

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063861.D
 Acq On : 02 Oct 2019 15:00
 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
 10/3/2019 12:54:24 PM

Quant Time: Oct 03 04:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	200089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	90247	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.91	113	89435	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
50) Toluene-d8	10.34	98	356099	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
62) 4-Bromofluorobenzene	12.63	95	125347	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48886	35.004	ug/l	93
3) Chloromethane	2.21	50	182601	43.245	ug/l	97
4) Vinyl Chloride	2.35	62	206189	47.729	ug/l	96
5) Bromomethane	2.77	94	111958	43.835	ug/l	99
6) Chloroethane	2.92	64	135040	45.519	ug/l	96
7) Trichlorofluoromethane	3.27	101	279501	48.412	ug/l	94
8) Diethyl Ether	3.70	74	45944	48.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	77185	45.739	ug/l	97
10) Methyl Iodide	4.29	142	100391	48.862	ug/l	98
11) Tert butyl alcohol	5.26	59	35520	238.411	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	73880	43.214	ug/l	92
13) Acrolein	3.93	56	32463	181.331	ug/l	94
14) Allyl chloride	4.70	41	130938	47.943	ug/l	98
15) Acrylonitrile	5.43	53	103335	248.075	ug/l	99
16) Acetone	4.16	43	110417	245.325	ug/l	99
17) Carbon Disulfide	4.40	76	262070	44.967	ug/l	97
18) Methyl Acetate	4.71	43	48887	46.713	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	211036	49.035	ug/l	100
20) Methylene Chloride	4.95	84	102540	39.948	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	94369	47.010	ug/l	98
22) Diisopropyl ether	6.36	45	281033	50.159	ug/l	94
23) Vinyl Acetate	6.30	43	842881	252.910	ug/l	99
24) 1,1-Dichloroethane	6.26	63	164301	48.032	ug/l	94
25) 2-Butanone	7.22	43	143217	250.617	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151685	47.941	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109079	48.674	ug/l	98
28) Bromochloromethane	7.54	49	63891	48.568	ug/l	97
29) Tetrahydrofuran	7.56	42	85637	256.470	ug/l	96
30) Chloroform	7.71	83	179819	48.648	ug/l	96
31) Cyclohexane	7.98	56	146406	43.604	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	158341	47.508	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139899	47.591	ug/l	99
37) Ethyl Acetate	7.30	43	57744	46.020	ug/l #	79
38) Carbon Tetrachloride	8.10	117	144262	47.478	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164993	45.201	ug/l	91
40) Benzene	8.35	78	396374	48.632	ug/l	95
41) Methacrylonitrile	7.53	41	28813	40.608	ug/l	97
42) 1,2-Dichloroethane	8.43	62	116769	48.906	ug/l	98
43) Isopropyl Acetate	8.46	43	122059	49.302	ug/l	96
44) Trichloroethene	9.11	130	112171	47.432	ug/l	89
45) 1,2-Dichloropropane	9.38	63	99957	49.572	ug/l	88
46) Dibromomethane	9.47	93	56839	49.854	ug/l	98
47) Bromodichloromethane	9.66	83	145025	49.524	ug/l #	98
48) Methyl methacrylate	9.46	41	53530	47.435	ug/l	94
49) 1,4-Dioxane	9.47	88	15033	930.894	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	310763	247.497	ug/l	96
52) Toluene	10.40	92	274388	49.539	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	144364	49.700	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	165980	50.459	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	82163	51.188	ug/l	91
56) Ethyl methacrylate	10.66	69	103599	50.619	ug/l	96
57) 1,3-Dichloropropane	10.94	76	137010	49.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	195581	213.900	ug/l	98
59) 2-Hexanone	10.98	43	224086	246.090	ug/l	99
60) Dibromochloromethane	11.14	129	107863	50.864	ug/l	95
61) 1,2-Dibromoethane	11.24	107	79620	49.439	ug/l	98
64) Tetrachloroethene	10.87	164	102782	48.044	ug/l	96
65) Chlorobenzene	11.67	112	309996	48.326	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	114688	48.731	ug/l	98
67) Ethyl Benzene	11.74	91	561232	48.684	ug/l	98
68) m/p-Xylenes	11.86	106	434190	97.590	ug/l	97
69) o-Xylene	12.18	106	205797	49.144	ug/l	98
70) Styrene	12.19	104	355005	49.909	ug/l	98
71) Bromoform	12.36	173	66386	51.005	ug/l #	99
73) Isopropylbenzene	12.48	105	554407	46.667	ug/l	98
74) N-amyl acetate	12.28	43	118597	45.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	90924	45.732	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	57818m	43.651	ug/l	
77) Bromobenzene	12.76	156	138728	48.327	ug/l	98
78) n-propylbenzene	12.82	91	650606	46.509	ug/l	99
79) 2-Chlorotoluene	12.91	91	356444	47.294	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	470296	47.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31592	47.523	ug/l	98
82) 4-Chlorotoluene	13.00	91	374367	46.397	ug/l	99
83) tert-Butylbenzene	13.23	119	415592	47.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	475156	47.273	ug/l	99
85) sec-Butylbenzene	13.40	105	561394	46.650	ug/l	100
86) p-Isopropyltoluene	13.51	119	542063	48.085	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	272053	48.361	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	269534	48.006	ug/l	99
89) n-Butylbenzene	13.84	91	505386	47.260	ug/l	99
90) Hexachloroethane	14.11	117	99890	47.924	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	240484	49.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16119	46.983	ug/l	93

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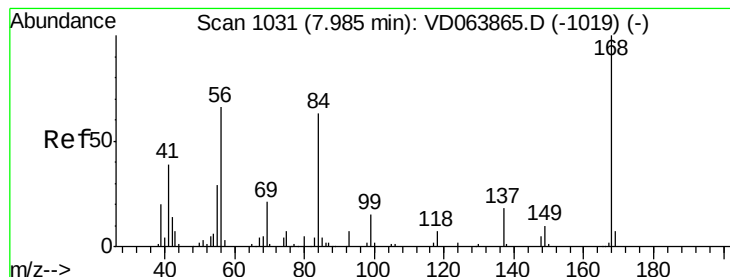
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	182112	49.625	ug/l	98
94) Hexachlorobutadiene	15.27	225	101387	48.821	ug/l	95
95) Naphthalene	15.40	128	328230	49.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	160247	49.221	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: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200089

Ion Ratio Lower Upper

168 100

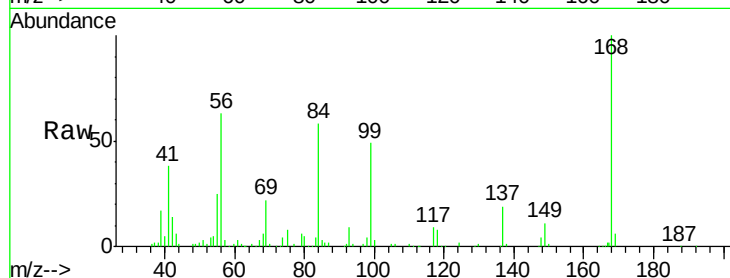
99 49.2 43.0 64.4

Manual Integrations

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10/3/2019 12:54:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

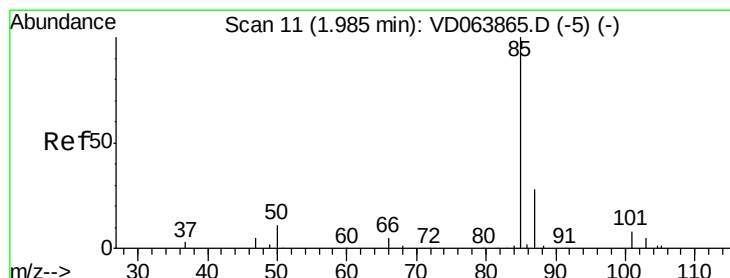
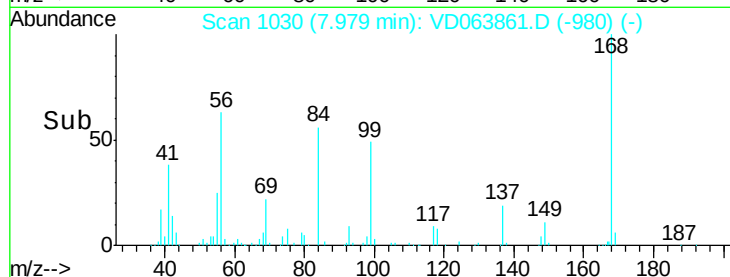
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 35.004 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063861.D

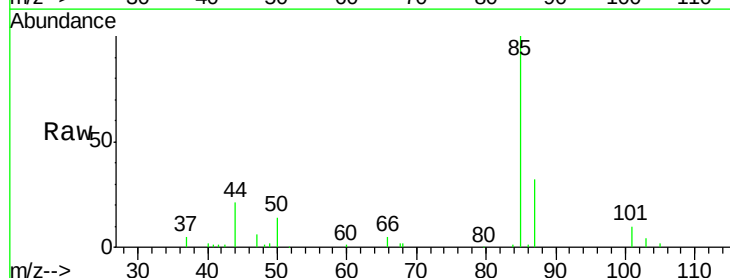
Acq: 02 Oct 2019 15:00

Tgt Ion: 85 Resp: 48886

Ion Ratio Lower Upper

85 100

87 31.7 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

30000

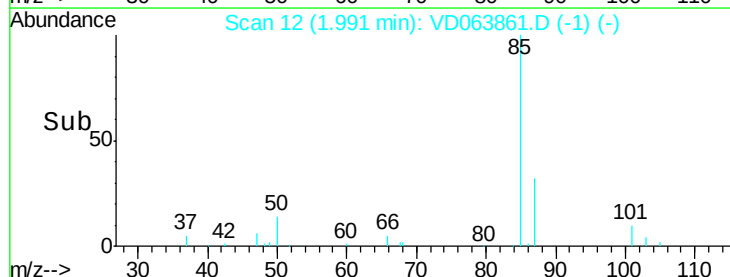
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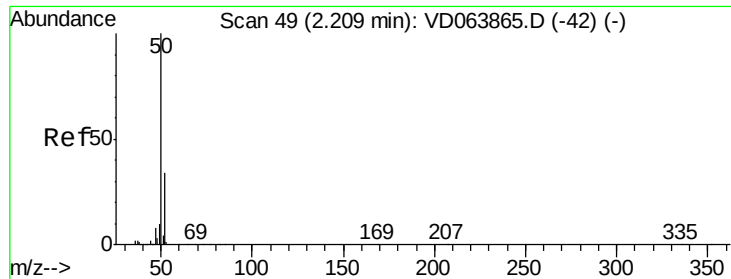
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.245 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 182601

Ion Ratio Lower Upper

50 100

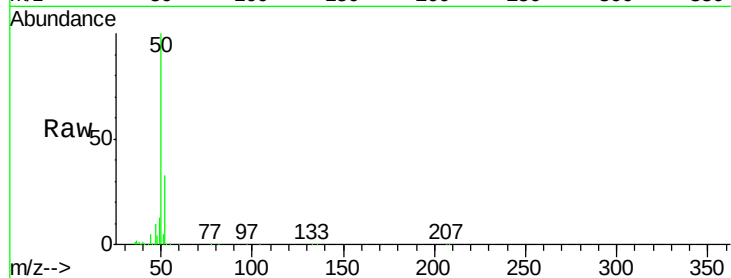
52 32.5 27.5 41.3

Manual Integrations

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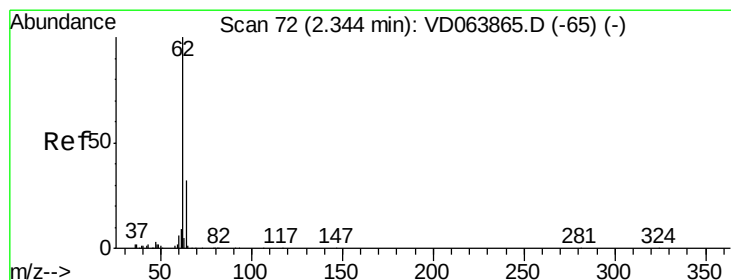
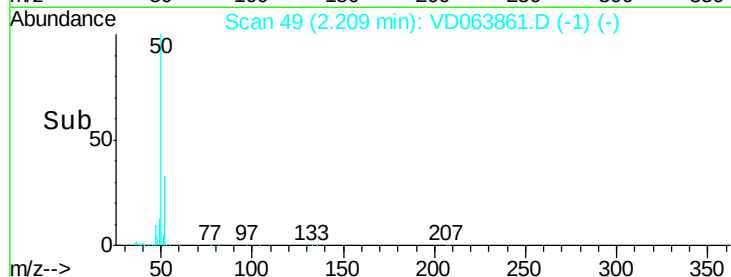
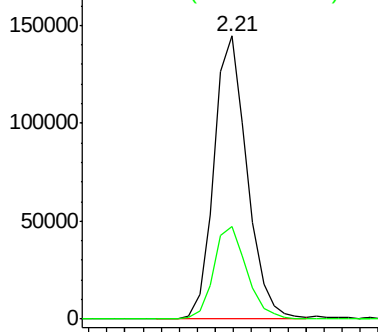
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.729 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063861.D

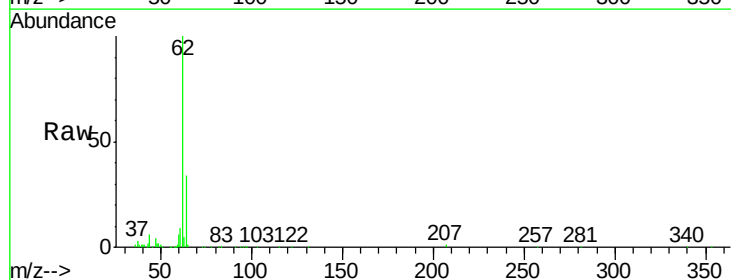
Acq: 02 Oct 2019 15:00

Tgt Ion: 62 Resp: 206189

Ion Ratio Lower Upper

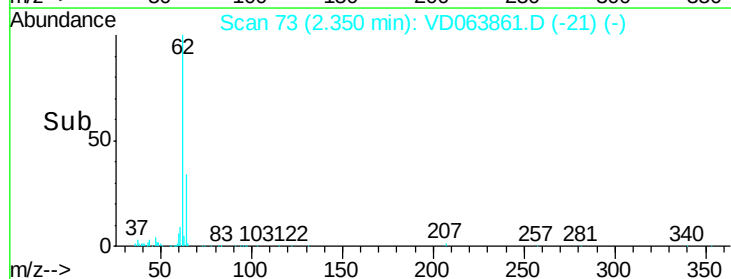
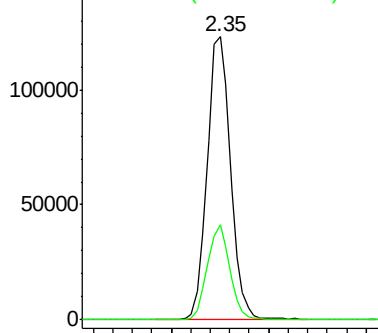
62 100

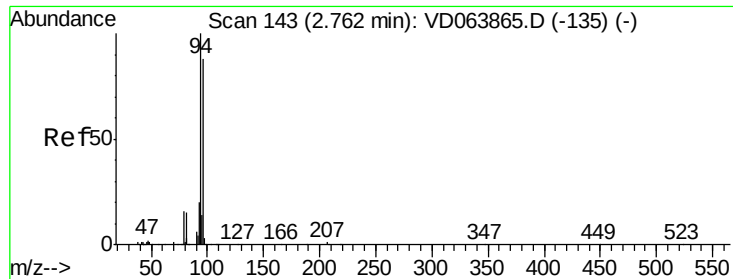
64 33.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.835 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 111958

Ion Ratio Lower Upper

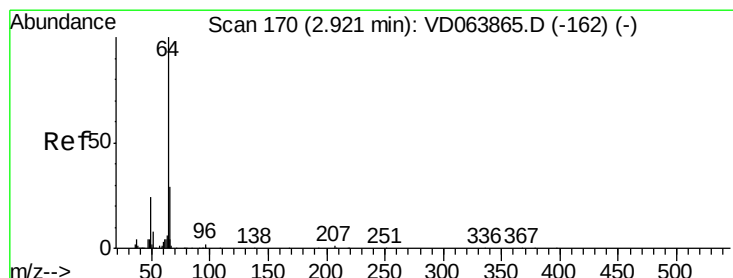
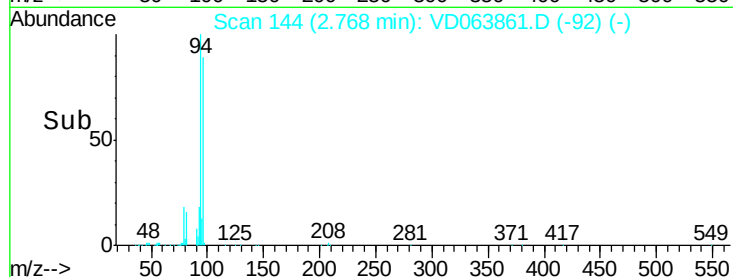
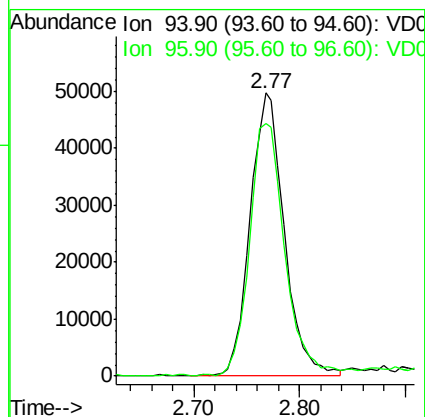
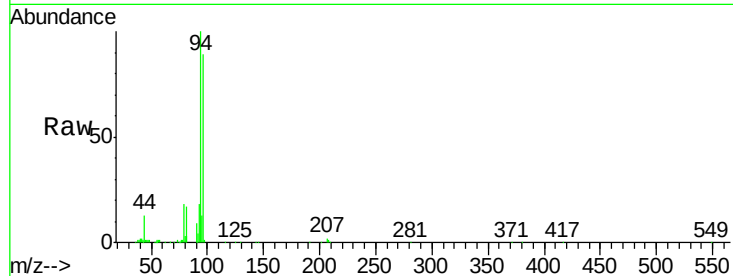
94 100

96 89.0 70.8 106.2

Manual Integrations
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#6

Chloroethane

Concen: 45.519 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063861.D

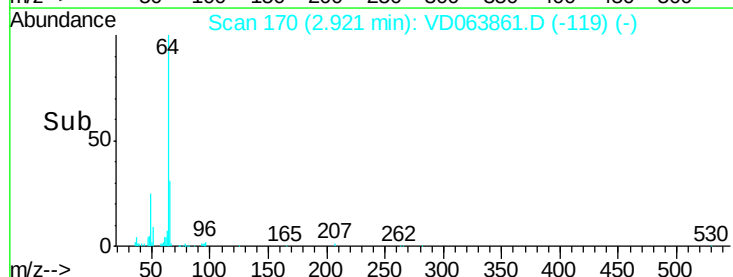
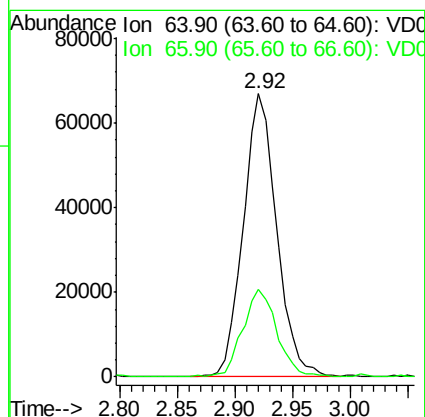
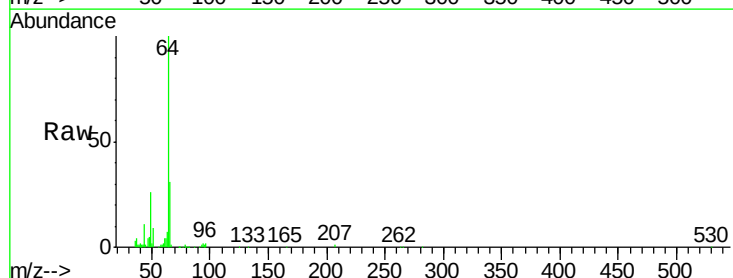
Acq: 02 Oct 2019 15:00

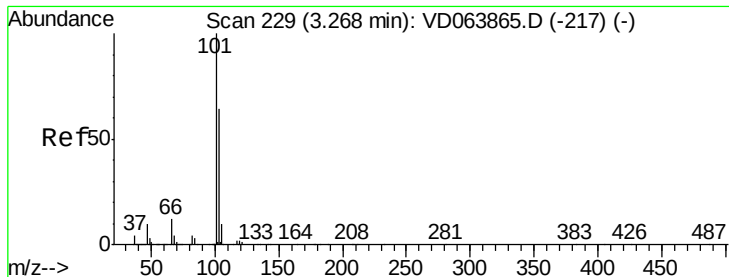
Tgt Ion: 64 Resp: 135040

Ion Ratio Lower Upper

64 100

66 30.9 23.0 34.4





#7

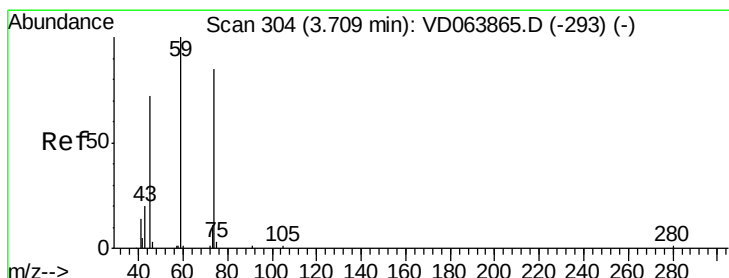
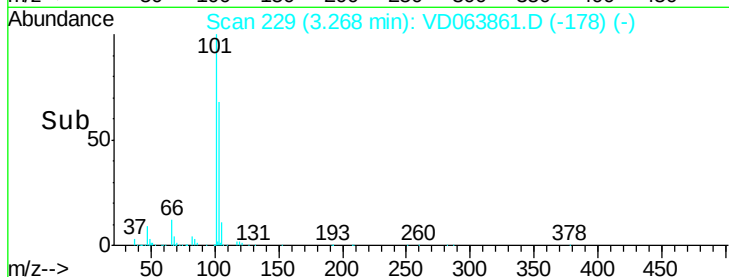
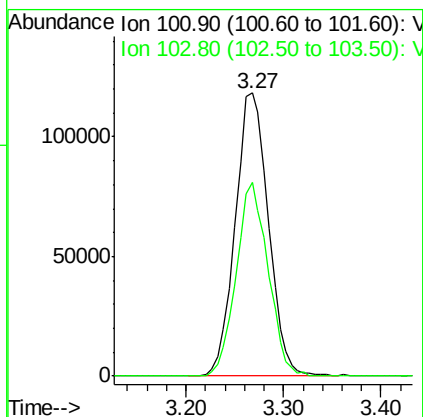
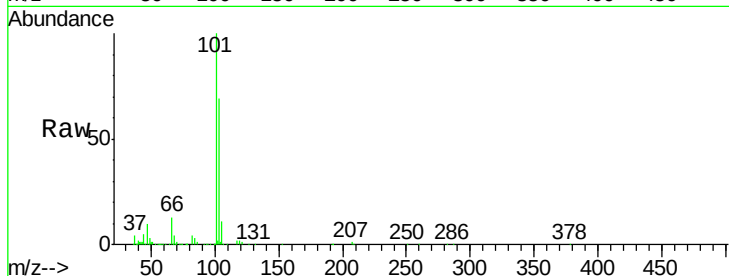
Trichlorofluoromethane
 Concen: 48.412 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	51.1	76.7

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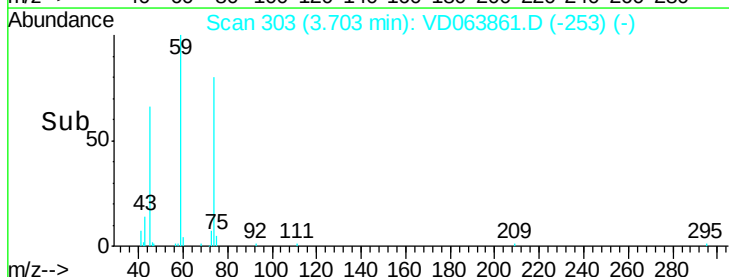
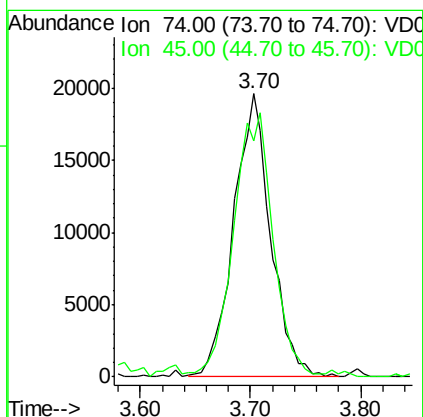
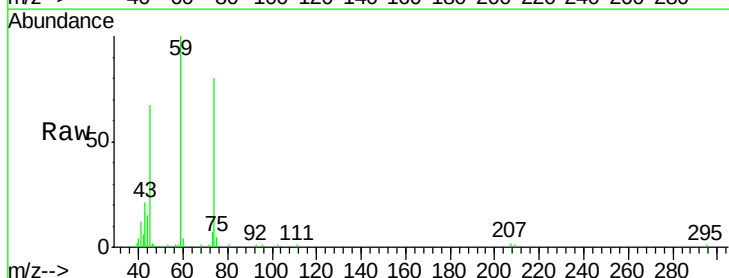
MMDadoda
 10/3/2019 12:54:24 PM

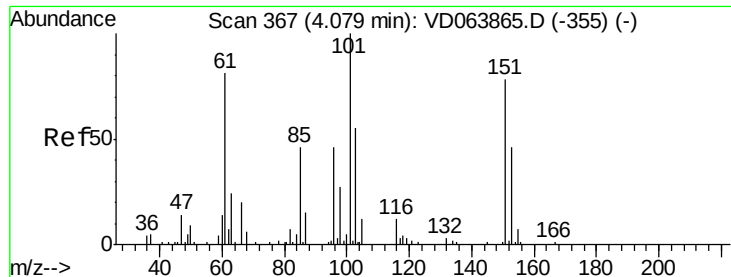


#8

Diethyl Ether
 Concen: 48.092 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.739 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

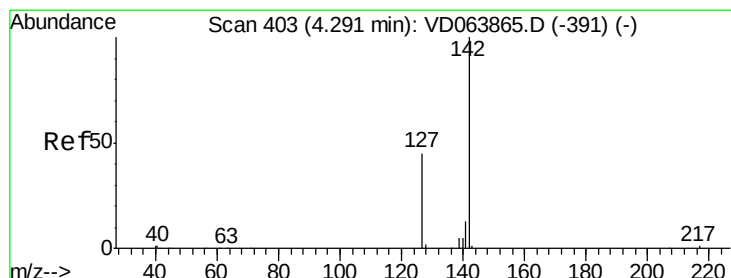
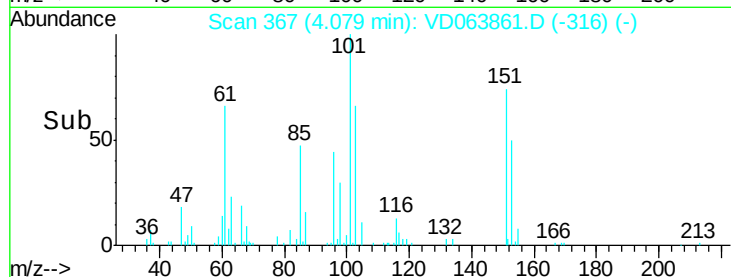
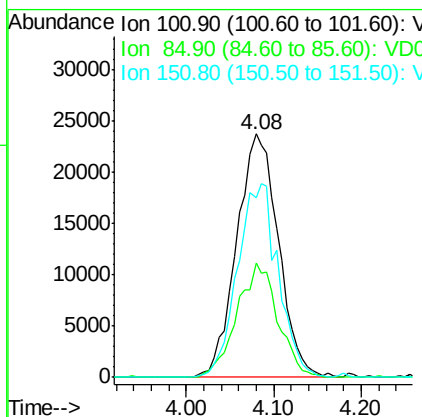
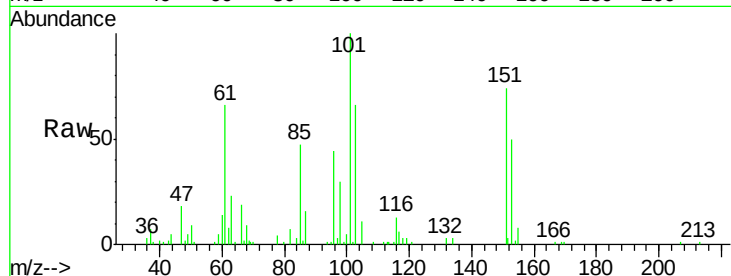
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	77185
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.5	56.3
151	77.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.862 ug/l

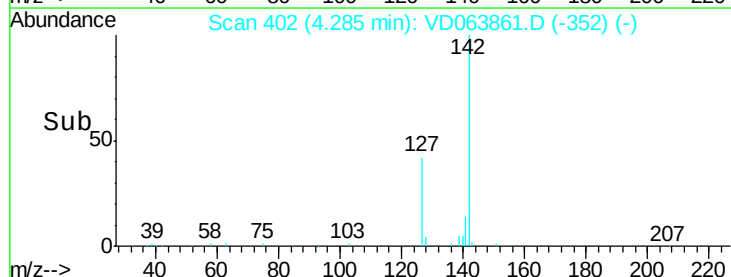
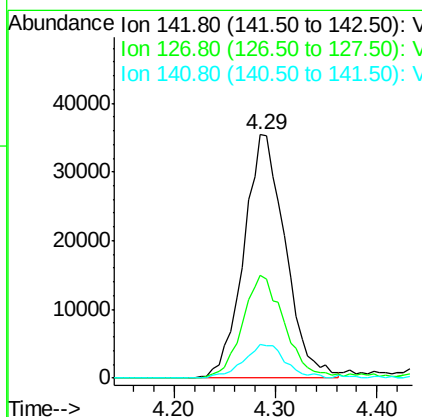
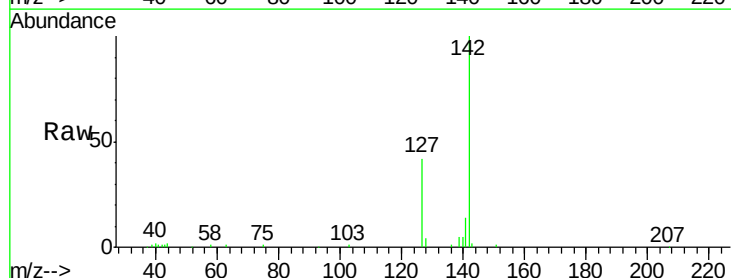
RT: 4.29 min Scan# 402

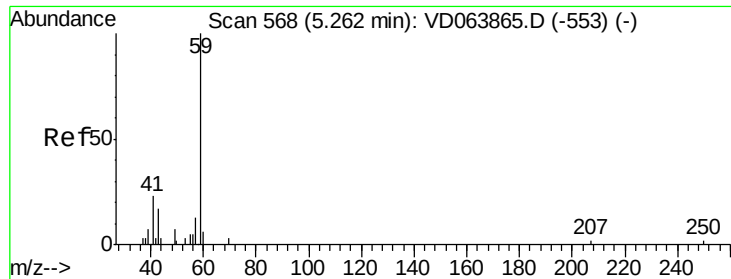
Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion:	142	Resp:	100391
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.3	52.9
141	14.1	12.2	18.2





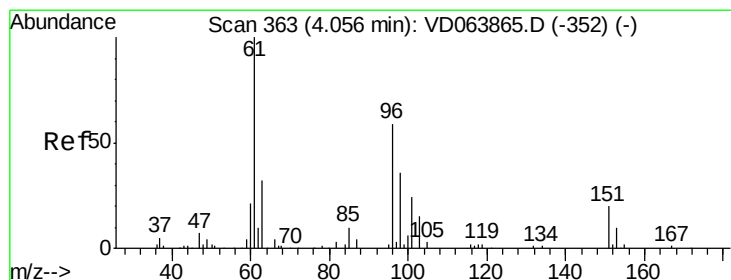
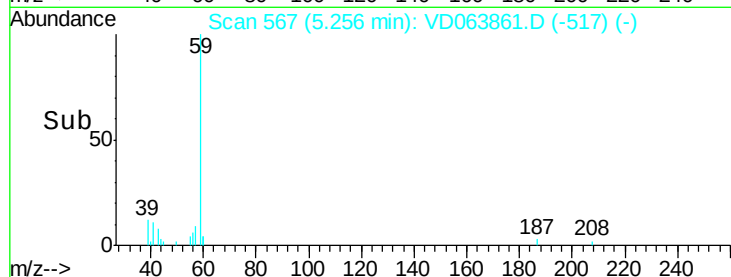
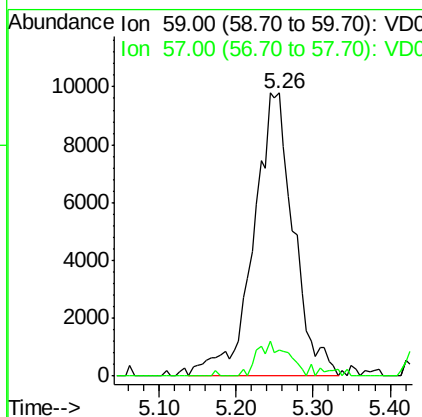
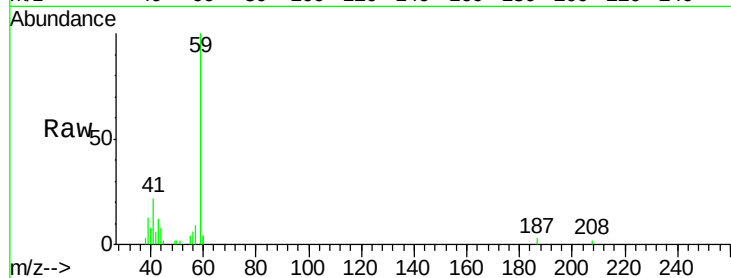
#11
Tert butyl alcohol
Concen: 238.411 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 35520
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

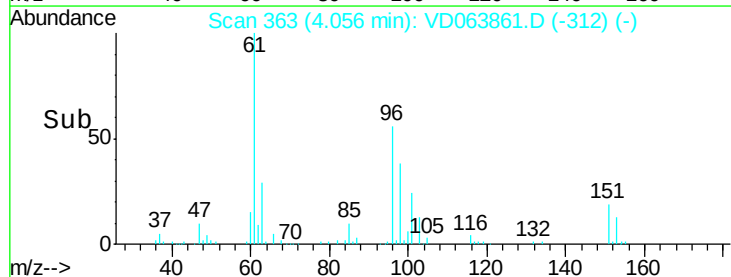
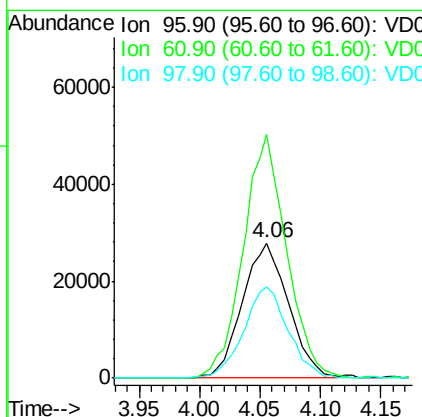
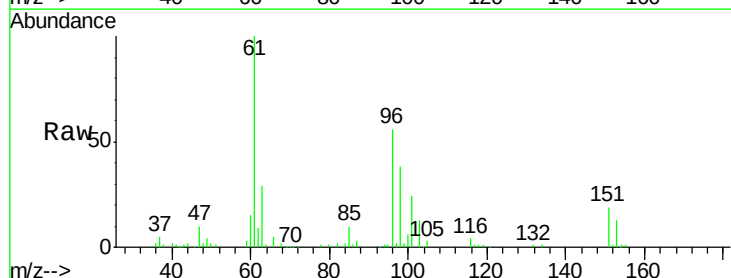
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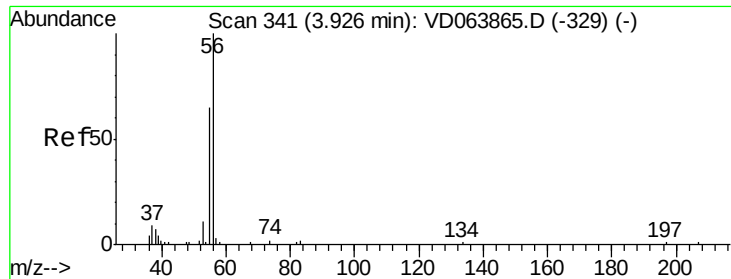
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#12
1,1-Dichloroethene
Concen: 43.214 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 96 Resp: 73880
Ion Ratio Lower Upper
96 100
61 179.8 135.6 203.4
98 67.4 49.2 73.8





#13

Acrolein

Concen: 181.331 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 32463

Ion Ratio Lower Upper

56 100

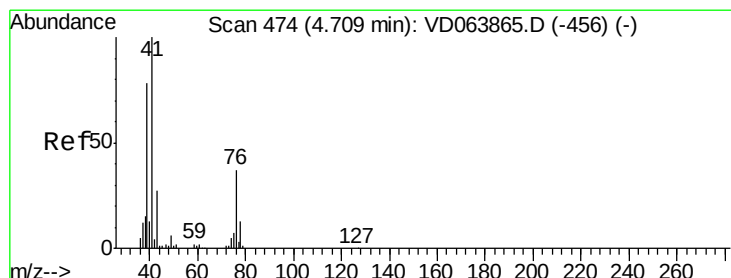
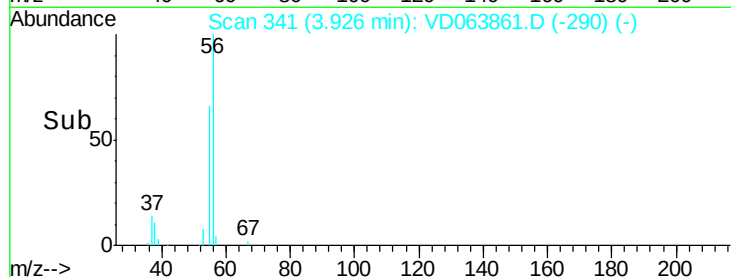
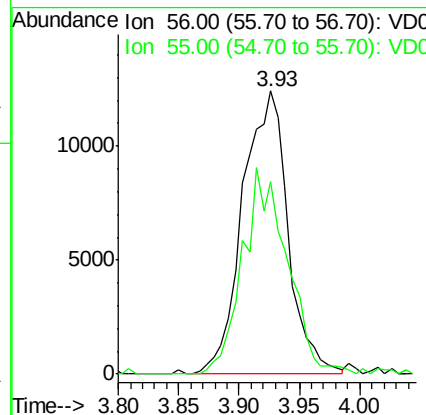
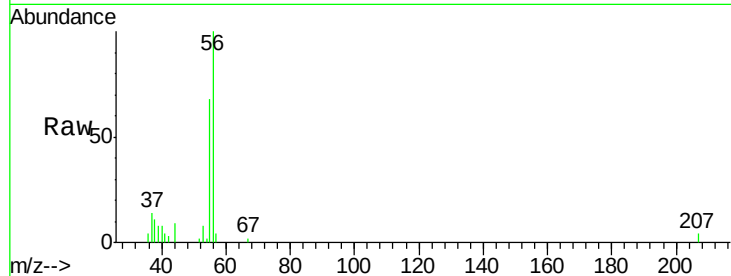
55 71.4 53.0 79.6

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#14

Allyl chloride

Concen: 47.943 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

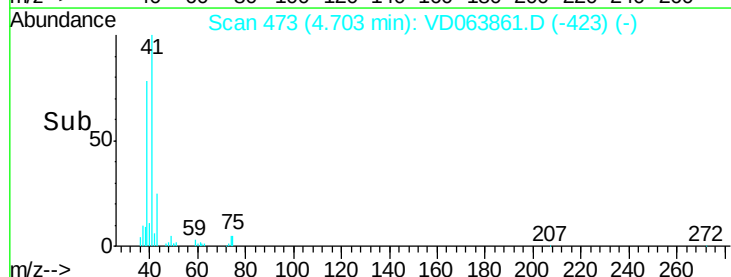
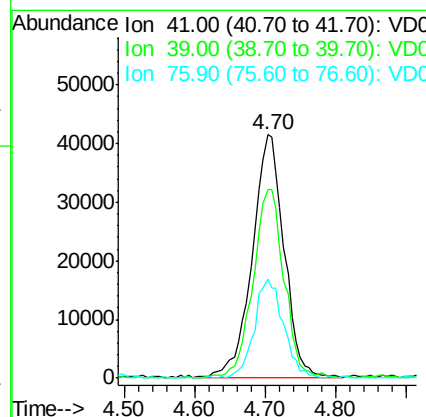
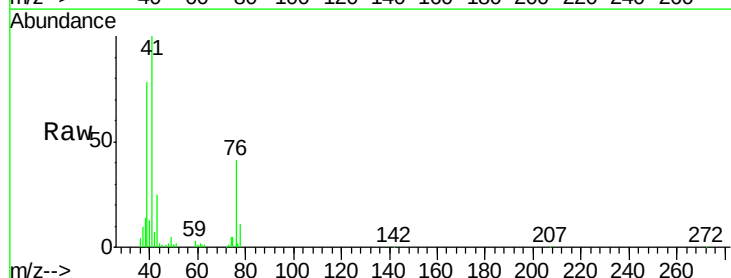
Tgt Ion: 41 Resp: 130938

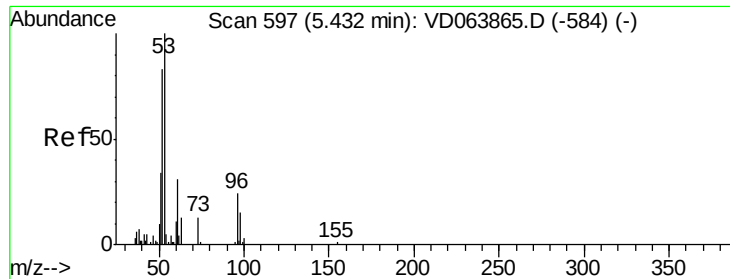
Ion Ratio Lower Upper

41 100

39 75.9 61.8 92.6

76 37.1 31.3 46.9





#15

Acrylonitrile

Concen: 248.075 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

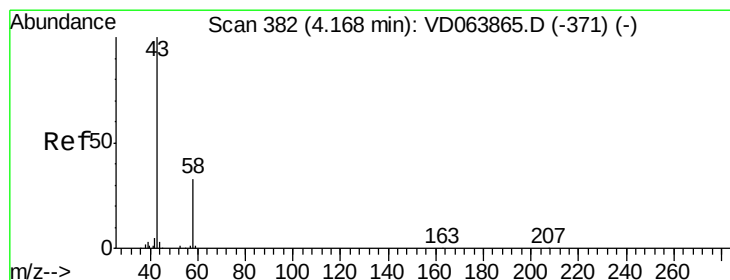
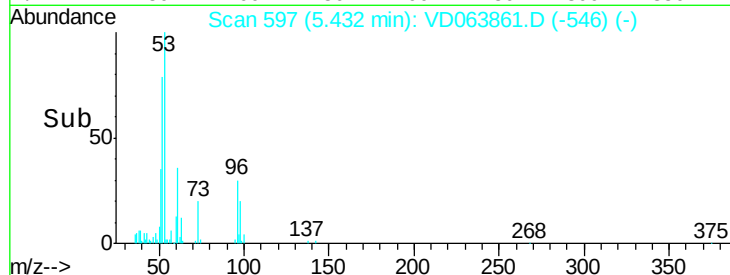
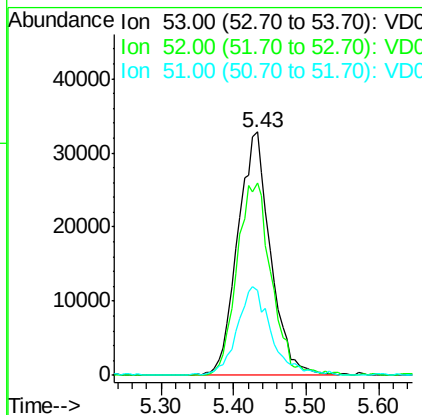
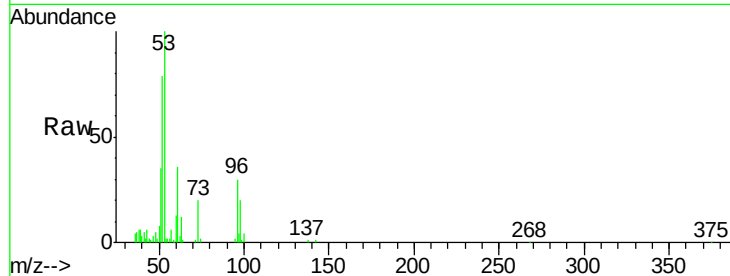
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	103335
Ion Ratio		Lower	Upper
53	100		
52	82.7	67.3	100.9
51	37.9	30.5	45.7

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#16

Acetone

Concen: 245.325 ug/l

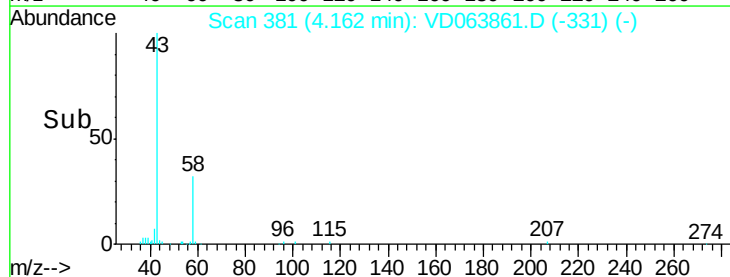
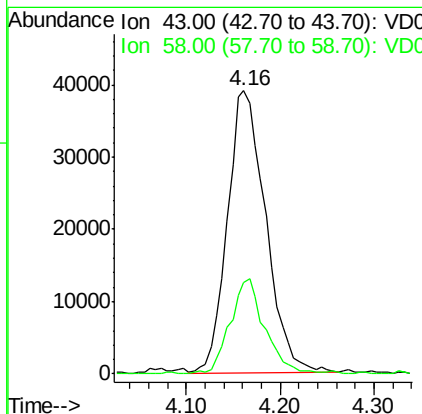
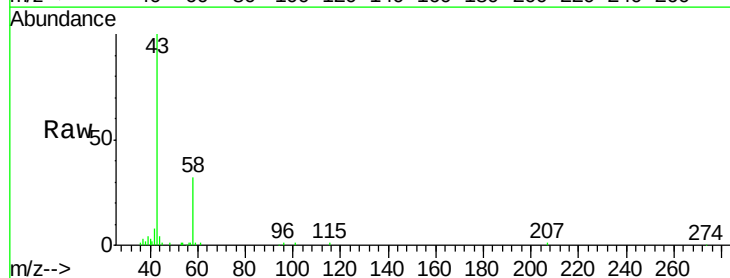
RT: 4.16 min Scan# 381

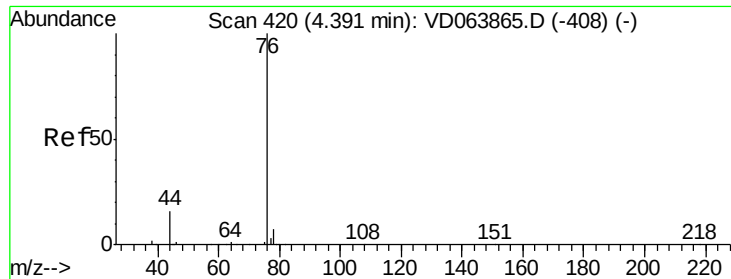
Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion:	43	Resp:	110417
Ion Ratio		Lower	Upper
43	100		
58	32.3	26.2	39.4





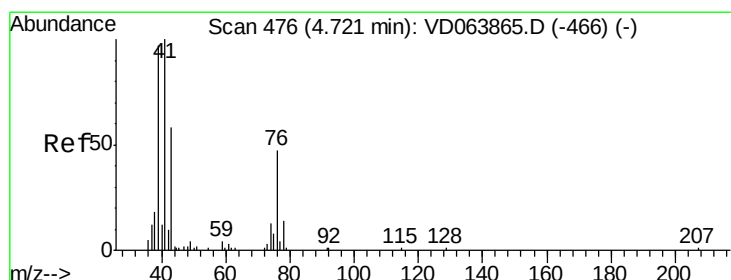
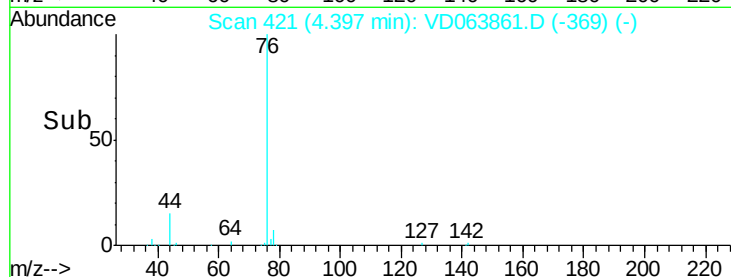
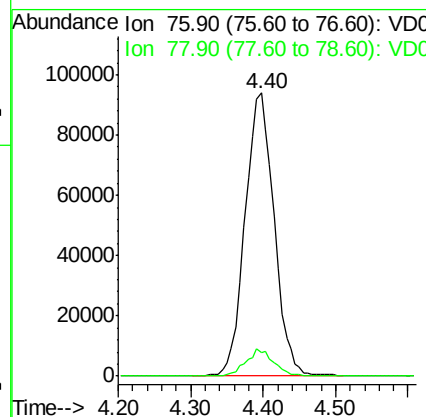
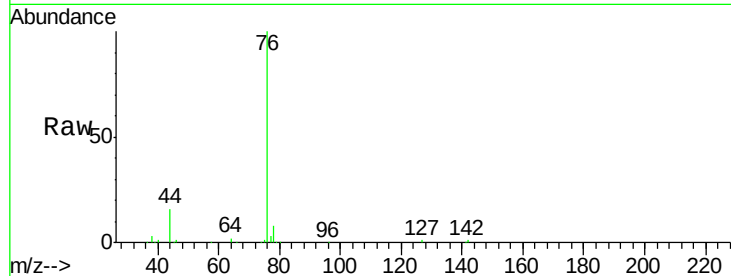
#17
Carbon Disulfide
Concen: 44.967 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	5.8	8.8

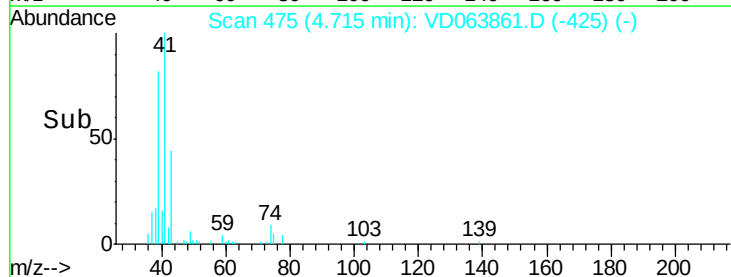
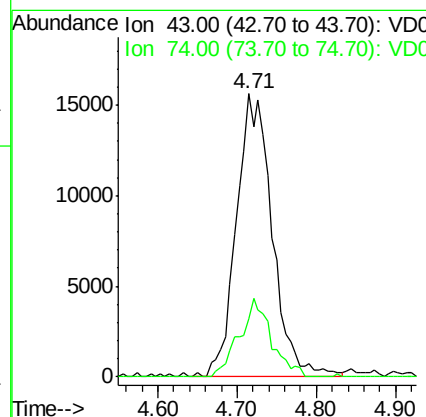
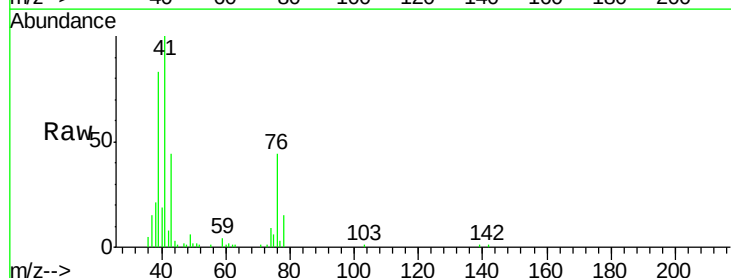
Manual Integrations
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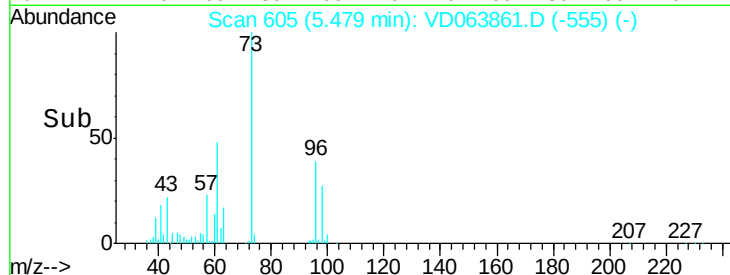
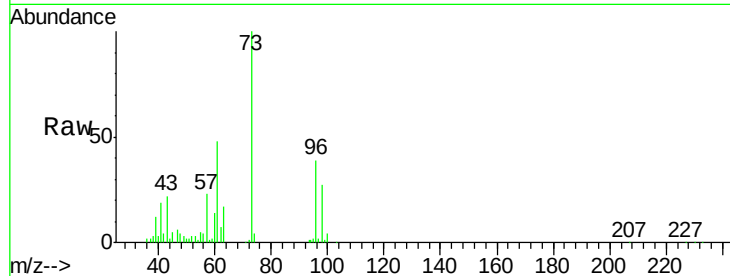
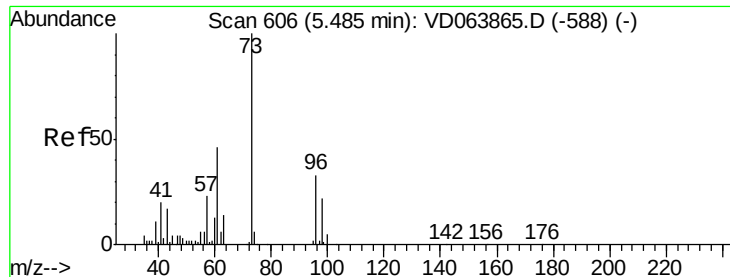
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#18
Methyl Acetate
Concen: 46.713 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.8	31.2





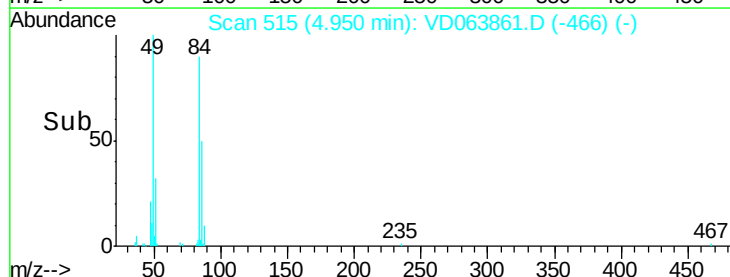
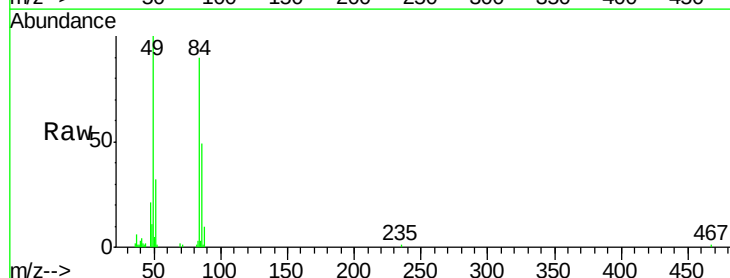
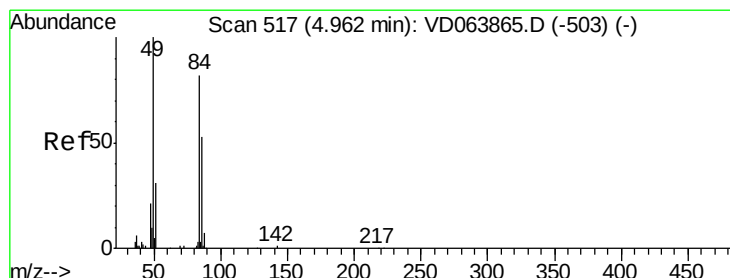
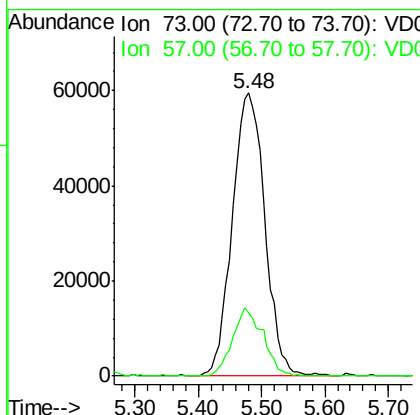
#19
Methyl tert-butyl Ether
Concen: 49.035 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tot Ion: 73 Resp: 211036
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

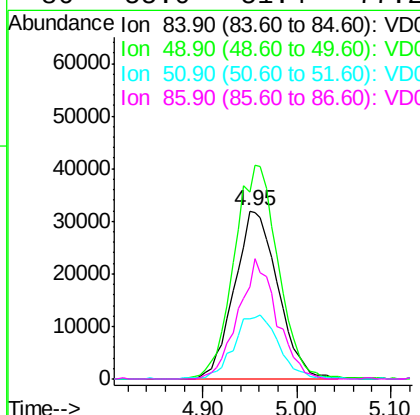
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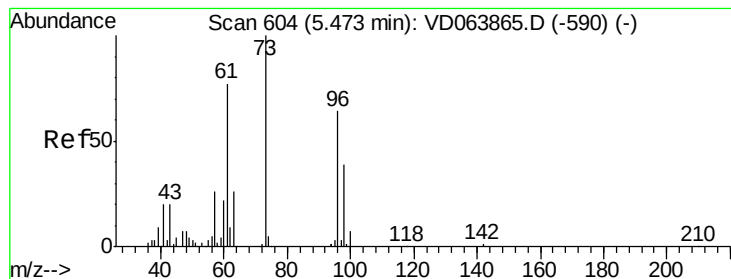
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10/3/2019 12:54:24 PM



#20
Methylene Chloride
Concen: 39.948 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 84 Resp: 102540
Ion Ratio Lower Upper
84 100
49 110.5 97.3 145.9
51 34.9 30.1 45.1
86 55.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.010 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

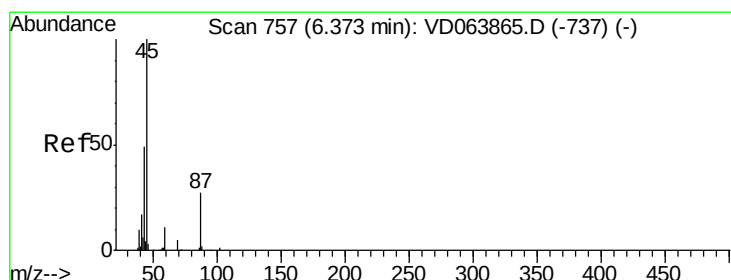
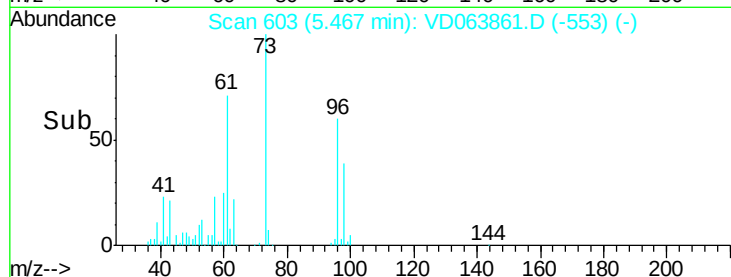
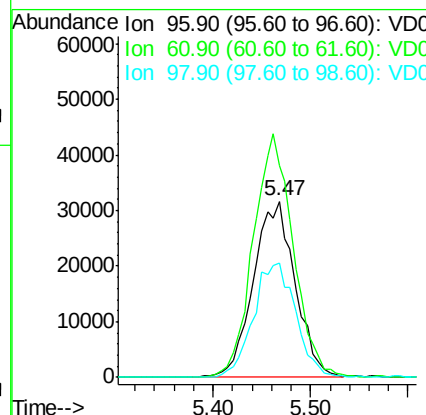
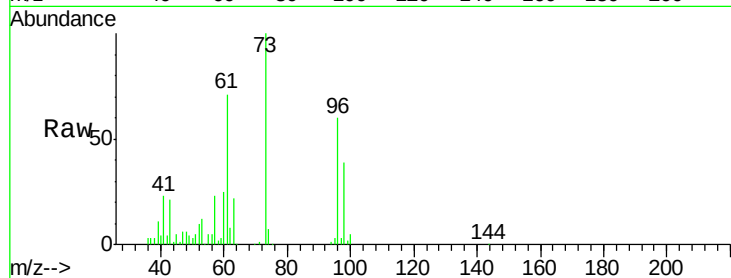
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	94369
Ion	Ratio	Lower	Upper
96	100		
61	119.9	96.6	145.0
98	65.1	48.7	73.1

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#22

Diisopropyl ether

Concen: 50.159 ug/l

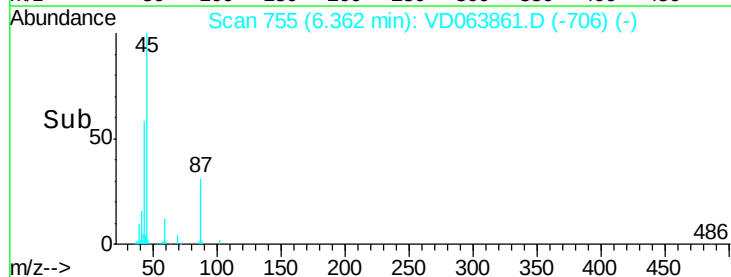
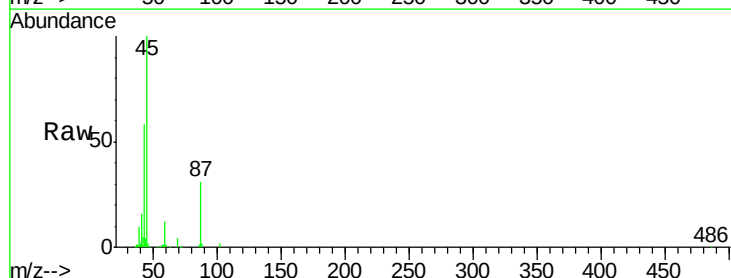
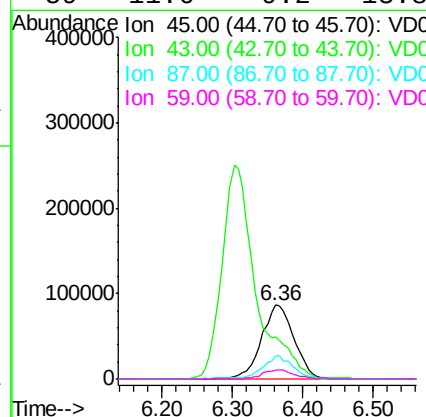
RT: 6.36 min Scan# 755

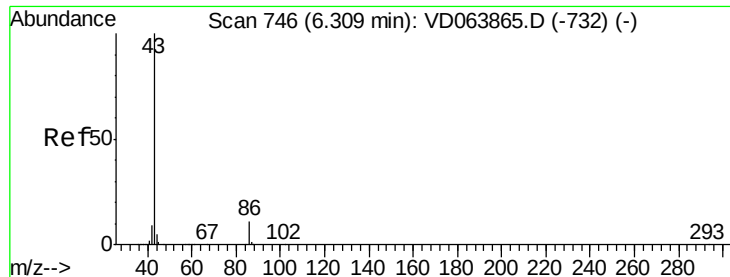
Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion:	45	Resp:	281033
Ion	Ratio	Lower	Upper
45	100		
43	56.6	41.2	61.8
87	30.6	22.2	33.4
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 252.910 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 842881

Ion Ratio Lower Upper

43 100

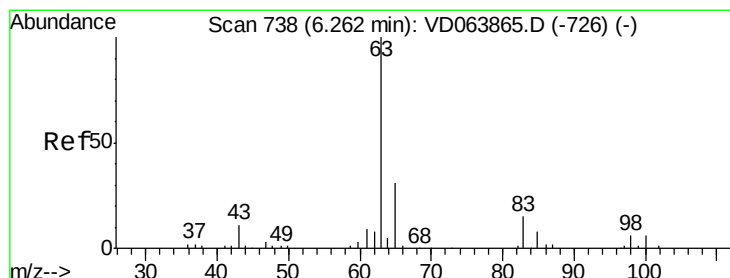
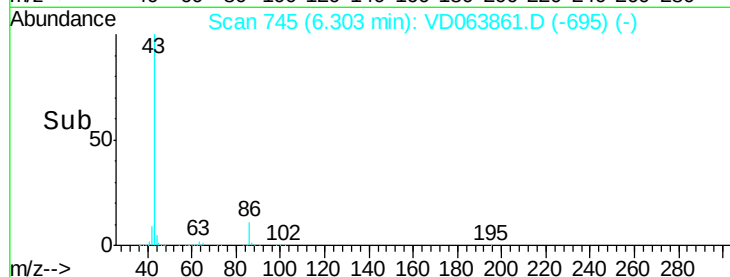
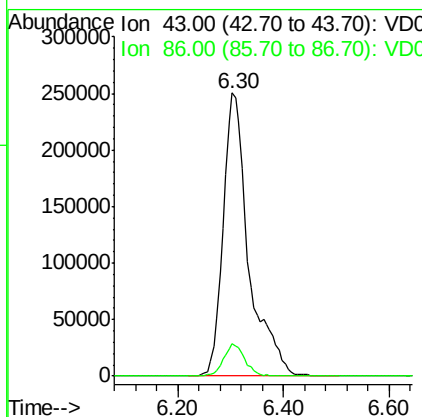
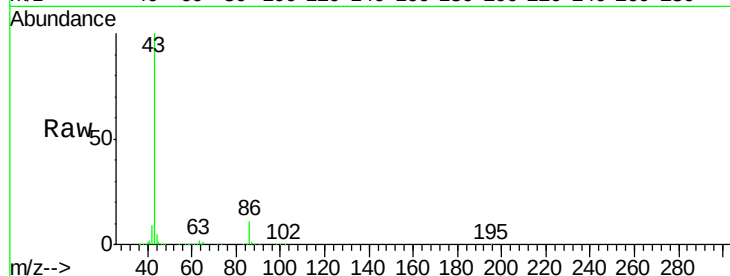
86 11.3 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 48.032 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

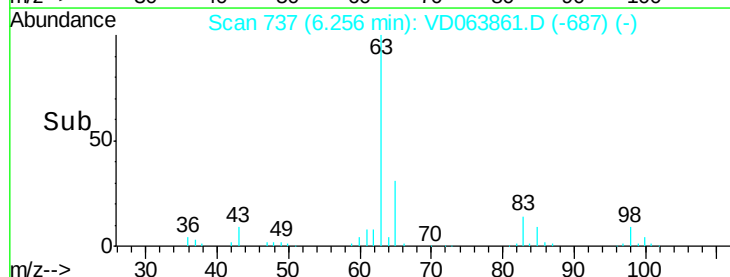
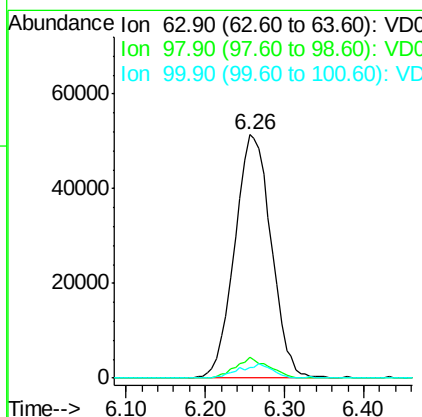
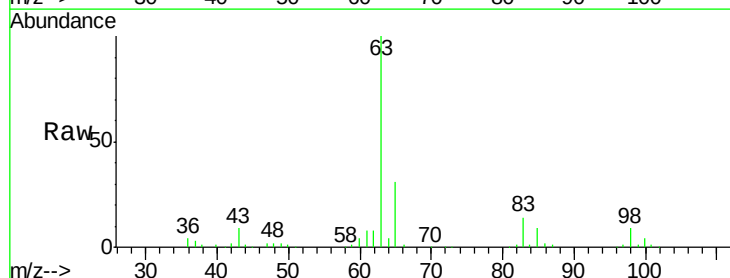
Tgt Ion: 63 Resp: 164301

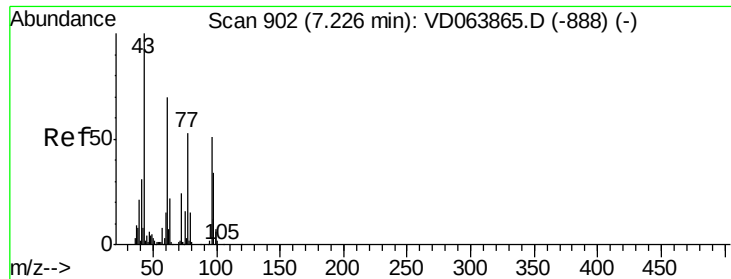
Ion Ratio Lower Upper

63 100

98 8.7 3.1 9.4

100 4.3 3.0 9.2





#25

2-Butanone

Concen: 250.617 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 143217

Ion Ratio Lower Upper

43 100

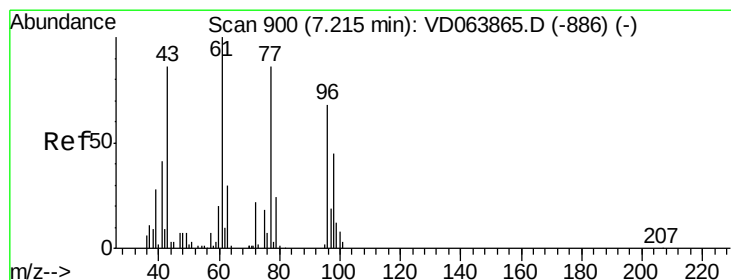
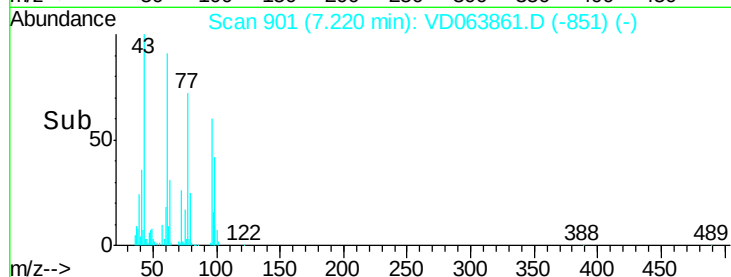
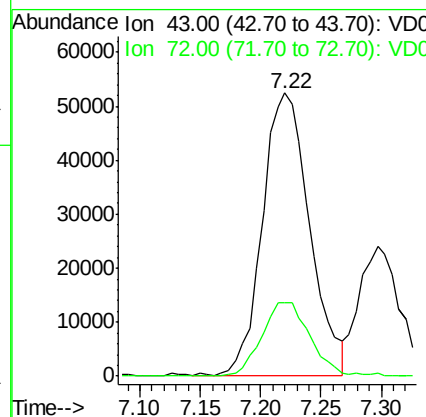
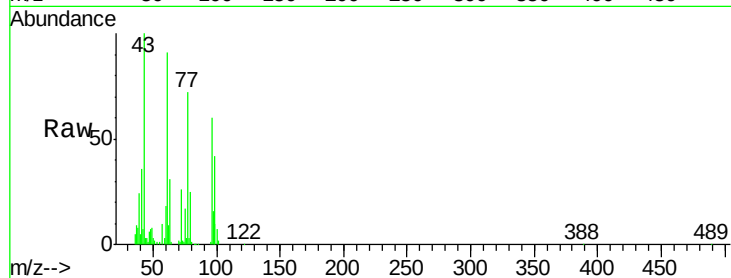
72 25.9 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.941 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063861.D

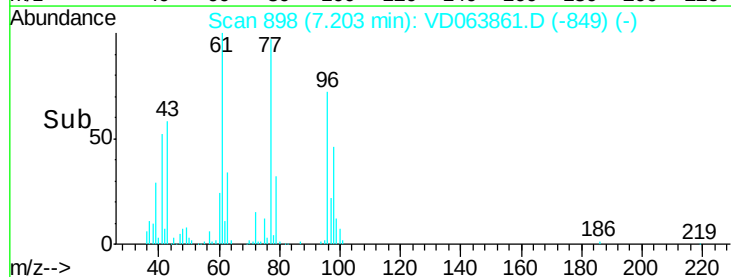
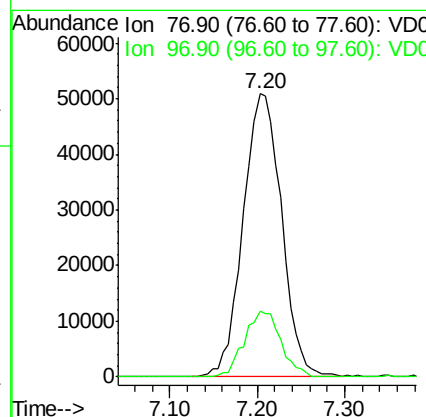
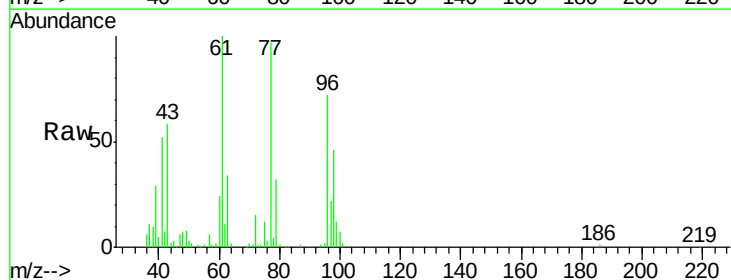
Acq: 02 Oct 2019 15:00

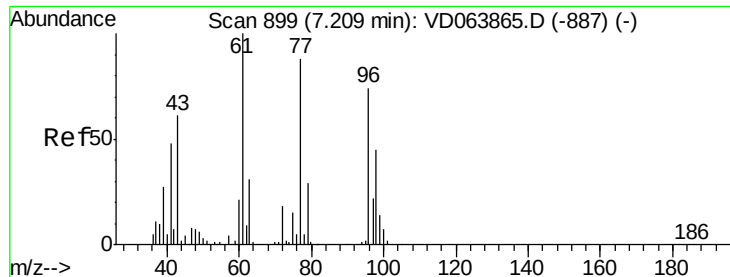
Tgt Ion: 77 Resp: 151685

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.1





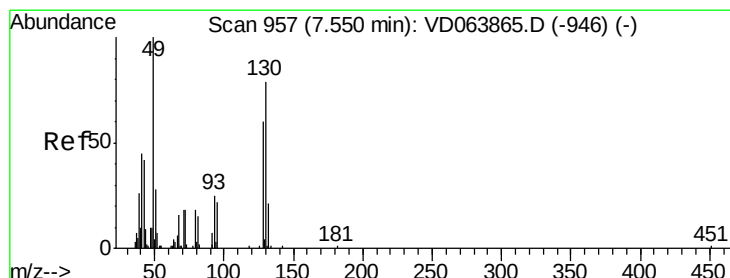
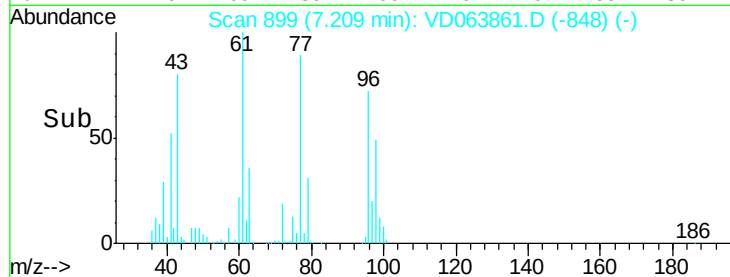
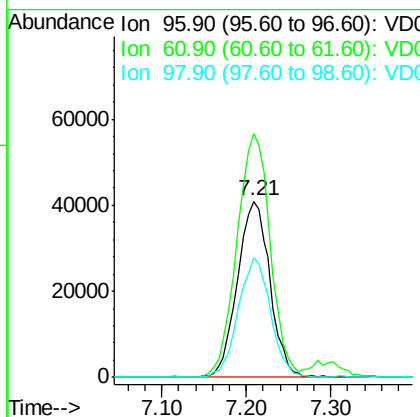
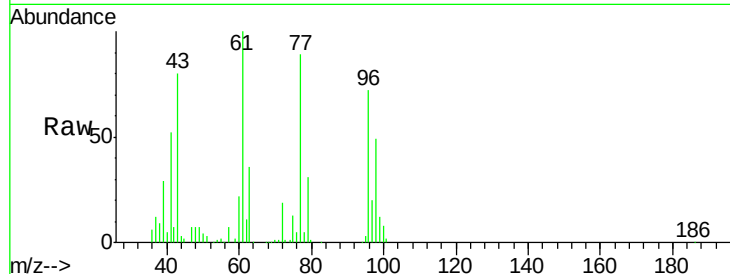
#27
 cis-1,2-Dichloroethene
 Concen: 48.674 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	0.0	280.0	
98	67.7	0.0	130.4	

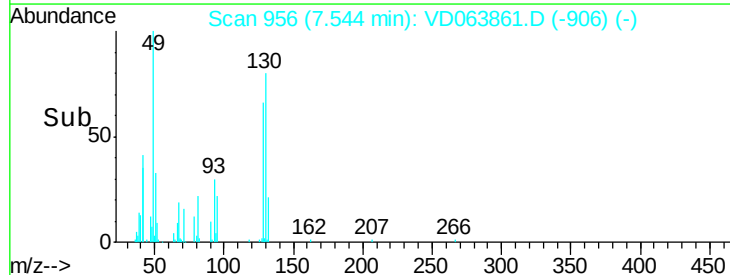
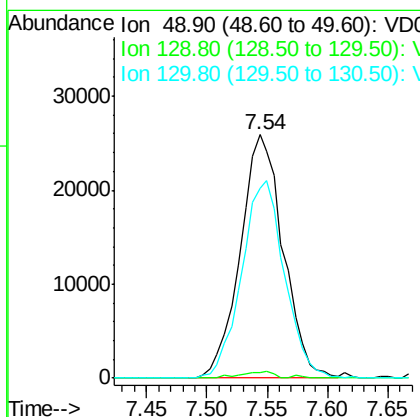
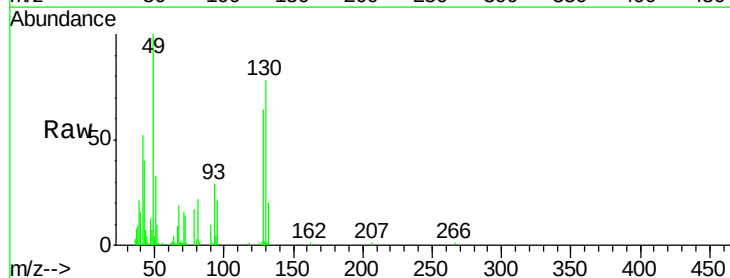
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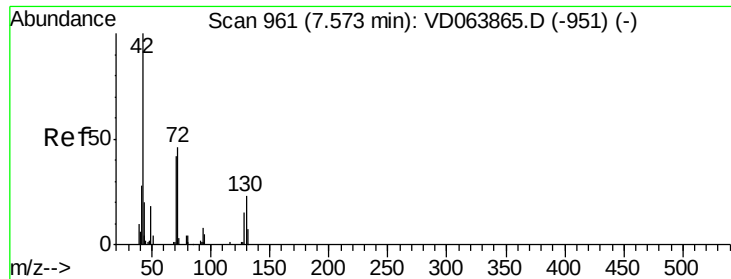
MMDadoda
 10/3/2019 12:54:24 PM



#28
 Bromochloromethane
 Concen: 48.568 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	5.6	
130	81.0	66.8	100.2	





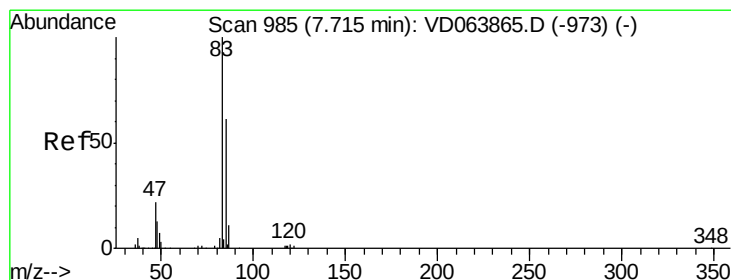
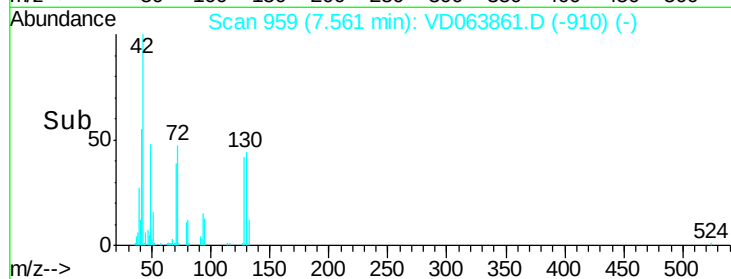
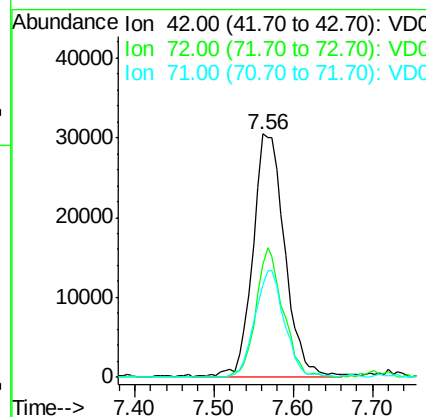
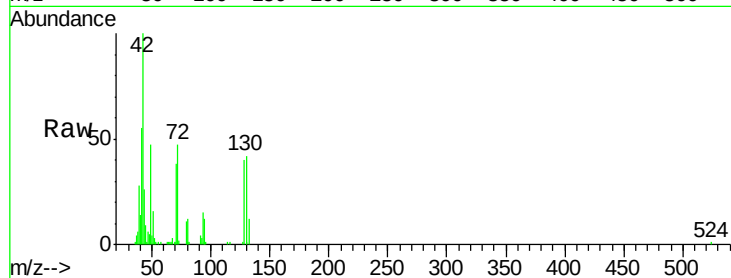
#29
Tetrahydrofuran
Concen: 256.470 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.6	56.4
71	40.8	35.0	52.6

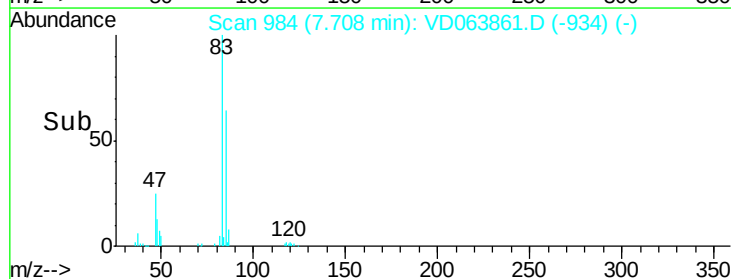
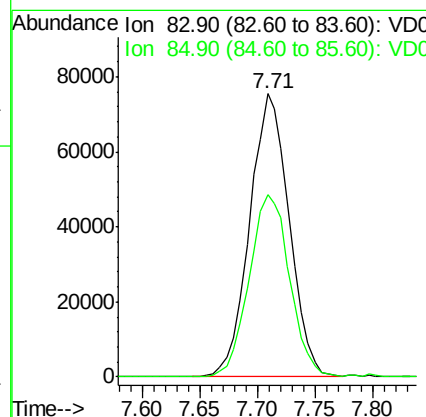
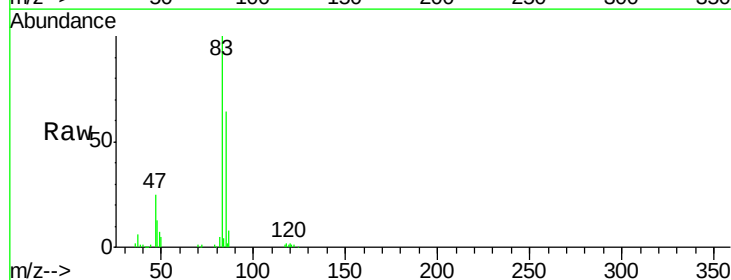
Manual Integrations
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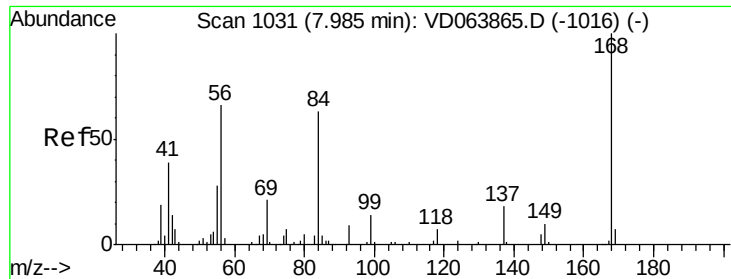
MMDadoda
10/3/2019 12:54:24 PM



#30
Chloroform
Concen: 48.648 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	48.9	73.3





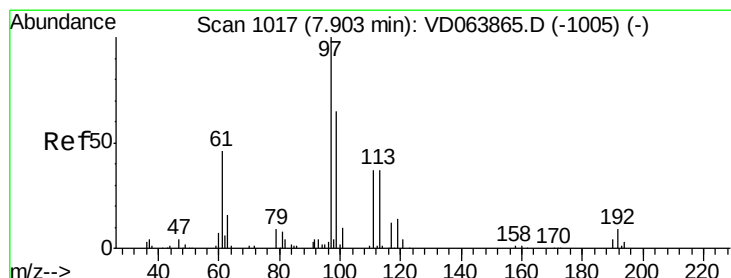
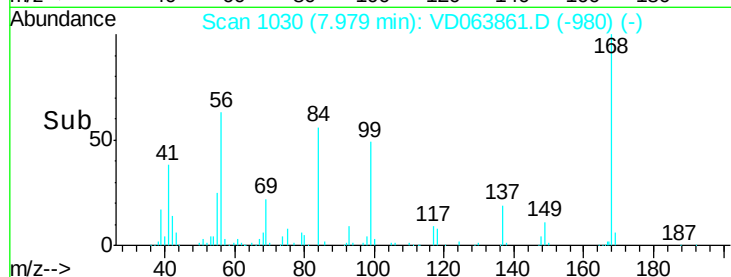
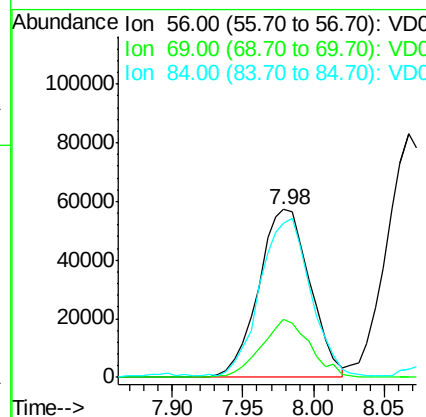
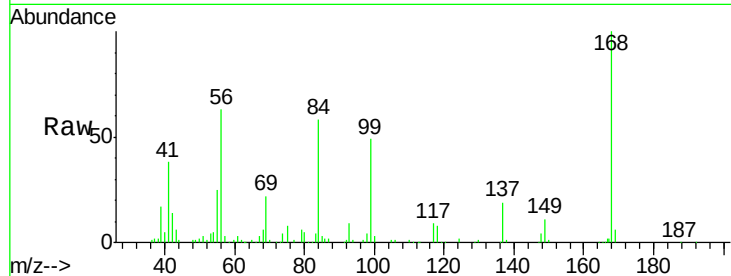
#31
Cyclohexane
Concen: 43.604 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.0	37.4
84	90.7	76.3	114.5

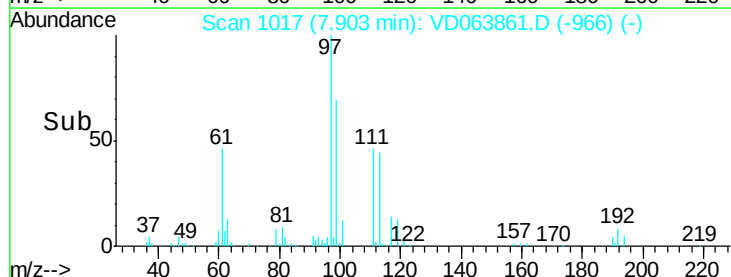
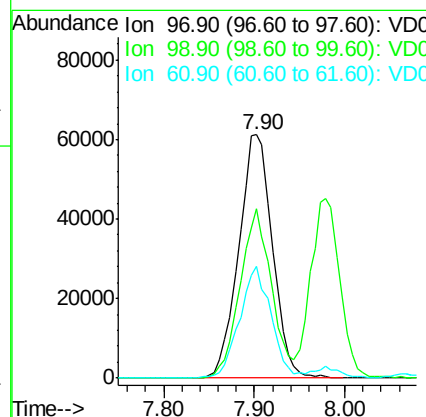
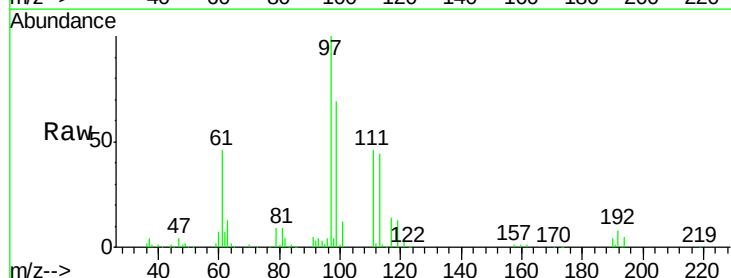
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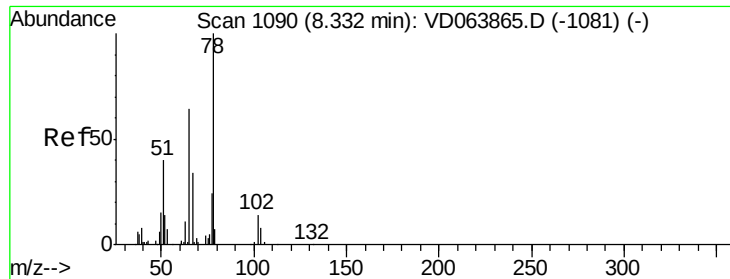
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.508 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.4	78.6
61	42.9	33.8	50.8





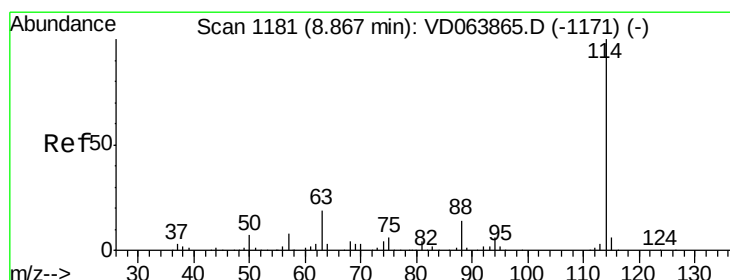
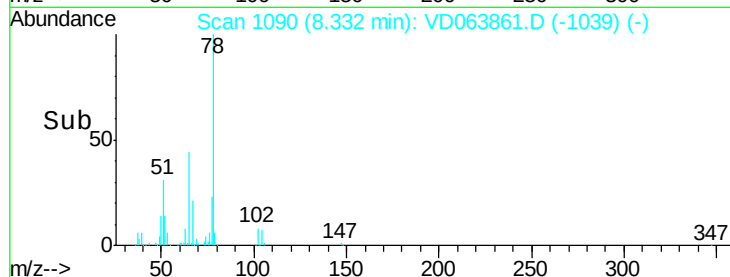
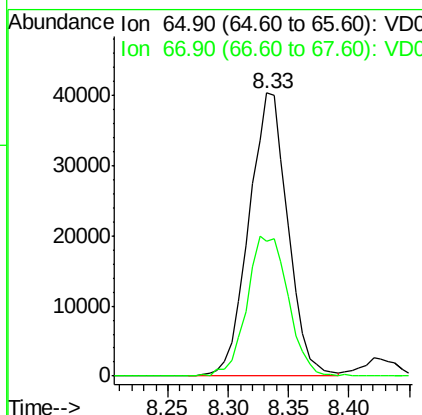
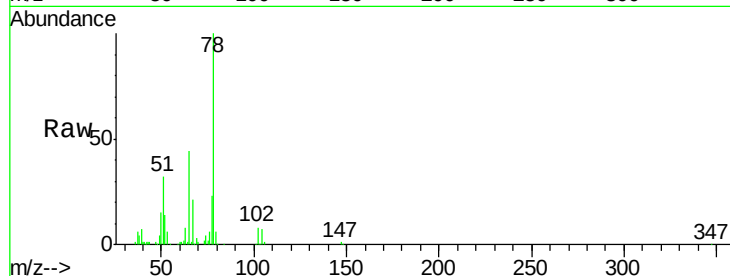
#33
 1,2-Dichloroethane-d4
 Concen: 47.548 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.4

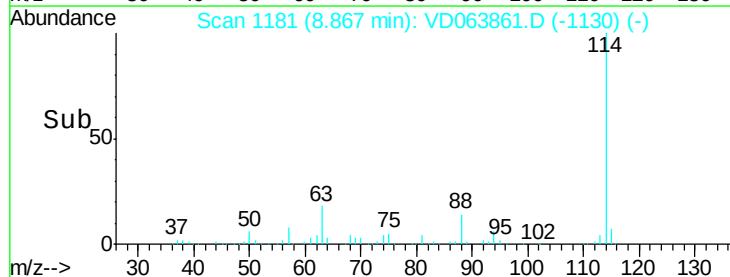
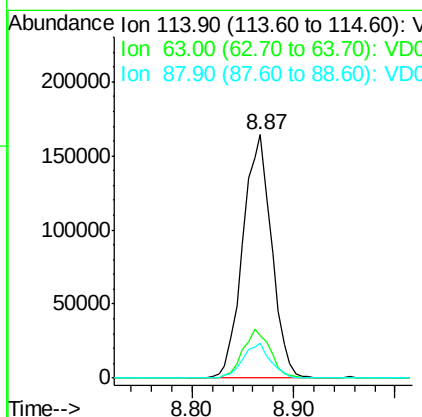
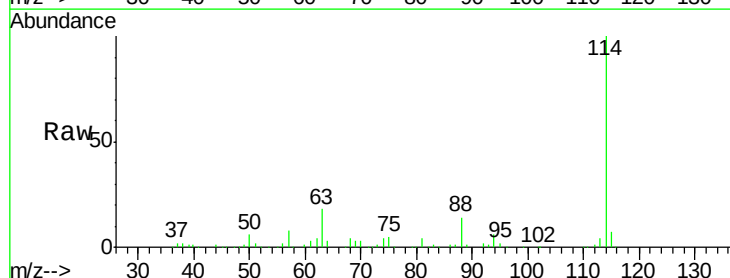
Manual Integrations
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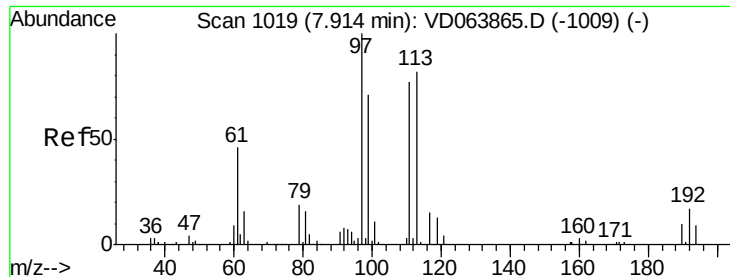
MMDadoda
 10/3/2019 12:54:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.4
88	14.3	0.0	27.4





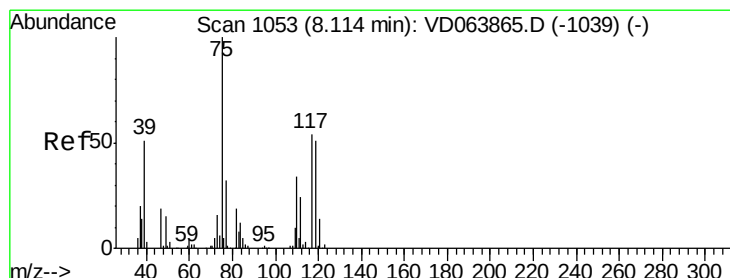
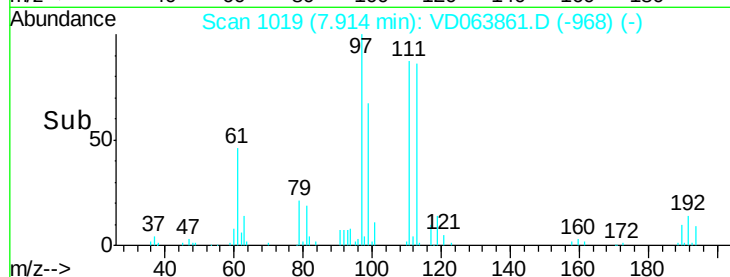
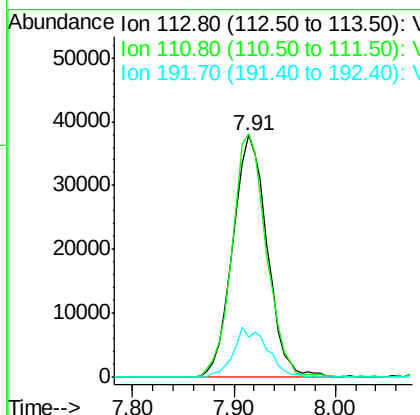
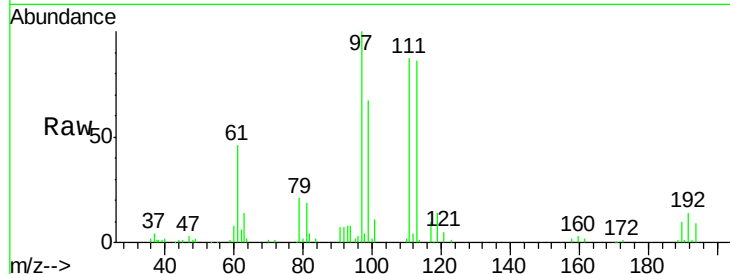
#35
Dibromofluoromethane
Concen: 43.751 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.6	123.8
192	20.1	17.1	25.7

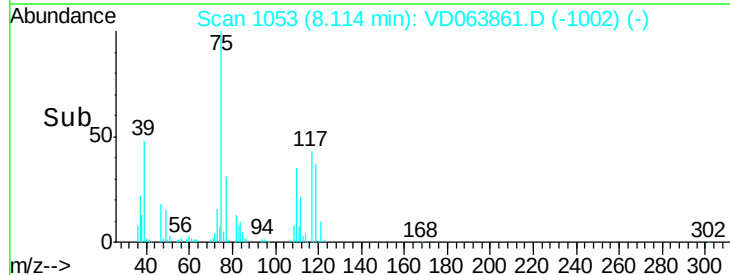
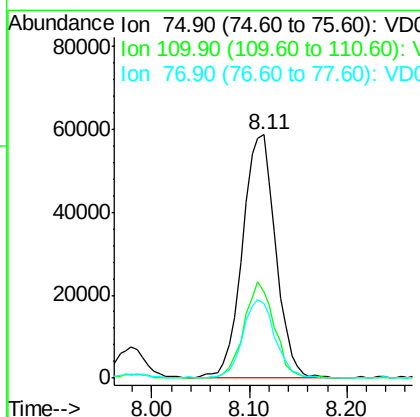
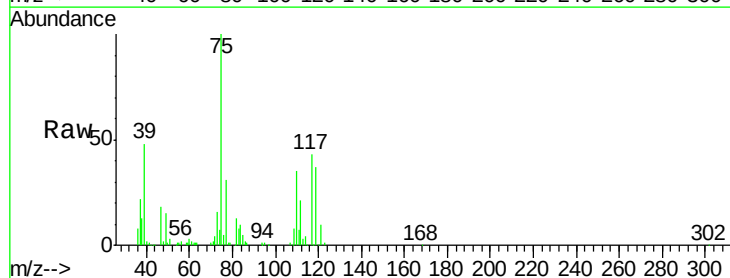
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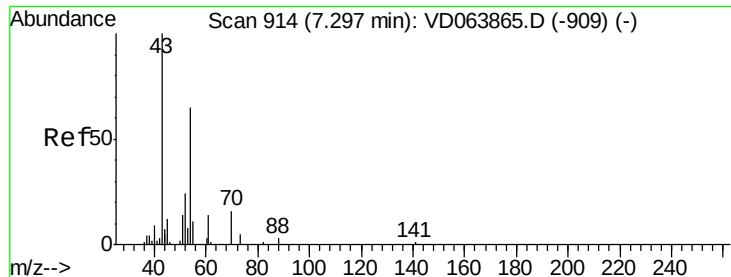
MMDadoda
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#36
1,1-Dichloropropene
Concen: 47.591 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.4	52.3
77	31.3	25.4	38.0





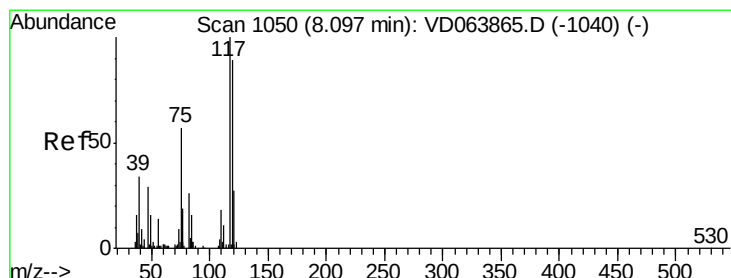
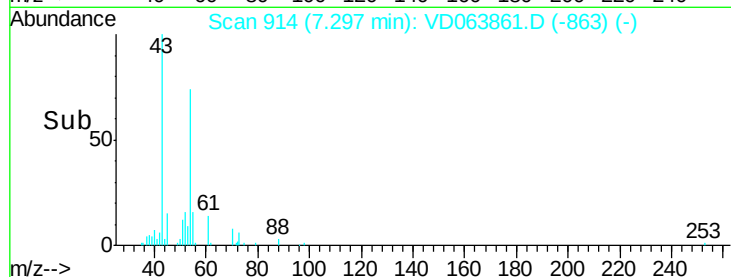
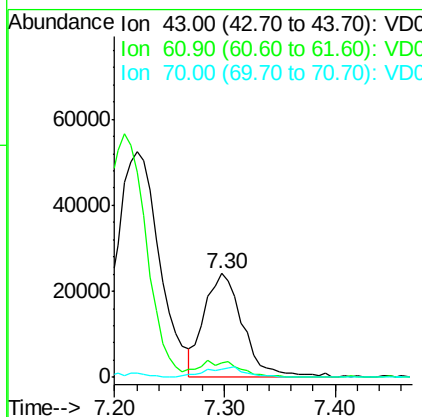
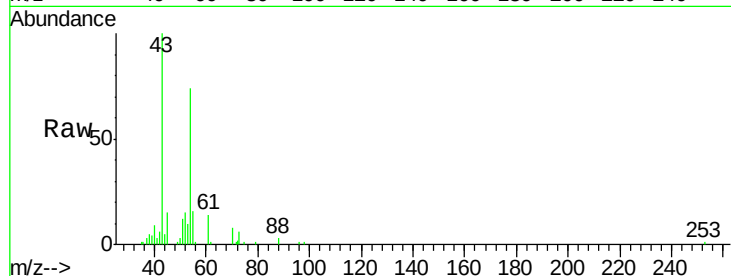
#37
Ethyl Acetate
Concen: 46.020 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	10.1	8.2	12.4

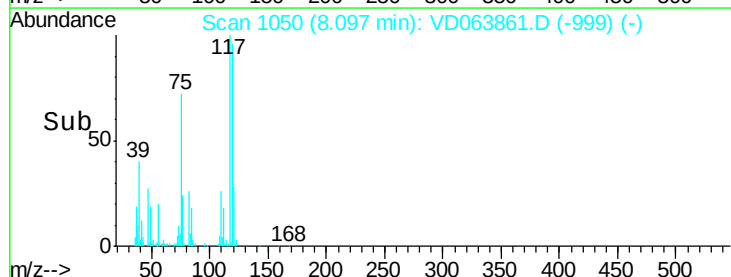
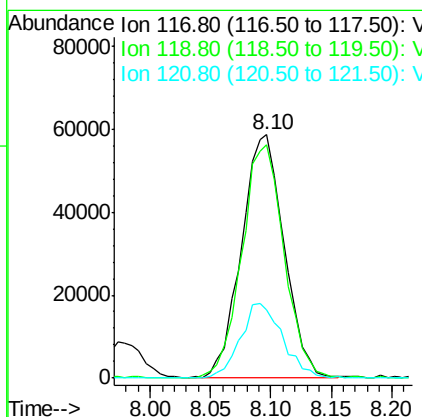
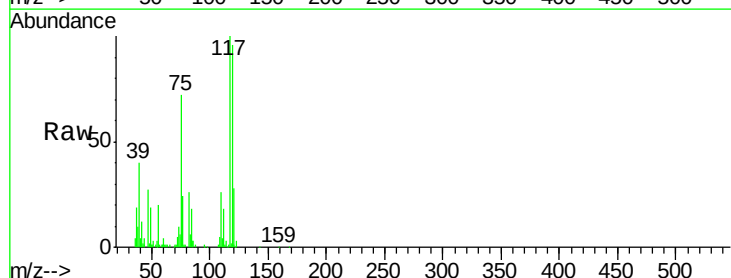
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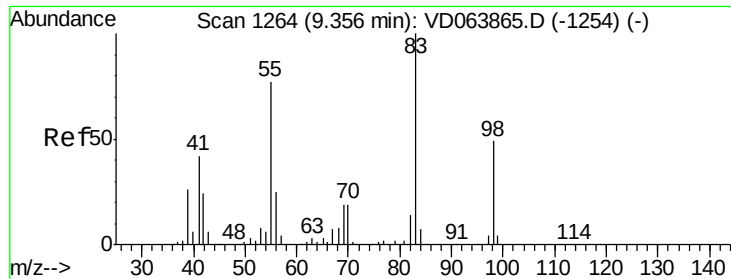
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.478 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	70.8	106.2
121	27.8	21.4	32.0





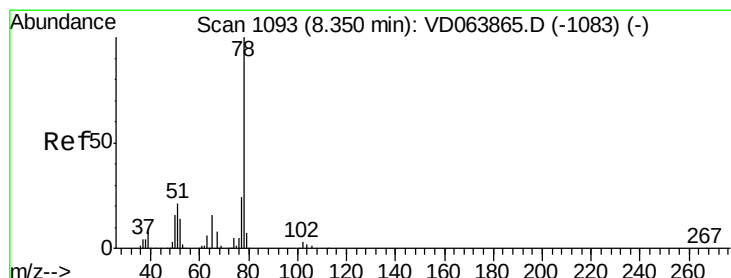
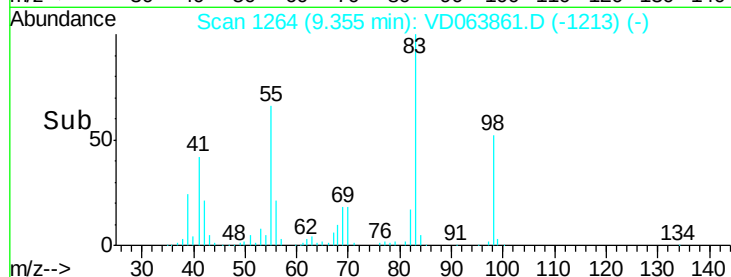
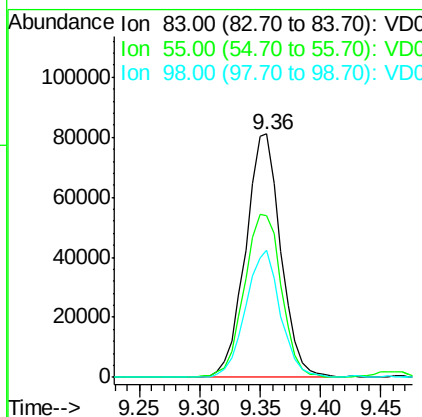
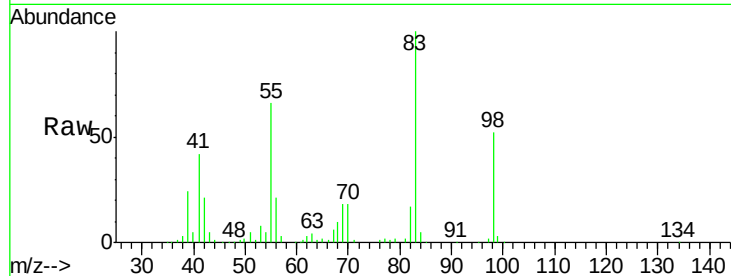
#39
Methylvlcyclohexane
Concen: 45.201 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	164993		
55	66.5	61.3	91.9	
98	52.4	39.3	58.9	

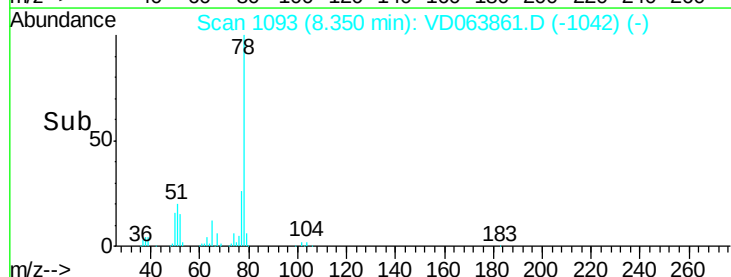
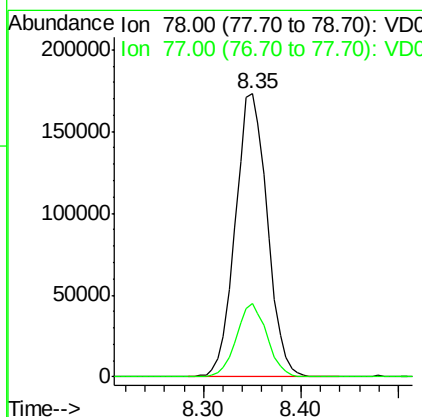
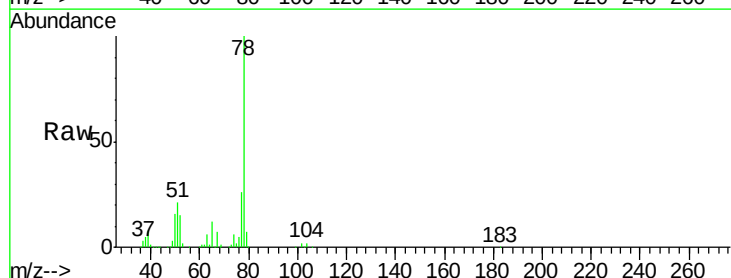
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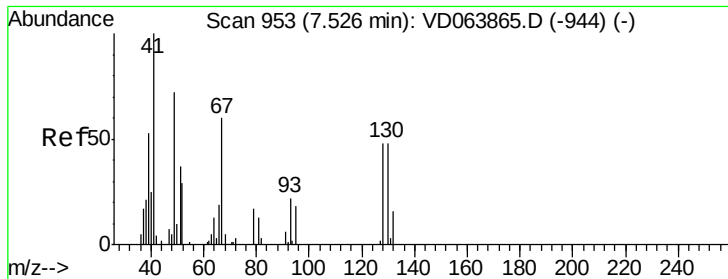
MMDadoda
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#40
Benzene
Concen: 48.632 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	396374		
77	26.1	19.0	28.6	





#41

Methacrylonitrile

Concen: 40.608 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 28813

Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

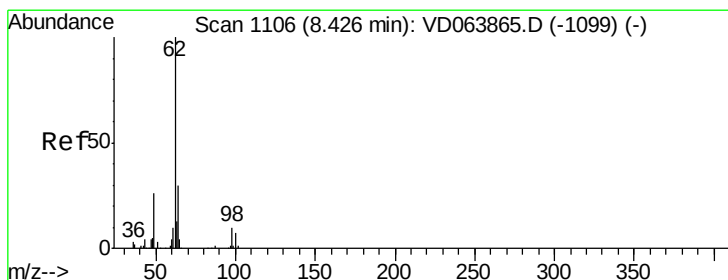
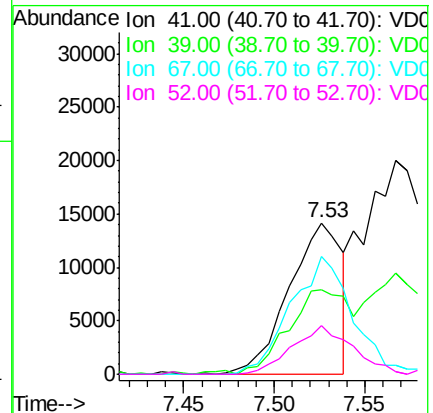
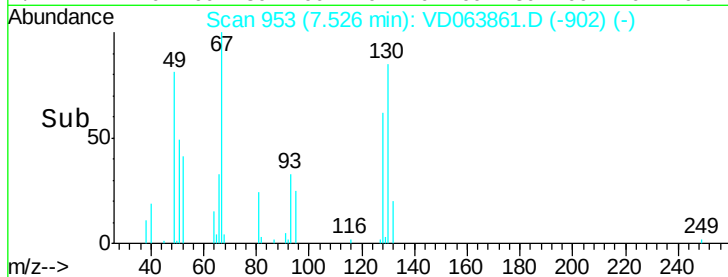
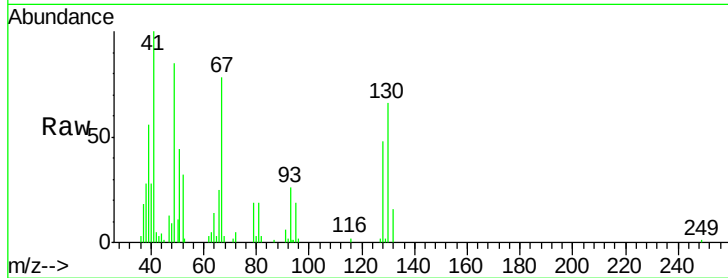
67 91.2 74.2 111.2

52 36.3 34.0 51.0

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#42

1,2-Dichloroethane

Concen: 48.906 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063861.D

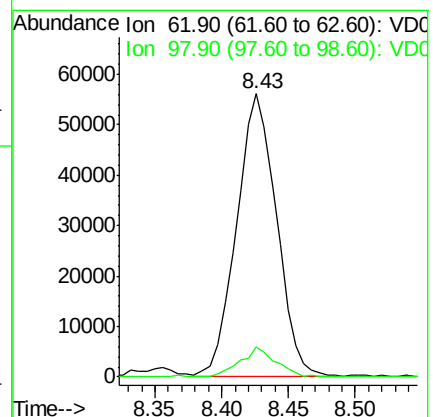
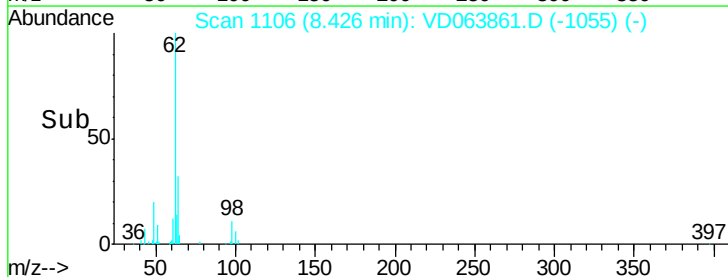
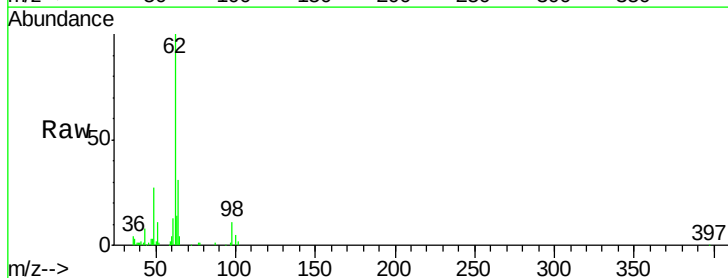
Acq: 02 Oct 2019 15:00

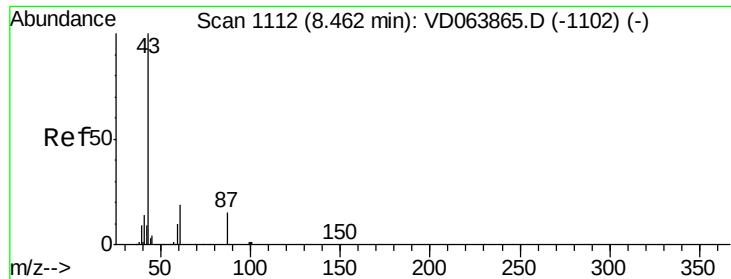
Tgt Ion: 62 Resp: 116769

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 49.302 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

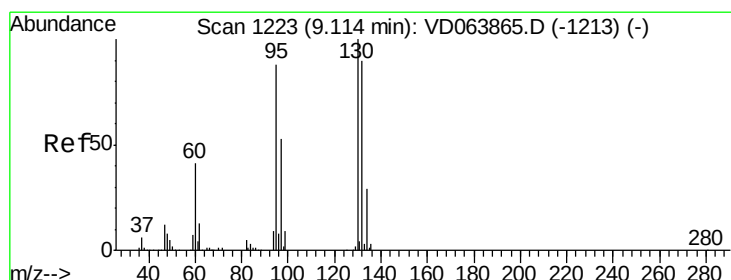
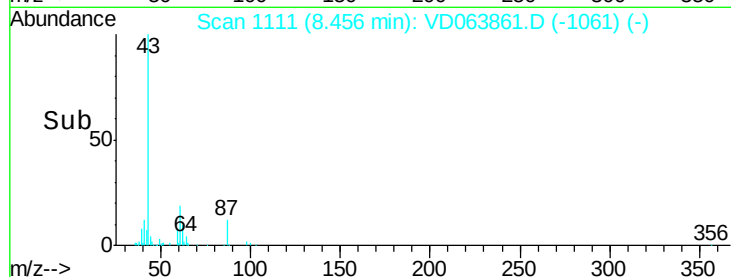
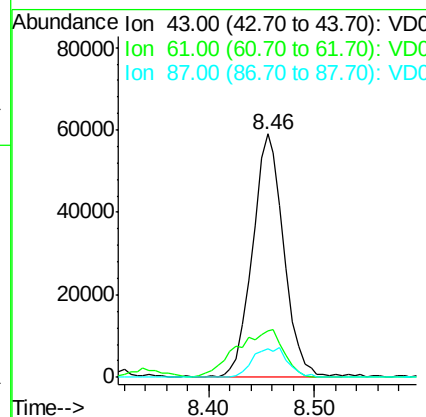
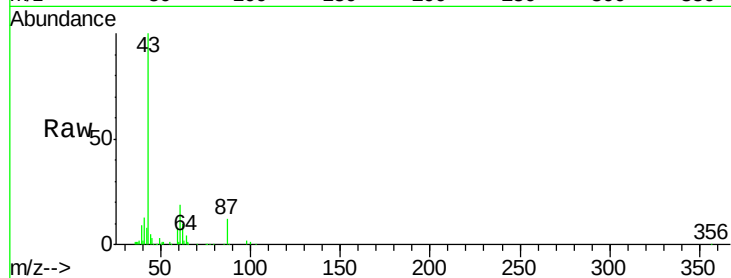
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	122059
Ion	Ratio	Lower	Upper
43	100		
61	29.4	25.7	38.5
87	13.4	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.432 ug/l

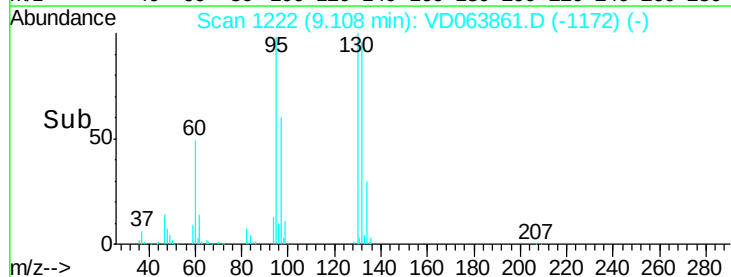
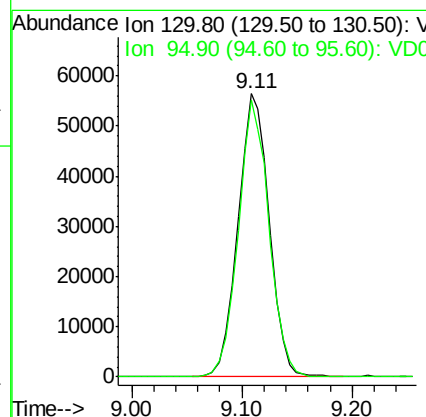
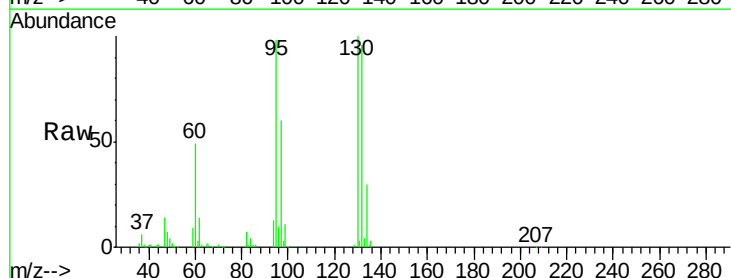
RT: 9.11 min Scan# 1222

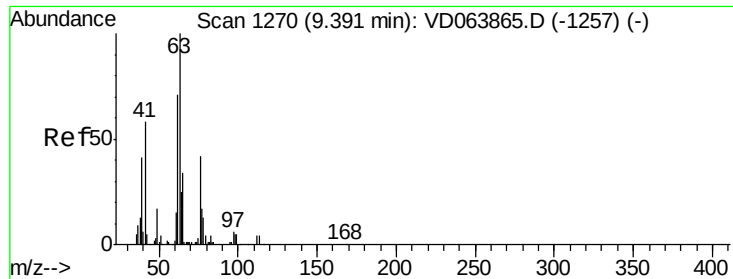
Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion:	130	Resp:	112171
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	175.6





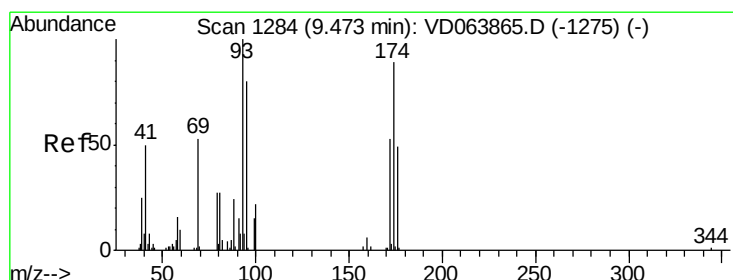
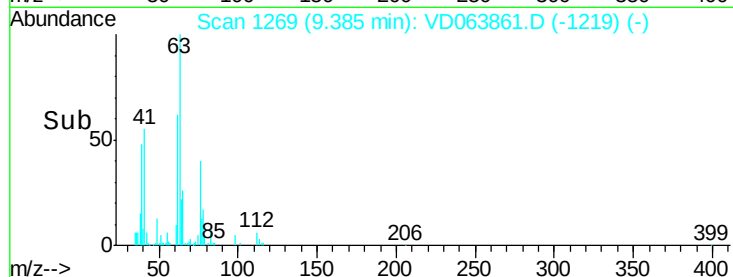
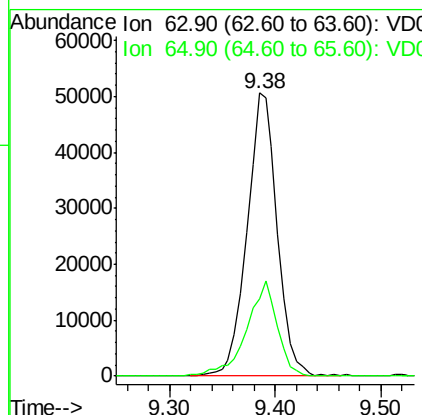
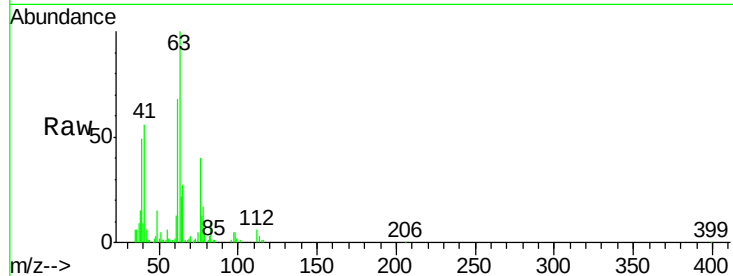
#45
 1,2-Dichloropropane
 Concen: 49.572 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 99957
 Ion Ratio Lower Upper
 63 100
 65 27.4 27.3 40.9

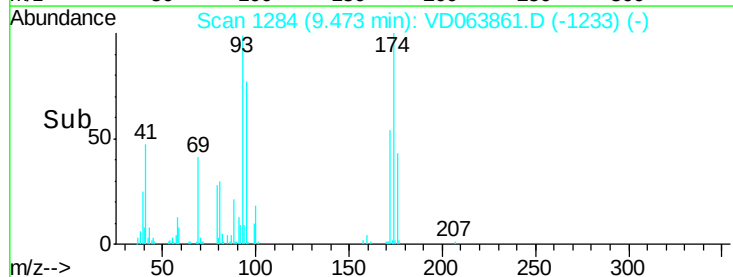
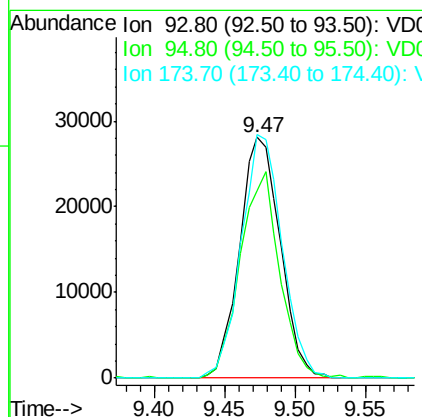
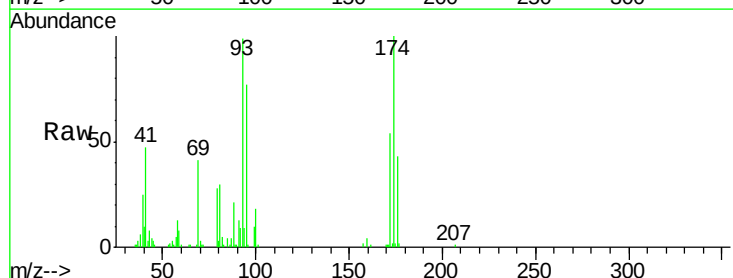
Manual Integrations
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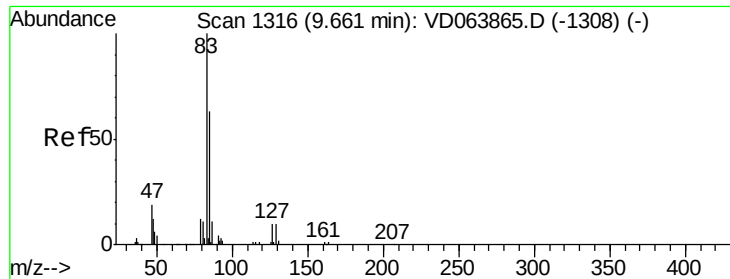
MMDadoda
 10/3/2019 12:54:24 PM



#46
 Dibromomethane
 Concen: 49.854 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 93 Resp: 56839
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.0 99.0
 174 101.5 83.4 125.0





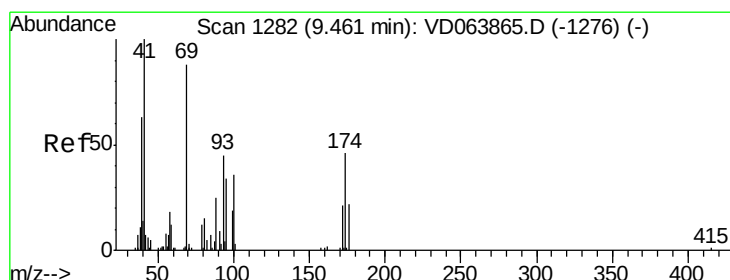
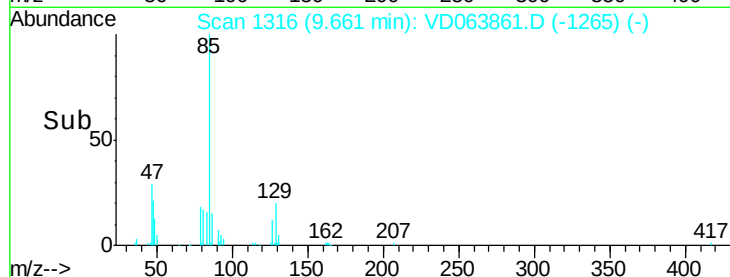
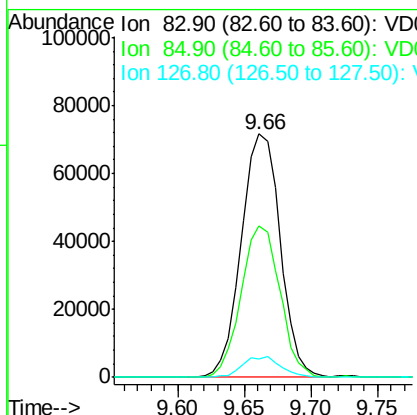
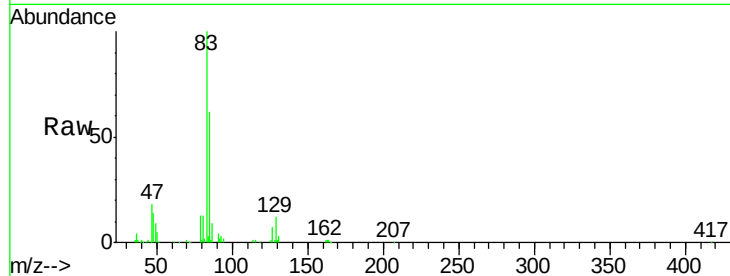
#47
Bromodichloromethane
Concen: 49.524 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	145025
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	50.2	75.2
127	7.3	7.6	11.4#

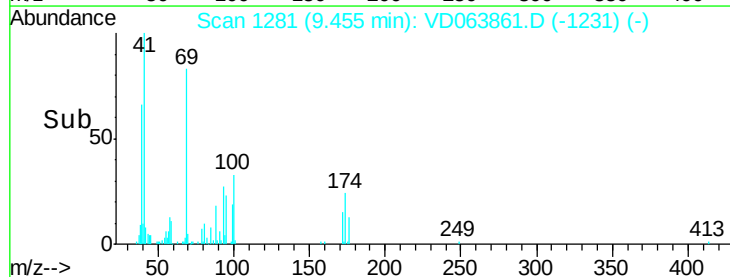
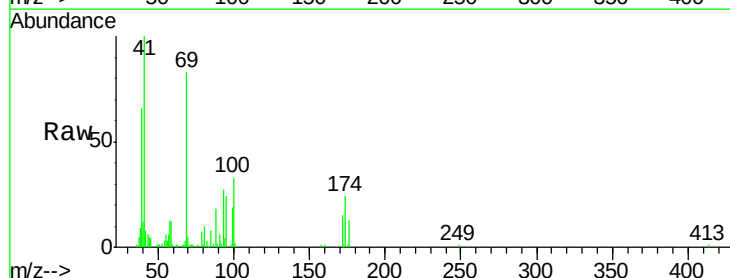
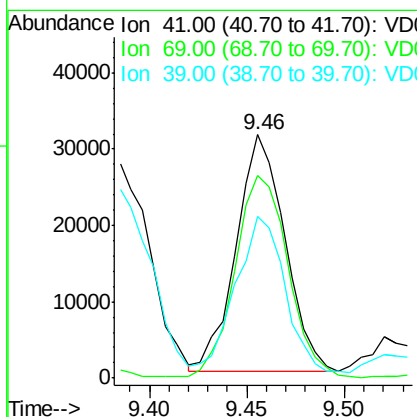
Manual Integrations
APPROVED

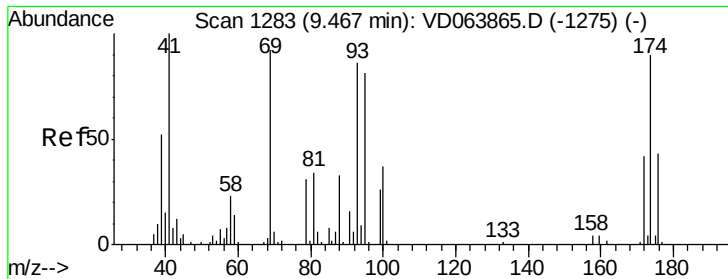
MMDadoda
10/3/2019 12:54:24 PM



#48
Methyl methacrylate
Concen: 47.435 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	41	Resp	53530
Ion Ratio	100	Lower	Upper
41	100		
69	93.6	75.1	112.7
39	73.2	50.2	75.2





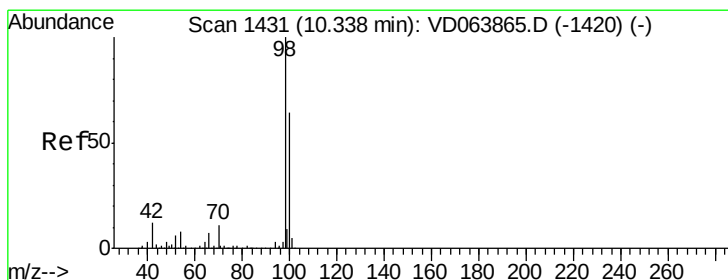
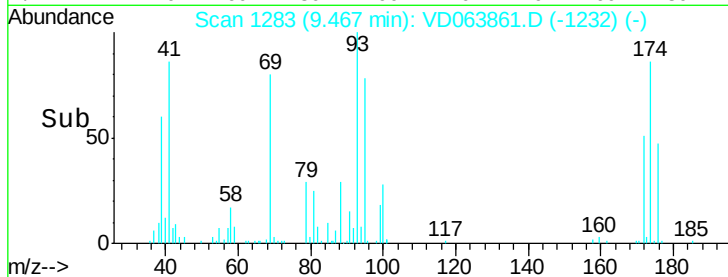
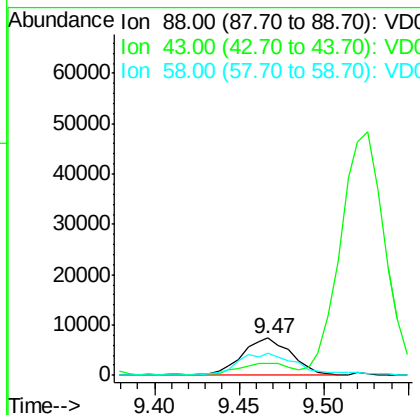
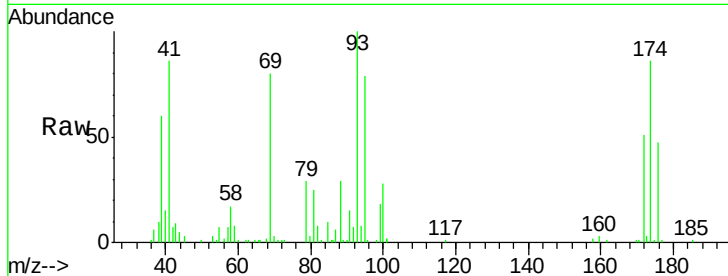
#49
1,4-Dioxane
Concen: 930.894 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15033
Ion	Ratio	Lower	Upper
88	100		
43	31.1	27.6	41.4
58	73.4	54.1	81.1

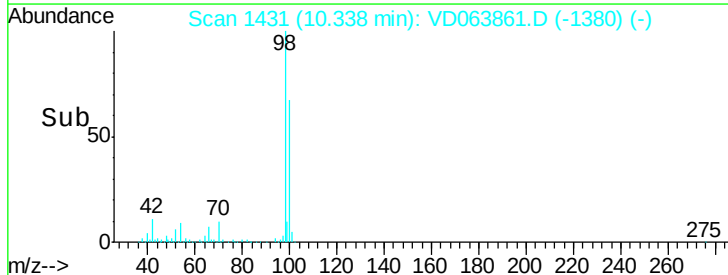
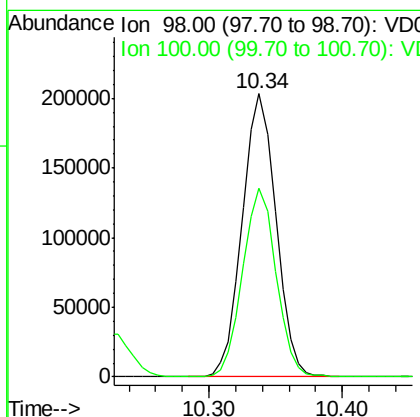
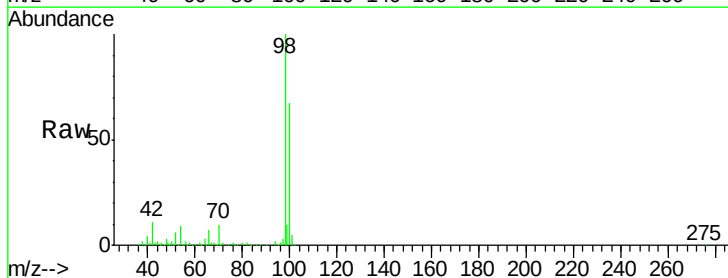
Manual Integrations
APPROVED

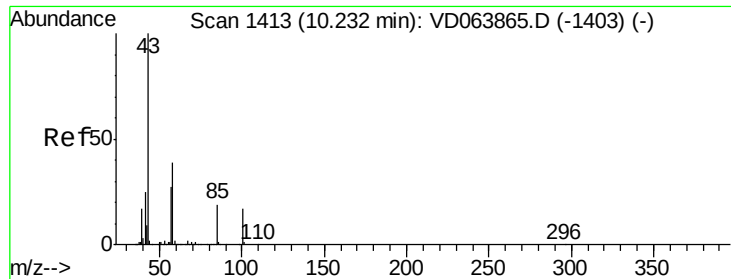
MMDadoda
10/3/2019 12:54:24 PM



#50
Toluene-d8
Concen: 45.996 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	98	Resp	356099
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





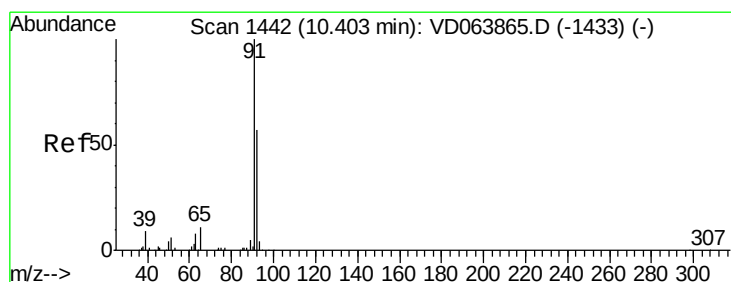
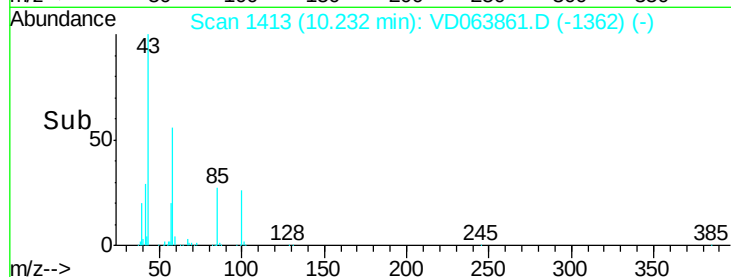
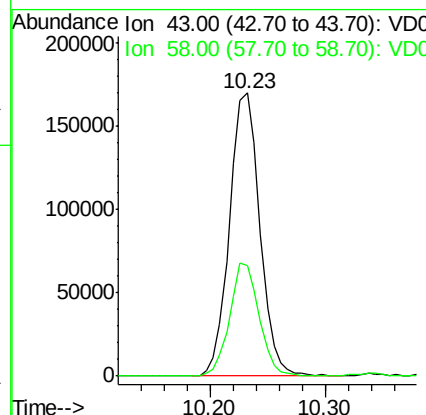
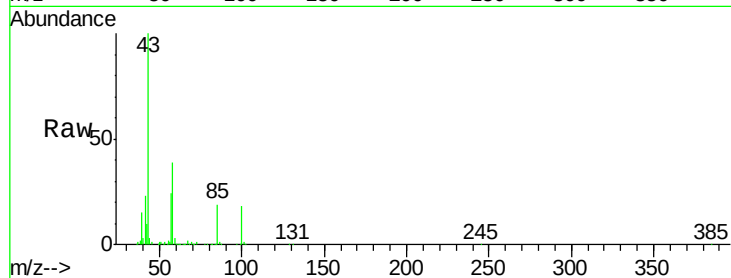
#51
4-Methyl-2-Pentanone
Concen: 247.497 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	33.0	49.4

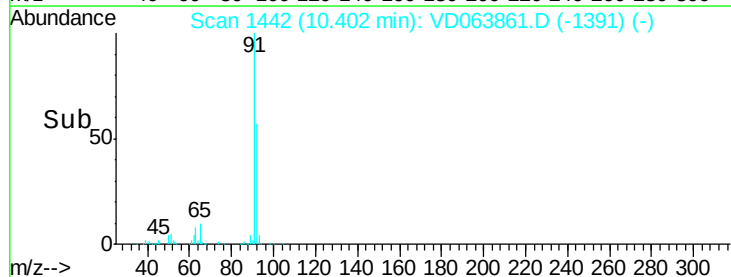
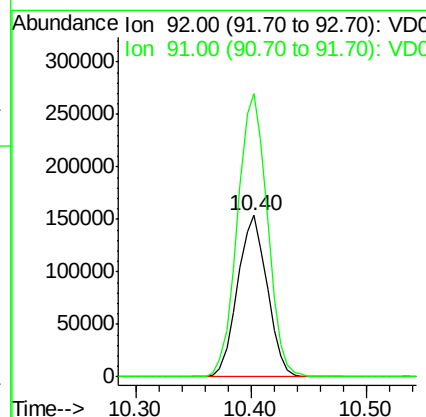
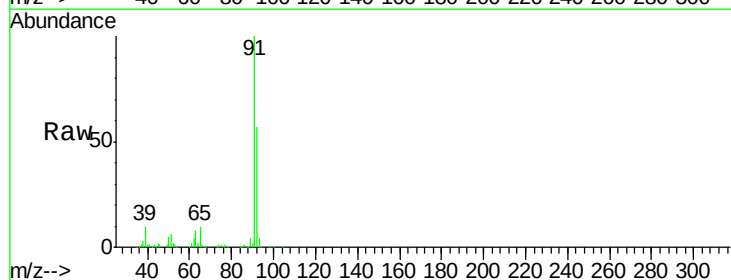
Manual Integrations
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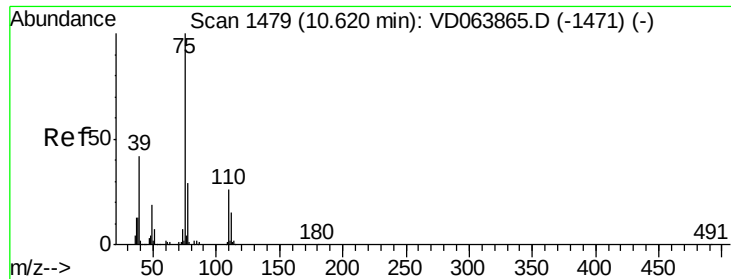
MMDadoda
10/3/2019 12:54:24 PM



#52
Toluene
Concen: 49.539 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	139.5	209.3





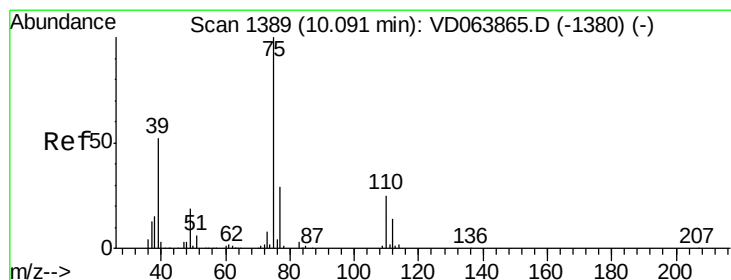
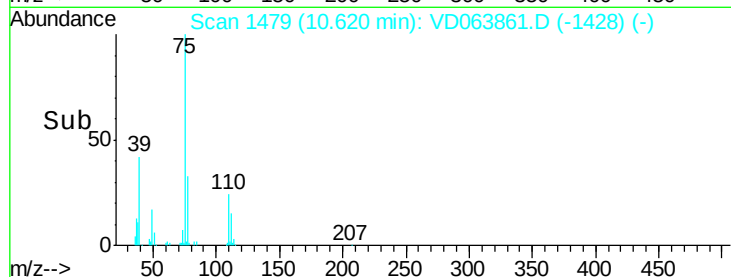
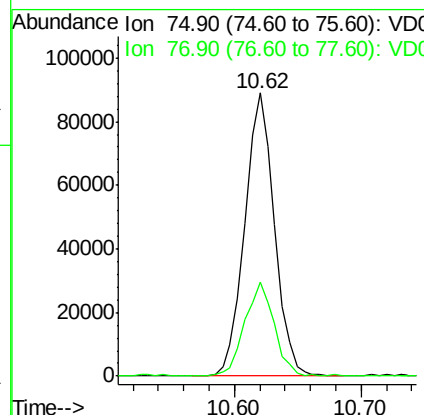
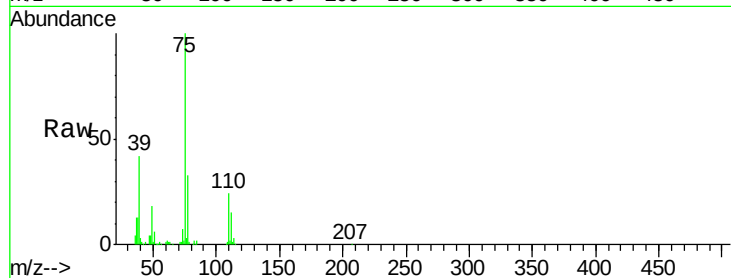
#53
 t-1,3-Dichloropropene
 Concen: 49.700 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 144364
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.8 34.2

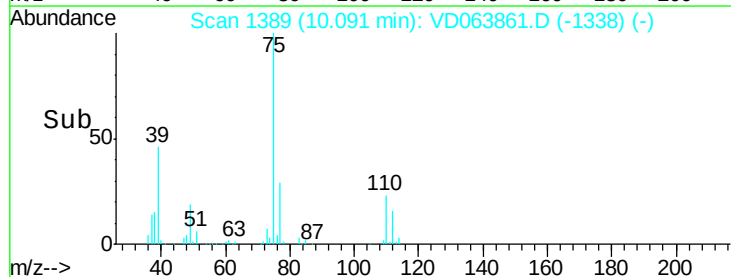
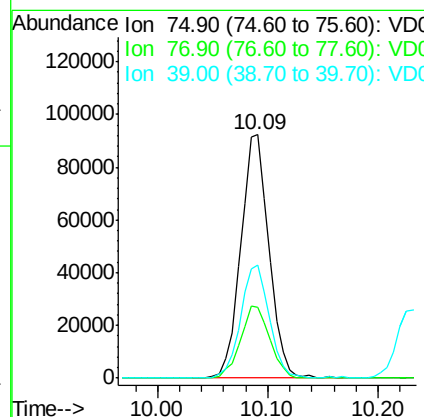
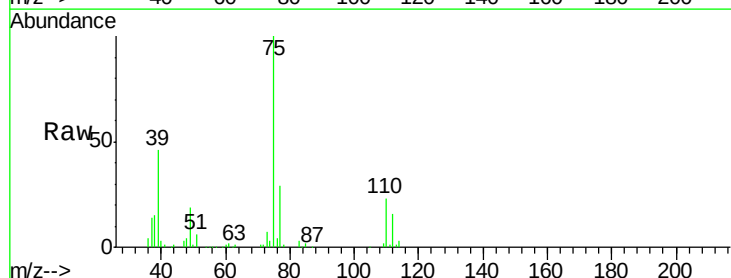
Manual Integrations
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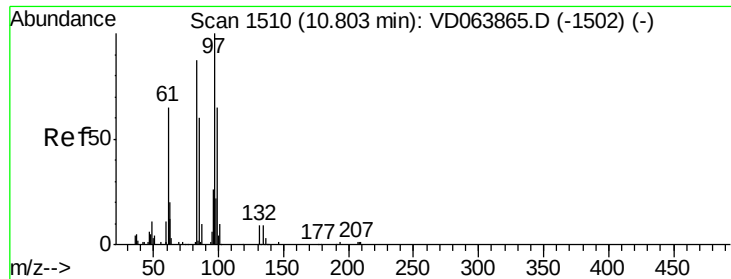
MMDadoda
 10/3/2019 12:54:24 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.459 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 75 Resp: 165980
 Ion Ratio Lower Upper
 75 100
 77 29.3 23.2 34.8
 39 46.2 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 51.188 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 82163

Ion Ratio Lower Upper

97 100

83 77.0 69.7 104.5

85 51.7 48.1 72.1

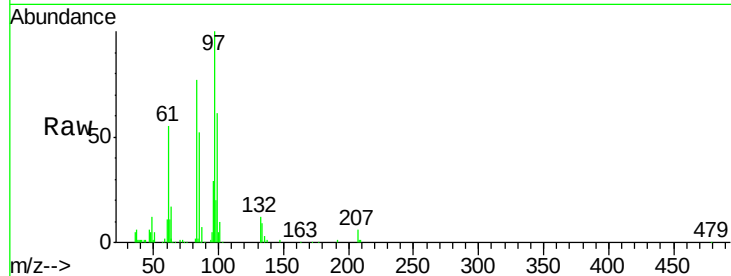
99 61.3 51.9 77.9

Manual Integrations

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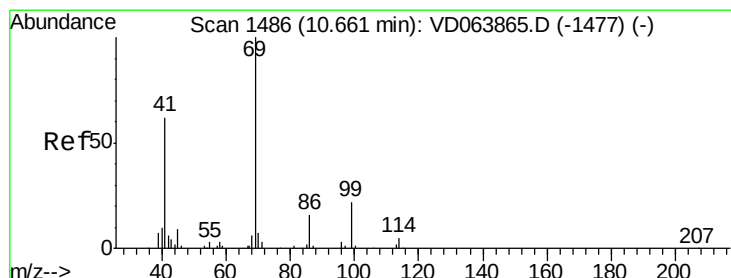
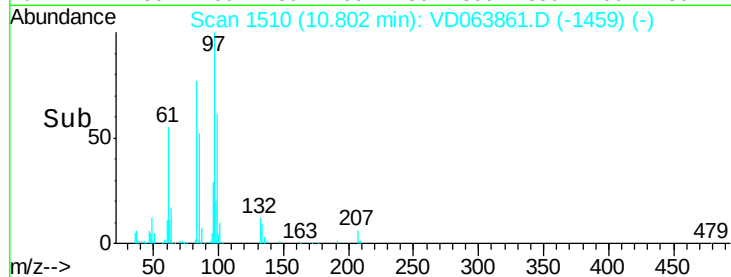
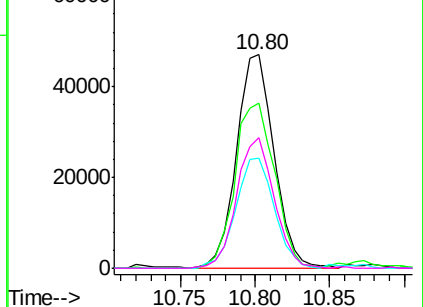


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.619 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

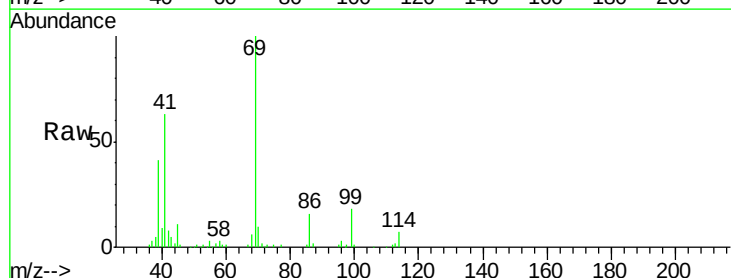
Tgt Ion: 69 Resp: 103599

Ion Ratio Lower Upper

69 100

41 60.5 51.3 76.9

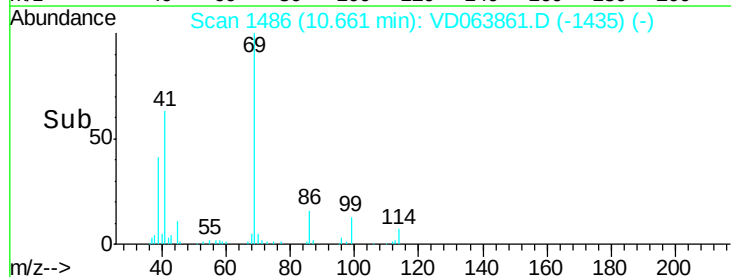
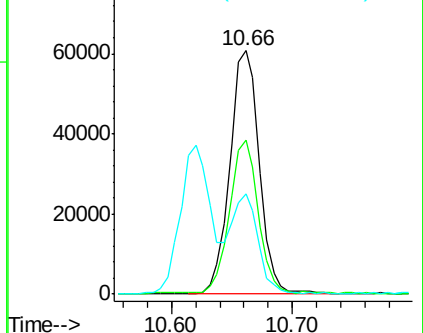
39 36.6 28.0 42.0

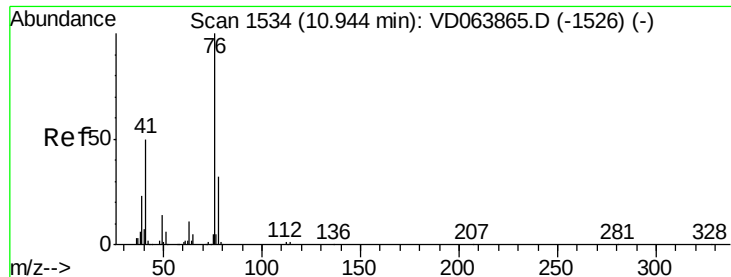


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





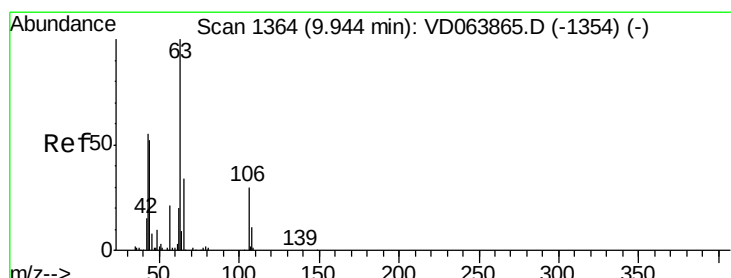
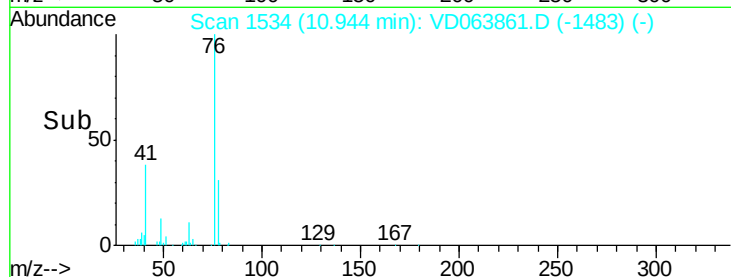
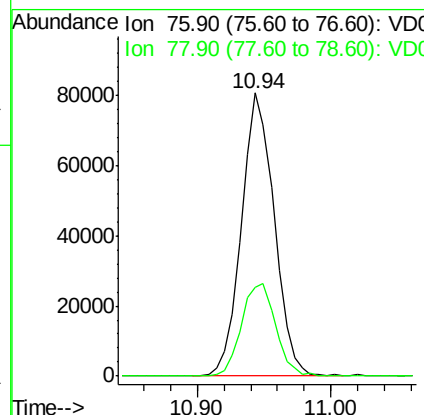
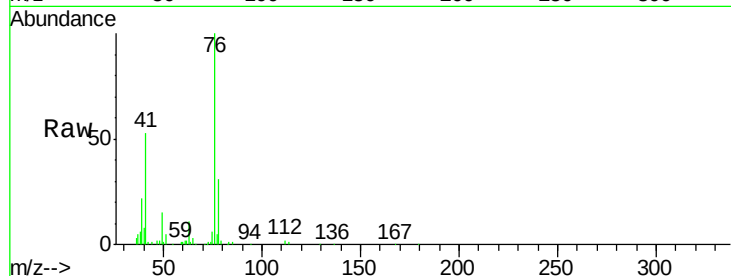
#57
 1,3-Dichloropropane
 Concen: 49.901 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	26.6	40.0

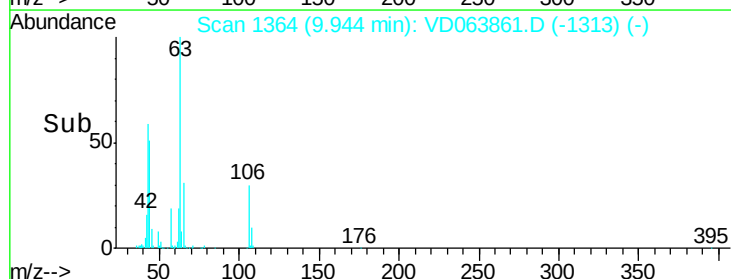
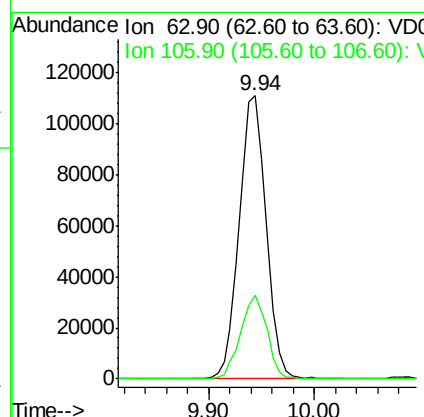
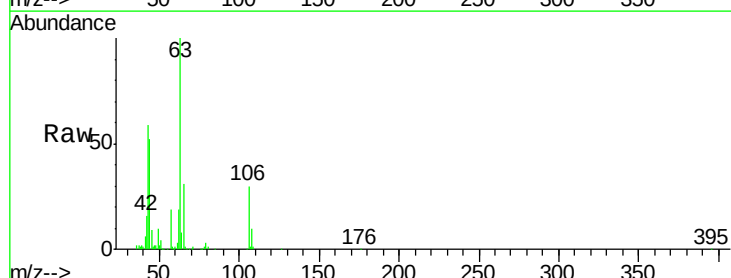
Manual Integrations
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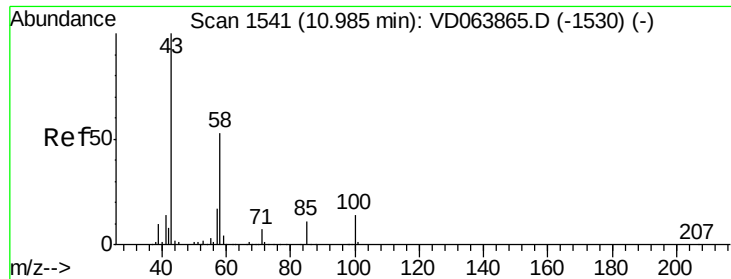
MMDadoda
 10/3/2019 12:54:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.900 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	24.3	36.5





#59

2-Hexanone

Concen: 246.090 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 224086

Ion Ratio Lower Upper

43 100

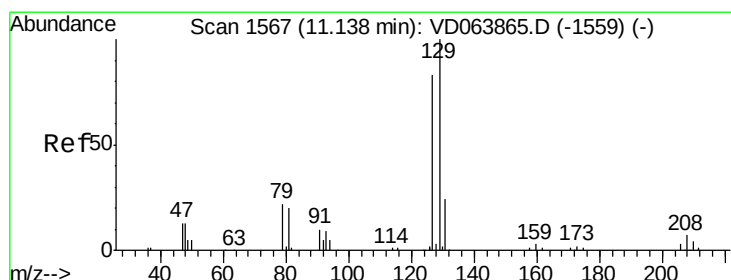
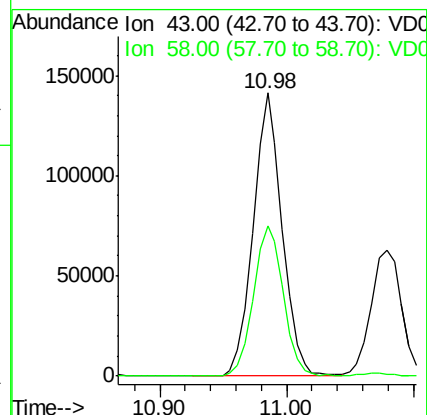
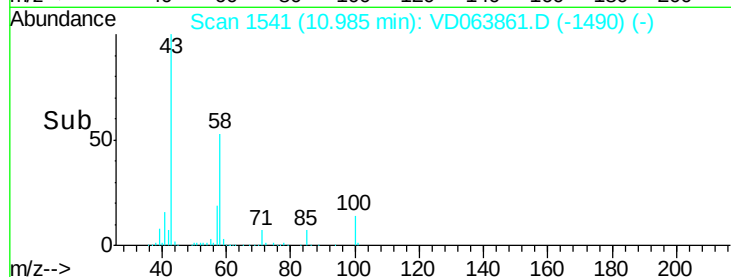
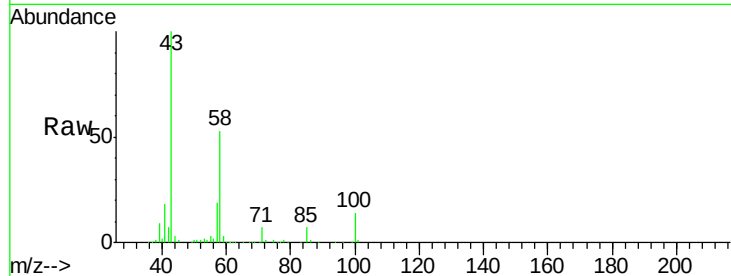
58 54.9 27.7 83.0

Manual Integrations

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10/3/2019 12:54:24 PM



#60

Dibromochloromethane

Concen: 50.864 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD063861.D

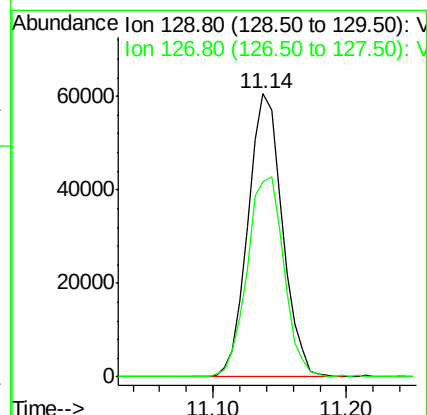
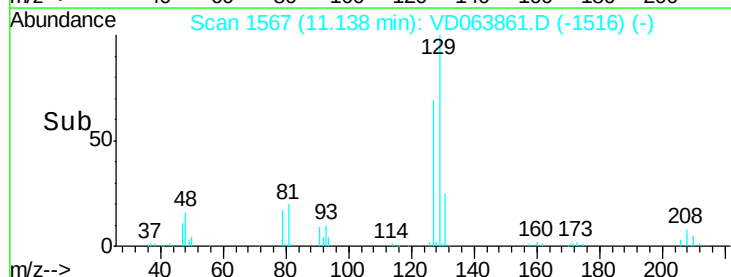
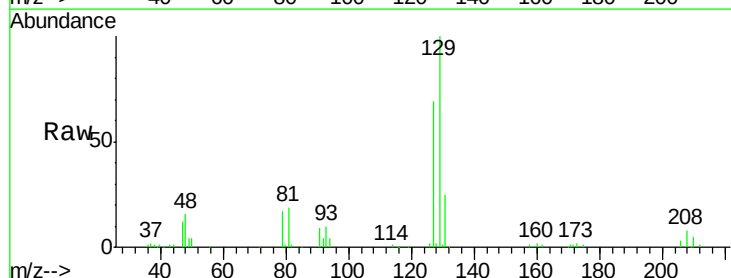
Acq: 02 Oct 2019 15:00

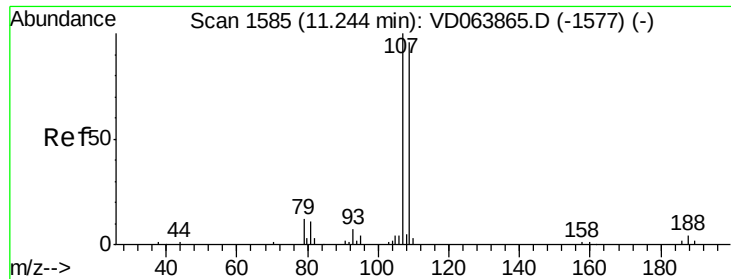
Tgt Ion: 129 Resp: 107863

Ion Ratio Lower Upper

129 100

127 75.0 39.9 119.6





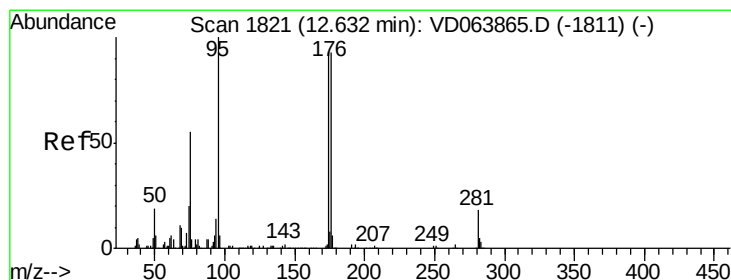
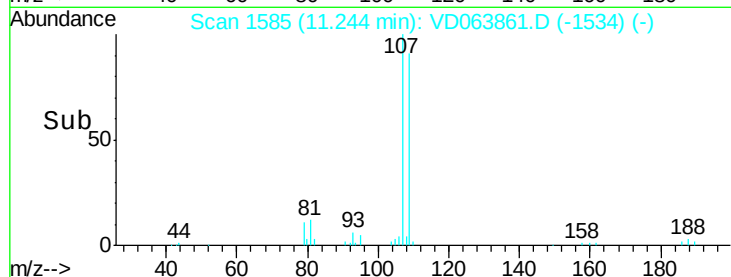
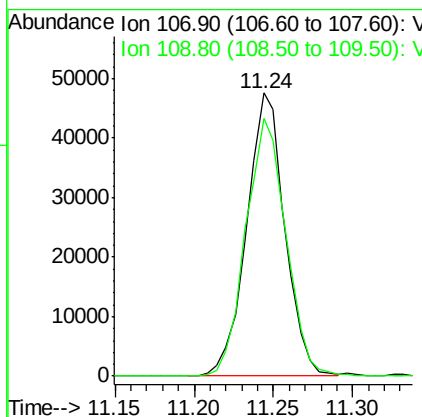
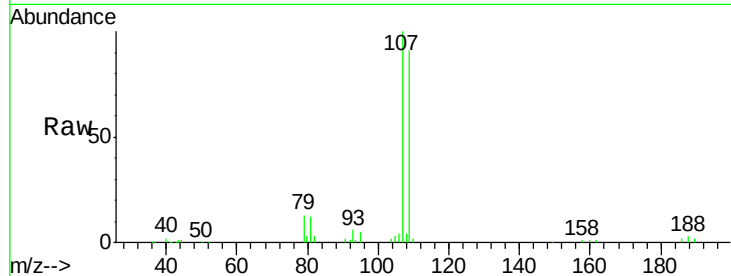
#61
 1,2-Dibromoethane
 Concen: 49.439 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 79620
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.2 112.8

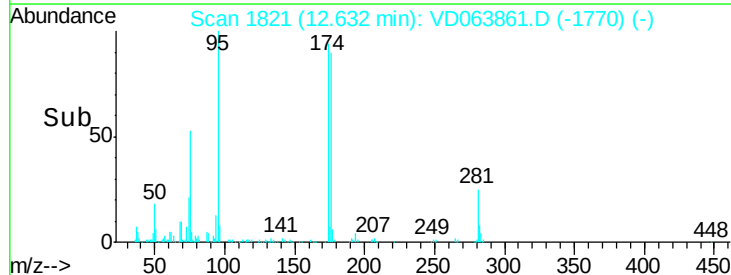
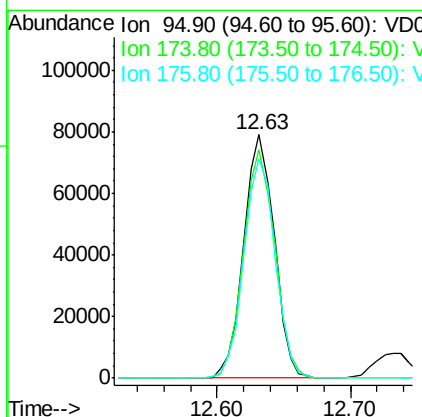
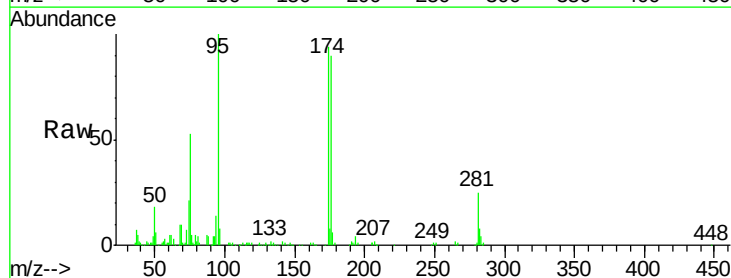
Manual Integrations
 APPROVED

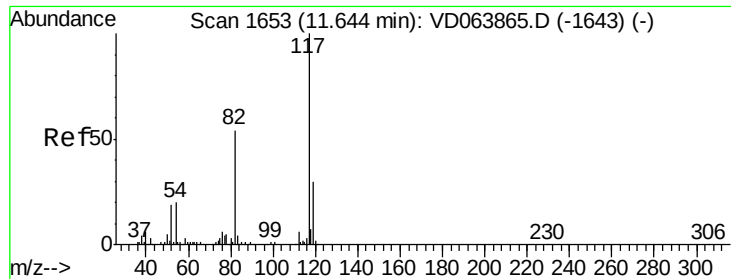
MMDadoda
 10/3/2019 12:54:24 PM



#62
 4-Bromofluorobenzene
 Concen: 44.931 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 95 Resp: 125347
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 186.4
 176 92.2 0.0 184.2





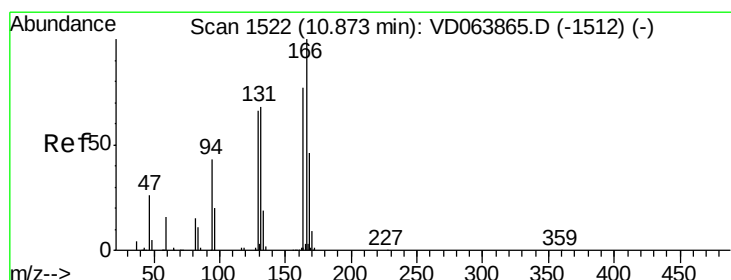
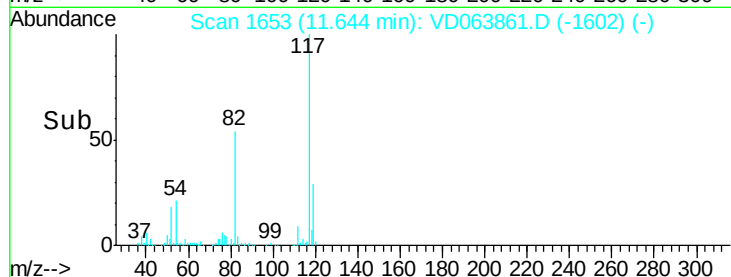
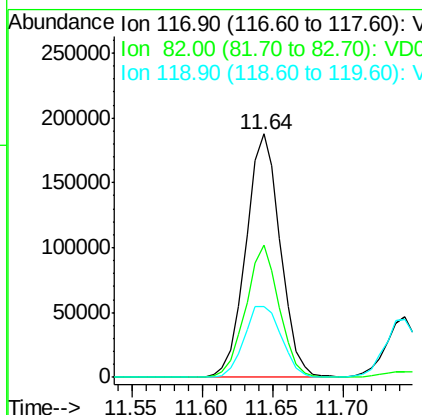
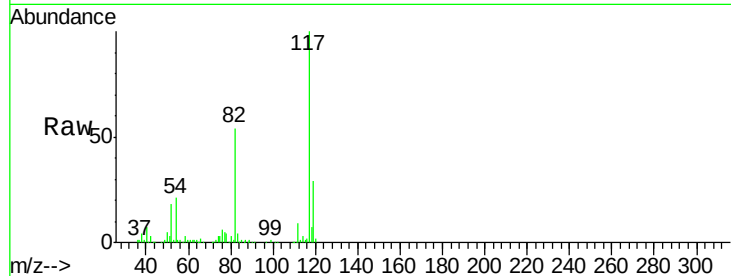
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.8	64.2
119	29.1	24.4	36.6

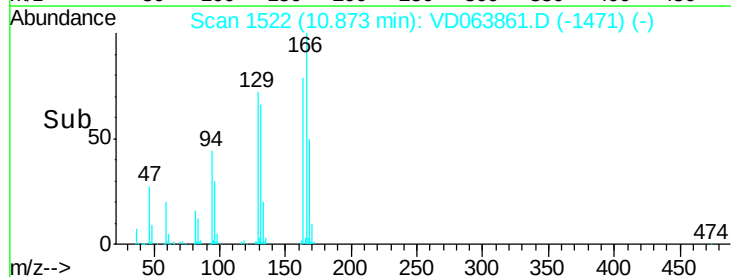
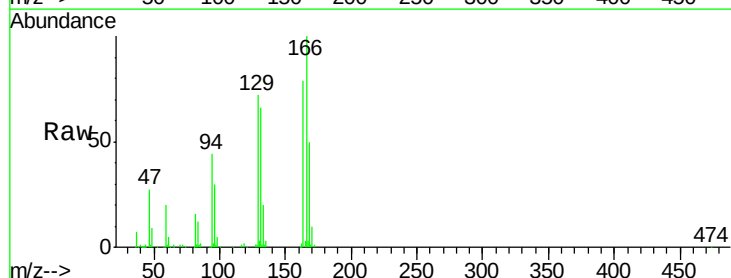
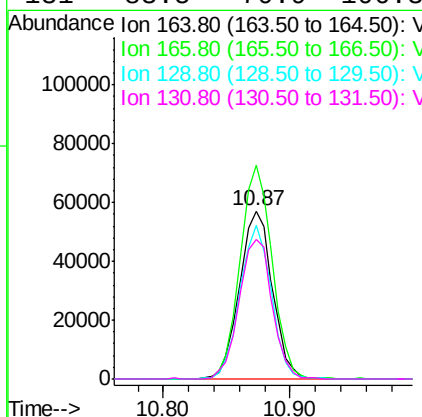
Manual Integrations
APPROVED

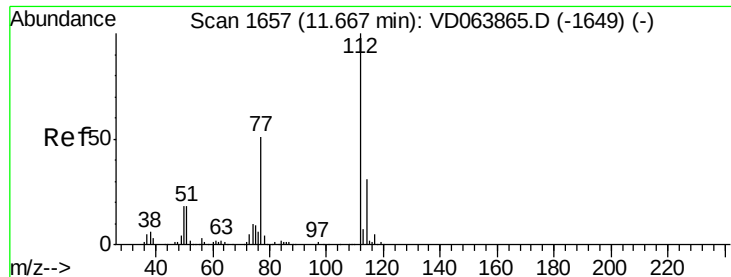
MMDadoda
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#64
Tetrachloroethene
Concen: 48.044 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.8	155.6
129	91.5	68.9	103.3
131	83.5	70.9	106.3





#65

Chlorobenzene

Concen: 48.326 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 309996

Ion Ratio Lower Upper

112 100

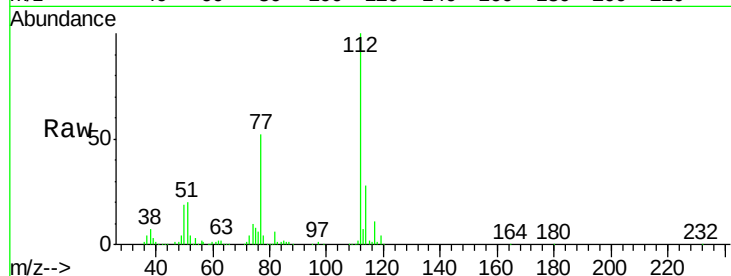
114 27.6 25.1 37.7

Manual Integrations

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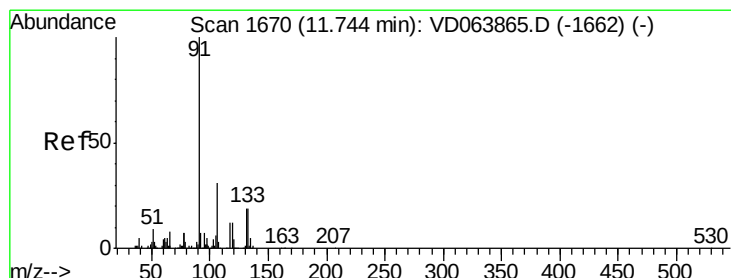
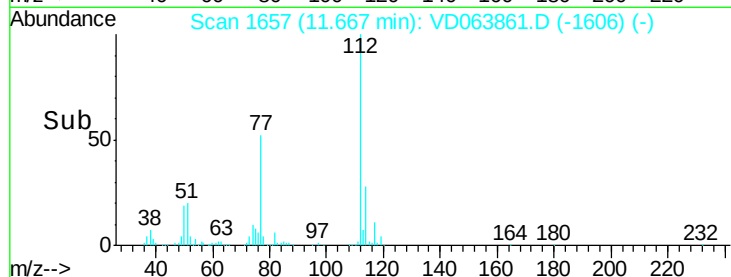
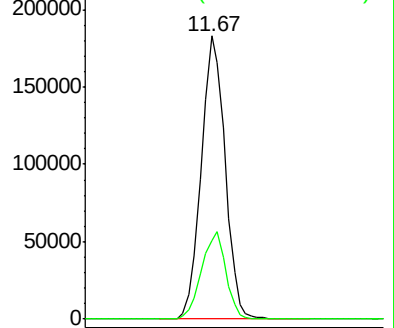
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.731 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

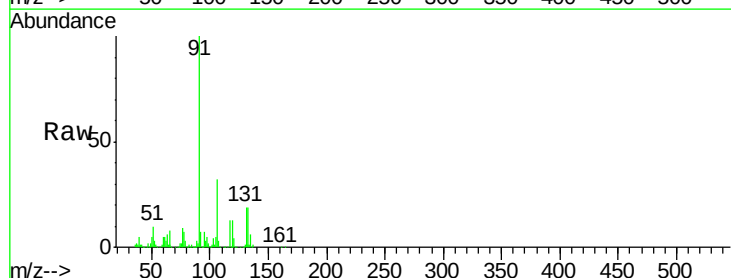
Tgt Ion:131 Resp: 114688

Ion Ratio Lower Upper

131 100

133 95.2 48.9 146.7

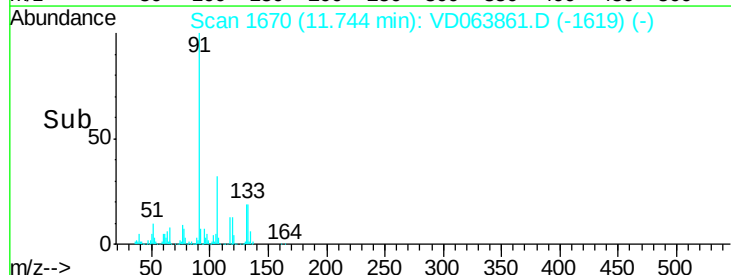
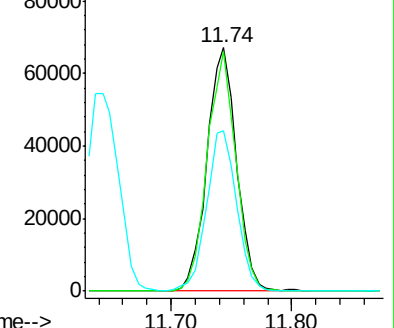
119 67.0 32.6 97.8

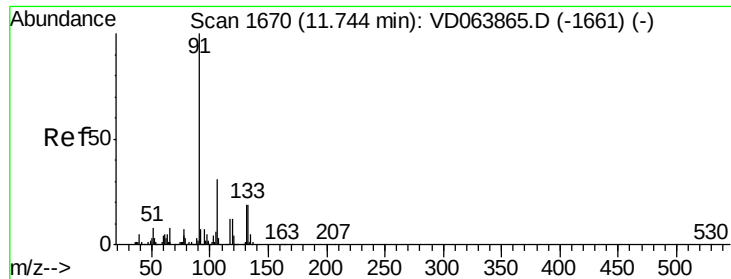


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.684 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 561232

Ion Ratio Lower Upper

91 100

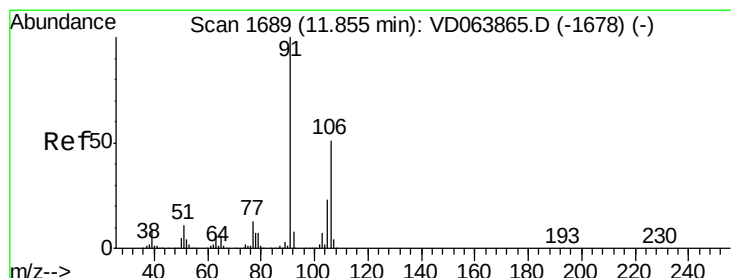
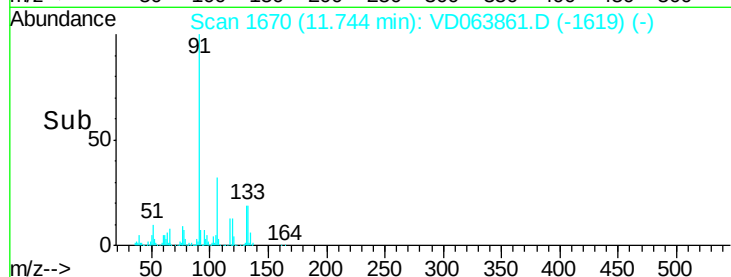
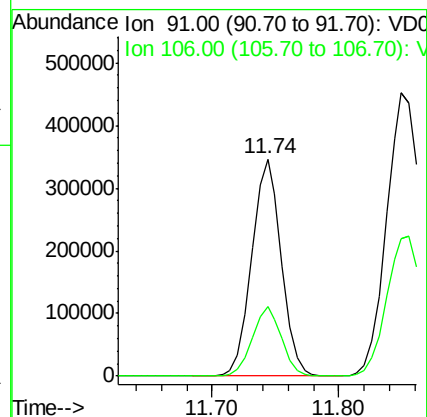
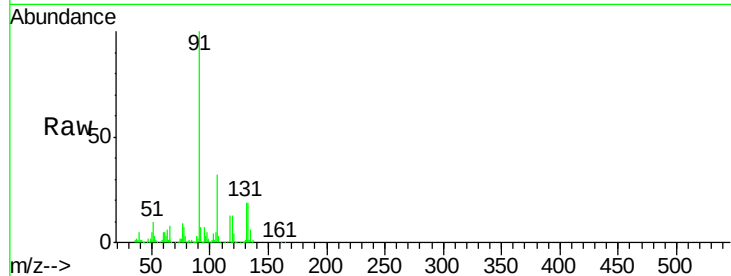
106 31.8 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.590 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063861.D

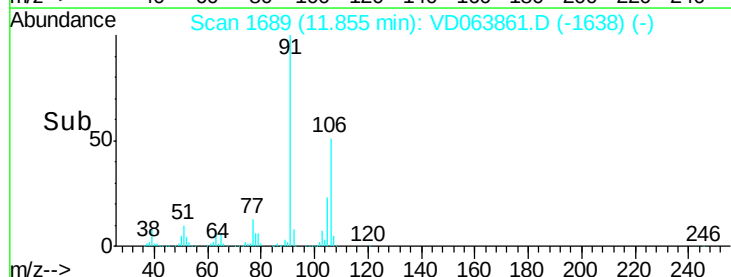
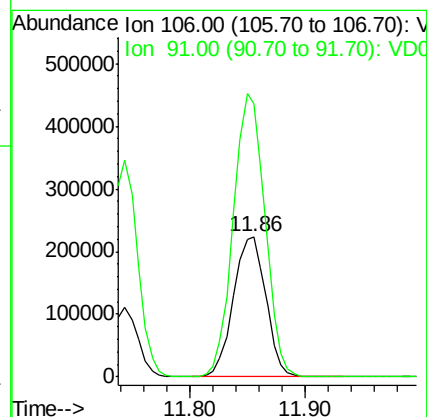
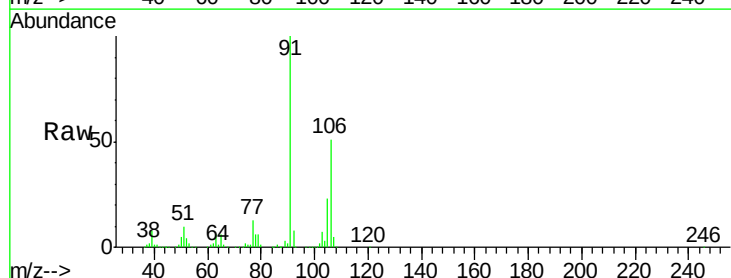
Acq: 02 Oct 2019 15:00

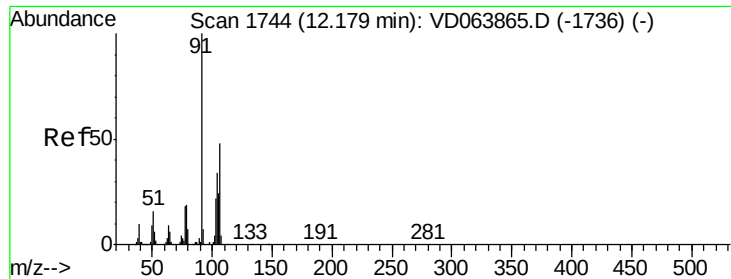
Tgt Ion: 106 Resp: 434190

Ion Ratio Lower Upper

106 100

91 198.5 154.8 232.2





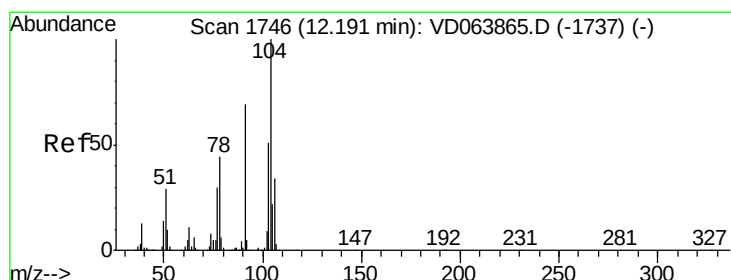
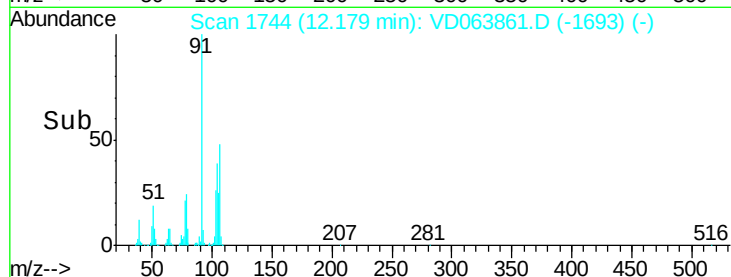
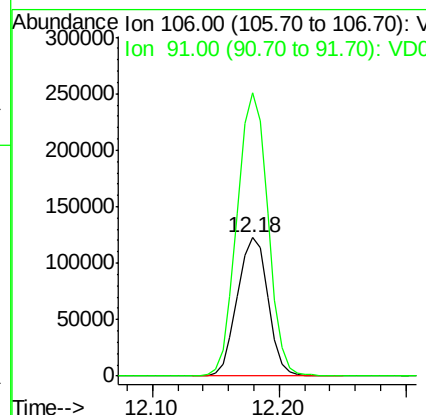
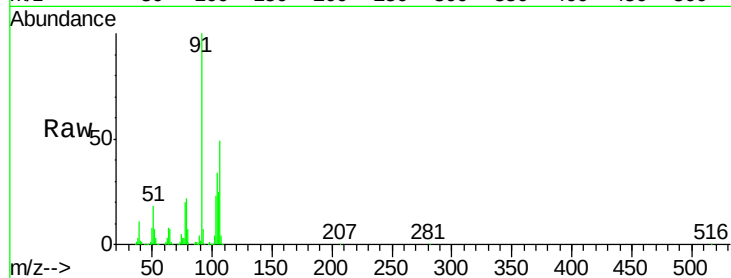
#69
o-Xylene
Concen: 49.144 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	103.9	311.7

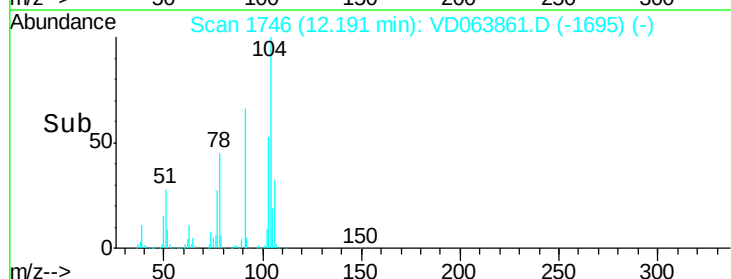
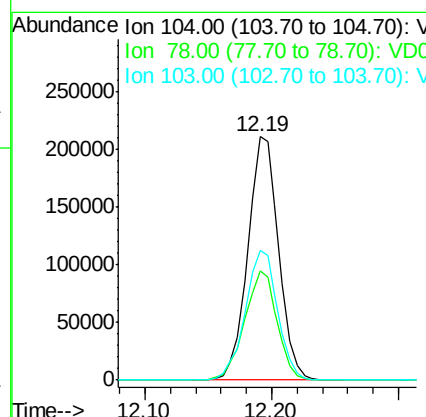
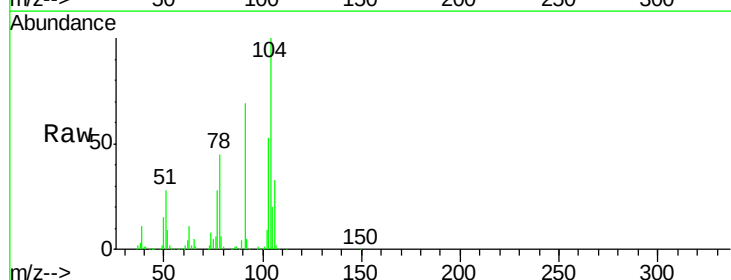
Manual Integrations
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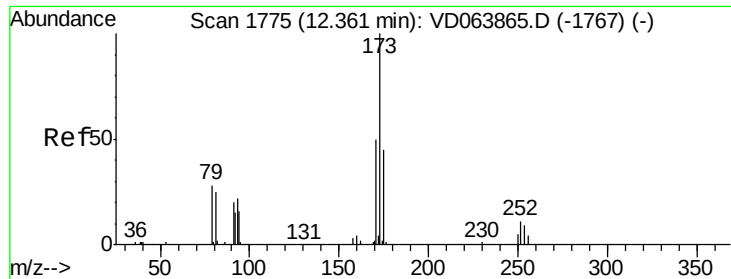
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#70
Styrene
Concen: 49.909 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.0	55.4
103	56.1	44.2	66.4





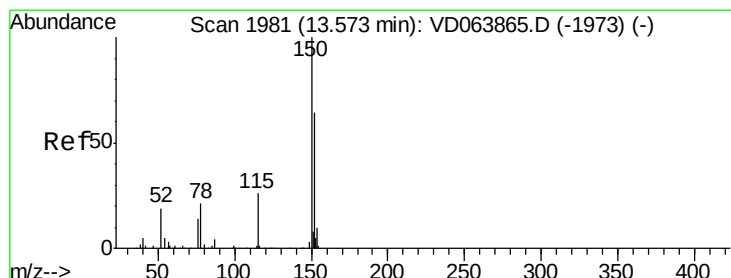
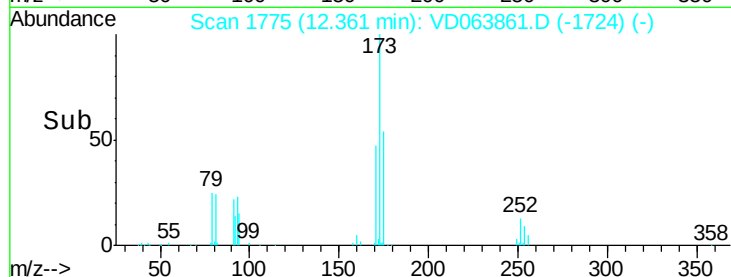
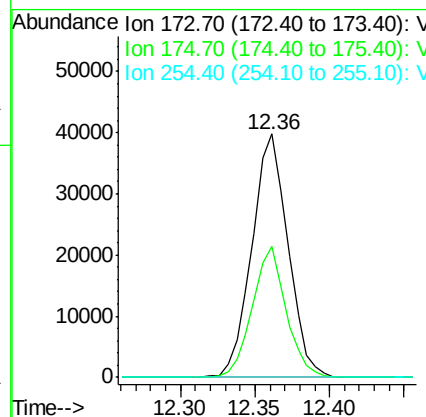
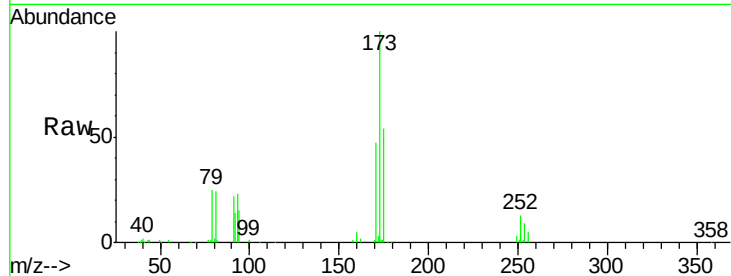
#71
Bromoform
Concen: 51.005 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.6	74.0
254	0.0	0.0	0.0

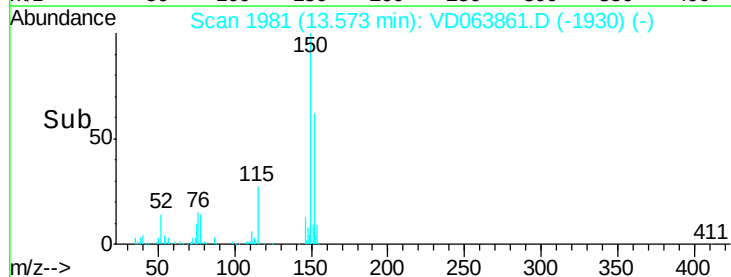
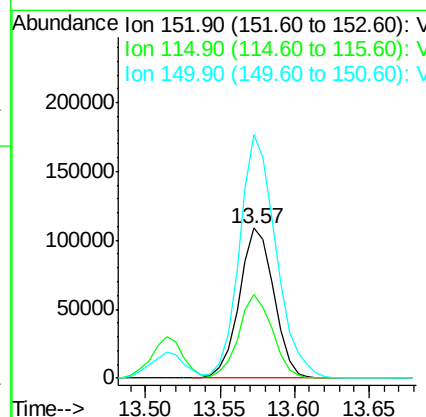
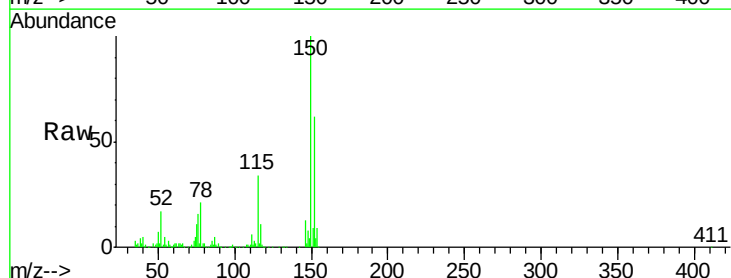
Manual Integrations
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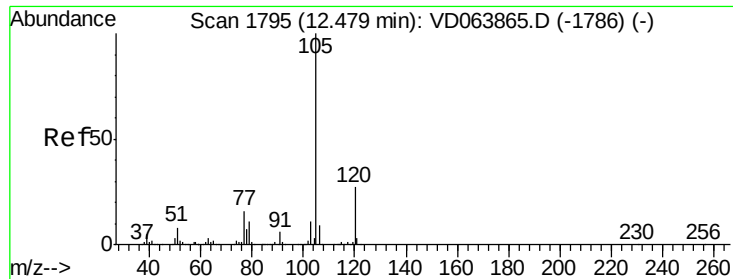
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.9	77.7
150	170.7	0.0	344.2





#73

Isopropylbenzene

Concen: 46.667 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 554407

Ion Ratio Lower Upper

105 100

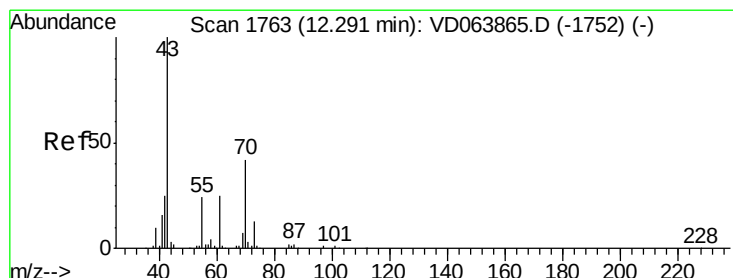
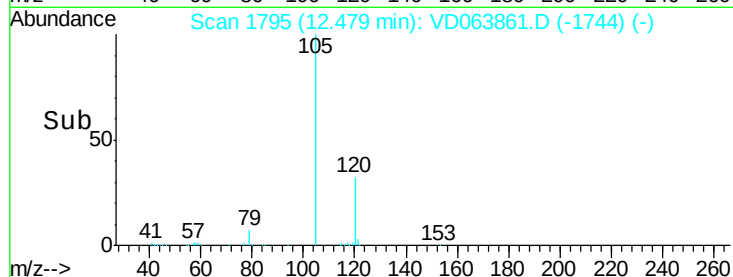
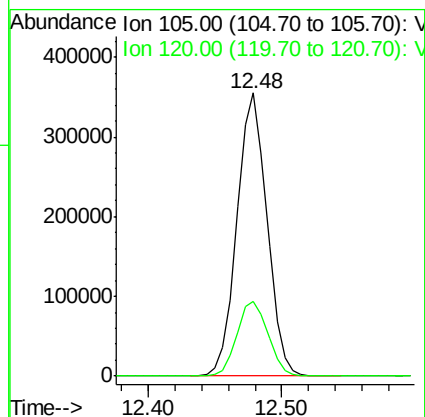
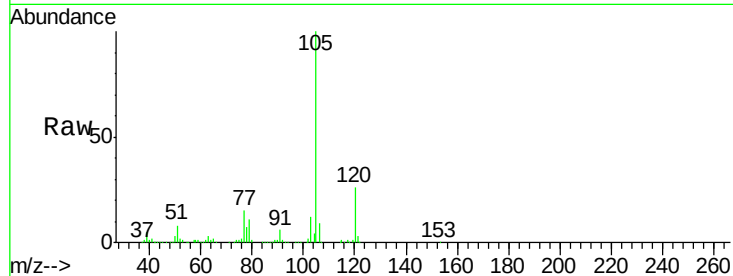
120 27.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.461 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion: 43 Resp: 118597

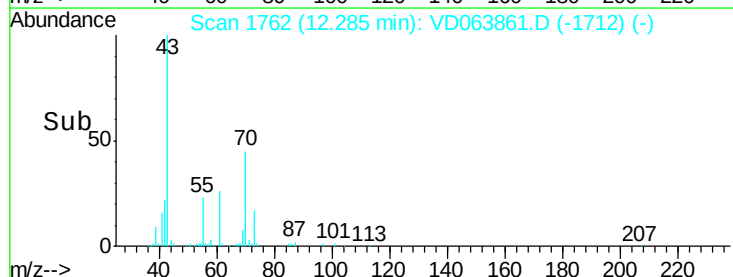
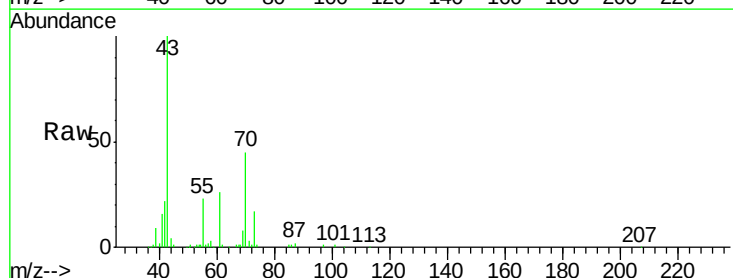
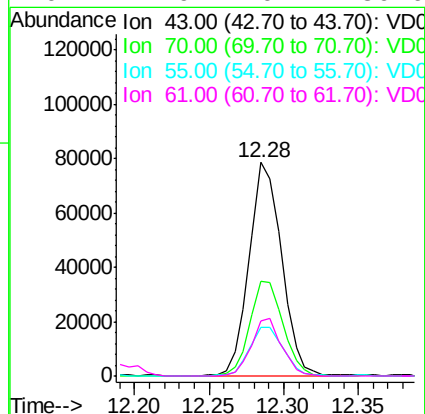
Ion Ratio Lower Upper

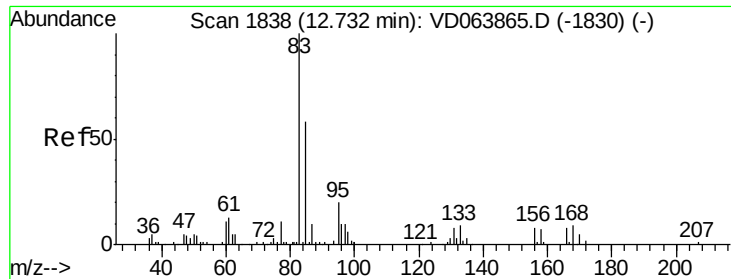
43 100

70 45.3 35.8 53.6

55 24.1 19.4 29.0

61 24.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.732 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

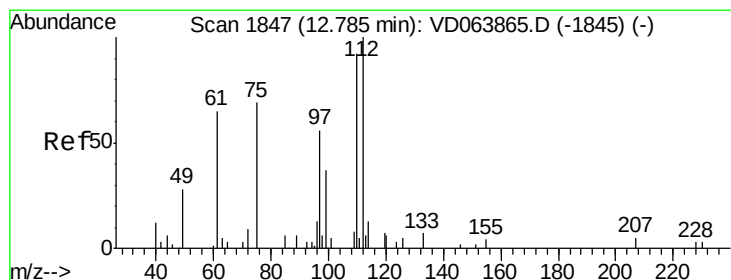
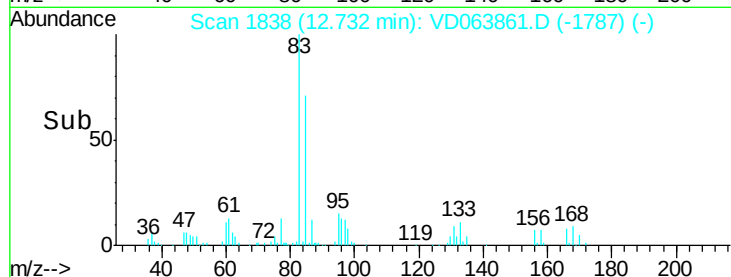
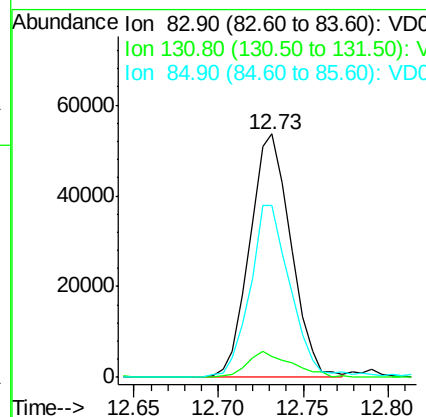
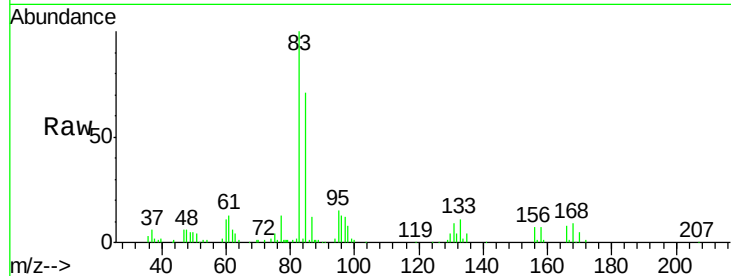
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	90924
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	70.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.651 ug/l m

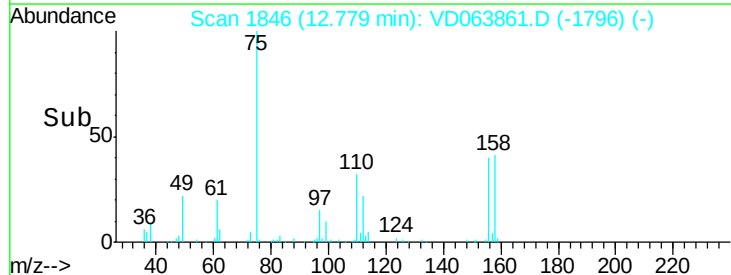
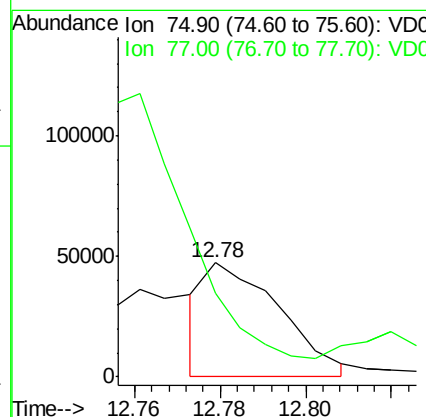
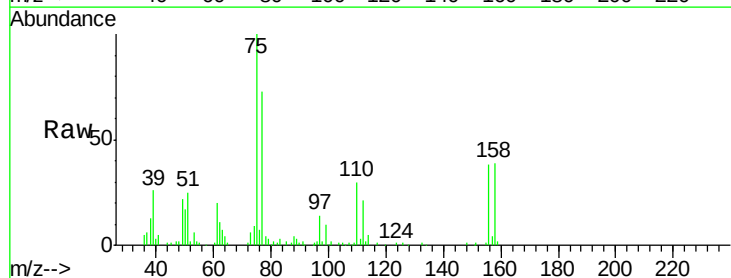
RT: 12.78 min Scan# 1846

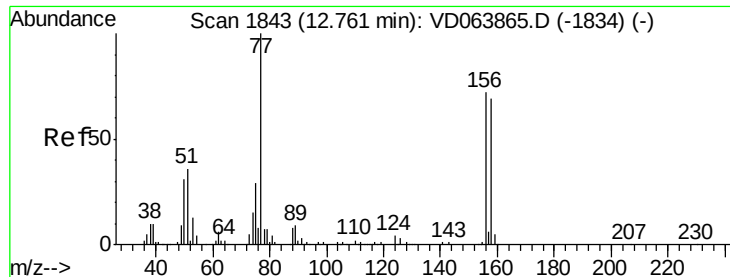
Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion:	75	Resp:	57818
Ion Ratio	Lower	Upper	
75	100		
77	379.2	0.0	0.0#





#77

Bromobenzene

Concen: 48.327 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 138728

Ion Ratio Lower Upper

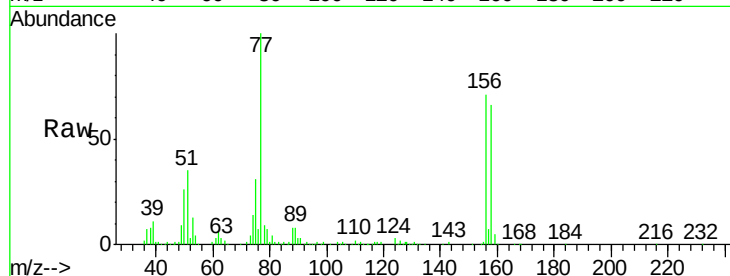
156 100

77 158.0 80.3 241.0

158 96.3 47.4 142.2

Manual Integrations
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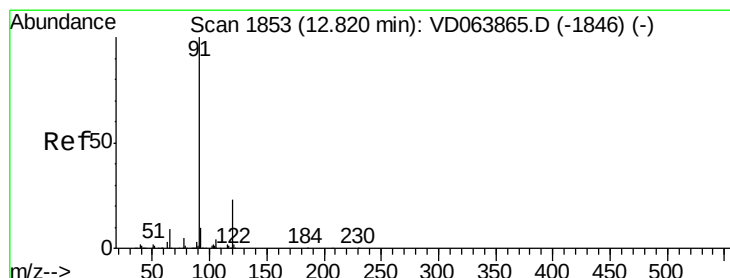
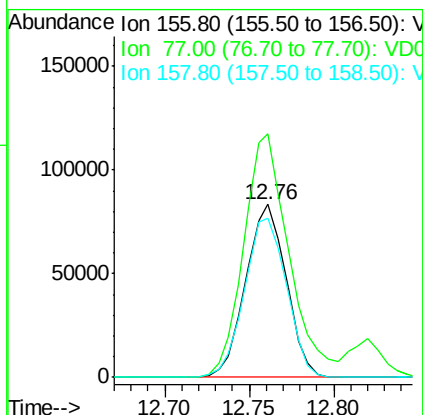
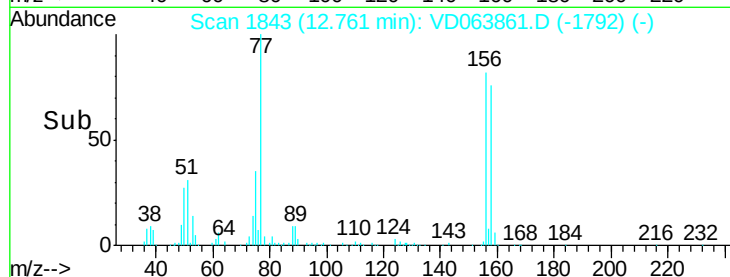
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.509 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063861.D

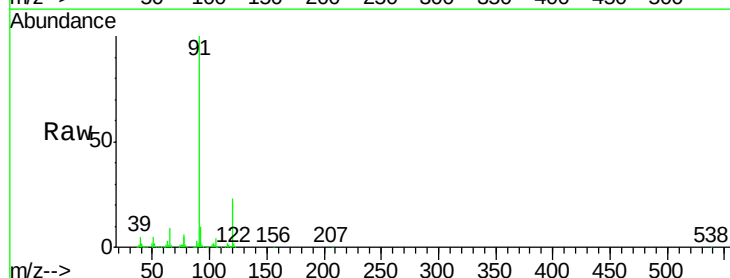
Acq: 02 Oct 2019 15:00

Tgt Ion: 91 Resp: 650606

Ion Ratio Lower Upper

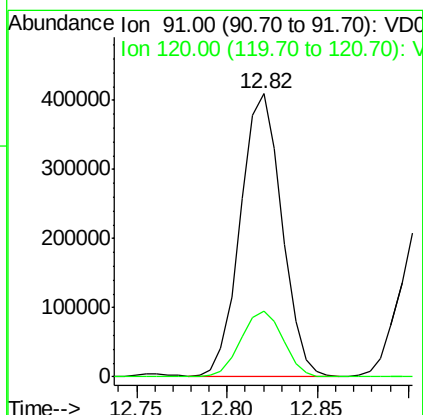
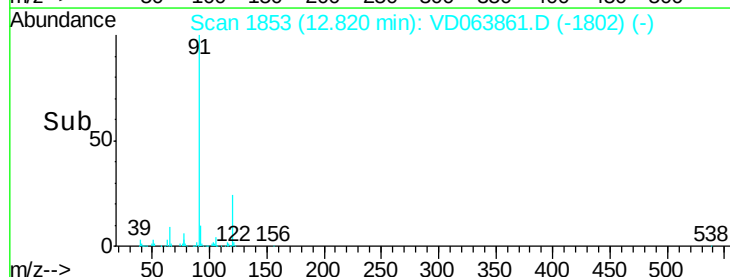
91 100

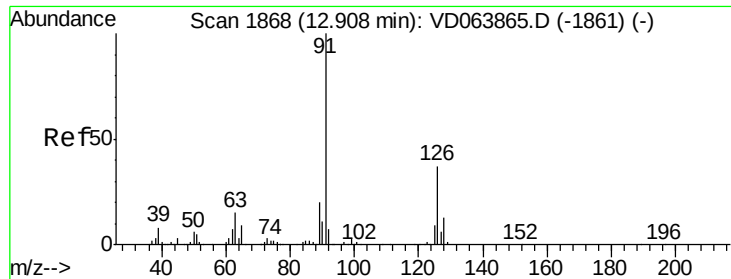
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





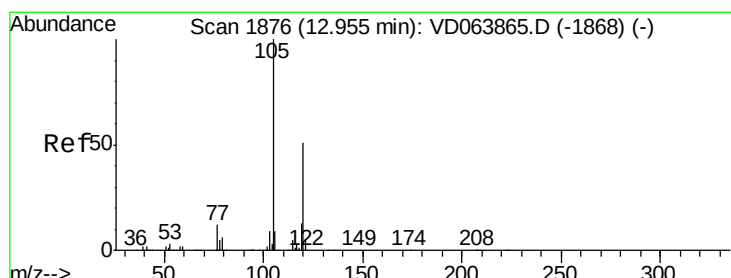
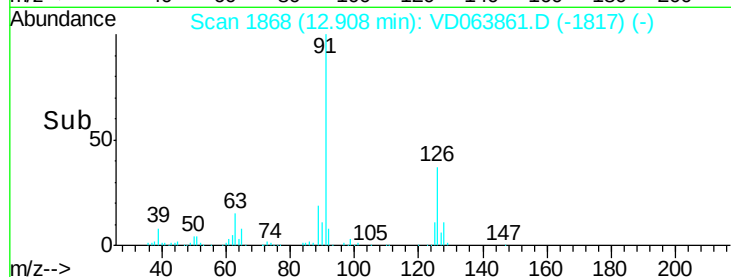
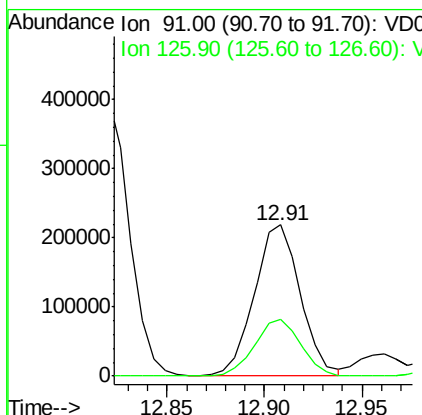
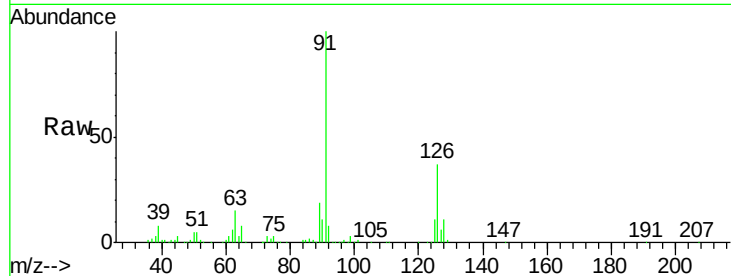
#79
2-Chlorotoluene
Concen: 47.294 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 356444
Ion Ratio Lower Upper
91 100
126 37.7 18.4 55.2

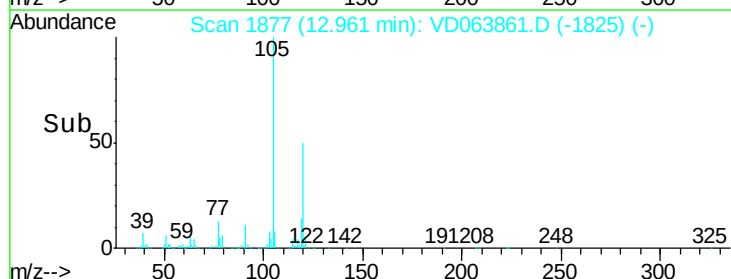
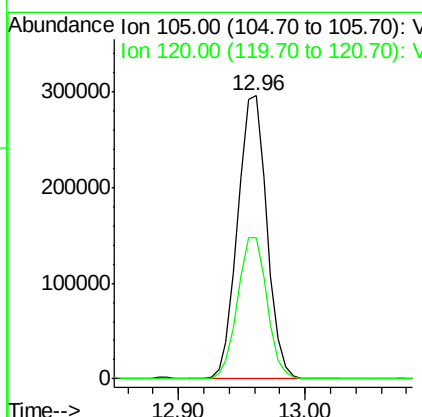
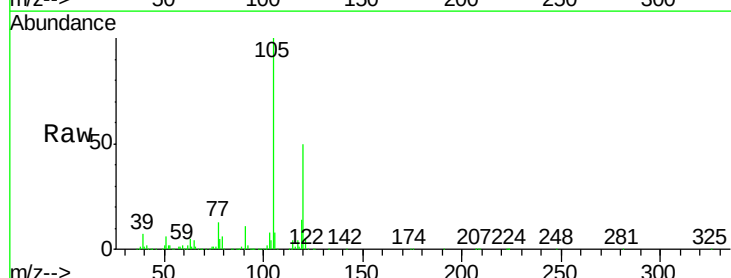
Manual Integrations
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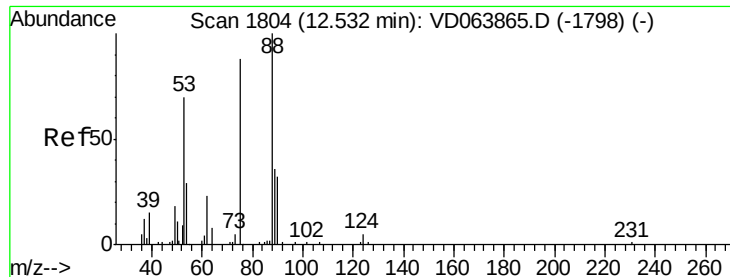
MMDadoda
10/3/2019 12:54:24 PM



#80
1,3,5-Trimethylbenzene
Concen: 47.517 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 105 Resp: 470296
Ion Ratio Lower Upper
105 100
120 50.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.523 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 31592

Ion Ratio Lower Upper

75 100

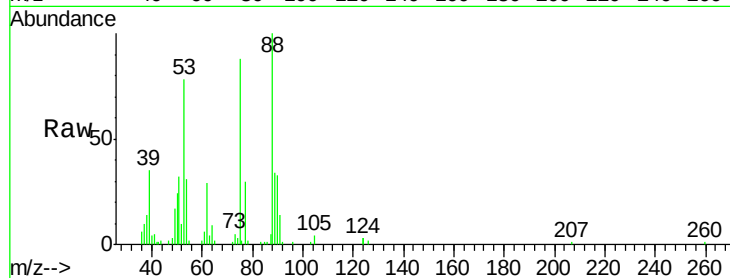
53 94.1 75.0 112.6

89 44.5 38.2 57.4

Manual Integrations
APPROVED

MMDadoda

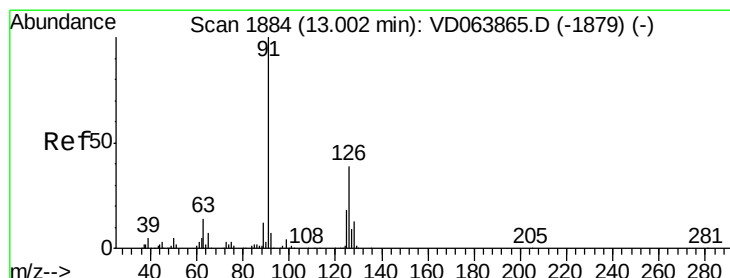
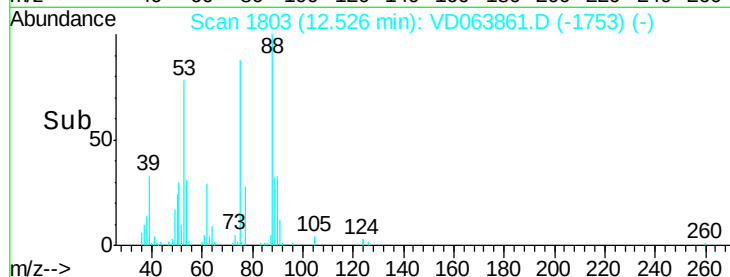
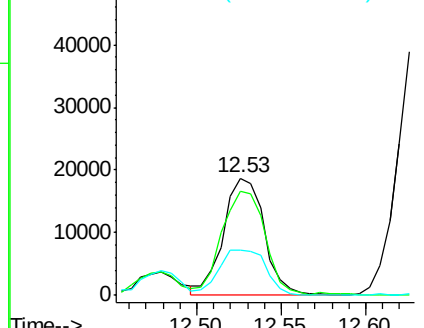
10/3/2019 12:54:24 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.397 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063861.D

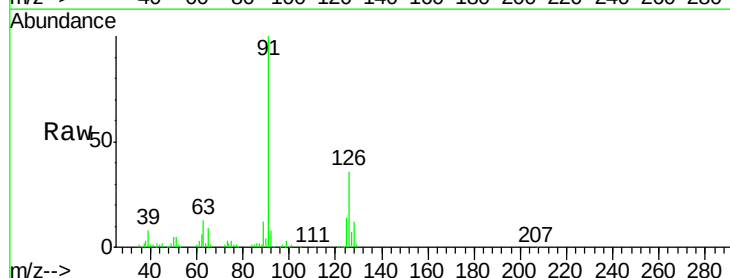
Acq: 02 Oct 2019 15:00

Tgt Ion: 91 Resp: 374367

Ion Ratio Lower Upper

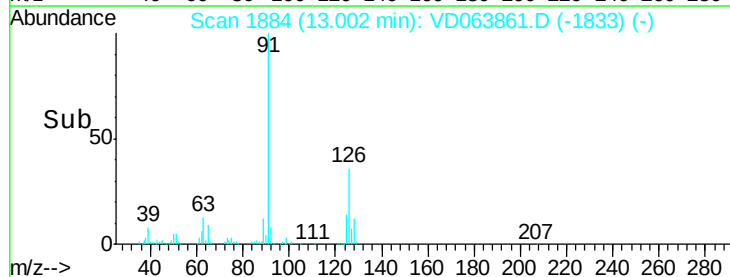
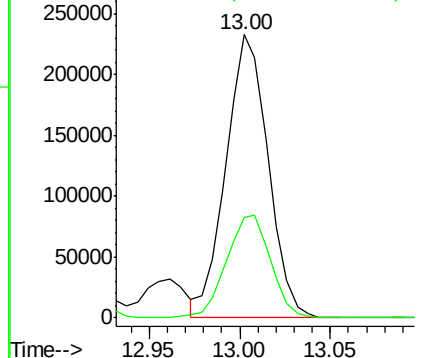
91 100

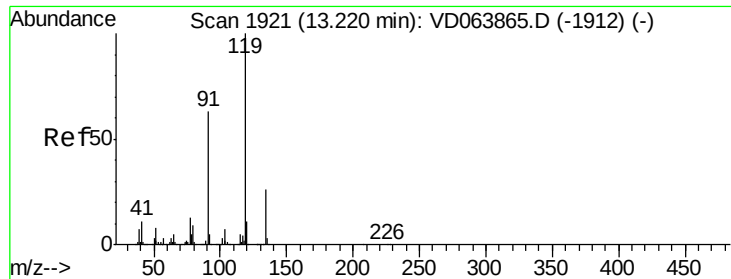
126 38.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





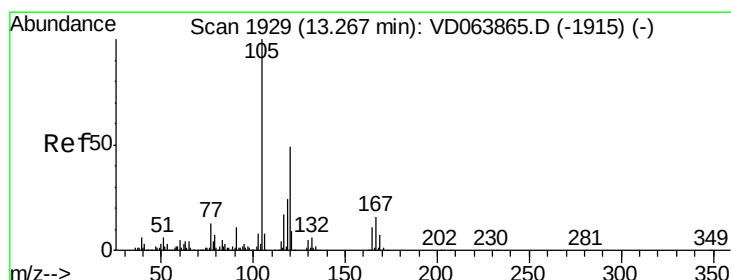
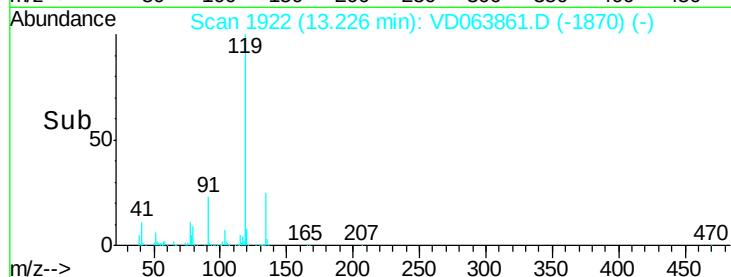
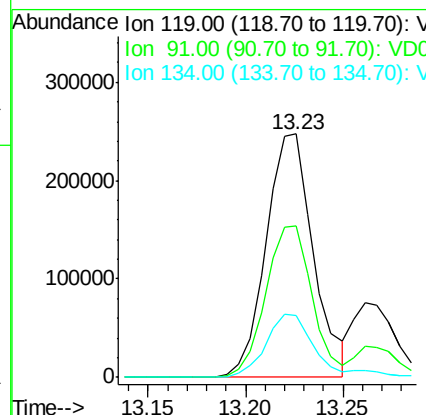
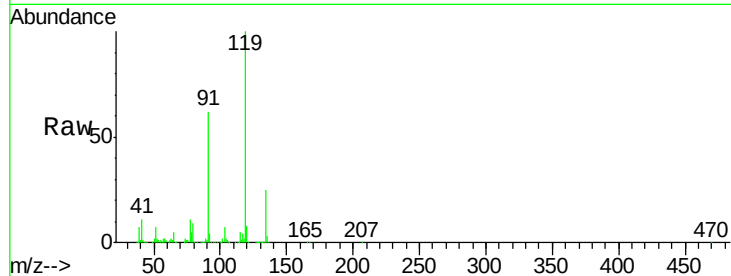
#83
 tert-Butylbenzene
 Concen: 47.868 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.0	90.0
134	27.6	13.0	38.9

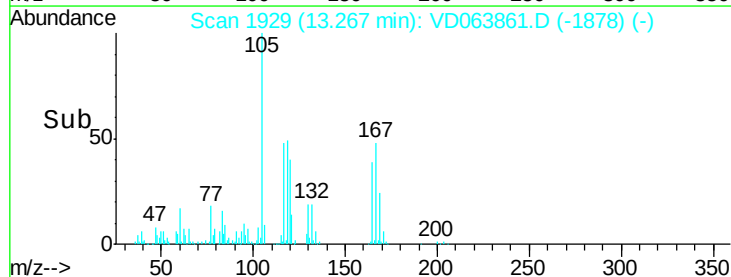
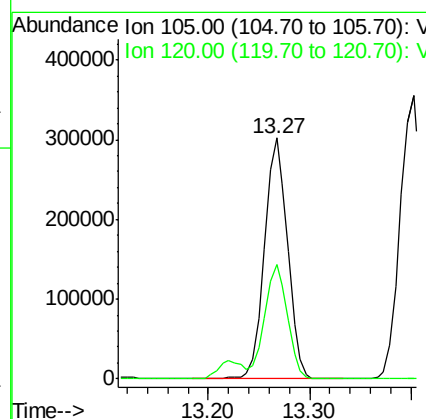
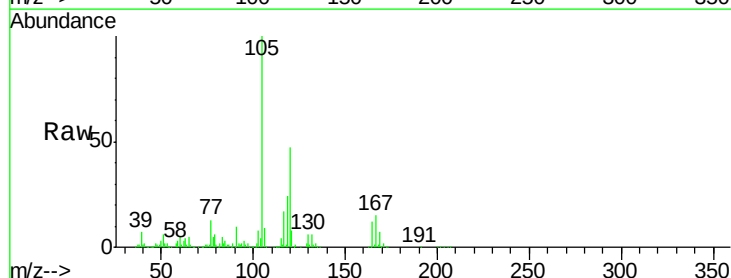
Manual Integrations
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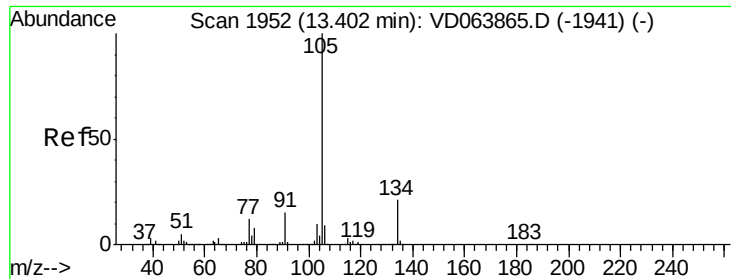
MMDadoda
 10/3/2019 12:54:24 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.273 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5





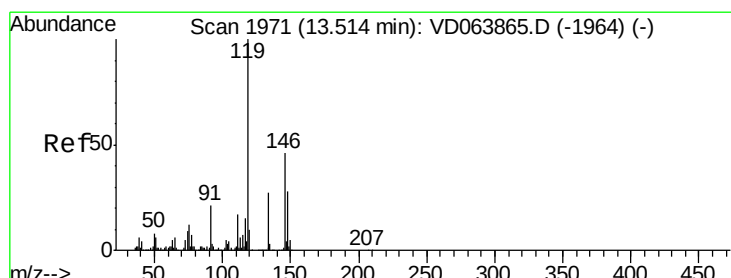
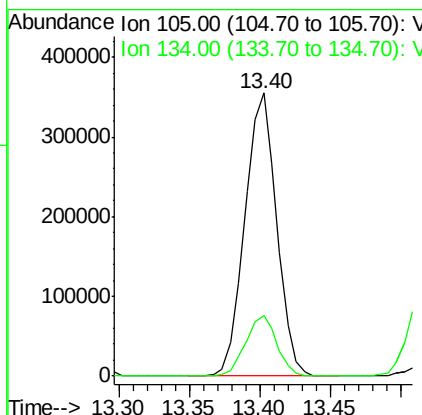
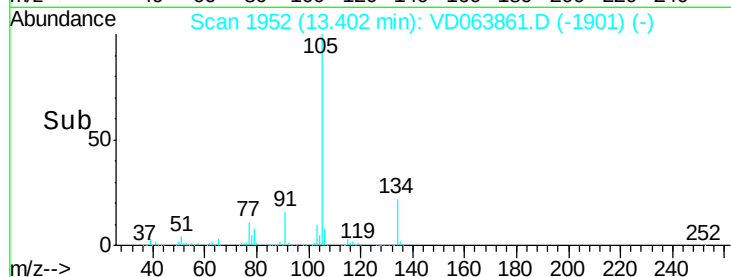
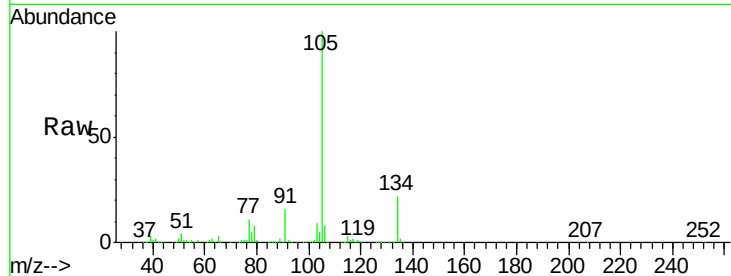
#85
 sec-Butylbenzene
 Concen: 46.650 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

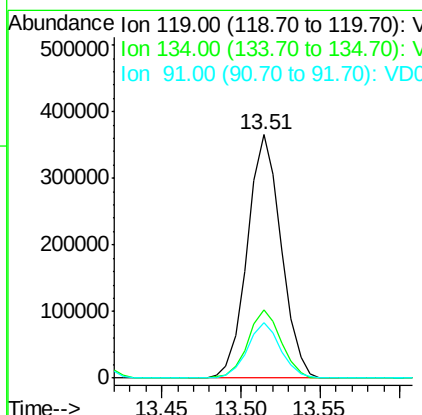
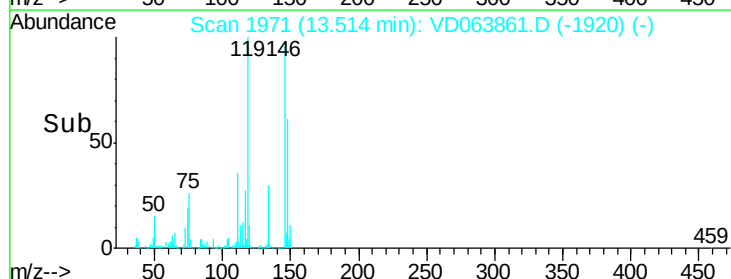
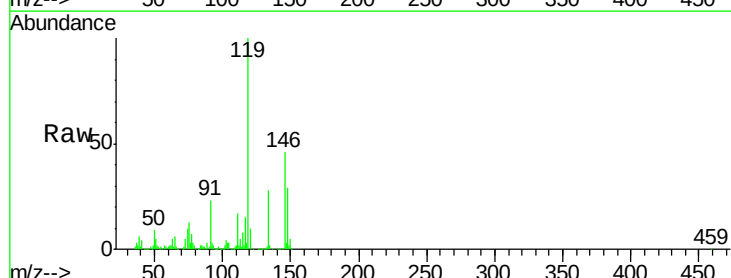
Manual Integrations
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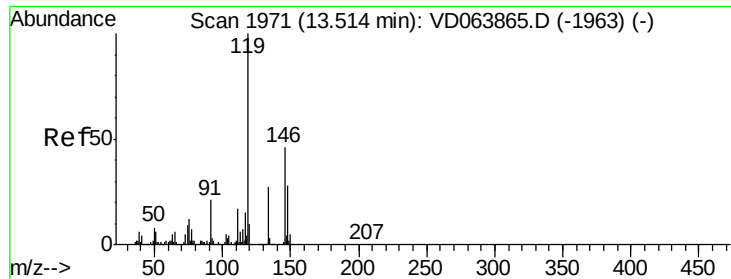
MMDadoda
 10/3/2019 12:54:24 PM



#86
 p-Isopropyltoluene
 Concen: 48.085 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.9	41.6
91	22.4	11.2	33.5





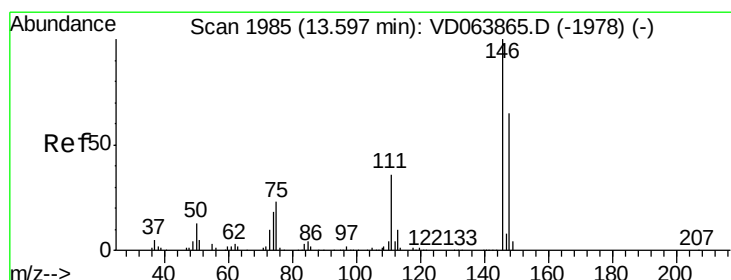
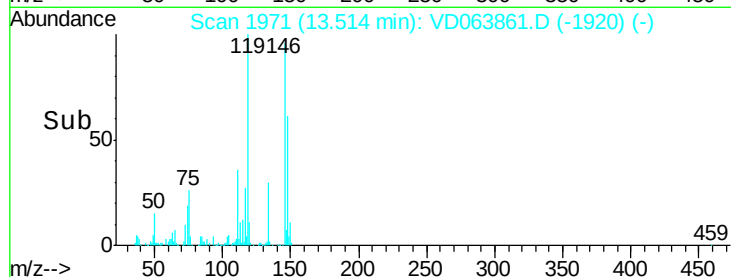
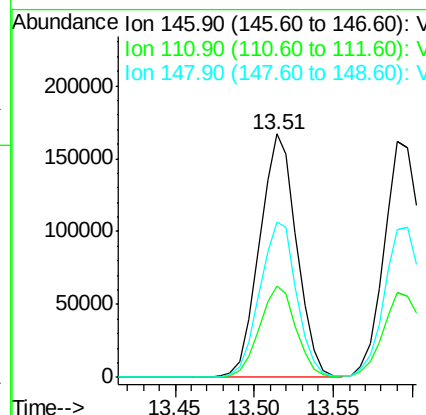
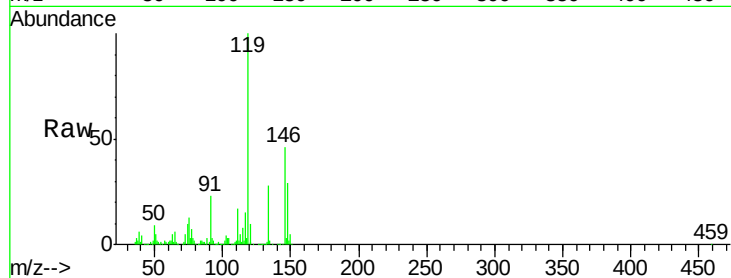
#87
 1,3-Dichlorobenzene
 Concen: 48.361 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	63.7	31.8	95.4

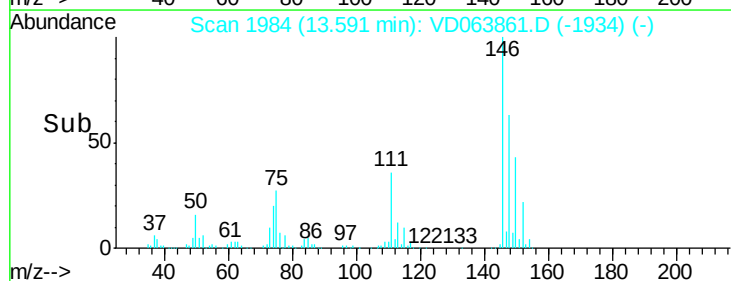
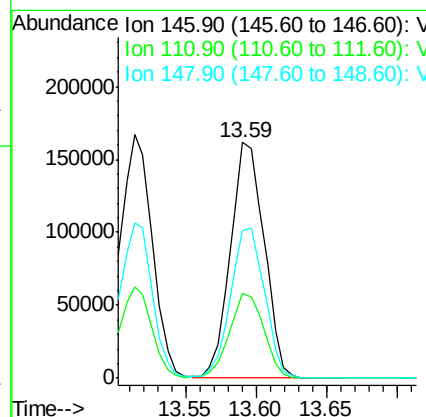
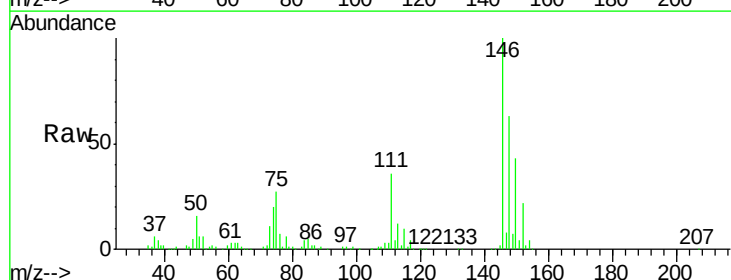
Manual Integrations
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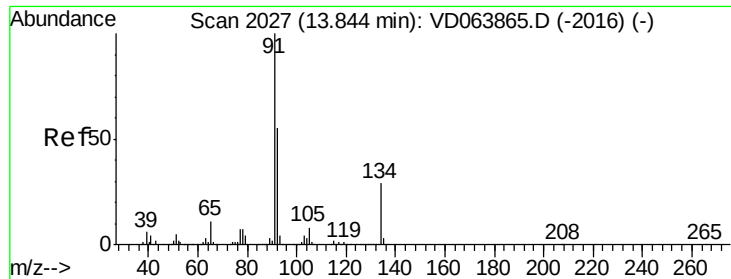
MMDadoda
 10/3/2019 12:54:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.006 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	64.0	32.6	98.0





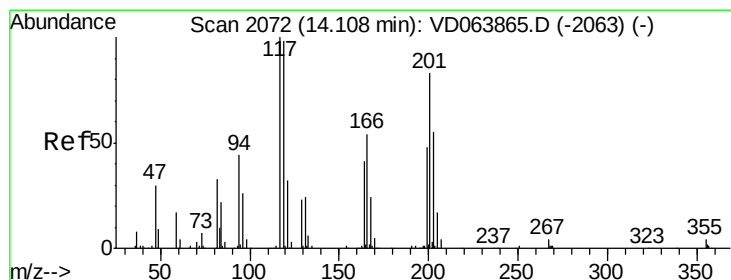
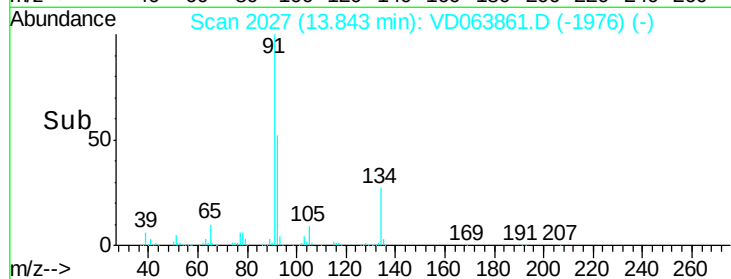
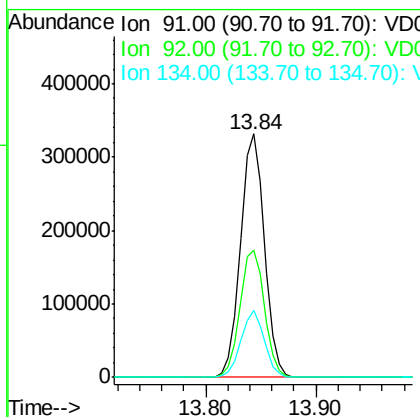
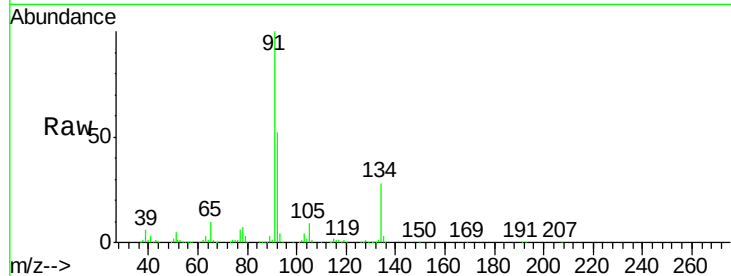
#89
n-Butylbenzene
Concen: 47.260 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	27.0	14.4	43.0

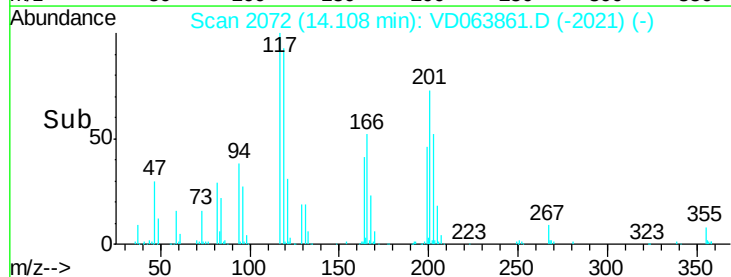
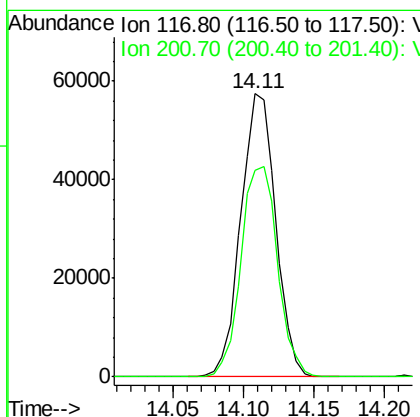
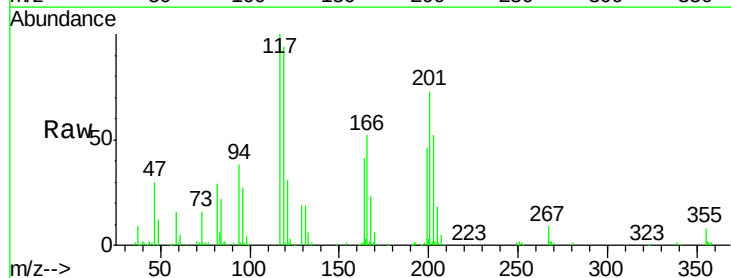
Manual Integrations
APPROVED

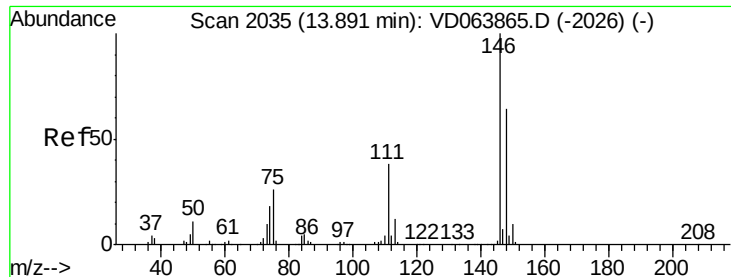
MMDadoda
10/3/2019 12:54:24 PM



#90
Hexachloroethane
Concen: 47.924 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	40.6	121.7





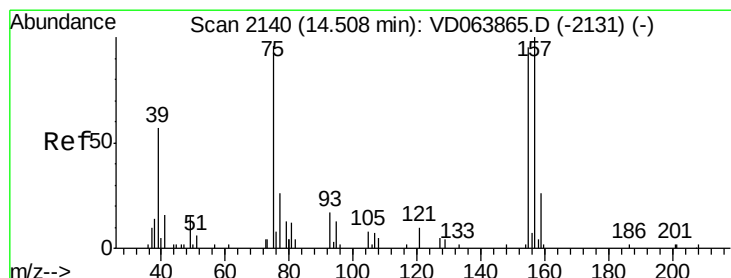
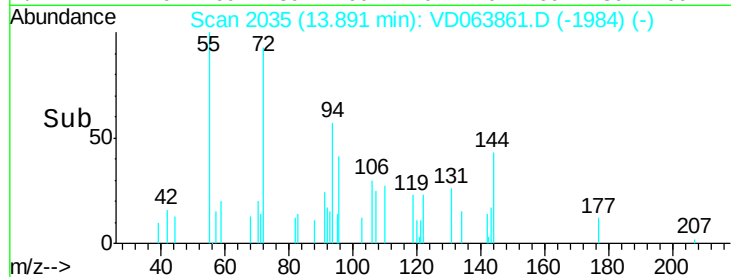
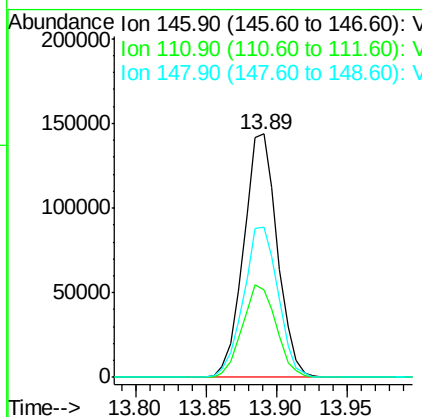
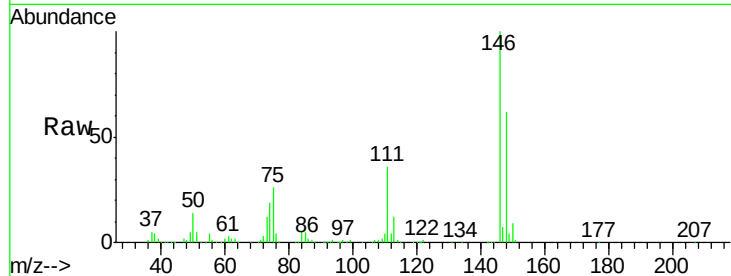
#91
 1,2-Dichlorobenzene
 Concen: 49.627 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	63.6	31.6	95.0

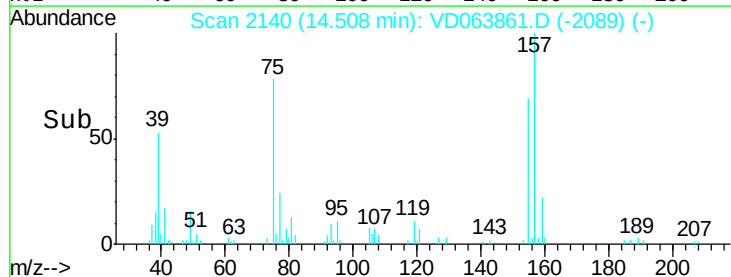
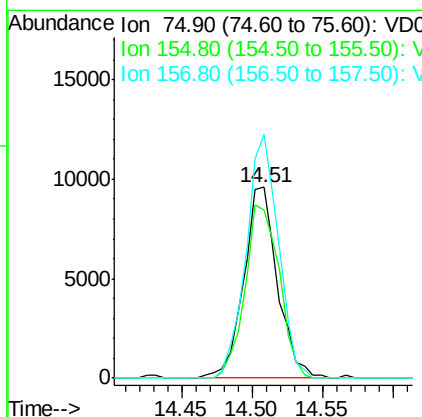
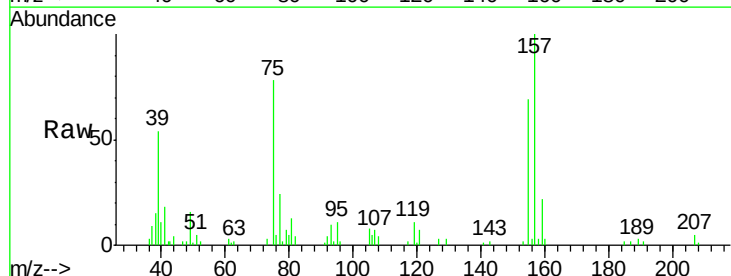
Manual Integrations
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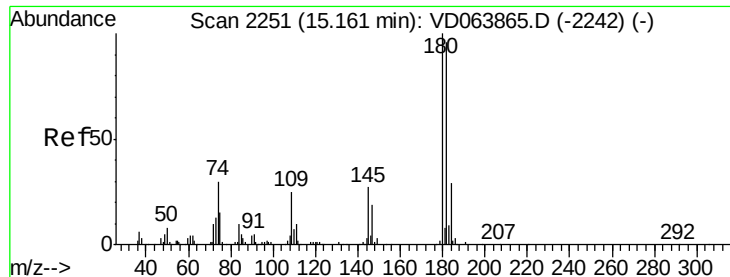
MMDadoda
 10/3/2019 12:54:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.983 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	43.9	131.6
157	121.4	56.0	167.9





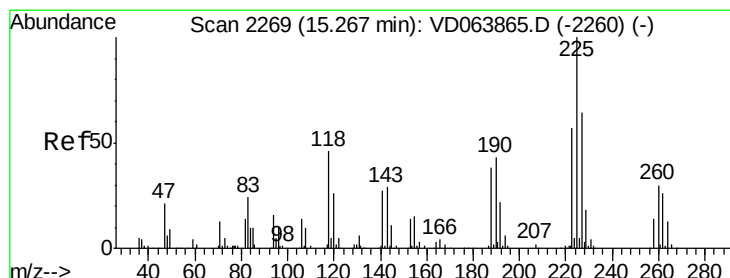
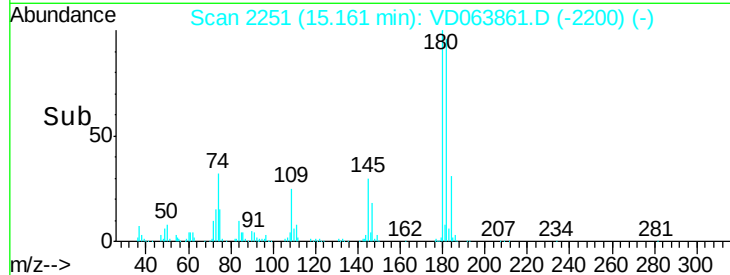
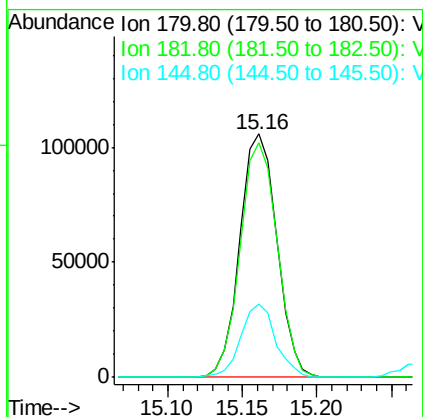
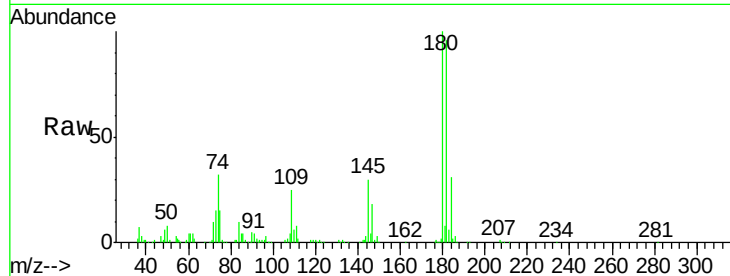
#93
 1,2,4-Trichlorobenzene
 Concen: 49.625 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182112		
182	96.5	47.4	142.3	
145	28.6	13.9	41.7	

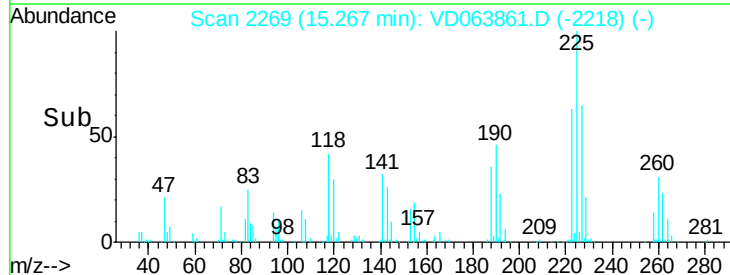
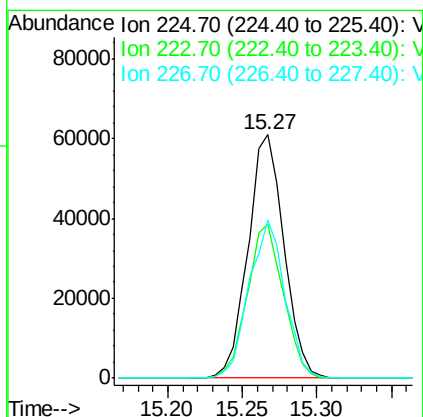
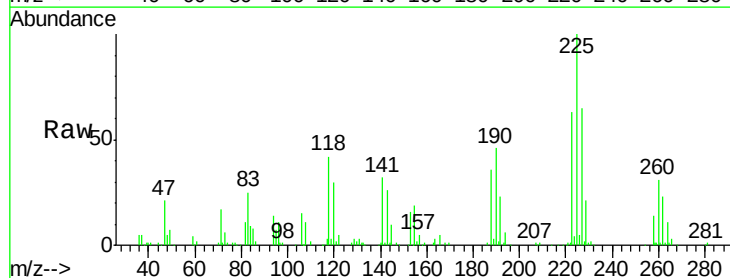
Manual Integrations
 APPROVED

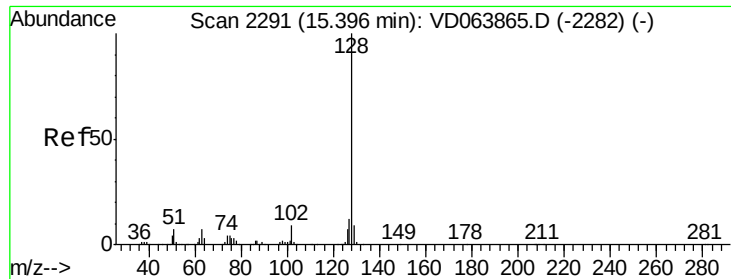
MMDadoda
 10/3/2019 12:54:24 PM



#94
 Hexachlorobutadiene
 Concen: 48.821 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101387		
223	63.3	29.5	88.6	
227	64.8	30.8	92.4	





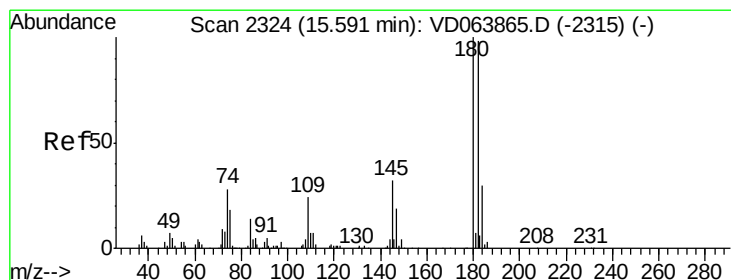
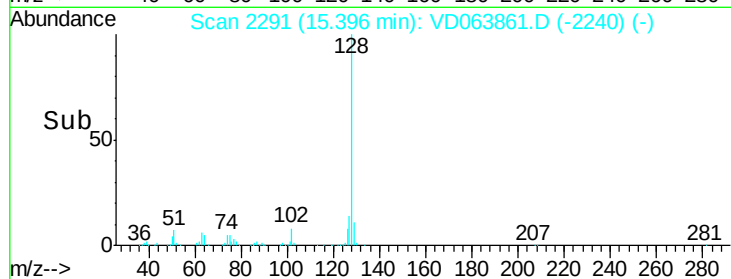
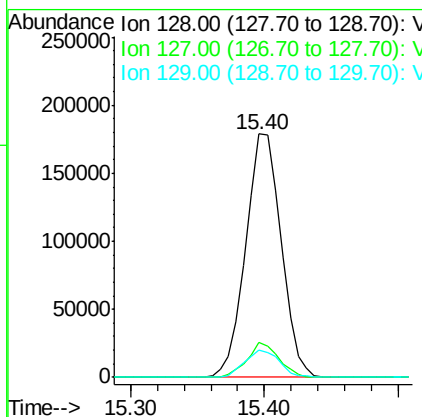
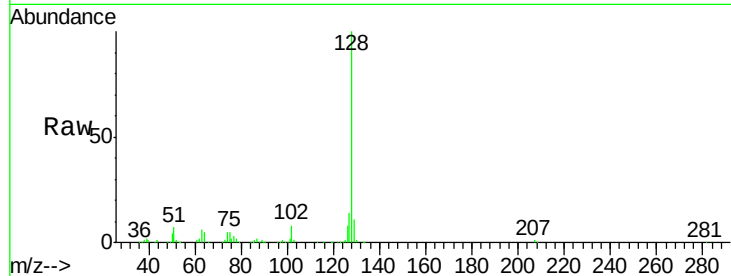
#95
Naphthalene
Concen: 49.647 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	328230		
127	12.8		10.6	16.0
129	11.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:54:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.221 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160247		
182	96.8		47.0	141.0
145	30.7		15.3	45.9

