

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063875.D
 Acq On : 03 Oct 2019 14:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:25 PM

Quant Time: Oct 04 01:46:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	98437	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.92	113	98411	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.34	98	403498	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.63	95	136039	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63458	43.764	ug/l	93
3) Chloromethane	2.21	50	205092	52.590	ug/l	94
4) Vinyl Chloride	2.35	62	224122	47.824	ug/l	98
5) Bromomethane	2.77	94	131569	43.669	ug/l	91
6) Chloroethane	2.93	64	143815	46.403	ug/l	94
7) Trichlorofluoromethane	3.27	101	289409	46.708	ug/l	98
8) Diethyl Ether	3.70	74	45804	46.056	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82353	48.015	ug/l	98
10) Methyl Iodide	4.29	142	115611	48.918	ug/l	100
11) Tert butyl alcohol	5.25	59	28944	207.949	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	84197	49.136	ug/l	91
13) Acrolein	3.93	56	40661	228.705	ug/l	100
14) Allyl chloride	4.71	41	130504	45.808	ug/l	97
15) Acrylonitrile	5.43	53	98888	225.530	ug/l	98
16) Acetone	4.16	43	115559	222.975	ug/l	91
17) Carbon Disulfide	4.40	76	294732	47.316	ug/l #	94
18) Methyl Acetate	4.72	43	46773	46.143	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	208726	47.039	ug/l	98
20) Methylene Chloride	4.96	84	113883	49.493	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103182	48.370	ug/l	89
22) Diisopropyl ether	6.37	45	287299	49.378	ug/l	97
23) Vinyl Acetate	6.31	43	836452	241.660	ug/l	99
24) 1,1-Dichloroethane	6.27	63	176563	49.266	ug/l #	91
25) 2-Butanone	7.22	43	141672	230.664	ug/l	95
26) 2,2-Dichloropropane	7.21	77	157694	48.642	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	118039	48.888	ug/l	98
28) Bromochloromethane	7.55	49	74954	54.823	ug/l	98
29) Tetrahydrofuran	7.57	42	78605	219.265	ug/l	99
30) Chloroform	7.71	83	186260	47.851	ug/l	86
31) Cyclohexane	7.98	56	156140	52.929	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	166866	49.974	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141220	47.397	ug/l	99
37) Ethyl Acetate	7.30	43	57467	47.935	ug/l	98
38) Carbon Tetrachloride	8.10	117	146123	48.531	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063875.D
 Acq On : 03 Oct 2019 14:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:25 PM

Quant Time: Oct 04 01:46:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	180080	49.156	ug/l	90
40) Benzene	8.35	78	425145	49.792	ug/l	98
41) Methacrylonitrile	7.54	41	35113m	50.830	ug/l	
42) 1,2-Dichloroethane	8.43	62	121016	48.997	ug/l	99
43) Isopropyl Acetate	8.46	43	112442	45.000	ug/l	99
44) Trichloroethene	9.11	130	121648	49.408	ug/l	100
45) 1,2-Dichloropropane	9.39	63	101848	48.733	ug/l	95
46) Dibromomethane	9.48	93	57395	48.222	ug/l	98
47) Bromodichloromethane	9.67	83	149522	48.794	ug/l	99
48) Methyl methacrylate	9.46	41	50548	42.221	ug/l	98
49) 1,4-Dioxane	9.47	88	15591	959.654	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	293558	226.529	ug/l	98
52) Toluene	10.40	92	285474	48.704	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	146240	48.905	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	173411	50.379	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	80189	47.716	ug/l	91
56) Ethyl methacrylate	10.66	69	100861	47.393	ug/l	98
57) 1,3-Dichloropropane	10.95	76	135603	47.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	209109	228.592	ug/l	99
59) 2-Hexanone	10.98	43	212713	226.915	ug/l	99
60) Dibromochloromethane	11.14	129	107825	49.282	ug/l	97
61) 1,2-Dibromoethane	11.25	107	82902	50.884	ug/l	96
64) Tetrachloroethene	10.87	164	107780	49.136	ug/l	95
65) Chlorobenzene	11.67	112	327888	50.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119586	50.295	ug/l	98
67) Ethyl Benzene	11.74	91	586644	50.418	ug/l	95
68) m/p-Xylenes	11.85	106	466107	103.784	ug/l	98
69) o-Xylene	12.18	106	211894	49.273	ug/l	98
70) Styrene	12.20	104	370565	50.902	ug/l	99
71) Bromoform	12.36	173	63809	50.005	ug/l #	98
73) Isopropylbenzene	12.48	105	584630	49.494	ug/l	99
74) N-amyl acetate	12.29	43	113600	44.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	87685	42.660	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	67955m	57.743	ug/l	
77) Bromobenzene	12.76	156	142751	48.507	ug/l	96
78) n-propylbenzene	12.82	91	676666	48.804	ug/l	99
79) 2-Chlorotoluene	12.91	91	372860	48.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	488074	49.528	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	29785	44.787	ug/l	99
82) 4-Chlorotoluene	13.00	91	389489	48.026	ug/l	99
83) tert-Butylbenzene	13.23	119	428006	48.802	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	487850	48.020	ug/l	99
85) sec-Butylbenzene	13.40	105	584800	49.375	ug/l	99
86) p-Isopropyltoluene	13.51	119	559368	49.910	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	286227	49.223	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	278214	48.498	ug/l	99
89) n-Butylbenzene	13.84	91	522196	50.055	ug/l	99
90) Hexachloroethane	14.11	117	102058	50.630	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	245752	49.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13815	42.910	ug/l	83

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100319\
Data File : VD063875.D
Acq On : 03 Oct 2019 14:53
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

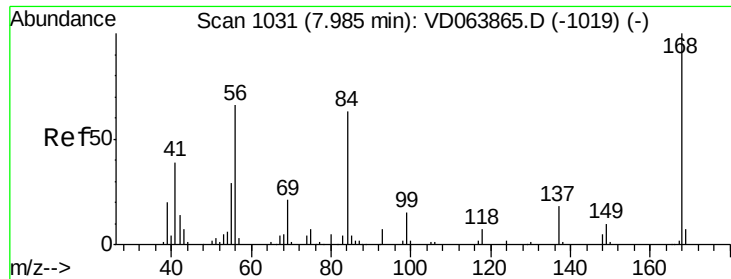
Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM

Quant Time: Oct 04 01:46:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	190761	49.335	ug/l	99
94) Hexachlorobutadiene	15.27	225	102891	48.221	ug/l	94
95) Naphthalene	15.40	128	321151	49.416	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	161830	48.509	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 204462

Ion Ratio Lower Upper

168 100

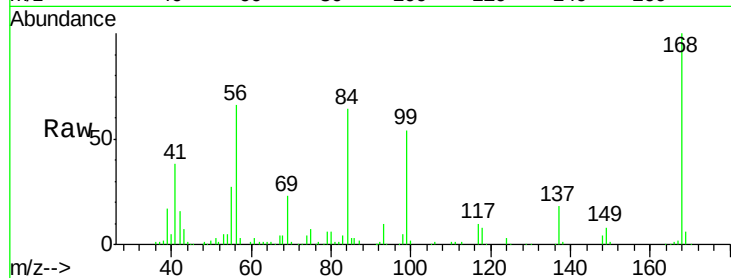
99 53.3 43.0 64.4

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

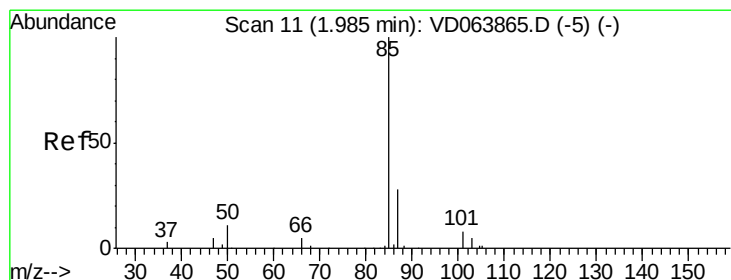
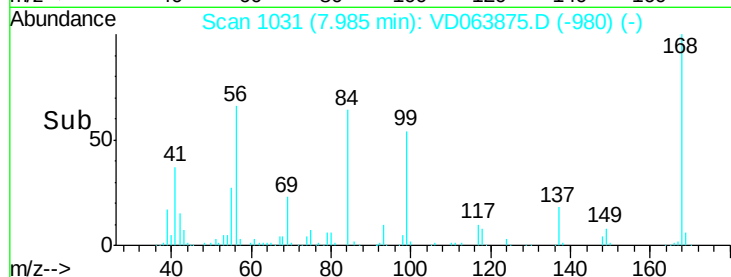
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.764 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063875.D

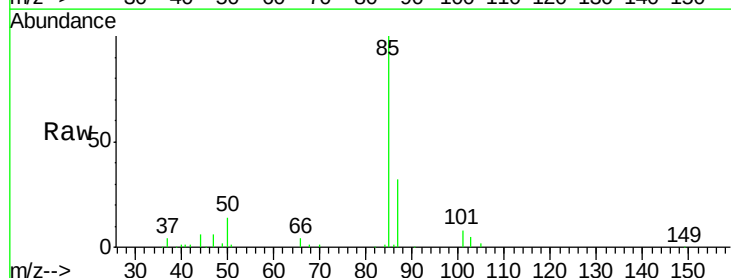
Acq: 03 Oct 2019 14:53

Tgt Ion: 85 Resp: 63458

Ion Ratio Lower Upper

85 100

87 31.6 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

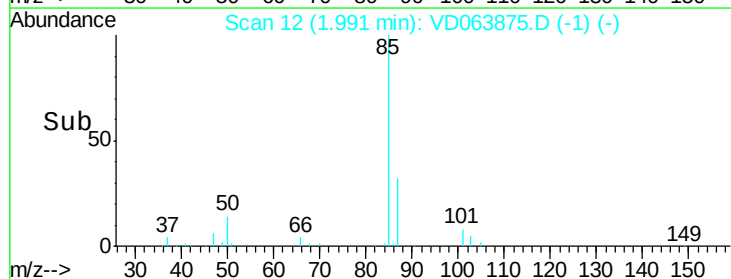
30000

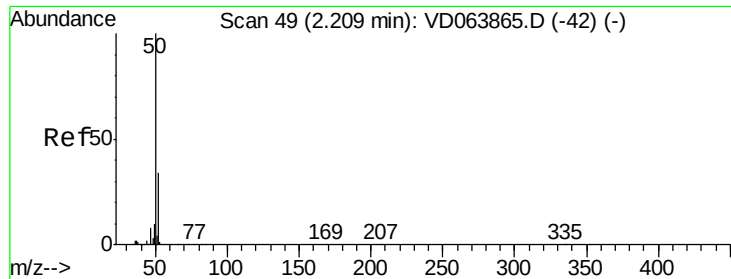
20000

10000

0

Time-->





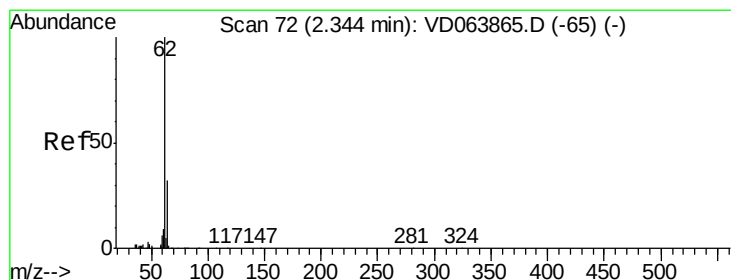
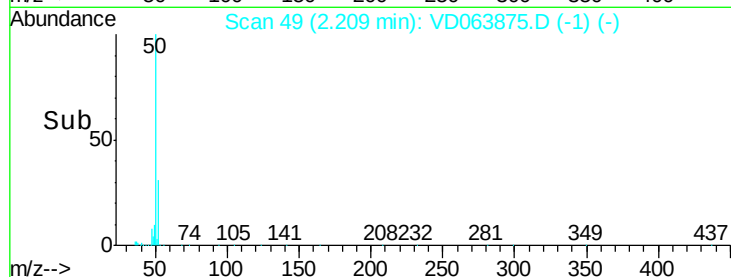
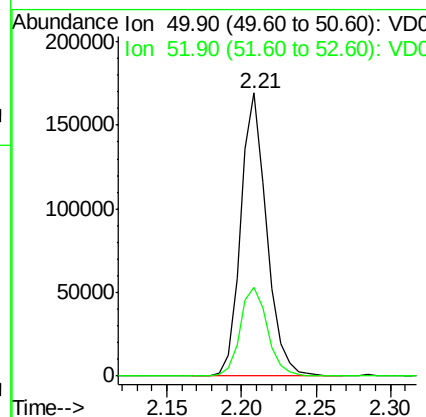
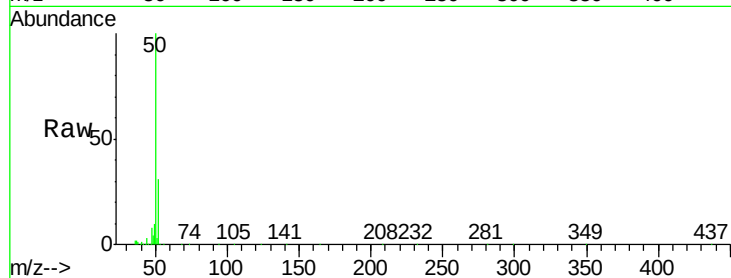
#3
Chloromethane
Concen: 52.590 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.2	27.5	41.3

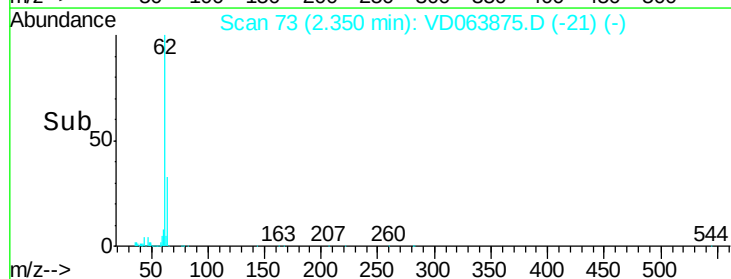
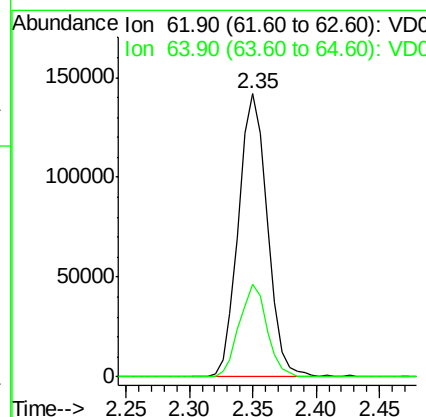
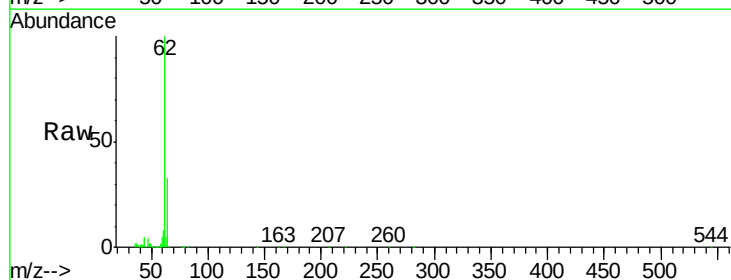
Manual Integrations
APPROVED

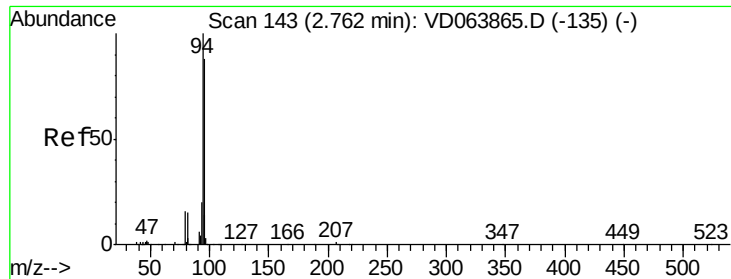
MMDadoda
10/4/2019 4:31:25 PM



#4
Vinyl Chloride
Concen: 47.824 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.4	38.0





#5

Bromomethane

Concen: 43.669 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 131569

Ion Ratio Lower Upper

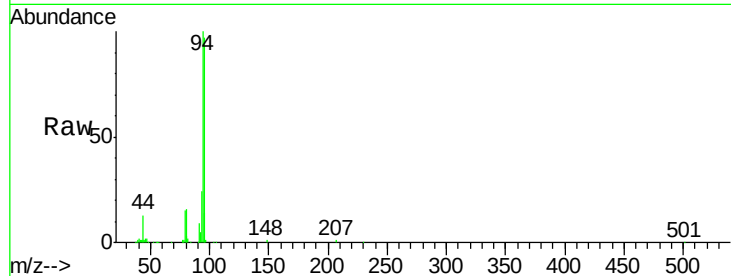
94 100

96 96.7 70.8 106.2

Manual Integrations
APPROVED

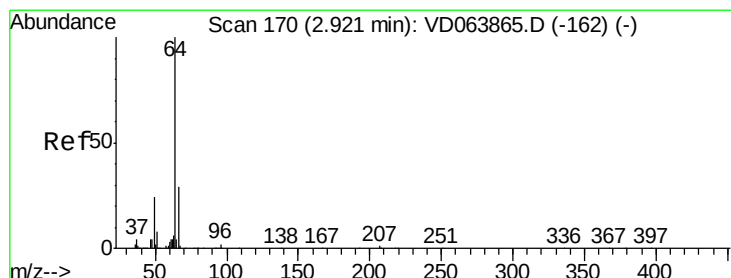
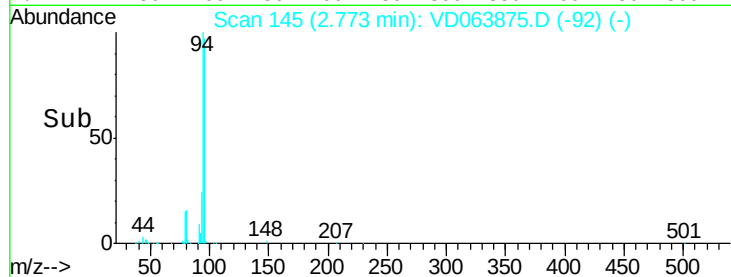
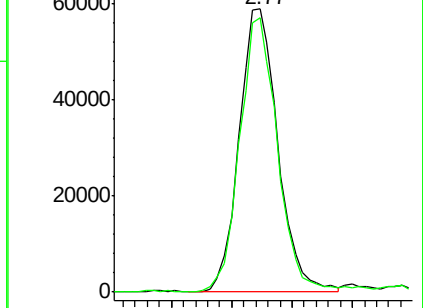
MMDadoda

10/4/2019 4:31:25 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.403 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063875.D

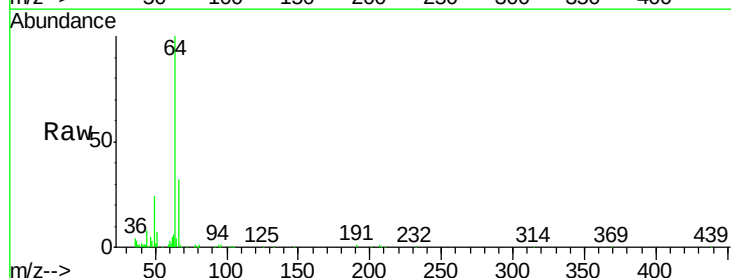
Acq: 03 Oct 2019 14:53

Tgt Ion: 64 Resp: 143815

Ion Ratio Lower Upper

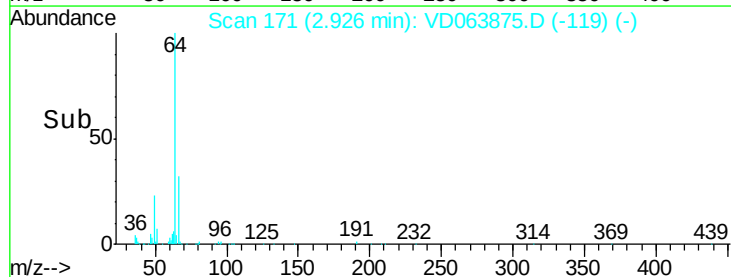
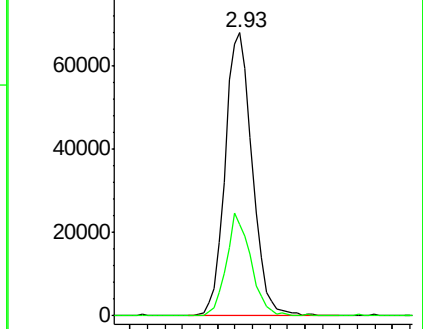
64 100

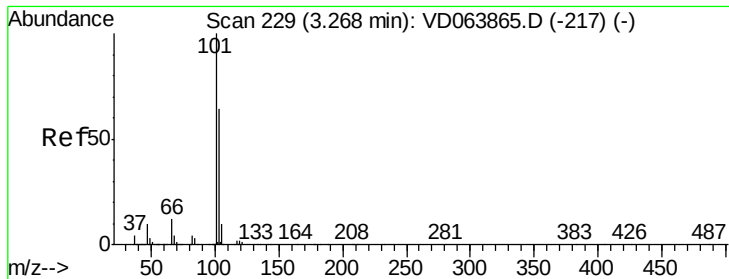
66 32.1 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

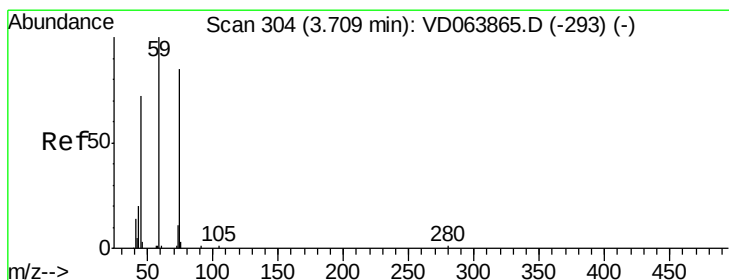
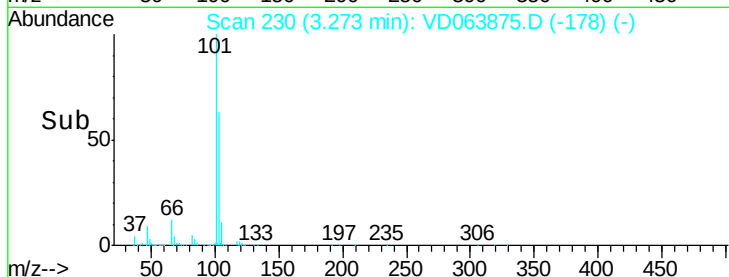
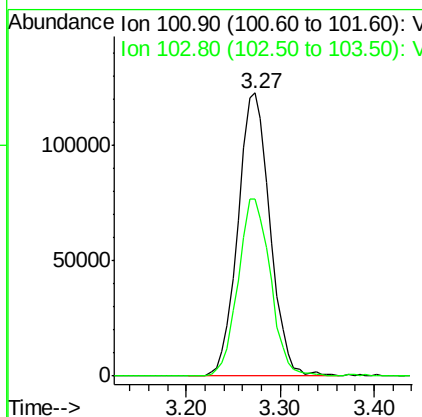
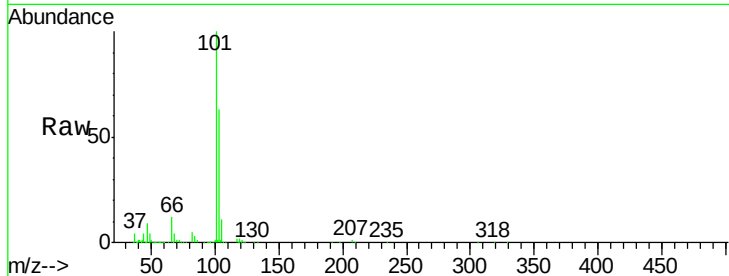
Trichlorofluoromethane
Concen: 46.708 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.1	76.7

Manual Integrations
APPROVED

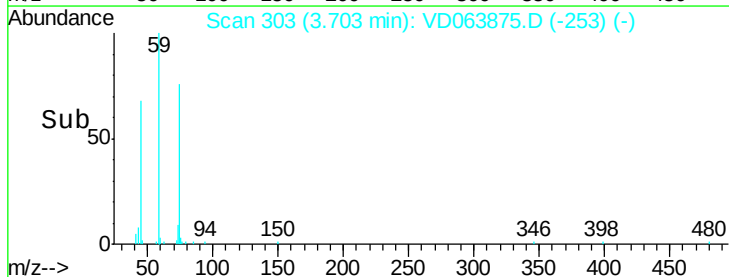
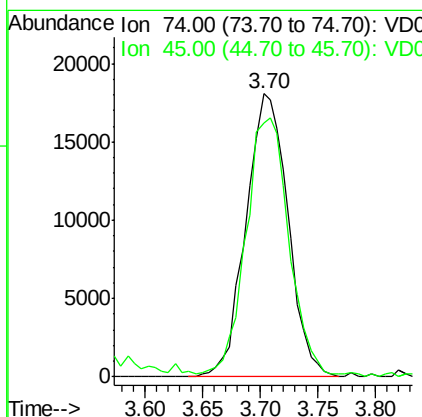
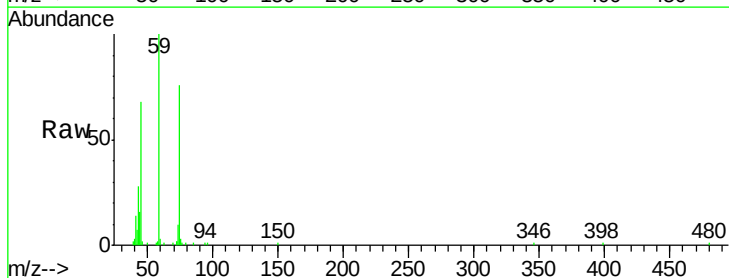
MMDadoda
10/4/2019 4:31:25 PM

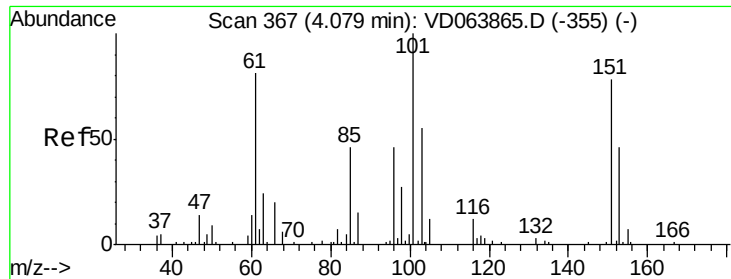


#8

Diethyl Ether
Concen: 46.056 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.015 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

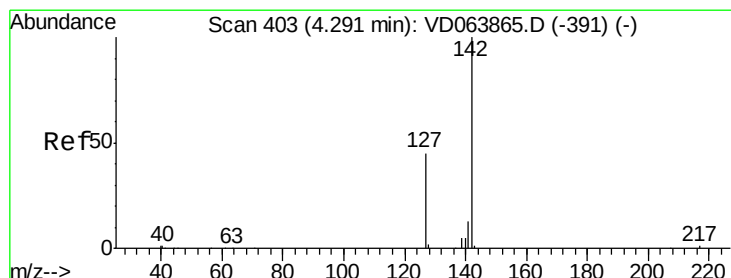
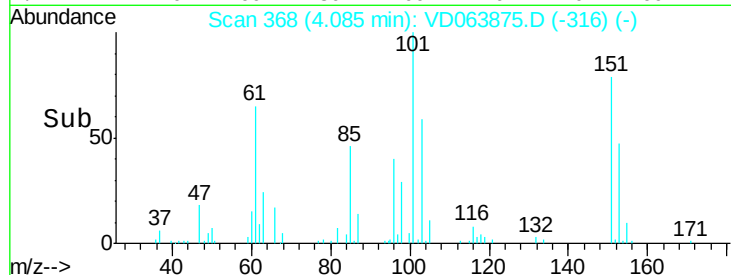
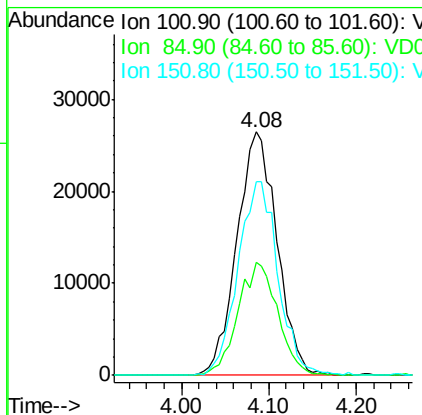
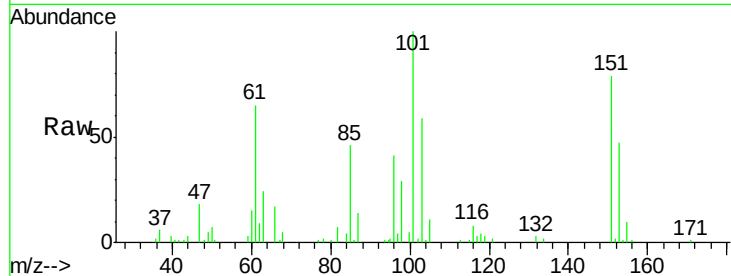
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	82353
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.5	56.3
151	79.3	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#10

Methyl Iodide

Concen: 48.918 ug/l

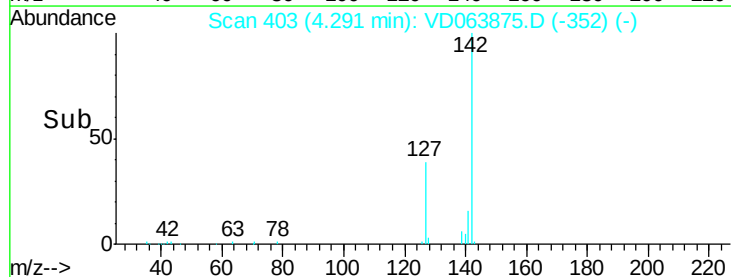
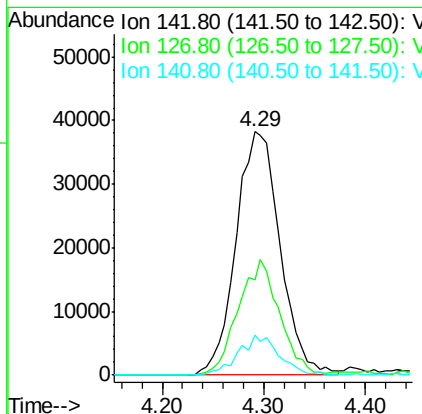
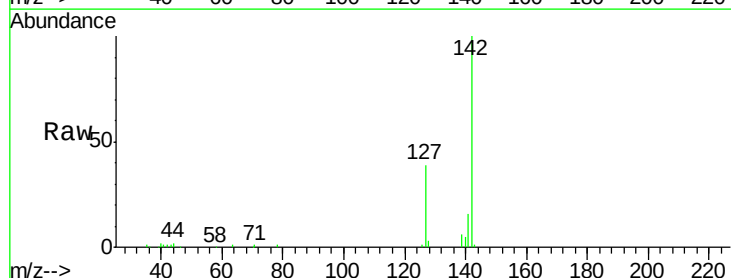
RT: 4.29 min Scan# 403

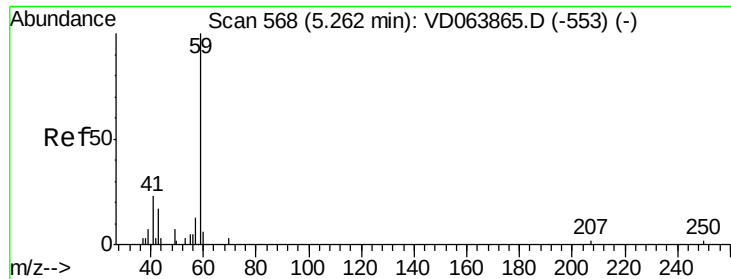
Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion:	142	Resp:	115611
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	15.0	12.2	18.2





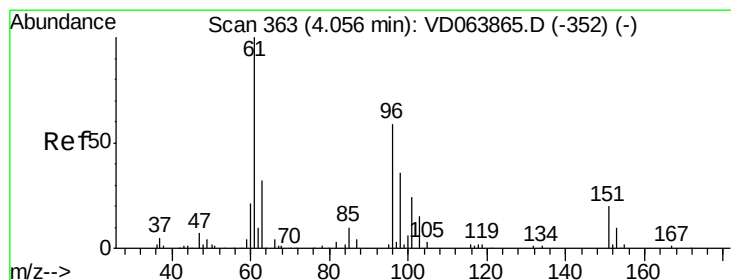
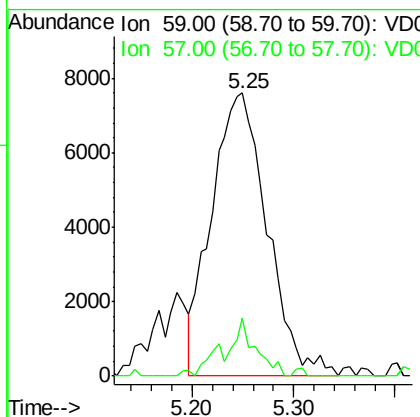
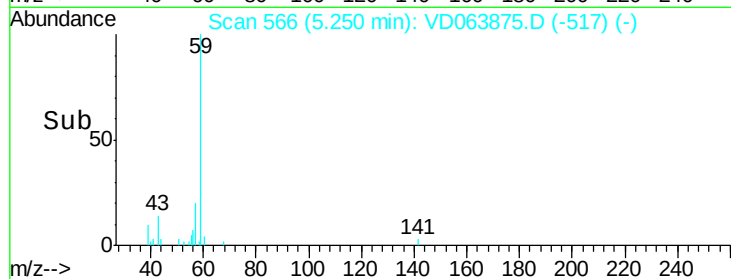
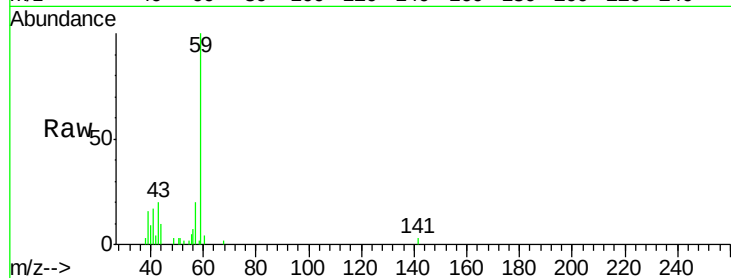
#11
Tert butyl alcohol
Concen: 207.949 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 28944
Ion Ratio Lower Upper
59 100
57 7.9 8.8 13.2#

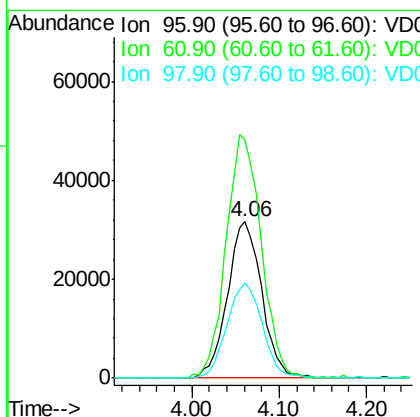
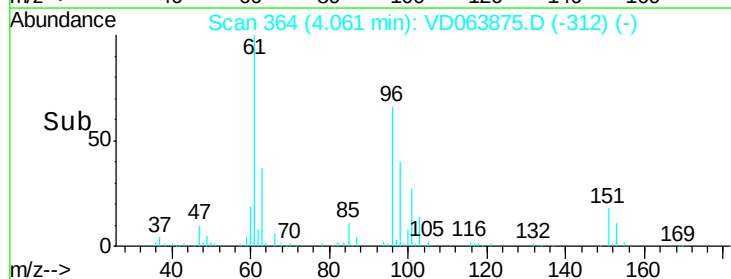
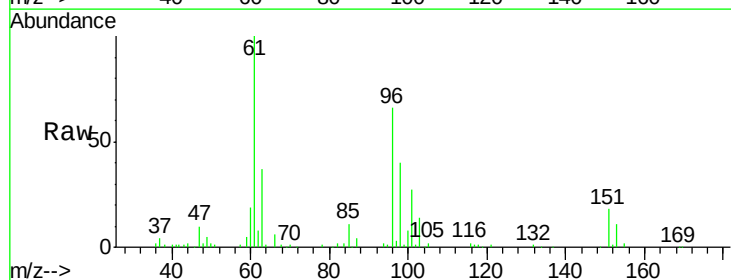
Manual Integrations
APPROVED

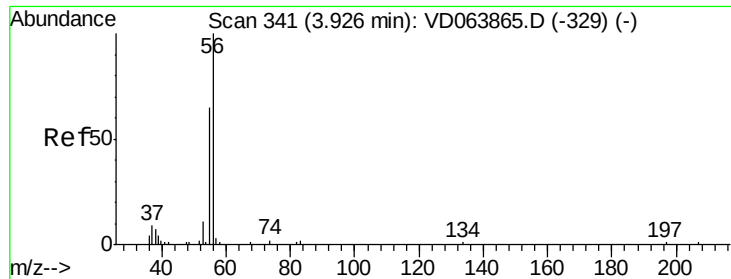
MMDadoda
10/4/2019 4:31:25 PM



#12
1,1-Dichloroethene
Concen: 49.136 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 96 Resp: 84197
Ion Ratio Lower Upper
96 100
61 152.6 135.6 203.4
98 61.3 49.2 73.8





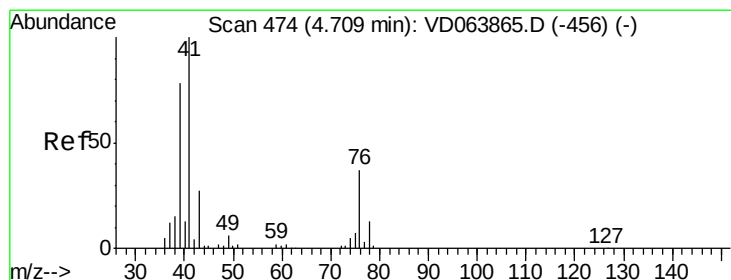
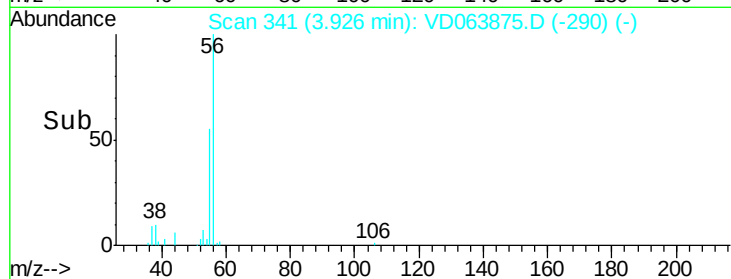
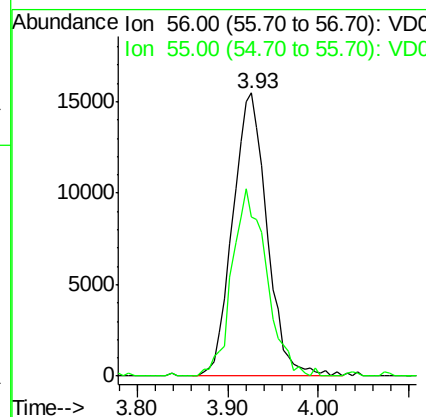
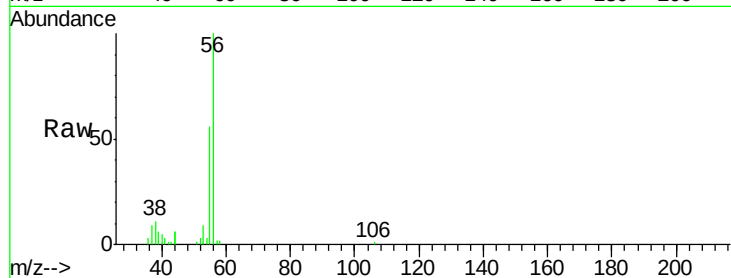
#13
Acrolein
Concen: 228.705 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	40661
Ion Ratio	100	Lower	Upper
55	66.0	53.0	79.6

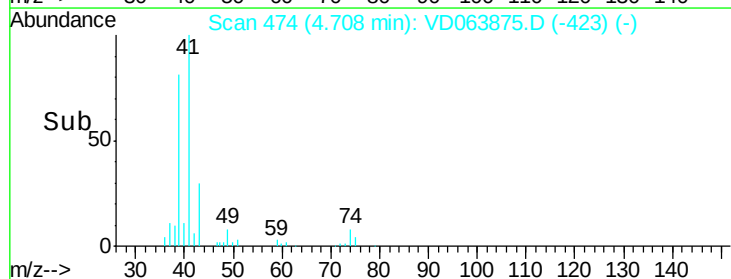
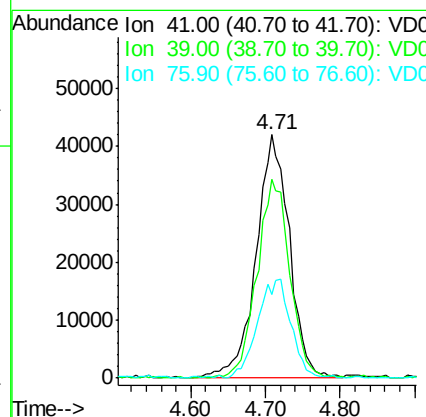
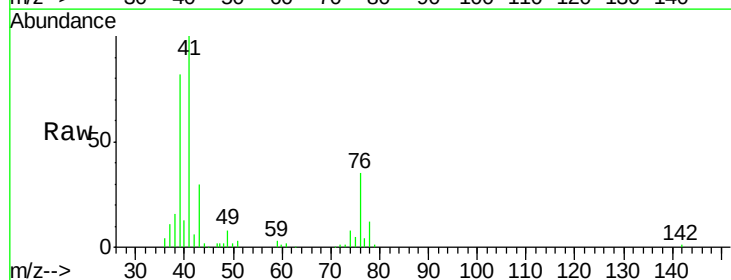
Manual Integrations
APPROVED

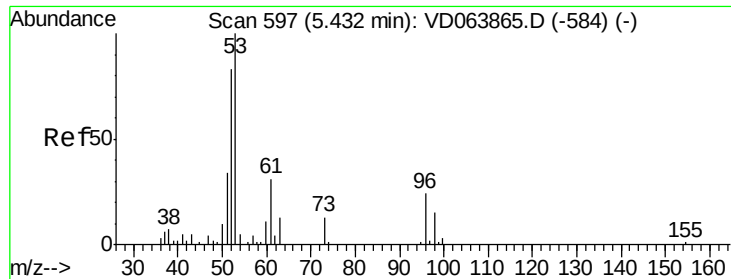
MMDadoda
10/4/2019 4:31:25 PM



#14
Allyl chloride
Concen: 45.808 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	41	Resp	130504
Ion Ratio	100	Lower	Upper
39	80.2	61.8	92.6
76	40.4	31.3	46.9





#15

Acrylonitrile

Concen: 225.530 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

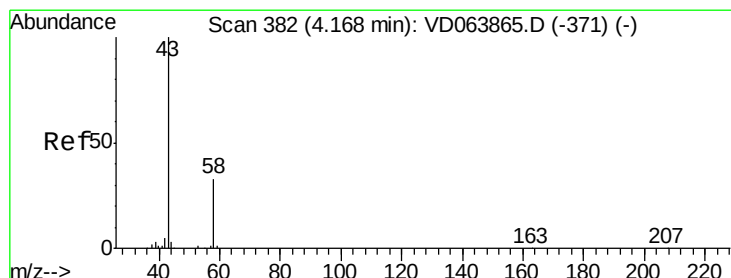
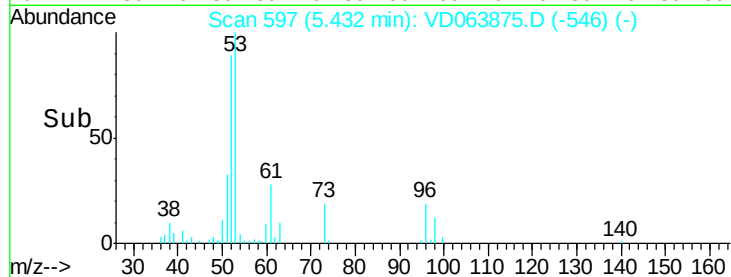
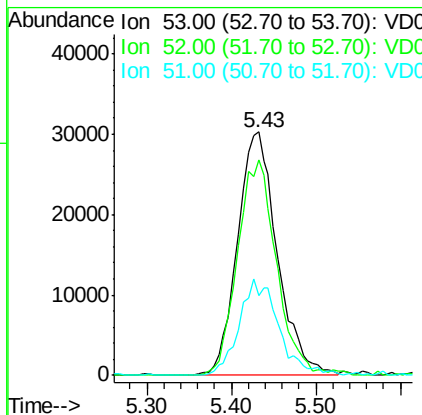
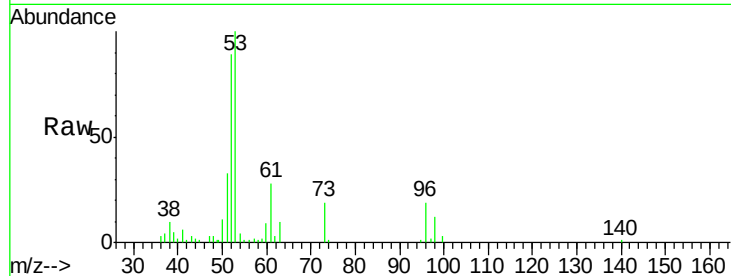
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	98888
Ion Ratio	Lower	Upper	
53	100		
52	86.5	67.3	100.9
51	39.1	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#16

Acetone

Concen: 222.975 ug/l

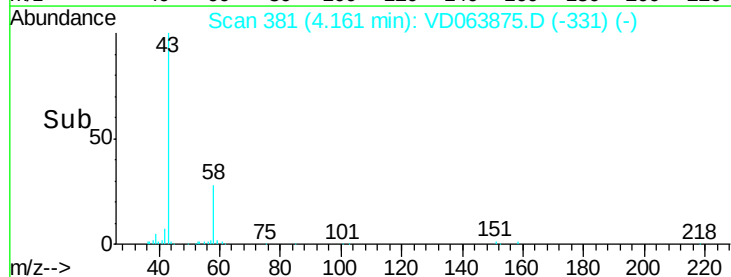
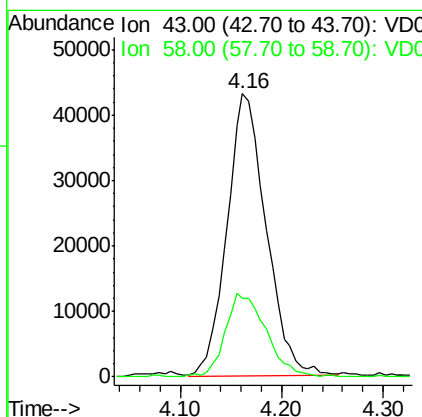
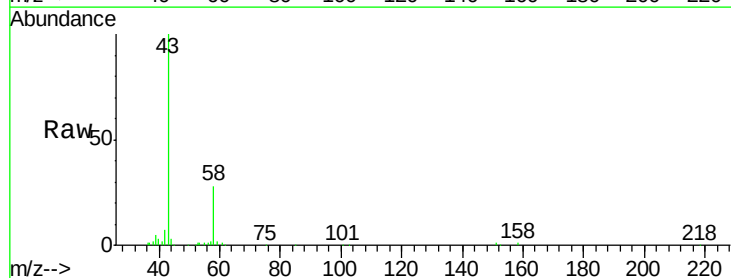
RT: 4.16 min Scan# 381

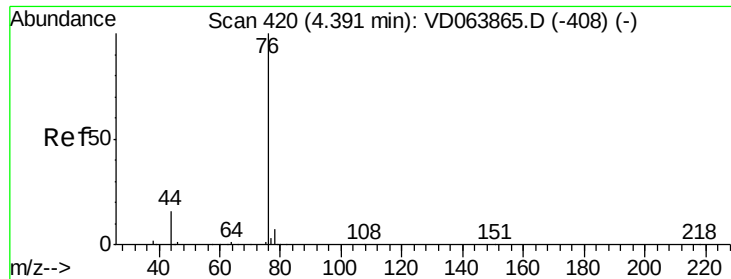
Delta R.T. -0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion:	43	Resp:	115559
Ion Ratio	Lower	Upper	
43	100		
58	27.8	26.2	39.4





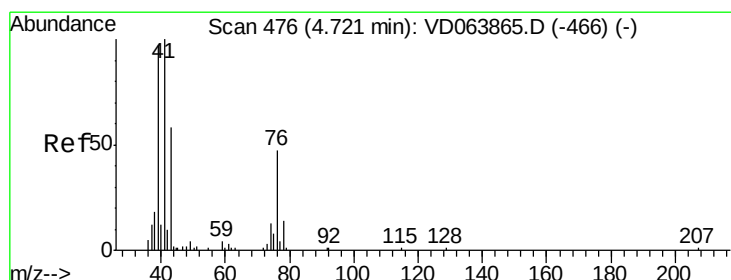
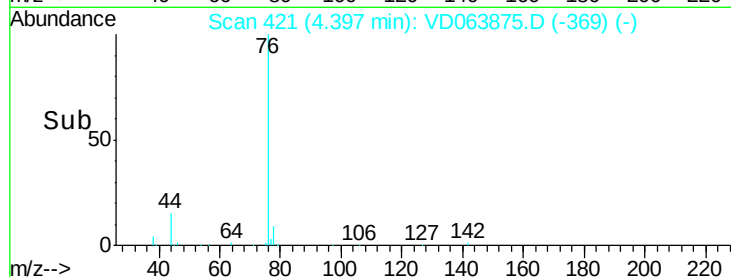
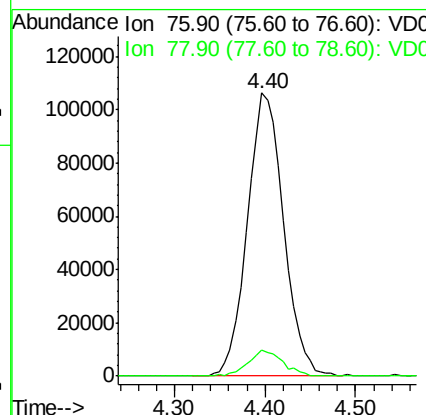
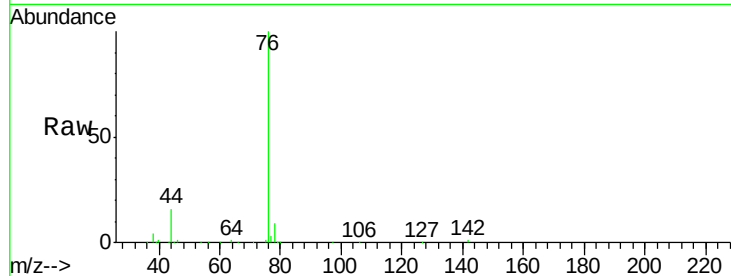
#17
Carbon Disulfide
Concen: 47.316 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	294732		
78	9.4	5.8	8.8#	

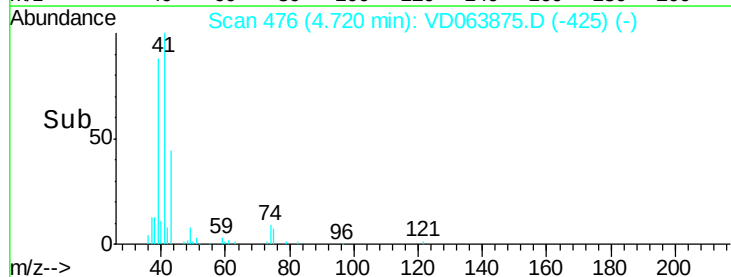
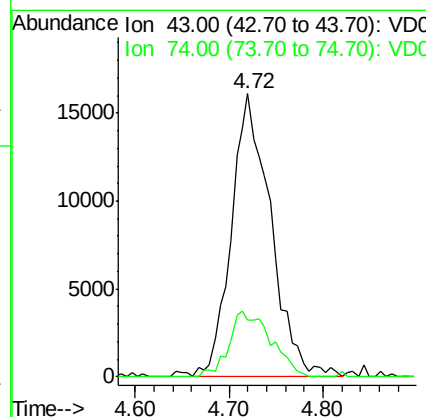
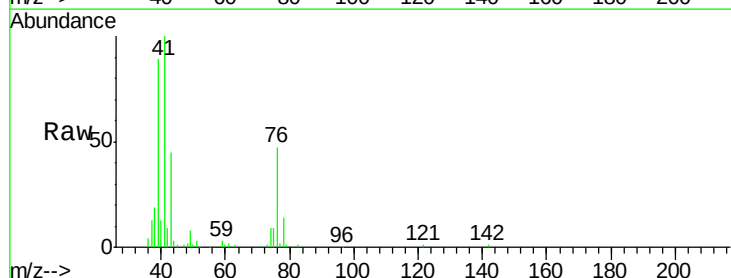
Manual Integrations
APPROVED

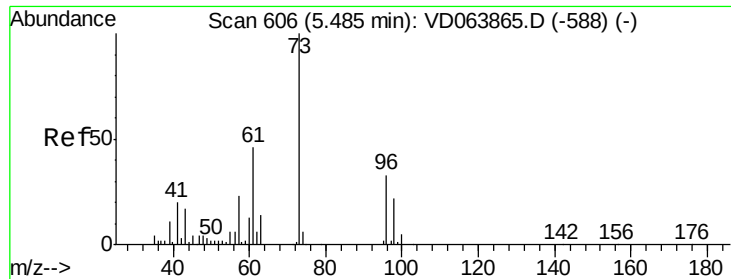
MMDadoda
10/4/2019 4:31:25 PM



#18
Methyl Acetate
Concen: 46.143 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46773		
74	24.8	20.8	31.2	





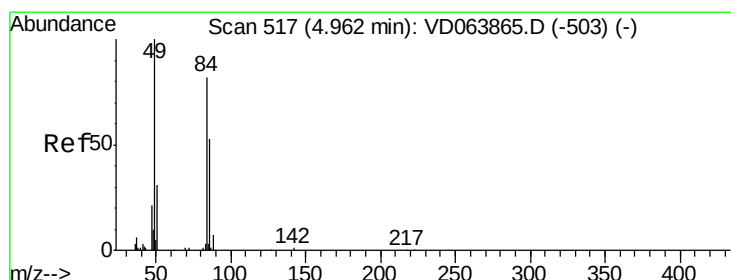
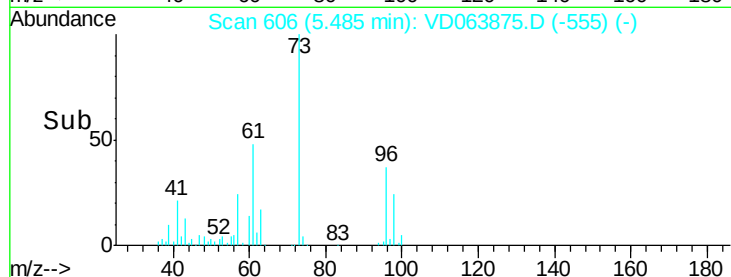
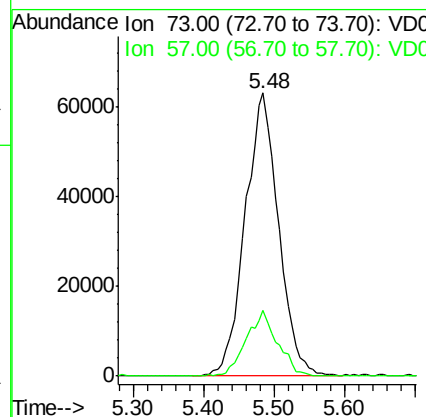
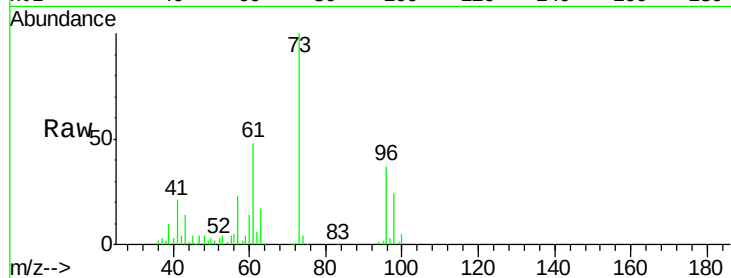
#19
Methyl tert-butyl Ether
Concen: 47.039 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 208726
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1

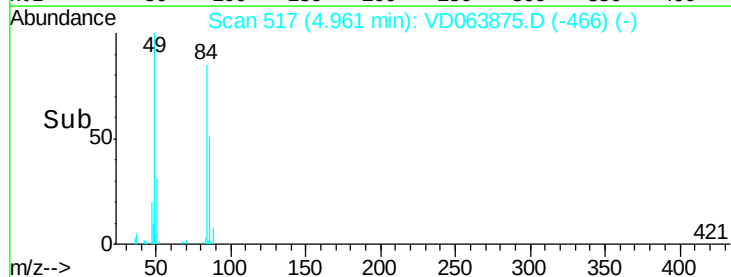
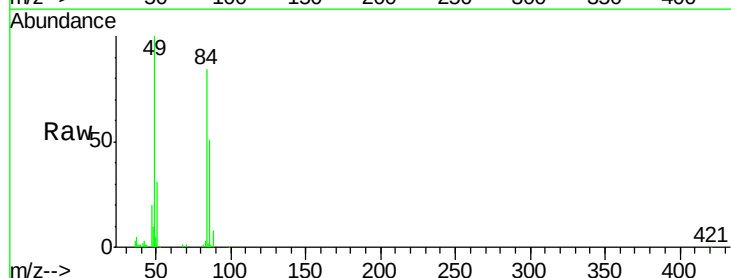
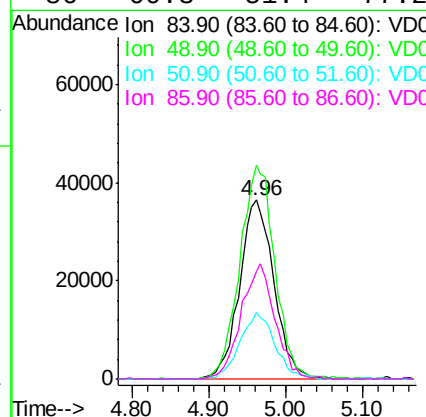
Manual Integrations
APPROVED

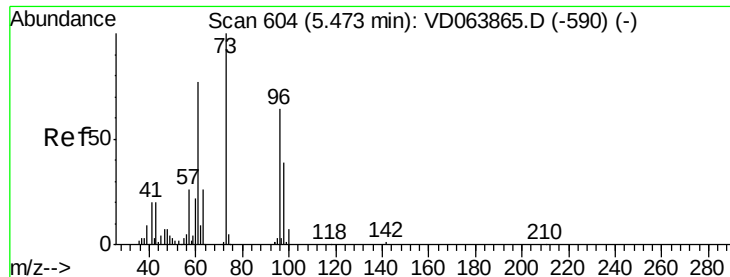
MMDadoda
10/4/2019 4:31:25 PM



#20
Methylene Chloride
Concen: 49.493 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 84 Resp: 113883
Ion Ratio Lower Upper
84 100
49 119.3 97.3 145.9
51 37.1 30.1 45.1
86 60.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.370 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 103182

Ion Ratio Lower Upper

96 100

61 135.0 96.6 145.0

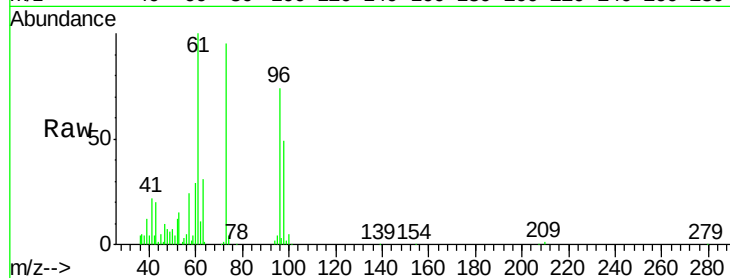
98 66.7 48.7 73.1

Manual Integrations

APPROVED

MMDadoda

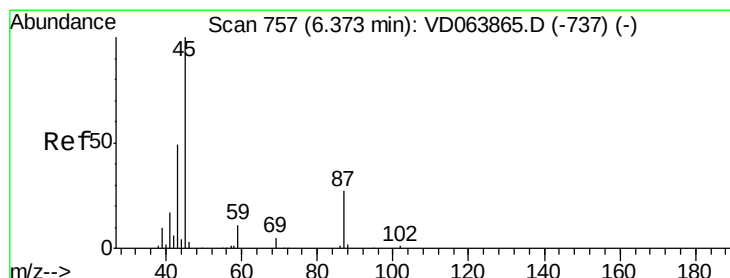
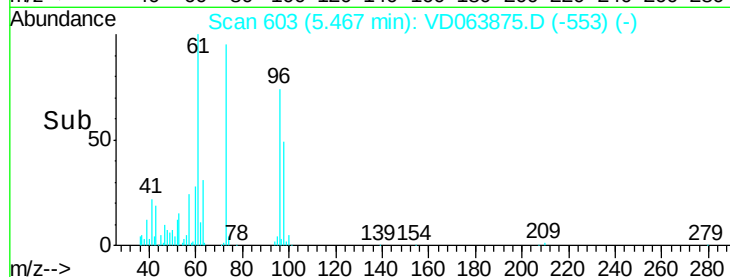
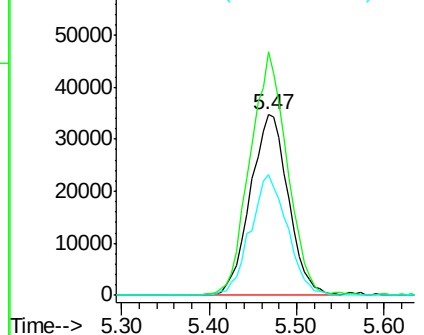
10/4/2019 4:31:25 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.378 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion: 45 Resp: 287299

Ion Ratio Lower Upper

45 100

43 54.2 41.2 61.8

87 29.9 22.2 33.4

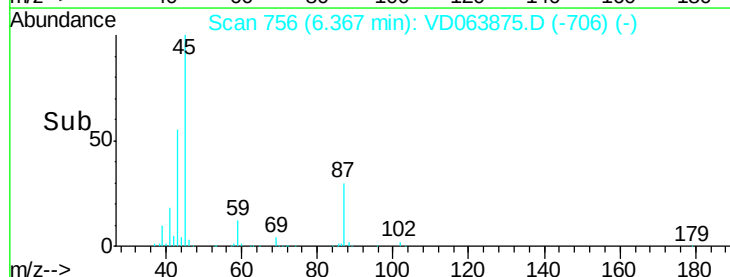
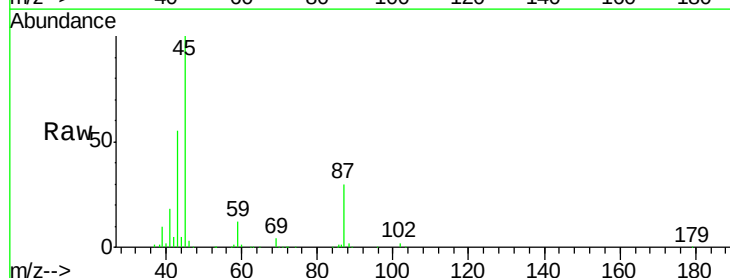
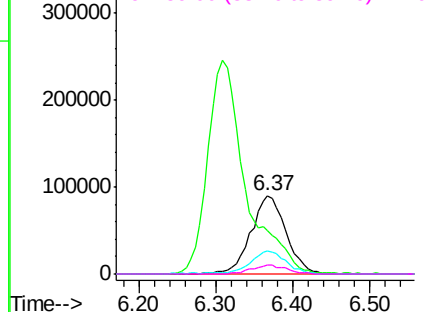
59 11.2 9.2 13.8

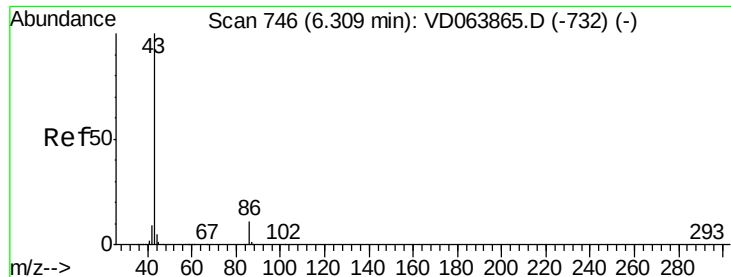
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 241.660 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 836452

Ion Ratio Lower Upper

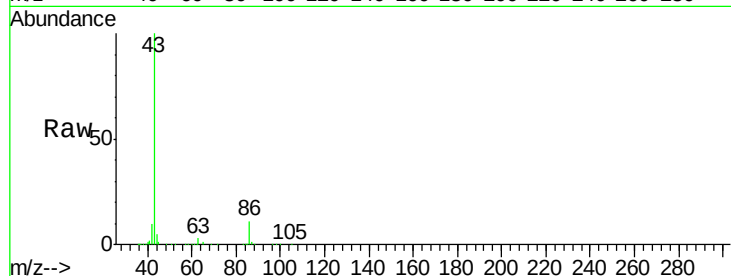
43 100

86 11.4 8.8 13.2

Manual Integrations
APPROVED

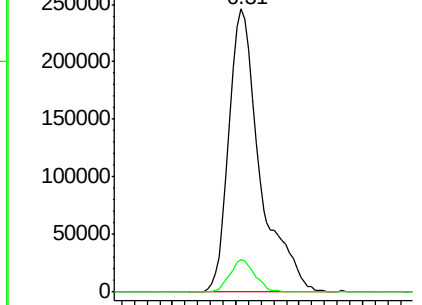
MMDadoda

10/4/2019 4:31:25 PM

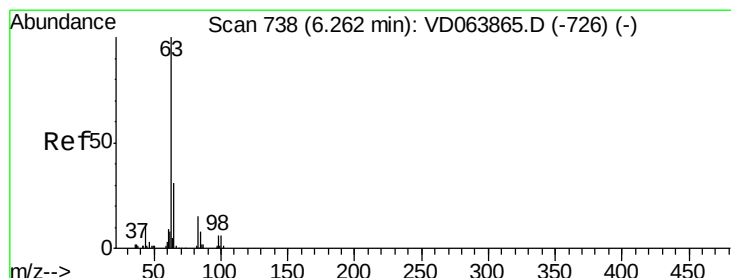
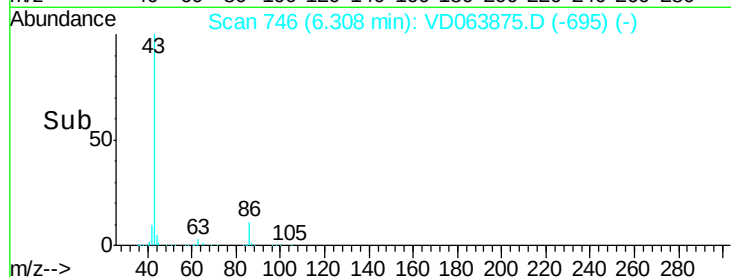


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 49.266 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

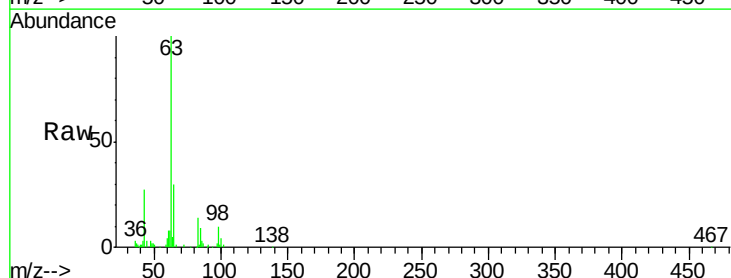
Tgt Ion: 63 Resp: 176563

Ion Ratio Lower Upper

63 100

98 9.8 3.1 9.4#

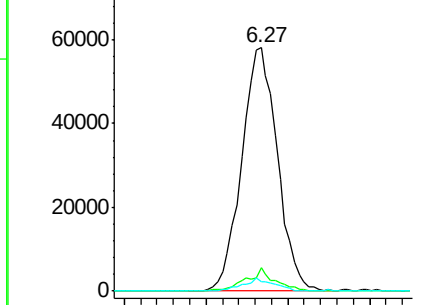
100 3.6 3.0 9.2



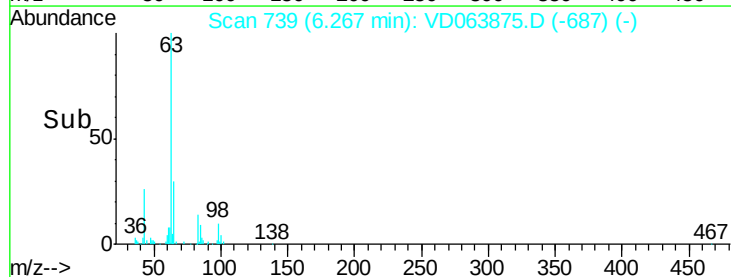
Abundance Ion 62.90 (62.60 to 63.60): VDC

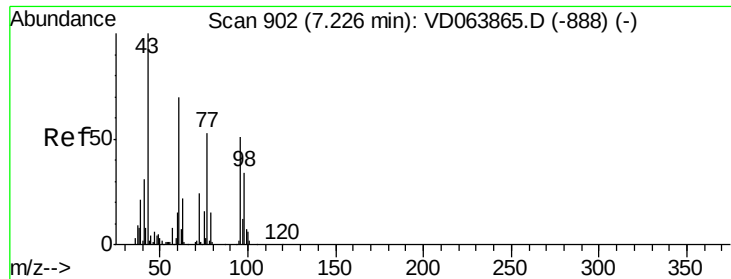
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 230.664 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 141672

Ion Ratio Lower Upper

43 100

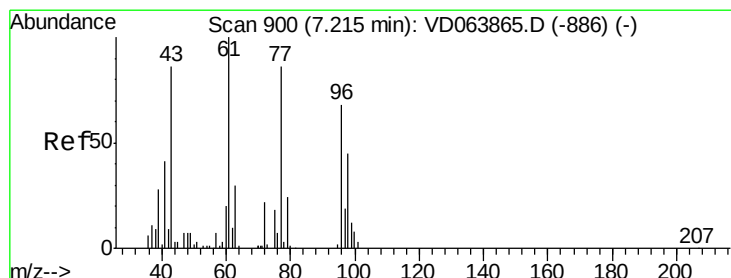
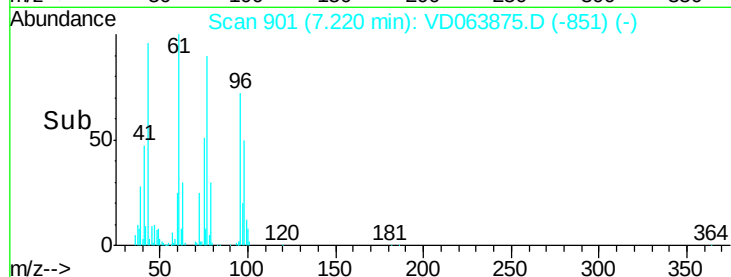
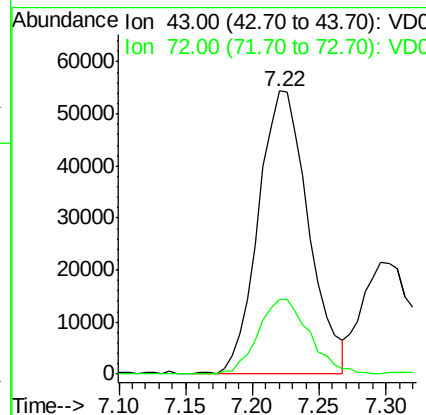
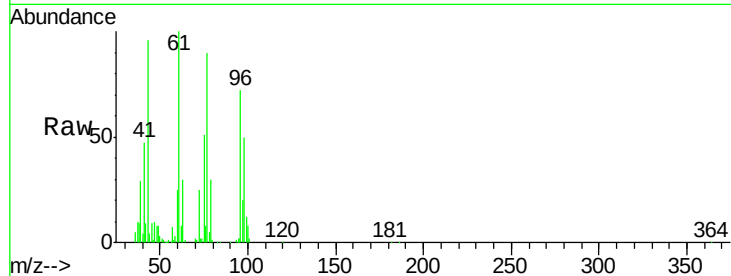
72 26.3 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:25 PM



#26

2,2-Dichloropropane

Concen: 48.642 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063875.D

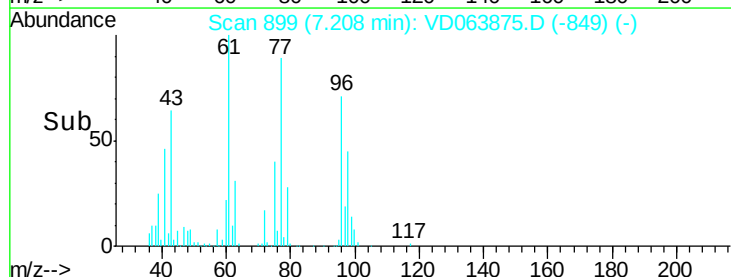
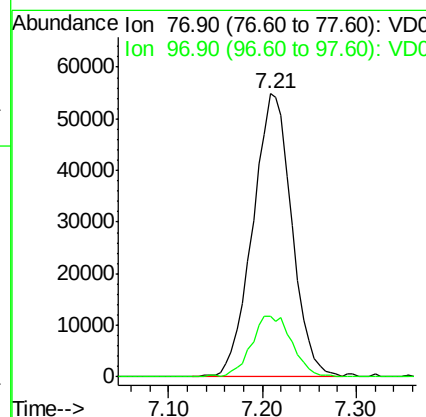
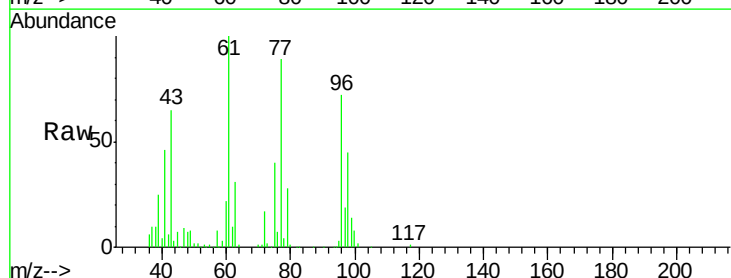
Acq: 03 Oct 2019 14:53

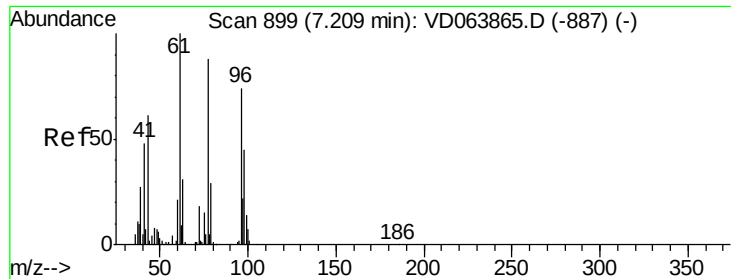
Tgt Ion: 77 Resp: 157694

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





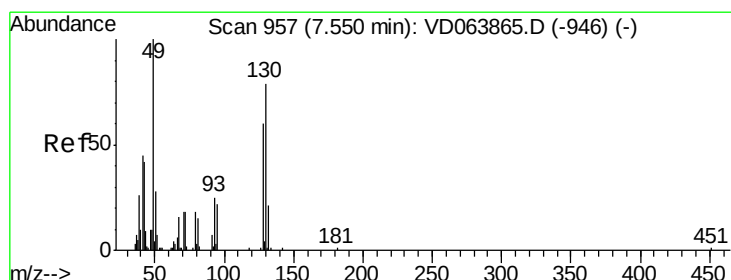
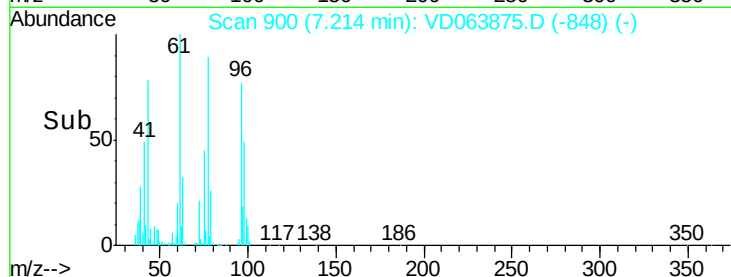
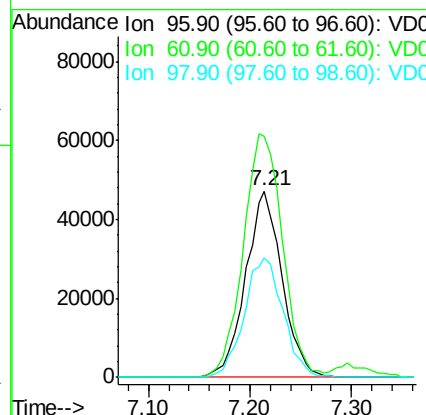
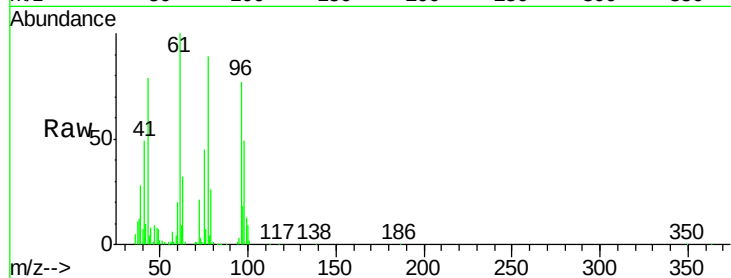
#27
 cis-1,2-Dichloroethene
 Concen: 48.888 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	280.0
98	68.2	0.0	130.4

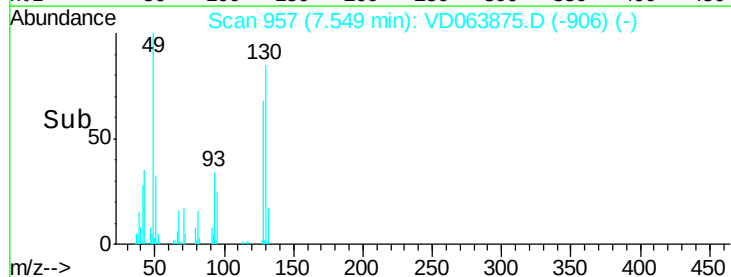
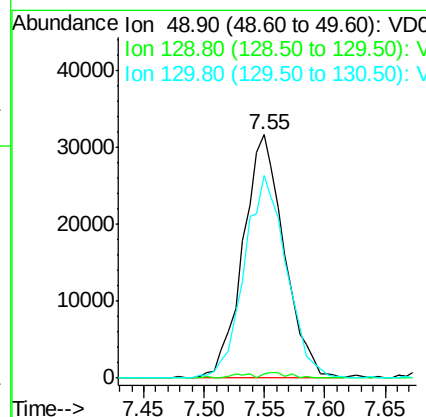
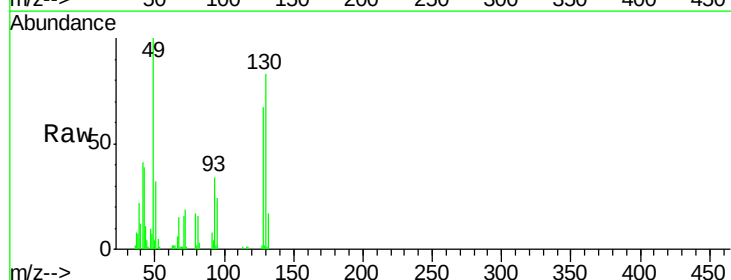
Manual Integrations
 APPROVED

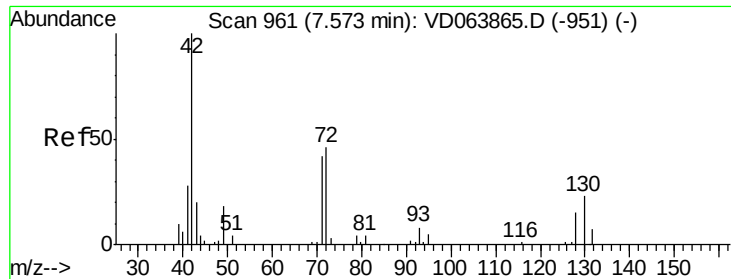
MMDadoda
 10/4/2019 4:31:25 PM



#28
 Bromochloromethane
 Concen: 54.823 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	5.6
130	85.2	66.8	100.2





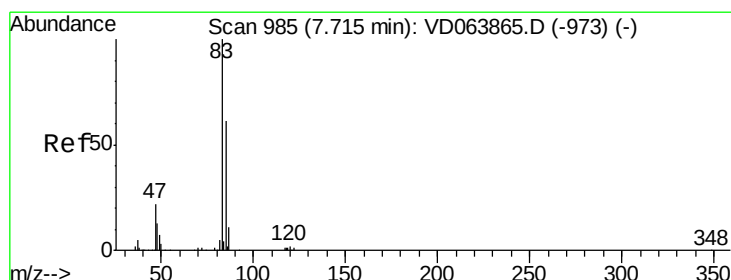
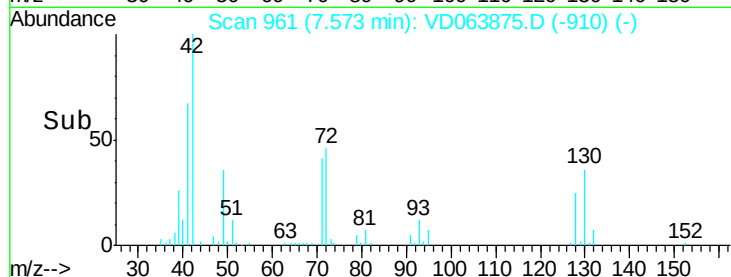
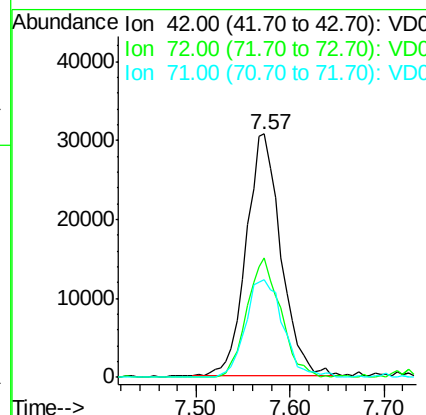
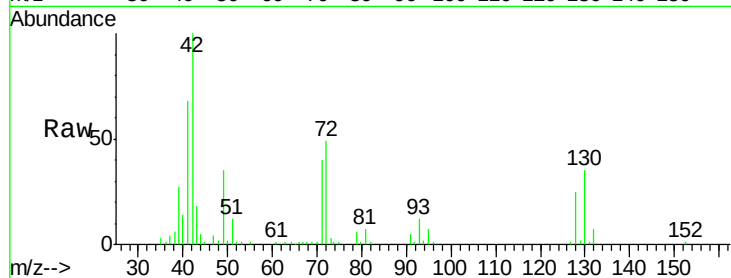
#29
Tetrahydrofuran
Concen: 219.265 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.6	56.4
71	43.6	35.0	52.6

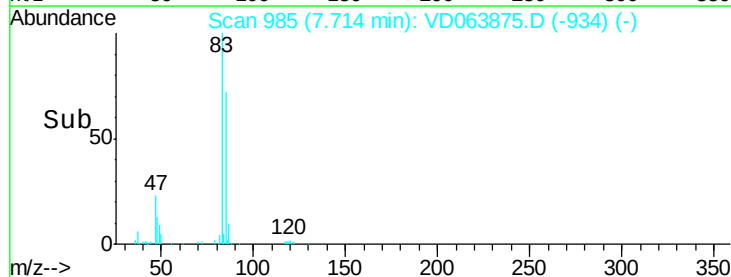
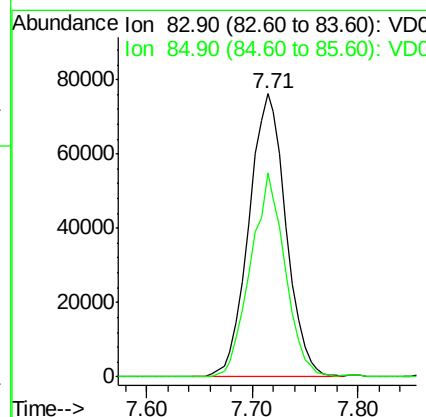
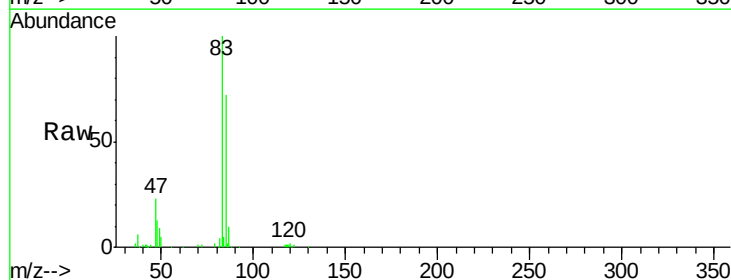
Manual Integrations
APPROVED

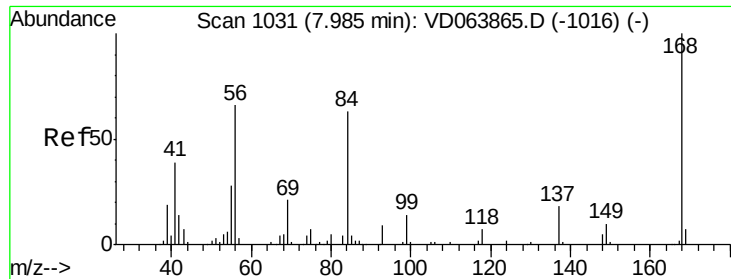
MMDadoda
10/4/2019 4:31:25 PM



#30
Chloroform
Concen: 47.851 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.0	48.9	73.3





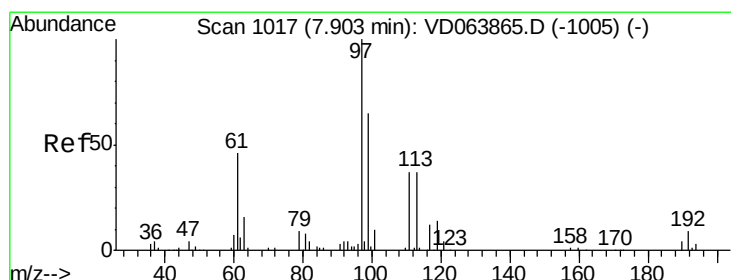
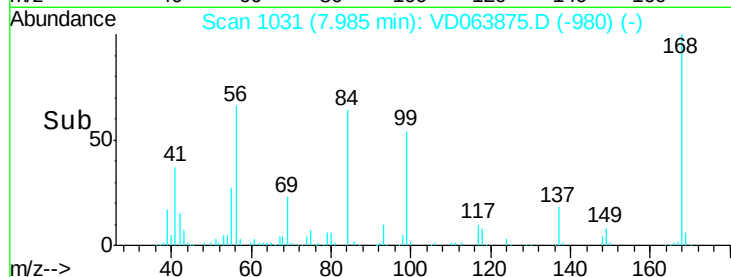
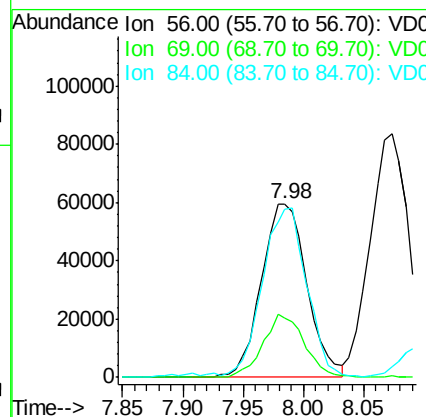
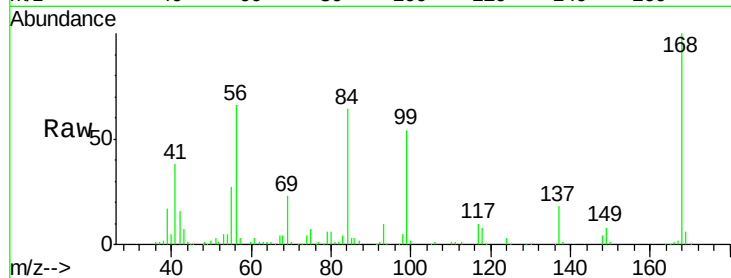
#31
Cyclohexane
Concen: 52.929 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	25.0	37.4
84	95.2	76.3	114.5

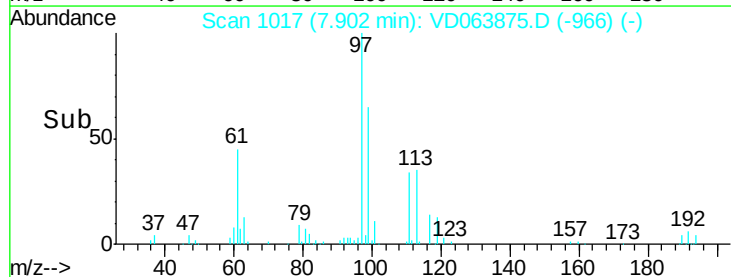
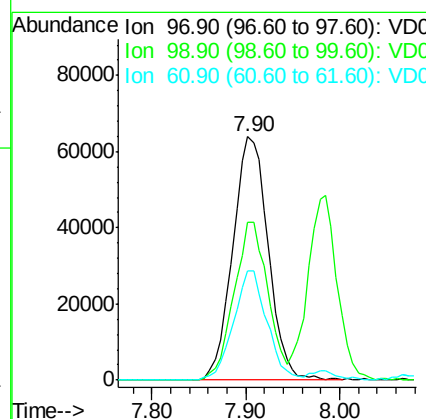
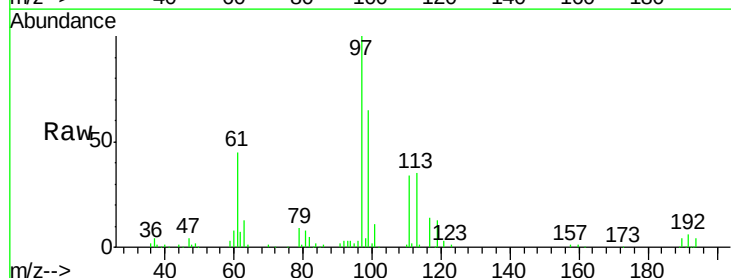
Manual Integrations
APPROVED

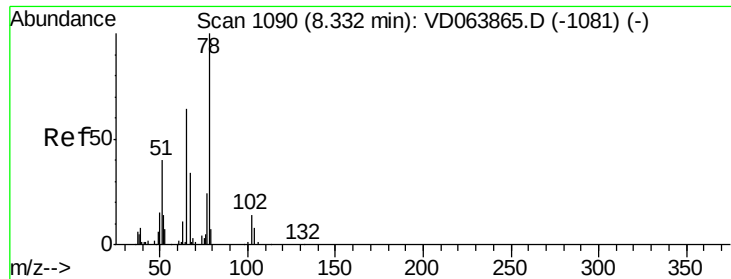
MMDadoda
10/4/2019 4:31:25 PM



#32
1,1,1-Trichloroethane
Concen: 49.974 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.4	78.6
61	42.6	33.8	50.8





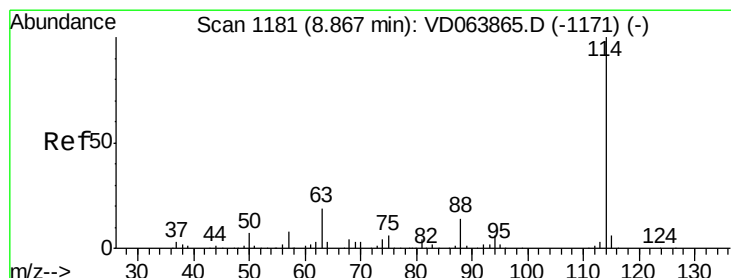
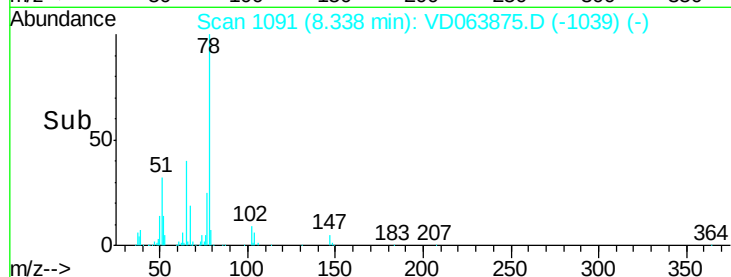
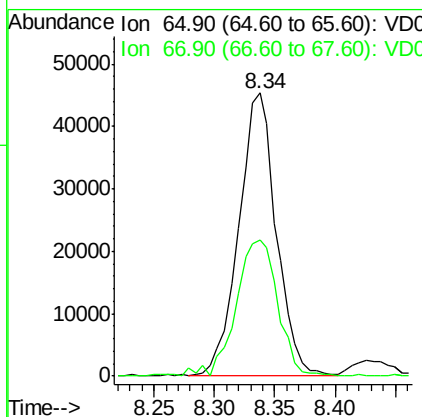
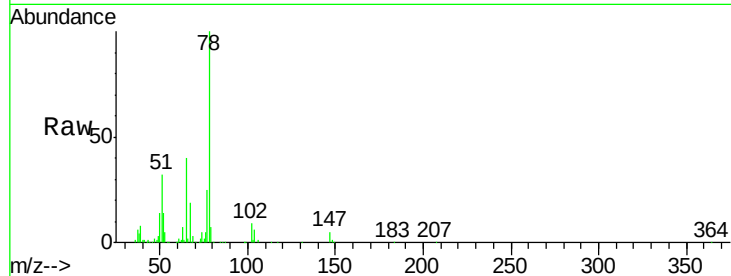
#33
 1,2-Dichloroethane-d4
 Concen: 49.451 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.4

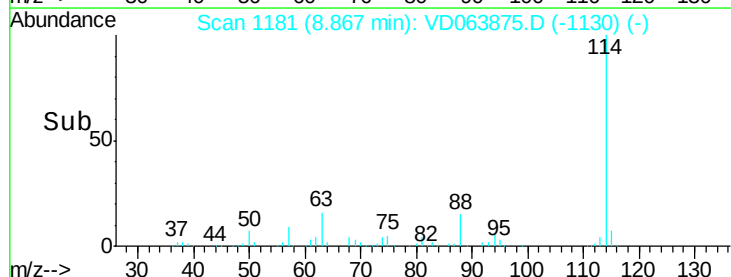
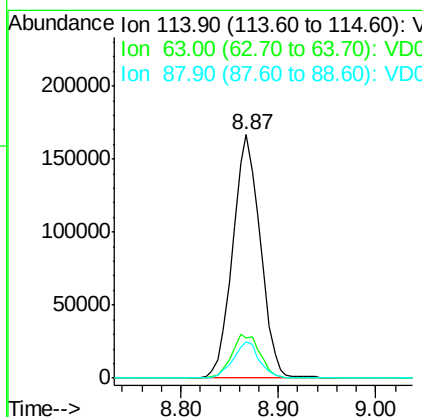
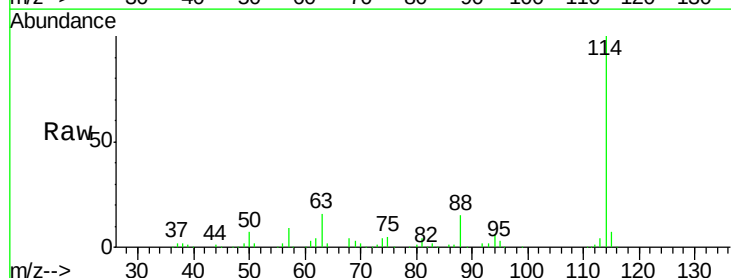
Manual Integrations
 APPROVED

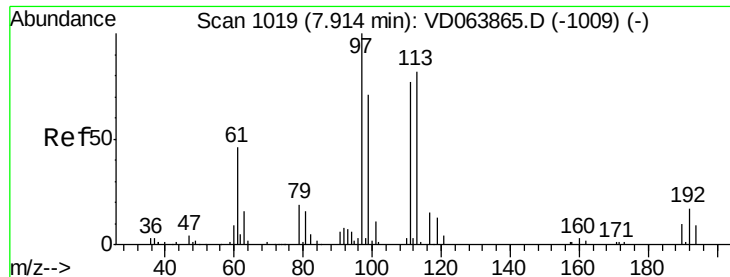
MMDadoda
 10/4/2019 4:31:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	38.4
88	14.7	0.0	27.4





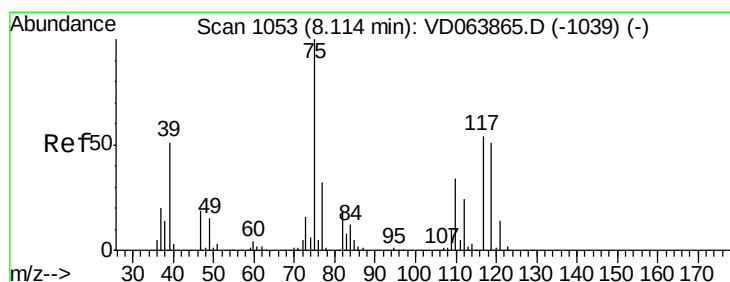
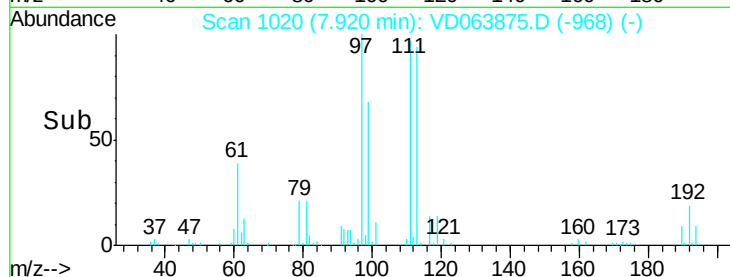
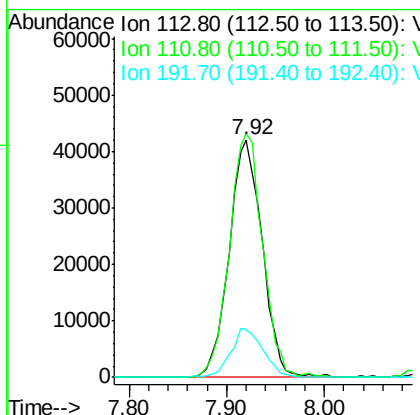
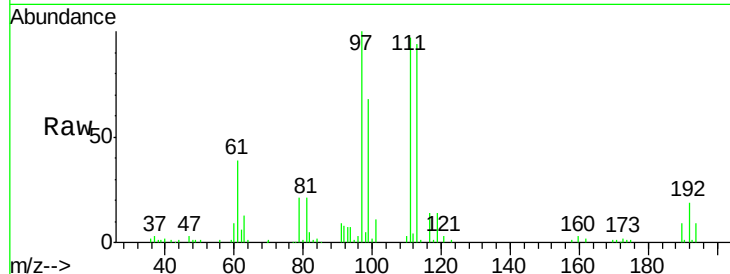
#35
 Dibromofluoromethane
 Concen: 49.416 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.3	17.1	25.7

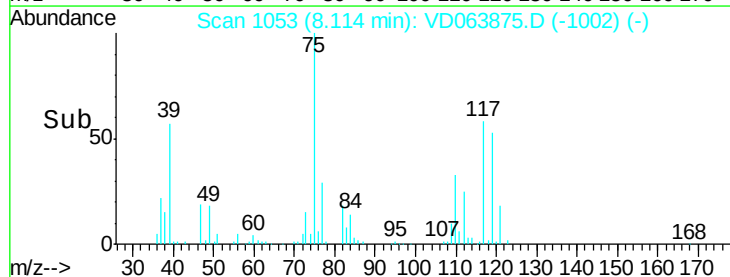
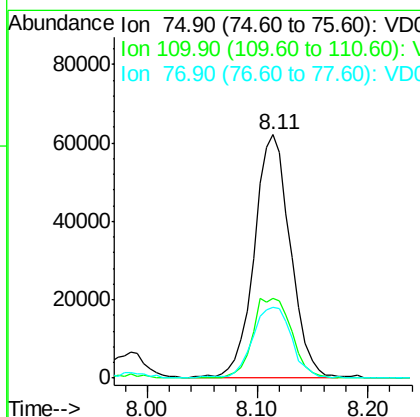
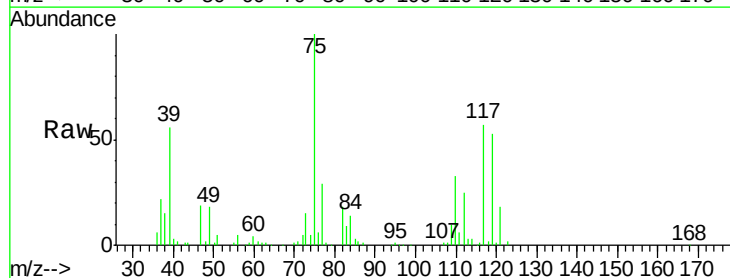
Manual Integrations
 APPROVED

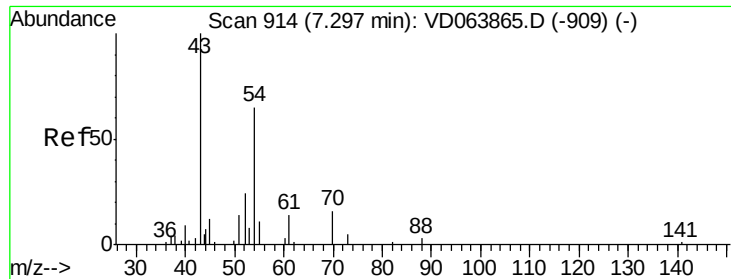
MMDadoda
 10/4/2019 4:31:25 PM



#36
 1,1-Dichloropropene
 Concen: 47.397 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.4	52.3
77	32.0	25.4	38.0





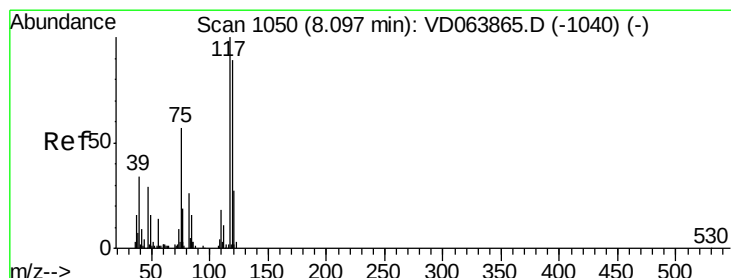
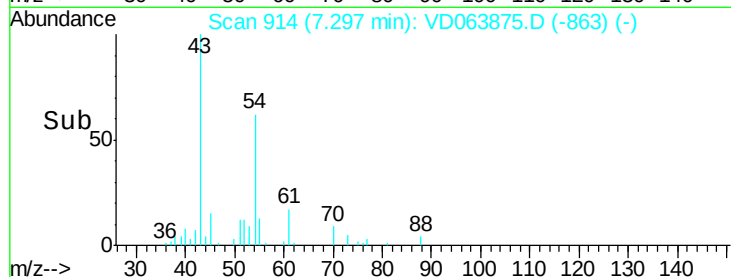
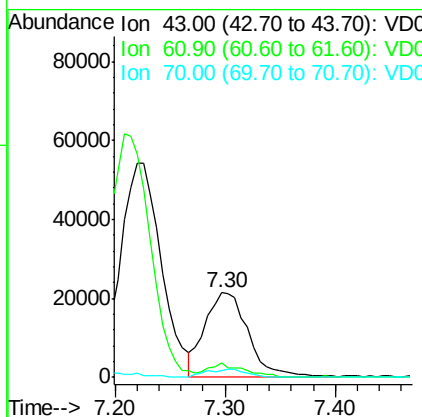
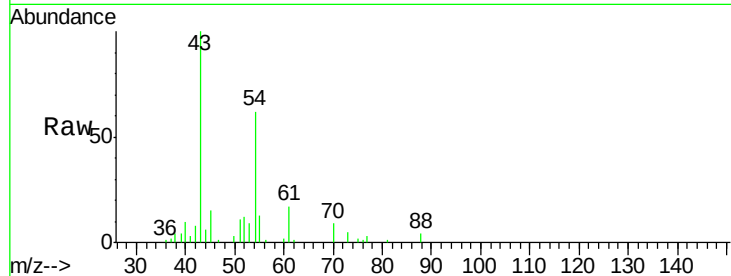
#37
Ethyl Acetate
Concen: 47.935 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	9.0	8.2	12.4

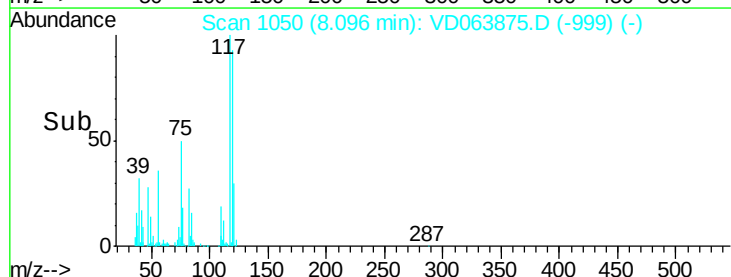
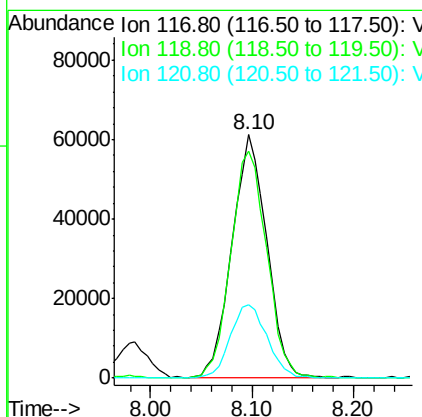
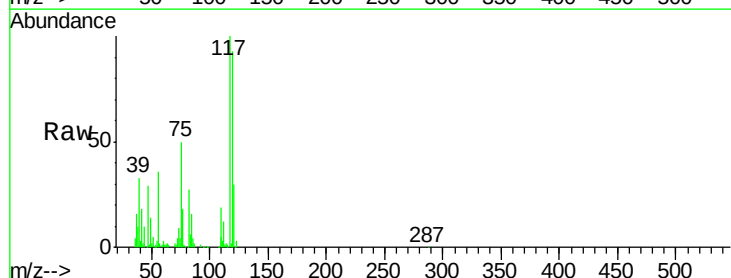
Manual Integrations
APPROVED

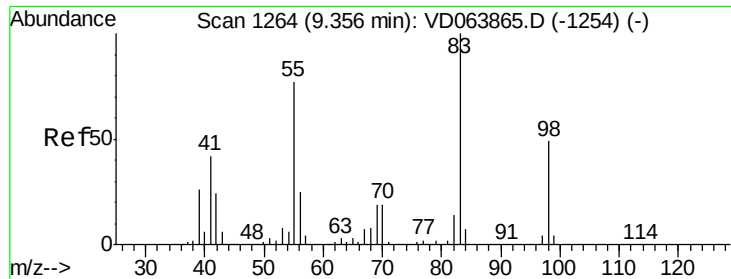
MMDadoda
10/4/2019 4:31:25 PM



#38
Carbon Tetrachloride
Concen: 48.531 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	70.8	106.2
121	30.1	21.4	32.0





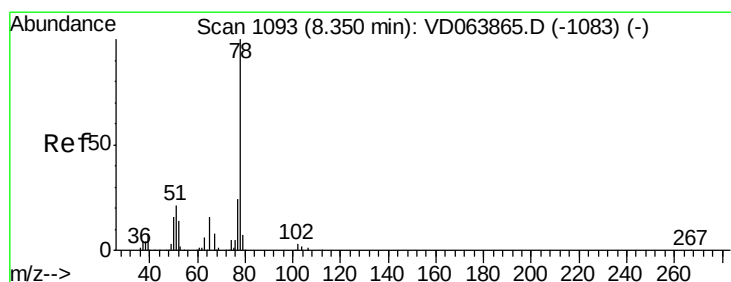
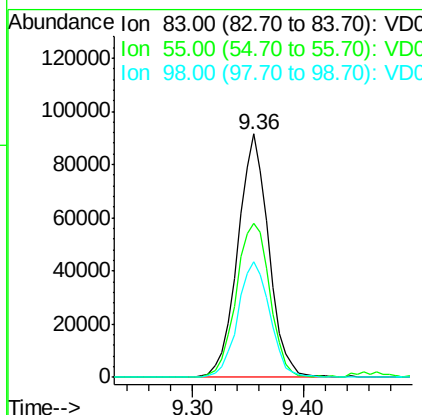
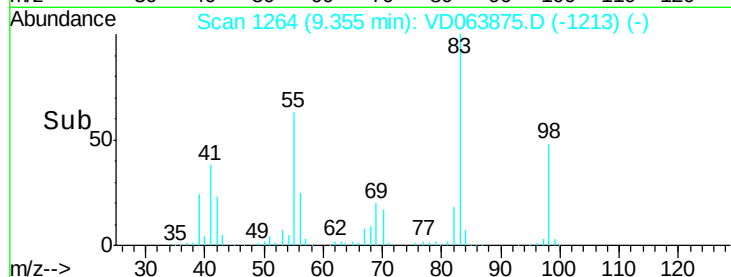
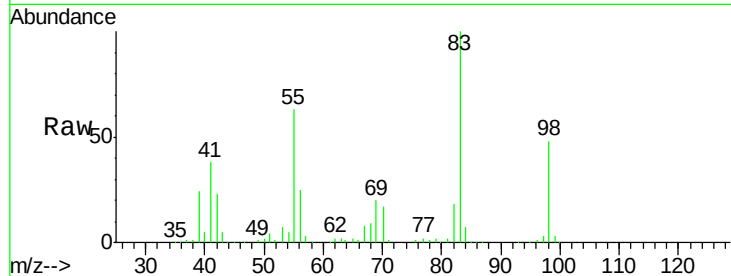
#39
Methylvlcyclohexane
Concen: 49.156 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	180080
Ion Ratio	Lower	Upper	
83	100		
55	63.4	61.3	91.9
98	47.5	39.3	58.9

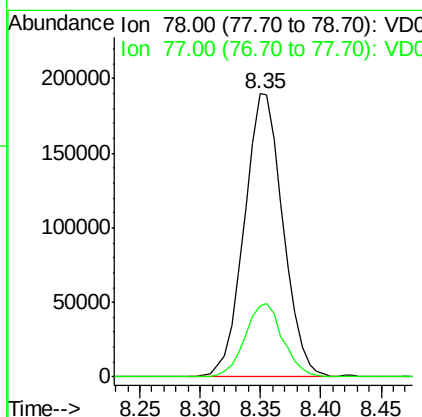
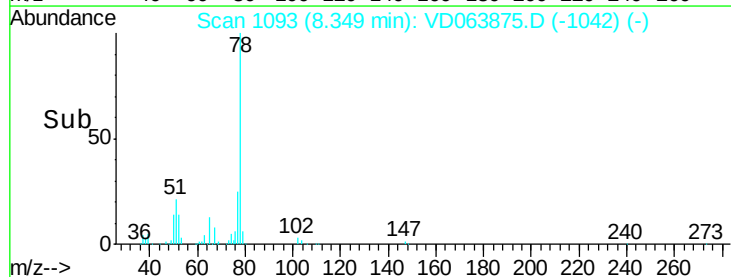
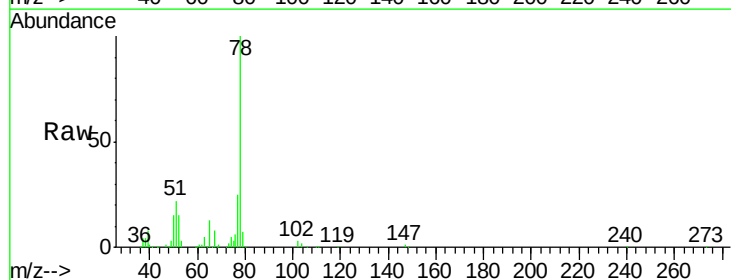
Manual Integrations
APPROVED

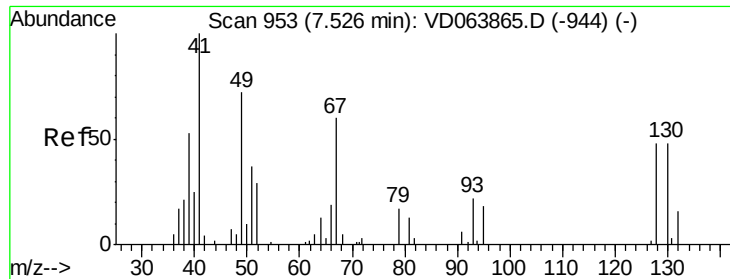
MMDadoda
10/4/2019 4:31:25 PM



#40
Benzene
Concen: 49.792 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	78	Resp	425145
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.0	28.6





#41

Methacrylonitrile

Concen: 50.830 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 35113

Ion Ratio Lower Upper

41 100

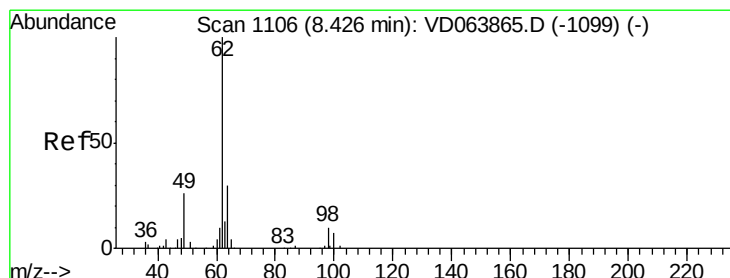
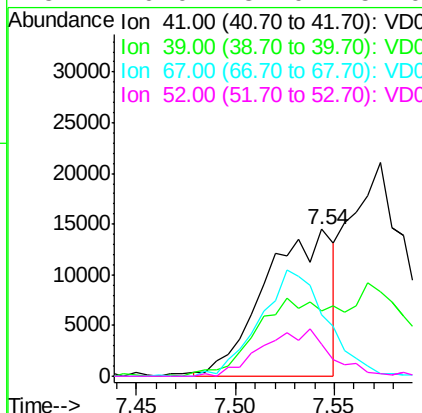
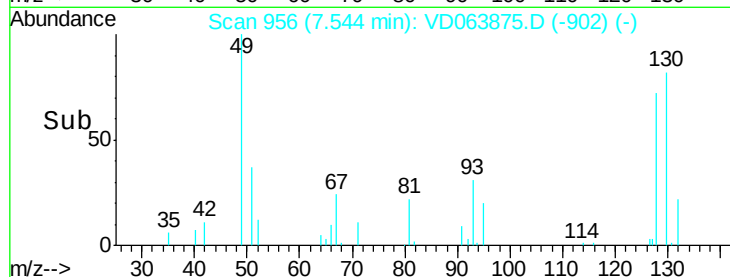
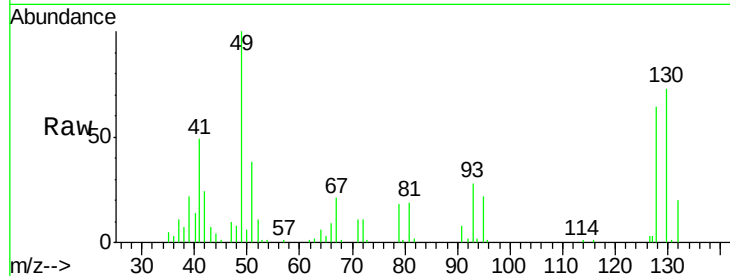
39 48.5 52.6 78.8#

67 0.0 74.2 111.2#

52 0.0 34.0 51.0#

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#42

1,2-Dichloroethane

Concen: 48.997 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063875.D

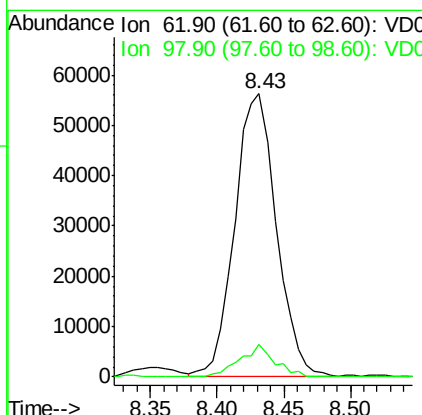
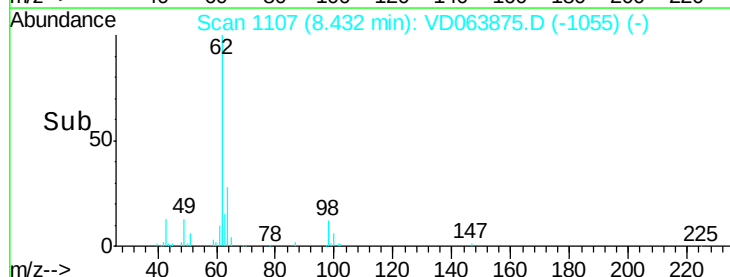
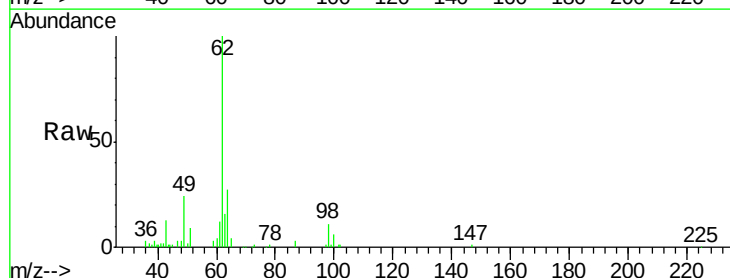
Acq: 03 Oct 2019 14:53

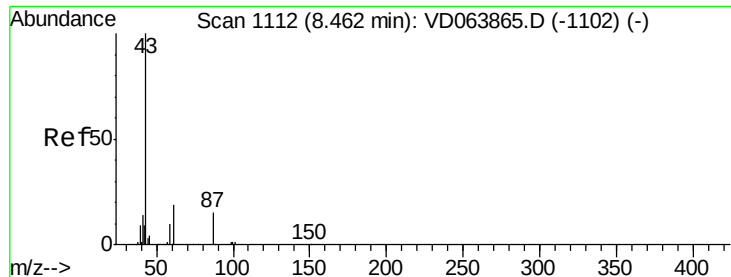
Tgt Ion: 62 Resp: 121016

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 45.000 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

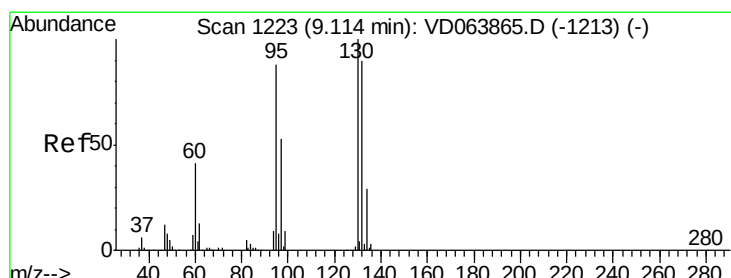
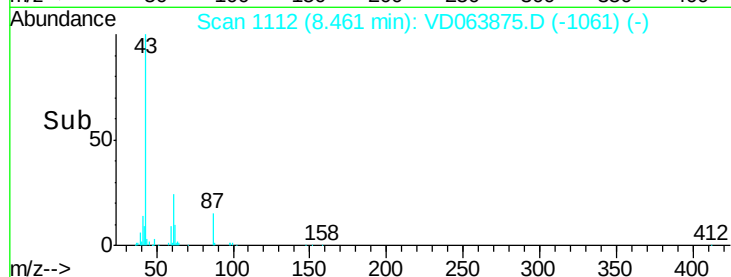
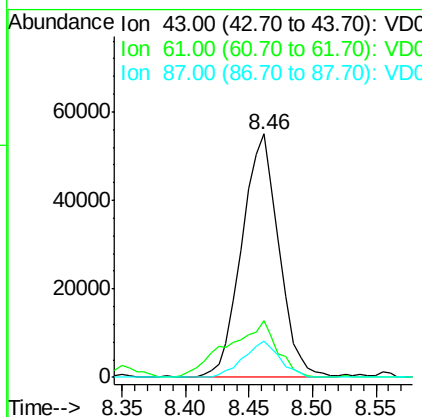
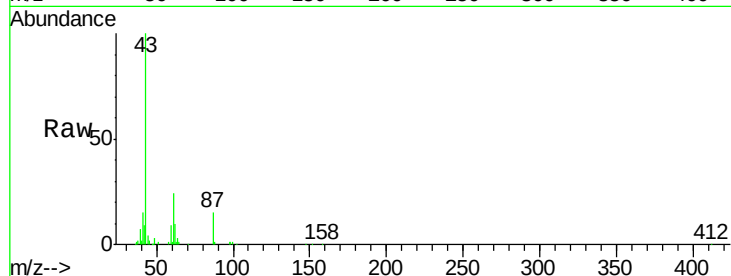
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	112442
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.7	38.5
87	14.6	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#44

Trichloroethene

Concen: 49.408 ug/l

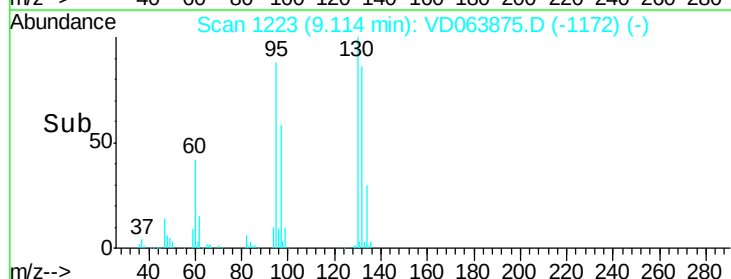
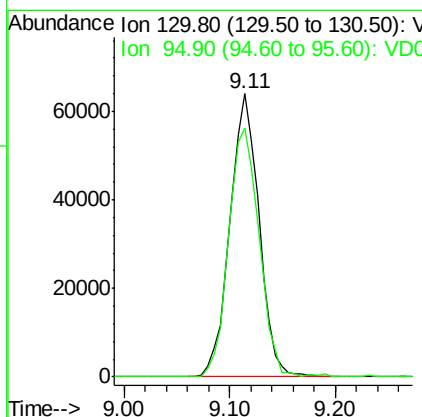
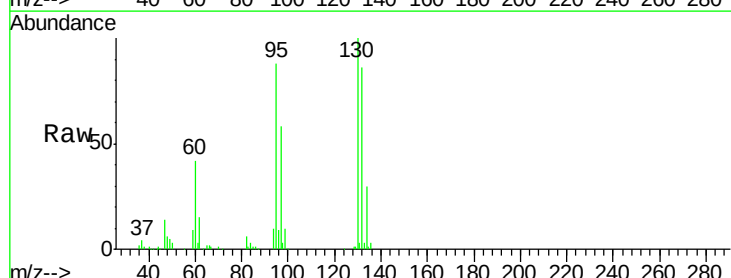
RT: 9.11 min Scan# 1223

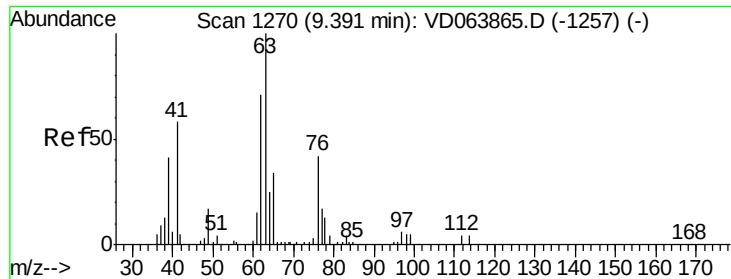
Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion:	130	Resp:	121648
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	175.6





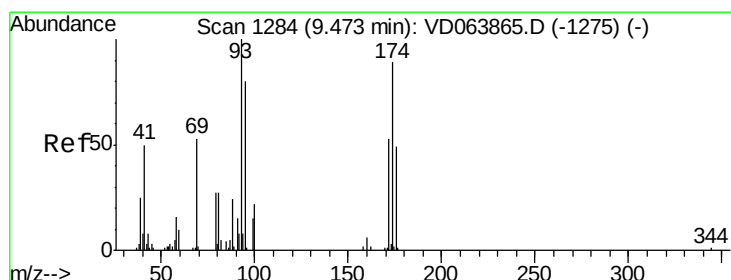
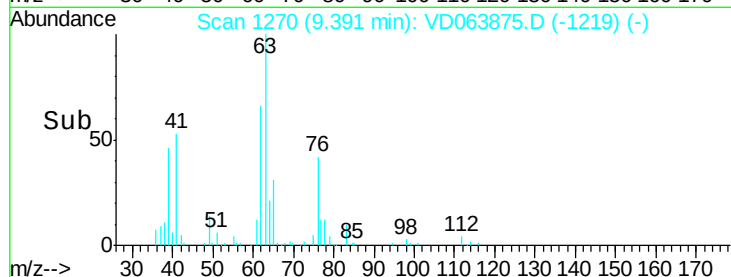
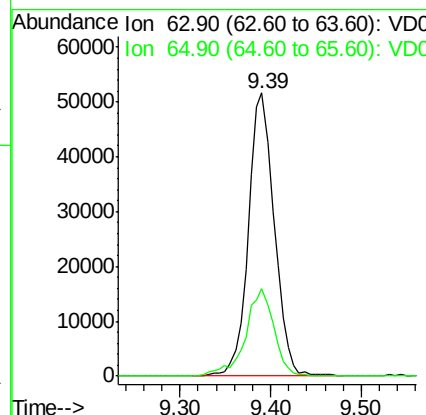
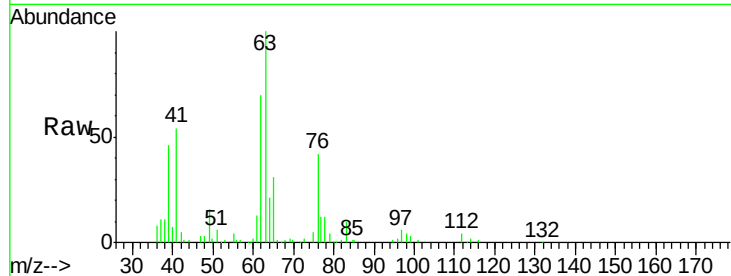
#45
 1,2-Dichloropropane
 Concen: 48.733 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	27.3	40.9

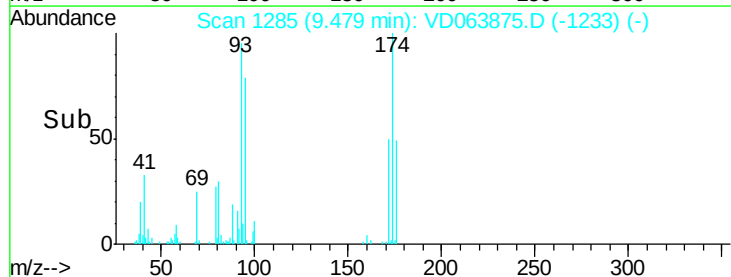
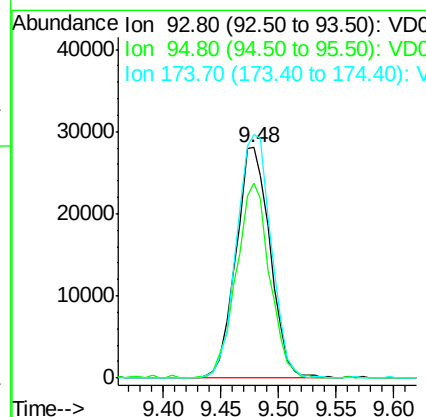
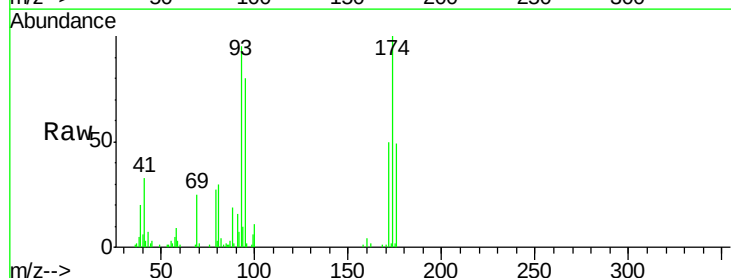
Manual Integrations
 APPROVED

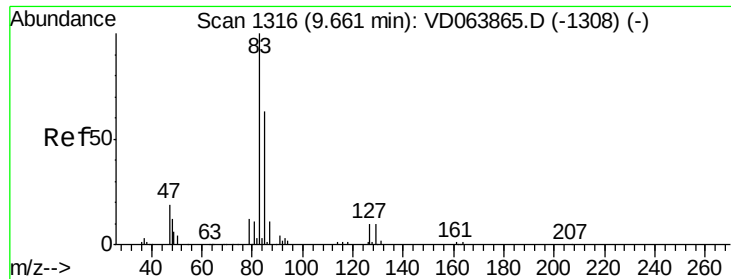
MMDadoda
 10/4/2019 4:31:25 PM



#46
 Dibromomethane
 Concen: 48.222 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.0	99.0
174	106.7	83.4	125.0





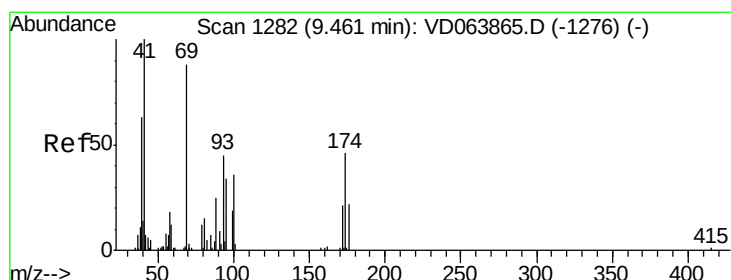
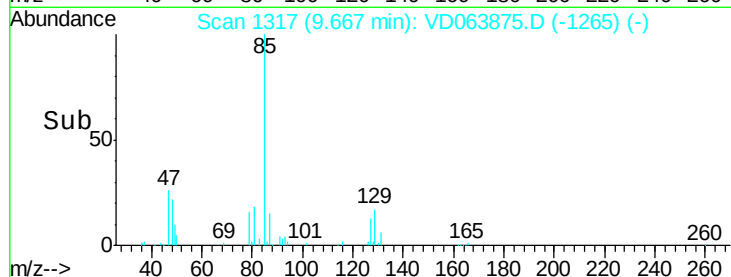
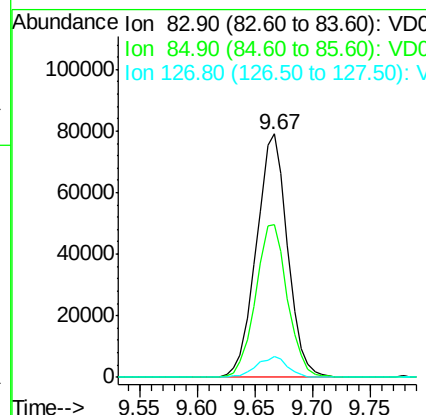
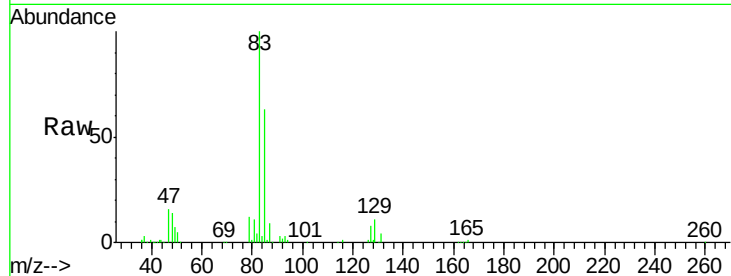
#47
Bromodichloromethane
Concen: 48.794 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	149522
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	50.2	75.2
127	8.3	7.6	11.4

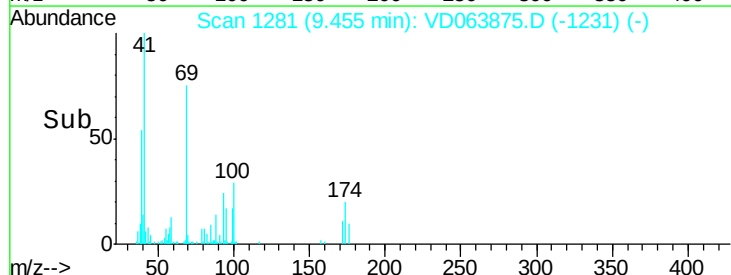
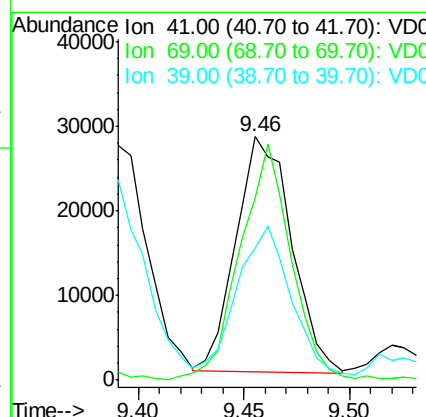
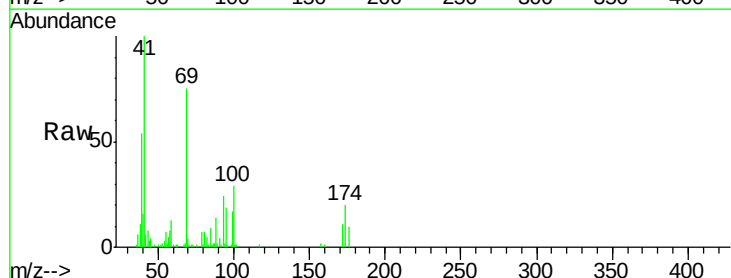
Manual Integrations
APPROVED

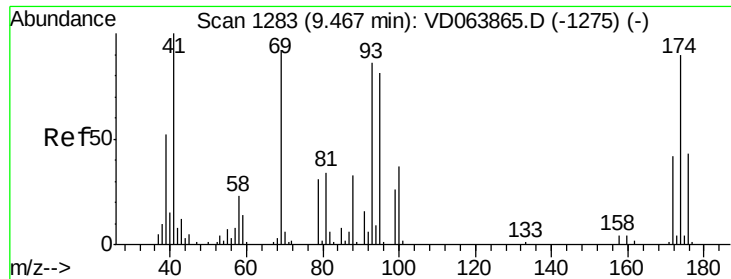
MMDadoda
10/4/2019 4:31:25 PM



#48
Methyl methacrylate
Concen: 42.221 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	41	Resp	50548
Ion Ratio	100	Lower	Upper
41	100		
69	92.8	75.1	112.7
39	65.4	50.2	75.2





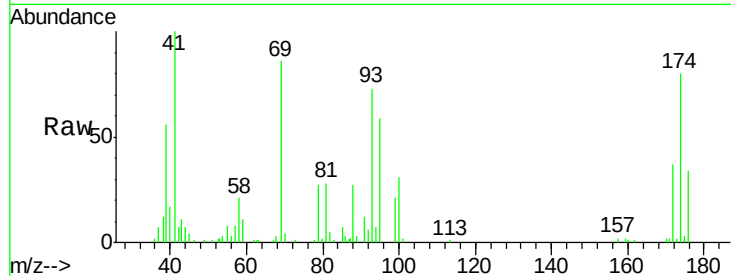
#49
1,4-Dioxane
Concen: 959.654 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15591
Ion	Ratio	Lower	Upper
88	100		
43	39.7	27.6	41.4
58	62.0	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM

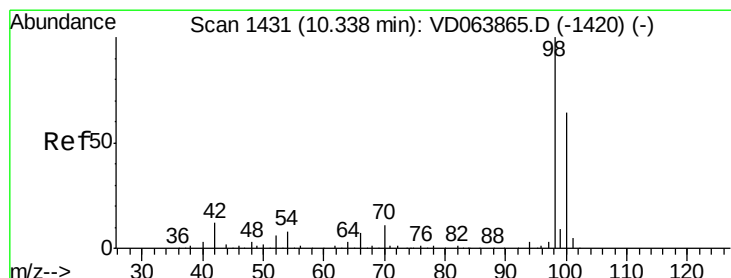
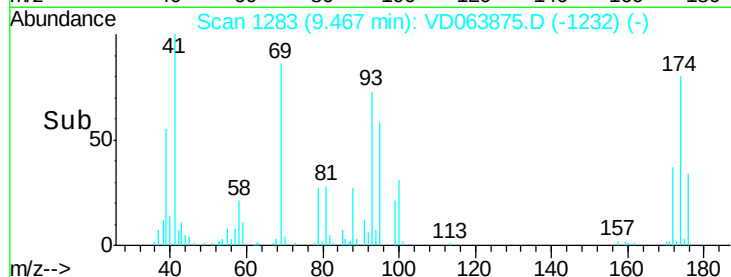
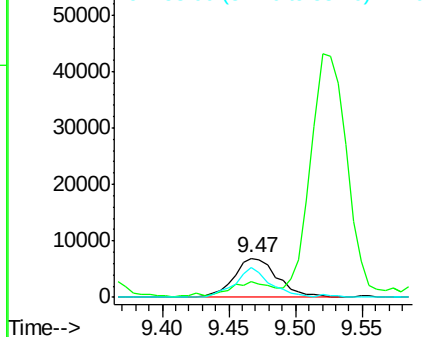


Abundance

Ion 88.00 (87.70 to 88.70): VDC

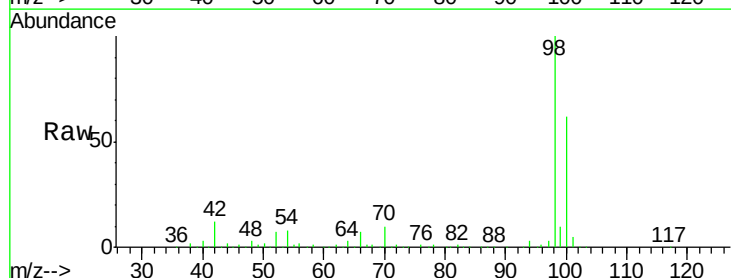
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

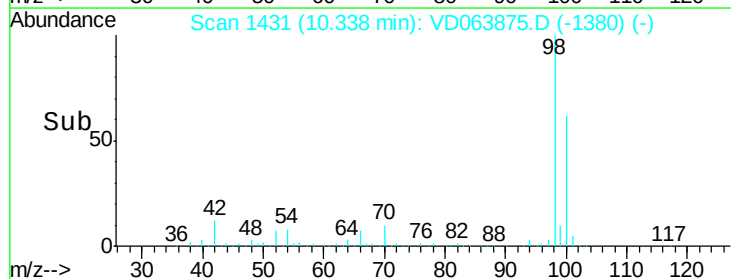
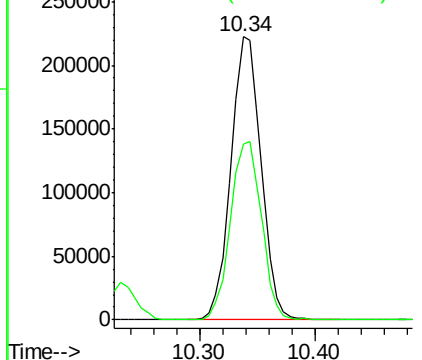
Tgt Ion	98	Resp	403498
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

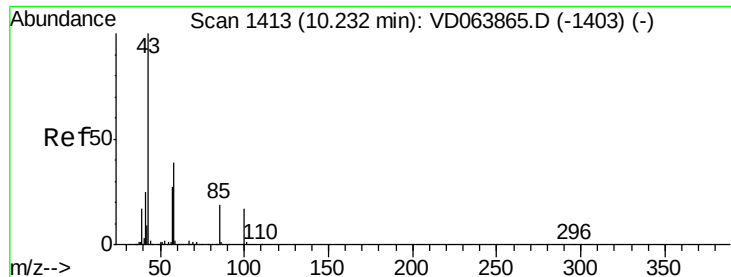


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 226.529 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 293558

Ion Ratio Lower Upper

43 100

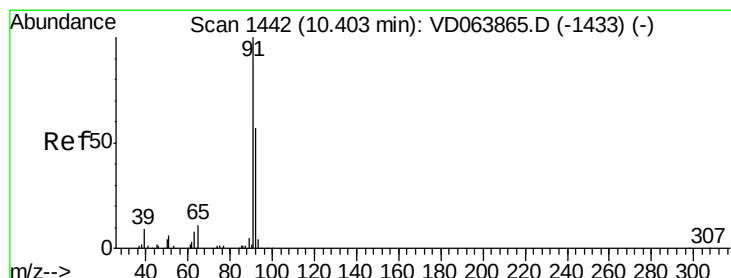
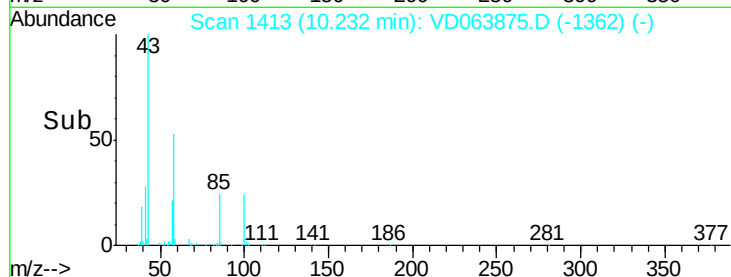
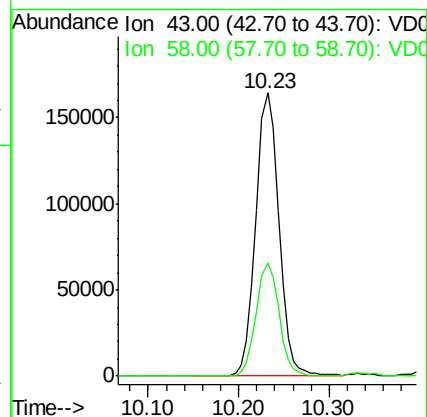
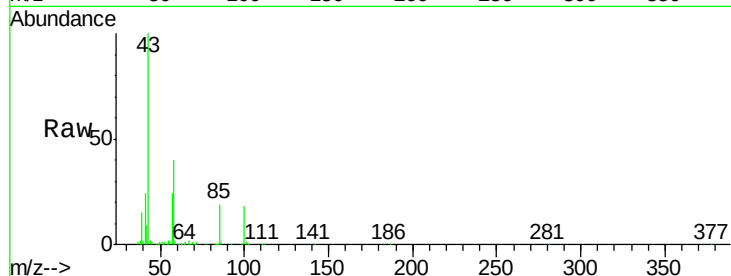
58 39.7 33.0 49.4

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:25 PM



#52

Toluene

Concen: 48.704 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063875.D

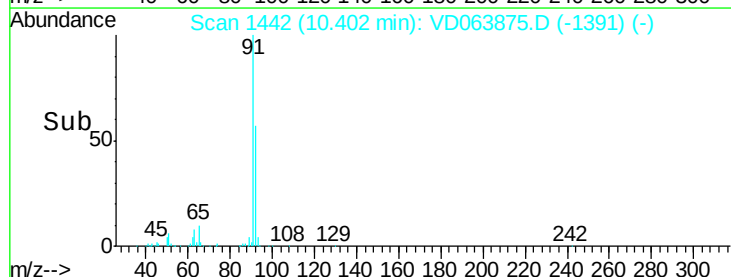
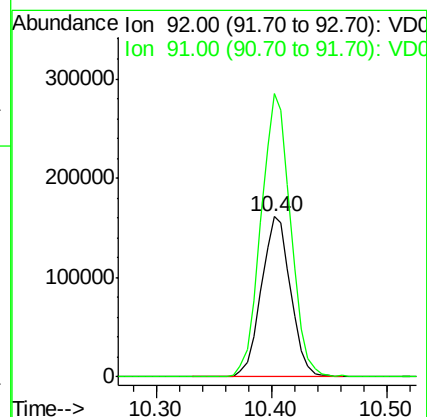
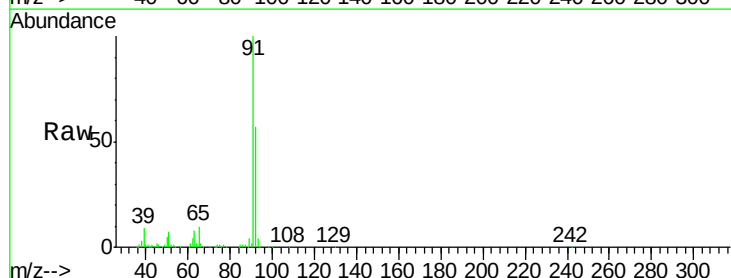
Acq: 03 Oct 2019 14:53

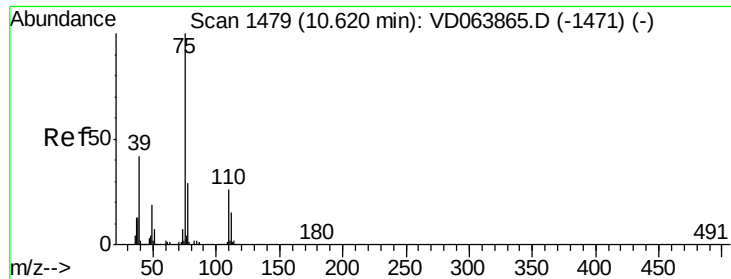
Tgt Ion: 92 Resp: 285474

Ion Ratio Lower Upper

92 100

91 178.1 139.5 209.3





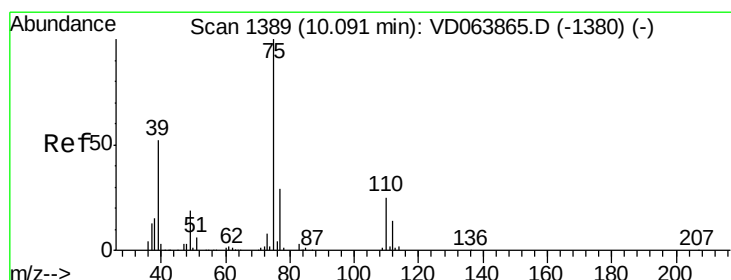
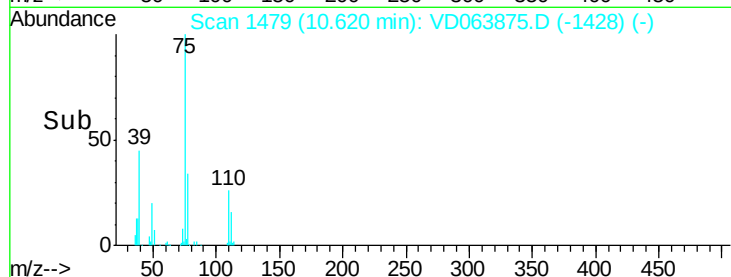
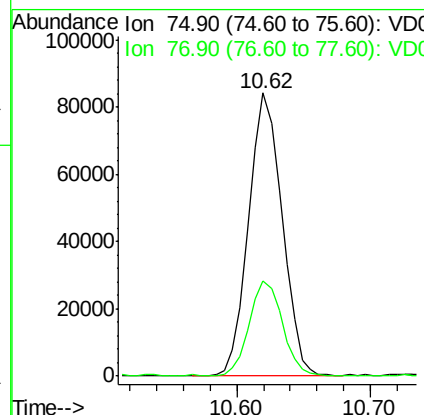
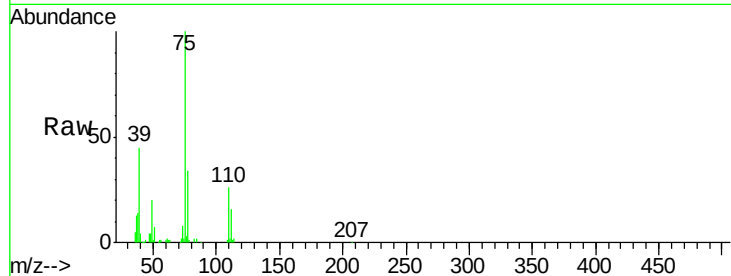
#53
 t-1,3-Dichloropropene
 Concen: 48.905 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 146240
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.8 34.2

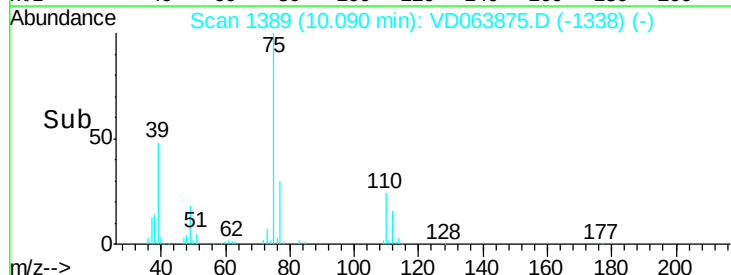
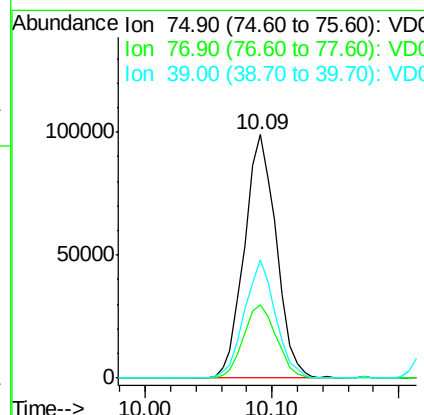
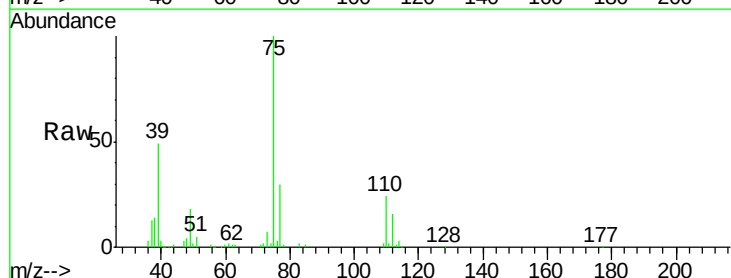
Manual Integrations
 APPROVED

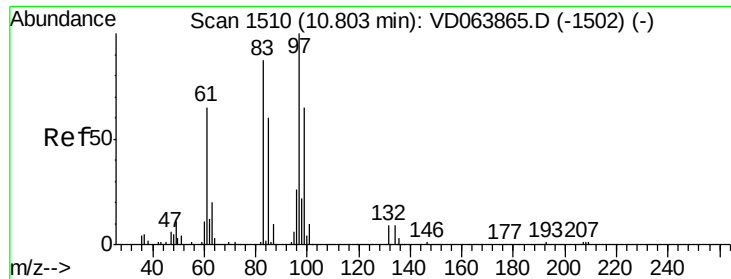
MMDadoda
 10/4/2019 4:31:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.379 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion: 75 Resp: 173411
 Ion Ratio Lower Upper
 75 100
 77 30.0 23.2 34.8
 39 48.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 47.716 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 80189

Ion Ratio Lower Upper

97 100

83 79.6 69.7 104.5

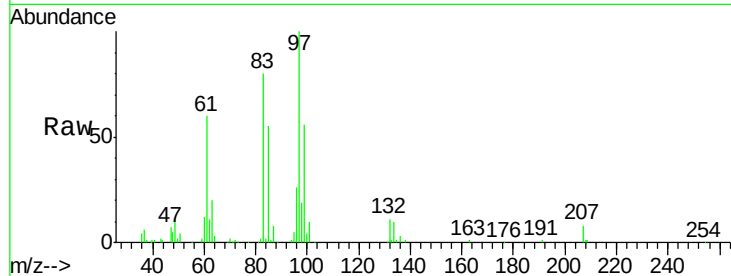
85 55.2 48.1 72.1

99 56.2 51.9 77.9

Manual Integrations
APPROVED

MMDadoda

10/4/2019 4:31:25 PM

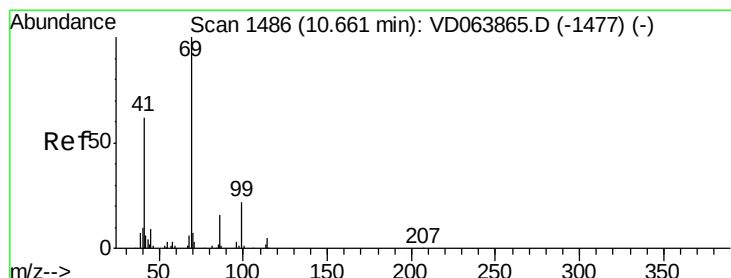
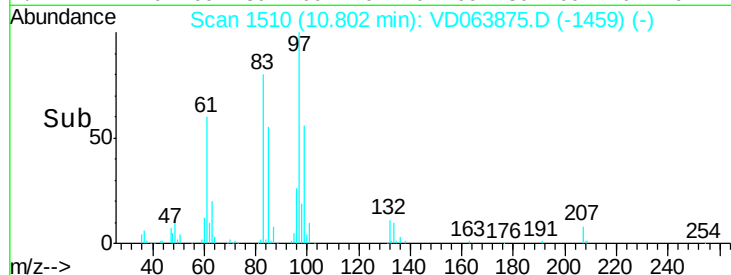
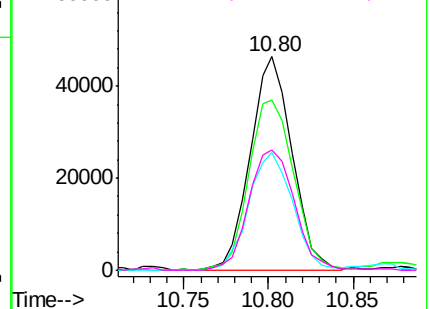


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.393 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

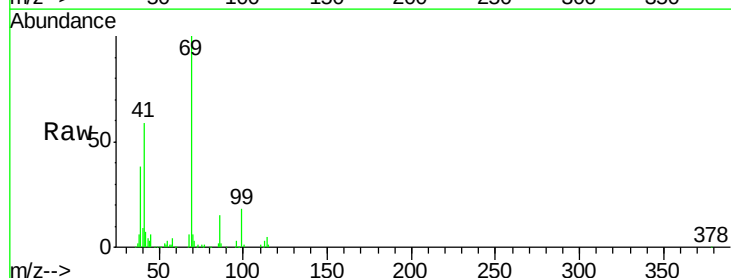
Tgt Ion: 69 Resp: 100861

Ion Ratio Lower Upper

69 100

41 63.9 51.3 76.9

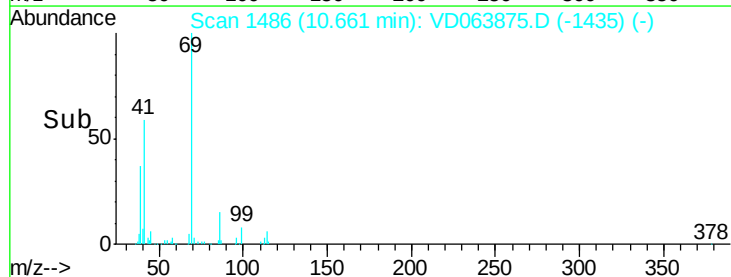
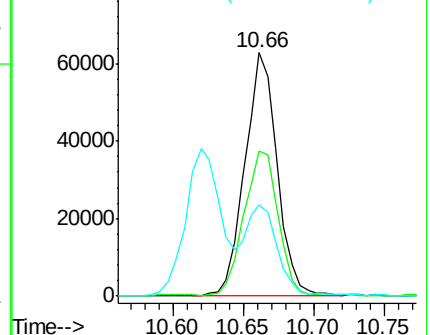
39 37.4 28.0 42.0

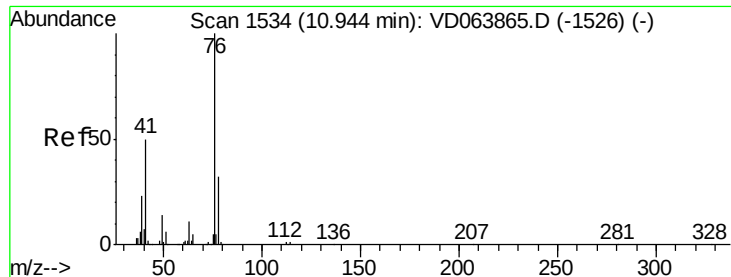


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





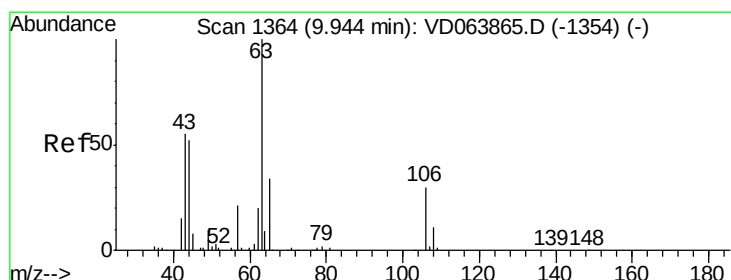
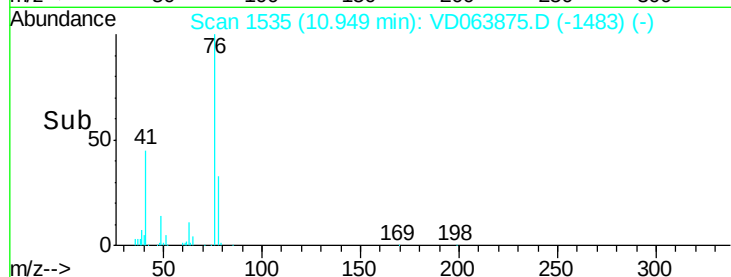
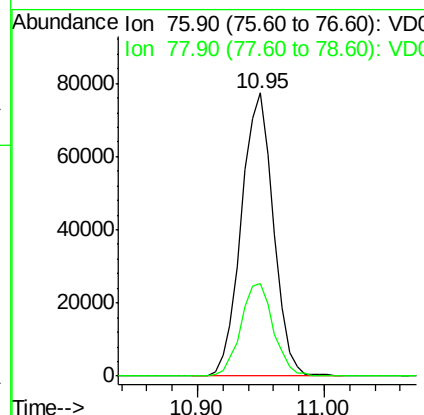
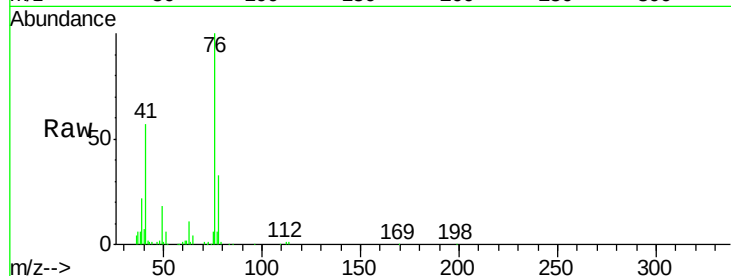
#57
 1,3-Dichloropropane
 Concen: 47.161 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.6	40.0

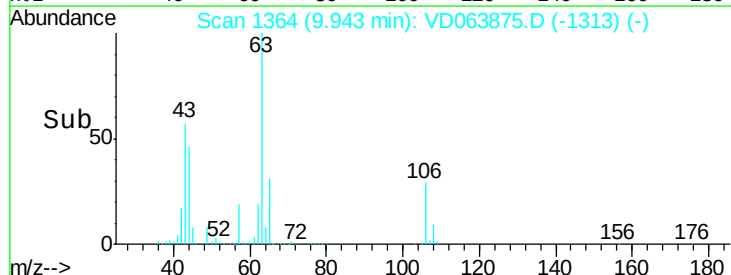
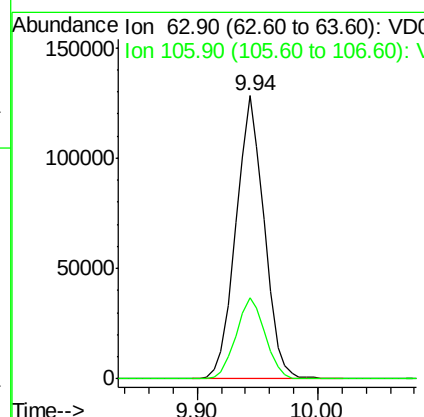
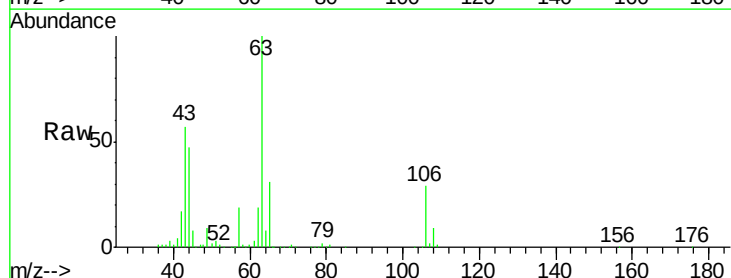
Manual Integrations
 APPROVED

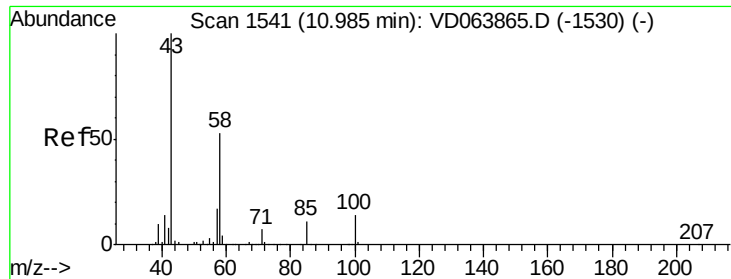
MMDadoda
 10/4/2019 4:31:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.592 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.3	36.5





#59

2-Hexanone

Concen: 226.915 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 212713

Ion Ratio Lower Upper

43 100

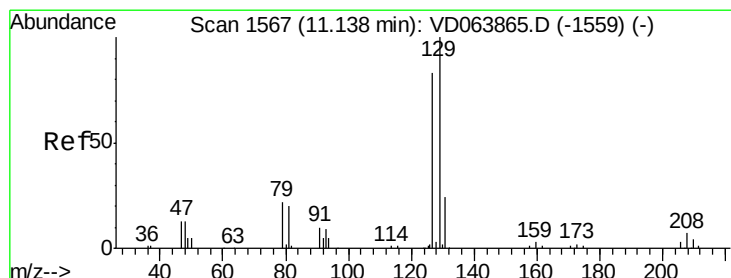
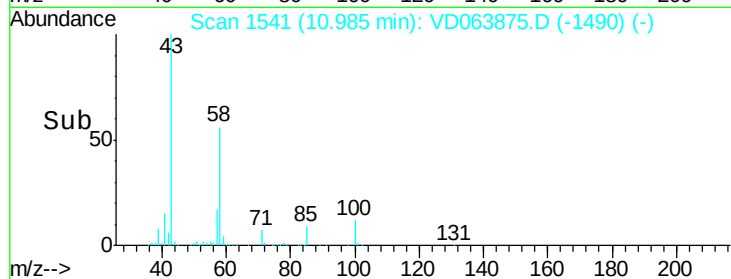
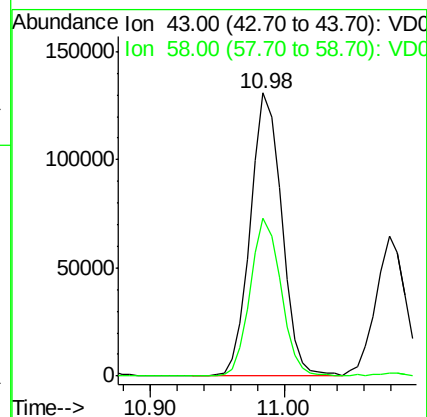
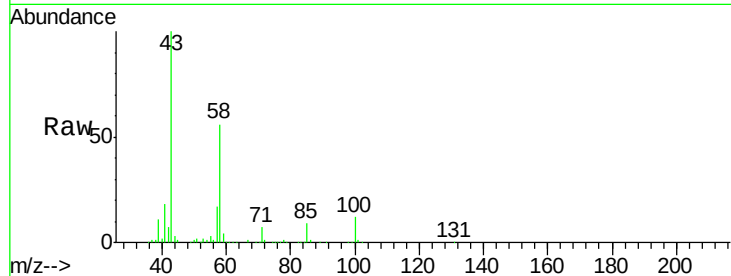
58 54.7 27.7 83.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:25 PM



#60

Dibromochloromethane

Concen: 49.282 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD063875.D

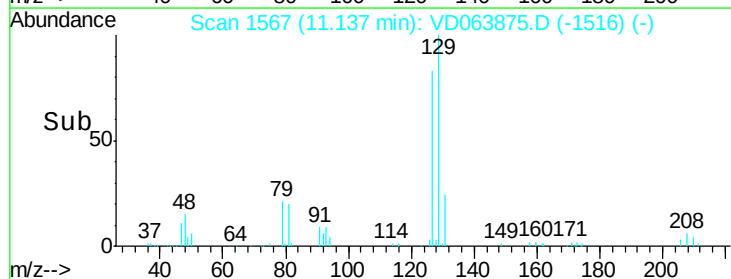
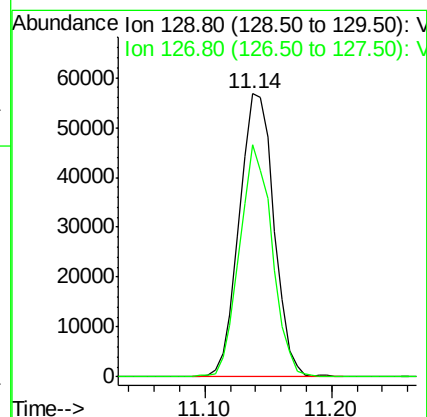
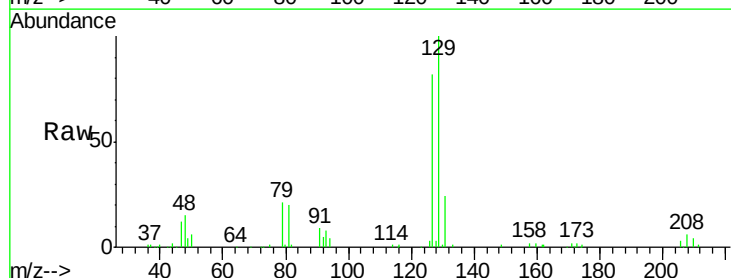
Acq: 03 Oct 2019 14:53

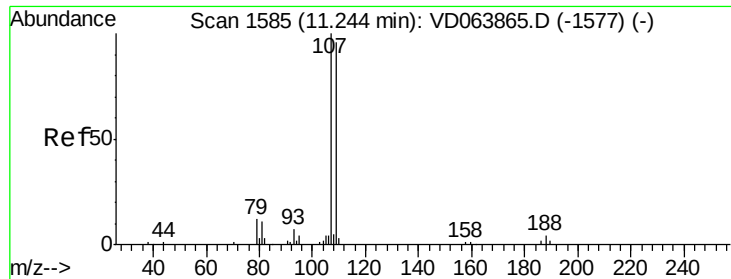
Tgt Ion: 129 Resp: 107825

Ion Ratio Lower Upper

129 100

127 77.0 39.9 119.6





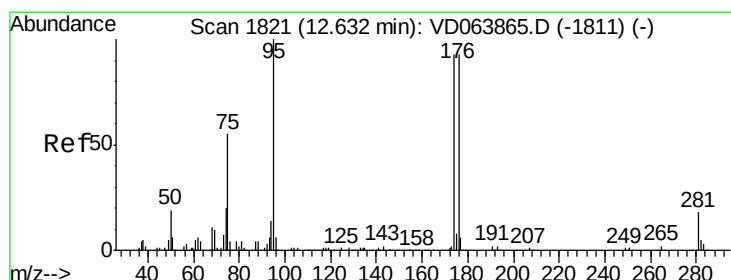
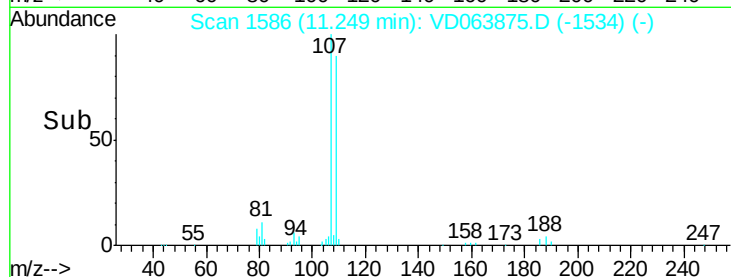
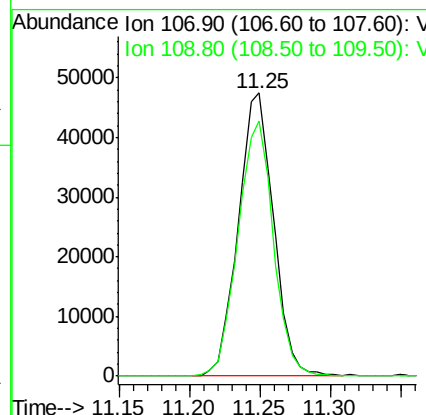
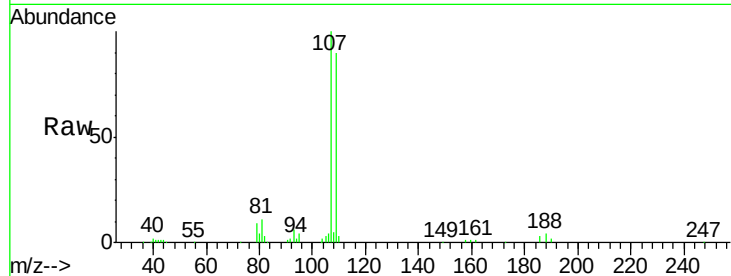
#61
 1,2-Dibromoethane
 Concen: 50.884 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 82902
 Ion Ratio Lower Upper
 107 100
 109 90.4 75.2 112.8

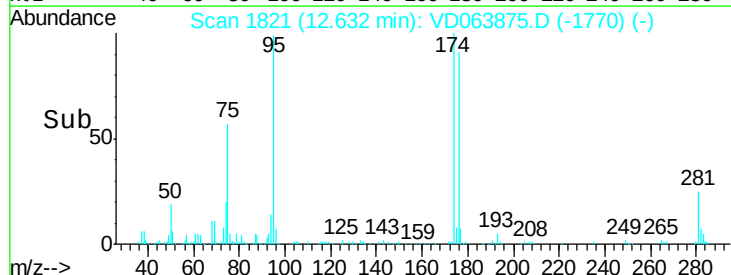
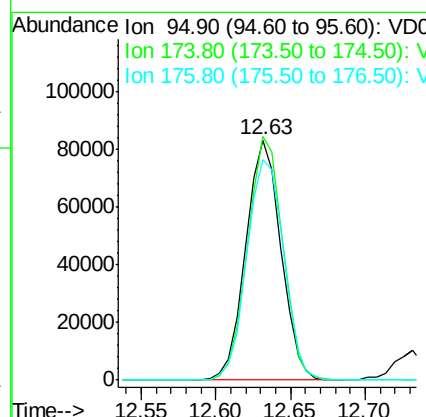
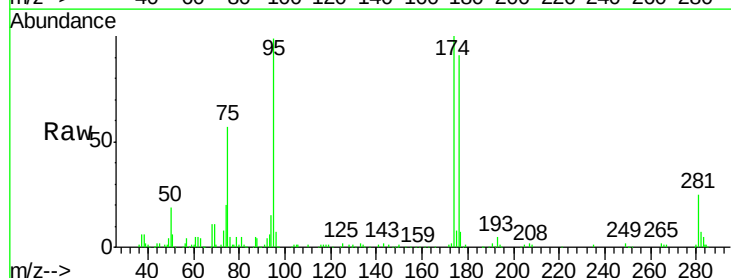
Manual Integrations
 APPROVED

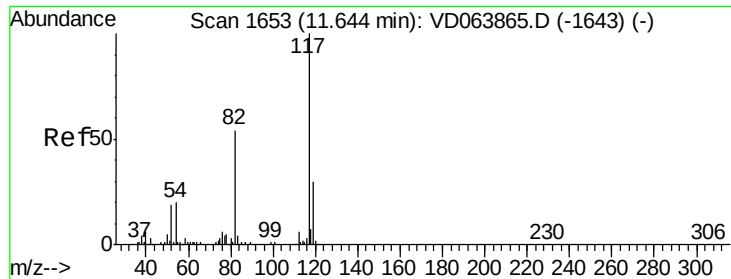
MMDadoda
 10/4/2019 4:31:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.432 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion: 95 Resp: 136039
 Ion Ratio Lower Upper
 95 100
 174 101.2 0.0 186.4
 176 96.3 0.0 184.2





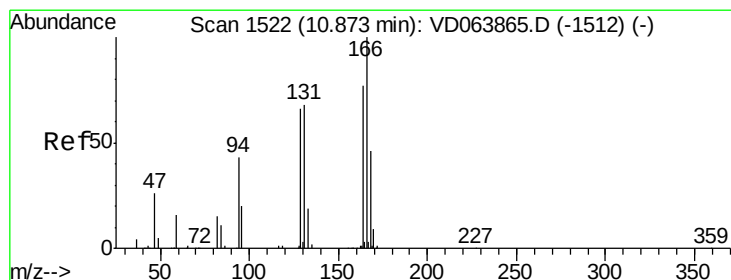
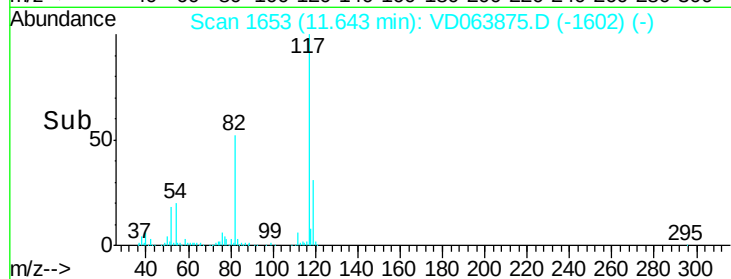
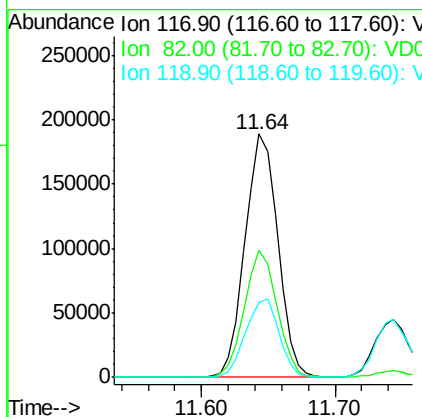
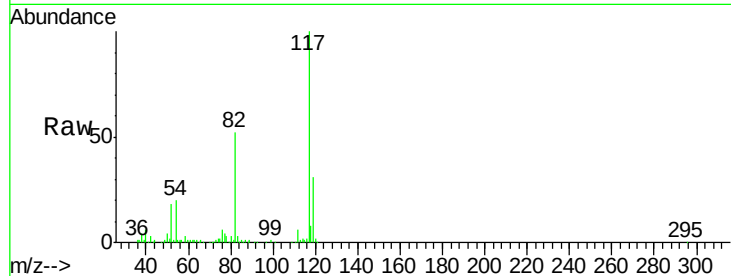
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	321311		
82	52.4		42.8	64.2
119	30.8		24.4	36.6

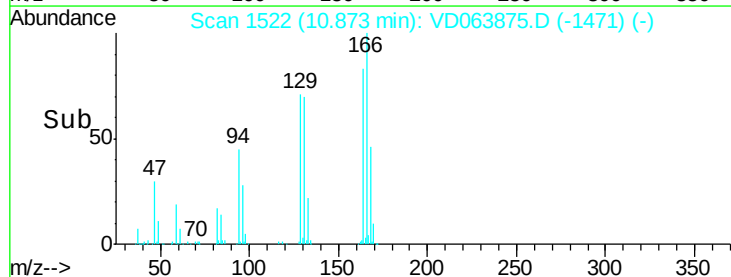
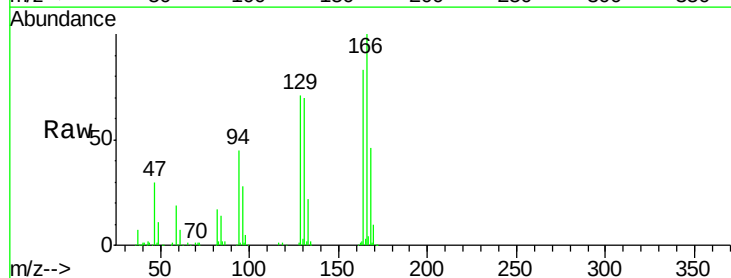
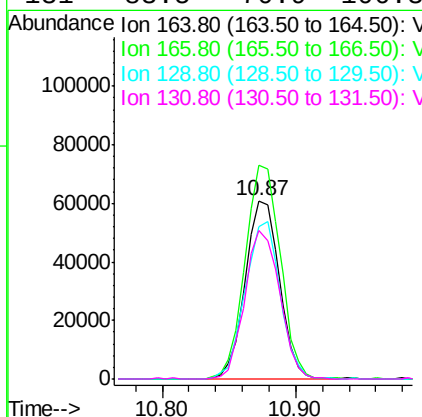
Manual Integrations
APPROVED

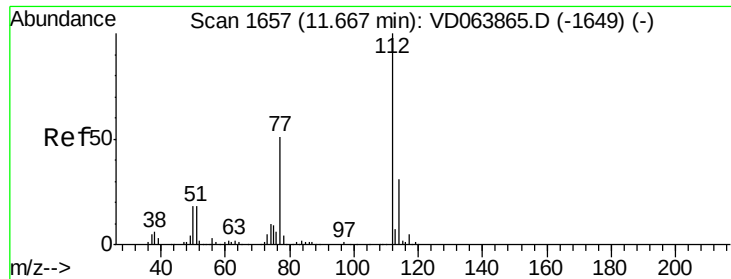
MMDadoda
10/4/2019 4:31:25 PM



#64
Tetrachloroethene
Concen: 49.136 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107780		
166	120.0		103.8	155.6
129	85.3		68.9	103.3
131	83.5		70.9	106.3





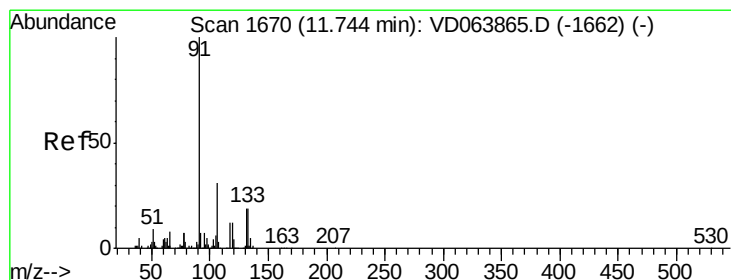
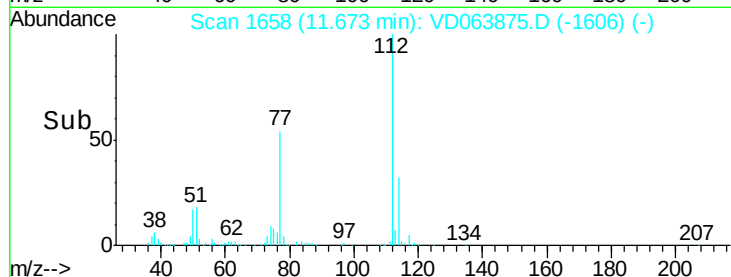
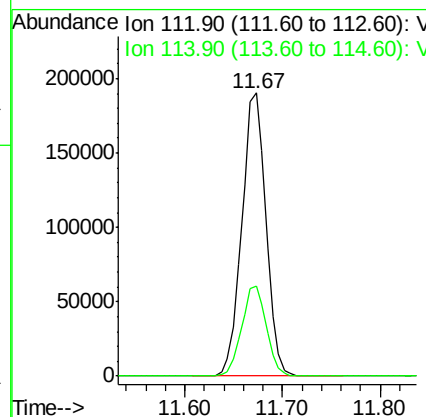
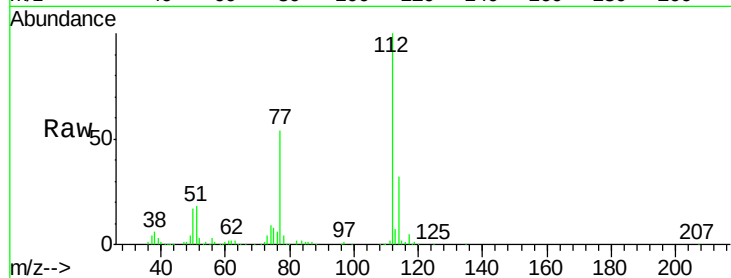
#65
Chlorobenzene
Concen: 50.813 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

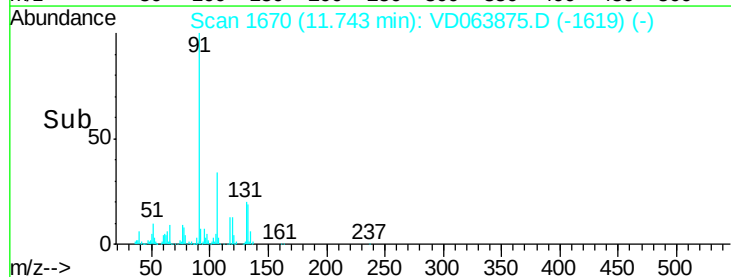
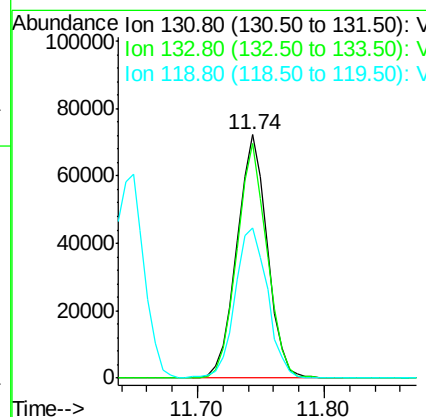
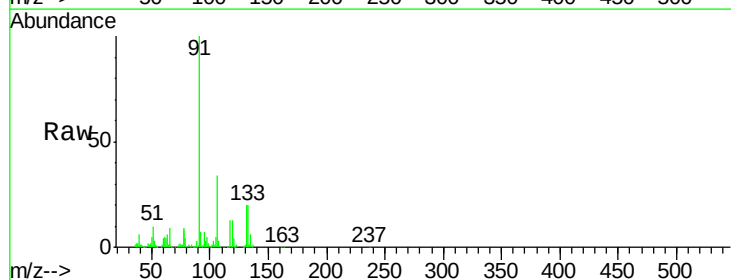
Manual Integrations
APPROVED

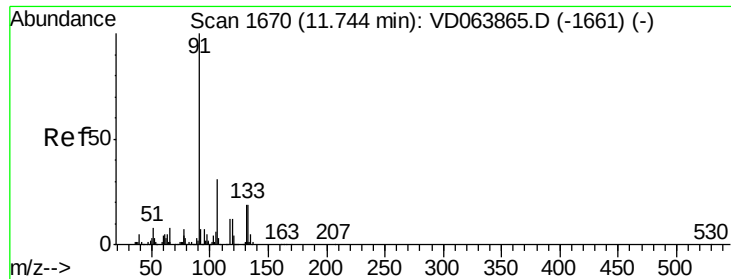
MMDadoda
10/4/2019 4:31:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.295 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.9	146.7
119	65.7	32.6	97.8





#67

Ethyl Benzene

Concen: 50.418 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 586644

Ion Ratio Lower Upper

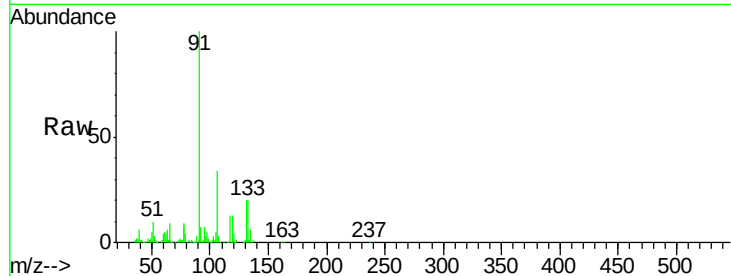
91 100

106 33.6 24.6 37.0

Manual Integrations
APPROVED

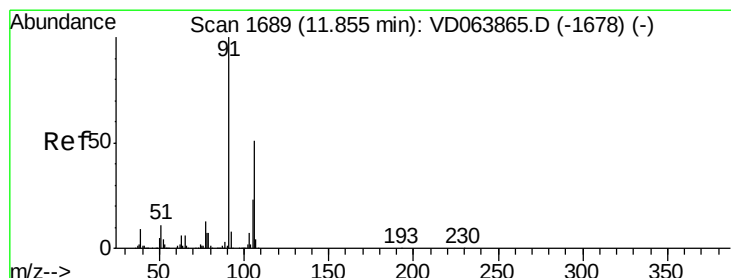
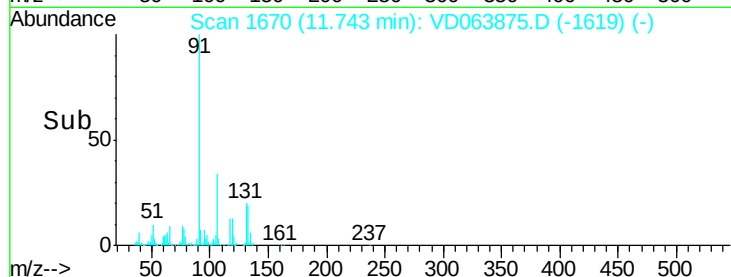
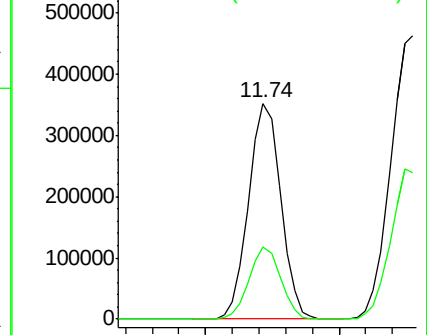
MMDadoda

10/4/2019 4:31:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.784 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063875.D

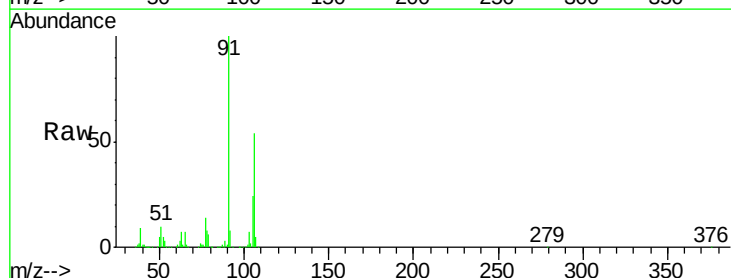
Acq: 03 Oct 2019 14:53

Tgt Ion: 106 Resp: 466107

Ion Ratio Lower Upper

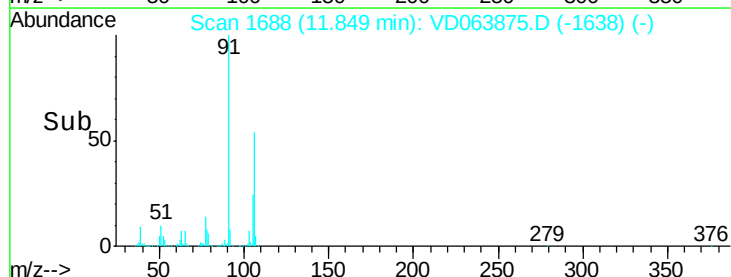
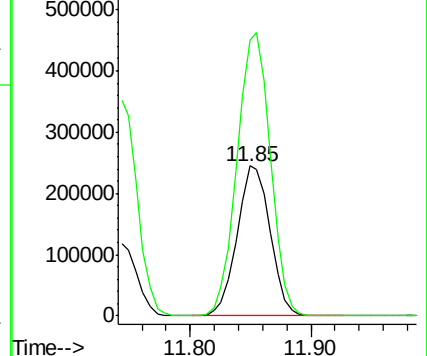
106 100

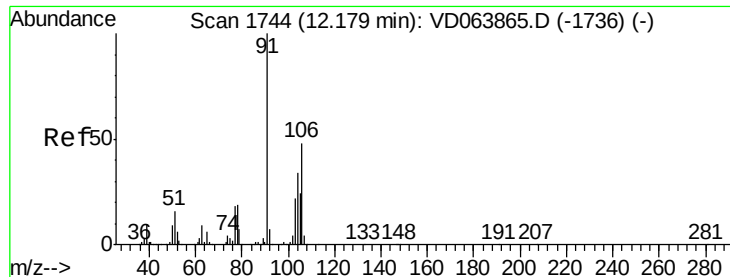
91 191.1 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





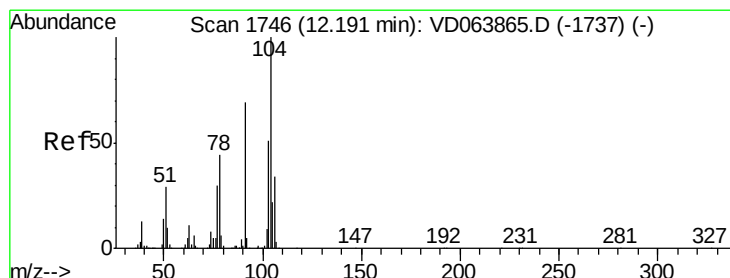
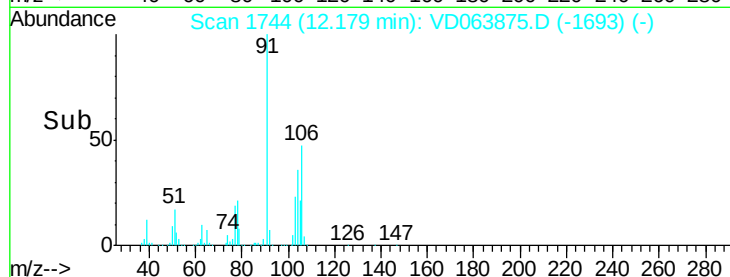
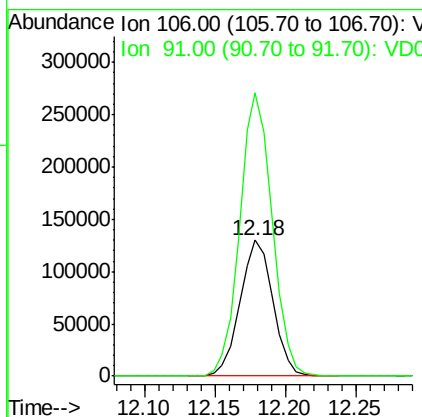
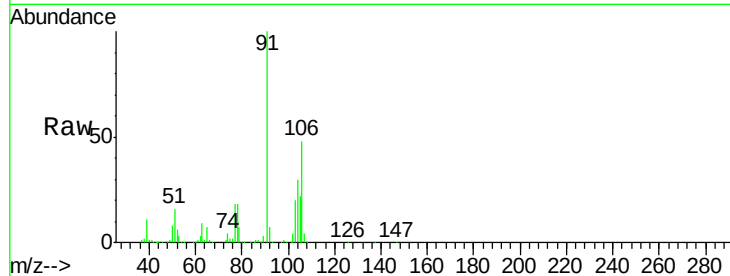
#69
o-Xylene
Concen: 49.273 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.3	103.9	311.7

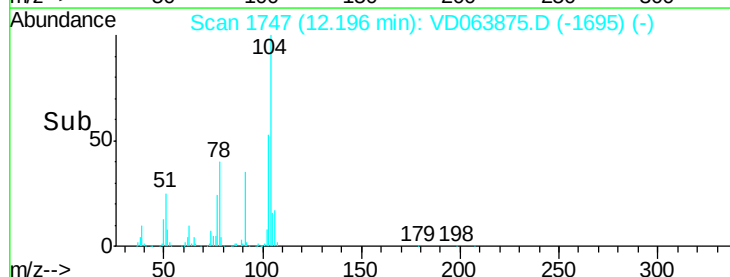
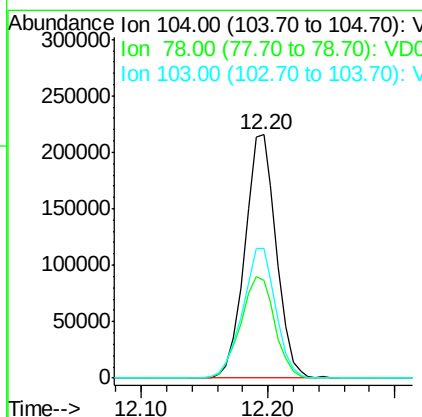
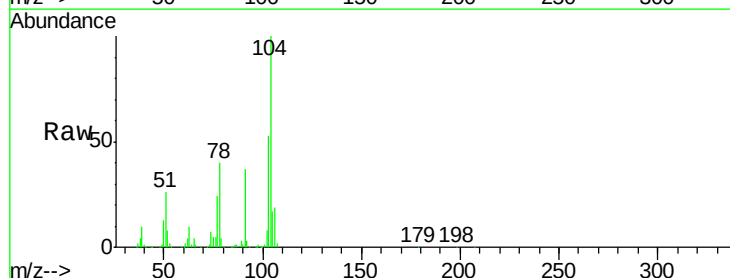
Manual Integrations
APPROVED

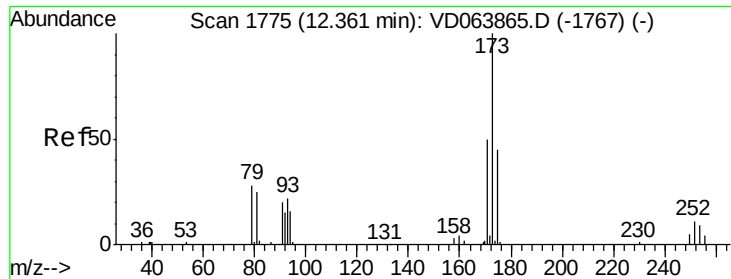
MMDadoda
10/4/2019 4:31:25 PM



#70
Styrene
Concen: 50.902 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.4	37.0	55.4
103	56.3	44.2	66.4





#71

Bromoform

Concen: 50.005 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

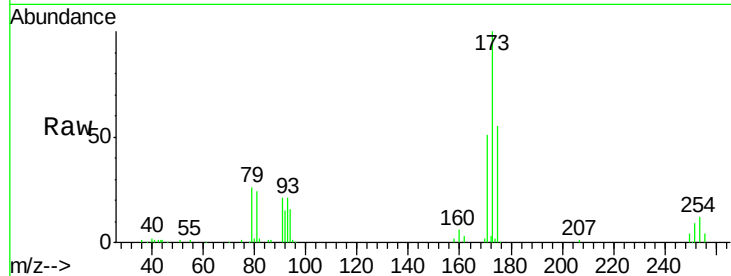
ClientSampleId :

VSTDCCC050

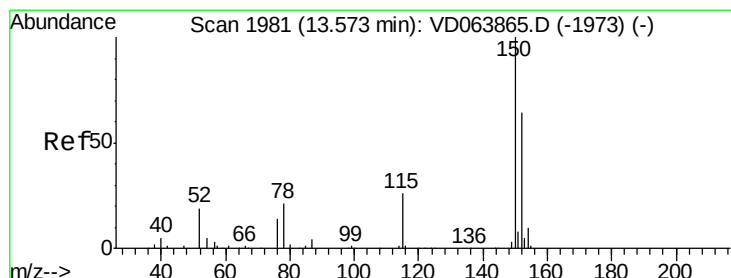
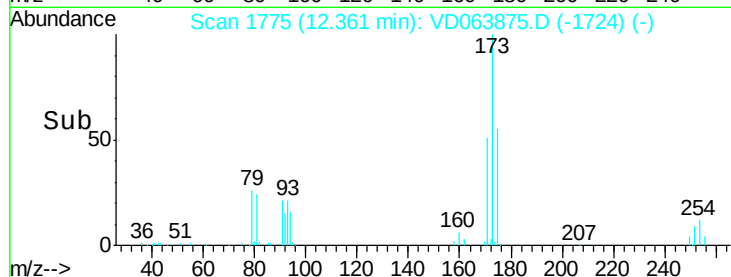
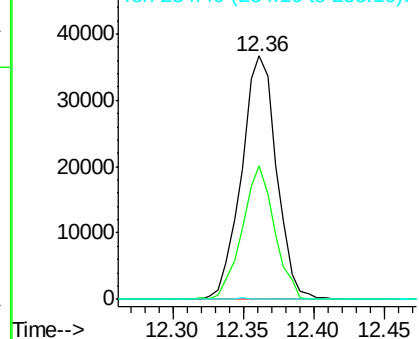
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.6	74.0
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 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

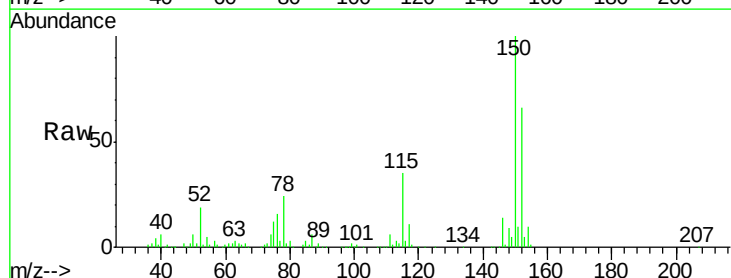
RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

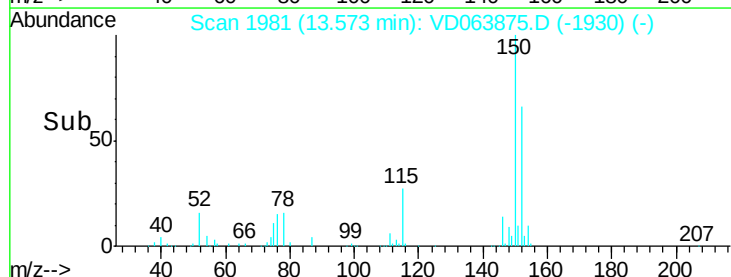
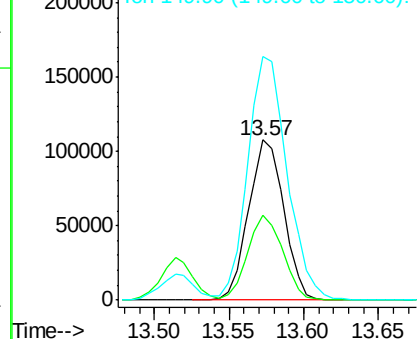
Lab File: VD063875.D

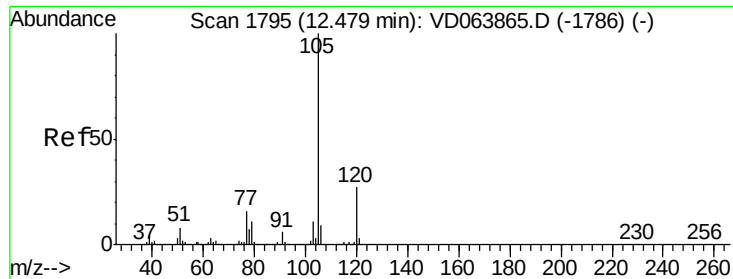
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	25.9	77.7
150	170.0	0.0	344.2



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





#73

Isopropylbenzene

Concen: 49.494 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 584630

Ion Ratio Lower Upper

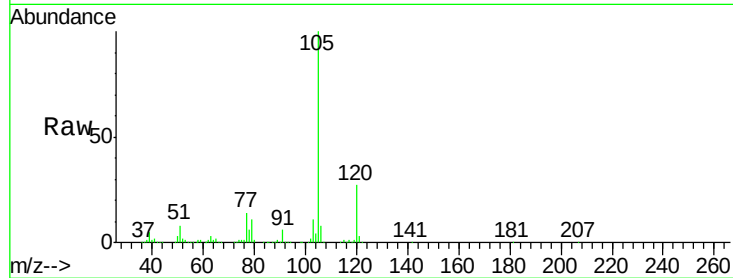
105 100

120 27.0 13.3 39.8

Manual Integrations
APPROVED

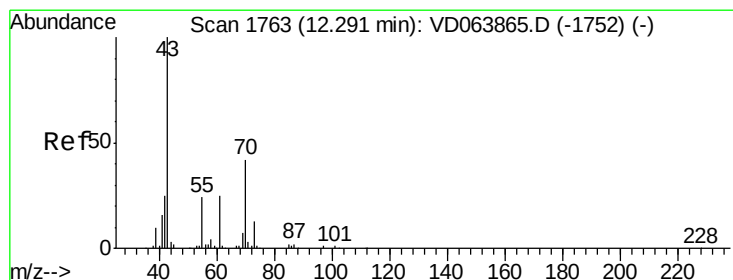
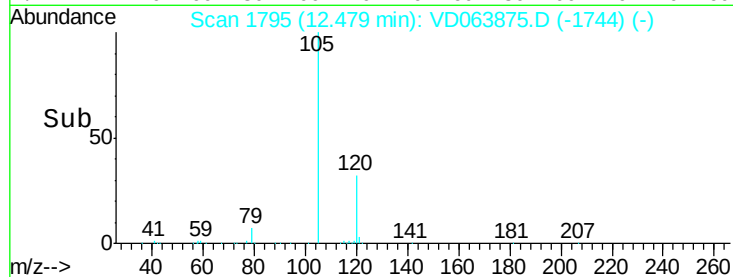
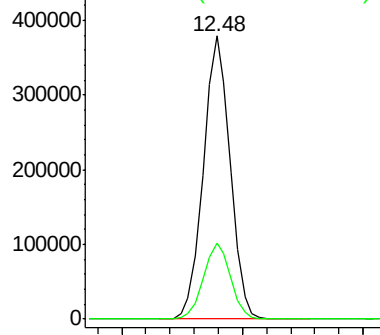
MMDadoda

10/4/2019 4:31:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.669 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion: 43 Resp: 113600

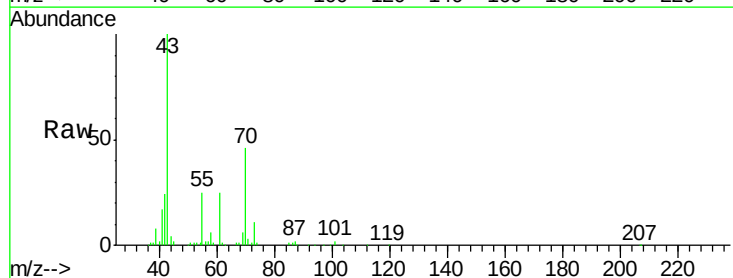
Ion Ratio Lower Upper

43 100

70 45.4 35.8 53.6

55 24.9 19.4 29.0

61 24.5 20.4 30.6

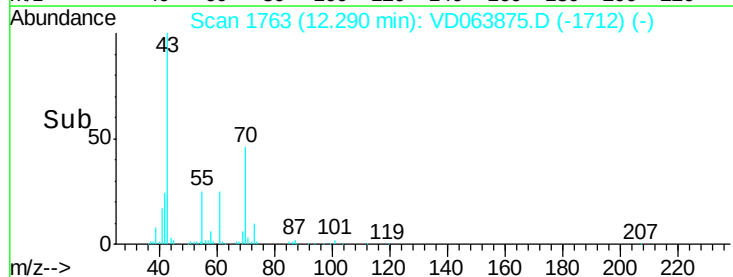
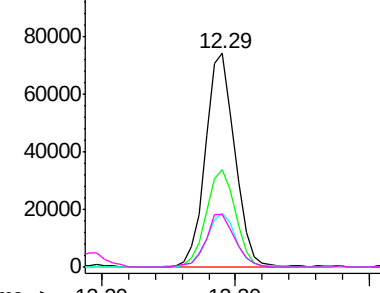


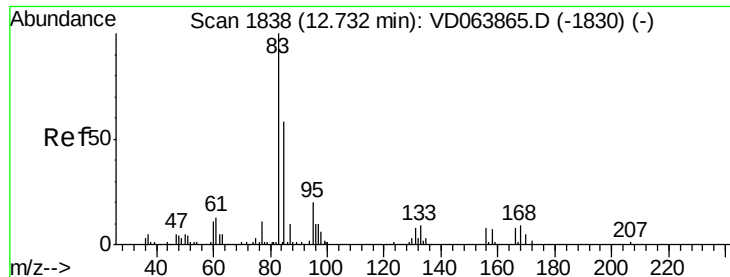
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 42.660 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

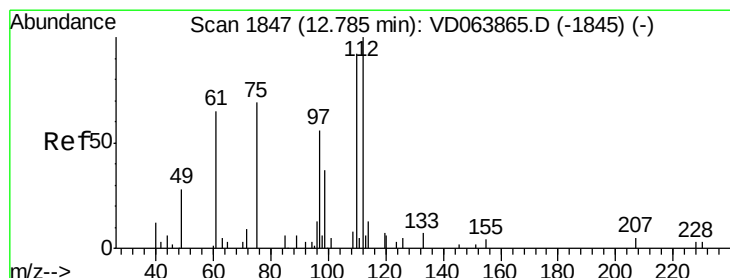
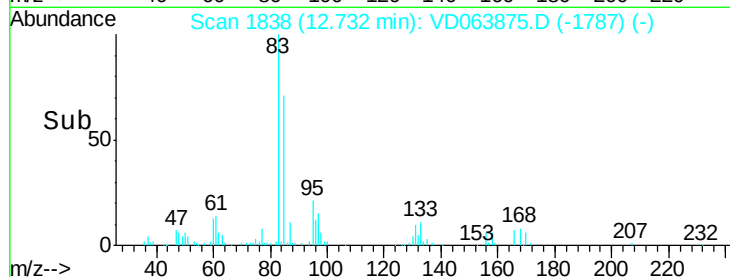
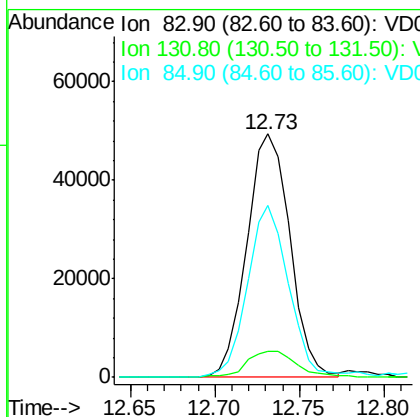
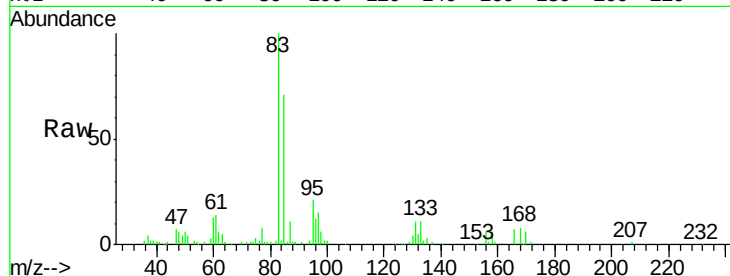
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	87685
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.6	16.8
85	68.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#76

1,2,3-Trichloropropane

Concen: 57.743 ug/l m

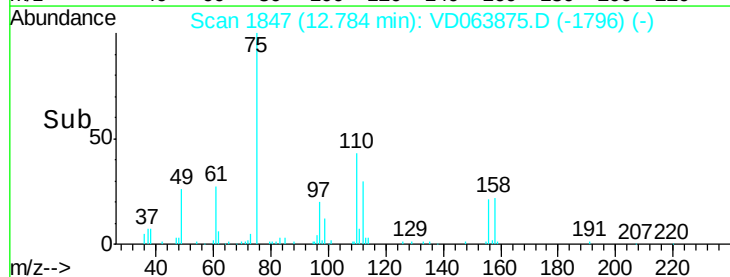
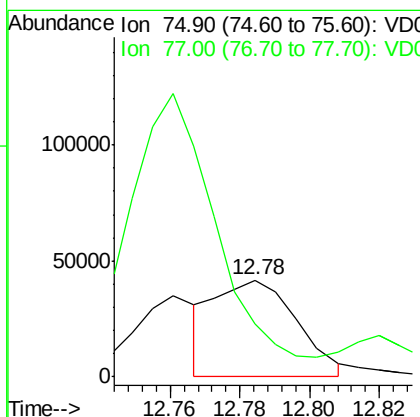
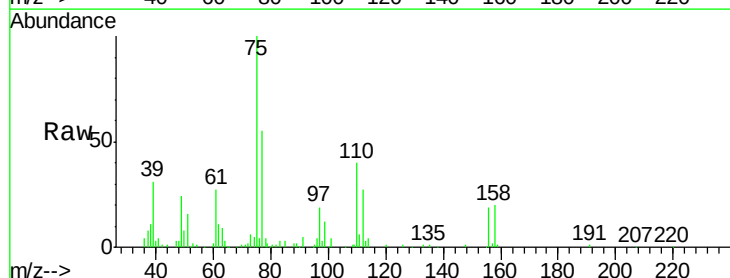
RT: 12.78 min Scan# 1847

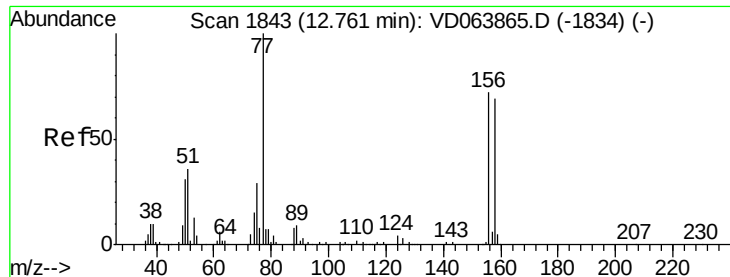
Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Tgt Ion:	75	Resp:	67955
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

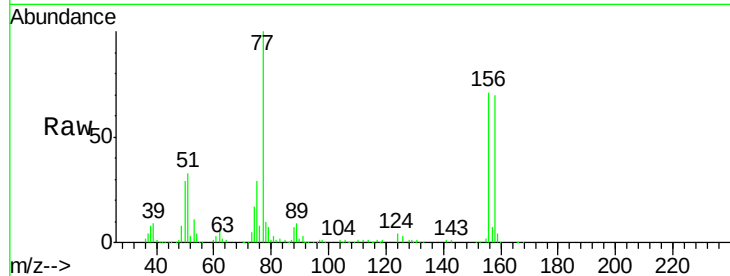
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.4	80.3	241.0	
158	97.6	47.4	142.2	

Manual Integrations
APPROVED

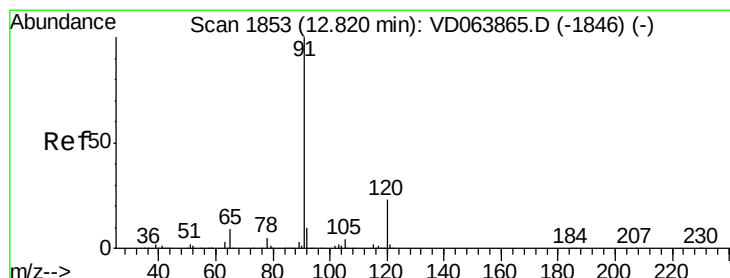
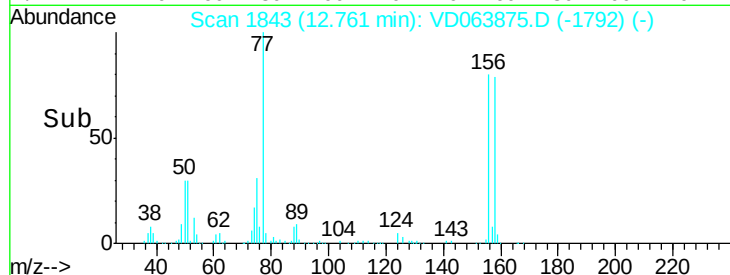
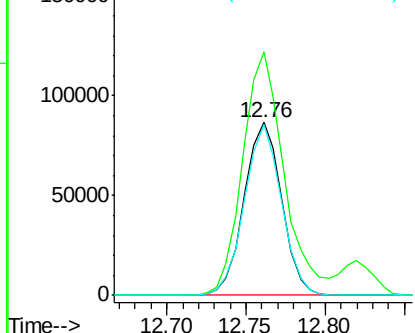
MMDadoda
10/4/2019 4:31:25 PM



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: 48.804 ug/l

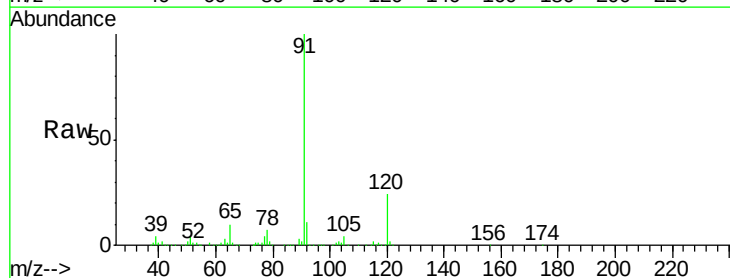
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063875.D

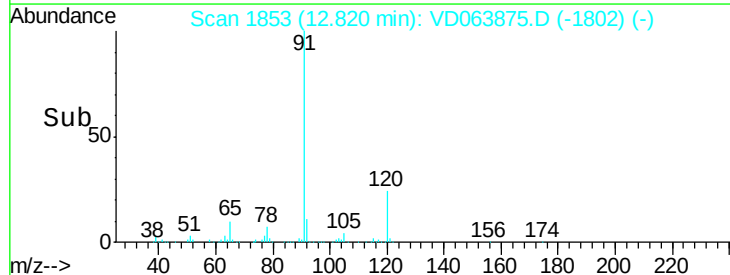
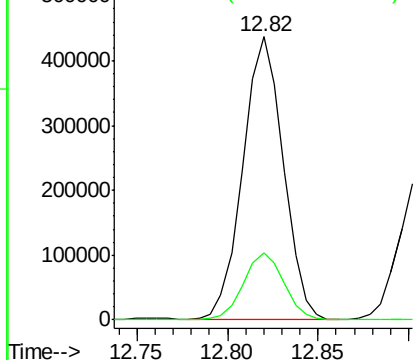
Acq: 03 Oct 2019 14:53

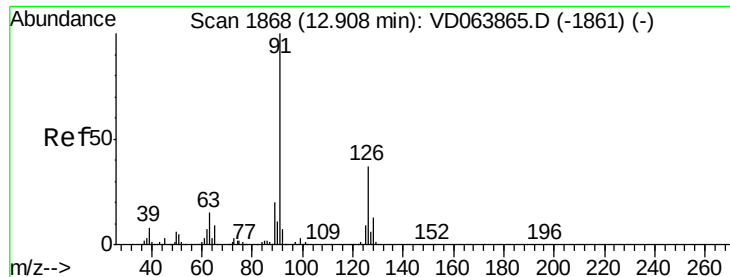
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	12.0	36.0	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.771 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 372860

Ion Ratio Lower Upper

91 100

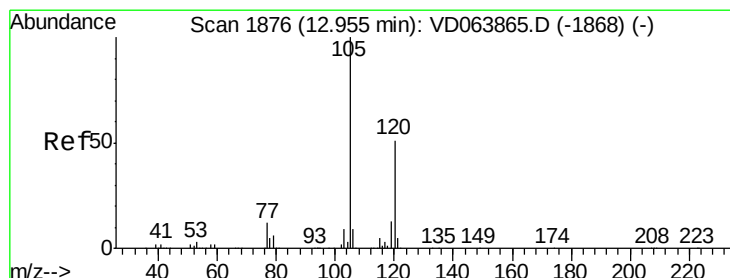
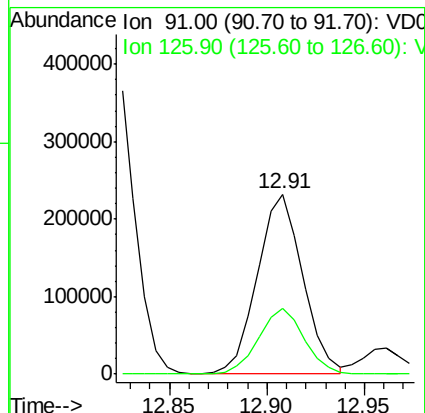
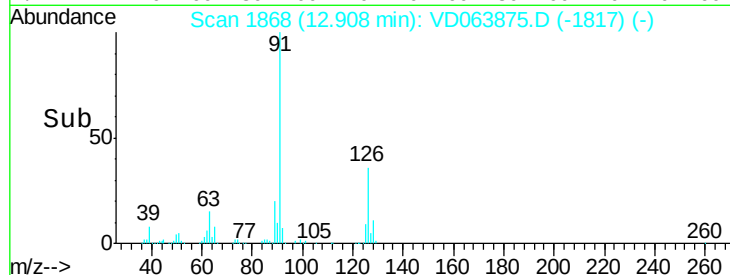
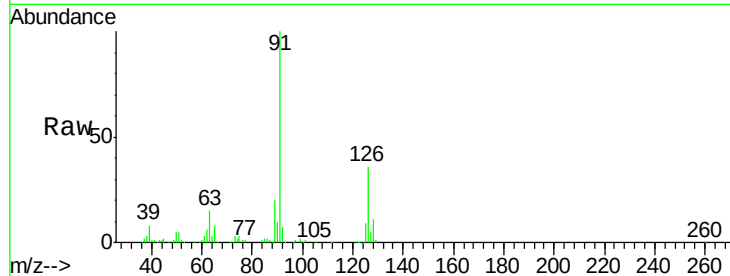
126 36.5 18.4 55.2

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:25 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.528 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063875.D

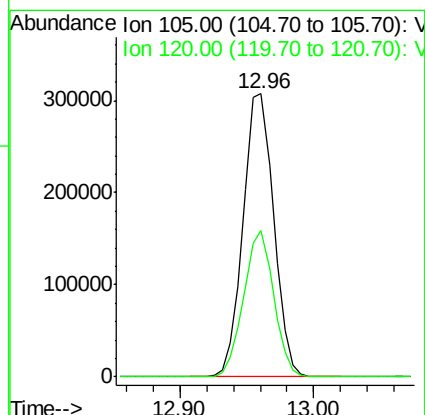
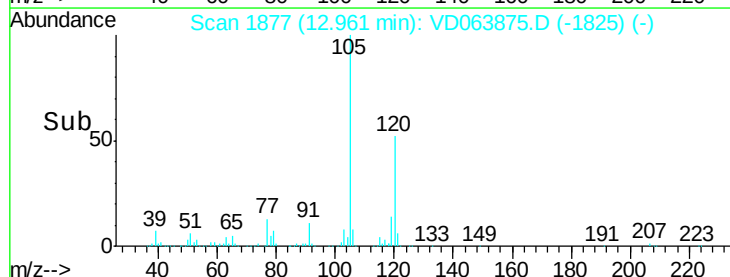
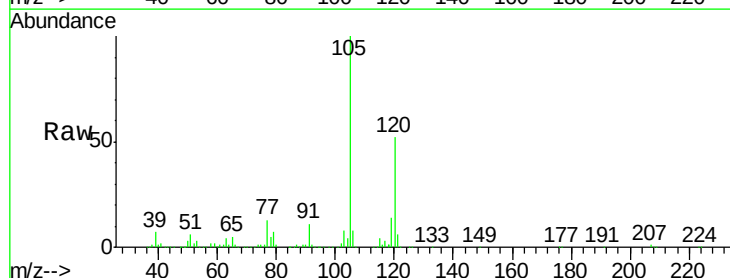
Acq: 03 Oct 2019 14:53

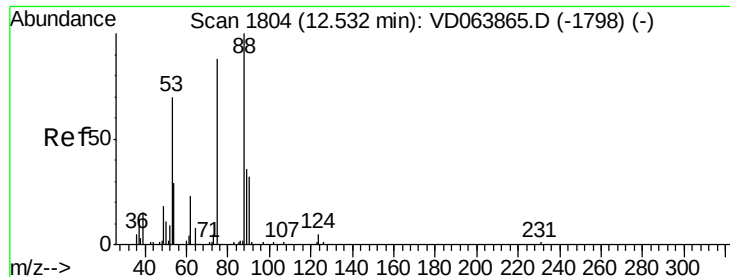
Tgt Ion: 105 Resp: 488074

Ion Ratio Lower Upper

105 100

120 50.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.787 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063875.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 29785

Ion Ratio Lower Upper

75 100

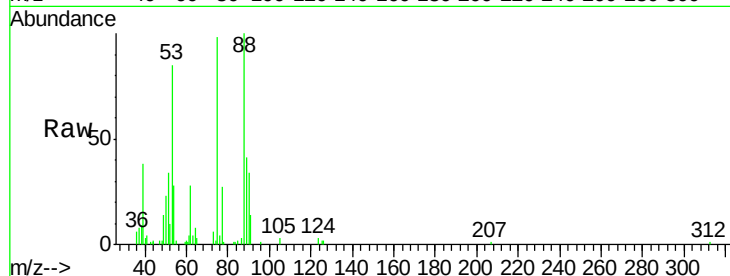
53 94.0 75.0 112.6

89 46.5 38.2 57.4

Manual Integrations
APPROVED

MMDadoda

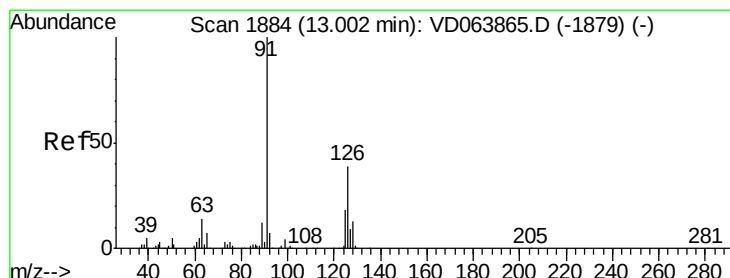
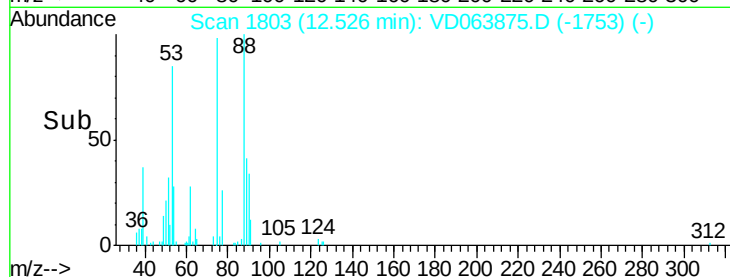
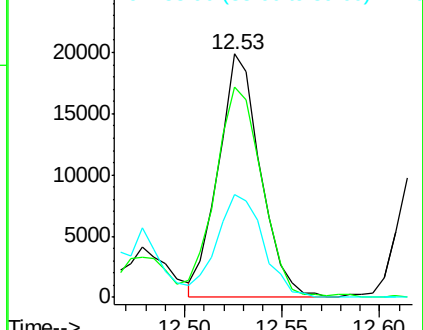
10/4/2019 4:31:25 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.026 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063875.D

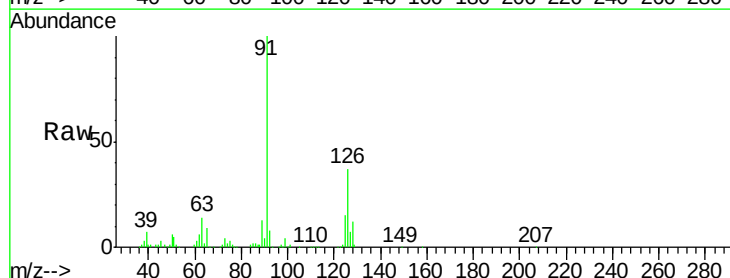
Acq: 03 Oct 2019 14:53

Tgt Ion: 91 Resp: 389489

Ion Ratio Lower Upper

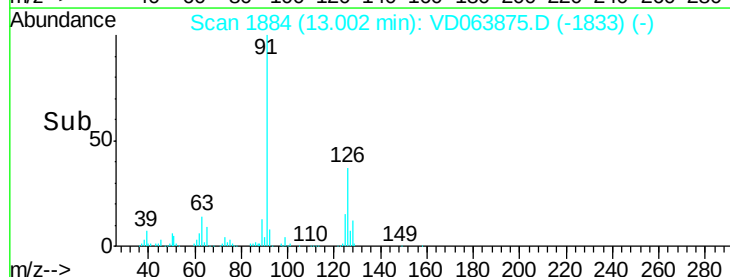
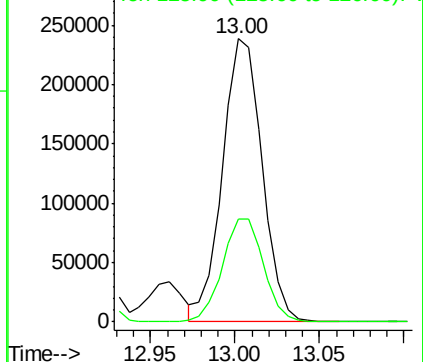
91 100

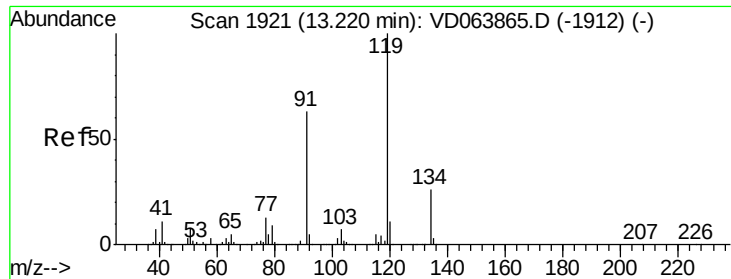
126 37.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





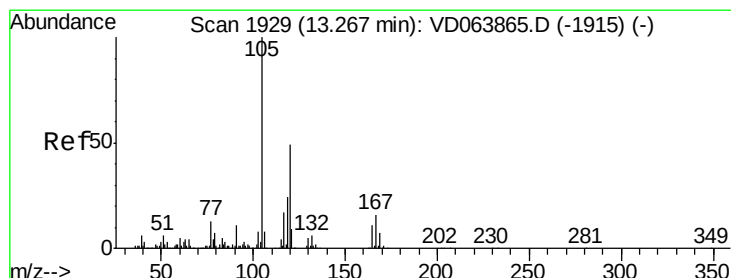
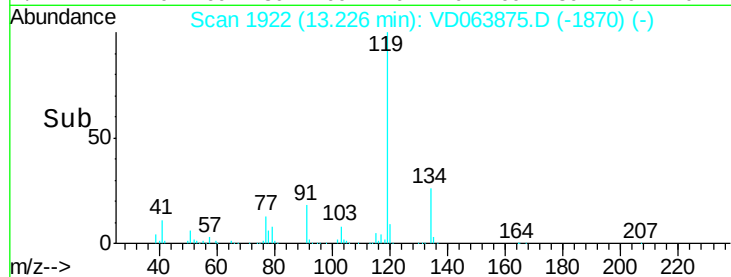
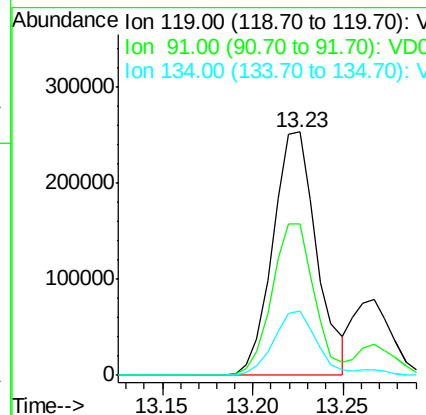
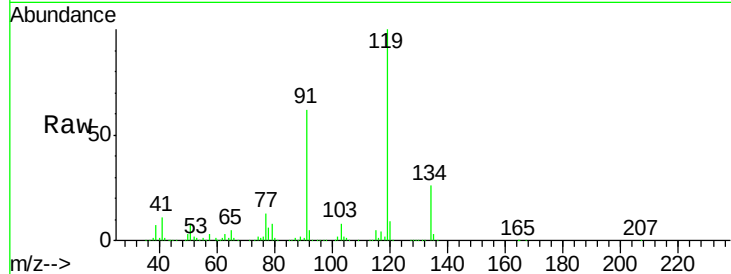
#83
tert-Butylbenzene
Concen: 48.802 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	428006		
91	59.8		30.0	90.0
134	25.9		13.0	38.9

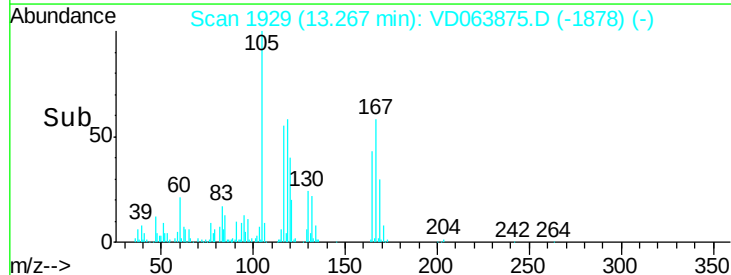
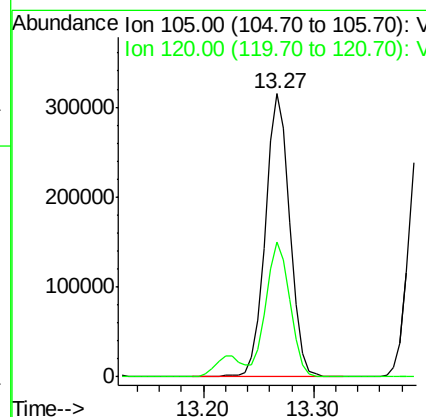
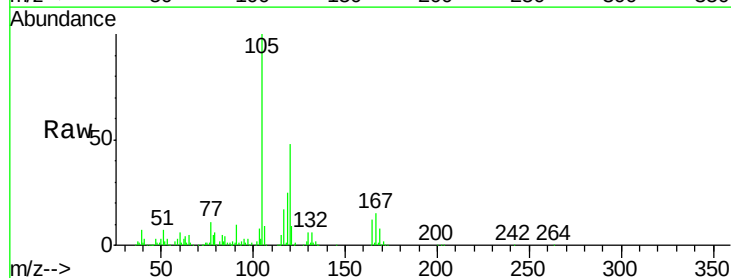
Manual Integrations
APPROVED

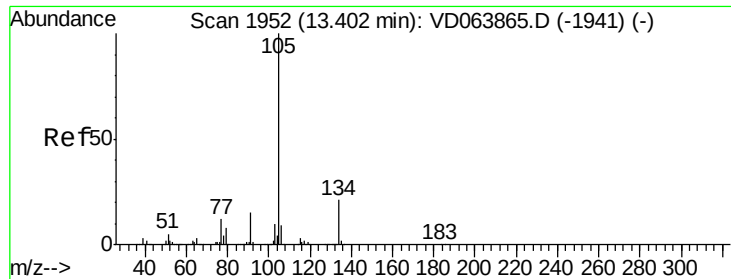
MMDadoda
10/4/2019 4:31:25 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.020 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	487850		
120	46.7		23.8	71.5





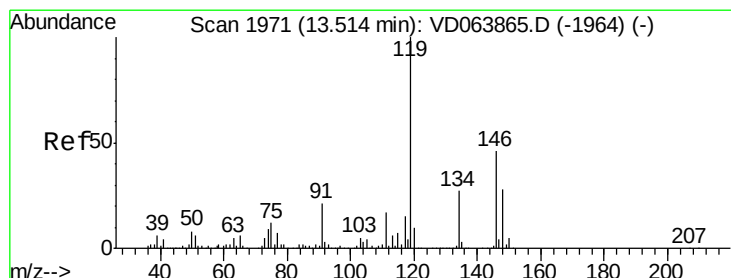
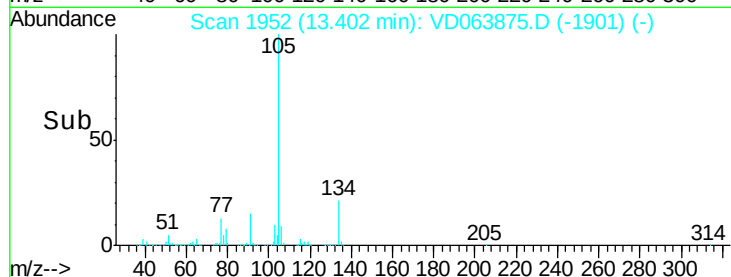
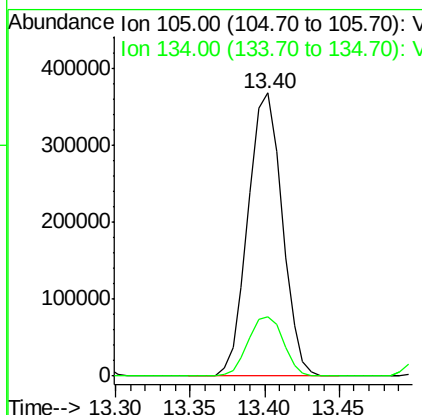
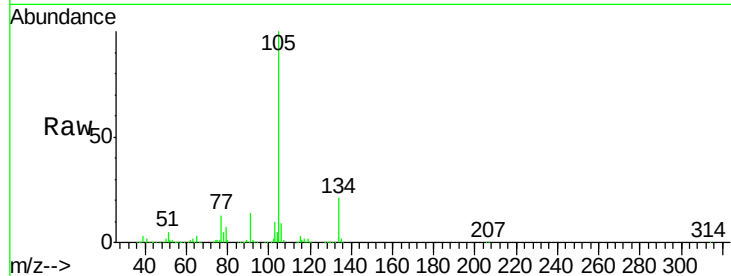
#85
 sec-Butylbenzene
 Concen: 49.375 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.6	31.8

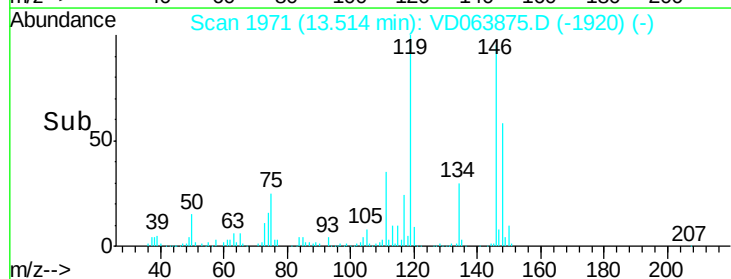
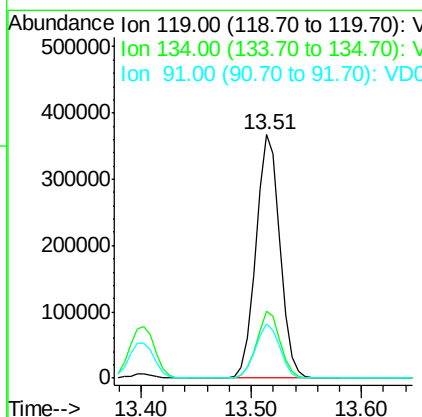
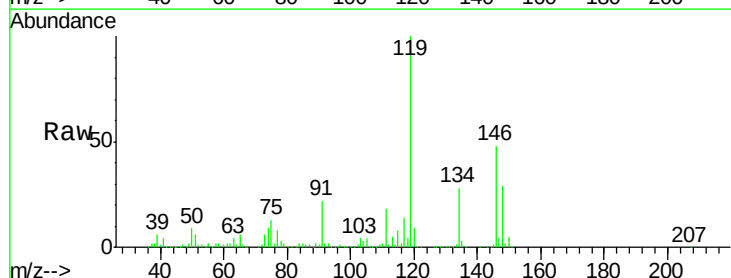
Manual Integrations
 APPROVED

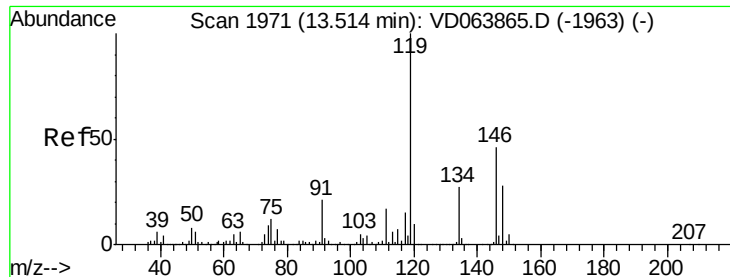
MMDadoda
 10/4/2019 4:31:25 PM



#86
 p-Isopropyltoluene
 Concen: 49.910 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.9	41.6
91	22.6	11.2	33.5





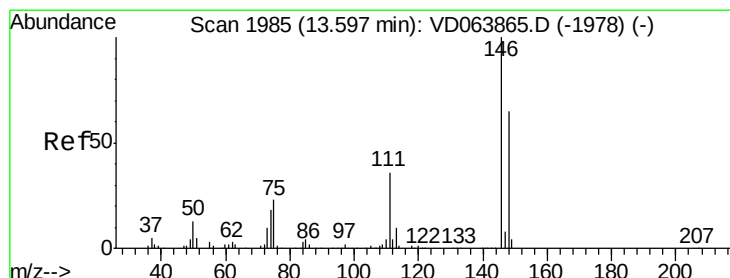
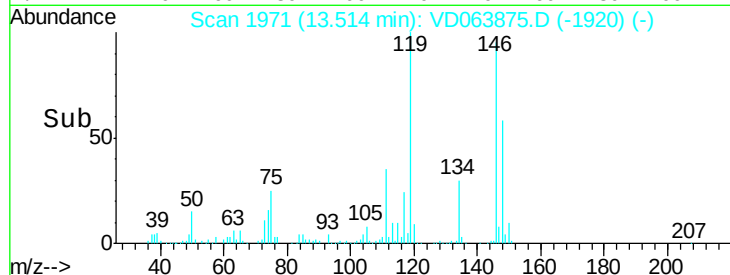
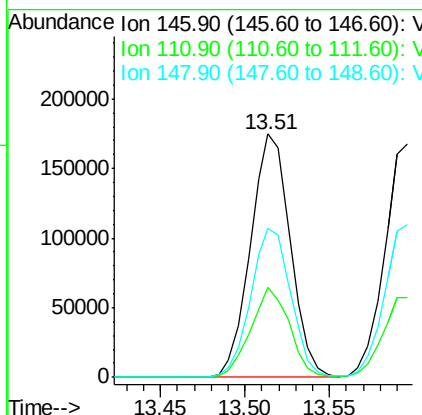
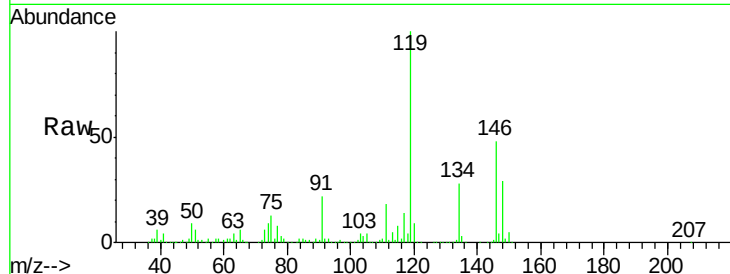
#87
 1,3-Dichlorobenzene
 Concen: 49.223 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286227		
111	36.0	18.3	54.9	
148	61.7	31.8	95.4	

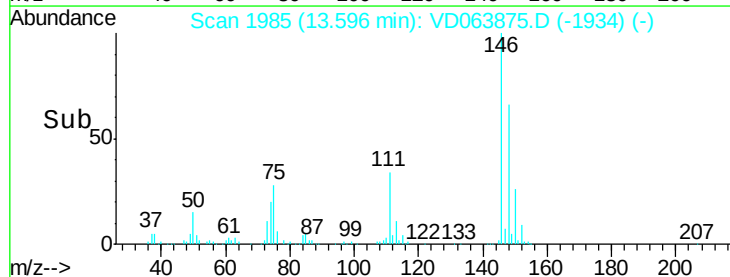
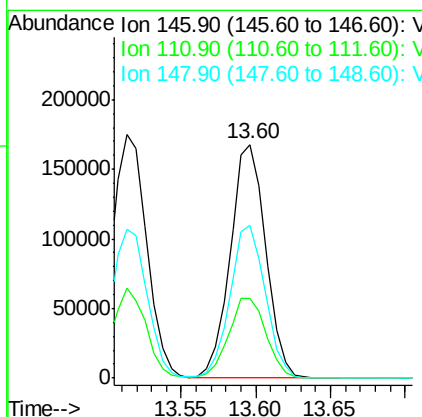
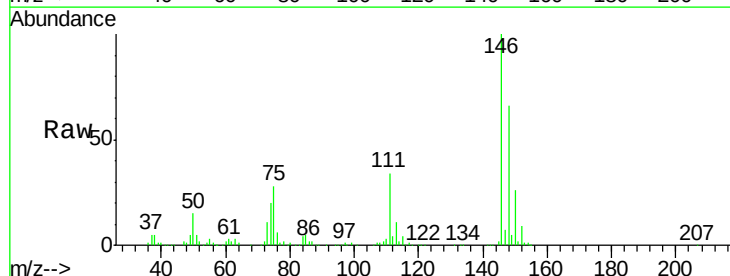
Manual Integrations
 APPROVED

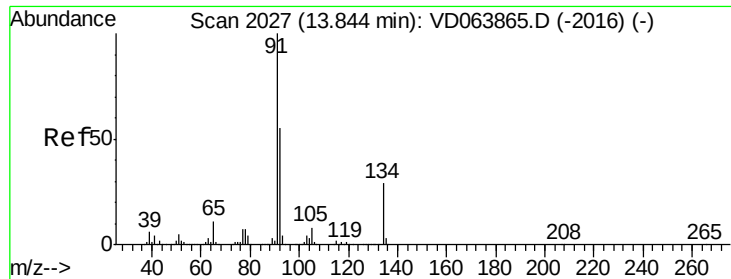
MMDadoda
 10/4/2019 4:31:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.498 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278214		
111	36.2	18.6	56.0	
148	65.2	32.6	98.0	





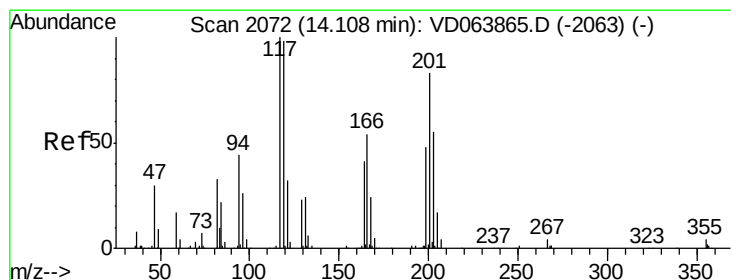
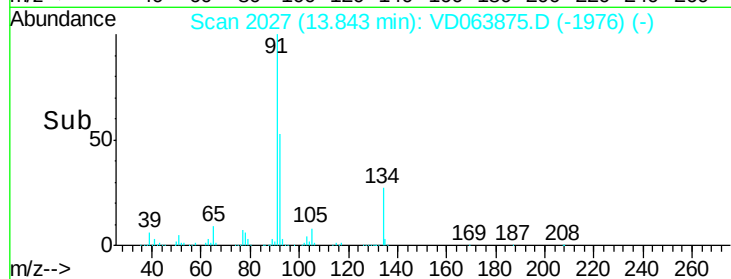
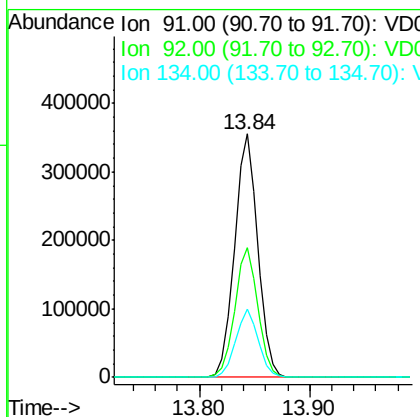
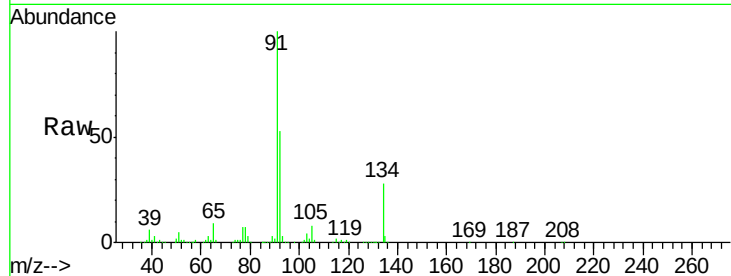
#89
n-Butylbenzene
Concen: 50.055 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	27.4	14.4	43.0

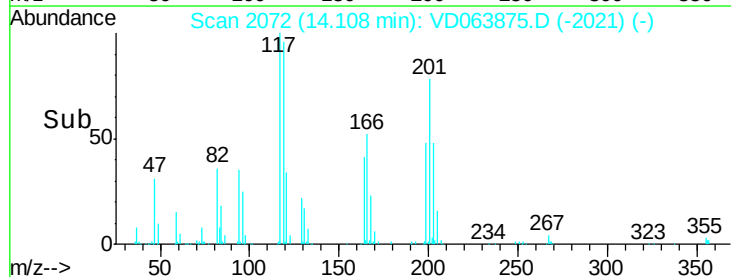
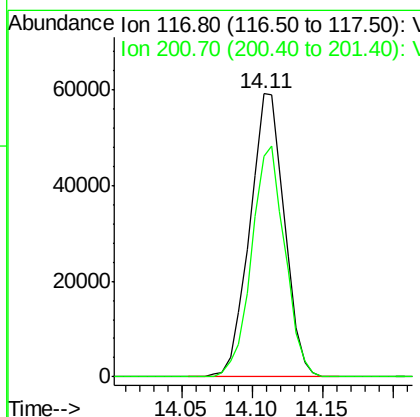
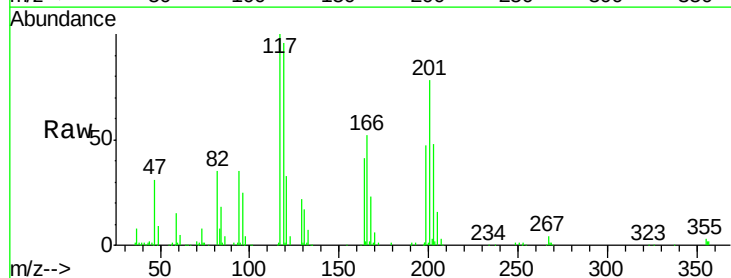
Manual Integrations
APPROVED

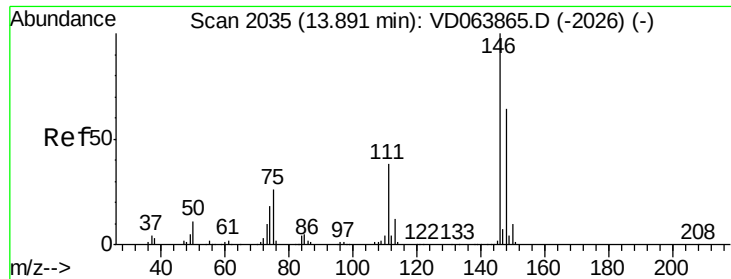
MMDadoda
10/4/2019 4:31:25 PM



#90
Hexachloroethane
Concen: 50.630 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	40.6	121.7





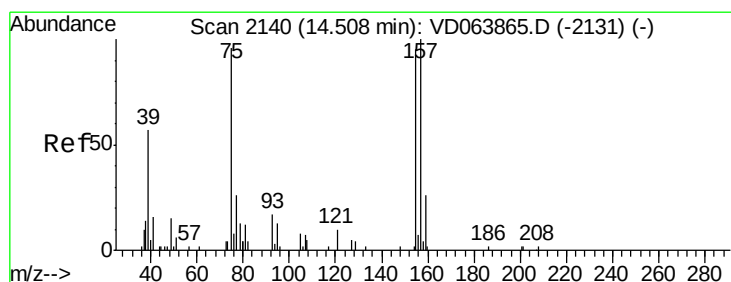
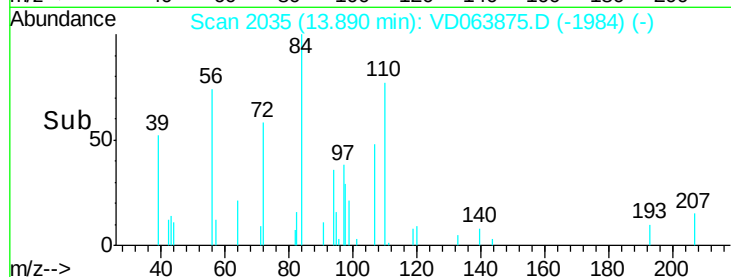
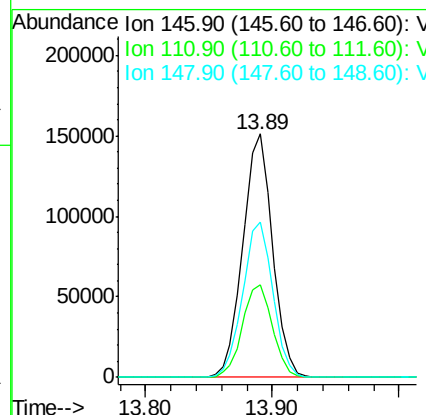
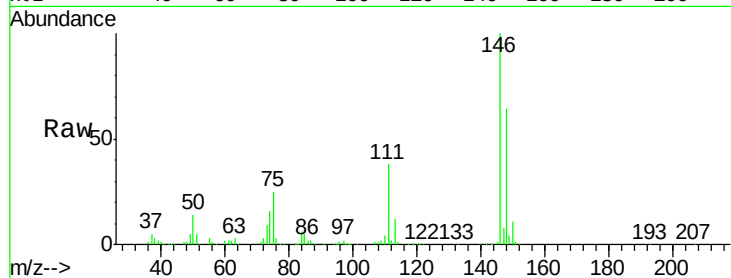
#91
 1,2-Dichlorobenzene
 Concen: 49.041 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	64.7	31.6	95.0

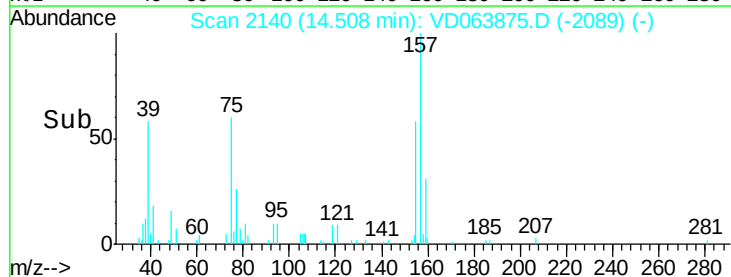
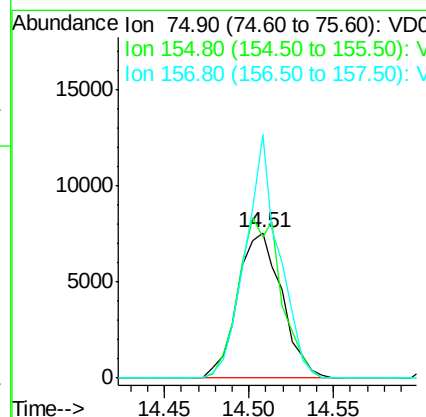
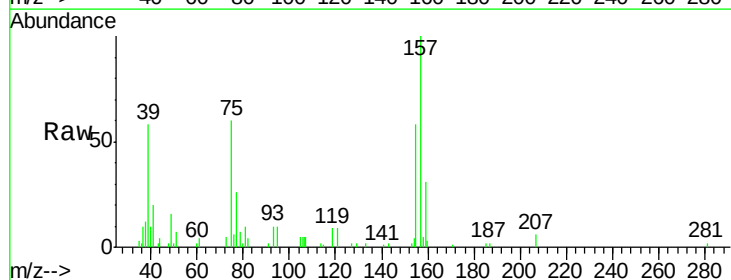
Manual Integrations
 APPROVED

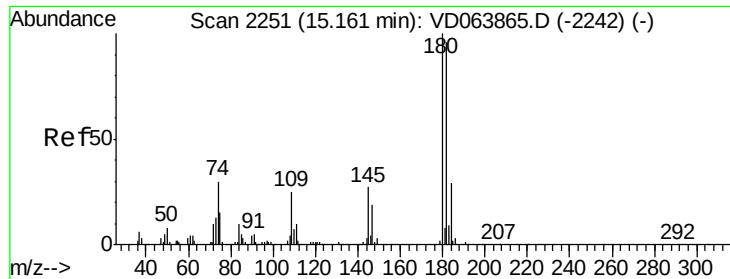
MMDadoda
 10/4/2019 4:31:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.910 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.8	43.9	131.6
157	127.1	56.0	167.9





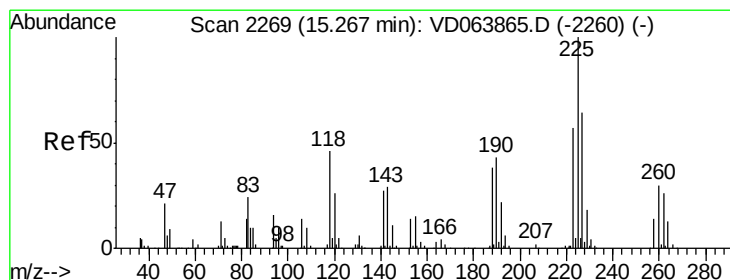
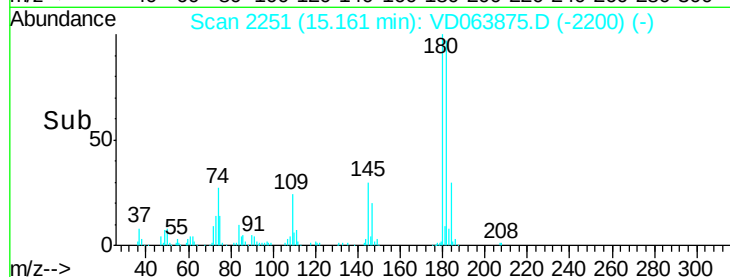
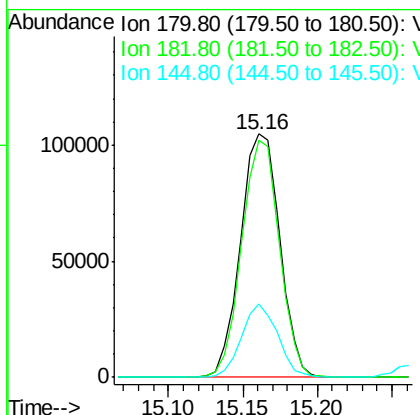
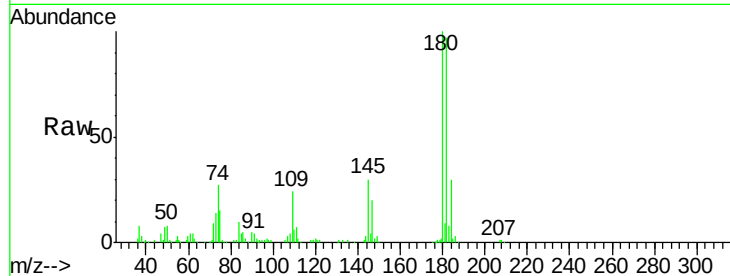
#93
 1,2,4-Trichlorobenzene
 Concen: 49.335 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190761		
182	93.5	47.4	142.3	
145	27.8	13.9	41.7	

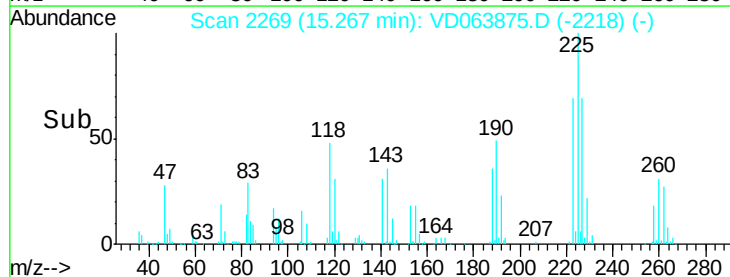
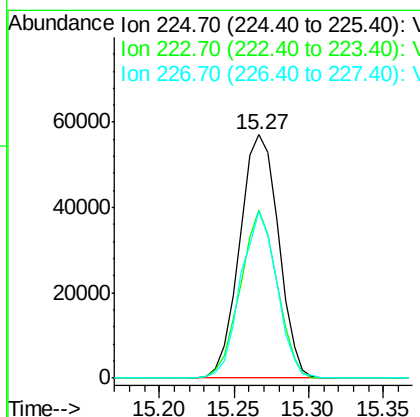
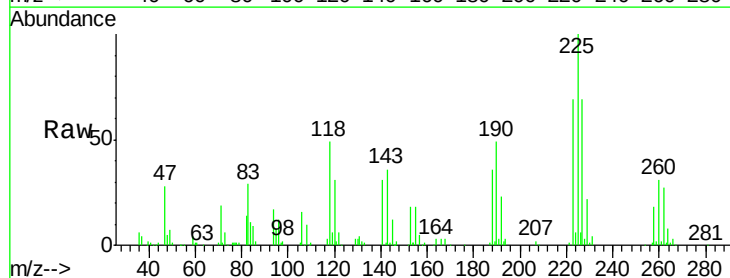
Manual Integrations
 APPROVED

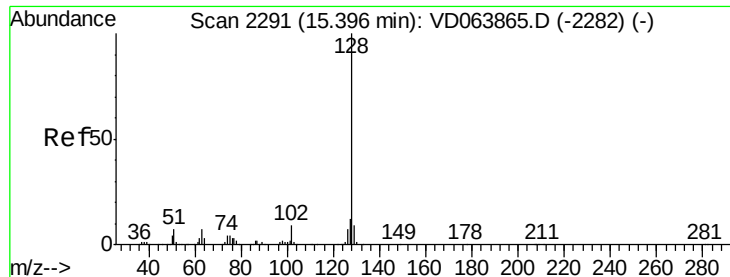
MMDadoda
 10/4/2019 4:31:25 PM



#94
 Hexachlorobutadiene
 Concen: 48.221 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063875.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102891		
223	65.4	29.5	88.6	
227	63.8	30.8	92.4	





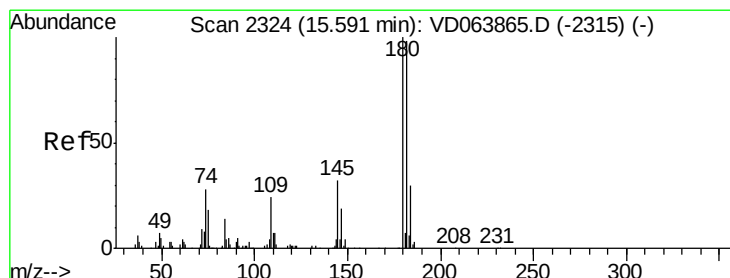
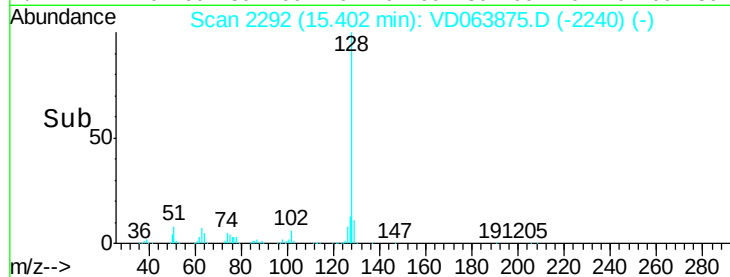
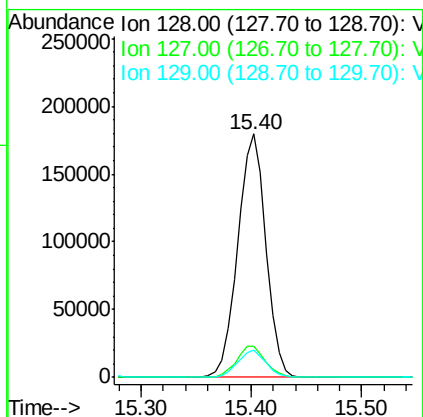
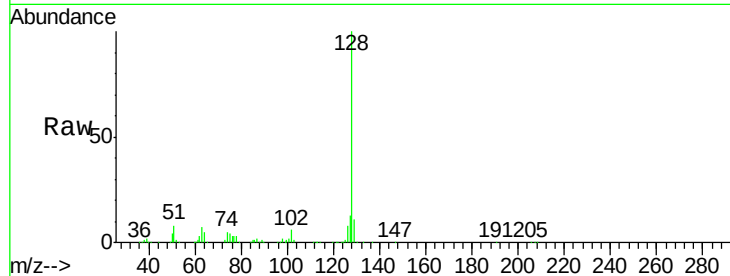
#95
Naphthalene
Concen: 49.416 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.3	10.6	16.0	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.509 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063875.D
Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.0	141.0	
145	32.1	15.3	45.9	

