

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065221.D
 Acq On : 18 Feb 2020 16:18
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:51 PM

Quant Time: Feb 19 03:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	642156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223417	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.92	113	228030	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	901810	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.64	95	285110	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71895	18.417	ug/l	95
3) Chloromethane	2.21	50	102418	20.612	ug/l	94
4) Vinyl Chloride	2.35	62	102244	20.236	ug/l	100
5) Bromomethane	2.76	94	66187	21.666	ug/l	98
6) Chloroethane	2.92	64	64067	20.773	ug/l	99
7) Trichlorofluoromethane	3.27	101	150190	20.763	ug/l	99
8) Diethyl Ether	3.71	74	46029	21.080	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95092	20.817	ug/l	99
10) Methyl Iodide	4.29	142	91913	19.379	ug/l	98
11) Tert butyl alcohol	5.25	59	23813	95.175	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	90202	20.903	ug/l	99
13) Acrolein	3.93	56	44471	131.202	ug/l	97
14) Allyl chloride	4.71	41	147358	21.028	ug/l	99
15) Acrylonitrile	5.43	53	100887	104.360	ug/l	99
16) Acetone	4.17	43	93768	91.613	ug/l	96
17) Carbon Disulfide	4.40	76	299848	20.726	ug/l	99
18) Methyl Acetate	4.72	43	49365	21.445	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	187032	20.784	ug/l	99
20) Methylene Chloride	4.96	84	112922	22.222	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	106093	21.627	ug/l	97
22) Diisopropyl ether	6.37	45	287470	21.280	ug/l	99
23) Vinyl Acetate	6.31	43	783134	105.155	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174504	20.826	ug/l	99
25) 2-Butanone	7.23	43	122683	94.737	ug/l	99
26) 2,2-Dichloropropane	7.21	77	151065	20.779	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	108653	20.910	ug/l	99
28) Bromochloromethane	7.55	49	62521	20.112	ug/l	97
29) Tetrahydrofuran	7.57	42	78560	103.538	ug/l	99
30) Chloroform	7.71	83	179616	21.277	ug/l	99
31) Cyclohexane	7.98	56	170919	20.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	158733	21.016	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142055	20.759	ug/l	99
37) Ethyl Acetate	7.30	43	56653	19.804	ug/l	99
38) Carbon Tetrachloride	8.10	117	147004	21.103	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065221.D
 Acq On : 18 Feb 2020 16:18
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:51 PM

Quant Time: Feb 19 03:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166058	20.641	ug/l	99
40) Benzene	8.36	78	405011	20.969	ug/l	100
41) Methacrylonitrile	7.53	41	34720	21.020	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	109511	20.624	ug/l	100
43) Isopropyl Acetate	8.46	43	105551	20.290	ug/l	99
44) Trichloroethene	9.11	130	112742	21.057	ug/l	99
45) 1,2-Dichloropropane	9.39	63	101995	21.236	ug/l	100
46) Dibromomethane	9.48	93	51163	20.704	ug/l	100
47) Bromodichloromethane	9.67	83	134541	20.659	ug/l	98
48) Methyl methacrylate	9.46	41	50367	20.946	ug/l	96
49) 1,4-Dioxane	9.47	88	11199	386.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	265139	100.348	ug/l	99
52) Toluene	10.41	92	256159	21.426	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	126187	20.904	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	153971	21.123	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71562	20.575	ug/l	94
56) Ethyl methacrylate	10.67	69	81354	20.265	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121665	20.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125902	99.474	ug/l	99
59) 2-Hexanone	10.99	43	185108	97.868	ug/l	98
60) Dibromochloromethane	11.14	129	92117	20.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69091	20.980	ug/l	99
64) Tetrachloroethene	10.88	164	94986	20.856	ug/l	99
65) Chlorobenzene	11.67	112	266346	20.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98099	20.400	ug/l	98
67) Ethyl Benzene	11.75	91	474033	21.003	ug/l	99
68) m/p-Xylenes	11.86	106	365051	42.277	ug/l	100
69) o-Xylene	12.18	106	160103	20.928	ug/l	99
70) Styrene	12.20	104	289154	21.289	ug/l	100
71) Bromoform	12.37	173	52982	19.855	ug/l #	100
73) Isopropylbenzene	12.48	105	434739	20.962	ug/l	100
74) N-amyl acetate	12.30	43	93156	20.215	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75673	20.217	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	60368m	22.650	ug/l	
77) Bromobenzene	12.77	156	107899	20.952	ug/l	98
78) n-propylbenzene	12.83	91	532522	21.367	ug/l	100
79) 2-Chlorotoluene	12.91	91	293326	21.009	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	366052	21.430	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24495	19.844	ug/l	99
82) 4-Chlorotoluene	13.01	91	312651	21.093	ug/l	100
83) tert-Butylbenzene	13.23	119	303367	21.190	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	366727	21.450	ug/l	100
85) sec-Butylbenzene	13.41	105	430365	20.862	ug/l	99
86) p-Isopropyltoluene	13.53	119	398274	21.112	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207881	20.880	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	205182	20.882	ug/l	99
89) n-Butylbenzene	13.85	91	364240	20.953	ug/l	99
90) Hexachloroethane	14.12	117	78924	20.604	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174631	20.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11774	20.412	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065221.D
Acq On : 18 Feb 2020 16:18
Operator : VA/SY
Sample : VD0218SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM

Quant Time: Feb 19 03:49:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119387	21.351	ug/l	99
94) Hexachlorobutadiene	15.28	225	76208	21.246	ug/l	99
95) Naphthalene	15.41	128	183367	20.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102434	20.975	ug/l	98

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

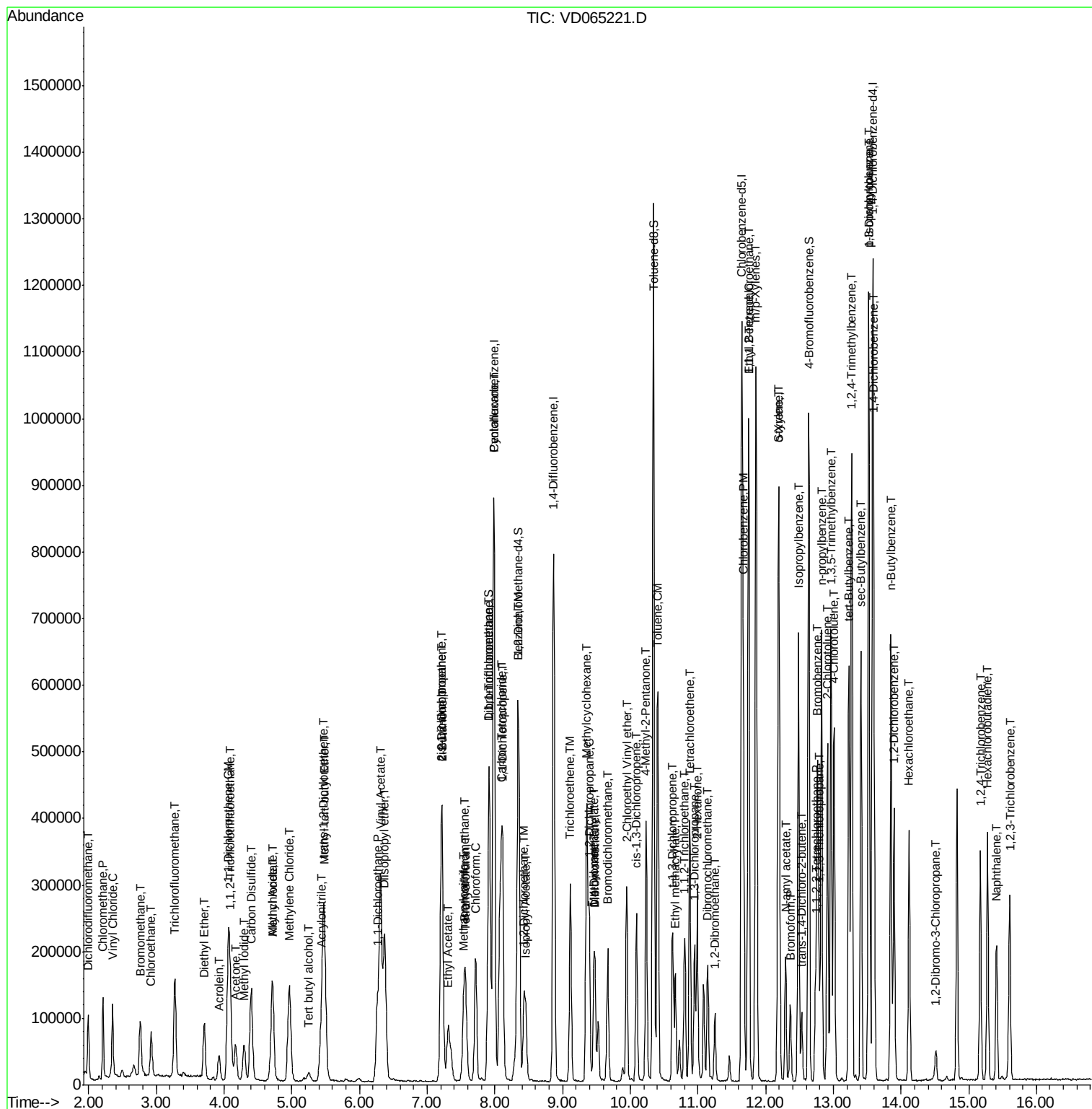
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065221.D
Acq On : 18 Feb 2020 16:18
Operator : VA/SY
Sample : VD0218SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

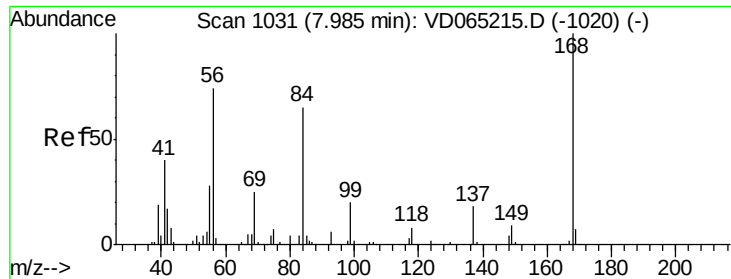
Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM

Quant Time: Feb 19 03:49:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion:168 Resp: 465431

Ion Ratio Lower Upper

168 100

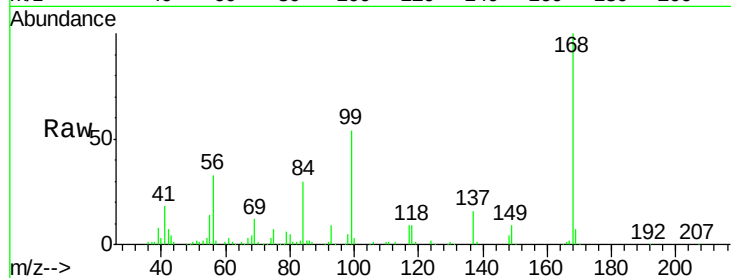
99 53.3 41.4 62.2

Manual Integrations

APPROVED

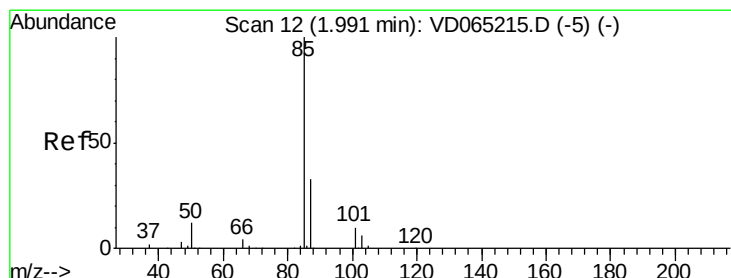
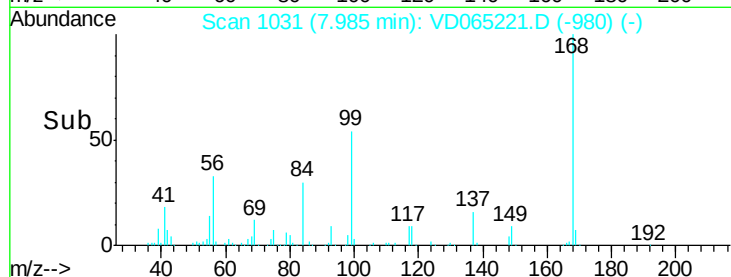
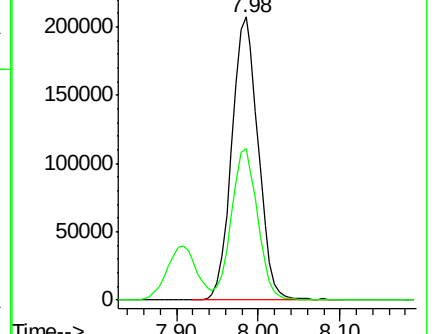
MMDadoda

2/19/2020 1:43:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.417 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065221.D

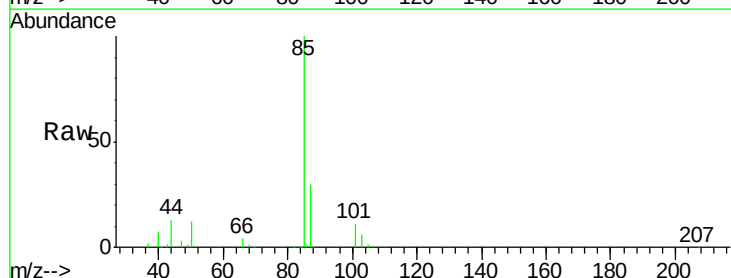
Acq: 18 Feb 2020 16:18

Tgt Ion: 85 Resp: 71895

Ion Ratio Lower Upper

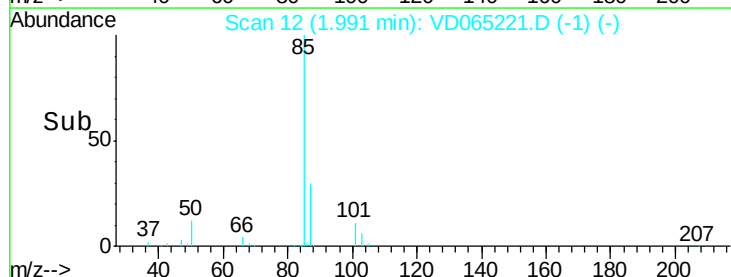
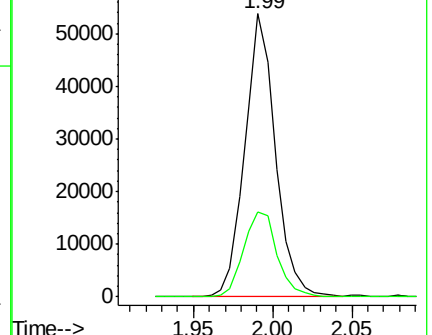
85 100

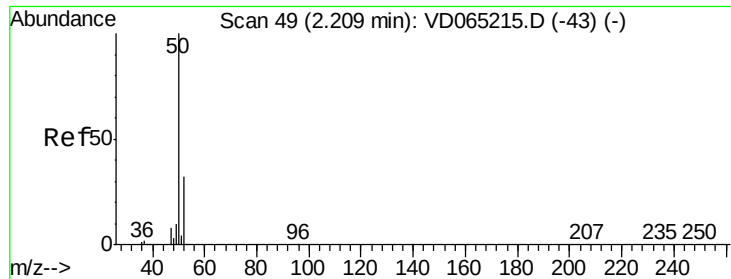
87 30.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.612 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 50 Resp: 102418

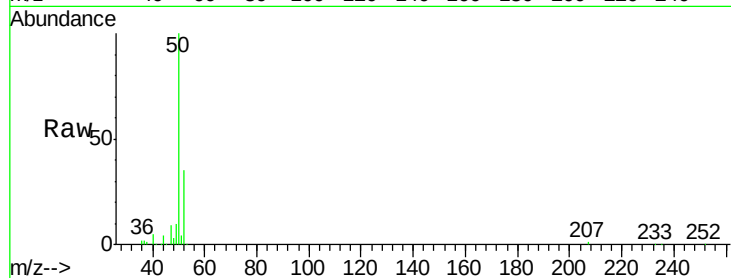
Ion Ratio Lower Upper

50 100

52 35.4 25.5 38.3

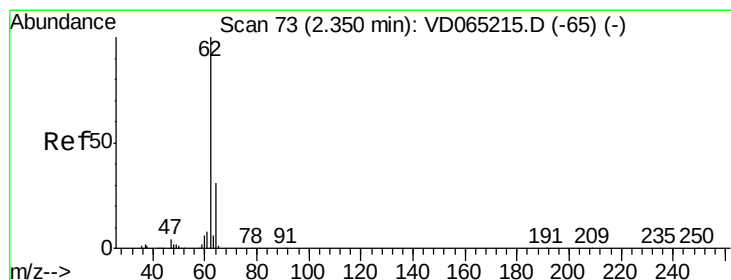
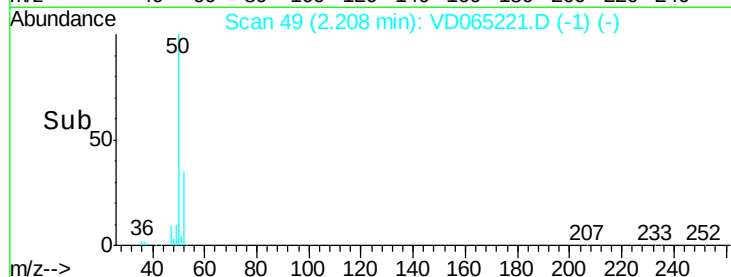
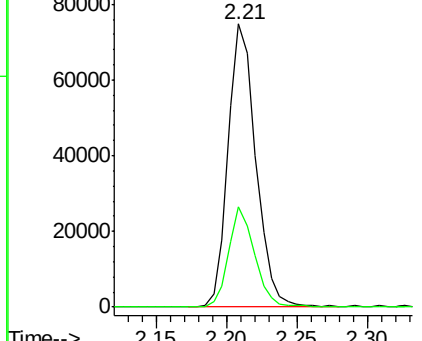
Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.236 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065221.D

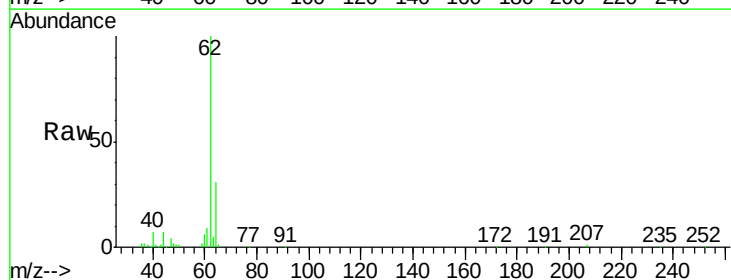
Acq: 18 Feb 2020 16:18

Tgt Ion: 62 Resp: 102244

Ion Ratio Lower Upper

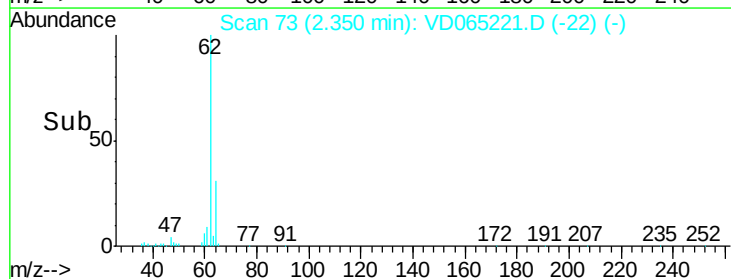
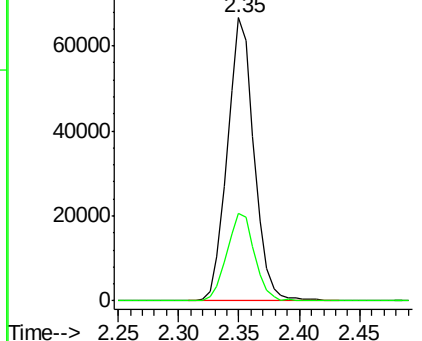
62 100

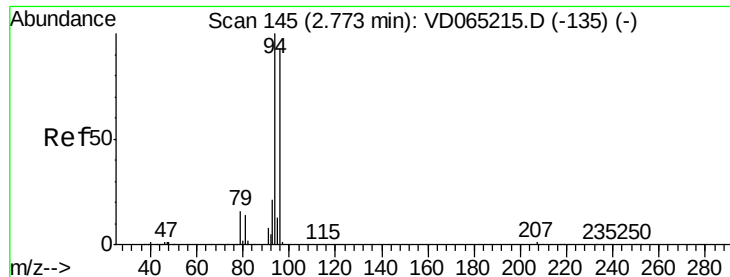
64 31.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.666 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 94 Resp: 66187

Ion Ratio Lower Upper

94 100

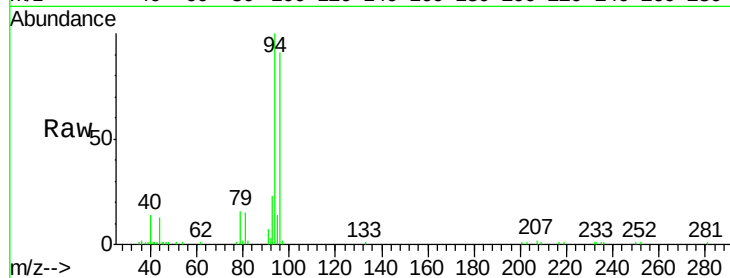
96 90.7 74.2 111.4

Manual Integrations

APPROVED

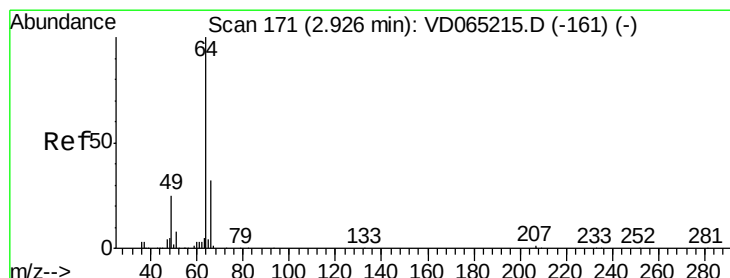
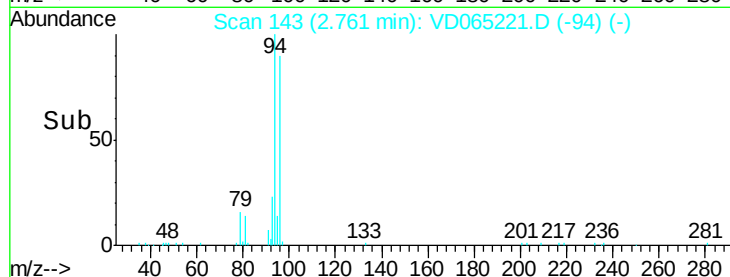
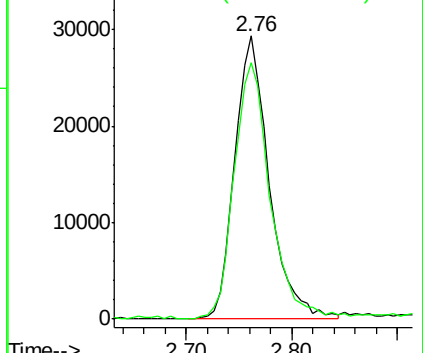
MMDadoda

2/19/2020 1:43:51 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.773 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065221.D

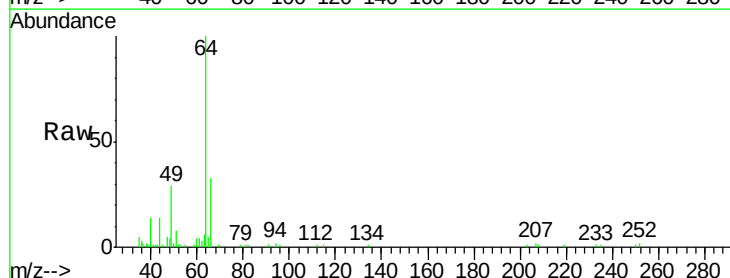
Acq: 18 Feb 2020 16:18

Tgt Ion: 64 Resp: 64067

Ion Ratio Lower Upper

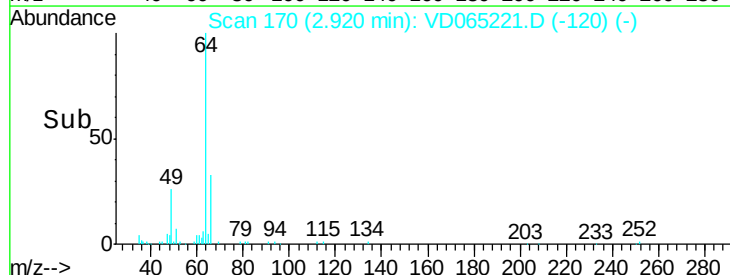
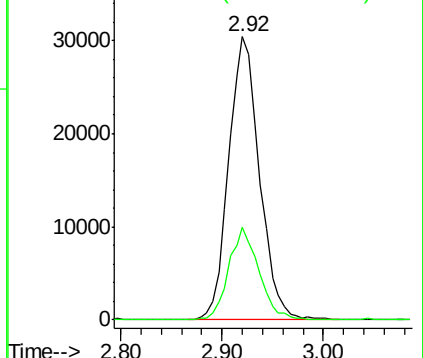
64 100

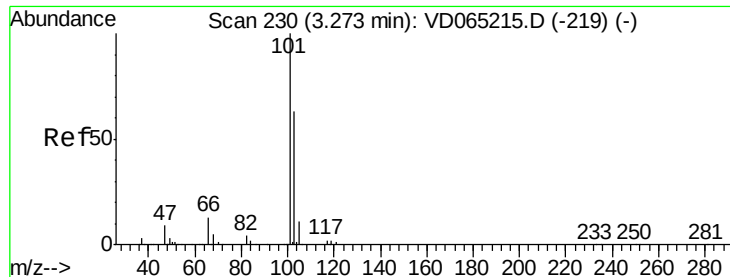
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

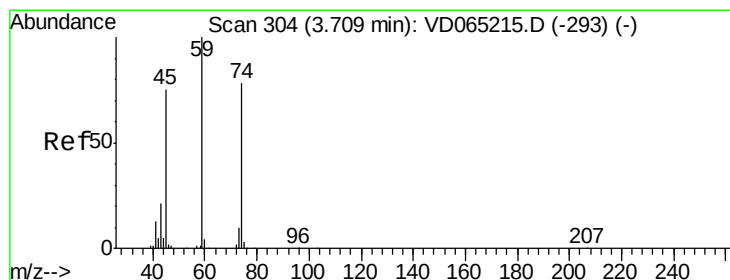
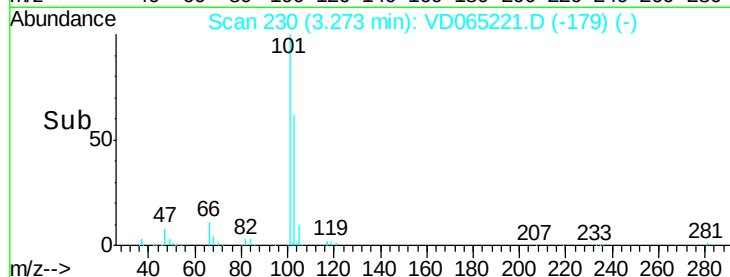
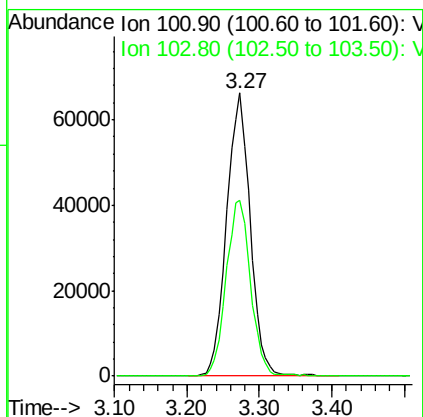
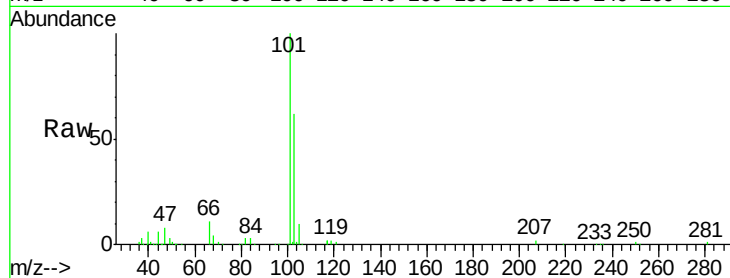
Trichlorofluoromethane
Concen: 20.763 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	150190		
103	62.3	50.7	76.1	

Manual Integrations
APPROVED

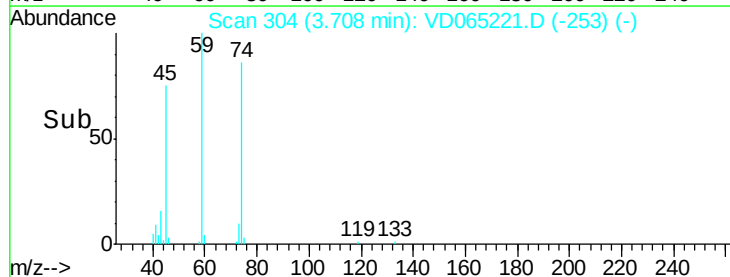
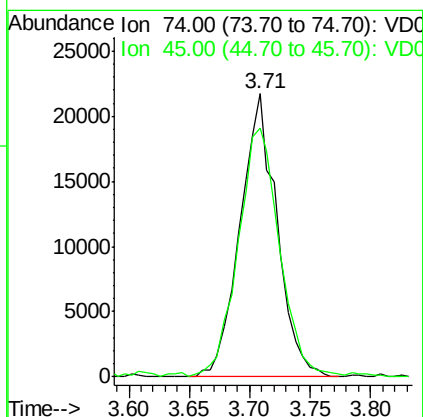
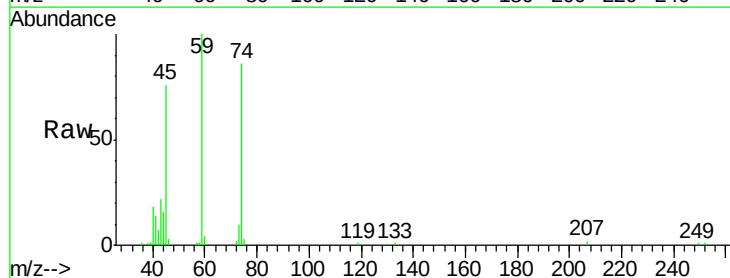
MMDadoda
2/19/2020 1:43:51 PM

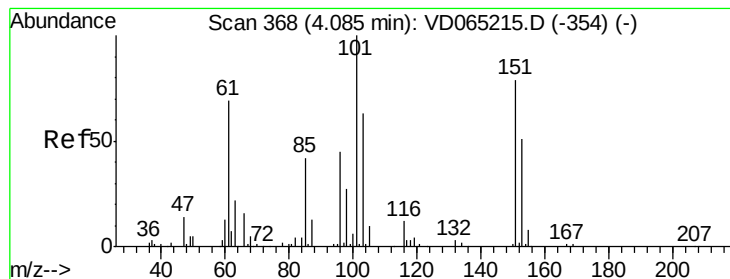


#8

Diethyl Ether
Concen: 21.080 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46029		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.817 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

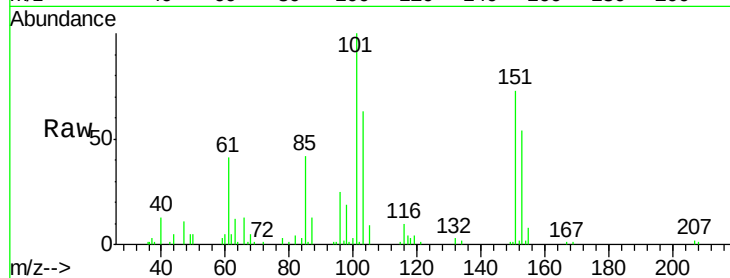
ClientSampleId :

VD0218SBS01

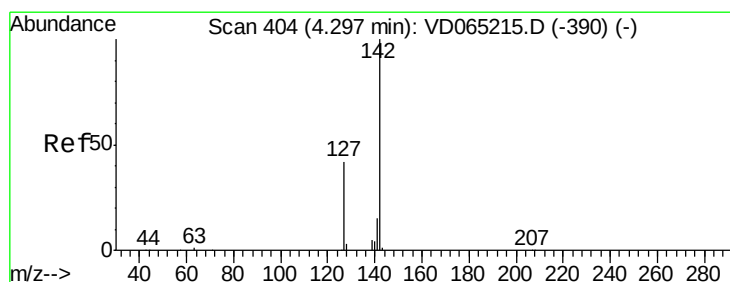
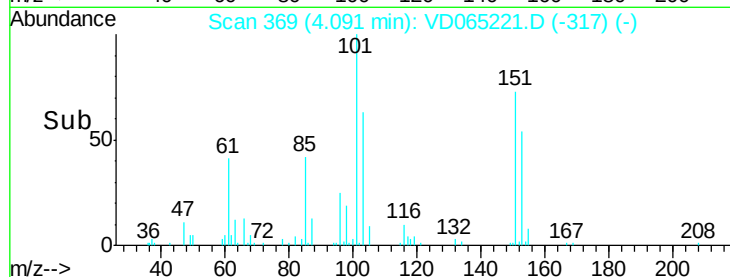
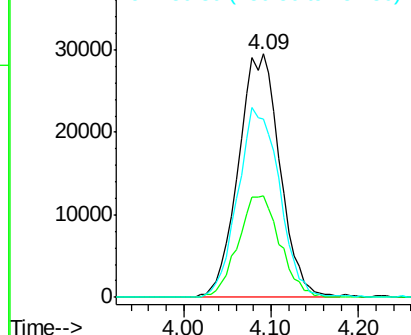
Tot Ion:	101	Resp:	95092
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	78.0	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.379 ug/l

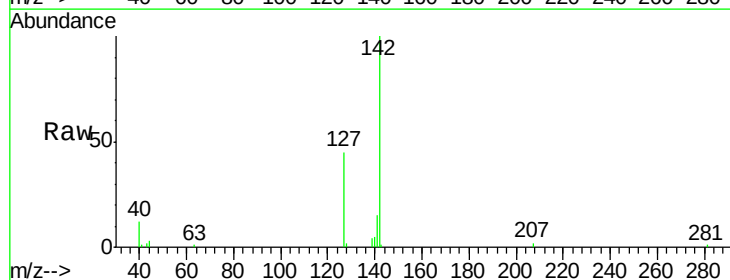
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

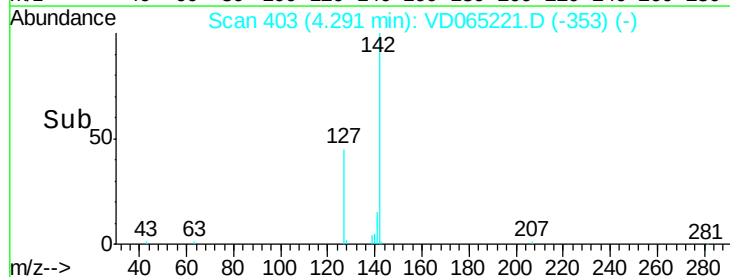
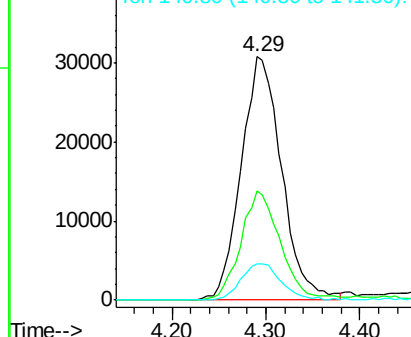
Lab File: VD065221.D

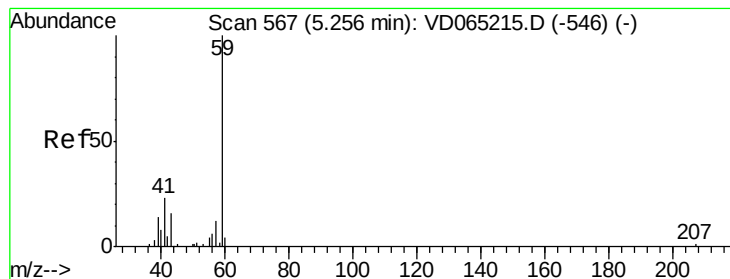
Acq: 18 Feb 2020 16:18

Tgt Ion:	142	Resp:	91913
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.8
141	14.8	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

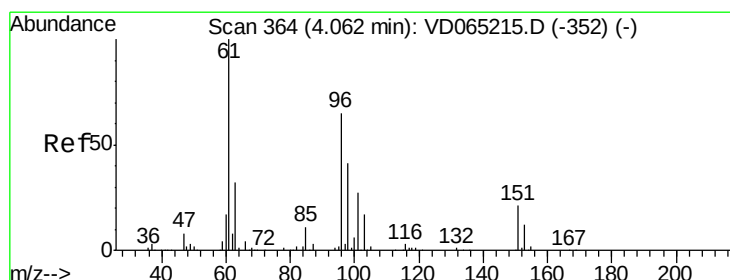
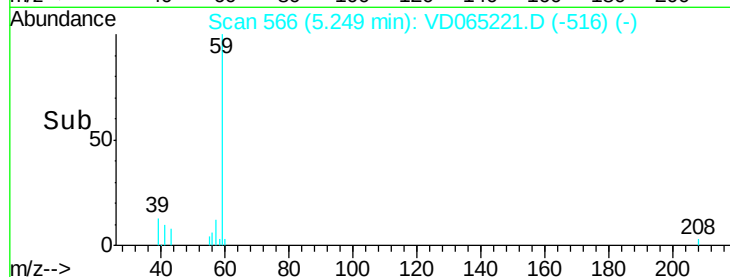
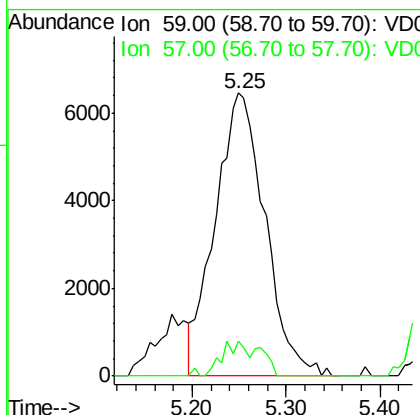
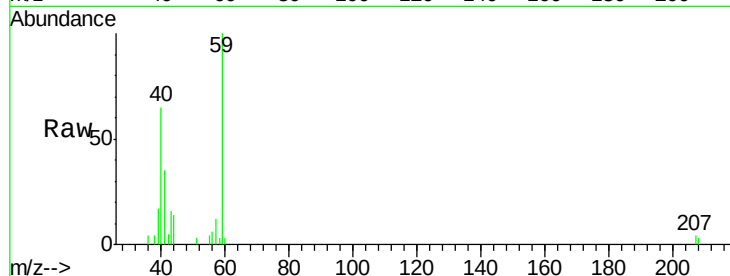
Tert butyl alcohol
Concen: 95.175 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	23813		
57	6.0		8.4	12.6#

Manual Integrations
APPROVED

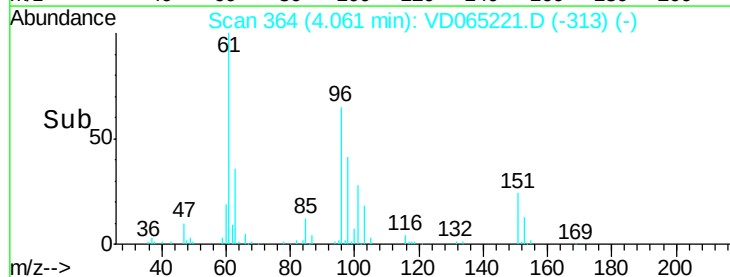
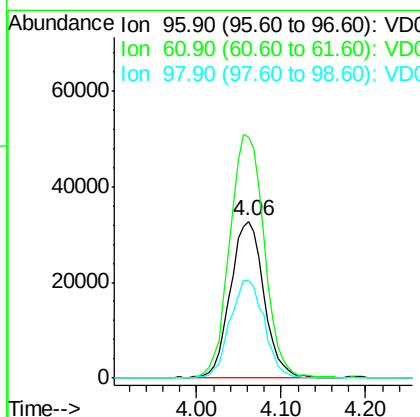
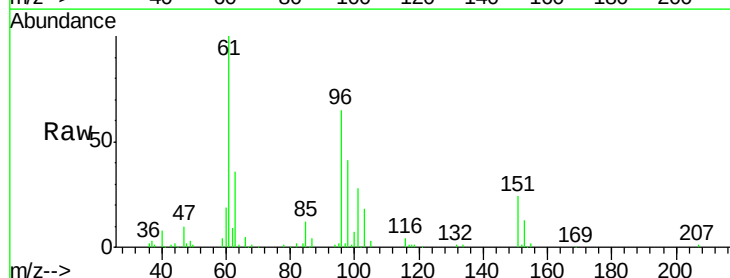
MMDadoda
2/19/2020 1:43:51 PM

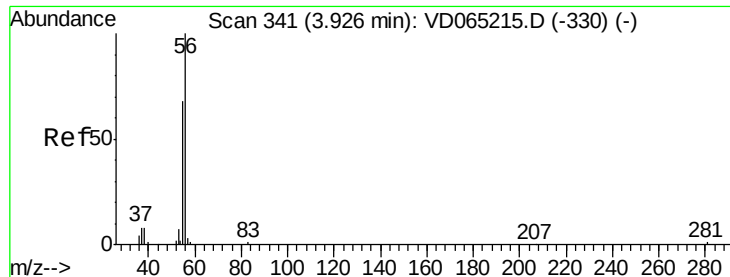


#12

1,1-Dichloroethene
Concen: 20.903 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	90202		
61	153.2		123.3	184.9
98	62.3		51.0	76.4





#13

Acrolein

Concen: 131.202 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 56 Resp: 44471

Ion Ratio Lower Upper

56 100

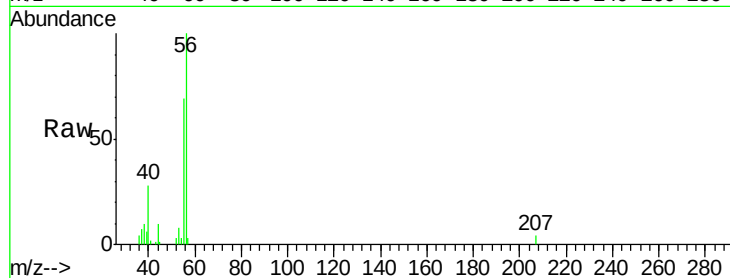
55 73.5 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 1:43:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

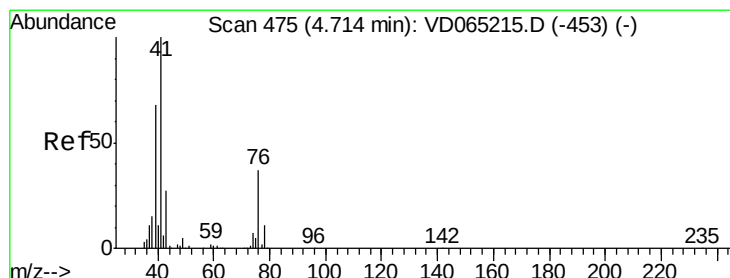
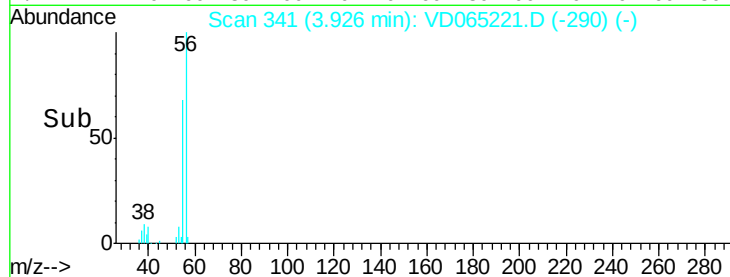
10000

5000

0

Time--> 3.80 3.90 4.00

3.93



#14

Allyl chloride

Concen: 21.028 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

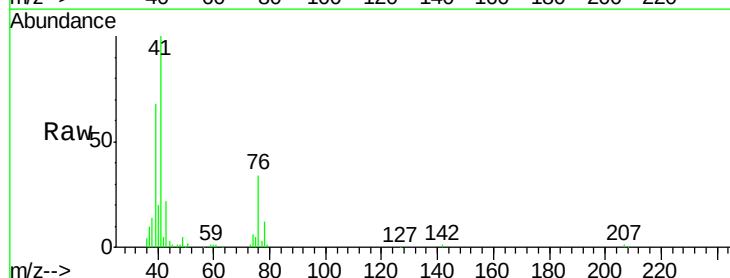
Tgt Ion: 41 Resp: 147358

Ion Ratio Lower Upper

41 100

39 66.7 53.8 80.6

76 35.4 28.7 43.1



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

60000

50000

40000

30000

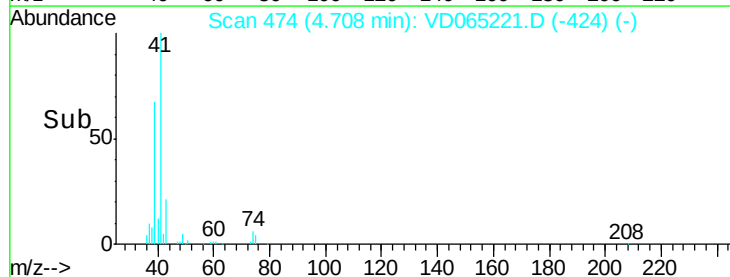
20000

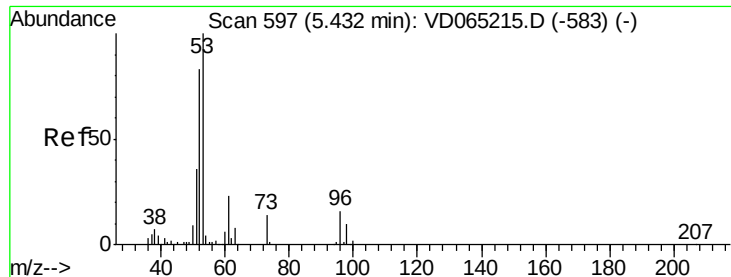
10000

0

Time--> 4.50 4.60 4.70 4.80 4.90

4.71





#15

Acrylonitrile

Concen: 104.360 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

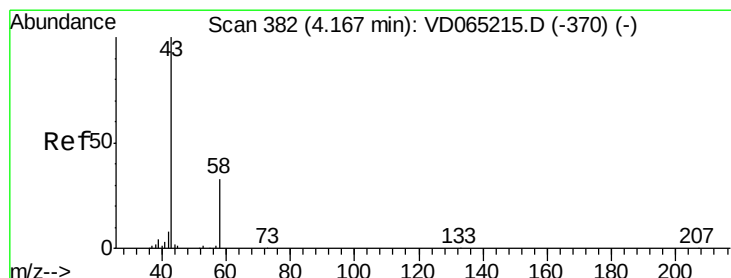
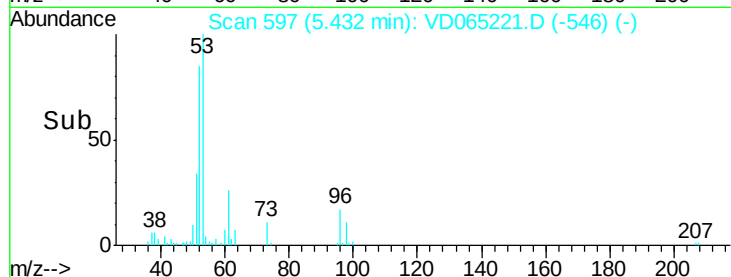
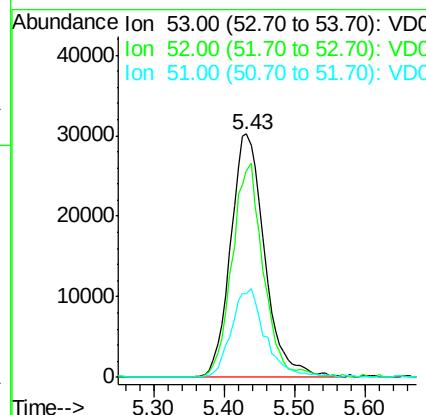
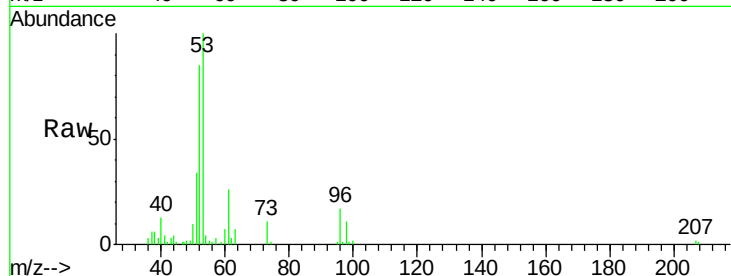
ClientSampleId :

VD0218SBS01

Tot Ion:	53	Resp:	100887
Ion Ratio		Lower	Upper
53	100		
52	81.1	65.4	98.2
51	36.2	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#16

Acetone

Concen: 91.613 ug/l

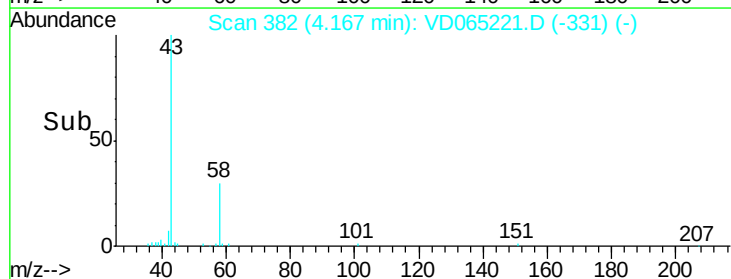
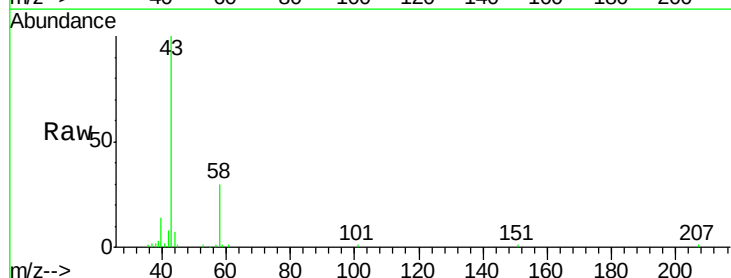
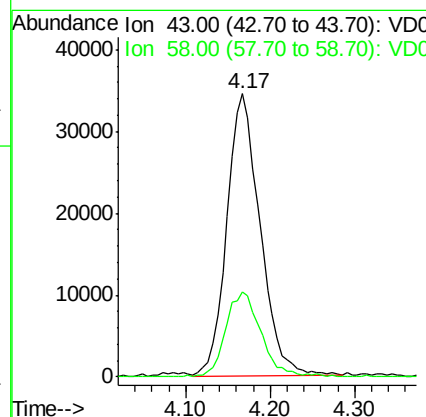
RT: 4.17 min Scan# 382

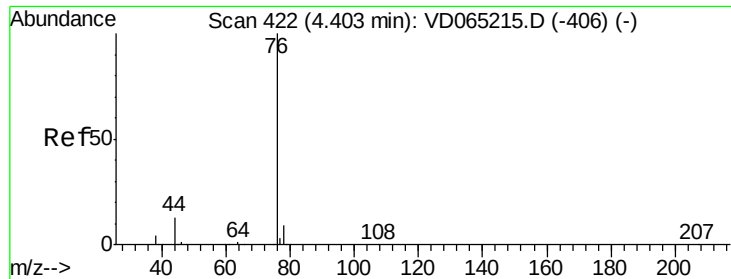
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	43	Resp:	93768
Ion Ratio		Lower	Upper
43	100		
58	30.4	26.2	39.2





#17

Carbon Disulfide

Concen: 20.726 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBSD01

Tot Ion: 76 Resp: 299848

Ion Ratio Lower Upper

76 100

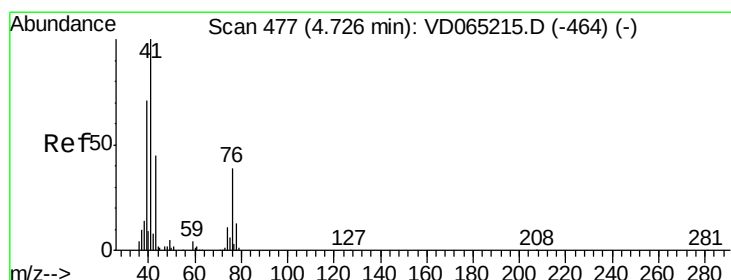
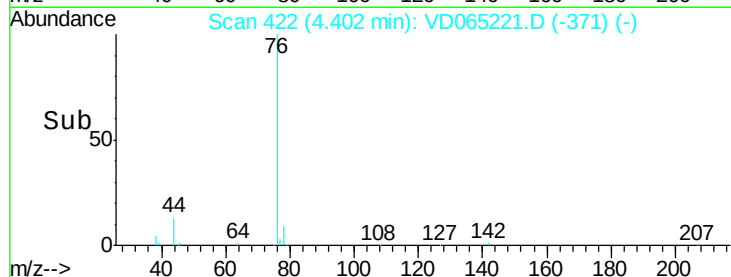
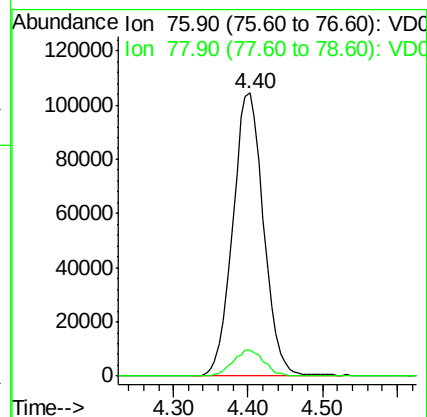
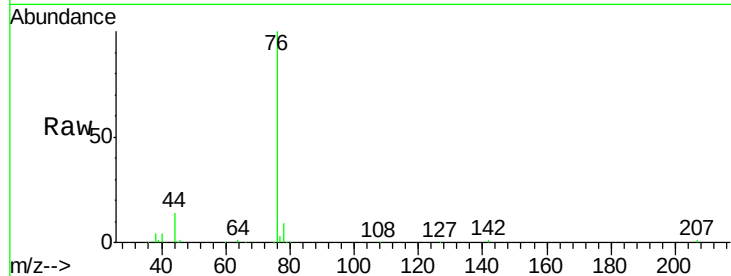
78 9.2 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

2/19/2020 1:43:51 PM



#18

Methyl Acetate

Concen: 21.445 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065221.D

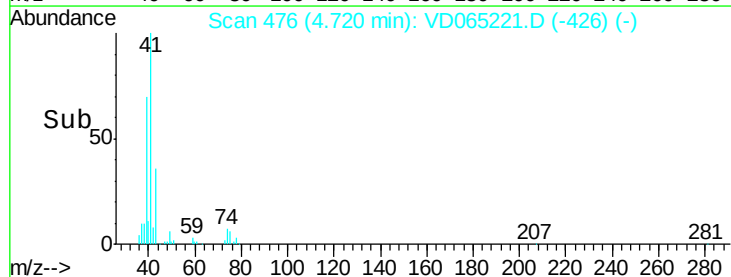
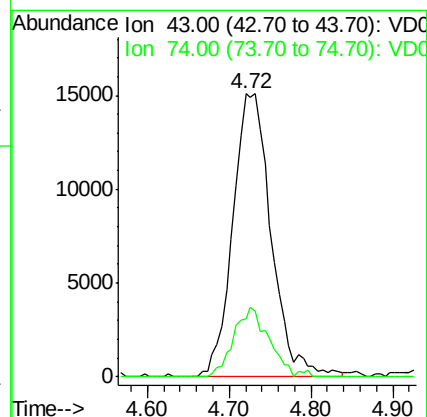
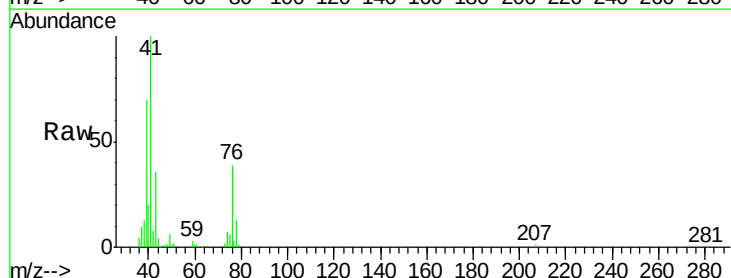
Acq: 18 Feb 2020 16:18

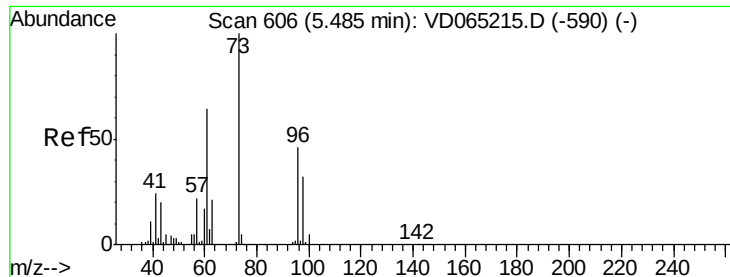
Tgt Ion: 43 Resp: 49365

Ion Ratio Lower Upper

43 100

74 22.2 19.4 29.2





#19

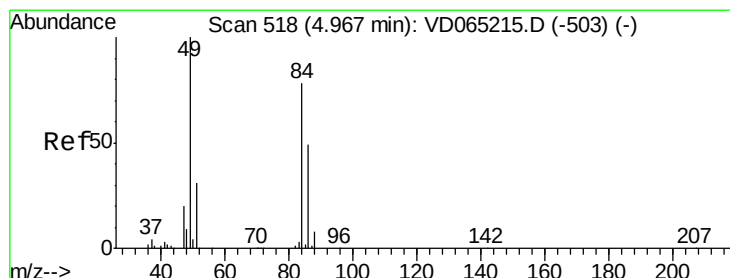
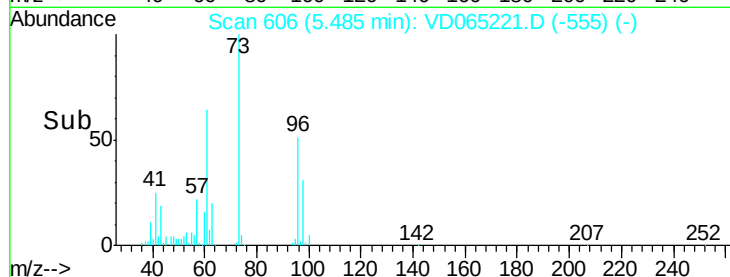
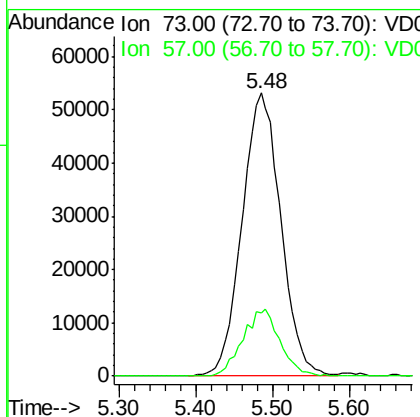
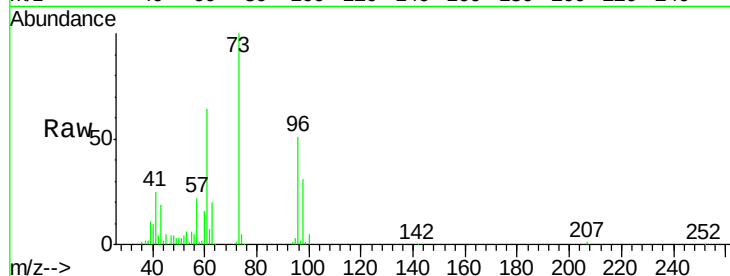
Methyl tert-butyl Ether
 Concen: 20.784 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.3	25.9

Manual Integrations
 APPROVED

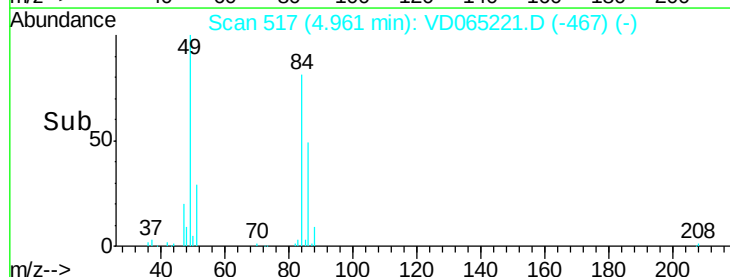
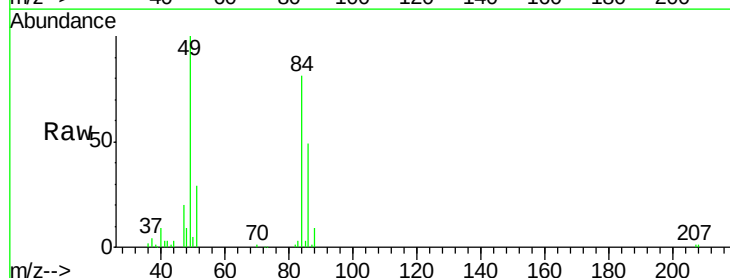
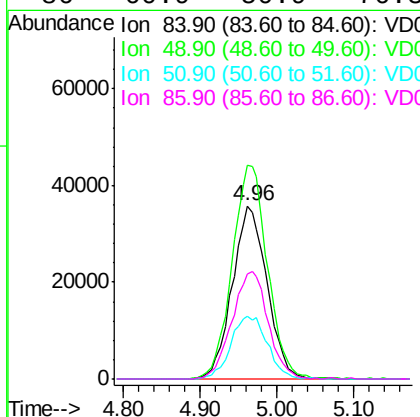
MMDadoda
 2/19/2020 1:43:51 PM

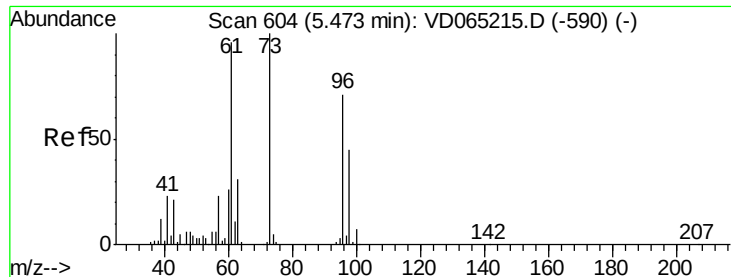


#20

Methylene Chloride
 Concen: 22.222 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.3	103.1	154.7
51	36.2	31.7	47.5
86	60.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 21.627 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

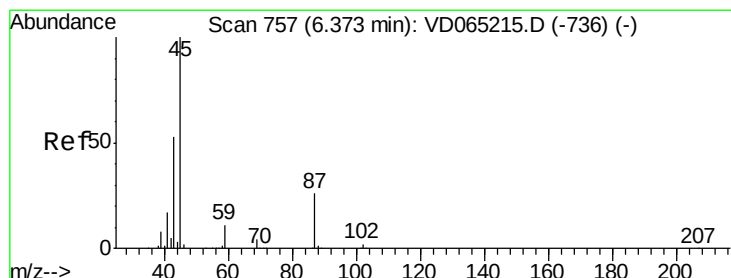
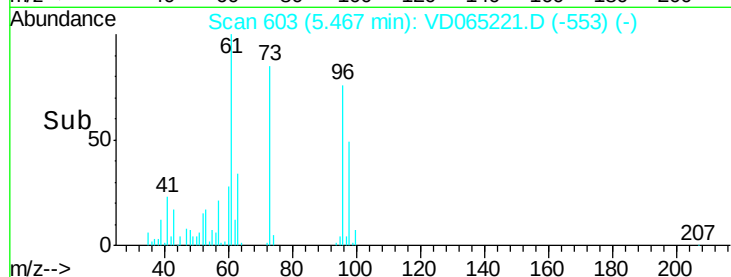
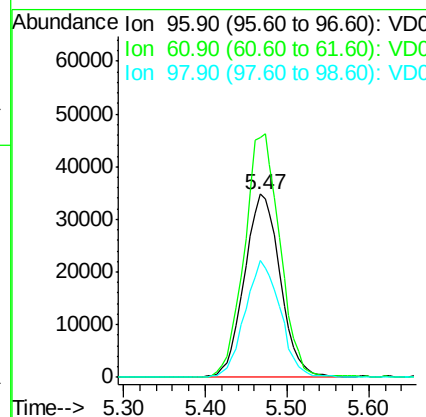
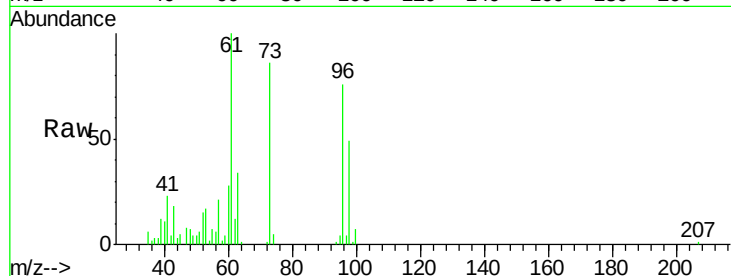
ClientSampleId :

VD0218SBS01

Tot Ion:	96	Resp:	106093
Ion	Ratio	Lower	Upper
96	100		
61	131.1	108.3	162.5
98	63.7	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#22

Diisopropyl ether

Concen: 21.280 ug/l

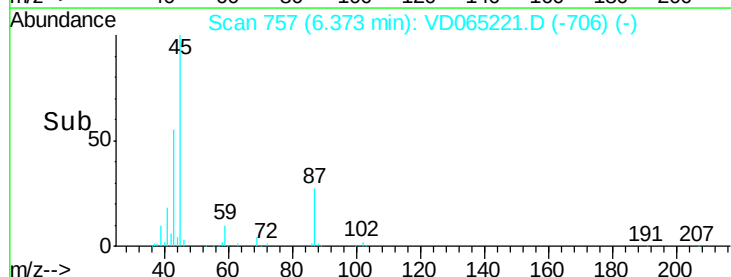
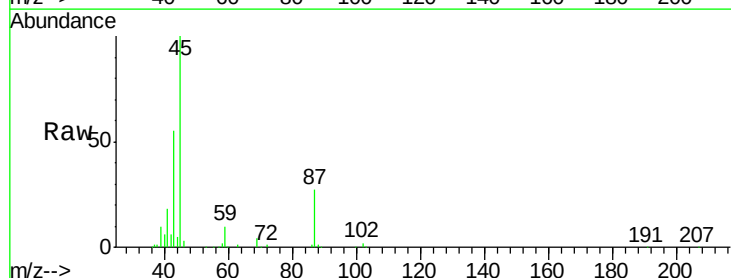
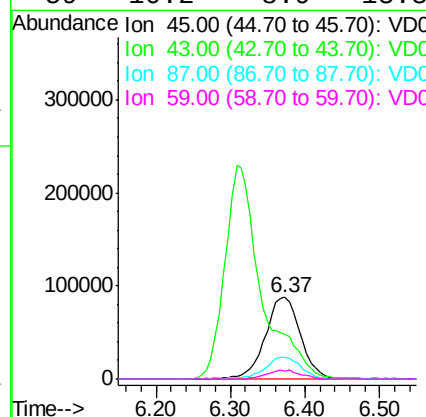
RT: 6.37 min Scan# 757

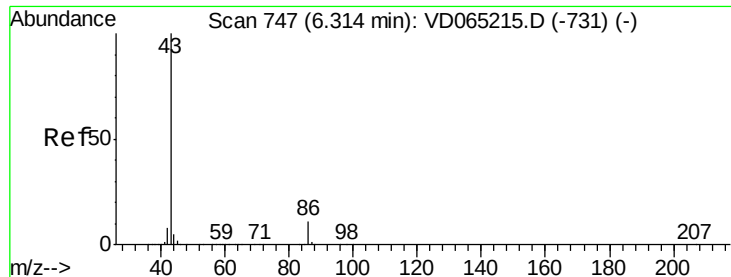
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	45	Resp:	287470
Ion	Ratio	Lower	Upper
45	100		
43	54.7	42.6	64.0
87	26.5	21.2	31.8
59	10.2	8.9	13.3





#23

Vinyl Acetate

Concen: 105.155 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 43 Resp: 783134

Ion Ratio Lower Upper

43 100

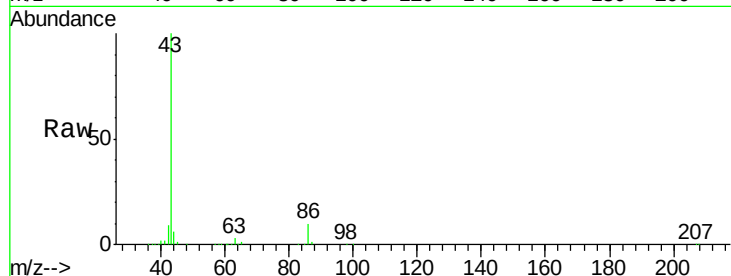
86 10.0 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

2/19/2020 1:43:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

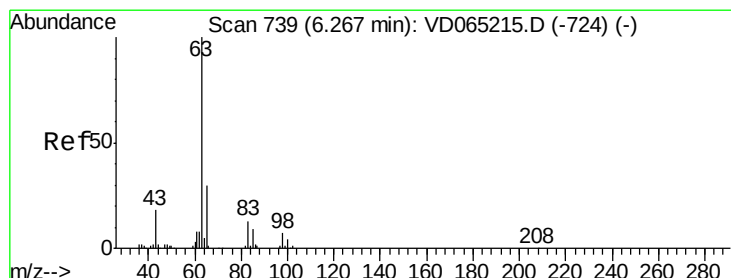
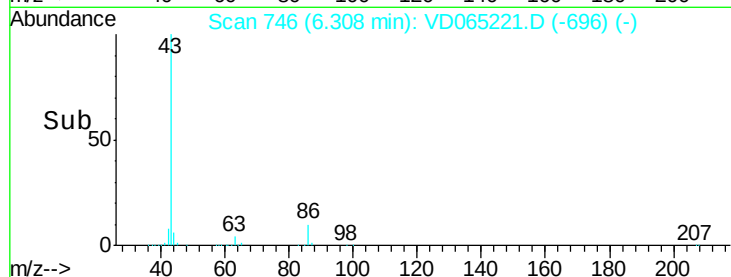
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.826 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

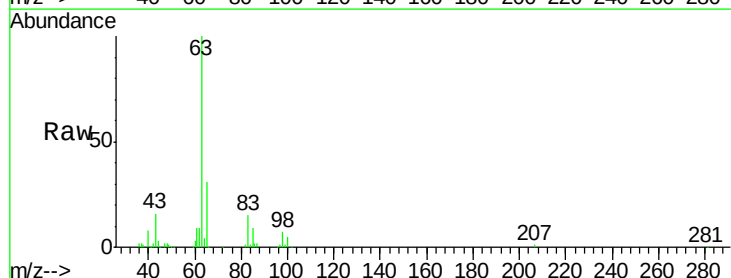
Tgt Ion: 63 Resp: 174504

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 5.4 2.3 6.8



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

6.27

80000

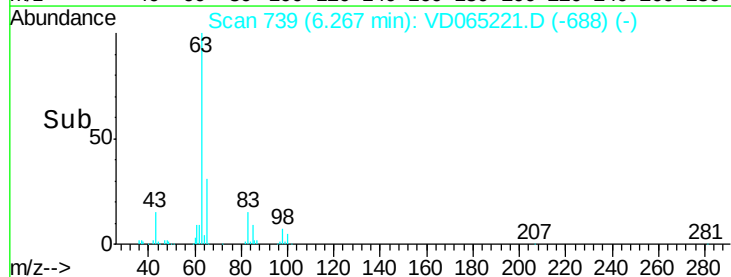
60000

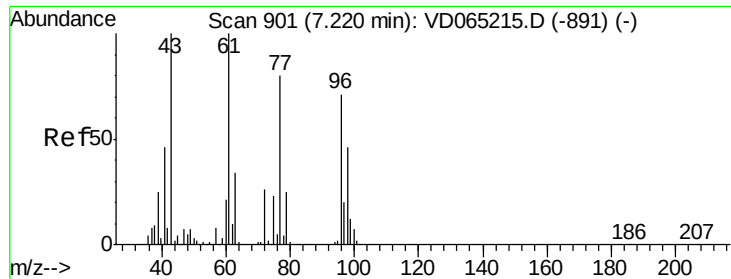
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.737 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 43 Resp: 122683

Ion Ratio Lower Upper

43 100

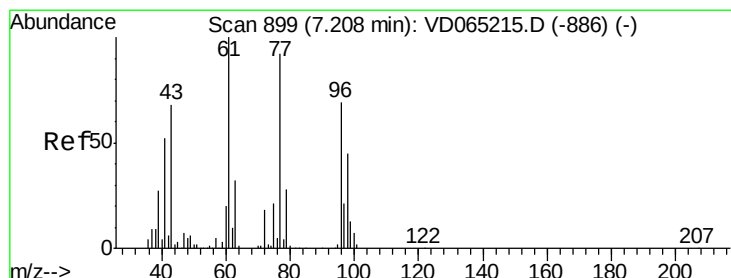
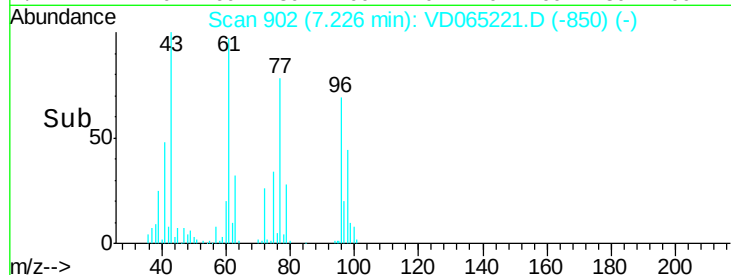
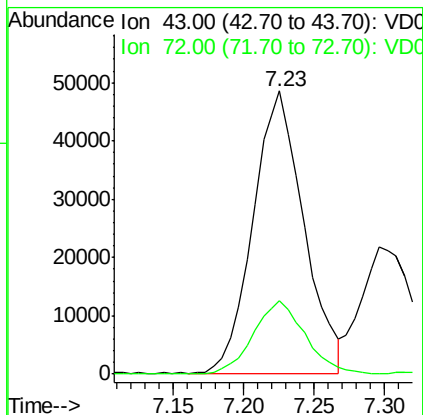
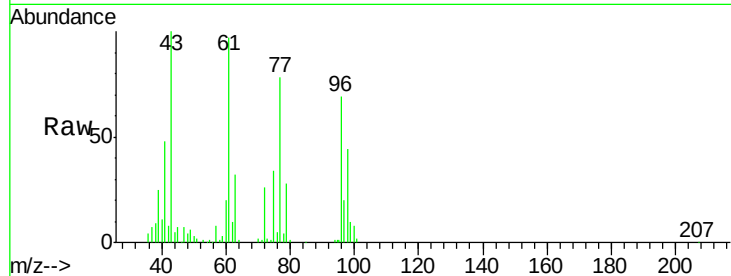
72 25.8 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/19/2020 1:43:51 PM



#26

2,2-Dichloropropane

Concen: 20.779 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065221.D

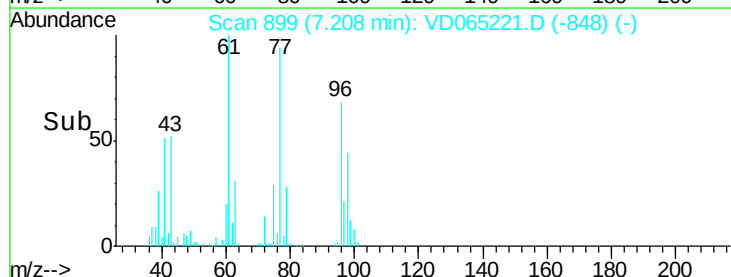
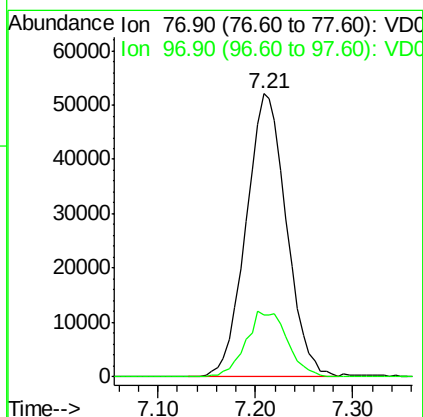
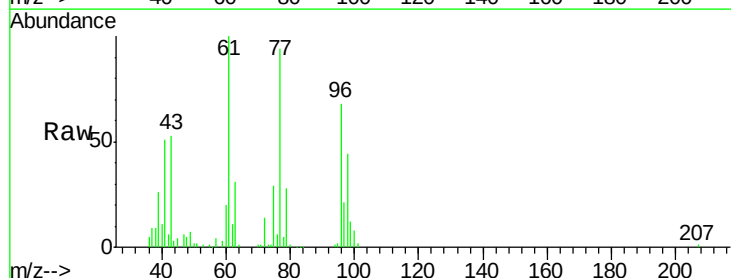
Acq: 18 Feb 2020 16:18

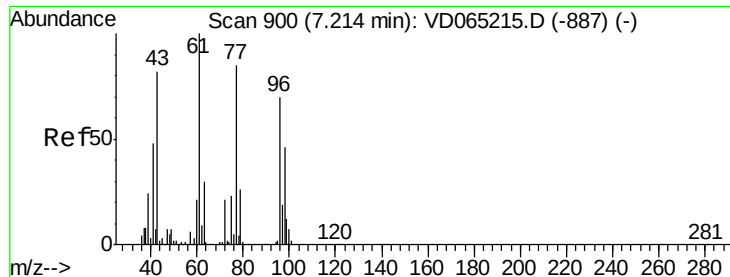
Tgt Ion: 77 Resp: 151065

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

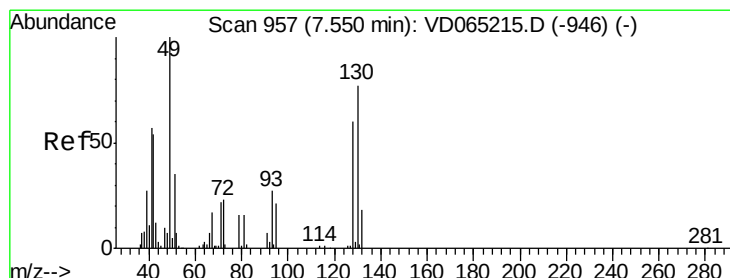
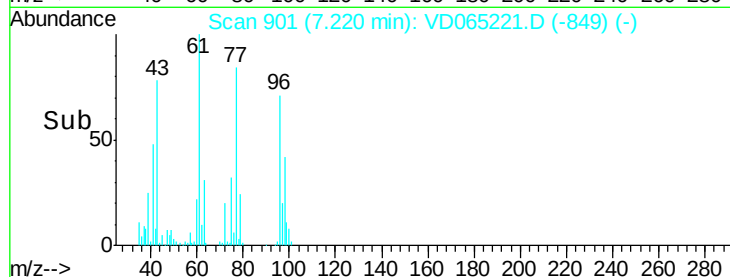
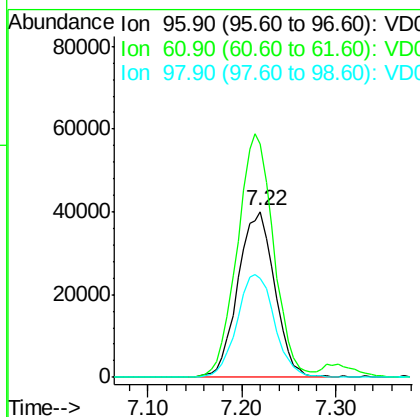
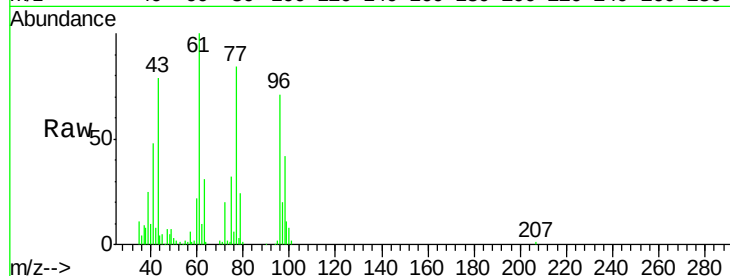
cis-1,2-Dichloroethene
Concen: 20.910 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.6	0.0	286.0	
98	63.2	0.0	127.8	

Manual Integrations
APPROVED

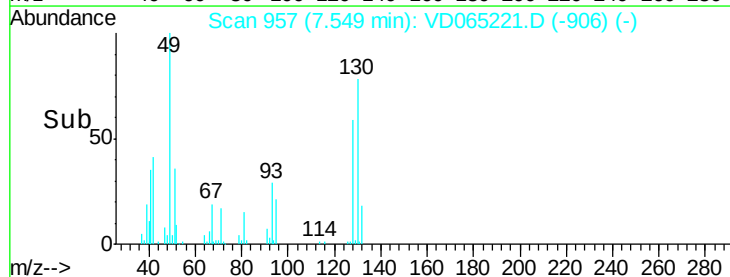
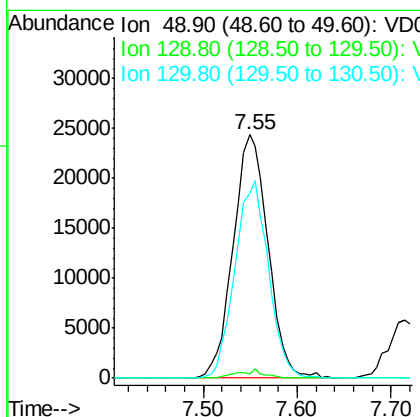
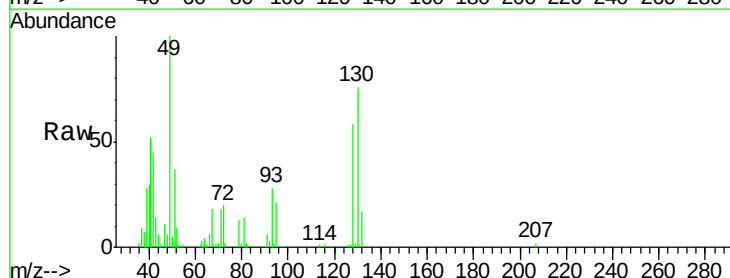
MMDadoda
2/19/2020 1:43:51 PM

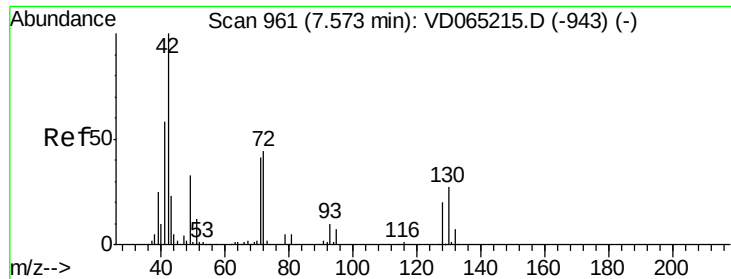


#28

Bromochloromethane
Concen: 20.112 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	78.6	64.7	97.1	





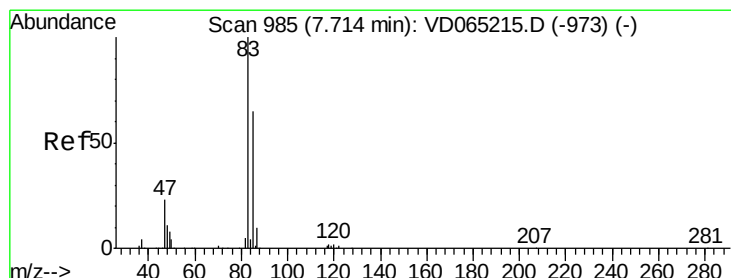
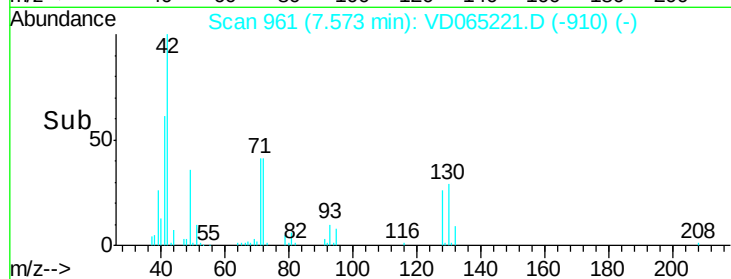
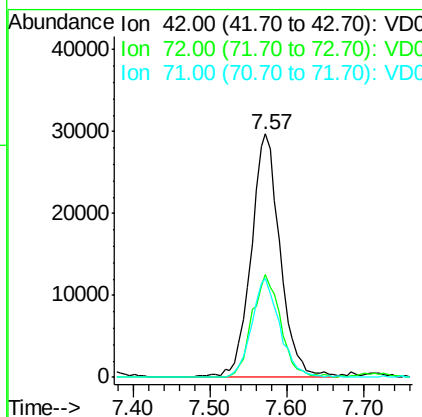
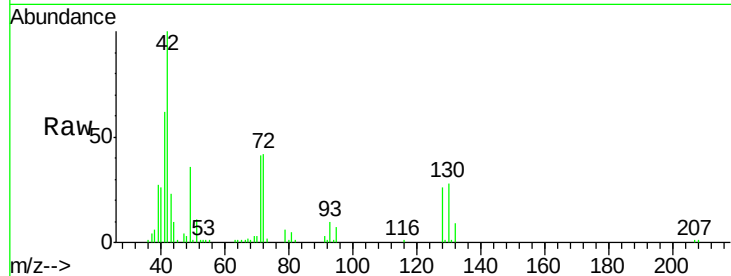
#29
Tetrahydrofuran
Concen: 103.538 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.1	31.4	47.2

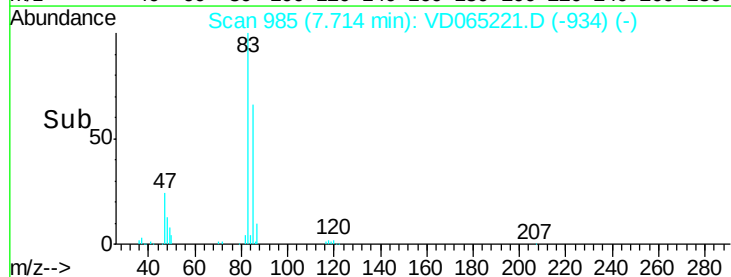
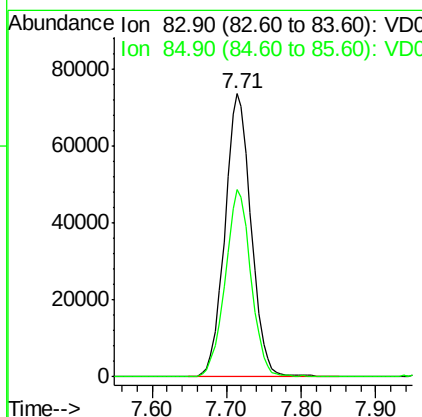
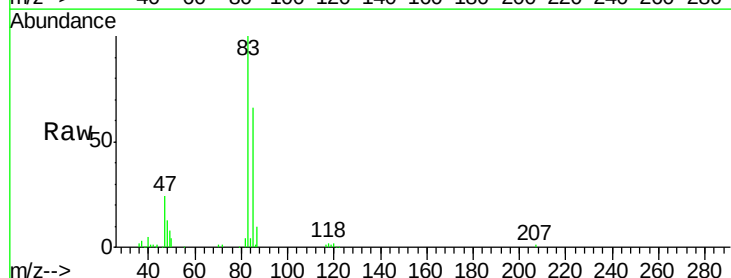
Manual Integrations
APPROVED

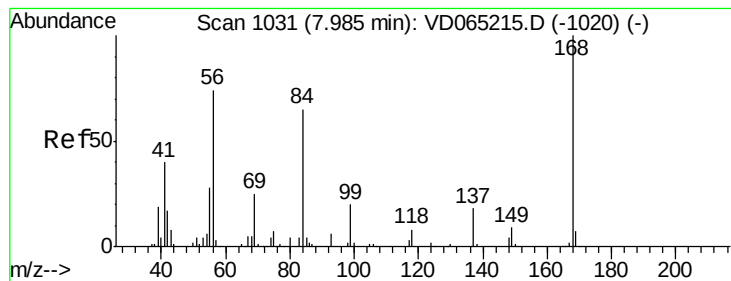
MMDadoda
2/19/2020 1:43:51 PM



#30
Chloroform
Concen: 21.277 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.3	78.5





#31

Cyclohexane

Concen: 20.761 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

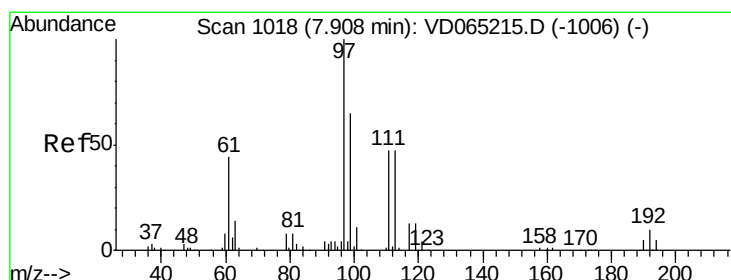
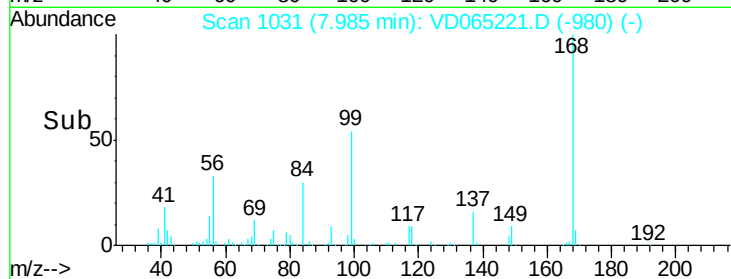
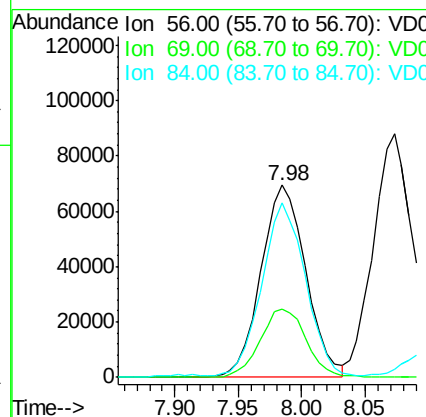
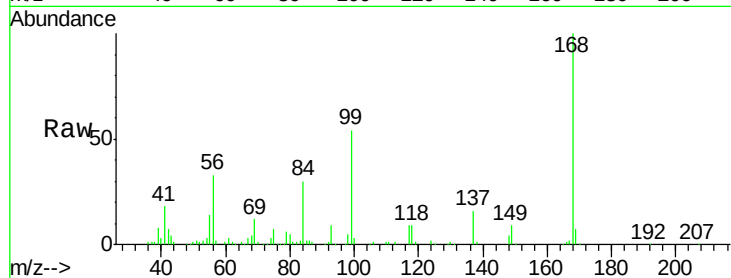
ClientSampleId :

VD0218SBS01

Tot Ion:	56	Resp:	170919
Ion	Ratio	Lower	Upper
56	100		
69	35.7	27.4	41.0
84	89.5	71.1	106.7

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#32

1,1,1-Trichloroethane

Concen: 21.016 ug/l

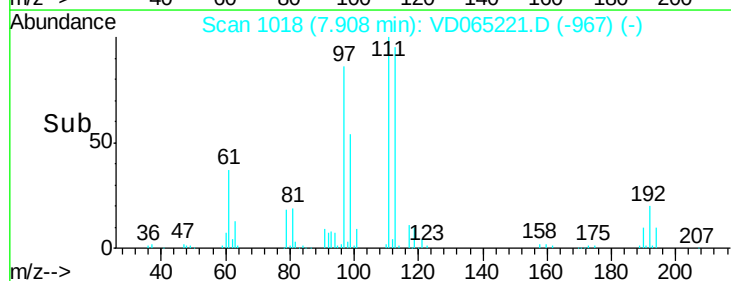
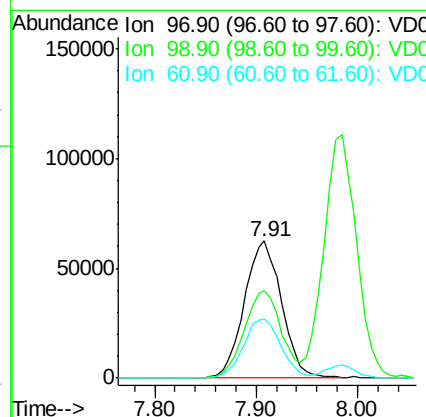
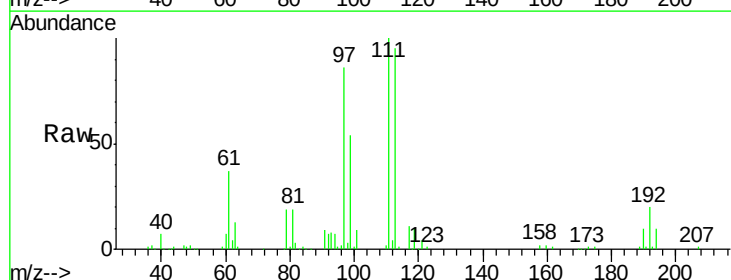
RT: 7.91 min Scan# 1018

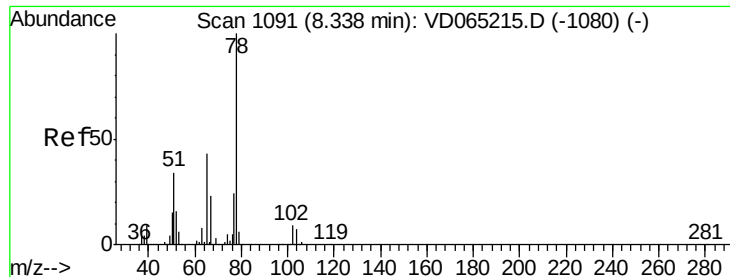
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	97	Resp:	158733
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.2
61	43.6	34.8	52.2





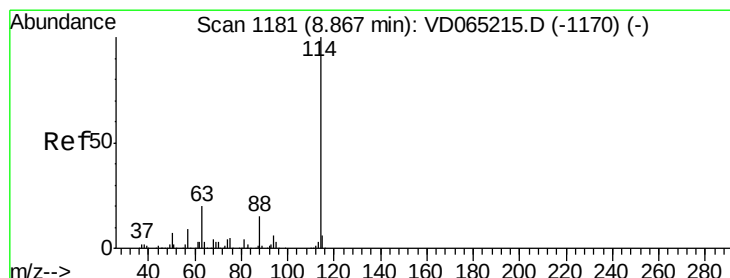
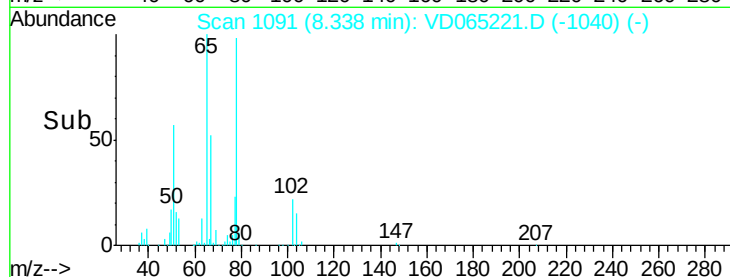
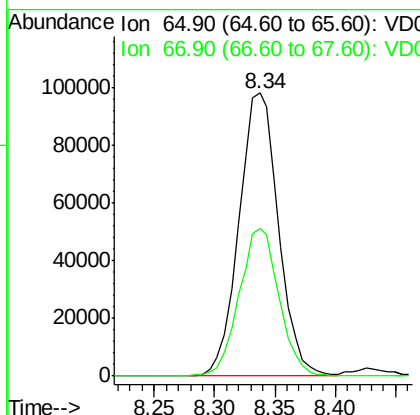
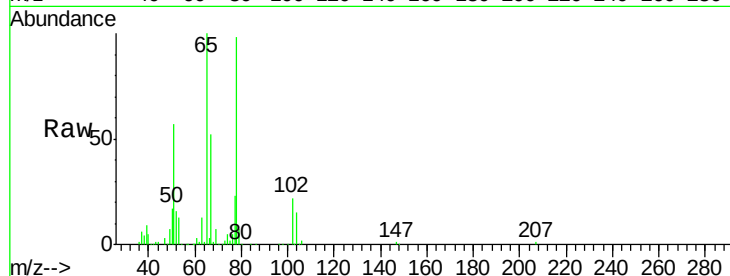
#33
 1,2-Dichloroethane-d4
 Concen: 53.359 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	106.8	

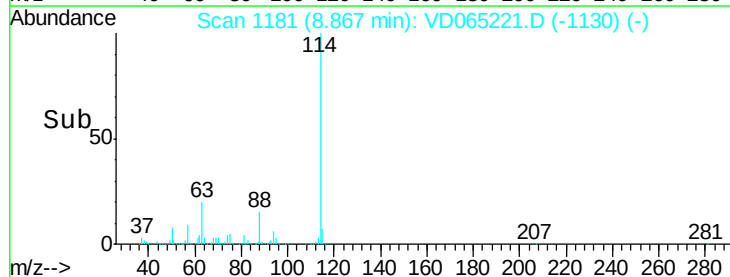
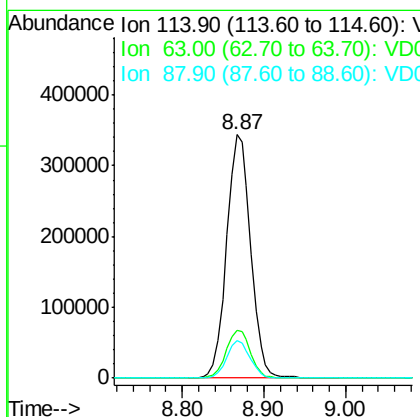
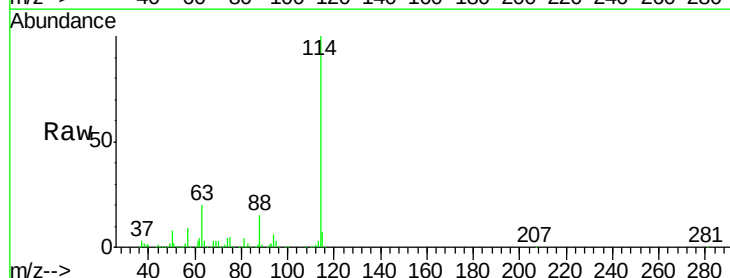
Manual Integrations
 APPROVED

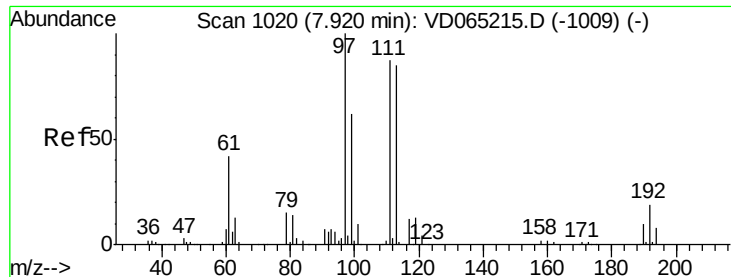
MMDadoda
 2/19/2020 1:43:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	39.4	
88	15.3	0.0	30.4	





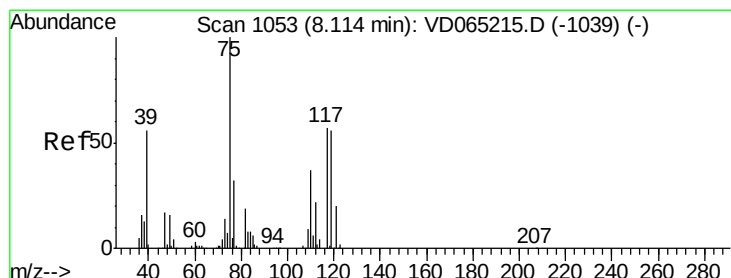
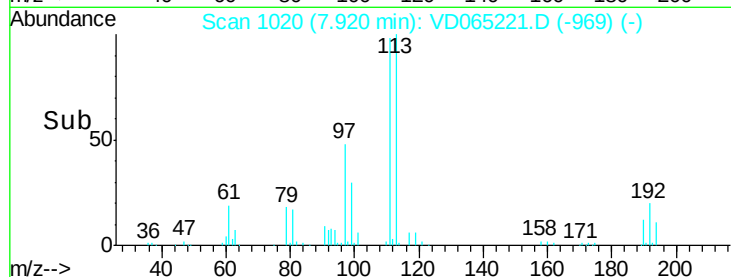
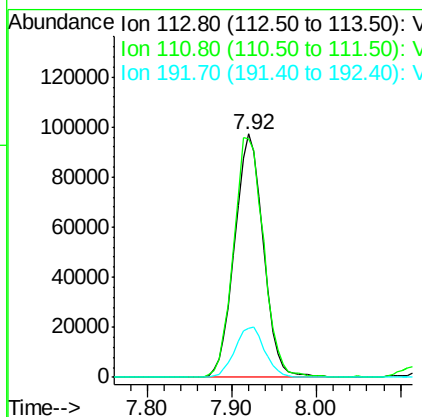
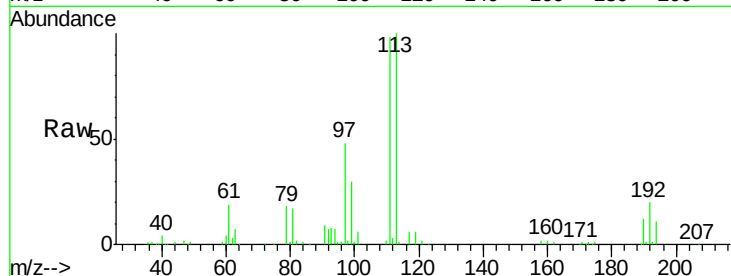
#35
Dibromofluoromethane
Concen: 53.176 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228030		
111	103.1	82.9	124.3	
192	21.5	17.3	25.9	

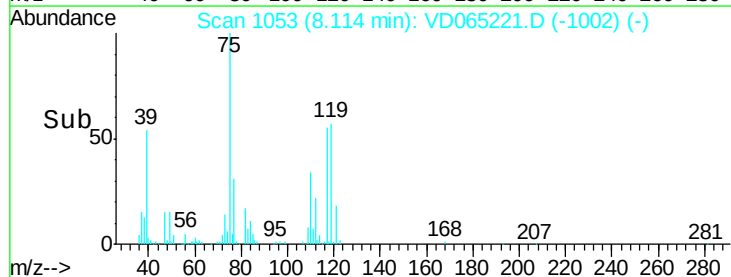
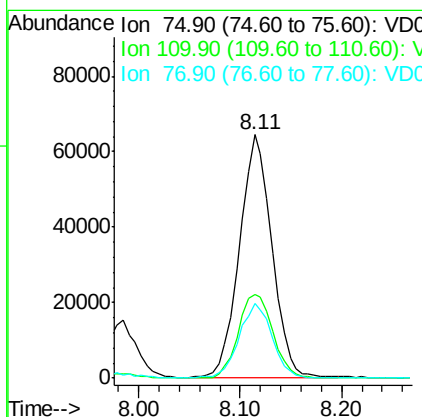
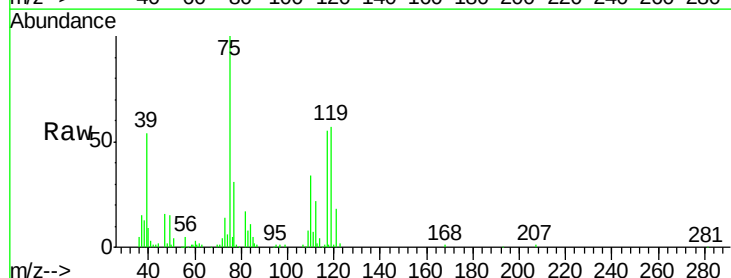
Manual Integrations
APPROVED

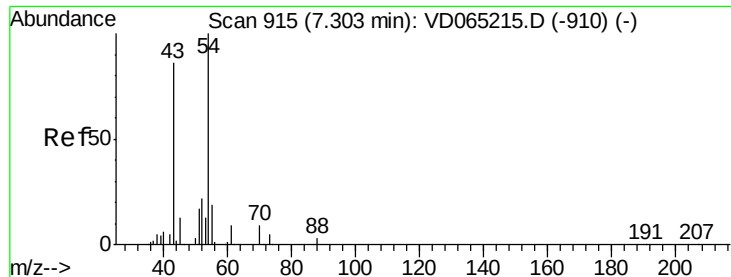
MMDadoda
2/19/2020 1:43:51 PM



#36
1,1-Dichloropropene
Concen: 20.759 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142055		
110	36.8	17.9	53.7	
77	31.6	25.1	37.7	





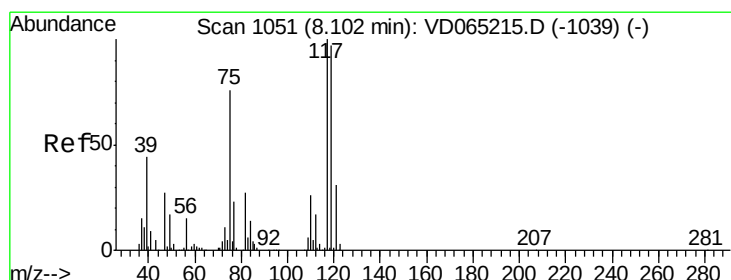
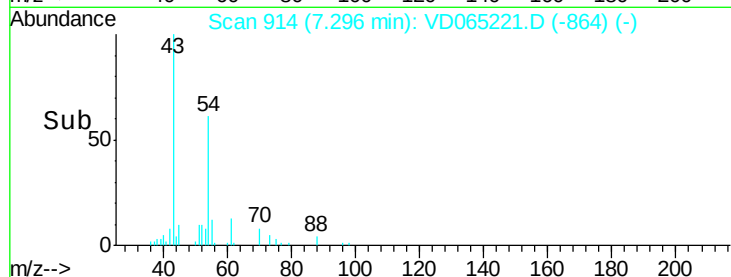
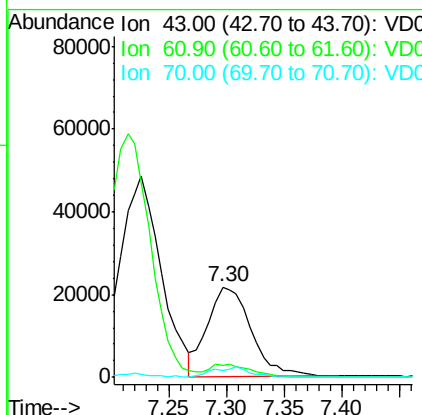
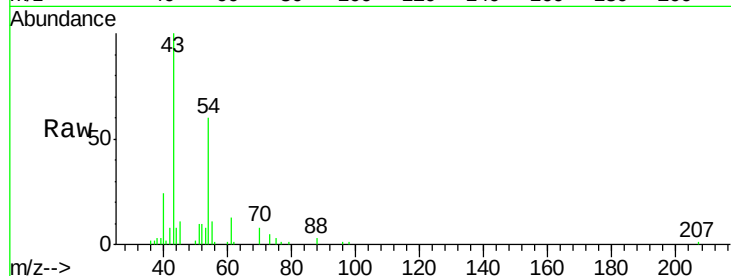
#37
Ethyl Acetate
Concen: 19.804 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.2	8.2	12.2

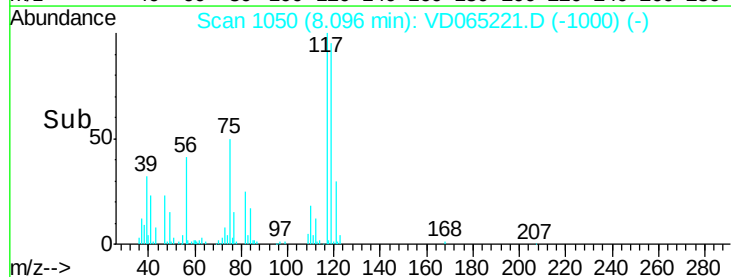
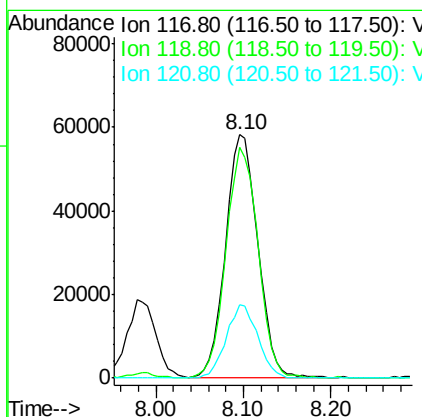
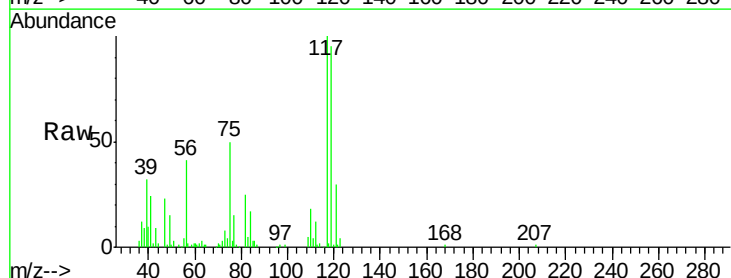
Manual Integrations
APPROVED

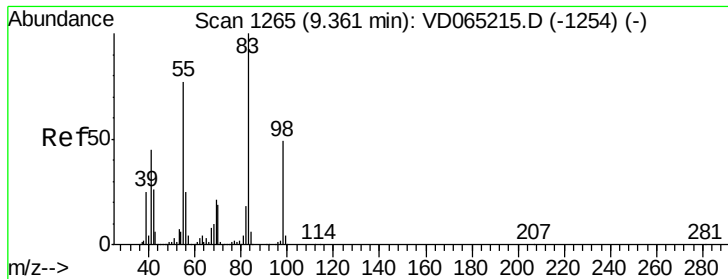
MMDadoda
2/19/2020 1:43:51 PM



#38
Carbon Tetrachloride
Concen: 21.103 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.6	116.4
121	30.4	24.8	37.2





#39

Methylvlcyclohexane

Concen: 20.641 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

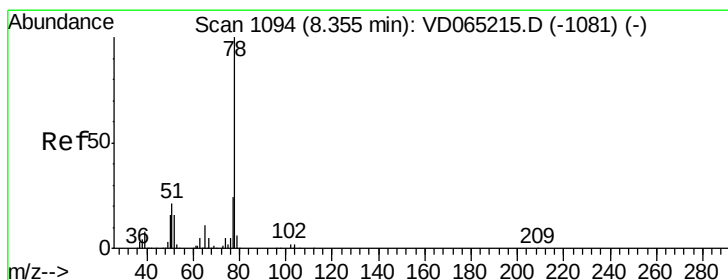
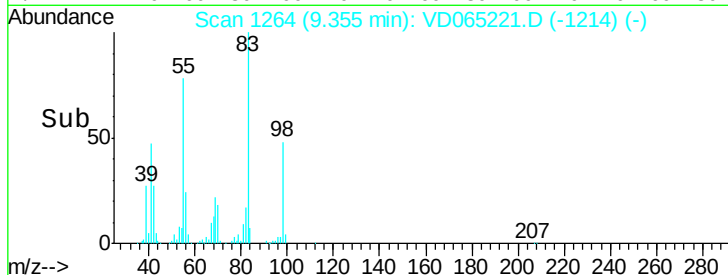
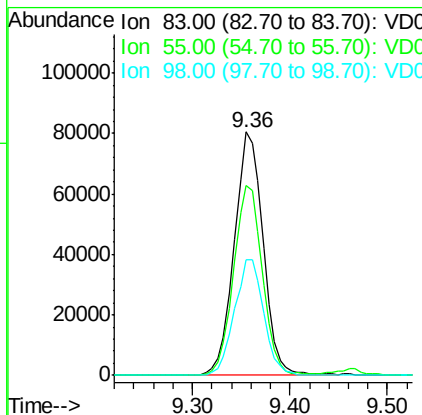
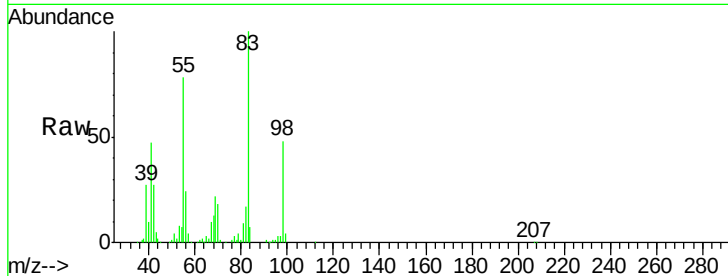
ClientSampleId :

VD0218SBS01

Tot Ion:	83	Resp:	166058
Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.8	92.6
98	47.7	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#40

Benzene

Concen: 20.969 ug/l

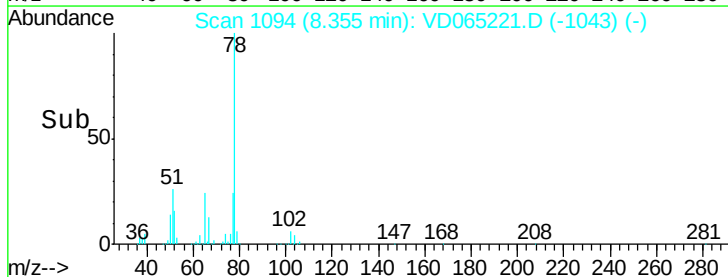
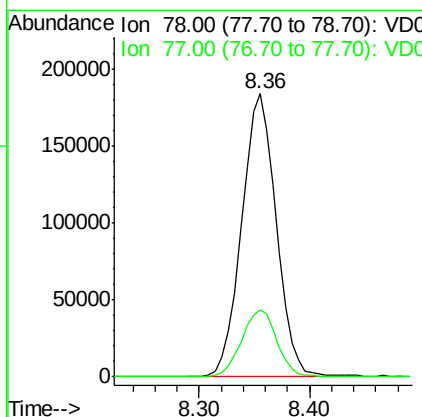
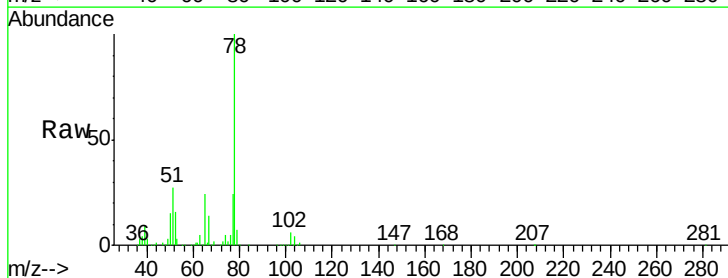
RT: 8.36 min Scan# 1094

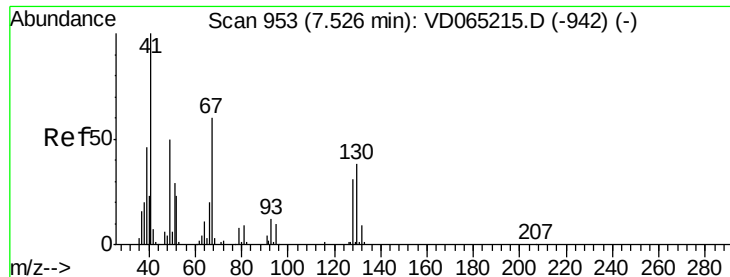
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	78	Resp:	405011
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





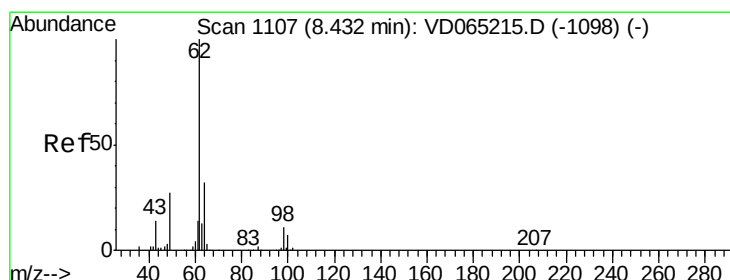
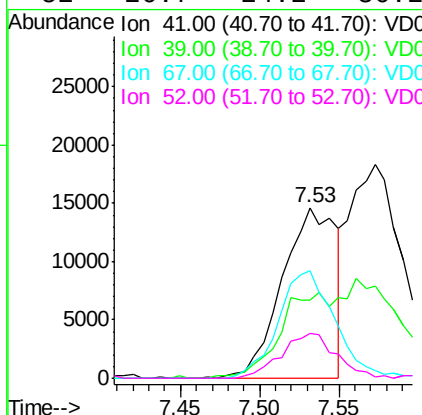
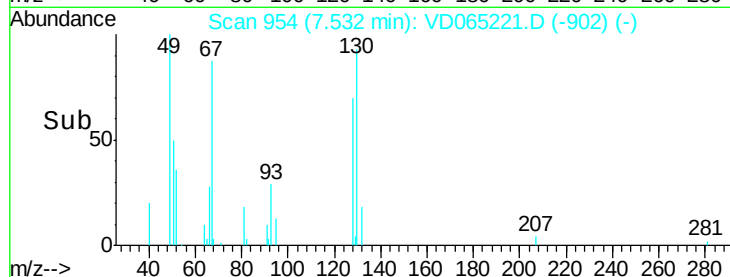
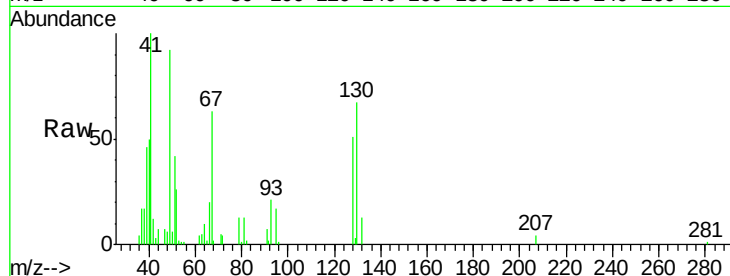
#41
Methacrylonitrile
Concen: 21.020 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.5	48.1	72.1#
67	66.1	58.9	88.3
52	26.7	24.2	36.2

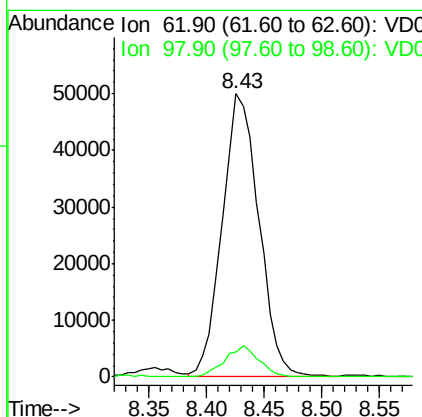
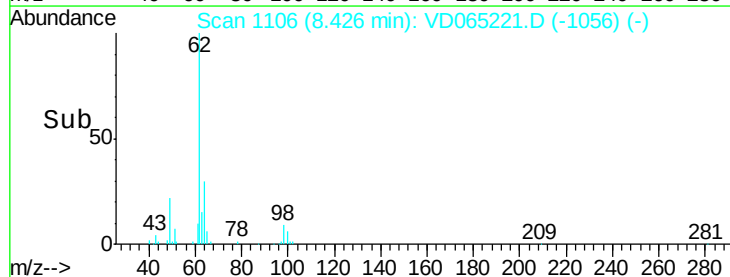
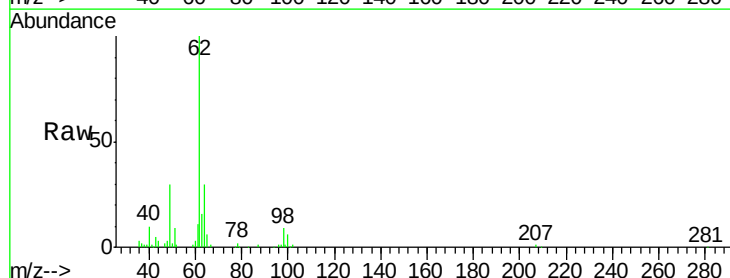
Manual Integrations
APPROVED

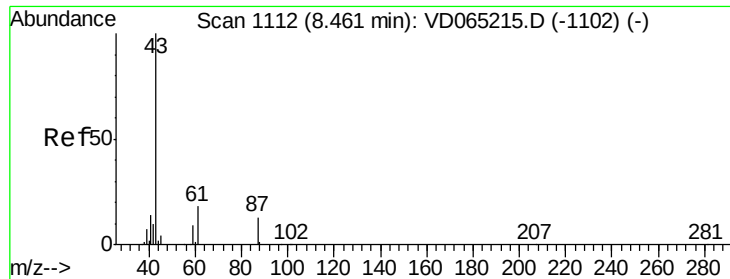
MMDadoda
2/19/2020 1:43:51 PM



#42
1,2-Dichloroethane
Concen: 20.624 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.290 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

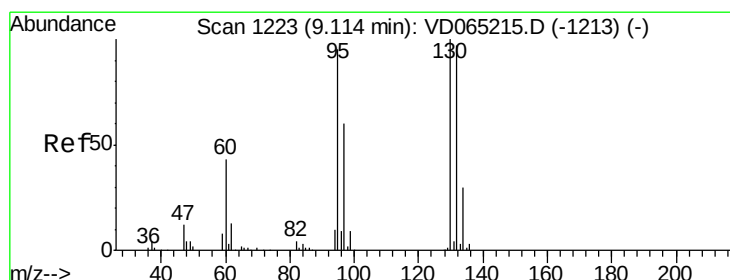
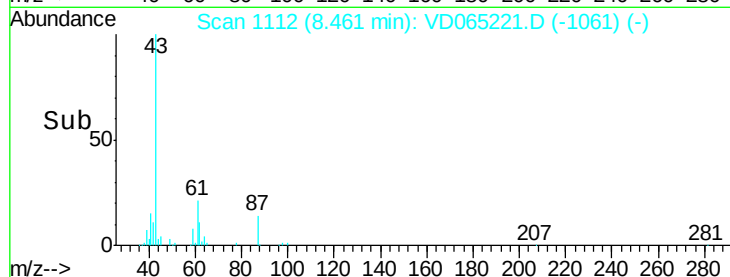
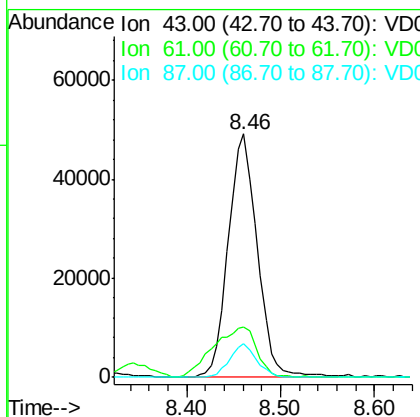
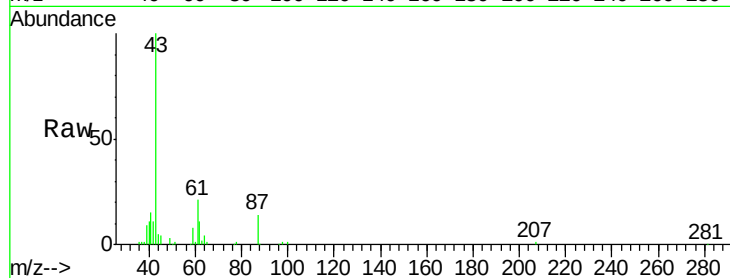
ClientSampleId :

VD0218SBS01

Tot Ion:	43	Resp:	105551
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.6	36.8
87	12.8	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#44

Trichloroethene

Concen: 21.057 ug/l

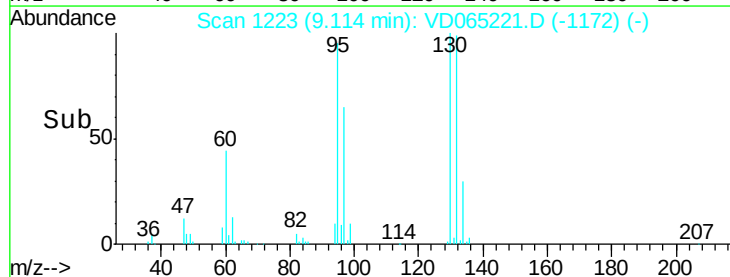
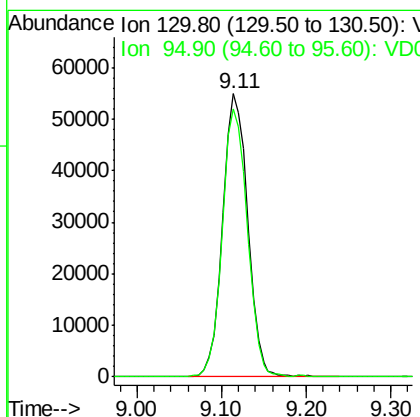
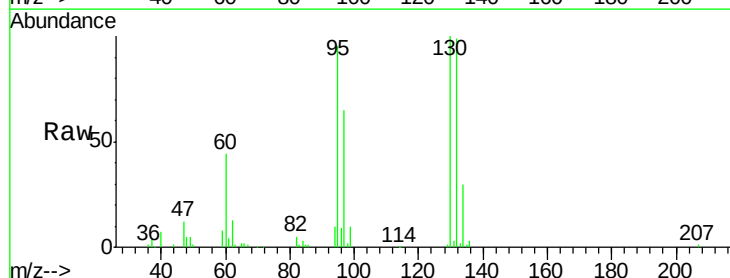
RT: 9.11 min Scan# 1223

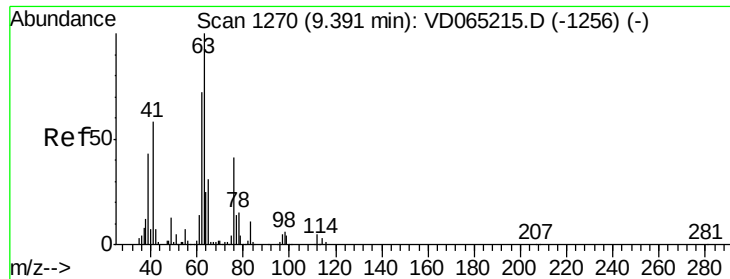
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	130	Resp:	112742
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	190.6





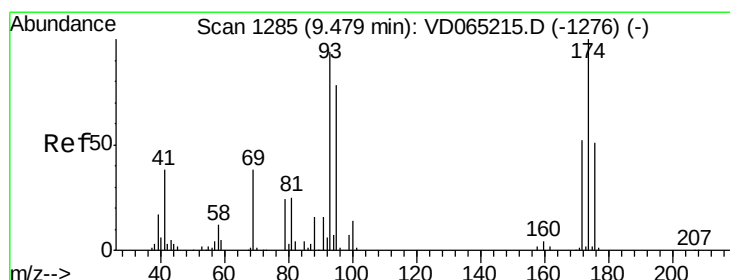
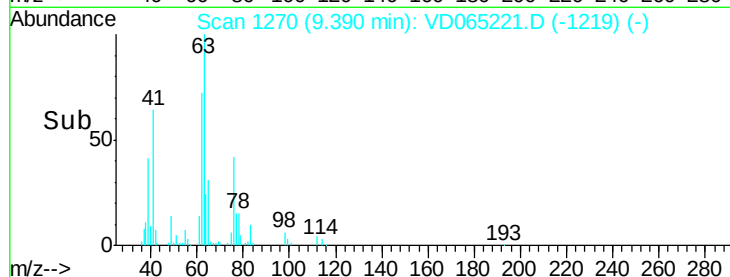
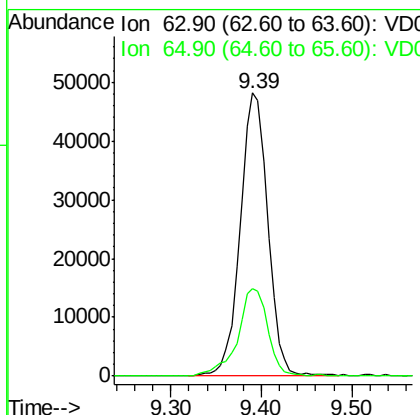
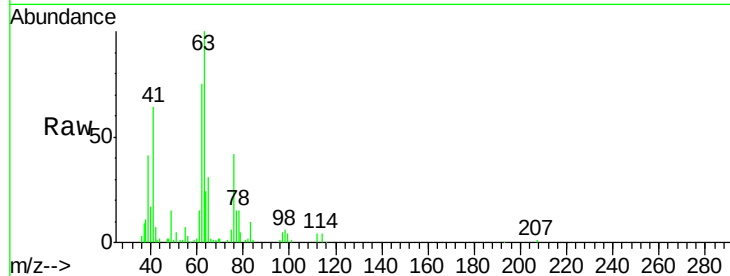
#45
 1,2-Dichloropropane
 Concen: 21.236 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

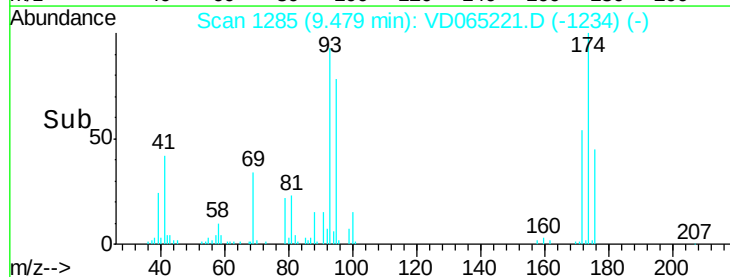
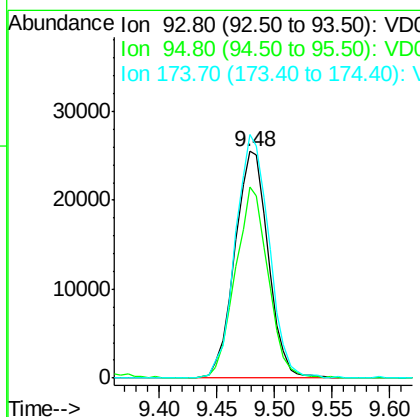
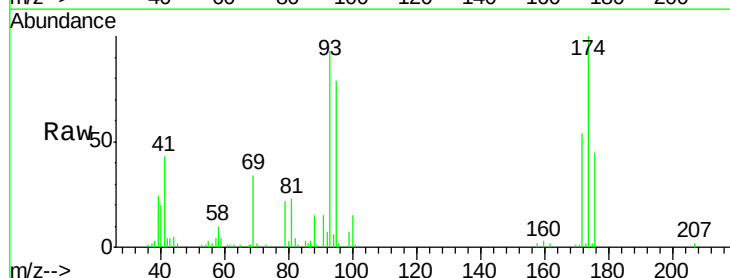
Manual Integrations
 APPROVED

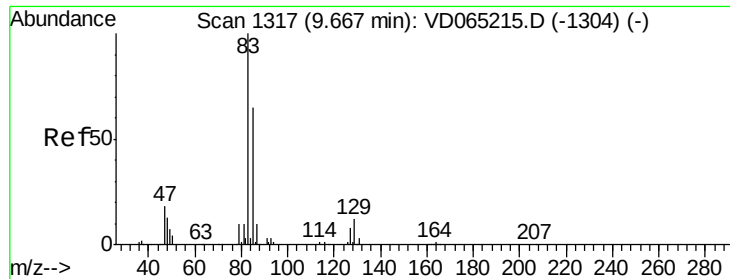
MMDadoda
 2/19/2020 1:43:51 PM



#46
 Dibromomethane
 Concen: 20.704 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.6
174	108.3	86.8	130.2





#47

Bromodichloromethane

Concen: 20.659 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

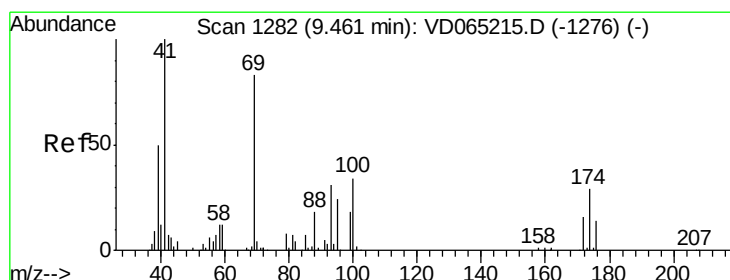
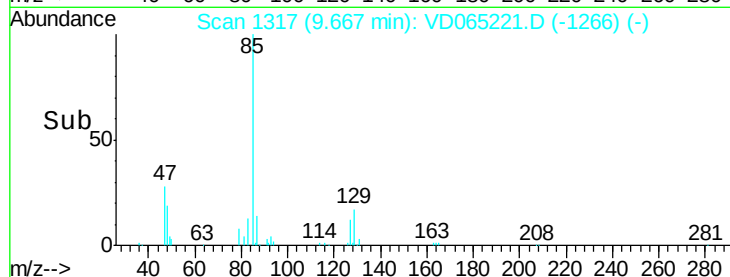
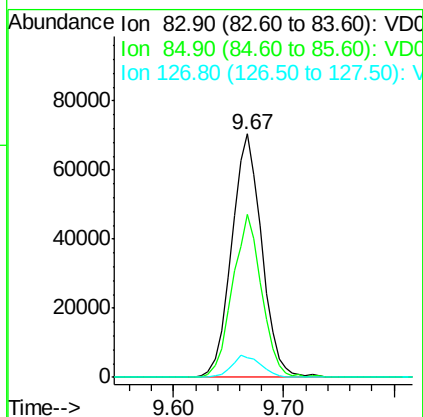
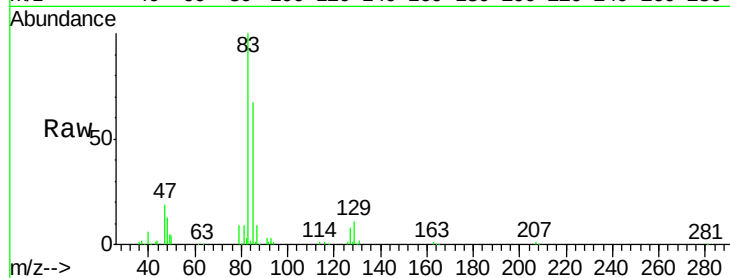
ClientSampleId :

VD0218SBS01

Tot Ion:	83	Resp:	134541
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0
127	8.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#48

Methyl methacrylate

Concen: 20.946 ug/l

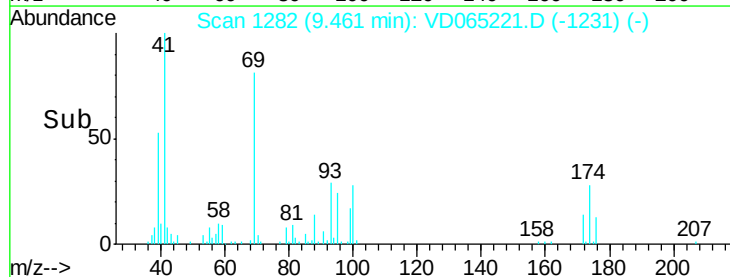
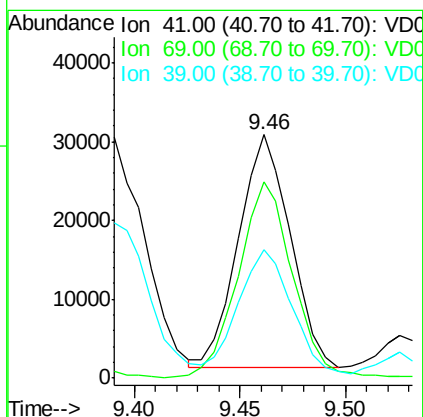
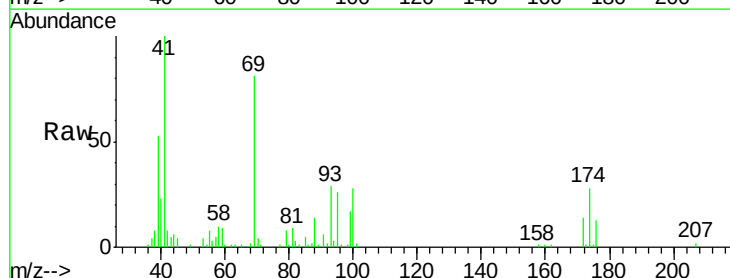
RT: 9.46 min Scan# 1282

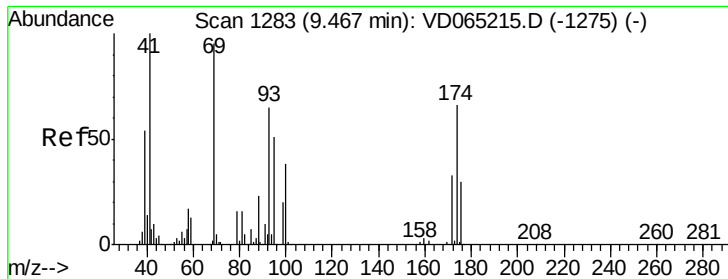
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	41	Resp:	50367
Ion	Ratio	Lower	Upper
41	100		
69	89.6	68.2	102.2
39	53.9	42.0	63.0





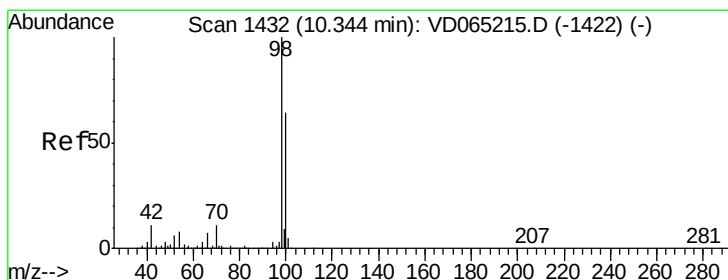
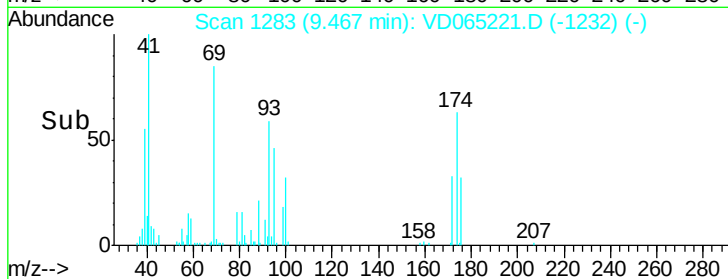
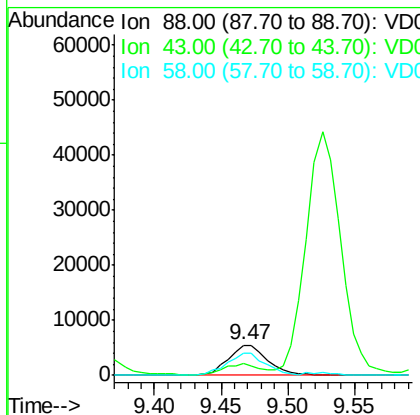
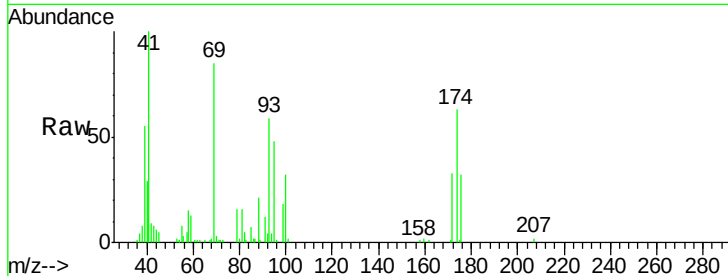
#49
1,4-Dioxane
Concen: 386.399 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBSD01

Tot Ion	88	Resp	11199
Ion	Ratio	Lower	Upper
88	100		
43	38.5	28.5	42.7
58	73.9	58.6	87.8

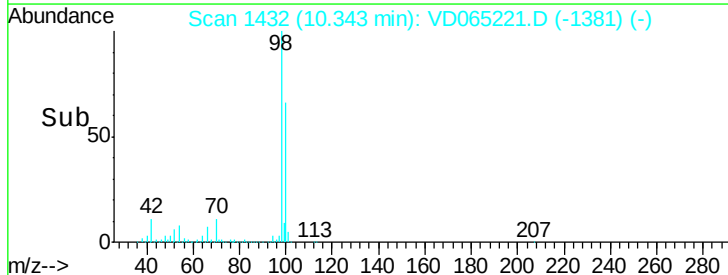
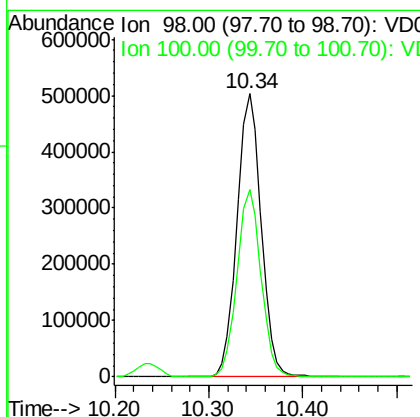
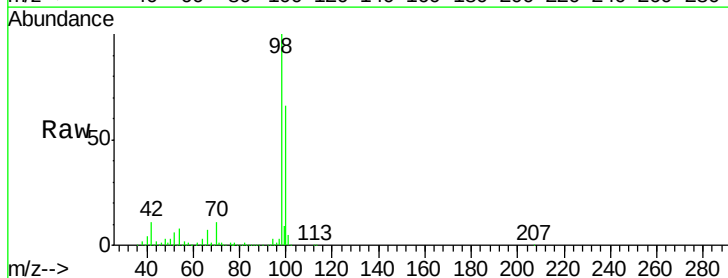
Manual Integrations
APPROVED

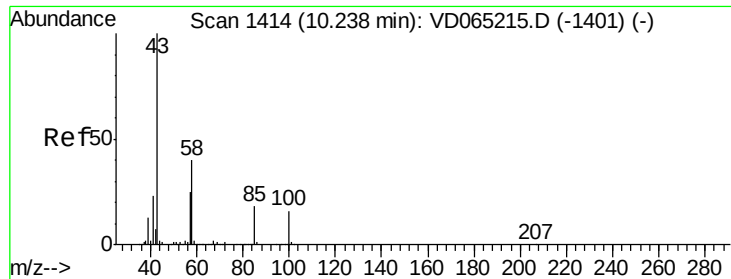
MMDadoda
2/19/2020 1:43:51 PM



#50
Toluene-d8
Concen: 55.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	98	Resp	901810
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 100.348 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 43 Resp: 265139

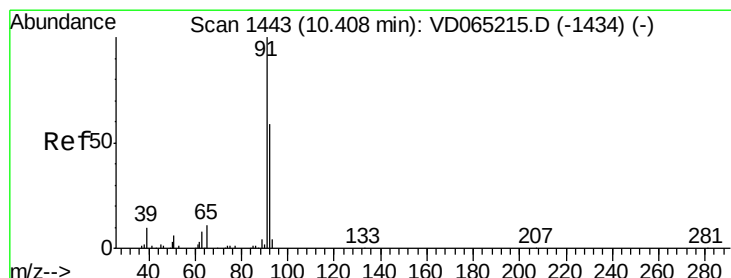
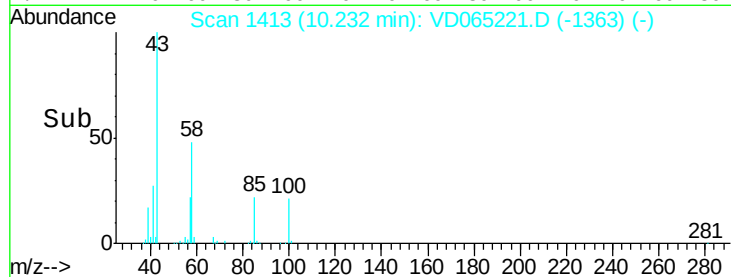
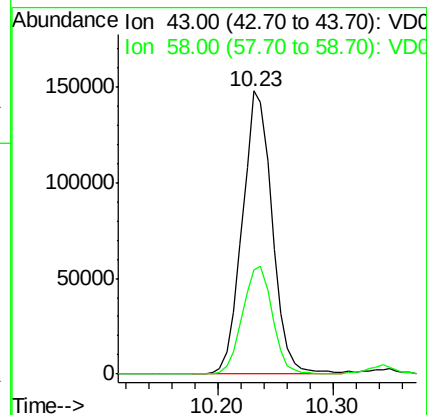
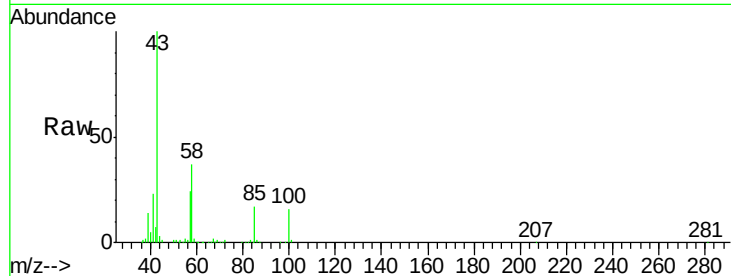
Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#52

Toluene

Concen: 21.426 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065221.D

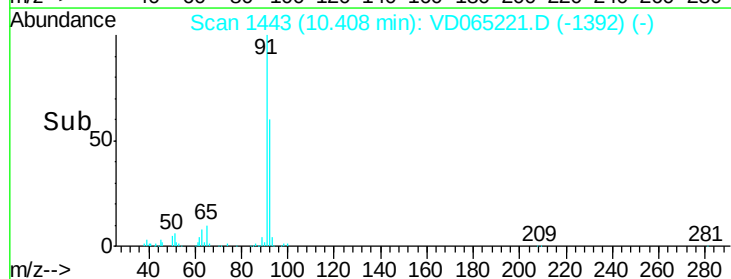
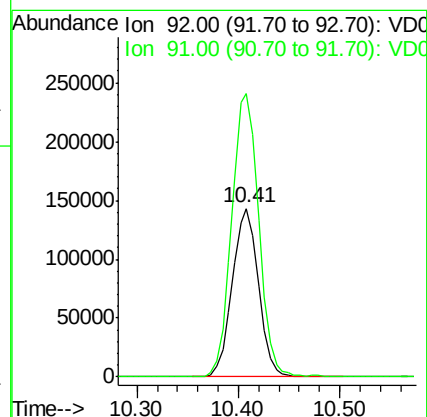
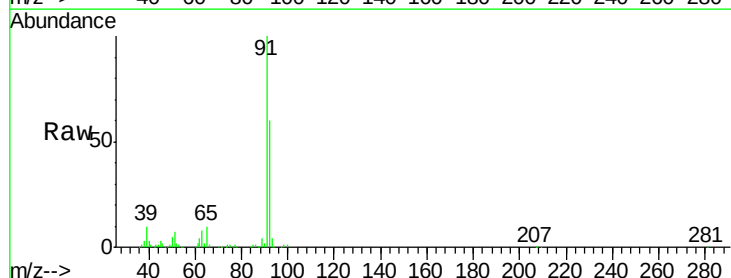
Acq: 18 Feb 2020 16:18

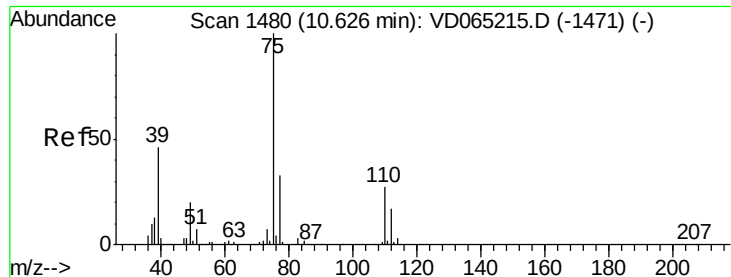
Tgt Ion: 92 Resp: 256159

Ion Ratio Lower Upper

92 100

91 173.0 136.3 204.5





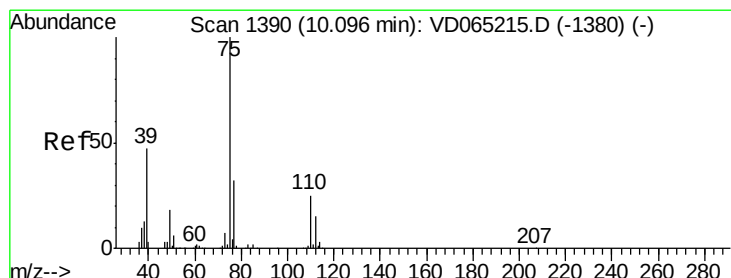
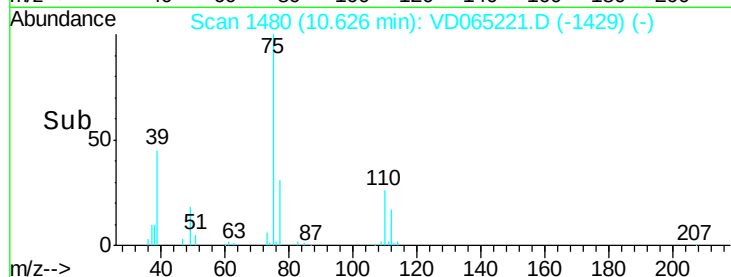
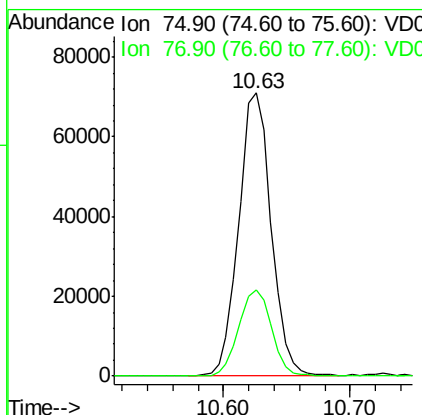
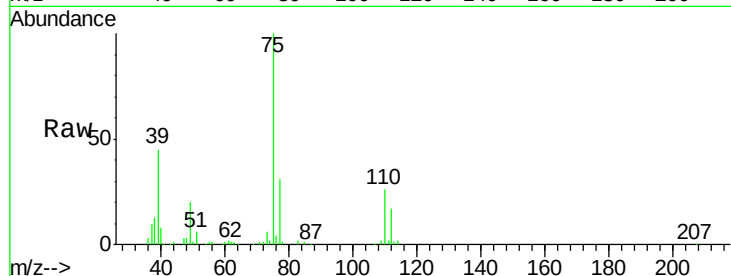
#53
t-1,3-Dichloropropene
Concen: 20.904 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.6	40.0

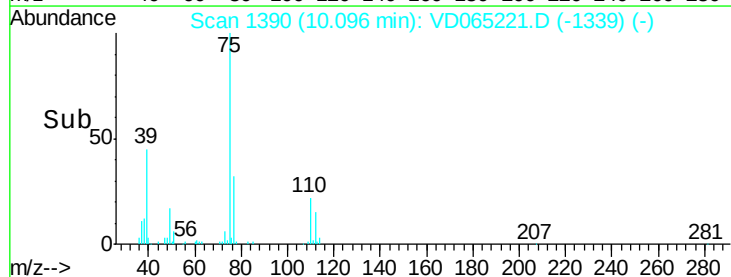
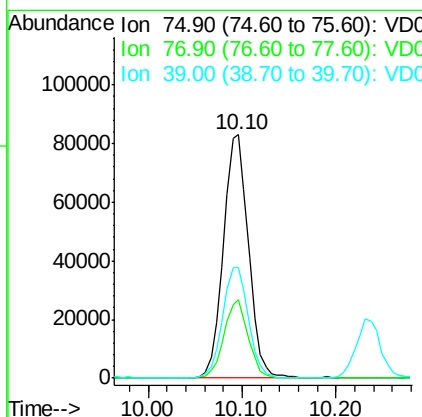
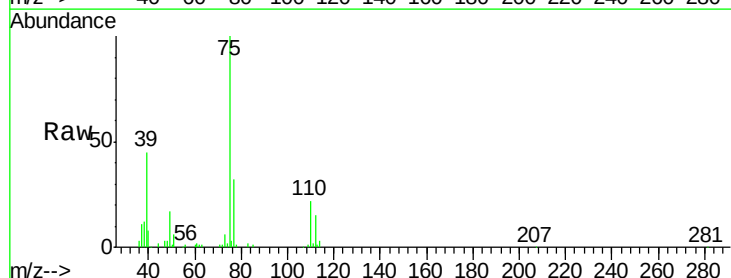
Manual Integrations
APPROVED

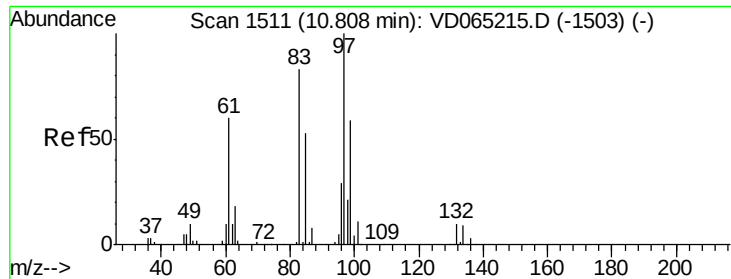
MMDadoda
2/19/2020 1:43:51 PM



#54
cis-1,3-Dichloropropene
Concen: 21.123 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	45.2	37.3	55.9





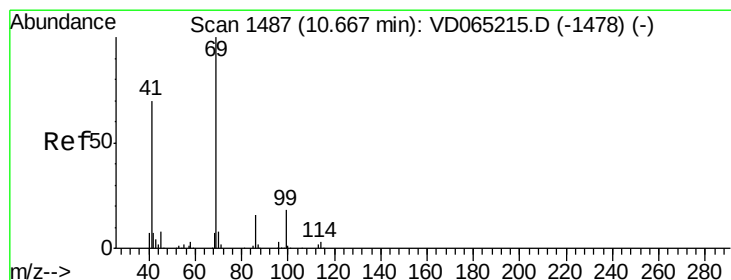
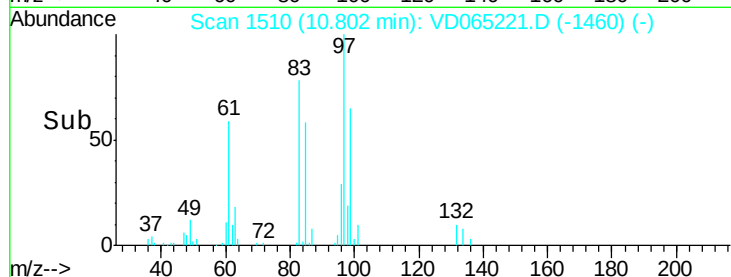
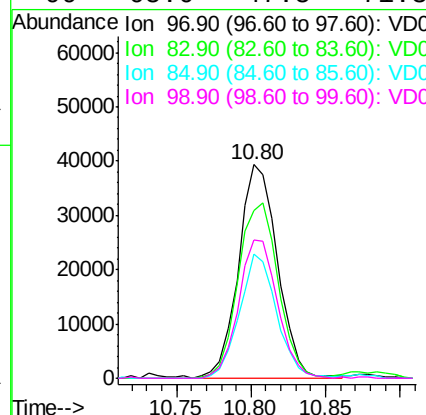
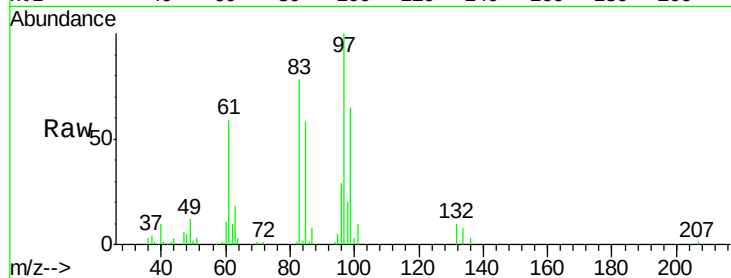
#55
 1,1,2-Trichloroethane
 Concen: 20.575 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion:	97	Resp:	71562
Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.7	100.1
85	58.0	42.4	63.6
99	65.0	47.5	71.3

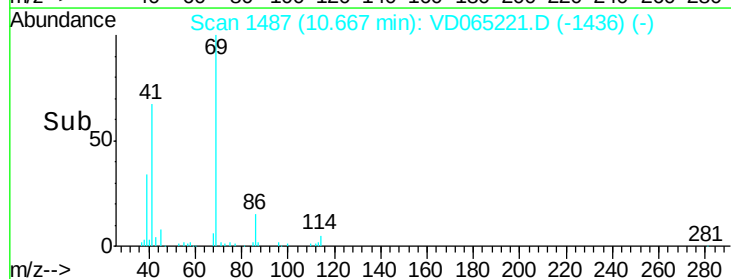
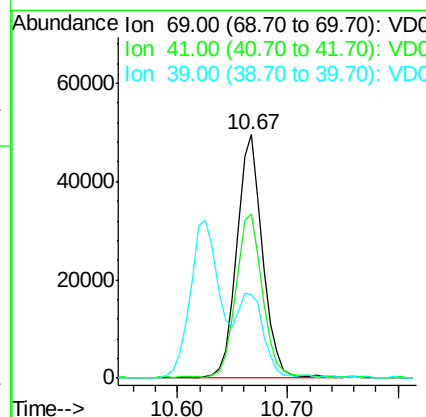
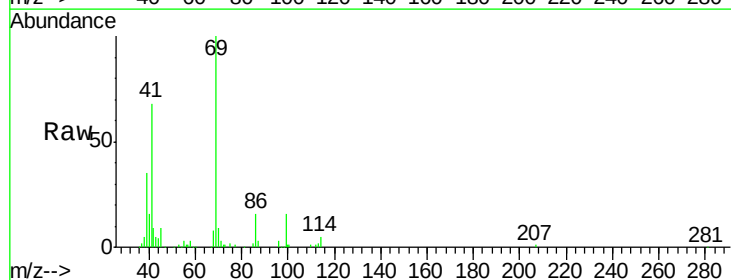
Manual Integrations
 APPROVED

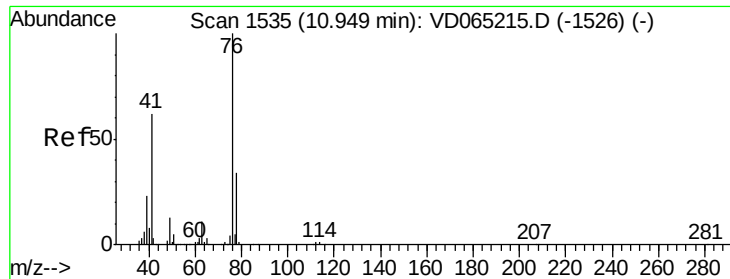
MMDadoda
 2/19/2020 1:43:51 PM



#56
 Ethyl methacrylate
 Concen: 20.265 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion:	69	Resp:	81354
Ion	Ratio	Lower	Upper
69	100		
41	70.7	54.6	81.8
39	34.2	26.5	39.7





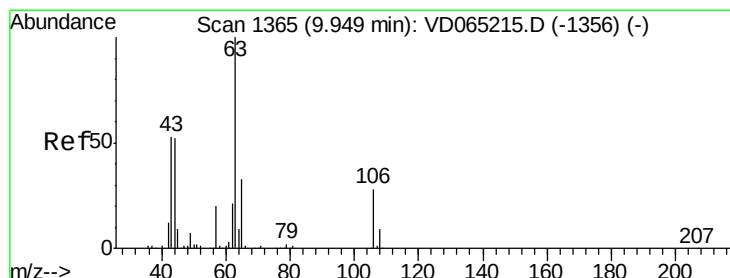
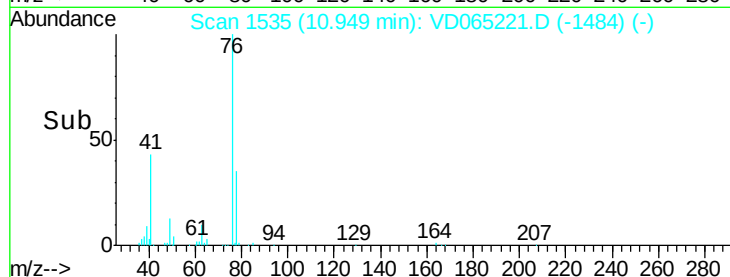
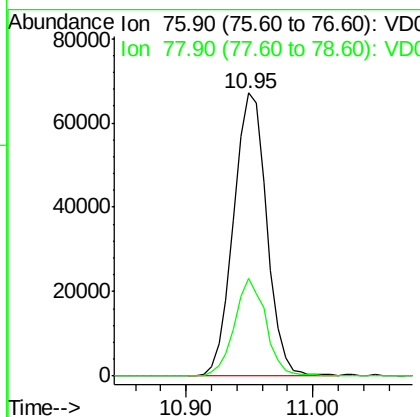
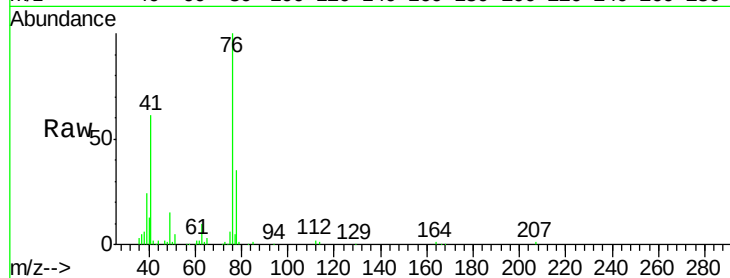
#57
 1,3-Dichloropropane
 Concen: 20.552 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

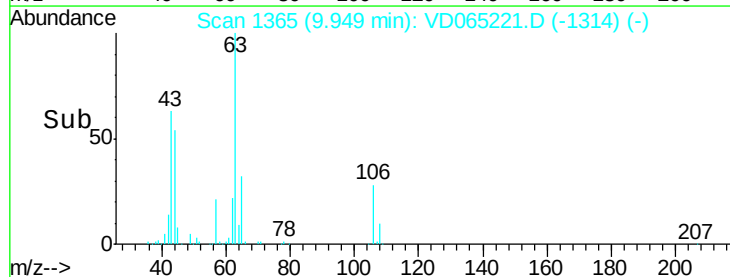
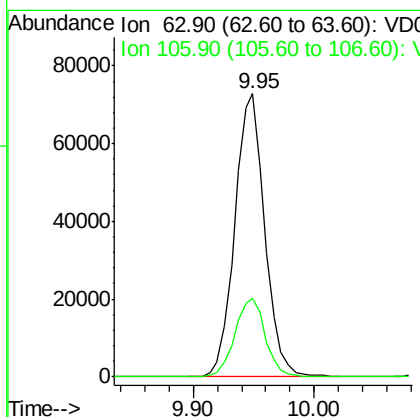
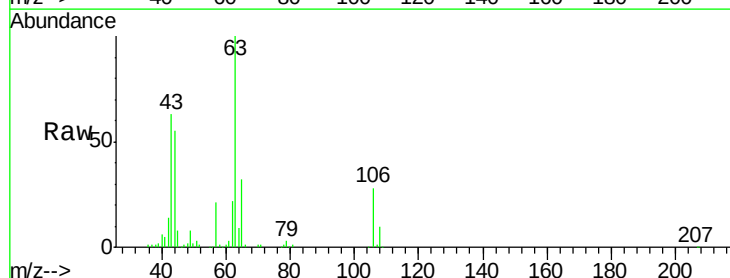
Manual Integrations
 APPROVED

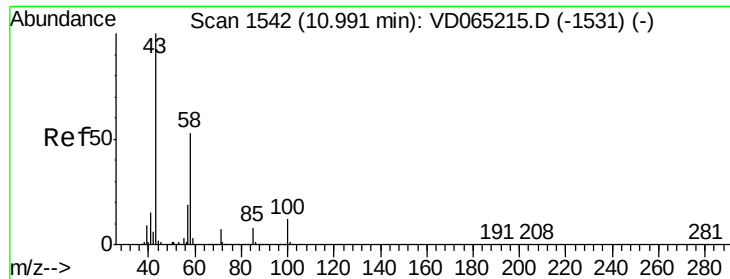
MMDadoda
 2/19/2020 1:43:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.474 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.8	34.2





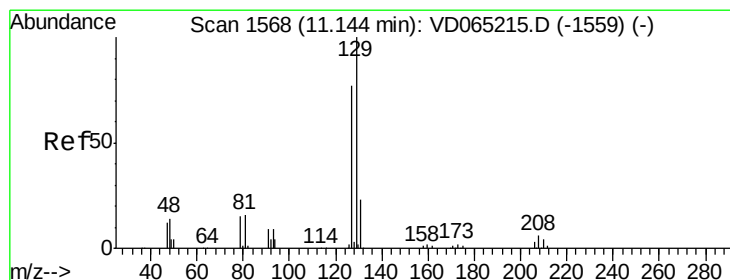
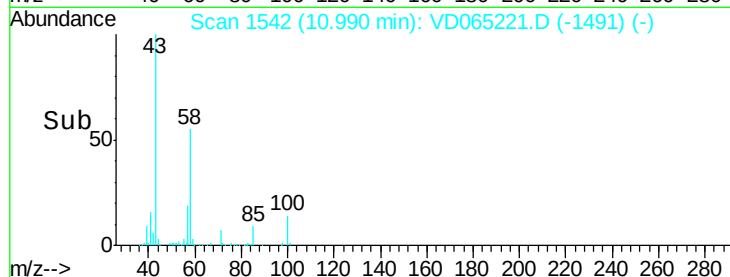
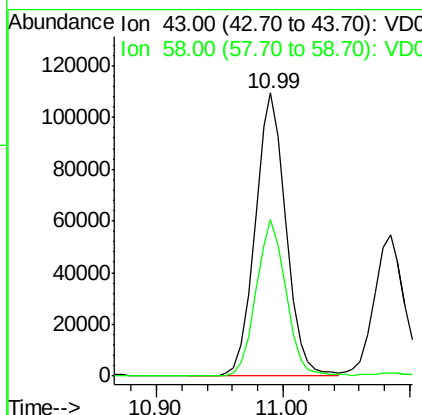
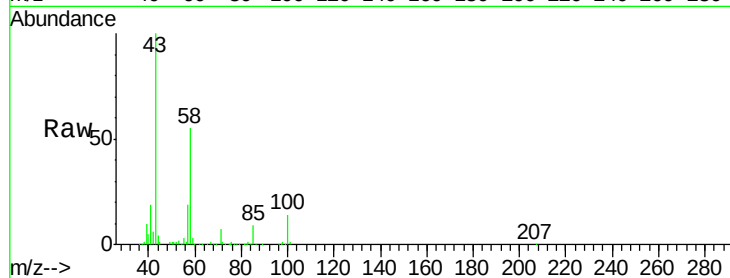
#59
2-Hexanone
Concen: 97.868 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.3	78.8

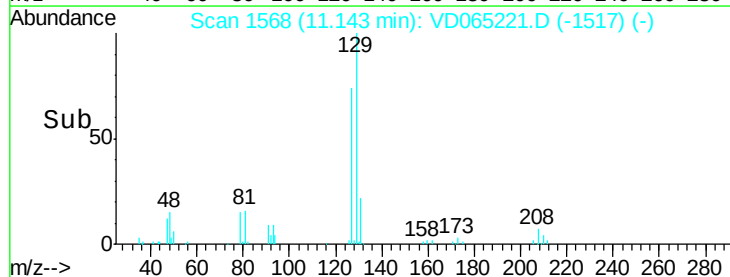
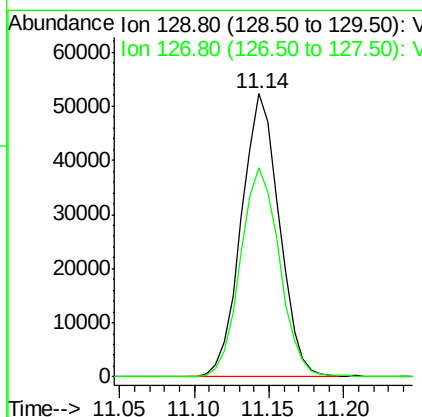
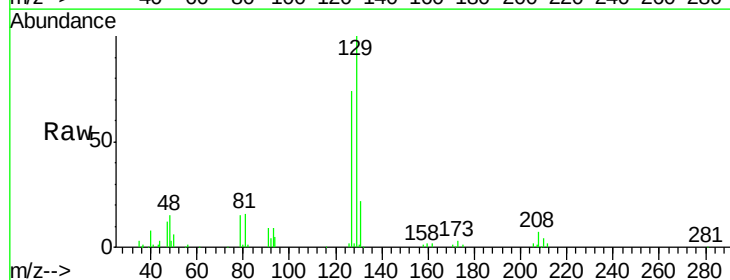
Manual Integrations
APPROVED

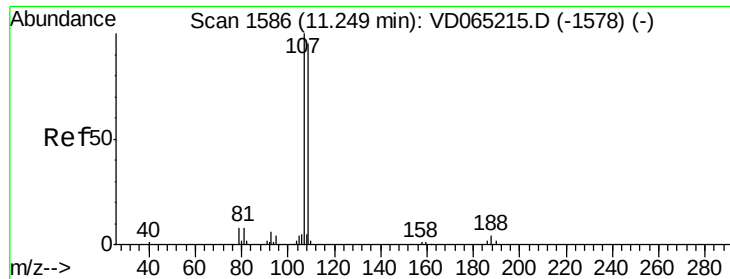
MMDadoda
2/19/2020 1:43:51 PM



#60
Dibromochloromethane
Concen: 20.692 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.7	116.1





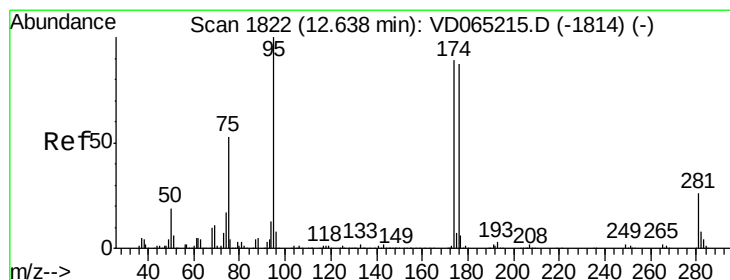
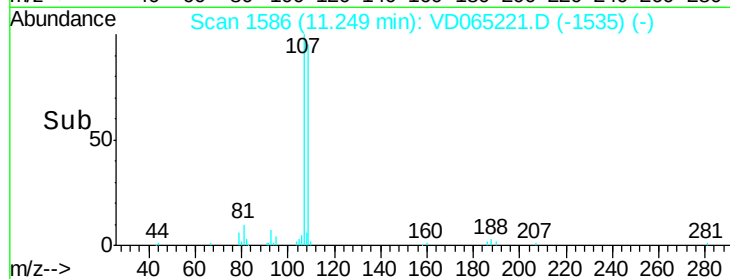
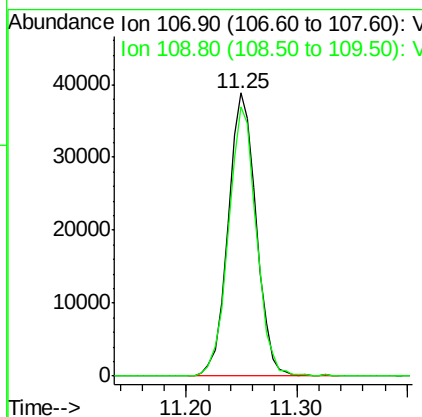
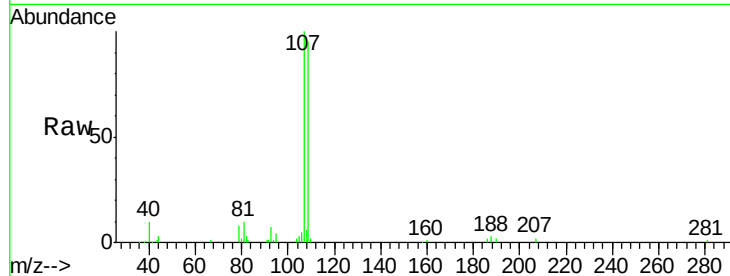
#61
 1,2-Dibromoethane
 Concen: 20.980 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion: 107 Resp: 69091
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.4

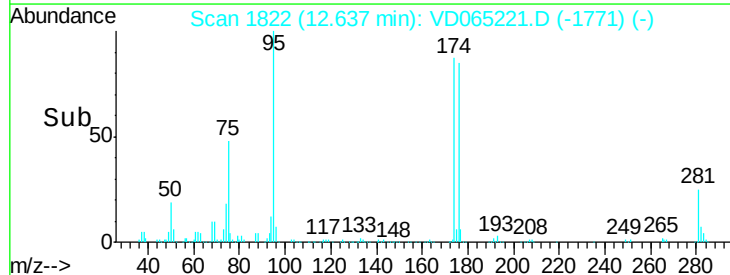
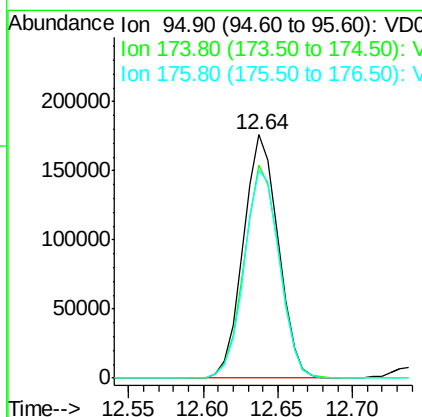
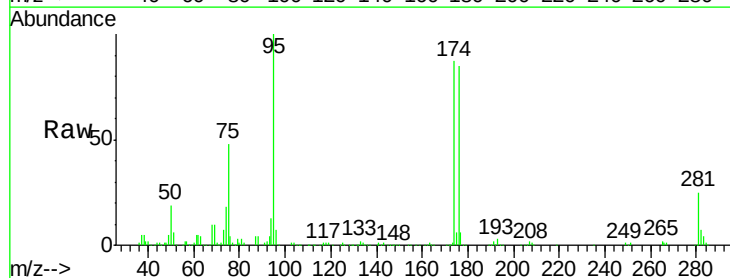
Manual Integrations
 APPROVED

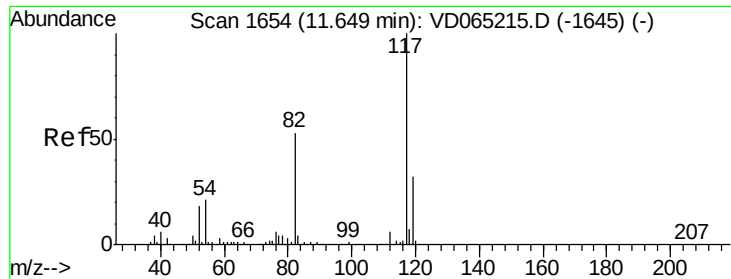
MMDadoda
 2/19/2020 1:43:51 PM



#62
 4-Bromofluorobenzene
 Concen: 54.899 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion: 95 Resp: 285110
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 178.0
 176 86.0 0.0 174.4





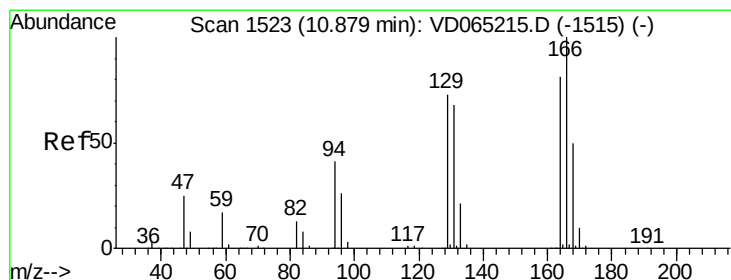
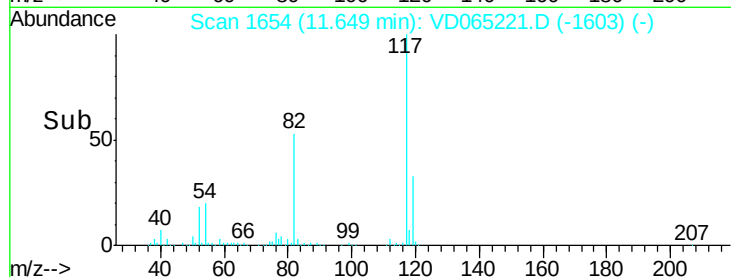
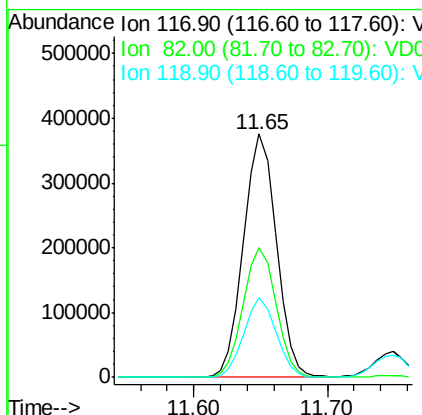
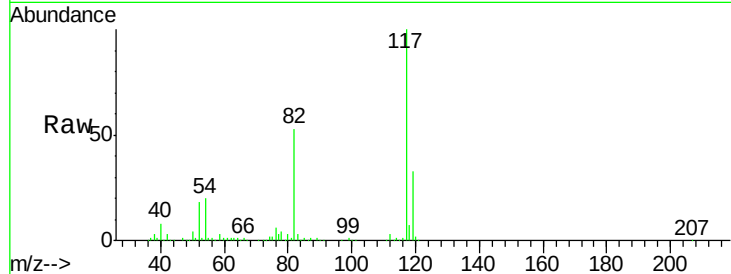
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.7	64.1
119	32.8	25.5	38.3

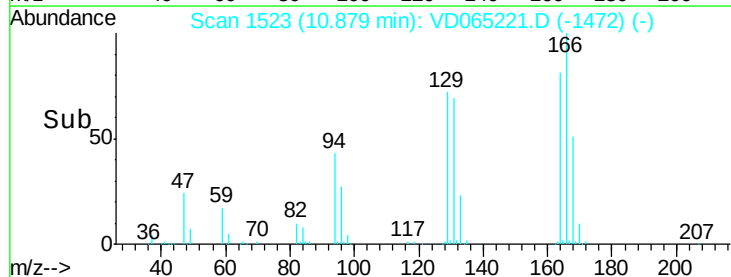
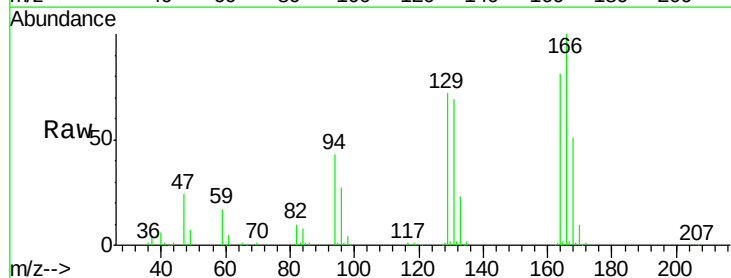
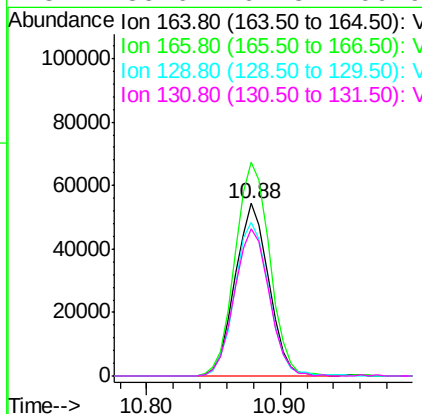
Manual Integrations
APPROVED

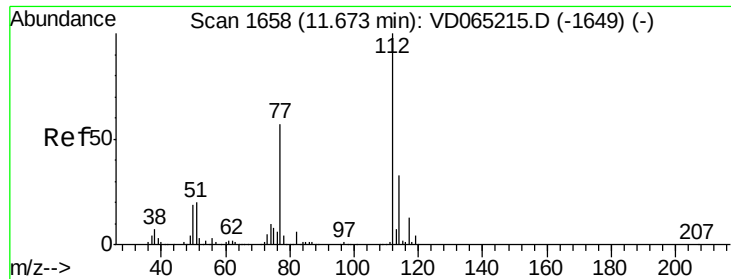
MMDadoda
2/19/2020 1:43:51 PM



#64
Tetrachloroethene
Concen: 20.856 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	98.4	147.6
129	89.5	71.6	107.4
131	85.6	67.3	100.9





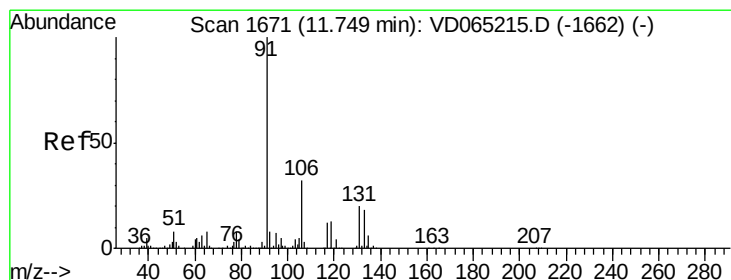
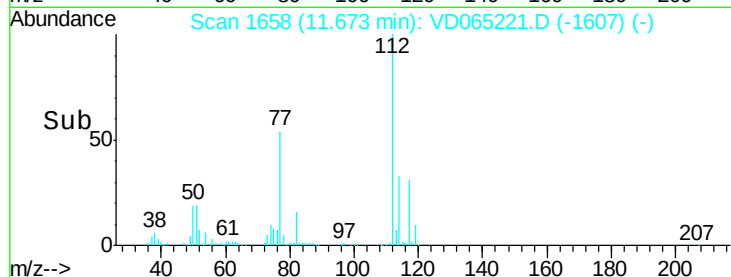
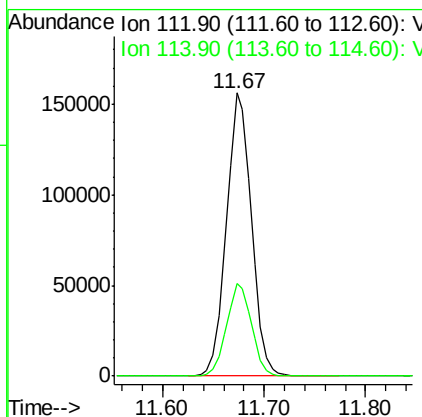
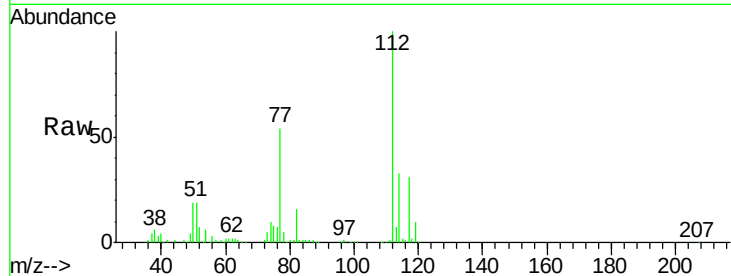
#65
Chlorobenzene
Concen: 20.669 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion:112 Resp: 266346
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6

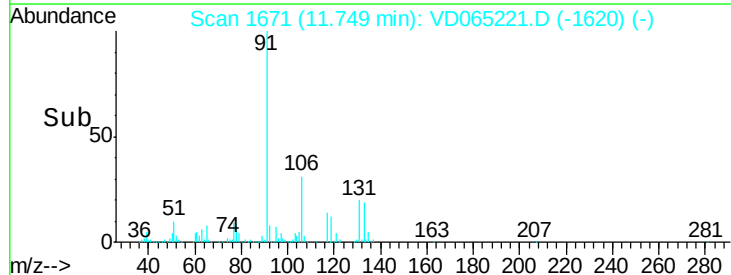
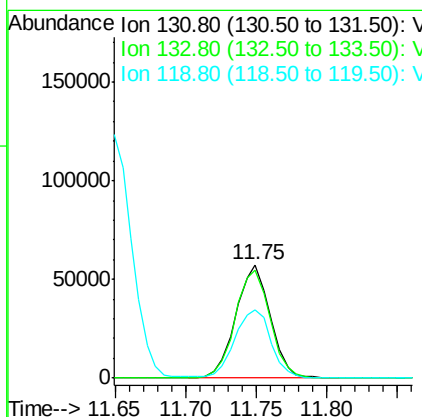
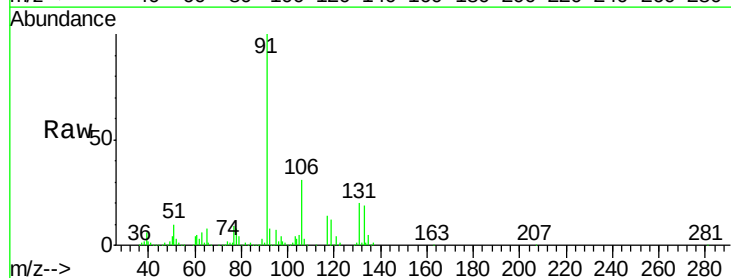
Manual Integrations
APPROVED

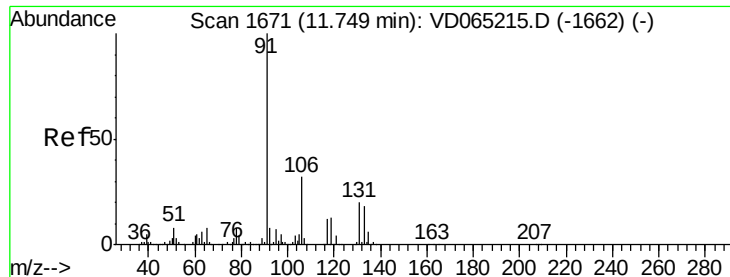
MMDadoda
2/19/2020 1:43:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.400 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion:131 Resp: 98099
Ion Ratio Lower Upper
131 100
133 97.4 47.7 143.1
119 64.0 32.7 98.1





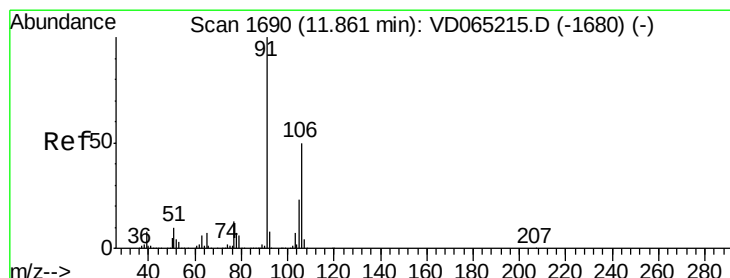
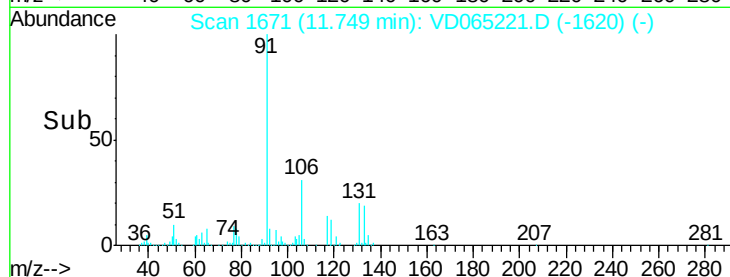
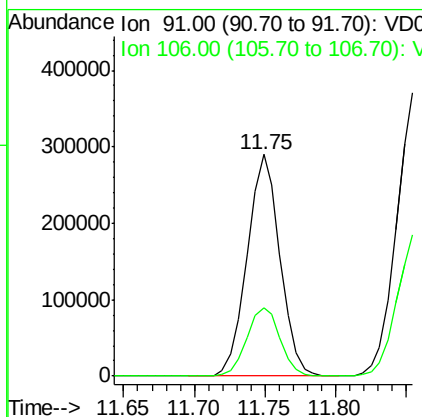
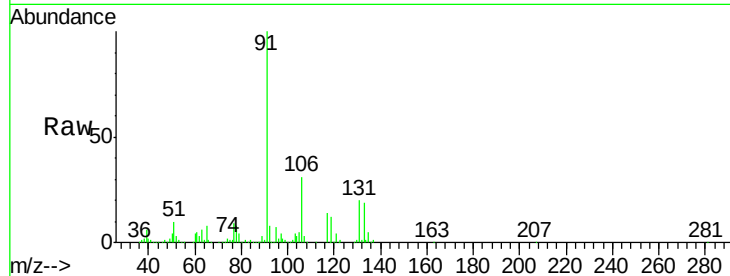
#67
Ethyl Benzene
Concen: 21.003 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.9	25.2	37.8	

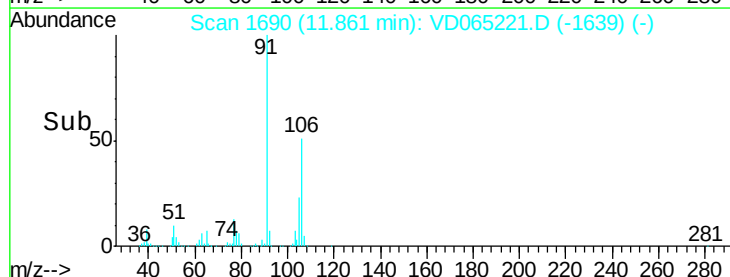
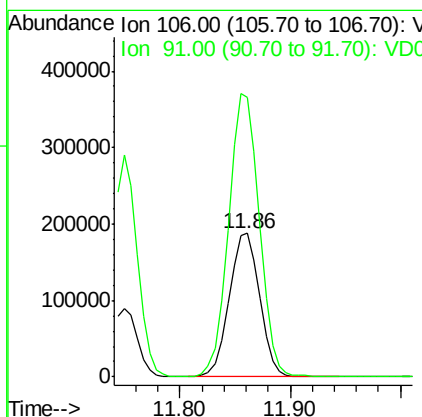
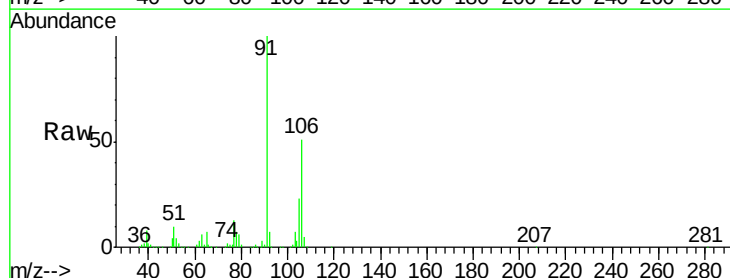
Manual Integrations
APPROVED

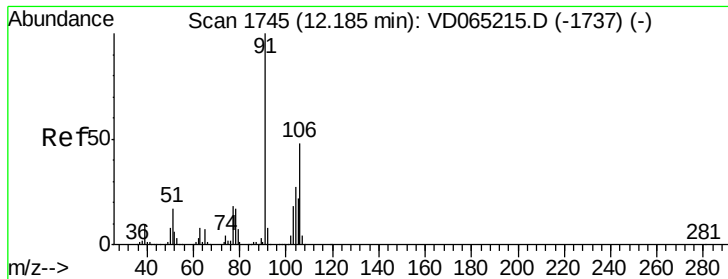
MMDadoda
2/19/2020 1:43:51 PM



#68
m/p-Xylenes
Concen: 42.277 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.0	158.2	237.4	





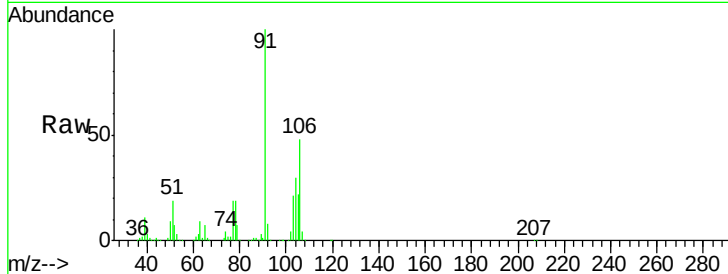
#69
o-Xylene
Concen: 20.928 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

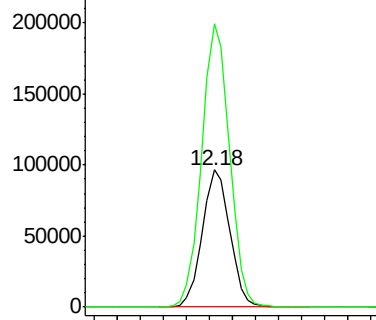
Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	104.7	313.9

Manual Integrations
APPROVED

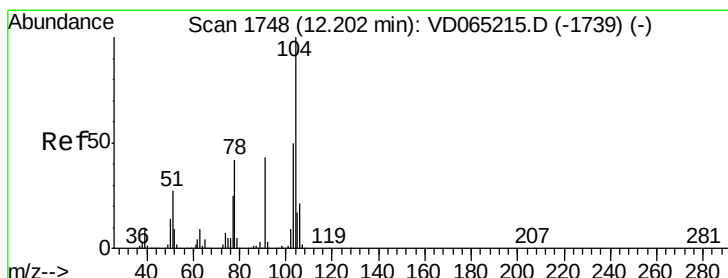
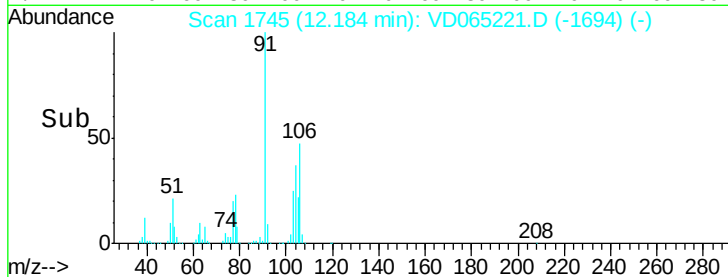
MMDadoda
2/19/2020 1:43:51 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

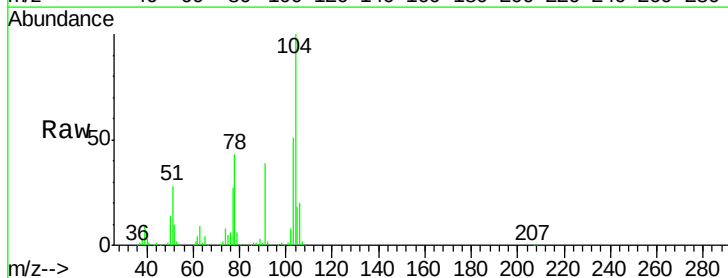


Time-->

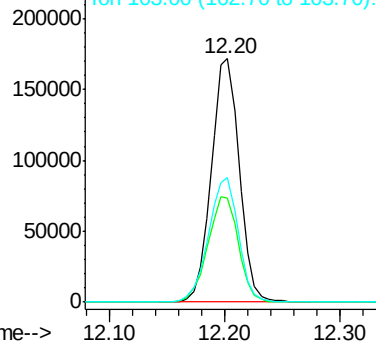


#70
Styrene
Concen: 21.289 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

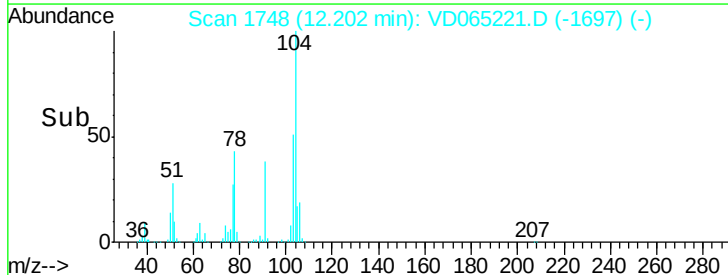
Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.6
103	54.5	43.4	65.2

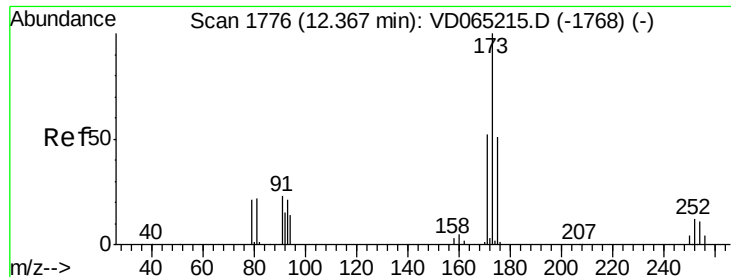


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 19.855 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

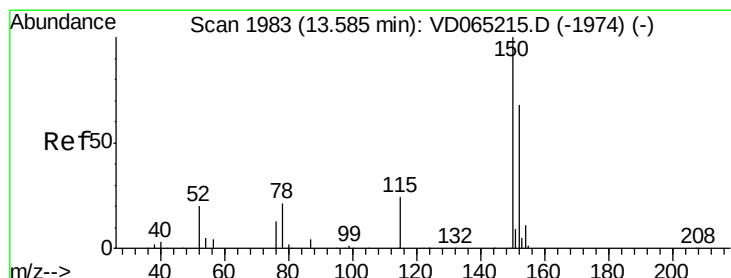
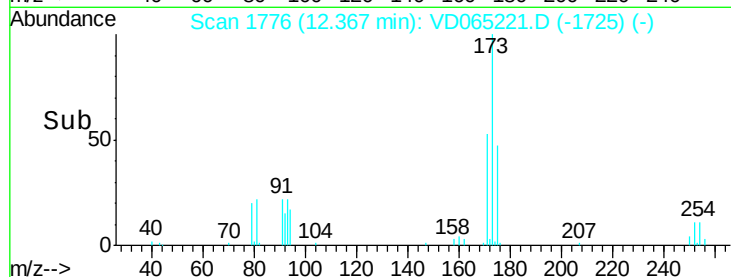
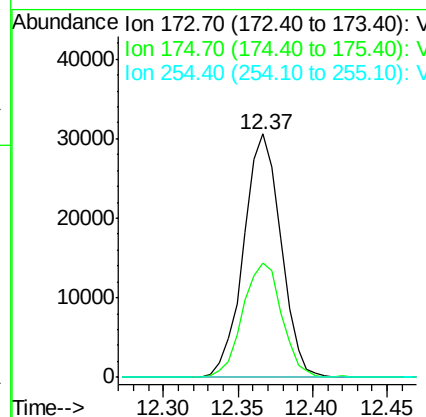
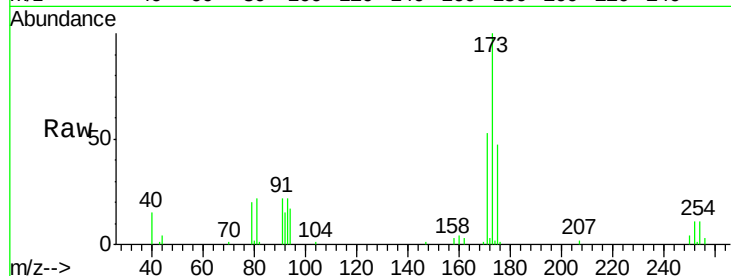
ClientSampleId :

VD0218SBS01

Tot Ion:	173	Resp:	52982
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

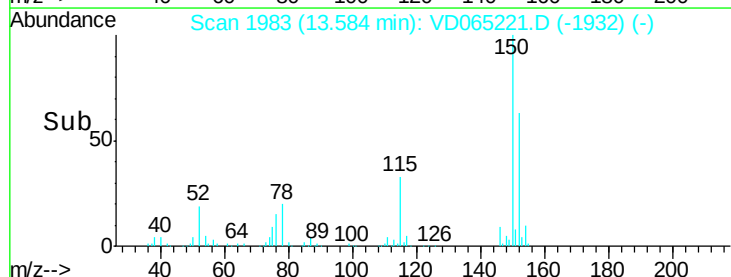
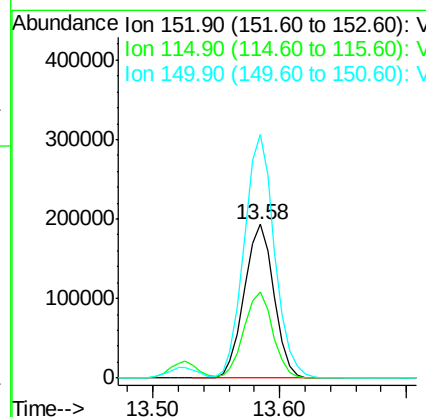
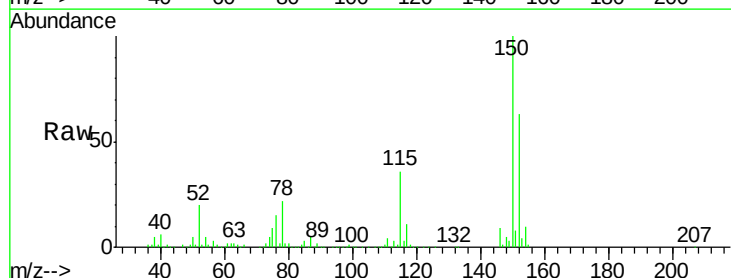
RT: 13.58 min Scan# 1983

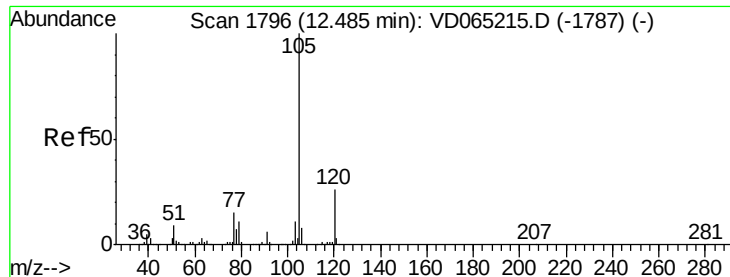
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	152	Resp:	313257
Ion Ratio	Lower	Upper	
152	100		
115	54.7	27.6	82.8
150	162.3	0.0	347.4





#73

Isopropylbenzene

Concen: 20.962 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 105 Resp: 434739

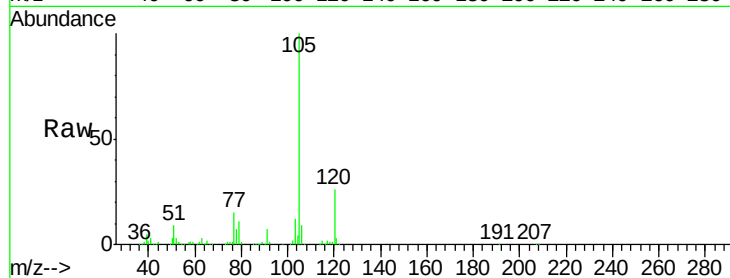
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9

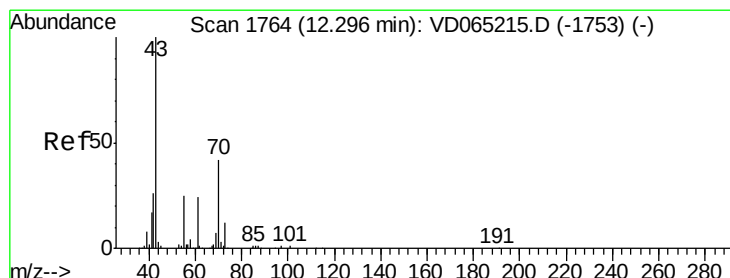
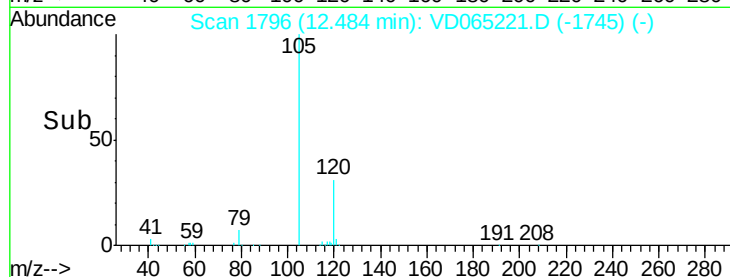
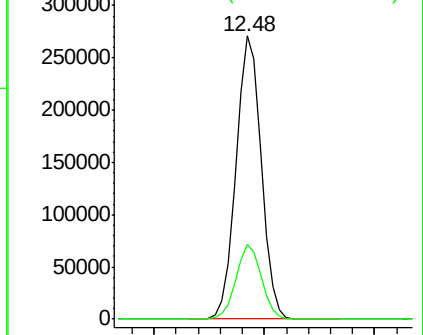
Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.215 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion: 43 Resp: 93156

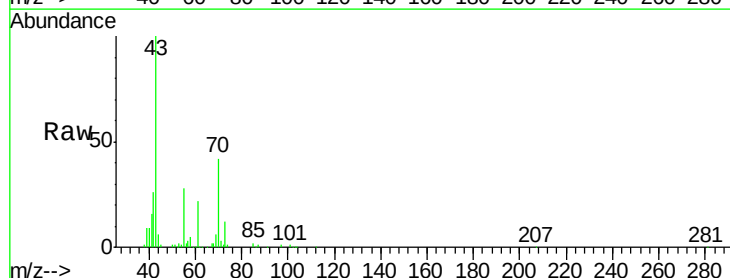
Ion Ratio Lower Upper

43 100

70 42.6 33.7 50.5

55 27.0 20.7 31.1

61 22.4 19.0 28.4

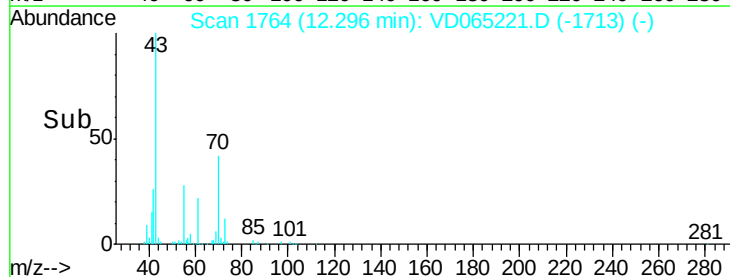
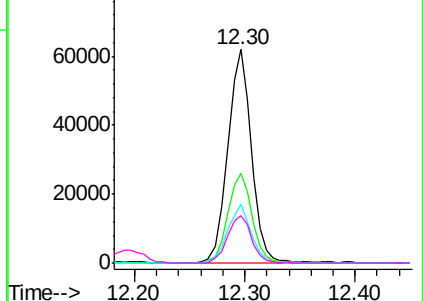


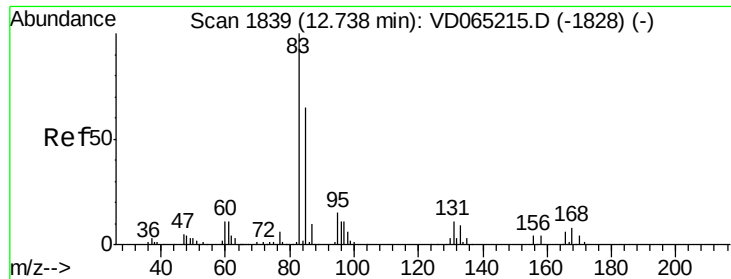
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

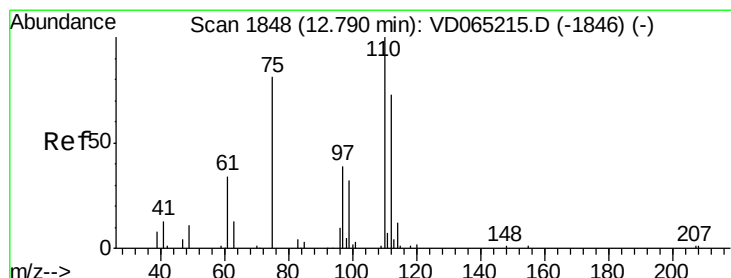
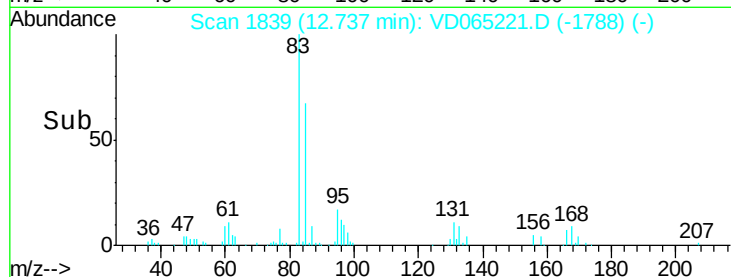
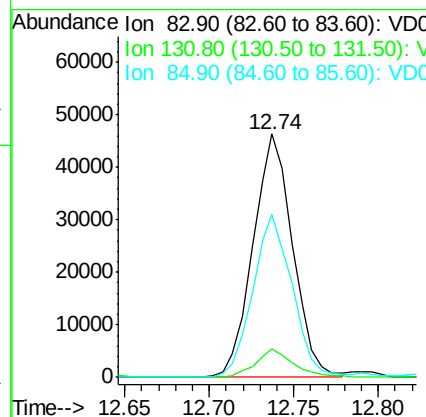
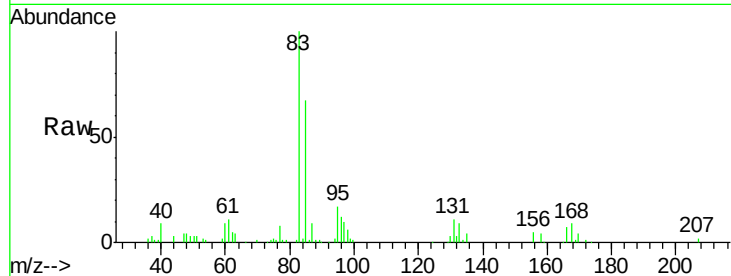
ClientSampleId :

VD0218SBS01

Tot Ion:	83	Resp:	75673
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	67.2	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#76

1,2,3-Trichloropropane

Concen: 22.650 ug/l m

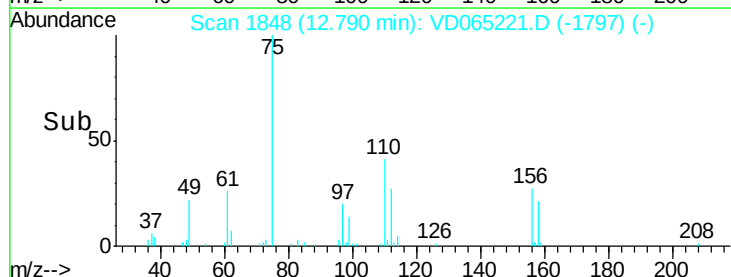
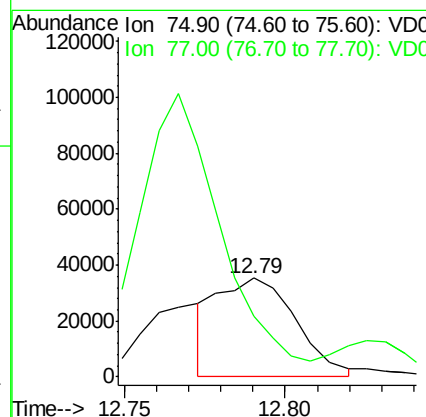
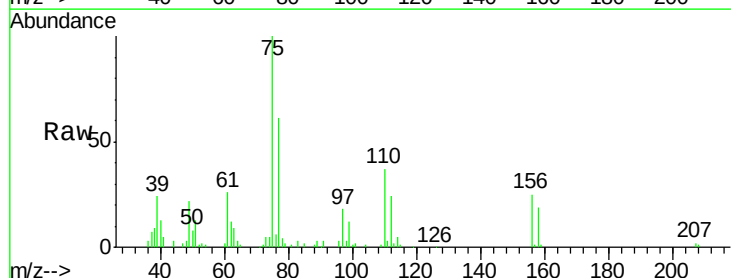
RT: 12.79 min Scan# 1848

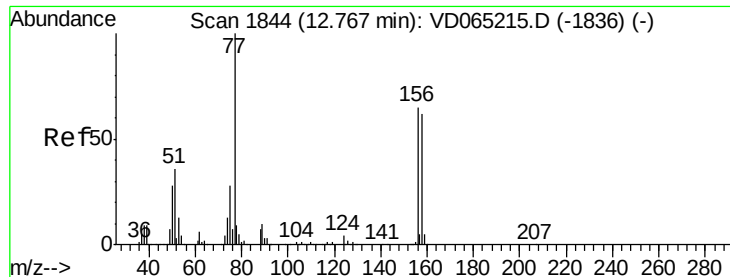
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	75	Resp:	60368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.952 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

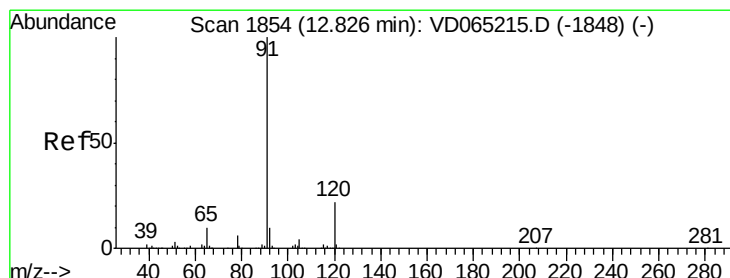
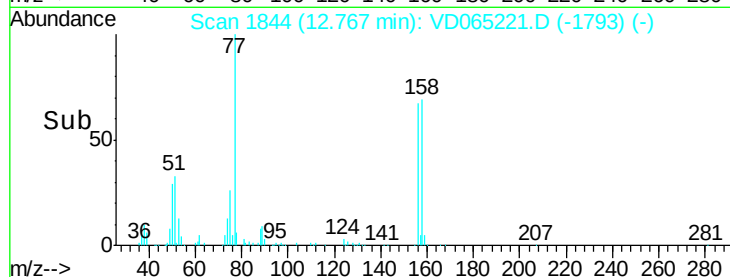
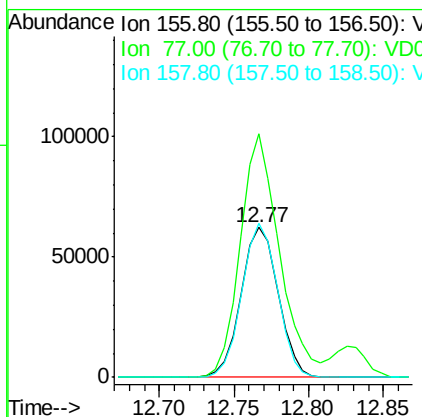
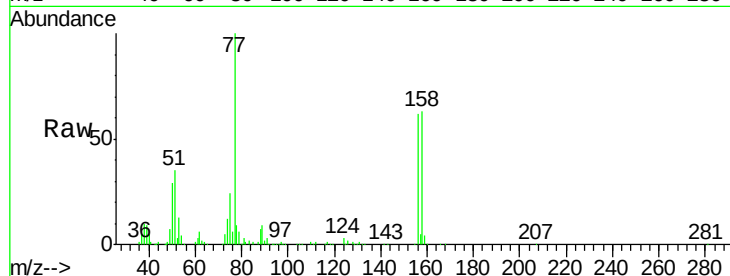
ClientSampleId :

VD0218SBS01

Tot Ion:	156	Resp:	107899
Ion Ratio	Lower	Upper	
156	100		
77	171.3	86.6	259.7
158	98.1	48.1	144.3

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#78

n-propylbenzene

Concen: 21.367 ug/l

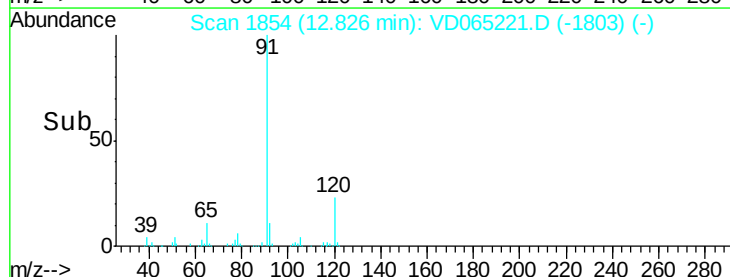
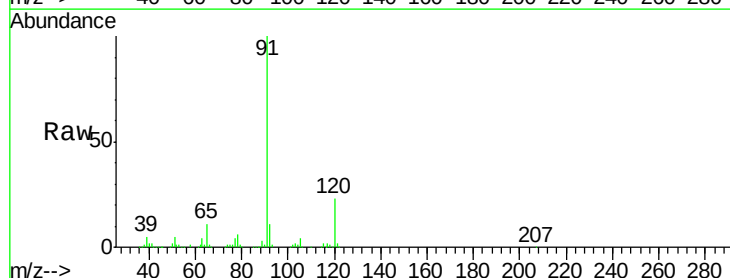
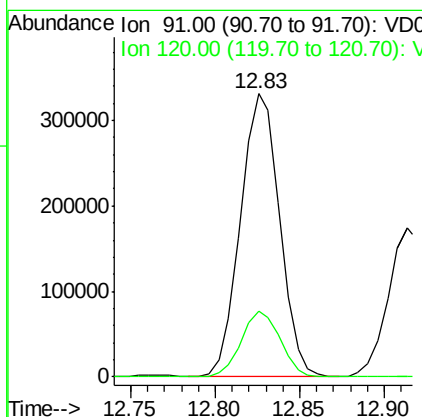
RT: 12.83 min Scan# 1854

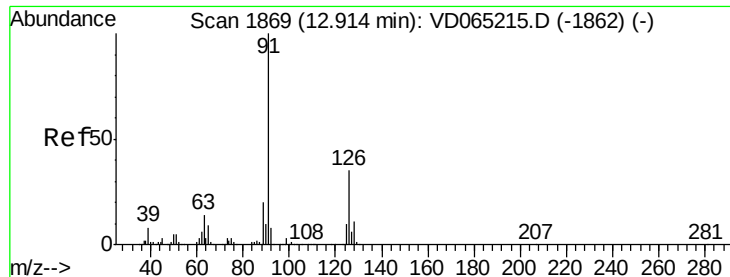
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	91	Resp:	532522
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





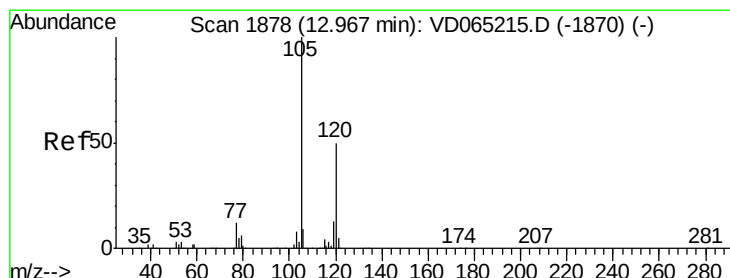
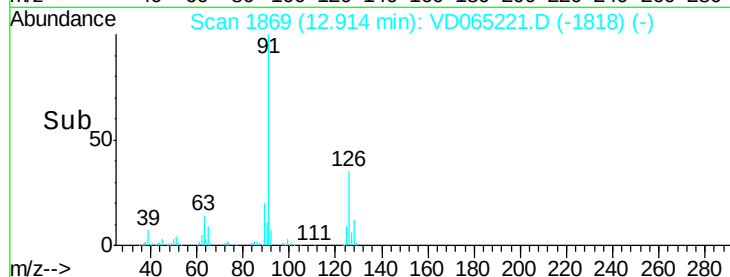
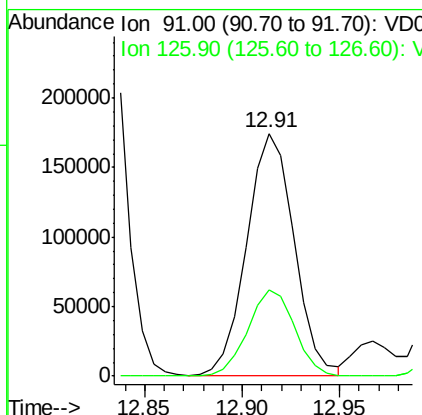
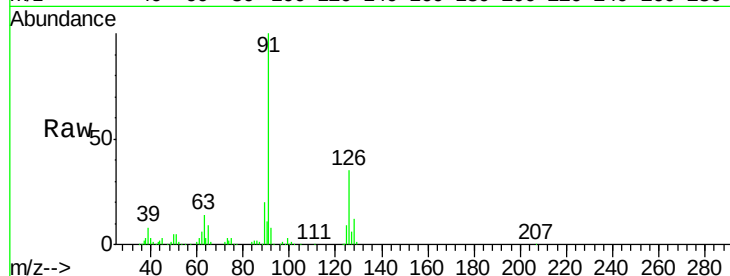
#79
 2-Chlorotoluene
 Concen: 21.009 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

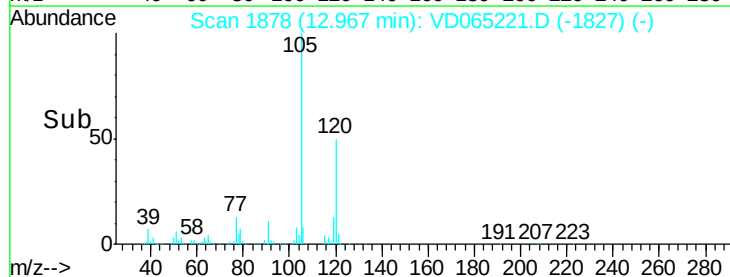
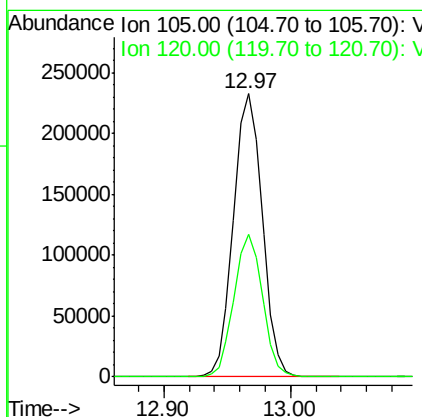
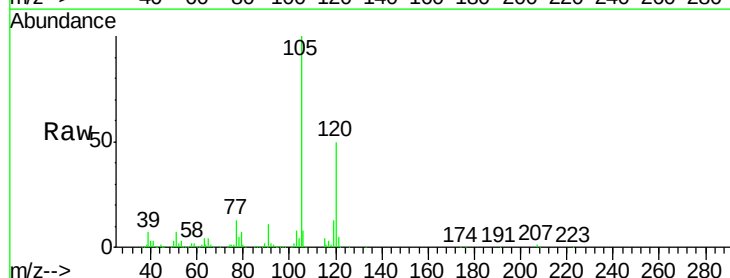
Manual Integrations
 APPROVED

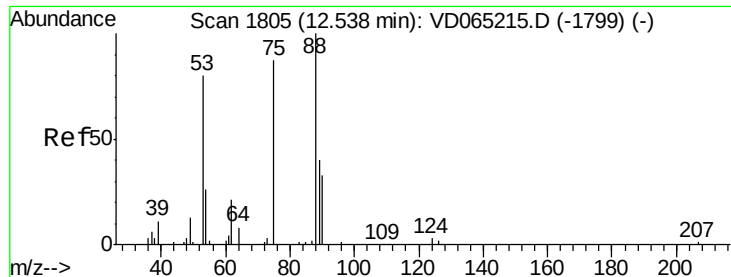
MMDadoda
 2/19/2020 1:43:51 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.430 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.4	76.4





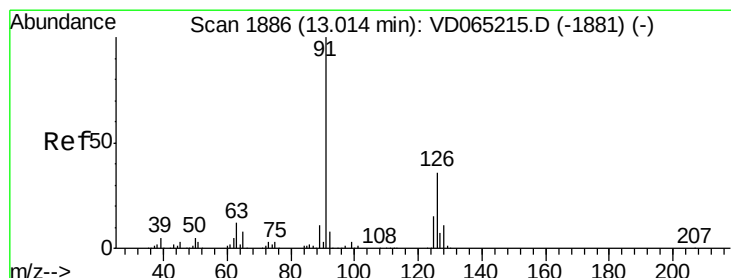
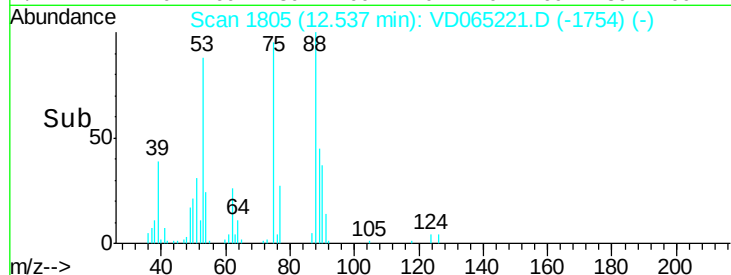
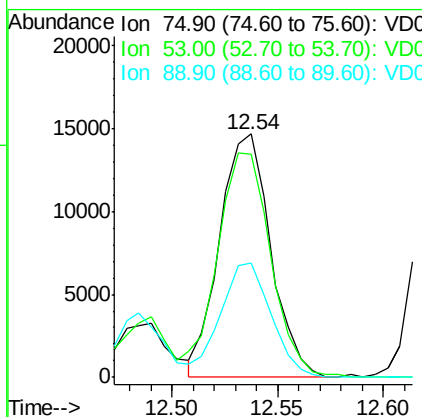
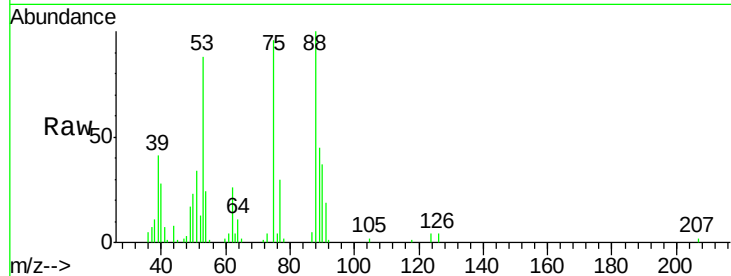
#81
trans-1,4-Dichloro-2-butene
Concen: 19.844 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	77.6	116.4
89	46.9	37.2	55.8

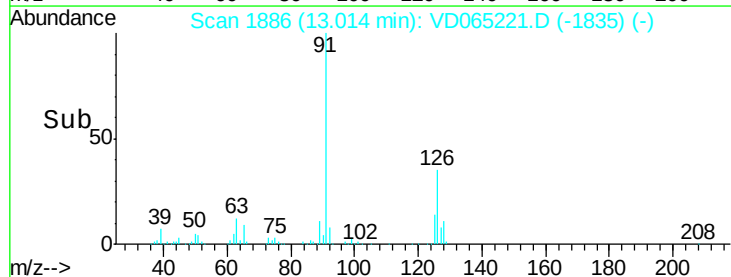
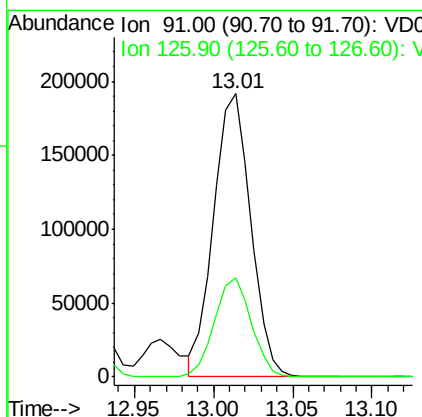
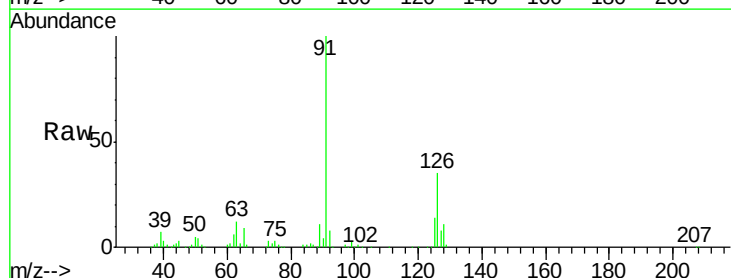
Manual Integrations
APPROVED

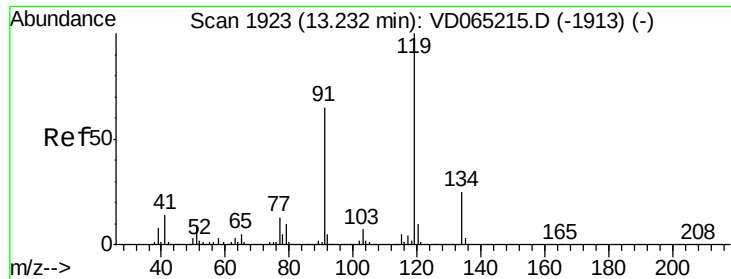
MMDadoda
2/19/2020 1:43:51 PM



#82
4-Chlorotoluene
Concen: 21.093 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3





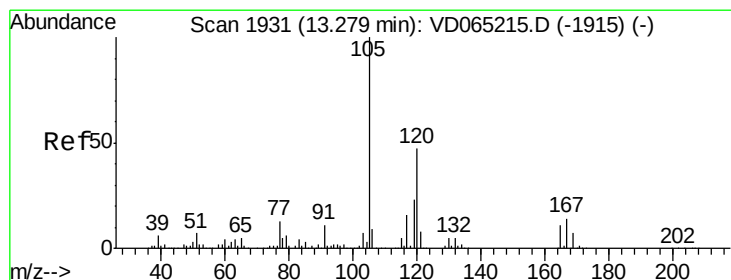
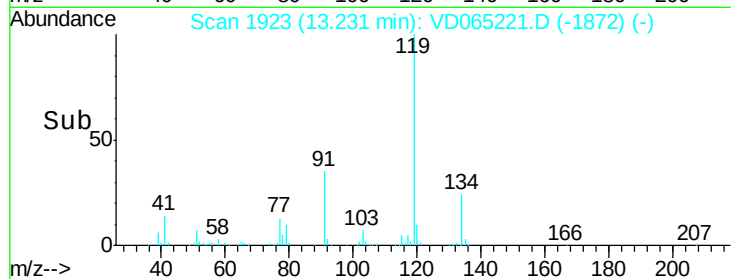
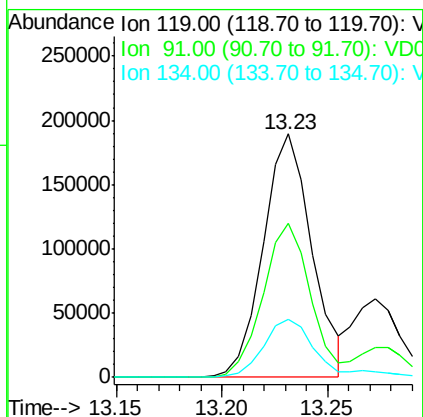
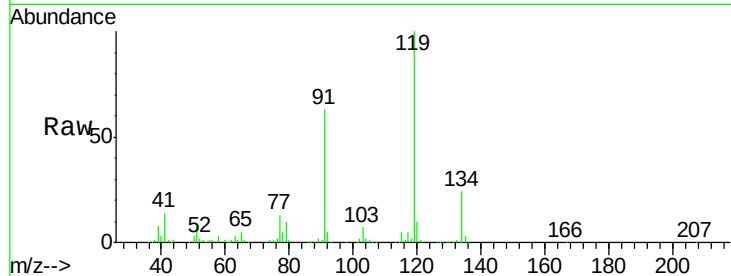
#83
 tert-Butylbenzene
 Concen: 21.190 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	24.5	13.8	41.3

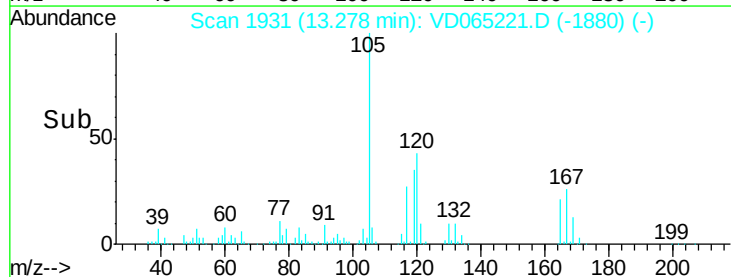
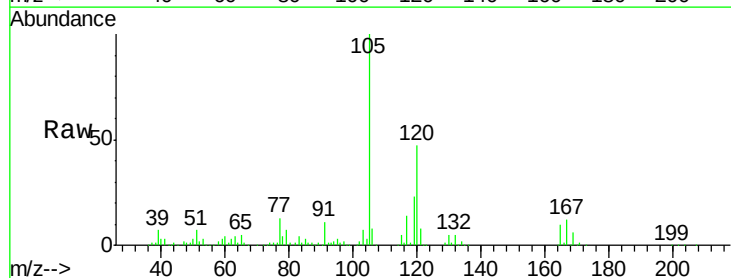
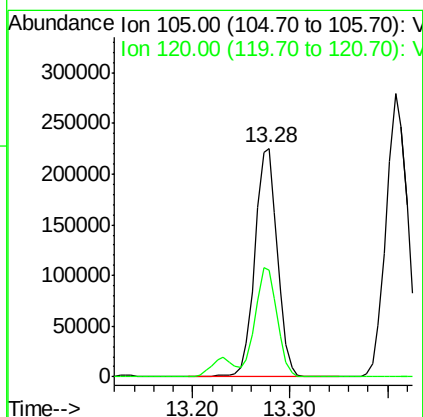
Manual Integrations
 APPROVED

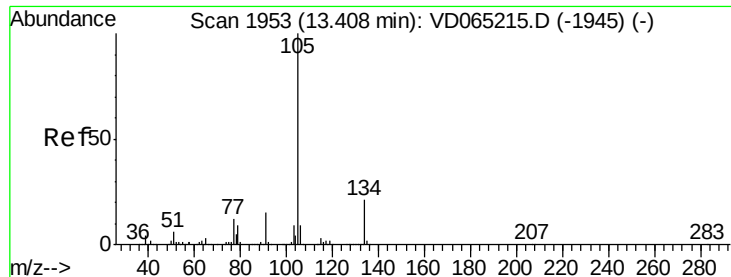
MMDadoda
 2/19/2020 1:43:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.450 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 20.862 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion:105 Resp: 430365

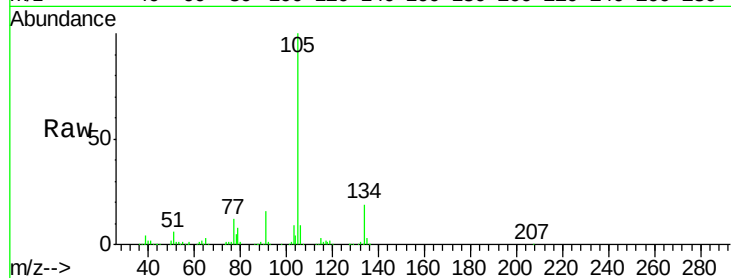
Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.9

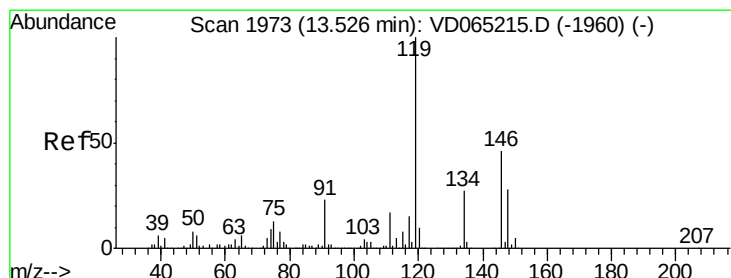
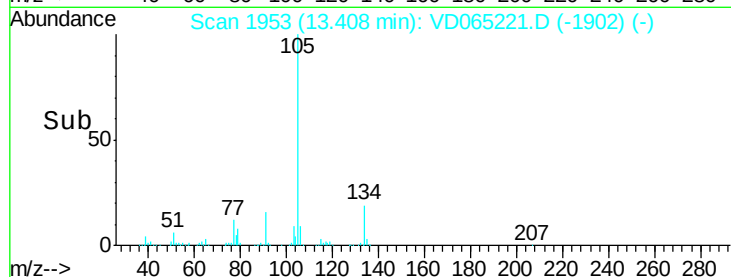
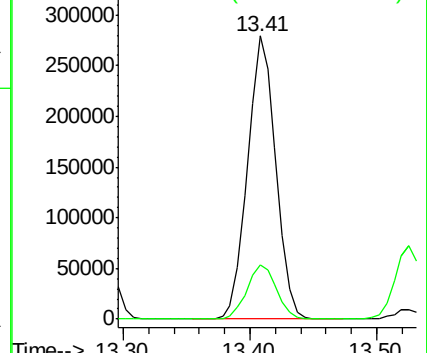
Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.112 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

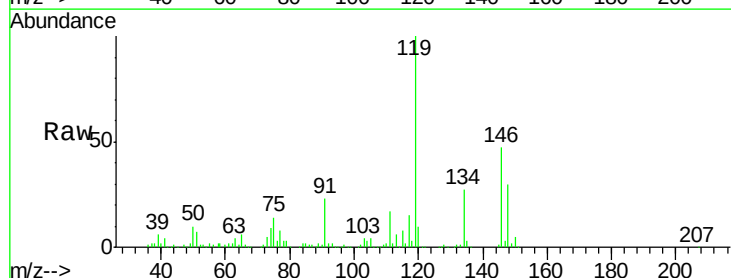
Tgt Ion:119 Resp: 398274

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

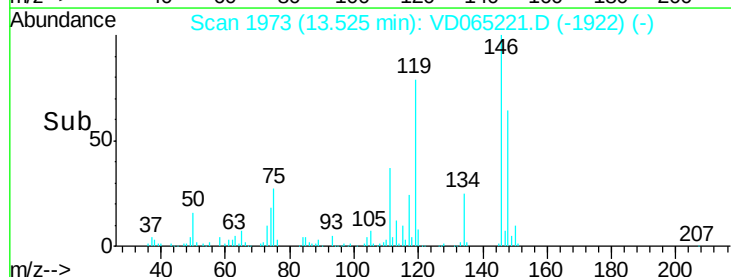
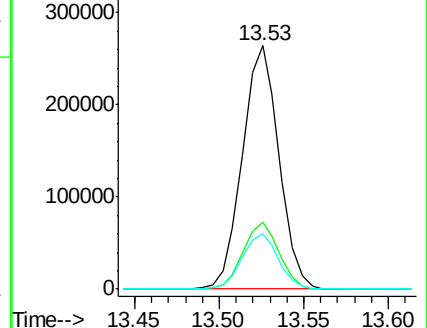
91 22.5 11.1 33.1

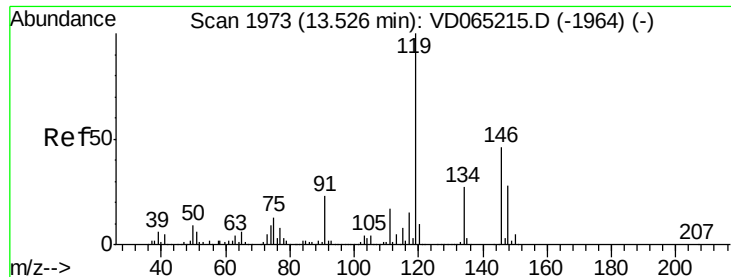


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





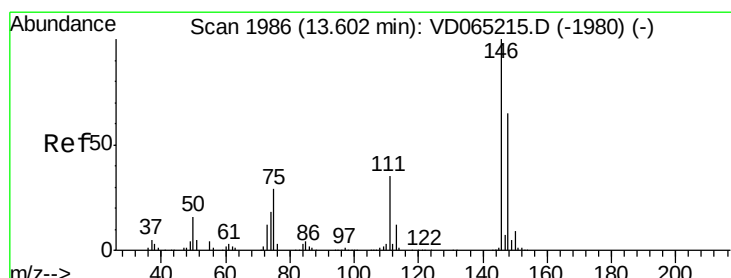
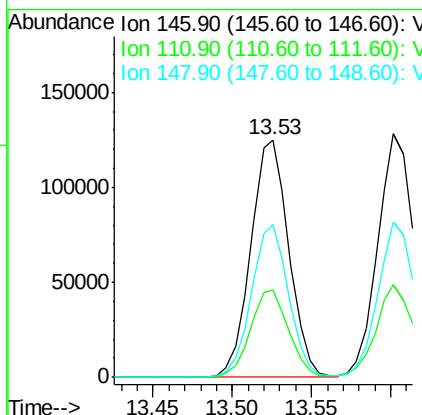
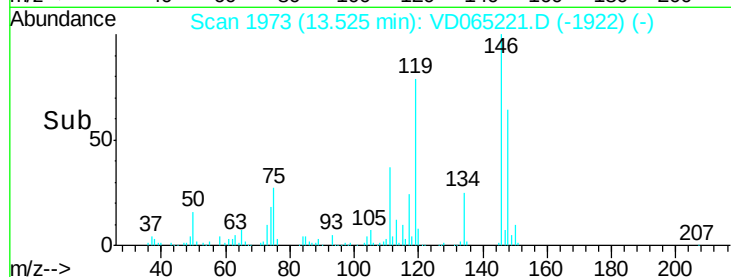
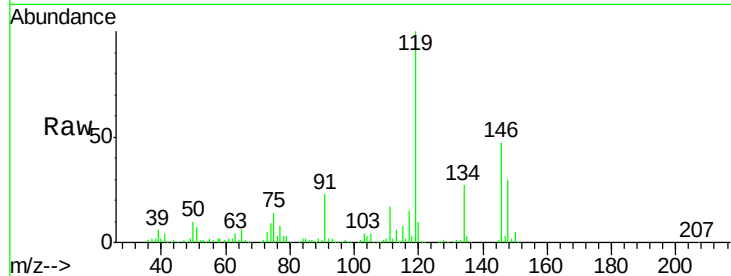
#87
 1,3-Dichlorobenzene
 Concen: 20.880 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	63.1	31.4	94.3

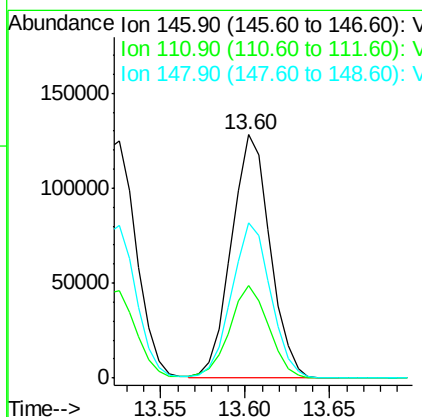
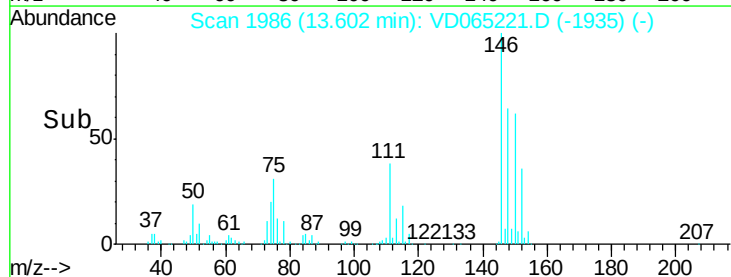
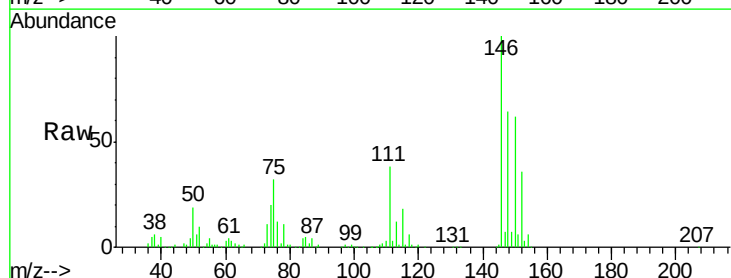
Manual Integrations
 APPROVED

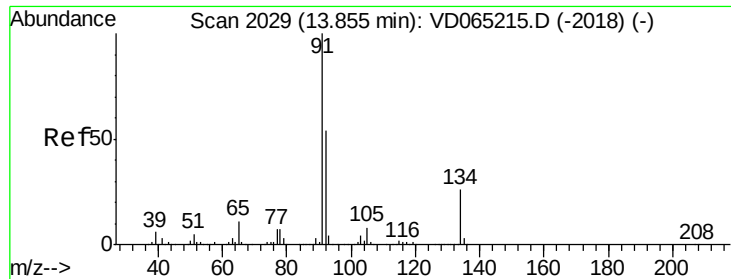
MMDadoda
 2/19/2020 1:43:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.882 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.4	55.2
148	64.2	32.1	96.5





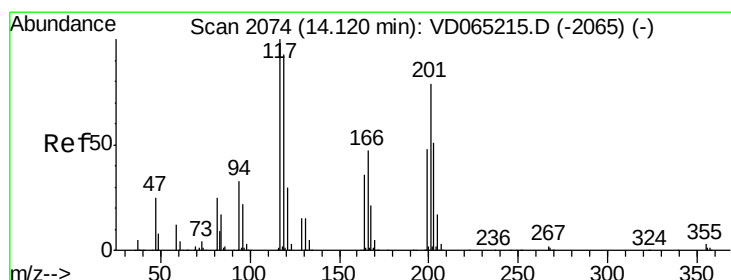
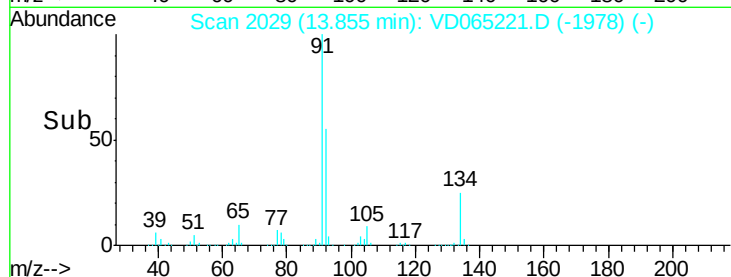
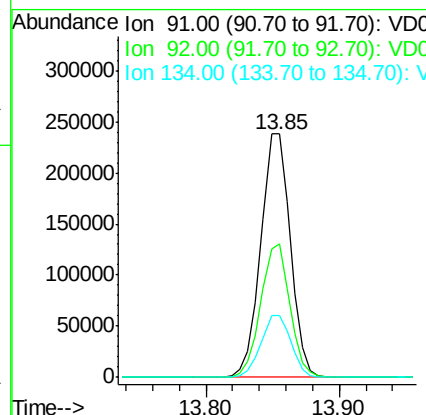
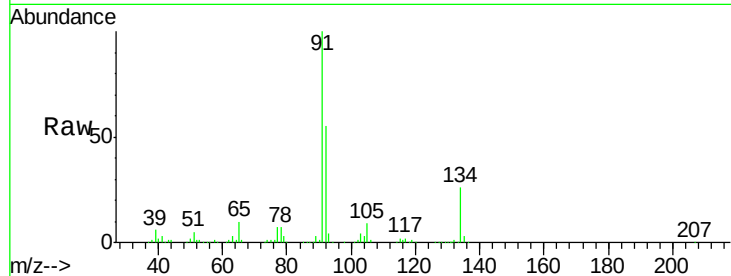
#89
n-Butylbenzene
Concen: 20.953 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	26.1	13.5	40.4

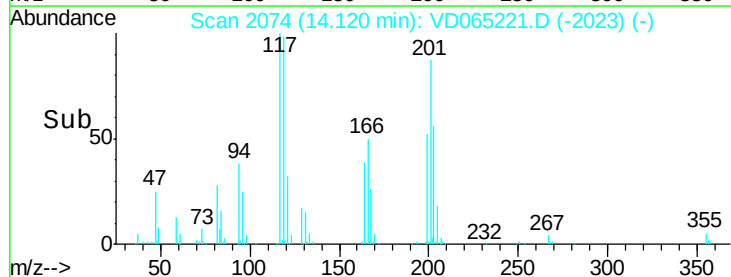
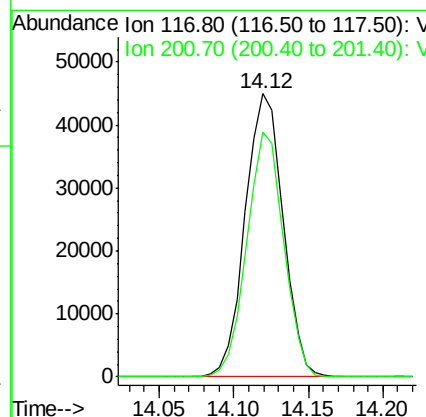
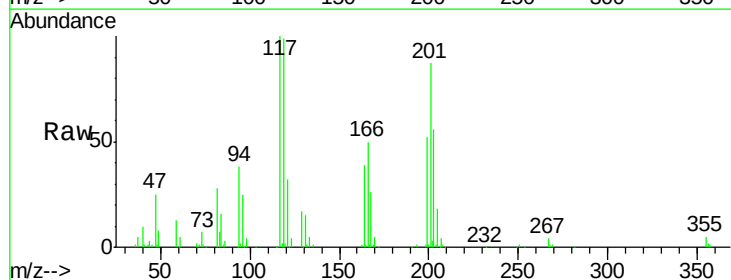
Manual Integrations
APPROVED

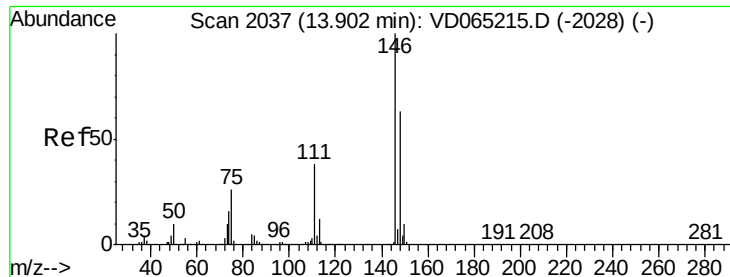
MMDadoda
2/19/2020 1:43:51 PM



#90
Hexachloroethane
Concen: 20.604 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.3	124.1





#91

1,2-Dichlorobenzene

Concen: 20.428 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Instrument :

MSVOA_D

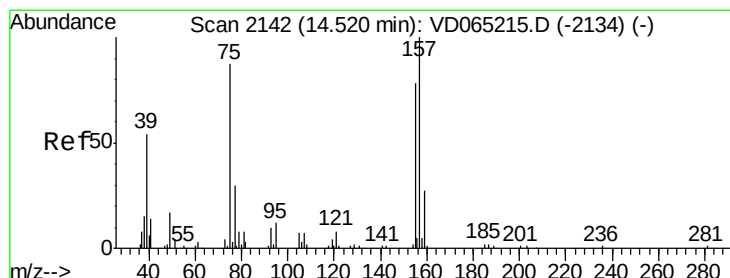
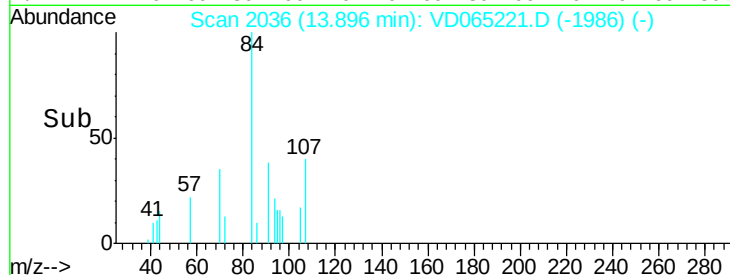
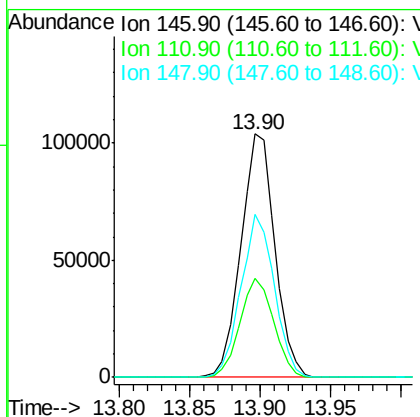
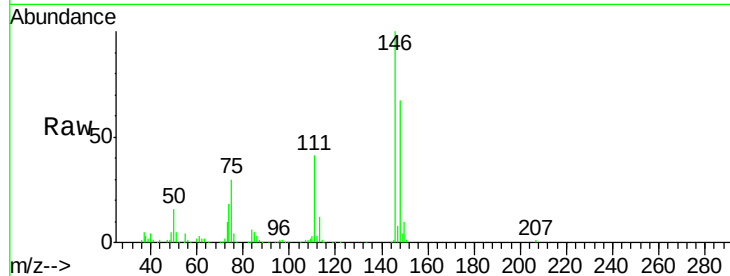
ClientSampleId :

VD0218SBS01

Tot Ion:	146	Resp:	174631
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.7	59.0
148	65.9	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.412 ug/l

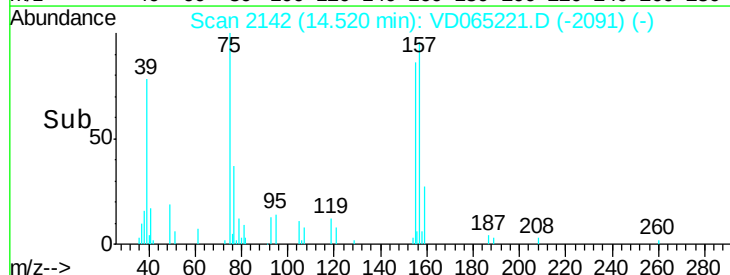
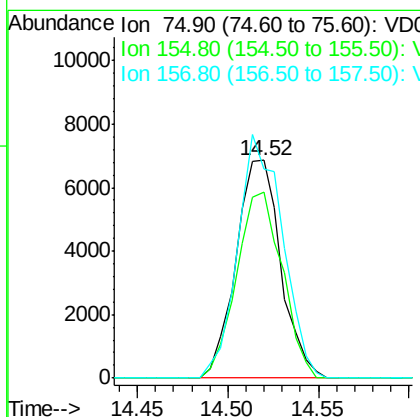
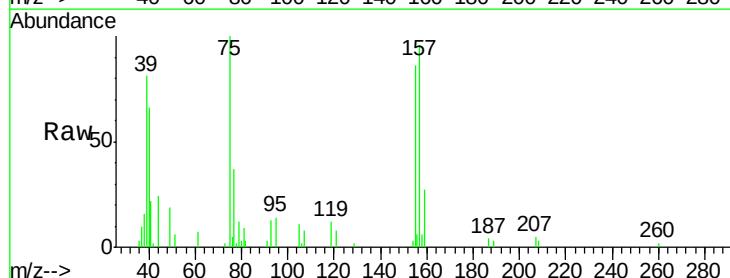
RT: 14.52 min Scan# 2142

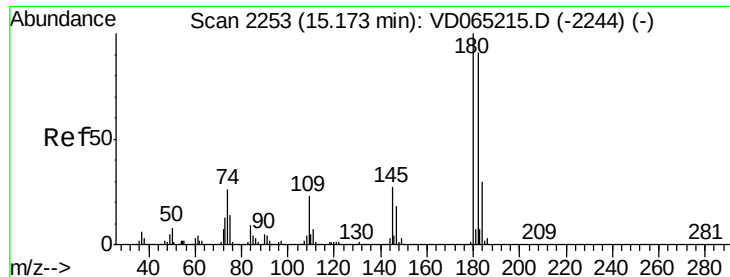
Delta R.T. -0.00 min

Lab File: VD065221.D

Acq: 18 Feb 2020 16:18

Tgt Ion:	75	Resp:	11774
Ion Ratio	Lower	Upper	
75	100		
155	86.9	42.3	126.9
157	111.8	56.7	170.1





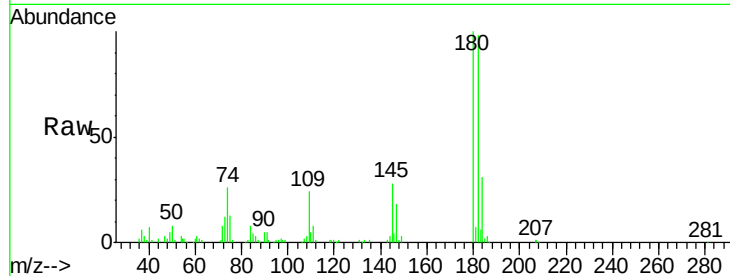
#93
 1,2,4-Trichlorobenzene
 Concen: 21.351 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

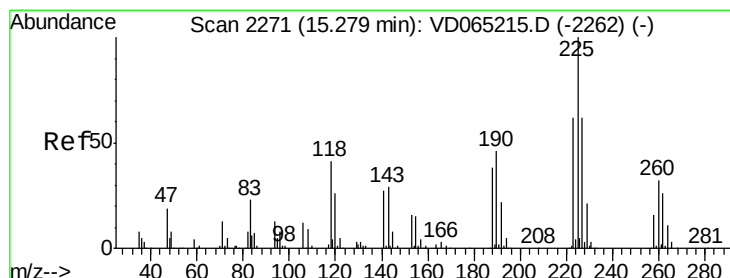
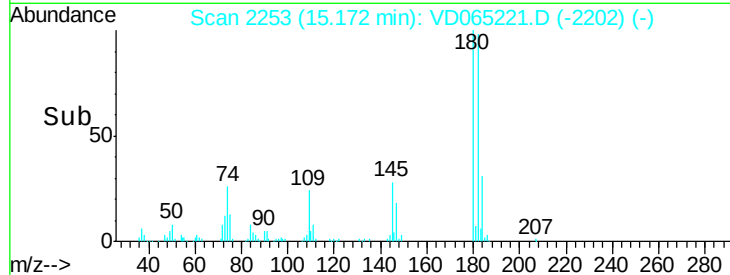
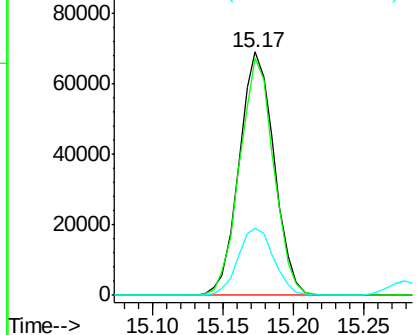
Tot Ion	Ratio	Resp	Lower	Upper
180	100	119387		
182	95.2	46.9	140.6	
145	28.2	13.9	41.7	

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:51 PM

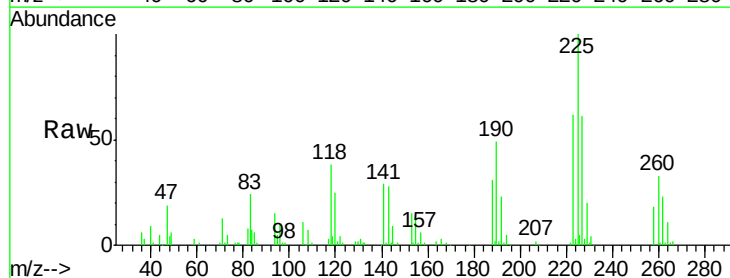


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

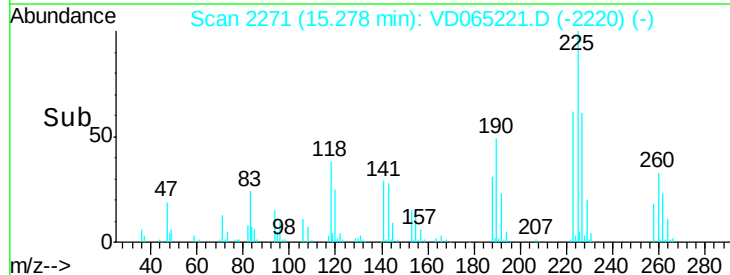
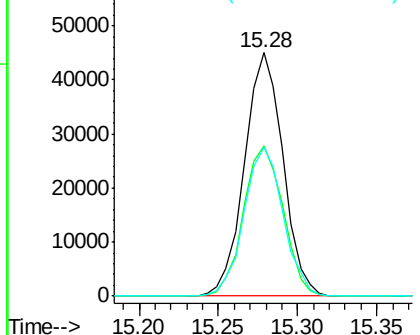


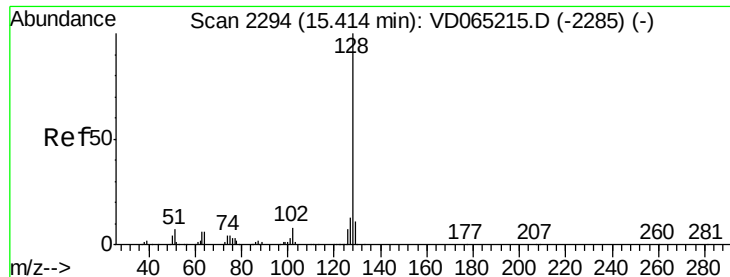
#94
 Hexachlorobutadiene
 Concen: 21.246 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065221.D
 Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76208		
223	63.3	31.4	94.2	
227	62.0	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





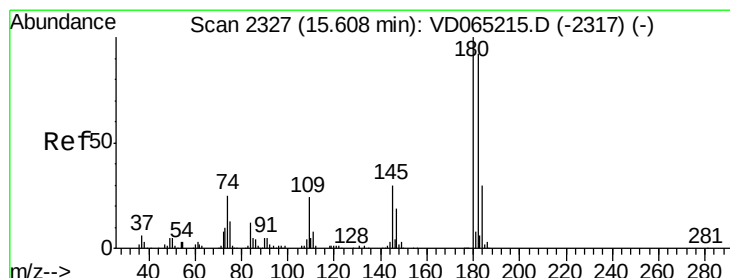
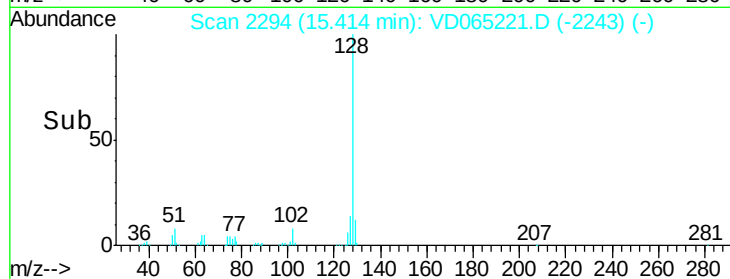
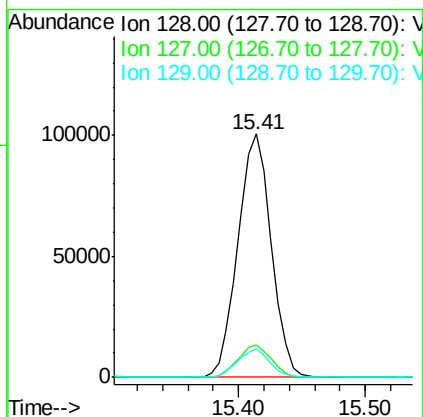
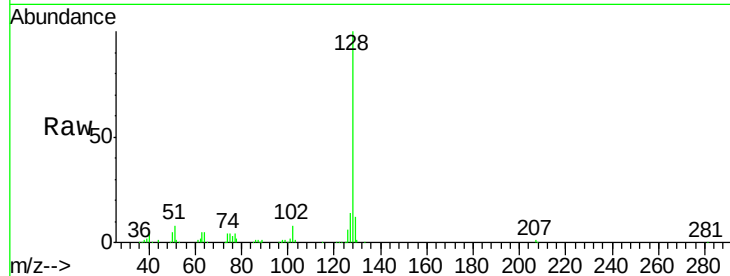
#95
Naphthalene
Concen: 20.172 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.975 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065221.D
Acq: 18 Feb 2020 16:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	31.2	15.4	46.1

