

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064210.D
 Acq On : 14 Nov 2019 12:44
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:07 PM

Quant Time: Nov 15 06:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	646130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	905614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	787148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	375820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270723	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.91	113	270957	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.34	98	1038334	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.63	95	344724	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114336	21.336	ug/l	96
3) Chloromethane	2.21	50	134160	23.340	ug/l	98
4) Vinyl Chloride	2.35	62	148799	24.208	ug/l	100
5) Bromomethane	2.76	94	95133	24.510	ug/l	96
6) Chloroethane	2.91	64	97501	24.824	ug/l	91
7) Trichlorofluoromethane	3.26	101	247828	24.868	ug/l	96
8) Diethyl Ether	3.70	74	54608	19.929	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	120891	21.224	ug/l	97
10) Methyl Iodide	4.29	142	112232	18.591	ug/l	100
11) Tert butyl alcohol	5.25	59	33839	91.170	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	117545	21.650	ug/l	96
13) Acrolein	3.93	56	27141	86.438	ug/l	95
14) Allyl chloride	4.70	41	188233	19.609	ug/l	93
15) Acrylonitrile	5.43	53	115774	99.107	ug/l	100
16) Acetone	4.17	43	104481	82.994	ug/l	94
17) Carbon Disulfide	4.39	76	352483	20.847	ug/l	99
18) Methyl Acetate	4.72	43	69899	19.879	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	260145	20.071	ug/l	97
20) Methylene Chloride	4.96	84	127776	20.093	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	128242	20.848	ug/l	91
22) Diisopropyl ether	6.37	45	352283	19.779	ug/l	97
23) Vinyl Acetate	6.31	43	998348	100.555	ug/l	99
24) 1,1-Dichloroethane	6.26	63	218966	21.173	ug/l	99
25) 2-Butanone	7.22	43	151148	92.932	ug/l	94
26) 2,2-Dichloropropane	7.20	77	203370	20.053	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	140529	21.304	ug/l	97
28) Bromochloromethane	7.54	49	65597	18.219	ug/l	96
29) Tetrahydrofuran	7.56	42	96519	98.772	ug/l	98
30) Chloroform	7.71	83	228285	21.580	ug/l	99
31) Cyclohexane	7.98	56	215756	20.687	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	211337	20.864	ug/l	99
36) 1,1-Dichloropropene	8.11	75	176170	21.078	ug/l	99
37) Ethyl Acetate	7.30	43	69571	19.745	ug/l	99
38) Carbon Tetrachloride	8.09	117	191456	21.408	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064210.D
 Acq On : 14 Nov 2019 12:44
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:07 PM

Quant Time: Nov 15 06:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	227022	21.466	ug/l	98
40) Benzene	8.35	78	483682	21.175	ug/l	98
41) Methacrylonitrile	7.53	41	36736	16.588	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	144198	21.018	ug/l	100
43) Isopropyl Acetate	8.46	43	139432	19.206	ug/l	99
44) Trichloroethene	9.11	130	147719	21.546	ug/l	99
45) 1,2-Dichloropropane	9.38	63	117742	21.177	ug/l	97
46) Dibromomethane	9.47	93	59226	19.898	ug/l	99
47) Bromodichloromethane	9.66	83	172659	21.535	ug/l	95
48) Methyl methacrylate	9.46	41	69452	19.564	ug/l	98
49) 1,4-Dioxane	9.47	88	14346	401.313	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	339223	97.437	ug/l	100
52) Toluene	10.40	92	317357	21.128	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	163585	20.366	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	193461	20.640	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84634	20.960	ug/l	98
56) Ethyl methacrylate	10.66	69	108262	19.167	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142853	20.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	231944	101.373	ug/l	99
59) 2-Hexanone	10.99	43	234495	94.674	ug/l	100
60) Dibromochloromethane	11.14	129	117420	20.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84706	20.945	ug/l	98
64) Tetrachloroethene	10.87	164	128735	21.265	ug/l	98
65) Chlorobenzene	11.67	112	333801	20.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	120506	19.799	ug/l	98
67) Ethyl Benzene	11.74	91	617015	21.311	ug/l	99
68) m/p-Xylenes	11.86	106	451103	40.648	ug/l	99
69) o-Xylene	12.18	106	213387	20.732	ug/l	99
70) Styrene	12.20	104	367065	20.431	ug/l	99
71) Bromoform	12.36	173	71074	20.519	ug/l #	98
73) Isopropylbenzene	12.48	105	591834	21.455	ug/l	99
74) N-amyl acetate	12.29	43	127241	19.533	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	88417	21.272	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	65723m	21.711	ug/l	
77) Bromobenzene	12.76	156	135102	20.160	ug/l	99
78) n-propylbenzene	12.83	91	655113	20.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	360799	20.277	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	479280	21.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29989	19.679	ug/l	99
82) 4-Chlorotoluene	13.01	91	378264	20.382	ug/l	100
83) tert-Butylbenzene	13.23	119	422956	21.162	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	472874	21.131	ug/l	99
85) sec-Butylbenzene	13.41	105	556295	20.723	ug/l	99
86) p-Isopropyltoluene	13.52	119	516703	20.246	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	258784	20.802	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	257680	21.223	ug/l	98
89) n-Butylbenzene	13.85	91	464826	20.160	ug/l	99
90) Hexachloroethane	14.11	117	95773	20.306	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225075	21.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15330	20.628	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
Data File : VD064210.D
Acq On : 14 Nov 2019 12:44
Operator : VA/SY
Sample : VD1114SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

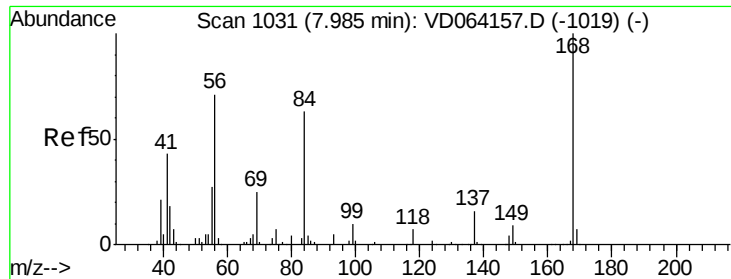
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM

Quant Time: Nov 15 06:01:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170431	20.983	ug/l	98
94) Hexachlorobutadiene	15.27	225	105856	20.177	ug/l	97
95) Naphthalene	15.41	128	282062	21.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	143655	20.806	ug/l	100

(#) = 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: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion:168 Resp: 646130

Ion Ratio Lower Upper

168 100

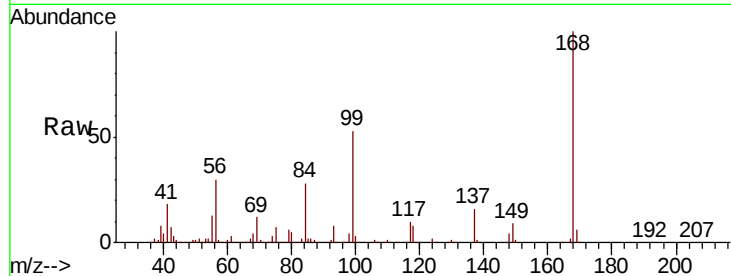
99 52.6 41.6 62.4

Manual Integrations

APPROVED

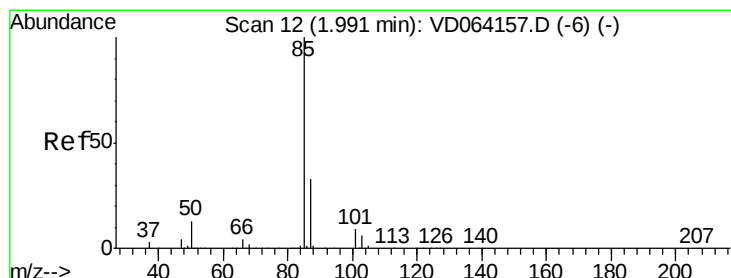
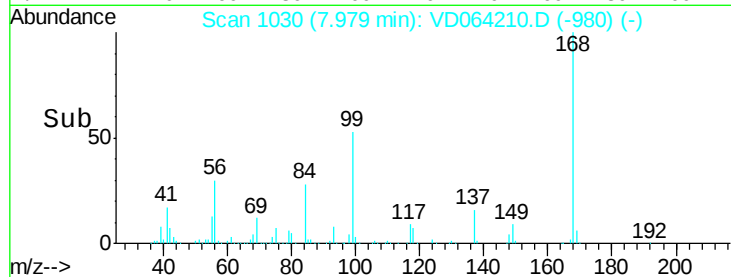
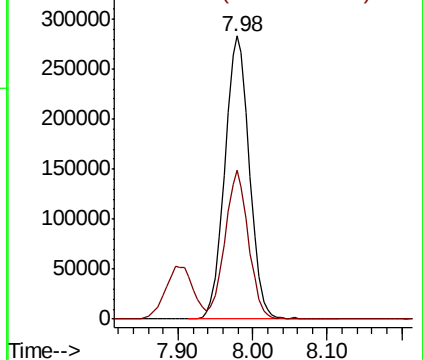
MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.336 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064210.D

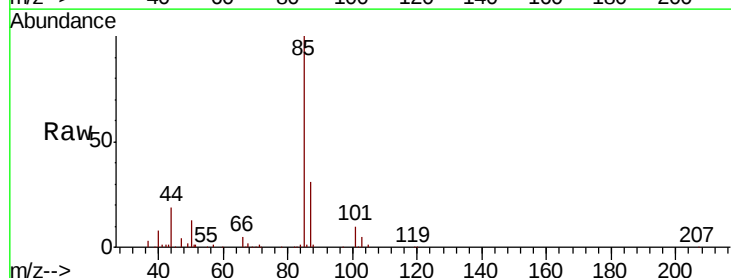
Acq: 14 Nov 2019 12:44

Tgt Ion: 85 Resp: 114336

Ion Ratio Lower Upper

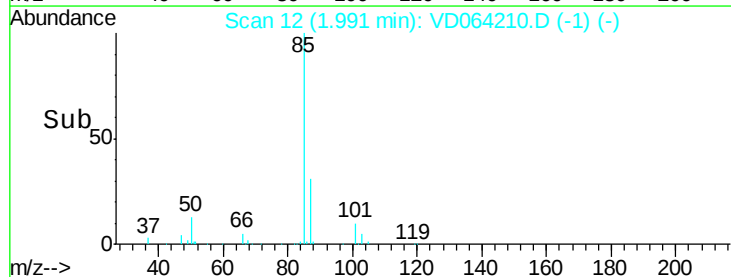
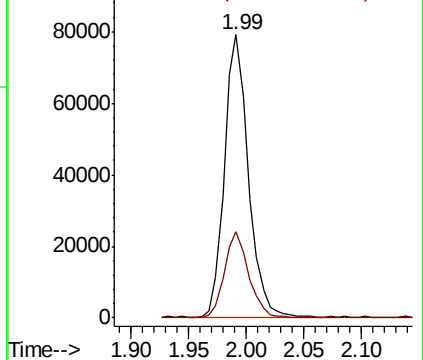
85 100

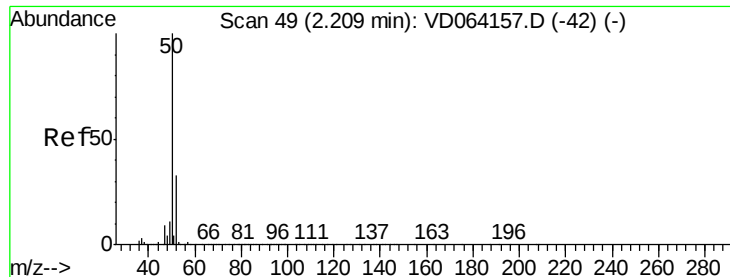
87 30.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.340 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 50 Resp: 134160

Ion Ratio Lower Upper

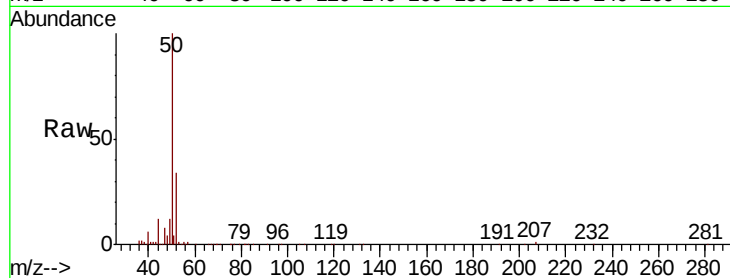
50 100

52 34.0 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

40000

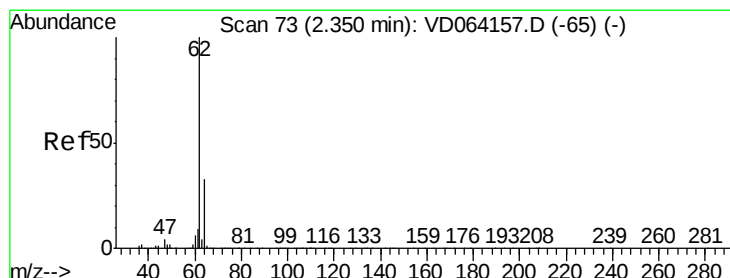
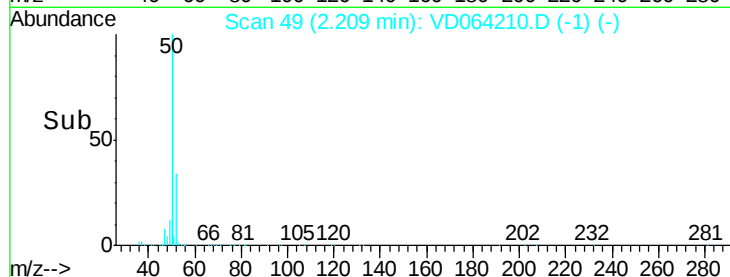
20000

0

2.21

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 24.208 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064210.D

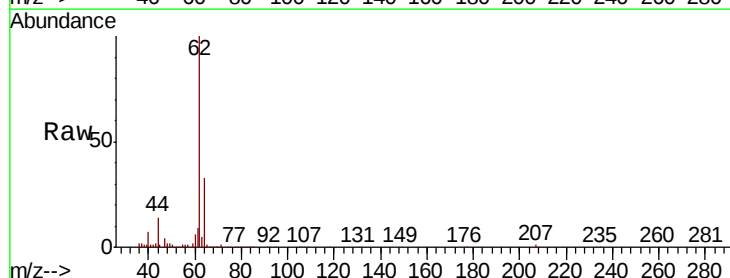
Acq: 14 Nov 2019 12:44

Tgt Ion: 62 Resp: 148799

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

100000

80000

60000

40000

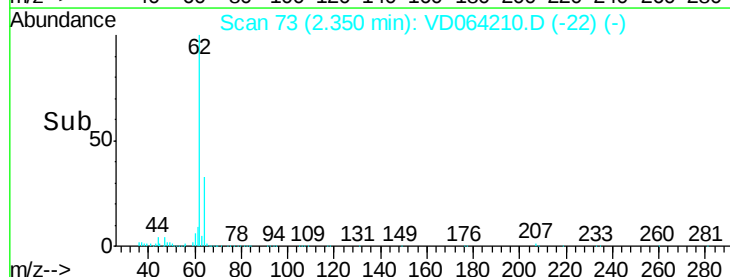
20000

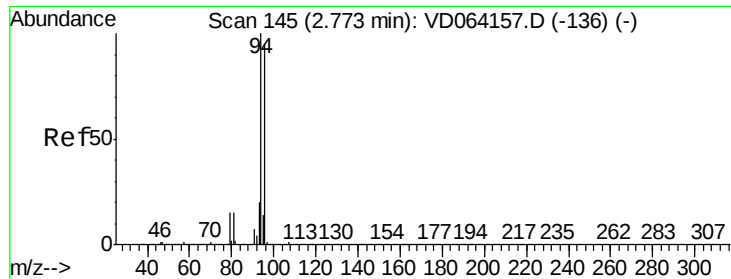
0

2.35

2.30 2.40

Time-->





#5

Bromomethane

Concen: 24.510 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 94 Resp: 95133

Ion Ratio Lower Upper

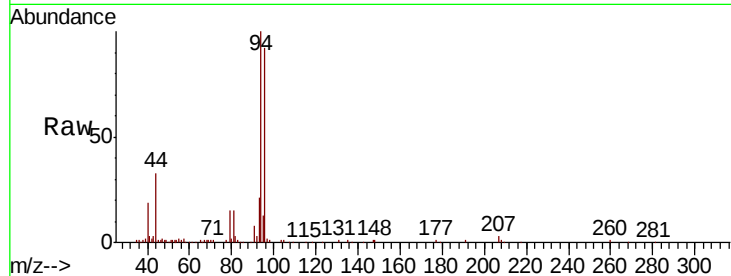
94 100

96 90.9 76.2 114.4

Manual Integrations
APPROVED

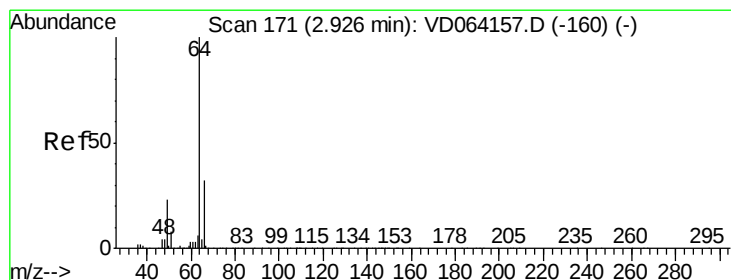
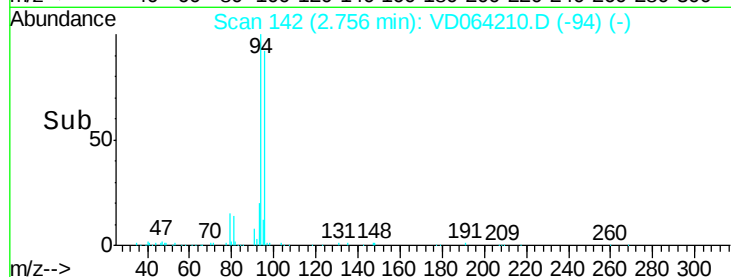
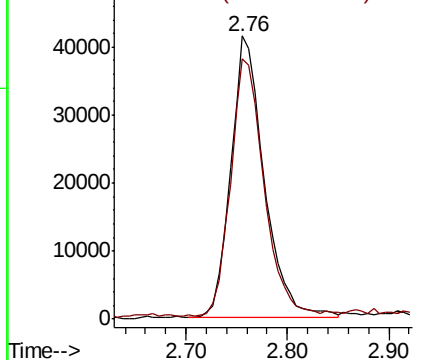
MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.824 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064210.D

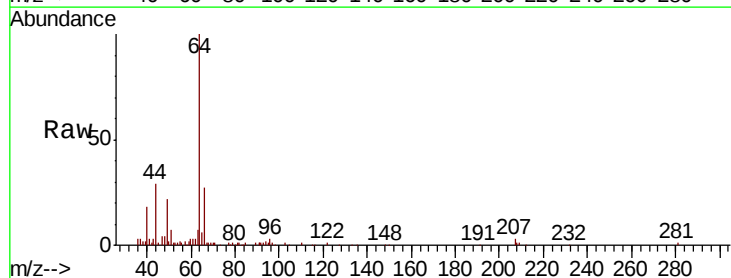
Acq: 14 Nov 2019 12:44

Tgt Ion: 64 Resp: 97501

Ion Ratio Lower Upper

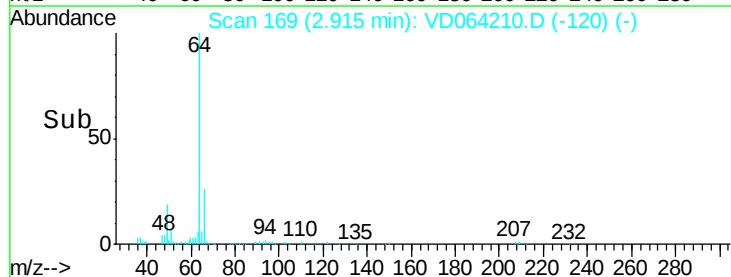
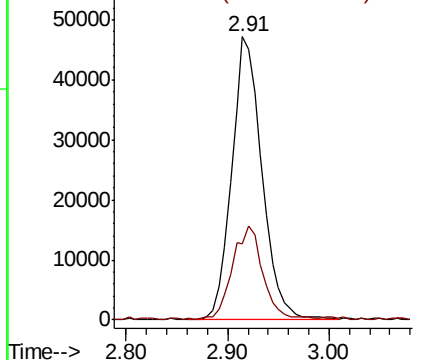
64 100

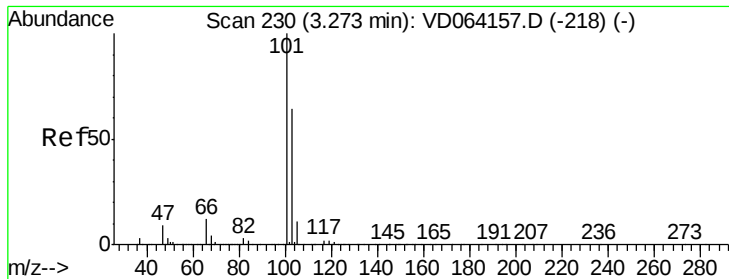
66 26.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

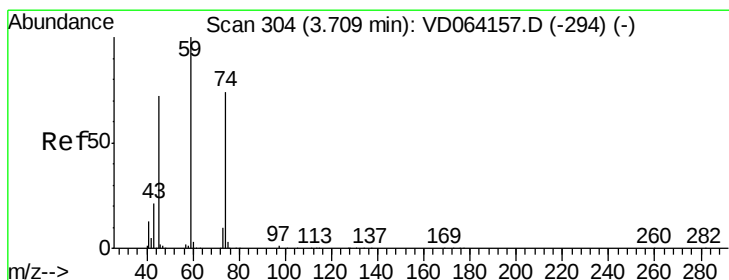
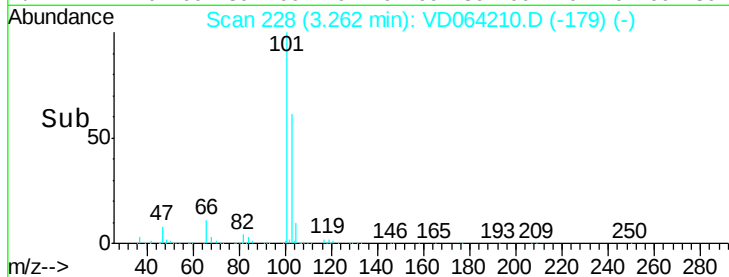
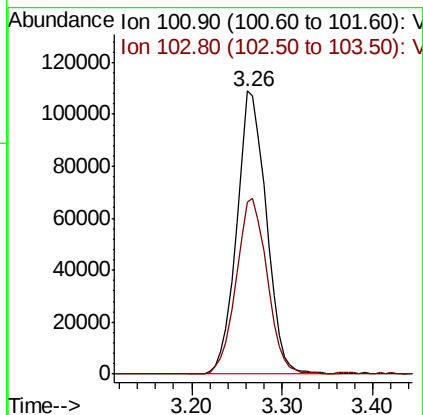
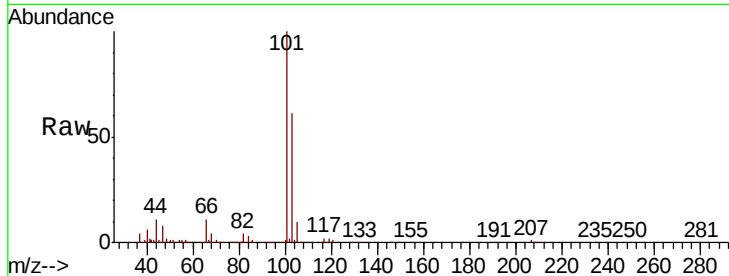
Trichlorofluoromethane
 Concen: 24.868 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.8	76.2

Manual Integrations
 APPROVED

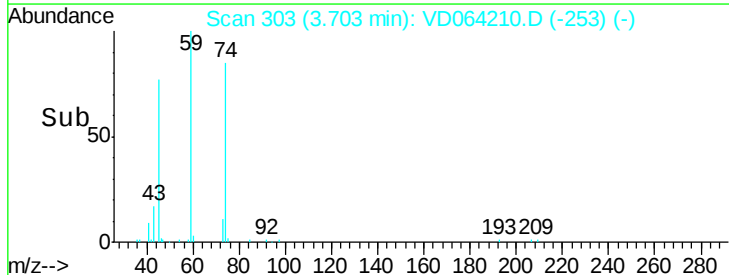
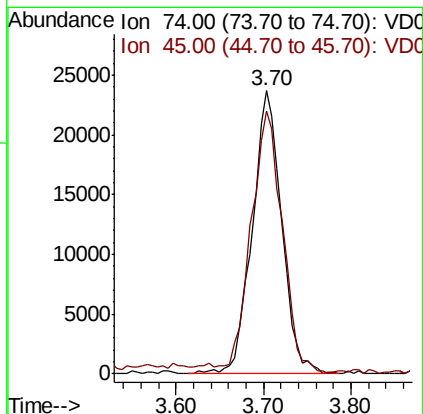
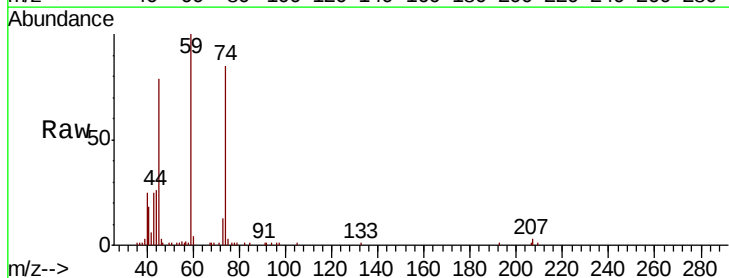
MMDadoda
 11/15/2019 3:06:07 PM

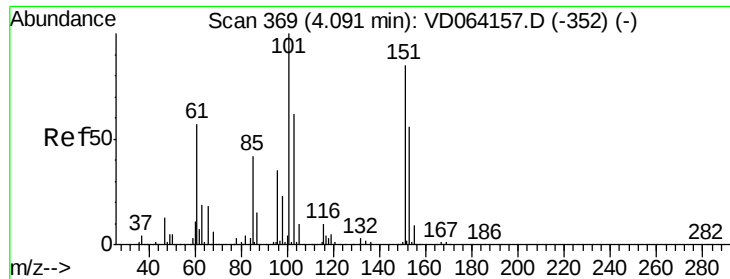


#8

Diethyl Ether
 Concen: 19.929 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.224 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

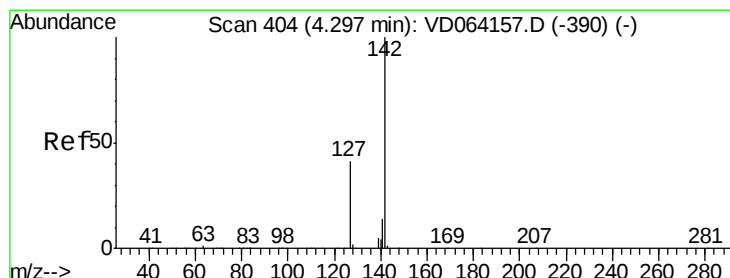
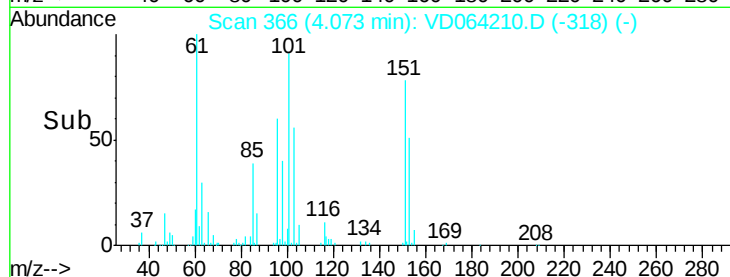
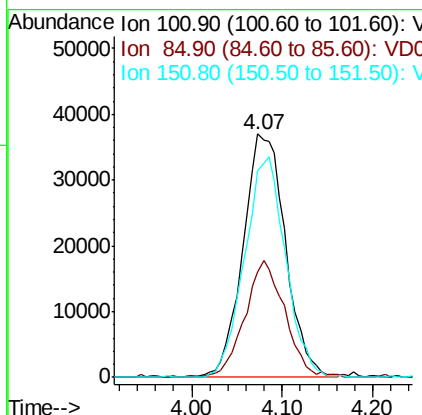
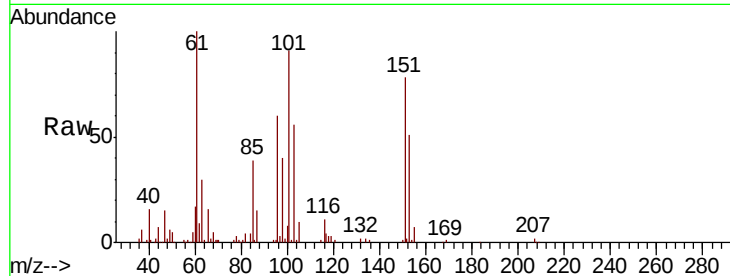
ClientSampleId :

VD1114SBS01

Tot Ion:	101	Resp:	120891
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.4	51.6
151	87.6	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#10

Methyl Iodide

Concen: 18.591 ug/l

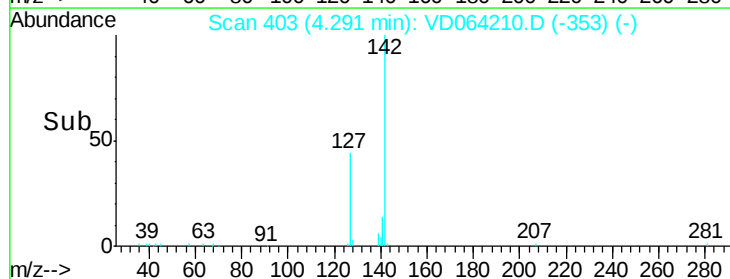
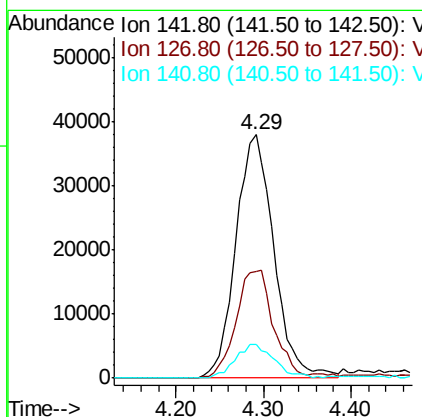
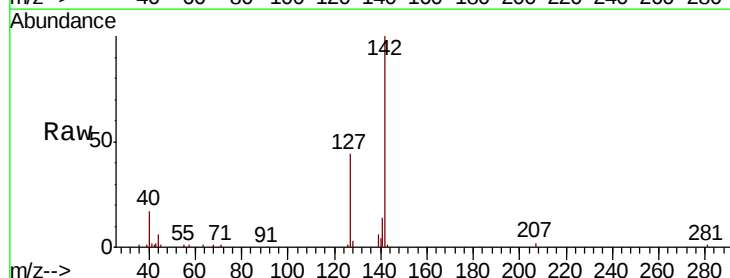
RT: 4.29 min Scan# 403

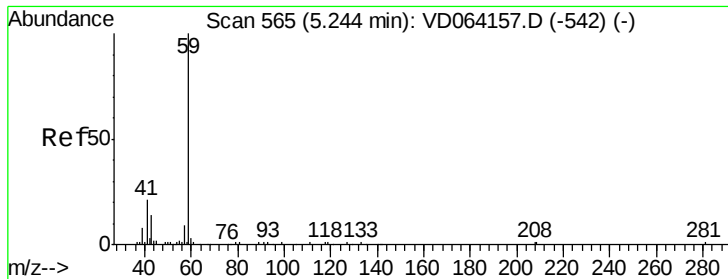
Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion:	142	Resp:	112232
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.4	51.6
141	14.2	11.2	16.8





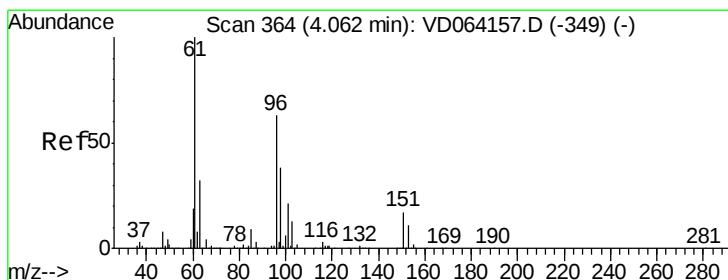
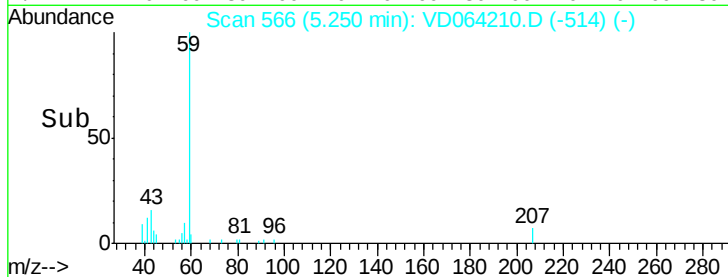
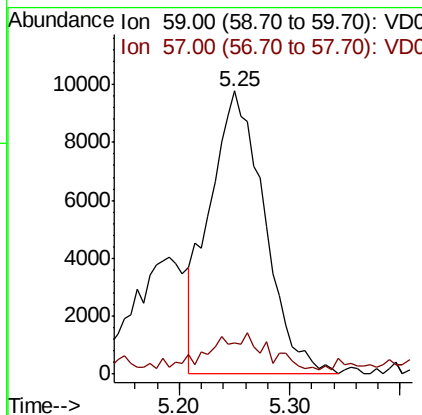
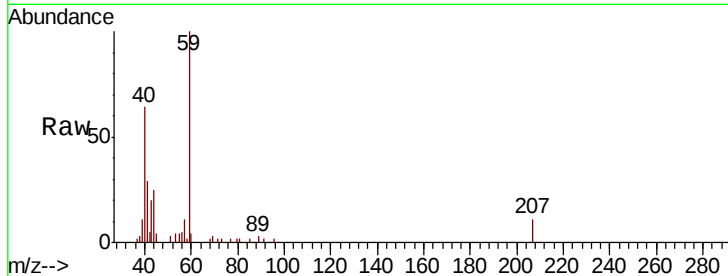
#11
Tert butyl alcohol
Concen: 91.170 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 59 Resp: 33839
Ion Ratio Lower Upper
59 100
57 4.5 9.4 14.2#

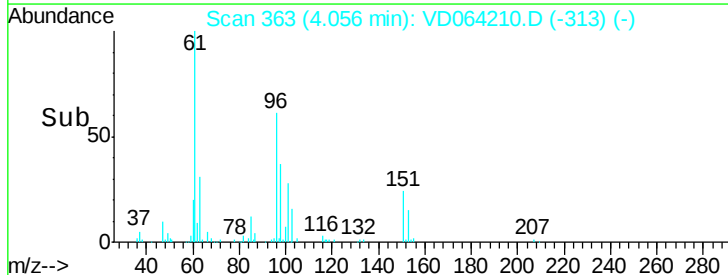
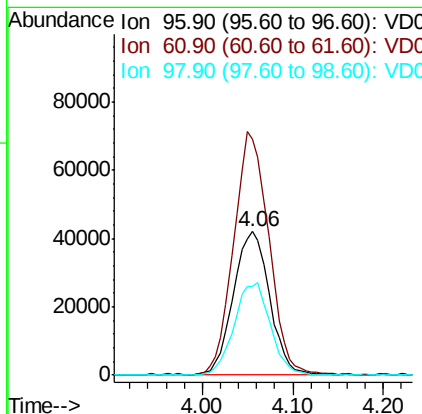
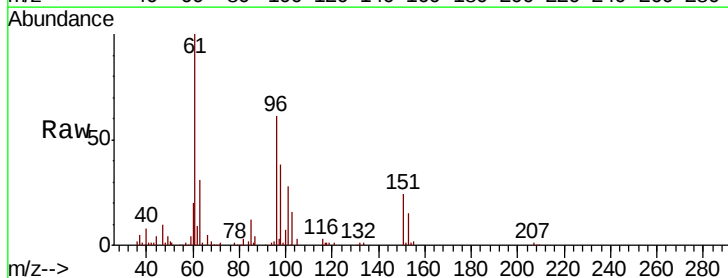
Manual Integrations
APPROVED

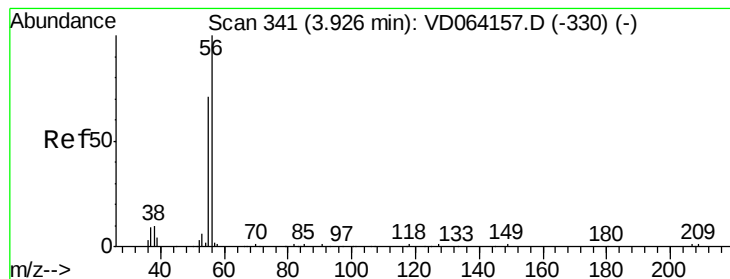
MMDadoda
11/15/2019 3:06:07 PM



#12
1,1-Dichloroethene
Concen: 21.650 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 96 Resp: 117545
Ion Ratio Lower Upper
96 100
61 164.7 127.4 191.2
98 61.9 48.1 72.1





#13

Acrolein

Concen: 86.438 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 56 Resp: 27141

Ion Ratio Lower Upper

56 100

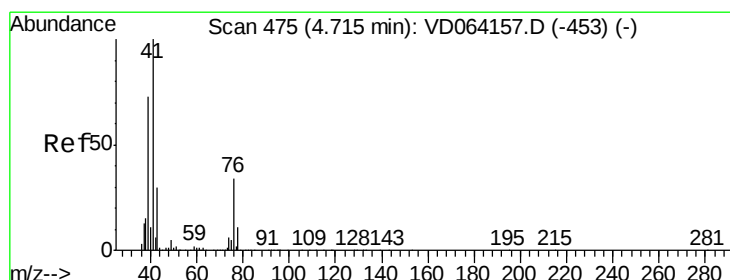
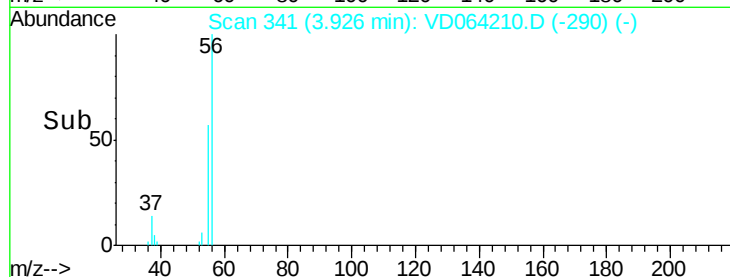
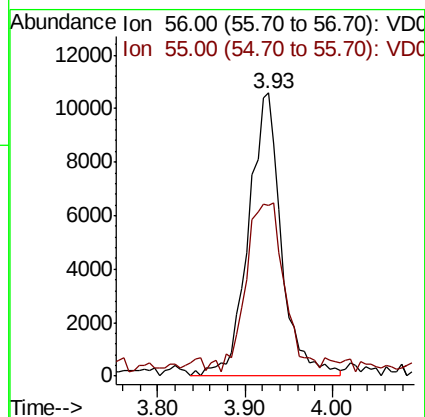
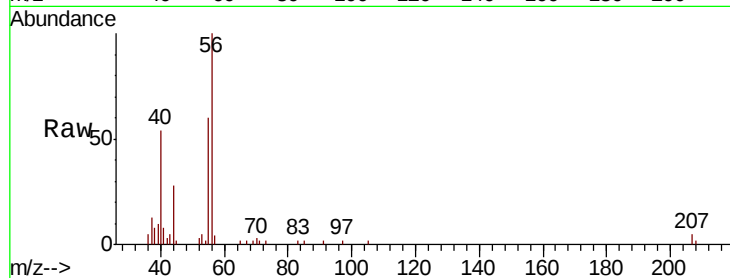
55 65.8 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/15/2019 3:06:07 PM



#14

Allyl chloride

Concen: 19.609 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

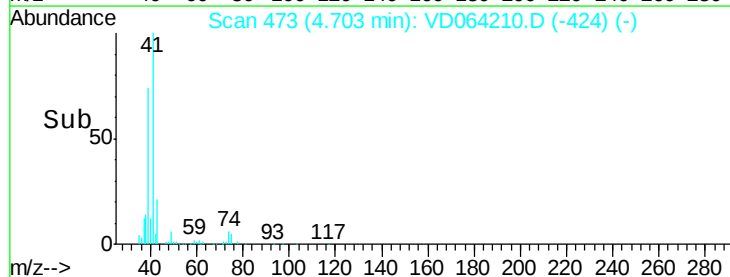
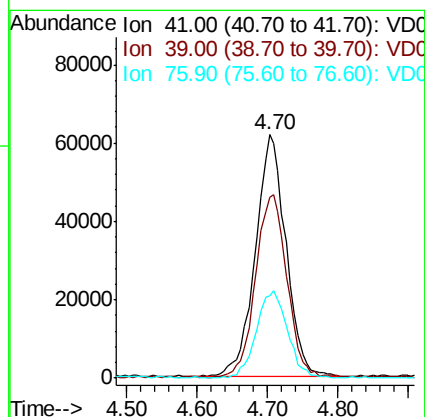
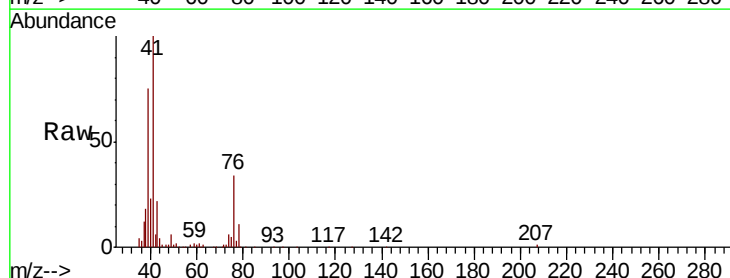
Tgt Ion: 41 Resp: 188233

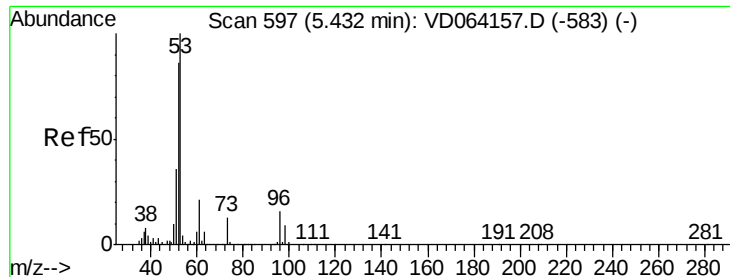
Ion Ratio Lower Upper

41 100

39 77.6 57.5 86.3

76 36.8 26.8 40.2





#15

Acrylonitrile

Concen: 99.107 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 53 Resp: 115774

Ion Ratio Lower Upper

53 100

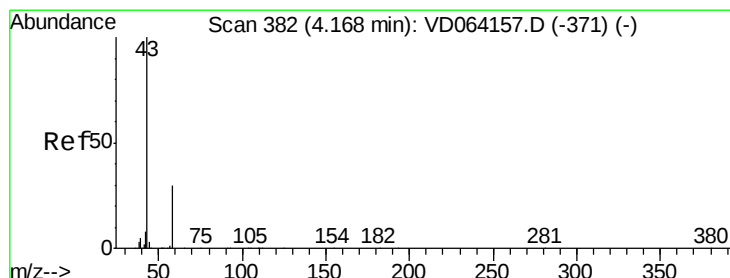
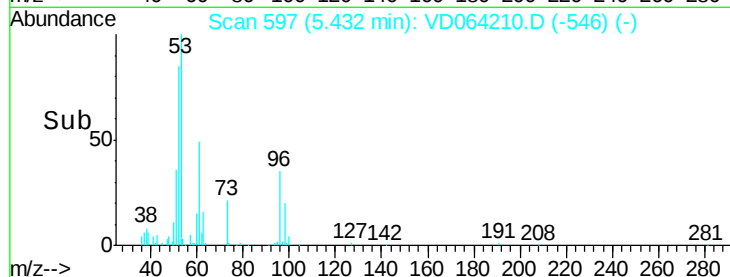
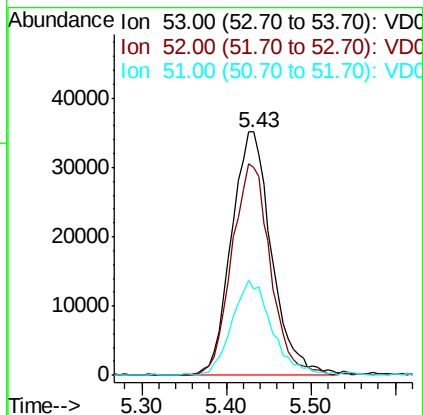
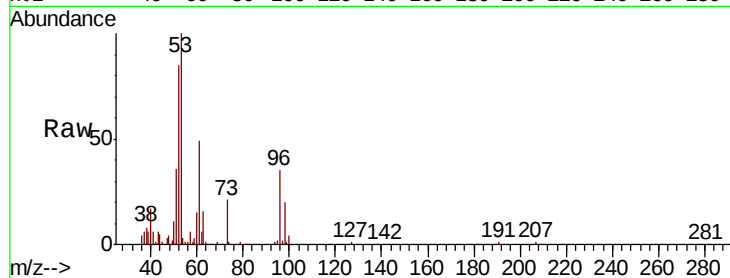
52 83.4 66.7 100.1

51 38.8 30.6 46.0

Manual Integrations
APPROVED

MMDadoda

11/15/2019 3:06:07 PM



#16

Acetone

Concen: 82.994 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064210.D

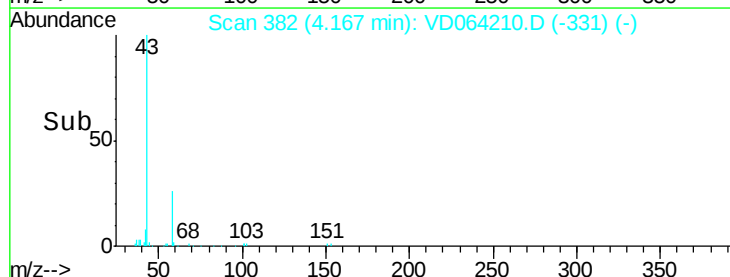
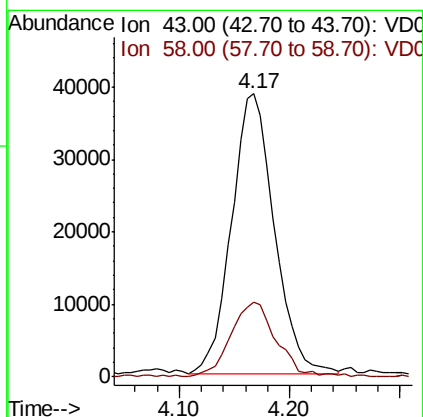
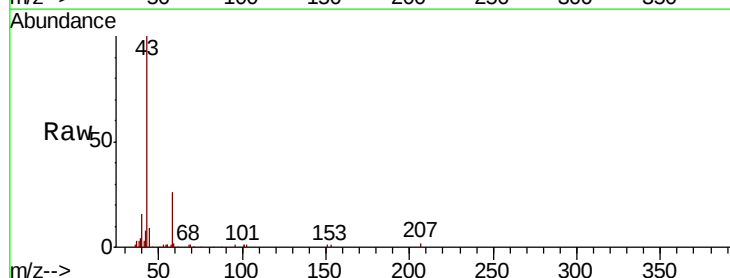
Acq: 14 Nov 2019 12:44

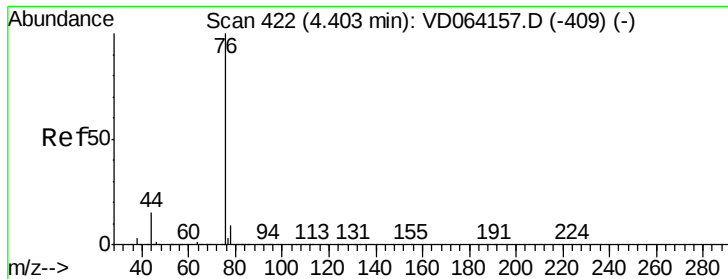
Tgt Ion: 43 Resp: 104481

Ion Ratio Lower Upper

43 100

58 26.7 24.1 36.1





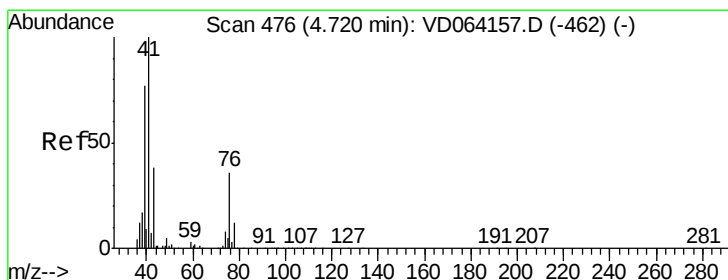
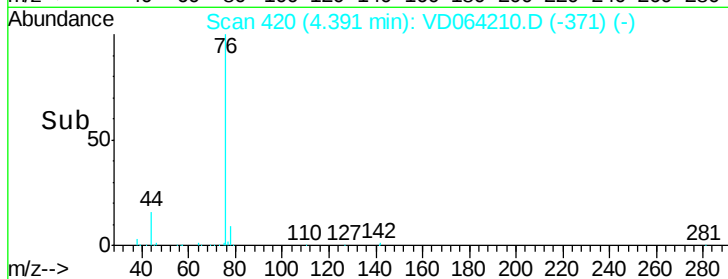
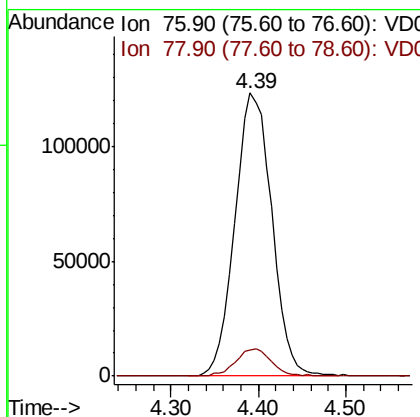
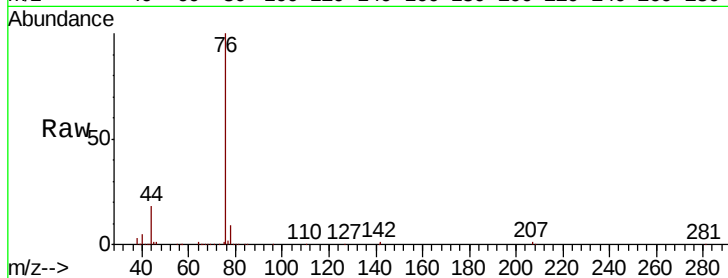
#17
Carbon Disulfide
Concen: 20.847 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

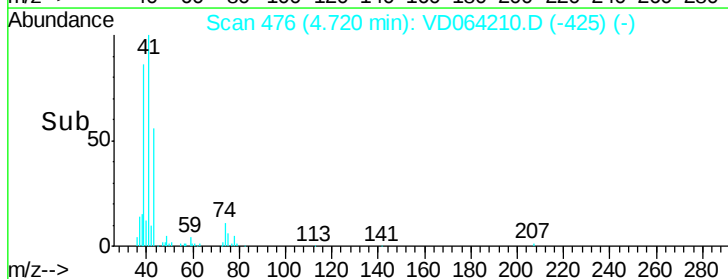
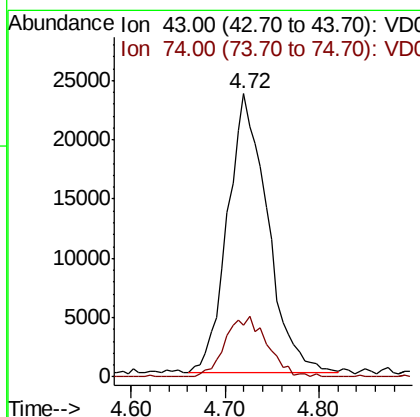
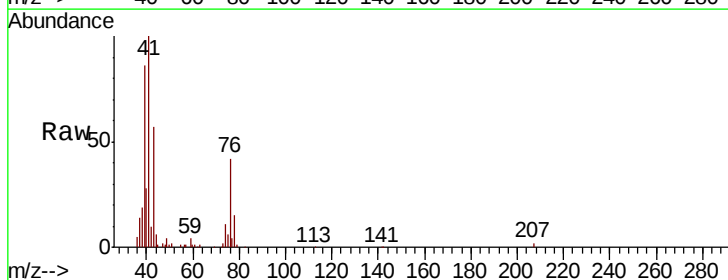
Manual Integrations
APPROVED

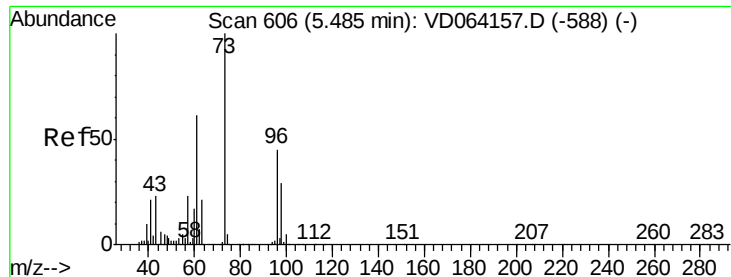
MMDadoda
11/15/2019 3:06:07 PM



#18
Methyl Acetate
Concen: 19.879 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.4	27.6





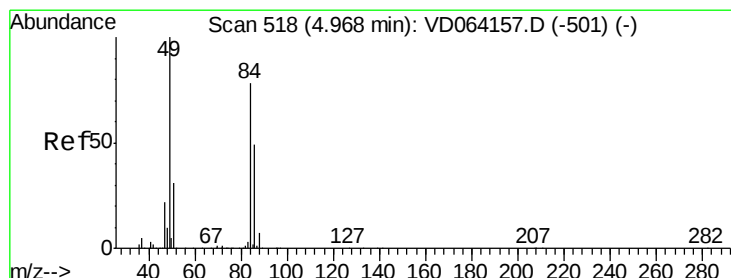
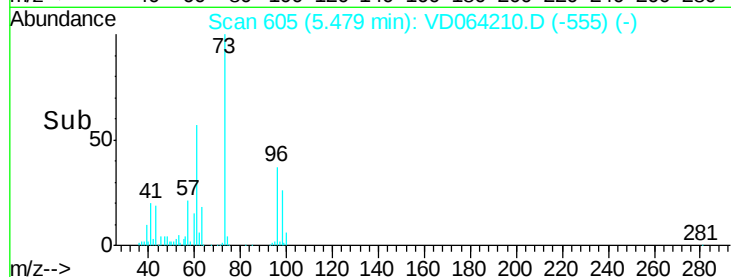
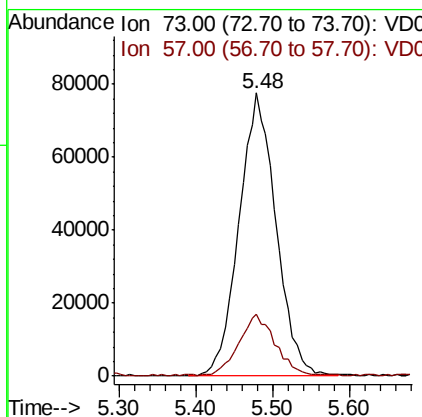
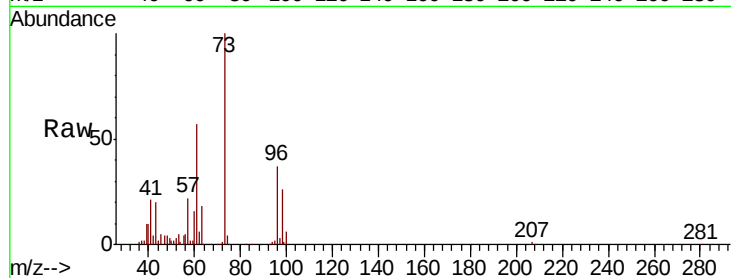
#19
Methyl tert-butyl Ether
Concen: 20.071 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 73 Resp: 260145
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6

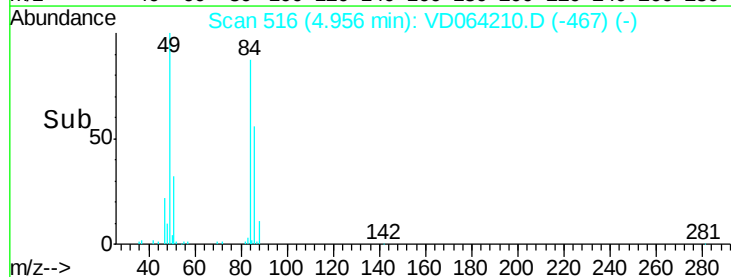
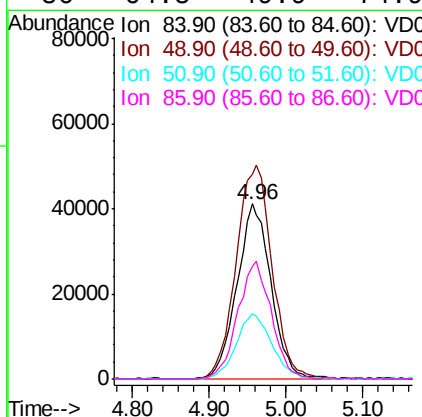
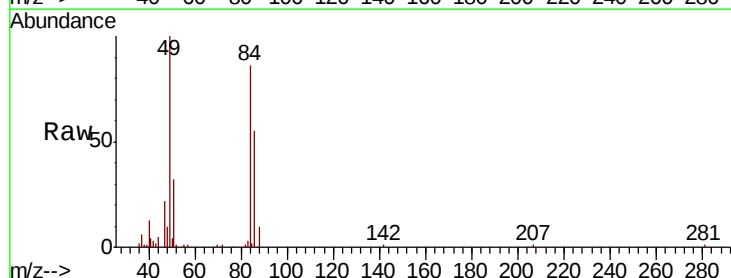
Manual Integrations
APPROVED

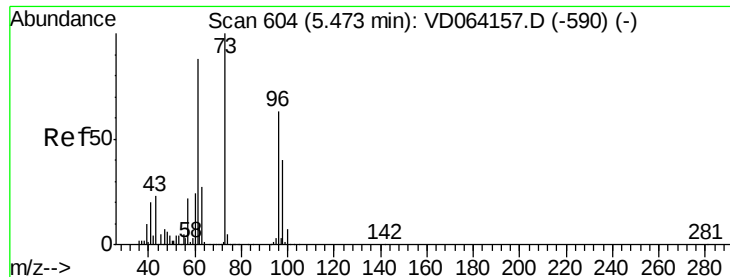
MMDadoda
11/15/2019 3:06:07 PM



#20
Methylene Chloride
Concen: 20.093 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 84 Resp: 127776
Ion Ratio Lower Upper
84 100
49 116.7 102.1 153.1
51 37.5 32.2 48.2
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.848 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 96 Resp: 128242

Ion Ratio Lower Upper

96 100

61 125.0 111.8 167.6

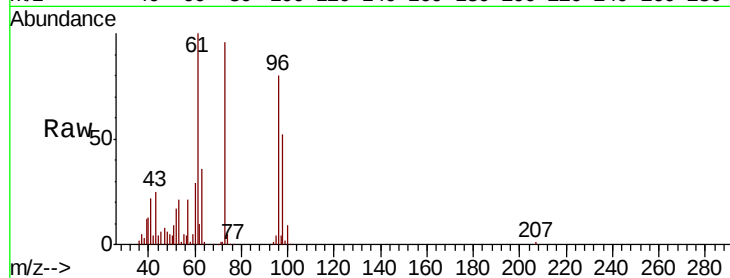
98 64.4 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

11/15/2019 3:06:07 PM

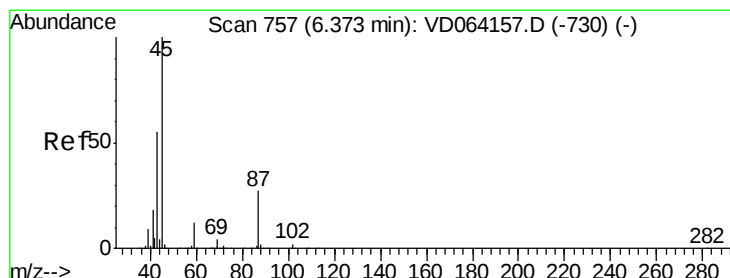
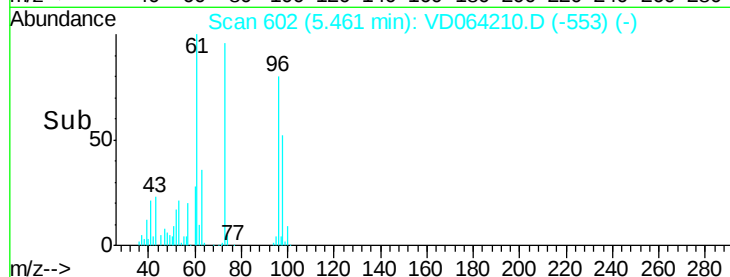
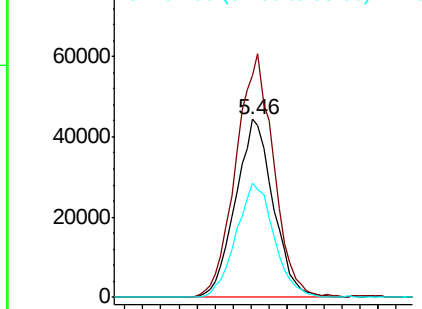


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.779 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion: 45 Resp: 352283

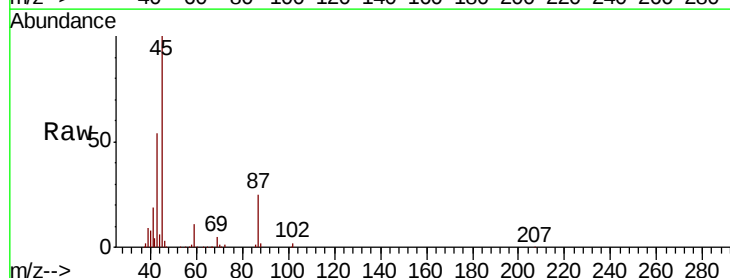
Ion Ratio Lower Upper

45 100

43 53.6 44.4 66.6

87 24.5 21.9 32.9

59 10.7 9.4 14.2



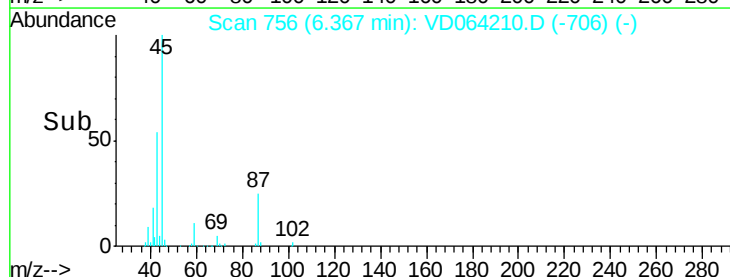
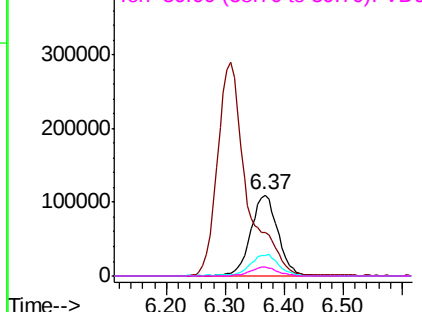
Abundance

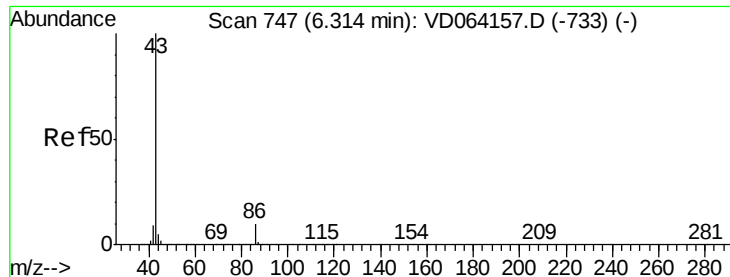
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 100.555 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 43 Resp: 998348

Ion Ratio Lower Upper

43 100

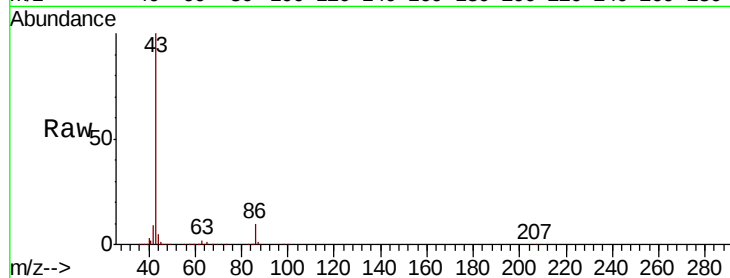
86 10.4 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

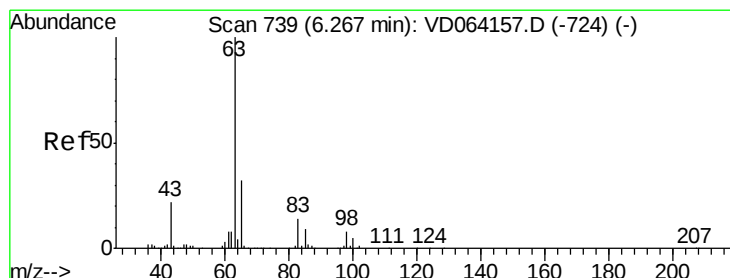
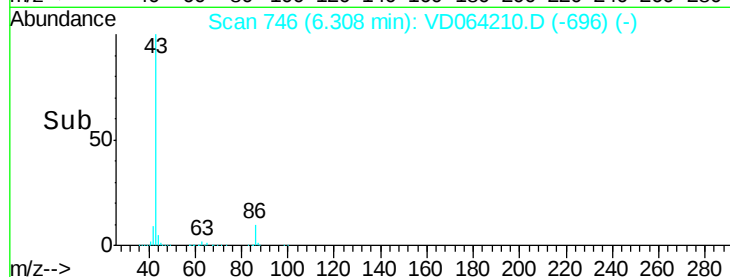
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.173 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

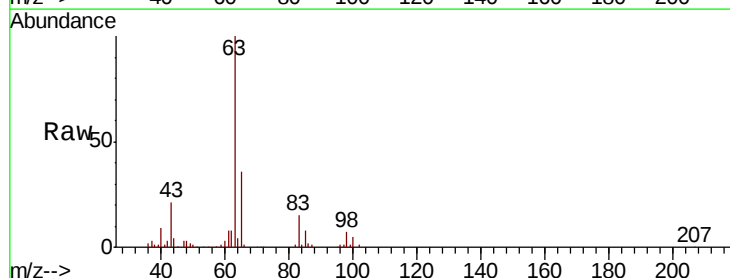
Tgt Ion: 63 Resp: 218966

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

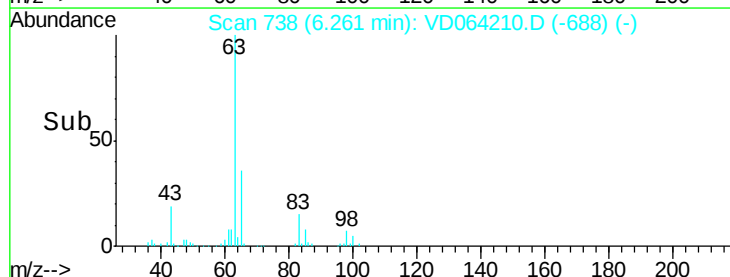
60000

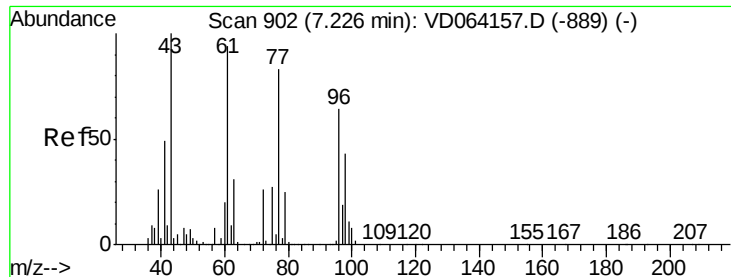
40000

20000

0

Time-->





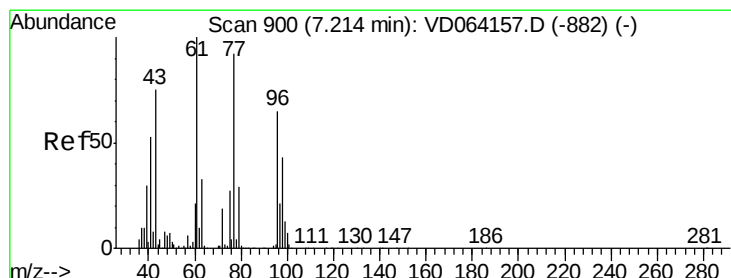
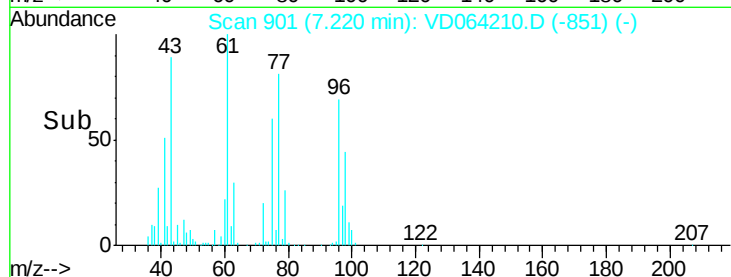
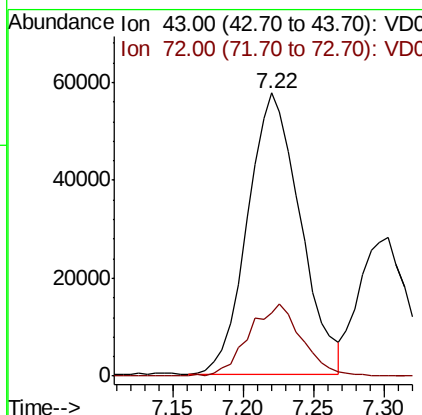
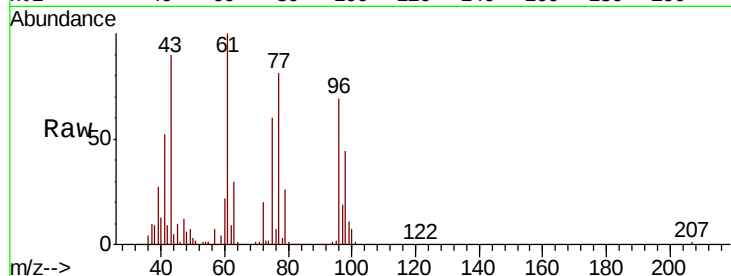
#25
2-Butanone
Concen: 92.932 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 43 Resp: 151148
Ion Ratio Lower Upper
43 100
72 22.5 20.6 30.8

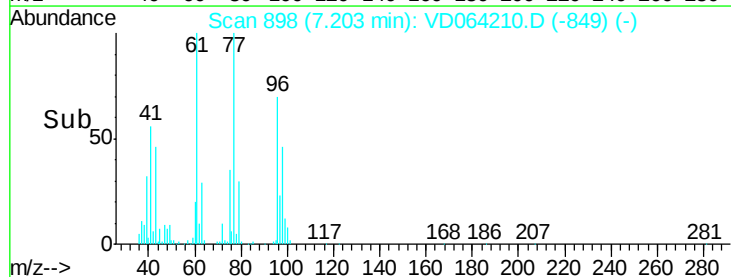
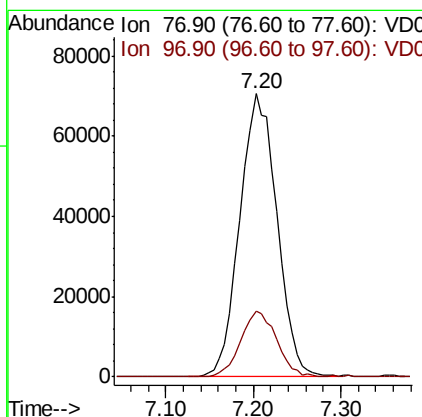
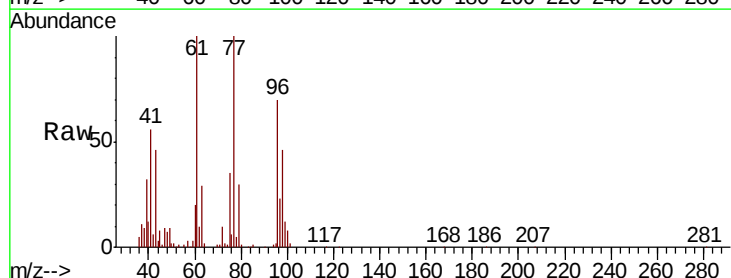
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#26
2,2-Dichloropropane
Concen: 20.053 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 77 Resp: 203370
Ion Ratio Lower Upper
77 100
97 22.6 11.1 33.3





#27

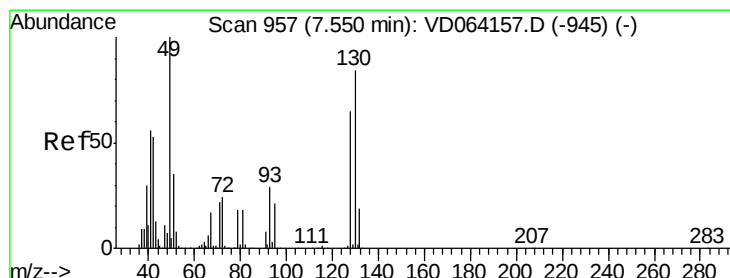
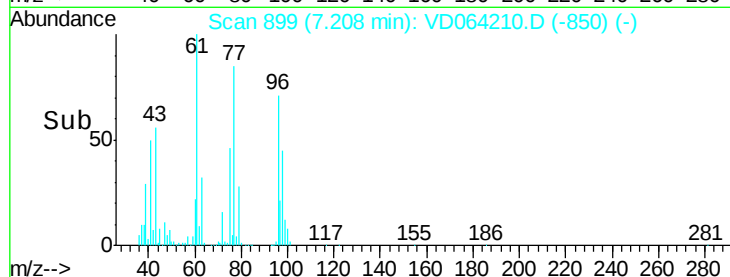
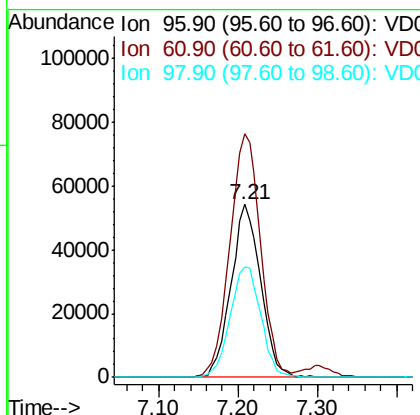
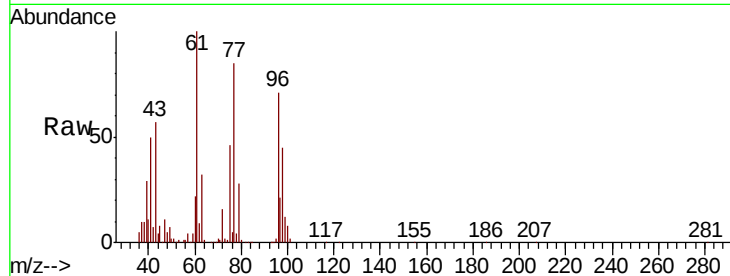
cis-1,2-Dichloroethene
Concen: 21.304 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.4
98	65.7	0.0	133.2

Manual Integrations
APPROVED

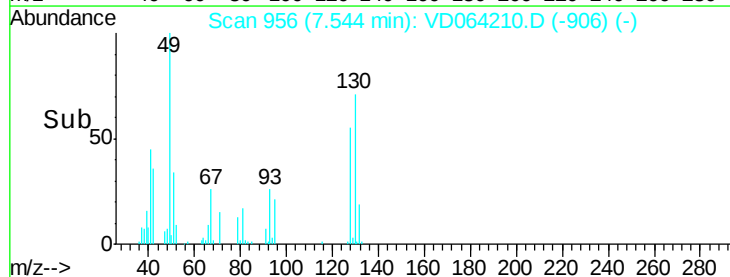
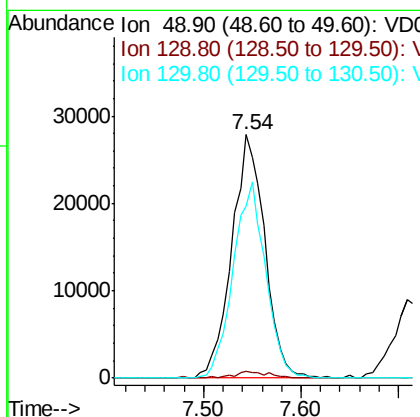
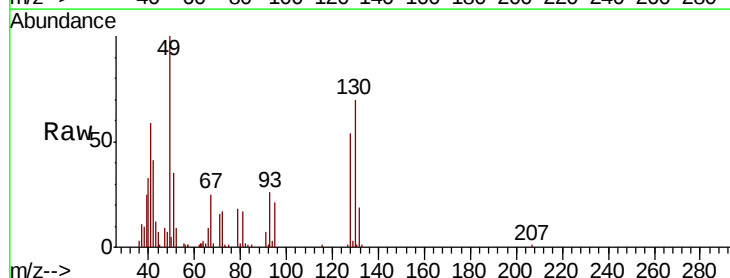
MMDadoda
11/15/2019 3:06:07 PM

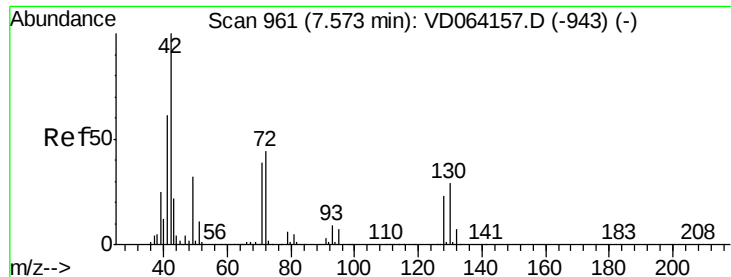


#28

Bromochloromethane
Concen: 18.219 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	79.4	66.8	100.2





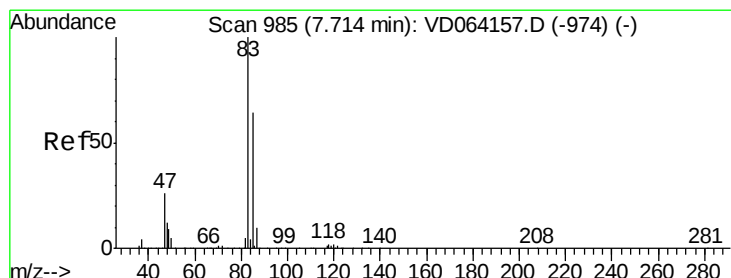
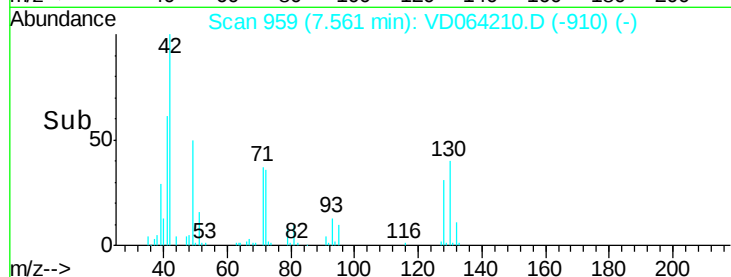
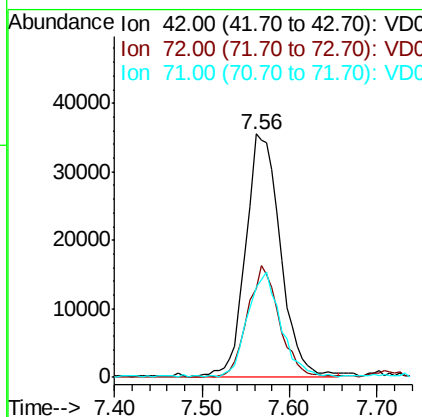
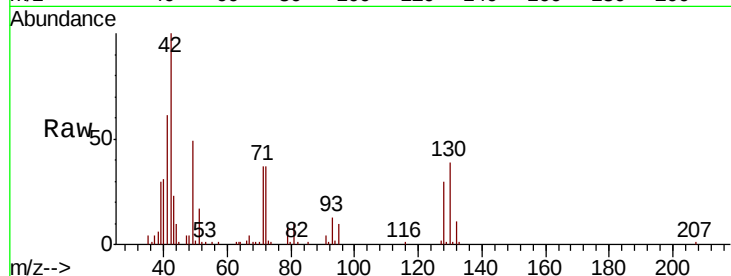
#29
Tetrahydrofuran
Concen: 98.772 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.4	50.2
71	41.5	31.0	46.4

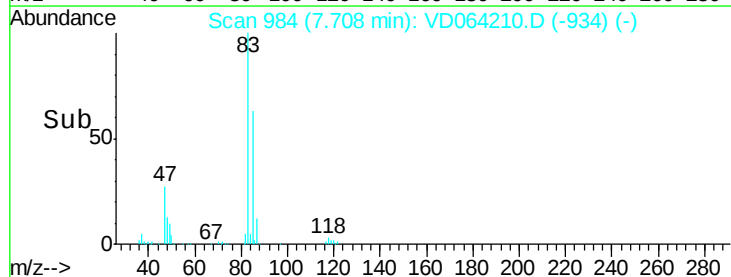
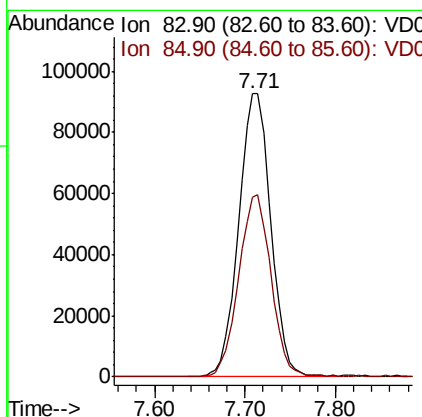
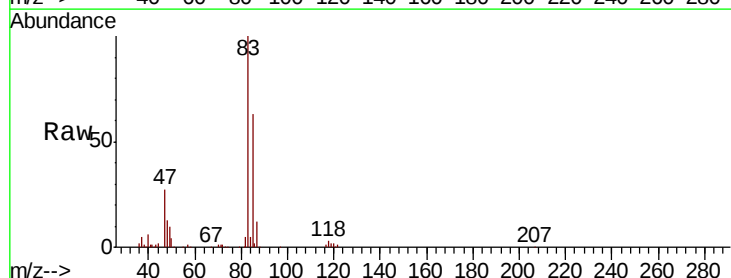
Manual Integrations
APPROVED

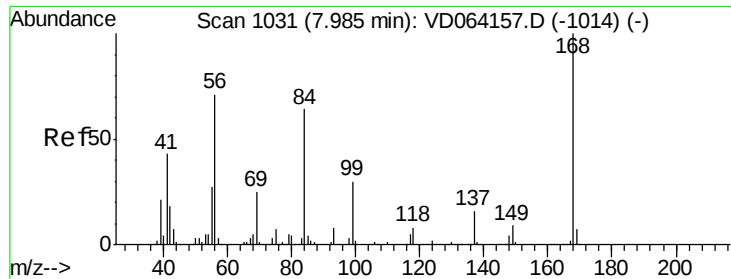
MMDadoda
11/15/2019 3:06:07 PM



#30
Chloroform
Concen: 21.580 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0





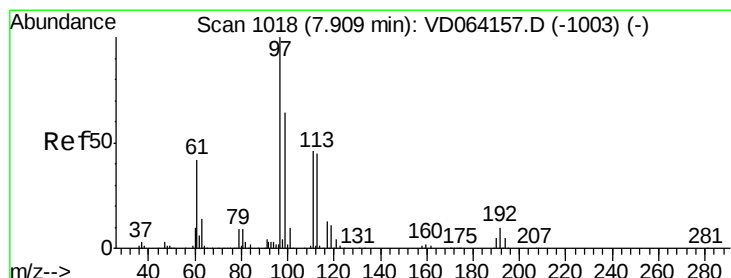
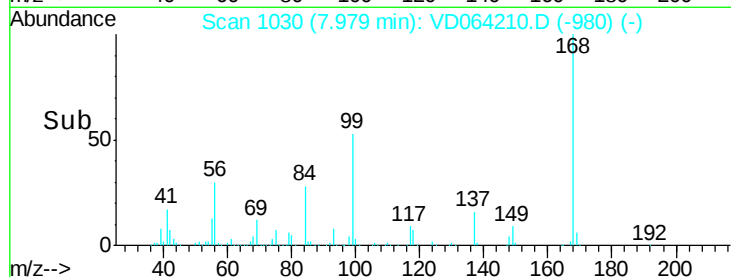
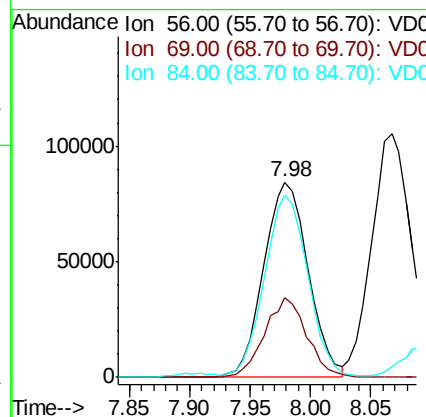
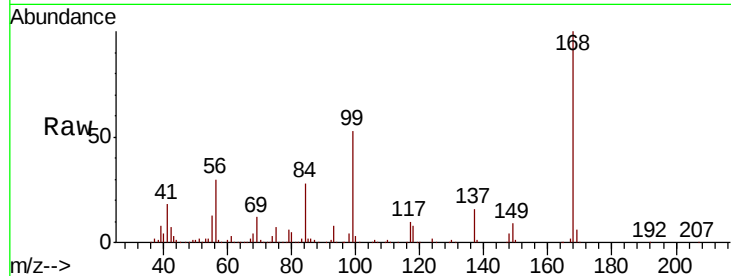
#31
Cyclohexane
Concen: 20.687 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.2	42.4
84	91.5	71.8	107.6

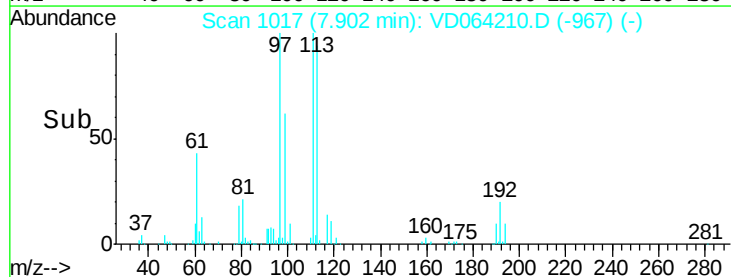
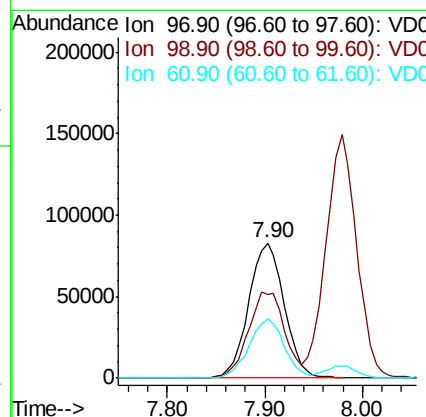
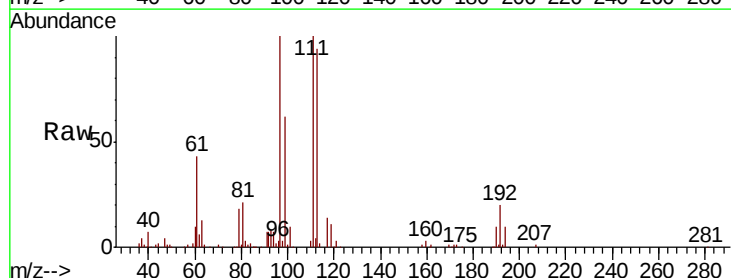
Manual Integrations
APPROVED

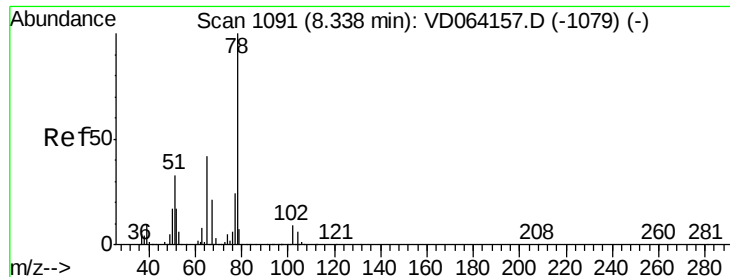
MMDadoda
11/15/2019 3:06:07 PM



#32
1,1,1-Trichloroethane
Concen: 20.864 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	43.2	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 50.945 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 65 Resp: 270723

Ion Ratio Lower Upper

65 100

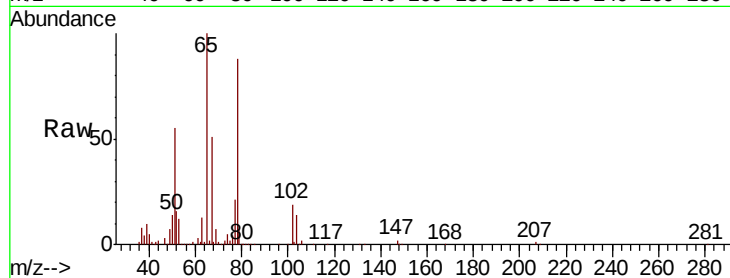
67 51.3 0.0 104.4

Manual Integrations

APPROVED

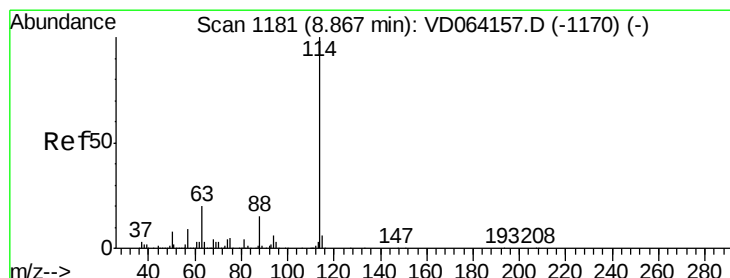
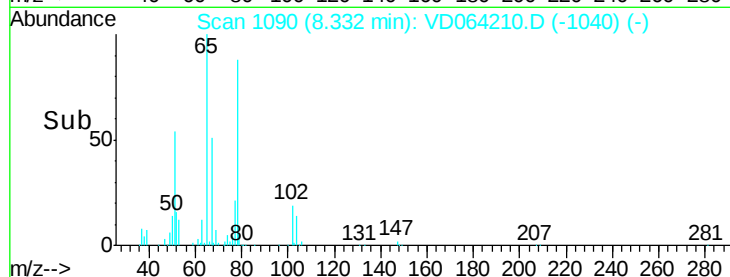
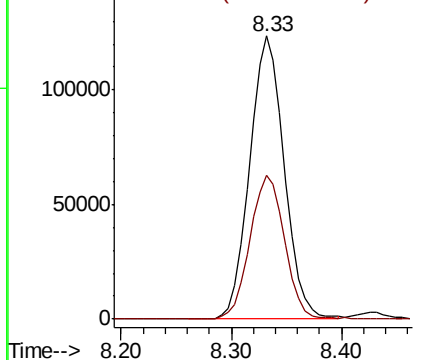
MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

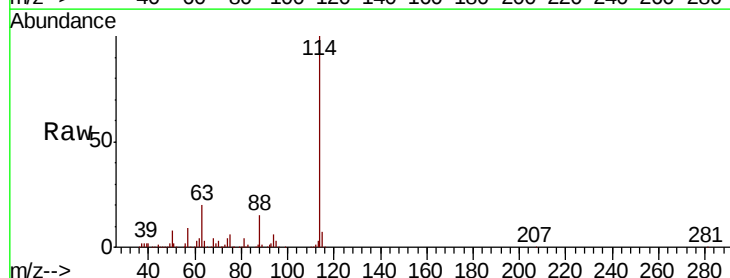
Tgt Ion: 114 Resp: 905614

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

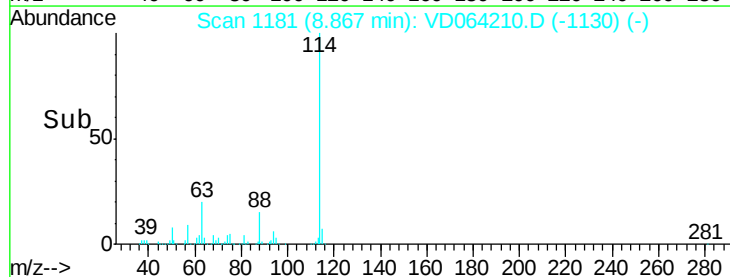
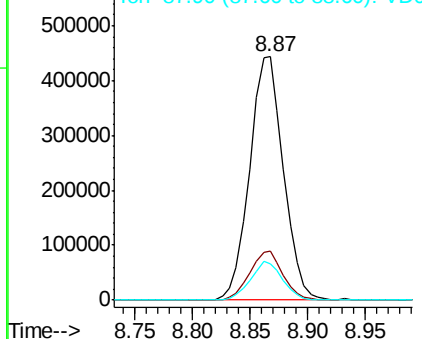
88 14.8 0.0 30.2

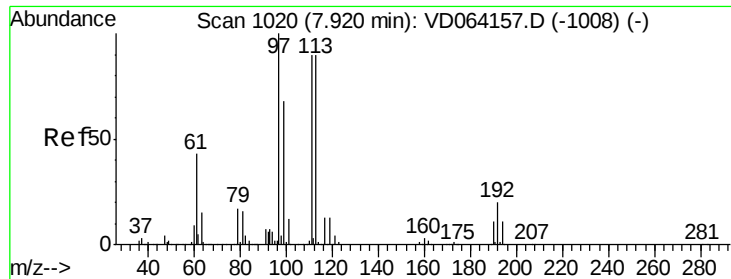


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





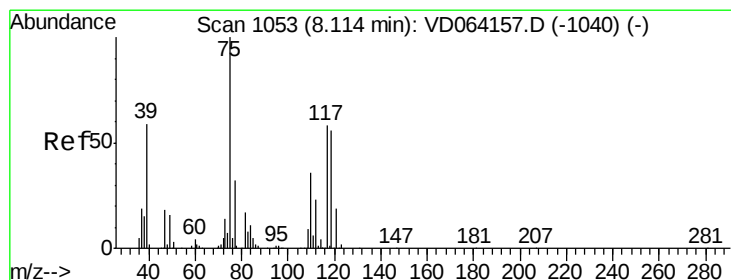
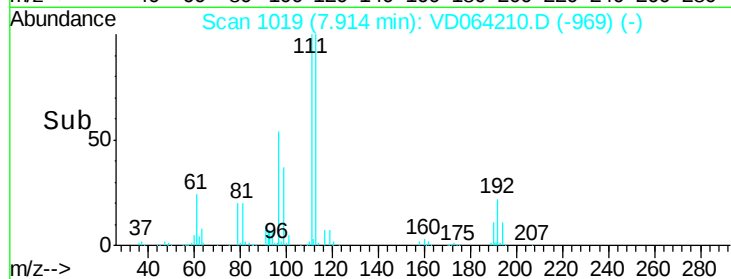
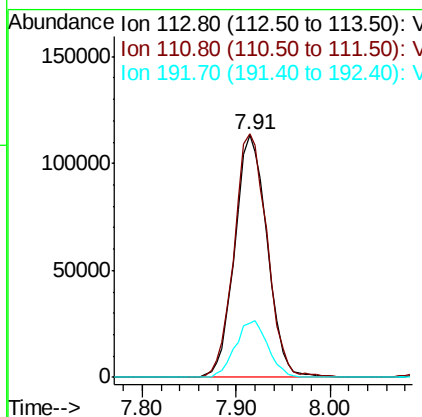
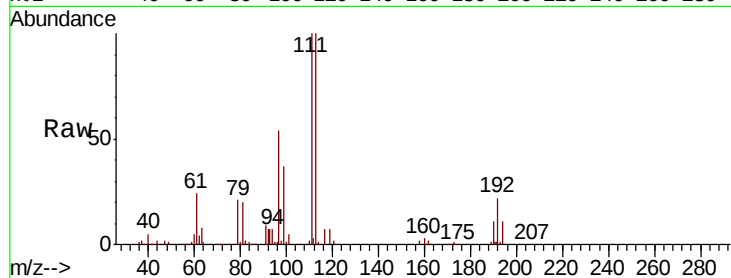
#35
Dibromofluoromethane
Concen: 52.123 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	270957		
111	102.8		81.5	122.3
192	23.6		18.8	28.2

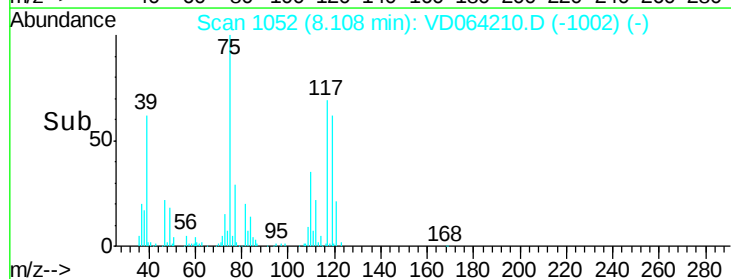
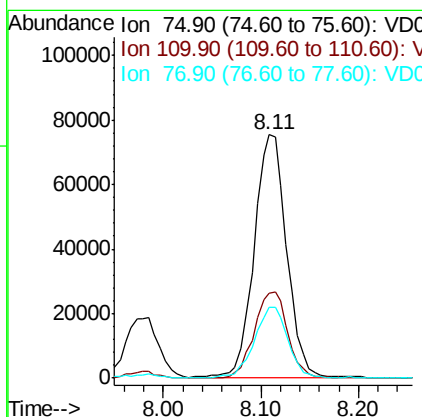
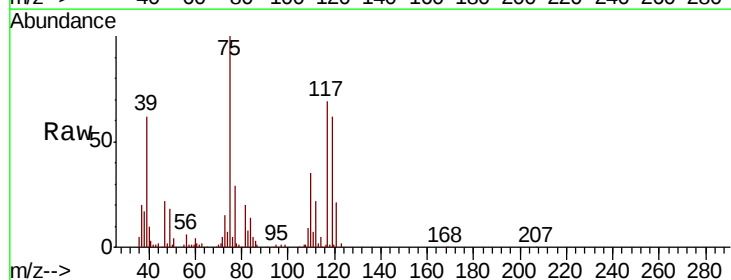
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#36
1,1-Dichloropropene
Concen: 21.078 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176170		
110	36.4		18.3	54.9
77	30.2		25.0	37.6





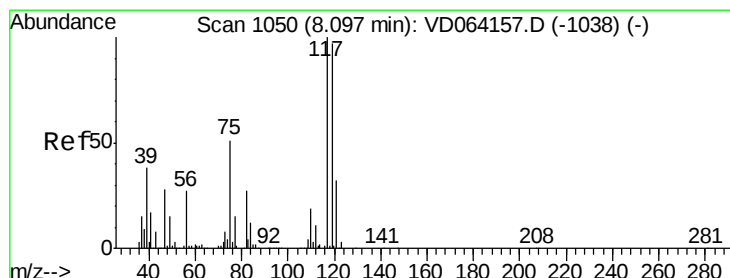
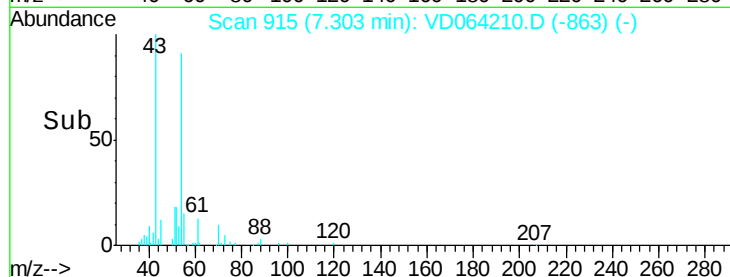
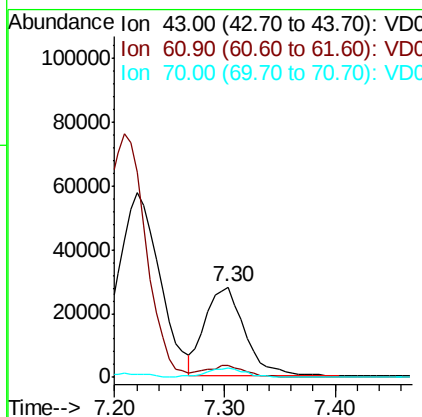
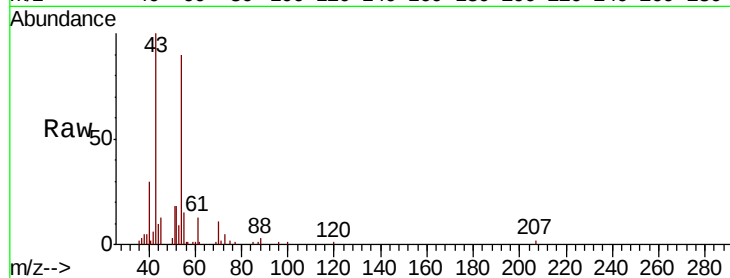
#37
Ethyl Acetate
Concen: 19.745 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	10.5	8.5	12.7

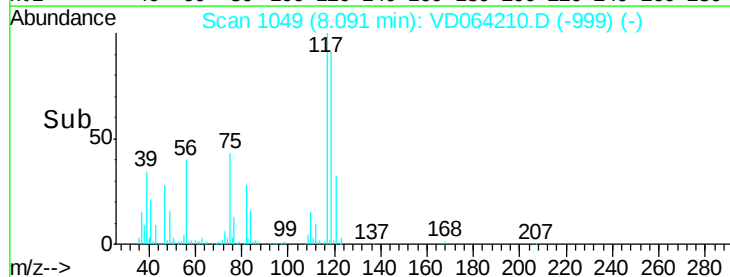
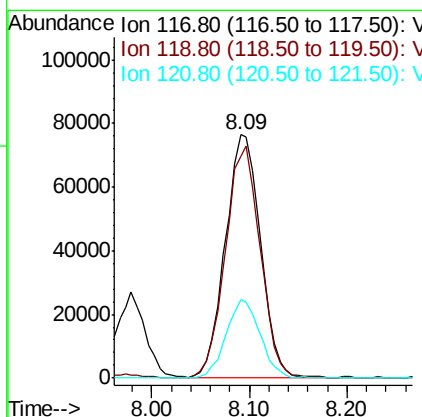
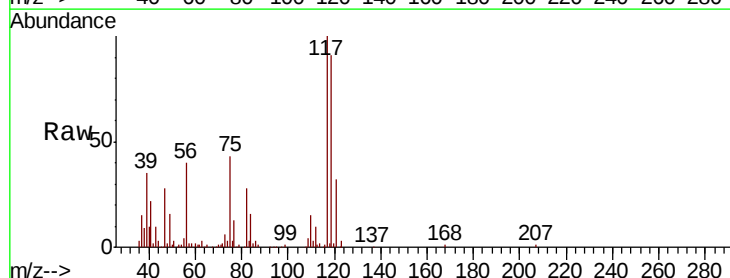
Manual Integrations
APPROVED

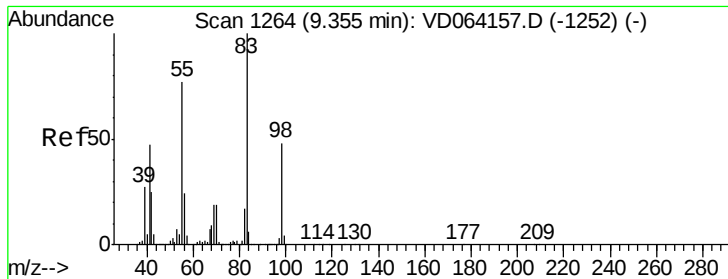
MMDadoda
11/15/2019 3:06:07 PM



#38
Carbon Tetrachloride
Concen: 21.408 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	77.2	115.8
121	32.5	25.5	38.3





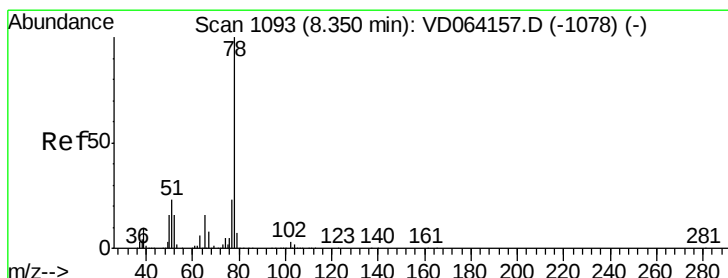
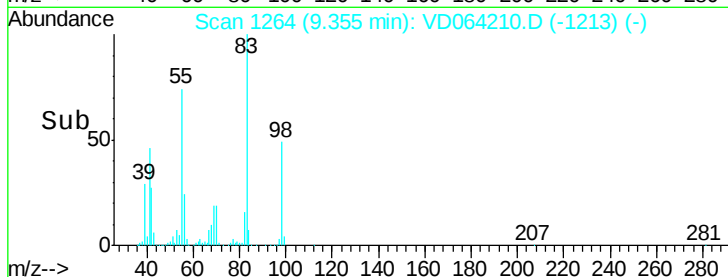
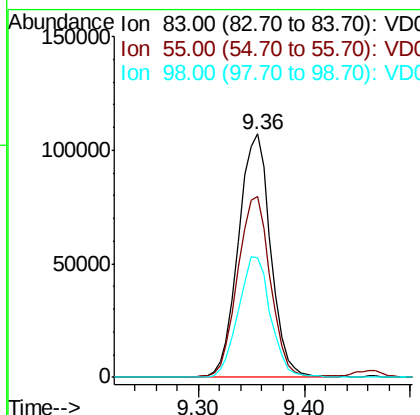
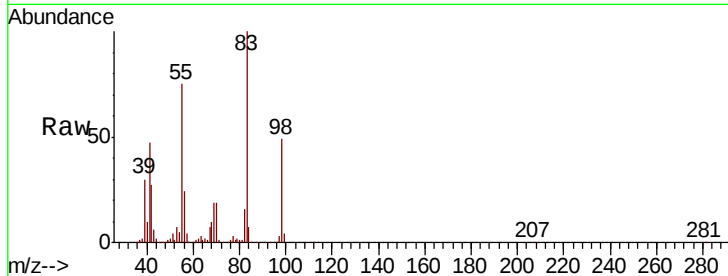
#39
Methvlcvclohexane
Concen: 21.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.7	92.5
98	49.0	38.6	58.0

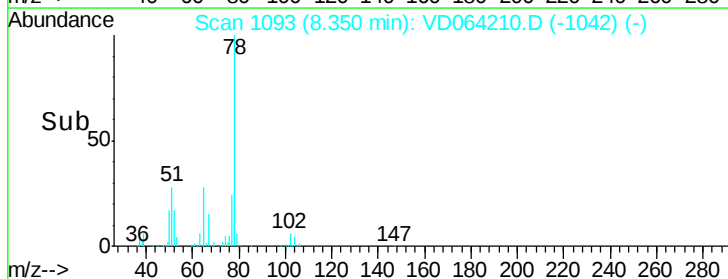
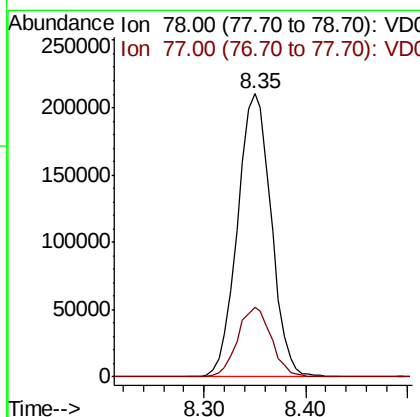
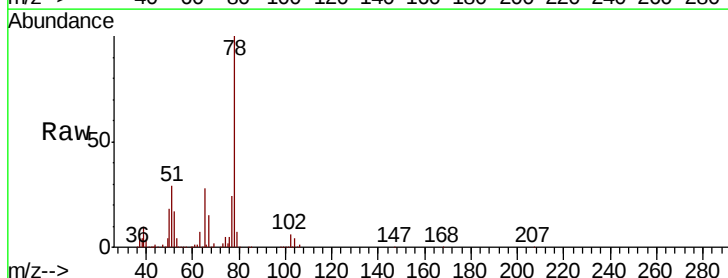
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#40
Benzene
Concen: 21.175 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





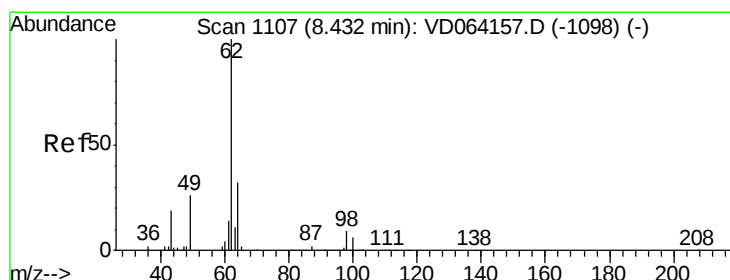
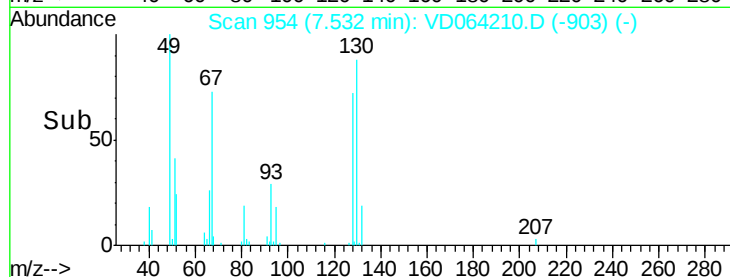
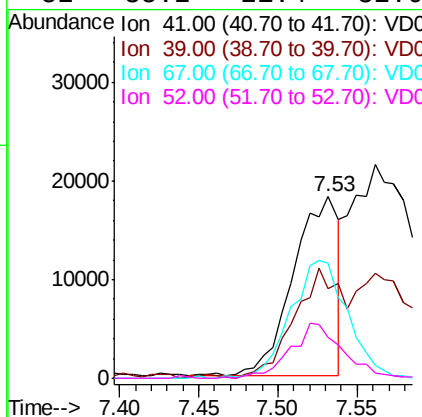
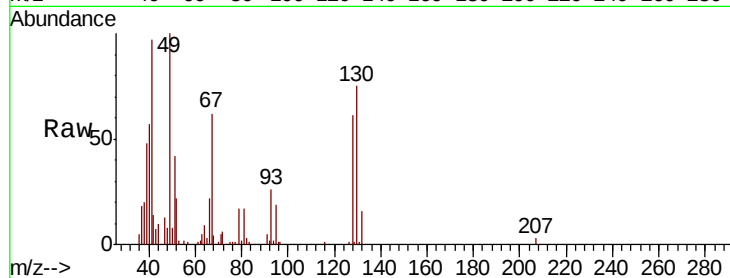
#41
Methacrylonitrile
Concen: 16.588 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.7	49.4	74.2	
67	80.9	49.6	74.4#	
52	35.2	21.4	32.0#	

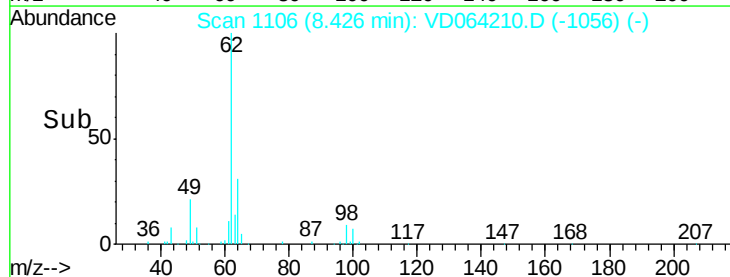
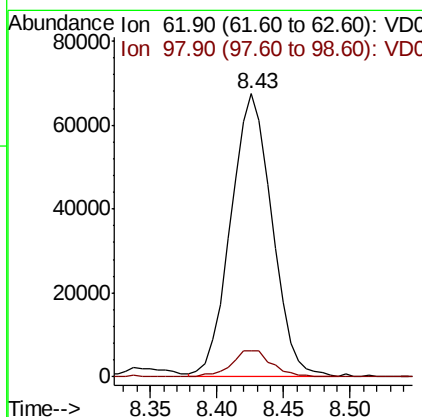
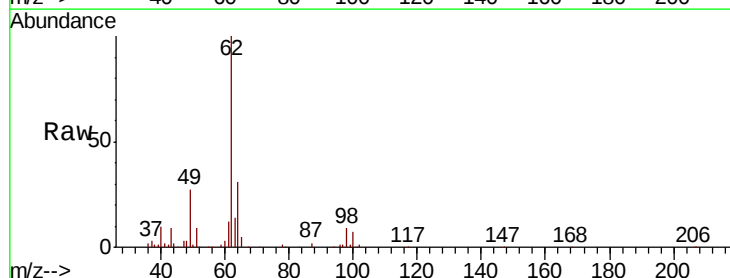
Manual Integrations
APPROVED

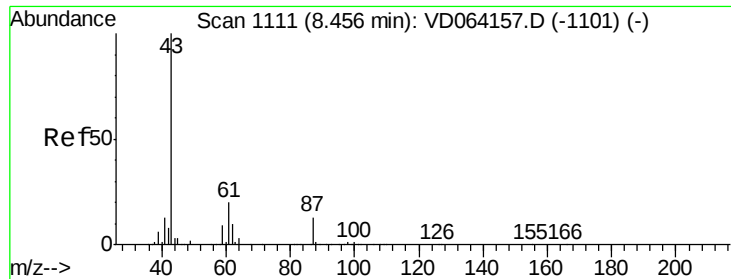
MMDadoda
11/15/2019 3:06:07 PM



#42
1,2-Dichloroethane
Concen: 21.018 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.0	





#43

Isopropyl Acetate

Concen: 19.206 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

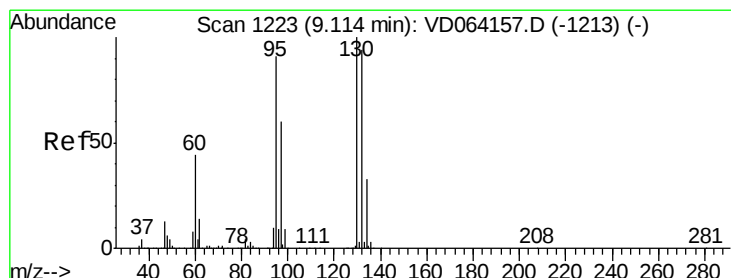
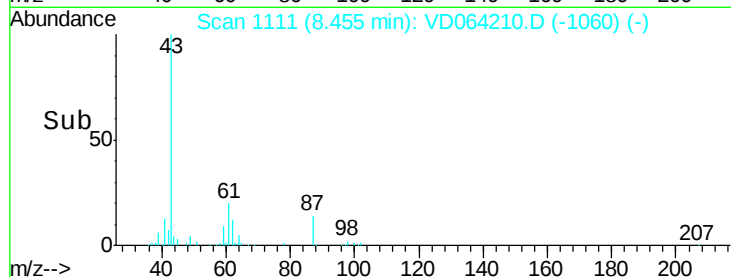
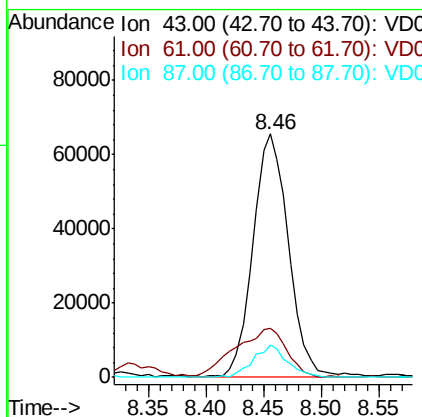
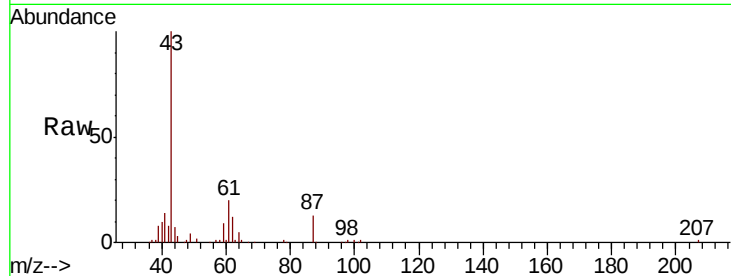
ClientSampleId :

VD1114SBS01

Tot Ion:	43	Resp:	139432
Ion	Ratio	Lower	Upper
43	100		
61	29.4	22.9	34.3
87	12.6	10.2	15.2

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#44

Trichloroethene

Concen: 21.546 ug/l

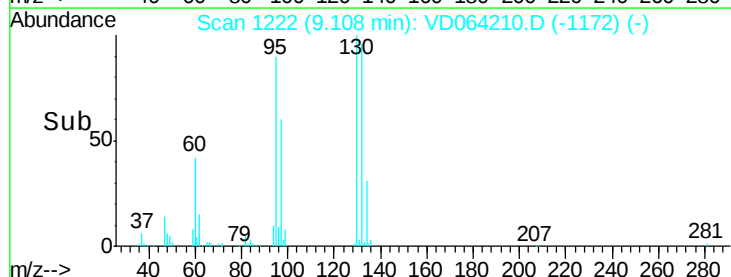
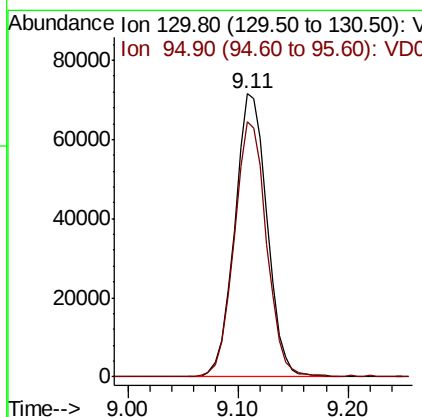
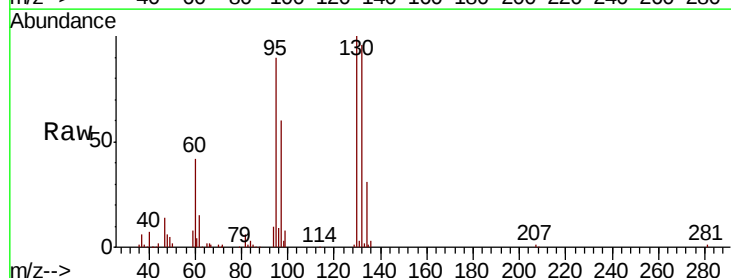
RT: 9.11 min Scan# 1222

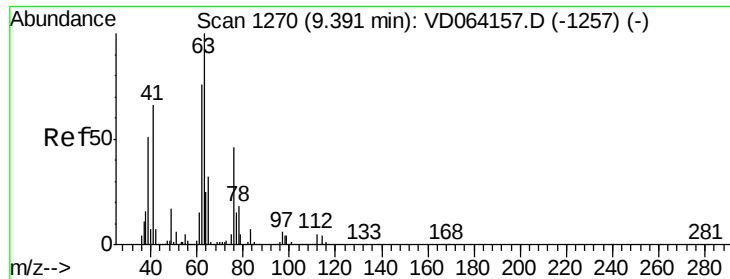
Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion:	130	Resp:	147719
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	181.6





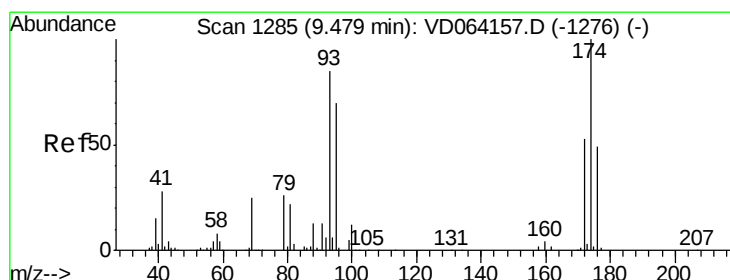
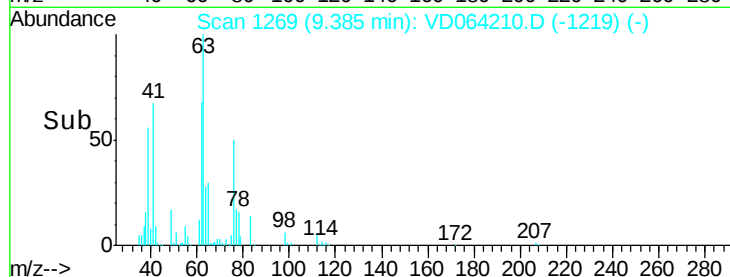
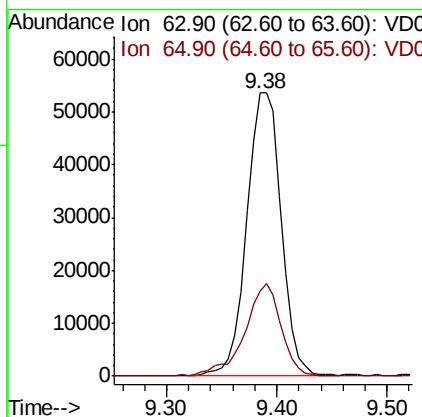
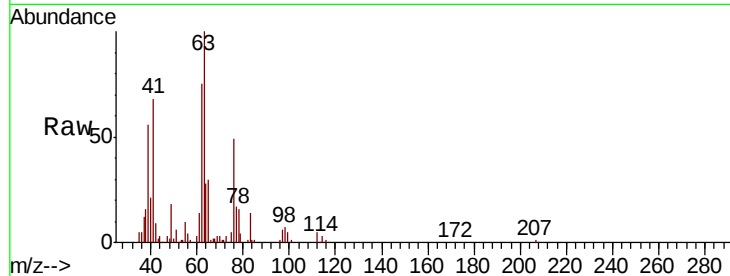
#45
 1,2-Dichloropropane
 Concen: 21.177 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 63 Resp: 117742
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.7 38.5

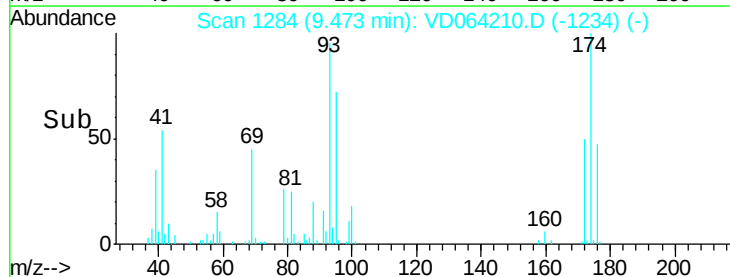
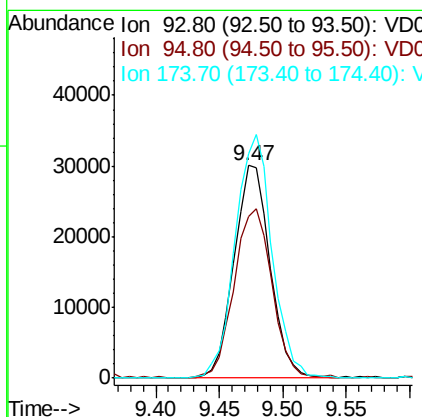
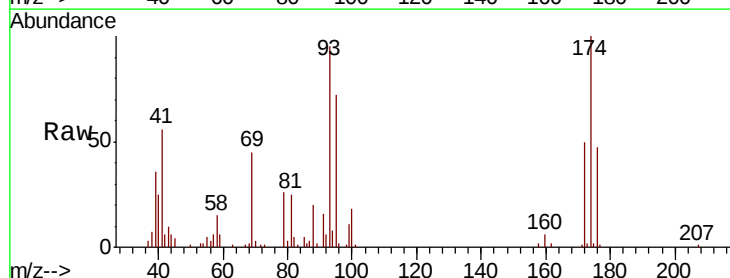
Manual Integrations
 APPROVED

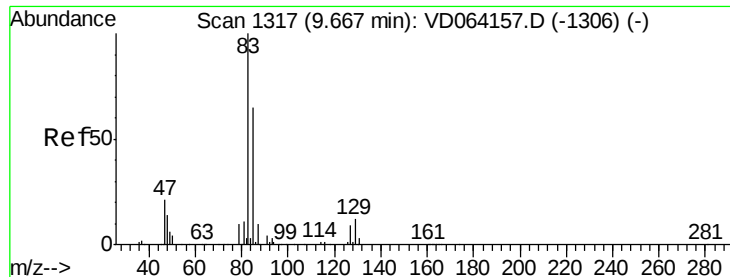
MMDadoda
 11/15/2019 3:06:07 PM



#46
 Dibromomethane
 Concen: 19.898 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion: 93 Resp: 59226
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.5 98.3
 174 117.5 93.9 140.9





#47

Bromodichloromethane

Concen: 21.535 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

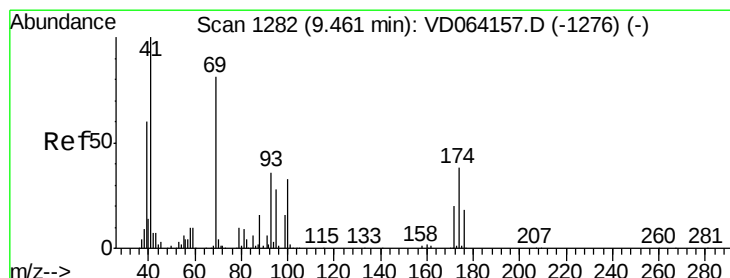
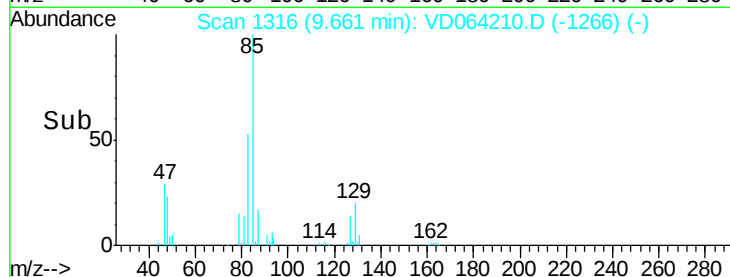
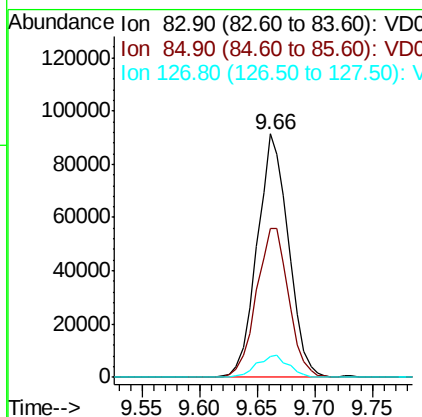
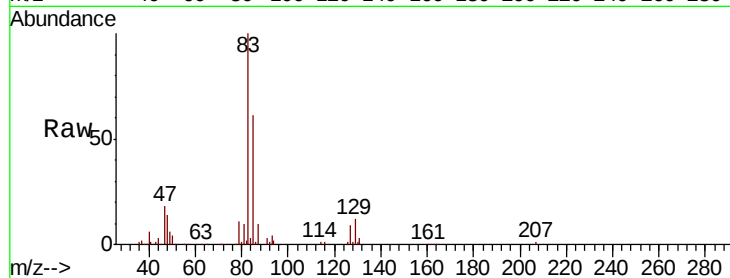
ClientSampleId :

VD1114SBS01

Tot Ion:	83	Resp:	172659
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.4
127	8.5	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#48

Methyl methacrylate

Concen: 19.564 ug/l

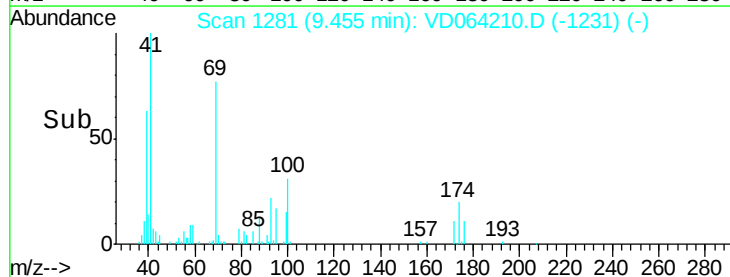
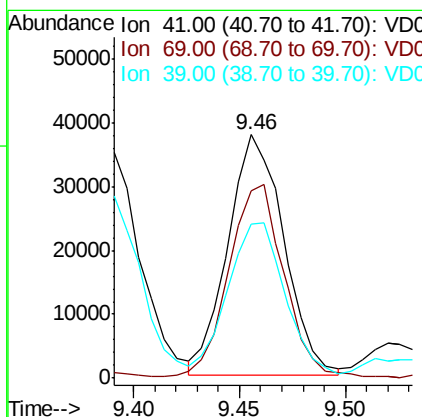
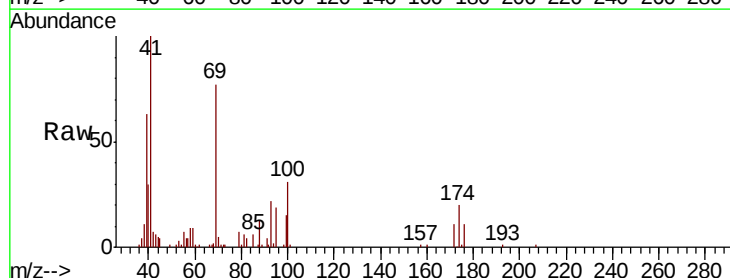
RT: 9.46 min Scan# 1281

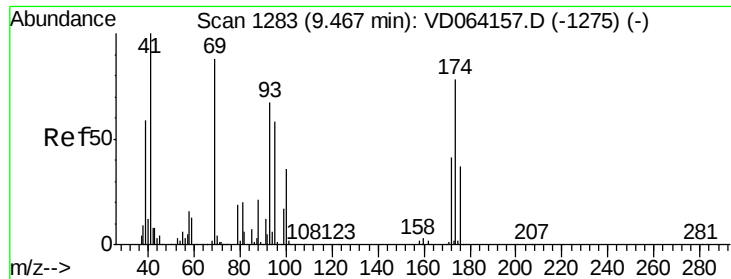
Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion:	41	Resp:	69452
Ion	Ratio	Lower	Upper
41	100		
69	80.1	64.6	97.0
39	62.8	48.2	72.2





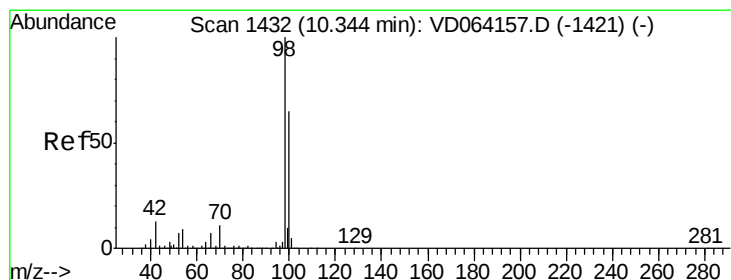
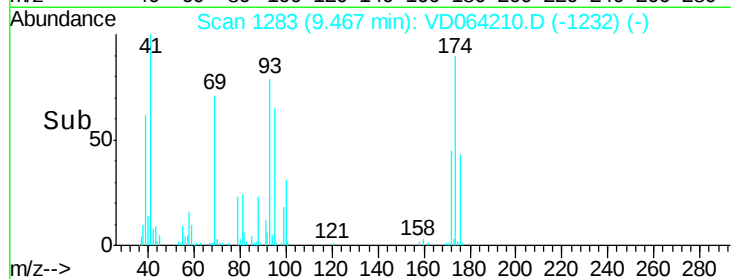
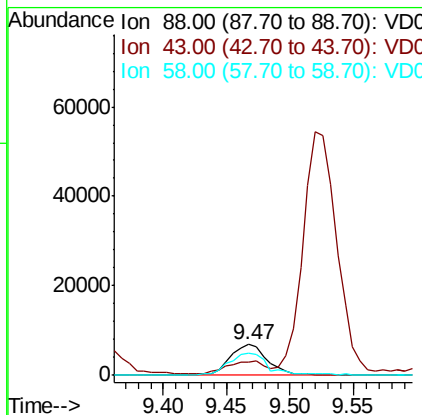
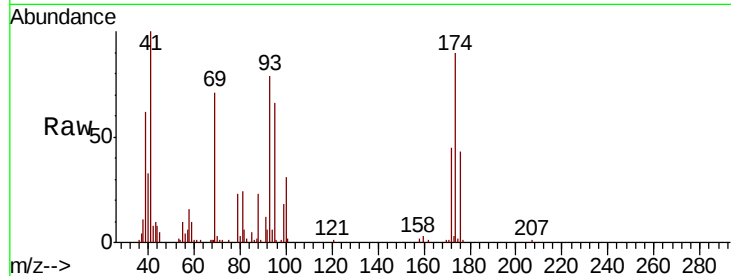
#49
1,4-Dioxane
Concen: 401.313 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.8
58	72.1	58.1	87.1

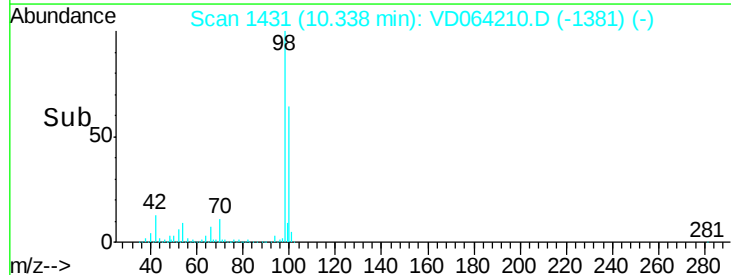
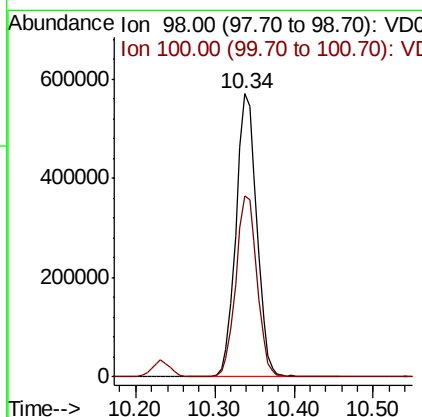
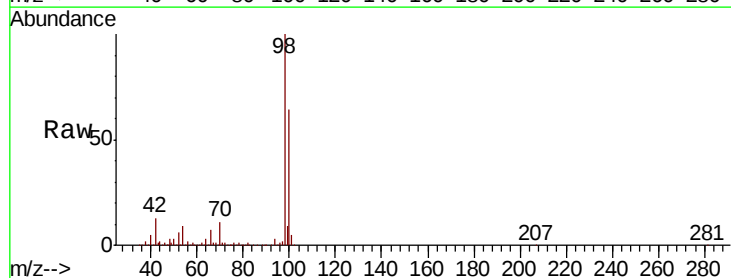
Manual Integrations
APPROVED

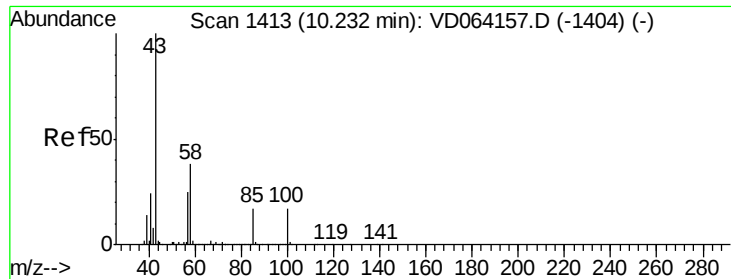
MMDadoda
11/15/2019 3:06:07 PM



#50
Toluene-d8
Concen: 52.948 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





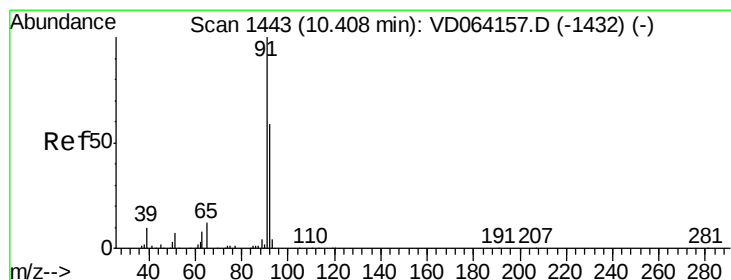
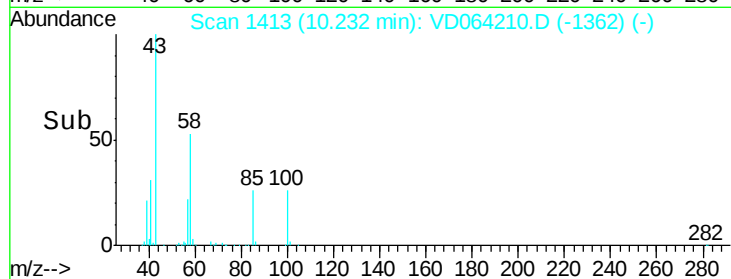
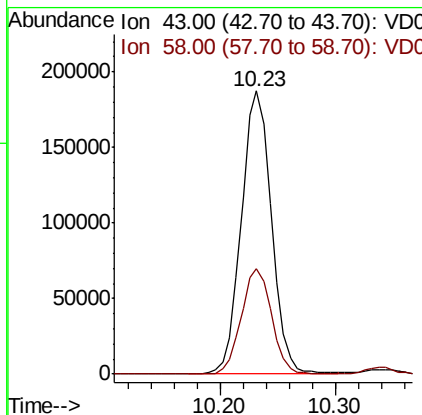
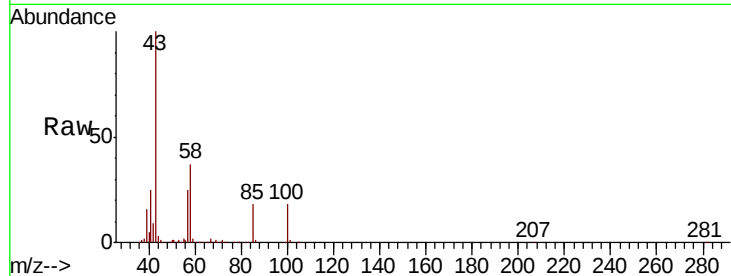
#51
4-Methyl-2-Pentanone
Concen: 97.437 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 43 Resp: 339223
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4

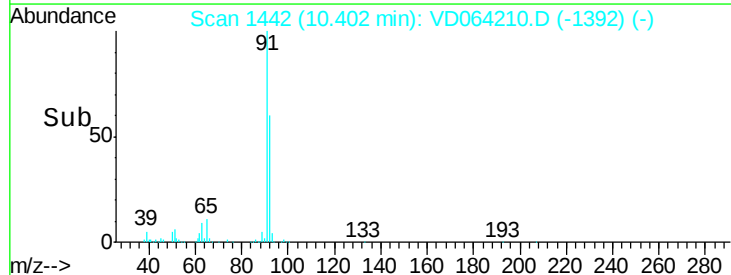
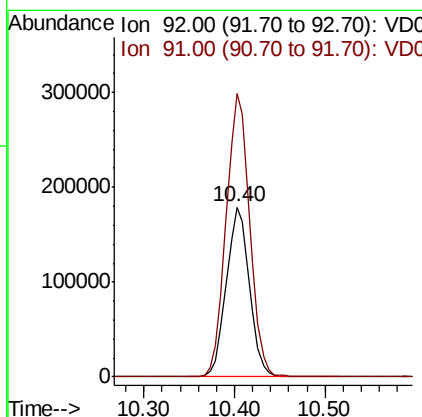
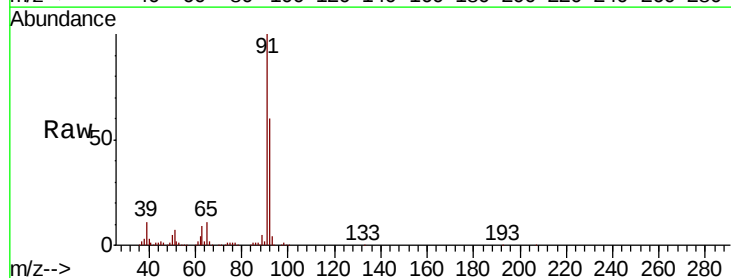
Manual Integrations
APPROVED

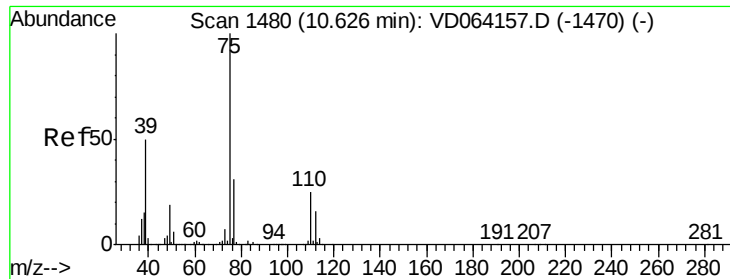
MMDadoda
11/15/2019 3:06:07 PM



#52
Toluene
Concen: 21.128 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 92 Resp: 317357
Ion Ratio Lower Upper
92 100
91 170.0 136.4 204.6





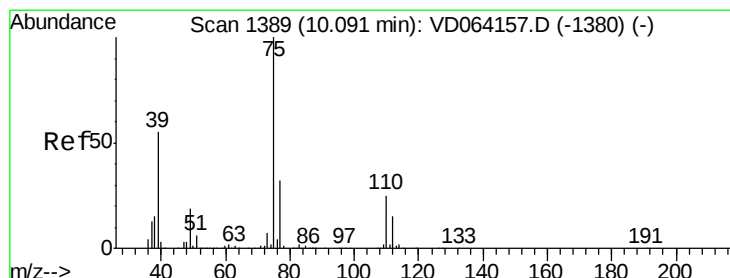
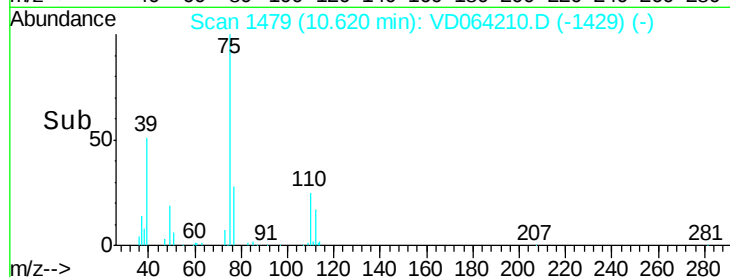
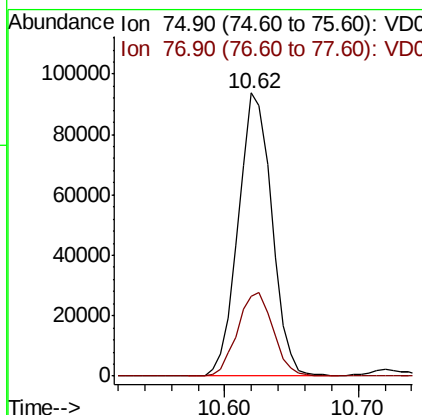
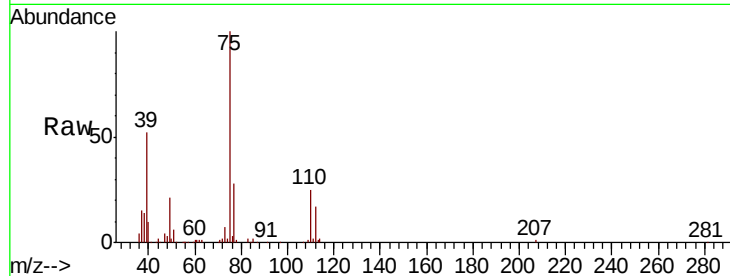
#53
t-1,3-Dichloropropene
Concen: 20.366 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 75 Resp: 163585
Ion Ratio Lower Upper
75 100
77 28.0 24.7 37.1

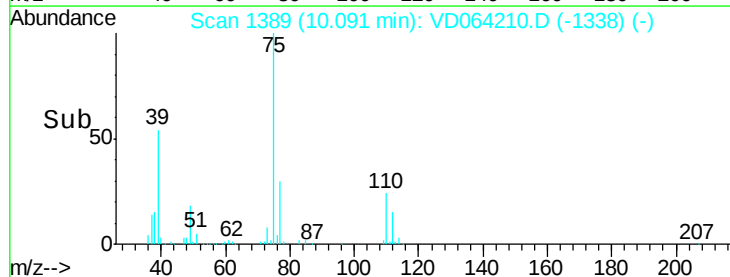
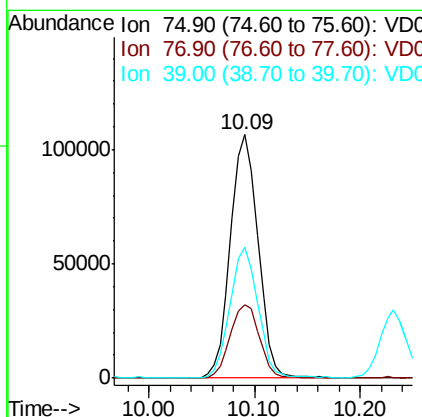
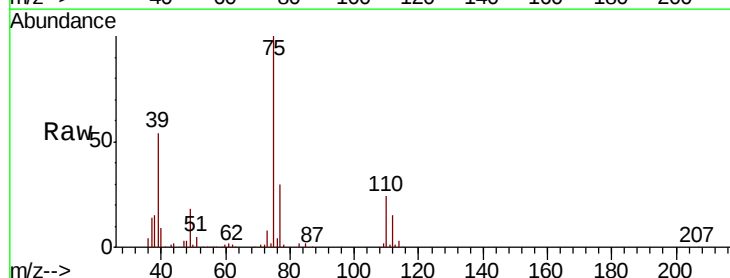
Manual Integrations
APPROVED

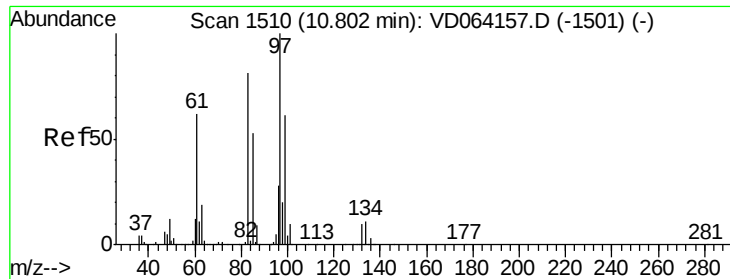
MMDadoda
11/15/2019 3:06:07 PM



#54
cis-1,3-Dichloropropene
Concen: 20.640 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 75 Resp: 193461
Ion Ratio Lower Upper
75 100
77 30.0 25.2 37.8
39 53.7 44.2 66.2





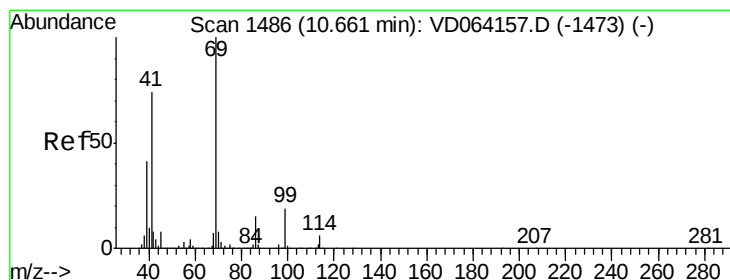
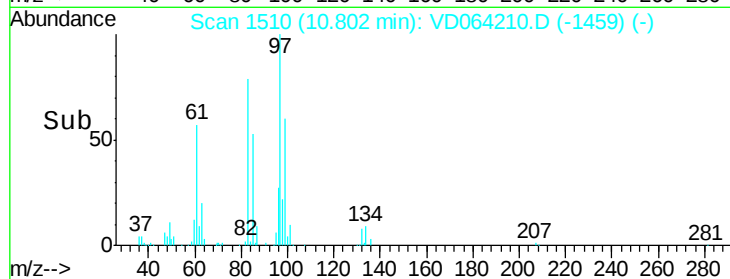
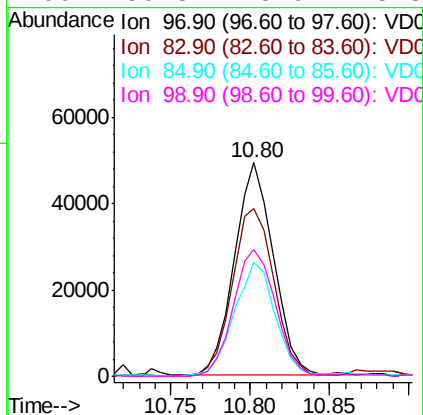
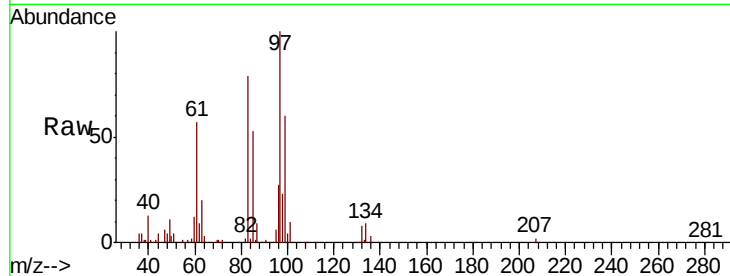
#55
 1,1,2-Trichloroethane
 Concen: 20.960 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.1	97.7
85	53.1	42.0	63.0
99	59.8	48.9	73.3

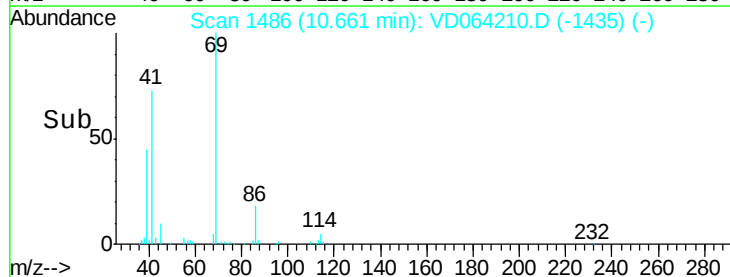
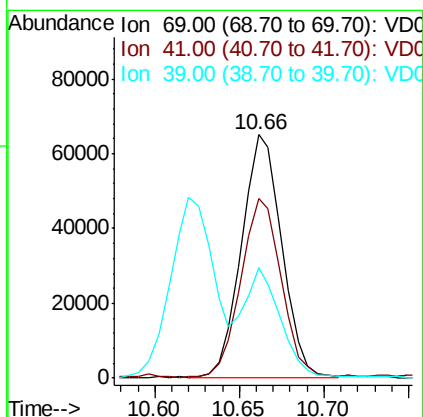
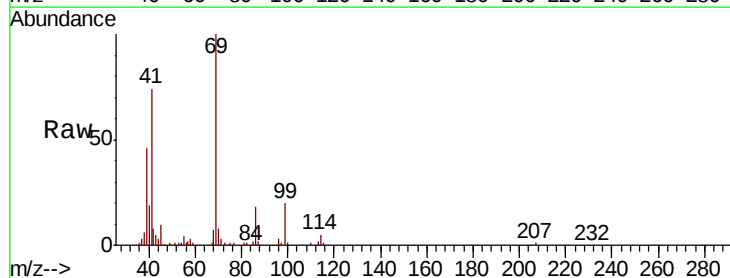
Manual Integrations
 APPROVED

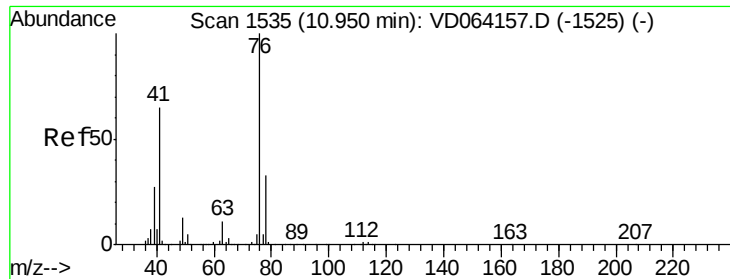
MMDadoda
 11/15/2019 3:06:07 PM



#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.9	86.9
39	41.5	29.0	43.4





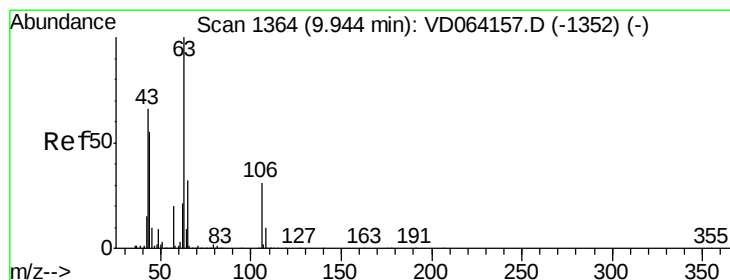
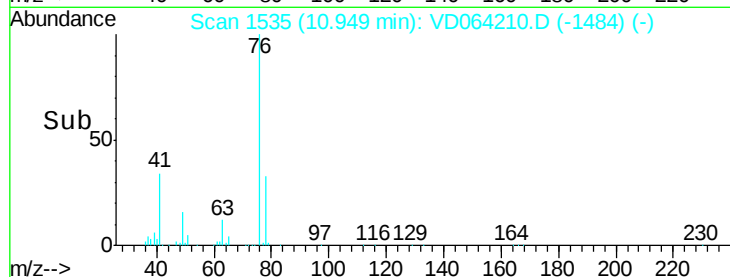
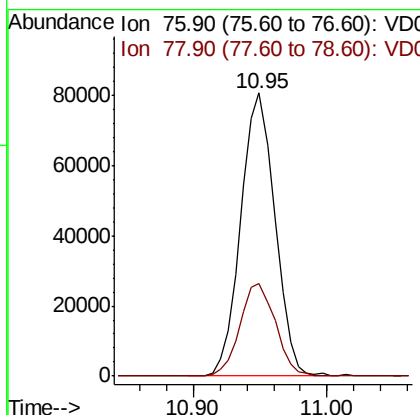
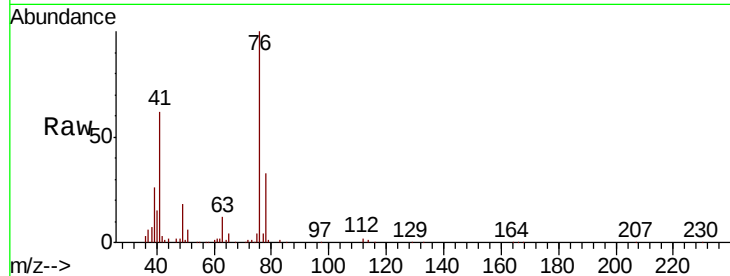
#57
 1,3-Dichloropropane
 Concen: 20.286 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 76 Resp: 142853
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.4

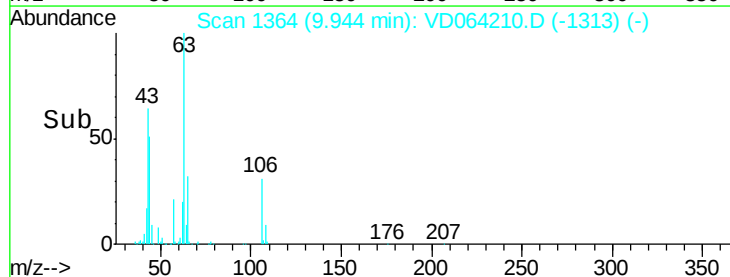
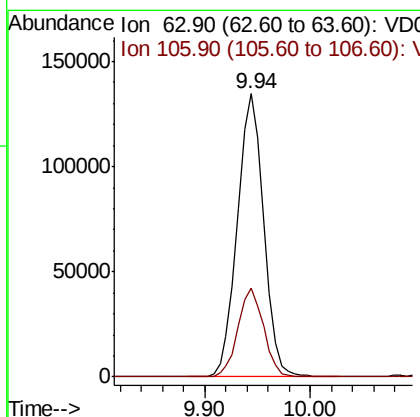
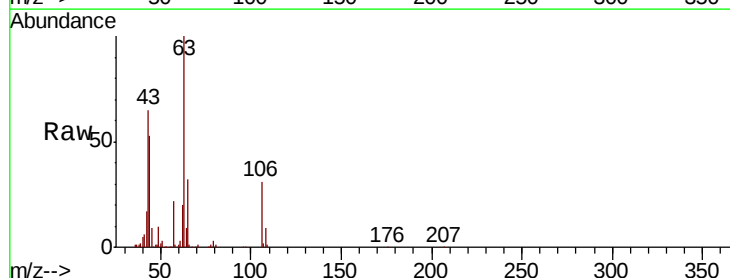
Manual Integrations
 APPROVED

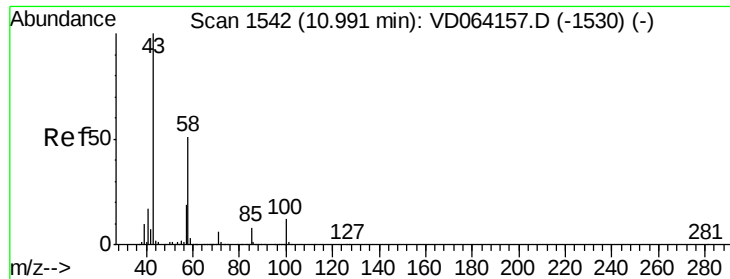
MMDadoda
 11/15/2019 3:06:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.373 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion: 63 Resp: 231944
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.1 36.1





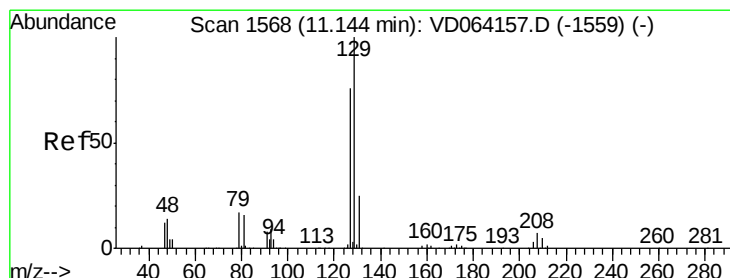
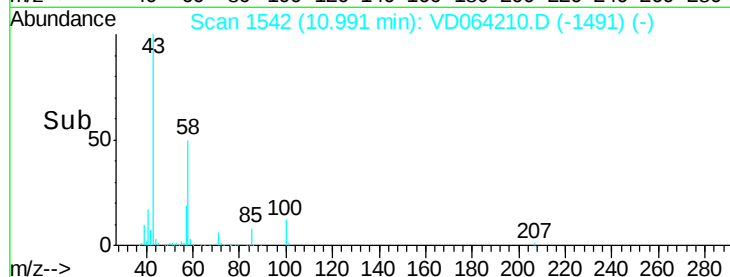
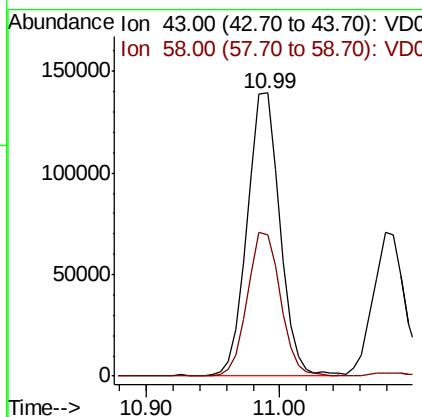
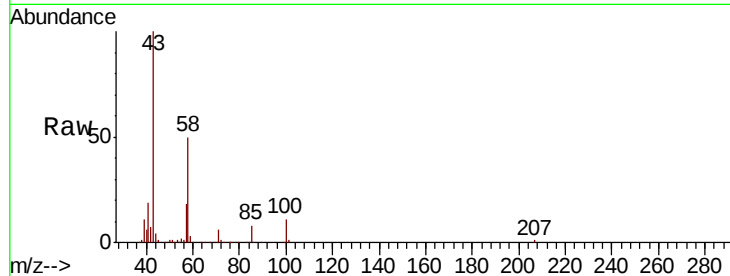
#59
2-Hexanone
Concen: 94.674 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion: 43 Resp: 234495
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

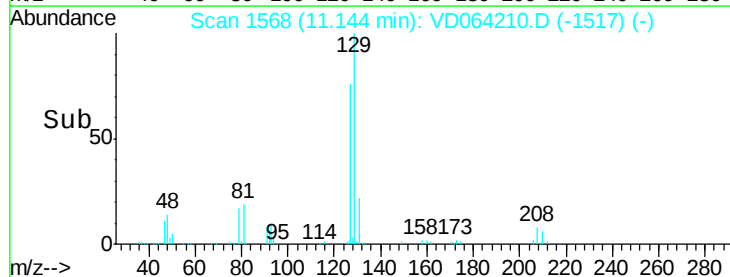
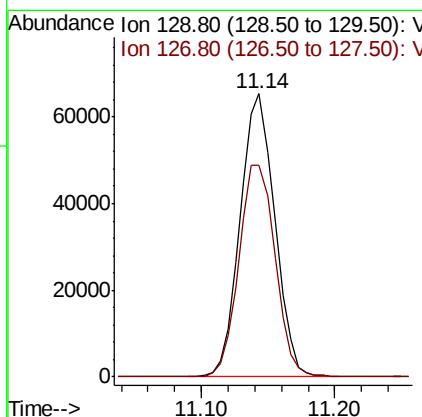
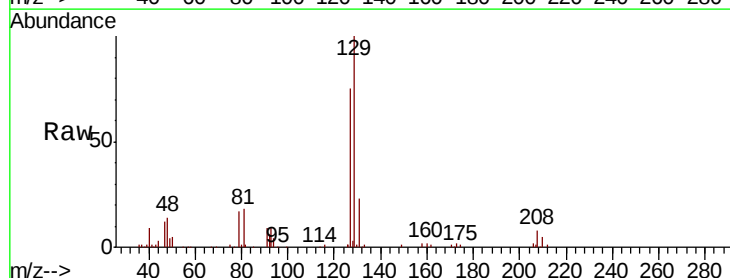
Manual Integrations
APPROVED

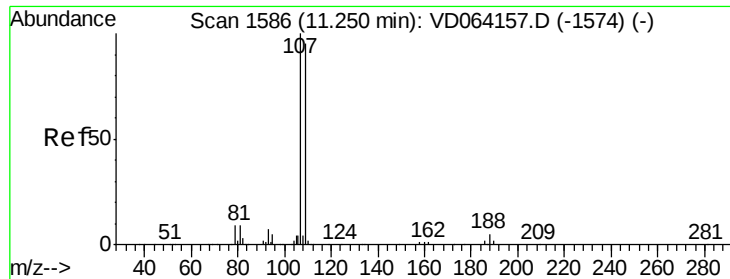
MMDadoda
11/15/2019 3:06:07 PM



#60
Dibromochloromethane
Concen: 20.840 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 129 Resp: 117420
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





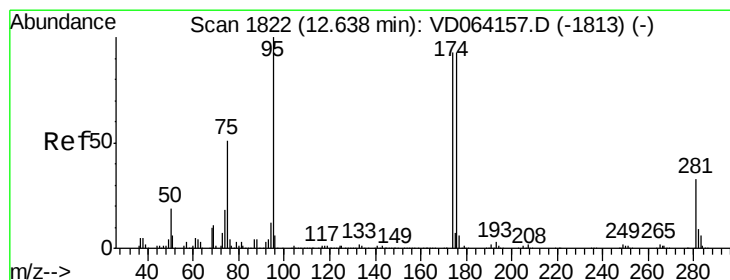
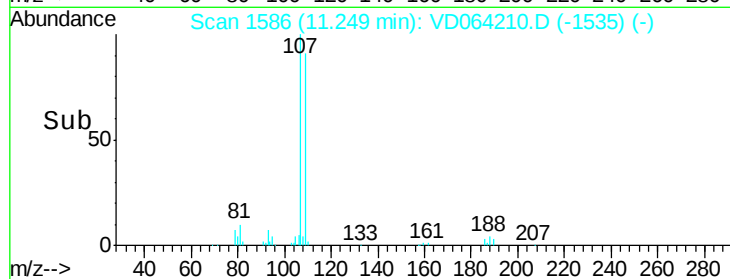
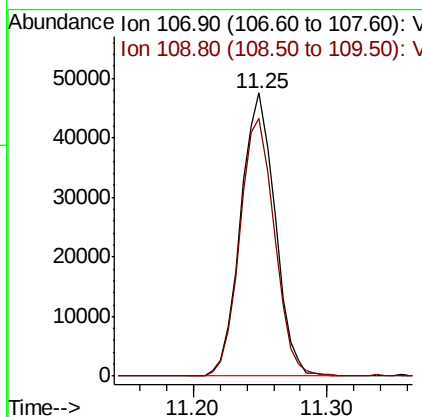
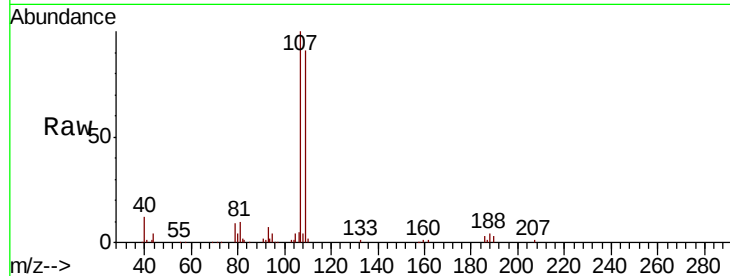
#61
 1,2-Dibromoethane
 Concen: 20.945 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion: 107 Resp: 84706
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.1 112.7

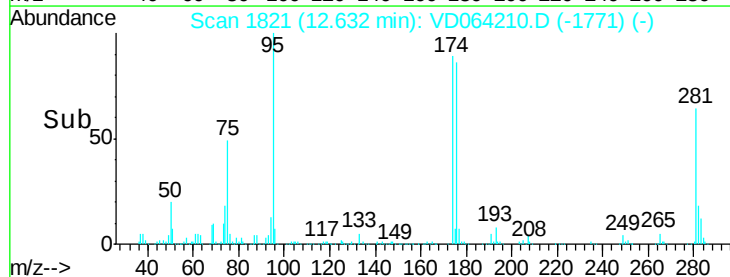
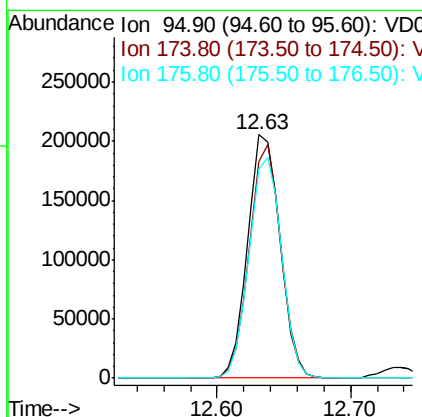
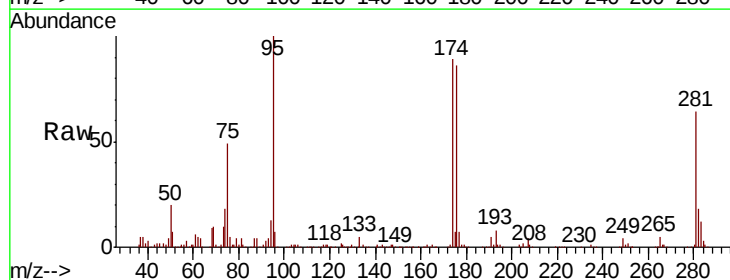
Manual Integrations
 APPROVED

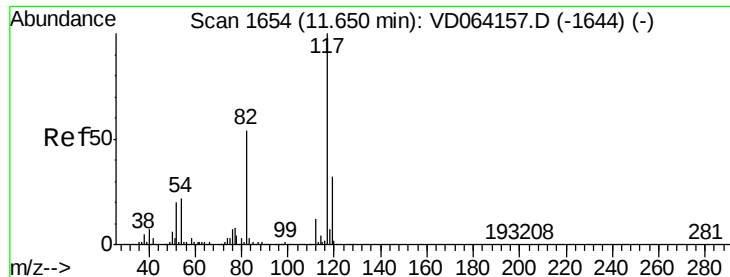
MMDadoda
 11/15/2019 3:06:07 PM



#62
 4-Bromofluorobenzene
 Concen: 50.760 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion: 95 Resp: 344724
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 183.6
 176 91.2 0.0 180.2





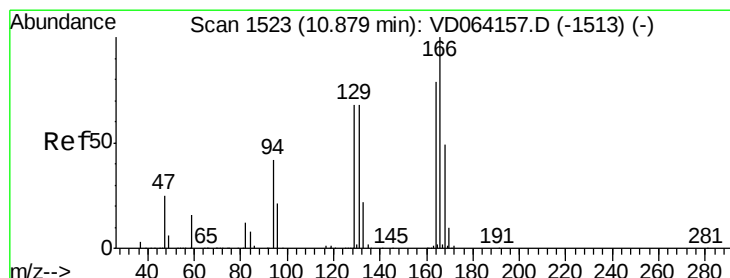
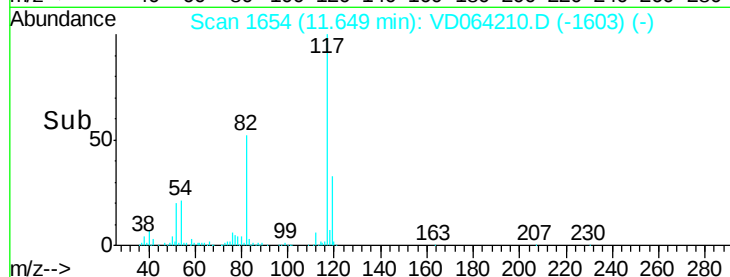
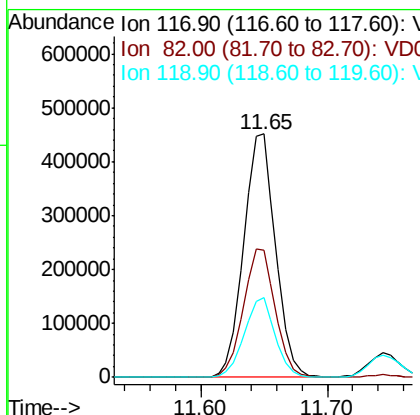
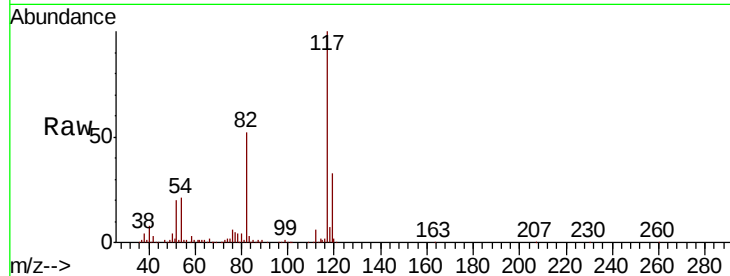
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.8	64.2
119	33.0	25.6	38.4

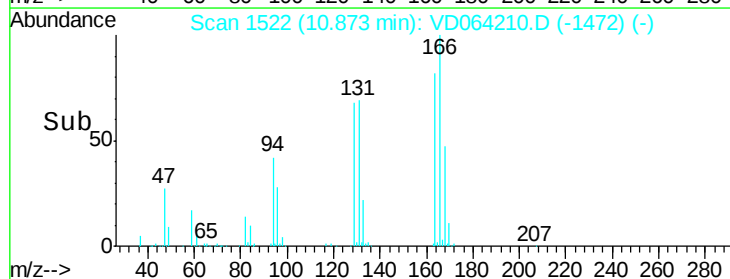
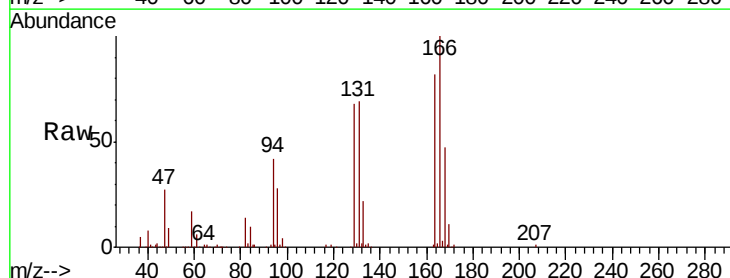
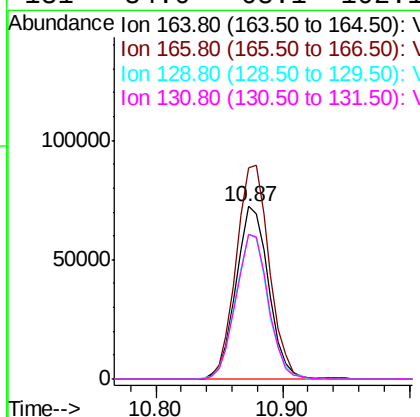
Manual Integrations
APPROVED

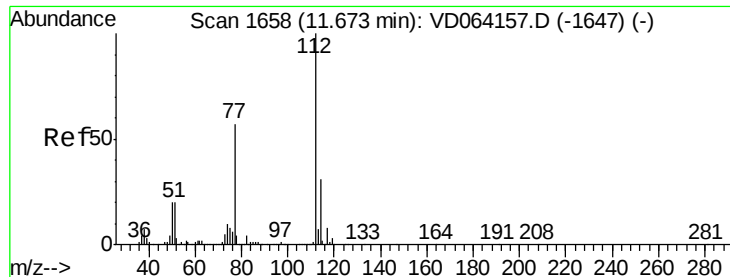
MMDadoda
11/15/2019 3:06:07 PM



#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.8	151.2
129	83.7	68.7	103.1
131	84.0	68.1	102.1





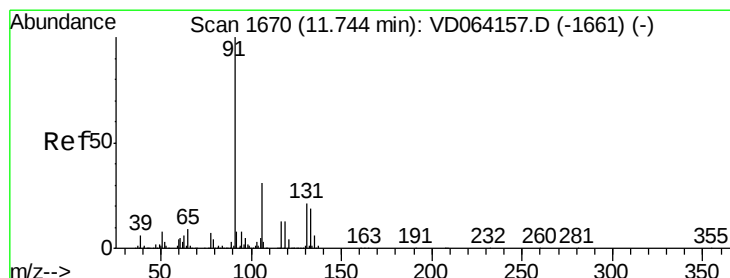
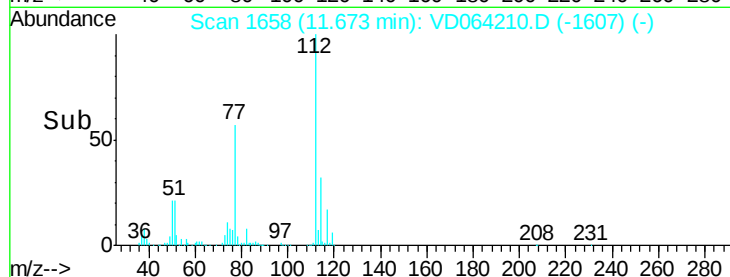
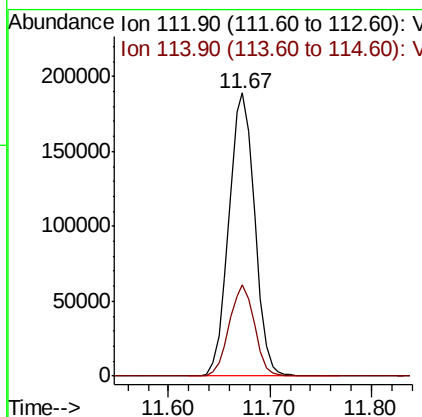
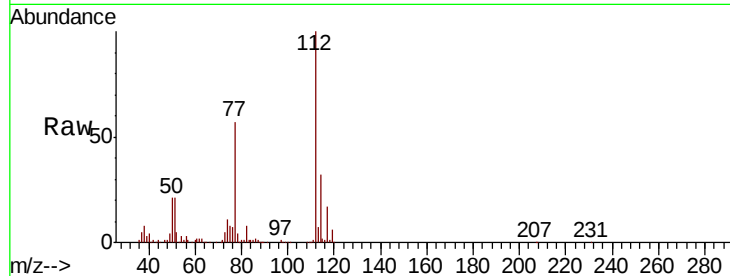
#65
Chlorobenzene
Concen: 20.854 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

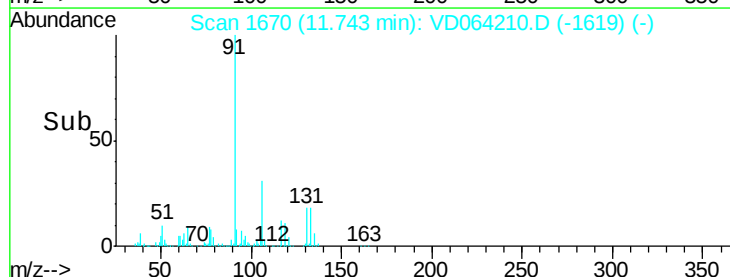
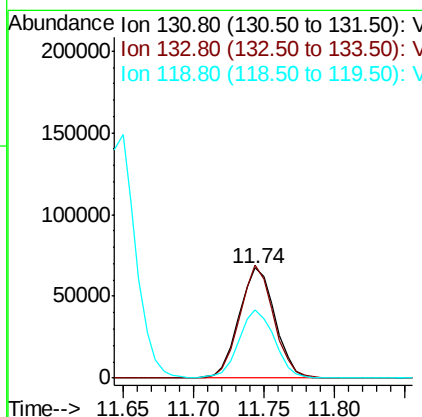
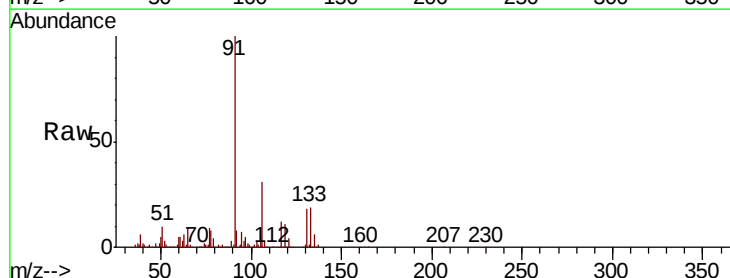
Manual Integrations
APPROVED

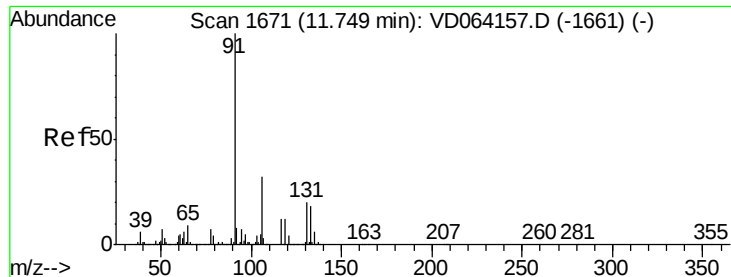
MMDadoda
11/15/2019 3:06:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.799 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.9
119	61.9	31.1	93.3





#67

Ethyl Benzene

Concen: 21.311 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 91 Resp: 617015

Ion Ratio Lower Upper

91 100

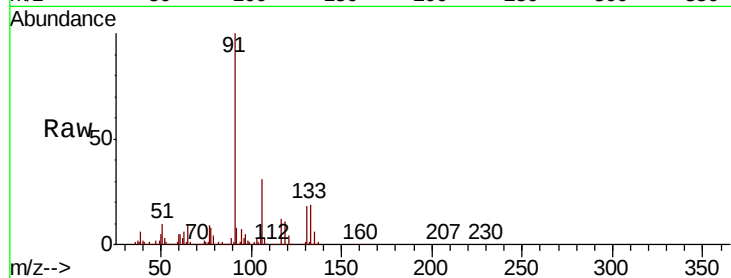
106 31.3 25.5 38.3

Manual Integrations

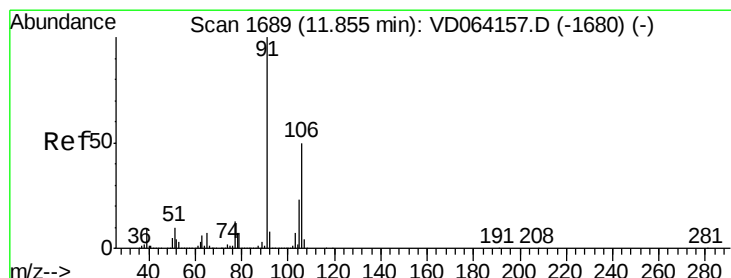
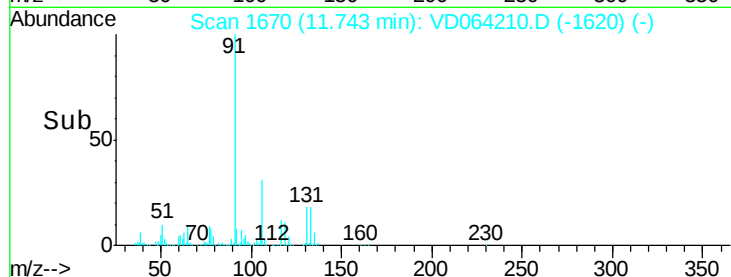
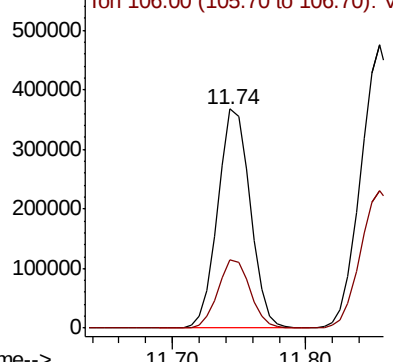
APPROVED

MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.648 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064210.D

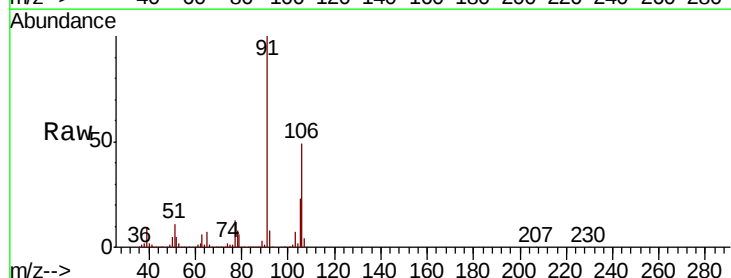
Acq: 14 Nov 2019 12:44

Tgt Ion: 106 Resp: 451103

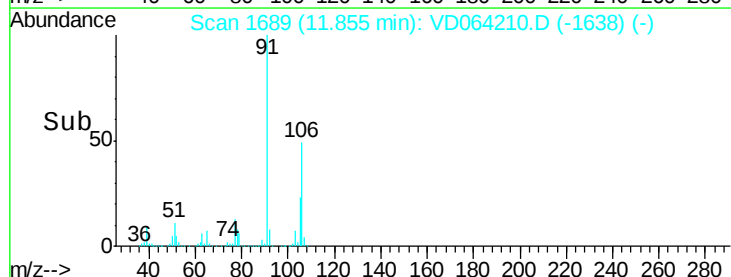
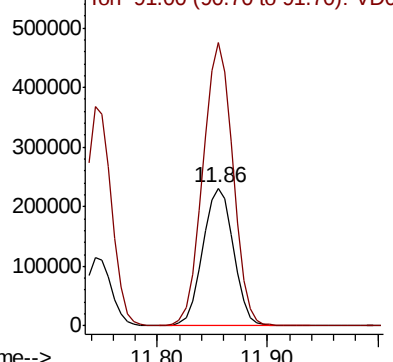
Ion Ratio Lower Upper

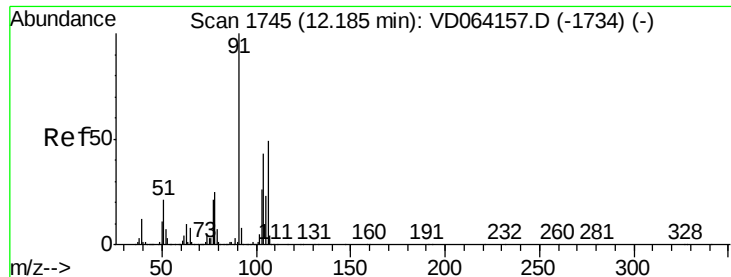
106 100

91 201.8 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V





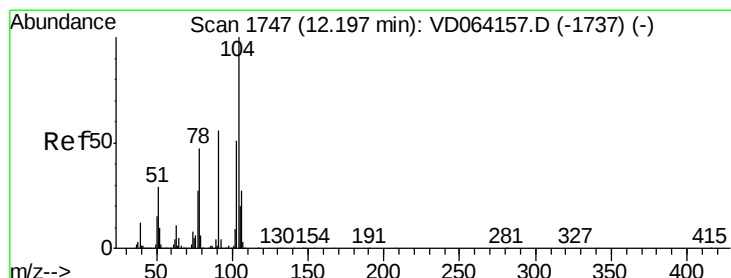
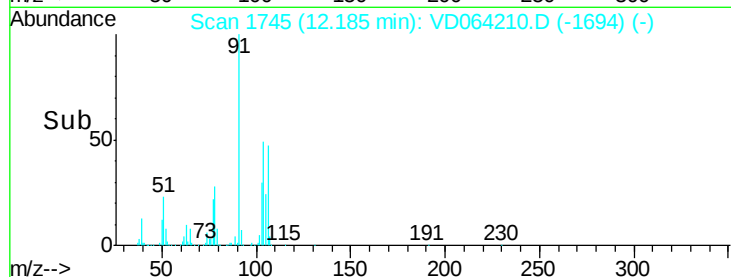
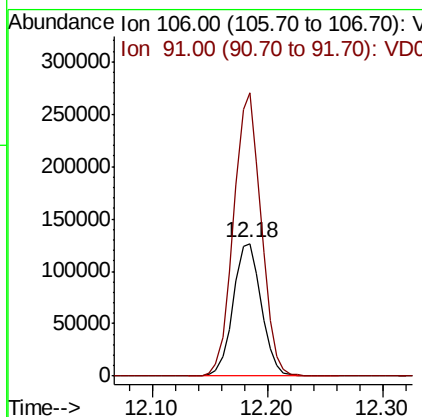
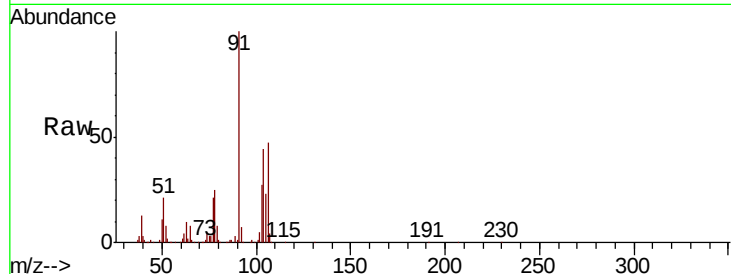
#69
o-Xylene
Concen: 20.732 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	105.1	315.3

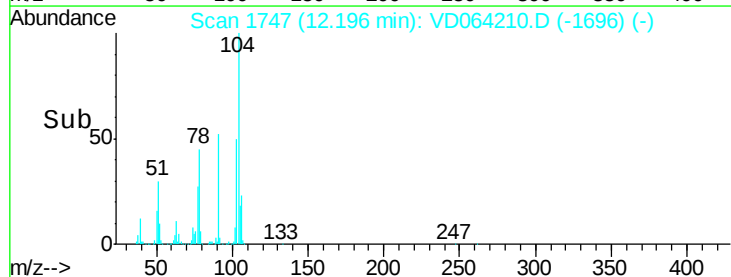
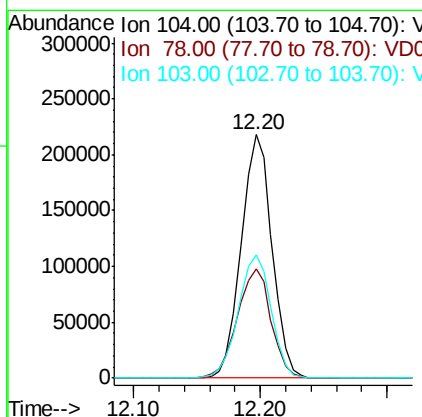
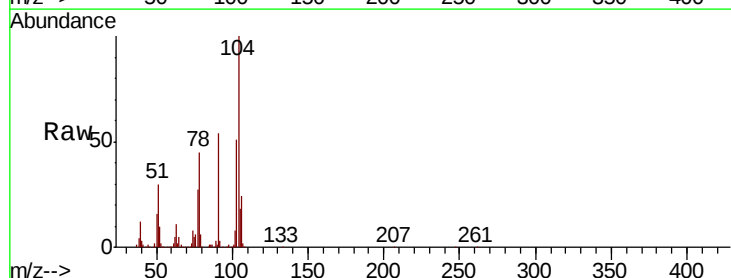
Manual Integrations
APPROVED

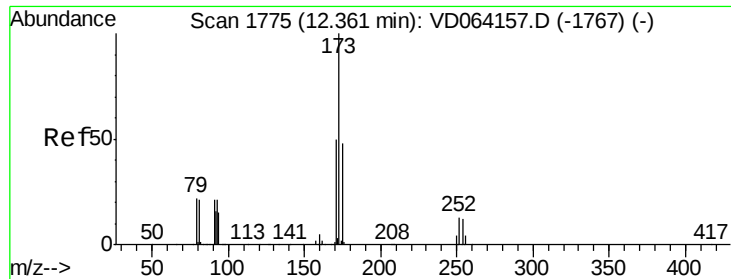
MMDadoda
11/15/2019 3:06:07 PM



#70
Styrene
Concen: 20.431 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.9	59.9
103	54.0	43.4	65.0





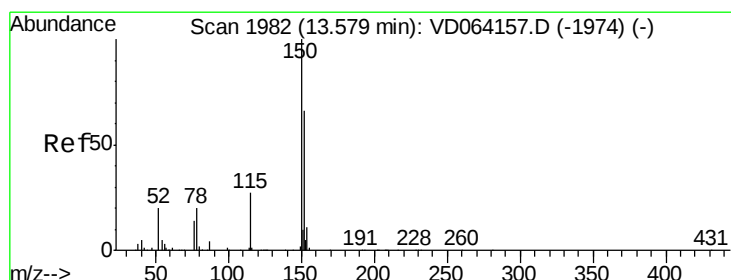
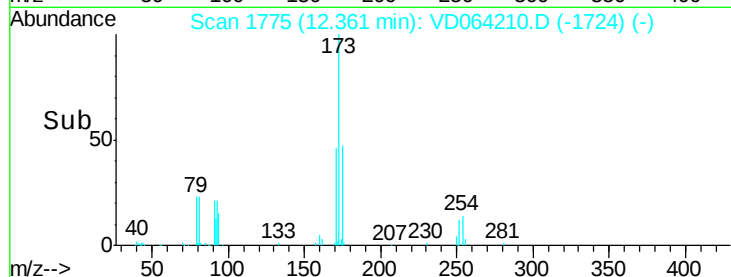
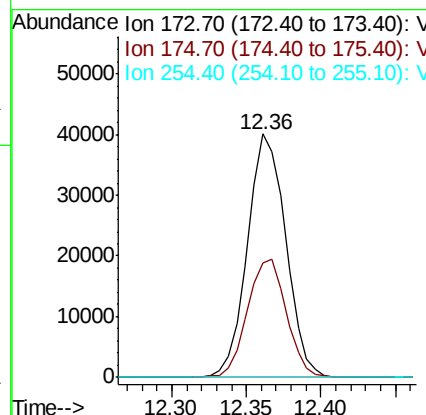
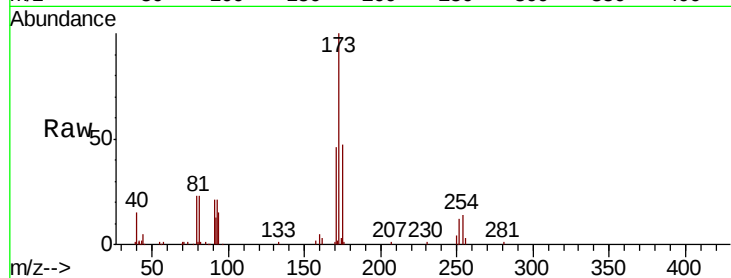
#71
Bromoform
Concen: 20.519 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.3
254	0.0	0.2	0.2

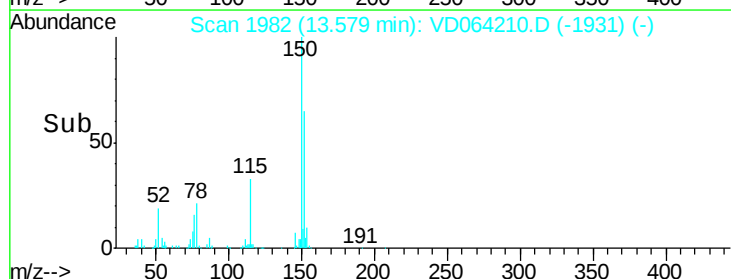
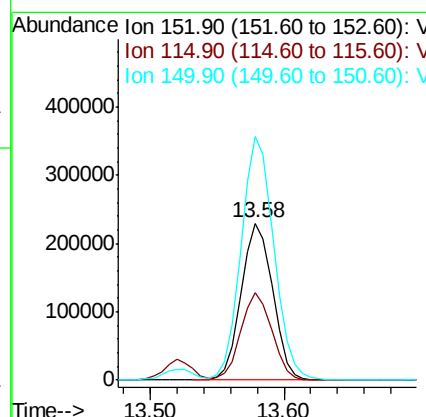
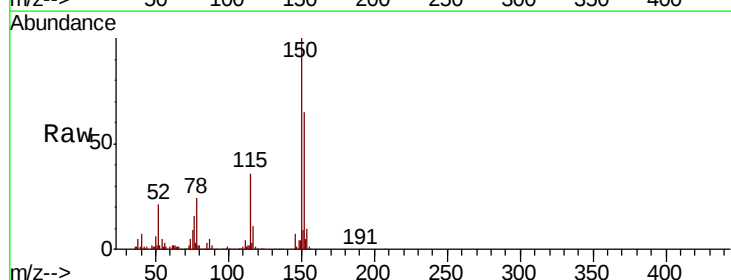
Manual Integrations
APPROVED

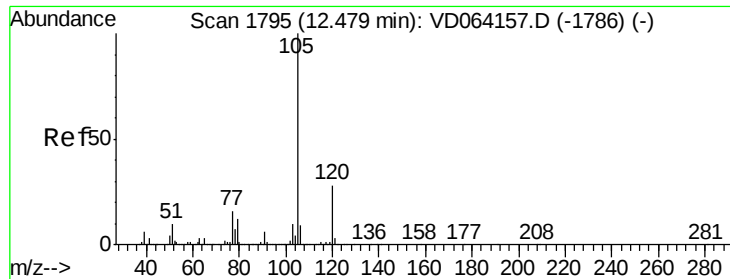
MMDadoda
11/15/2019 3:06:07 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.4	82.2
150	161.3	0.0	351.6





#73

Isopropylbenzene

Concen: 21.455 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 105 Resp: 591834

Ion Ratio Lower Upper

105 100

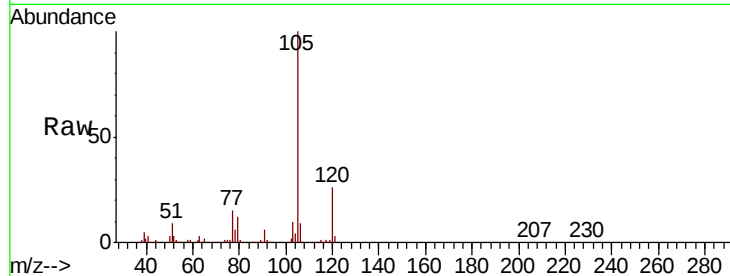
120 26.6 13.6 40.8

Manual Integrations

APPROVED

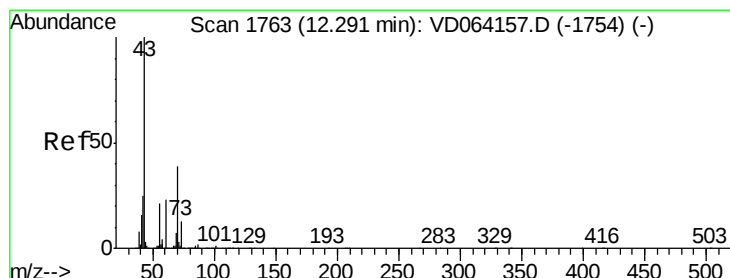
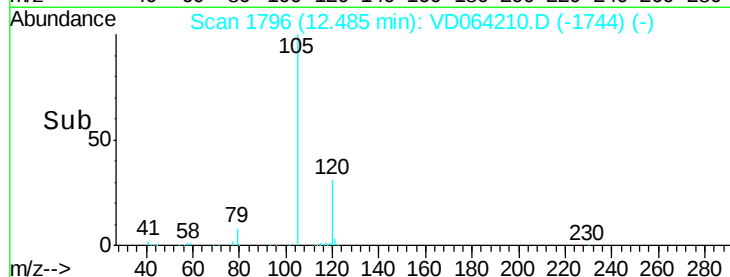
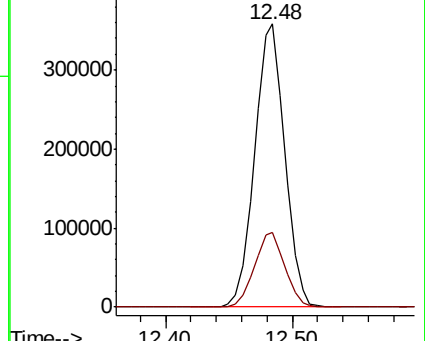
MMDadoda

11/15/2019 3:06:07 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.533 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion: 43 Resp: 127241

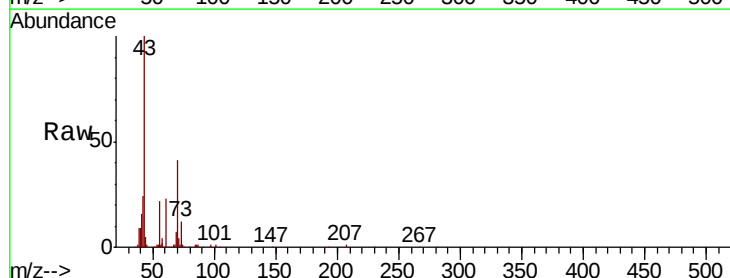
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 22.8 17.9 26.9

61 24.0 19.0 28.4

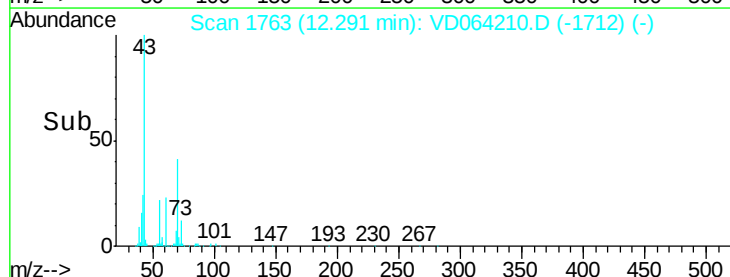
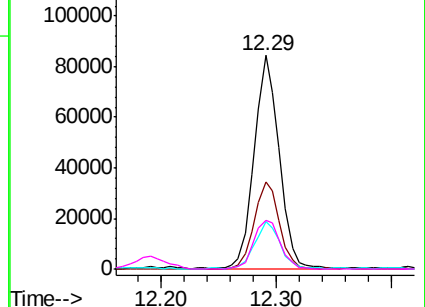


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.272 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

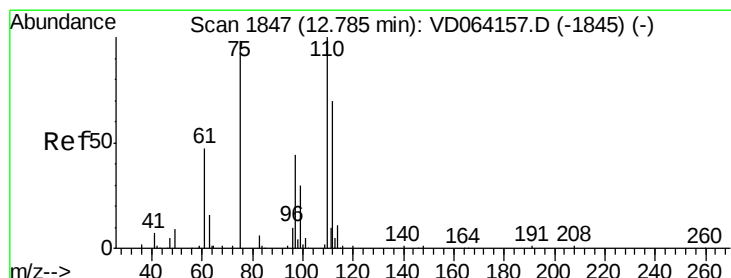
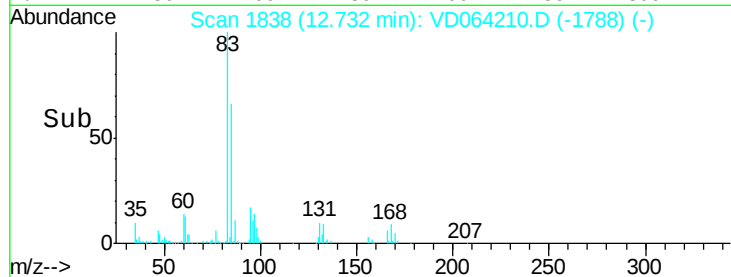
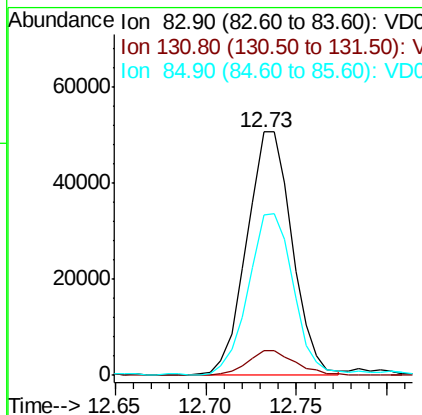
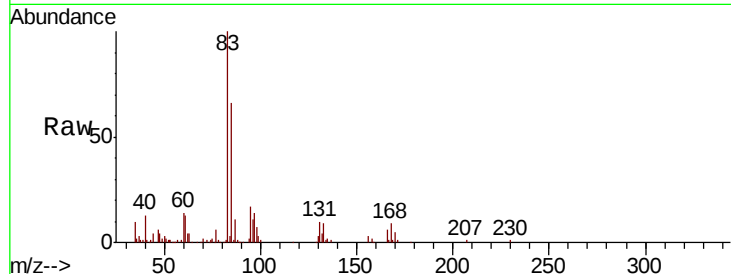
ClientSampleId :

VD1114SBS01

Tot Ion:	83	Resp:	88417
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.9	17.7
85	65.9	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#76

1,2,3-Trichloropropane

Concen: 21.711 ug/l m

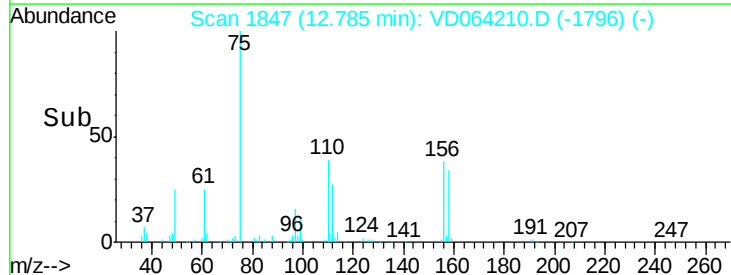
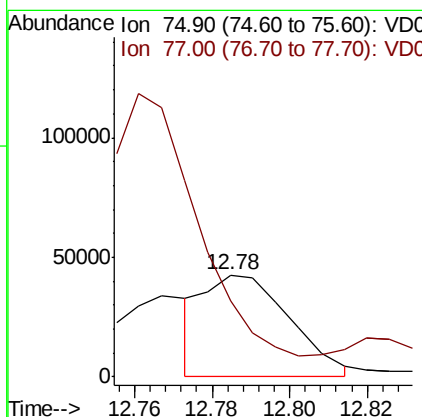
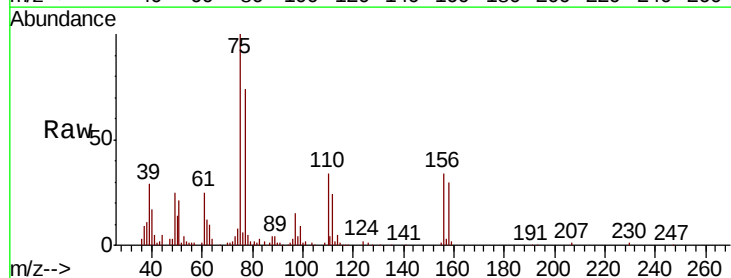
RT: 12.78 min Scan# 1847

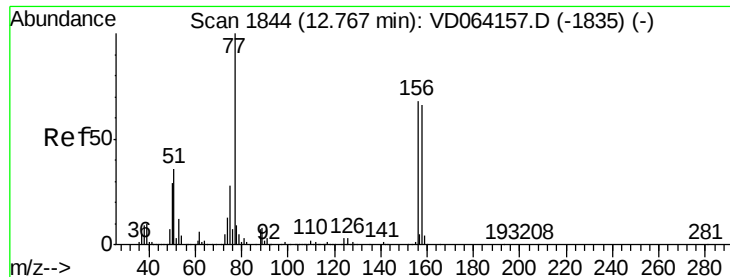
Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion:	75	Resp:	65723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.160 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

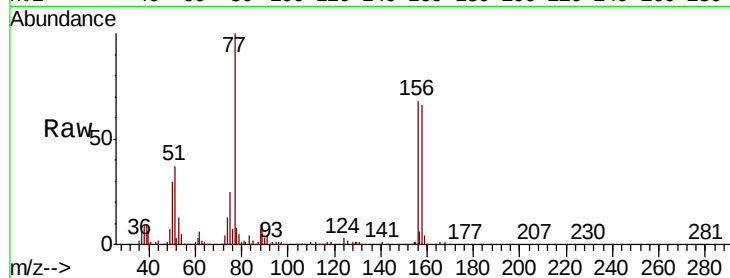
ClientSampleId :

VD1114SBS01

Tot Ion:	156	Resp:	135102
Ion Ratio	Lower	Upper	
156	100		
77	162.9	81.2	243.4
158	98.2	48.4	145.2

Manual Integrations
APPROVED

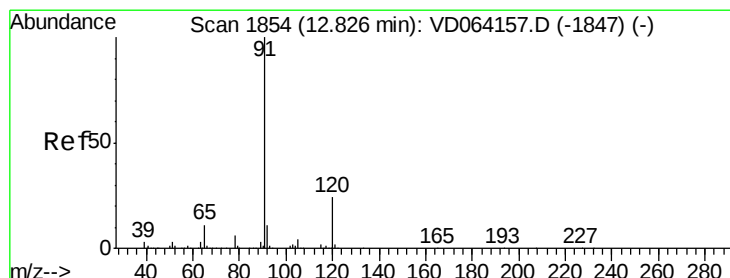
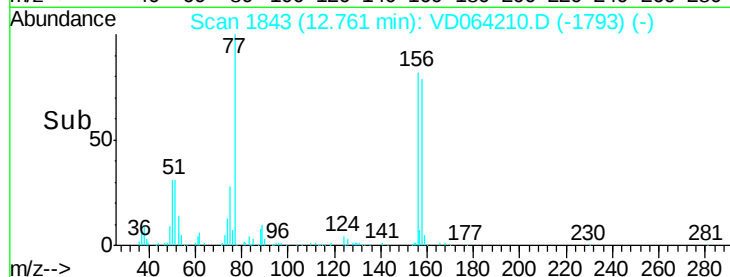
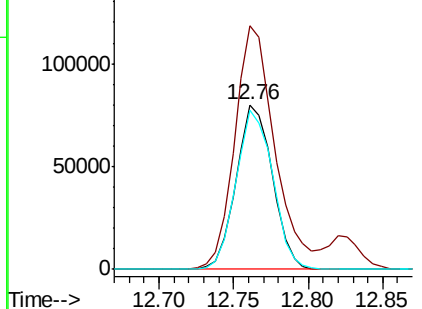
MMDadoda
11/15/2019 3:06:07 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.786 ug/l

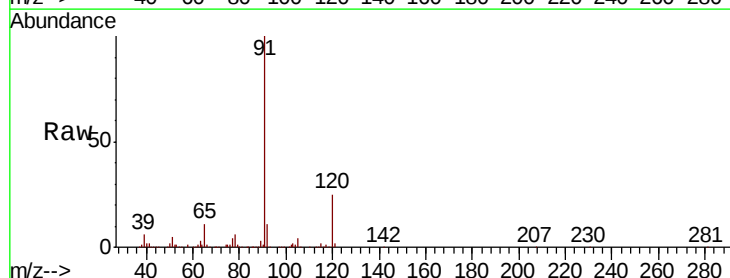
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064210.D

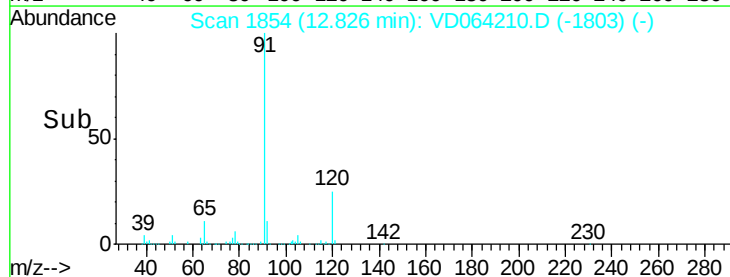
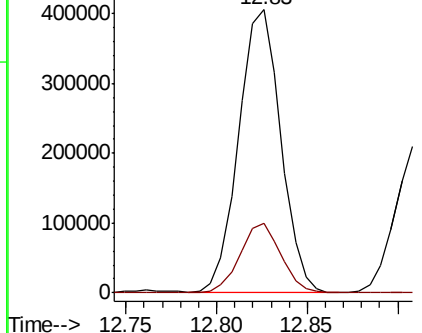
Acq: 14 Nov 2019 12:44

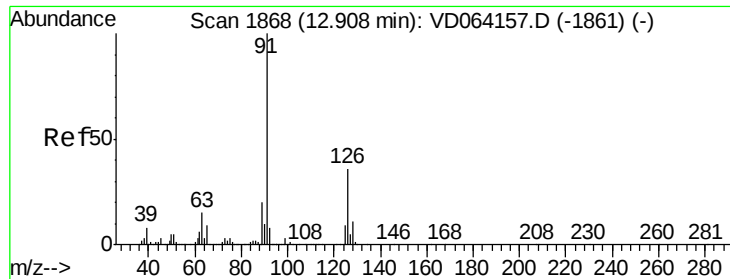
Tgt Ion:	91	Resp:	655113
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.277 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tot Ion: 91 Resp: 360799

Ion Ratio Lower Upper

91 100

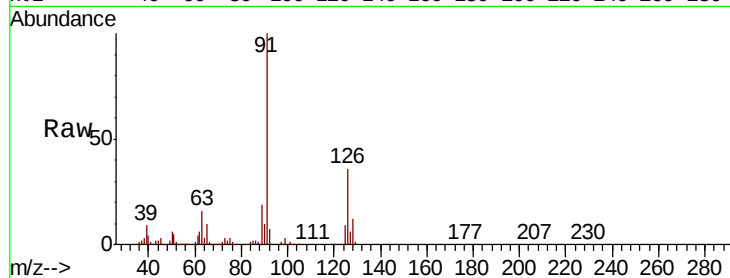
126 36.4 17.7 53.1

Manual Integrations

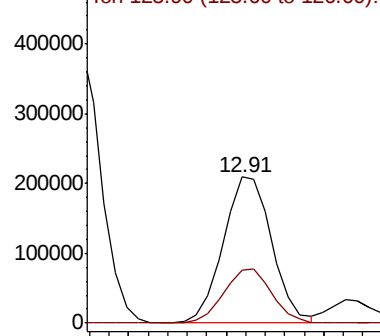
APPROVED

MMDadoda

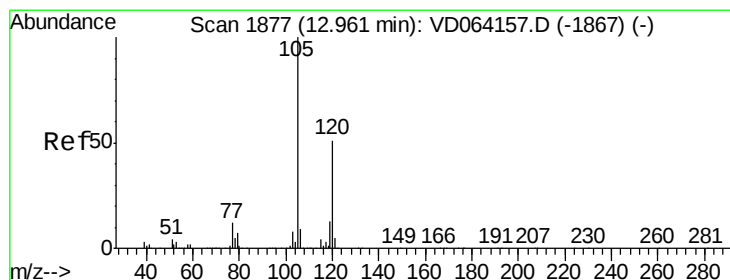
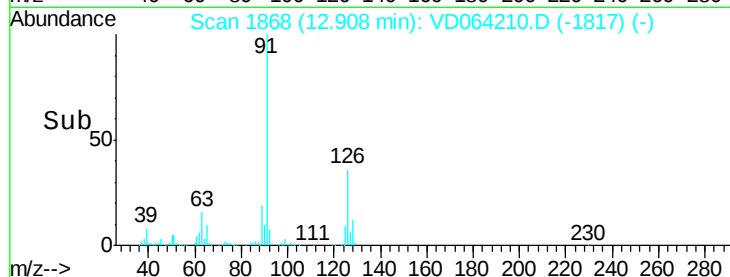
11/15/2019 3:06:07 PM



Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.145 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064210.D

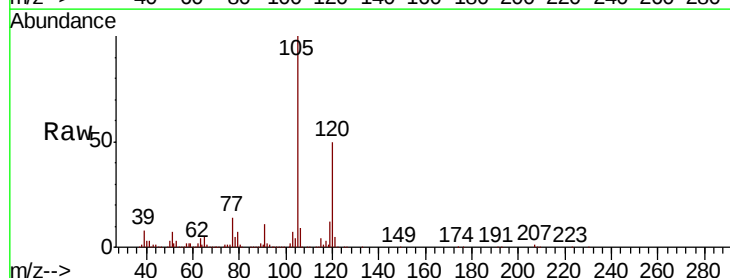
Acq: 14 Nov 2019 12:44

Tgt Ion: 105 Resp: 479280

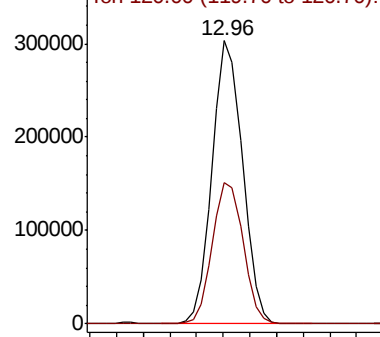
Ion Ratio Lower Upper

105 100

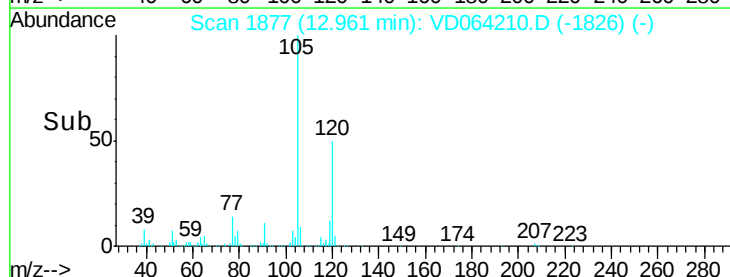
120 50.8 25.4 76.4

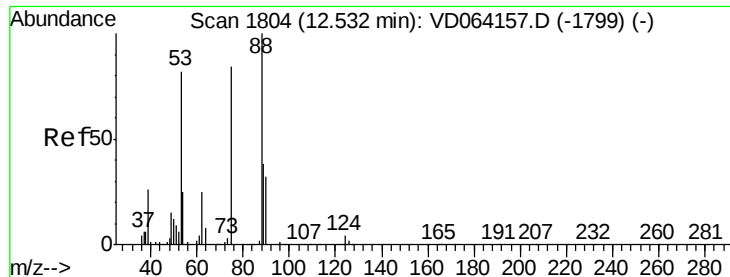


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.679 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

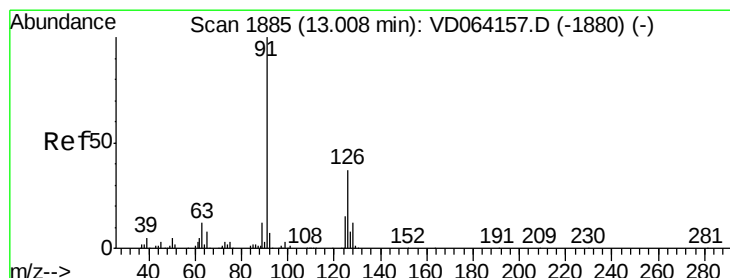
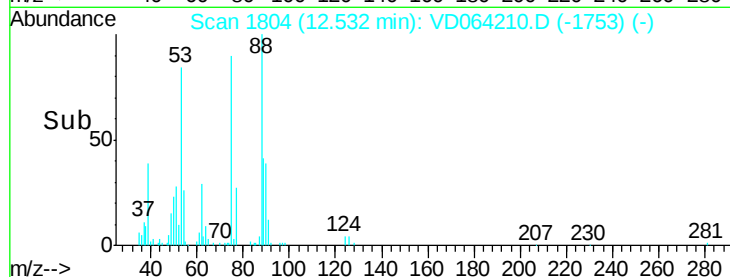
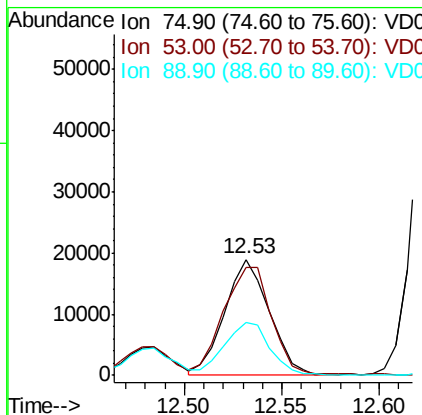
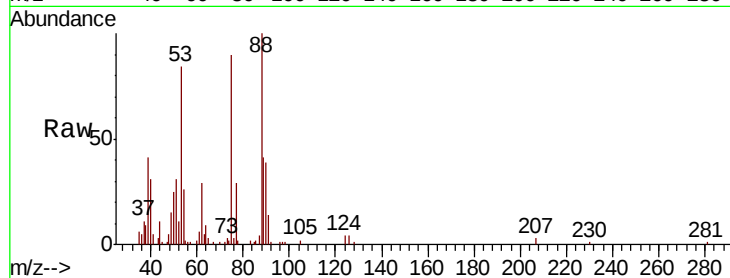
ClientSampleId :

VD1114SBS01

Tot Ion:	75	Resp:	29989
Ion	Ratio	Lower	Upper
75	100		
53	97.8	79.4	119.0
89	45.8	36.6	55.0

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#82

4-Chlorotoluene

Concen: 20.382 ug/l

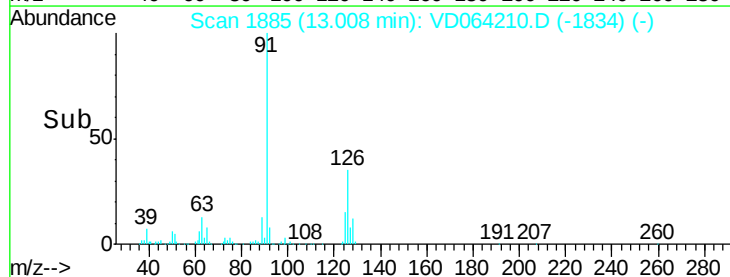
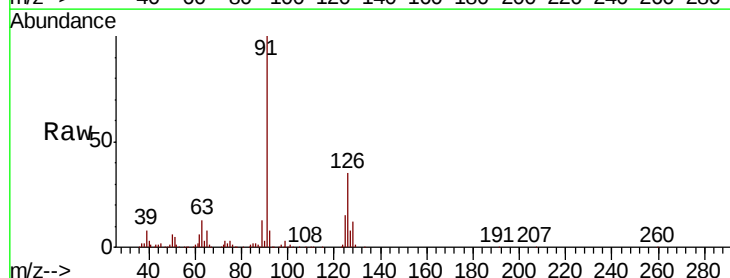
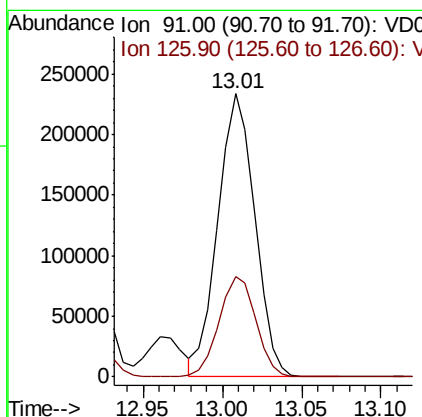
RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion:	91	Resp:	378264
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4





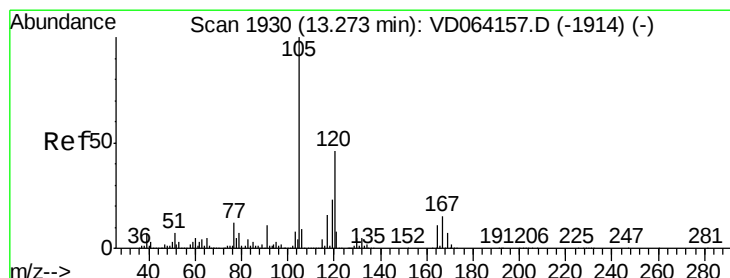
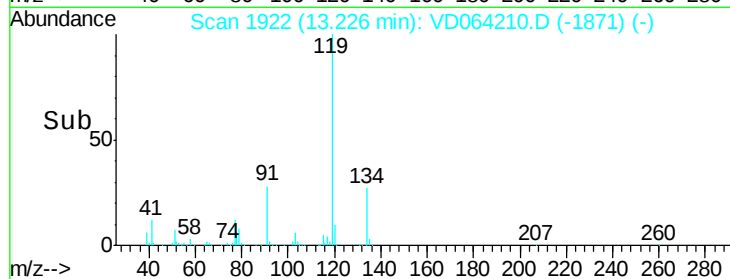
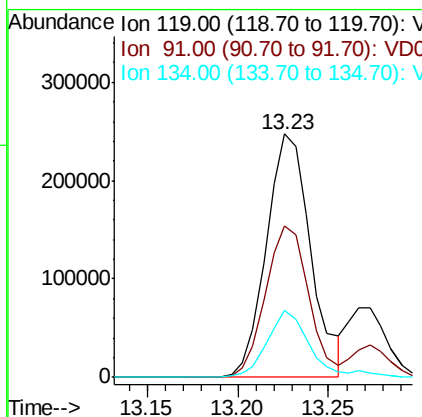
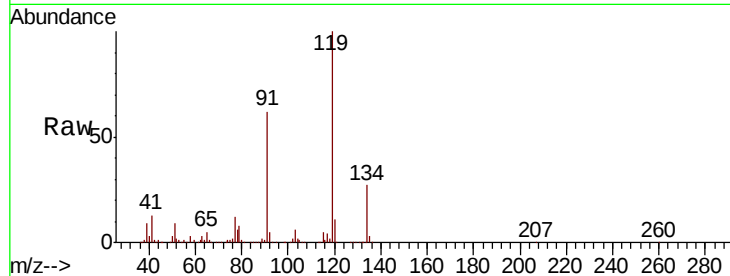
#83
tert-Butylbenzene
Concen: 21.162 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.8	95.4
134	25.4	13.7	41.0

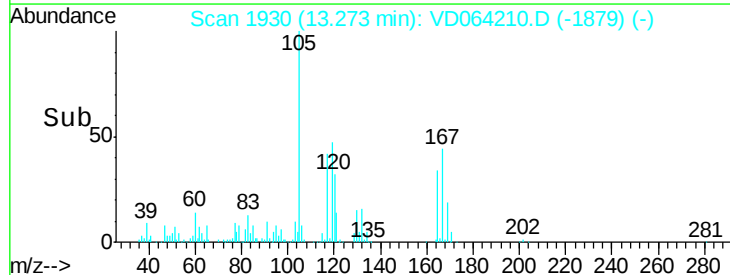
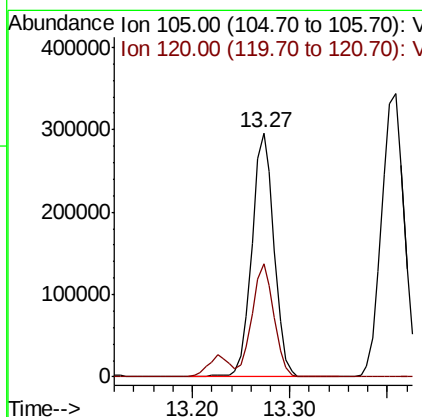
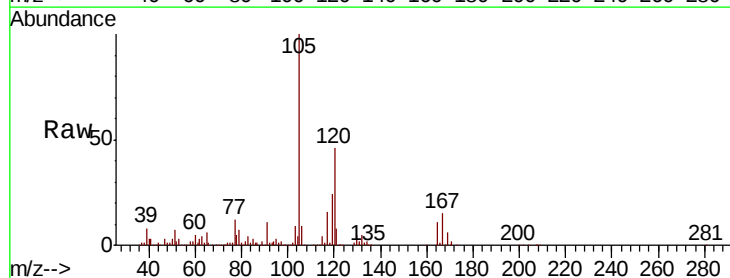
Manual Integrations
APPROVED

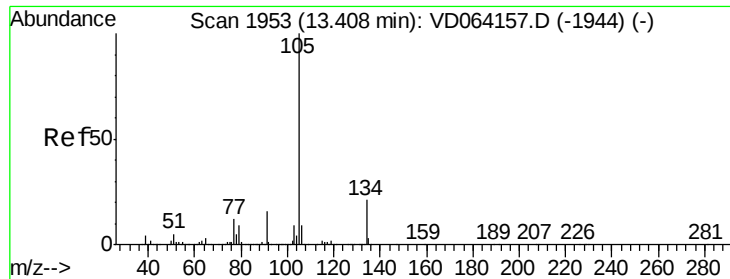
MMDadoda
11/15/2019 3:06:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.131 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.8





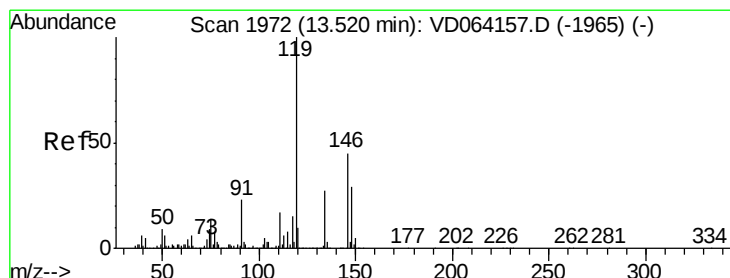
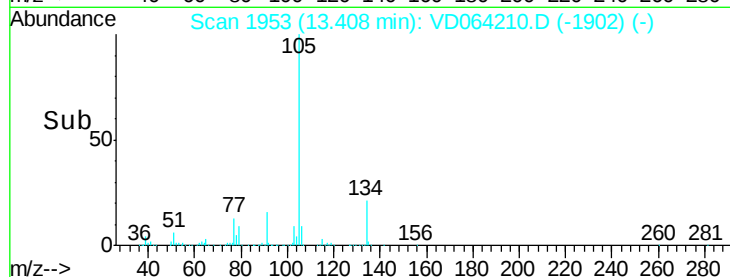
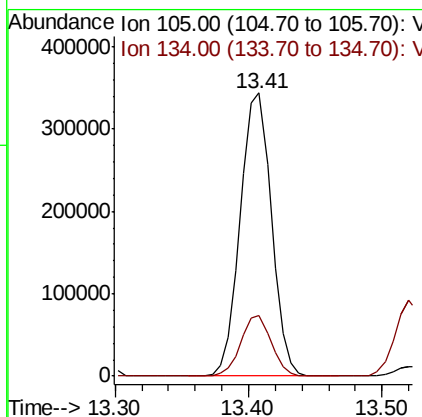
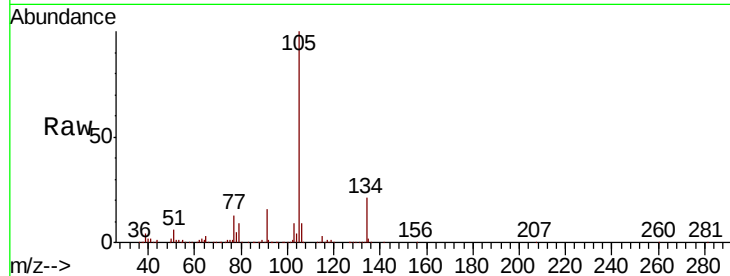
#85
 sec-Butylbenzene
 Concen: 20.723 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.7	31.9

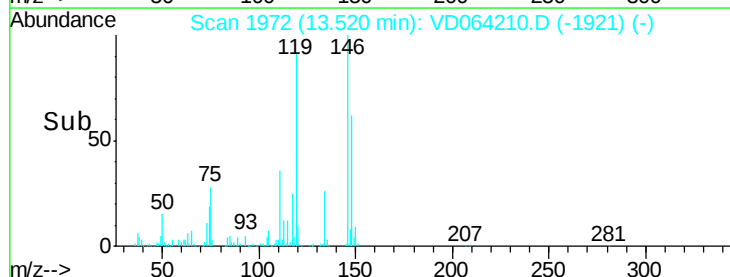
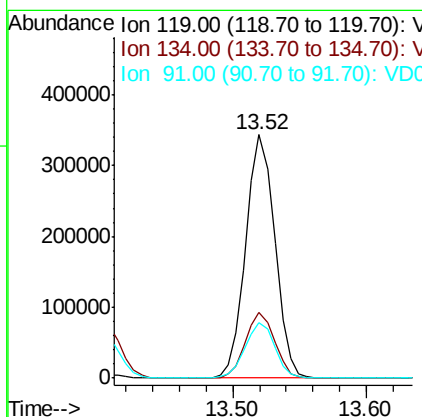
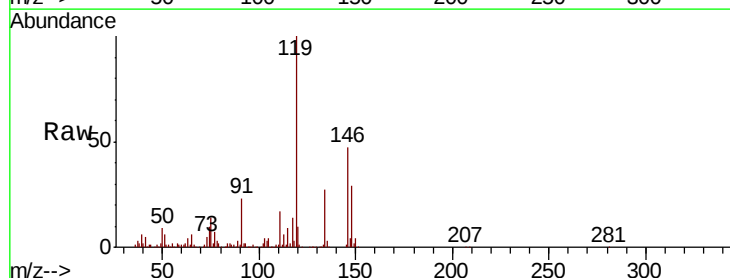
Manual Integrations
 APPROVED

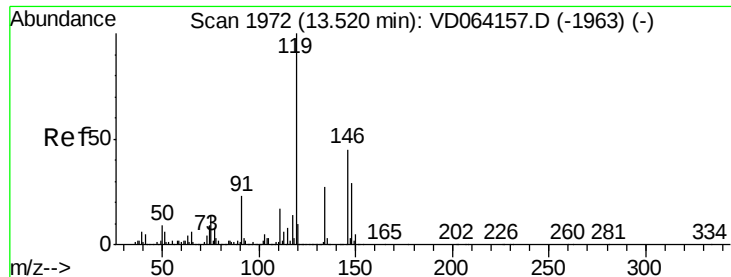
MMDadoda
 11/15/2019 3:06:07 PM



#86
 p-Isopropyltoluene
 Concen: 20.246 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.5
91	23.0	11.5	34.4





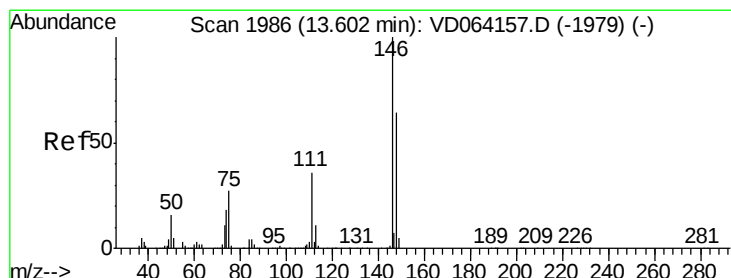
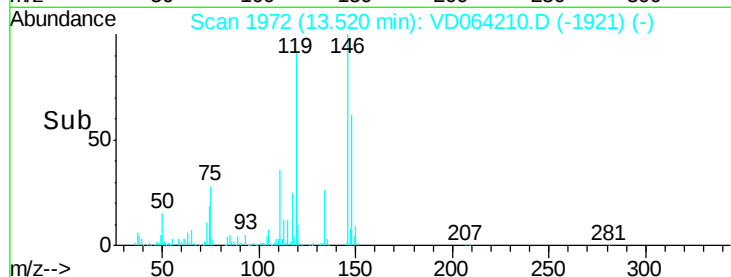
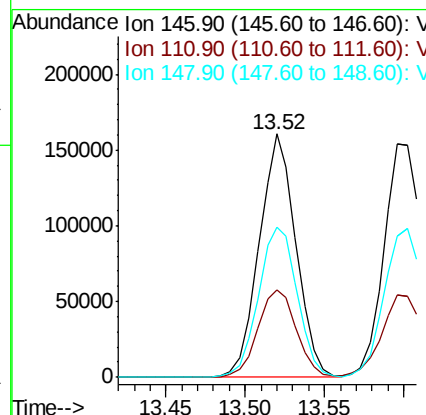
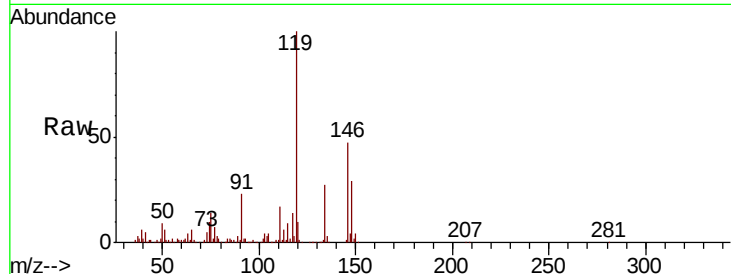
#87
 1,3-Dichlorobenzene
 Concen: 20.802 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	65.2	32.1	96.5

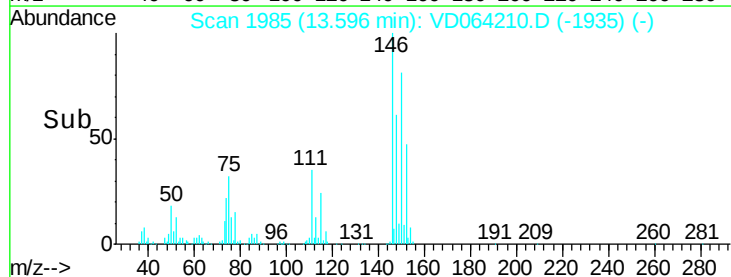
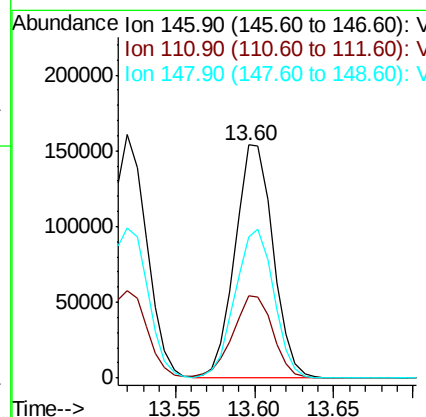
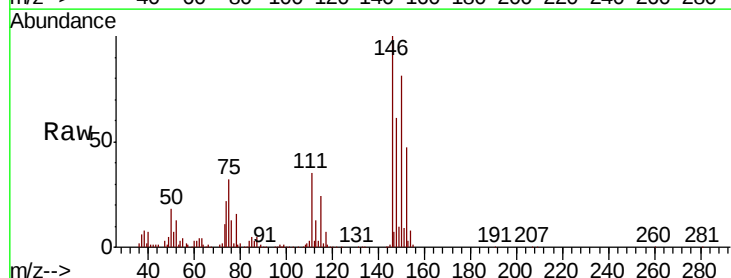
Manual Integrations
 APPROVED

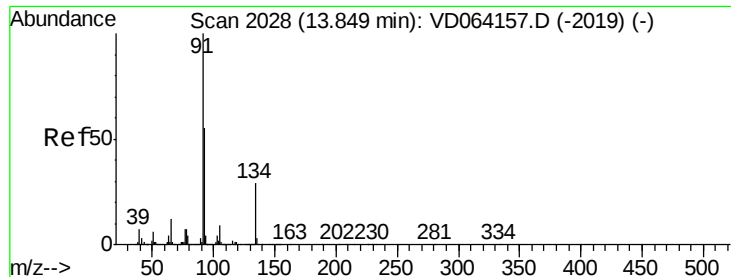
MMDadoda
 11/15/2019 3:06:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.4
148	64.8	31.9	95.7





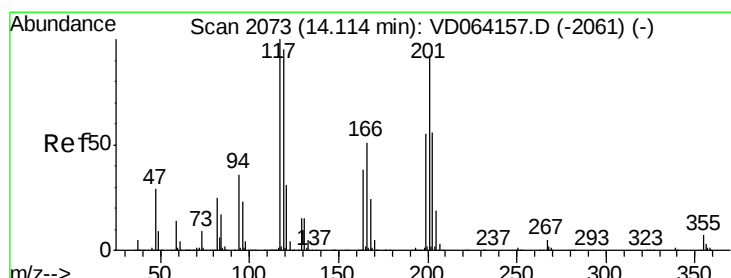
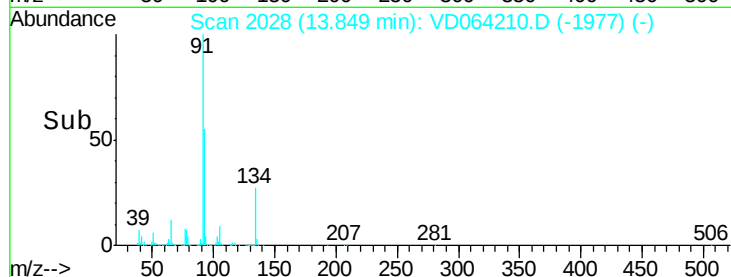
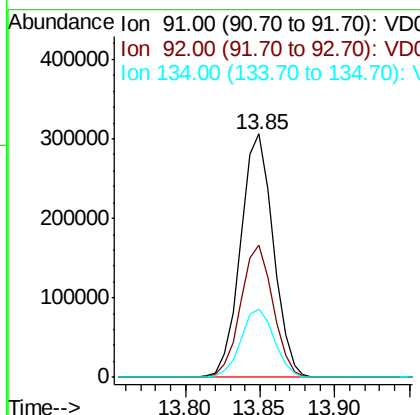
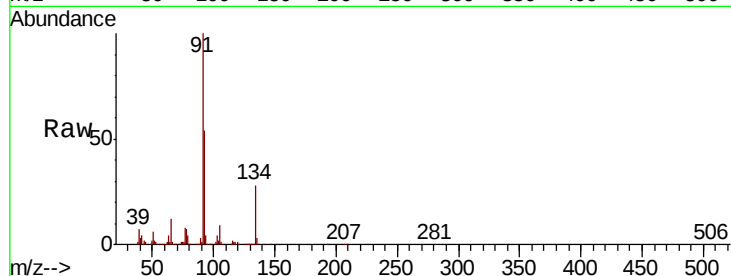
#89
n-Butylbenzene
Concen: 20.160 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.3	81.8
134	28.5	14.1	42.4

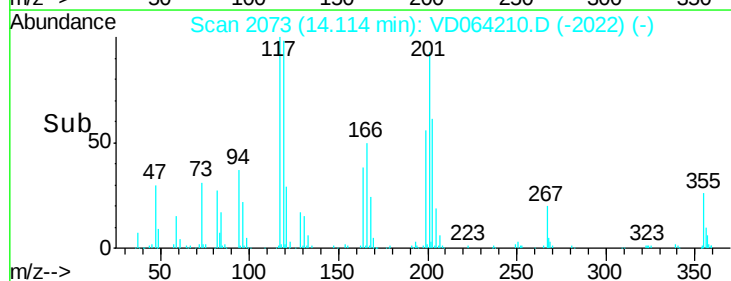
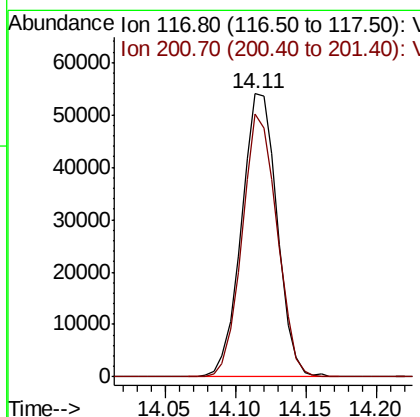
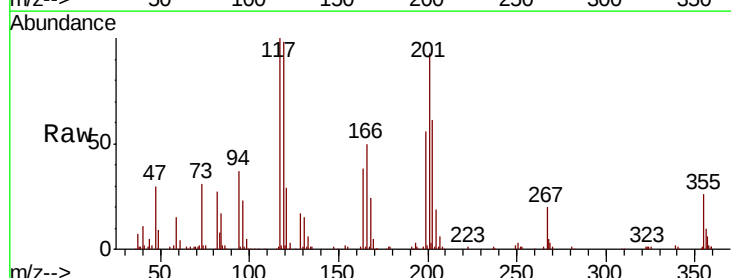
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#90
Hexachloroethane
Concen: 20.306 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.8	137.4





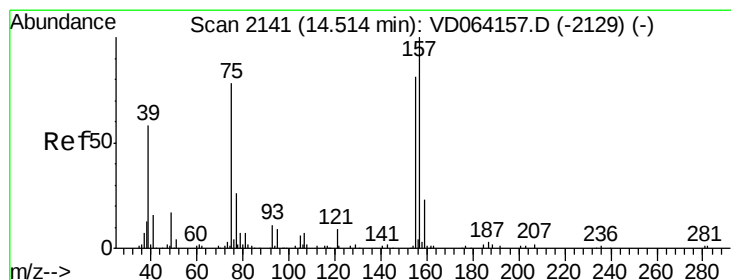
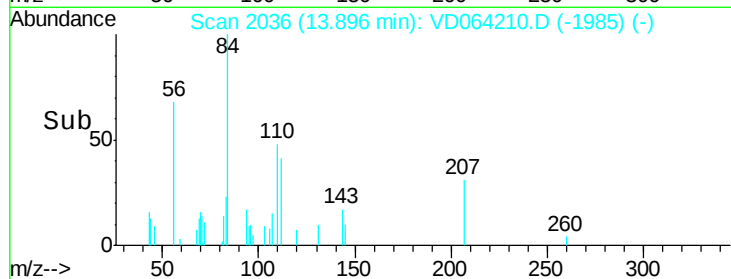
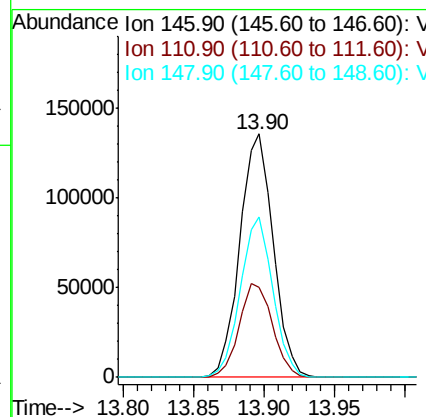
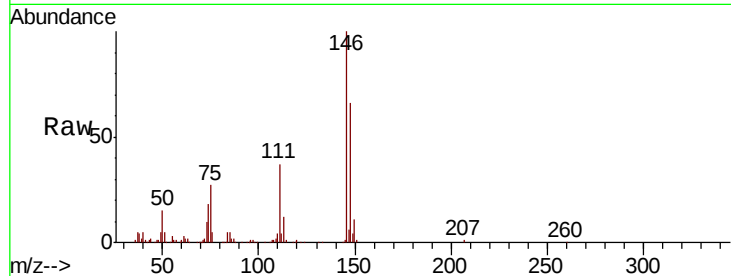
#91
 1,2-Dichlorobenzene
 Concen: 21.376 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.9	32.3	96.8

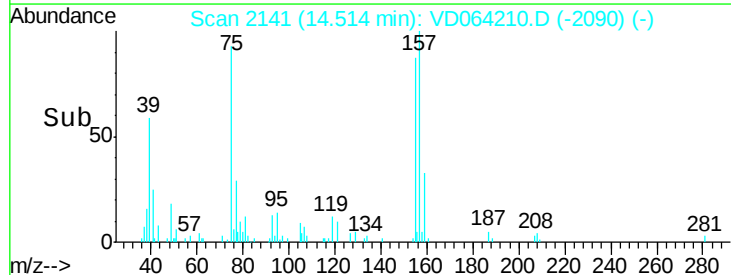
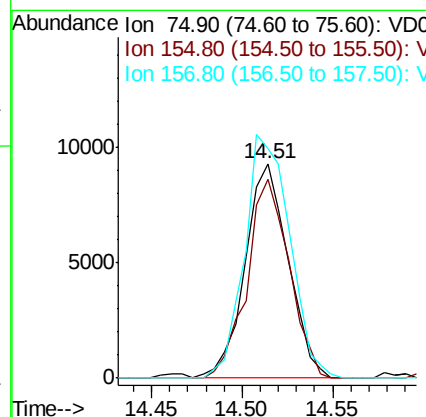
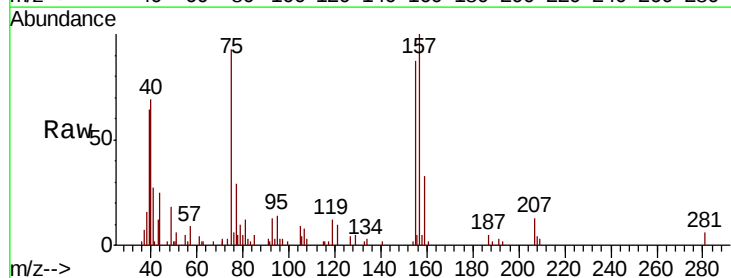
Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.628 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.0	144.0
157	119.1	61.5	184.4





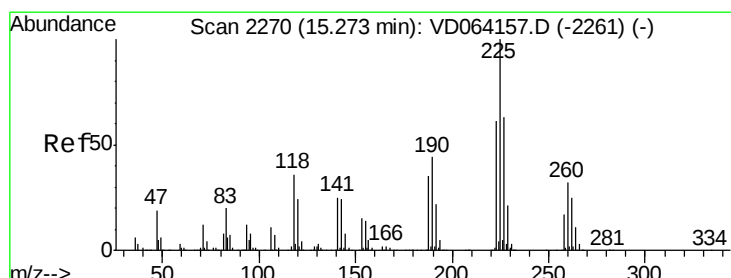
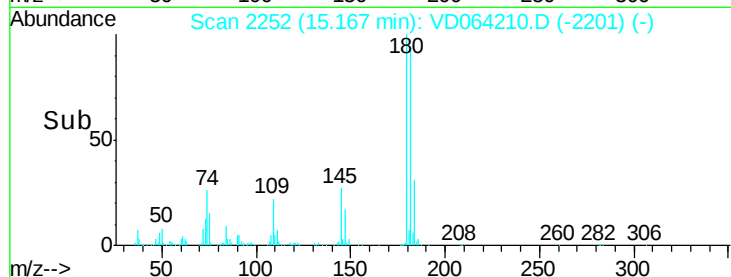
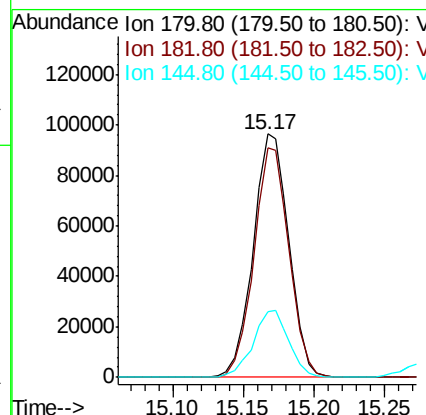
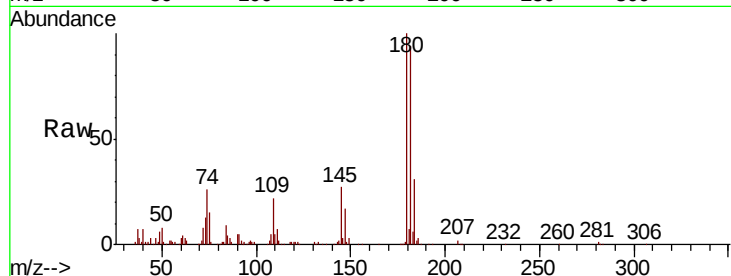
#93
 1,2,4-Trichlorobenzene
 Concen: 20.983 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.5
145	27.6	14.2	42.6

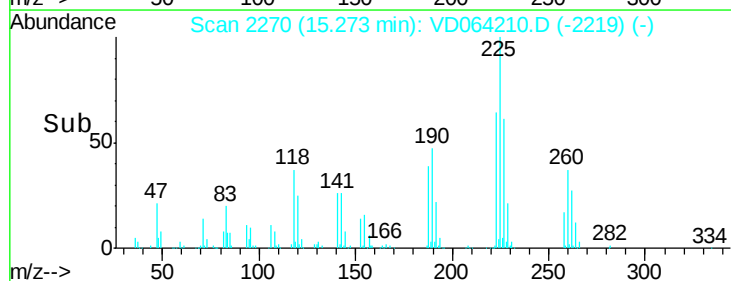
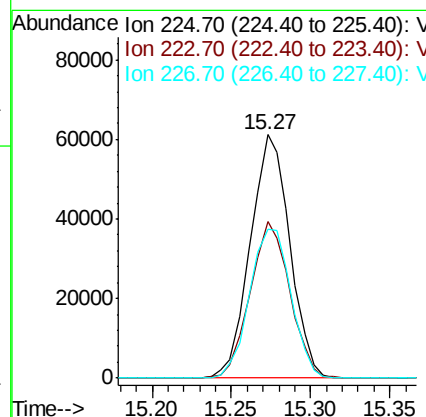
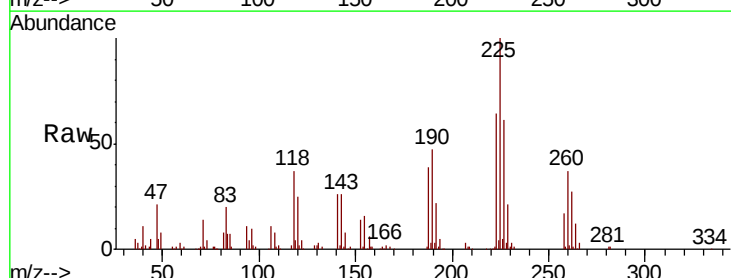
Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:07 PM



#94
 Hexachlorobutadiene
 Concen: 20.177 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.1	93.3
227	64.5	31.5	94.5





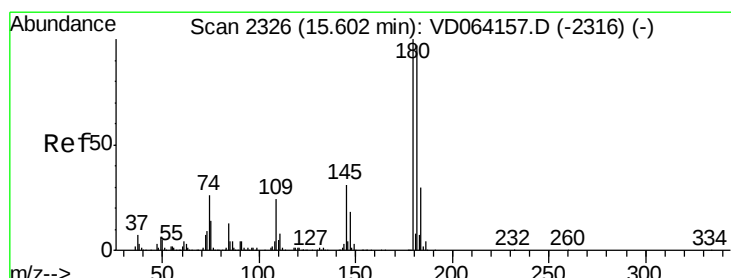
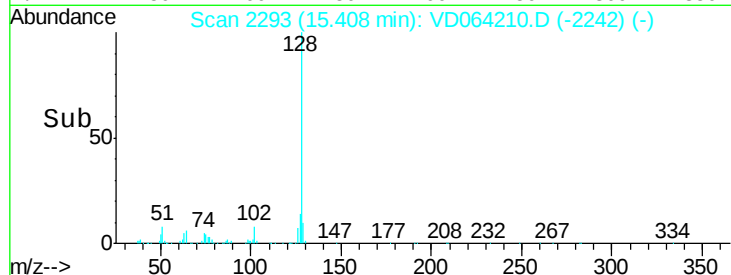
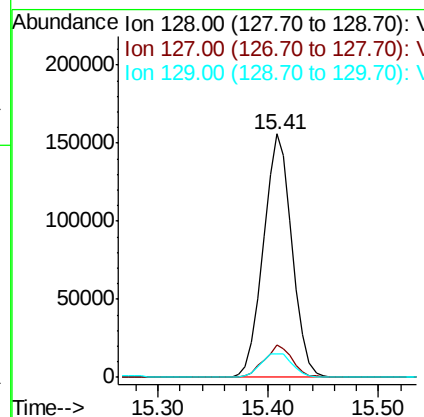
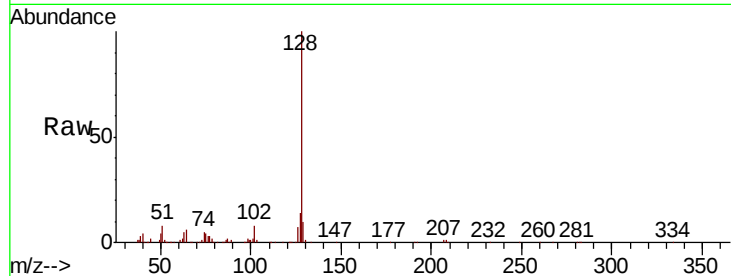
#95
Naphthalene
Concen: 21.184 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	282062		
127	13.2		10.5	15.7
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:06:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.806 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143655		
182	96.4		48.3	144.9
145	30.3		15.3	45.8

