

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063867.D
 Acq On : 02 Oct 2019 18:40
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:32 PM

Quant Time: Oct 03 03:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	223358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	362353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	327374	154.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.02%	
35) Dibromofluoromethane	7.91	113	338060	152.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.22%	
50) Toluene-d8	10.34	98	1367139	162.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.90%	
62) 4-Bromofluorobenzene	12.63	95	473135	156.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	292106	187.366	ug/l	90
3) Chloromethane	2.21	50	600798	127.463	ug/l	99
4) Vinyl Chloride	2.34	62	691288	143.349	ug/l	99
5) Bromomethane	2.74	94	480504	168.534	ug/l	95
6) Chloroethane	2.91	64	461890	139.473	ug/l	91
7) Trichlorofluoromethane	3.26	101	906532	140.660	ug/l	99
8) Diethyl Ether	3.70	74	159496	149.560	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	261090	138.601	ug/l	98
10) Methyl Iodide	4.29	142	429938	187.456	ug/l	99
11) Tert butyl alcohol	5.26	59	108793	654.148	ug/l	97
12) 1,1-Dichloroethene	4.05	96	273127	143.116	ug/l	95
13) Acrolein	3.93	56	133965	670.342	ug/l	94
14) Allyl chloride	4.71	41	418262	137.191	ug/l	97
15) Acrylonitrile	5.43	53	361527	777.496	ug/l	98
16) Acetone	4.17	43	442024	879.778	ug/l	94
17) Carbon Disulfide	4.39	76	1018706	156.585	ug/l	96
18) Methyl Acetate	4.72	43	155680	133.260	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	725728	151.057	ug/l	95
20) Methylene Chloride	4.96	84	365686	127.623	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	345989	154.400	ug/l	95
22) Diisopropyl ether	6.37	45	861421	137.730	ug/l	93
23) Vinyl Acetate	6.31	43	2685530	721.857	ug/l	97
24) 1,1-Dichloroethane	6.26	63	556950	145.856	ug/l	95
25) 2-Butanone	7.23	43	507325	795.287	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	493646	139.767	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	398595	159.335	ug/l	95
28) Bromochloromethane	7.55	49	229989	156.616	ug/l	92
29) Tetrahydrofuran	7.57	42	264732	710.237	ug/l	97
30) Chloroform	7.71	83	613324	148.642	ug/l	95
31) Cyclohexane	7.98	56	454769	121.332	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	546244	146.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	460602	144.589	ug/l	97
37) Ethyl Acetate	7.30	43	182427	134.162	ug/l	99
38) Carbon Tetrachloride	8.10	117	492468	149.561	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	547662	138.452	ug/l	92
40) Benzene	8.35	78	1367288	154.803	ug/l	98
41) Methacrylonitrile	7.54	41	114988	149.547	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	395136	152.715	ug/l	99
43) Isopropyl Acetate	8.46	43	384560	143.337	ug/l	97
44) Trichloroethene	9.11	130	400893	156.430	ug/l	87
45) 1,2-Dichloropropane	9.39	63	327730	149.982	ug/l	97
46) Dibromomethane	9.48	93	195561	158.283	ug/l	98
47) Bromodichloromethane	9.67	83	507781	160.010	ug/l	98
48) Methyl methacrylate	9.46	41	183127	149.745	ug/l	96
49) 1,4-Dioxane	9.47	88	50818	2903.840	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1007925	740.746	ug/l	99
52) Toluene	10.40	92	943306	157.158	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	502862	159.752	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	575772	161.523	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	276747	159.103	ug/l	97
56) Ethyl methacrylate	10.66	69	352033	158.724	ug/l	96
57) 1,3-Dichloropropane	10.95	76	466172	156.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	691772	698.147	ug/l	97
59) 2-Hexanone	10.98	43	777705	788.126	ug/l	98
60) Dibromochloromethane	11.14	129	387544	168.639	ug/l	96
61) 1,2-Dibromoethane	11.25	107	277194	158.830	ug/l	100
64) Tetrachloroethene	10.87	164	378493	156.531	ug/l	97
65) Chlorobenzene	11.67	112	1115973	153.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	424941	159.748	ug/l	97
67) Ethyl Benzene	11.74	91	1993180	152.971	ug/l	96
68) m/p-Xylenes	11.86	106	1565056	311.229	ug/l	99
69) o-Xylene	12.18	106	745055	157.412	ug/l	97
70) Styrene	12.20	104	1292769	160.800	ug/l	99
71) Bromoform	12.36	173	240884	163.743	ug/l #	100
73) Isopropylbenzene	12.48	105	1932715	149.631	ug/l	98
74) N-amyl acetate	12.29	43	397632	140.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	315361	145.889	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	188086m	130.606	ug/l	
77) Bromobenzene	12.76	156	508686	162.986	ug/l	93
78) n-propylbenzene	12.82	91	2241844	147.400	ug/l	99
79) 2-Chlorotoluene	12.91	91	1229021	149.984	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1627149	151.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	104907	145.144	ug/l	99
82) 4-Chlorotoluene	13.01	91	1290428	147.093	ug/l	98
83) tert-Butylbenzene	13.22	119	1444810	153.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1691058	154.741	ug/l	100
85) sec-Butylbenzene	13.40	105	1902393	145.398	ug/l	99
86) p-Isopropyltoluene	13.51	119	1893014	154.449	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	996750	162.968	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	949304	155.510	ug/l	98
89) n-Butylbenzene	13.84	91	1666334	143.320	ug/l	99
90) Hexachloroethane	14.11	117	351218	154.981	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	836827	158.832	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	51466	137.975	ug/l	82

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VSTDICC150

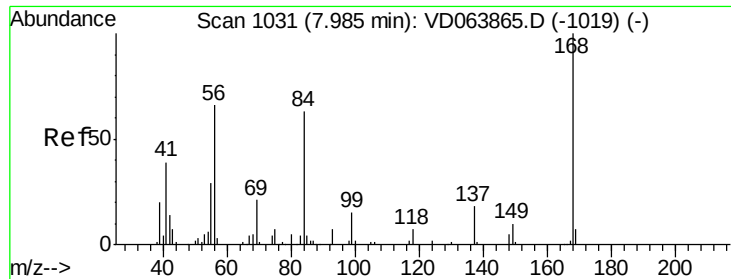
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	668159	167.462	ug/l	99
94) Hexachlorobutadiene	15.27	225	353347	156.495	ug/l	96
95) Naphthalene	15.40	128	1128814	157.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	569711	160.948	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 223358

Ion Ratio Lower Upper

168 100

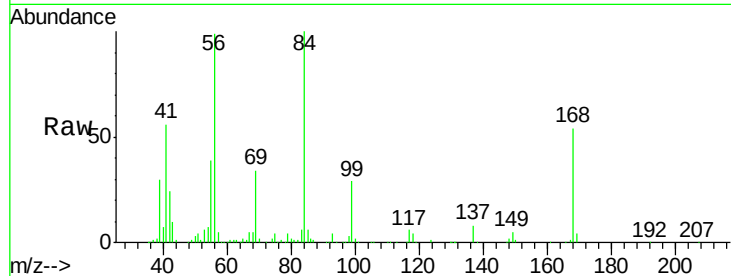
99 52.8 43.0 64.4

Manual Integrations

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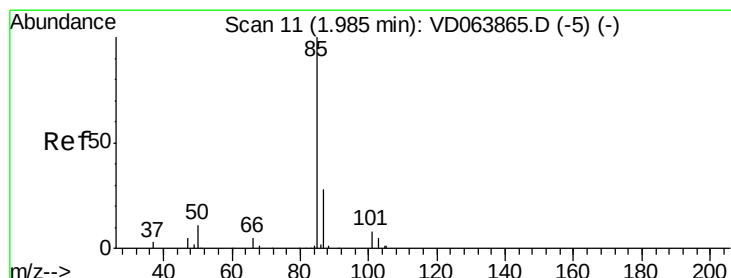
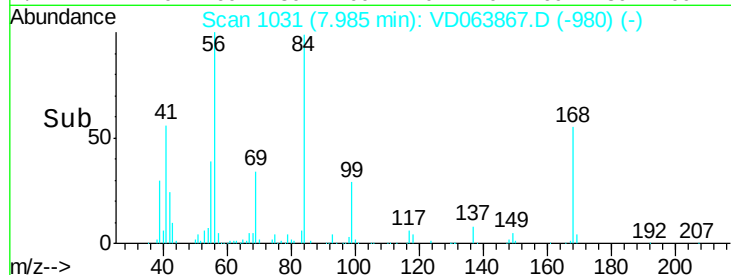
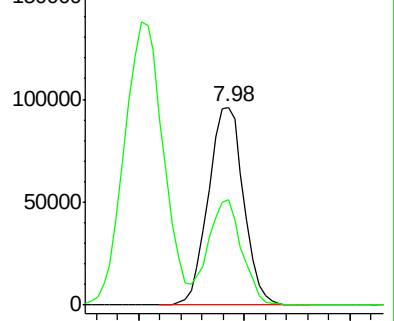
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 187.366 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063867.D

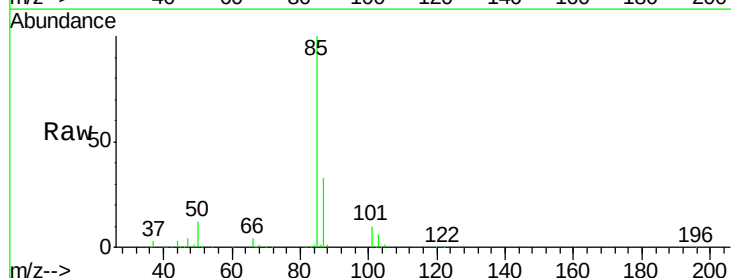
Acq: 02 Oct 2019 18:40

Tgt Ion: 85 Resp: 292106

Ion Ratio Lower Upper

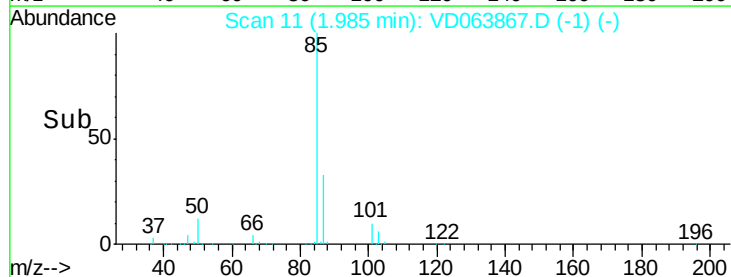
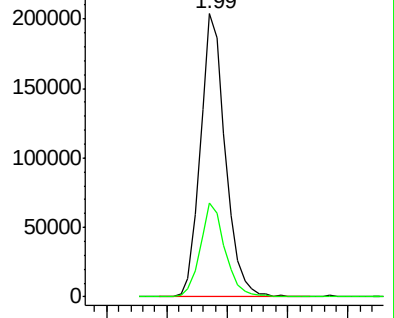
85 100

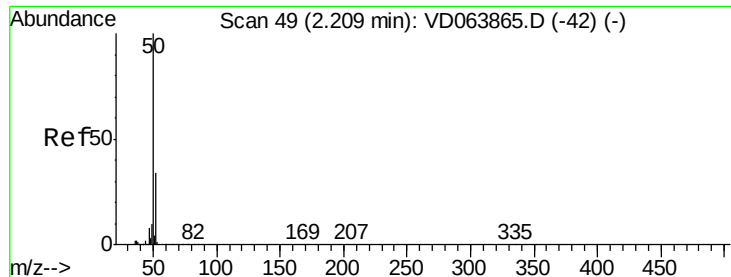
87 33.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





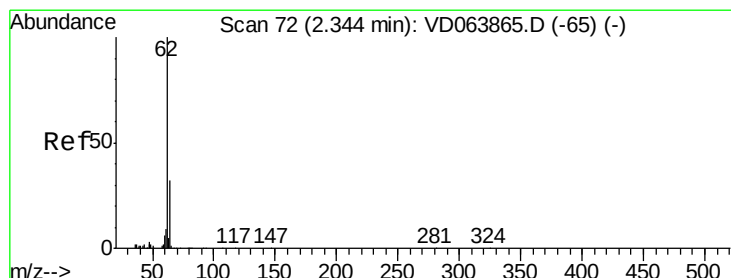
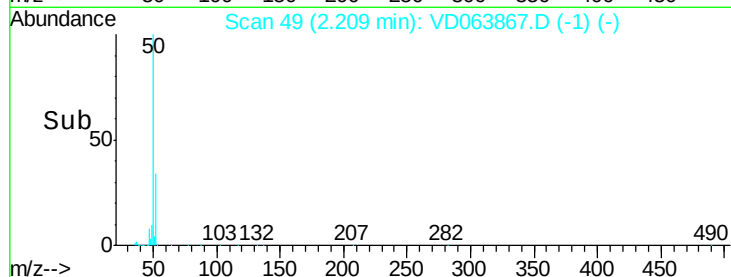
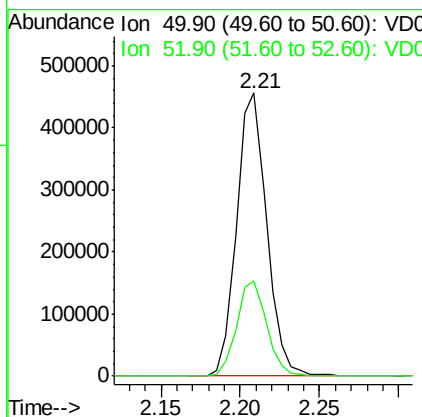
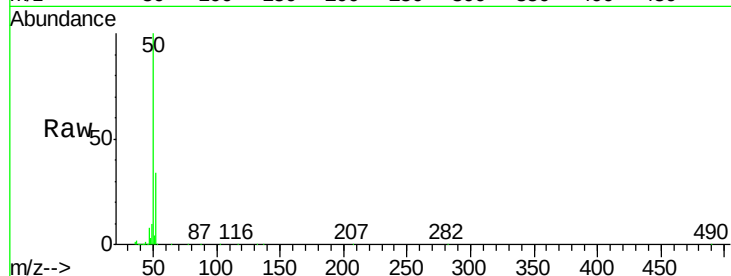
#3
Chloromethane
Concen: 127.463 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
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VSTDICC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.5	41.3

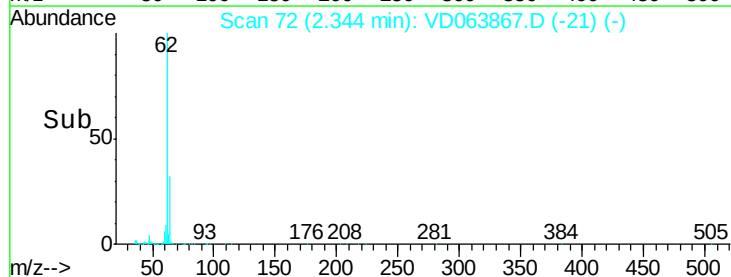
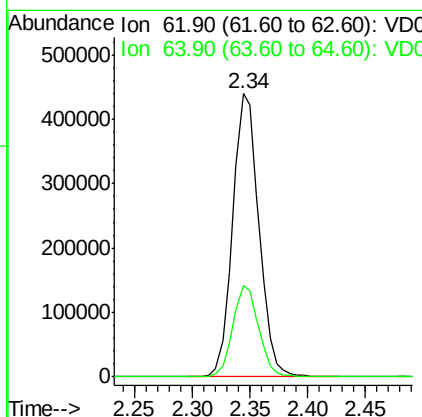
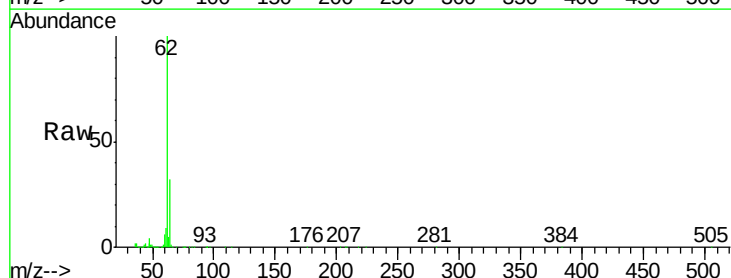
Manual Integrations
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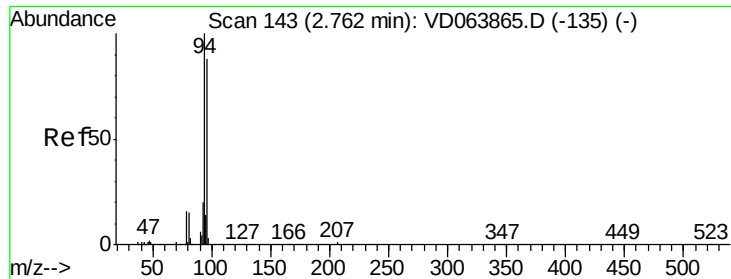
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#4
Vinyl Chloride
Concen: 143.349 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0





#5

Bromomethane

Concen: 168.534 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 480504

Ion Ratio Lower Upper

94 100

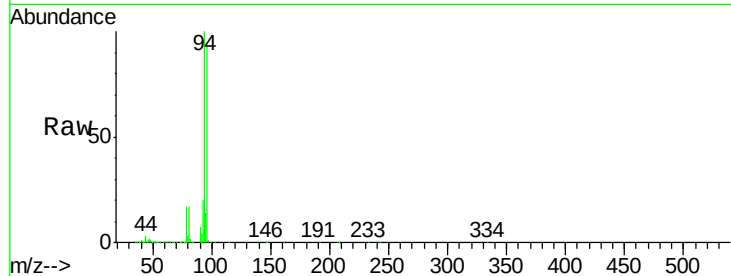
96 92.8 70.8 106.2

Manual Integrations

APPROVED

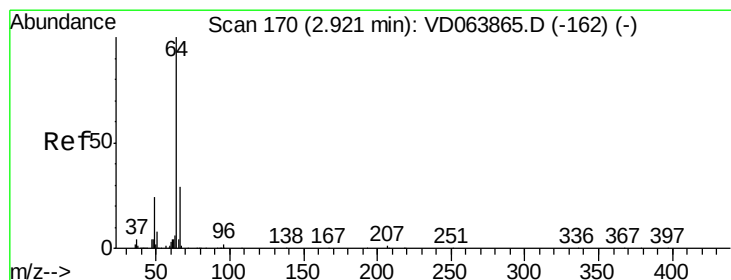
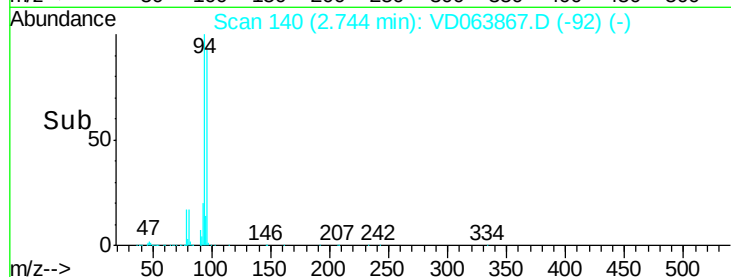
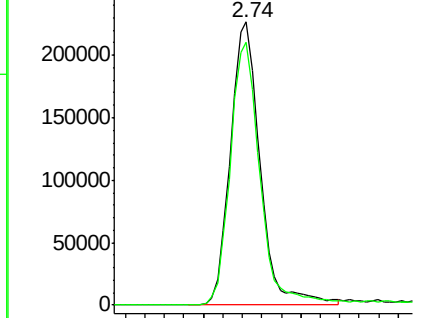
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 139.473 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD063867.D

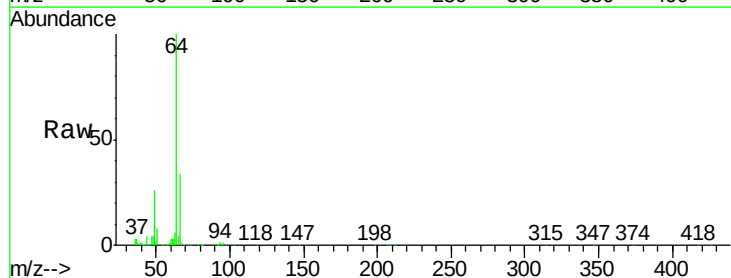
Acq: 02 Oct 2019 18:40

Tgt Ion: 64 Resp: 461890

Ion Ratio Lower Upper

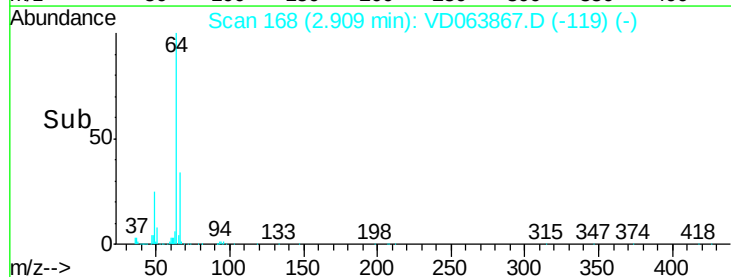
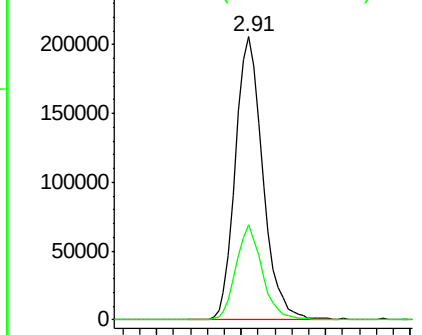
64 100

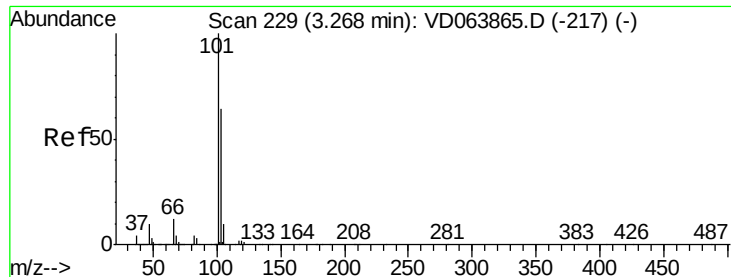
66 33.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

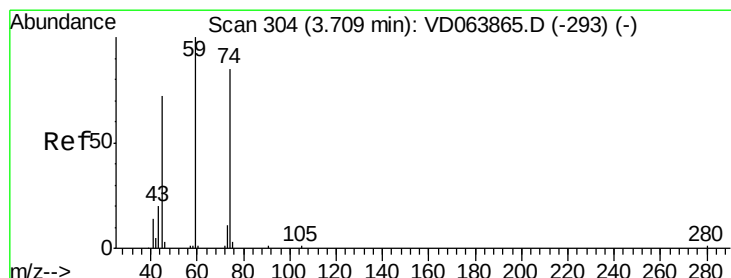
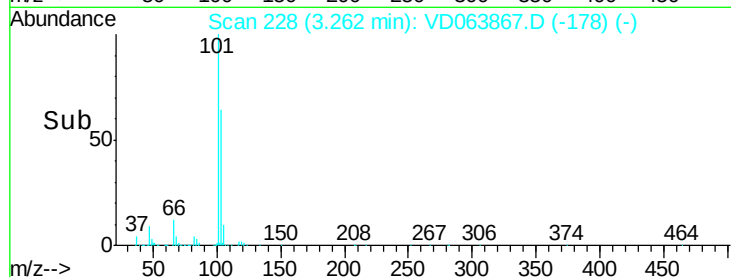
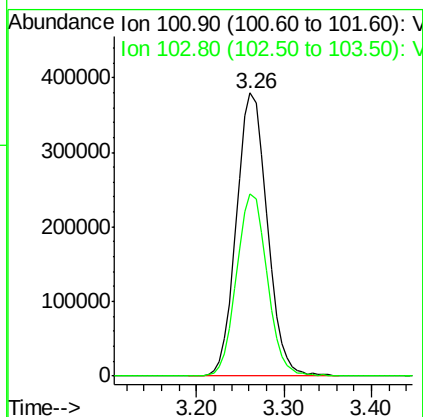
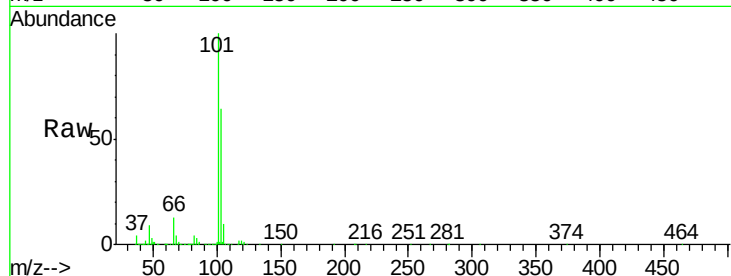
Trichlorofluoromethane
 Concen: 140.660 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	906532		
103	64.4	51.1	76.7	

Manual Integrations
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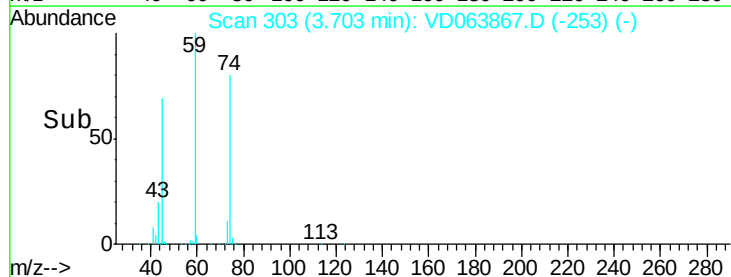
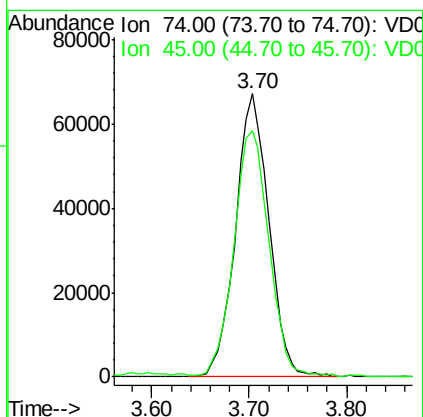
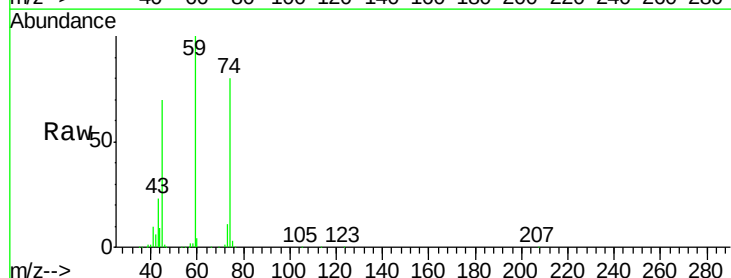
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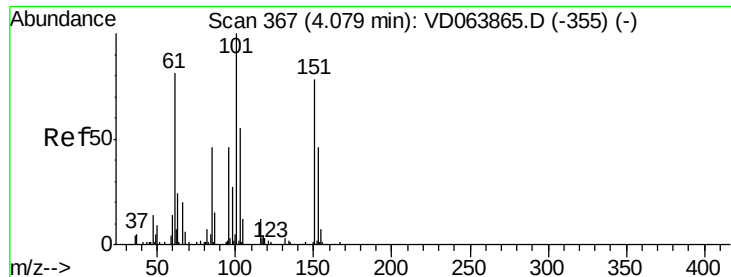


#8

Diethyl Ether
 Concen: 149.560 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	159496		
45	90.9	48.1	144.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.601 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

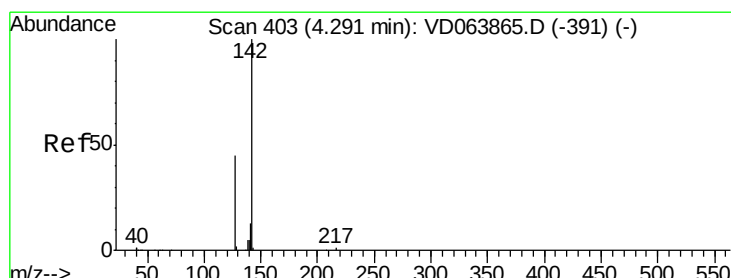
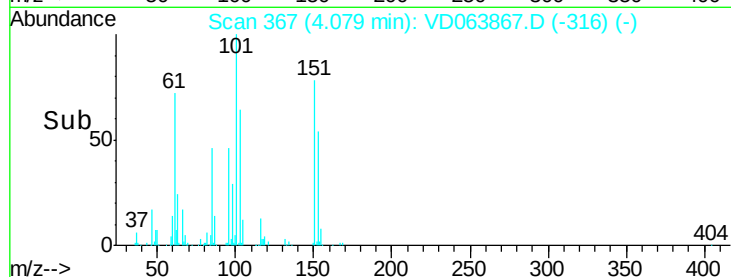
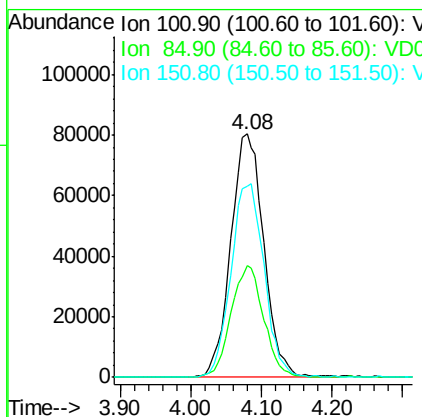
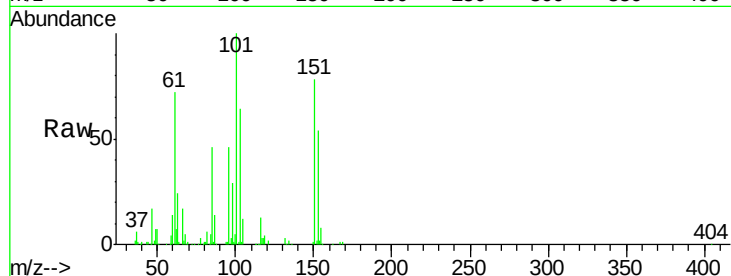
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	261090
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.5	56.3
151	79.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 187.456 ug/l

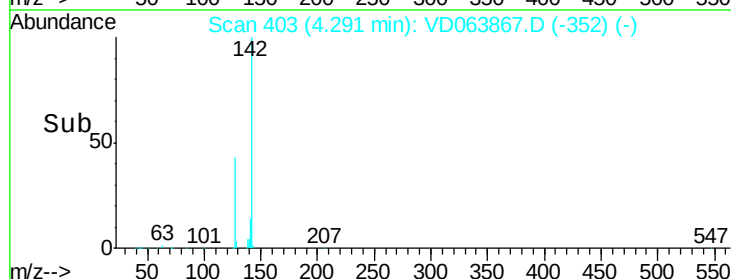
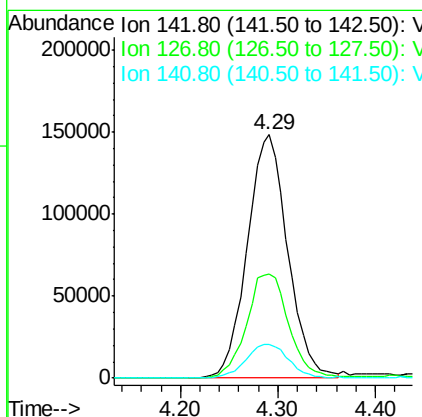
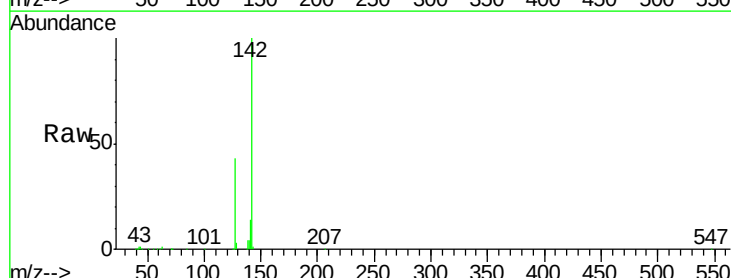
RT: 4.29 min Scan# 403

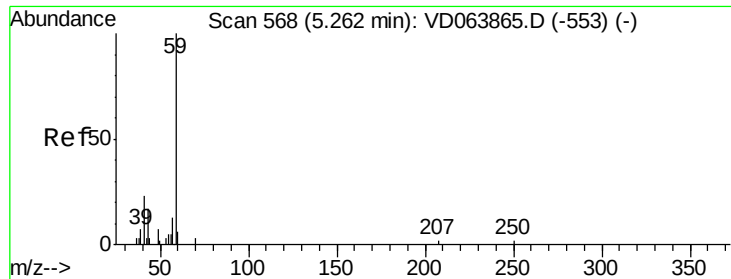
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	142	Resp:	429938
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	14.5	12.2	18.2





#11

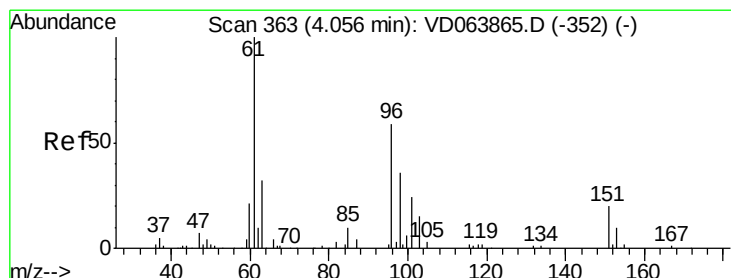
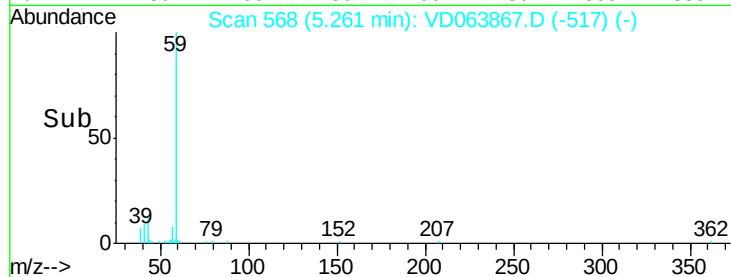
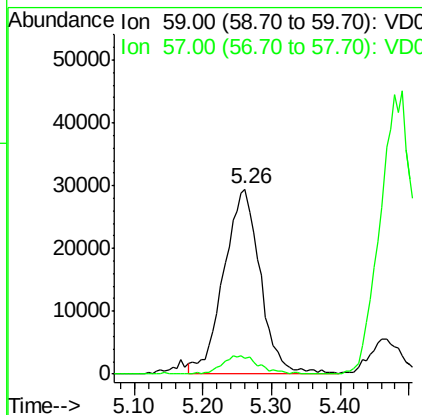
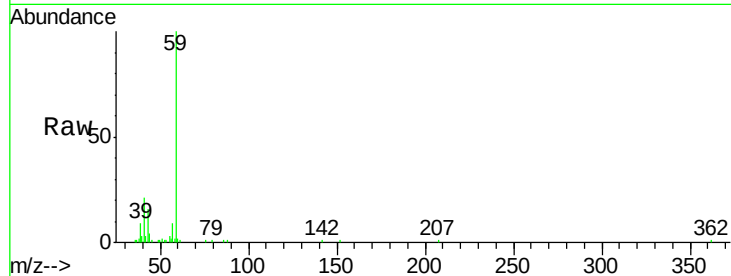
Tert butyl alcohol
 Concen: 654.148 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	108793		
57	57	9.9		8.8	13.2

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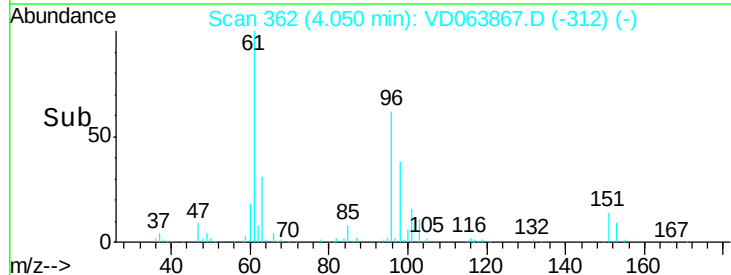
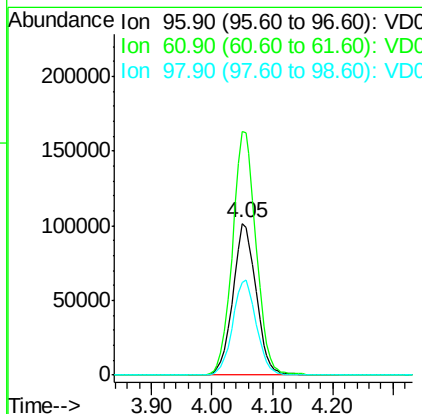
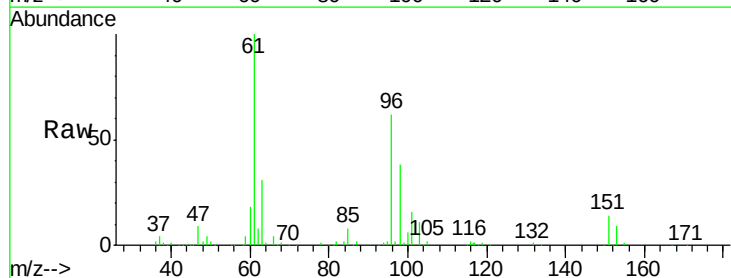
MMDadoda
 10/3/2019 12:55:32 PM

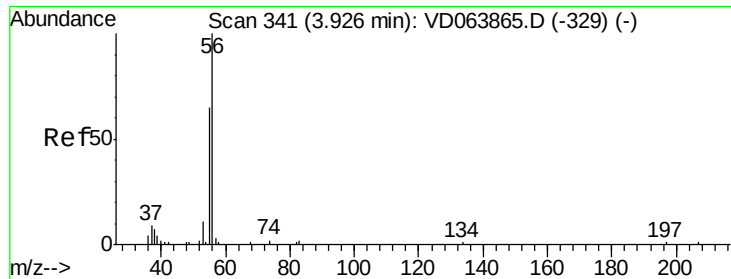


#12

1,1-Dichloroethene
 Concen: 143.116 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	273127		
61	61	160.2		135.6	203.4
98	98	61.0		49.2	73.8





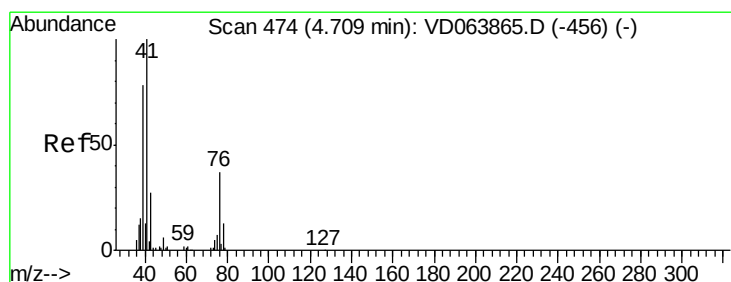
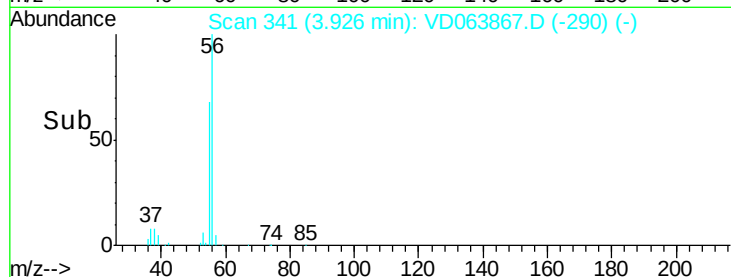
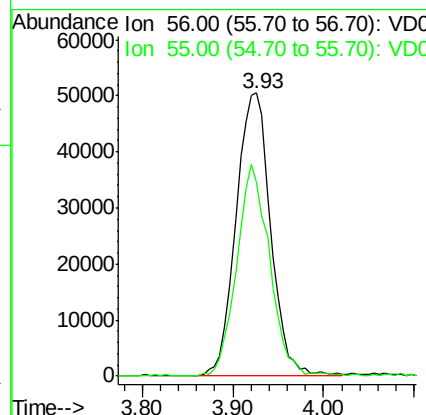
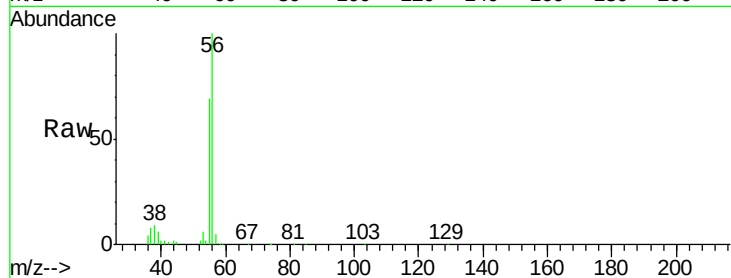
#13
 Acrolein
 Concen: 670.342 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	53.0	79.6

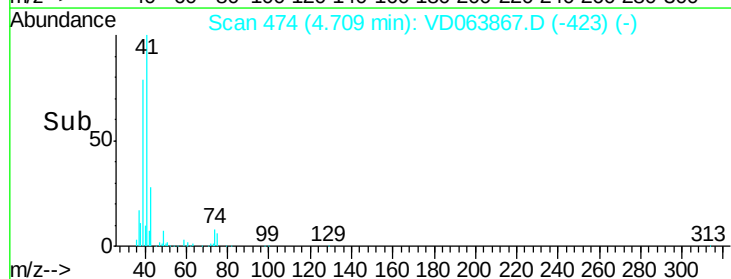
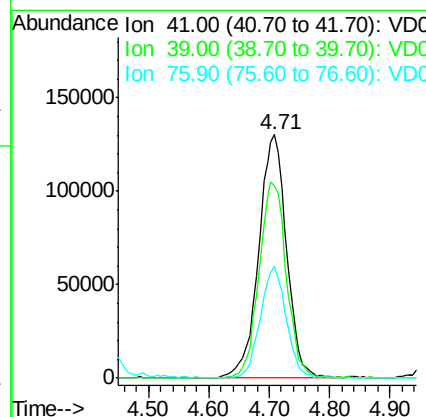
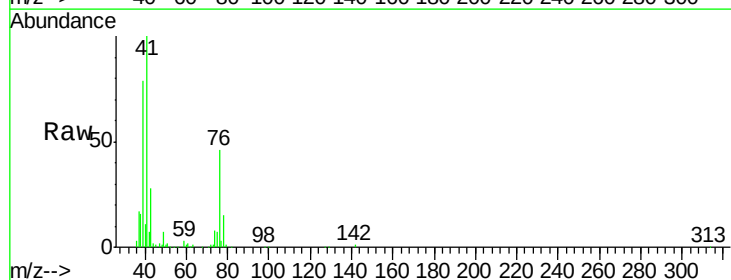
Manual Integrations
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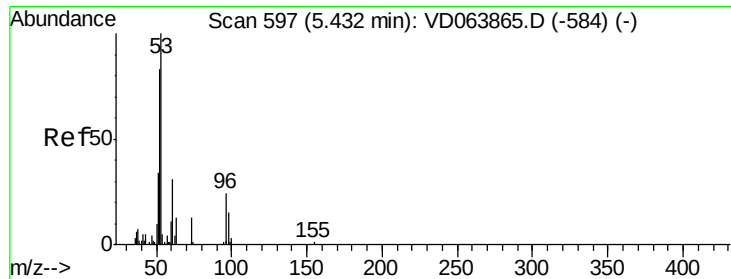
MMDadoda
 10/3/2019 12:55:32 PM



#14
 Allyl chloride
 Concen: 137.191 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.2	61.8	92.6
76	42.7	31.3	46.9





#15

Acrylonitrile

Concen: 777.496 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

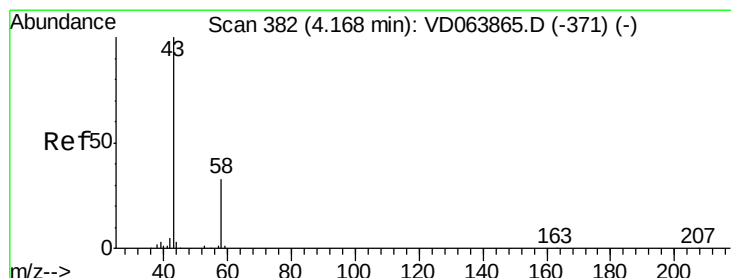
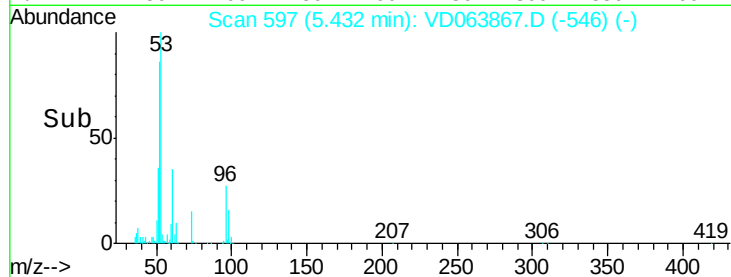
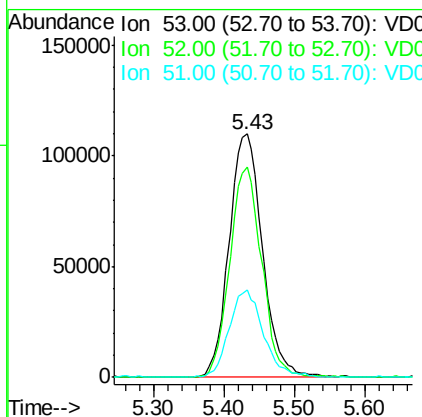
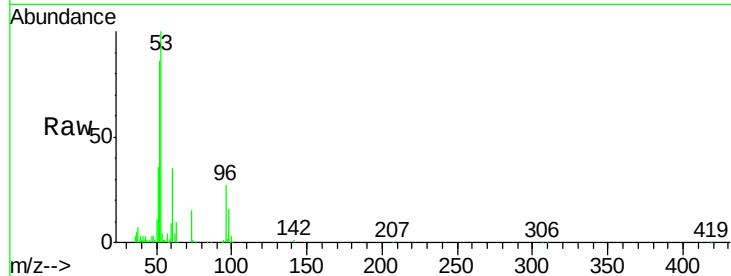
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	361527
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.3	100.9
51	36.8	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 879.778 ug/l

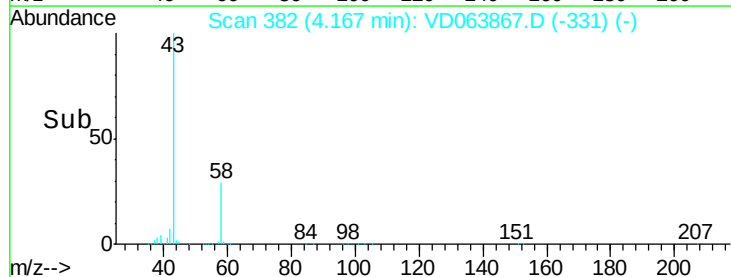
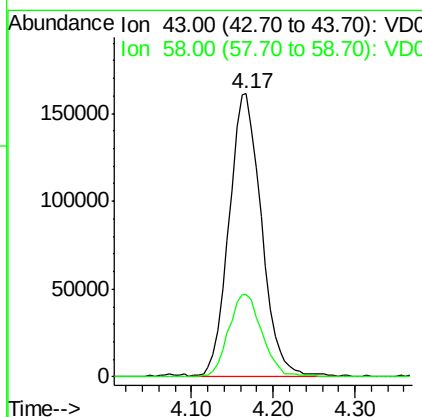
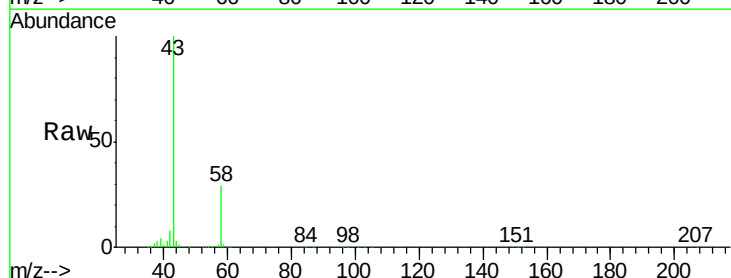
RT: 4.17 min Scan# 382

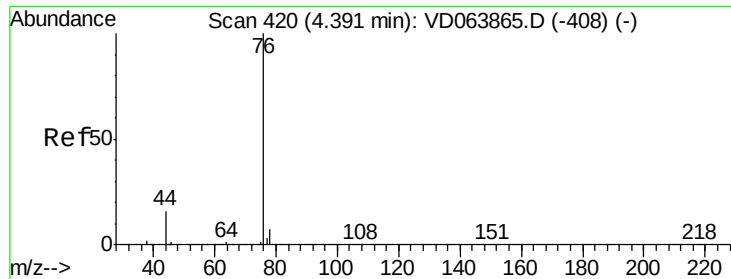
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	43	Resp:	442024
Ion	Ratio	Lower	Upper
43	100		
58	29.2	26.2	39.4





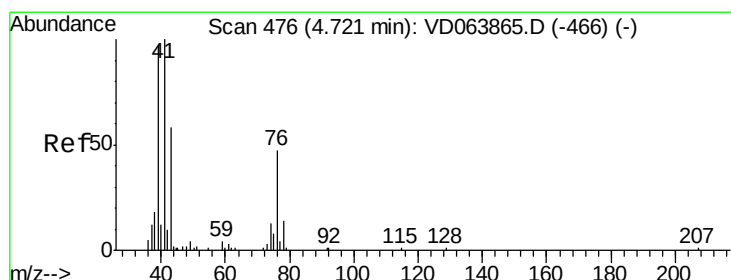
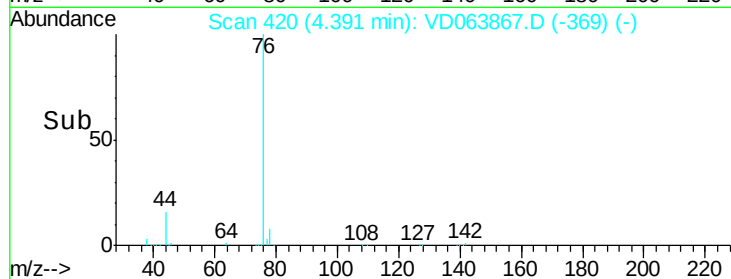
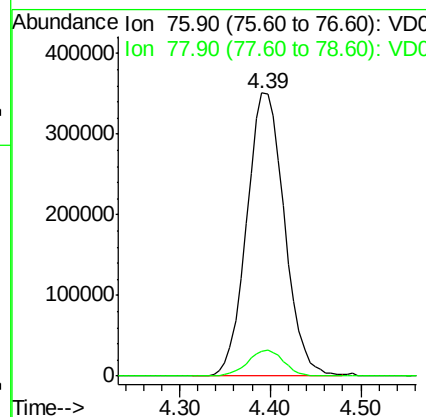
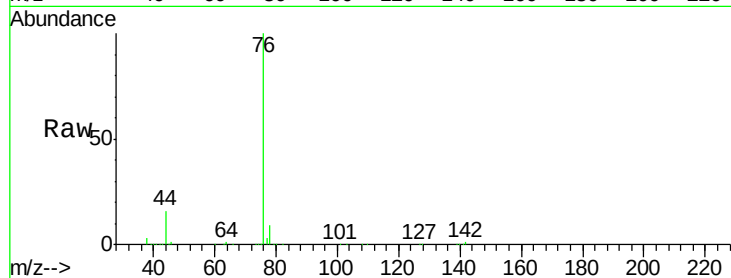
#17
Carbon Disulfide
Concen: 156.585 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1018706
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8

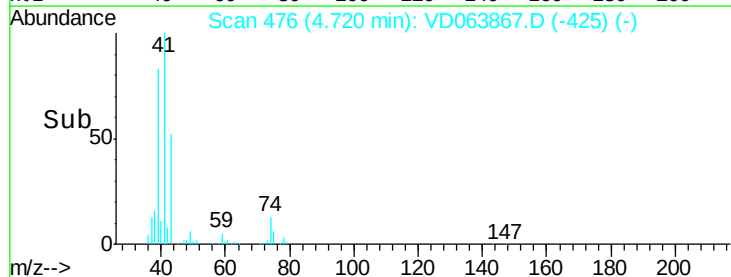
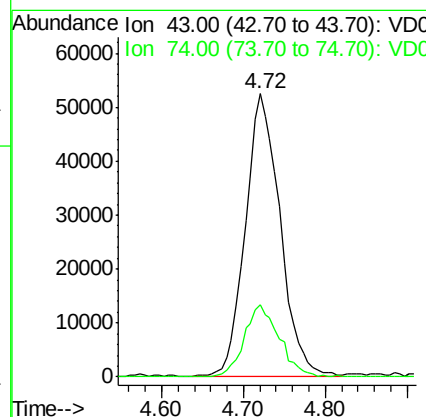
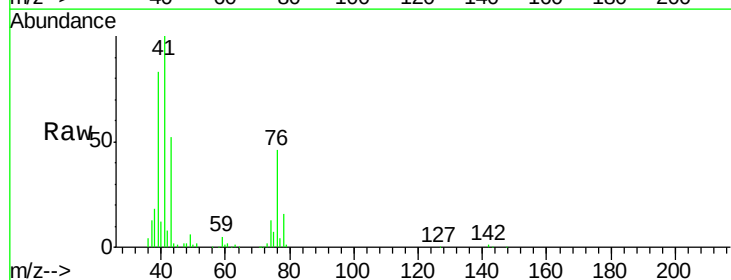
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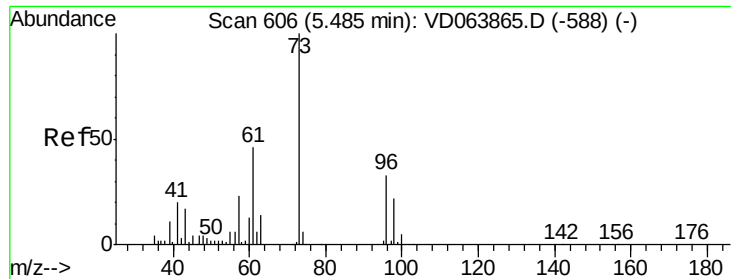
MMDadoda
10/3/2019 12:55:32 PM



#18
Methyl Acetate
Concen: 133.260 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 43 Resp: 155680
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2





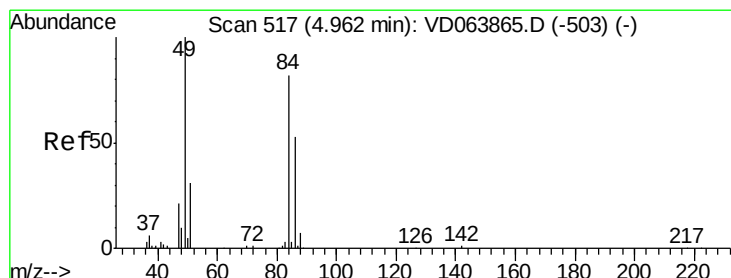
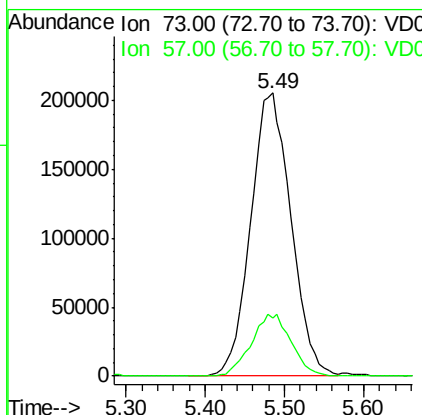
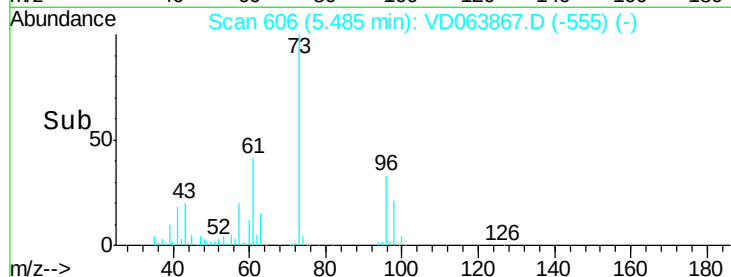
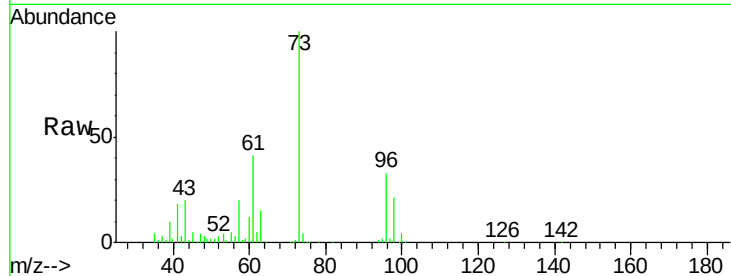
#19
Methyl tert-butyl Ether
Concen: 151.057 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 725728
Ion Ratio Lower Upper
73 100
57 20.3 18.1 27.1

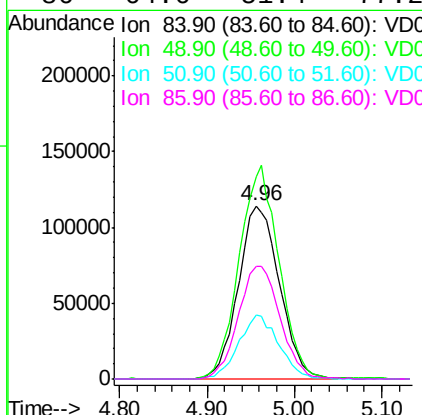
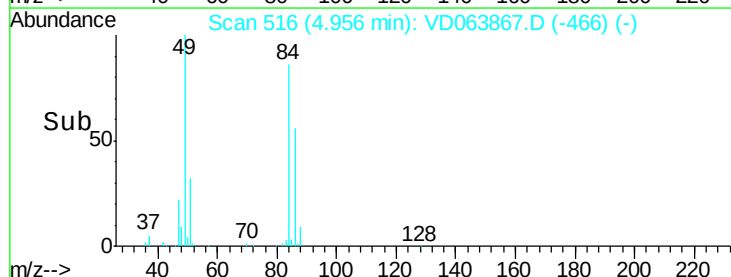
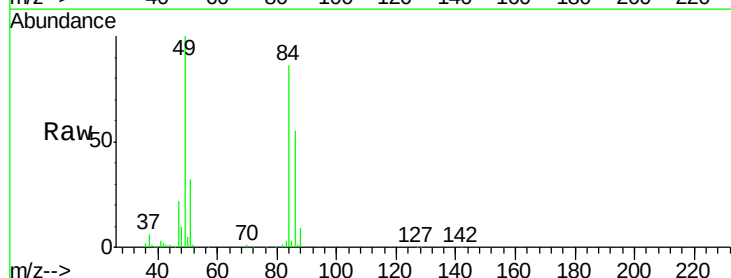
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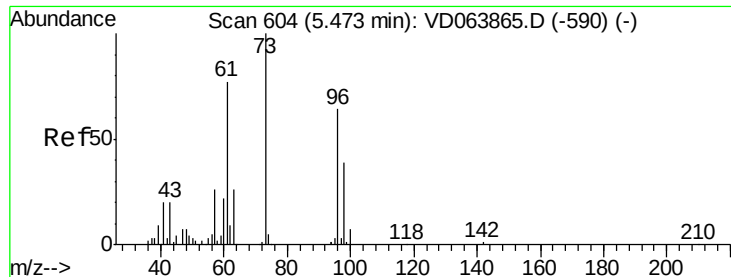
MMDadoda
10/3/2019 12:55:32 PM



#20
Methylene Chloride
Concen: 127.623 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 84 Resp: 365686
Ion Ratio Lower Upper
84 100
49 116.9 97.3 145.9
51 37.2 30.1 45.1
86 64.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 154.400 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

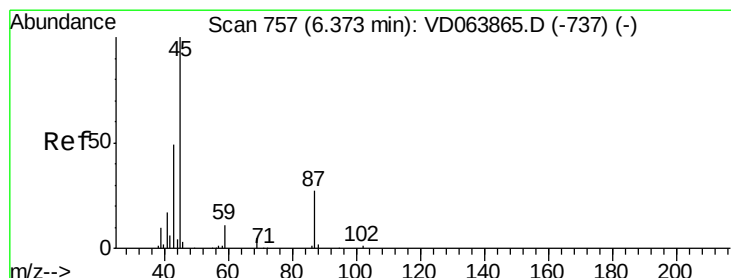
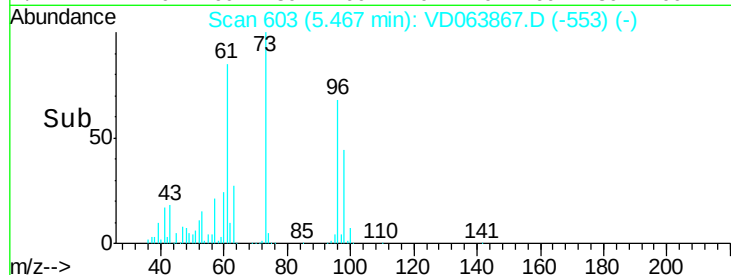
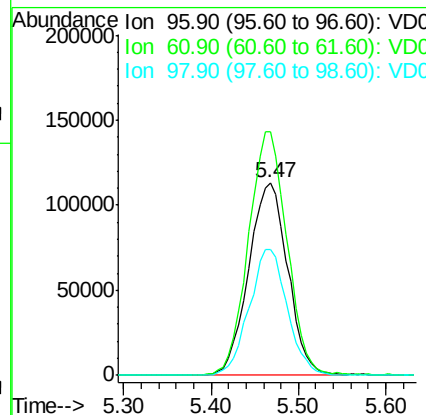
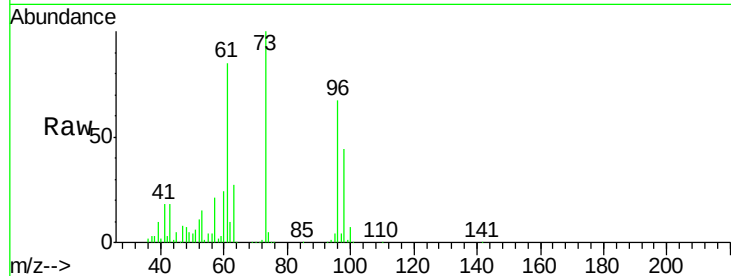
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	345989
Ion	Ratio	Lower	Upper
96	100		
61	125.9	96.6	145.0
98	65.2	48.7	73.1

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#22

Diisopropyl ether

Concen: 137.730 ug/l

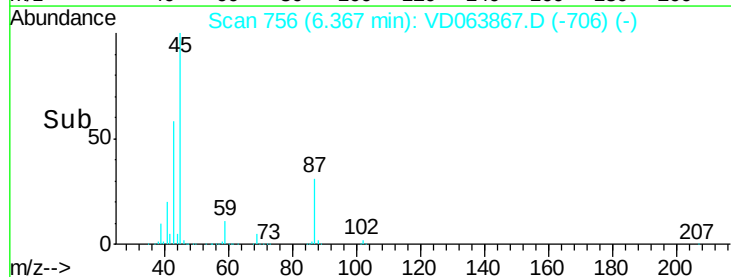
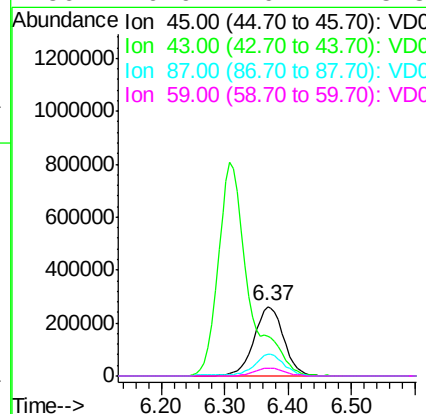
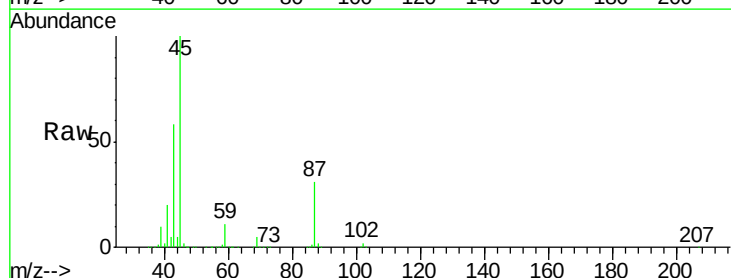
RT: 6.37 min Scan# 756

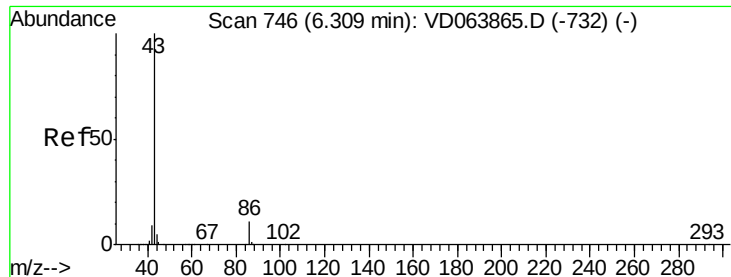
Delta R.T. -0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	45	Resp:	861421
Ion	Ratio	Lower	Upper
45	100		
43	57.4	41.2	61.8
87	30.6	22.2	33.4
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 721.857 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2685530

Ion Ratio Lower Upper

43 100

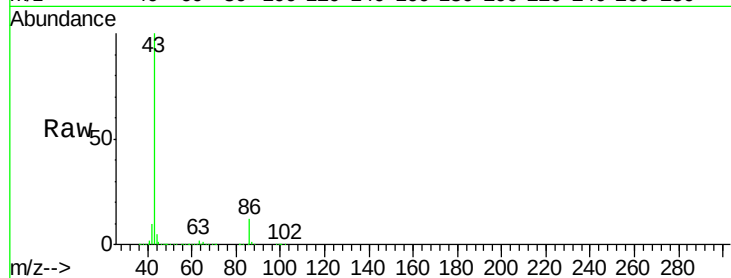
86 12.1 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

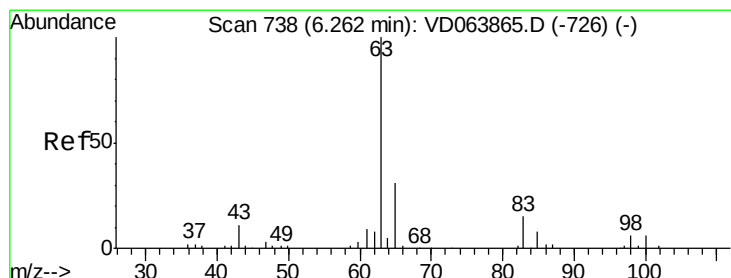
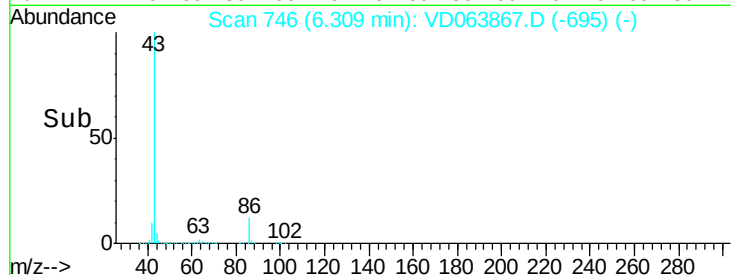
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 145.856 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

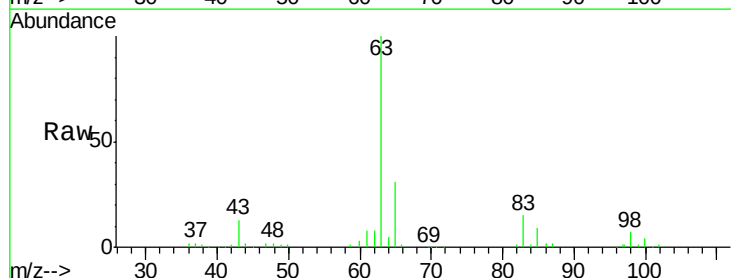
Tgt Ion: 63 Resp: 556950

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

100 4.0 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

250000

200000

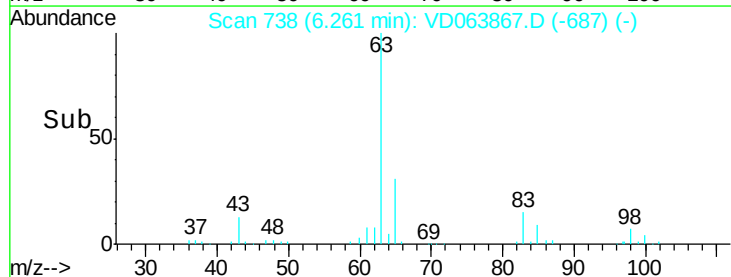
150000

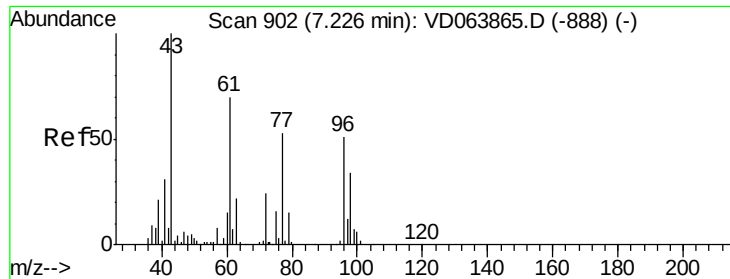
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 795.287 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 507325

Ion Ratio Lower Upper

43 100

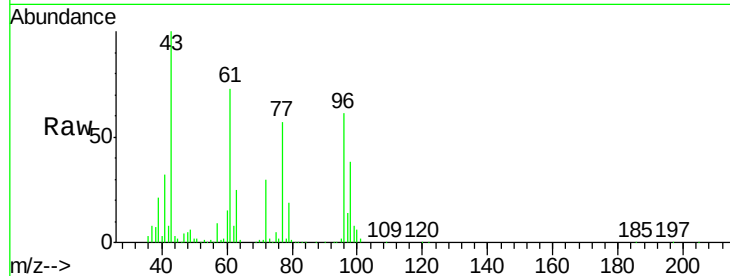
72 30.0 19.2 28.8#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

200000

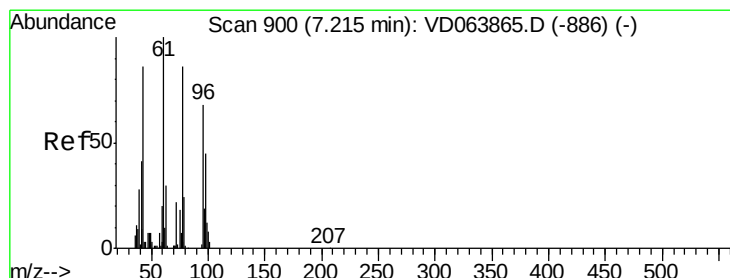
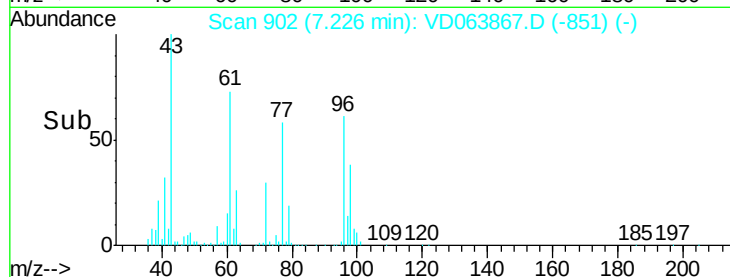
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 139.767 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063867.D

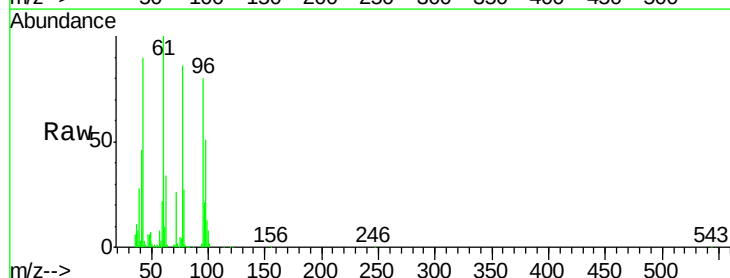
Acq: 02 Oct 2019 18:40

Tgt Ion: 77 Resp: 493646

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

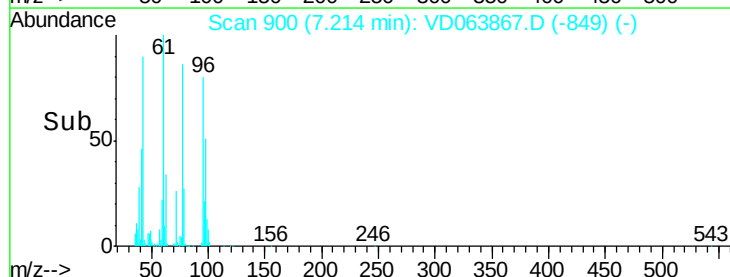
150000

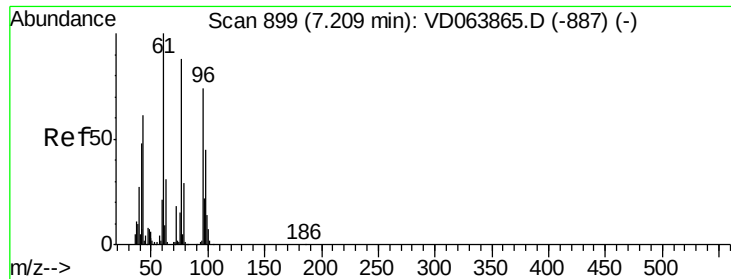
100000

50000

0

Time--> 7.10 7.20 7.30





#27

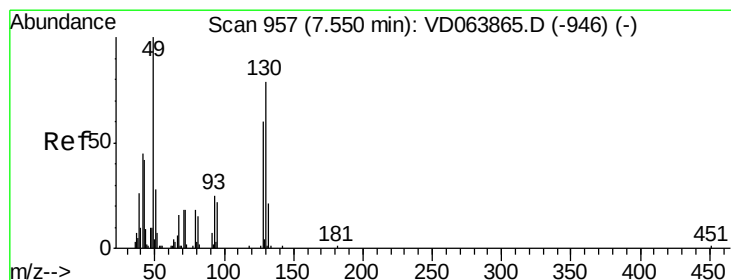
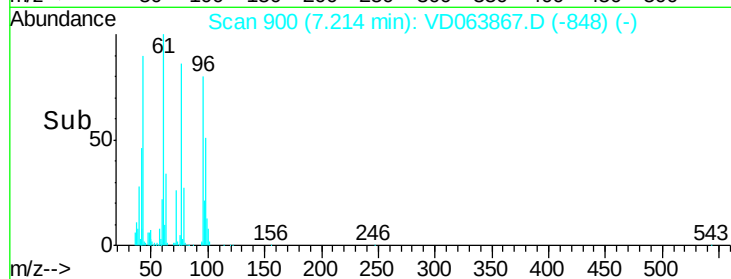
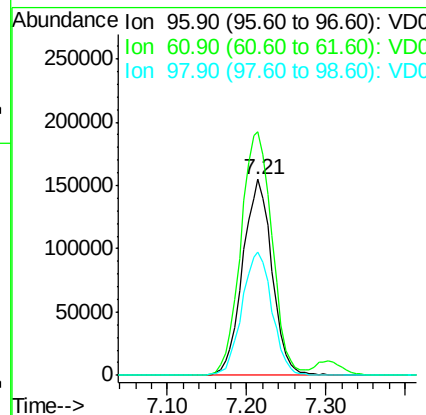
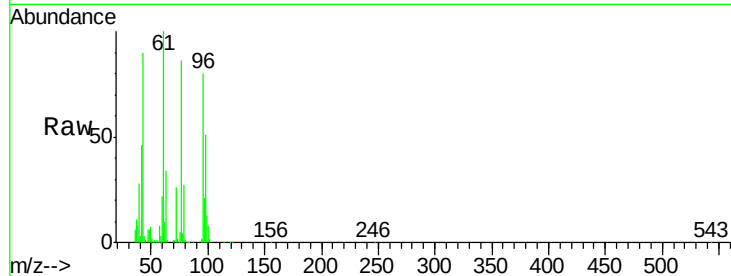
cis-1,2-Dichloroethene
Concen: 159.335 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.7	0.0	280.0	
98	64.3	0.0	130.4	

Manual Integrations
APPROVED

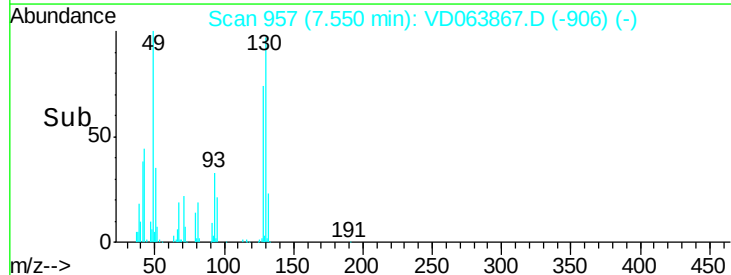
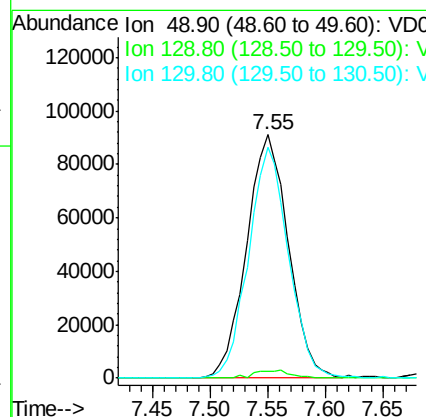
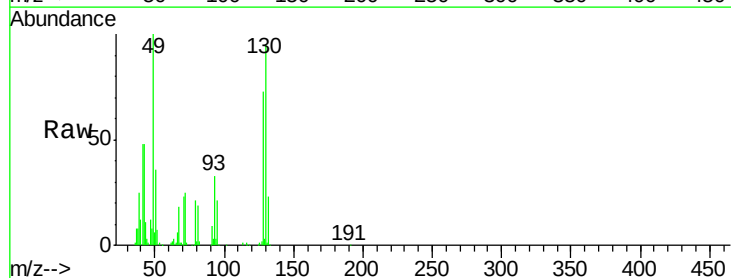
MMDadoda
10/3/2019 12:55:32 PM

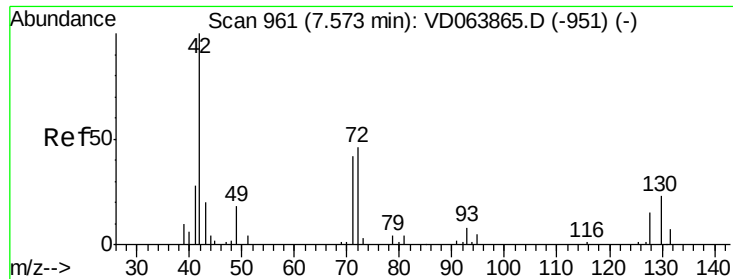


#28

Bromochloromethane
Concen: 156.616 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	5.6	
130	90.8	66.8	100.2	





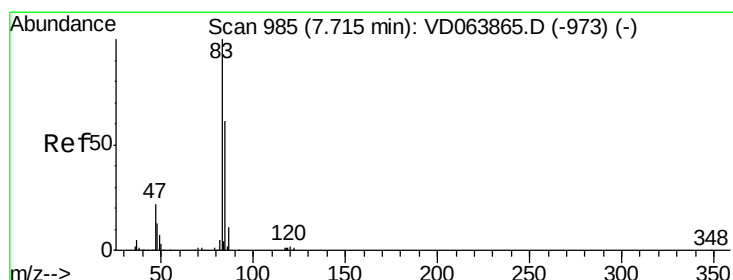
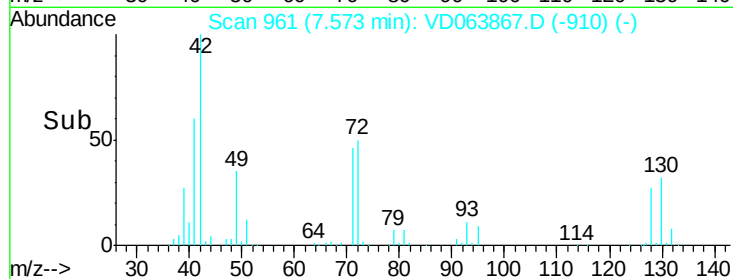
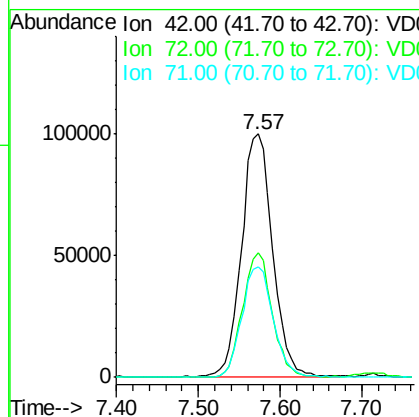
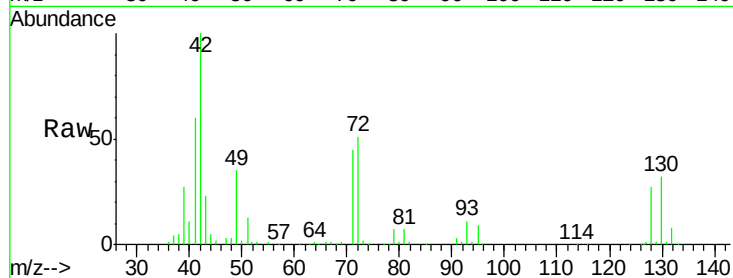
#29
Tetrahydrofuran
Concen: 710.237 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	37.6	56.4
71	45.8	35.0	52.6

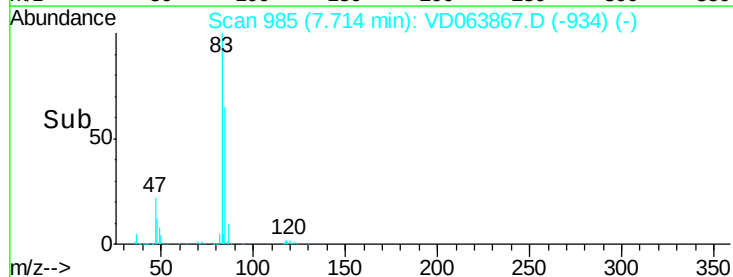
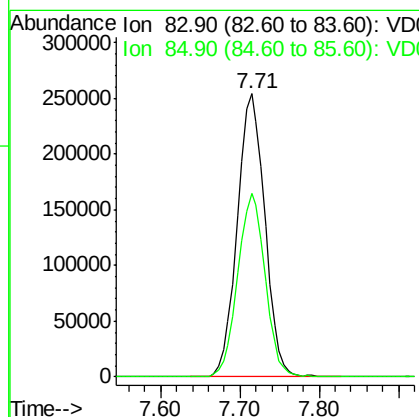
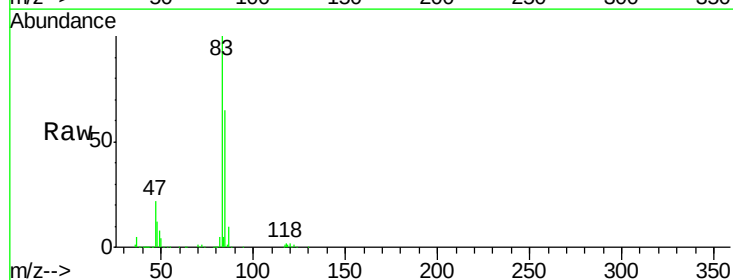
Manual Integrations
APPROVED

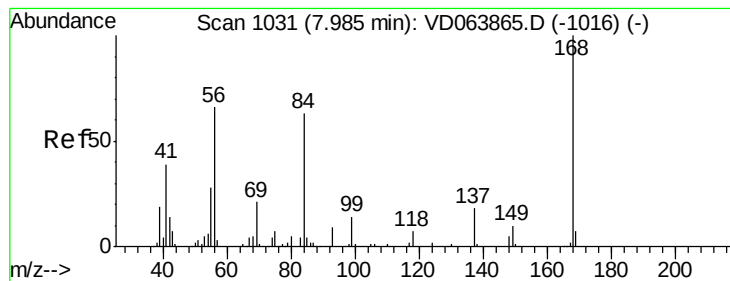
MMDadoda
10/3/2019 12:55:32 PM



#30
Chloroform
Concen: 148.642 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	48.9	73.3





#31

Cyclohexane

Concen: 121.332 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 454769

Ion Ratio Lower Upper

56 100

69 34.0 25.0 37.4

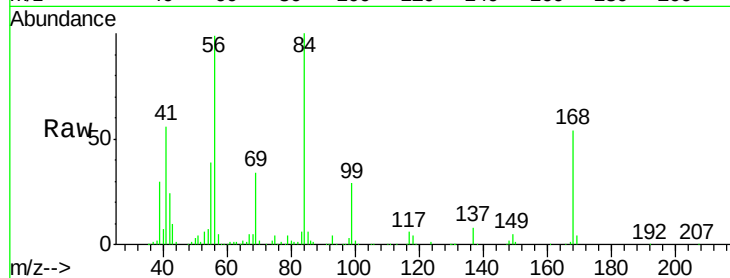
84 98.4 76.3 114.5

Manual Integrations

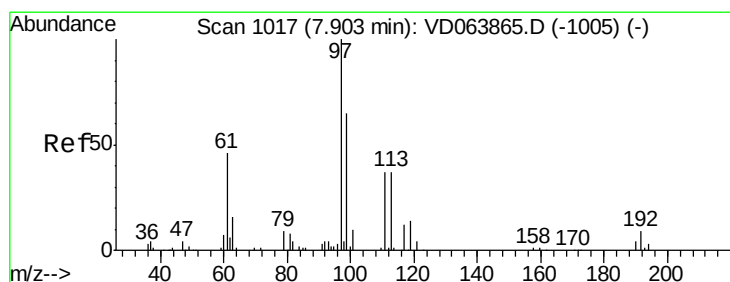
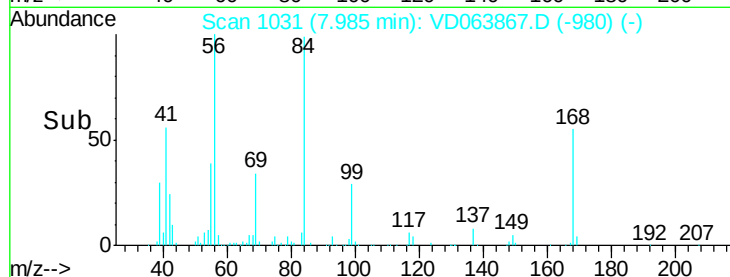
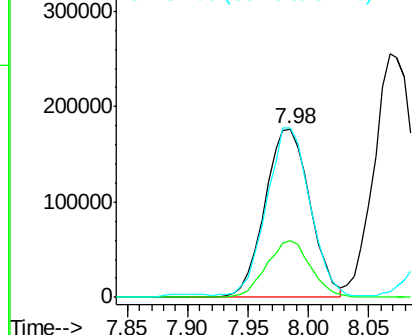
APPROVED

MMDadoda

10/3/2019 12:55:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 146.818 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

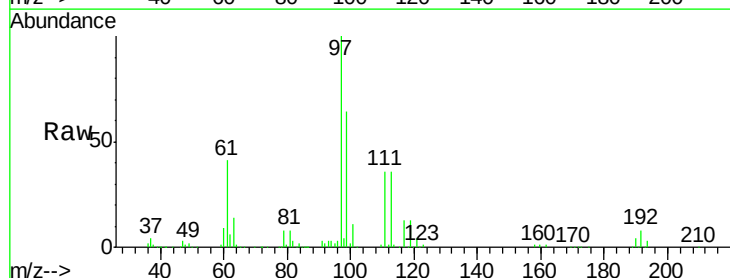
Tgt Ion: 97 Resp: 546244

Ion Ratio Lower Upper

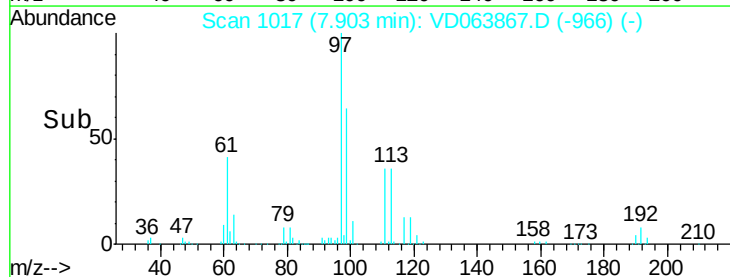
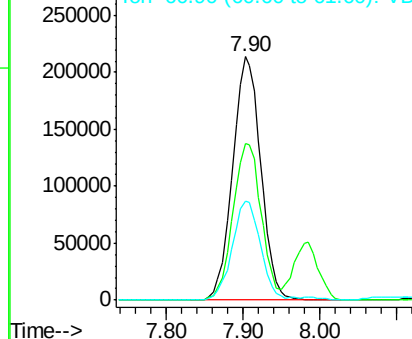
97 100

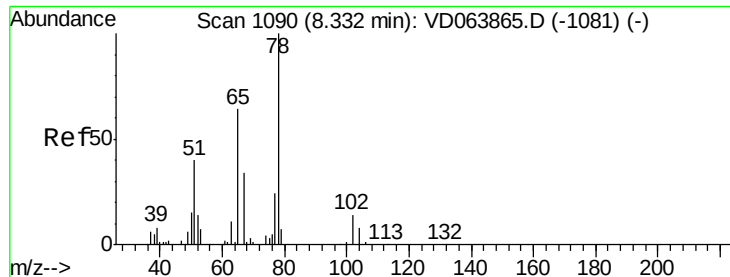
99 64.9 52.4 78.6

61 41.0 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





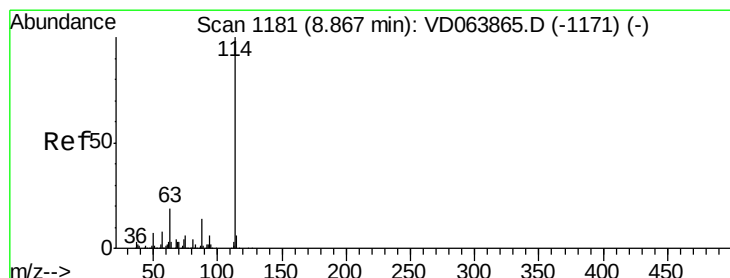
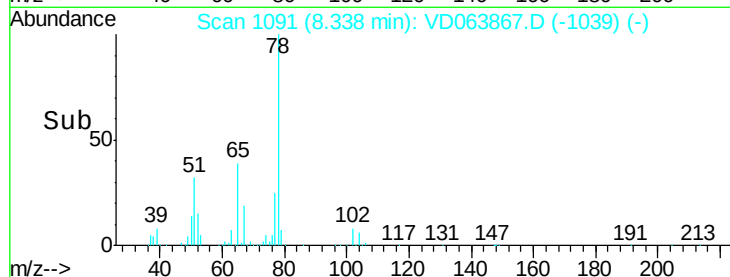
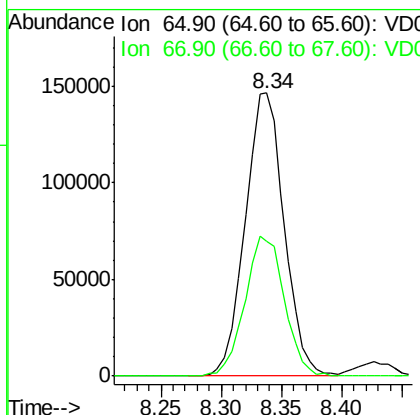
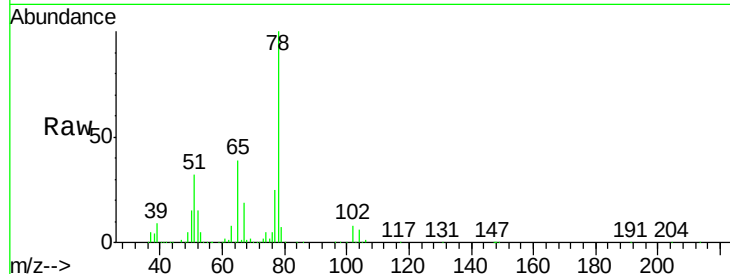
#33
 1,2-Dichloroethane-d4
 Concen: 154.513 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.4

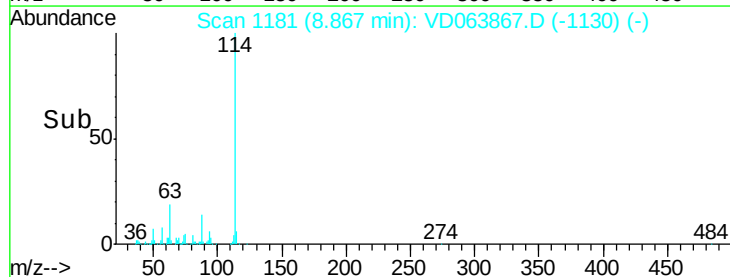
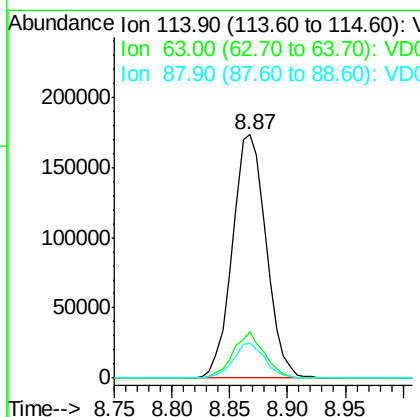
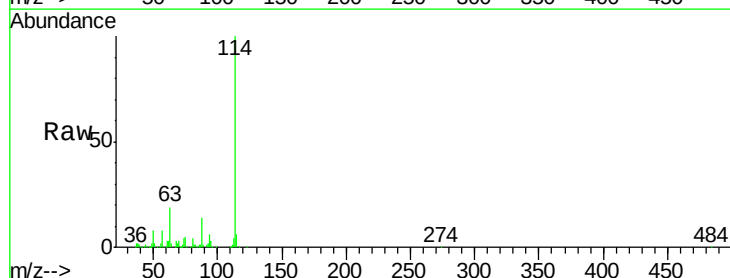
Manual Integrations
 APPROVED

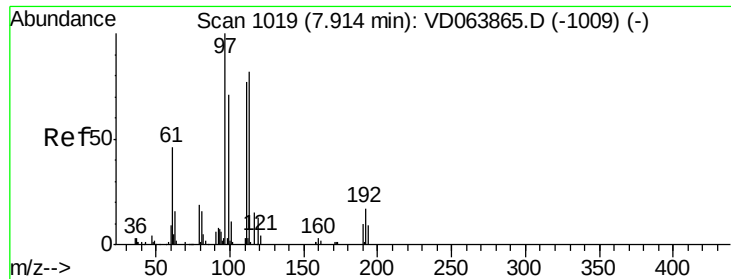
MMDadoda
 10/3/2019 12:55:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	14.4	0.0	27.4





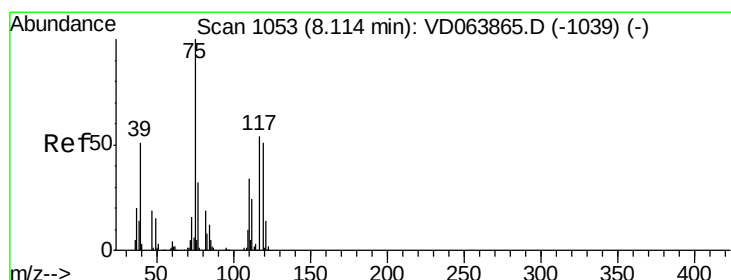
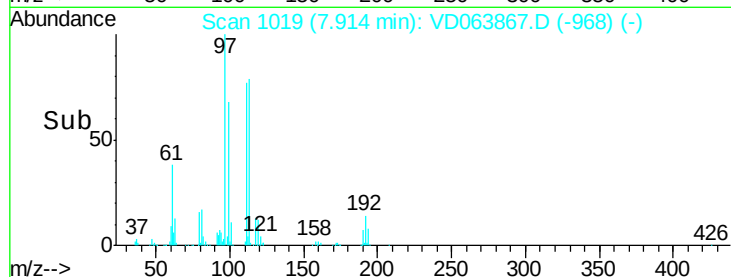
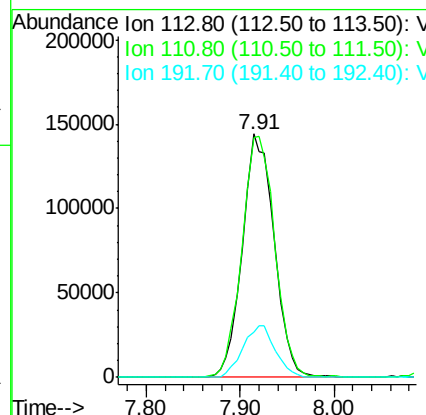
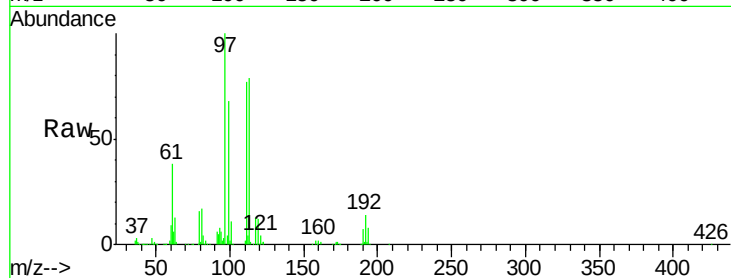
#35
 Dibromofluoromethane
 Concen: 152.606 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.6	123.8	
192	21.8	17.1	25.7	

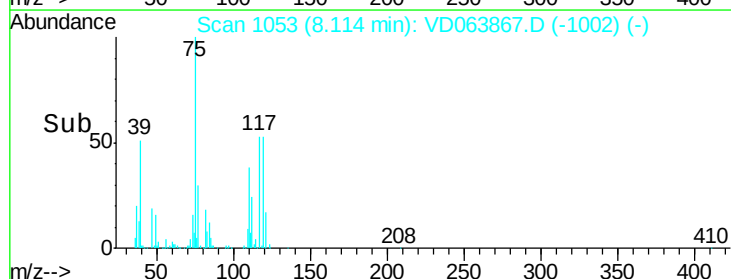
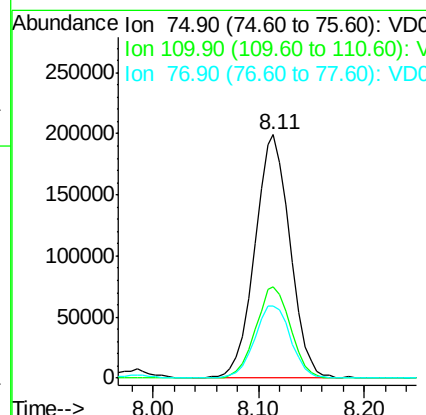
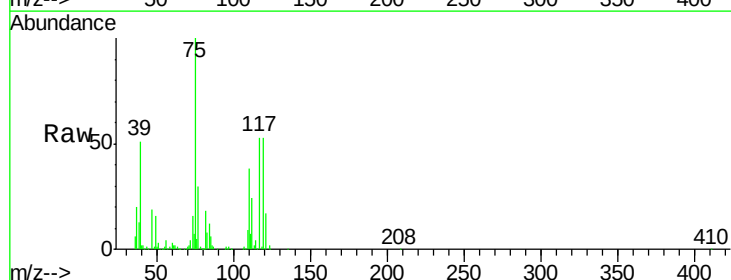
Manual Integrations
 APPROVED

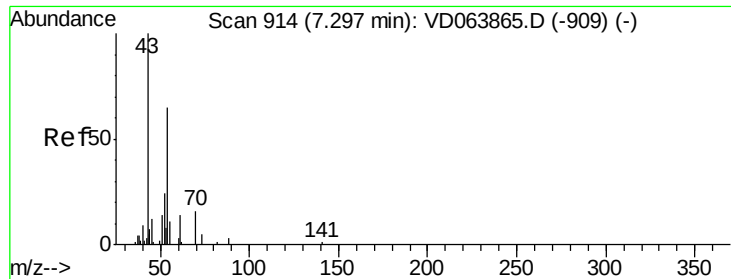
MMDadoda
 10/3/2019 12:55:32 PM



#36
 1,1-Dichloropropene
 Concen: 144.589 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	17.4	52.3	
77	30.7	25.4	38.0	





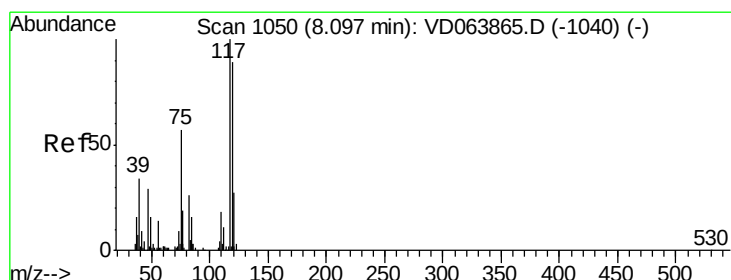
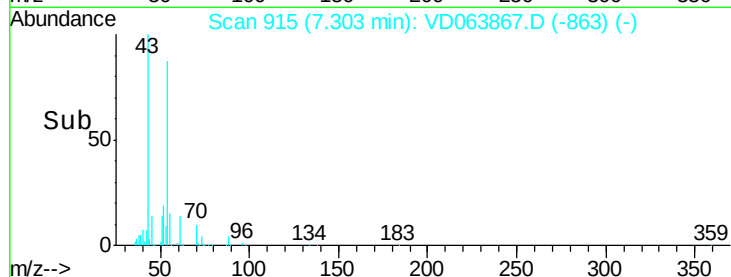
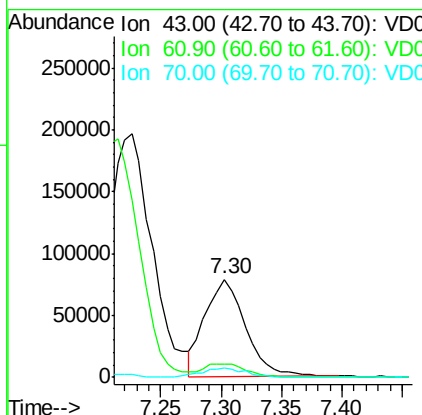
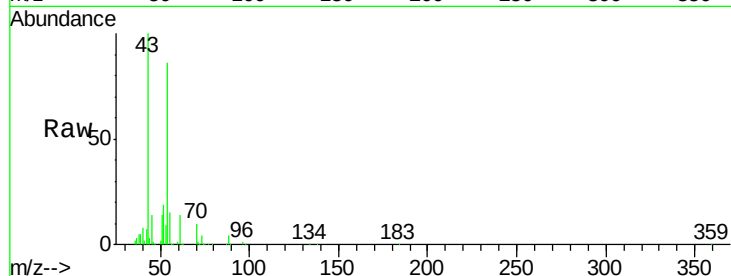
#37
Ethyl Acetate
Concen: 134.162 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	10.7	8.2	12.4

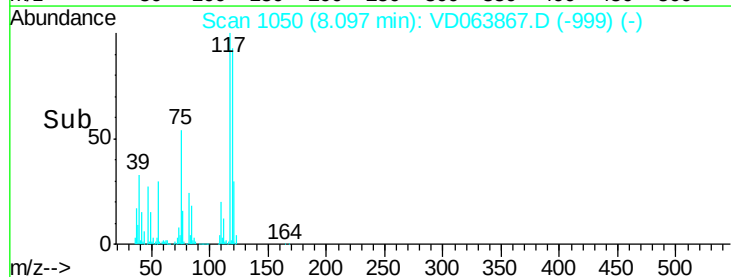
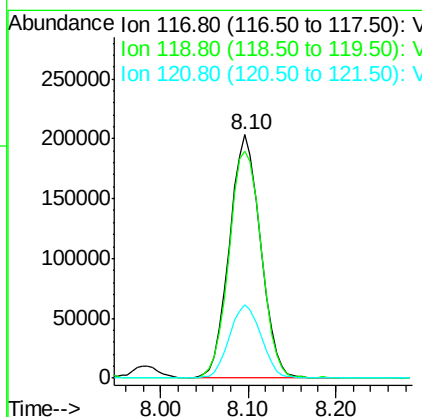
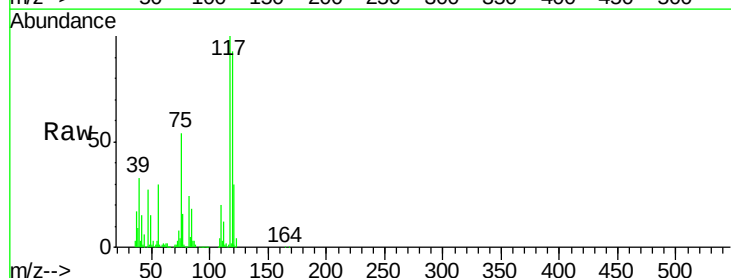
Manual Integrations
APPROVED

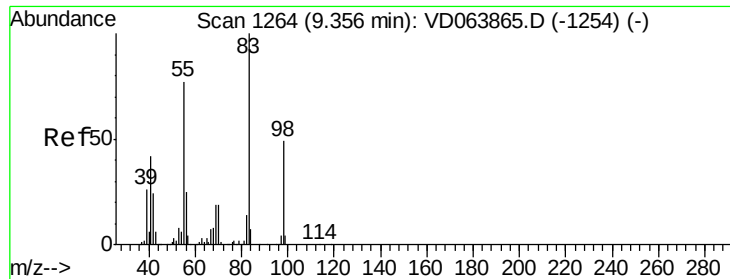
MMDadoda
10/3/2019 12:55:32 PM



#38
Carbon Tetrachloride
Concen: 149.561 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	70.8	106.2
121	30.3	21.4	32.0





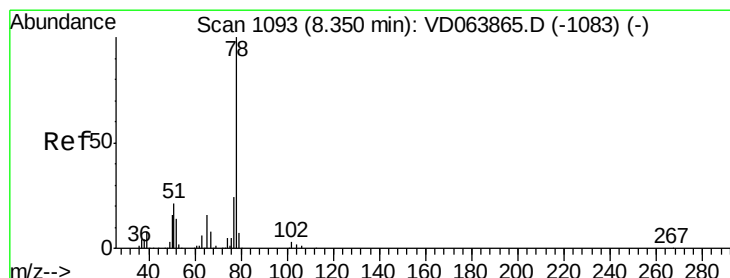
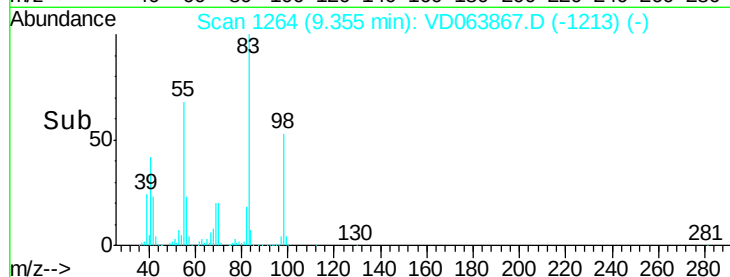
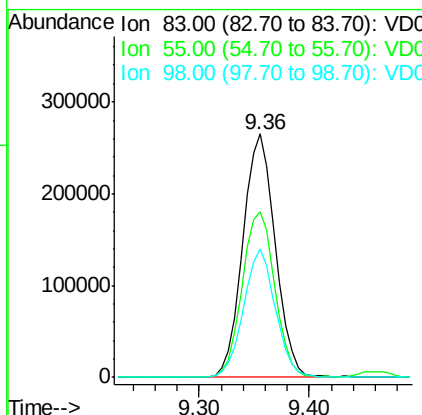
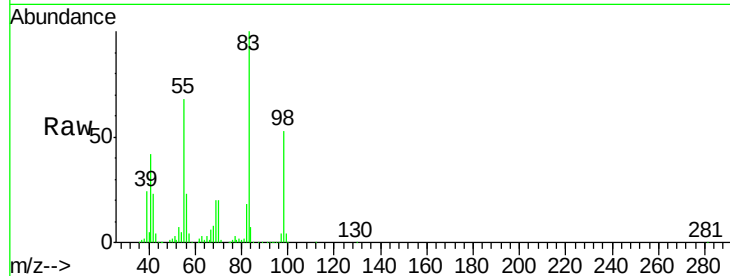
#39
Methylvlcyclohexane
Concen: 138.452 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	61.3	91.9
98	52.7	39.3	58.9

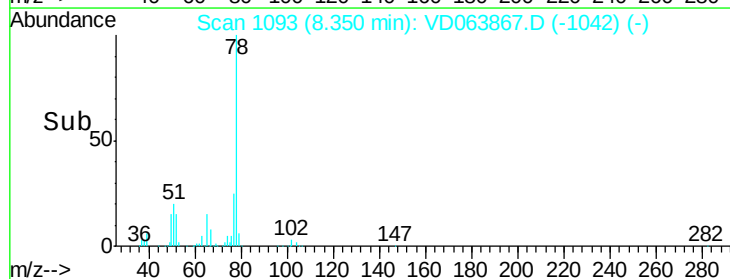
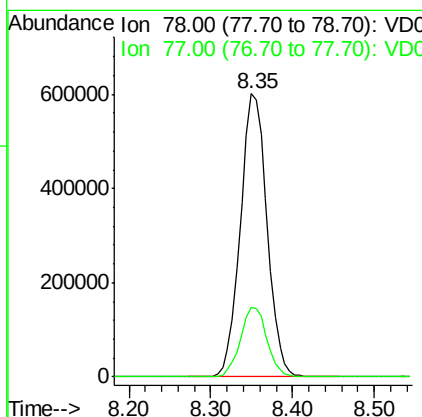
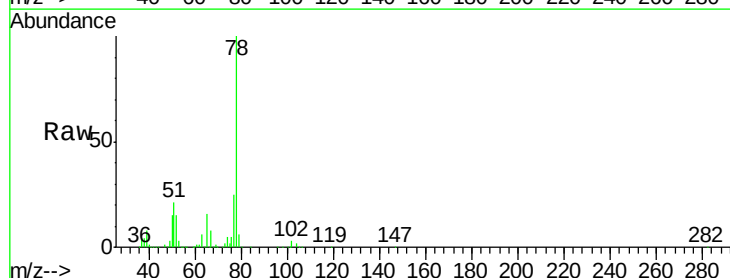
Manual Integrations
APPROVED

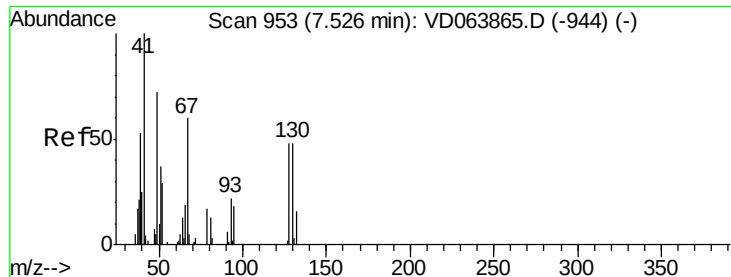
MMDadoda
10/3/2019 12:55:32 PM



#40
Benzene
Concen: 154.803 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6





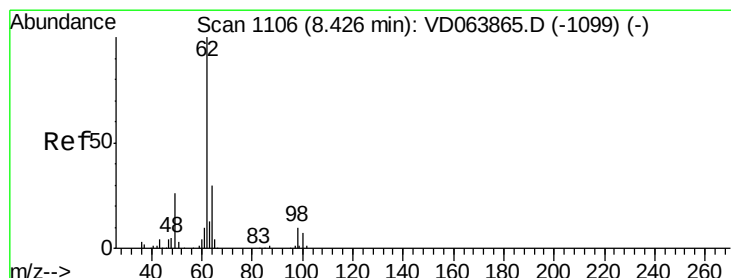
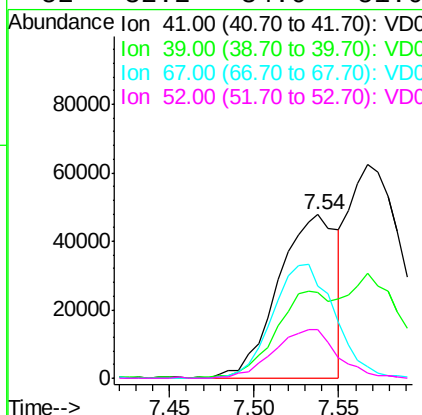
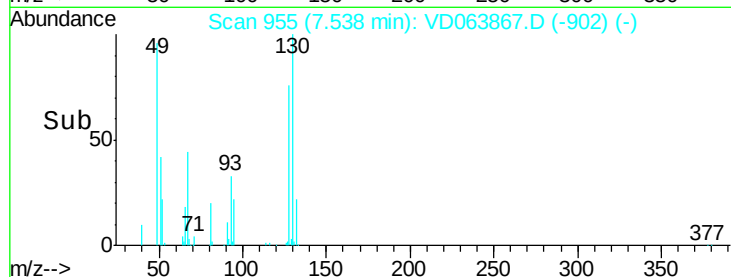
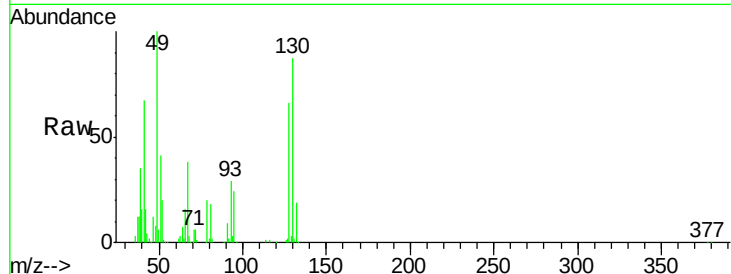
#41
Methacrylonitrile
Concen: 149.547 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.9	52.6	78.8#
67	74.0	74.2	111.2#
52	32.2	34.0	51.0#

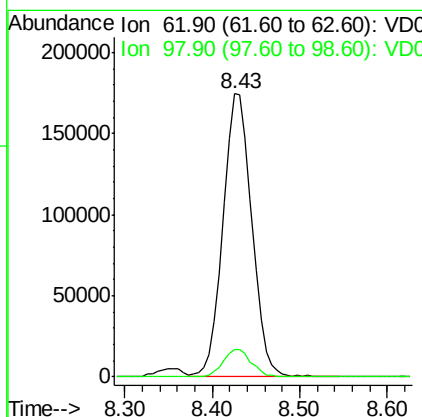
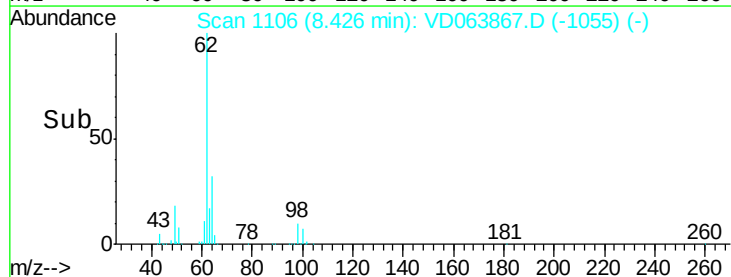
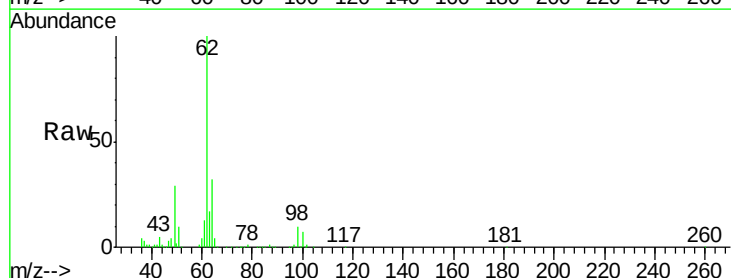
Manual Integrations
APPROVED

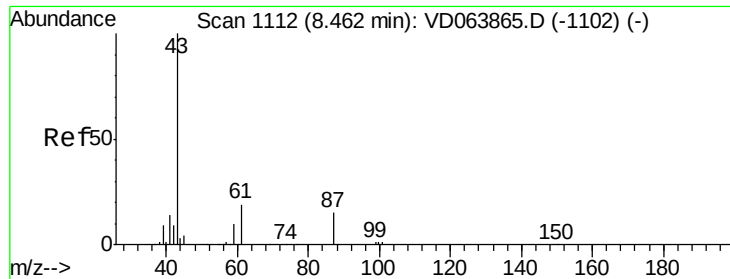
MMDadoda
10/3/2019 12:55:32 PM



#42
1,2-Dichloroethane
Concen: 152.715 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





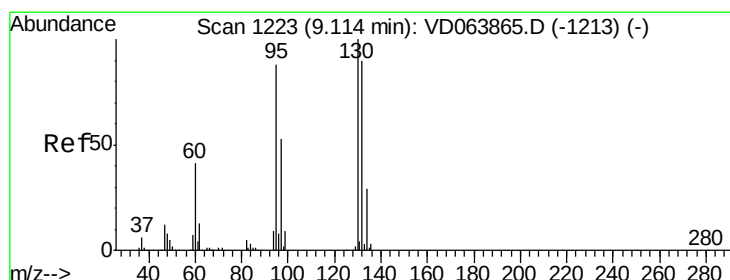
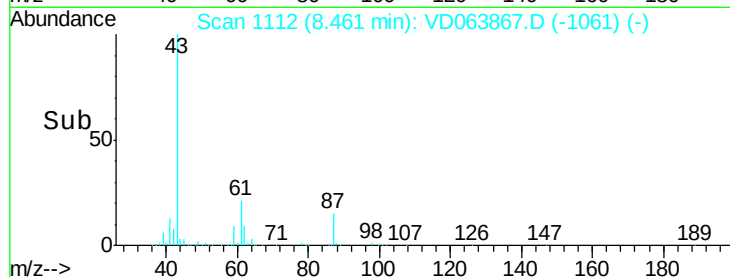
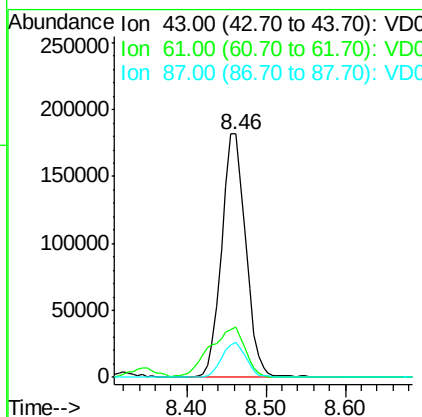
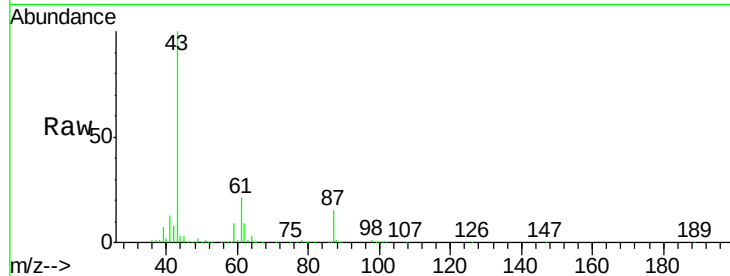
#43
Isopropyl Acetate
Concen: 143.337 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	25.7	38.5
87	14.3	11.6	17.4

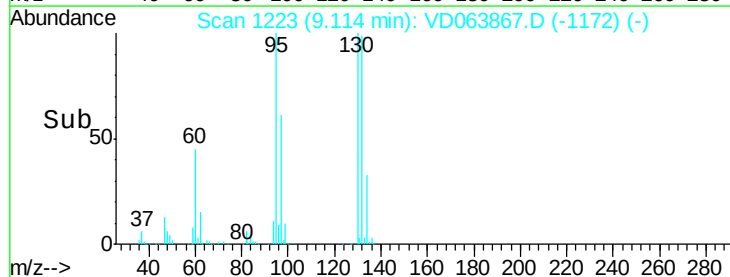
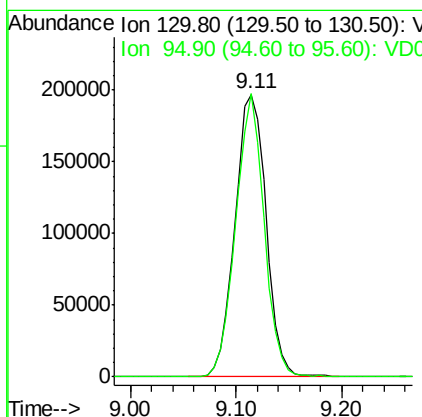
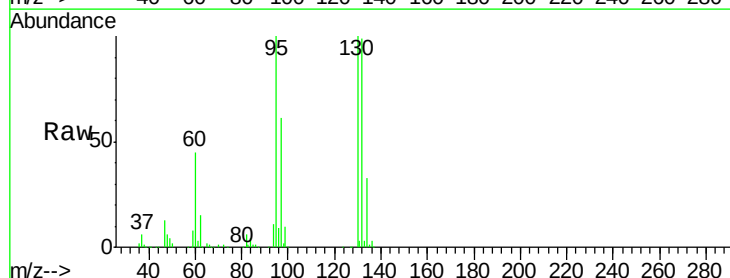
Manual Integrations
APPROVED

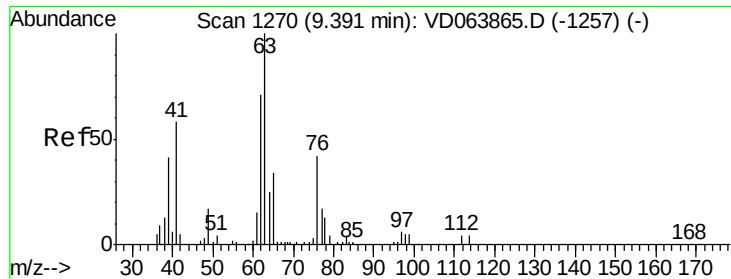
MMDadoda
10/3/2019 12:55:32 PM



#44
Trichloroethene
Concen: 156.430 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	175.6





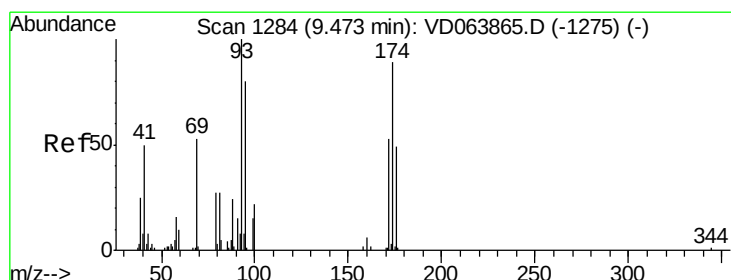
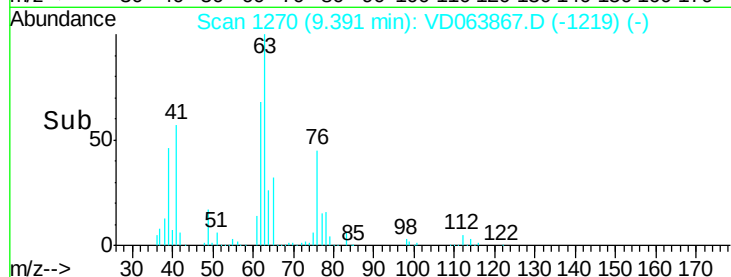
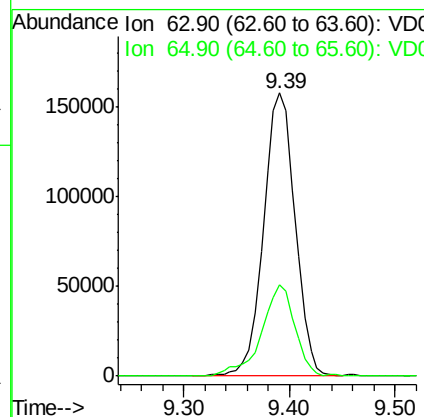
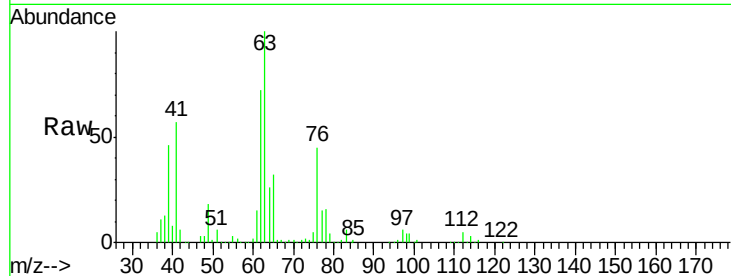
#45
 1,2-Dichloropropane
 Concen: 149.982 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	27.3	40.9

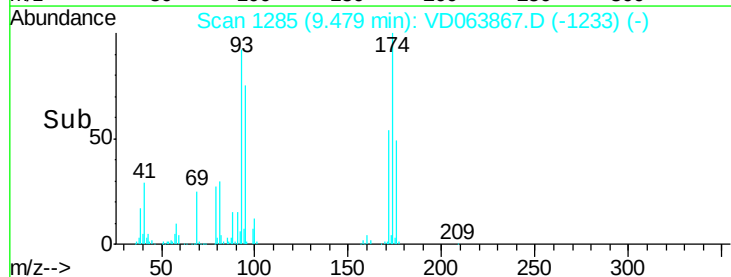
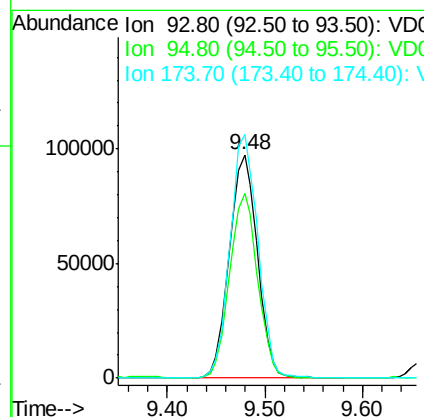
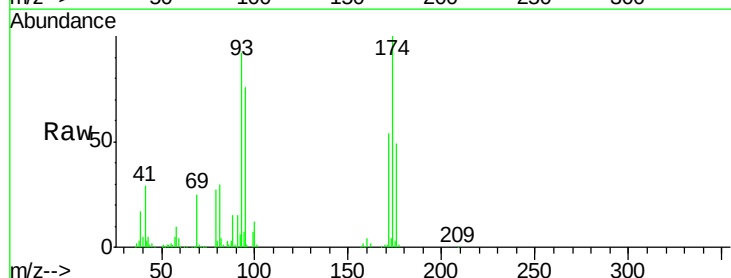
Manual Integrations
 APPROVED

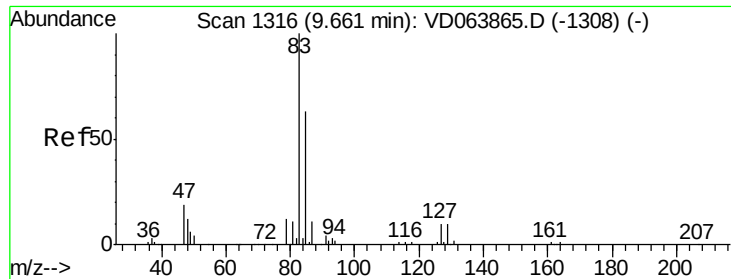
MMDadoda
 10/3/2019 12:55:32 PM



#46
 Dibromomethane
 Concen: 158.283 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.0	99.0
174	108.1	83.4	125.0





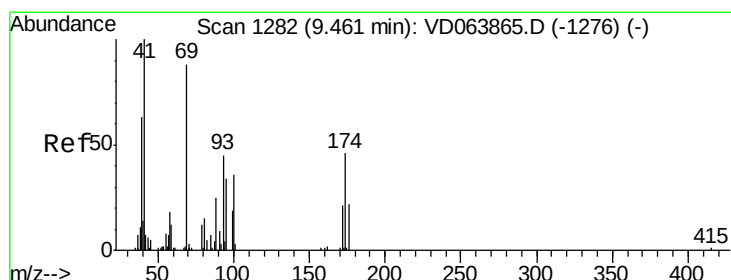
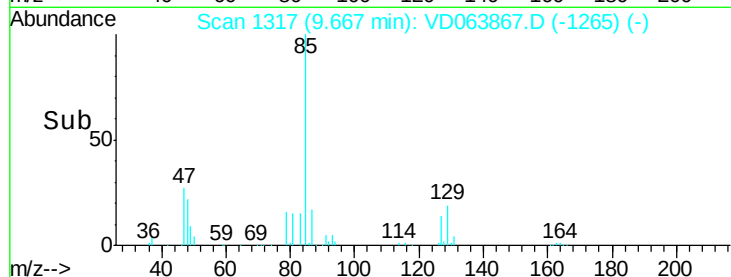
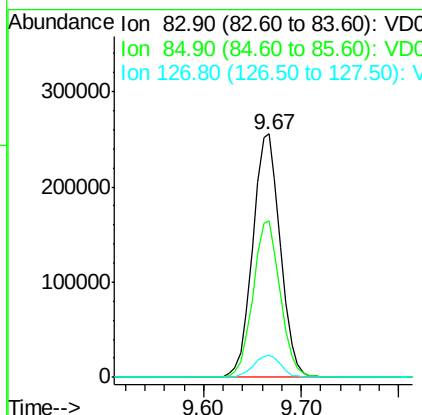
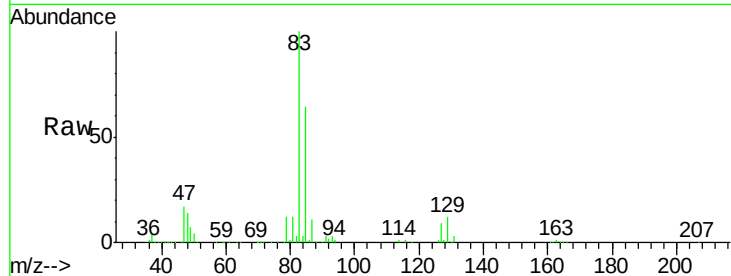
#47
Bromodichloromethane
Concen: 160.010 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	507781		
85	64.3		50.2	75.2
127	9.0		7.6	11.4

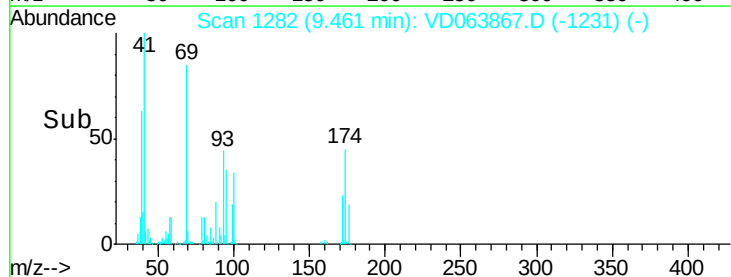
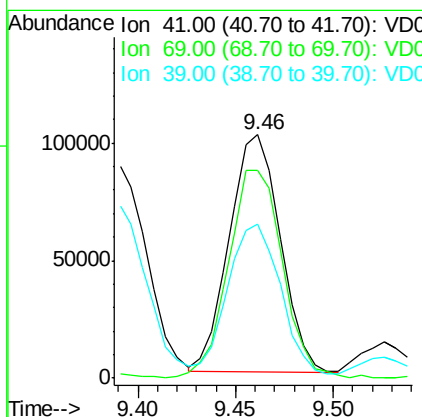
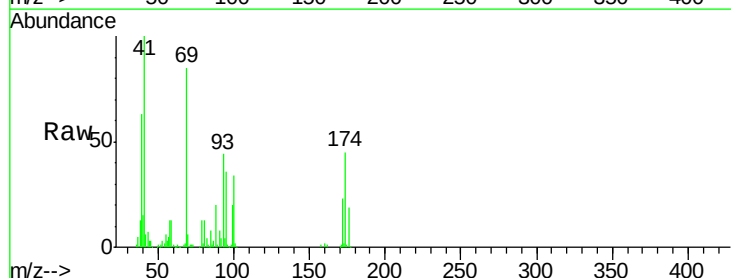
Manual Integrations
APPROVED

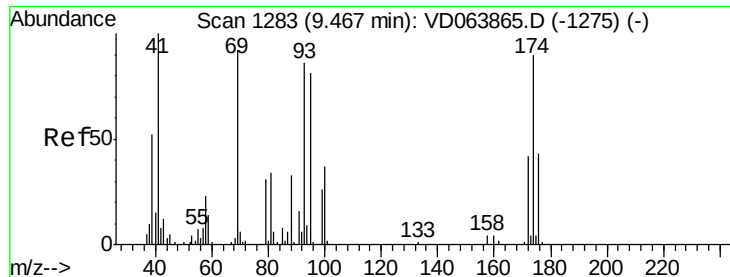
MMDadoda
10/3/2019 12:55:32 PM



#48
Methyl methacrylate
Concen: 149.745 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	183127		
69	92.3		75.1	112.7
39	68.5		50.2	75.2





#49

1,4-Dioxane

Concen: 2903.840 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 50818

Ion Ratio Lower Upper

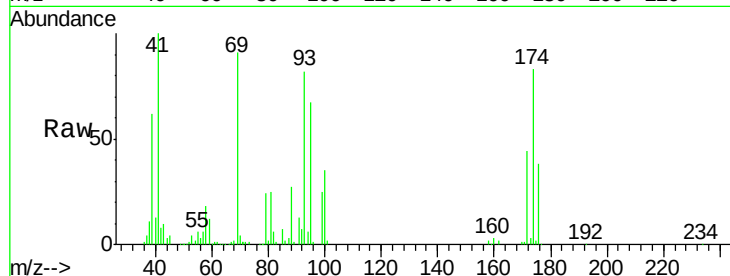
88 100

43 35.3 27.6 41.4

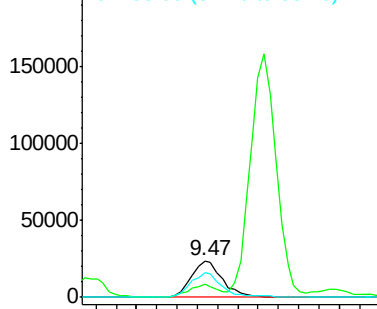
58 68.1 54.1 81.1

Manual Integrations
APPROVED

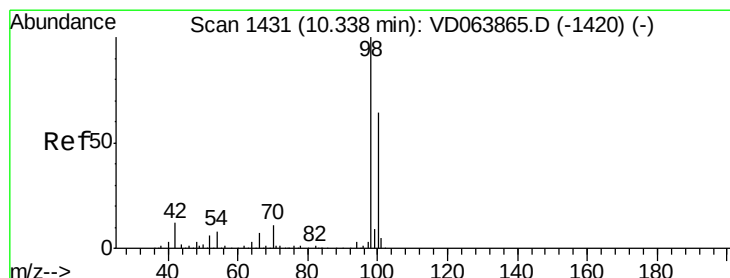
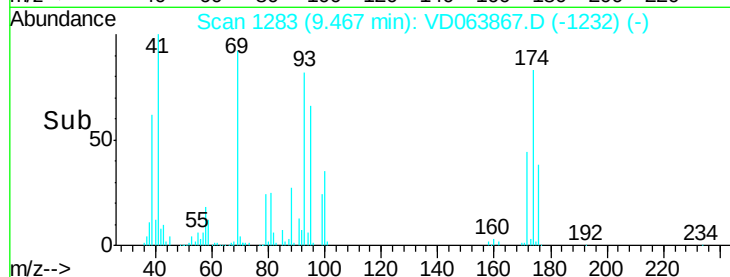
MMDadoda
10/3/2019 12:55:32 PM



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 162.954 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063867.D

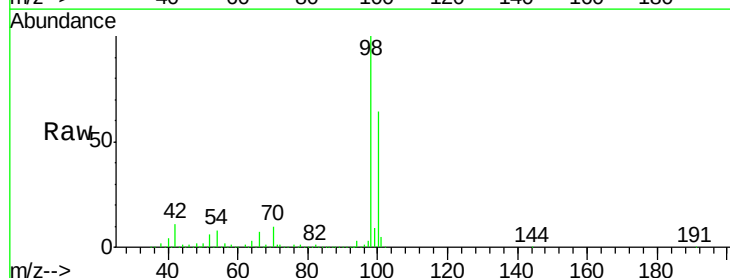
Acq: 02 Oct 2019 18:40

Tgt Ion: 98 Resp: 1367139

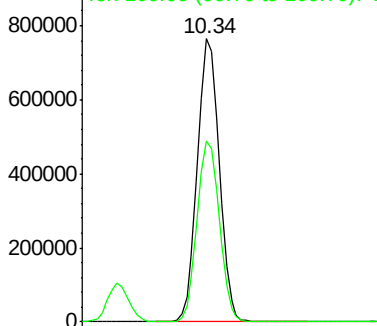
Ion Ratio Lower Upper

98 100

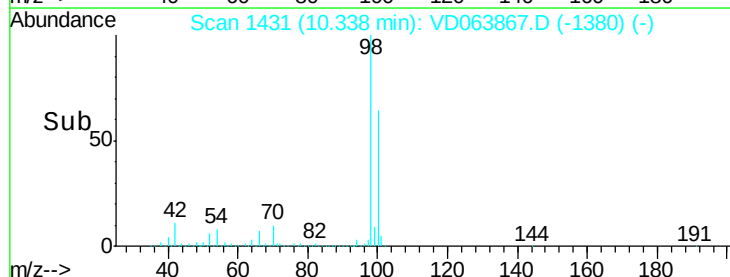
100 65.0 52.1 78.1

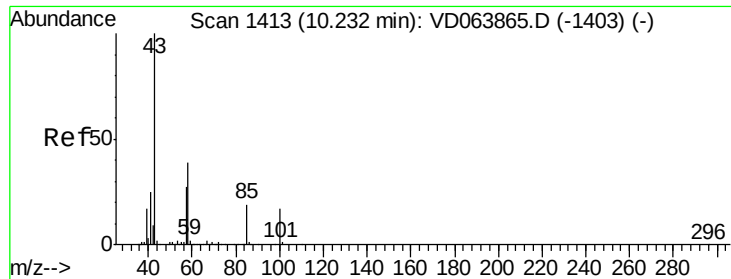


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time-->





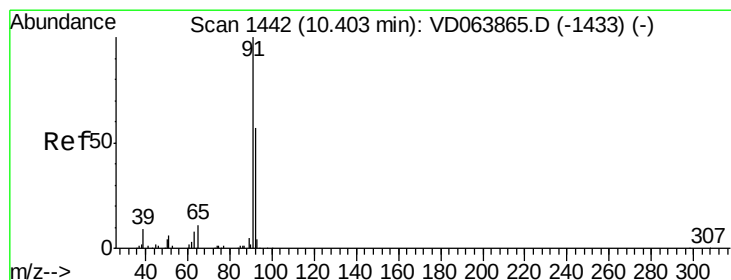
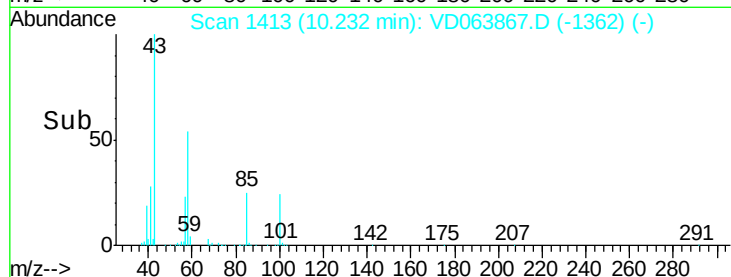
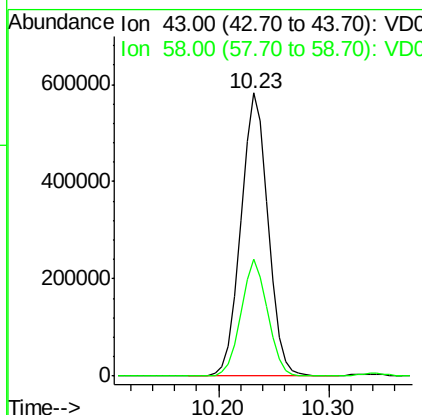
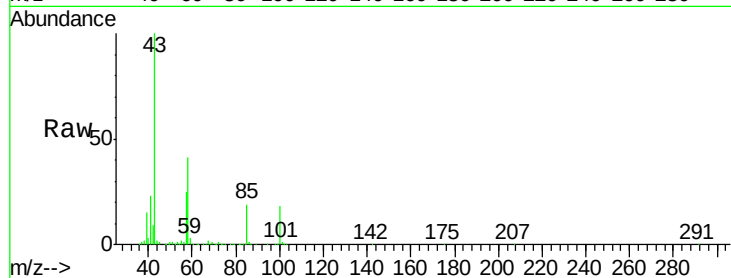
#51
4-Methyl-2-Pentanone
Concen: 740.746 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1007925
Ion Ratio Lower Upper
43 100
58 40.4 33.0 49.4

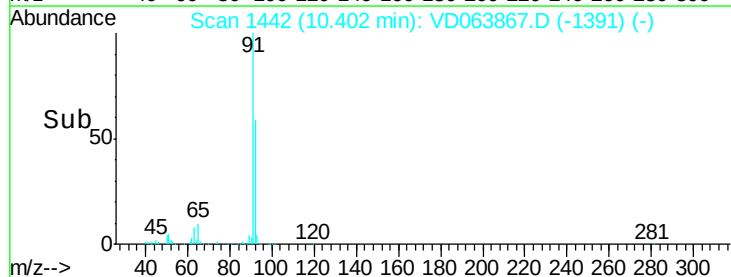
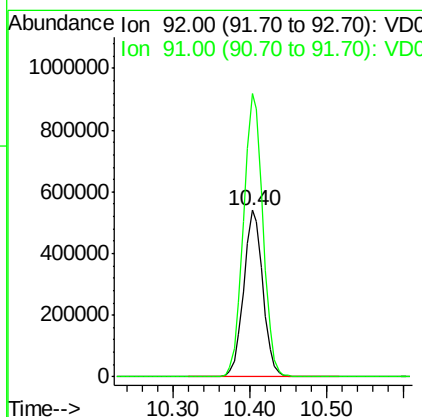
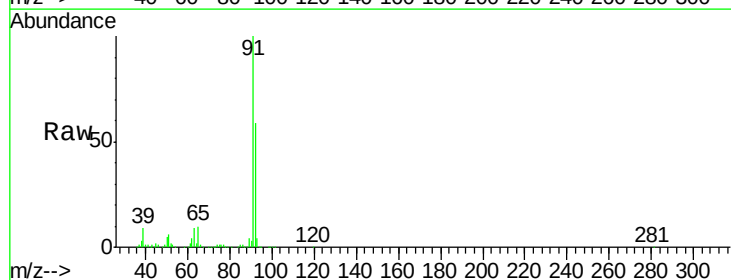
Manual Integrations
APPROVED

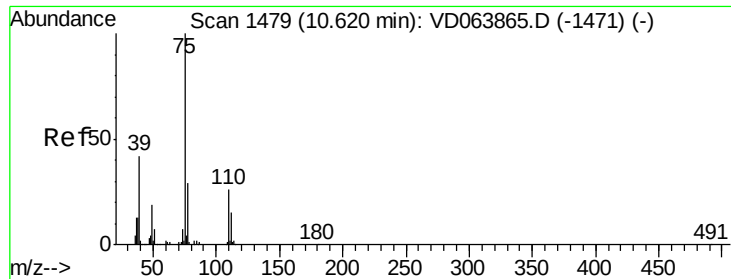
MMDadoda
10/3/2019 12:55:32 PM



#52
Toluene
Concen: 157.158 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 92 Resp: 943306
Ion Ratio Lower Upper
92 100
91 172.8 139.5 209.3





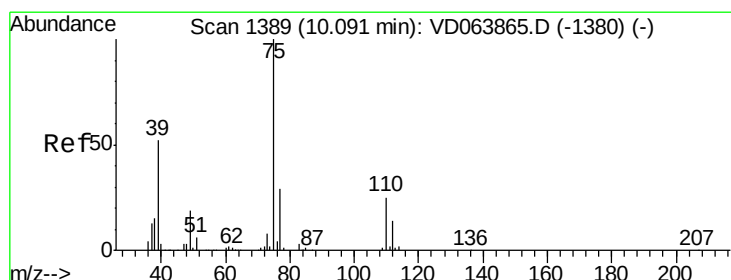
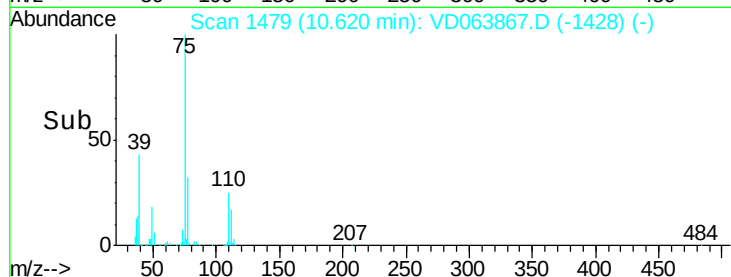
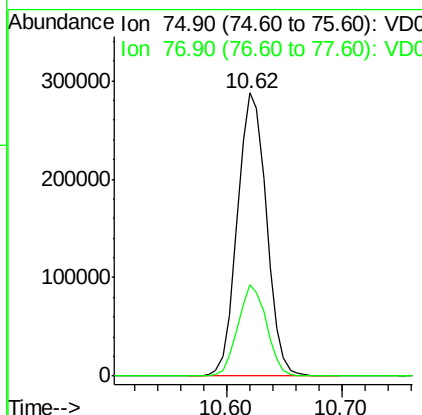
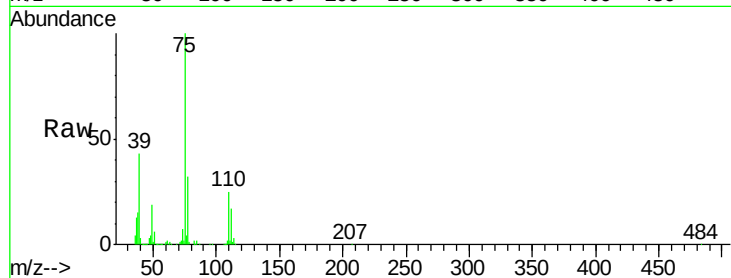
#53
t-1,3-Dichloropropene
Concen: 159.752 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.8	34.2

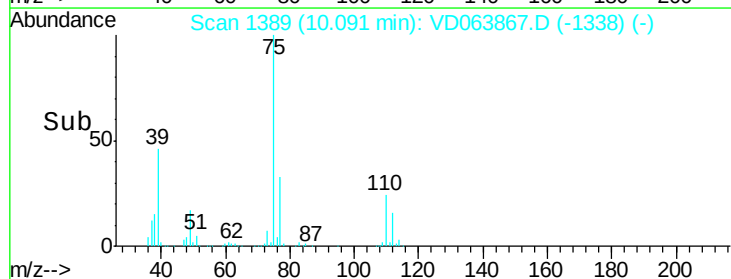
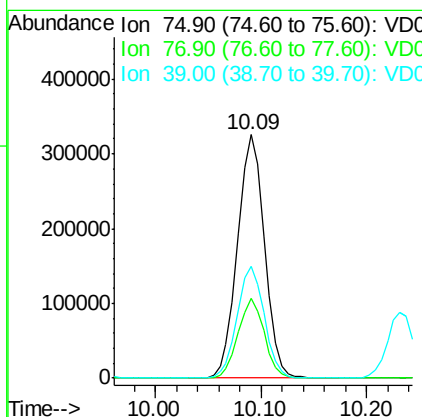
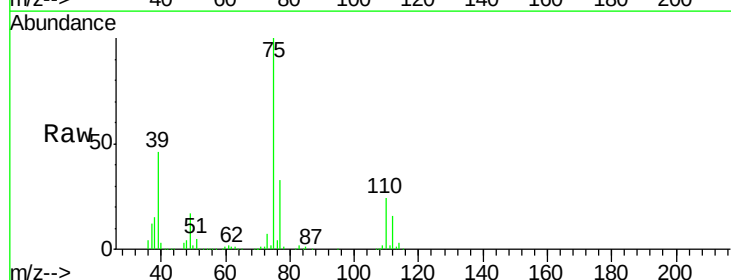
Manual Integrations
APPROVED

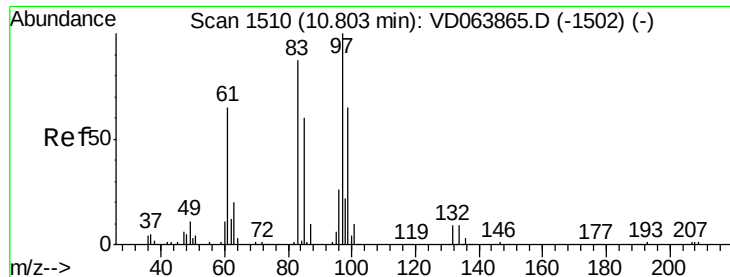
MMDadoda
10/3/2019 12:55:32 PM



#54
cis-1,3-Dichloropropene
Concen: 161.523 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	23.2	34.8
39	46.1	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 159.103 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

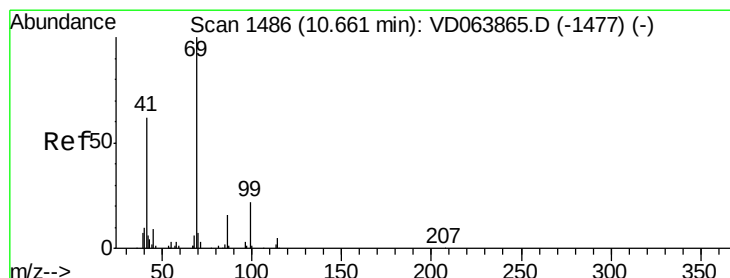
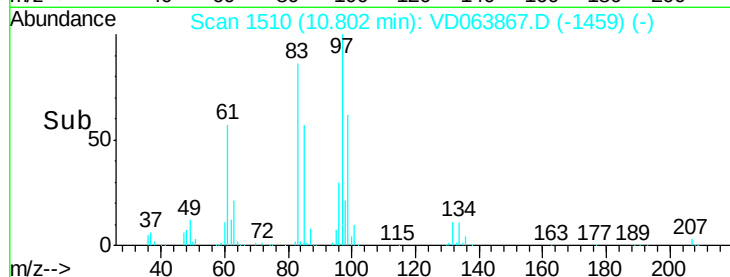
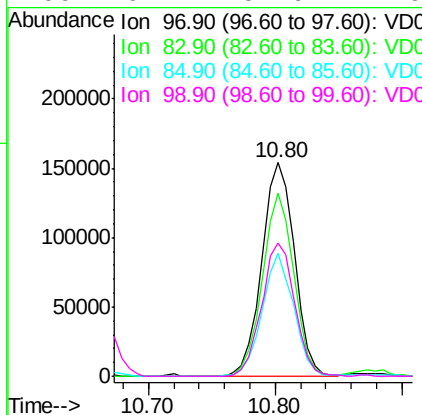
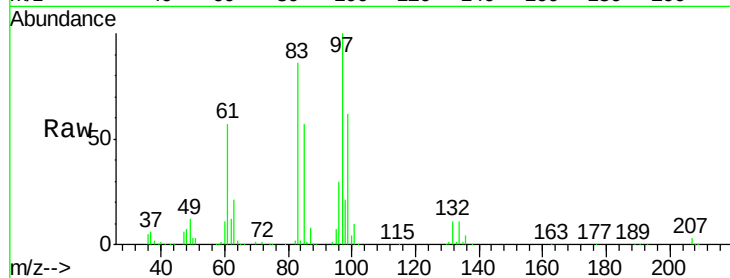
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	276747
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	57.4	48.1	72.1
99	62.2	51.9	77.9

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:32 PM



#56

Ethyl methacrylate

Concen: 158.724 ug/l

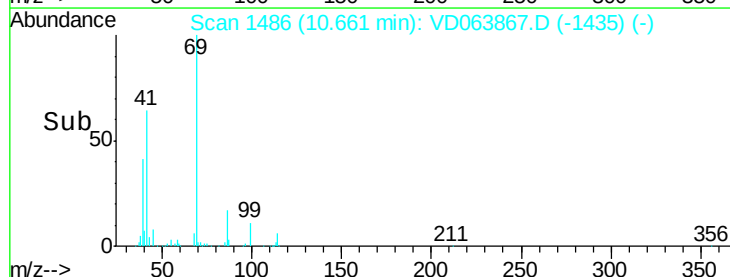
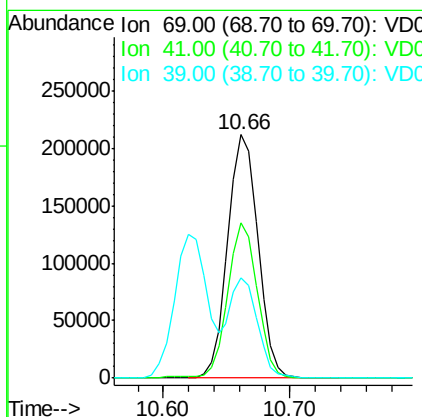
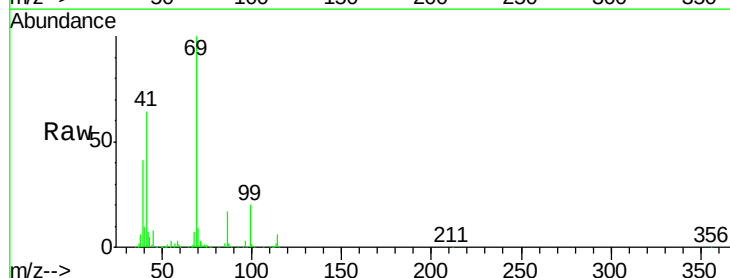
RT: 10.66 min Scan# 1486

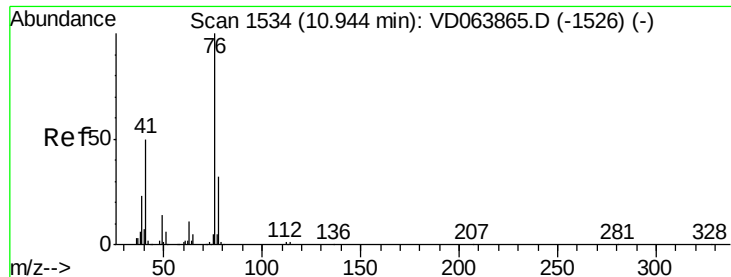
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	69	Resp:	352033
Ion	Ratio	Lower	Upper
69	100		
41	61.3	51.3	76.9
39	38.6	28.0	42.0





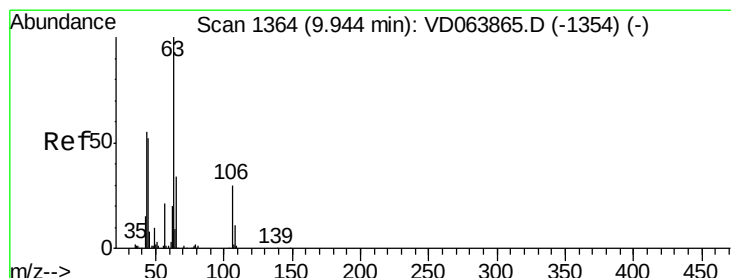
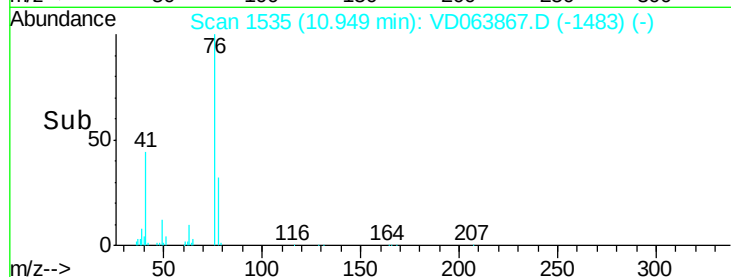
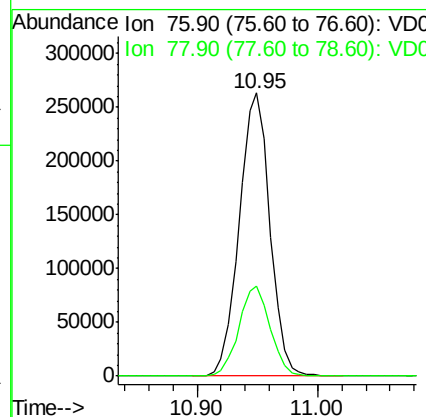
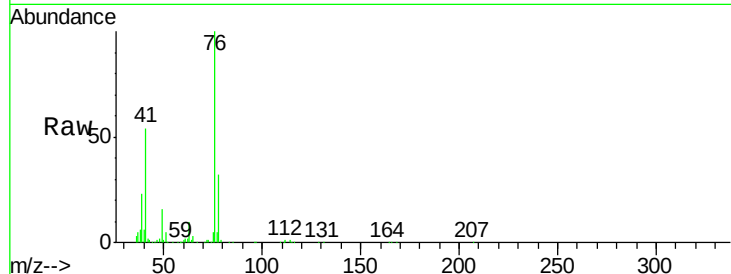
#57
 1,3-Dichloropropane
 Concen: 156.676 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 466172
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.6 40.0

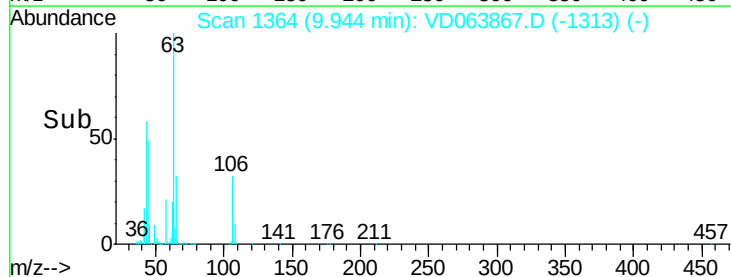
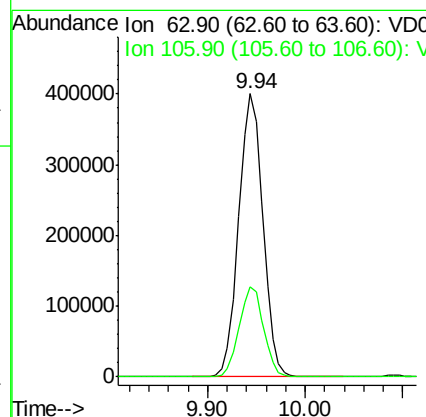
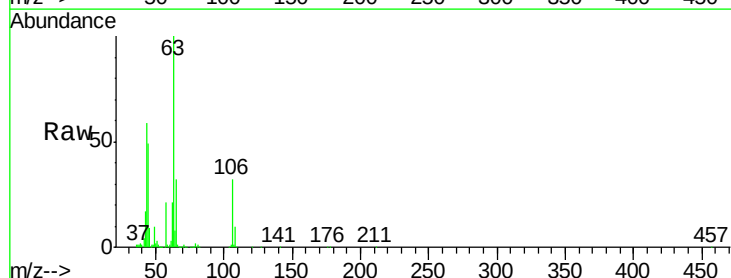
Manual Integrations
 APPROVED

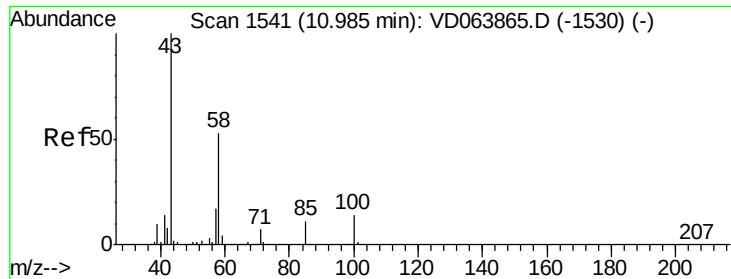
MMDadoda
 10/3/2019 12:55:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 698.147 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 63 Resp: 691772
 Ion Ratio Lower Upper
 63 100
 106 32.1 24.3 36.5





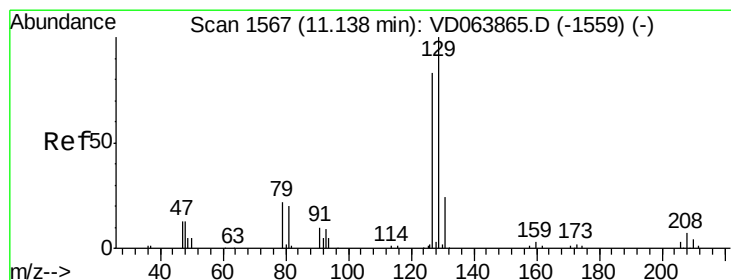
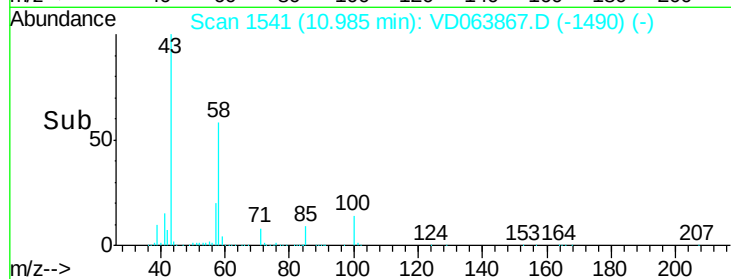
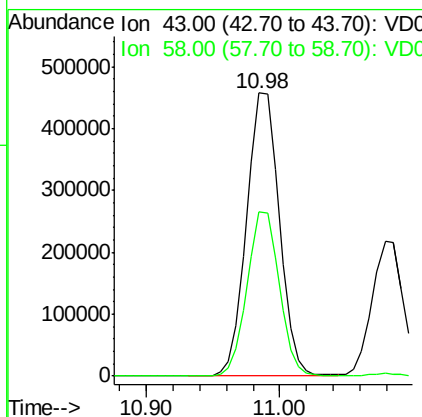
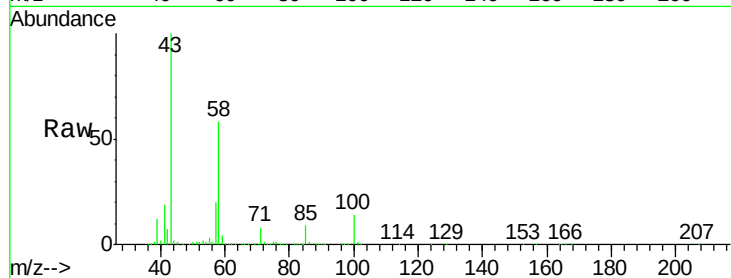
#59
2-Hexanone
Concen: 788.126 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 777705
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.0

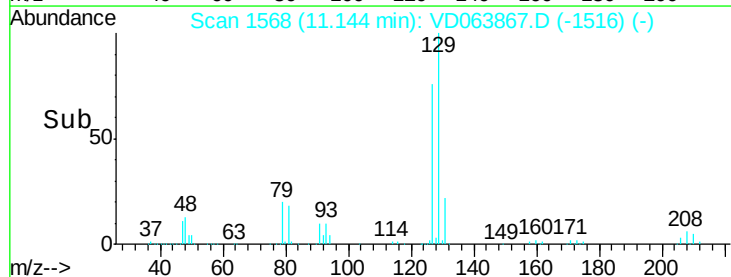
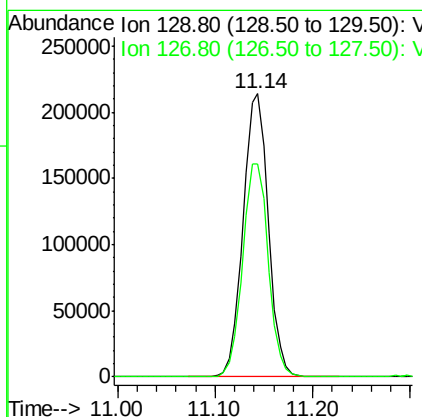
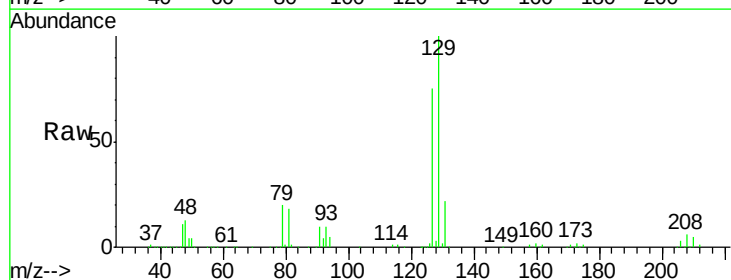
Manual Integrations
APPROVED

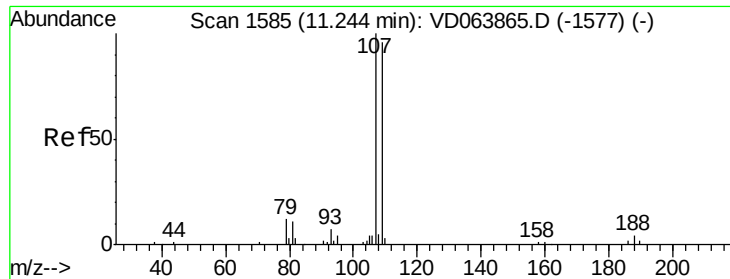
MMDadoda
10/3/2019 12:55:32 PM



#60
Dibromochloromethane
Concen: 168.639 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 129 Resp: 387544
Ion Ratio Lower Upper
129 100
127 76.5 39.9 119.6





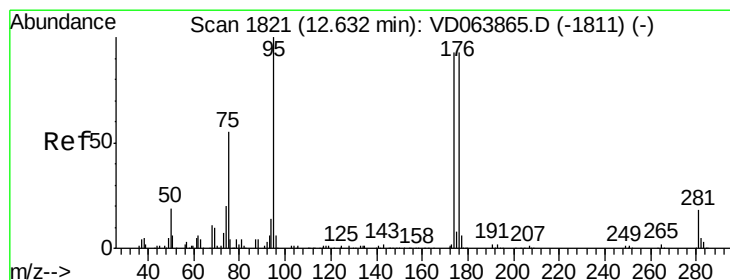
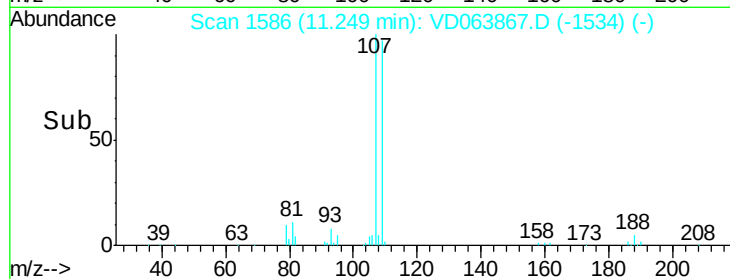
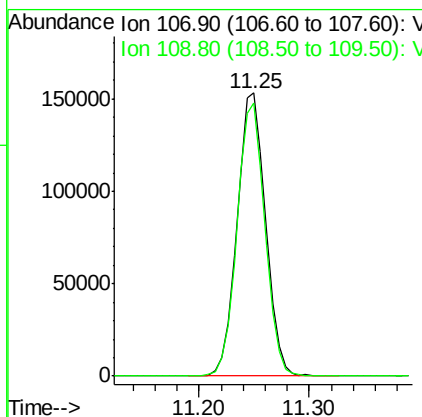
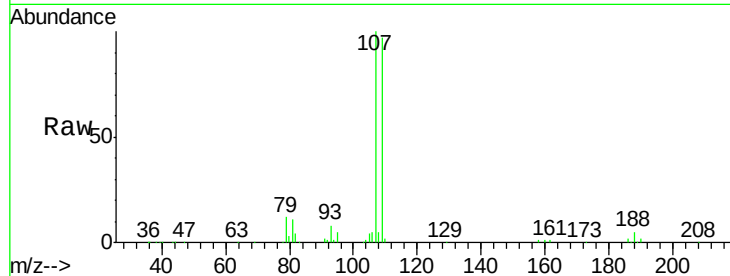
#61
 1,2-Dibromoethane
 Concen: 158.830 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	277194		
109	94.5	75.2	112.8	

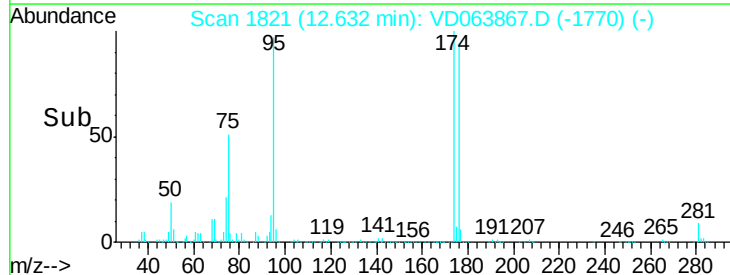
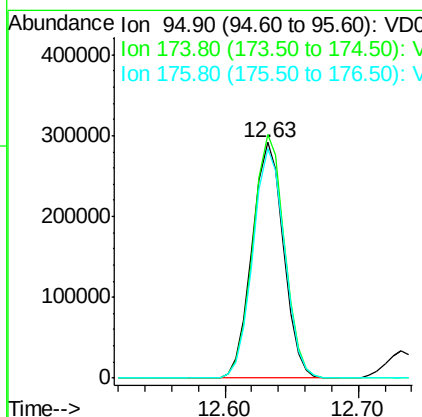
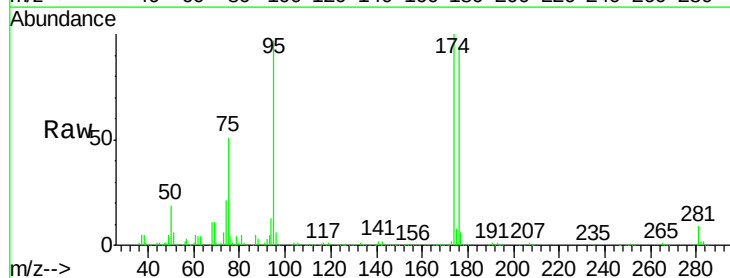
Manual Integrations
 APPROVED

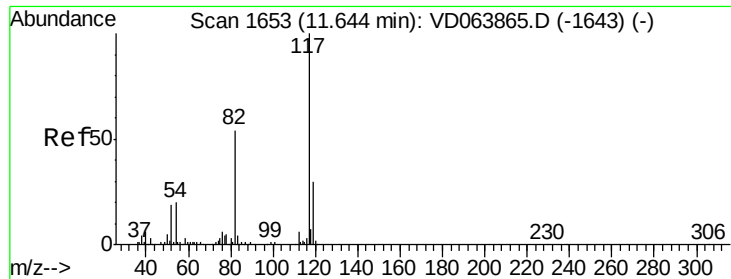
MMDadoda
 10/3/2019 12:55:32 PM



#62
 4-Bromofluorobenzene
 Concen: 156.501 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	473135		
174	103.5	0.0	186.4	
176	98.1	0.0	184.2	





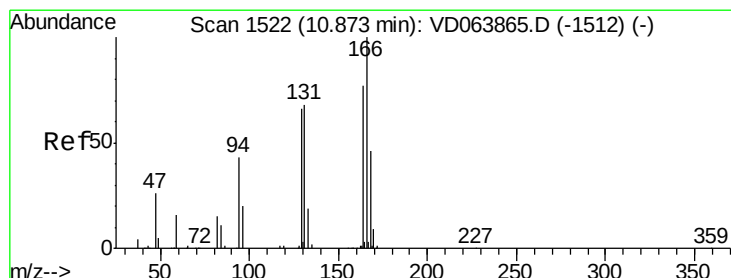
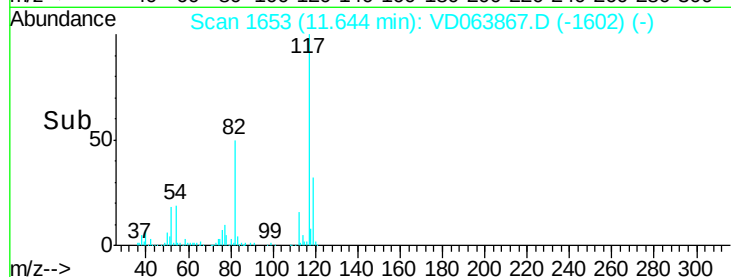
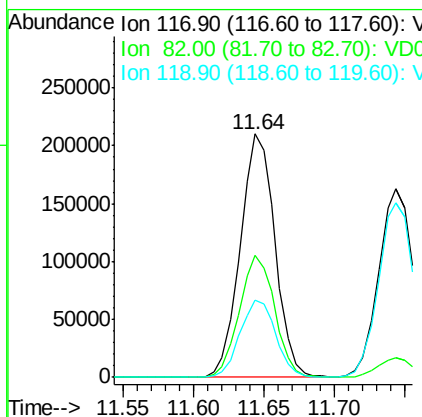
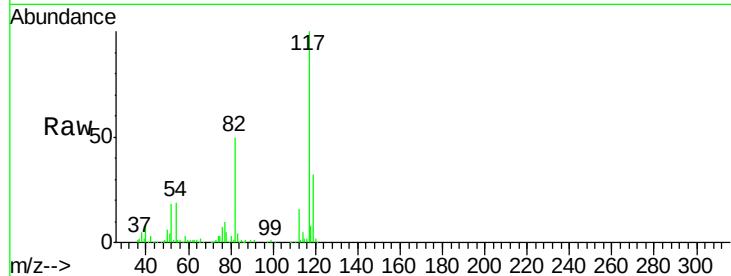
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	362353		
82	49.9	42.8	64.2	
119	31.9	24.4	36.6	

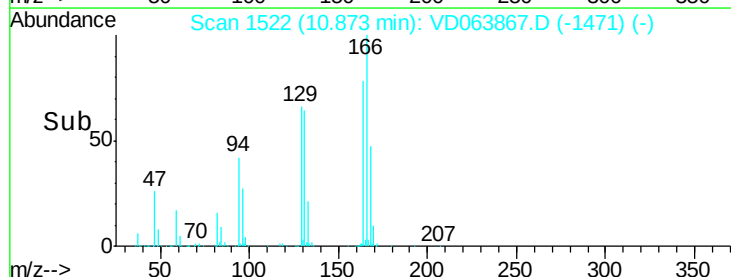
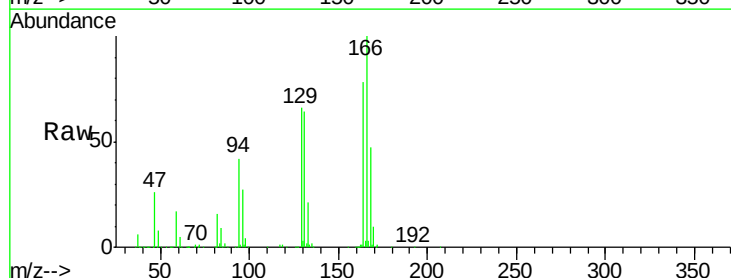
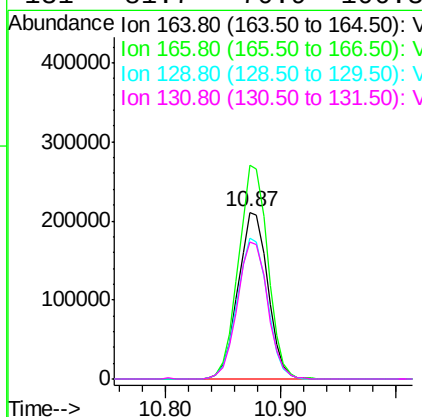
Manual Integrations
APPROVED

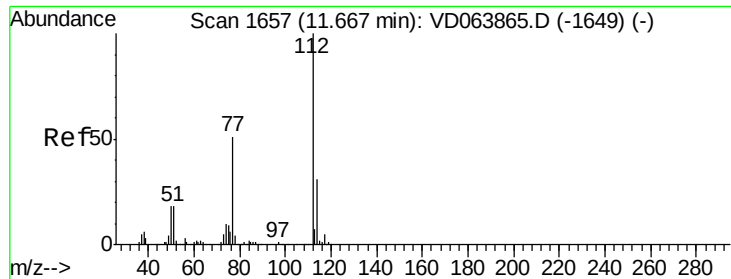
MMDadoda
10/3/2019 12:55:32 PM



#64
Tetrachloroethene
Concen: 156.531 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	378493		
166	127.9	103.8	155.6	
129	84.4	68.9	103.3	
131	81.7	70.9	106.3	





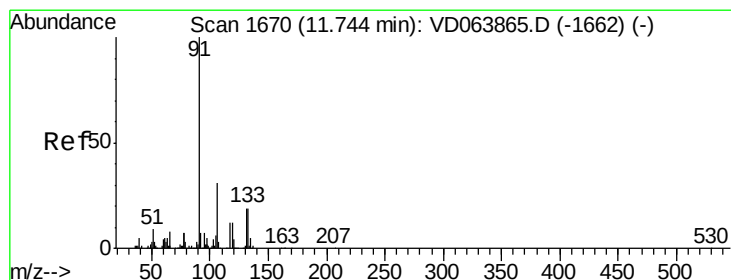
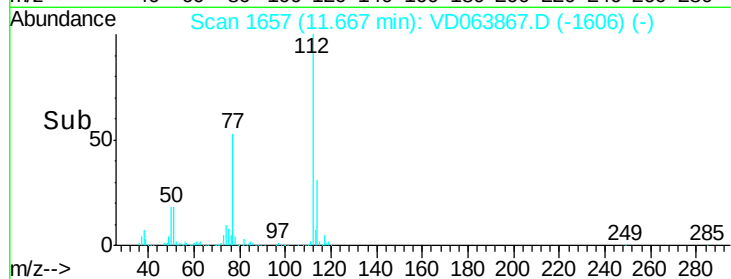
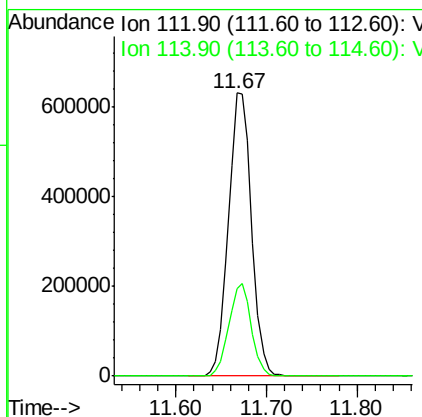
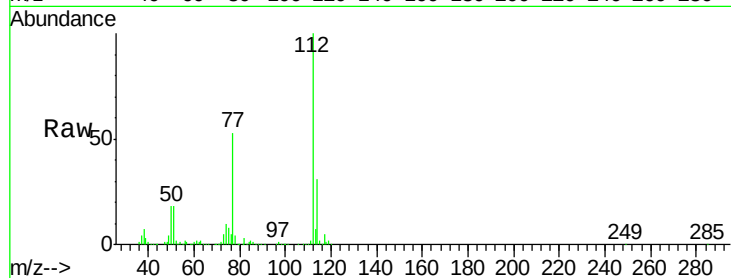
#65
Chlorobenzene
Concen: 153.923 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1115973
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

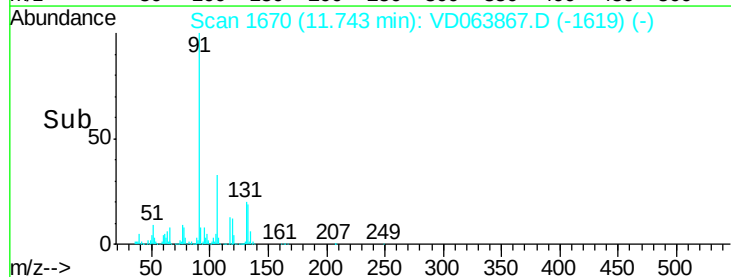
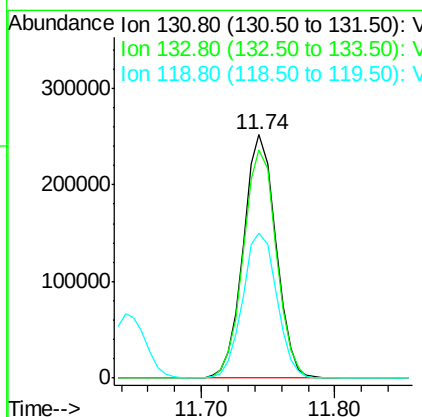
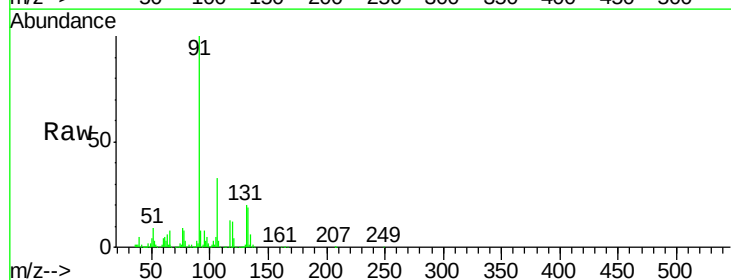
Manual Integrations
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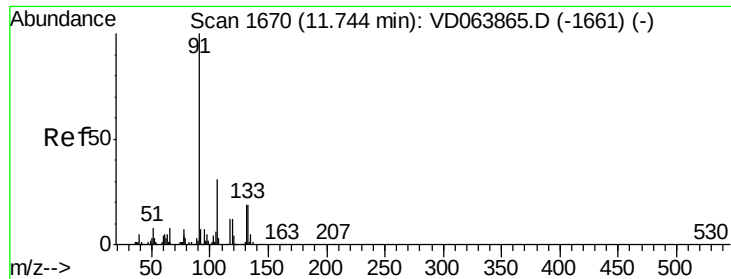
MMDadoda
10/3/2019 12:55:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 159.748 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion:131 Resp: 424941
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.7
119 62.2 32.6 97.8





#67

Ethyl Benzene

Concen: 152.971 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1993180

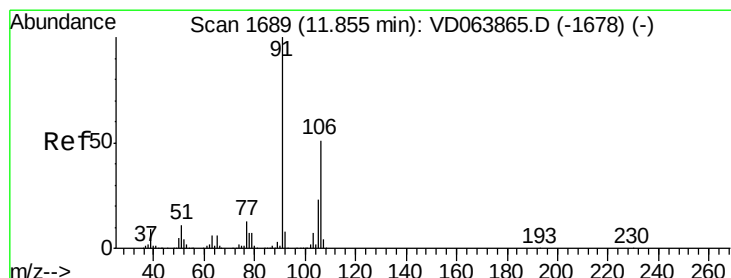
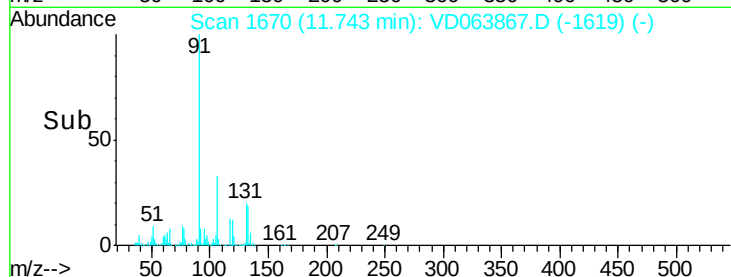
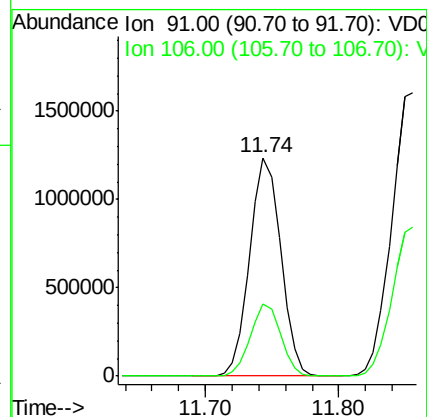
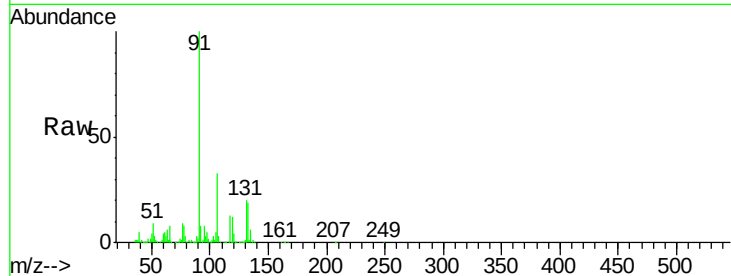
Ion Ratio Lower Upper

91 100

106 32.8 24.6 37.0

Manual Integrations
APPROVED

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10/3/2019 12:55:32 PM



#68

m/p-Xylenes

Concen: 311.229 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063867.D

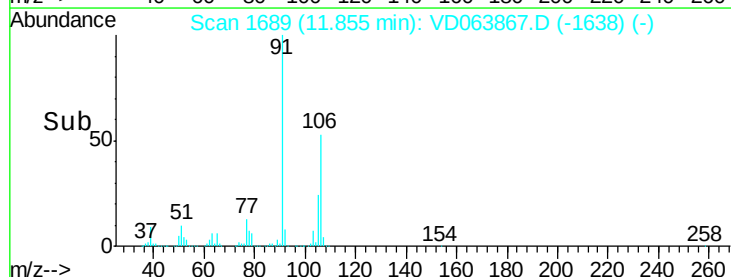
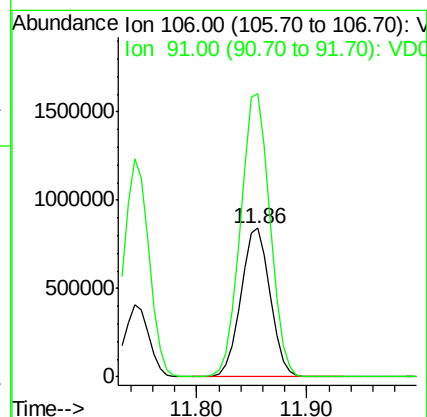
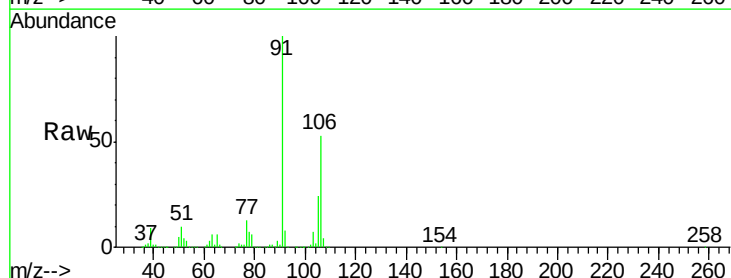
Acq: 02 Oct 2019 18:40

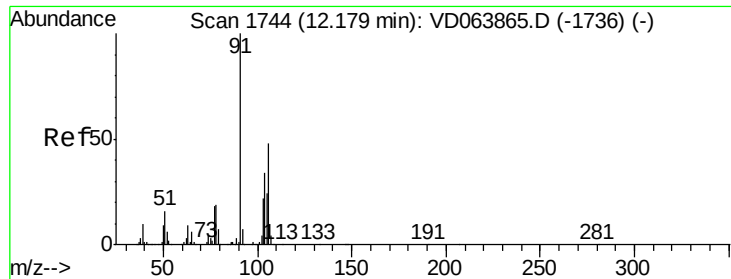
Tgt Ion: 106 Resp: 1565056

Ion Ratio Lower Upper

106 100

91 192.5 154.8 232.2





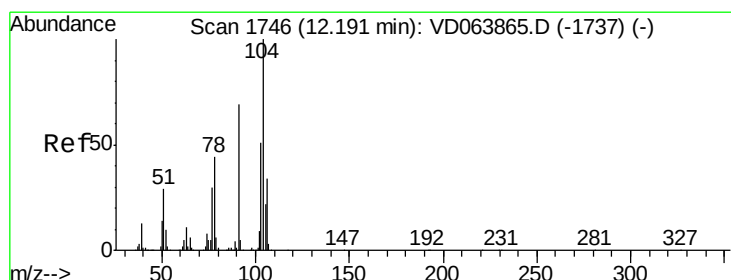
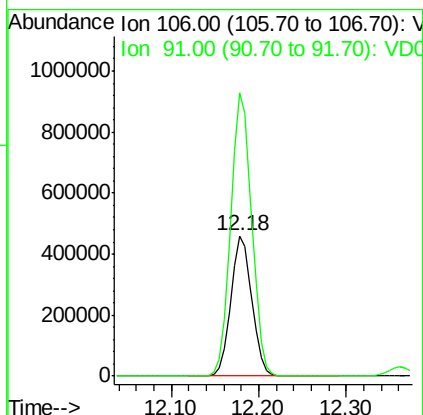
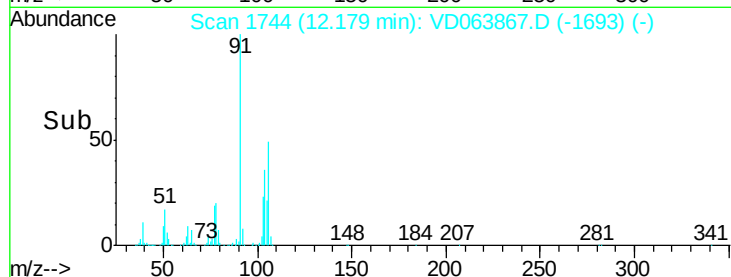
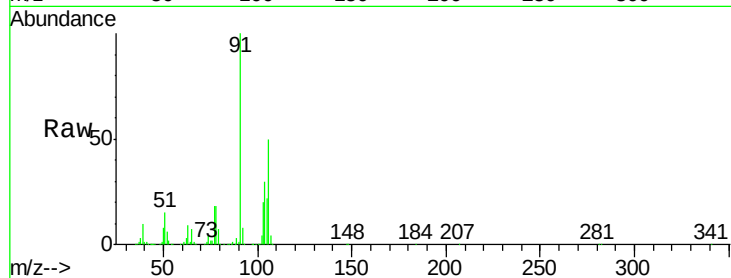
#69
o-Xylene
Concen: 157.412 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.9	103.9	311.7

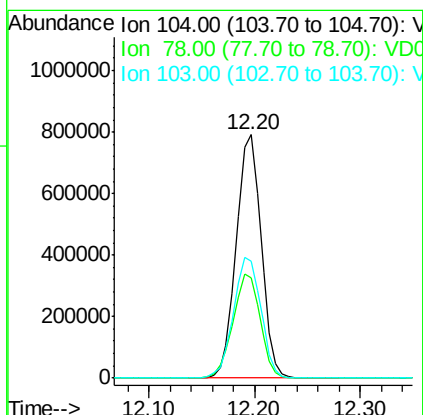
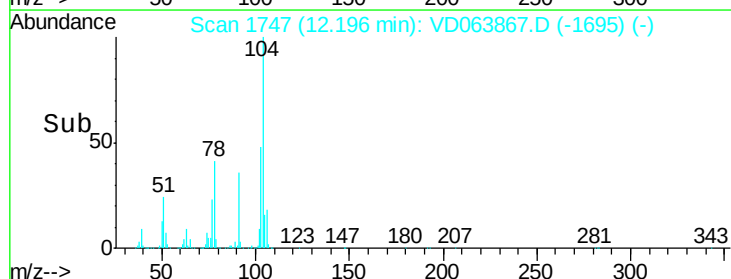
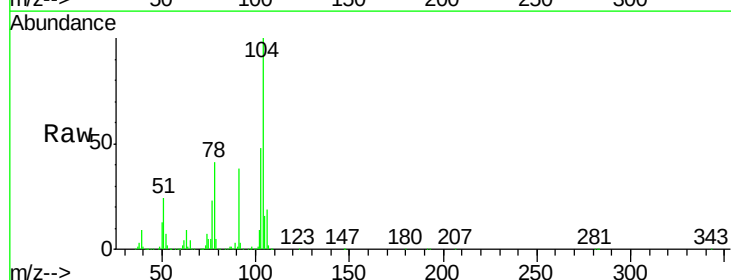
Manual Integrations
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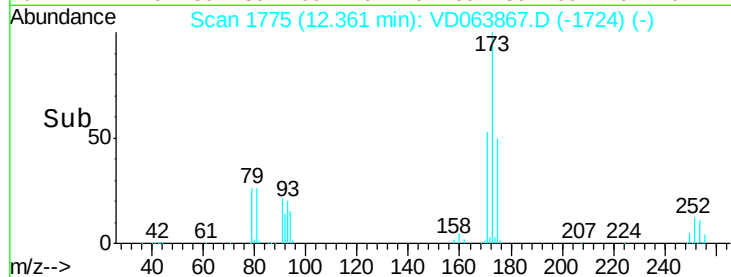
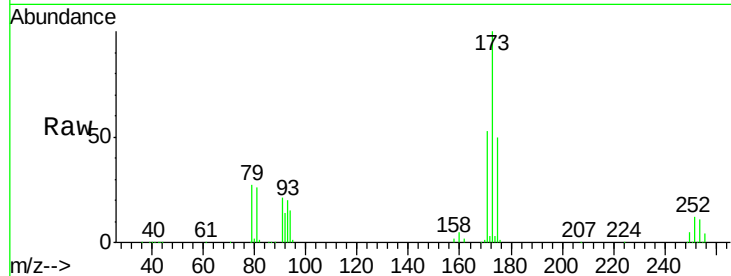
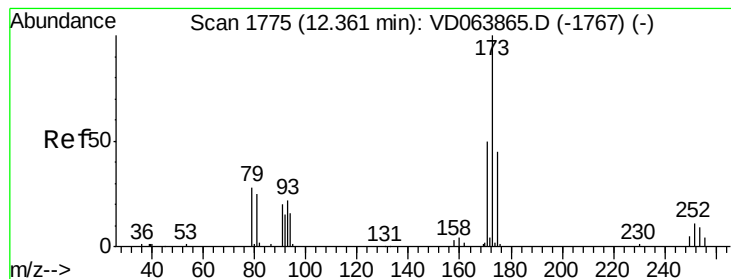
MMDadoda
10/3/2019 12:55:32 PM



#70
Styrene
Concen: 160.800 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.0	55.4
103	54.3	44.2	66.4





#71

Bromoform

Concen: 163.743 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tot Ion:	173	Resp:	240884
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.6	74.0
254	0.1	0.0	0.0#

Instrument :

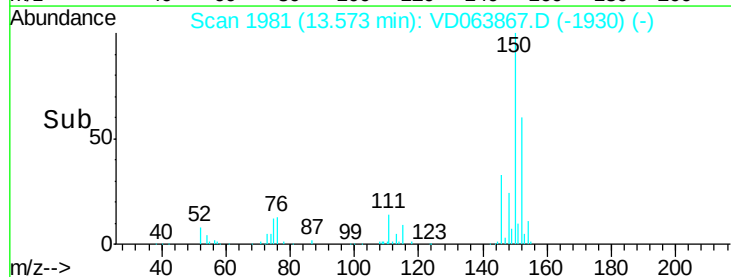
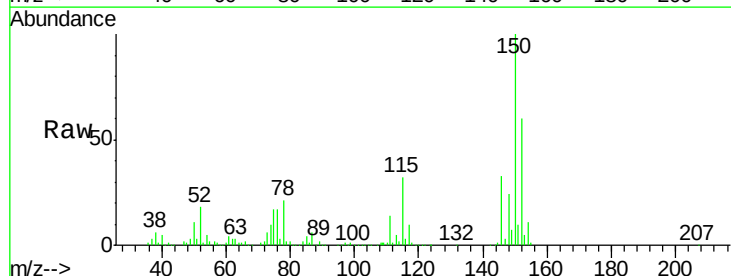
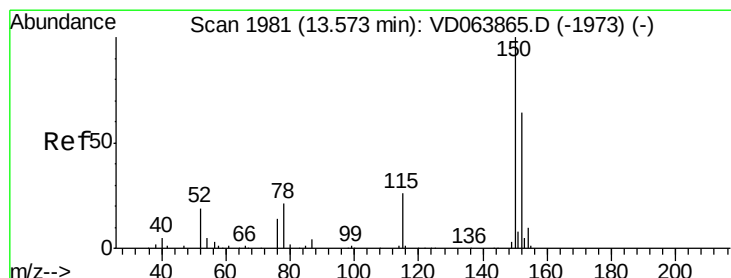
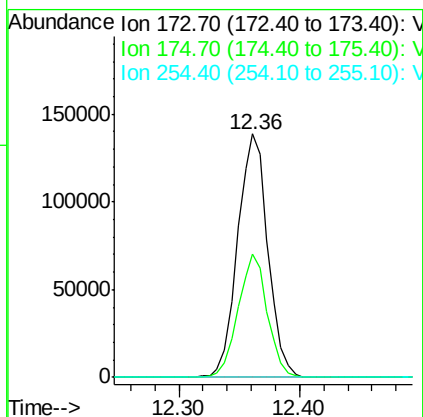
MSVOA_D

ClientSampleId :

VSTDIC150

Manual Integrations
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10/3/2019 12:55:32 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

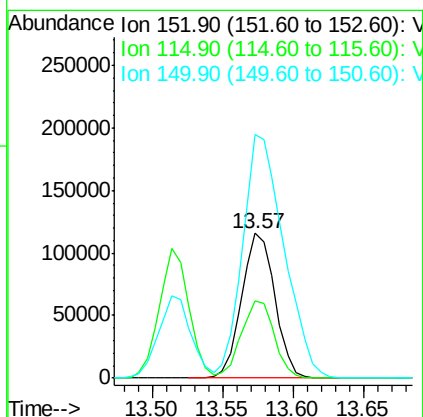
RT: 13.57 min Scan# 1981

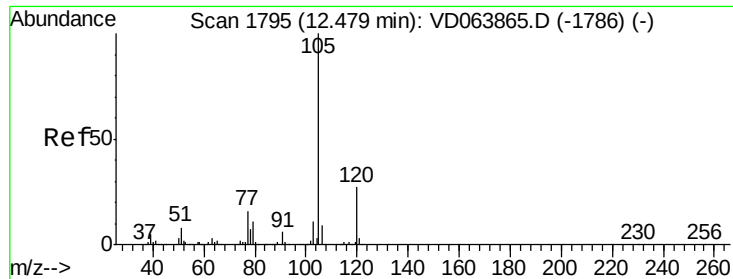
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	152	Resp:	190963
Ion Ratio	Lower	Upper	
152	100		
115	52.8	25.9	77.7
150	208.6	0.0	344.2





#73

Isopropylbenzene

Concen: 149.631 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1932715

Ion Ratio Lower Upper

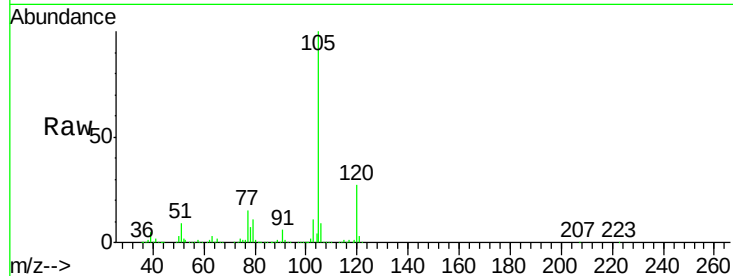
105 100

120 27.4 13.3 39.8

Manual Integrations
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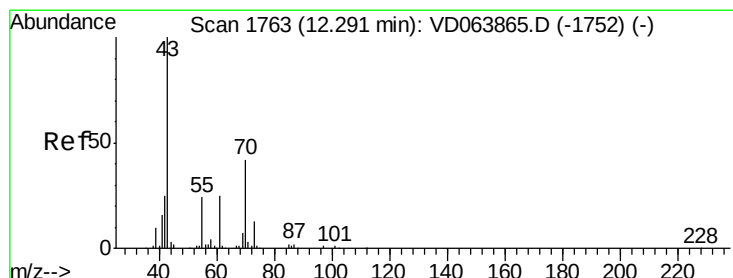
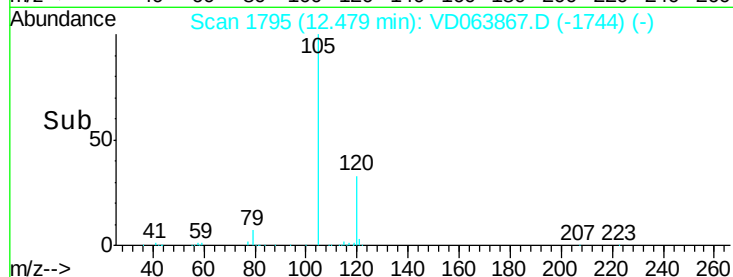
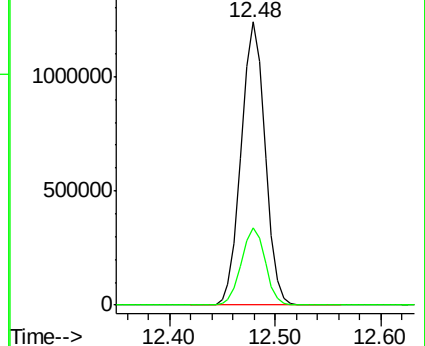
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 140.190 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion: 43 Resp: 397632

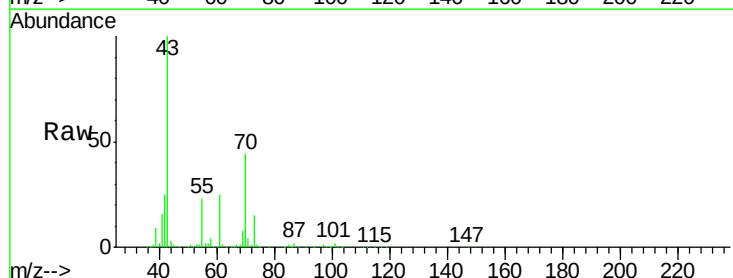
Ion Ratio Lower Upper

43 100

70 44.7 35.8 53.6

55 23.2 19.4 29.0

61 25.5 20.4 30.6

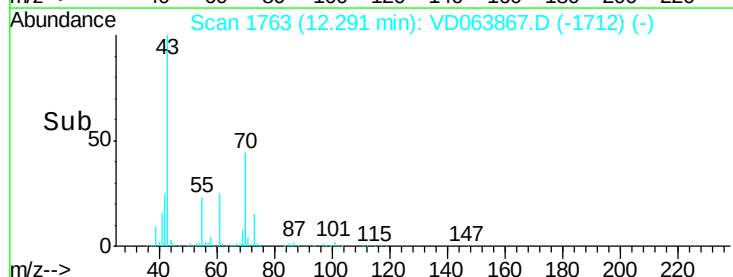
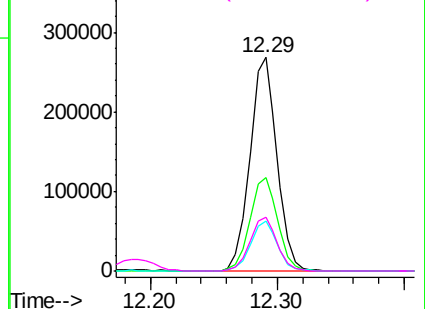


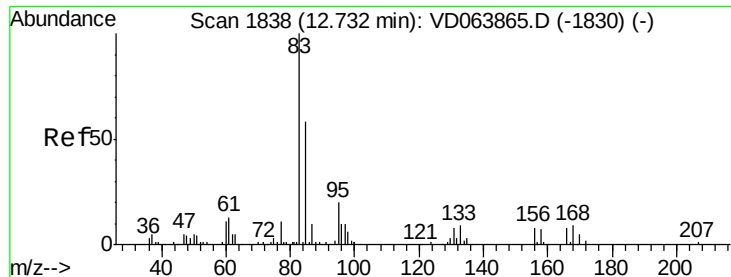
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 145.889 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

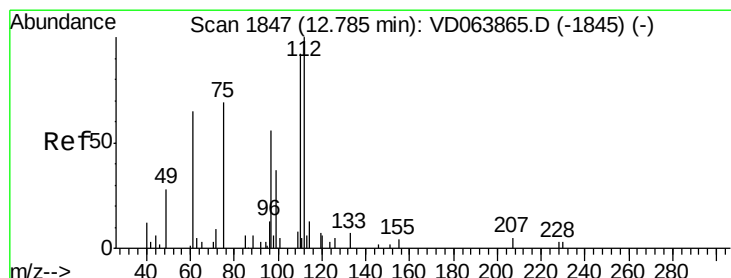
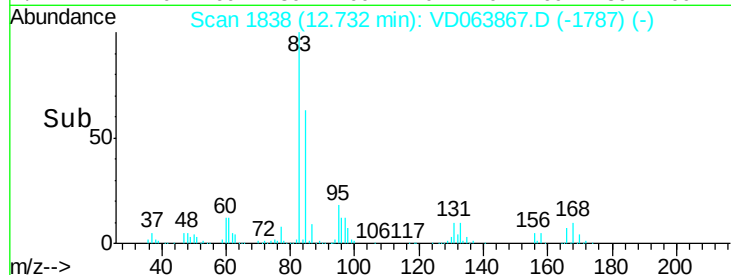
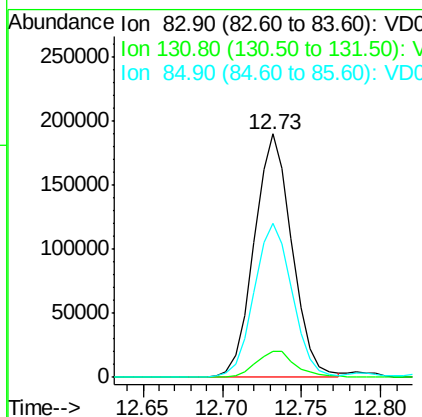
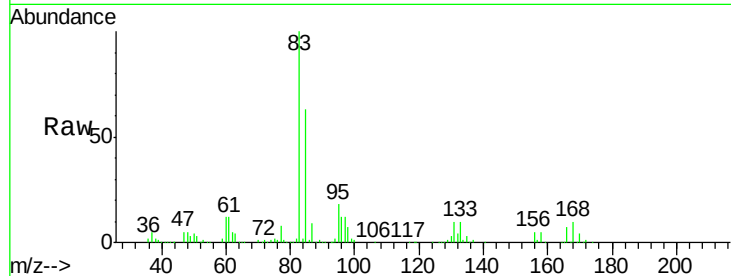
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	315361
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	63.7	32.3	96.8

Manual Integrations
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10/3/2019 12:55:32 PM



#76

1,2,3-Trichloropropane

Concen: 130.606 ug/l m

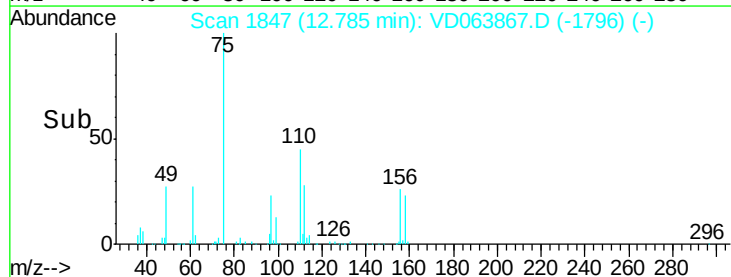
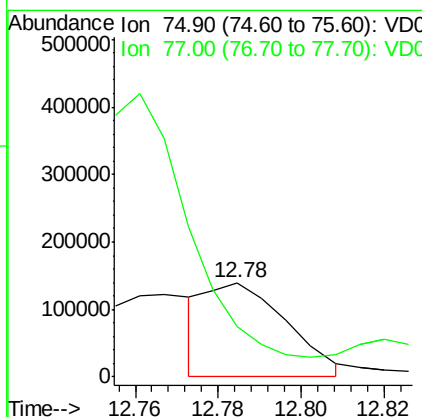
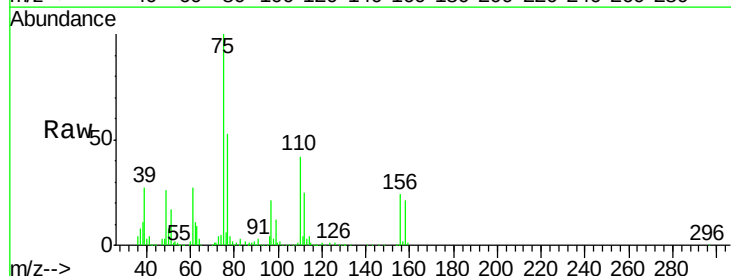
RT: 12.78 min Scan# 1847

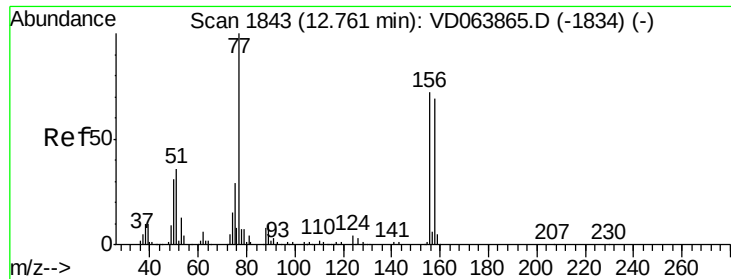
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	75	Resp:	188086
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 162.986 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

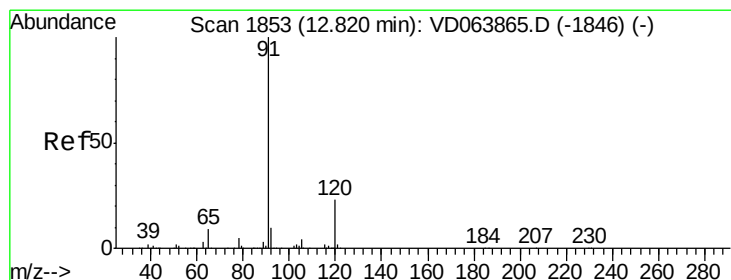
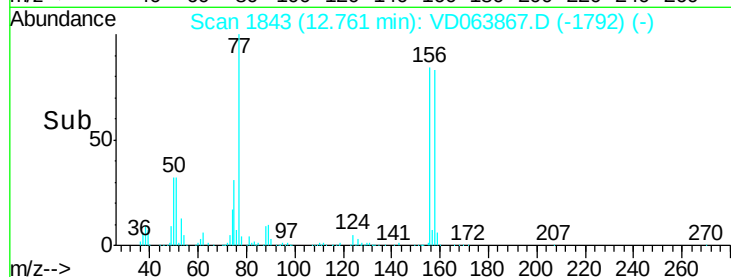
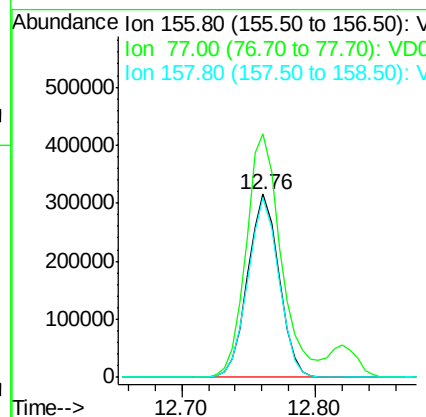
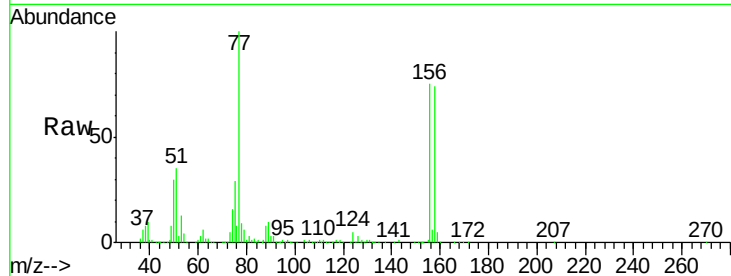
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	508686
Ion Ratio	Lower	Upper	
156	100		
77	148.5	80.3	241.0
158	97.5	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 147.400 ug/l

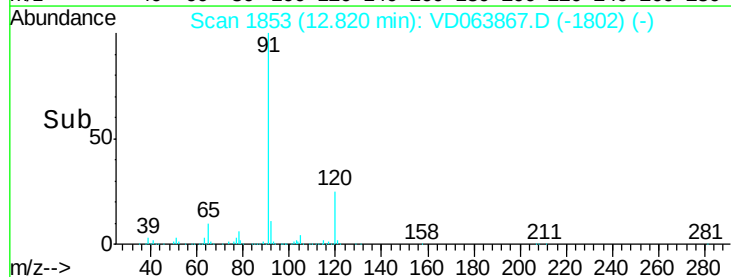
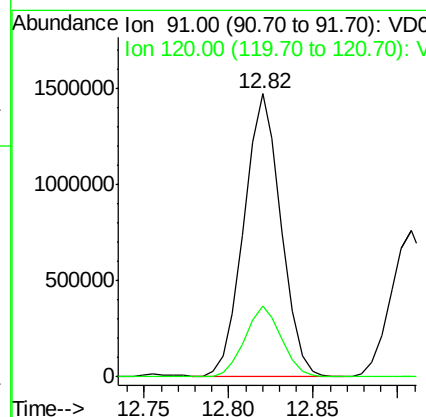
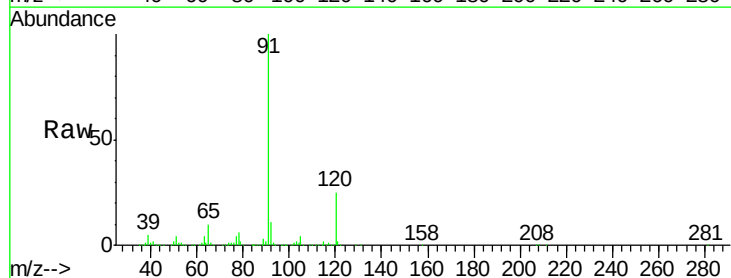
RT: 12.82 min Scan# 1853

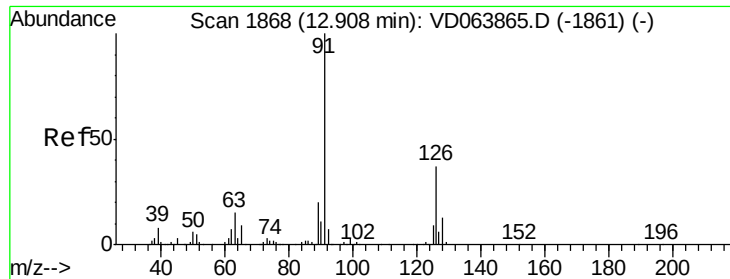
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	91	Resp:	2241844
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.0	36.0





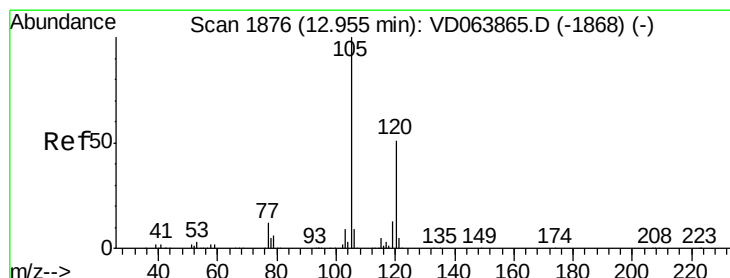
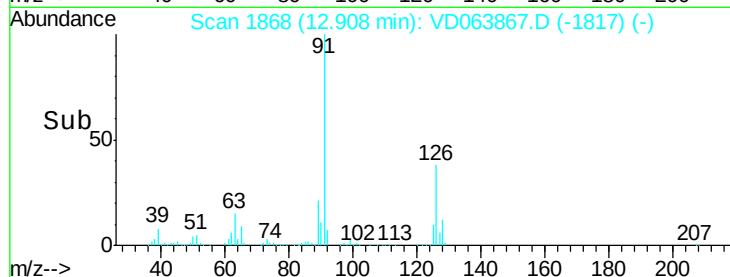
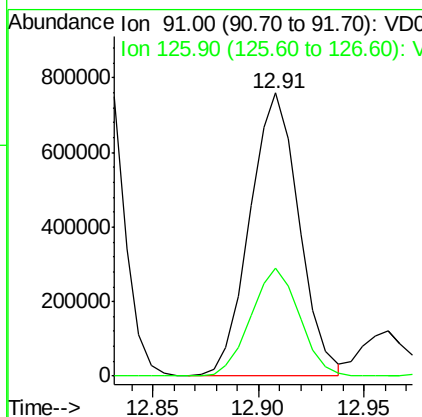
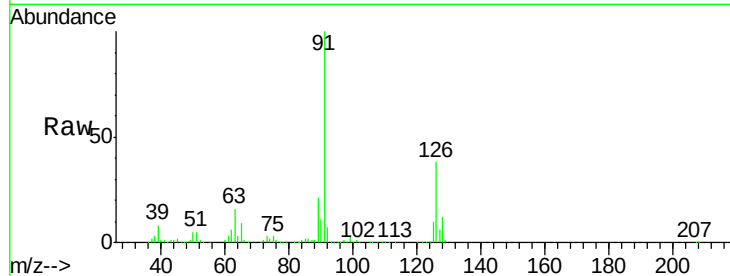
#79
 2-Chlorotoluene
 Concen: 149.984 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1229021
 Ion Ratio Lower Upper
 91 100
 126 37.9 18.4 55.2

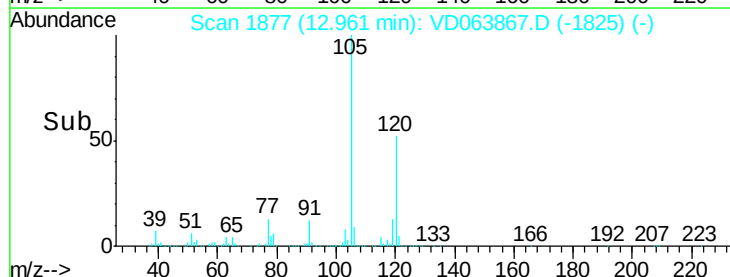
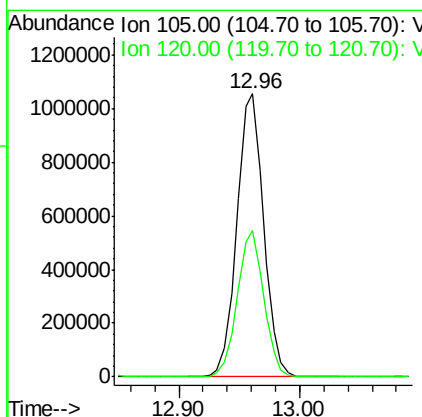
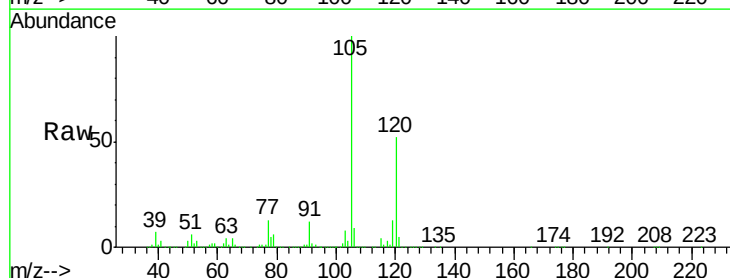
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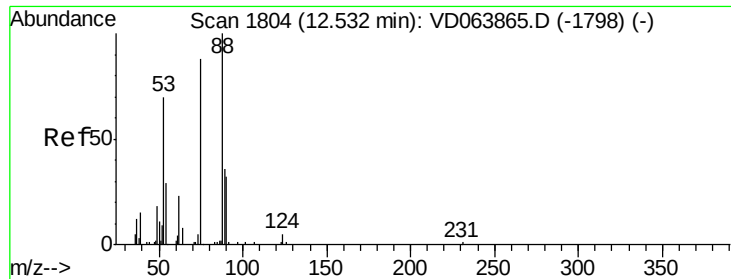
MMDadoda
 10/3/2019 12:55:32 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 151.209 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 105 Resp: 1627149
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 145.144 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC150

Tot Ion: 75 Resp: 104907

Ion Ratio Lower Upper

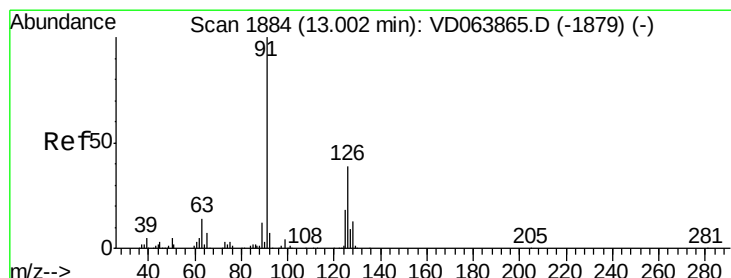
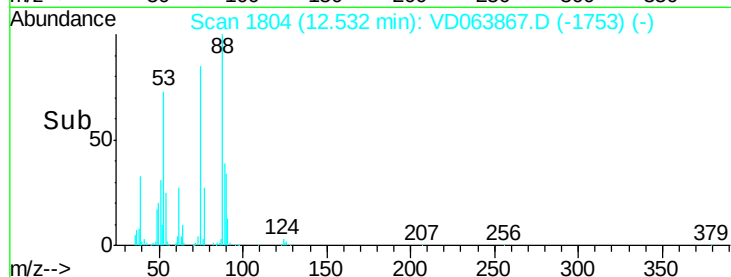
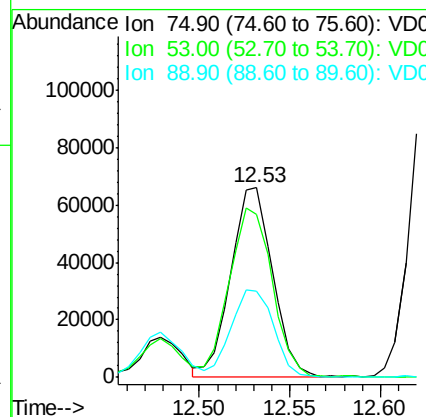
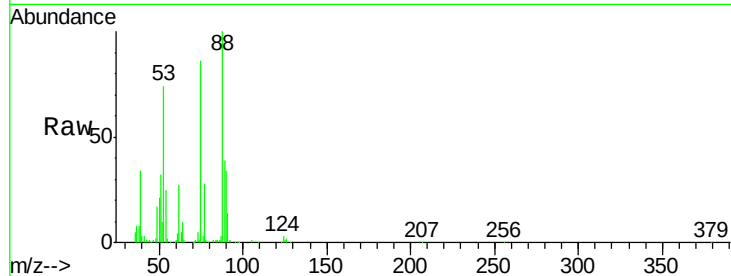
75 100

53 92.9 75.0 112.6

89 47.5 38.2 57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 147.093 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063867.D

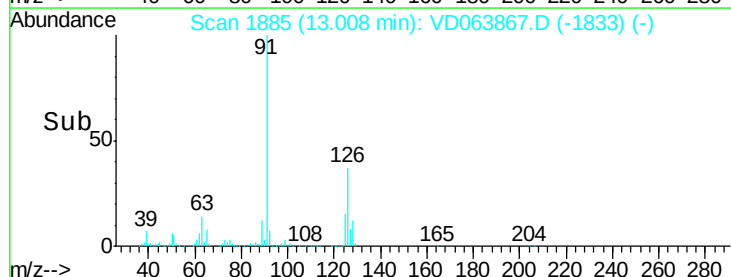
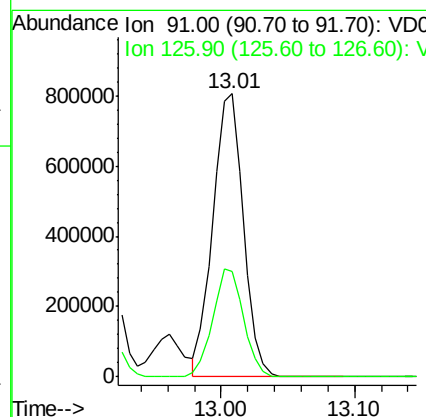
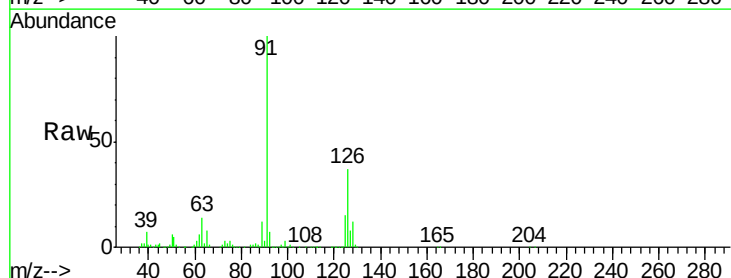
Acq: 02 Oct 2019 18:40

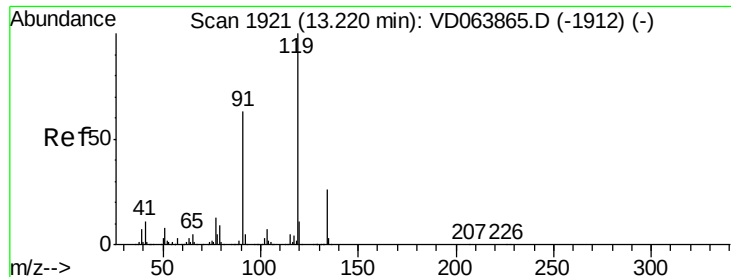
Tgt Ion: 91 Resp: 1290428

Ion Ratio Lower Upper

91 100

126 38.6 18.6 55.8





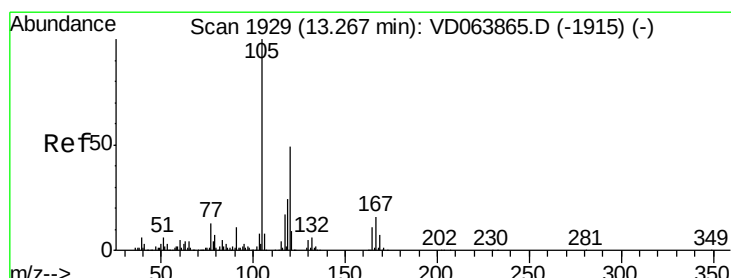
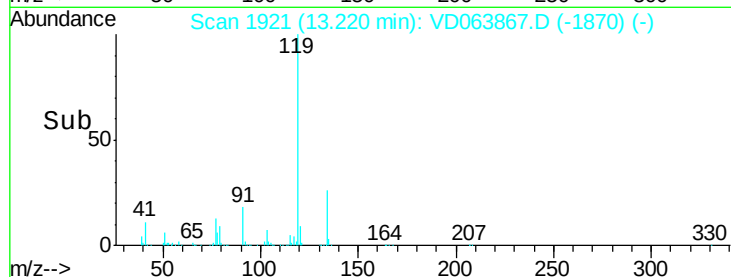
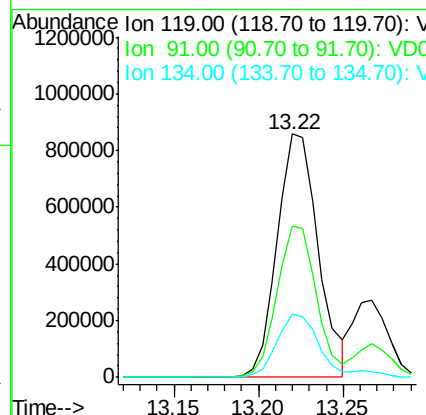
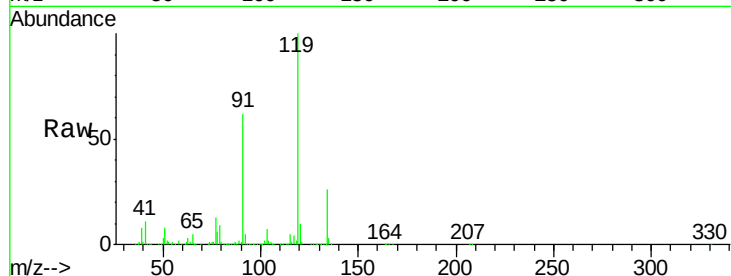
#83
 tert-Butylbenzene
 Concen: 153.058 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.0	90.0
134	27.8	13.0	38.9

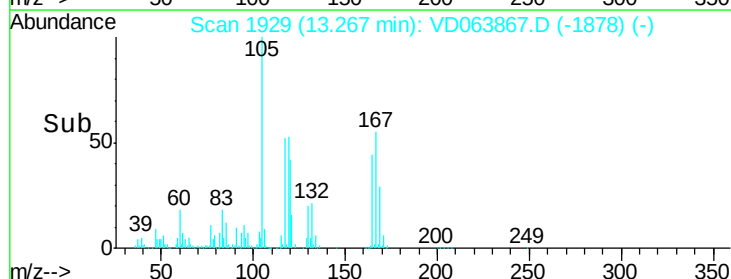
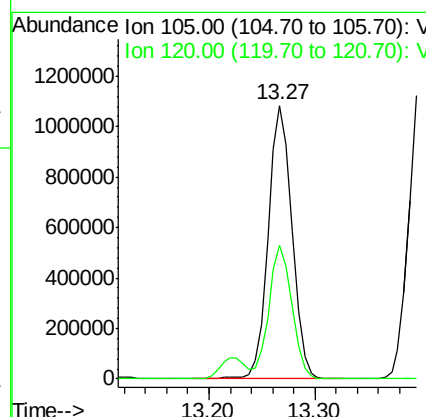
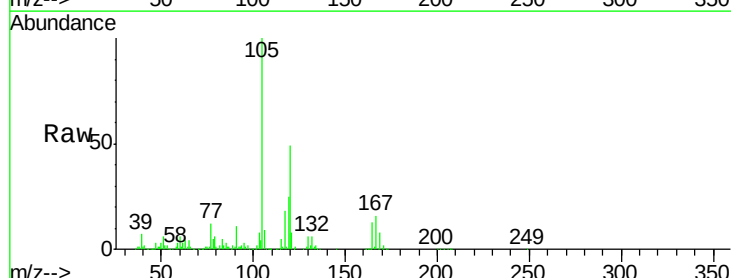
Manual Integrations
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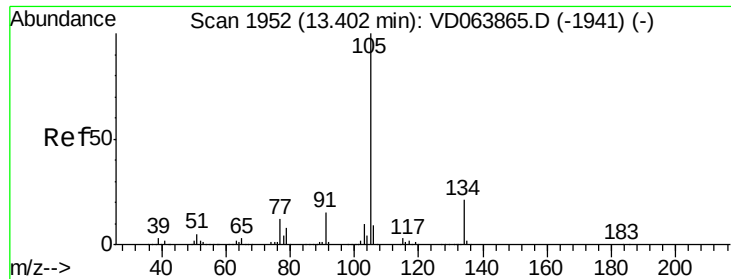
MMDadoda
 10/3/2019 12:55:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 154.741 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5





#85

sec-Butylbenzene

Concen: 145.398 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1902393

Ion Ratio Lower Upper

105 100

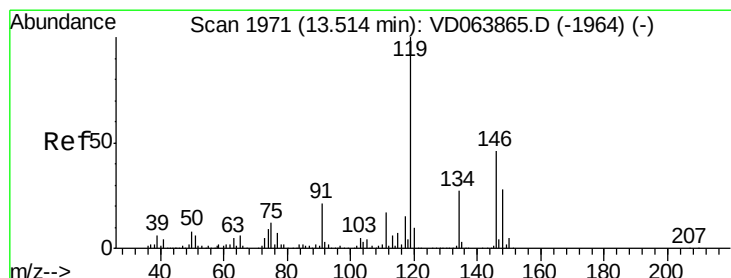
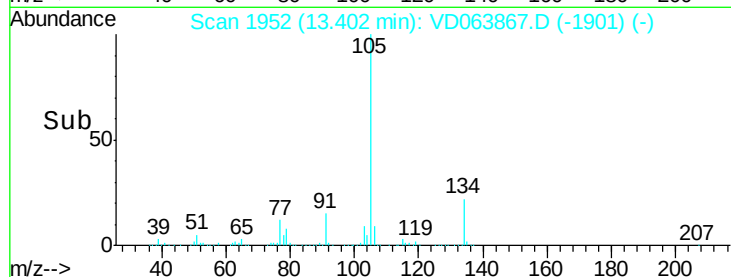
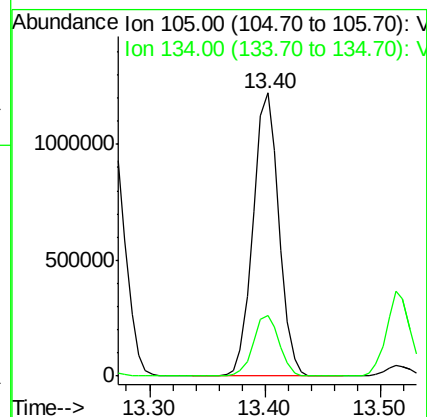
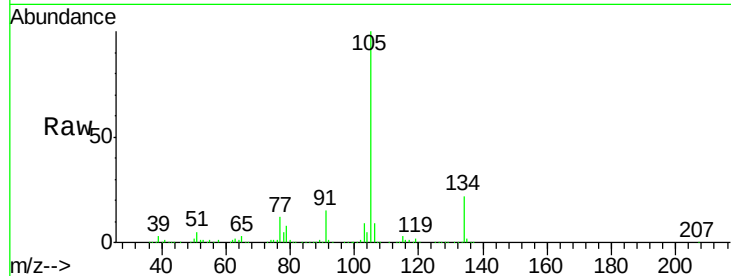
134 21.6 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 154.449 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

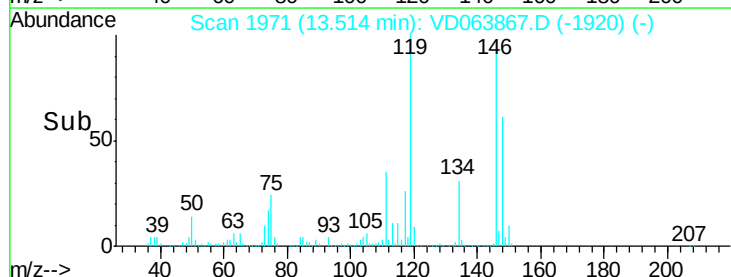
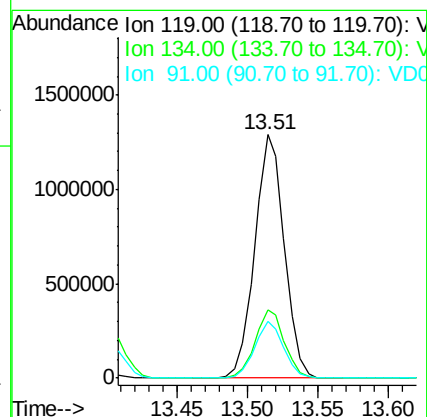
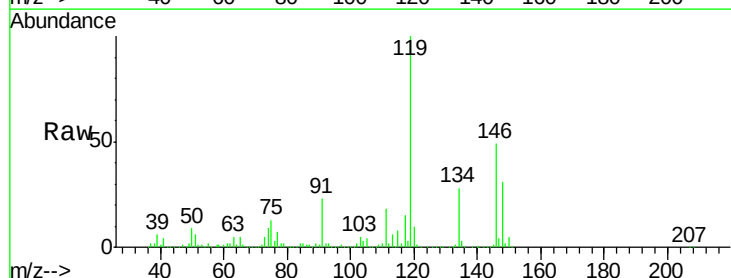
Tgt Ion:119 Resp: 1893014

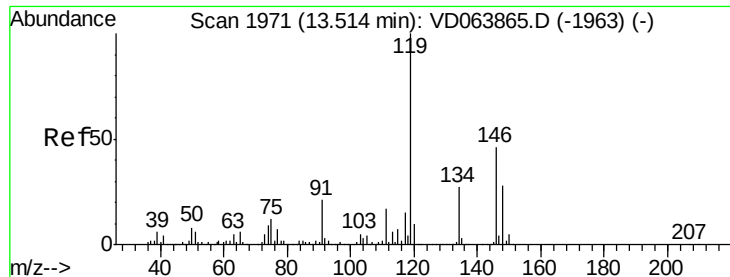
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.6

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 162.968 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063867.D

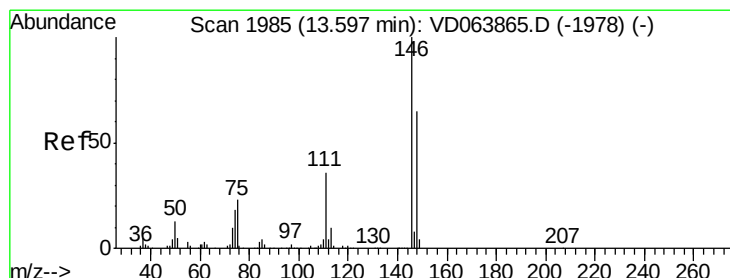
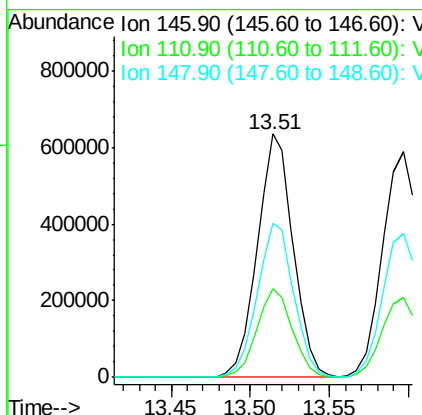
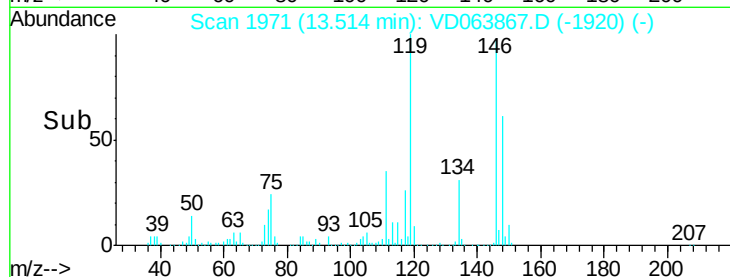
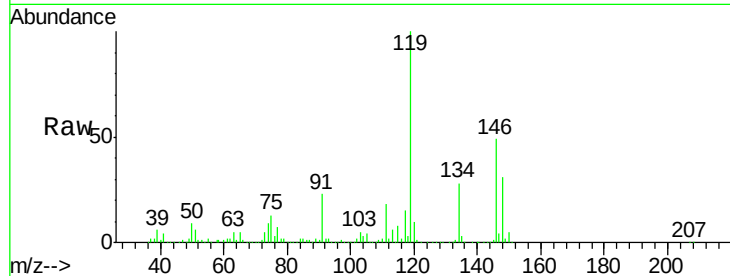
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	996750		
111	36.2	18.3	54.9	
148	64.5	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 155.510 ug/l

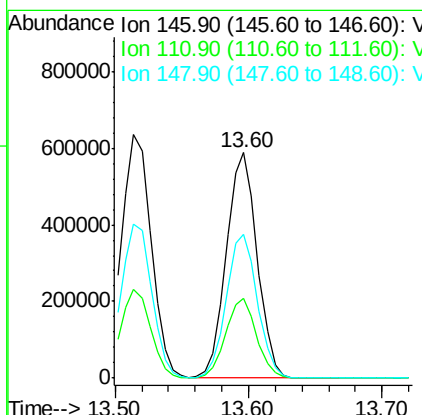
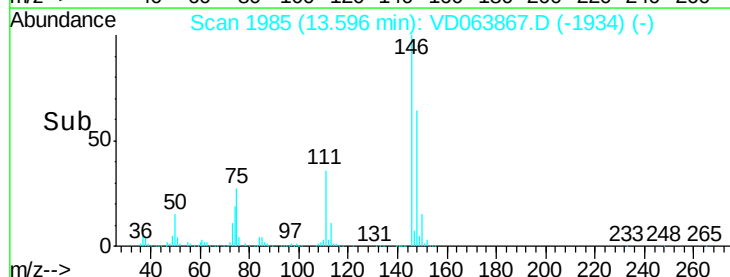
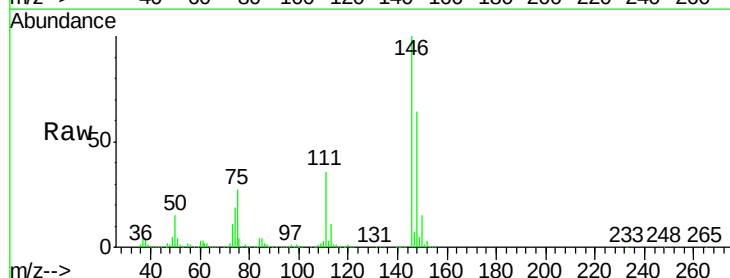
RT: 13.60 min Scan# 1985

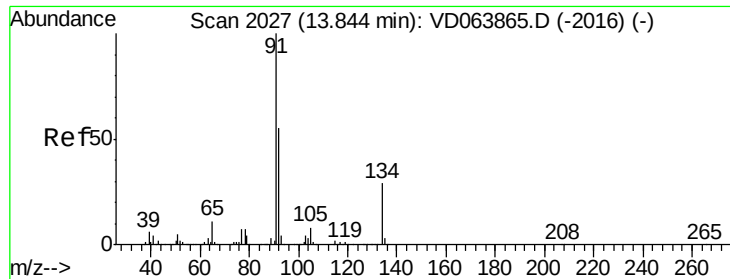
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	949304		
111	35.5	18.6	56.0	
148	64.4	32.6	98.0	





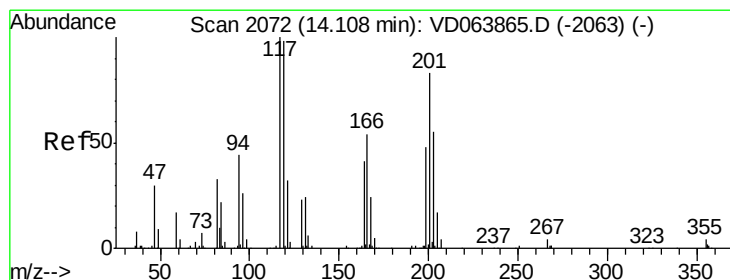
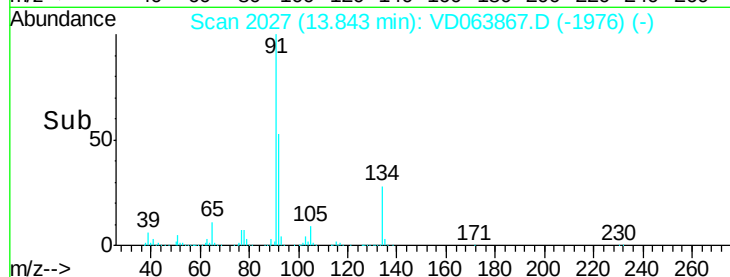
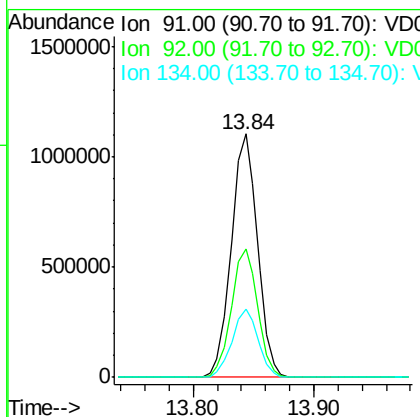
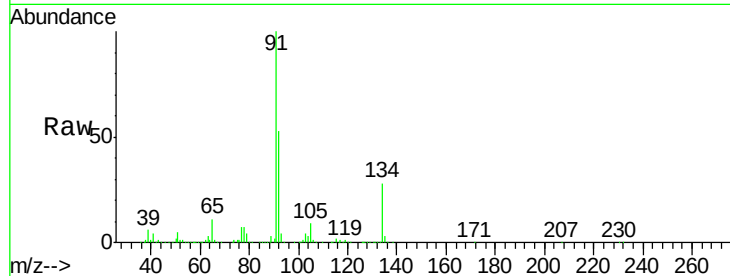
#89
n-Butylbenzene
Concen: 143.320 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.3
134	27.9	14.4	43.0

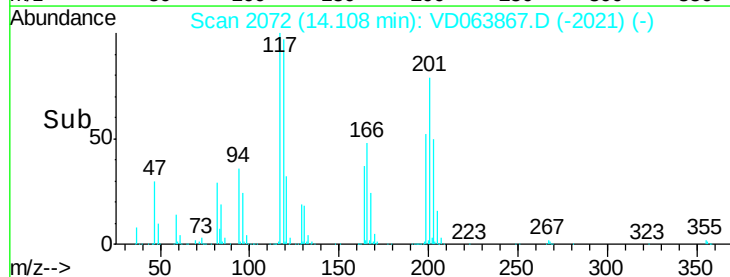
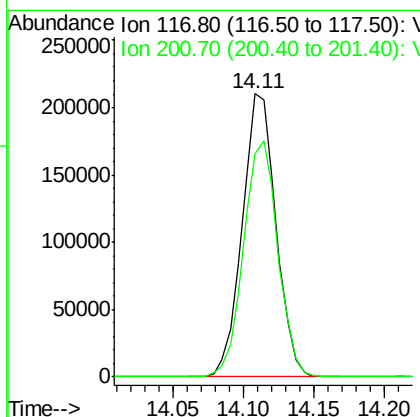
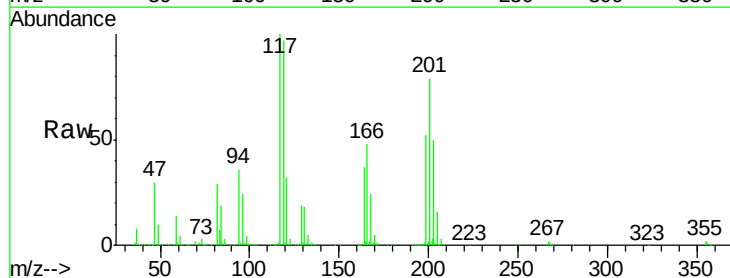
Manual Integrations
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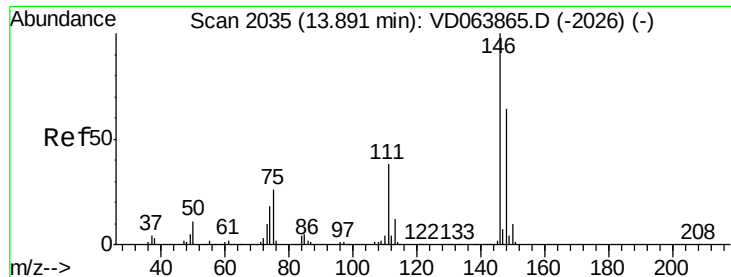
MMDadoda
10/3/2019 12:55:32 PM



#90
Hexachloroethane
Concen: 154.981 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	40.6	121.7





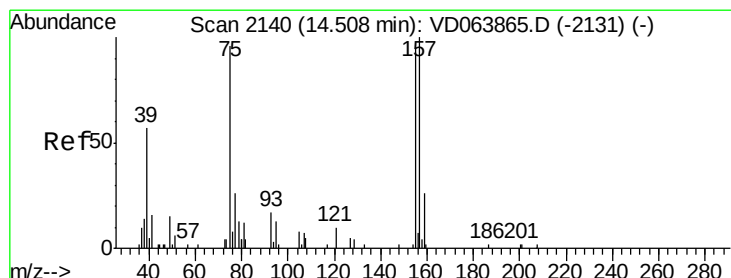
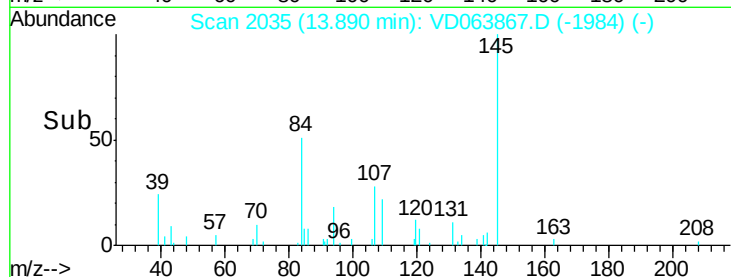
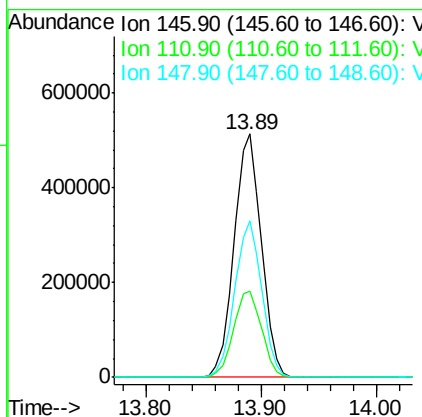
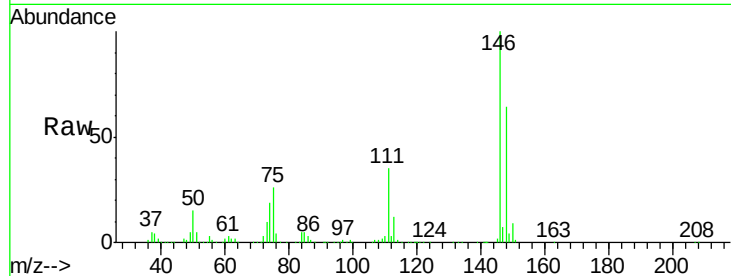
#91
 1,2-Dichlorobenzene
 Concen: 158.832 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.6
148	63.6	31.6	95.0

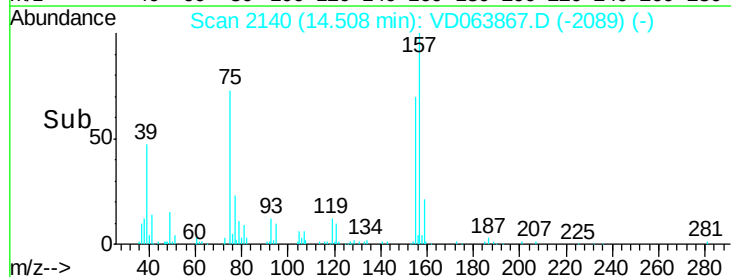
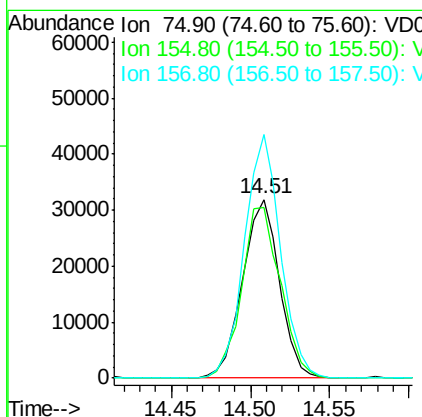
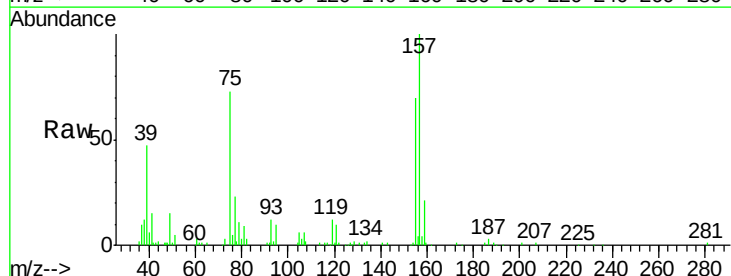
Manual Integrations
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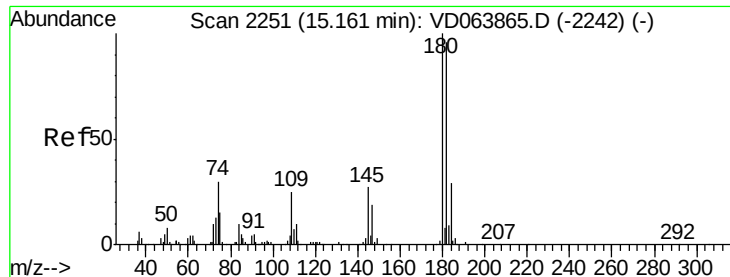
MMDadoda
 10/3/2019 12:55:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 137.975 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	43.9	131.6
157	133.3	56.0	167.9





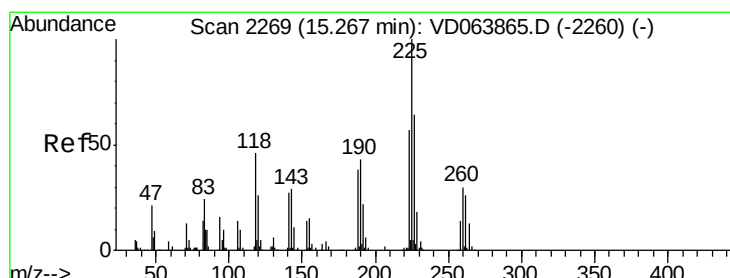
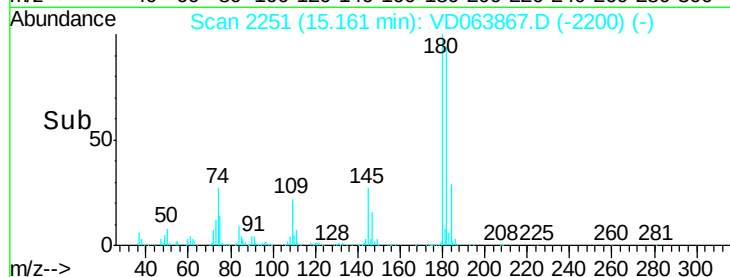
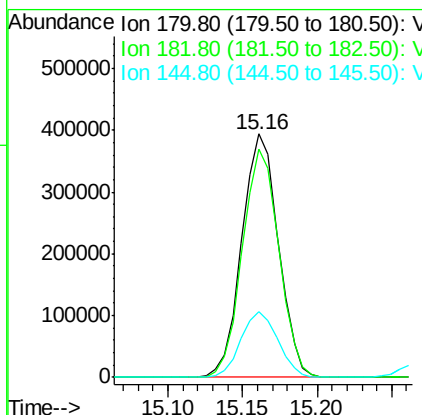
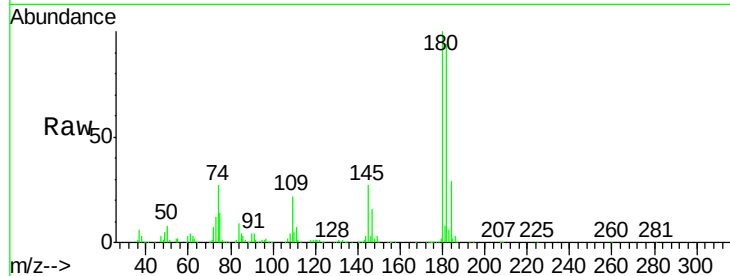
#93
 1,2,4-Trichlorobenzene
 Concen: 167.462 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	668159		
182	93.7	47.4	142.3	
145	27.5	13.9	41.7	

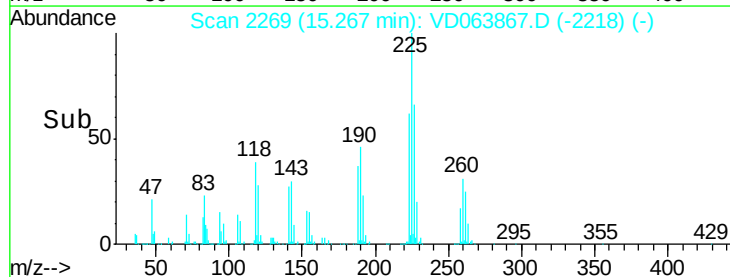
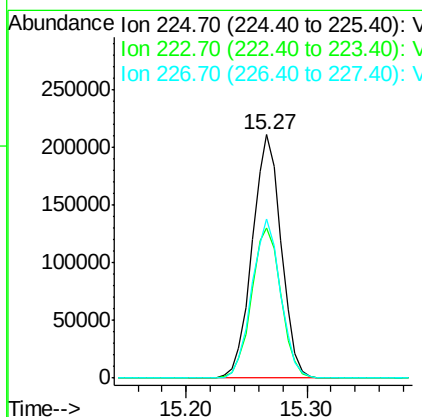
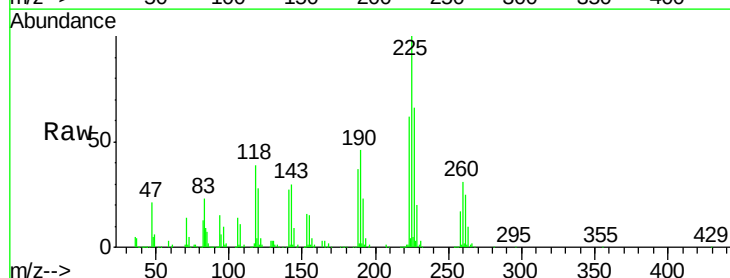
Manual Integrations
 APPROVED

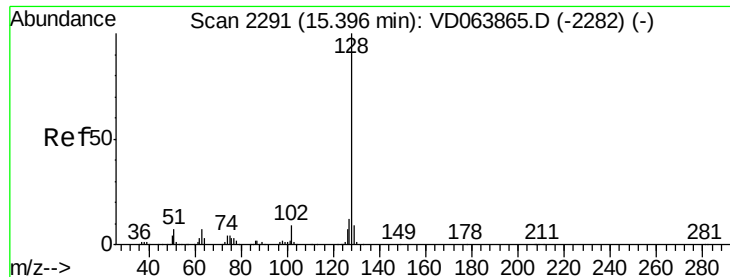
MMDadoda
 10/3/2019 12:55:32 PM



#94
 Hexachlorobutadiene
 Concen: 156.495 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	353347		
223	62.8	29.5	88.6	
227	64.7	30.8	92.4	





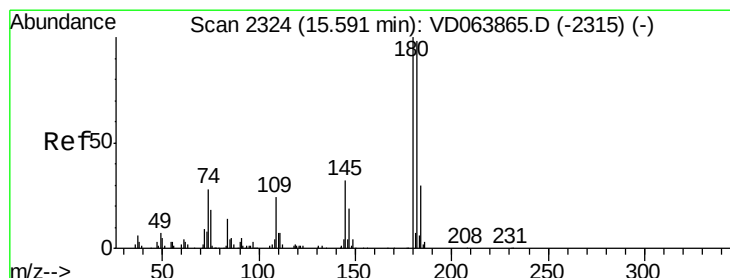
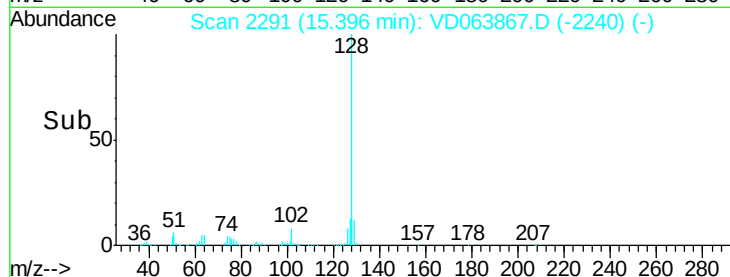
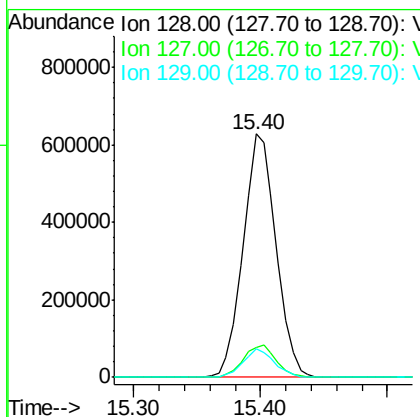
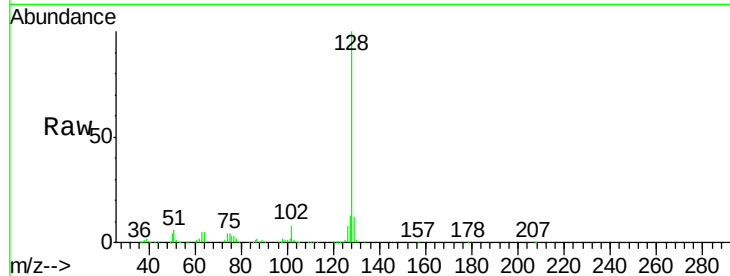
#95
Naphthalene
Concen: 157.041 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 160.948 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.0	141.0
145	29.7	15.3	45.9

