

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062328.D
 Acq On : 14 May 2019 3:26
 Operator : FY/SY
 Sample : K2735-06MSD
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:54 AM

Quant Time: May 14 06:57:02 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	7.07	168	618504	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	883477	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	630871	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	270774	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	323189	56.23	ug/l	0.06
Spiked Amount	50.000		Recovery	=	112.46%	
35) Dibromofluoromethane	6.95	113	401552	54.78	ug/l	0.06
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	10.43	98	787415	44.55	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.10%	
62) 4-Bromofluorobenzene	13.56	95	302502	42.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	374322	63.279	ug/l	99
3) Chloromethane	1.76	50	244452	57.190	ug/l	98
4) Vinyl Chloride	1.86	62	270833	64.472	ug/l	98
5) Bromomethane	2.17	94	120342	122.261	ug/l	99
6) Chloroethane	2.28	64	129124	73.254	ug/l	94
7) Trichlorofluoromethane	2.55	101	613637	75.137	ug/l	98
8) Diethyl Ether	2.89	74	75749	48.092	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.17	101	380156	61.534	ug/l	97
10) Methyl Iodide	3.33	142	505957	54.187	ug/l #	81
11) Tert butyl alcohol	4.09	59	67518	230.126	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	307560	65.216	ug/l	88
14) Allvl chloride	3.64	41	405744	59.172	ug/l #	78
15) Acrylonitrile	4.21	53	148496	192.558	ug/l	94
16) Acetone	3.24	43	216651	179.736	ug/l #	84
17) Carbon Disulfide	3.40	76	780300	57.517	ug/l	99
18) Methyl Acetate	3.66	43	298980	139.227	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	555584	54.962	ug/l	95
20) Methylene Chloride	3.84	84	299244	59.457	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	320772	61.125	ug/l	91
22) Diisopropyl ether	5.15	45	893868	61.259	ug/l #	88
23) Vinyl Acetate	5.15	43	534328	69.405	ug/l #	77
24) 1,1-Dichloroethane	5.02	63	583212	66.255	ug/l	99
25) 2-Butanone	6.09	43	228920	174.112	ug/l	94
26) 2,2-Dichloropropane	6.05	77	518599	59.144	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	359011	61.118	ug/l	97
28) Bromochloromethane	6.47	49	170549	49.246	ug/l	94
29) Tetrahydrofuran	6.49	42	144453	238.451	ug/l	95
30) Chloroform	6.69	83	755455	71.211	ug/l	99
31) Cyclohexane	6.98	56	365732	60.645	ug/l	96
32) 1,1,1-Trichloroethane	6.90	97	730003	72.802	ug/l	99
36) 1,1-Dichloropropene	7.17	75	469637	64.834	ug/l	95
37) Ethyl Acetate	6.20	43	50484	16.434	ug/l #	94
38) Carbon Tetrachloride	7.14	117	722463m	72.060	ug/l	
39) Methylcyclohexane	8.89	83	363932	52.437	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.48	78	979798	59.901	ug/l	100
41) Methacrylonitrile	6.47	41	180195	48.000	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	466645	67.335	ug/l	94
43) Isopropyl Acetate	9.26	43	56028	12.860	ug/l	99
44) Trichloroethene	8.56	130	360412	57.824	ug/l	86
45) 1,2-Dichloropropane	8.96	63	237927	58.806	ug/l	97
46) Dibromomethane	9.08	93	187718	57.055	ug/l	93
47) Bromodichloromethane	9.40	83	538203	66.877	ug/l	97
48) Methyl methacrylate	9.14	41	143681	53.541	ug/l #	85
49) 1,4-Dioxane	9.10	88	25057	865.401	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	599326	214.005	ug/l	93
52) Toluene	10.53	92	580578	54.552	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	353238	50.786	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	405232	53.405	ug/l #	88
55) 1,1,2-Trichloroethane	11.21	97	198289	52.658	ug/l	99
56) Ethyl methacrylate	11.06	69	67517	17.255	ug/l #	91
57) 1,3-Dichloropropane	11.43	76	287945	50.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	362833	169.753	ug/l	98
59) 2-Hexanone	11.54	43	358666	173.764	ug/l	86
60) Dibromochloromethane	11.70	129	374937	57.614	ug/l	100
61) 1,2-Dibromoethane	11.82	107	228140	49.833	ug/l	99
64) Tetrachloroethene	11.28	164	321137	65.098	ug/l	91
65) Chlorobenzene	12.41	112	677268	57.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	358557	70.115	ug/l	94
67) Ethyl Benzene	12.54	91	1366913	69.487	ug/l	96
68) m/p-Xylenes	12.68	106	849464	118.691	ug/l	85
69) o-Xylene	13.06	106	401516	60.344	ug/l	81
70) Stvrene	13.08	104	462652	41.046	ug/l	94
71) Bromoform	13.25	173	199692	56.127	ug/l #	99
73) Isopropylbenzene	13.41	105	1184835	72.998	ug/l	96
74) N-amyl acetate	13.28	43	57647	13.547	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	192368	62.605	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	191447	59.494	ug/l	98
77) Bromobenzene	13.68	156	323136	71.118	ug/l	94
78) n-propylbenzene	13.78	91	1251657	64.646	ug/l	91
79) 2-Chlorotoluene	13.85	91	715118	64.490	ug/l	88
80) 1,3,5-Trimethylbenzene	13.95	105	963050	70.461	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	43946	48.375	ug/l #	62
82) 4-Chlorotoluene	13.96	91	860968	65.980	ug/l	86
83) tert-Butylbenzene	14.20	119	1079164	70.246	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	922748	67.277	ug/l	93
85) sec-Butylbenzene	14.38	105	1028889	61.085	ug/l	99
86) p-Isopropyltoluene	14.50	119	927016	61.601	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	471903	56.855	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	427008	52.358	ug/l	98
89) n-Butylbenzene	14.80	91	688596	50.979	ug/l	93
90) Hexachloroethane	15.02	117	275917	67.421	ug/l	73
91) 1,2-Dichlorobenzene	14.82	146	392095	57.360	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	30268	60.009	ug/l	99
93) 1,2,4-Trichlorobenzene	15.95	180	221063	44.431	ug/l	95

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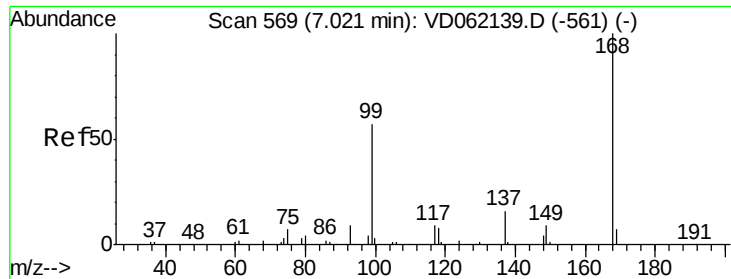
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	127332	34.409	ug/l	99
95) Naphthalene	16.13	128	308944	44.476	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	149094	47.660	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:168 Resp: 618504

Ion Ratio Lower Upper

168 100

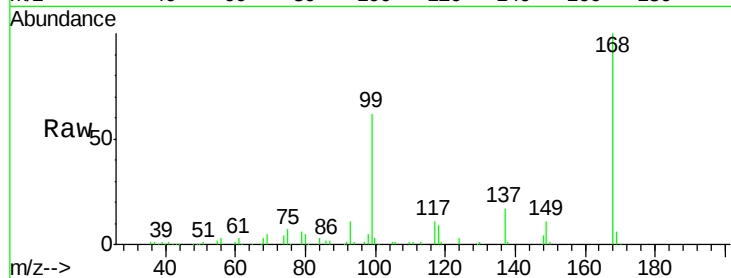
99 62.3 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

100000

50000

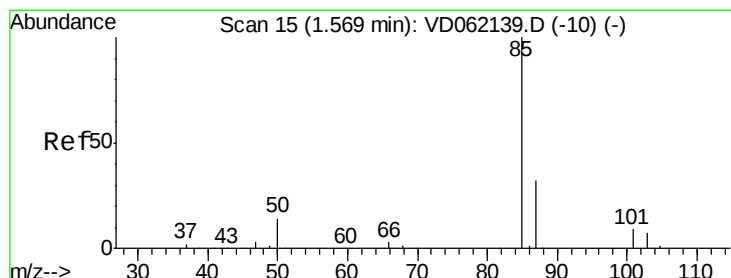
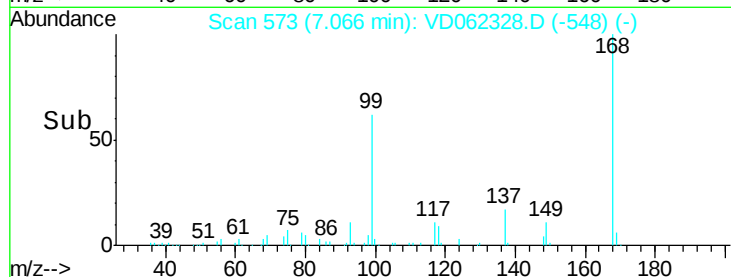
0

7.00

7.10

7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 63.279 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.02 min

Lab File: VD062328.D

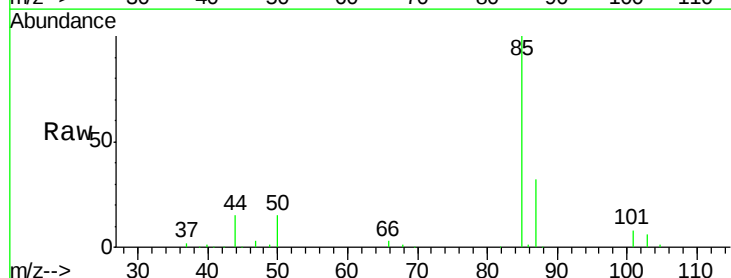
Acq: 14 May 2019 3:26

Tgt Ion: 85 Resp: 374322

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

150000

100000

50000

0

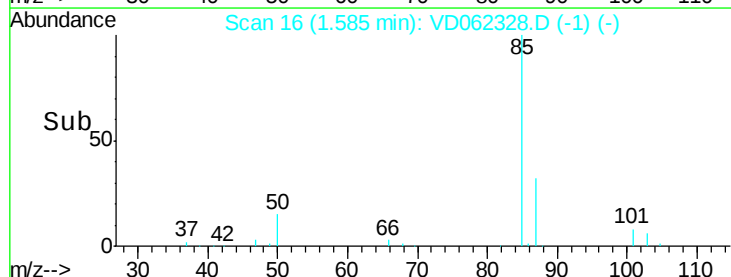
1.50

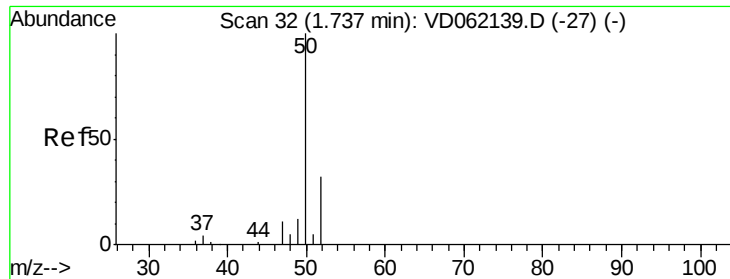
1.60

1.70

1.80

Time-->





#3

Chloromethane

Concen: 57.190 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 50 Resp: 244452

Ion Ratio Lower Upper

50 100

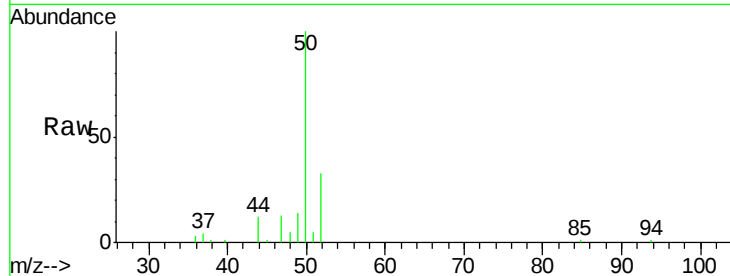
52 32.8 25.2 37.8

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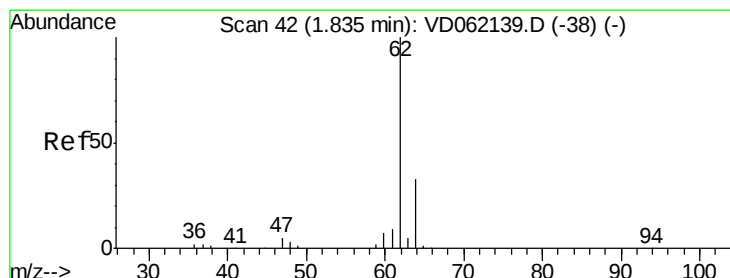
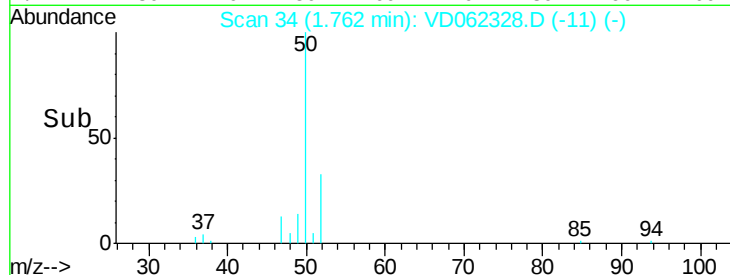
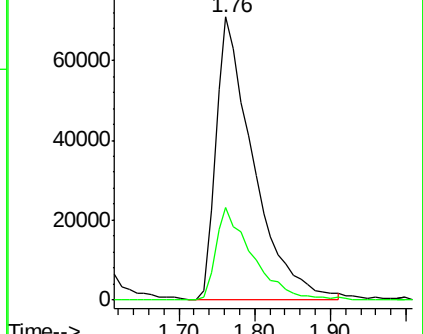
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.472 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.03 min

Lab File: VD062328.D

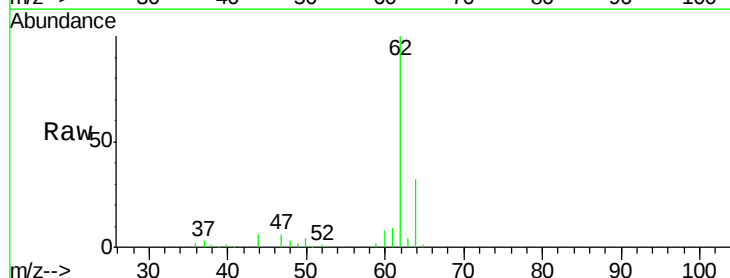
Acq: 14 May 2019 3:26

Tgt Ion: 62 Resp: 270833

Ion Ratio Lower Upper

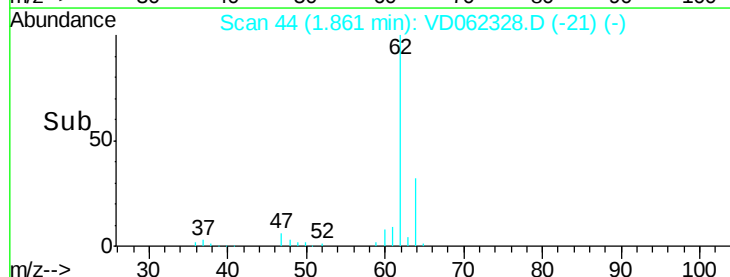
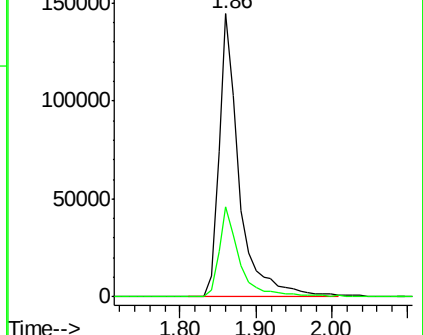
62 100

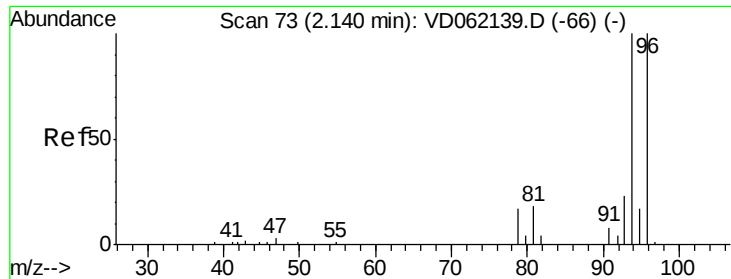
64 32.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 122.261 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

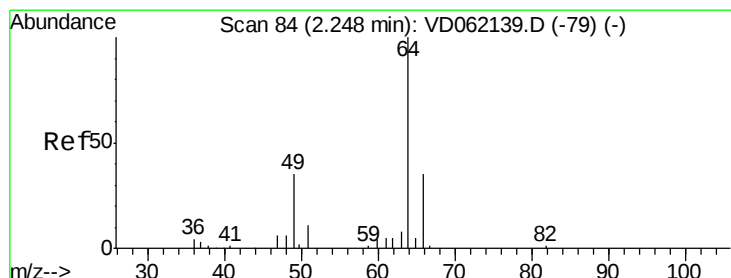
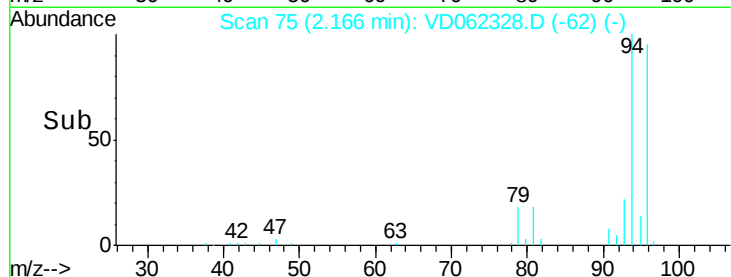
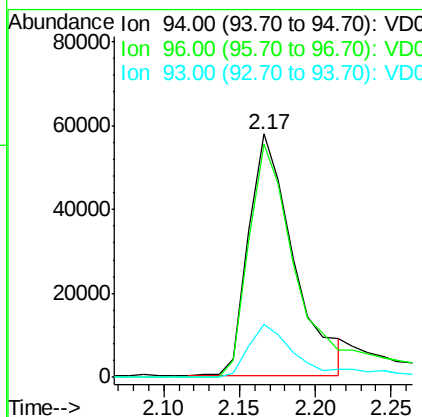
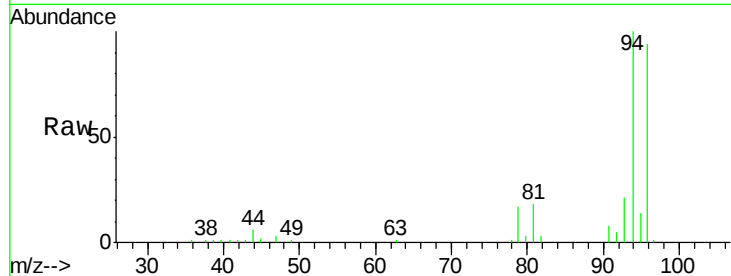
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	94	Resp:	120342
Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.6	115.0
93	21.5	18.5	27.7

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#6

Chloroethane

Concen: 73.254 ug/l

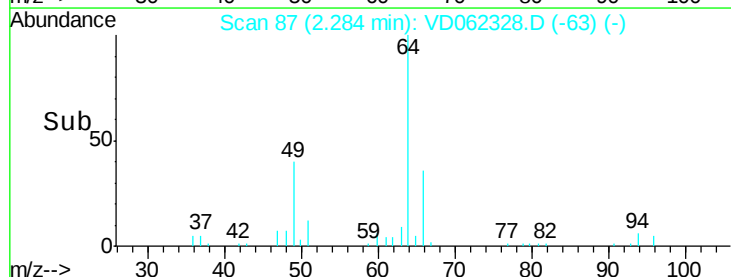
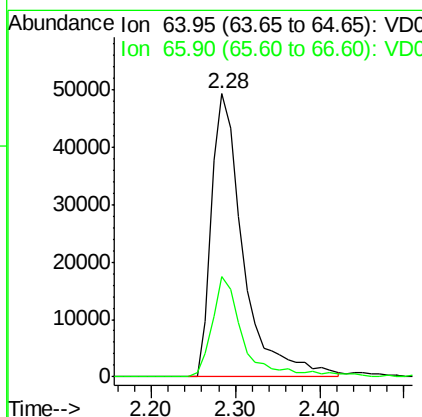
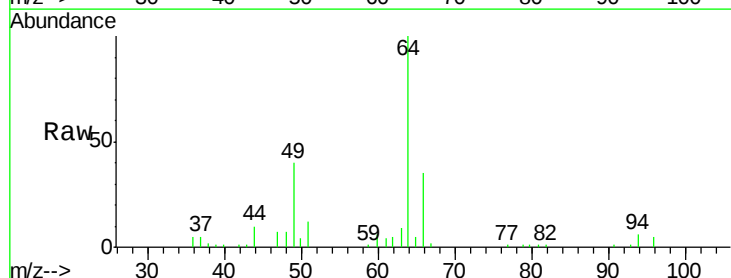
RT: 2.28 min Scan# 87

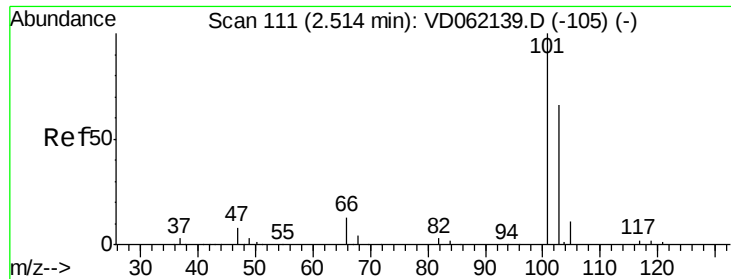
Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	64	Resp:	129124
Ion	Ratio	Lower	Upper
64	100		
66	35.4	25.6	38.4





#7

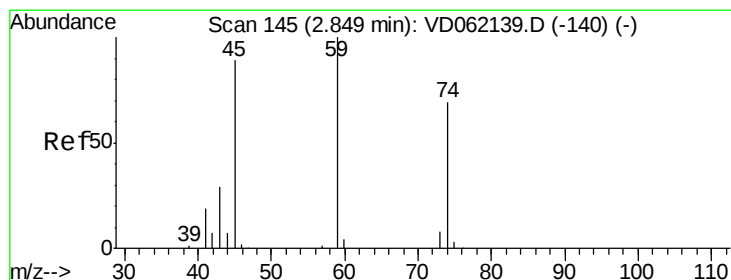
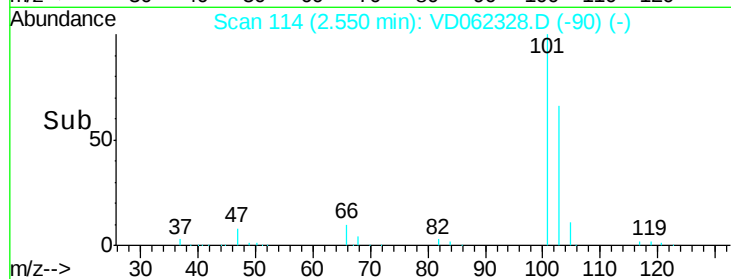
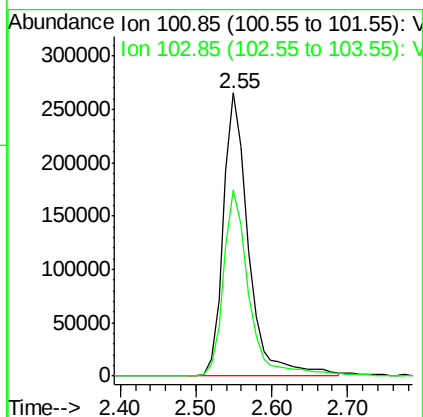
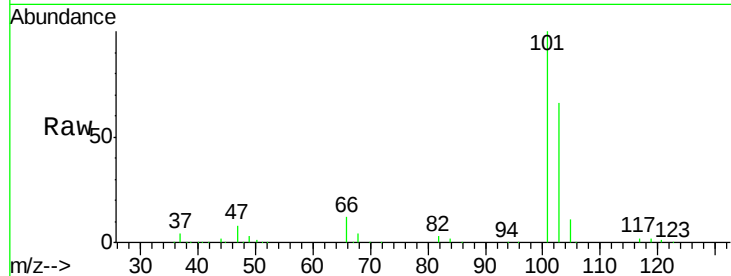
Trichlorofluoromethane
Concen: 75.137 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

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P026-SS015-1824-01MSD

Tot Ion:101 Resp: 613637
Ion Ratio Lower Upper
101 100
103 65.6 53.6 80.4

Manual Integrations
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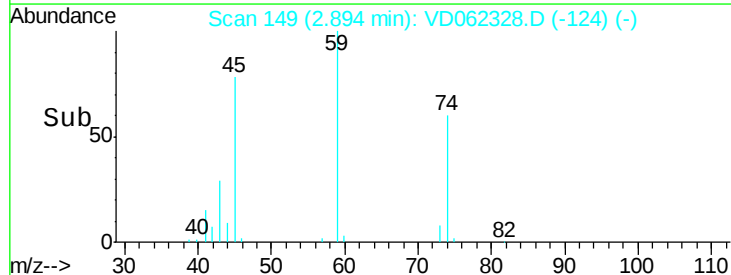
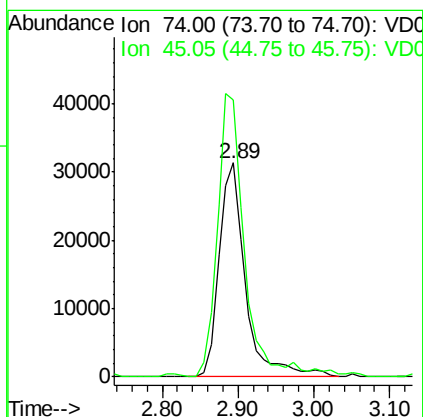
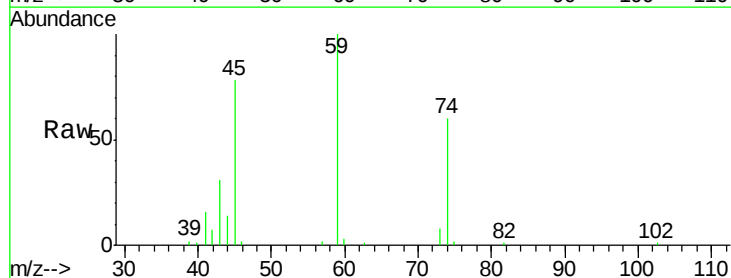
MMDadoda
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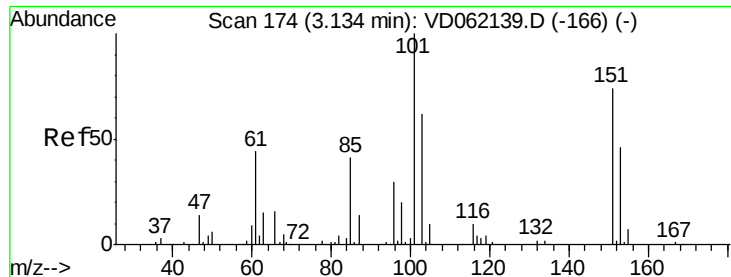


#8

Diethyl Ether
Concen: 48.092 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 74 Resp: 75749
Ion Ratio Lower Upper
74 100
45 129.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.534 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

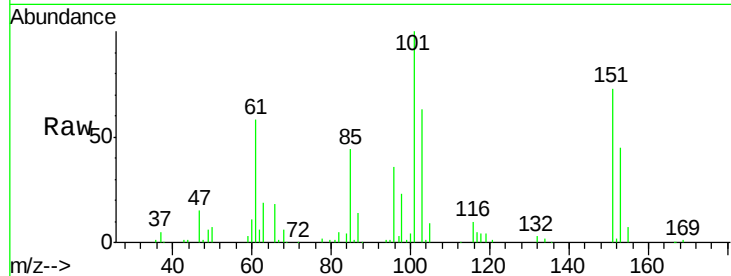
ClientSampleId :

P026-SS015-1824-01MSD

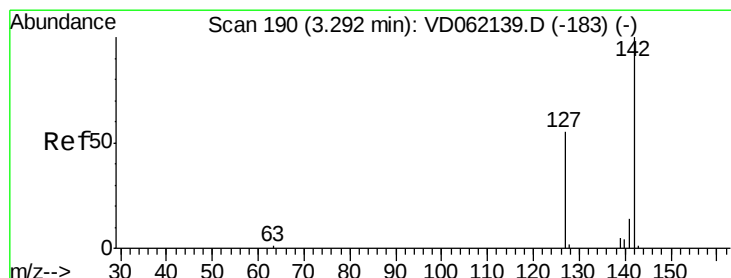
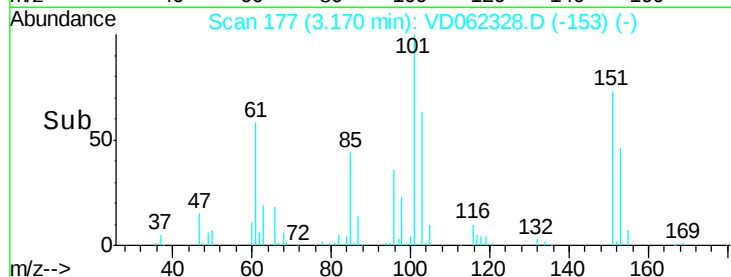
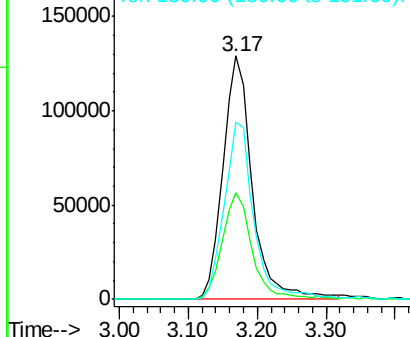
Tot Ion:	101	Resp:	380156
Ion Ratio	Lower	Upper	
101	100		
85	43.7	32.4	48.6
151	72.8	59.4	89.0

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



#10

Methyl Iodide

Concen: 54.187 ug/l

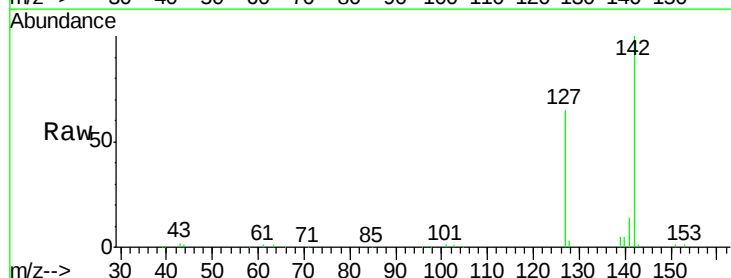
RT: 3.33 min Scan# 193

Delta R.T. 0.04 min

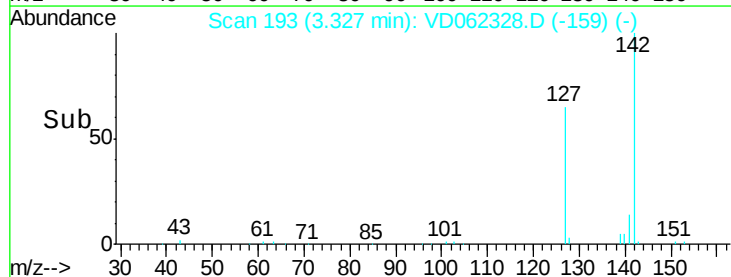
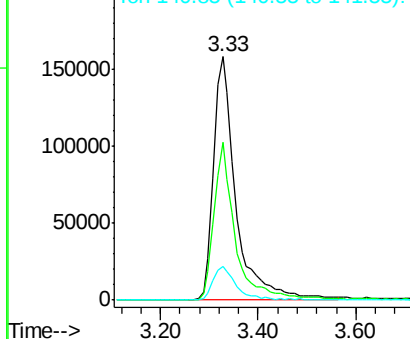
Lab File: VD062328.D

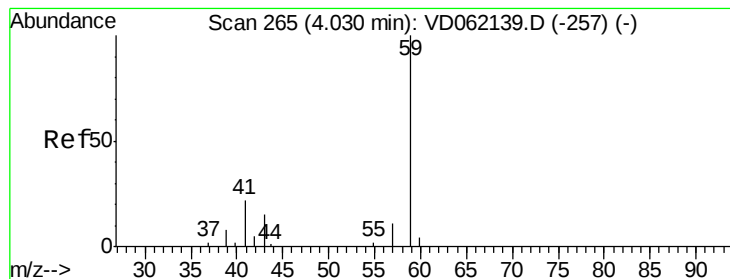
Acq: 14 May 2019 3:26

Tgt Ion:	142	Resp:	505957
Ion Ratio	Lower	Upper	
142	100		
127	64.7	38.8	58.2#
141	14.1	11.4	17.0



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





#11

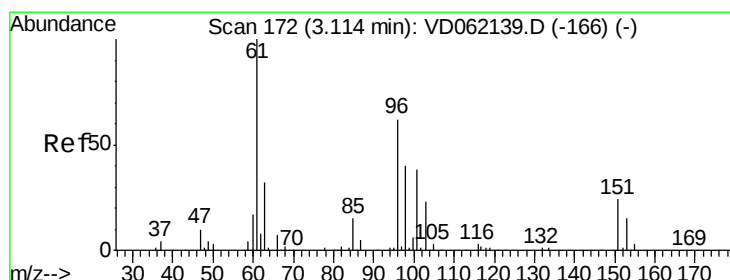
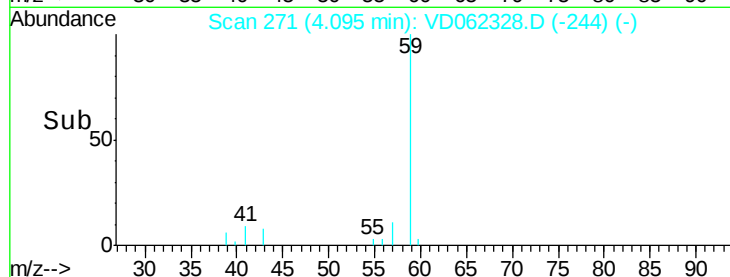
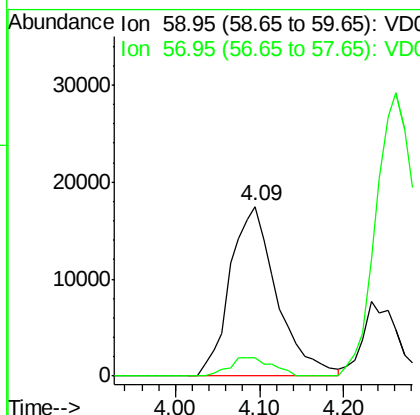
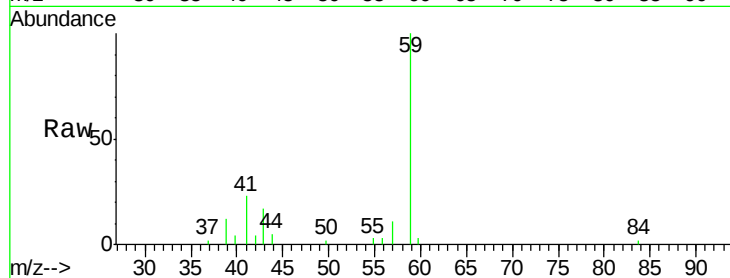
Tert butyl alcohol
 Concen: 230.126 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion: 59 Resp: 67518
 Ion Ratio Lower Upper
 59 100
 57 10.7 6.9 10.3#

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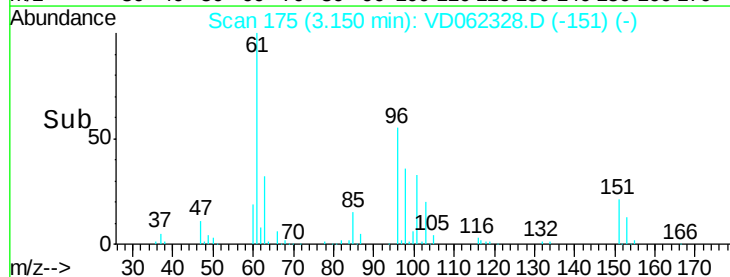
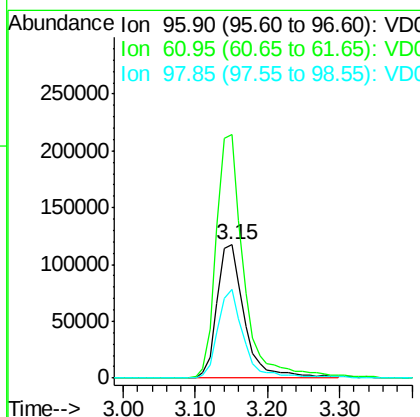
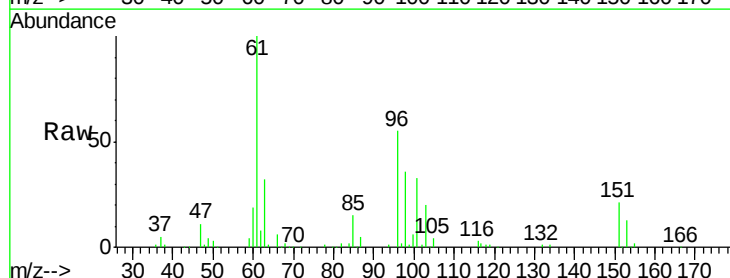
MMDadoda
 5/14/2019 9:50:54 AM

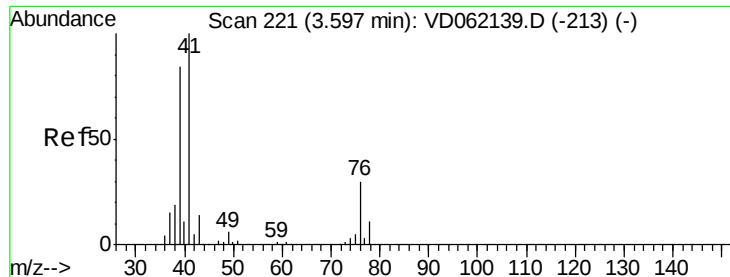


#12

1,1-Dichloroethene
 Concen: 65.216 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 96 Resp: 307560
 Ion Ratio Lower Upper
 96 100
 61 183.0 129.8 194.8
 98 66.3 51.2 76.8





#14

Allvl chloride

Concen: 59.172 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

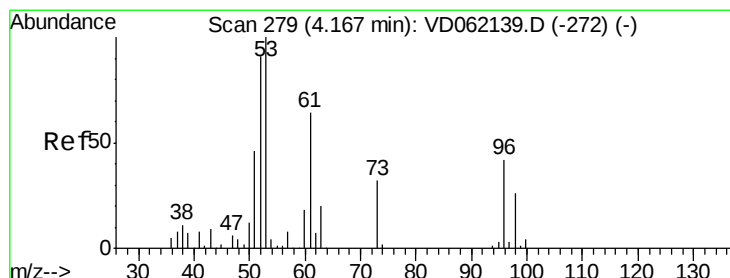
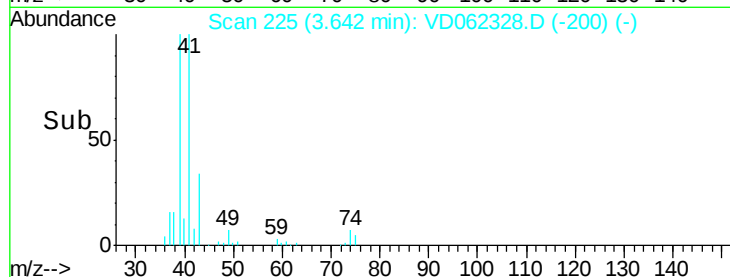
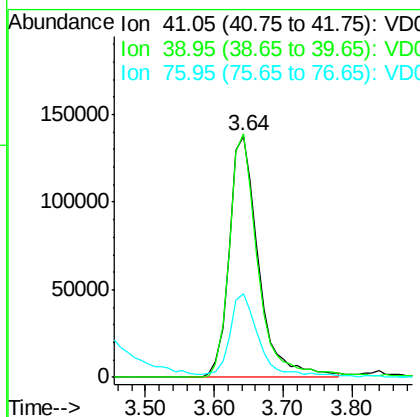
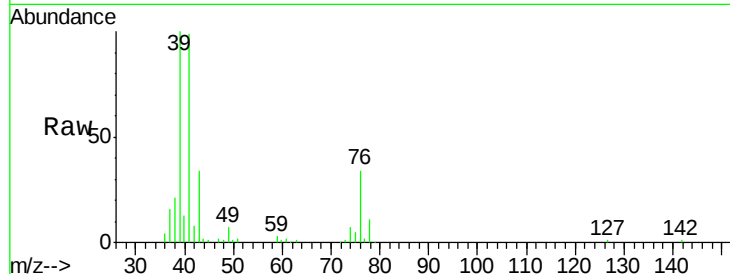
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	41	Resp:	405744
Ion Ratio	Lower	Upper	
41	100		
39	100.9	60.5	90.7#
76	34.8	31.8	47.8

Manual Integrations
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#15

Acrylonitrile

Concen: 192.558 ug/l

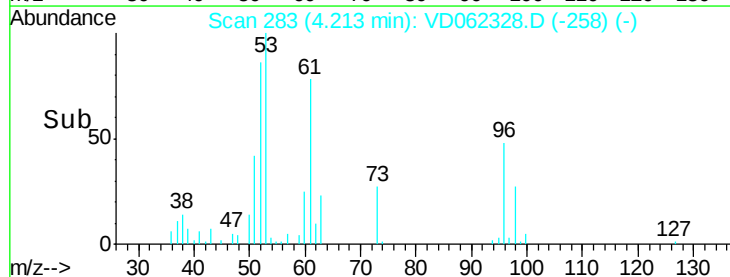
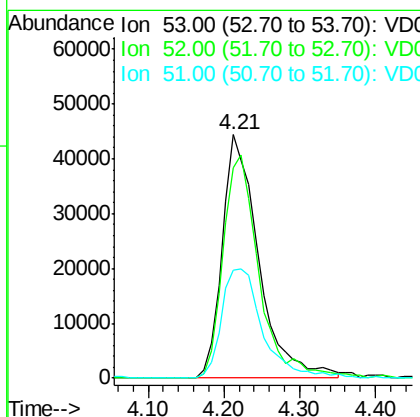
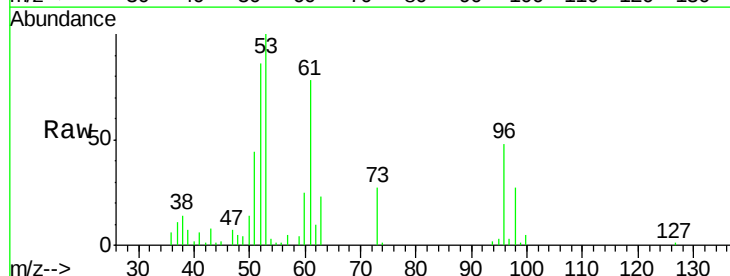
RT: 4.21 min Scan# 283

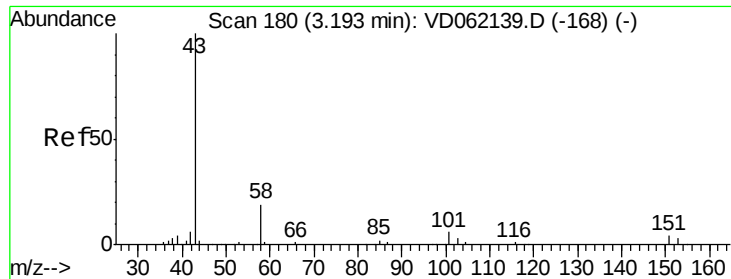
Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	53	Resp:	148496
Ion Ratio	Lower	Upper	
53	100		
52	86.5	65.0	97.4
51	44.4	32.6	48.8





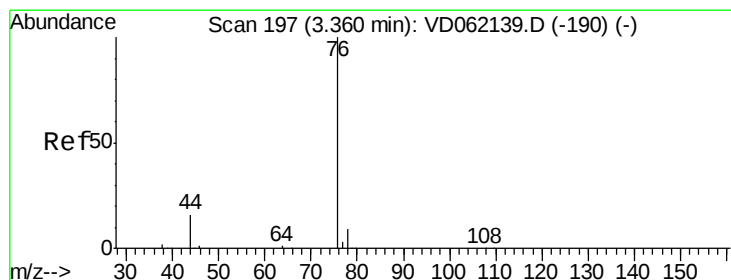
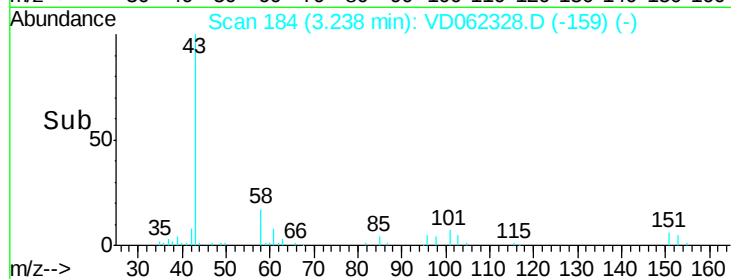
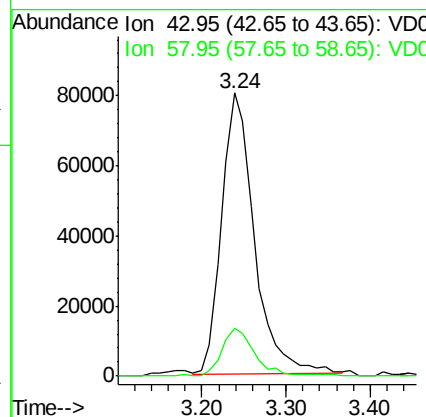
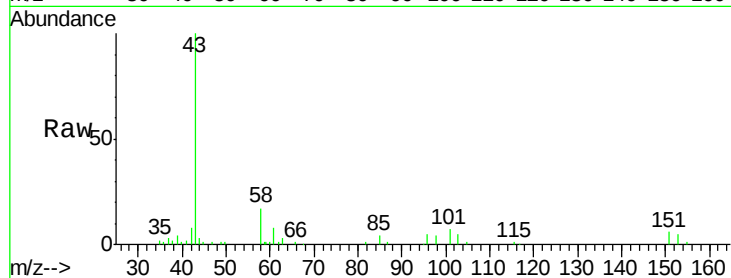
#16
Acetone
Concen: 179.736 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	16.7	19.9	29.9#

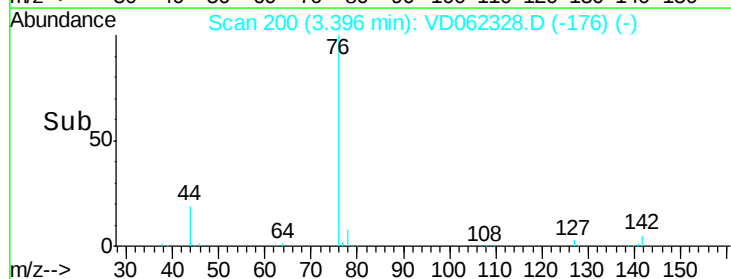
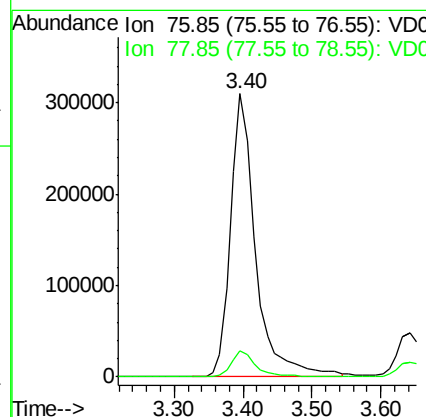
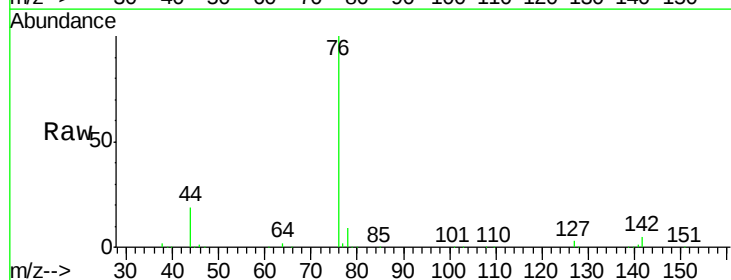
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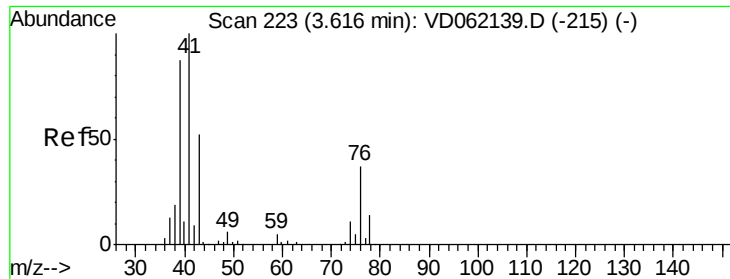
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#17
Carbon Disulfide
Concen: 57.517 ug/l
RT: 3.40 min Scan# 200
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8





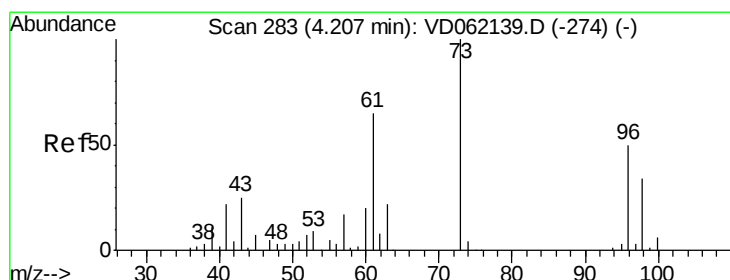
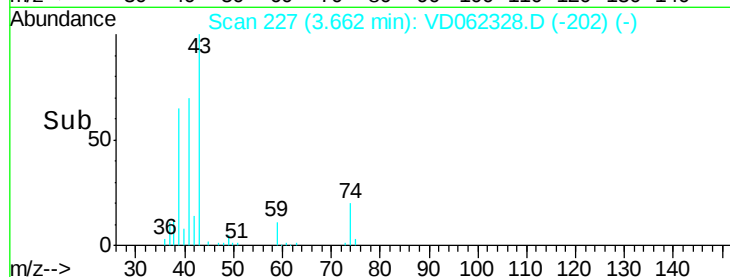
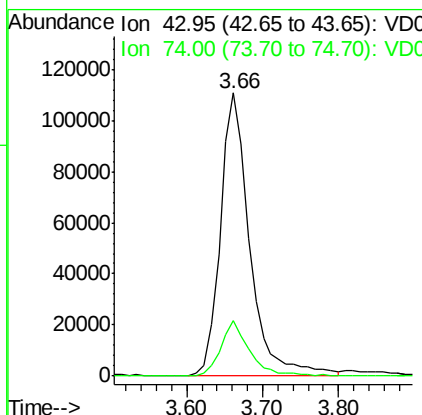
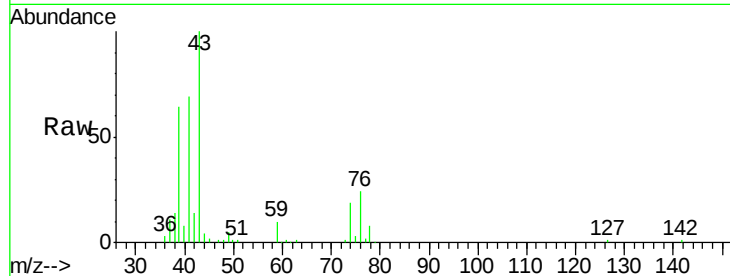
#18
Methyl Acetate
Concen: 139.227 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 43 Resp: 298980
Ion Ratio Lower Upper
43 100
74 19.5 18.0 27.0

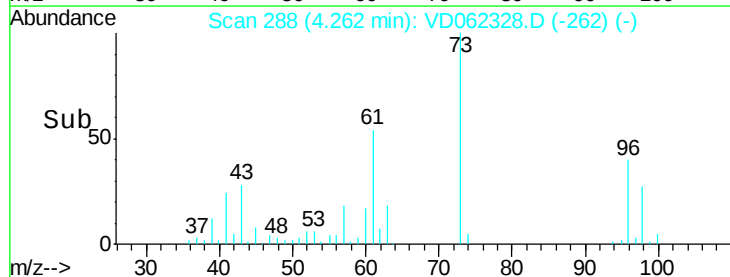
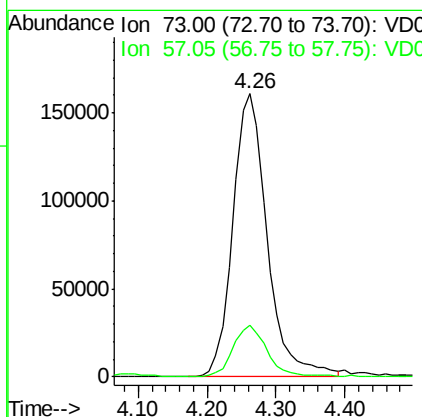
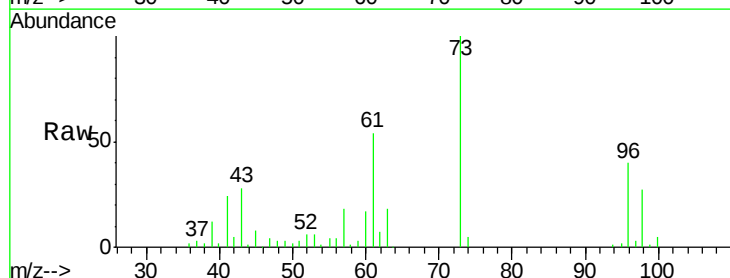
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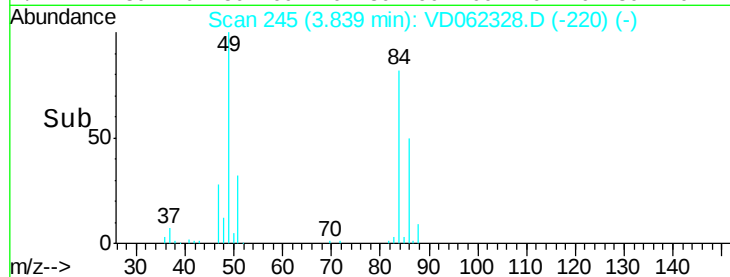
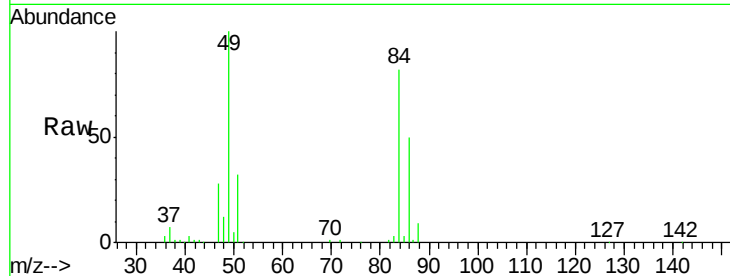
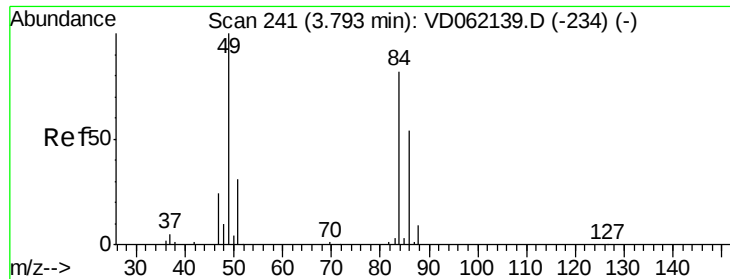
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#19
Methyl tert-butyl Ether
Concen: 54.962 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.06 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 73 Resp: 555584
Ion Ratio Lower Upper
73 100
57 18.1 16.3 24.5





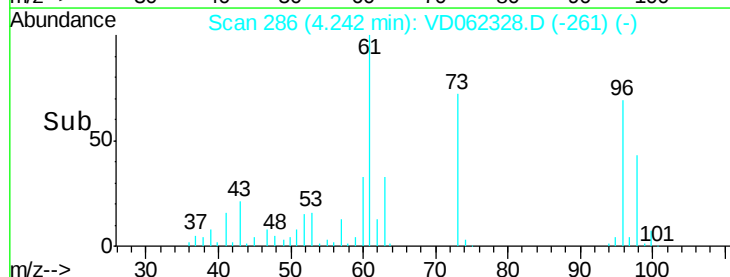
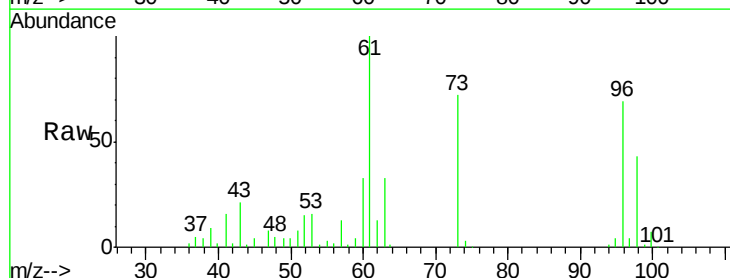
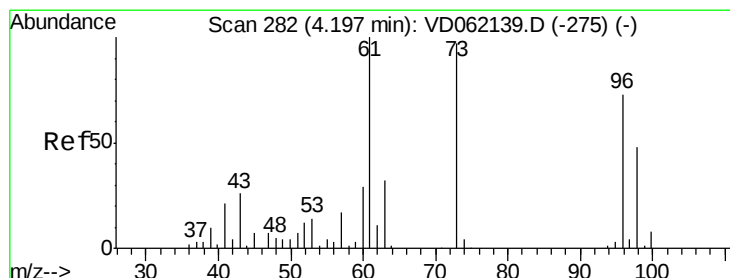
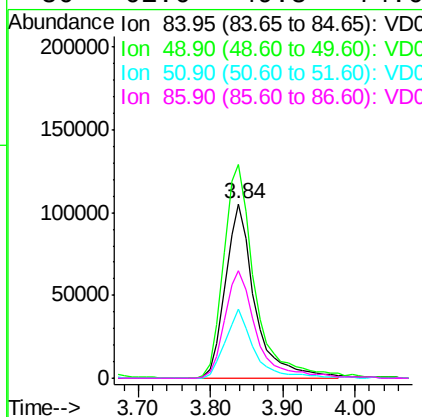
#20
Methvlene Chloride
Concen: 59.457 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tot Ion	84	Resp	299244
Ion Ratio	Lower	Upper	
84	100		
49	122.2	94.0	141.0
51	39.2	29.0	43.4
86	61.6	49.8	74.6

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

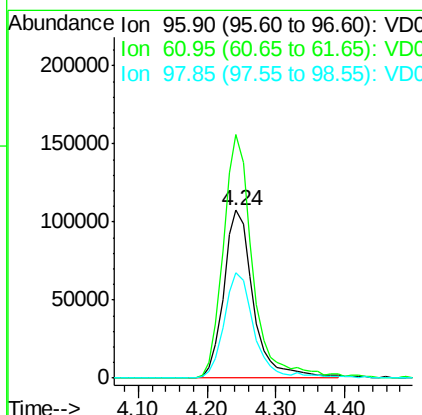
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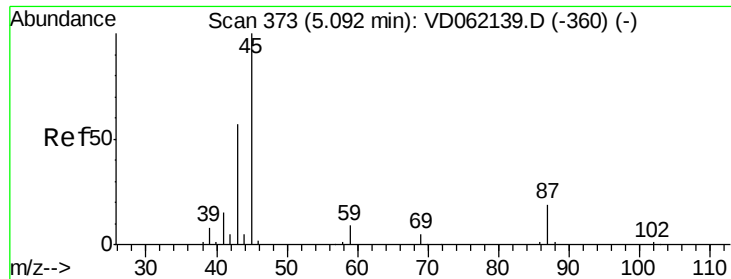
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#21
trans-1,2-Dichloroethene
Concen: 61.125 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	96	Resp	320772
Ion Ratio	Lower	Upper	
96	100		
61	145.0	104.4	156.6
98	62.6	51.8	77.8





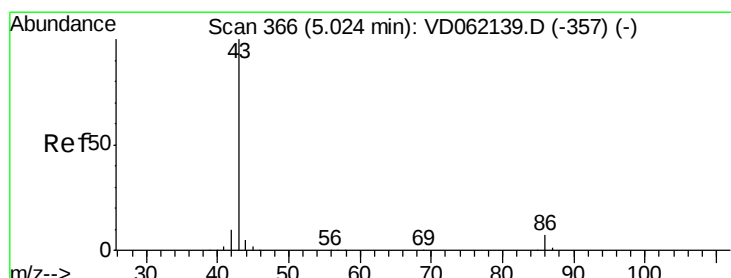
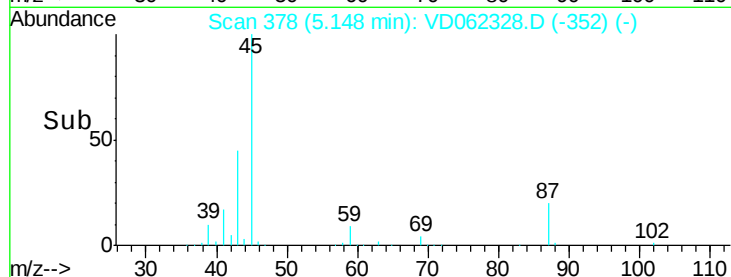
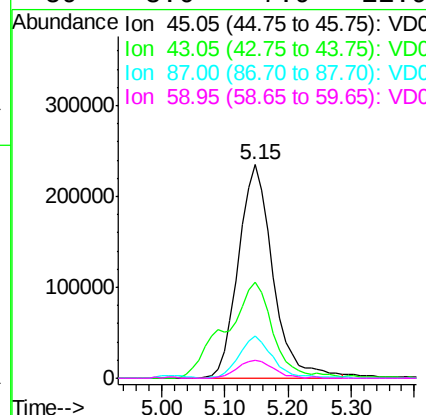
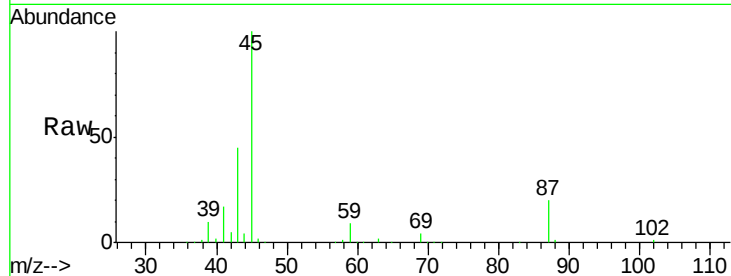
#22
Diisopropyl ether
Concen: 61.259 ug/l
RT: 5.15 min Scan# 378
Delta R.T. 0.06 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	45	Resp	893868
Ion Ratio	100	Lower	Upper
43	44.9	46.2	69.2#
87	19.6	15.9	23.9
59	8.6	7.9	11.9

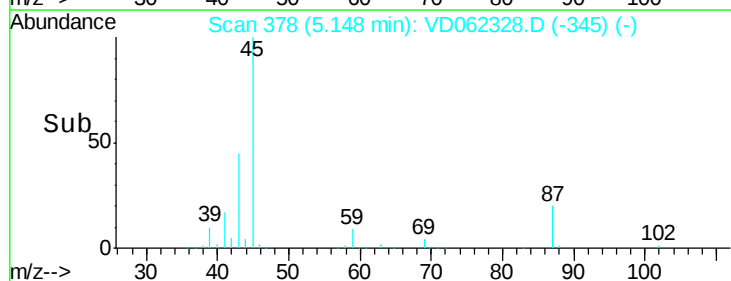
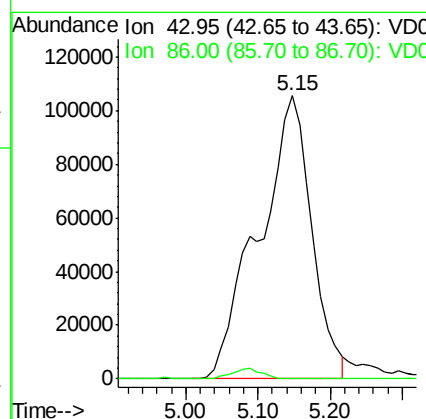
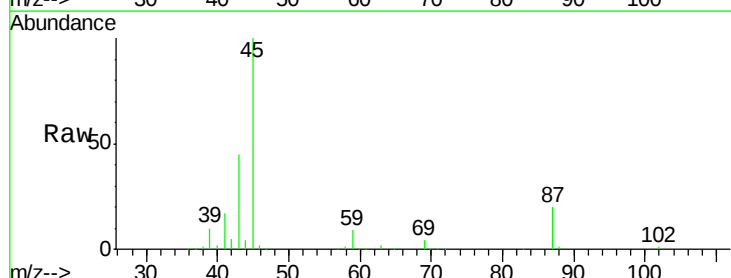
Manual Integrations
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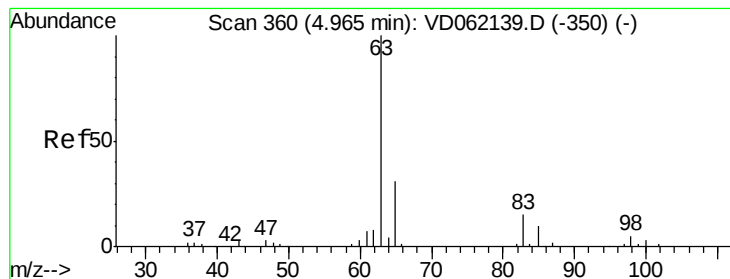
MMDadoda
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#23
Vinyl Acetate
Concen: 69.405 ug/l
RT: 5.15 min Scan# 378
Delta R.T. 0.12 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	43	Resp	534328
Ion Ratio	100	Lower	Upper
86	0.0	6.4	9.6#





#24

1,1-Dichloroethane

Concen: 66.255 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

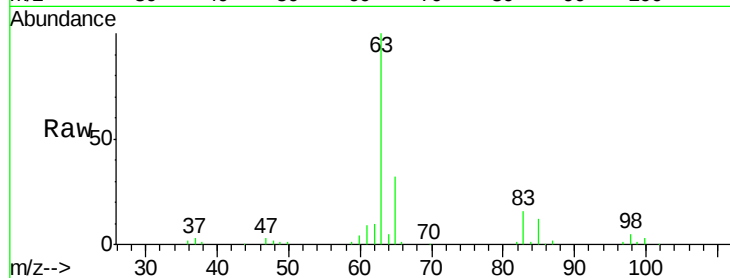
ClientSampleId :

P026-SS015-1824-01MSD

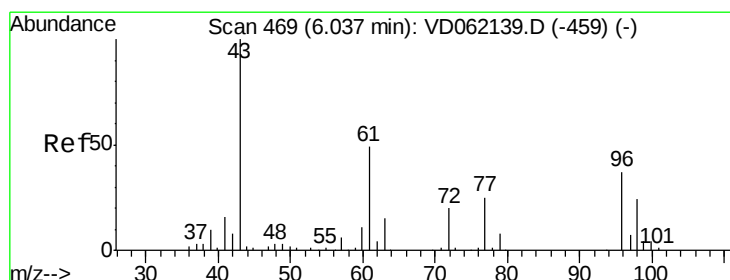
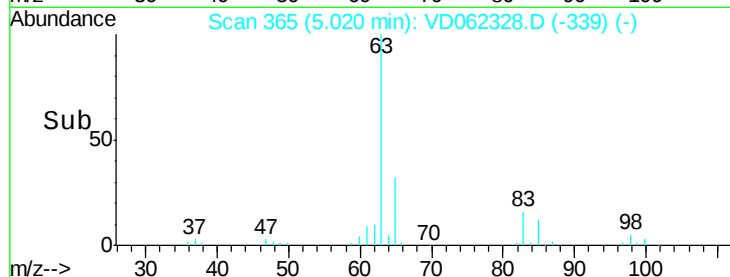
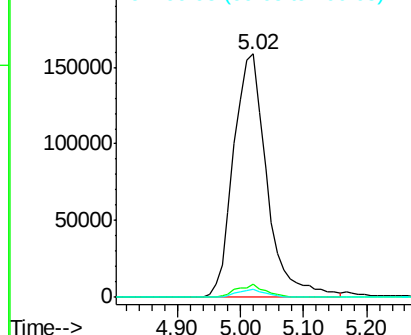
Tot Ion:	63	Resp:	583212
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.8	8.4
100	3.2	1.8	5.5

Manual Integrations
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Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 174.112 ug/l

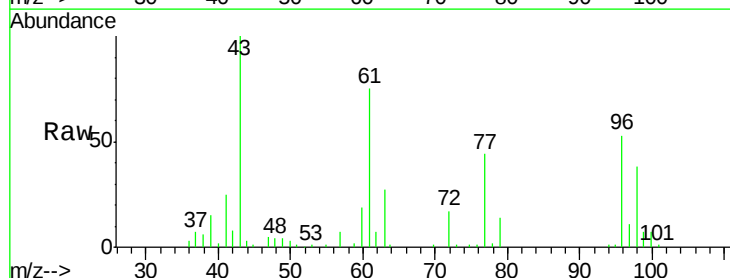
RT: 6.09 min Scan# 474

Delta R.T. 0.06 min

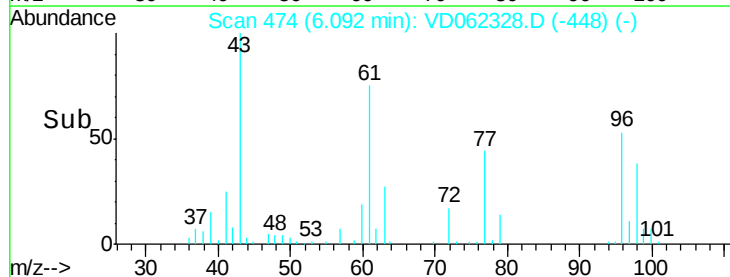
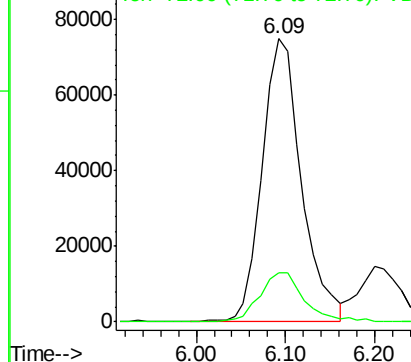
Lab File: VD062328.D

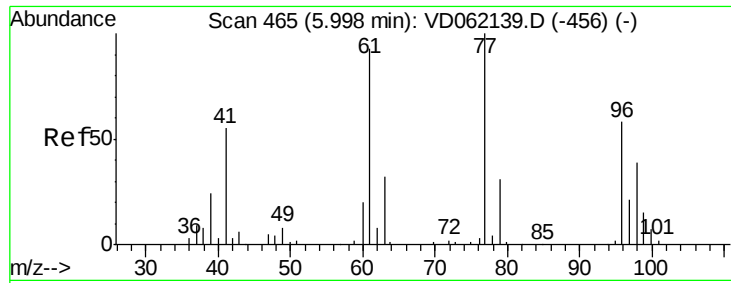
Acq: 14 May 2019 3:26

Tgt Ion:	43	Resp:	228920
Ion Ratio	Lower	Upper	
43	100		
72	17.4	16.2	24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 59.144 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 77 Resp: 518599

Ion Ratio Lower Upper

77 100

97 20.9

11.9

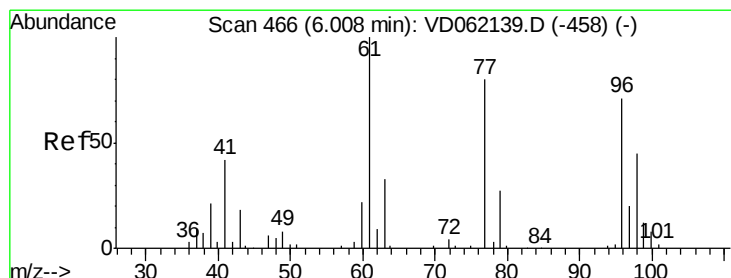
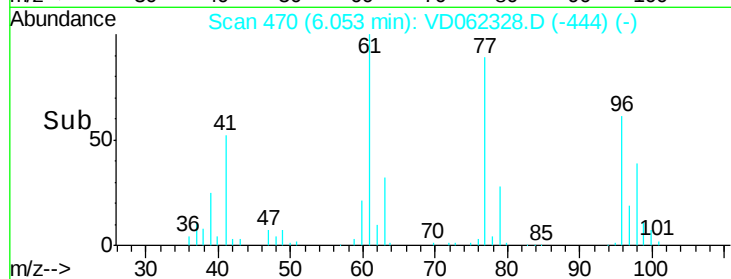
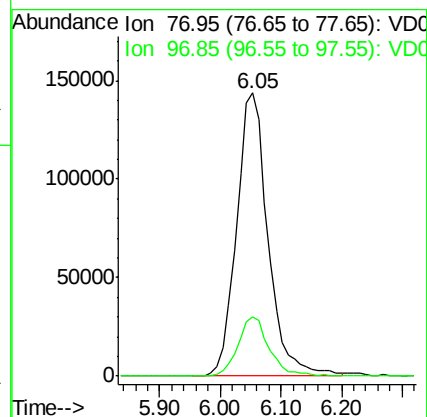
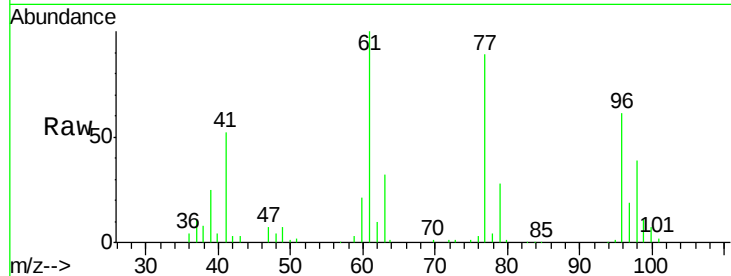
35.9

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5/14/2019 9:50:54 AM



#27

cis-1,2-Dichloroethene

Concen: 61.118 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion: 96 Resp: 359011

Ion Ratio Lower Upper

96 100

61 143.5

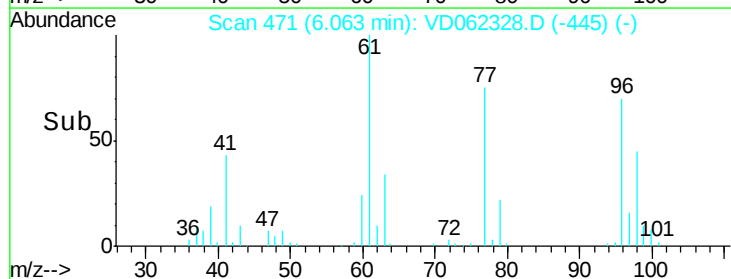
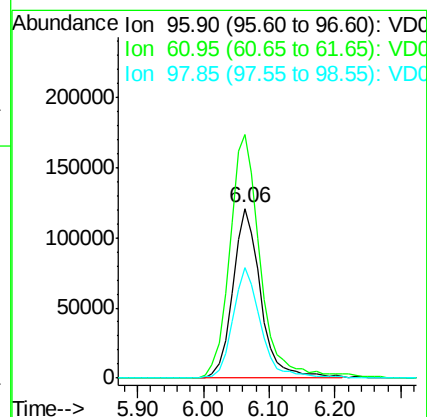
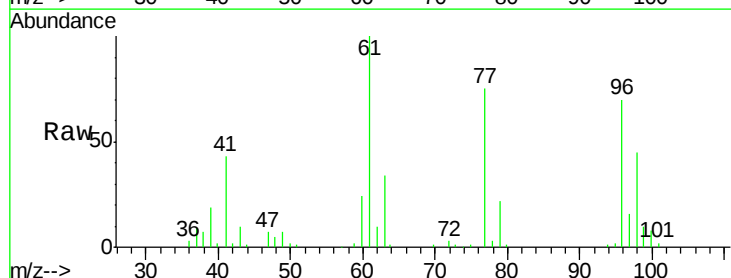
0.0

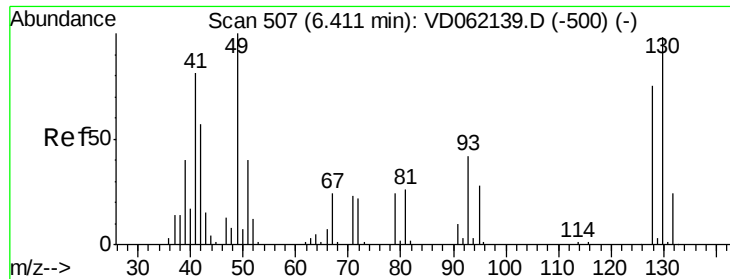
279.8

98 64.8

0.0

136.0





#28

Bromochloromethane

Concen: 49.246 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 49 Resp: 170549

Ion Ratio Lower Upper

49 100

129 1.8 0.0 6.6

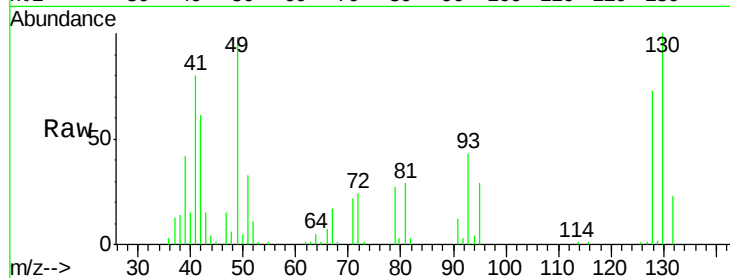
130 101.5 86.7 130.1

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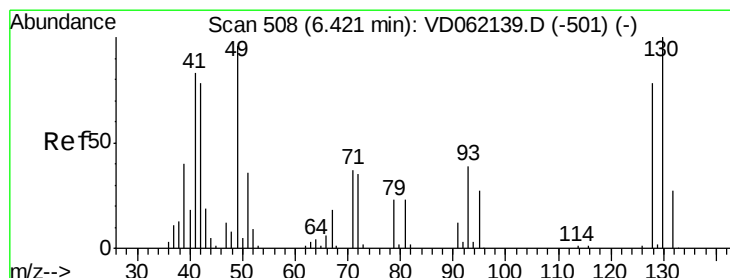
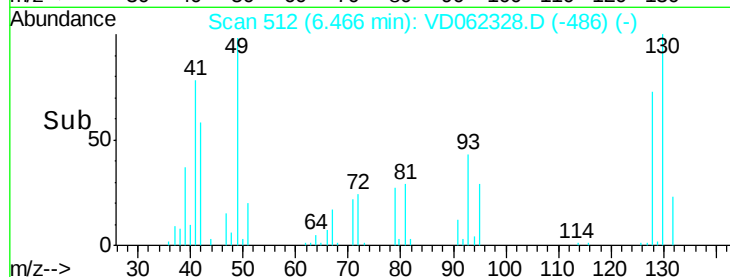
Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

6.47

Time-->



#29

Tetrahydrofuran

Concen: 238.451 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

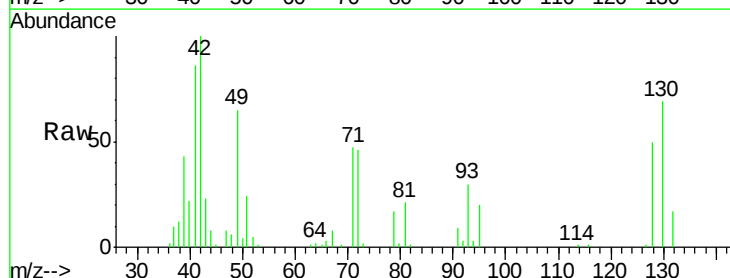
Tgt Ion: 42 Resp: 144453

Ion Ratio Lower Upper

42 100

72 43.5 37.8 56.6

71 42.7 36.7 55.1



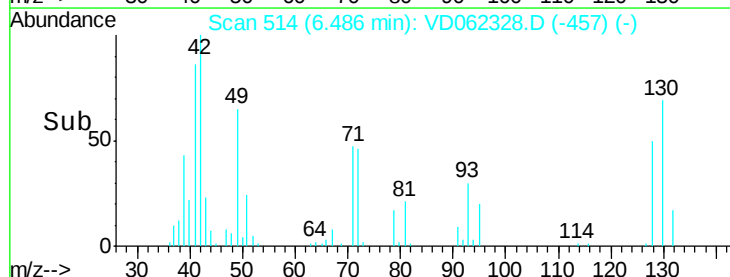
Abundance Ion 42.00 (41.70 to 42.70): VDC

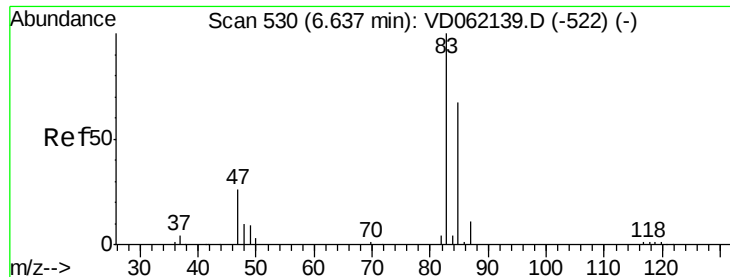
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.49

Time-->





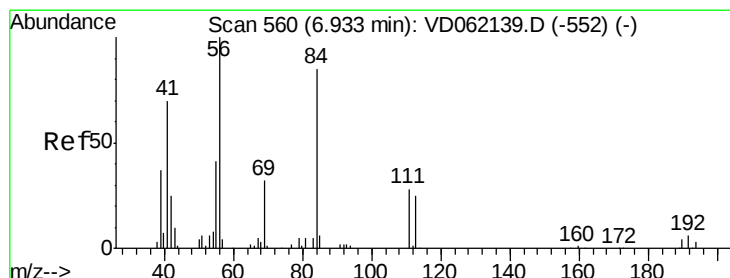
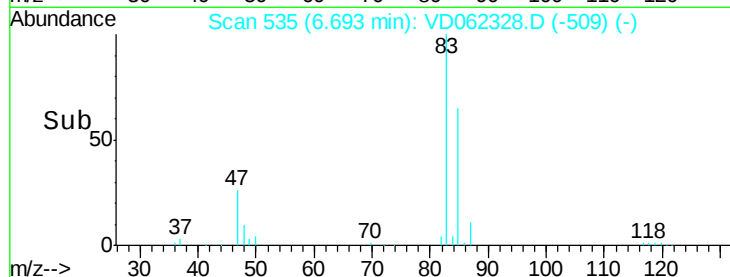
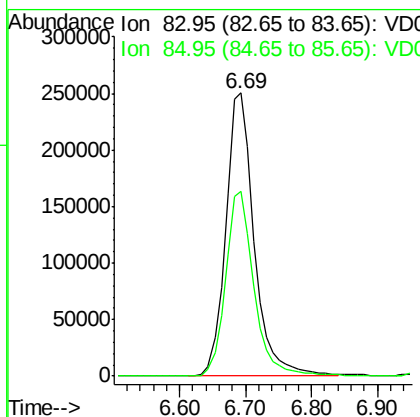
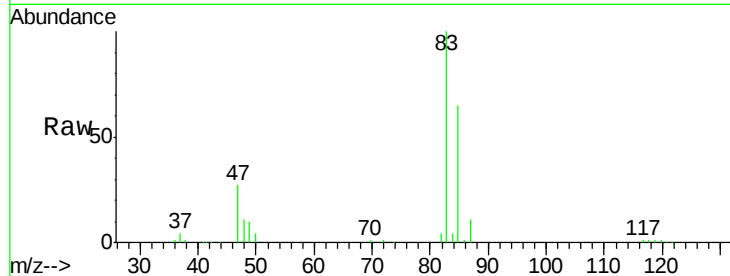
#30
Chloroform
Concen: 71.211 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.06 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	83	Resp	755455
Ion Ratio	100	Lower	Upper
85	65.3	51.7	77.5

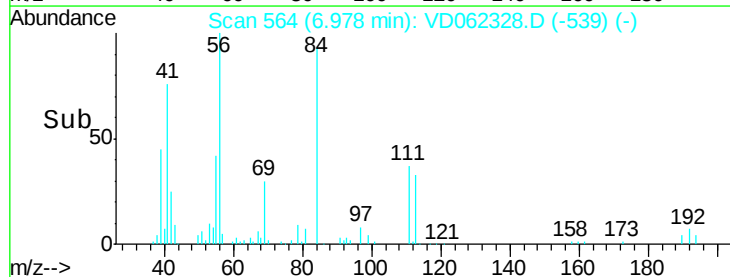
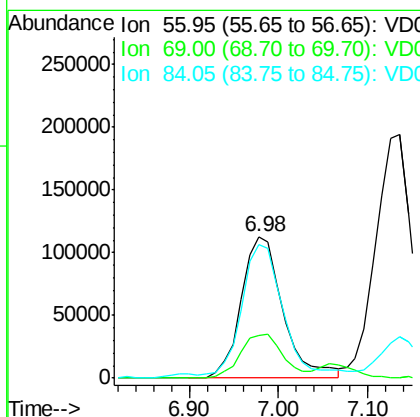
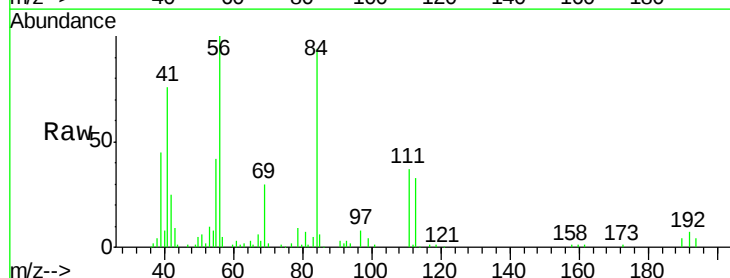
Manual Integrations
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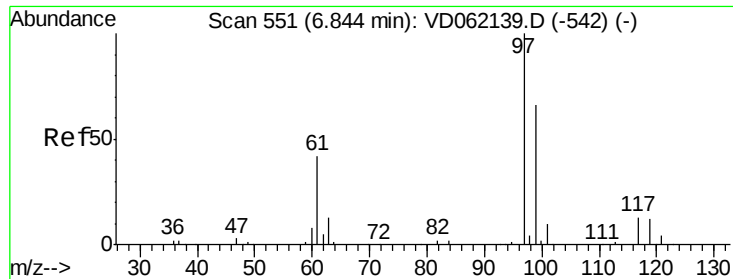
MMDadoda
5/14/2019 9:50:54 AM



#31
Cyclohexane
Concen: 60.645 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	56	Resp	365732
Ion Ratio	100	Lower	Upper
69	30.4	25.8	38.6
84	94.4	72.2	108.4





#32

1,1,1-Trichloroethane

Concen: 72.802 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

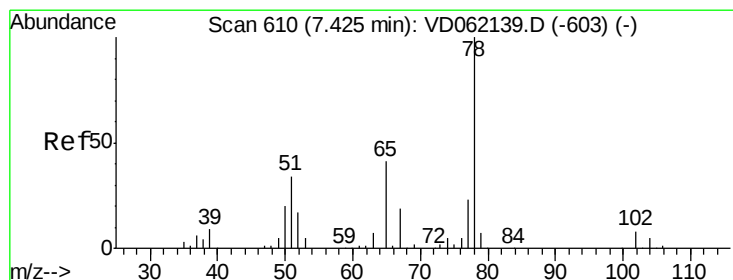
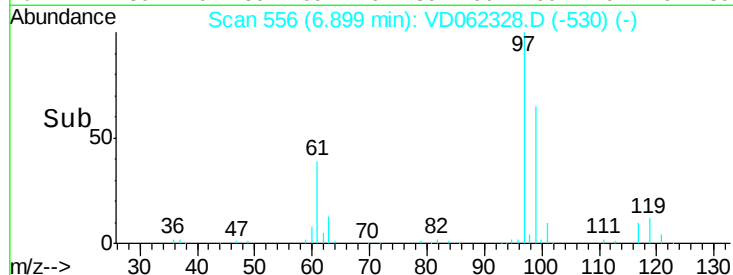
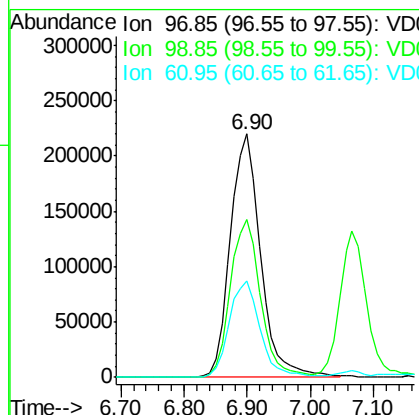
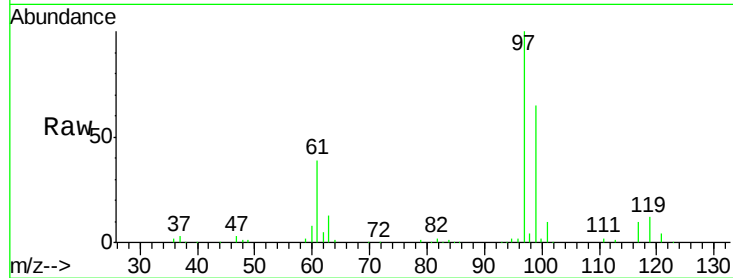
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	97	Resp:	730003
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	39.5	32.4	48.6

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#33

1,2-Dichloroethane-d4

Concen: 56.228 ug/l

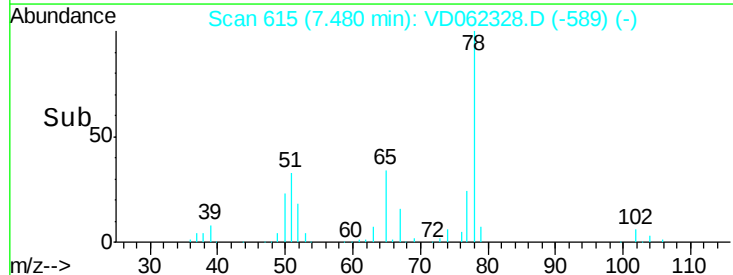
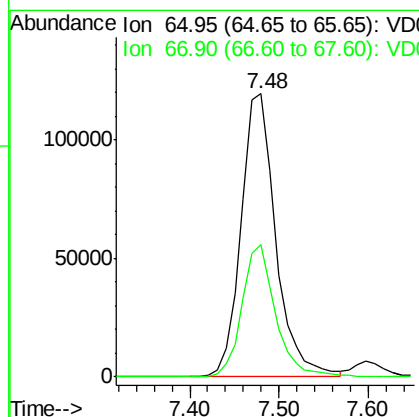
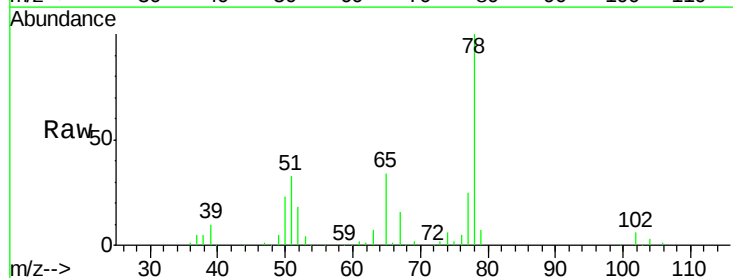
RT: 7.48 min Scan# 615

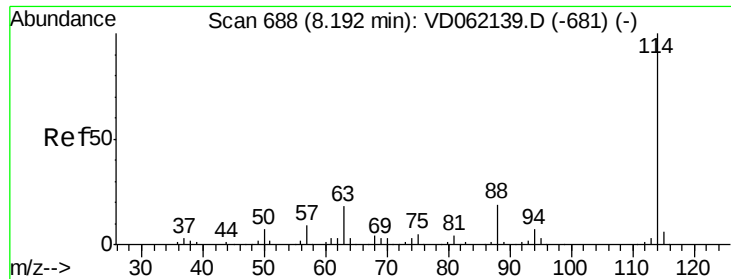
Delta R.T. 0.06 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	65	Resp:	323189
Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	98.0





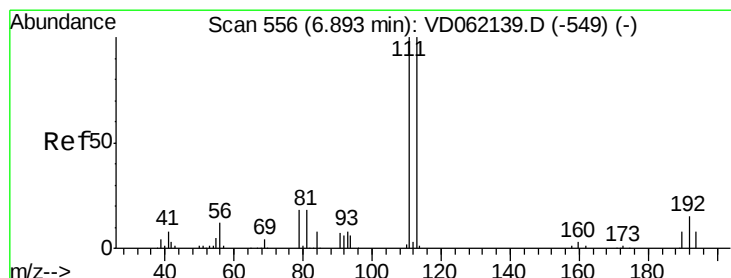
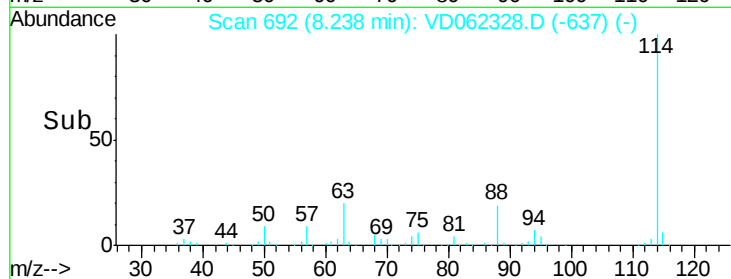
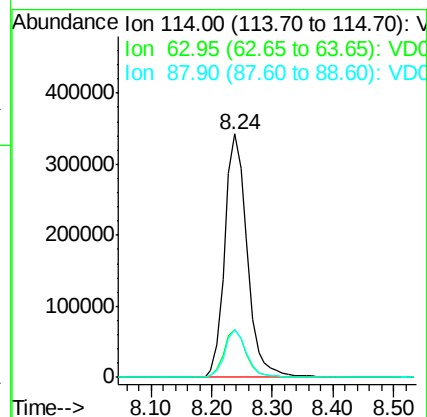
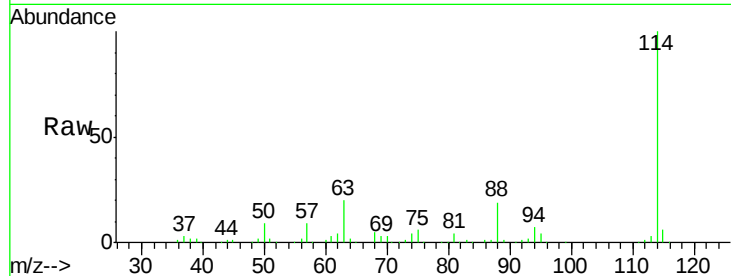
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
114	100	883477		
63	19.8	0.0	32.4	
88	19.4	0.0	33.6	

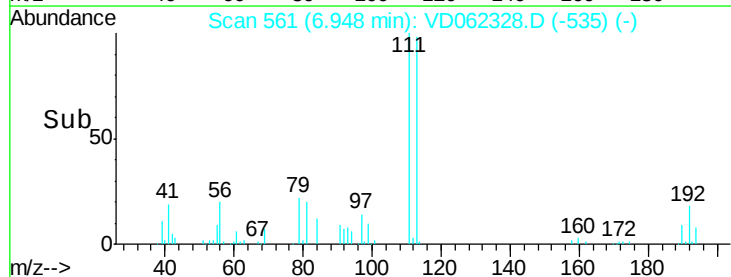
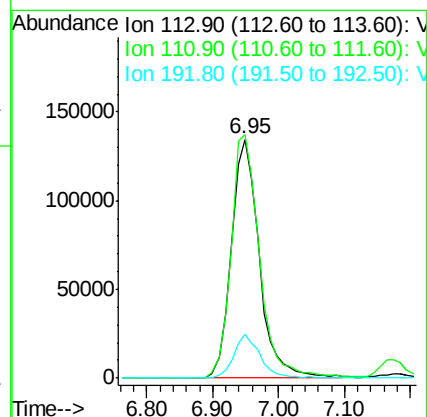
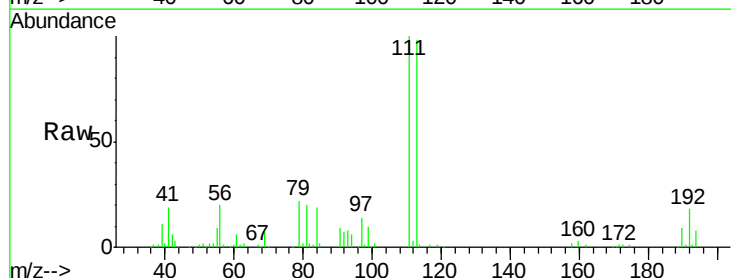
Manual Integrations
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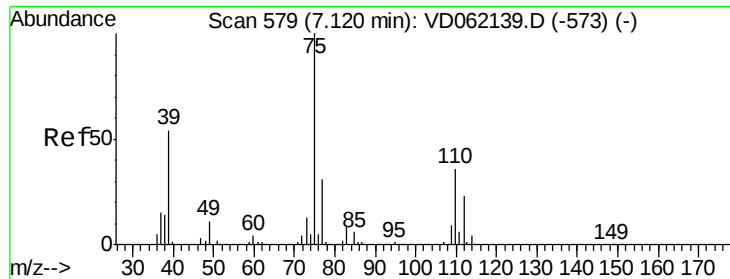
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 54.780 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	401552		
111	101.9	78.5	117.7	
192	18.2	13.0	19.4	





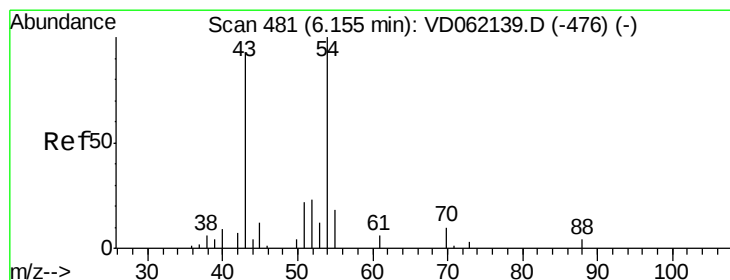
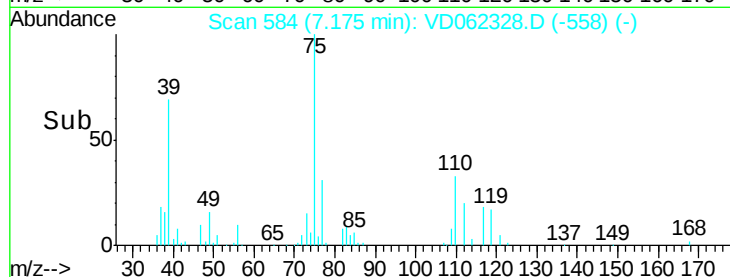
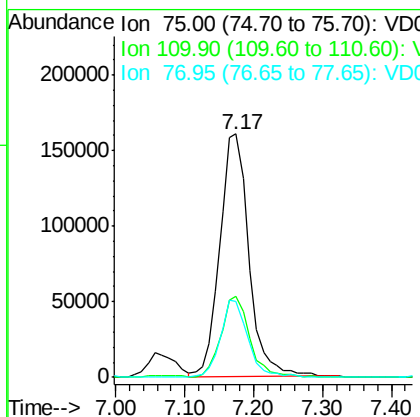
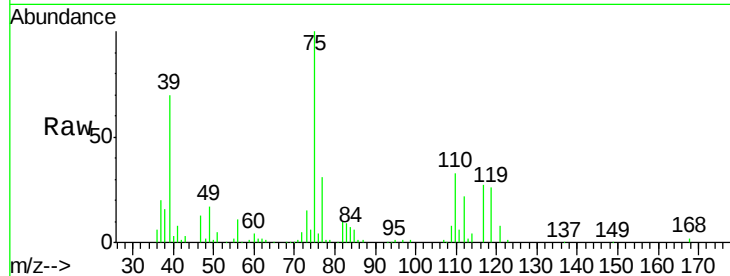
#36
 1,1-Dichloropropene
 Concen: 64.834 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.06 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	19.1	57.1
77	31.3	25.6	38.4

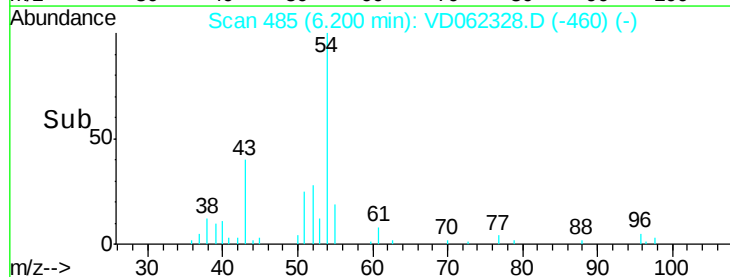
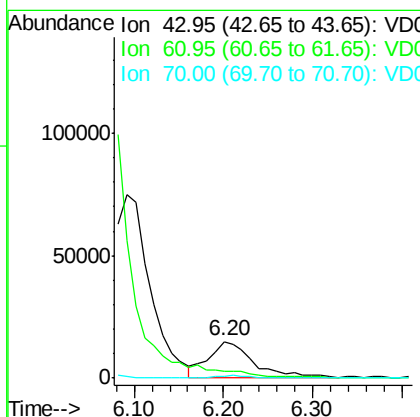
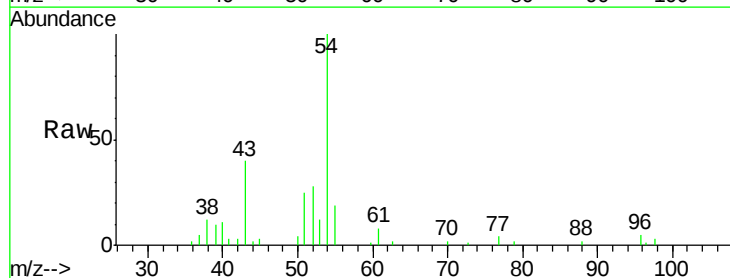
Manual Integrations
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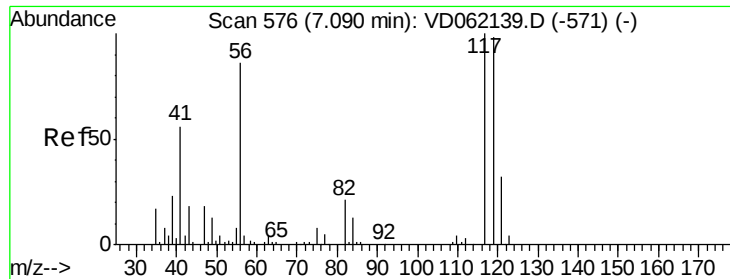
MMDadoda
 5/14/2019 9:50:54 AM



#37
 Ethyl Acetate
 Concen: 16.434 ug/l
 RT: 6.20 min Scan# 485
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.7	22.1
70	5.5	7.8	11.6





#38

Carbon Tetrachloride

Concen: 72.060 ug/l m

RT: 7.14 min Scan# 580

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

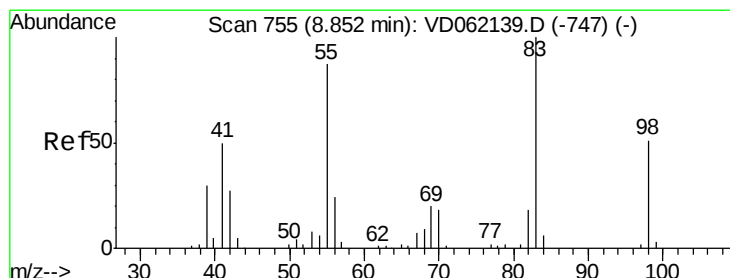
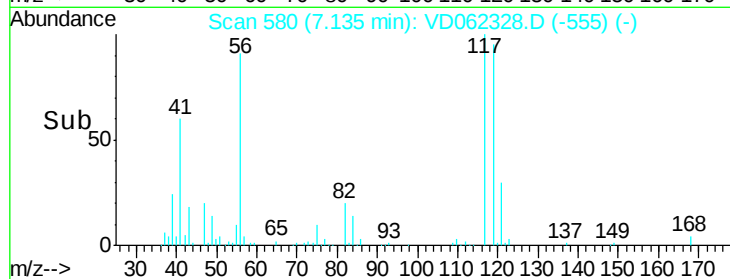
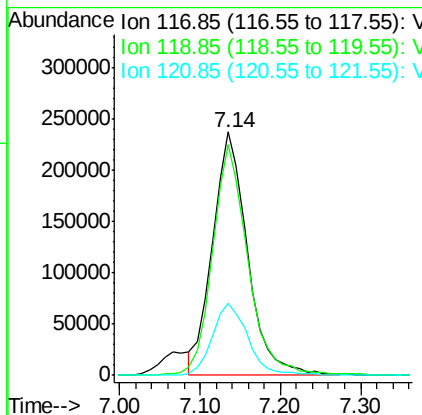
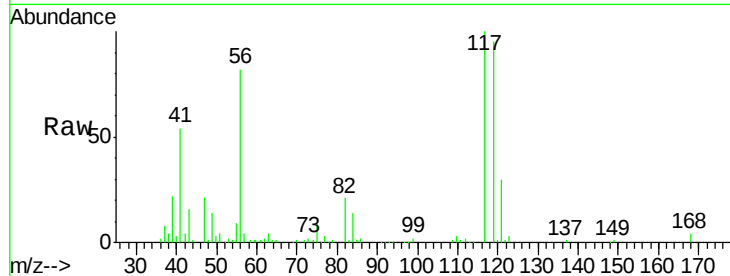
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	117	Resp:	722463
Ion Ratio	Lower	Upper	
117	100		
119	94.6	75.8	113.8
121	29.9	25.9	38.9

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#39

Methylcyclohexane

Concen: 52.437 ug/l

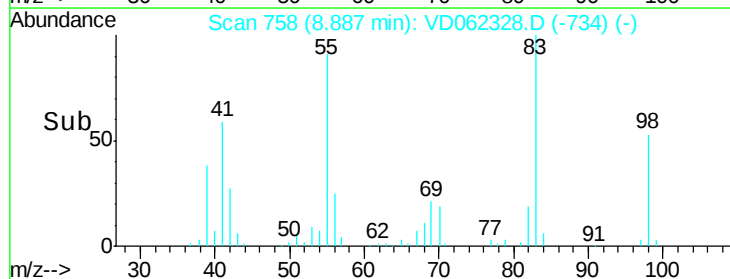
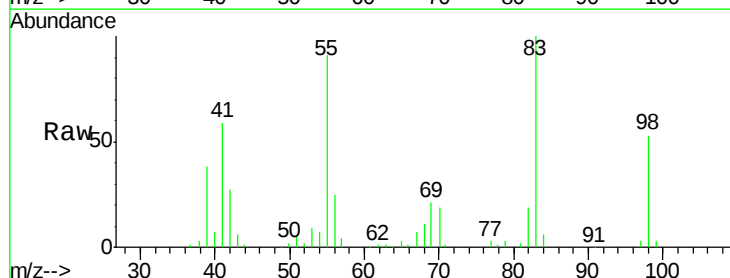
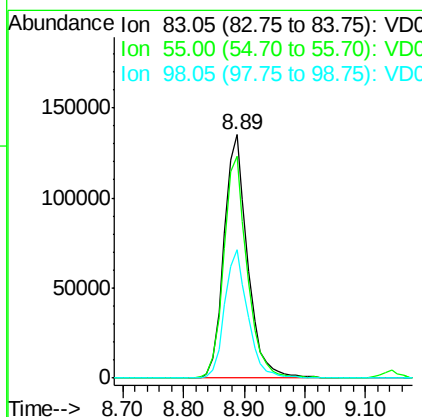
RT: 8.89 min Scan# 758

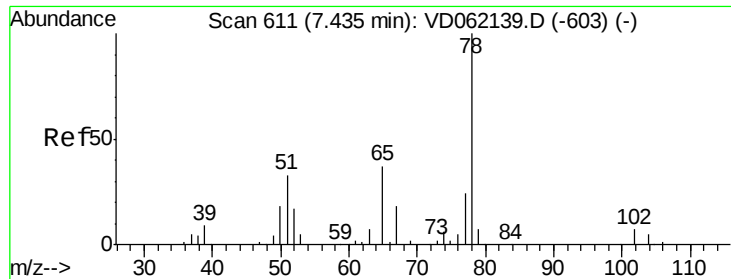
Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	83	Resp:	363932
Ion Ratio	Lower	Upper	
83	100		
55	91.1	68.2	102.4
98	52.7	38.2	57.4





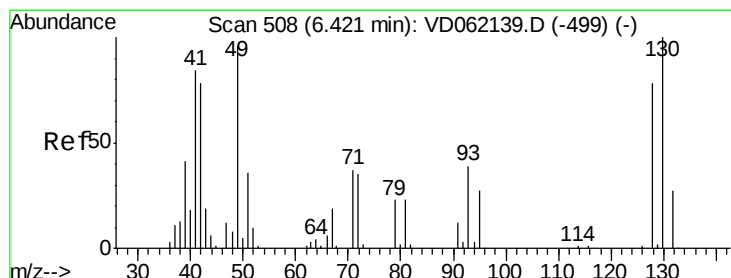
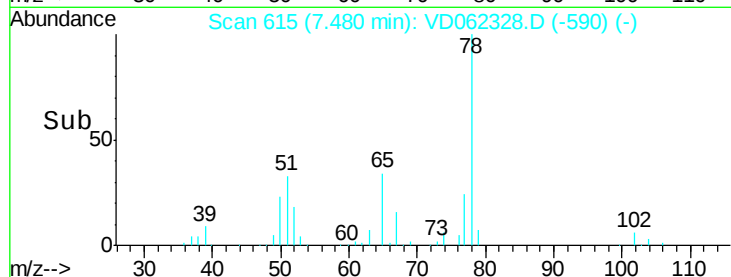
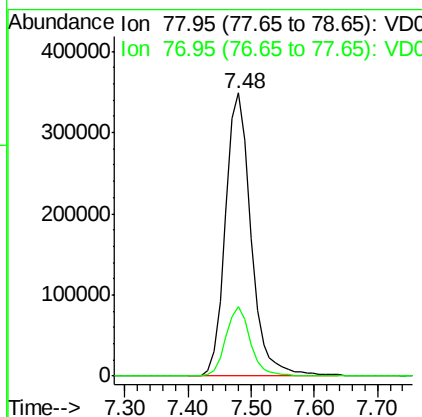
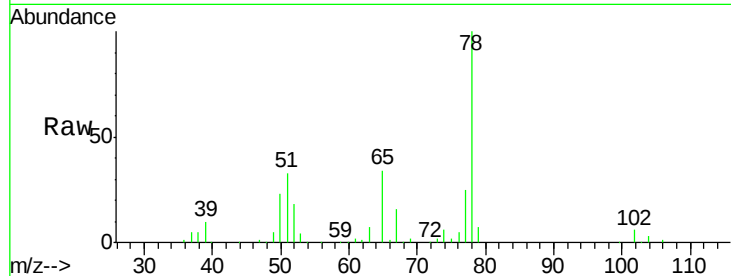
#40
Benzene
Concen: 59.901 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 78 Resp: 979798
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5

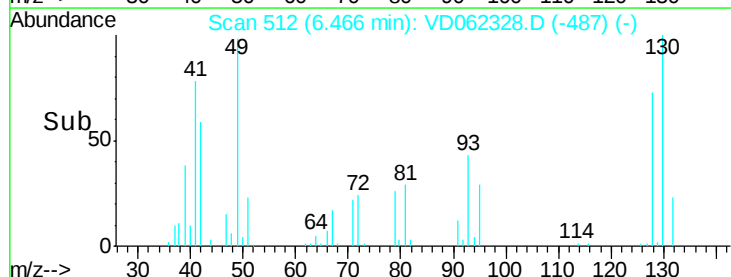
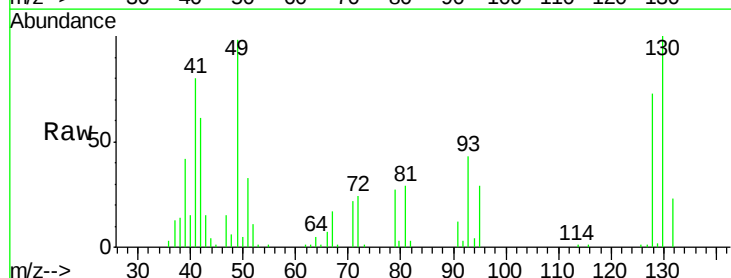
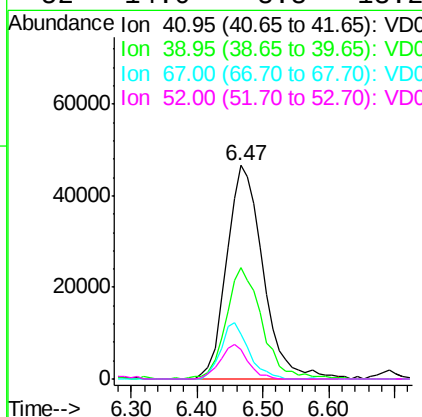
Manual Integrations
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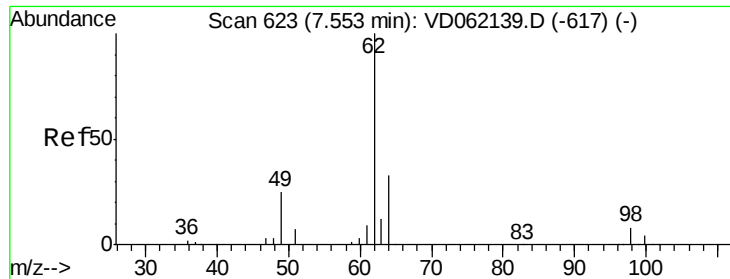
MMDadoda
5/14/2019 9:50:54 AM



#41
Methacrylonitrile
Concen: 48.000 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 41 Resp: 180195
Ion Ratio Lower Upper
41 100
39 52.4 34.1 51.1#
67 21.3 23.8 35.6#
52 14.0 8.8 13.2#





#42

1,2-Dichloroethane

Concen: 67.335 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 62 Resp: 466645

Ion Ratio Lower Upper

62 100

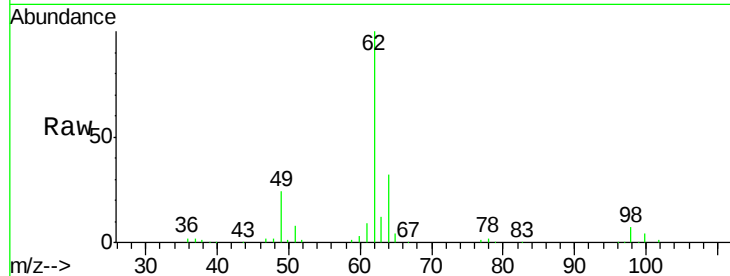
98 6.7 0.0 17.8

Manual Integrations

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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

200000

150000

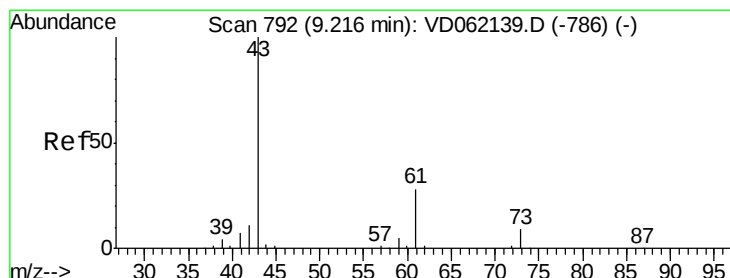
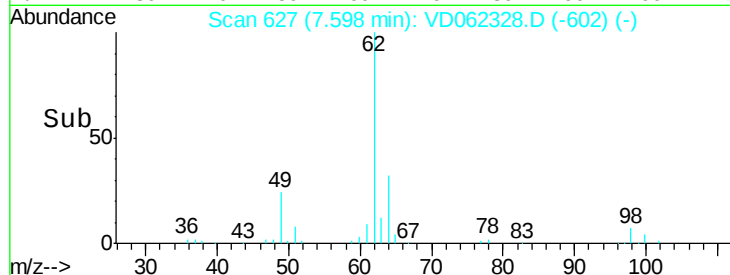
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#43

Isopropyl Acetate

Concen: 12.860 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

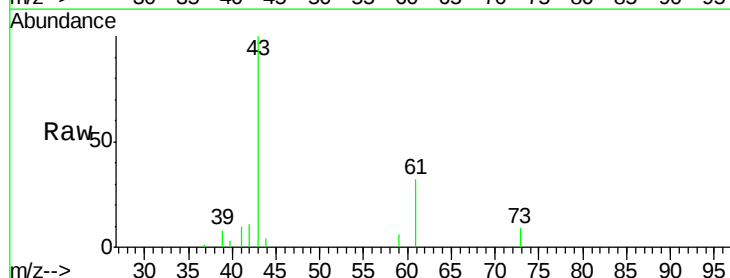
Tgt Ion: 43 Resp: 56028

Ion Ratio Lower Upper

43 100

61 31.8 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

30000

25000

20000

15000

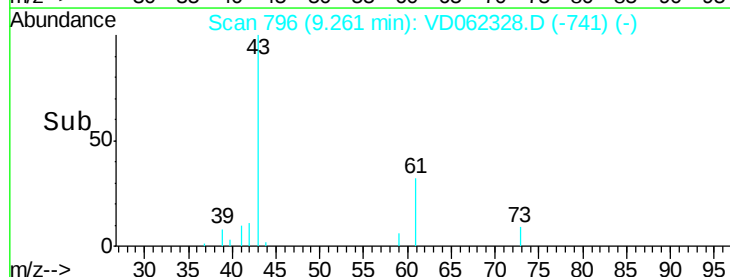
10000

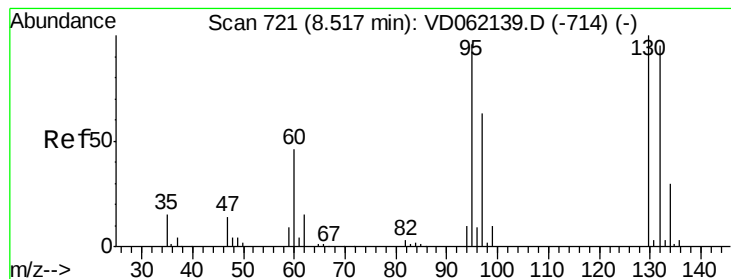
5000

0

9.15 9.20 9.25 9.30

Time-->





#44

Trichloroethene

Concen: 57.824 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:130 Resp: 360412

Ion Ratio Lower Upper

130 100

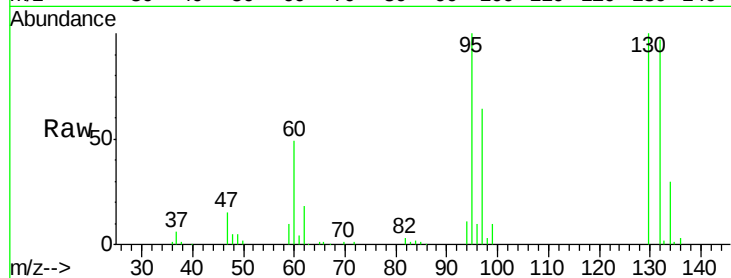
95 99.8 0.0 174.0

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5/14/2019 9:50:54 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.56

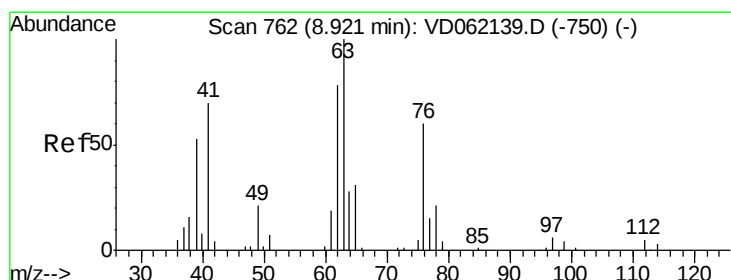
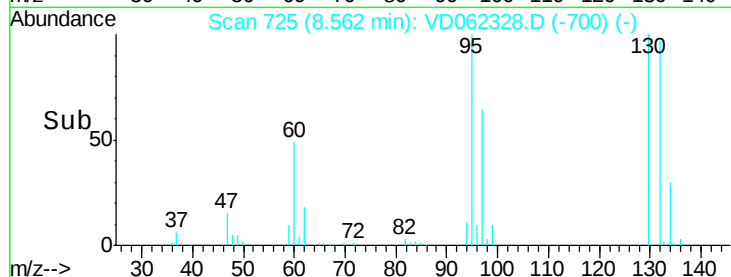
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 58.806 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.04 min

Lab File: VD062328.D

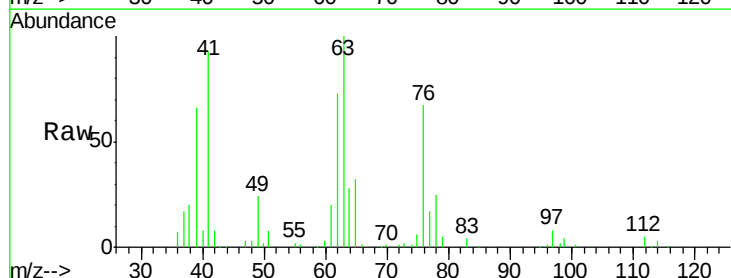
Acq: 14 May 2019 3:26

Tgt Ion: 63 Resp: 237927

Ion Ratio Lower Upper

63 100

65 31.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

100000

80000

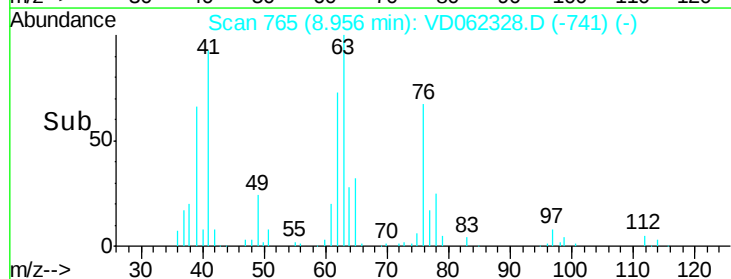
60000

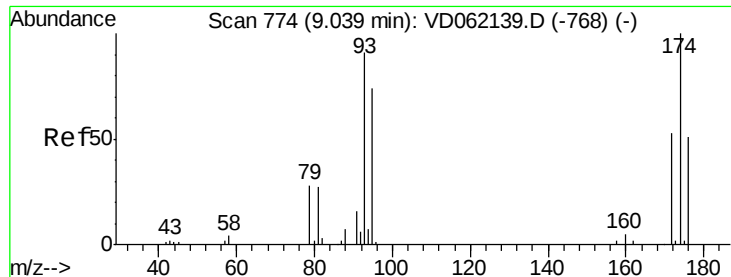
40000

20000

0

Time-->





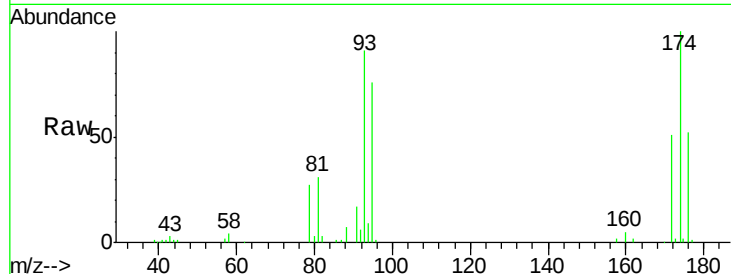
#46
 Dibromomethane
 Concen: 57.055 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

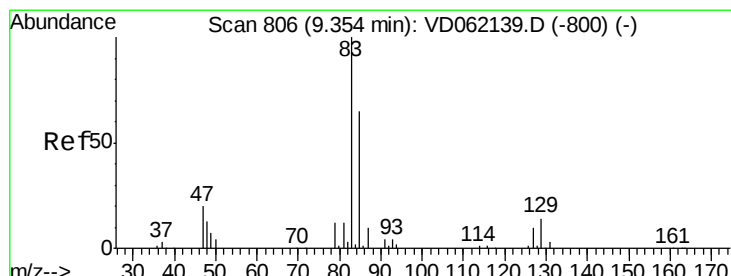
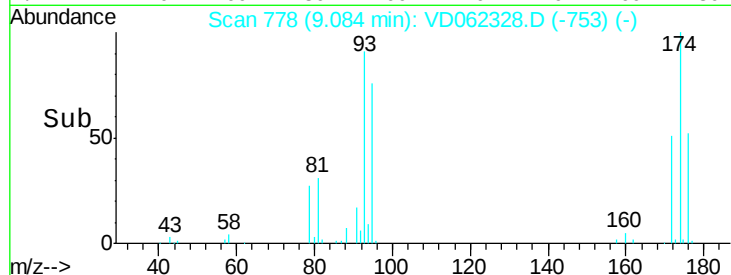
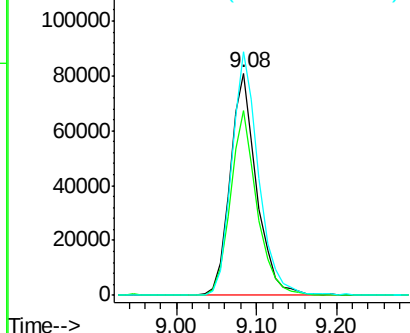
Tot Ion	Ratio	Lower	Upper
93	100		
95	83.1	64.8	97.2
174	109.7	79.3	118.9

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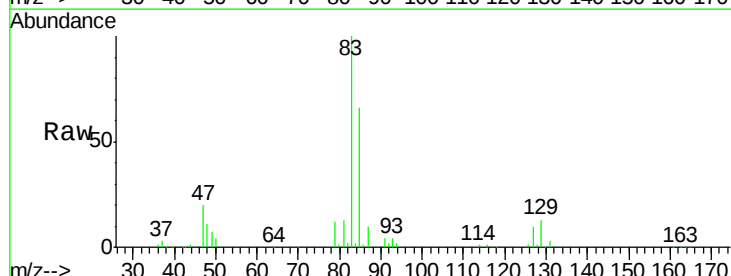


Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V

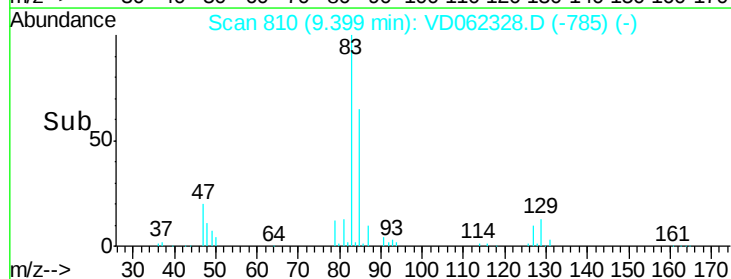
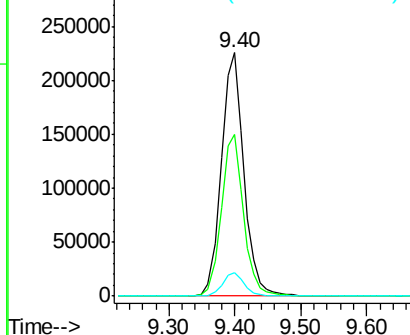


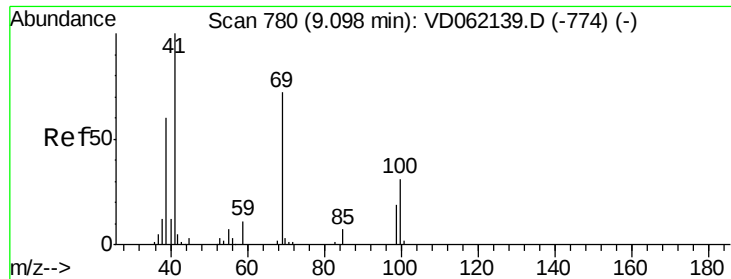
#47
 Bromodichloromethane
 Concen: 66.877 ug/l
 RT: 9.40 min Scan# 810
 Delta R.T. 0.05 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.9	76.3
127	9.9	8.1	12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 53.541 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

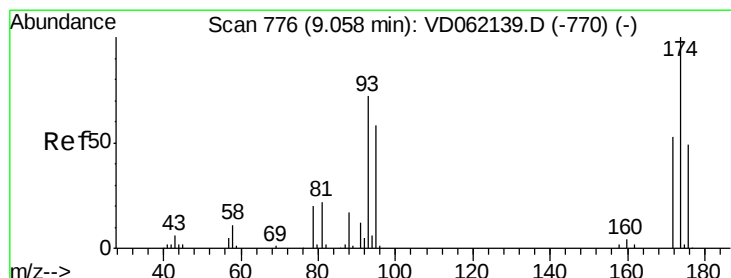
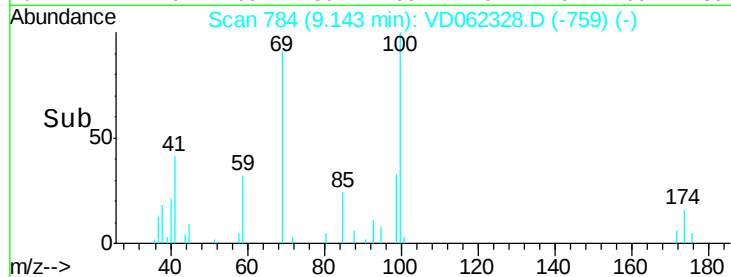
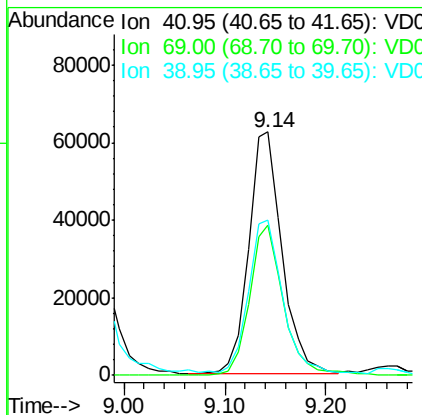
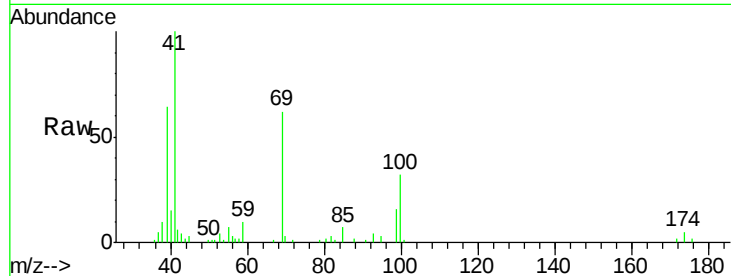
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	41	Resp:	143681
Ion Ratio	Lower	Upper	
41	100		
69	61.9	64.2	96.2#
39	63.7	46.8	70.2

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#49

1,4-Dioxane

Concen: 865.401 ug/l

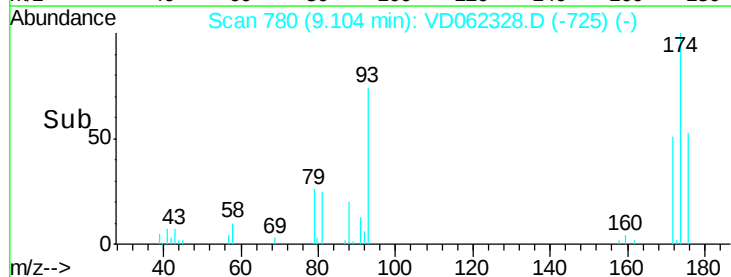
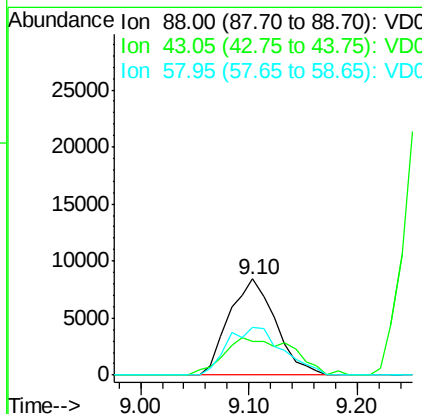
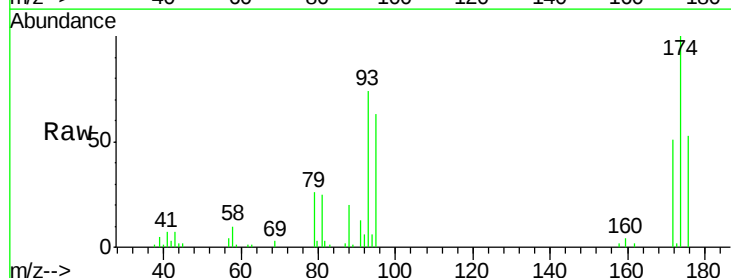
RT: 9.10 min Scan# 780

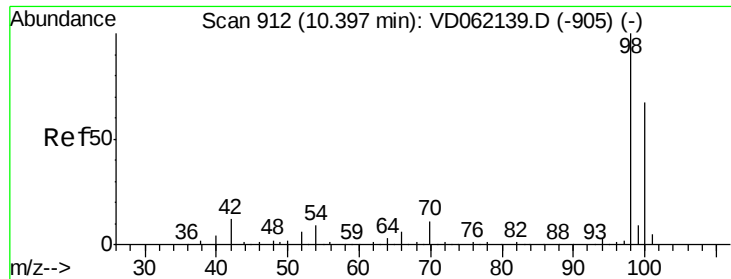
Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	88	Resp:	25057
Ion Ratio	Lower	Upper	
88	100		
43	35.7	23.4	35.0#
58	50.3	44.0	66.0





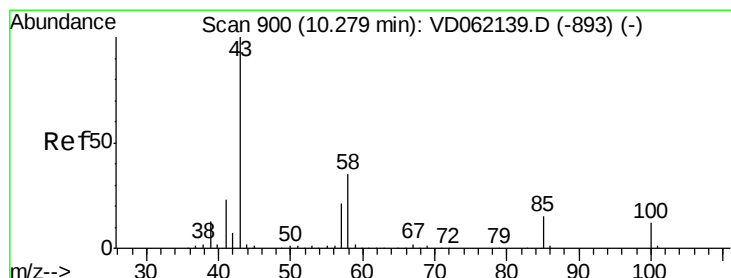
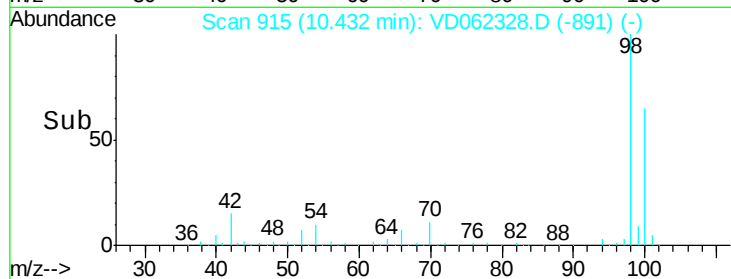
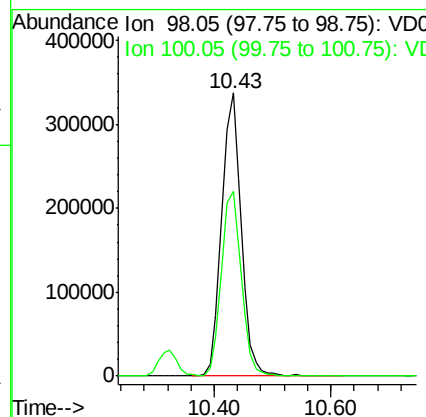
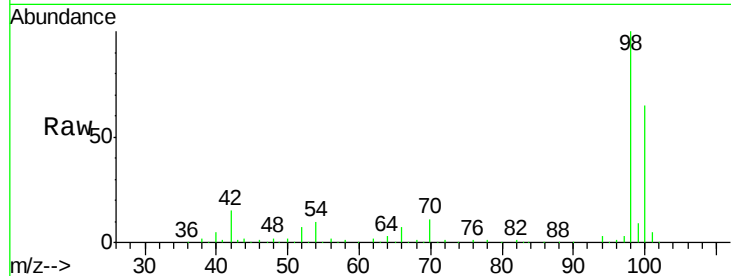
#50
Toluene-d8
Concen: 44.552 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 98 Resp: 787415
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.8

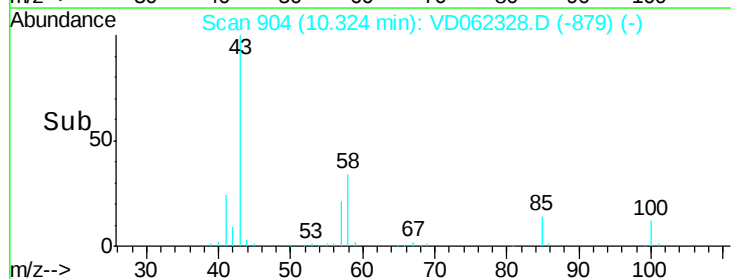
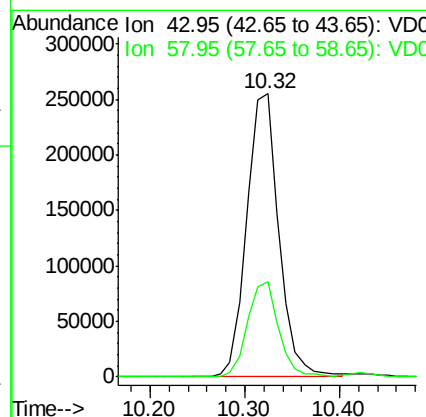
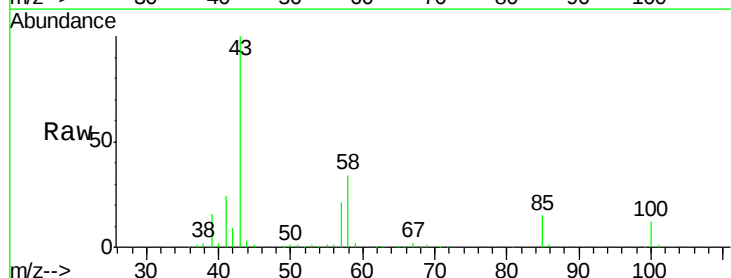
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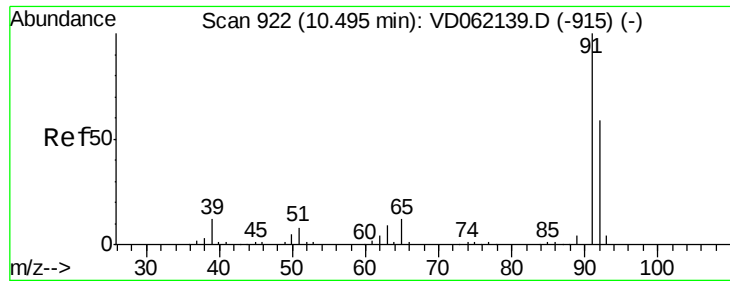
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 214.005 ug/l
RT: 10.32 min Scan# 904
Delta R.T. 0.05 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 599326
Ion Ratio Lower Upper
43 100
58 33.8 30.4 45.6





#52

Toluene

Concen: 54.552 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 92 Resp: 580578

Ion Ratio Lower Upper

92 100

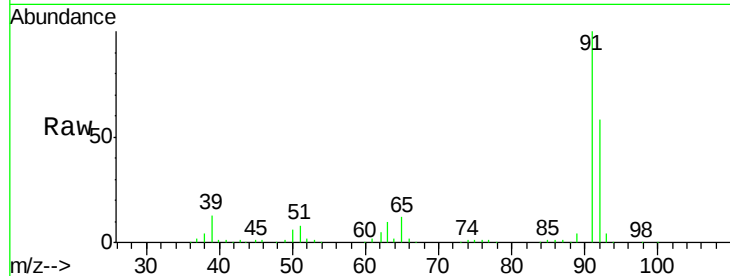
91 172.5 136.6 204.8

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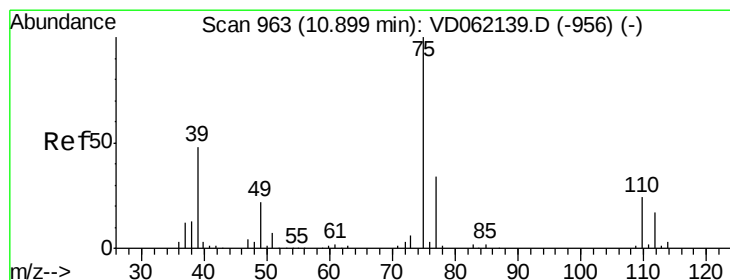
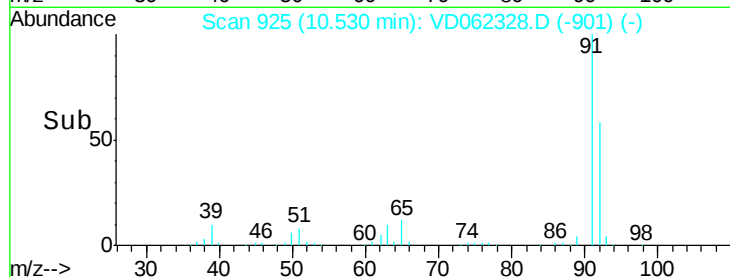
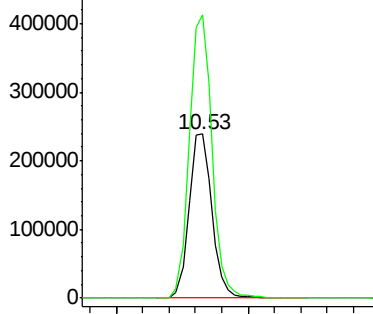
MMDadoda

5/14/2019 9:50:54 AM



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: 50.786 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.04 min

Lab File: VD062328.D

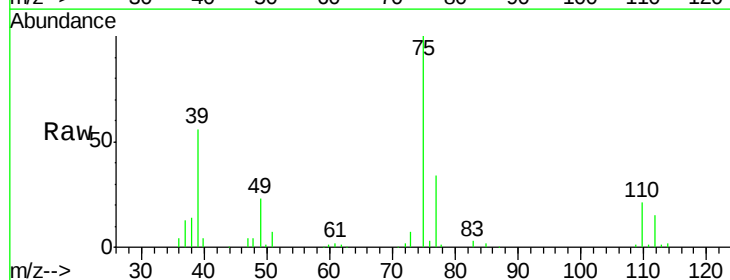
Acq: 14 May 2019 3:26

Tgt Ion: 75 Resp: 353238

Ion Ratio Lower Upper

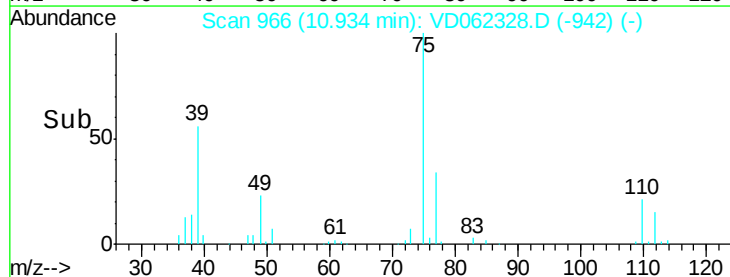
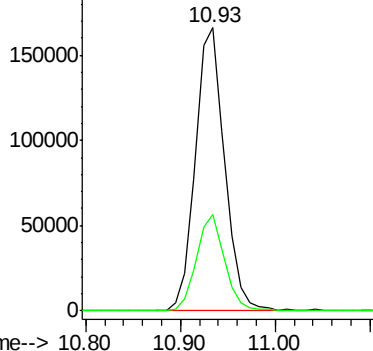
75 100

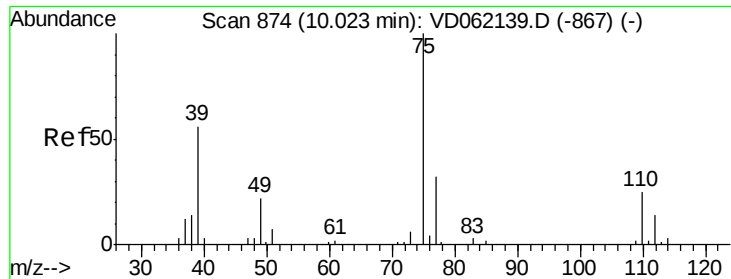
77 33.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

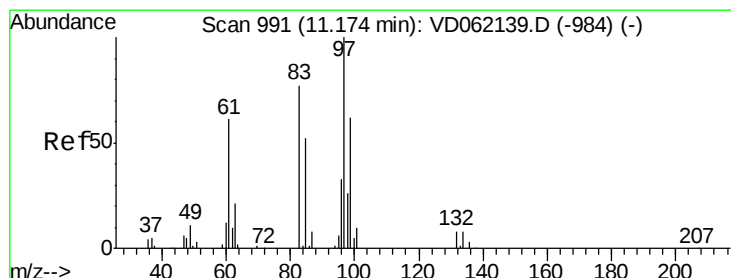
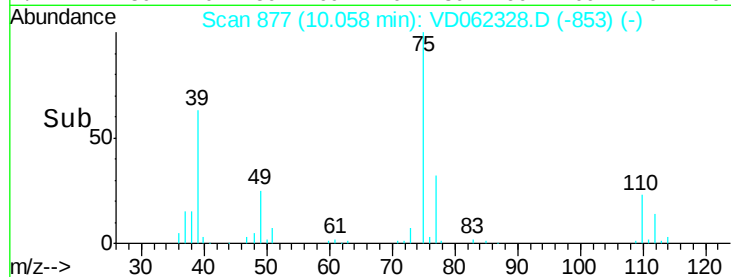
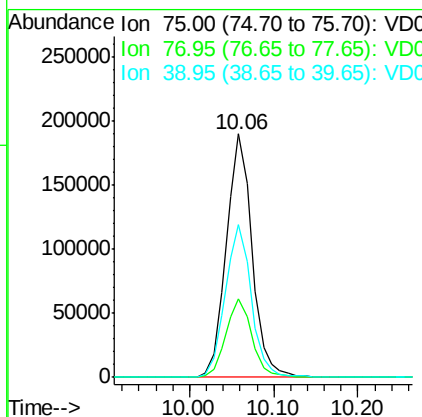
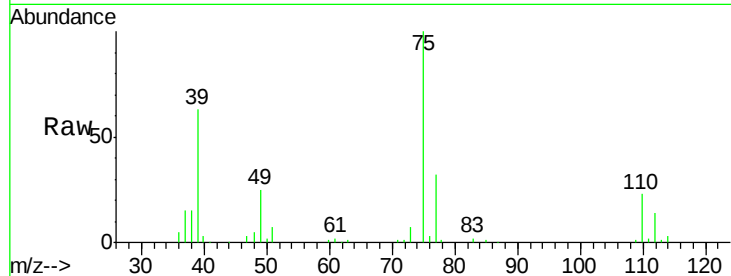
cis-1,3-Dichloropropene
 Concen: 53.405 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.1	25.5	38.3	
39	62.7	39.4	59.2	

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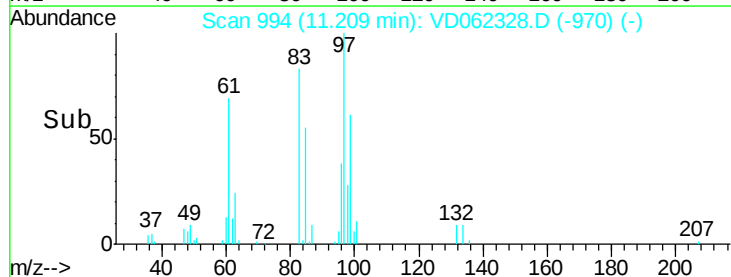
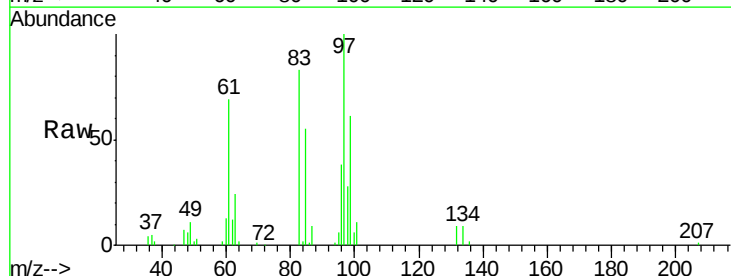
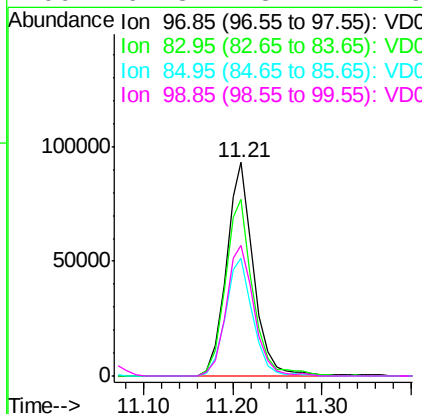
MMDadoda
 5/14/2019 9:50:54 AM

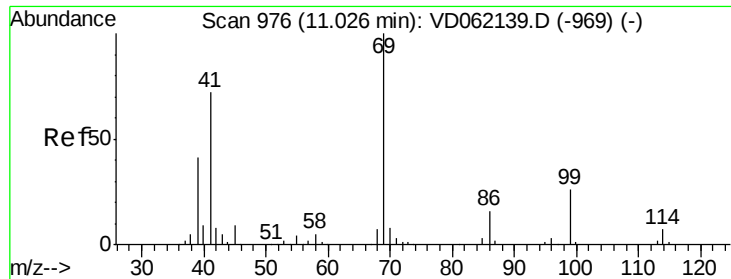


#55

1,1,2-Trichloroethane
 Concen: 52.658 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.04 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	82.7	65.7	98.5	
85	54.9	45.6	68.4	
99	61.3	48.4	72.6	





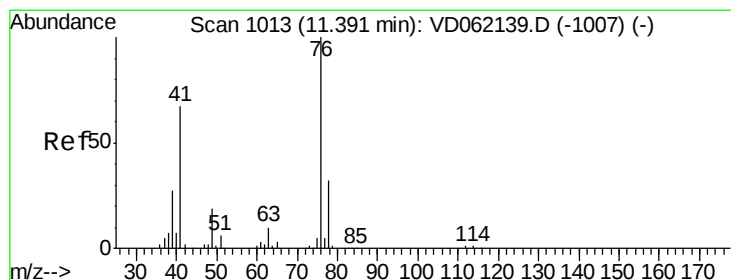
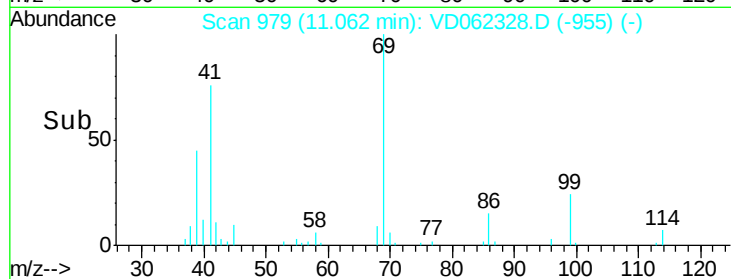
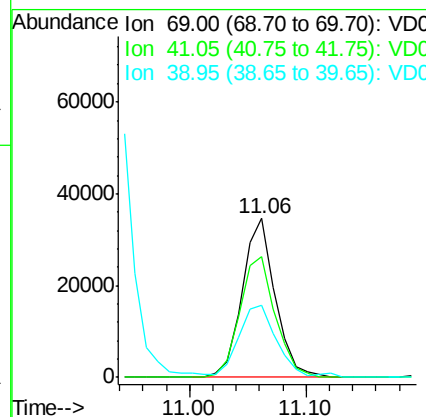
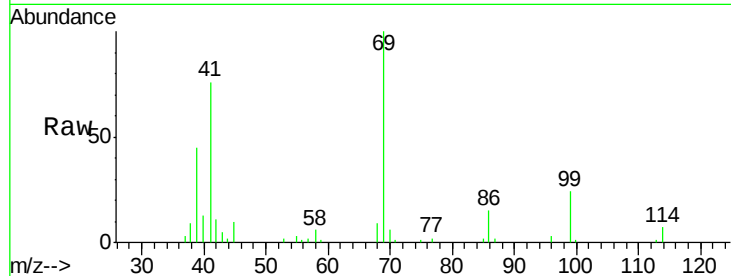
#56
Ethyl methacrylate
Concen: 17.255 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
69	100		
41	76.2	56.3	84.5
39	45.2	29.4	44.2

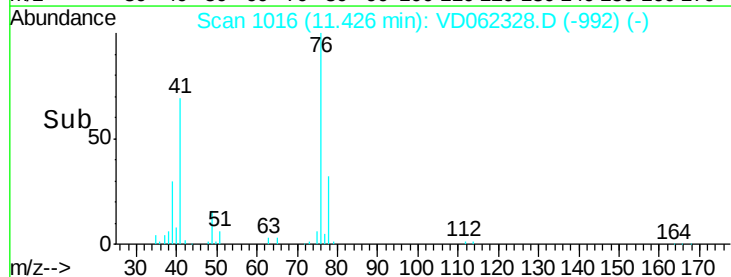
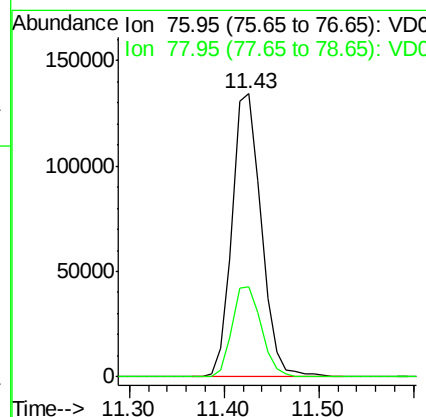
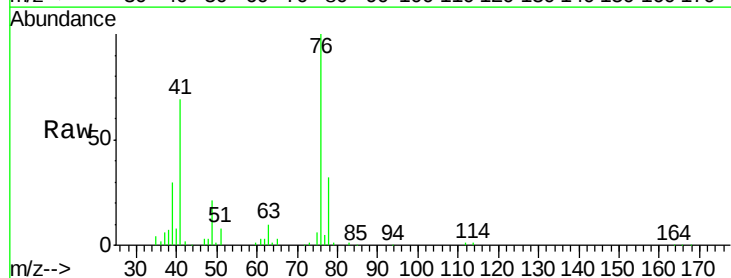
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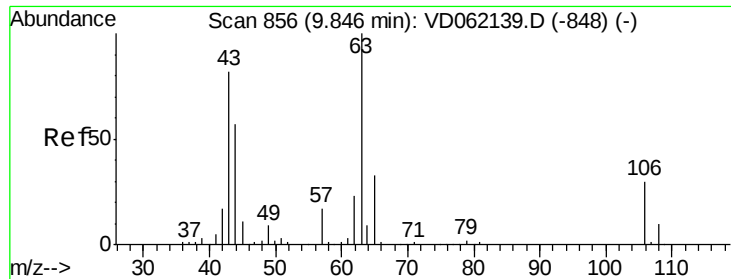
MMDadoda
5/14/2019 9:50:54 AM



#57
1,3-Dichloropropane
Concen: 50.615 ug/l
RT: 11.43 min Scan# 1016
Delta R.T. 0.04 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.2





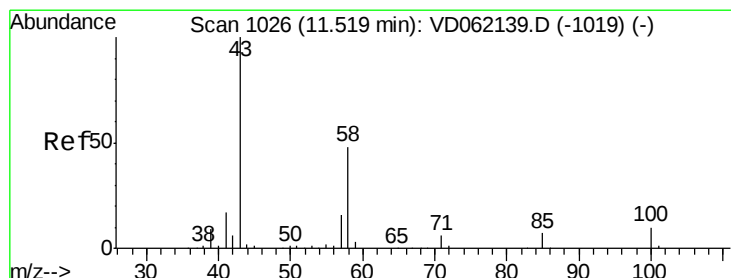
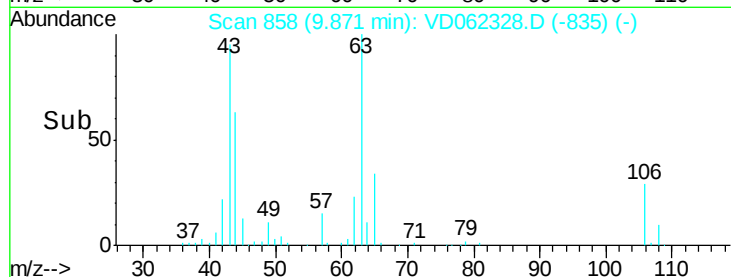
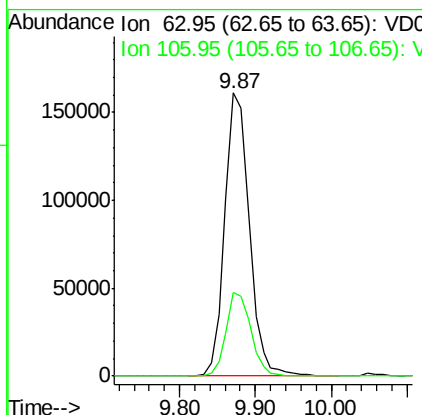
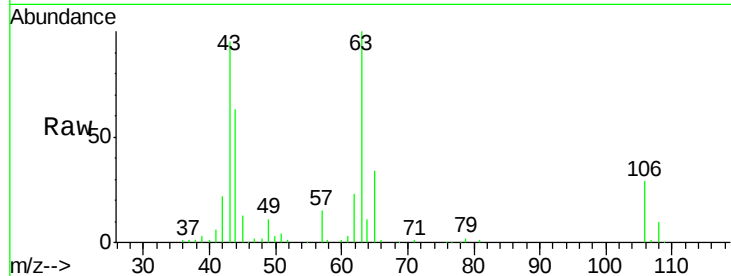
#58
2-Chloroethyl Vinyl ether
Concen: 169.753 ug/l
RT: 9.87 min Scan# 858
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 63 Resp: 362833
Ion Ratio Lower Upper
63 100
106 29.4 22.6 34.0

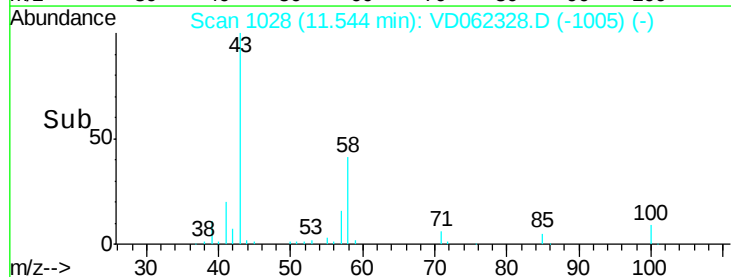
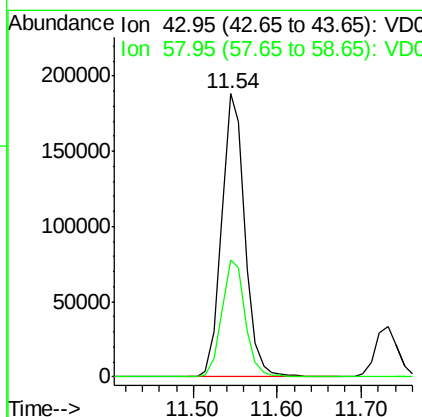
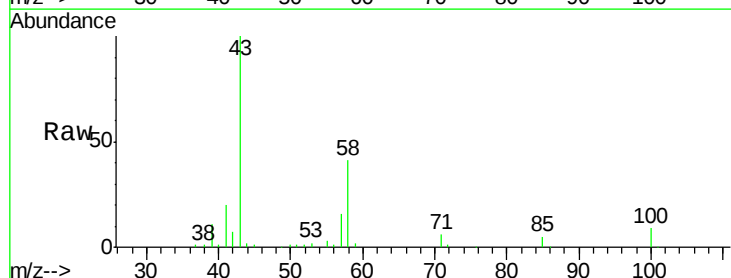
Manual Integrations
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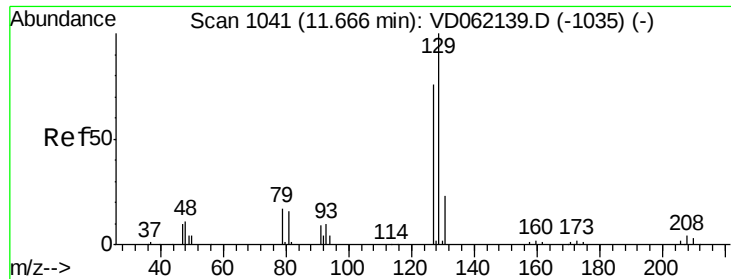
MMDadoda
5/14/2019 9:50:54 AM



#59
2-Hexanone
Concen: 173.764 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 43 Resp: 358666
Ion Ratio Lower Upper
43 100
58 41.2 25.4 76.4





#60

Dibromochloromethane

Concen: 57.614 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.04 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:129 Resp: 374937

Ion Ratio Lower Upper

129 100

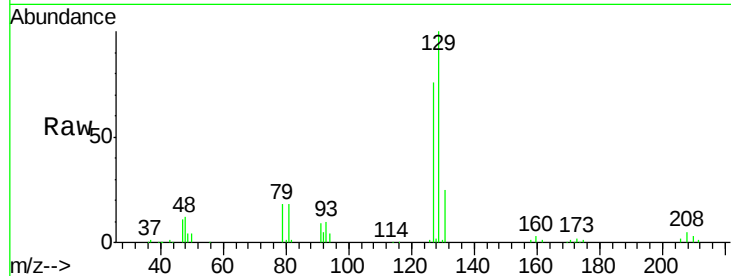
127 76.2 38.0 113.9

Manual Integrations

APPROVED

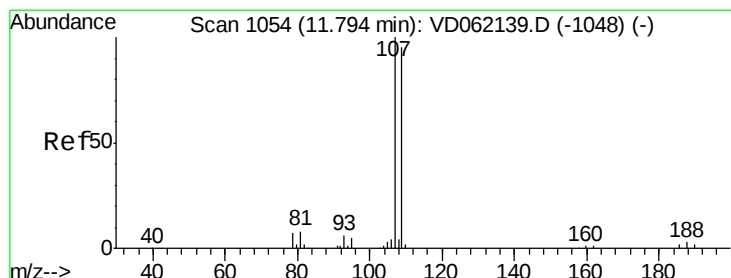
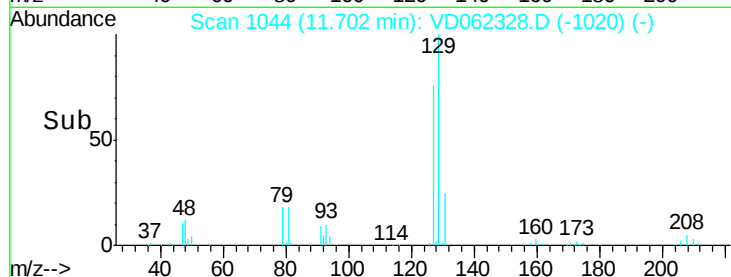
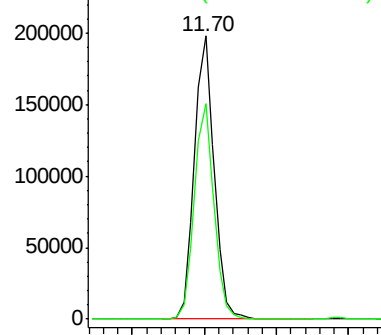
MMDadoda

5/14/2019 9:50:54 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.833 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.03 min

Lab File: VD062328.D

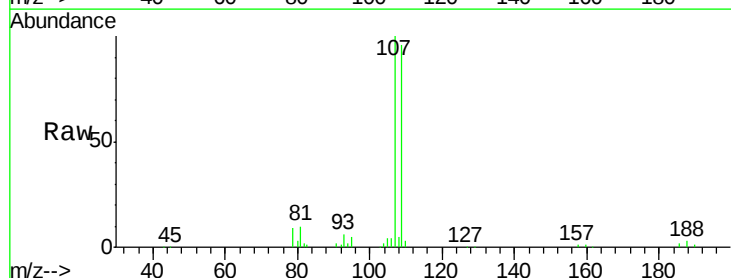
Acq: 14 May 2019 3:26

Tgt Ion:107 Resp: 228140

Ion Ratio Lower Upper

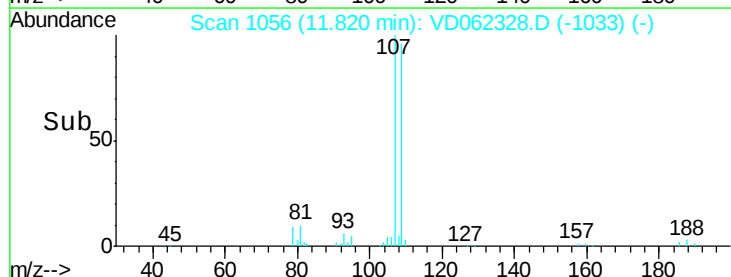
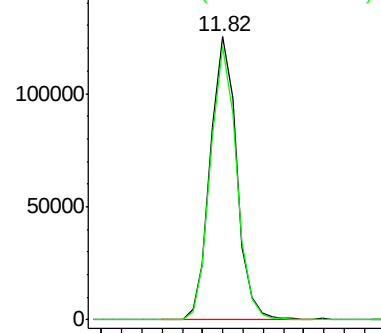
107 100

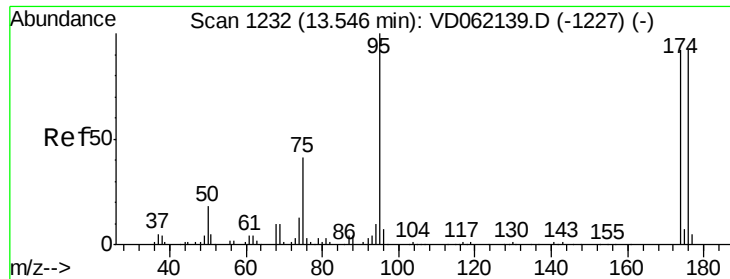
109 96.5 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





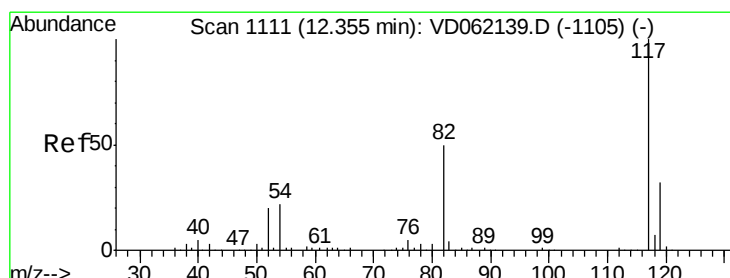
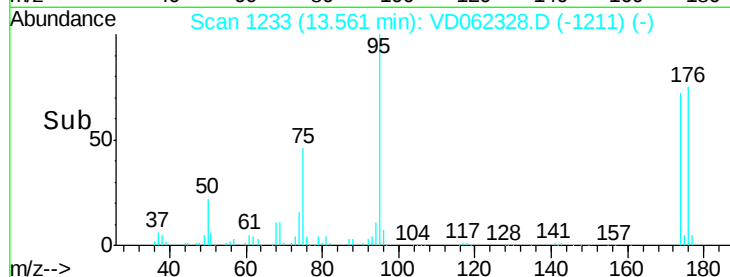
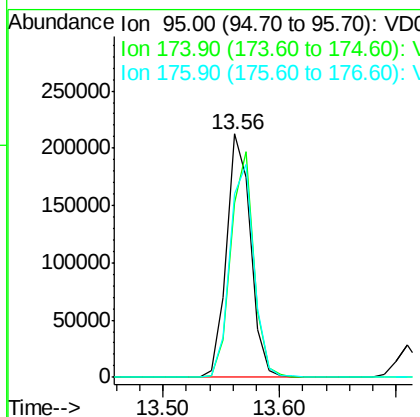
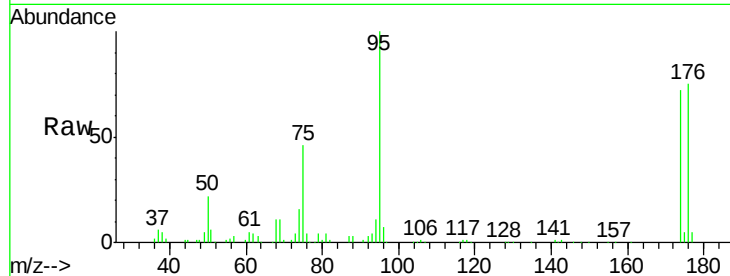
#62
4-Bromofluorobenzene
Concen: 42.623 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	302502		
174	71.8	0.0	181.8	
176	75.2	0.0	174.4	

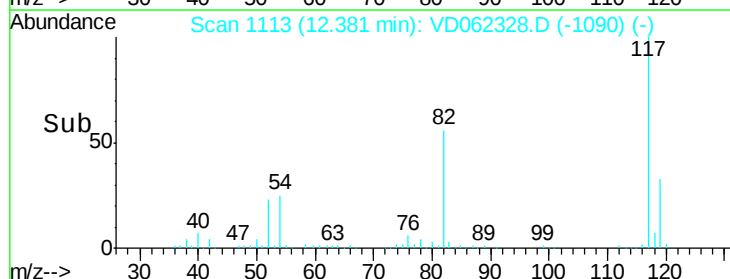
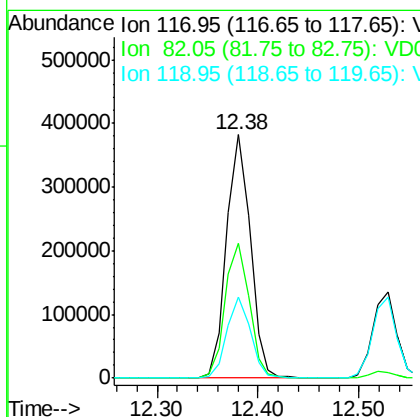
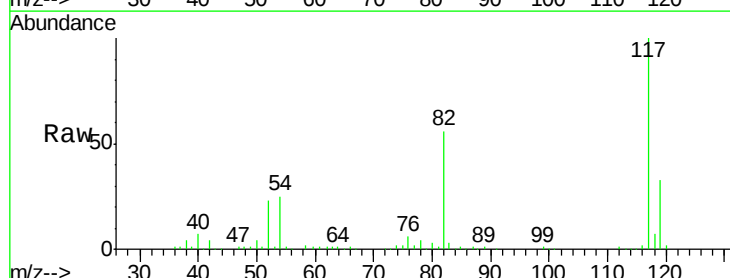
Manual Integrations
APPROVED

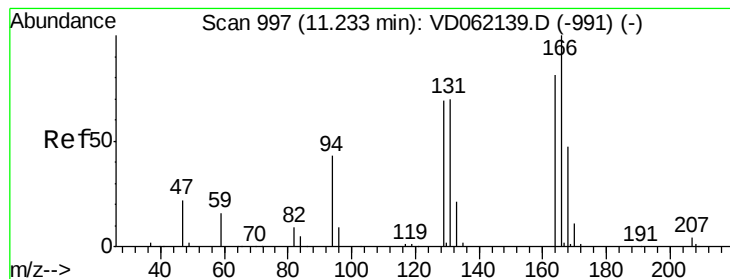
MMDadoda
5/14/2019 9:50:54 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	630871		
82	55.6	36.2	54.2#	
119	33.4	26.2	39.4	





#64

Tetrachloroethene

Concen: 65.098 ug/l

RT: 11.28 min Scan# 1001

Delta R.T. 0.05 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:164 Resp: 321137

Ion Ratio Lower Upper

164 100

166 122.8 101.5 152.3

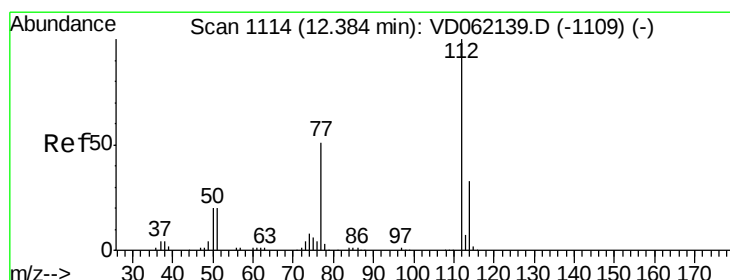
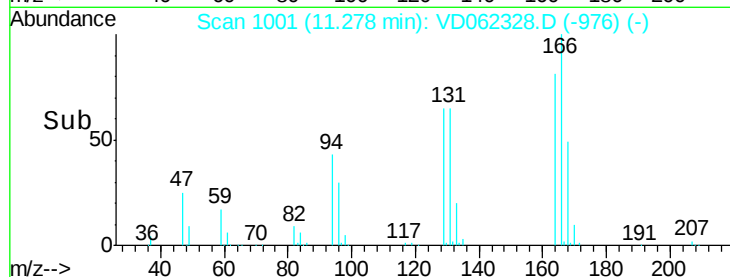
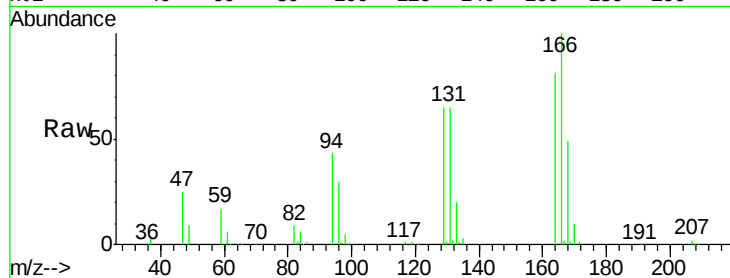
129 79.9 74.6 112.0

131 79.6 72.6 108.8

Manual Integrations
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#65

Chlorobenzene

Concen: 57.639 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.03 min

Lab File: VD062328.D

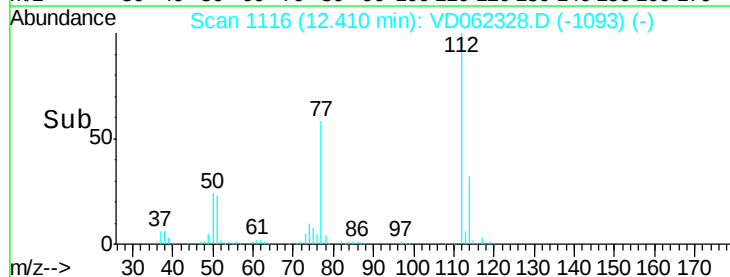
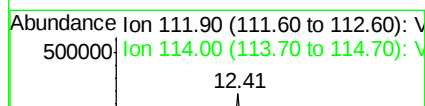
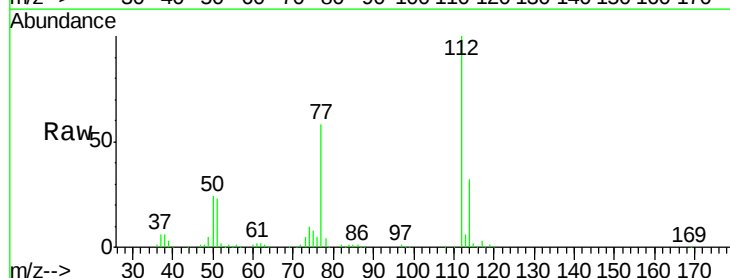
Acq: 14 May 2019 3:26

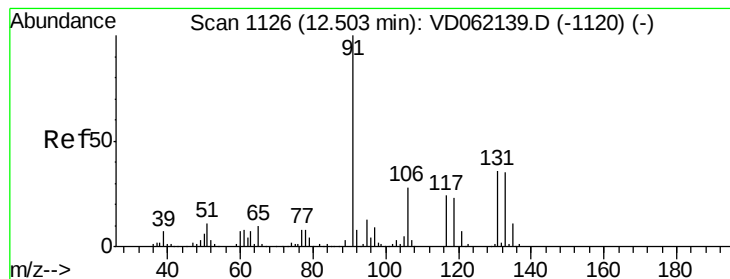
Tgt Ion:112 Resp: 677268

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 70.115 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

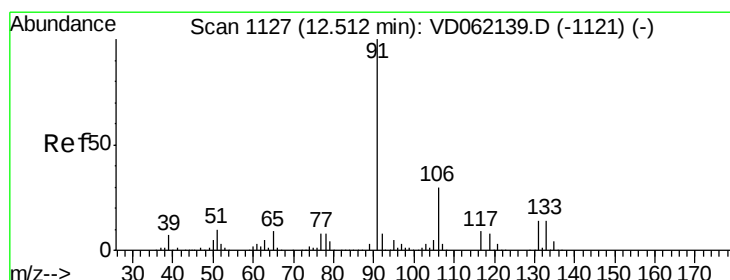
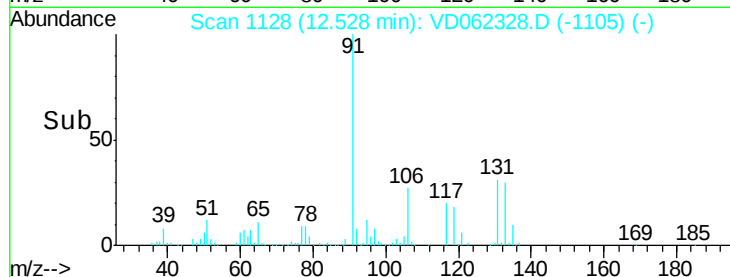
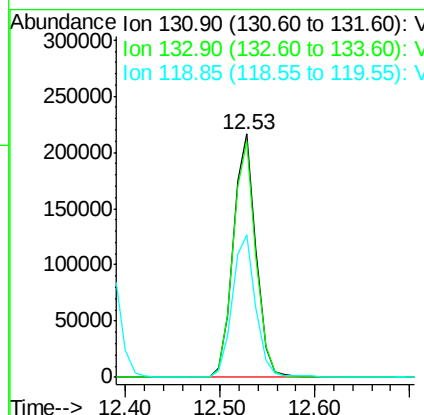
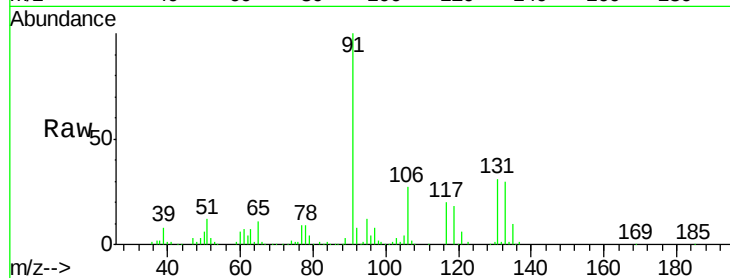
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	131	Resp:	358557
Ion Ratio	Lower	Upper	
131	100		
133	97.0	48.6	145.8
119	58.7	34.7	104.1

Manual Integrations
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#67

Ethyl Benzene

Concen: 69.487 ug/l

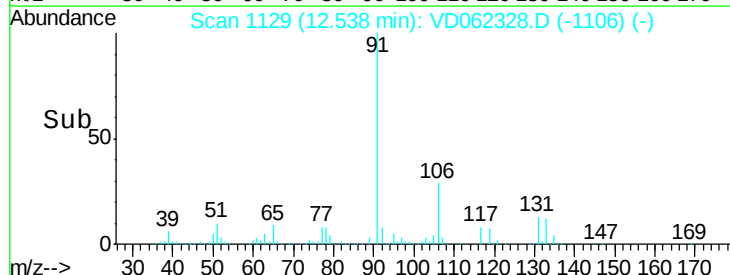
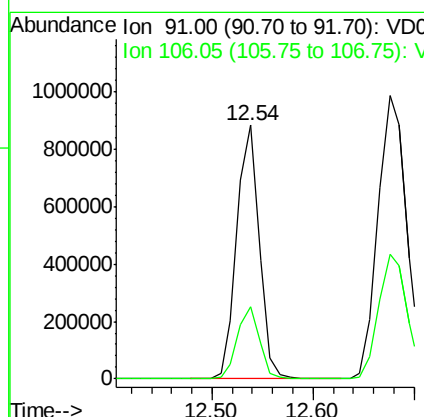
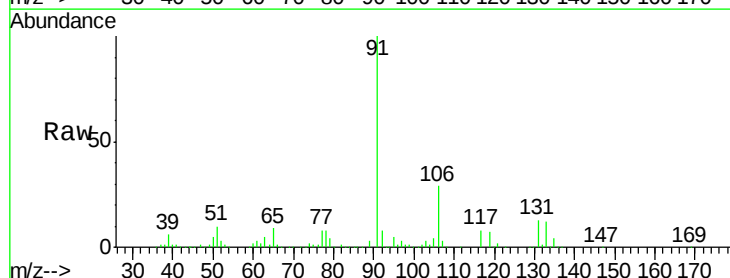
RT: 12.54 min Scan# 1129

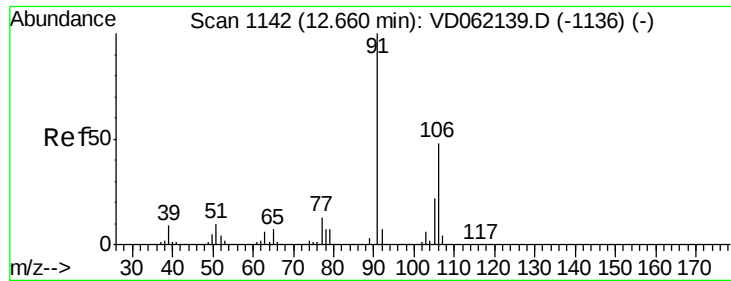
Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	91	Resp:	1366913
Ion Ratio	Lower	Upper	
91	100		
106	28.6	24.7	37.1





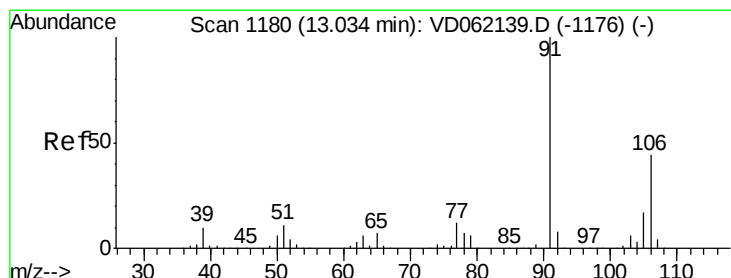
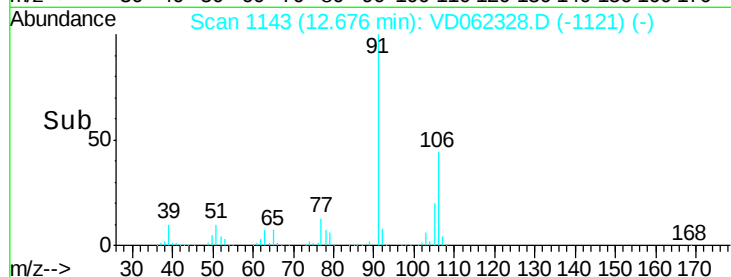
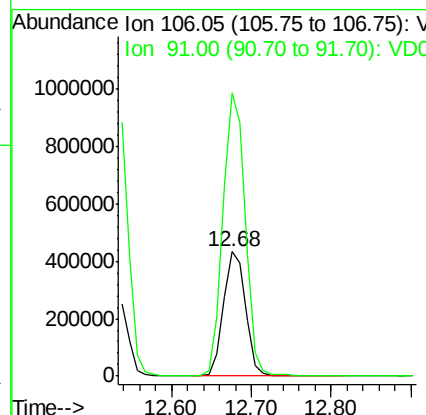
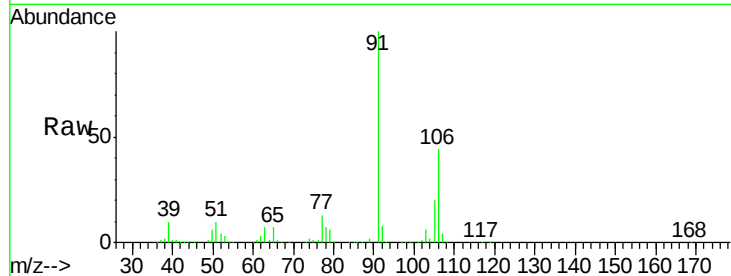
#68
m/p-Xylenes
Concen: 118.691 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion:106 Resp: 849464
Ion Ratio Lower Upper
106 100
91 227.4 164.0 246.0

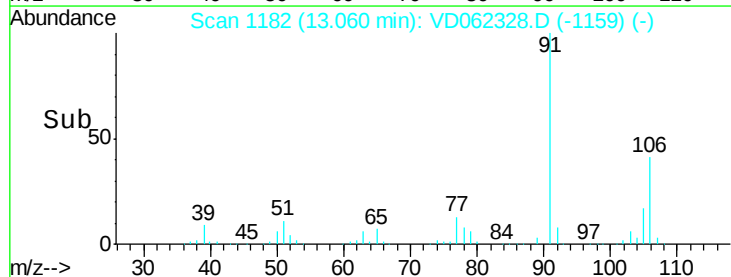
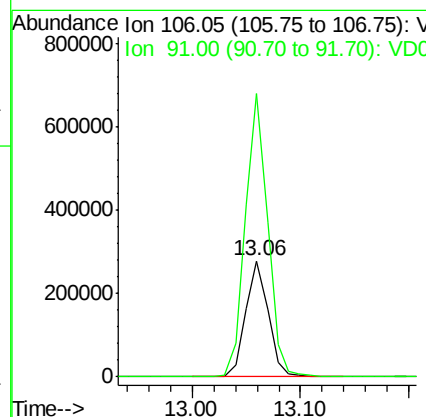
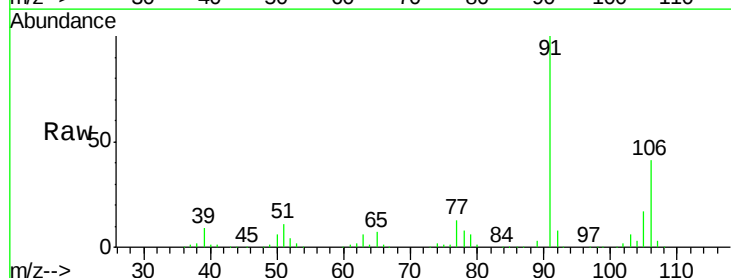
Manual Integrations
APPROVED

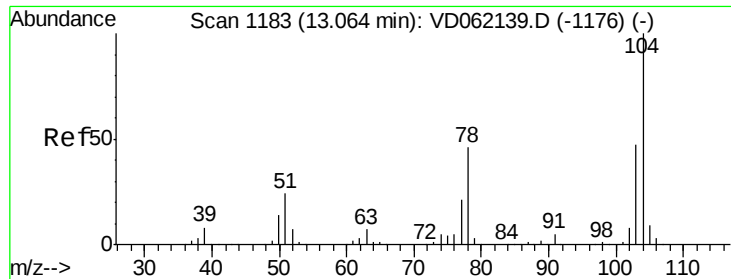
MMDadoda
5/14/2019 9:50:54 AM



#69
o-Xylene
Concen: 60.344 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion:106 Resp: 401516
Ion Ratio Lower Upper
106 100
91 243.3 106.7 319.9





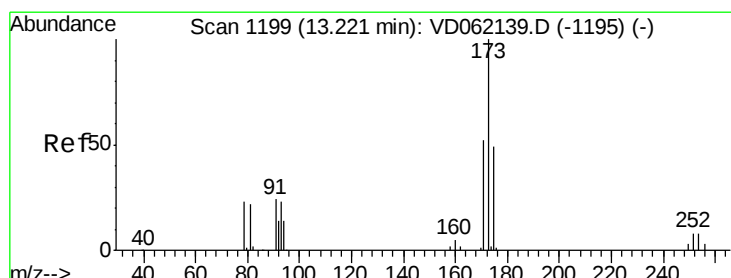
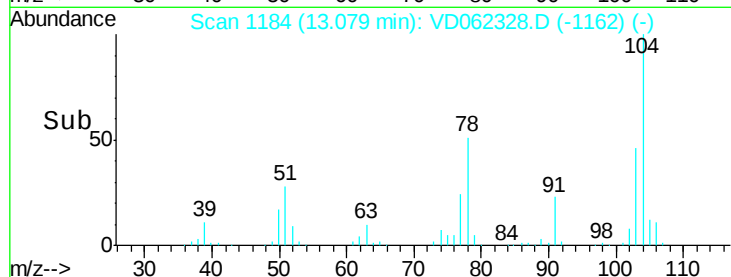
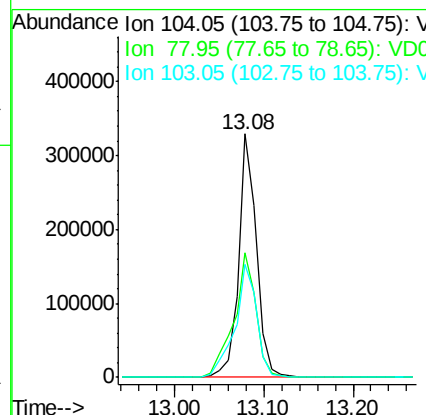
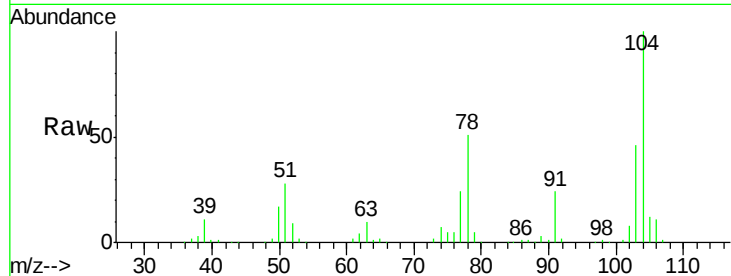
#70
Stvrene
Concen: 41.046 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	462652		
78	51.2	35.4	53.2	
103	46.2	37.5	56.3	

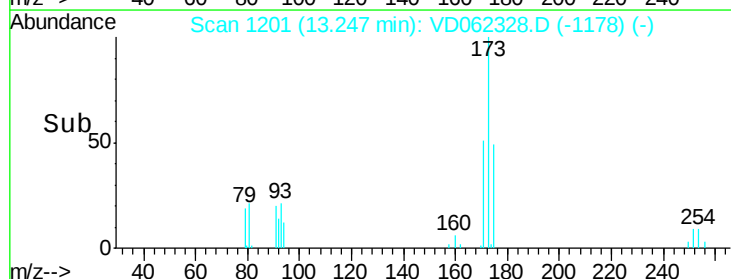
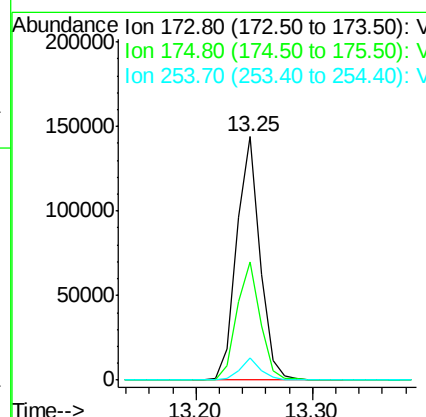
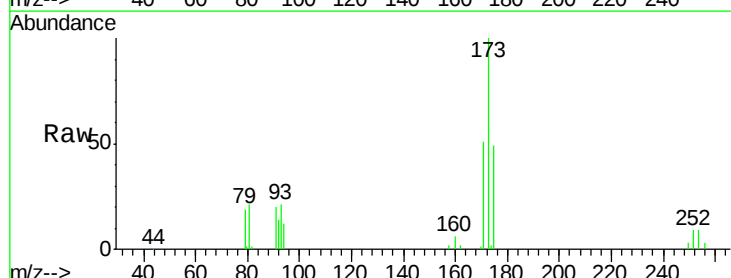
Manual Integrations
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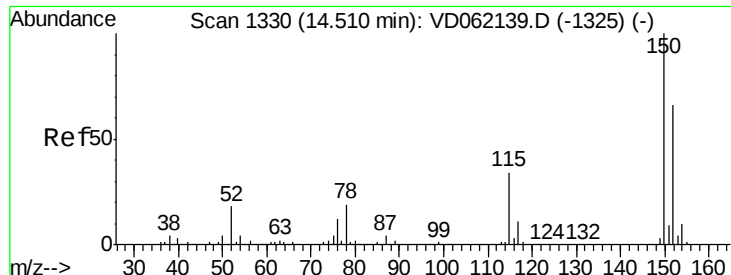
MMDadoda
5/14/2019 9:50:54 AM



#71
Bromoform
Concen: 56.127 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	199692		
175	48.6	24.4	73.4	
254	9.4	5.4	8.2#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:152 Resp: 270774

Ion Ratio Lower Upper

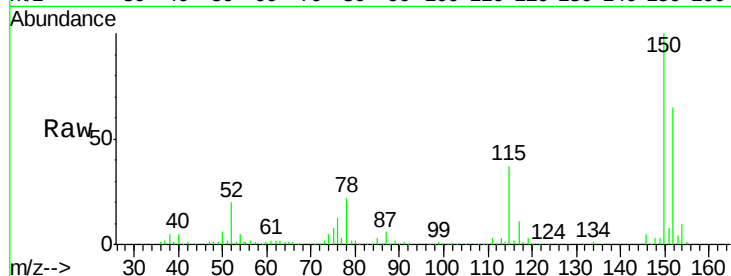
152 100

115 56.5 30.9 92.7

150 154.6 0.0 314.8

Manual Integrations
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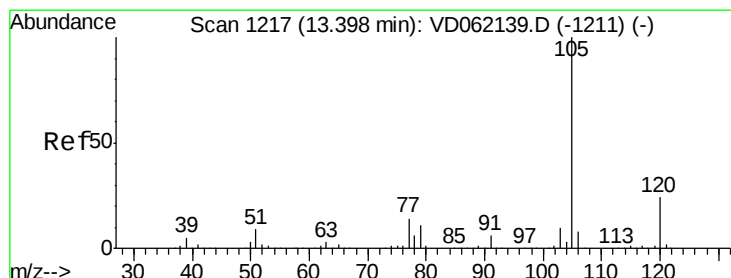
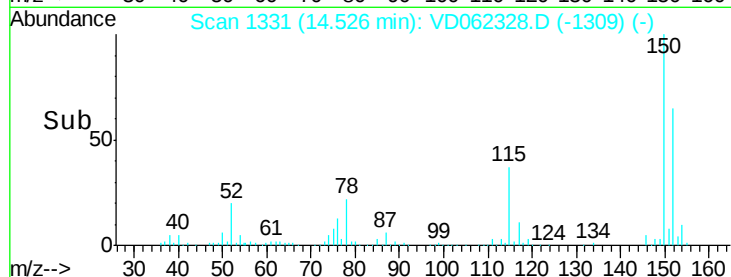
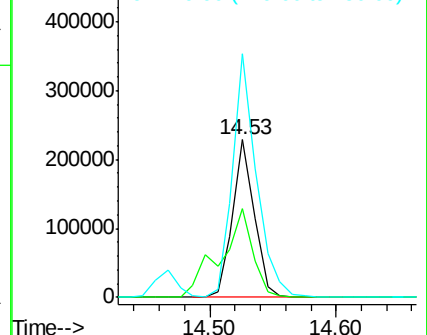
MMDadoda
5/14/2019 9:50:54 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 72.998 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD062328.D

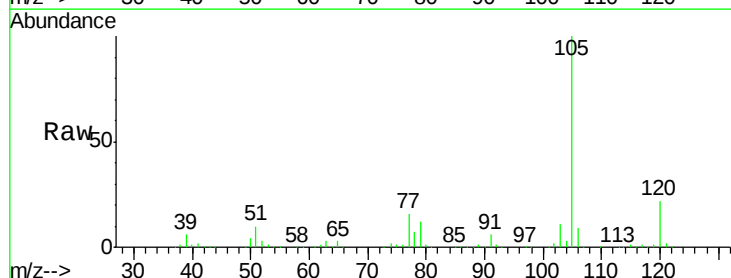
Acq: 14 May 2019 3:26

Tgt Ion:105 Resp: 1184835

Ion Ratio Lower Upper

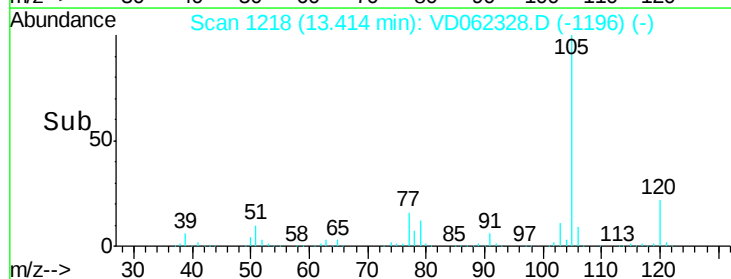
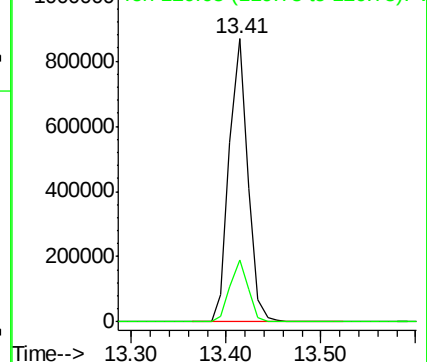
105 100

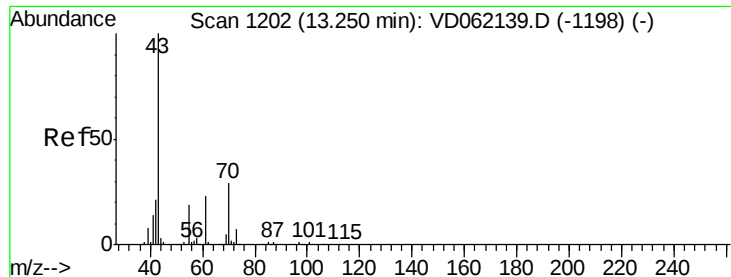
120 21.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 13.547 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.03 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

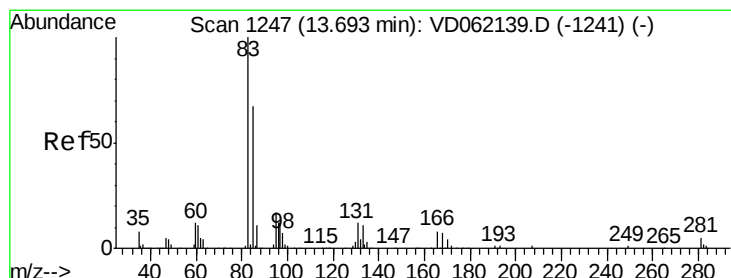
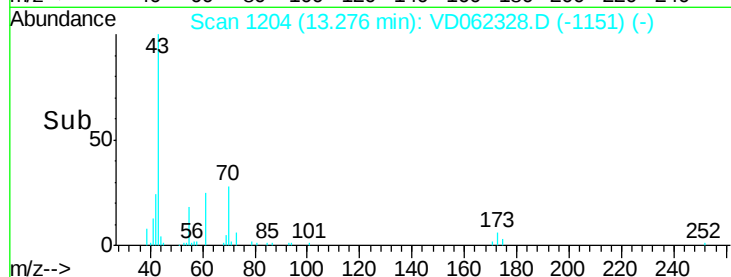
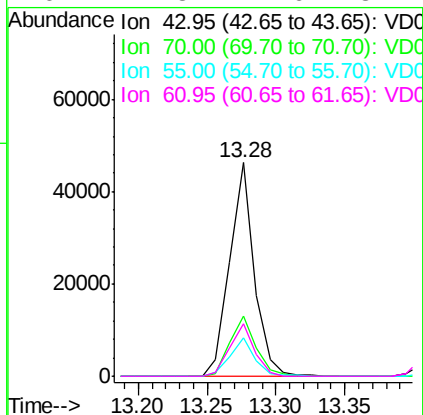
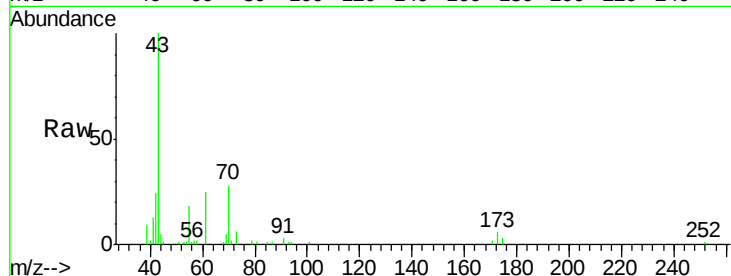
ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion:	43	Resp:	57647
Ion	Ratio	Lower	Upper
43	100		
70	28.1	24.2	36.4
55	17.9	16.0	24.0
61	24.8	21.6	32.4

Manual Integrations
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5/14/2019 9:50:54 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 62.605 ug/l

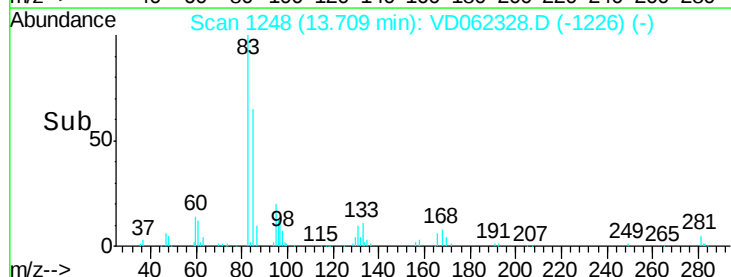
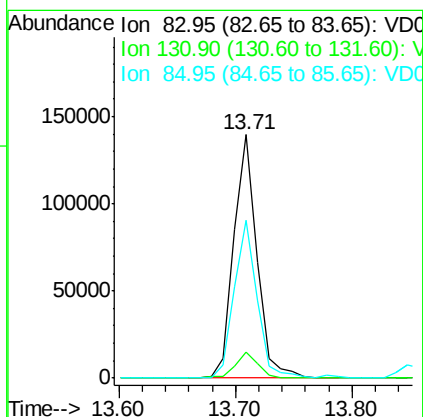
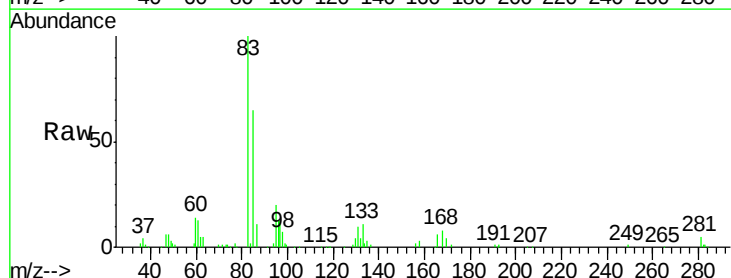
RT: 13.71 min Scan# 1248

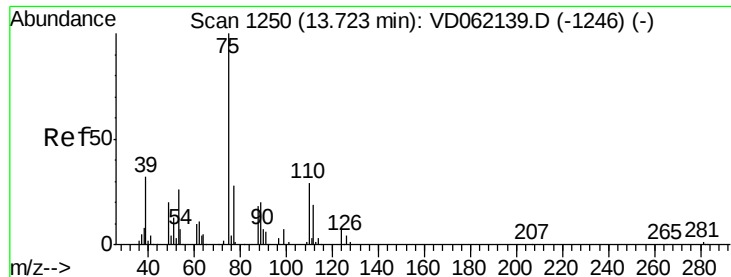
Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Tgt Ion:	83	Resp:	192368
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	14.9
85	65.0	32.6	97.7





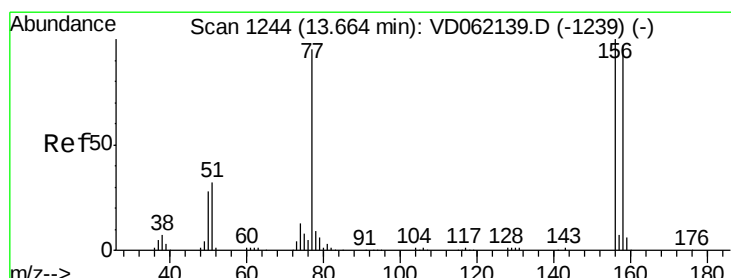
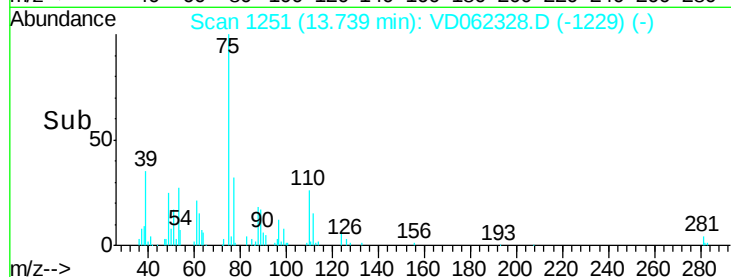
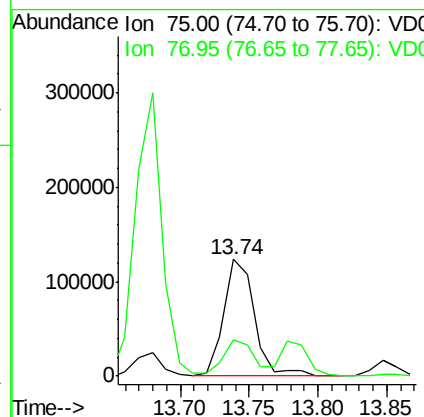
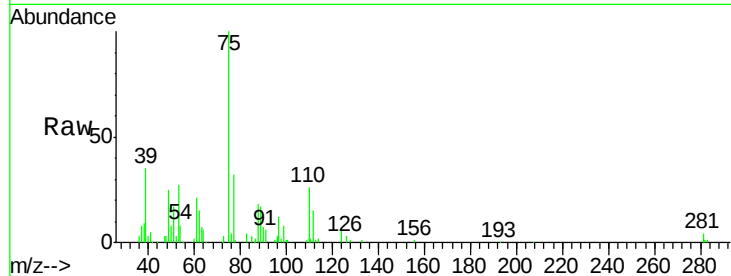
#76
 1,2,3-Trichloropropane
 Concen: 59.494 ug/l
 RT: 13.74 min Scan# 1251
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion: 75 Resp: 191447
 Ion Ratio Lower Upper
 75 100
 77 31.5 16.4 49.4

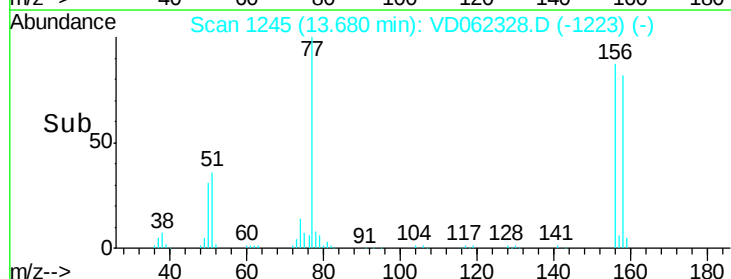
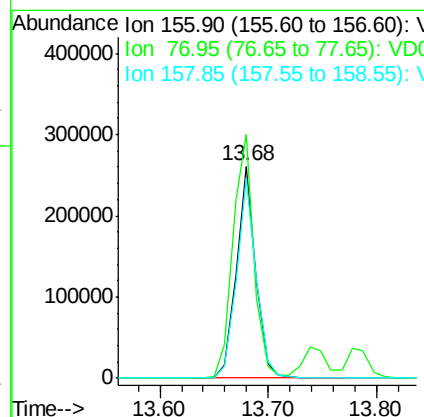
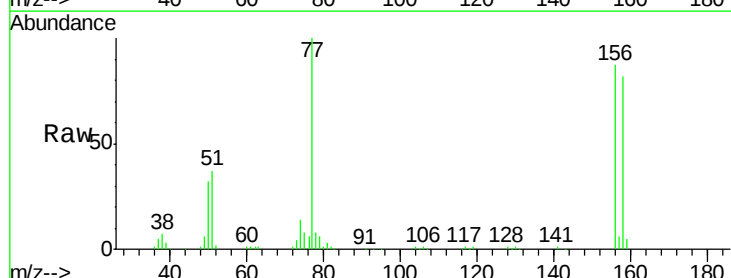
Manual Integrations
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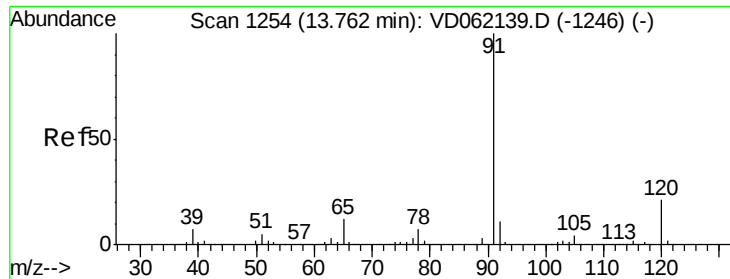
MMDadoda
 5/14/2019 9:50:54 AM



#77
 Bromobenzene
 Concen: 71.118 ug/l
 RT: 13.68 min Scan# 1245
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion: 156 Resp: 323136
 Ion Ratio Lower Upper
 156 100
 77 114.9 53.1 159.4
 158 94.4 49.4 148.0





#78

n-propylbenzene

Concen: 64.646 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MSD

Tot Ion: 91 Resp: 1251657

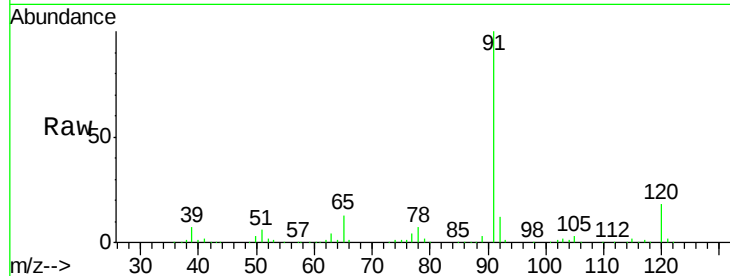
Ion Ratio Lower Upper

91 100

120 17.9 11.1 33.1

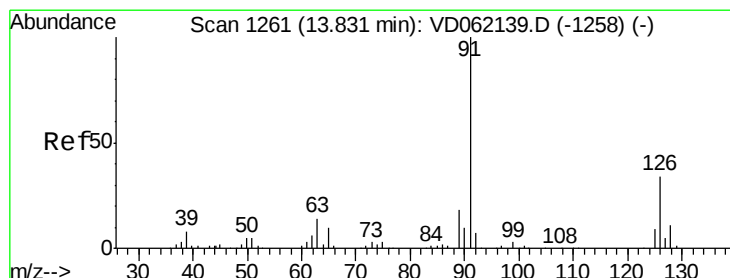
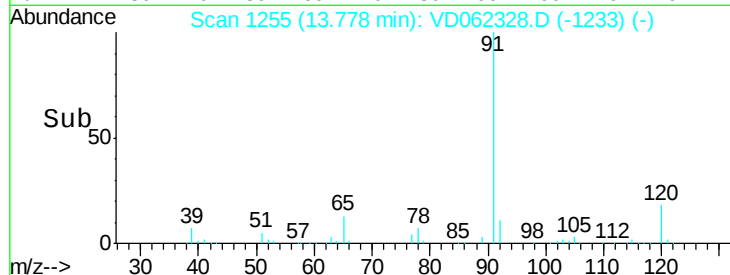
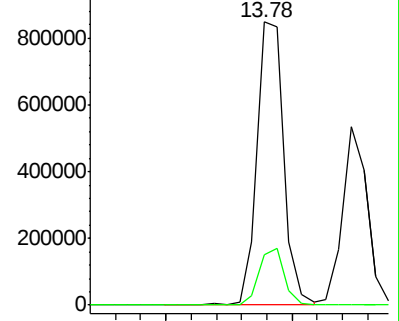
Manual Integrations
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5/14/2019 9:50:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 64.490 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062328.D

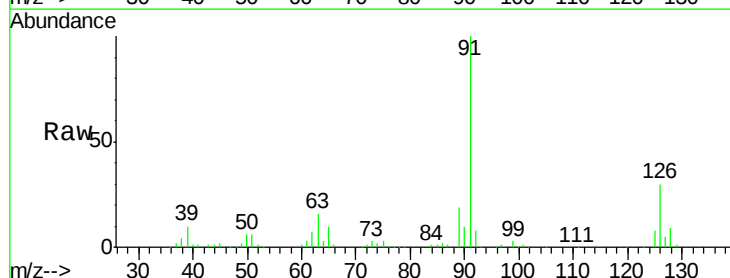
Acq: 14 May 2019 3:26

Tgt Ion: 91 Resp: 715118

Ion Ratio Lower Upper

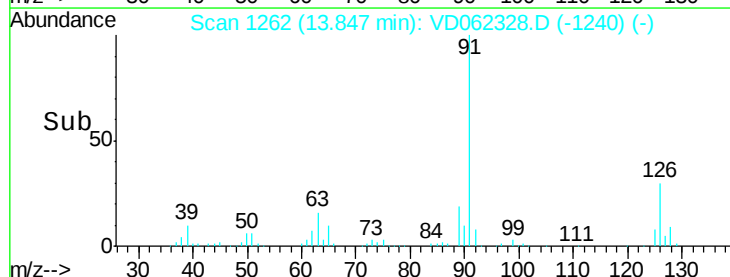
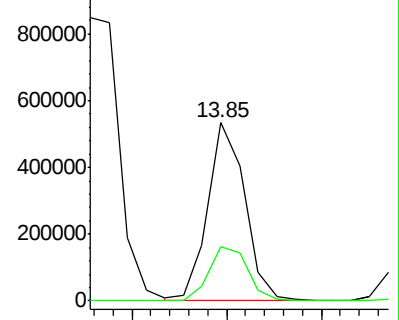
91 100

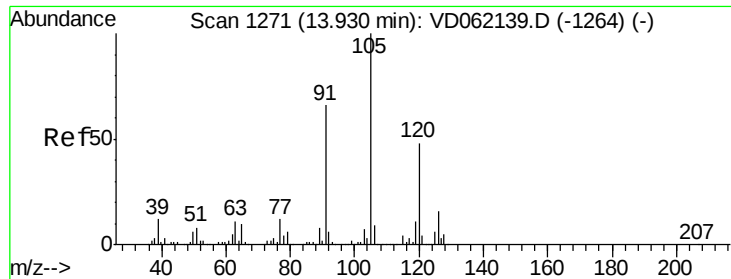
126 30.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





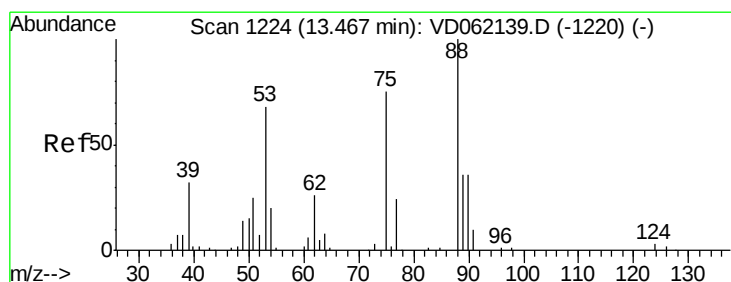
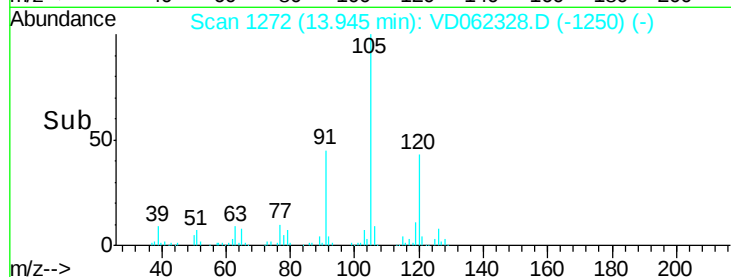
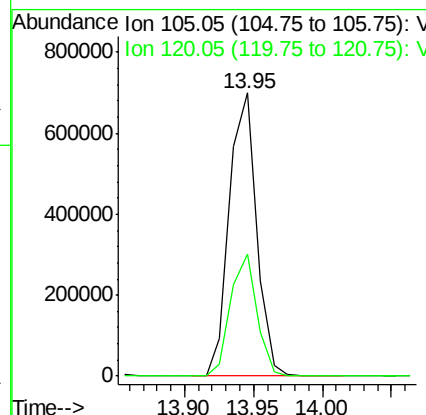
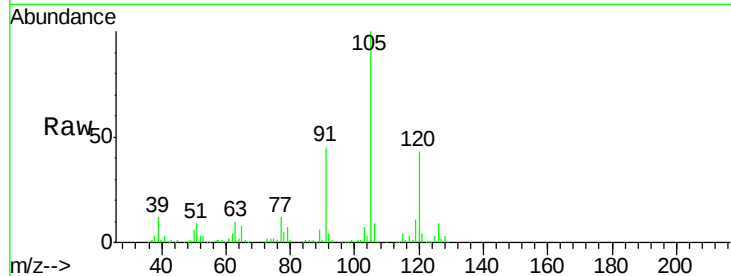
#80
 1,3,5-Trimethylbenzene
 Concen: 70.461 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	963050		
120	43.3	24.0	72.0	

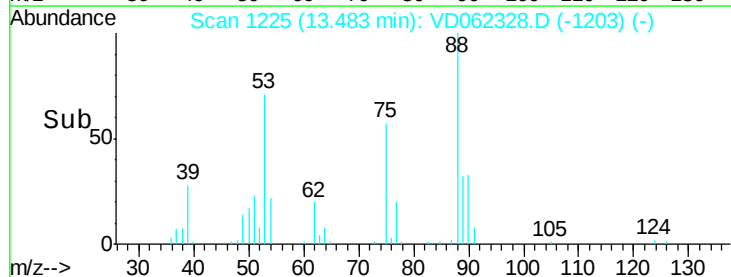
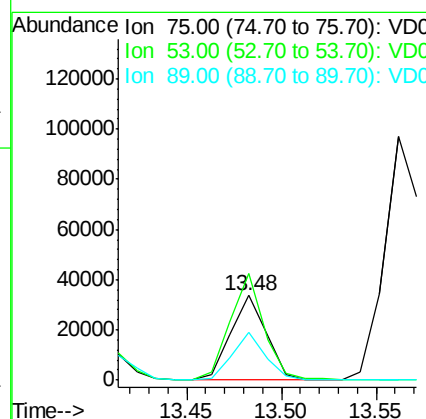
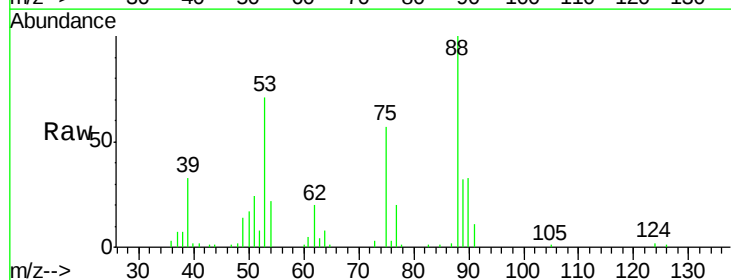
Manual Integrations
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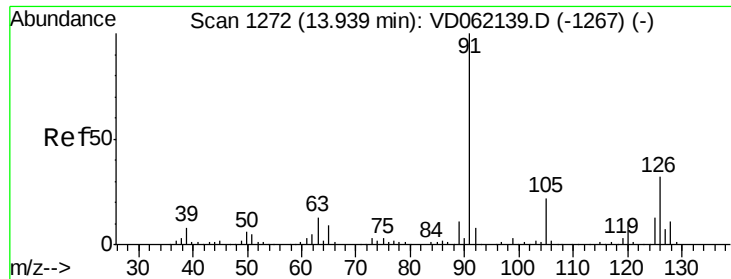
MMDadoda
 5/14/2019 9:50:54 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.375 ug/l
 RT: 13.48 min Scan# 1225
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43946		
53	125.1	65.8	98.8#	
89	56.6	35.0	52.6#	





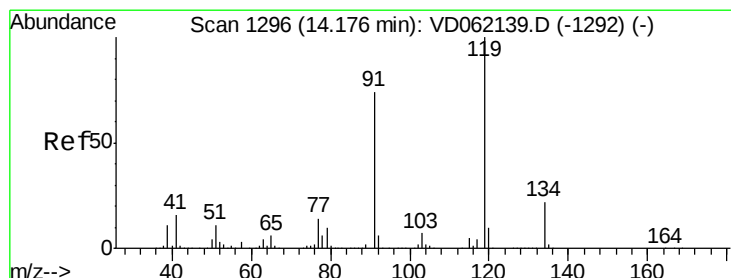
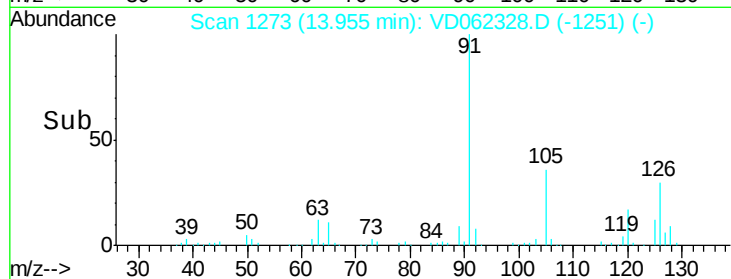
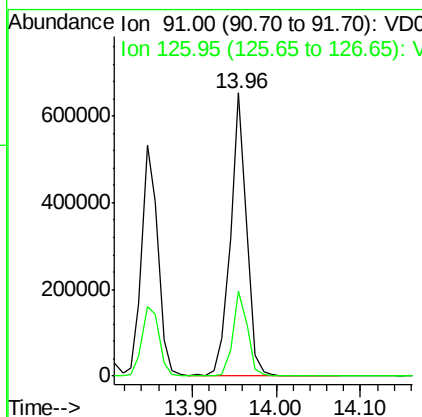
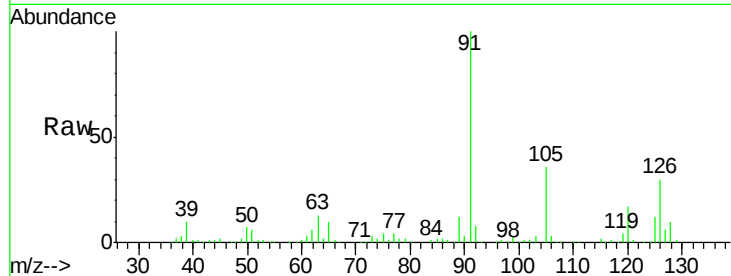
#82
4-Chlorotoluene
Concen: 65.980 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion: 91 Resp: 860968
Ion Ratio Lower Upper
91 100
126 30.0 19.1 57.5

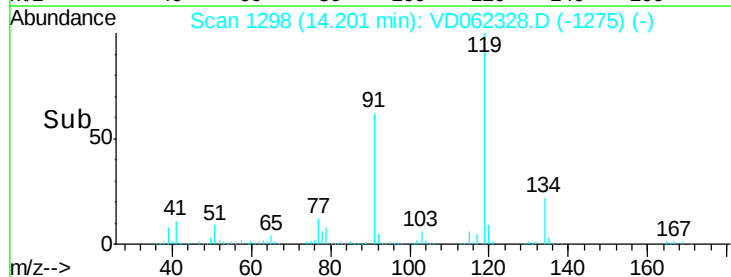
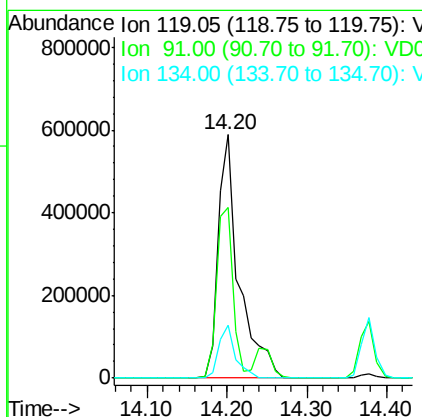
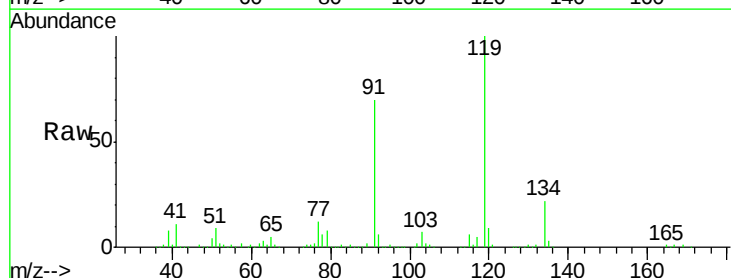
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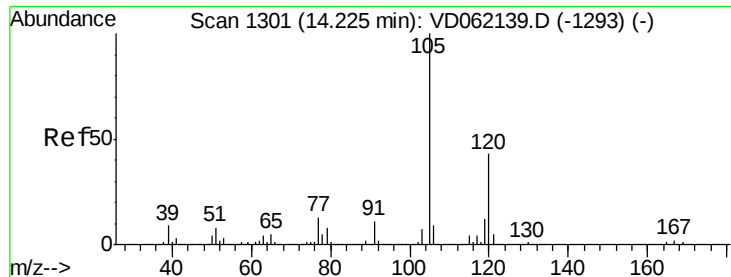
MMDadoda
5/14/2019 9:50:54 AM



#83
tert-Butylbenzene
Concen: 70.246 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion: 119 Resp: 1079164
Ion Ratio Lower Upper
119 100
91 70.1 34.2 102.6
134 21.8 12.0 36.0





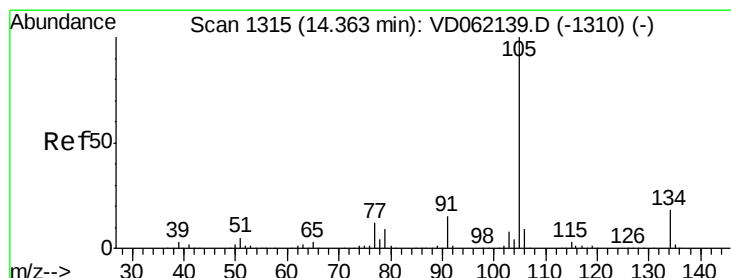
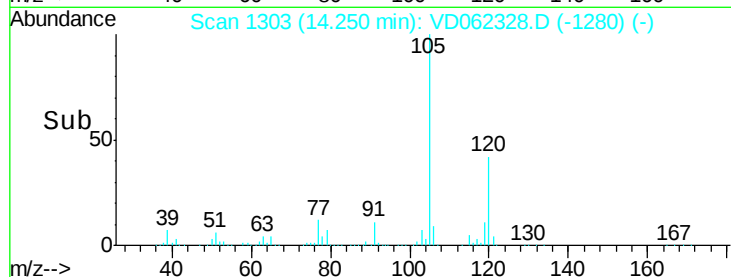
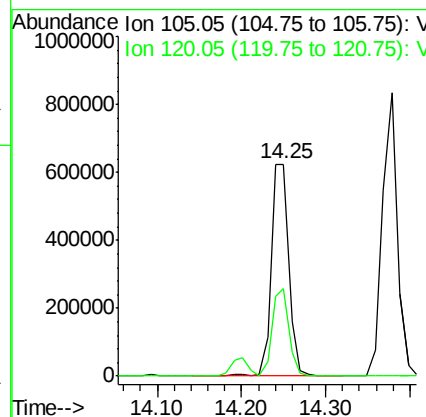
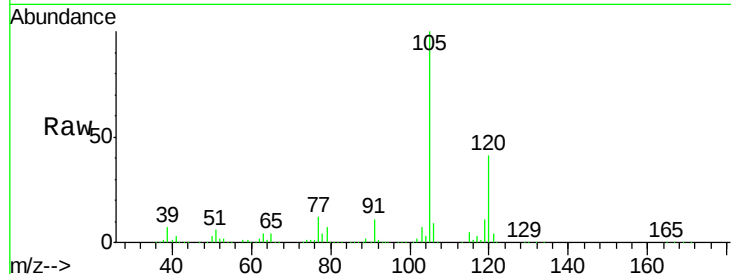
#84
1,2,4-Trimethylbenzene
Concen: 67.277 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion:105 Resp: 922748
Ion Ratio Lower Upper
105 100
120 41.5 23.1 69.2

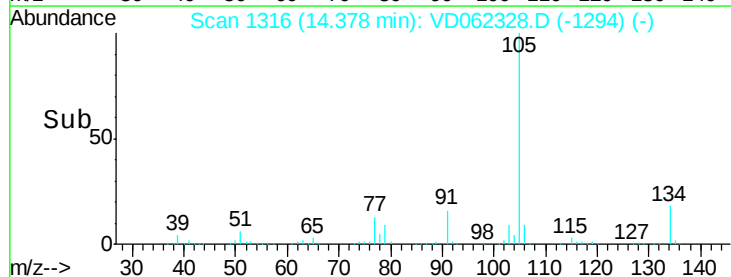
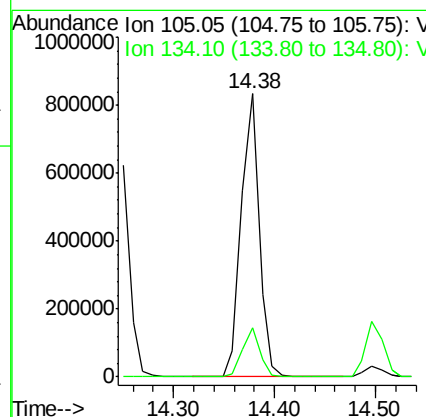
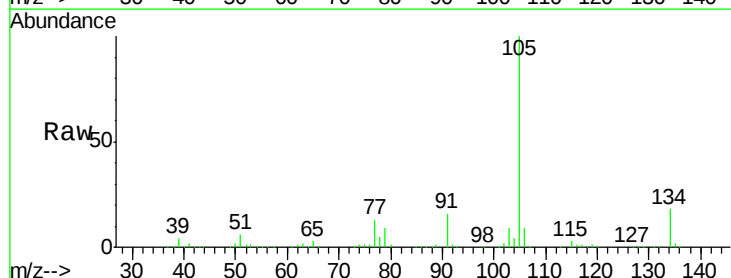
Manual Integrations
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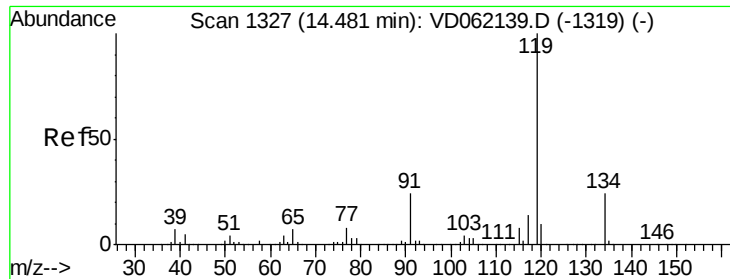
MMDadoda
5/14/2019 9:50:54 AM



#85
sec-Butylbenzene
Concen: 61.085 ug/l
RT: 14.38 min Scan# 1316
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion:105 Resp: 1028889
Ion Ratio Lower Upper
105 100
134 17.5 8.9 26.7





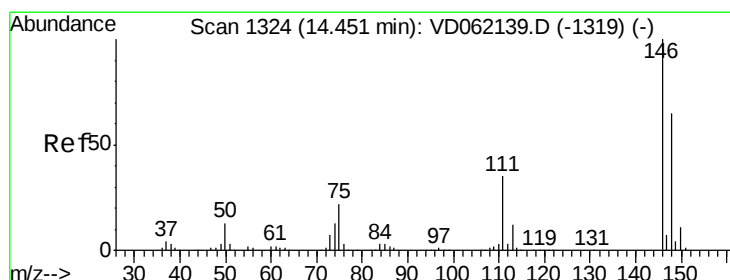
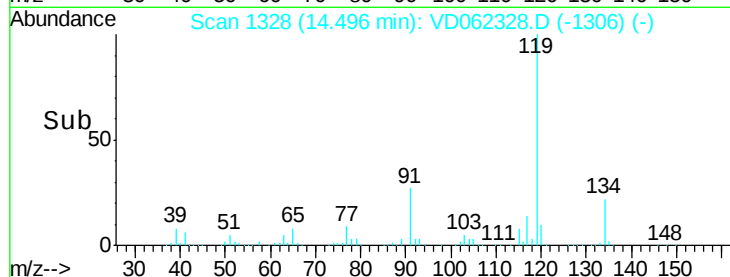
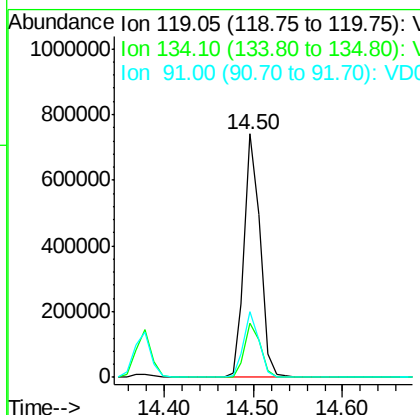
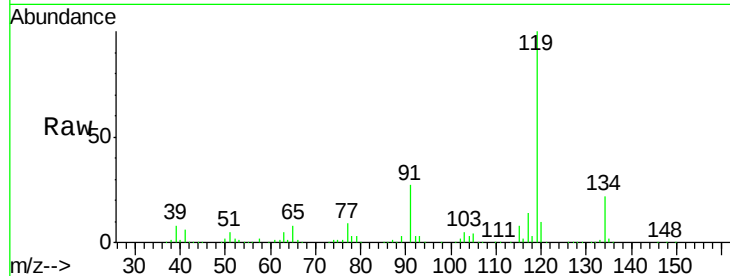
#86
 p-Isopropyltoluene
 Concen: 61.601 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.2	12.8	38.3
91	26.7	10.7	32.1

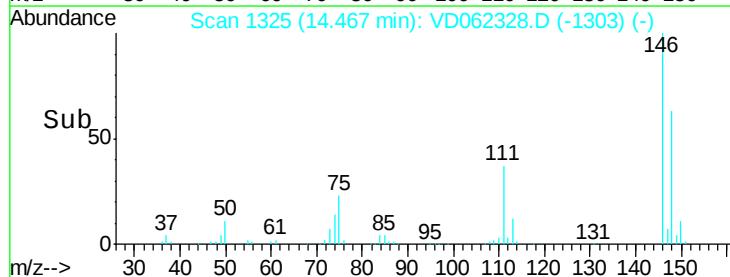
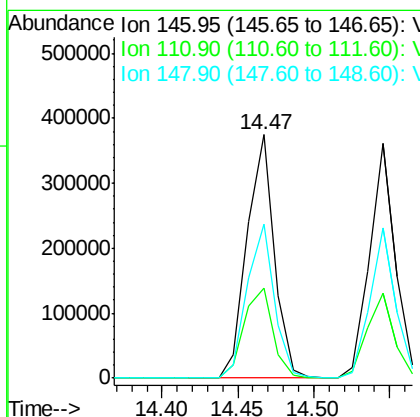
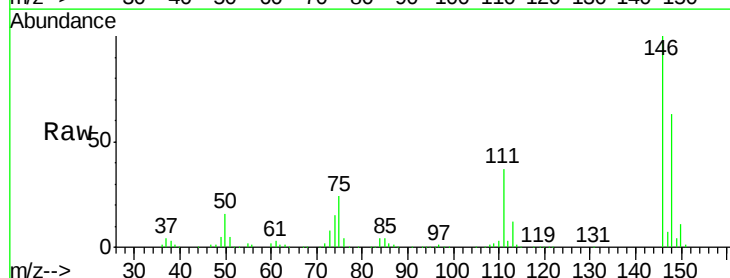
Manual Integrations
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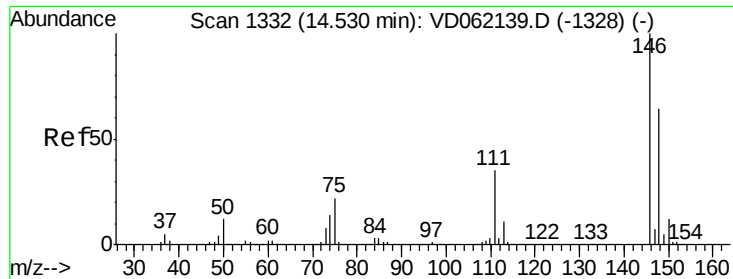
MMDadoda
 5/14/2019 9:50:54 AM



#87
 1,3-Dichlorobenzene
 Concen: 56.855 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.0	60.0
148	63.3	31.8	95.4





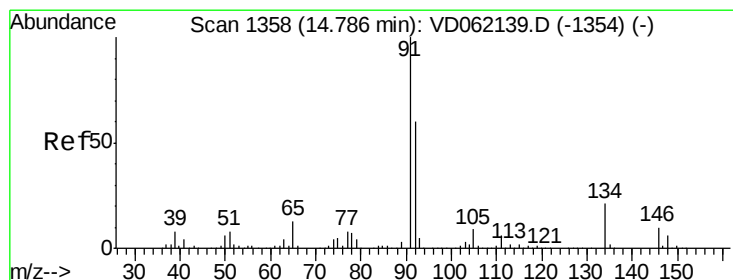
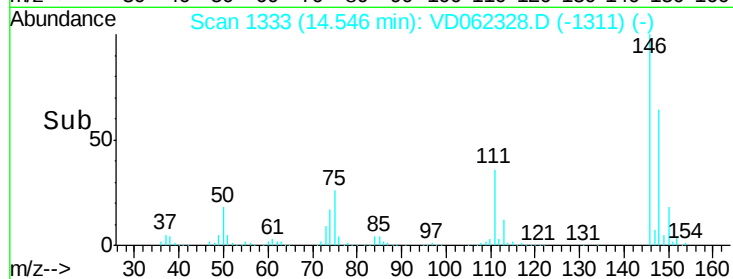
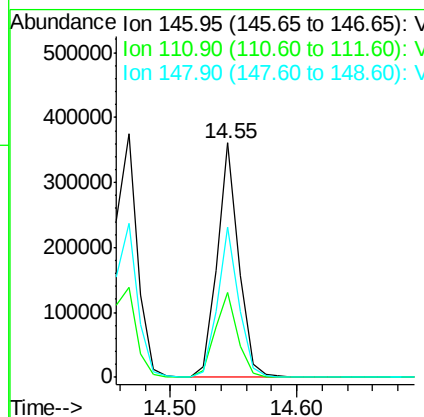
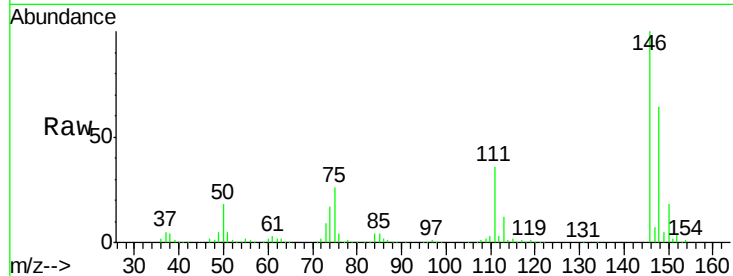
#88
 1,4-Dichlorobenzene
 Concen: 52.358 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.2	60.5
148	64.2	32.0	96.2

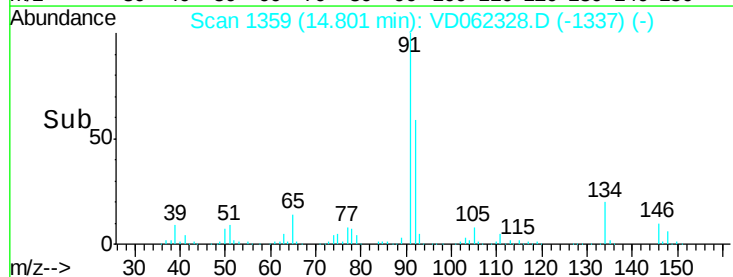
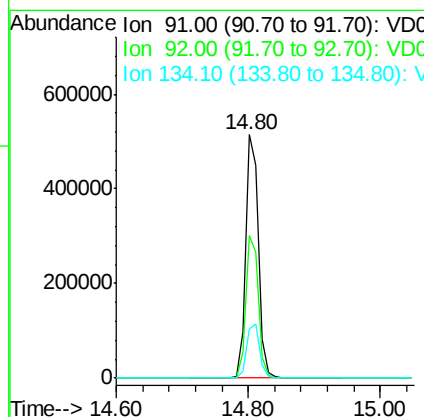
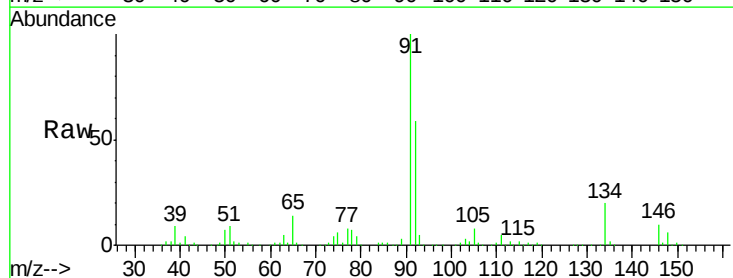
Manual Integrations
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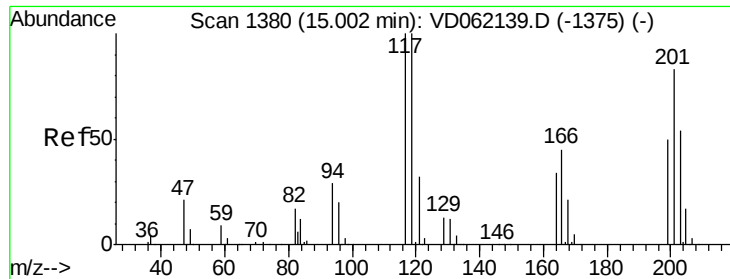
MMDadoda
 5/14/2019 9:50:54 AM



#89
 n-Butylbenzene
 Concen: 50.979 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	30.3	91.0
134	20.2	14.5	43.6





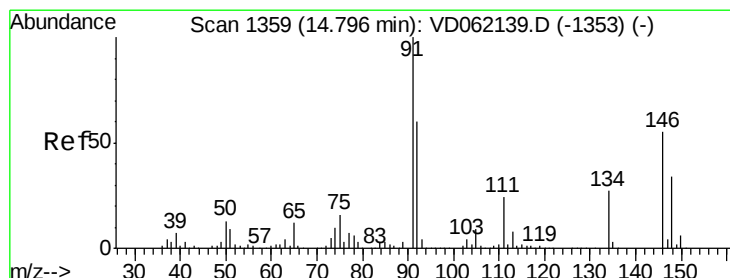
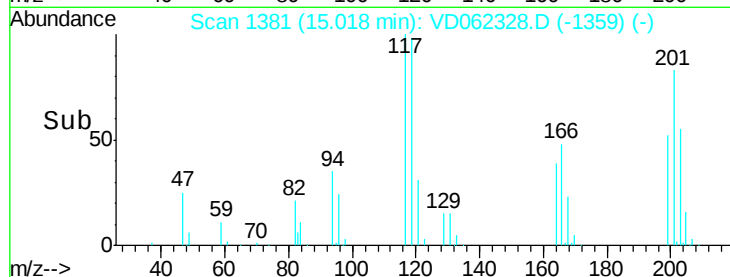
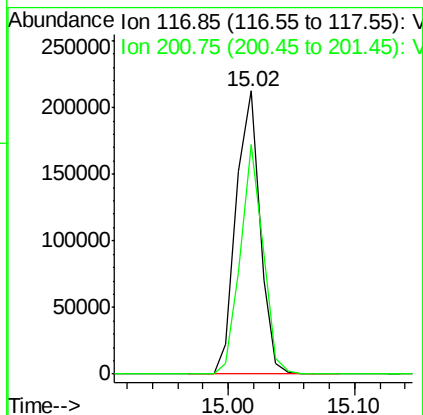
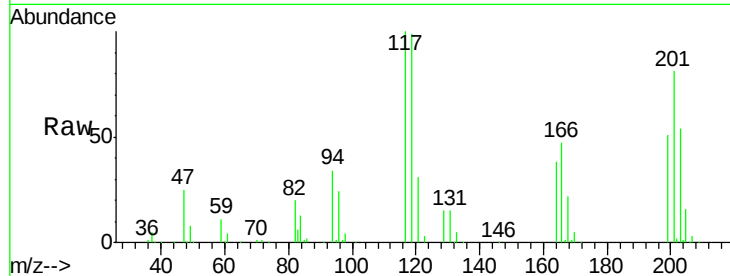
#90
Hexachloroethane
Concen: 67.421 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MSD

Tot Ion:117 Resp: 275917
Ion Ratio Lower Upper
117 100
201 81.2 30.2 90.6

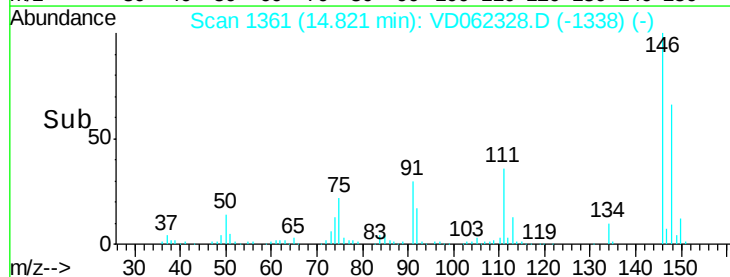
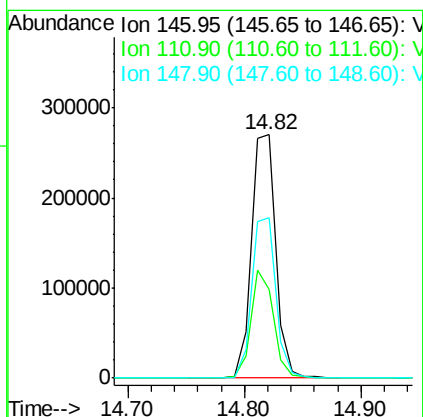
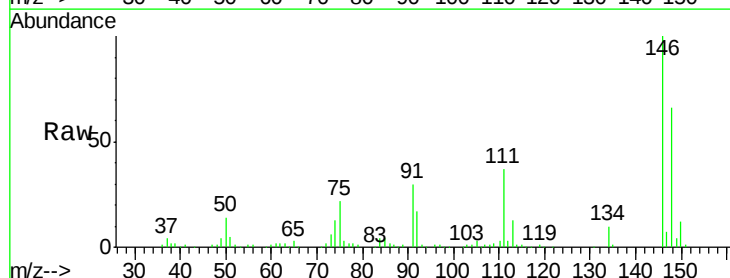
Manual Integrations
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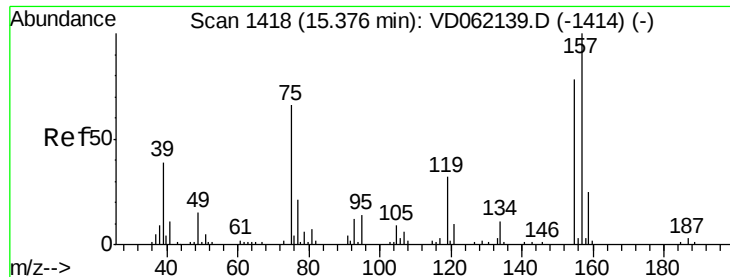
MMDadoda
5/14/2019 9:50:54 AM



#91
1,2-Dichlorobenzene
Concen: 57.360 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.03 min
Lab File: VD062328.D
Acq: 14 May 2019 3:26

Tgt Ion:146 Resp: 392095
Ion Ratio Lower Upper
146 100
111 36.5 20.0 59.9
148 65.9 32.3 96.8





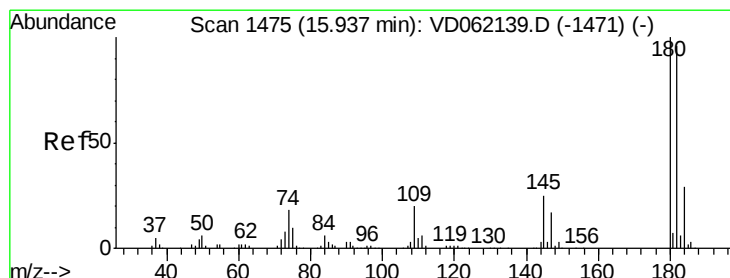
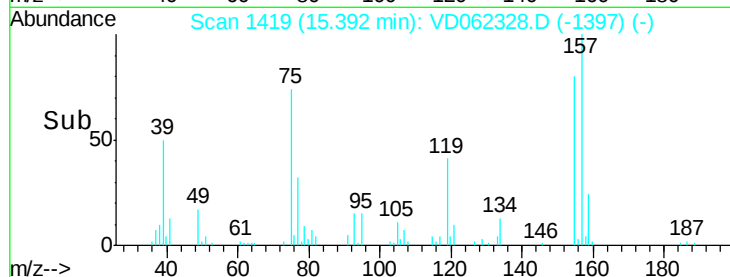
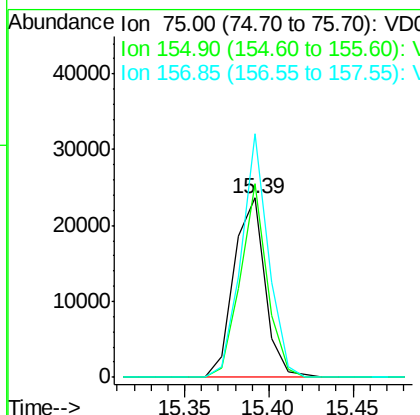
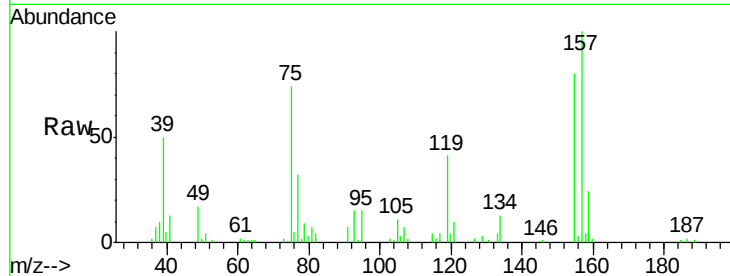
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.009 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion: 75 Resp: 30268
 Ion Ratio Lower Upper
 75 100
 155 108.4 55.3 165.8
 157 136.0 67.8 203.2

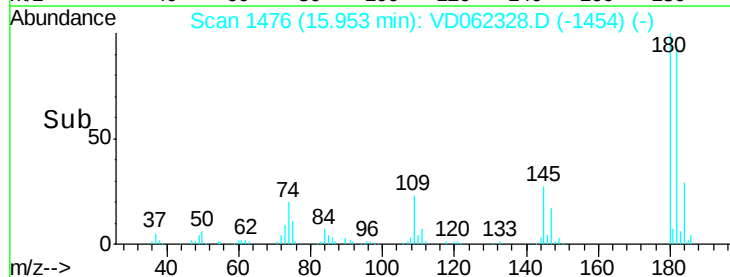
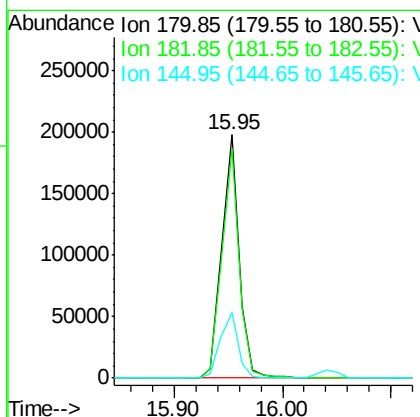
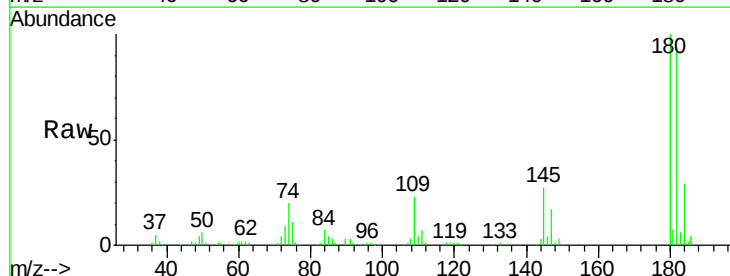
Manual Integrations
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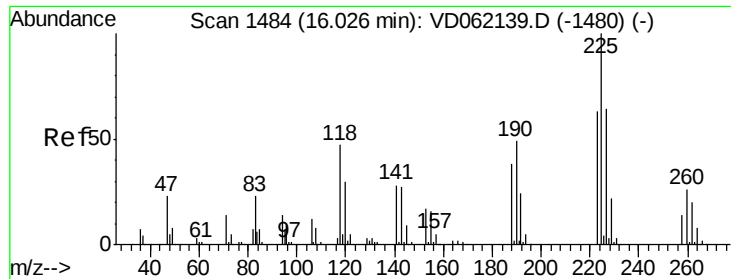
MMDadoda
 5/14/2019 9:50:54 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 44.431 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Tgt Ion:180 Resp: 221063
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.3 147.8
 145 27.1 16.2 48.6





#94

Hexachlorobutadiene

Concen: 34.409 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. 0.02 min

Lab File: VD062328.D

Acq: 14 May 2019 3:26

Instrument :

MSVOA_D

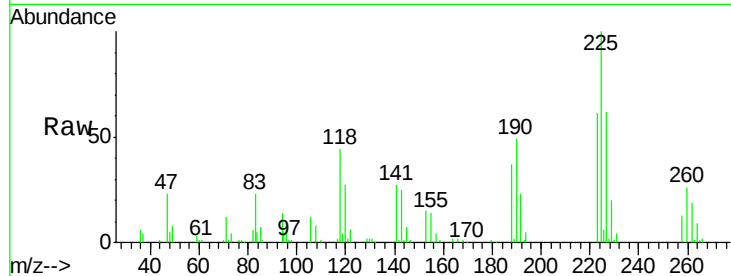
ClientSampleId :

P026-SS015-1824-01MSD

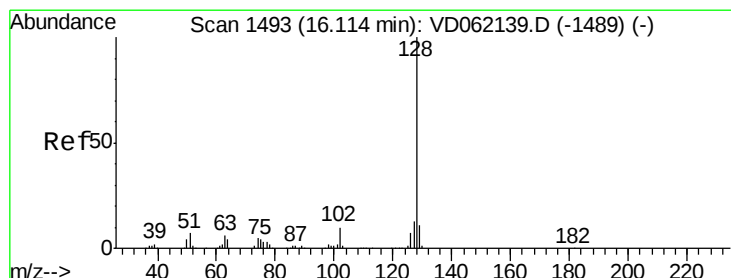
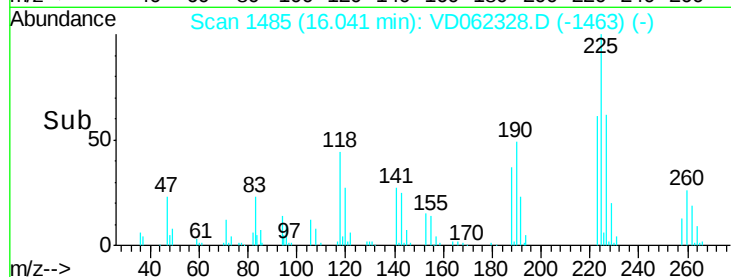
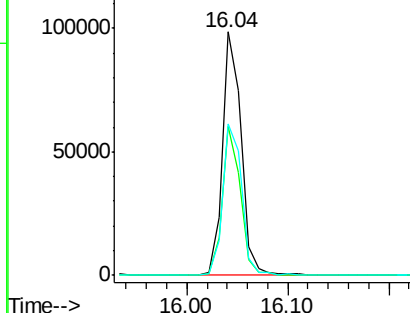
Tot Ion:	225	Resp:	127332
Ion Ratio		Lower	Upper
225	100		
223	61.1	30.6	92.0
227	62.0	32.0	96.2

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Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 44.476 ug/l

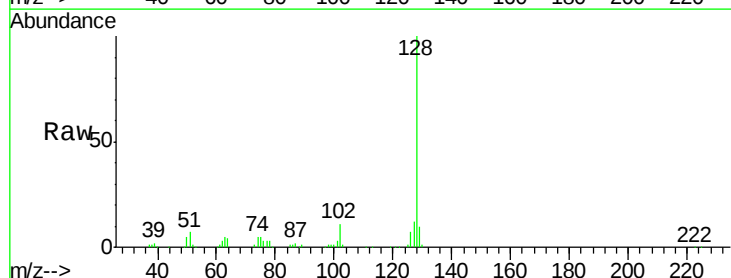
RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

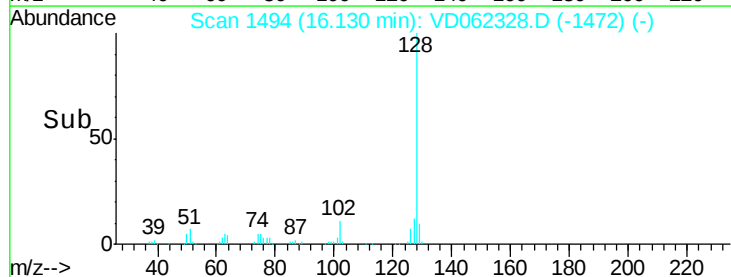
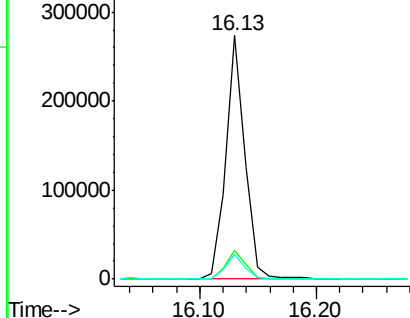
Lab File: VD062328.D

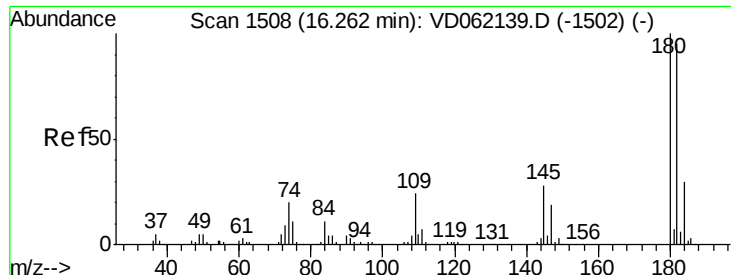
Acq: 14 May 2019 3:26

Tgt Ion:	128	Resp:	308944
Ion Ratio		Lower	Upper
128	100		
127	12.0	9.8	14.8
129	9.9	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





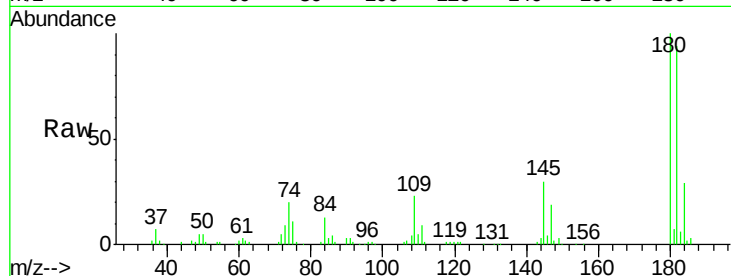
#96
 1,2,3-Trichlorobenzene
 Concen: 47.660 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.02 min
 Lab File: VD062328.D
 Acq: 14 May 2019 3:26

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.1	47.0	141.0
145	29.6	17.0	51.0

Manual Integrations
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Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

