

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064017.D
 Acq On : 23 Oct 2019 13:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:14 PM

Quant Time: Oct 24 06:32:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	201247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	304631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	299222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170178	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	84766	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	
35) Dibromofluoromethane	7.92	113	95452	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.34	98	379684	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.64	95	128540	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	68105	47.720	ug/l	100
3) Chloromethane	2.21	50	184459	47.641	ug/l	92
4) Vinyl Chloride	2.35	62	226928	49.196	ug/l	99
5) Bromomethane	2.77	94	140168	47.266	ug/l	98
6) Chloroethane	2.93	64	143848	47.155	ug/l	89
7) Trichlorofluoromethane	3.27	101	326336	53.509	ug/l	98
8) Diethyl Ether	3.71	74	43027	43.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89298	52.896	ug/l	96
10) Methyl Iodide	4.29	142	106620	45.835	ug/l	99
11) Tert butyl alcohol	5.24	59	30867	226.000	ug/l	98
12) 1,1-Dichloroethene	4.06	96	81790	48.493	ug/l	95
13) Acrolein	3.93	56	39914	228.090	ug/l	93
14) Allyl chloride	4.71	41	126689	45.180	ug/l	97
15) Acrylonitrile	5.43	53	98983	229.353	ug/l	98
16) Acetone	4.16	43	110028	215.695	ug/l	91
17) Carbon Disulfide	4.40	76	252620	41.204	ug/l	98
18) Methyl Acetate	4.72	43	44591	44.693	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	197252	45.164	ug/l	93
20) Methylene Chloride	4.96	84	104427	45.889	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	101594	48.387	ug/l	97
22) Diisopropyl ether	6.37	45	264180	46.130	ug/l	94
23) Vinyl Acetate	6.31	43	762015	223.672	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168623	47.802	ug/l	96
25) 2-Butanone	7.23	43	133570	220.946	ug/l	91
26) 2,2-Dichloropropane	7.21	77	155748	48.809	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	116360	48.962	ug/l	97
28) Bromochloromethane	7.55	49	66097	49.312	ug/l	96
29) Tetrahydrofuran	7.57	42	75631	214.339	ug/l	99
30) Chloroform	7.71	83	185993	48.545	ug/l	93
31) Cyclohexane	7.98	56	152422	52.459	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	163412	49.722	ug/l	98
36) 1,1-Dichloropropene	8.11	75	146470	52.586	ug/l	95
37) Ethyl Acetate	7.30	43	49537	43.864	ug/l #	93
38) Carbon Tetrachloride	8.10	117	153248	54.446	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184793	53.959	ug/l	93
40) Benzene	8.35	78	408607	51.192	ug/l	99
41) Methacrylonitrile	7.53	41	32324	50.055	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	110295	47.770	ug/l	98
43) Isopropyl Acetate	8.46	43	102860	44.035	ug/l	98
44) Trichloroethene	9.11	130	120628	52.409	ug/l	88
45) 1,2-Dichloropropane	9.39	63	97846	50.083	ug/l	93
46) Dibromomethane	9.48	93	54869	49.314	ug/l	98
47) Bromodichloromethane	9.67	83	143497	50.092	ug/l	94
48) Methyl methacrylate	9.46	41	51565	46.074	ug/l	96
49) 1,4-Dioxane	9.47	88	14739	970.463	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	275212	227.179	ug/l	100
52) Toluene	10.40	92	293506	53.565	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	137152	49.064	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	162323	50.446	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	80407	51.182	ug/l	86
56) Ethyl methacrylate	10.66	69	94393	47.447	ug/l	94
57) 1,3-Dichloropropane	10.95	76	132713	49.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	204807	239.499	ug/l	97
59) 2-Hexanone	10.99	43	207534	236.826	ug/l	98
60) Dibromochloromethane	11.14	129	104711	51.196	ug/l	98
61) 1,2-Dibromoethane	11.25	107	79174	51.984	ug/l	97
64) Tetrachloroethene	10.88	164	106647	52.208	ug/l	92
65) Chlorobenzene	11.67	112	319770	53.213	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	118447	53.493	ug/l	96
67) Ethyl Benzene	11.75	91	577902	53.333	ug/l	98
68) m/p-Xylenes	11.85	106	463744	110.881	ug/l	96
69) o-Xylene	12.18	106	212063	52.952	ug/l	95
70) Styrene	12.20	104	367032	54.138	ug/l	98
71) Bromoform	12.36	173	63919	53.789	ug/l #	98
73) Isopropylbenzene	12.48	105	584995	51.135	ug/l	97
74) N-amyl acetate	12.29	43	106390	43.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	91800	46.113	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	62624m	54.943	ug/l	
77) Bromobenzene	12.77	156	141598	49.679	ug/l	94
78) n-propylbenzene	12.83	91	697476	51.940	ug/l	99
79) 2-Chlorotoluene	12.91	91	371908	50.228	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	503398	52.743	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28353	44.019	ug/l	96
82) 4-Chlorotoluene	13.01	91	384641	48.970	ug/l	97
83) tert-Butylbenzene	13.23	119	437825	51.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	491354	49.937	ug/l	97
85) sec-Butylbenzene	13.40	105	616234	53.720	ug/l	100
86) p-Isopropyltoluene	13.52	119	579852	53.419	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	290675	51.613	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	284202	51.152	ug/l	98
89) n-Butylbenzene	13.85	91	532763	52.728	ug/l	99
90) Hexachloroethane	14.12	117	104991	53.778	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	247150	50.923	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14708	47.425	ug/l	84

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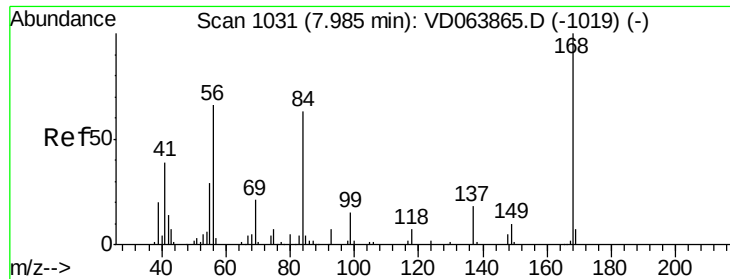
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186072	49.687	ug/l	99
94) Hexachlorobutadiene	15.27	225	113645	54.992	ug/l	96
95) Naphthalene	15.41	128	311233	49.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161322	49.929	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 201247

Ion Ratio Lower Upper

168 100

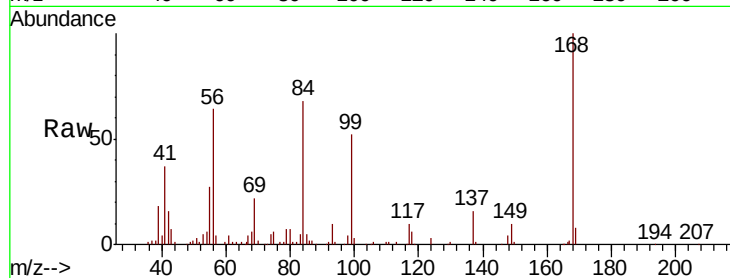
99 51.8 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

40000

20000

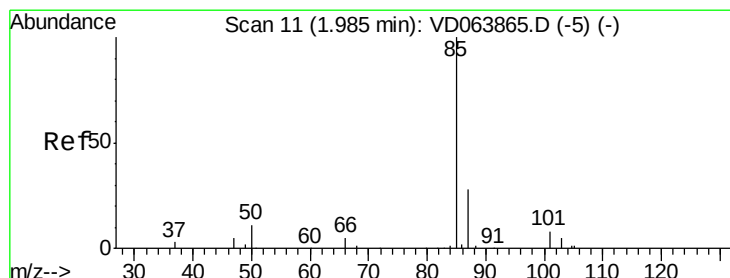
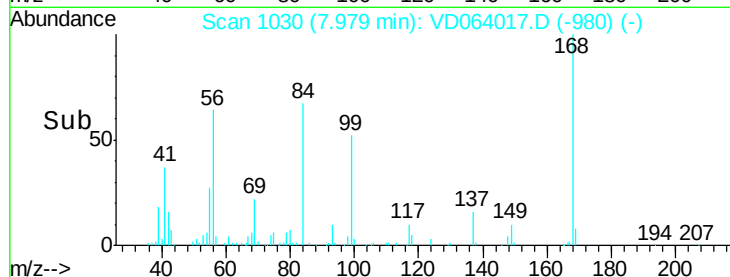
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.720 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064017.D

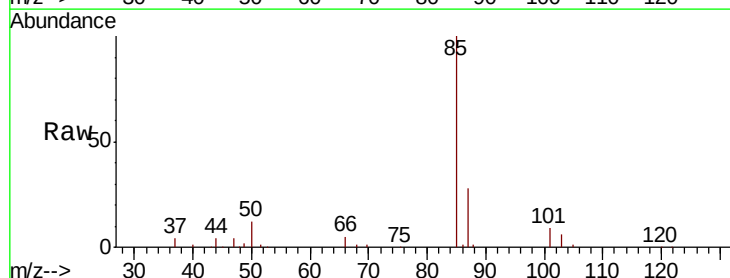
Acq: 23 Oct 2019 13:20

Tgt Ion: 85 Resp: 68105

Ion Ratio Lower Upper

85 100

87 27.7 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

20000

10000

0

1.90

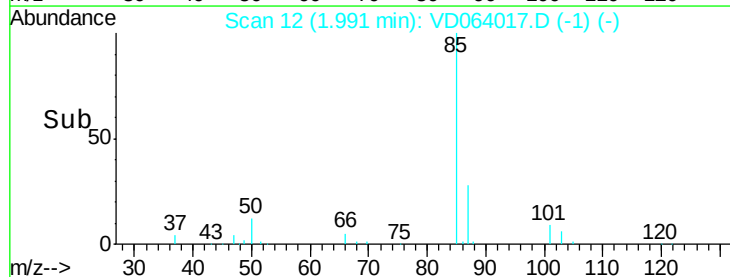
1.95

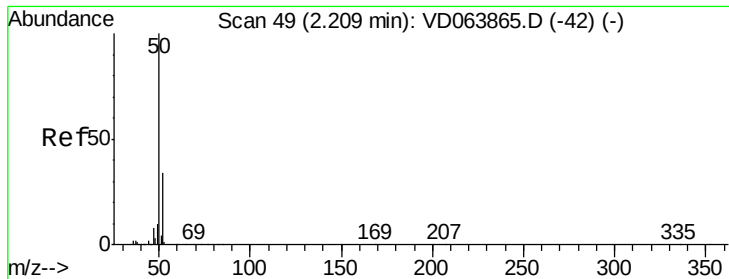
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.641 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 184459

Ion Ratio Lower Upper

50 100

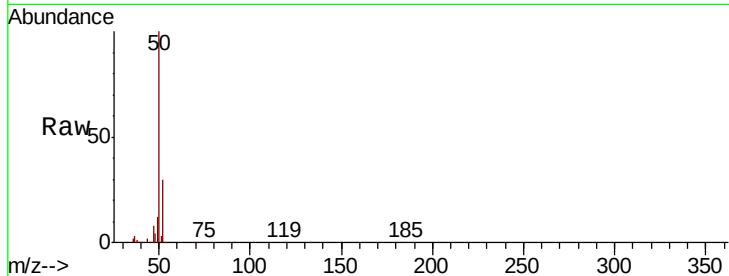
52 29.5 27.5 41.3

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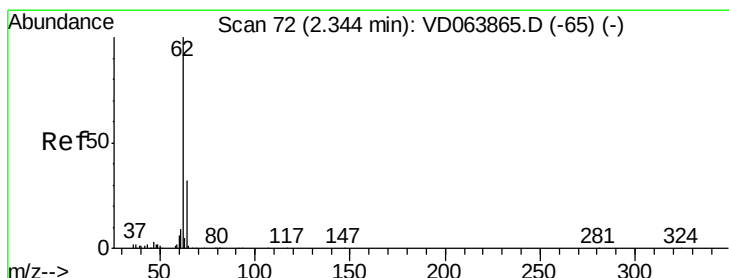
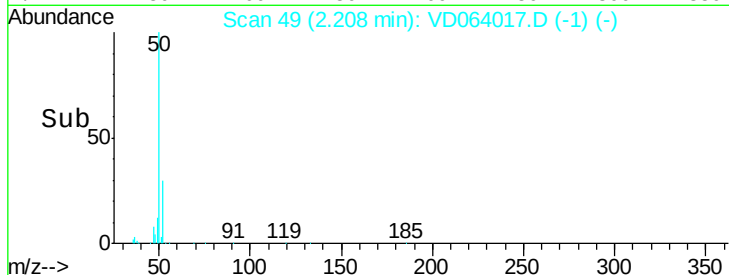
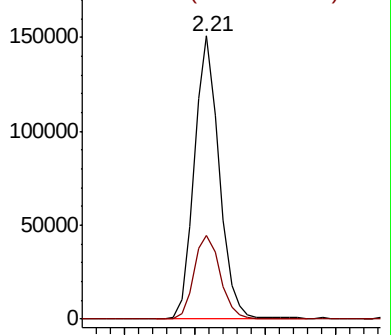
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.196 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064017.D

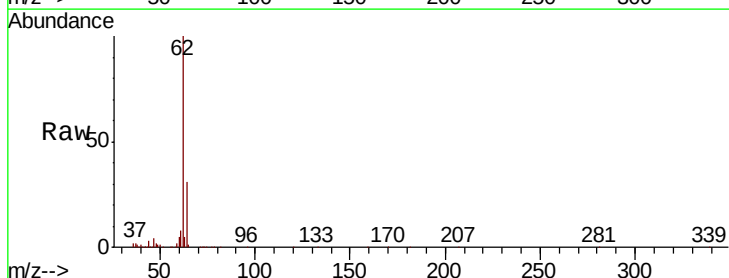
Acq: 23 Oct 2019 13:20

Tgt Ion: 62 Resp: 226928

Ion Ratio Lower Upper

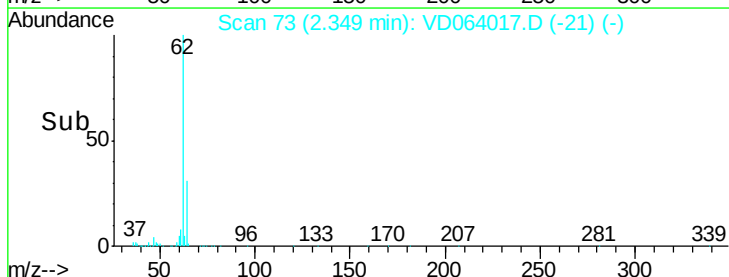
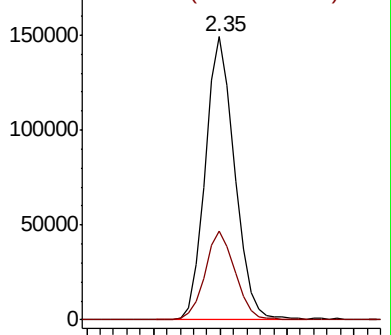
62 100

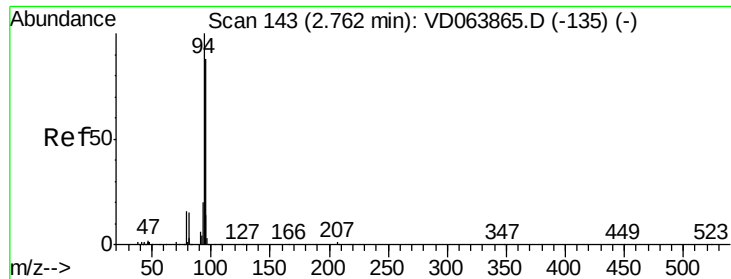
64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.266 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 140168

Ion Ratio Lower Upper

94 100

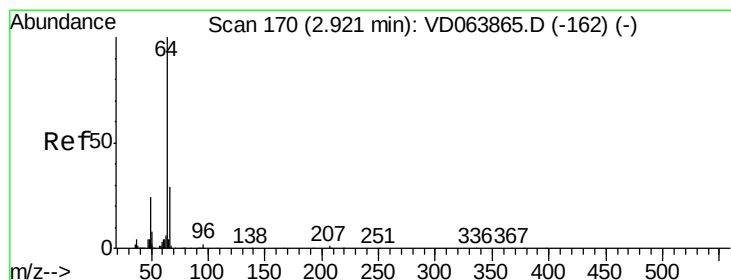
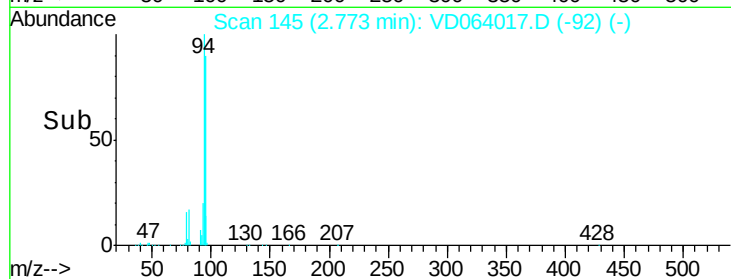
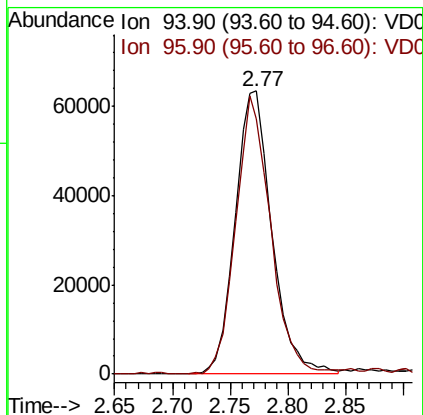
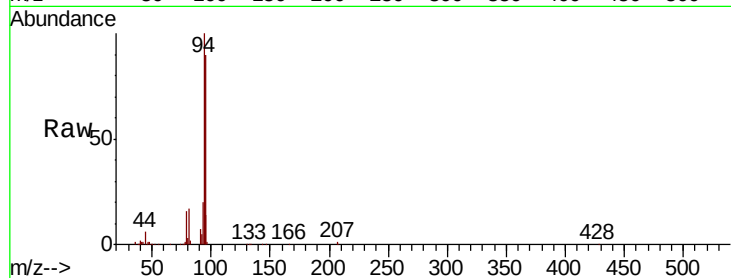
96 90.3 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 47.155 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064017.D

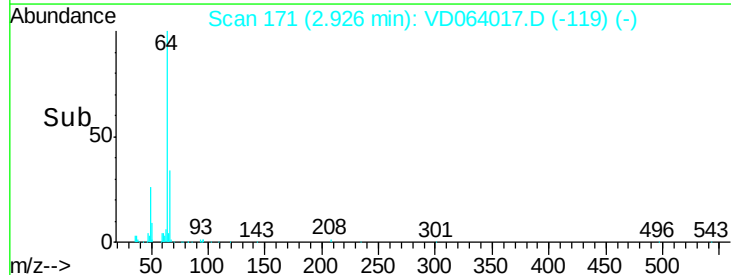
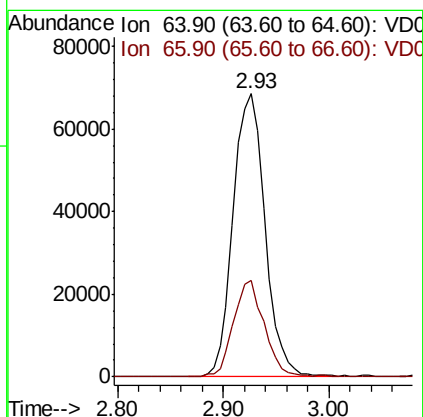
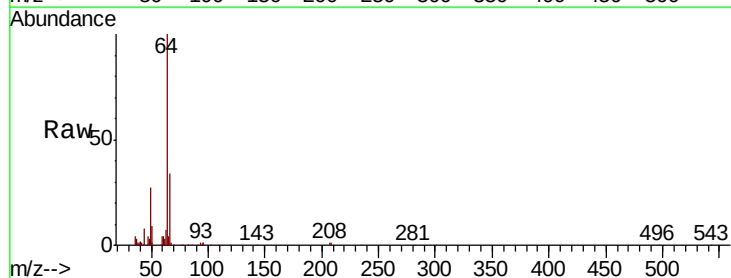
Acq: 23 Oct 2019 13:20

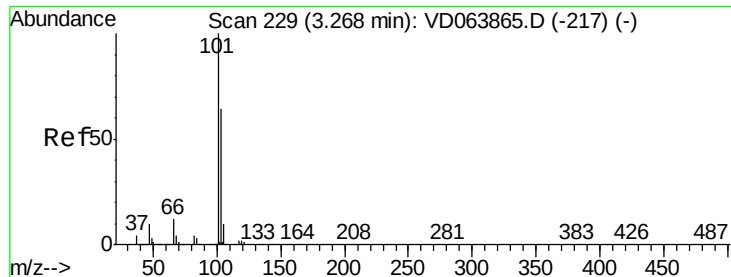
Tgt Ion: 64 Resp: 143848

Ion Ratio Lower Upper

64 100

66 34.3 23.0 34.4





#7

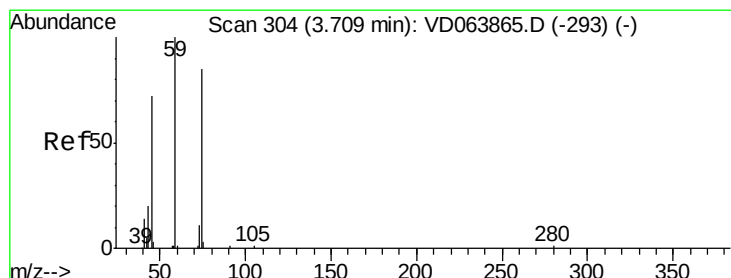
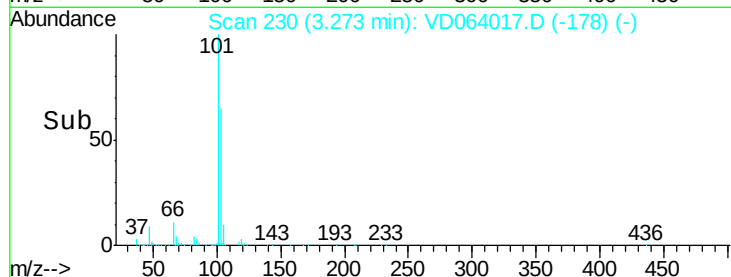
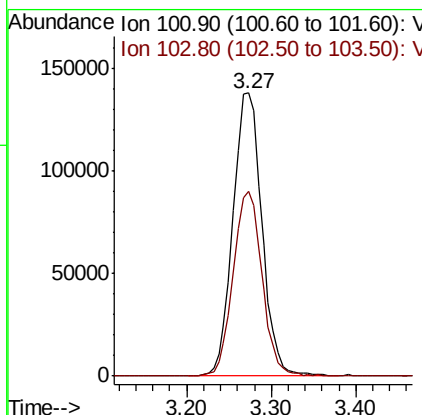
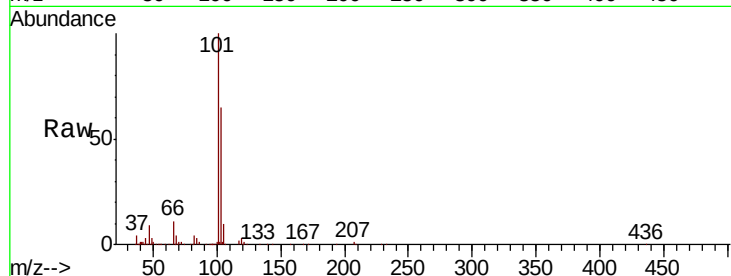
Trichlorofluoromethane
 Concen: 53.509 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.1	76.7

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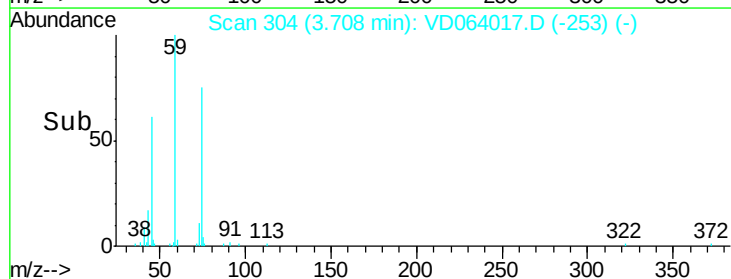
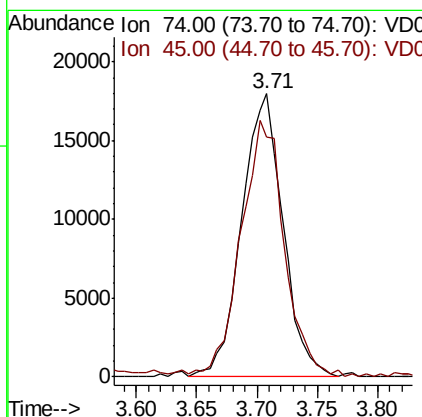
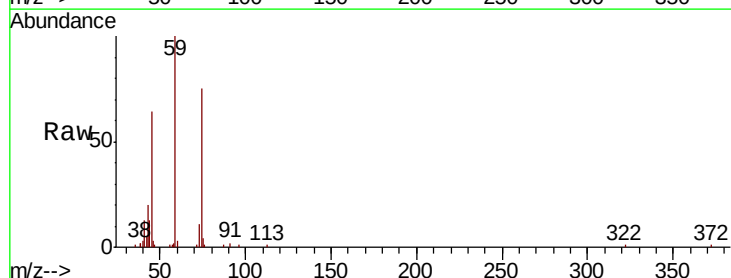
MMDadoda
 10/24/2019 4:53:14 PM

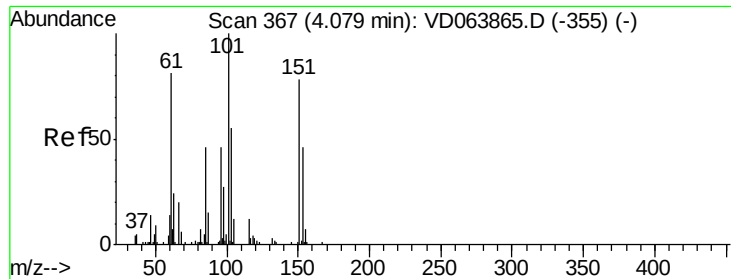


#8

Diethyl Ether
 Concen: 43.955 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.896 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

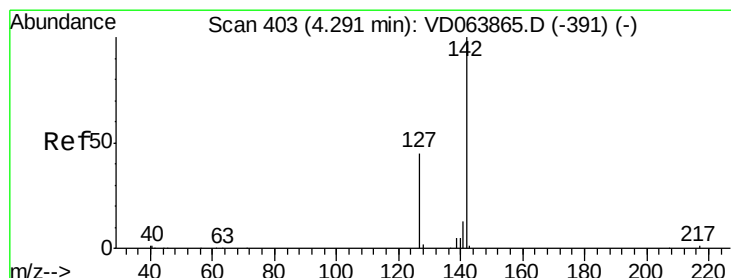
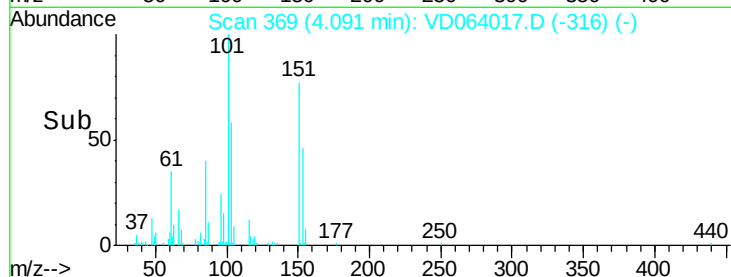
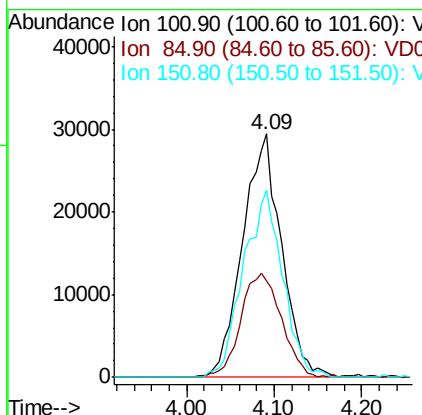
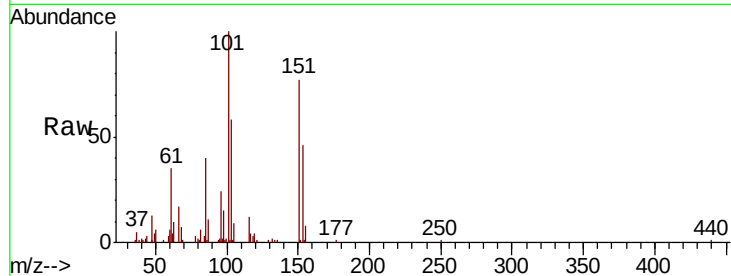
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89298
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.5	56.3
151	77.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 45.835 ug/l

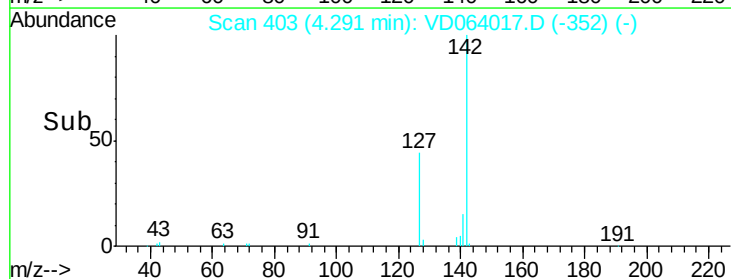
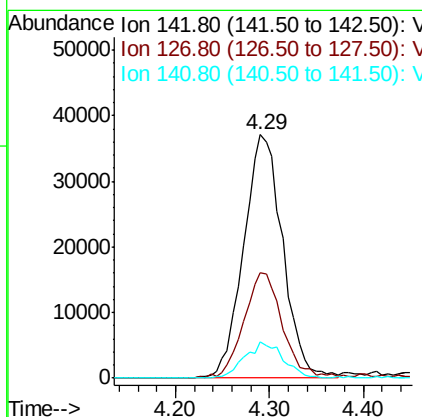
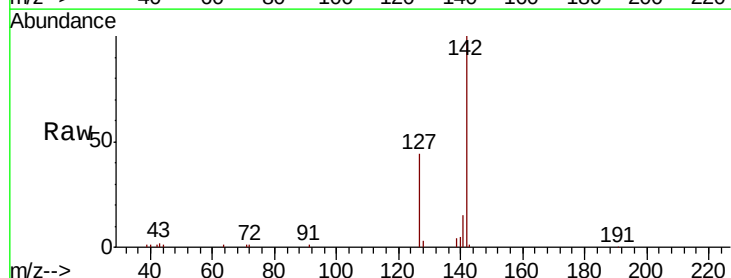
RT: 4.29 min Scan# 403

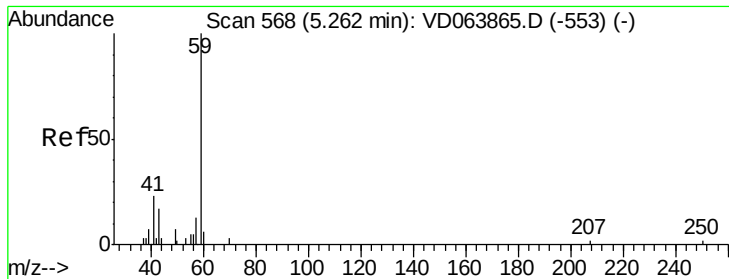
Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	142	Resp:	106620
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.3	52.9
141	14.7	12.2	18.2





#11

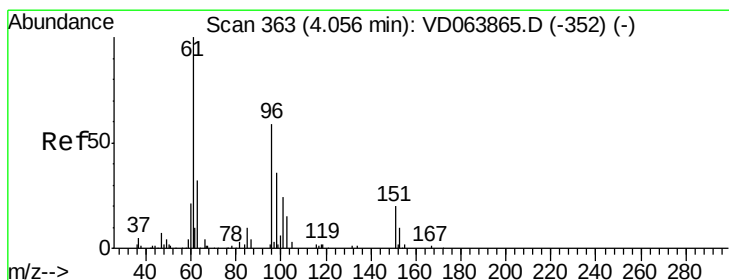
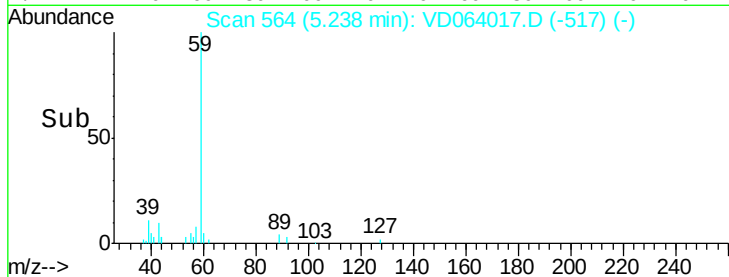
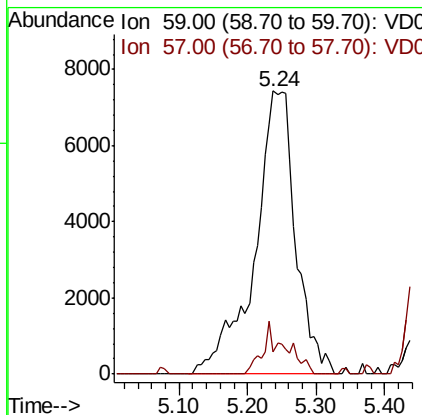
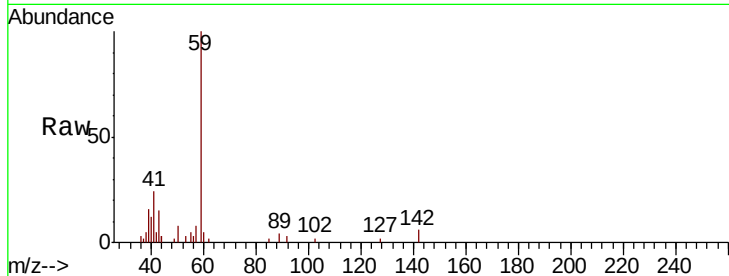
Tert butyl alcohol
Concen: 226.000 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.8	13.2

Manual Integrations
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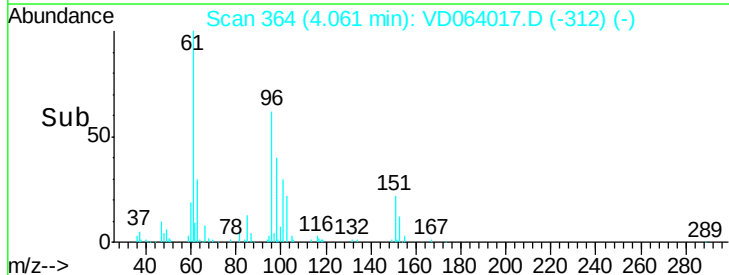
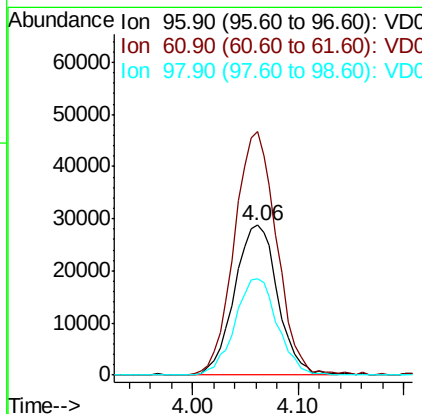
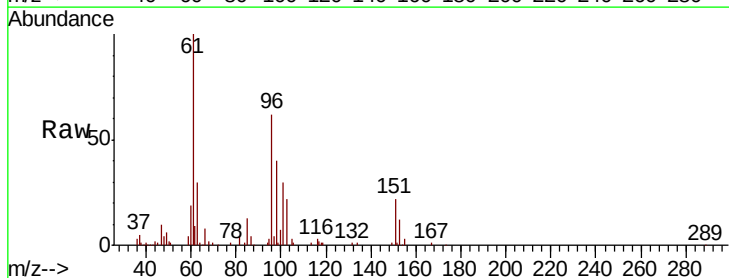
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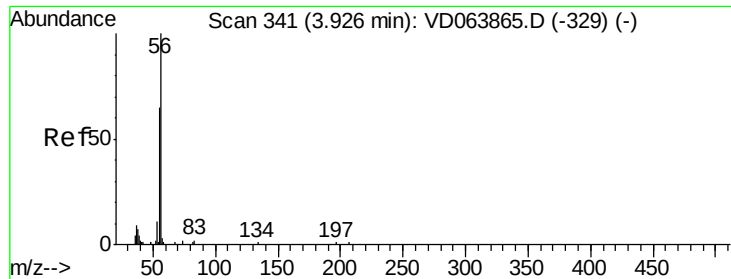


#12

1,1-Dichloroethene
Concen: 48.493 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	135.6	203.4
98	64.8	49.2	73.8





#13

Acrolein

Concen: 228.090 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39914

Ion Ratio Lower Upper

56 100

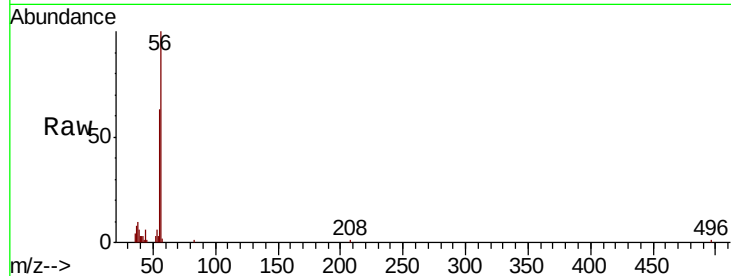
55 71.7 53.0 79.6

Manual Integrations

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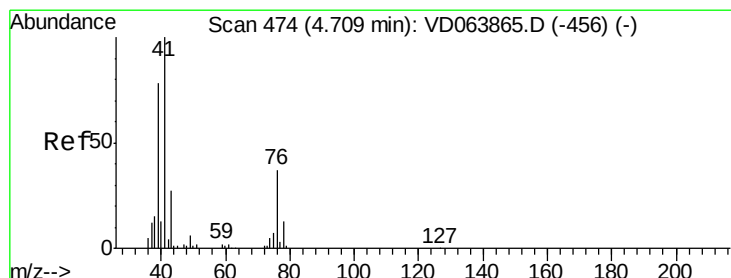
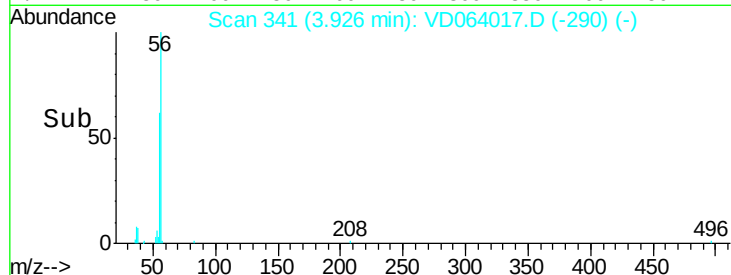
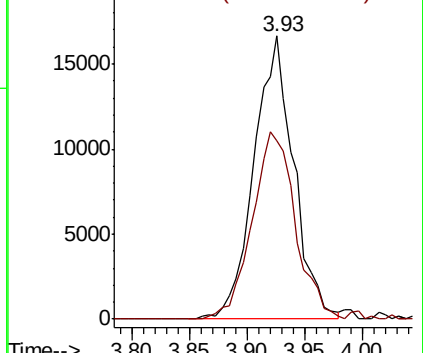
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.180 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

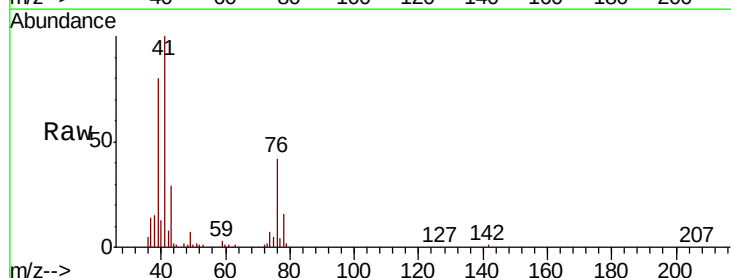
Tgt Ion: 41 Resp: 126689

Ion Ratio Lower Upper

41 100

39 79.8 61.8 92.6

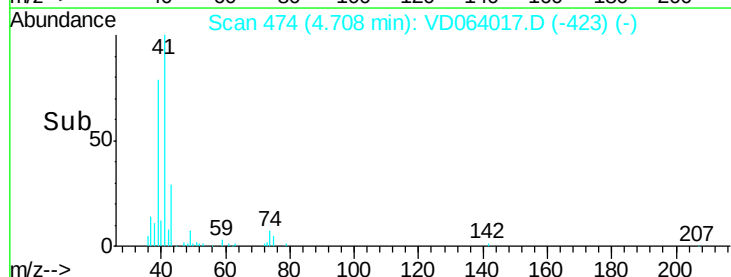
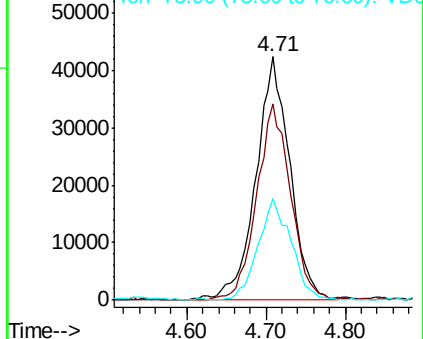
76 40.5 31.3 46.9

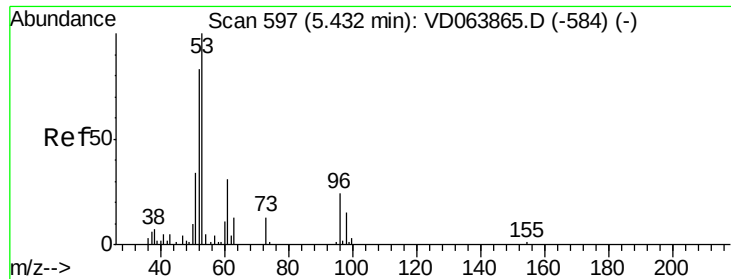


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 229.353 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

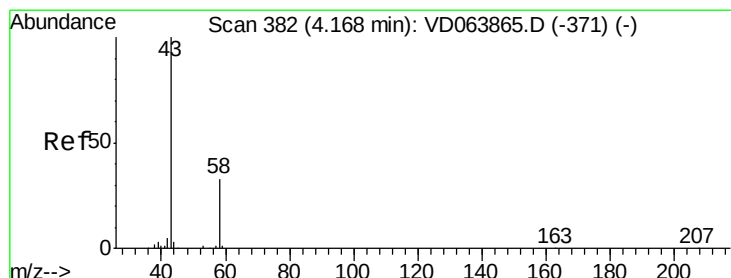
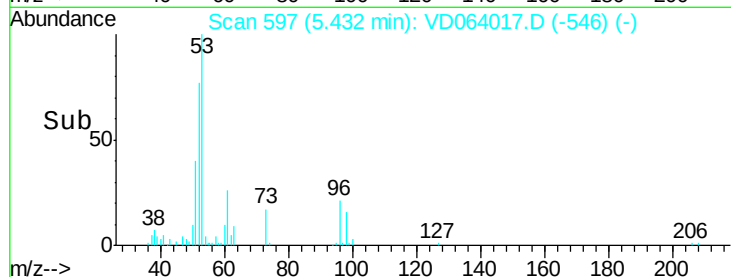
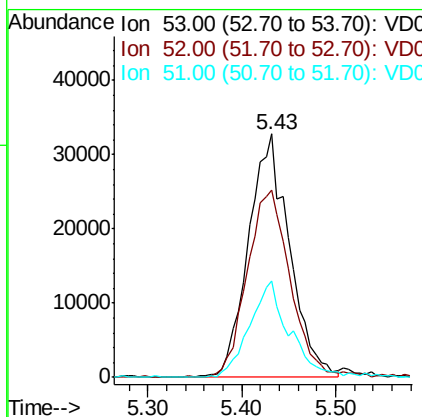
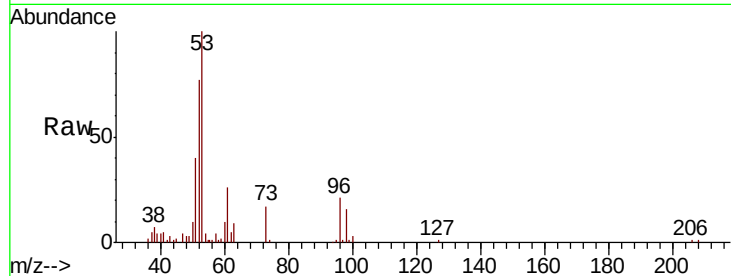
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	98983
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.3	100.9
51	38.6	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 215.695 ug/l

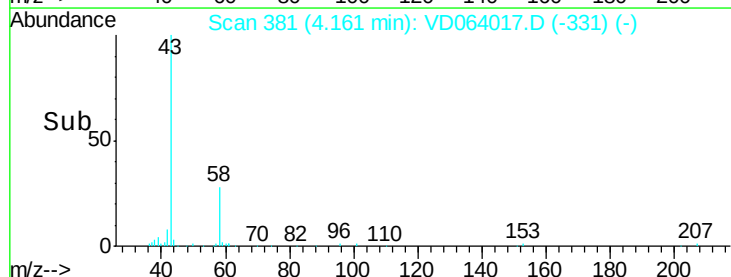
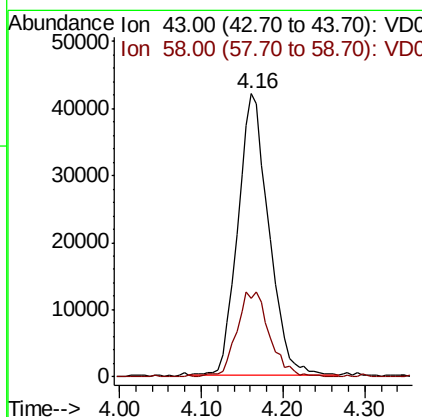
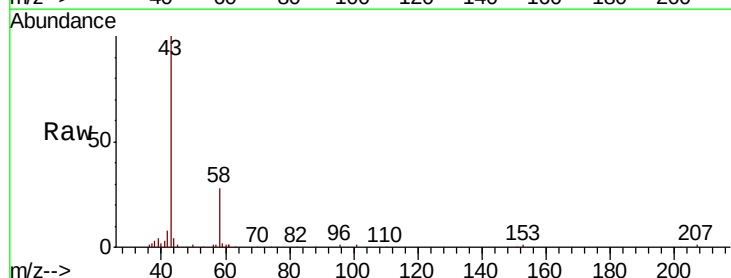
RT: 4.16 min Scan# 381

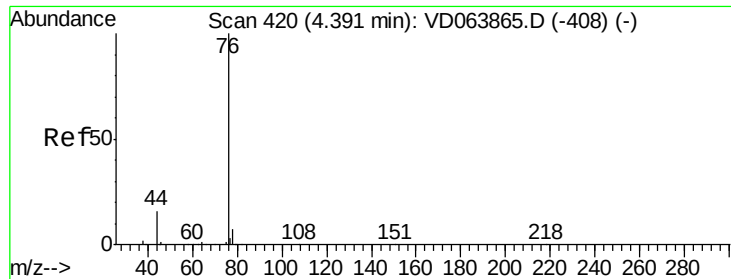
Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	43	Resp:	110028
Ion	Ratio	Lower	Upper
43	100		
58	28.0	26.2	39.4





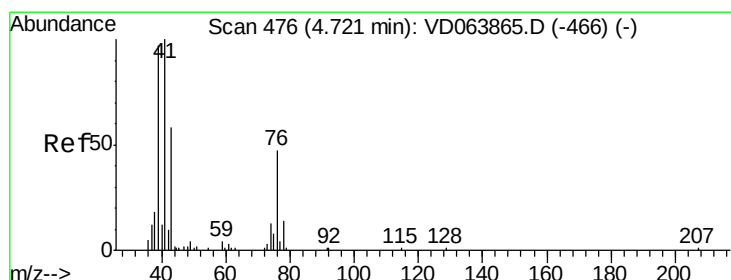
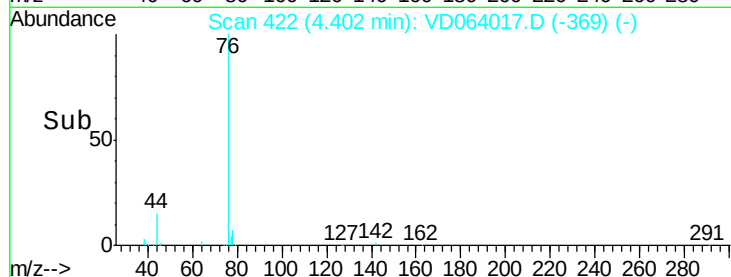
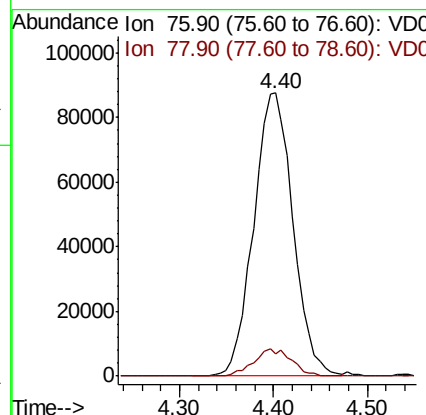
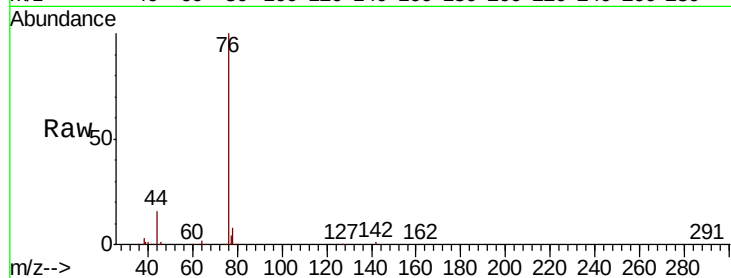
#17
Carbon Disulfide
Concen: 41.204 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	5.8	8.8

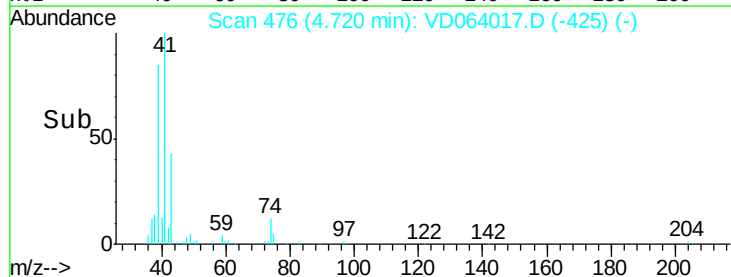
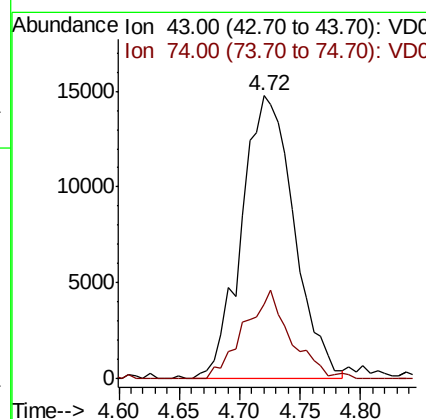
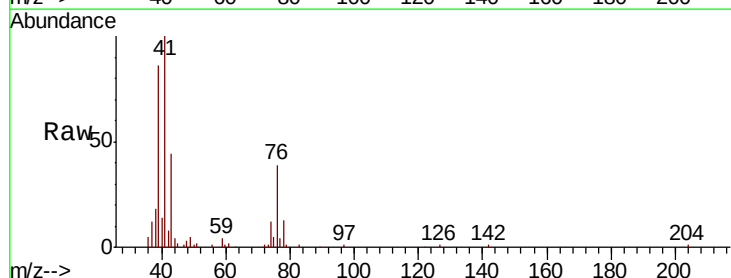
Manual Integrations
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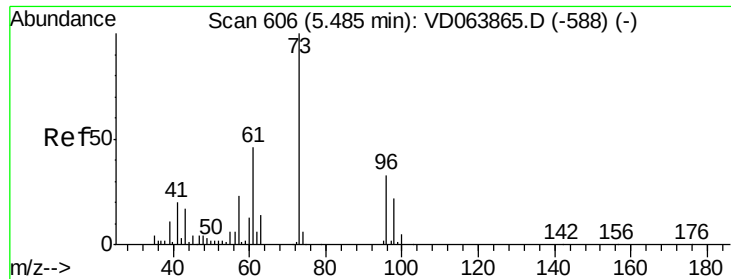
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#18
Methyl Acetate
Concen: 44.693 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	20.8	31.2





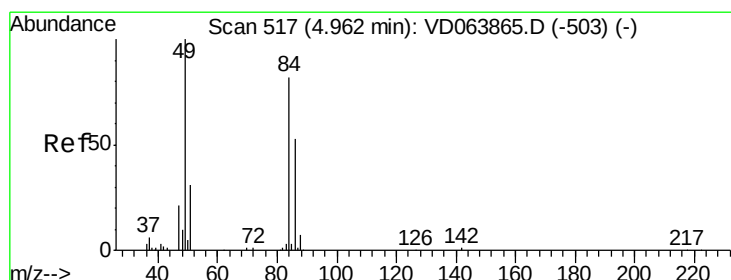
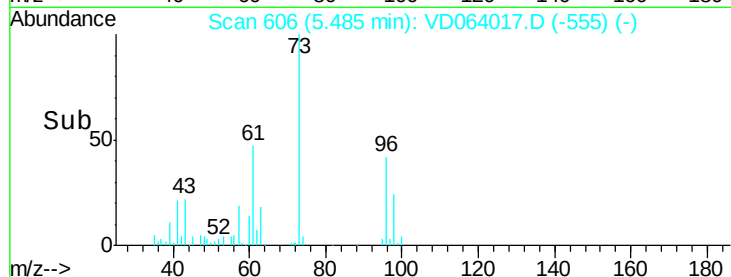
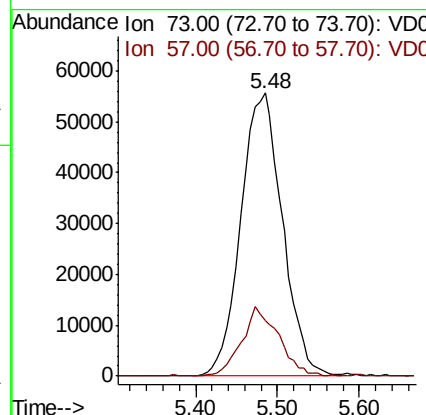
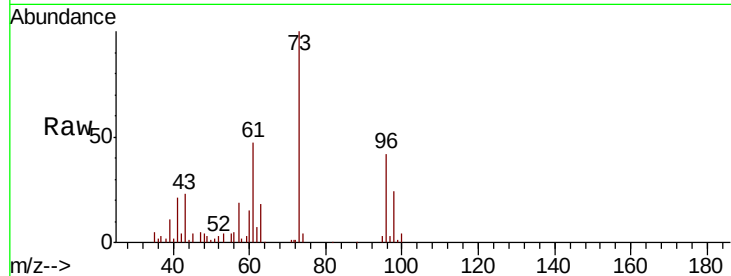
#19
Methyl tert-butyl Ether
Concen: 45.164 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 197252
Ion Ratio Lower Upper
73 100
57 19.5 18.1 27.1

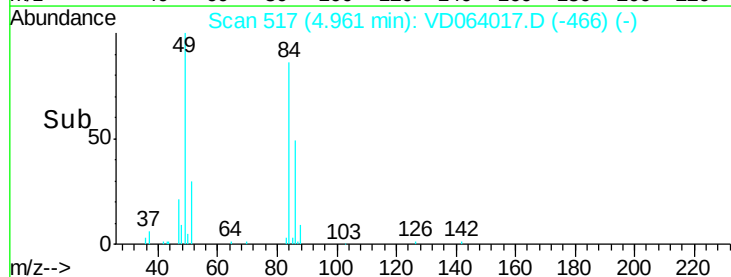
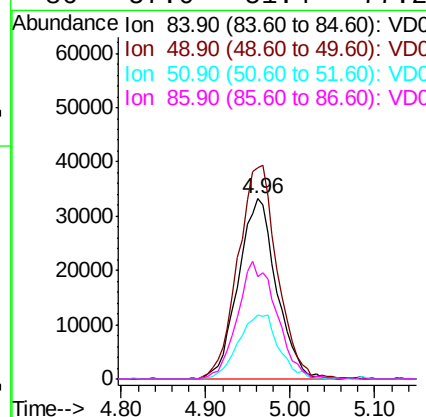
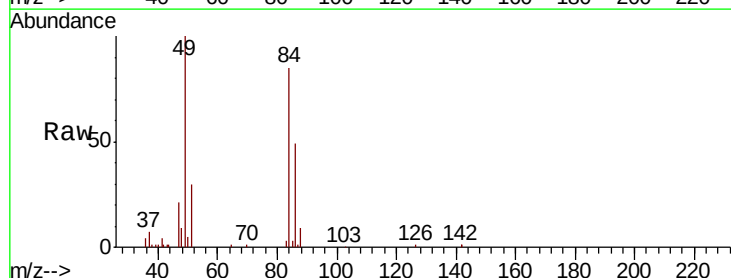
Manual Integrations
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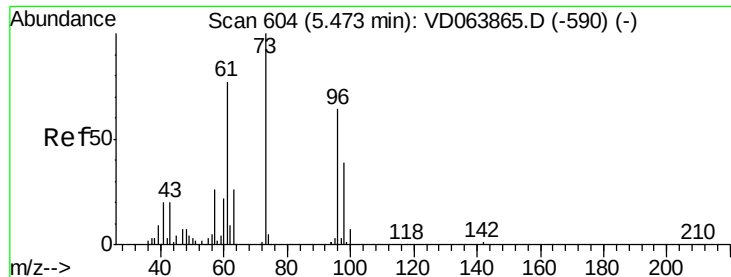
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#20
Methylene Chloride
Concen: 45.889 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 84 Resp: 104427
Ion Ratio Lower Upper
84 100
49 116.7 97.3 145.9
51 35.3 30.1 45.1
86 57.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.387 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

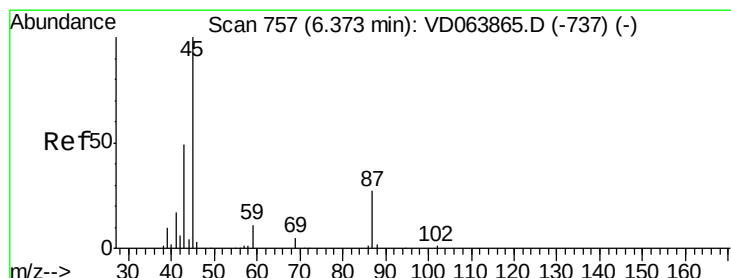
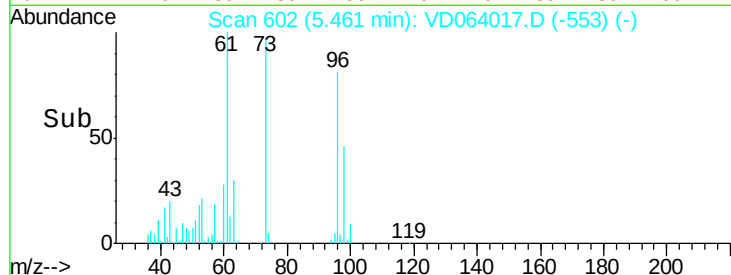
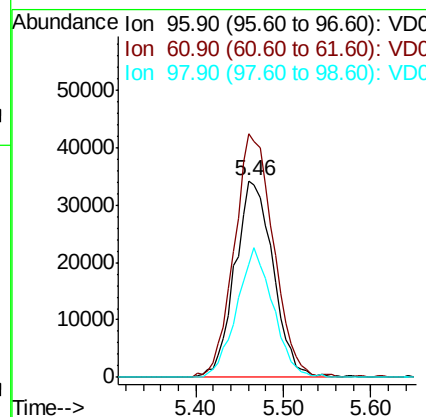
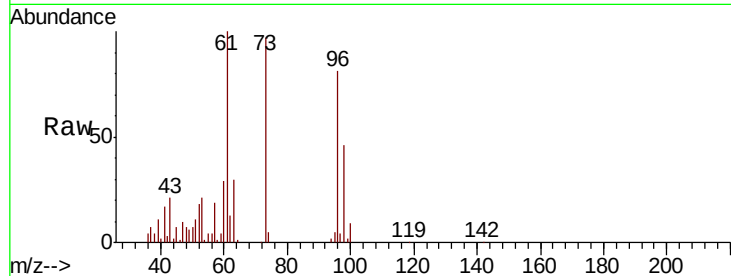
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	101594
Ion	Ratio	Lower	Upper
96	100		
61	123.9	96.6	145.0
98	57.4	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.130 ug/l

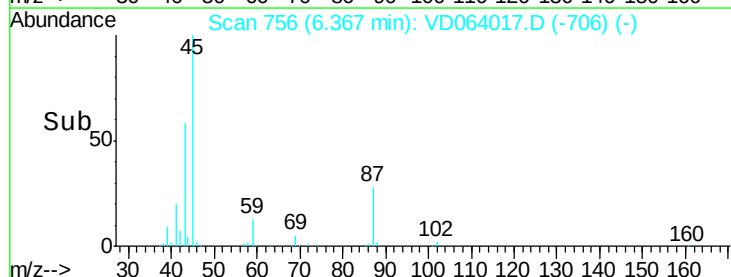
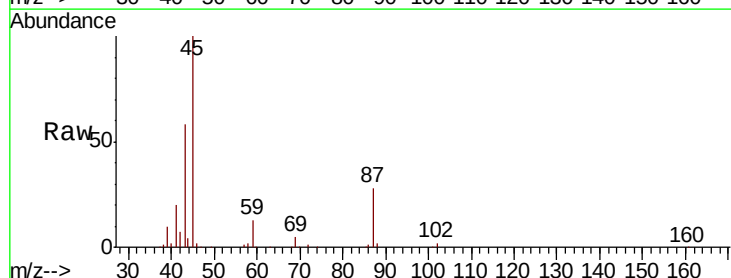
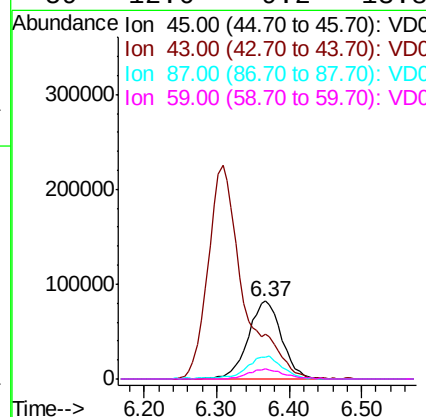
RT: 6.37 min Scan# 756

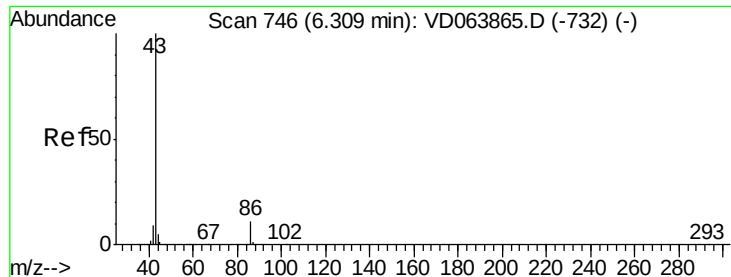
Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	45	Resp:	264180
Ion	Ratio	Lower	Upper
45	100		
43	57.4	41.2	61.8
87	28.5	22.2	33.4
59	12.6	9.2	13.8





#23

Vinyl Acetate

Concen: 223.672 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 762015

Ion Ratio Lower Upper

43 100

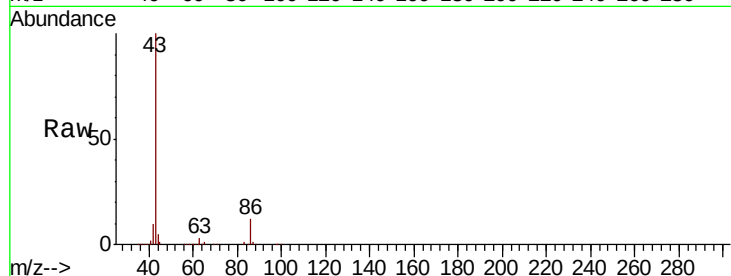
86 11.9 8.8 13.2

Manual Integrations

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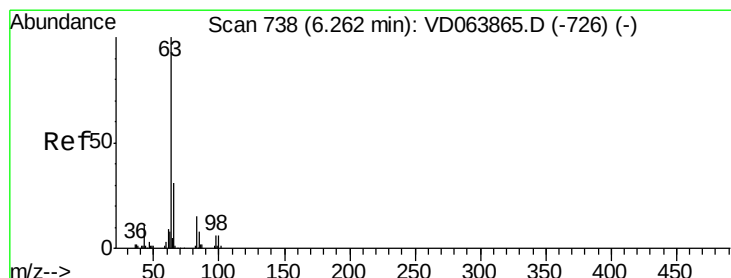
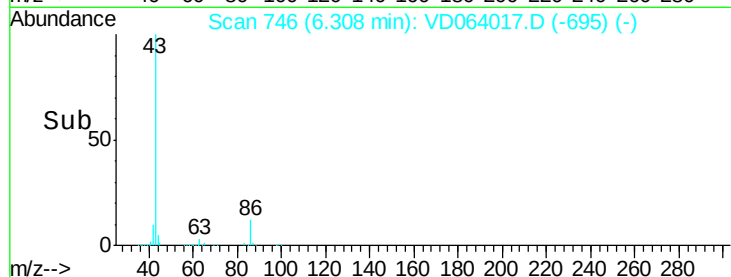
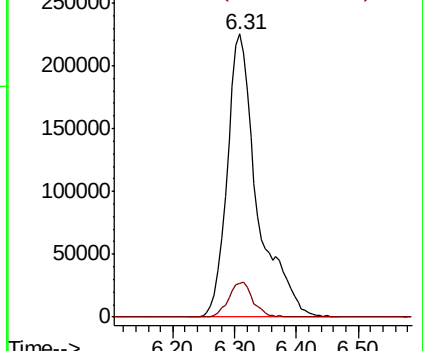
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.802 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

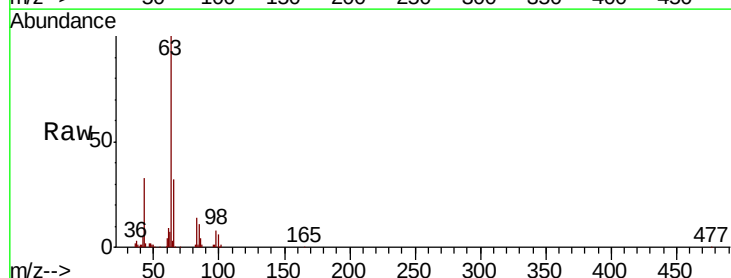
Tgt Ion: 63 Resp: 168623

Ion Ratio Lower Upper

63 100

98 8.5 3.1 9.4

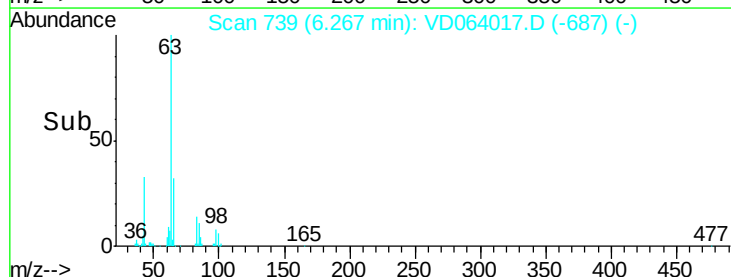
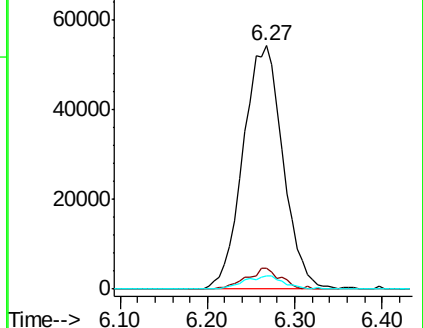
100 5.5 3.0 9.2

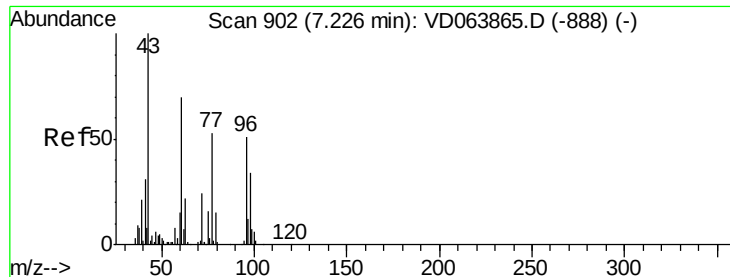


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 220.946 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 133570

Ion Ratio Lower Upper

43 100

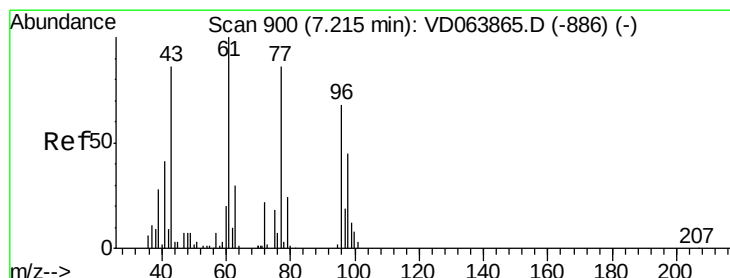
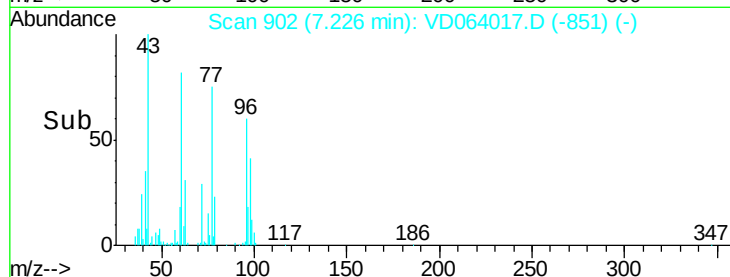
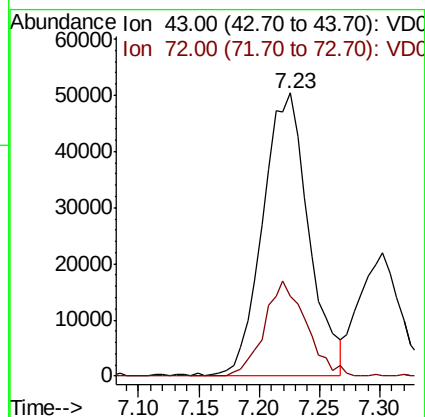
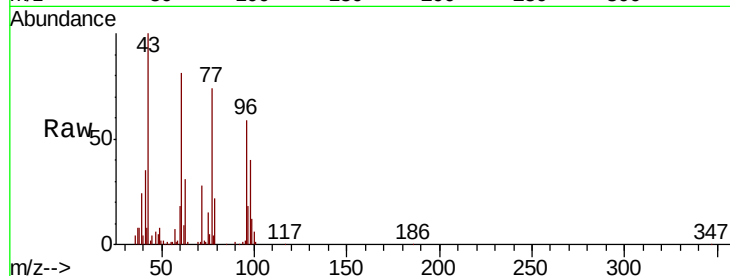
72 28.4 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.809 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064017.D

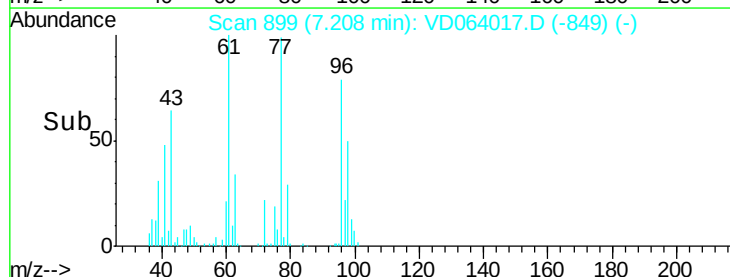
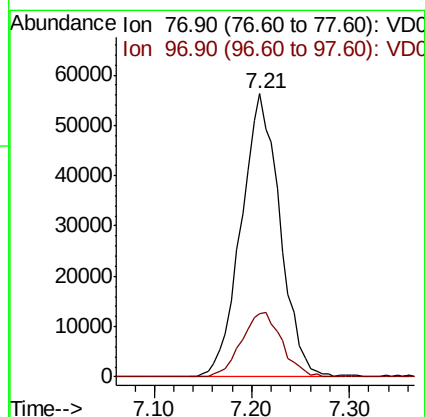
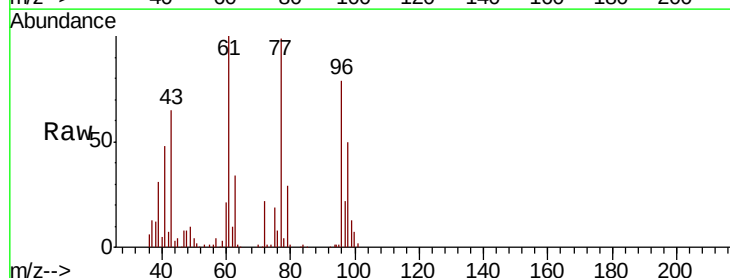
Acq: 23 Oct 2019 13:20

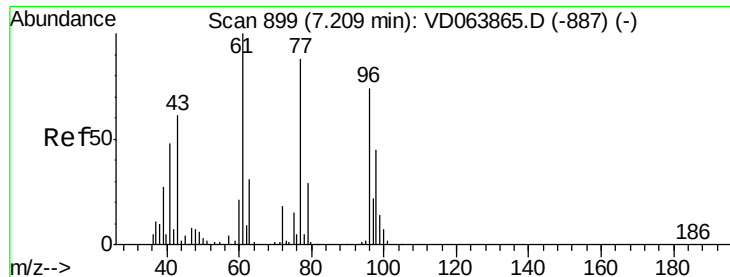
Tgt Ion: 77 Resp: 155748

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.1





#27

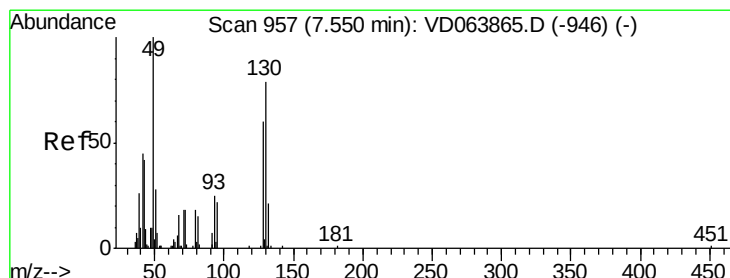
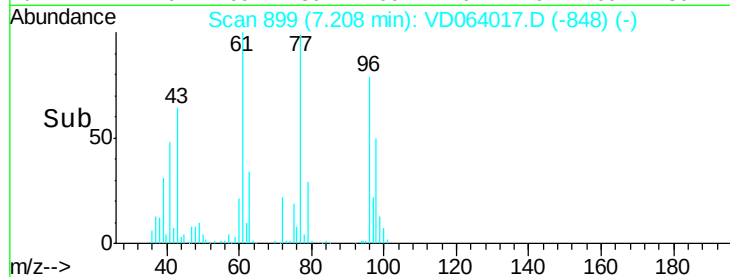
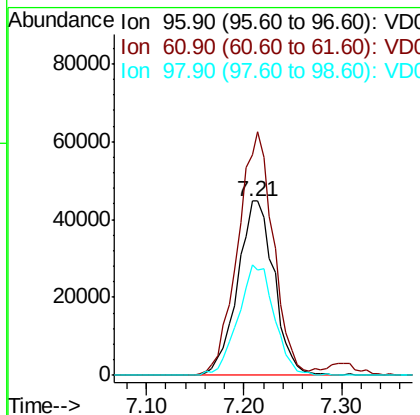
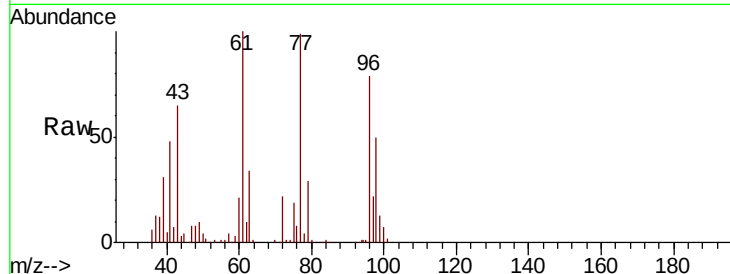
cis-1,2-Dichloroethene
Concen: 48.962 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116360		
61	136.4	0.0	280.0	
98	63.0	0.0	130.4	

Manual Integrations
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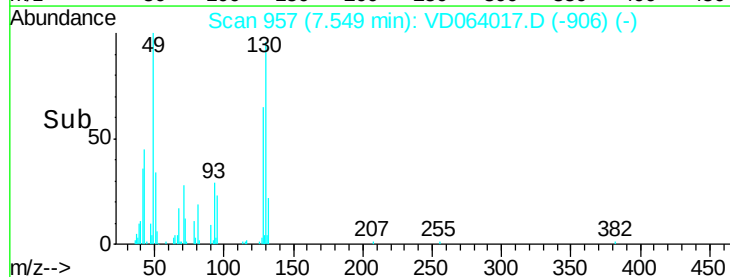
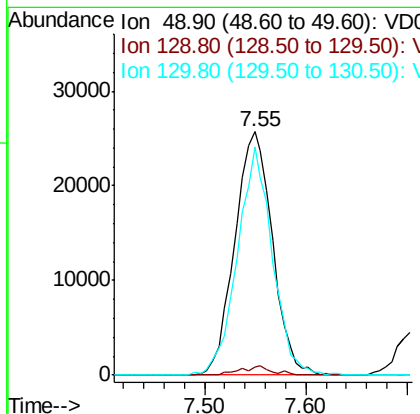
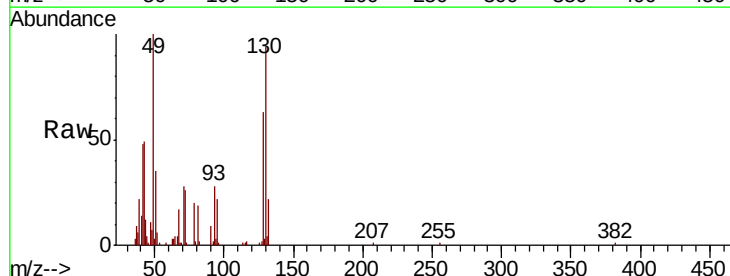
MMDadoda
10/24/2019 4:53:14 PM

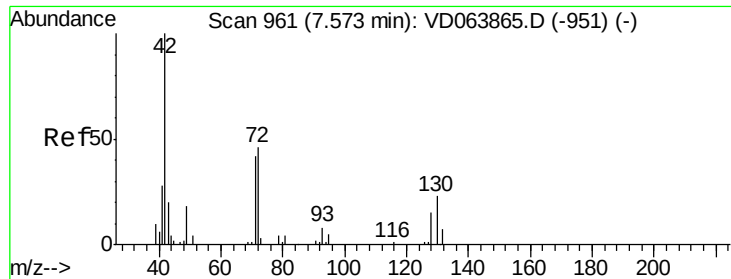


#28

Bromochloromethane
Concen: 49.312 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66097		
129	2.7	0.0	5.6	
130	87.0	66.8	100.2	





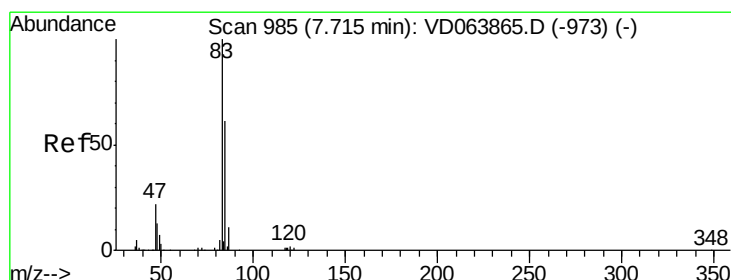
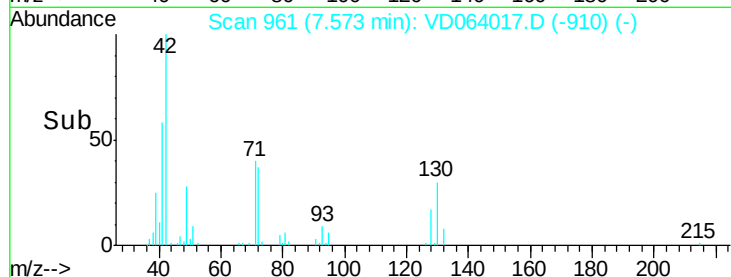
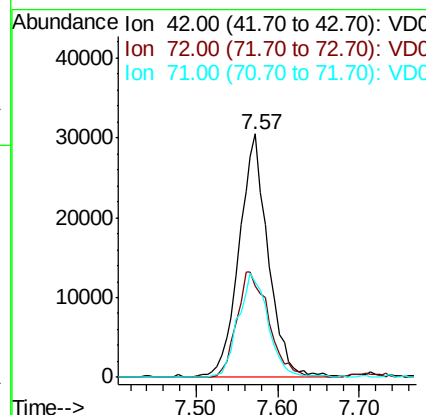
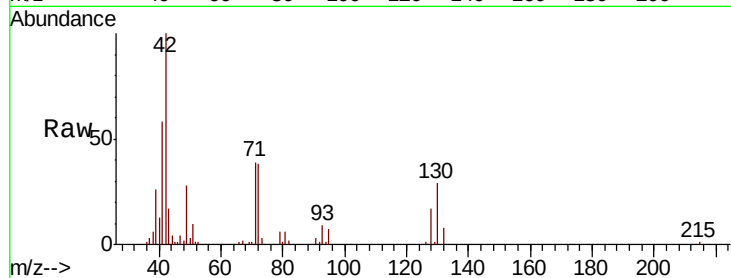
#29
Tetrahydrofuran
Concen: 214.339 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.6	56.4
71	43.5	35.0	52.6

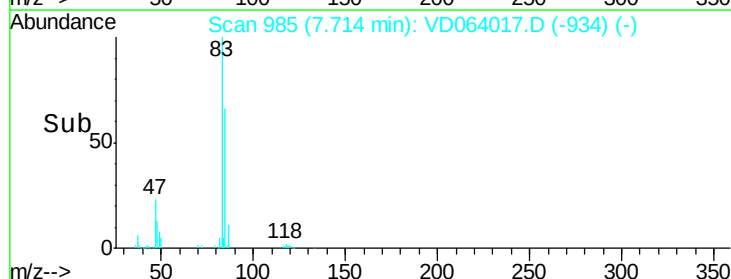
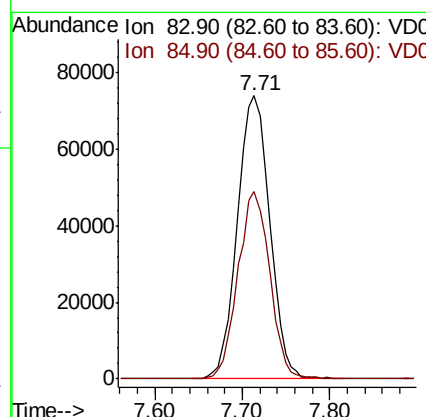
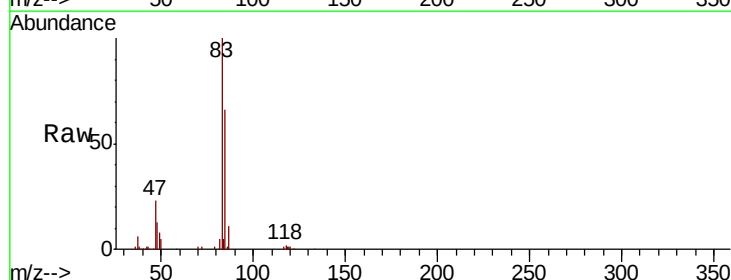
Manual Integrations
APPROVED

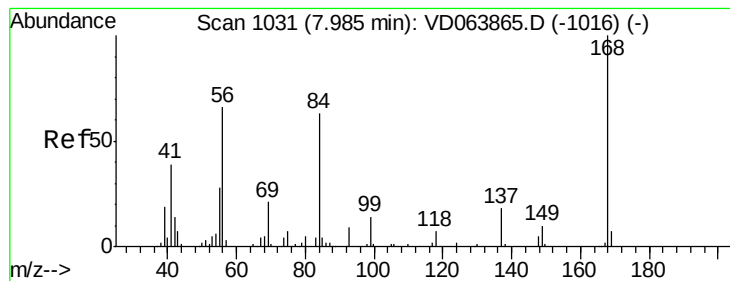
MMDadoda
10/24/2019 4:53:14 PM



#30
Chloroform
Concen: 48.545 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	48.9	73.3





#31

Cyclohexane

Concen: 52.459 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 152422

Ion Ratio Lower Upper

56 100

69 37.3 25.0 37.4

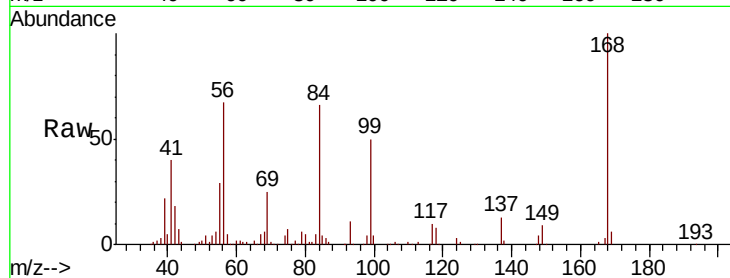
84 97.5 76.3 114.5

Manual Integrations

APPROVED

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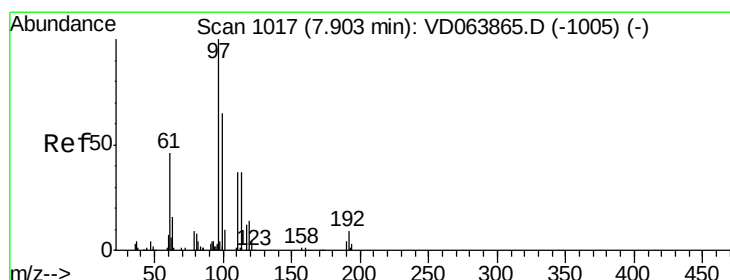
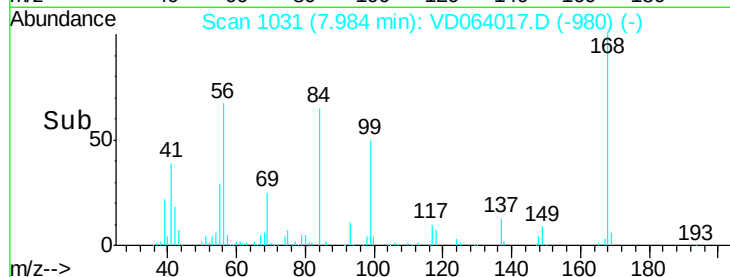
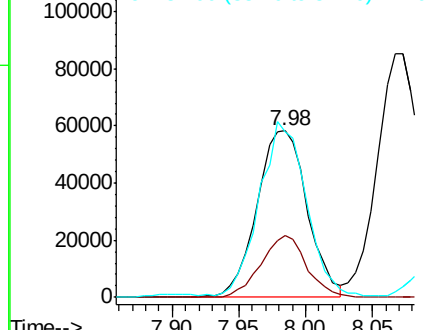
10/24/2019 4:53:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 49.722 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

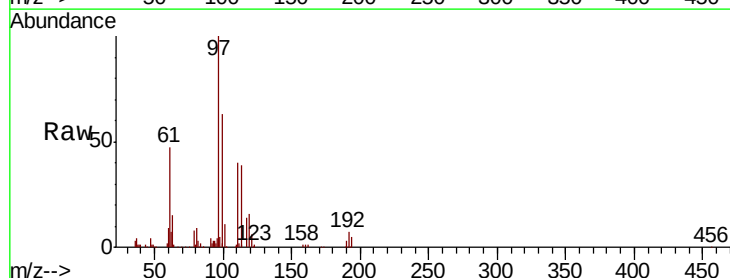
Tgt Ion: 97 Resp: 163412

Ion Ratio Lower Upper

97 100

99 64.5 52.4 78.6

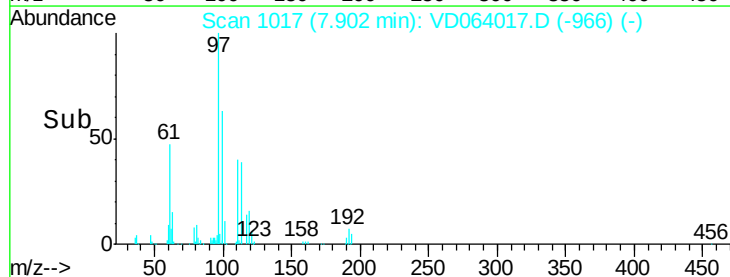
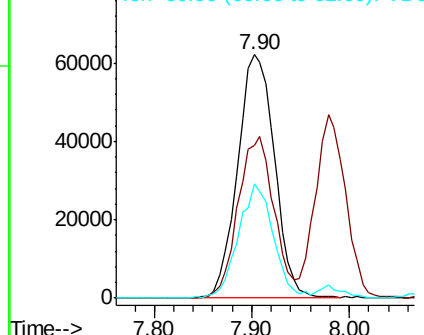
61 44.4 33.8 50.8

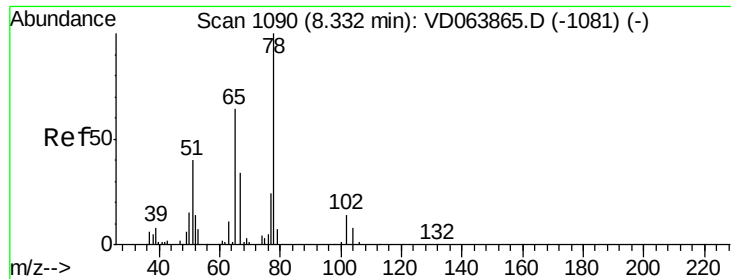


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





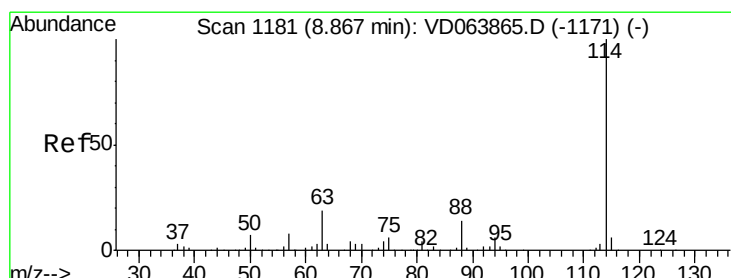
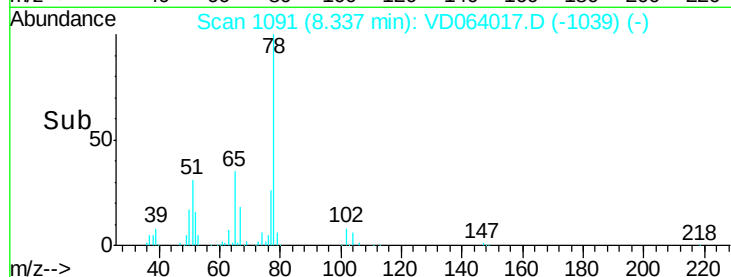
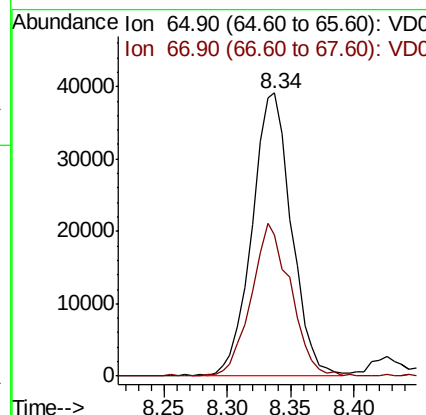
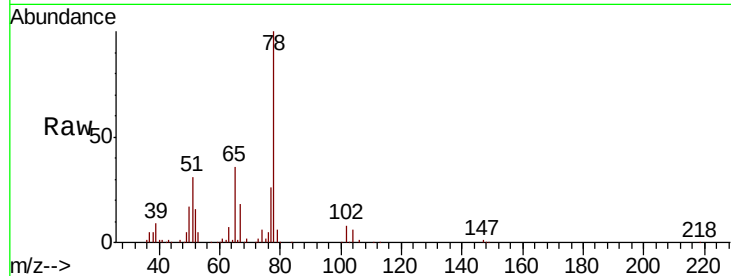
#33
 1,2-Dichloroethane-d4
 Concen: 43.264 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 84766
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.4

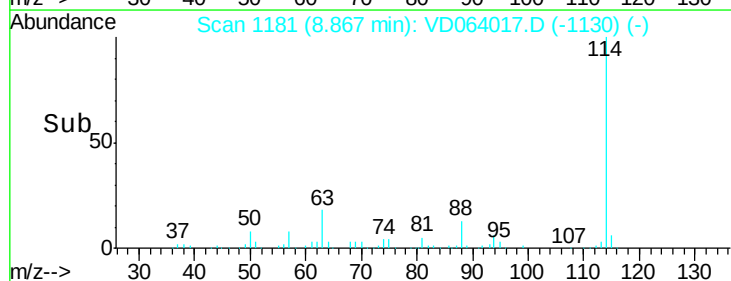
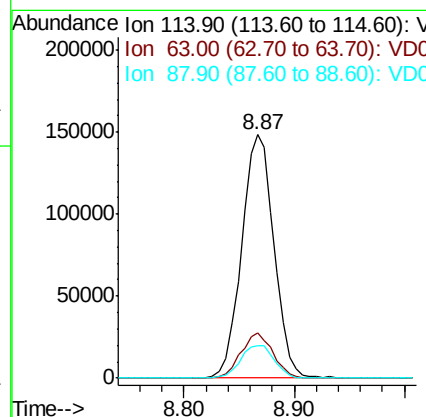
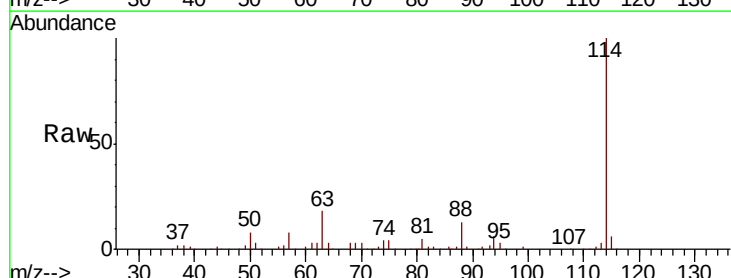
Manual Integrations
 APPROVED

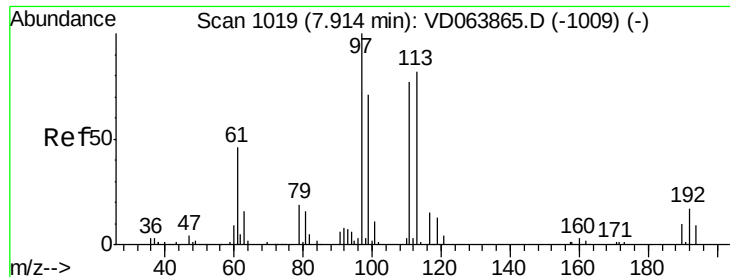
MMDadoda
 10/24/2019 4:53:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 114 Resp: 304631
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 13.3 0.0 27.4





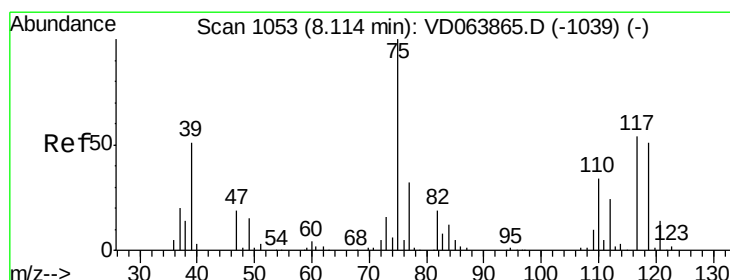
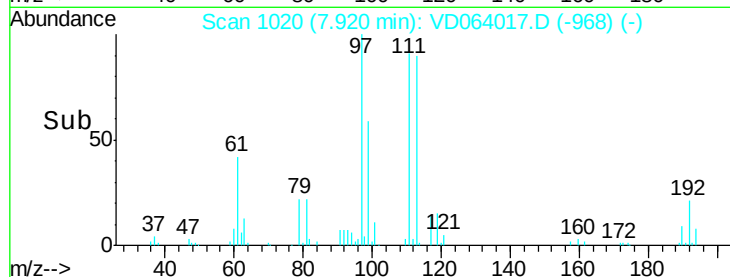
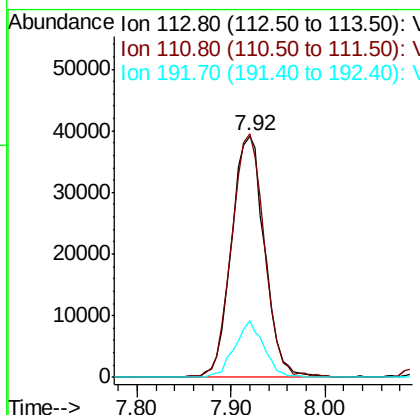
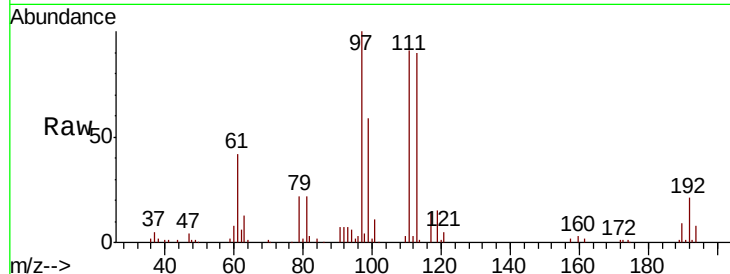
#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	123.8
192	20.5	17.1	25.7

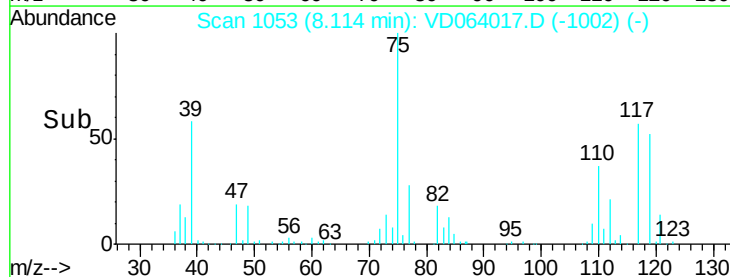
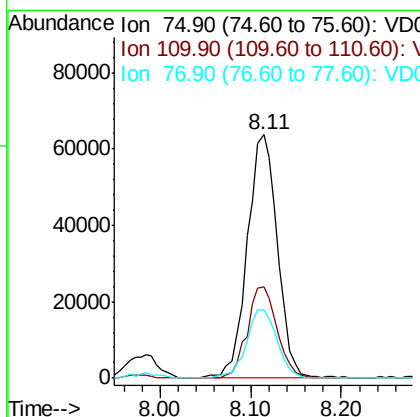
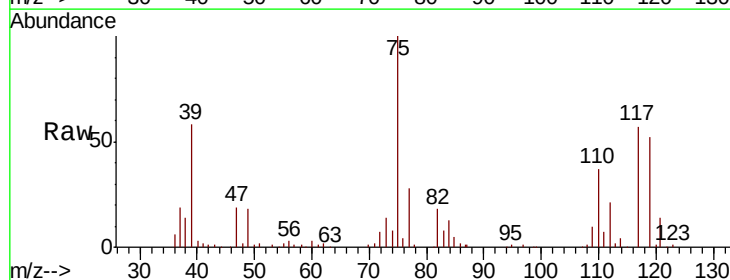
Manual Integrations
APPROVED

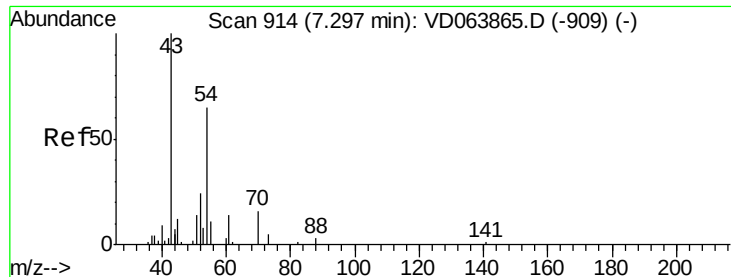
MMDadoda
10/24/2019 4:53:14 PM



#36
1,1-Dichloropropene
Concen: 52.586 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.4	52.3
77	28.7	25.4	38.0





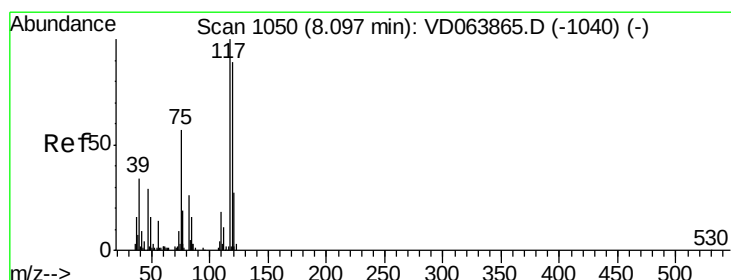
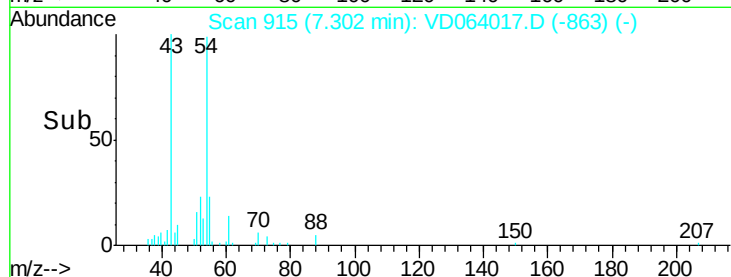
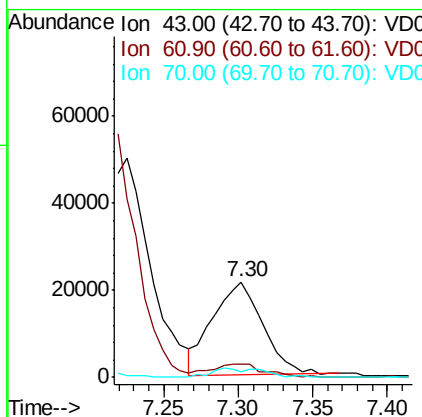
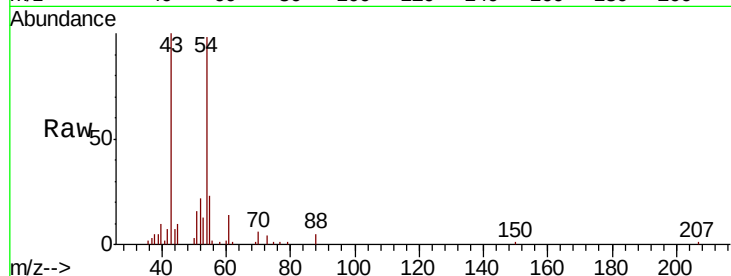
#37
Ethyl Acetate
Concen: 43.864 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.5	17.3
70	6.0	8.2	12.4

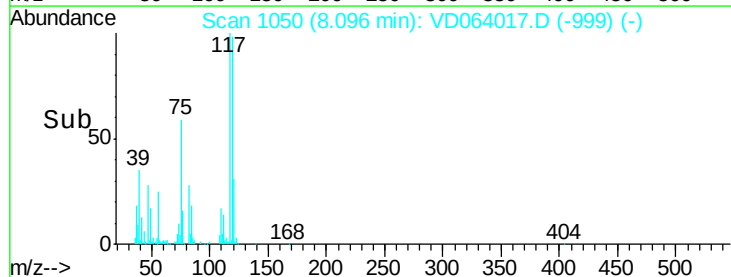
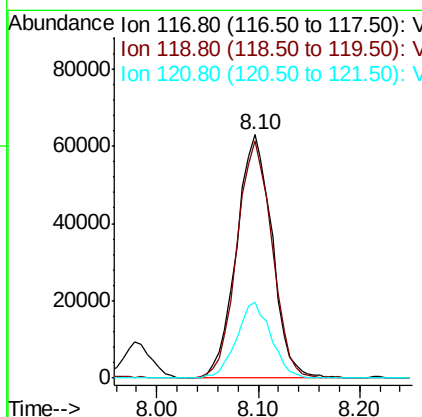
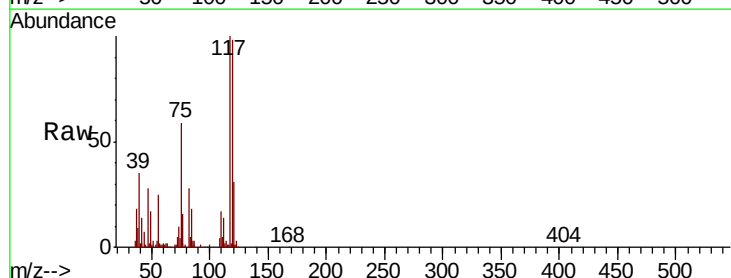
Manual Integrations
APPROVED

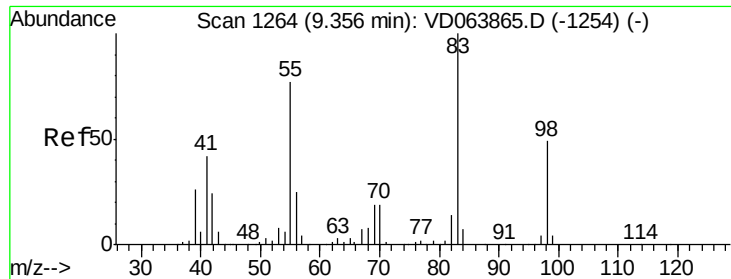
MMDadoda
10/24/2019 4:53:14 PM



#38
Carbon Tetrachloride
Concen: 54.446 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	70.8	106.2
121	31.2	21.4	32.0





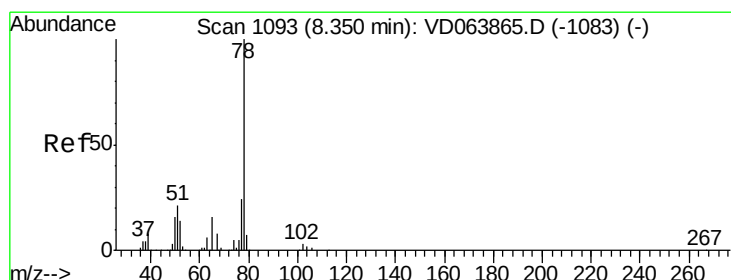
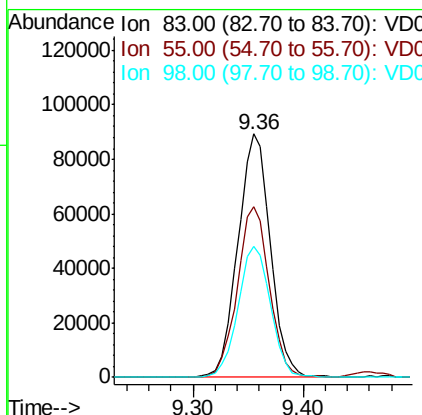
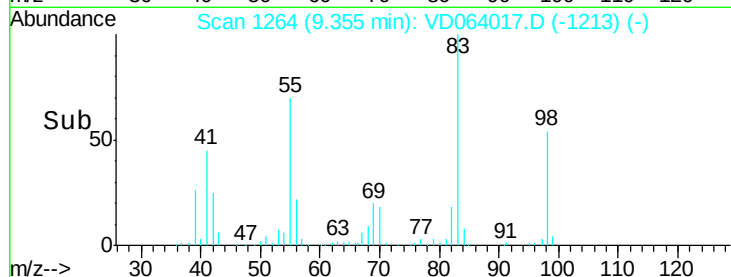
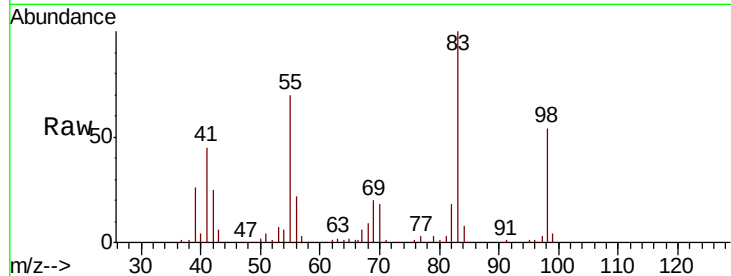
#39
Methylvlcyclohexane
Concen: 53.959 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	184793		
55	70.2		61.3	91.9
98	54.0		39.3	58.9

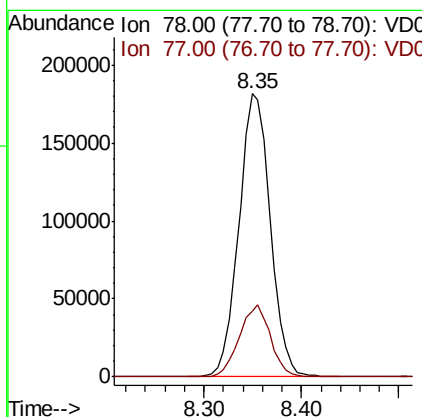
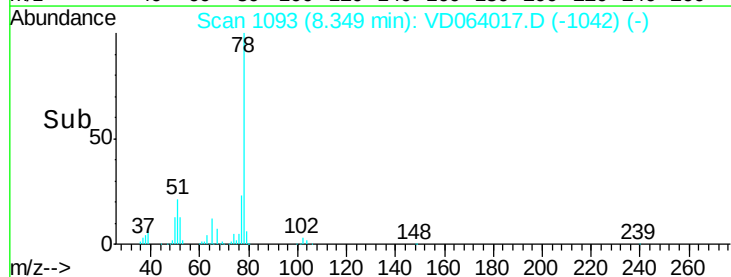
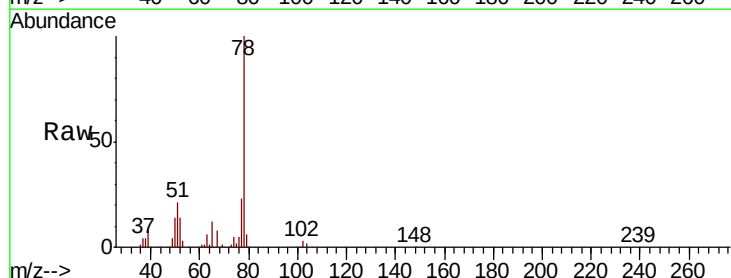
Manual Integrations
APPROVED

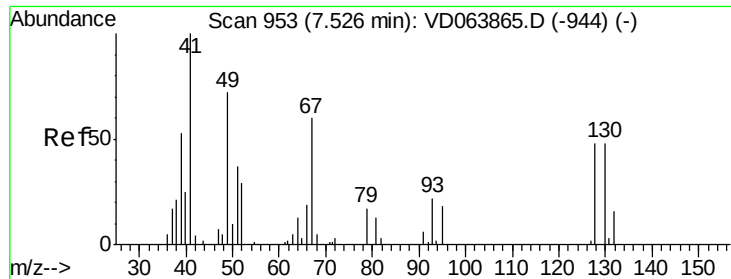
MMDadoda
10/24/2019 4:53:14 PM



#40
Benzene
Concen: 51.192 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	408607		
77	23.4		19.0	28.6





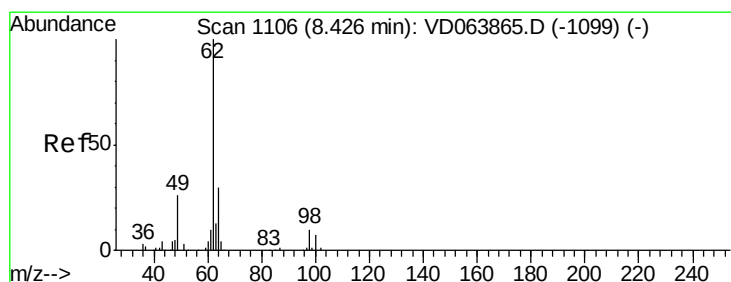
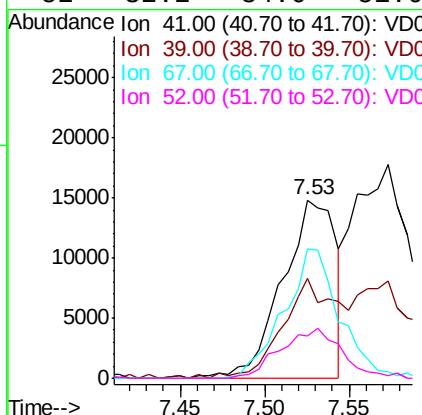
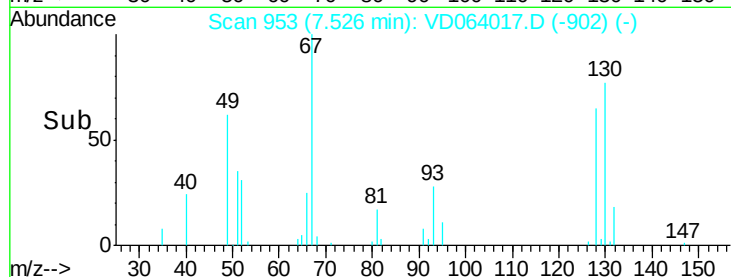
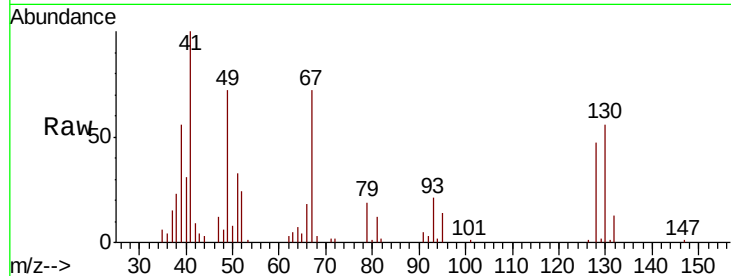
#41
Methacrylonitrile
Concen: 50.055 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	52.6	78.8
67	76.1	74.2	111.2
52	32.2	34.0	51.0

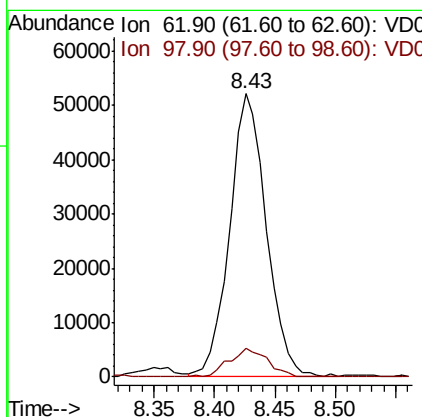
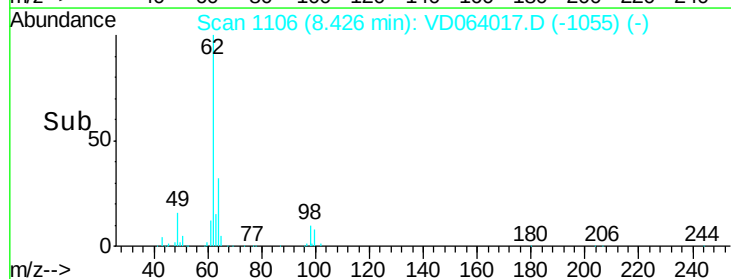
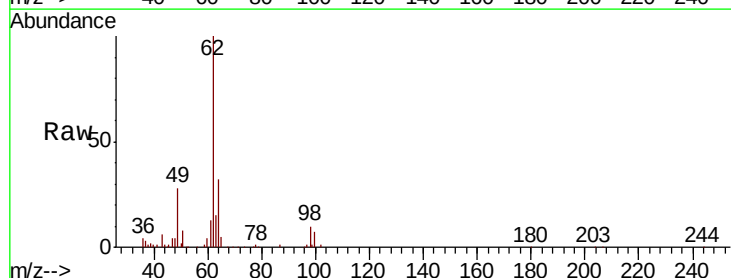
Manual Integrations
APPROVED

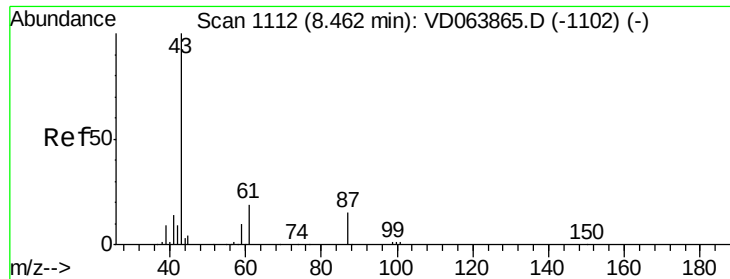
MMDadoda
10/24/2019 4:53:14 PM



#42
1,2-Dichloroethane
Concen: 47.770 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 44.035 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

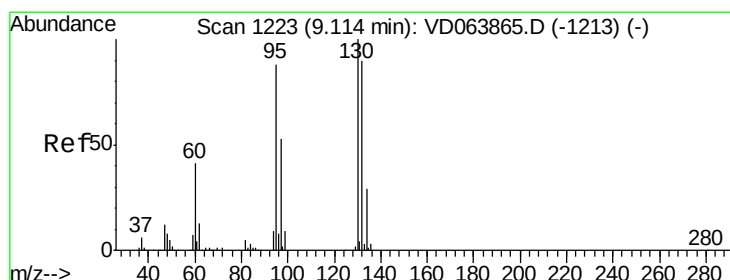
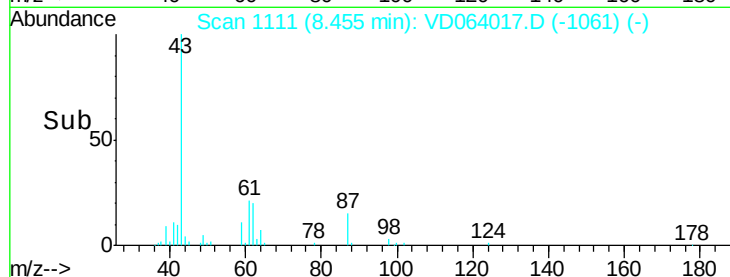
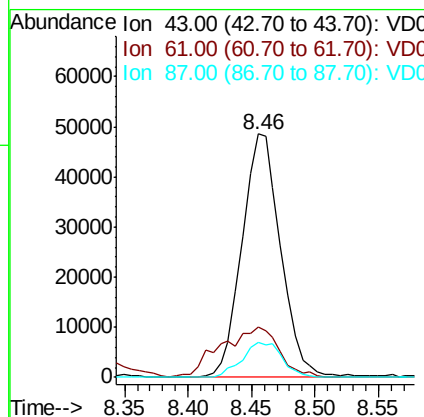
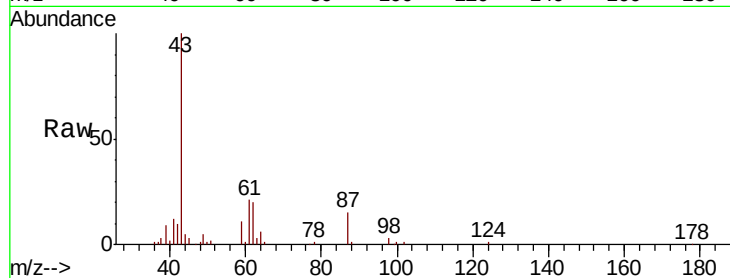
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	102860
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.7	38.5
87	15.1	11.6	17.4

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#44

Trichloroethene

Concen: 52.409 ug/l

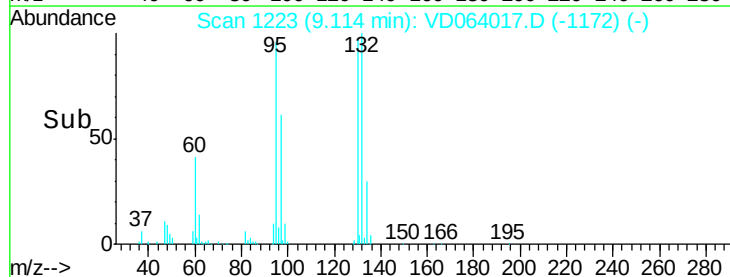
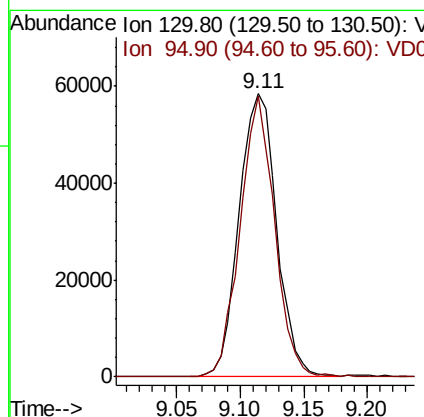
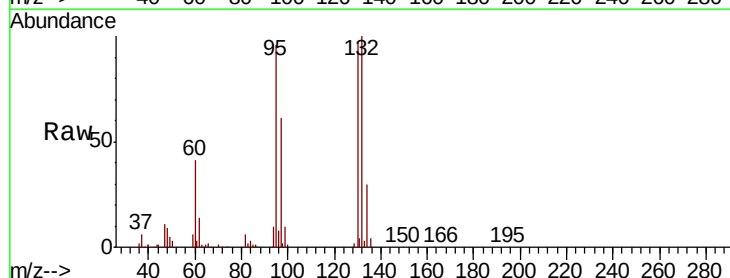
RT: 9.11 min Scan# 1223

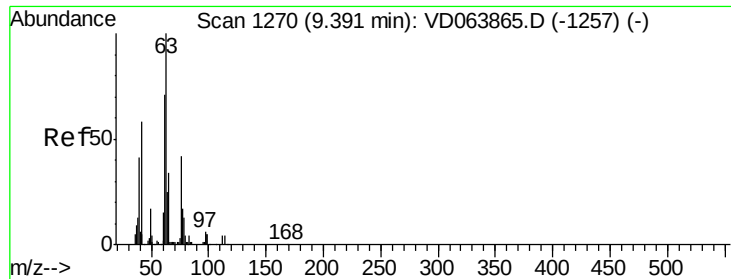
Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	130	Resp:	120628
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	175.6





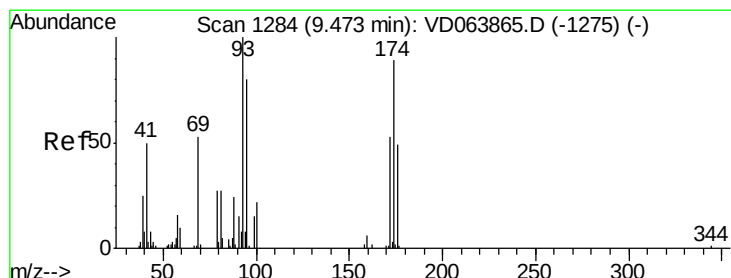
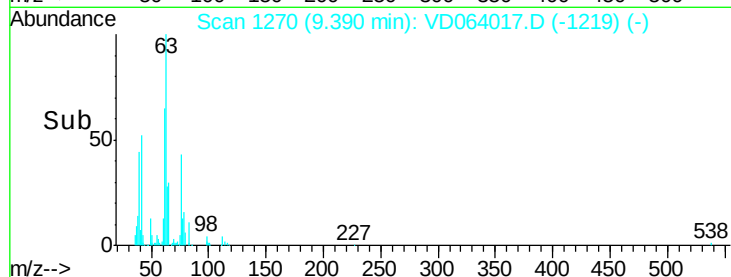
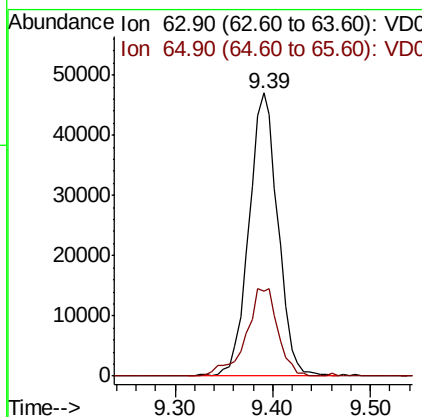
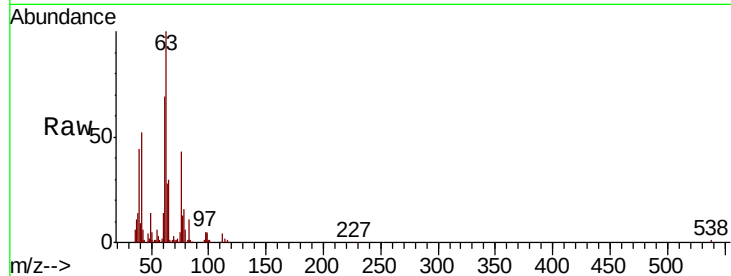
#45
 1,2-Dichloropropane
 Concen: 50.083 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 97846
 Ion Ratio Lower Upper
 63 100
 65 30.0 27.3 40.9

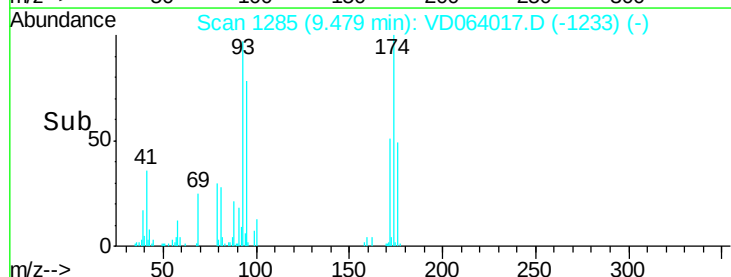
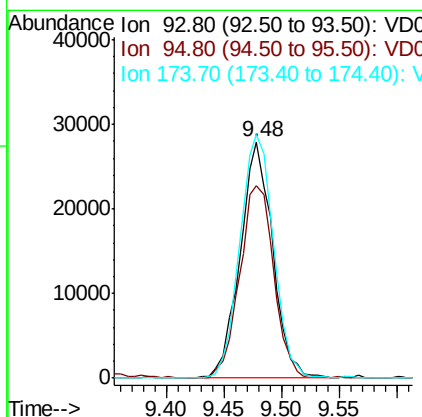
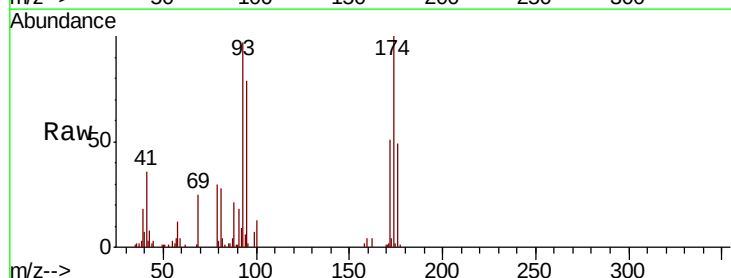
Manual Integrations
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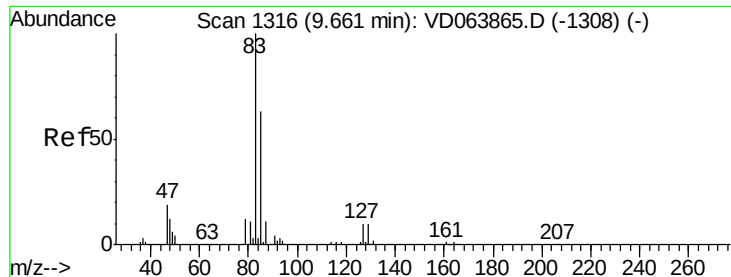
MMDadoda
 10/24/2019 4:53:14 PM



#46
 Dibromomethane
 Concen: 49.314 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 93 Resp: 54869
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.0 99.0
 174 106.2 83.4 125.0





#47

Bromodichloromethane

Concen: 50.092 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

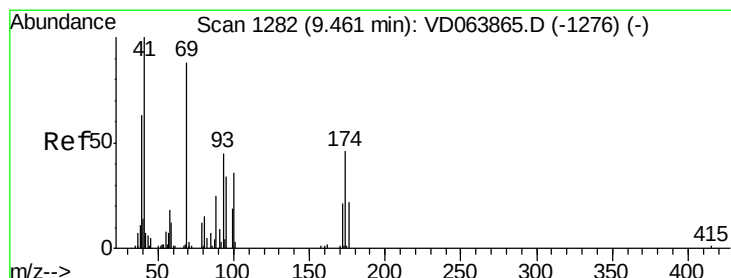
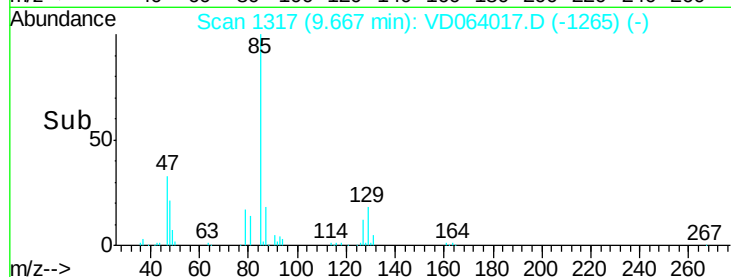
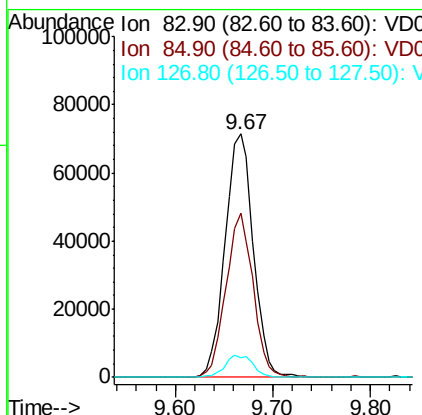
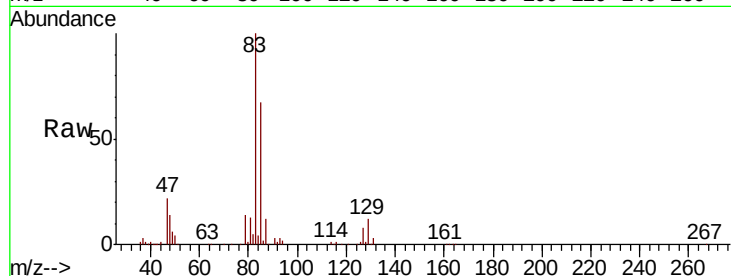
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143497
Ion Ratio	Lower	Upper	
83	100		
85	67.3	50.2	75.2
127	8.2	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.074 ug/l

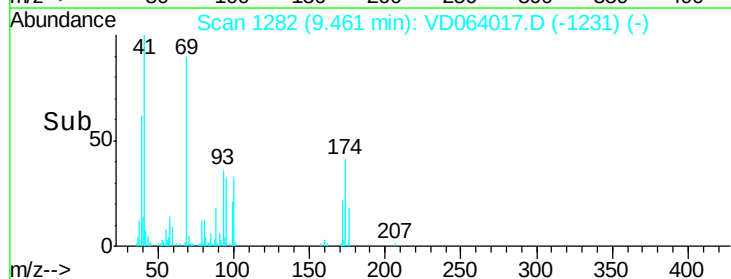
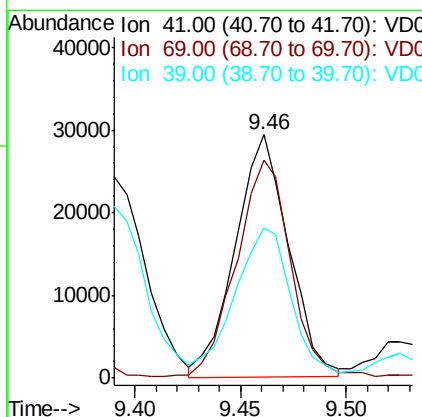
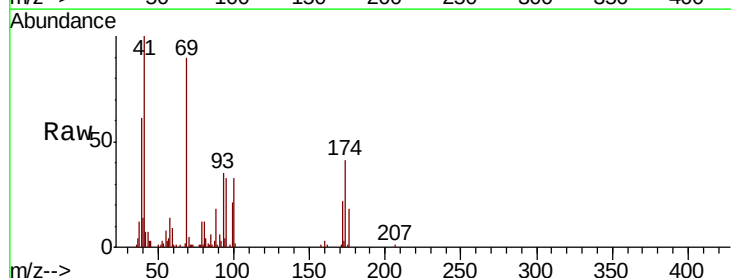
RT: 9.46 min Scan# 1282

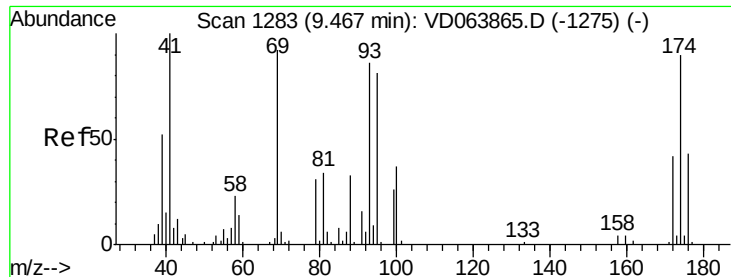
Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	41	Resp:	51565
Ion Ratio	Lower	Upper	
41	100		
69	90.1	75.1	112.7
39	60.2	50.2	75.2





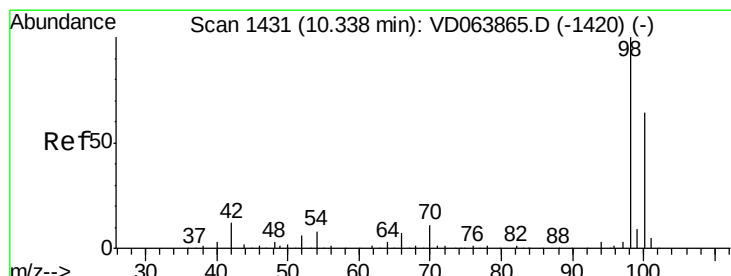
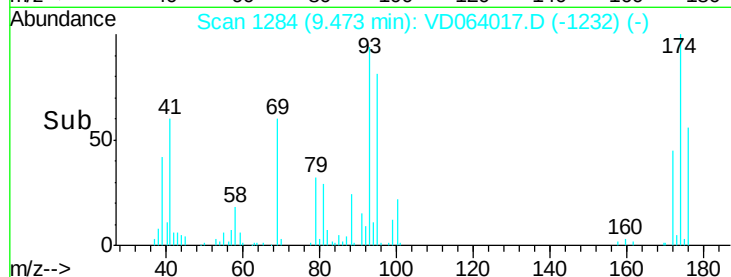
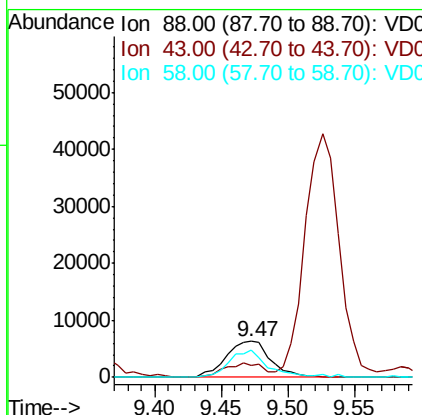
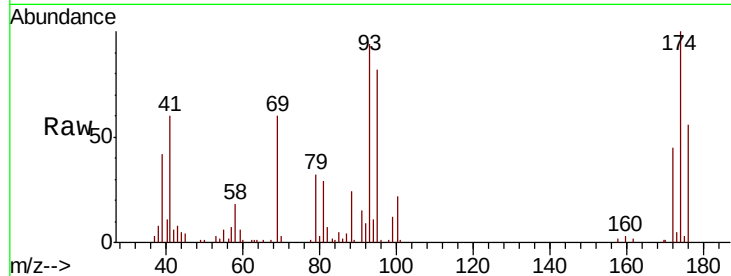
#49
1,4-Dioxane
Concen: 970.463 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	14739
Ion Ratio	Lower	Upper	
88	100		
43	33.6	27.6	41.4
58	63.5	54.1	81.1

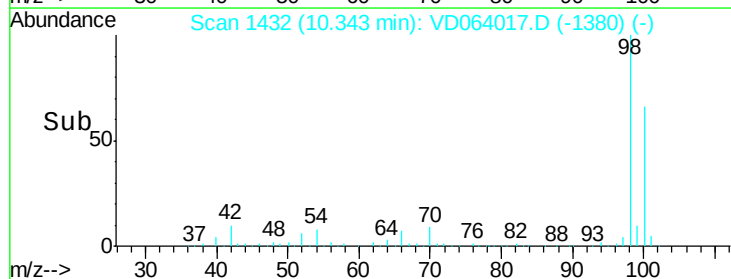
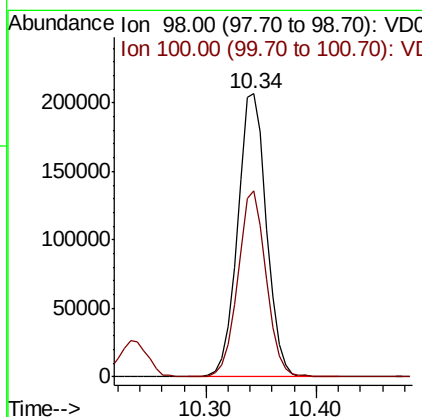
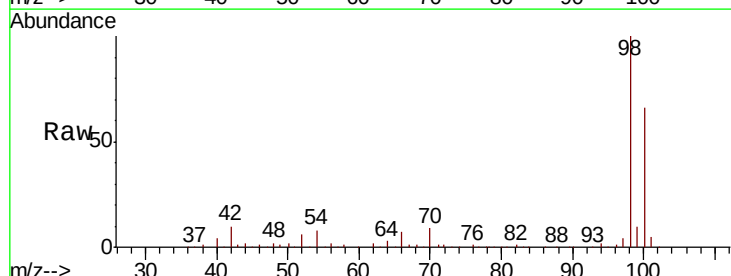
Manual Integrations
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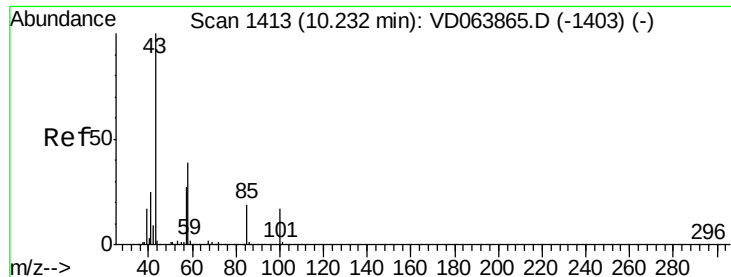
MMDadoda
10/24/2019 4:53:14 PM



#50
Toluene-d8
Concen: 50.247 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	98	Resp	379684
Ion Ratio	Lower	Upper	
98	100		
100	64.0	52.1	78.1





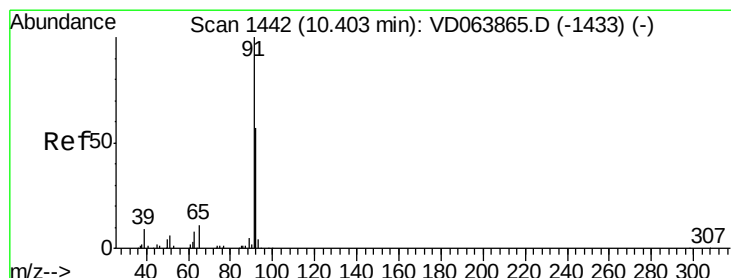
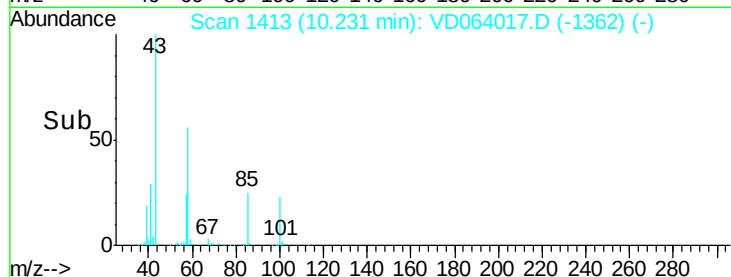
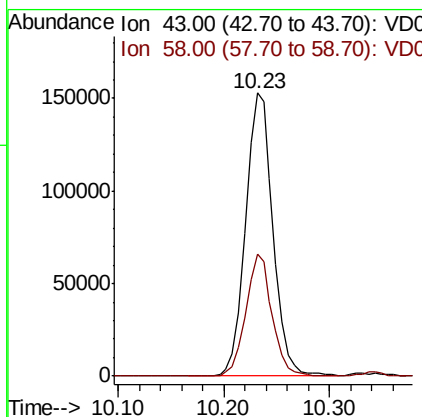
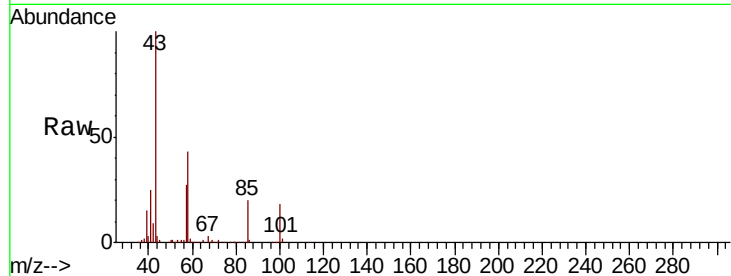
#51
 4-Methyl-2-Pentanone
 Concen: 227.179 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	275212
Ion Ratio	100	Lower	Upper
43	100		
58	41.3	33.0	49.4

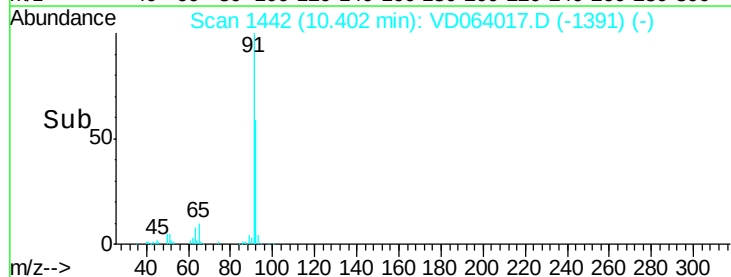
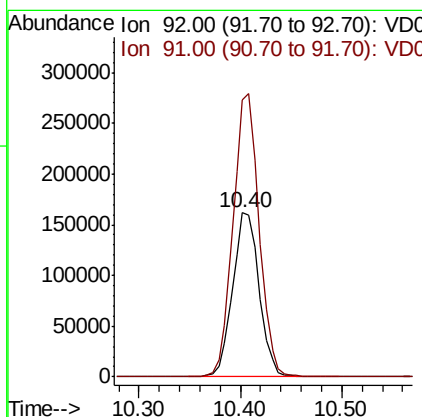
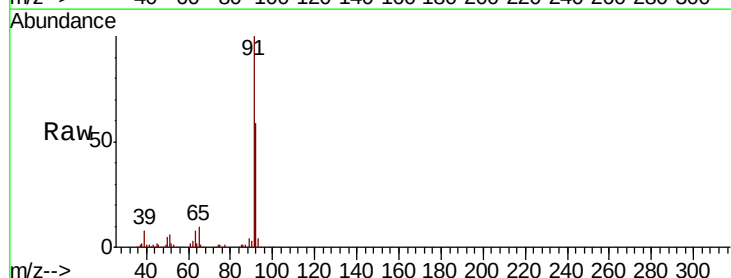
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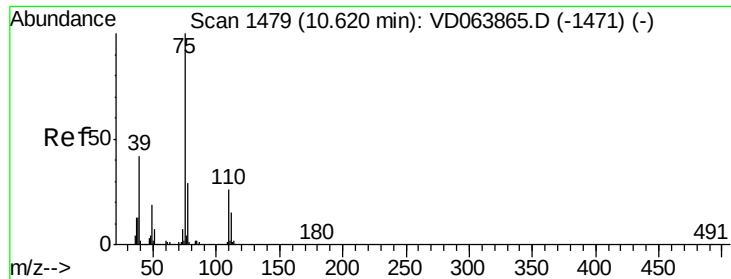
MMDadoda
 10/24/2019 4:53:14 PM



#52
 Toluene
 Concen: 53.565 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	92	Resp	293506
Ion Ratio	100	Lower	Upper
92	100		
91	169.2	139.5	209.3





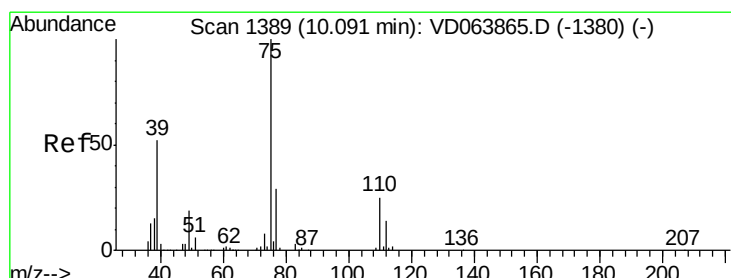
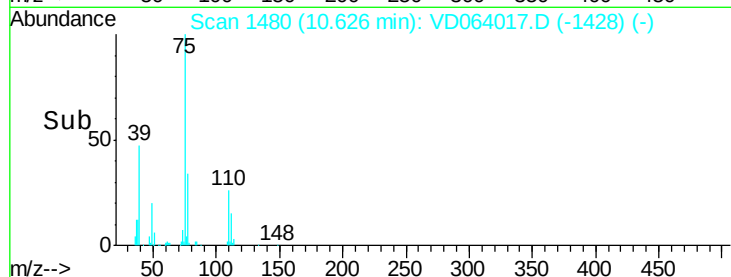
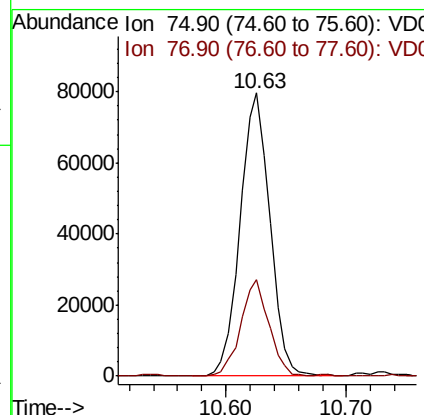
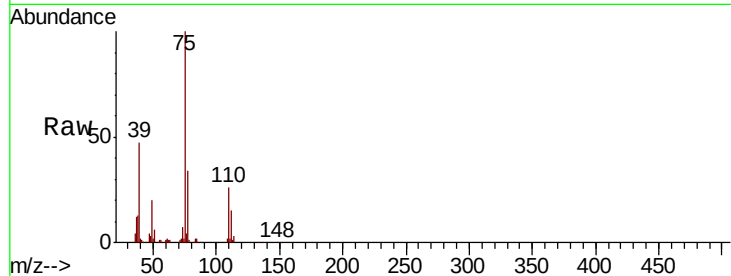
#53
t-1,3-Dichloropropene
Concen: 49.064 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 137152
Ion Ratio Lower Upper
75 100
77 33.8 22.8 34.2

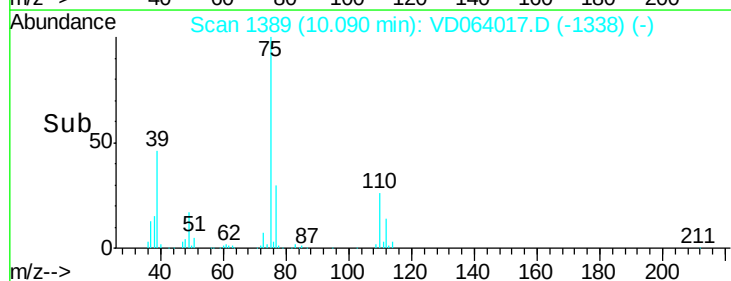
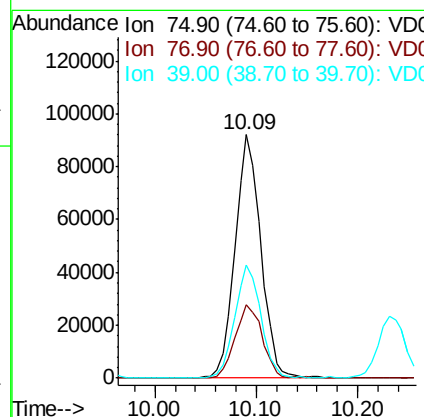
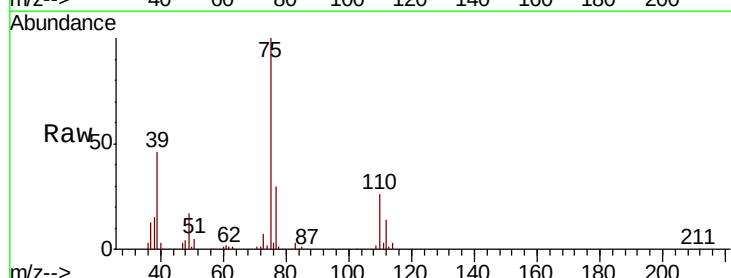
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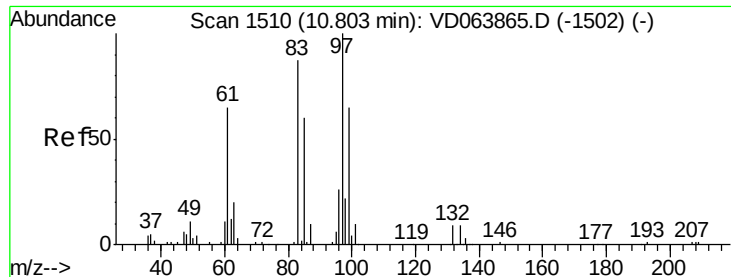
MMDadoda
10/24/2019 4:53:14 PM



#54
cis-1,3-Dichloropropene
Concen: 50.446 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 75 Resp: 162323
Ion Ratio Lower Upper
75 100
77 30.0 23.2 34.8
39 46.4 41.5 62.3





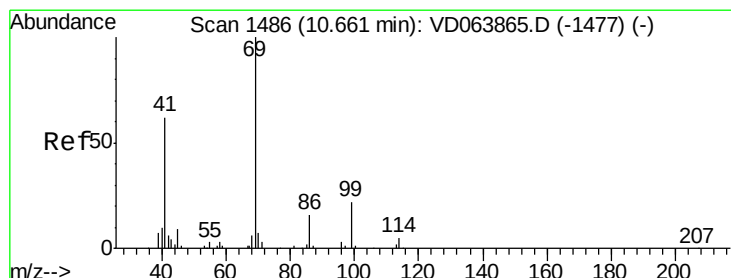
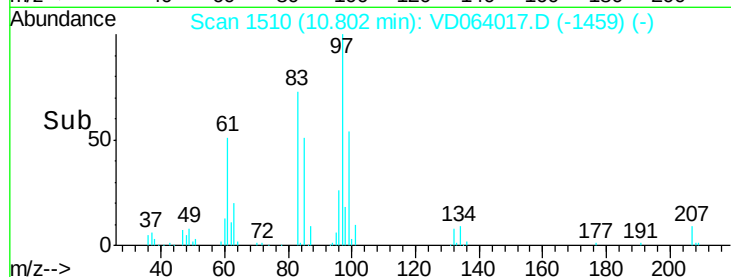
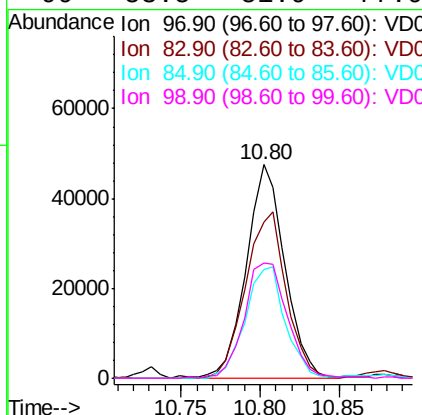
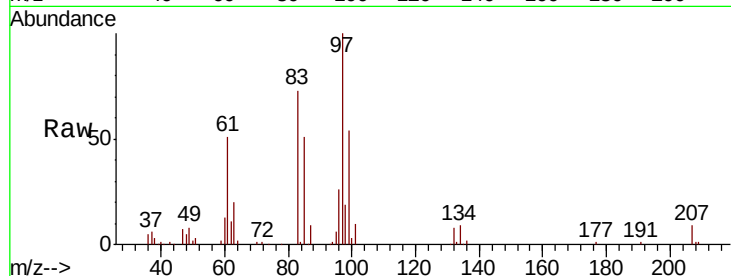
#55
 1,1,2-Trichloroethane
 Concen: 51.182 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	73.4	69.7	104.5
85	50.9	48.1	72.1
99	53.5	51.9	77.9

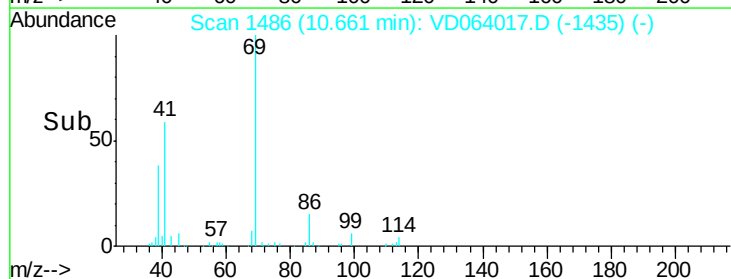
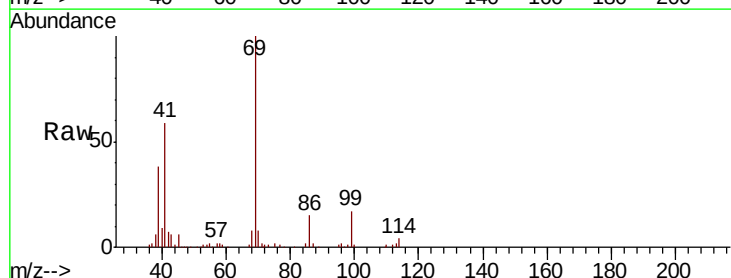
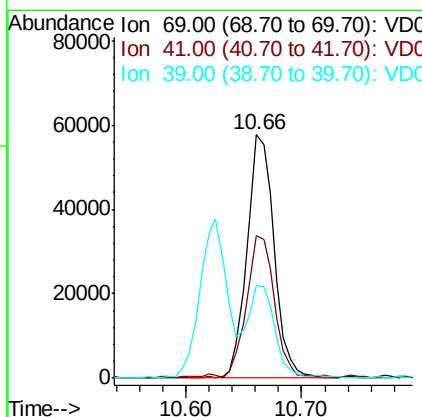
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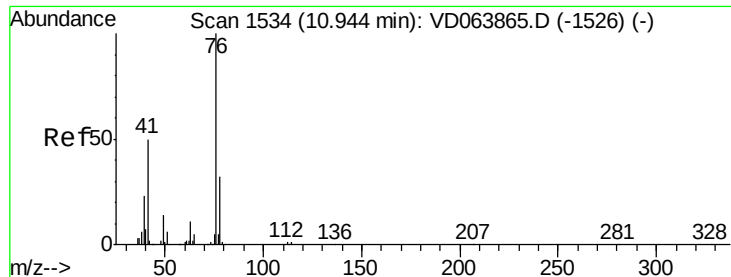
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 10/24/2019 4:53:14 PM



#56
 Ethyl methacrylate
 Concen: 47.447 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	51.3	76.9
39	38.0	28.0	42.0





#57

1,3-Dichloropropane

Concen: 49.374 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 132713

Ion Ratio Lower Upper

76 100

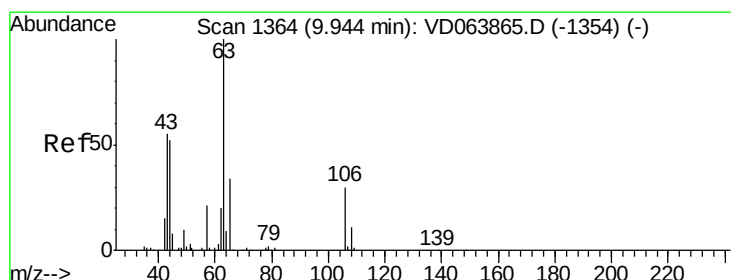
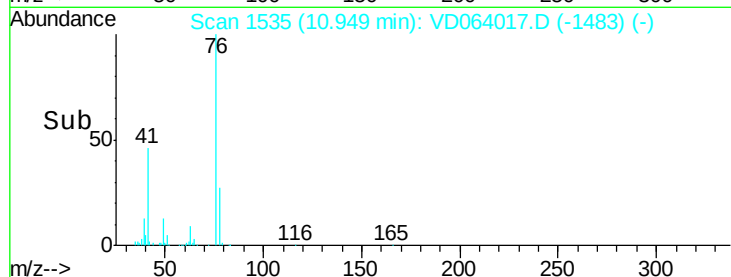
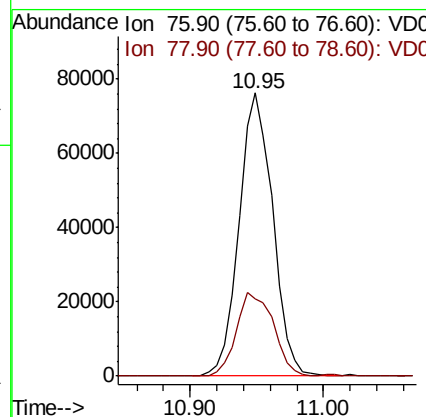
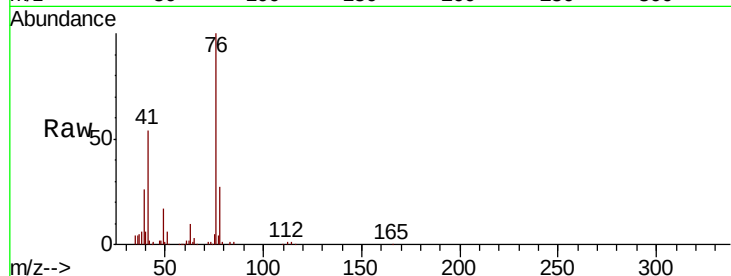
78 32.6 26.6 40.0

Manual Integrations

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10/24/2019 4:53:14 PM



#58

2-Chloroethyl Vinyl ether

Concen: 239.499 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064017.D

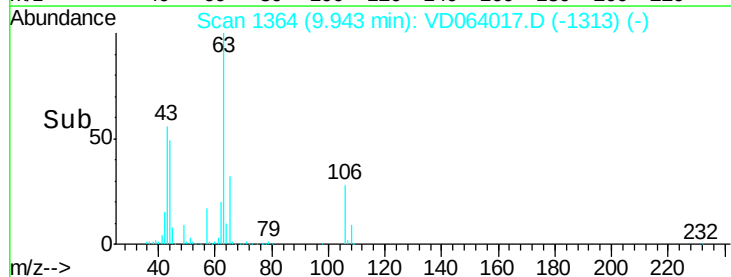
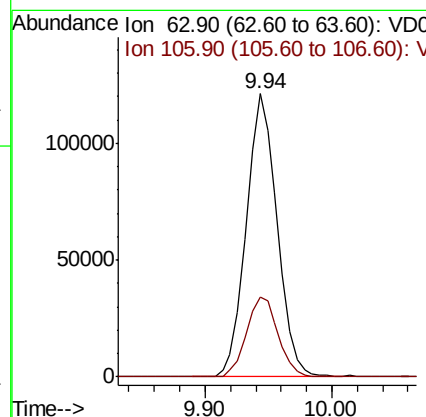
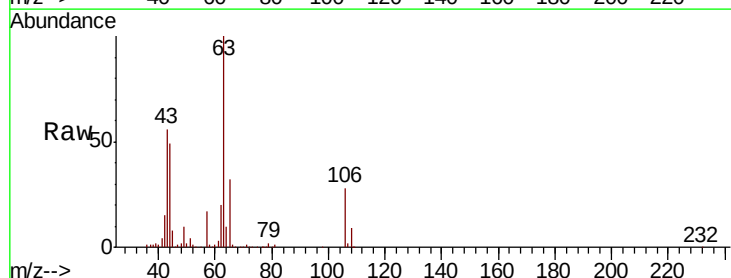
Acq: 23 Oct 2019 13:20

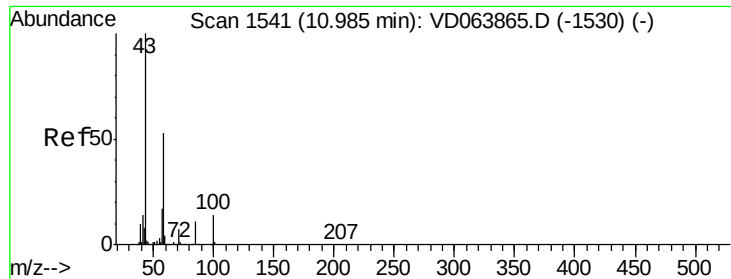
Tgt Ion: 63 Resp: 204807

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5





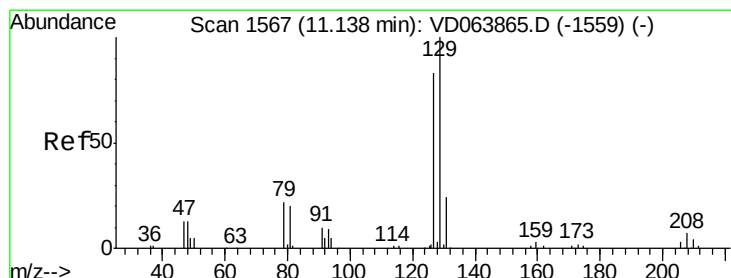
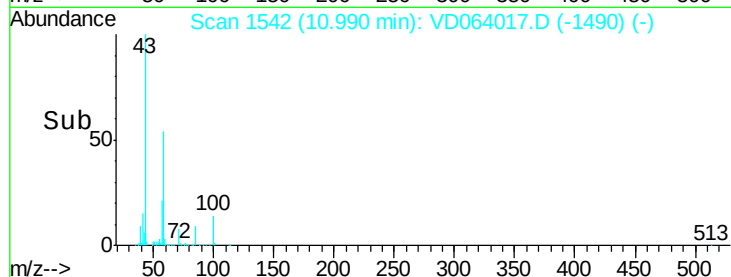
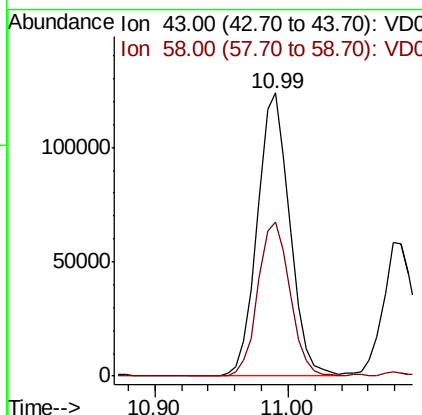
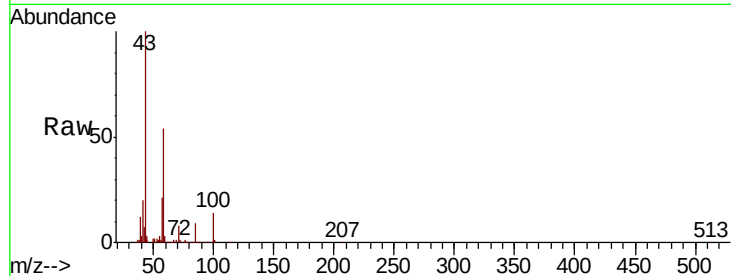
#59
2-Hexanone
Concen: 236.826 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 207534
Ion Ratio Lower Upper
43 100
58 54.0 27.7 83.0

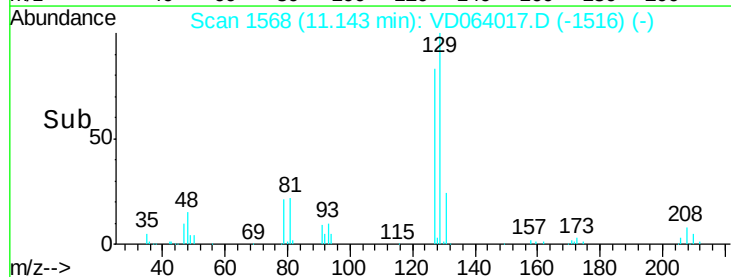
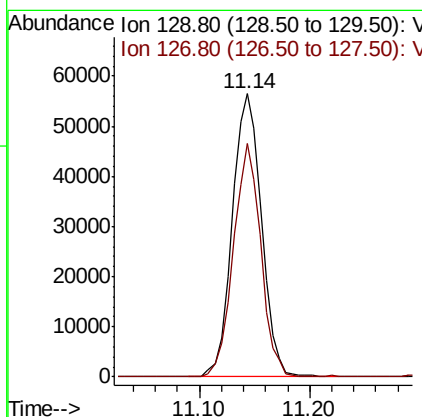
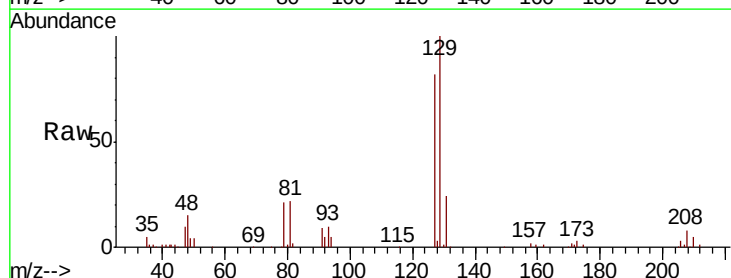
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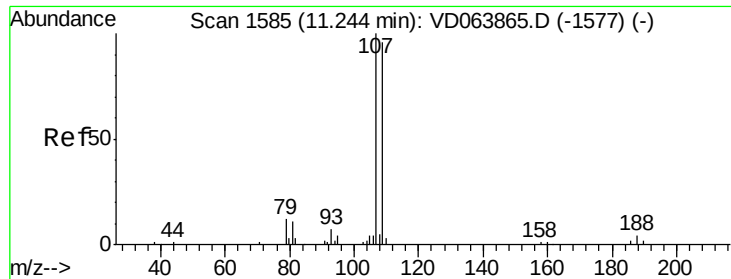
MMDadoda
10/24/2019 4:53:14 PM



#60
Dibromochloromethane
Concen: 51.196 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion: 129 Resp: 104711
Ion Ratio Lower Upper
129 100
127 77.5 39.9 119.6





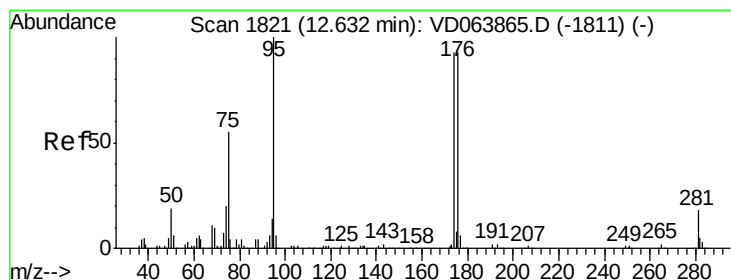
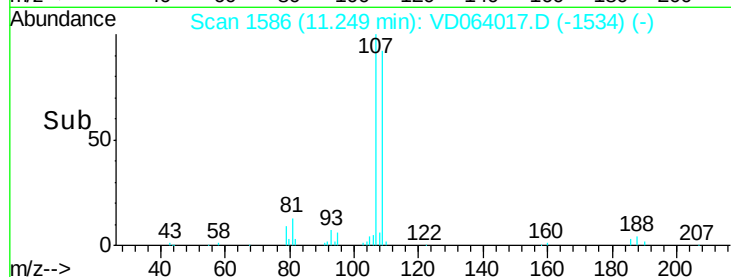
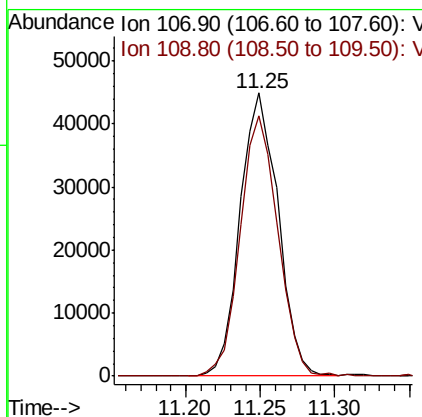
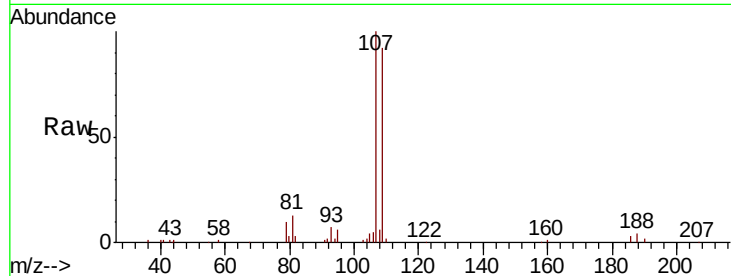
#61
 1,2-Dibromoethane
 Concen: 51.984 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 79174
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.2 112.8

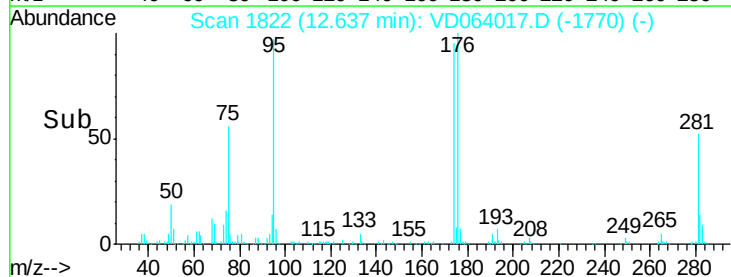
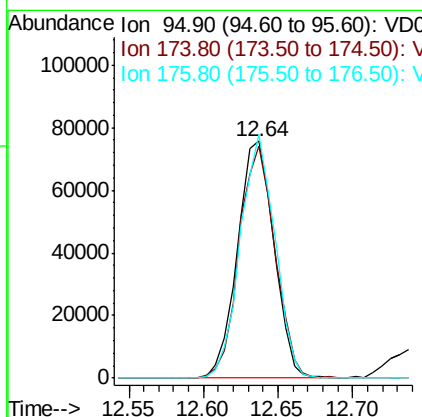
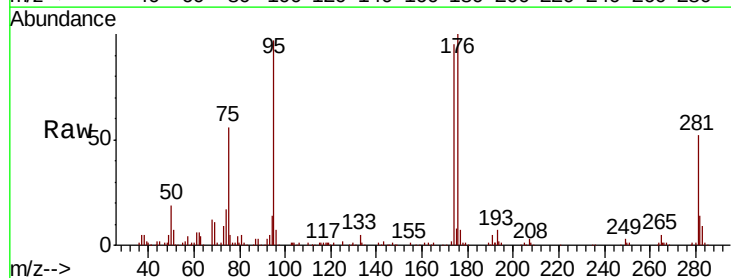
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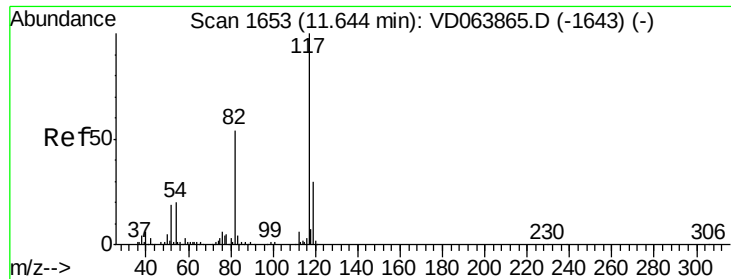
MMDadoda
 10/24/2019 4:53:14 PM



#62
 4-Bromofluorobenzene
 Concen: 48.952 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion: 95 Resp: 128540
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 186.4
 176 97.7 0.0 184.2





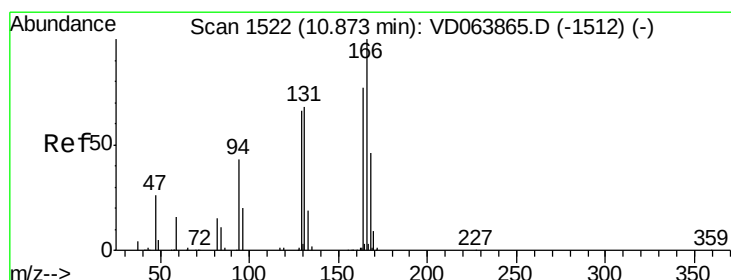
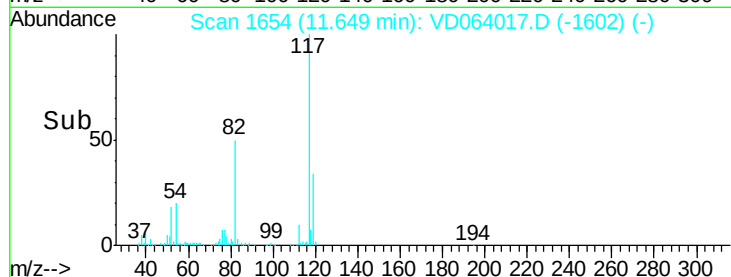
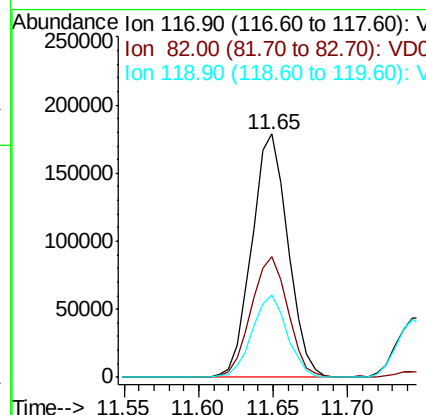
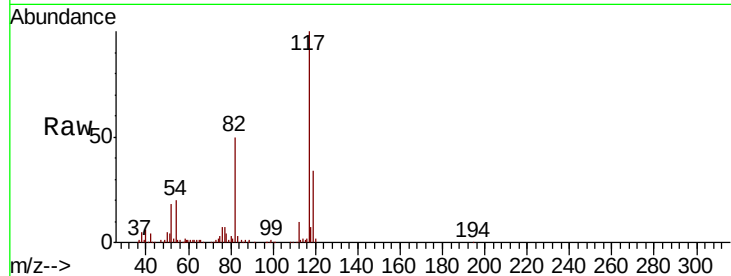
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299222		
82	49.8	42.8	64.2	
119	33.9	24.4	36.6	

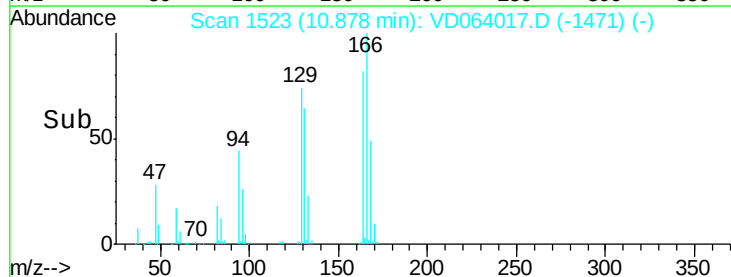
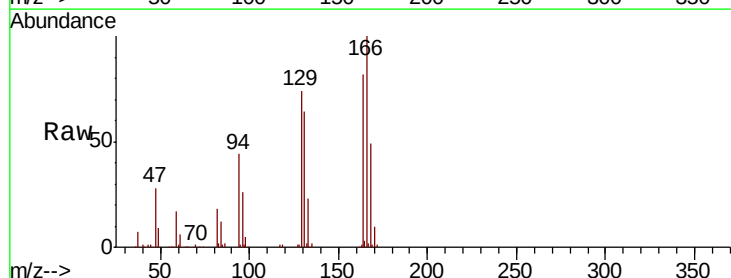
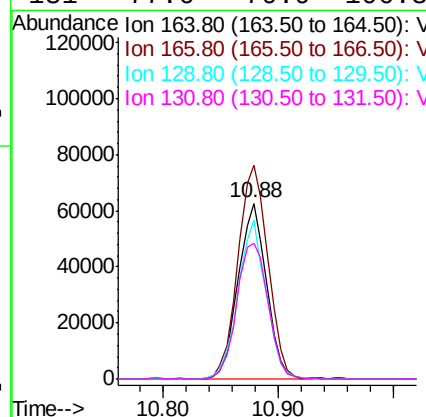
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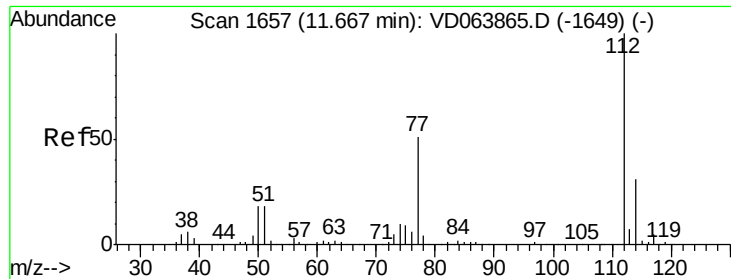
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#64
Tetrachloroethene
Concen: 52.208 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106647		
166	121.7	103.8	155.6	
129	90.3	68.9	103.3	
131	77.6	70.9	106.3	





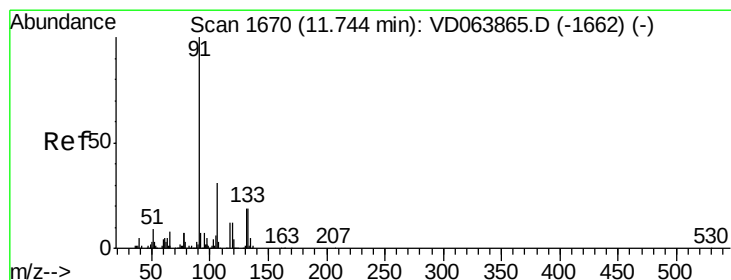
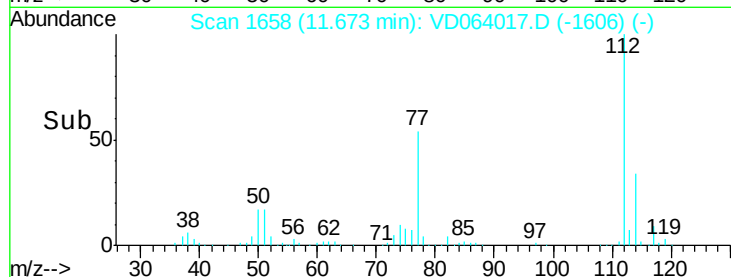
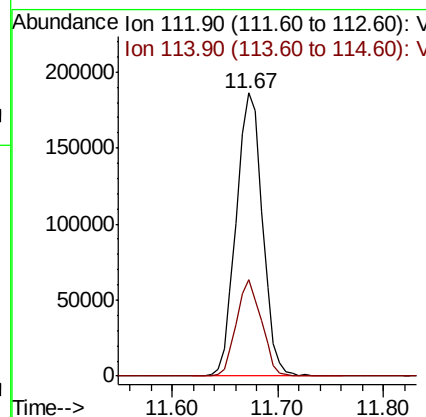
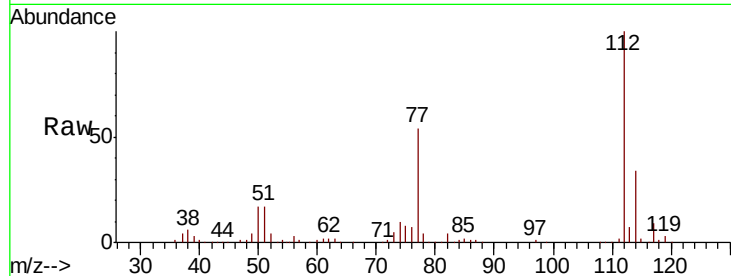
#65
Chlorobenzene
Concen: 53.213 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 319770
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7

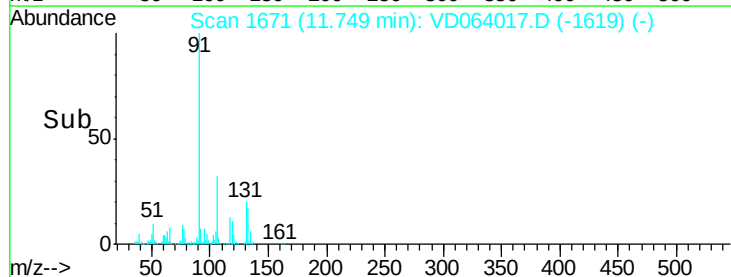
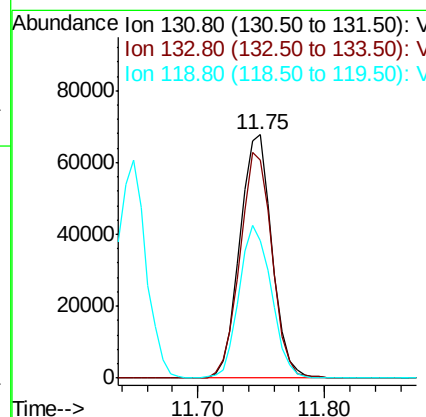
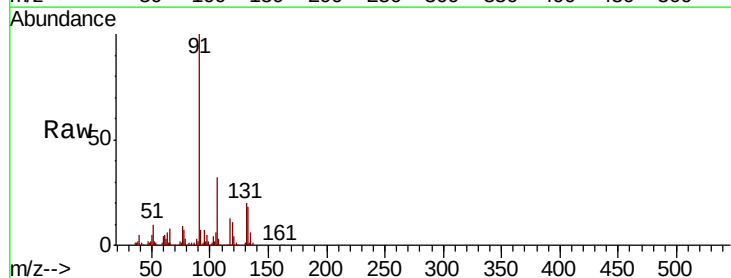
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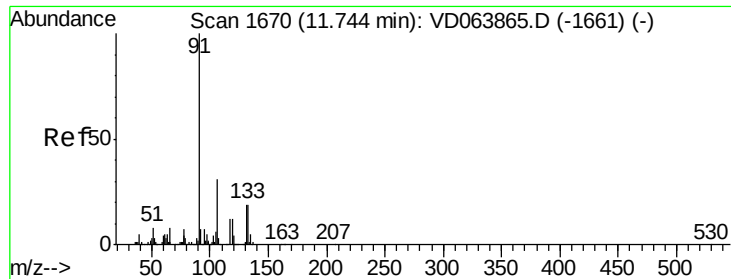
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.493 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion:131 Resp: 118447
Ion Ratio Lower Upper
131 100
133 93.0 48.9 146.7
119 63.3 32.6 97.8





#67

Ethyl Benzene

Concen: 53.333 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 577902

Ion Ratio Lower Upper

91 100

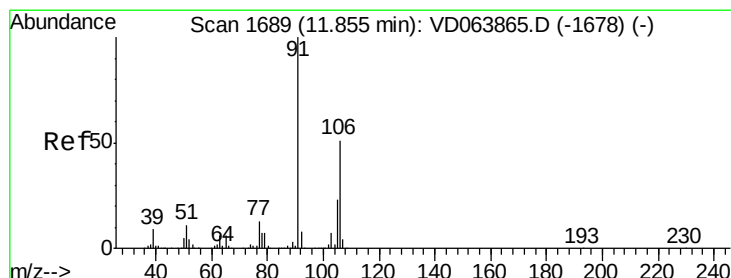
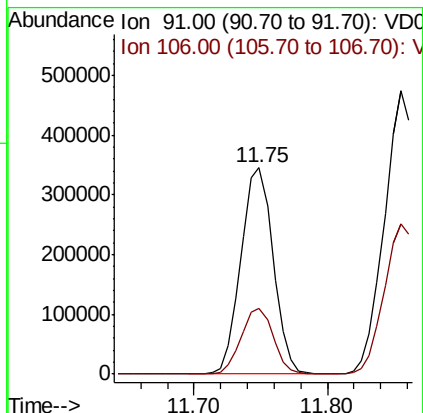
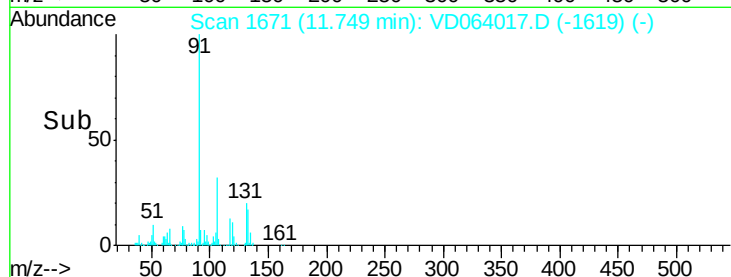
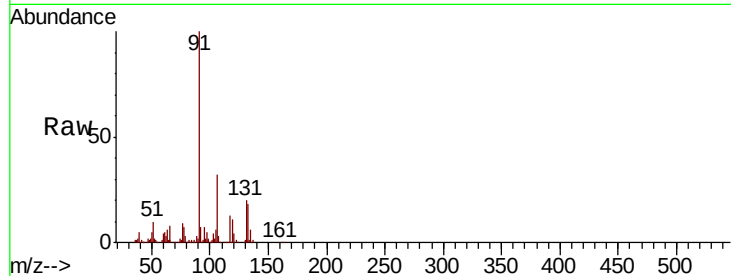
106 32.0 24.6 37.0

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#68

m/p-Xylenes

Concen: 110.881 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064017.D

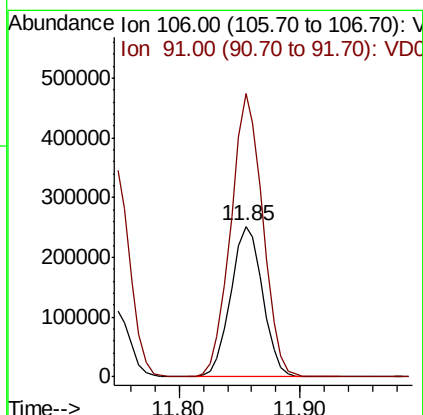
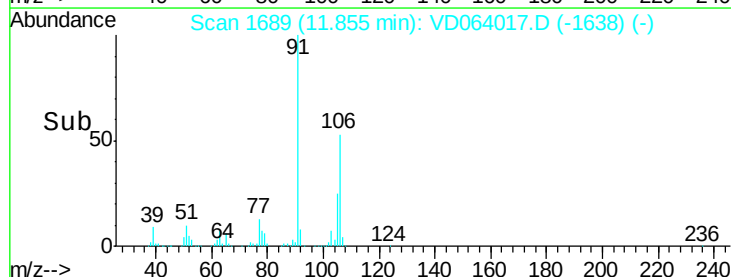
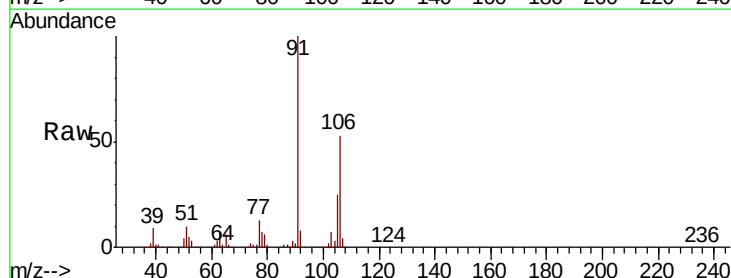
Acq: 23 Oct 2019 13:20

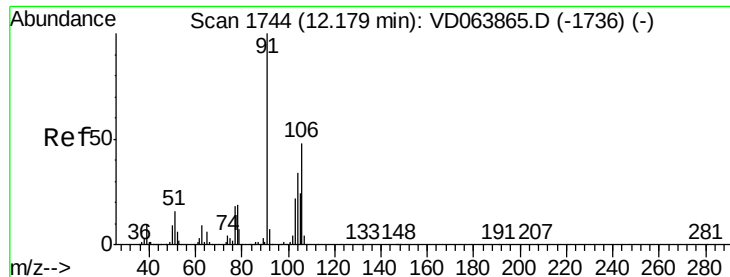
Tgt Ion: 106 Resp: 463744

Ion Ratio Lower Upper

106 100

91 188.1 154.8 232.2





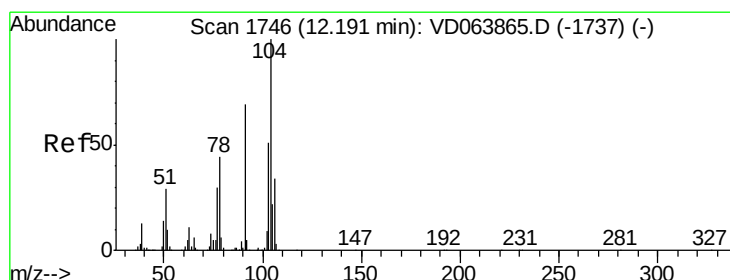
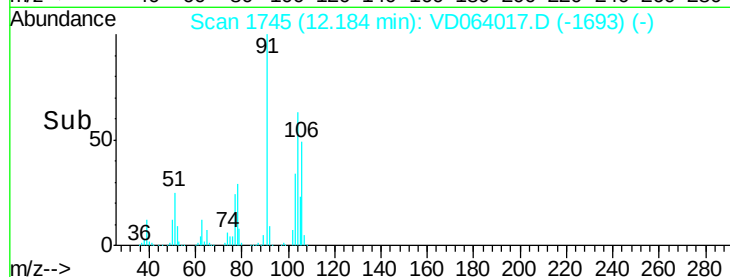
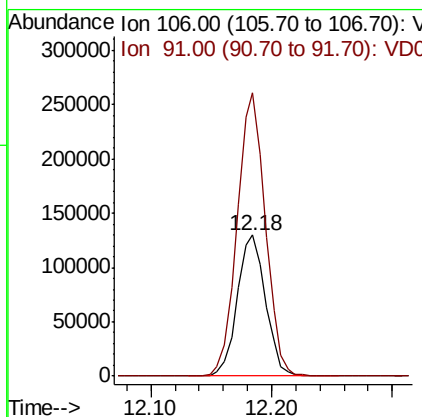
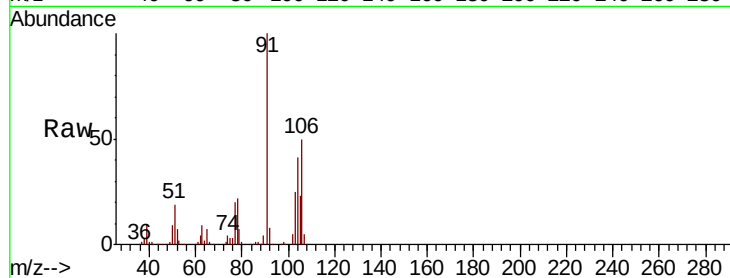
#69
o-Xylene
Concen: 52.952 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.3	103.9	311.7

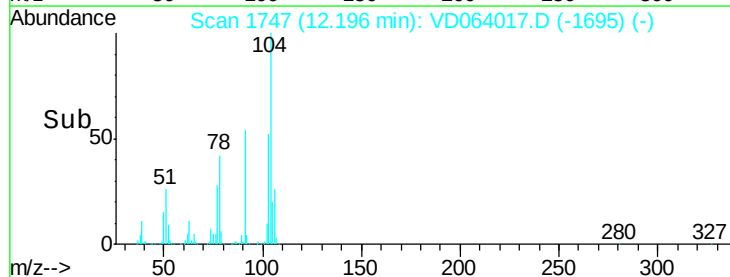
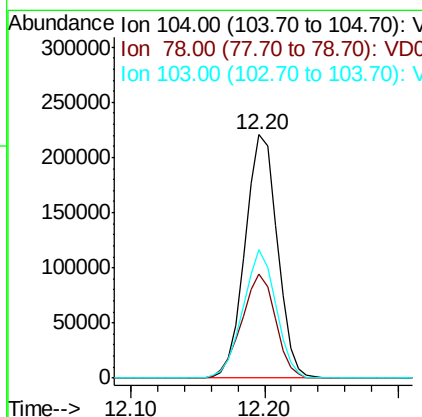
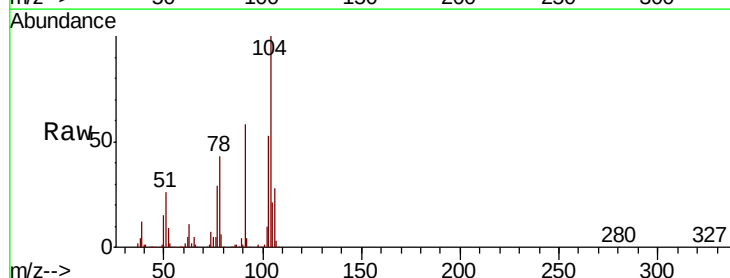
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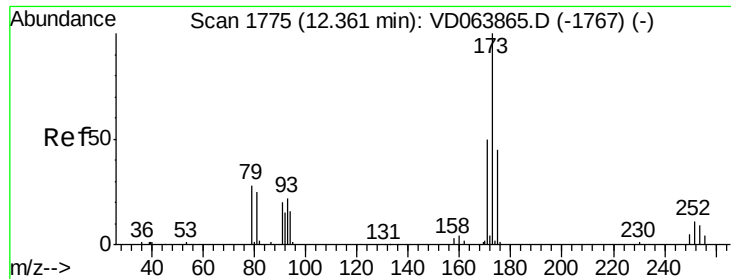
MMDadoda
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#70
Styrene
Concen: 54.138 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.3	37.0	55.4
103	54.0	44.2	66.4





#71

Bromoform

Concen: 53.789 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 63919

Ion Ratio Lower Upper

173 100

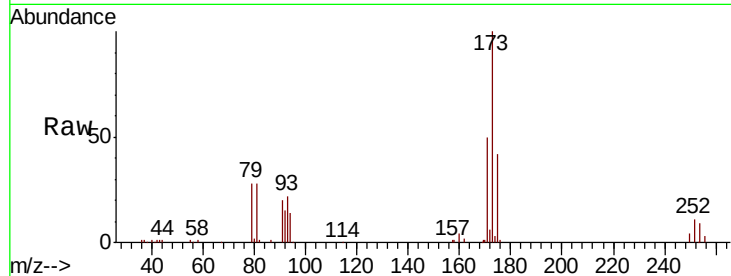
175 50.9 24.6 74.0

254 0.0 0.0 0.0

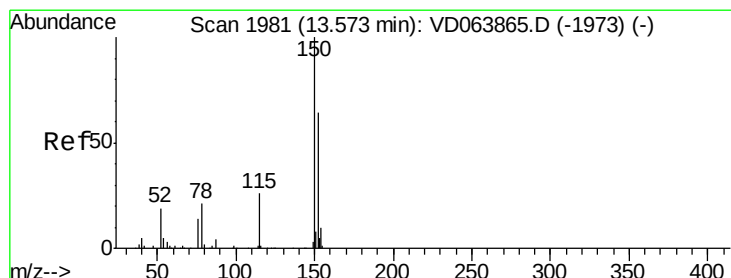
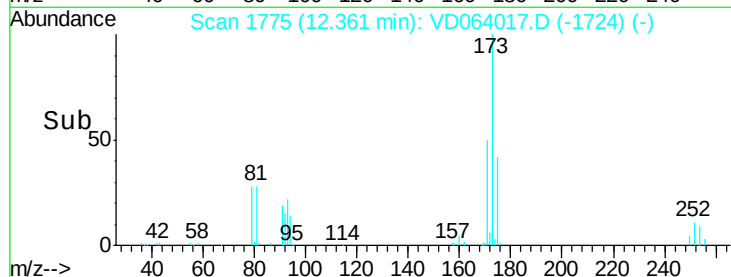
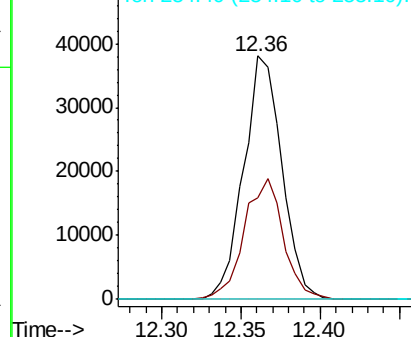
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

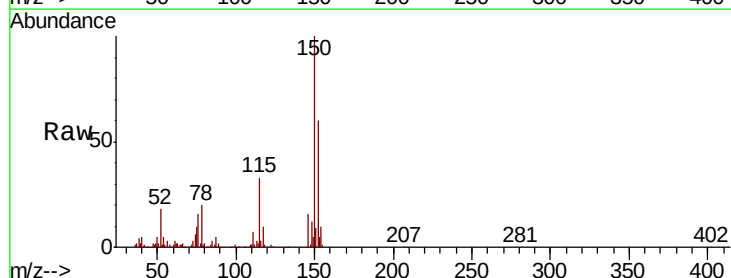
Tgt Ion:152 Resp: 170178

Ion Ratio Lower Upper

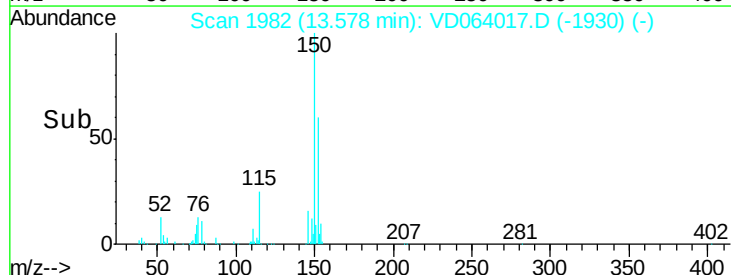
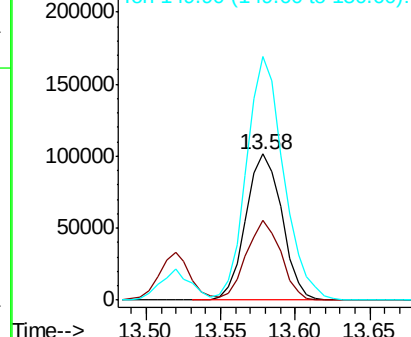
152 100

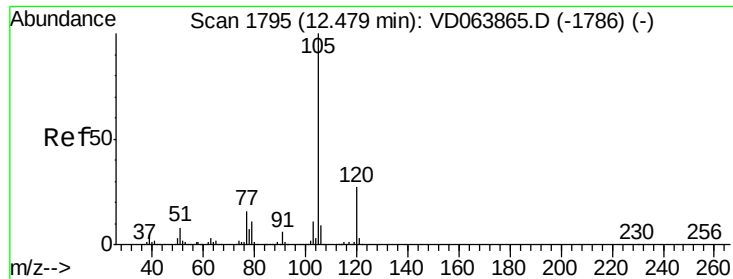
115 52.2 25.9 77.7

150 171.6 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.135 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 584995

Ion Ratio Lower Upper

105 100

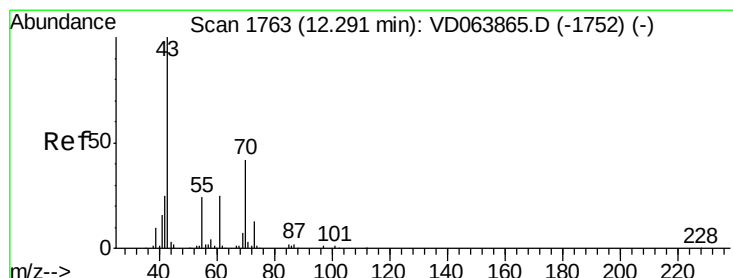
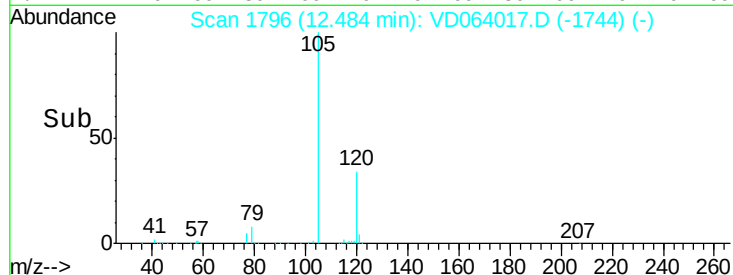
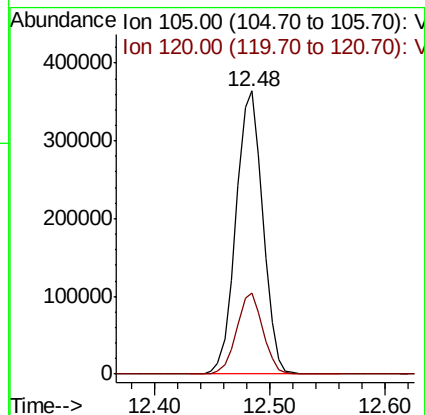
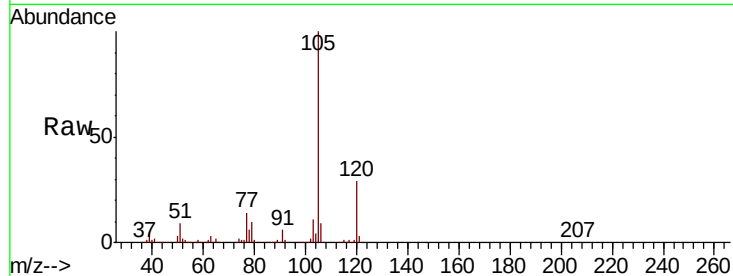
120 27.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 43.194 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion: 43 Resp: 106390

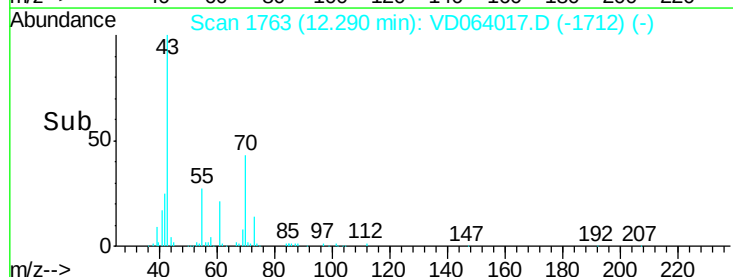
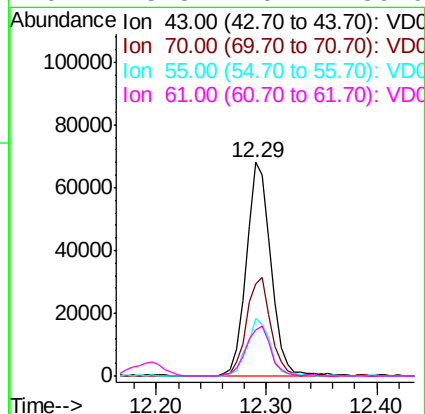
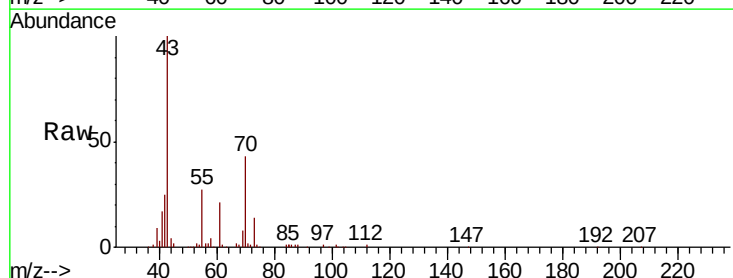
Ion Ratio Lower Upper

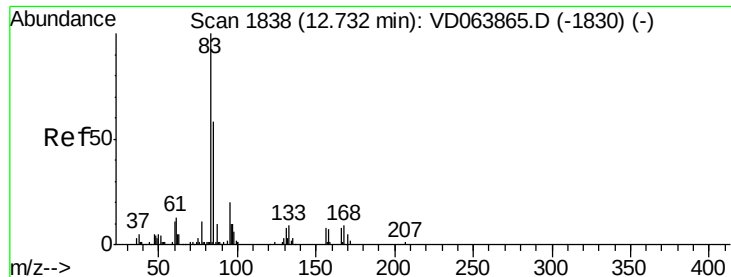
43 100

70 45.3 35.8 53.6

55 25.1 19.4 29.0

61 23.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.113 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

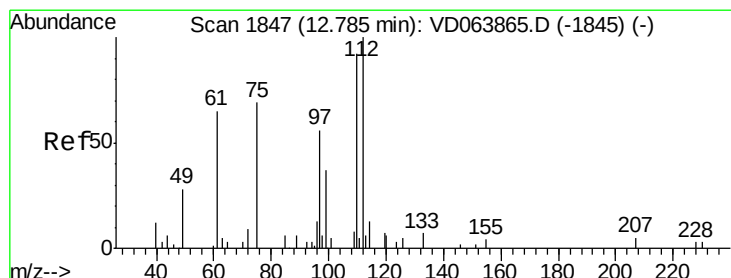
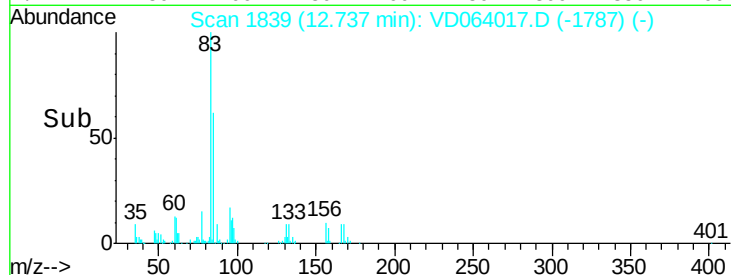
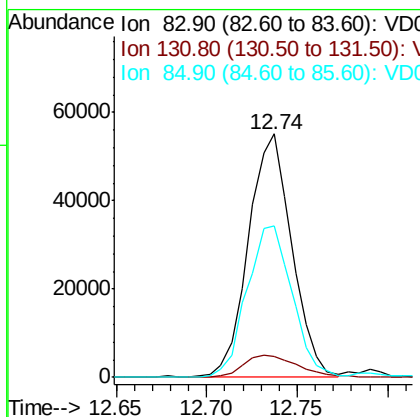
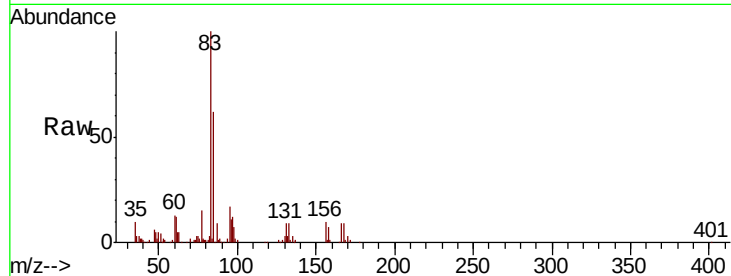
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	91800
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	65.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 54.943 ug/l m

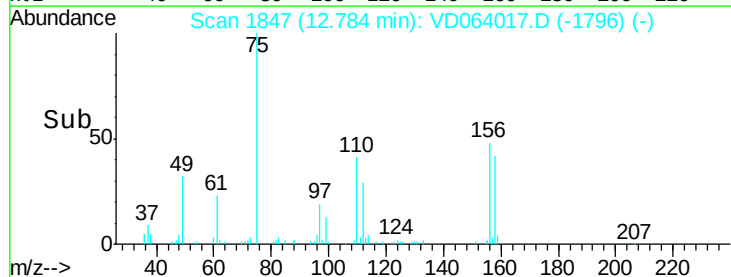
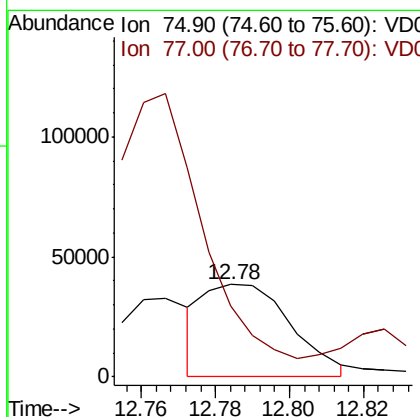
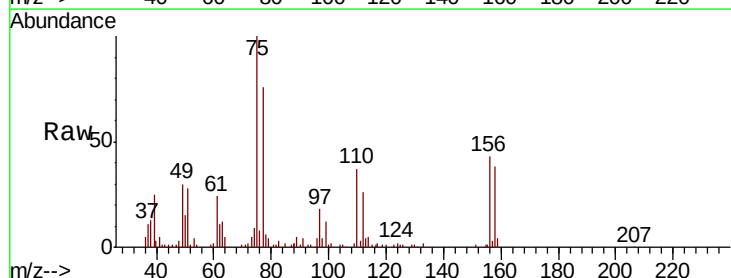
RT: 12.78 min Scan# 1847

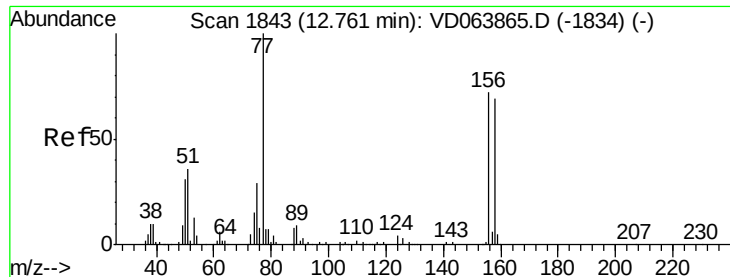
Delta R.T. -0.00 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion:	75	Resp:	62624
Ion Ratio	Lower	Upper	
75	100		
77	342.1	0.0	0.0#





#77

Bromobenzene

Concen: 49.679 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 141598

Ion Ratio Lower Upper

156 100

77 151.3 80.3 241.0

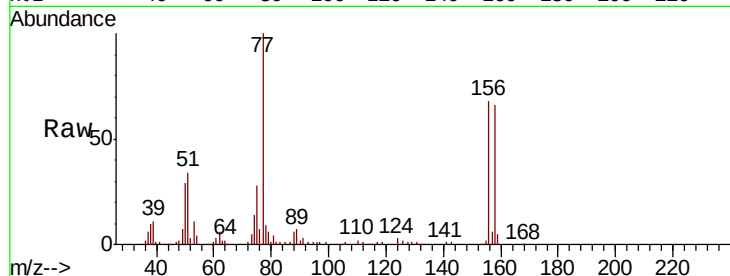
158 97.8 47.4 142.2

Manual Integrations

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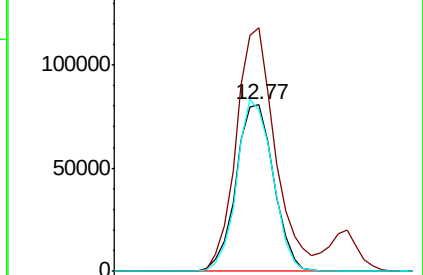
10/24/2019 4:53:14 PM



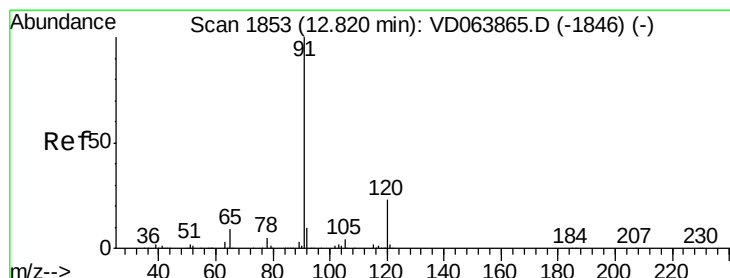
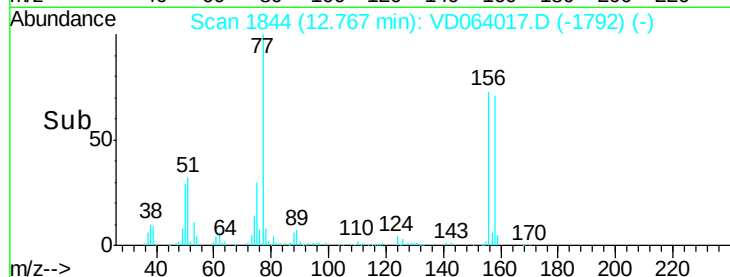
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 51.940 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064017.D

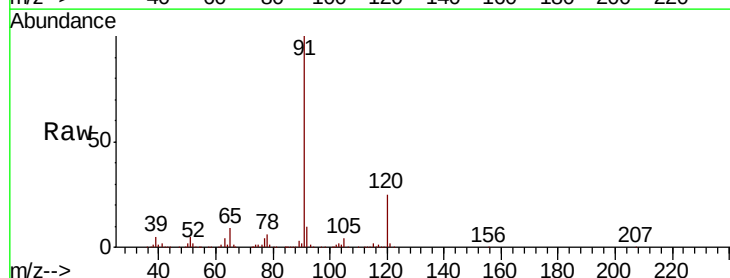
Acq: 23 Oct 2019 13:20

Tgt Ion: 91 Resp: 697476

Ion Ratio Lower Upper

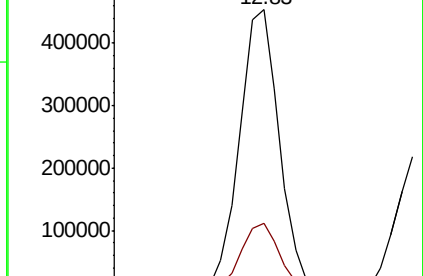
91 100

120 24.6 12.0 36.0

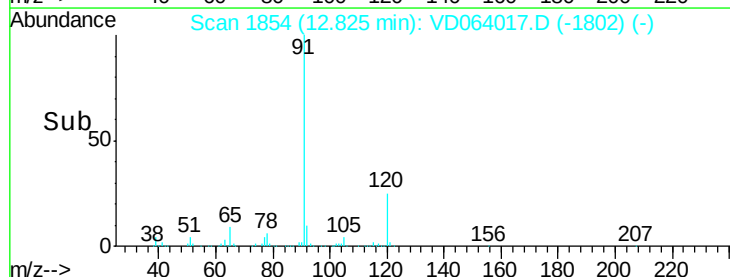


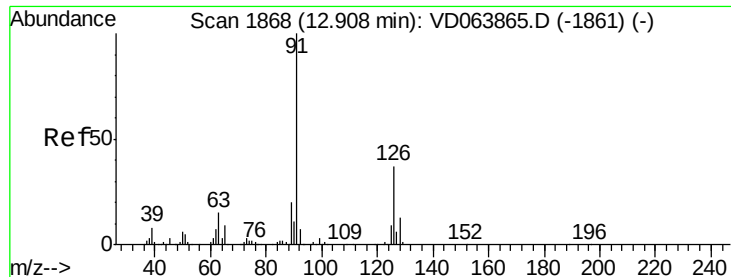
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 50.228 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 371908

Ion Ratio Lower Upper

91 100

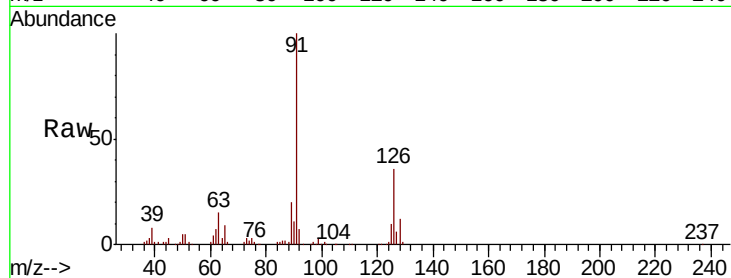
126 38.1 18.4 55.2

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Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1861) (-)

300000

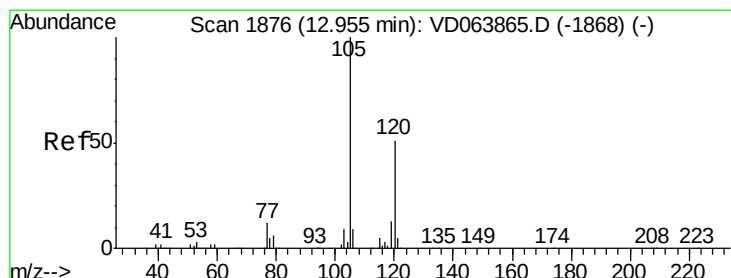
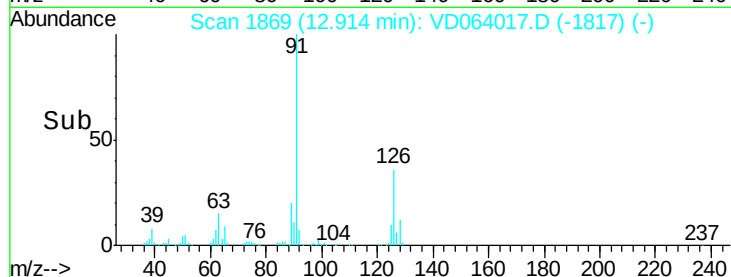
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.743 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064017.D

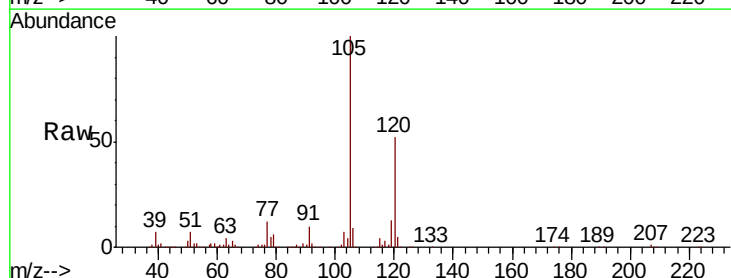
Acq: 23 Oct 2019 13:20

Tgt Ion: 105 Resp: 503398

Ion Ratio Lower Upper

105 100

120 50.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD063865.D (-1868) (-)

300000

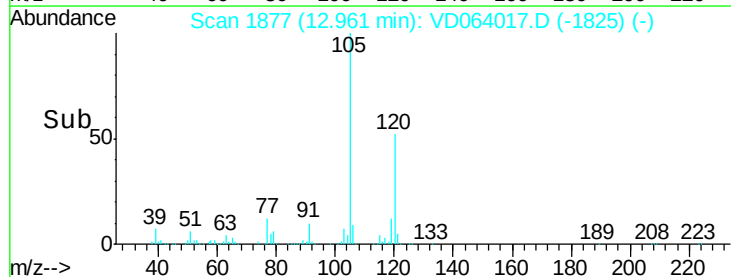
200000

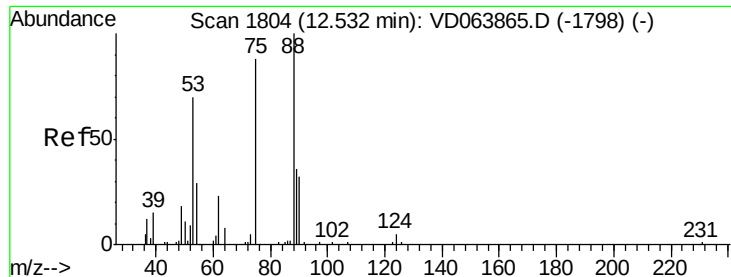
100000

0

12.90 12.95 13.00

Time-->





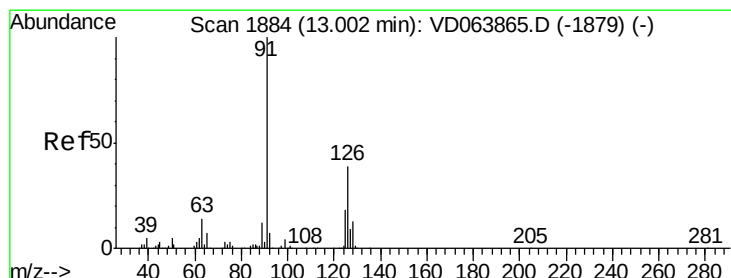
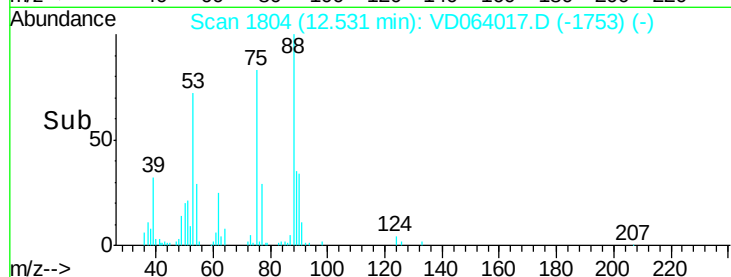
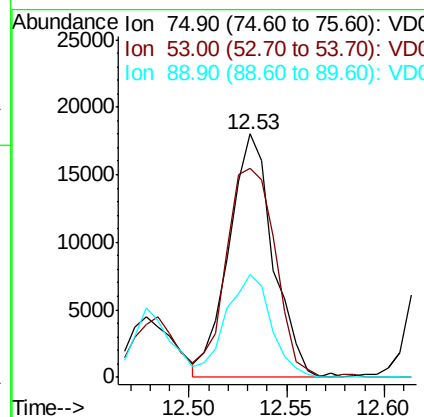
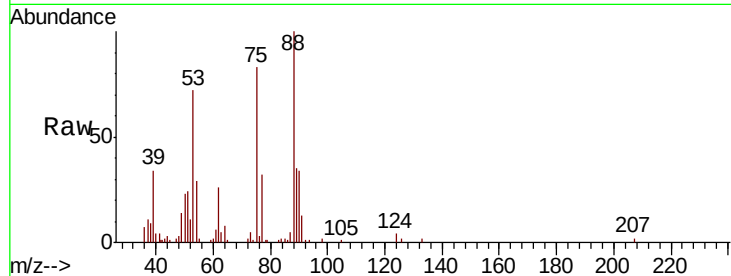
#81
trans-1,4-Dichloro-2-butene
Concen: 44.019 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	75.0	112.6
89	43.1	38.2	57.4

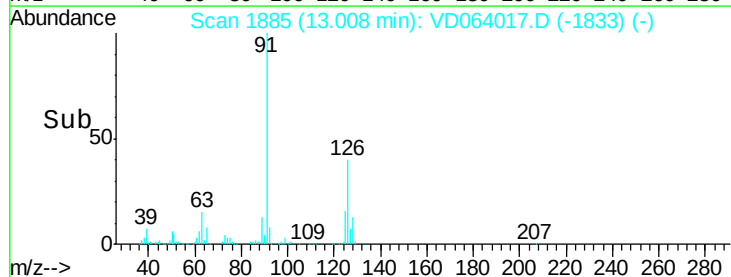
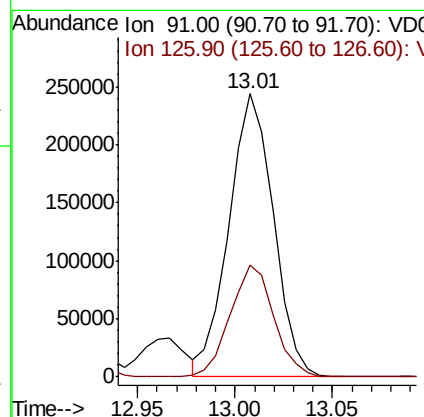
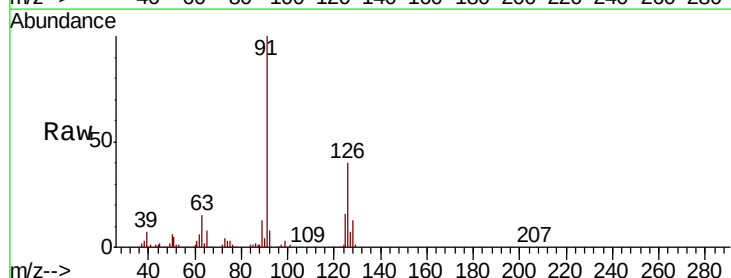
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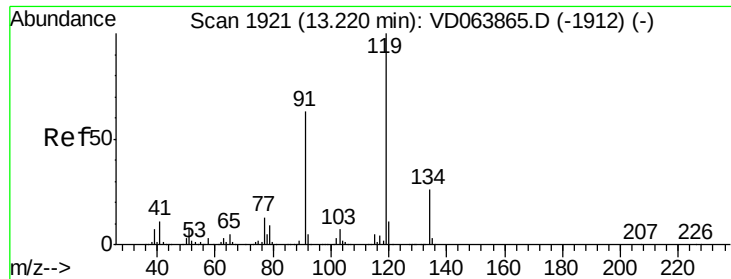
MMDadoda
10/24/2019 4:53:14 PM



#82
4-Chlorotoluene
Concen: 48.970 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.9	18.6	55.8





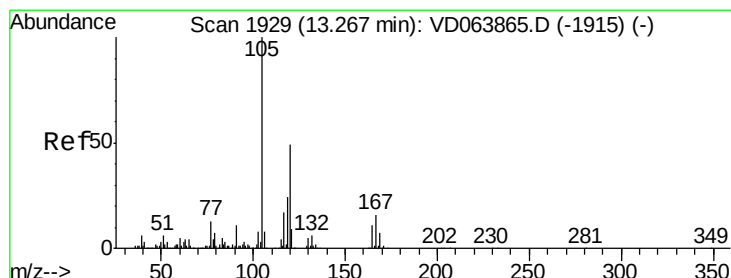
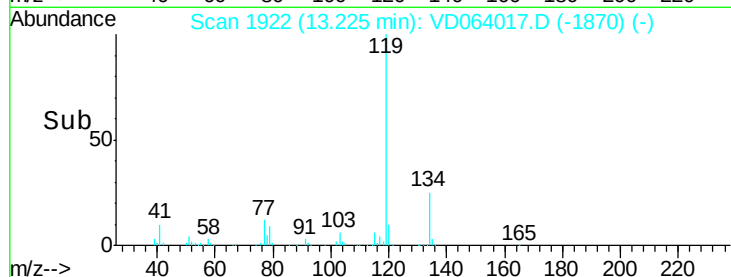
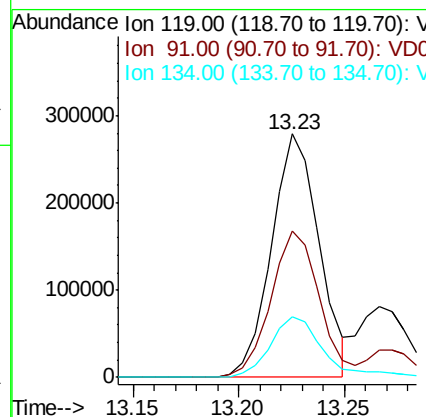
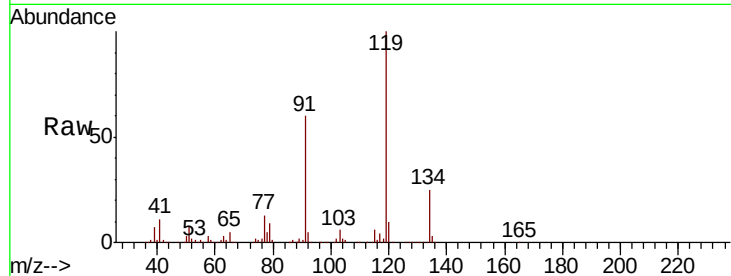
#83
 tert-Butylbenzene
 Concen: 51.544 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.0	90.0
134	27.7	13.0	38.9

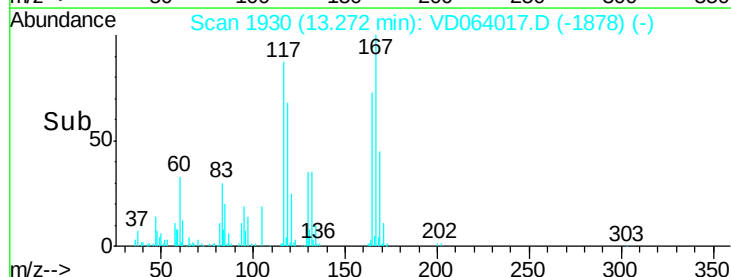
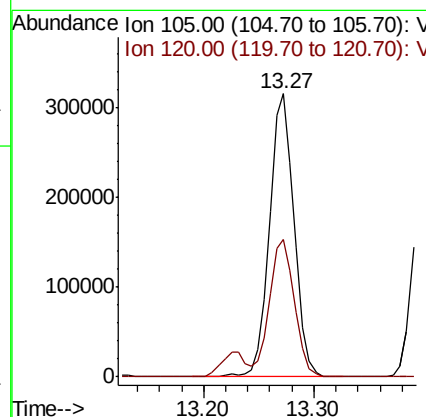
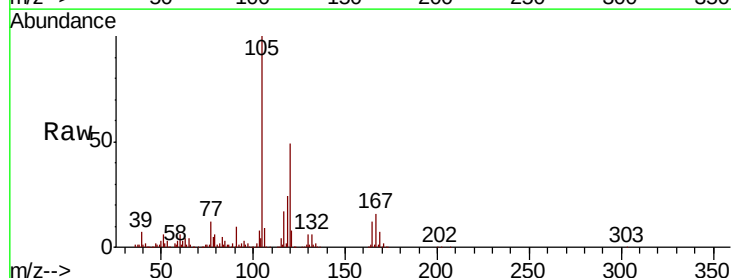
Manual Integrations
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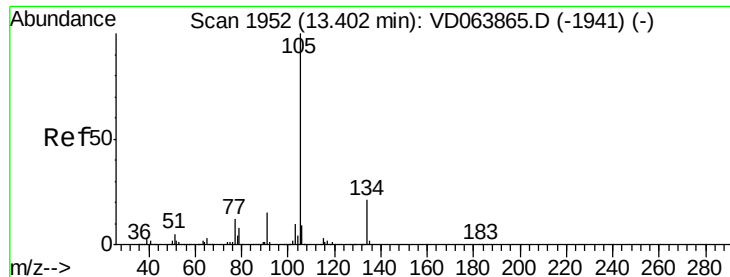
MMDadoda
 10/24/2019 4:53:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.937 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	23.8	71.5





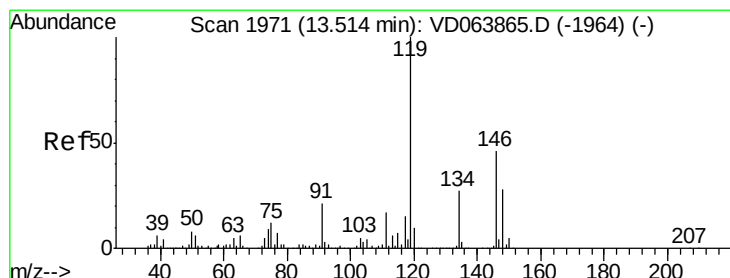
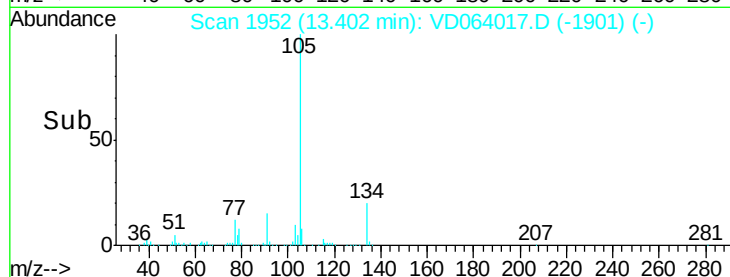
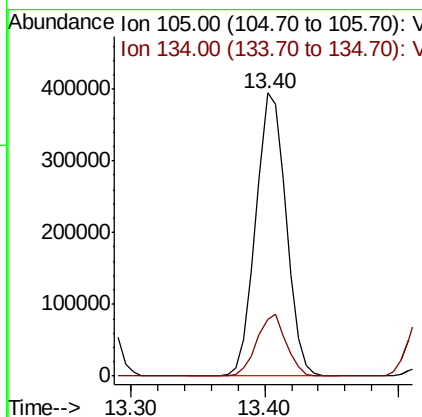
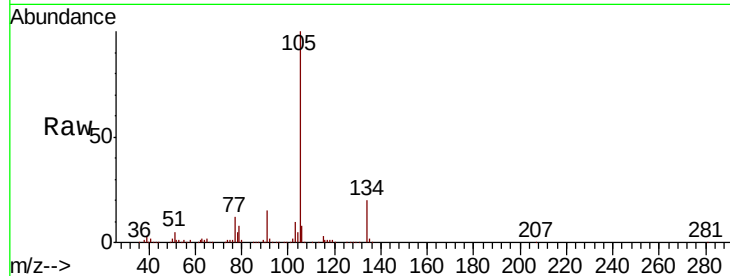
#85
 sec-Butylbenzene
 Concen: 53.720 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.6	31.8

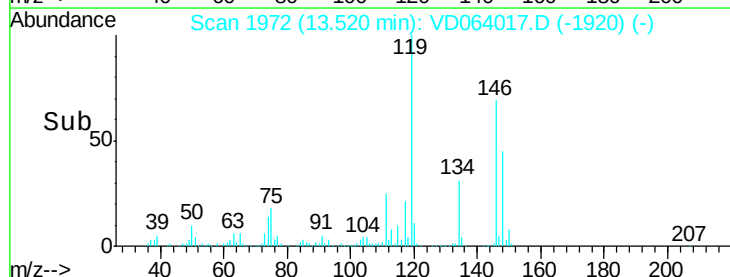
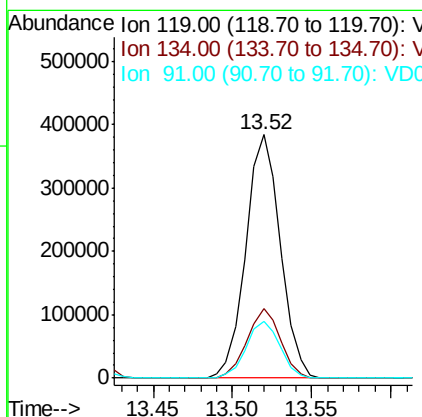
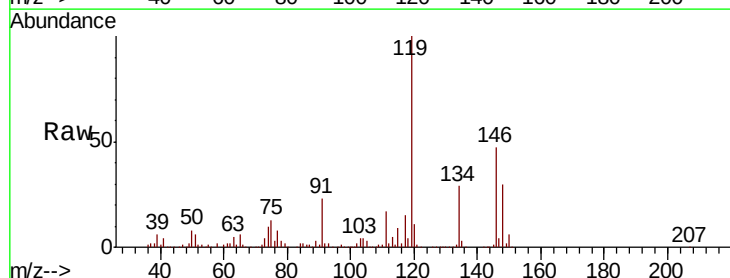
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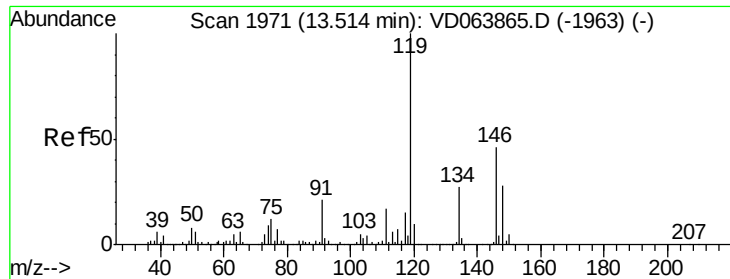
MMDadoda
 10/24/2019 4:53:14 PM



#86
 p-Isopropyltoluene
 Concen: 53.419 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.9	41.6
91	22.7	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 51.613 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

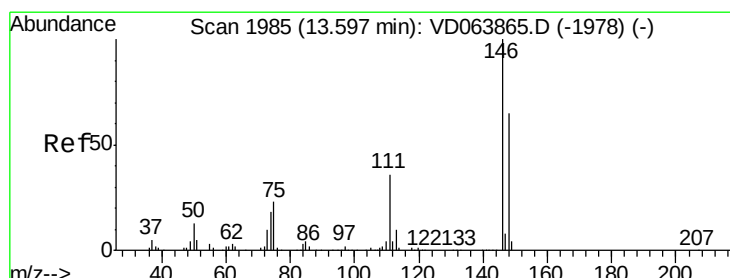
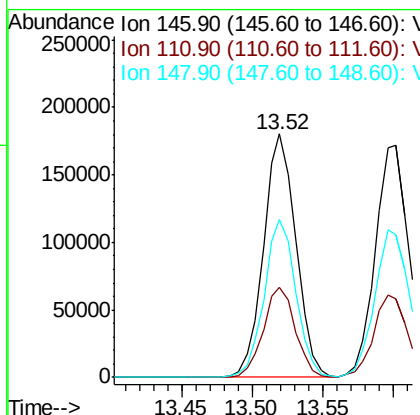
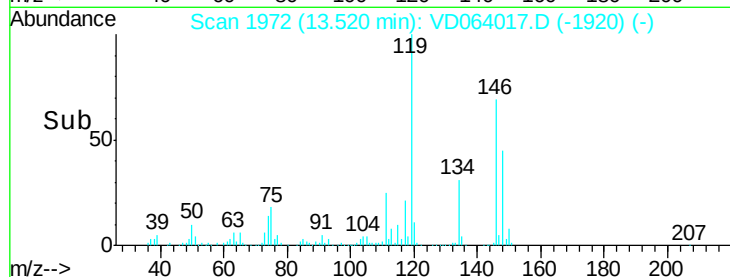
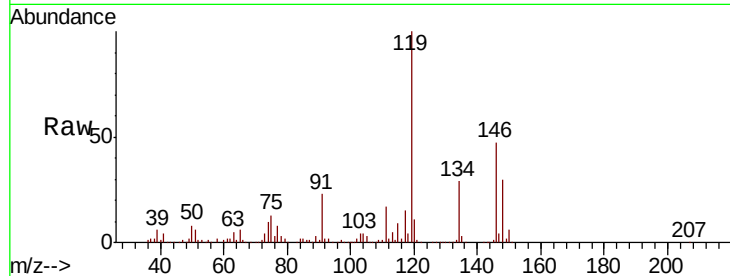
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	290675		
111	36.7	18.3	54.9	
148	63.4	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.152 ug/l

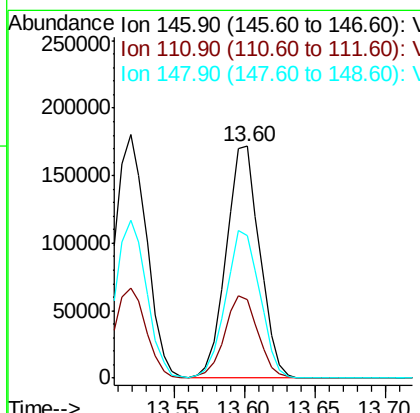
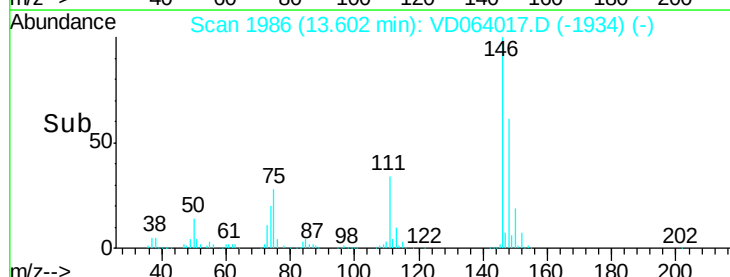
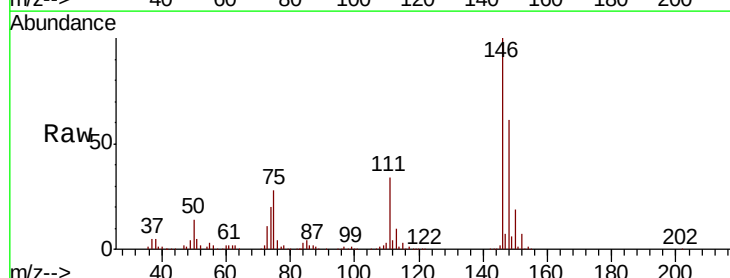
RT: 13.60 min Scan# 1986

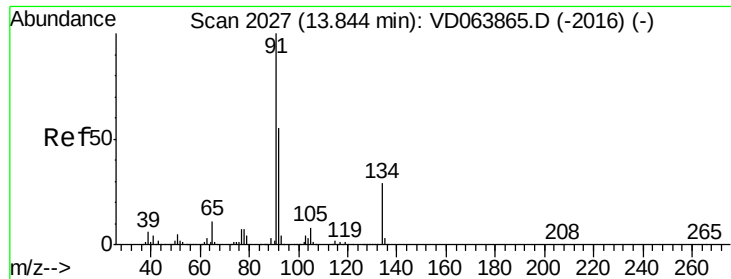
Delta R.T. 0.01 min

Lab File: VD064017.D

Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	284202		
111	35.4	18.6	56.0	
148	64.8	32.6	98.0	





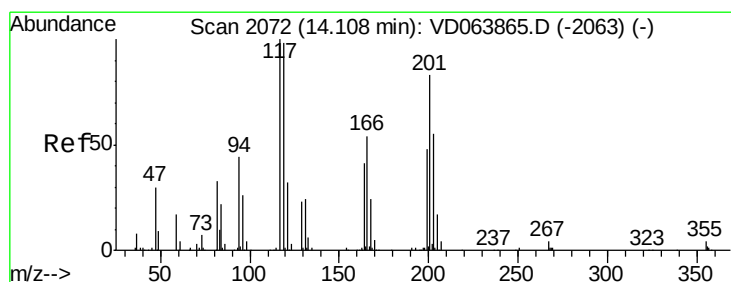
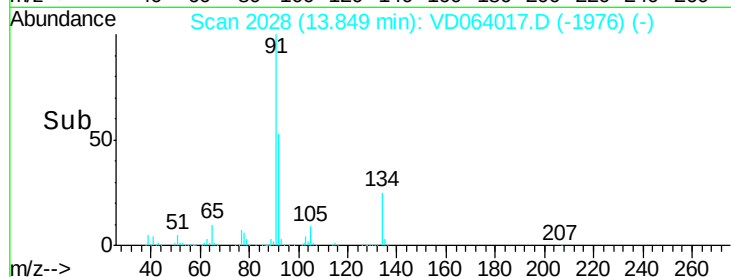
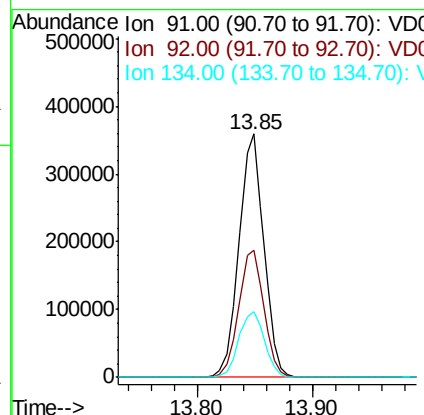
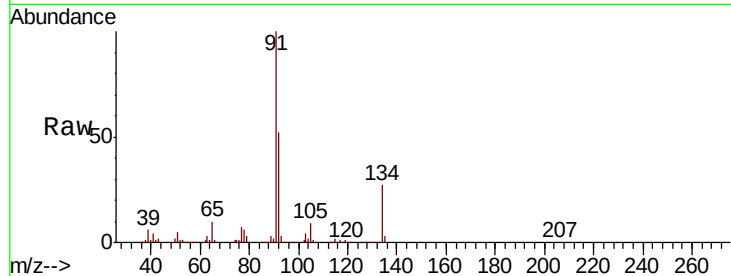
#89
n-Butylbenzene
Concen: 52.728 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	28.0	14.4	43.0

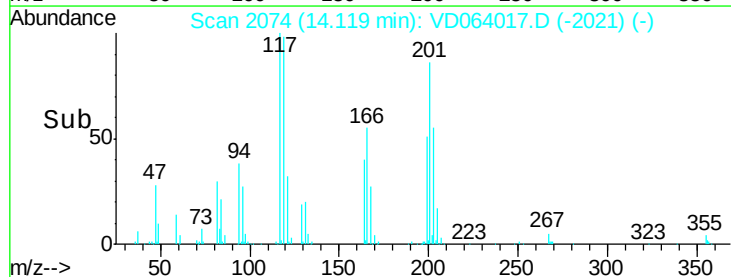
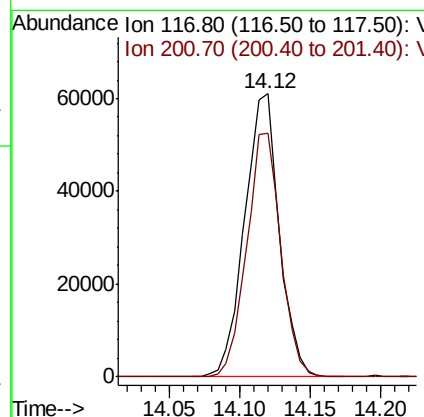
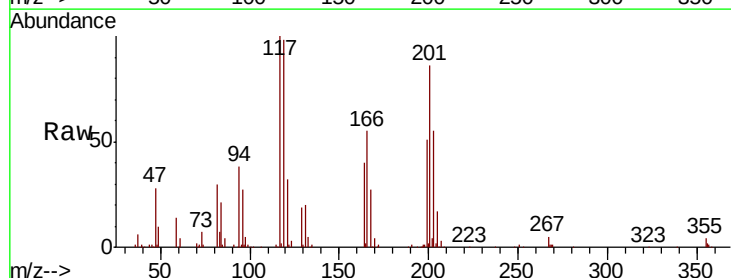
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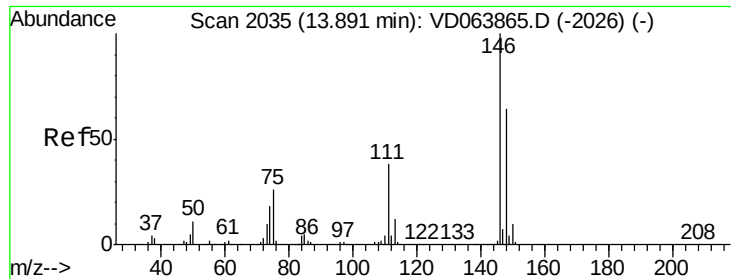
MMDadoda
10/24/2019 4:53:14 PM



#90
Hexachloroethane
Concen: 53.778 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	40.6	121.7





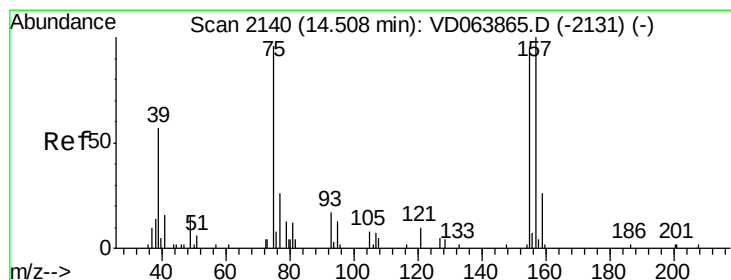
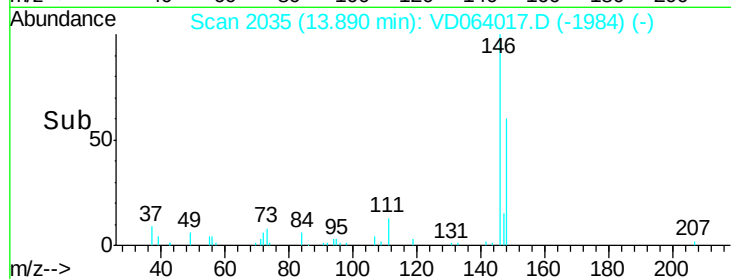
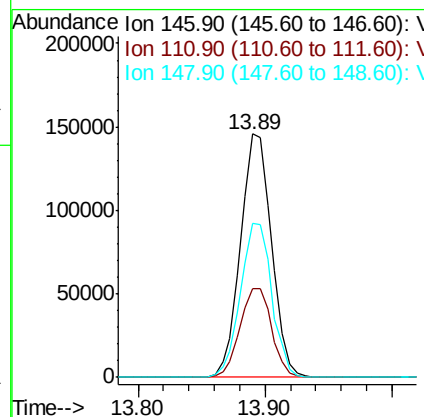
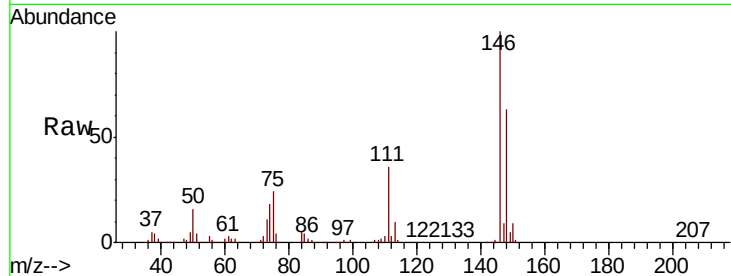
#91
 1,2-Dichlorobenzene
 Concen: 50.923 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	63.8	31.6	95.0

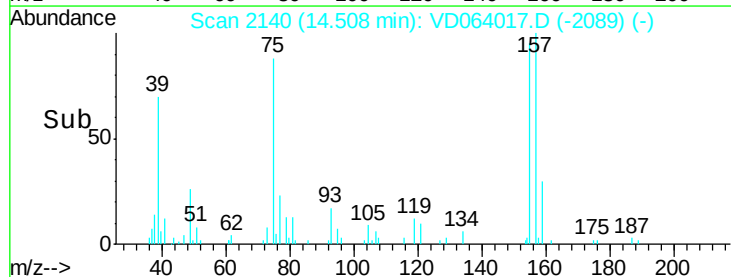
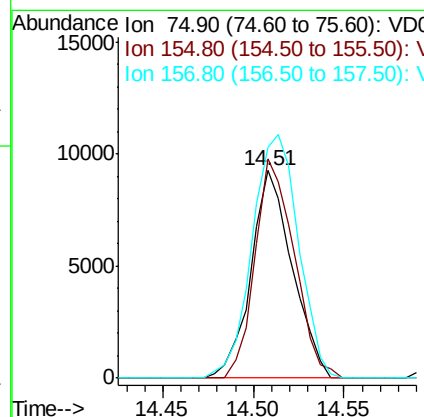
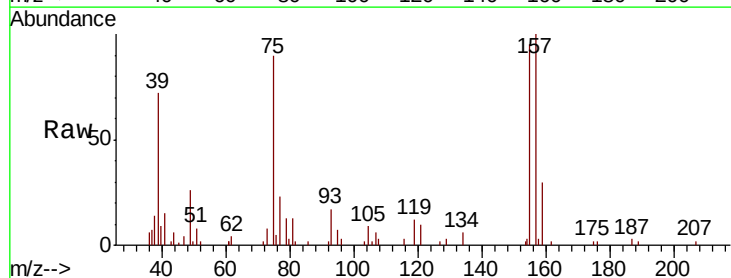
Manual Integrations
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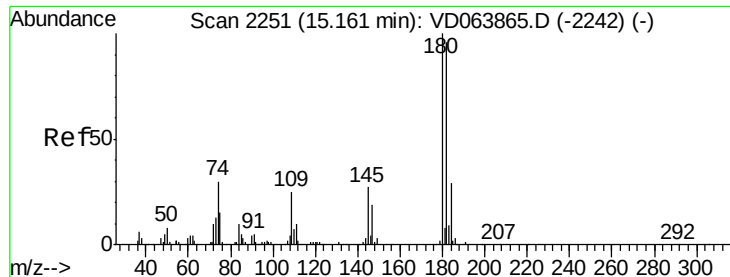
MMDadoda
 10/24/2019 4:53:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.425 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	43.9	131.6
157	131.5	56.0	167.9





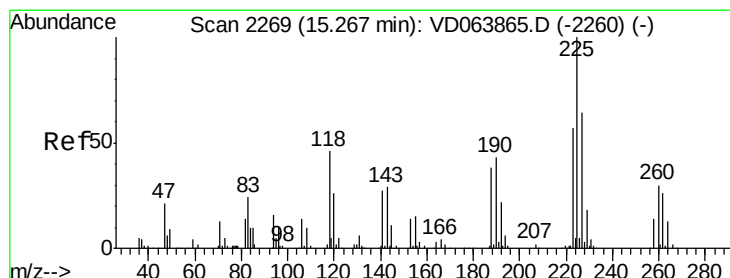
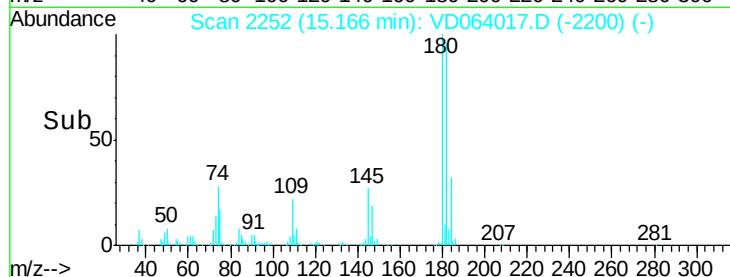
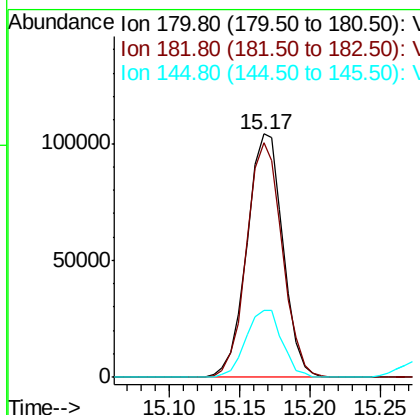
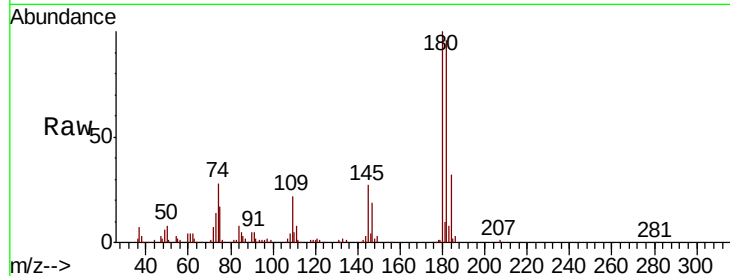
#93
 1,2,4-Trichlorobenzene
 Concen: 49.687 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186072		
182	95.5	47.4	142.3	
145	27.9	13.9	41.7	

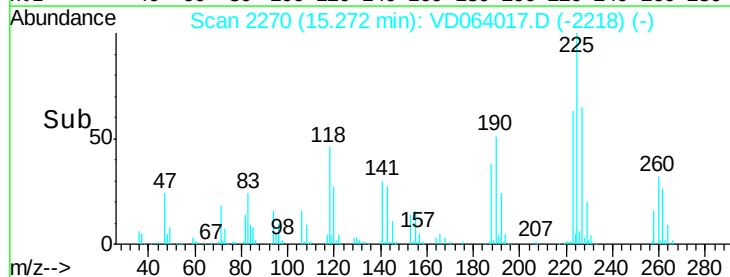
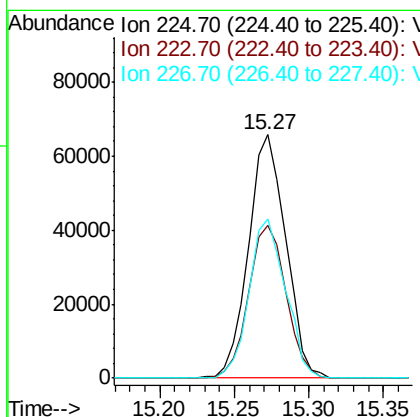
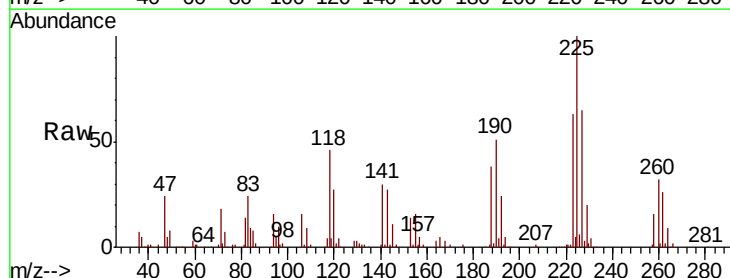
Manual Integrations
 APPROVED

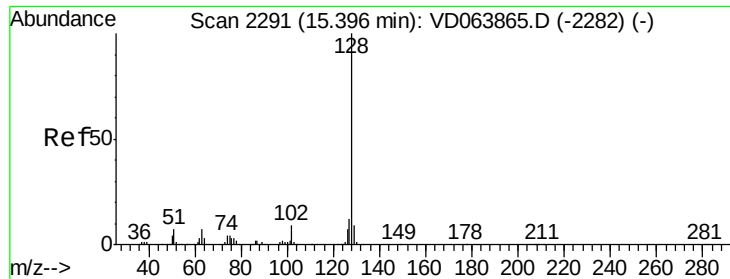
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.992 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064017.D
 Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113645		
223	63.3	29.5	88.6	
227	64.2	30.8	92.4	





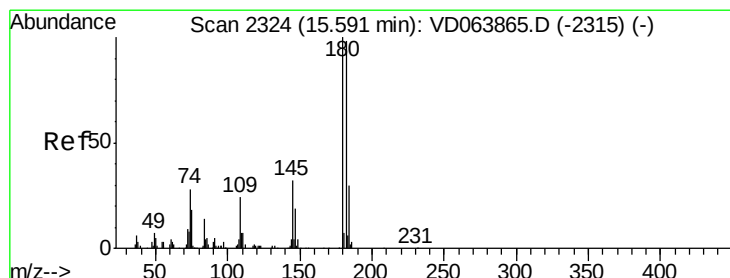
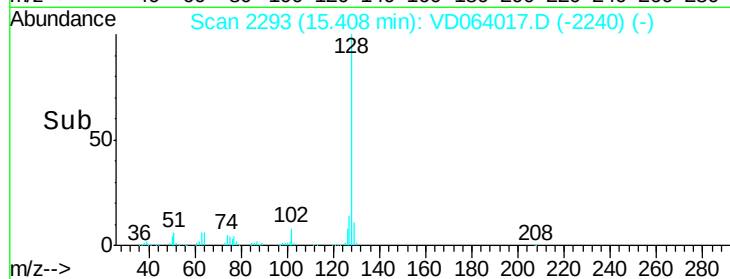
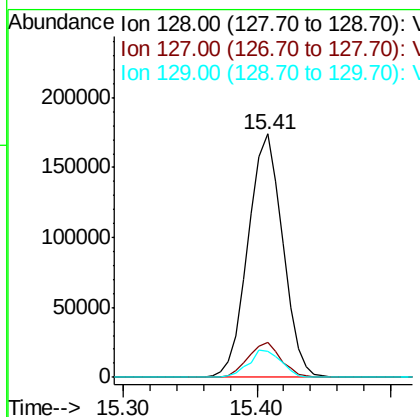
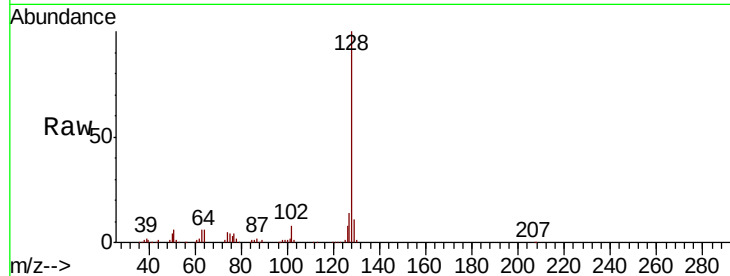
#95
Naphthalene
Concen: 49.447 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	311233		
127	13.7		10.6	16.0
129	10.7		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 49.929 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064017.D
Acq: 23 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	161322		
182	96.5		47.0	141.0
145	29.6		15.3	45.9

