

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063882.D
 Acq On : 03 Oct 2019 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:43 PM

Quant Time: Oct 04 01:53:31 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	198100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	97896	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	7.92	113	96840	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.34	98	394972	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.63	95	132919	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	57420	40.872	ug/l	97
3) Chloromethane	2.21	50	181723	47.684	ug/l	97
4) Vinyl Chloride	2.35	62	204889	45.124	ug/l	97
5) Bromomethane	2.77	94	130020	44.541	ug/l	91
6) Chloroethane	2.93	64	129424	43.100	ug/l #	88
7) Trichlorofluoromethane	3.27	101	267433	44.547	ug/l	99
8) Diethyl Ether	3.71	74	42016	43.604	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	74152	44.622	ug/l	96
10) Methyl Iodide	4.30	142	109048	47.623	ug/l	98
11) Tert butyl alcohol	5.24	59	34669	259.038	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	74317	44.763	ug/l	94
13) Acrolein	3.93	56	34769	201.845	ug/l	90
14) Allyl chloride	4.71	41	123232	44.645	ug/l	96
15) Acrylonitrile	5.43	53	102117	240.373	ug/l	97
16) Acetone	4.17	43	107385	213.858	ug/l	89
17) Carbon Disulfide	4.40	76	268867	44.550	ug/l #	92
18) Methyl Acetate	4.71	43	45586	46.416	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	195439	45.460	ug/l	99
20) Methylene Chloride	4.96	84	102434	45.717	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	94173	45.565	ug/l	97
22) Diisopropyl ether	6.37	45	266803	47.328	ug/l	98
23) Vinyl Acetate	6.31	43	798670	238.155	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162736	46.866	ug/l	95
25) 2-Butanone	7.22	43	132128	222.033	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	143070	45.548	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109040	46.611	ug/l	99
28) Bromochloromethane	7.55	49	69310	52.408	ug/l	99
29) Tetrahydrofuran	7.58	42	77839	224.101	ug/l	98
30) Chloroform	7.71	83	173636	46.040	ug/l	100
31) Cyclohexane	7.98	56	140862	48.985	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	149367	46.170	ug/l	98
36) 1,1-Dichloropropene	8.12	75	131281	45.154	ug/l	99
37) Ethyl Acetate	7.30	43	55262	47.176	ug/l	100
38) Carbon Tetrachloride	8.10	117	133418	45.410	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063882.D
 Acq On : 03 Oct 2019 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:43 PM

Quant Time: Oct 04 01:53:31 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	161008	45.040	ug/l	95
40) Benzene	8.35	78	392363	47.092	ug/l	95
41) Methacrylonitrile	7.53	41	34529	51.224	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	110649	45.911	ug/l	99
43) Isopropyl Acetate	8.46	43	111727	45.823	ug/l	97
44) Trichloroethene	9.11	130	108744	45.262	ug/l	85
45) 1,2-Dichloropropane	9.39	63	93630	45.912	ug/l	99
46) Dibromomethane	9.48	93	54780	47.166	ug/l	99
47) Bromodichloromethane	9.67	83	138895	46.450	ug/l	96
48) Methyl methacrylate	9.46	41	51967	44.483	ug/l	98
49) 1,4-Dioxane	9.47	88	15490	977.082	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	286083	226.236	ug/l	99
52) Toluene	10.40	92	271239	47.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136240	46.691	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	156467	46.584	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	74869	45.655	ug/l	96
56) Ethyl methacrylate	10.66	69	98993	47.669	ug/l	97
57) 1,3-Dichloropropane	10.95	76	131735	46.952	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	202472	226.826	ug/l	98
59) 2-Hexanone	10.98	43	210443	230.061	ug/l	98
60) Dibromochloromethane	11.14	129	100358	47.007	ug/l	96
61) 1,2-Dibromoethane	11.25	107	75938	47.766	ug/l	99
64) Tetrachloroethene	10.88	164	98999	45.377	ug/l	98
65) Chlorobenzene	11.67	112	297722	46.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	112544	47.589	ug/l	95
67) Ethyl Benzene	11.74	91	528089	45.631	ug/l	97
68) m/p-Xylenes	11.86	106	423359	94.776	ug/l	99
69) o-Xylene	12.18	106	198713	46.458	ug/l	97
70) Styrene	12.20	104	349468	48.264	ug/l	98
71) Bromoform	12.36	173	62456	49.210	ug/l #	98
73) Isopropylbenzene	12.48	105	528890	45.421	ug/l	98
74) N-amyl acetate	12.29	43	108525	43.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	90193	44.513	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	69920m	60.270	ug/l	
77) Bromobenzene	12.76	156	132739	45.756	ug/l	98
78) n-propylbenzene	12.82	91	616459	45.104	ug/l	100
79) 2-Chlorotoluene	12.91	91	343362	45.561	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	446359	45.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27649	42.175	ug/l	94
82) 4-Chlorotoluene	13.01	91	352665	44.113	ug/l	98
83) tert-Butylbenzene	13.23	119	388682	44.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	456474	45.580	ug/l	98
85) sec-Butylbenzene	13.40	105	527714	45.198	ug/l	100
86) p-Isopropyltoluene	13.51	119	501695	45.410	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	263815	46.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261272	46.202	ug/l	98
89) n-Butylbenzene	13.84	91	477355	46.418	ug/l	98
90) Hexachloroethane	14.11	117	89523	45.053	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	232251	47.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13342	41.986	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
Data File : VD063882.D
Acq On : 03 Oct 2019 18:16
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

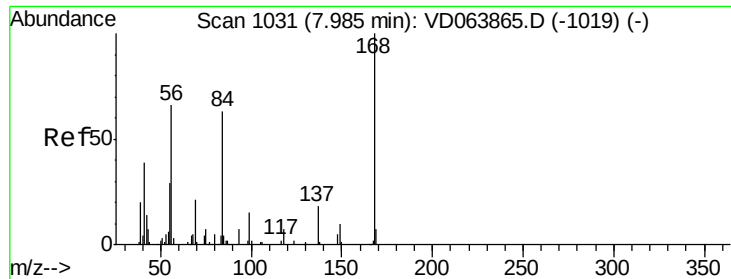
Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM

Quant Time: Oct 04 01:53:31 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)
93) 1,2,4-Trichlorobenzene	15.16	180	175177	45.959	ug/l	97
94) Hexachlorobutadiene	15.27	225	97476	46.343	ug/l	98
95) Naphthalene	15.40	128	306598	47.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	150050	45.627	ug/l	99

(#) = 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: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 198100

Ion Ratio Lower Upper

168 100

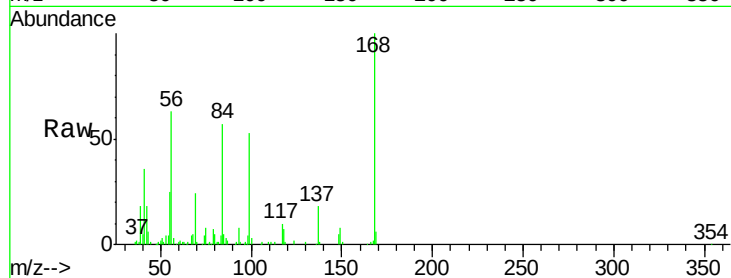
99 52.5 43.0 64.4

Manual Integrations

APPROVED

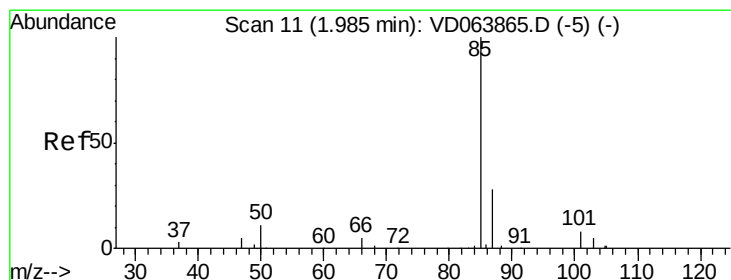
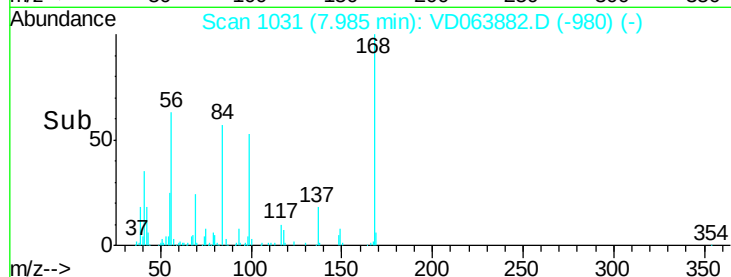
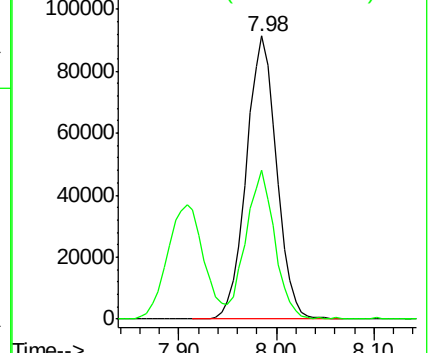
MMDadoda

10/4/2019 4:31:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.872 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063882.D

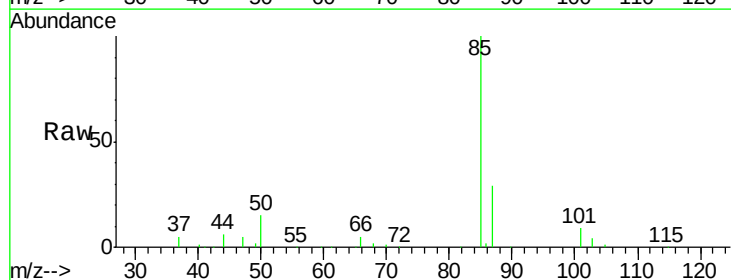
Acq: 03 Oct 2019 18:16

Tgt Ion: 85 Resp: 57420

Ion Ratio Lower Upper

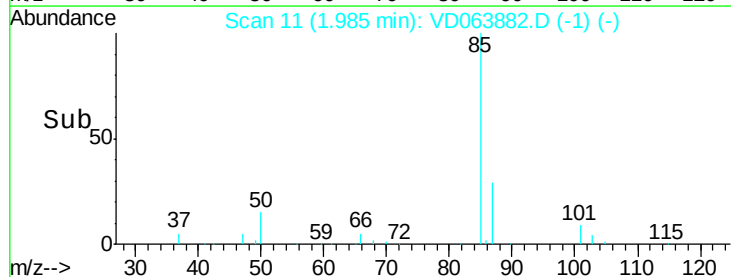
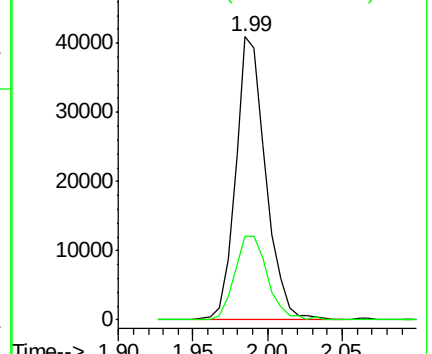
85 100

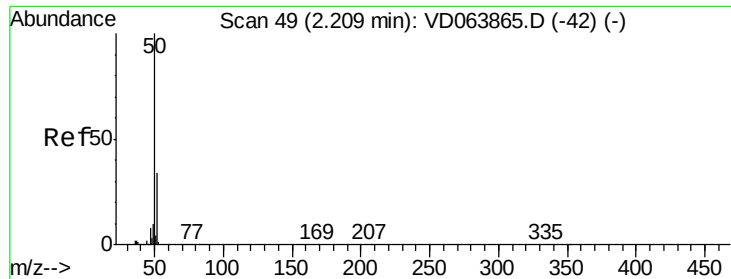
87 29.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.684 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 181723

Ion Ratio Lower Upper

50 100

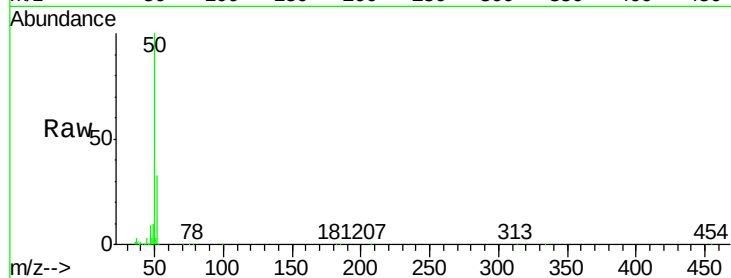
52 32.6 27.5 41.3

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:43 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

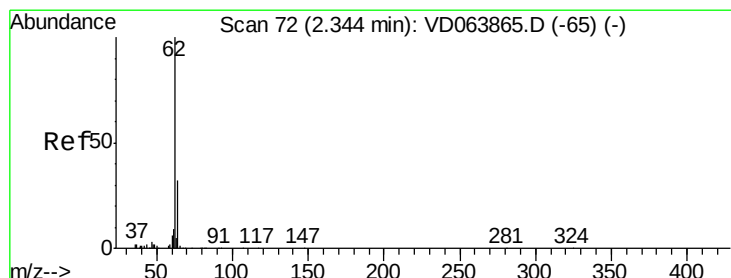
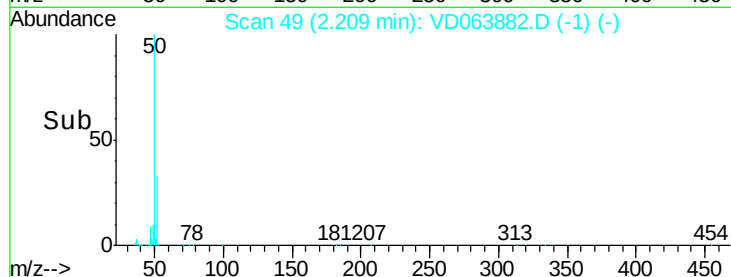
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.124 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063882.D

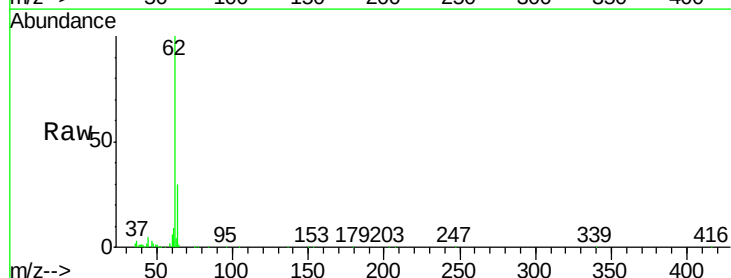
Acq: 03 Oct 2019 18:16

Tgt Ion: 62 Resp: 204889

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

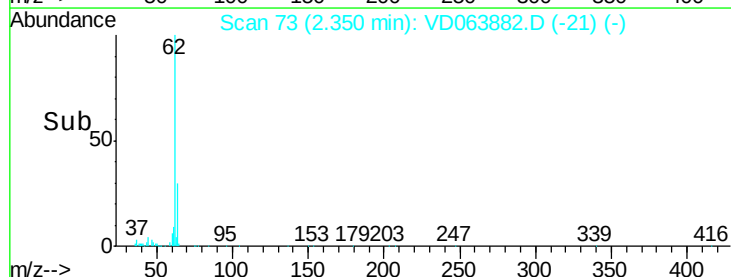
150000

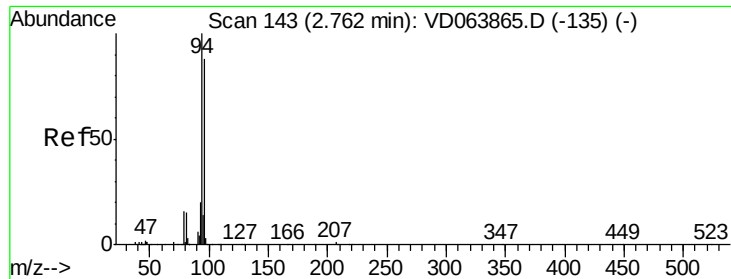
100000

50000

0

Time-->





#5

Bromomethane

Concen: 44.541 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 130020

Ion Ratio Lower Upper

94 100

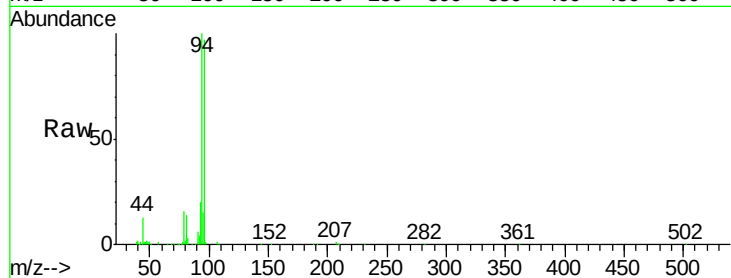
96 96.6 70.8 106.2

Manual Integrations

APPROVED

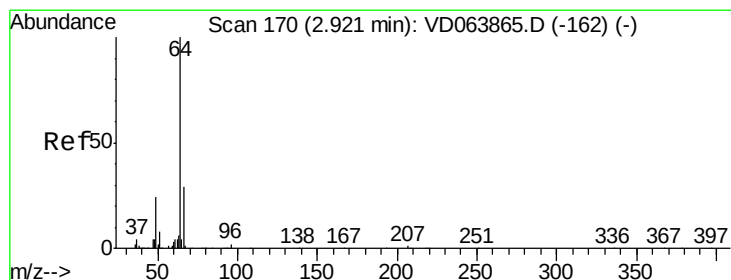
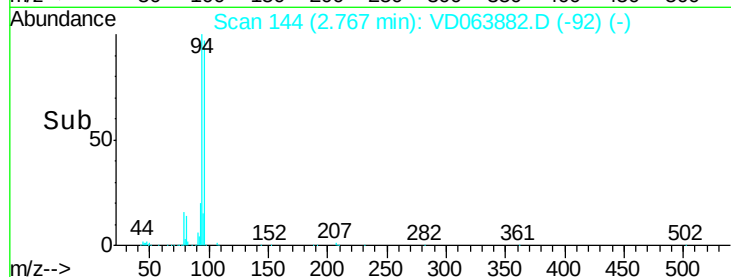
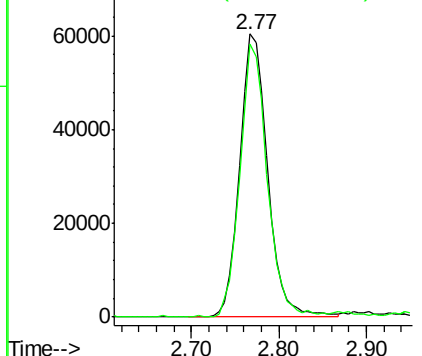
MMDadoda

10/4/2019 4:31:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.100 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063882.D

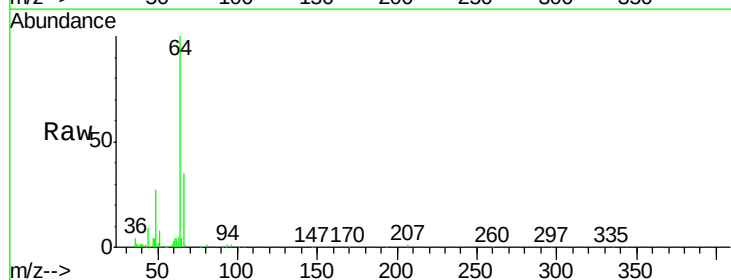
Acq: 03 Oct 2019 18:16

Tgt Ion: 64 Resp: 129424

Ion Ratio Lower Upper

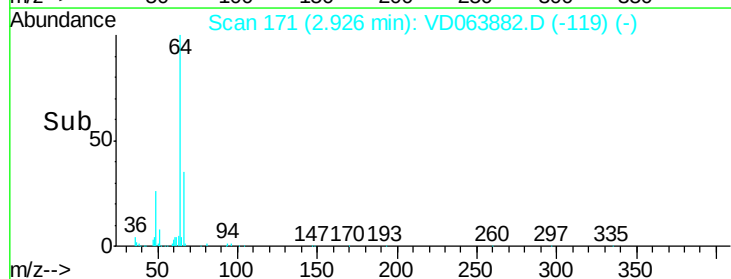
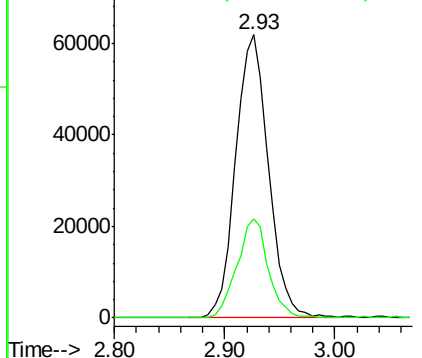
64 100

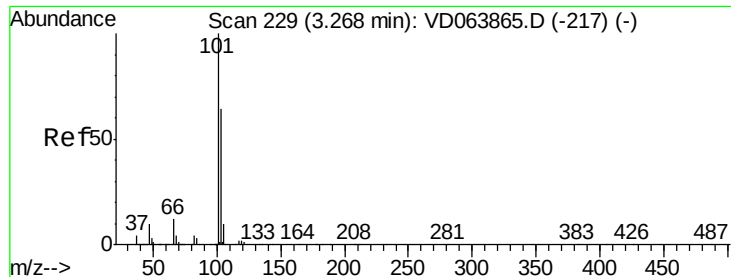
66 34.9 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

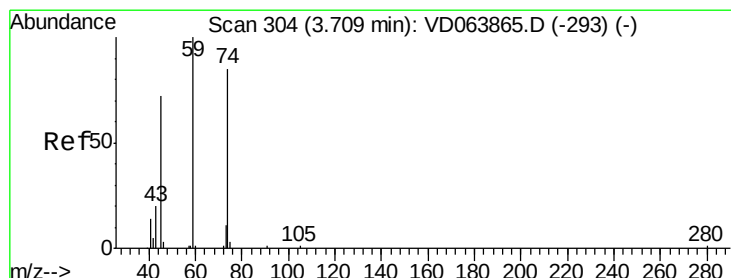
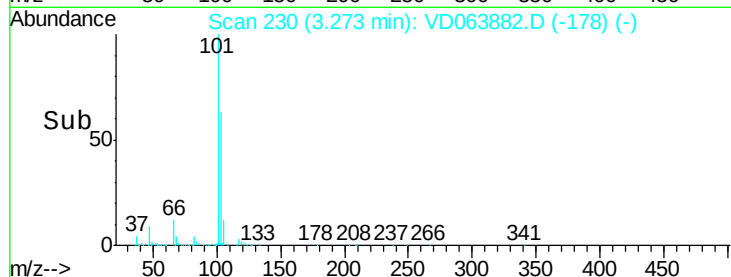
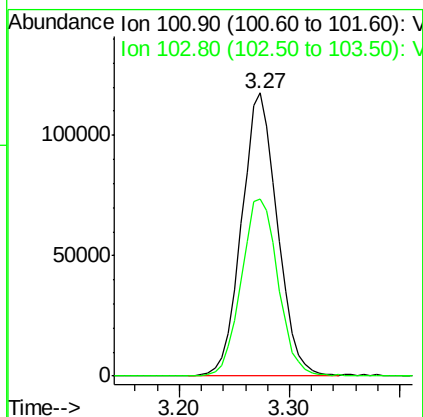
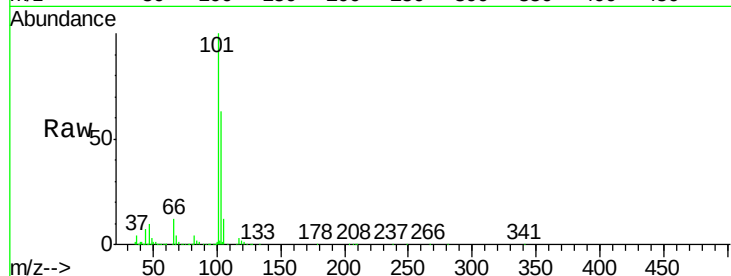
Trichlorofluoromethane
Concen: 44.547 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.1	76.7

Manual Integrations
APPROVED

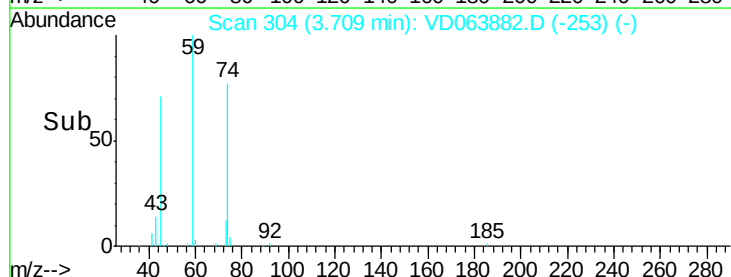
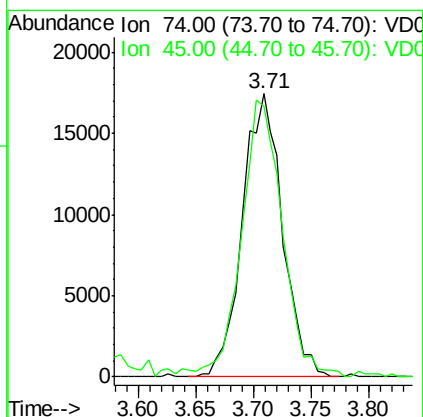
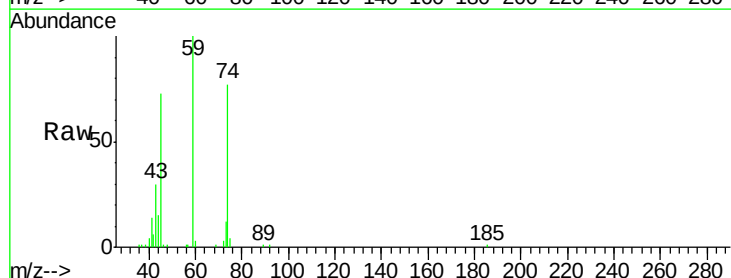
MMDadoda
10/4/2019 4:31:43 PM

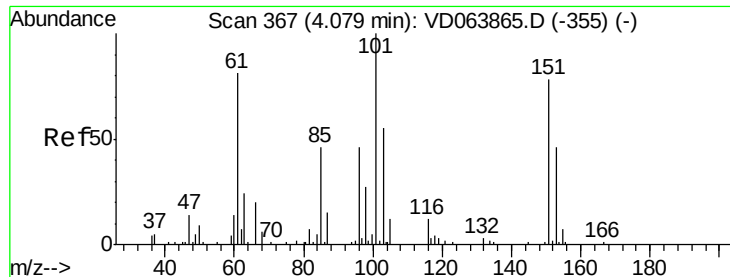


#8

Diethyl Ether
Concen: 43.604 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.622 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

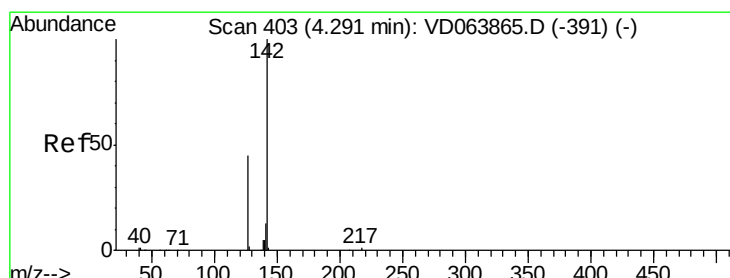
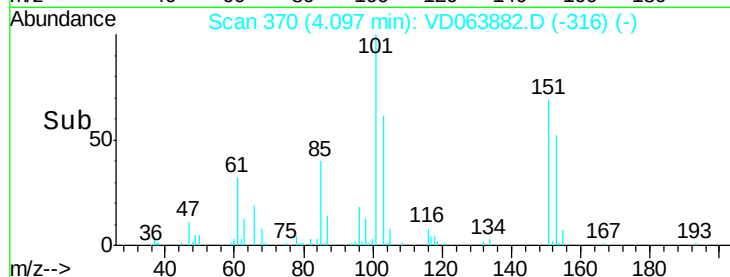
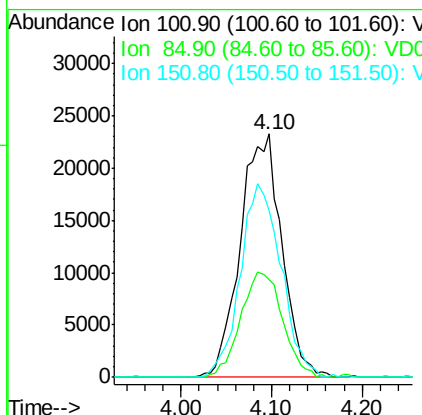
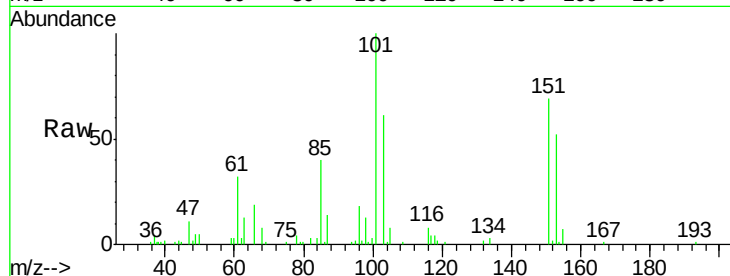
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	74152
Ion Ratio	Lower	Upper	
101	100		
85	43.6	37.5	56.3
151	78.2	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#10

Methyl Iodide

Concen: 47.623 ug/l

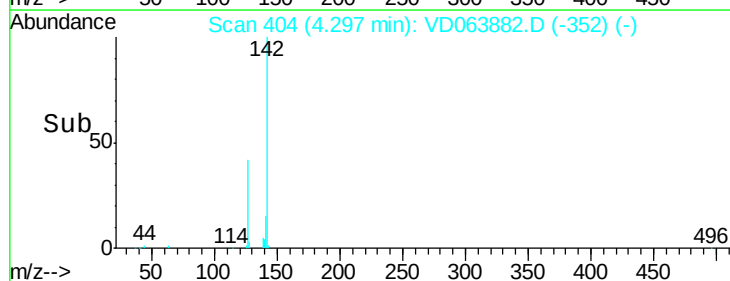
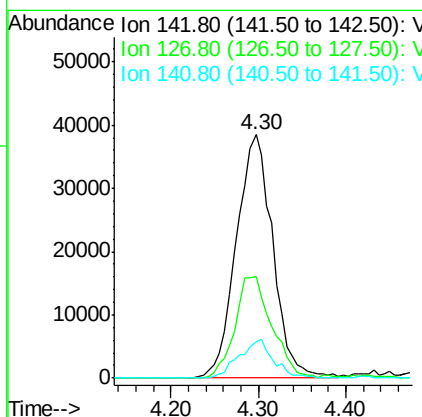
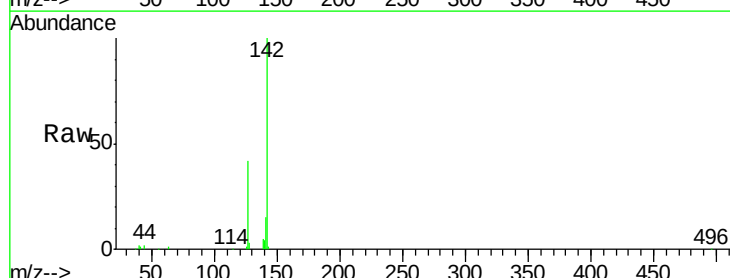
RT: 4.30 min Scan# 404

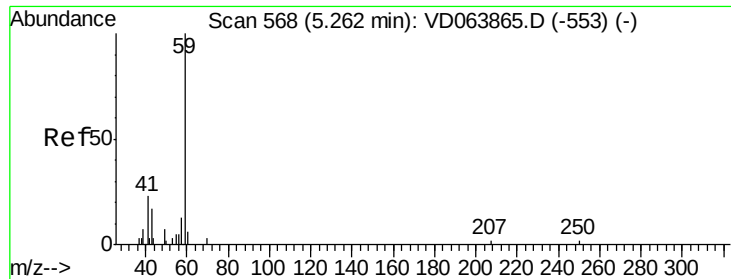
Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	142	Resp:	109048
Ion Ratio	Lower	Upper	
142	100		
127	42.3	35.3	52.9
141	14.6	12.2	18.2





#11

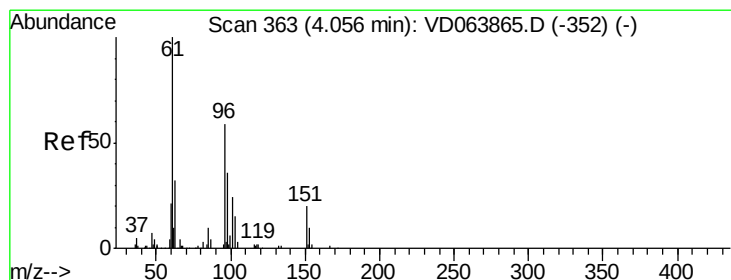
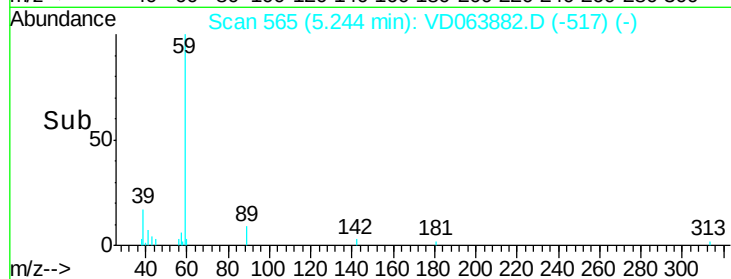
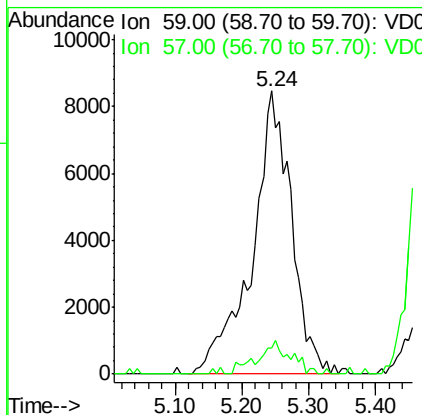
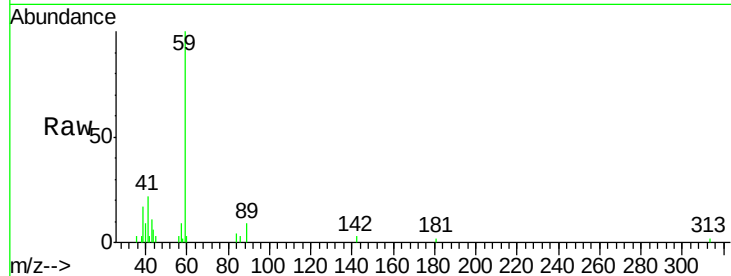
Tert butyl alcohol
 Concen: 259.038 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	8.8	13.2#

Manual Integrations
 APPROVED

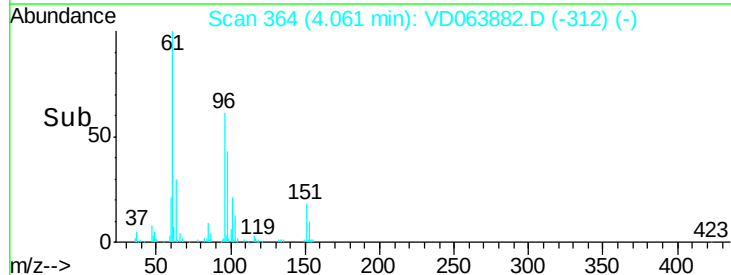
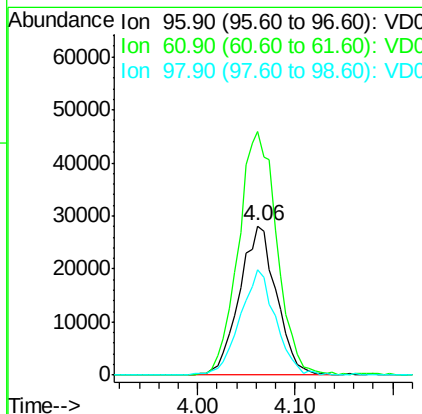
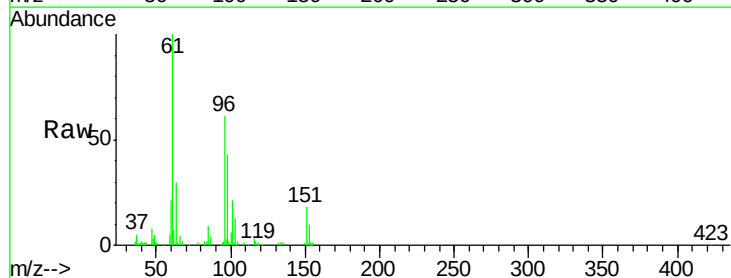
MMDadoda
 10/4/2019 4:31:43 PM

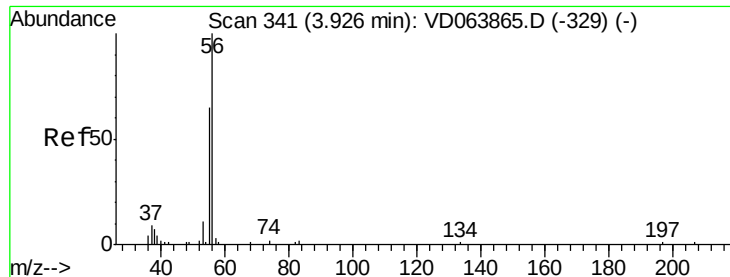


#12

1,1-Dichloroethene
 Concen: 44.763 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	135.6	203.4
98	70.4	49.2	73.8





#13

Acrolein

Concen: 201.845 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34769

Ion Ratio Lower Upper

56 100

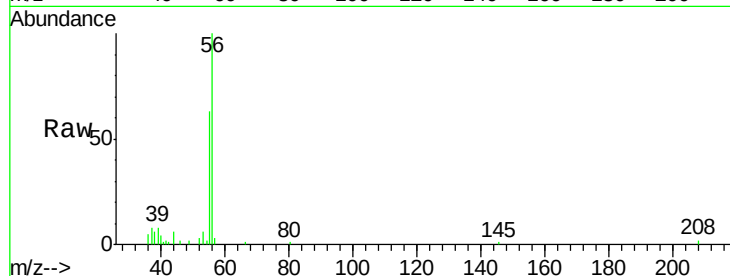
55 74.2 53.0 79.6

Manual Integrations

APPROVED

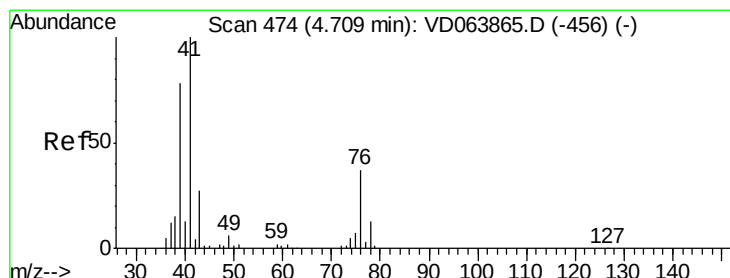
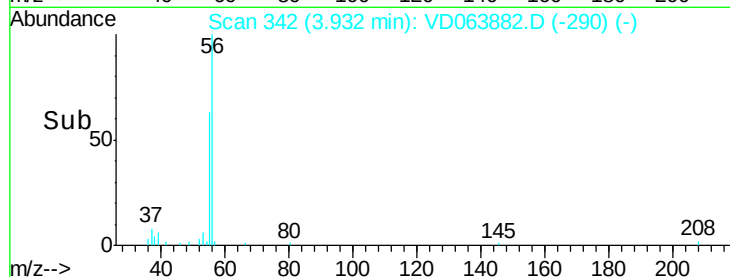
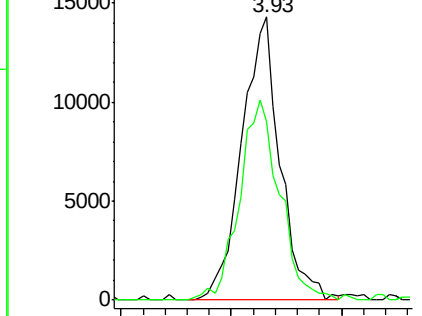
MMDadoda

10/4/2019 4:31:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.645 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

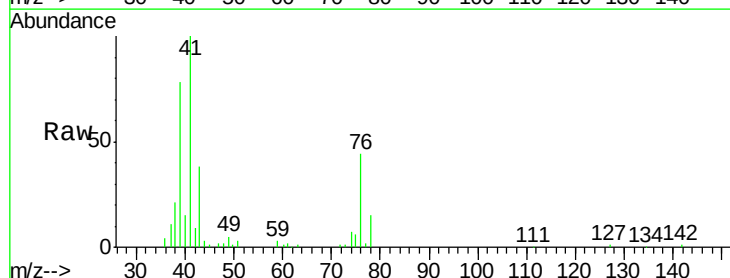
Tgt Ion: 41 Resp: 123232

Ion Ratio Lower Upper

41 100

39 73.1 61.8 92.6

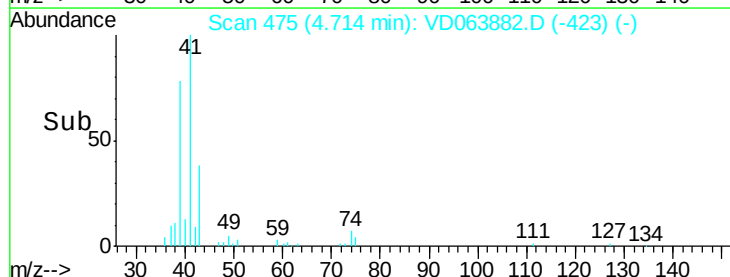
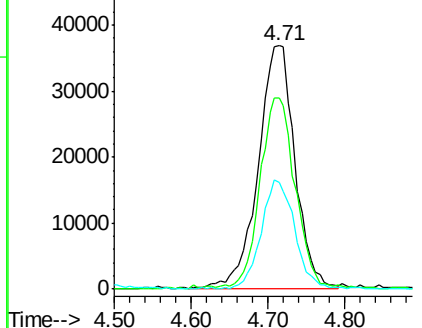
76 40.5 31.3 46.9

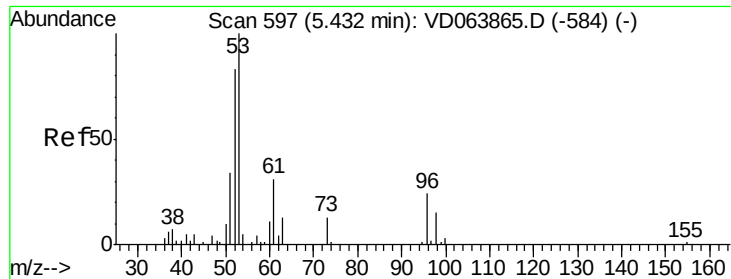


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 240.373 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

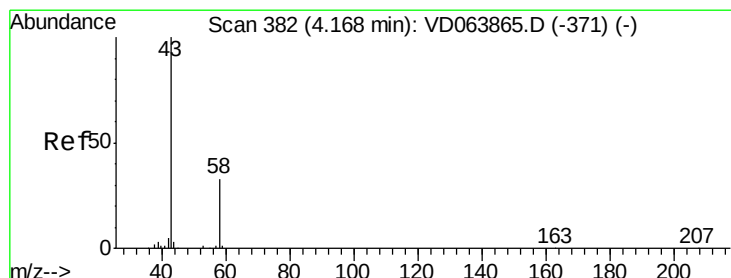
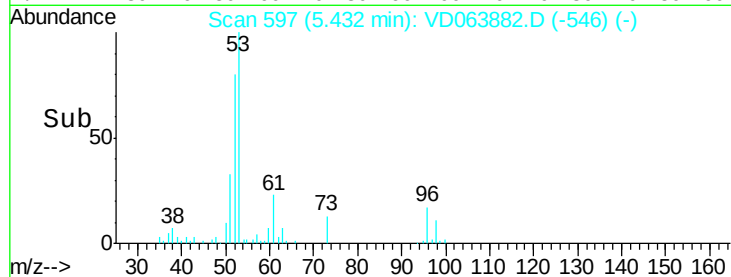
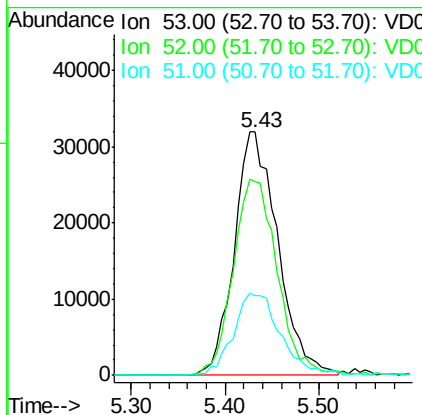
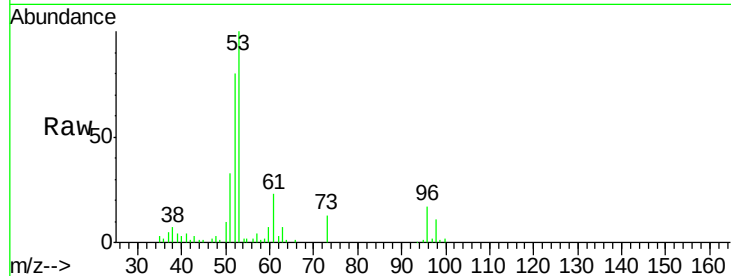
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	102117
Ion Ratio	Lower	Upper	
53	100		
52	81.8	67.3	100.9
51	36.4	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#16

Acetone

Concen: 213.858 ug/l

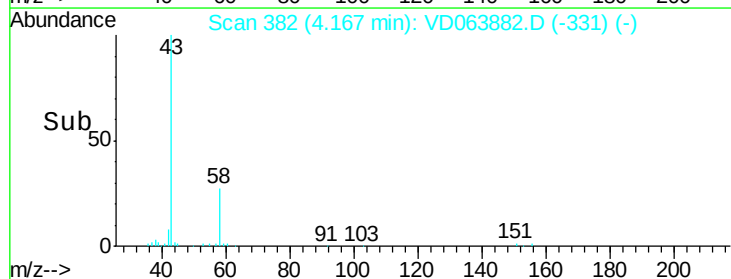
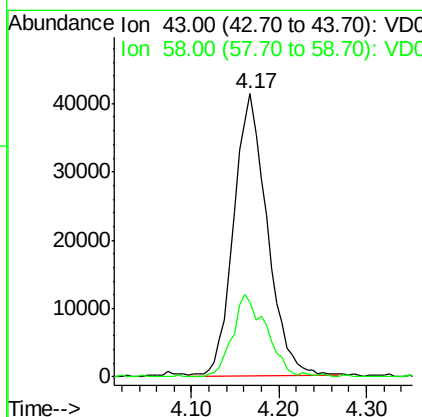
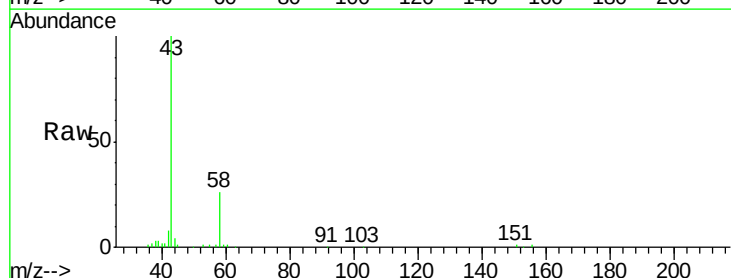
RT: 4.17 min Scan# 382

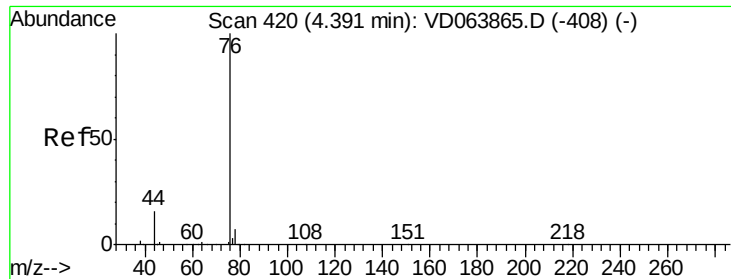
Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	43	Resp:	107385
Ion Ratio	Lower	Upper	
43	100		
58	26.6	26.2	39.4





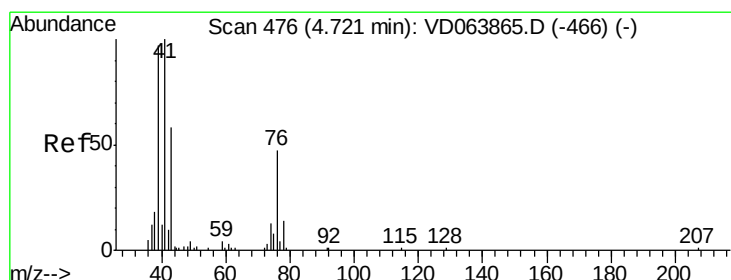
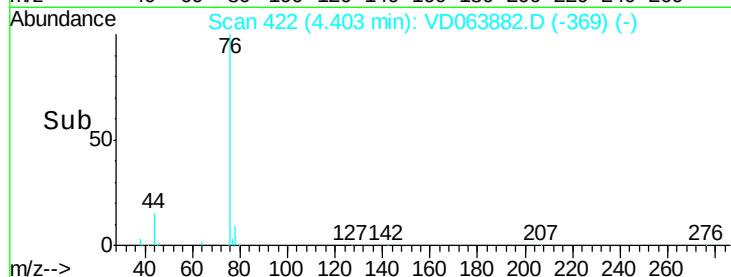
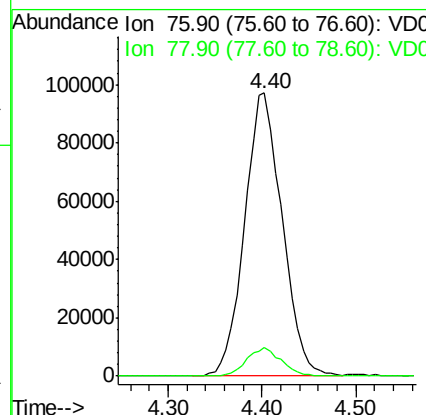
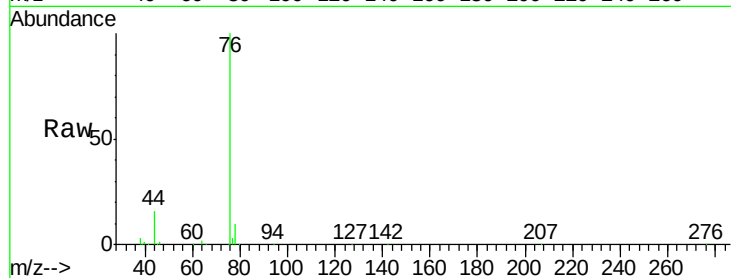
#17
Carbon Disulfide
Concen: 44.550 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	5.8	8.8#

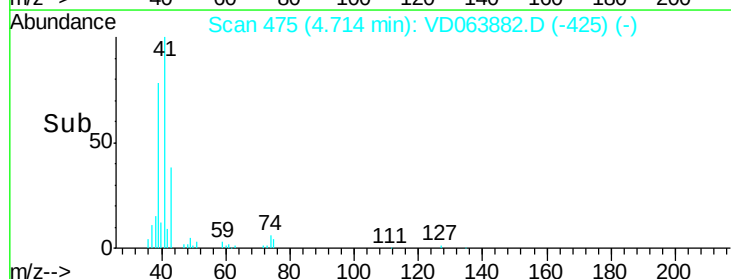
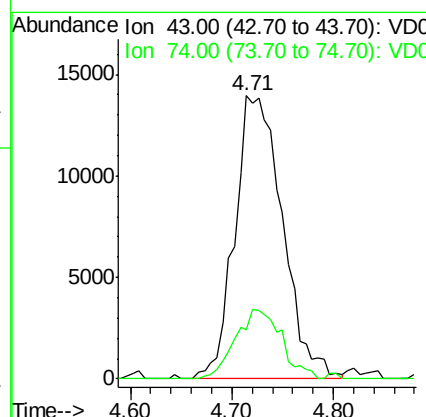
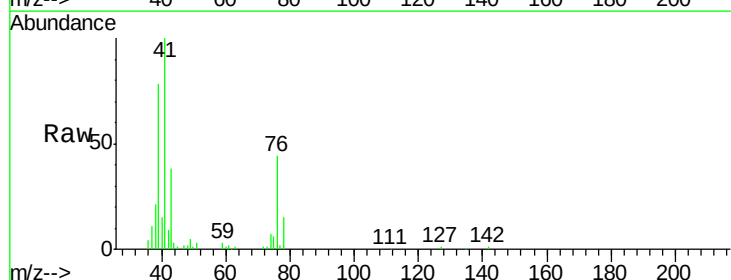
Manual Integrations
APPROVED

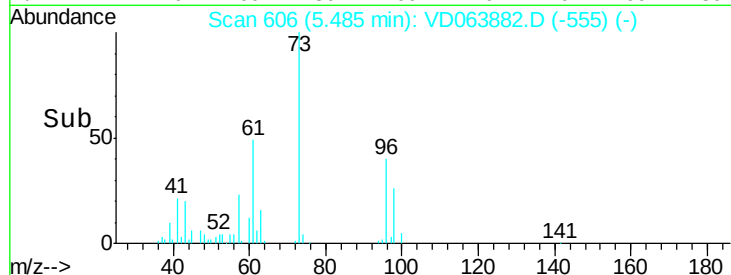
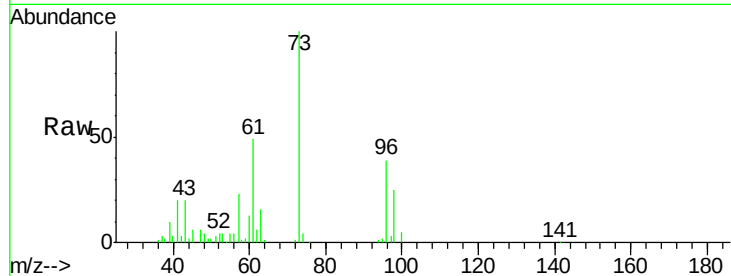
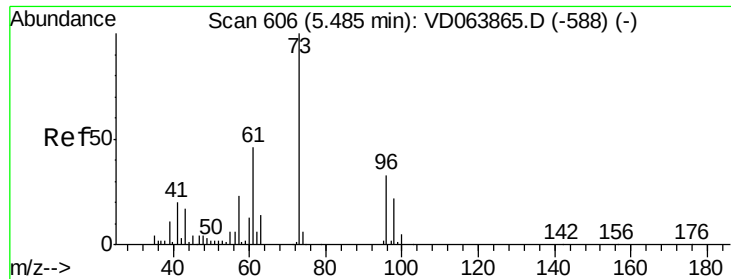
MMDadoda
10/4/2019 4:31:43 PM



#18
Methyl Acetate
Concen: 46.416 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.8	31.2





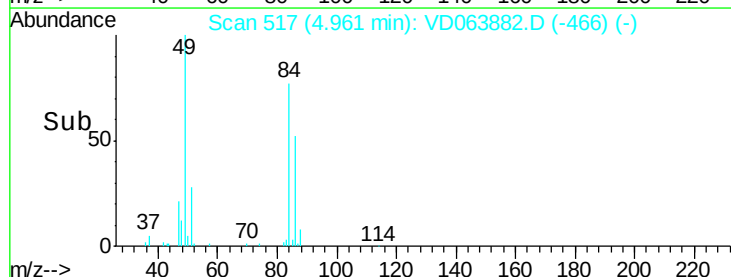
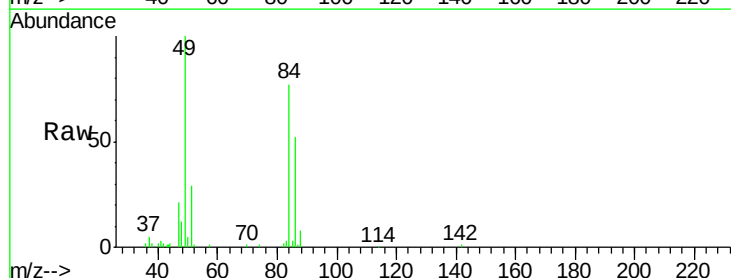
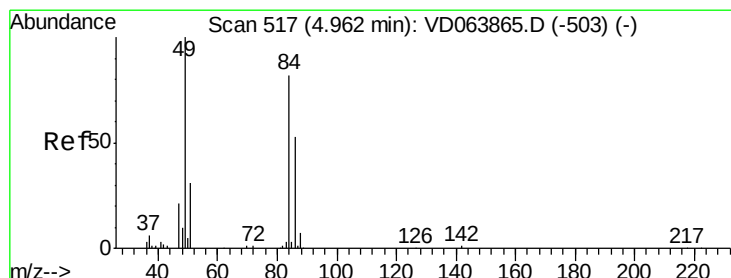
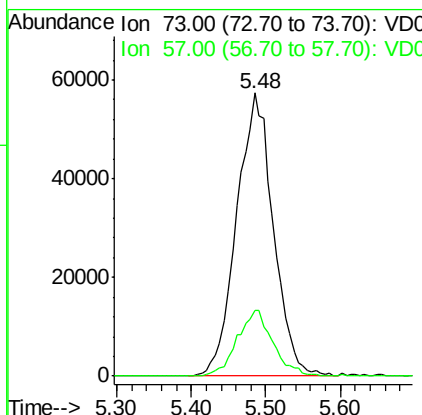
#19
Methyl tert-butyl Ether
Concen: 45.460 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tot Ion: 73 Resp: 195439
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

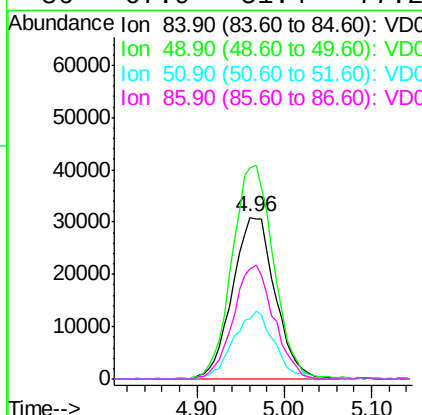
Manual Integrations
APPROVED

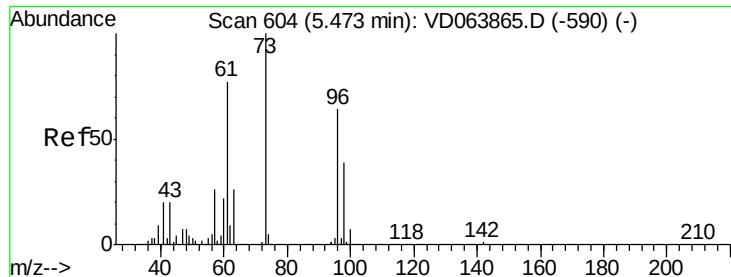
MMDadoda
10/4/2019 4:31:43 PM



#20
Methylene Chloride
Concen: 45.717 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 84 Resp: 102434
Ion Ratio Lower Upper
84 100
49 130.5 97.3 145.9
51 37.5 30.1 45.1
86 67.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.565 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

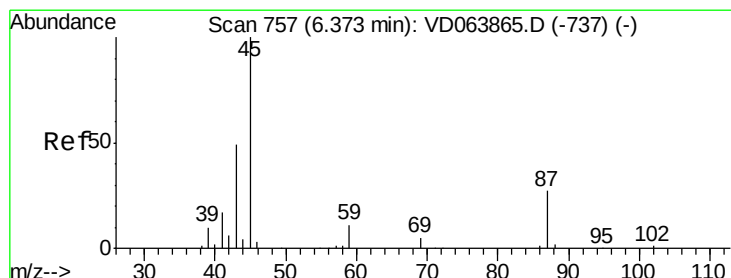
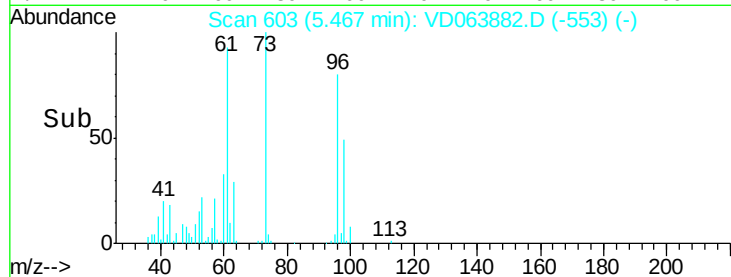
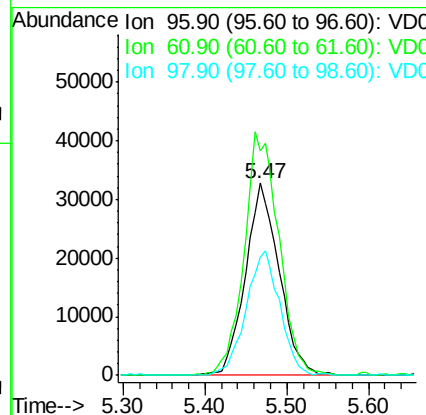
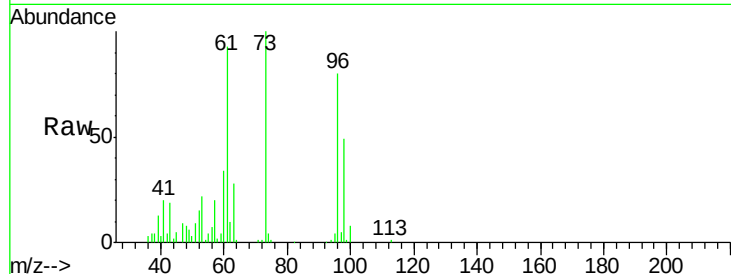
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	94173
Ion	Ratio	Lower	Upper
96	100		
61	116.8	96.6	145.0
98	61.3	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#22

Diisopropyl ether

Concen: 47.328 ug/l

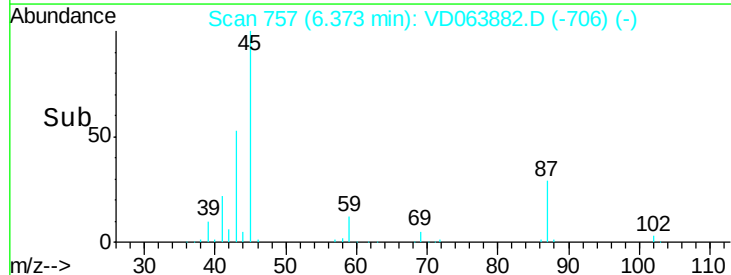
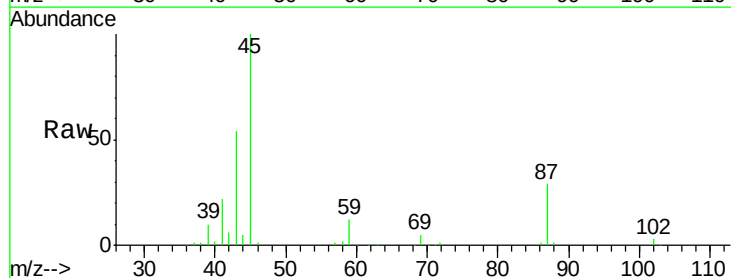
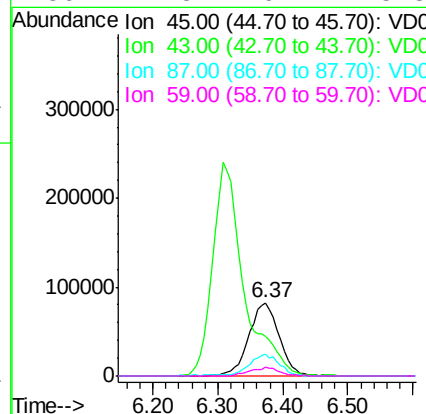
RT: 6.37 min Scan# 757

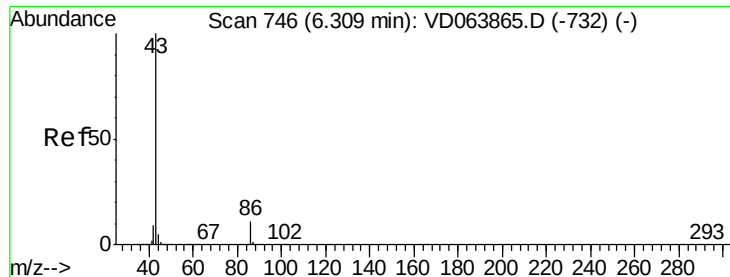
Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	45	Resp:	266803
Ion	Ratio	Lower	Upper
45	100		
43	52.9	41.2	61.8
87	29.0	22.2	33.4
59	12.3	9.2	13.8





#23

Vinyl Acetate

Concen: 238.155 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 798670

Ion Ratio Lower Upper

43 100

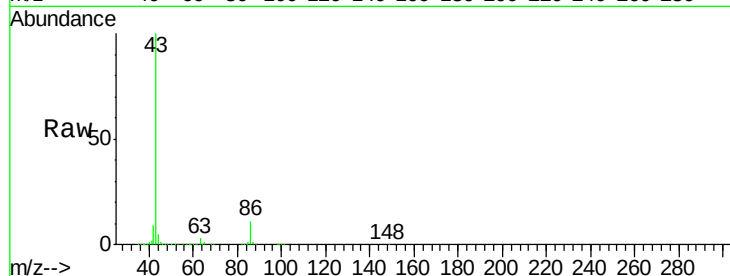
86 11.0 8.8 13.2

Manual Integrations

APPROVED

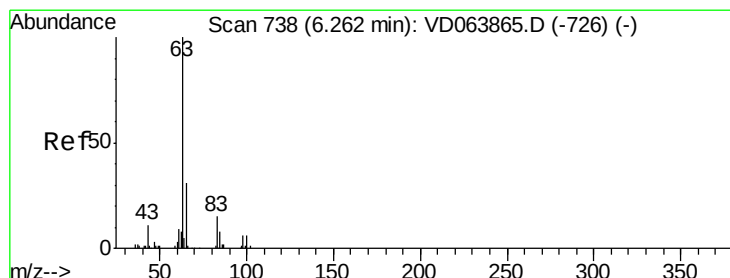
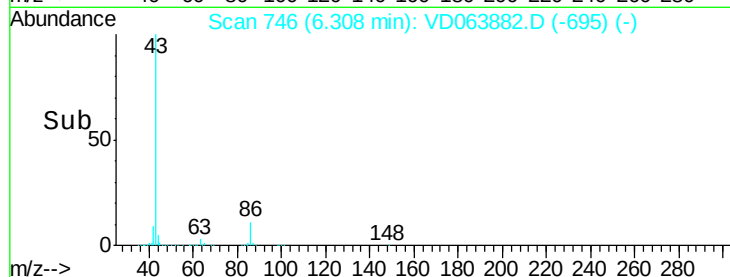
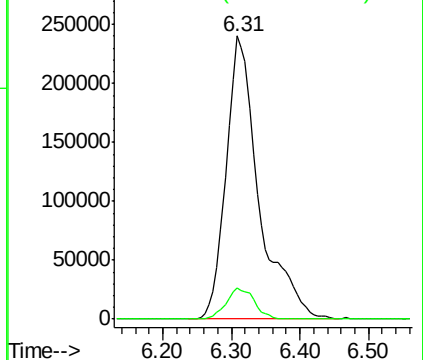
MMDadoda

10/4/2019 4:31:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.866 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

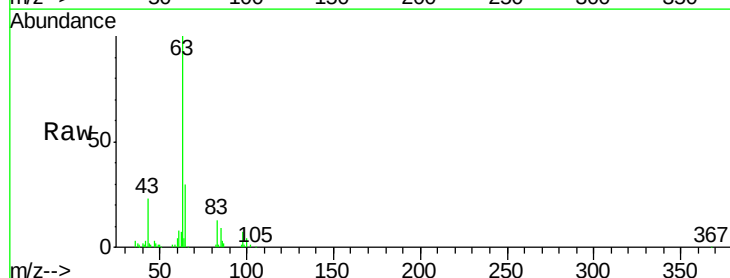
Tgt Ion: 63 Resp: 162736

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

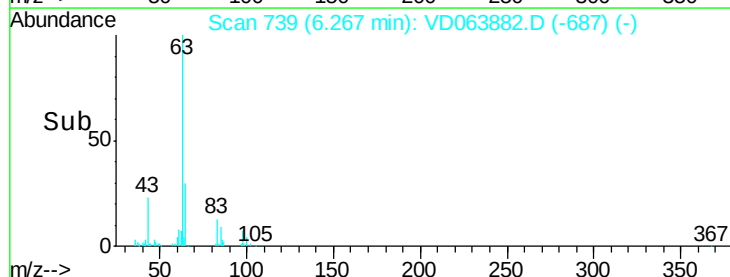
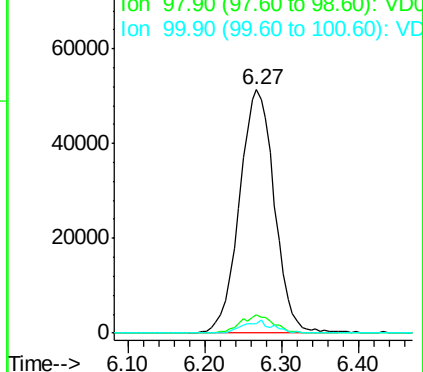
100 3.9 3.0 9.2

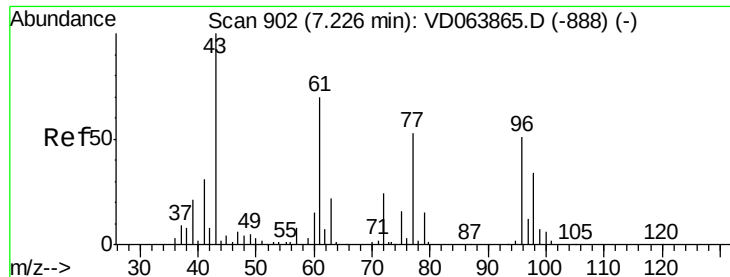


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 222.033 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 132128

Ion Ratio Lower Upper

43 100

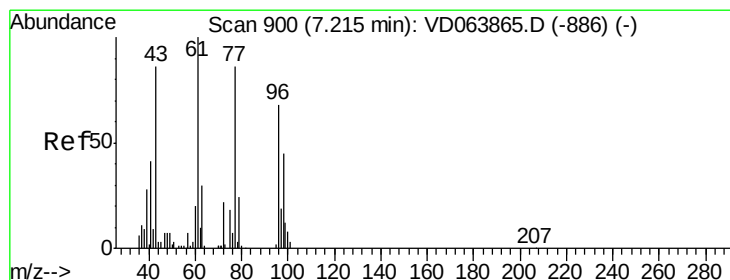
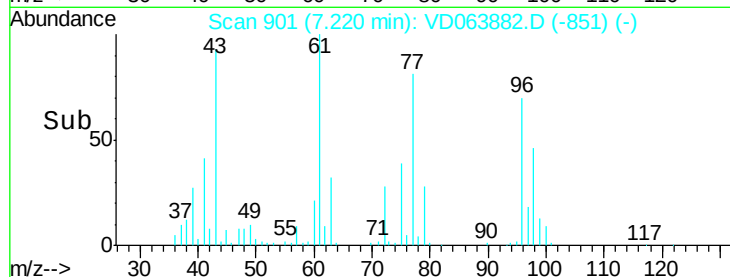
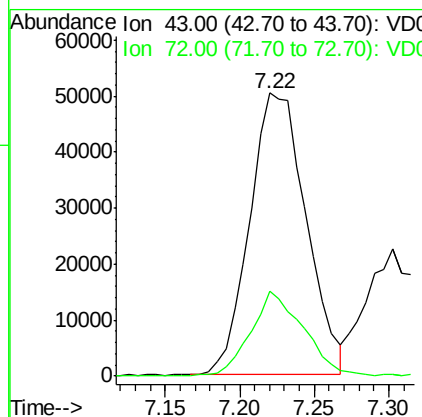
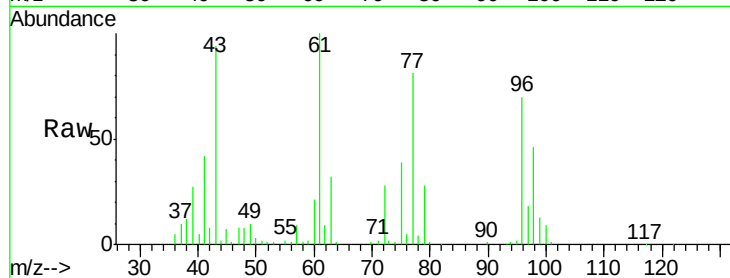
72 30.0 19.2 28.8#

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:43 PM



#26

2,2-Dichloropropane

Concen: 45.548 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063882.D

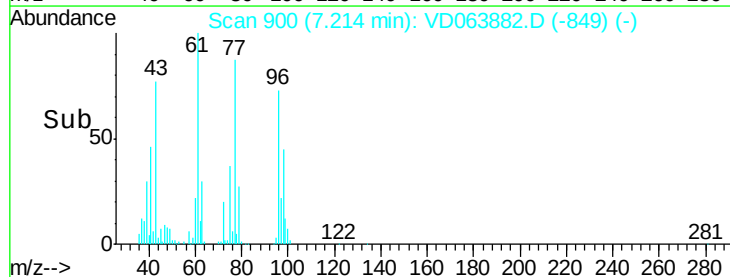
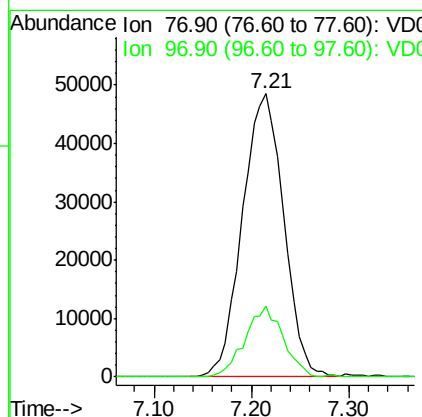
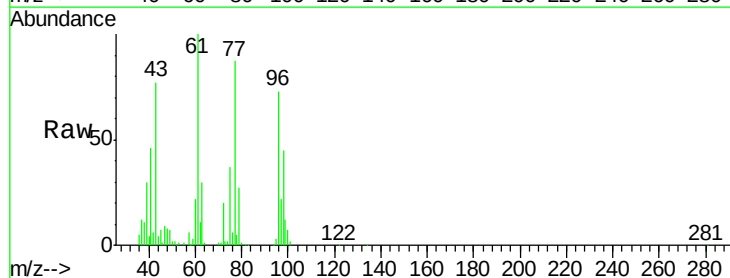
Acq: 03 Oct 2019 18:16

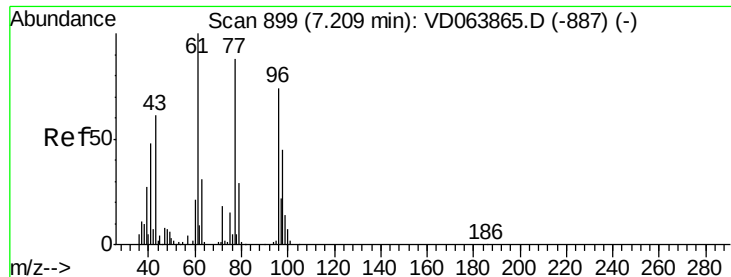
Tgt Ion: 77 Resp: 143070

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

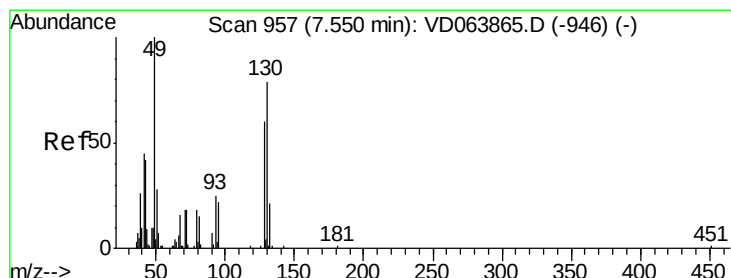
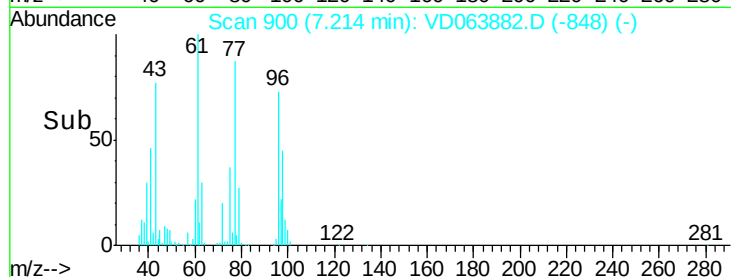
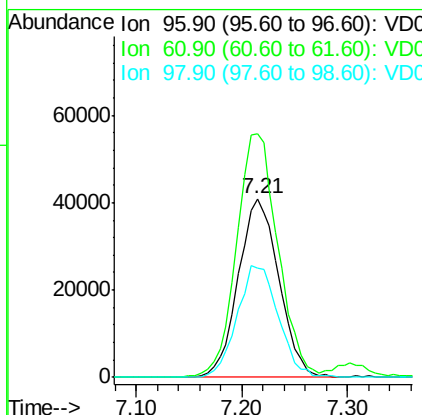
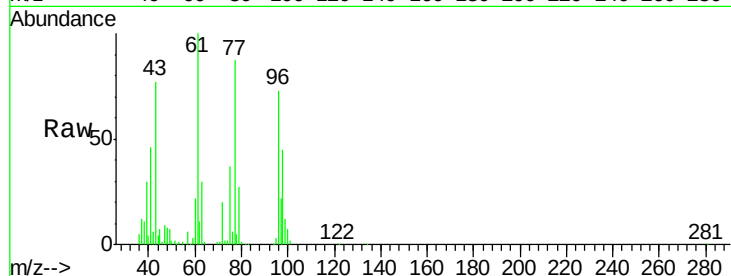
cis-1,2-Dichloroethene
Concen: 46.611 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	280.0
98	63.5	0.0	130.4

Manual Integrations
APPROVED

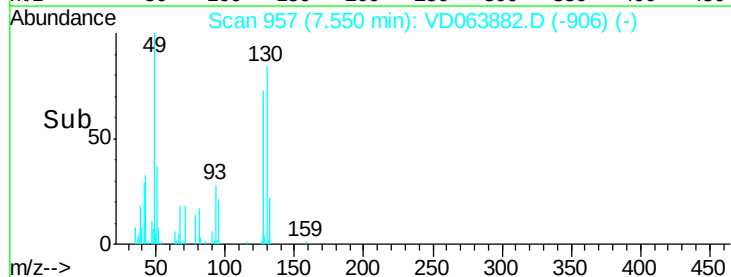
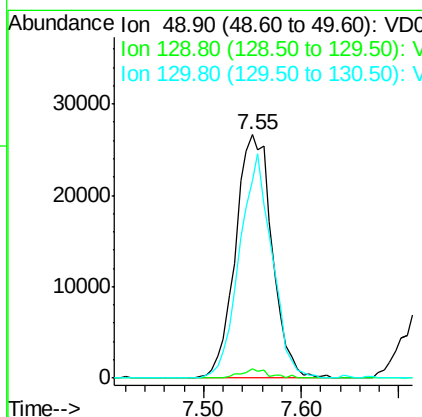
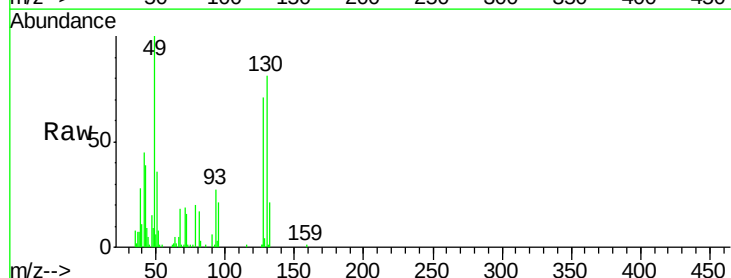
MMDadoda
10/4/2019 4:31:43 PM

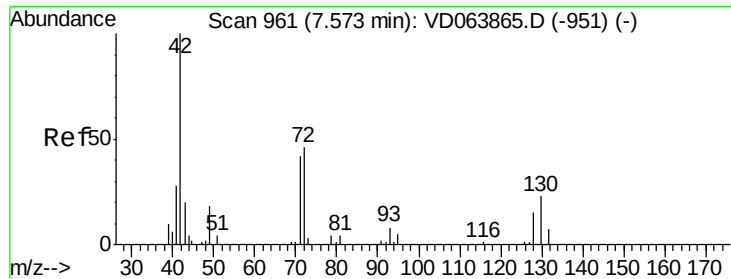


#28

Bromochloromethane
Concen: 52.408 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	82.1	66.8	100.2





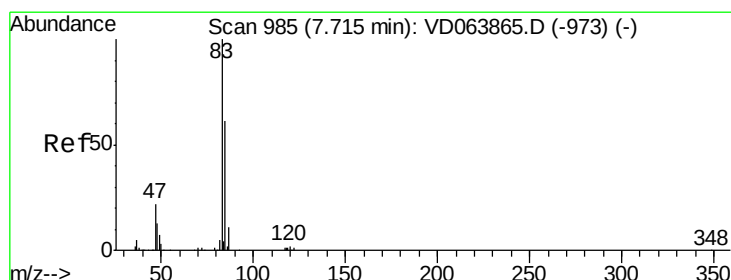
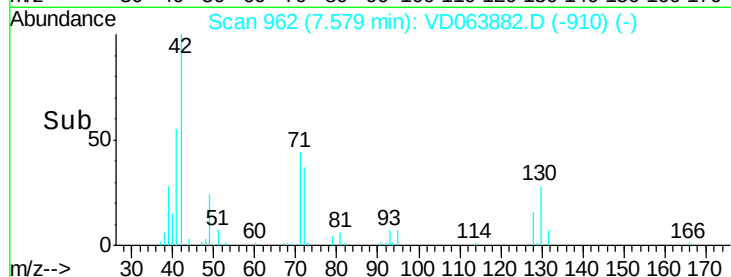
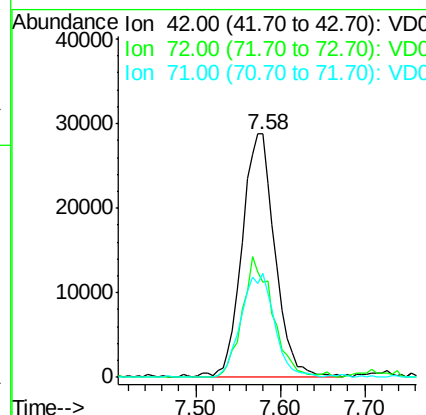
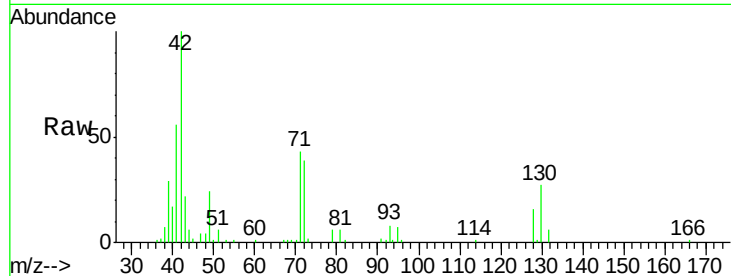
#29
Tetrahydrofuran
Concen: 224.101 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.6	56.4
71	43.0	35.0	52.6

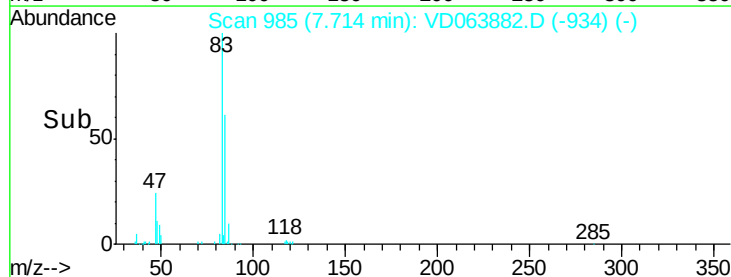
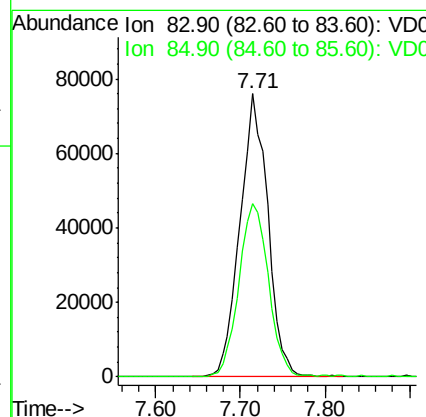
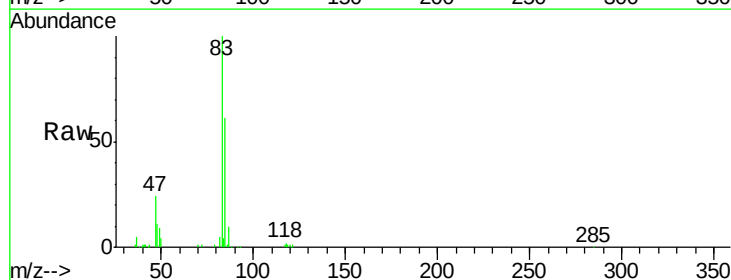
Manual Integrations
APPROVED

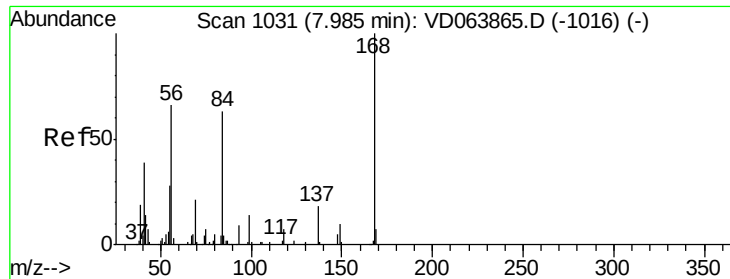
MMDadoda
10/4/2019 4:31:43 PM



#30
Chloroform
Concen: 46.040 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	48.9	73.3





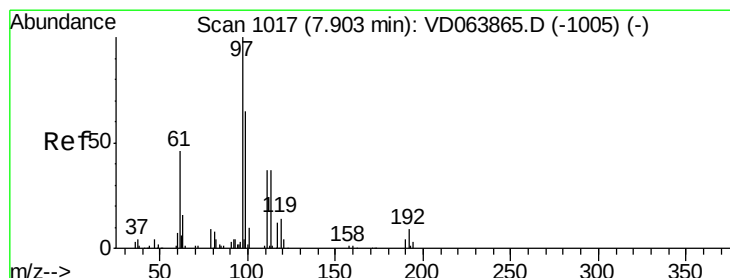
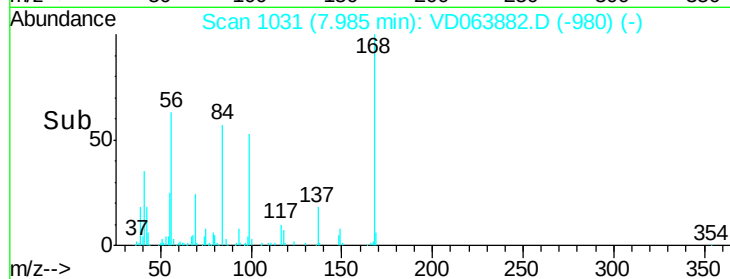
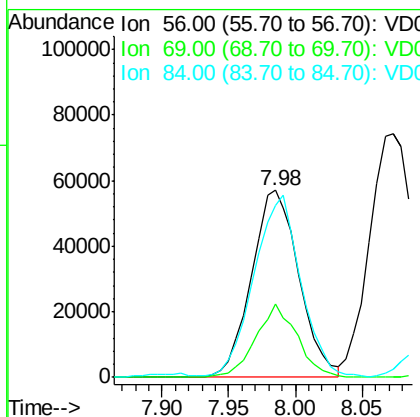
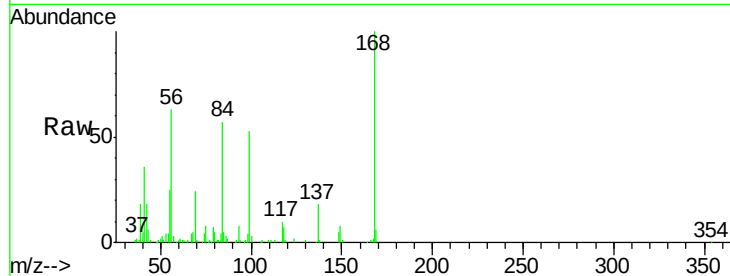
#31
Cyclohexane
Concen: 48.985 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.0	37.4#
84	90.4	76.3	114.5

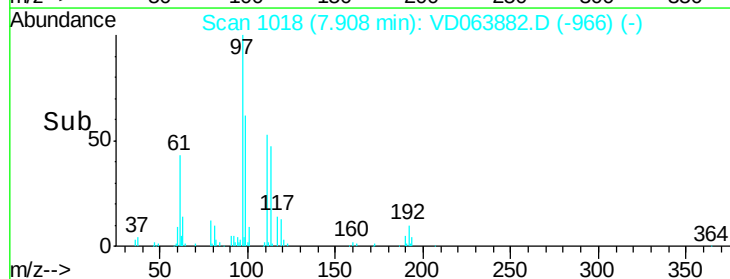
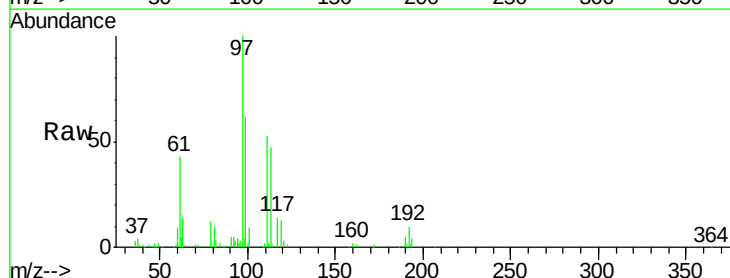
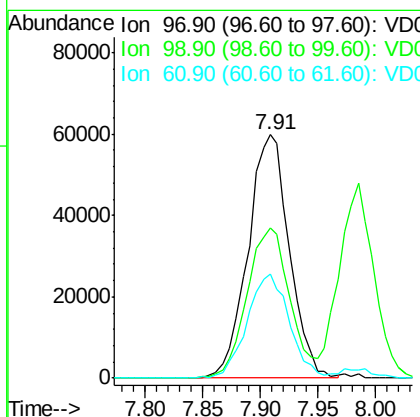
Manual Integrations
APPROVED

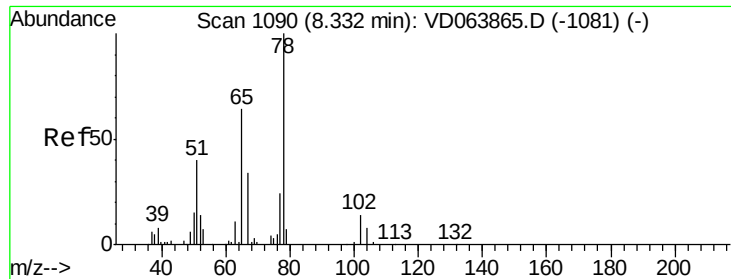
MMDadoda
10/4/2019 4:31:43 PM



#32
1,1,1-Trichloroethane
Concen: 46.170 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	43.6	33.8	50.8





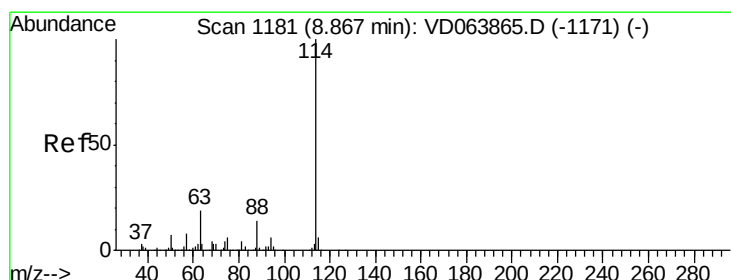
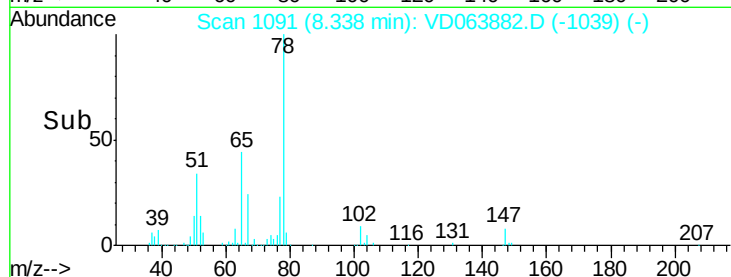
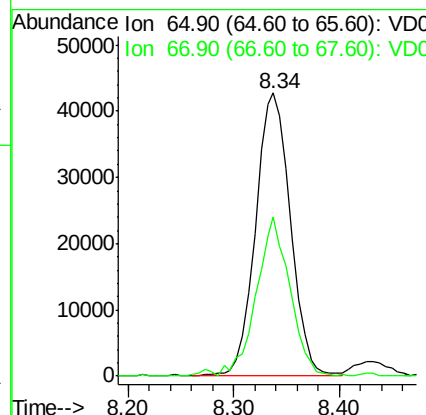
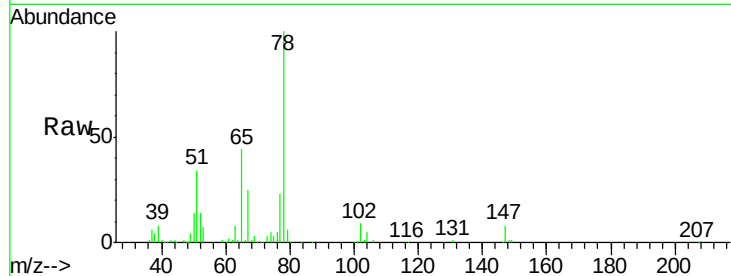
#33
 1,2-Dichloroethane-d4
 Concen: 50.759 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.4

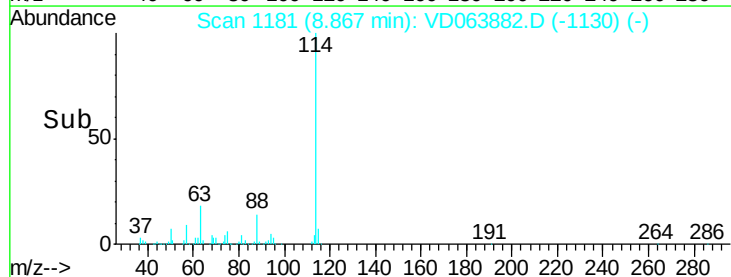
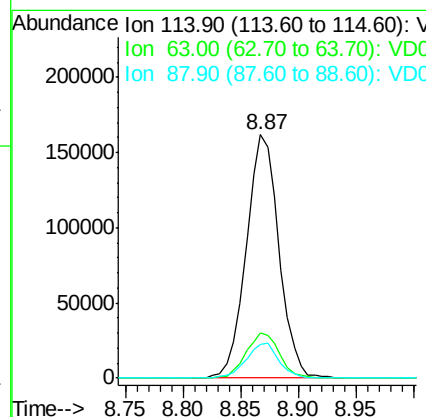
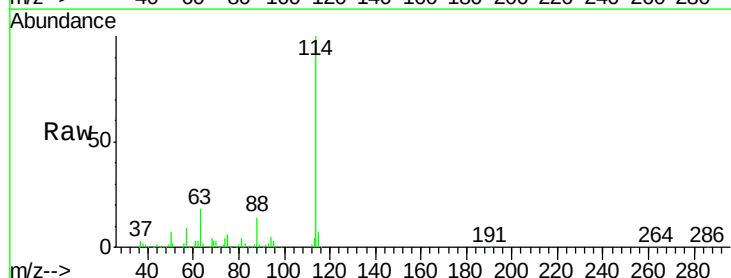
Manual Integrations
 APPROVED

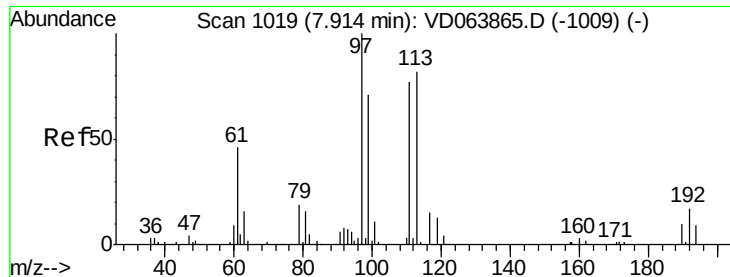
MMDadoda
 10/4/2019 4:31:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	13.9	0.0	27.4





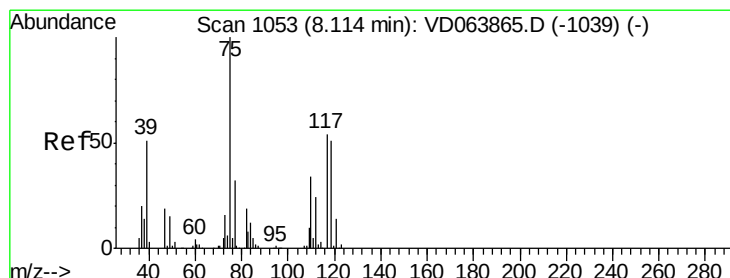
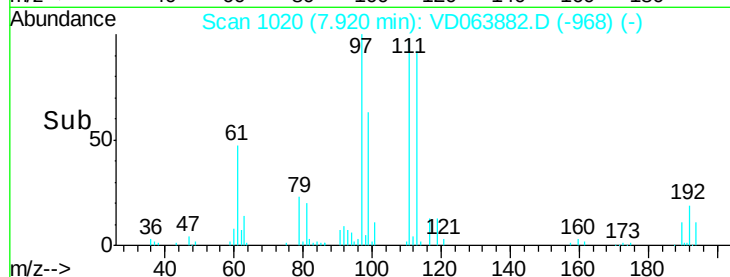
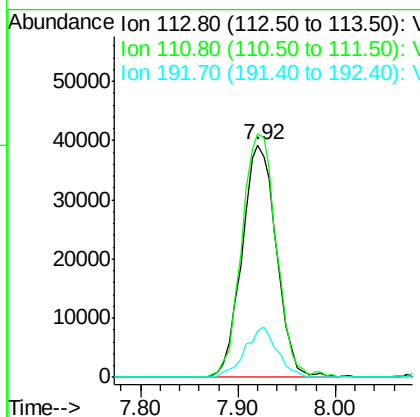
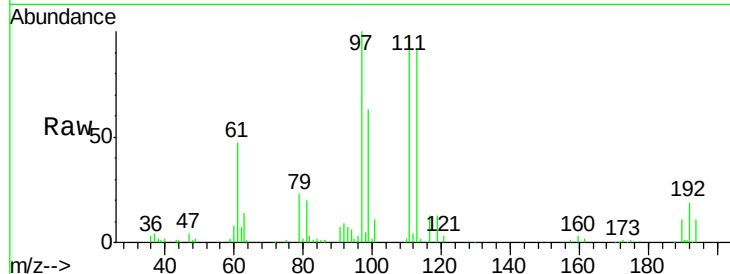
#35
 Dibromofluoromethane
 Concen: 49.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.6	123.8
192	20.5	17.1	25.7

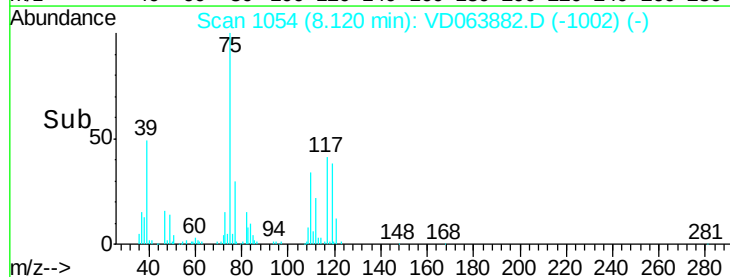
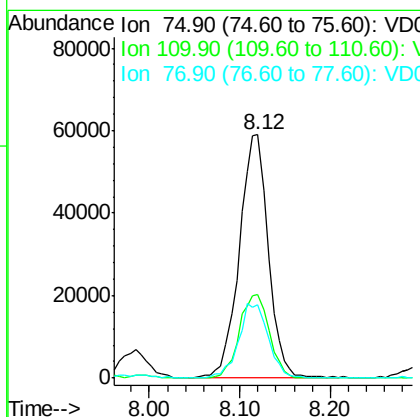
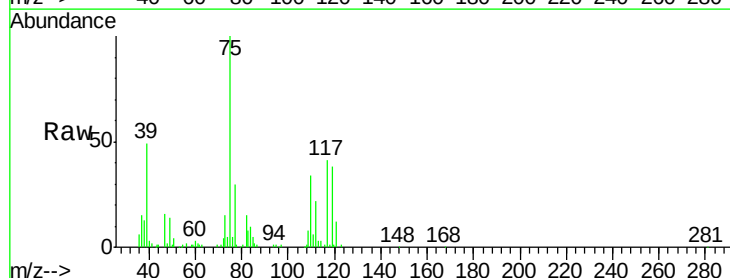
Manual Integrations
 APPROVED

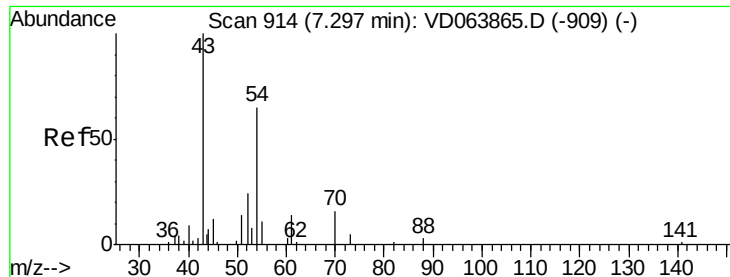
MMDadoda
 10/4/2019 4:31:43 PM



#36
 1,1-Dichloropropene
 Concen: 45.154 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.4	52.3
77	31.4	25.4	38.0





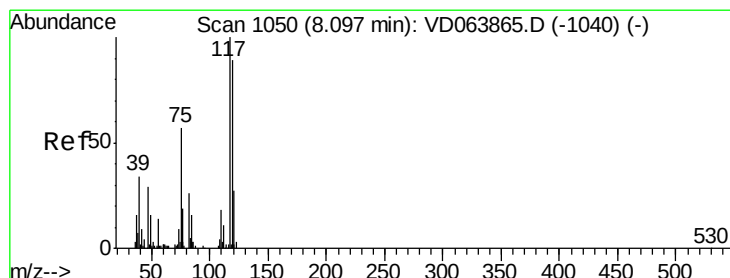
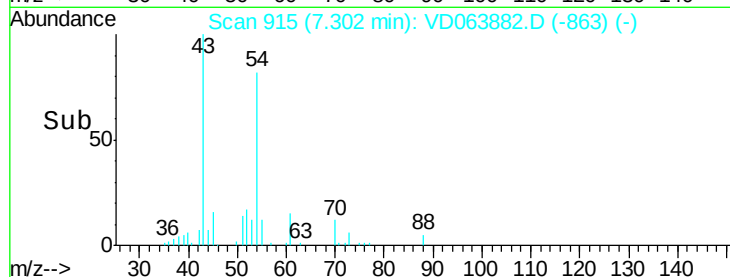
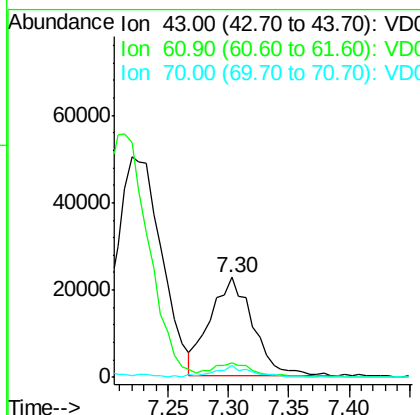
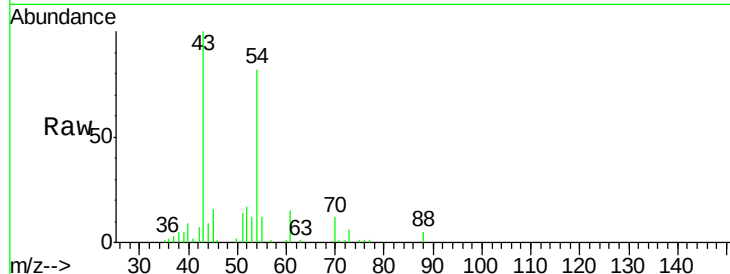
#37
Ethyl Acetate
Concen: 47.176 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	10.2	8.2	12.4

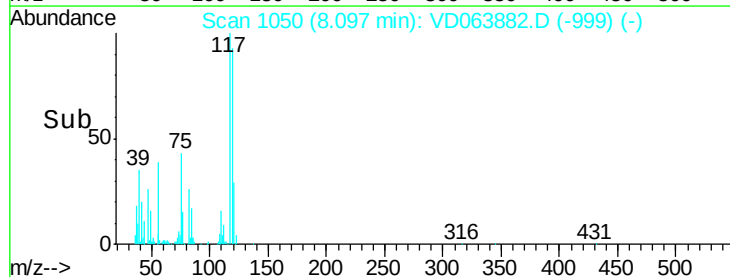
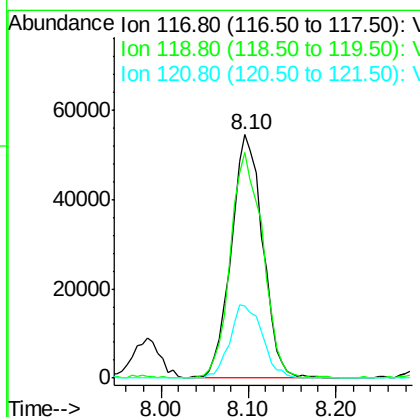
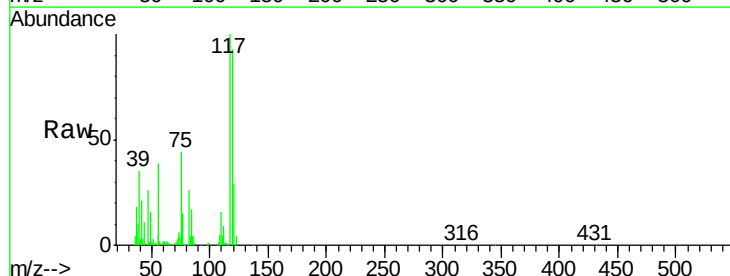
Manual Integrations
APPROVED

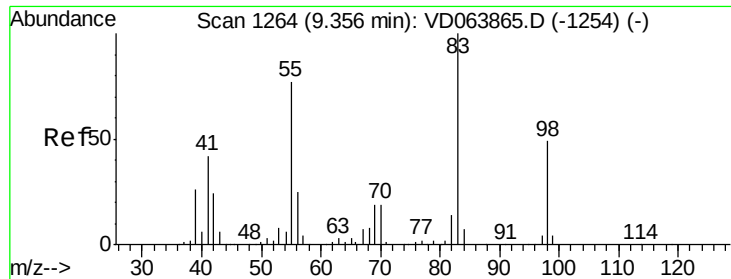
MMDadoda
10/4/2019 4:31:43 PM



#38
Carbon Tetrachloride
Concen: 45.410 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	70.8	106.2
121	29.5	21.4	32.0





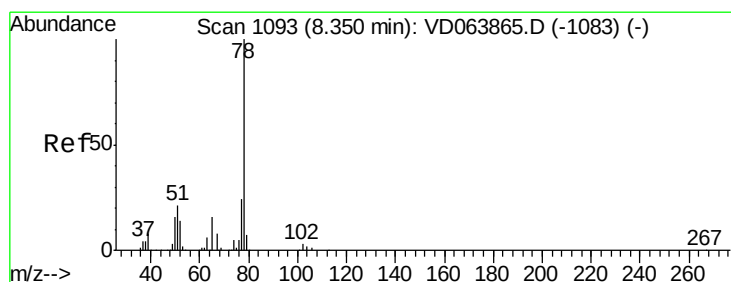
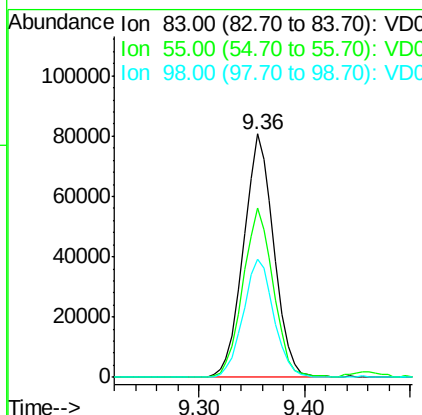
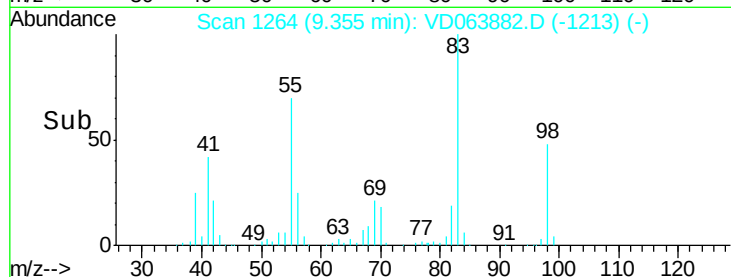
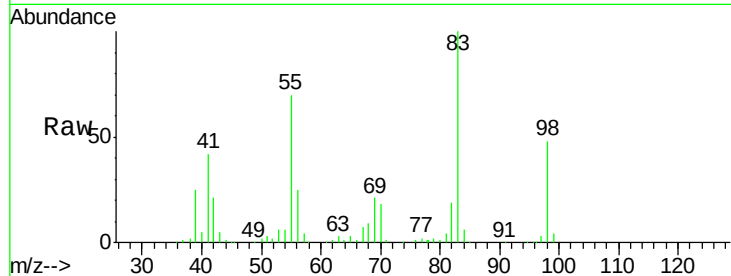
#39
Methylvlcyclohexane
Concen: 45.040 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	161008
Ion Ratio	Lower	Upper	
83	100		
55	69.6	61.3	91.9
98	48.4	39.3	58.9

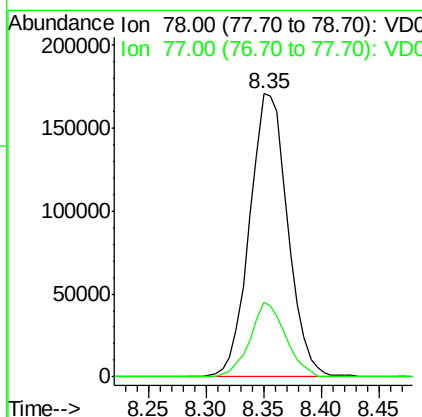
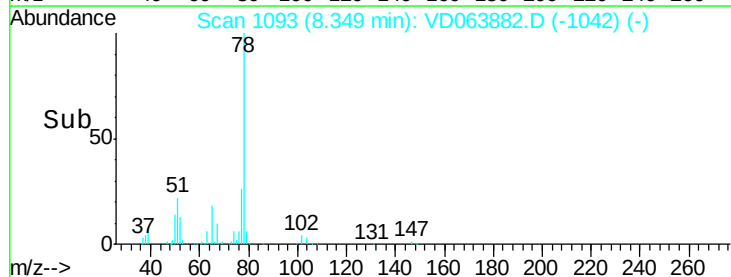
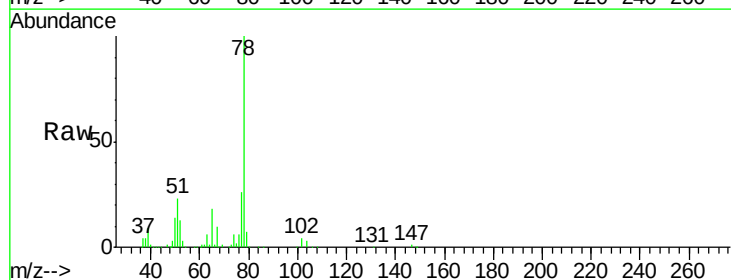
Manual Integrations
APPROVED

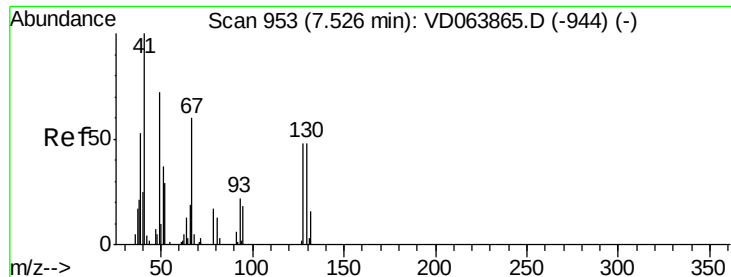
MMDadoda
10/4/2019 4:31:43 PM



#40
Benzene
Concen: 47.092 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	78	Resp	392363
Ion Ratio	Lower	Upper	
78	100		
77	26.3	19.0	28.6





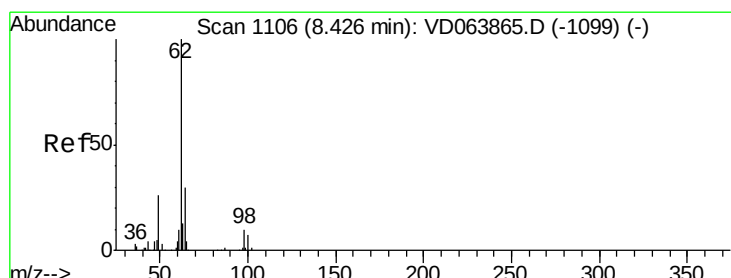
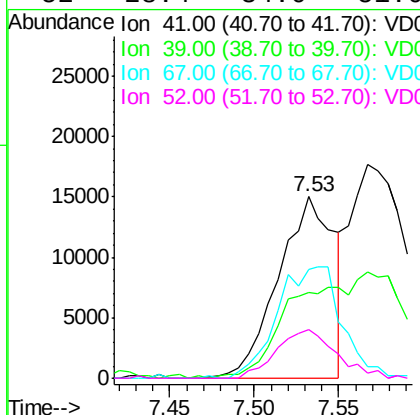
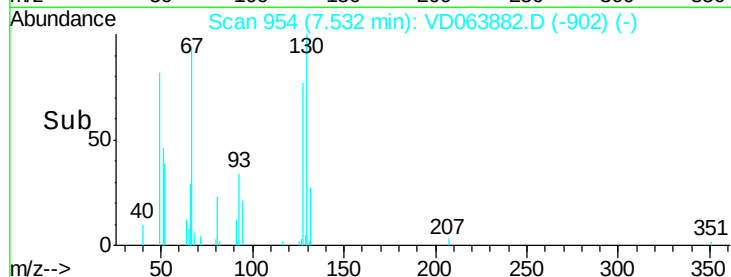
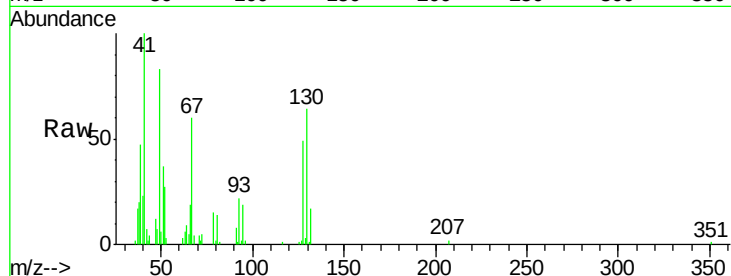
#41
Methacrylonitrile
Concen: 51.224 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.6	78.8#
67	70.9	74.2	111.2#
52	28.4	34.0	51.0#

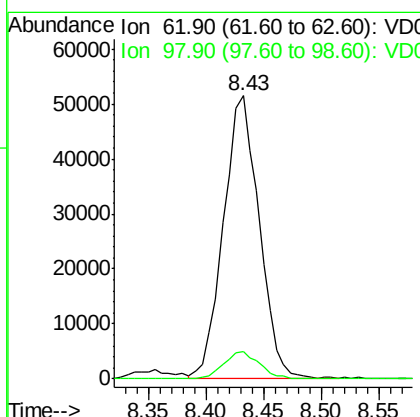
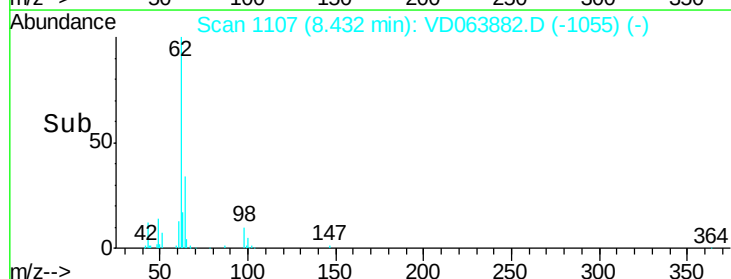
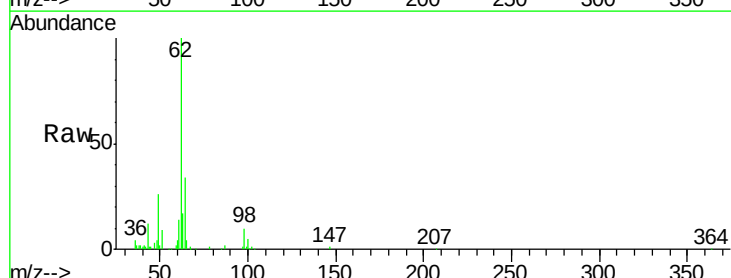
Manual Integrations
APPROVED

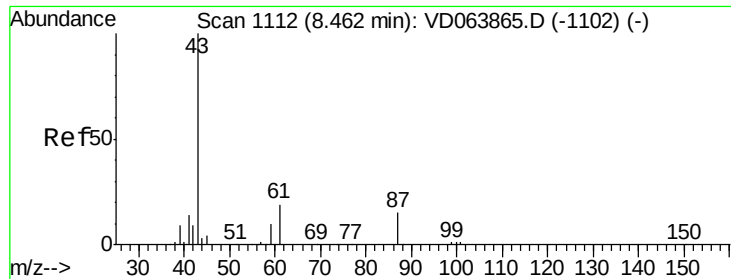
MMDadoda
10/4/2019 4:31:43 PM



#42
1,2-Dichloroethane
Concen: 45.911 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 45.823 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

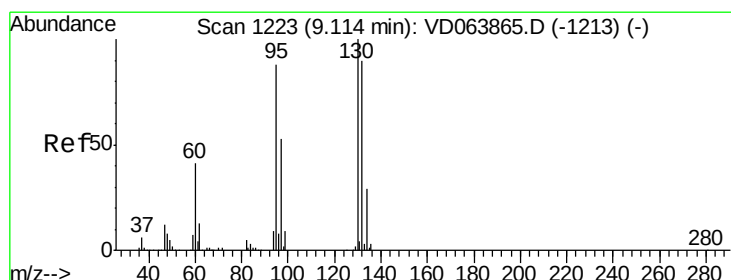
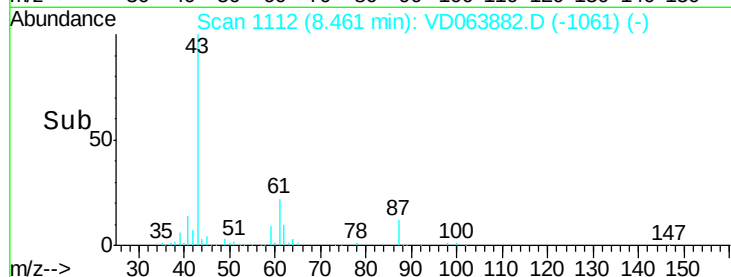
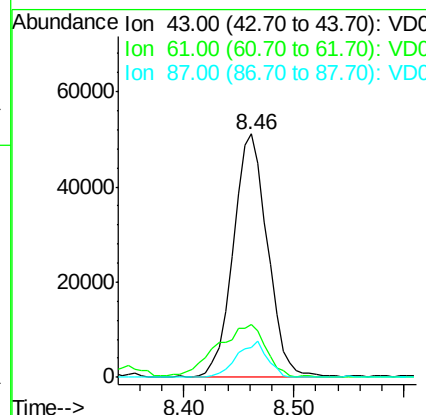
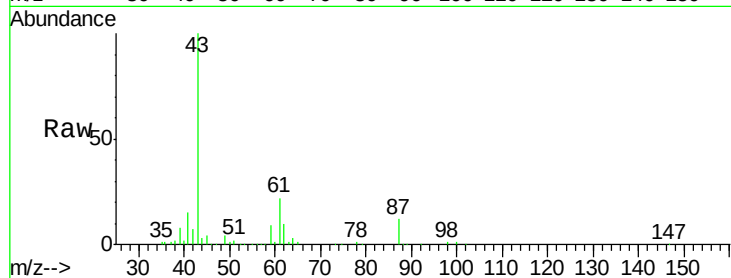
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	111727
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.7	38.5
87	13.5	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#44

Trichloroethene

Concen: 45.262 ug/l

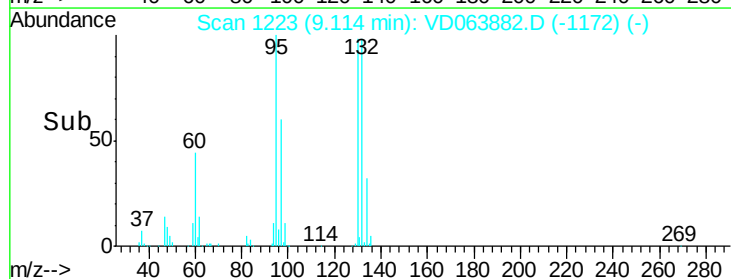
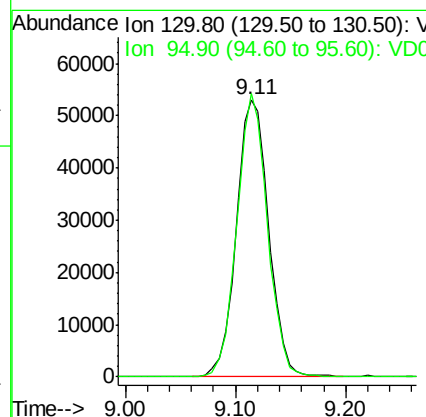
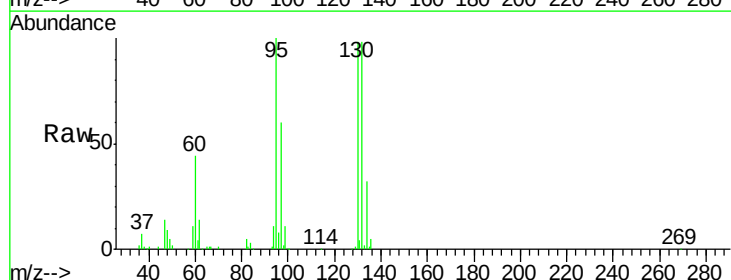
RT: 9.11 min Scan# 1223

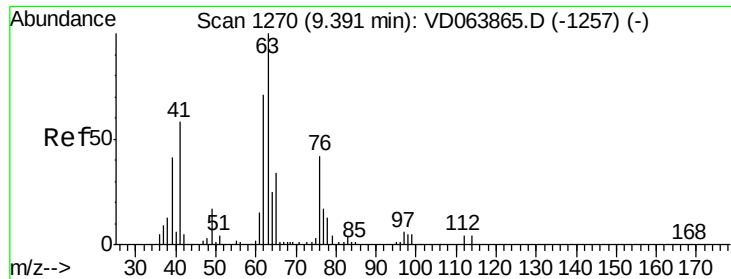
Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	130	Resp:	108744
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	175.6





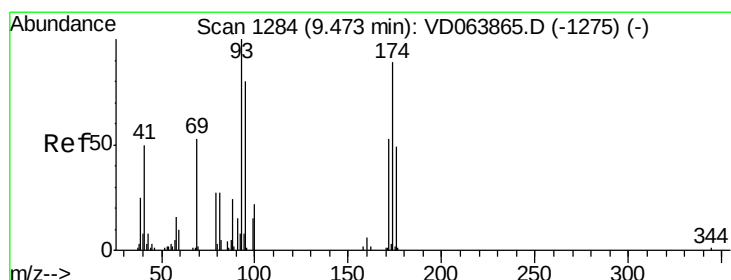
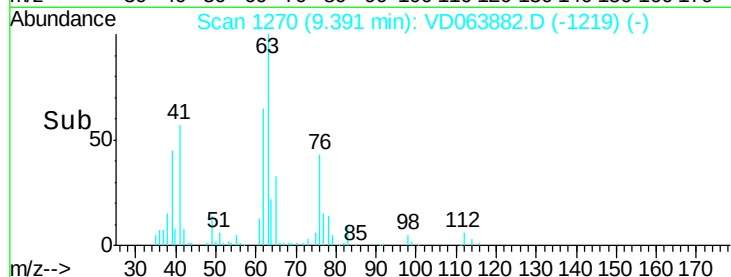
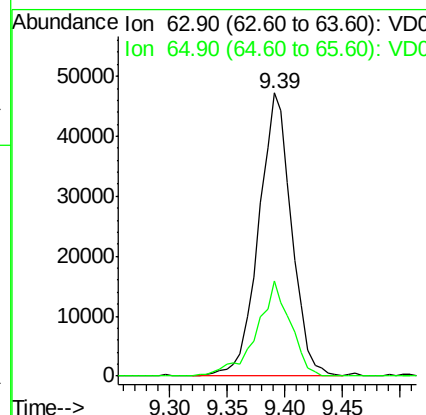
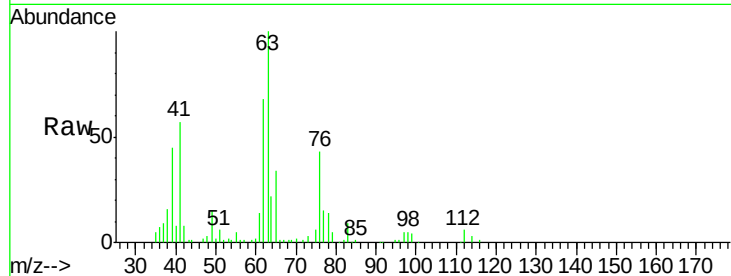
#45
 1,2-Dichloropropane
 Concen: 45.912 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.8	27.3	40.9

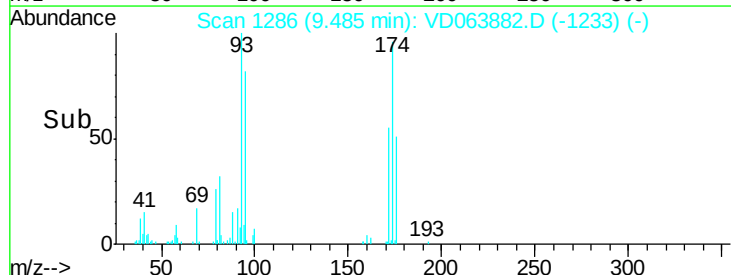
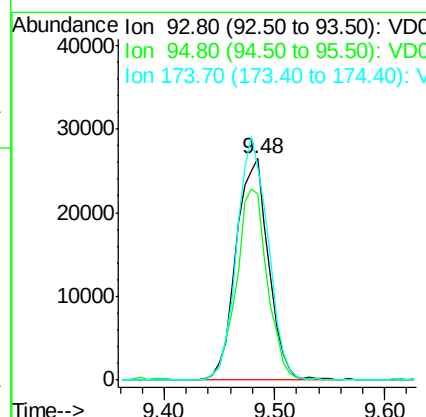
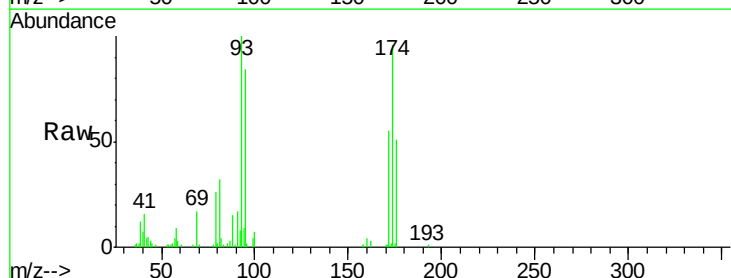
Manual Integrations
 APPROVED

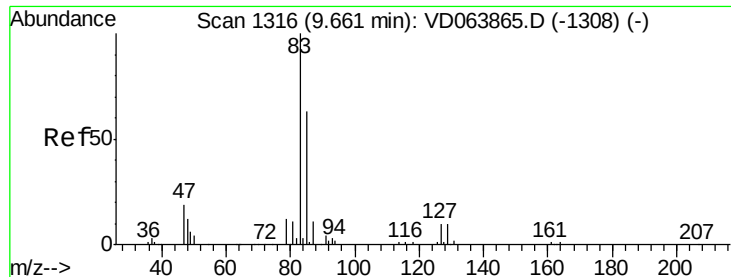
MMDadoda
 10/4/2019 4:31:43 PM



#46
 Dibromomethane
 Concen: 47.166 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.0	99.0
174	105.6	83.4	125.0





#47

Bromodichloromethane

Concen: 46.450 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

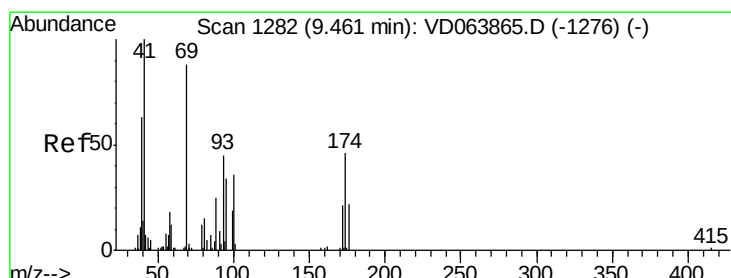
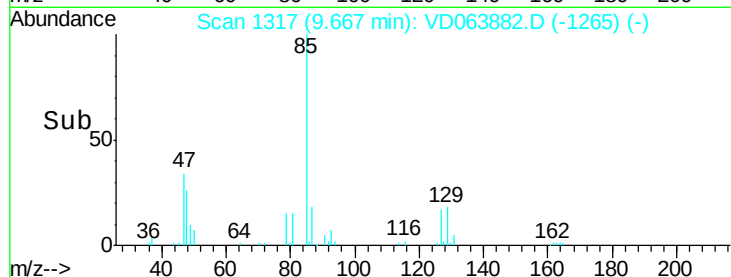
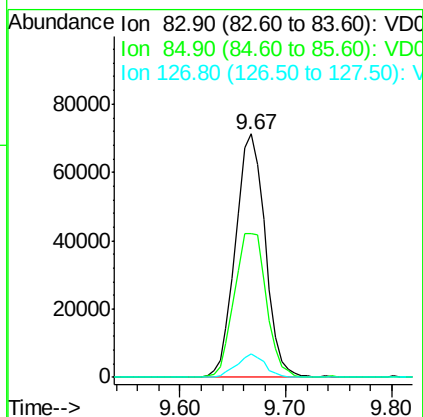
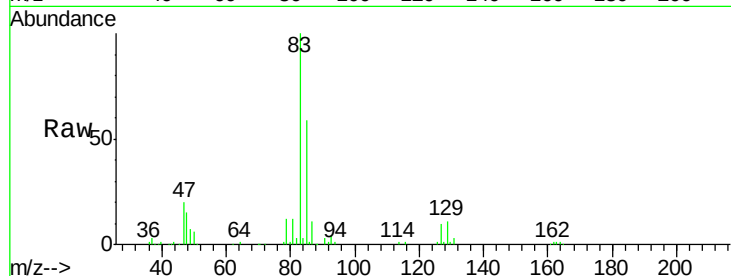
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	138895
Ion	Ratio	Lower	Upper
83	100		
85	59.1	50.2	75.2
127	9.9	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#48

Methyl methacrylate

Concen: 44.483 ug/l

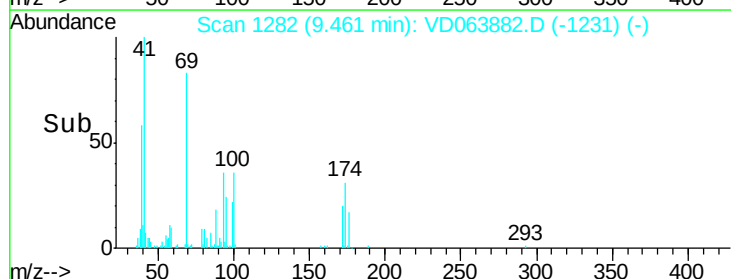
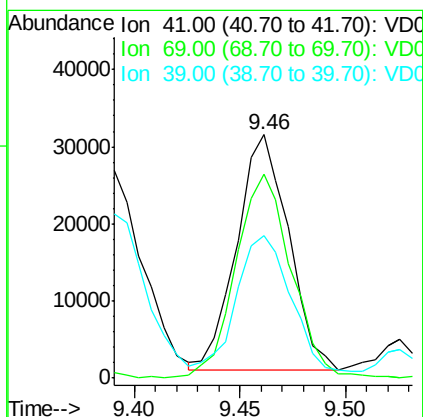
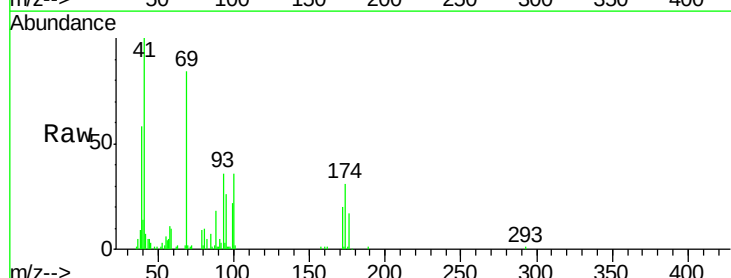
RT: 9.46 min Scan# 1282

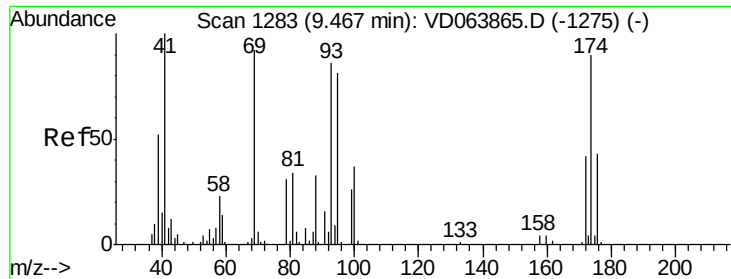
Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	41	Resp:	51967
Ion	Ratio	Lower	Upper
41	100		
69	92.9	75.1	112.7
39	66.3	50.2	75.2





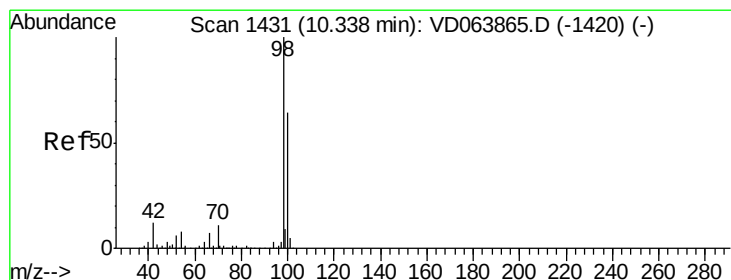
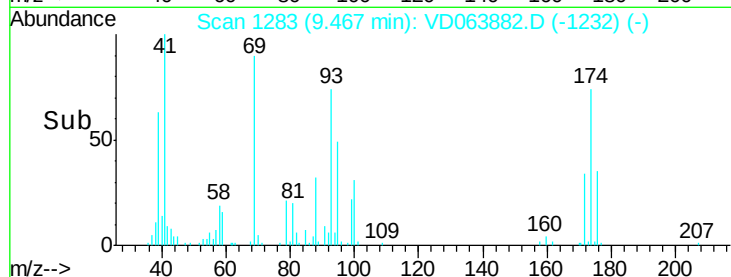
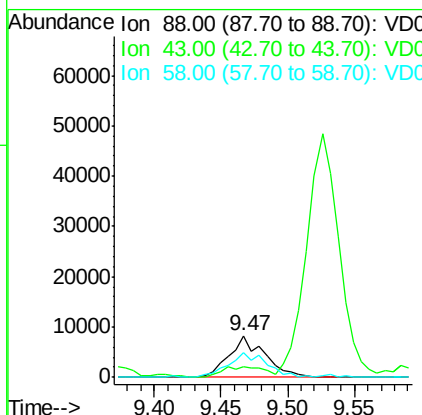
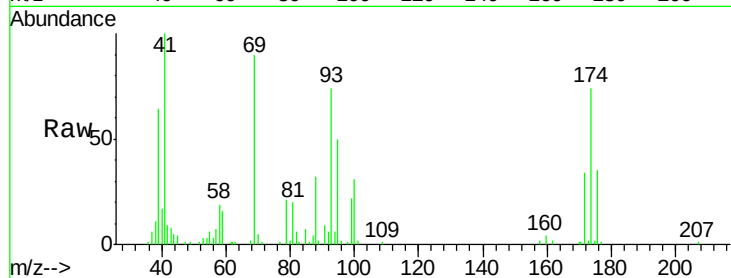
#49
1,4-Dioxane
Concen: 977.082 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15490
Ion	Ratio	Lower	Upper
88	100		
43	31.3	27.6	41.4
58	63.4	54.1	81.1

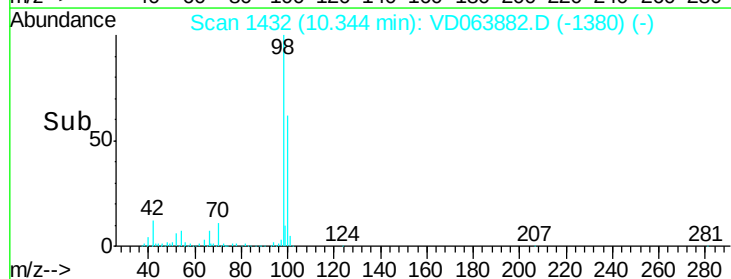
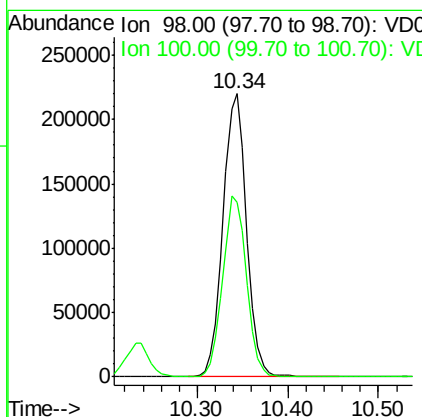
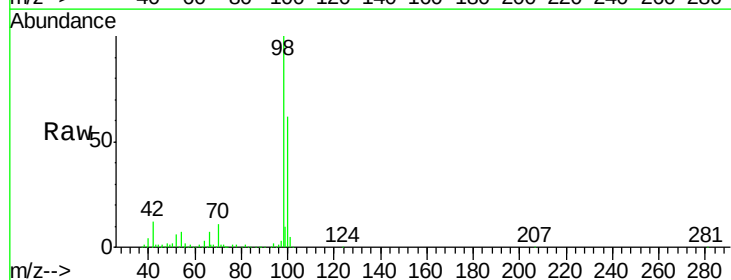
Manual Integrations
APPROVED

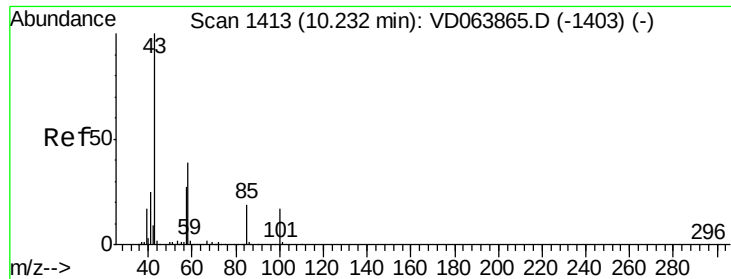
MMDadoda
10/4/2019 4:31:43 PM



#50
Toluene-d8
Concen: 50.075 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	98	Resp	394972
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1





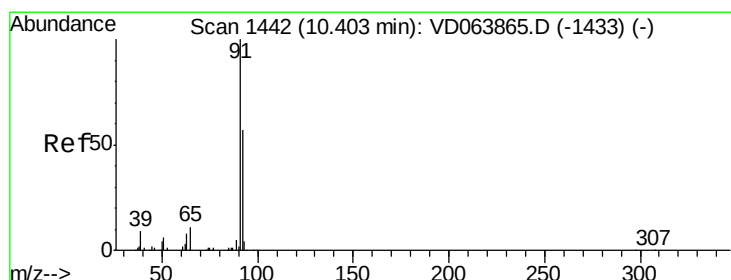
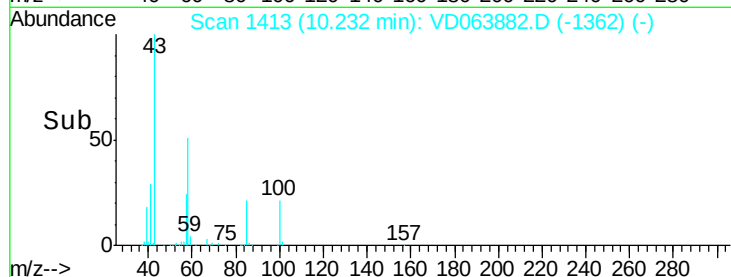
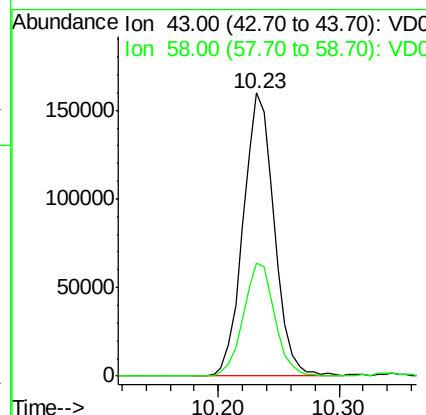
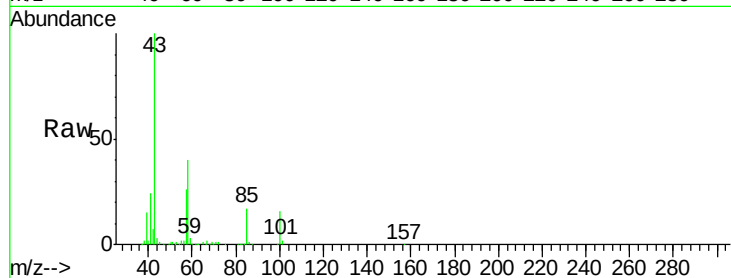
#51
4-Methyl-2-Pentanone
Concen: 226.236 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 286083
Ion Ratio Lower Upper
43 100
58 40.6 33.0 49.4

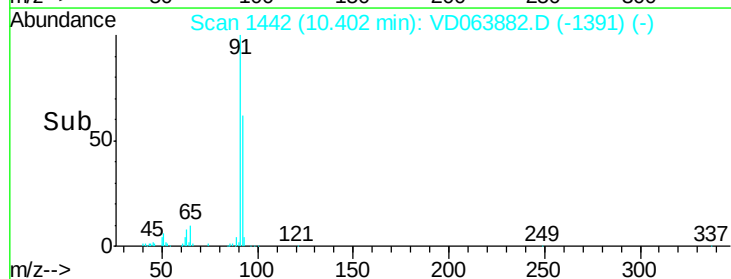
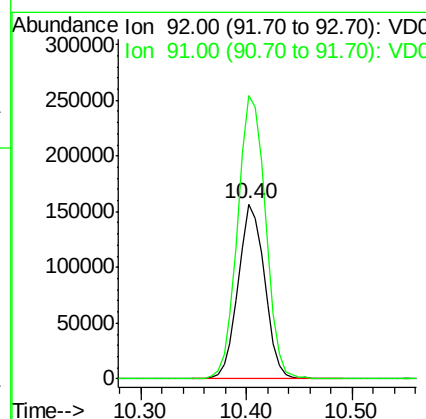
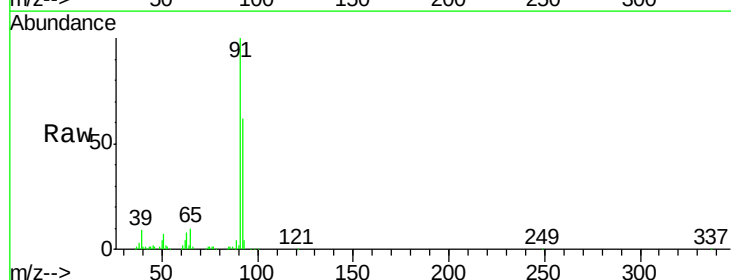
Manual Integrations
APPROVED

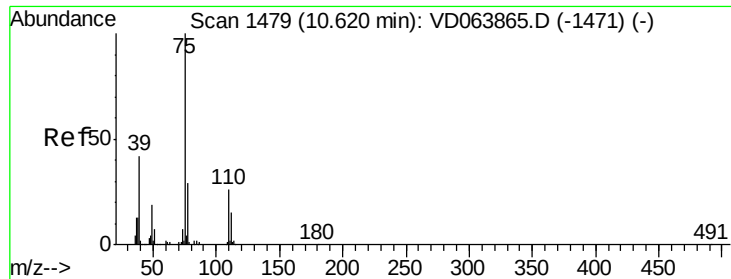
MMDadoda
10/4/2019 4:31:43 PM



#52
Toluene
Concen: 47.423 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 92 Resp: 271239
Ion Ratio Lower Upper
92 100
91 170.9 139.5 209.3





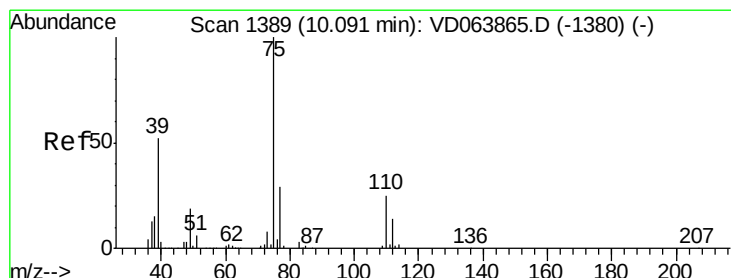
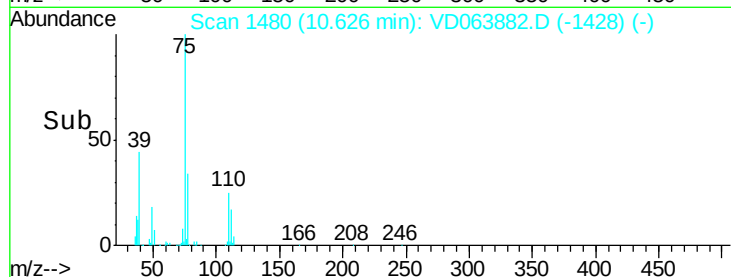
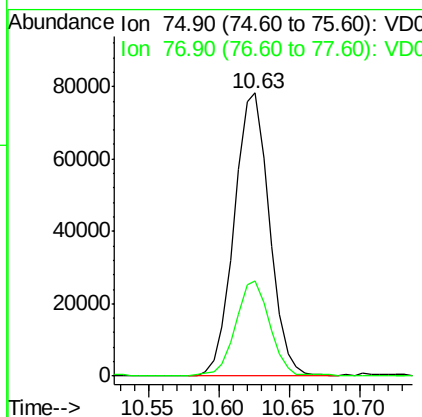
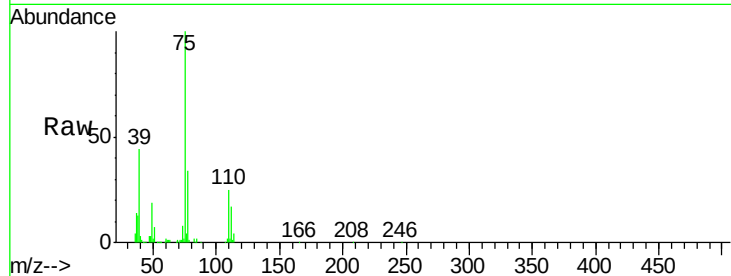
#53
 t-1,3-Dichloropropene
 Concen: 46.691 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	136240
Ion Ratio	Lower	Upper	
75	100		
77	33.5	22.8	34.2

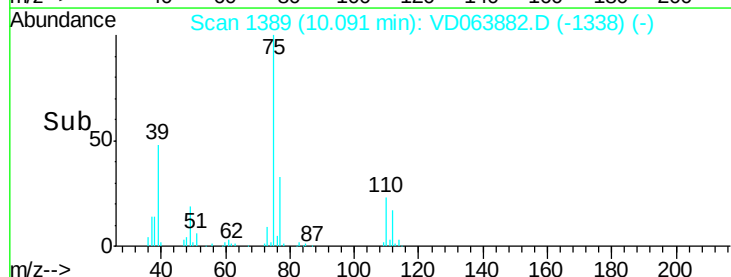
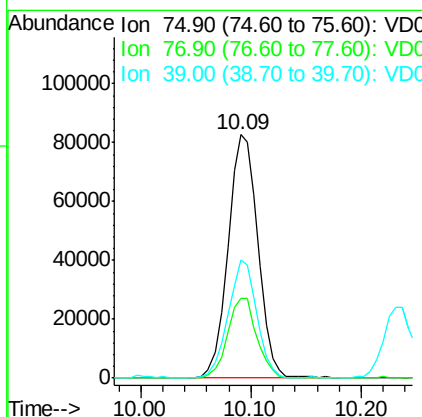
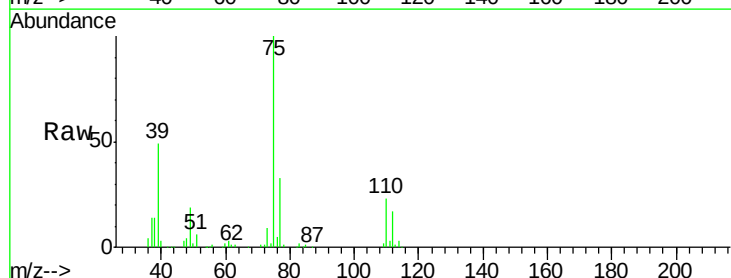
Manual Integrations
 APPROVED

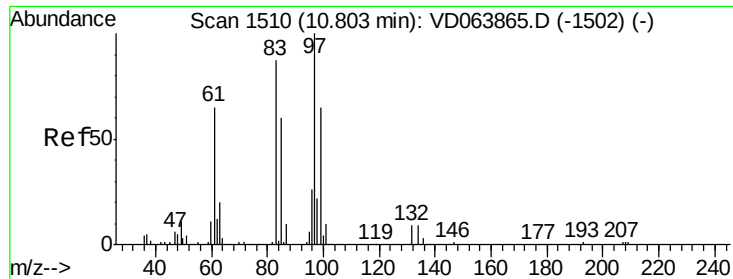
MMDadoda
 10/4/2019 4:31:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 46.584 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	75	Resp	156467
Ion Ratio	Lower	Upper	
75	100		
77	33.0	23.2	34.8
39	48.8	41.5	62.3





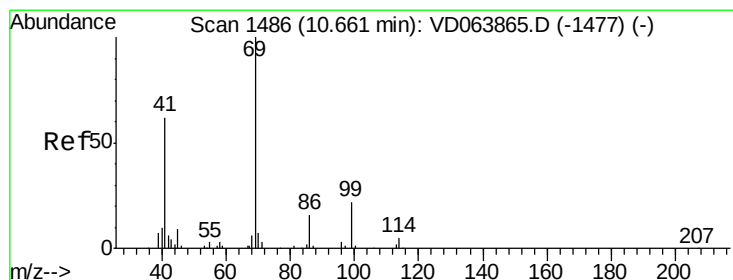
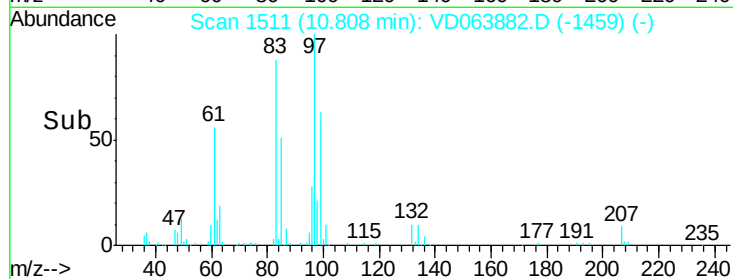
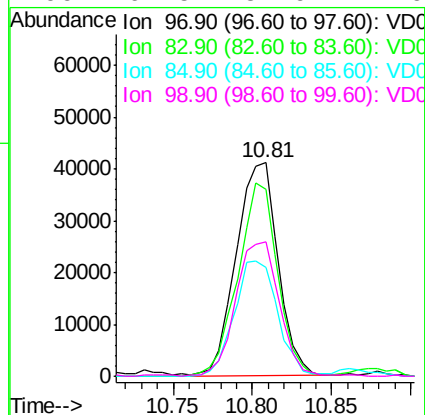
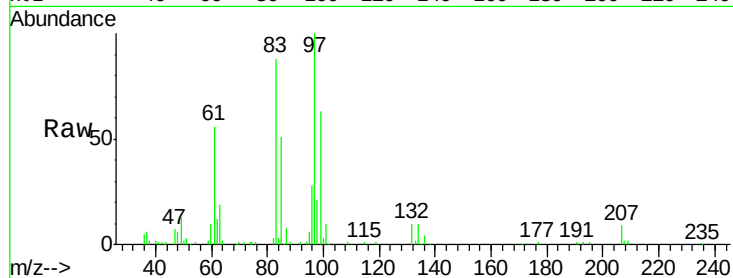
#55
 1,1,2-Trichloroethane
 Concen: 45.655 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	74869
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.7	104.5
85	51.1	48.1	72.1
99	62.5	51.9	77.9

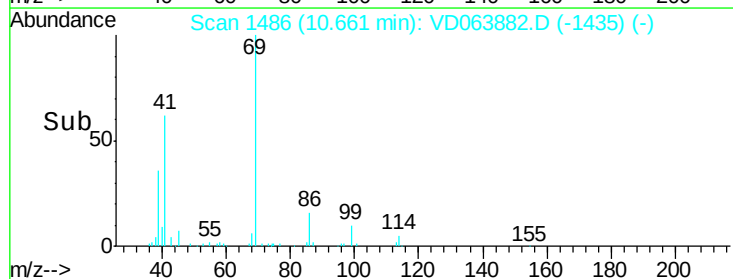
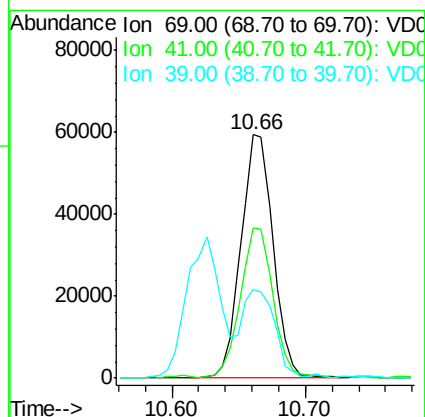
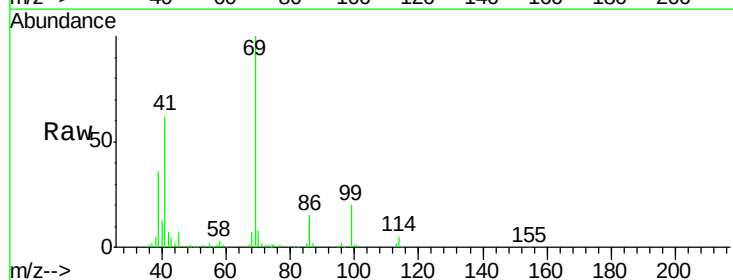
Manual Integrations
 APPROVED

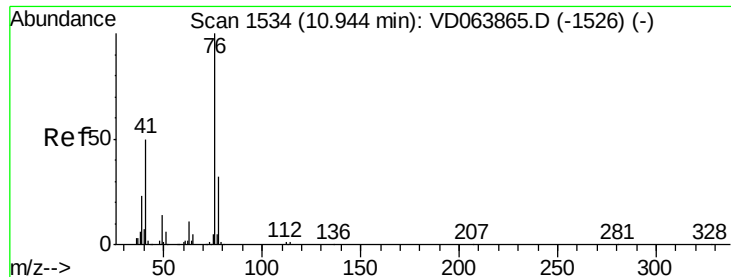
MMDadoda
 10/4/2019 4:31:43 PM



#56
 Ethyl methacrylate
 Concen: 47.669 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion:	69	Resp:	98993
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.3	76.9
39	36.1	28.0	42.0





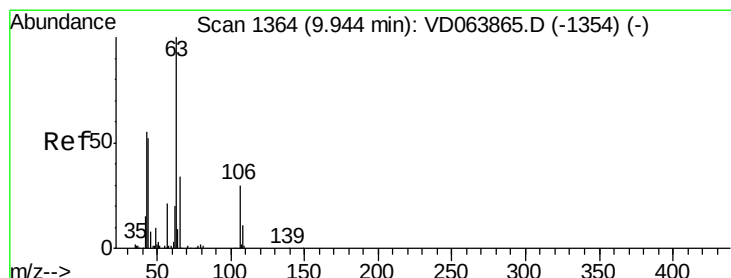
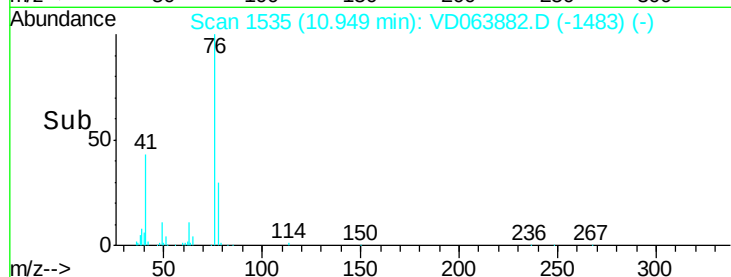
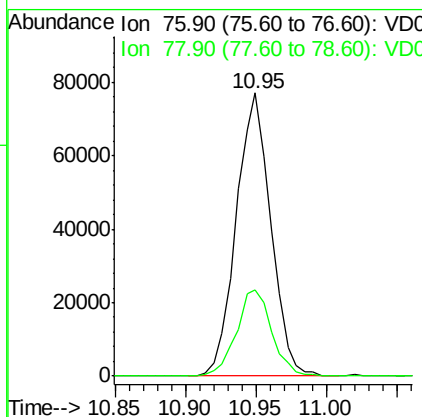
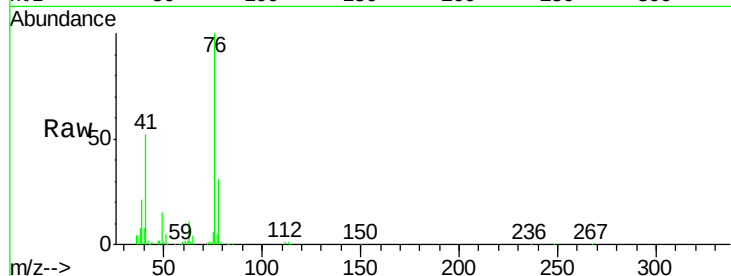
#57
 1,3-Dichloropropane
 Concen: 46.952 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	26.6	40.0

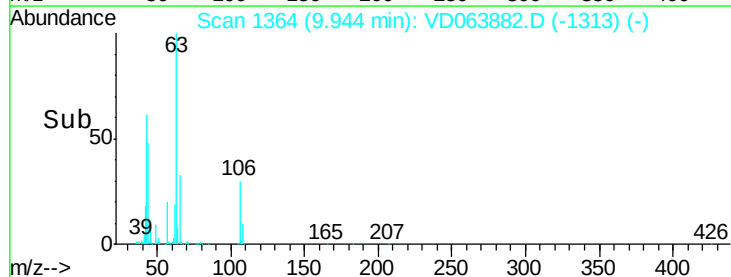
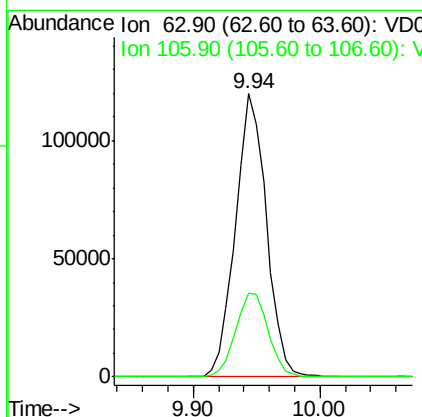
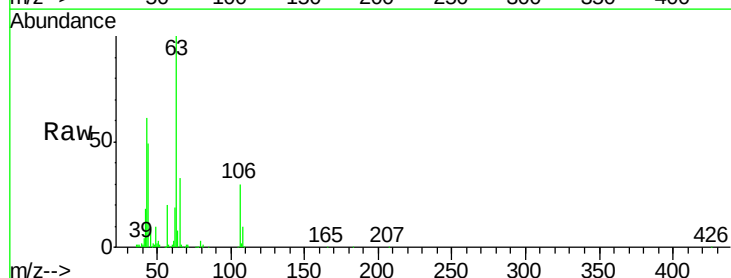
Manual Integrations
 APPROVED

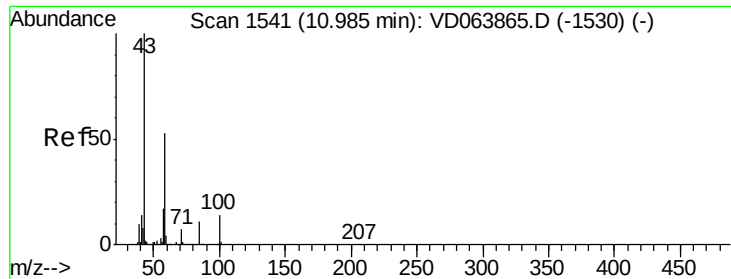
MMDadoda
 10/4/2019 4:31:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.826 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.3	36.5





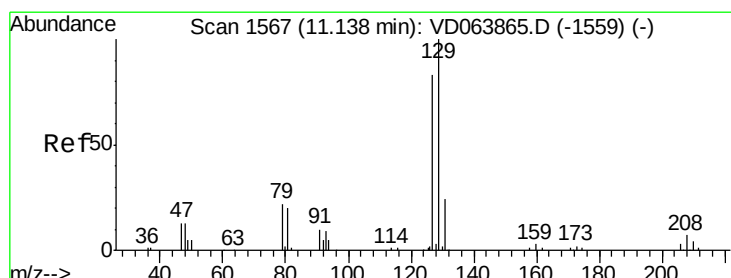
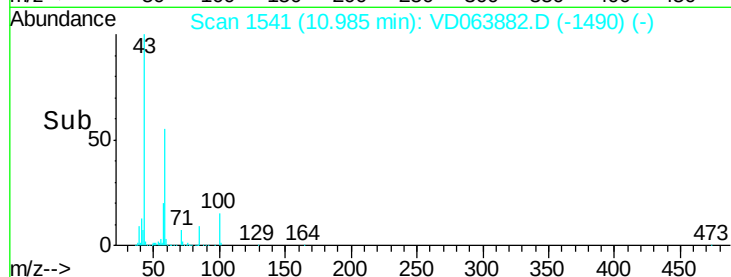
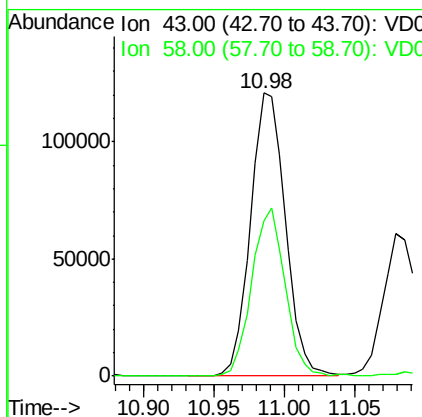
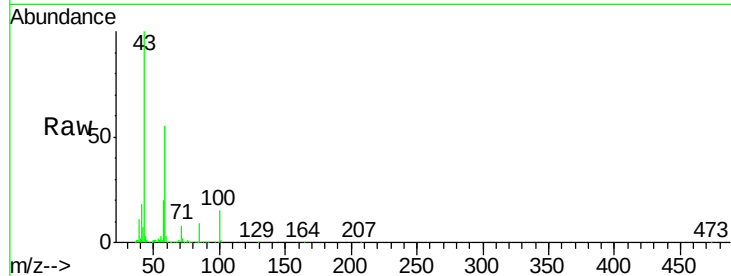
#59
2-Hexanone
Concen: 230.061 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 210443
Ion Ratio Lower Upper
43 100
58 56.7 27.7 83.0

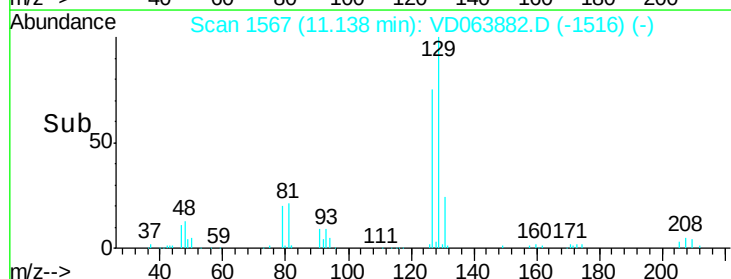
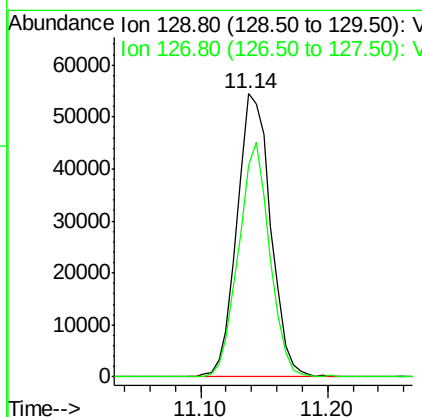
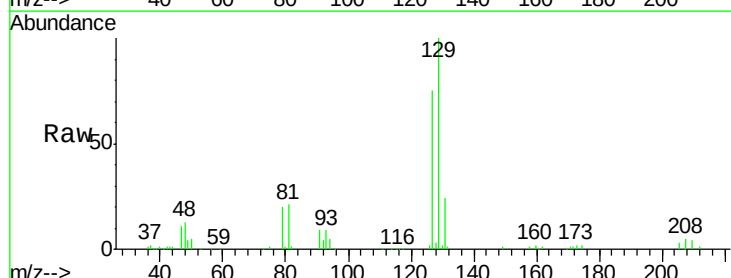
Manual Integrations
APPROVED

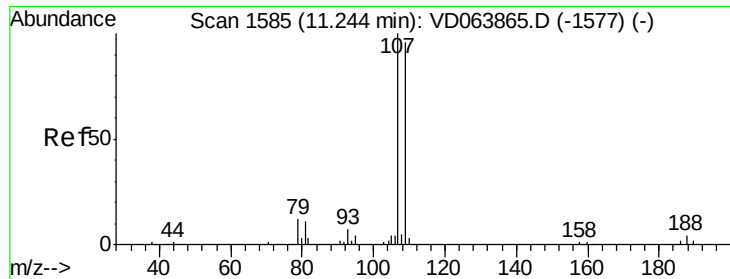
MMDadoda
10/4/2019 4:31:43 PM



#60
Dibromochloromethane
Concen: 47.007 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion: 129 Resp: 100358
Ion Ratio Lower Upper
129 100
127 76.5 39.9 119.6





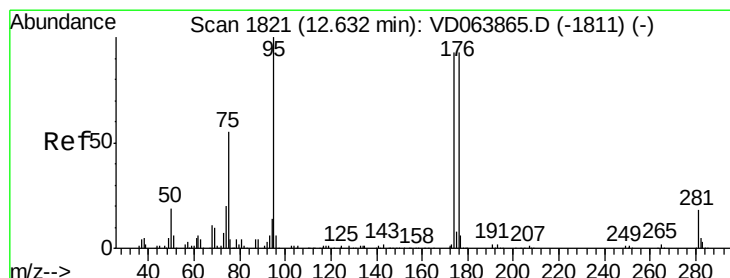
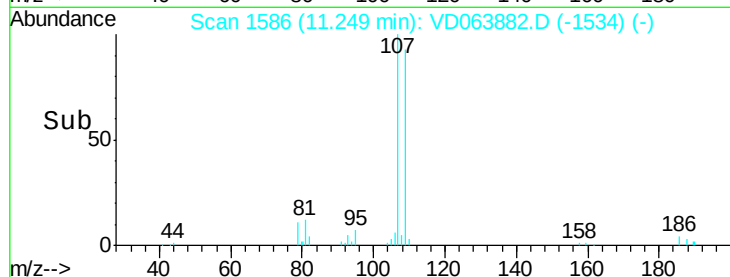
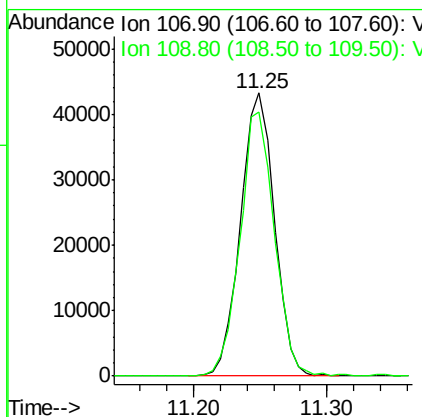
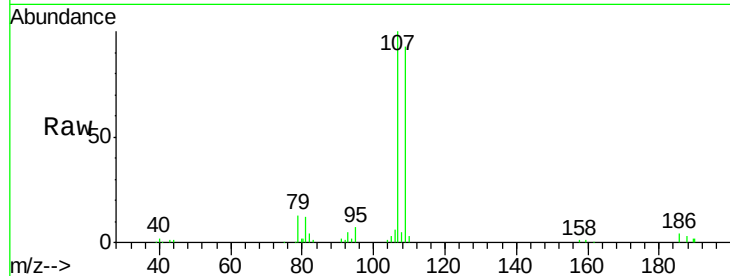
#61
1,2-Dibromoethane
Concen: 47.766 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.2	112.8

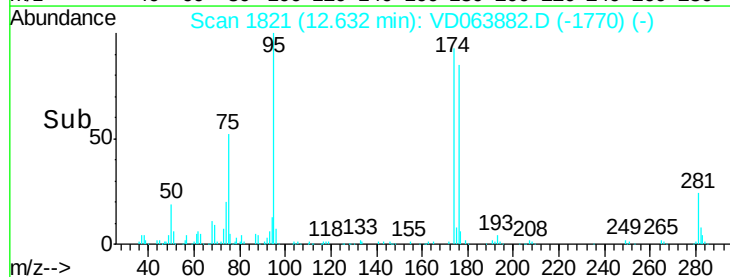
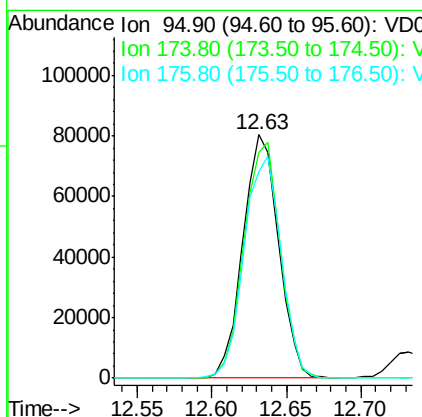
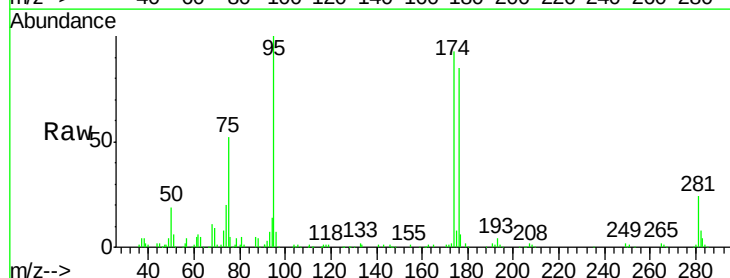
Manual Integrations
APPROVED

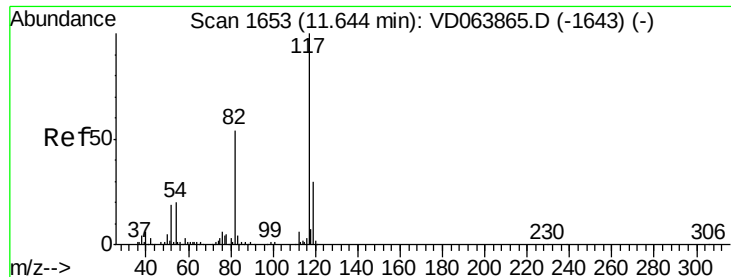
MMDadoda
10/4/2019 4:31:43 PM



#62
4-Bromofluorobenzene
Concen: 48.494 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	186.4
176	94.5	0.0	184.2





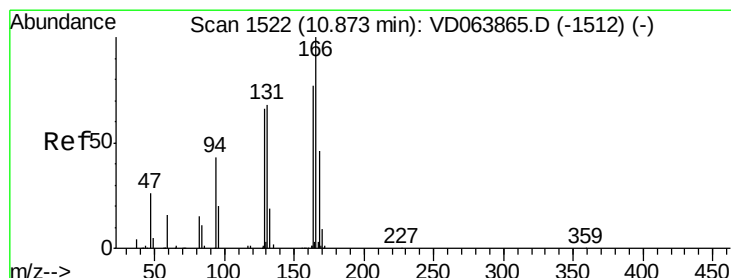
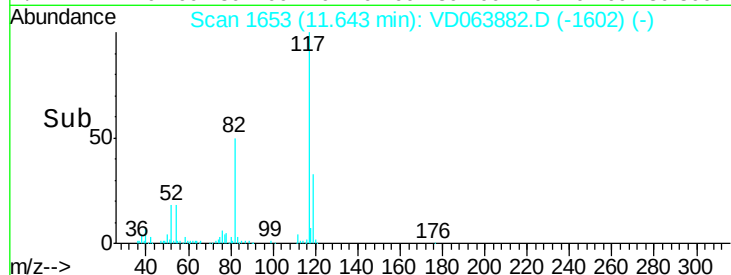
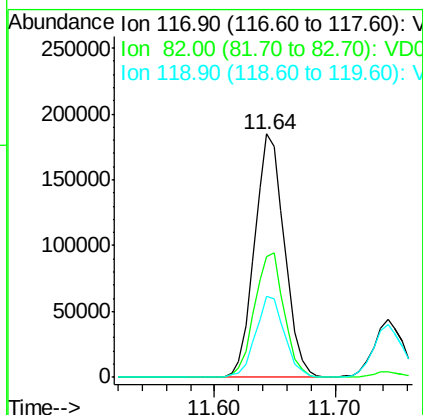
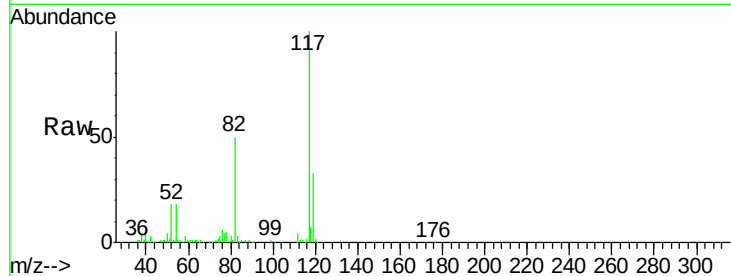
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	319581		
82	49.6		42.8	64.2
119	33.1		24.4	36.6

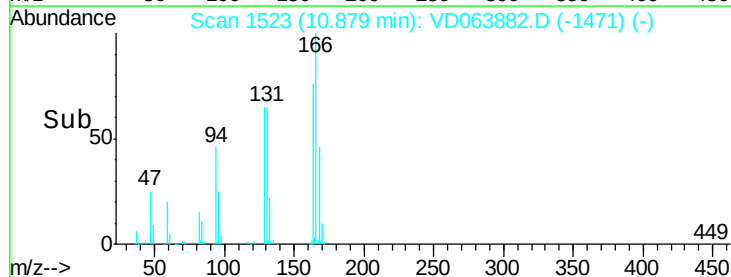
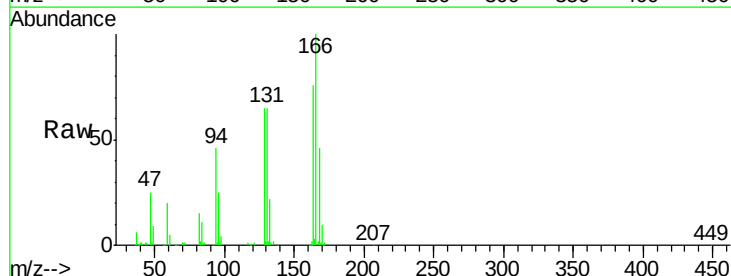
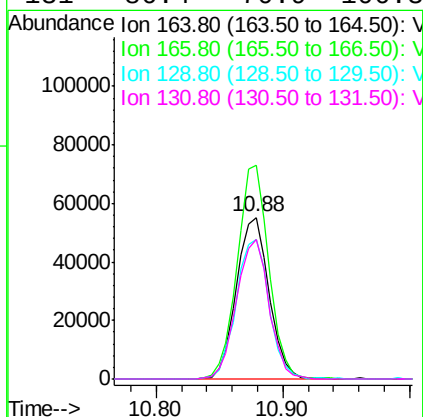
Manual Integrations
APPROVED

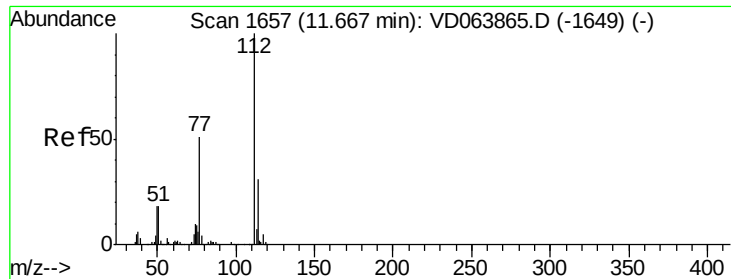
MMDadoda
10/4/2019 4:31:43 PM



#64
Tetrachloroethene
Concen: 45.377 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98999		
166	132.2		103.8	155.6
129	86.3		68.9	103.3
131	86.4		70.9	106.3





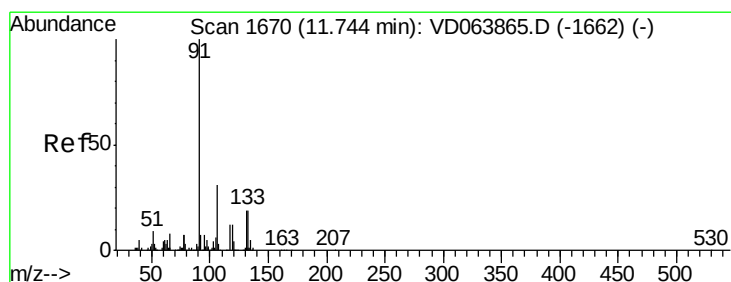
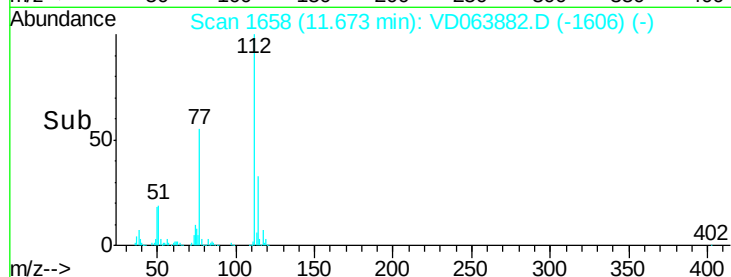
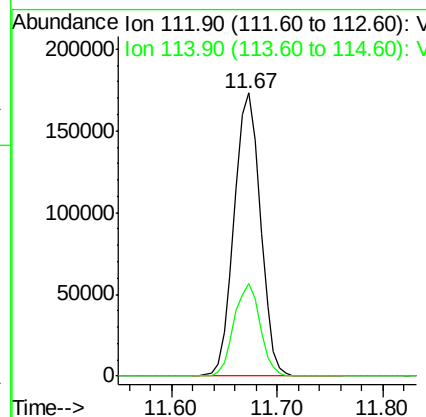
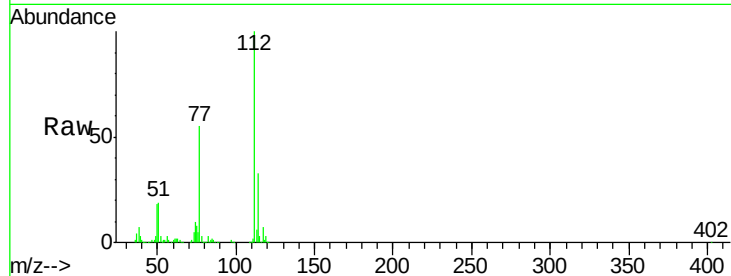
#65
Chlorobenzene
Concen: 46.388 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 297722
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7

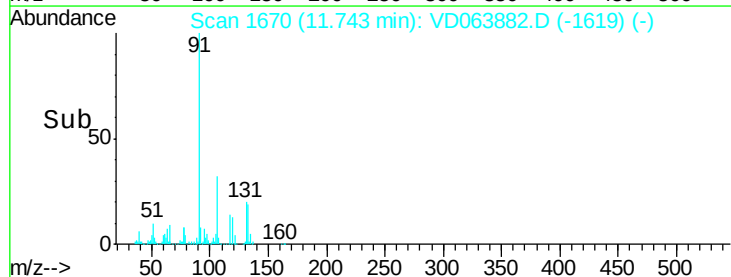
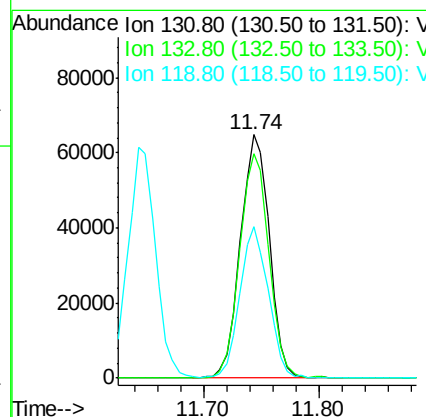
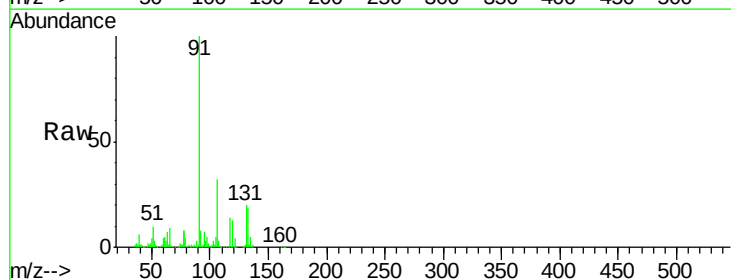
Manual Integrations
APPROVED

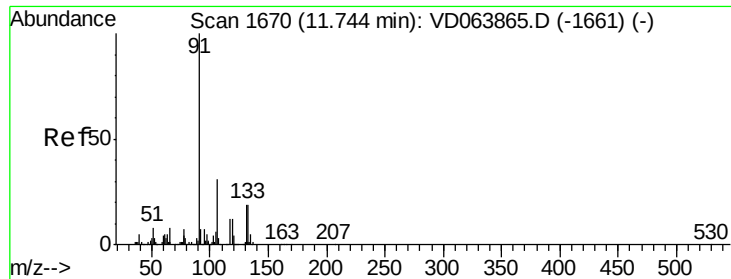
MMDadoda
10/4/2019 4:31:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.589 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion:131 Resp: 112544
Ion Ratio Lower Upper
131 100
133 93.1 48.9 146.7
119 61.3 32.6 97.8





#67

Ethyl Benzene

Concen: 45.631 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 528089

Ion Ratio Lower Upper

91 100

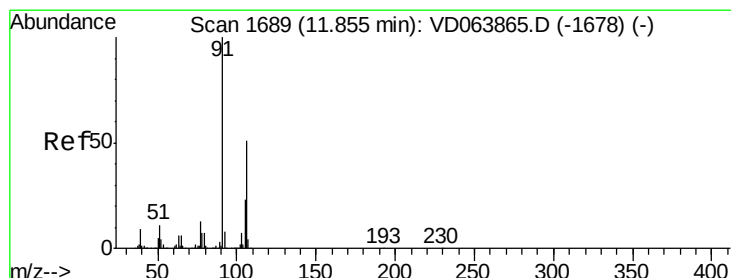
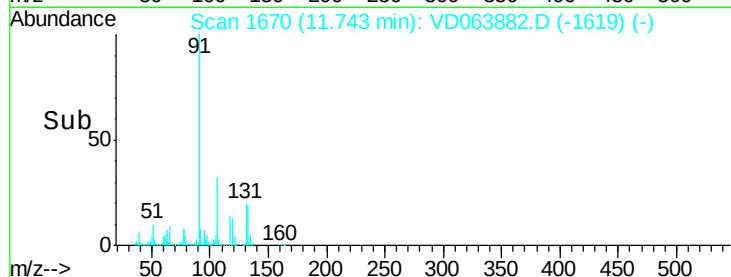
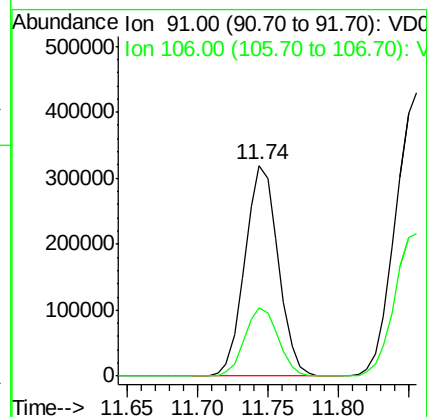
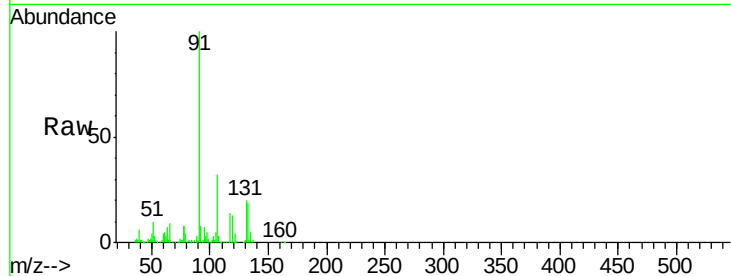
106 32.4 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:43 PM



#68

m/p-Xylenes

Concen: 94.776 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063882.D

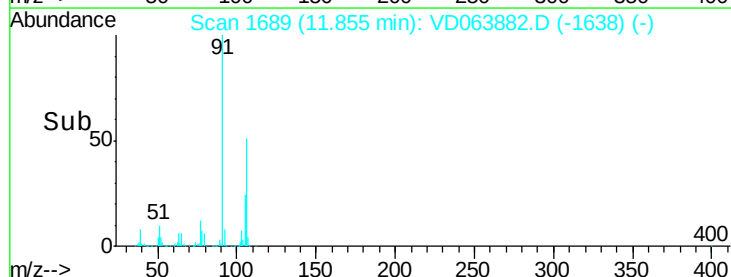
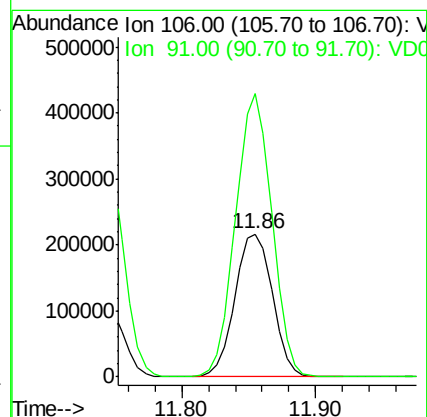
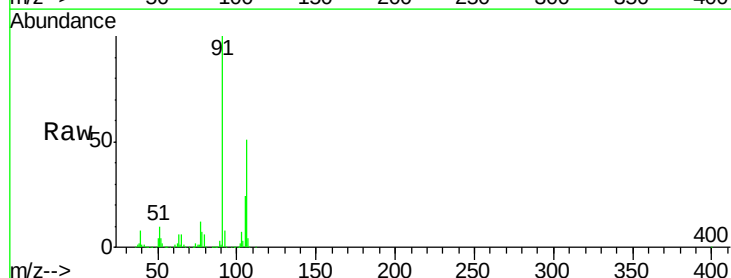
Acq: 03 Oct 2019 18:16

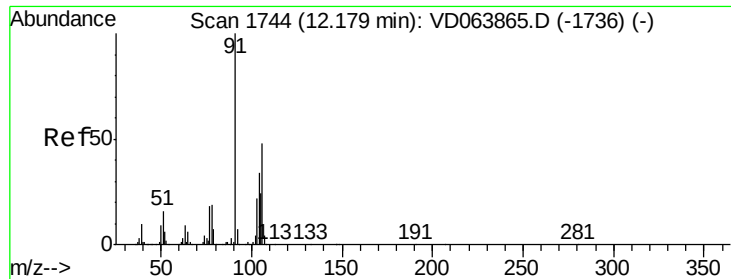
Tgt Ion: 106 Resp: 423359

Ion Ratio Lower Upper

106 100

91 191.9 154.8 232.2





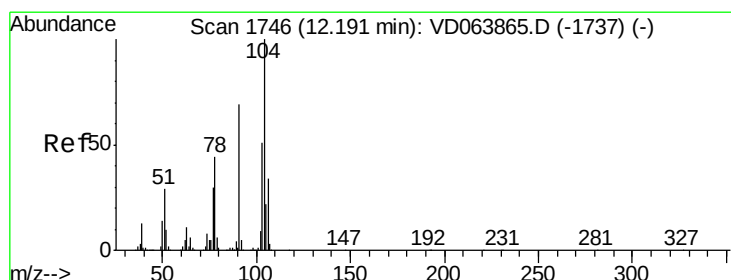
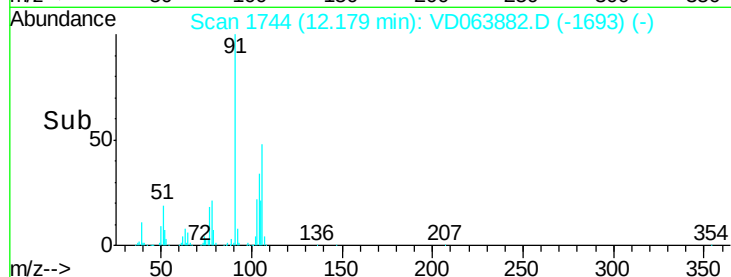
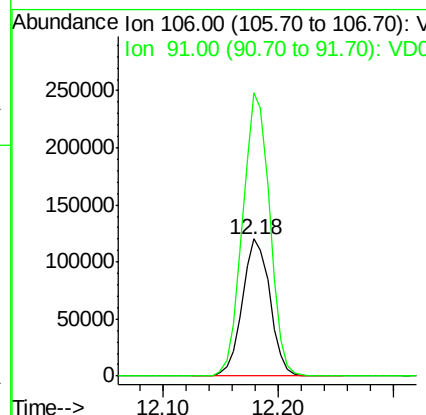
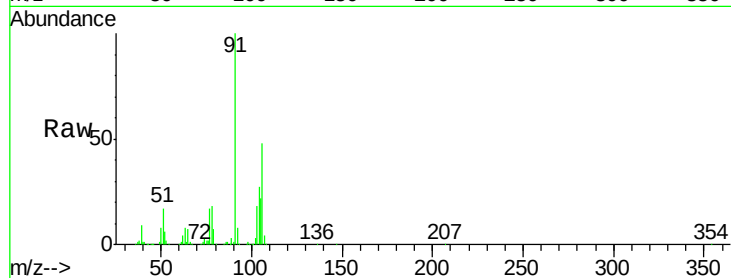
#69
o-Xylene
Concen: 46.458 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	103.9	311.7

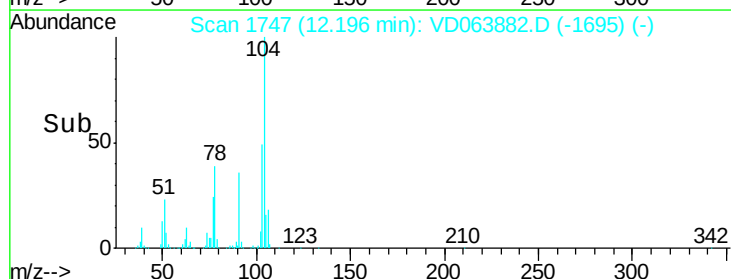
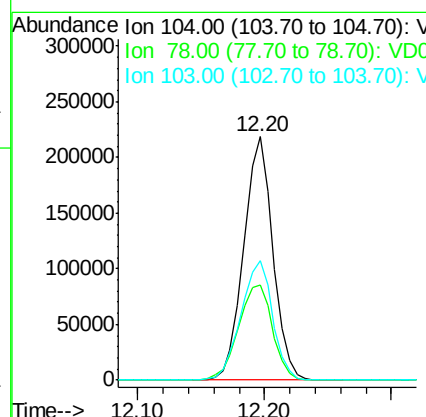
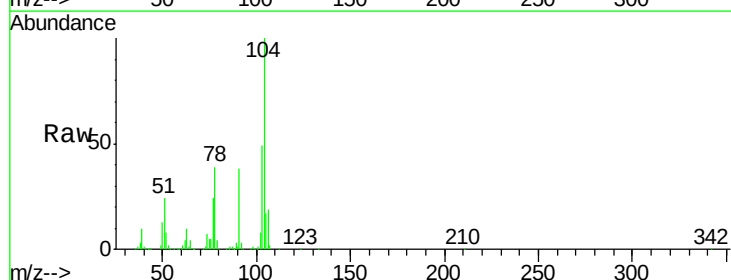
Manual Integrations
APPROVED

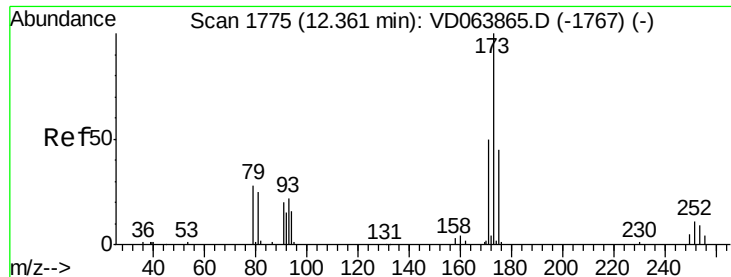
MMDadoda
10/4/2019 4:31:43 PM



#70
Styrene
Concen: 48.264 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.3	37.0	55.4
103	53.4	44.2	66.4





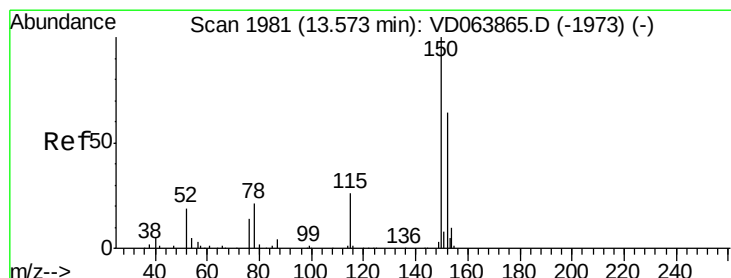
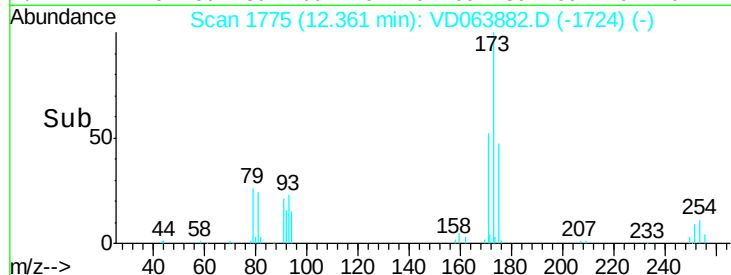
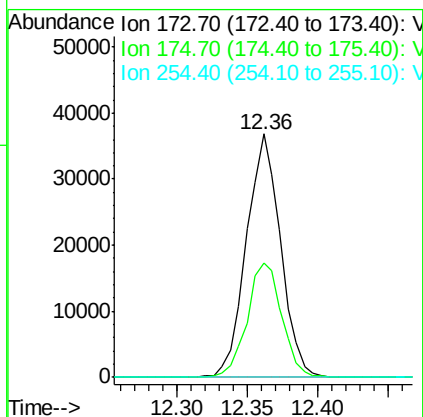
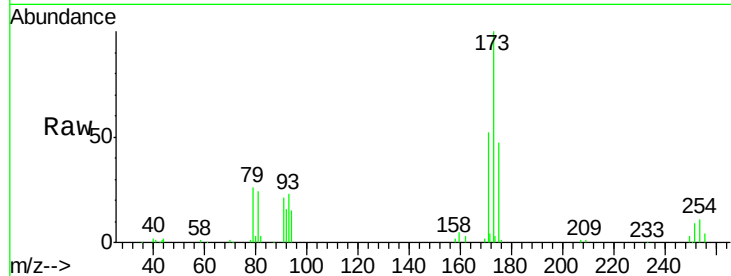
#71
Bromoform
Concen: 49.210 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	74.0
254	0.0	0.0	0.0

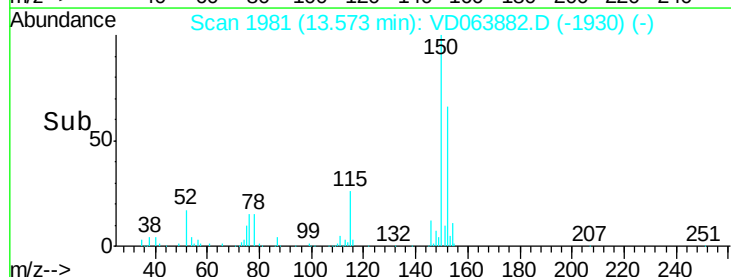
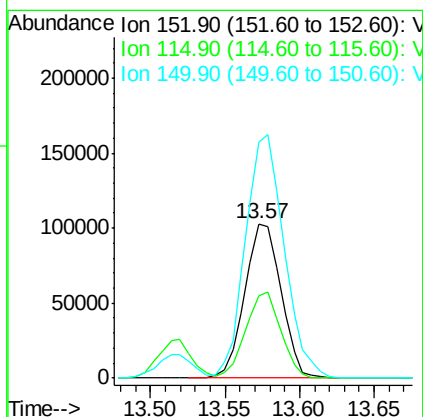
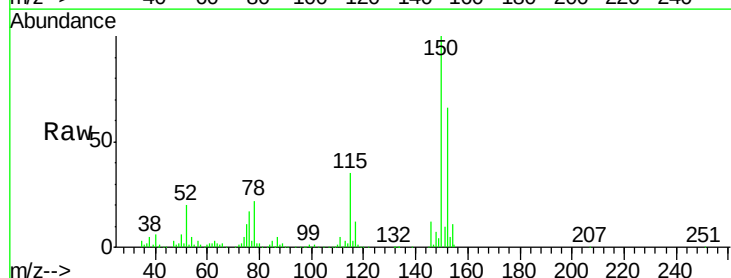
Manual Integrations
APPROVED

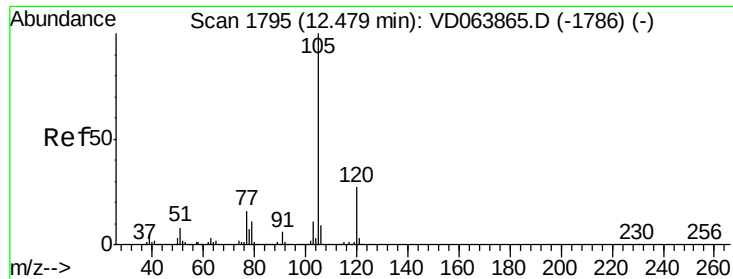
MMDadoda
10/4/2019 4:31:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.9	77.7
150	168.4	0.0	344.2





#73

Isopropylbenzene

Concen: 45.421 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 528890

Ion Ratio Lower Upper

105 100

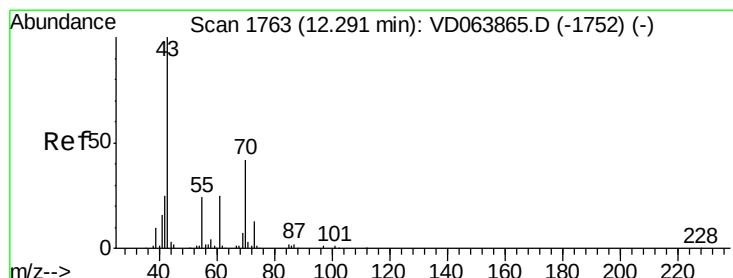
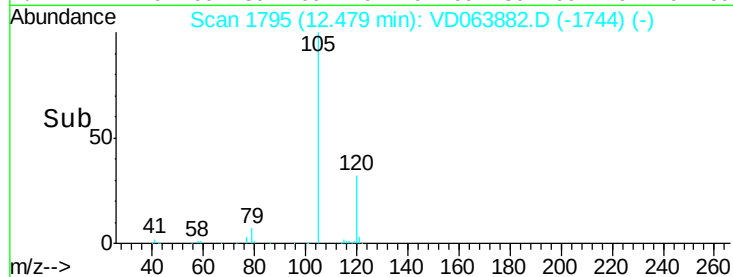
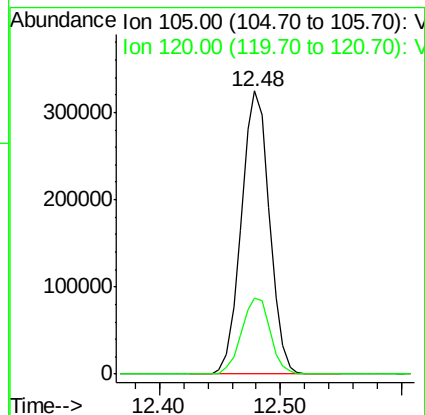
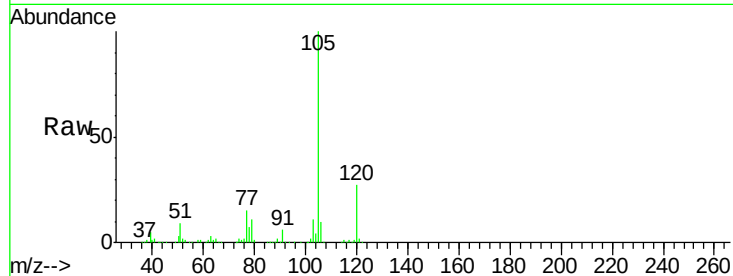
120 27.4 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

10/4/2019 4:31:43 PM



#74

N-ethyl acetate

Concen: 43.289 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion: 43 Resp: 108525

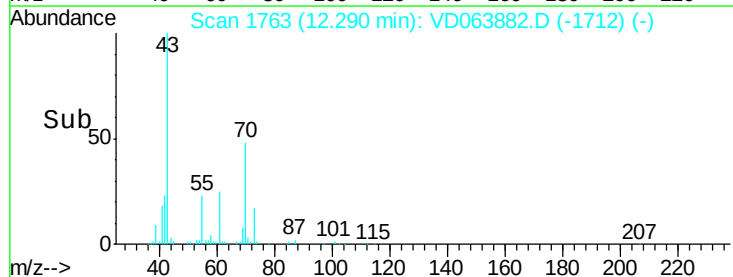
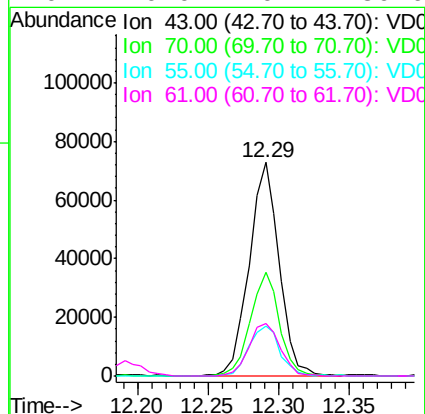
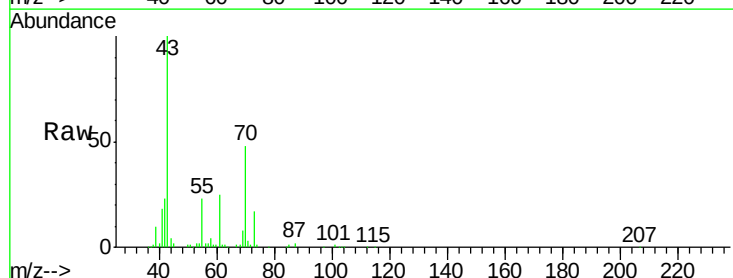
Ion Ratio Lower Upper

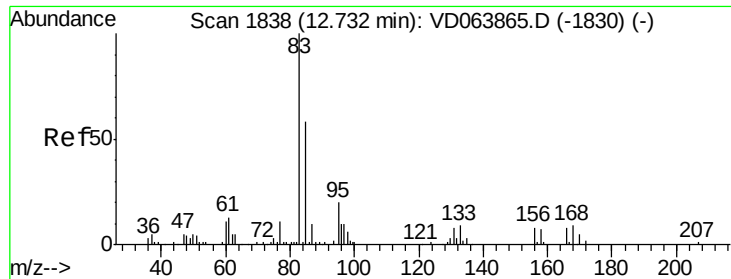
43 100

70 47.1 35.8 53.6

55 24.4 19.4 29.0

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.513 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

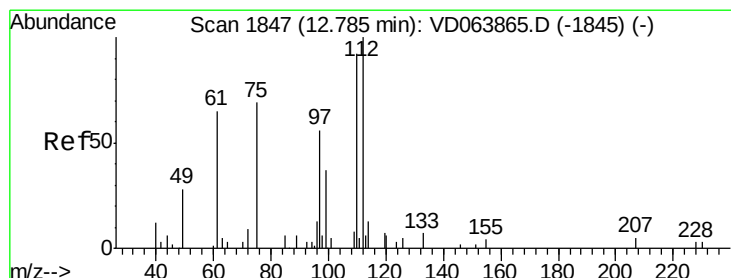
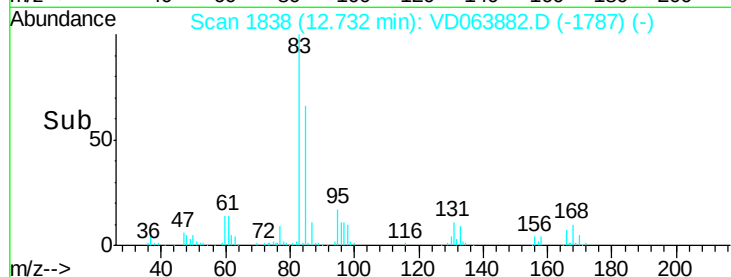
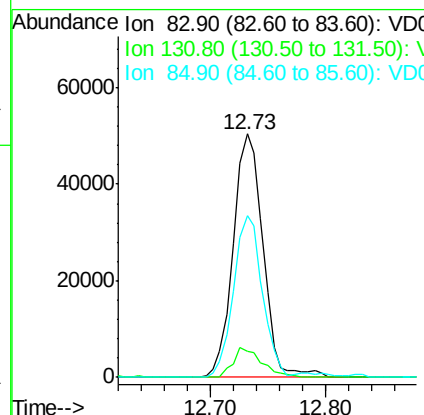
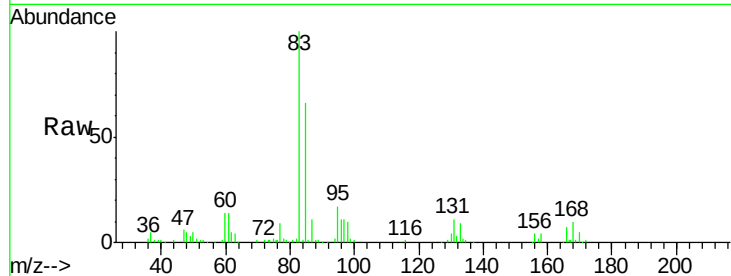
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	90193
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	64.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#76

1,2,3-Trichloropropane

Concen: 60.270 ug/l m

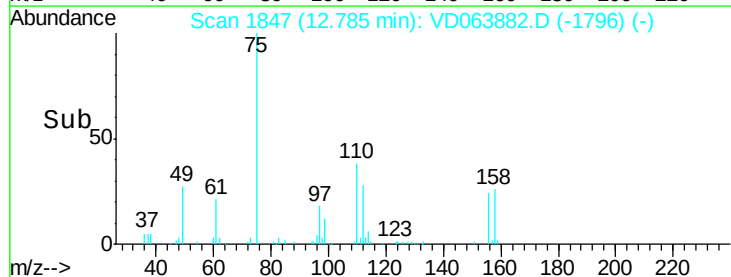
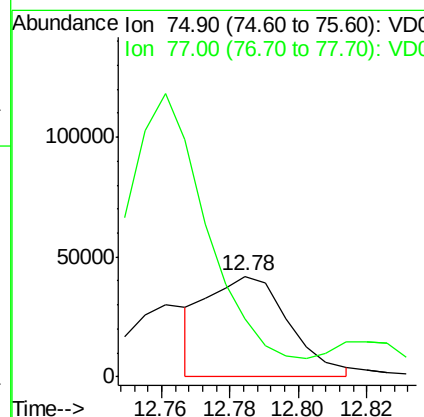
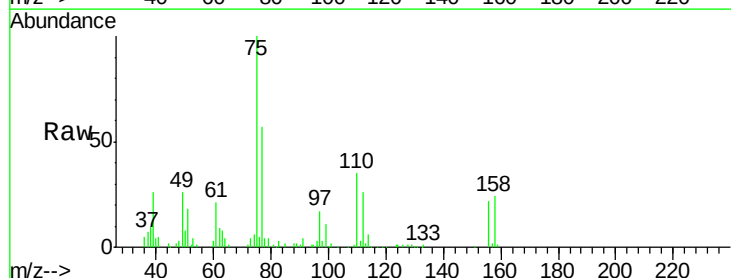
RT: 12.78 min Scan# 1847

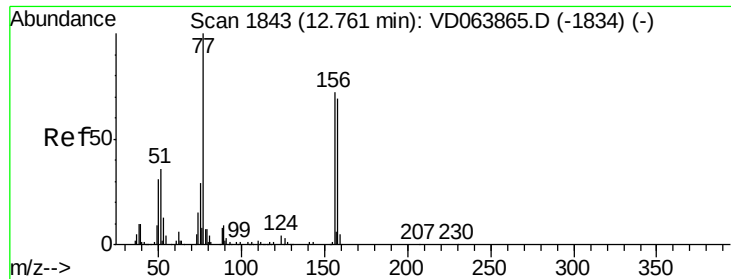
Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Tgt Ion:	75	Resp:	69920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.756 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

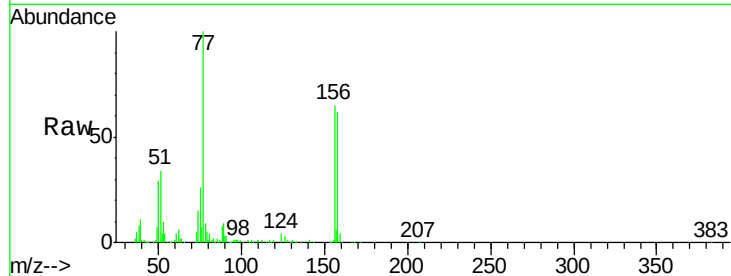
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	132739
Ion Ratio	Lower	Upper	
156	100		
77	158.5	80.3	241.0
158	97.0	47.4	142.2

Manual Integrations
APPROVED

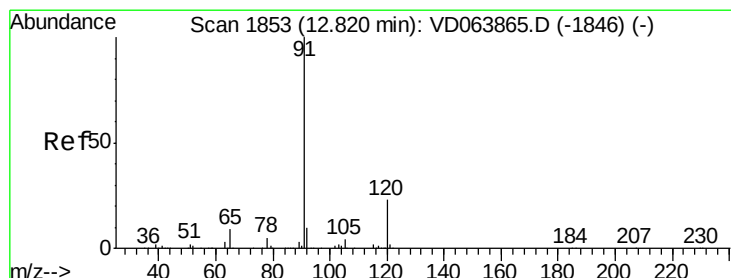
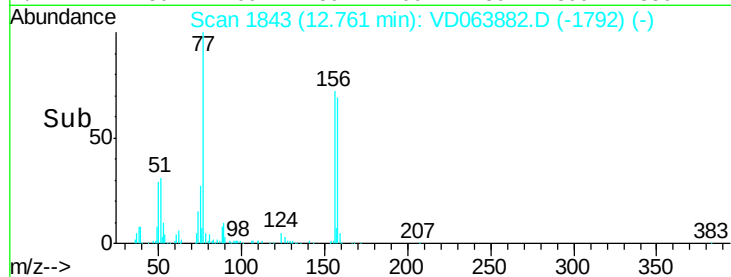
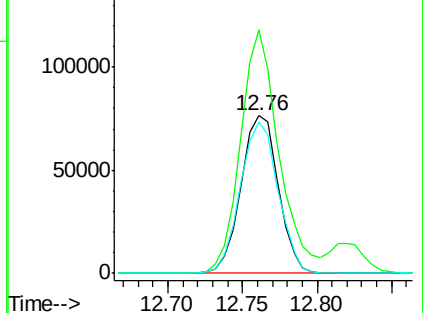
MMDadoda
10/4/2019 4:31:43 PM



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: 45.104 ug/l

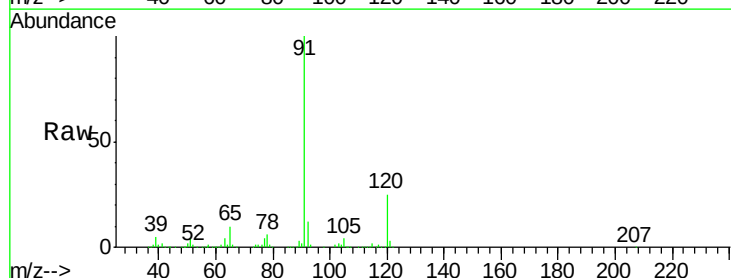
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063882.D

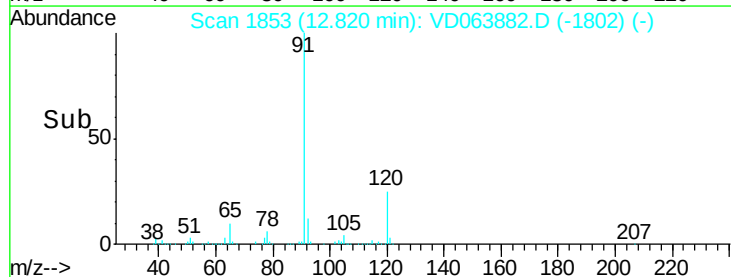
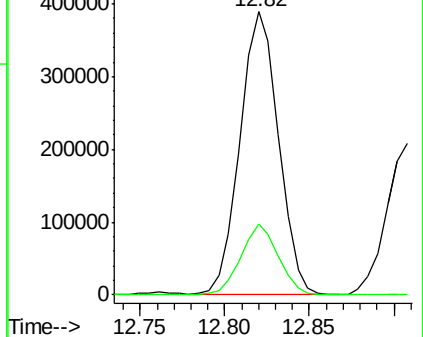
Acq: 03 Oct 2019 18:16

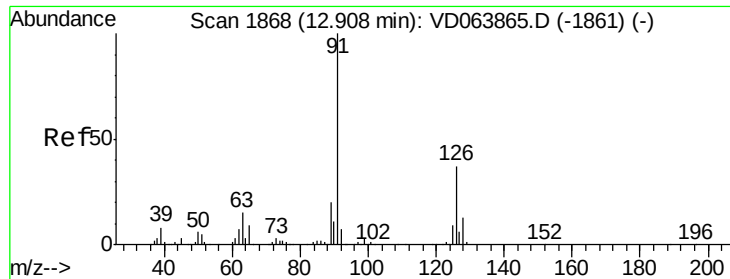
Tgt Ion:	91	Resp:	616459
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.561 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063882.D

Acq: 03 Oct 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 343362

Ion Ratio Lower Upper

91 100

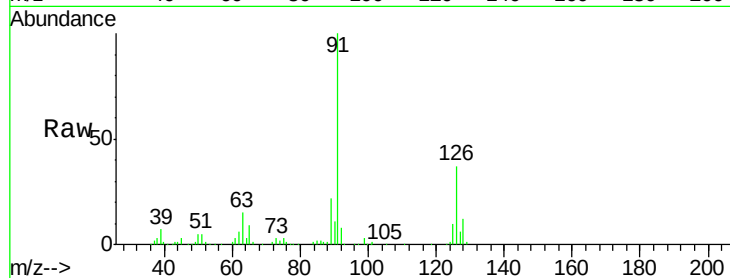
126 37.1 18.4 55.2

Manual Integrations

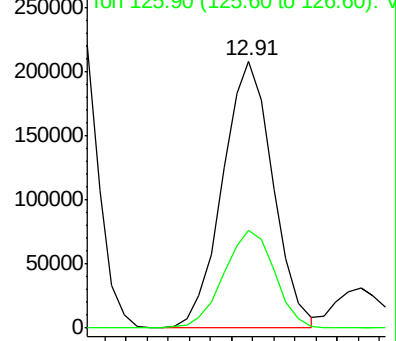
APPROVED

MMDadoda

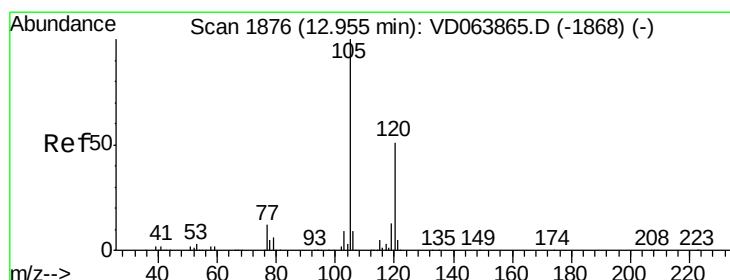
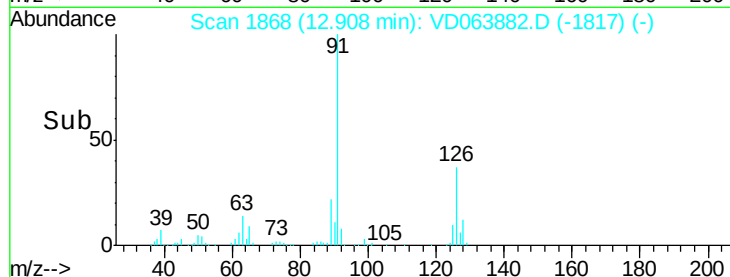
10/4/2019 4:31:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VD063882.D (-1817) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.948 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063882.D

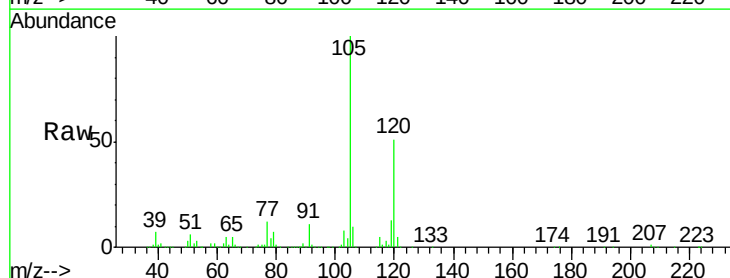
Acq: 03 Oct 2019 18:16

Tgt Ion: 105 Resp: 446359

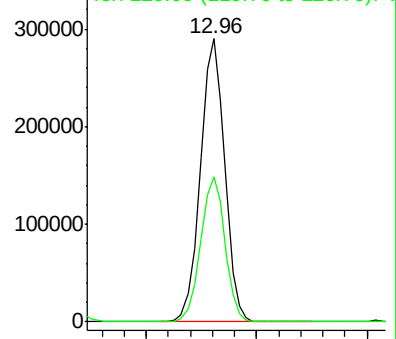
Ion Ratio Lower Upper

105 100

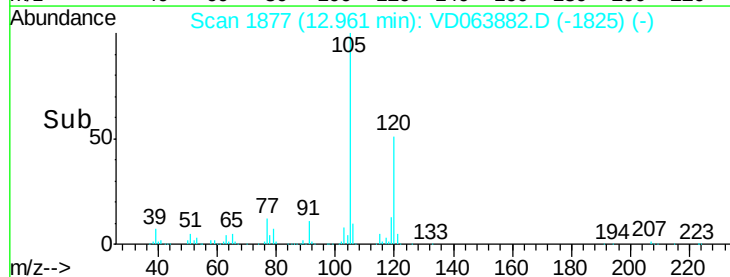
120 51.5 25.9 77.8

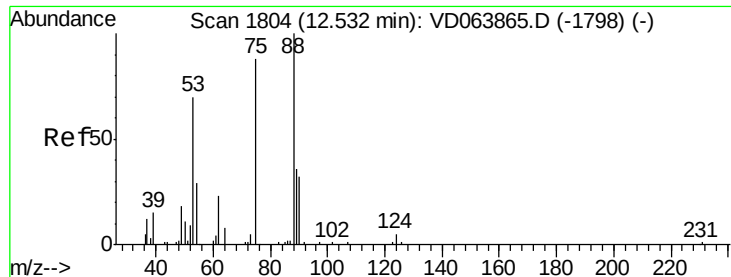


Abundance Ion 105.00 (104.70 to 105.70): VD063882.D (-1825) (-)



Time-->





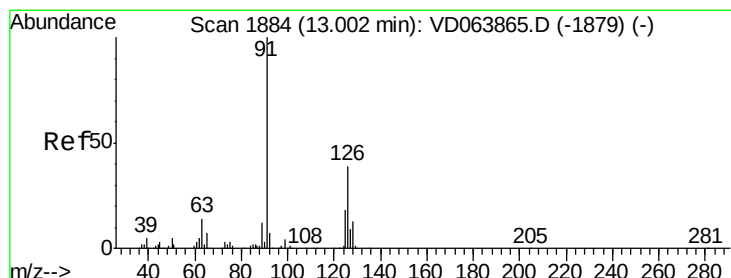
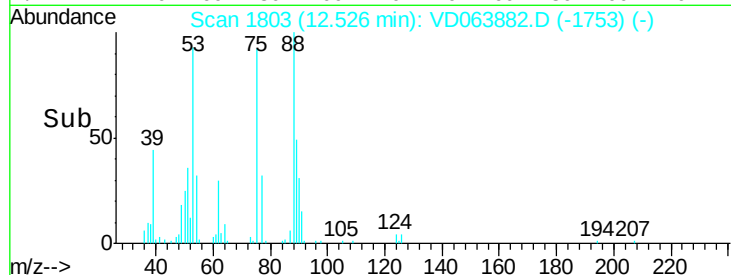
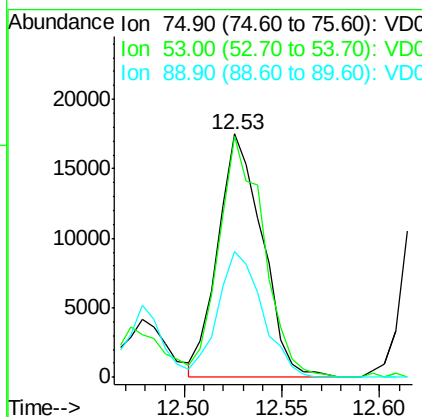
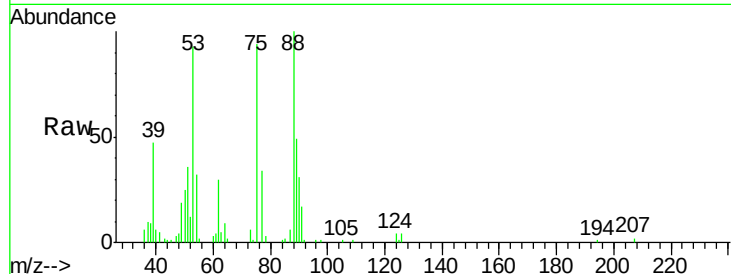
#81
trans-1,4-Dichloro-2-butene
Concen: 42.175 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	75.0	112.6
89	52.0	38.2	57.4

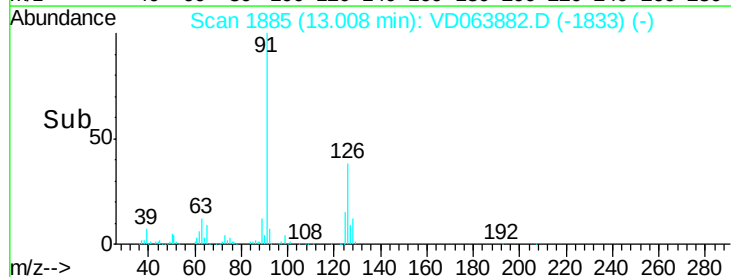
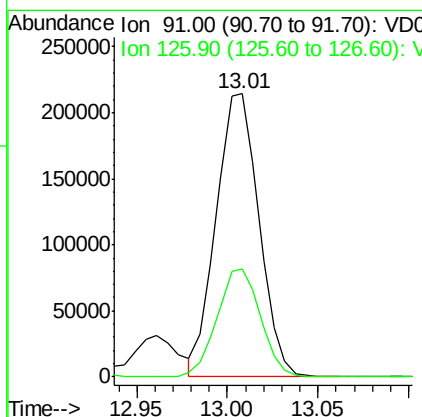
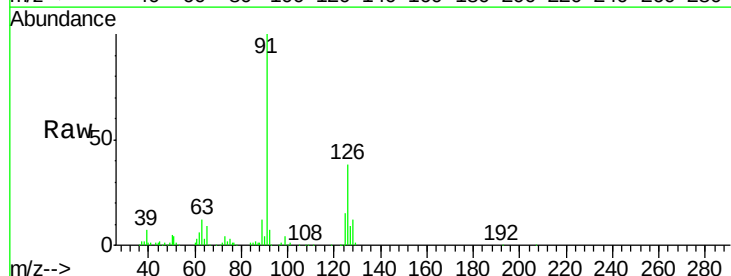
Manual Integrations
APPROVED

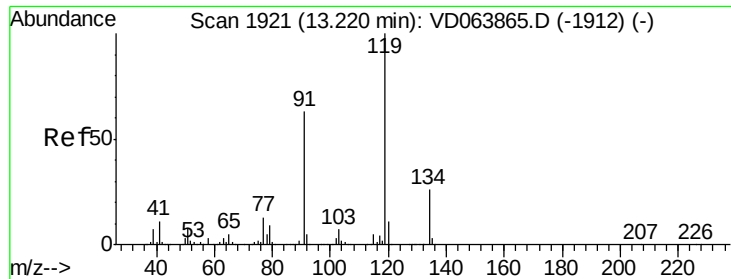
MMDadoda
10/4/2019 4:31:43 PM



#82
4-Chlorotoluene
Concen: 44.113 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.7	18.6	55.8





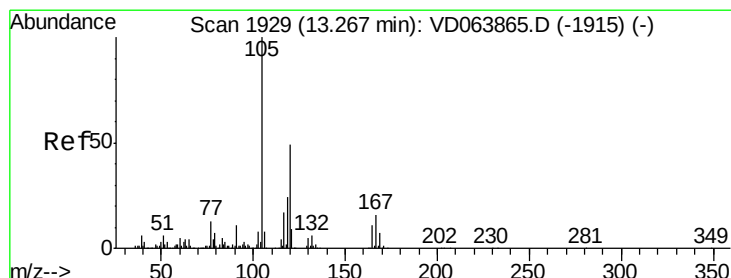
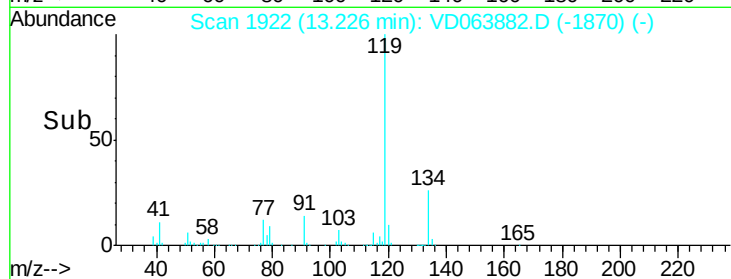
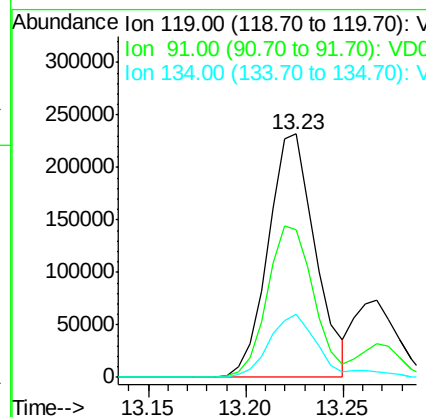
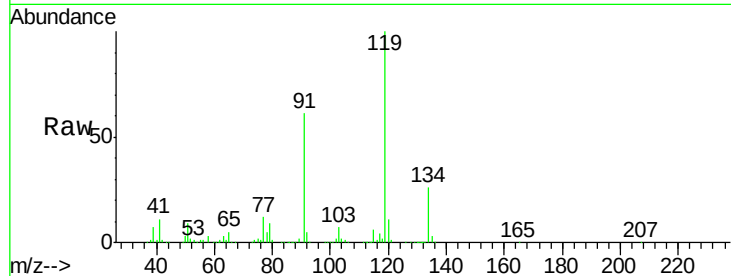
#83
 tert-Butylbenzene
 Concen: 44.958 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.0	90.0
134	27.6	13.0	38.9

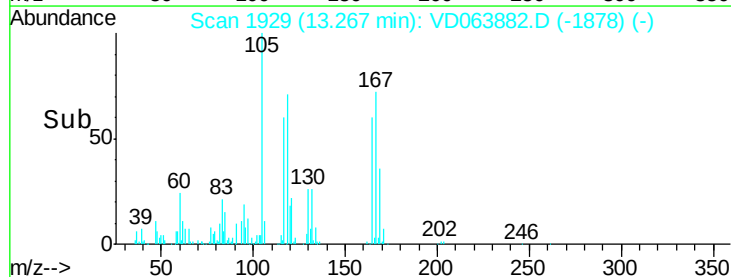
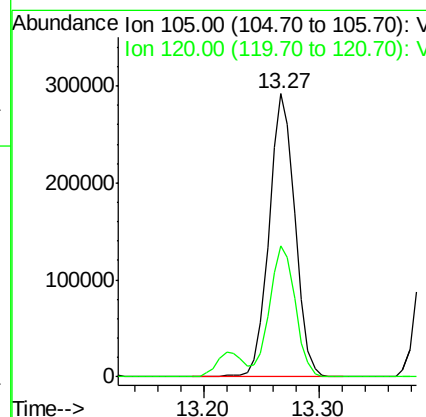
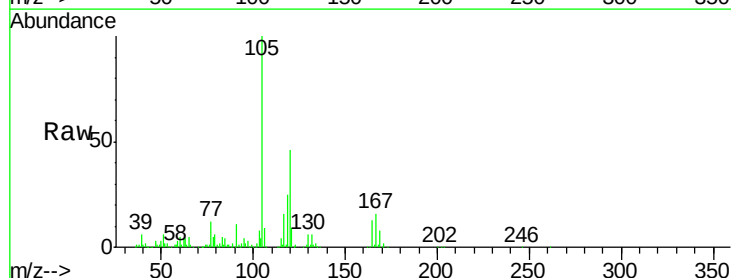
Manual Integrations
 APPROVED

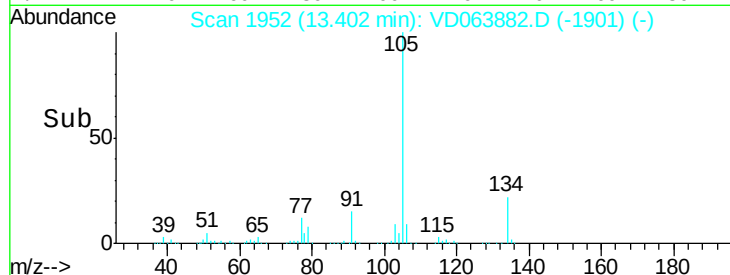
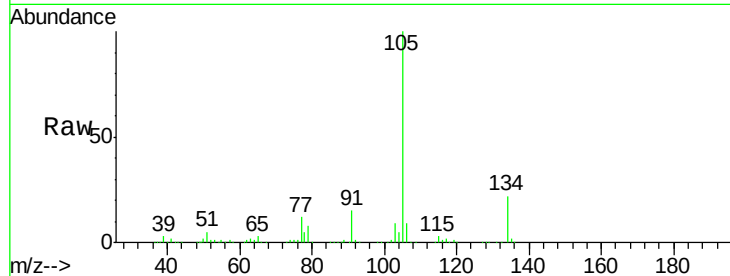
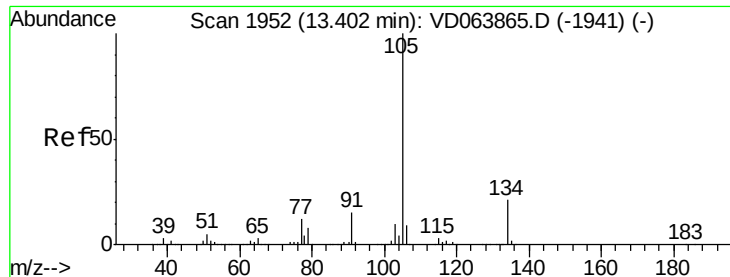
MMDadoda
 10/4/2019 4:31:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.580 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.5





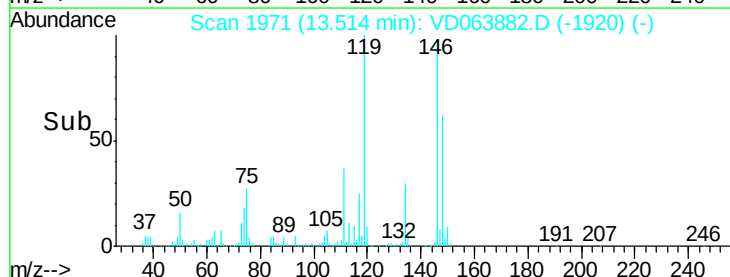
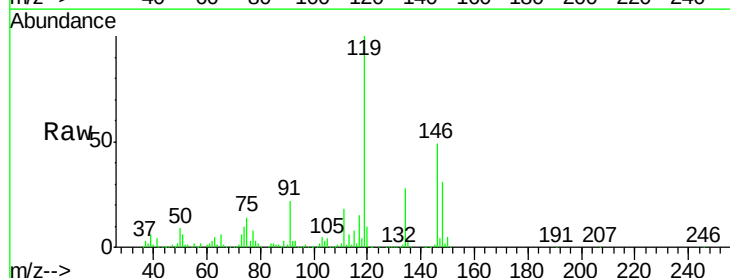
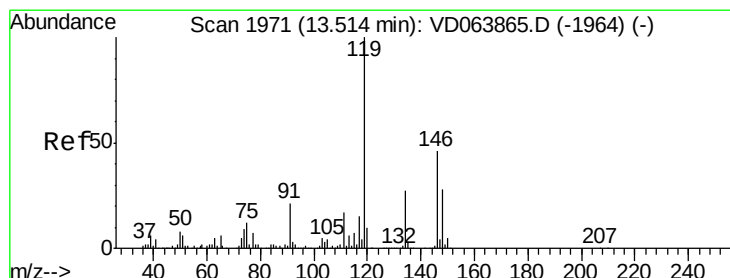
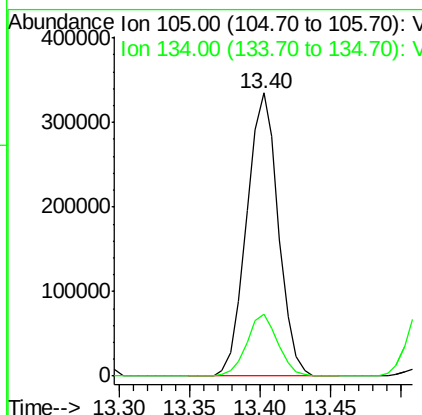
#85
 sec-Butylbenzene
 Concen: 45.198 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.6	31.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

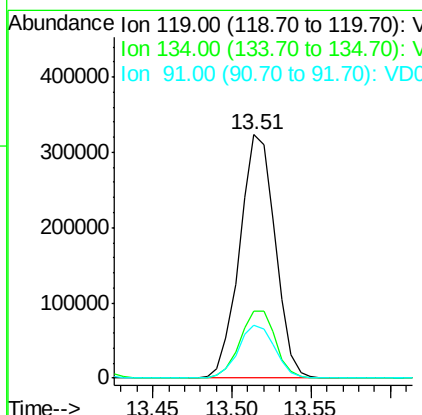
Manual Integrations
 APPROVED

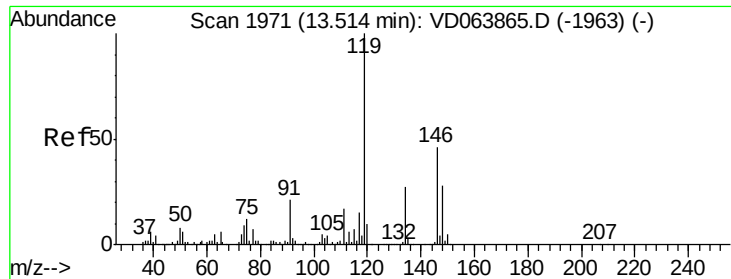
MMDadoda
 10/4/2019 4:31:43 PM



#86
 p-Isopropyltoluene
 Concen: 45.410 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.9	41.6
91	22.4	11.2	33.5





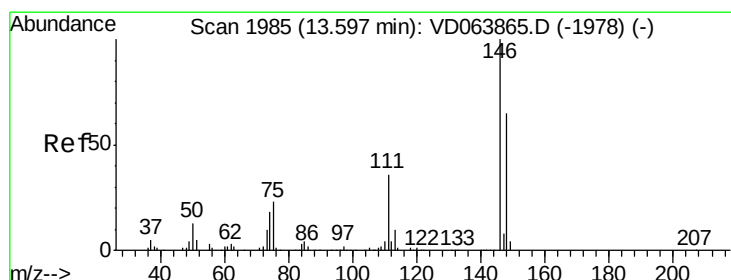
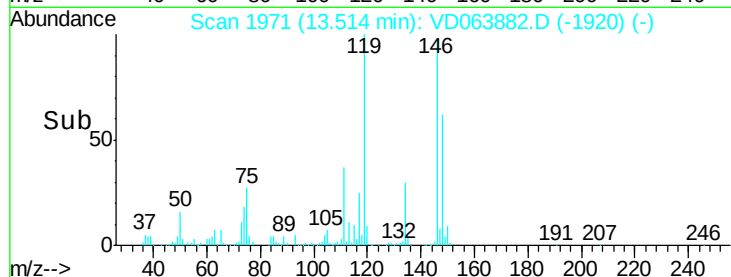
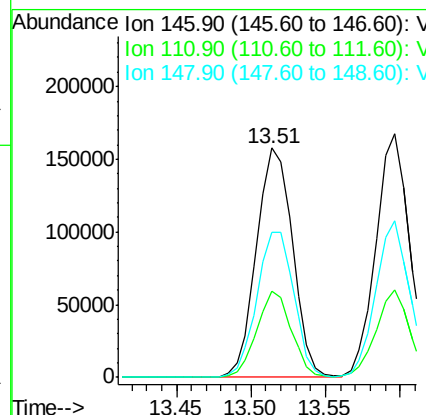
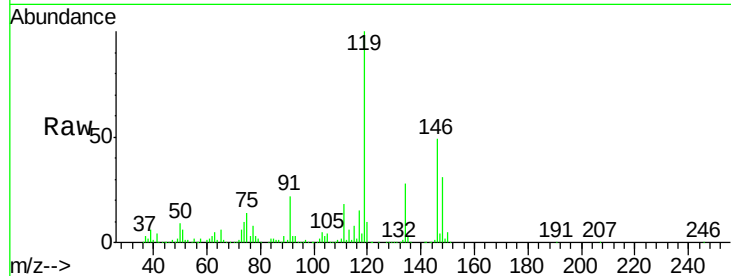
#87
 1,3-Dichlorobenzene
 Concen: 46.024 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.9
148	64.8	31.8	95.4

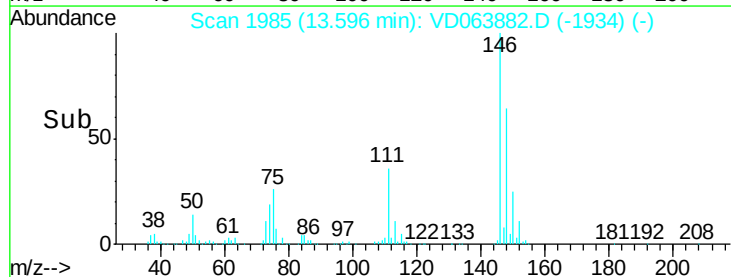
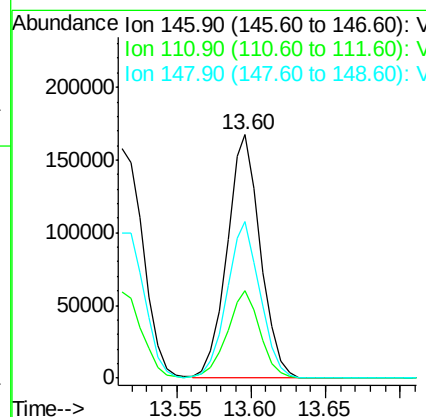
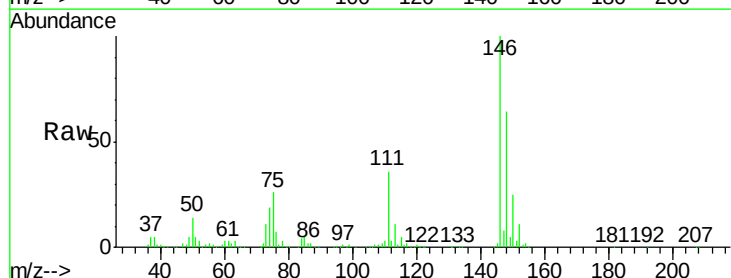
Manual Integrations
 APPROVED

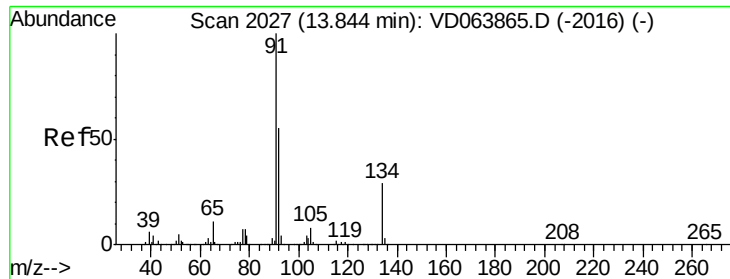
MMDadoda
 10/4/2019 4:31:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.202 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.6	56.0
148	64.1	32.6	98.0





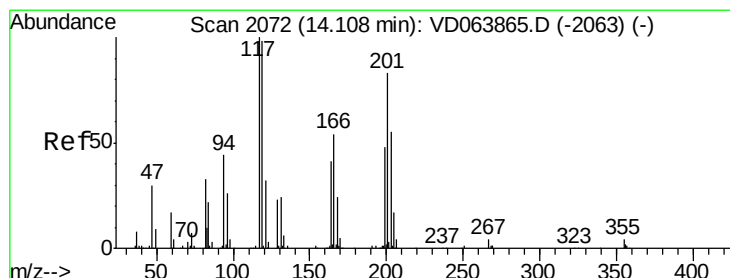
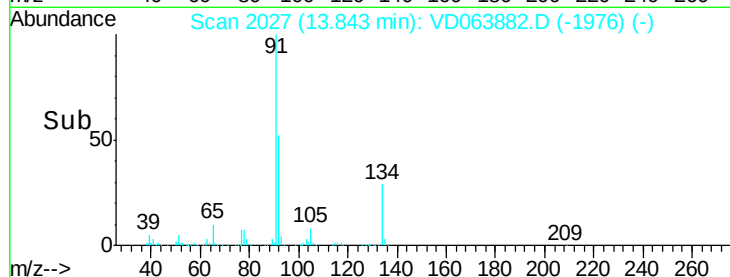
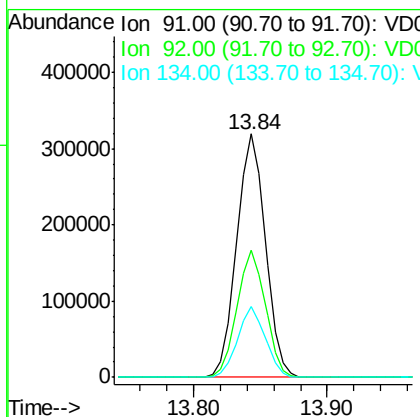
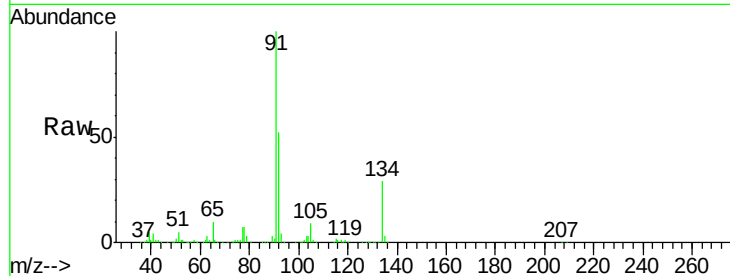
#89
n-Butylbenzene
Concen: 46.418 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.8	80.3
134	27.9	14.4	43.0

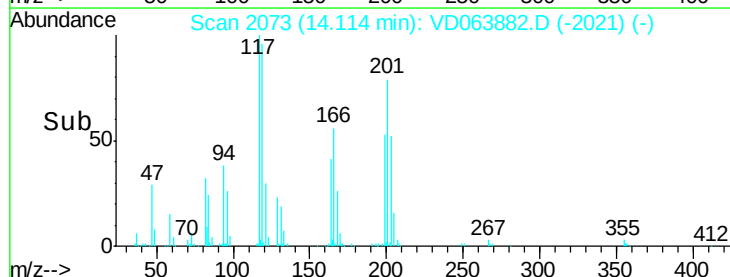
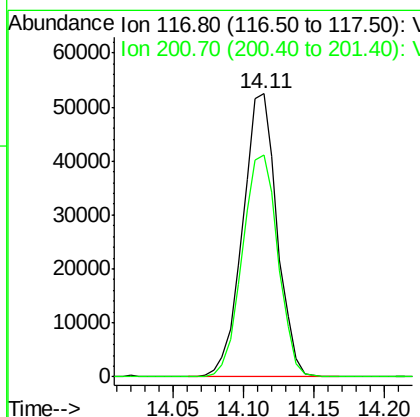
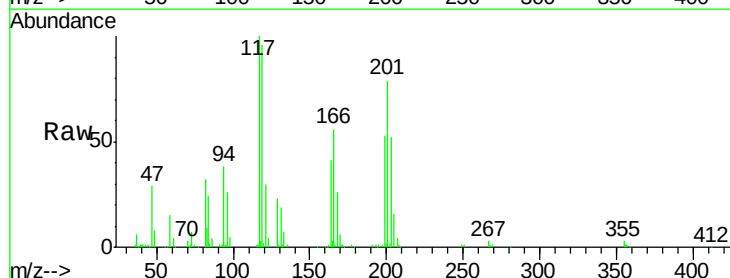
Manual Integrations
APPROVED

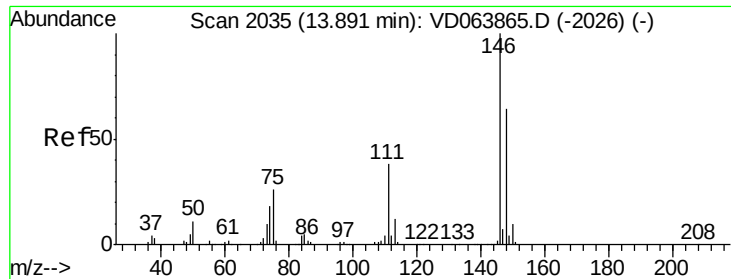
MMDadoda
10/4/2019 4:31:43 PM



#90
Hexachloroethane
Concen: 45.053 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.6	121.7





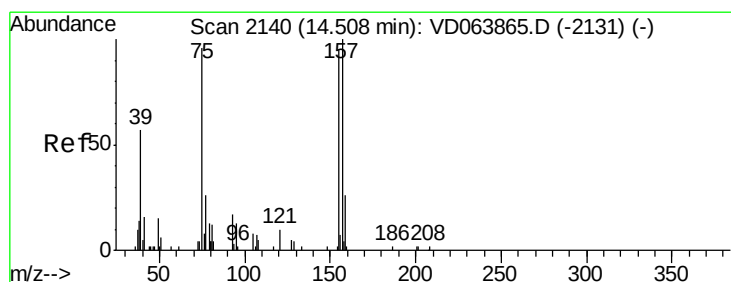
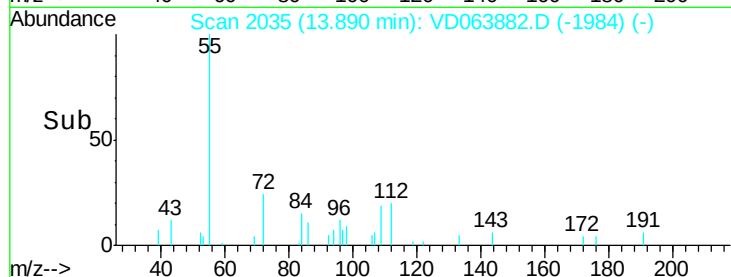
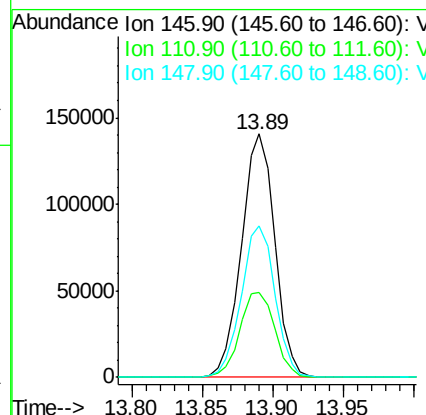
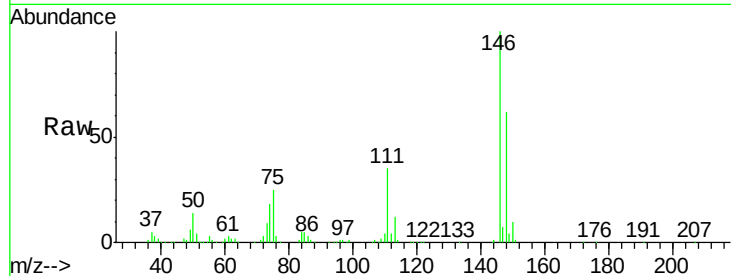
#91
 1,2-Dichlorobenzene
 Concen: 47.016 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.6
148	63.0	31.6	95.0

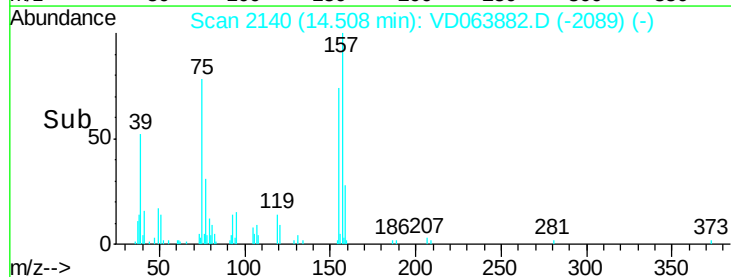
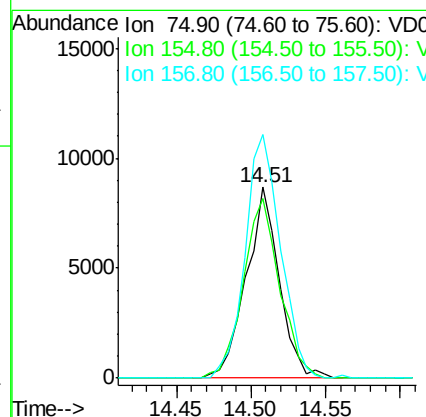
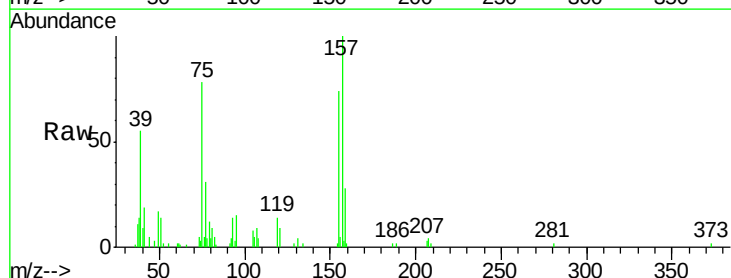
Manual Integrations
 APPROVED

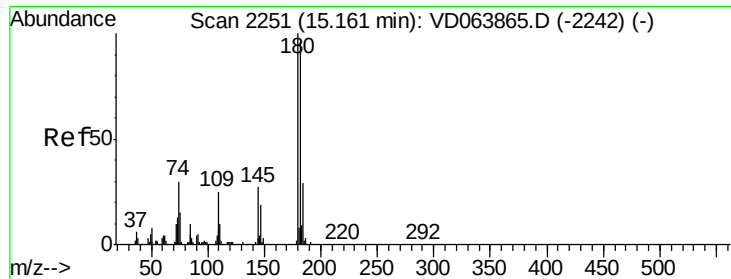
MMDadoda
 10/4/2019 4:31:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.986 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	43.9	131.6
157	136.1	56.0	167.9





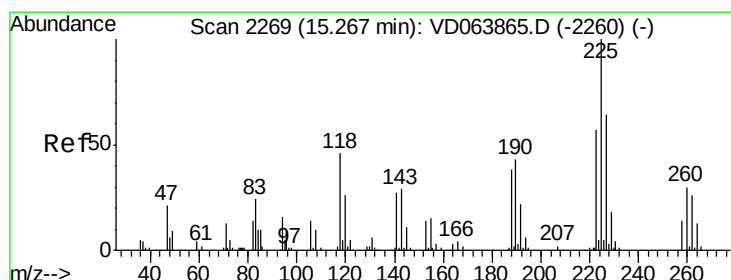
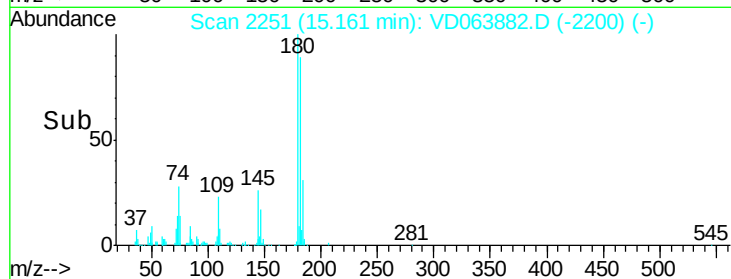
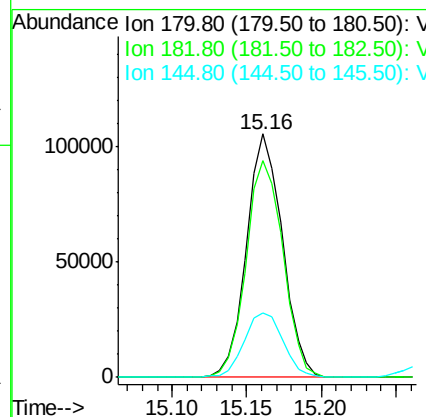
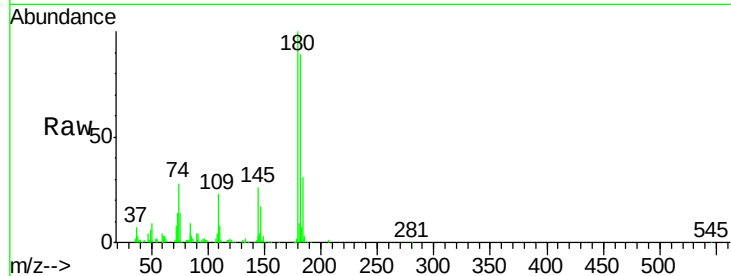
#93
 1,2,4-Trichlorobenzene
 Concen: 45.959 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175177		
182	91.6	47.4	142.3	
145	28.7	13.9	41.7	

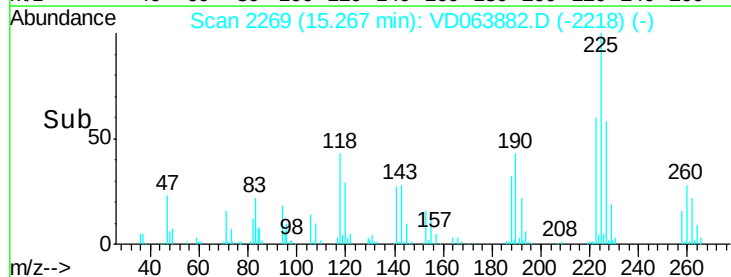
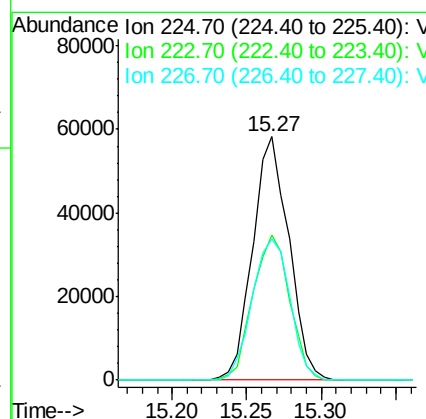
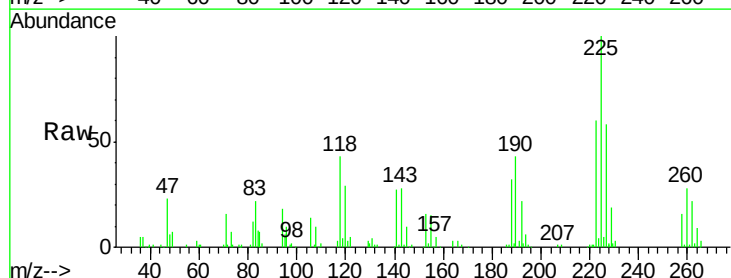
Manual Integrations
 APPROVED

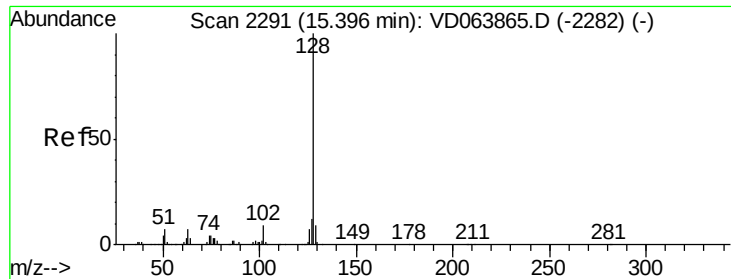
MMDadoda
 10/4/2019 4:31:43 PM



#94
 Hexachlorobutadiene
 Concen: 46.343 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063882.D
 Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97476		
223	60.9	29.5	88.6	
227	60.7	30.8	92.4	





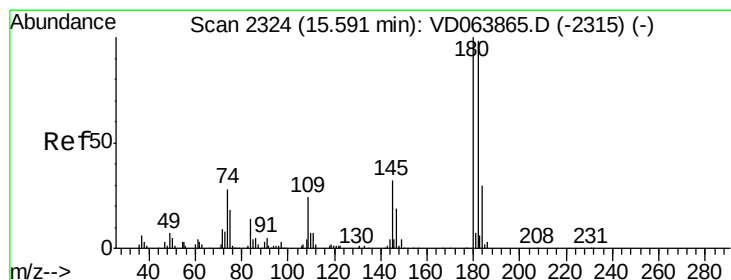
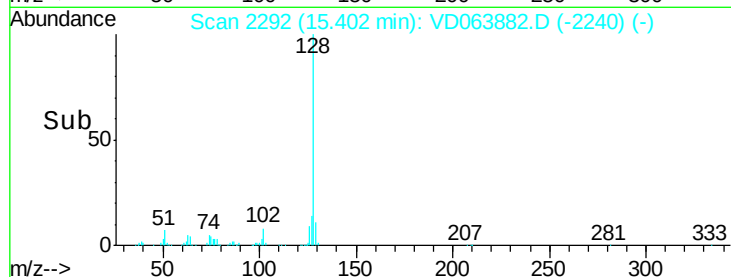
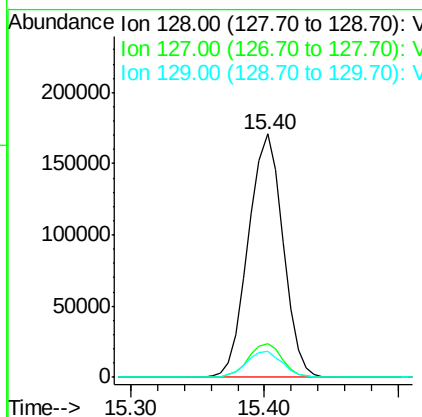
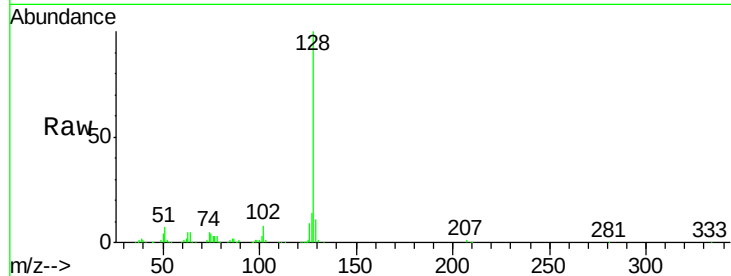
#95
Naphthalene
Concen: 47.858 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	306598		
127	13.6		10.6	16.0
129	11.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.627 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063882.D
Acq: 03 Oct 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150050		
182	95.5		47.0	141.0
145	31.0		15.3	45.9

