

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065159.D
 Acq On : 12 Feb 2020 11:31
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Feb 13 06:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

2/13/2020 10:58:56 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200534	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.92	113	201347	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	802839	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	243951	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79284	19.669	ug/l	98
3) Chloromethane	2.21	50	104124	21.944	ug/l	92
4) Vinyl Chloride	2.35	62	105842	21.092	ug/l	99
5) Bromomethane	2.76	94	63845	19.622	ug/l	95
6) Chloroethane	2.92	64	64904	20.851	ug/l	97
7) Trichlorofluoromethane	3.27	101	153181	20.976	ug/l	96
8) Diethyl Ether	3.71	74	37615	17.942	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92625	20.747	ug/l	99
10) Methyl Iodide	4.29	142	84764	16.635	ug/l	97
11) Tert butyl alcohol	5.25	59	22881	90.967	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	86705	20.279	ug/l	98
13) Acrolein	3.93	56	24463	79.072	ug/l	95
14) Allyl chloride	4.71	41	136432	19.199	ug/l	99
15) Acrylonitrile	5.43	53	84435	92.122	ug/l	99
16) Acetone	4.16	43	86600	84.137	ug/l	94
17) Carbon Disulfide	4.40	76	280585	20.438	ug/l	98
18) Methyl Acetate	4.72	43	44801	20.833	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	162594	17.197	ug/l	93
20) Methylene Chloride	4.96	84	99087	19.457	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	95759	19.795	ug/l	92
22) Diisopropyl ether	6.37	45	259662	19.372	ug/l #	95
23) Vinyl Acetate	6.31	43	664078	88.887	ug/l	100
24) 1,1-Dichloroethane	6.26	63	163114	20.105	ug/l	98
25) 2-Butanone	7.22	43	106257	86.545	ug/l	97
26) 2,2-Dichloropropane	7.21	77	148278	20.390	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	100321	19.521	ug/l	99
28) Bromochloromethane	7.54	49	57391	18.661	ug/l	100
29) Tetrahydrofuran	7.57	42	65842	88.679	ug/l	98
30) Chloroform	7.71	83	169928	21.035	ug/l	96
31) Cyclohexane	7.99	56	160149	19.555	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	156018	20.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135732	20.383	ug/l	98
37) Ethyl Acetate	7.30	43	48580	17.857	ug/l	98
38) Carbon Tetrachloride	8.09	117	138833	20.413	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065159.D
 Acq On : 12 Feb 2020 11:31
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Feb 13 06:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

2/13/2020 10:58:56 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156867	19.085	ug/l	99
40) Benzene	8.35	78	373986	20.338	ug/l	100
41) Methacrylonitrile	7.53	41	27549	18.381	ug/l	95
42) 1,2-Dichloroethane	8.43	62	100646	19.208	ug/l	99
43) Isopropyl Acetate	8.46	43	90588	17.407	ug/l	98
44) Trichloroethene	9.11	130	106157	20.112	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90946	20.628	ug/l	90
46) Dibromomethane	9.48	93	46503	20.072	ug/l	95
47) Bromodichloromethane	9.66	83	127968	20.963	ug/l	96
48) Methyl methacrylate	9.46	41	43275	17.281	ug/l	97
49) 1,4-Dioxane	9.47	88	9712	353.926	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	233098	90.999	ug/l	99
52) Toluene	10.41	92	239819	20.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	111456	18.752	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	140062	19.703	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63076	19.849	ug/l	95
56) Ethyl methacrylate	10.67	69	69143	17.196	ug/l	98
57) 1,3-Dichloropropane	10.95	76	110320	19.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	117288	77.140	ug/l	99
59) 2-Hexanone	10.99	43	160477	88.447	ug/l	100
60) Dibromochloromethane	11.14	129	81034	19.687	ug/l	98
61) 1,2-Dibromoethane	11.25	107	60010	19.326	ug/l	98
64) Tetrachloroethene	10.88	164	92624	20.194	ug/l	97
65) Chlorobenzene	11.67	112	246213	19.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	89020	19.536	ug/l	97
67) Ethyl Benzene	11.75	91	445210	19.849	ug/l	96
68) m/p-Xylenes	11.86	106	338089	39.492	ug/l	97
69) o-Xylene	12.18	106	146353	18.984	ug/l	97
70) Styrene	12.20	104	262506	19.591	ug/l	99
71) Bromoform	12.37	173	47124	19.214	ug/l #	99
73) Isopropylbenzene	12.48	105	410939	19.379	ug/l	100
74) N-amyl acetate	12.30	43	78942	17.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65367	19.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	42192m	18.038	ug/l	
77) Bromobenzene	12.77	156	97610	19.105	ug/l	99
78) n-propylbenzene	12.83	91	499678	20.121	ug/l	100
79) 2-Chlorotoluene	12.91	91	276146	19.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	343444	19.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	20762	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	290905	20.010	ug/l	100
83) tert-Butylbenzene	13.23	119	284261	18.993	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	338390	19.648	ug/l	99
85) sec-Butylbenzene	13.41	105	411477	20.129	ug/l	99
86) p-Isopropyltoluene	13.53	119	379091	19.960	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191899	20.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191603	20.125	ug/l	98
89) n-Butylbenzene	13.86	91	347978	19.850	ug/l	100
90) Hexachloroethane	14.12	117	74844	20.810	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	158508	19.346	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10334	18.968	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
Data File : VD065159.D
Acq On : 12 Feb 2020 11:31
Operator : VA/SY
Sample : VD0212SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Manual Integrations
APPROVED

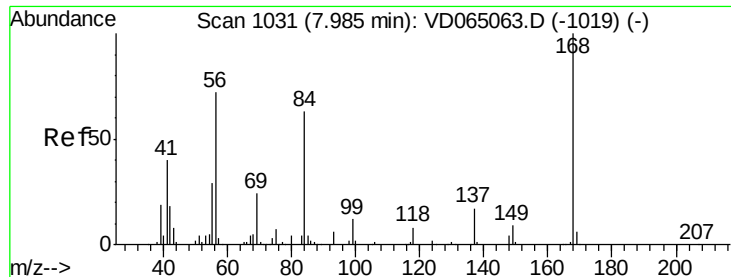
MMDadoda

2/13/2020 10:58:56 AM

Quant Time: Feb 13 06:30:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108481	18.524	ug/l	98
94) Hexachlorobutadiene	15.28	225	71217	19.778	ug/l	100
95) Naphthalene	15.41	128	157938	16.226	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	92711	18.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion:168 Resp: 484379

Ion Ratio Lower Upper

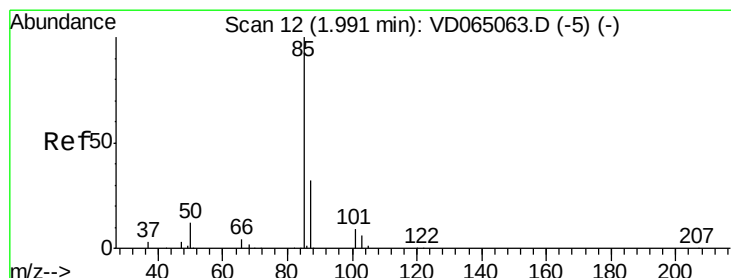
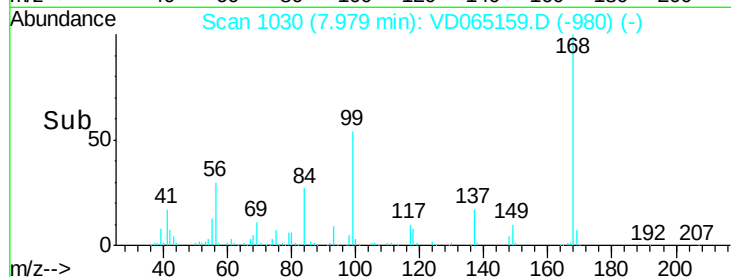
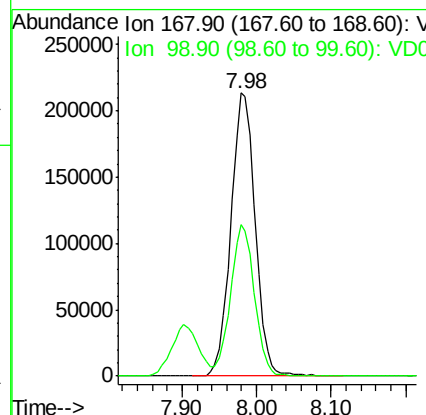
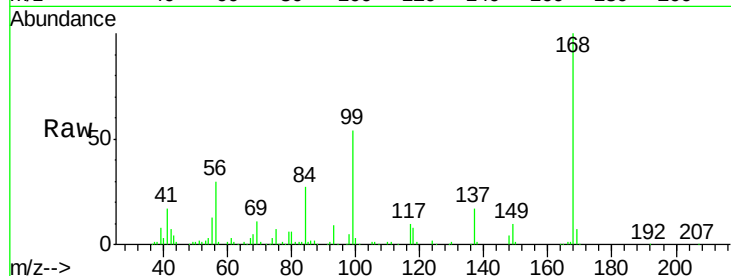
168 100

99 53.4 41.0 61.6

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#2

Dichlorodifluoromethane

Concen: 19.669 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065159.D

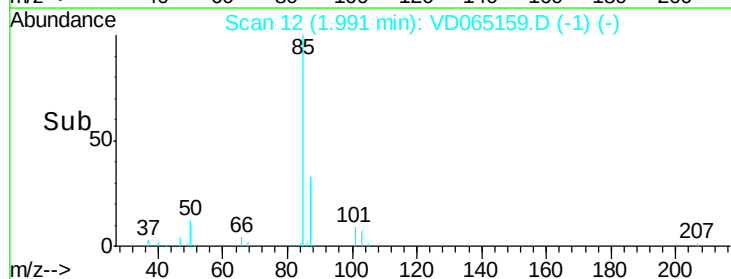
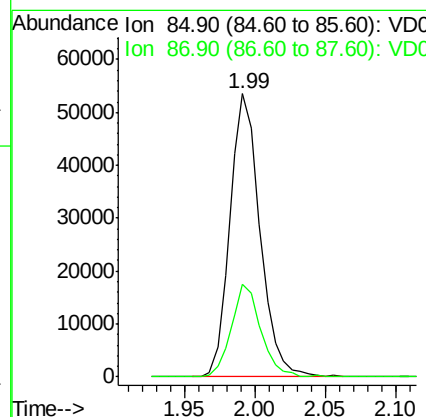
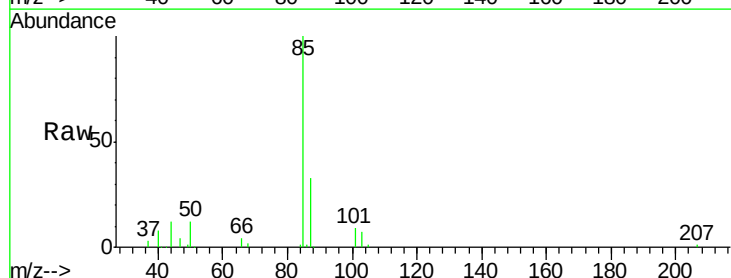
Acq: 12 Feb 2020 11:31

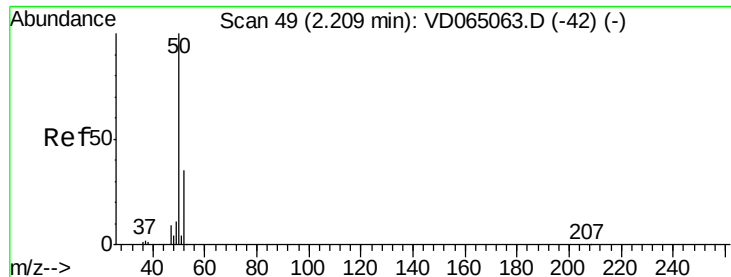
Tgt Ion: 85 Resp: 79284

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3





#3

Chloromethane

Concen: 21.944 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tot Ion: 50 Resp: 104124

Ion Ratio Lower Upper

50 100

52 30.2 27.8 41.6

Instrument :

MSVOA_D

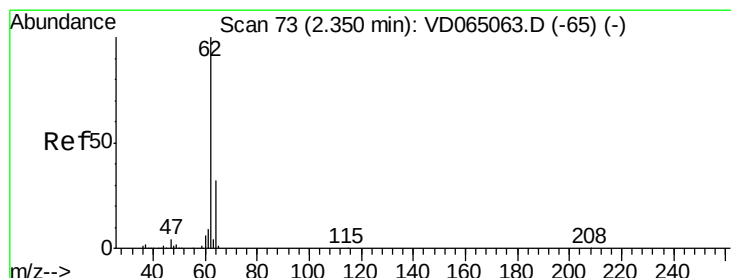
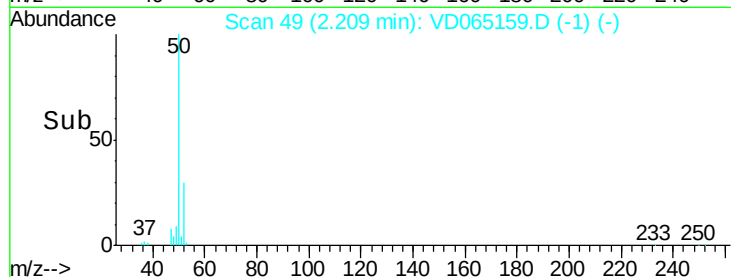
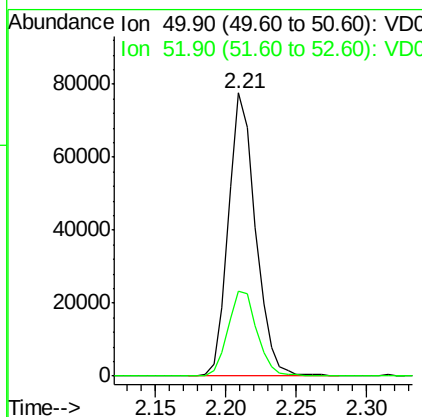
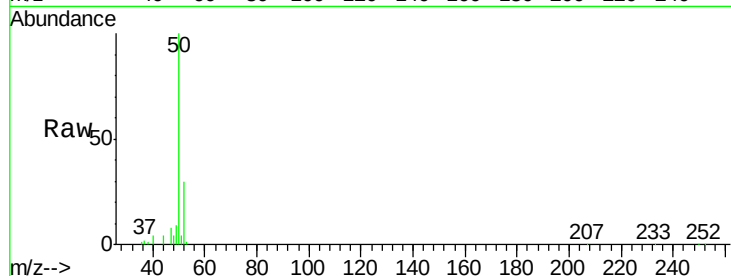
ClientSampleId :

VD0212SBS01

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#4

Vinyl Chloride

Concen: 21.092 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065159.D

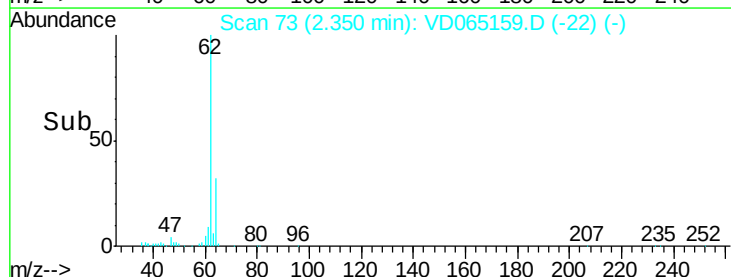
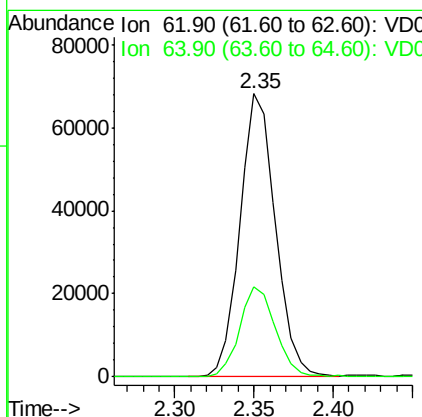
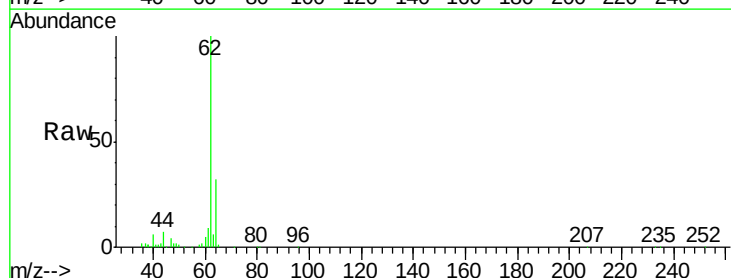
Acq: 12 Feb 2020 11:31

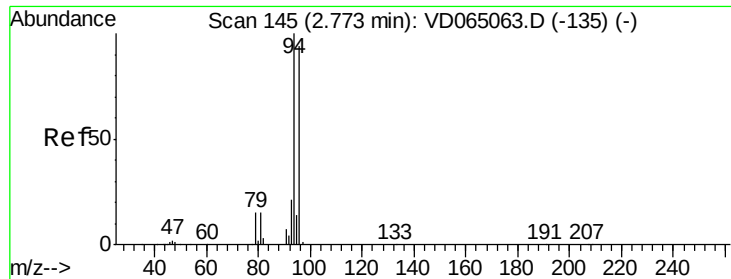
Tgt Ion: 62 Resp: 105842

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 19.622 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 94 Resp: 63845

Ion Ratio Lower Upper

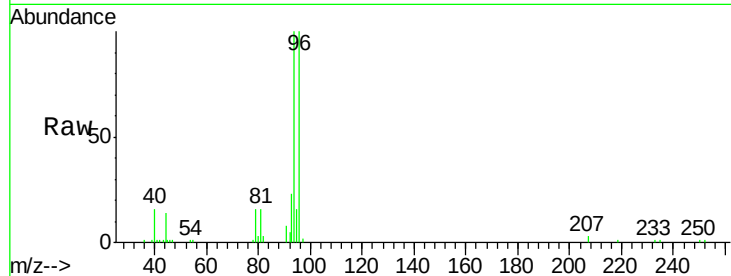
94 100

96 98.8 75.4 113.0

Manual Integrations
APPROVED

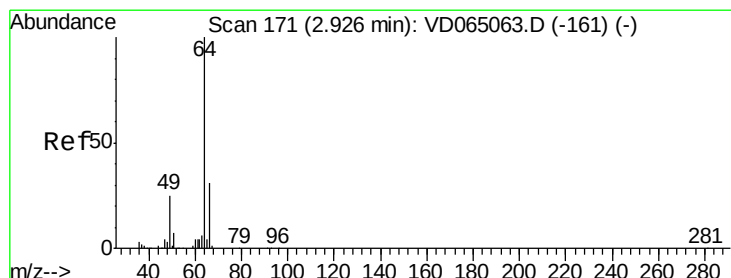
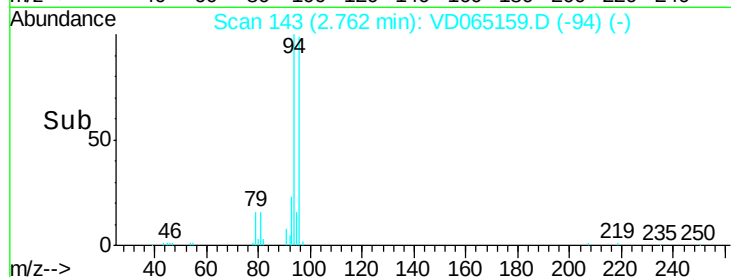
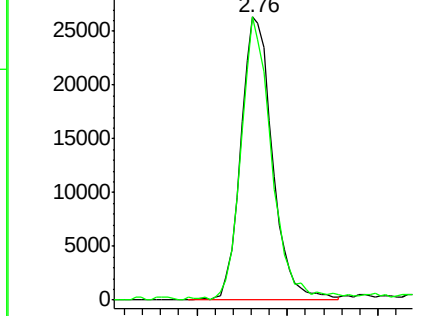
MMDadoda

2/13/2020 10:58:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.851 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065159.D

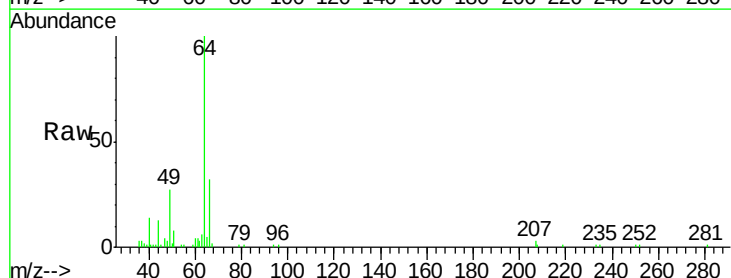
Acq: 12 Feb 2020 11:31

Tgt Ion: 64 Resp: 64904

Ion Ratio Lower Upper

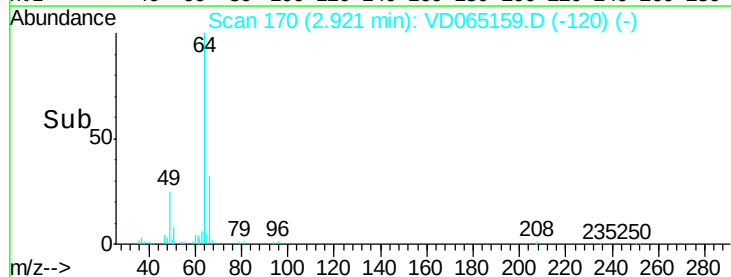
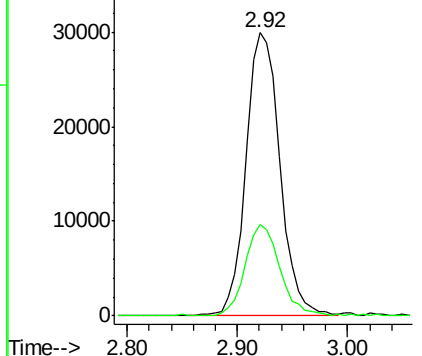
64 100

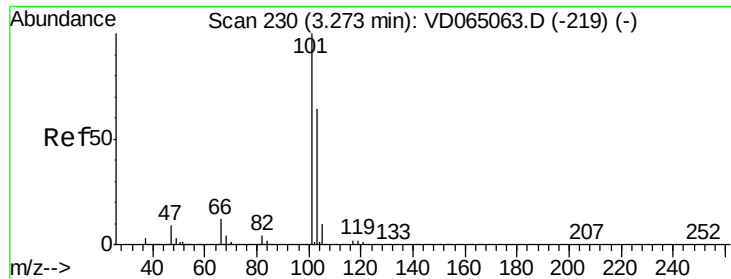
66 32.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane
 Concen: 20.976 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

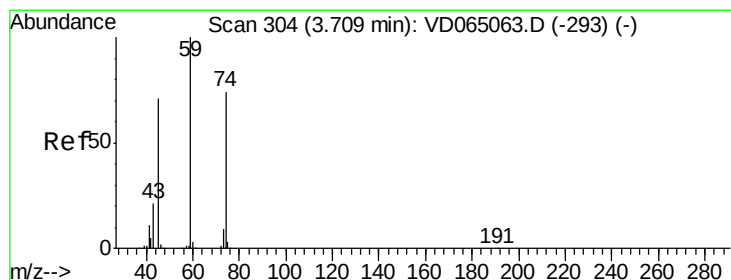
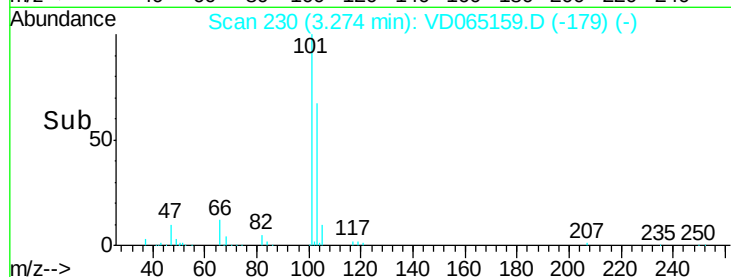
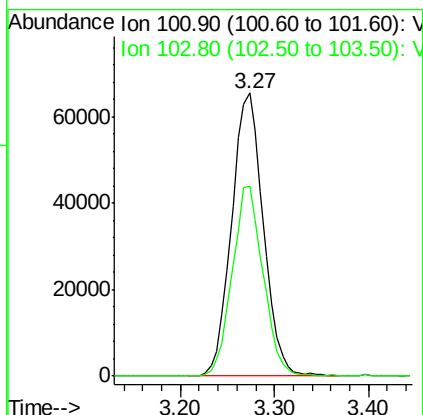
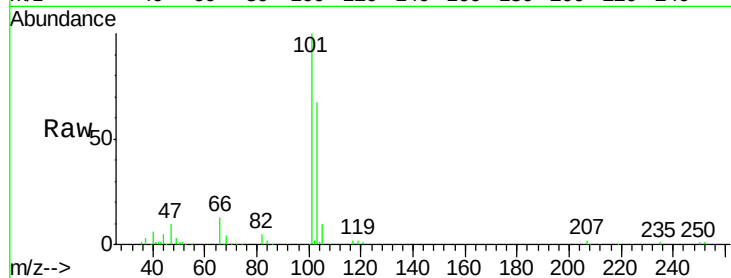
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.0	76.6

Manual Integrations
 APPROVED

MMDadoda

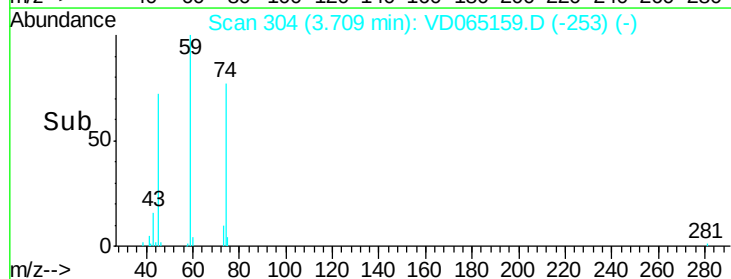
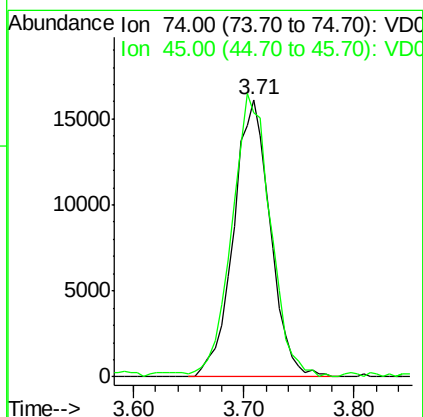
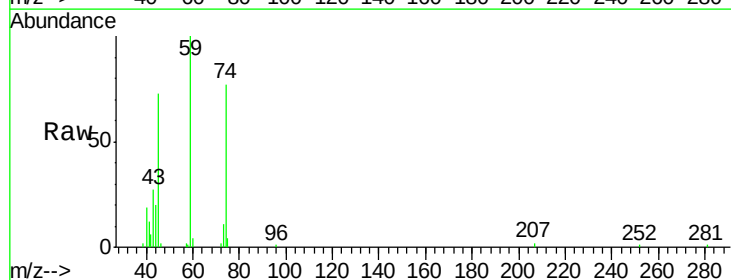
2/13/2020 10:58:56 AM

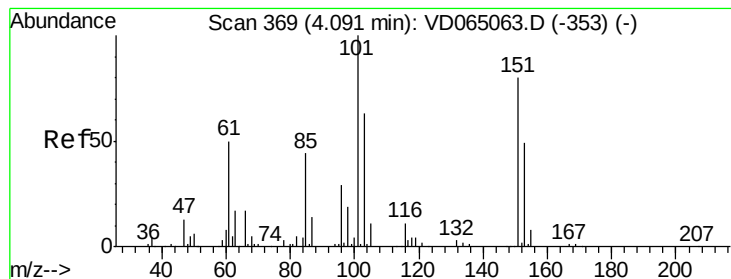


#8

Diethyl Ether
 Concen: 17.942 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.747 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

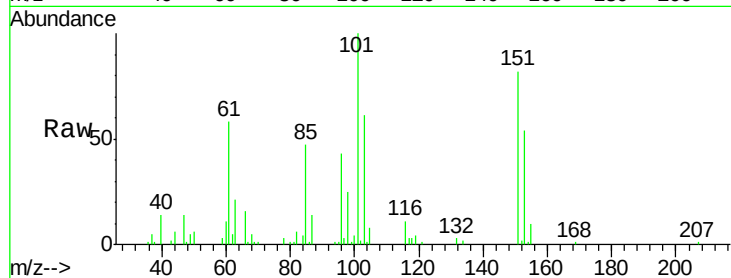
VD0212SBS01

Tot Ion:	101	Resp:	92625
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.0	51.0
151	78.8	64.0	96.0

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM

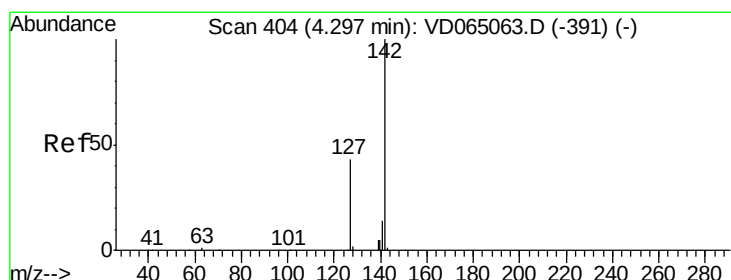
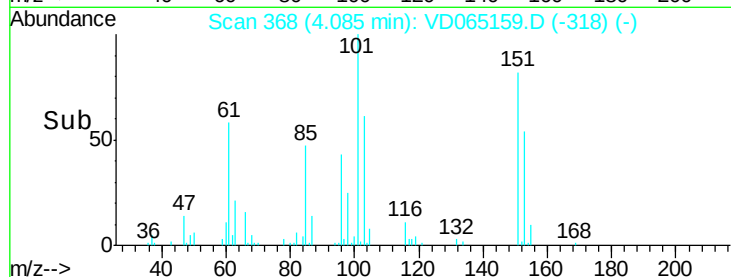
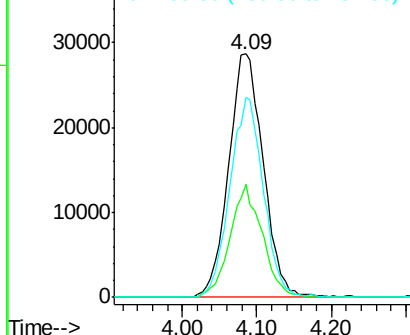


Abundance

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: 16.635 ug/l

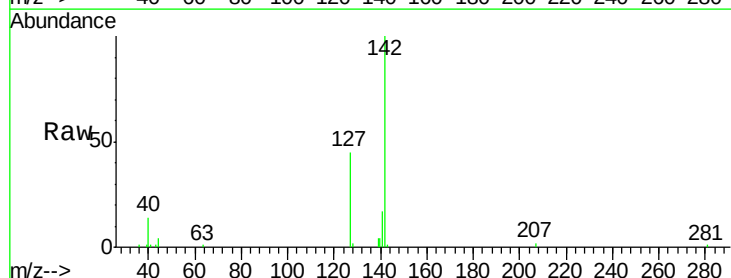
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion:	142	Resp:	84764
Ion Ratio	Lower	Upper	
142	100		
127	44.6	34.0	51.0
141	14.8	11.6	17.4

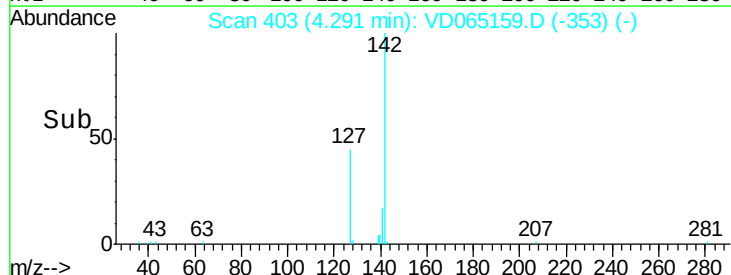
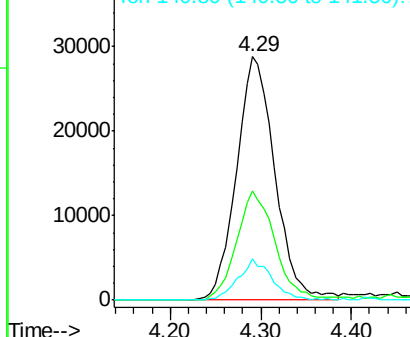


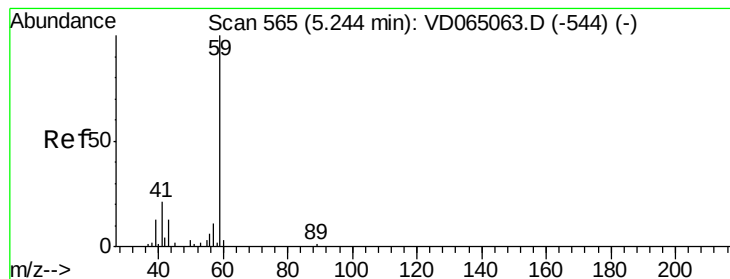
Abundance

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: 90.967 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

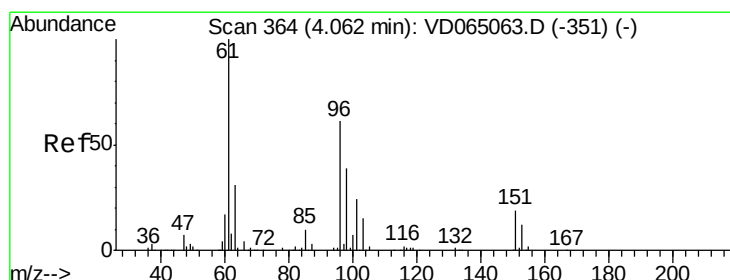
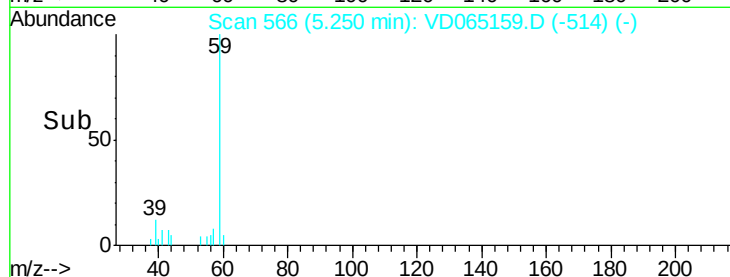
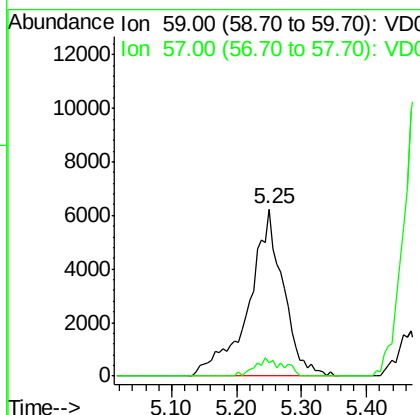
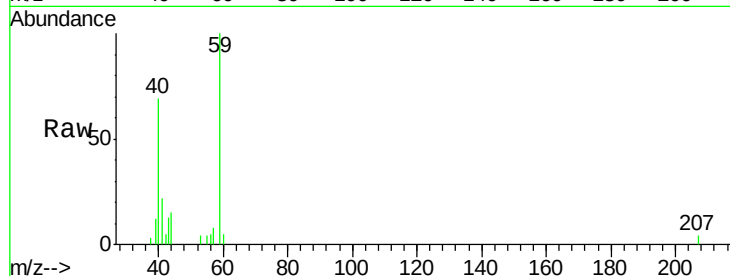
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda

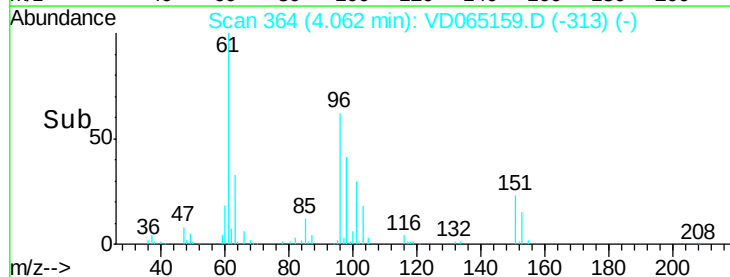
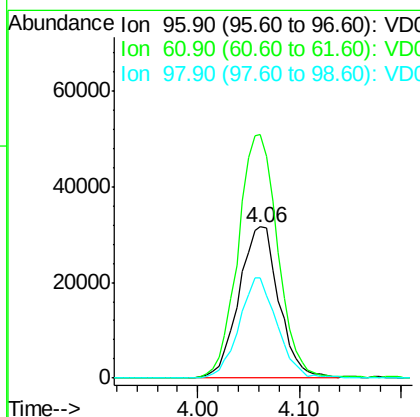
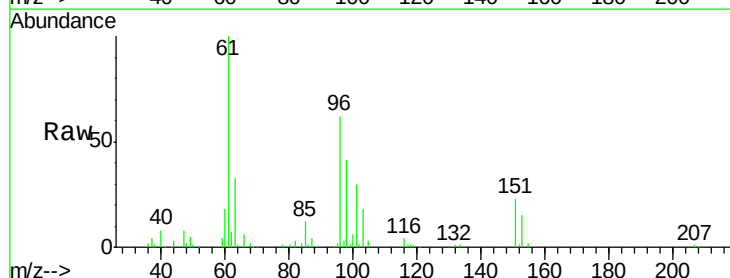
2/13/2020 10:58:56 AM

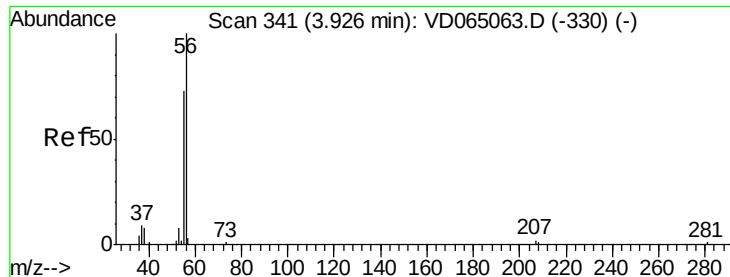


#12

1,1-Dichloroethene
Concen: 20.279 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.4	197.2
98	66.1	51.1	76.7





#13

Acrolein

Concen: 79.072 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tot Ion: 56 Resp: 24463

Ion Ratio Lower Upper

56 100

55 68.6 58.2 87.2

Instrument :

MSVOA_D

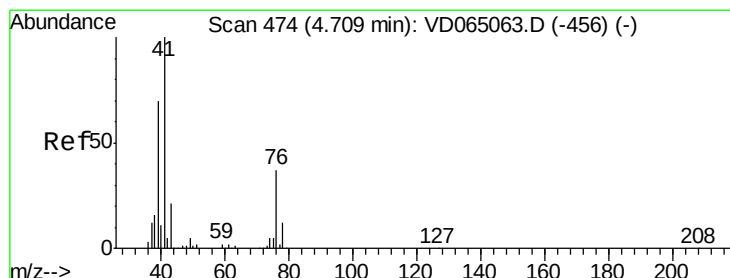
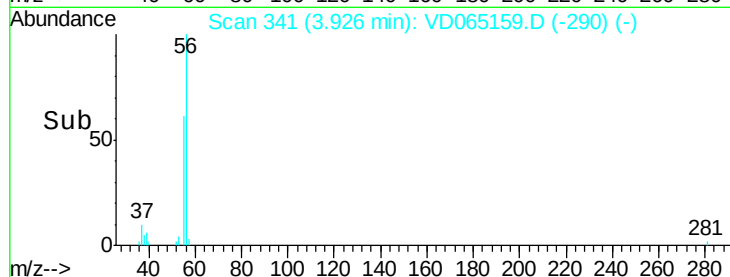
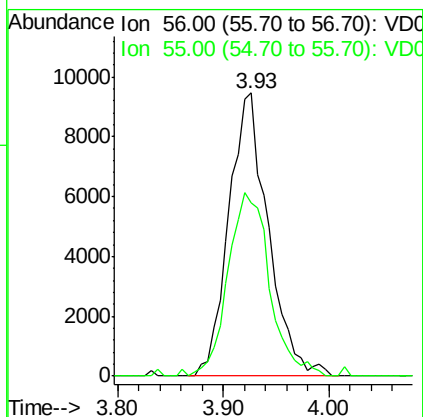
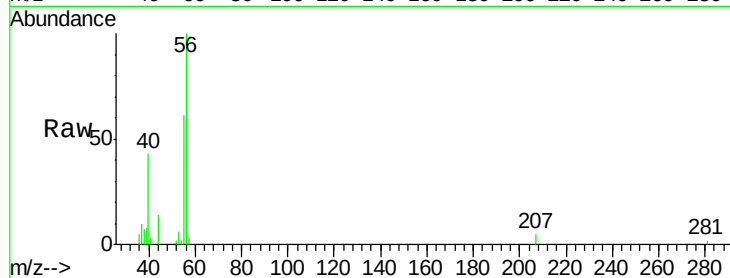
ClientSampleId :

VD0212SBS01

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#14

Allyl chloride

Concen: 19.199 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

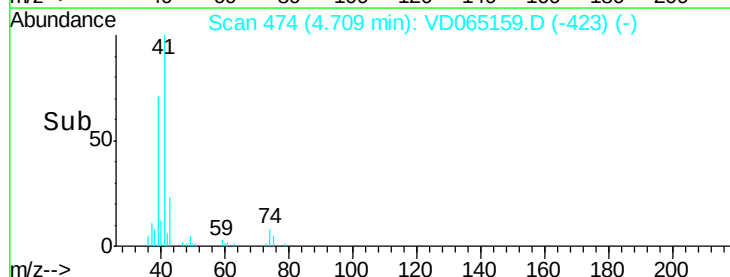
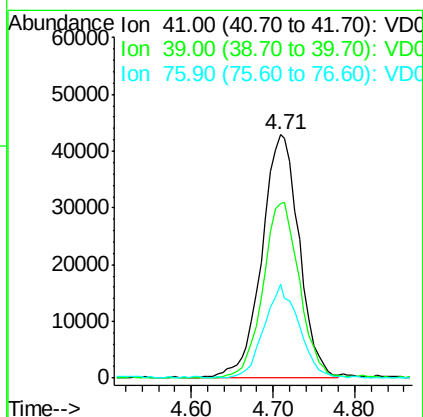
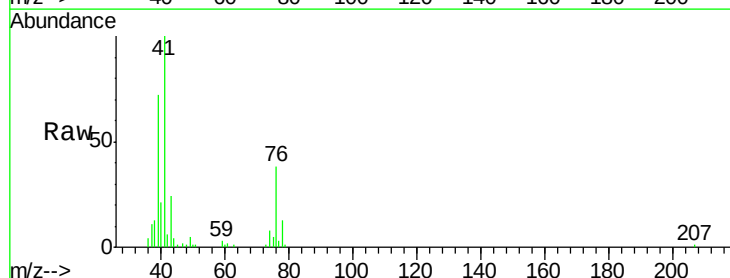
Tgt Ion: 41 Resp: 136432

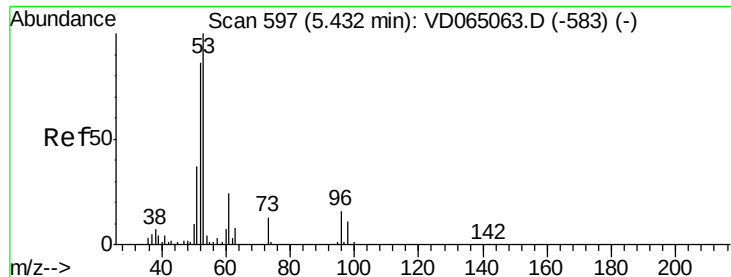
Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 92.122 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

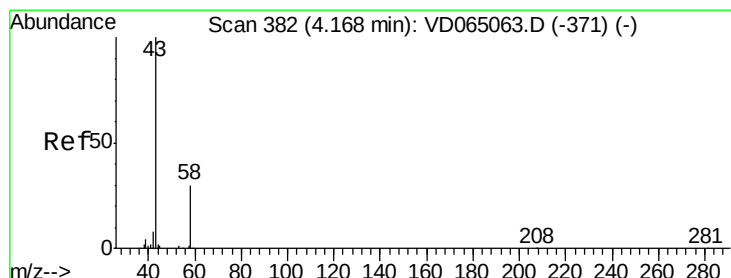
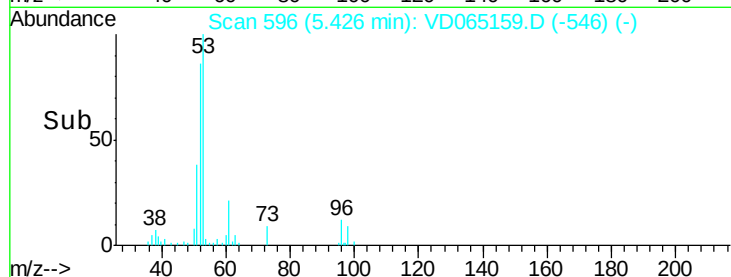
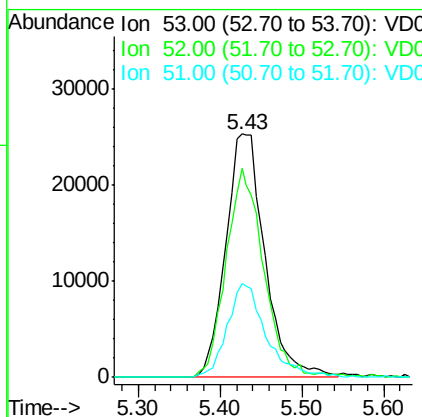
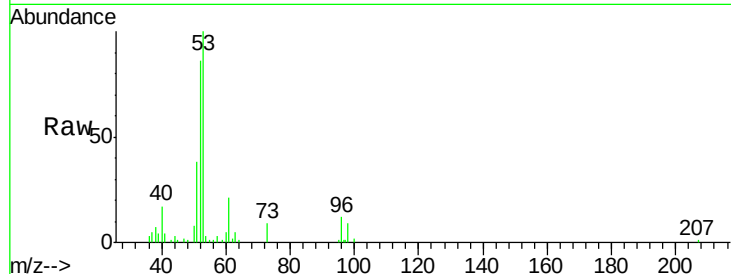
VD0212SBS01

Tot Ion:	53	Resp:	84435
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.2
51	37.9	30.4	45.6

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#16

Acetone

Concen: 84.137 ug/l

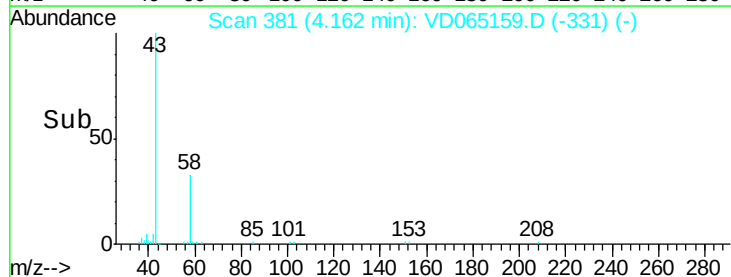
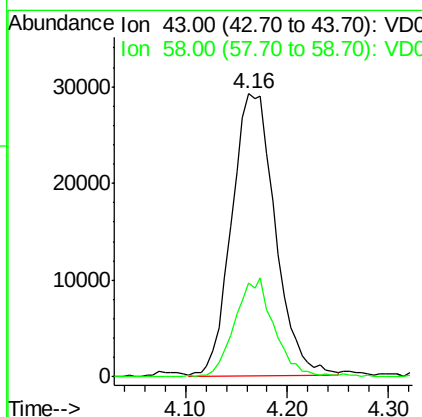
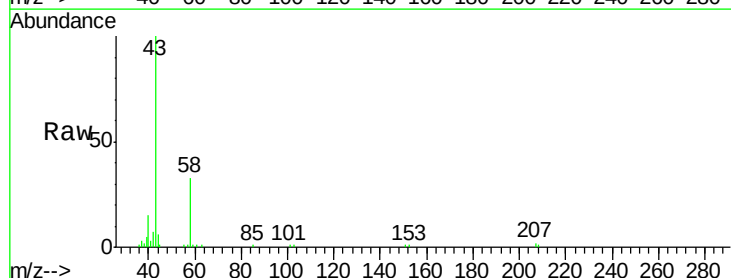
RT: 4.16 min Scan# 381

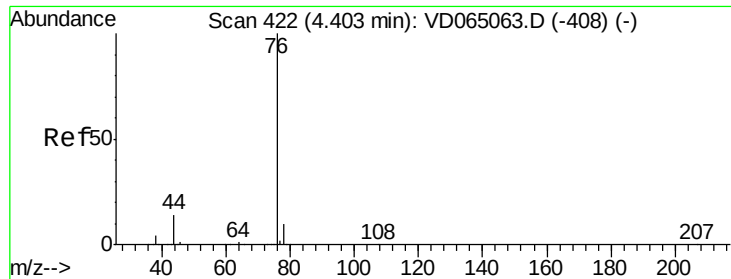
Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion:	43	Resp:	86600
Ion Ratio	Lower	Upper	
43	100		
58	32.7	23.5	35.3





#17
Carbon Disulfide
Concen: 20.438 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

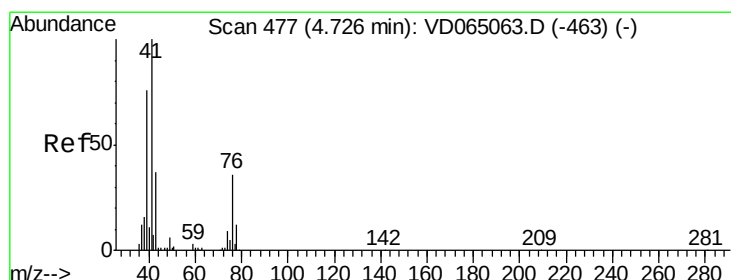
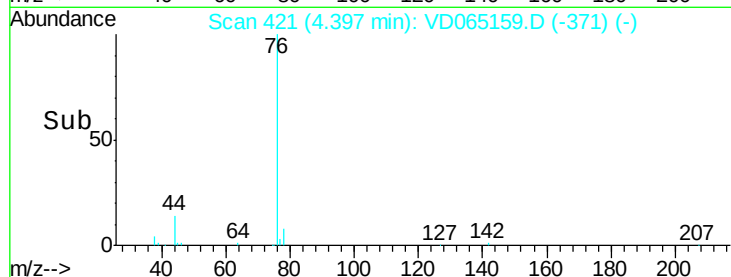
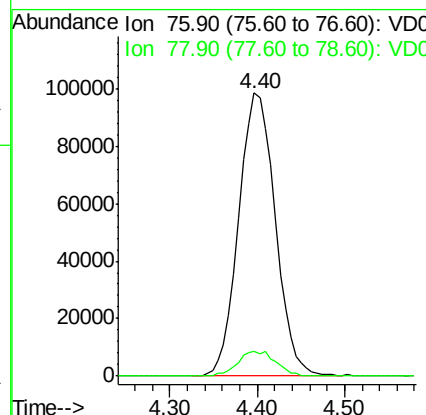
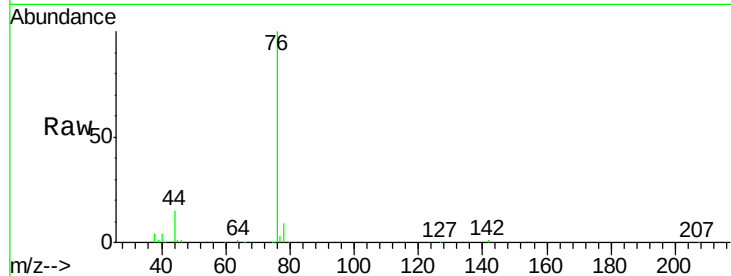
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

Manual Integrations
APPROVED

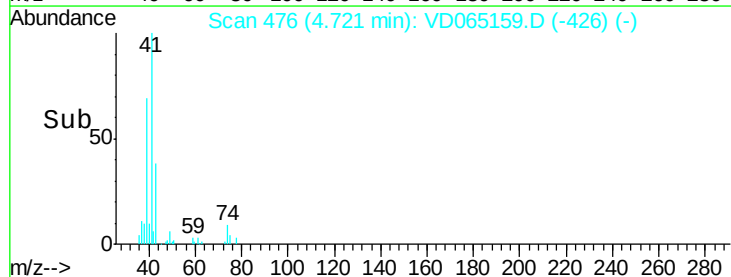
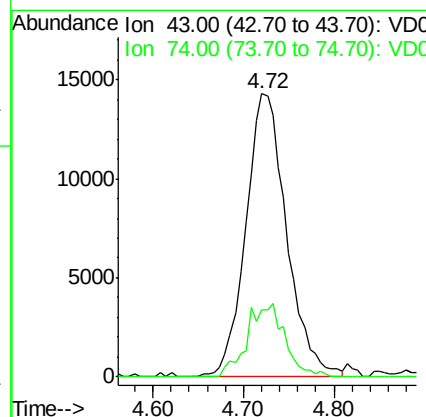
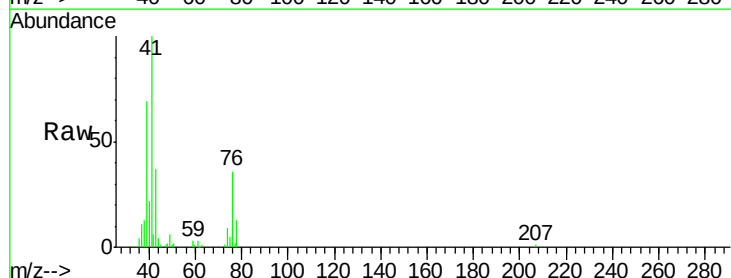
MMDadoda

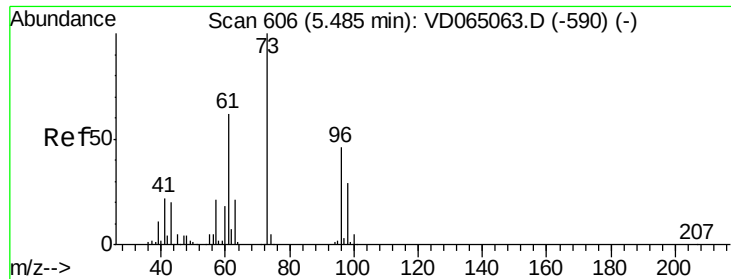
2/13/2020 10:58:56 AM



#18
Methyl Acetate
Concen: 20.833 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.7	28.1





#19
Methyl tert-butyl Ether
Concen: 17.197 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

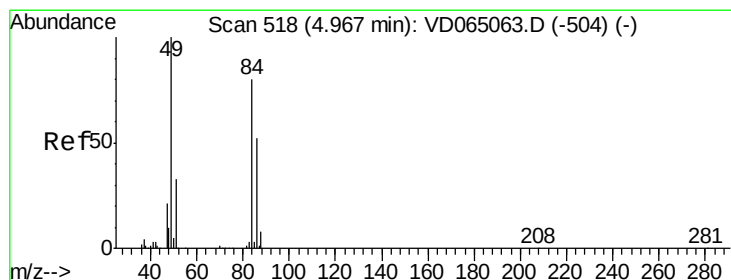
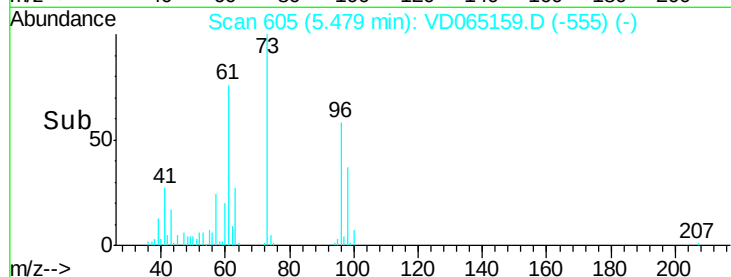
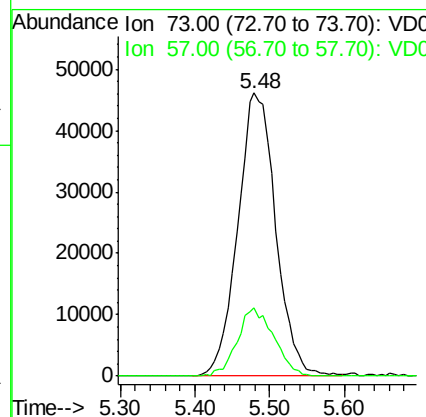
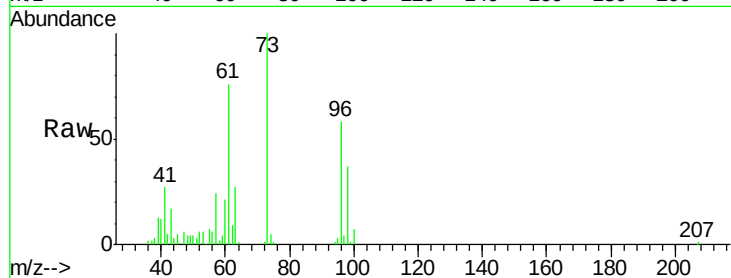
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion: 73 Resp: 162594
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2

Manual Integrations
APPROVED

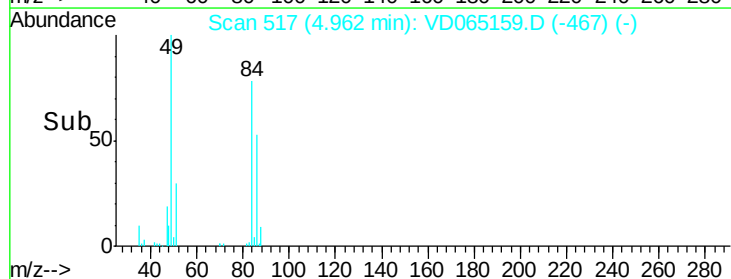
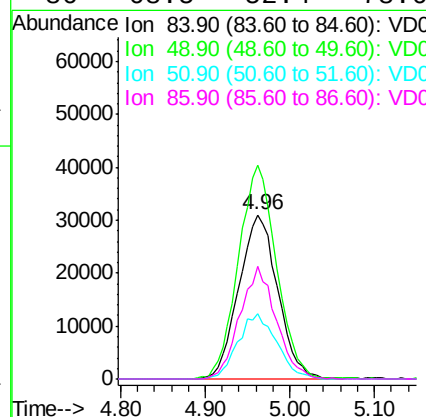
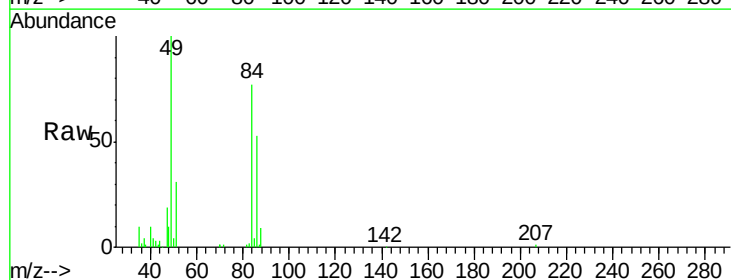
MMDadoda

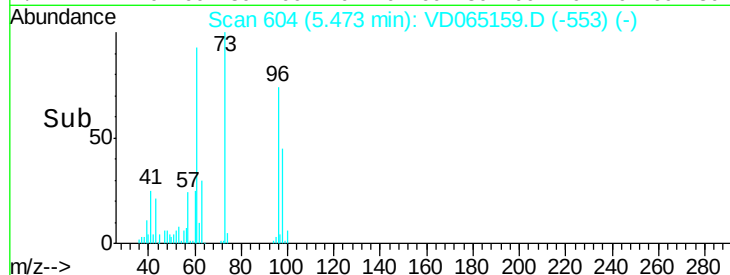
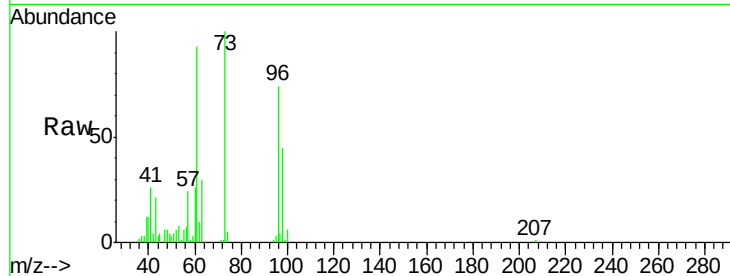
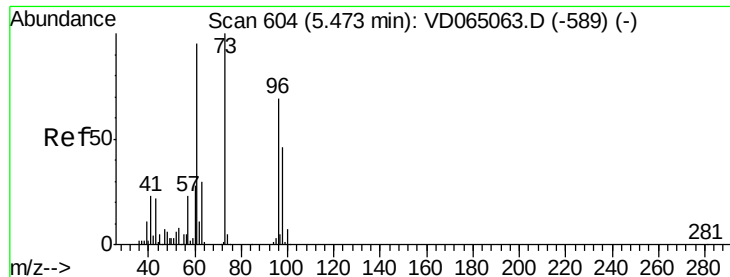
2/13/2020 10:58:56 AM



#20
Methylene Chloride
Concen: 19.457 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion: 84 Resp: 99087
Ion Ratio Lower Upper
84 100
49 130.1 100.4 150.6
51 39.7 32.7 49.1
86 68.5 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.795 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

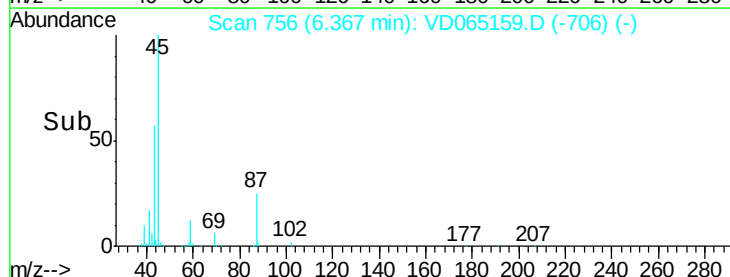
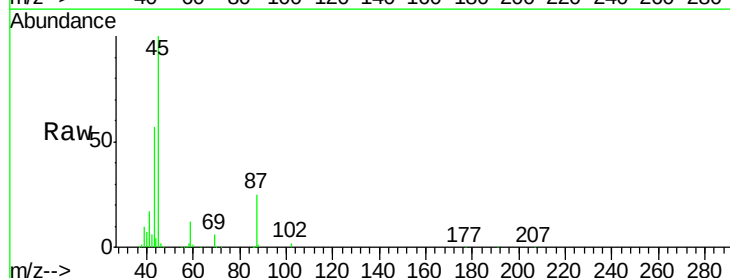
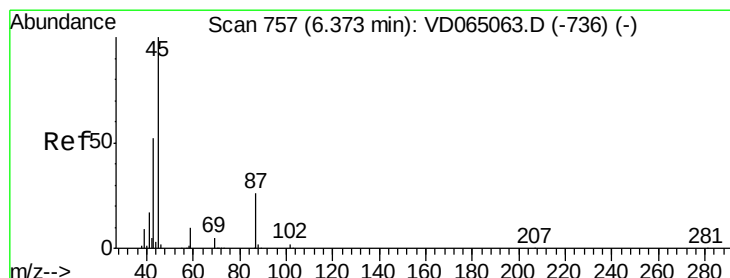
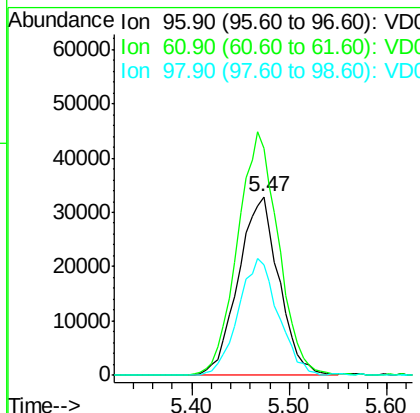
Tot Ion:	96	Resp:	95759
Ion	Ratio	Lower	Upper
96	100		
61	126.5	109.5	164.3
98	61.6	53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#22

Diisopropyl ether

Concen: 19.372 ug/l

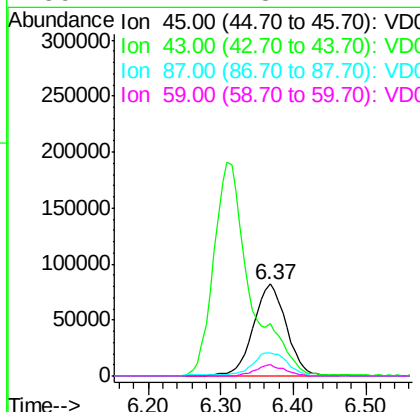
RT: 6.37 min Scan# 756

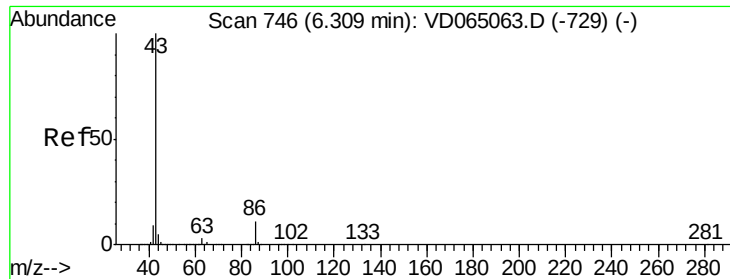
Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion:	45	Resp:	259662
Ion	Ratio	Lower	Upper
45	100		
43	56.4	41.3	61.9
87	25.0	21.0	31.6
59	12.4	8.2	12.4#





#23
 Vinyl Acetate
 Concen: 88.887 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

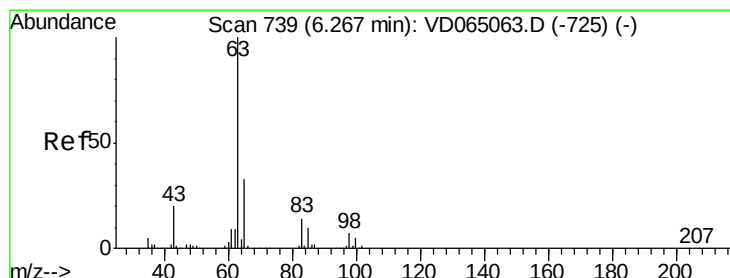
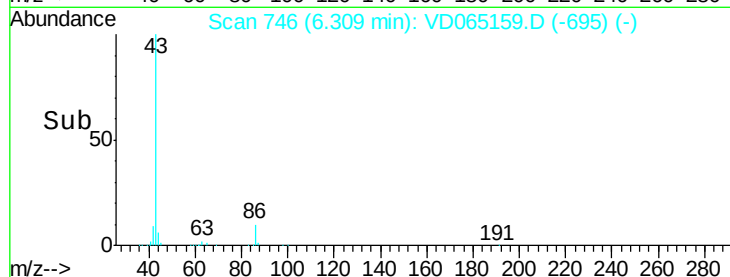
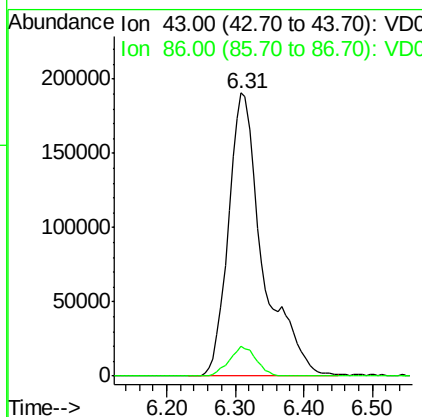
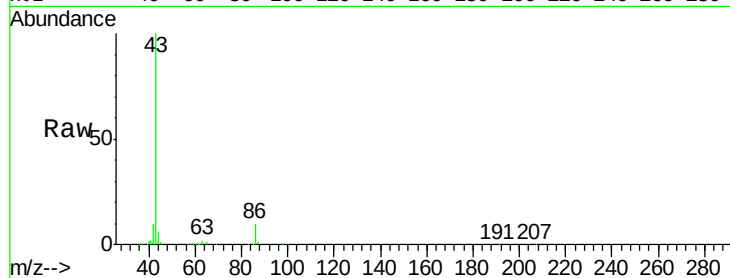
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7

Manual Integrations
 APPROVED

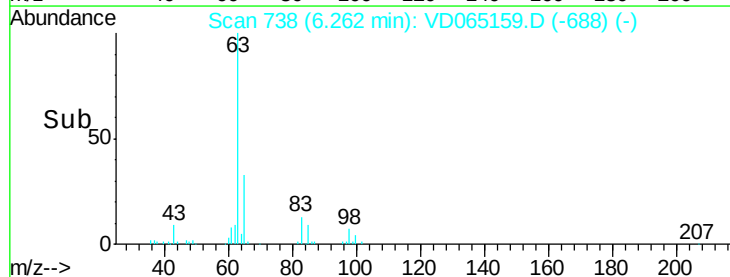
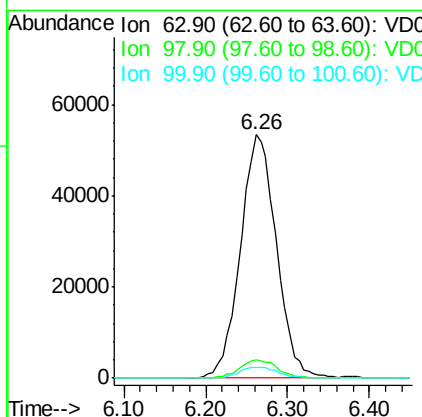
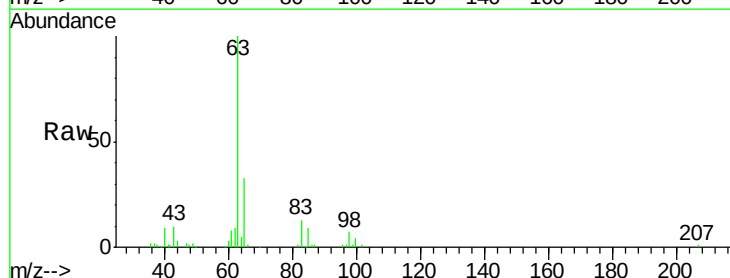
MMDadoda

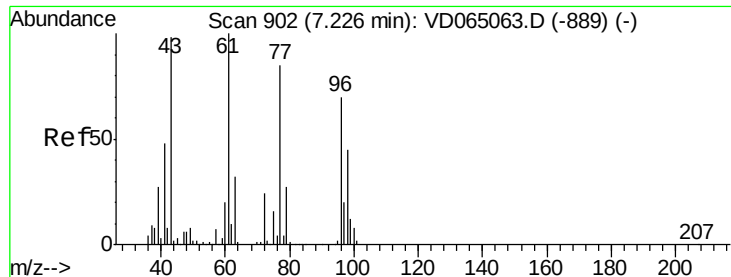
2/13/2020 10:58:56 AM



#24
 1,1-Dichloroethane
 Concen: 20.105 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.4
100	4.2	2.5	7.6





#25

2-Butanone

Concen: 86.545 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 43 Resp: 106257

Ion Ratio Lower Upper

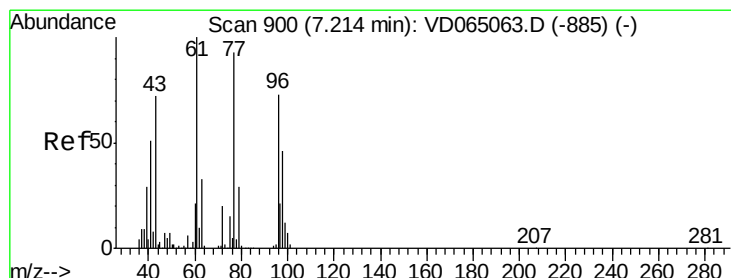
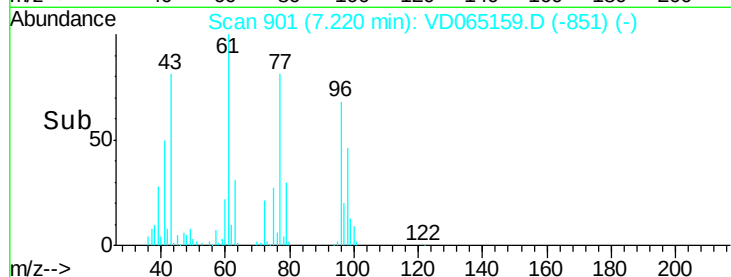
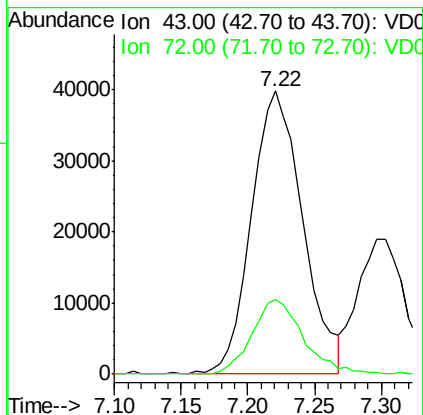
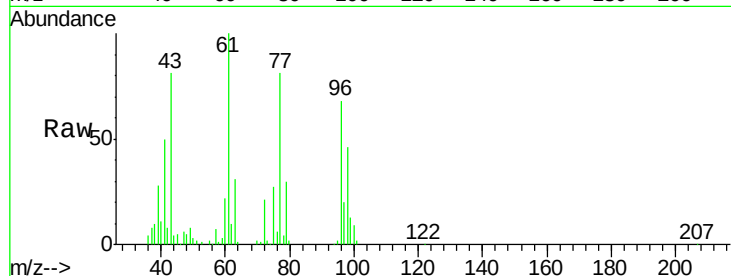
43 100

72 26.5 19.9 29.9

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#26

2,2-Dichloropropane

Concen: 20.390 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065159.D

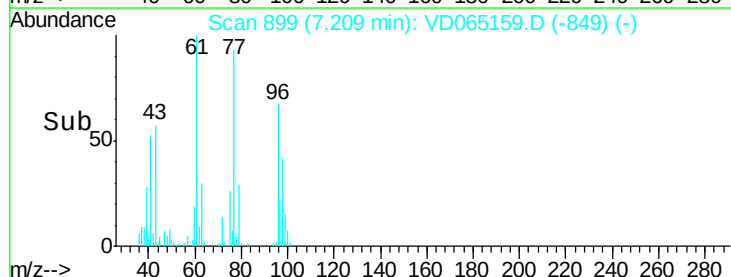
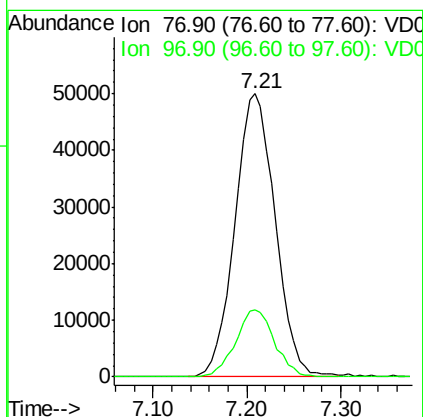
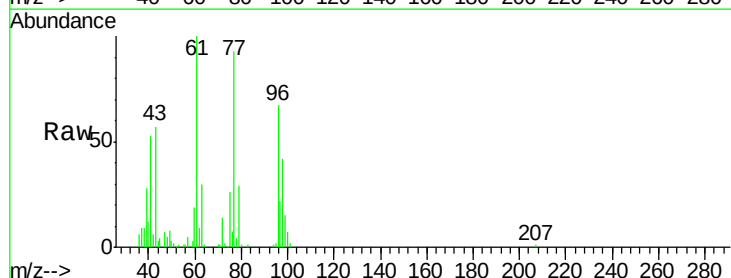
Acq: 12 Feb 2020 11:31

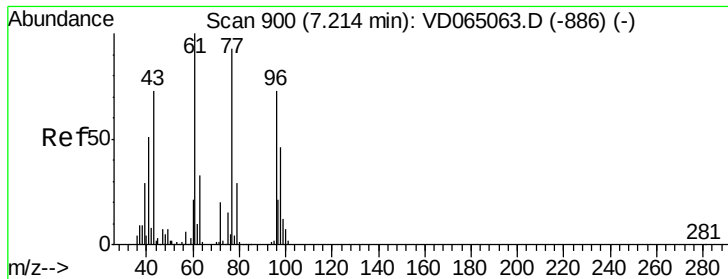
Tgt Ion: 77 Resp: 148278

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 19.521 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

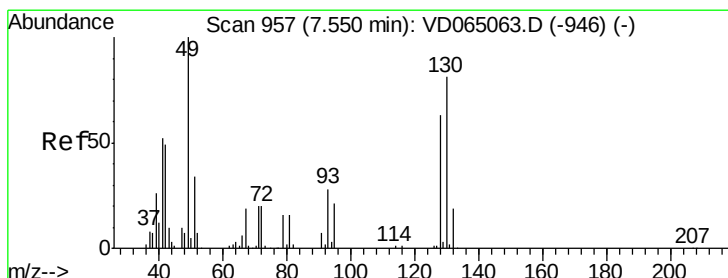
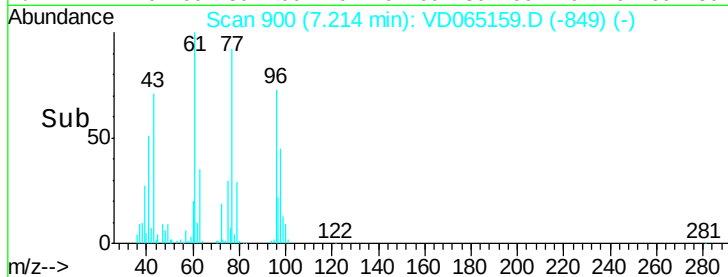
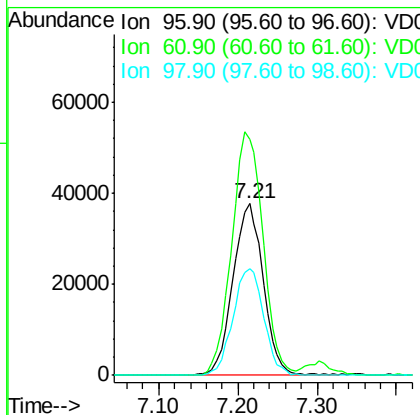
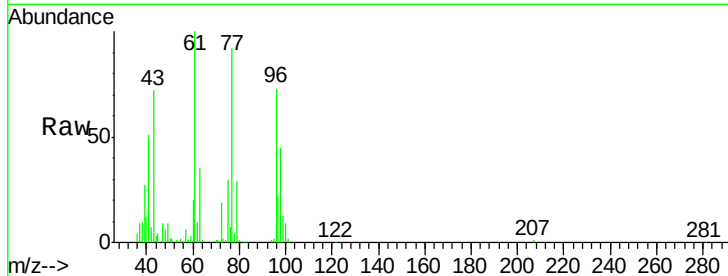
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.8	0.0	292.8	
98	62.9	0.0	128.8	

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#28

Bromochloromethane

Concen: 18.661 ug/l

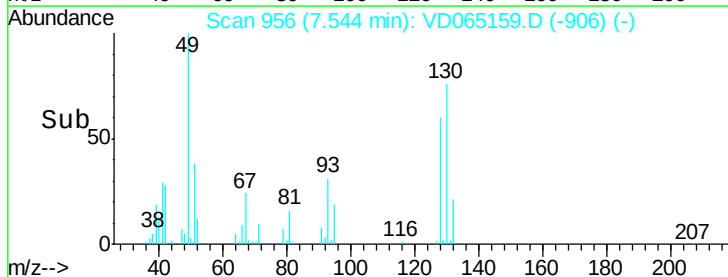
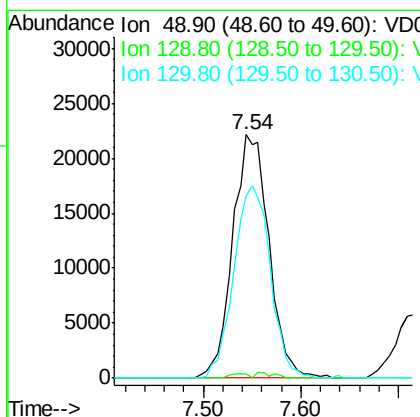
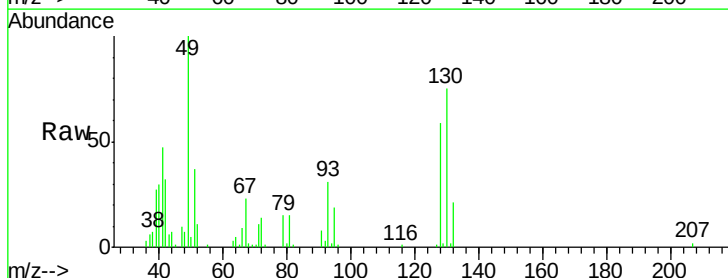
RT: 7.54 min Scan# 956

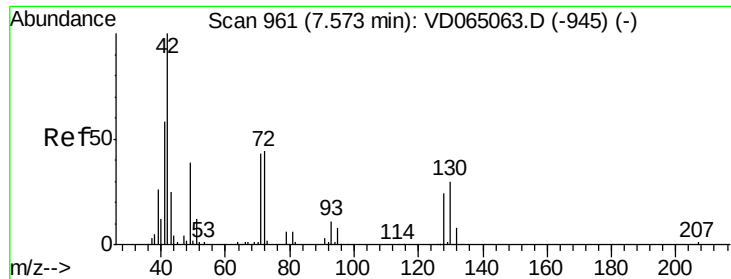
Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	4.4	
130	79.5	63.8	95.8	





#29
Tetrahydrofuran
Concen: 88.679 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

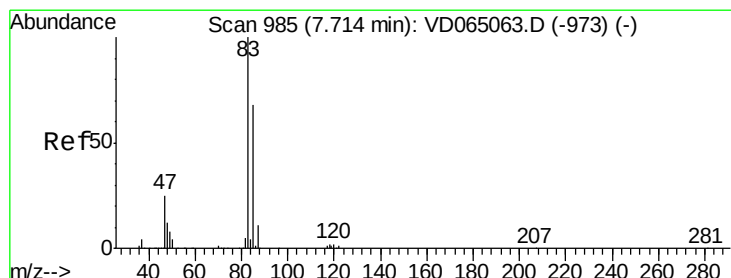
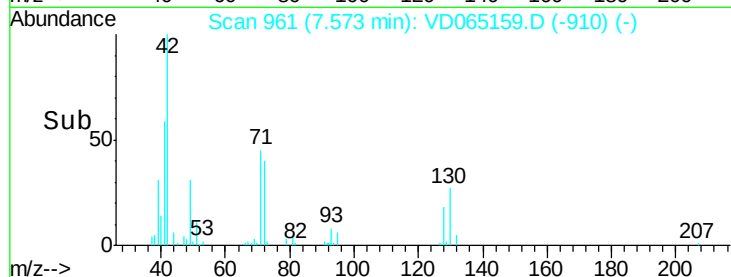
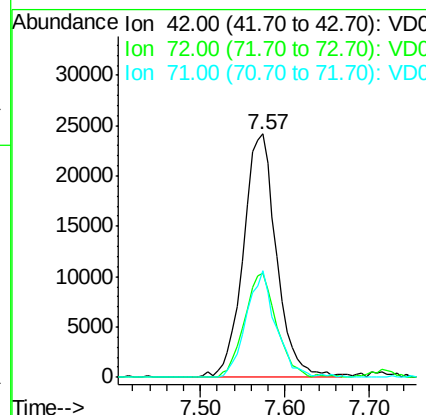
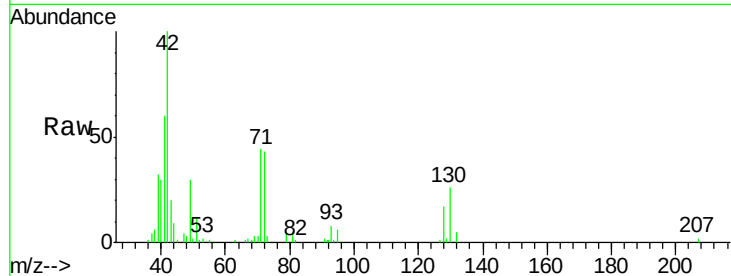
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion:	42	Resp:	65842
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.2	51.4
71	39.0	31.8	47.6

Manual Integrations
APPROVED

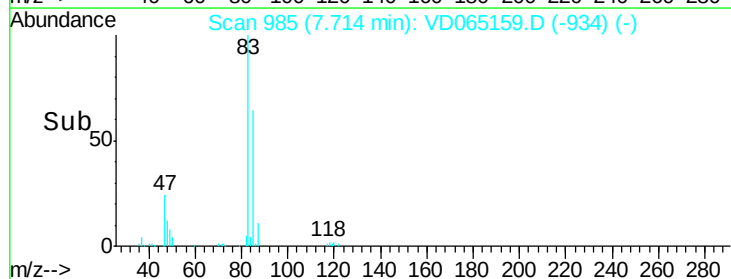
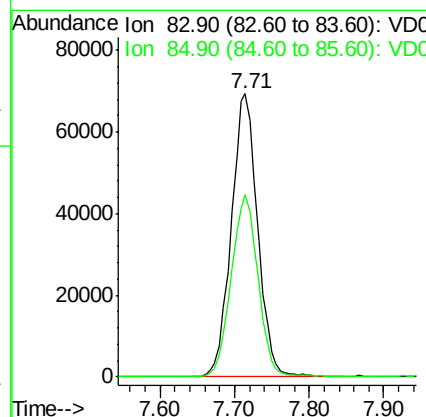
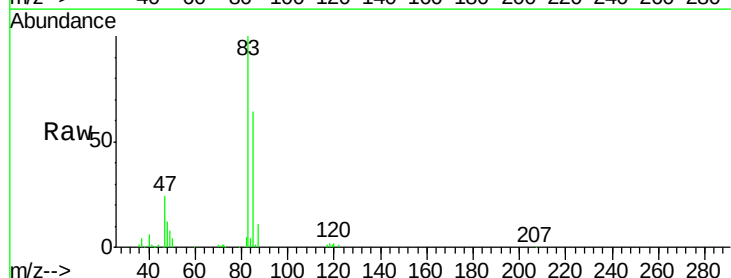
MMDadoda

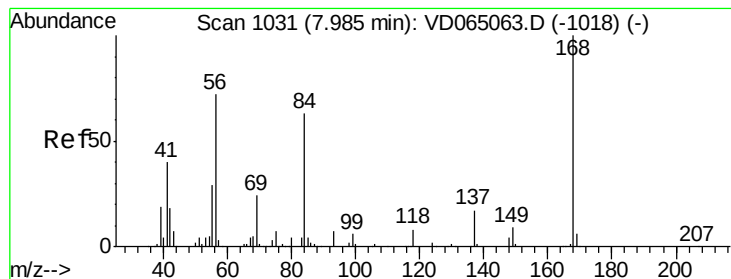
2/13/2020 10:58:56 AM



#30
Chloroform
Concen: 21.035 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:	83	Resp:	169928
Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4





#31

Cyclohexane

Concen: 19.555 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 56 Resp: 160149

Ion Ratio Lower Upper

56 100

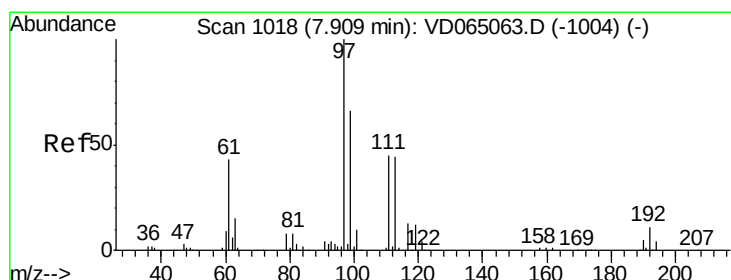
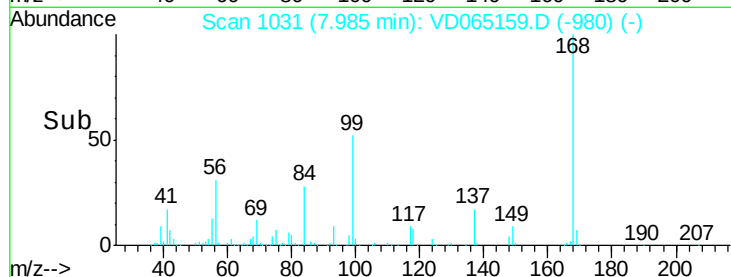
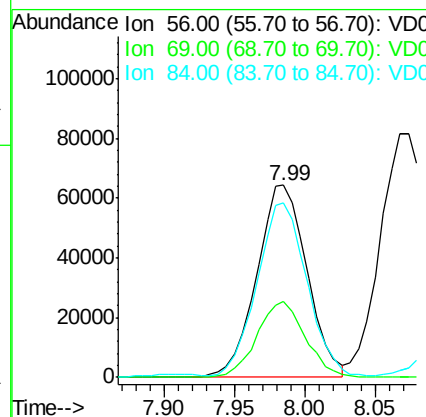
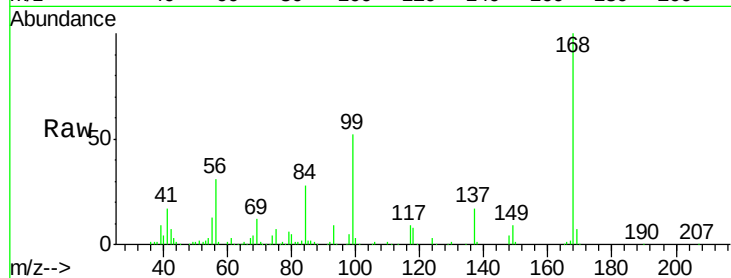
69 39.4 26.6 40.0

84 89.8 70.6 106.0

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#32

1,1,1-Trichloroethane

Concen: 20.733 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

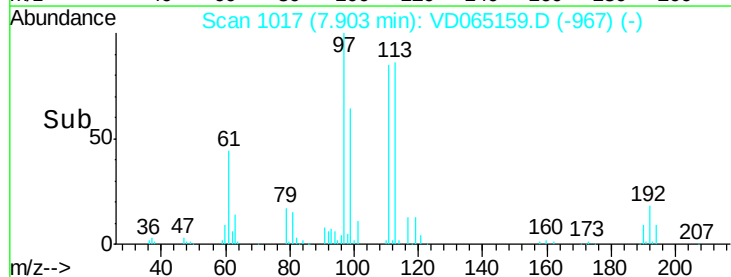
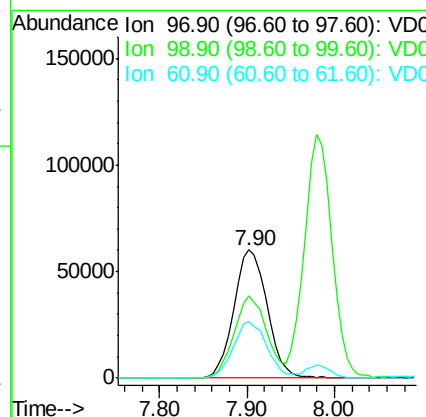
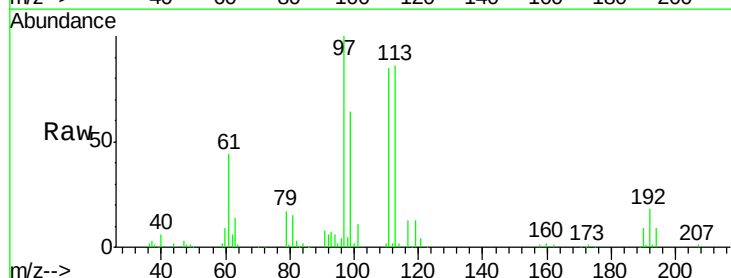
Tgt Ion: 97 Resp: 156018

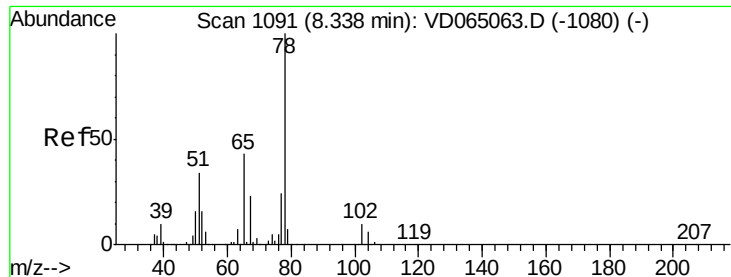
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 44.7 34.8 52.2





#33
 1,2-Dichloroethane-d4
 Concen: 48.711 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

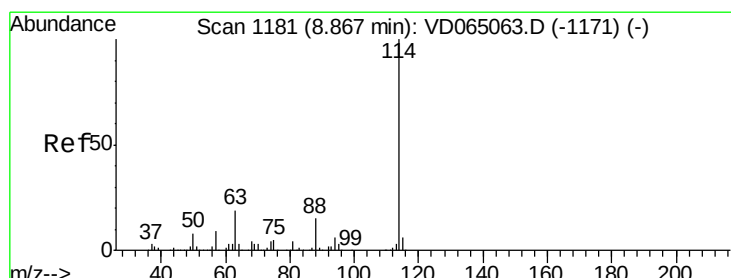
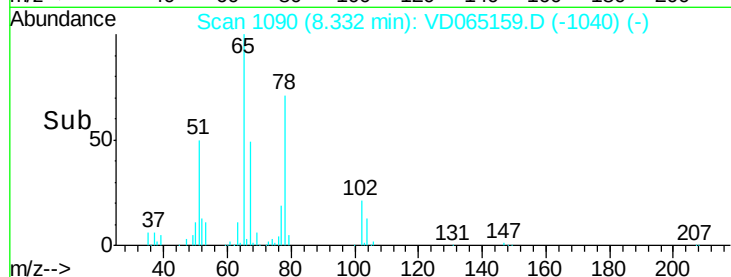
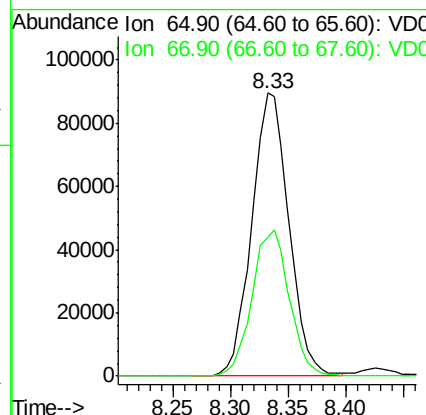
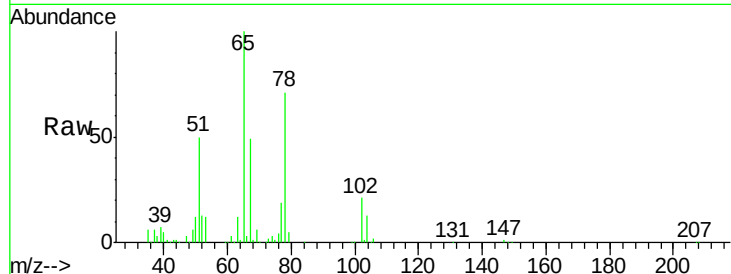
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200534		
67	52.3	0.0	105.8	

Manual Integrations
 APPROVED

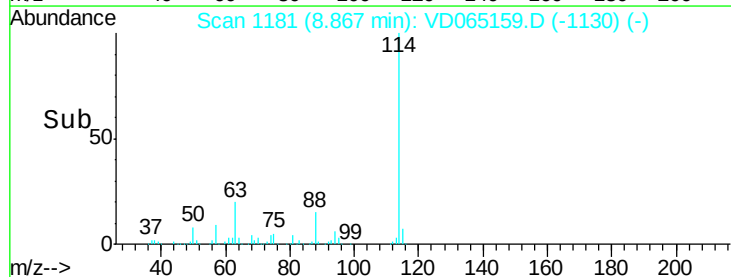
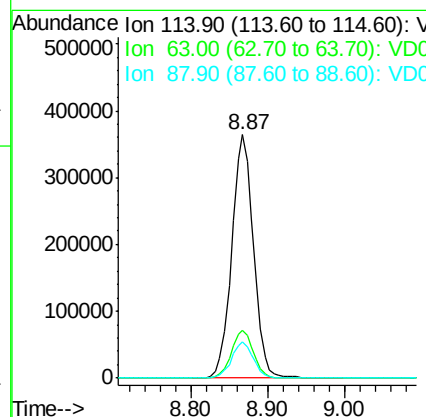
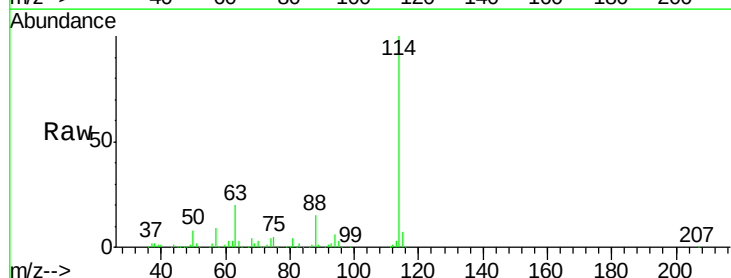
MMDadoda

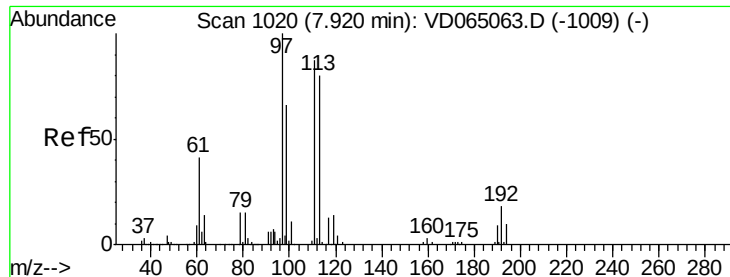
2/13/2020 10:58:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716148		
63	19.9	0.0	38.8	
88	15.0	0.0	29.6	





#35
 Dibromofluoromethane
 Concen: 50.391 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

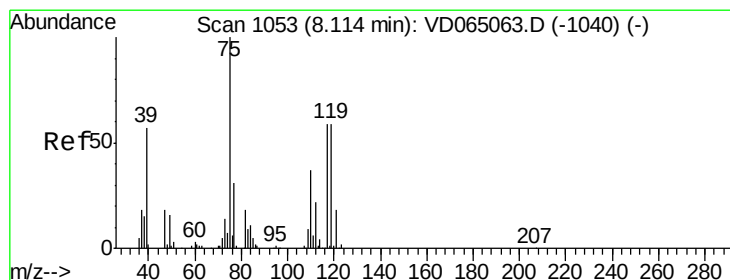
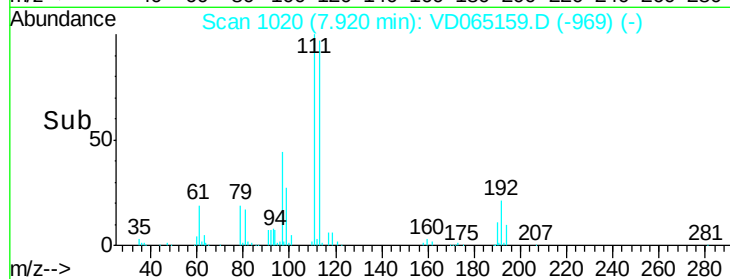
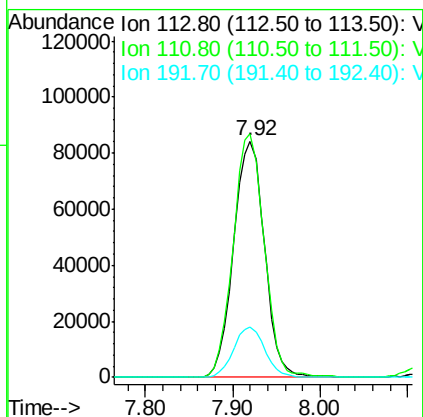
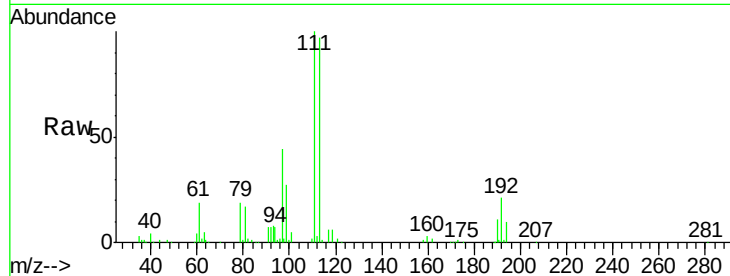
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	21.7	18.1	27.1

Manual Integrations
 APPROVED

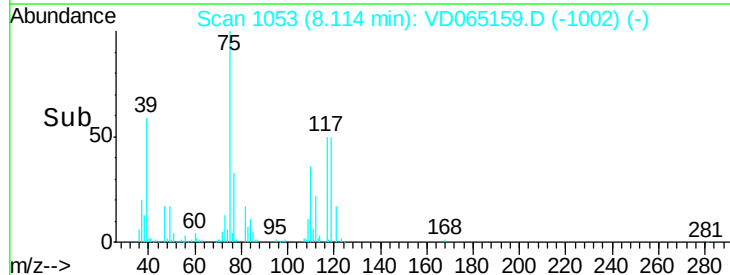
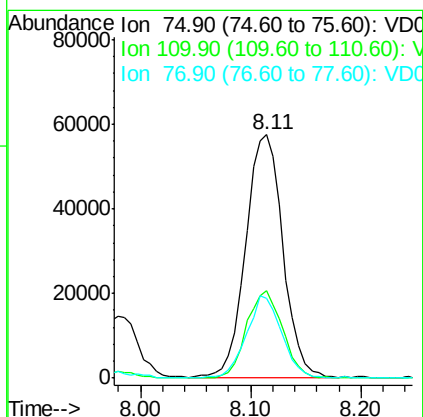
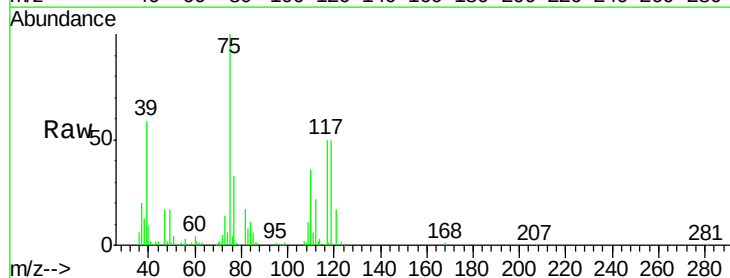
MMDadoda

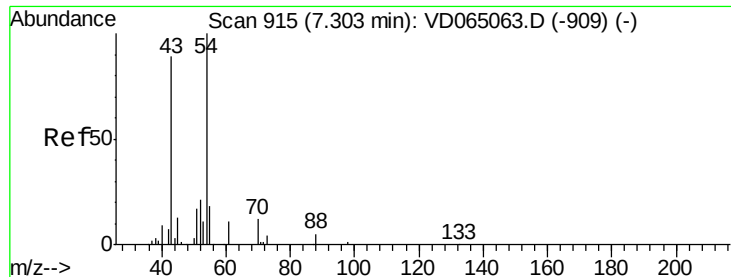
2/13/2020 10:58:56 AM



#36
 1,1-Dichloropropene
 Concen: 20.383 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.1	54.3
77	32.2	24.7	37.1





#37
Ethyl Acetate
Concen: 17.857 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

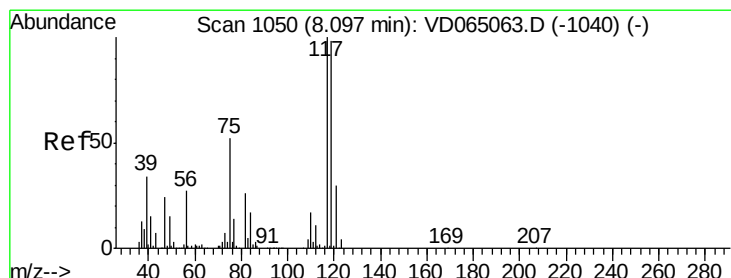
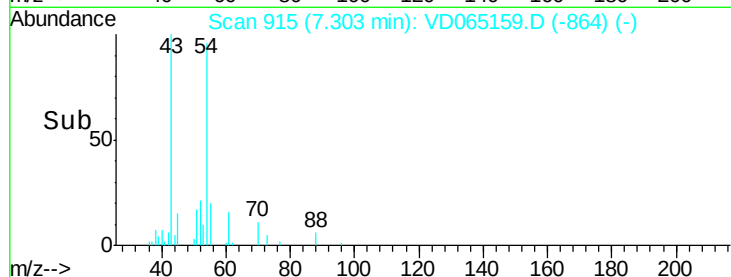
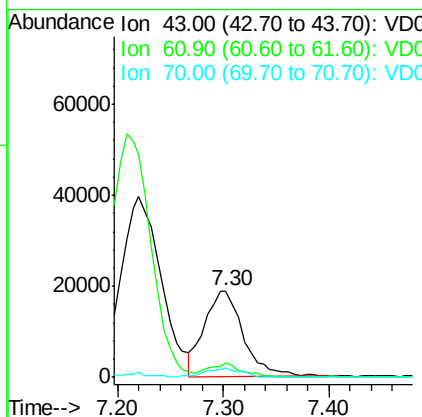
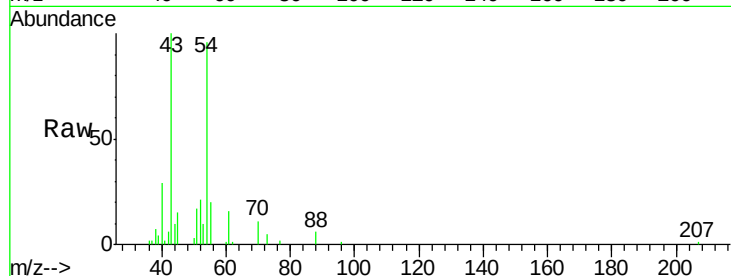
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion:	43	Resp:	48580
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	10.1	8.2	12.2

Manual Integrations
APPROVED

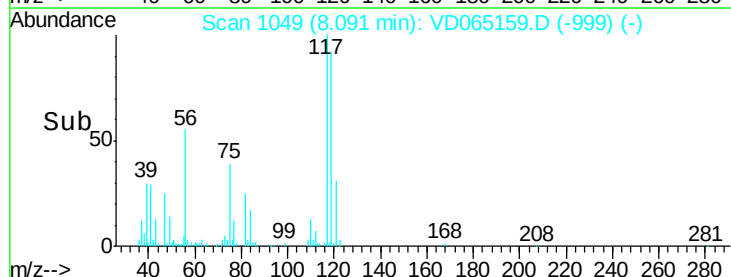
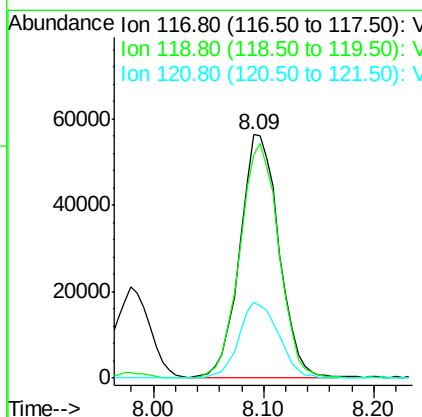
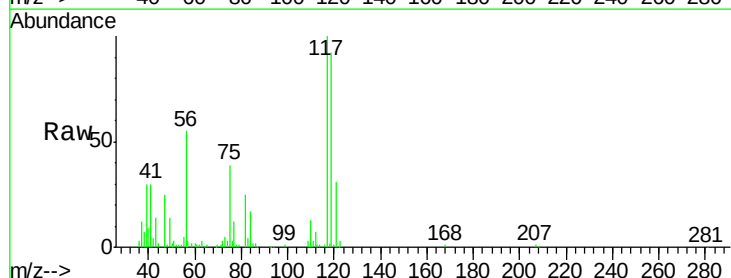
MMDadoda

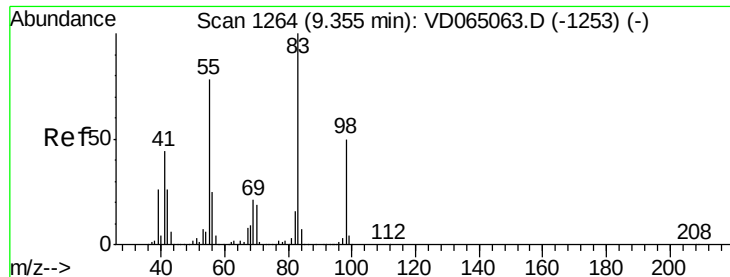
2/13/2020 10:58:56 AM



#38
Carbon Tetrachloride
Concen: 20.413 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion:	117	Resp:	138833
Ion	Ratio	Lower	Upper
117	100		
119	92.0	78.5	117.7
121	31.2	23.8	35.6





#39
Methylvlcyclohexane
Concen: 19.085 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

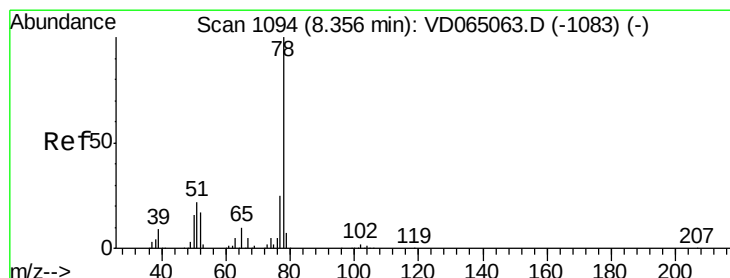
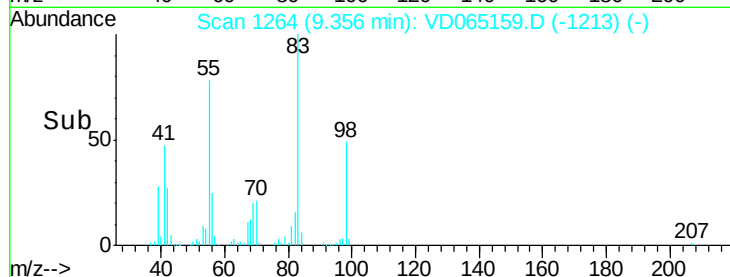
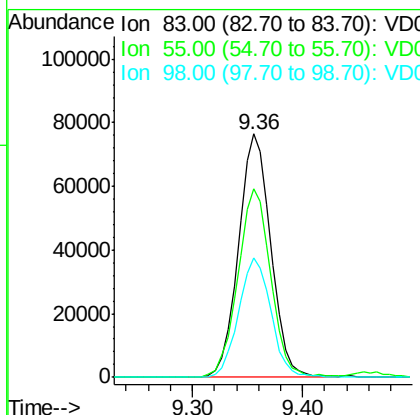
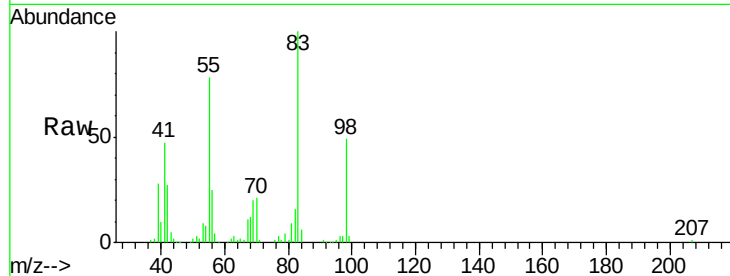
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.0	93.0
98	49.1	39.9	59.9

Manual Integrations
APPROVED

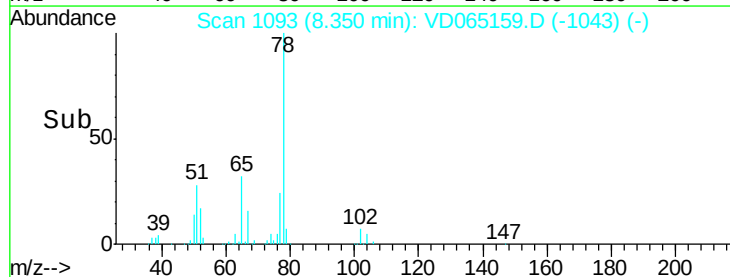
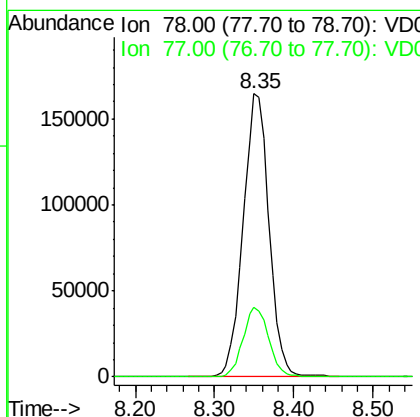
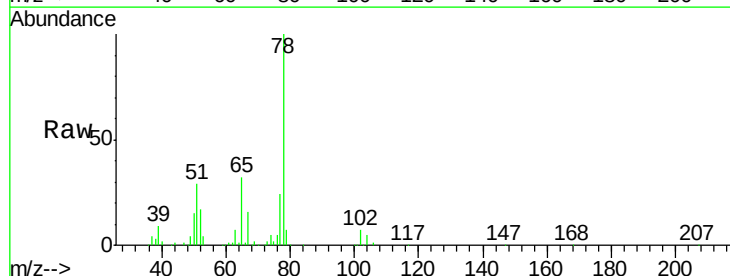
MMDadoda

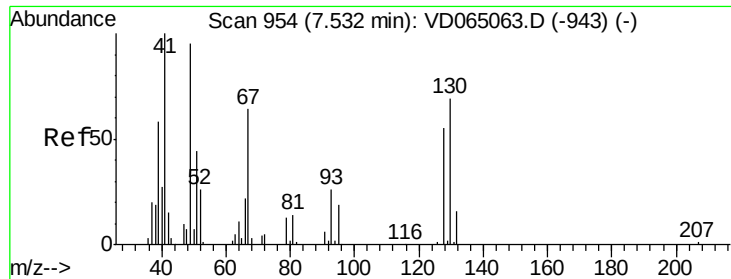
2/13/2020 10:58:56 AM



#40
Benzene
Concen: 20.338 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





#41
Methacrylonitrile
Concen: 18.381 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

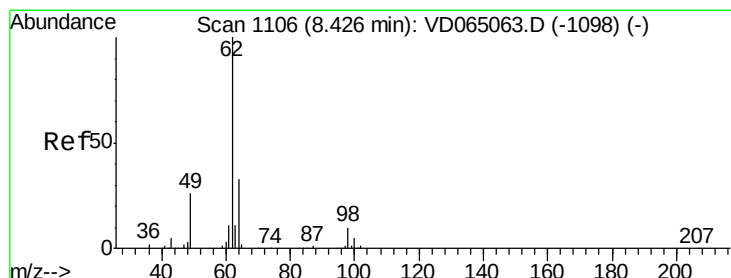
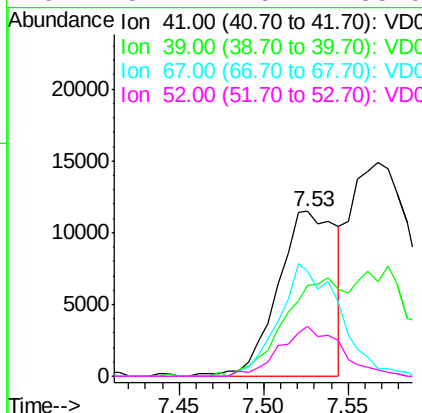
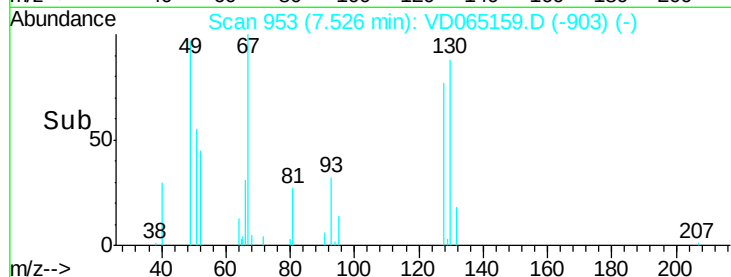
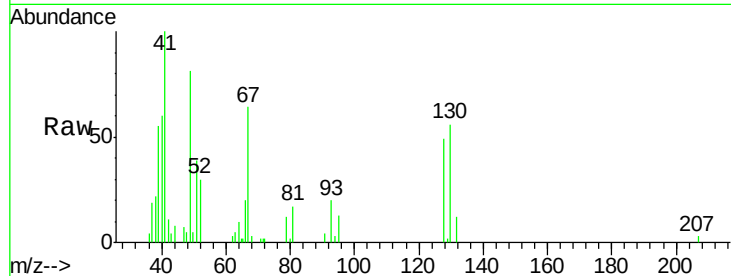
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	41	Resp:	27549
Ion	Ratio	Lower	Upper
41	100		
39	62.9	55.4	83.0
67	70.4	59.0	88.6
52	31.7	25.4	38.0

Manual Integrations
APPROVED

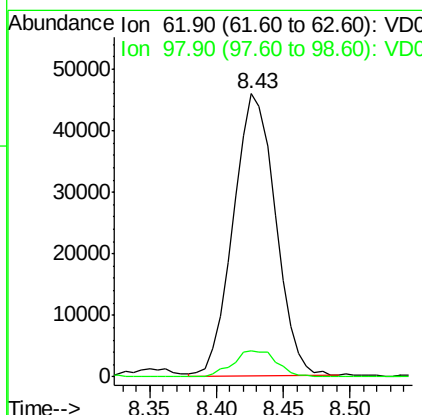
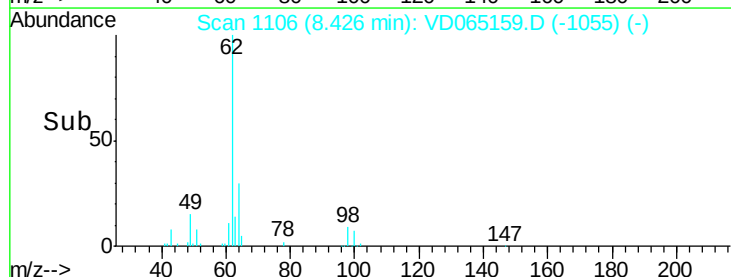
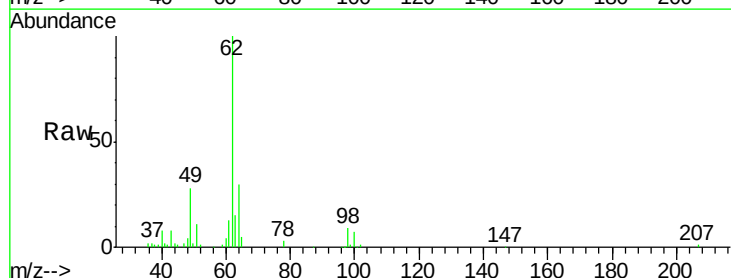
MMDadoda

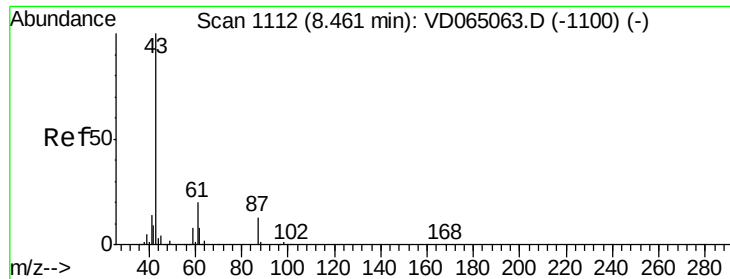
2/13/2020 10:58:56 AM



#42
1,2-Dichloroethane
Concen: 19.208 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	62	Resp:	100646
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43
Isopropyl Acetate
Concen: 17.407 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

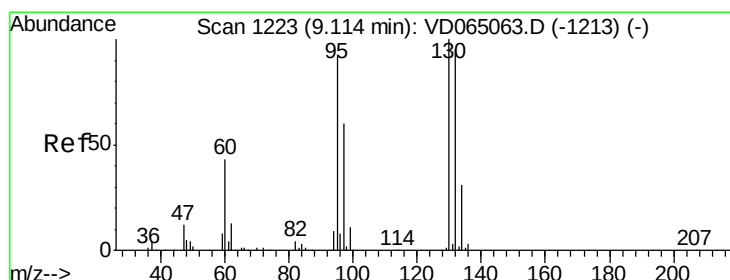
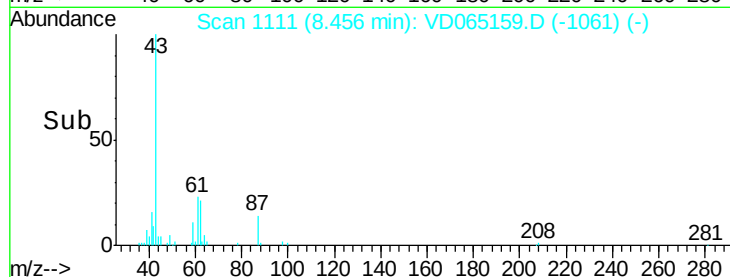
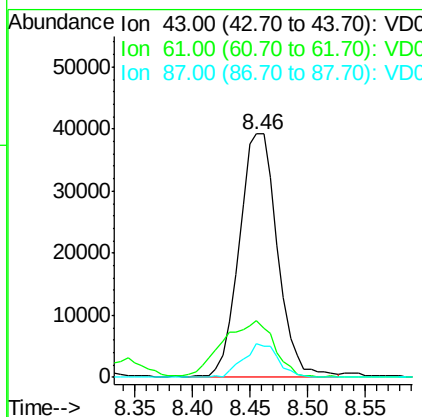
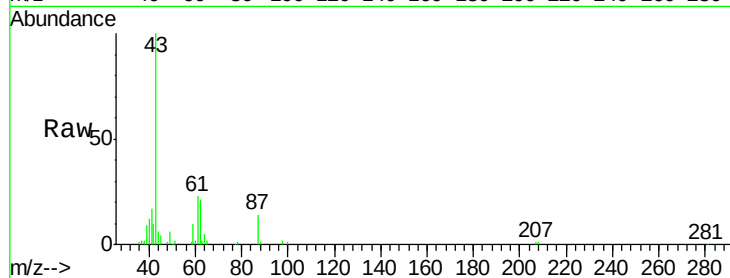
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.0	36.0
87	12.7	10.2	15.4

Manual Integrations
APPROVED

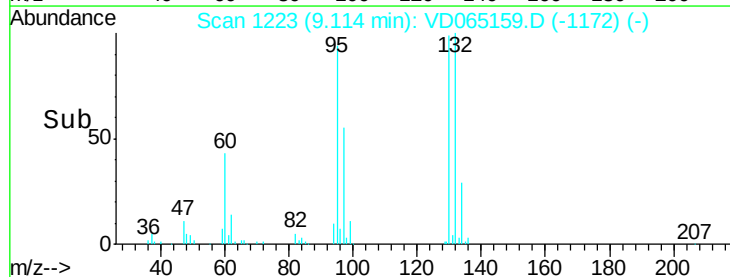
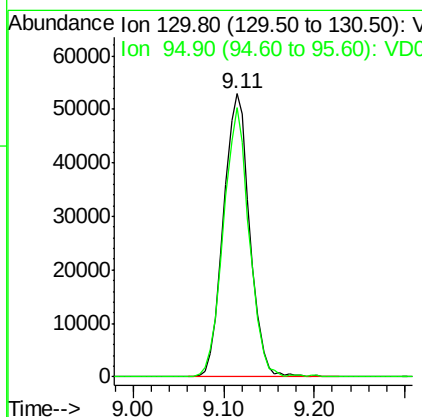
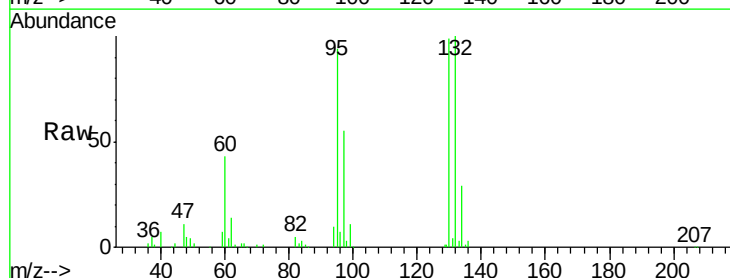
MMDadoda

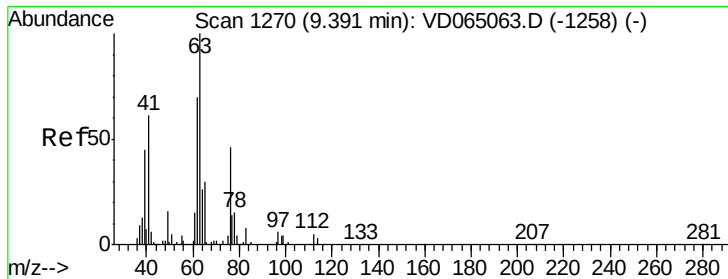
2/13/2020 10:58:56 AM



#44
Trichloroethene
Concen: 20.112 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	185.0





#45
 1,2-Dichloropropane
 Concen: 20.628 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

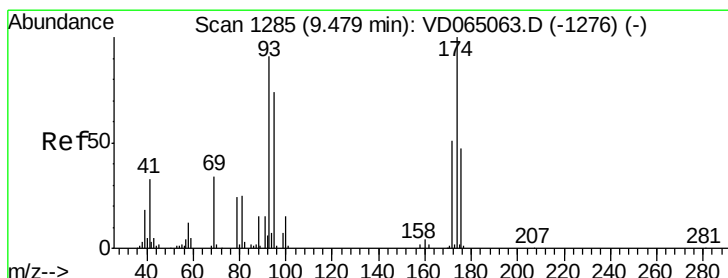
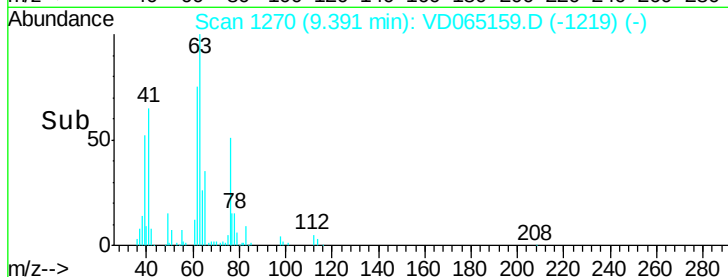
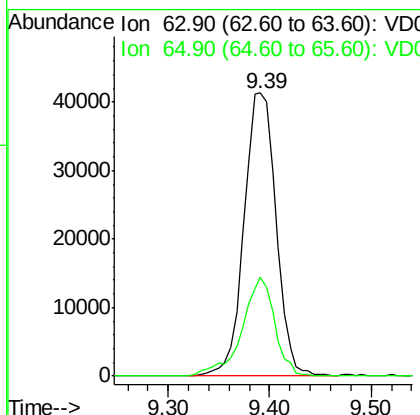
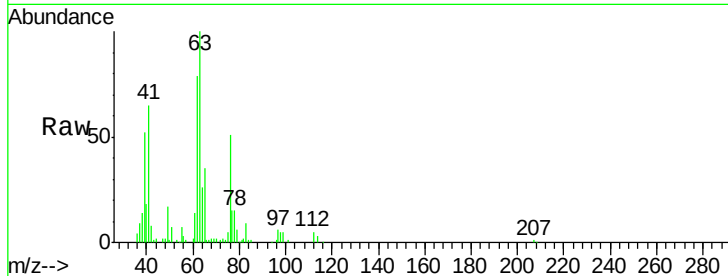
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.1	23.9	35.9

Manual Integrations
 APPROVED

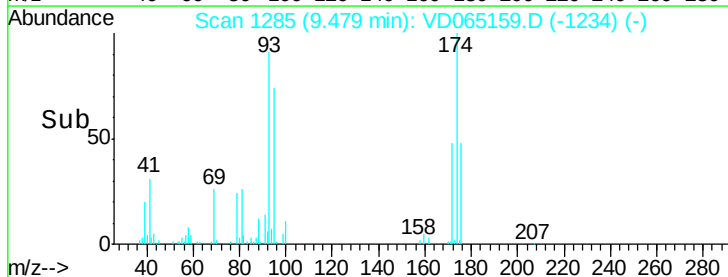
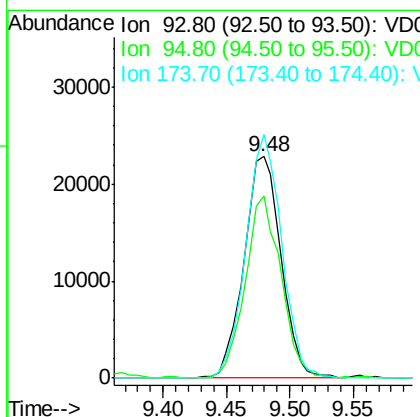
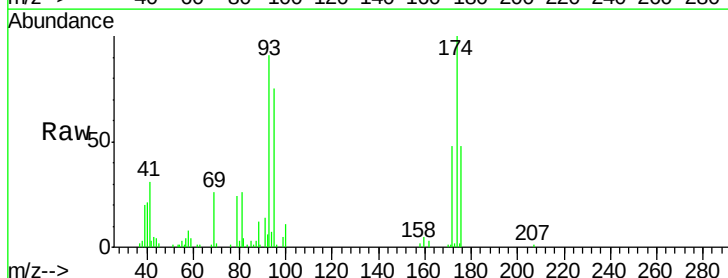
MMDadoda

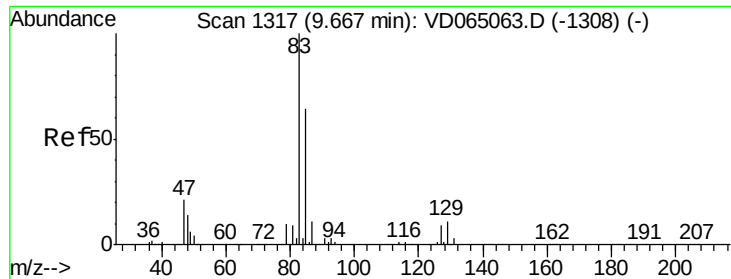
2/13/2020 10:58:56 AM



#46
 Dibromomethane
 Concen: 20.072 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.4	66.5	99.7
174	106.2	89.8	134.8





#47
Bromodichloromethane
Concen: 20.963 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

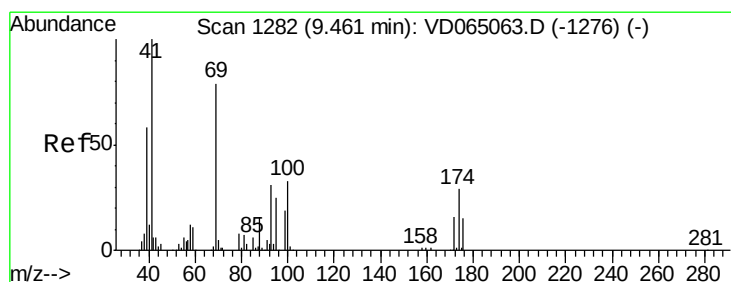
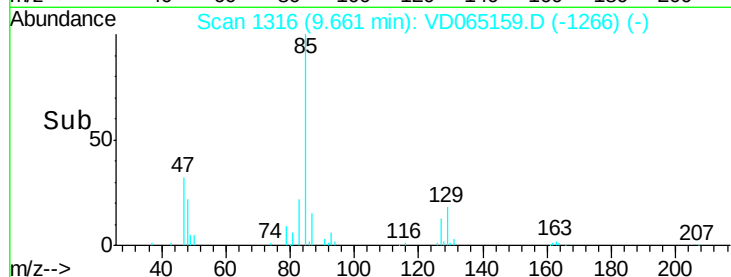
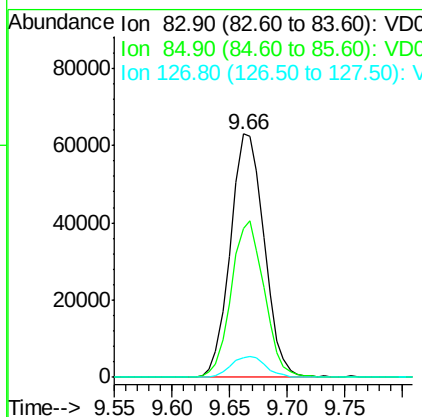
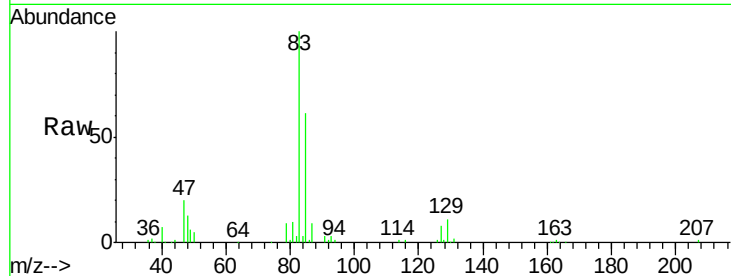
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	60.9	51.0	76.6	
127	7.9	7.3	10.9	

Manual Integrations
APPROVED

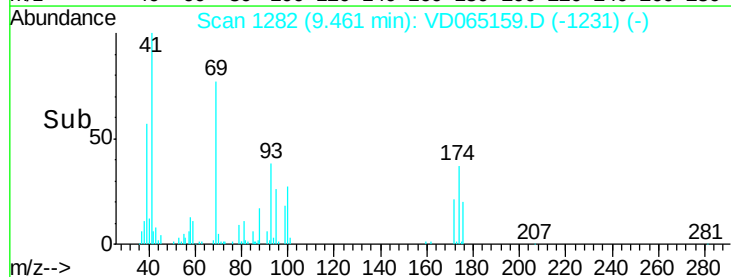
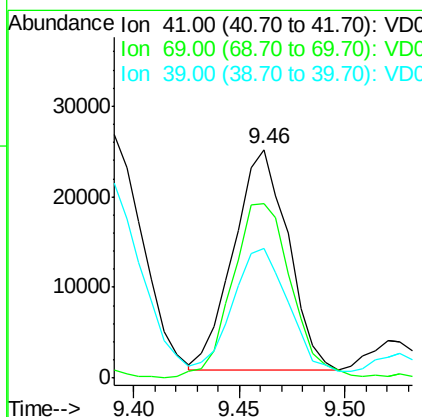
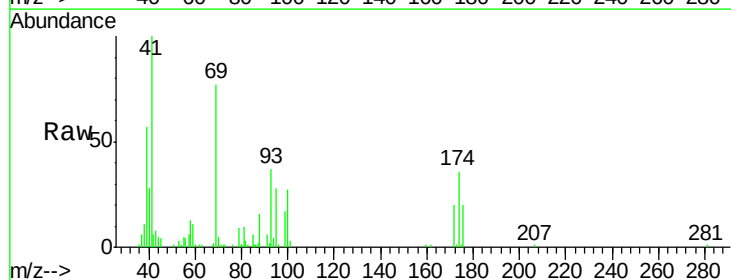
MMDadoda

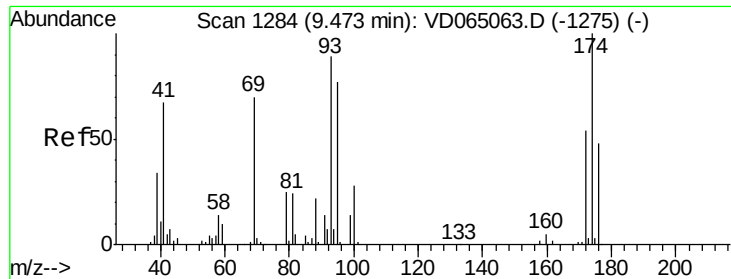
2/13/2020 10:58:56 AM



#48
Methyl methacrylate
Concen: 17.281 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.5	67.5	101.3	
39	56.2	47.0	70.4	





#49
1,4-Dioxane
Concen: 353.926 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

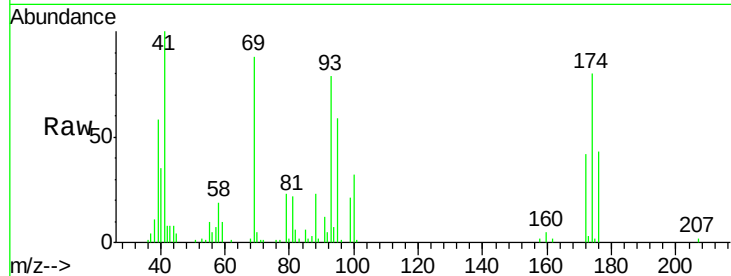
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	27.7	41.5
58	78.1	55.5	83.3

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM

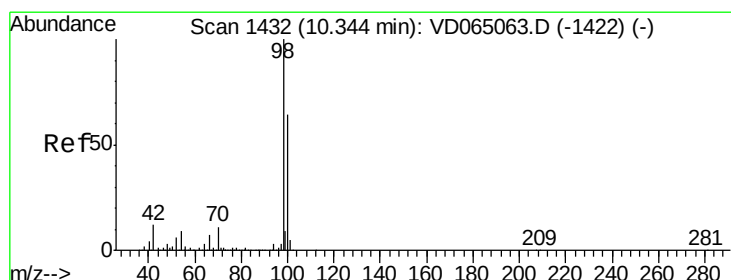
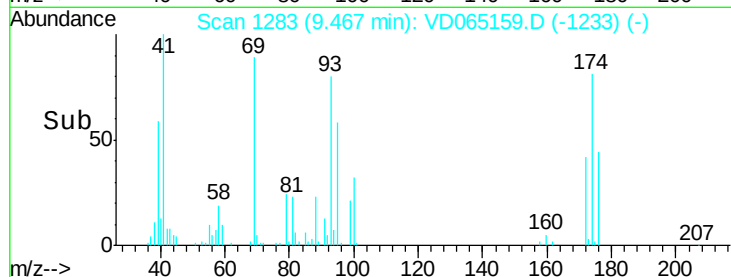
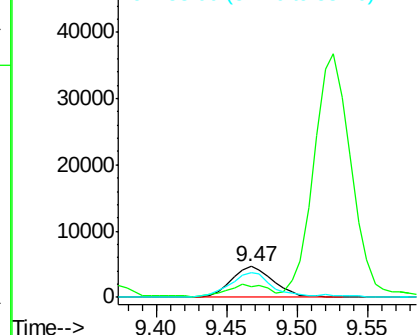


Abundance

Ion 88.00 (87.70 to 88.70): VDC

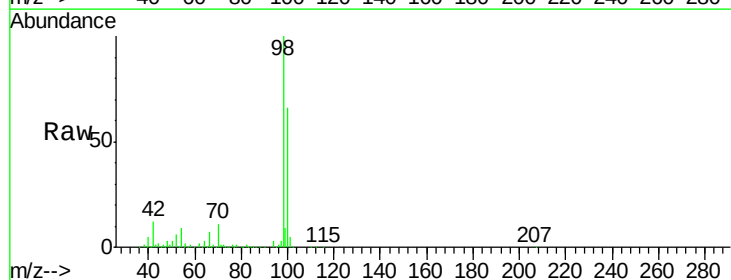
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

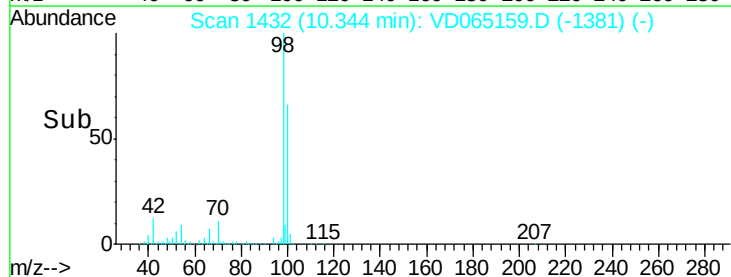
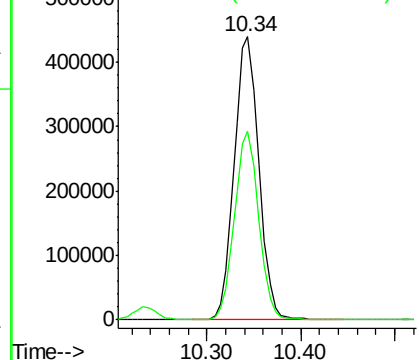
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1

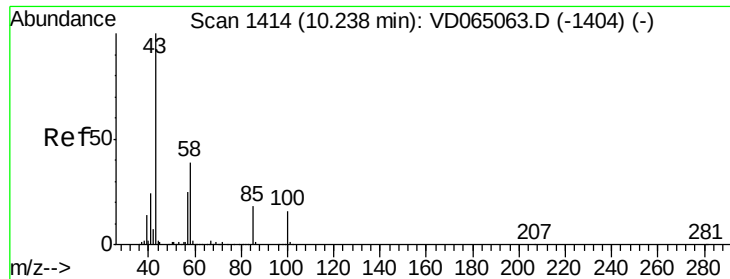


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51
4-Methyl-2-Pentanone
Concen: 90.999 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

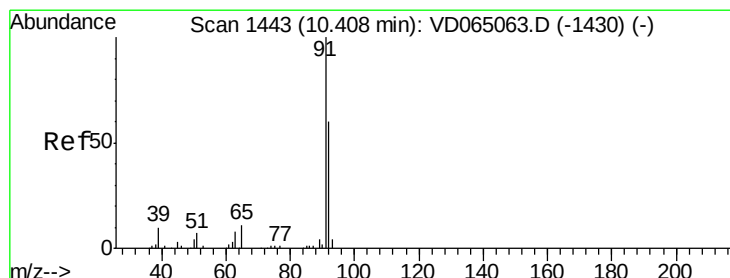
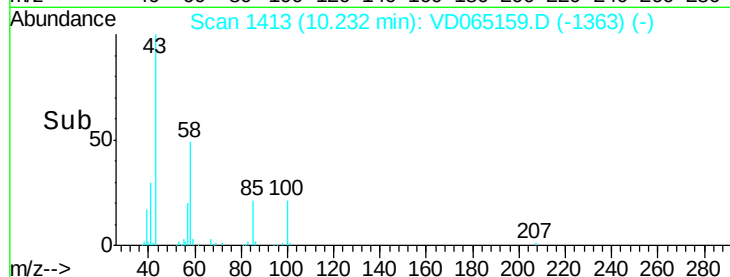
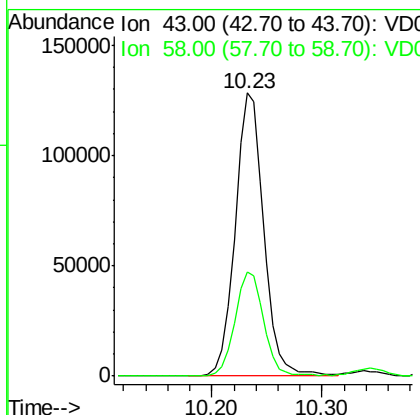
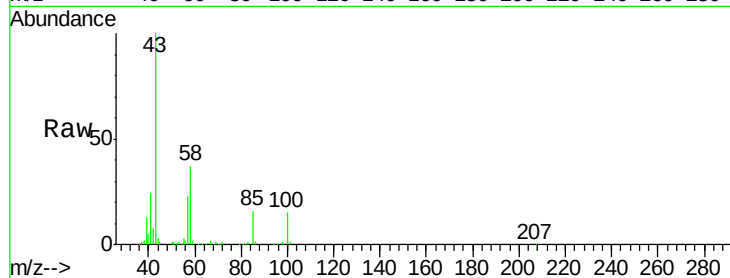
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.2	45.2

Manual Integrations
APPROVED

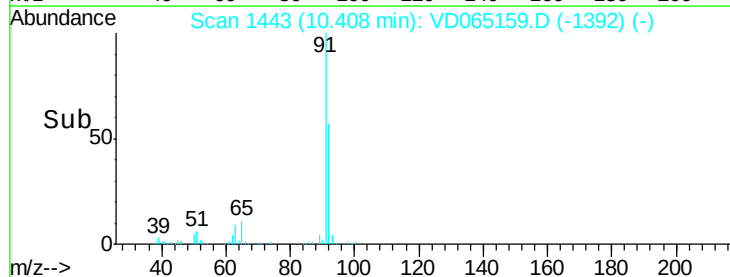
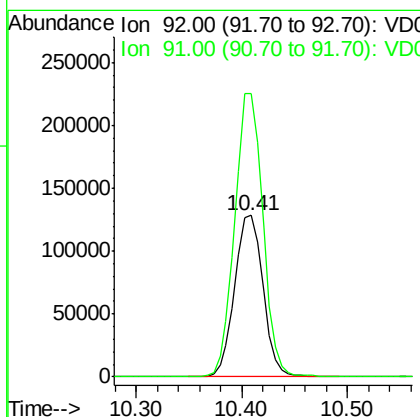
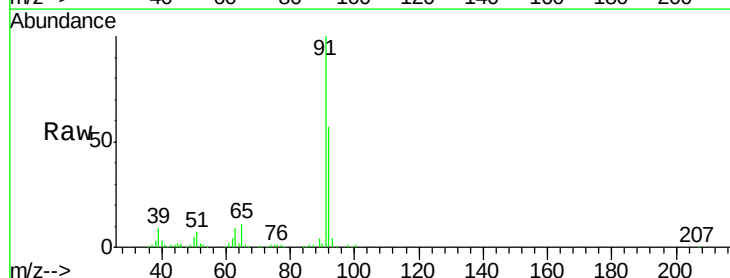
MMDadoda

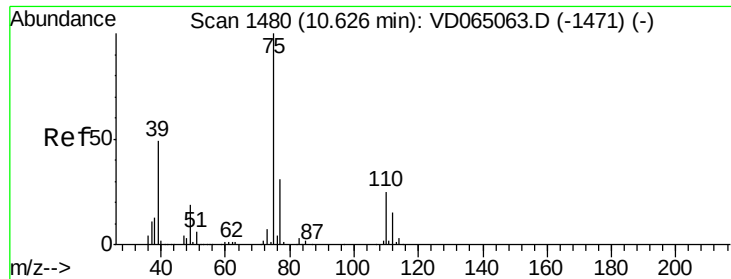
2/13/2020 10:58:56 AM



#52
Toluene
Concen: 20.433 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	135.3	202.9





#53
t-1,3-Dichloropropene
Concen: 18.752 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

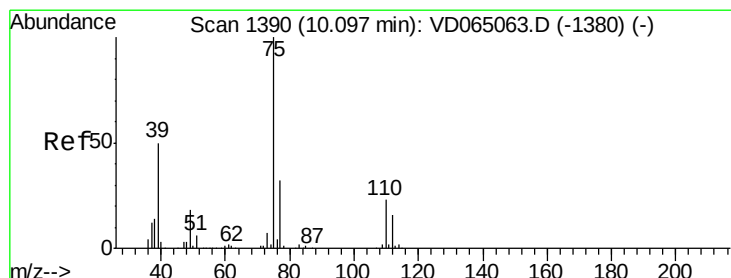
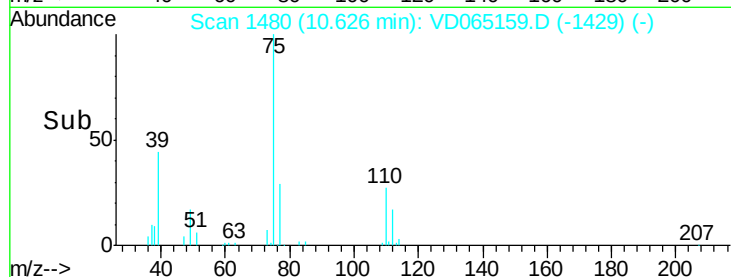
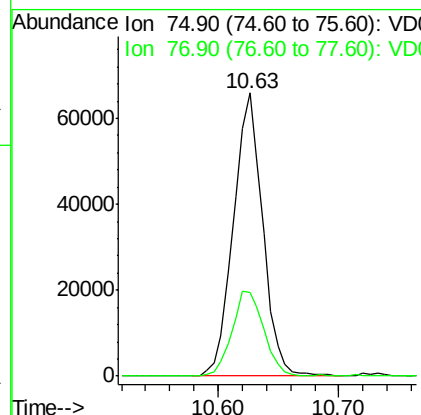
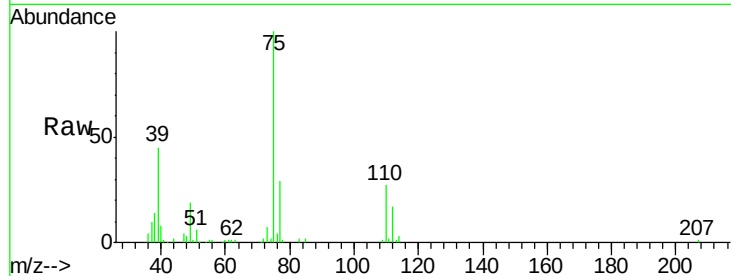
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.9	37.3

Manual Integrations
APPROVED

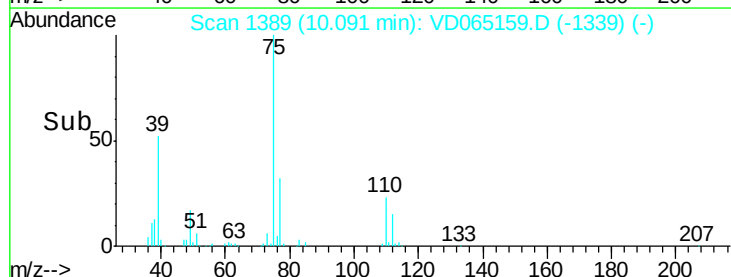
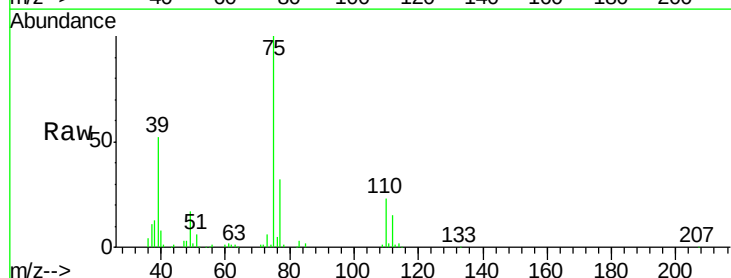
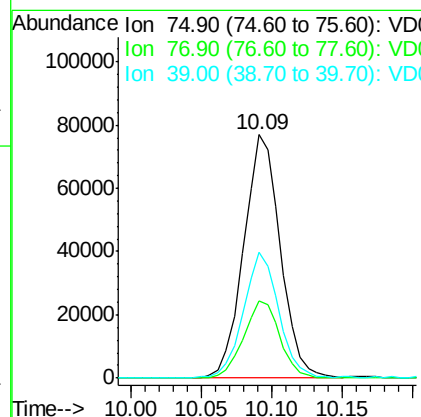
MMDadoda

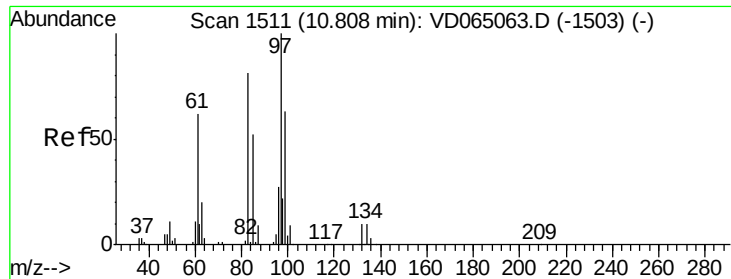
2/13/2020 10:58:56 AM



#54
cis-1,3-Dichloropropene
Concen: 19.703 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	51.4	40.3	60.5





#55
 1,1,2-Trichloroethane
 Concen: 19.849 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

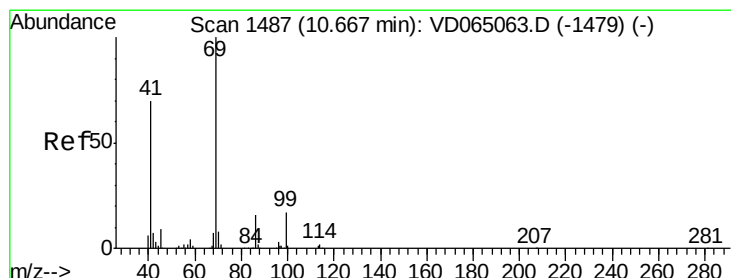
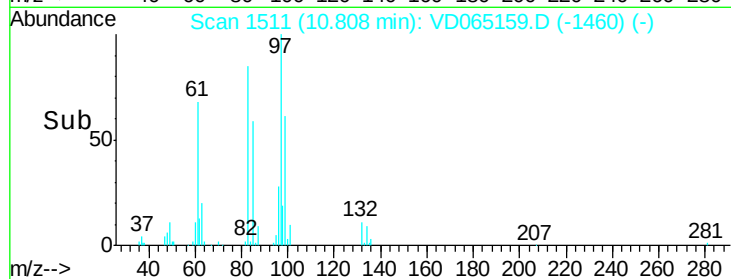
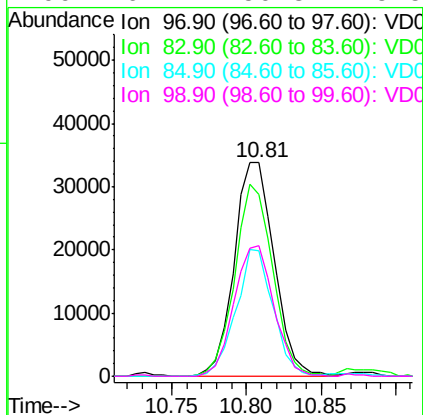
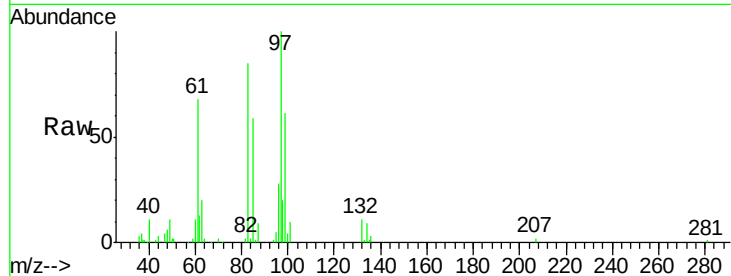
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		63076		
83	85.2	64.8	97.2		
85	58.8	41.2	61.8		
99	61.1	50.3	75.5		

Manual Integrations
 APPROVED

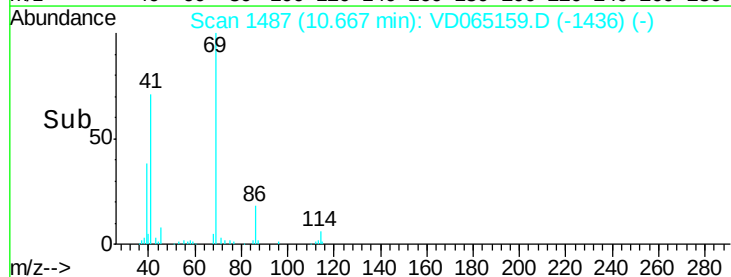
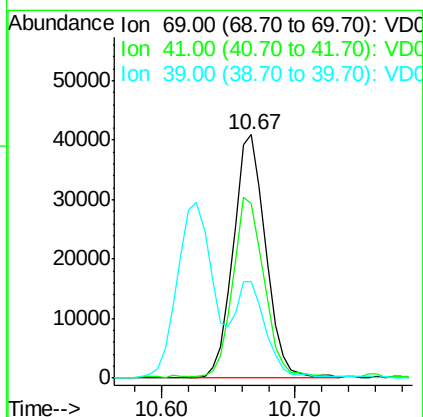
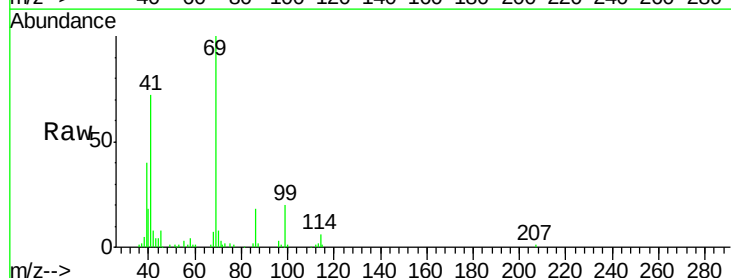
MMDadoda

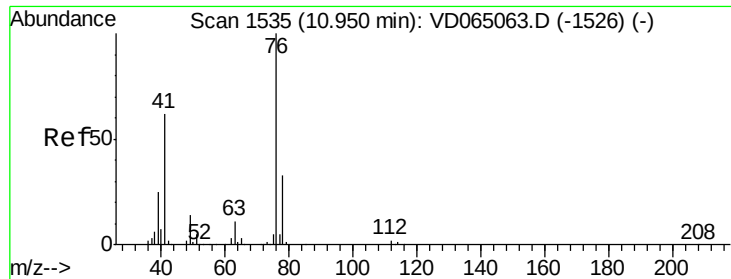
2/13/2020 10:58:56 AM



#56
 Ethyl methacrylate
 Concen: 17.196 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69143		
41	71.0	55.9	83.9		
39	35.2	29.4	44.0		





#57
 1,3-Dichloropropane
 Concen: 19.742 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

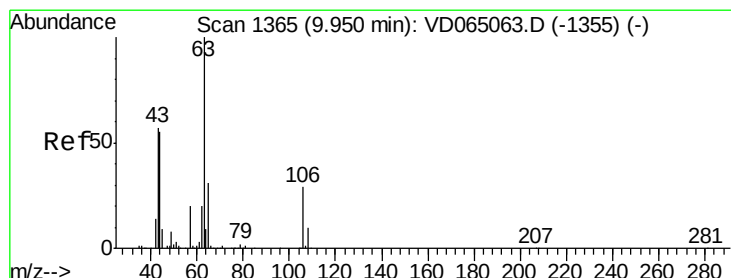
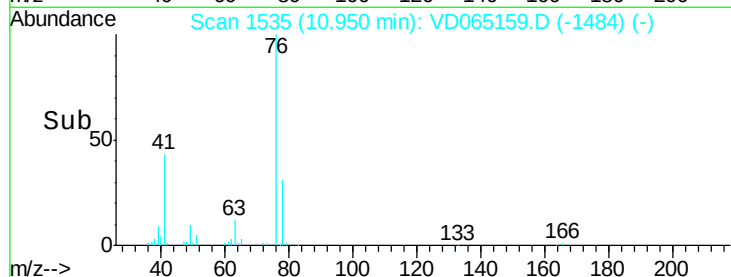
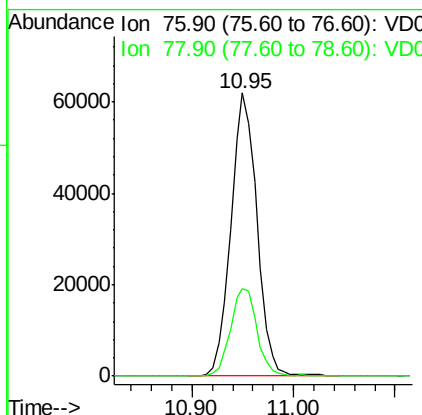
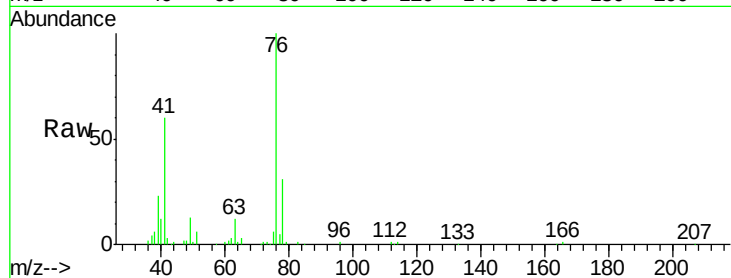
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.6

Manual Integrations
 APPROVED

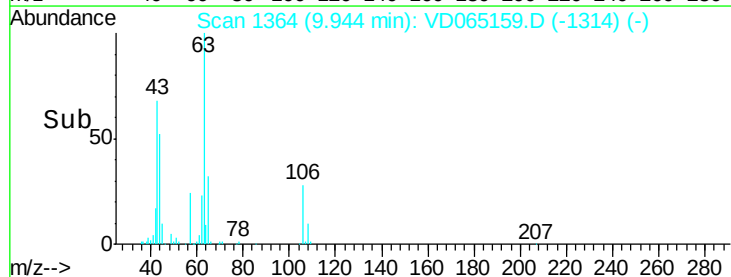
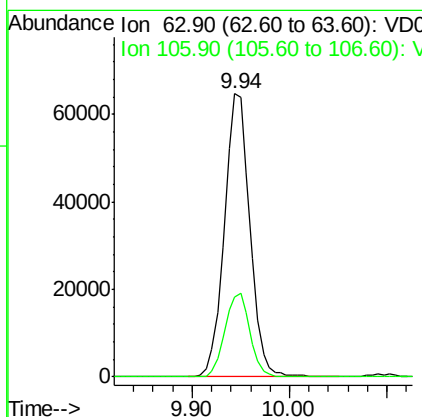
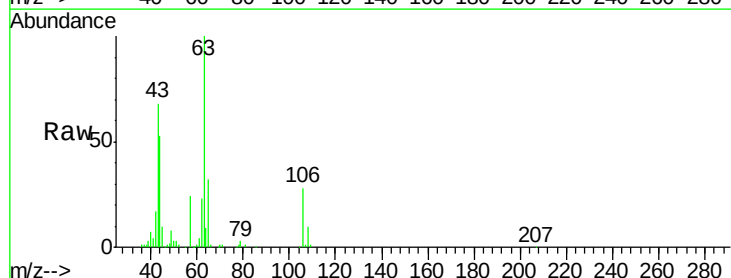
MMDadoda

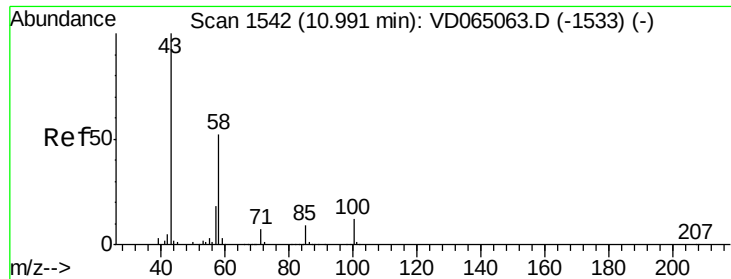
2/13/2020 10:58:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.140 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.3	34.9





#59
2-Hexanone
Concen: 88.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

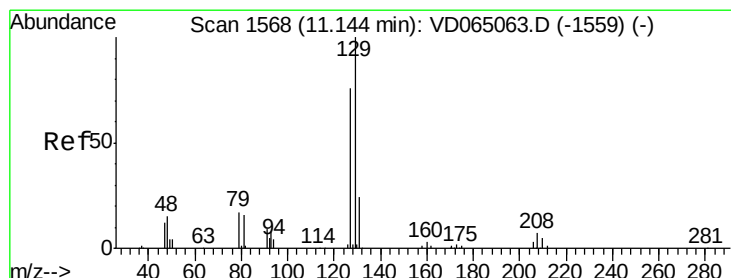
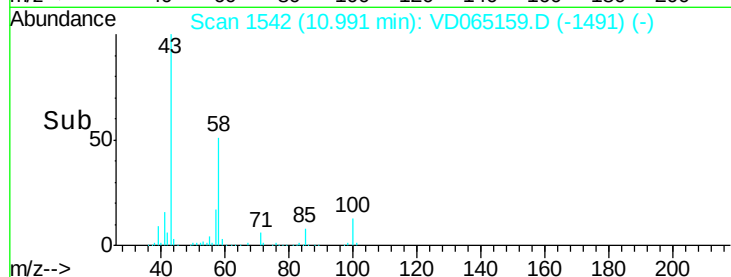
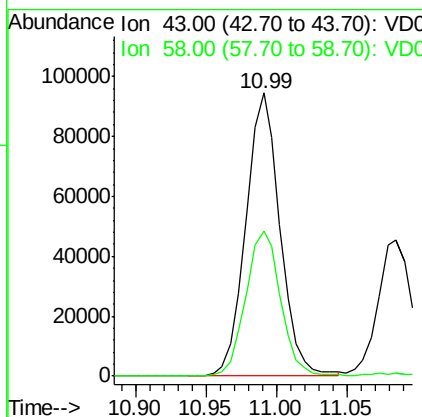
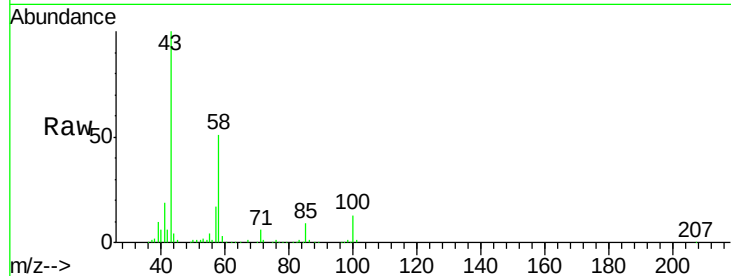
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	43	Resp	160477
Ion Ratio	43	100	
Lower	58	52.4	26.2
Upper			78.6

Manual Integrations
APPROVED

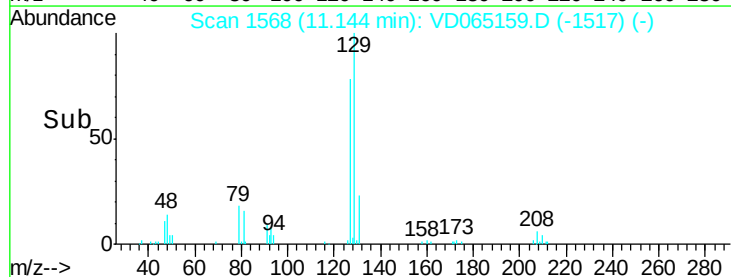
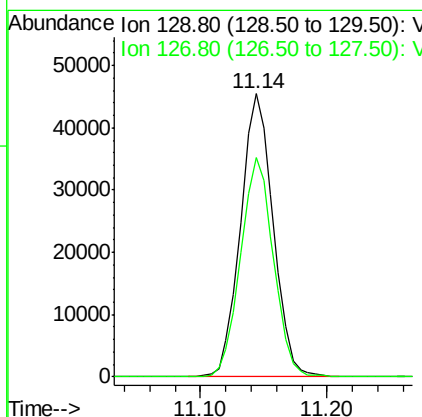
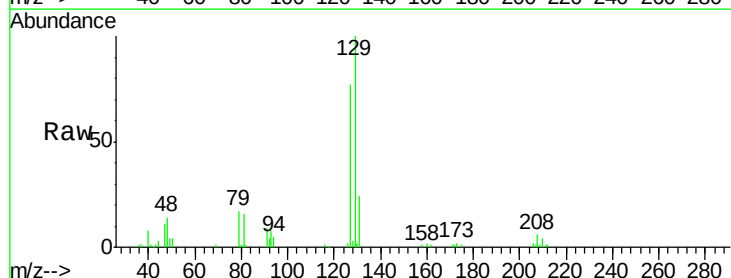
MMDadoda

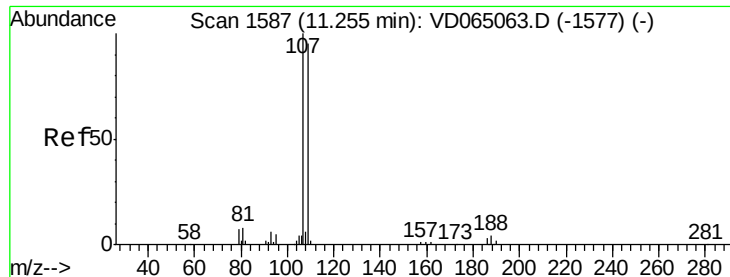
2/13/2020 10:58:56 AM



#60
Dibromochloromethane
Concen: 19.687 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	129	Resp	81034
Ion Ratio	129	100	
Lower	127	78.0	38.3
Upper			114.9





#61
 1,2-Dibromoethane
 Concen: 19.326 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

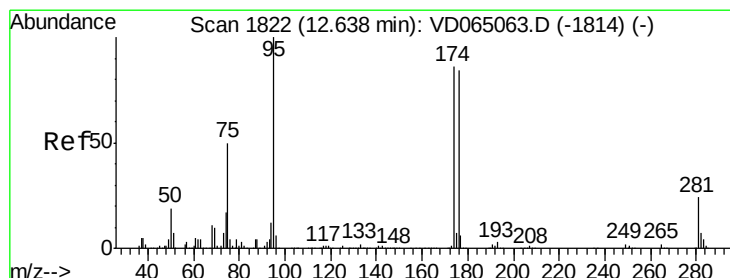
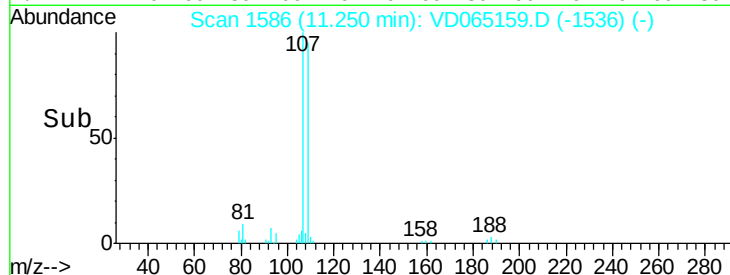
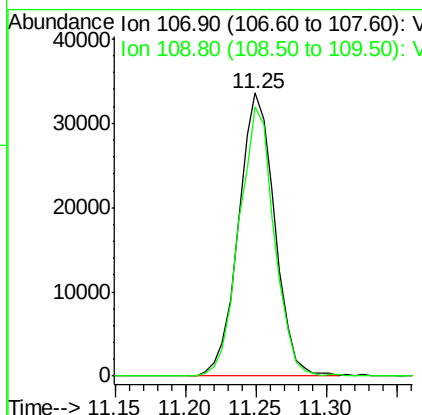
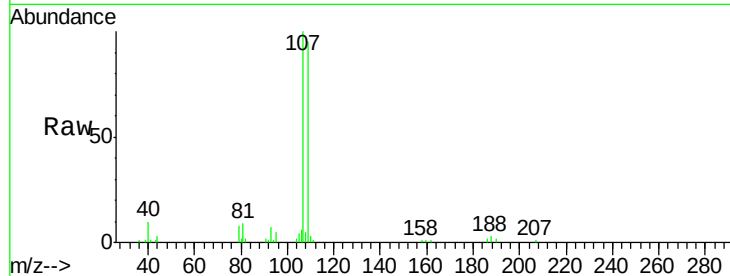
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.5	113.3

Manual Integrations
 APPROVED

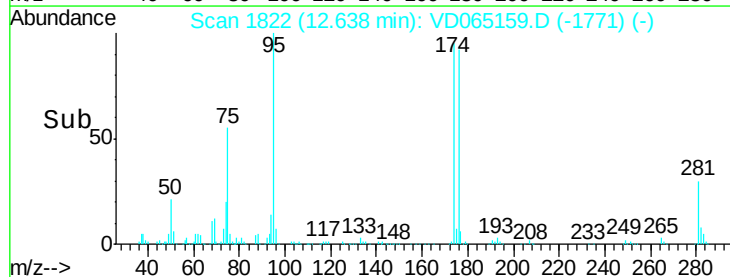
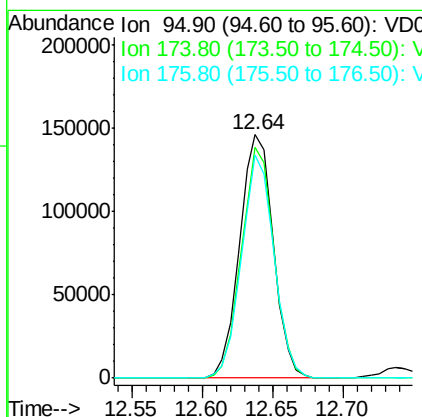
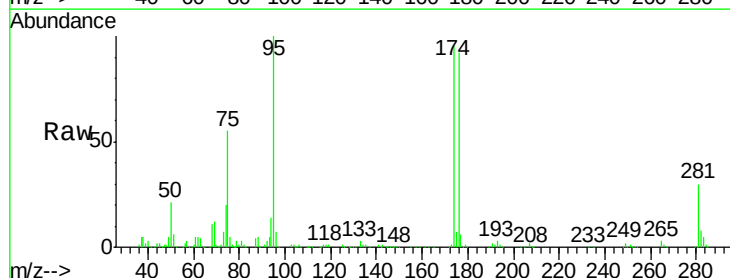
MMDadoda

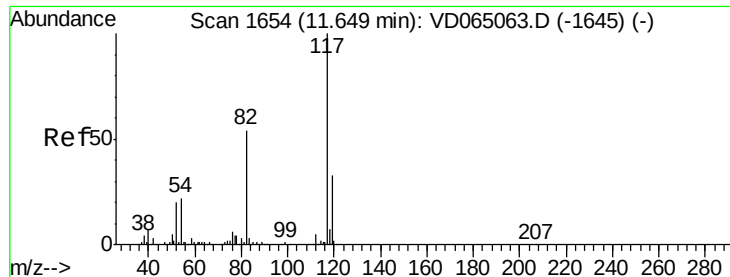
2/13/2020 10:58:56 AM



#62
 4-Bromofluorobenzene
 Concen: 48.409 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	180.0
176	88.4	0.0	173.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

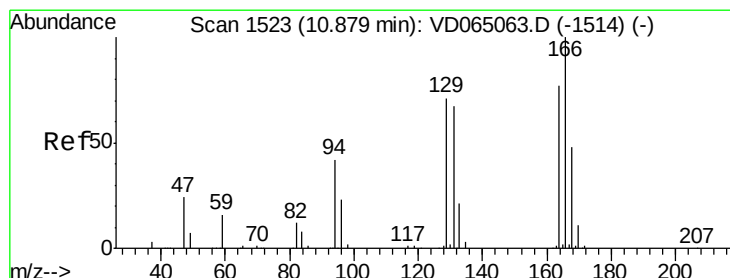
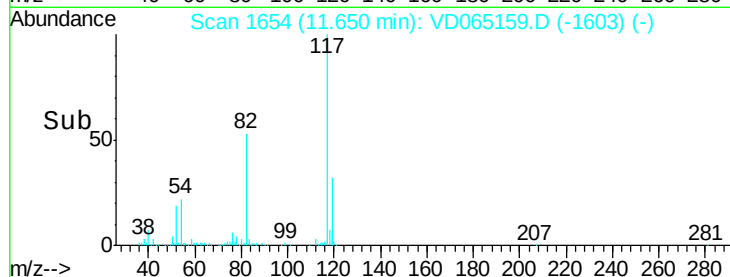
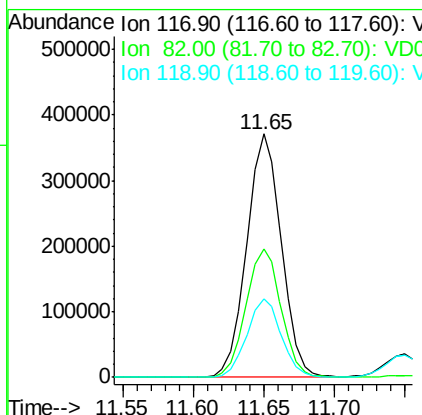
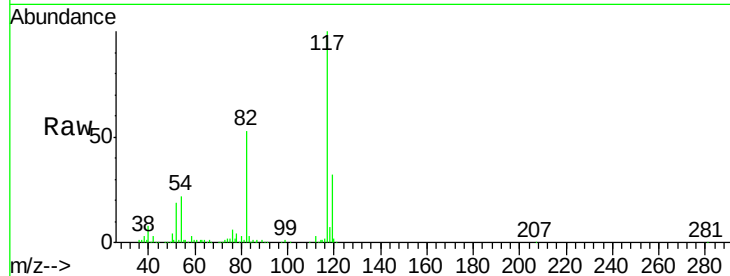
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.1	64.7
119	32.0	26.0	39.0

Manual Integrations
APPROVED

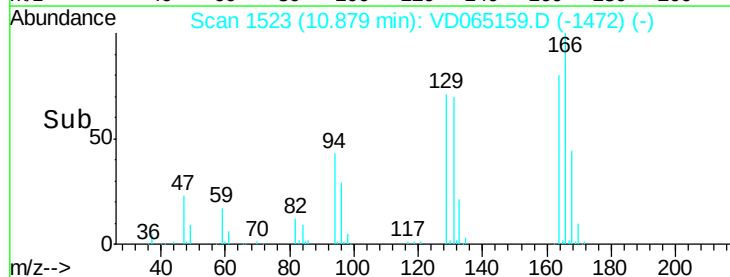
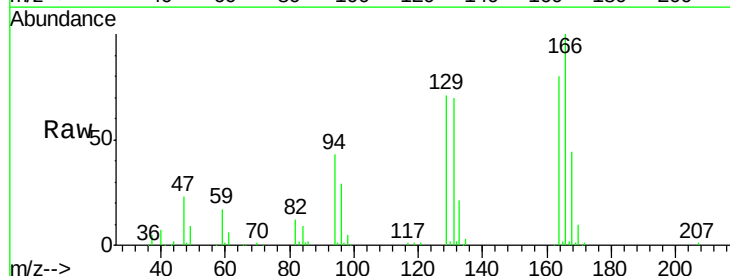
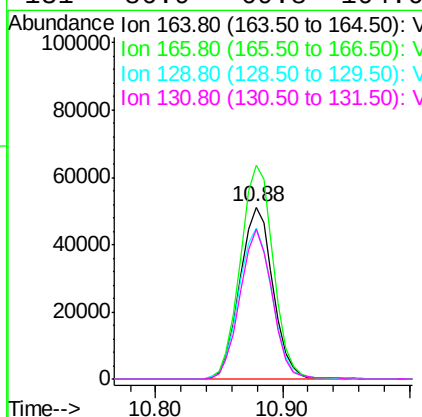
MMDadoda

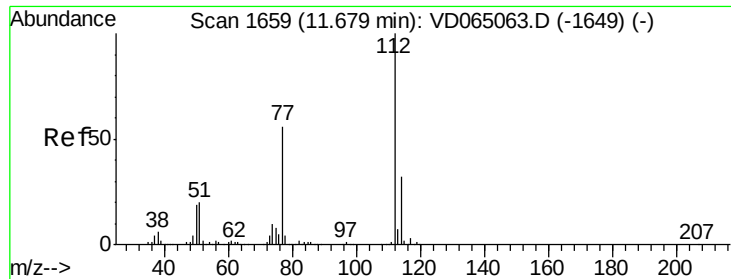
2/13/2020 10:58:56 AM



#64
Tetrachloroethene
Concen: 20.194 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.5	155.3
129	88.3	73.3	109.9
131	86.9	69.8	104.6





#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

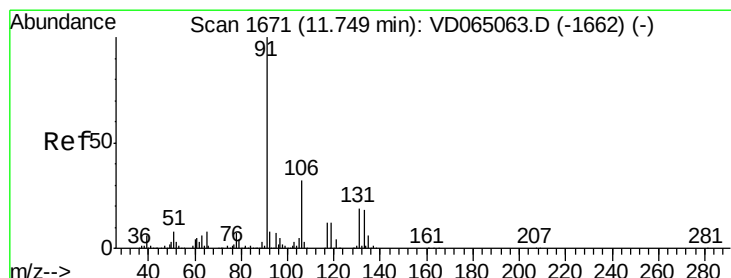
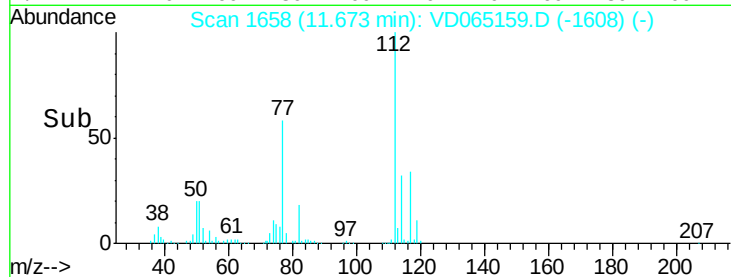
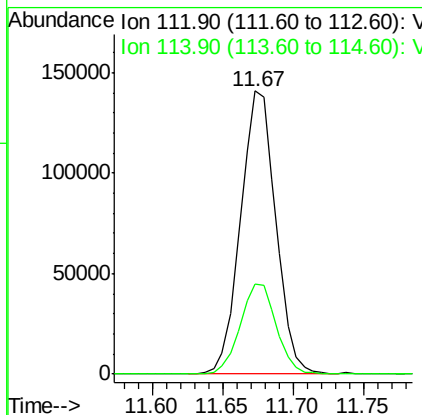
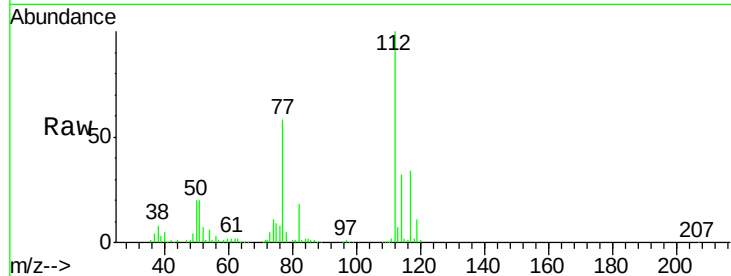
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	246213		
114	31.9	25.4	38.0	

Manual Integrations
APPROVED

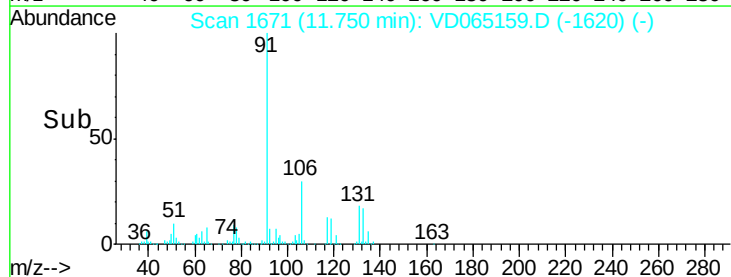
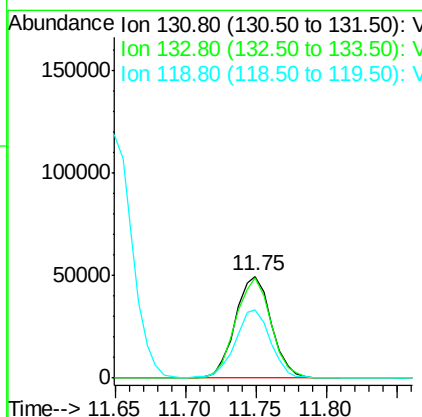
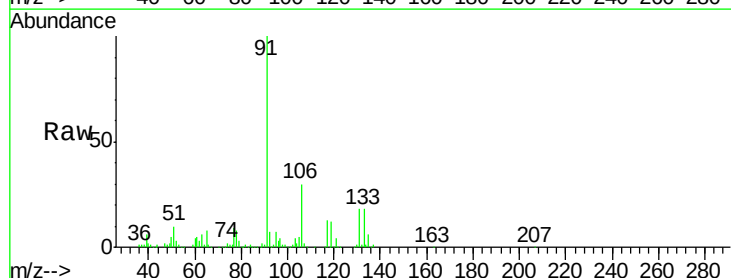
MMDadoda

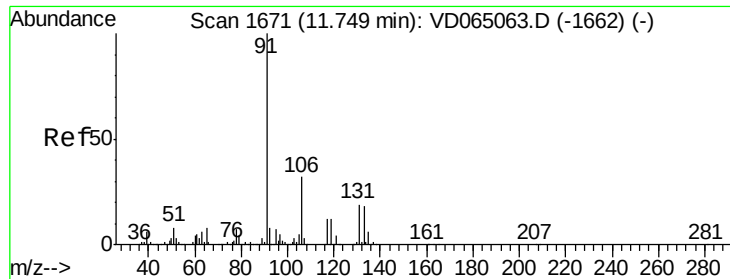
2/13/2020 10:58:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.536 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	89020		
133	96.9	47.7	143.1	
119	66.1	31.3	93.8	





#67

Ethyl Benzene

Concen: 19.849 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 91 Resp: 445210

Ion Ratio Lower Upper

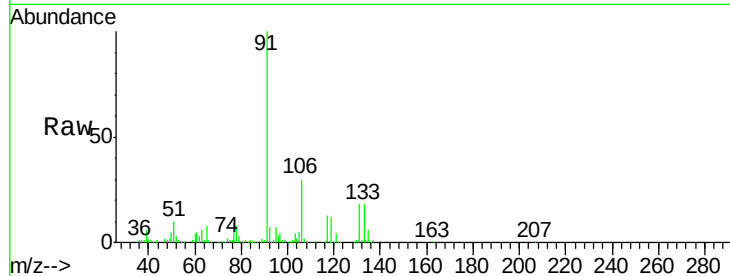
91 100

106 29.8 25.4 38.2

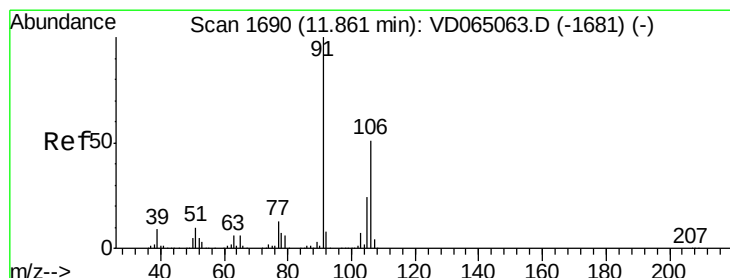
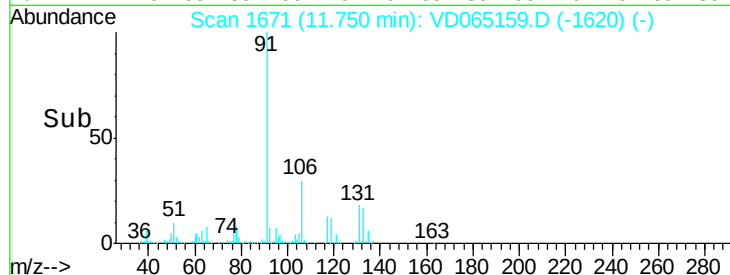
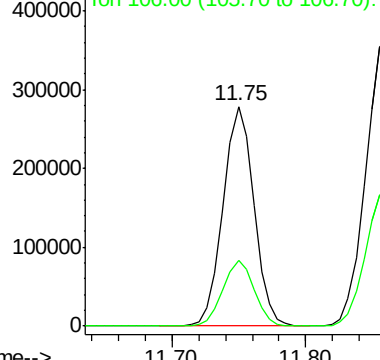
Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065159.D (-1620) (-)



#68

m/p-Xylenes

Concen: 39.492 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065159.D

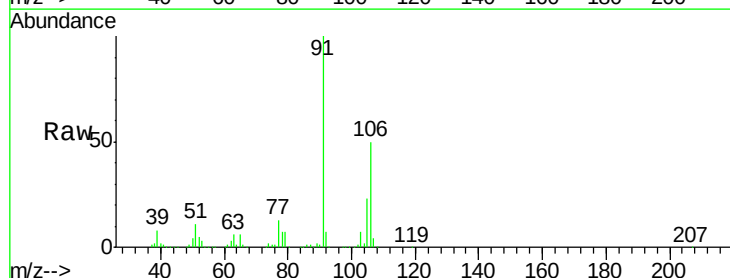
Acq: 12 Feb 2020 11:31

Tgt Ion: 106 Resp: 338089

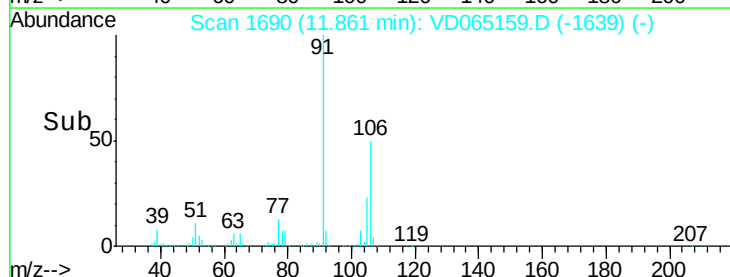
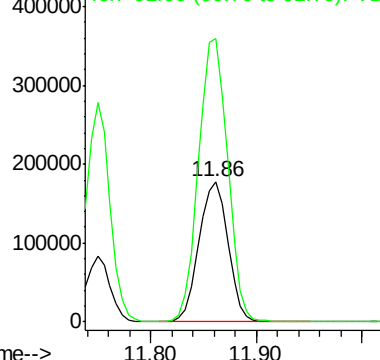
Ion Ratio Lower Upper

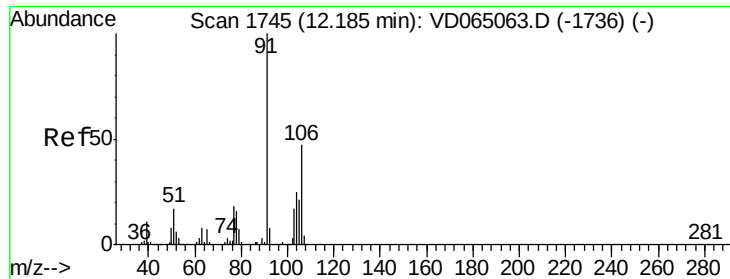
106 100

91 203.2 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065159.D (-1639) (-)





#69
o-Xylene
Concen: 18.984 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

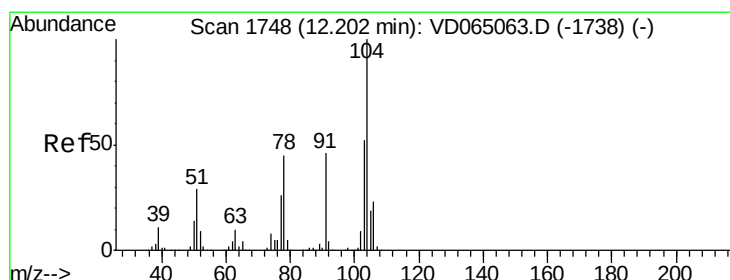
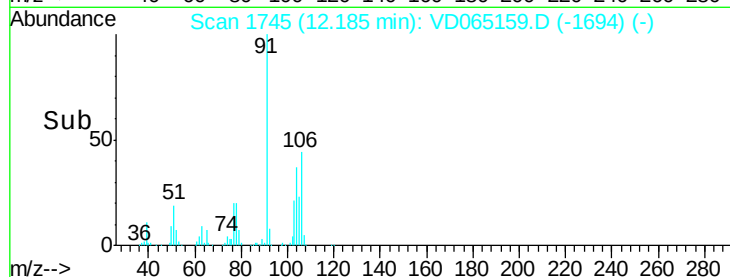
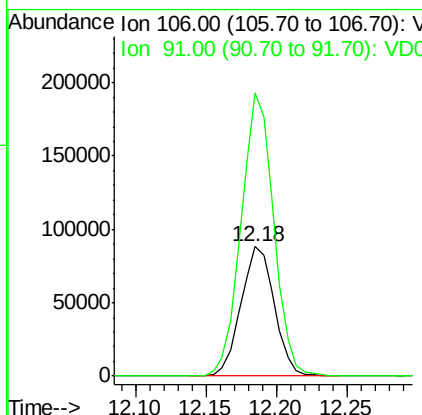
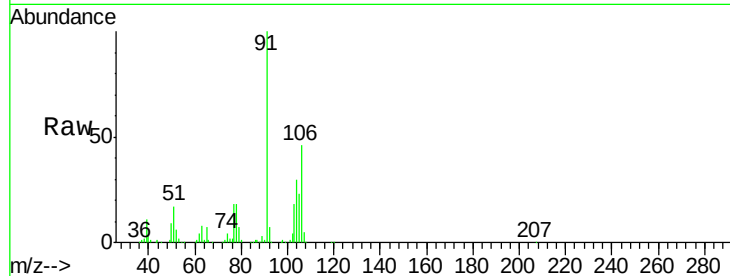
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	104.7	313.9	

Manual Integrations
APPROVED

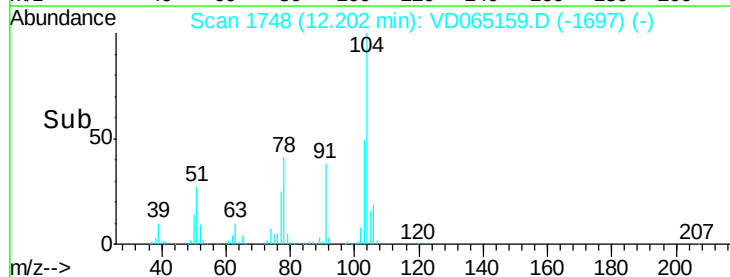
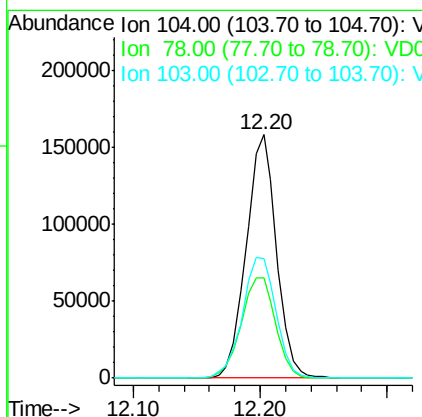
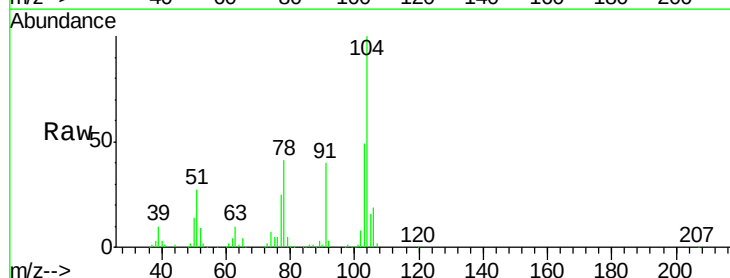
MMDadoda

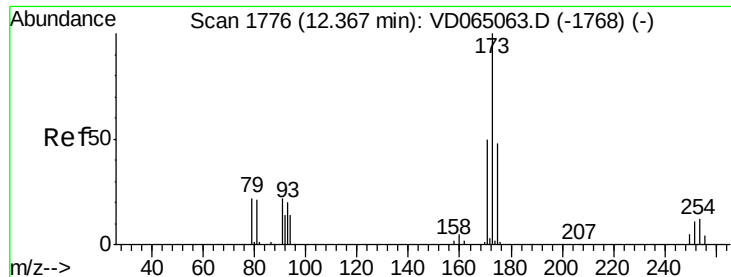
2/13/2020 10:58:56 AM



#70
Styrene
Concen: 19.591 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	38.5	57.7	
103	55.3	43.8	65.8	





#71
Bromoform
Concen: 19.214 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

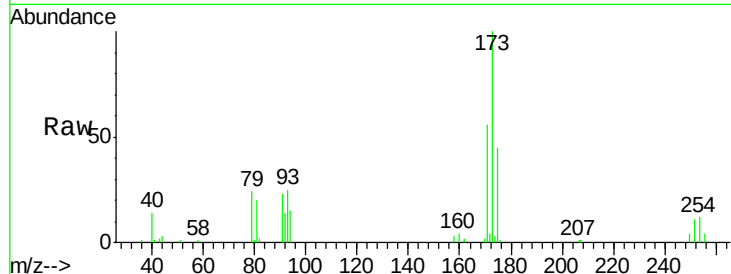
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.1	0.1#

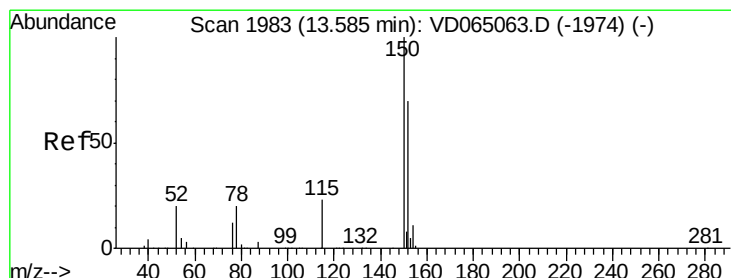
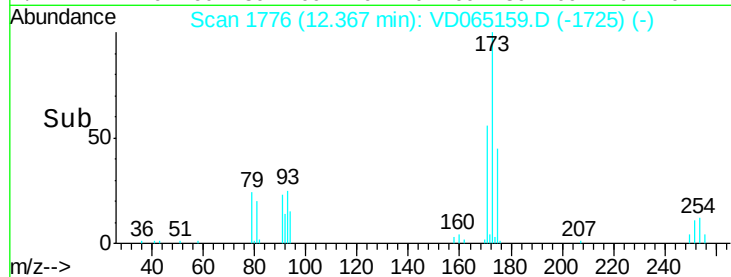
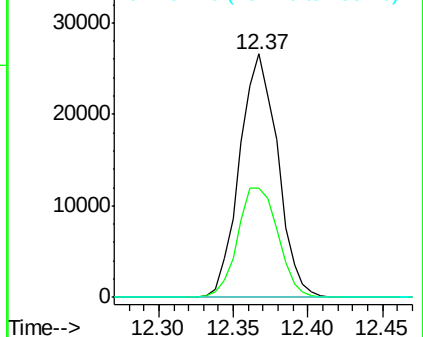
Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM

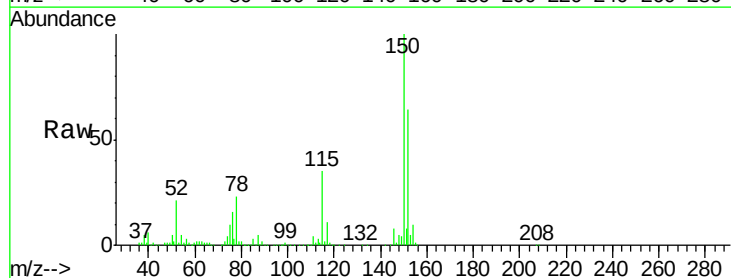


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

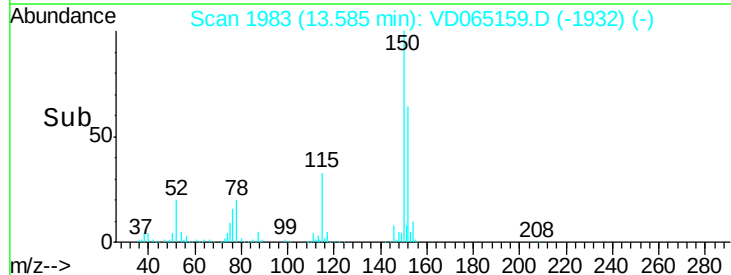
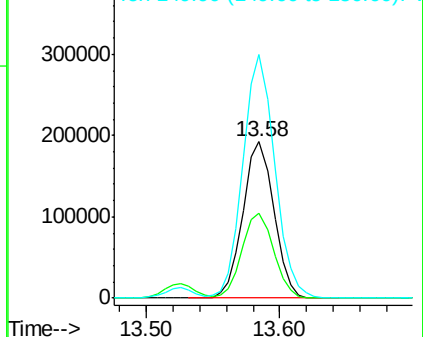


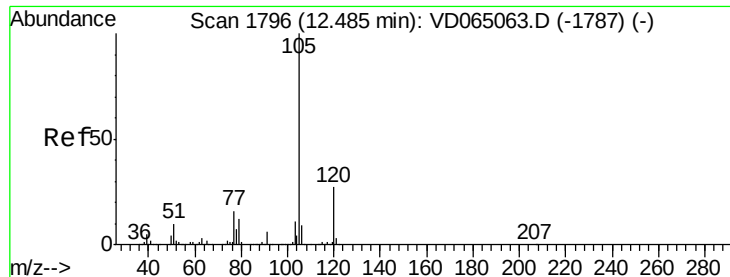
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	160.5	0.0	343.2



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





#73

Isopropylbenzene

Concen: 19.379 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD0212SBS01

Tot Ion: 105 Resp: 410939

Ion Ratio Lower Upper

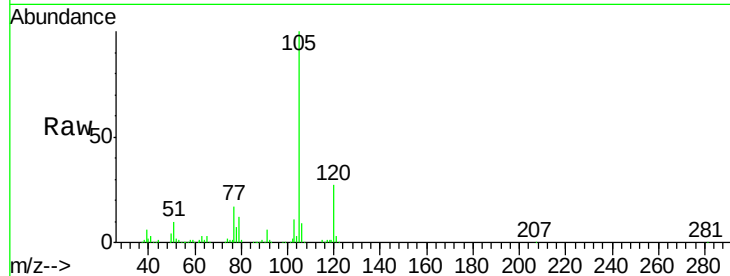
105 100

120 26.8 13.3 39.9

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

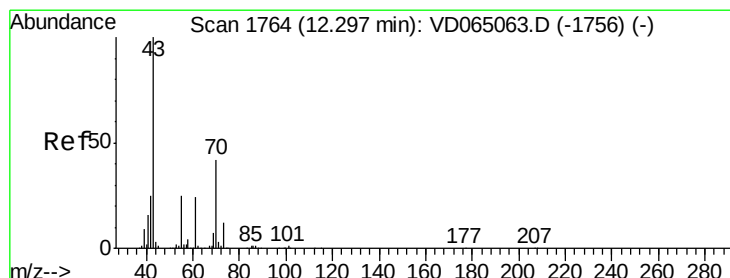
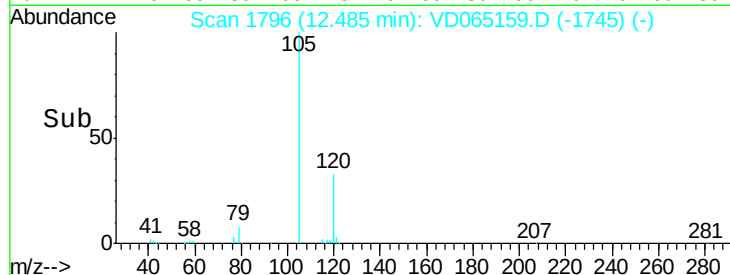
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.127 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion: 43 Resp: 78942

Ion Ratio Lower Upper

43 100

70 42.4 33.5 50.3

55 27.0 19.4 29.2

61 24.0 18.6 28.0

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

80000

60000

40000

20000

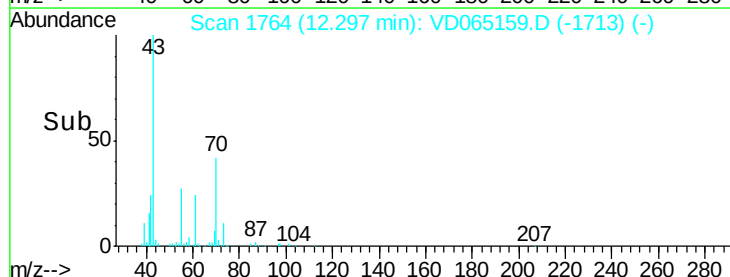
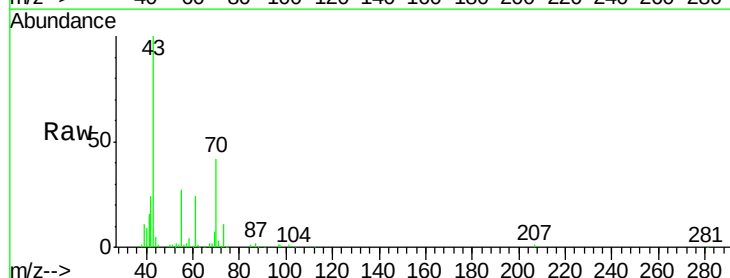
0

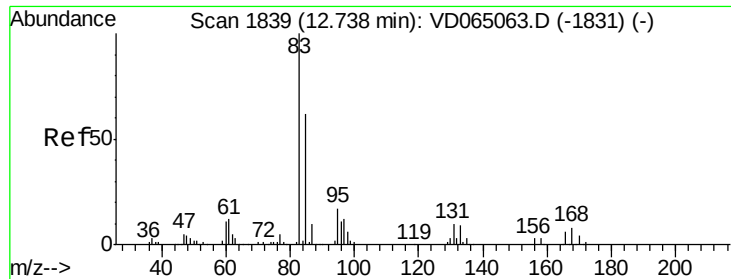
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

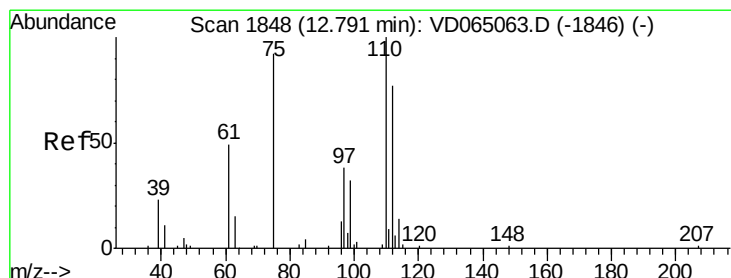
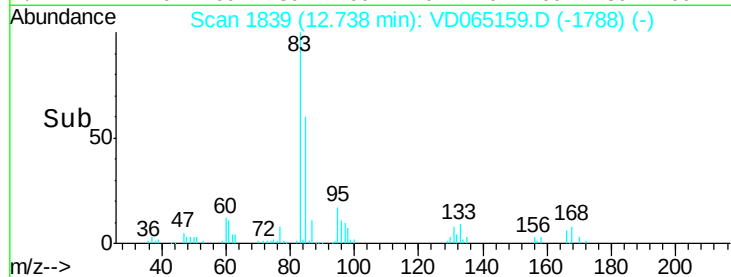
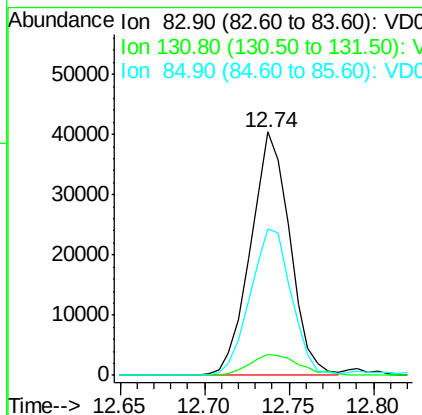
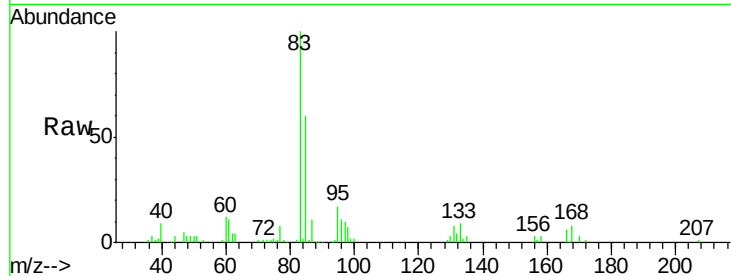
VD0212SBS01

Tot Ion:	83	Resp:	65367
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	63.3	31.8	95.4

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#76

1,2,3-Trichloropropane

Concen: 18.038 ug/l m

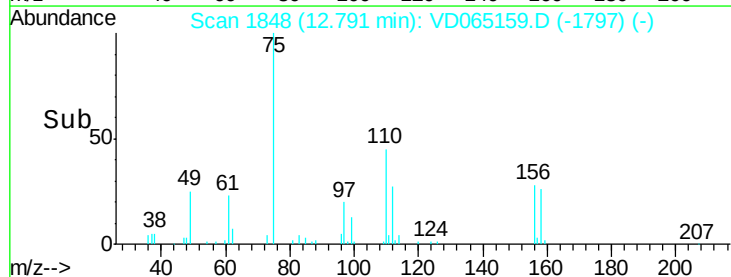
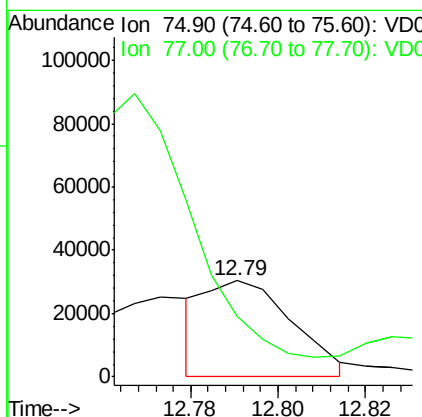
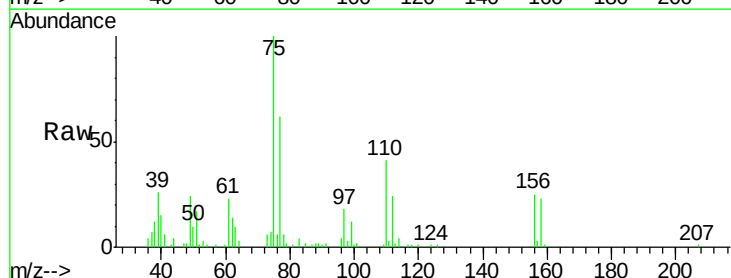
RT: 12.79 min Scan# 1848

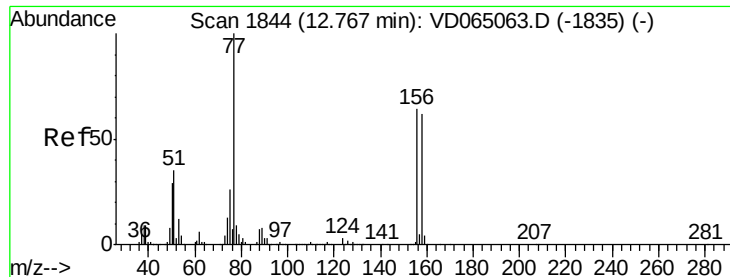
Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion:	75	Resp:	42192
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.105 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

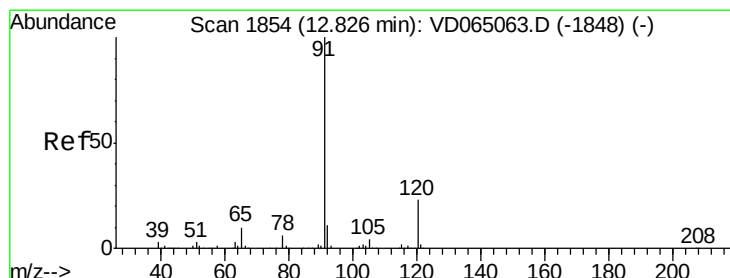
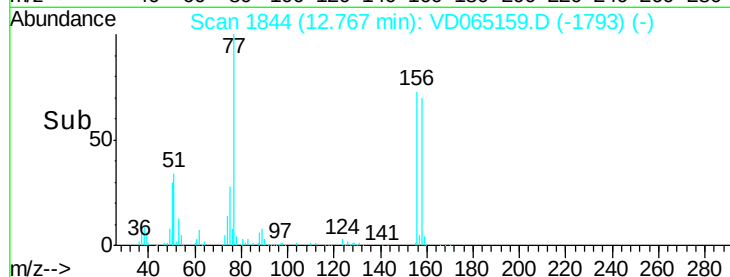
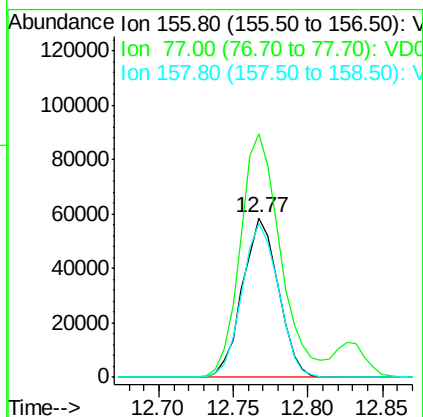
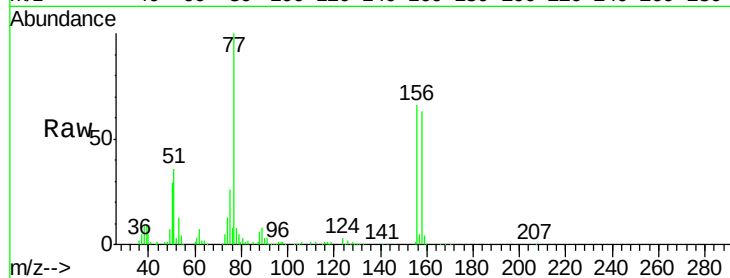
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.9	85.6	256.8
158	97.6	47.4	142.2

Manual Integrations
APPROVED

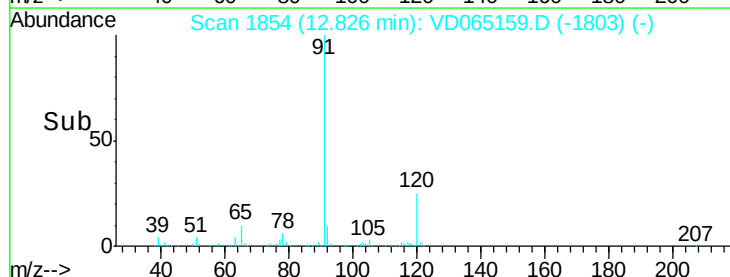
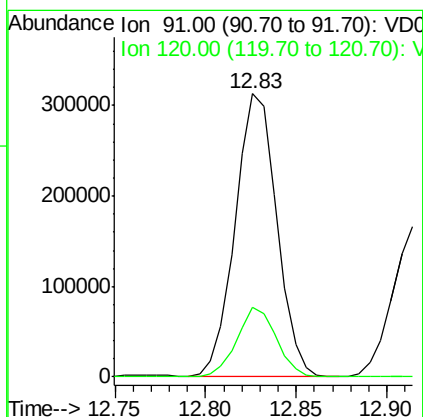
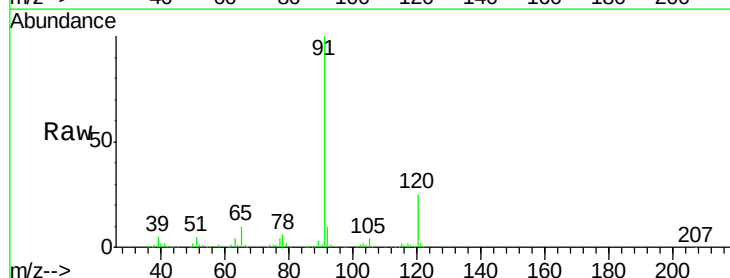
MMDadoda

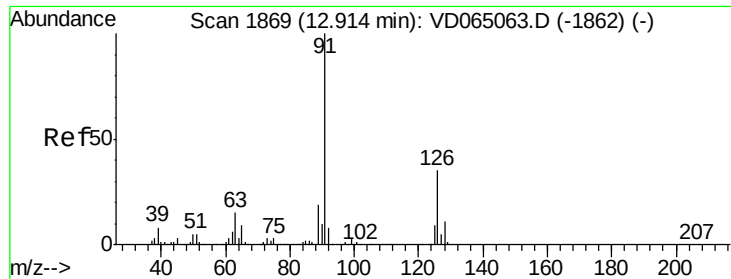
2/13/2020 10:58:56 AM



#78
n-propylbenzene
Concen: 20.121 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.3





#79
 2-Chlorotoluene
 Concen: 19.949 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

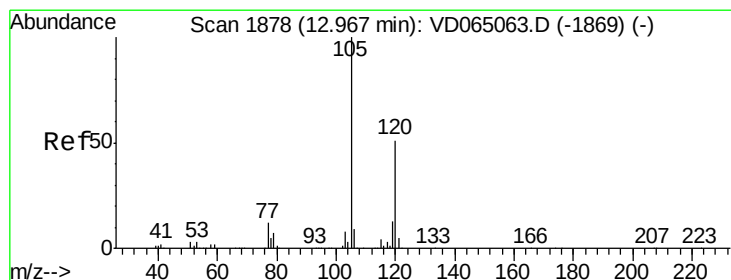
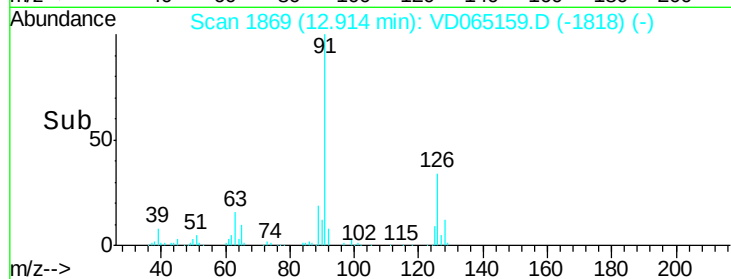
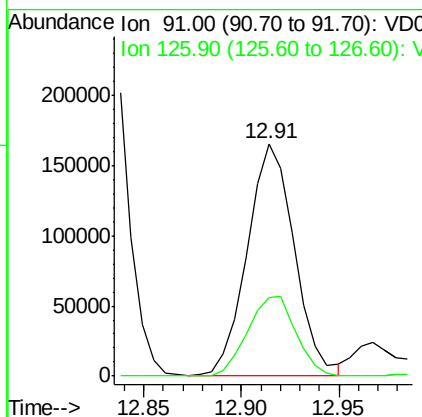
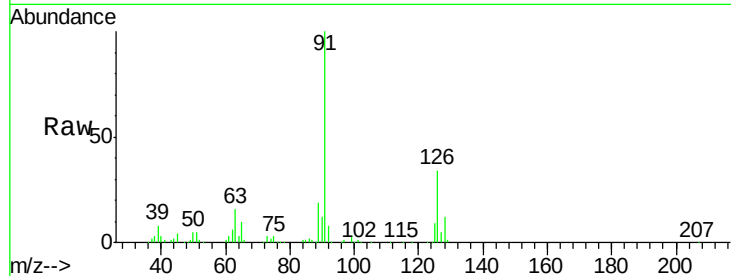
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3

Manual Integrations
 APPROVED

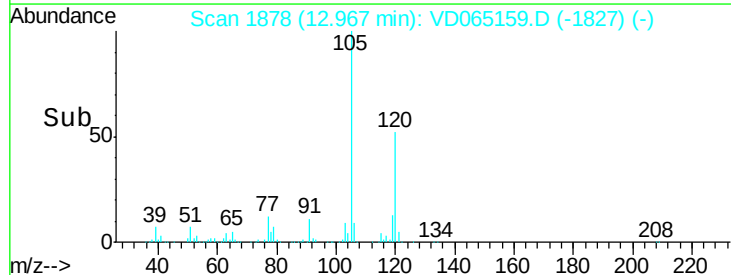
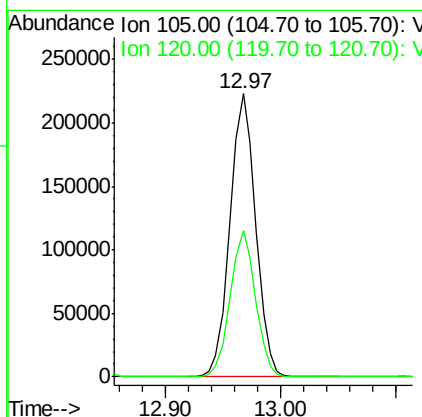
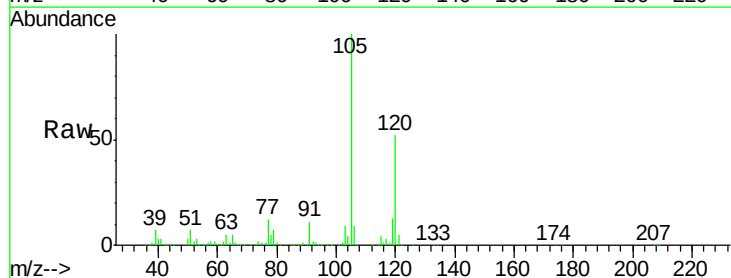
MMDadoda

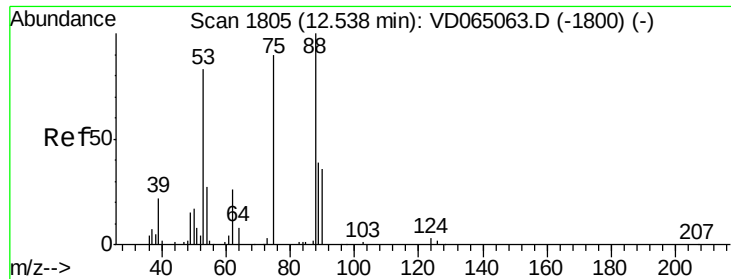
2/13/2020 10:58:56 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.797 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.1	75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.751 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

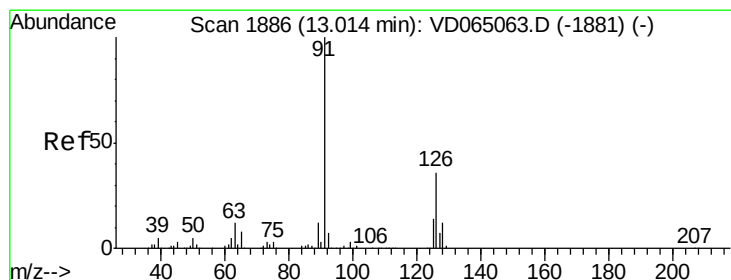
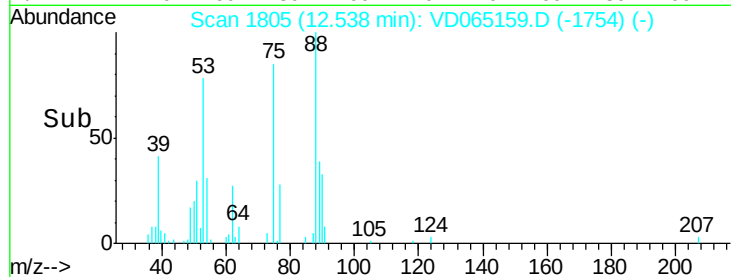
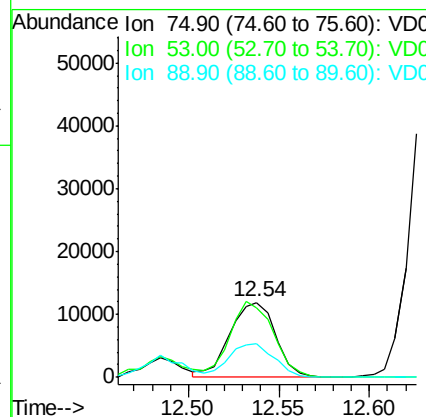
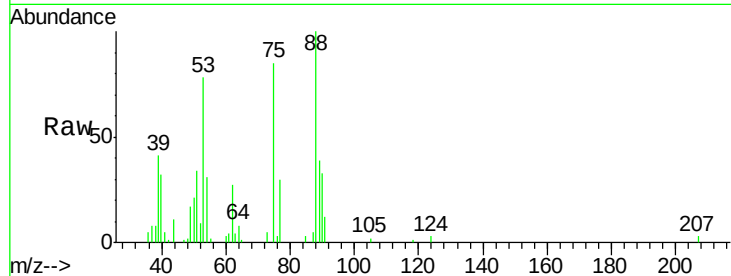
VD0212SBS01

Tot Ion:	75	Resp:	20762
Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.5	117.7
89	45.5	37.0	55.4

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#82

4-Chlorotoluene

Concen: 20.010 ug/l

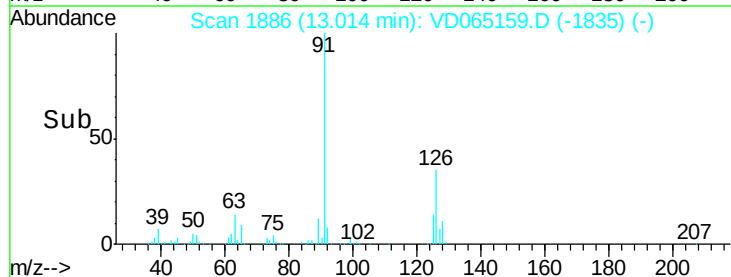
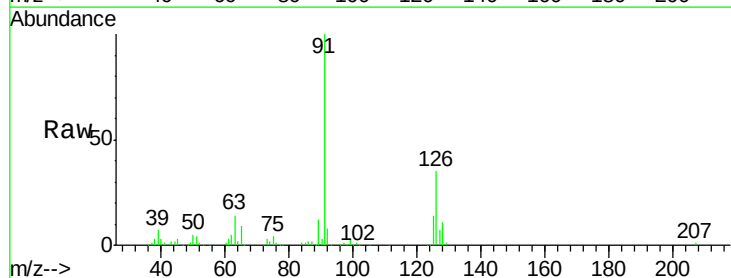
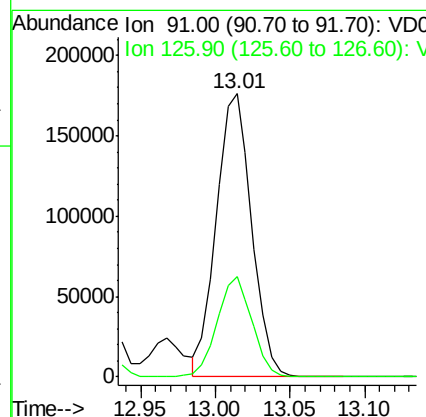
RT: 13.01 min Scan# 1886

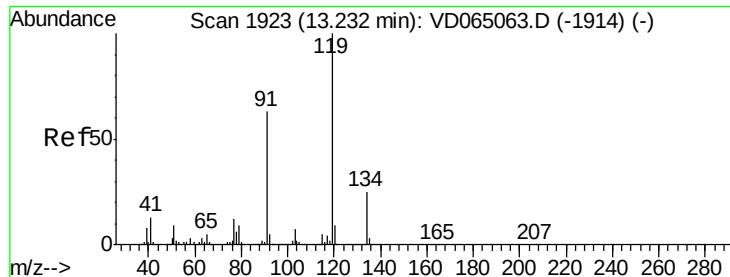
Delta R.T. 0.00 min

Lab File: VD065159.D

Acq: 12 Feb 2020 11:31

Tgt Ion:	91	Resp:	290905
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





#83
 tert-Butylbenzene
 Concen: 18.993 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

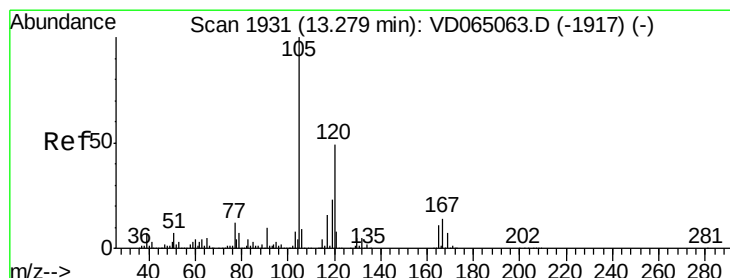
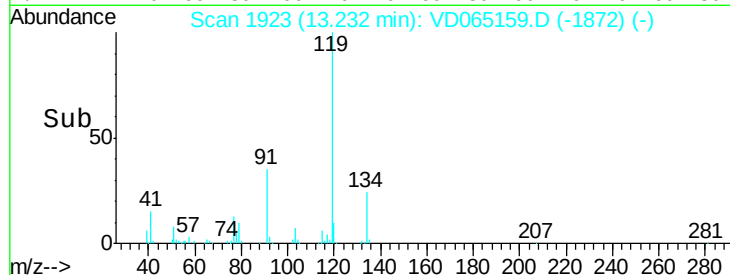
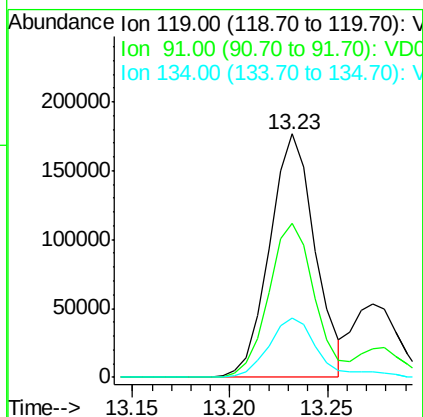
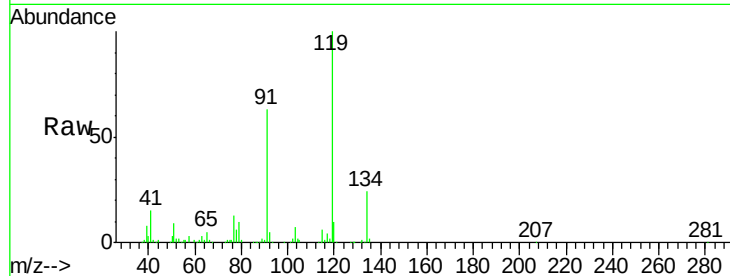
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284261		
91	64.7	32.3	96.9	
134	26.9	13.8	41.3	

Manual Integrations
 APPROVED

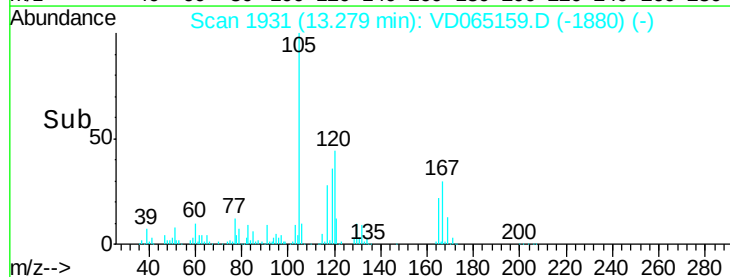
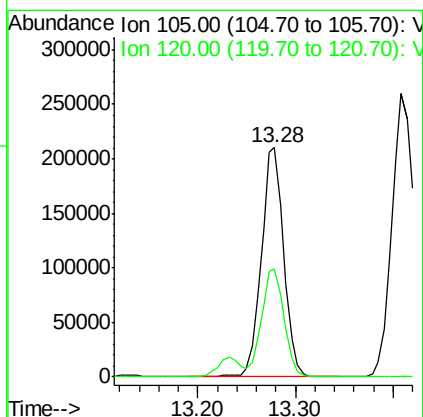
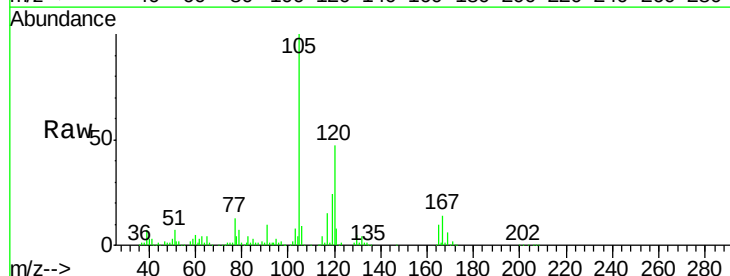
MMDadoda

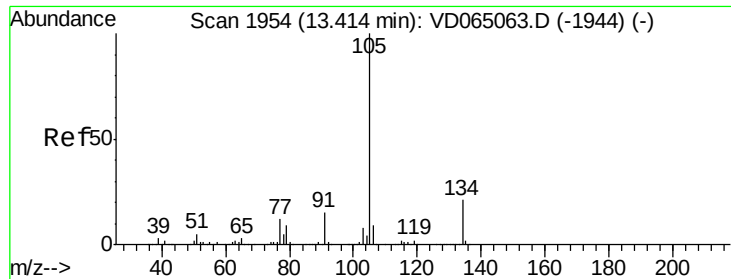
2/13/2020 10:58:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.648 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338390		
120	47.4	23.5	70.5	





#85
 sec-Butylbenzene
 Concen: 20.129 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

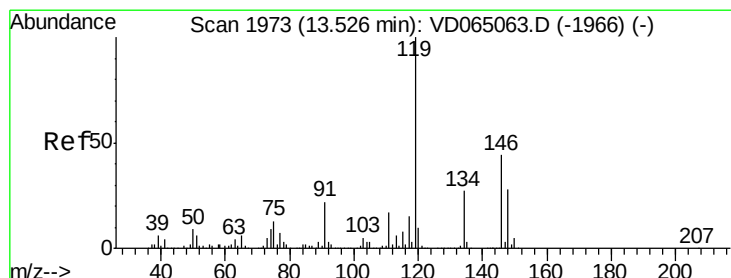
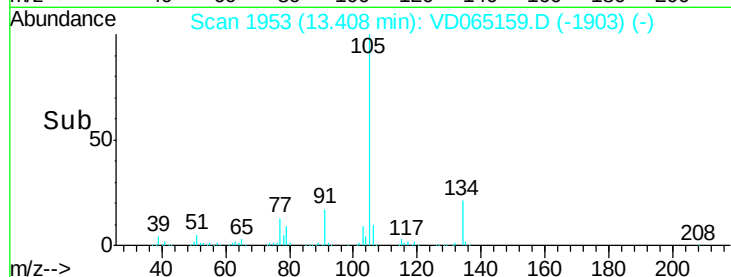
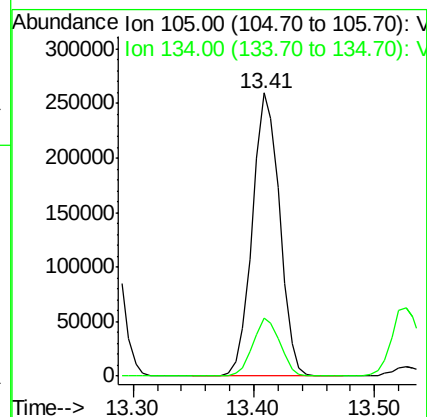
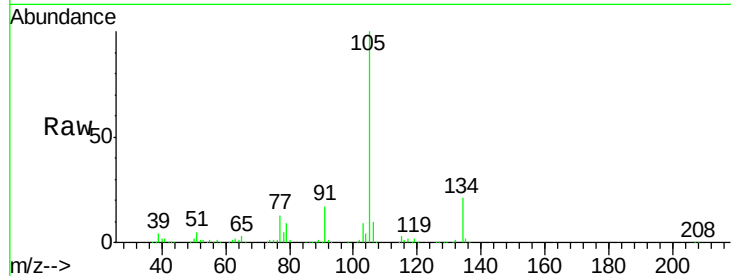
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.1

Manual Integrations
 APPROVED

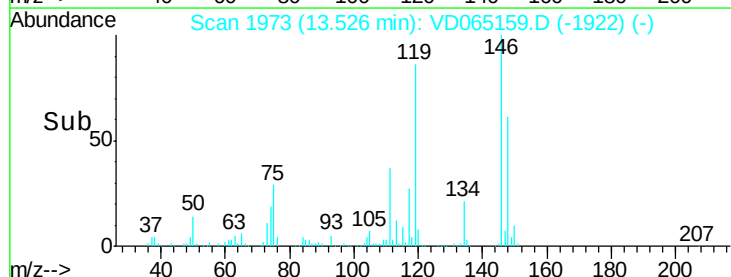
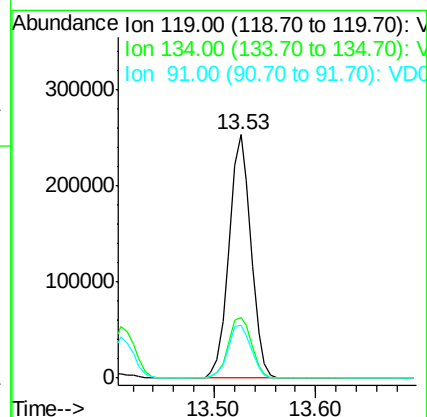
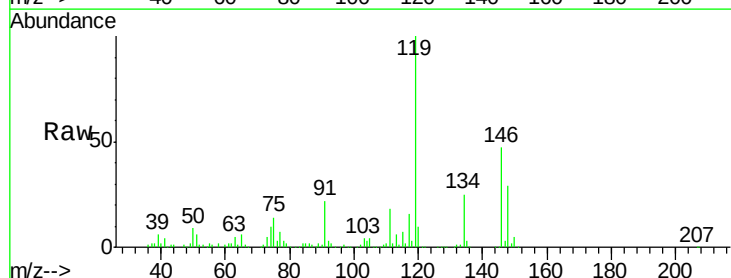
MMDadoda

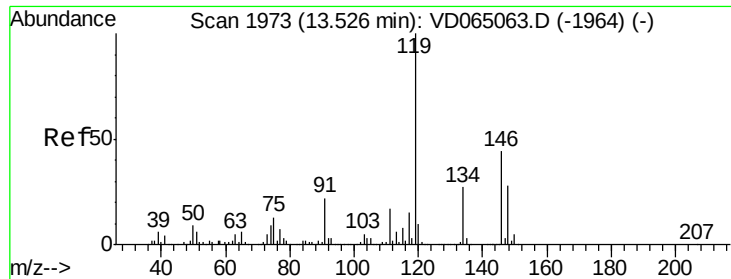
2/13/2020 10:58:56 AM



#86
 p-Isopropyltoluene
 Concen: 19.960 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	22.6	11.3	33.9





#87
 1,3-Dichlorobenzene
 Concen: 20.061 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

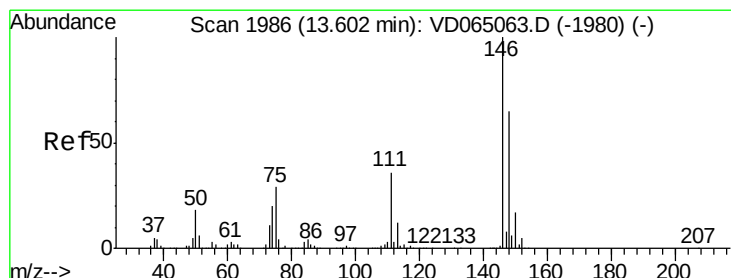
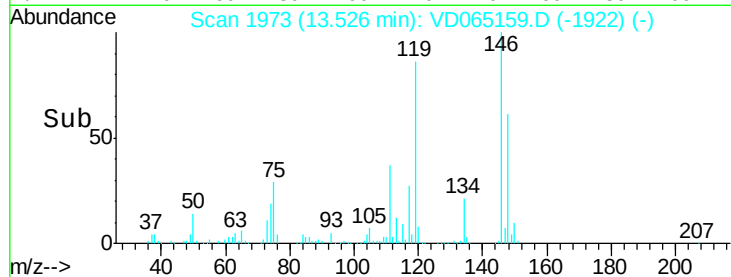
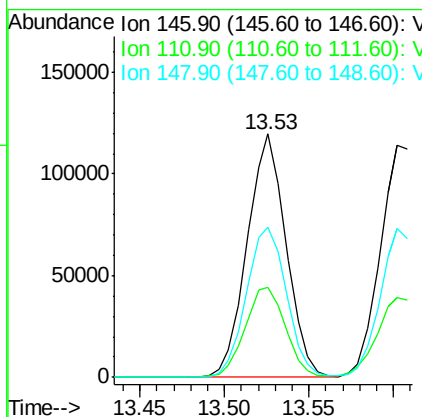
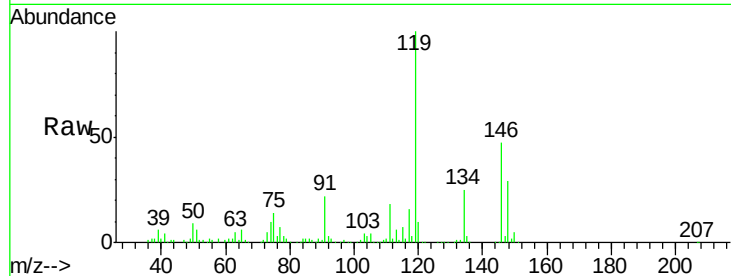
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191899		
111	38.6	19.4	58.4	
148	63.8	32.3	96.8	

Manual Integrations
 APPROVED

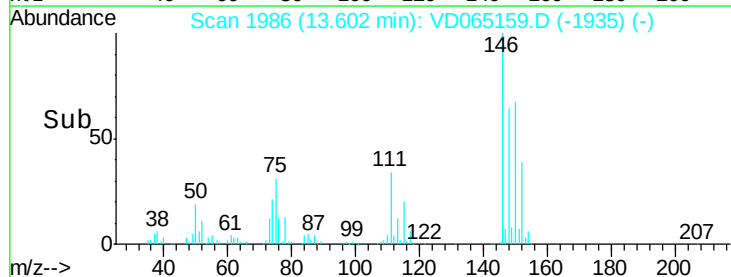
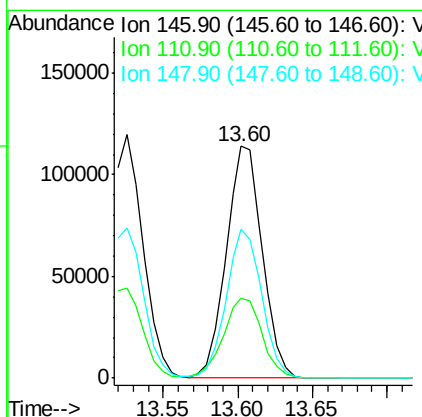
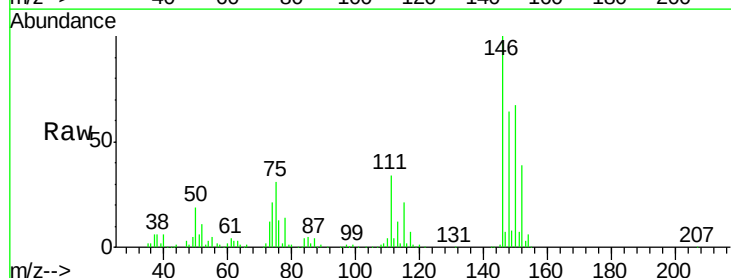
MMDadoda

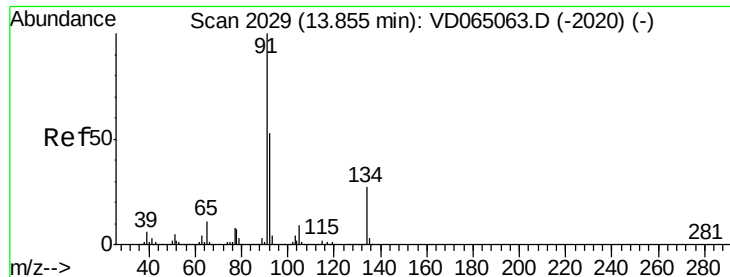
2/13/2020 10:58:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.125 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191603		
111	37.0	18.5	55.5	
148	63.4	32.7	98.1	





#89
n-Butylbenzene
Concen: 19.850 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

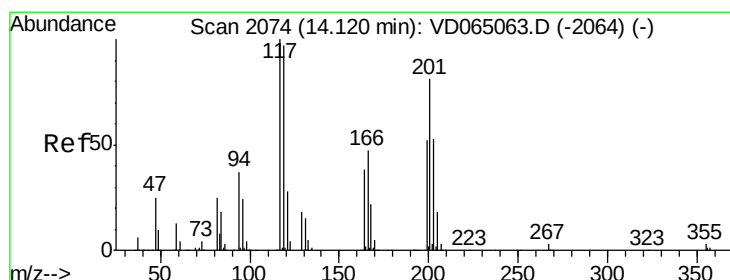
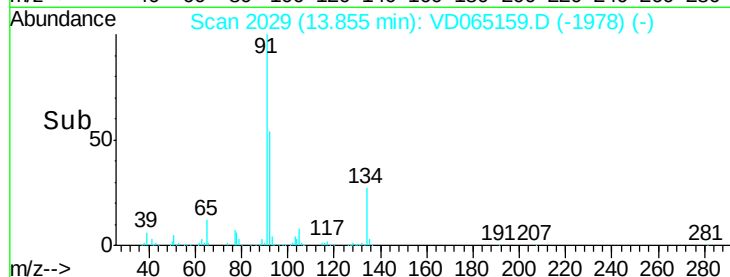
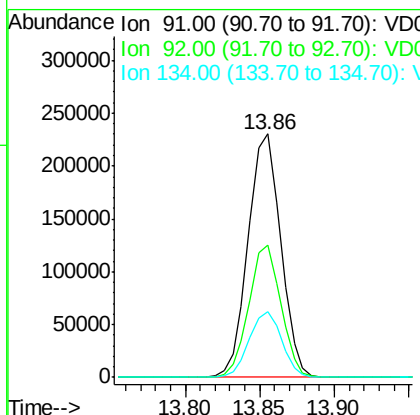
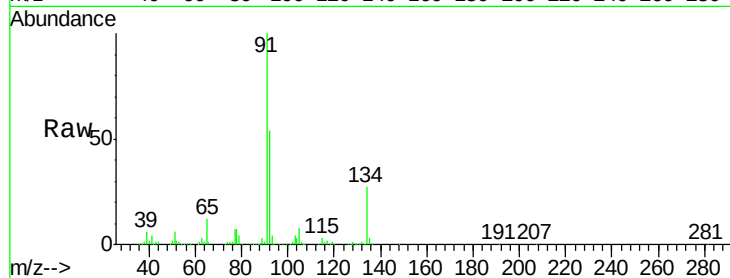
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	26.8	13.4	40.2

Manual Integrations
APPROVED

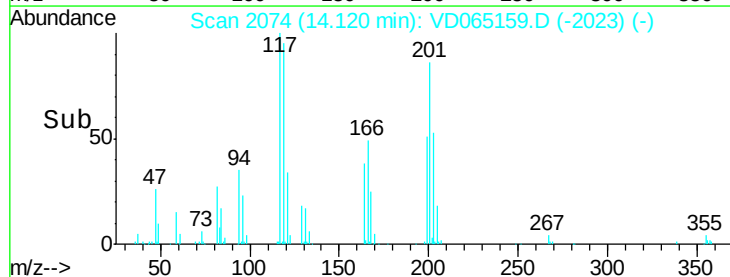
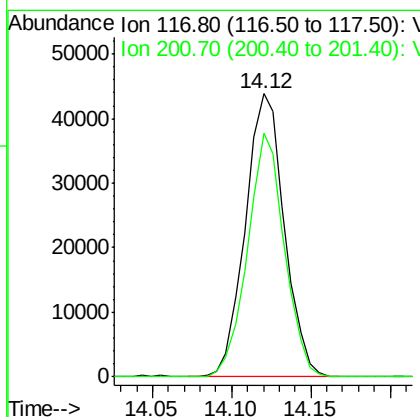
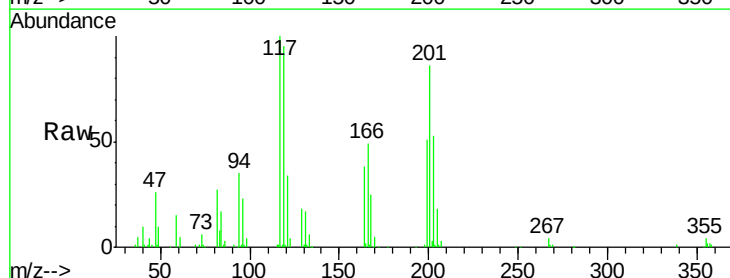
MMDadoda

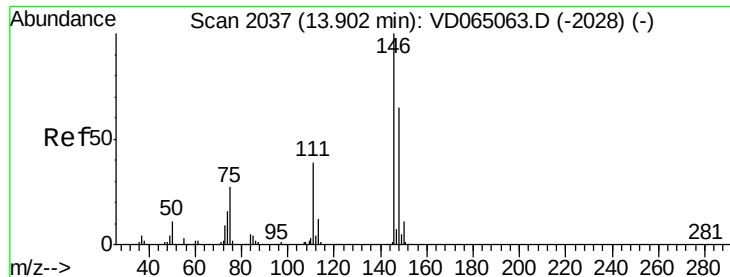
2/13/2020 10:58:56 AM



#90
Hexachloroethane
Concen: 20.810 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	42.5	127.6





#91
 1,2-Dichlorobenzene
 Concen: 19.346 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

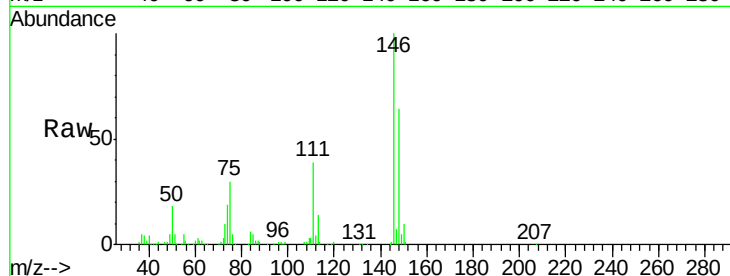
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.1	31.9	95.5

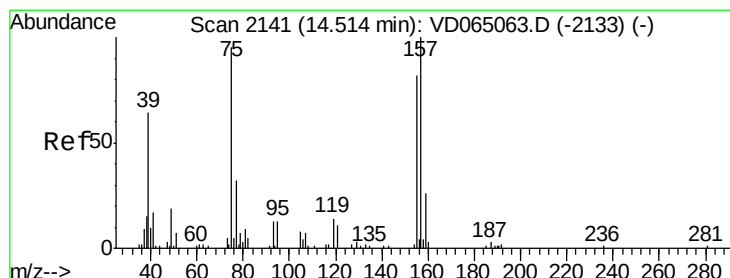
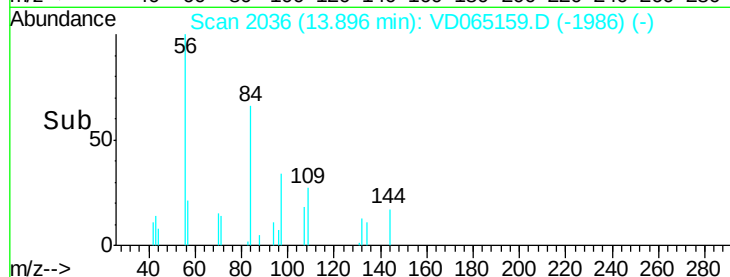
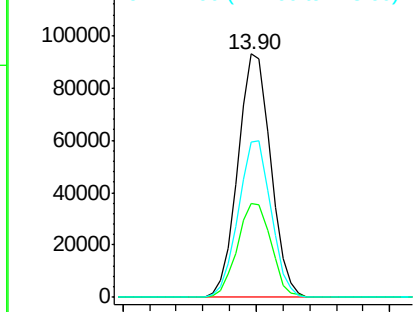
Manual Integrations
 APPROVED

MMDadoda

2/13/2020 10:58:56 AM

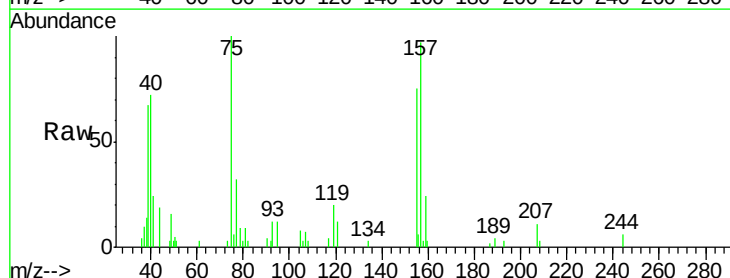


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

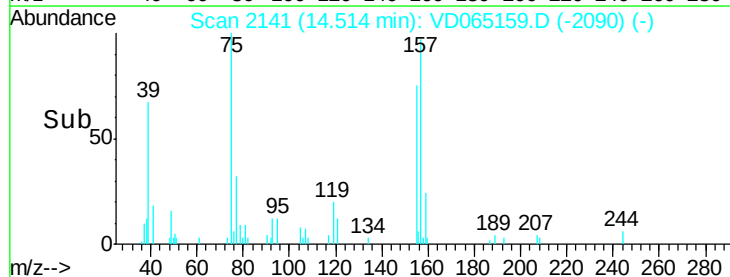
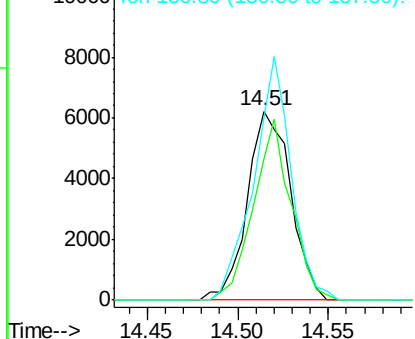


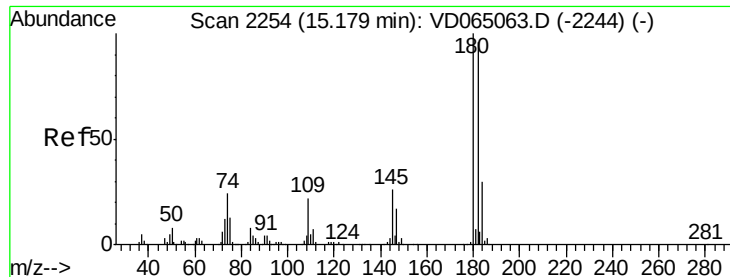
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.968 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	43.4	130.1
157	111.5	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93
 1,2,4-Trichlorobenzene
 Concen: 18.524 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

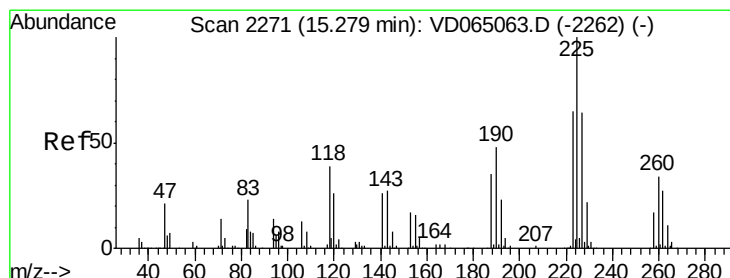
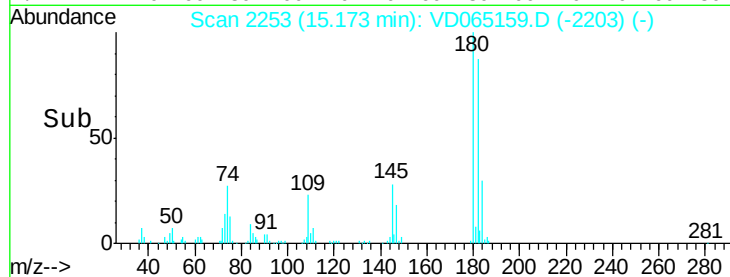
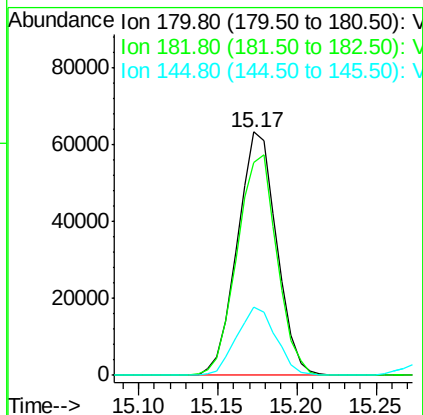
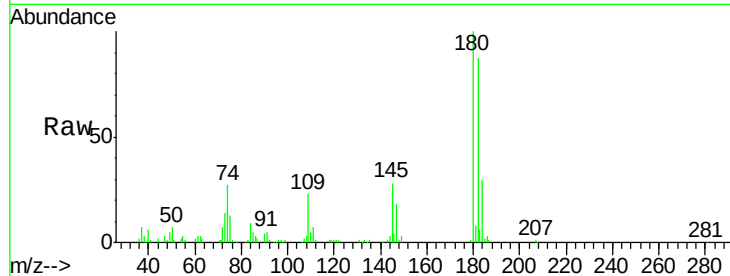
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Tot Ion:	180	Resp:	108481
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.4	142.3
145	28.1	14.1	42.4

Manual Integrations
 APPROVED

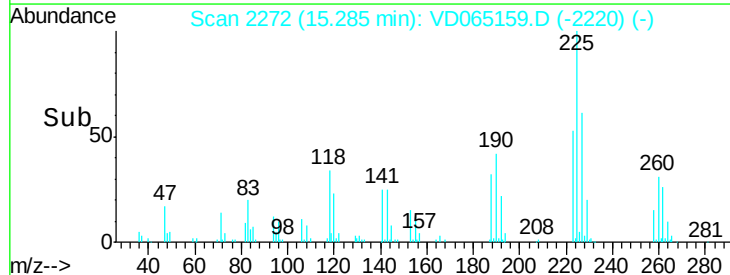
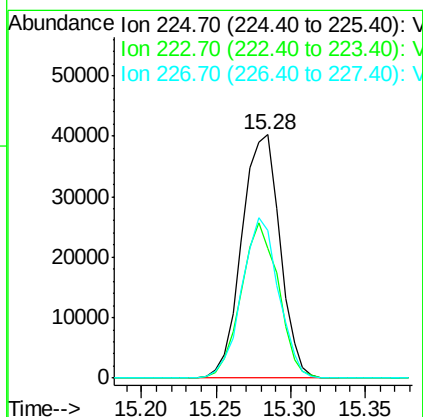
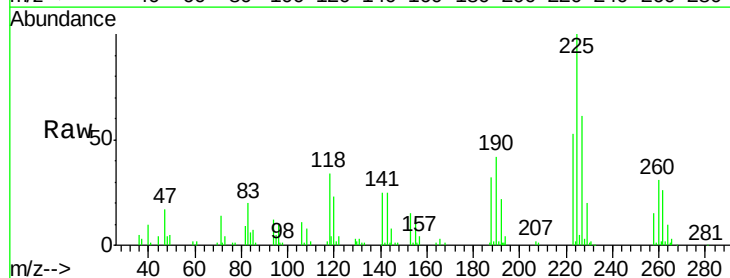
MMDadoda

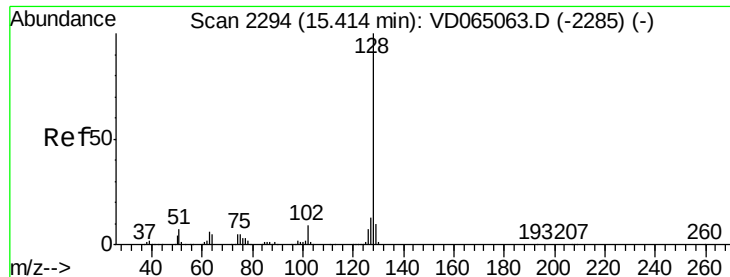
2/13/2020 10:58:56 AM



#94
 Hexachlorobutadiene
 Concen: 19.778 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065159.D
 Acq: 12 Feb 2020 11:31

Tgt Ion:	225	Resp:	71217
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.4	94.0
227	63.4	31.8	95.3





#95
Naphthalene
Concen: 16.226 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

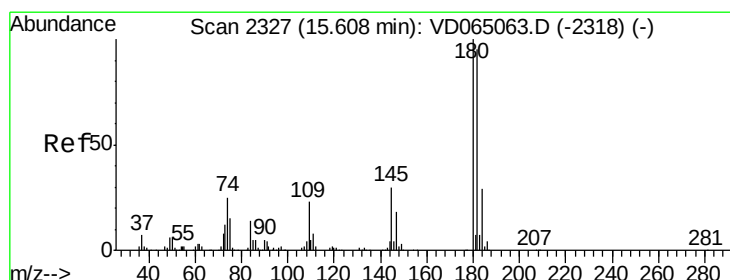
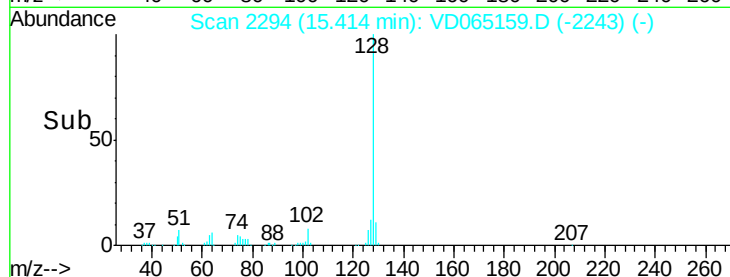
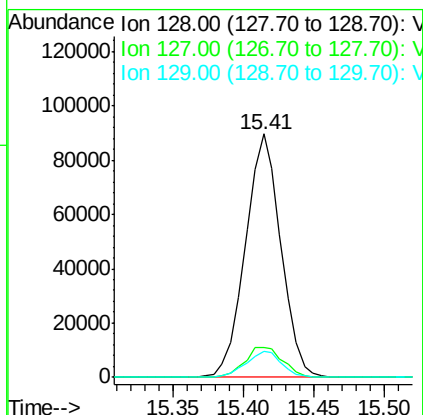
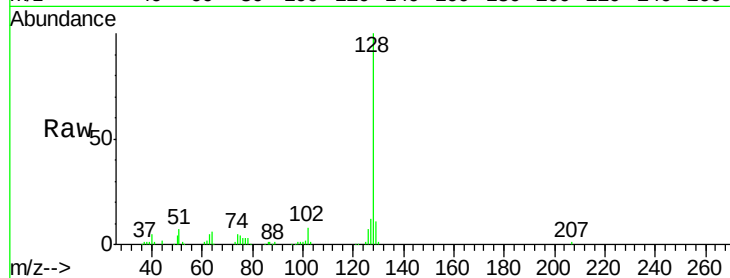
Instrument :
MSVOA_D
ClientSampleId :
VD0212SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda

2/13/2020 10:58:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.508 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065159.D
Acq: 12 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.1	141.4
145	29.9	14.9	44.9

