

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063866.D
 Acq On : 02 Oct 2019 18:12
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:28 PM

Quant Time: Oct 03 03:46:03 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	221244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	354387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	209352	99.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.50%	
35) Dibromofluoromethane	7.92	113	216121	96.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.24%	
50) Toluene-d8	10.34	98	861162	101.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.30%	
62) 4-Bromofluorobenzene	12.63	95	299922	98.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	135460	87.719	ug/l	90
3) Chloromethane	2.21	50	405250	86.798	ug/l	97
4) Vinyl Chloride	2.34	62	454827	95.217	ug/l	97
5) Bromomethane	2.76	94	305430	108.152	ug/l	96
6) Chloroethane	2.91	64	299521	91.308	ug/l	93
7) Trichlorofluoromethane	3.27	101	591027	92.582	ug/l	98
8) Diethyl Ether	3.70	74	97965	92.740	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	166137	89.038	ug/l	99
10) Methyl Iodide	4.29	142	265786	116.992	ug/l	99
11) Tert butyl alcohol	5.25	59	76937	467.026	ug/l	98
12) 1,1-Dichloroethene	4.06	96	173647	91.859	ug/l	95
13) Acrolein	3.93	56	87041	439.702	ug/l	90
14) Allyl chloride	4.71	41	275556	91.247	ug/l	98
15) Acrylonitrile	5.43	53	227980	494.976	ug/l	99
16) Acetone	4.16	43	283366	569.383	ug/l	97
17) Carbon Disulfide	4.40	76	639313	99.208	ug/l #	94
18) Methyl Acetate	4.73	43	98387	85.023	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	467852	98.312	ug/l	96
20) Methylene Chloride	4.96	84	236390	83.288	ug/l	100
21) trans-1,2-Dichloroethene	5.46	96	219985	99.108	ug/l	99
22) Diisopropyl ether	6.37	45	574911	92.799	ug/l	96
23) Vinyl Acetate	6.31	43	1786567	484.809	ug/l	100
24) 1,1-Dichloroethane	6.27	63	367603	97.189	ug/l	97
25) 2-Butanone	7.23	43	331060	523.932	ug/l	96
26) 2,2-Dichloropropane	7.21	77	324414	92.730	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	253024	102.110	ug/l	98
28) Bromochloromethane	7.55	49	149532	102.800	ug/l	96
29) Tetrahydrofuran	7.57	42	173443	469.768	ug/l	99
30) Chloroform	7.71	83	398825	97.581	ug/l	97
31) Cyclohexane	7.98	56	312905	84.281	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	347611	94.322	ug/l	98
36) 1,1-Dichloropropene	8.11	75	303095	94.225	ug/l	98
37) Ethyl Acetate	7.30	43	125638	91.504	ug/l	100
38) Carbon Tetrachloride	8.10	117	314325	94.536	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063866.D
 Acq On : 02 Oct 2019 18:12
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:28 PM

Quant Time: Oct 03 03:46:03 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)
39) Methylcyclohexane	9.36	83	365781	91.577	ug/l	93
40) Benzene	8.35	78	886372	99.383	ug/l	99
41) Methacrylonitrile	7.54	41	65221	84.002	ug/l	95
42) 1,2-Dichloroethane	8.43	62	246572	94.375	ug/l	100
43) Isopropyl Acetate	8.46	43	246555	91.010	ug/l	99
44) Trichloroethene	9.11	130	252900	97.728	ug/l	98
45) 1,2-Dichloropropane	9.39	63	214975	97.429	ug/l	93
46) Dibromomethane	9.48	93	127117	101.891	ug/l	98
47) Bromodichloromethane	9.67	83	320230	99.933	ug/l	99
48) Methyl methacrylate	9.46	41	112018	90.712	ug/l	96
49) 1,4-Dioxane	9.47	88	34784	1968.396	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	646423	470.474	ug/l	97
52) Toluene	10.40	92	602021	99.329	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	317300	99.826	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	367301	102.043	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	174100	99.122	ug/l	96
56) Ethyl methacrylate	10.66	69	223949	99.997	ug/l	97
57) 1,3-Dichloropropane	10.95	76	288253	95.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	537231	536.937	ug/l	100
59) 2-Hexanone	10.98	43	501155	502.957	ug/l	100
60) Dibromochloromethane	11.14	129	239075	103.026	ug/l	98
61) 1,2-Dibromoethane	11.24	107	176656	100.243	ug/l	98
64) Tetrachloroethene	10.87	164	231654	97.957	ug/l	97
65) Chlorobenzene	11.67	112	694777	97.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	260017	99.945	ug/l	98
67) Ethyl Benzene	11.74	91	1254328	98.430	ug/l	98
68) m/p-Xylenes	11.86	106	979644	199.192	ug/l	99
69) o-Xylene	12.18	106	465694	100.601	ug/l	97
70) Styrene	12.20	104	800641	101.826	ug/l	100
71) Bromoform	12.36	173	149705	104.051	ug/l #	100
73) Isopropylbenzene	12.48	105	1223069	94.479	ug/l	98
74) N-amyl acetate	12.29	43	257163	90.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	196362	90.636	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	145930m	101.107	ug/l	
77) Bromobenzene	12.76	156	317522	101.509	ug/l	95
78) n-propylbenzene	12.82	91	1434208	94.088	ug/l	100
79) 2-Chlorotoluene	12.91	91	784744	95.553	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1042053	96.621	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	66220	91.414	ug/l	99
82) 4-Chlorotoluene	13.00	91	814007	92.580	ug/l	99
83) tert-Butylbenzene	13.22	119	926446	97.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1064387	97.180	ug/l	99
85) sec-Butylbenzene	13.40	105	1216257	92.750	ug/l	99
86) p-Isopropyltoluene	13.51	119	1203023	97.934	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	611616	99.776	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	599978	98.066	ug/l	97
89) n-Butylbenzene	13.84	91	1084644	93.081	ug/l	99
90) Hexachloroethane	14.11	117	219511	96.647	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	526328	99.676	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31777	85.000	ug/l	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
Data File : VD063866.D
Acq On : 02 Oct 2019 18:12
Operator : VA/SY
Sample : VSTDICC100
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM

Quant Time: Oct 03 03:46:03 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)
93) 1,2,4-Trichlorobenzene	15.16	180	417011	104.283	ug/l	99
94) Hexachlorobutadiene	15.27	225	232064	102.550	ug/l	98
95) Naphthalene	15.40	128	714280	99.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	359613	101.367	ug/l	99

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

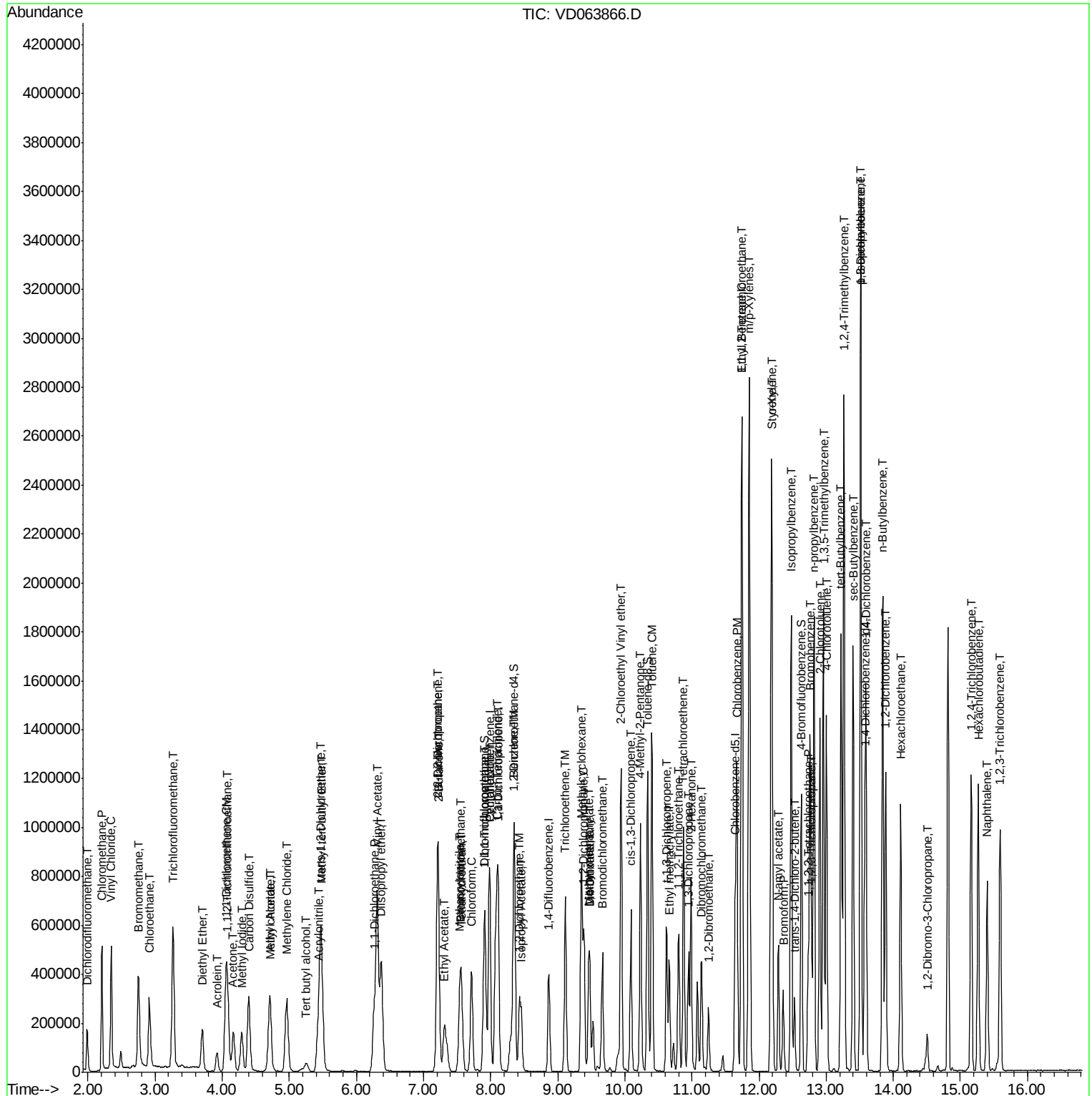
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100219\
Data File : VD063866.D
Acq On : 02 Oct 2019 18:12
Operator : VA/SY
Sample : VSTDICC100
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

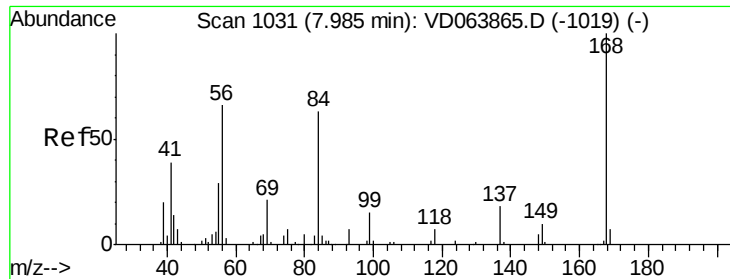
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM

Quant Time: Oct 03 03:46:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 221244

Ion Ratio Lower Upper

168 100

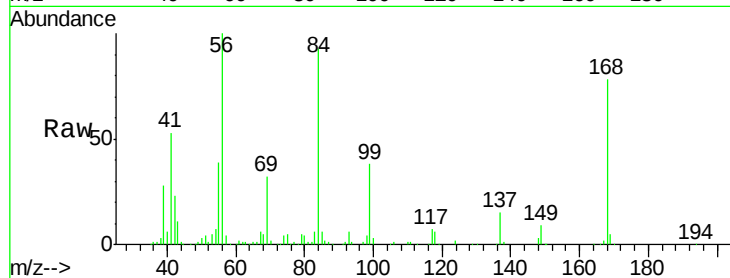
99 48.3 43.0 64.4

Manual Integrations

APPROVED

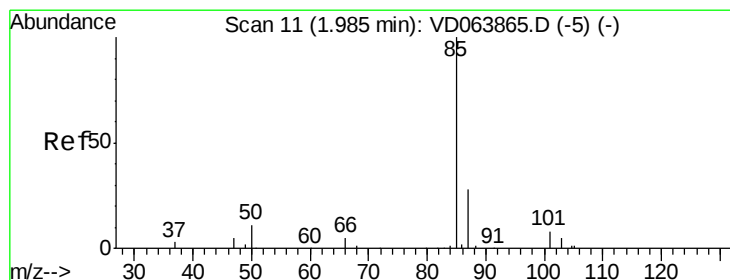
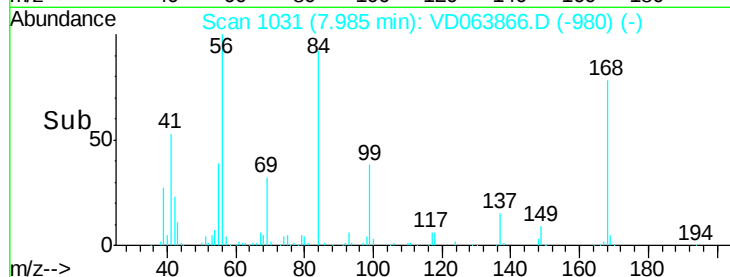
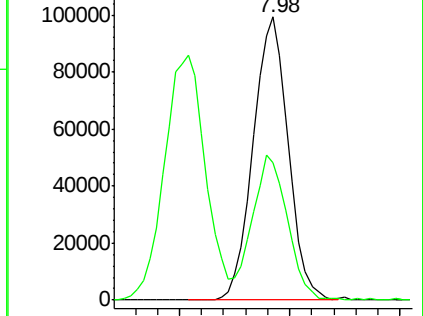
MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 87.719 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063866.D

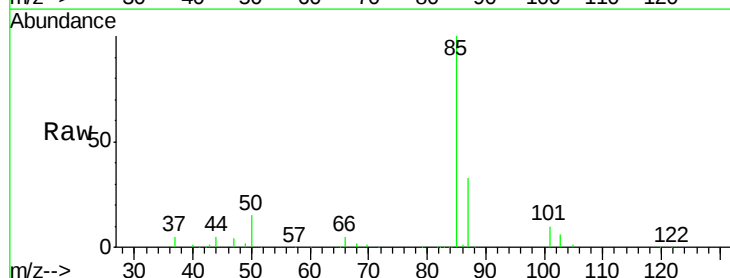
Acq: 02 Oct 2019 18:12

Tgt Ion: 85 Resp: 135460

Ion Ratio Lower Upper

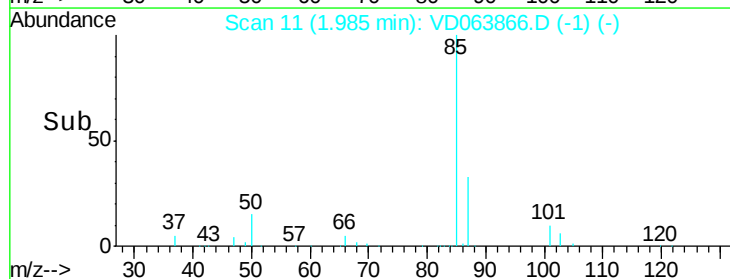
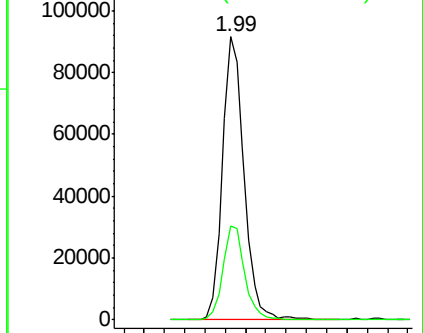
85 100

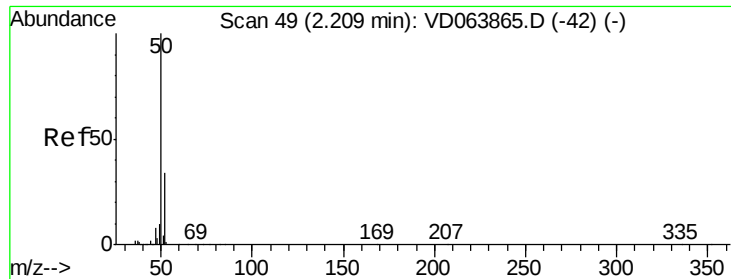
87 33.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 86.798 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 405250

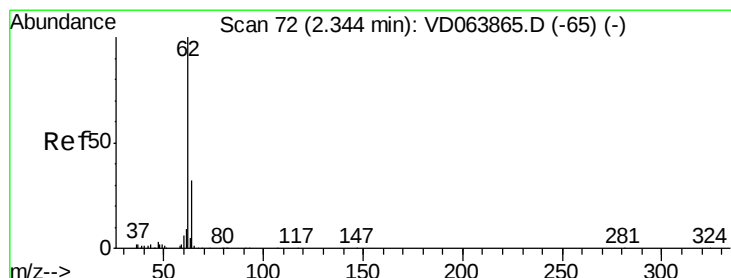
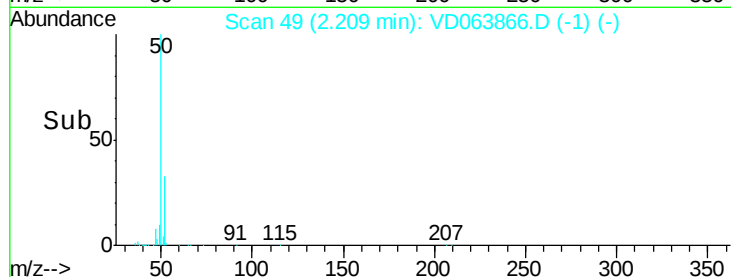
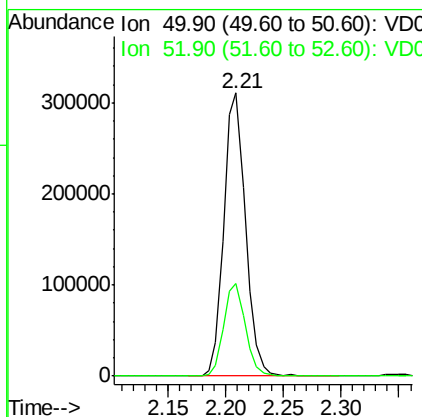
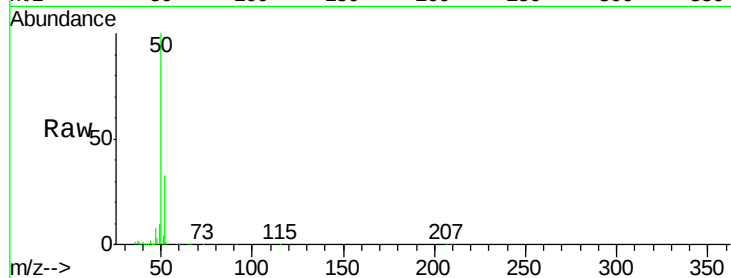
Ion Ratio Lower Upper

50 100

52 32.7 27.5 41.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#4

Vinyl Chloride

Concen: 95.217 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063866.D

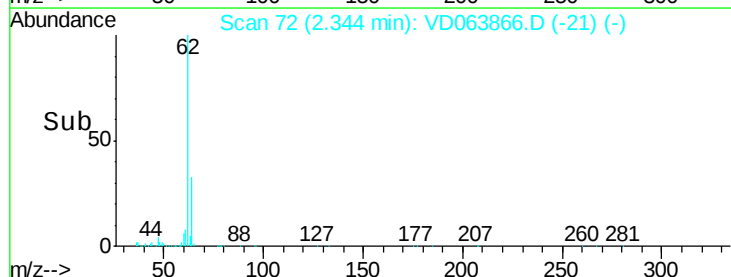
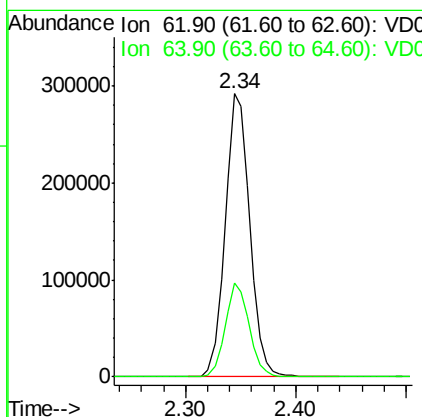
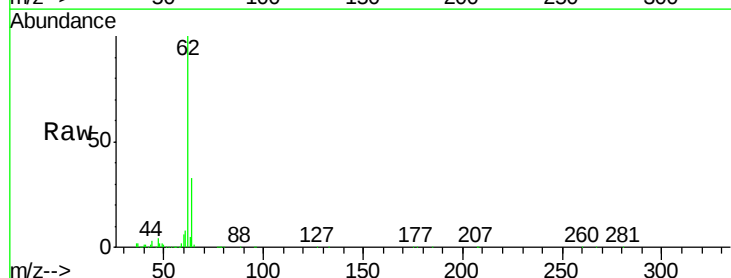
Acq: 02 Oct 2019 18:12

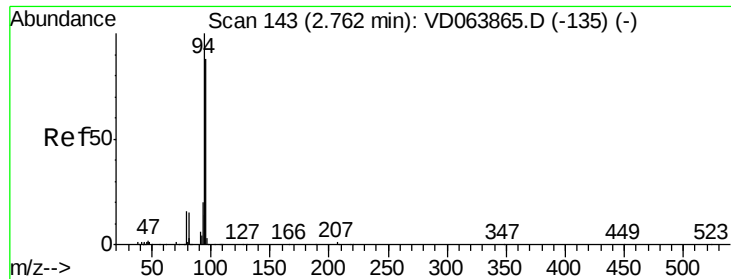
Tgt Ion: 62 Resp: 454827

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 108.152 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 305430

Ion Ratio Lower Upper

94 100

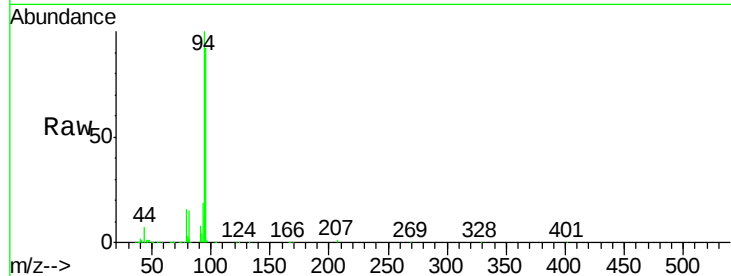
96 91.9 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

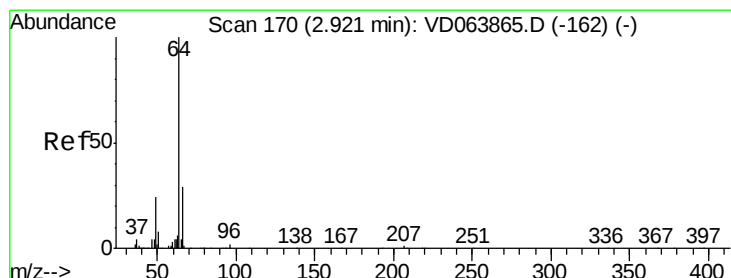
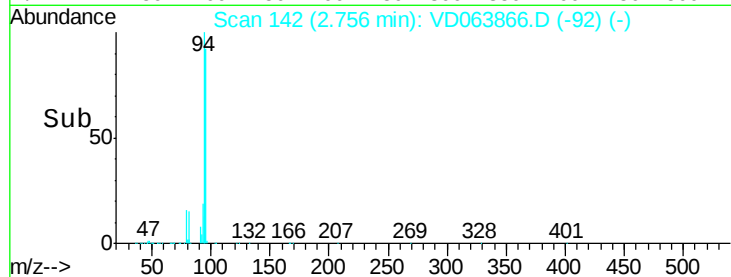
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 91.308 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063866.D

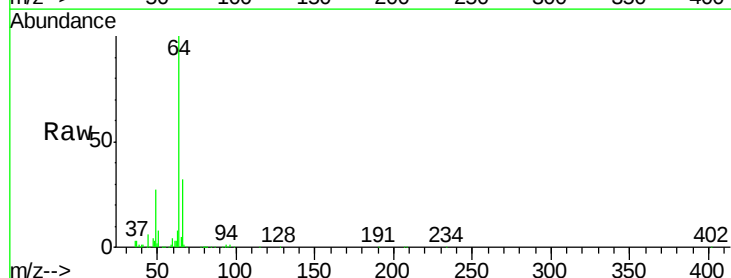
Acq: 02 Oct 2019 18:12

Tgt Ion: 64 Resp: 299521

Ion Ratio Lower Upper

64 100

66 32.4 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

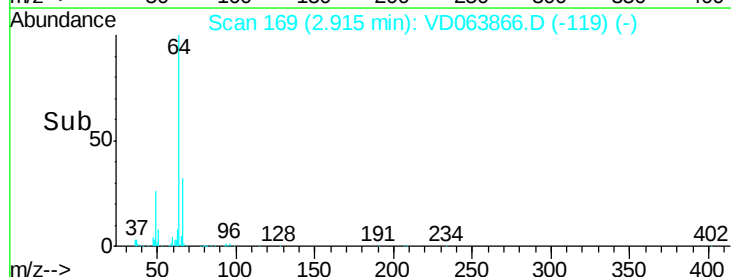
150000

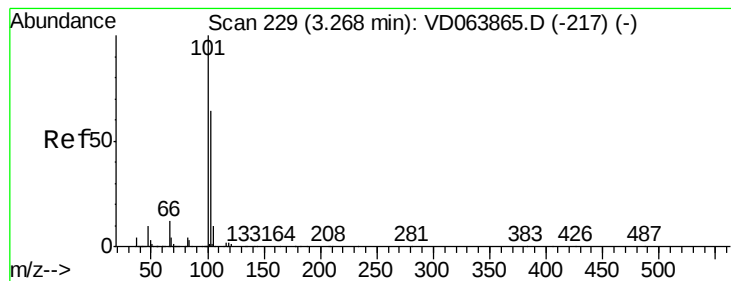
100000

50000

0

Time-->





#7

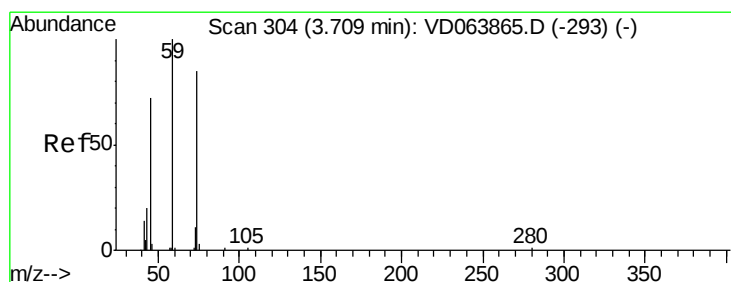
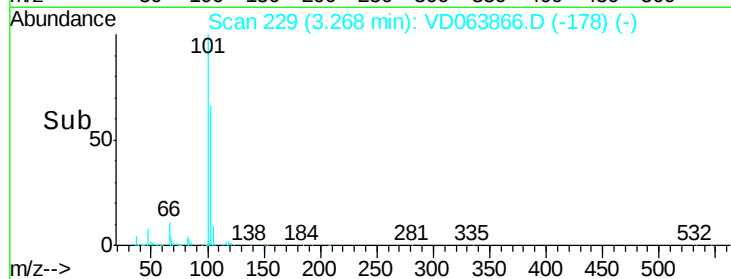
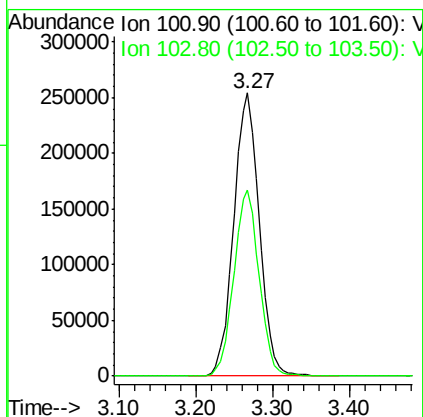
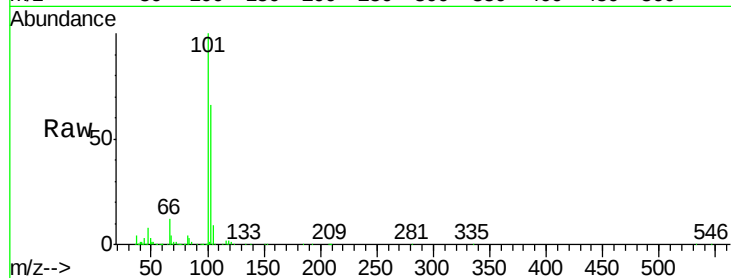
Trichlorofluoromethane
 Concen: 92.582 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.1	76.7

Manual Integrations
 APPROVED

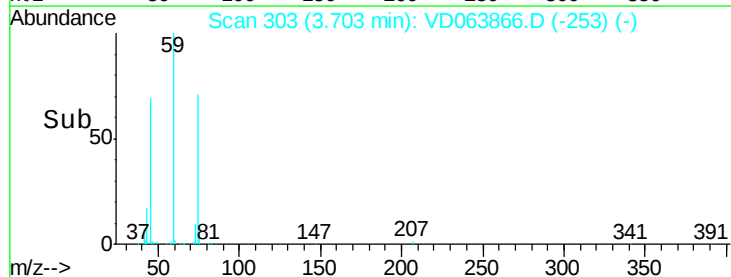
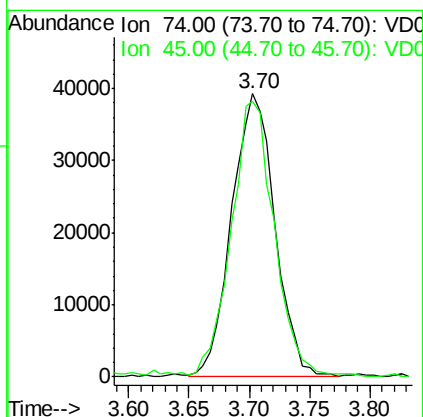
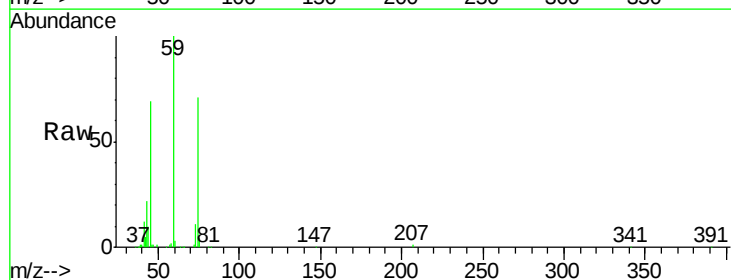
MMDadoda
 10/3/2019 12:55:28 PM

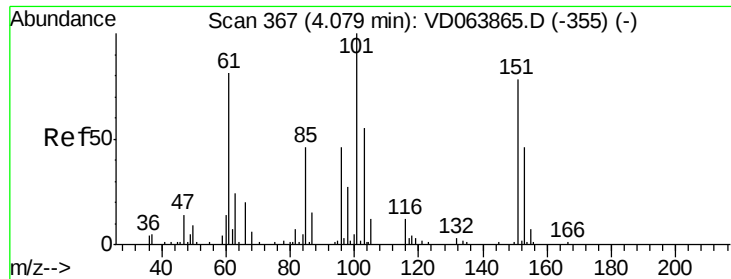


#8

Diethyl Ether
 Concen: 92.740 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.038 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

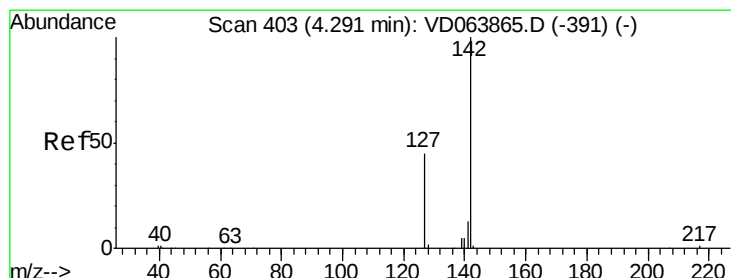
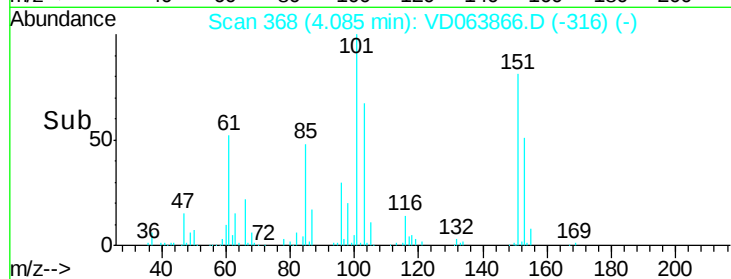
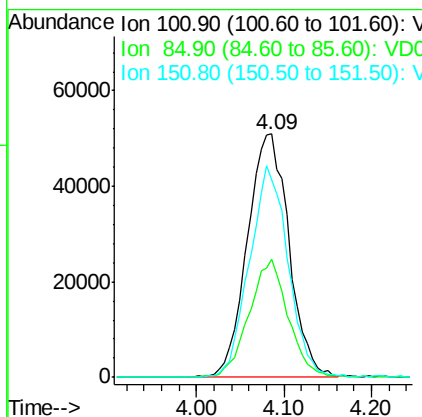
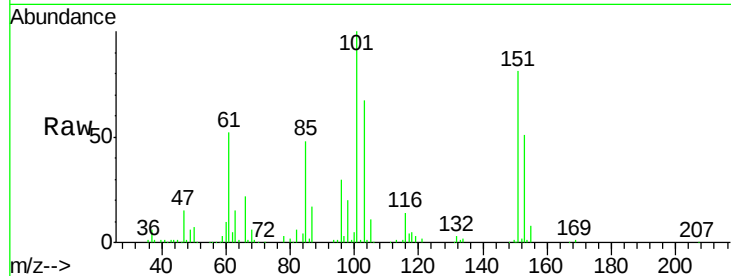
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	166137
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.5	56.3
151	81.0	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#10

Methyl Iodide

Concen: 116.992 ug/l

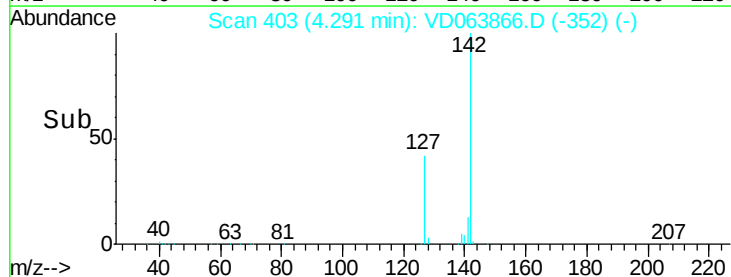
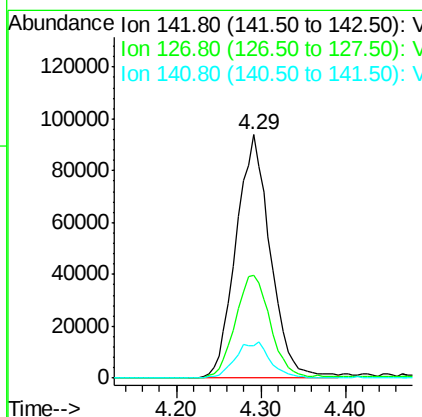
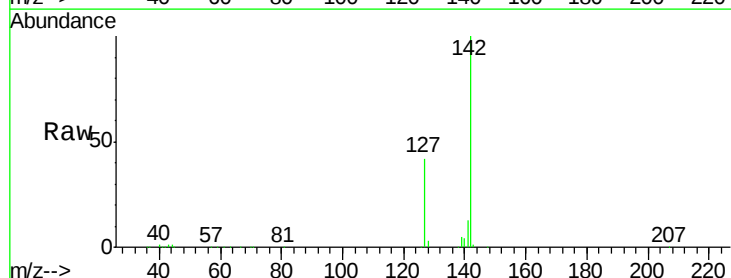
RT: 4.29 min Scan# 403

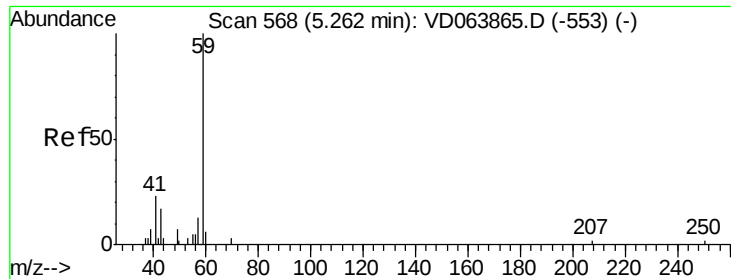
Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion:	142	Resp:	265786
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.3	52.9
141	15.0	12.2	18.2





#11

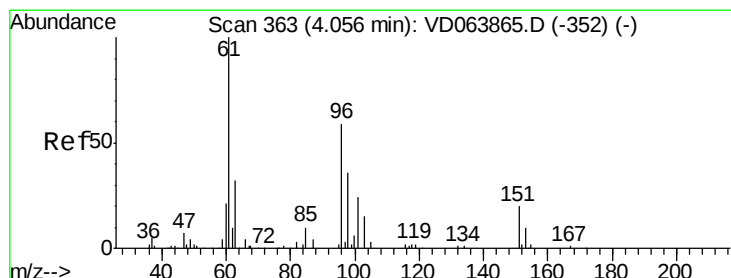
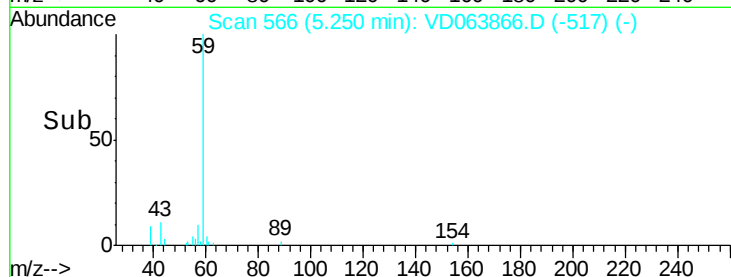
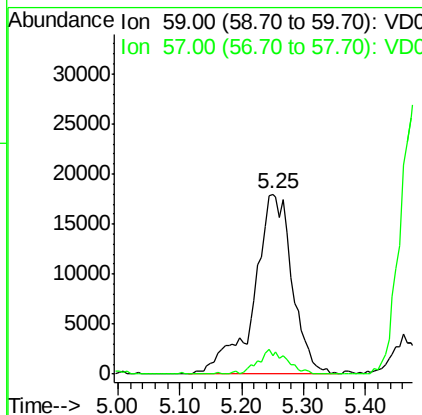
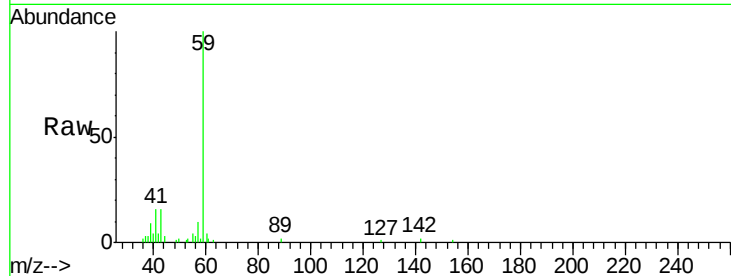
Tert butyl alcohol
 Concen: 467.026 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	76937
Ion Ratio	100	Lower	Upper
57	10.1	8.8	13.2

Manual Integrations
 APPROVED

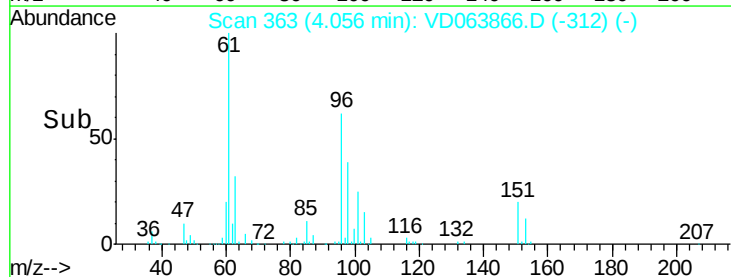
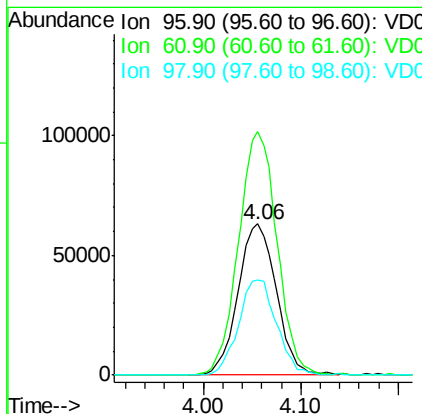
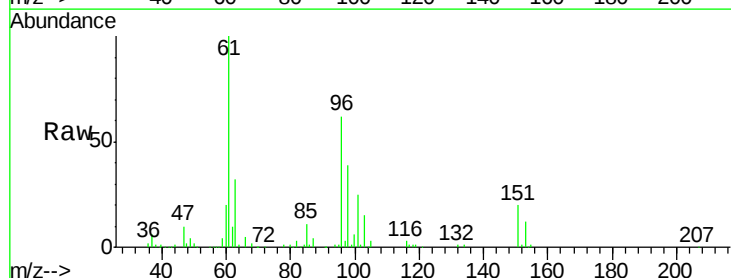
MMDadoda
 10/3/2019 12:55:28 PM

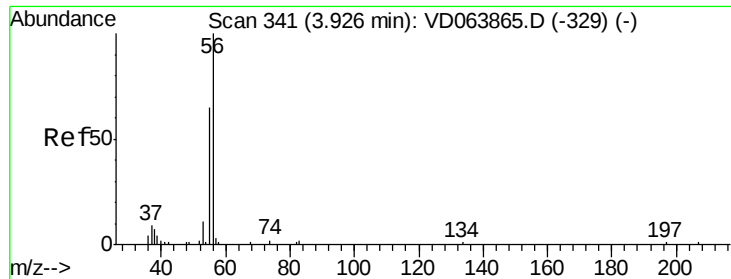


#12

1,1-Dichloroethene
 Concen: 91.859 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	96	Resp	173647
Ion Ratio	100	Lower	Upper
61	160.9	135.6	203.4
98	63.1	49.2	73.8





#13

Acrolein

Concen: 439.702 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 87041

Ion Ratio Lower Upper

56 100

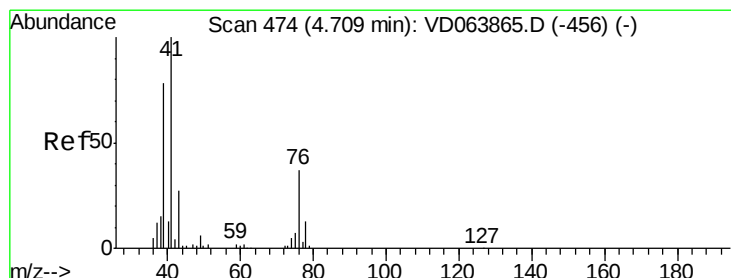
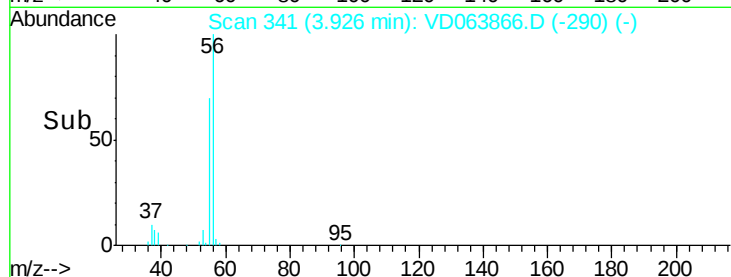
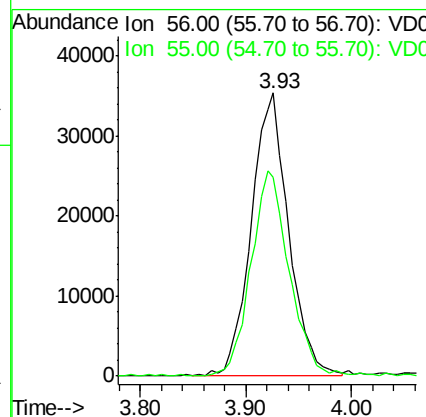
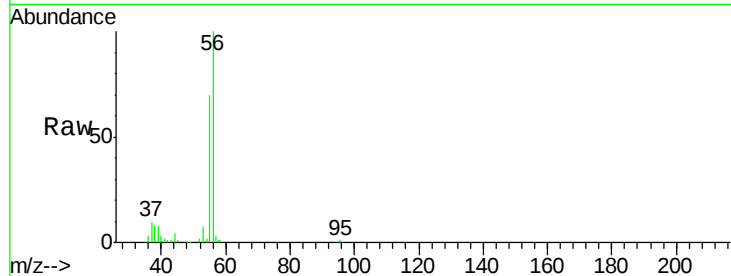
55 74.1 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:28 PM



#14

Allyl chloride

Concen: 91.247 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

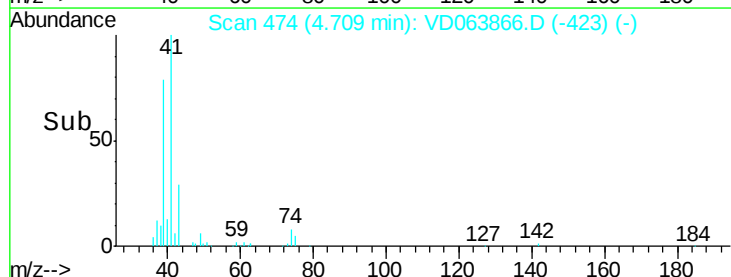
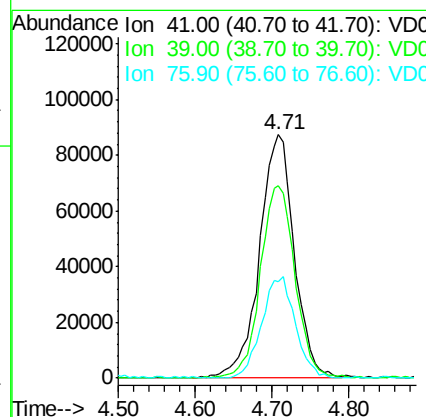
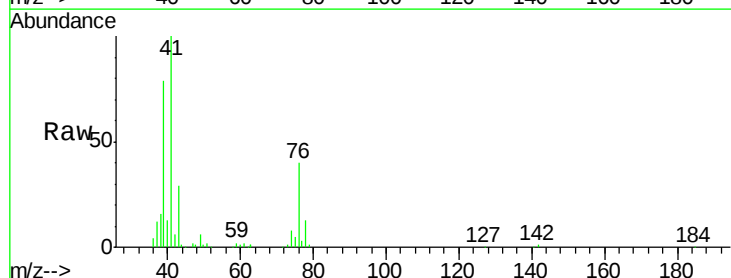
Tgt Ion: 41 Resp: 275556

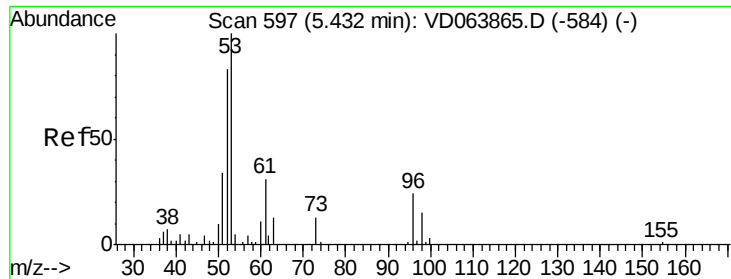
Ion Ratio Lower Upper

41 100

39 78.7 61.8 92.6

76 40.3 31.3 46.9





#15

Acrylonitrile

Concen: 494.976 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

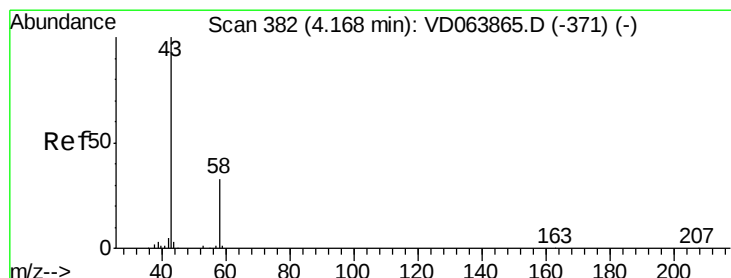
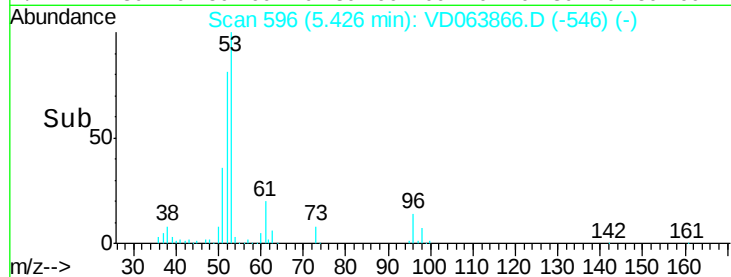
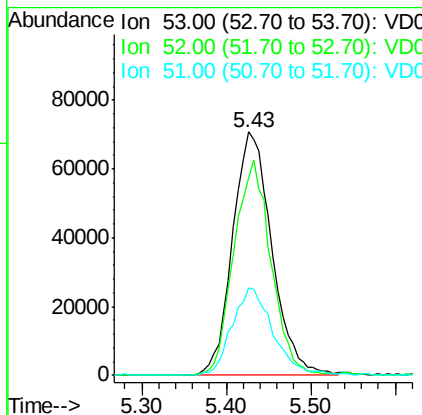
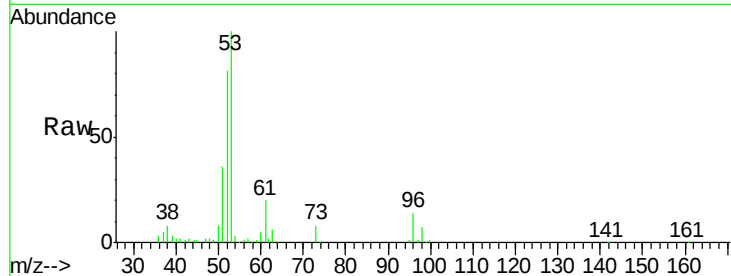
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	227980
Ion Ratio		Lower	Upper
53	100		
52	83.5	67.3	100.9
51	37.3	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#16

Acetone

Concen: 569.383 ug/l

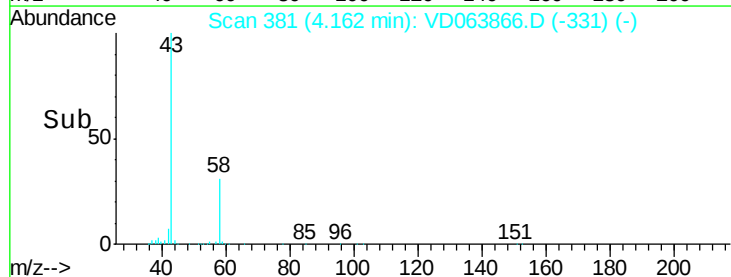
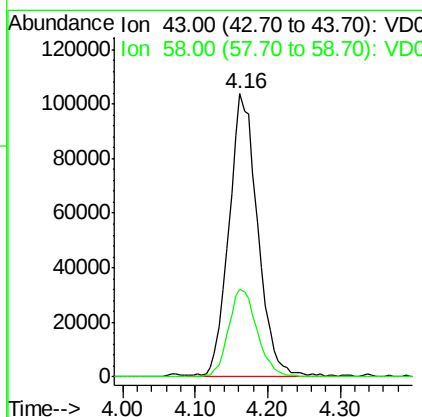
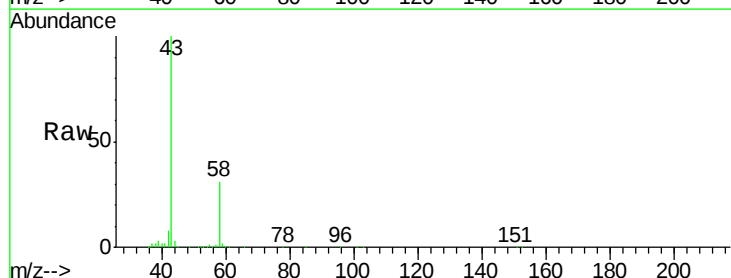
RT: 4.16 min Scan# 381

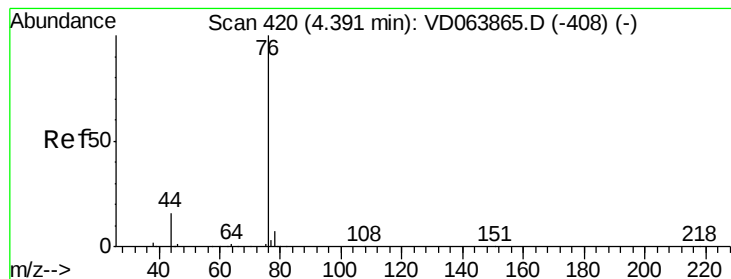
Delta R.T. -0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion:	43	Resp:	283366
Ion Ratio		Lower	Upper
43	100		
58	31.0	26.2	39.4





#17

Carbon Disulfide

Concen: 99.208 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 639313

Ion Ratio Lower Upper

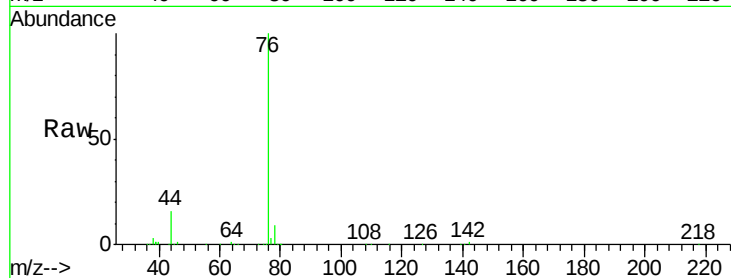
76 100

78 9.3 5.8 8.8#

Manual Integrations
APPROVED

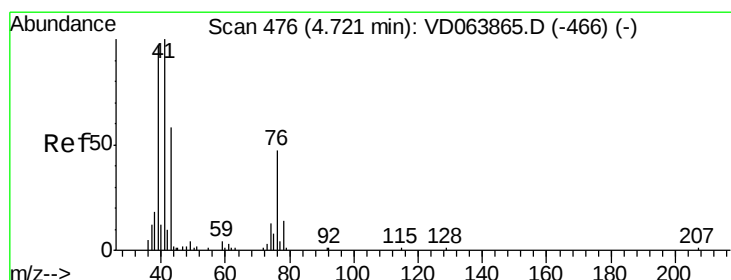
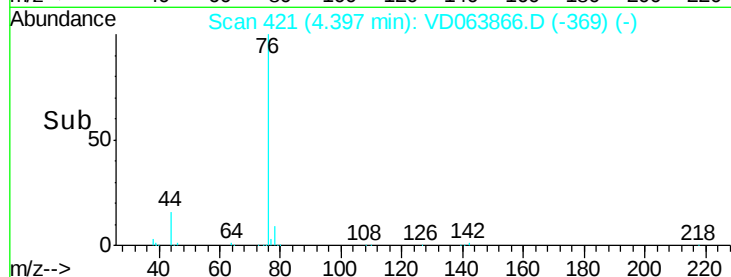
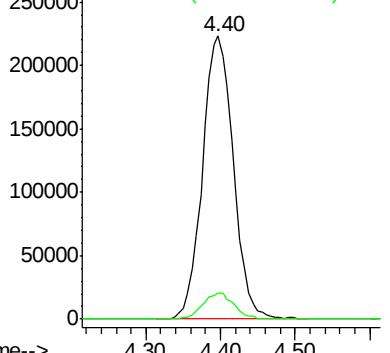
MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 85.023 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063866.D

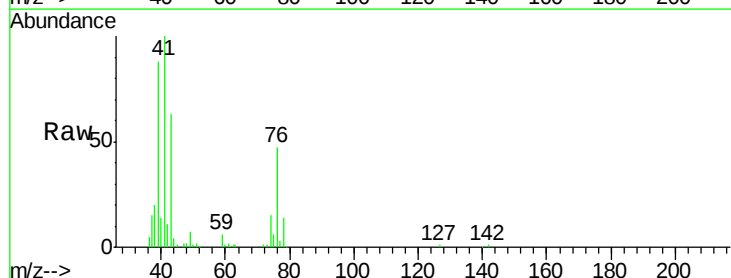
Acq: 02 Oct 2019 18:12

Tgt Ion: 43 Resp: 98387

Ion Ratio Lower Upper

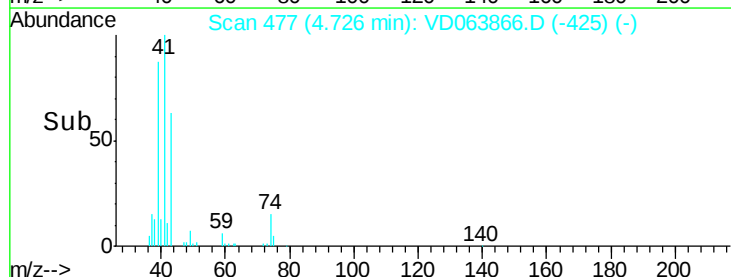
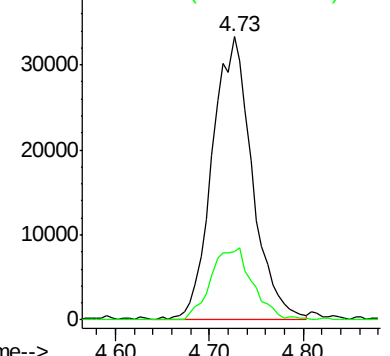
43 100

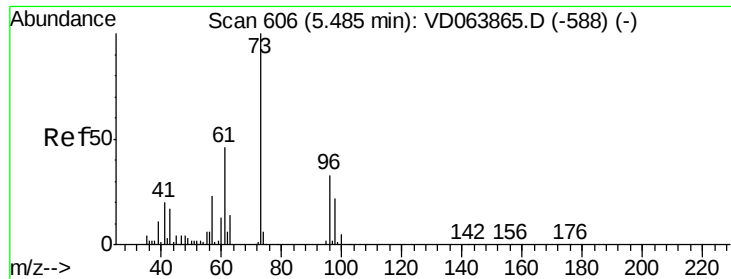
74 26.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





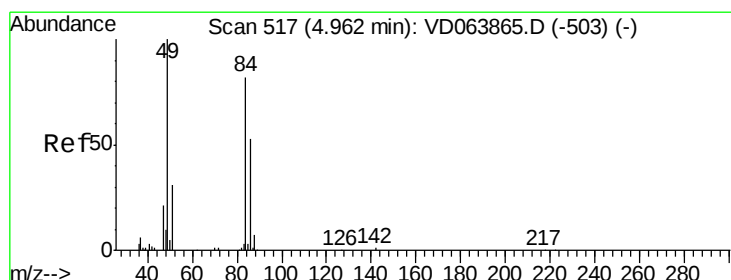
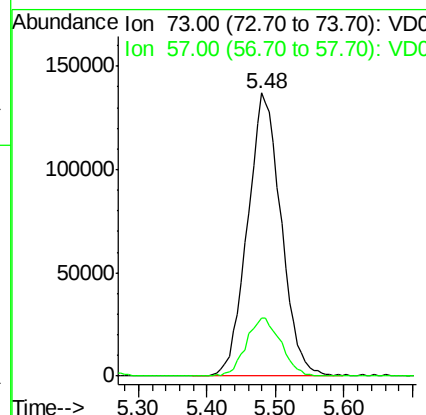
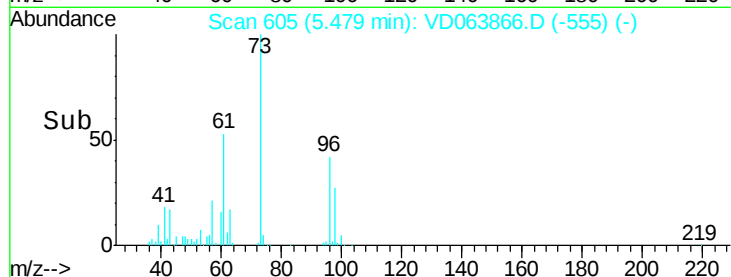
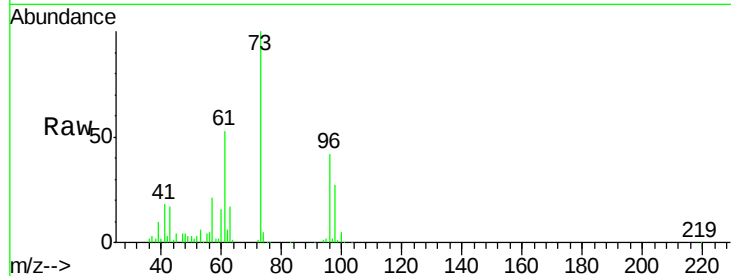
#19
Methvl tert-butvl Ether
Concen: 98.312 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 467852
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1

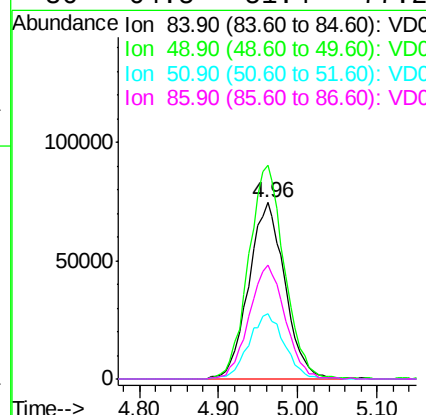
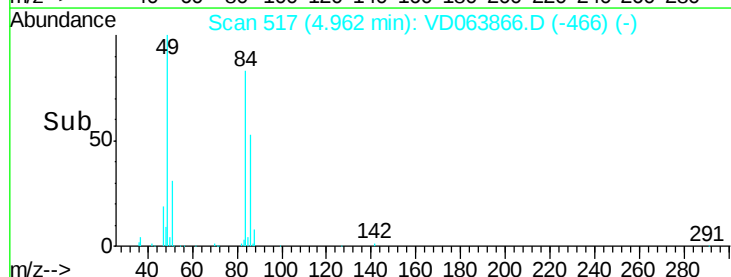
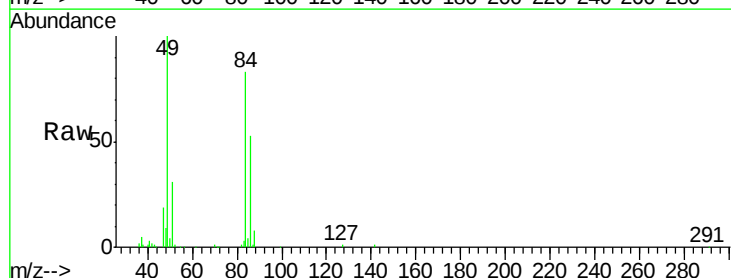
Manual Integrations
APPROVED

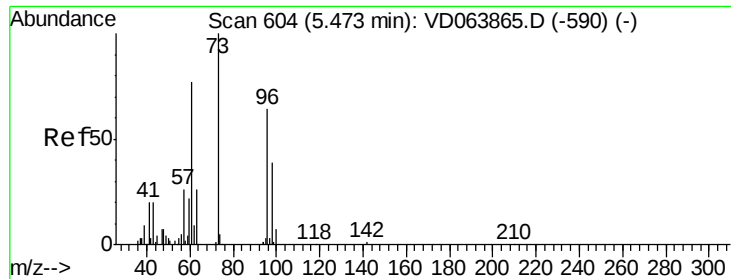
MMDadoda
10/3/2019 12:55:28 PM



#20
Methylene Chloride
Concen: 83.288 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion: 84 Resp: 236390
Ion Ratio Lower Upper
84 100
49 121.1 97.3 145.9
51 37.0 30.1 45.1
86 64.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 99.108 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

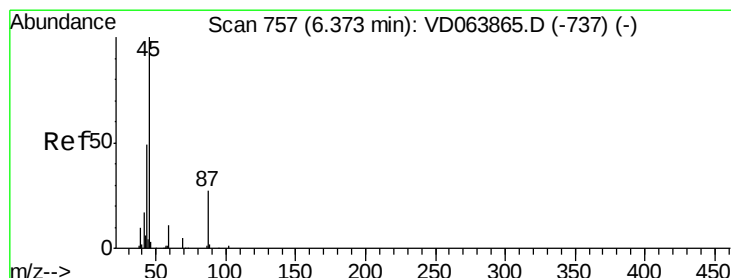
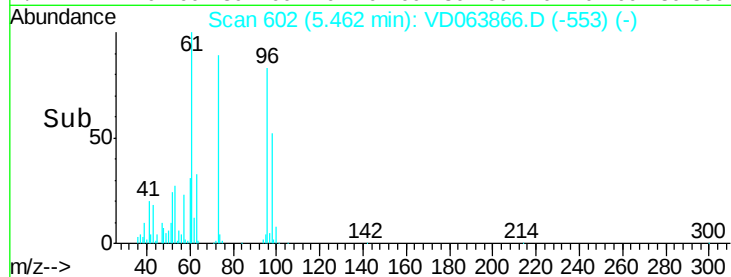
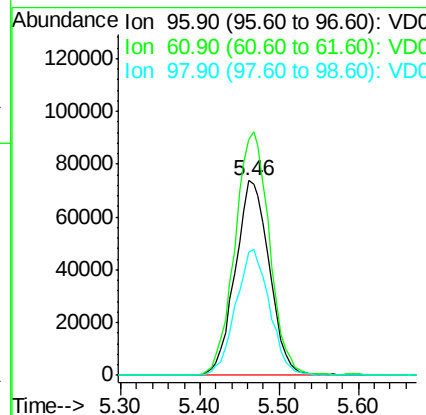
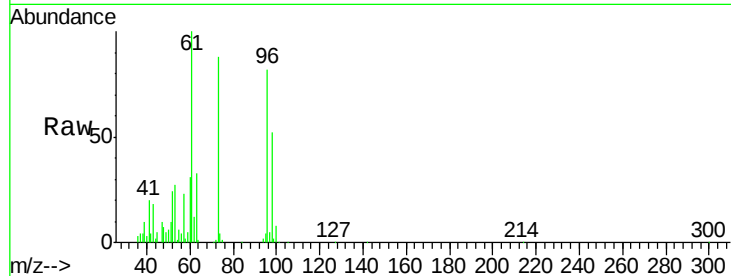
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	219985
Ion	Ratio	Lower	Upper
96	100		
61	121.3	96.6	145.0
98	63.5	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#22

Diisopropyl ether

Concen: 92.799 ug/l

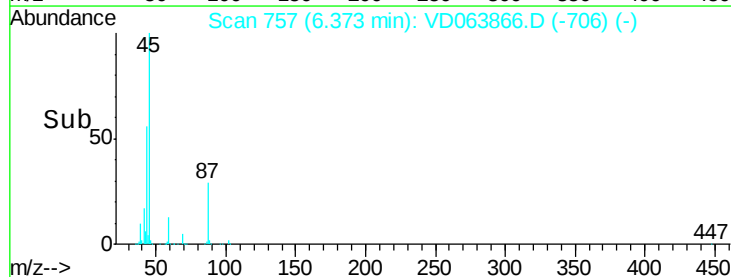
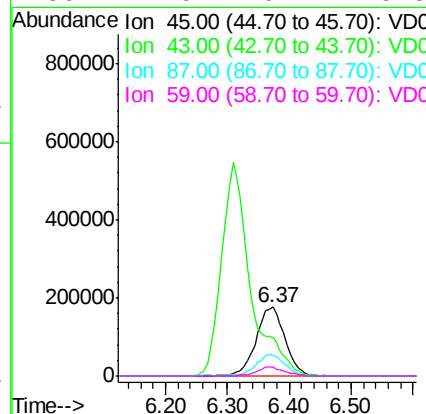
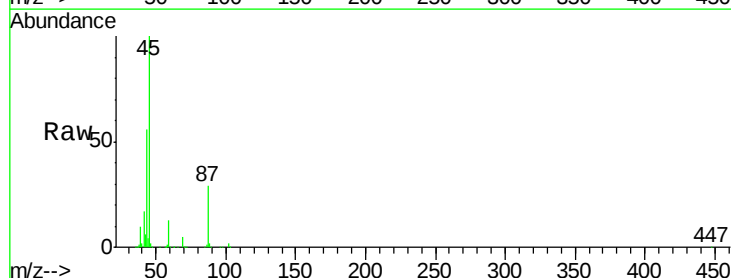
RT: 6.37 min Scan# 757

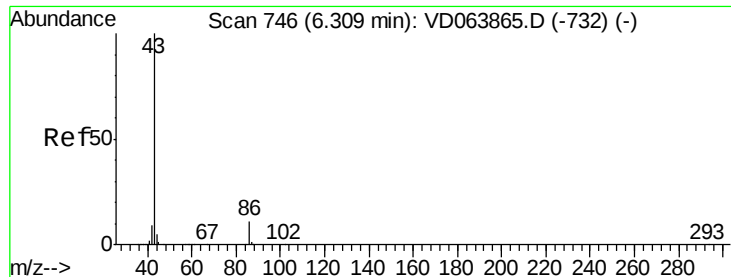
Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion:	45	Resp:	574911
Ion	Ratio	Lower	Upper
45	100		
43	55.3	41.2	61.8
87	29.4	22.2	33.4
59	12.5	9.2	13.8





#23

Vinyl Acetate

Concen: 484.809 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1786567

Ion Ratio Lower Upper

43 100

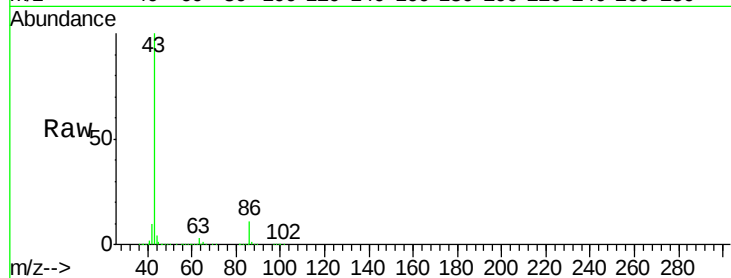
86 11.0 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

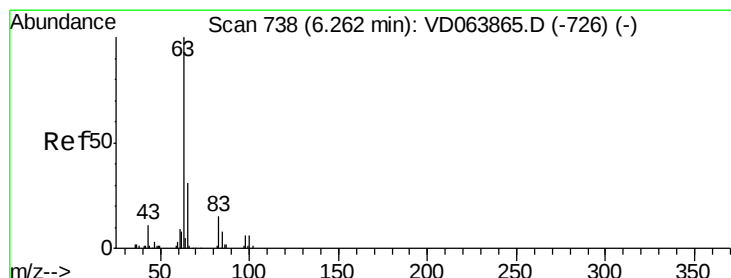
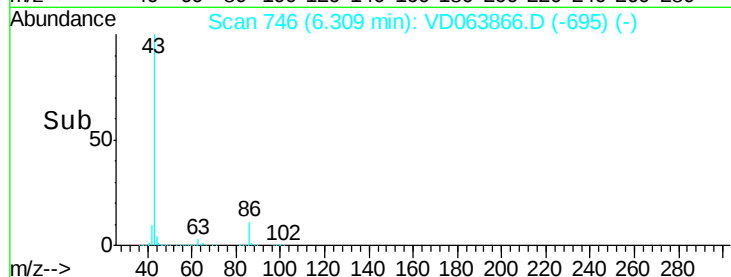
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 97.189 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

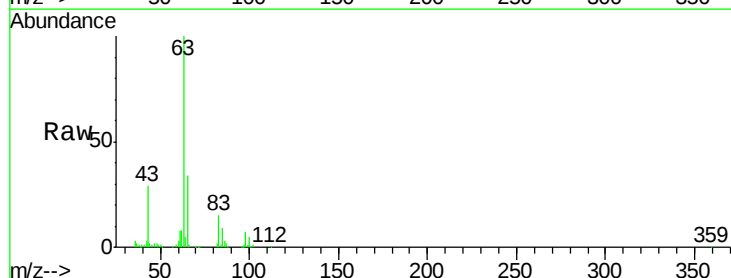
Tgt Ion: 63 Resp: 367603

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 5.0 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

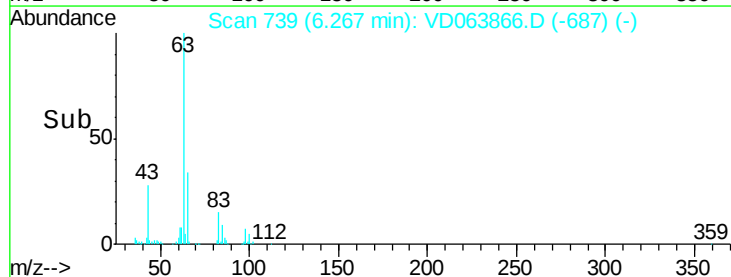
150000

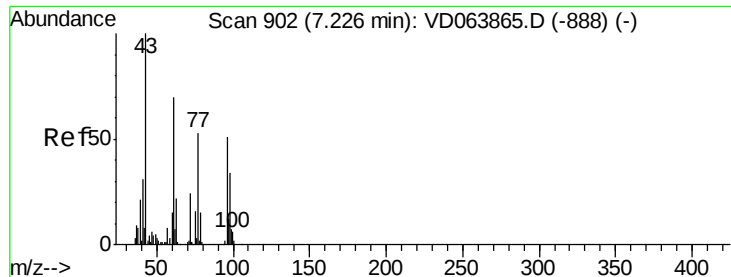
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 523.932 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 331060

Ion Ratio Lower Upper

43 100

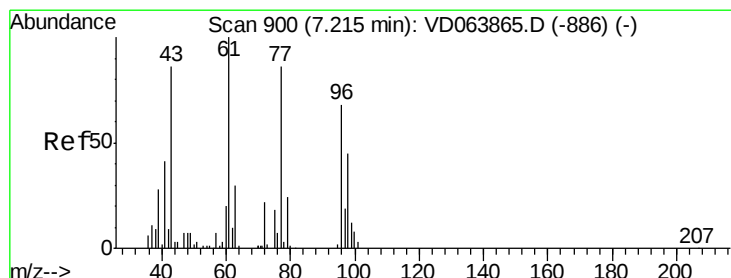
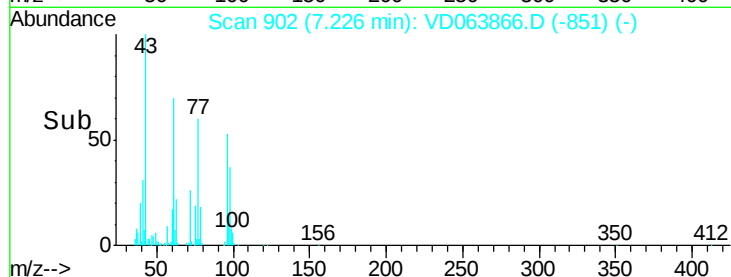
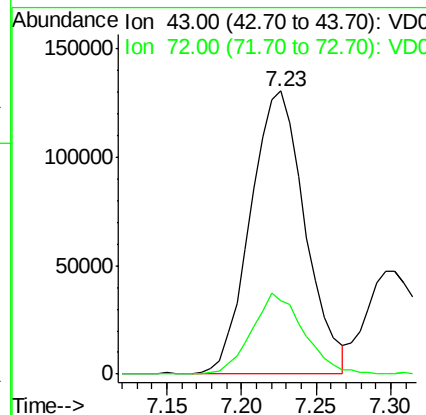
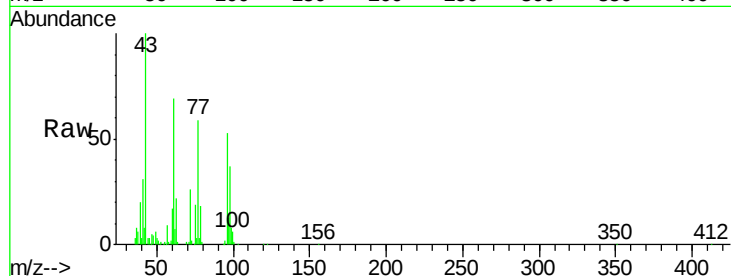
72 25.9 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:28 PM



#26

2,2-Dichloropropane

Concen: 92.730 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063866.D

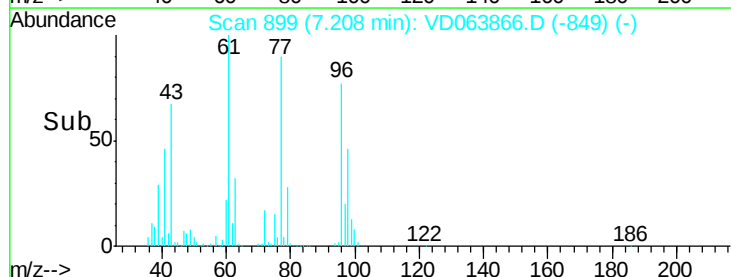
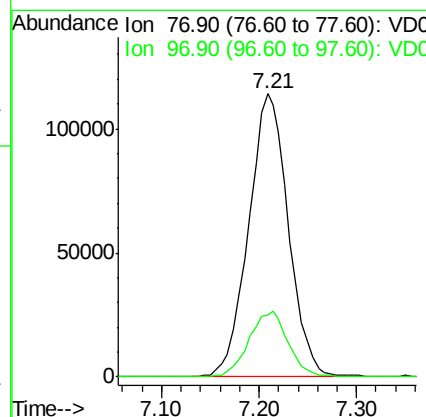
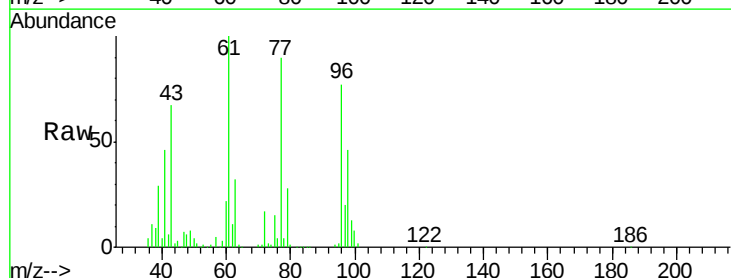
Acq: 02 Oct 2019 18:12

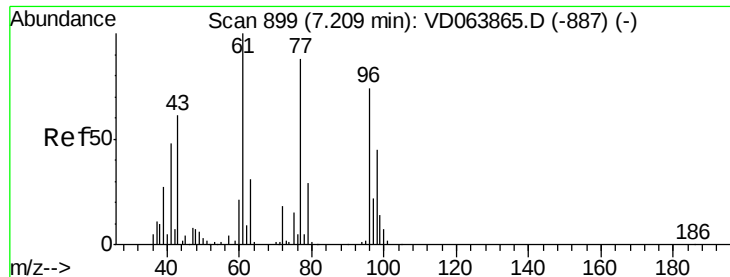
Tgt Ion: 77 Resp: 324414

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1





#27

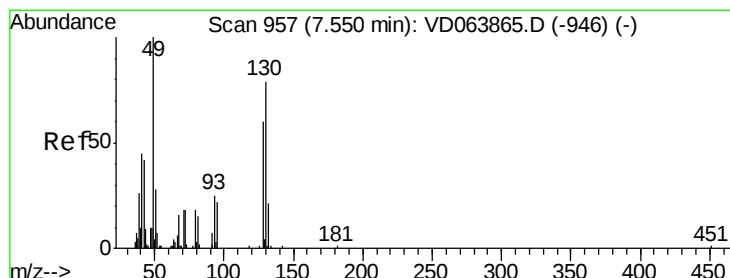
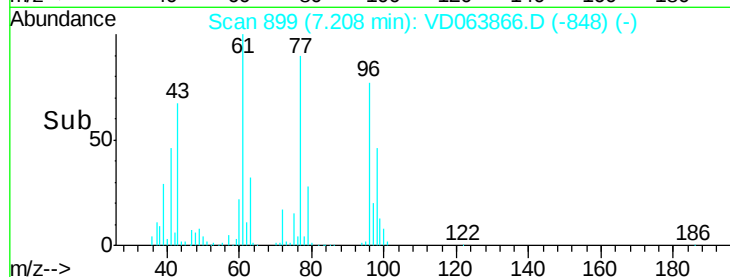
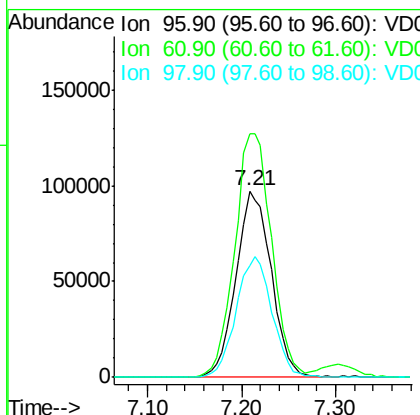
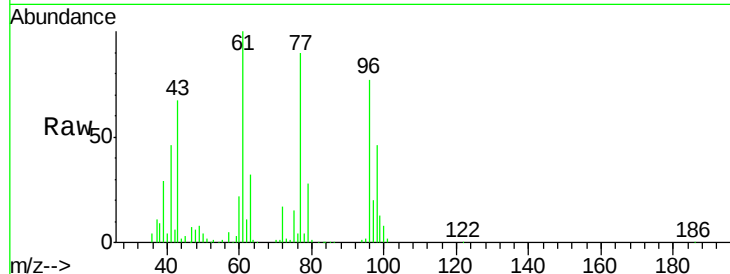
cis-1,2-Dichloroethene
Concen: 102.110 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	253024		
61	136.2	0.0	280.0	
98	66.0	0.0	130.4	

Manual Integrations
APPROVED

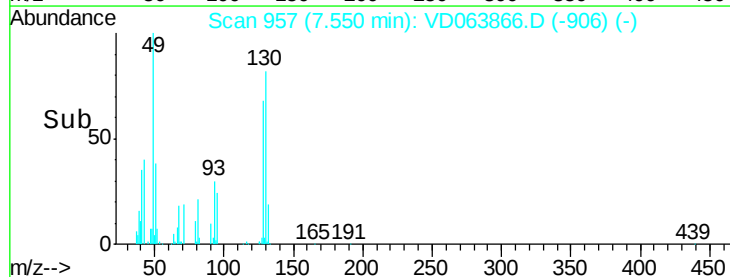
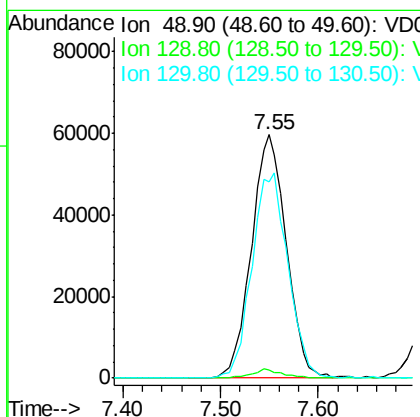
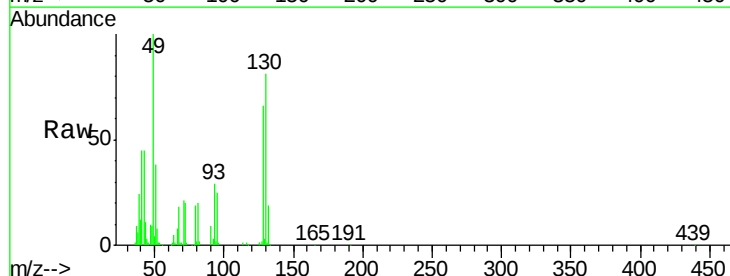
MMDadoda
10/3/2019 12:55:28 PM

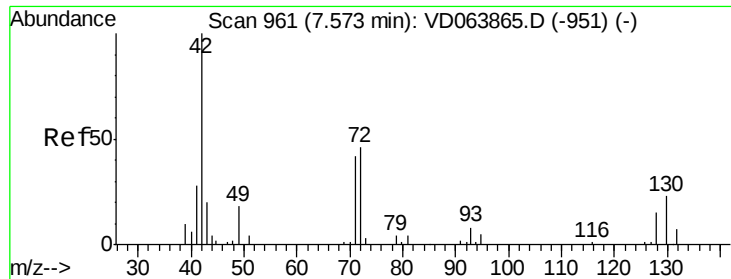


#28

Bromochloromethane
Concen: 102.800 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	149532		
129	3.1	0.0	5.6	
130	87.3	66.8	100.2	





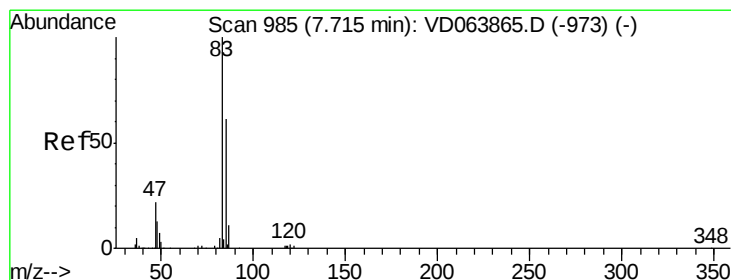
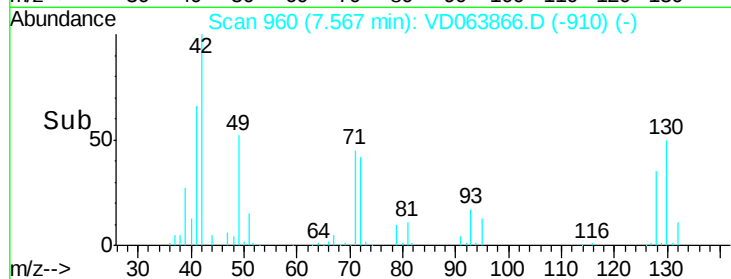
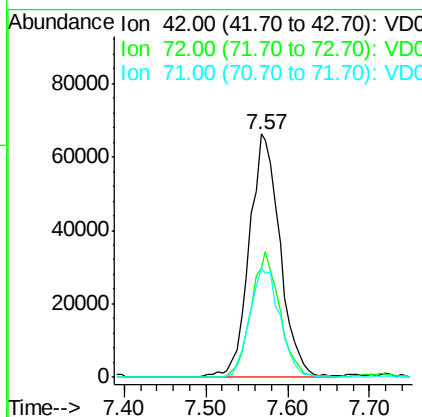
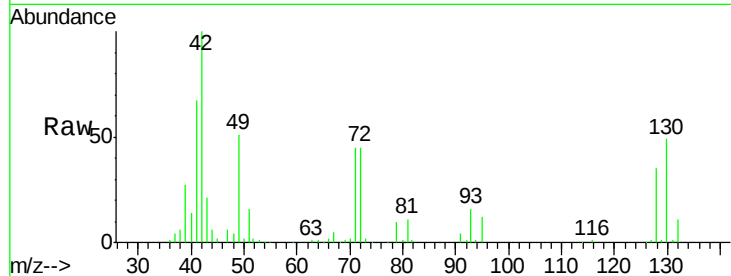
#29
Tetrahydrofuran
Concen: 469.768 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.6	56.4
71	44.5	35.0	52.6

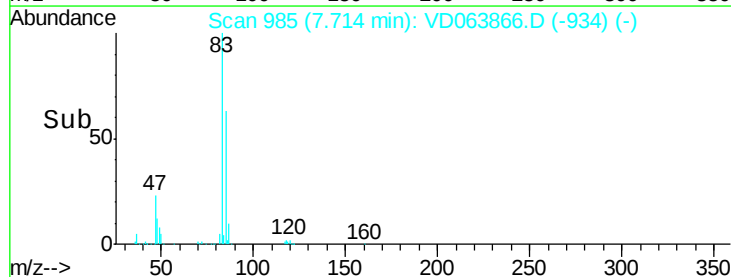
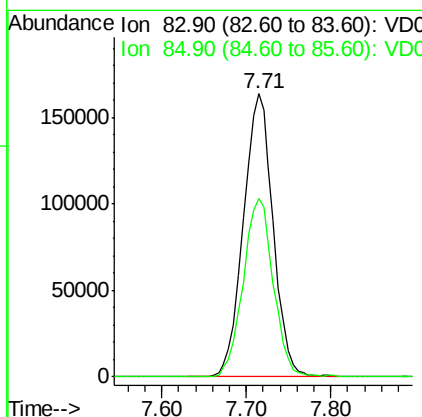
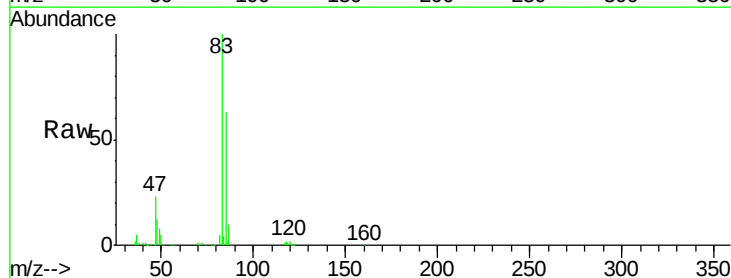
Manual Integrations
APPROVED

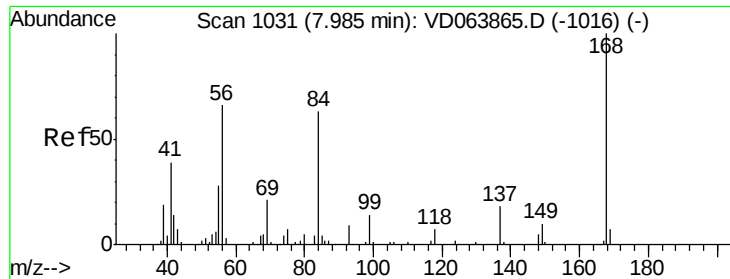
MMDadoda
10/3/2019 12:55:28 PM



#30
Chloroform
Concen: 97.581 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	48.9	73.3





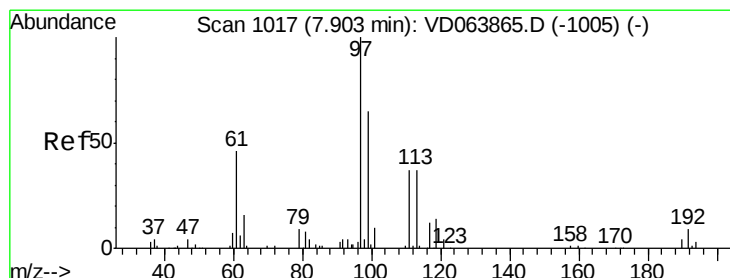
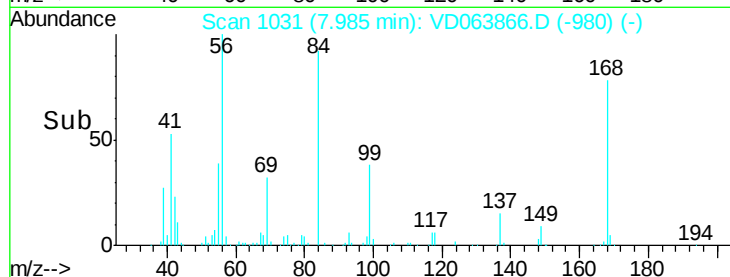
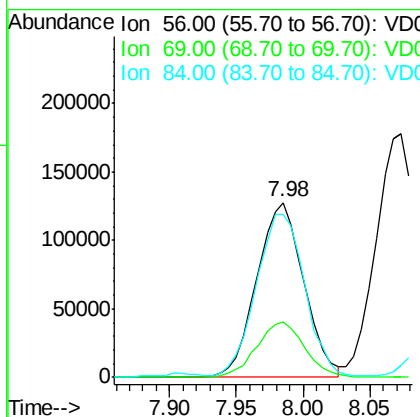
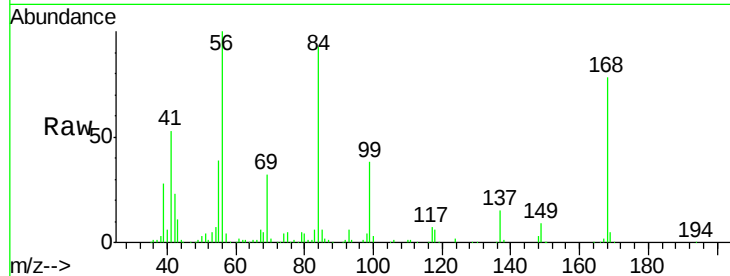
#31
Cyclohexane
Concen: 84.281 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.4
84	91.2	76.3	114.5

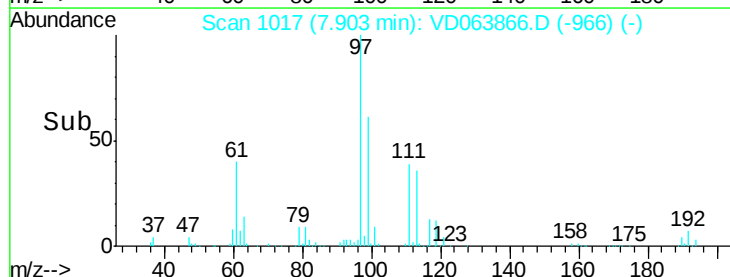
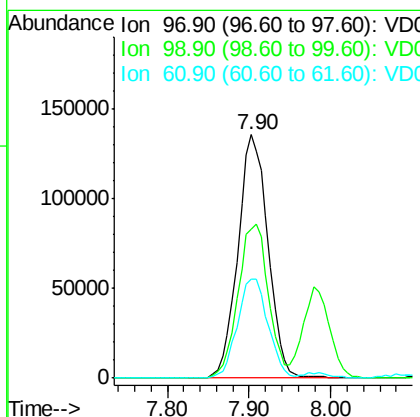
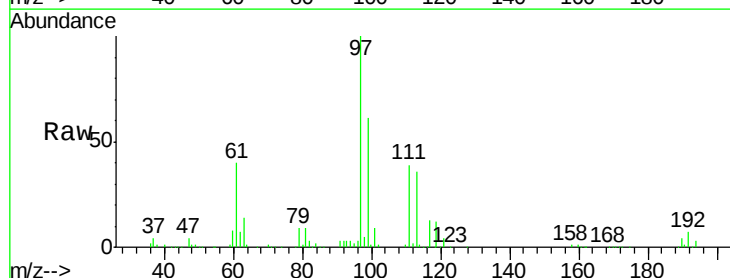
Manual Integrations
APPROVED

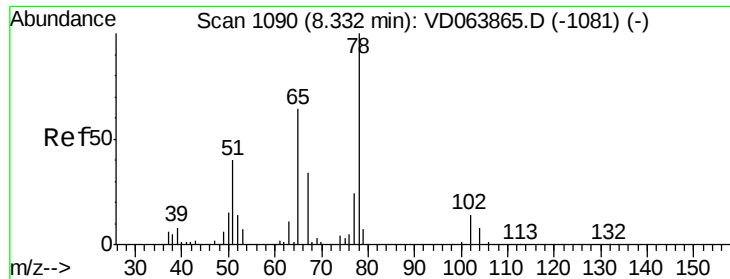
MMDadoda
10/3/2019 12:55:28 PM



#32
1,1,1-Trichloroethane
Concen: 94.322 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	41.5	33.8	50.8





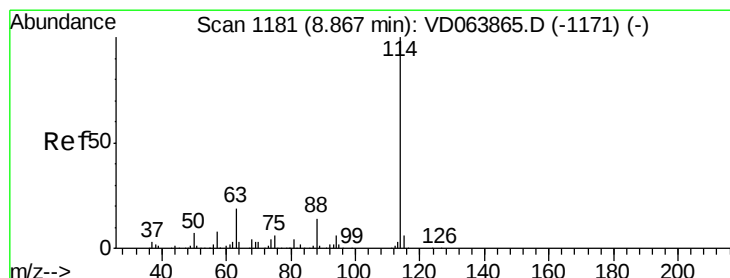
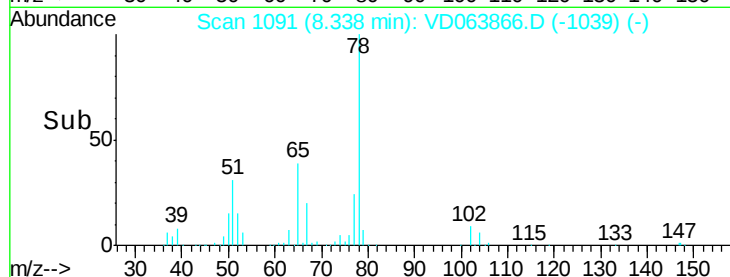
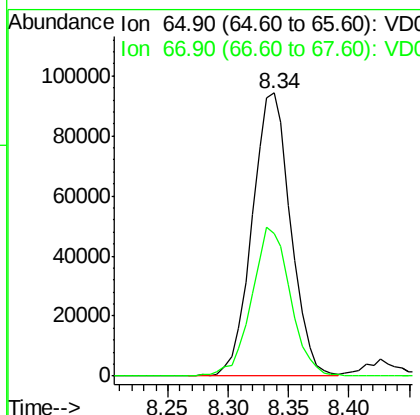
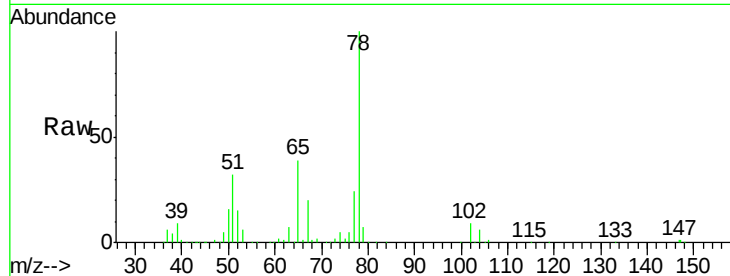
#33
 1,2-Dichloroethane-d4
 Concen: 99.753 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209352		
67	52.9	0.0	106.4	

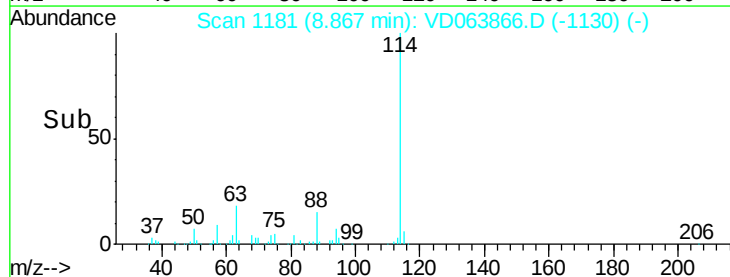
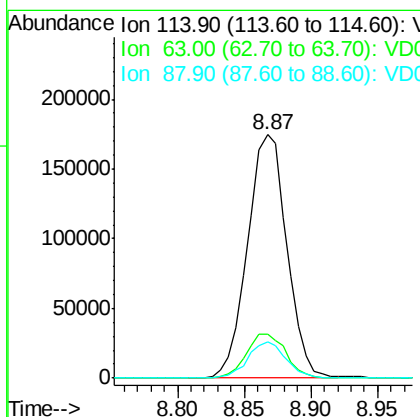
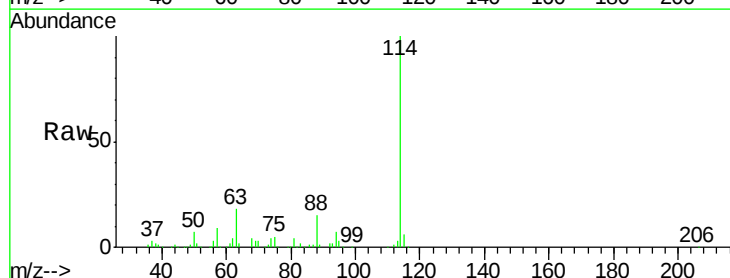
Manual Integrations
 APPROVED

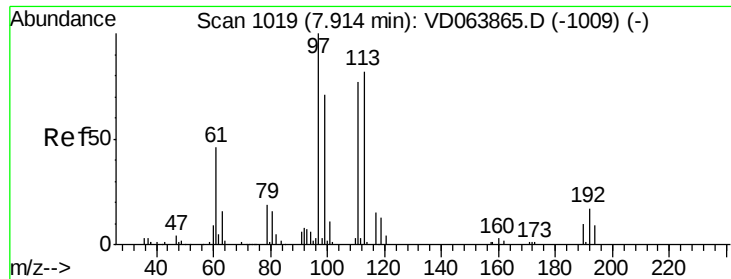
MMDadoda
 10/3/2019 12:55:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355680		
63	17.9	0.0	38.4	
88	15.0	0.0	27.4	





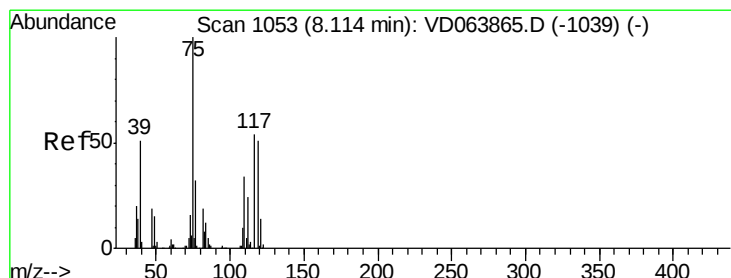
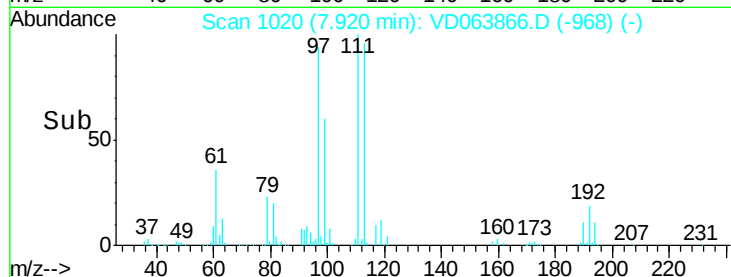
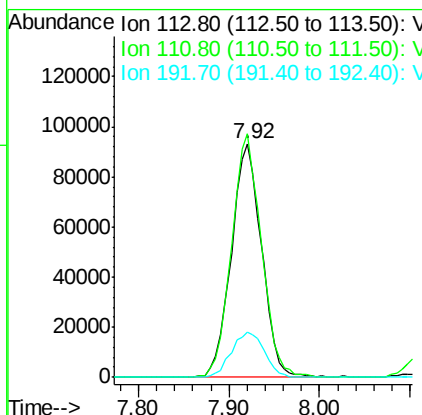
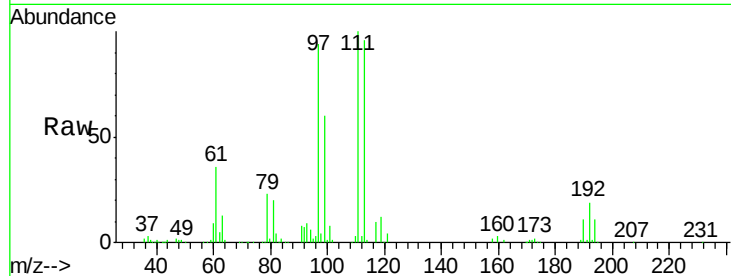
#35
 Dibromofluoromethane
 Concen: 96.617 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	21.1	17.1	25.7

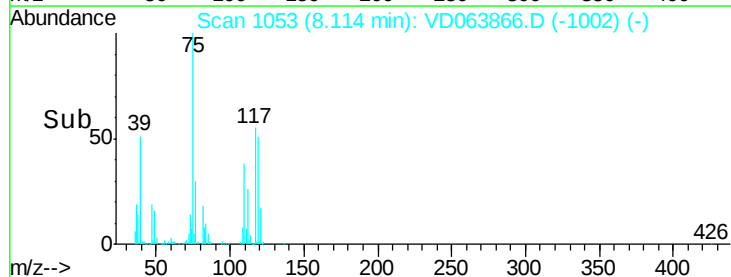
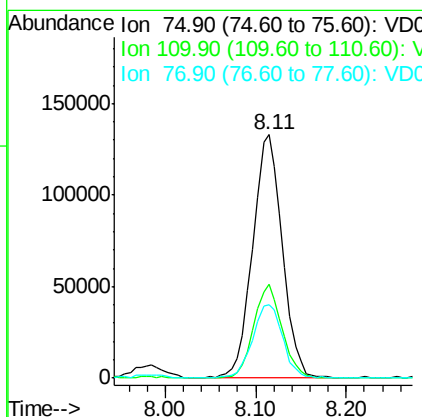
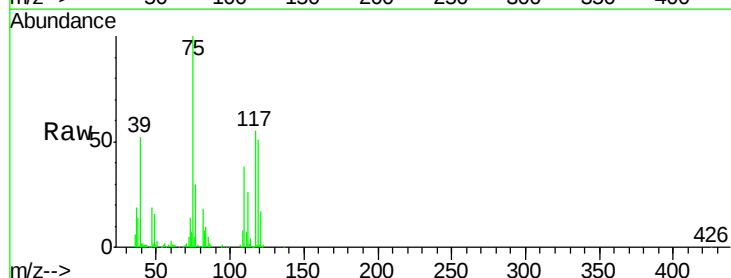
Manual Integrations
 APPROVED

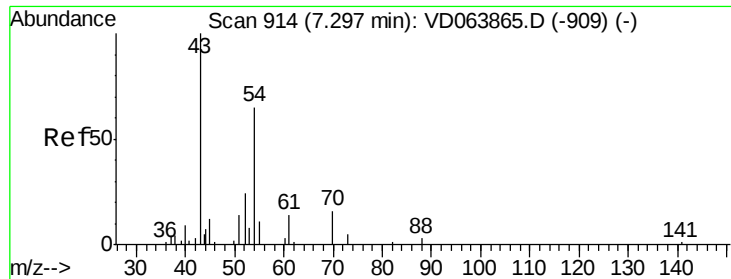
MMDadoda
 10/3/2019 12:55:28 PM



#36
 1,1-Dichloropropene
 Concen: 94.225 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.3
77	30.8	25.4	38.0





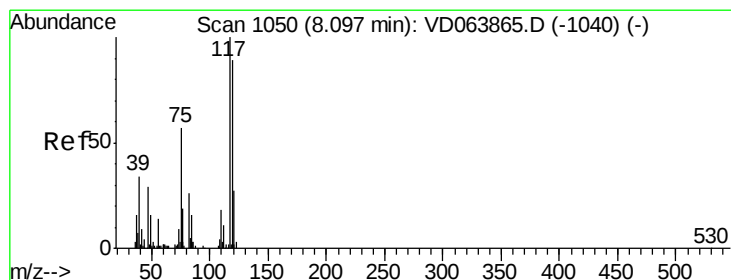
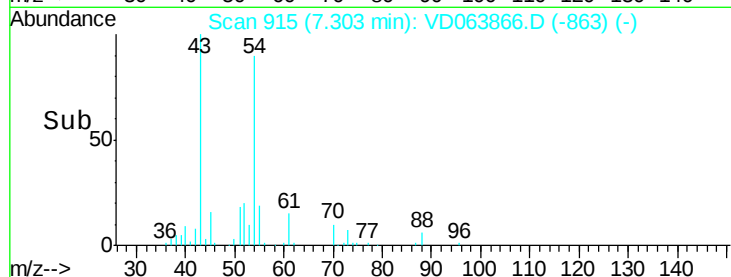
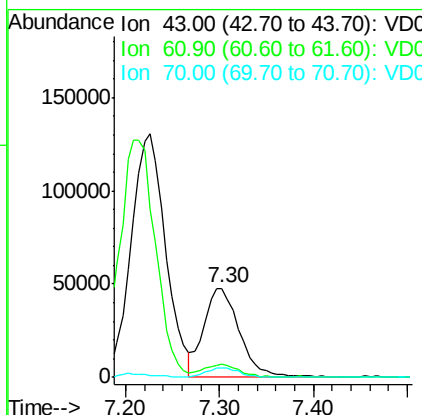
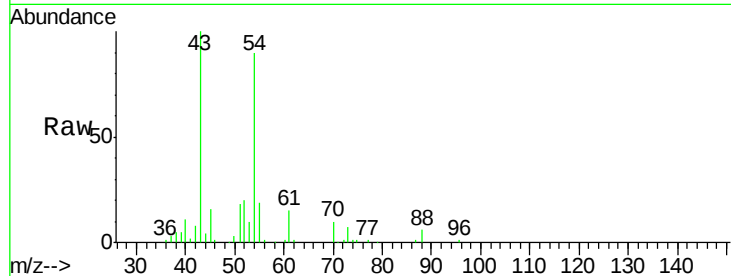
#37
Ethyl Acetate
Concen: 91.504 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	10.3	8.2	12.4

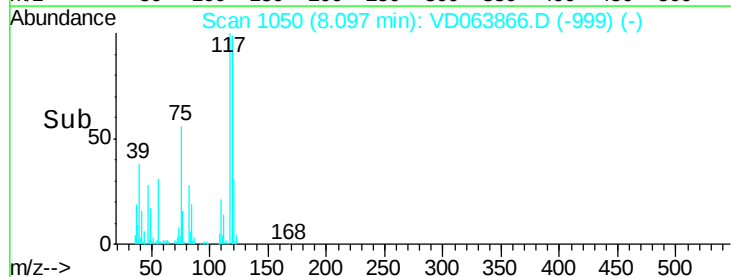
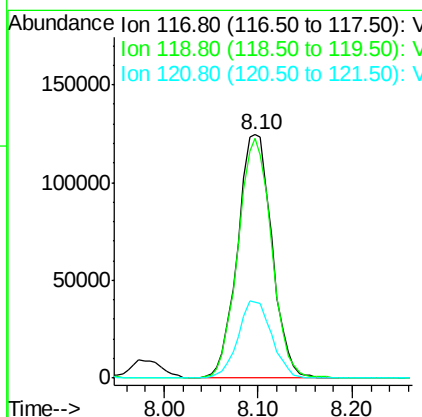
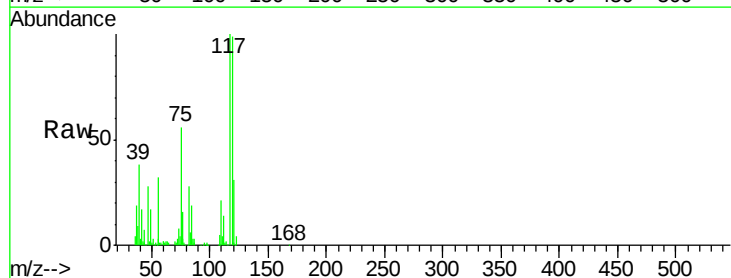
Manual Integrations
APPROVED

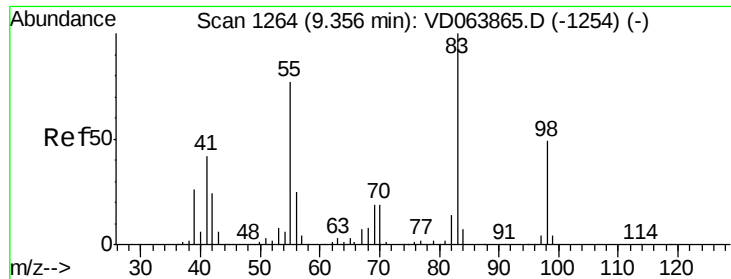
MMDadoda
10/3/2019 12:55:28 PM



#38
Carbon Tetrachloride
Concen: 94.536 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	70.8	106.2
121	31.2	21.4	32.0





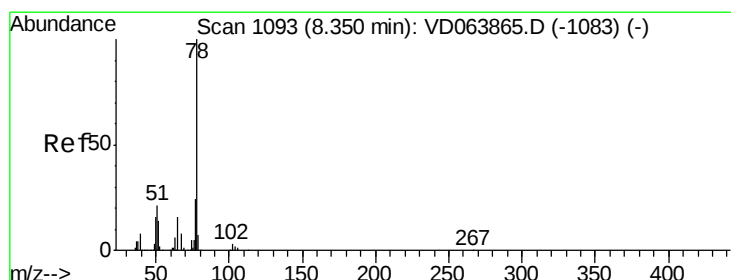
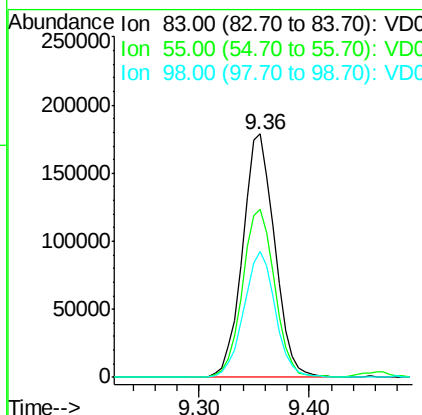
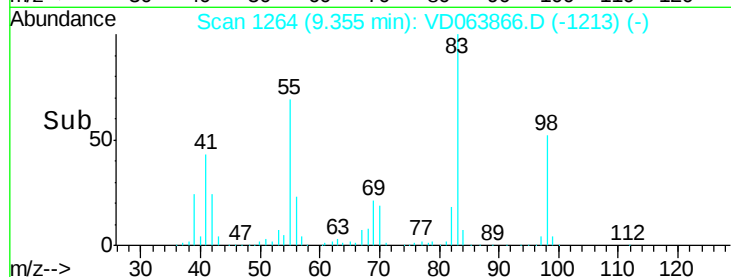
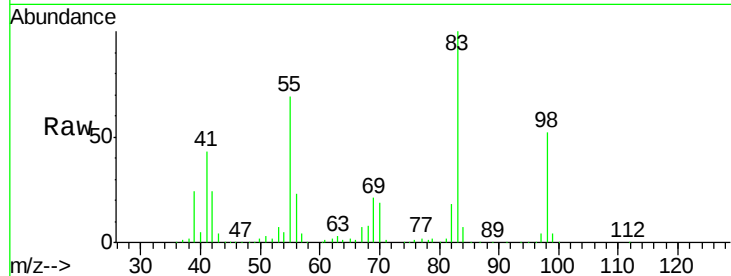
#39
Methylvlcvclohexane
Concen: 91.577 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	365781		
55	69.0		61.3	91.9
98	51.9		39.3	58.9

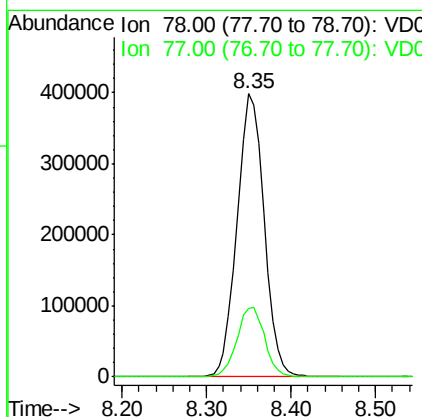
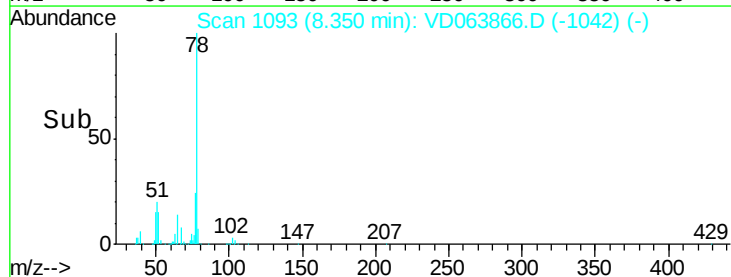
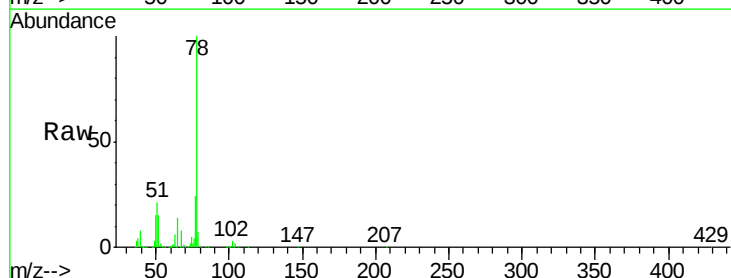
Manual Integrations
APPROVED

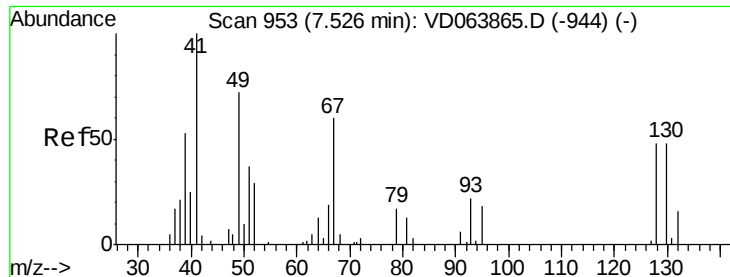
MMDadoda
10/3/2019 12:55:28 PM



#40
Benzene
Concen: 99.383 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	886372		
77	24.2		19.0	28.6





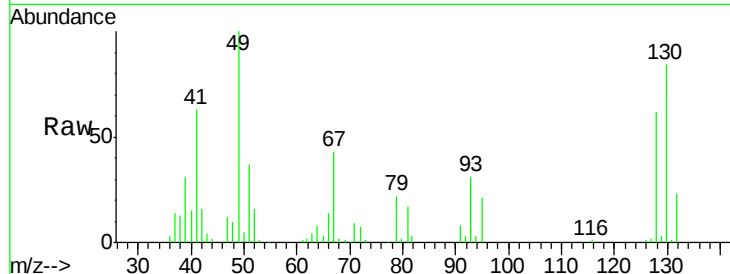
#41
Methacrylonitrile
Concen: 84.002 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.1	52.6	78.8
67	88.8	74.2	111.2
52	34.4	34.0	51.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



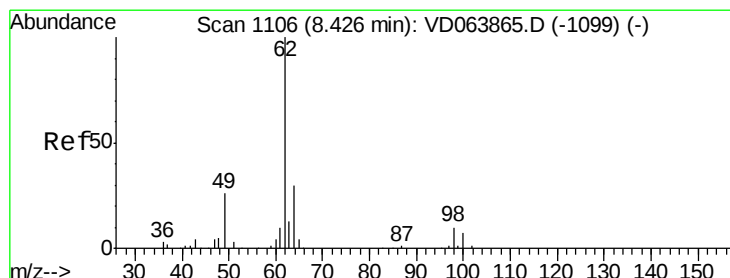
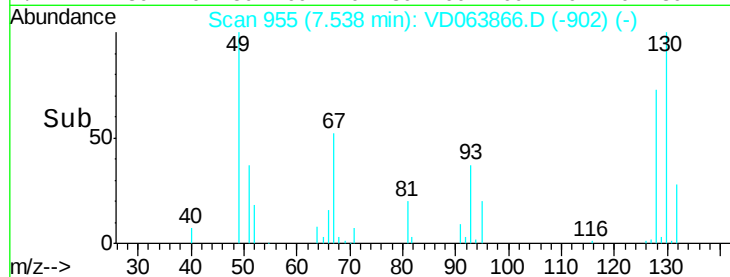
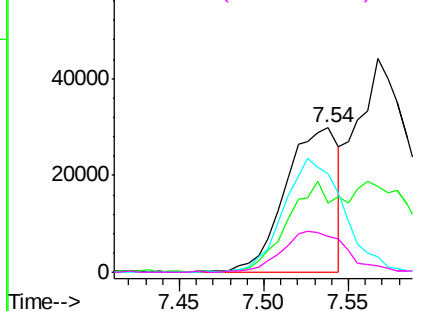
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

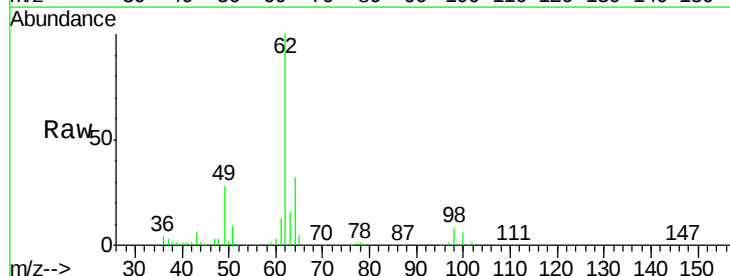
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 94.375 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

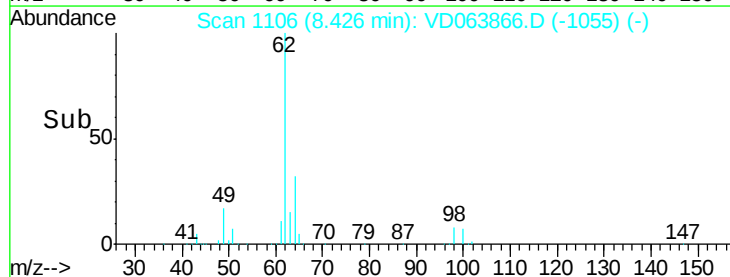
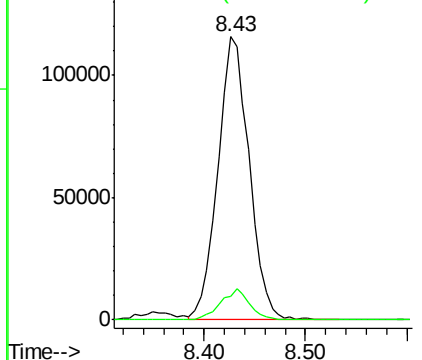
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0

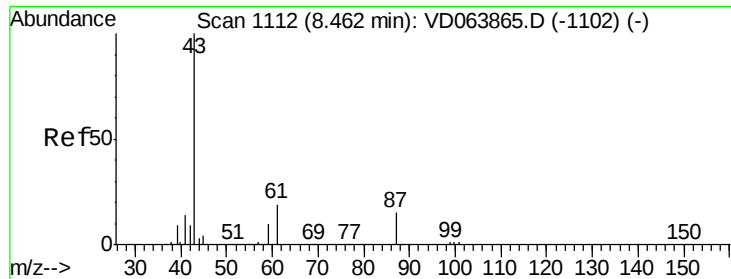


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 91.010 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

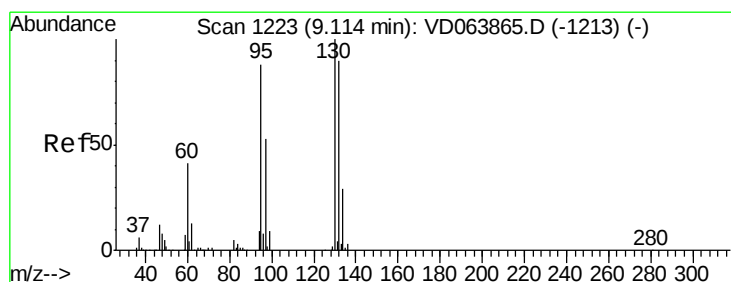
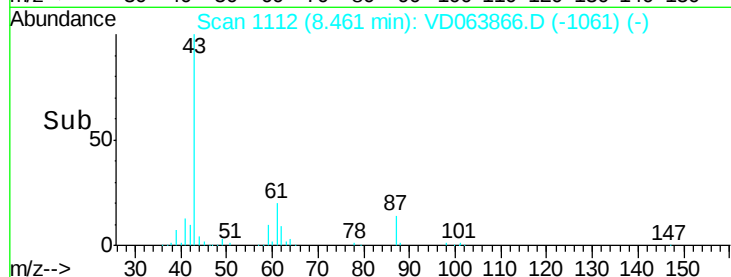
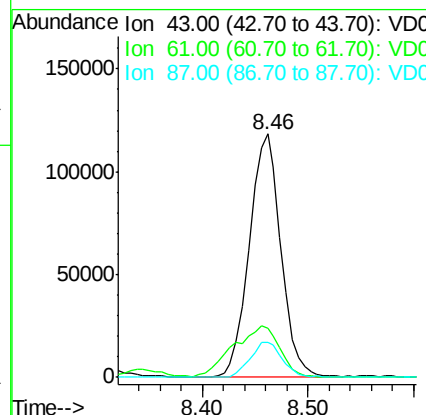
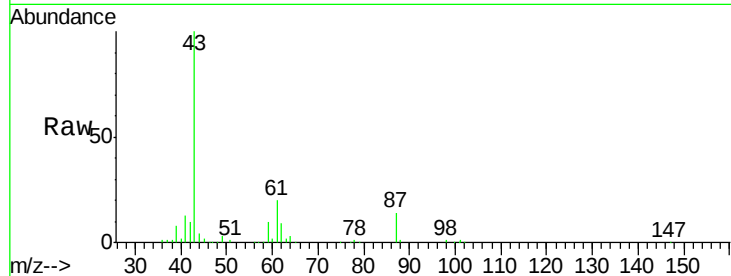
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	246555
Ion Ratio	Lower	Upper	
43	100		
61	31.1	25.7	38.5
87	14.7	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#44

Trichloroethene

Concen: 97.728 ug/l

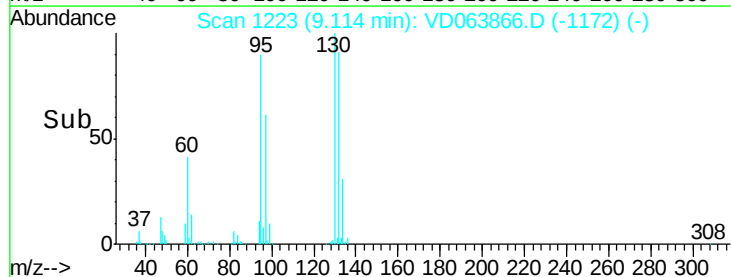
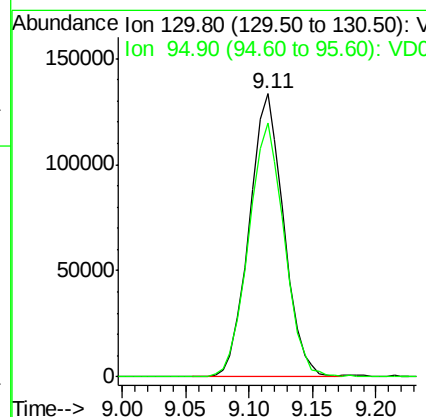
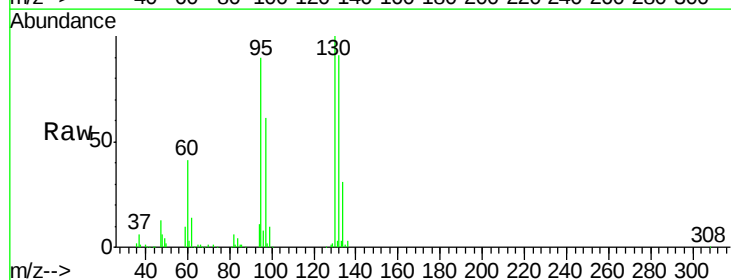
RT: 9.11 min Scan# 1223

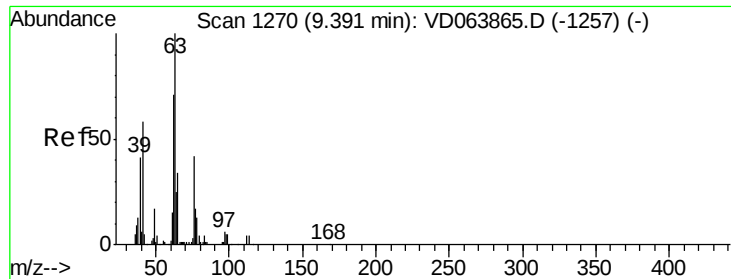
Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion:	130	Resp:	252900
Ion Ratio	Lower	Upper	
130	100		
95	89.8	0.0	175.6





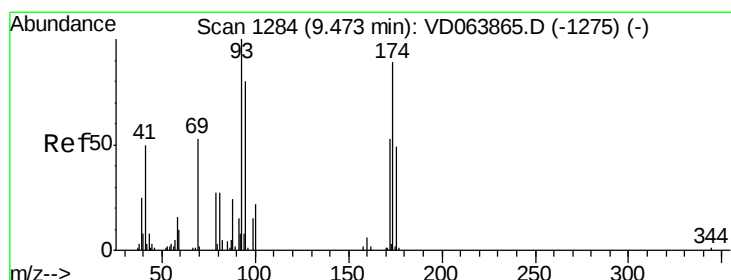
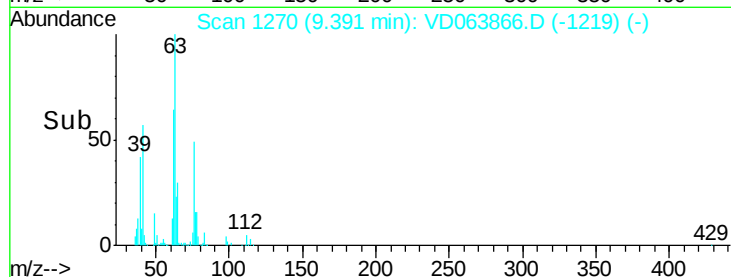
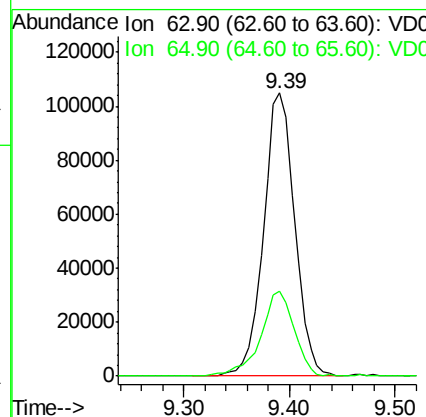
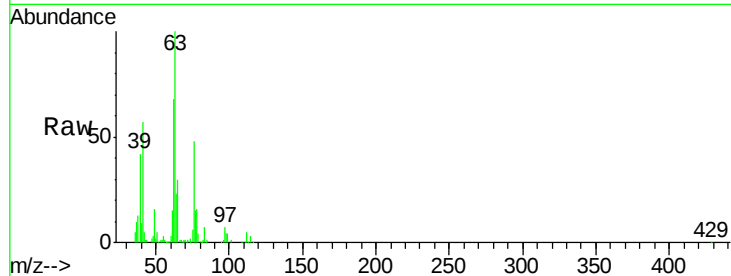
#45
 1,2-Dichloropropane
 Concen: 97.429 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	27.3	40.9

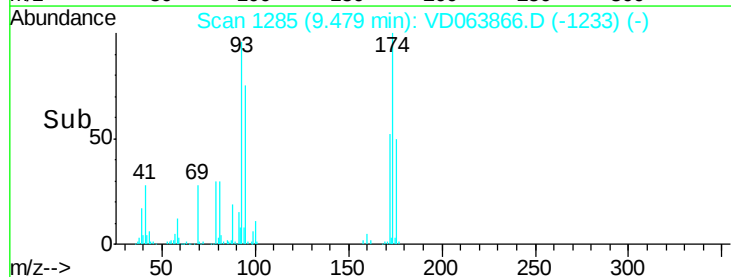
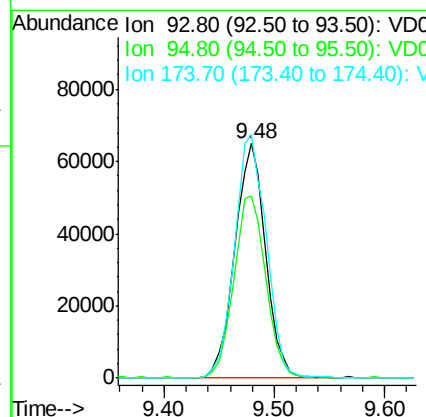
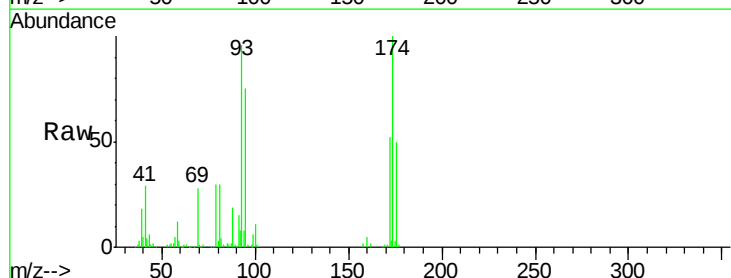
Manual Integrations
 APPROVED

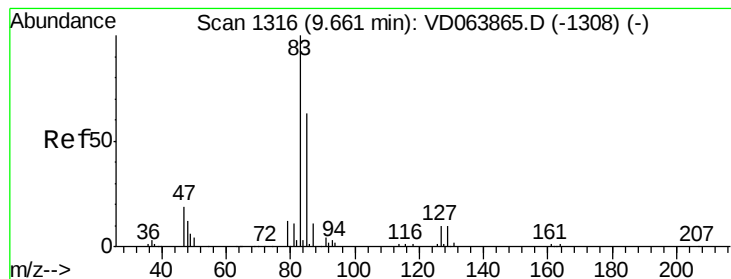
MMDadoda
 10/3/2019 12:55:28 PM



#46
 Dibromomethane
 Concen: 101.891 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.0	99.0
174	106.7	83.4	125.0





#47

Bromodichloromethane

Concen: 99.933 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

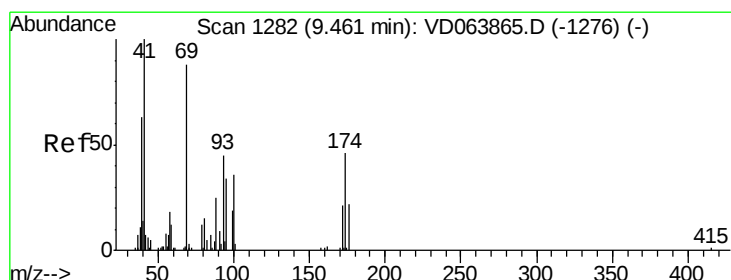
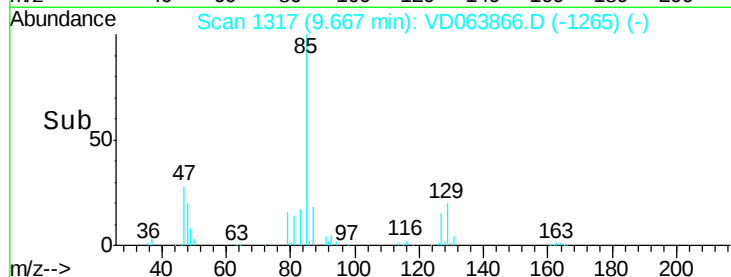
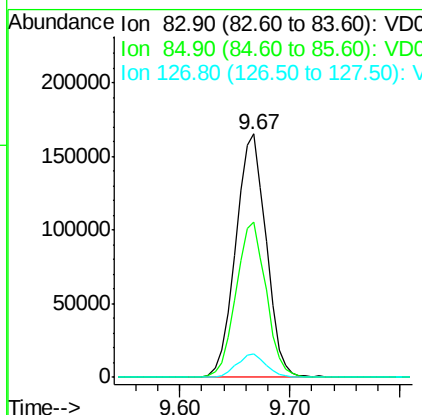
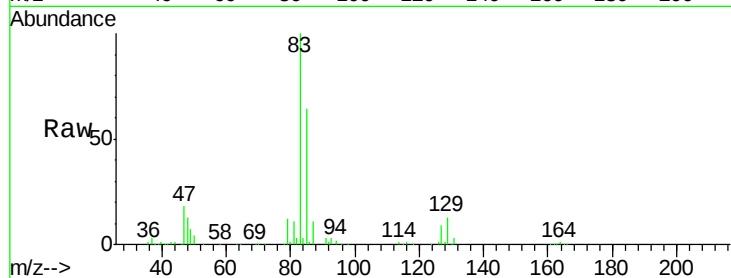
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	320230
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.2
127	9.4	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#48

Methyl methacrylate

Concen: 90.712 ug/l

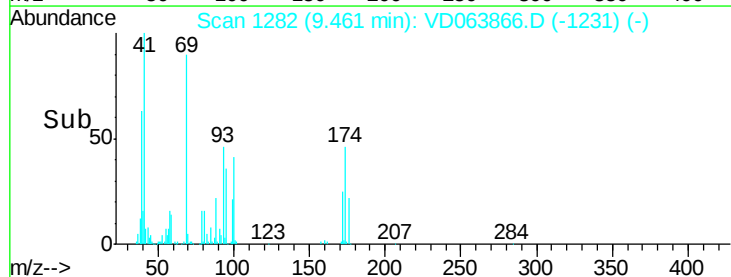
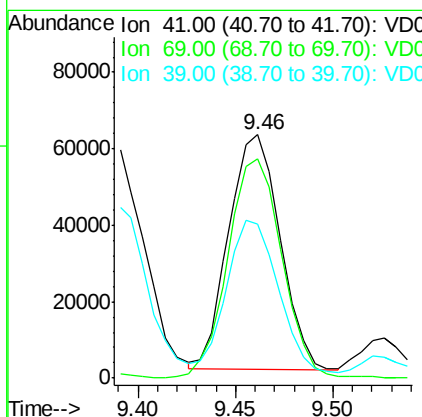
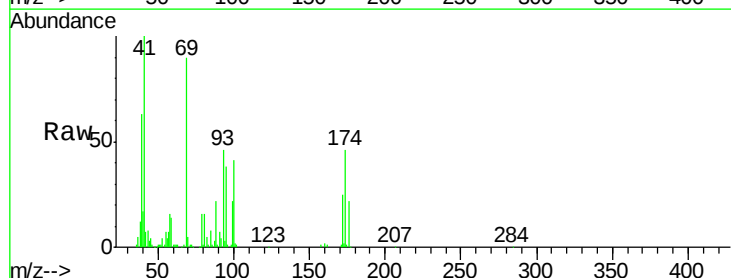
RT: 9.46 min Scan# 1282

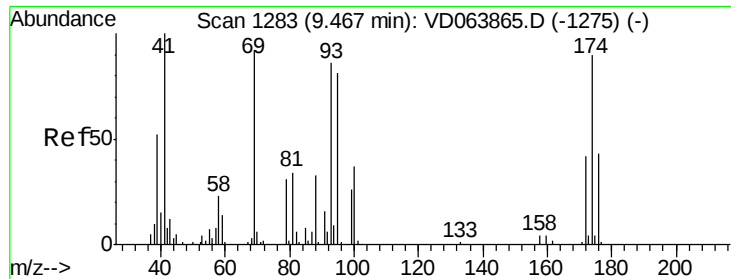
Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion:	41	Resp:	112018
Ion	Ratio	Lower	Upper
41	100		
69	98.9	75.1	112.7
39	64.5	50.2	75.2





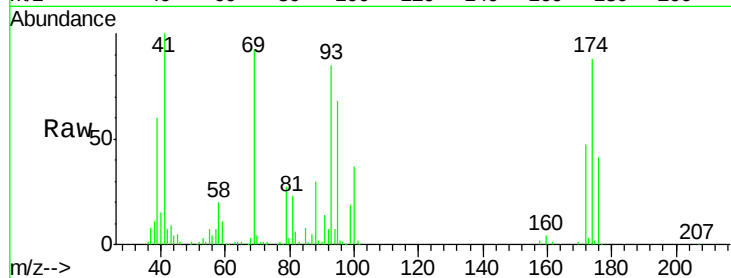
#49
1,4-Dioxane
Concen: 1968.396 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

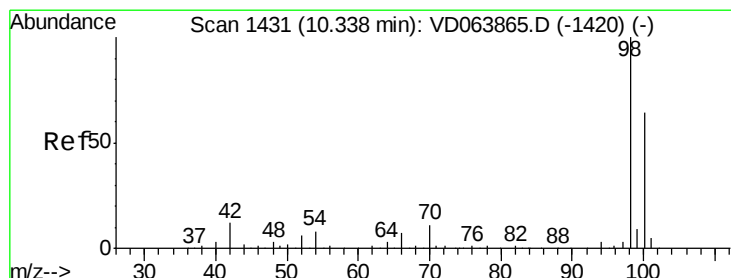
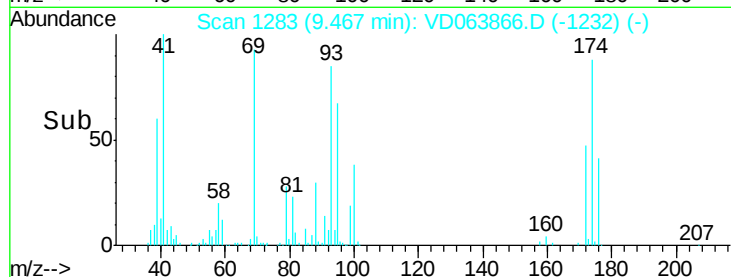
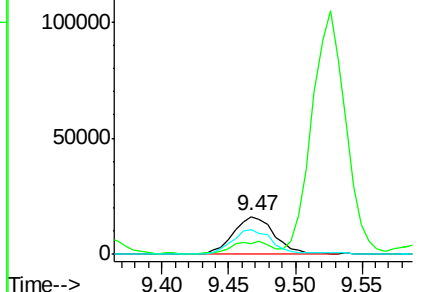
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.6	41.4
58	66.7	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM

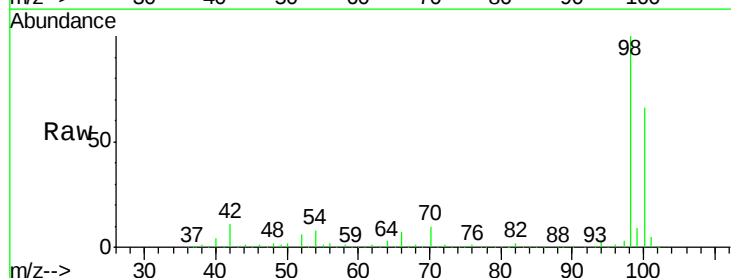


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

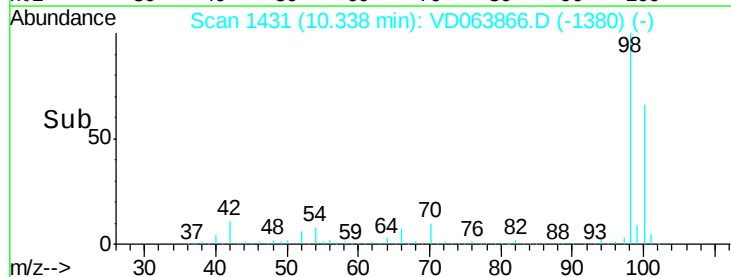
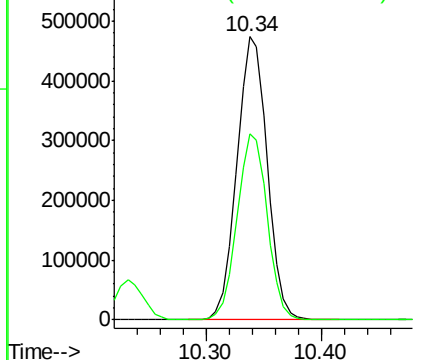


#50
Toluene-d8
Concen: 101.652 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1



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





#51

4-Methyl-2-Pentanone

Concen: 470.474 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 646423

Ion Ratio Lower Upper

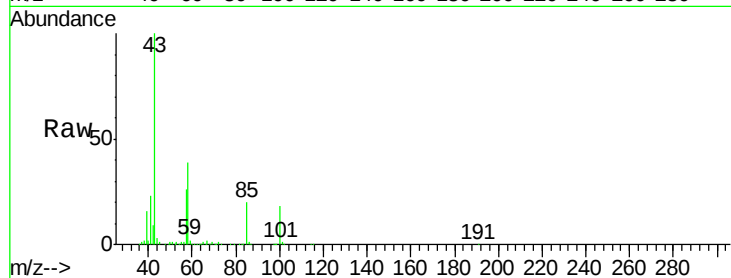
43 100

58 39.2 33.0 49.4

Manual Integrations
APPROVED

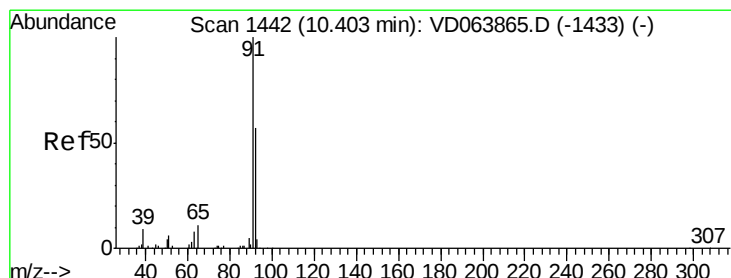
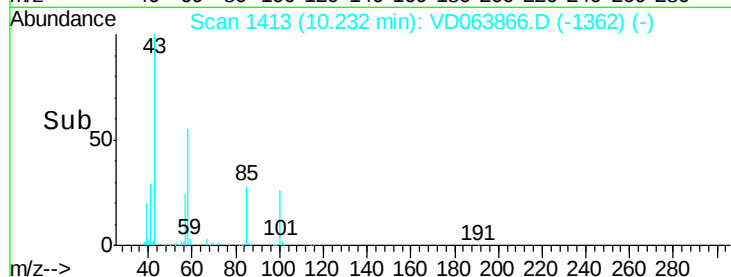
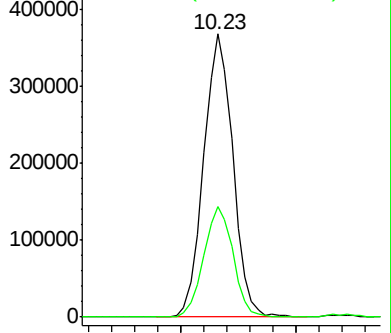
MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 99.329 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063866.D

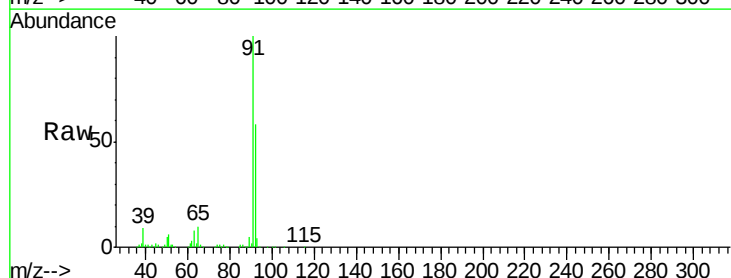
Acq: 02 Oct 2019 18:12

Tgt Ion: 92 Resp: 602021

Ion Ratio Lower Upper

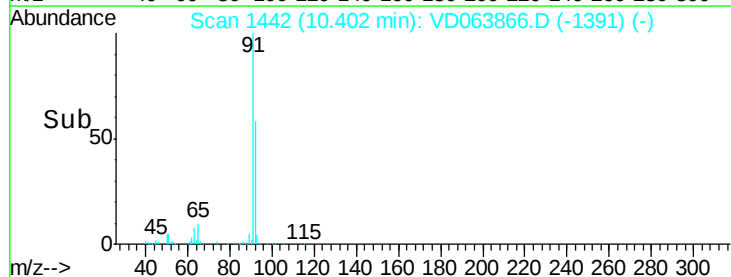
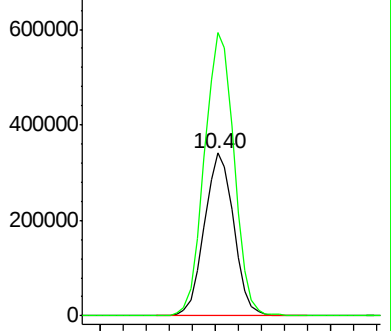
92 100

91 175.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





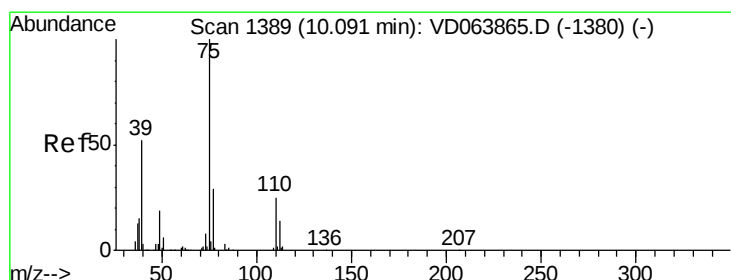
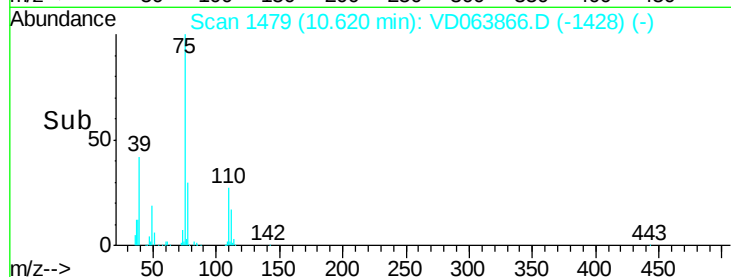
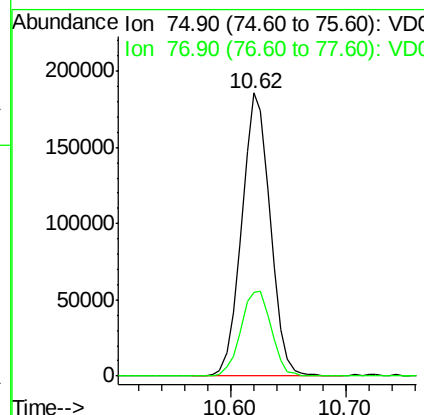
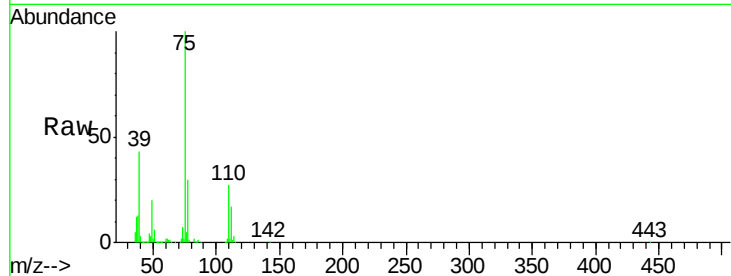
#53
 t-1,3-Dichloropropene
 Concen: 99.826 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 317300
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.8 34.2

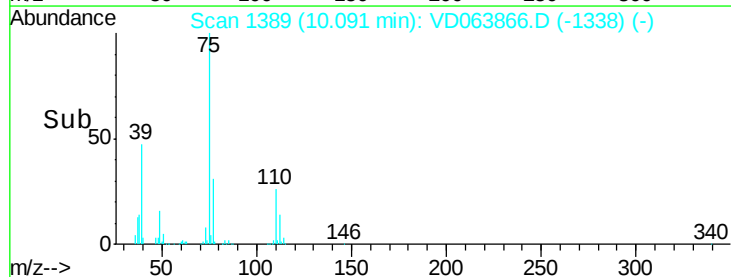
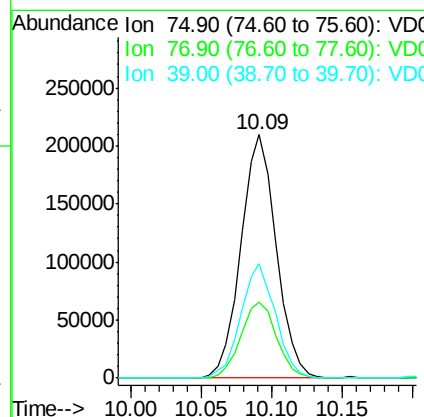
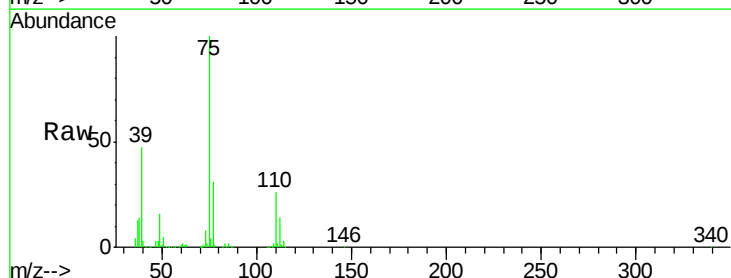
Manual Integrations
 APPROVED

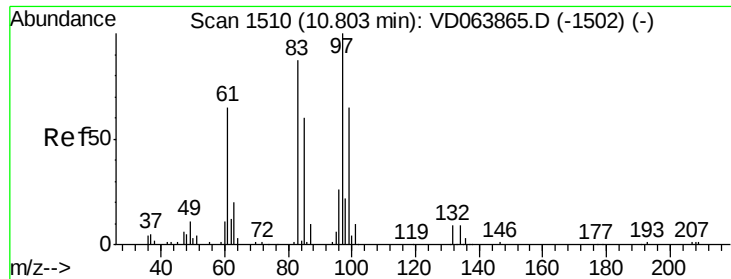
MMDadoda
 10/3/2019 12:55:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 102.043 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion: 75 Resp: 367301
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 34.8
 39 46.9 41.5 62.3





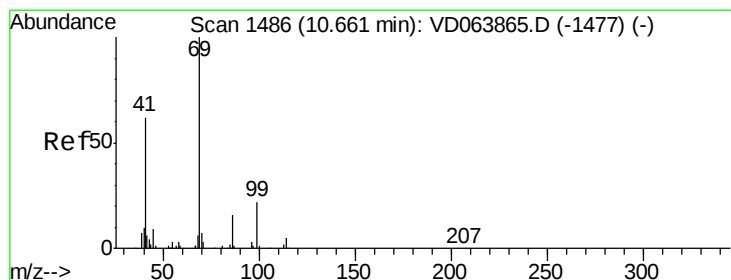
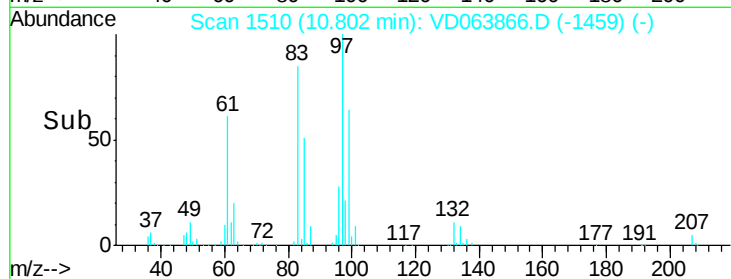
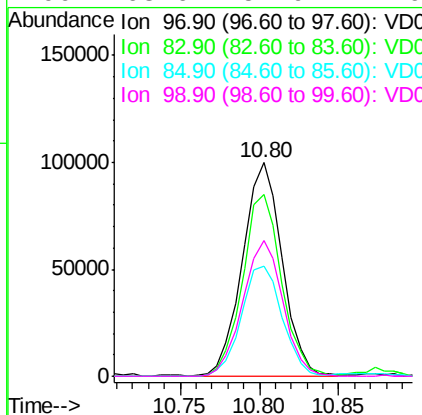
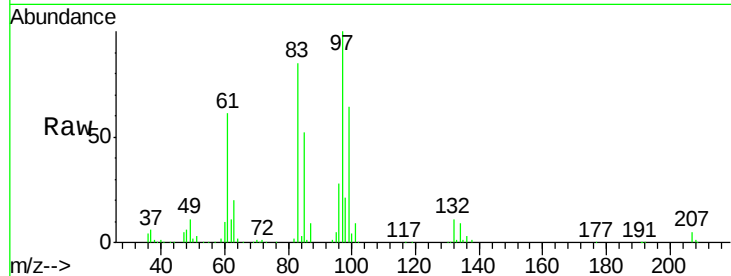
#55
 1,1,2-Trichloroethane
 Concen: 99.122 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	174100
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.7	104.5
85	51.6	48.1	72.1
99	63.6	51.9	77.9

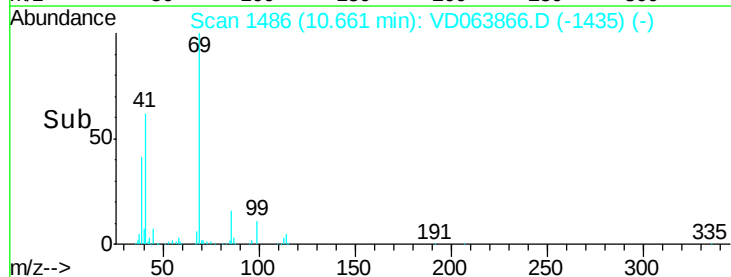
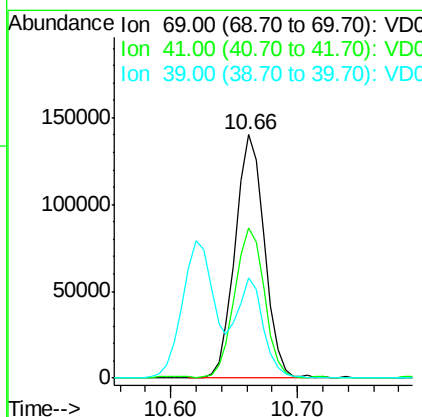
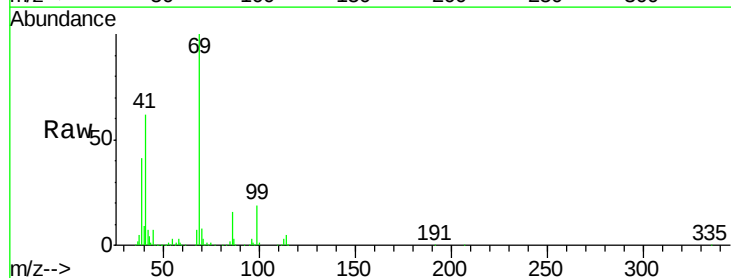
Manual Integrations
 APPROVED

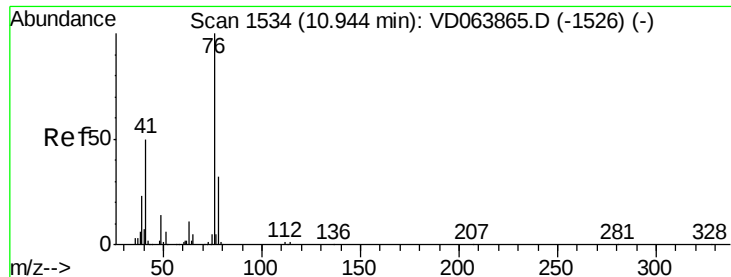
MMDadoda
 10/3/2019 12:55:28 PM



#56
 Ethyl methacrylate
 Concen: 99.997 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion:	69	Resp:	223949
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.3	76.9
39	37.7	28.0	42.0





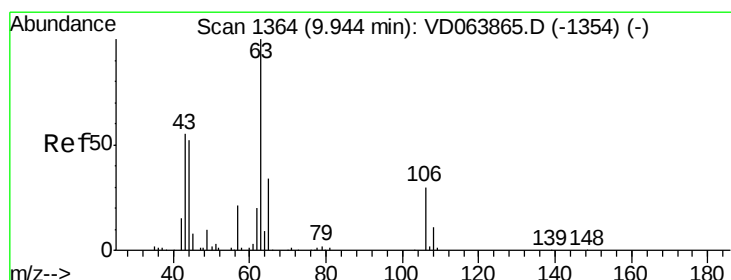
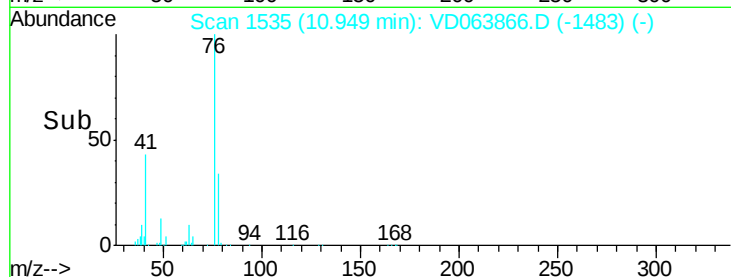
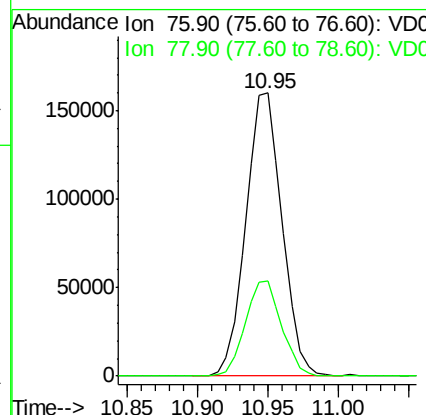
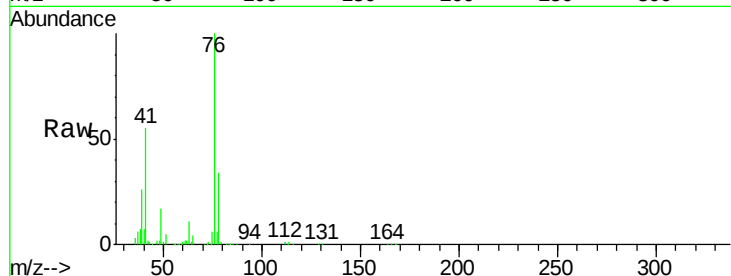
#57
 1,3-Dichloropropane
 Concen: 95.942 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.6	40.0

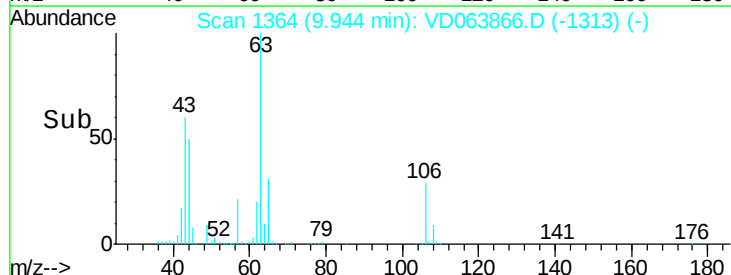
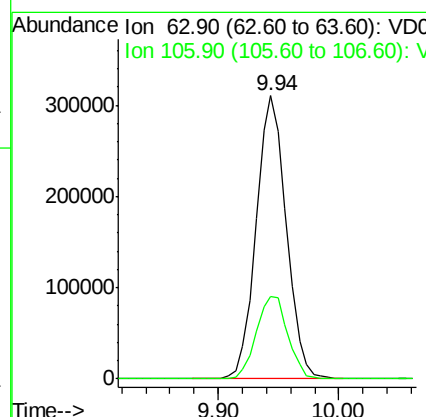
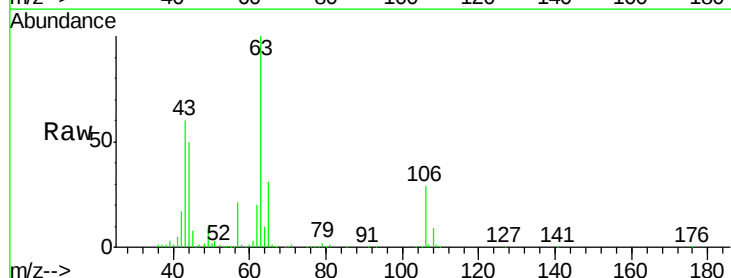
Manual Integrations
 APPROVED

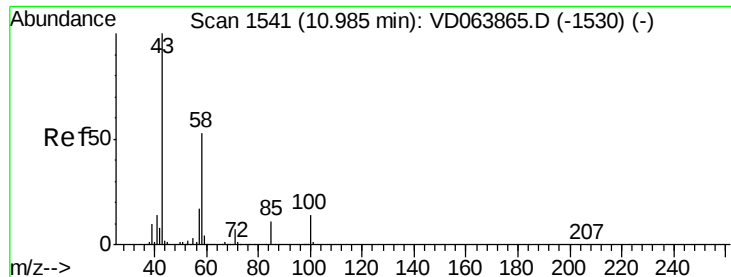
MMDadoda
 10/3/2019 12:55:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 536.937 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.3	36.5





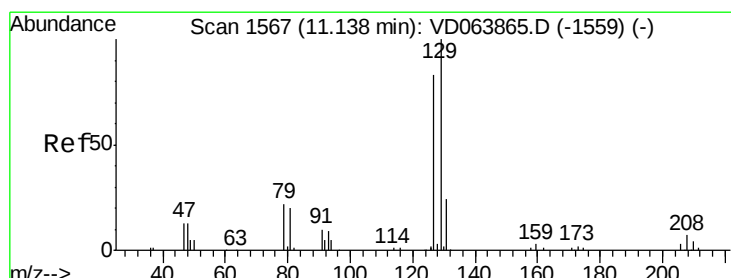
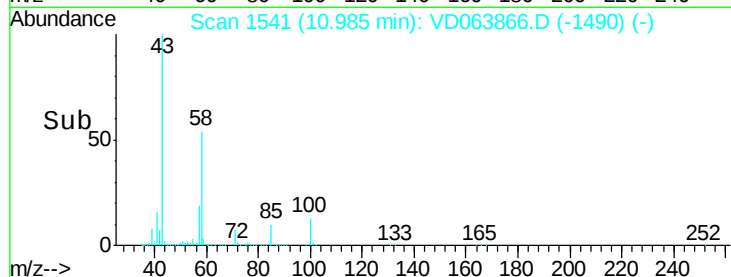
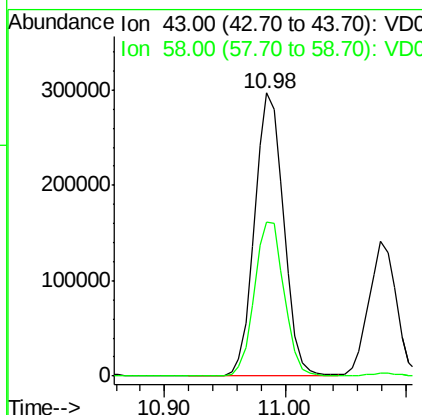
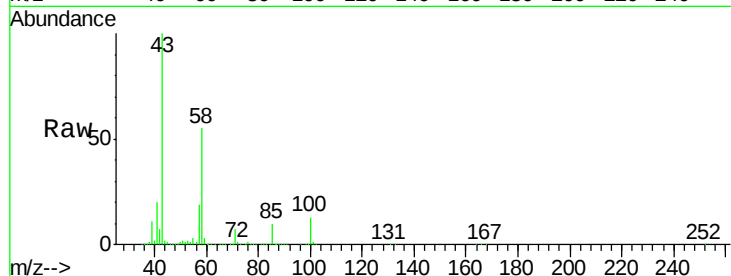
#59
2-Hexanone
Concen: 502.957 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 501155
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.0

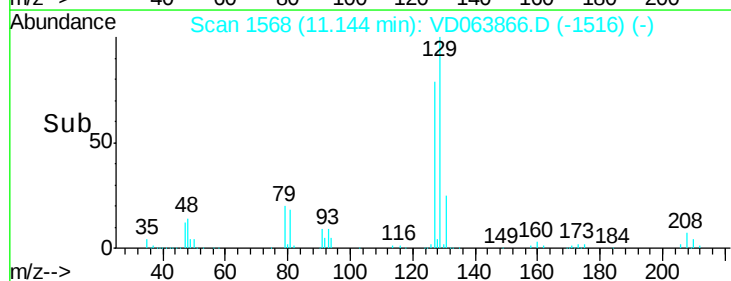
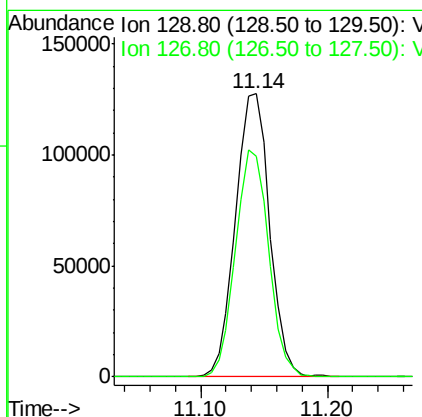
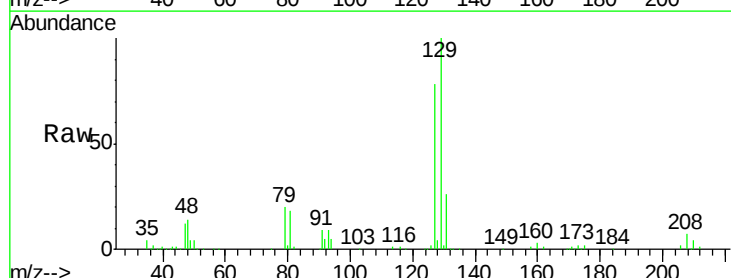
Manual Integrations
APPROVED

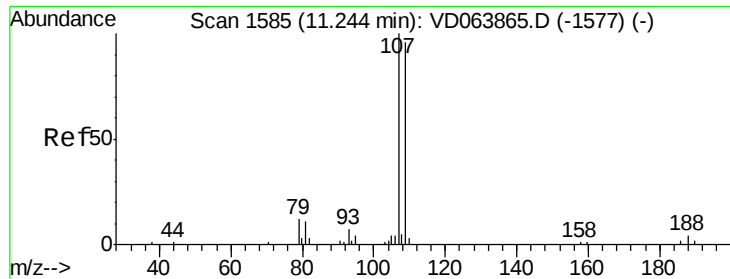
MMDadoda
10/3/2019 12:55:28 PM



#60
Dibromochloromethane
Concen: 103.026 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion: 129 Resp: 239075
Ion Ratio Lower Upper
129 100
127 77.9 39.9 119.6





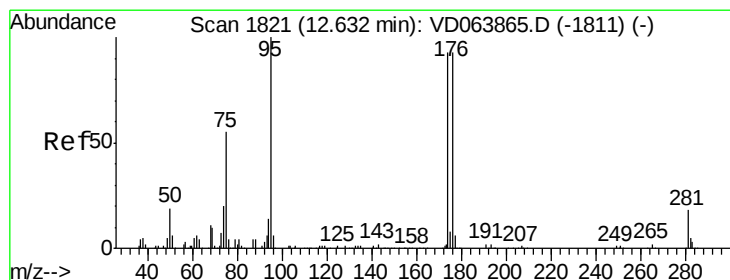
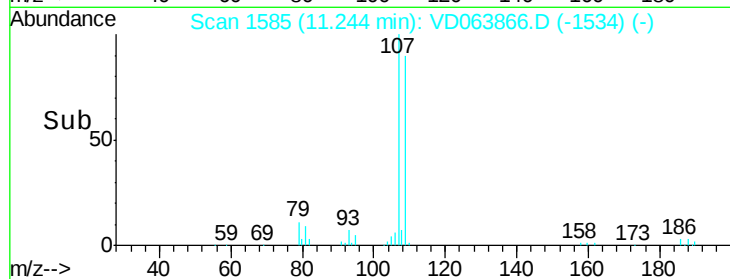
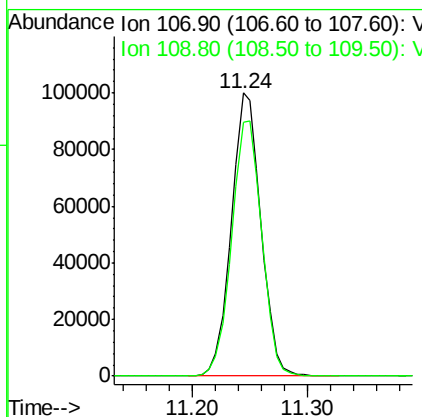
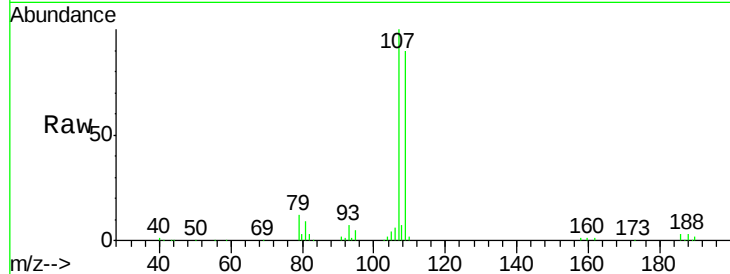
#61
 1,2-Dibromoethane
 Concen: 100.243 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.2	112.8

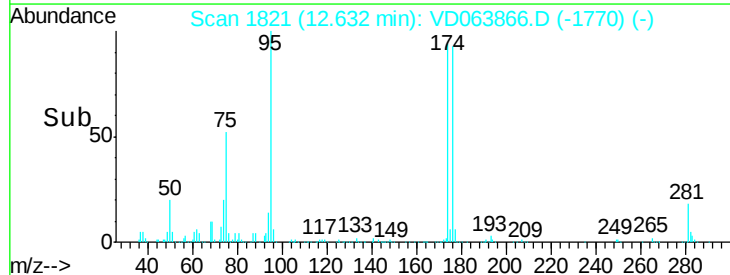
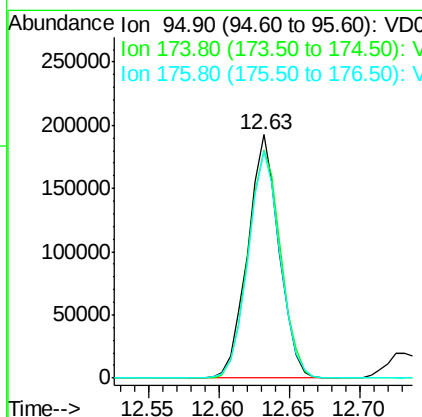
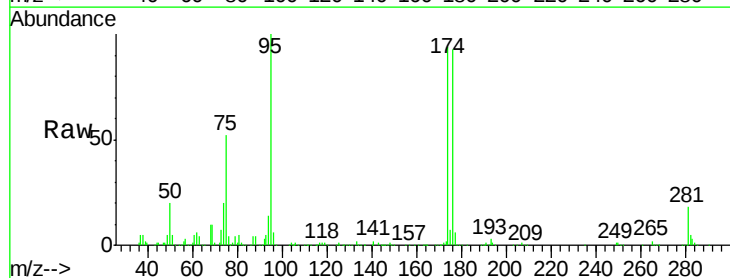
Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:28 PM



#62
 4-Bromofluorobenzene
 Concen: 98.247 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	186.4
176	95.1	0.0	184.2





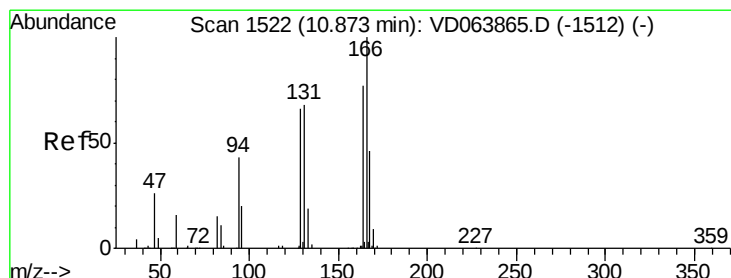
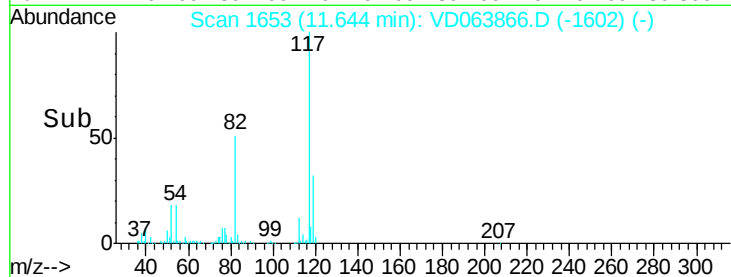
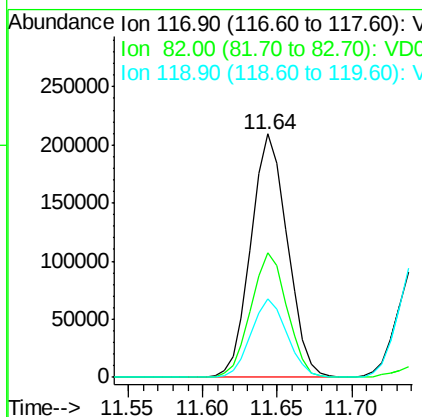
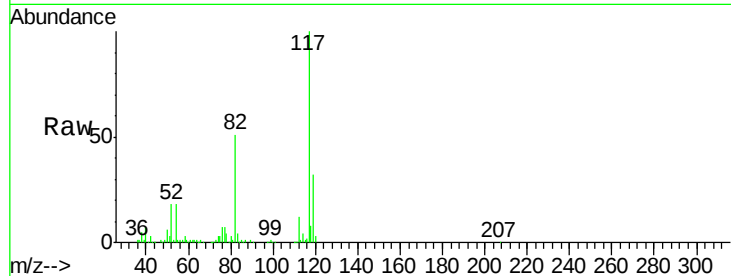
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354387		
82	51.0	42.8	64.2	
119	32.2	24.4	36.6	

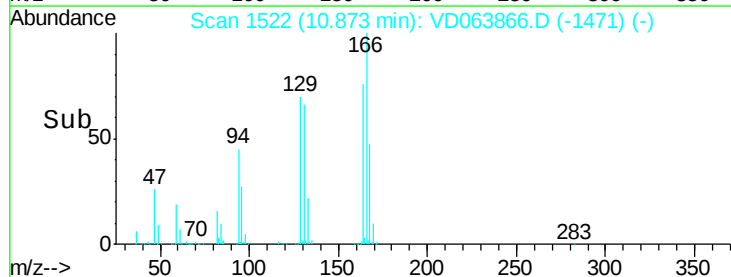
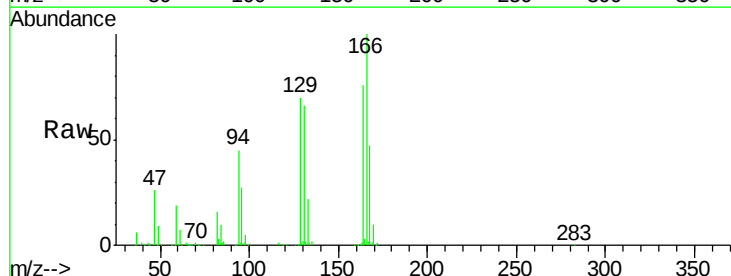
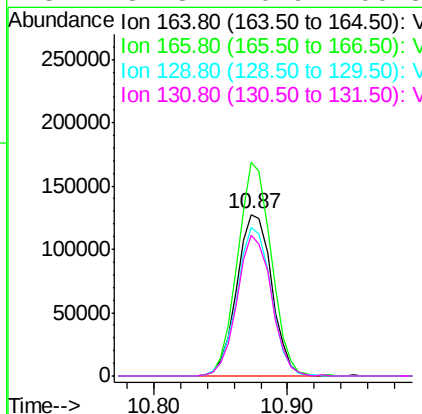
Manual Integrations
APPROVED

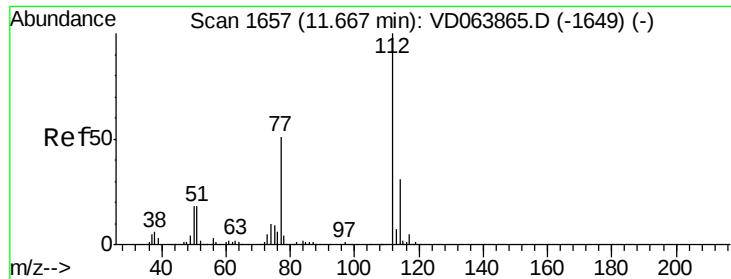
MMDadoda
10/3/2019 12:55:28 PM



#64
Tetrachloroethene
Concen: 97.957 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231654		
166	132.2	103.8	155.6	
129	92.2	68.9	103.3	
131	87.3	70.9	106.3	





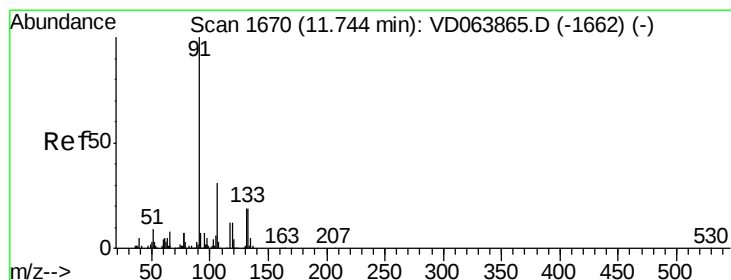
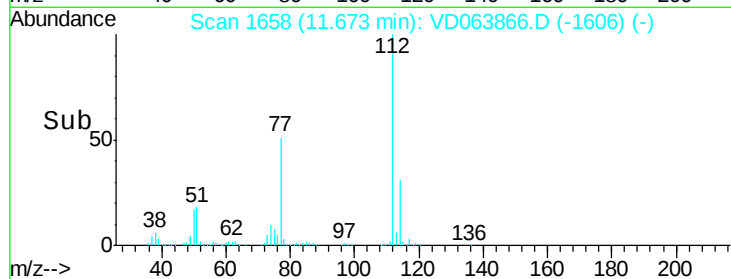
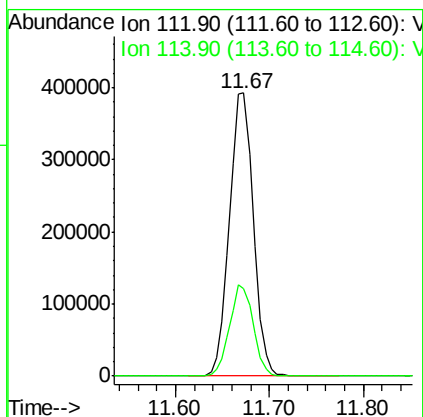
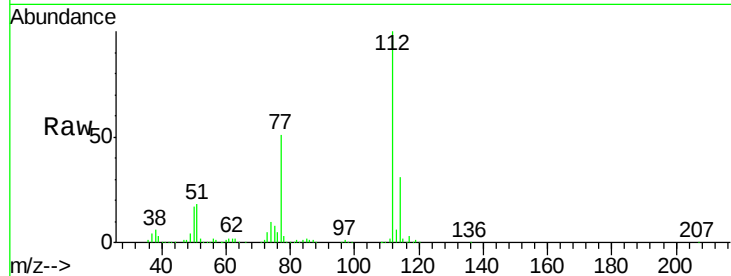
#65
Chlorobenzene
Concen: 97.983 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

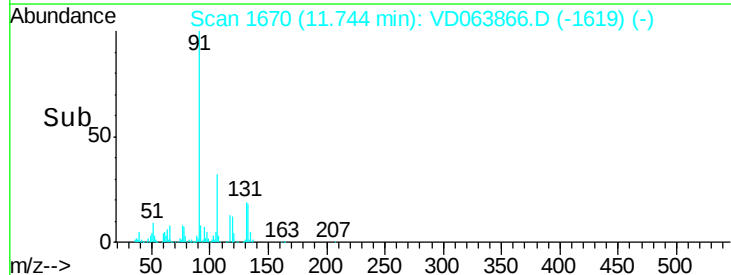
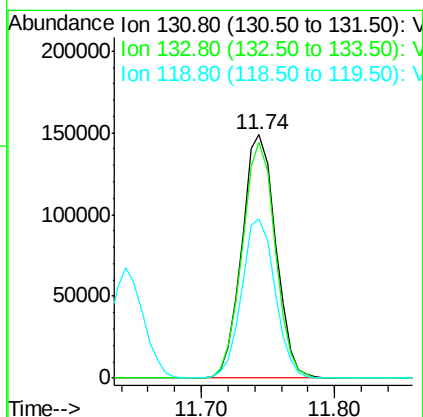
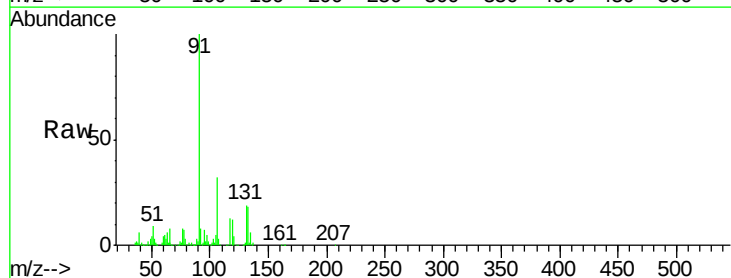
Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 99.945 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.9	146.7
119	64.5	32.6	97.8





#67

Ethyl Benzene

Concen: 98.430 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1254328

Ion Ratio Lower Upper

91 100

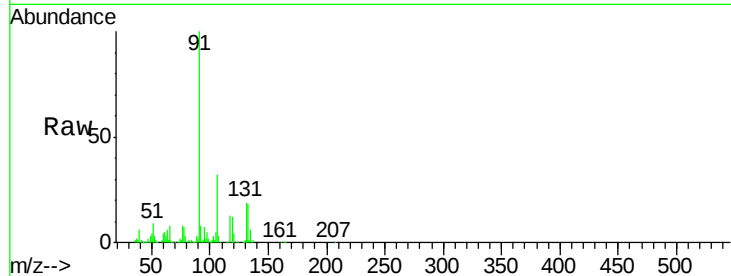
106 31.6 24.6 37.0

Manual Integrations

APPROVED

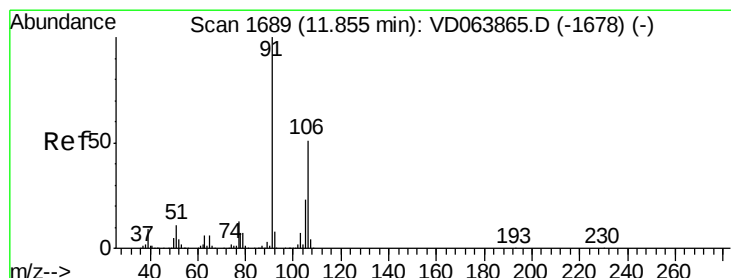
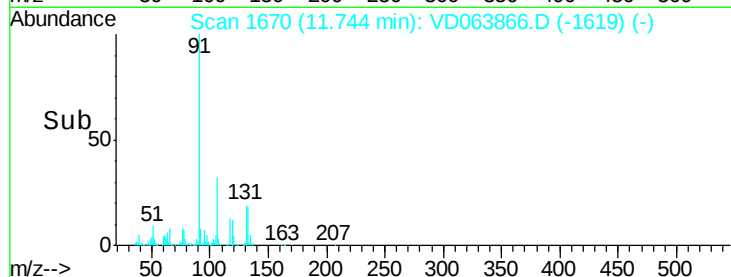
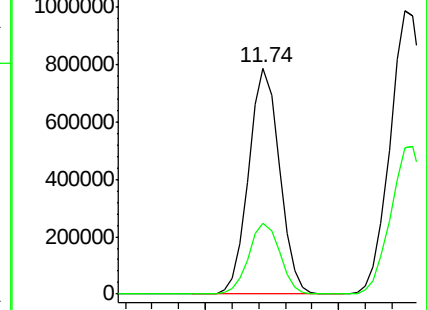
MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VD063866.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD063866.D (-1661) (-)



#68

m/p-Xylenes

Concen: 199.192 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063866.D

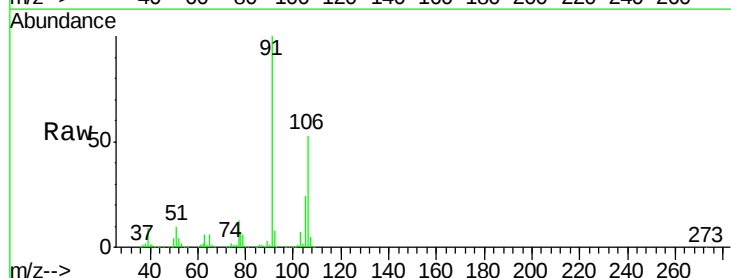
Acq: 02 Oct 2019 18:12

Tgt Ion: 106 Resp: 979644

Ion Ratio Lower Upper

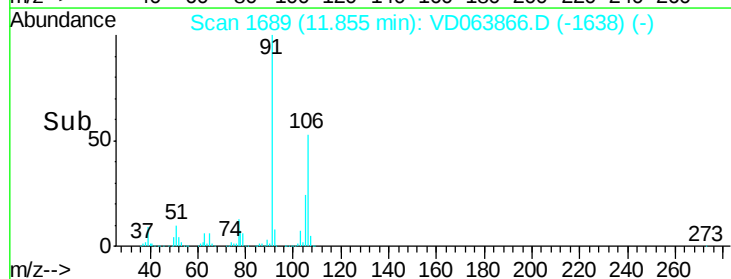
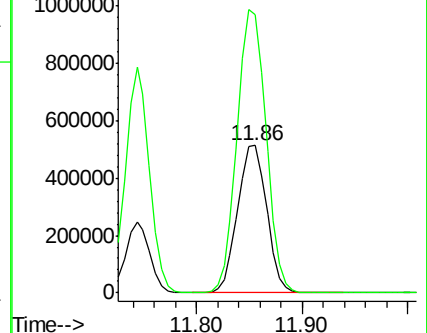
106 100

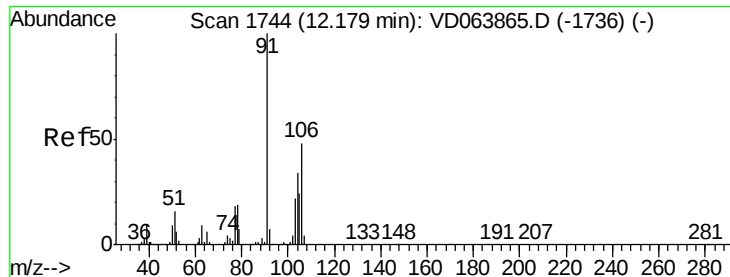
91 191.7 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VD063866.D (-1678) (-)

Ion 91.00 (90.70 to 91.70): VD063866.D (-1678) (-)





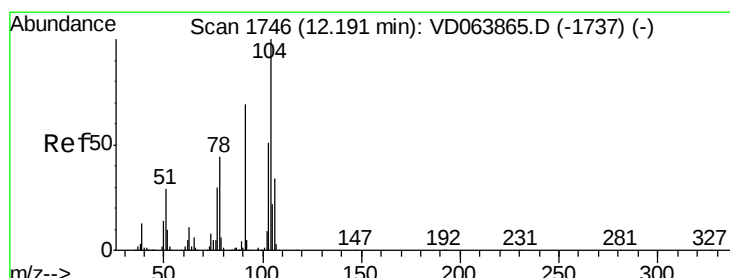
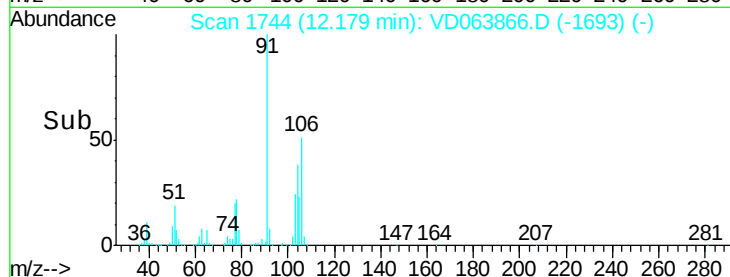
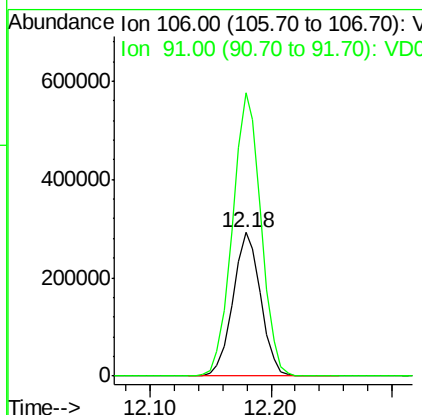
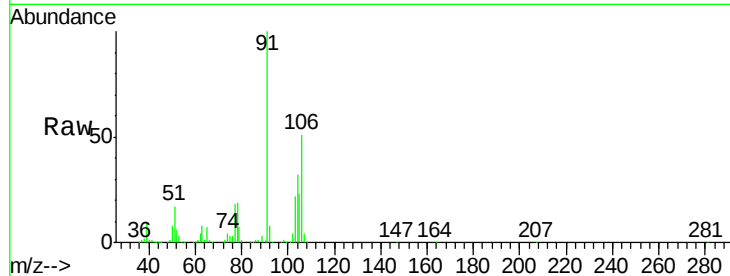
#69
o-Xylene
Concen: 100.601 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 465694
Ion Ratio Lower Upper
106 100
91 202.7 103.9 311.7

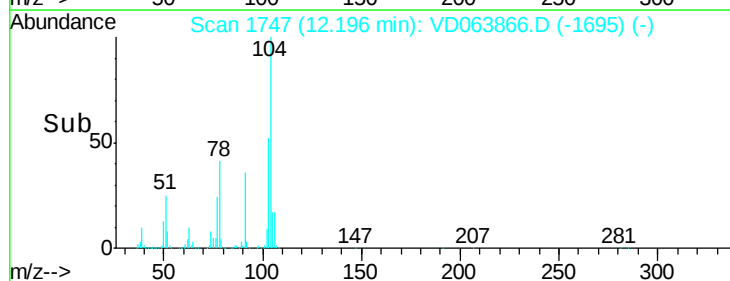
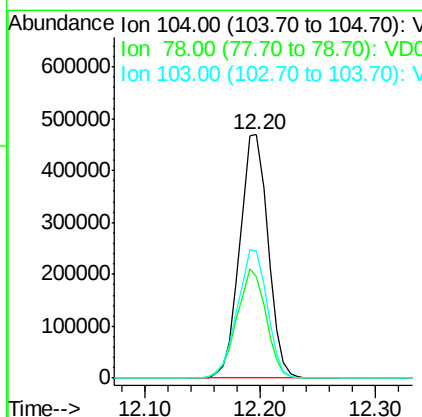
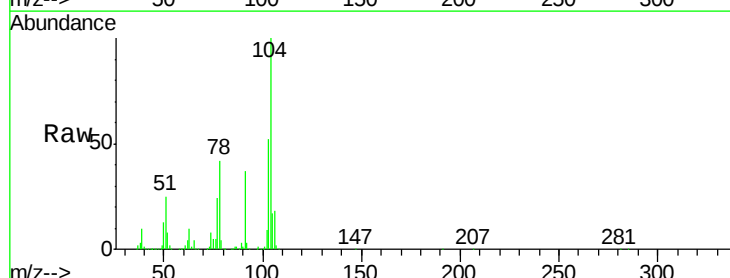
Manual Integrations
APPROVED

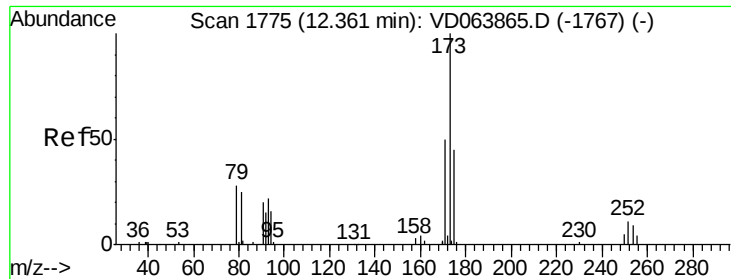
MMDadoda
10/3/2019 12:55:28 PM



#70
Styrene
Concen: 101.826 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion:104 Resp: 800641
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 55.8 44.2 66.4





#71

Bromoform

Concen: 104.051 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

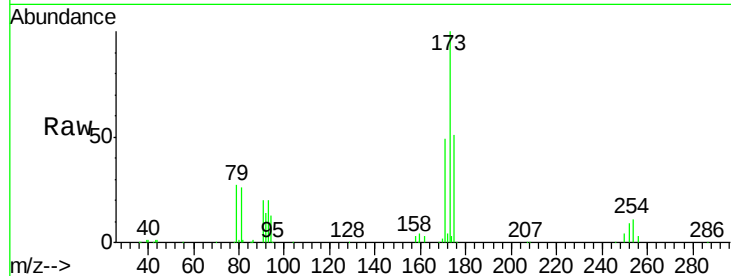
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM

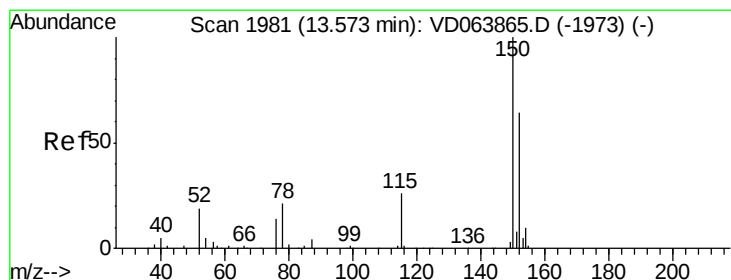
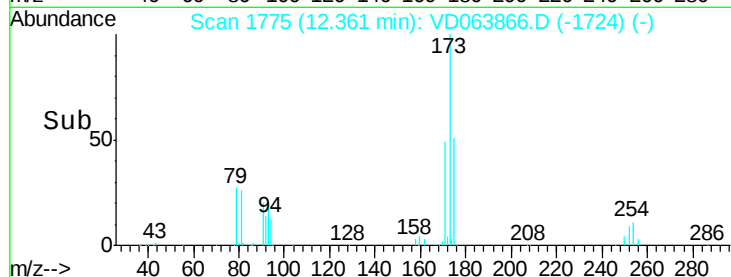
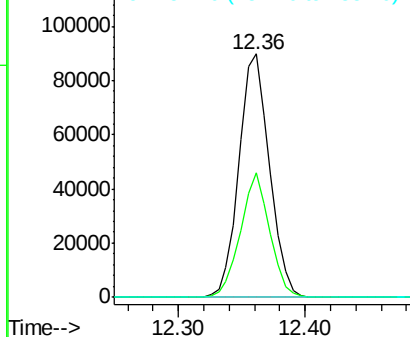


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

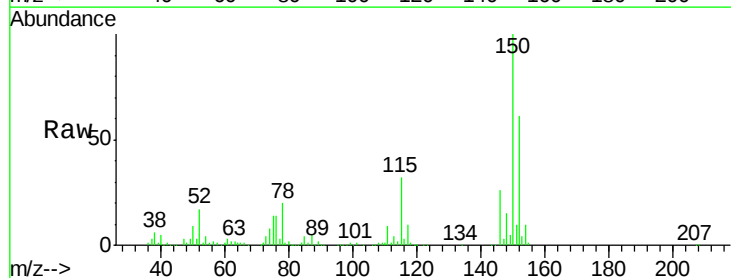
RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	25.9	77.7
150	188.3	0.0	344.2

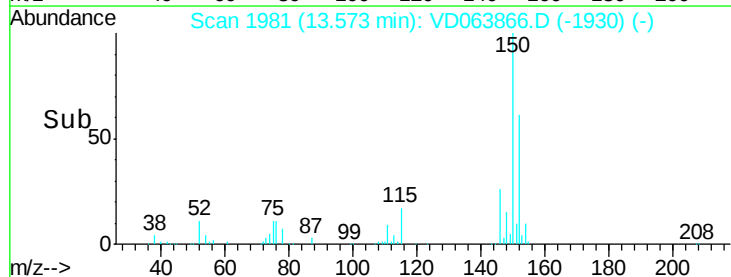
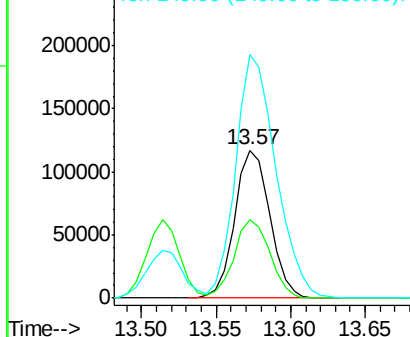


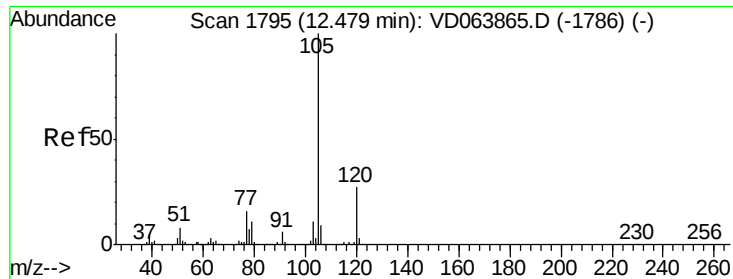
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





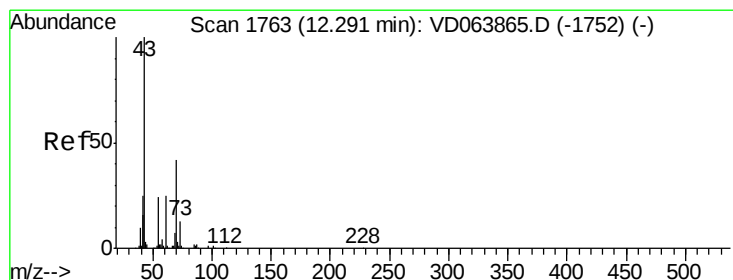
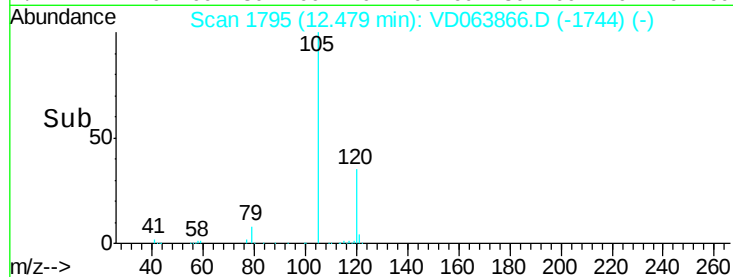
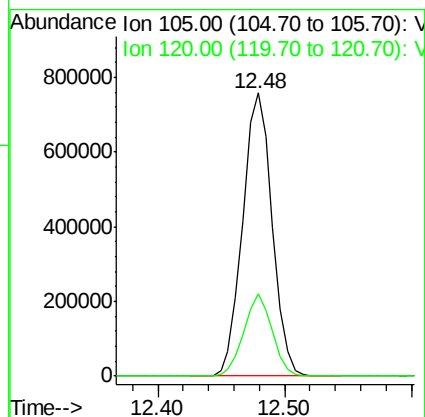
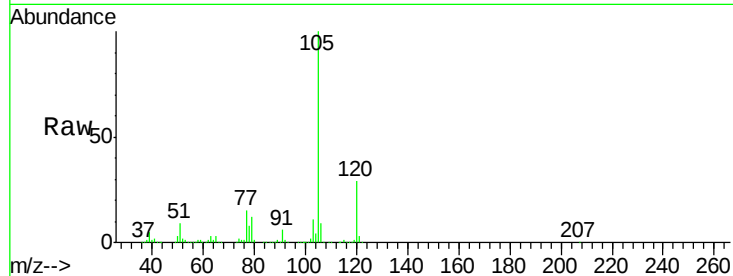
#73
Isopropylbenzene
Concen: 94.479 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 105 Resp: 1223069
Ion Ratio Lower Upper
105 100
120 27.8 13.3 39.8

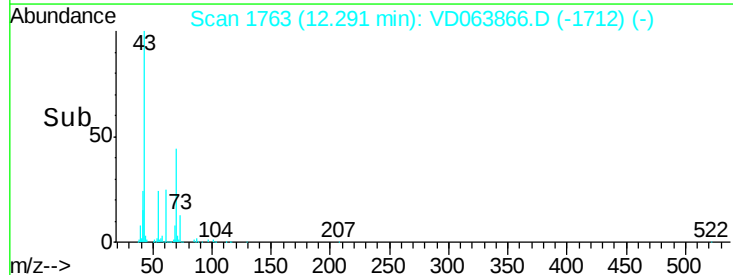
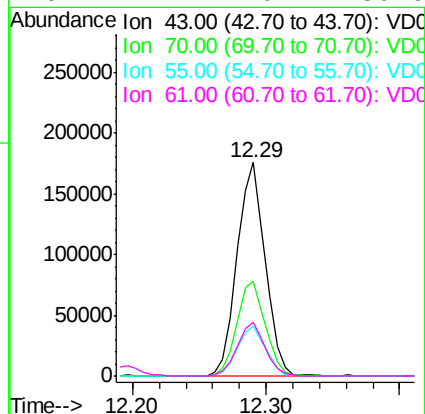
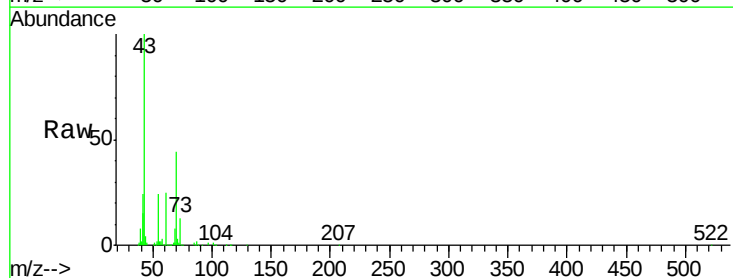
Manual Integrations
APPROVED

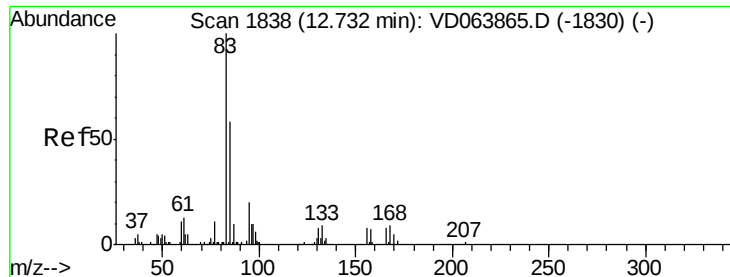
MMDadoda
10/3/2019 12:55:28 PM



#74
N-ethyl acetate
Concen: 90.464 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion: 43 Resp: 257163
Ion Ratio Lower Upper
43 100
70 44.6 35.8 53.6
55 23.5 19.4 29.0
61 24.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 90.636 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 196362

Ion Ratio Lower Upper

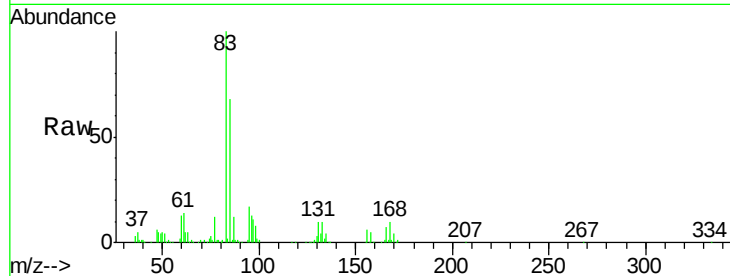
83 100

131 11.7 5.6 16.8

85 66.4 32.3 96.8

Manual Integrations
APPROVED

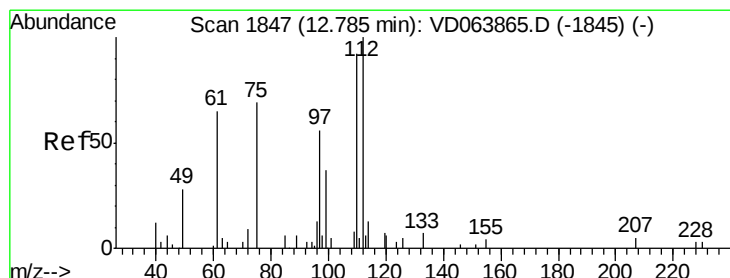
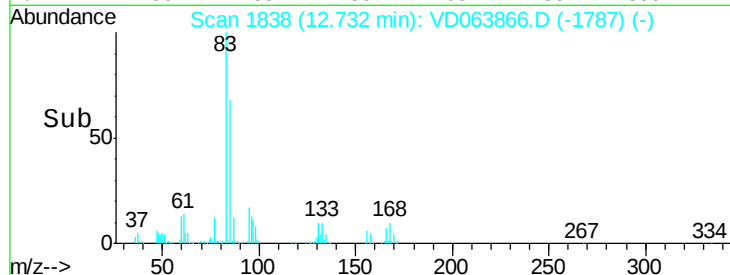
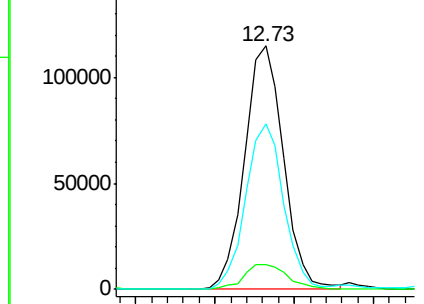
MMDadoda
10/3/2019 12:55:28 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 101.107 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063866.D

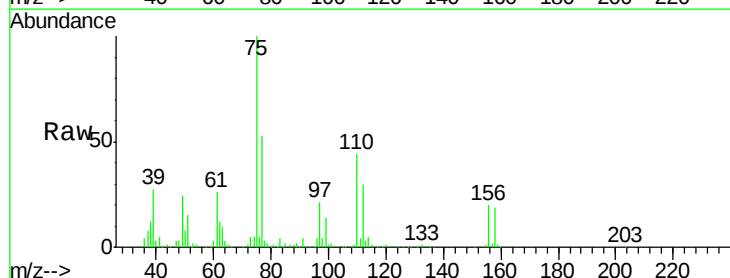
Acq: 02 Oct 2019 18:12

Tgt Ion: 75 Resp: 145930

Ion Ratio Lower Upper

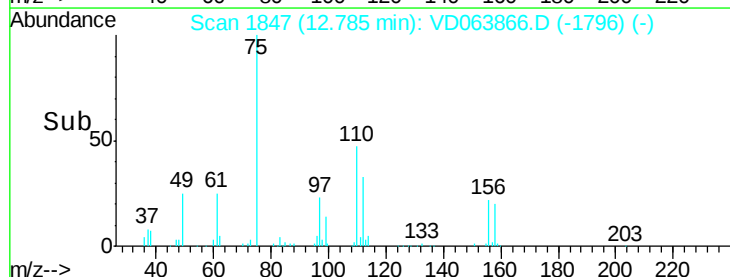
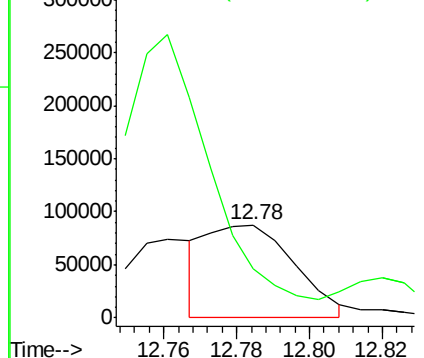
75 100

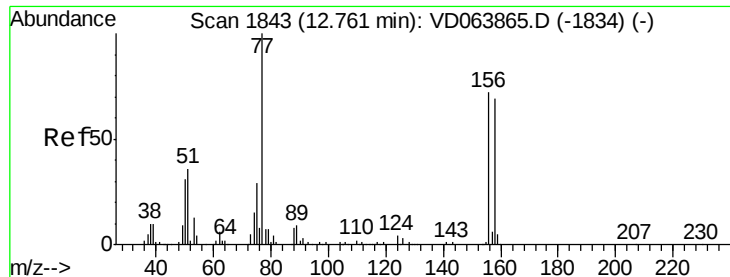
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 101.509 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 317522

Ion Ratio Lower Upper

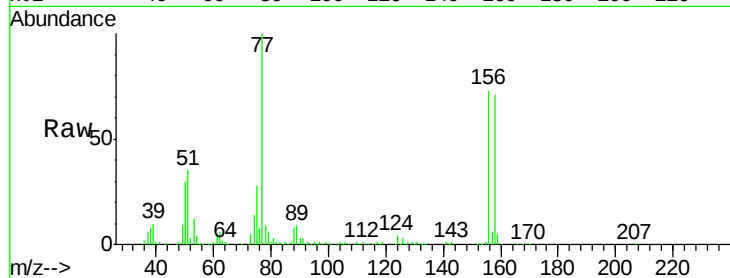
156 100

77 152.4 80.3 241.0

158 98.1 47.4 142.2

Manual Integrations
APPROVED

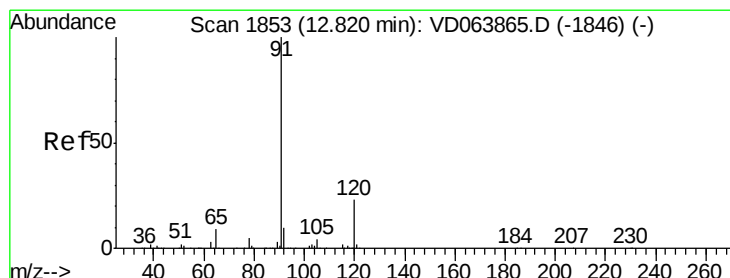
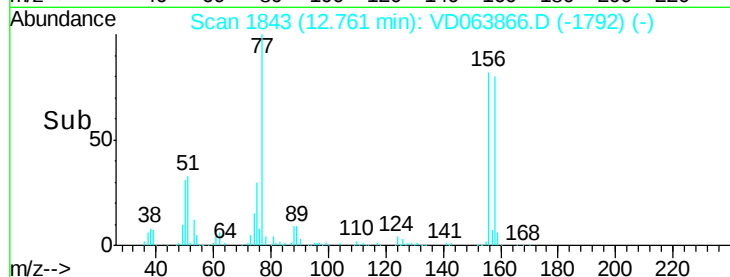
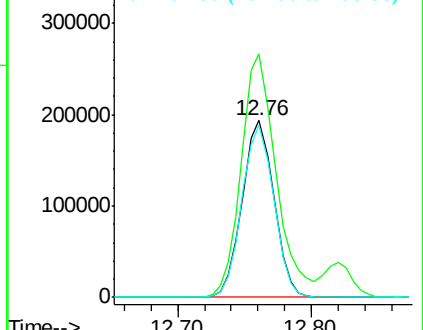
MMDadoda
10/3/2019 12:55:28 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.088 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063866.D

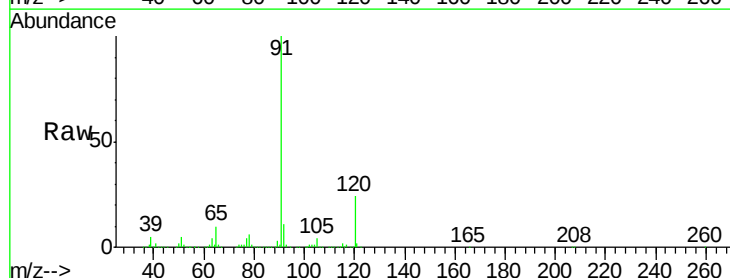
Acq: 02 Oct 2019 18:12

Tgt Ion: 91 Resp: 1434208

Ion Ratio Lower Upper

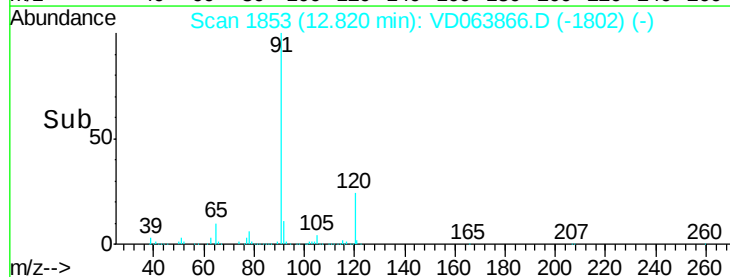
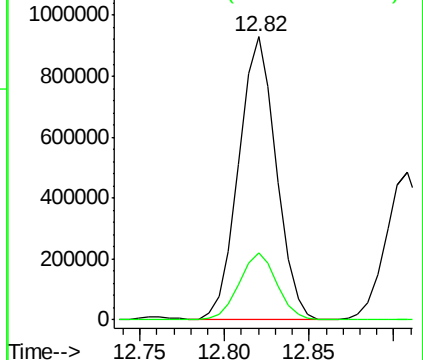
91 100

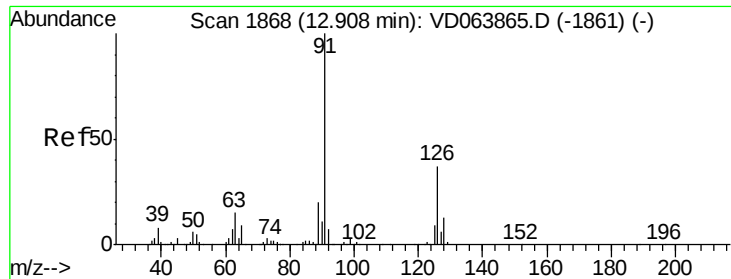
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.553 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 784744

Ion Ratio Lower Upper

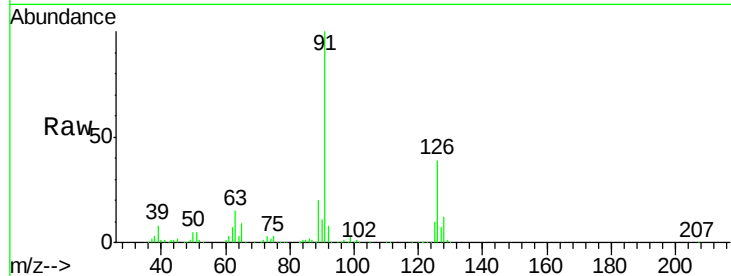
91 100

126 37.9 18.4 55.2

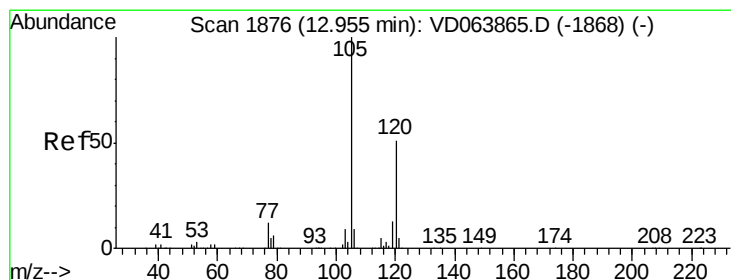
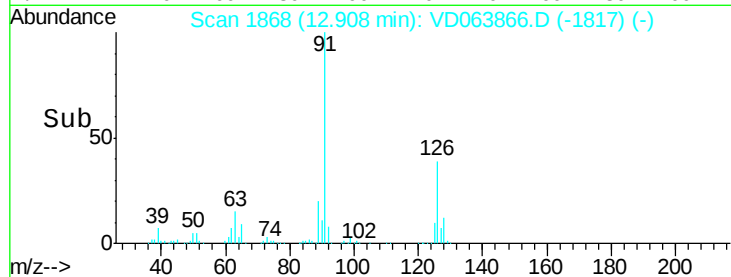
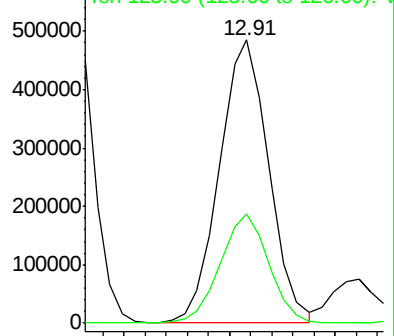
Manual Integrations
APPROVED

MMDadoda

10/3/2019 12:55:28 PM



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 96.621 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063866.D

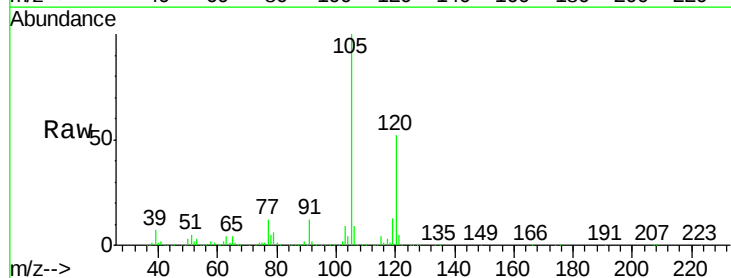
Acq: 02 Oct 2019 18:12

Tgt Ion:105 Resp: 1042053

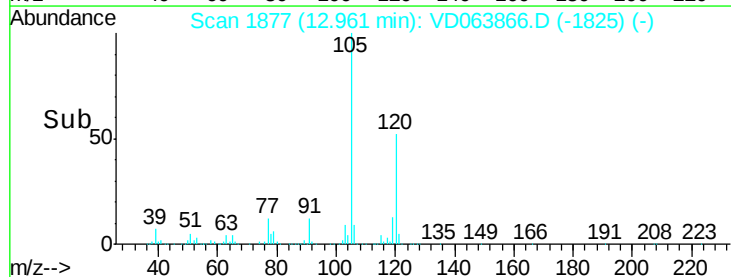
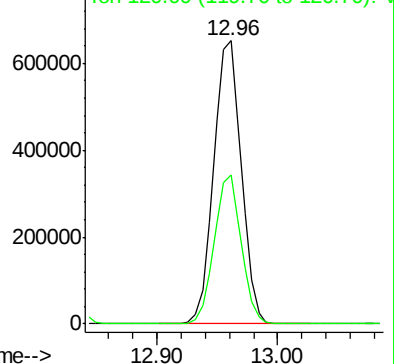
Ion Ratio Lower Upper

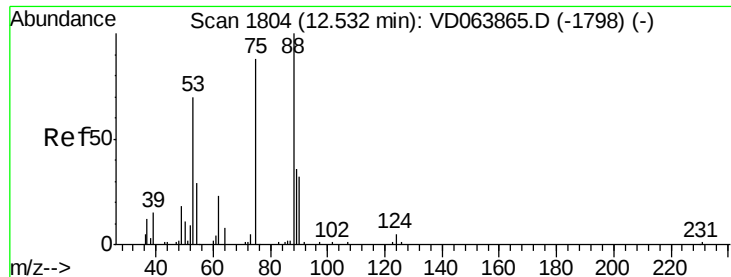
105 100

120 51.4 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





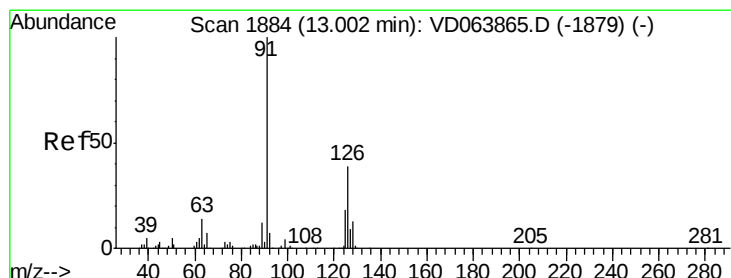
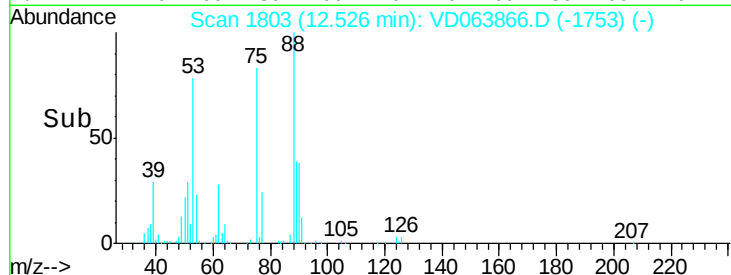
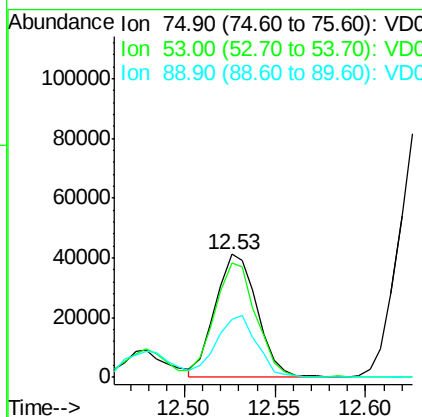
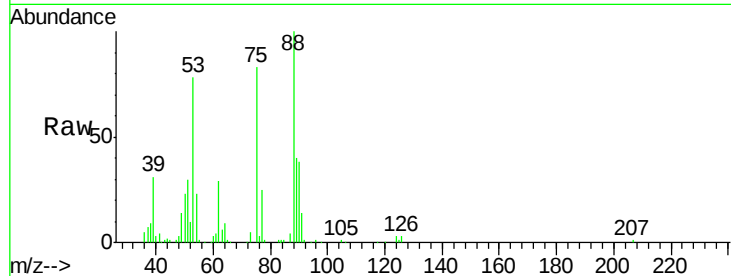
#81
trans-1,4-Dichloro-2-butene
Concen: 91.414 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	75.0	112.6
89	48.2	38.2	57.4

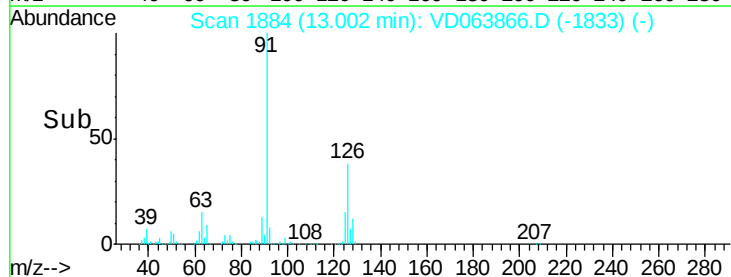
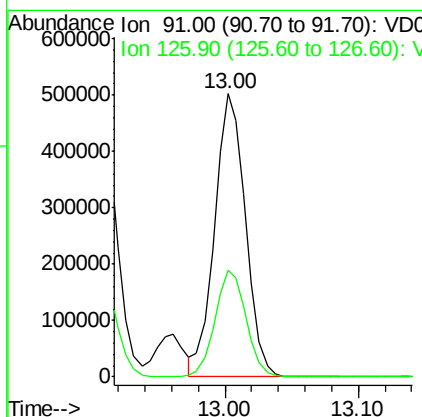
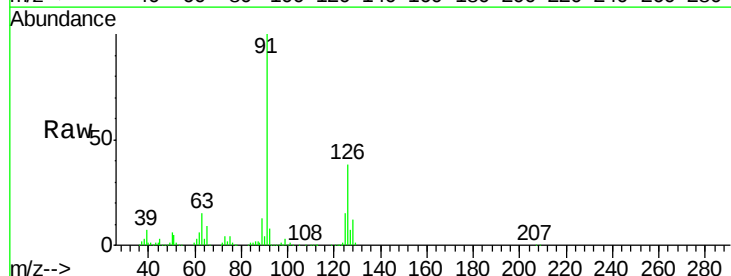
Manual Integrations
APPROVED

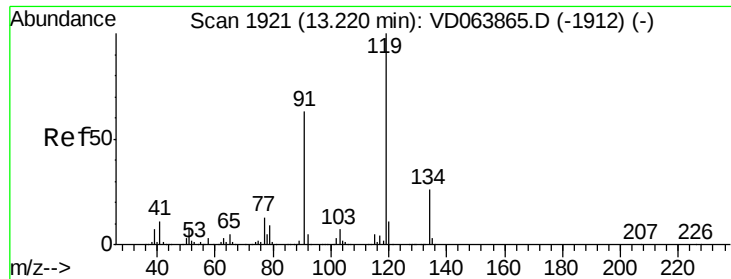
MMDadoda
10/3/2019 12:55:28 PM



#82
4-Chlorotoluene
Concen: 92.580 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.6	55.8





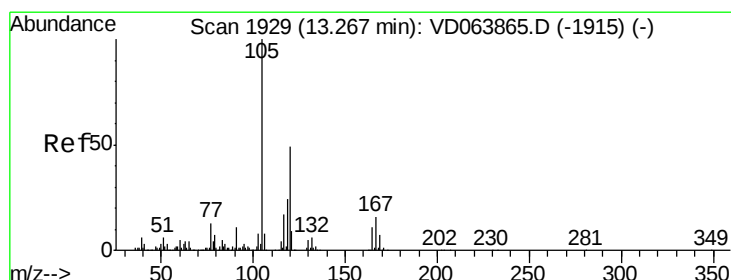
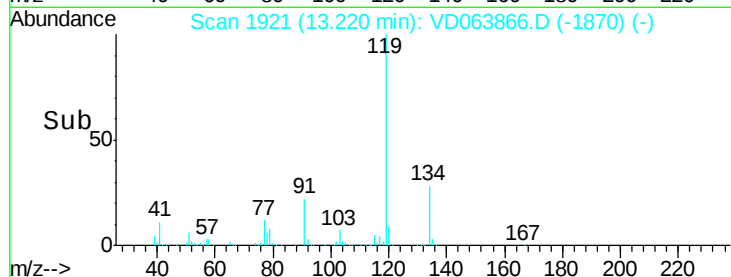
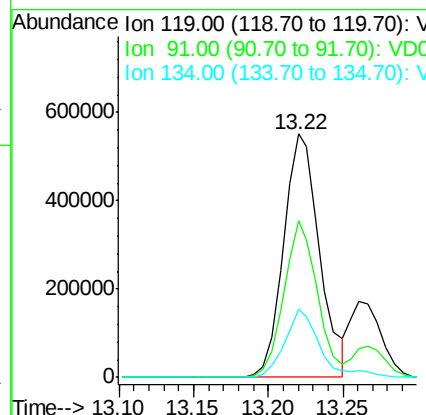
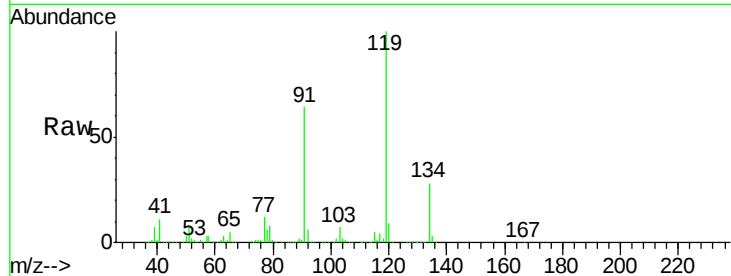
#83
tert-Butylbenzene
Concen: 97.926 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.0	90.0
134	27.6	13.0	38.9

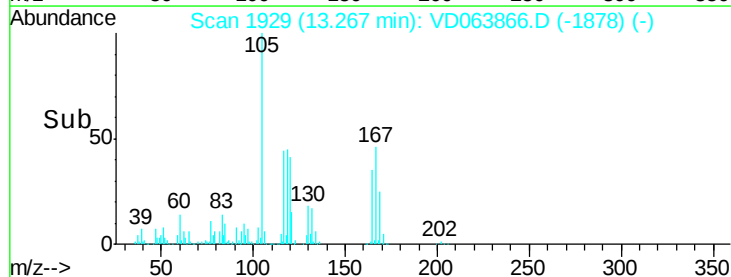
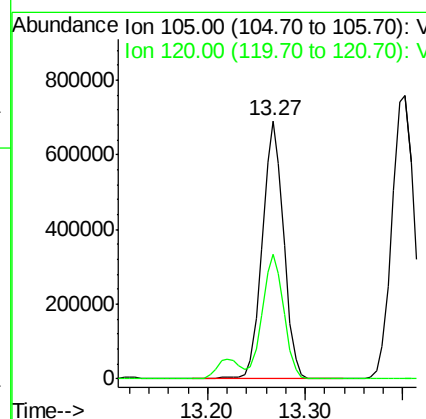
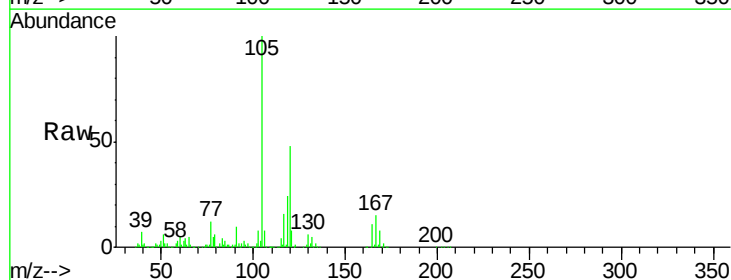
Manual Integrations
APPROVED

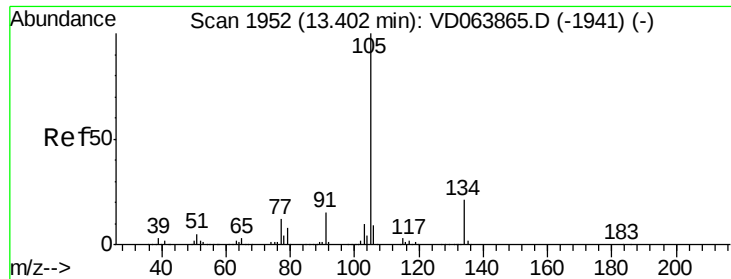
MMDadoda
10/3/2019 12:55:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 97.180 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 92.750 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1216257

Ion Ratio Lower Upper

105 100

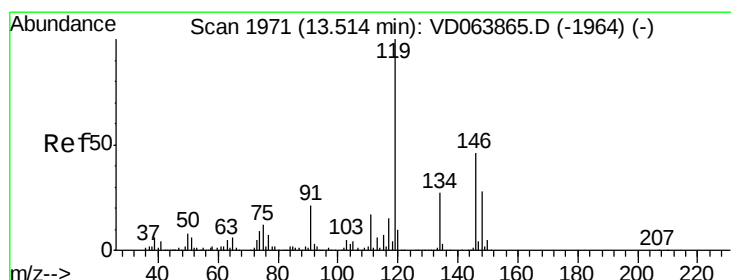
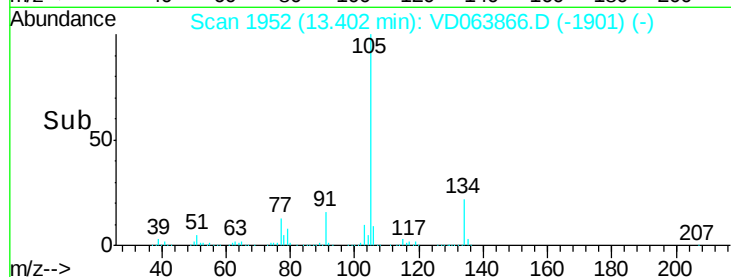
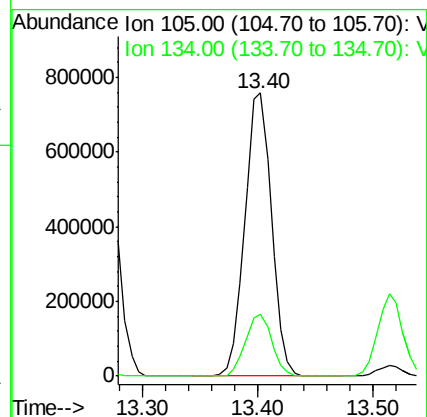
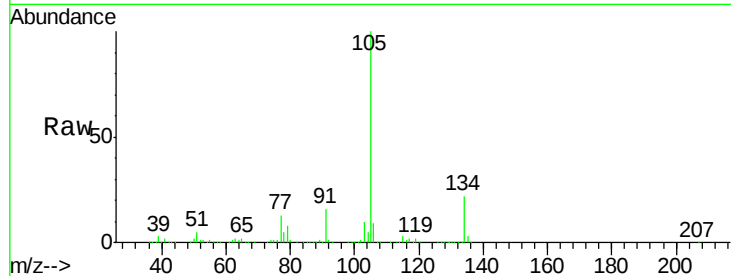
134 21.6 10.6 31.8

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:55:28 PM



#86

p-Isopropyltoluene

Concen: 97.934 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063866.D

Acq: 02 Oct 2019 18:12

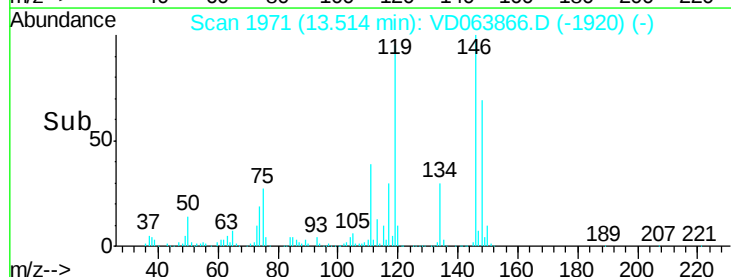
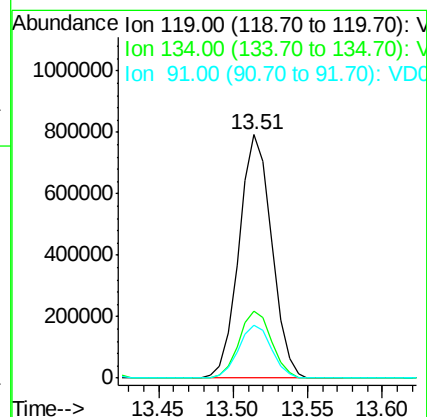
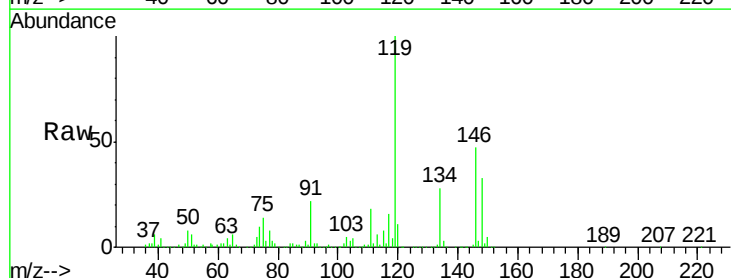
Tgt Ion:119 Resp: 1203023

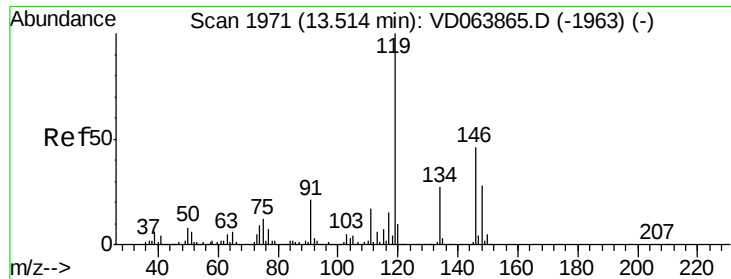
Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 22.0 11.2 33.5





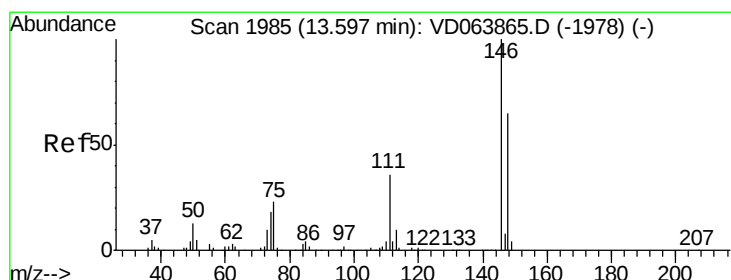
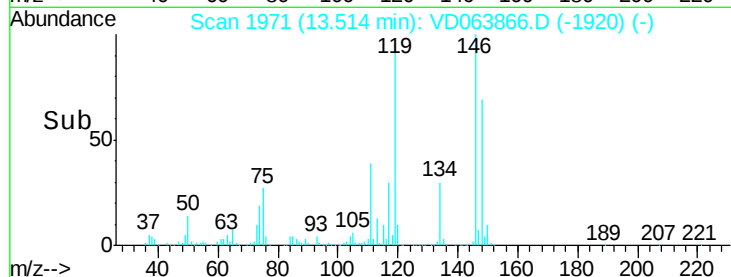
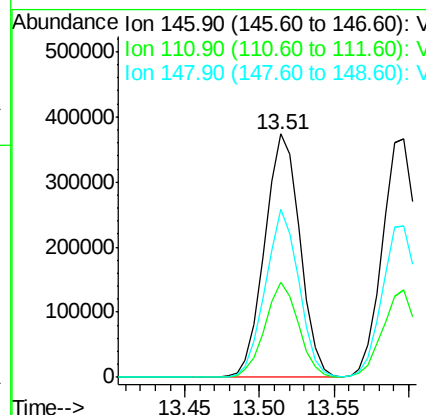
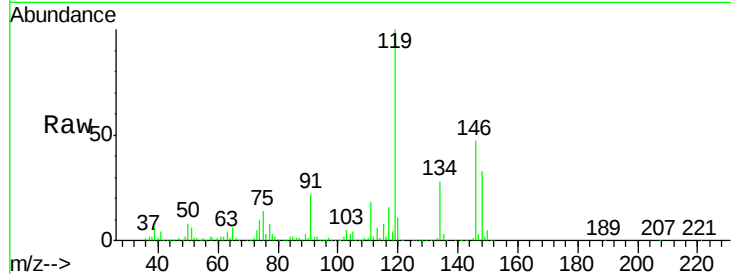
#87
 1,3-Dichlorobenzene
 Concen: 99.776 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	611616		
111	36.9	18.3	54.9	
148	65.7	31.8	95.4	

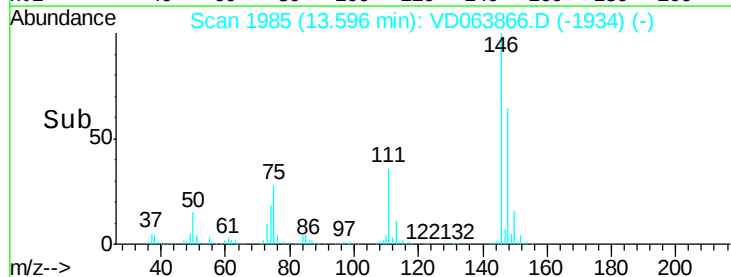
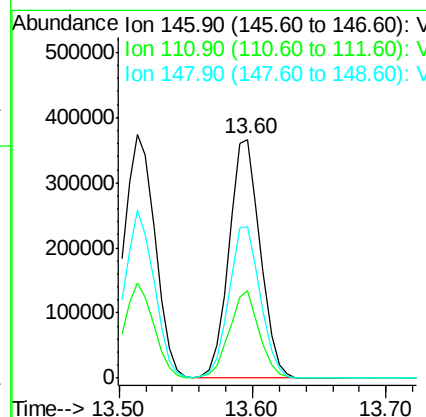
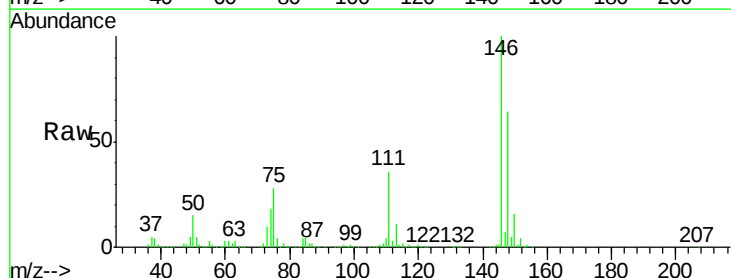
Manual Integrations
 APPROVED

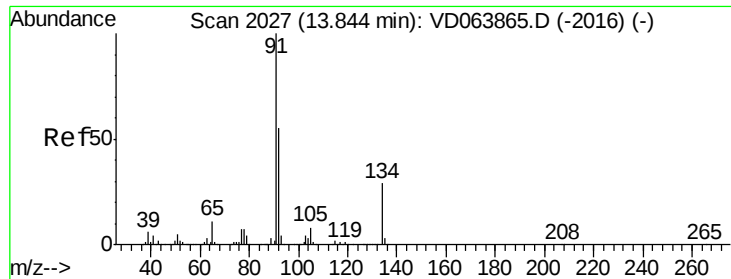
MMDadoda
 10/3/2019 12:55:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 98.066 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	599978		
111	34.9	18.6	56.0	
148	64.0	32.6	98.0	





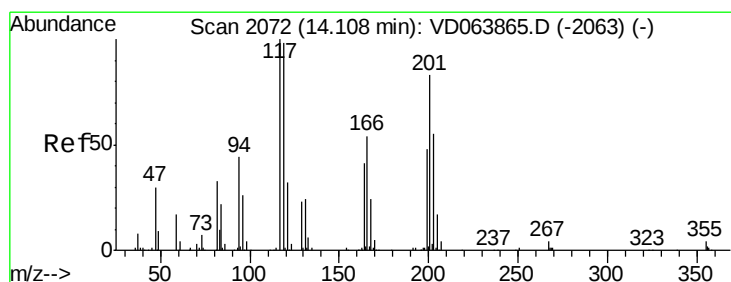
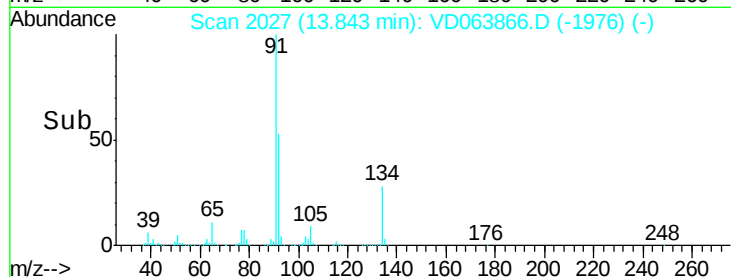
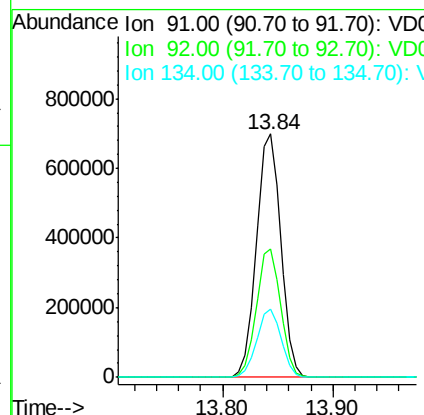
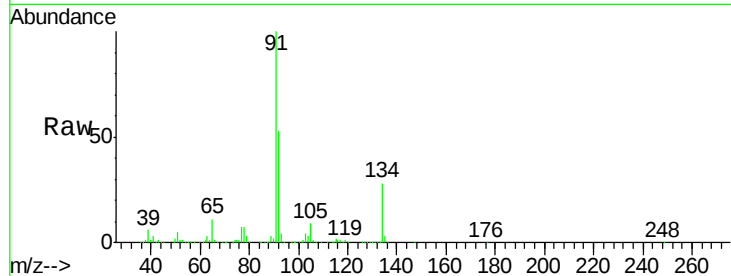
#89
n-Butylbenzene
Concen: 93.081 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.3
134	28.2	14.4	43.0

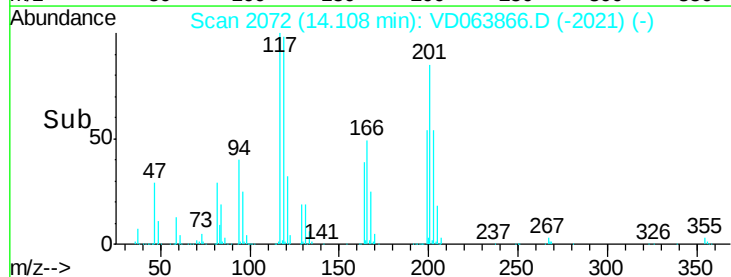
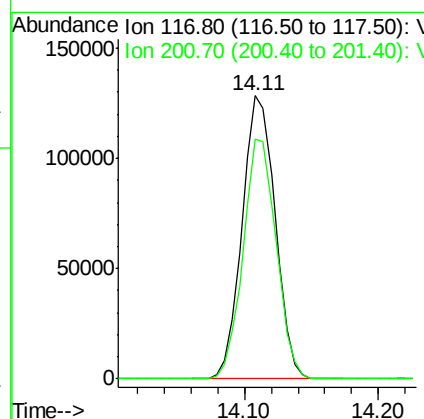
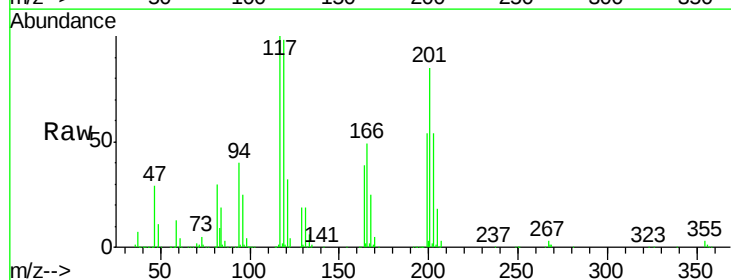
Manual Integrations
APPROVED

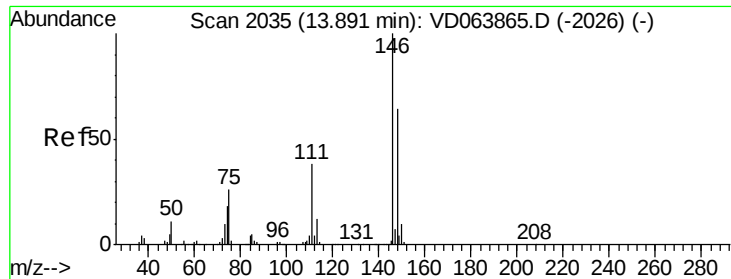
MMDadoda
10/3/2019 12:55:28 PM



#90
Hexachloroethane
Concen: 96.647 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	40.6	121.7





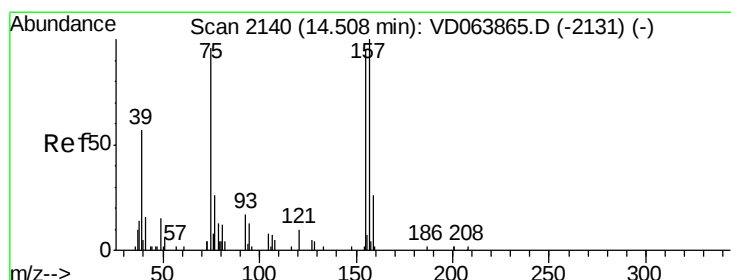
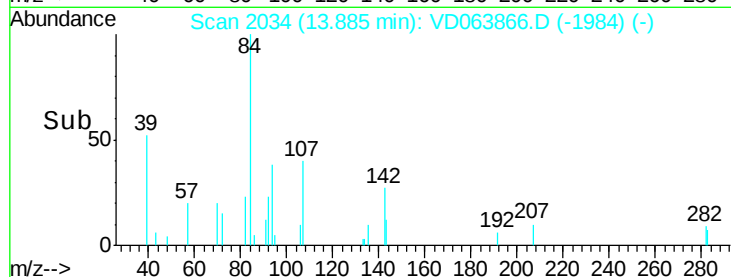
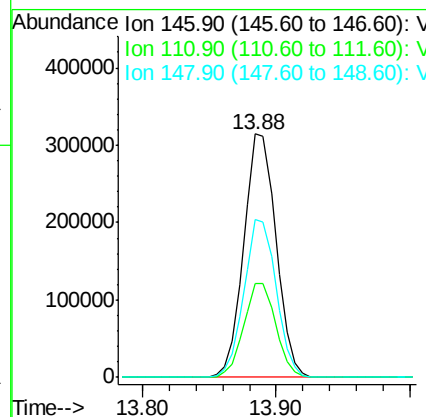
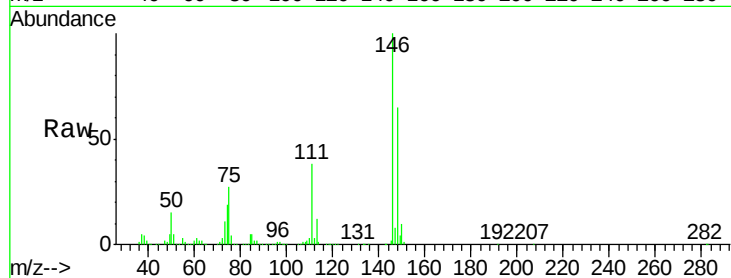
#91
 1,2-Dichlorobenzene
 Concen: 99.676 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	64.6	31.6	95.0

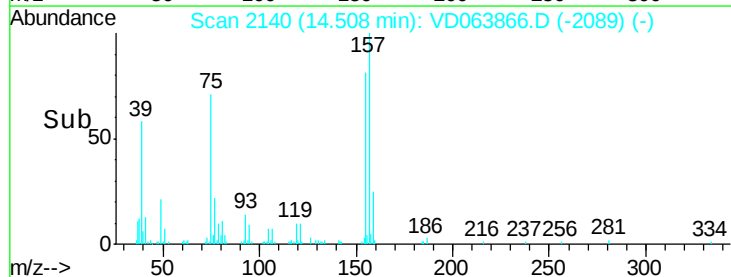
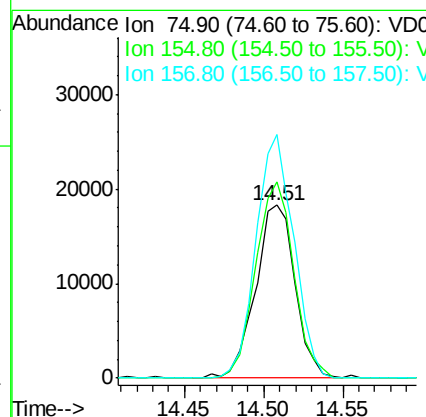
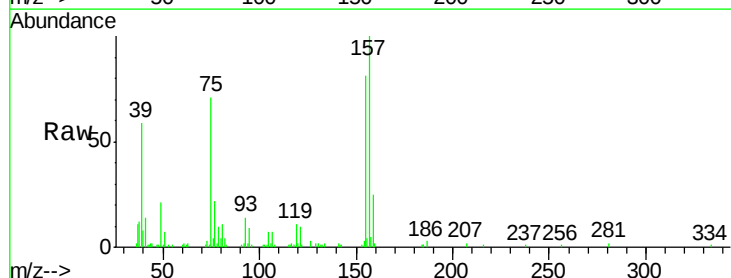
Manual Integrations
 APPROVED

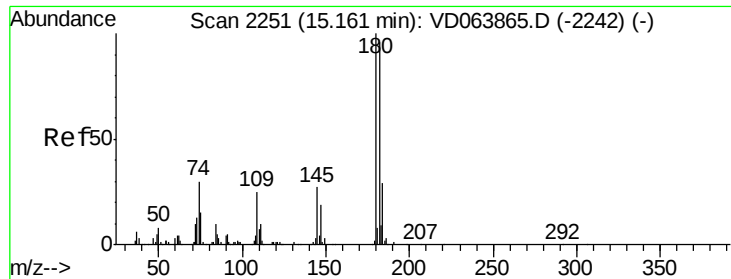
MMDadoda
 10/3/2019 12:55:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.000 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.8	43.9	131.6
157	133.9	56.0	167.9





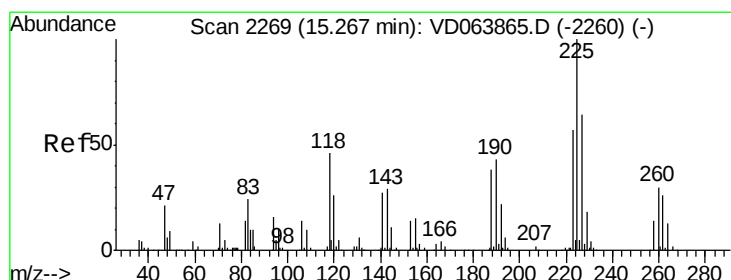
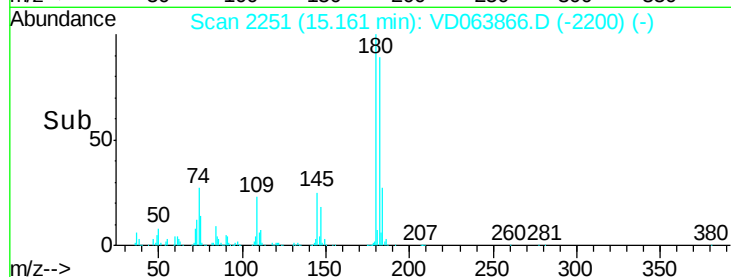
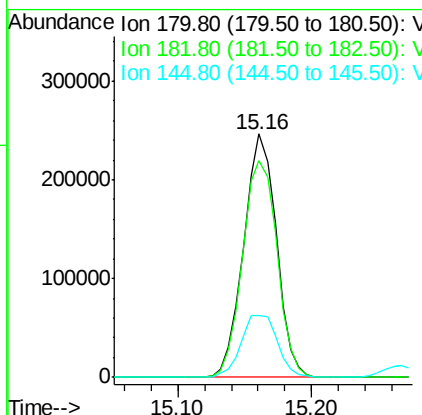
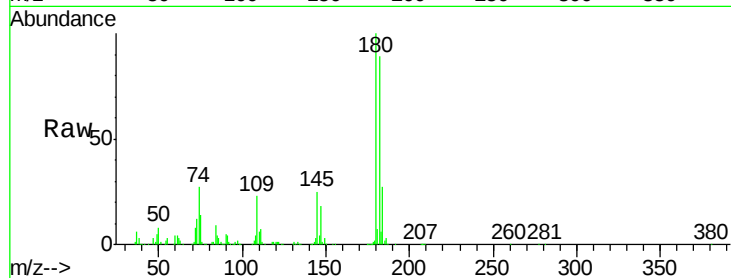
#93
 1,2,4-Trichlorobenzene
 Concen: 104.283 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	417011		
182	94.1	47.4	142.3	
145	28.4	13.9	41.7	

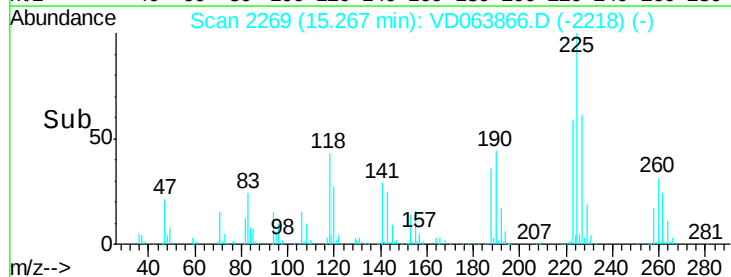
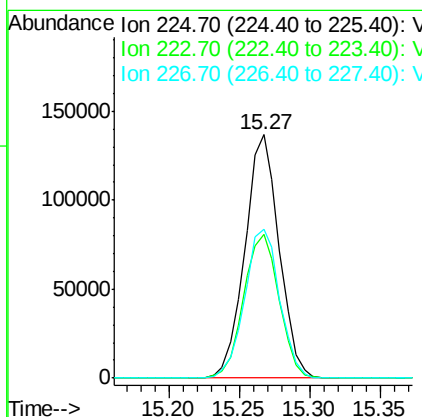
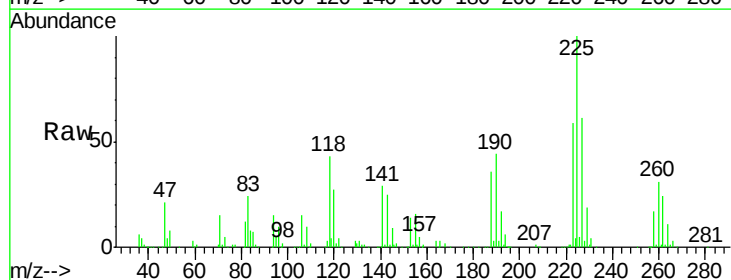
Manual Integrations
 APPROVED

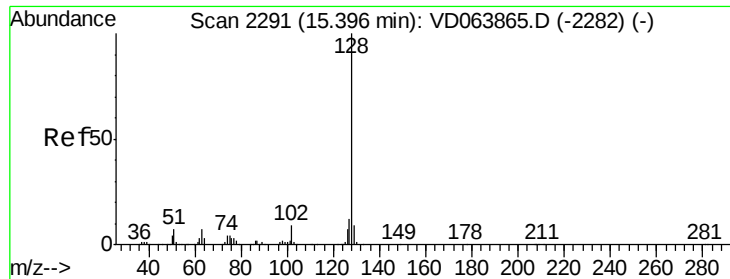
MMDadoda
 10/3/2019 12:55:28 PM



#94
 Hexachlorobutadiene
 Concen: 102.550 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063866.D
 Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232064		
223	61.2	29.5	88.6	
227	62.7	30.8	92.4	





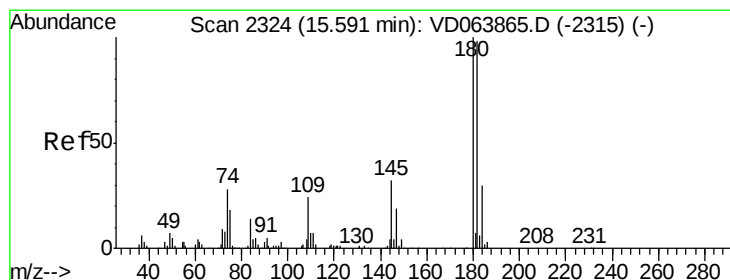
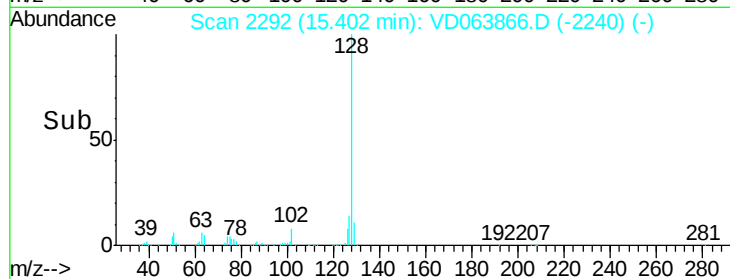
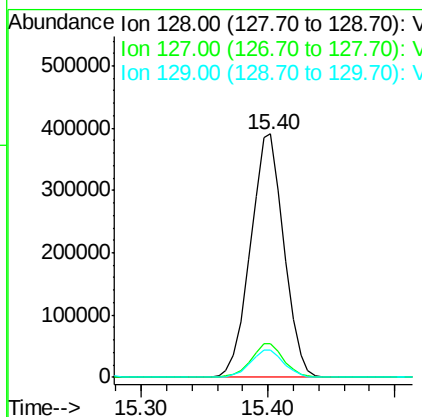
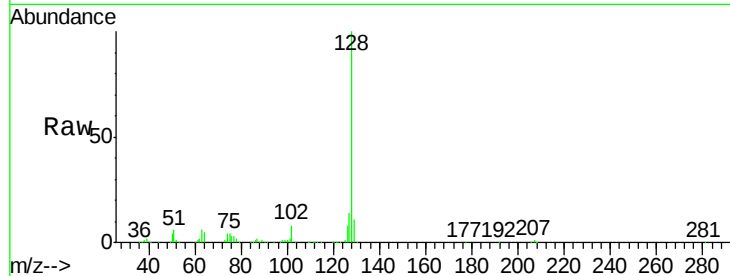
#95
Naphthalene
Concen: 99.149 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	714280		
127	13.8		10.6	16.0
129	11.3		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:55:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 101.367 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063866.D
Acq: 02 Oct 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	359613		
182	94.5		47.0	141.0
145	28.8		15.3	45.9

