

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063868.D
 Acq On : 02 Oct 2019 19:35
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:37 PM

Quant Time: Oct 03 07:44:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	214957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	345838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	342692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	106637	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.91	113	104021	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.34	98	423375	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.63	95	141024	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92319	60.560	ug/l	88
3) Chloromethane	2.21	50	223388	54.658	ug/l	96
4) Vinyl Chloride	2.35	62	237408	48.185	ug/l	99
5) Bromomethane	2.77	94	150570	47.536	ug/l	89
6) Chloroethane	2.92	64	156153	47.924	ug/l	92
7) Trichlorofluoromethane	3.27	101	314213	48.235	ug/l	98
8) Diethyl Ether	3.70	74	55363	52.950	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91633	50.818	ug/l	99
10) Methyl Iodide	4.29	142	133716	53.817	ug/l	97
11) Tert butyl alcohol	5.26	59	41701	288.044	ug/l	98
12) 1,1-Dichloroethene	4.06	96	89778	49.835	ug/l	93
13) Acrolein	3.92	56	46263	247.510	ug/l	96
14) Allyl chloride	4.71	41	148243	49.494	ug/l	99
15) Acrylonitrile	5.44	53	121150	262.811	ug/l	98
16) Acetone	4.17	43	145514	267.066	ug/l	90
17) Carbon Disulfide	4.40	76	329224	50.273	ug/l	96
18) Methyl Acetate	4.73	43	56724	53.228	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	252815	54.194	ug/l	95
20) Methylene Chloride	4.97	84	126014	52.259	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	111292	49.625	ug/l	94
22) Diisopropyl ether	6.37	45	317746	51.944	ug/l	94
23) Vinyl Acetate	6.31	43	975193	267.988	ug/l	99
24) 1,1-Dichloroethane	6.27	63	191023	50.698	ug/l	97
25) 2-Butanone	7.23	43	172501	267.145	ug/l	96
26) 2,2-Dichloropropane	7.21	77	169036	49.594	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	133070	52.422	ug/l	96
28) Bromochloromethane	7.55	49	75467	52.583	ug/l	97
29) Tetrahydrofuran	7.57	42	97600	258.958	ug/l	99
30) Chloroform	7.71	83	207079	50.602	ug/l	90
31) Cyclohexane	7.98	56	169760	54.885	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	181333	51.655	ug/l	98
36) 1,1-Dichloropropene	8.11	75	159876	50.560	ug/l	98
37) Ethyl Acetate	7.30	43	67611	53.611	ug/l	99
38) Carbon Tetrachloride	8.10	117	161836	50.646	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	189881	48.838	ug/l	95
40) Benzene	8.35	78	462777	51.070	ug/l	99
41) Methacrylonitrile	7.54	41	31788m	43.360	ug/l	
42) 1,2-Dichloroethane	8.43	62	135230	51.591	ug/l	99
43) Isopropyl Acetate	8.46	43	140406	52.947	ug/l	96
44) Trichloroethene	9.11	130	129391	49.518	ug/l	97
45) 1,2-Dichloropropane	9.39	63	113848	51.330	ug/l	95
46) Dibromomethane	9.48	93	65482	51.840	ug/l	97
47) Bromodichloromethane	9.66	83	167562	51.523	ug/l	97
48) Methyl methacrylate	9.46	41	63346	49.856	ug/l	97
49) 1,4-Dioxane	9.47	88	18720	1085.721	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	351670	255.704	ug/l	99
52) Toluene	10.40	92	314284	50.523	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	166745	52.543	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	189625	51.909	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	94177	52.804	ug/l	97
56) Ethyl methacrylate	10.66	69	115481	51.130	ug/l	96
57) 1,3-Dichloropropane	10.95	76	160966	52.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	222252	228.932	ug/l	99
59) 2-Hexanone	10.98	43	258291	259.628	ug/l	99
60) Dibromochloromethane	11.14	129	123269	53.088	ug/l	97
61) 1,2-Dibromoethane	11.25	107	94335	54.559	ug/l	99
64) Tetrachloroethene	10.87	164	117992	50.435	ug/l	97
65) Chlorobenzene	11.67	112	363486	52.815	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	133463	52.629	ug/l	97
67) Ethyl Benzene	11.74	91	634511	51.129	ug/l	97
68) m/p-Xylenes	11.85	106	494021	103.137	ug/l	99
69) o-Xylene	12.18	106	235321	51.306	ug/l	97
70) Styrene	12.20	104	403884	52.017	ug/l	100
71) Bromoform	12.36	173	75214	55.265	ug/l #	97
73) Isopropylbenzene	12.48	105	611099	49.496	ug/l	98
74) N-amyl acetate	12.29	43	139025	52.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	108243	50.382	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	65511m	53.257	ug/l	
77) Bromobenzene	12.76	156	155480	50.546	ug/l	98
78) n-propylbenzene	12.82	91	721885	49.812	ug/l	100
79) 2-Chlorotoluene	12.90	91	395606	49.507	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	522137	50.691	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	35692	51.346	ug/l	99
82) 4-Chlorotoluene	13.00	91	422915	49.890	ug/l	100
83) tert-Butylbenzene	13.22	119	452471	49.358	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	530092	49.919	ug/l	98
85) sec-Butylbenzene	13.40	105	619270	50.022	ug/l	99
86) p-Isopropyltoluene	13.51	119	594599	50.757	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	311737	51.290	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	304445	50.774	ug/l	98
89) n-Butylbenzene	13.84	91	537325	49.276	ug/l	99
90) Hexachloroethane	14.11	117	110375	52.386	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	270918	51.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	18033	54.230	ug/l	86

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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	205486	50.843	ug/l	99
94) Hexachlorobutadiene	15.26	225	109316	49.015	ug/l	94
95) Naphthalene	15.40	128	378529	55.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	179680	51.528	ug/l	98

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

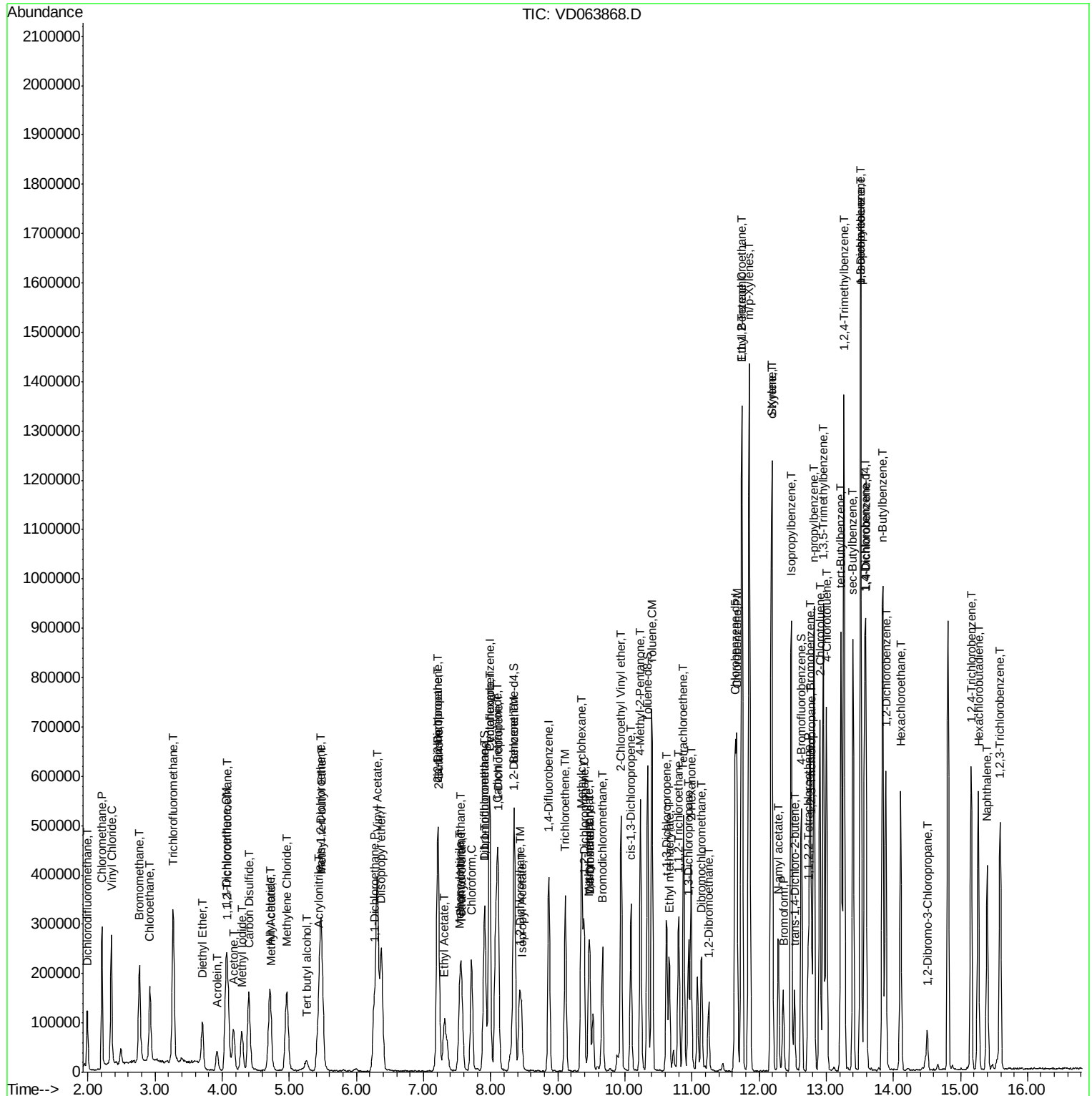
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100219\
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Operator : VA/SY
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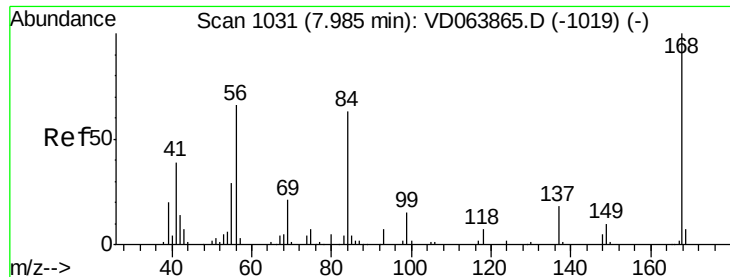
Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion:168 Resp: 214957

Ion Ratio Lower Upper

168 100

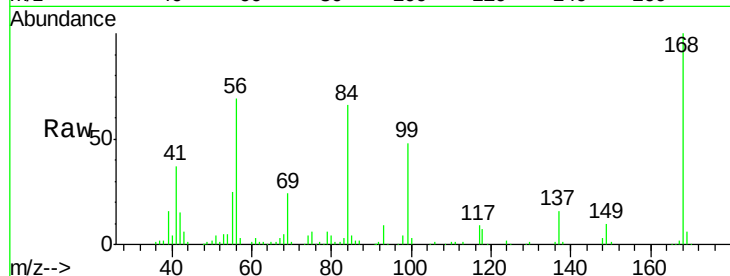
99 47.5 43.0 64.4

Manual Integrations

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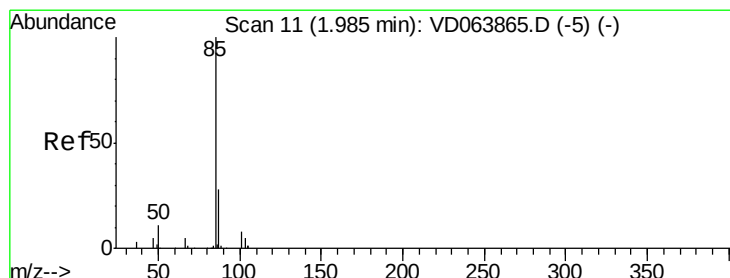
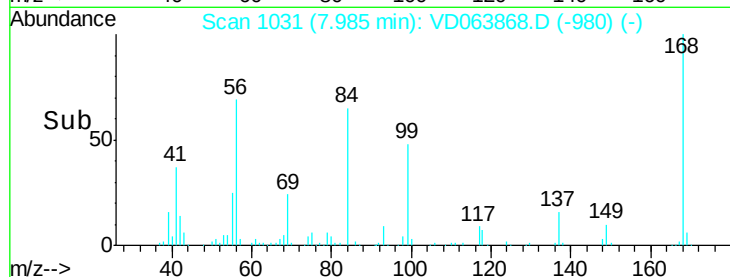
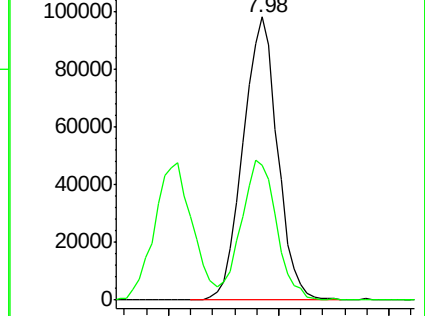
MMDadoda

10/3/2019 12:55:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 60.560 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063868.D

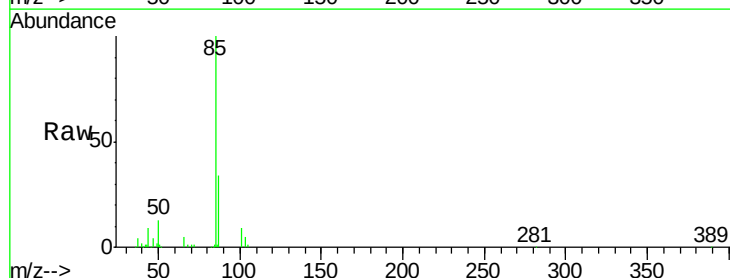
Acq: 02 Oct 2019 19:35

Tgt Ion: 85 Resp: 92319

Ion Ratio Lower Upper

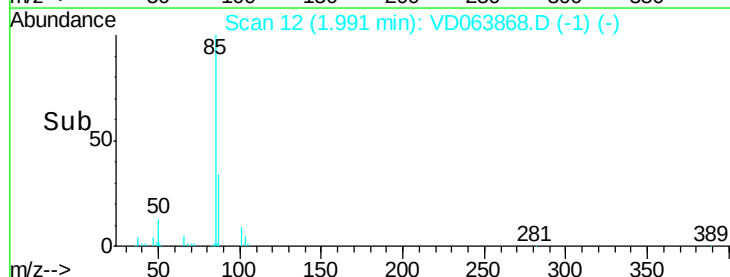
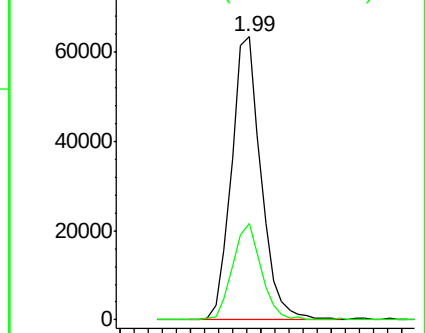
85 100

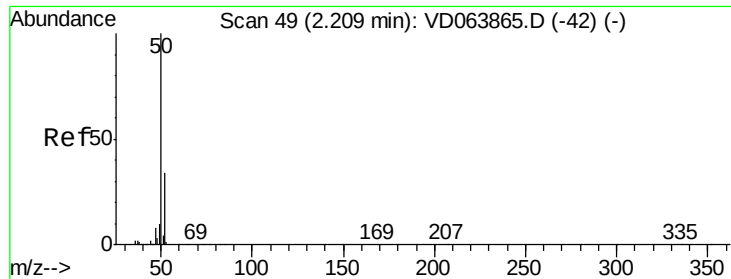
87 34.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.658 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 50 Resp: 223388

Ion Ratio Lower Upper

50 100

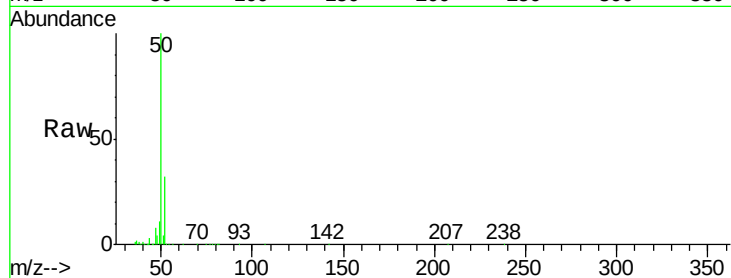
52 32.1 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

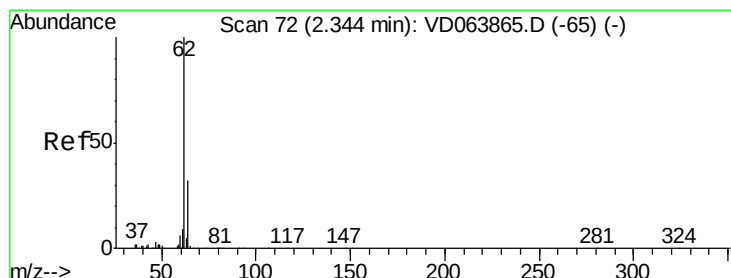
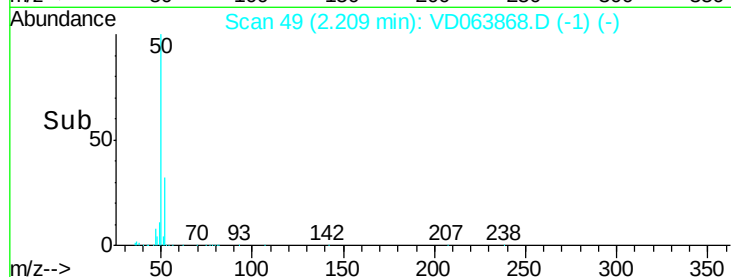
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.185 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063868.D

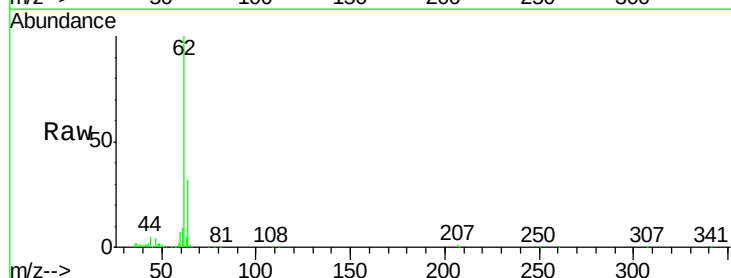
Acq: 02 Oct 2019 19:35

Tgt Ion: 62 Resp: 237408

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

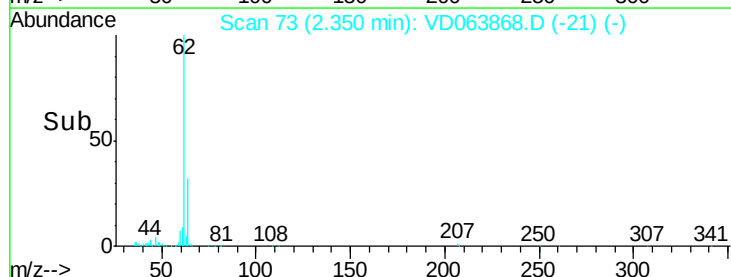
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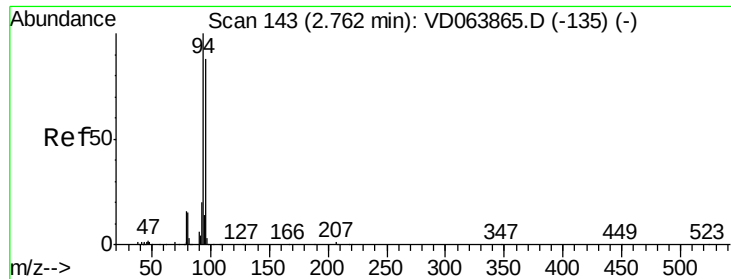
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.536 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 94 Resp: 150570

Ion Ratio Lower Upper

94 100

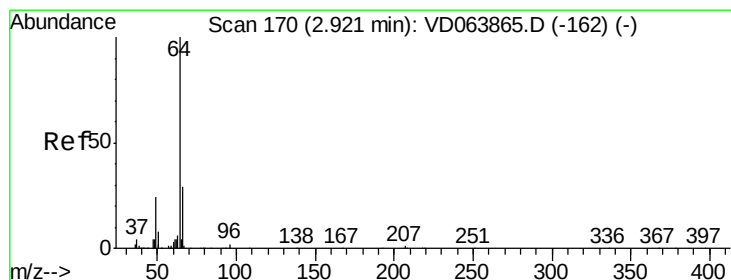
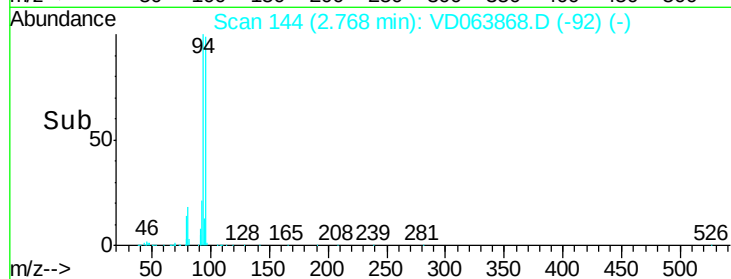
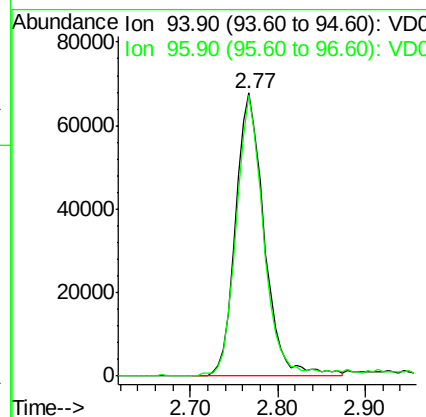
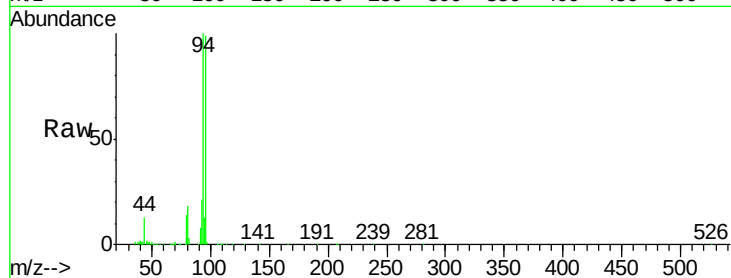
96 98.8 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 47.924 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063868.D

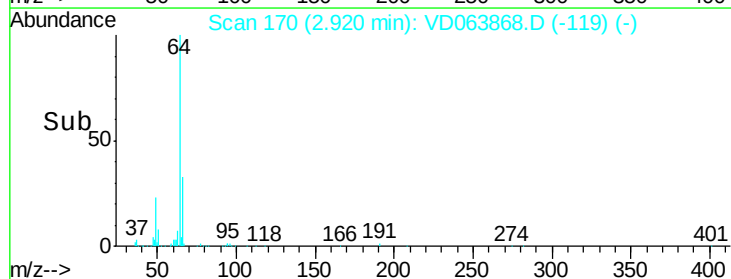
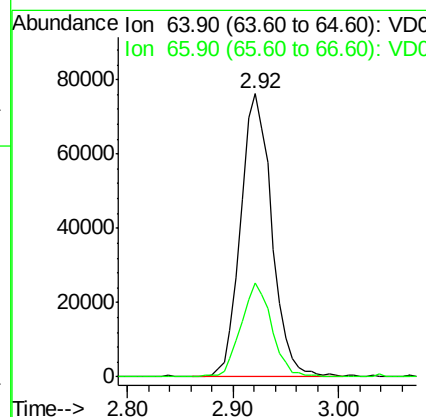
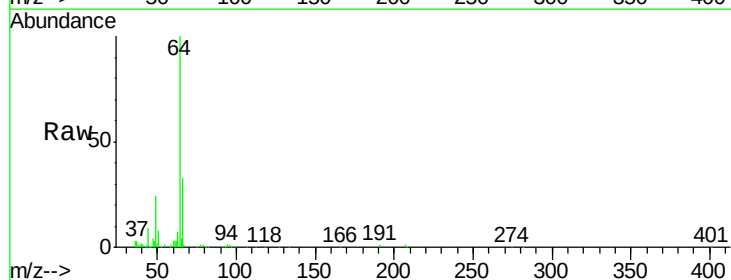
Acq: 02 Oct 2019 19:35

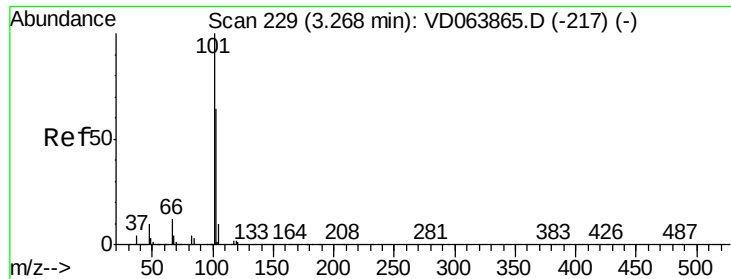
Tgt Ion: 64 Resp: 156153

Ion Ratio Lower Upper

64 100

66 33.1 23.0 34.4





#7

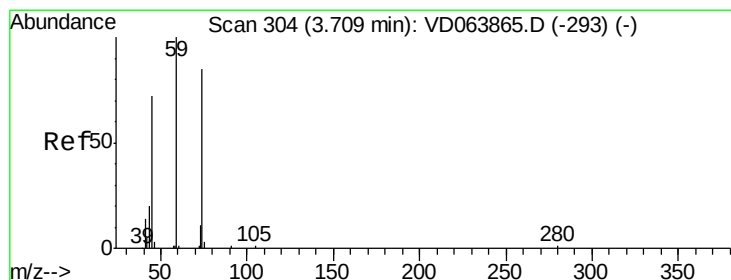
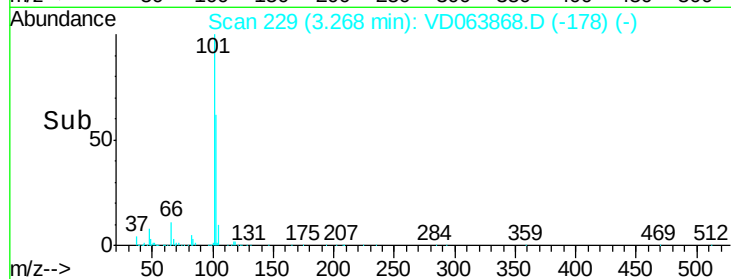
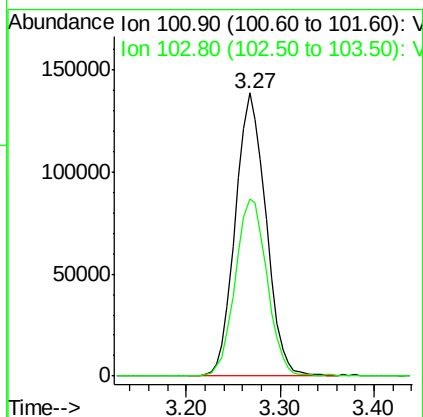
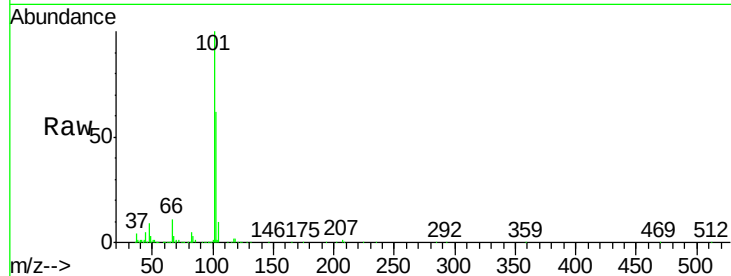
Trichlorofluoromethane
Concen: 48.235 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.1	76.7

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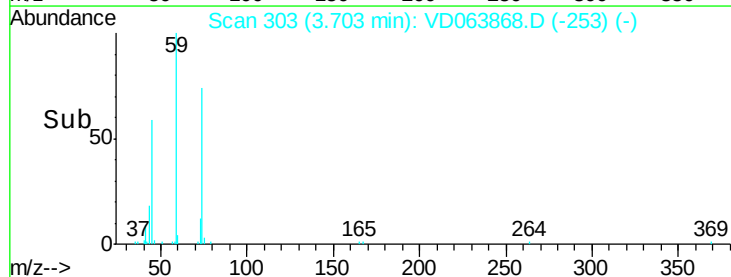
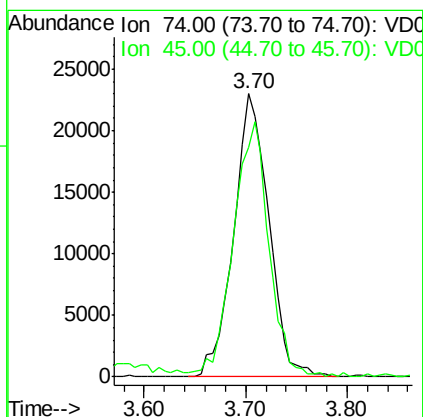
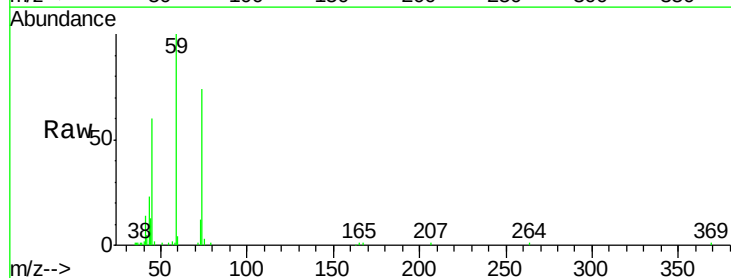
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10/3/2019 12:55:37 PM

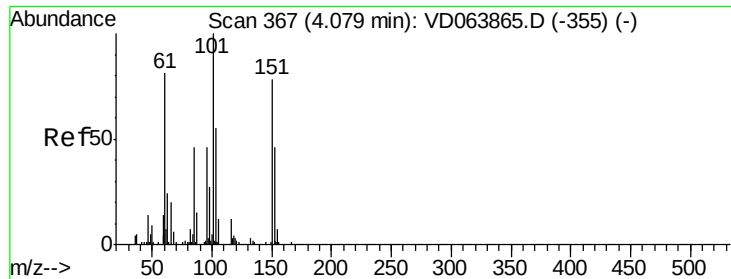


#8

Diethyl Ether
Concen: 52.950 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.818 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

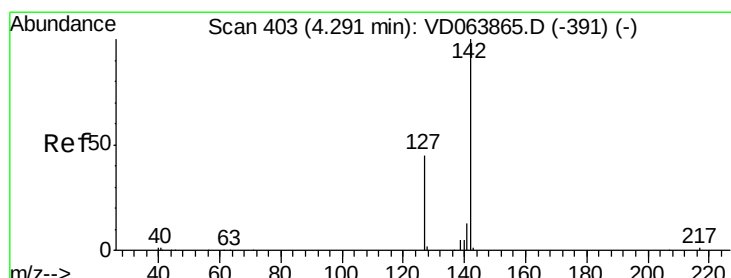
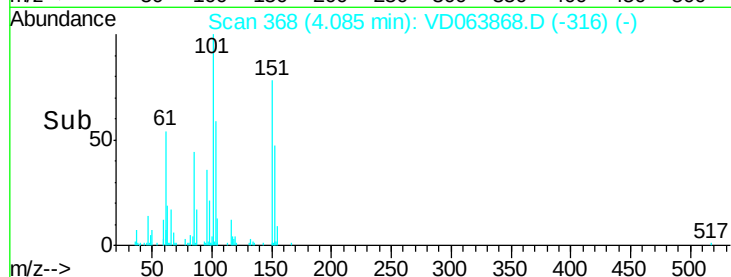
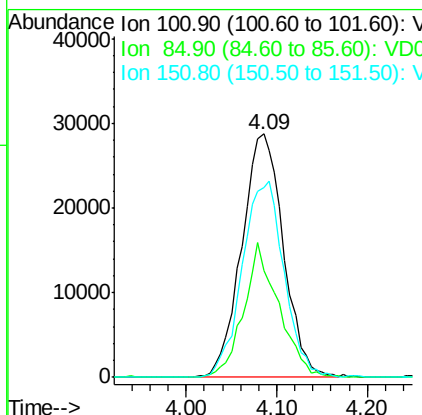
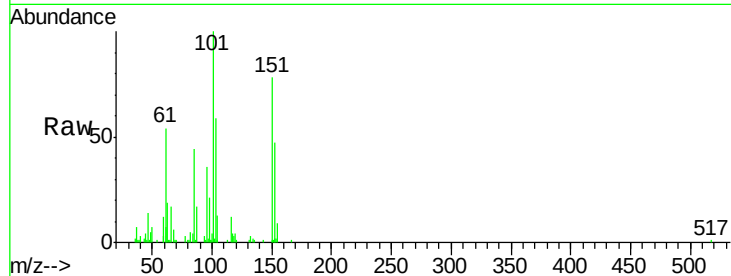
ClientSampleId :

ICVVD100219

Tot Ion:	101	Resp:	91633
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.5	56.3
151	81.2	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:37 PM



#10

Methyl Iodide

Concen: 53.817 ug/l

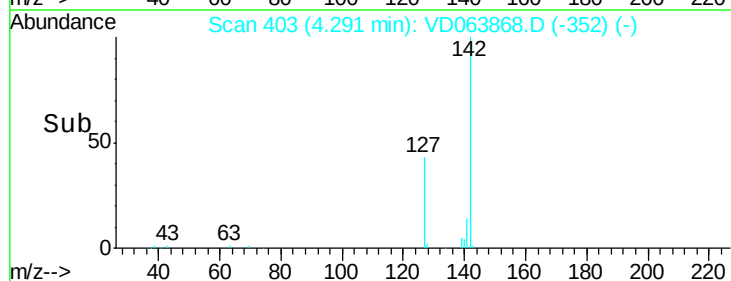
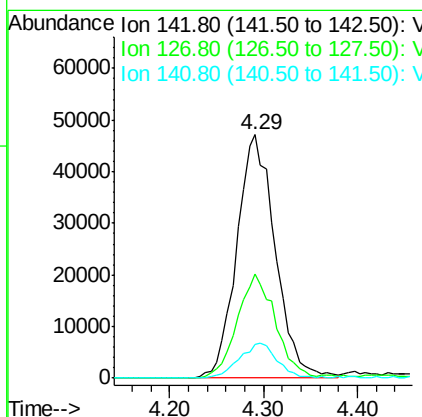
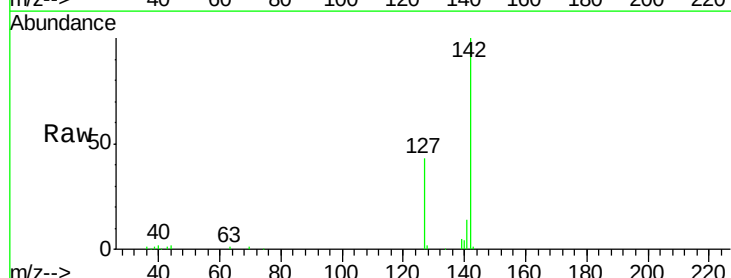
RT: 4.29 min Scan# 403

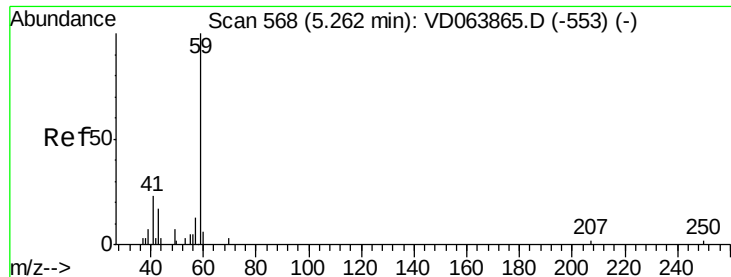
Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion:	142	Resp:	133716
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.3	52.9
141	14.4	12.2	18.2





#11

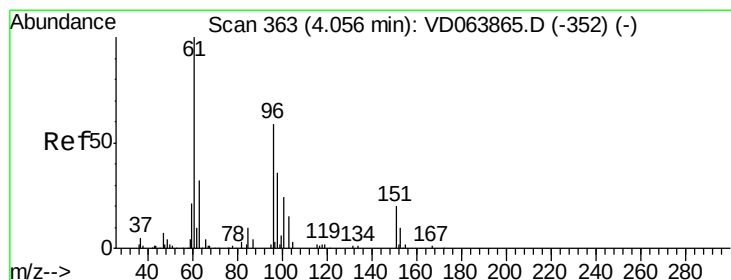
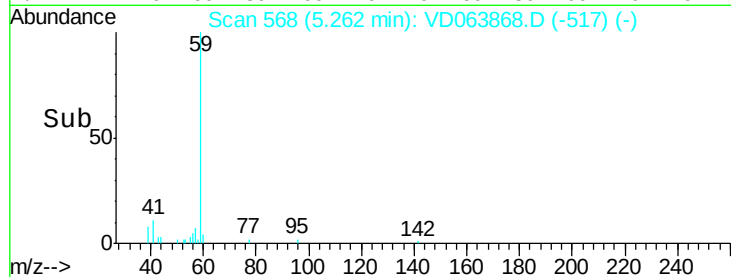
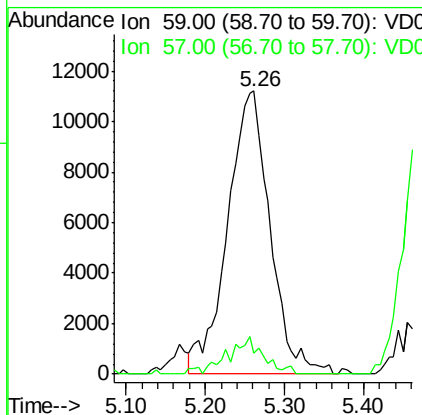
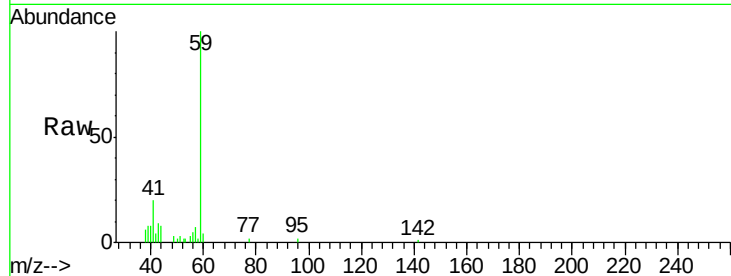
Tert butyl alcohol
 Concen: 288.044 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	59	Resp	41701
Ion Ratio	100	Lower	Upper
57	10.1	8.8	13.2

Manual Integrations
 APPROVED

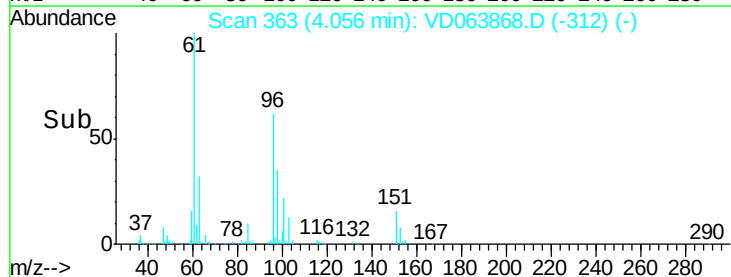
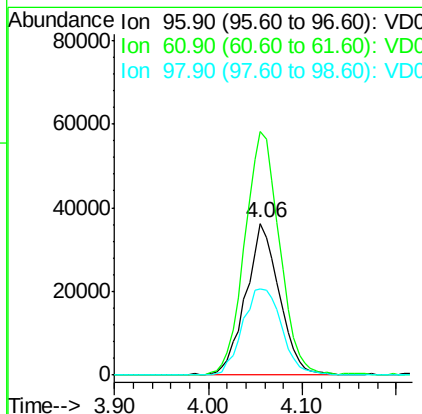
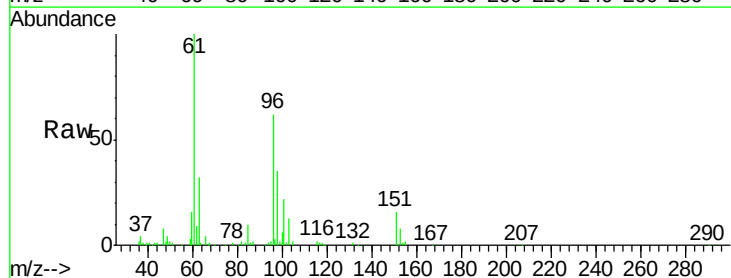
MMDadoda
 10/3/2019 12:55:37 PM

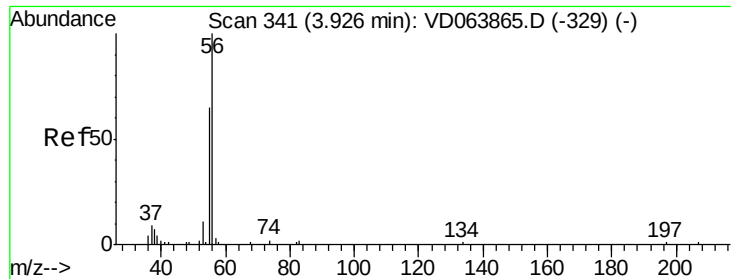


#12

1,1-Dichloroethene
 Concen: 49.835 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	96	Resp	89778
Ion Ratio	100	Lower	Upper
61	160.4	135.6	203.4
98	56.4	49.2	73.8





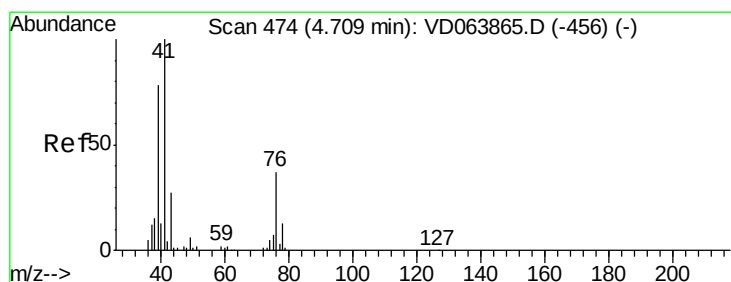
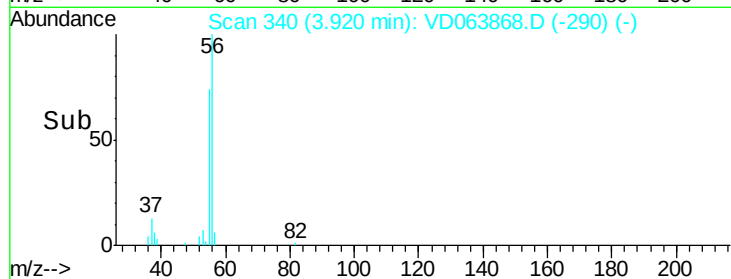
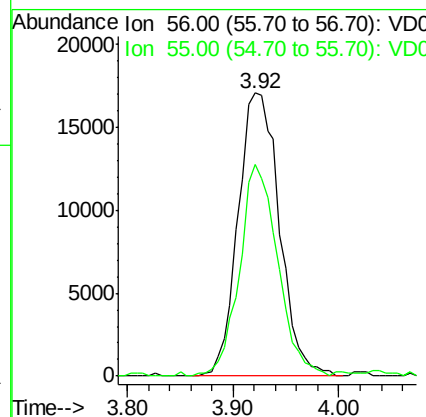
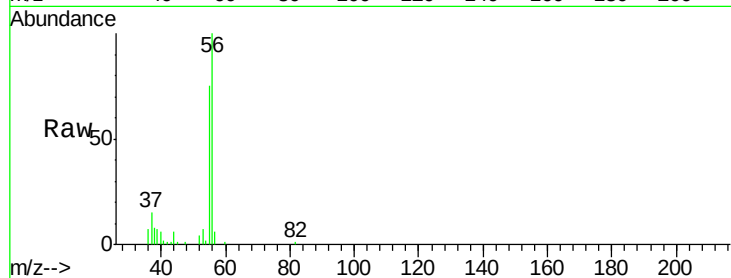
#13
Acrolein
Concen: 247.510 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	53.0	79.6

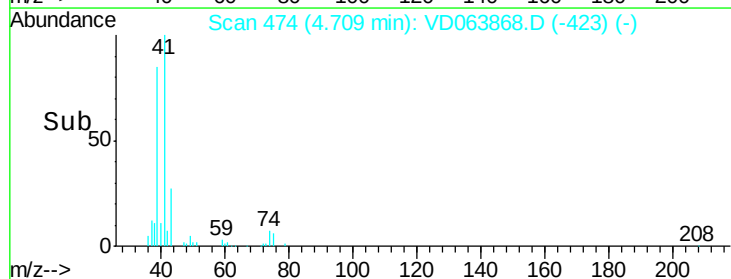
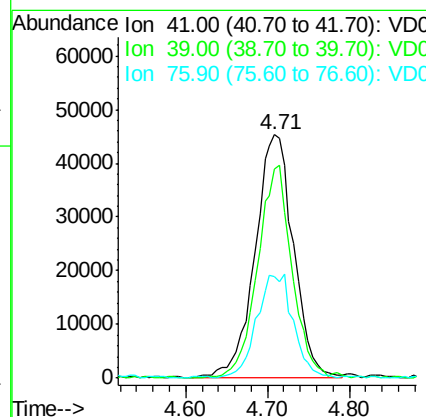
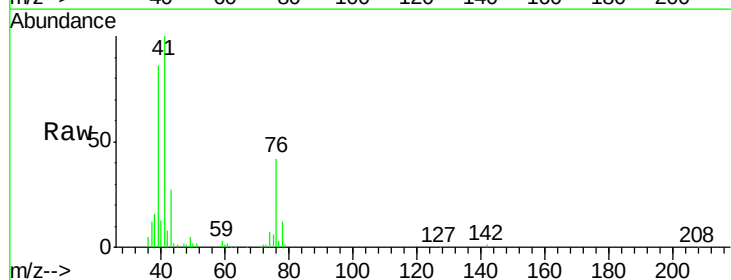
Manual Integrations
APPROVED

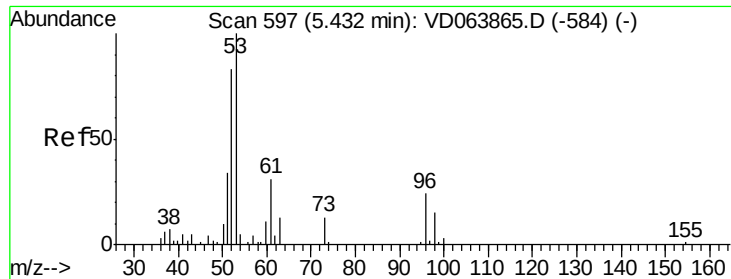
MMDadoda
10/3/2019 12:55:37 PM



#14
Allyl chloride
Concen: 49.494 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.1	61.8	92.6
76	40.5	31.3	46.9





#15

Acrylonitrile

Concen: 262.811 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

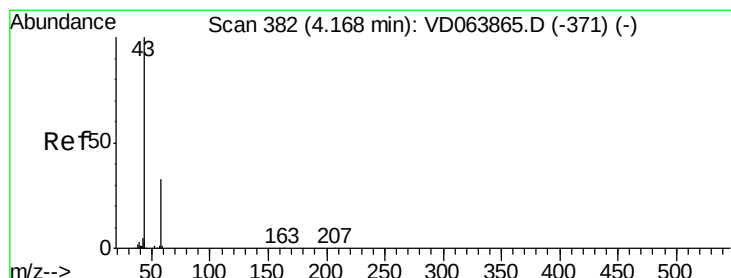
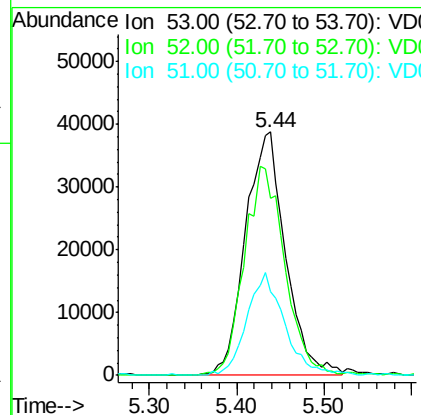
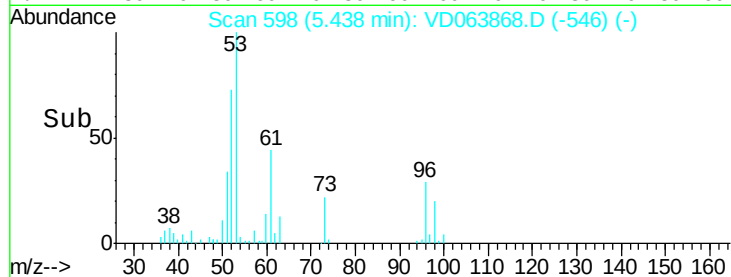
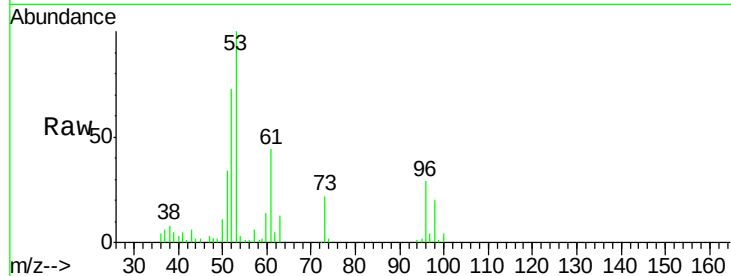
ClientSampleID :

ICVVD100219

Tot Ion:	53	Resp:	121150
Ion Ratio	Lower	Upper	
53	100		
52	86.3	67.3	100.9
51	39.5	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:37 PM



#16

Acetone

Concen: 267.066 ug/l

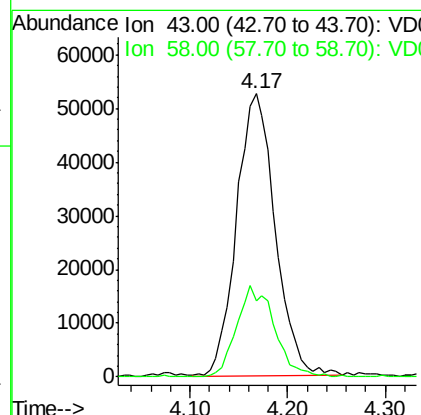
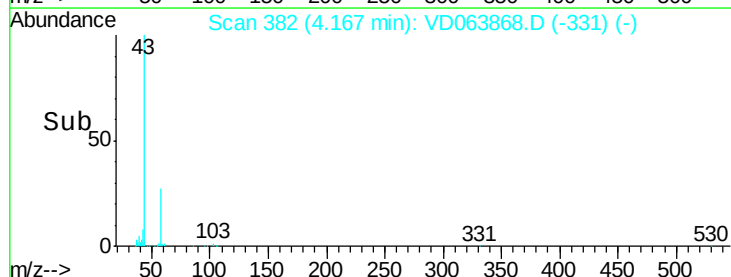
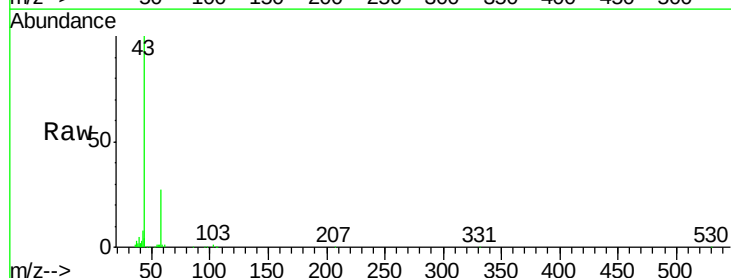
RT: 4.17 min Scan# 382

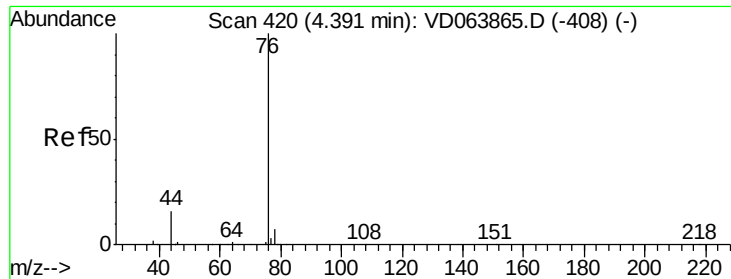
Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion:	43	Resp:	145514
Ion Ratio	Lower	Upper	
43	100		
58	27.0	26.2	39.4





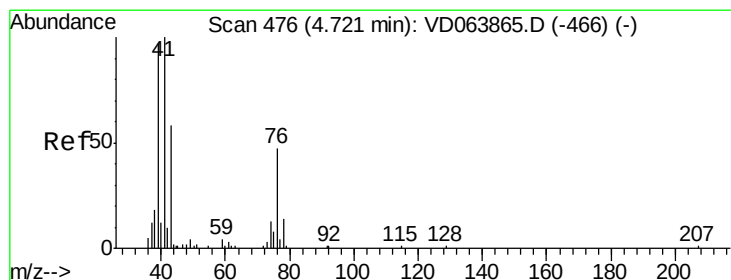
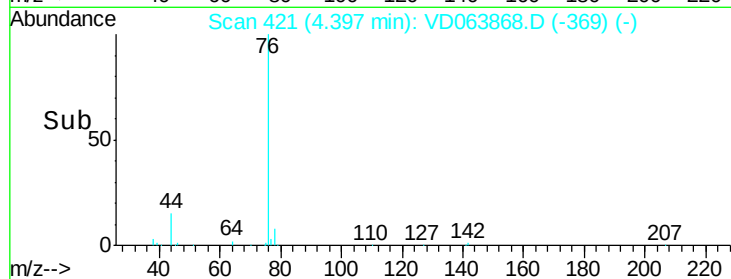
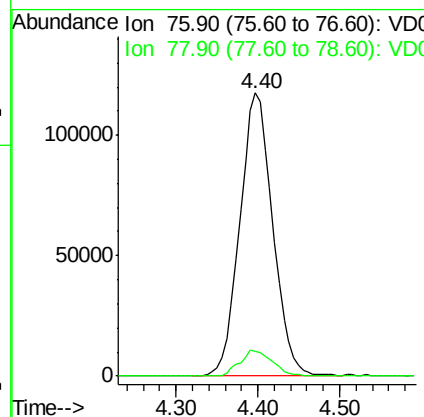
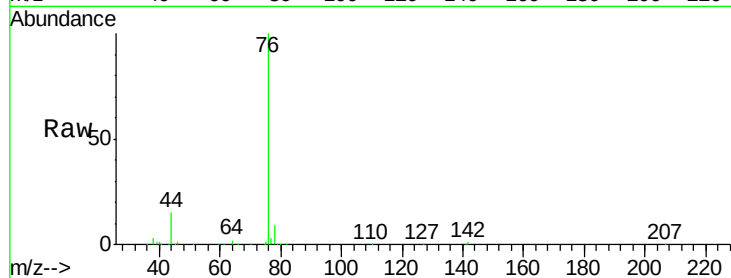
#17
Carbon Disulfide
Concen: 50.273 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampled :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	5.8	8.8

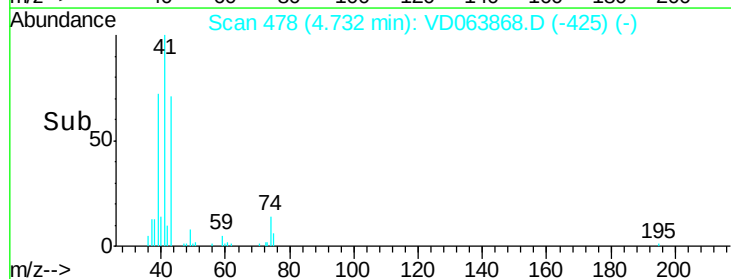
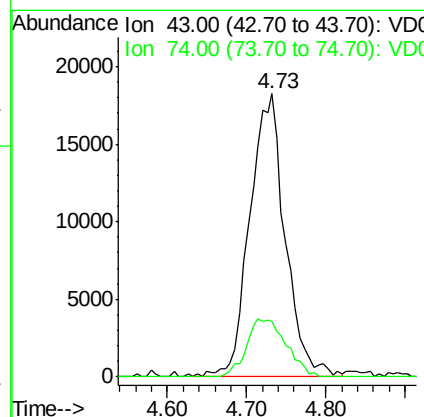
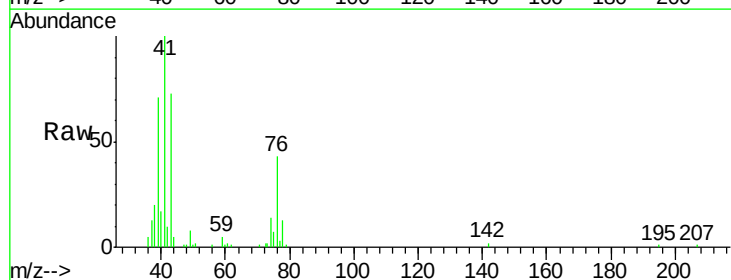
Manual Integrations
APPROVED

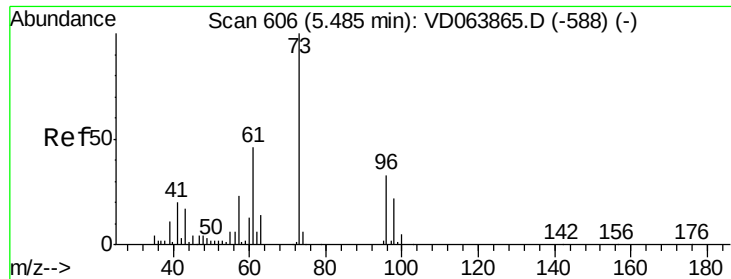
MMDadoda
10/3/2019 12:55:37 PM



#18
Methyl Acetate
Concen: 53.228 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	20.8	31.2





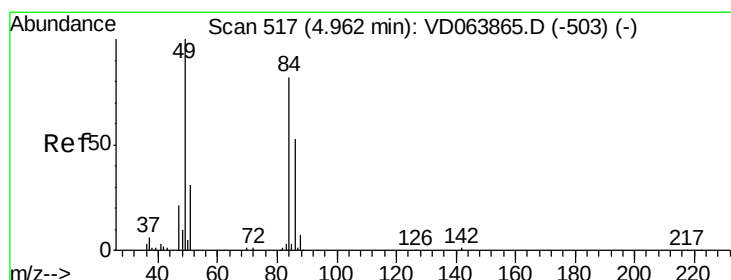
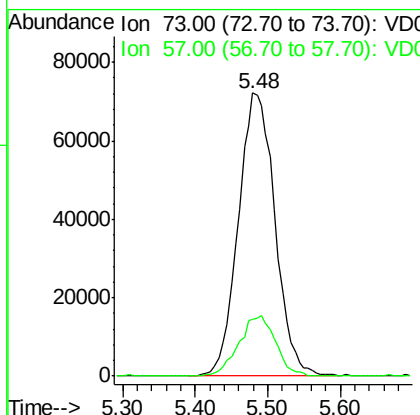
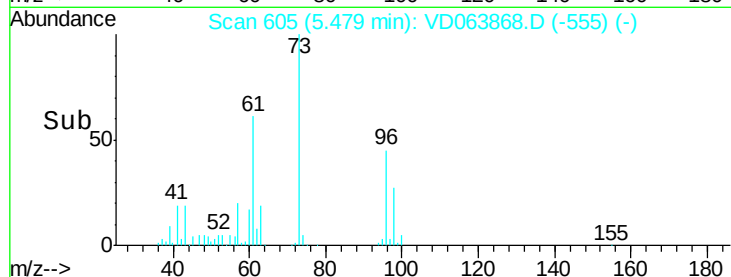
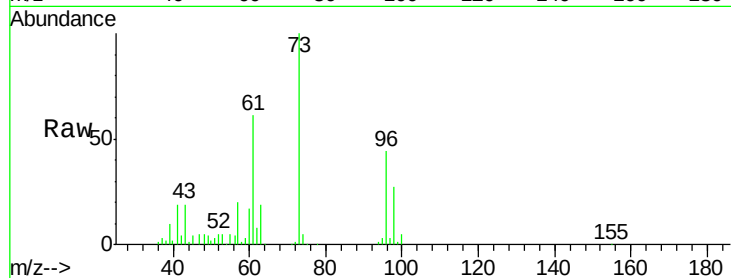
#19
Methyl tert-butyl Ether
Concen: 54.194 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion: 73 Resp: 252815
Ion Ratio Lower Upper
73 100
57 20.3 18.1 27.1

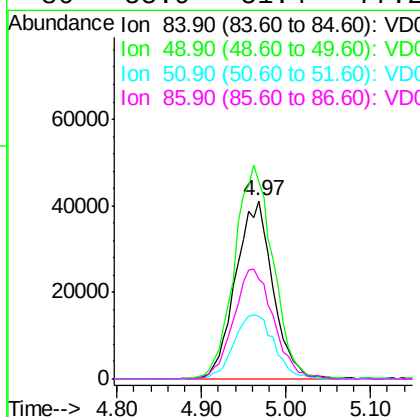
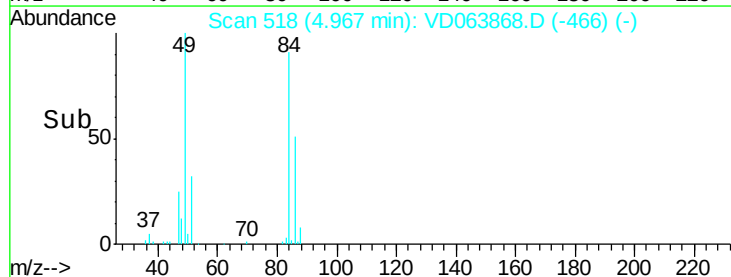
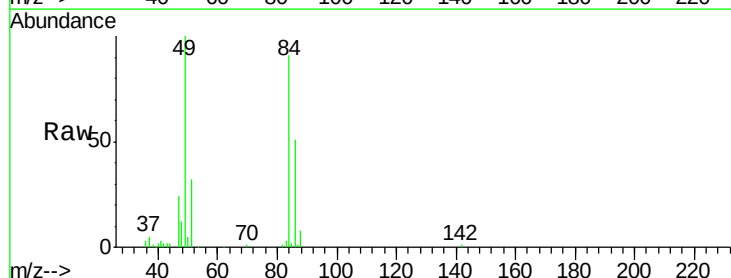
Manual Integrations
APPROVED

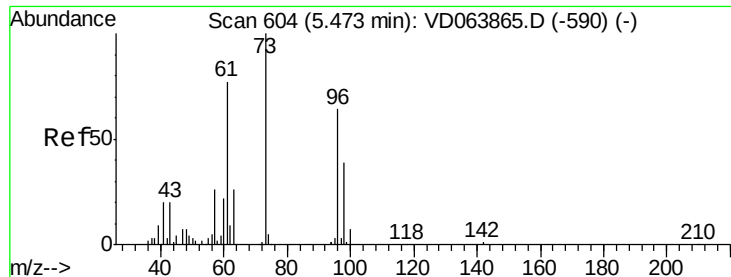
MMDadoda
10/3/2019 12:55:37 PM



#20
Methylene Chloride
Concen: 52.259 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion: 84 Resp: 126014
Ion Ratio Lower Upper
84 100
49 109.9 97.3 145.9
51 35.1 30.1 45.1
86 55.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.625 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 96 Resp: 111292

Ion Ratio Lower Upper

96 100

61 126.0 96.6 145.0

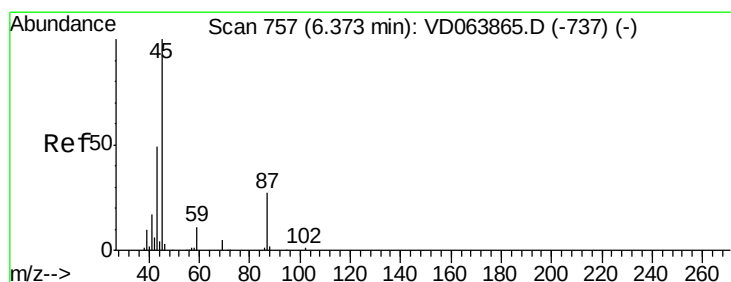
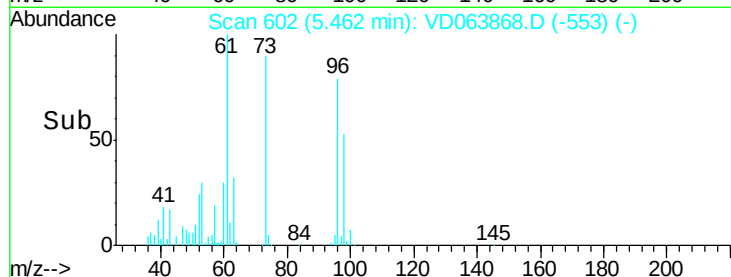
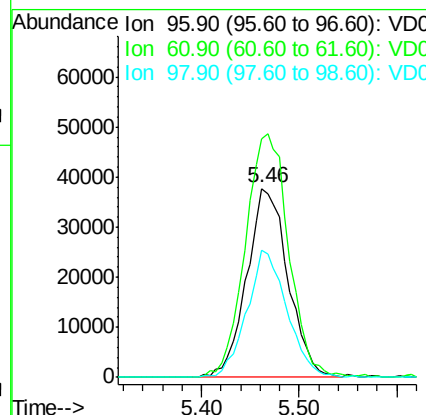
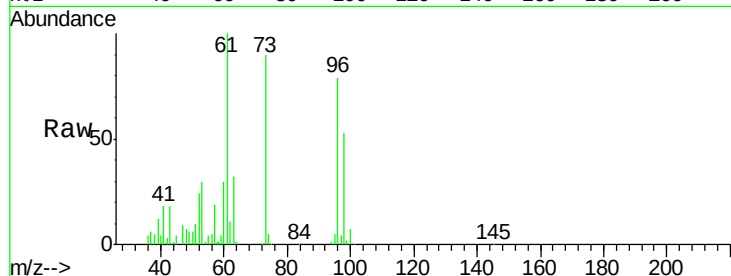
98 67.0 48.7 73.1

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:37 PM



#22

Diisopropyl ether

Concen: 51.944 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion: 45 Resp: 317746

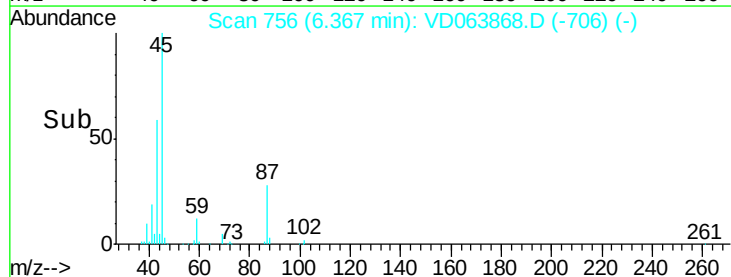
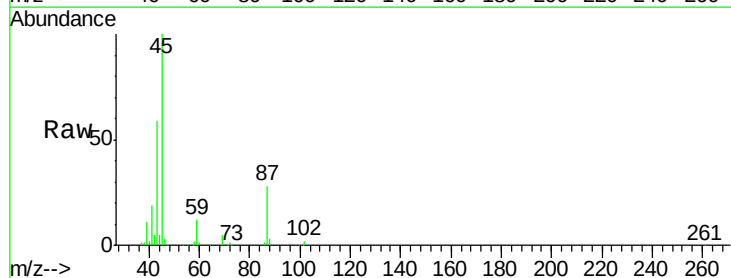
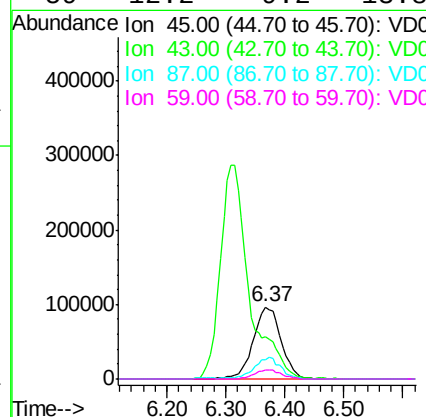
Ion Ratio Lower Upper

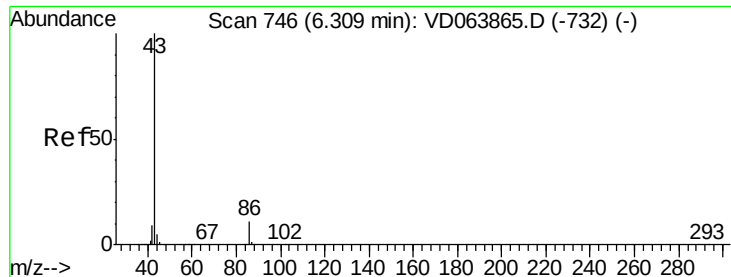
45 100

43 58.7 41.2 61.8

87 27.3 22.2 33.4

59 12.2 9.2 13.8





#23

Vinyl Acetate

Concen: 267.988 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 43 Resp: 975193

Ion Ratio Lower Upper

43 100

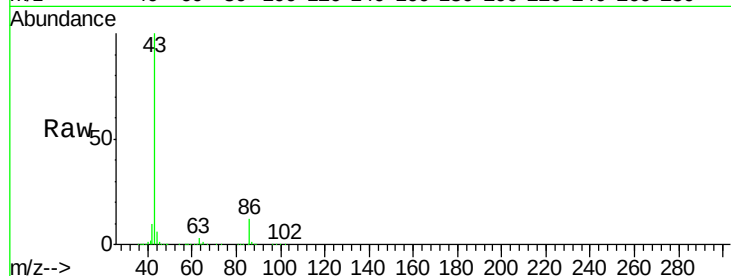
86 11.5 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

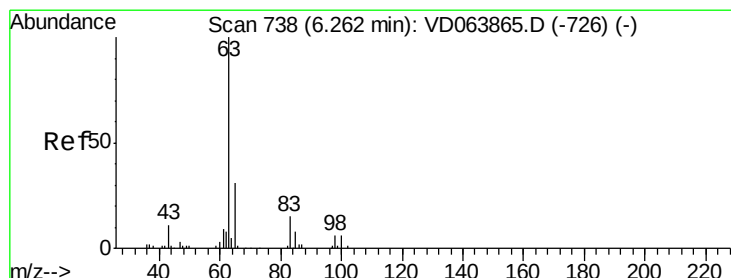
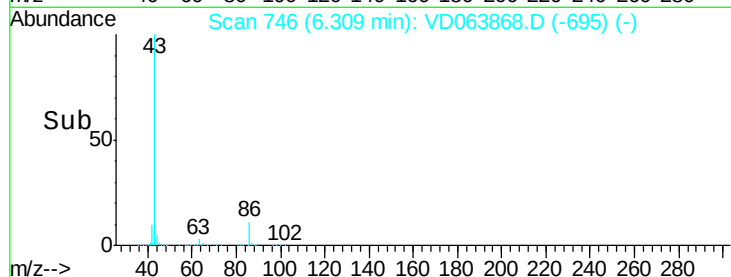
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.698 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

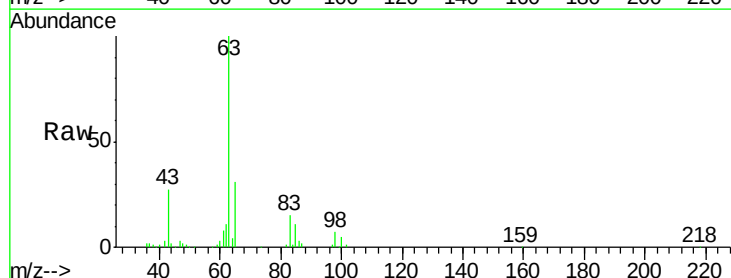
Tgt Ion: 63 Resp: 191023

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.8 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

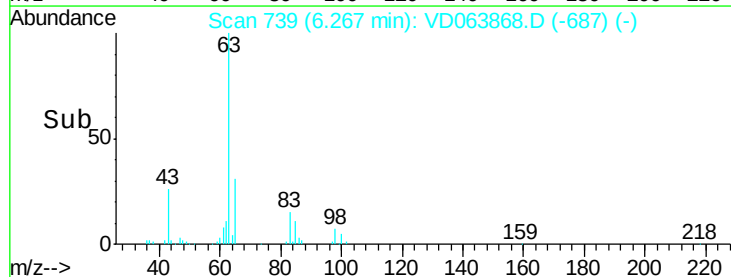
60000

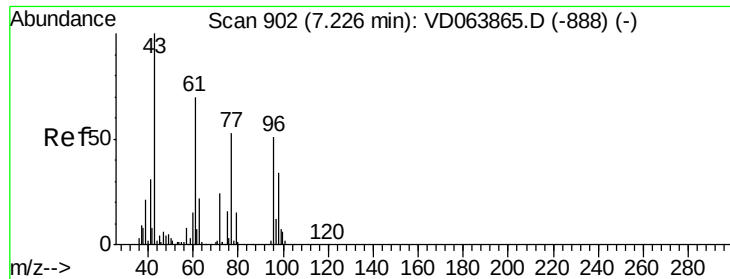
40000

20000

0

Time-->





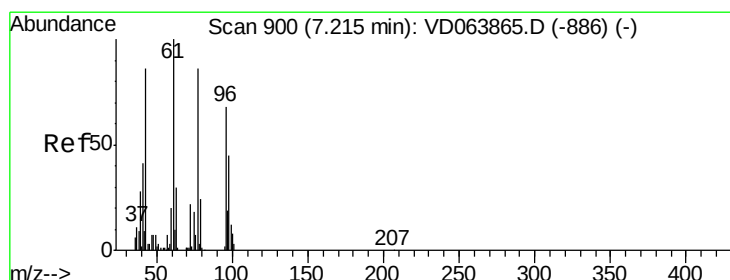
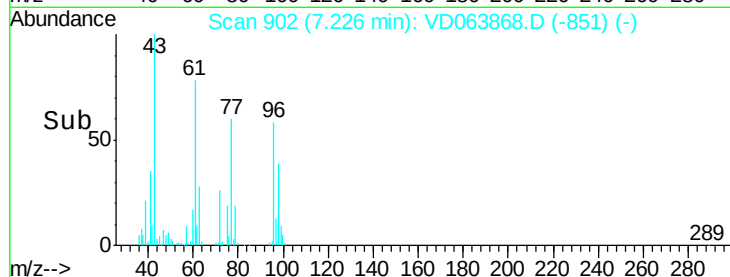
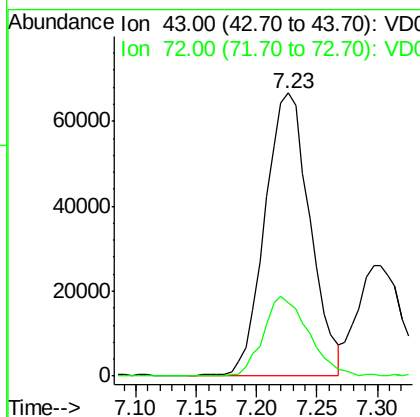
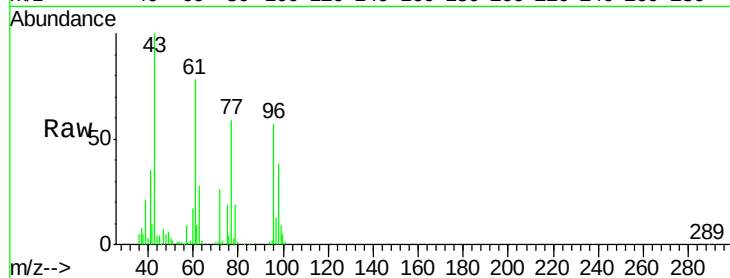
#25
2-Butanone
Concen: 267.145 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion: 43 Resp: 172501
Ion Ratio Lower Upper
43 100
72 25.9 19.2 28.8

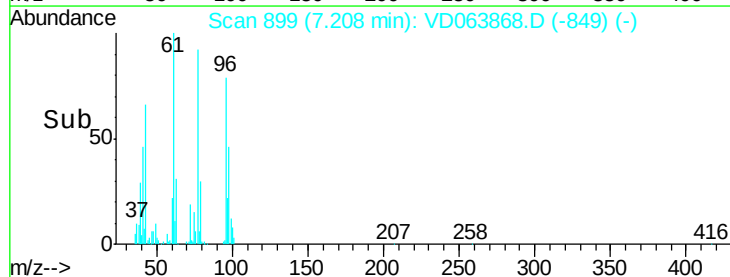
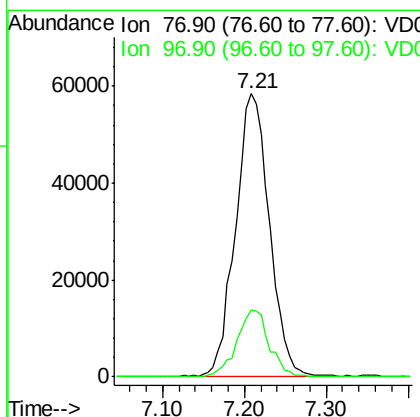
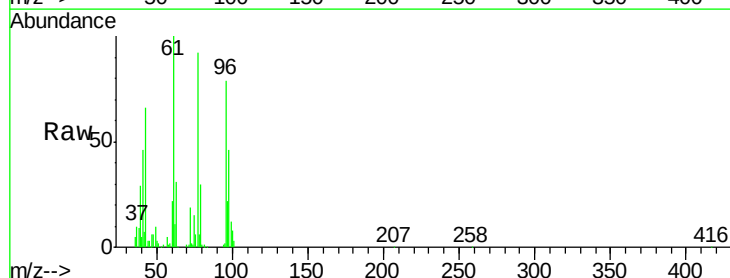
Manual Integrations
APPROVED

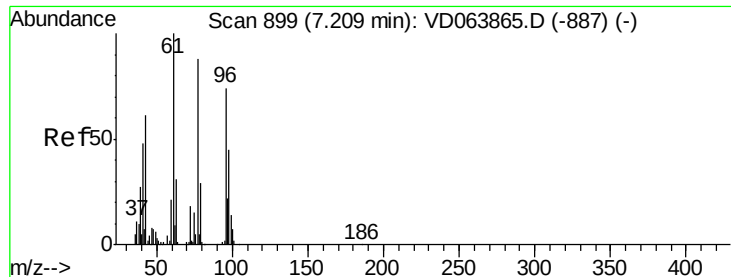
MMDadoda
10/3/2019 12:55:37 PM



#26
2,2-Dichloropropane
Concen: 49.594 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion: 77 Resp: 169036
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





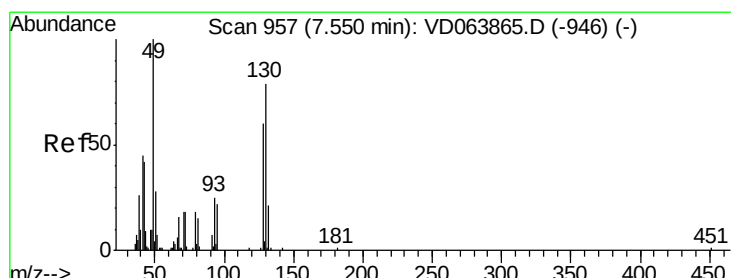
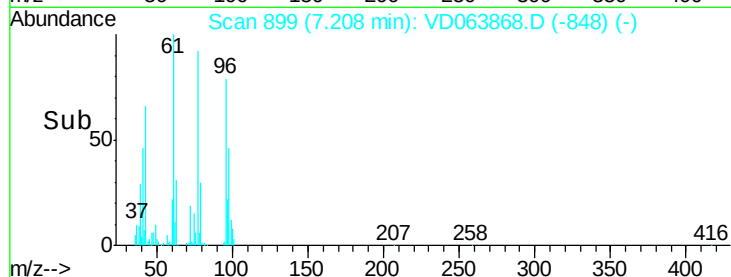
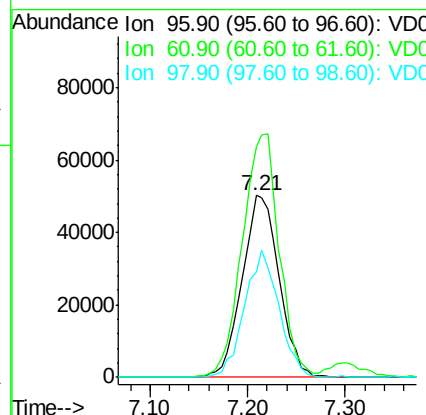
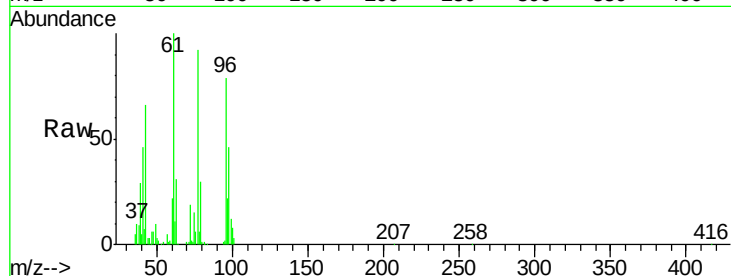
#27
 cis-1,2-Dichloroethene
 Concen: 52.422 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
96	100	133070		
61	133.6	0.0	280.0	
98	65.2	0.0	130.4	

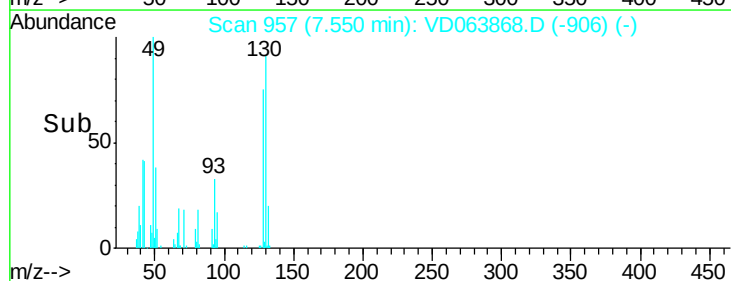
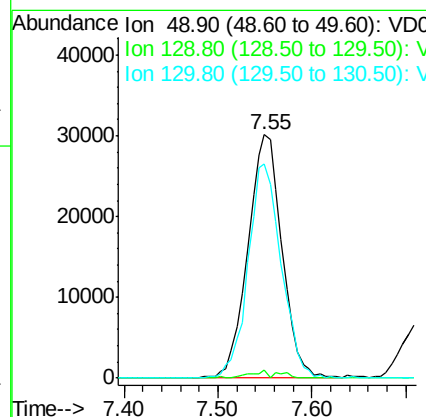
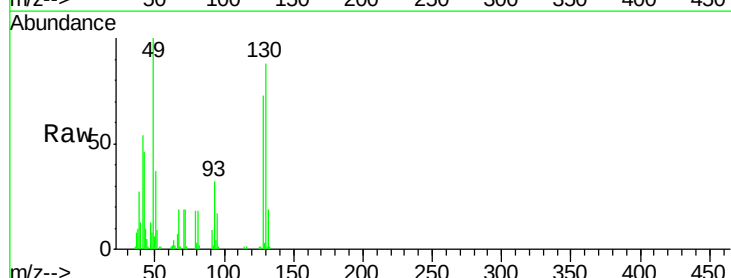
Manual Integrations
 APPROVED

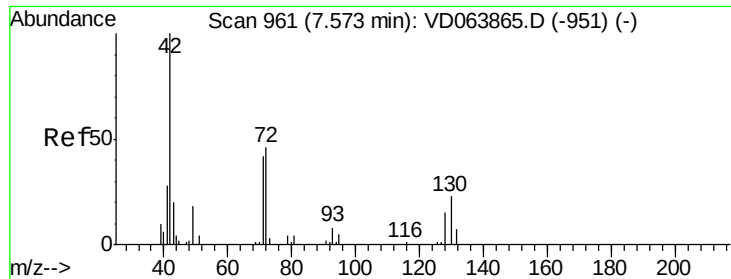
MMDadoda
 10/3/2019 12:55:37 PM



#28
 Bromochloromethane
 Concen: 52.583 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75467		
129	1.5	0.0	5.6	
130	86.0	66.8	100.2	





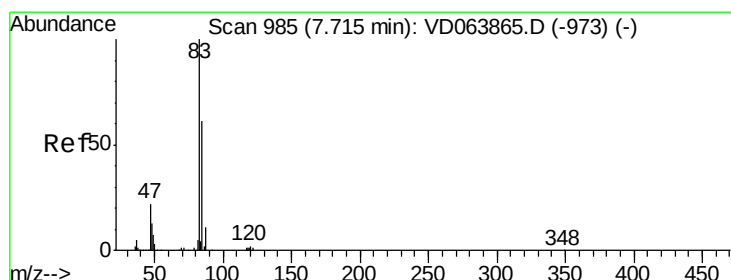
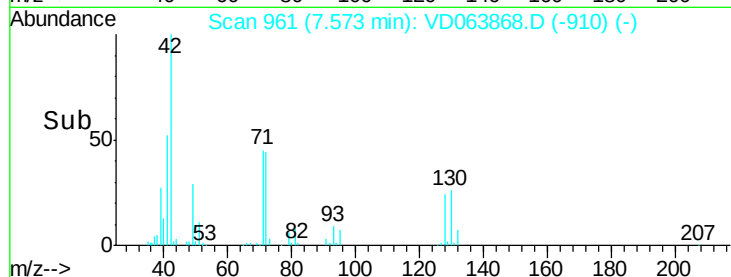
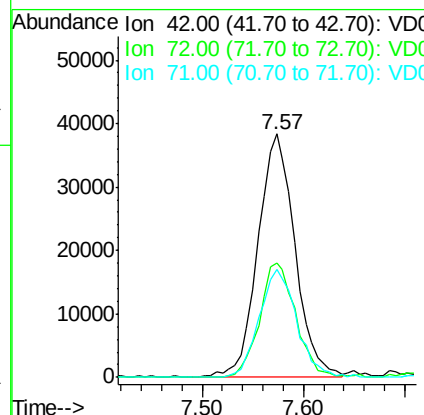
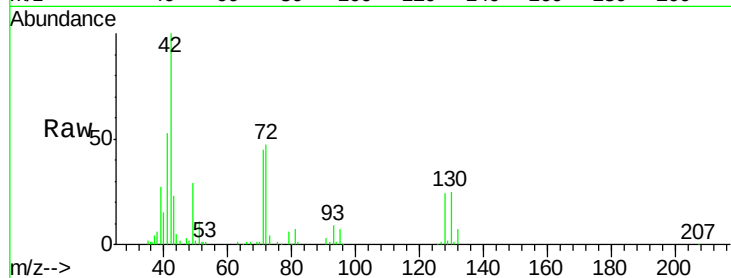
#29
Tetrahydrofuran
Concen: 258.958 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleID :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.6	56.4
71	44.9	35.0	52.6

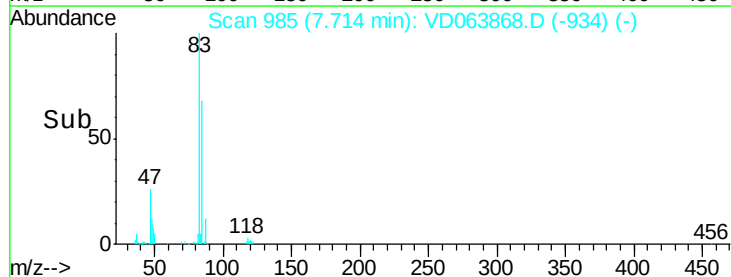
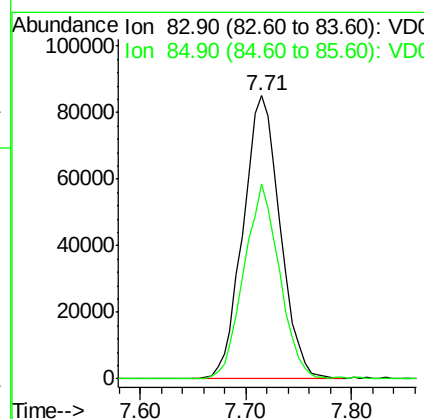
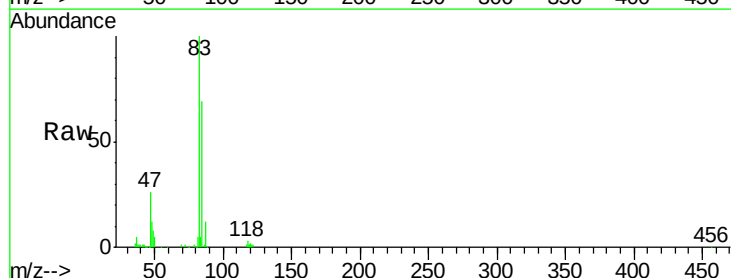
Manual Integrations
APPROVED

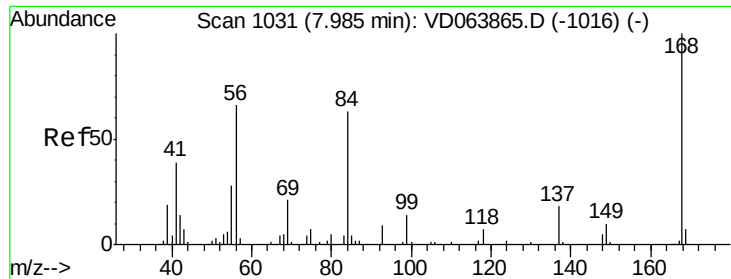
MMDadoda
10/3/2019 12:55:37 PM



#30
Chloroform
Concen: 50.602 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	48.9	73.3





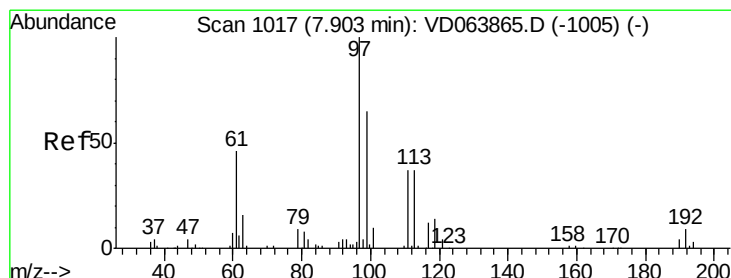
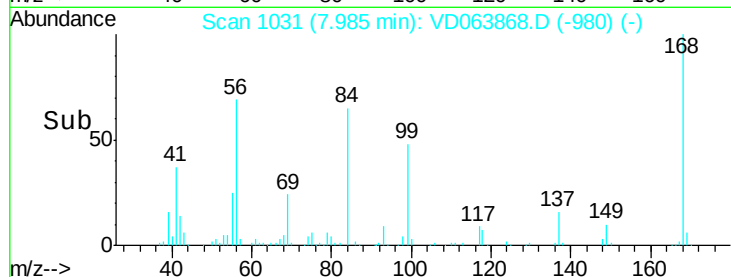
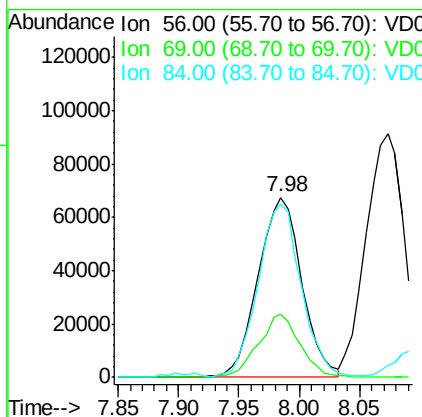
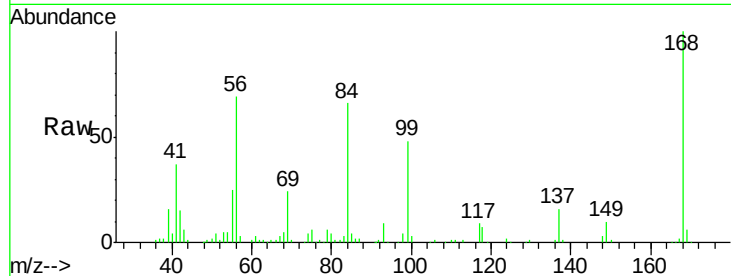
#31
Cyclohexane
Concen: 54.885 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.0	37.4
84	94.2	76.3	114.5

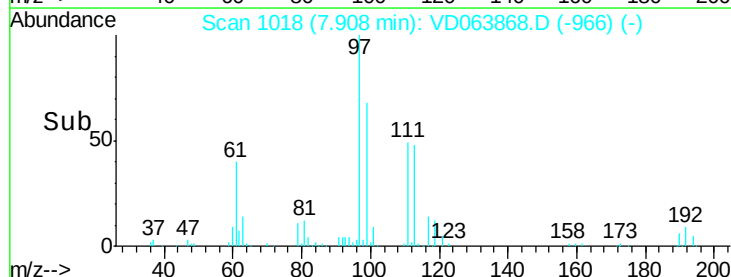
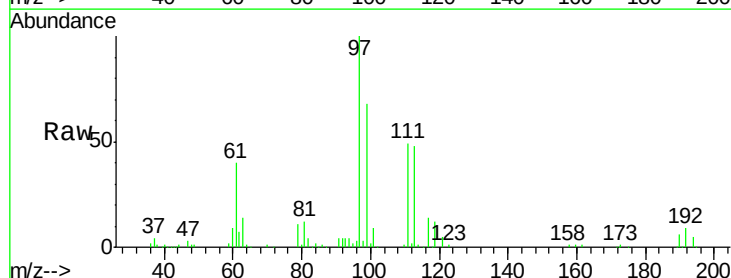
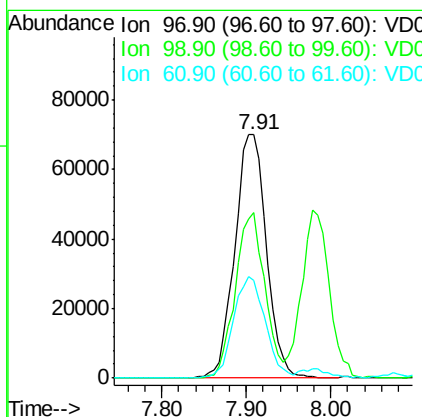
Manual Integrations
APPROVED

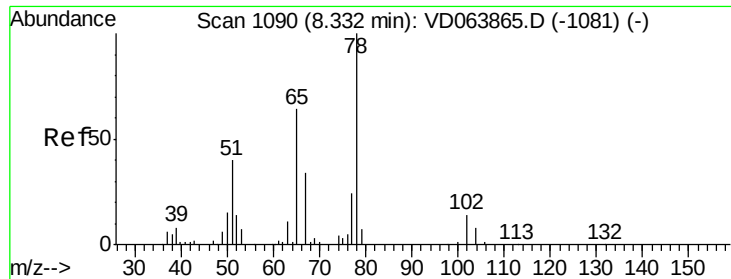
MMDadoda
10/3/2019 12:55:37 PM



#32
1,1,1-Trichloroethane
Concen: 51.655 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	41.6	33.8	50.8





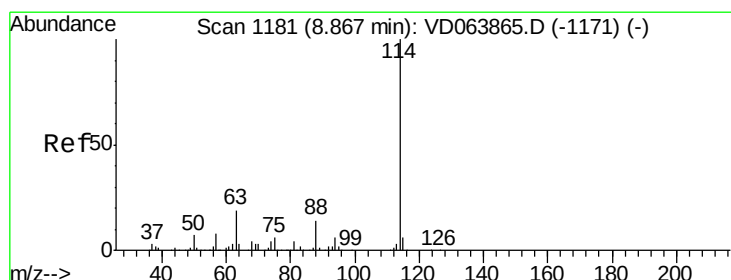
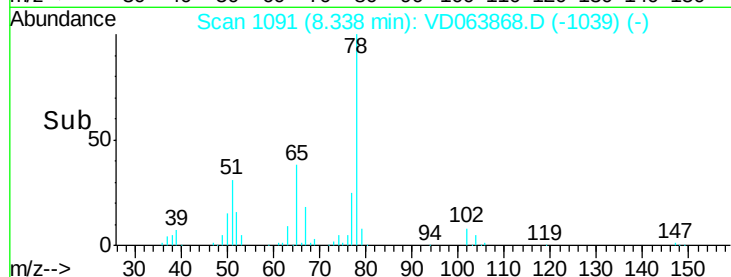
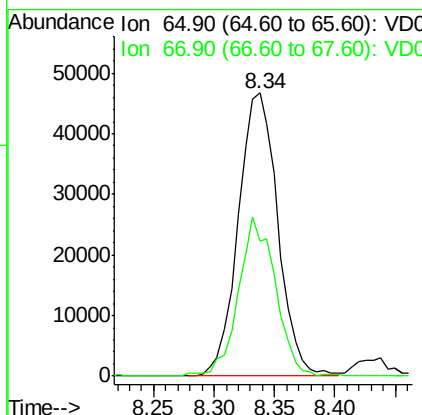
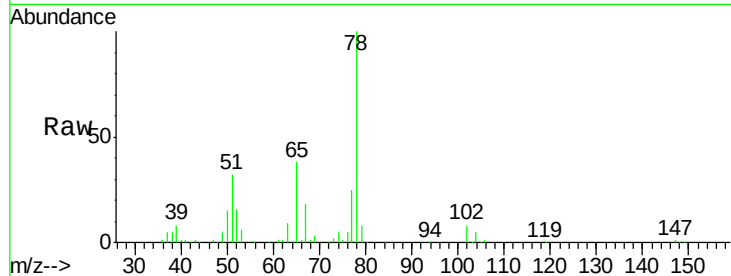
#33
 1,2-Dichloroethane-d4
 Concen: 50.955 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	106.4	

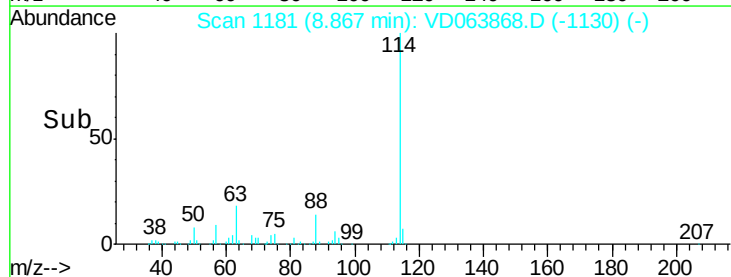
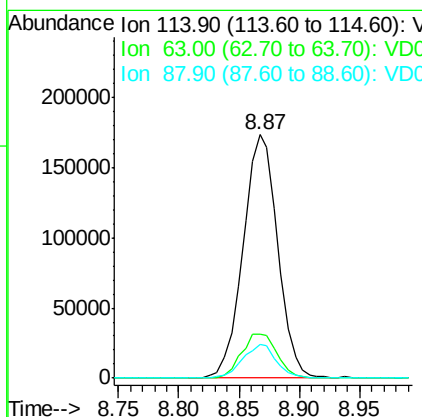
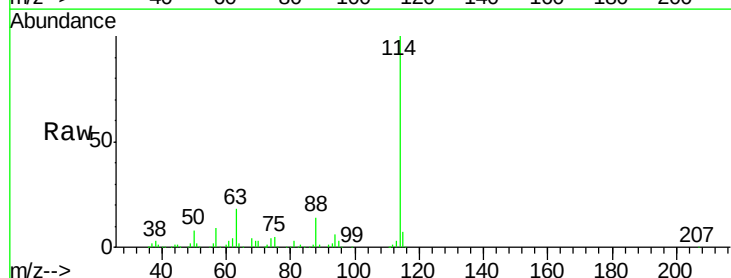
Manual Integrations
 APPROVED

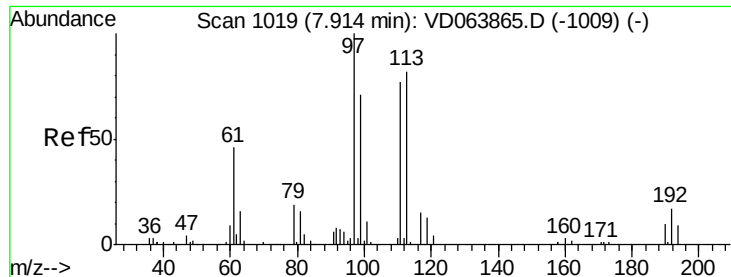
MMDadoda
 10/3/2019 12:55:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	38.4	
88	14.0	0.0	27.4	





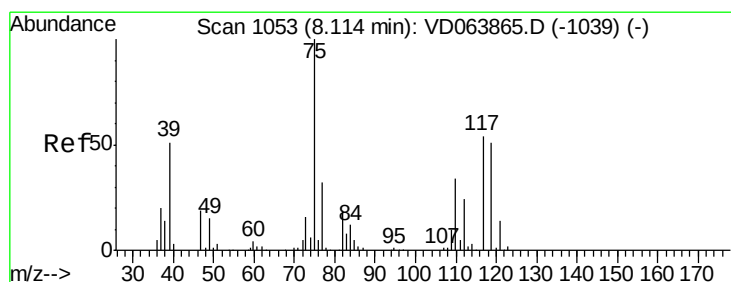
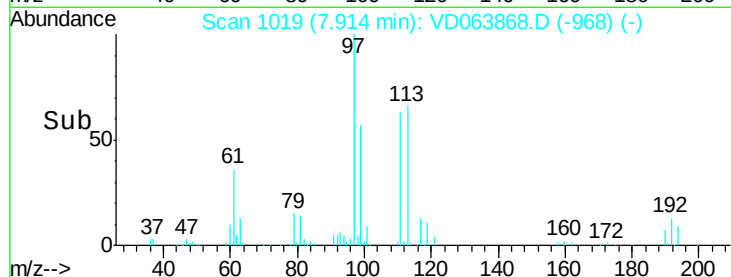
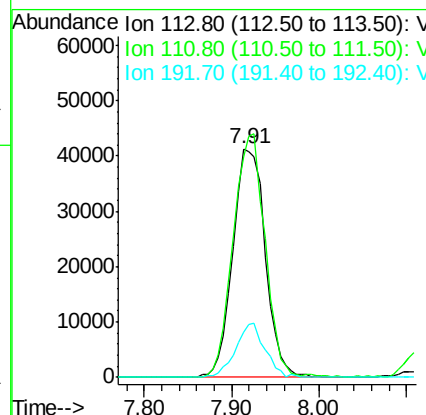
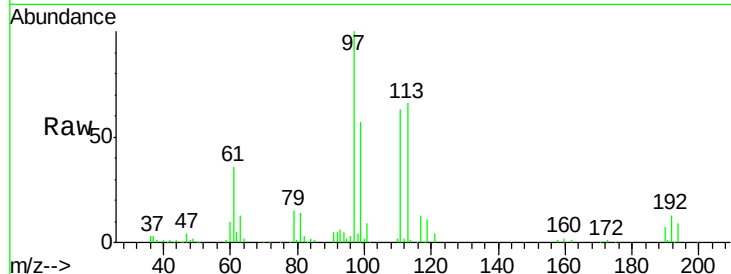
#35
Dibromofluoromethane
Concen: 49.217 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104021		
111	104.6	82.6	123.8	
192	21.0	17.1	25.7	

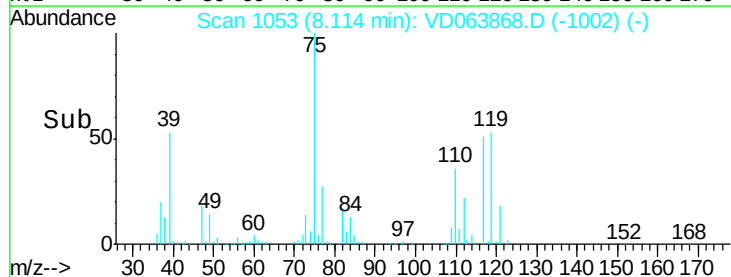
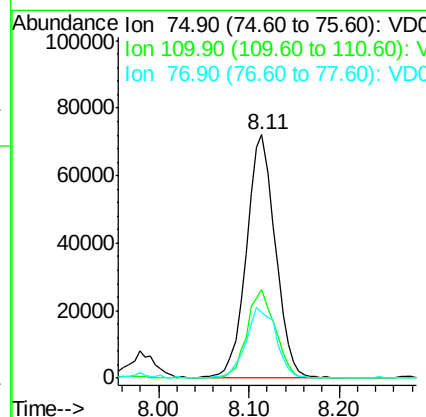
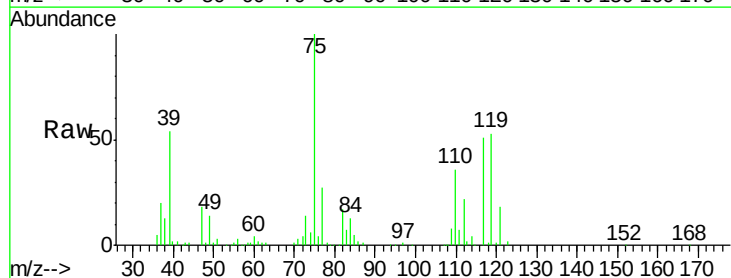
Manual Integrations
APPROVED

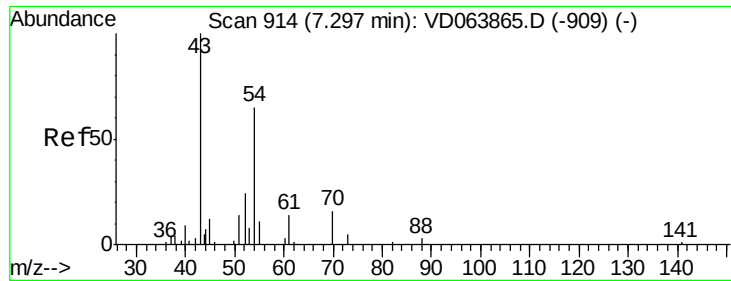
MMDadoda
10/3/2019 12:55:37 PM



#36
1,1-Dichloropropene
Concen: 50.560 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	159876		
110	35.6	17.4	52.3	
77	30.5	25.4	38.0	





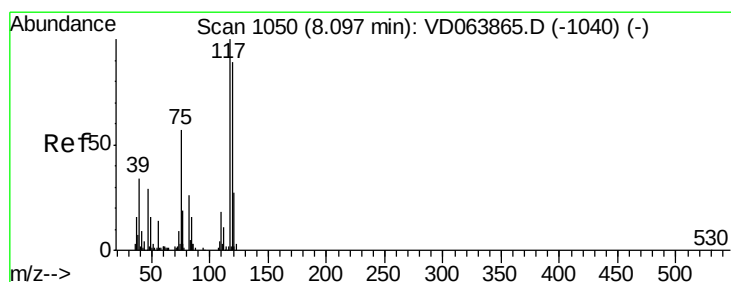
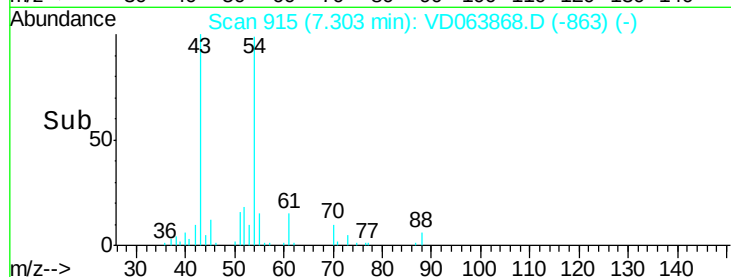
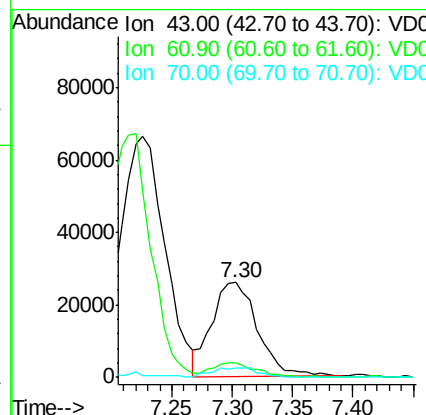
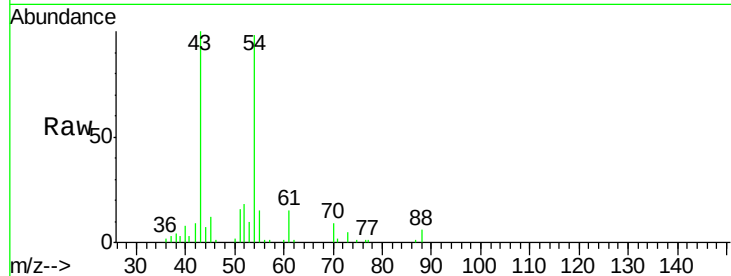
#37
Ethyl Acetate
Concen: 53.611 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	10.5	8.2	12.4

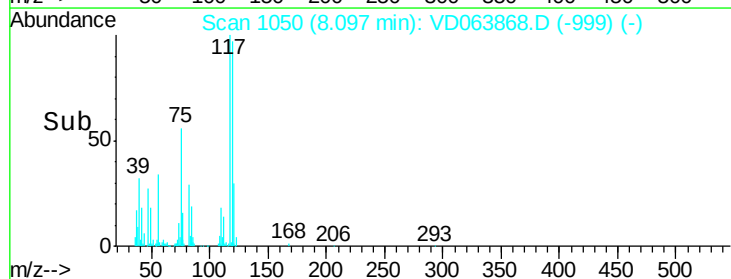
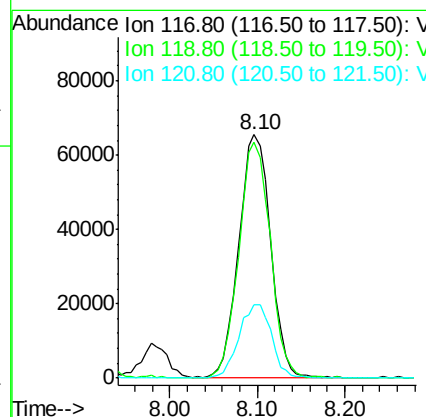
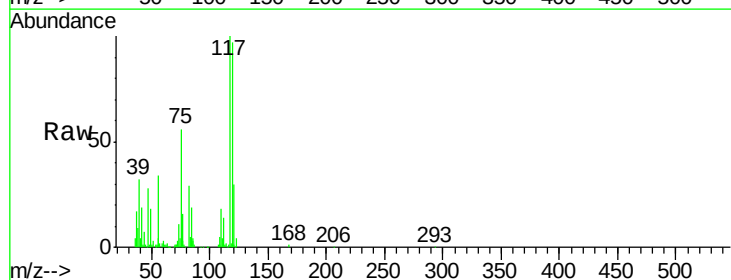
Manual Integrations
APPROVED

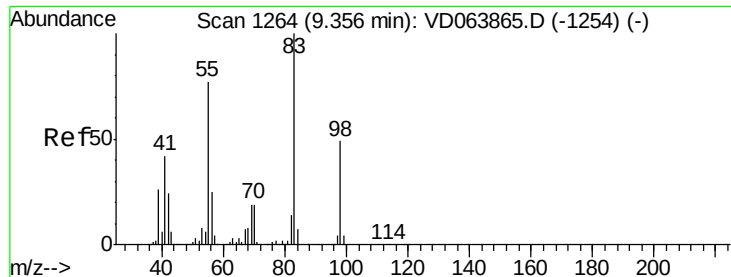
MMDadoda
10/3/2019 12:55:37 PM



#38
Carbon Tetrachloride
Concen: 50.646 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	70.8	106.2
121	29.9	21.4	32.0





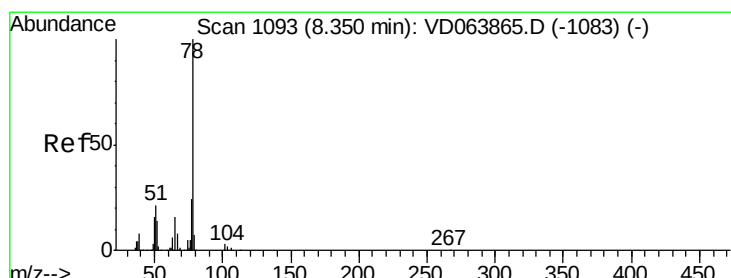
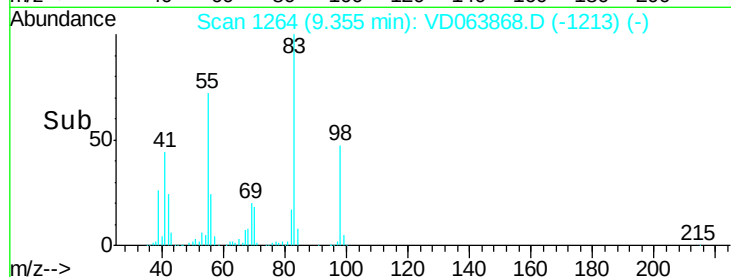
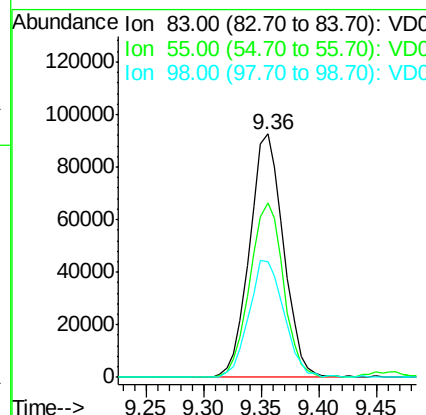
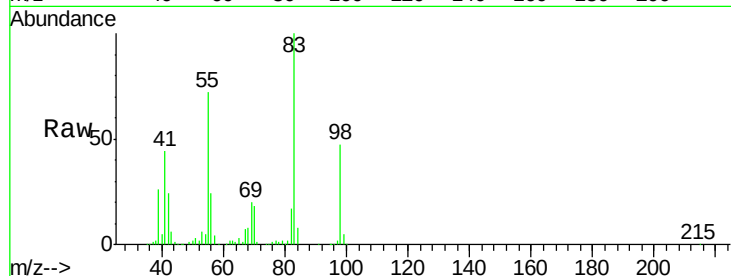
#39
Methylvlcyclohexane
Concen: 48.838 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189881		
55	71.6		61.3	91.9
98	47.4		39.3	58.9

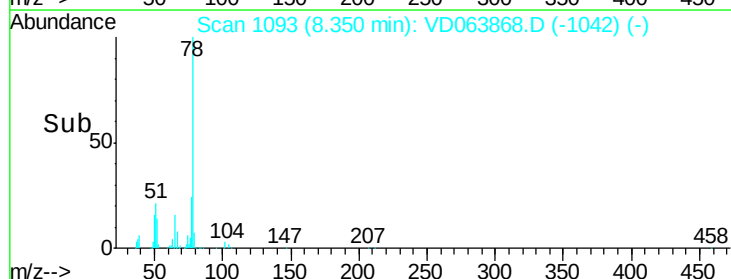
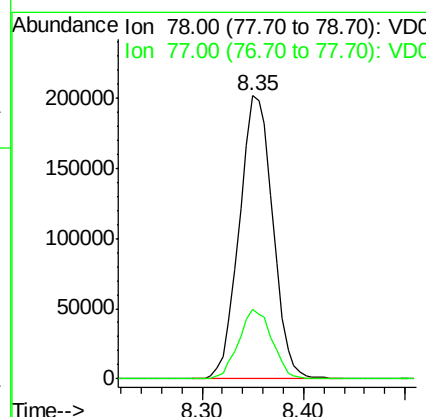
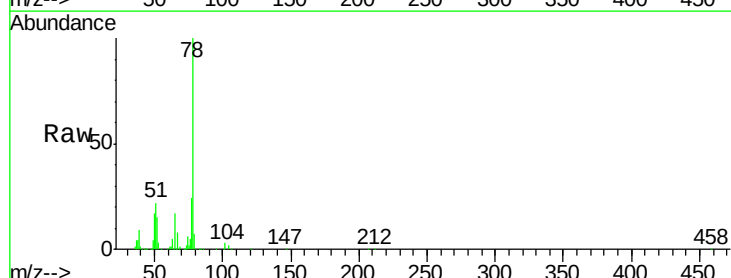
Manual Integrations
APPROVED

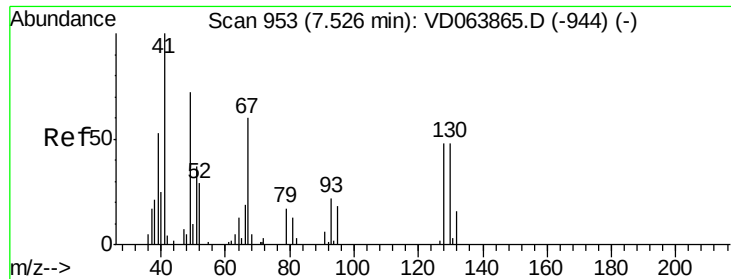
MMDadoda
10/3/2019 12:55:37 PM



#40
Benzene
Concen: 51.070 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	462777		
77	24.5		19.0	28.6





#41

Methacrylonitrile

Concen: 43.360 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 41 Resp: 31788

Ion Ratio Lower Upper

41 100

39 56.4 52.6 78.8

67 0.0 74.2 111.2#

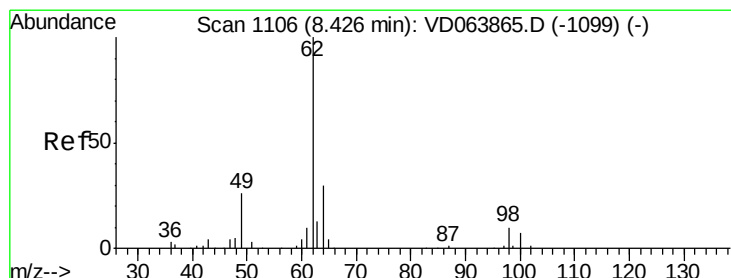
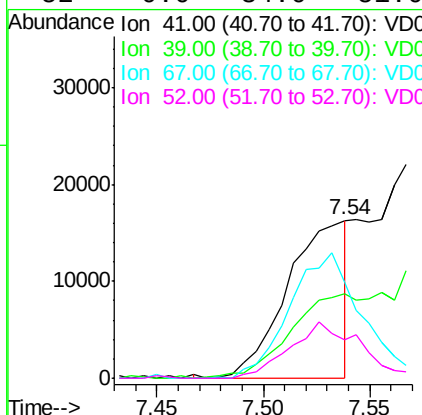
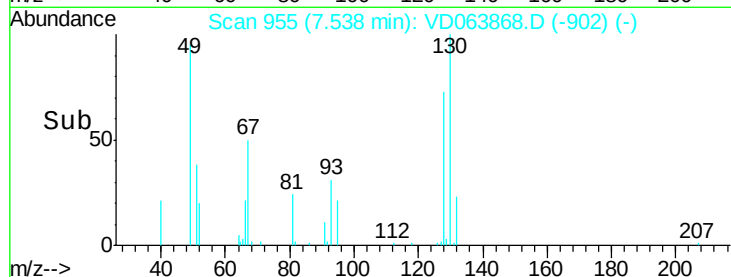
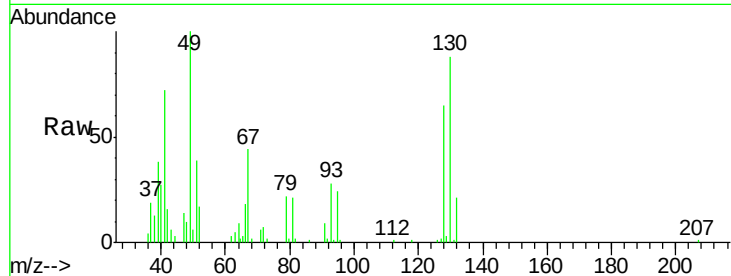
52 0.0 34.0 51.0#

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:37 PM



#42

1,2-Dichloroethane

Concen: 51.591 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063868.D

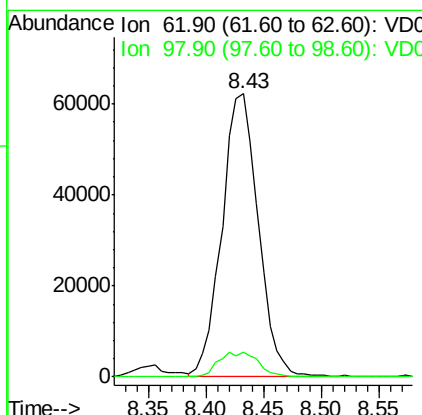
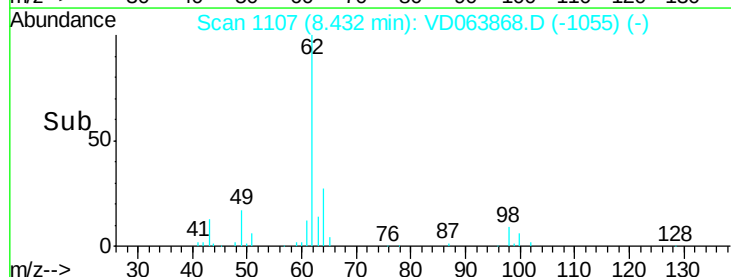
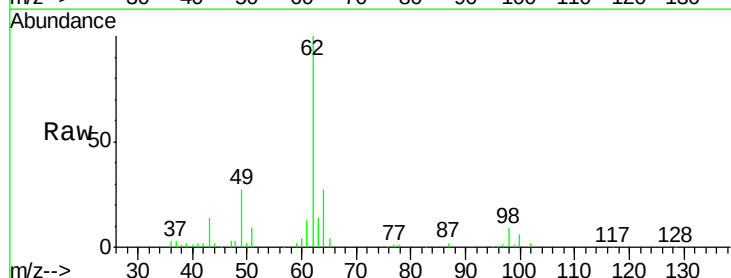
Acq: 02 Oct 2019 19:35

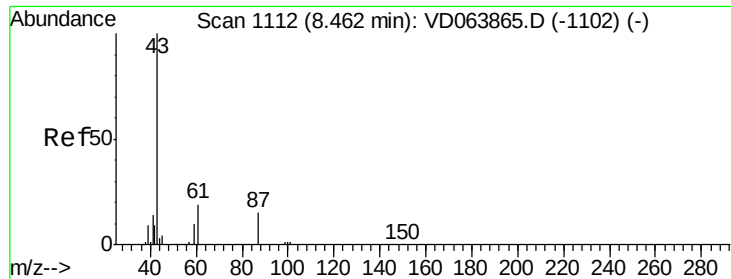
Tgt Ion: 62 Resp: 135230

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.0





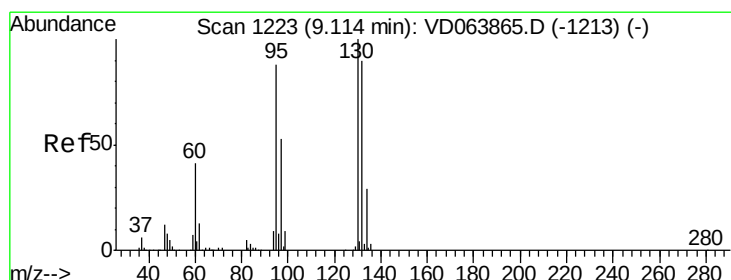
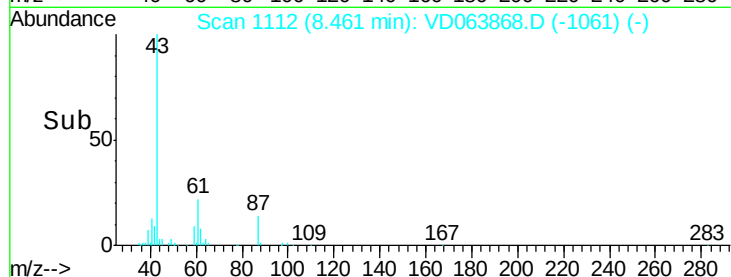
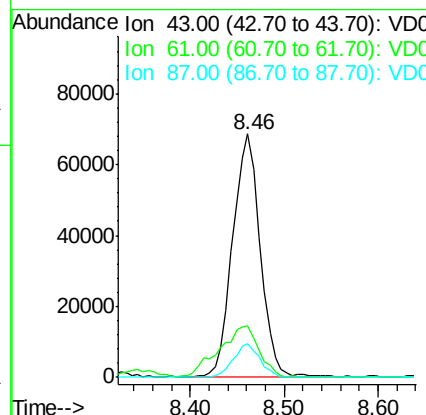
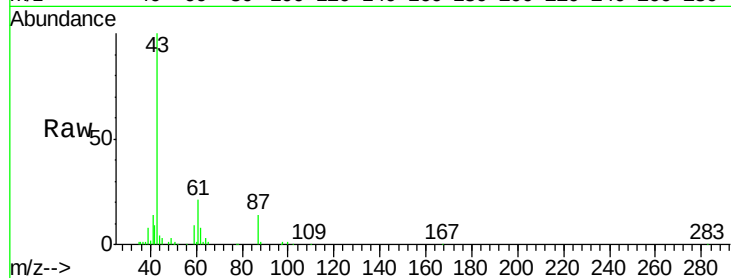
#43
Isopropyl Acetate
Concen: 52.947 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	25.7	38.5
87	13.2	11.6	17.4

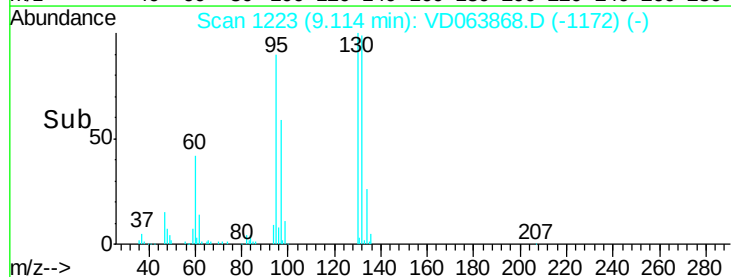
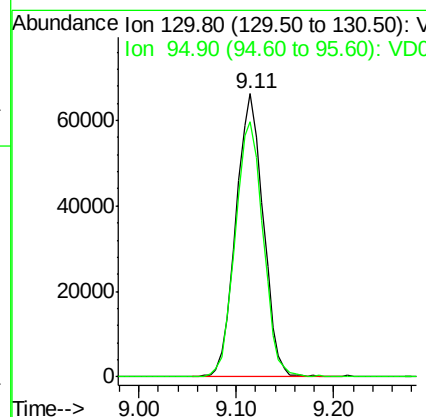
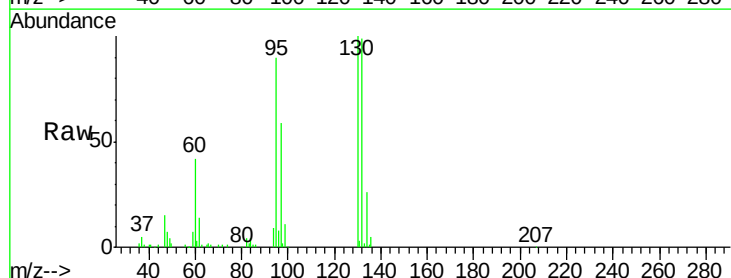
Manual Integrations
APPROVED

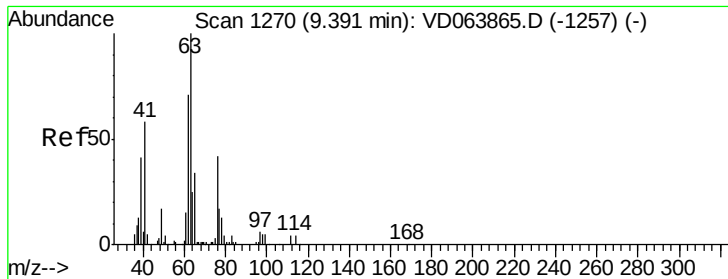
MMDadoda
10/3/2019 12:55:37 PM



#44
Trichloroethene
Concen: 49.518 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	175.6





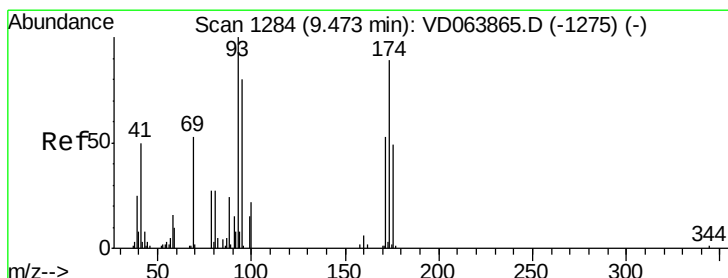
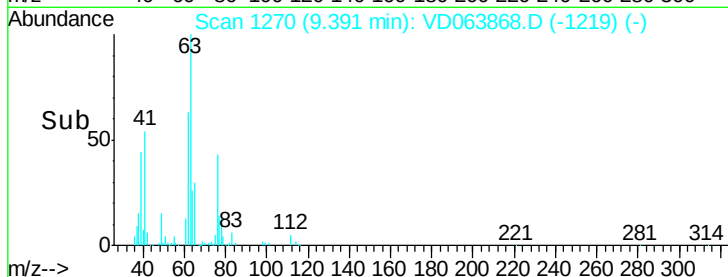
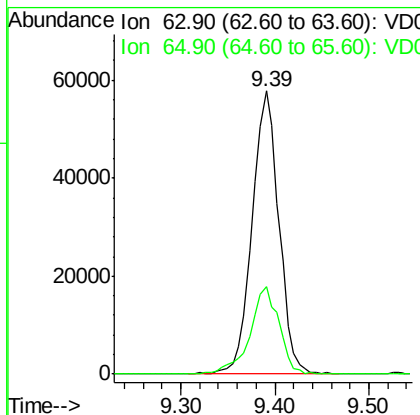
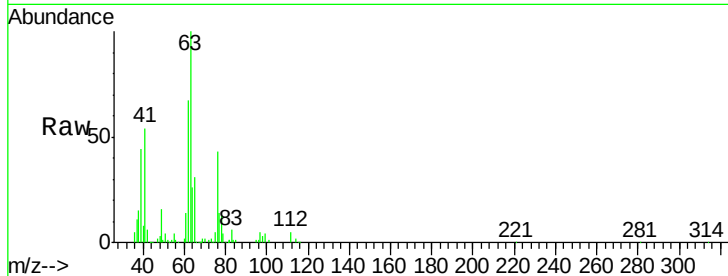
#45
 1,2-Dichloropropane
 Concen: 51.330 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	27.3	40.9

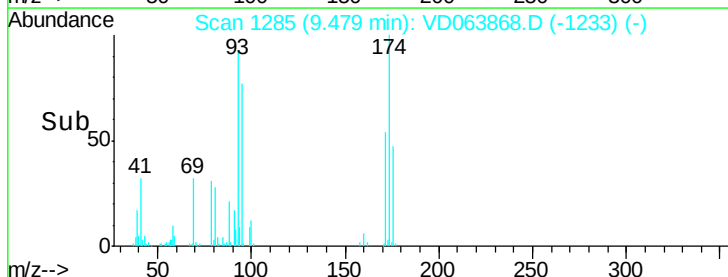
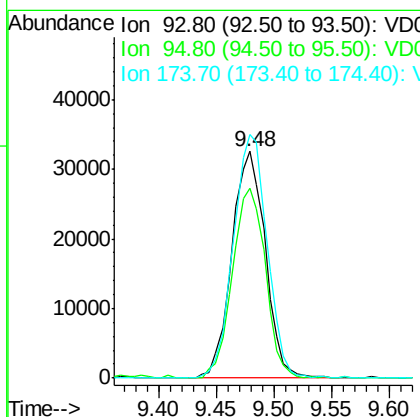
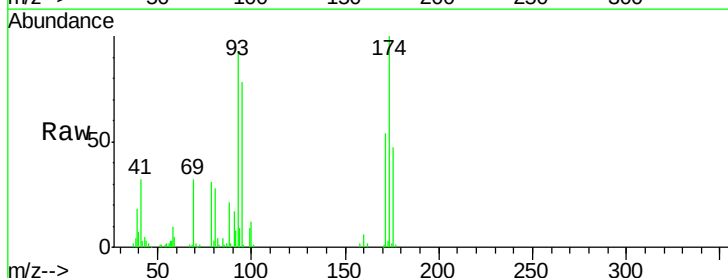
Manual Integrations
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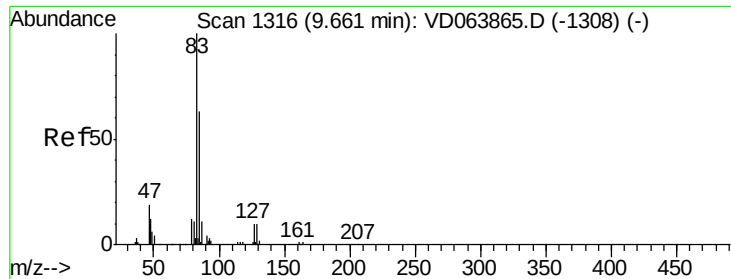
MMDadoda
 10/3/2019 12:55:37 PM



#46
 Dibromomethane
 Concen: 51.840 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.0	99.0
174	108.6	83.4	125.0





#47

Bromodichloromethane

Concen: 51.523 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

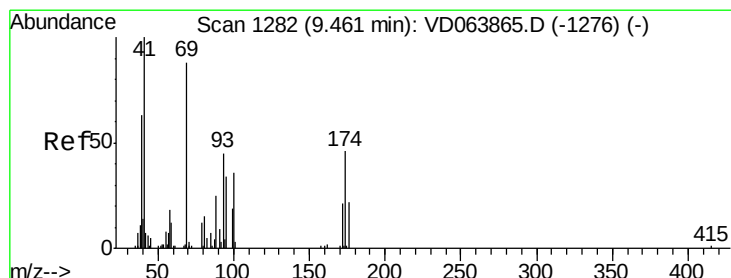
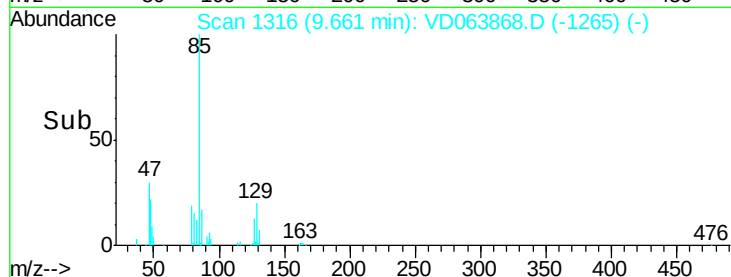
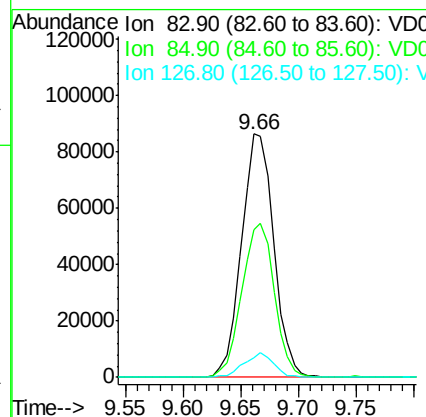
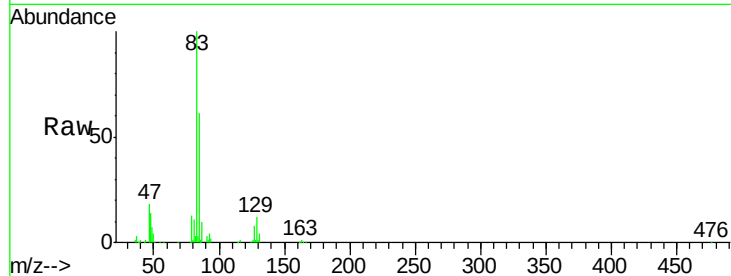
ClientSampleId :

ICVVD100219

Tot Ion:	83	Resp:	167562
Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.2	75.2
127	8.0	7.6	11.4

Manual Integrations
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MMDadoda
10/3/2019 12:55:37 PM



#48

Methyl methacrylate

Concen: 49.856 ug/l

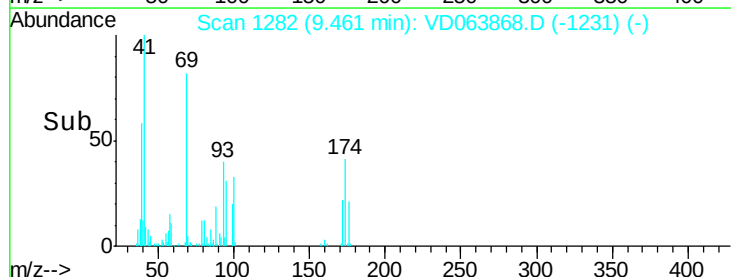
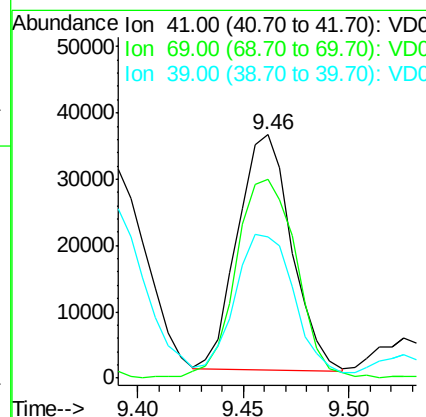
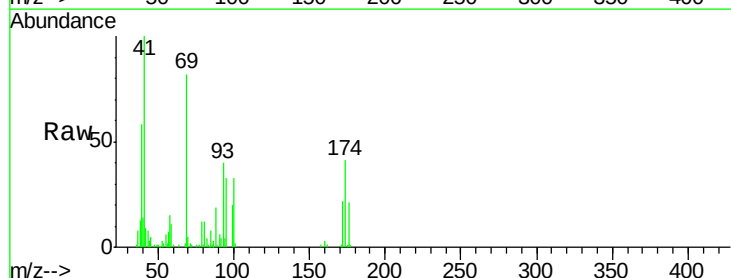
RT: 9.46 min Scan# 1282

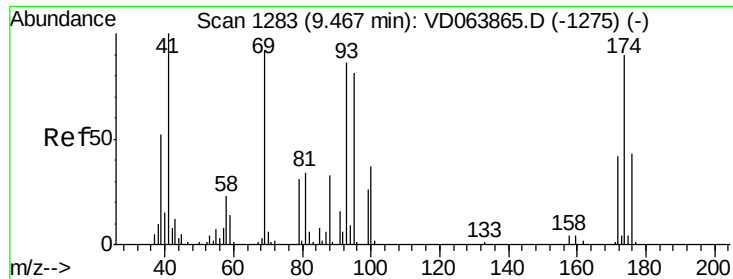
Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion:	41	Resp:	63346
Ion	Ratio	Lower	Upper
41	100		
69	93.3	75.1	112.7
39	68.7	50.2	75.2





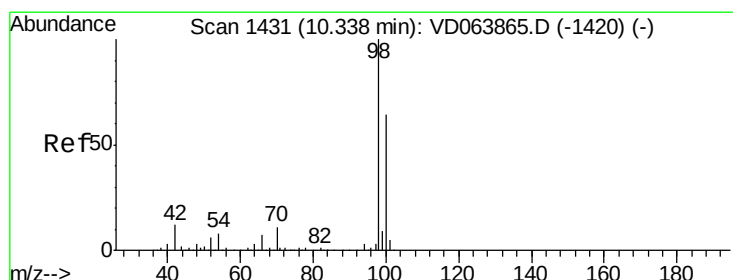
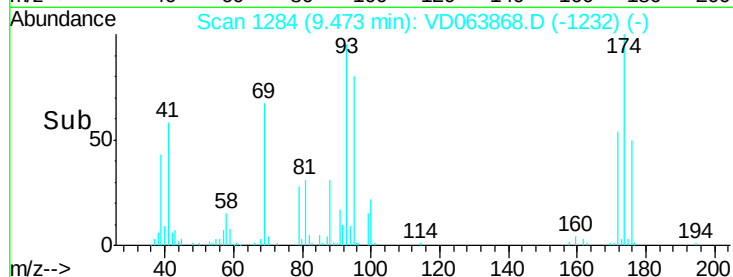
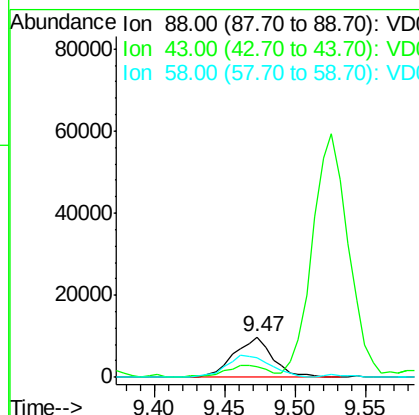
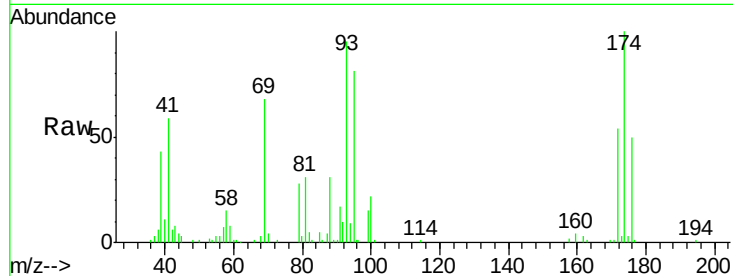
#49
1,4-Dioxane
Concen: 1085.721 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18720		
43	33.3		27.6	41.4
58	62.7		54.1	81.1

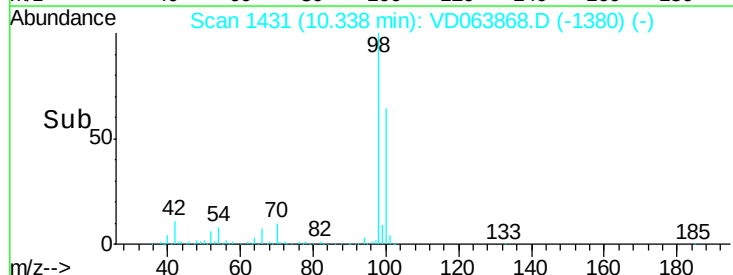
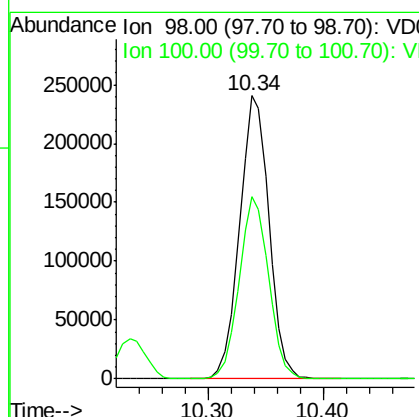
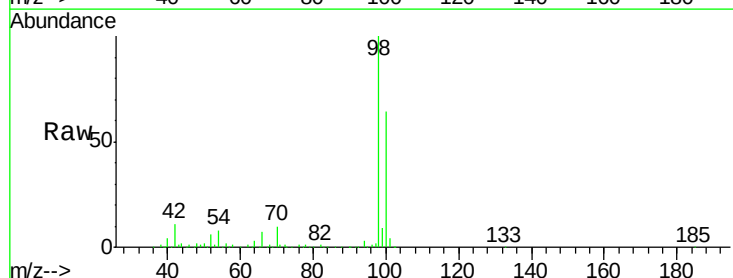
Manual Integrations
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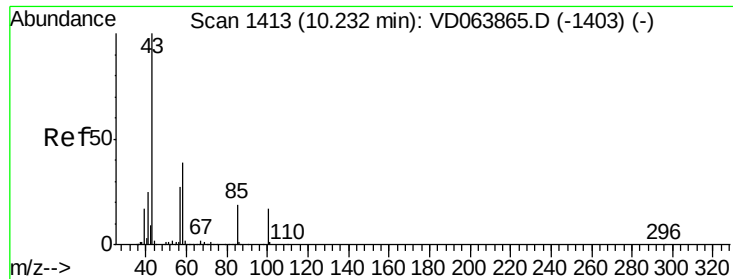
MMDadoda
10/3/2019 12:55:37 PM



#50
Toluene-d8
Concen: 49.353 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	423375		
100	64.8		52.1	78.1





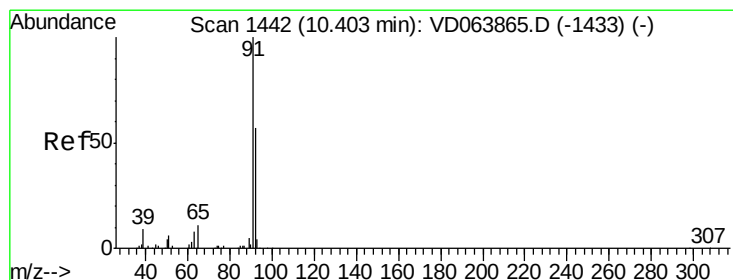
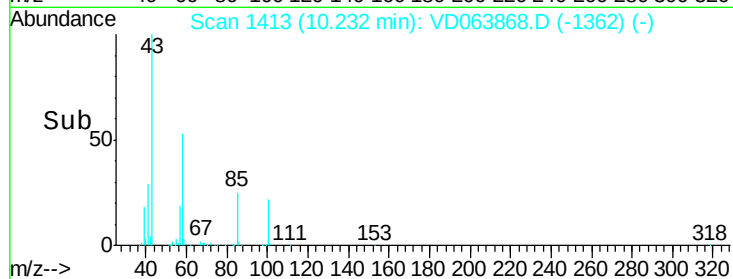
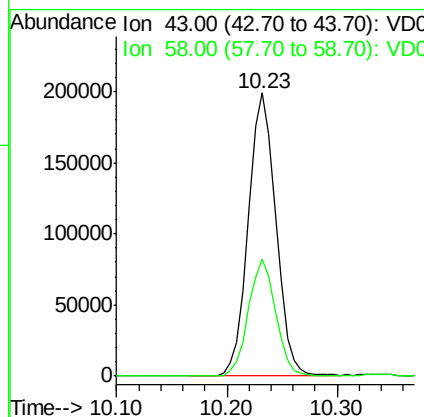
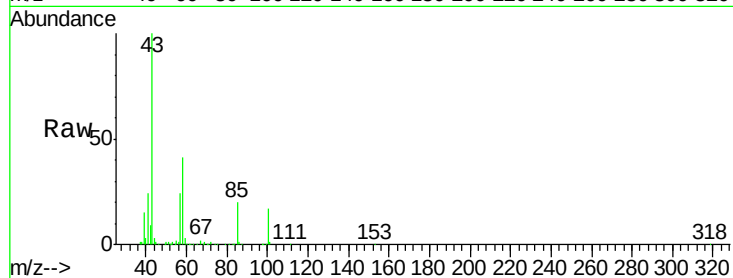
#51
4-Methyl-2-Pentanone
Concen: 255.704 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	43	Resp	351670
Ion Ratio	100	Lower	Upper
58	40.7	33.0	49.4

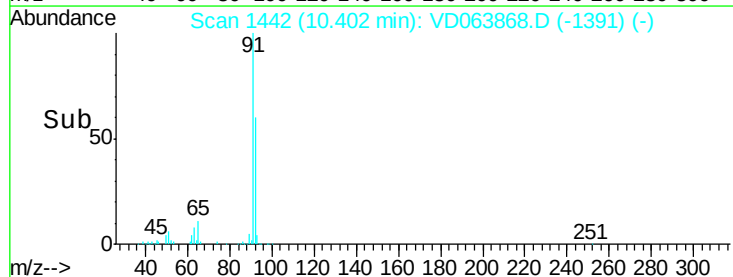
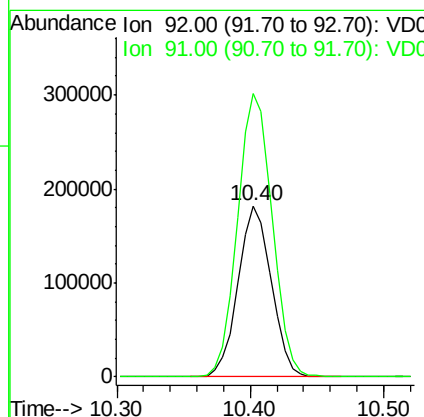
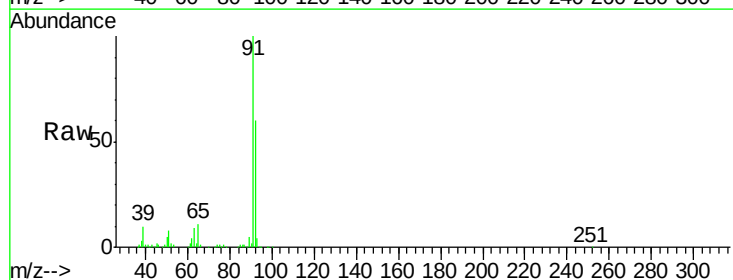
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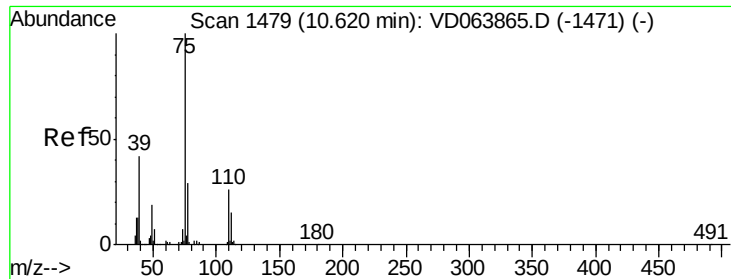
MMDadoda
10/3/2019 12:55:37 PM



#52
Toluene
Concen: 50.523 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	92	Resp	314284
Ion Ratio	100	Lower	Upper
91	172.2	139.5	209.3





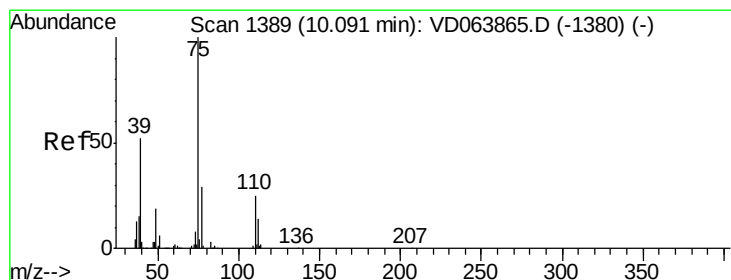
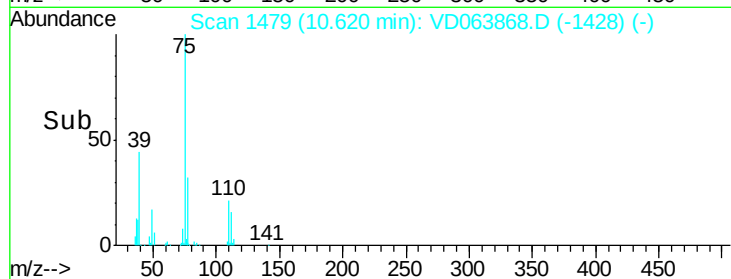
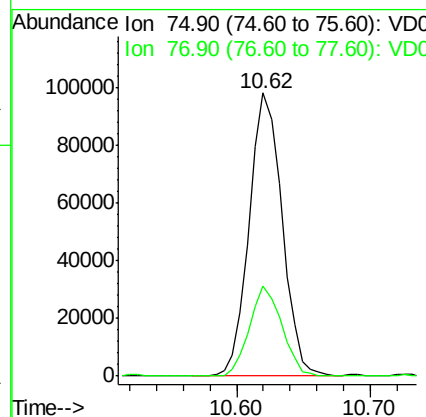
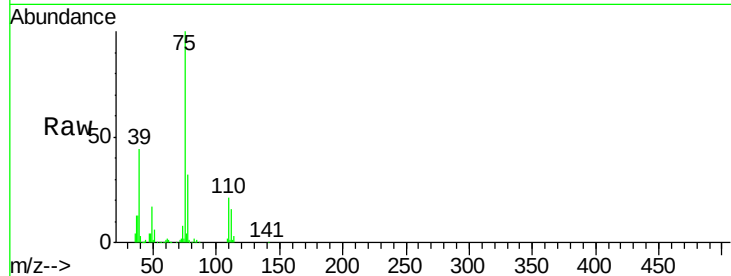
#53
 t-1,3-Dichloropropene
 Concen: 52.543 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.8	34.2

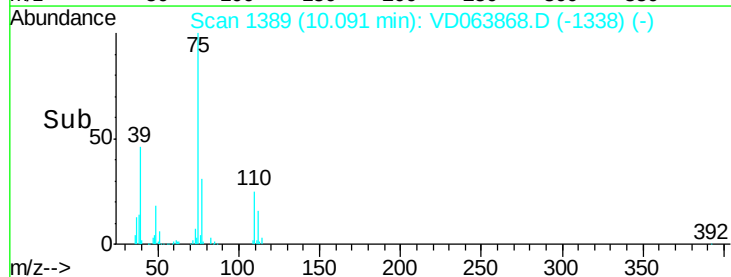
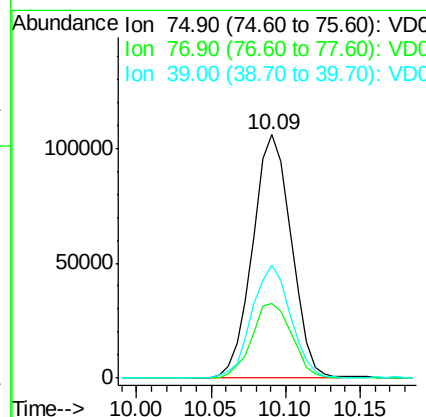
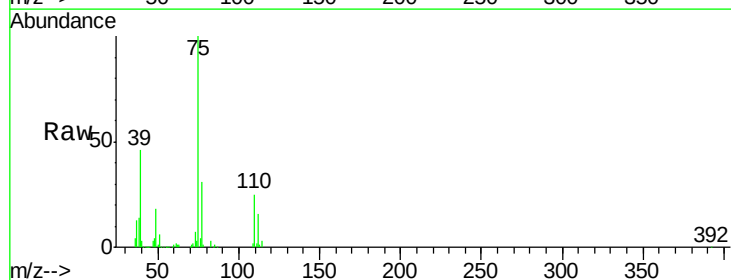
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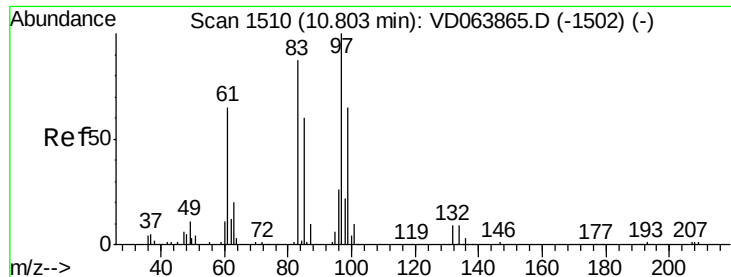
MMDadoda
 10/3/2019 12:55:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.909 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	23.2	34.8
39	46.4	41.5	62.3





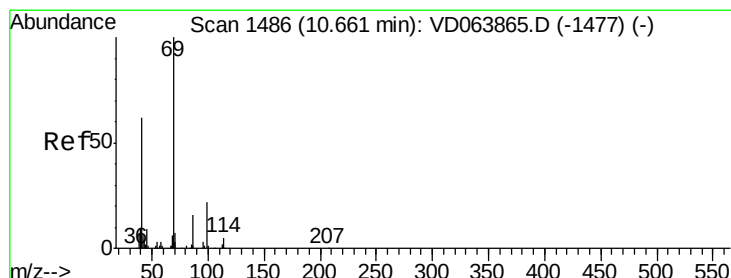
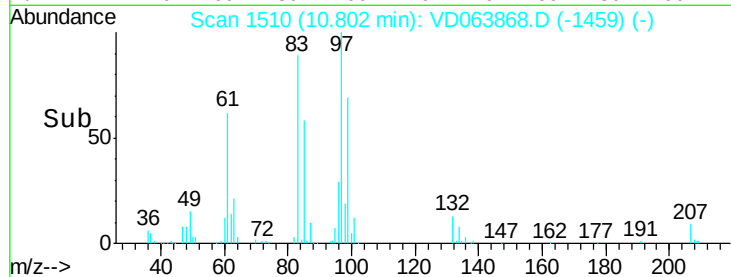
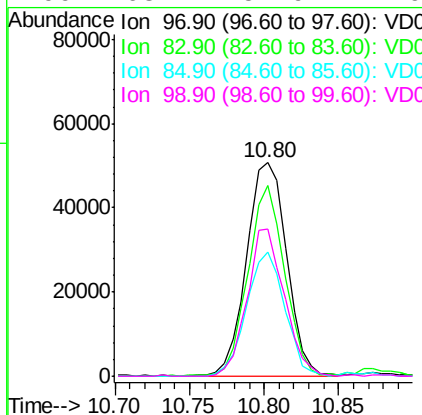
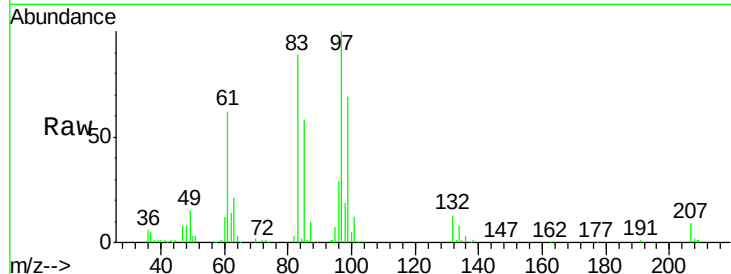
#55
 1,1,2-Trichloroethane
 Concen: 52.804 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.7	104.5
85	57.9	48.1	72.1
99	68.7	51.9	77.9

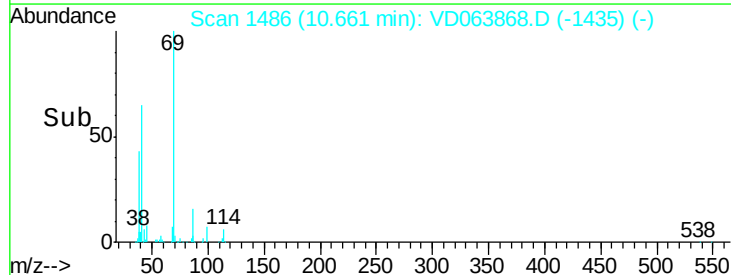
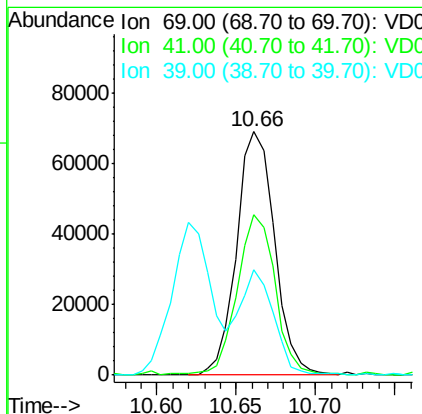
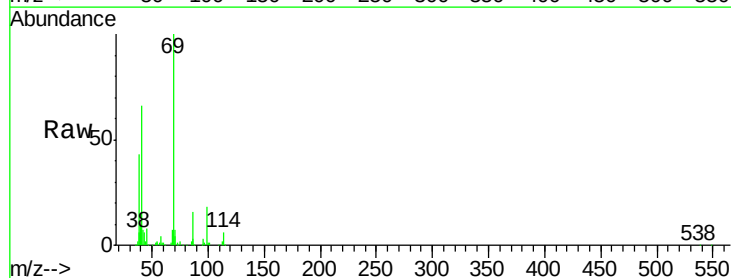
Manual Integrations
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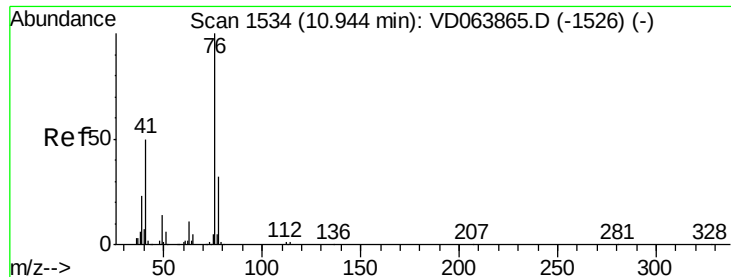
MMDadoda
 10/3/2019 12:55:37 PM



#56
 Ethyl methacrylate
 Concen: 51.130 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.3	76.9
39	39.2	28.0	42.0





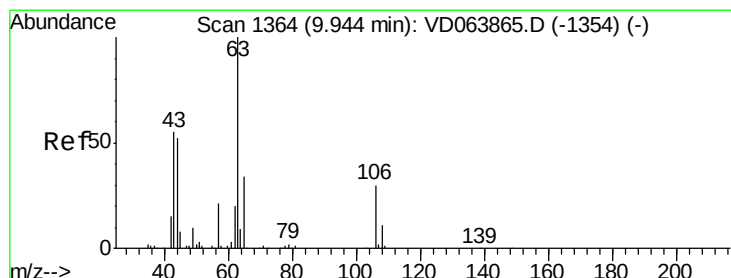
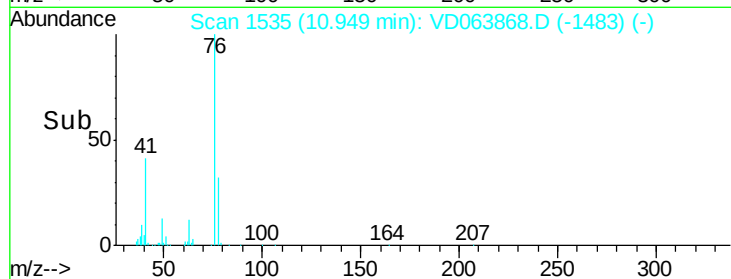
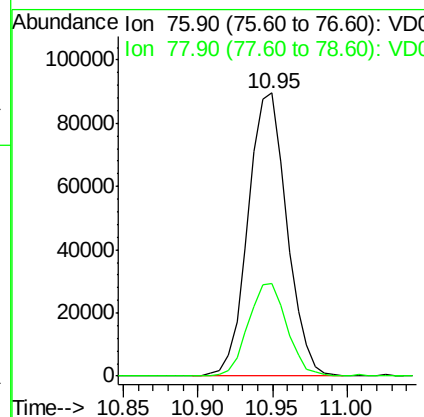
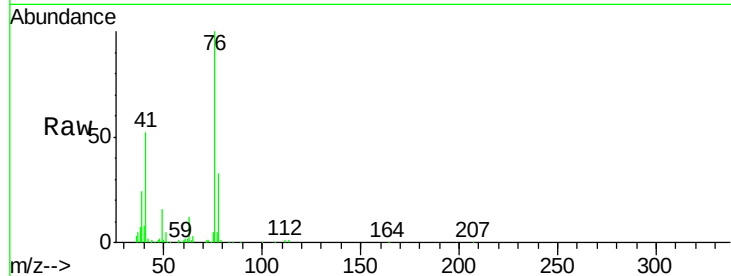
#57
 1,3-Dichloropropane
 Concen: 52.749 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	40.0

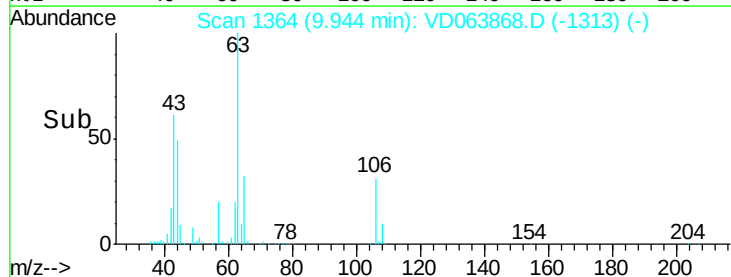
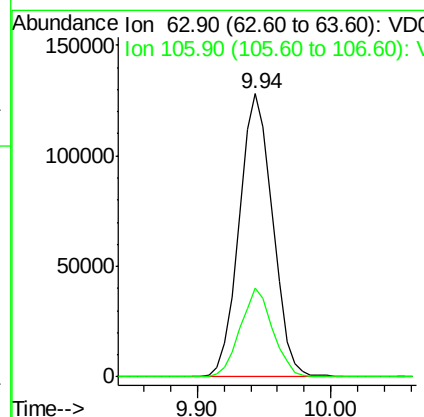
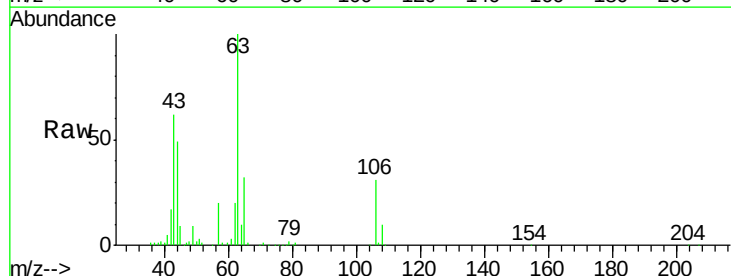
Manual Integrations
 APPROVED

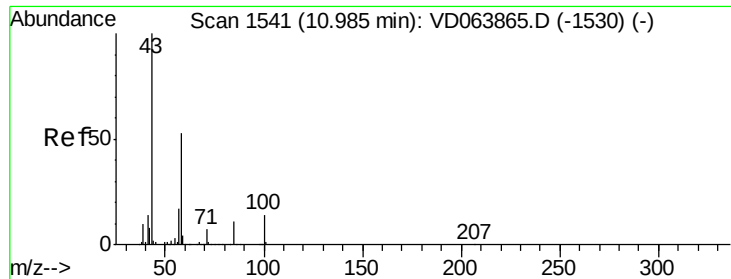
MMDadoda
 10/3/2019 12:55:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.932 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.3	36.5





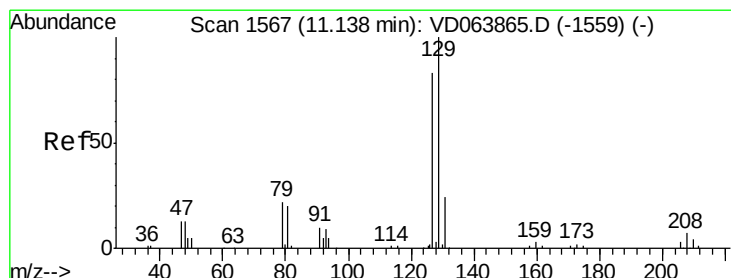
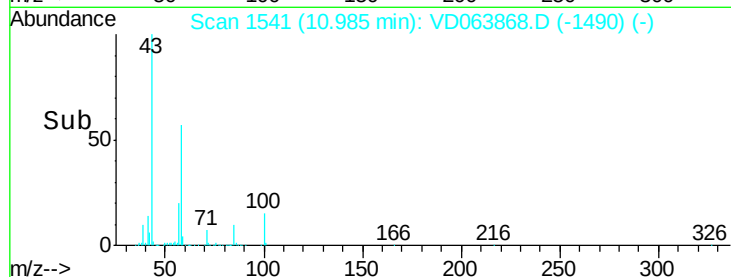
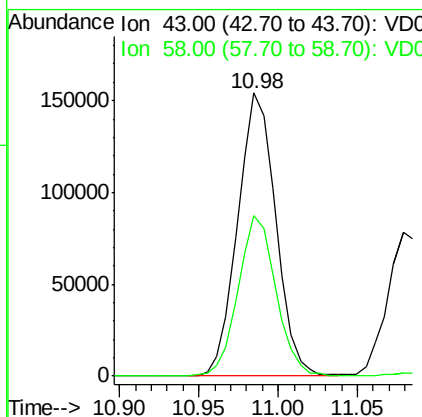
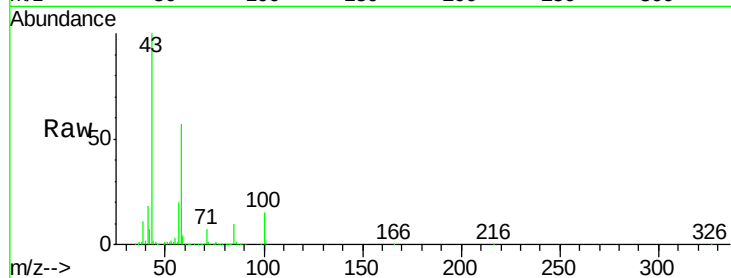
#59
2-Hexanone
Concen: 259.628 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	43	Resp	258291
Ion Ratio	100	Lower	Upper
43	100		
58	56.0	27.7	83.0

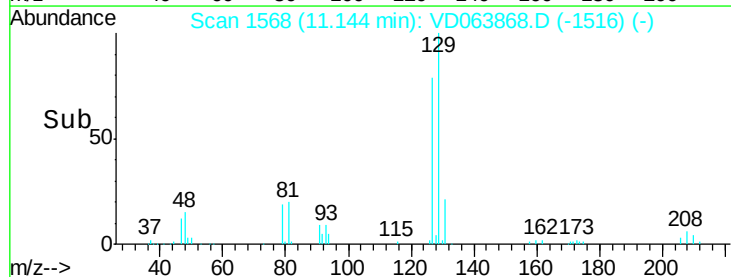
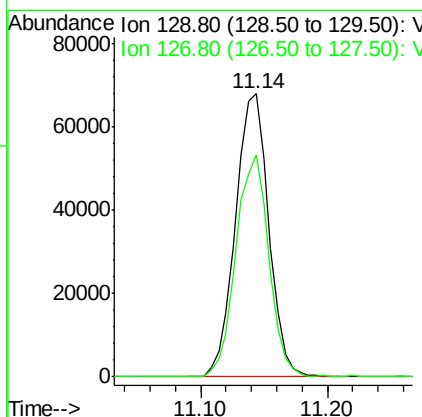
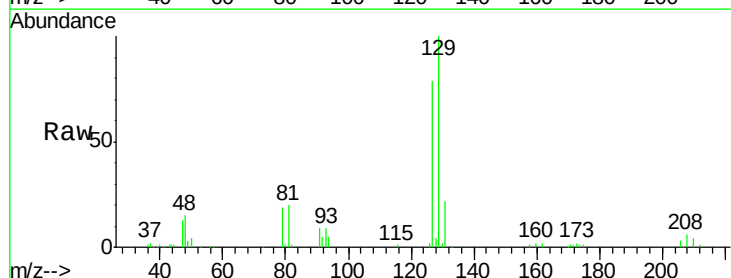
Manual Integrations
APPROVED

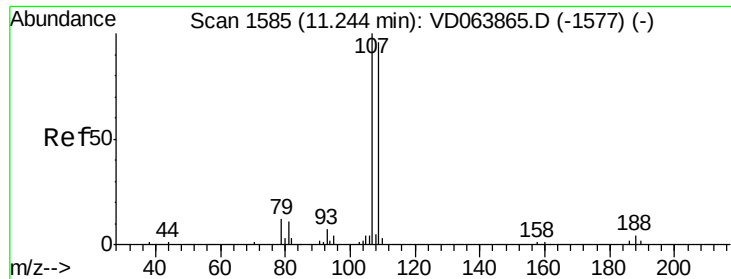
MMDadoda
10/3/2019 12:55:37 PM



#60
Dibromochloromethane
Concen: 53.088 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	129	Resp	123269	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.5	39.9	119.6	





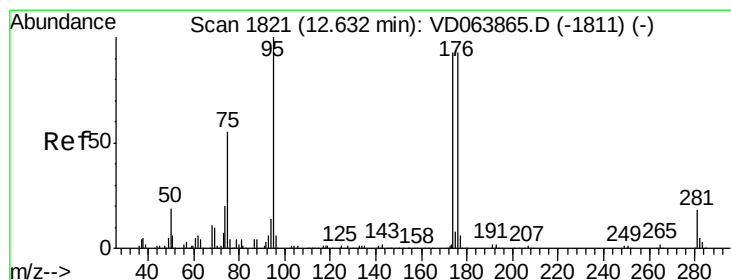
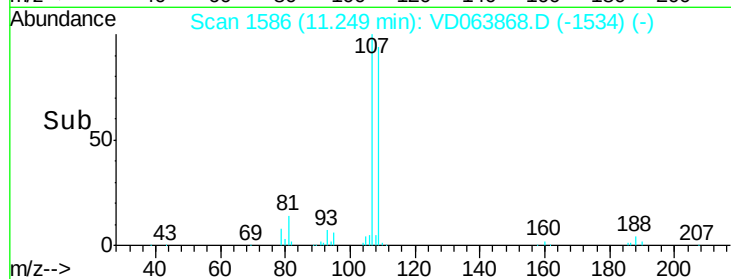
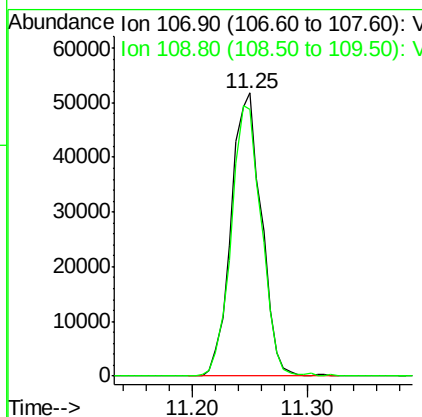
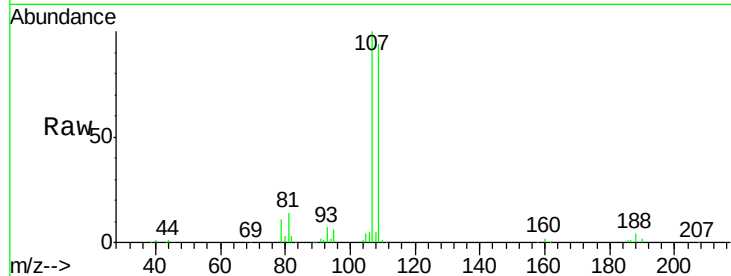
#61
 1,2-Dibromoethane
 Concen: 54.559 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion: 107 Resp: 94335
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.2 112.8

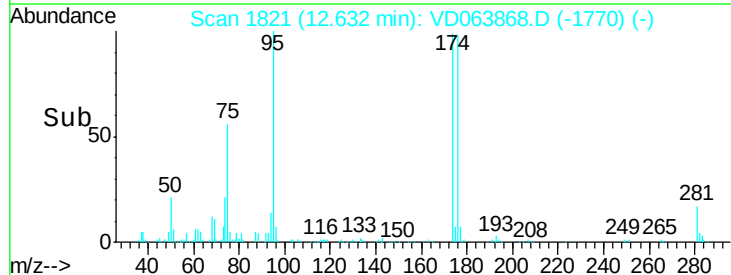
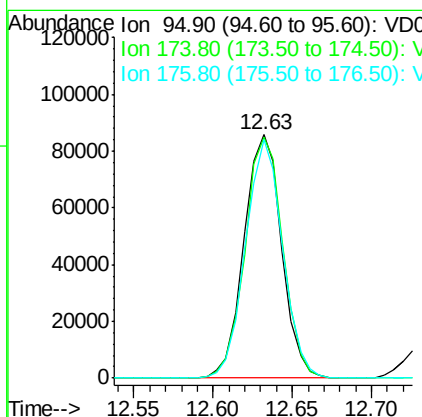
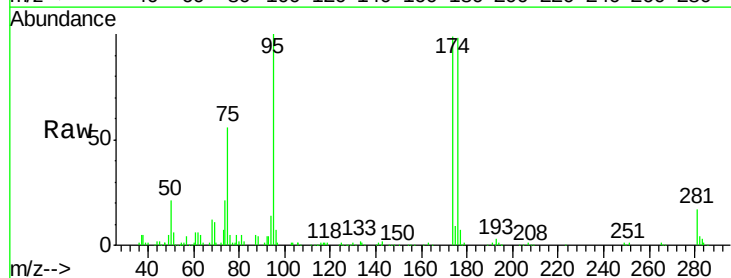
Manual Integrations
 APPROVED

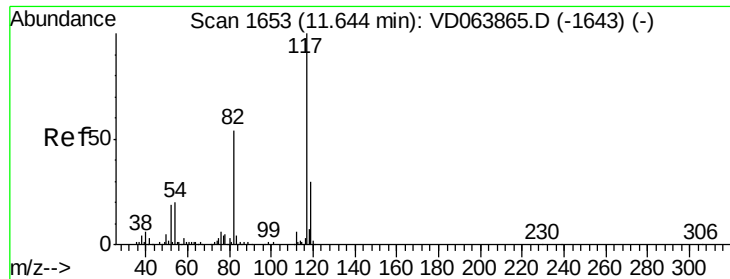
MMDadoda
 10/3/2019 12:55:37 PM



#62
 4-Bromofluorobenzene
 Concen: 47.307 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion: 95 Resp: 141024
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 186.4
 176 97.0 0.0 184.2





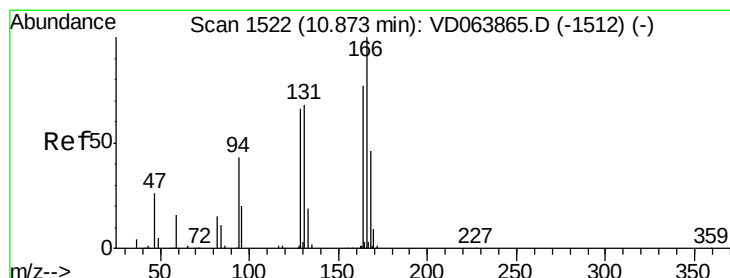
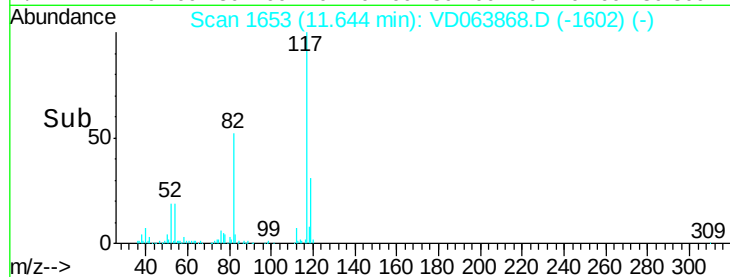
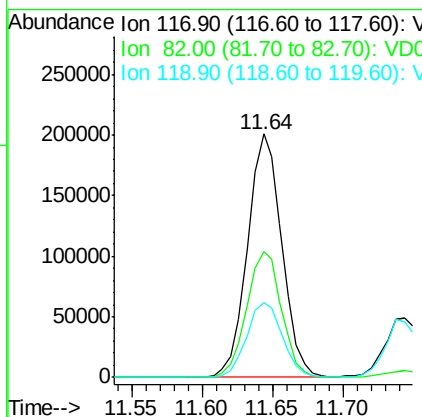
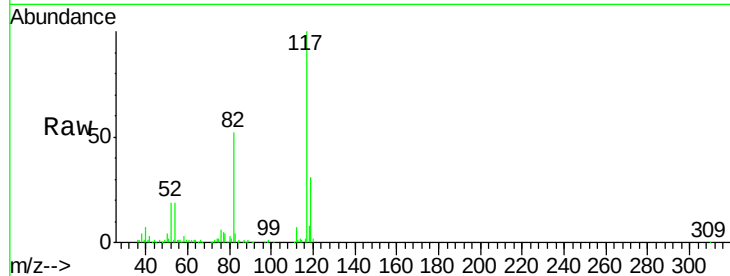
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.8	64.2
119	30.5	24.4	36.6

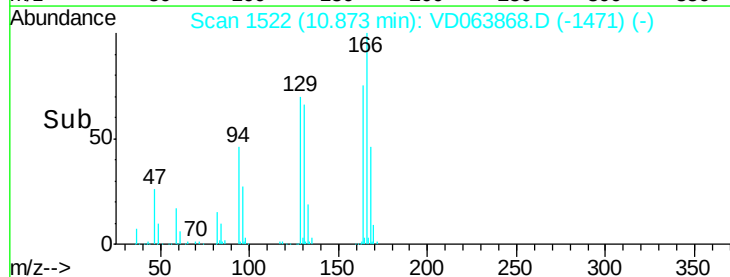
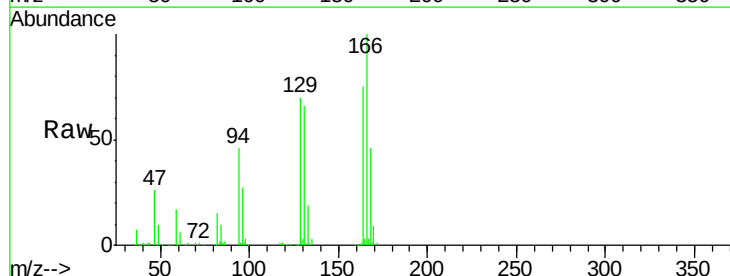
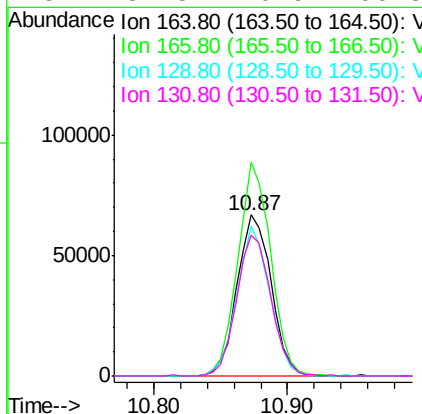
Manual Integrations
APPROVED

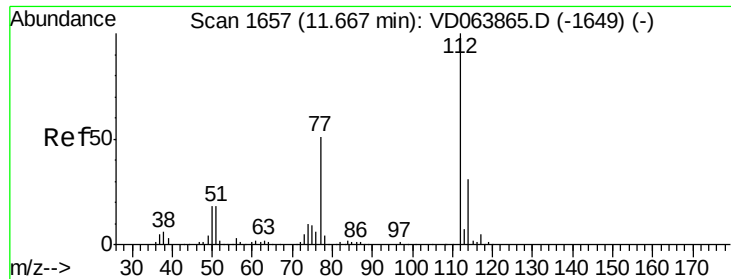
MMDadoda
10/3/2019 12:55:37 PM



#64
Tetrachloroethene
Concen: 50.435 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	103.8	155.6
129	92.9	68.9	103.3
131	87.8	70.9	106.3





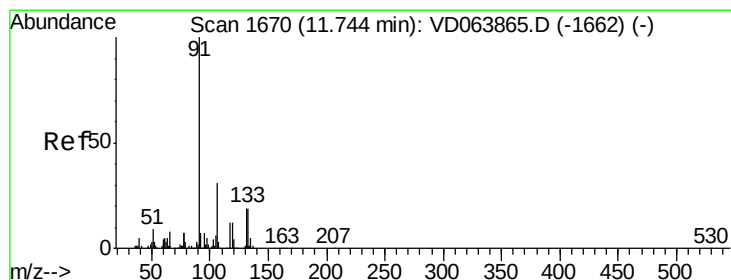
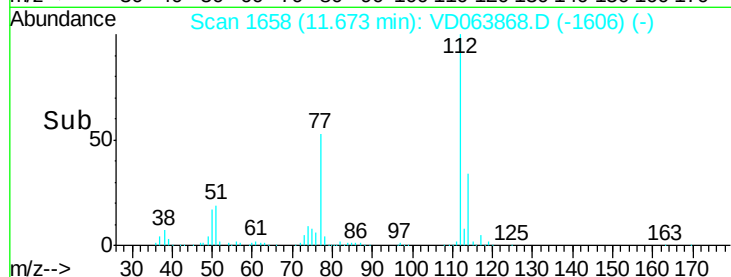
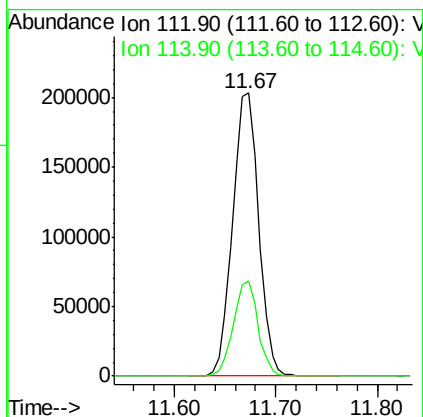
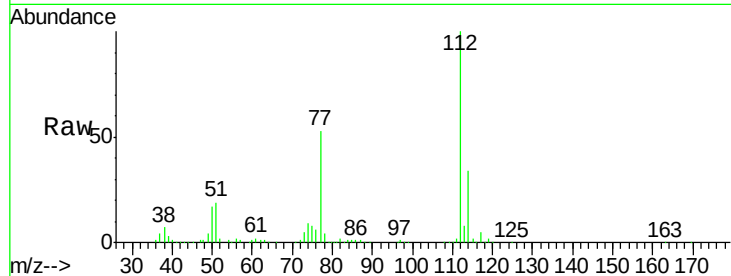
#65
Chlorobenzene
Concen: 52.815 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion:112 Resp: 363486
Ion Ratio Lower Upper
112 100
114 33.5 25.1 37.7

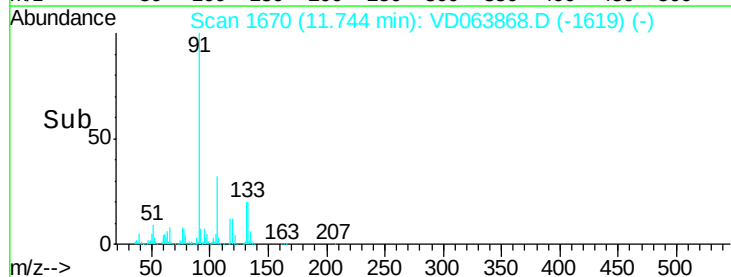
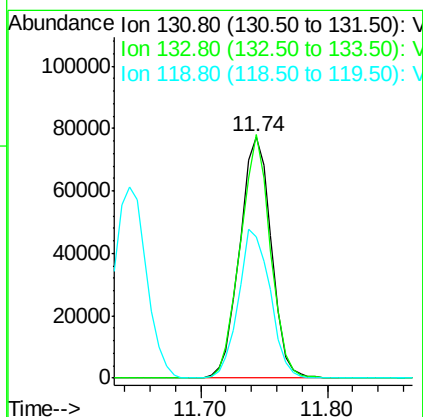
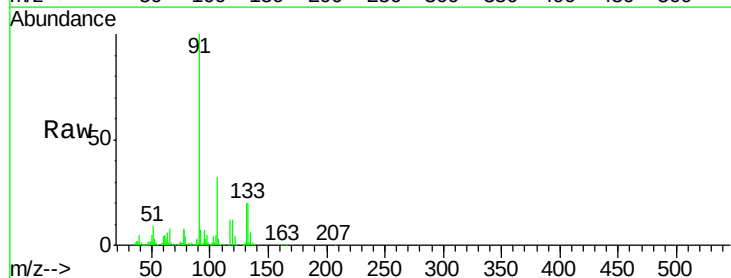
Manual Integrations
APPROVED

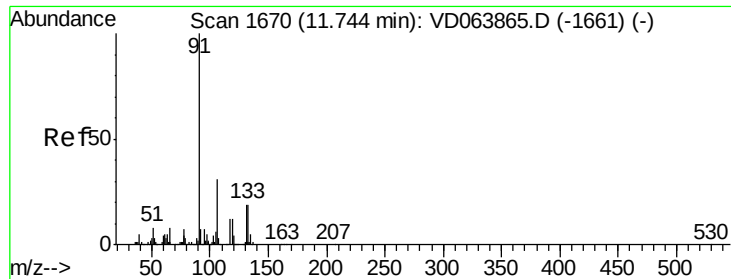
MMDadoda
10/3/2019 12:55:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.629 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion:131 Resp: 133463
Ion Ratio Lower Upper
131 100
133 96.3 48.9 146.7
119 62.0 32.6 97.8





#67

Ethyl Benzene

Concen: 51.129 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampled :

ICVVD100219

Tot Ion: 91 Resp: 634511

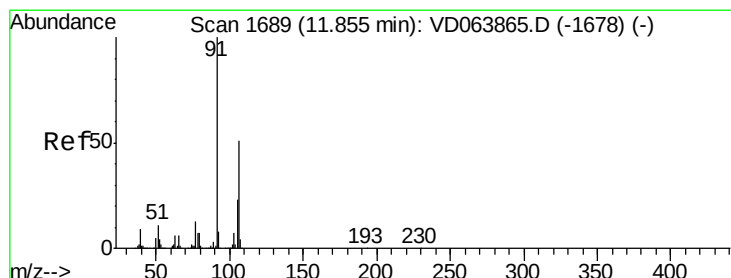
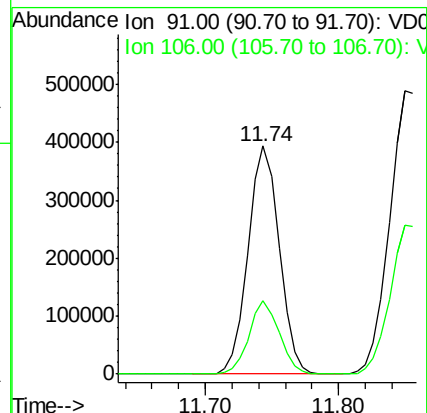
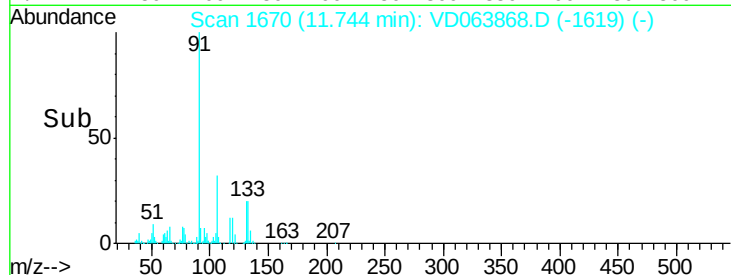
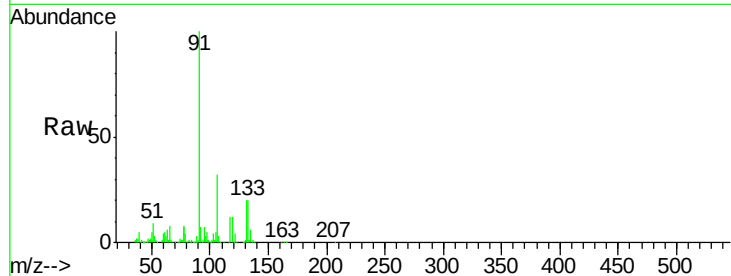
Ion Ratio Lower Upper

91 100

106 32.4 24.6 37.0

Manual Integrations
APPROVED

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10/3/2019 12:55:37 PM



#68

m/p-Xylenes

Concen: 103.137 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063868.D

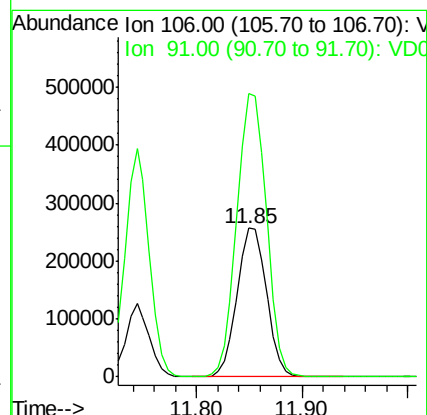
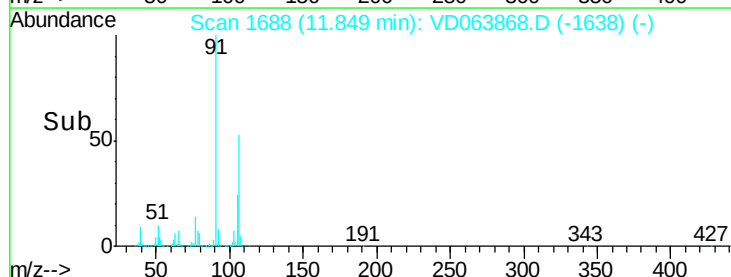
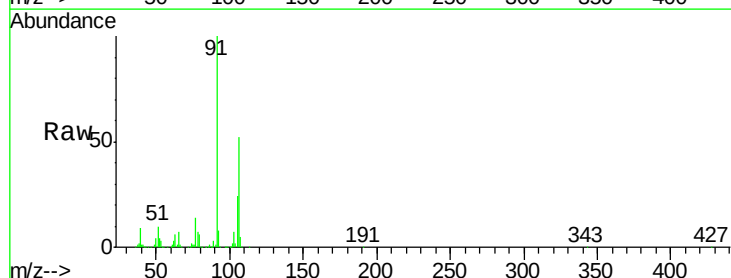
Acq: 02 Oct 2019 19:35

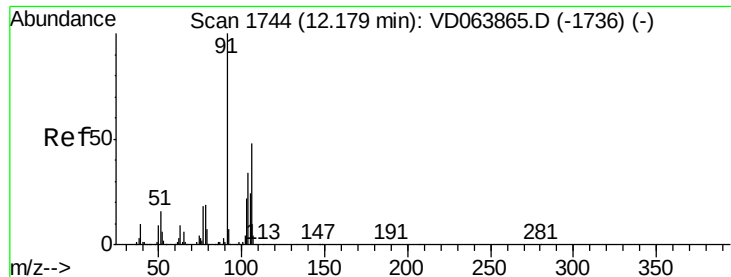
Tgt Ion: 106 Resp: 494021

Ion Ratio Lower Upper

106 100

91 192.0 154.8 232.2





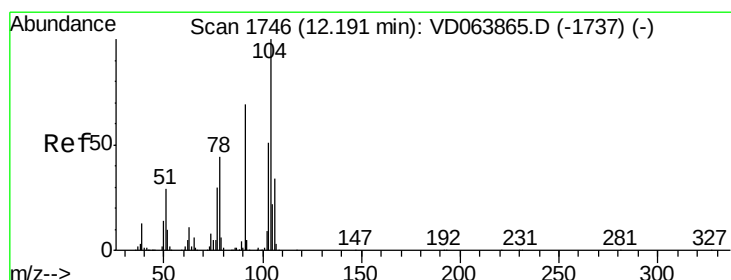
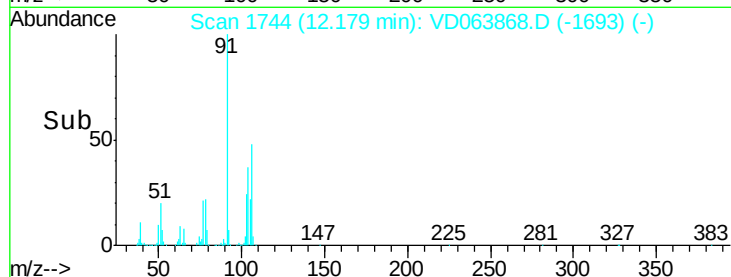
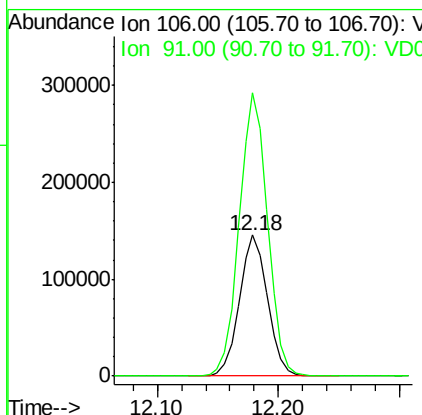
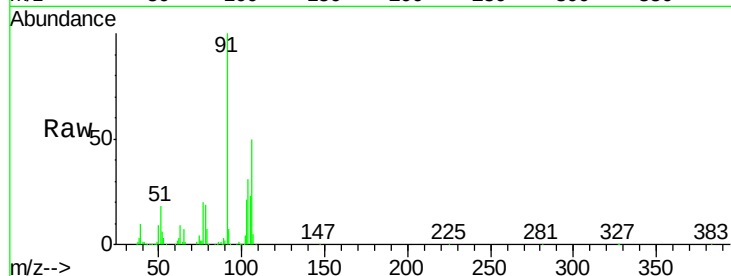
#69
o-Xylene
Concen: 51.306 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
106	100	235321		
91	202.7	103.9	311.7	

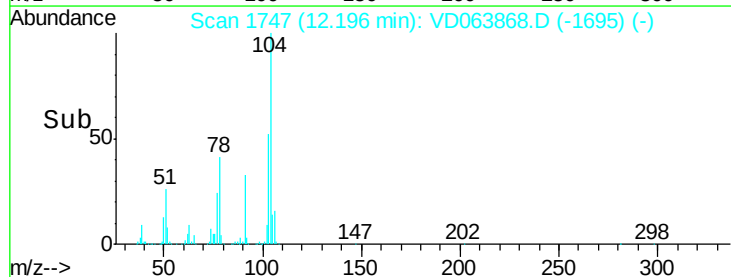
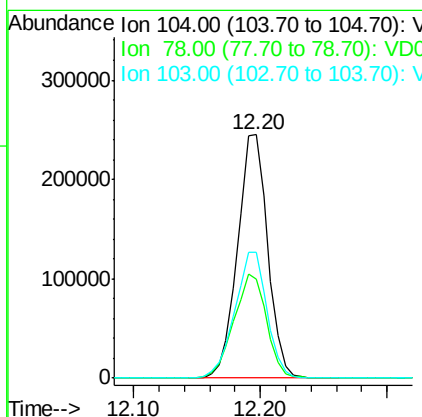
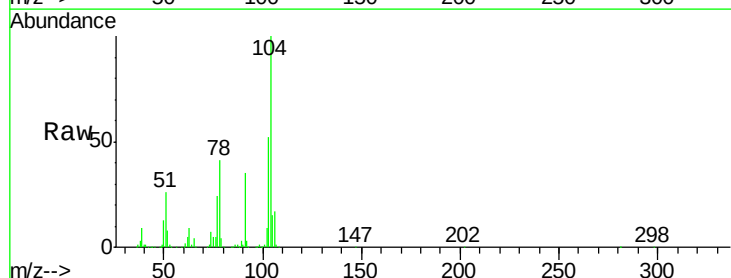
Manual Integrations
APPROVED

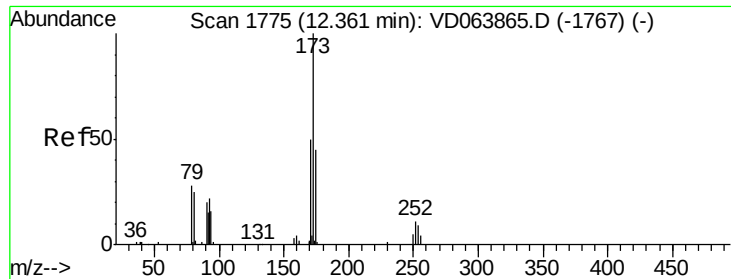
MMDadoda
10/3/2019 12:55:37 PM



#70
Styrene
Concen: 52.017 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	403884		
78	46.3	37.0	55.4	
103	55.4	44.2	66.4	





#71

Bromoform

Concen: 55.265 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion:173 Resp: 75214

Ion Ratio Lower Upper

173 100

175 51.5 24.6 74.0

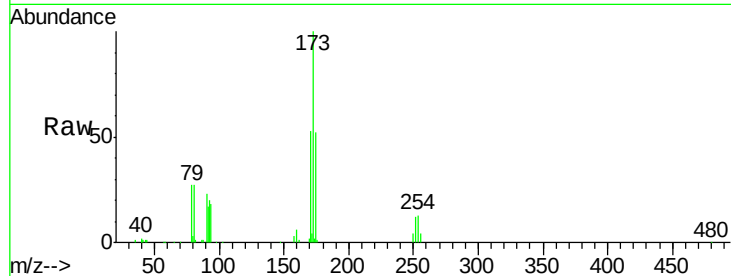
254 0.0 0.0 0.0

Manual Integrations

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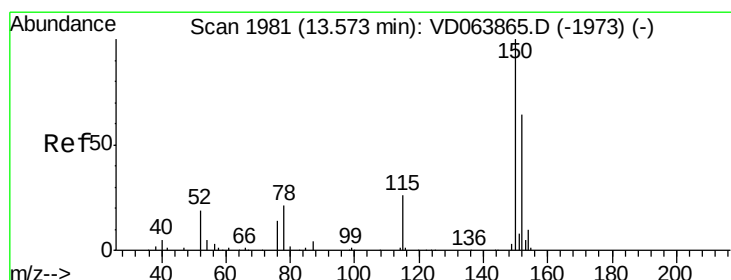
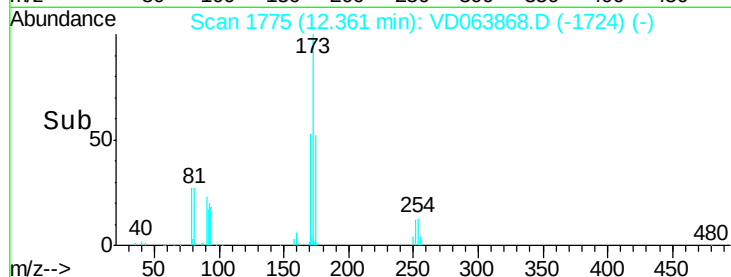
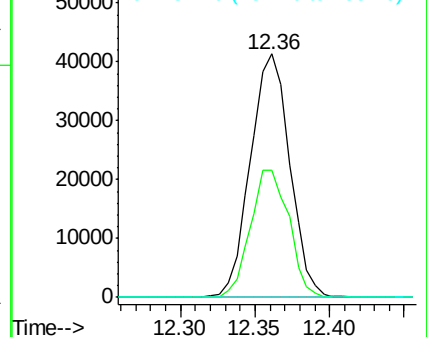
10/3/2019 12:55:37 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

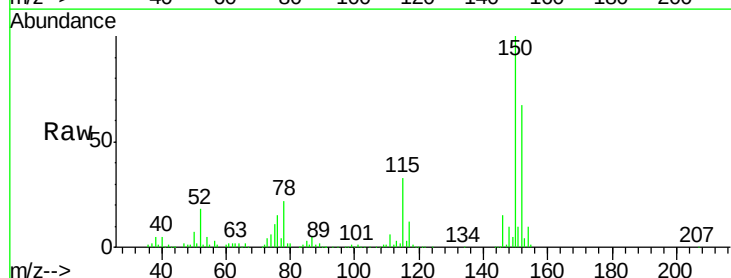
Tgt Ion:152 Resp: 183659

Ion Ratio Lower Upper

152 100

115 52.6 25.9 77.7

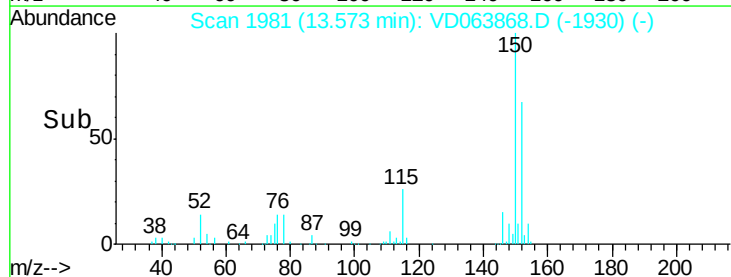
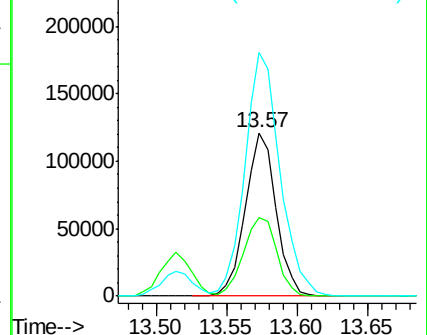
150 170.6 0.0 344.2

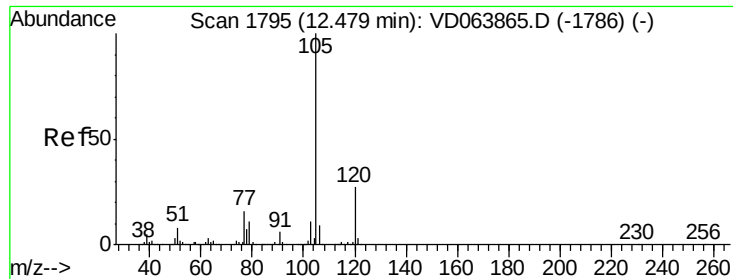


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.496 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 105 Resp: 611099

Ion Ratio Lower Upper

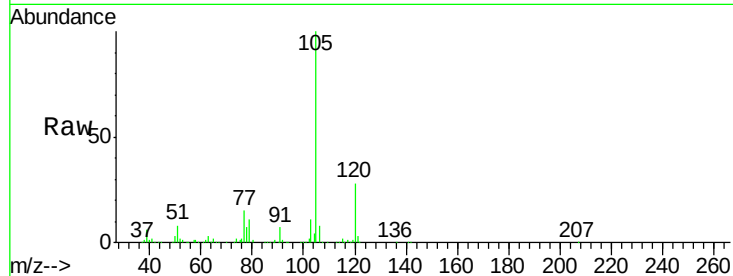
105 100

120 27.5 13.3 39.8

Manual Integrations
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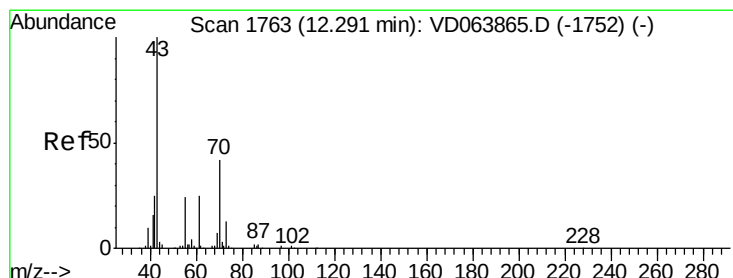
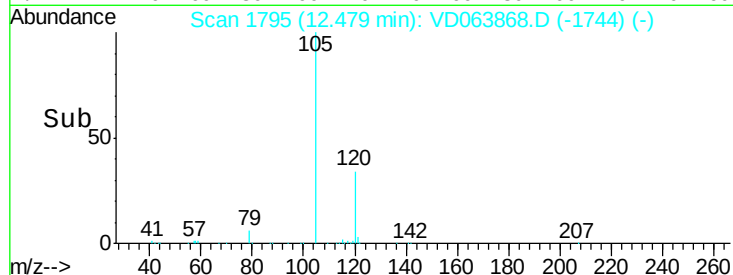
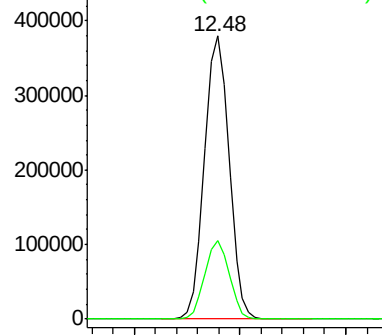
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10/3/2019 12:55:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.300 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion: 43 Resp: 139025

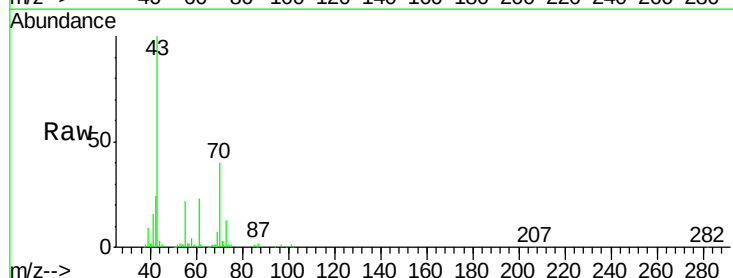
Ion Ratio Lower Upper

43 100

70 43.1 35.8 53.6

55 23.9 19.4 29.0

61 24.5 20.4 30.6

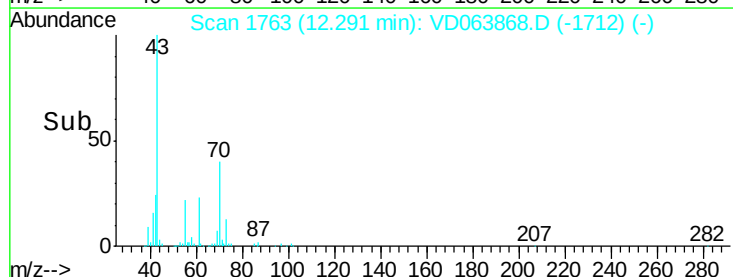
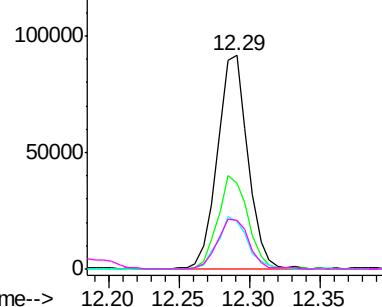


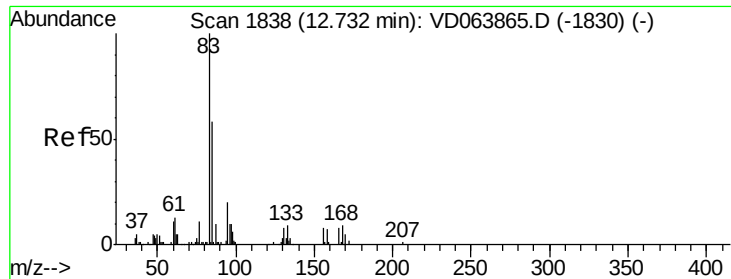
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.382 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

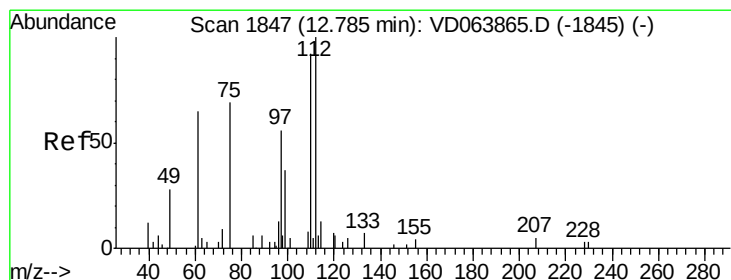
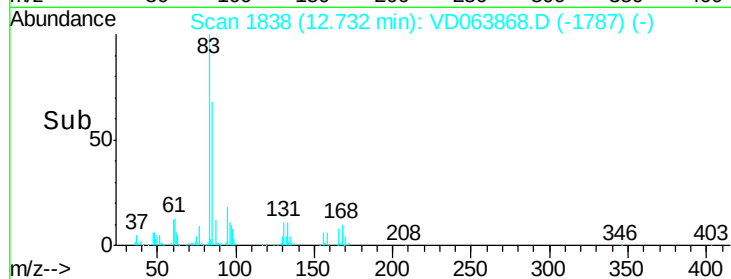
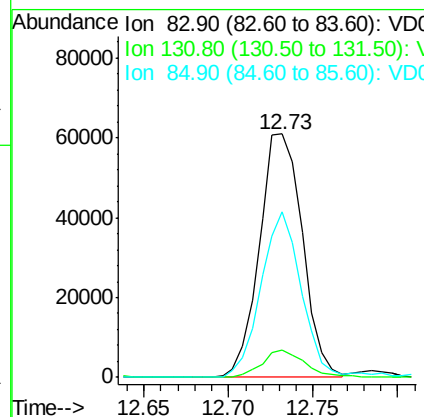
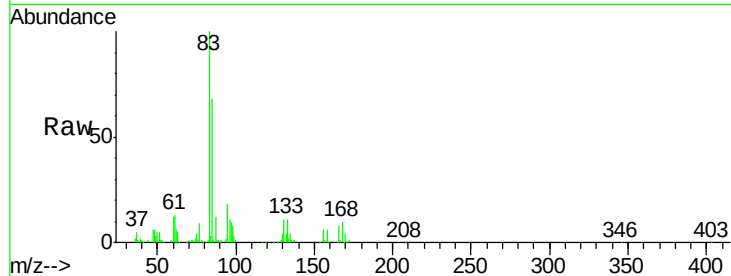
ClientSampleId :

ICVVD100219

Tot Ion:	83	Resp:	108243
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	63.2	32.3	96.8

Manual Integrations
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10/3/2019 12:55:37 PM



#76

1,2,3-Trichloropropane

Concen: 53.257 ug/l m

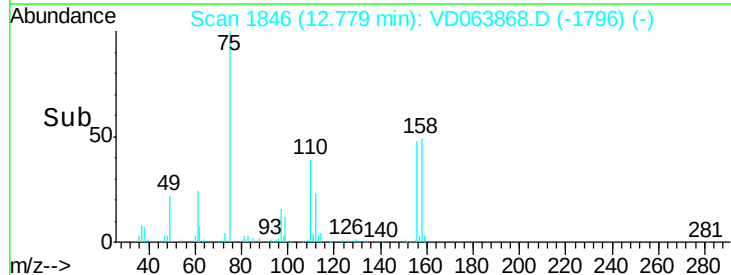
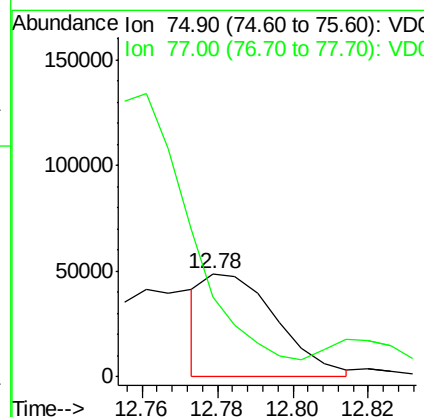
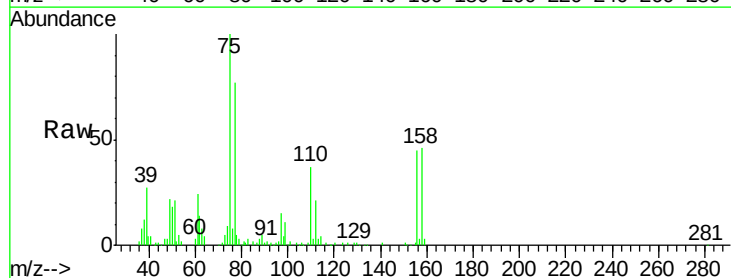
RT: 12.78 min Scan# 1846

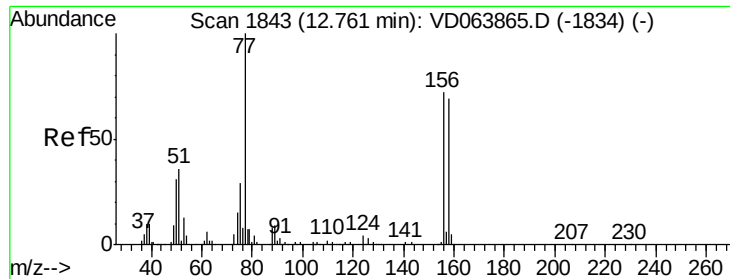
Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion:	75	Resp:	65511
Ion Ratio	Lower	Upper	
75	100		
77	384.9	0.0	0.0#





#77

Bromobenzene

Concen: 50.546 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

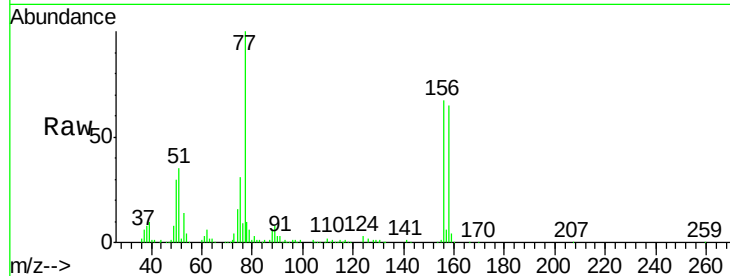
ClientSampleId :

ICVVD100219

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.2	80.3	241.0
158	98.7	47.4	142.2

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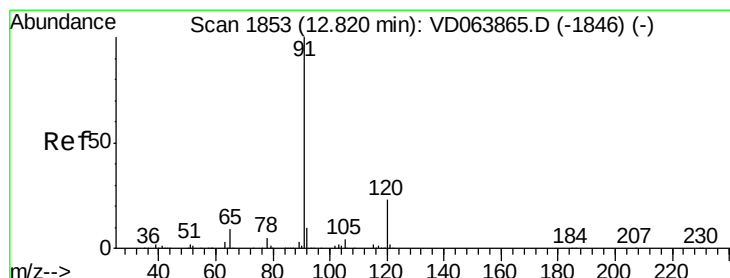
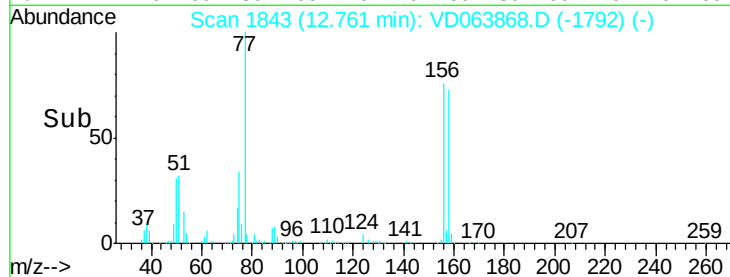
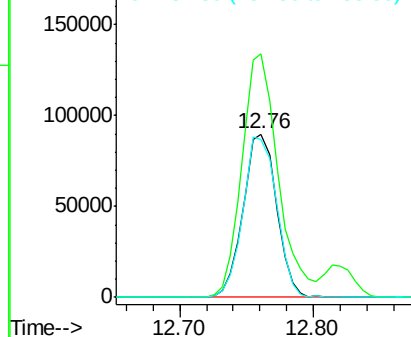
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.812 ug/l

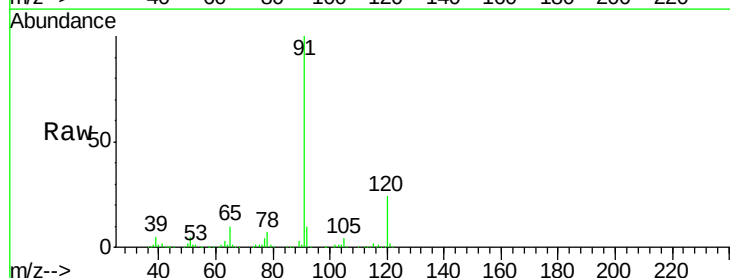
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063868.D

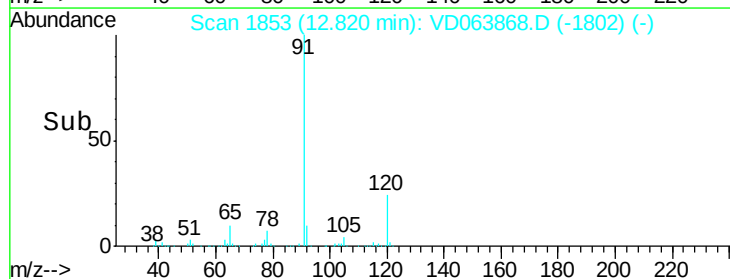
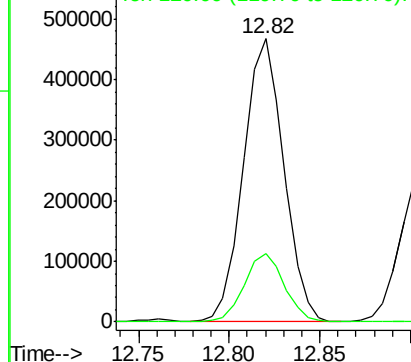
Acq: 02 Oct 2019 19:35

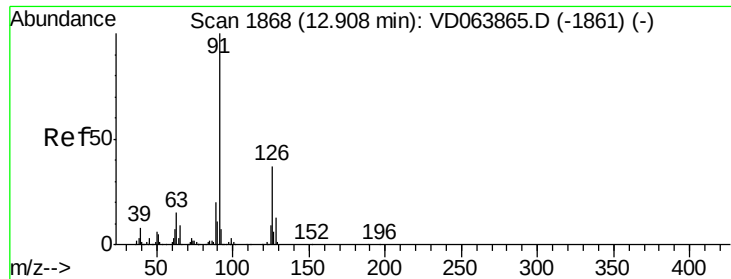
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.507 ug/l

RT: 12.90 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion: 91 Resp: 395606

Ion Ratio Lower Upper

91 100

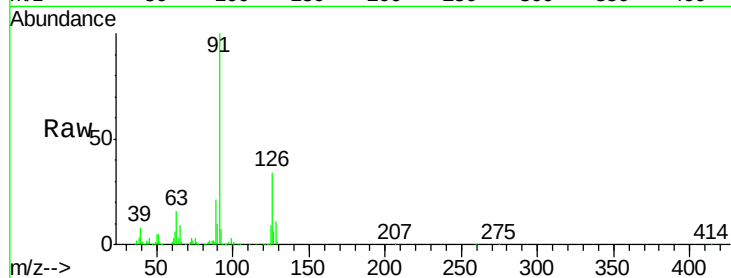
126 37.1 18.4 55.2

Manual Integrations

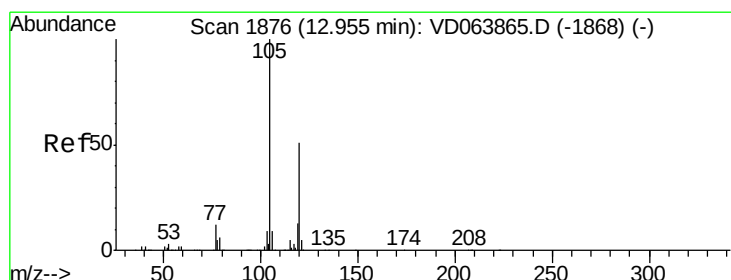
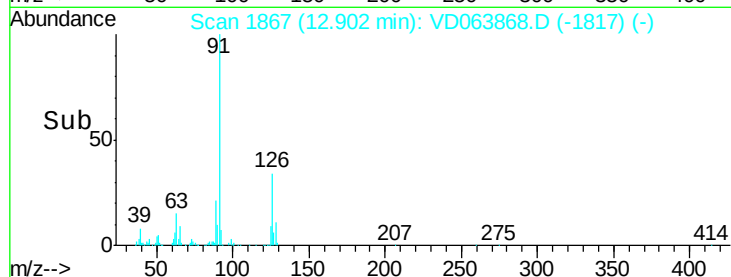
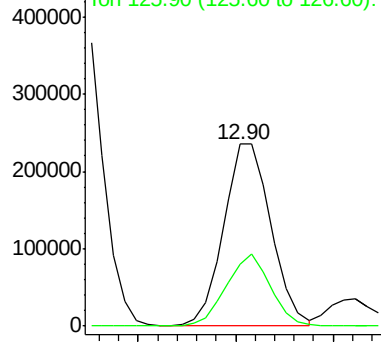
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Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.691 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063868.D

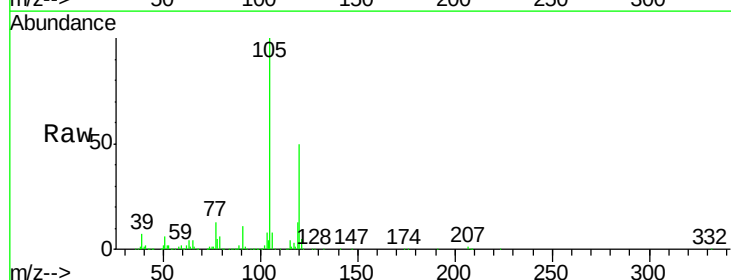
Acq: 02 Oct 2019 19:35

Tgt Ion: 105 Resp: 522137

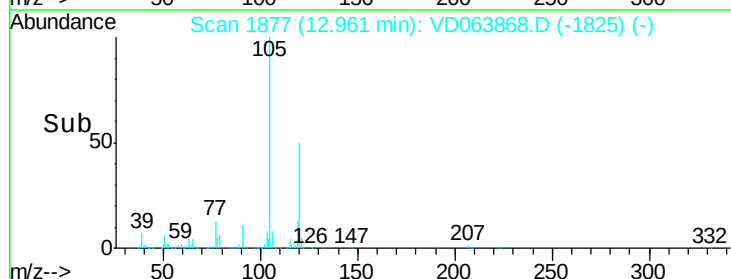
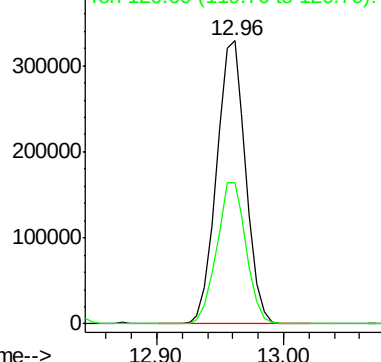
Ion Ratio Lower Upper

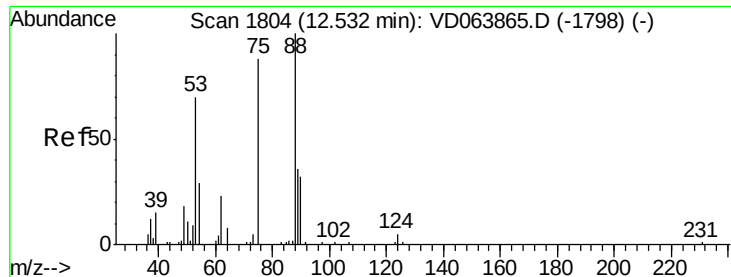
105 100

120 50.7 25.9 77.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 51.346 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

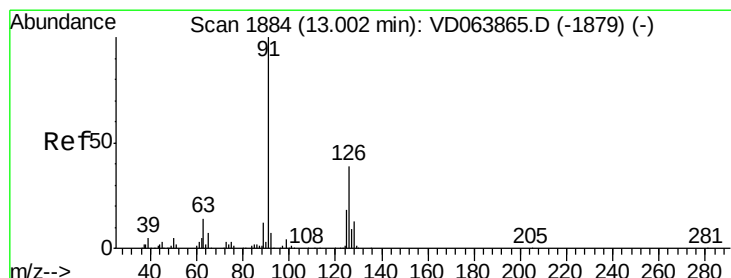
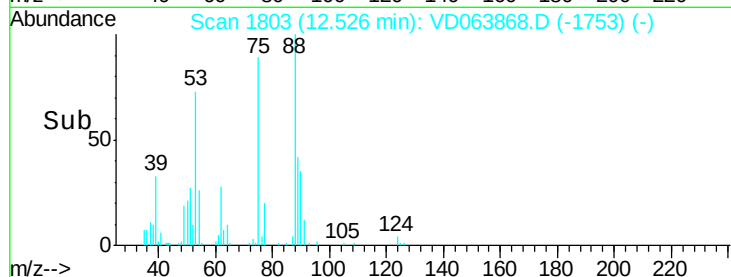
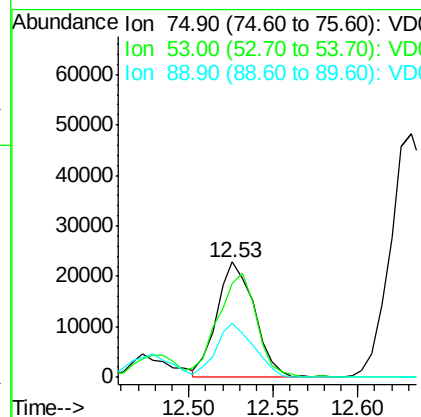
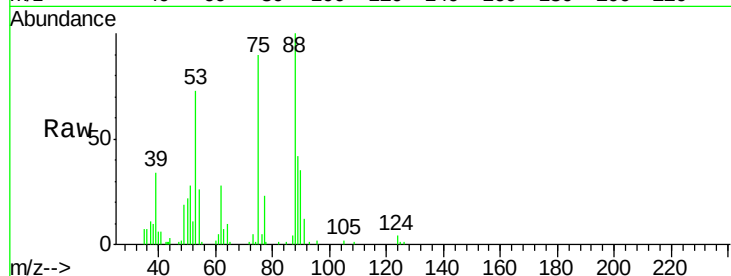
ClientSampleId :

ICVVD100219

Tot Ion:	75	Resp:	35692
Ion	Ratio	Lower	Upper
75	100		
53	92.7	75.0	112.6
89	47.2	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.890 ug/l

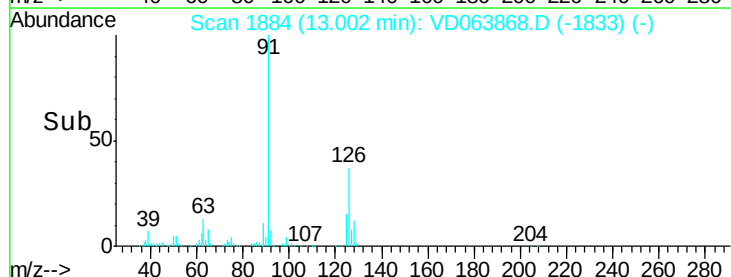
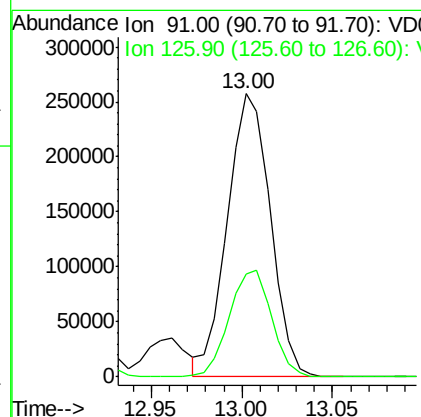
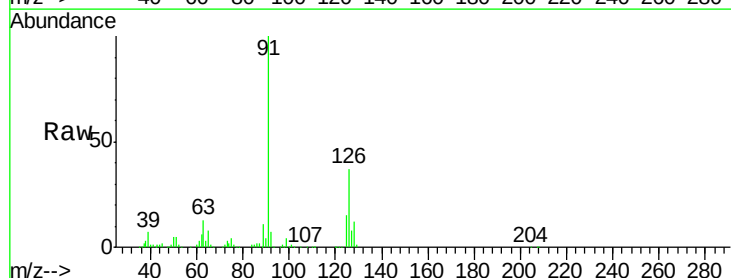
RT: 13.00 min Scan# 1884

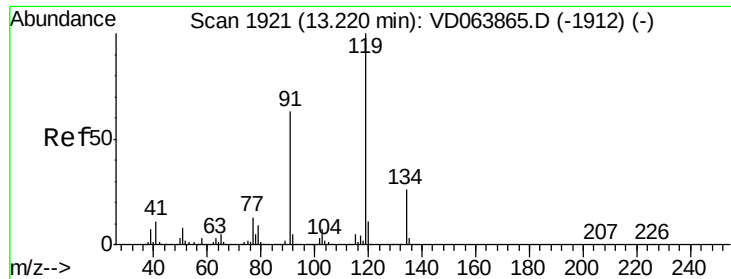
Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Tgt Ion:	91	Resp:	422915
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.6	55.8





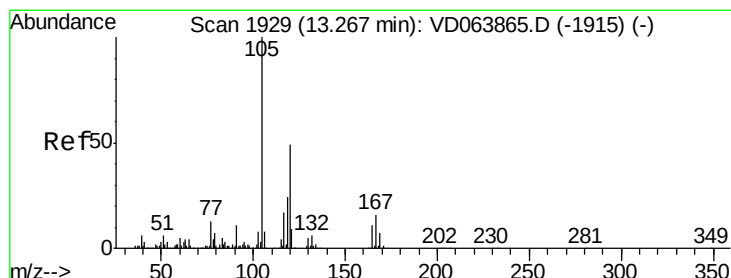
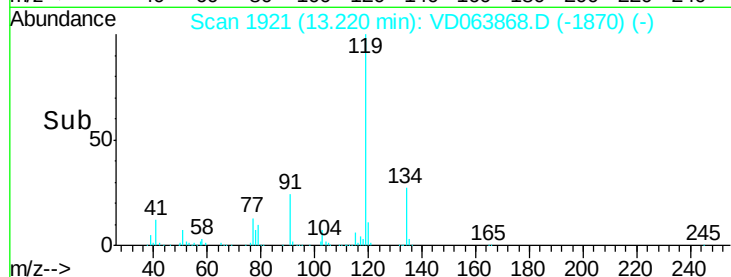
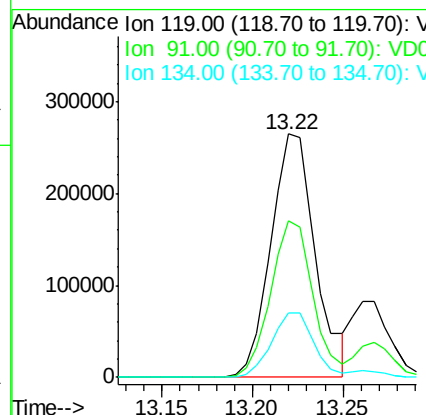
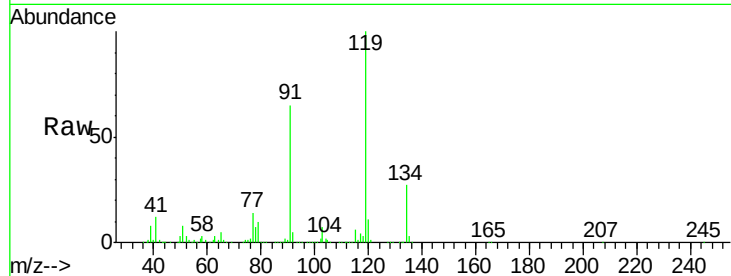
#83
 tert-Butylbenzene
 Concen: 49.358 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.0	90.0
134	25.9	13.0	38.9

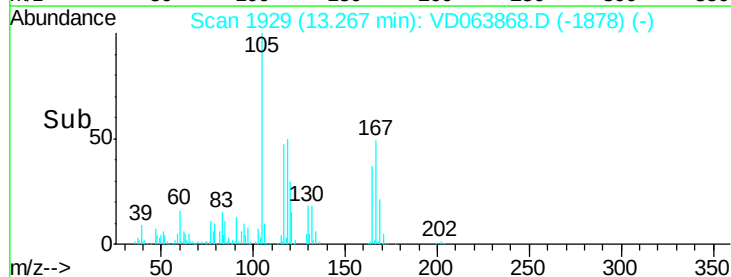
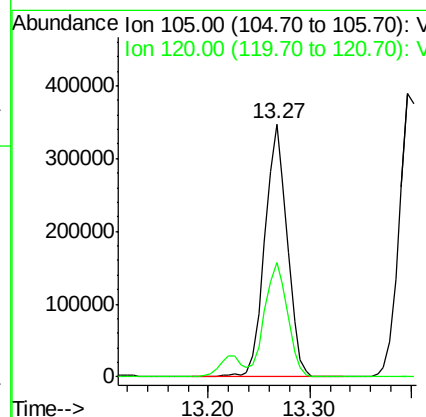
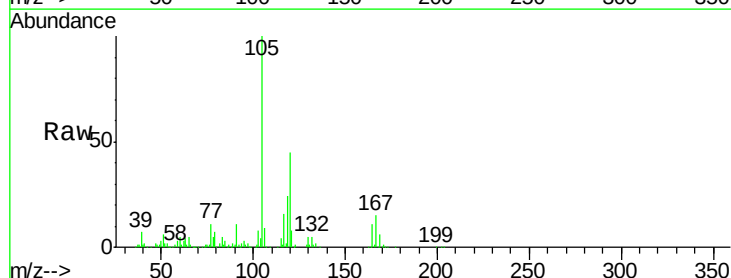
Manual Integrations
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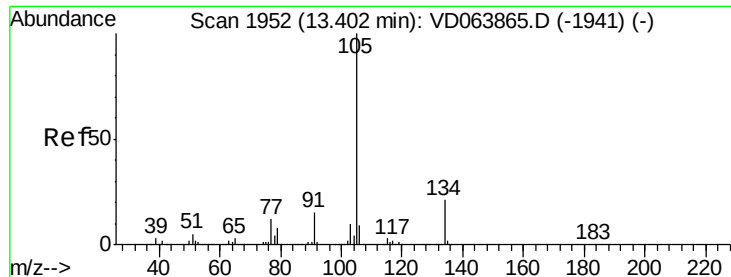
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.919 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 50.022 ug/l

RT: 13.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

Instrument :

MSVOA_D

ClientSampleId :

ICVVD100219

Tot Ion:105 Resp: 619270

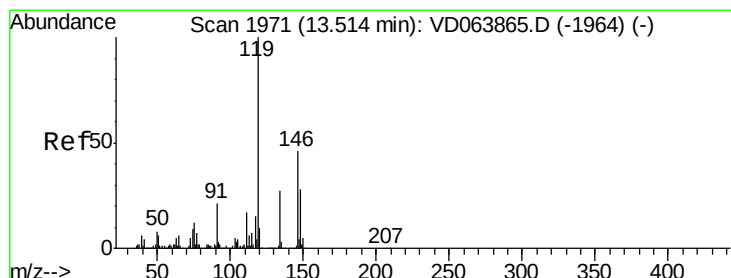
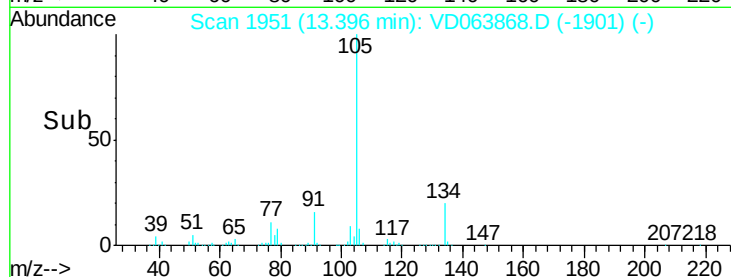
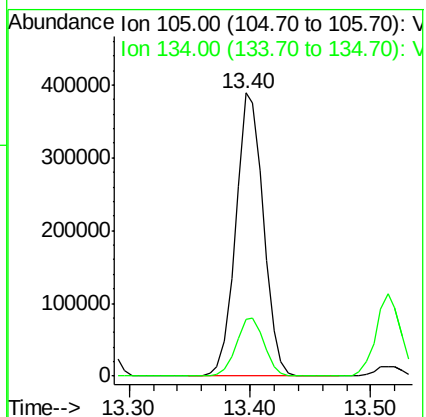
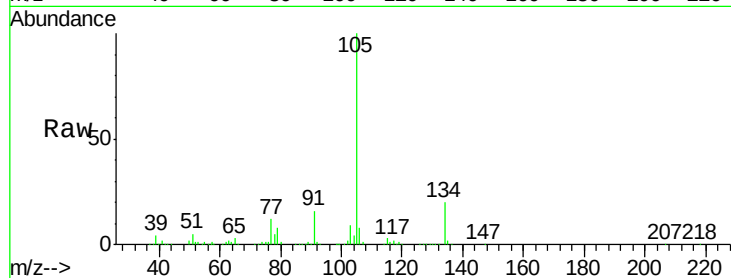
Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.757 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063868.D

Acq: 02 Oct 2019 19:35

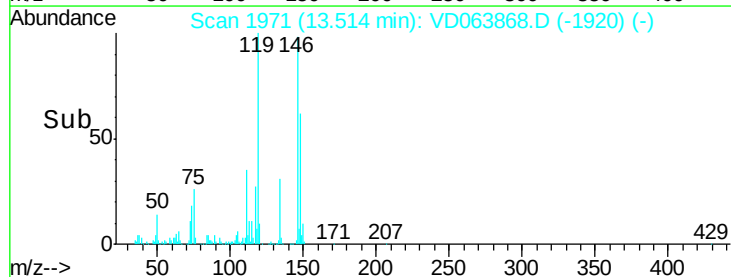
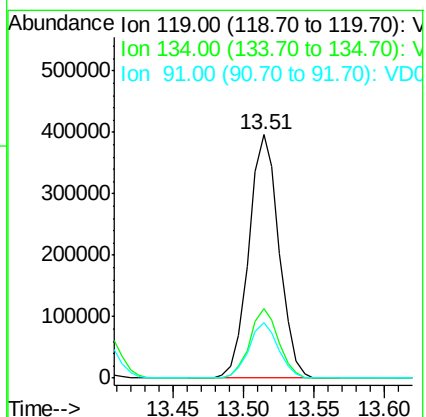
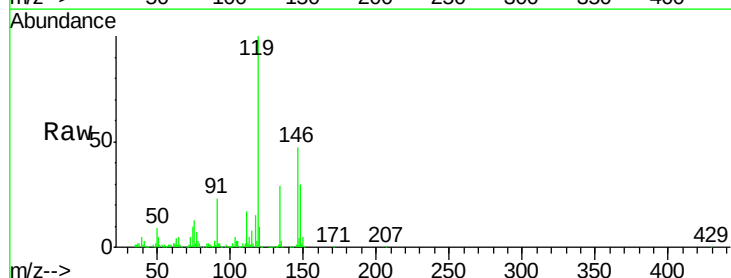
Tgt Ion:119 Resp: 594599

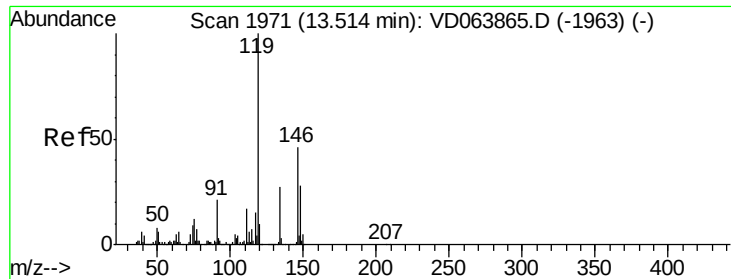
Ion Ratio Lower Upper

119 100

134 27.4 13.9 41.6

91 22.4 11.2 33.5





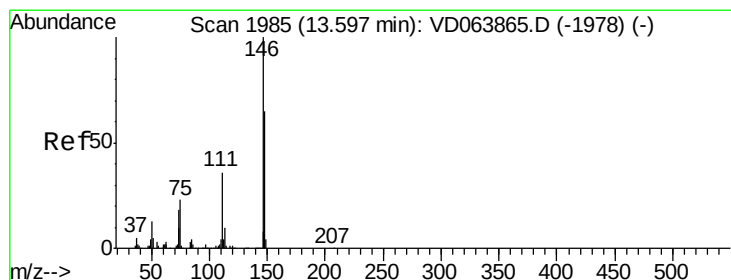
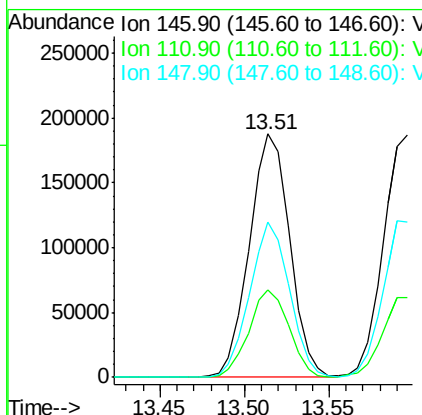
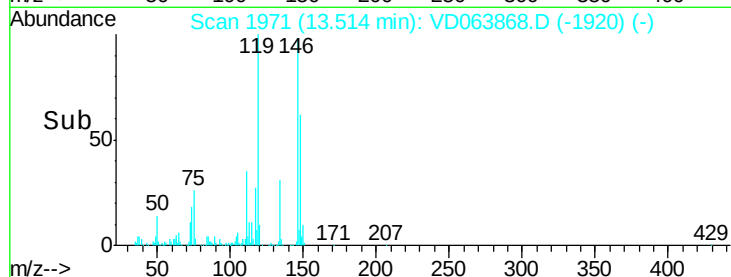
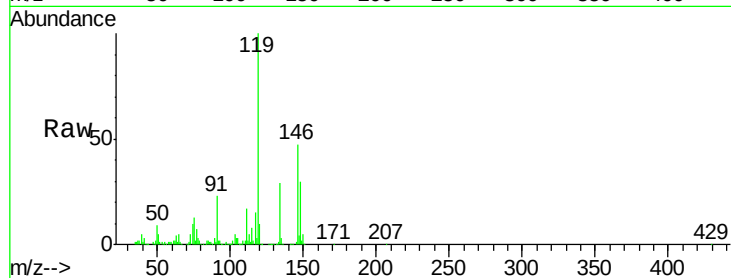
#87
 1,3-Dichlorobenzene
 Concen: 51.290 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.3	54.9
148	62.7	31.8	95.4

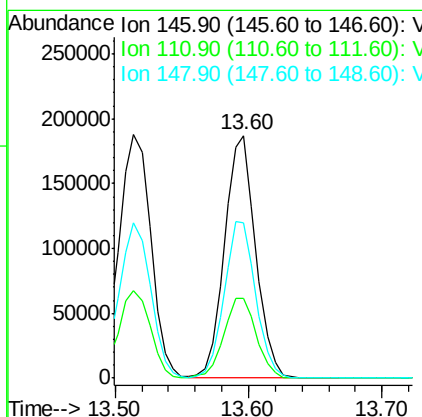
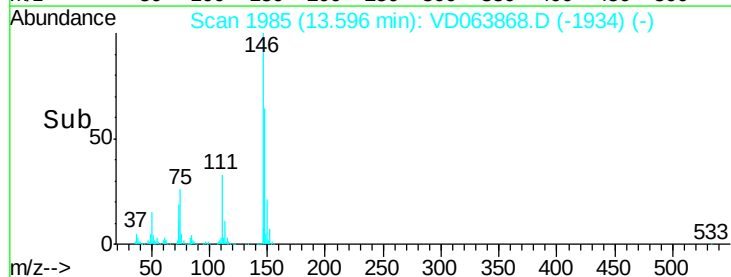
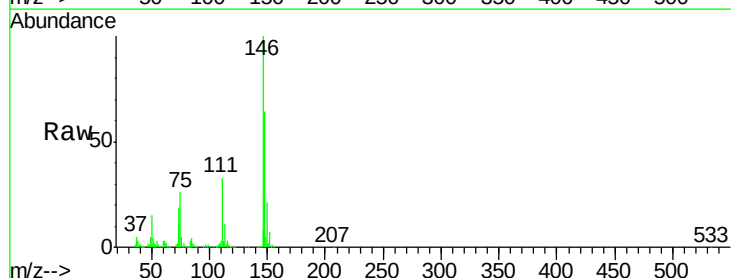
Manual Integrations
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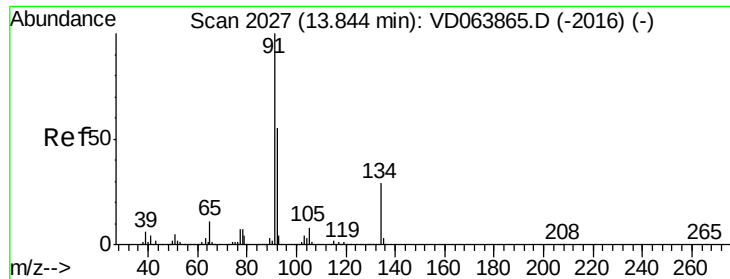
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#88
 1,4-Dichlorobenzene
 Concen: 50.774 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.6	56.0
148	65.2	32.6	98.0





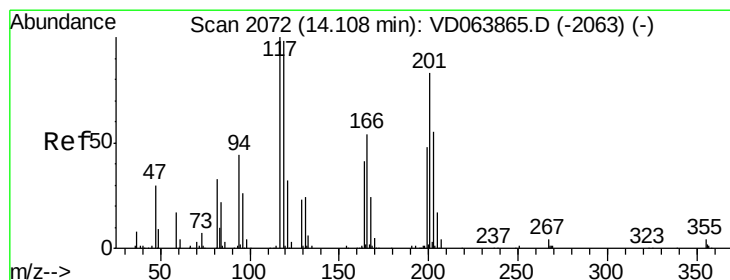
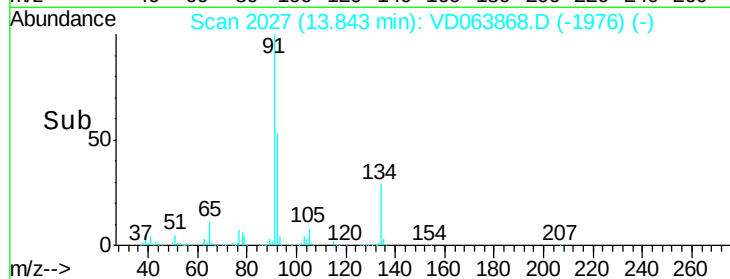
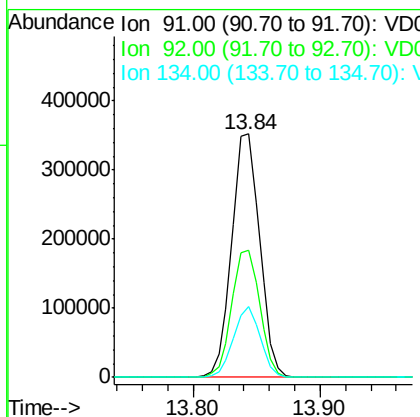
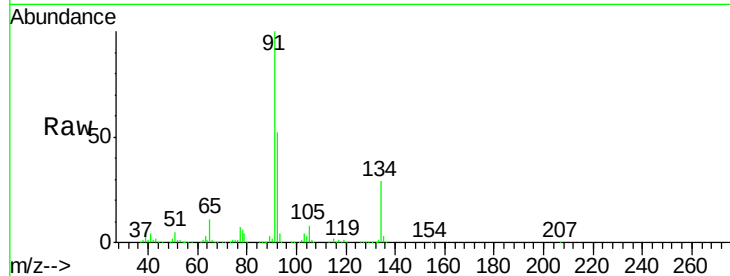
#89
n-Butylbenzene
Concen: 49.276 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
91	100	537325		
92	52.6		26.8	80.3
134	28.0		14.4	43.0

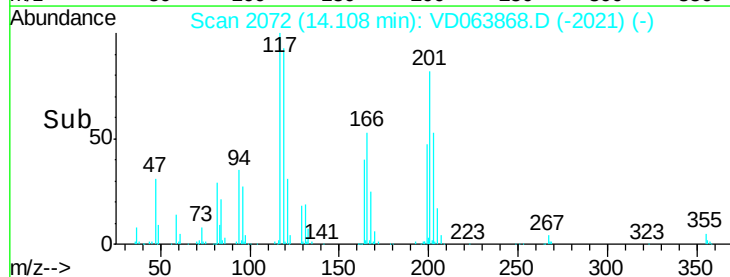
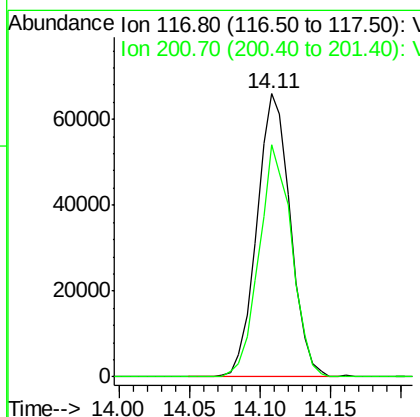
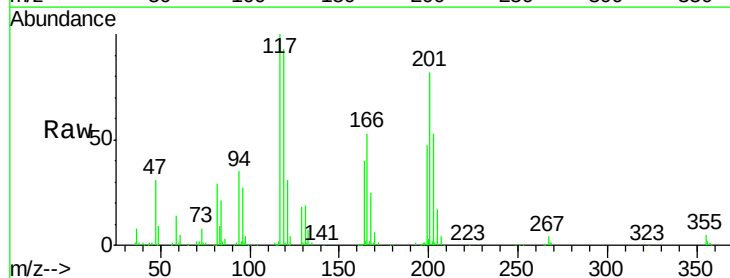
Manual Integrations
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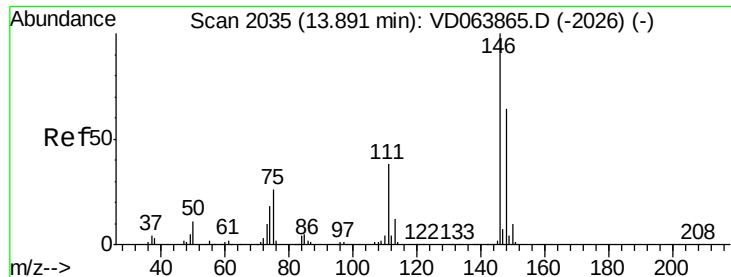
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#90
Hexachloroethane
Concen: 52.386 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	110375		
201	80.1		40.6	121.7





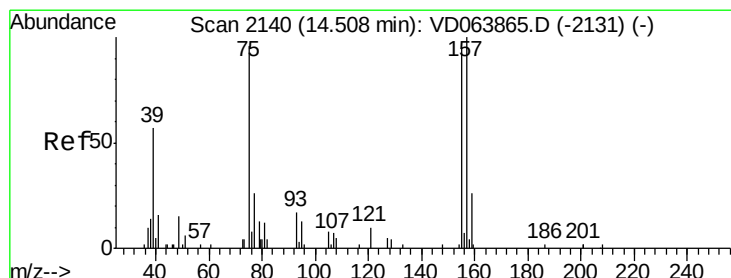
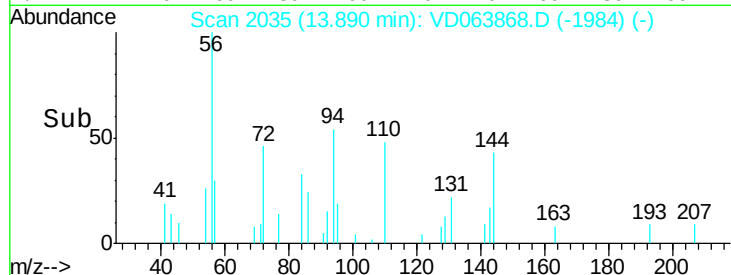
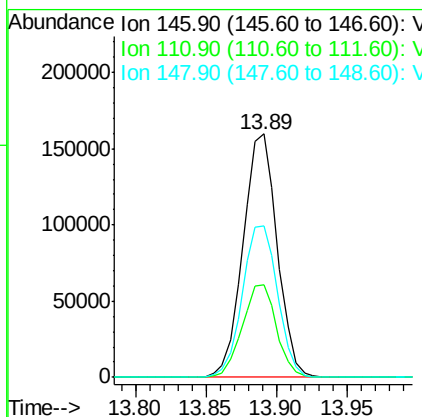
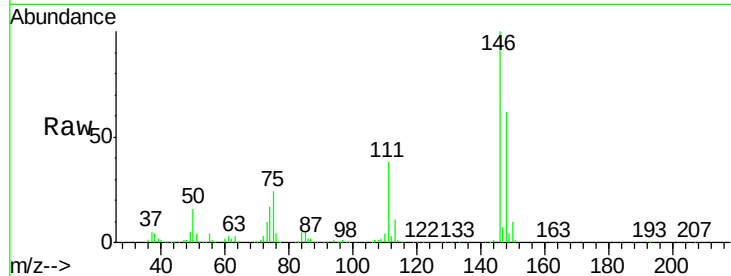
#91
 1,2-Dichlorobenzene
 Concen: 51.723 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
146	100	270918		
111	38.1	18.6	55.6	
148	64.3	31.6	95.0	

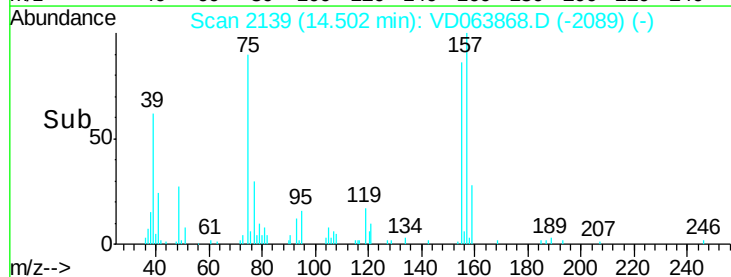
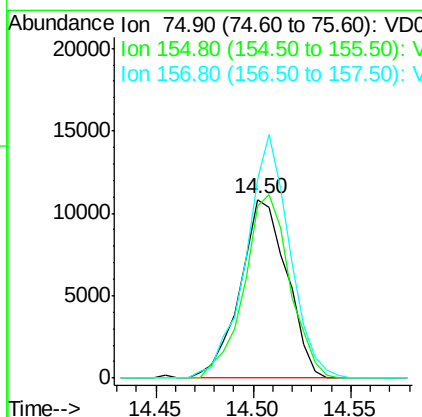
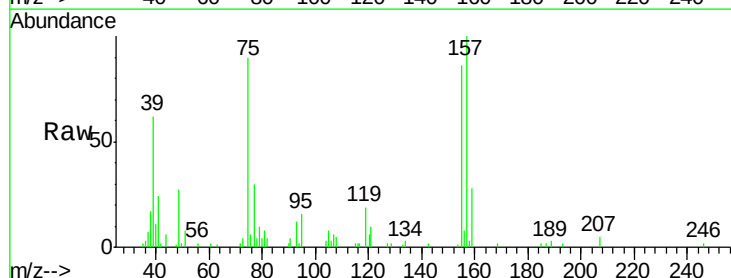
Manual Integrations
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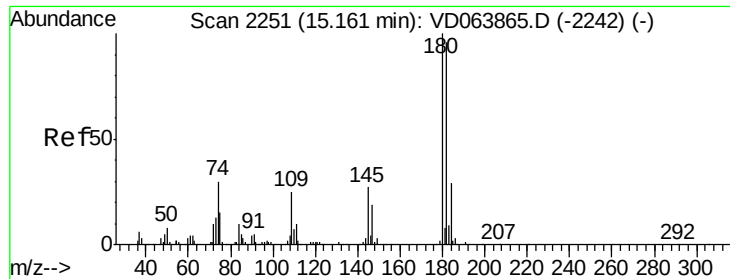
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 10/3/2019 12:55:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.230 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18033		
155	99.5	43.9	131.6	
157	127.0	56.0	167.9	





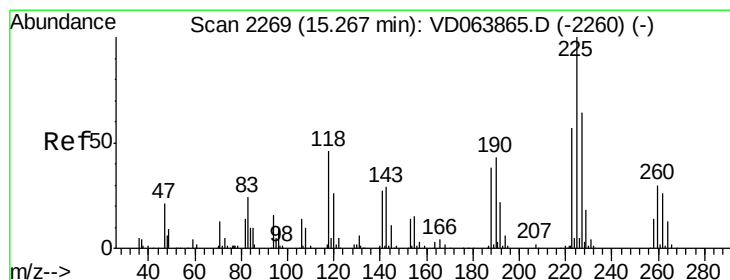
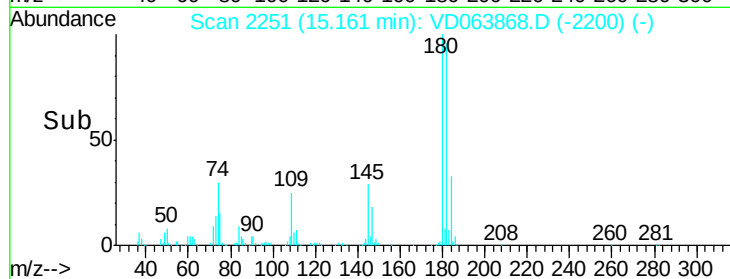
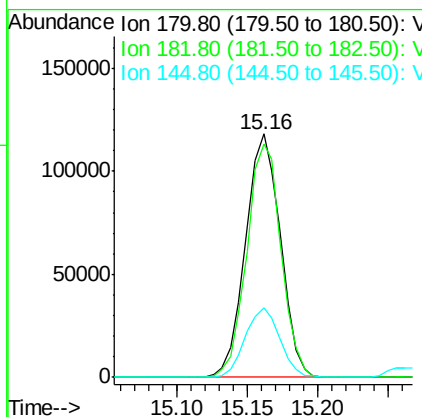
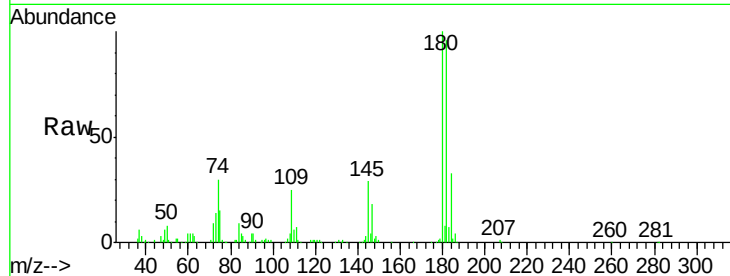
#93
 1,2,4-Trichlorobenzene
 Concen: 50.843 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205486		
182	94.3		47.4	142.3
145	28.3		13.9	41.7

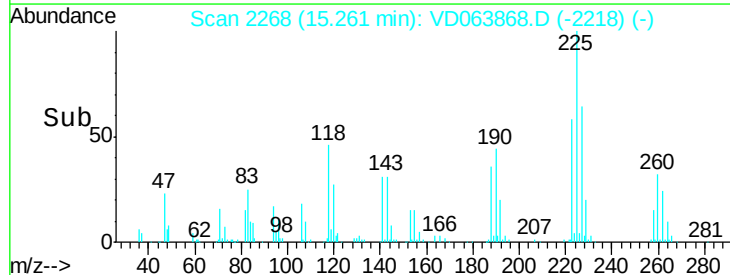
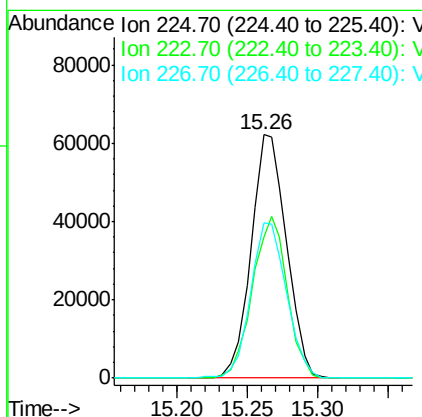
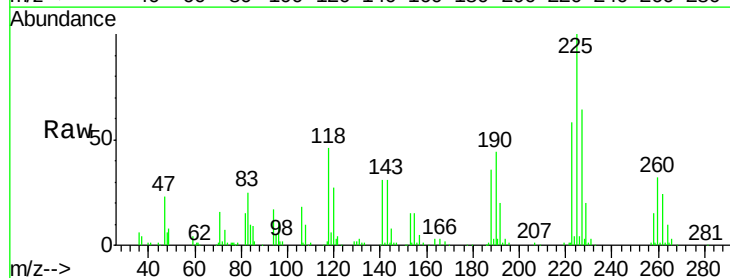
Manual Integrations
 APPROVED

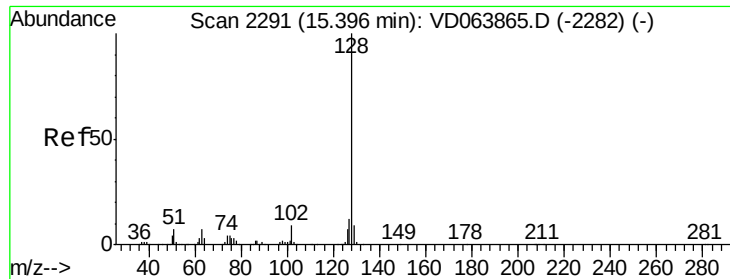
MMDadoda
 10/3/2019 12:55:37 PM



#94
 Hexachlorobutadiene
 Concen: 49.015 ug/l
 RT: 15.26 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: VD063868.D
 Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109316		
223	65.0		29.5	88.6
227	64.7		30.8	92.4





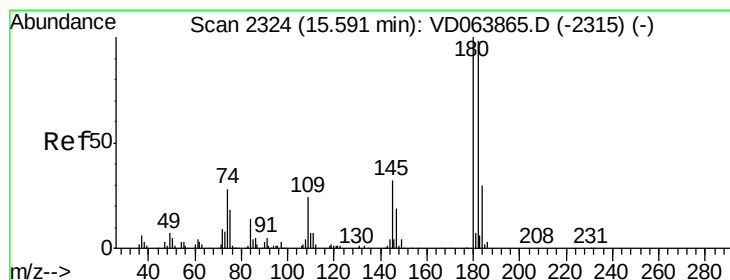
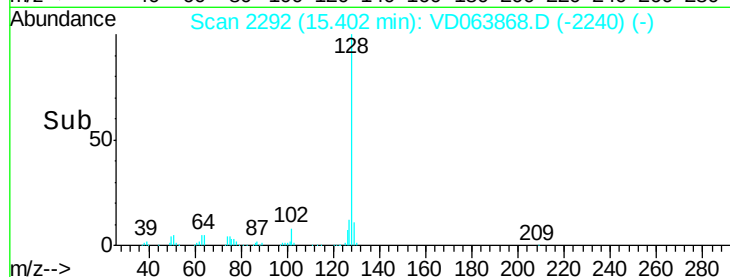
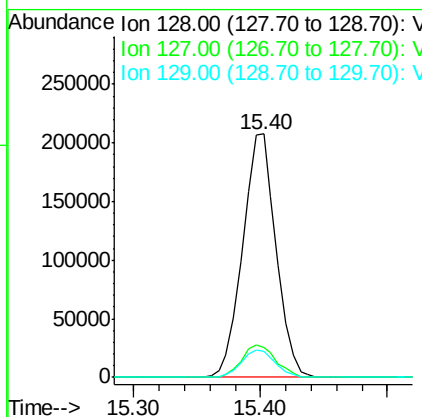
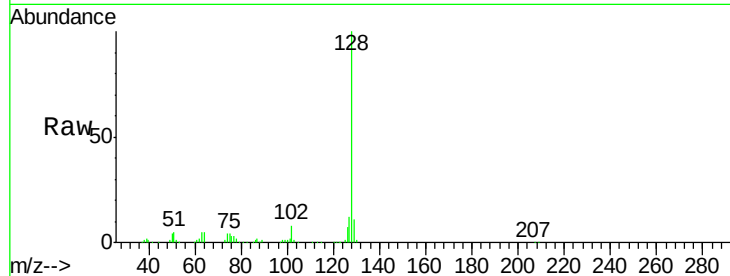
#95
Naphthalene
Concen: 55.724 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Instrument :
MSVOA_D
ClientSampleId :
ICVVD100219

Tot Ion	Ratio	Resp	Lower	Upper
128	100	378529		
127	13.7		10.6	16.0
129	11.4		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.528 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063868.D
Acq: 02 Oct 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	179680		
182	96.8		47.0	141.0
145	29.9		15.3	45.9

