

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063961.D
 Acq On : 14 Oct 2019 17:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:32 AM

Quant Time: Oct 14 18:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	186470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	90015	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.92	113	92922	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.34	98	375747	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.63	95	128097	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	57759	43.677	ug/l	94
3) Chloromethane	2.21	50	201040	56.884	ug/l	94
4) Vinyl Chloride	2.34	62	226895	53.087	ug/l	100
5) Bromomethane	2.77	94	135529	49.324	ug/l	95
6) Chloroethane	2.92	64	144929	51.274	ug/l	94
7) Trichlorofluoromethane	3.27	101	313214	55.427	ug/l	96
8) Diethyl Ether	3.70	74	45913	50.620	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75496	48.265	ug/l	94
10) Methyl Iodide	4.29	142	96720	44.874	ug/l	98
11) Tert butyl alcohol	5.25	59	30535	241.846	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	70802	45.305	ug/l	93
13) Acrolein	3.92	56	17089	105.395	ug/l	93
14) Allyl chloride	4.71	41	123139	47.394	ug/l	99
15) Acrylonitrile	5.43	53	111827	279.647	ug/l	99
16) Acetone	4.17	43	113280	239.668	ug/l	89
17) Carbon Disulfide	4.40	76	257718	45.366	ug/l	96
18) Methyl Acetate	4.73	43	51003	55.171	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	205001	50.658	ug/l	93
20) Methylene Chloride	4.97	84	101305	48.196	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98158	50.455	ug/l	92
22) Diisopropyl ether	6.37	45	278985	52.575	ug/l	94
23) Vinyl Acetate	6.31	43	839607	265.977	ug/l	98
24) 1,1-Dichloroethane	6.26	63	170473	52.156	ug/l	97
25) 2-Butanone	7.23	43	148503	265.115	ug/l	96
26) 2,2-Dichloropropane	7.21	77	145774	49.303	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113661	51.617	ug/l	98
28) Bromochloromethane	7.54	49	67948	54.506	ug/l	98
29) Tetrahydrofuran	7.57	42	84766	259.265	ug/l	99
30) Chloroform	7.71	83	186510	52.538	ug/l	99
31) Cyclohexane	7.99	56	154964	57.982	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	160106	52.576	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145137	53.950	ug/l	98
37) Ethyl Acetate	7.30	43	60012	56.120	ug/l	97
38) Carbon Tetrachloride	8.10	117	144913	53.305	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063961.D
 Acq On : 14 Oct 2019 17:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:32 AM

Quant Time: Oct 14 18:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184994	55.927	ug/l	95
40) Benzene	8.35	78	409082	53.063	ug/l	98
41) Methacrylonitrile	7.53	41	26876	43.090	ug/l	91
42) 1,2-Dichloroethane	8.43	62	116138	52.079	ug/l	99
43) Isopropyl Acetate	8.46	43	116085	51.454	ug/l	97
44) Trichloroethene	9.11	130	117185	52.713	ug/l	92
45) 1,2-Dichloropropane	9.39	63	98554	52.228	ug/l	97
46) Dibromomethane	9.48	93	60601	56.391	ug/l	97
47) Bromodichloromethane	9.67	83	143533	51.876	ug/l	90
48) Methyl methacrylate	9.46	41	53546	49.535	ug/l	96
49) 1,4-Dioxane	9.46	88	17128	1167.628	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	316842	270.789	ug/l	97
52) Toluene	10.40	92	287390	54.303	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	142859	52.912	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	166636	53.617	ug/l	89
55) 1,1,2-Trichloroethane	10.80	97	85909	56.617	ug/l	89
56) Ethyl methacrylate	10.66	69	103432	53.828	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142277	54.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	210890	255.330	ug/l	100
59) 2-Hexanone	10.99	43	234607	277.184	ug/l	99
60) Dibromochloromethane	11.14	129	111003	56.191	ug/l	99
61) 1,2-Dibromoethane	11.25	107	83920	57.048	ug/l	99
64) Tetrachloroethene	10.88	164	109002	52.851	ug/l	97
65) Chlorobenzene	11.67	112	327708	54.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119169	53.304	ug/l	99
67) Ethyl Benzene	11.75	91	589300	53.865	ug/l	96
68) m/p-Xylenes	11.86	106	467312	110.665	ug/l	98
69) o-Xylene	12.18	106	216340	53.504	ug/l	98
70) Styrene	12.20	104	381064	55.670	ug/l	100
71) Bromoform	12.36	173	70543	58.796	ug/l #	97
73) Isopropylbenzene	12.48	105	593295	52.070	ug/l	97
74) N-amyl acetate	12.29	43	120615	49.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	101947	51.417	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	67283m	59.269	ug/l	
77) Bromobenzene	12.76	156	146993	51.780	ug/l	97
78) n-propylbenzene	12.82	91	712701	53.288	ug/l	99
79) 2-Chlorotoluene	12.91	91	378302	51.298	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	503995	53.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31274	48.750	ug/l	97
82) 4-Chlorotoluene	13.01	91	401016	51.261	ug/l	100
83) tert-Butylbenzene	13.23	119	432361	51.106	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	514019	52.451	ug/l	98
85) sec-Butylbenzene	13.40	105	617072	54.010	ug/l	100
86) p-Isopropyltoluene	13.52	119	599680	55.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	300933	53.650	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	293488	53.037	ug/l	99
89) n-Butylbenzene	13.84	91	543952	54.053	ug/l	99
90) Hexachloroethane	14.11	117	109820	56.479	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	262080	54.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17727	57.933	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
Data File : VD063961.D
Acq On : 14 Oct 2019 17:48
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

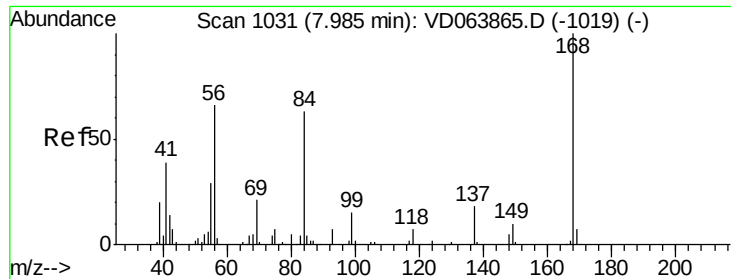
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM

Quant Time: Oct 14 18:12:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	202363	54.255	ug/l	98
94) Hexachlorobutadiene	15.27	225	114530	55.644	ug/l	95
95) Naphthalene	15.40	128	360960	57.579	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	172376	53.565	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 186470

Ion Ratio Lower Upper

168 100

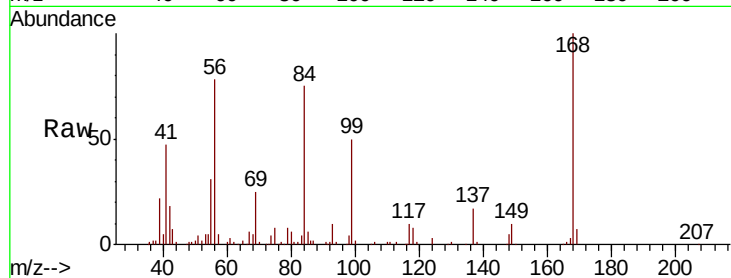
99 50.5 43.0 64.4

Manual Integrations

APPROVED

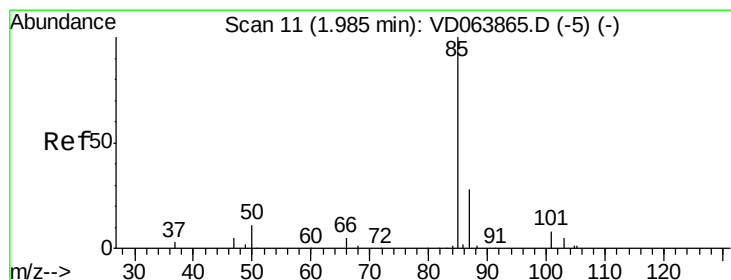
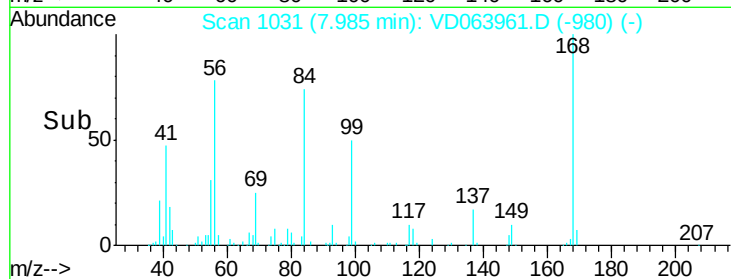
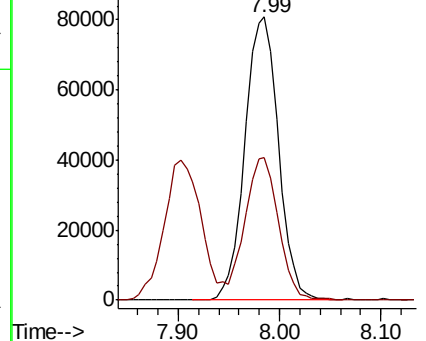
MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.677 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063961.D

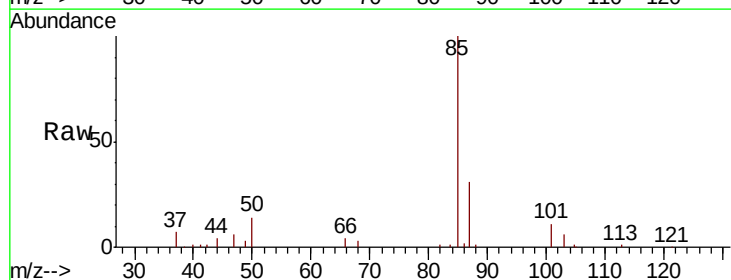
Acq: 14 Oct 2019 17:48

Tgt Ion: 85 Resp: 57759

Ion Ratio Lower Upper

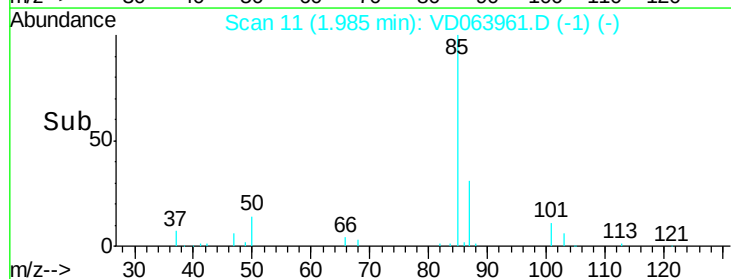
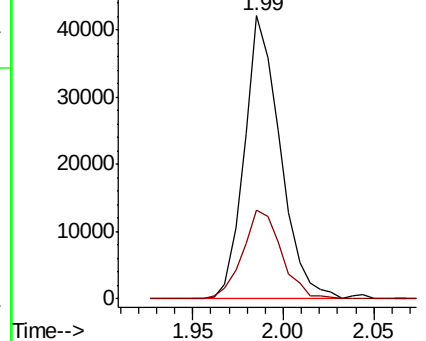
85 100

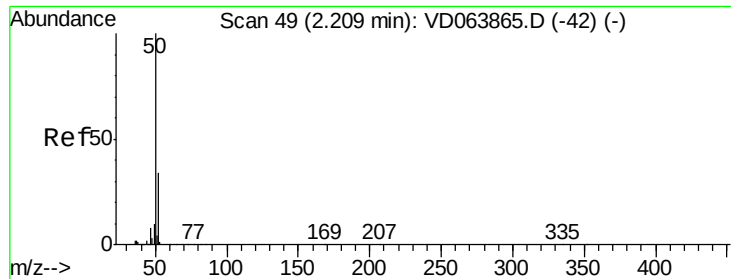
87 31.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.884 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 201040

Ion Ratio Lower Upper

50 100

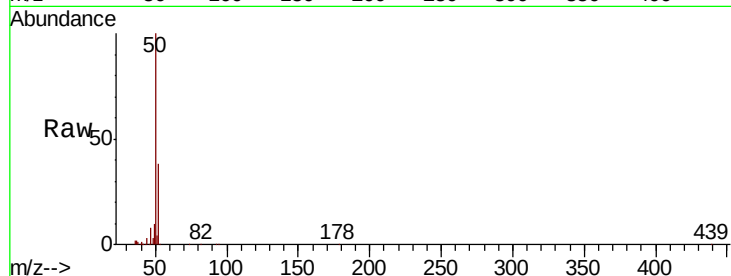
52 37.9 27.5 41.3

Manual Integrations

APPROVED

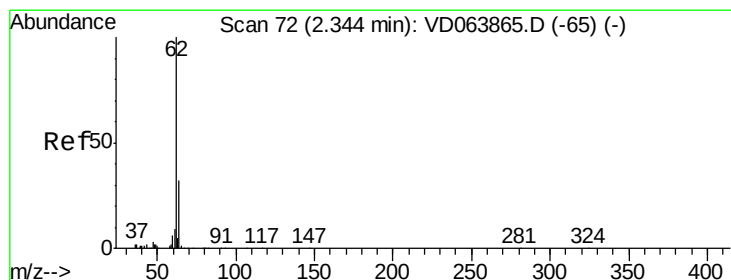
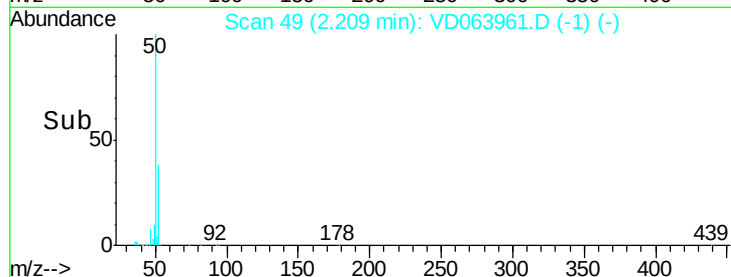
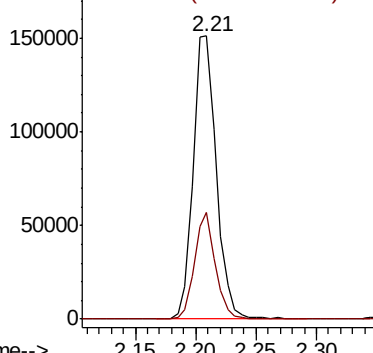
MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.087 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063961.D

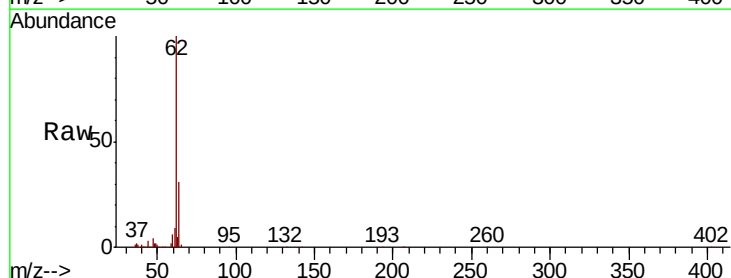
Acq: 14 Oct 2019 17:48

Tgt Ion: 62 Resp: 226895

Ion Ratio Lower Upper

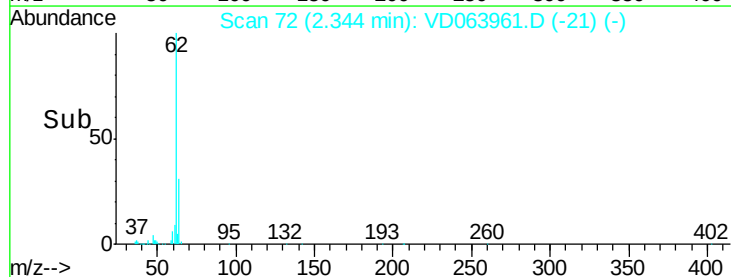
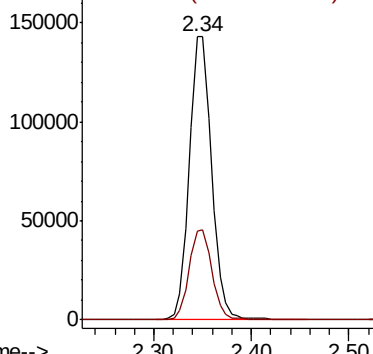
62 100

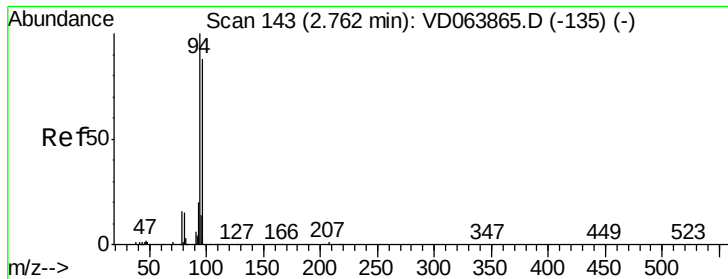
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.324 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 135529

Ion Ratio Lower Upper

94 100

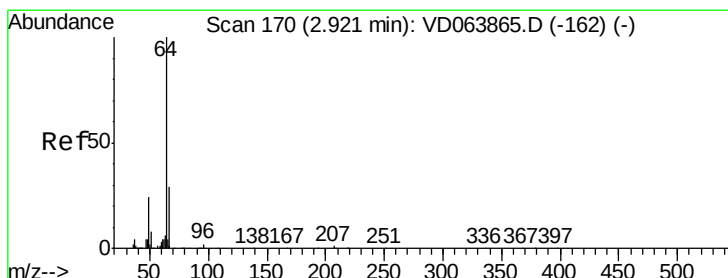
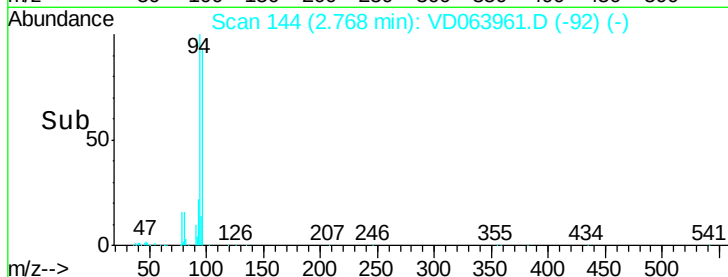
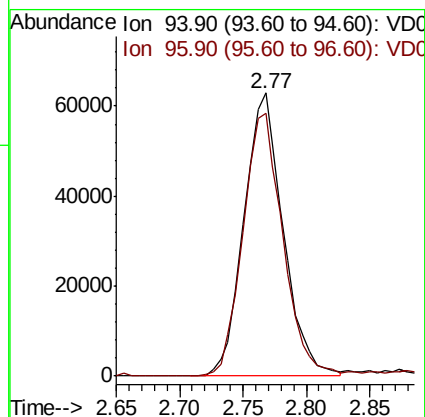
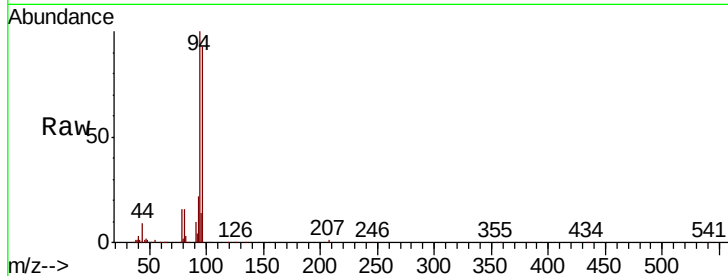
96 92.9 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:54:32 AM



#6

Chloroethane

Concen: 51.274 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063961.D

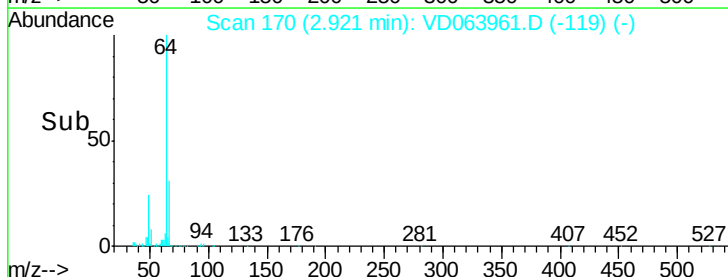
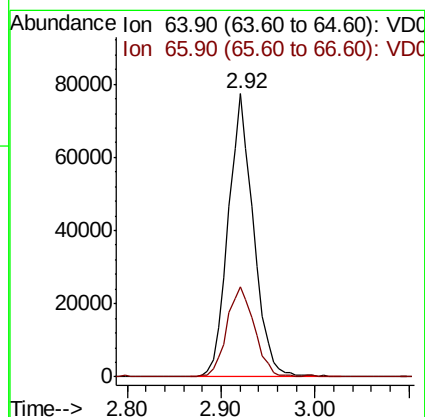
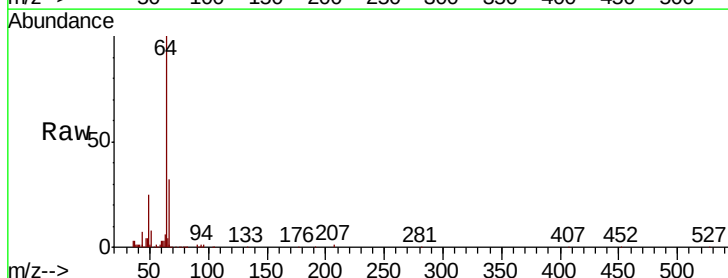
Acq: 14 Oct 2019 17:48

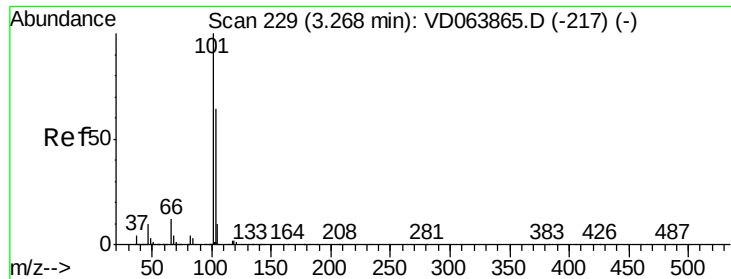
Tgt Ion: 64 Resp: 144929

Ion Ratio Lower Upper

64 100

66 31.6 23.0 34.4





#7

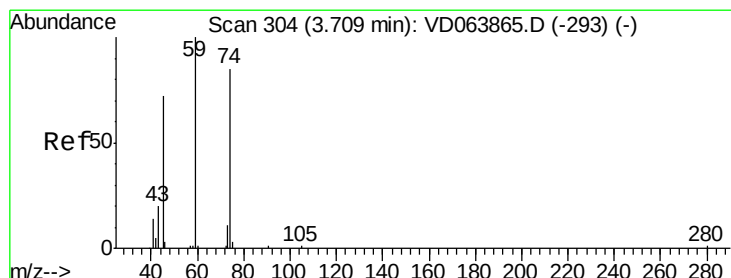
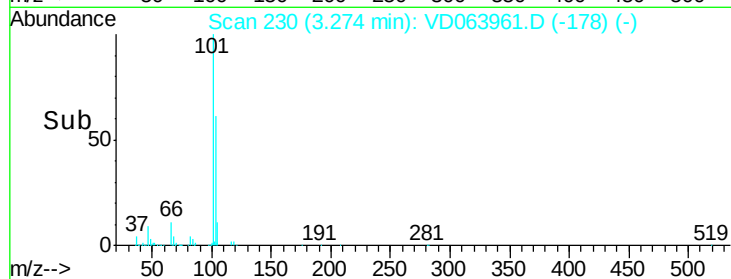
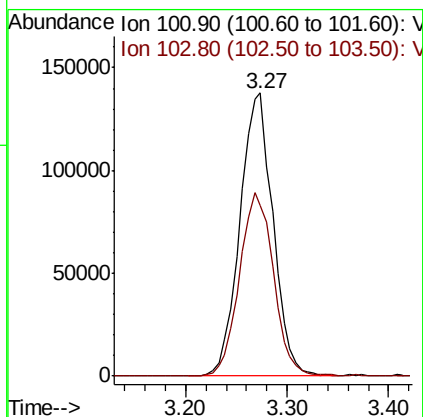
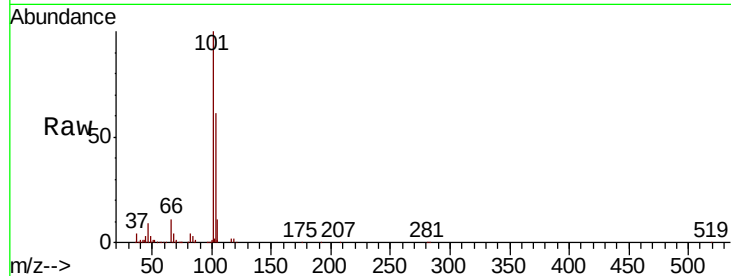
Trichlorofluoromethane
Concen: 55.427 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.1	76.7

Manual Integrations
APPROVED

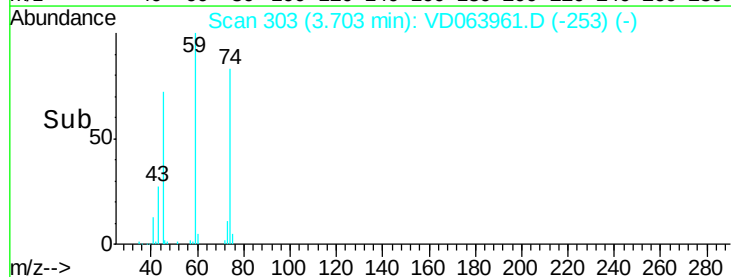
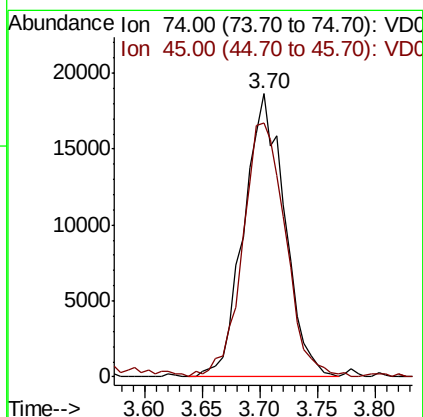
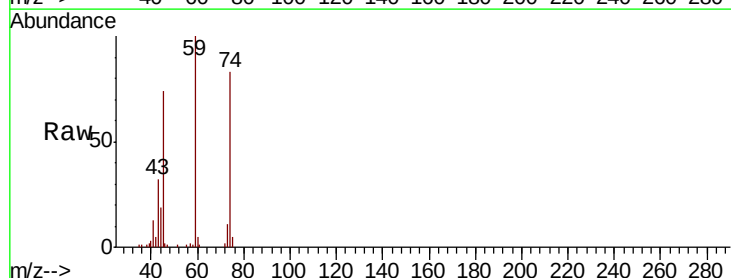
MMDadoda
10/16/2019 12:54:32 AM

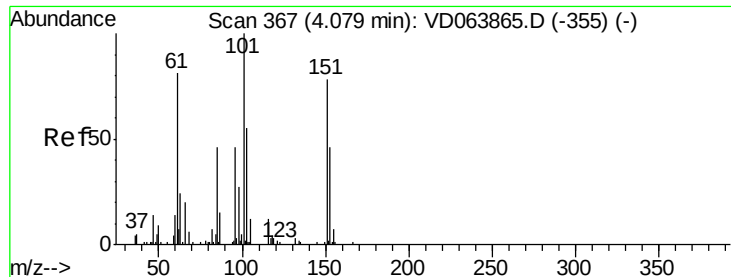


#8

Diethyl Ether
Concen: 50.620 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.265 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

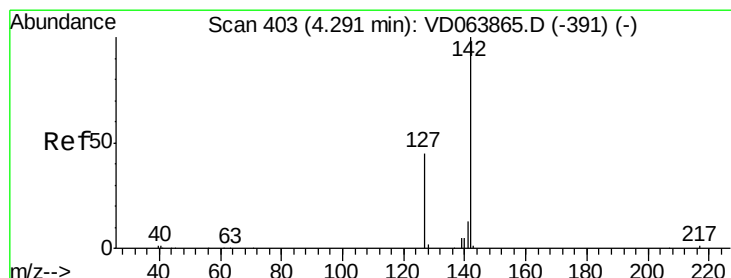
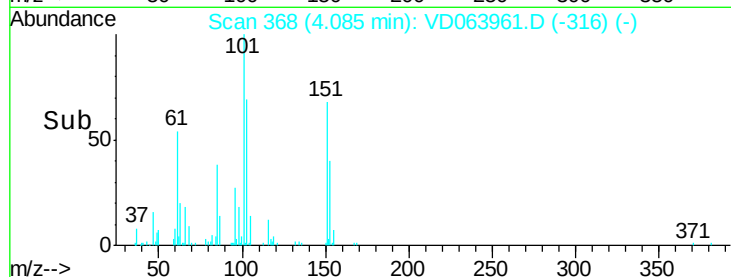
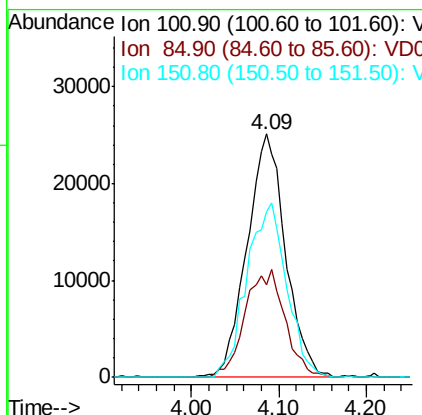
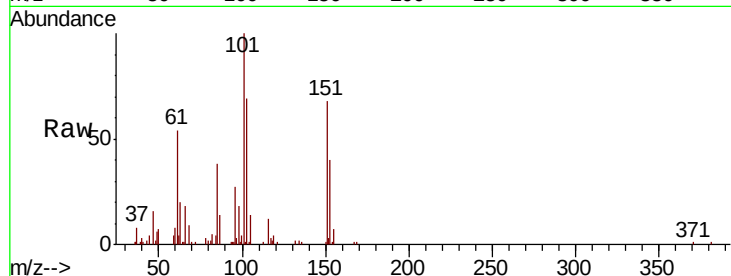
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75496
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.5	56.3
151	73.9	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#10

Methyl Iodide

Concen: 44.874 ug/l

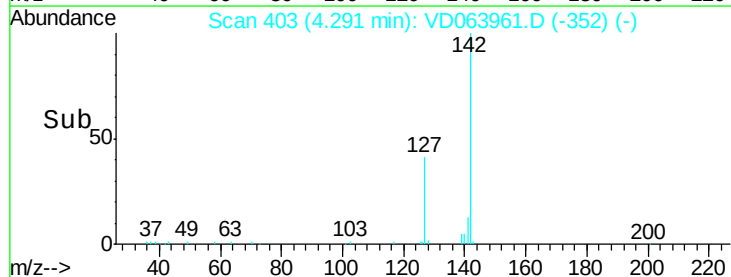
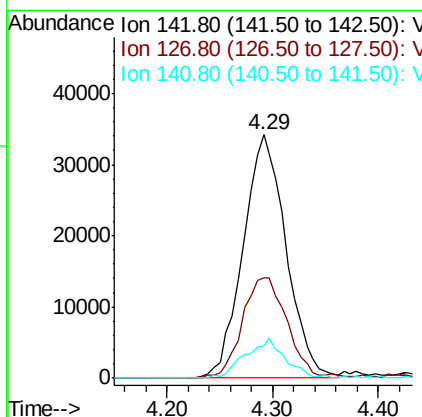
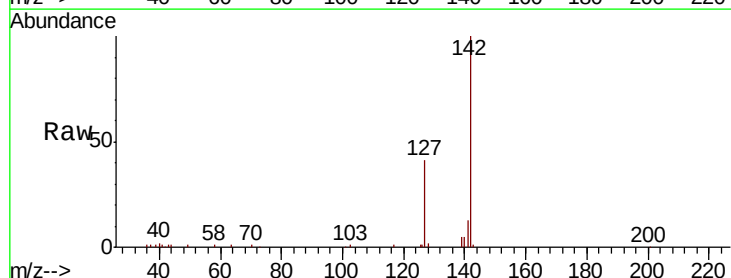
RT: 4.29 min Scan# 403

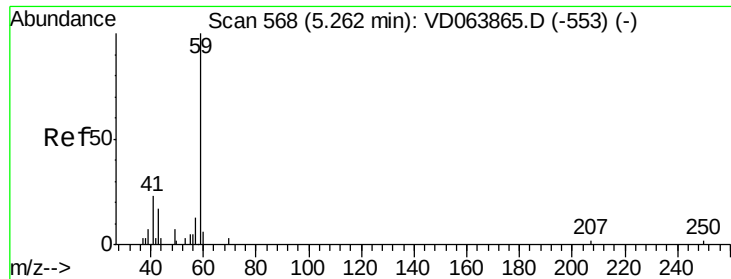
Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion:	142	Resp:	96720
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.3	52.9
141	15.0	12.2	18.2





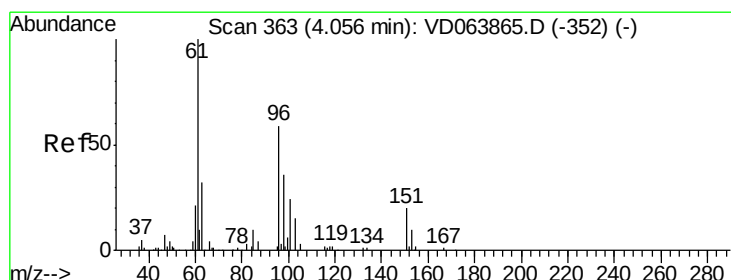
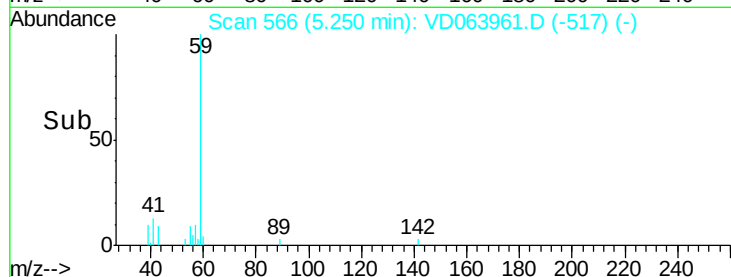
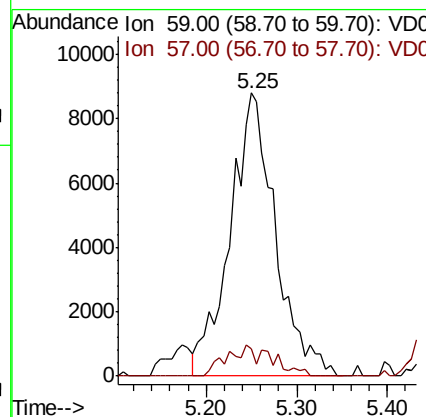
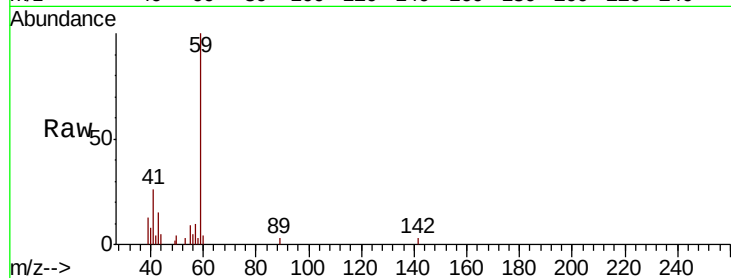
#11
Tert butyl alcohol
Concen: 241.846 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 30535
Ion Ratio Lower Upper
59 100
57 6.6 8.8 13.2#

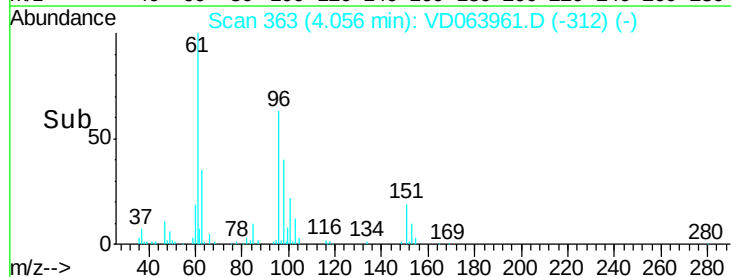
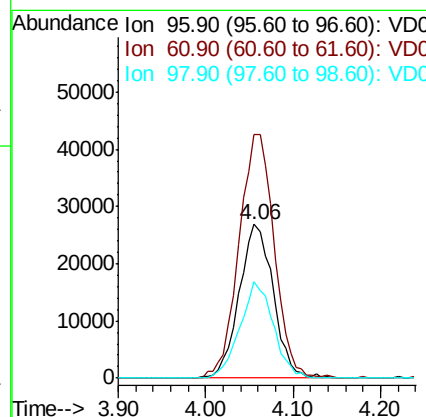
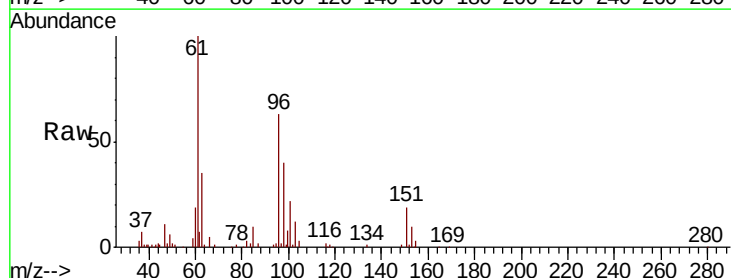
Manual Integrations
APPROVED

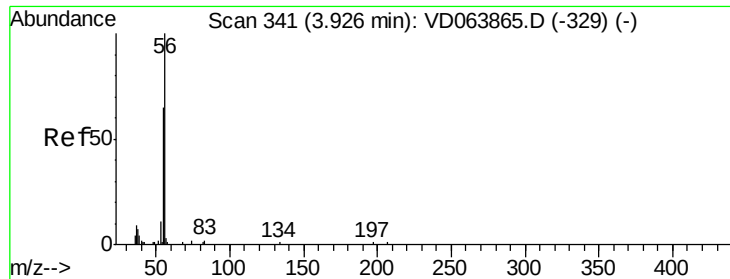
MMDadoda
10/16/2019 12:54:32 AM



#12
1,1-Dichloroethene
Concen: 45.305 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion: 96 Resp: 70802
Ion Ratio Lower Upper
96 100
61 158.3 135.6 203.4
98 63.1 49.2 73.8





#13

Acrolein

Concen: 105.395 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 17089

Ion Ratio Lower Upper

56 100

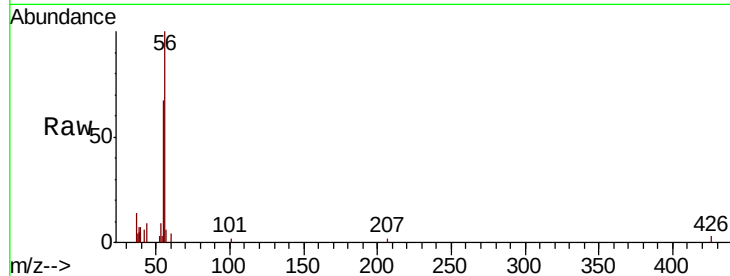
55 71.6 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

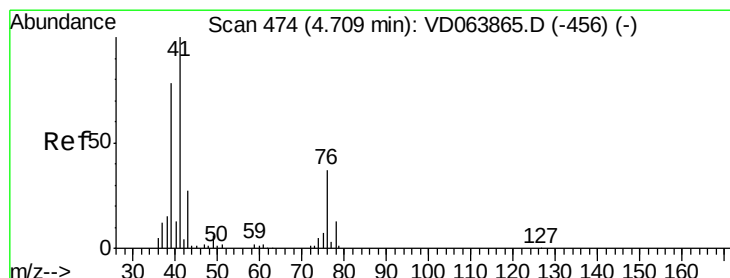
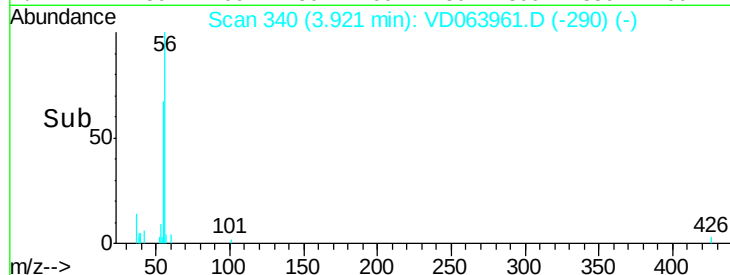
4000

2000

0

Time--> 3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 47.394 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

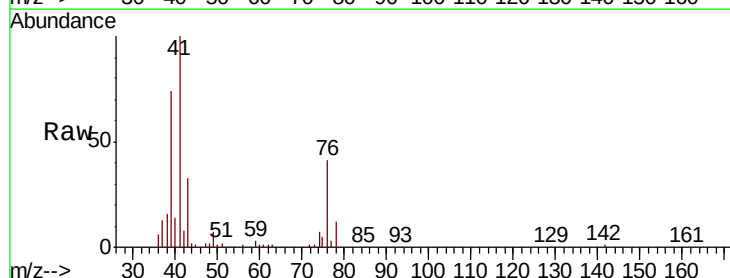
Tgt Ion: 41 Resp: 123139

Ion Ratio Lower Upper

41 100

39 75.8 61.8 92.6

76 39.7 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

50000

40000

30000

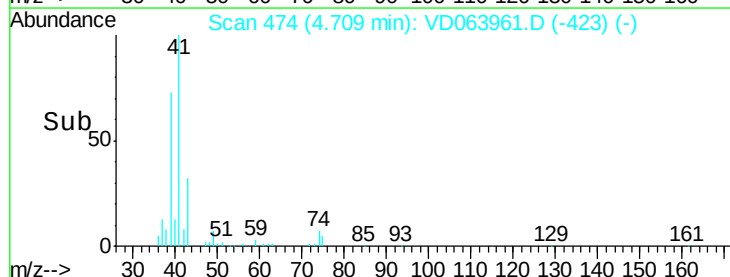
20000

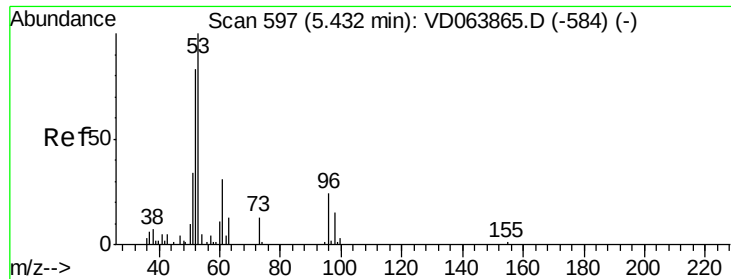
10000

0

Time--> 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 279.647 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

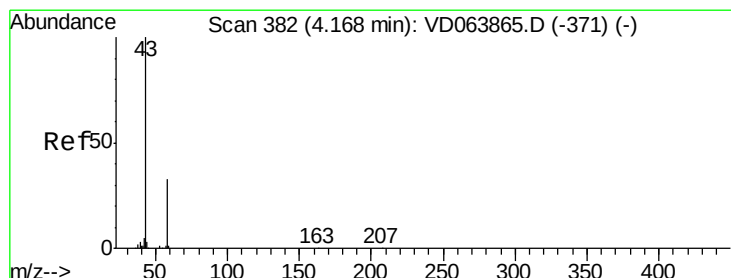
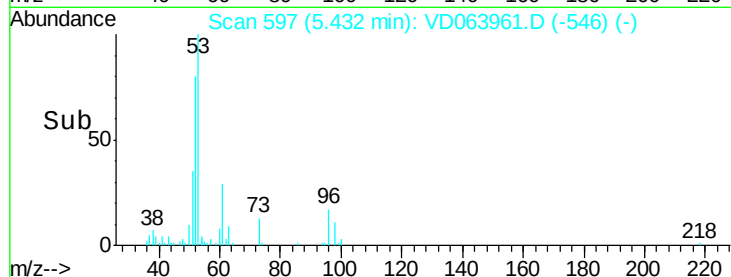
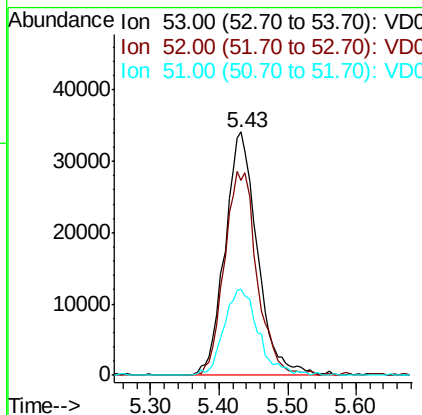
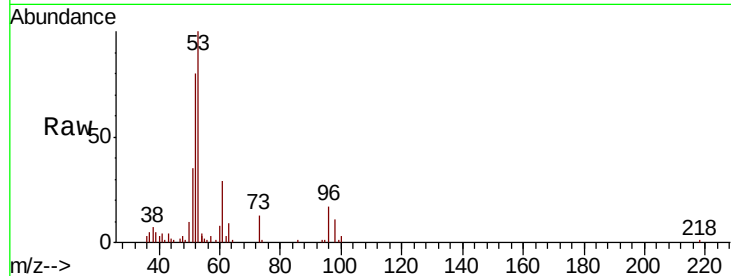
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	111827
Ion Ratio	Lower	Upper	
53	100		
52	83.5	67.3	100.9
51	36.9	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#16

Acetone

Concen: 239.668 ug/l

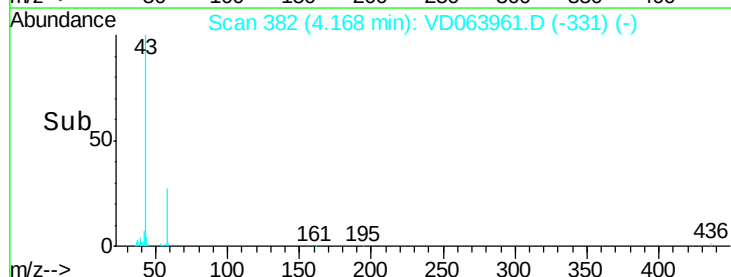
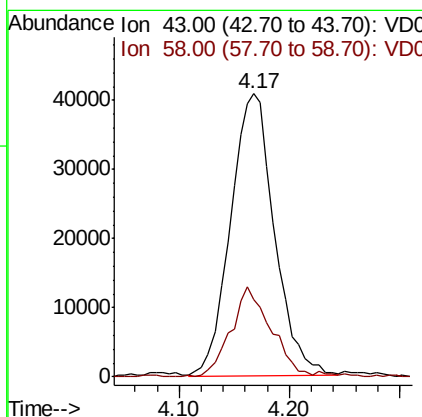
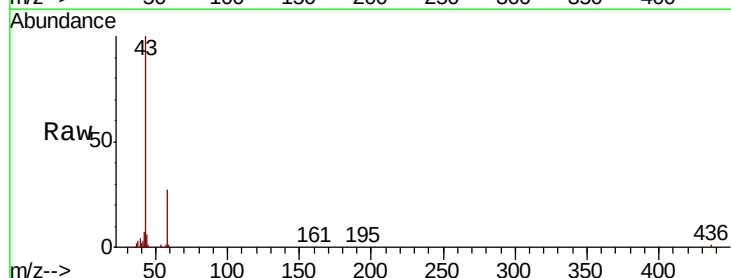
RT: 4.17 min Scan# 382

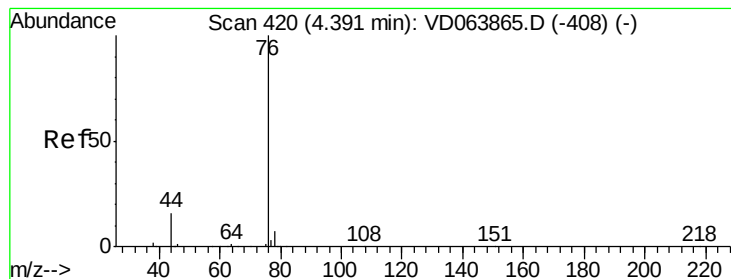
Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion:	43	Resp:	113280
Ion Ratio	Lower	Upper	
43	100		
58	26.8	26.2	39.4





#17

Carbon Disulfide

Concen: 45.366 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 257718

Ion Ratio Lower Upper

76 100

78 8.6

5.8

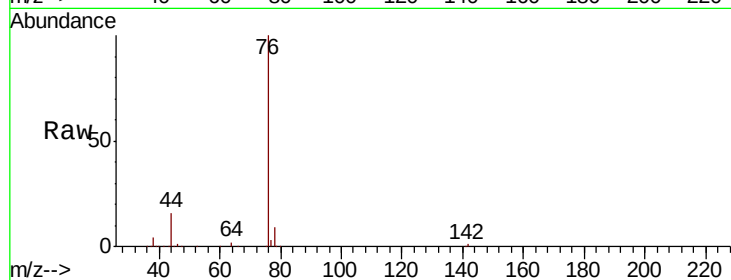
8.8

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

100000

80000

60000

40000

20000

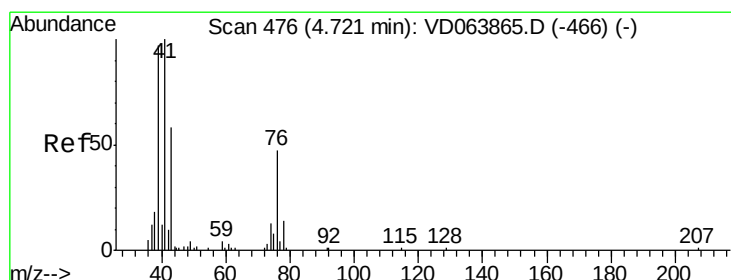
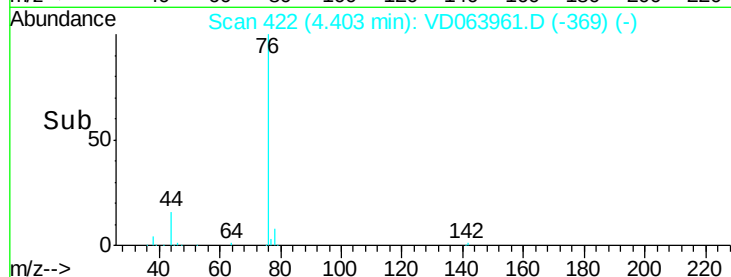
0

4.30

4.40

4.50

Time-->



#18

Methyl Acetate

Concen: 55.171 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion: 43 Resp: 51003

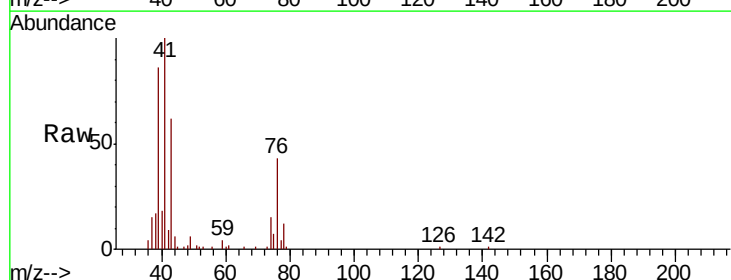
Ion Ratio Lower Upper

43 100

74 25.6

20.8

31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

10000

5000

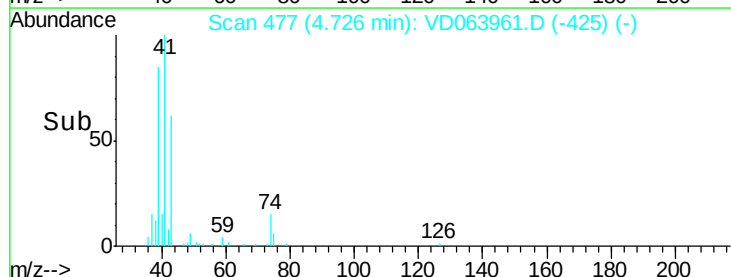
0

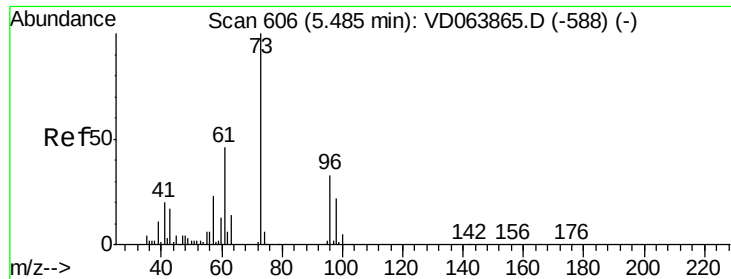
4.60

4.70

4.80

Time-->





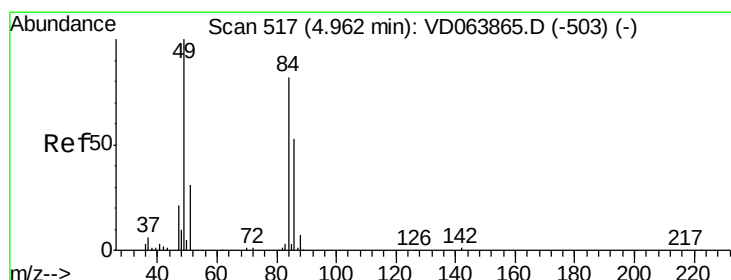
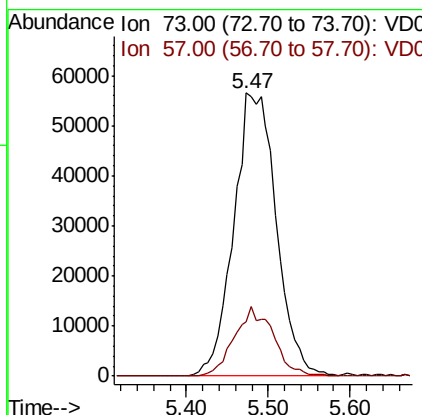
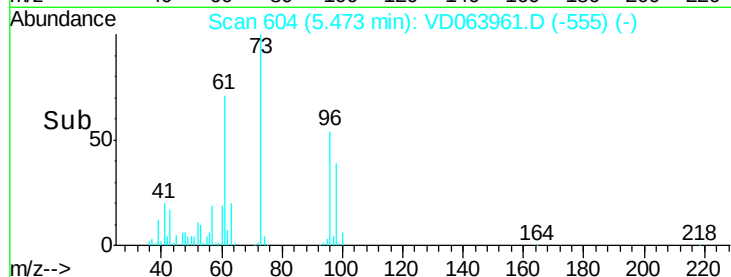
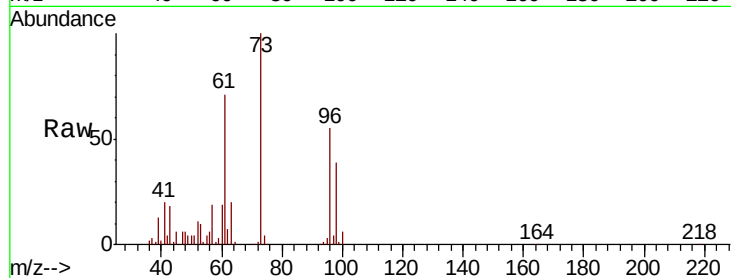
#19
Methyl tert-butyl Ether
Concen: 50.658 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	18.1	27.1

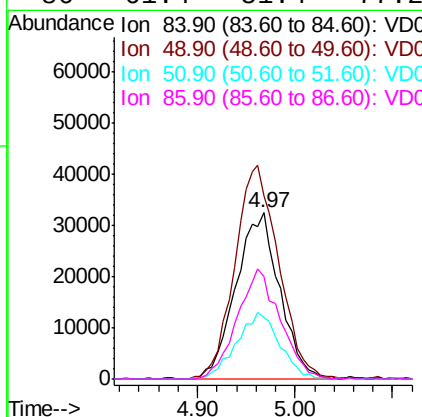
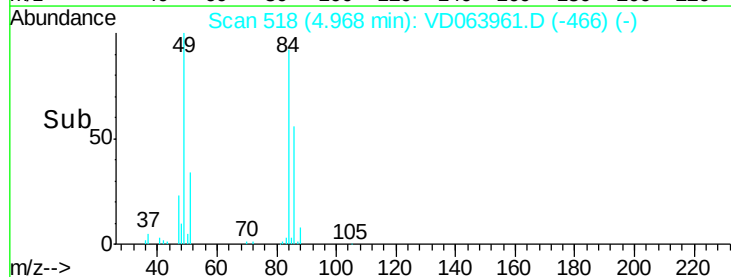
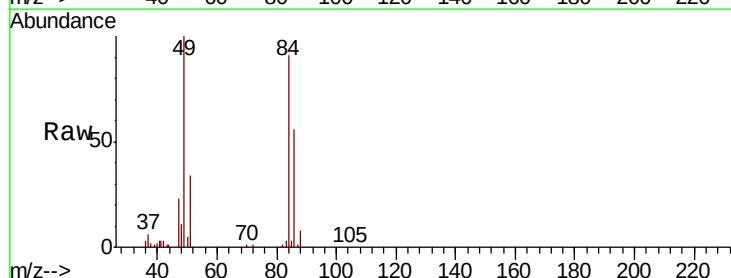
Manual Integrations
APPROVED

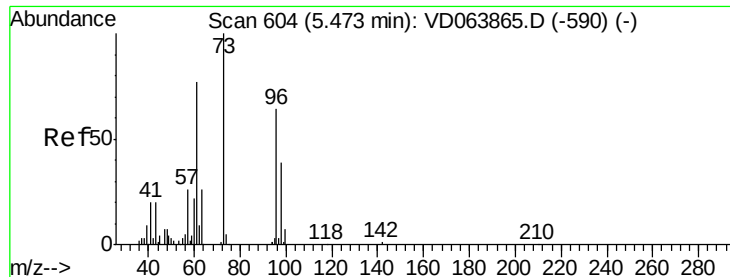
MMDadoda
10/16/2019 12:54:32 AM



#20
Methylene Chloride
Concen: 48.196 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	97.3	145.9
51	37.0	30.1	45.1
86	61.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 50.455 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

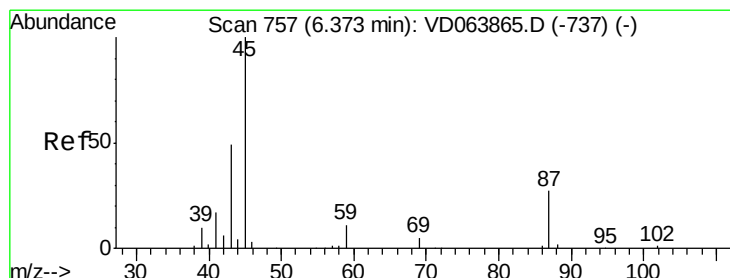
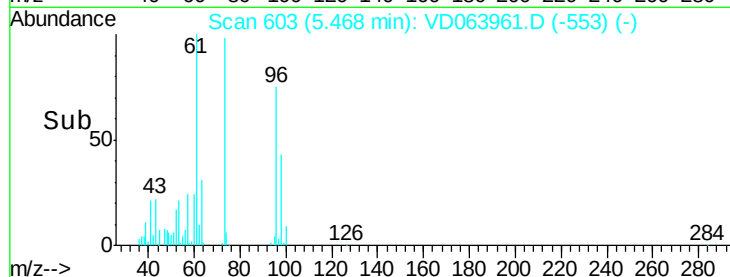
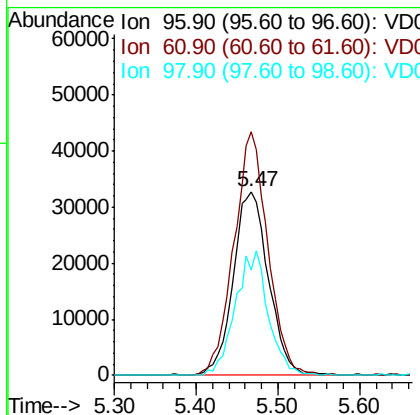
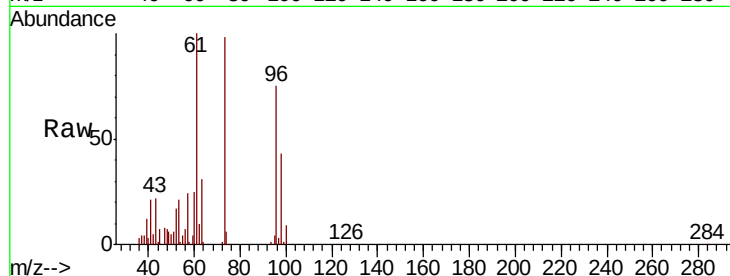
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	98158
Ion	Ratio	Lower	Upper
96	100		
61	132.5	96.6	145.0
98	57.4	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#22

Diisopropyl ether

Concen: 52.575 ug/l

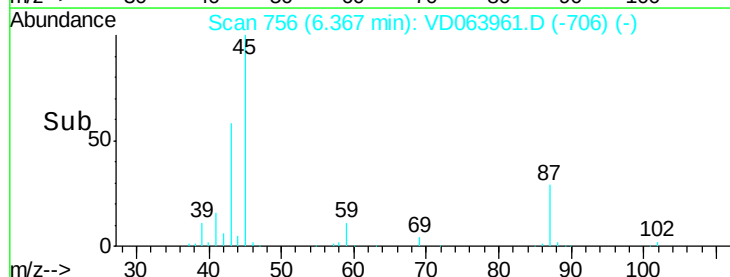
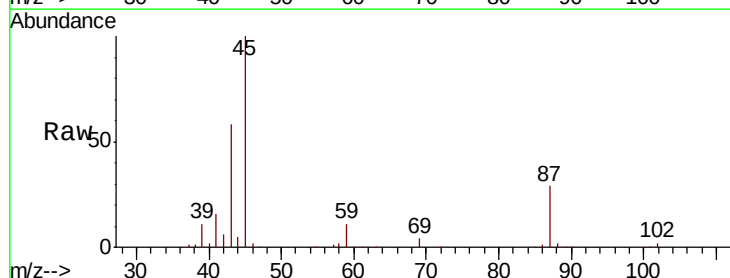
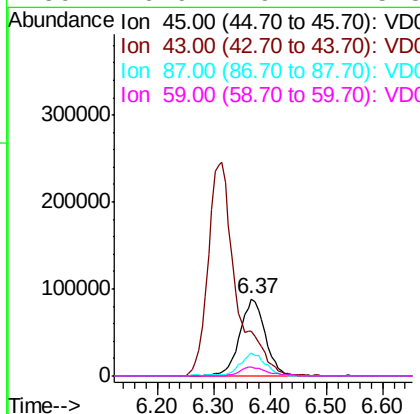
RT: 6.37 min Scan# 756

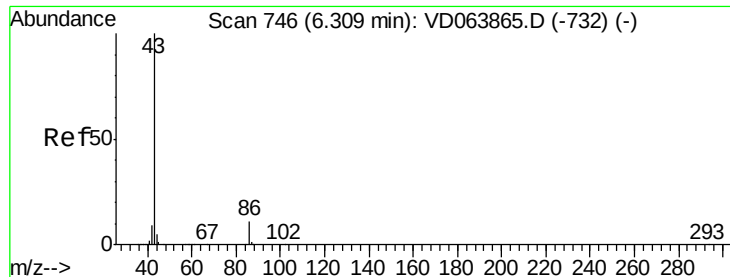
Delta R.T. -0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion:	45	Resp:	278985
Ion	Ratio	Lower	Upper
45	100		
43	57.7	41.2	61.8
87	29.3	22.2	33.4
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 265.977 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 839607

Ion Ratio Lower Upper

43 100

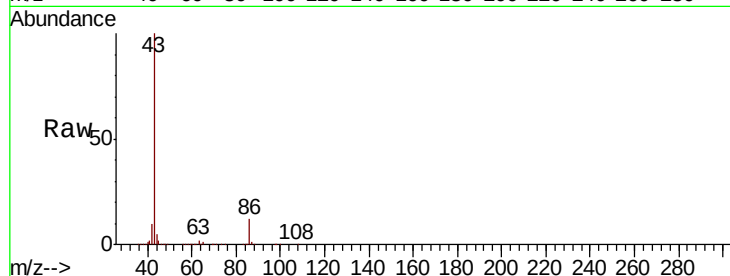
86 11.7 8.8 13.2

Manual Integrations

APPROVED

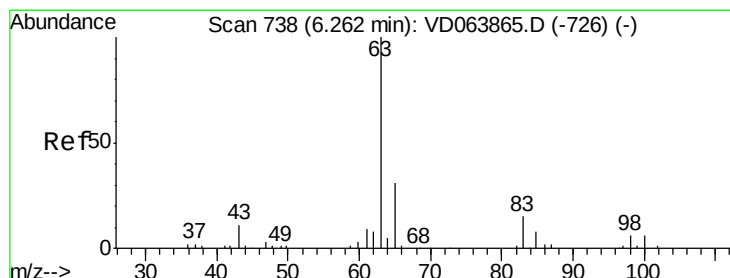
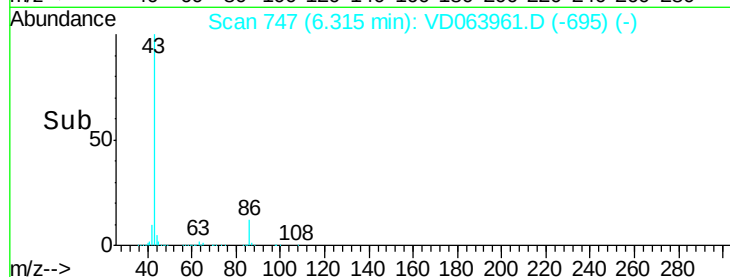
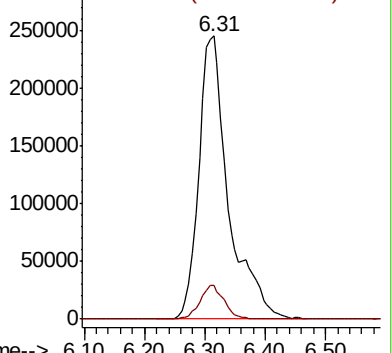
MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.156 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

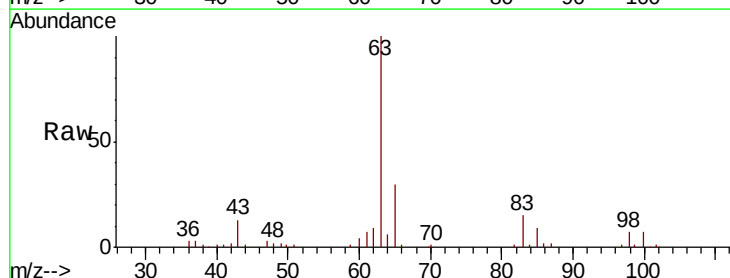
Tgt Ion: 63 Resp: 170473

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.4

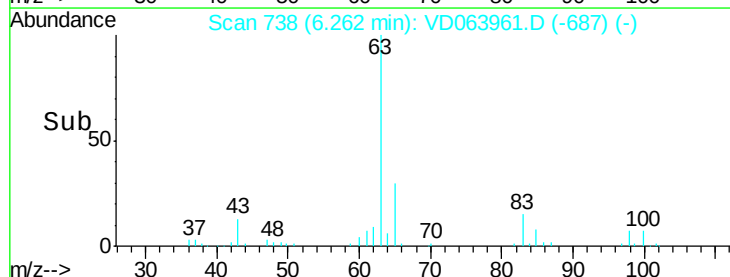
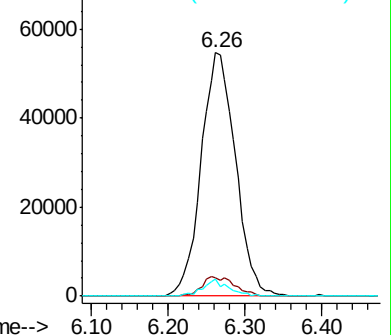
100 6.8 3.0 9.2

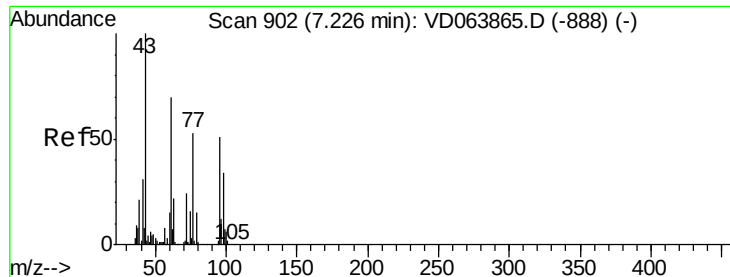


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 265.115 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 148503

Ion Ratio Lower Upper

43 100

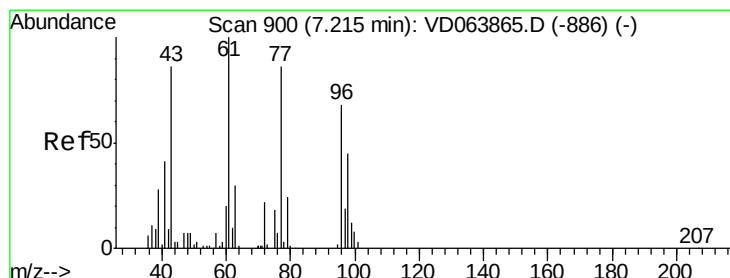
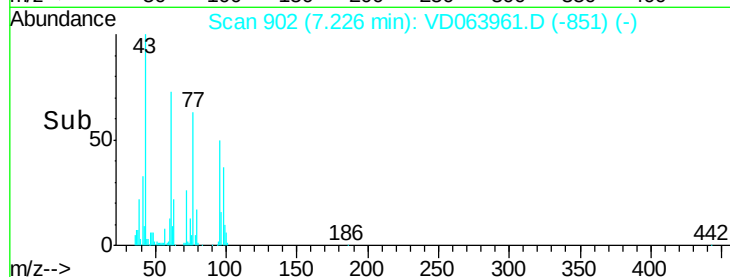
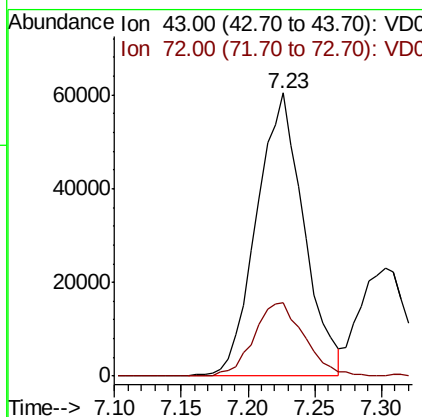
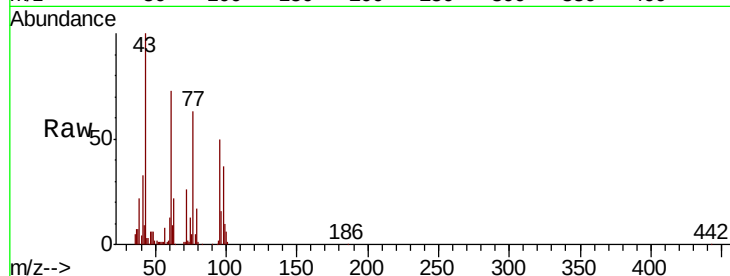
72 26.0 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:54:32 AM



#26

2,2-Dichloropropane

Concen: 49.303 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063961.D

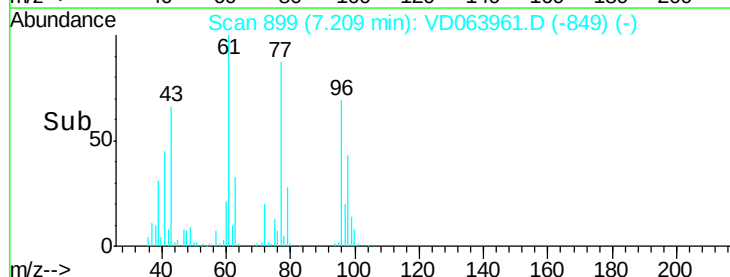
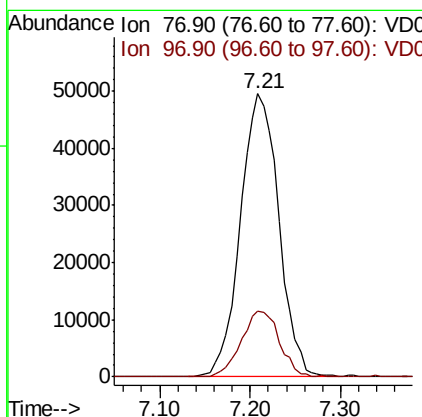
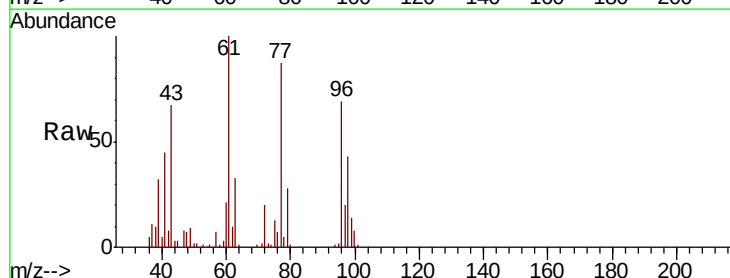
Acq: 14 Oct 2019 17:48

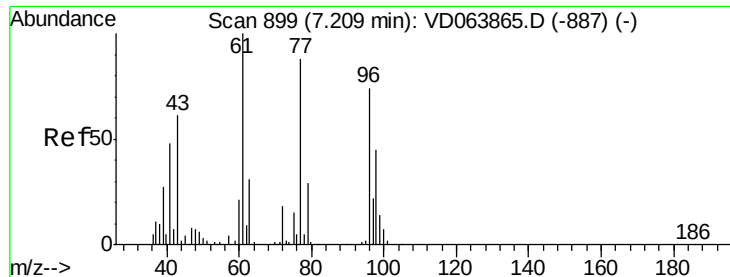
Tgt Ion: 77 Resp: 145774

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1





#27

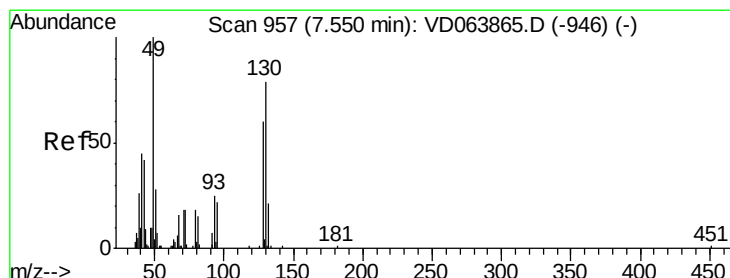
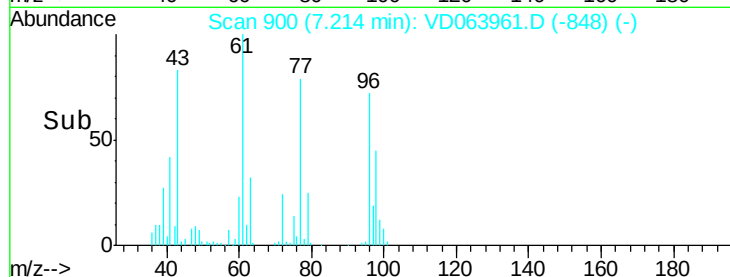
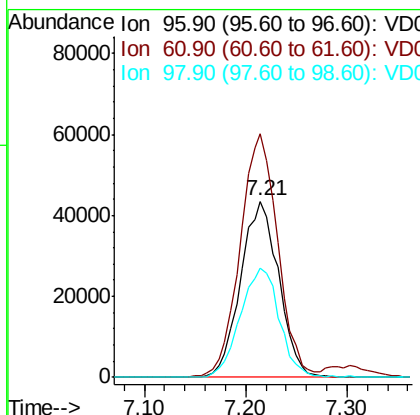
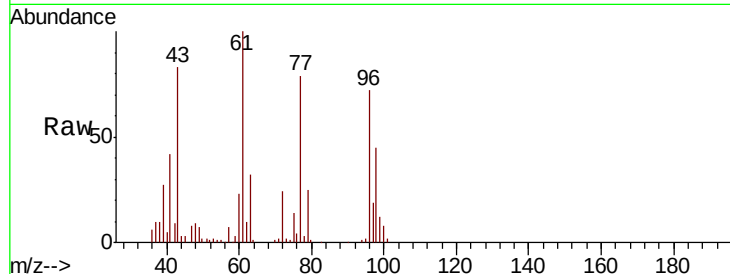
cis-1,2-Dichloroethene
 Concen: 51.617 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.9	0.0	280.0	
98	63.6	0.0	130.4	

Manual Integrations
 APPROVED

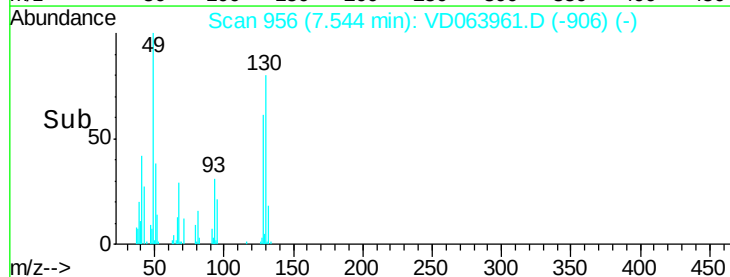
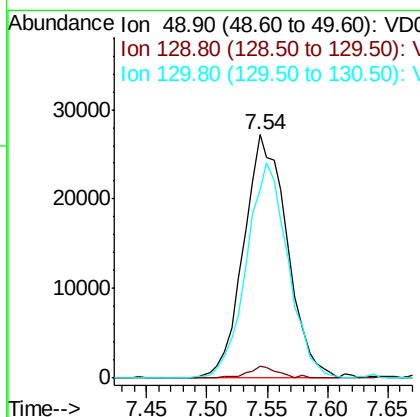
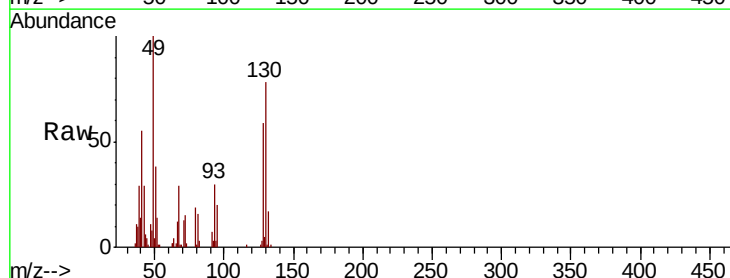
MMDadoda
 10/16/2019 12:54:32 AM

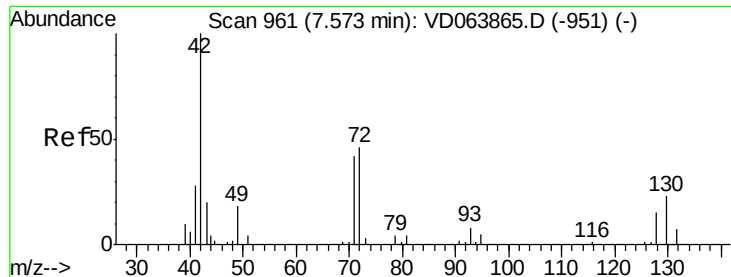


#28

Bromochloromethane
 Concen: 54.506 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.5	0.0	5.6	
130	85.0	66.8	100.2	





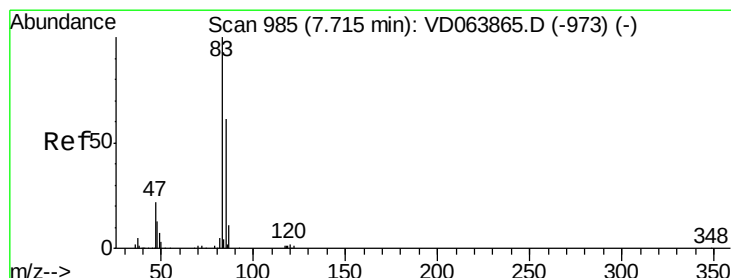
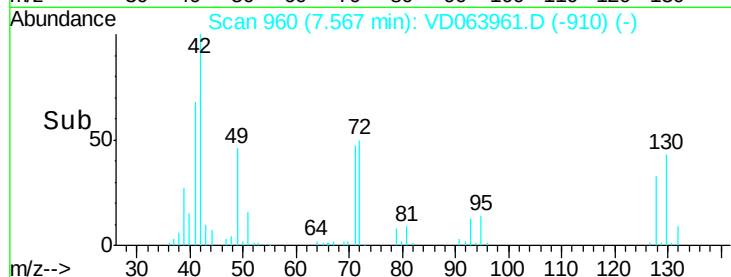
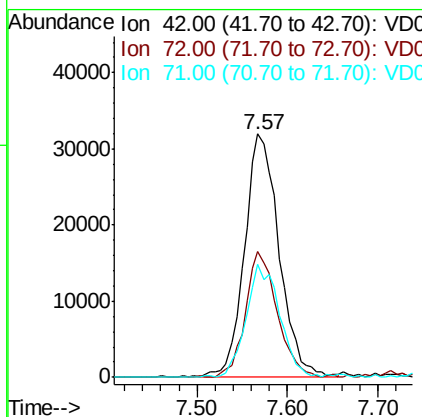
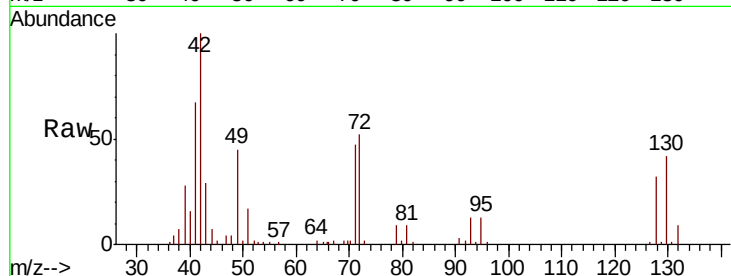
#29
Tetrahydrofuran
Concen: 259.265 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	44.9	35.0	52.6

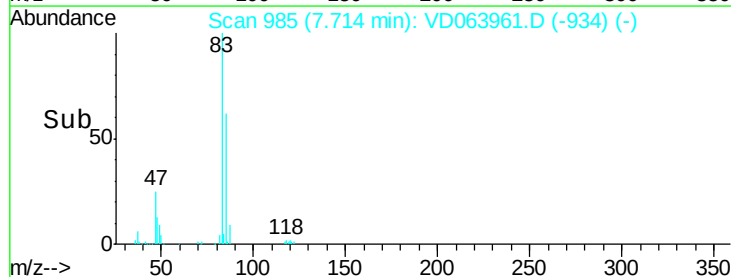
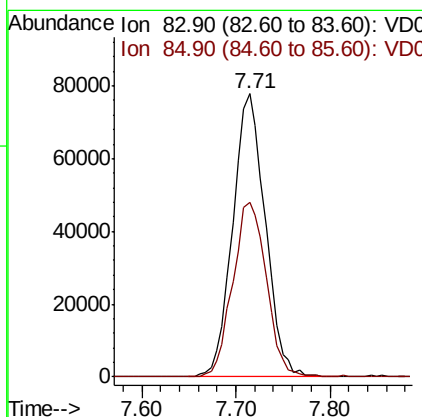
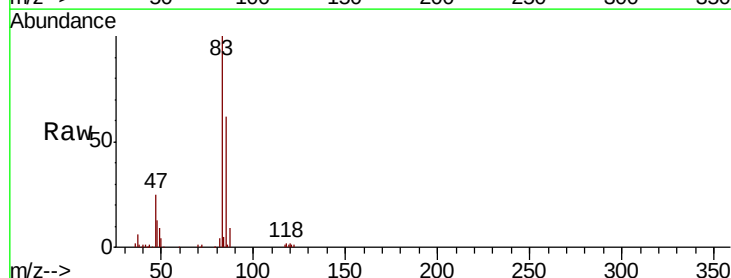
Manual Integrations
APPROVED

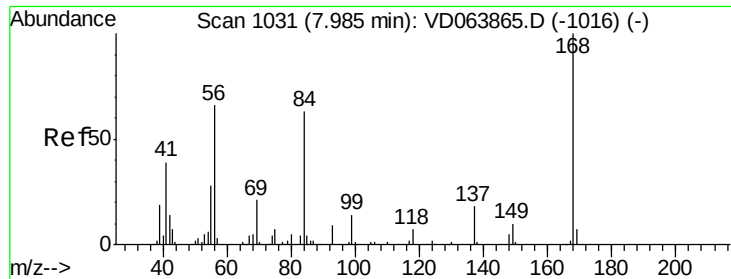
MMDadoda
10/16/2019 12:54:32 AM



#30
Chloroform
Concen: 52.538 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	48.9	73.3





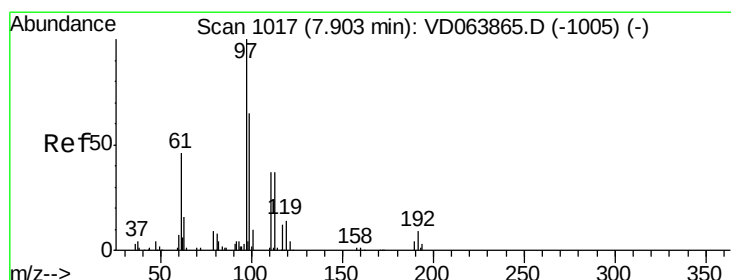
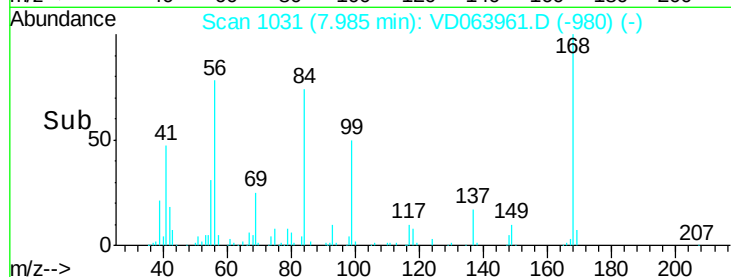
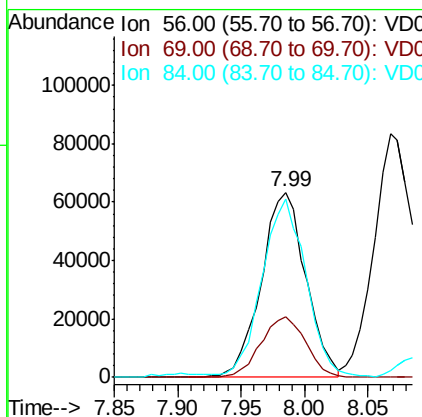
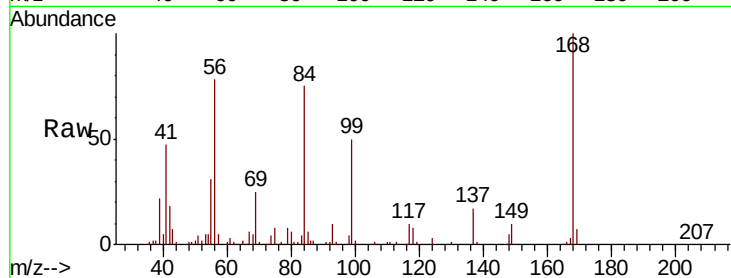
#31
Cyclohexane
Concen: 57.982 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.0	37.4
84	94.7	76.3	114.5

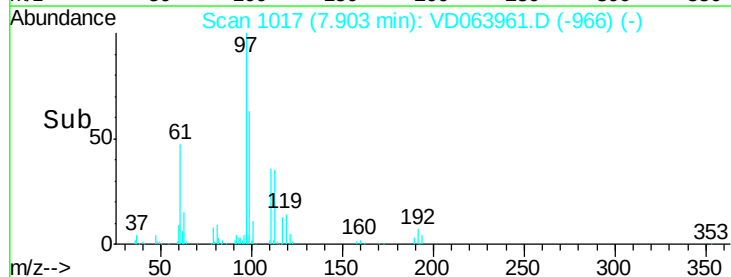
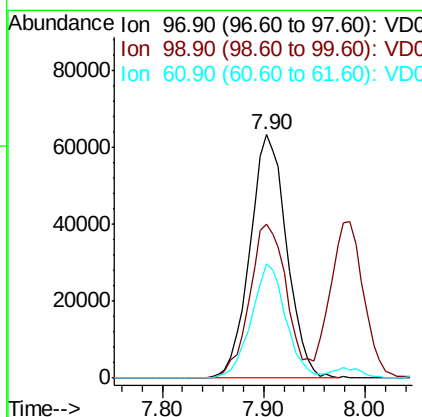
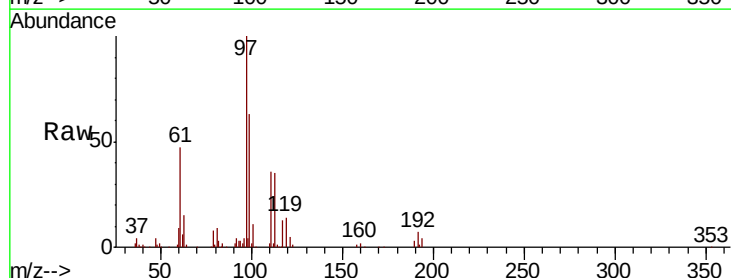
Manual Integrations
APPROVED

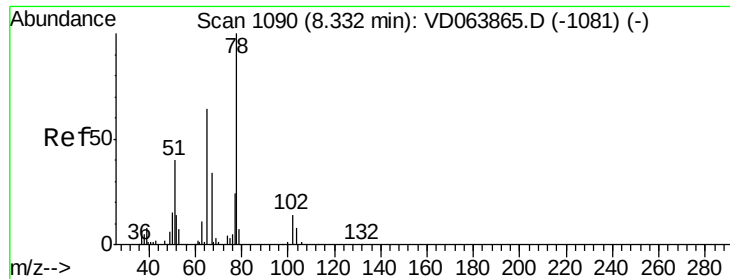
MMDadoda
10/16/2019 12:54:32 AM



#32
1,1,1-Trichloroethane
Concen: 52.576 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	44.5	33.8	50.8





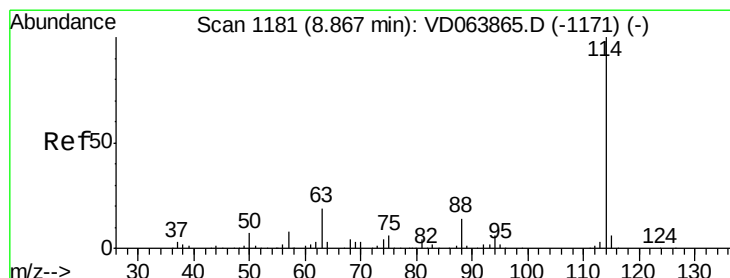
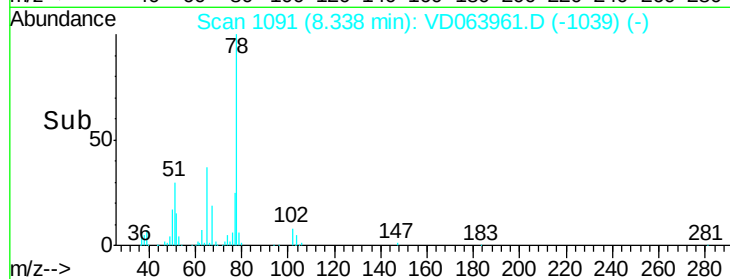
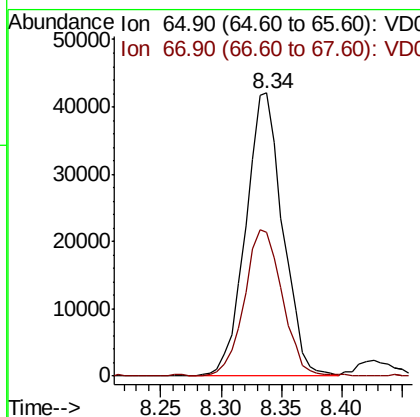
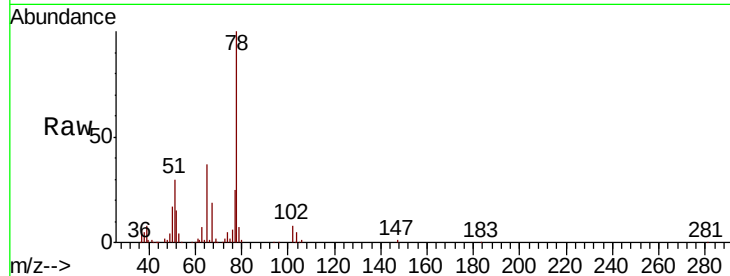
#33
 1,2-Dichloroethane-d4
 Concen: 49.583 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	106.4	

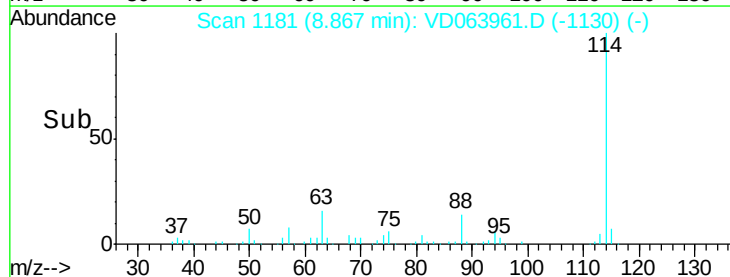
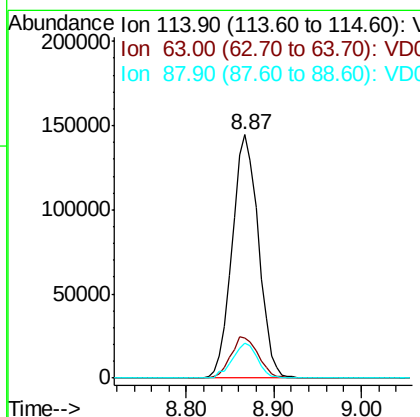
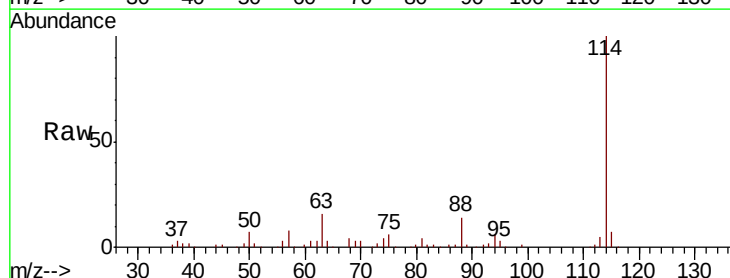
Manual Integrations
 APPROVED

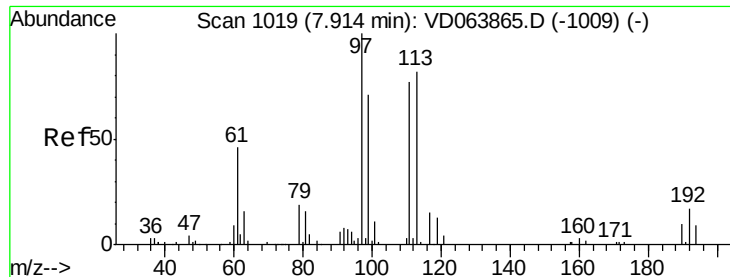
MMDadoda
 10/16/2019 12:54:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.5	0.0	38.4	
88	14.3	0.0	27.4	





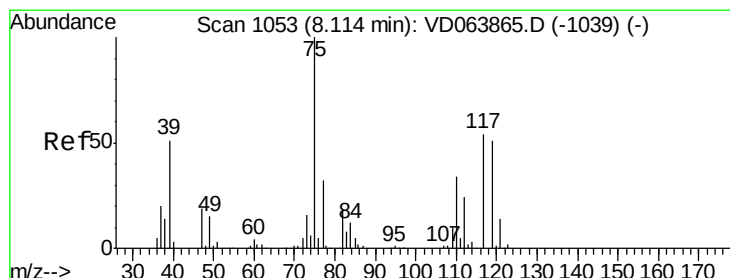
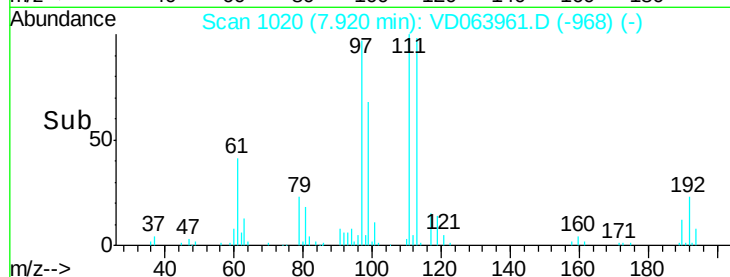
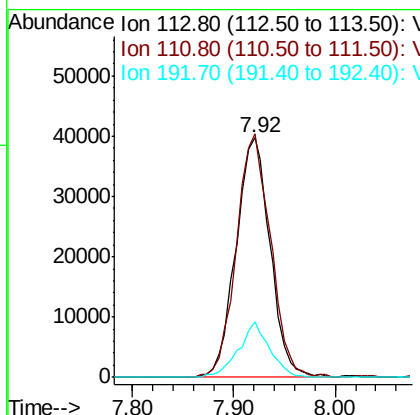
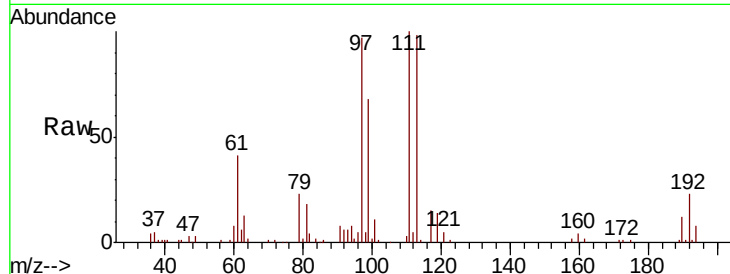
#35
 Dibromofluoromethane
 Concen: 51.677 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	21.0	17.1	25.7

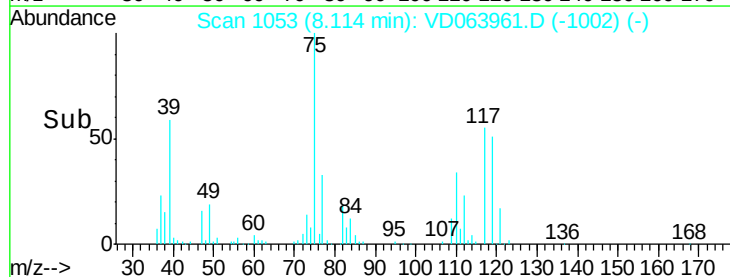
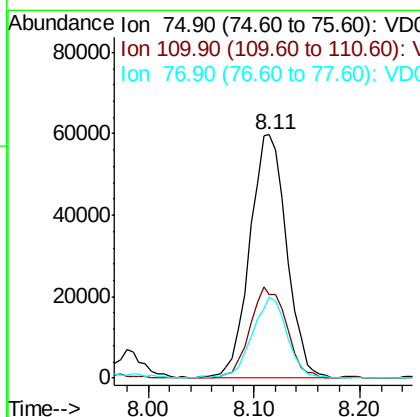
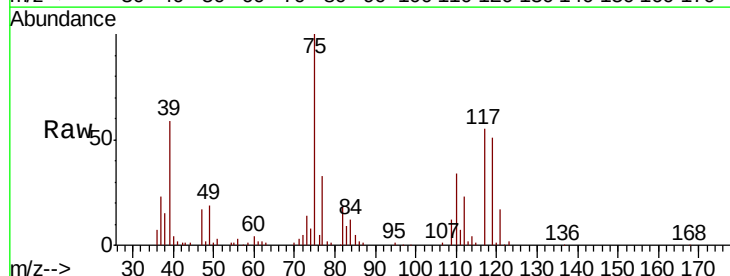
Manual Integrations
 APPROVED

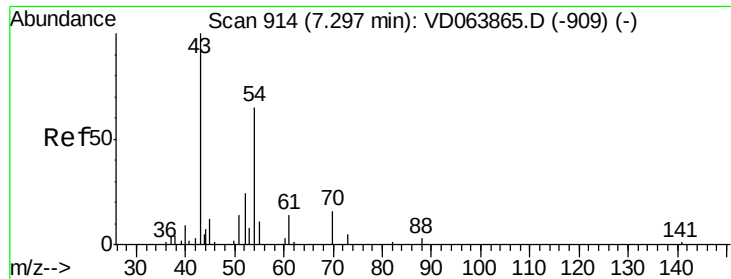
MMDadoda
 10/16/2019 12:54:32 AM



#36
 1,1-Dichloropropene
 Concen: 53.950 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.4	52.3
77	31.1	25.4	38.0





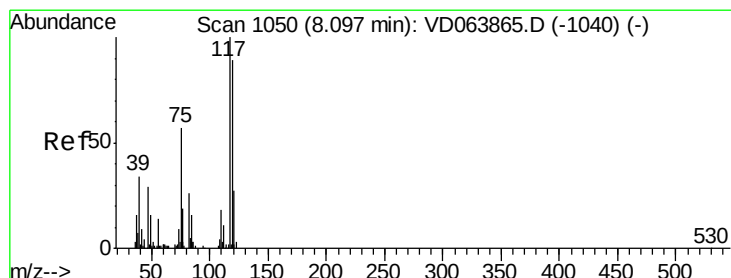
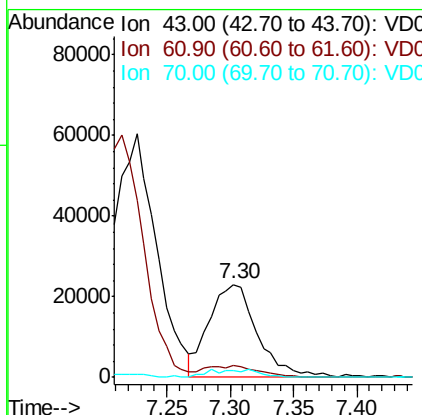
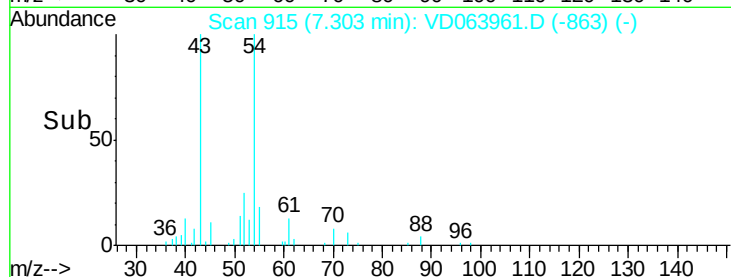
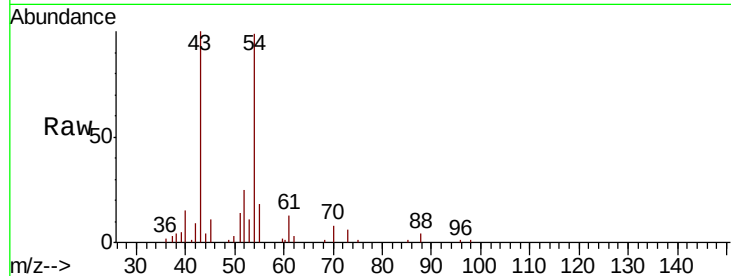
#37
Ethyl Acetate
Concen: 56.120 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.1	8.2	12.4

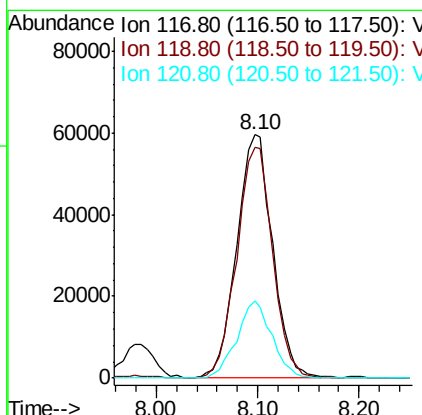
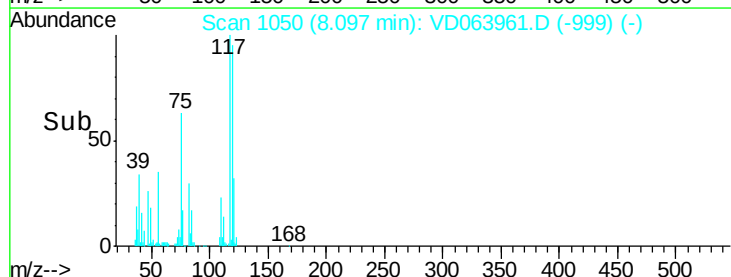
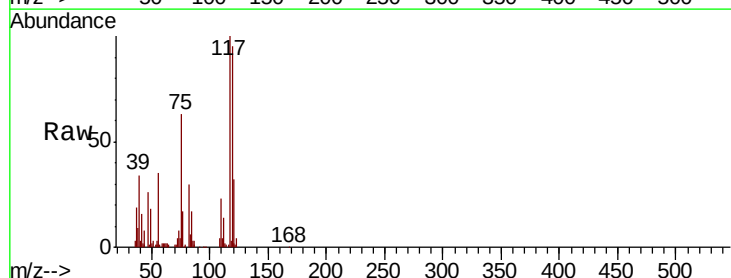
Manual Integrations
APPROVED

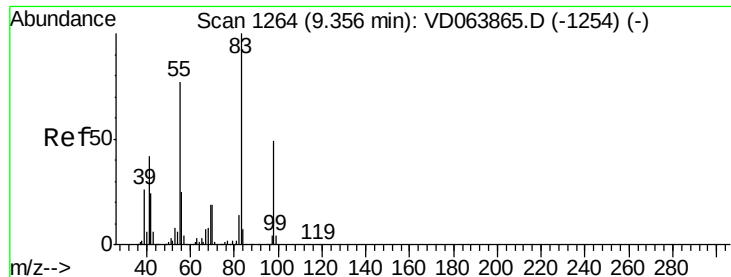
MMDadoda
10/16/2019 12:54:32 AM



#38
Carbon Tetrachloride
Concen: 53.305 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	70.8	106.2
121	31.8	21.4	32.0





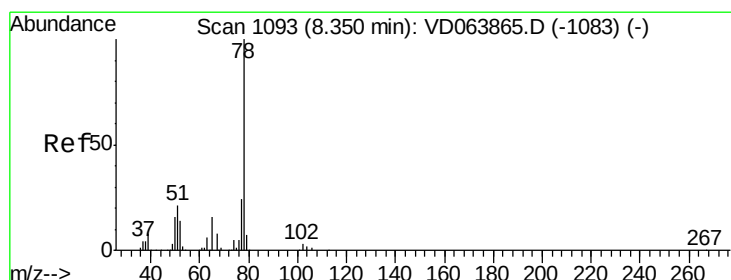
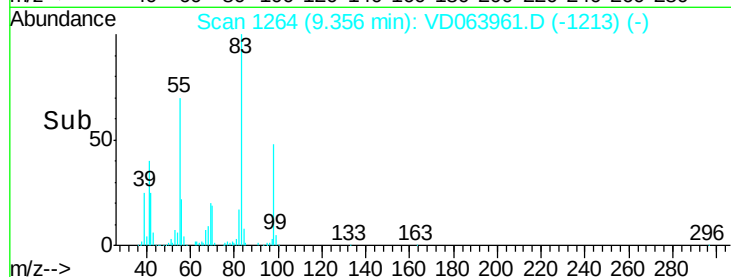
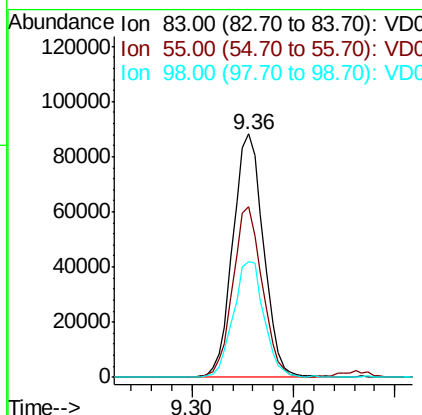
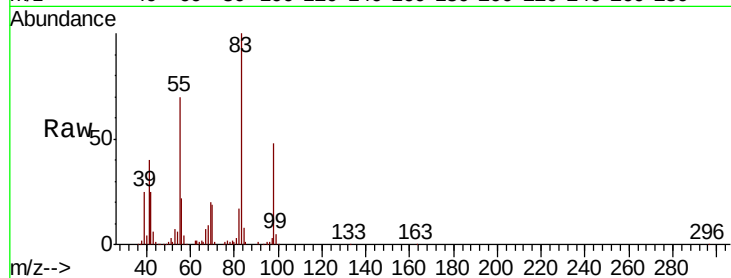
#39
Methylvlcyclohexane
Concen: 55.927 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	61.3	91.9
98	47.5	39.3	58.9

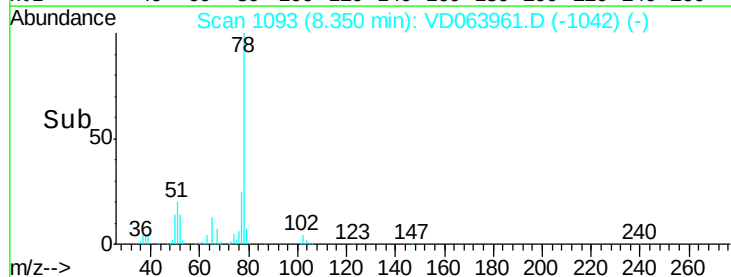
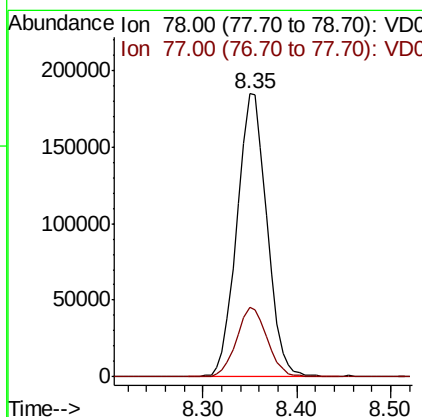
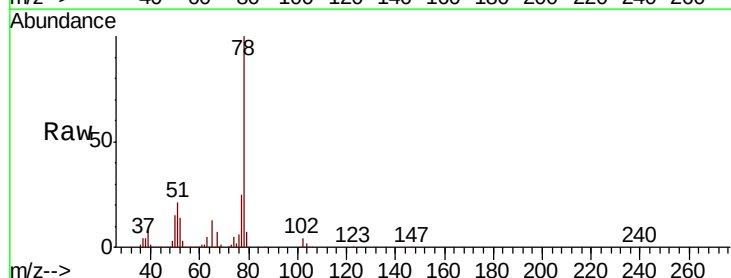
Manual Integrations
APPROVED

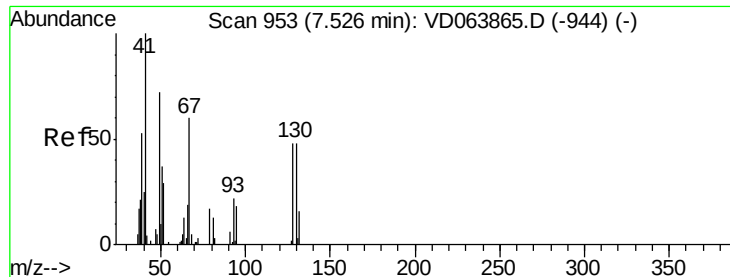
MMDadoda
10/16/2019 12:54:32 AM



#40
Benzene
Concen: 53.063 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





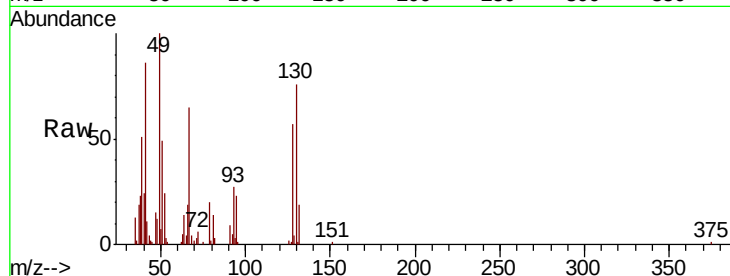
#41
Methacrylonitrile
Concen: 43.090 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

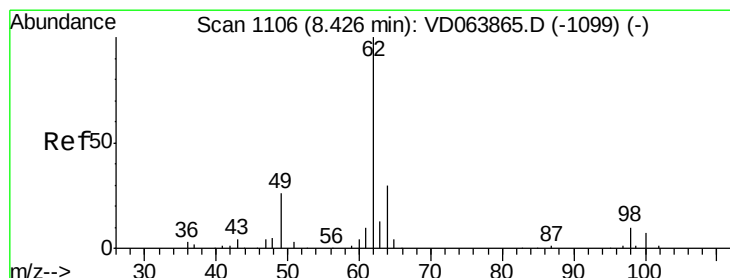
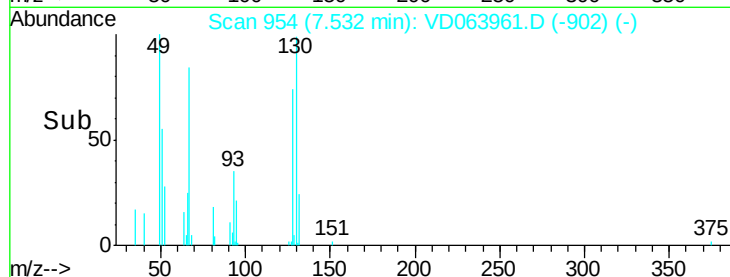
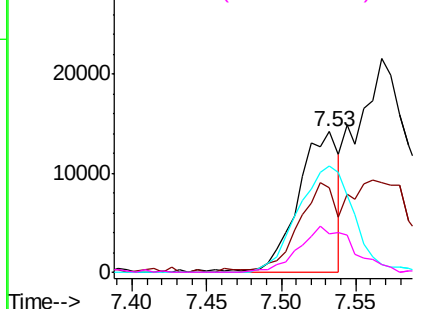
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	52.6	78.8
67	103.8	74.2	111.2
52	43.7	34.0	51.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM

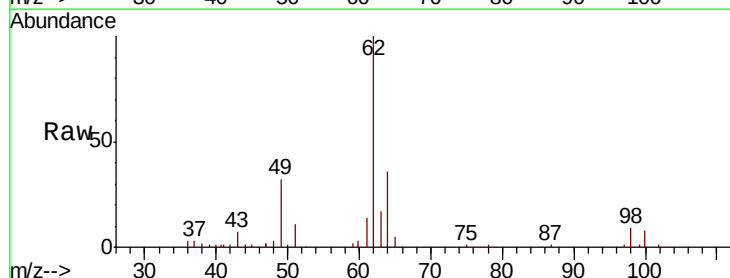


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

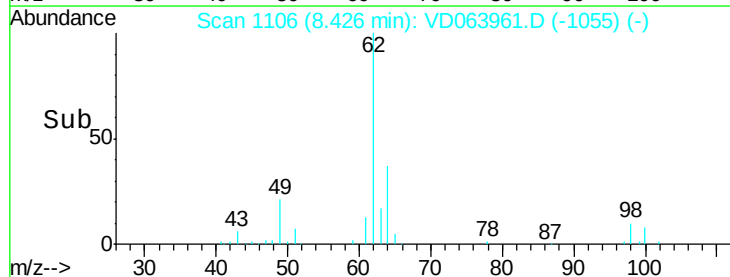
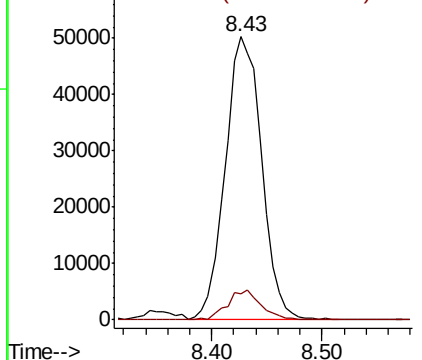


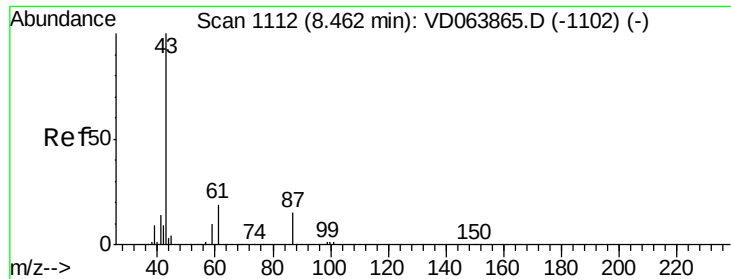
#42
1,2-Dichloroethane
Concen: 52.079 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.454 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

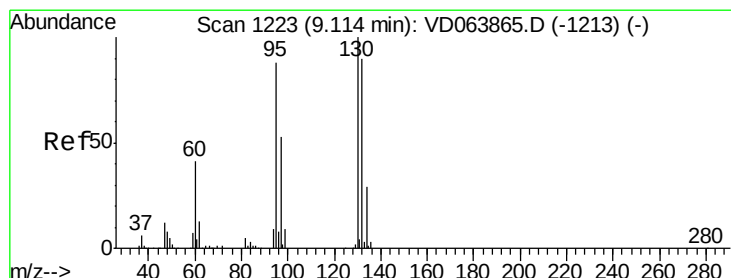
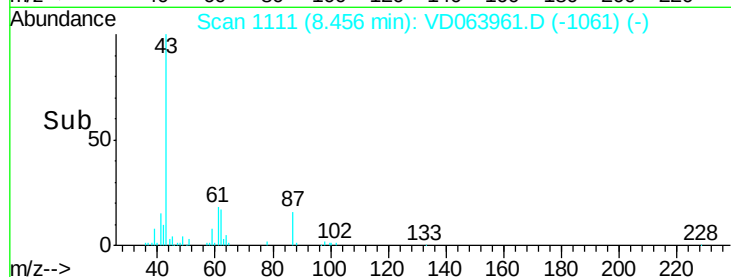
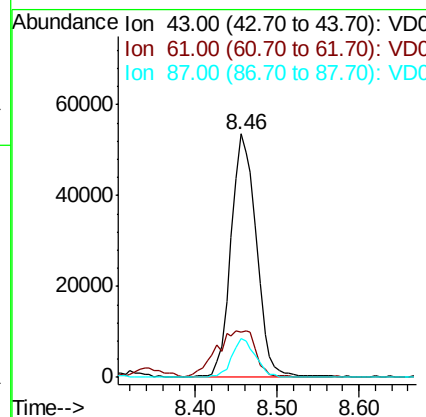
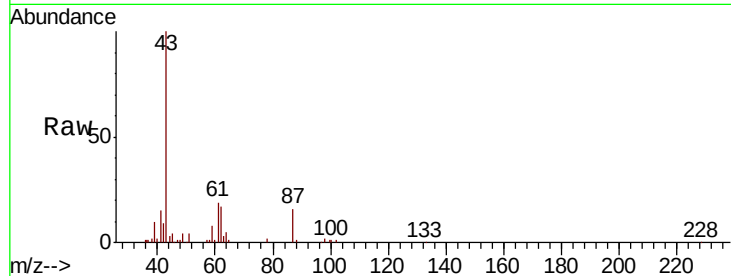
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	116085
Ion	Ratio	Lower	Upper
43	100		
61	29.9	25.7	38.5
87	14.7	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#44

Trichloroethene

Concen: 52.713 ug/l

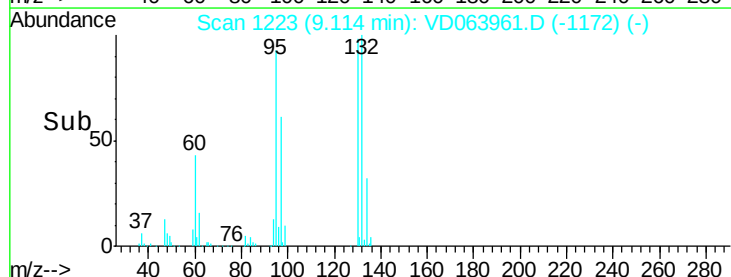
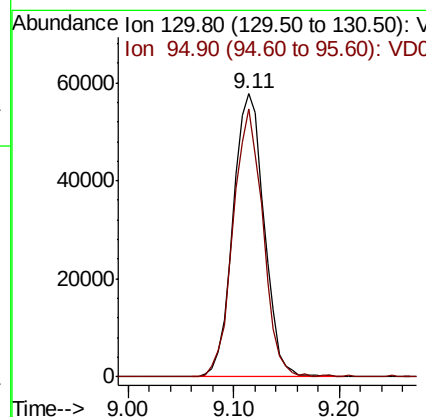
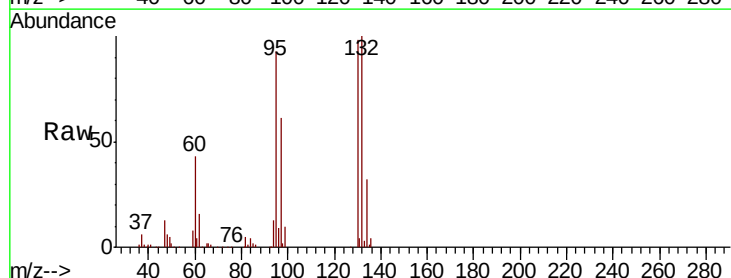
RT: 9.11 min Scan# 1223

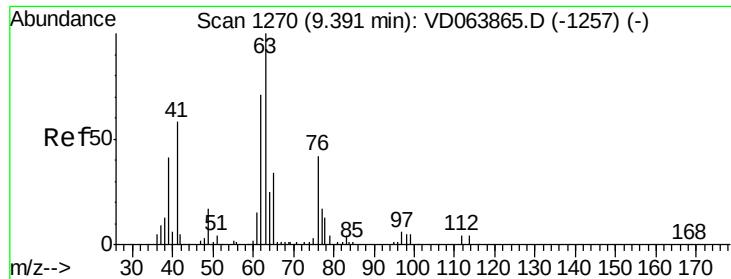
Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion:	130	Resp:	117185
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	175.6





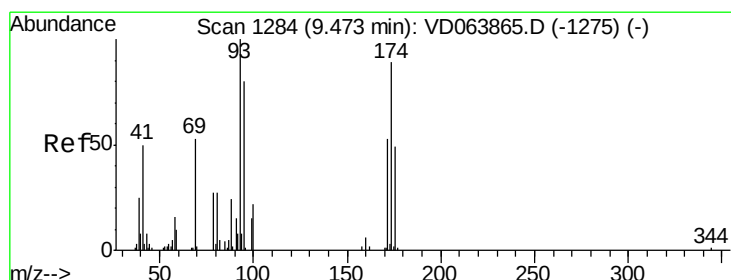
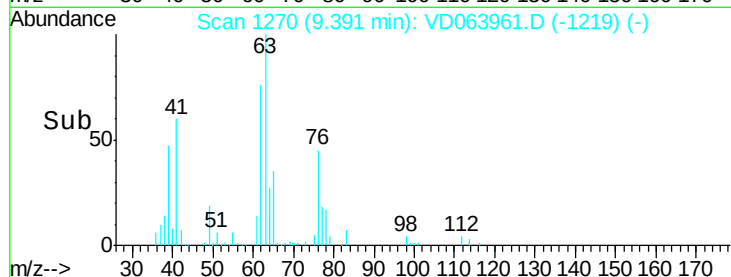
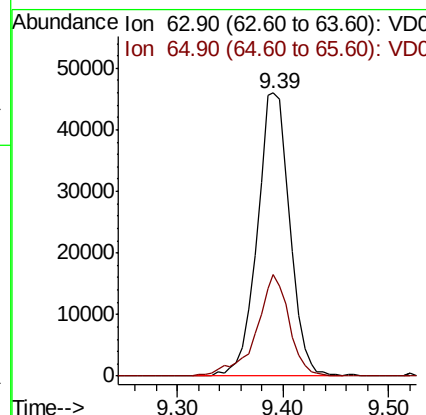
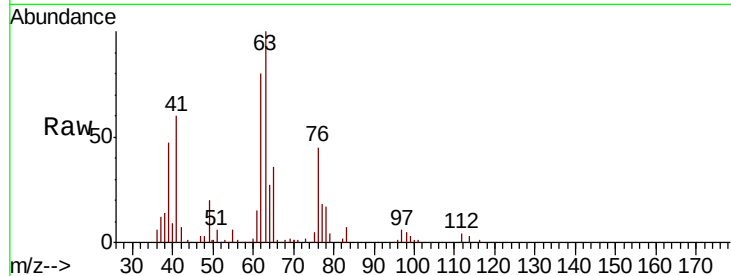
#45
 1,2-Dichloropropane
 Concen: 52.228 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	98554
Ion Ratio	Lower	Upper	
63	100		
65	35.8	27.3	40.9

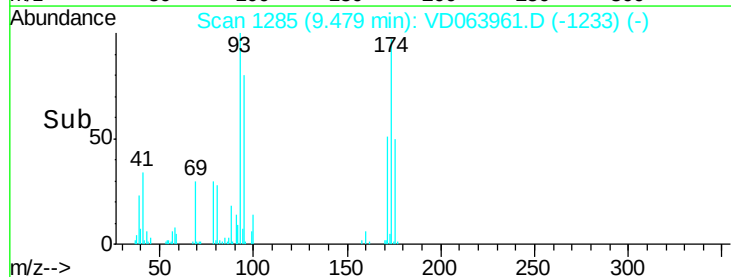
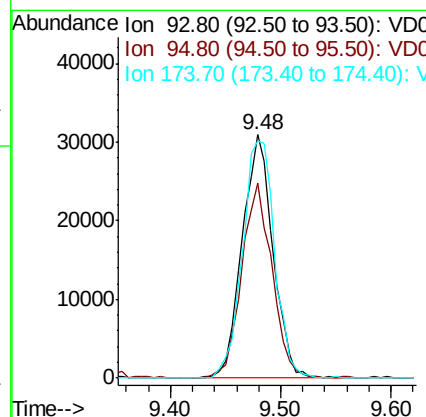
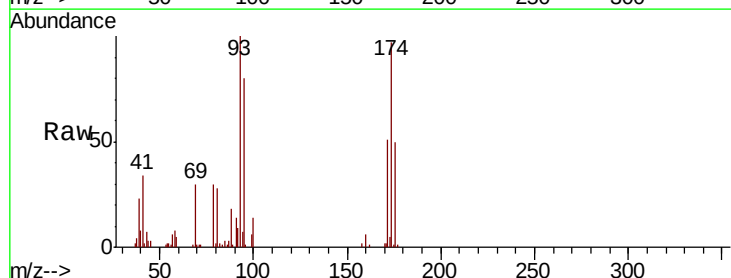
Manual Integrations
 APPROVED

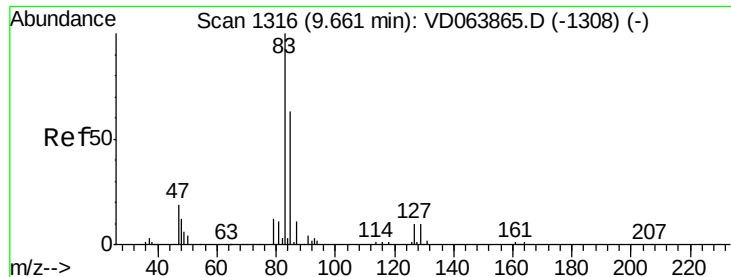
MMDadoda
 10/16/2019 12:54:32 AM



#46
 Dibromomethane
 Concen: 56.391 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	93	Resp	60601
Ion Ratio	Lower	Upper	
93	100		
95	79.0	66.0	99.0
174	101.9	83.4	125.0





#47

Bromodichloromethane

Concen: 51.876 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

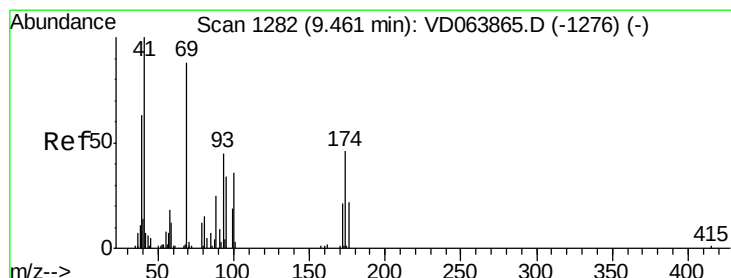
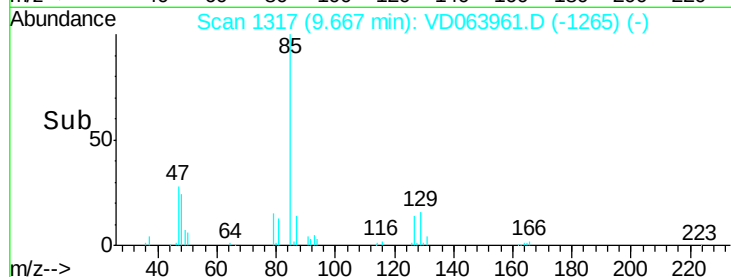
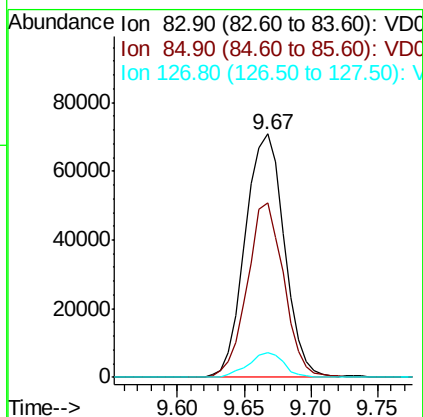
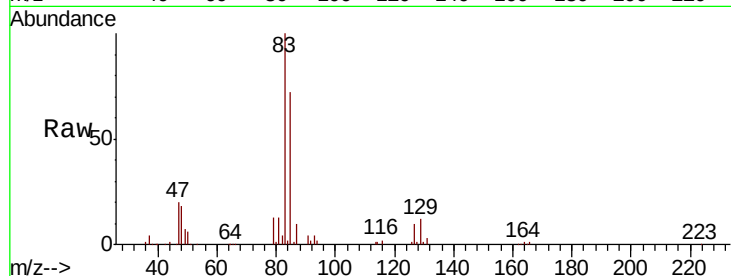
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	143533
Ion	Ratio	Lower	Upper
83	100		
85	71.7	50.2	75.2
127	10.2	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#48

Methyl methacrylate

Concen: 49.535 ug/l

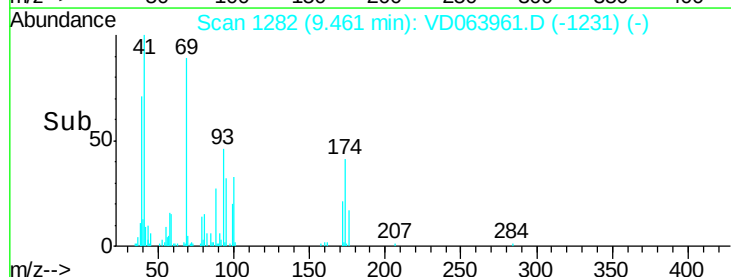
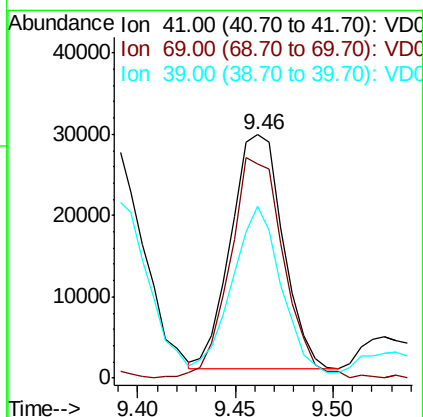
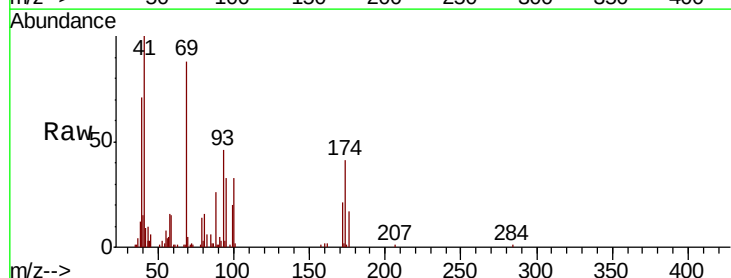
RT: 9.46 min Scan# 1282

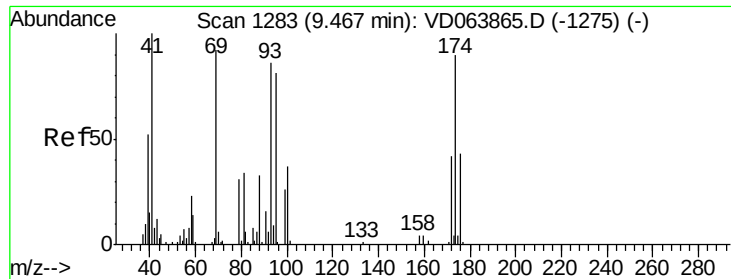
Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Tgt Ion:	41	Resp:	53546
Ion	Ratio	Lower	Upper
41	100		
69	97.4	75.1	112.7
39	65.7	50.2	75.2





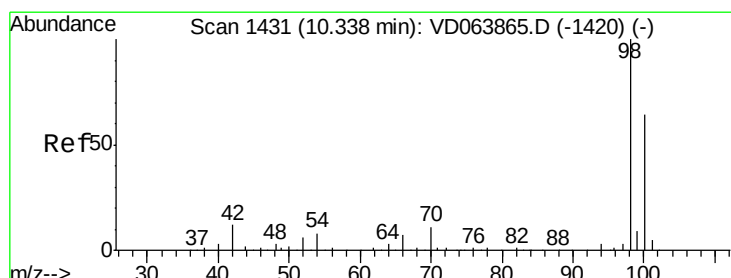
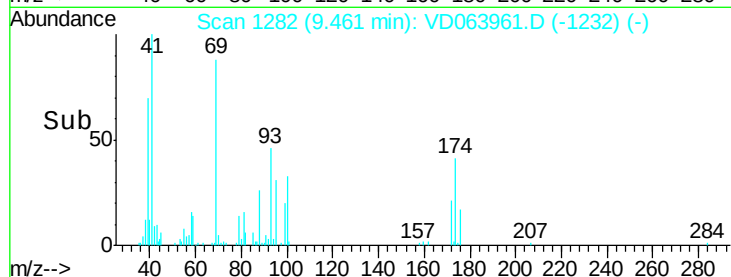
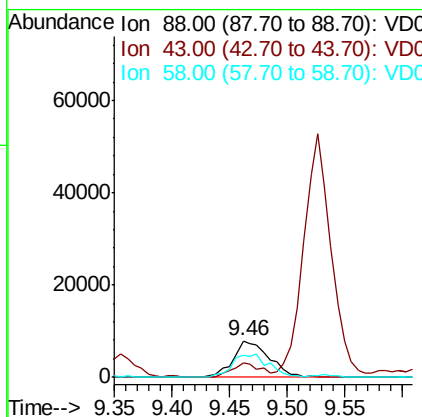
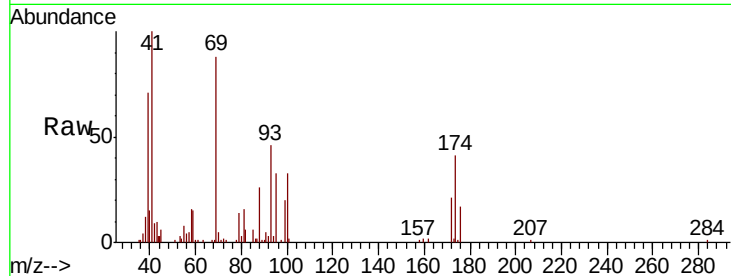
#49
1,4-Dioxane
Concen: 1167.628 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17128
Ion Ratio	Lower	Upper	
88	100		
43	31.9	27.6	41.4
58	64.2	54.1	81.1

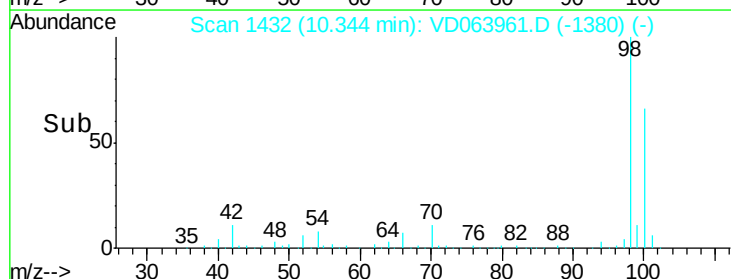
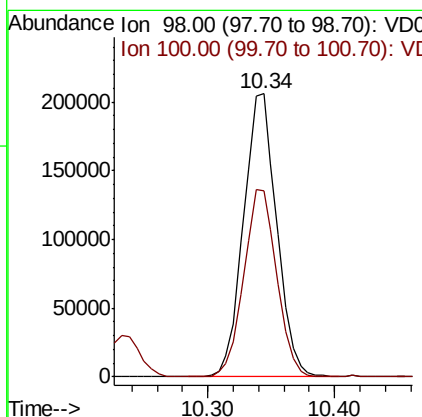
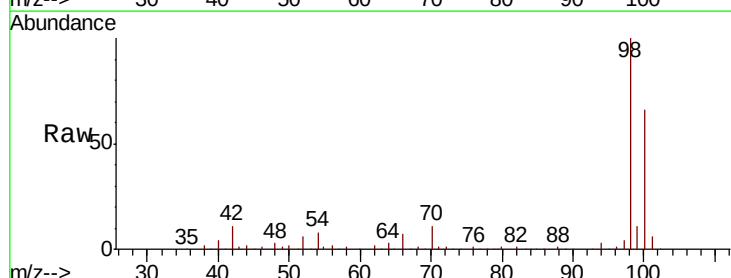
Manual Integrations
APPROVED

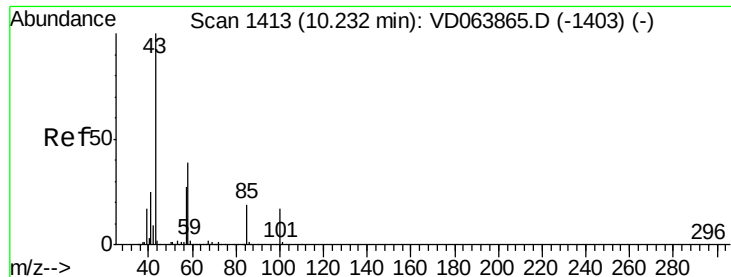
MMDadoda
10/16/2019 12:54:32 AM



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	98	Resp	375747
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.1	78.1





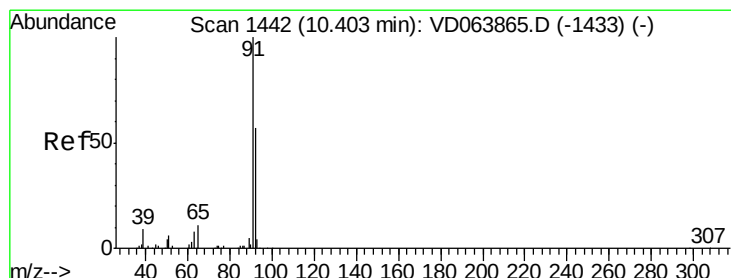
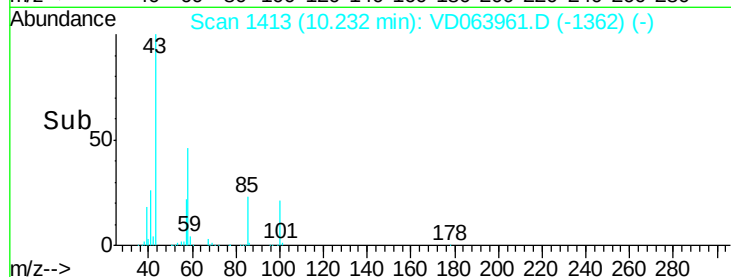
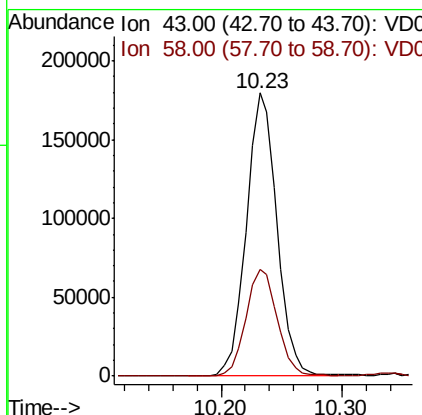
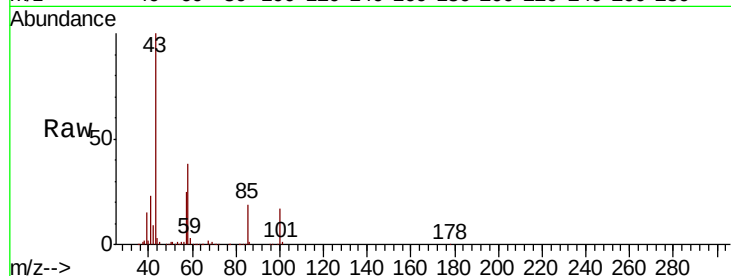
#51
4-Methyl-2-Pentanone
Concen: 270.789 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	316842
Ion Ratio	100	Lower	Upper
43	100		
58	39.0	33.0	49.4

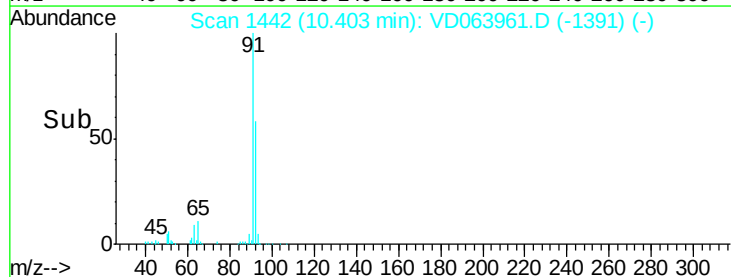
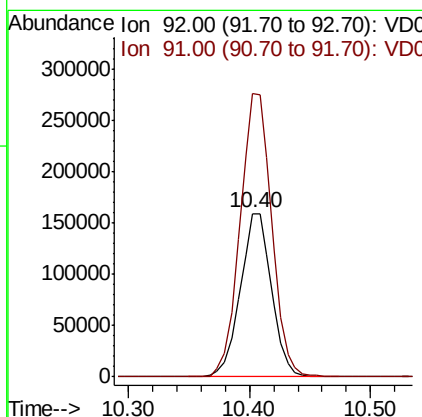
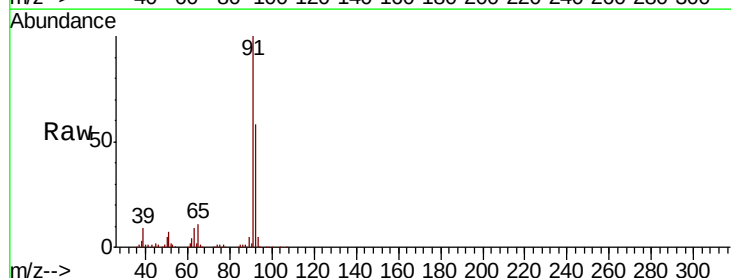
Manual Integrations
APPROVED

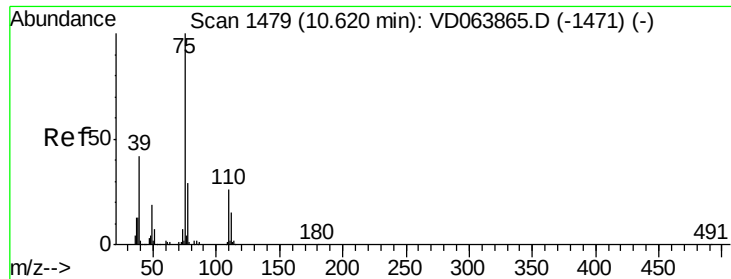
MMDadoda
10/16/2019 12:54:32 AM



#52
Toluene
Concen: 54.303 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	92	Resp	287390
Ion Ratio	100	Lower	Upper
92	100		
91	175.6	139.5	209.3





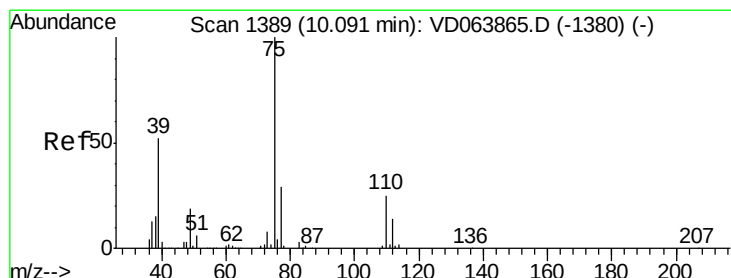
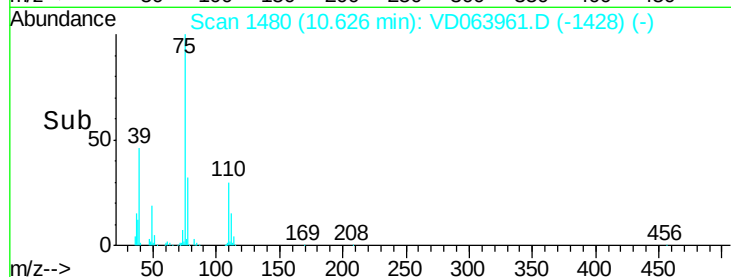
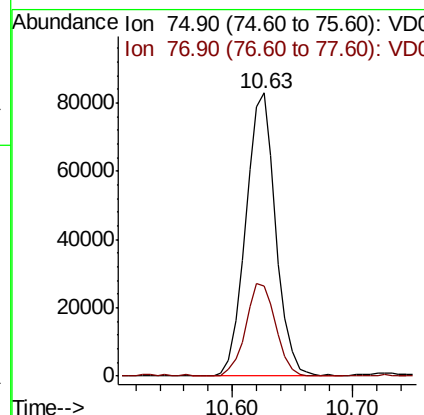
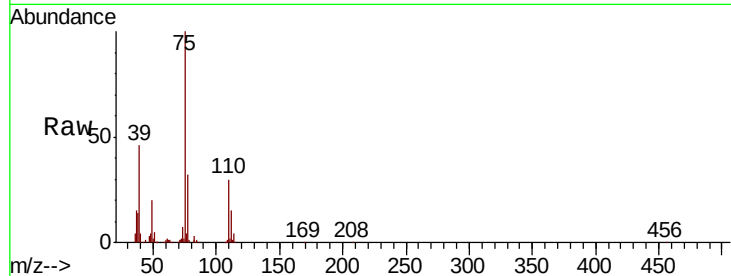
#53
 t-1,3-Dichloropropene
 Concen: 52.912 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	142859
Ion Ratio	Lower	Upper	
75	100		
77	31.8	22.8	34.2

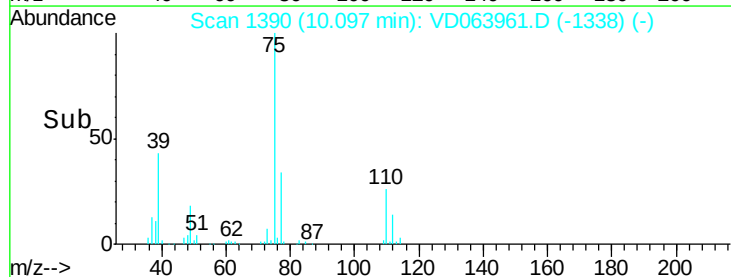
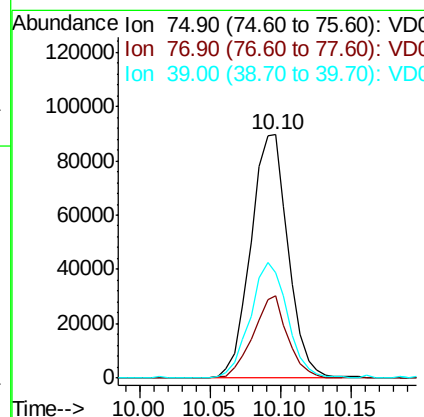
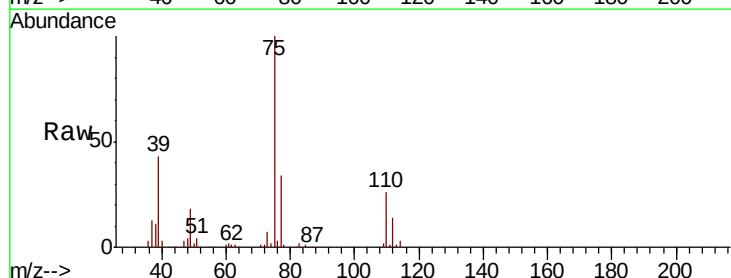
Manual Integrations
 APPROVED

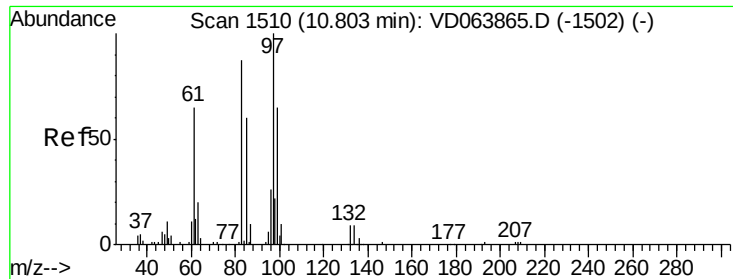
MMDadoda
 10/16/2019 12:54:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.617 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	75	Resp	166636
Ion Ratio	Lower	Upper	
75	100		
77	33.7	23.2	34.8
39	43.3	41.5	62.3





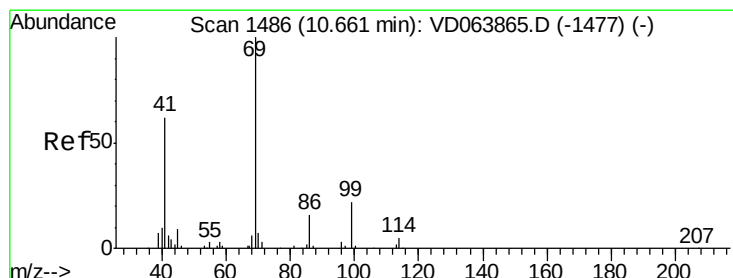
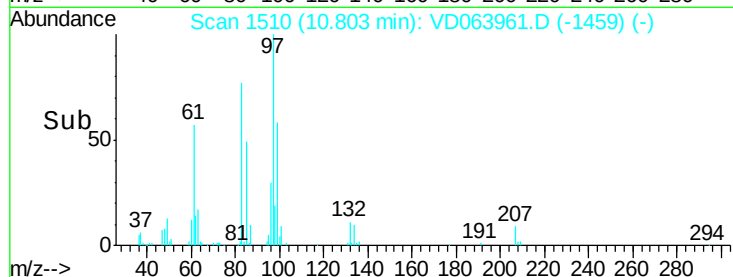
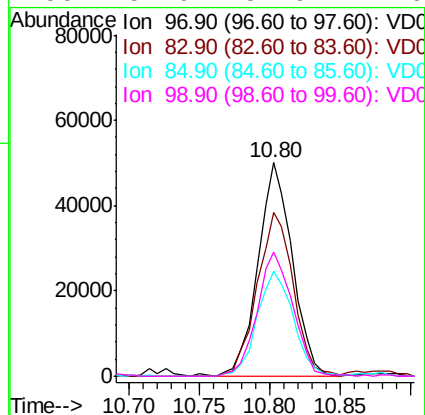
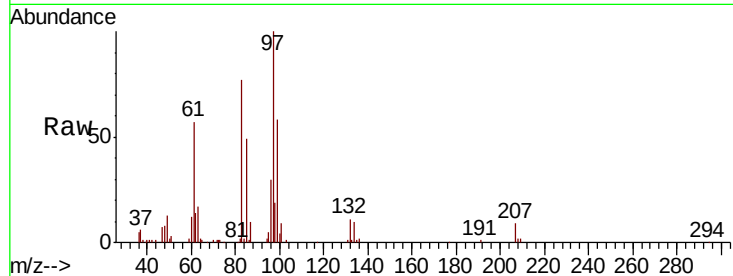
#55
 1,1,2-Trichloroethane
 Concen: 56.617 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	85909
Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.7	104.5
85	49.0	48.1	72.1
99	57.9	51.9	77.9

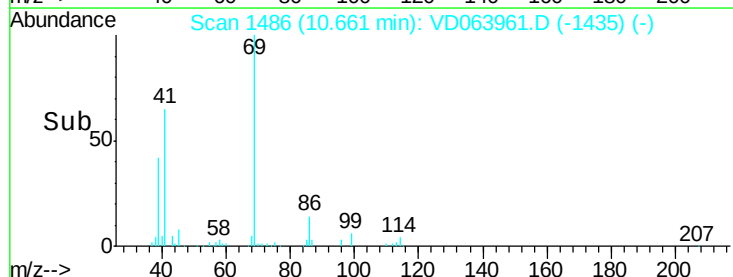
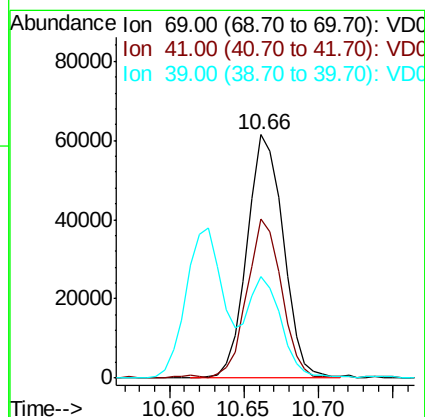
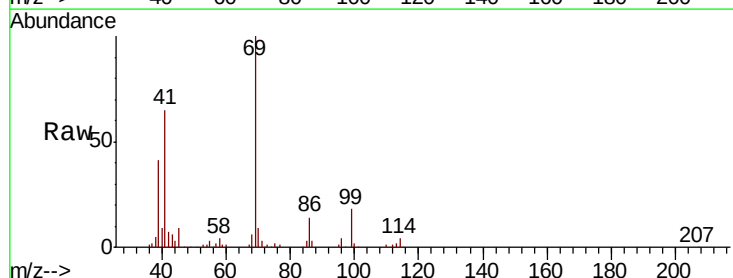
Manual Integrations
 APPROVED

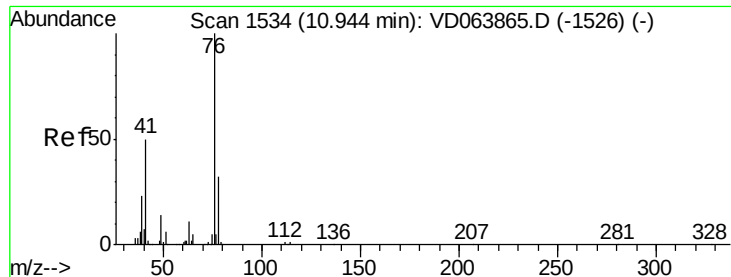
MMDadoda
 10/16/2019 12:54:32 AM



#56
 Ethyl methacrylate
 Concen: 53.828 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion:	69	Resp:	103432
Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.3	76.9
39	38.9	28.0	42.0





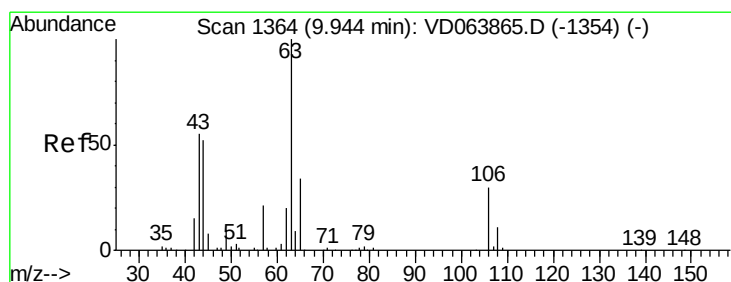
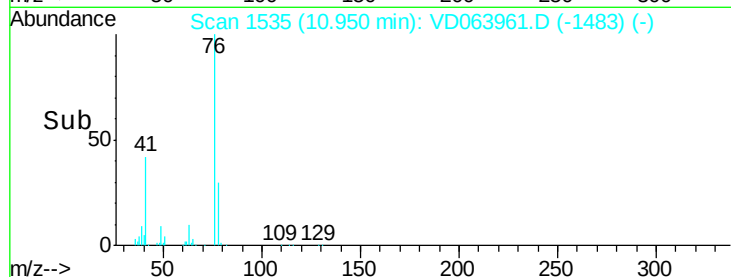
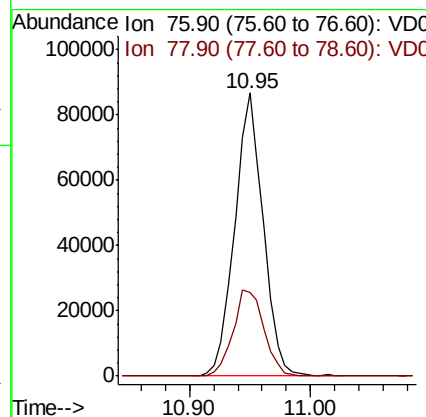
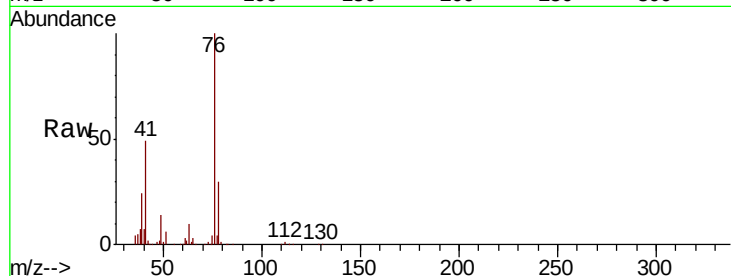
#57
 1,3-Dichloropropane
 Concen: 54.803 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	40.0

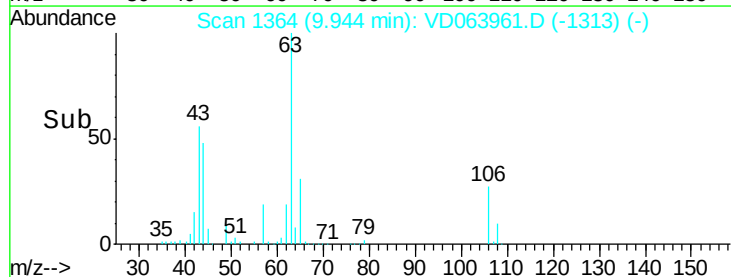
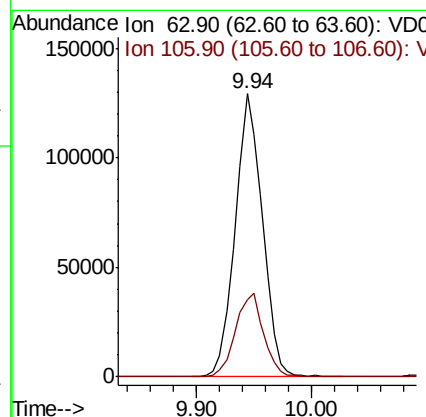
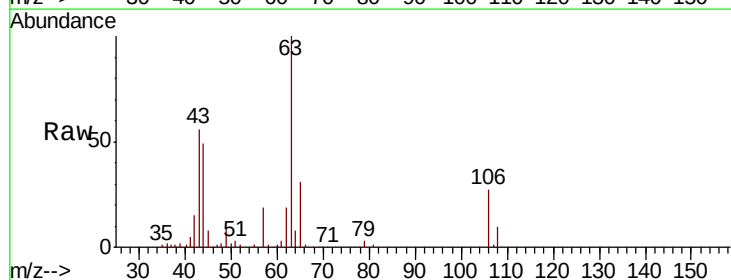
Manual Integrations
 APPROVED

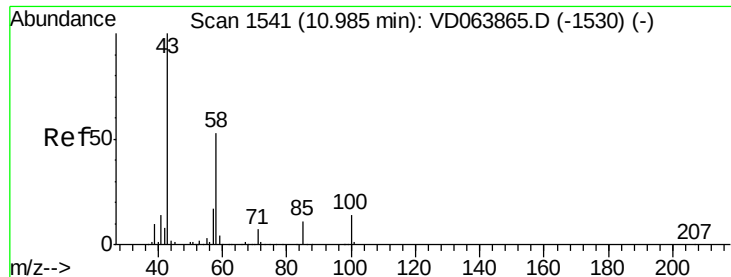
MMDadoda
 10/16/2019 12:54:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.330 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.3	36.5





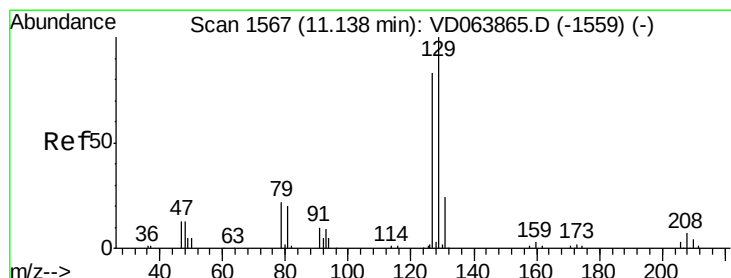
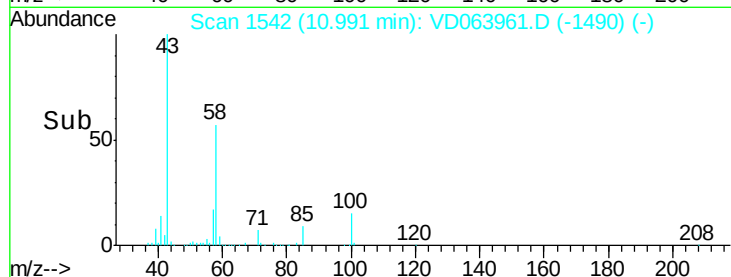
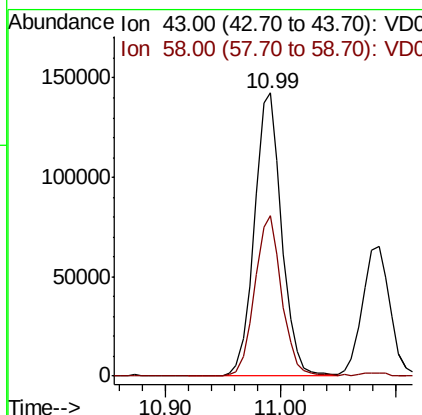
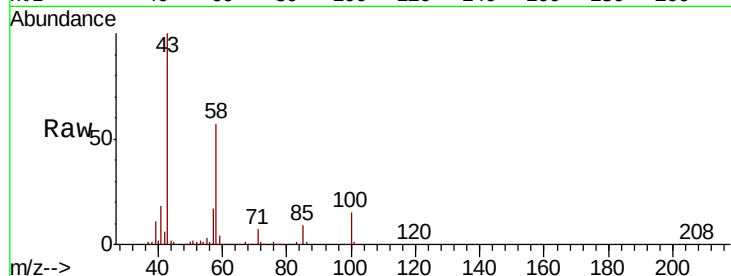
#59
2-Hexanone
Concen: 277.184 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 234607
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.0

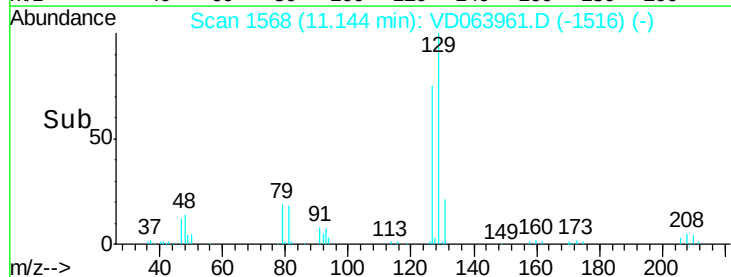
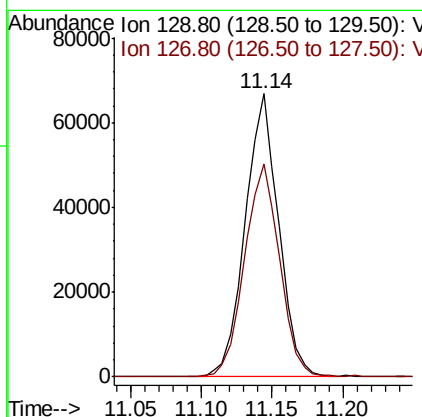
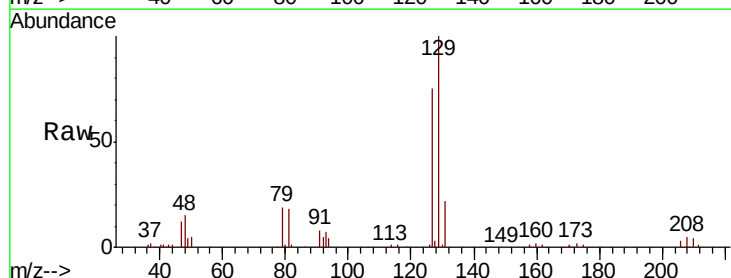
Manual Integrations
APPROVED

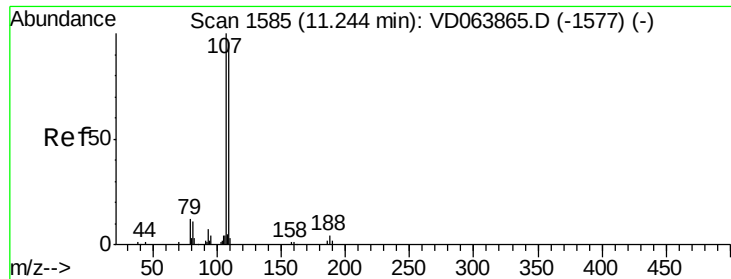
MMDadoda
10/16/2019 12:54:32 AM



#60
Dibromochloromethane
Concen: 56.191 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion: 129 Resp: 111003
Ion Ratio Lower Upper
129 100
127 78.7 39.9 119.6





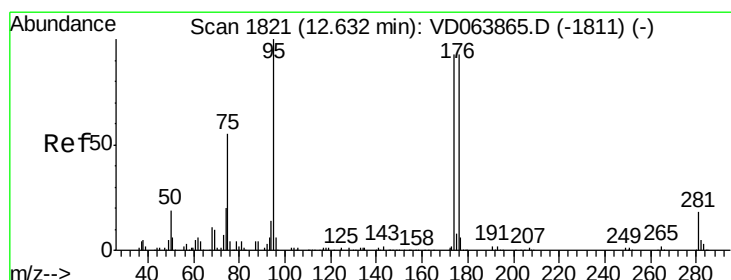
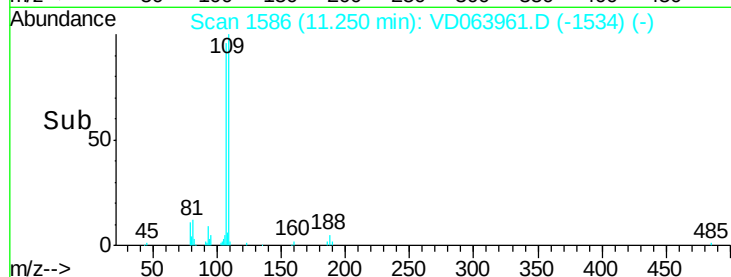
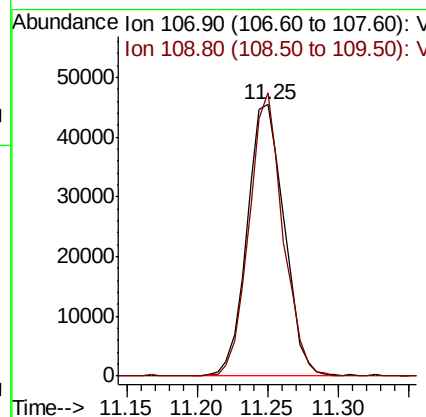
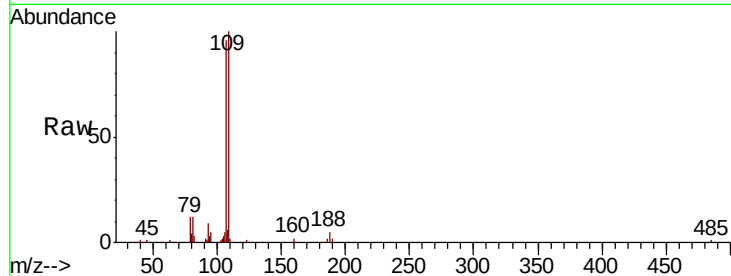
#61
 1,2-Dibromoethane
 Concen: 57.048 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 83920
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8

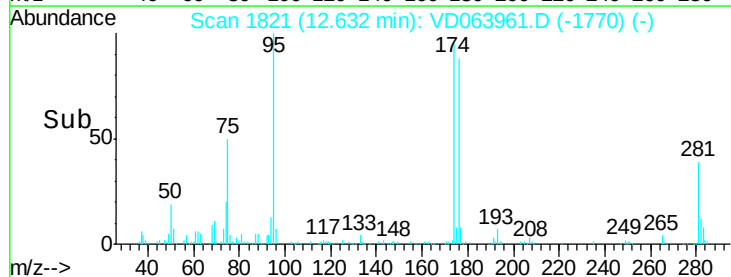
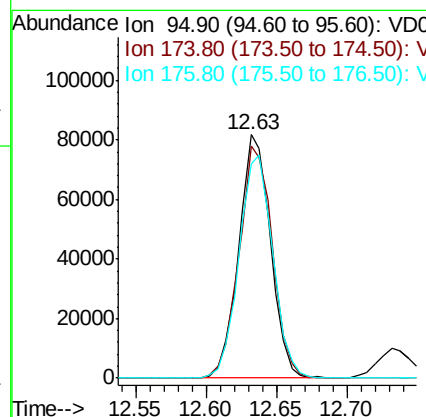
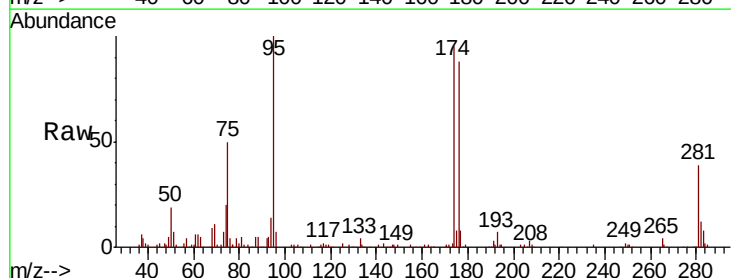
Manual Integrations
 APPROVED

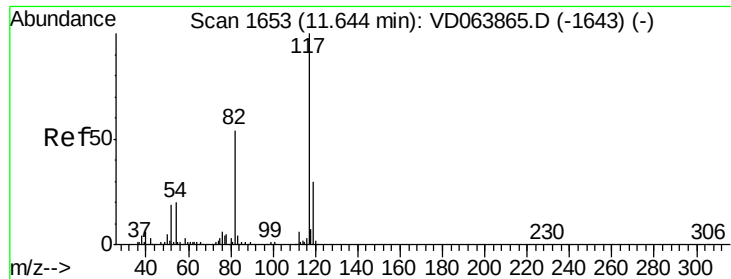
MMDadoda
 10/16/2019 12:54:32 AM



#62
 4-Bromofluorobenzene
 Concen: 50.508 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion: 95 Resp: 128097
 Ion Ratio Lower Upper
 95 100
 174 100.4 0.0 186.4
 176 97.6 0.0 184.2





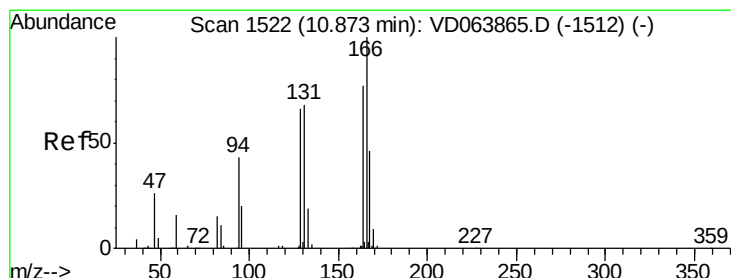
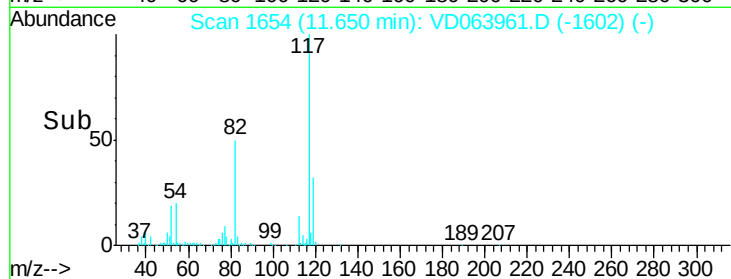
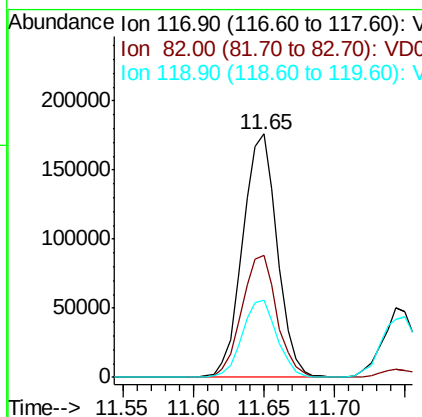
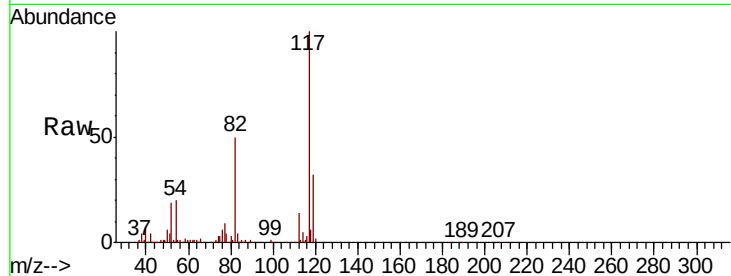
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	42.8	64.2
119	31.9	24.4	36.6

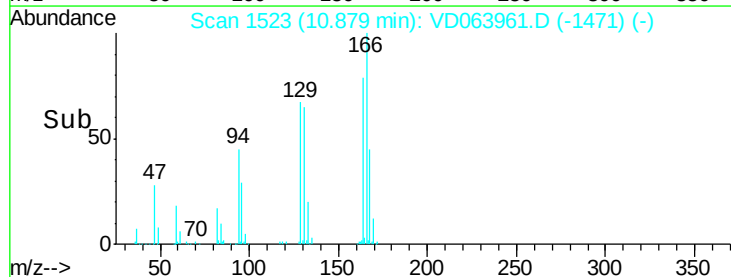
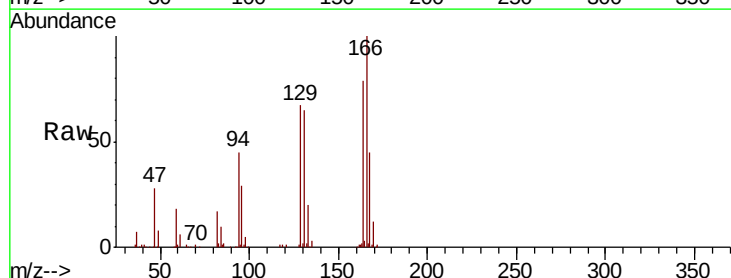
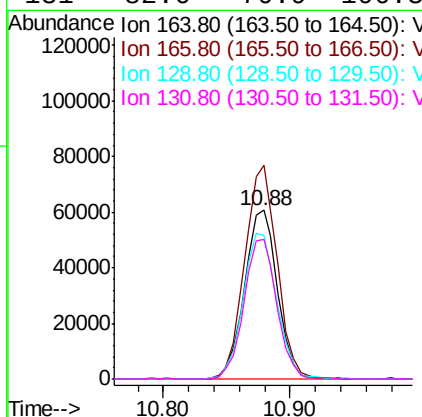
Manual Integrations
APPROVED

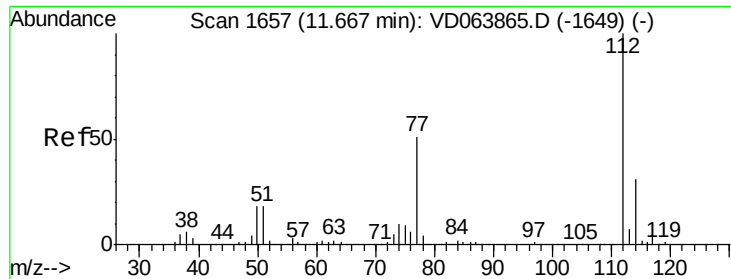
MMDadoda
10/16/2019 12:54:32 AM



#64
Tetrachloroethene
Concen: 52.851 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.8	155.6
129	85.4	68.9	103.3
131	82.6	70.9	106.3





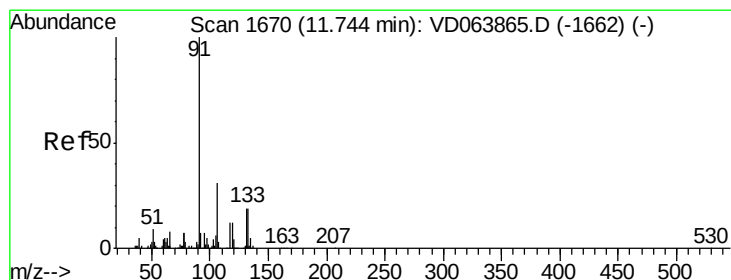
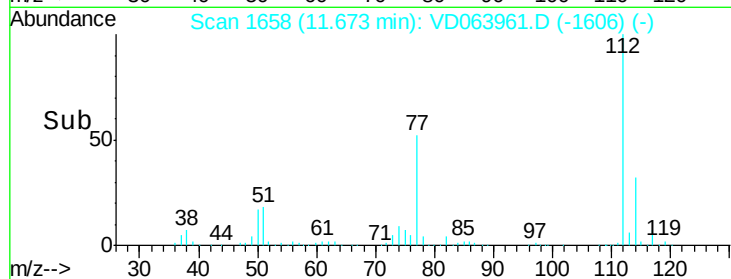
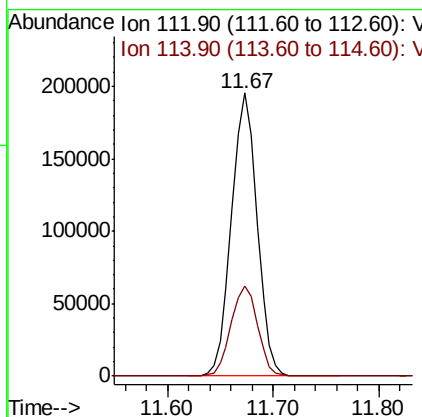
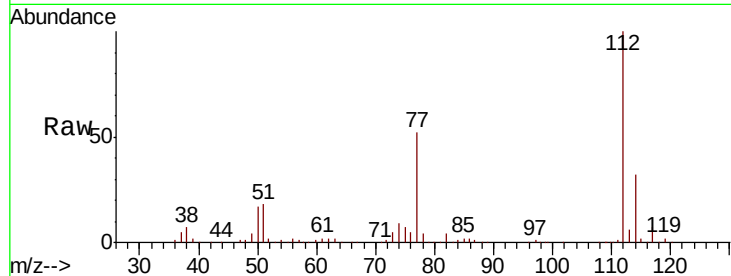
#65
Chlorobenzene
Concen: 54.013 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 327708
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

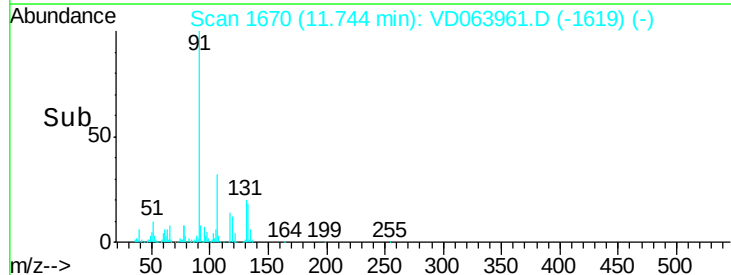
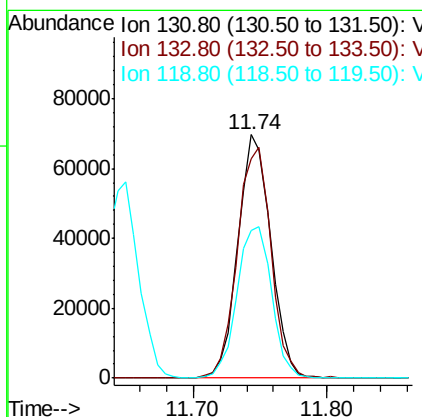
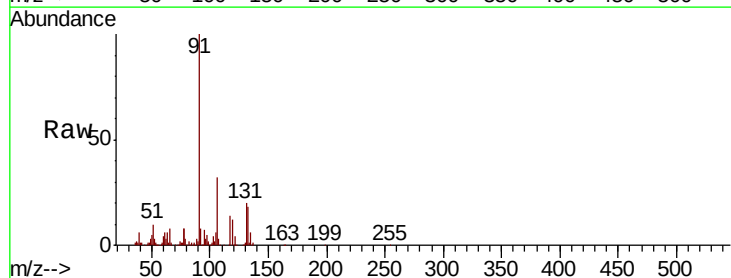
Manual Integrations
APPROVED

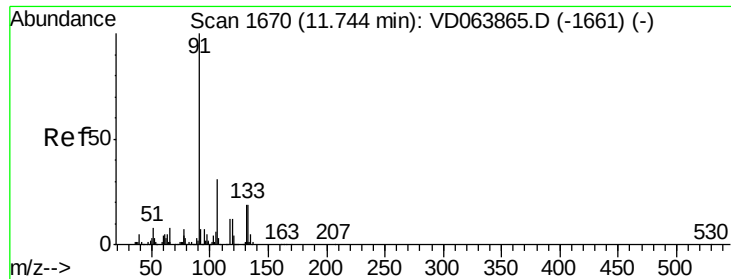
MMDadoda
10/16/2019 12:54:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.304 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion:131 Resp: 119169
Ion Ratio Lower Upper
131 100
133 97.0 48.9 146.7
119 65.4 32.6 97.8





#67

Ethyl Benzene

Concen: 53.865 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 589300

Ion Ratio Lower Upper

91 100

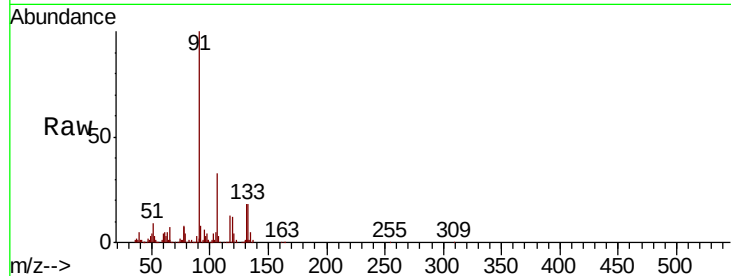
106 33.3 24.6 37.0

Manual Integrations

APPROVED

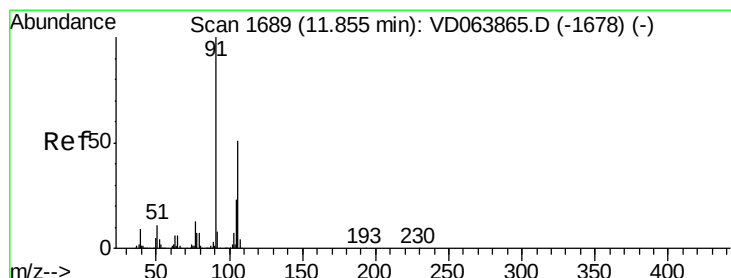
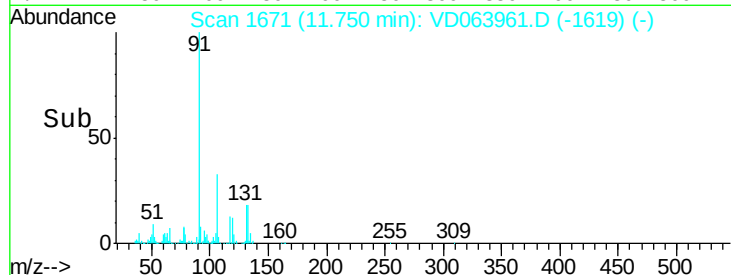
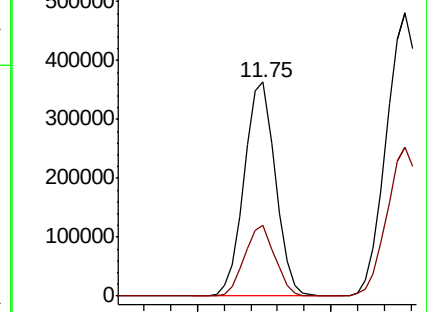
MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.665 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063961.D

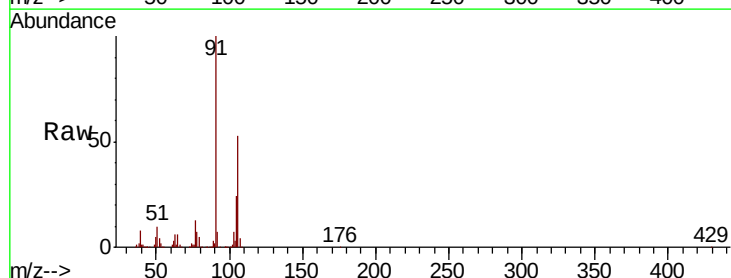
Acq: 14 Oct 2019 17:48

Tgt Ion: 106 Resp: 467312

Ion Ratio Lower Upper

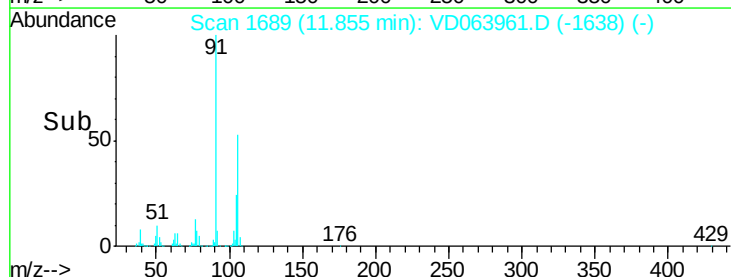
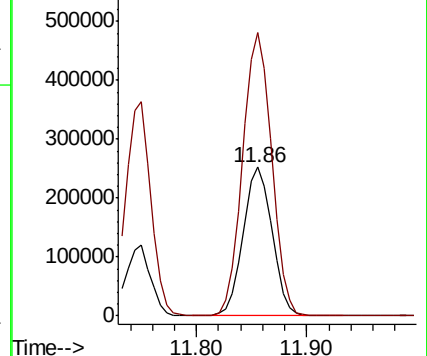
106 100

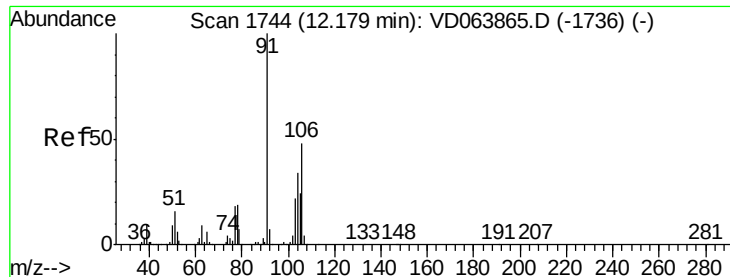
91 191.0 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





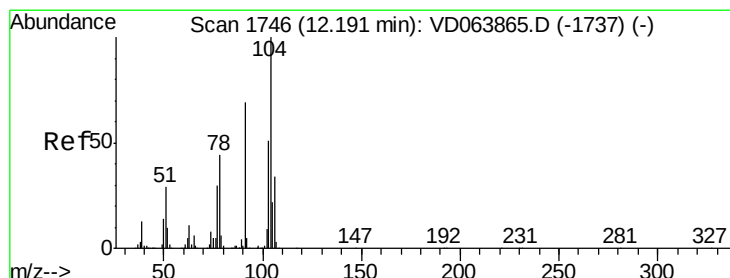
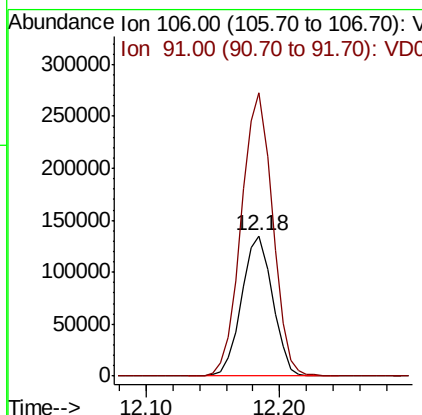
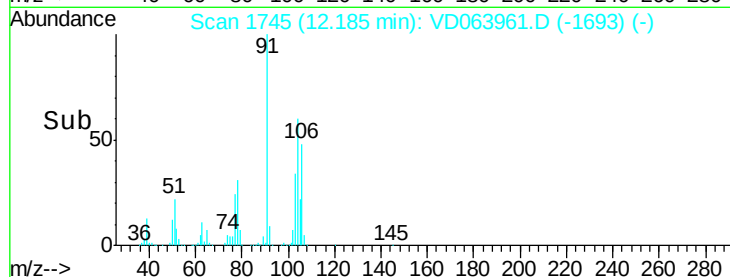
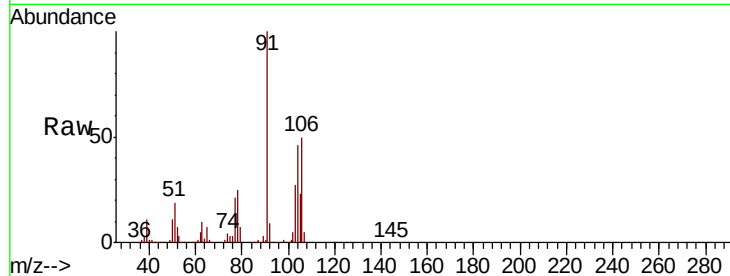
#69
o-Xylene
Concen: 53.504 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 216340
Ion Ratio Lower Upper
106 100
91 204.3 103.9 311.7

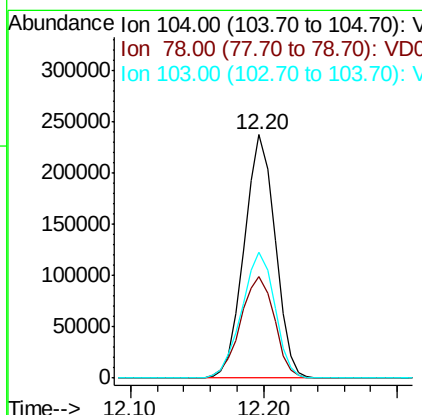
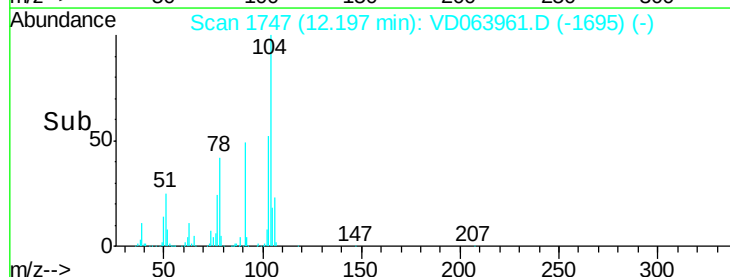
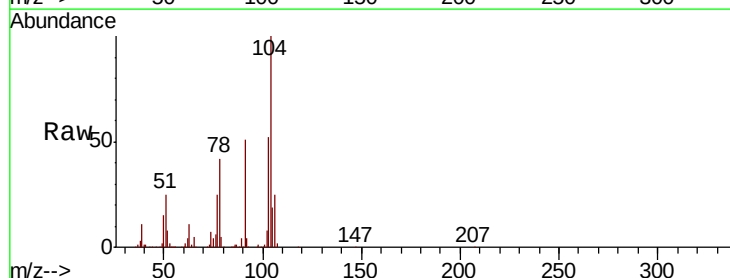
Manual Integrations
APPROVED

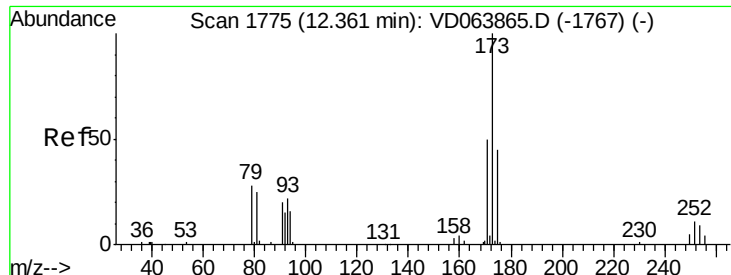
MMDadoda
10/16/2019 12:54:32 AM



#70
Styrene
Concen: 55.670 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion:104 Resp: 381064
Ion Ratio Lower Upper
104 100
78 45.9 37.0 55.4
103 55.5 44.2 66.4





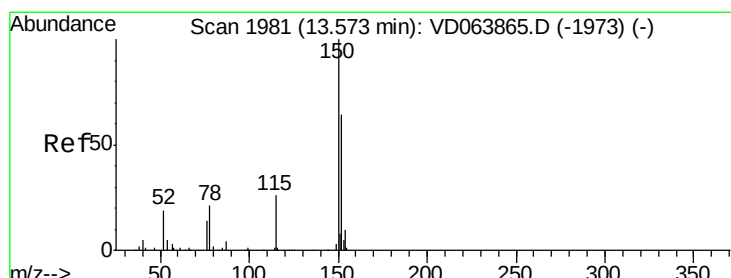
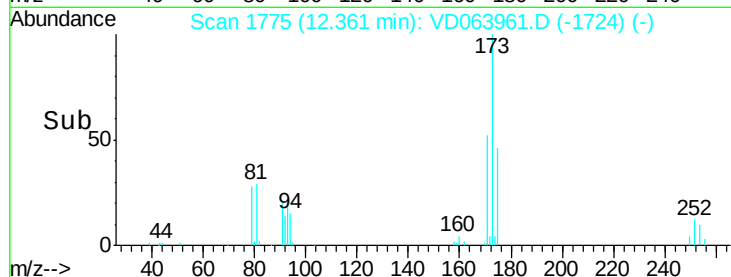
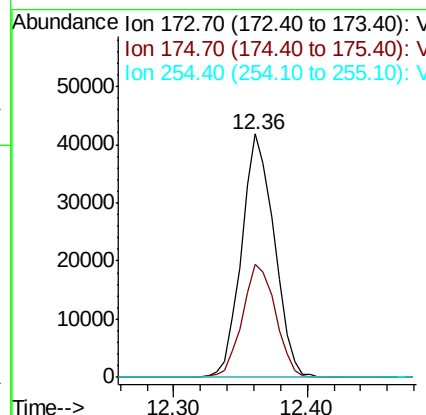
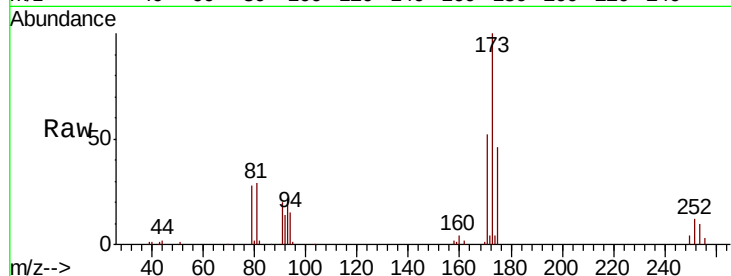
#71
Bromoform
Concen: 58.796 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.6	74.0
254	0.1	0.0	0.0#

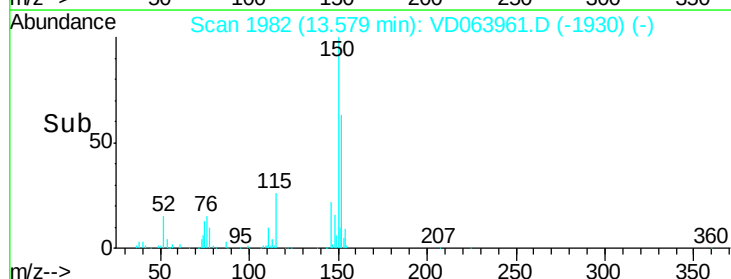
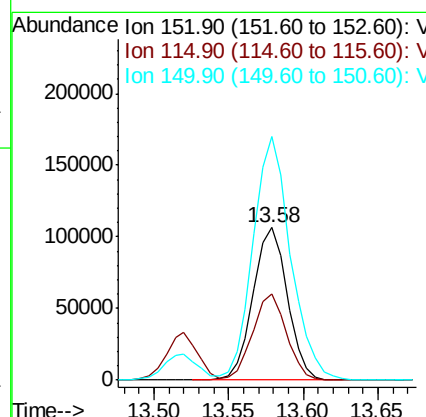
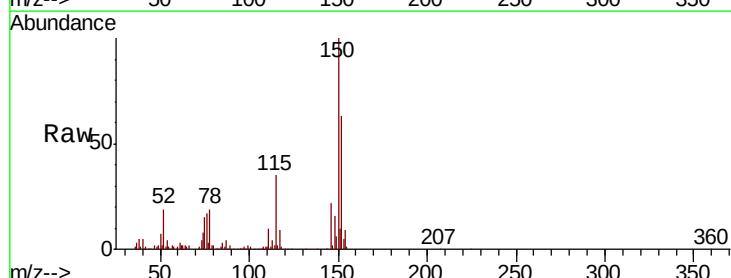
Manual Integrations
APPROVED

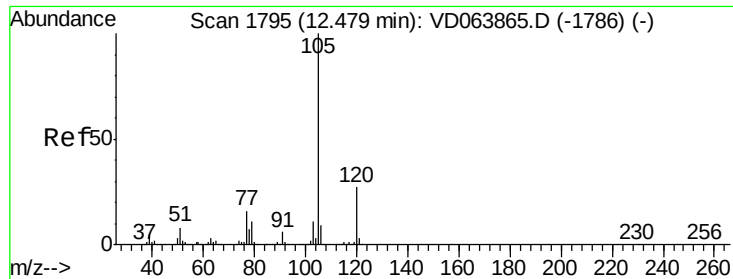
MMDadoda
10/16/2019 12:54:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	25.9	77.7
150	174.7	0.0	344.2





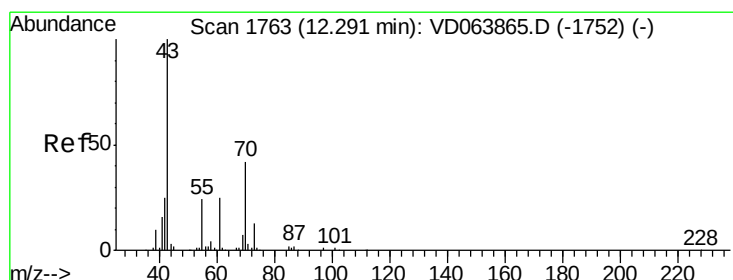
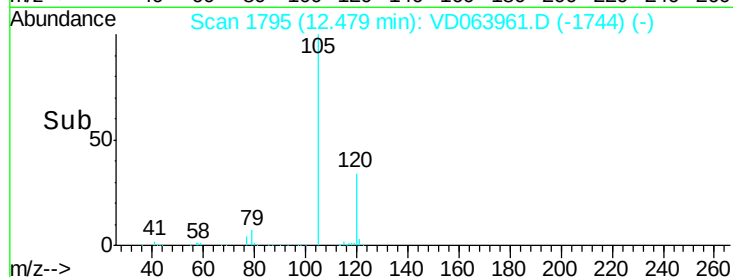
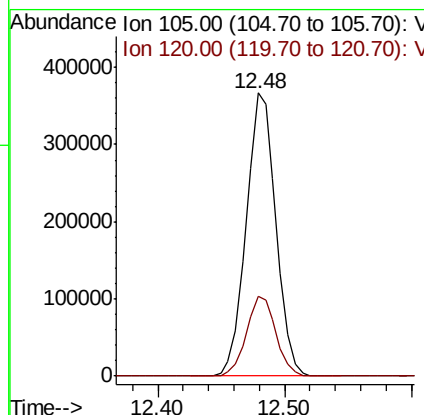
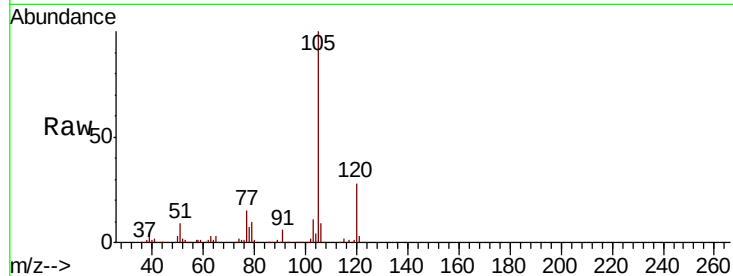
#73
Isopropylbenzene
Concen: 52.070 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.3	39.8

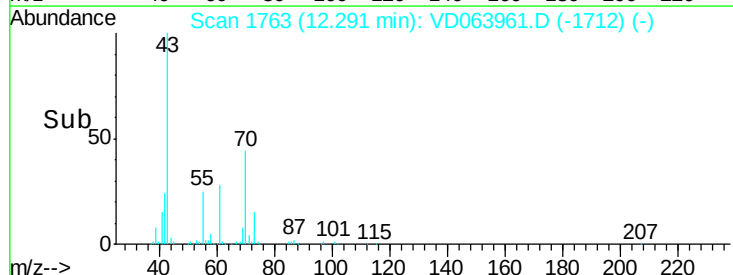
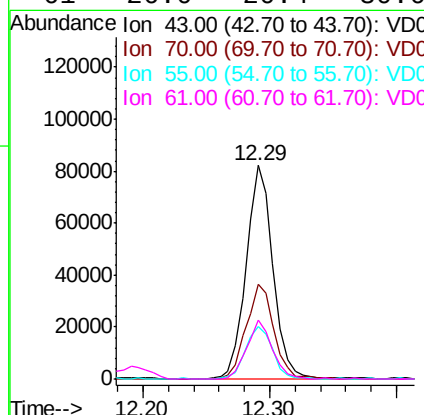
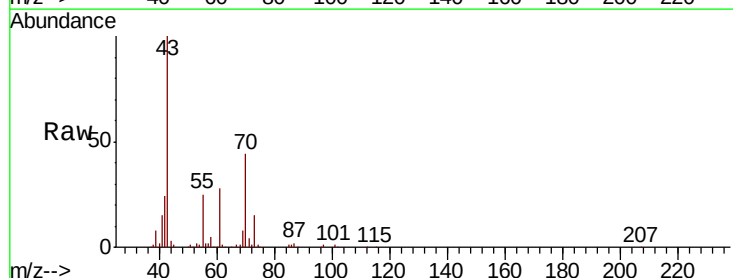
Manual Integrations
APPROVED

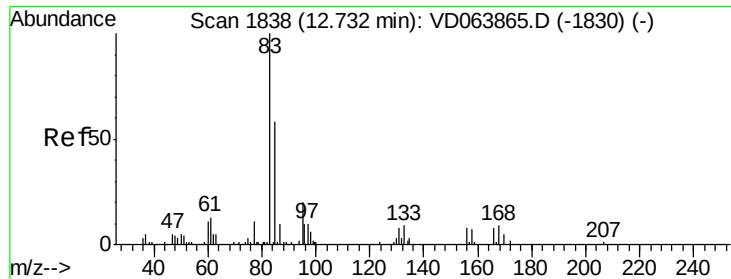
MMDadoda
10/16/2019 12:54:32 AM



#74
N-ethyl acetate
Concen: 49.166 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.0	35.8	53.6
55	25.3	19.4	29.0
61	26.0	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.417 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

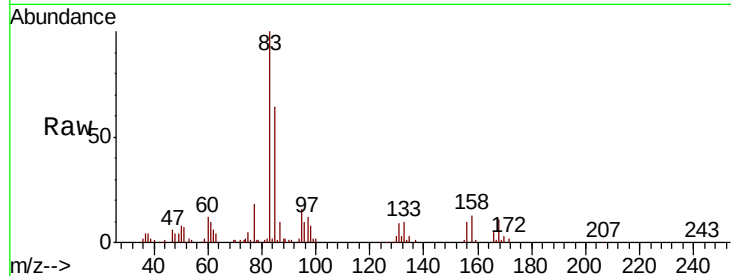
ClientSampleId :

VSTDCCC050EC

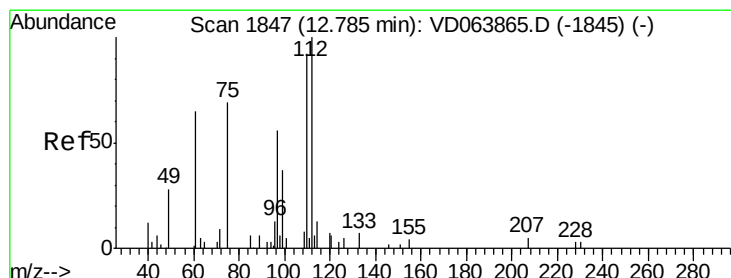
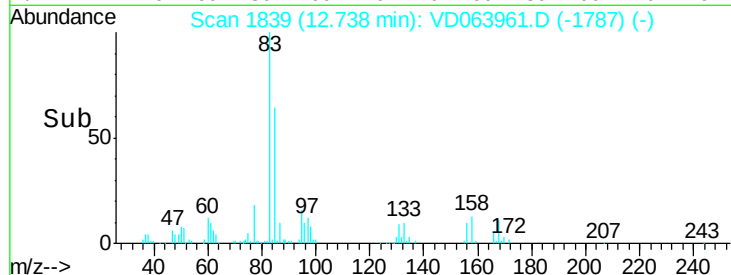
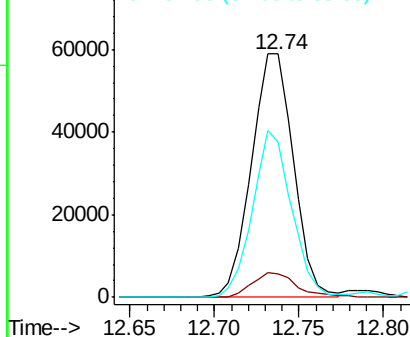
Tot Ion:	83	Resp:	101947
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 59.269 ug/l m

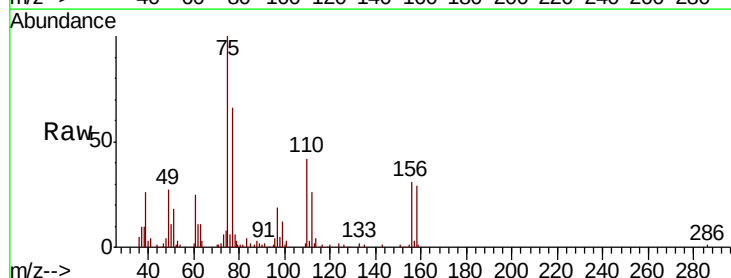
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

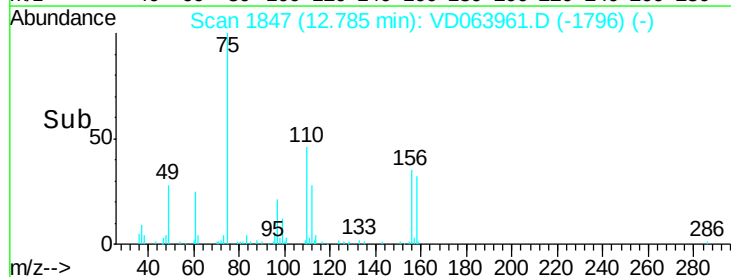
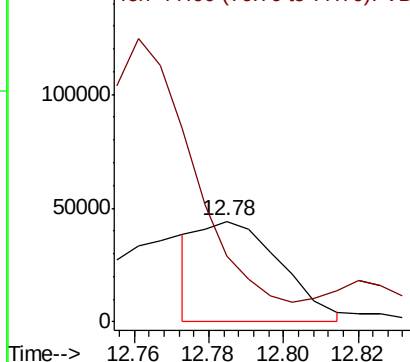
Lab File: VD063961.D

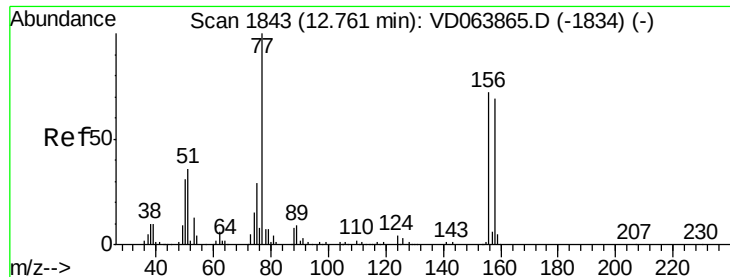
Acq: 14 Oct 2019 17:48

Tgt Ion:	75	Resp:	67283
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.780 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 146993

Ion Ratio Lower Upper

156 100

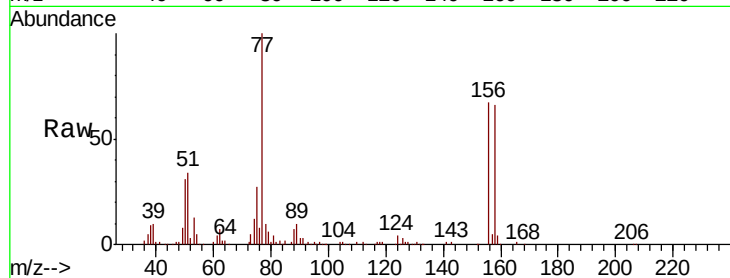
77 158.4 80.3 241.0

158 99.3 47.4 142.2

Manual Integrations
APPROVED

MMDadoda

10/16/2019 12:54:32 AM



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

150000

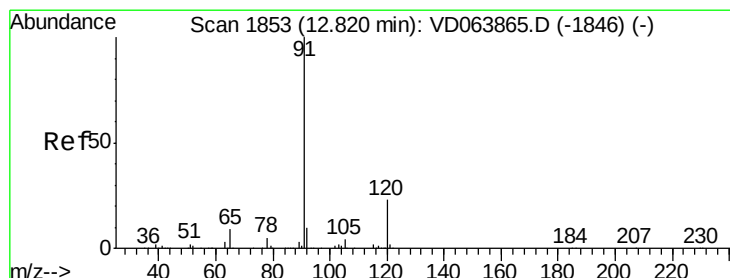
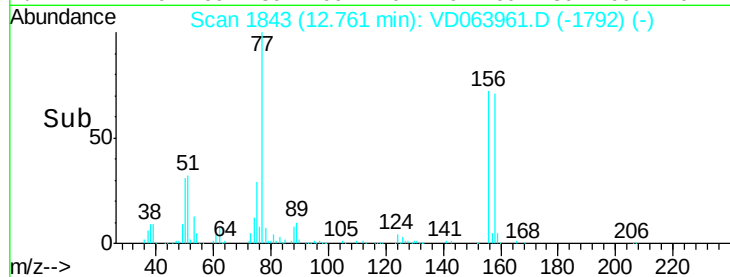
100000

50000

0

12.70 12.75 12.80

Time-->



#78

n-propylbenzene

Concen: 53.288 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063961.D

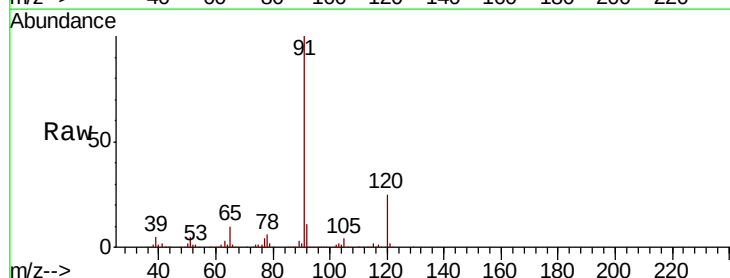
Acq: 14 Oct 2019 17:48

Tgt Ion: 91 Resp: 712701

Ion Ratio Lower Upper

91 100

120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

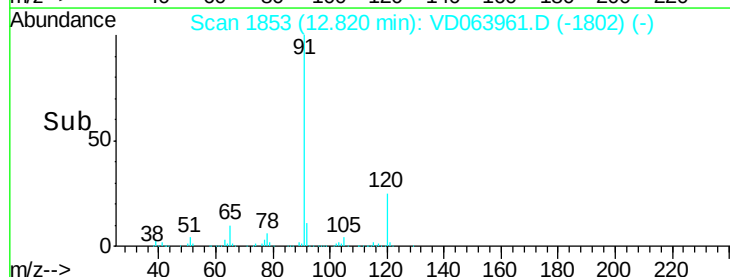
200000

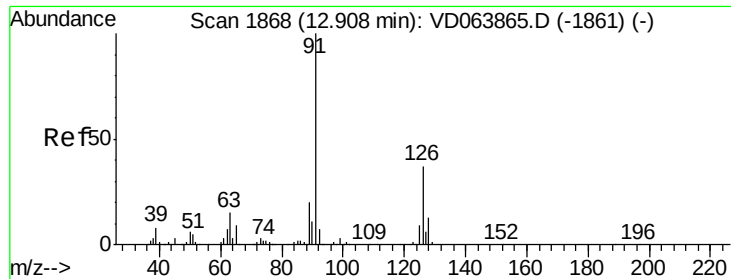
100000

0

12.75 12.80 12.85

Time-->





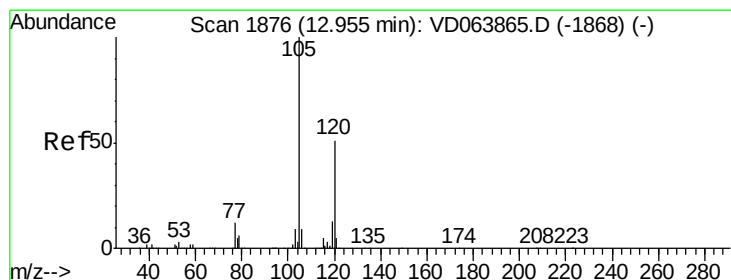
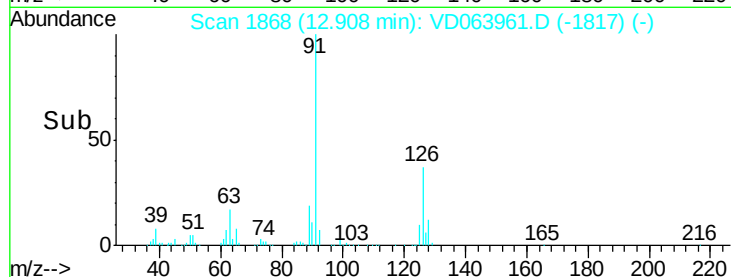
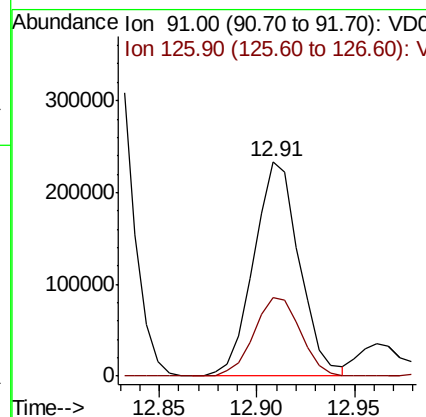
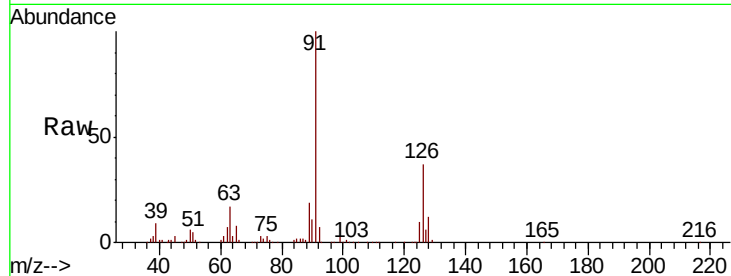
#79
 2-Chlorotoluene
 Concen: 51.298 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 378302
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.4 55.2

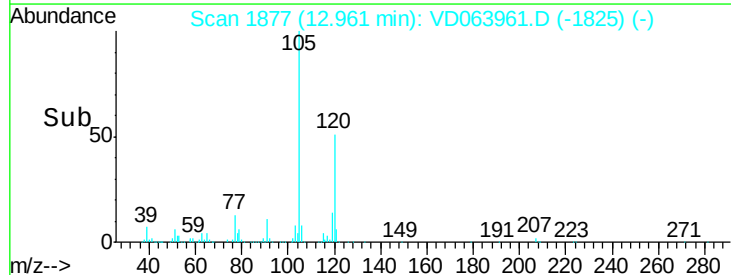
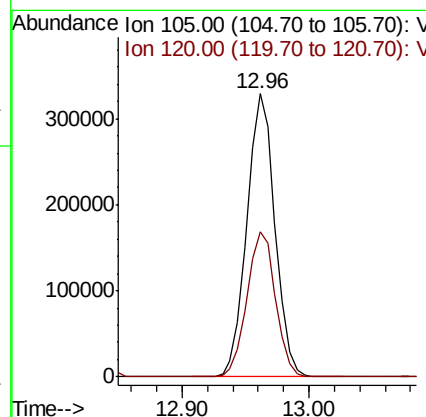
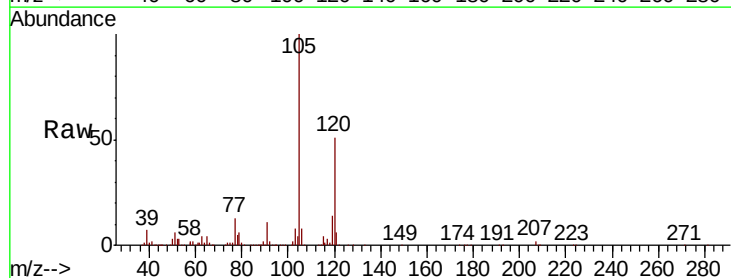
Manual Integrations
 APPROVED

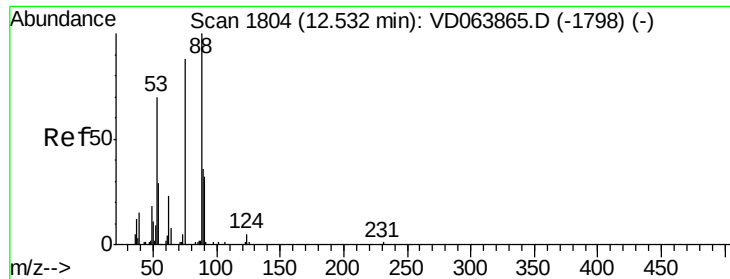
MMDadoda
 10/16/2019 12:54:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.019 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion: 105 Resp: 503995
 Ion Ratio Lower Upper
 105 100
 120 52.2 25.9 77.8





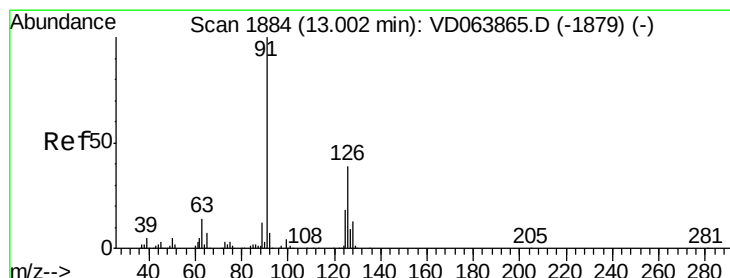
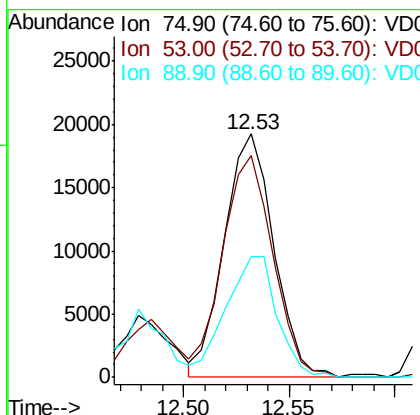
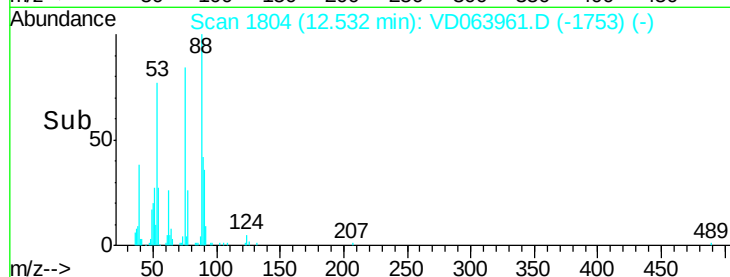
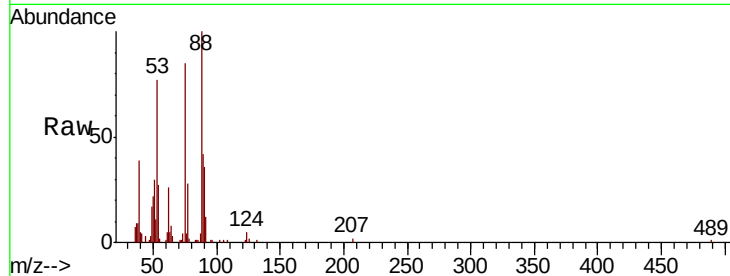
#81
trans-1,4-Dichloro-2-butene
Concen: 48.750 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	75.0	112.6
89	52.0	38.2	57.4

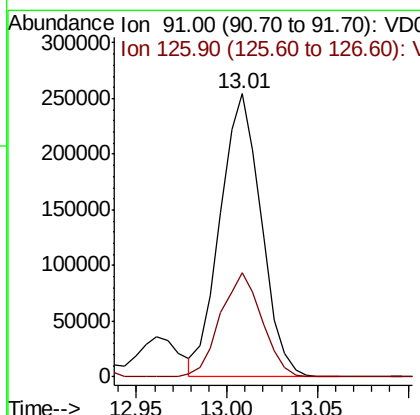
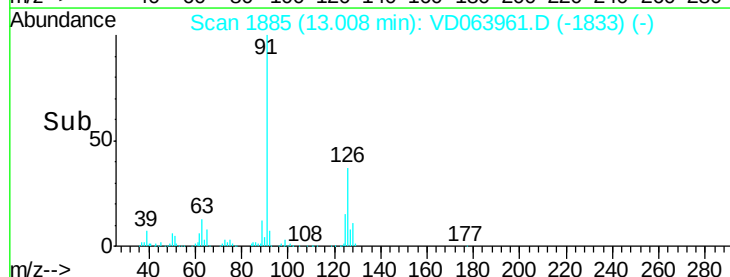
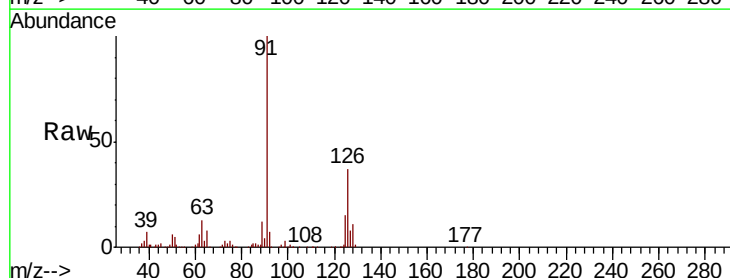
Manual Integrations
APPROVED

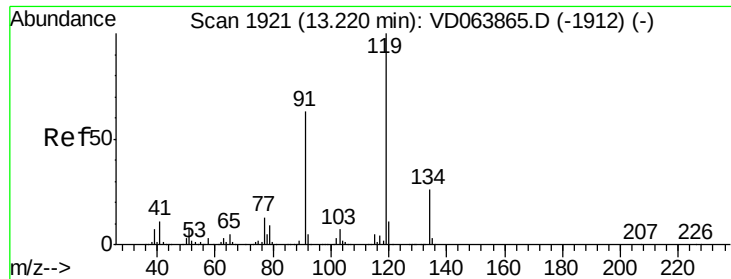
MMDadoda
10/16/2019 12:54:32 AM



#82
4-Chlorotoluene
Concen: 51.261 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.6	55.8





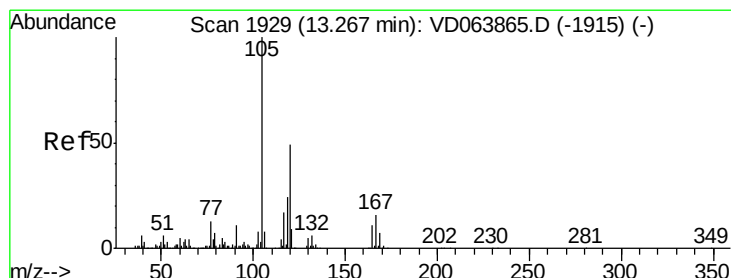
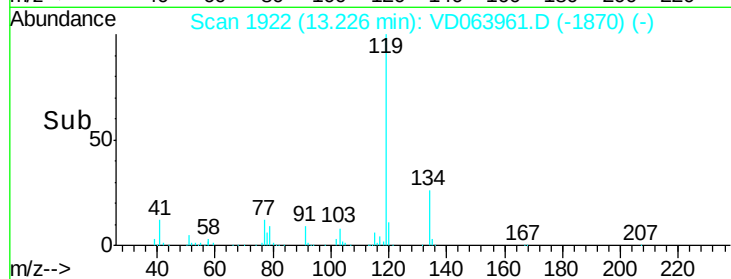
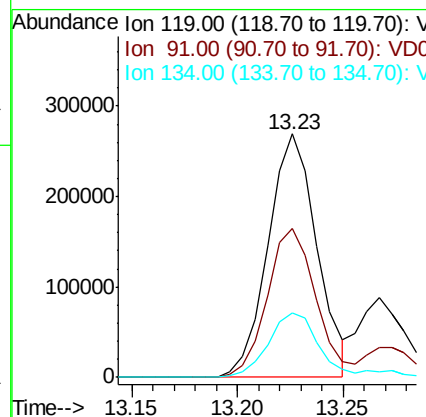
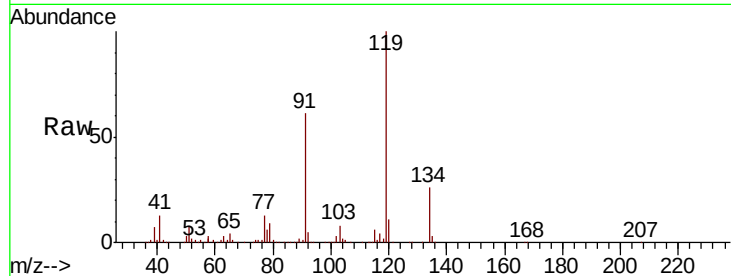
#83
 tert-Butylbenzene
 Concen: 51.106 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.0	90.0
134	29.1	13.0	38.9

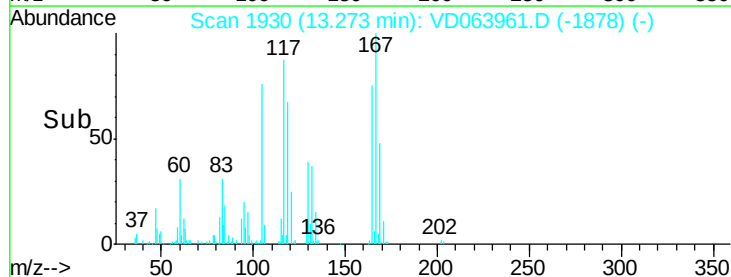
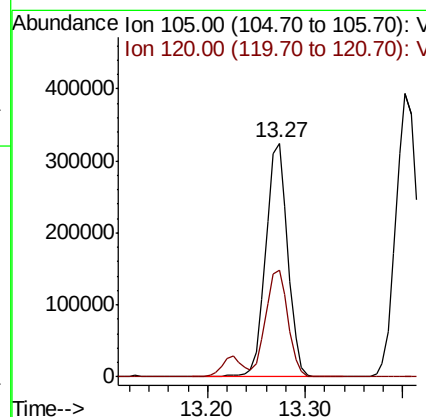
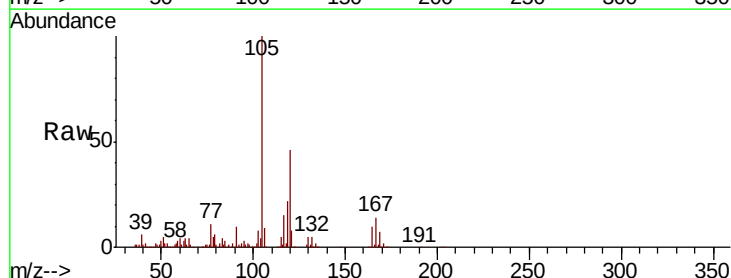
Manual Integrations
 APPROVED

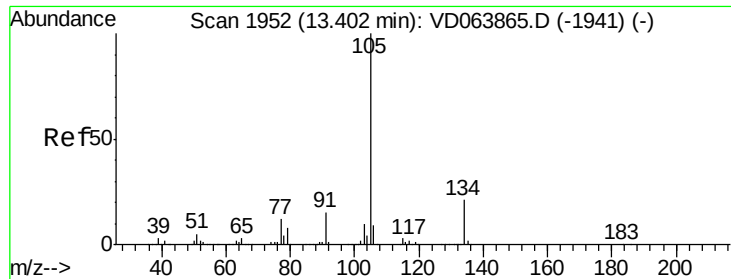
MMDadoda
 10/16/2019 12:54:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.451 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.5





#85

sec-Butylbenzene

Concen: 54.010 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 617072

Ion Ratio Lower Upper

105 100

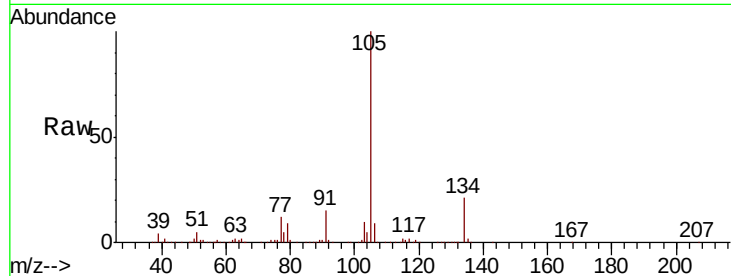
134 21.3 10.6 31.8

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:54:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

400000

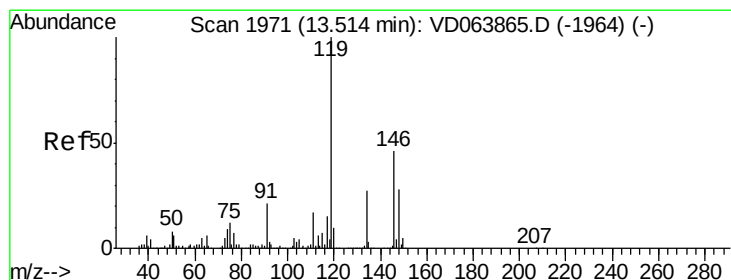
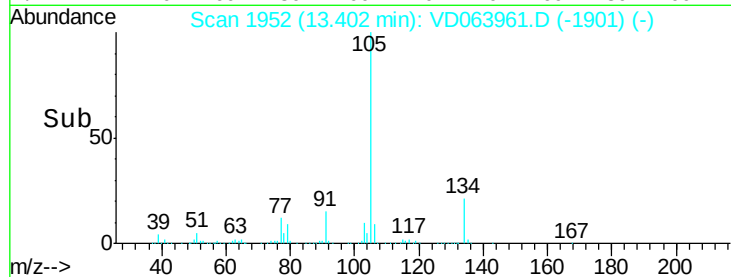
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.469 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063961.D

Acq: 14 Oct 2019 17:48

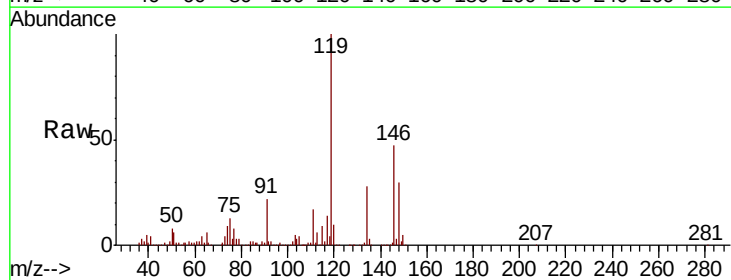
Tgt Ion:119 Resp: 599680

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 21.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

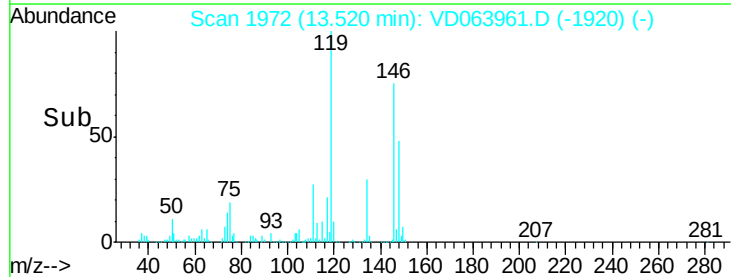
300000

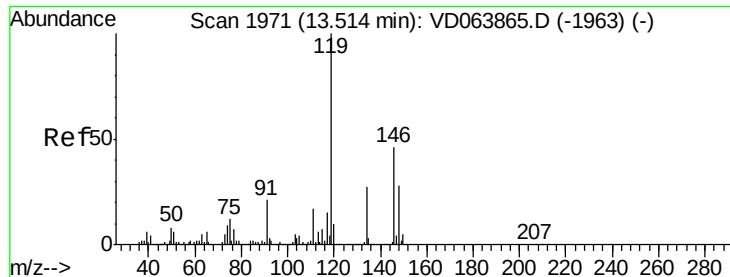
200000

100000

0

Time-->





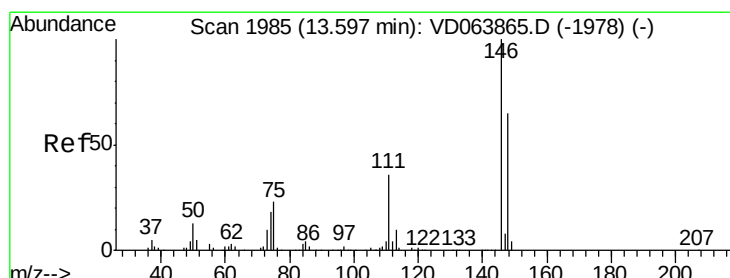
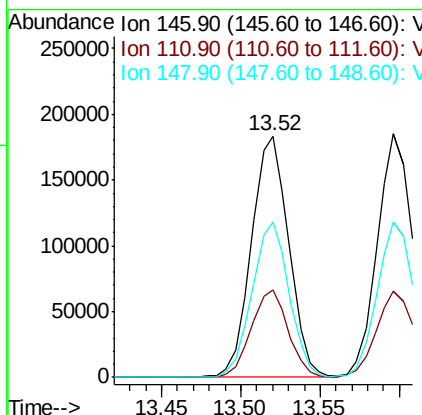
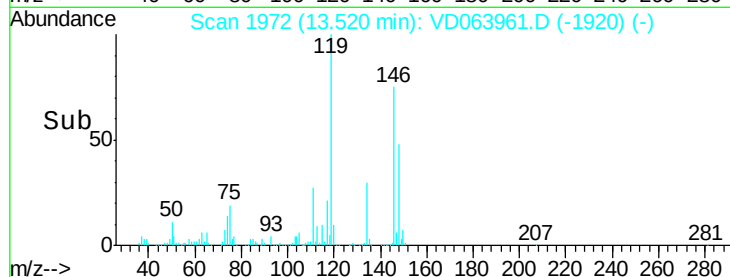
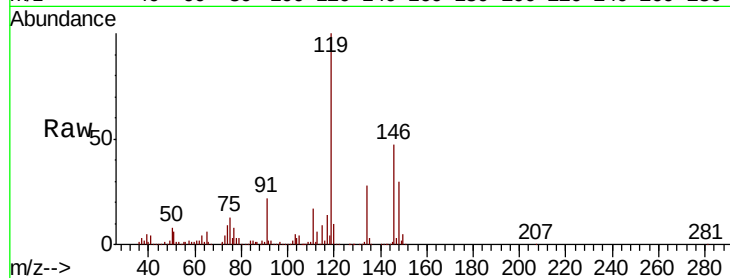
#87
 1,3-Dichlorobenzene
 Concen: 53.650 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.3	54.9
148	63.7	31.8	95.4

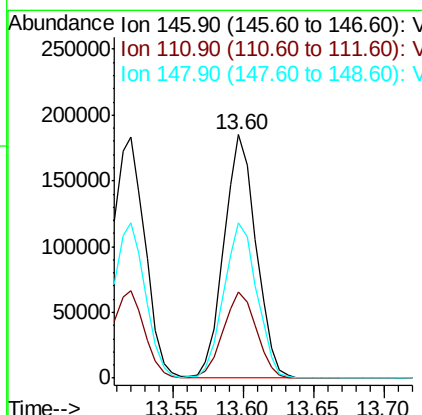
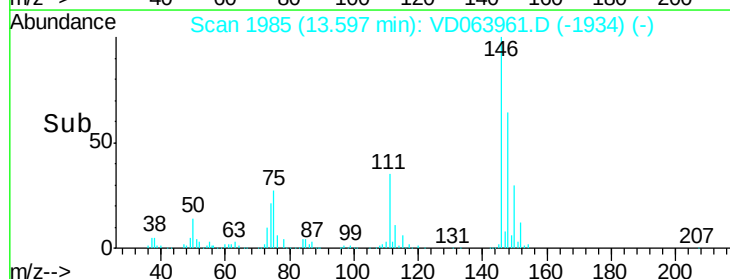
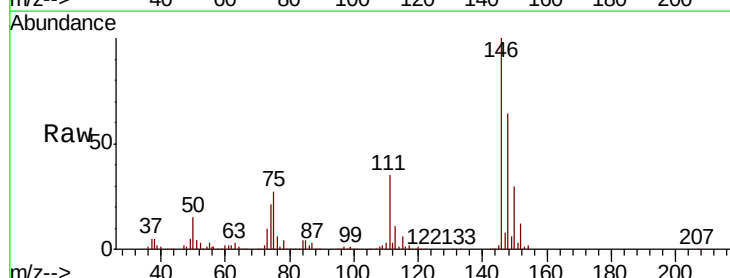
Manual Integrations
 APPROVED

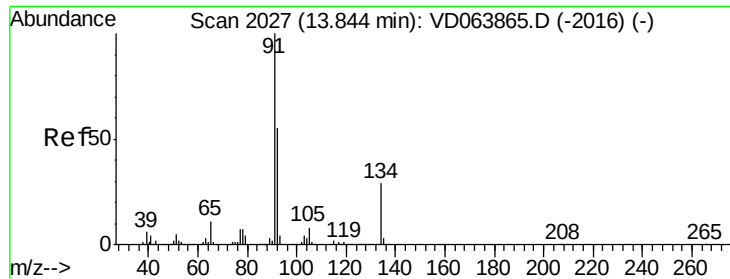
MMDadoda
 10/16/2019 12:54:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.037 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	65.6	32.6	98.0





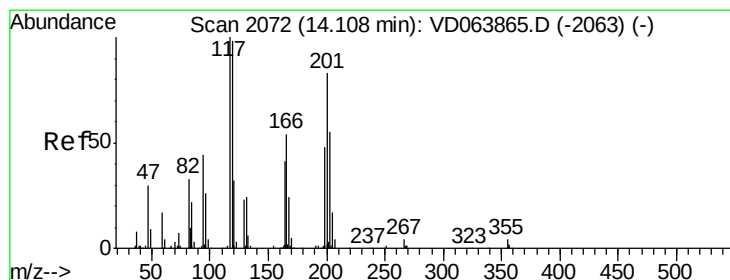
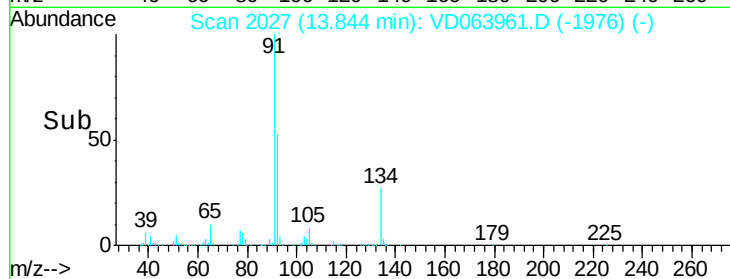
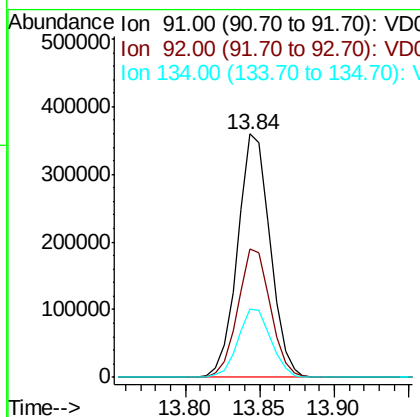
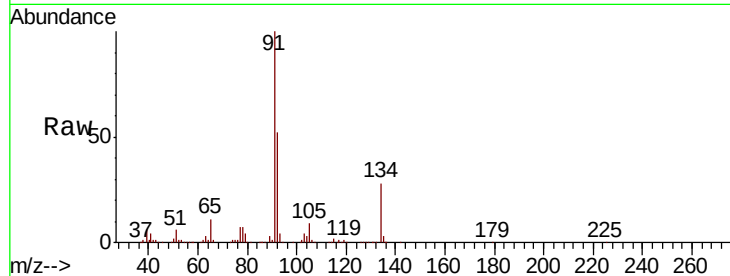
#89
n-Butylbenzene
Concen: 54.053 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	543952		
92	52.7		26.8	80.3
134	28.2		14.4	43.0

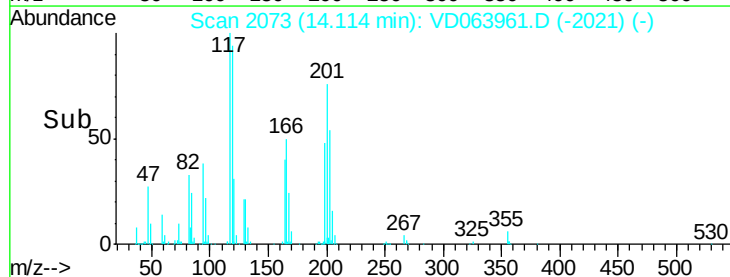
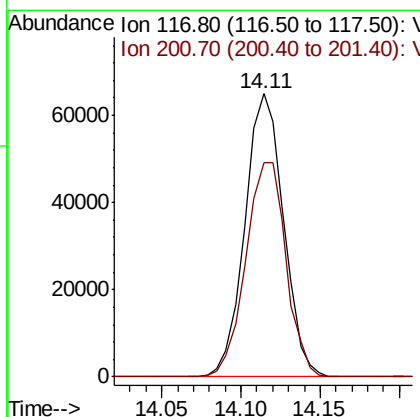
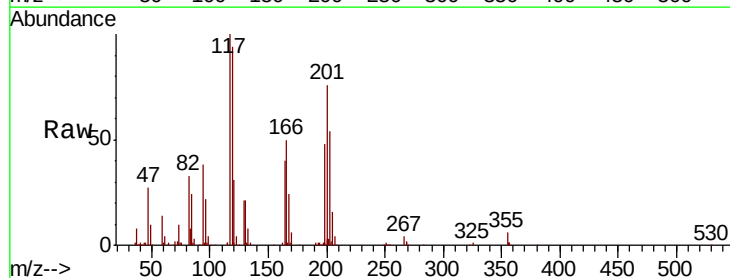
Manual Integrations
APPROVED

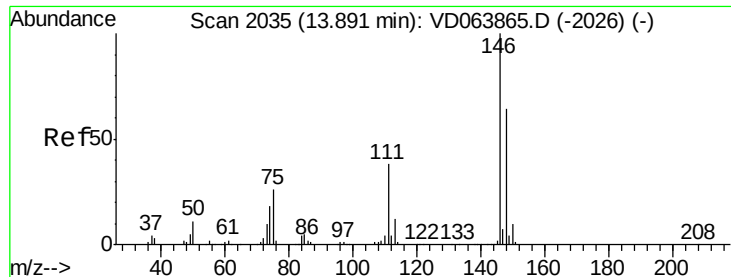
MMDadoda
10/16/2019 12:54:32 AM



#90
Hexachloroethane
Concen: 56.479 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109820		
201	79.0		40.6	121.7





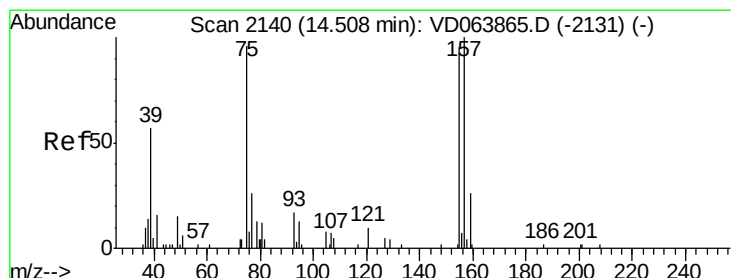
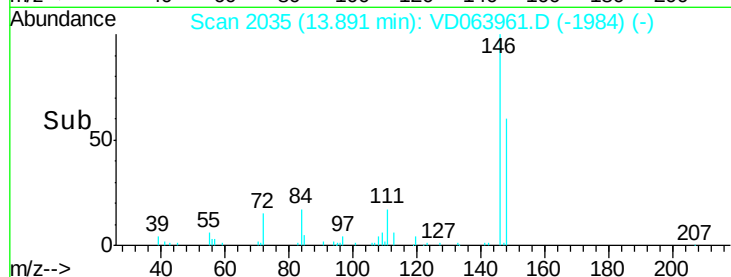
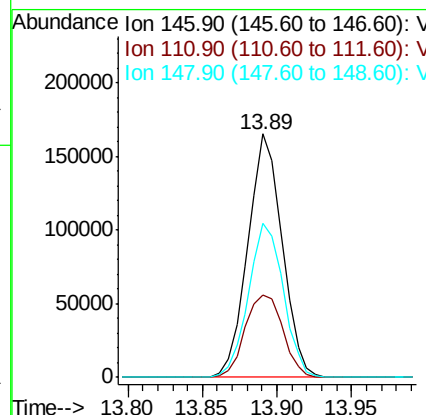
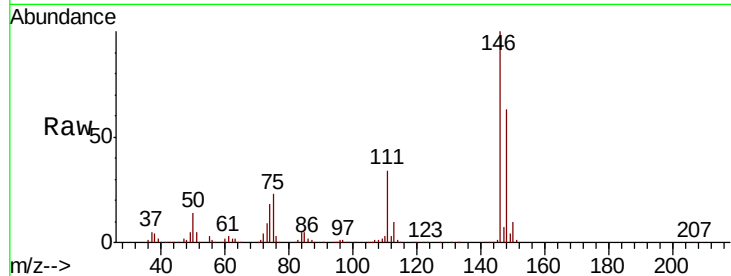
#91
 1,2-Dichlorobenzene
 Concen: 54.218 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	64.4	31.6	95.0

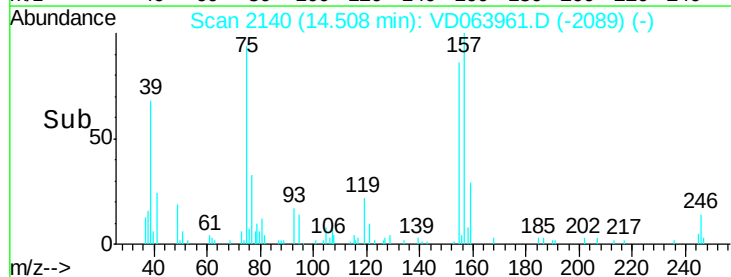
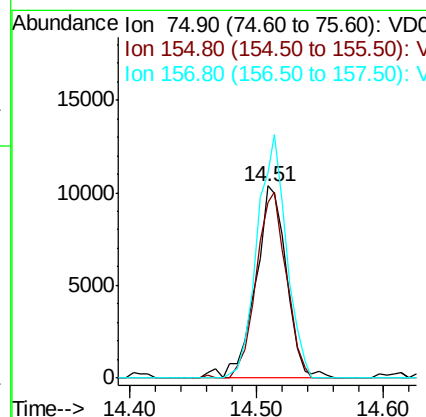
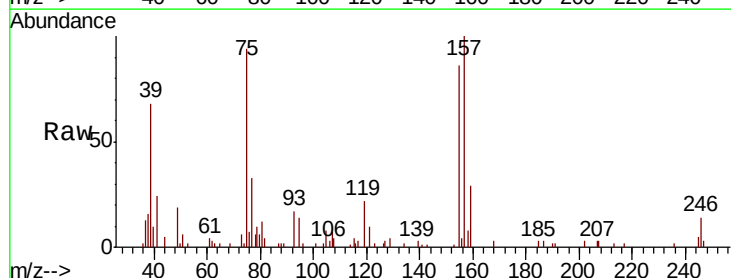
Manual Integrations
 APPROVED

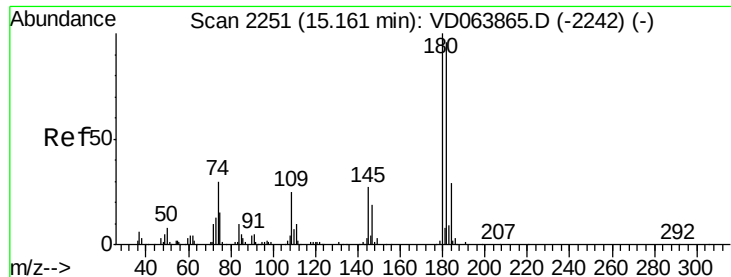
MMDadoda
 10/16/2019 12:54:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.933 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	43.9	131.6
157	118.6	56.0	167.9





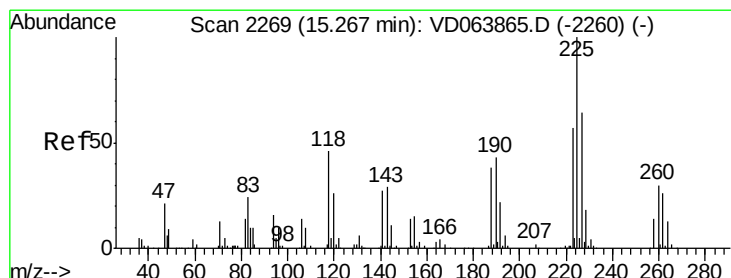
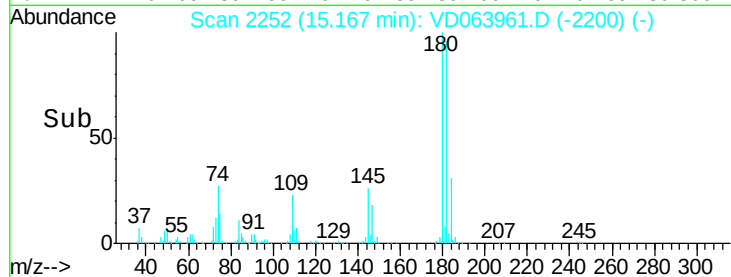
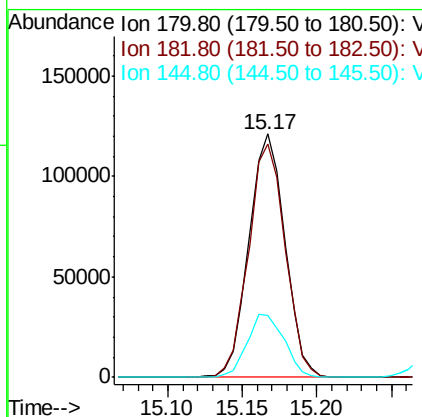
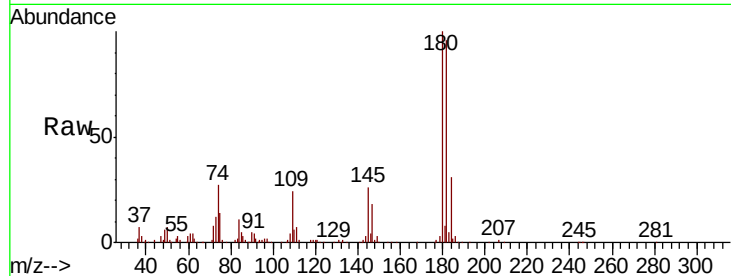
#93
 1,2,4-Trichlorobenzene
 Concen: 54.255 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	202363
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.4	142.3
145	26.7	13.9	41.7

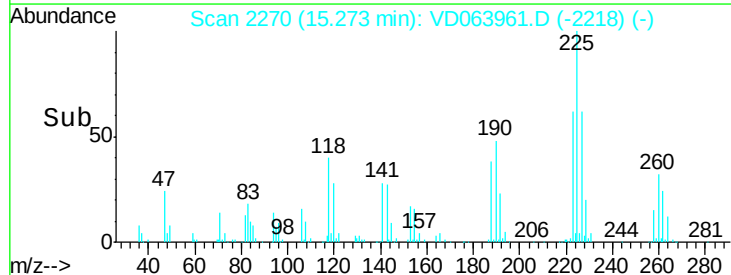
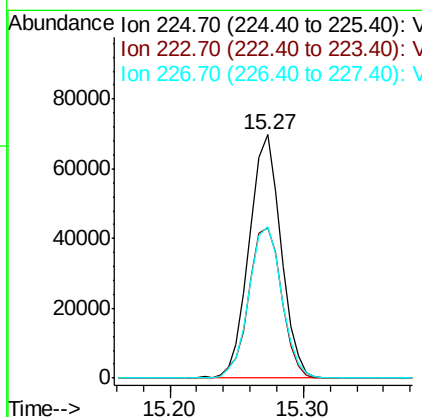
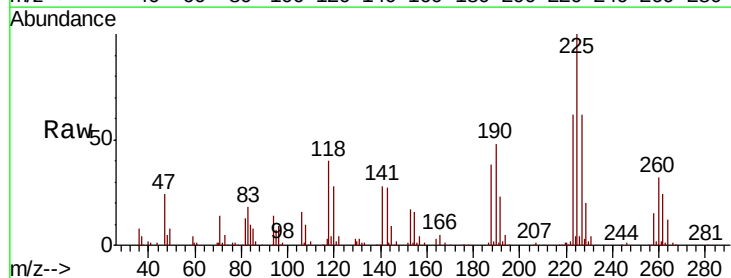
Manual Integrations
 APPROVED

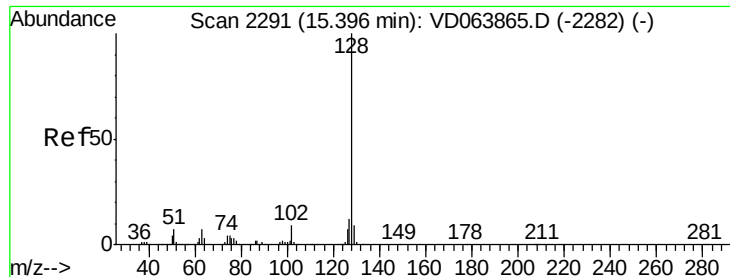
MMDadoda
 10/16/2019 12:54:32 AM



#94
 Hexachlorobutadiene
 Concen: 55.644 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063961.D
 Acq: 14 Oct 2019 17:48

Tgt Ion:	225	Resp:	114530
Ion Ratio	Lower	Upper	
225	100		
223	63.9	29.5	88.6
227	64.4	30.8	92.4





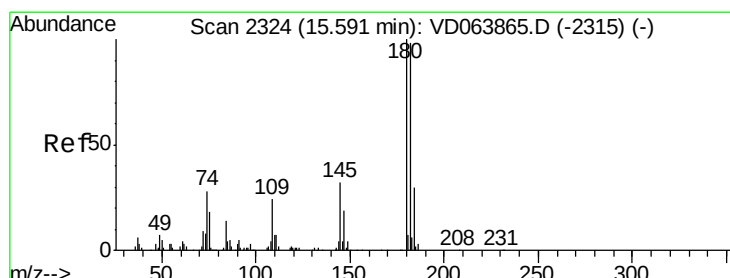
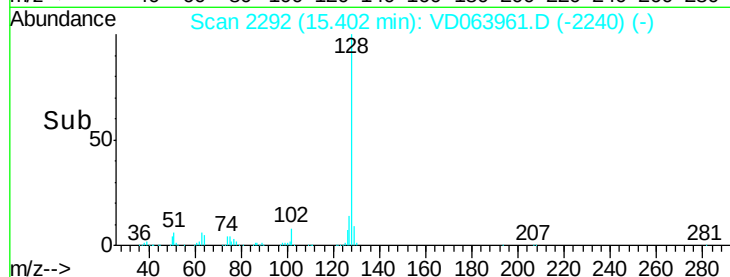
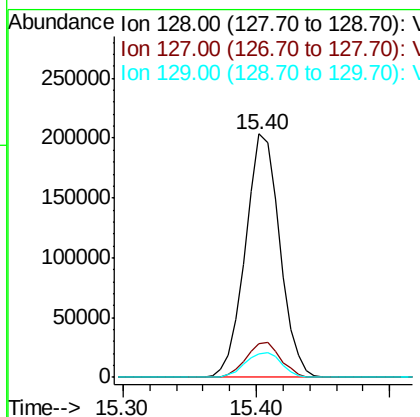
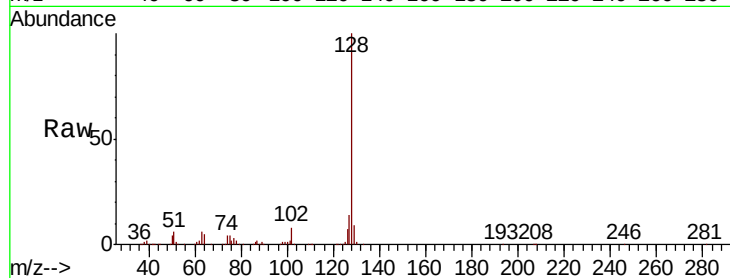
#95
Naphthalene
Concen: 57.579 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.565 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063961.D
Acq: 14 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.0	141.0
145	29.8	15.3	45.9

