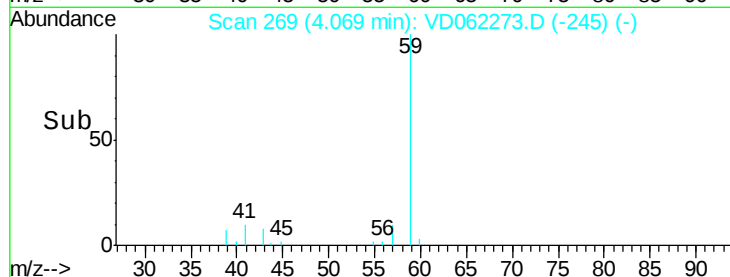
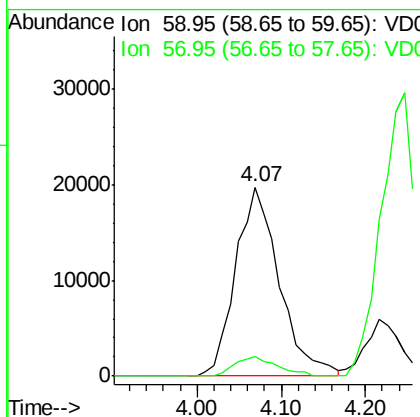
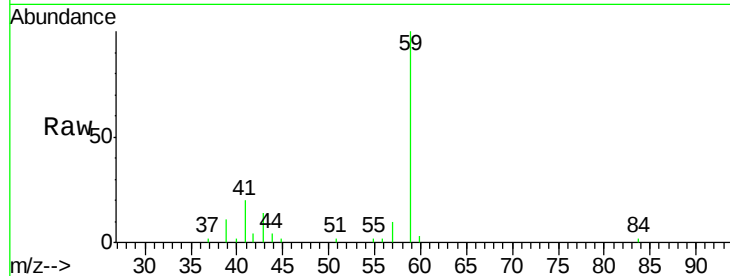
#11
Tert butyl alcohol
Concen: 231.918 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 71461
Ion Ratio Lower Upper
59 100
57 10.4 6.9 10.3#

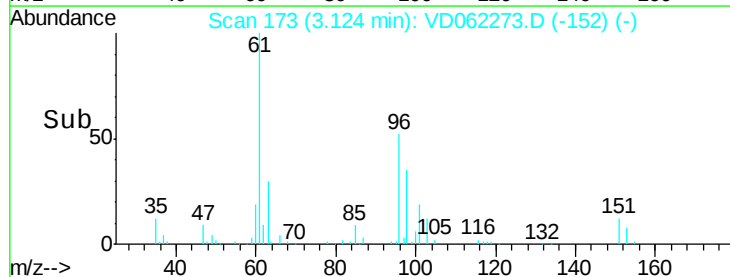
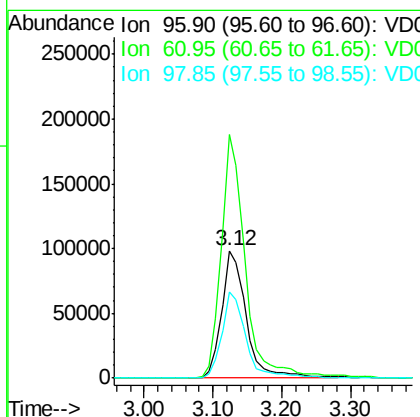
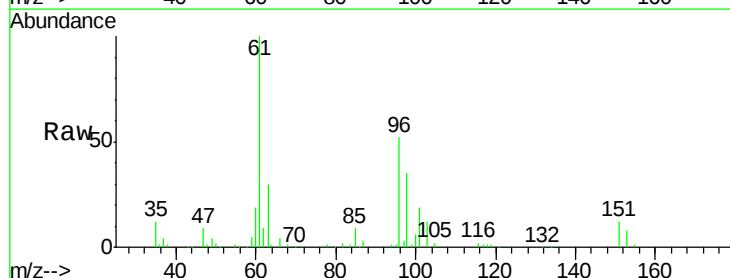
Manual Integrations
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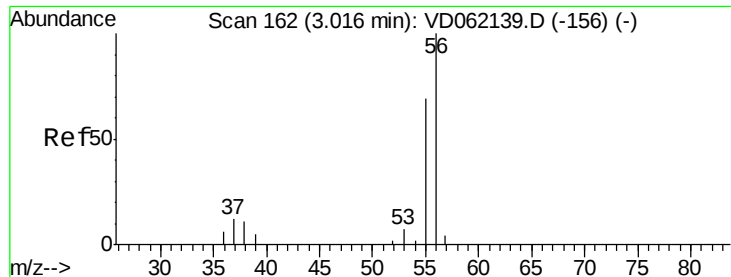
MMDadoda
5/13/2019 11:55:48 AM



#12
1,1-Dichloroethene
Concen: 49.292 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 96 Resp: 244136
Ion Ratio Lower Upper
96 100
61 190.8 129.8 194.8
98 67.1 51.2 76.8





#13

Acrolein

Concen: 201.434 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 64197

Ion Ratio Lower Upper

56 100

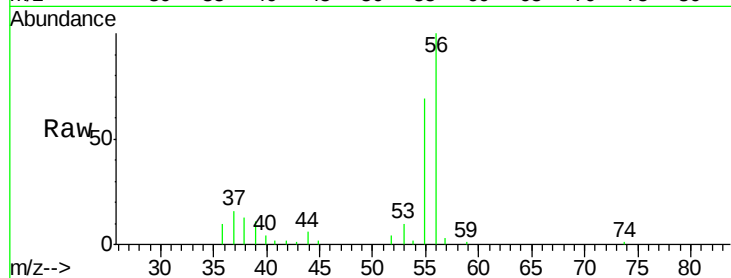
55 68.9 51.4 77.2

Manual Integrations

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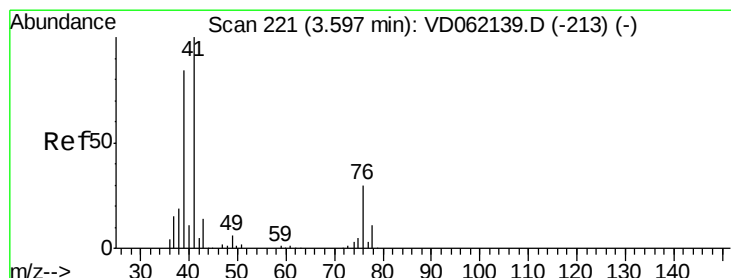
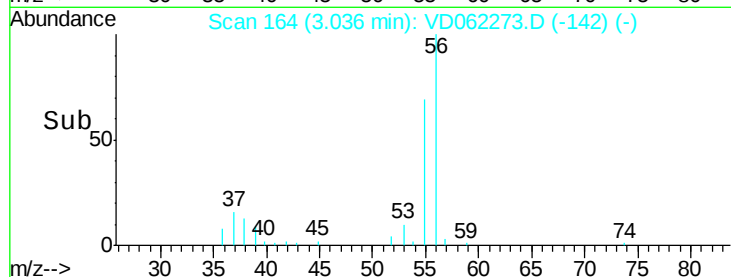
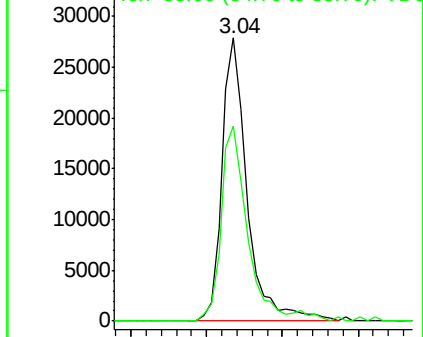
MMDadoda

5/13/2019 11:55:48 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.411 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

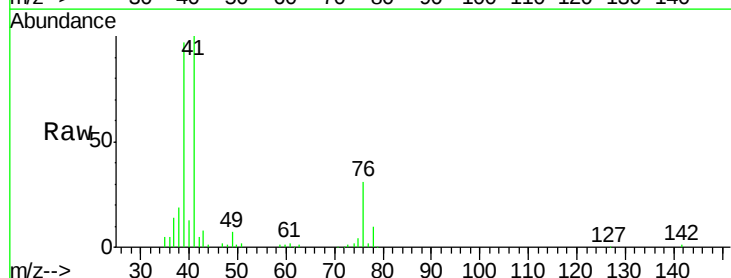
Tgt Ion: 41 Resp: 327017

Ion Ratio Lower Upper

41 100

39 96.6 60.5 90.7#

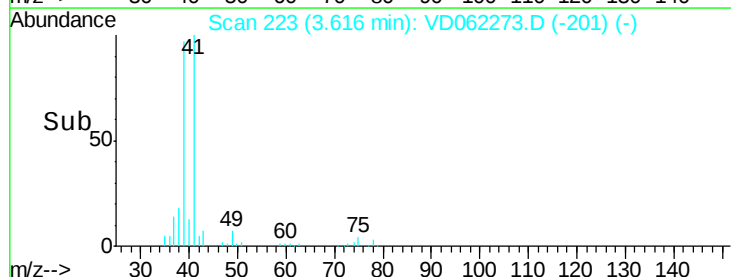
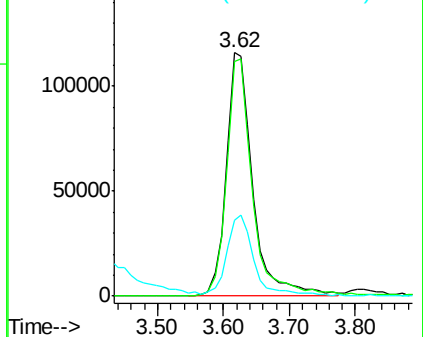
76 31.2 31.8 47.8#

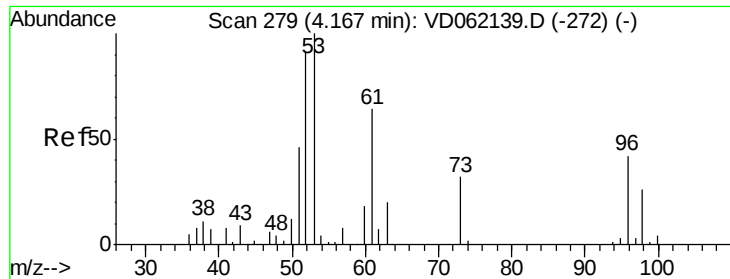


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 229.503 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 185876

Ion Ratio Lower Upper

53 100

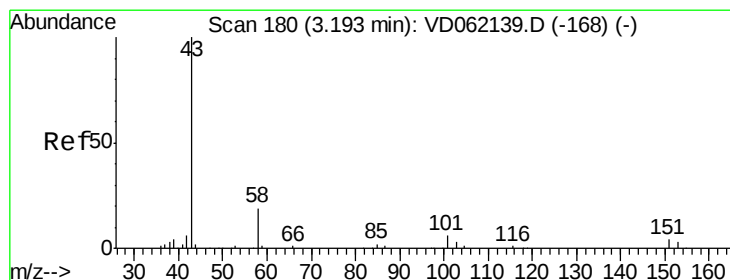
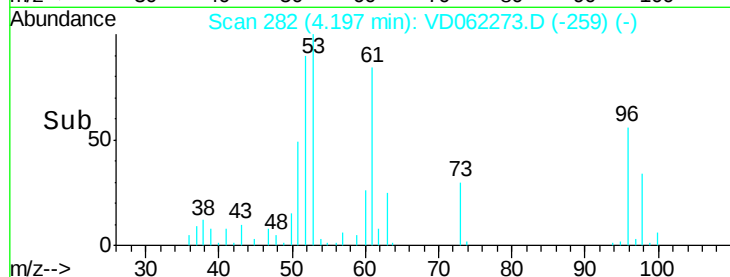
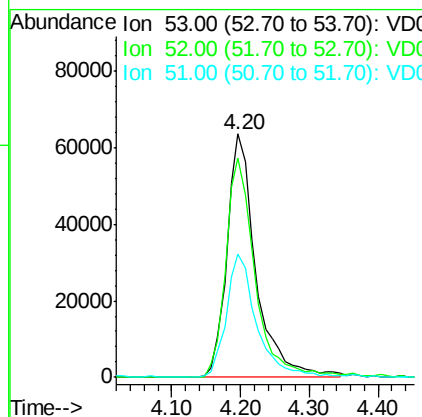
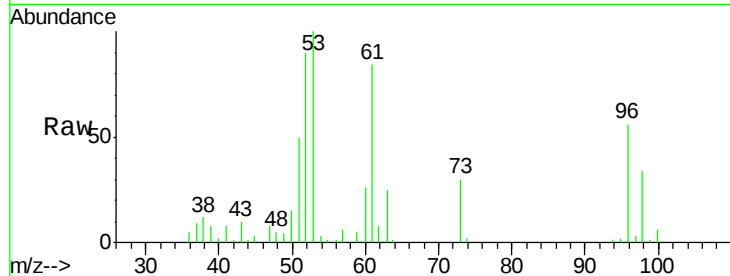
52 90.0 65.0 97.4

51 50.4 32.6 48.8#

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#16

Acetone

Concen: 249.592 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062273.D

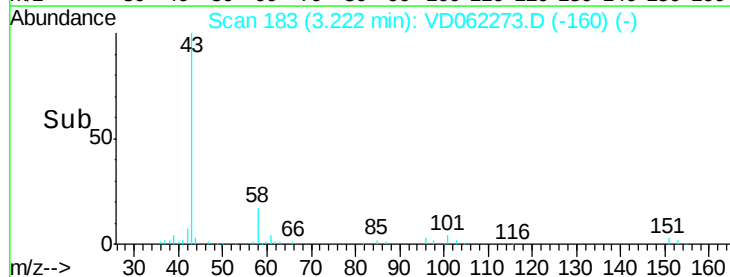
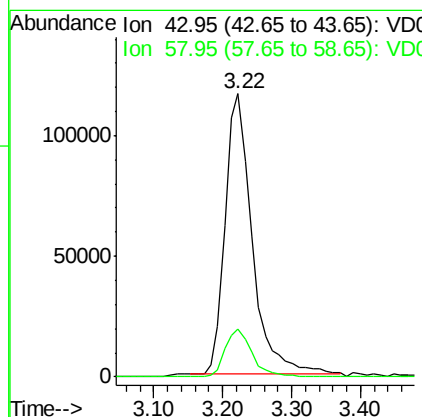
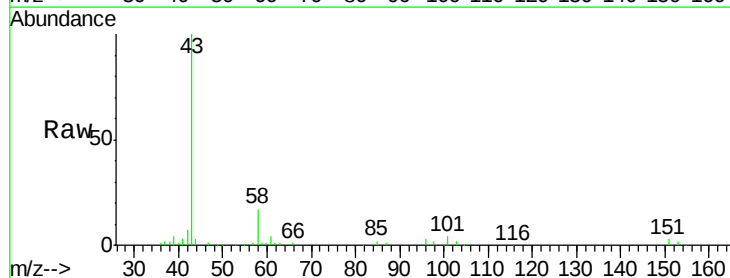
Acq: 12 May 2019 22:41

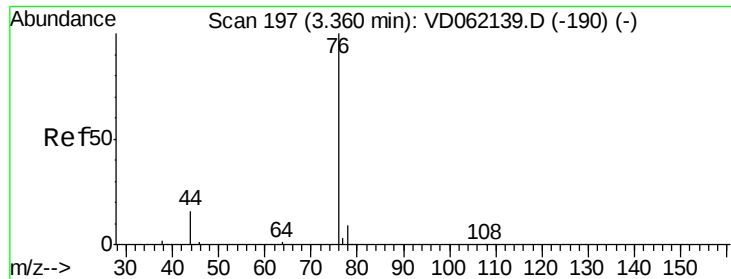
Tgt Ion: 43 Resp: 315962

Ion Ratio Lower Upper

43 100

58 17.1 19.9 29.9#





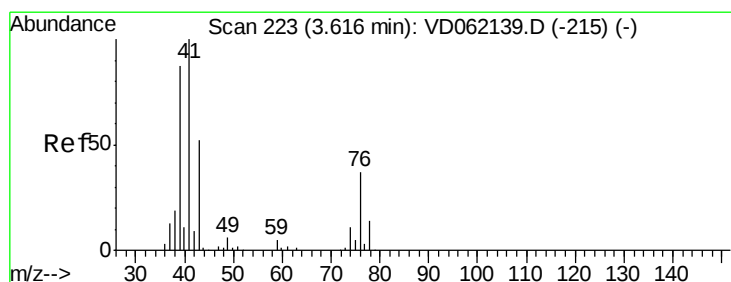
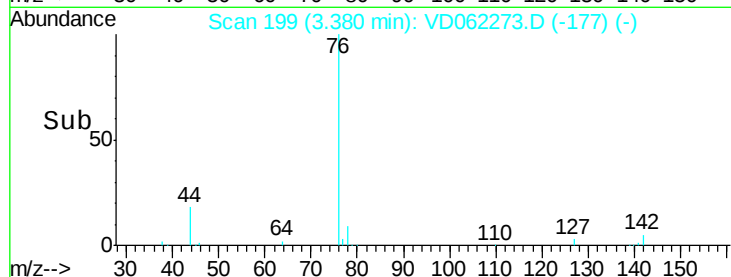
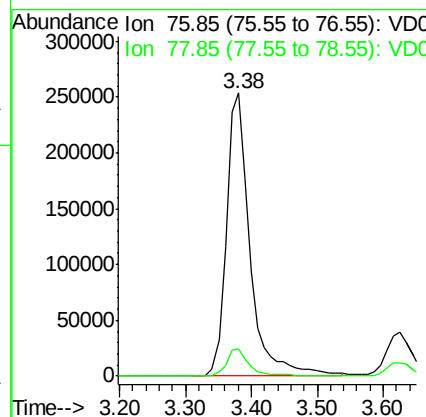
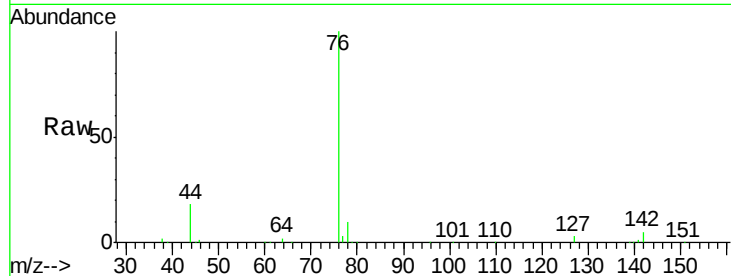
#17
Carbon Disulfide
Concen: 44.643 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

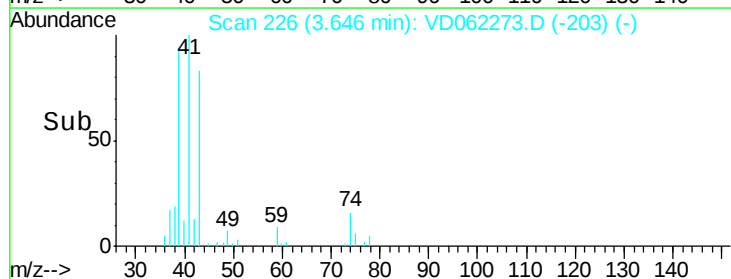
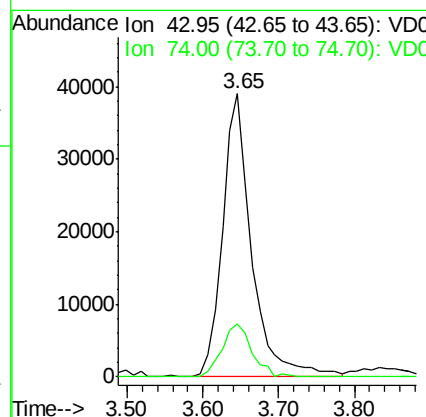
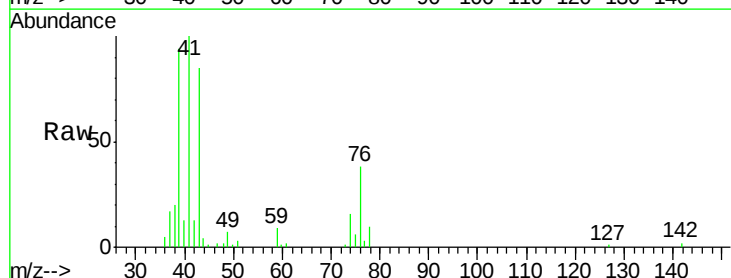
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#18
Methyl Acetate
Concen: 45.644 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	18.0	27.0





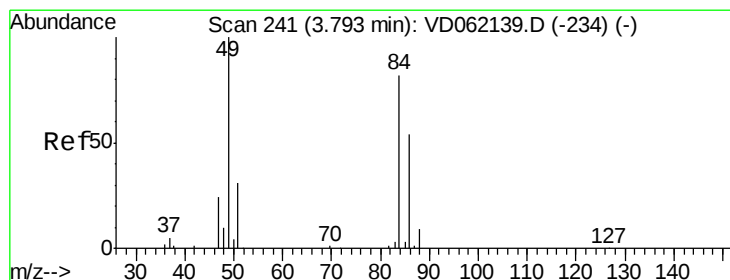
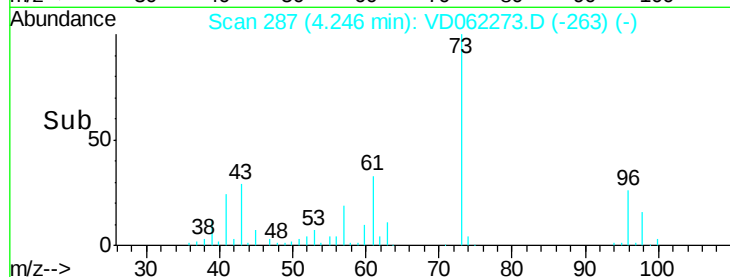
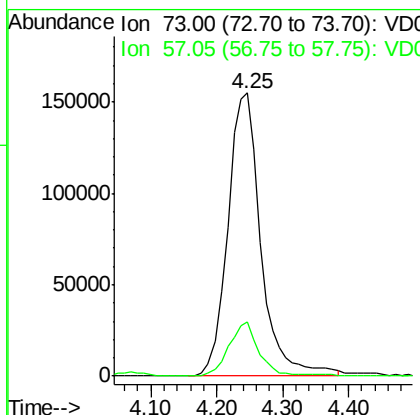
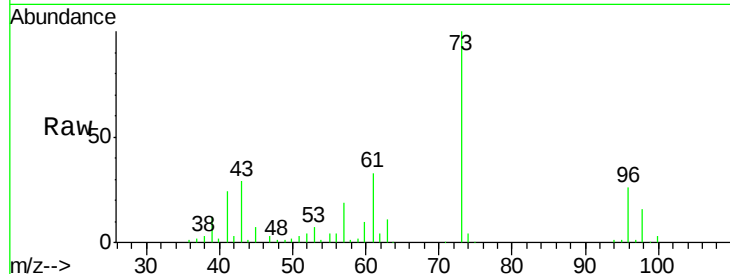
#19
Methvl tert-butvl Ether
Concen: 51.344 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 545070
Ion Ratio Lower Upper
73 100
57 19.1 16.3 24.5

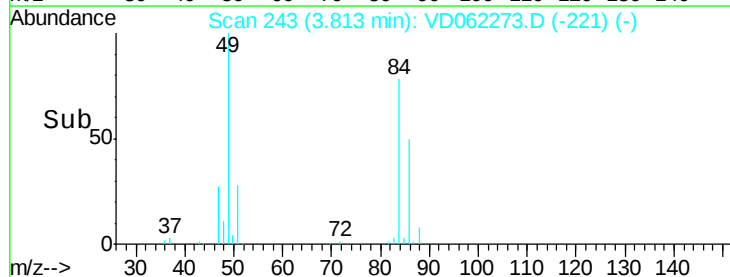
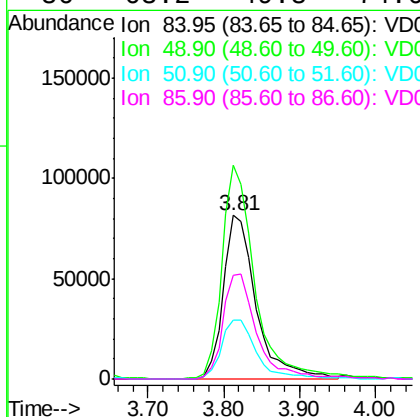
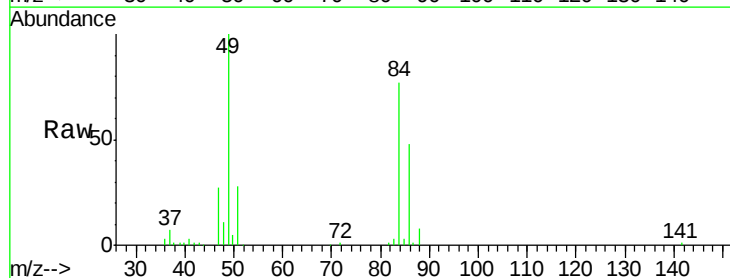
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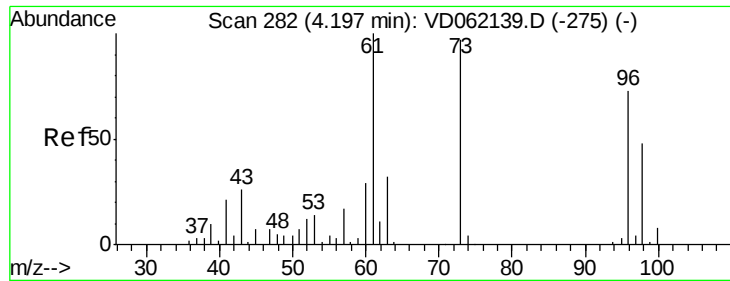
MMDadoda
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#20
Methylene Chloride
Concen: 46.534 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 84 Resp: 245961
Ion Ratio Lower Upper
84 100
49 130.5 94.0 141.0
51 36.4 29.0 43.4
86 63.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.532 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 272987

Ion Ratio Lower Upper

96 100

61 139.3 104.4 156.6

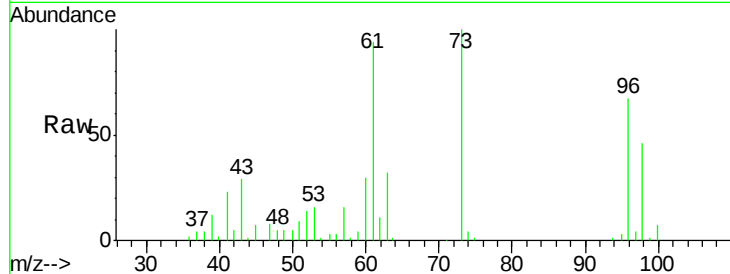
98 67.9 51.8 77.8

Manual Integrations

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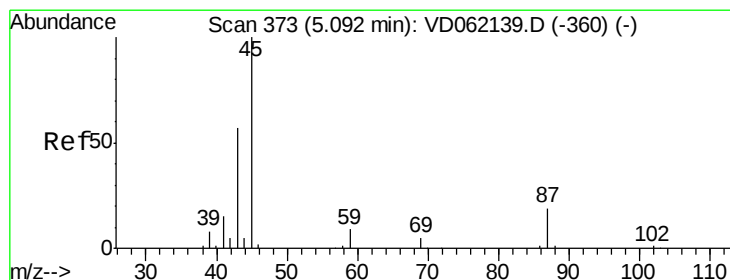
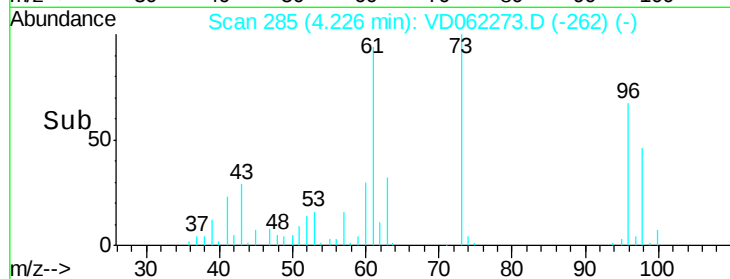
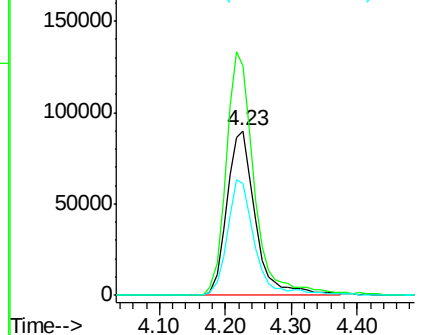
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.698 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion: 45 Resp: 776920

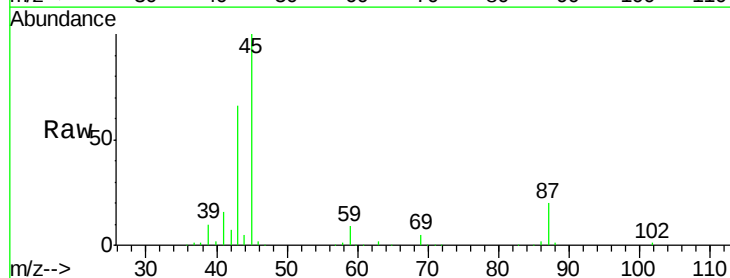
Ion Ratio Lower Upper

45 100

43 66.0 46.2 69.2

87 20.4 15.9 23.9

59 9.4 7.9 11.9

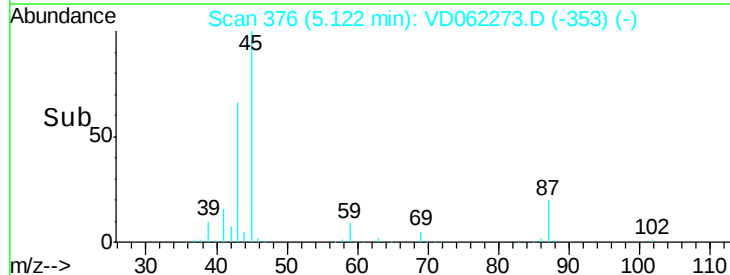
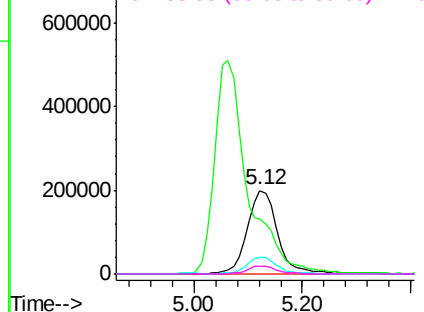


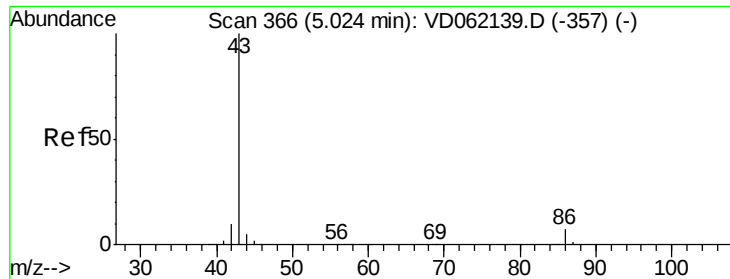
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 265.735 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2148546

Ion Ratio Lower Upper

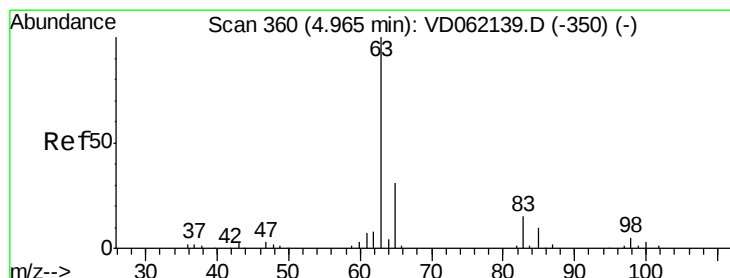
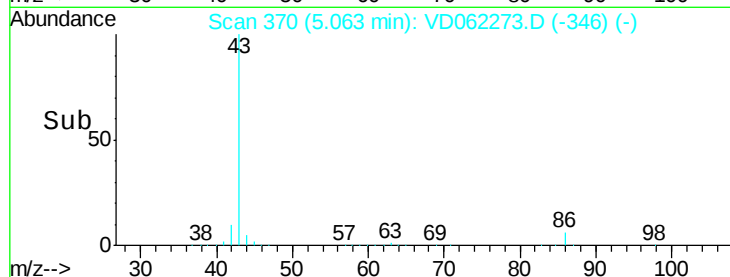
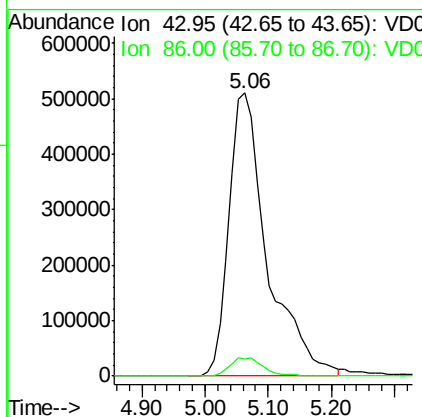
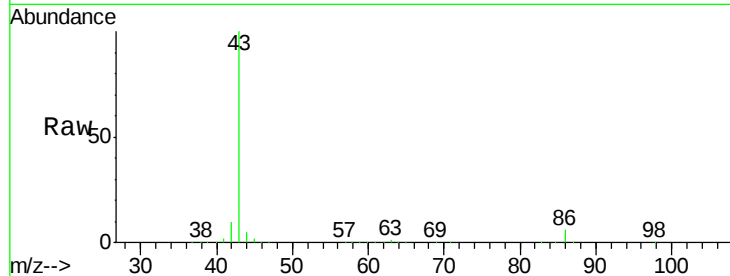
43 100

86 6.1 6.4 9.6#

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#24

1,1-Dichloroethane

Concen: 51.611 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

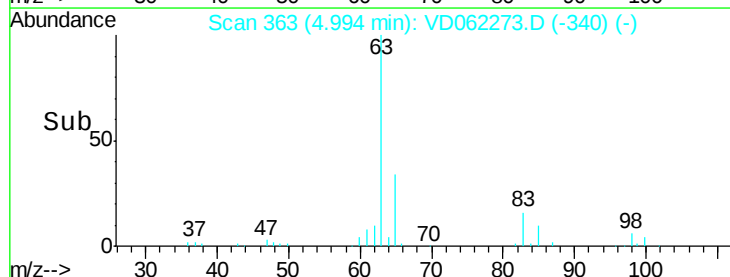
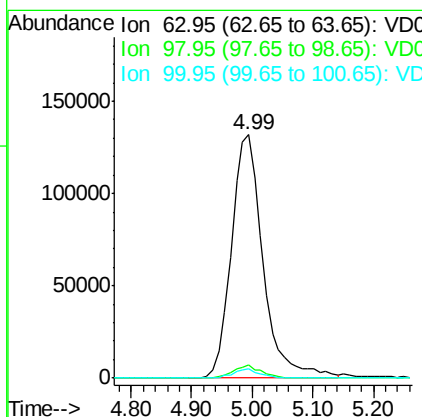
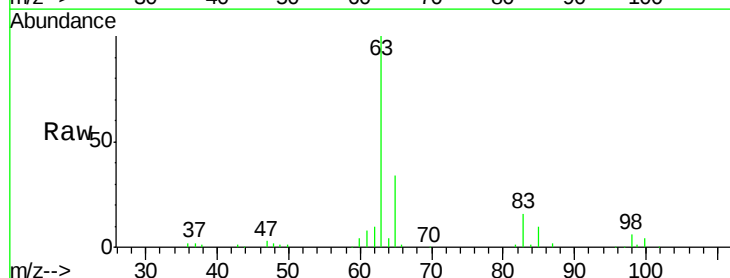
Tgt Ion: 63 Resp: 477122

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 247.831 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 342207

Ion Ratio Lower Upper

43 100

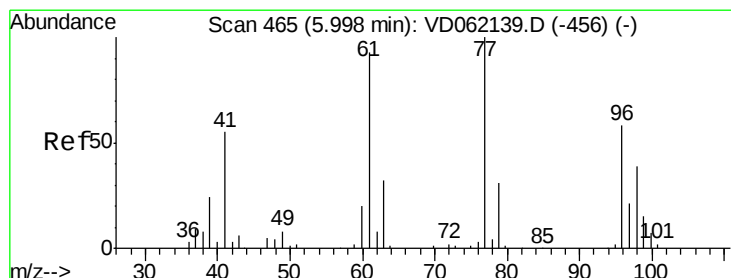
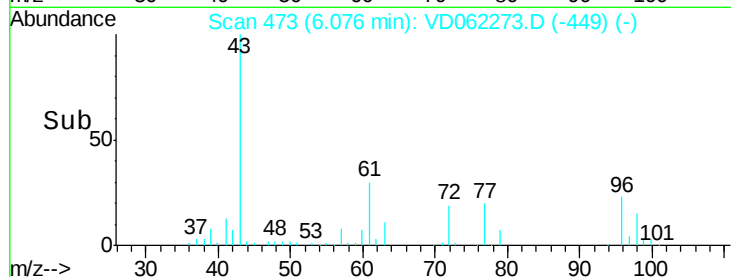
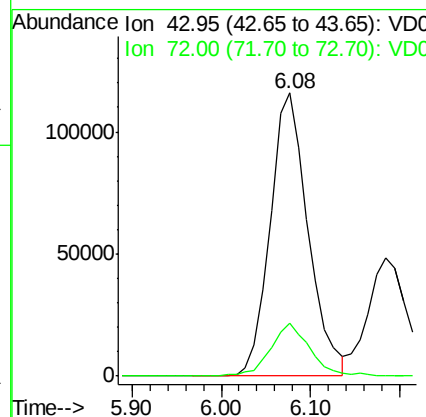
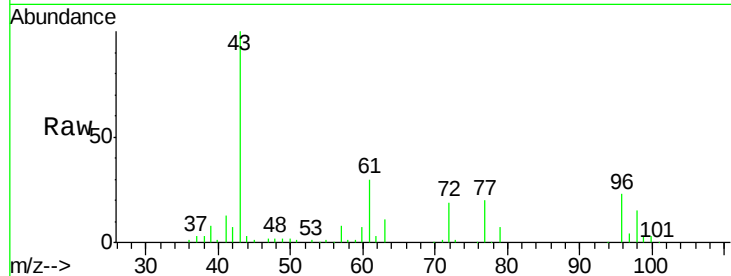
72 18.6 16.2 24.4

Manual Integrations

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5/13/2019 11:55:48 AM



#26

2,2-Dichloropropane

Concen: 51.672 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062273.D

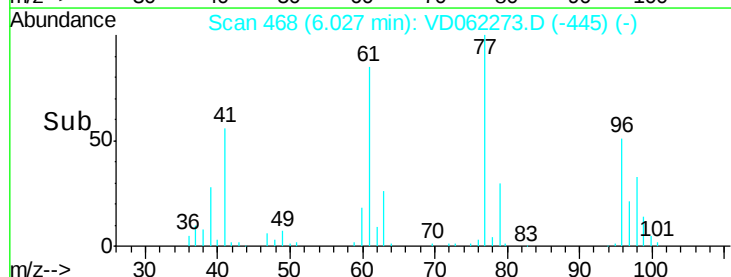
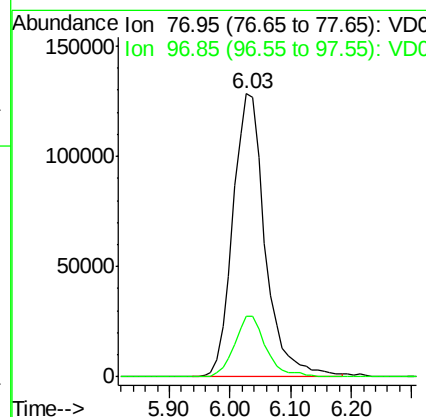
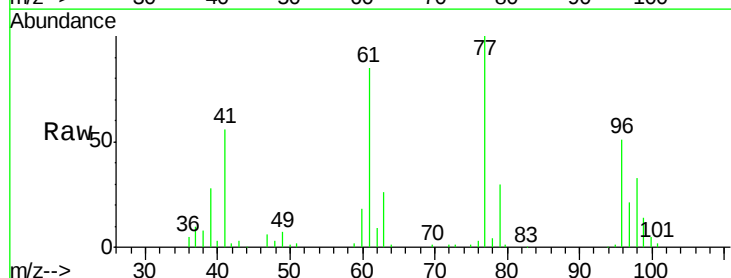
Acq: 12 May 2019 22:41

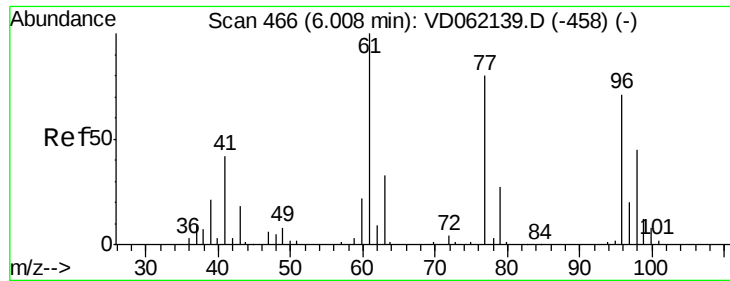
Tgt Ion: 77 Resp: 475830

Ion Ratio Lower Upper

77 100

97 21.3 11.9 35.9





#27

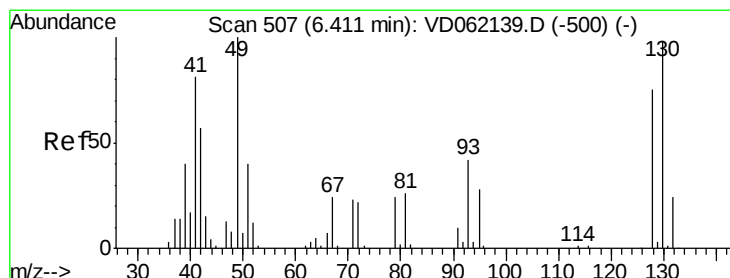
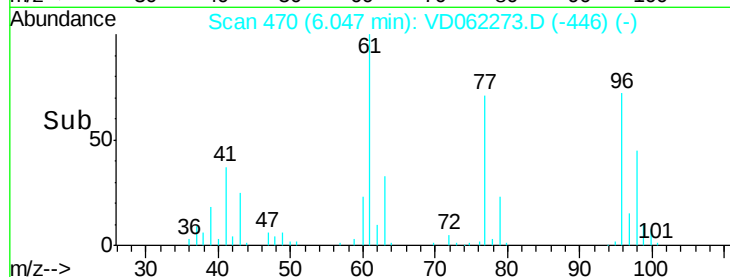
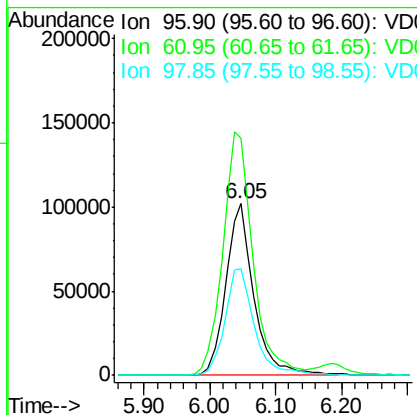
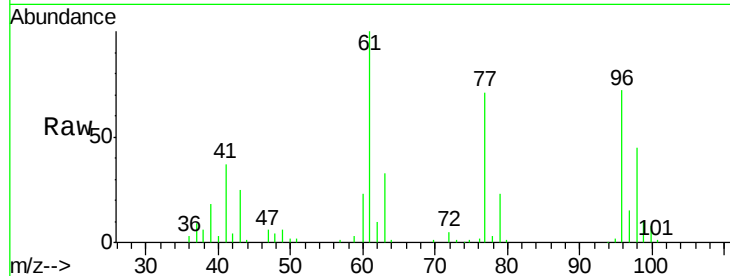
cis-1,2-Dichloroethene
Concen: 49.163 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	303290		
61	138.4	0.0	279.8	
98	62.0	0.0	136.0	

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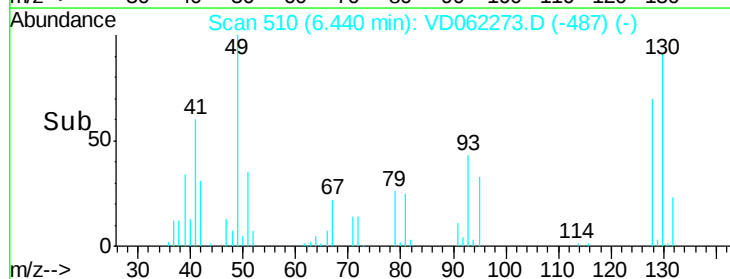
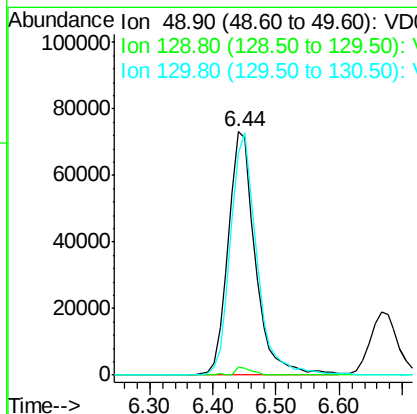
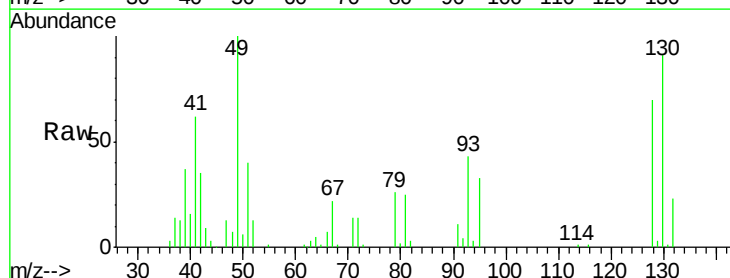
MMDadoda
5/13/2019 11:55:48 AM

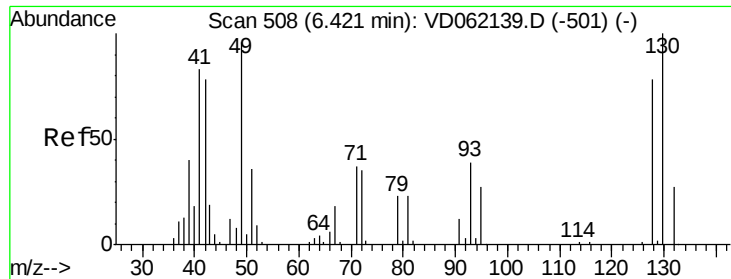


#28

Bromochloromethane
Concen: 59.696 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217125		
129	3.1	0.0	6.6	
130	91.1	86.7	130.1	





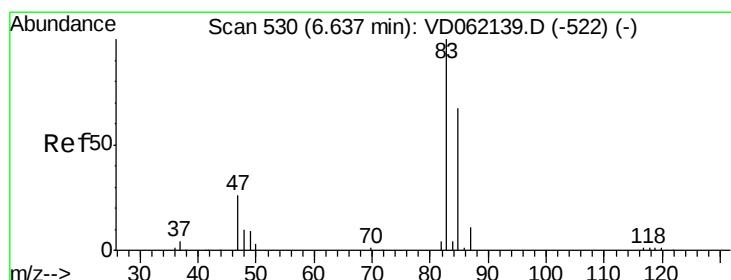
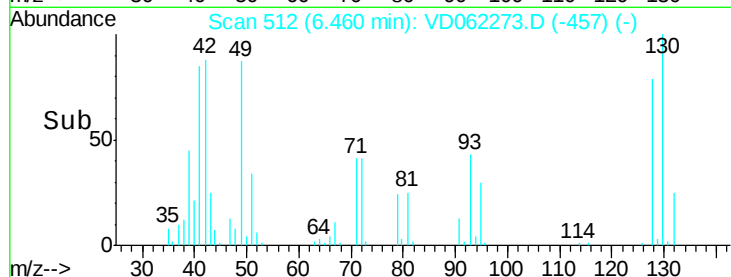
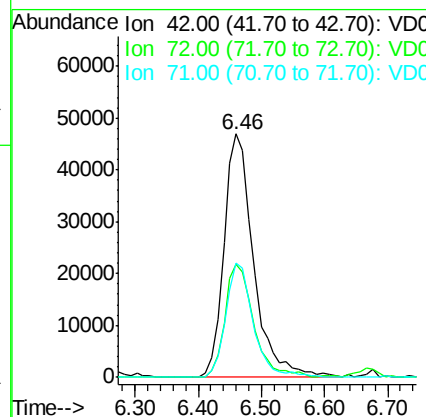
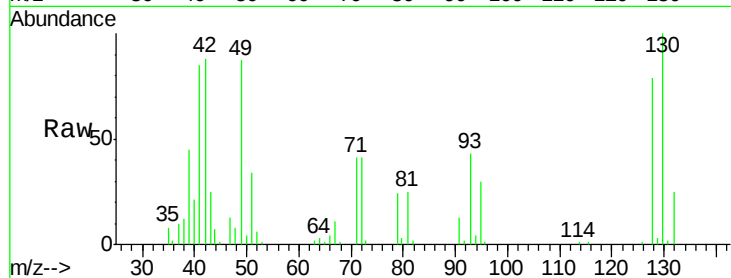
#29
Tetrahydrofuran
Concen: 240.531 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.8	56.6
71	43.6	36.7	55.1

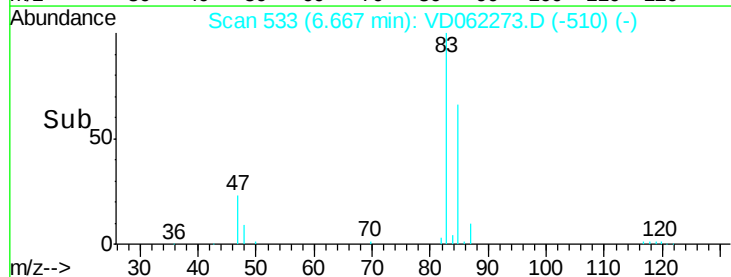
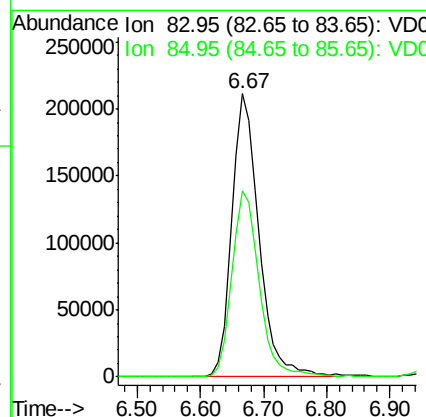
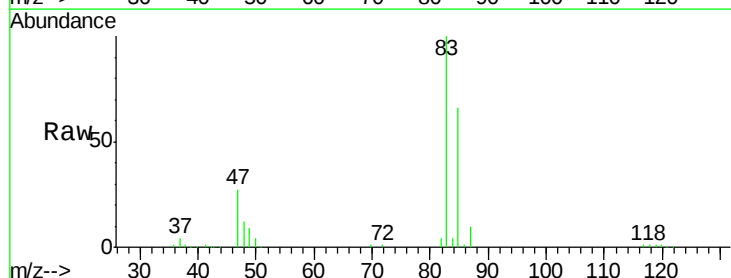
Manual Integrations
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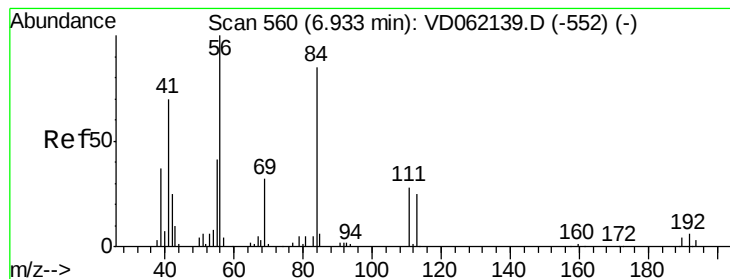
MMDadoda
5/13/2019 11:55:48 AM



#30
Chloroform
Concen: 56.424 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.7	77.5





#31

Cyclohexane

Concen: 46.442 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

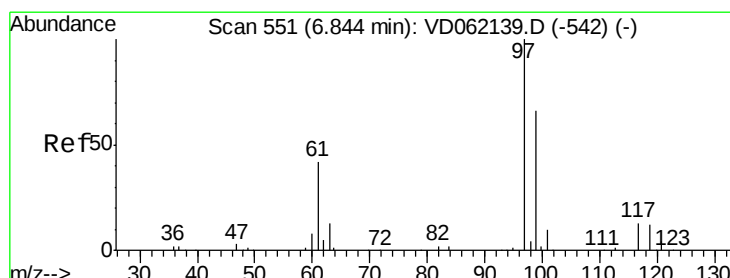
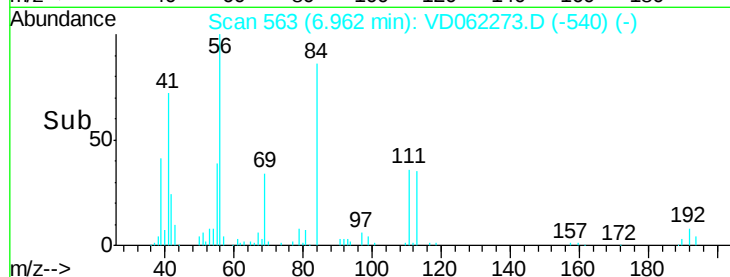
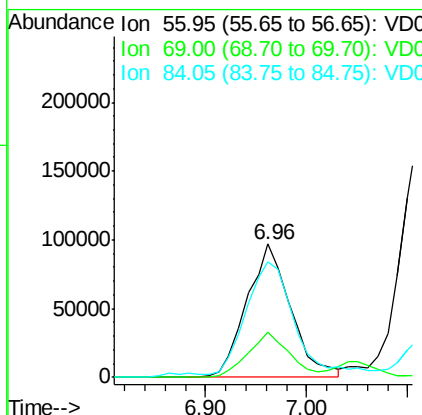
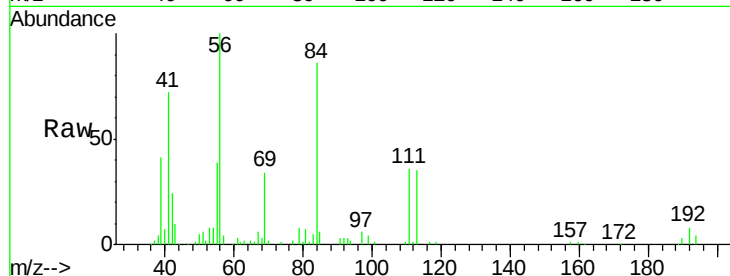
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	294145
Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.8	38.6
84	86.4	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.783 ug/l

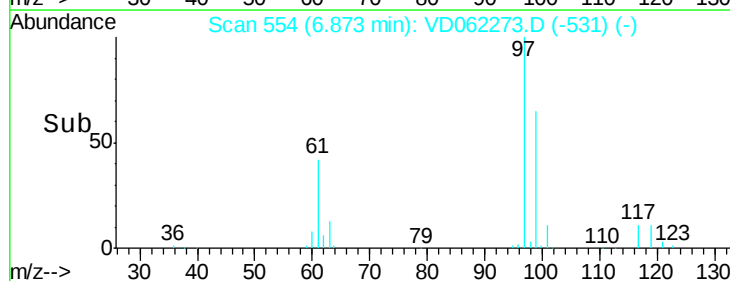
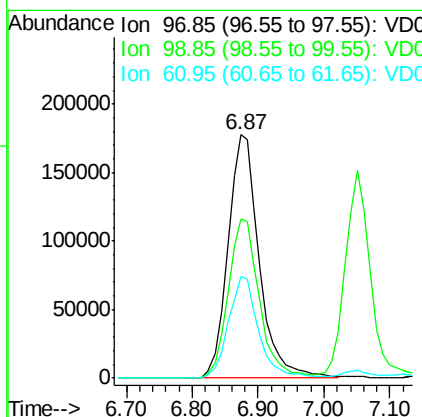
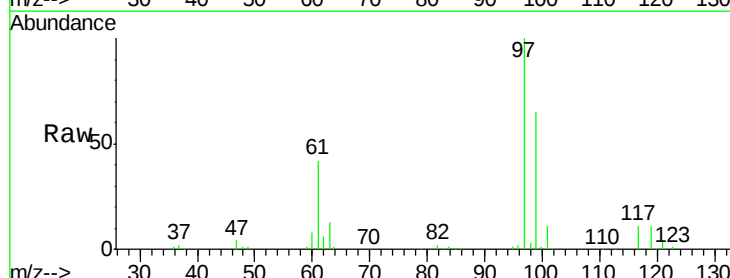
RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion:	97	Resp:	587437
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.2
61	41.8	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 54.015 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 326062

Ion Ratio Lower Upper

65 100

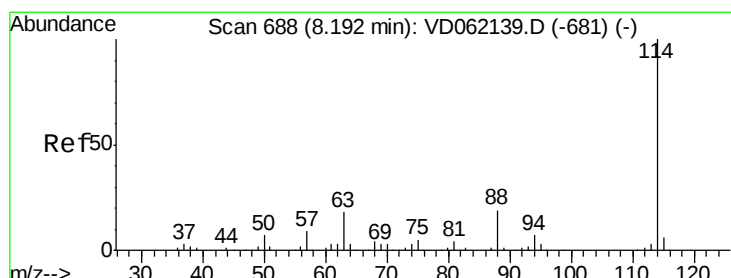
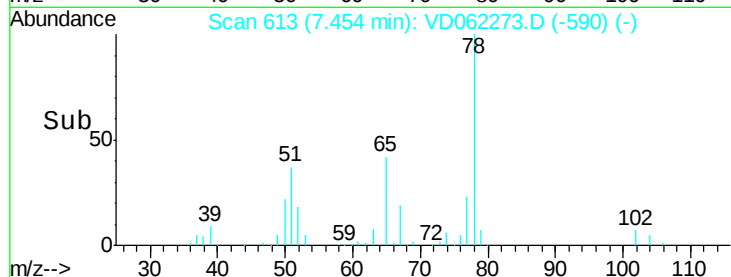
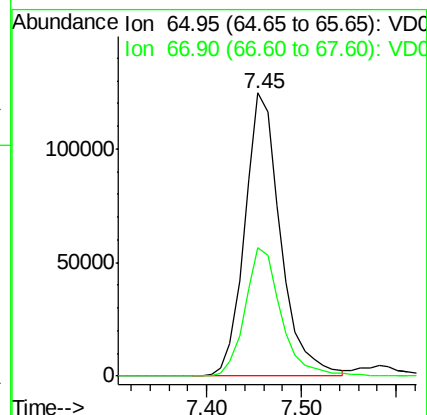
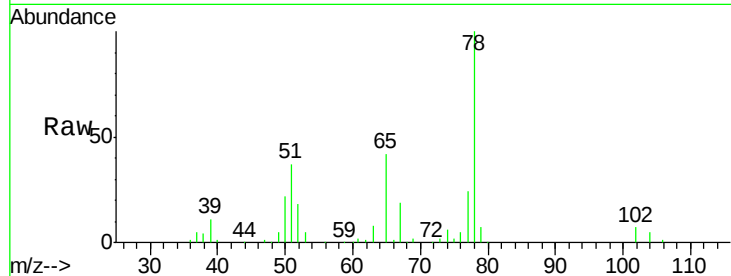
67 45.4 0.0 98.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

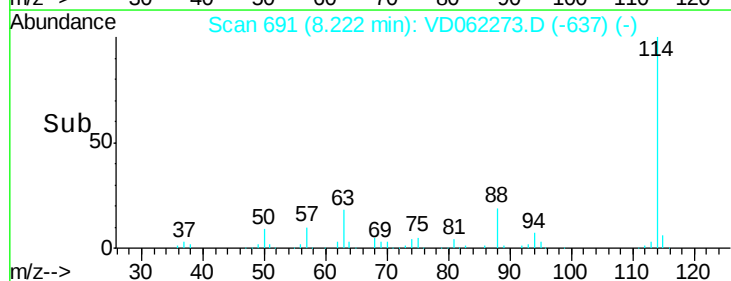
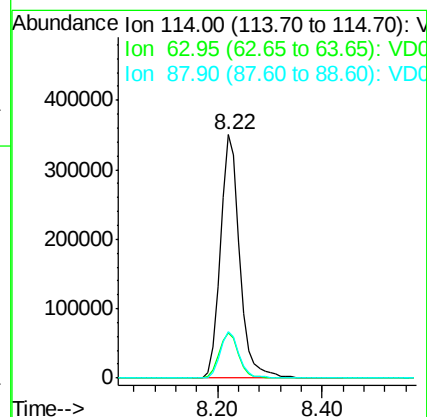
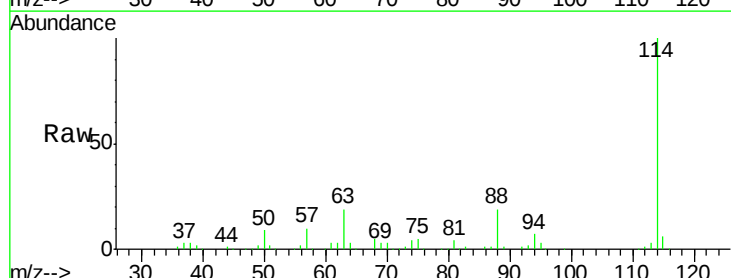
Tgt Ion: 114 Resp: 896988

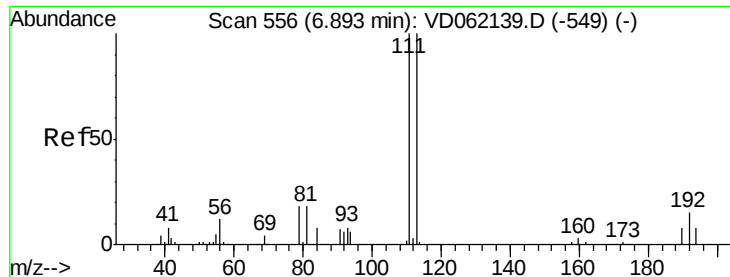
Ion Ratio Lower Upper

114 100

63 18.5 0.0 32.4

88 18.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.163 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

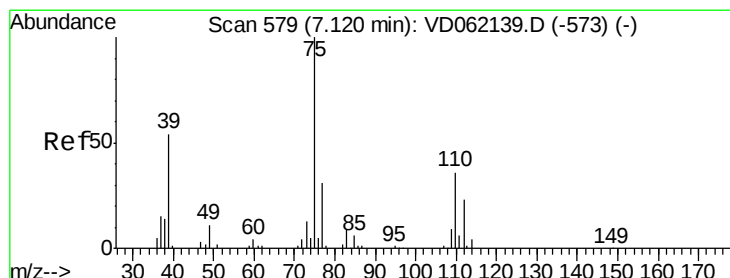
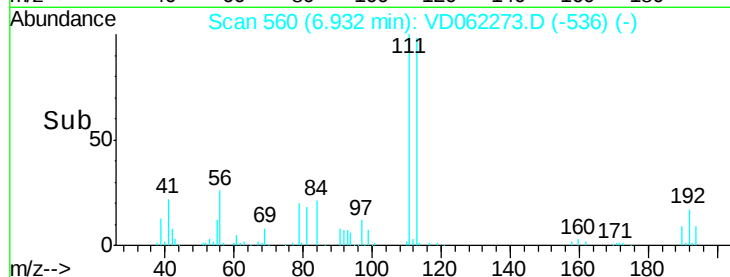
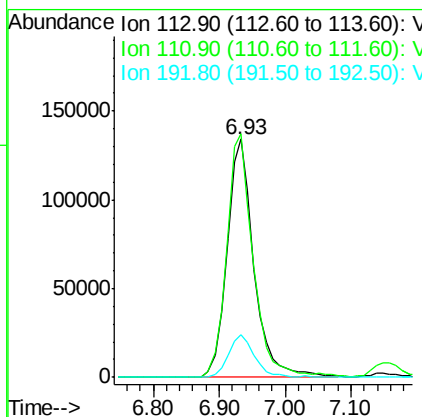
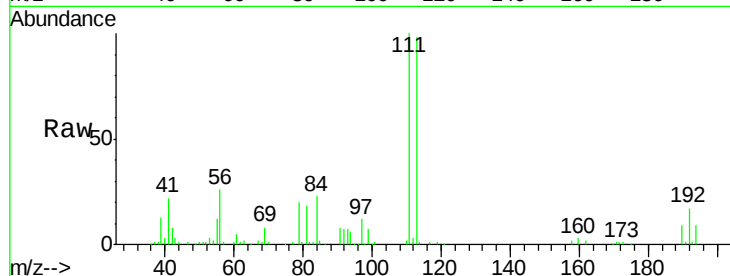
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	380775
Ion	Ratio	Lower	Upper
113	100		
111	102.2	78.5	117.7
192	17.8	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.749 ug/l

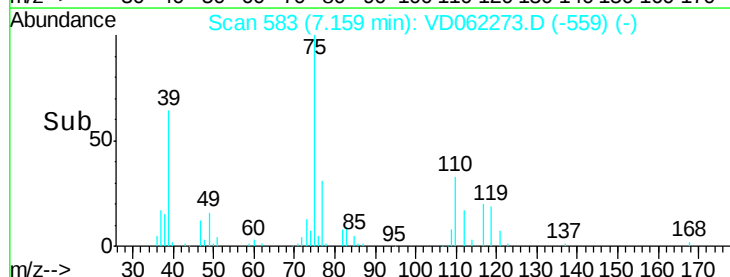
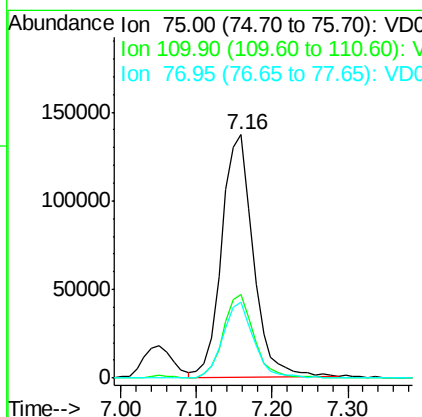
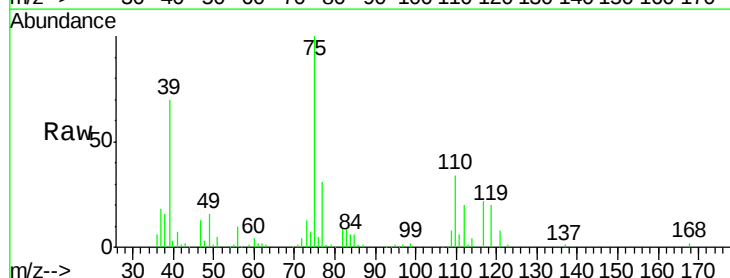
RT: 7.16 min Scan# 583

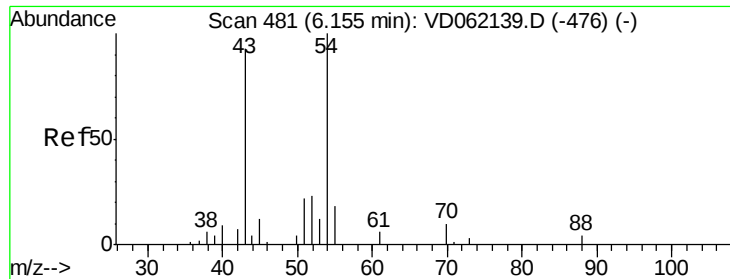
Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion:	75	Resp:	395297
Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.1
77	31.0	25.6	38.4





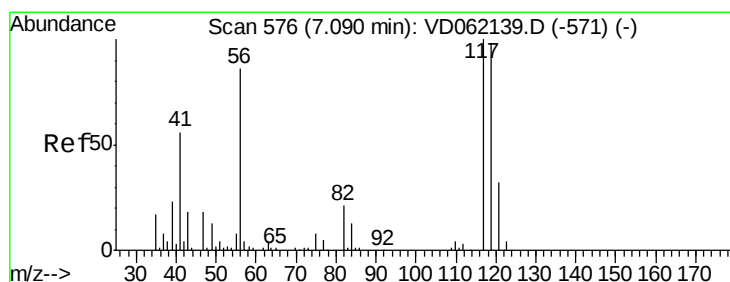
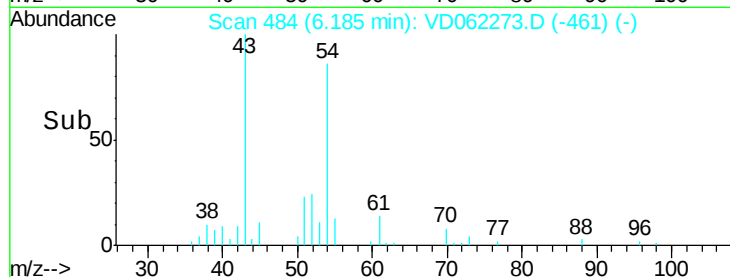
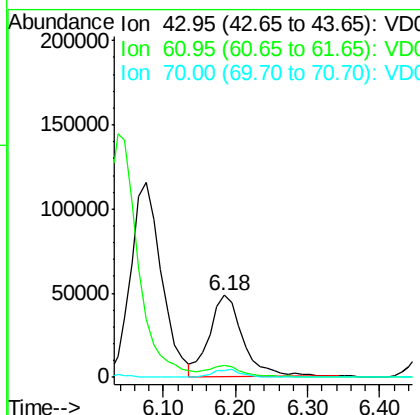
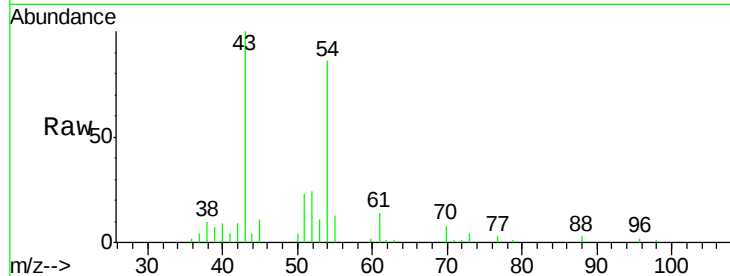
#37
Ethyl Acetate
Concen: 49.874 ug/l
RT: 6.18 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	14.7	22.1#
70	8.2	7.8	11.6

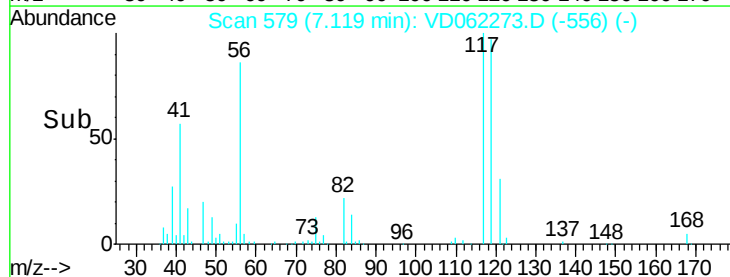
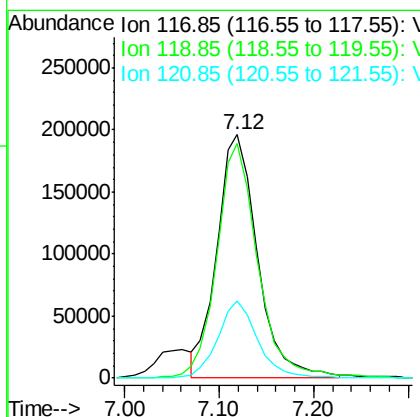
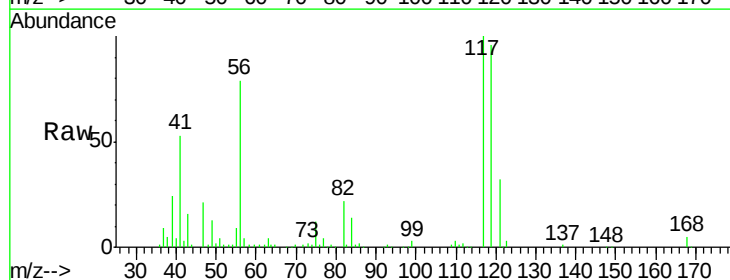
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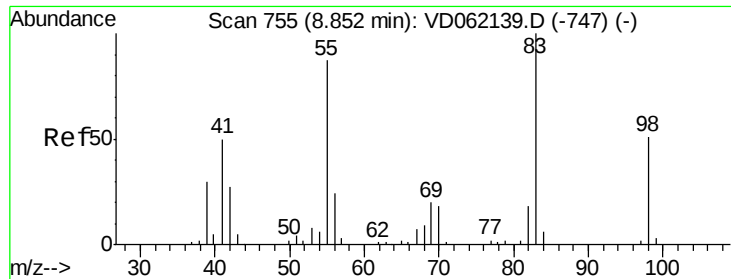
MMDadoda
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#38
Carbon Tetrachloride
Concen: 57.802 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
121	31.8	25.9	38.9





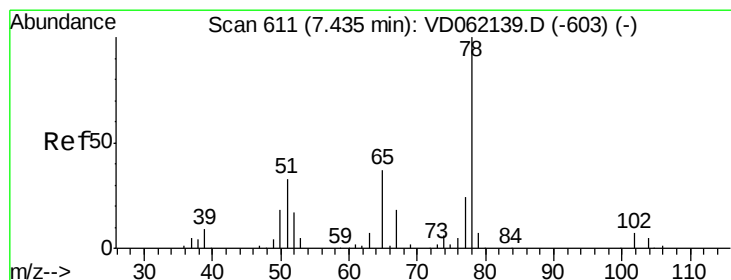
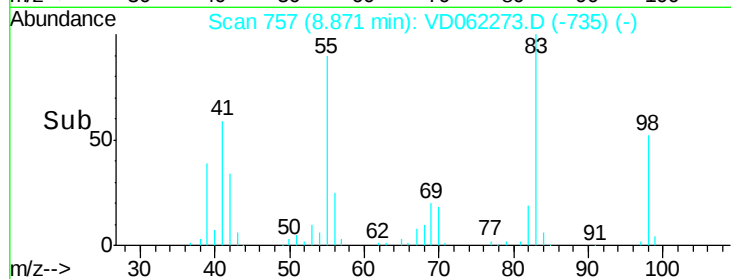
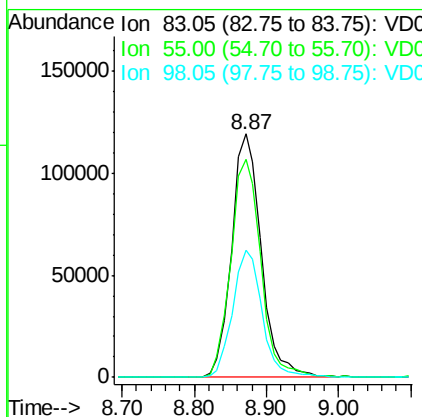
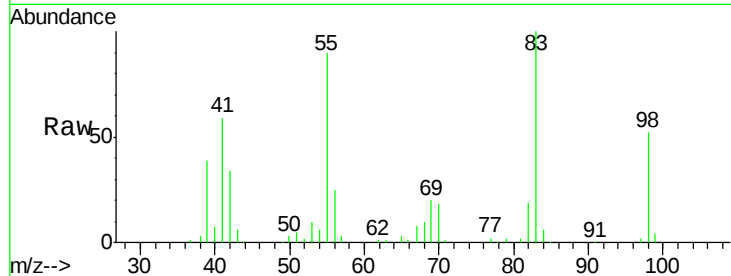
#39
Methvlcvclohexane
Concen: 48.522 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	341909
Ion Ratio	100	Lower	Upper
83	100		
55	89.6	68.2	102.4
98	52.0	38.2	57.4

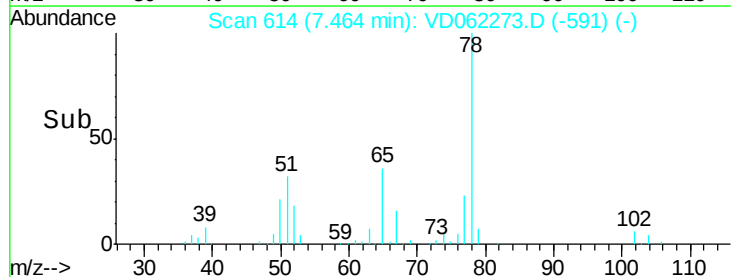
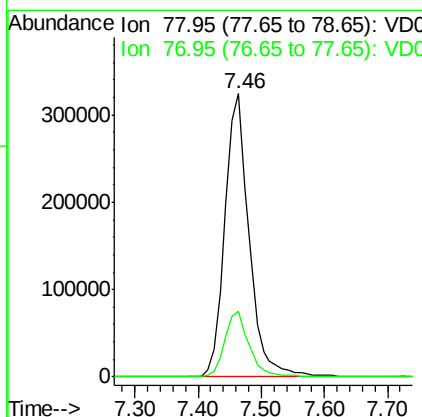
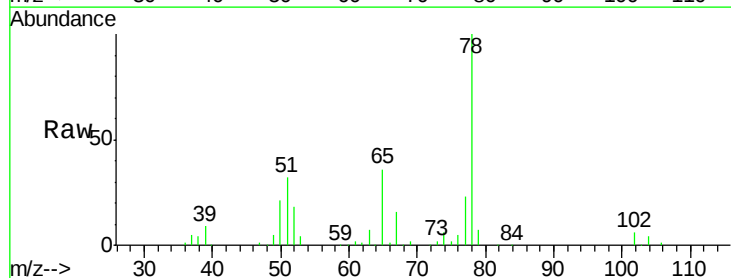
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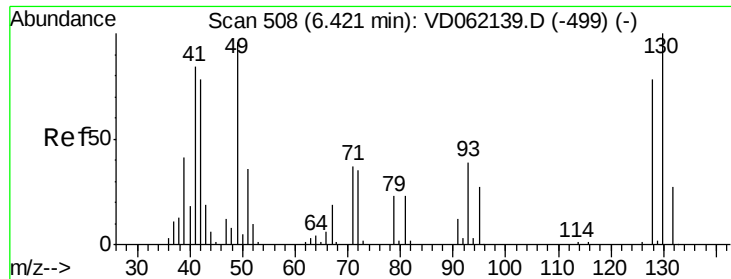
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#40
Benzene
Concen: 52.067 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	78	Resp	864687
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.7	29.5





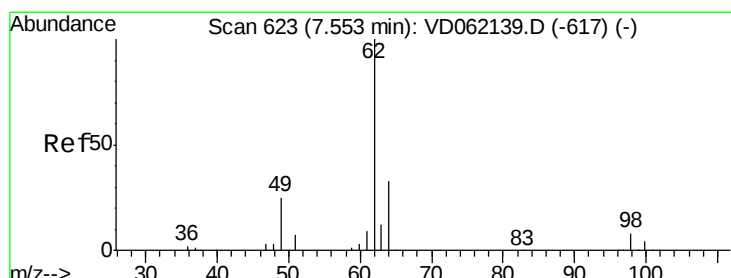
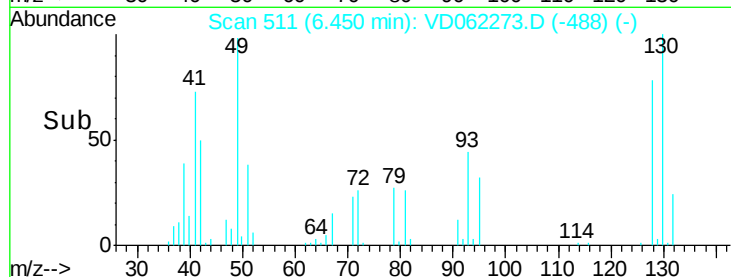
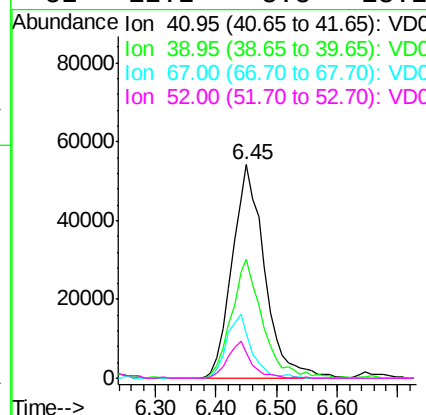
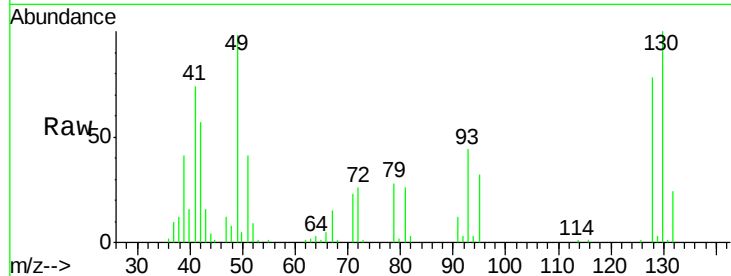
#41
Methacrylonitrile
Concen: 52.825 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	34.1	51.1#	
67	20.8	23.8	35.6#	
52	12.2	8.8	13.2	

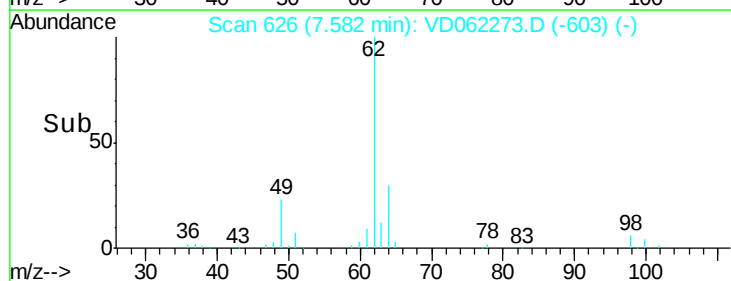
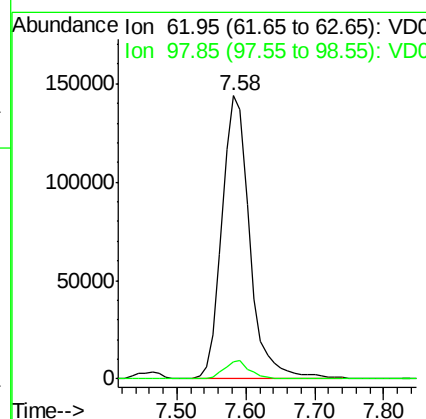
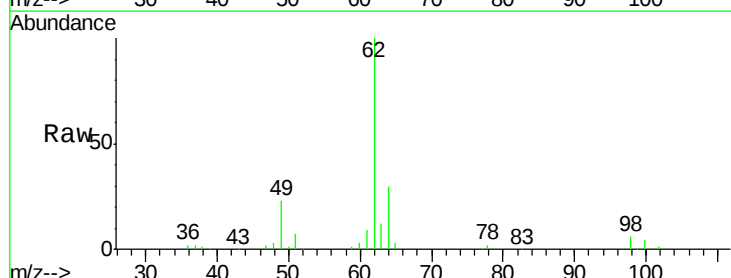
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 57.279 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 47.381 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

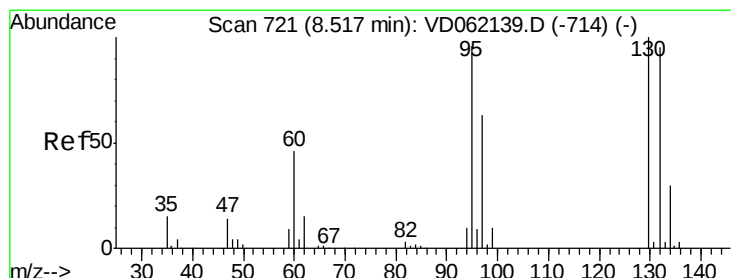
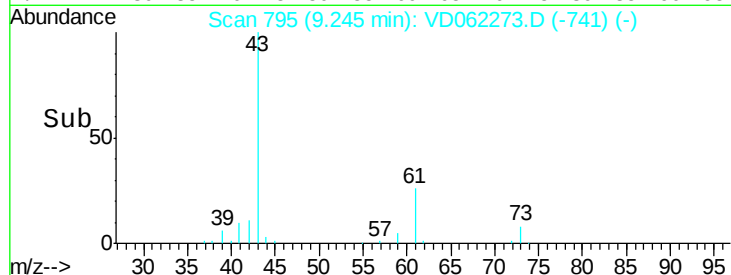
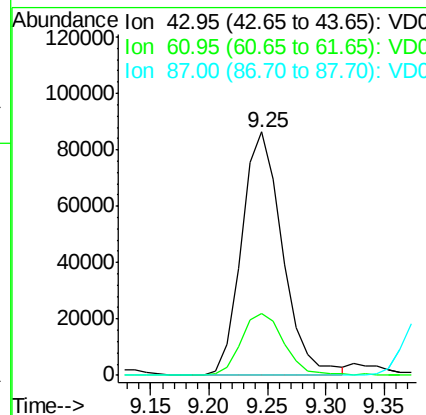
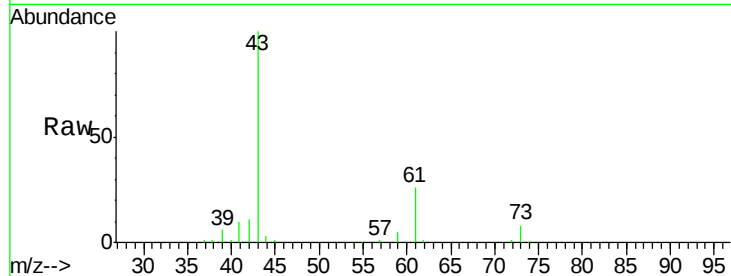
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	209581
Ion Ratio	Lower	Upper	
43	100		
61	25.6	25.1	37.7
87	0.0	0.0	0.0

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#44

Trichloroethene

Concen: 52.964 ug/l

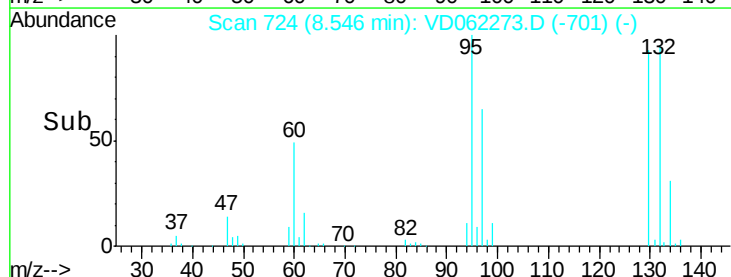
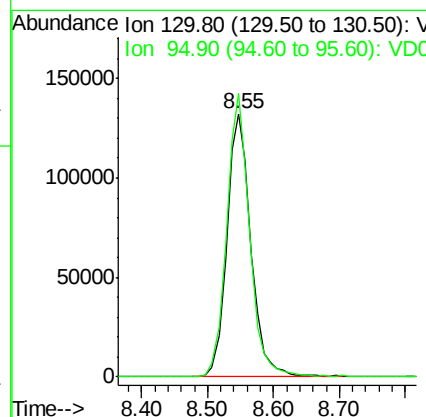
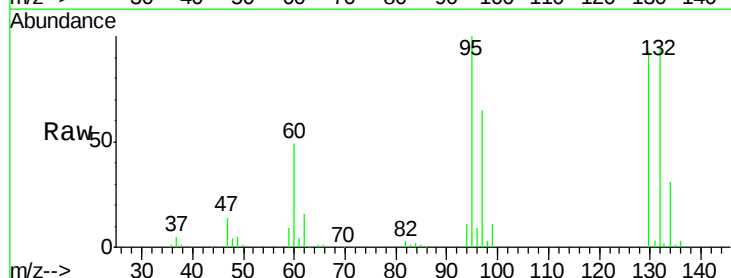
RT: 8.55 min Scan# 724

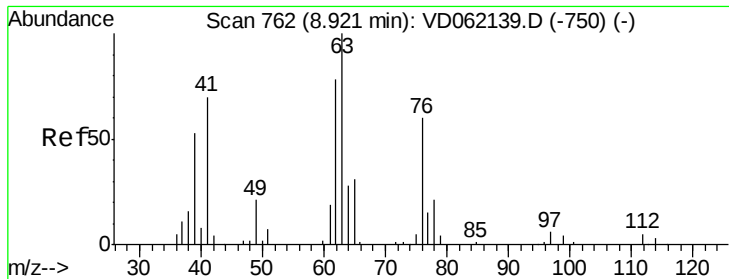
Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion:	130	Resp:	335171
Ion Ratio	Lower	Upper	
130	100		
95	107.4	0.0	174.0





#45

1,2-Dichloropropane

Concen: 52.246 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 214616

Ion Ratio Lower Upper

63 100

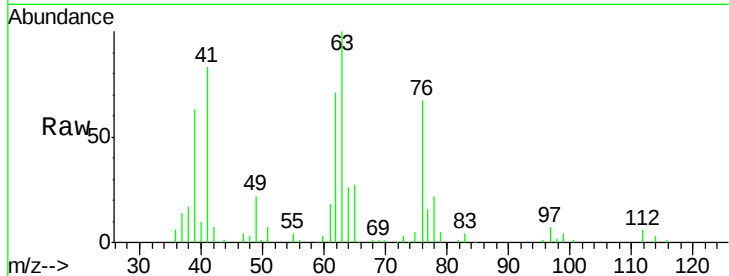
65 27.3 23.8 35.6

Manual Integrations

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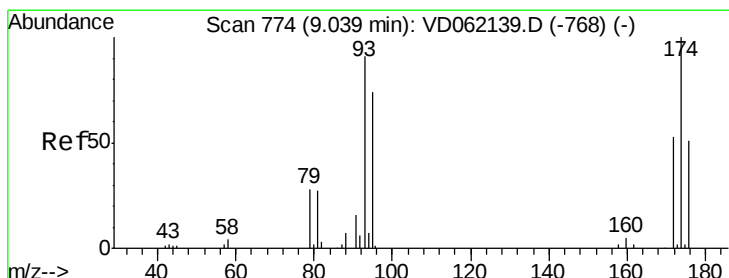
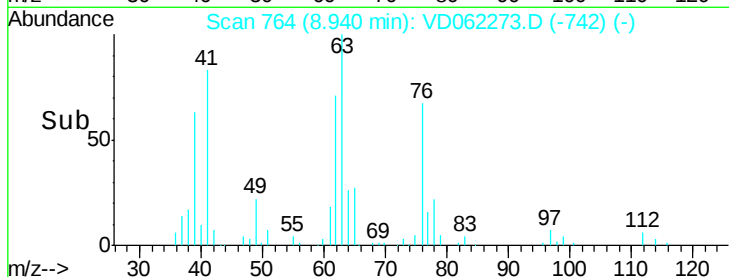
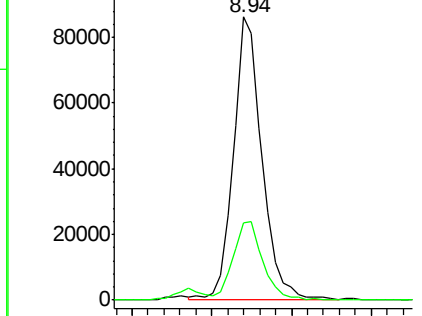
MMDadoda

5/13/2019 11:55:48 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.633 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

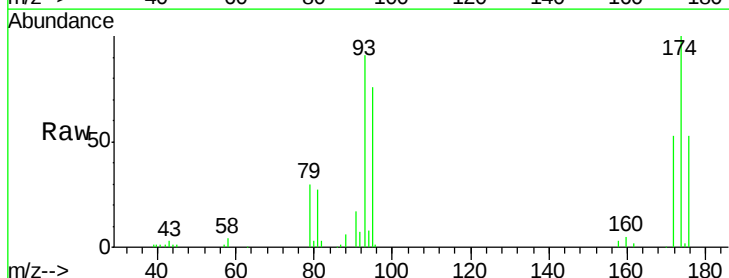
Tgt Ion: 93 Resp: 185837

Ion Ratio Lower Upper

93 100

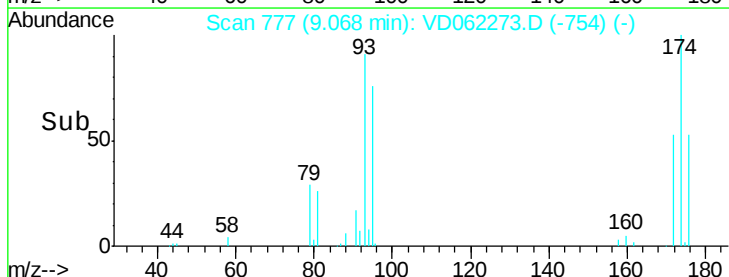
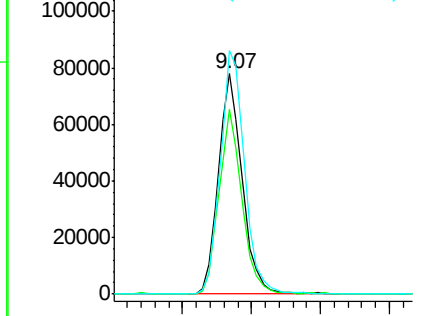
95 83.6 64.8 97.2

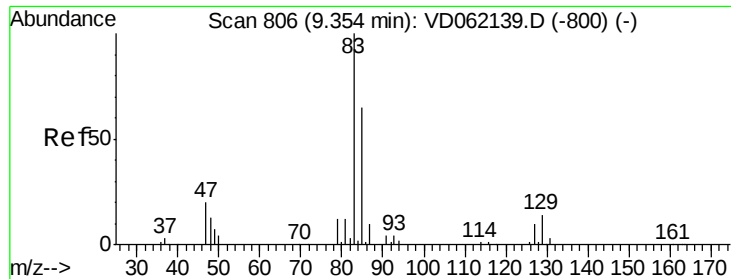
174 110.5 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC





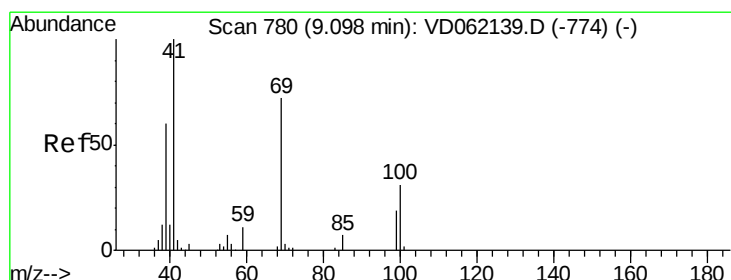
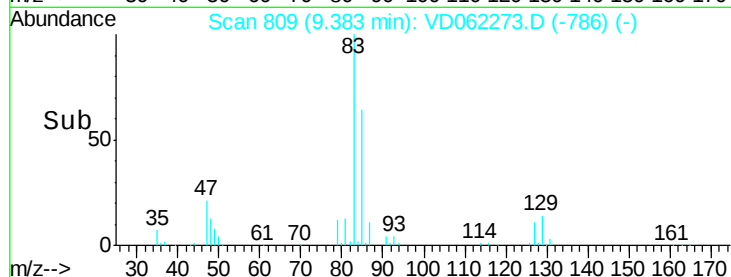
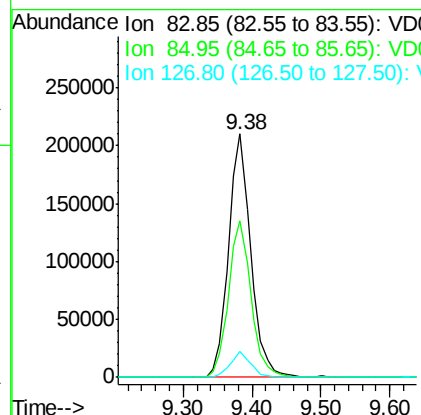
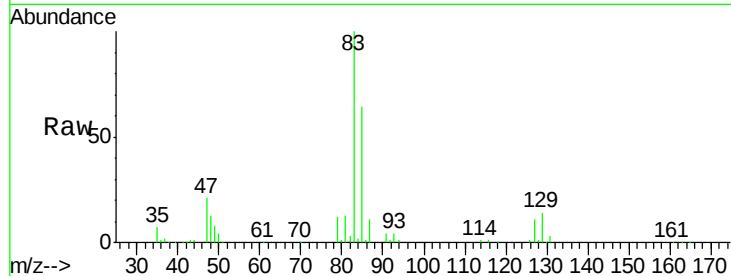
#47
Bromodichloromethane
Concen: 57.571 ug/l
RT: 9.38 min Scan# 809
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	470399		
85	64.3	50.9	76.3	
127	10.6	8.1	12.1	

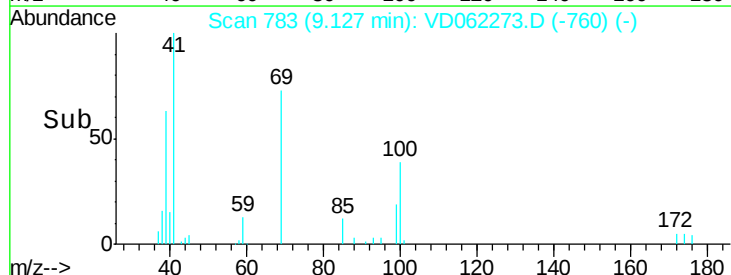
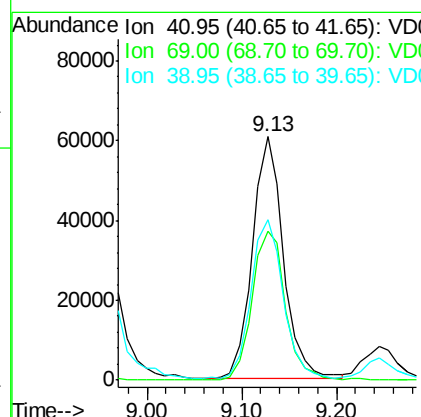
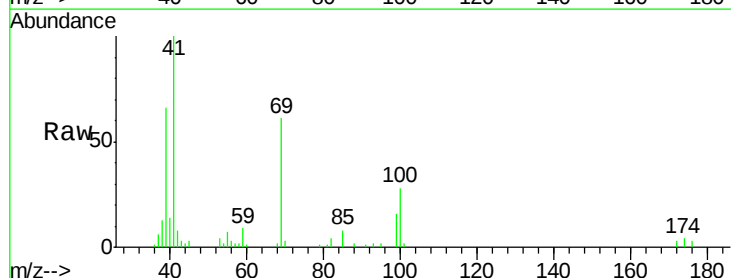
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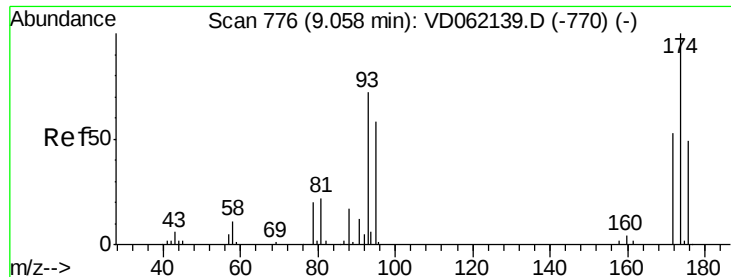
MMDadoda
5/13/2019 11:55:48 AM



#48
Methyl methacrylate
Concen: 50.262 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	136943		
69	60.9	64.2	96.2#	
39	65.8	46.8	70.2	





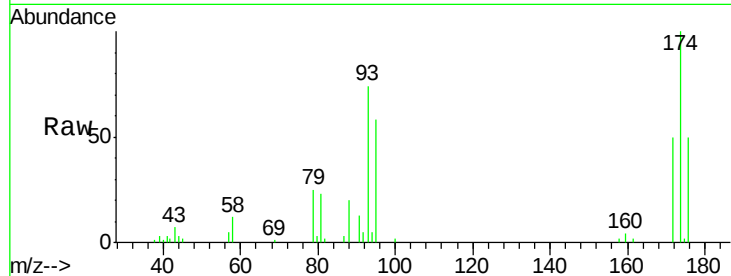
#49
1,4-Dioxane
Concen: 972.752 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

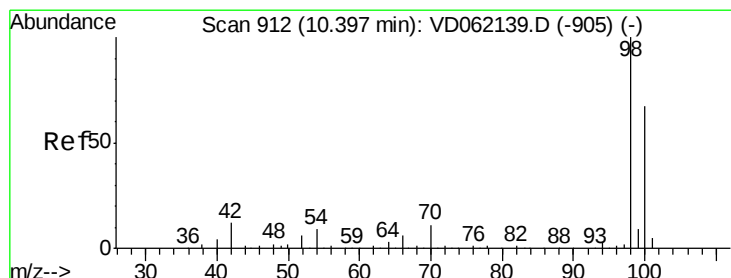
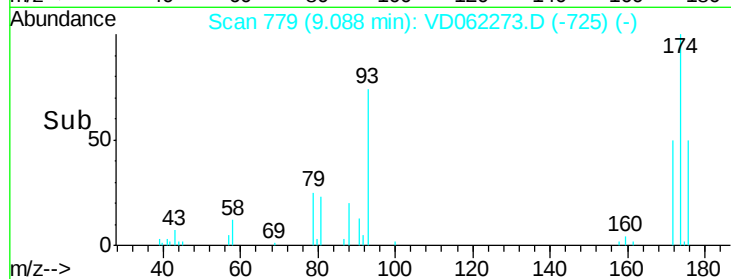
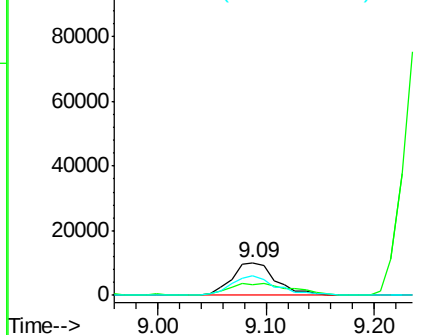
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	23.4	35.0
58	59.7	44.0	66.0

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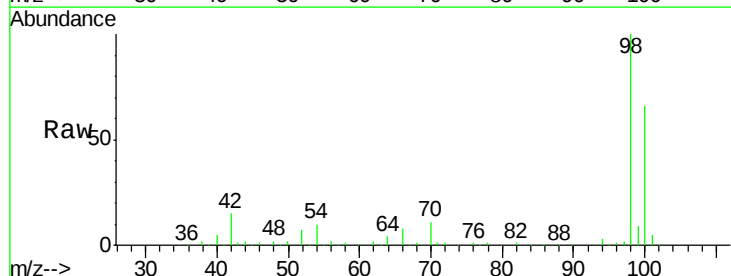


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

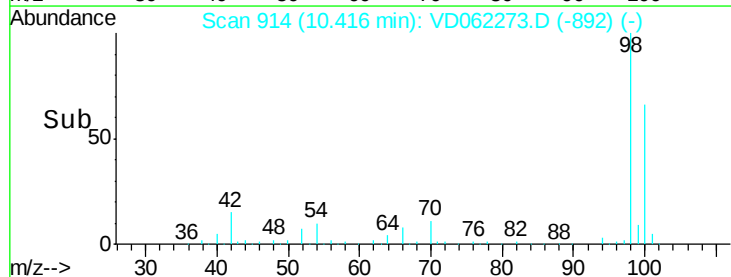
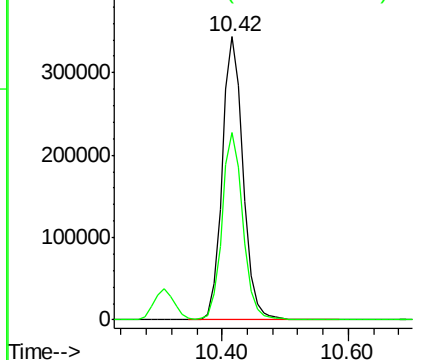


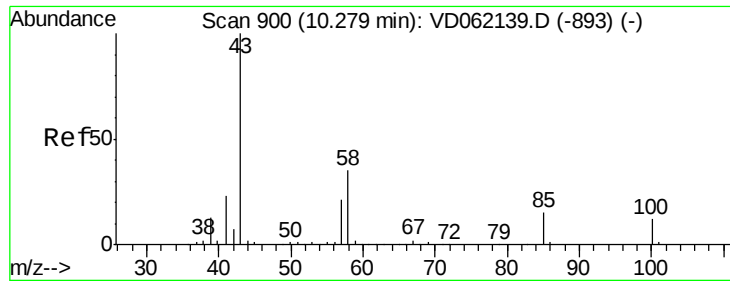
#50
Toluene-d8
Concen: 44.021 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.8	80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 257.912 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 733336

Ion Ratio Lower Upper

43 100

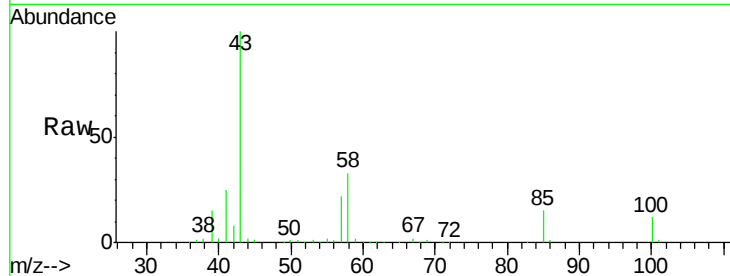
58 33.4 30.4 45.6

Manual Integrations

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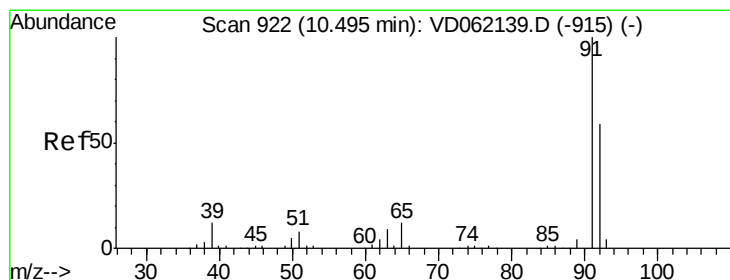
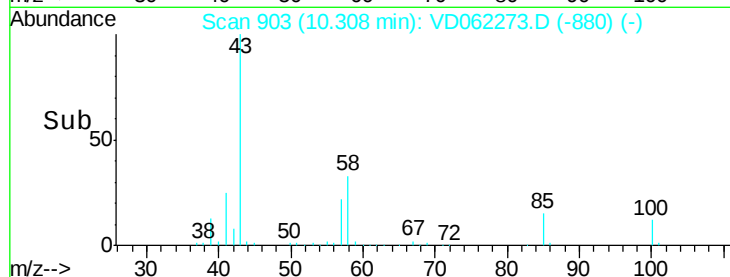
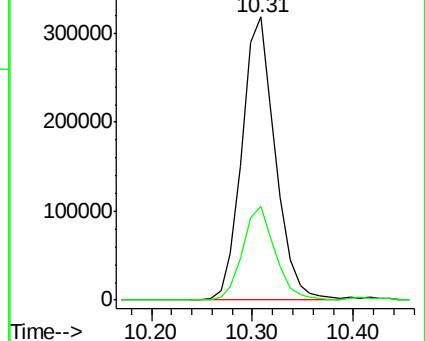
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.073 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062273.D

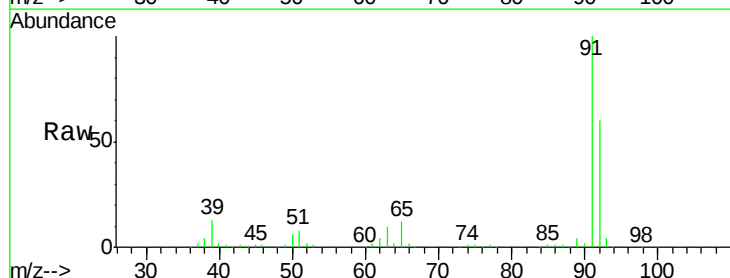
Acq: 12 May 2019 22:41

Tgt Ion: 92 Resp: 551859

Ion Ratio Lower Upper

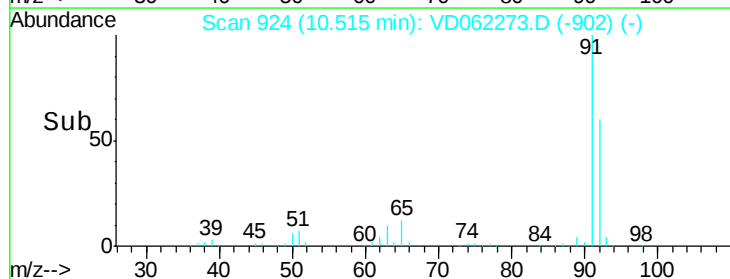
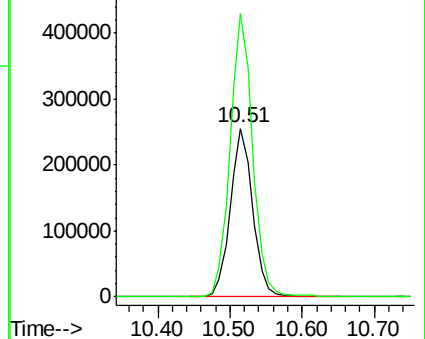
92 100

91 167.7 136.6 204.8



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: 53.749 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 379569

Ion Ratio Lower Upper

75 100

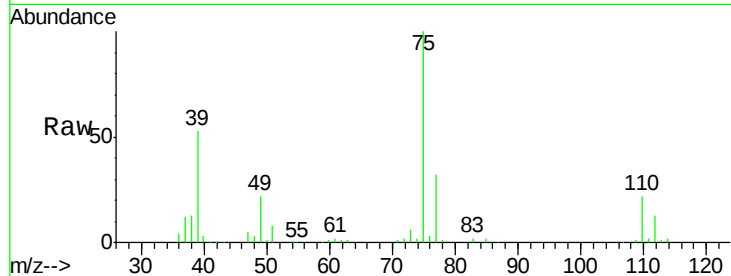
77 31.5 25.8 38.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

200000

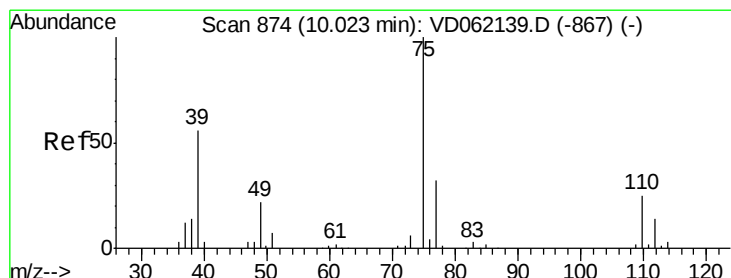
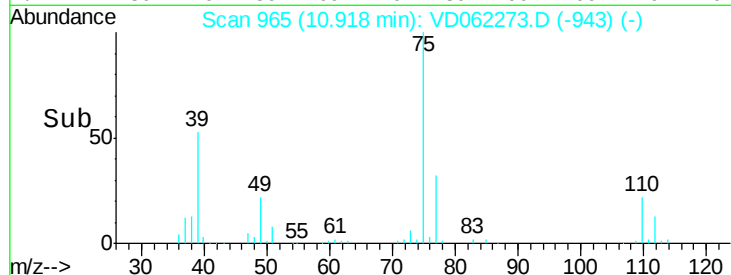
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.444 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

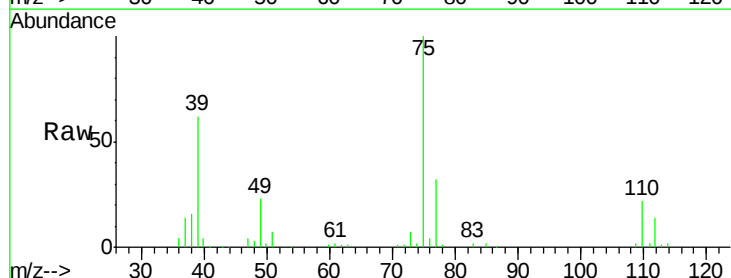
Tgt Ion: 75 Resp: 404028

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 61.9 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

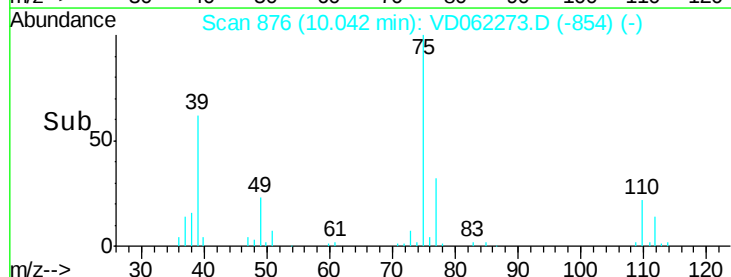
150000

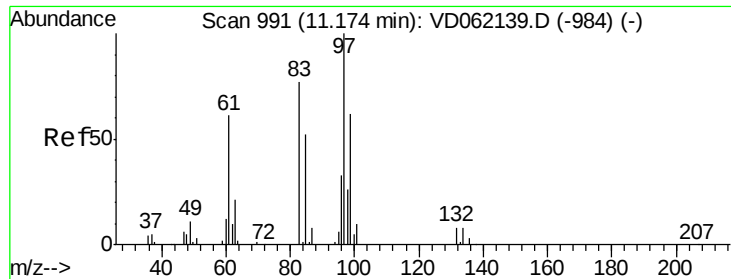
100000

50000

0

Time-->





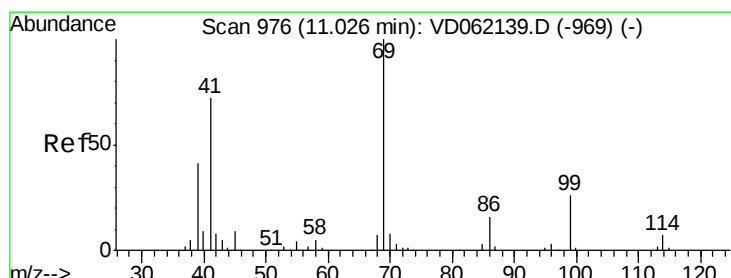
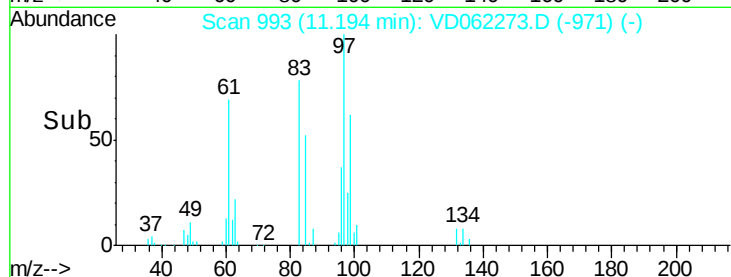
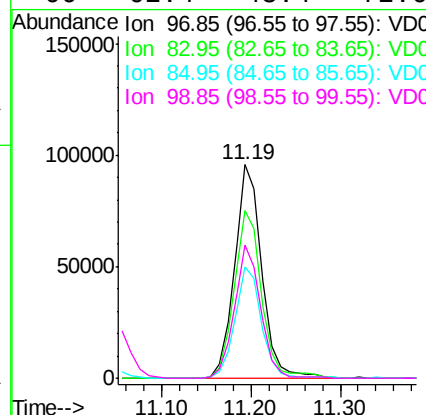
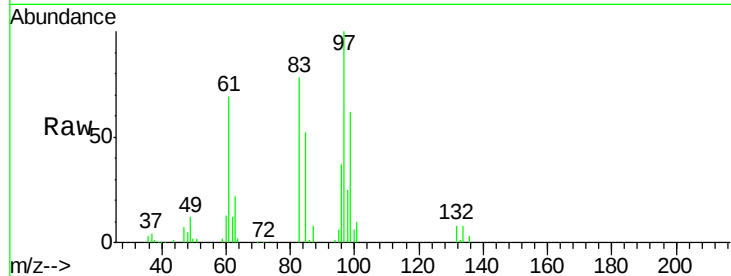
#55
 1,1,2-Trichloroethane
 Concen: 53.276 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	203683		
83	78.2	65.7	98.5	
85	52.0	45.6	68.4	
99	62.4	48.4	72.6	

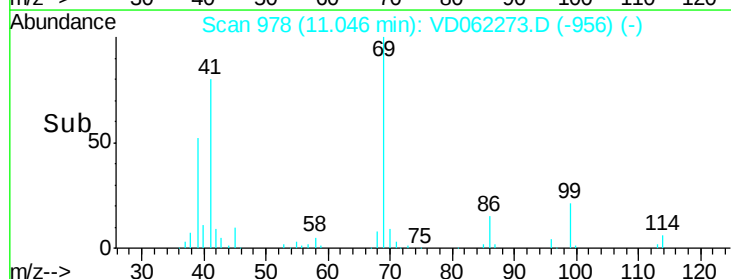
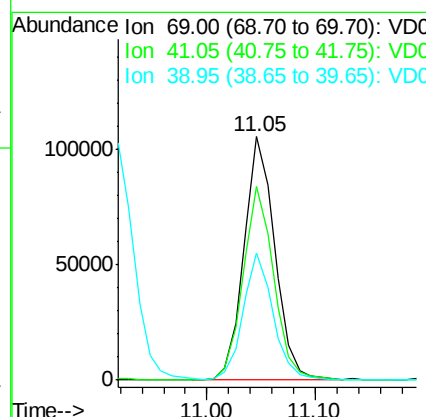
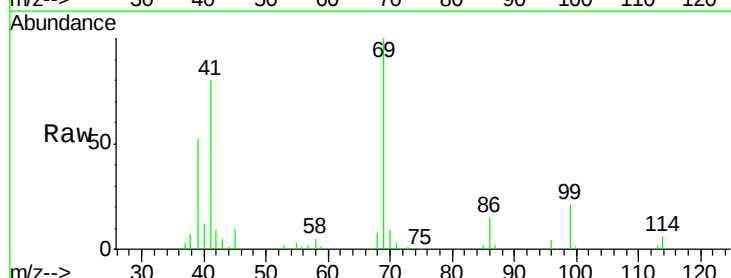
Manual Integrations
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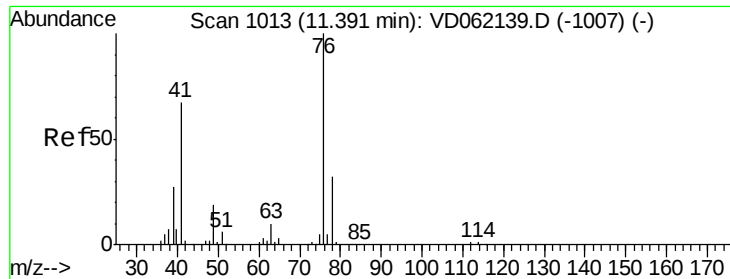
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#56
 Ethyl methacrylate
 Concen: 52.663 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	209221		
41	79.7	56.3	84.5	
39	52.3	29.4	44.2	





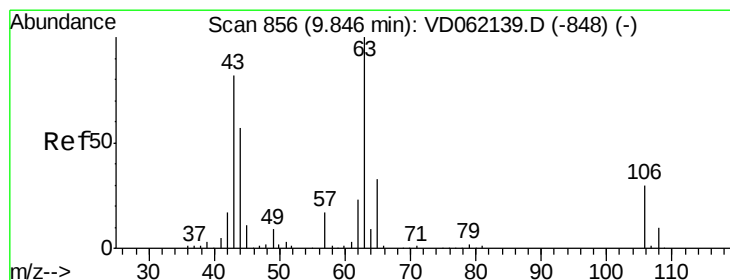
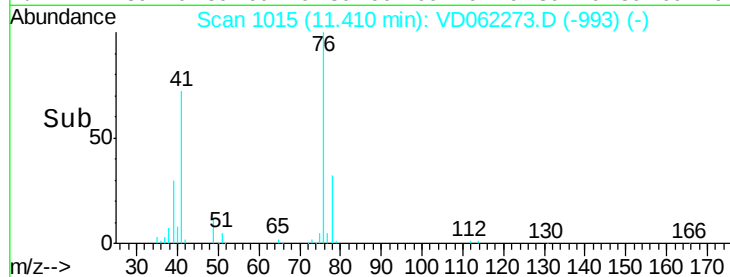
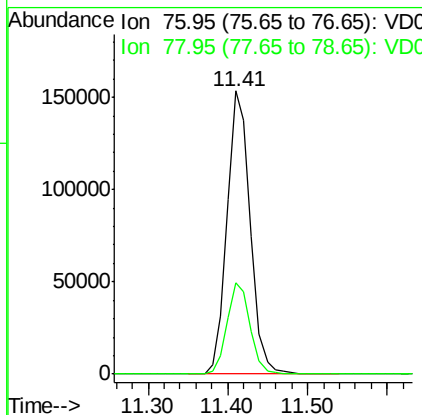
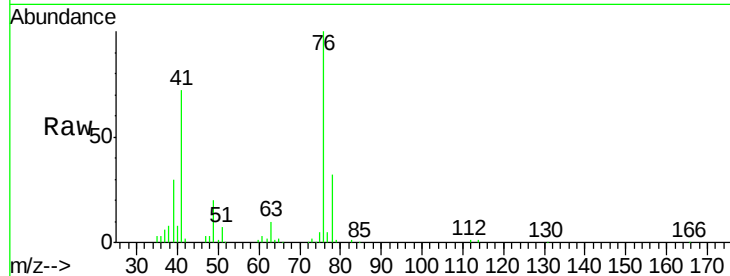
#57
 1,3-Dichloropropane
 Concen: 54.424 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 314344
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

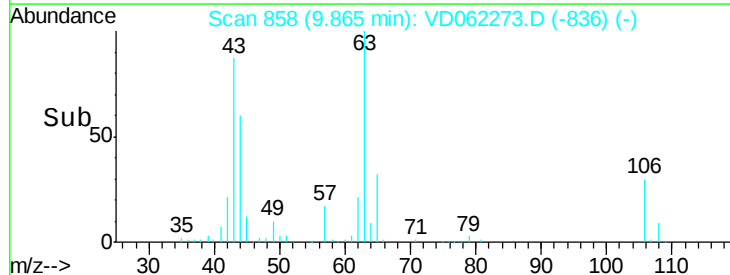
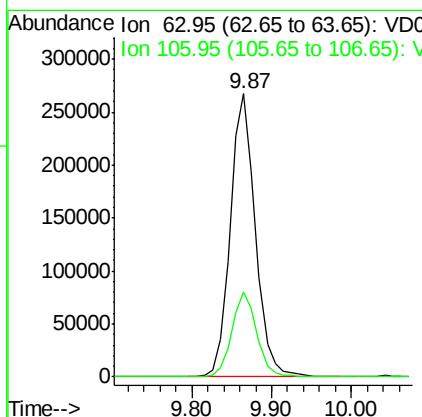
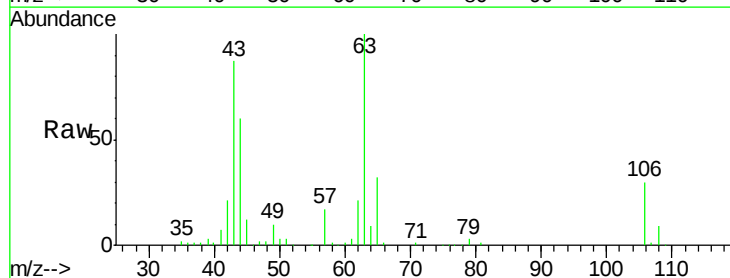
Manual Integrations
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MMDadoda
 5/13/2019 11:55:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.643 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 63 Resp: 587325
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 34.0





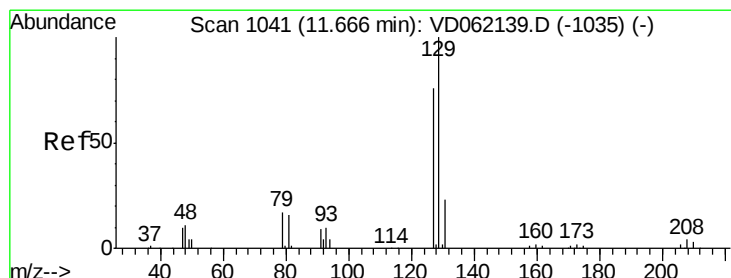
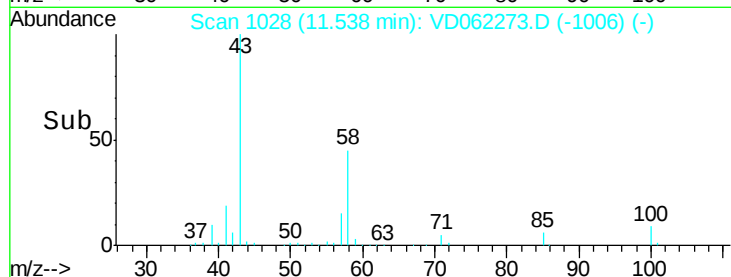
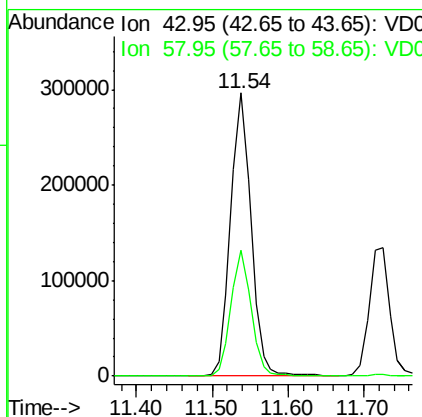
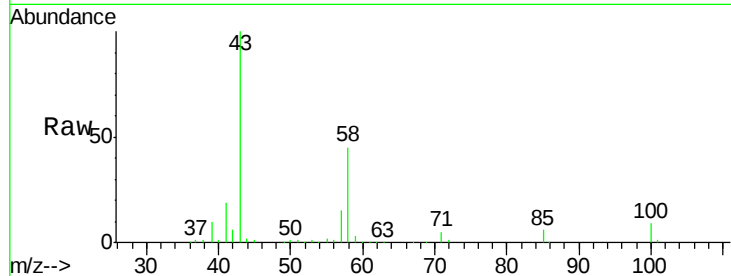
#59
2-Hexanone
Concen: 264.727 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 554778
Ion Ratio Lower Upper
43 100
58 44.6 25.4 76.4

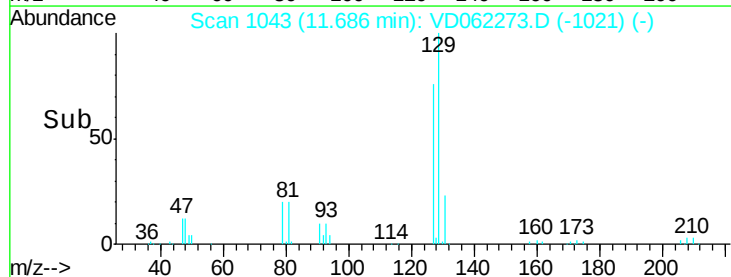
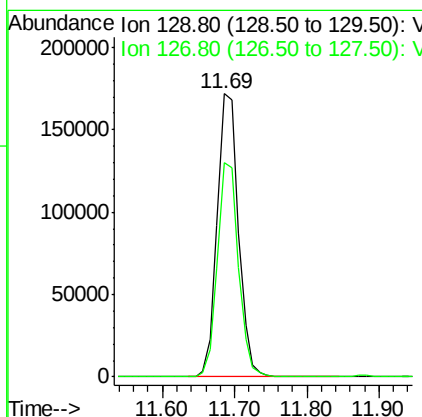
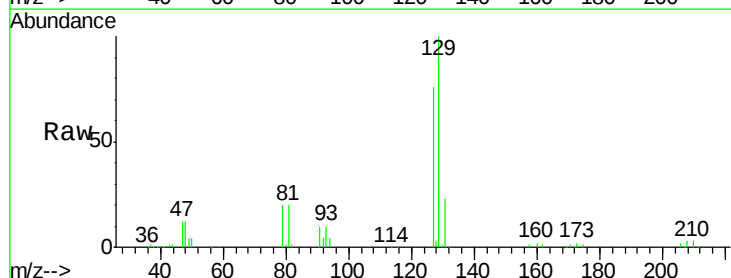
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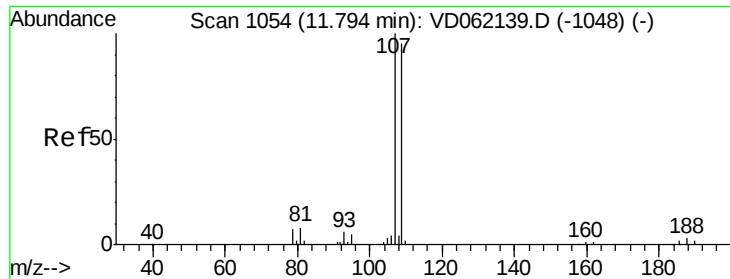
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5/13/2019 11:55:48 AM



#60
Dibromochloromethane
Concen: 52.821 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 129 Resp: 349002
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9





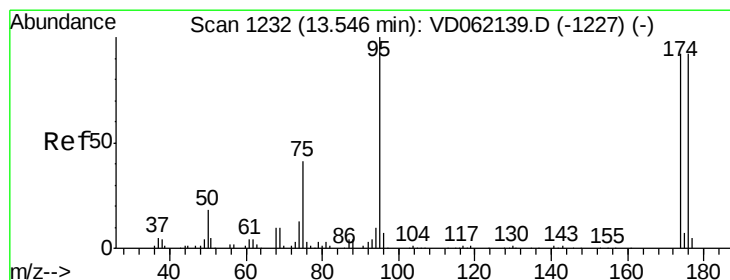
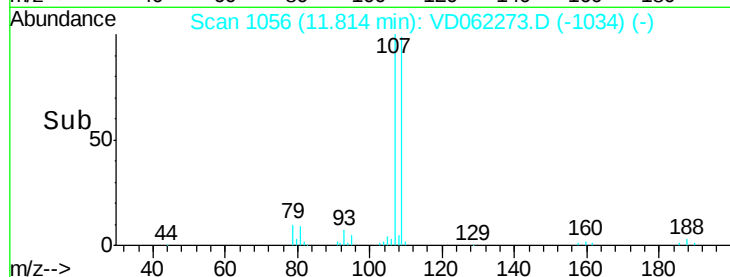
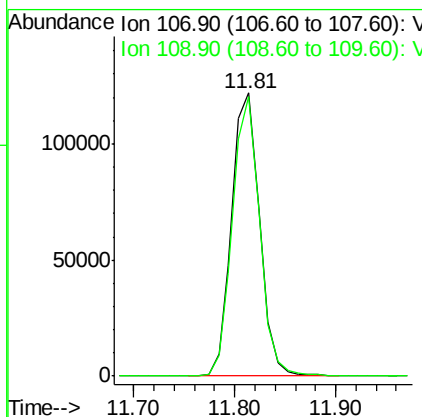
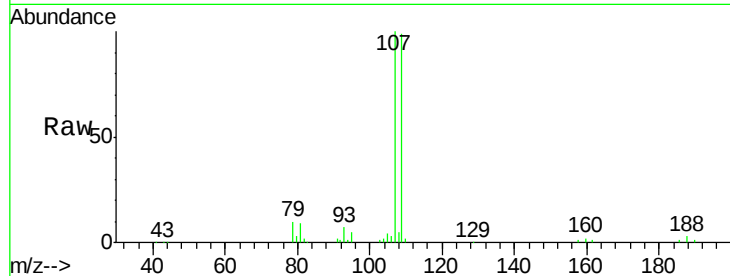
#61
1,2-Dibromoethane
Concen: 50.353 ug/l
RT: 11.81 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.6	78.3	117.5

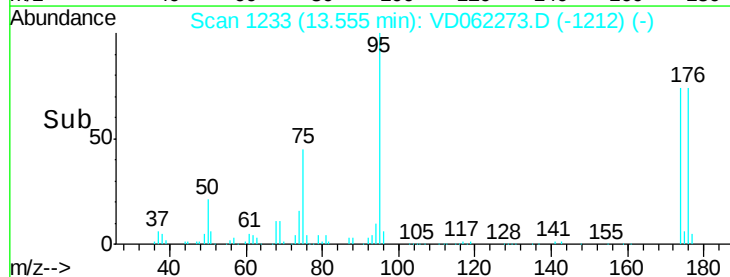
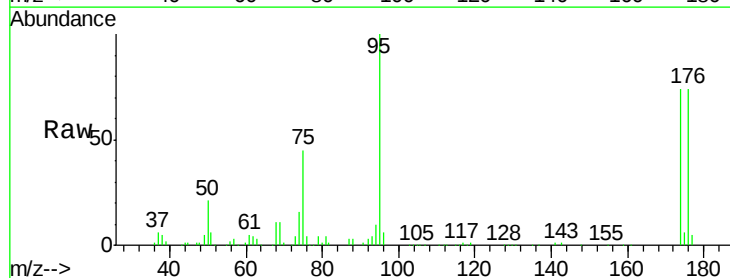
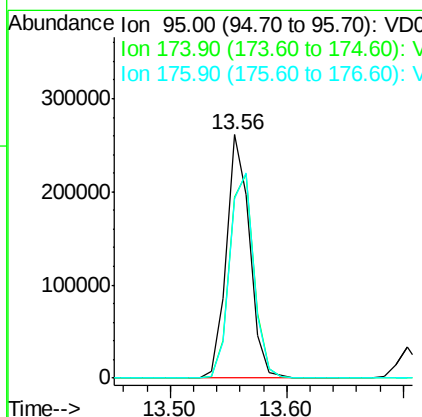
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MMDadoda
5/13/2019 11:55:48 AM



#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	181.8
176	73.6	0.0	174.4





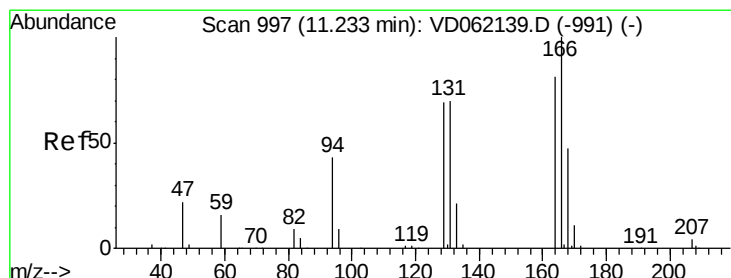
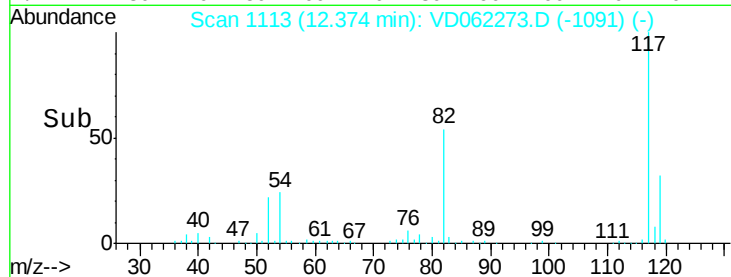
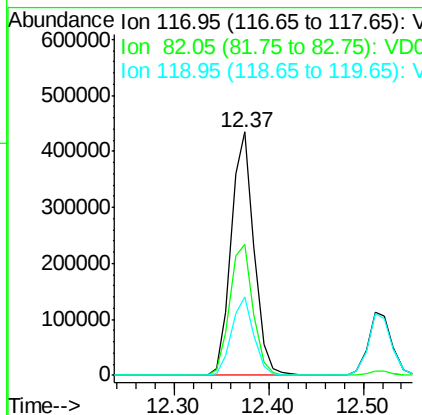
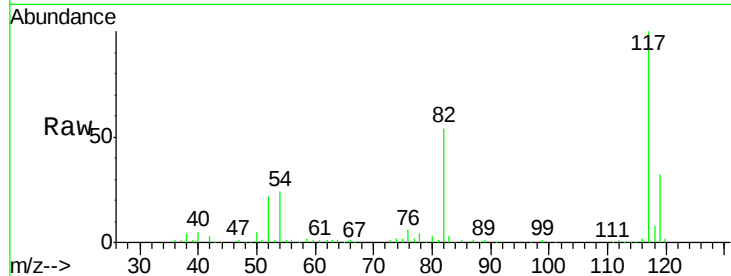
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	36.2	54.2
119	32.1	26.2	39.4

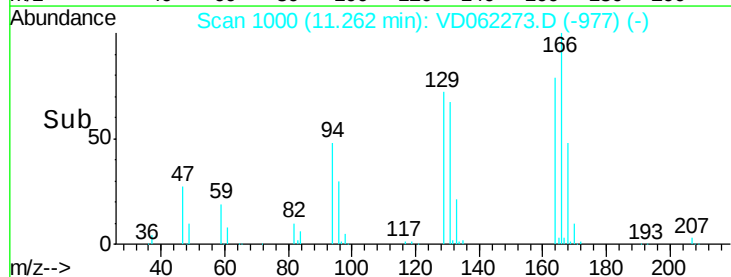
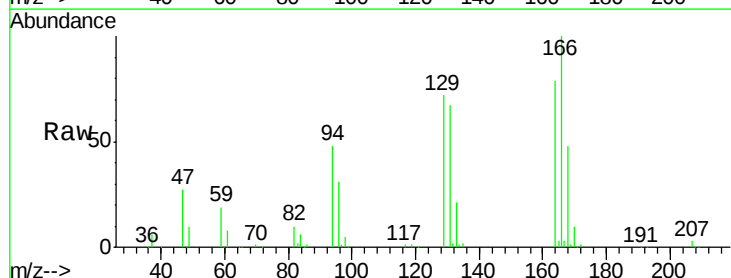
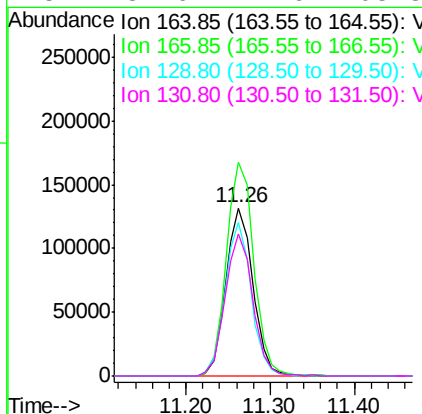
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#64
Tetrachloroethene
Concen: 52.075 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.5	152.3
129	91.3	74.6	112.0
131	84.6	72.6	108.8





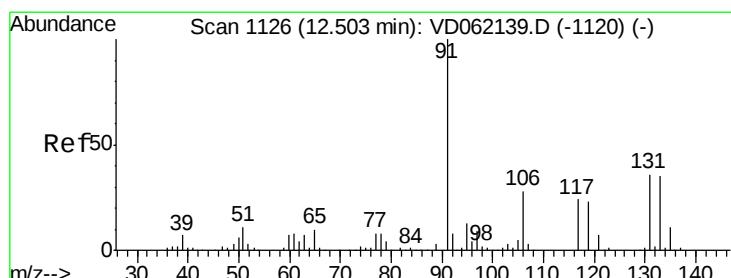
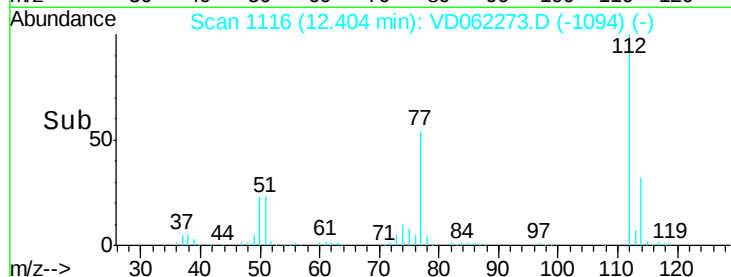
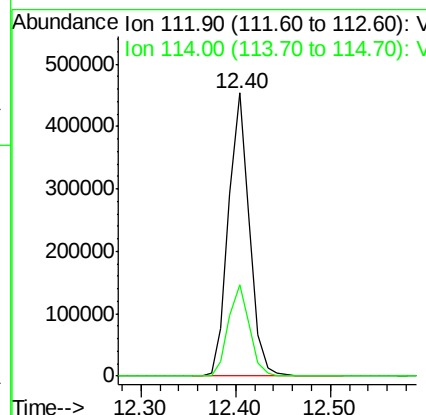
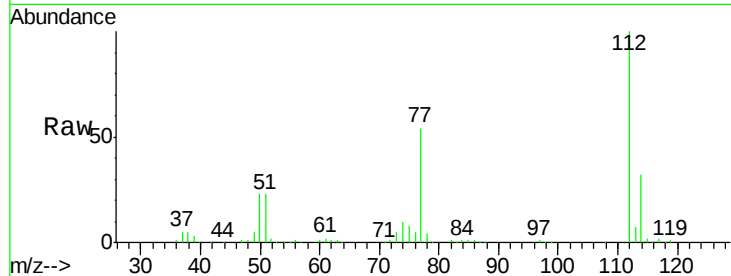
#65
Chlorobenzene
Concen: 51.389 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 692883
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

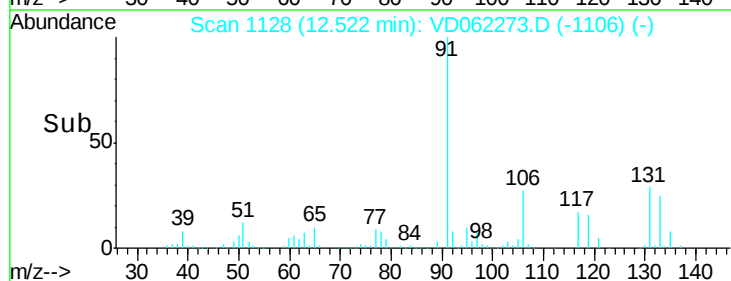
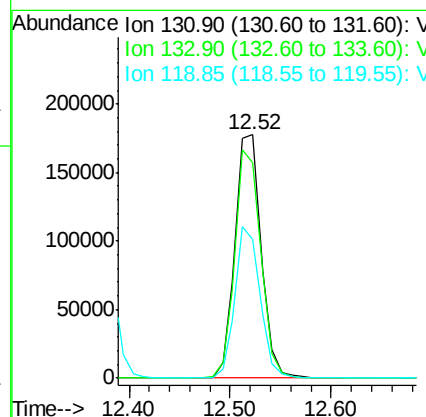
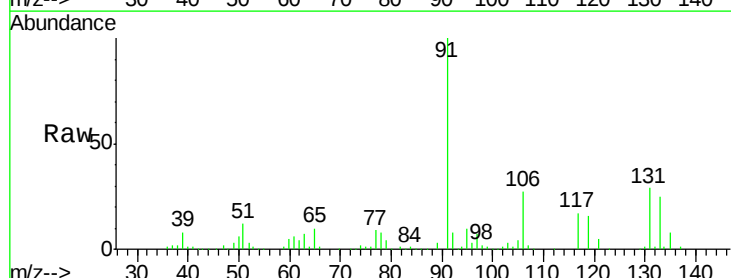
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.365 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:131 Resp: 319017
Ion Ratio Lower Upper
131 100
133 88.3 48.6 145.8
119 57.0 34.7 104.1





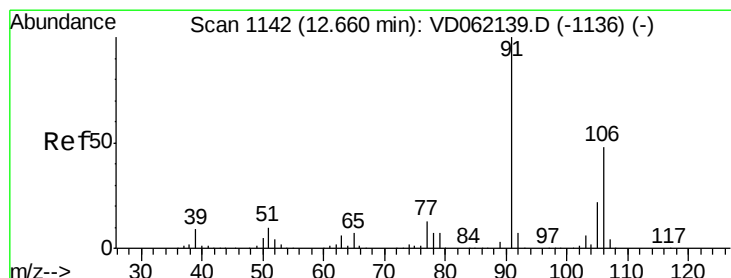
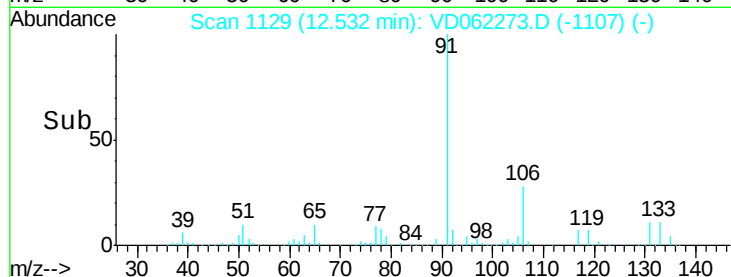
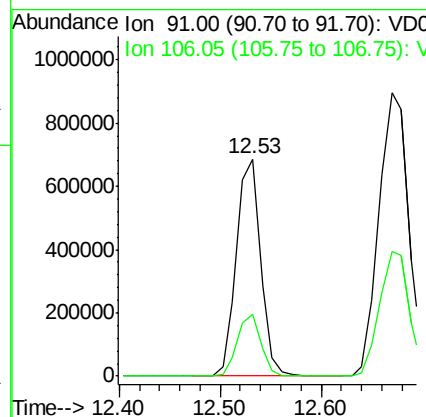
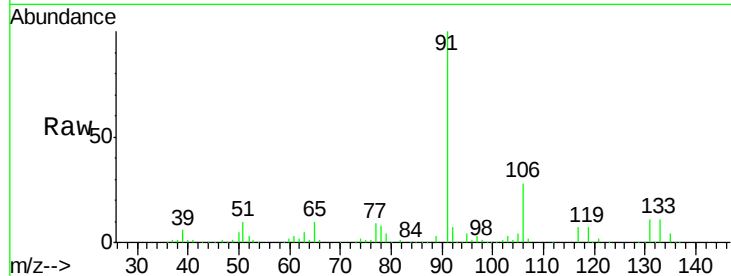
#67
Ethyl Benzene
Concen: 50.701 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1144479
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1

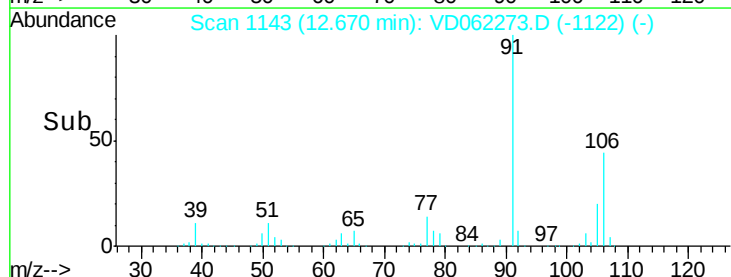
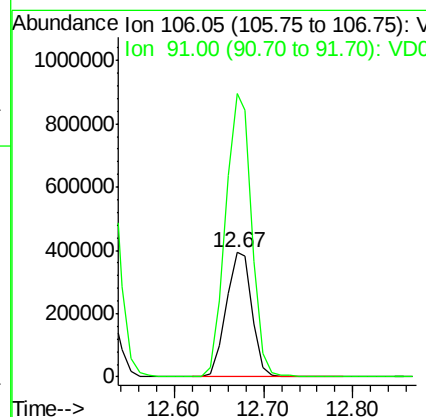
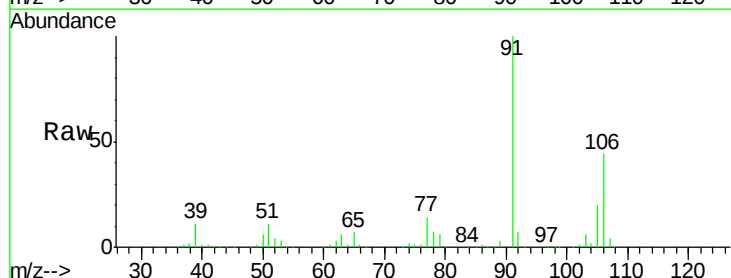
Manual Integrations
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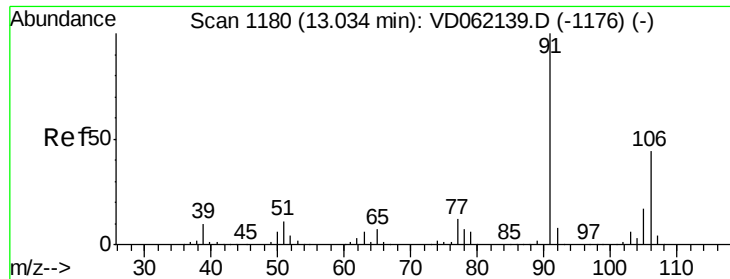
MMDadoda
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#68
m/p-Xylenes
Concen: 98.144 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 106 Resp: 806012
Ion Ratio Lower Upper
106 100
91 227.2 164.0 246.0





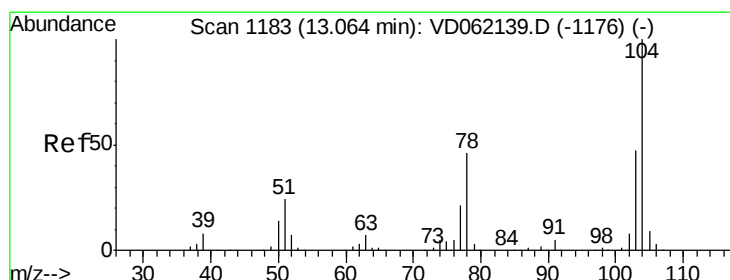
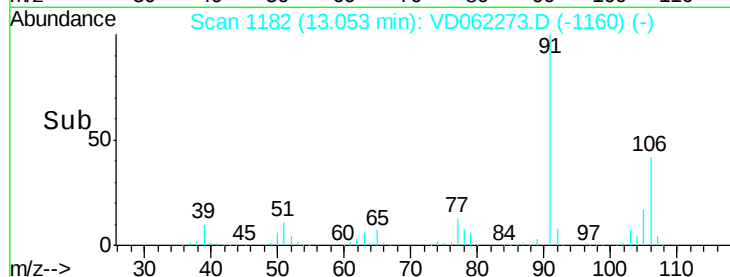
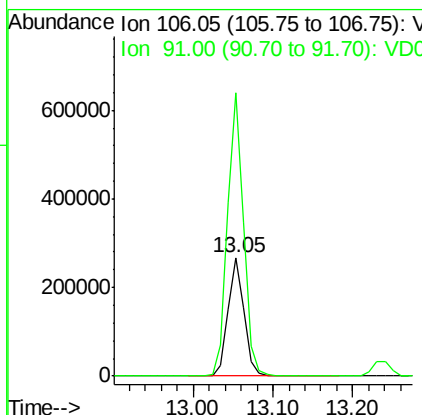
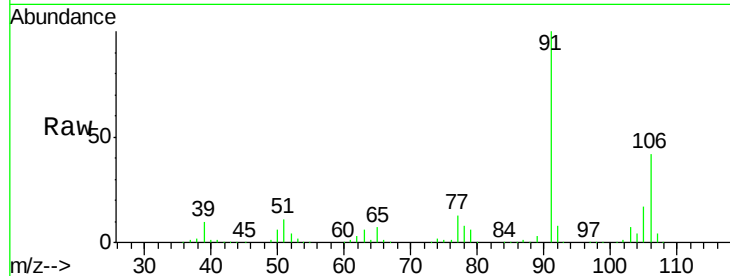
#69
o-Xylene
Concen: 49.652 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 379097
Ion Ratio Lower Upper
106 100
91 238.3 106.7 319.9

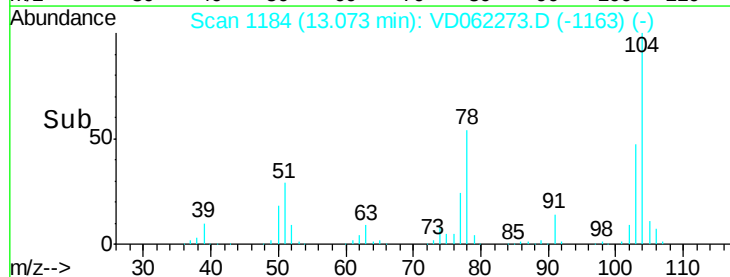
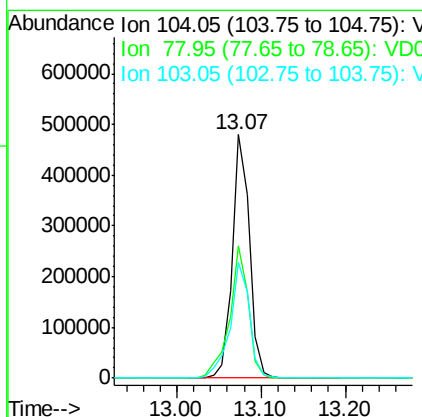
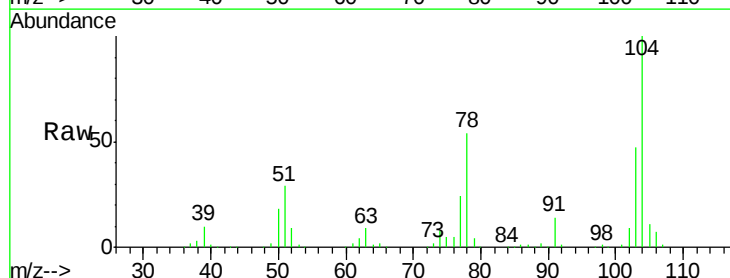
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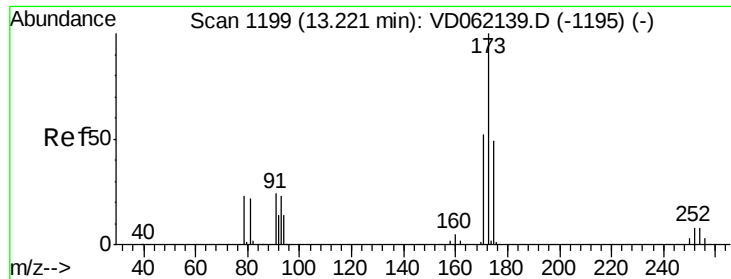
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#70
Styrene
Concen: 52.592 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:104 Resp: 680224
Ion Ratio Lower Upper
104 100
78 54.5 35.4 53.2#
103 47.4 37.5 56.3





#71

Bromoform

Concen: 54.672 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

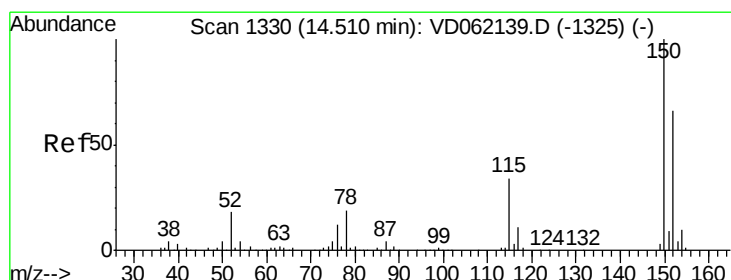
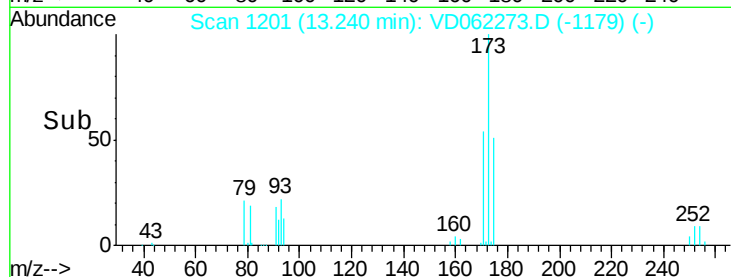
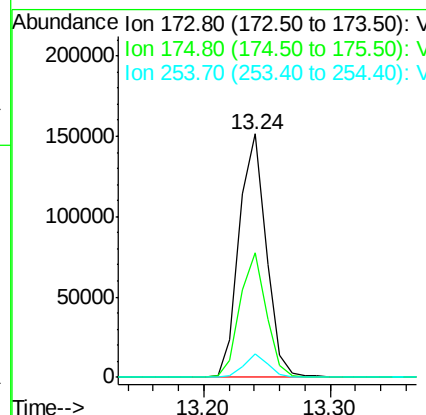
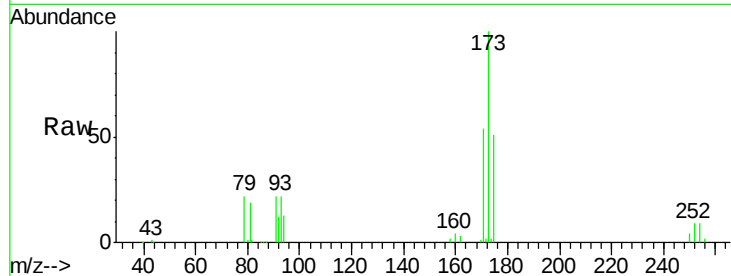
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.4	73.4
254	9.4	5.4	8.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

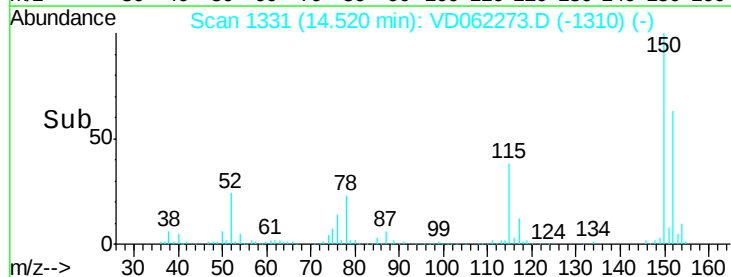
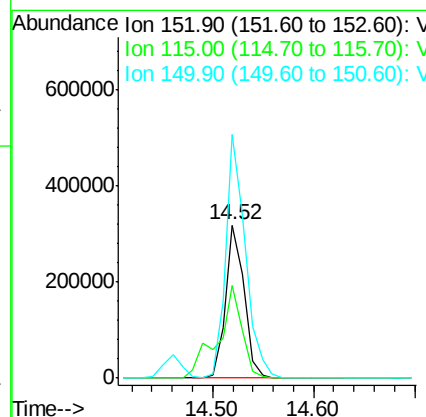
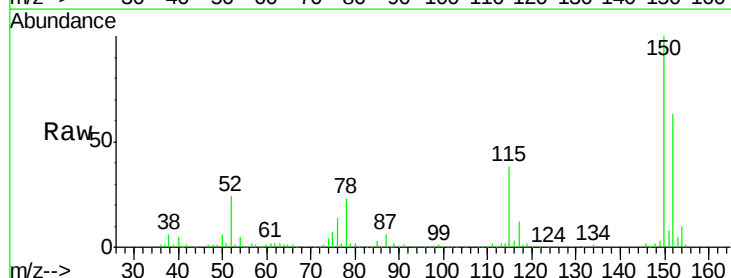
RT: 14.52 min Scan# 1331

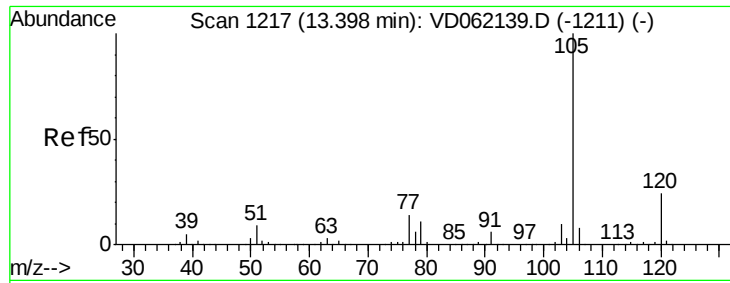
Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.9	92.7
150	159.1	0.0	314.8





#73

Isopropylbenzene

Concen: 49.263 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1201553

Ion Ratio Lower Upper

105 100

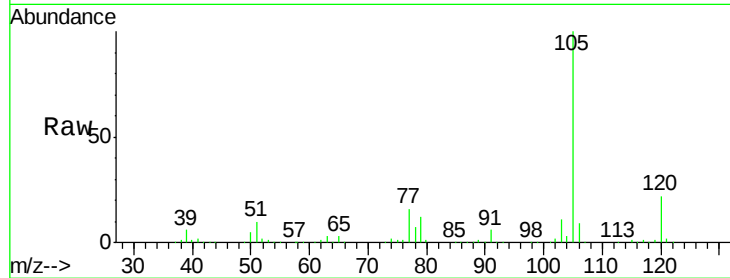
120 22.5 12.0 36.1

Manual Integrations

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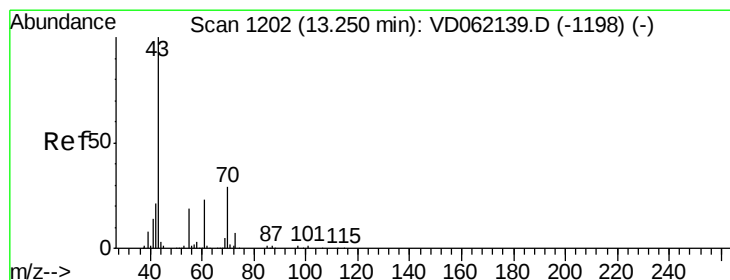
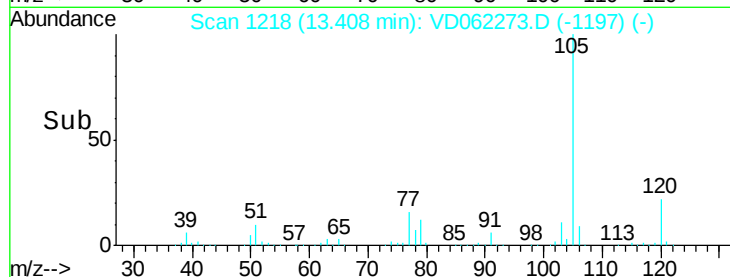
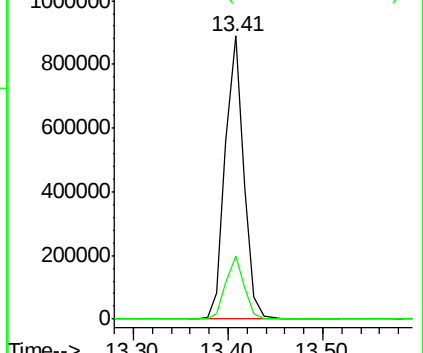
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.424 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion: 43 Resp: 316056

Ion Ratio Lower Upper

43 100

70 29.7 24.2 36.4

55 17.8 16.0 24.0

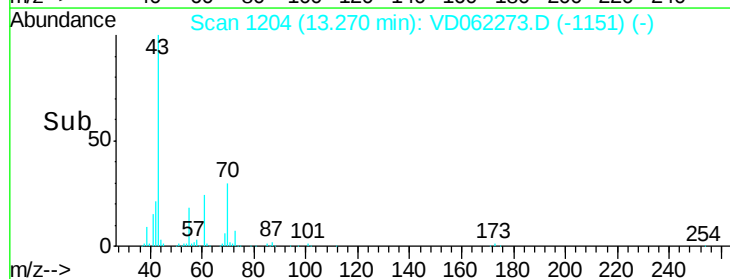
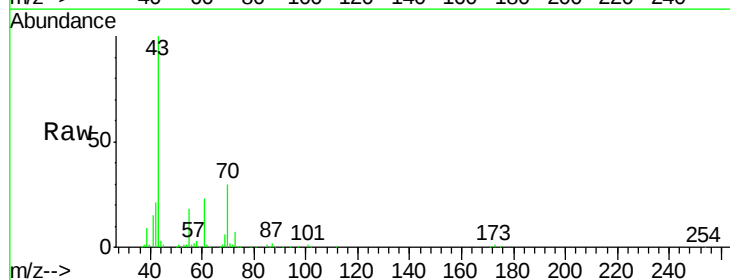
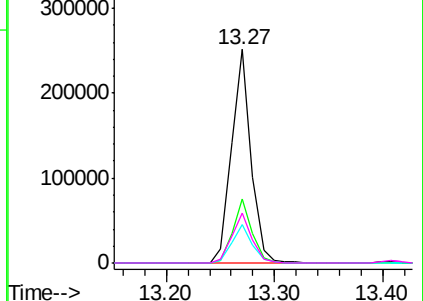
61 23.5 21.6 32.4

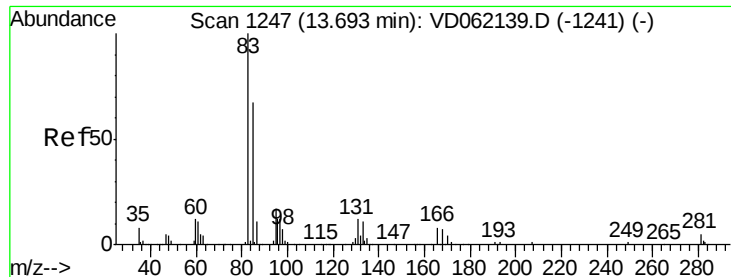
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.101 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

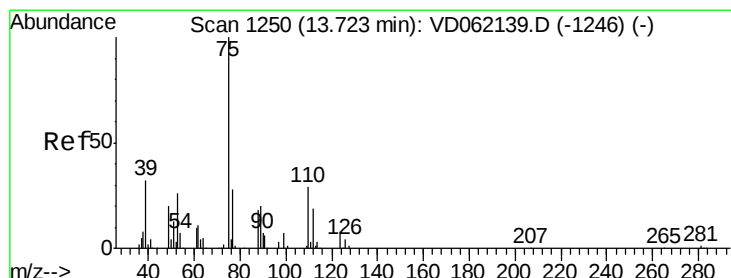
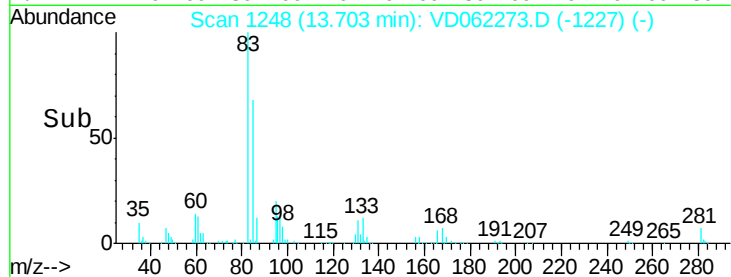
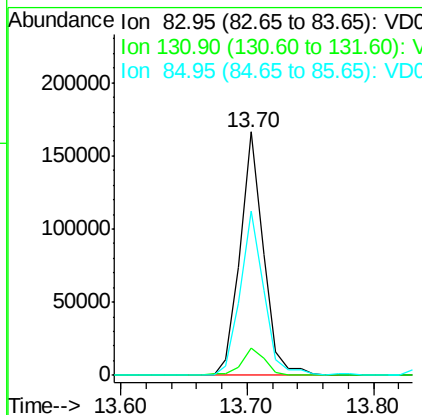
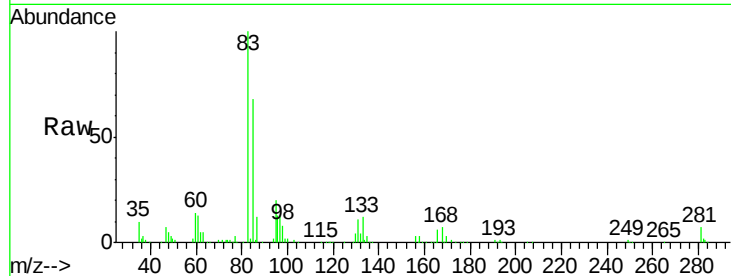
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	212869
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.0	14.9
85	67.6	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 45.932 ug/l

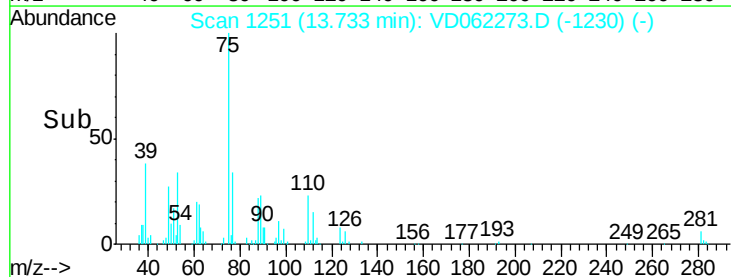
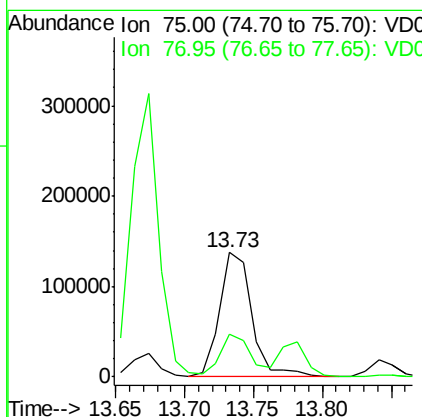
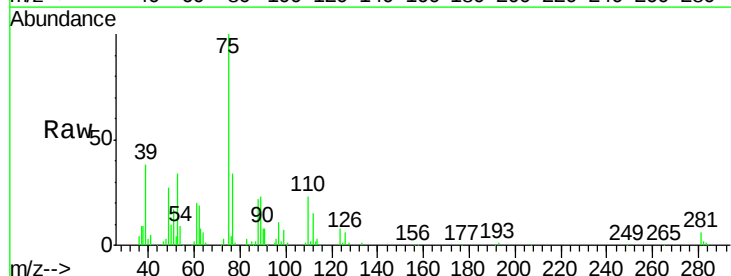
RT: 13.73 min Scan# 1251

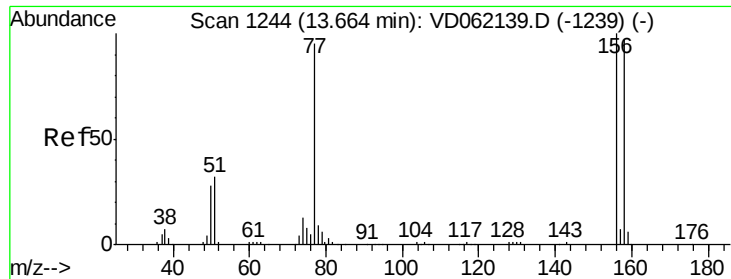
Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion:	75	Resp:	222112
Ion Ratio	Lower	Upper	
75	100		
77	34.1	16.4	49.4





#77

Bromobenzene

Concen: 51.578 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

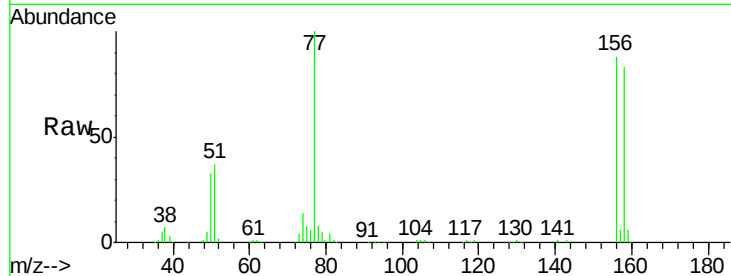
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	352165		
77	113.7	53.1	159.4	
158	94.1	49.4	148.0	

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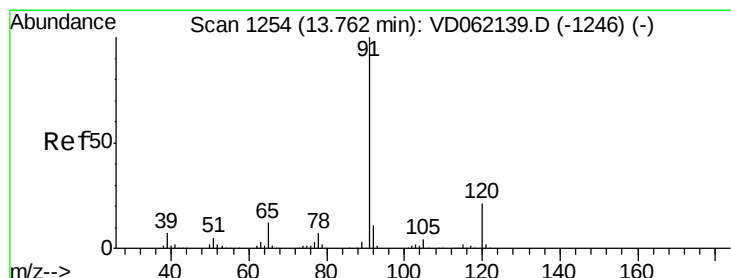
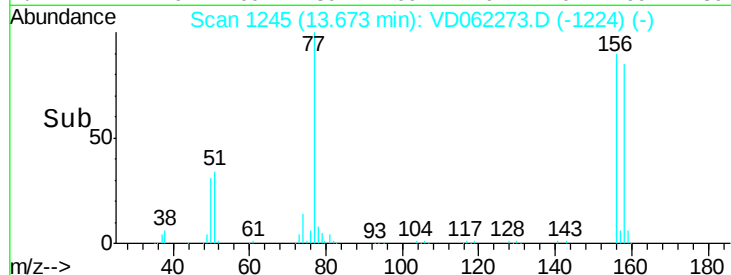
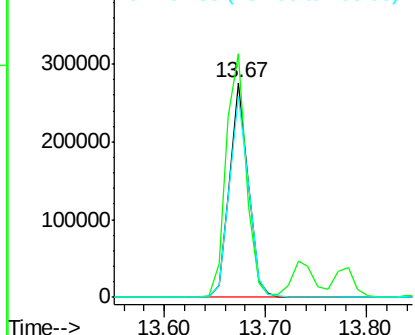
MMDadoda
5/13/2019 11:55:48 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.090 ug/l

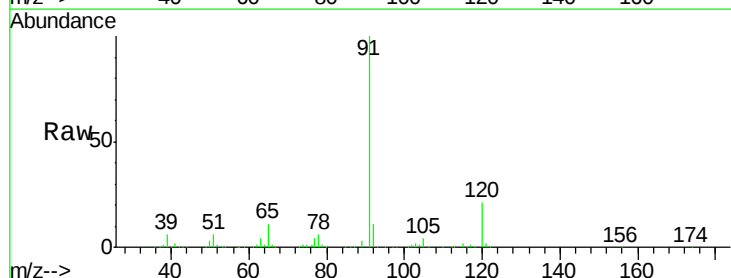
RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062273.D

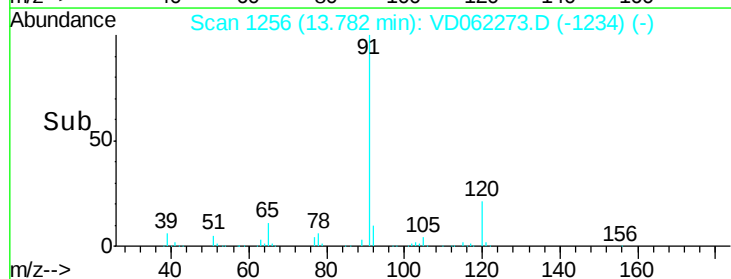
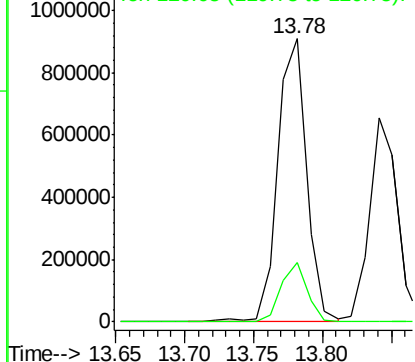
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1311906		
120	20.8	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.644 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 910550

Ion Ratio Lower Upper

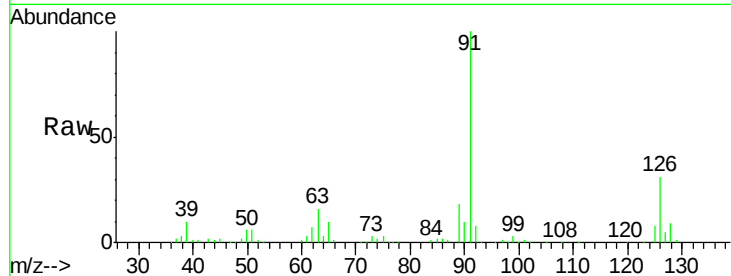
91 100

126 30.8 18.6 55.8

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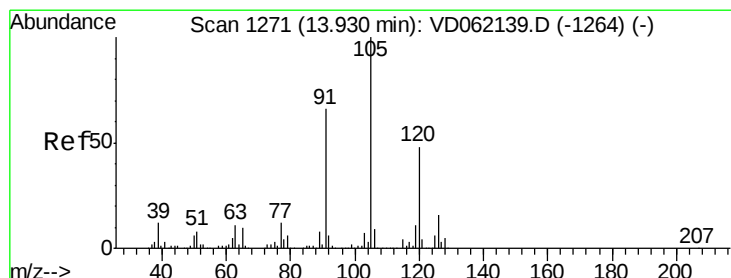
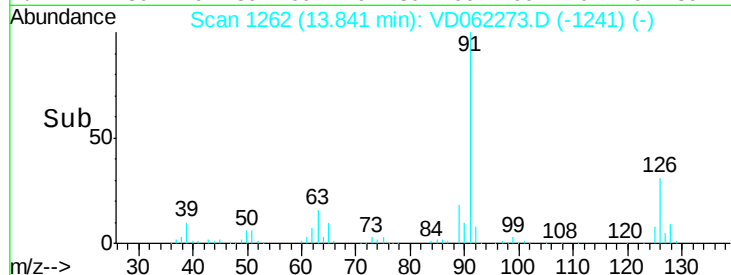
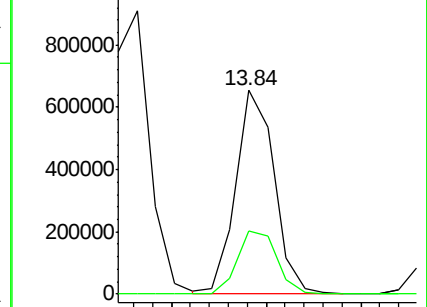
MMDadoda

5/13/2019 11:55:48 AM



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: 50.566 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062273.D

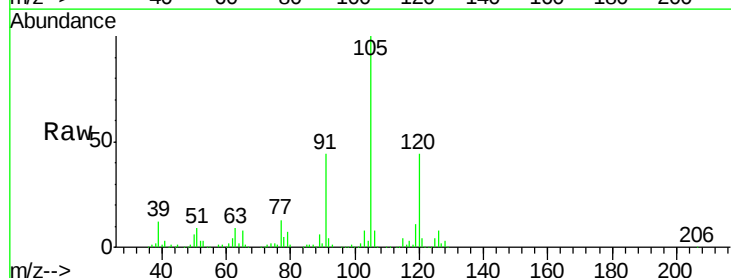
Acq: 12 May 2019 22:41

Tgt Ion: 105 Resp: 1038578

Ion Ratio Lower Upper

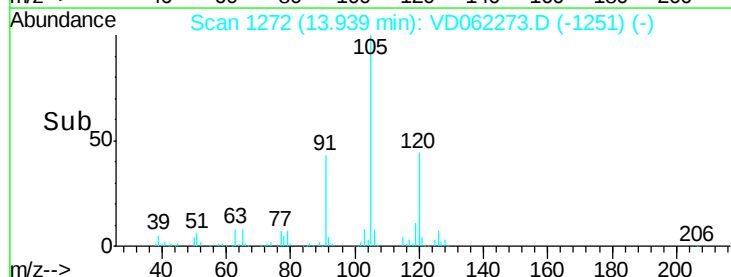
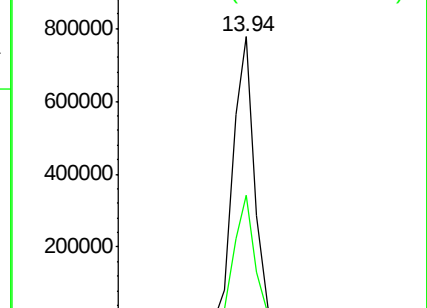
105 100

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: 44.170 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 60298

Ion Ratio Lower Upper

75 100

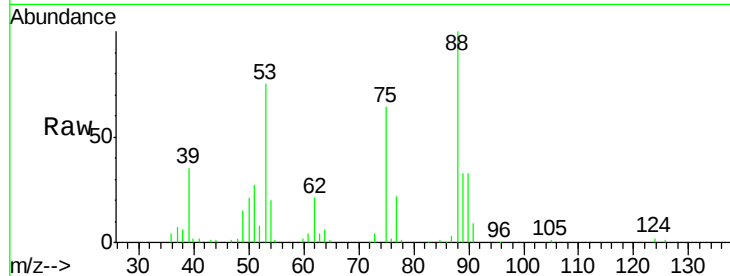
53 117.5 65.8 98.8#

89 51.9 35.0 52.6

Manual Integrations
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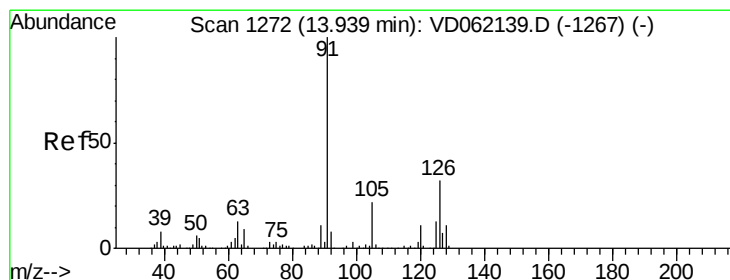
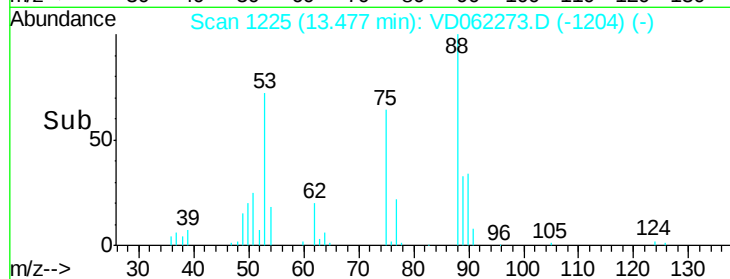
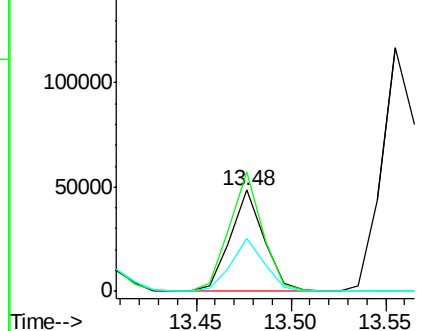
5/13/2019 11:55:48 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.320 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062273.D

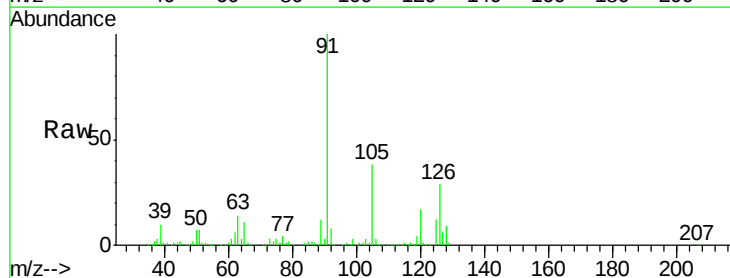
Acq: 12 May 2019 22:41

Tgt Ion: 91 Resp: 1025929

Ion Ratio Lower Upper

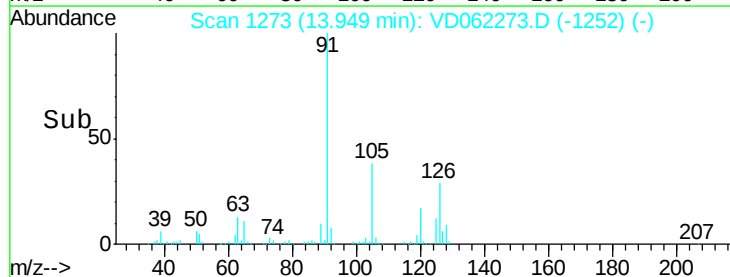
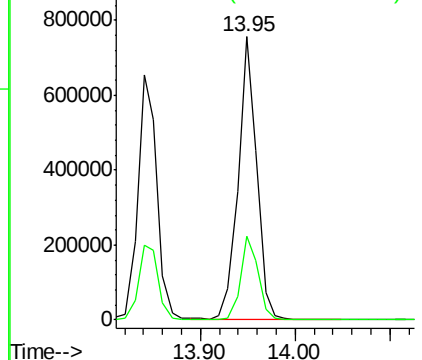
91 100

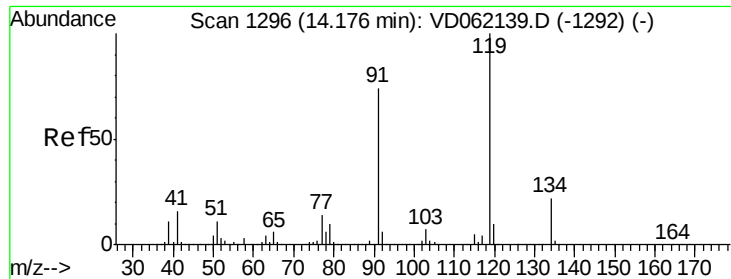
126 29.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





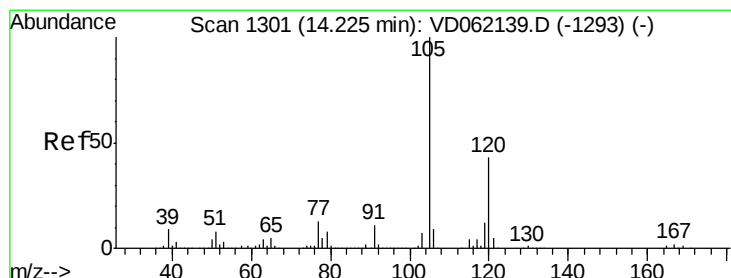
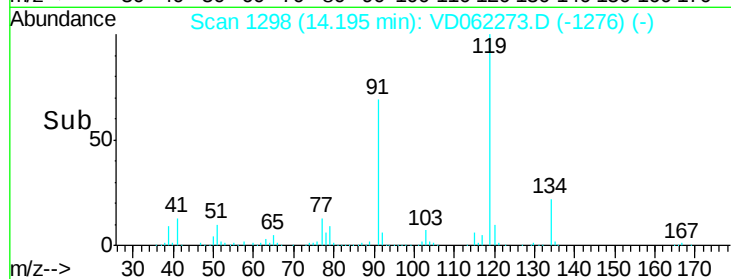
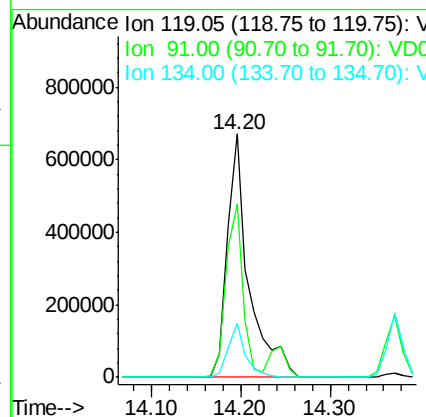
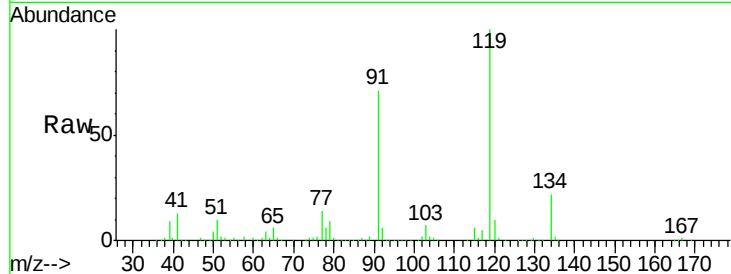
#83
tert-Butylbenzene
Concen: 49.641 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1145985
Ion Ratio Lower Upper
119 100
91 71.0 34.2 102.6
134 22.0 12.0 36.0

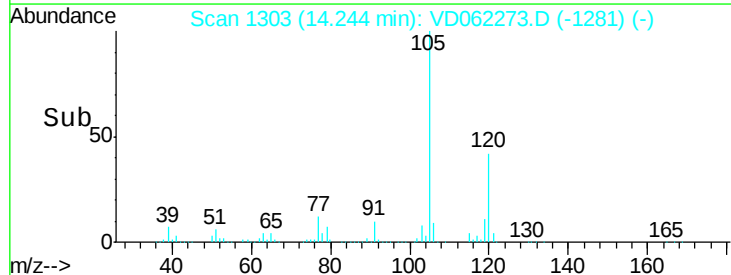
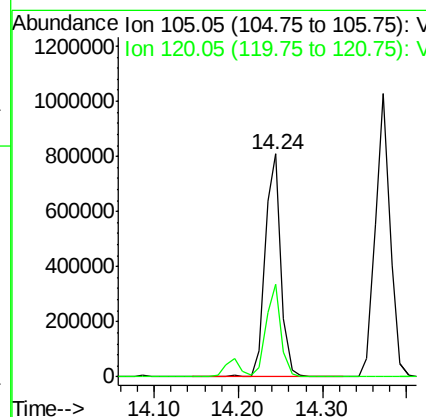
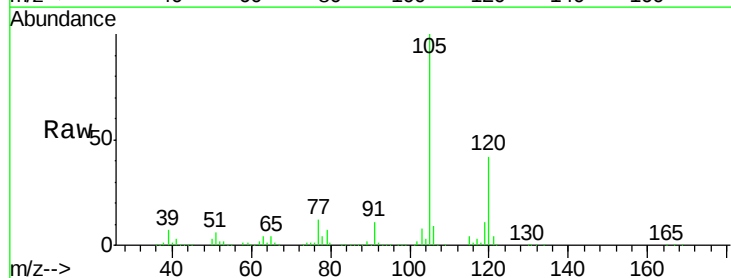
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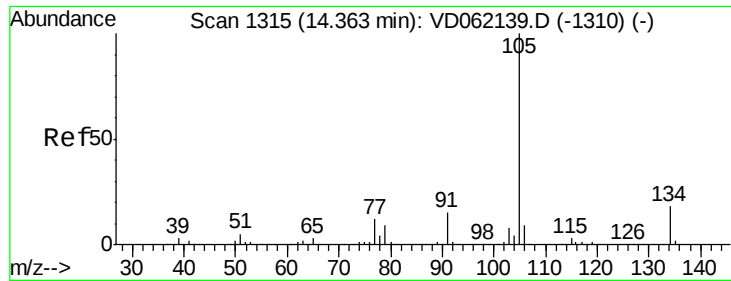
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5/13/2019 11:55:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.589 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:105 Resp: 1063284
Ion Ratio Lower Upper
105 100
120 41.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.237 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1246260

Ion Ratio Lower Upper

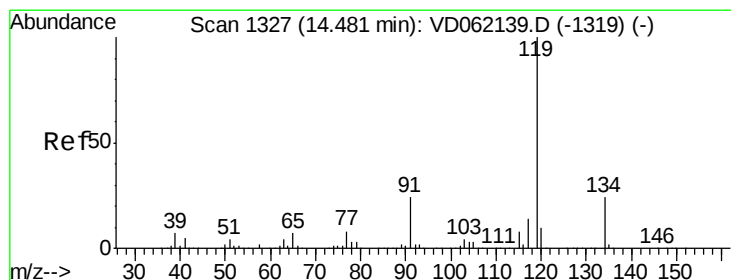
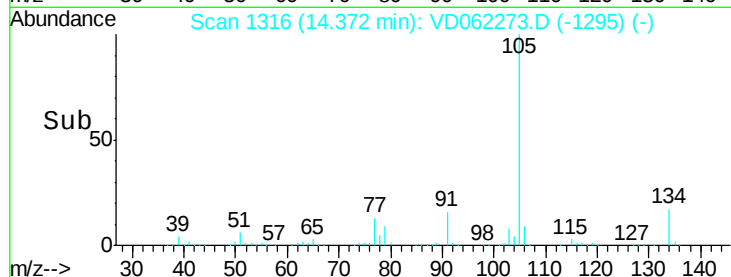
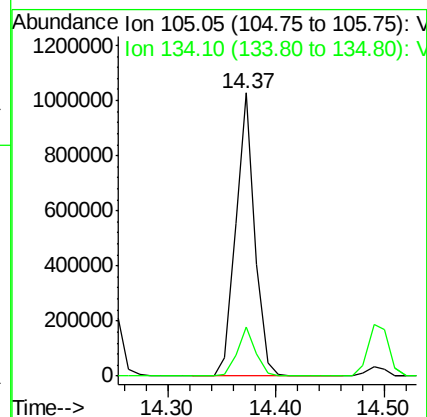
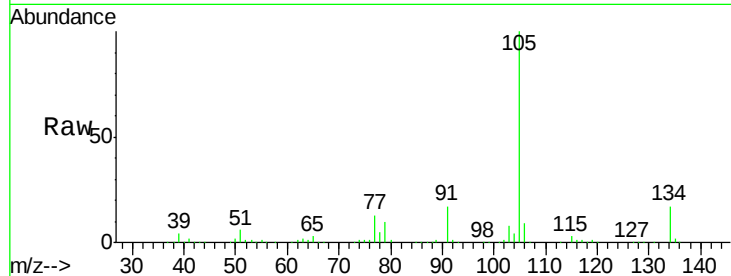
105 100

134 17.3 8.9 26.7

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.871 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

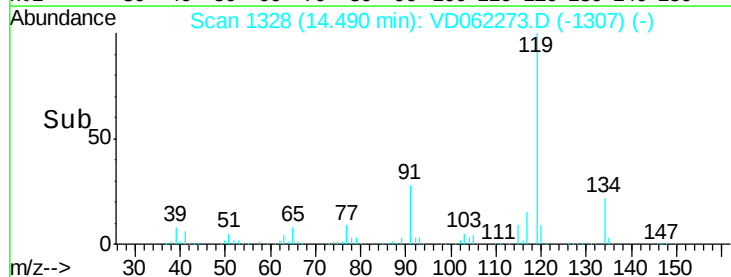
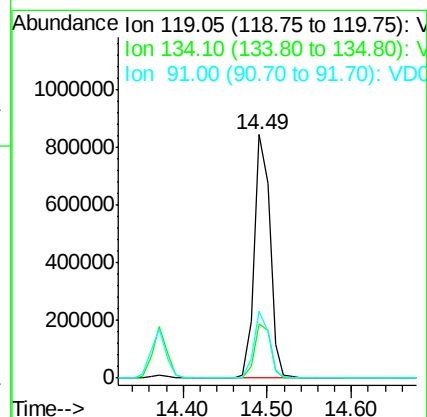
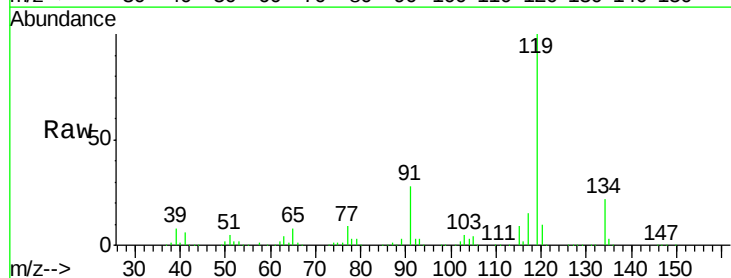
Tgt Ion:119 Resp: 1105174

Ion Ratio Lower Upper

119 100

134 22.2 12.8 38.3

91 27.7 10.7 32.1





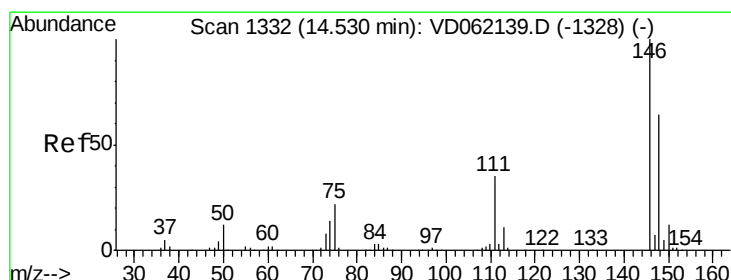
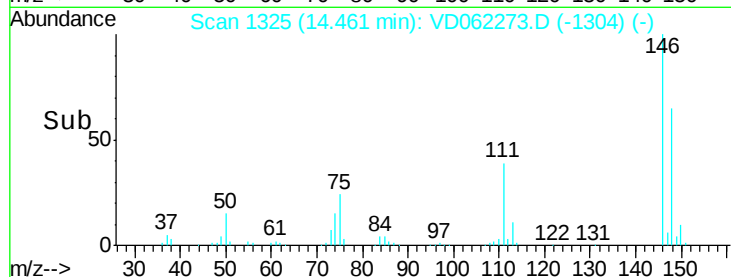
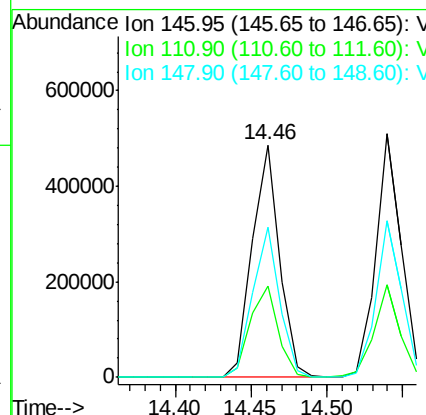
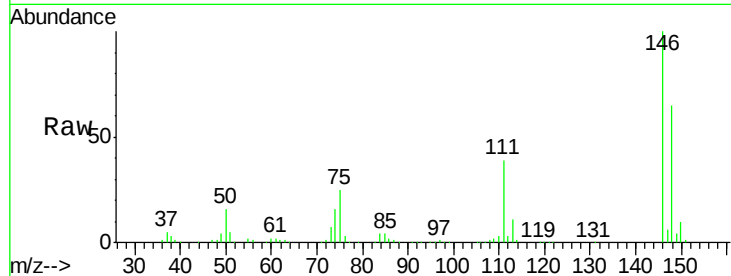
#87
 1,3-Dichlorobenzene
 Concen: 49.142 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.9	31.8	95.4

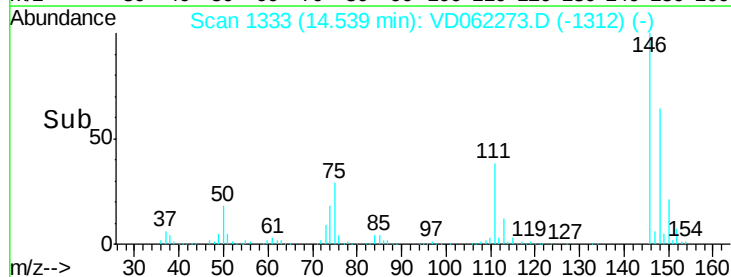
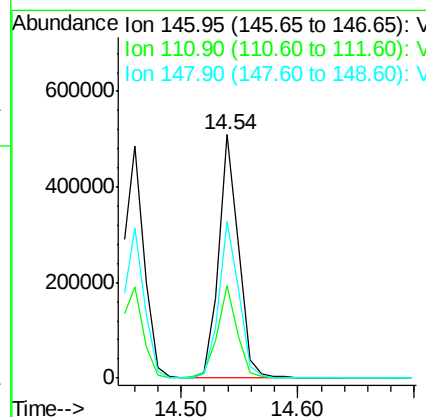
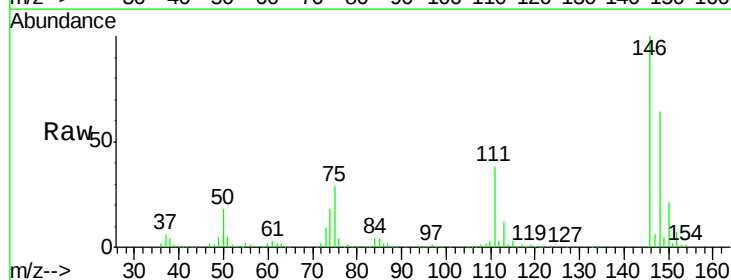
Manual Integrations
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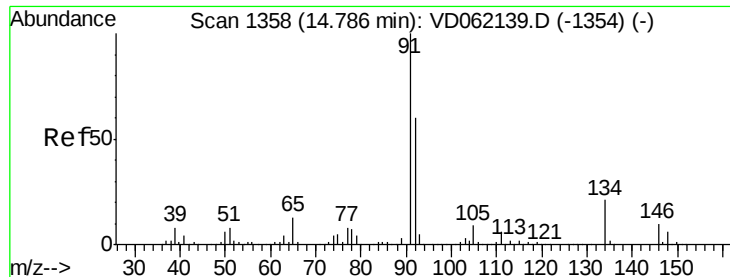
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#88
 1,4-Dichlorobenzene
 Concen: 49.129 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.2	60.5
148	64.2	32.0	96.2





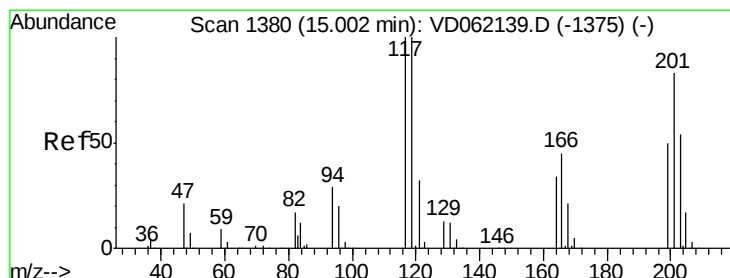
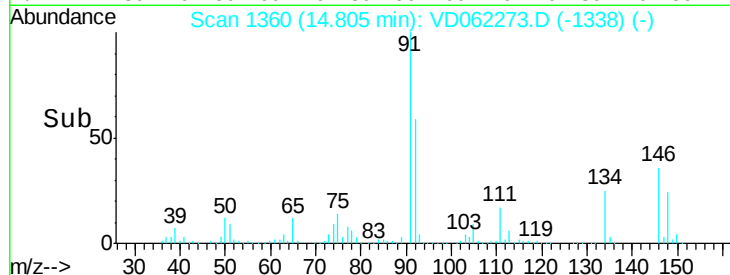
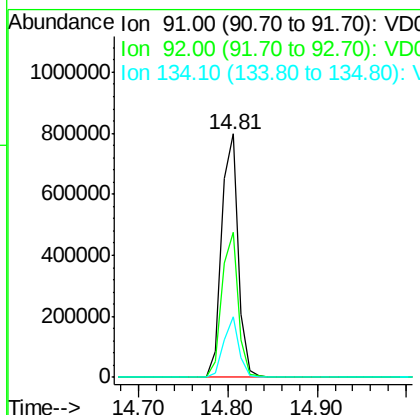
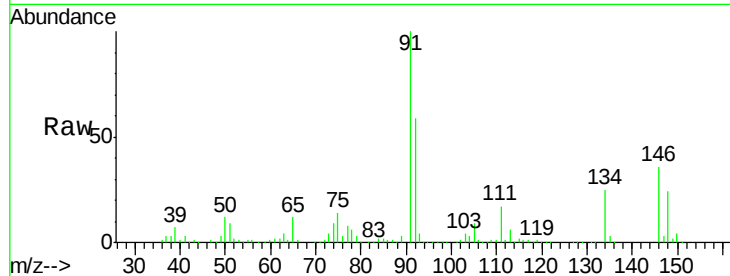
#89
n-Butylbenzene
Concen: 51.839 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1052227
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 24.7 14.5 43.6

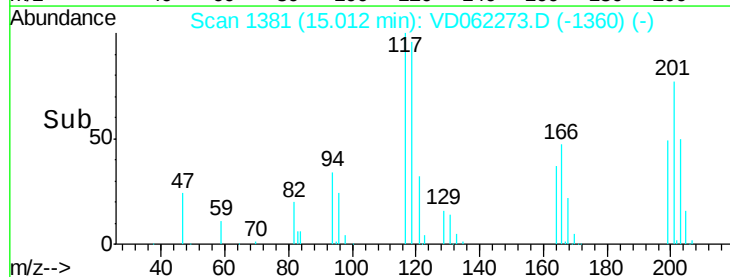
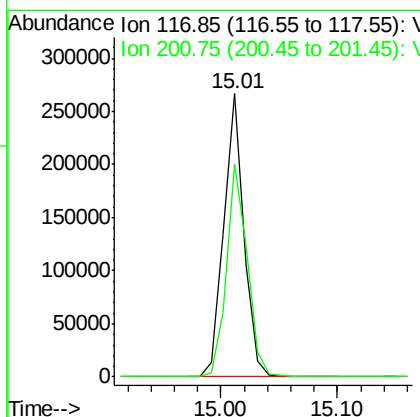
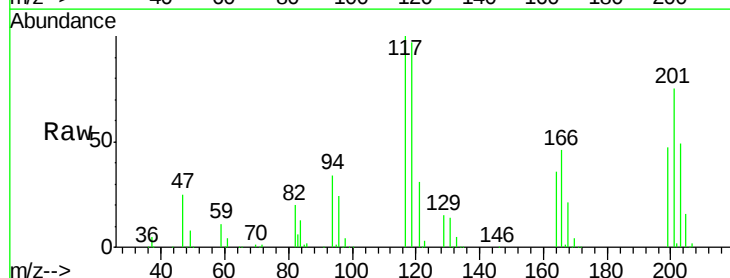
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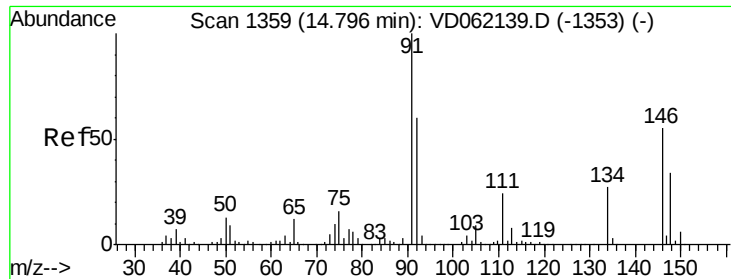
MMDadoda
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#90
Hexachloroethane
Concen: 51.777 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 117 Resp: 318417
Ion Ratio Lower Upper
117 100
201 75.2 30.2 90.6





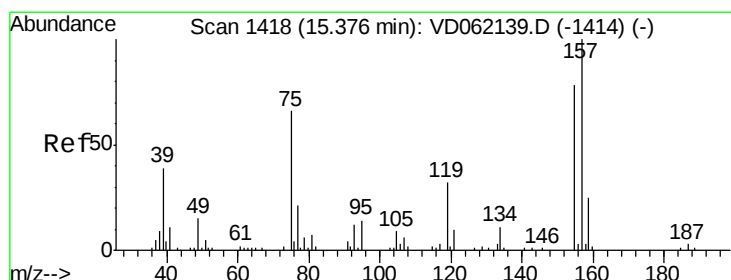
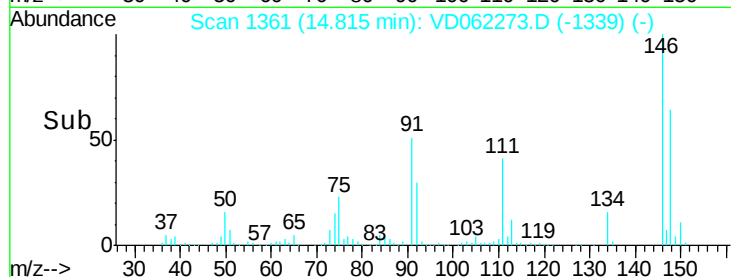
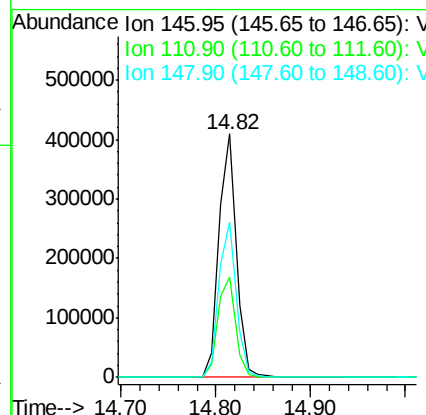
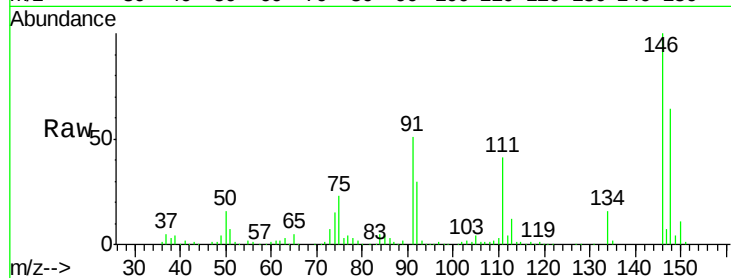
#91
 1,2-Dichlorobenzene
 Concen: 51.222 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	59.9
148	63.7	32.3	96.8

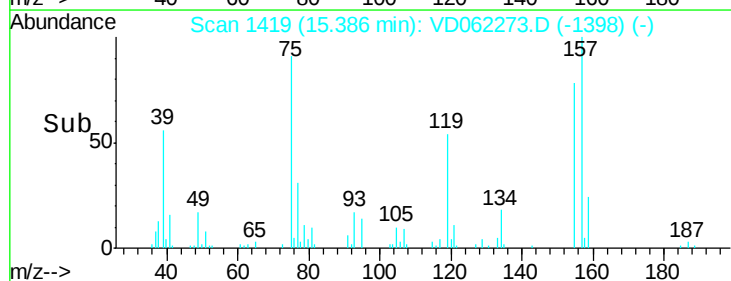
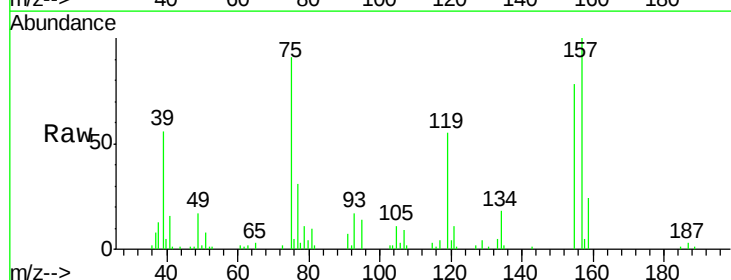
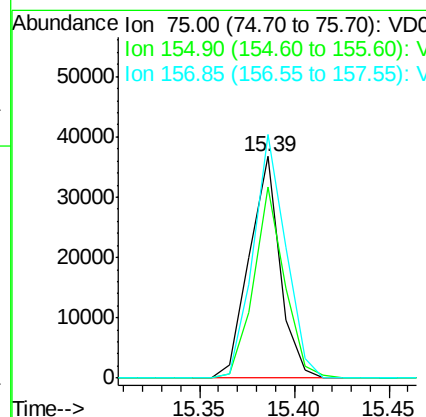
Manual Integrations
 APPROVED

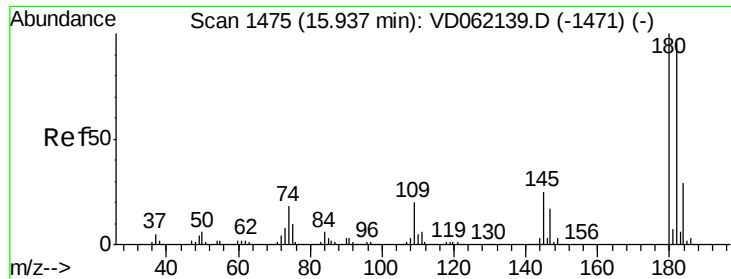
MMDadoda
 5/13/2019 11:55:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.591 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	55.3	165.8
157	109.9	67.8	203.2





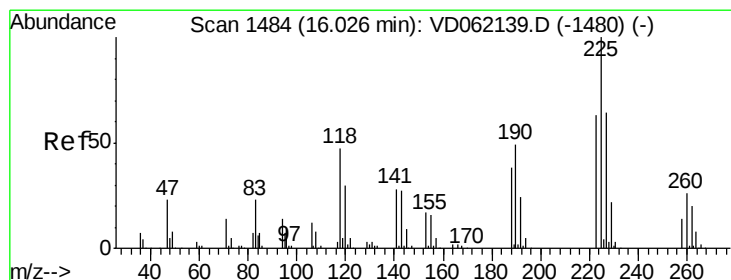
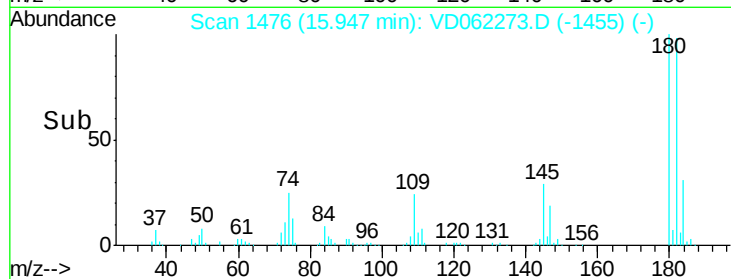
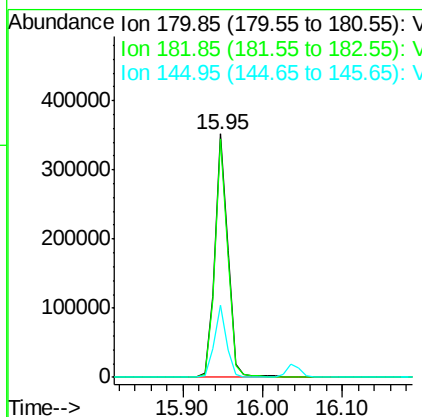
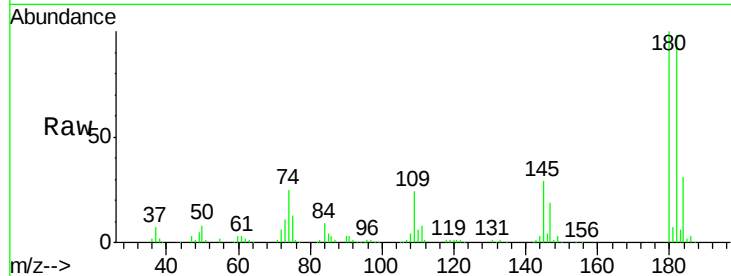
#93
 1,2,4-Trichlorobenzene
 Concen: 54.953 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.3	147.8
145	29.4	16.2	48.6

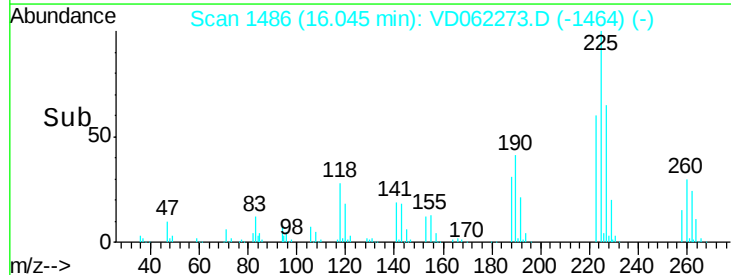
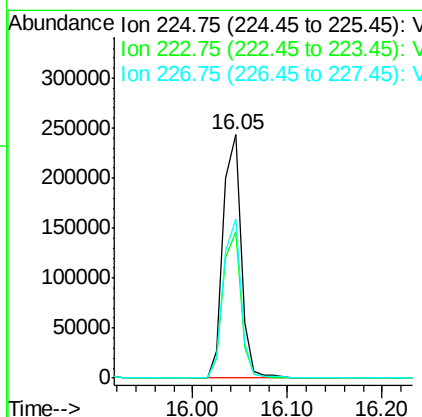
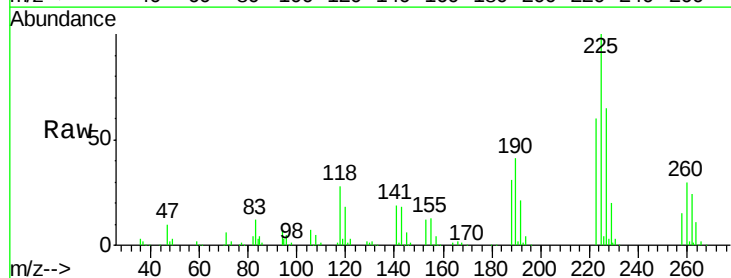
Manual Integrations
 APPROVED

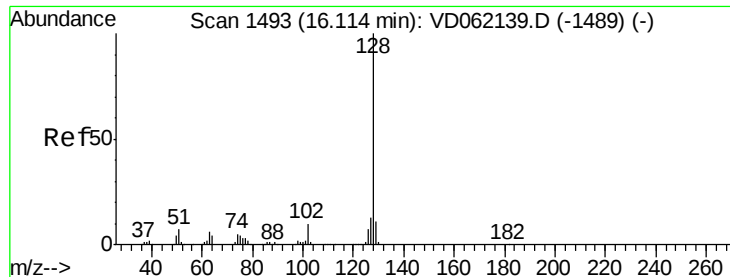
MMDadoda
 5/13/2019 11:55:48 AM



#94
 Hexachlorobutadiene
 Concen: 57.865 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	30.6	92.0
227	65.5	32.0	96.2





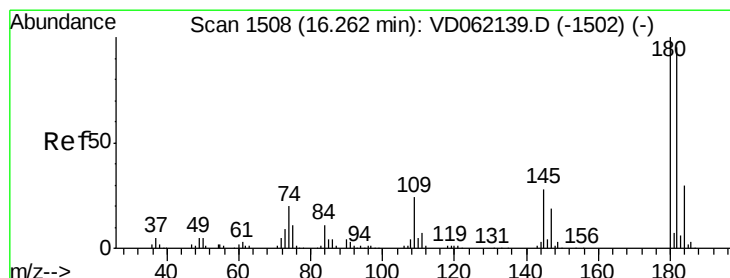
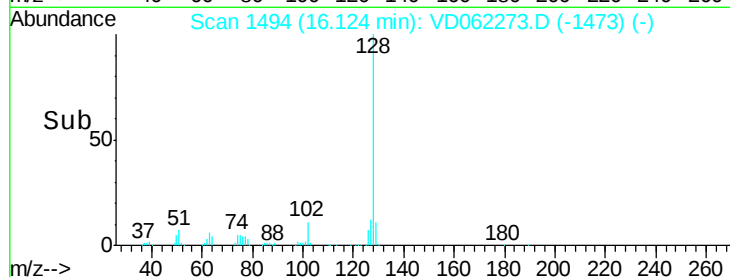
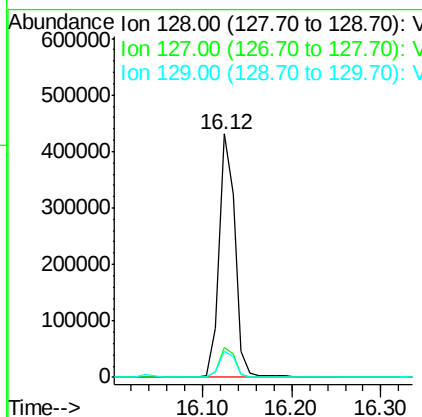
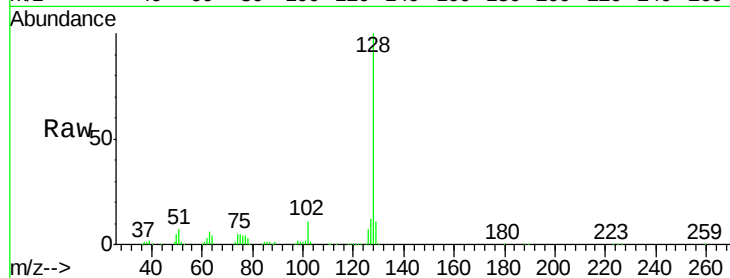
#95
Naphthalene
Concen: 51.825 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	540968		
127	12.5		9.8	14.8
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/13/2019 11:55:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 66.701 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	313556		
182	93.1		47.0	141.0
145	31.4		17.0	51.0

