

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064041.D
 Acq On : 24 Oct 2019 12:33
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:48:12 PM

Quant Time: Oct 25 04:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	147230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	229286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	232059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	74840	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.92	113	76632	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.34	98	319704	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	106266	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	20612	19.741	ug/l	90
3) Chloromethane	2.21	50	69427	22.179	ug/l	96
4) Vinyl Chloride	2.35	62	85468	25.327	ug/l	96
5) Bromomethane	2.76	94	53170	24.508	ug/l	92
6) Chloroethane	2.92	64	54365	24.360	ug/l	91
7) Trichlorofluoromethane	3.27	101	118794	26.625	ug/l	99
8) Diethyl Ether	3.70	74	16496	23.035	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28479	23.059	ug/l	96
10) Methyl Iodide	4.30	142	30169	17.728	ug/l	99
11) Tert butyl alcohol	5.26	59	10119	96.698	ug/l	94
12) 1,1-Dichloroethene	4.06	96	24435	19.803	ug/l	98
13) Acrolein	3.92	56	9226	72.066	ug/l #	82
14) Allyl chloride	4.70	41	44486	21.685	ug/l #	19
15) Acrylonitrile	5.43	53	35598	112.746	ug/l	99
16) Acetone	4.17	43	36516	97.848	ug/l	90
17) Carbon Disulfide	4.40	76	81876	18.254	ug/l #	95
18) Methyl Acetate	4.73	43	17930	24.564	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	61796	19.340	ug/l #	87
20) Methylene Chloride	4.96	84	42368	24.022	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	32916	21.429	ug/l	96
22) Diisopropyl ether	6.37	45	91030	21.727	ug/l	91
23) Vinyl Acetate	6.31	43	268033m	107.540	ug/l	
24) 1,1-Dichloroethane	6.27	63	58497	22.667	ug/l	95
25) 2-Butanone	7.23	43	48052	108.648	ug/l	93
26) 2,2-Dichloropropane	7.21	77	47917	20.526	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37103	21.340	ug/l	99
28) Bromochloromethane	7.56	49	18456	19.973	ug/l	95
29) Tetrahydrofuran	7.58	42	26643	103.209	ug/l	97
30) Chloroform	7.71	83	63293	22.581	ug/l	98
31) Cyclohexane	7.99	56	54472	23.407	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	56452	23.479	ug/l	95
36) 1,1-Dichloropropene	8.11	75	46957	22.399	ug/l	96
37) Ethyl Acetate	7.30	43	21481	23.434	ug/l #	91
38) Carbon Tetrachloride	8.10	117	47362	22.356	ug/l #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064041.D
 Acq On : 24 Oct 2019 12:33
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:48:12 PM

Quant Time: Oct 25 04:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	58603	22.735	ug/l	95
40) Benzene	8.35	78	139392	23.202	ug/l	95
41) Methacrylonitrile	7.54	41	10483	21.568	ug/l	94
42) 1,2-Dichloroethane	8.43	62	36618	21.071	ug/l	99
43) Isopropyl Acetate	8.46	43	36038	20.498	ug/l #	83
44) Trichloroethene	9.12	130	38859	22.431	ug/l	97
45) 1,2-Dichloropropane	9.40	63	34334	23.349	ug/l #	84
46) Dibromomethane	9.48	93	19235	22.968	ug/l	99
47) Bromodichloromethane	9.67	83	45865	21.272	ug/l #	95
48) Methyl methacrylate	9.46	41	16772	19.910	ug/l	97
49) 1,4-Dioxane	9.47	88	4906	429.176	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	100336	110.041	ug/l	98
52) Toluene	10.41	92	91952	22.296	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	45852	21.793	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	52054	21.493	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	26945	22.787	ug/l	92
56) Ethyl methacrylate	10.67	69	30109	20.107	ug/l	92
57) 1,3-Dichloropropane	10.96	76	45123	22.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	65949	102.462	ug/l	98
59) 2-Hexanone	10.99	43	71721	108.738	ug/l	100
60) Dibromochloromethane	11.14	129	34502	22.412	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27122	23.660	ug/l	97
64) Tetrachloroethene	10.88	164	35130	22.175	ug/l	93
65) Chlorobenzene	11.67	112	106059	22.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	38169	22.227	ug/l	97
67) Ethyl Benzene	11.75	91	186727	22.220	ug/l	100
68) m/p-Xylenes	11.86	106	153709	47.389	ug/l	95
69) o-Xylene	12.18	106	68527	22.064	ug/l	99
70) Styrene	12.20	104	118337	22.507	ug/l	99
71) Bromoform	12.36	173	20885	22.662	ug/l #	97
73) Isopropylbenzene	12.48	105	186565	21.661	ug/l	99
74) N-amyl acetate	12.29	43	36756	19.821	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	31427	20.968	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	17379m	20.252	ug/l	
77) Bromobenzene	12.77	156	46926	21.868	ug/l	98
78) n-propylbenzene	12.83	91	233215	23.068	ug/l	97
79) 2-Chlorotoluene	12.91	91	120161	21.555	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	159412	22.185	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9177	18.925	ug/l	95
82) 4-Chlorotoluene	13.01	91	125291	21.187	ug/l	95
83) tert-Butylbenzene	13.23	119	136888	21.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	158997	21.463	ug/l	99
85) sec-Butylbenzene	13.40	105	194681	22.542	ug/l	99
86) p-Isopropyltoluene	13.52	119	180445	22.080	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93117	21.962	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	94029	22.479	ug/l	99
89) n-Butylbenzene	13.84	91	168425	22.141	ug/l	98
90) Hexachloroethane	14.11	117	32115	21.850	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	82039	22.452	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5168	20.755	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
Data File : VD064041.D
Acq On : 24 Oct 2019 12:33
Operator : VA/SY
Sample : VD1024SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

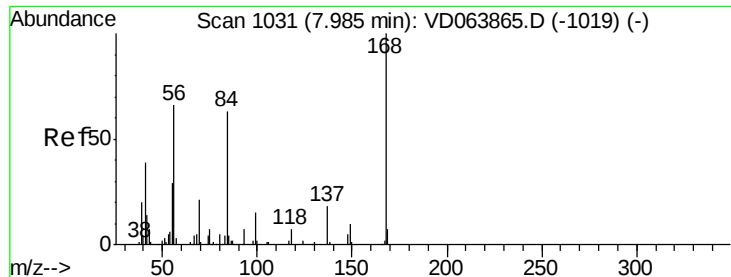
Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM

Quant Time: Oct 25 04:33:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57239	20.302	ug/l	99
94) Hexachlorobutadiene	15.27	225	34003	21.855	ug/l	97
95) Naphthalene	15.41	128	95681	20.191	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	51036	20.980	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:168 Resp: 147230

Ion Ratio Lower Upper

168 100

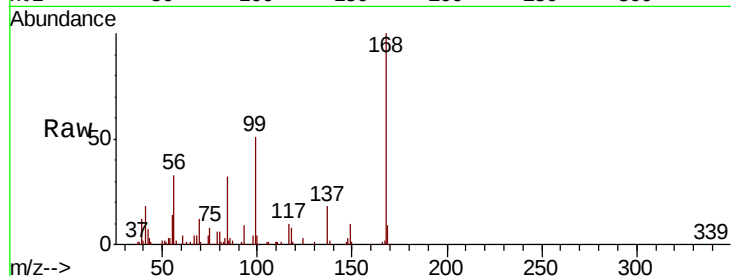
99 51.0 43.0 64.4

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

60000

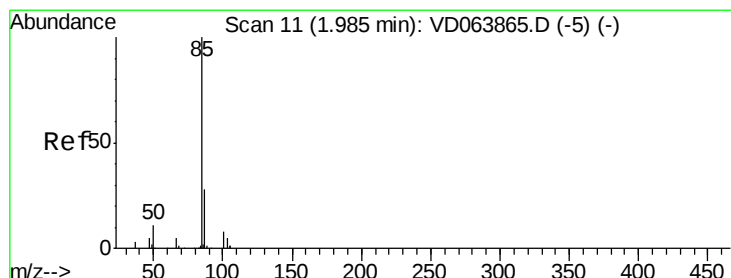
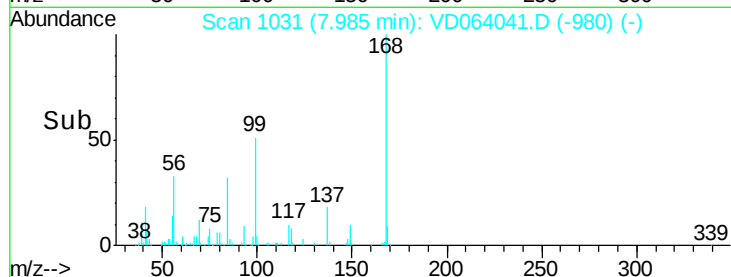
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.741 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064041.D

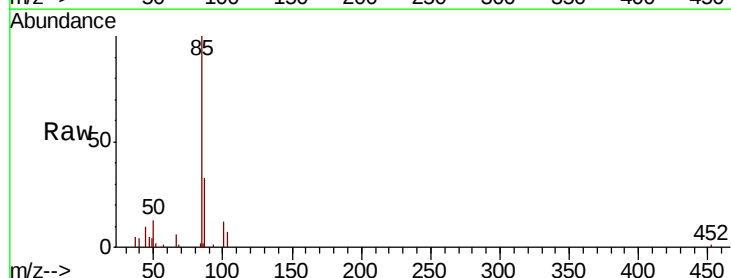
Acq: 24 Oct 2019 12:33

Tgt Ion: 85 Resp: 20612

Ion Ratio Lower Upper

85 100

87 33.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

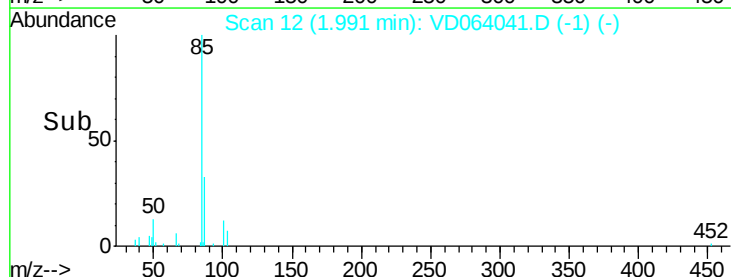
10000

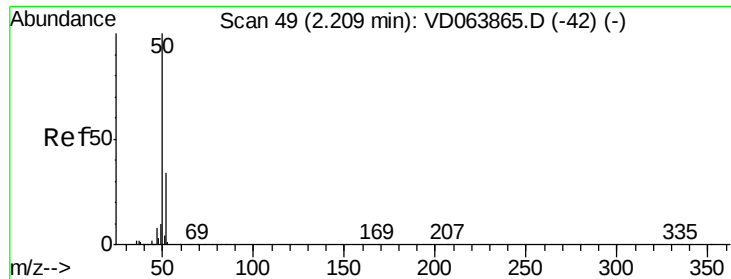
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.179 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBSD01

Tot Ion: 50 Resp: 69427

Ion Ratio Lower Upper

50 100

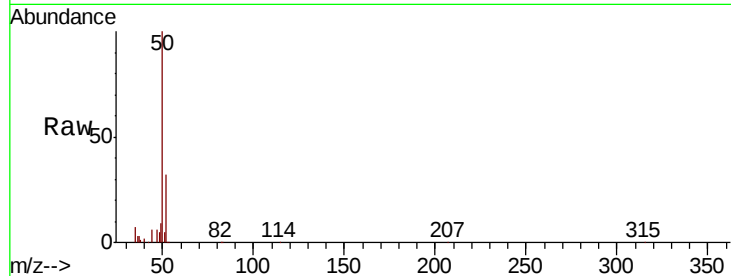
52 31.9 27.5 41.3

Manual Integrations

APPROVED

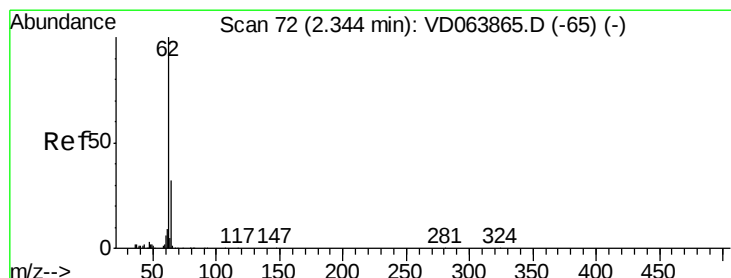
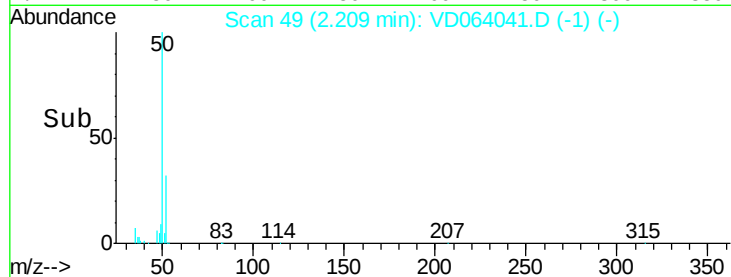
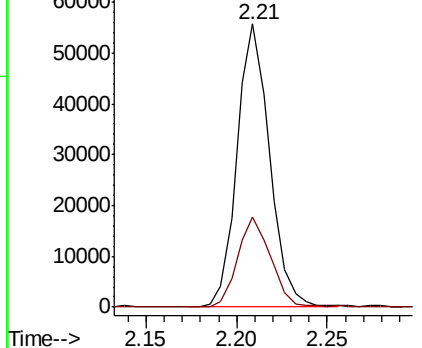
MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.327 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064041.D

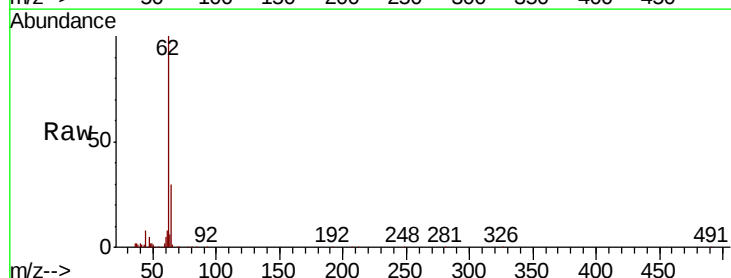
Acq: 24 Oct 2019 12:33

Tgt Ion: 62 Resp: 85468

Ion Ratio Lower Upper

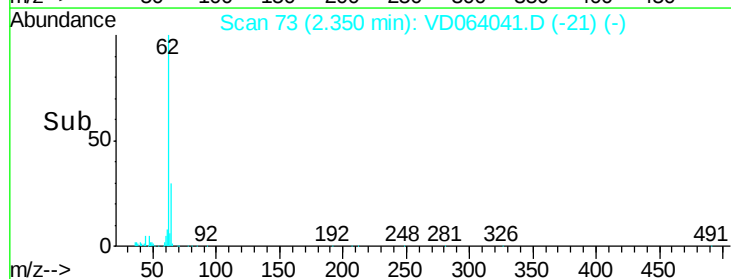
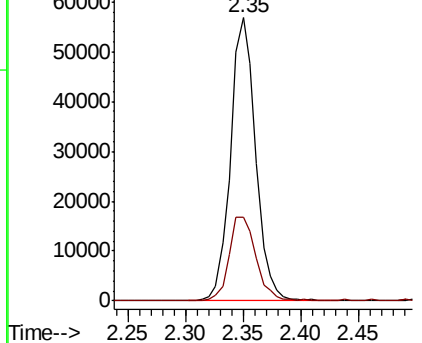
62 100

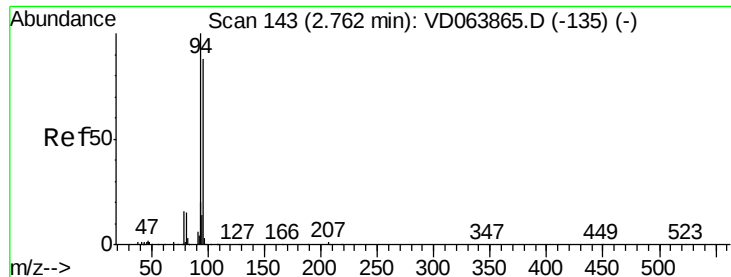
64 29.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.508 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 94 Resp: 53170

Ion Ratio Lower Upper

94 100

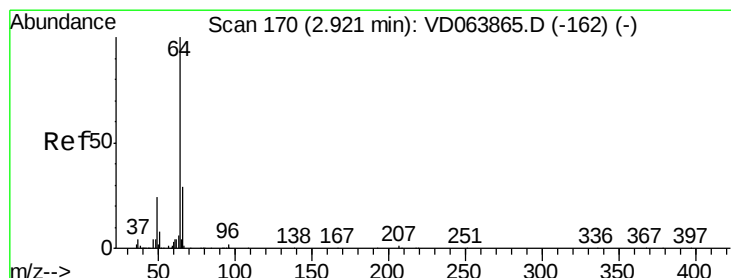
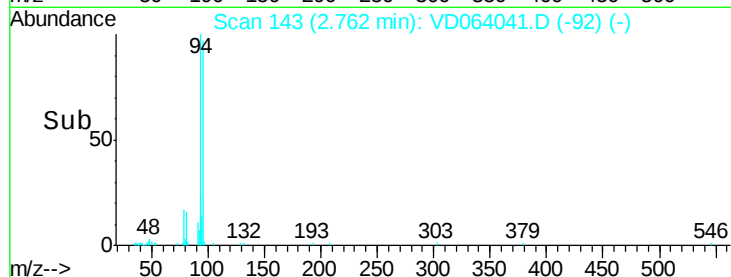
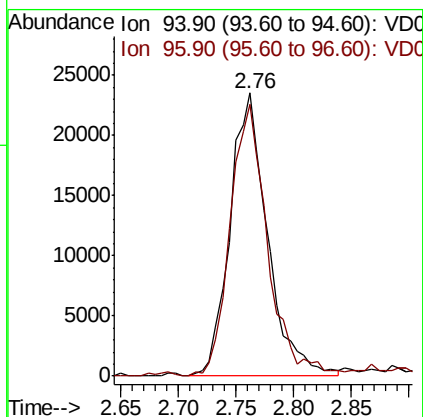
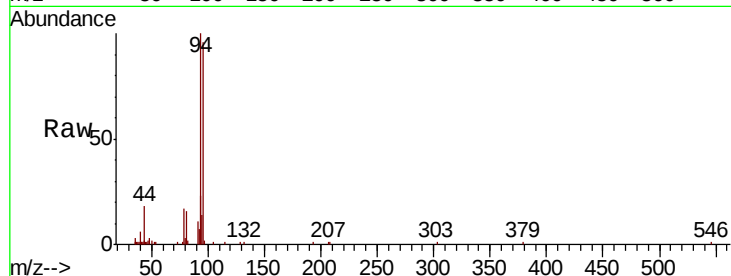
96 96.2 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM



#6

Chloroethane

Concen: 24.360 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064041.D

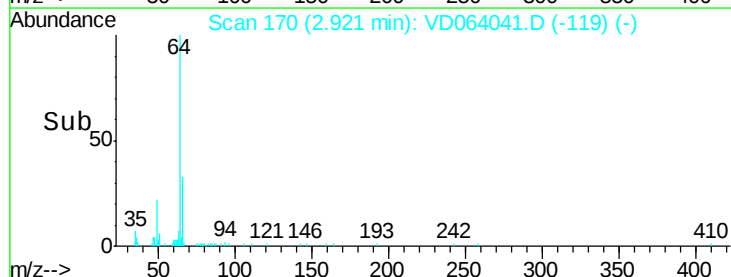
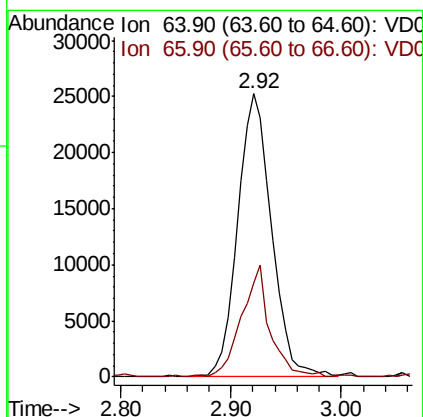
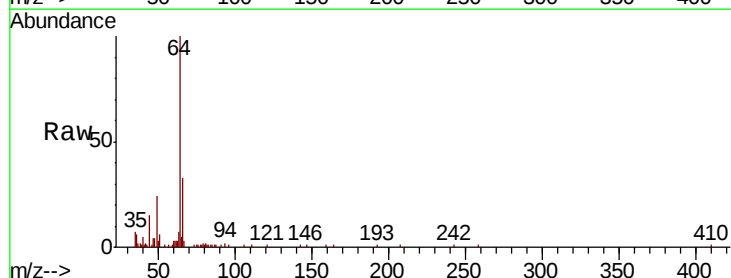
Acq: 24 Oct 2019 12:33

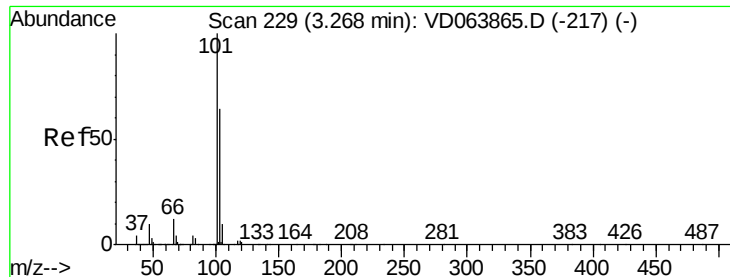
Tgt Ion: 64 Resp: 54365

Ion Ratio Lower Upper

64 100

66 33.3 23.0 34.4





#7

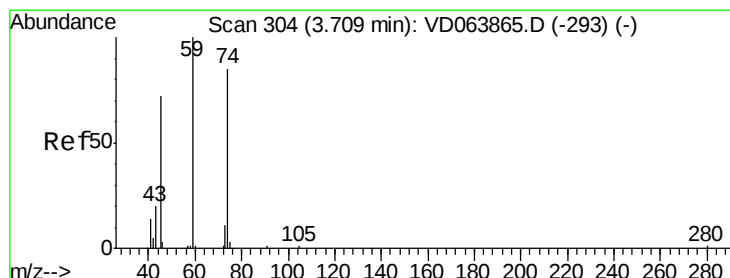
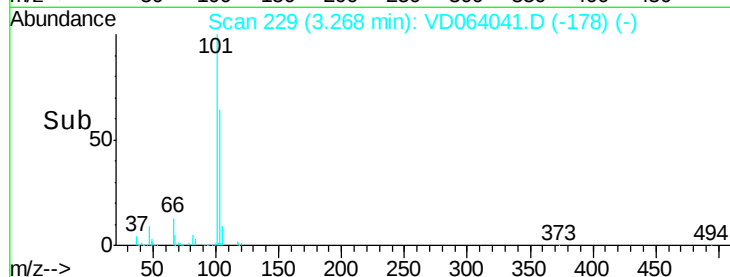
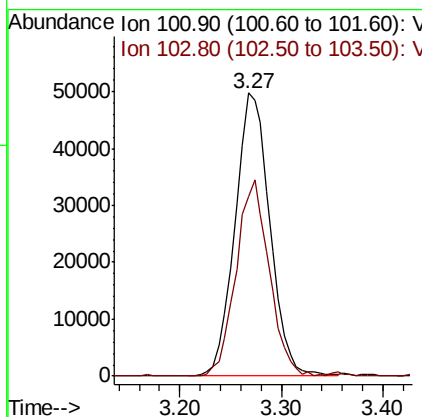
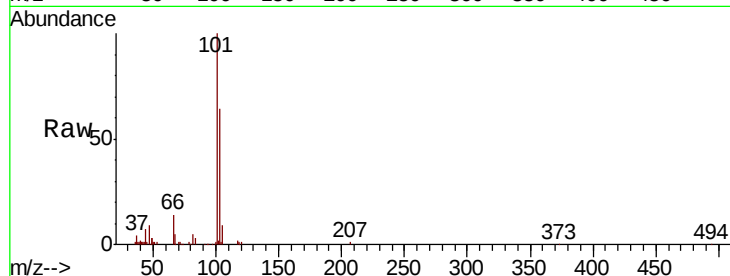
Trichlorofluoromethane
Concen: 26.625 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.1	76.7

Manual Integrations
APPROVED

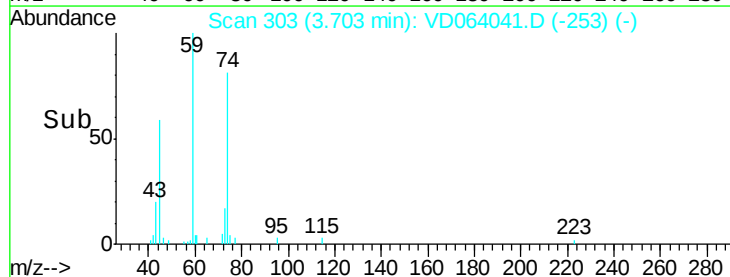
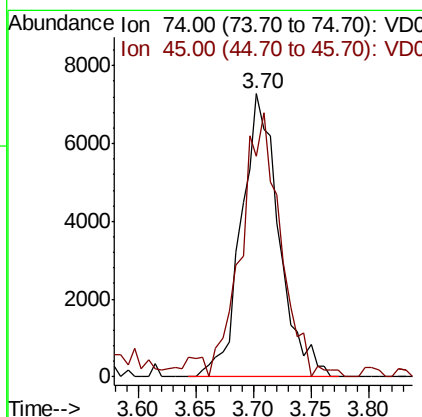
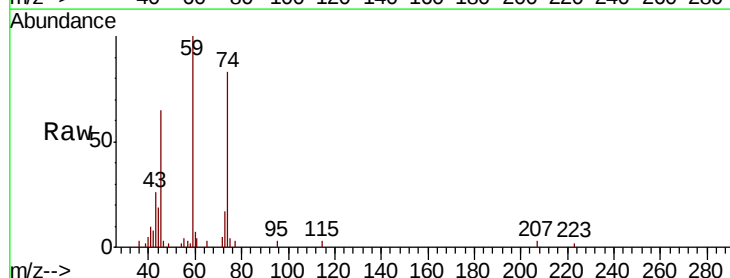
MMDadoda
10/25/2019 4:48:12 PM

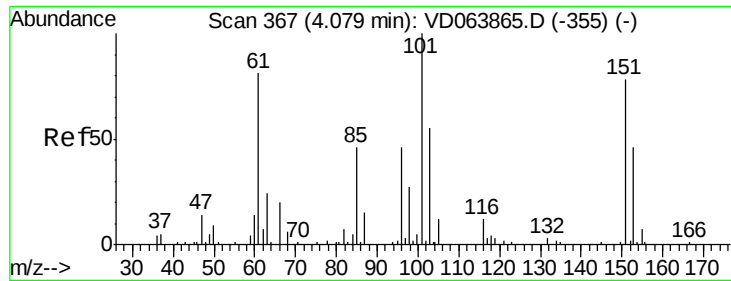


#8

Diethyl Ether
Concen: 23.035 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.059 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

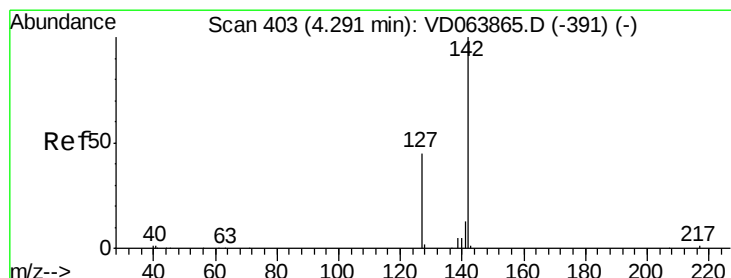
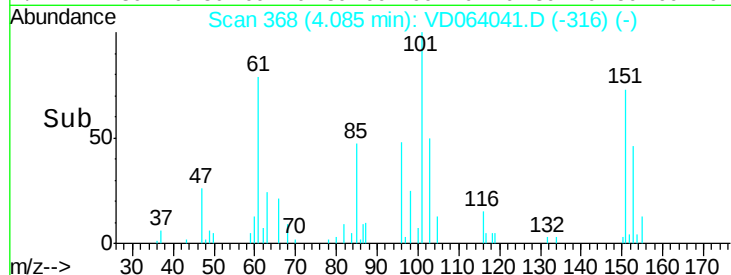
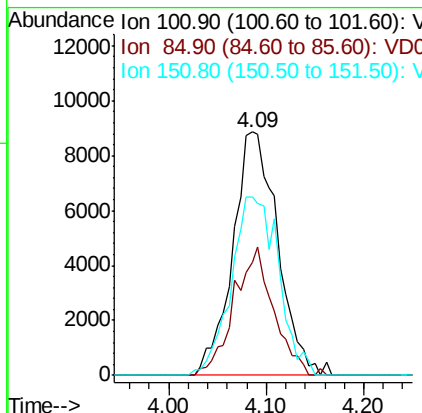
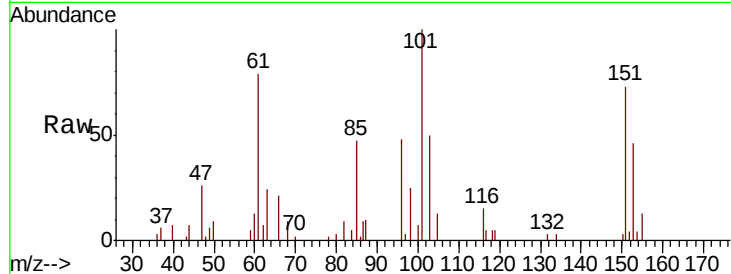
ClientSampleId :

VD1024SBS01

Tot Ion:	101	Resp:	28479
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.5	56.3
151	77.4	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#10

Methyl Iodide

Concen: 17.728 ug/l

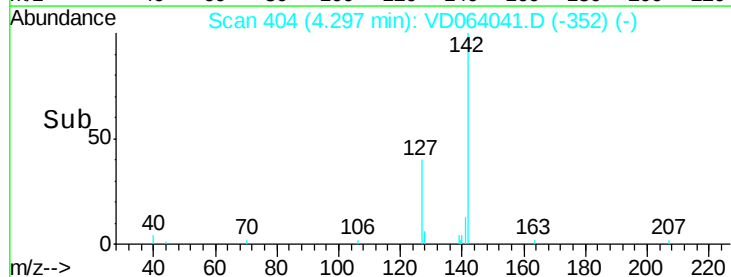
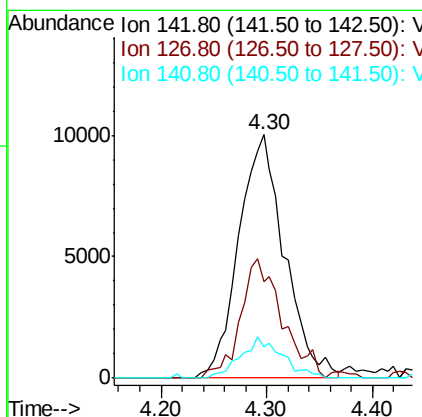
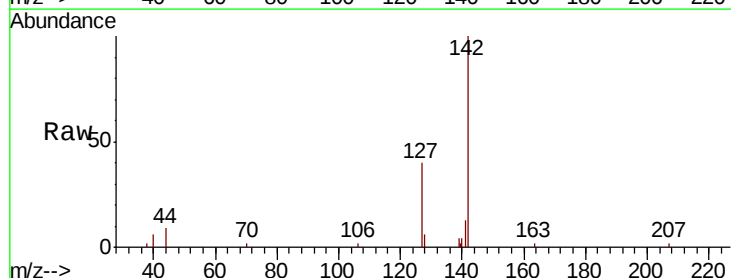
RT: 4.30 min Scan# 404

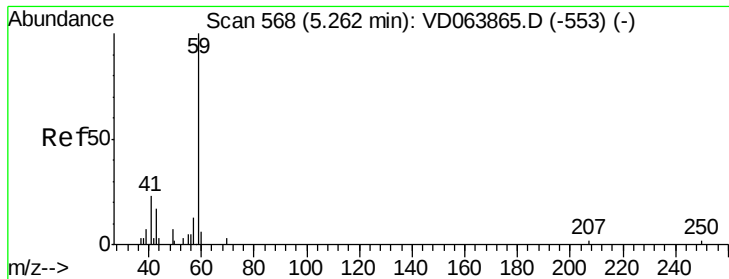
Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion:	142	Resp:	30169
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.3	52.9
141	15.3	12.2	18.2





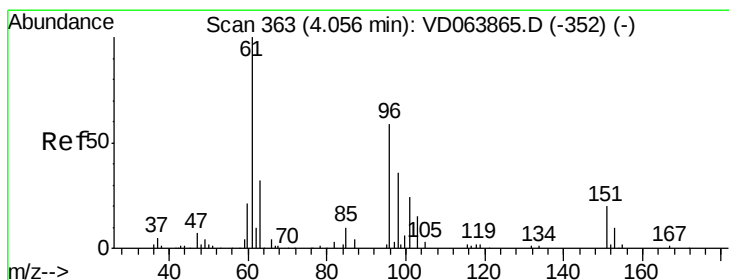
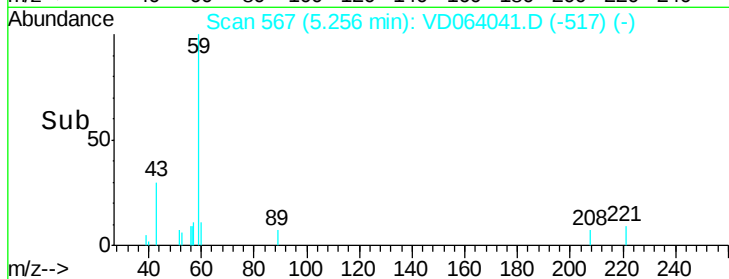
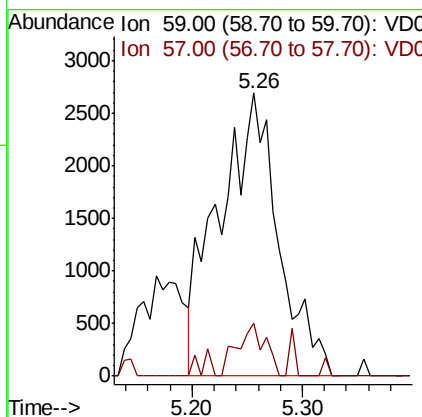
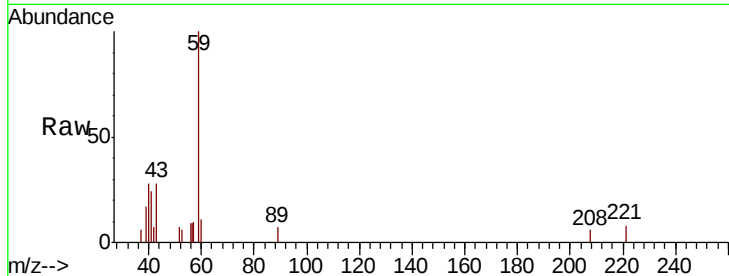
#11
Tert butyl alcohol
Concen: 96.698 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.8	13.2

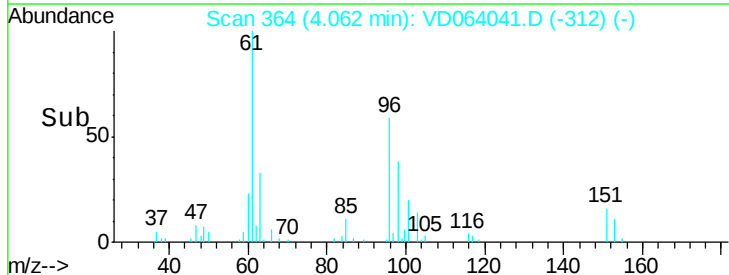
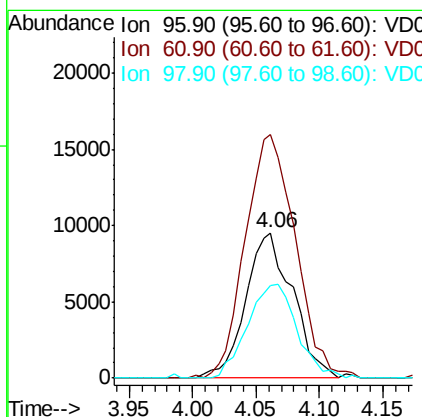
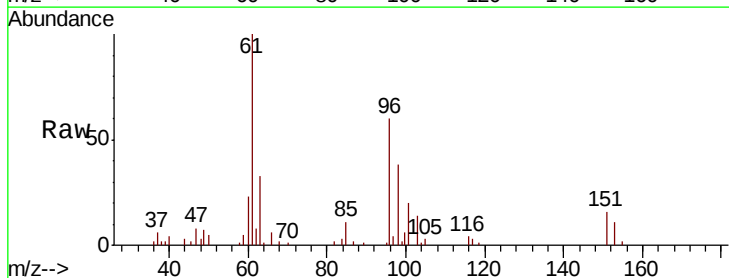
Manual Integrations
APPROVED

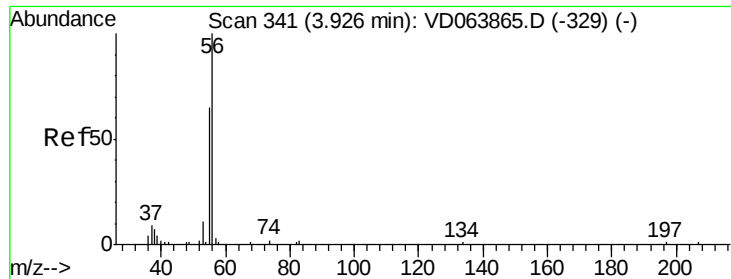
MMDadoda
10/25/2019 4:48:12 PM



#12
1,1-Dichloroethene
Concen: 19.803 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	135.6	203.4
98	63.2	49.2	73.8





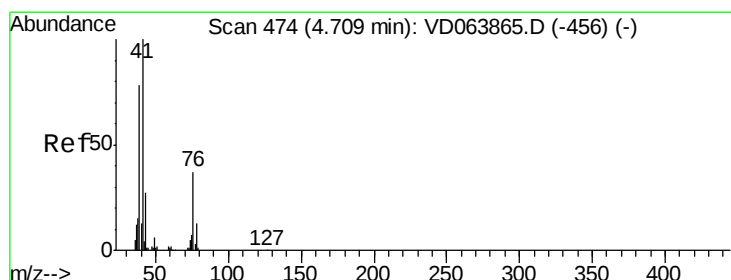
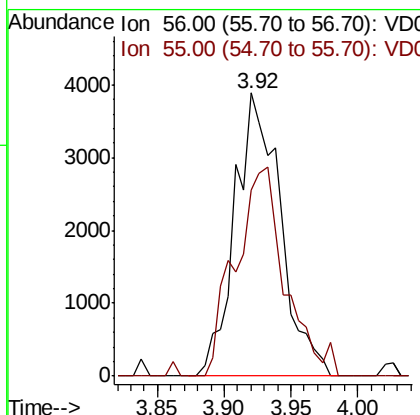
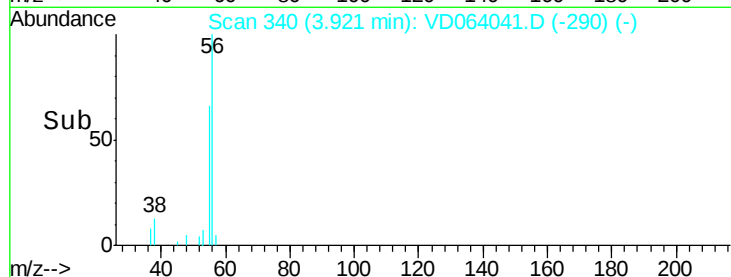
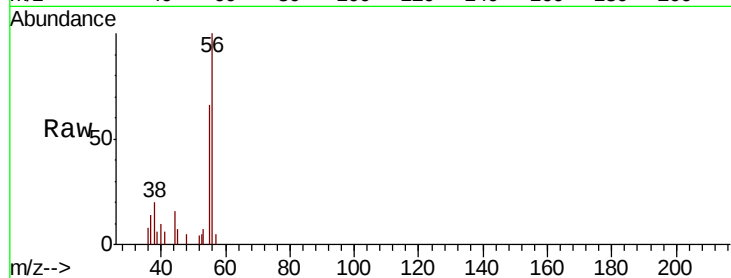
#13
 Acrolein
 Concen: 72.066 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	80.5	53.0	79.6#

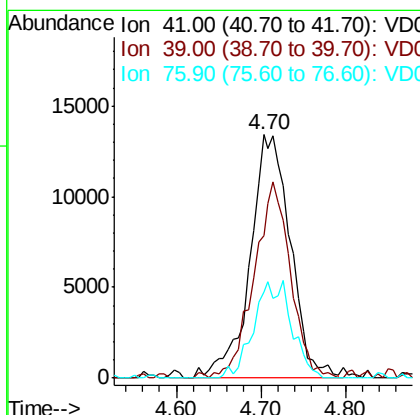
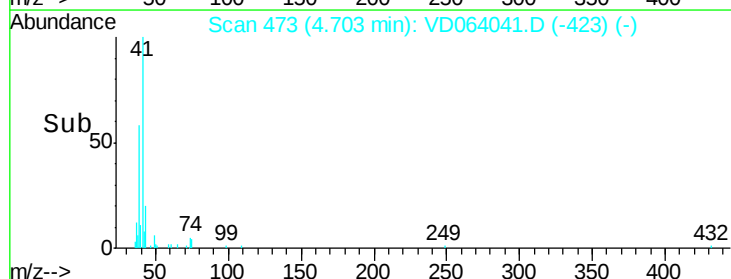
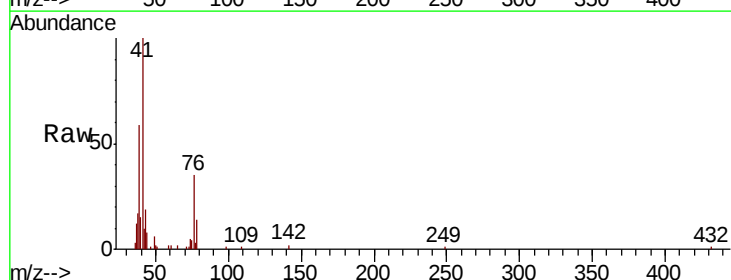
Manual Integrations
 APPROVED

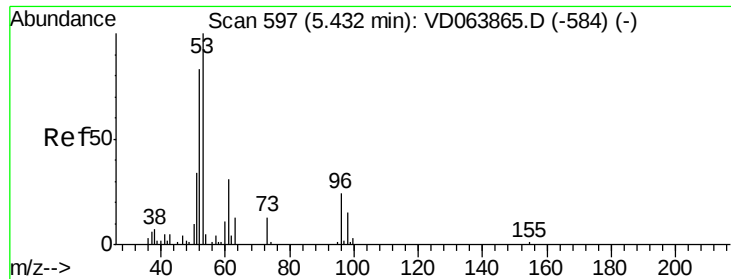
MMDadoda
 10/25/2019 4:48:12 PM



#14
 Allyl chloride
 Concen: 21.685 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	61.8	92.6#
76	0.0	31.3	46.9#





#15

Acrylonitrile

Concen: 112.746 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

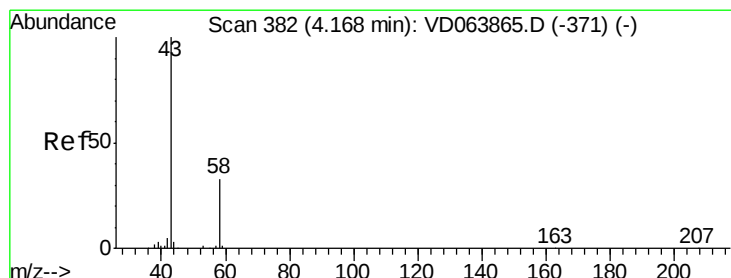
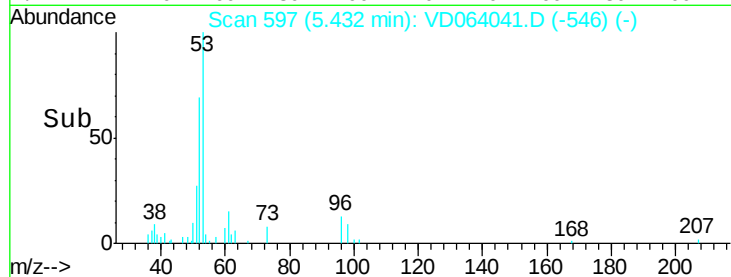
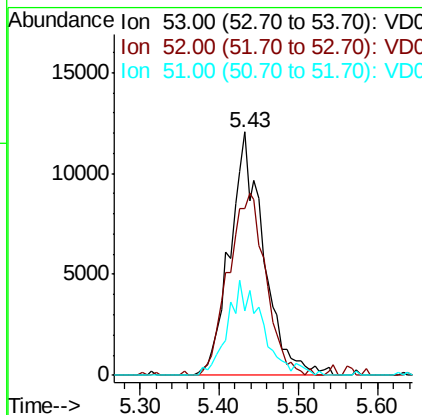
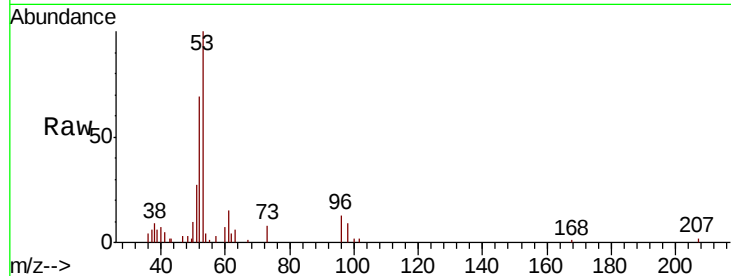
ClientSampleId :

VD1024SBS01

Tot Ion:	53	Resp:	35598
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.3	100.9
51	37.9	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#16

Acetone

Concen: 97.848 ug/l

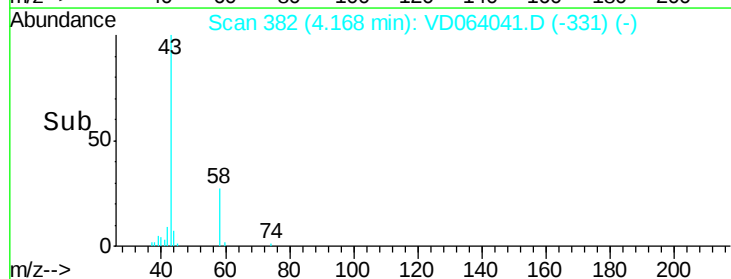
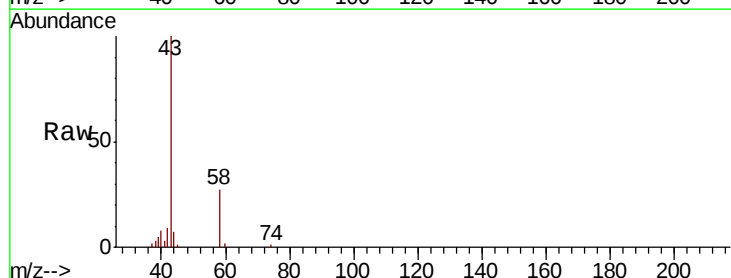
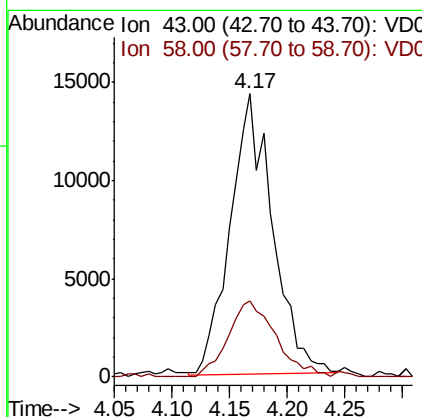
RT: 4.17 min Scan# 382

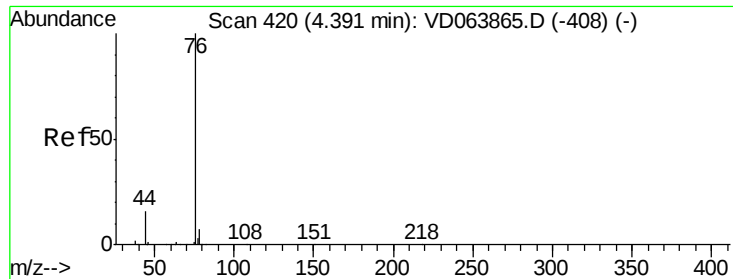
Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion:	43	Resp:	36516
Ion	Ratio	Lower	Upper
43	100		
58	27.3	26.2	39.4





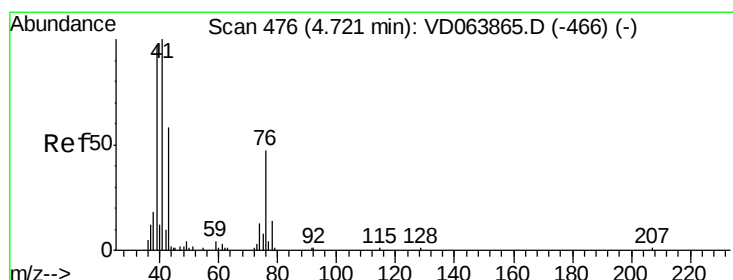
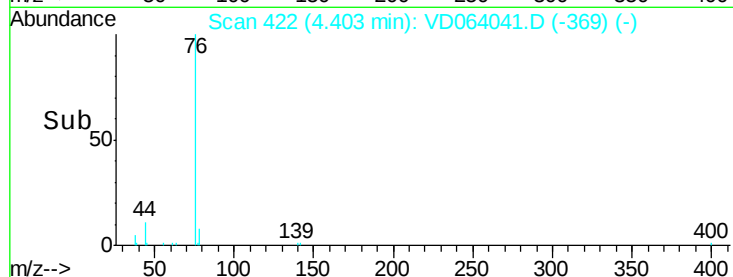
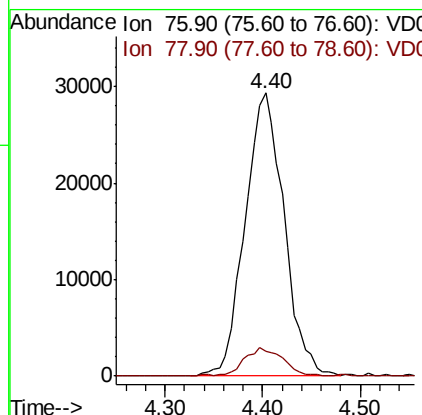
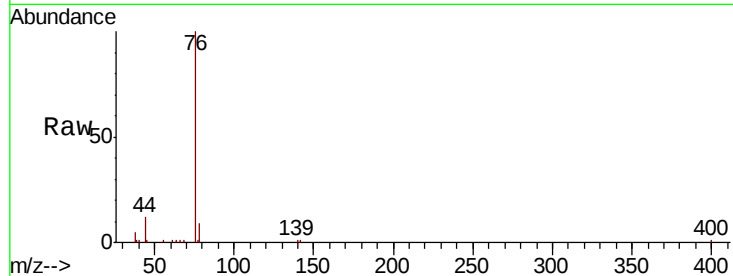
#17
Carbon Disulfide
Concen: 18.254 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion: 76 Resp: 81876
Ion Ratio Lower Upper
76 100
78 8.9 5.8 8.8#

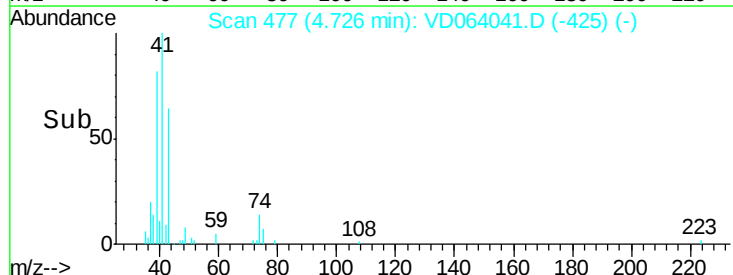
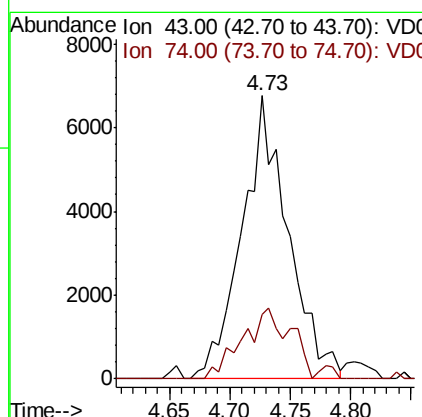
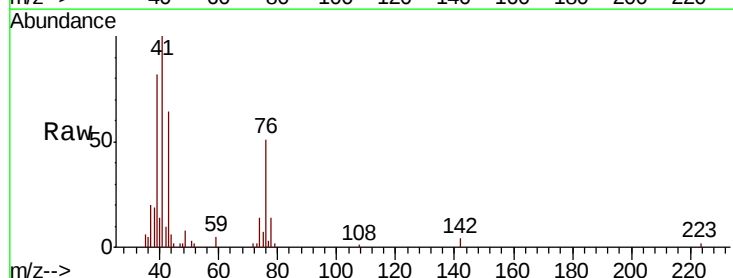
Manual Integrations
APPROVED

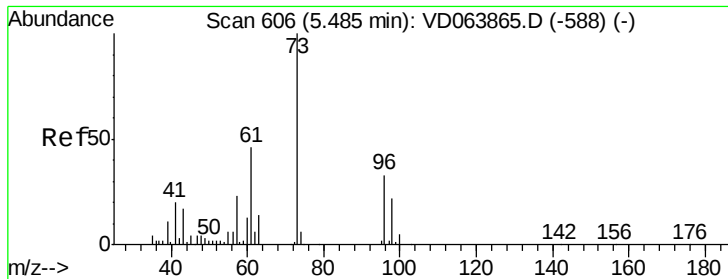
MMDadoda
10/25/2019 4:48:12 PM



#18
Methyl Acetate
Concen: 24.564 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 43 Resp: 17930
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#





#19

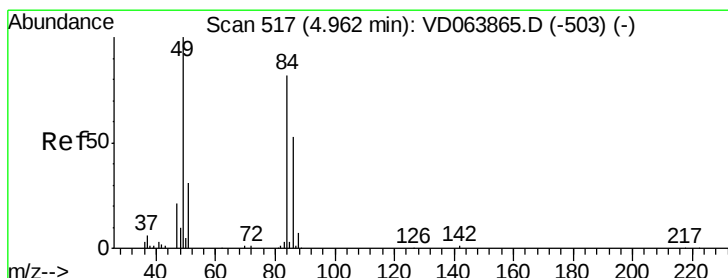
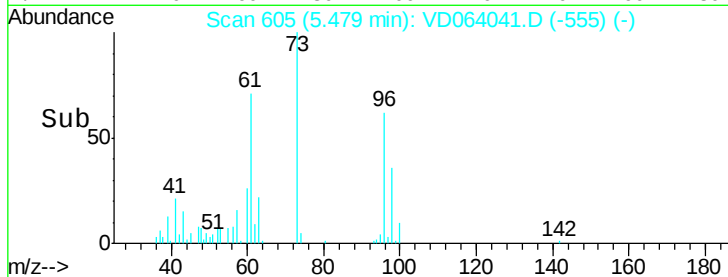
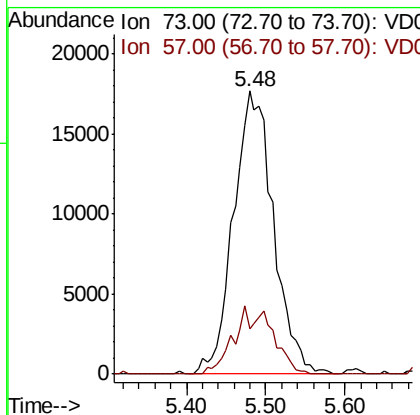
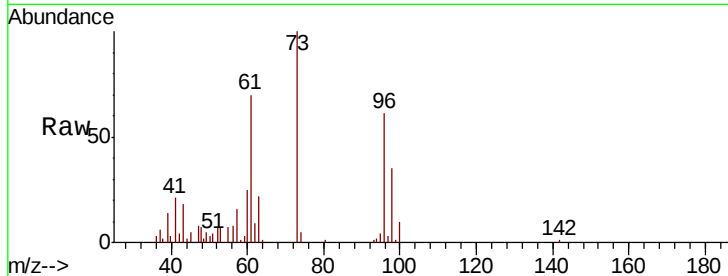
Methyl tert-butyl Ether
 Concen: 19.340 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1024SBS01

Tot Ion: 73 Resp: 61796
 Ion Ratio Lower Upper
 73 100
 57 16.1 18.1 27.1#

Manual Integrations
 APPROVED

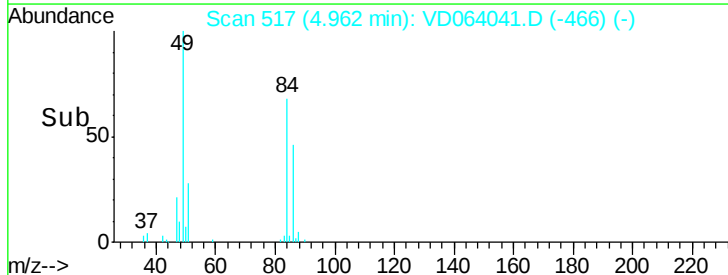
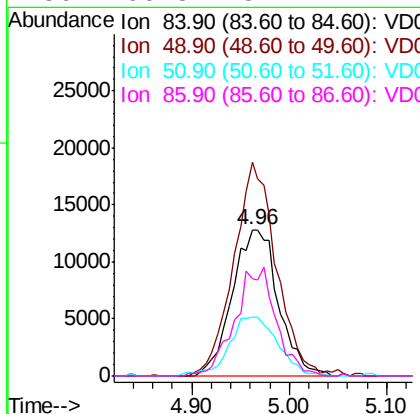
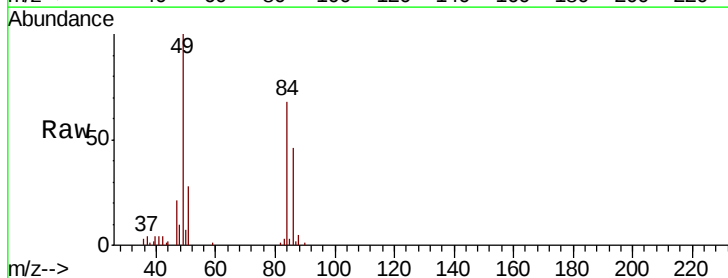
MMDadoda
 10/25/2019 4:48:12 PM

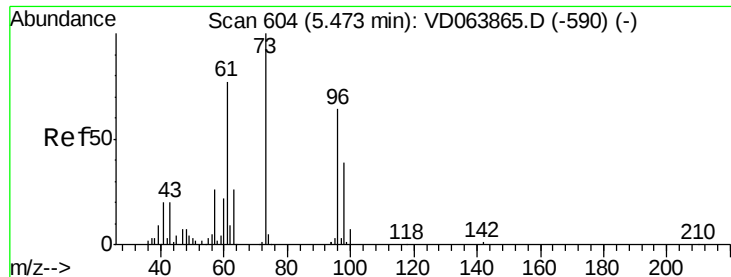


#20

Methylene Chloride
 Concen: 24.022 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 84 Resp: 42368
 Ion Ratio Lower Upper
 84 100
 49 146.3 97.3 145.9#
 51 40.7 30.1 45.1
 86 66.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.429 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

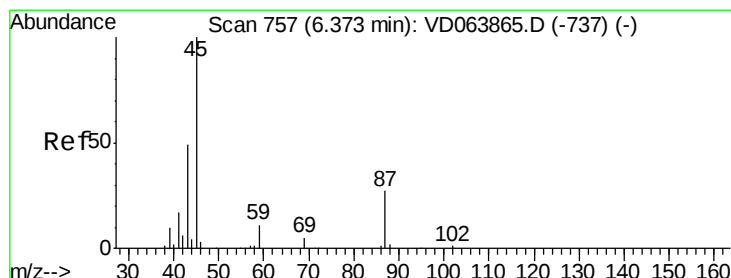
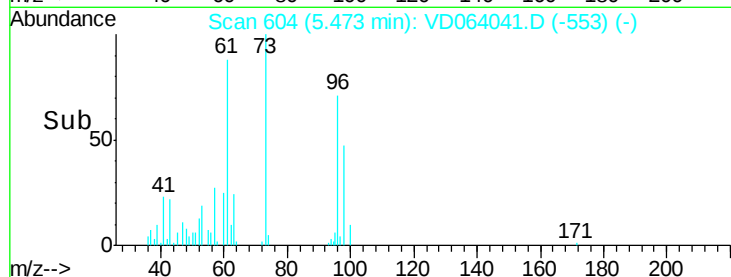
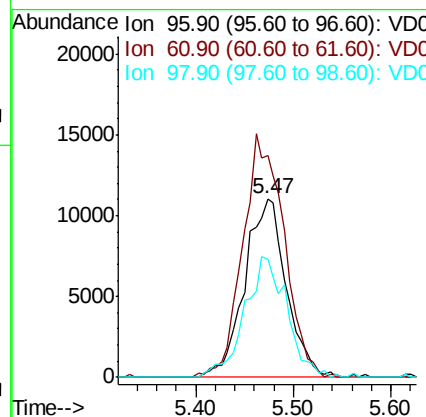
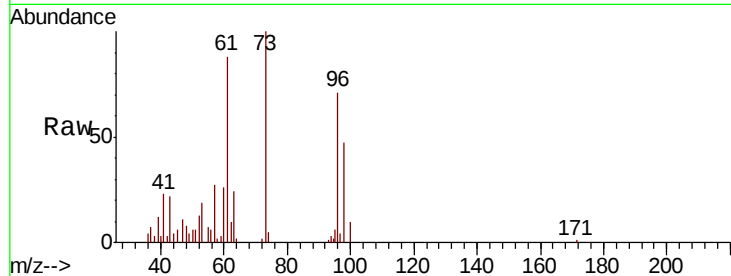
ClientSampleId :

VD1024SBS01

Tot Ion:	96	Resp:	32916
Ion	Ratio	Lower	Upper
96	100		
61	123.7	96.6	145.0
98	66.3	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#22

Diisopropyl ether

Concen: 21.727 ug/l

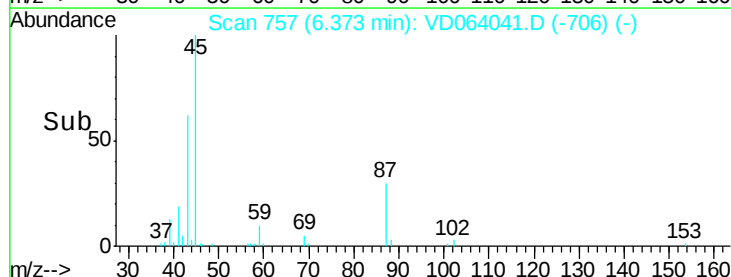
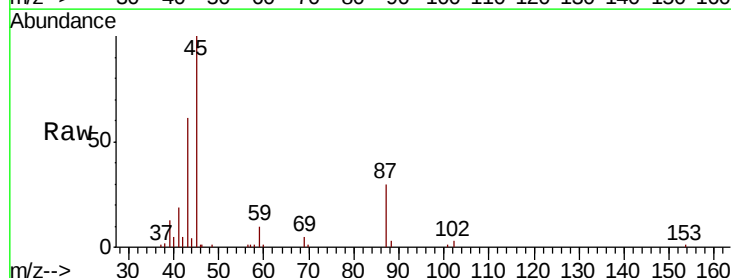
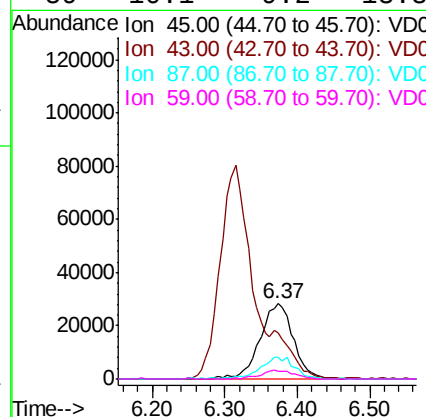
RT: 6.37 min Scan# 757

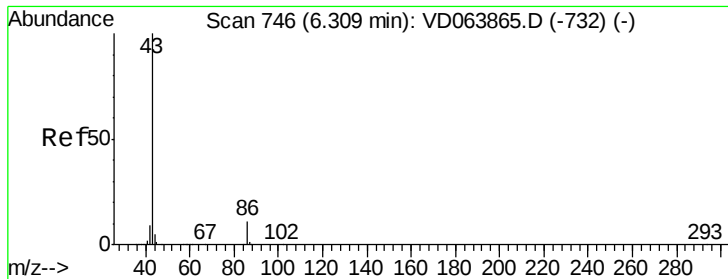
Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion:	45	Resp:	91030
Ion	Ratio	Lower	Upper
45	100		
43	61.3	41.2	61.8
87	28.6	22.2	33.4
59	10.1	9.2	13.8





#23

Vinyl Acetate

Concen: 107.540 ug/l m

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tot Ion: 43 Resp: 268033

Ion Ratio Lower Upper

43 100

86 10.9 8.8 13.2

Instrument :

MSVOA_D

ClientSampleId :

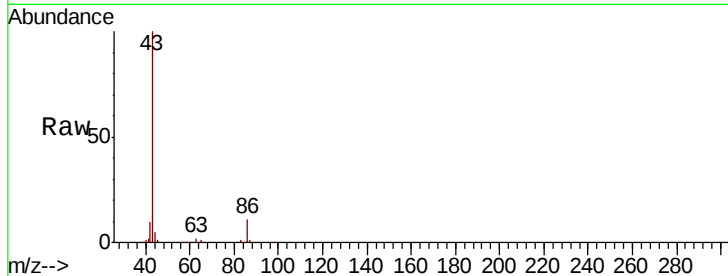
VD1024SBS01

Manual Integrations

APPROVED

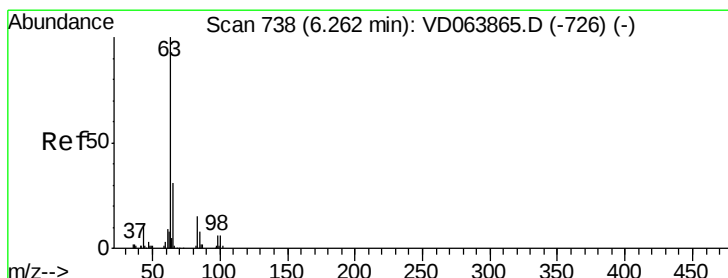
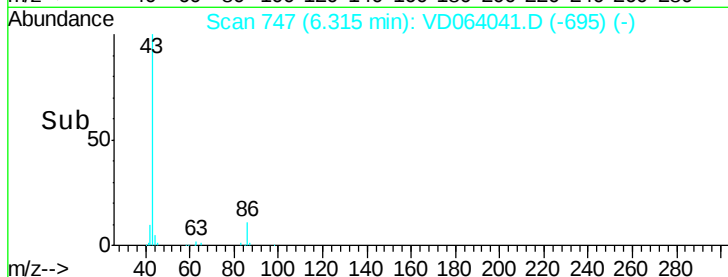
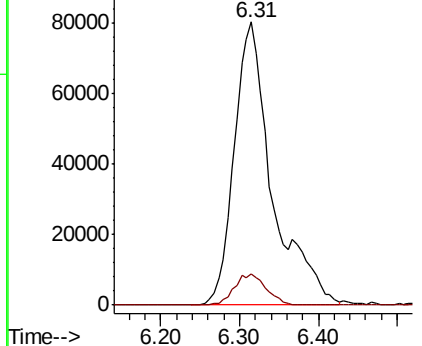
MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.667 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

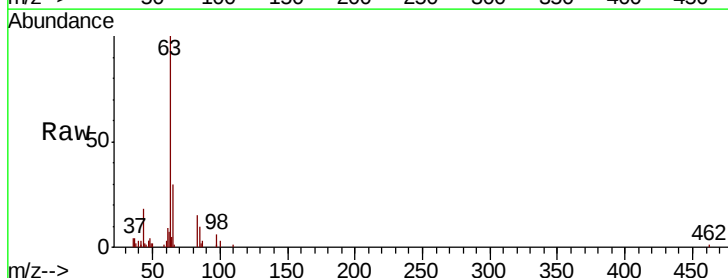
Tgt Ion: 63 Resp: 58497

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.4

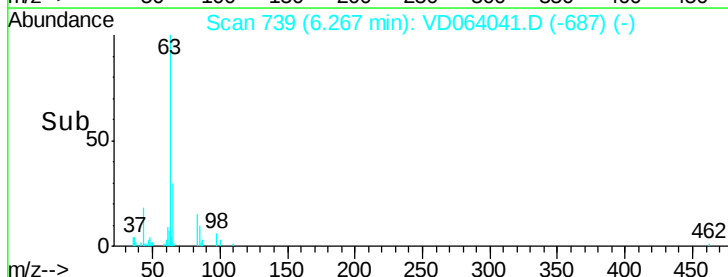
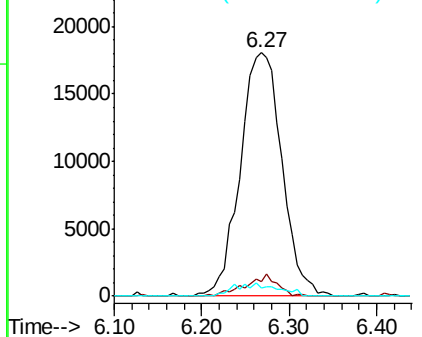
100 3.2 3.0 9.2

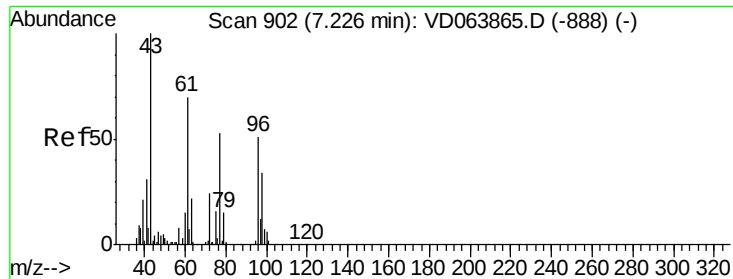


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 108.648 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBSD01

Tot Ion: 43 Resp: 48052

Ion Ratio Lower Upper

43 100

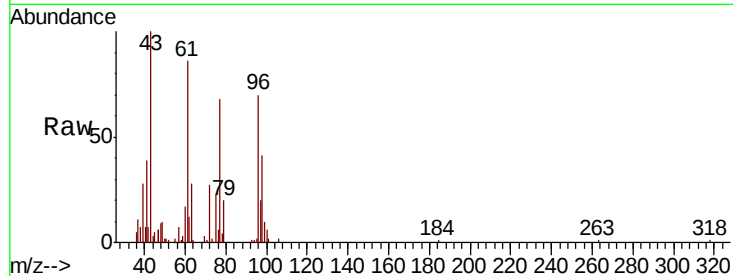
72 27.4 19.2 28.8

Manual Integrations

APPROVED

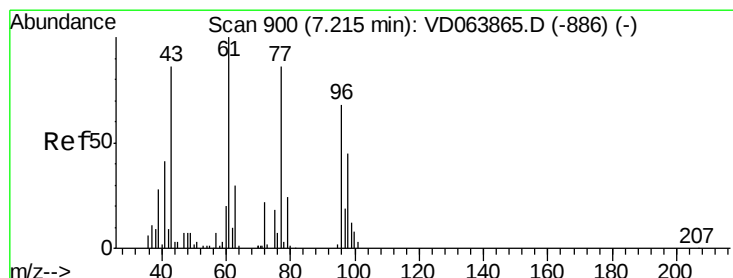
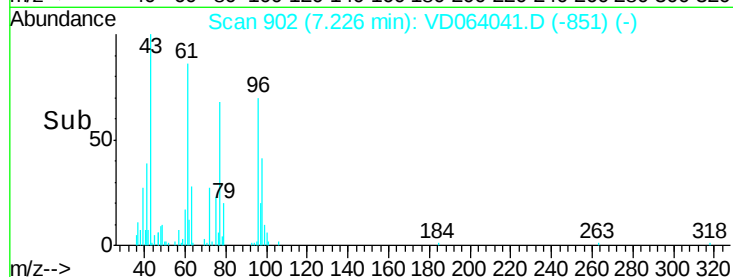
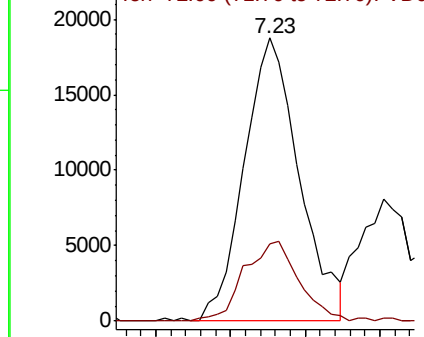
MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.526 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064041.D

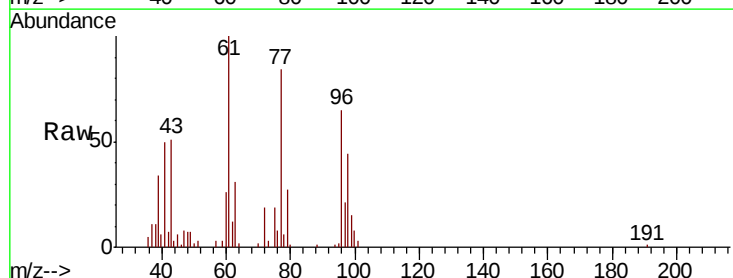
Acq: 24 Oct 2019 12:33

Tgt Ion: 77 Resp: 47917

Ion Ratio Lower Upper

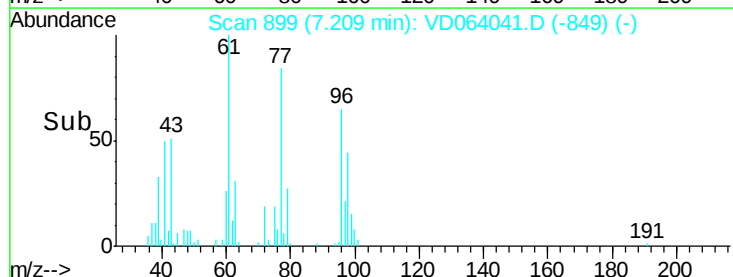
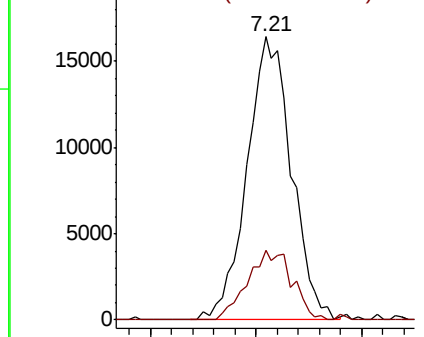
77 100

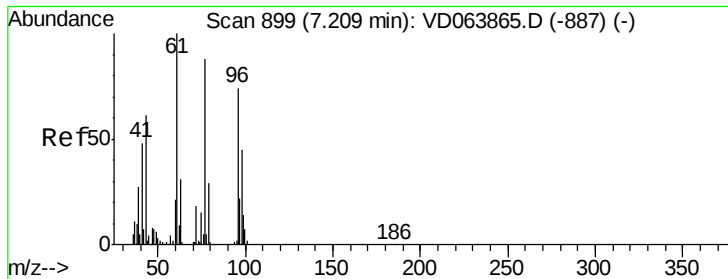
97 24.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





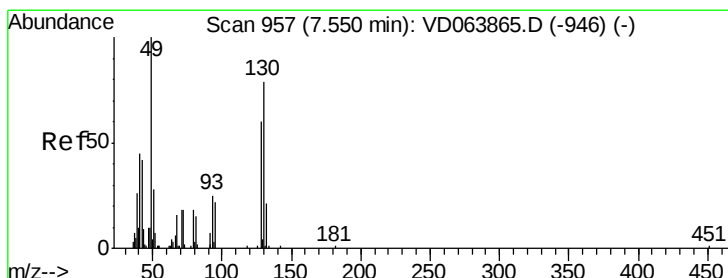
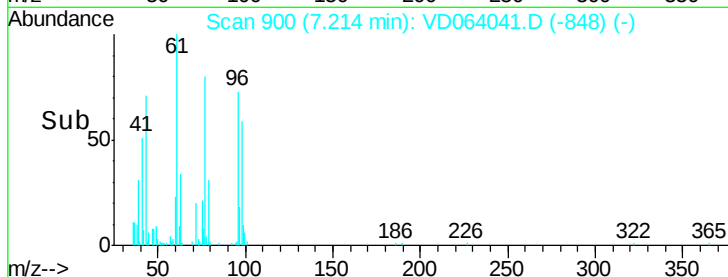
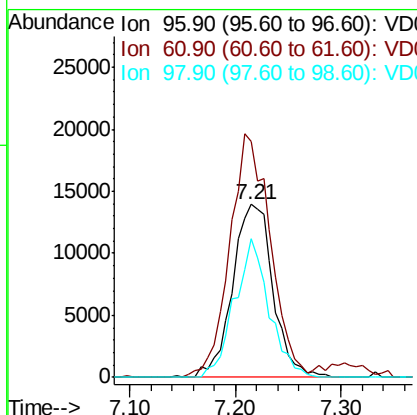
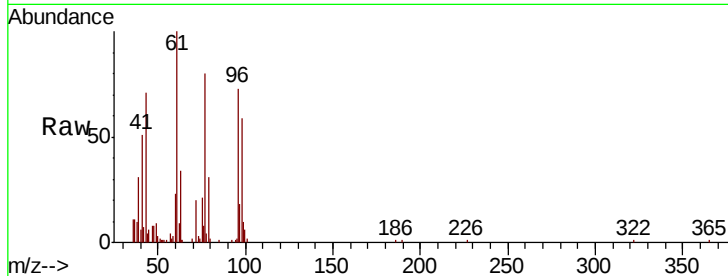
#27
 cis-1,2-Dichloroethene
 Concen: 21.340 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	280.0
98	68.2	0.0	130.4

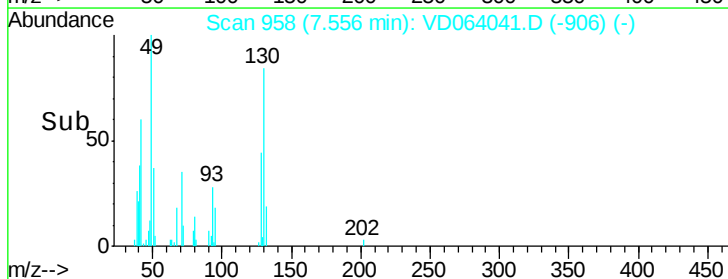
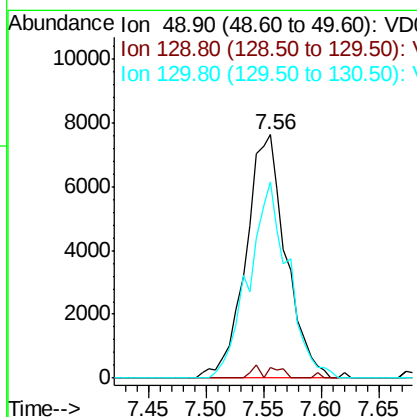
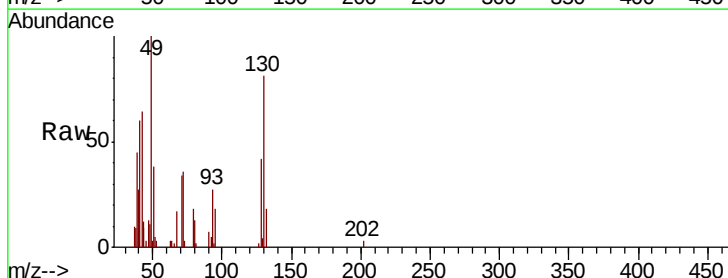
Manual Integrations
 APPROVED

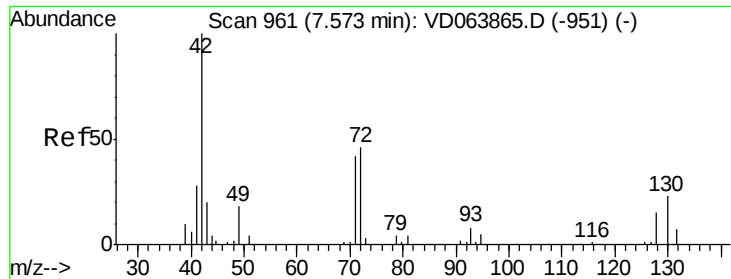
MMDadoda
 10/25/2019 4:48:12 PM



#28
 Bromochloromethane
 Concen: 19.973 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	79.2	66.8	100.2





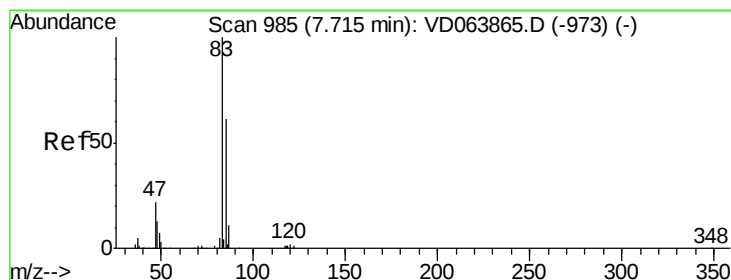
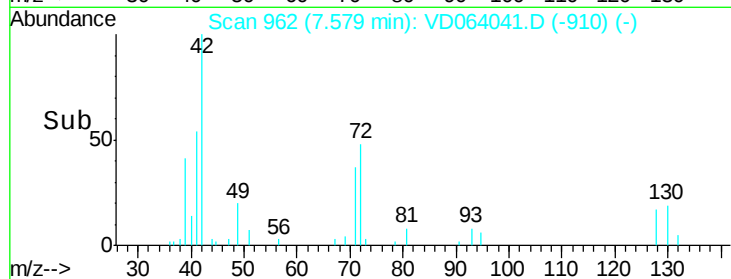
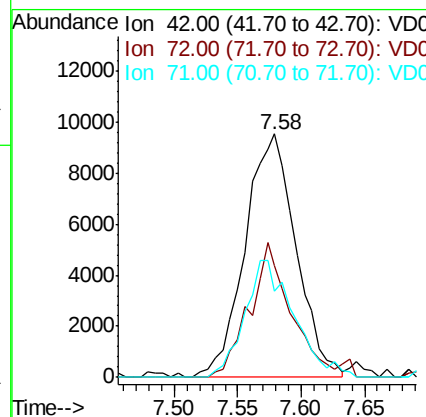
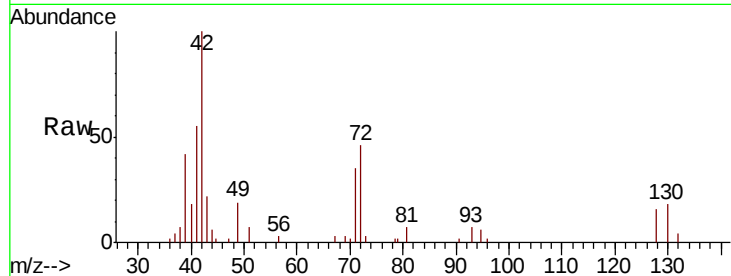
#29
Tetrahydrofuran
Concen: 103.209 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	37.6	56.4
71	46.4	35.0	52.6

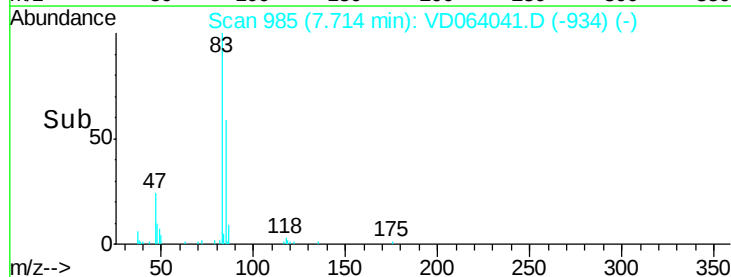
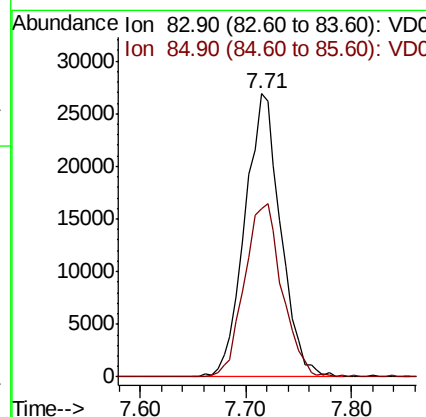
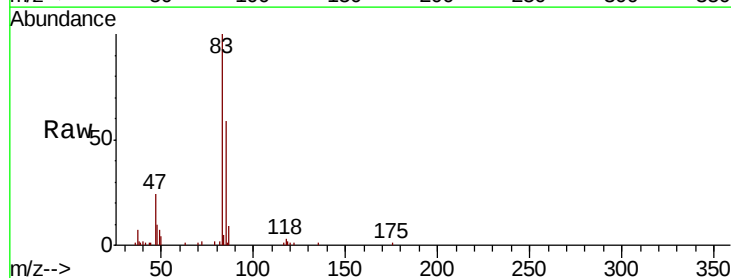
Manual Integrations
APPROVED

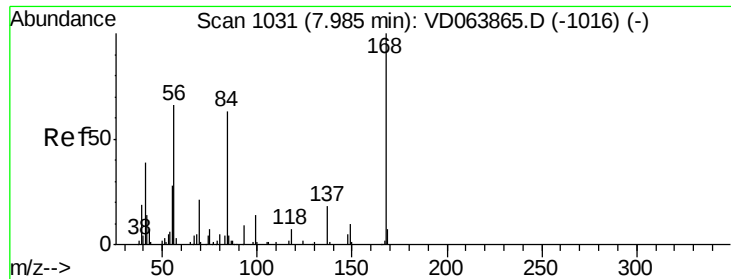
MMDadoda
10/25/2019 4:48:12 PM



#30
Chloroform
Concen: 22.581 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	48.9	73.3





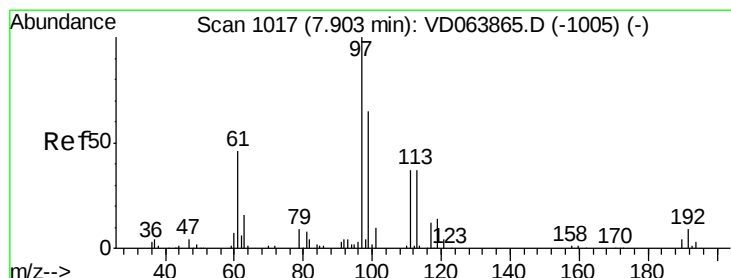
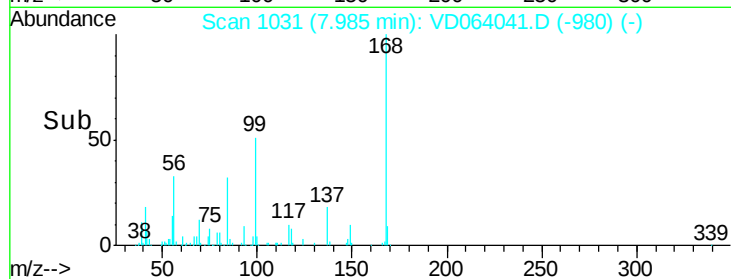
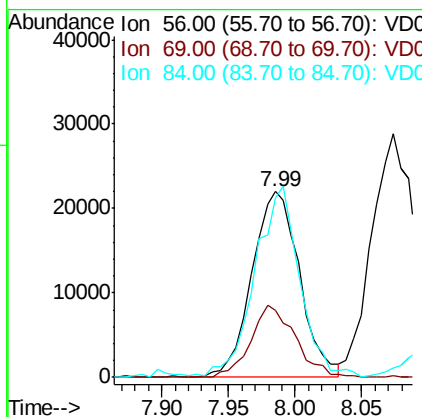
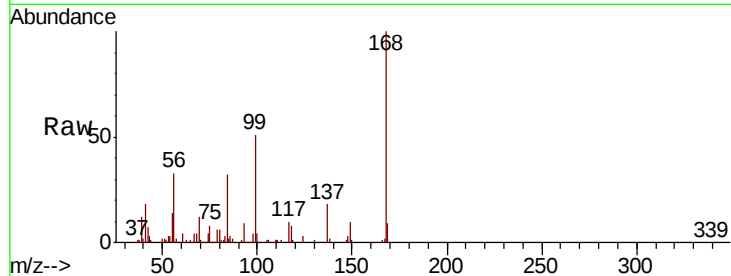
#31
Cyclohexane
Concen: 23.407 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.0	37.4
84	96.3	76.3	114.5

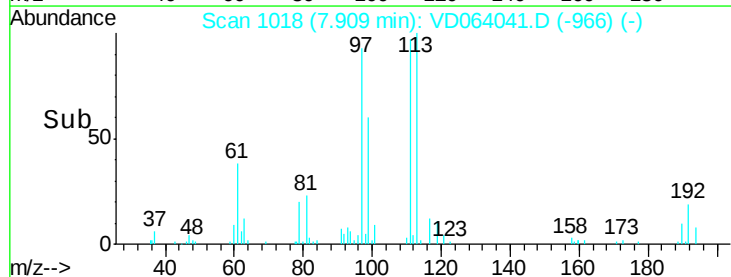
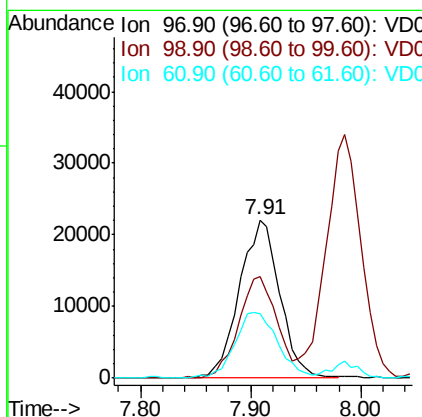
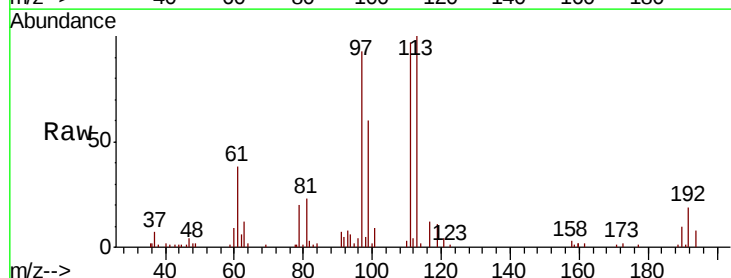
Manual Integrations
APPROVED

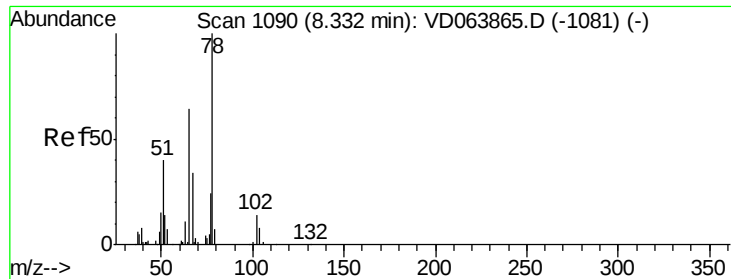
MMDadoda
10/25/2019 4:48:12 PM



#32
1,1,1-Trichloroethane
Concen: 23.479 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.5	52.4	78.6
61	44.1	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 52.212 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBSD01

Tot Ion: 65 Resp: 74840

Ion Ratio Lower Upper

65 100

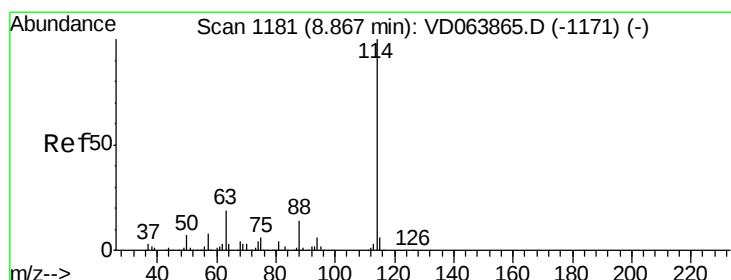
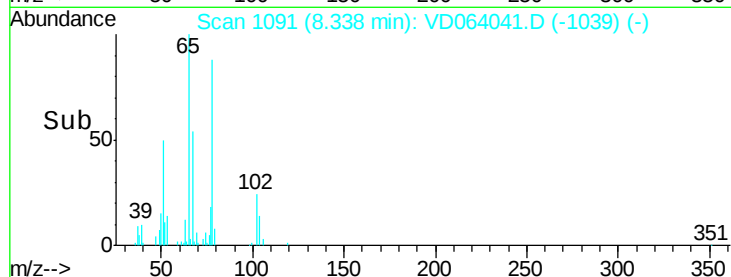
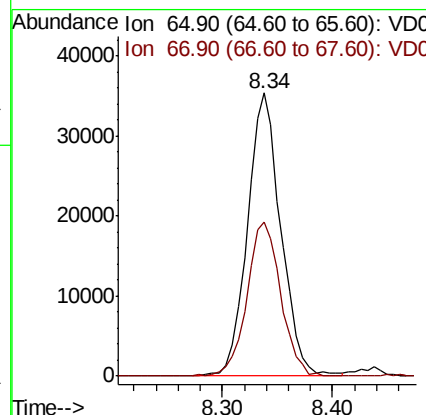
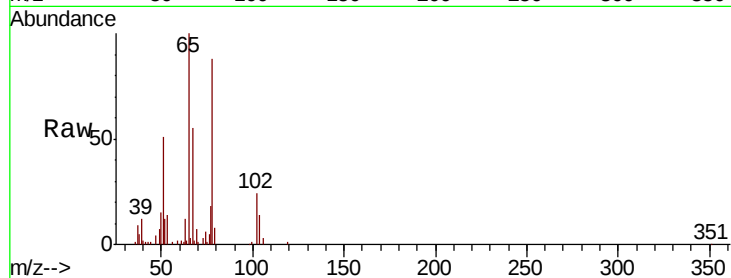
67 55.2 0.0 106.4

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

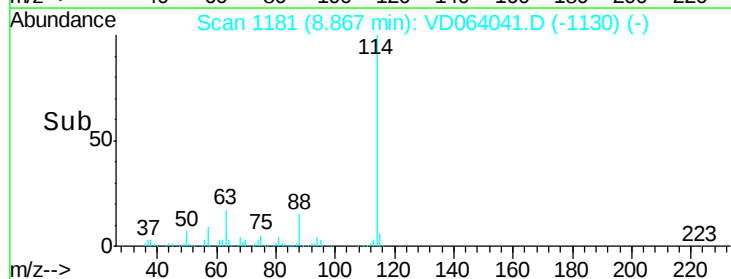
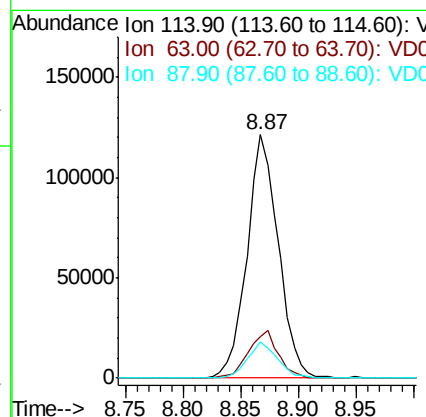
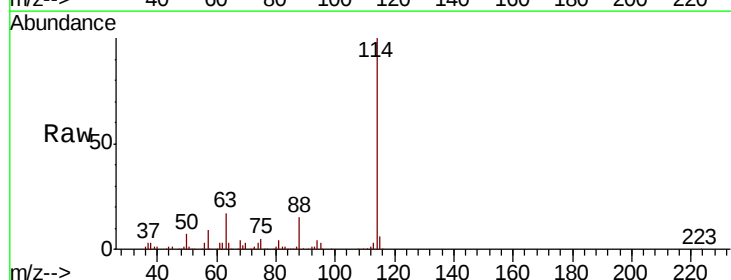
Tgt Ion: 114 Resp: 229286

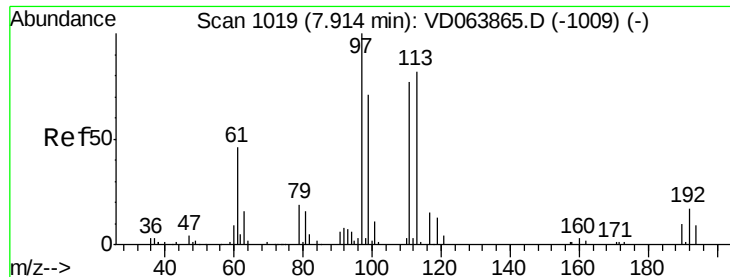
Ion Ratio Lower Upper

114 100

63 16.9 0.0 38.4

88 14.9 0.0 27.4





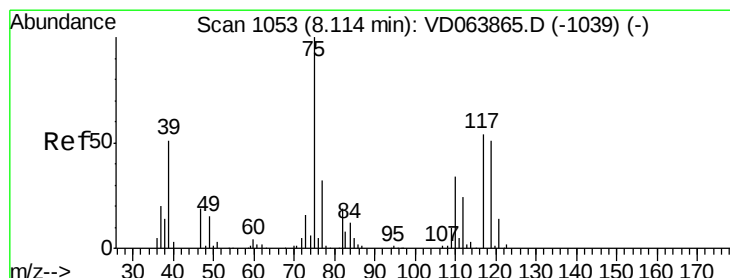
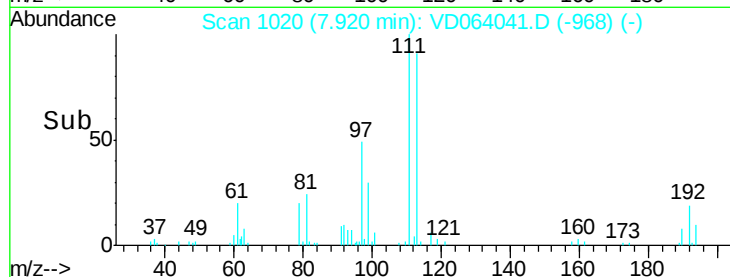
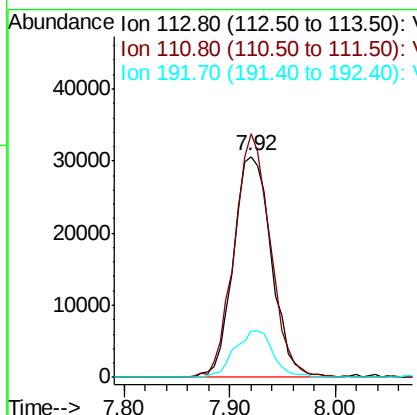
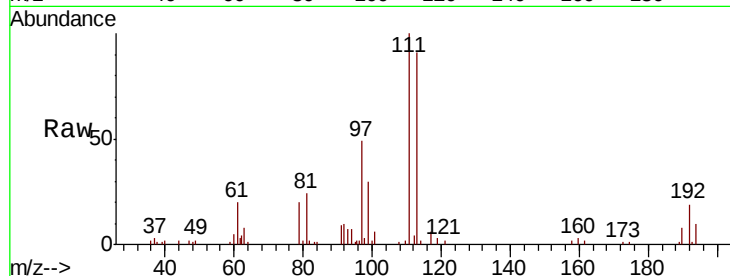
#35
Dibromofluoromethane
Concen: 54.689 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	123.8
192	21.3	17.1	25.7

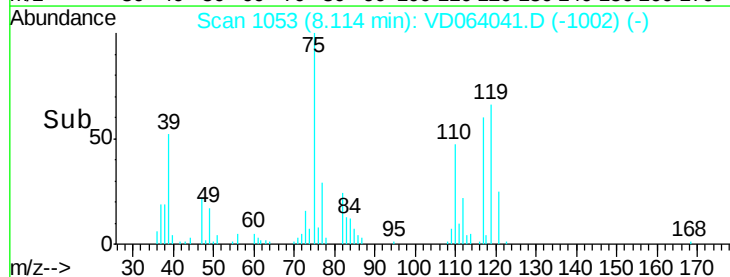
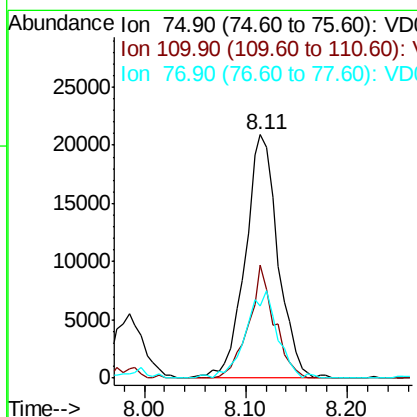
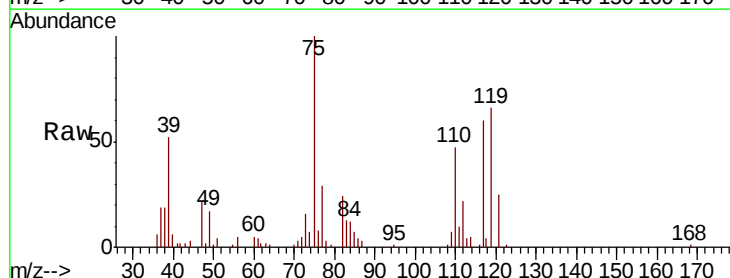
Manual Integrations
APPROVED

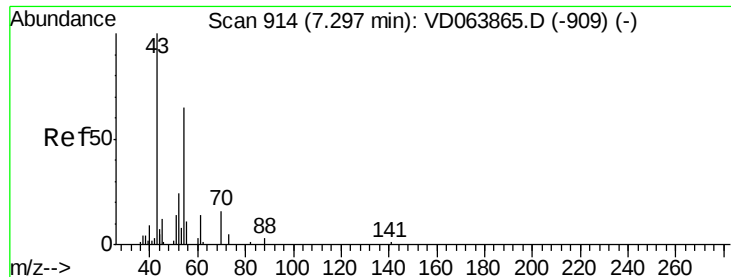
MMDadoda
10/25/2019 4:48:12 PM



#36
1,1-Dichloropropene
Concen: 22.399 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.4	52.3
77	34.6	25.4	38.0





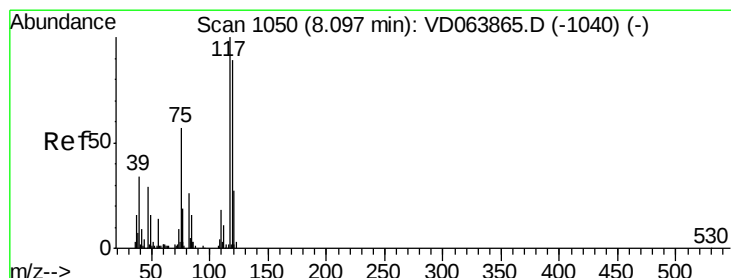
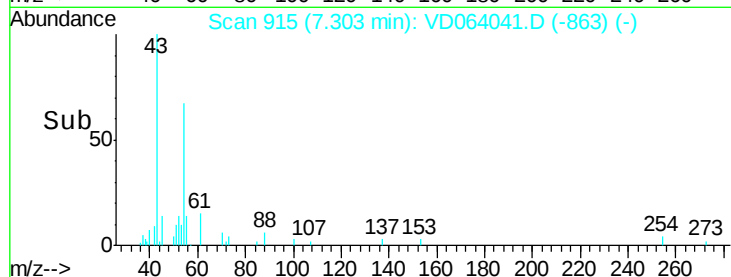
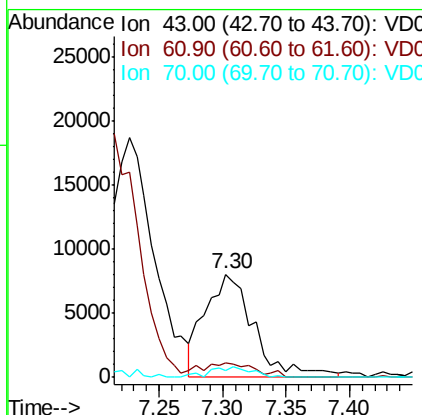
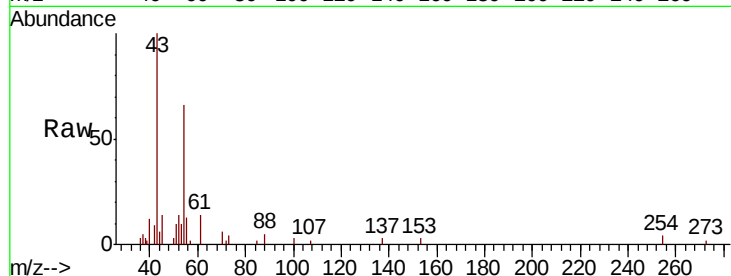
#37
Ethyl Acetate
Concen: 23.434 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleID :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.5	17.3
70	4.1	8.2	12.4

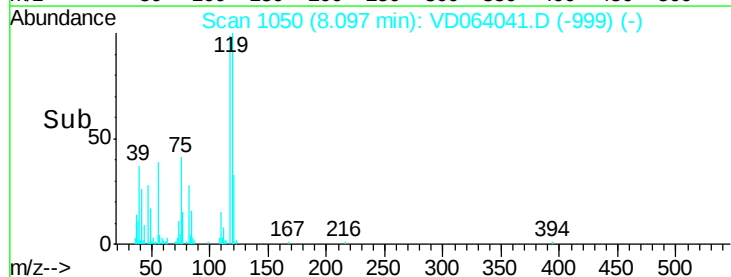
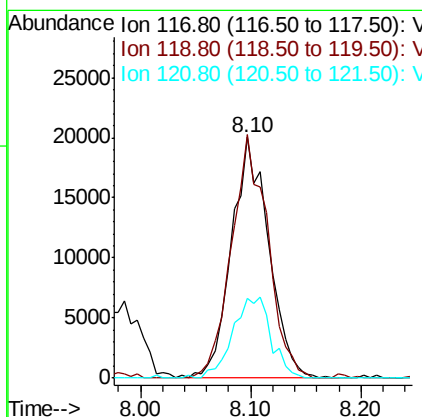
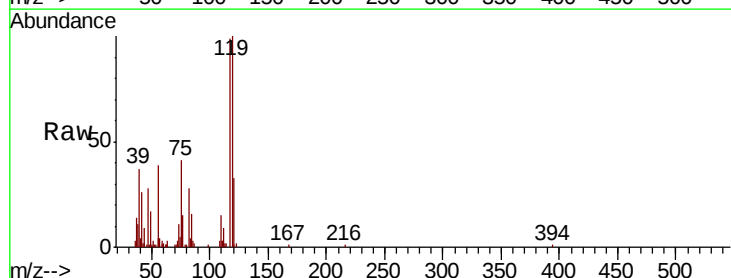
Manual Integrations
APPROVED

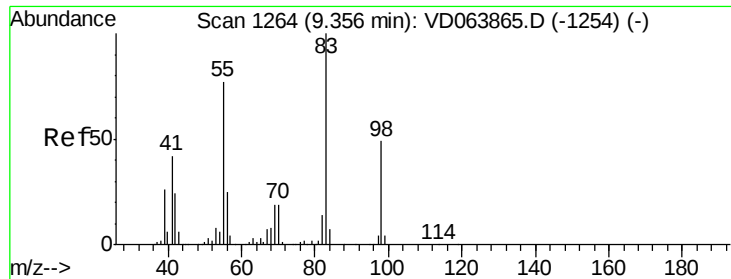
MMDadoda
10/25/2019 4:48:12 PM



#38
Carbon Tetrachloride
Concen: 22.356 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.0	70.8	106.2
121	32.9	21.4	32.0





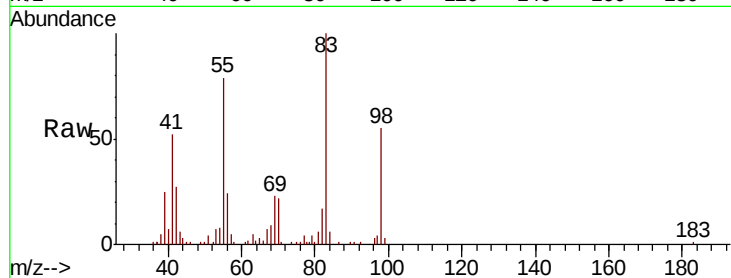
#39
Methvlcvclohexane
Concen: 22.735 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

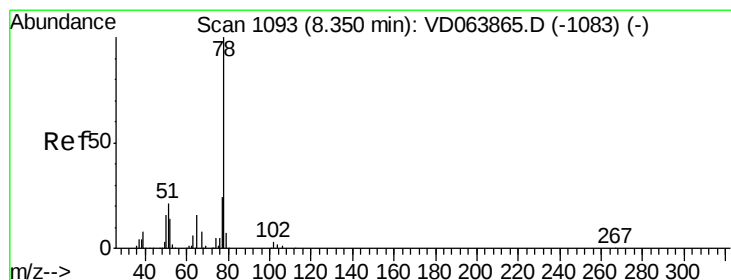
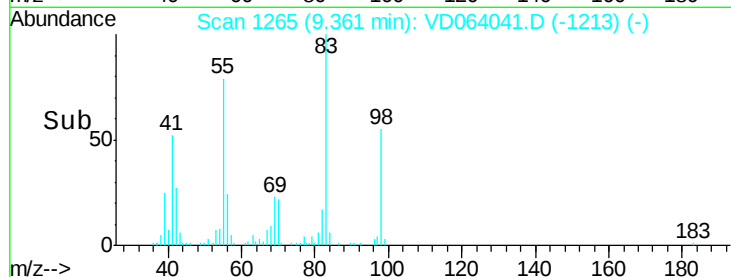
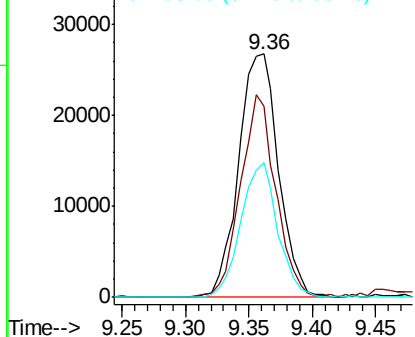
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.3	91.9
98	55.2	39.3	58.9

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM

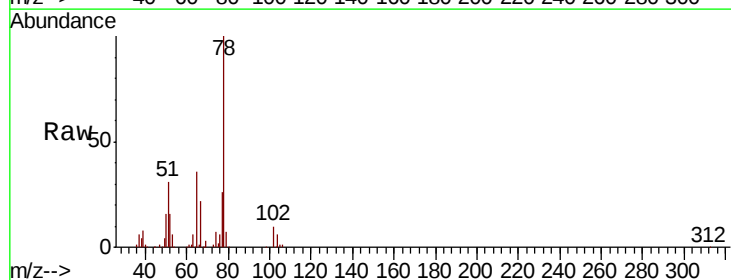


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

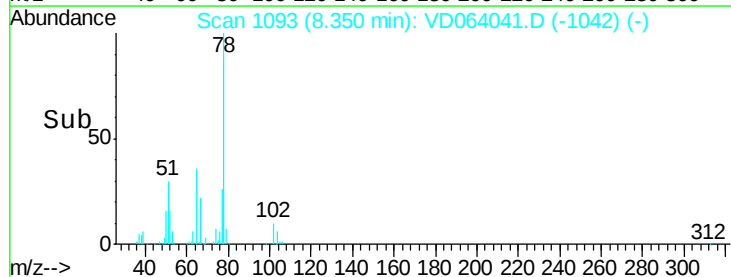
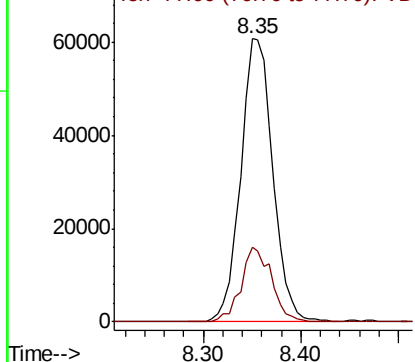


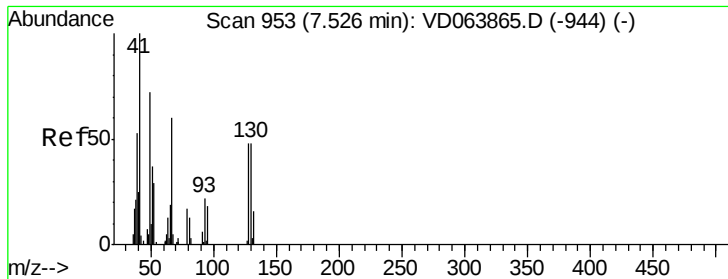
#40
Benzene
Concen: 23.202 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 21.568 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 41 Resp: 10483

Ion Ratio Lower Upper

41 100

39 67.2 52.6 78.8

67 87.6 74.2 111.2

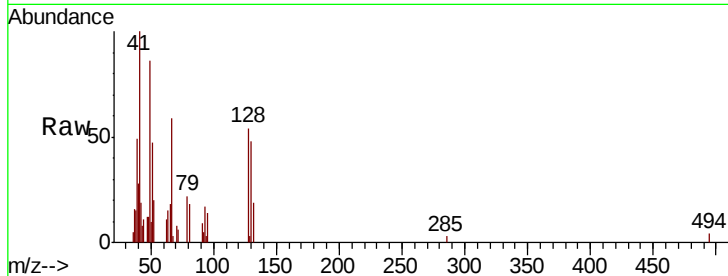
52 34.6 34.0 51.0

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM

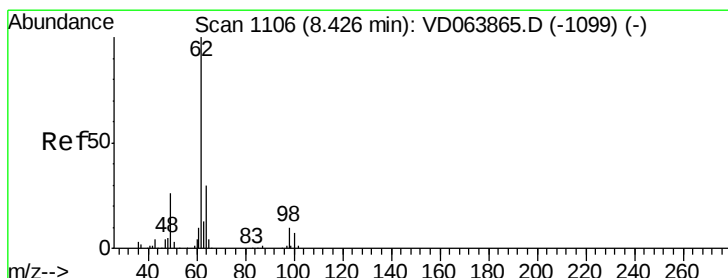
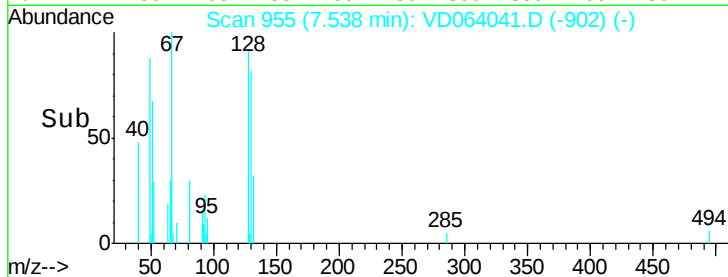
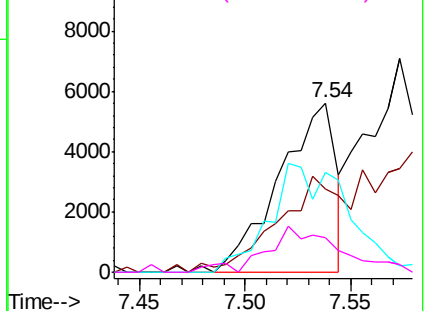


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.071 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064041.D

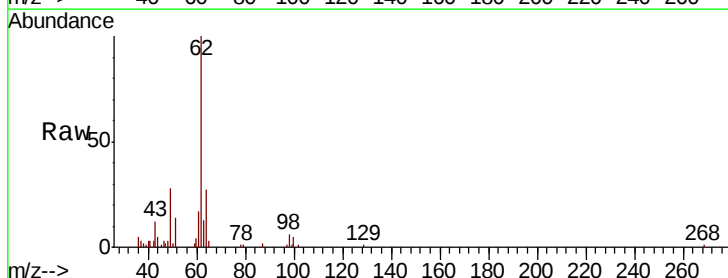
Acq: 24 Oct 2019 12:33

Tgt Ion: 62 Resp: 36618

Ion Ratio Lower Upper

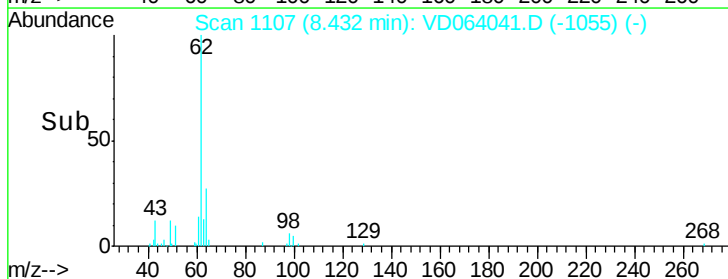
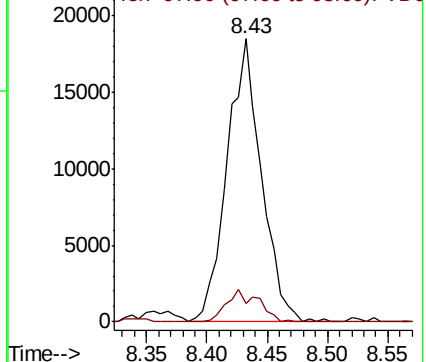
62 100

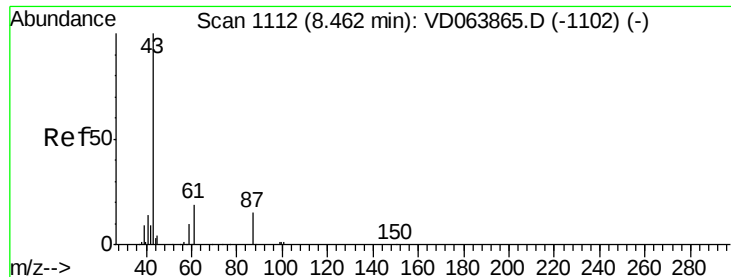
98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.498 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

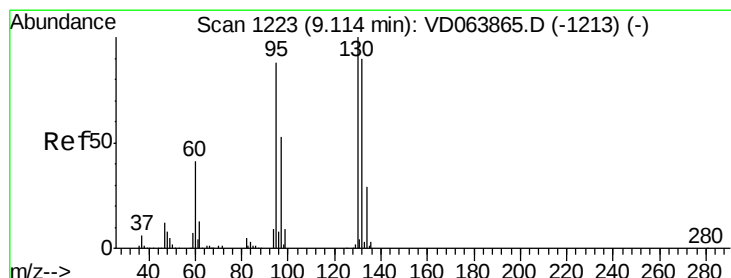
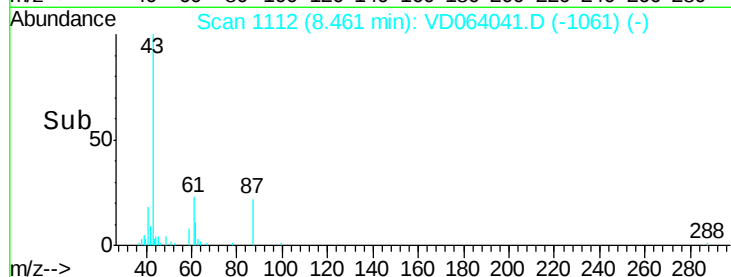
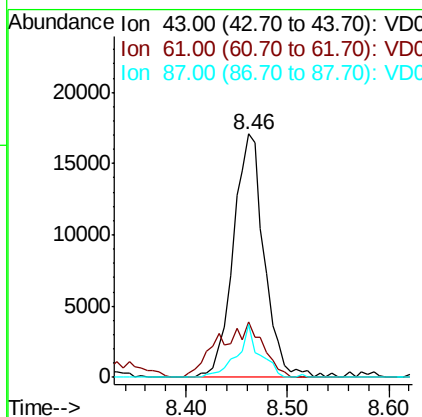
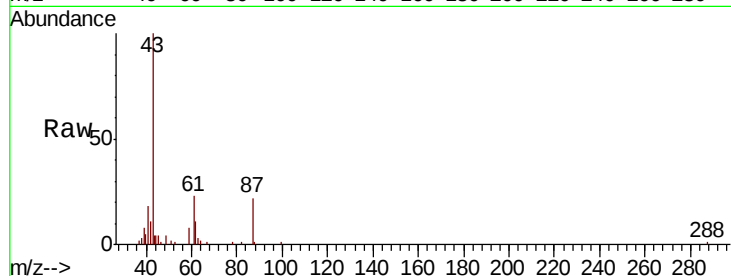
ClientSampleId :

VD1024SBS01

Tot Ion:	43	Resp:	36038
Ion	Ratio	Lower	Upper
43	100		
61	19.2	25.7	38.5#
87	15.3	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#44

Trichloroethene

Concen: 22.431 ug/l

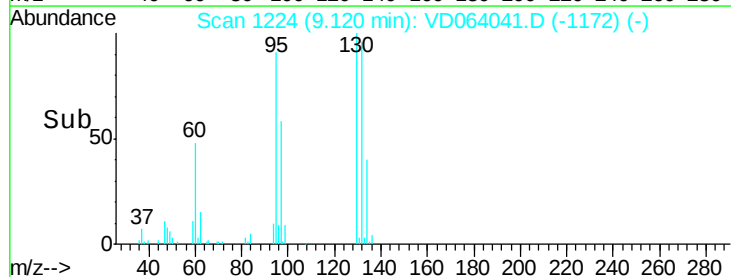
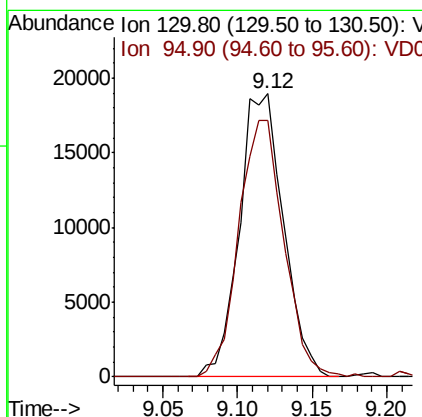
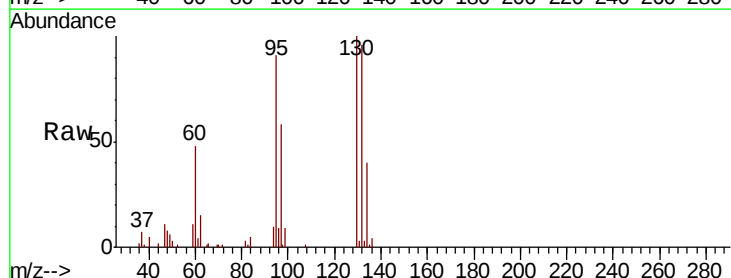
RT: 9.12 min Scan# 1224

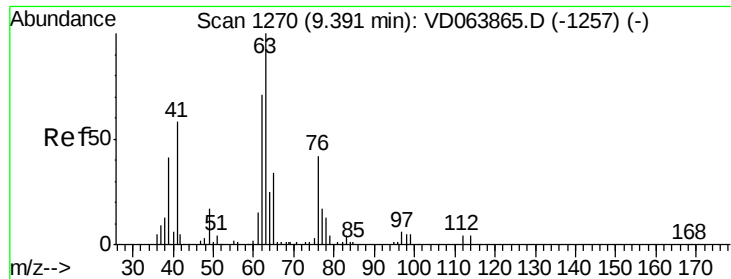
Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion:	130	Resp:	38859
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	175.6





#45

1,2-Dichloropropane

Concen: 23.349 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 63 Resp: 34334

Ion Ratio Lower Upper

63 100

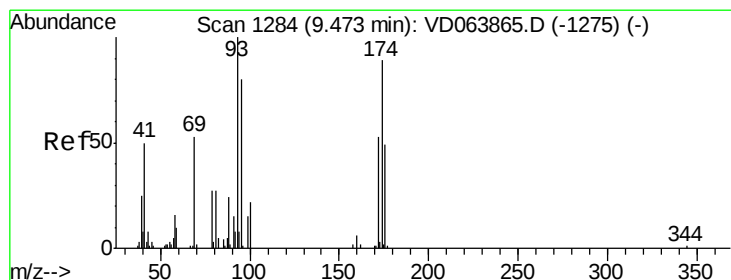
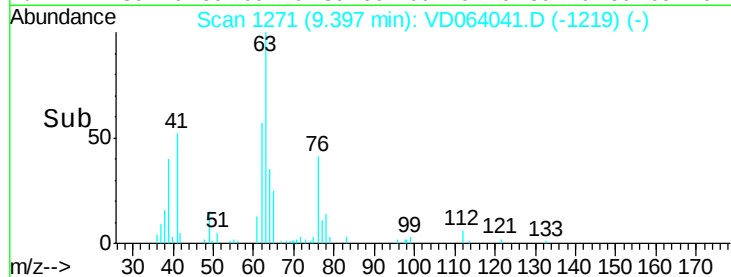
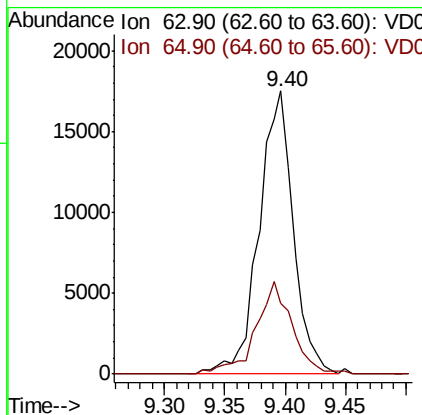
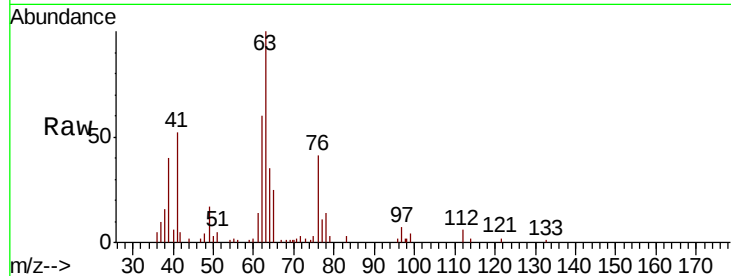
65 25.0 27.3 40.9#

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM



#46

Dibromomethane

Concen: 22.968 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

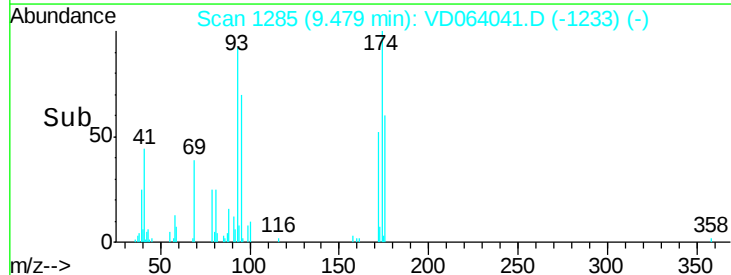
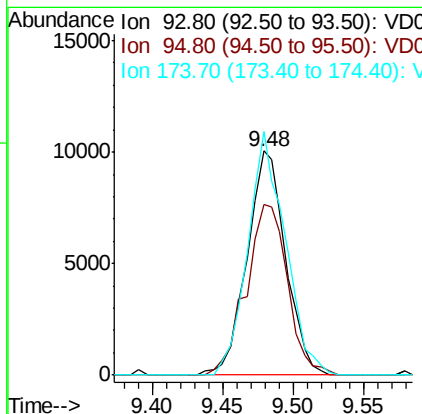
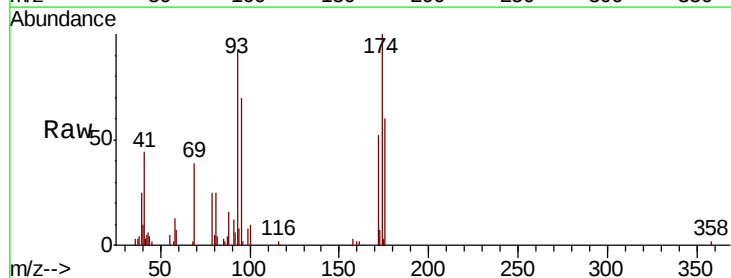
Tgt Ion: 93 Resp: 19235

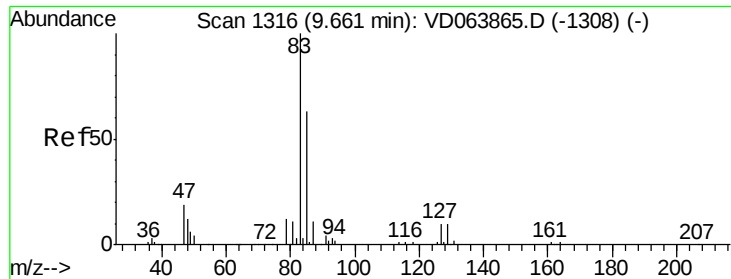
Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

174 105.3 83.4 125.0





#47

Bromodichloromethane

Concen: 21.272 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

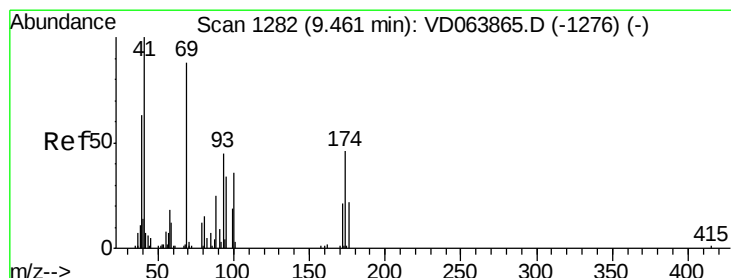
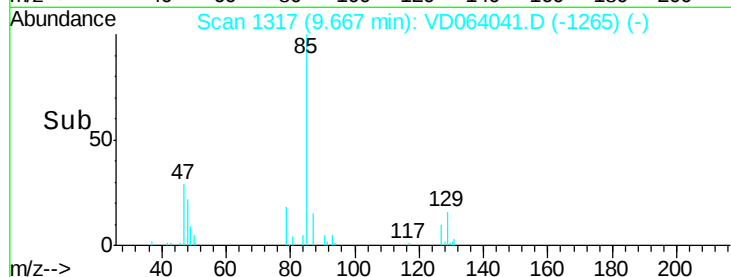
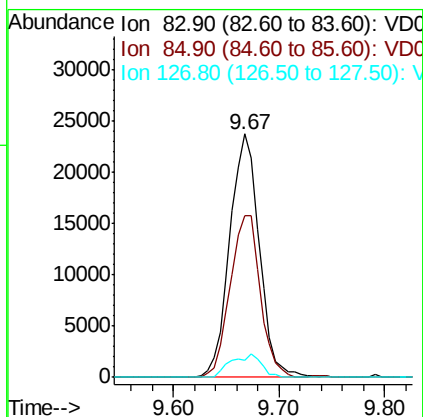
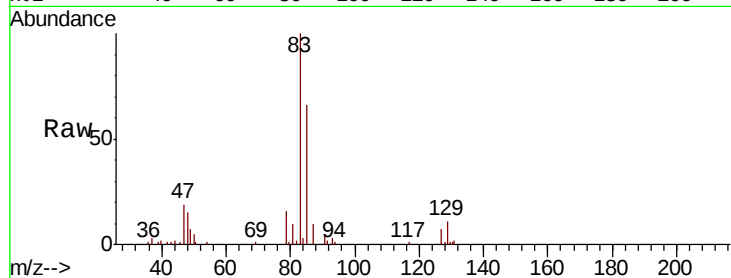
ClientSampleId :

VD1024SBSD01

Tot Ion	83	Resp	45865
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	50.2	75.2
127	7.0	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#48

Methyl methacrylate

Concen: 19.910 ug/l

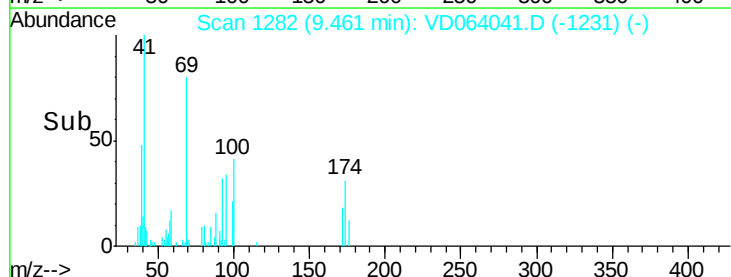
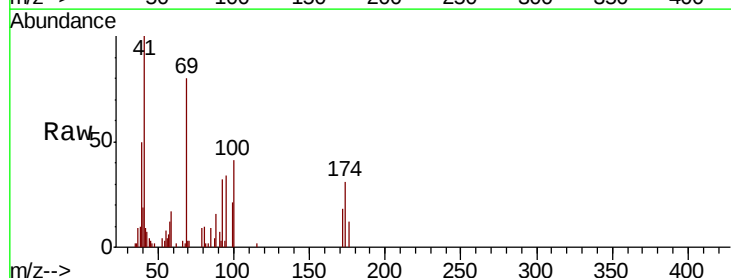
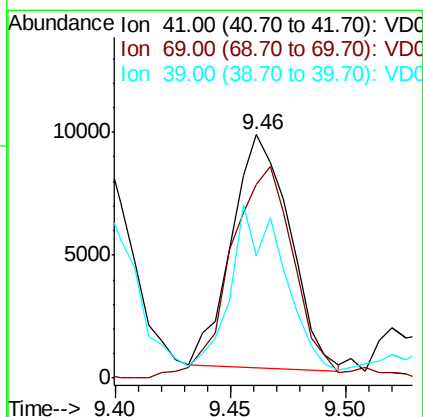
RT: 9.46 min Scan# 1282

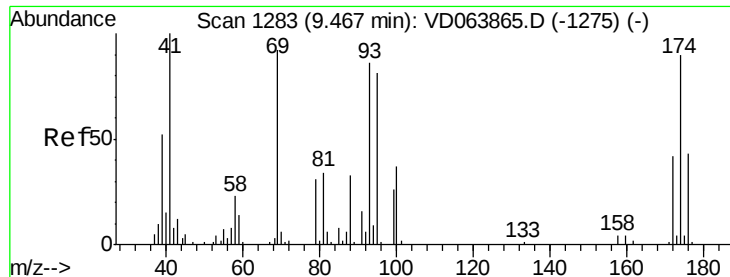
Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion	41	Resp	16772
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
41	100		
69	97.9	75.1	112.7
39	63.9	50.2	75.2





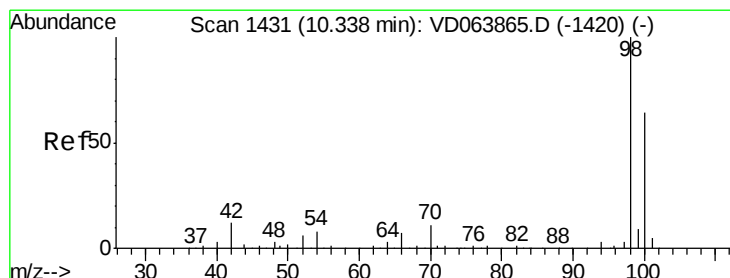
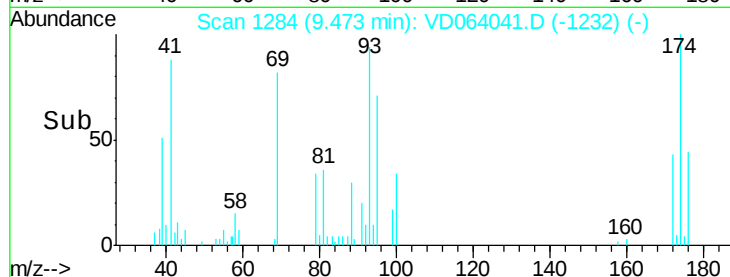
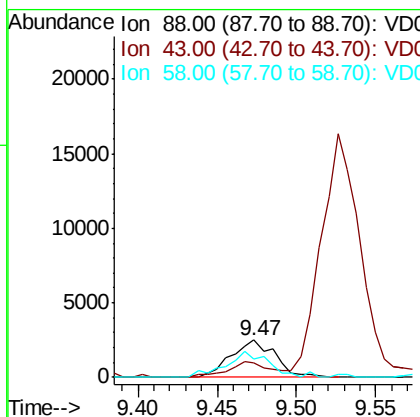
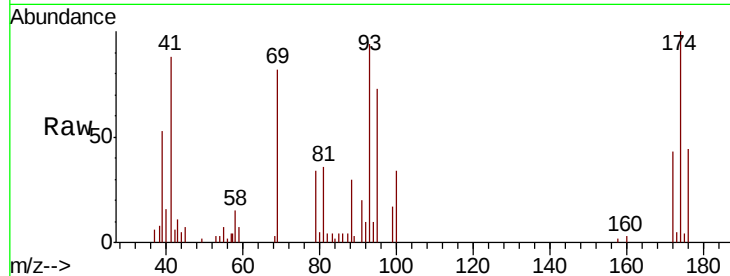
#49
1,4-Dioxane
Concen: 429.176 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	27.6	41.4
58	65.1	54.1	81.1

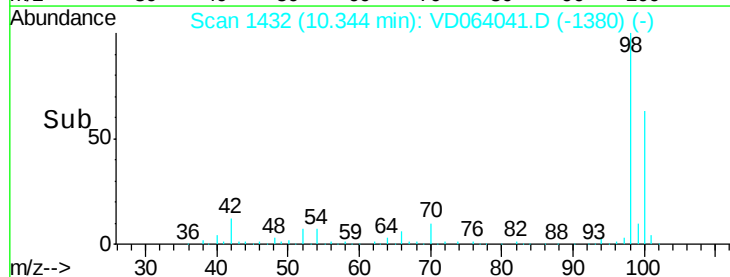
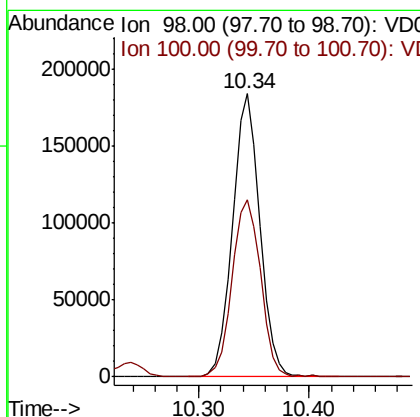
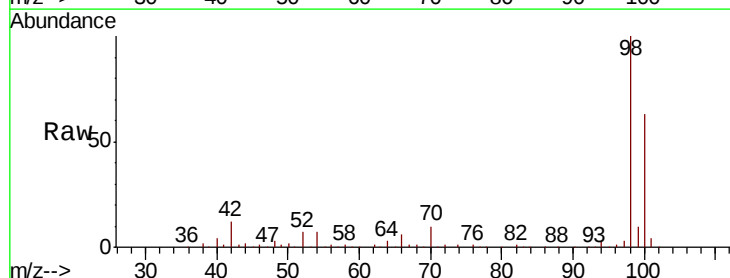
Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#50
Toluene-d8
Concen: 56.213 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 110.041 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 100336

Ion Ratio Lower Upper

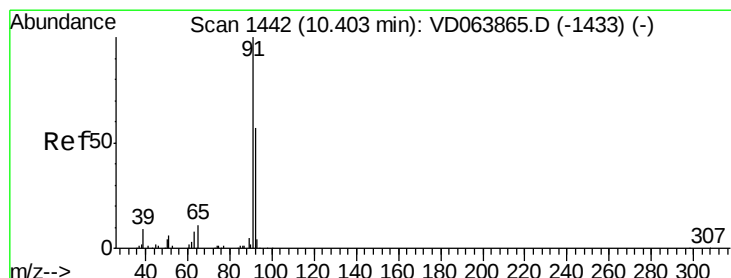
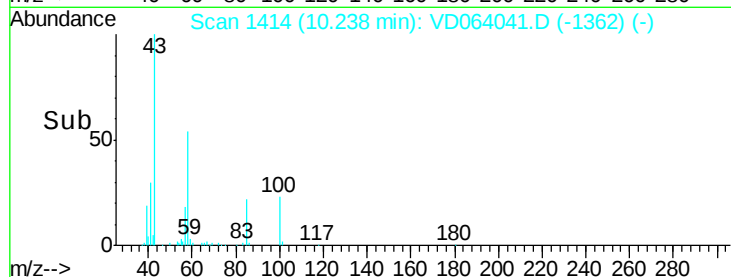
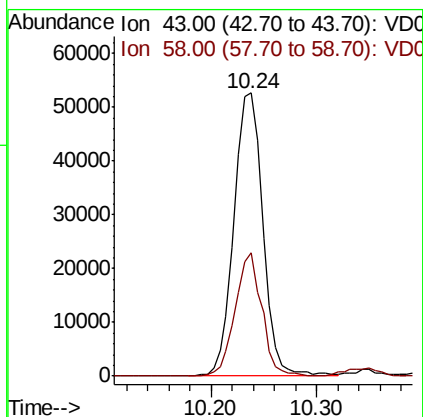
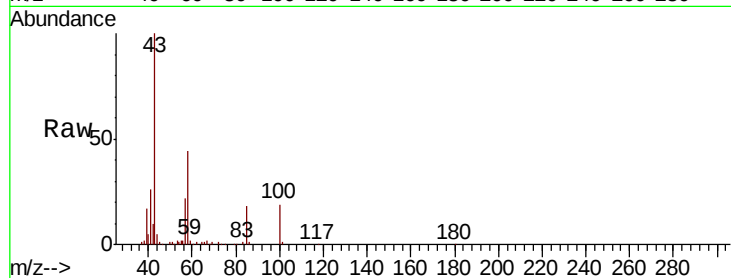
43 100

58 39.9 33.0 49.4

Manual Integrations
APPROVED

MMDadoda

10/25/2019 4:48:12 PM



#52

Toluene

Concen: 22.296 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064041.D

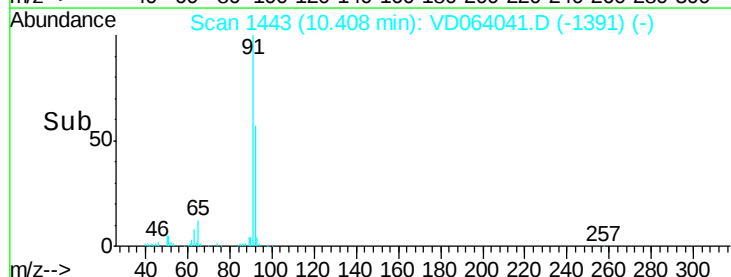
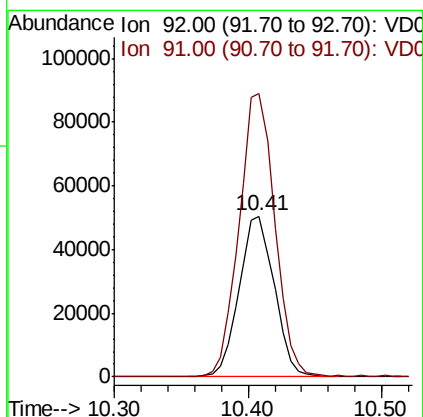
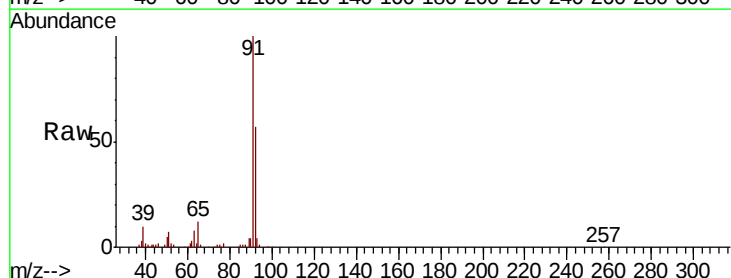
Acq: 24 Oct 2019 12:33

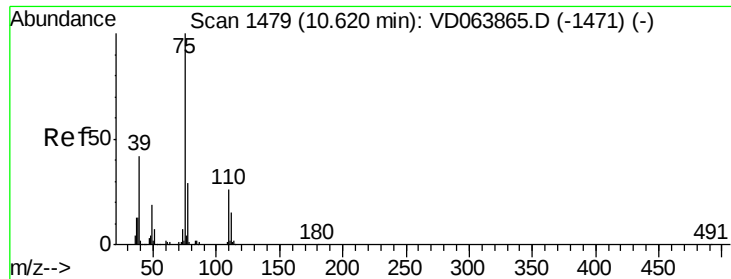
Tgt Ion: 92 Resp: 91952

Ion Ratio Lower Upper

92 100

91 179.6 139.5 209.3





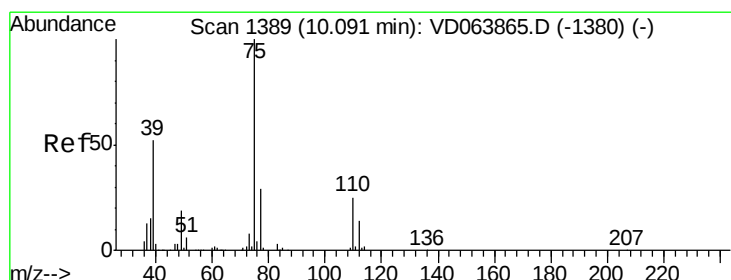
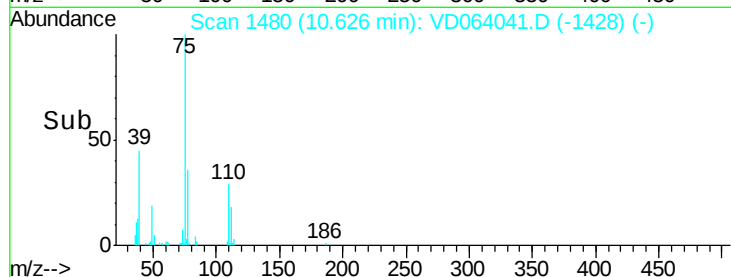
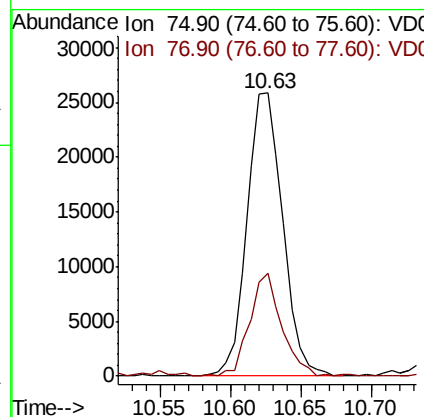
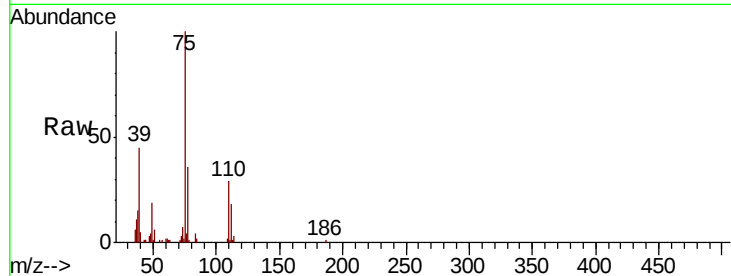
#53
t-1,3-Dichloropropene
Concen: 21.793 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion: 75 Resp: 45852
Ion Ratio Lower Upper
75 100
77 36.2 22.8 34.2#

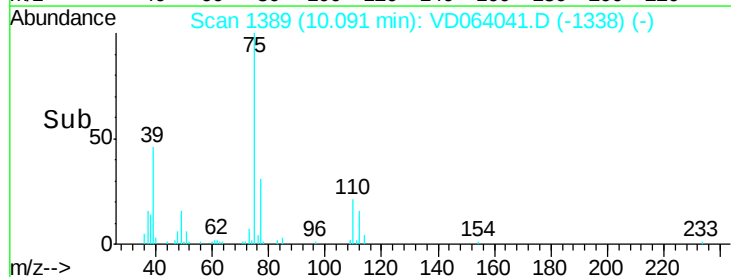
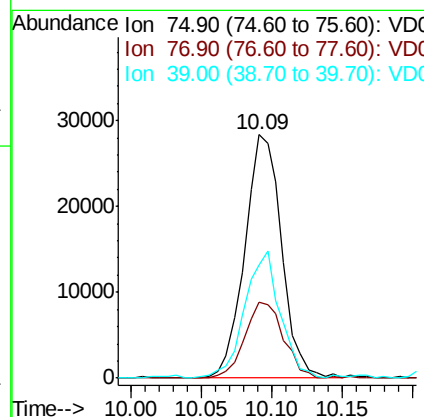
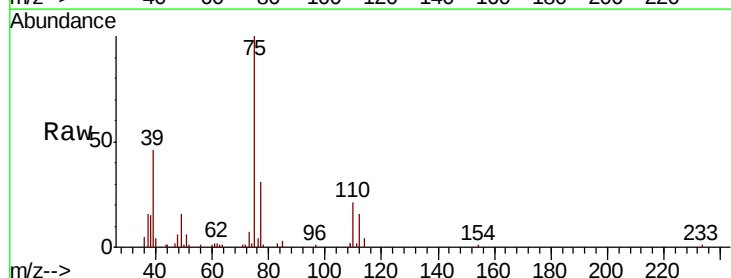
Manual Integrations
APPROVED

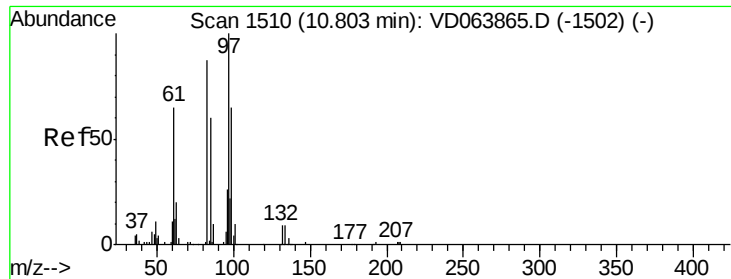
MMDadoda
10/25/2019 4:48:12 PM



#54
cis-1,3-Dichloropropene
Concen: 21.493 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 75 Resp: 52054
Ion Ratio Lower Upper
75 100
77 31.3 23.2 34.8
39 46.3 41.5 62.3





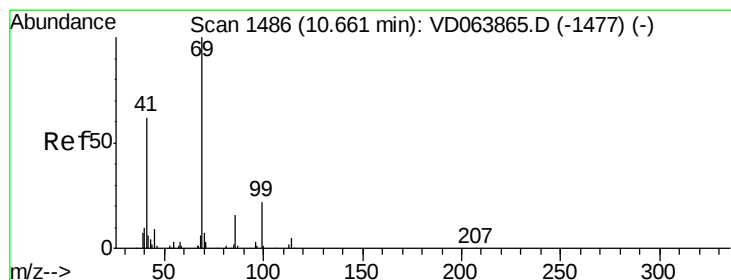
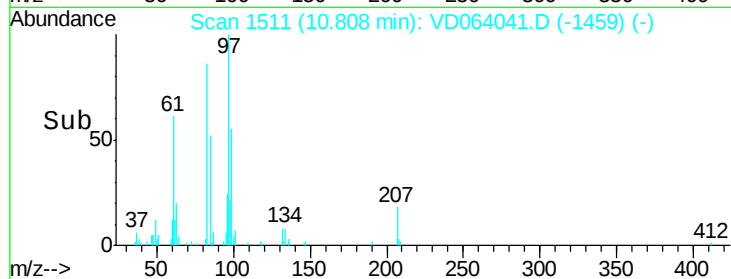
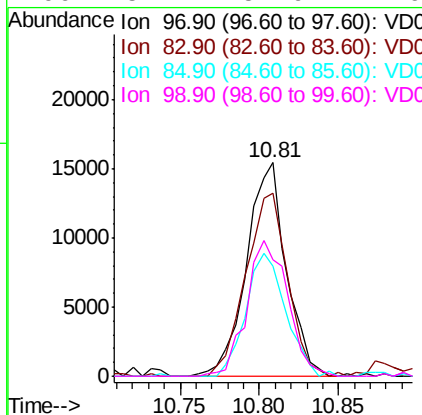
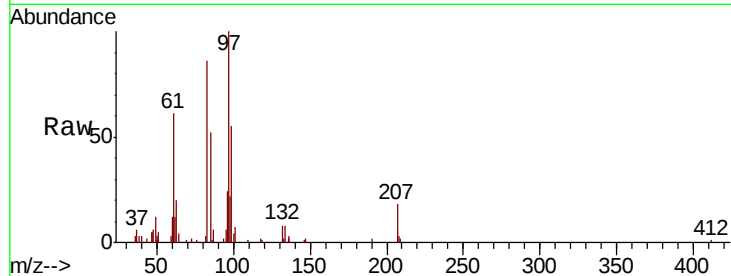
#55
 1,1,2-Trichloroethane
 Concen: 22.787 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		26945		
83	85.6	69.7	104.5		
85	51.6	48.1	72.1		
99	54.7	51.9	77.9		

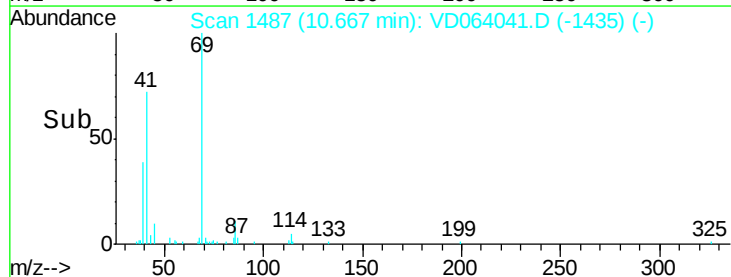
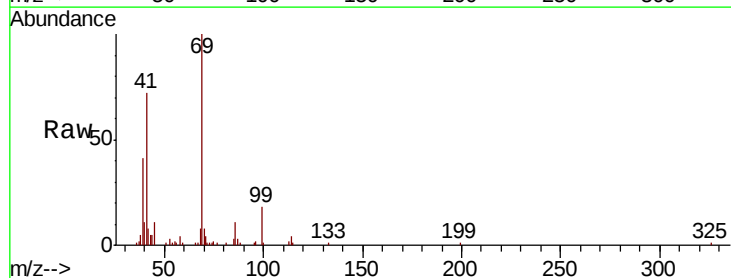
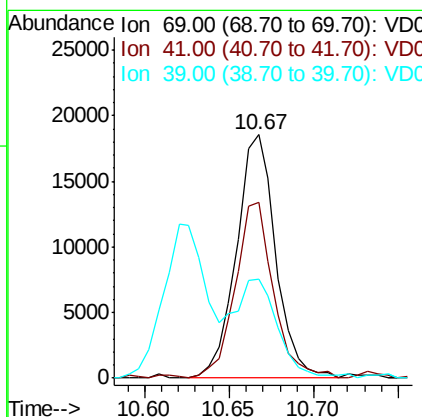
Manual Integrations
 APPROVED

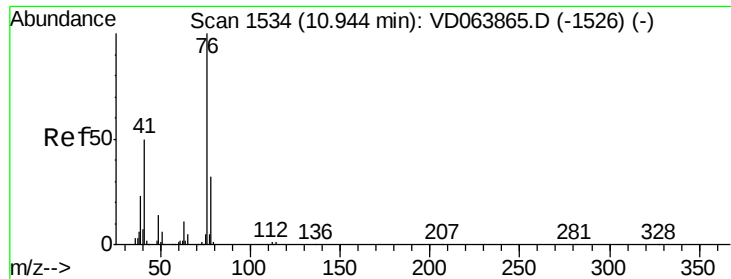
MMDadoda
 10/25/2019 4:48:12 PM



#56
 Ethyl methacrylate
 Concen: 20.107 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		30109		
41	70.3	51.3	76.9		
39	40.4	28.0	42.0		





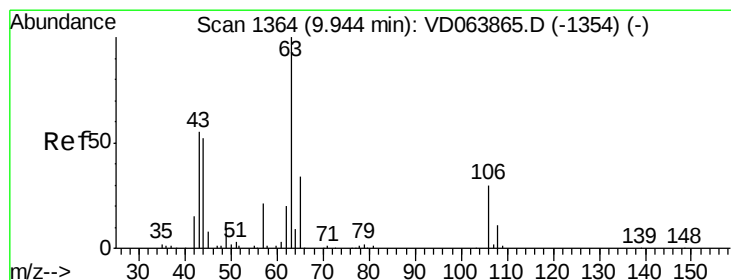
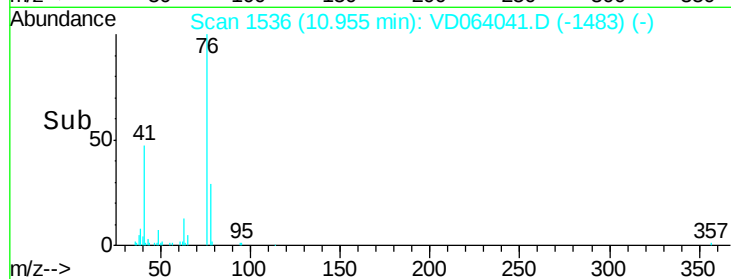
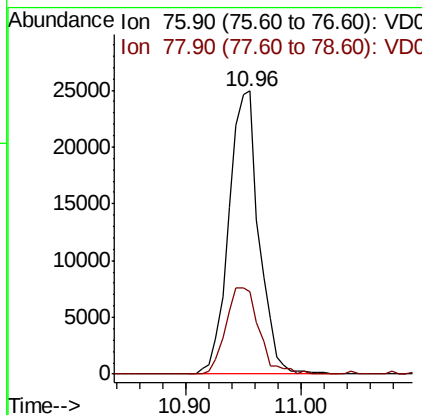
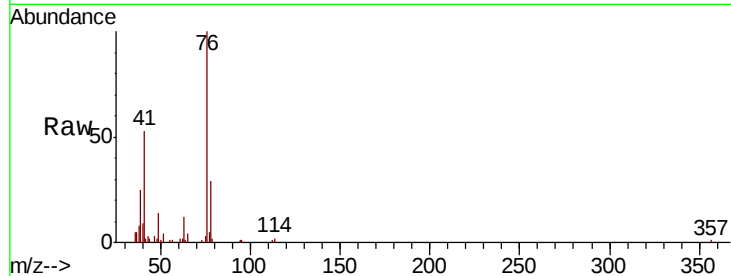
#57
 1,3-Dichloropropane
 Concen: 22.304 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBSD01

Tot Ion: 76 Resp: 45123
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.6 40.0

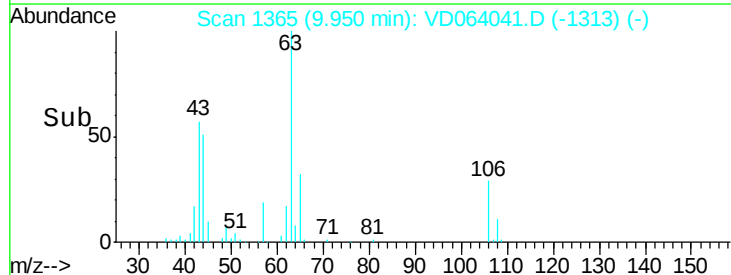
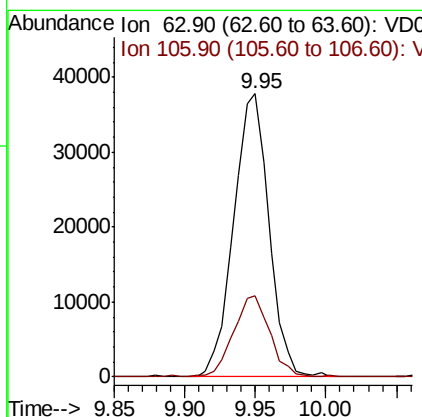
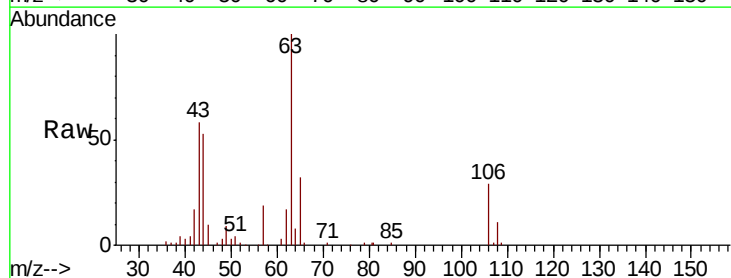
Manual Integrations
 APPROVED

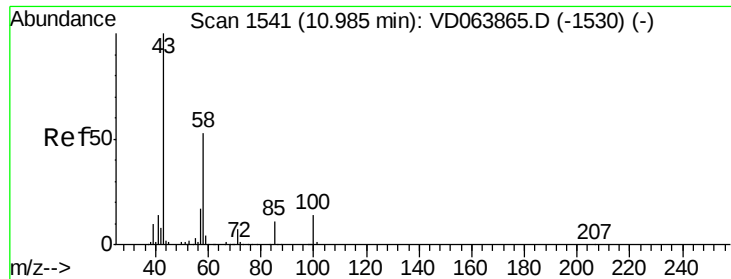
MMDadoda
 10/25/2019 4:48:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.462 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 63 Resp: 65949
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.3 36.5





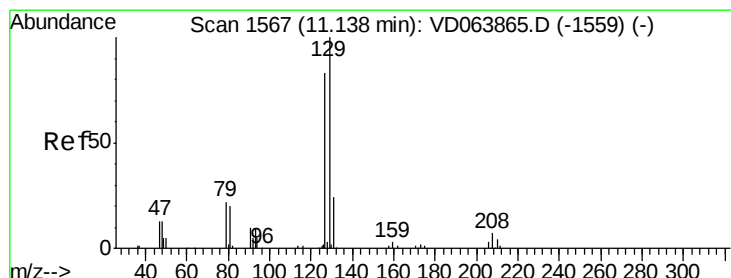
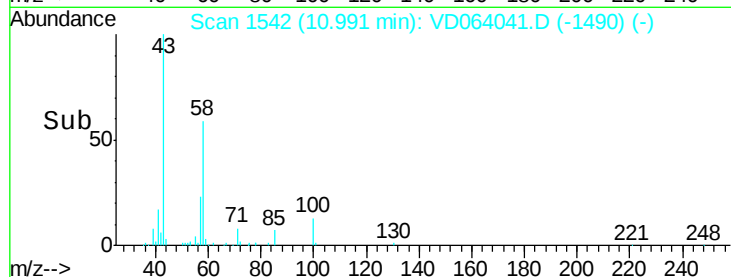
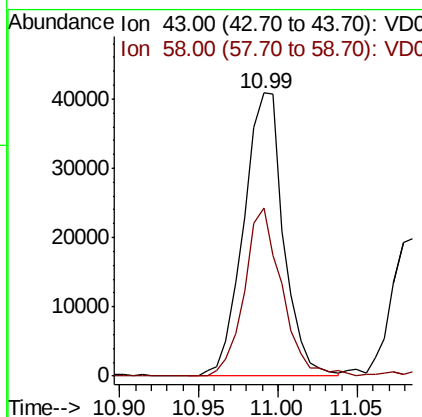
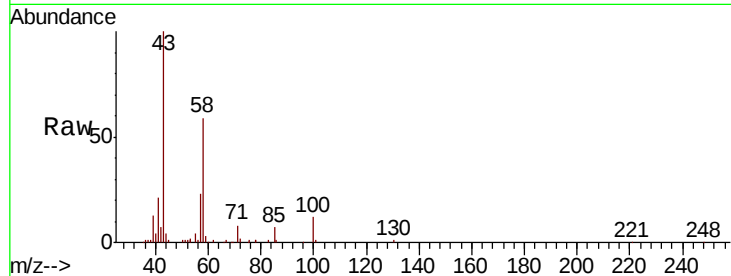
#59
2-Hexanone
Concen: 108.738 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion: 43 Resp: 71721
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

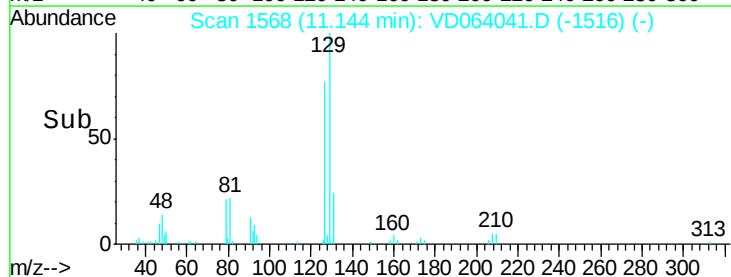
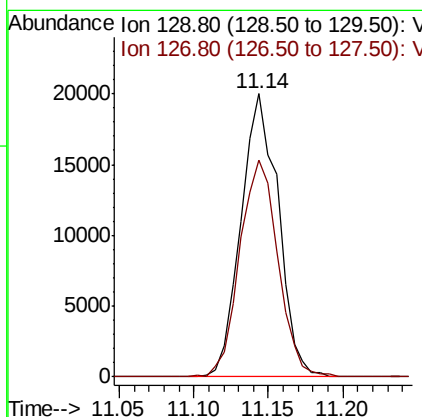
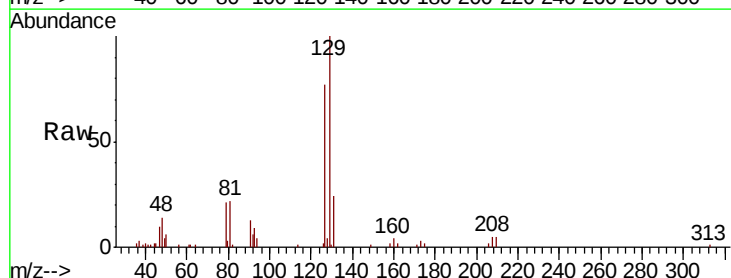
Manual Integrations
APPROVED

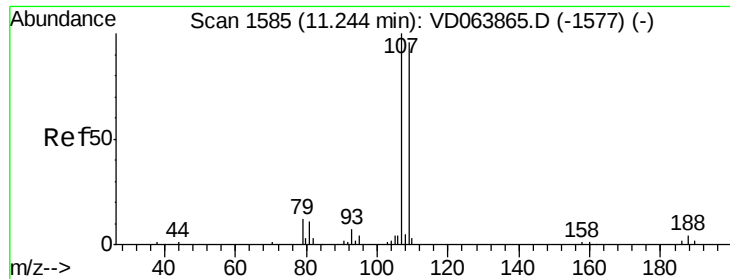
MMDadoda
10/25/2019 4:48:12 PM



#60
Dibromochloromethane
Concen: 22.412 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 129 Resp: 34502
Ion Ratio Lower Upper
129 100
127 78.9 39.9 119.6





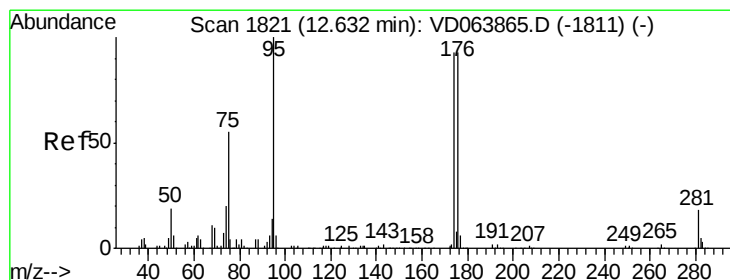
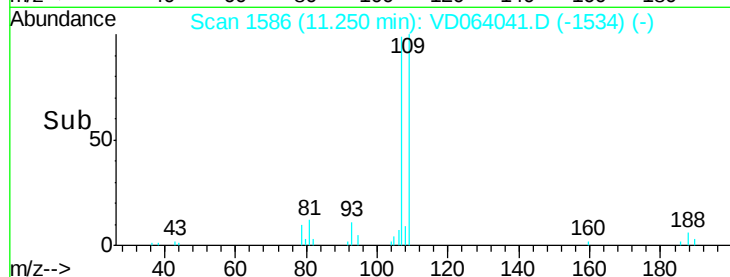
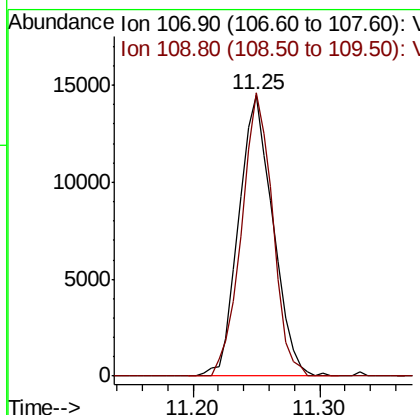
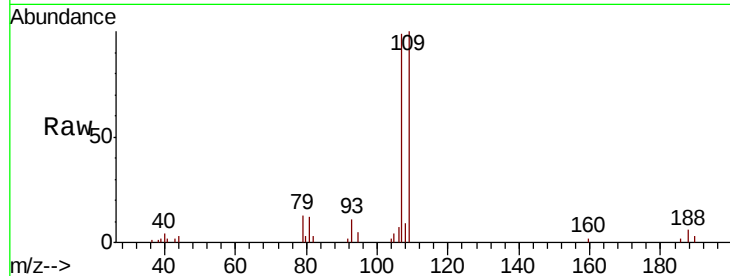
#61
1,2-Dibromoethane
Concen: 23.660 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion: 107 Resp: 27122
Ion Ratio Lower Upper
107 100
109 91.5 75.2 112.8

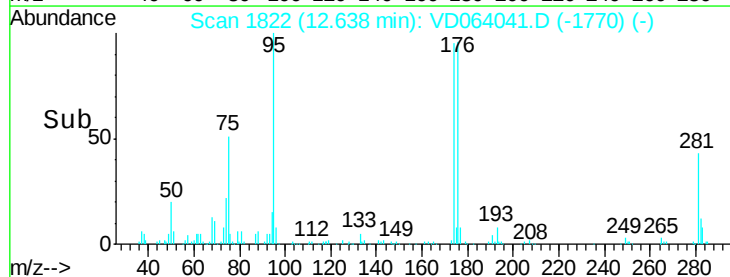
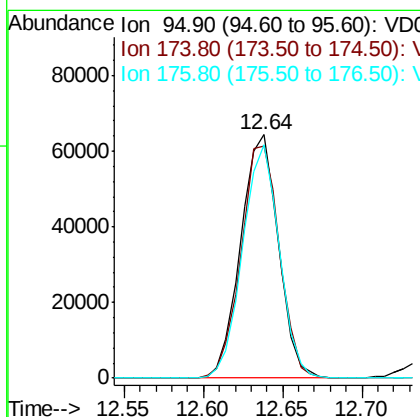
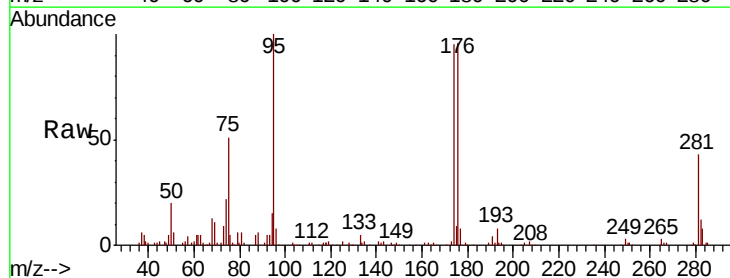
Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#62
4-Bromofluorobenzene
Concen: 53.768 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 95 Resp: 106266
Ion Ratio Lower Upper
95 100
174 97.3 0.0 186.4
176 93.4 0.0 184.2





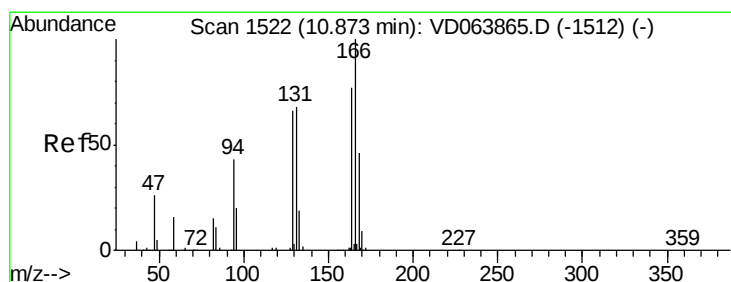
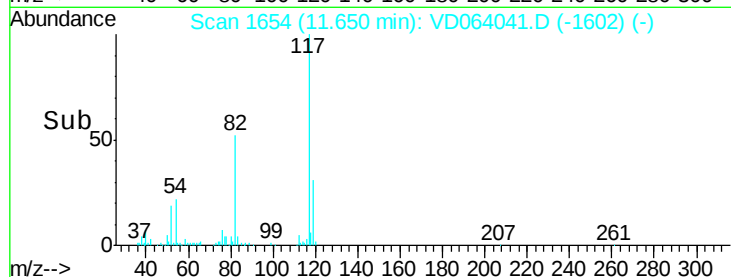
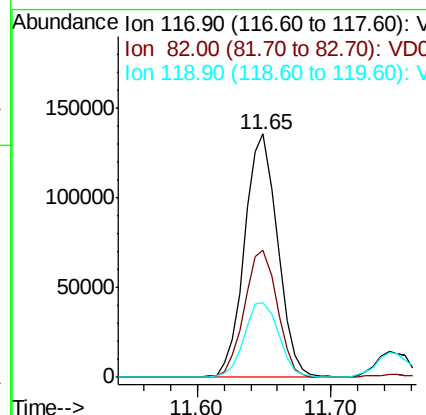
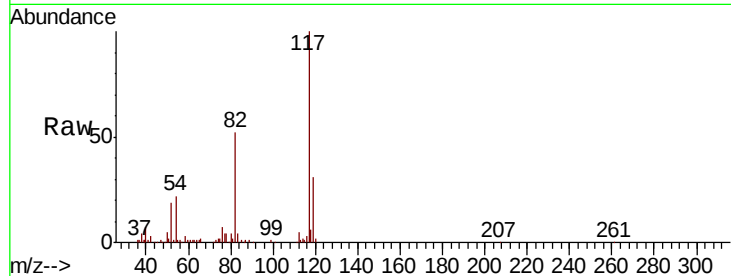
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.2	42.8	64.2
119	30.8	24.4	36.6

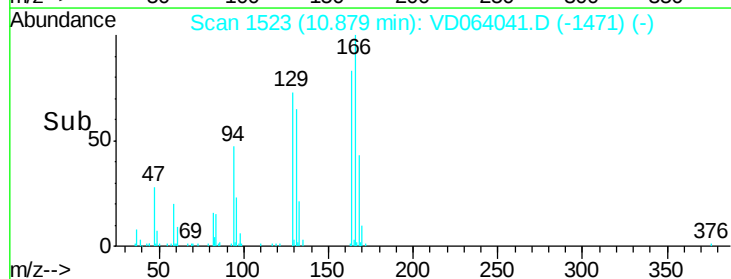
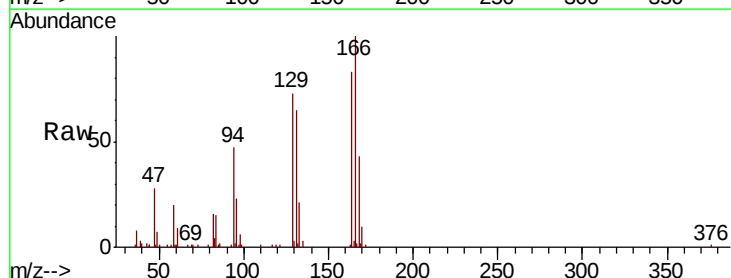
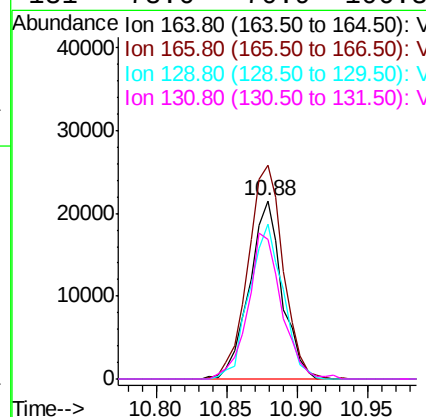
Manual Integrations
APPROVED

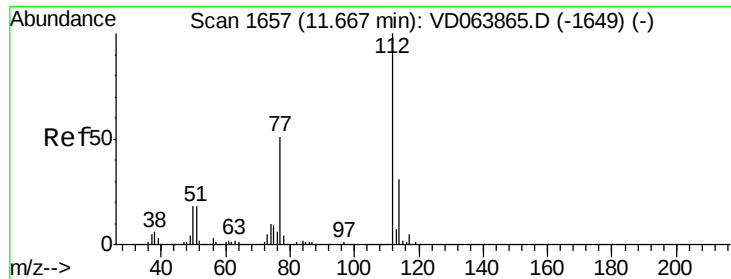
MMDadoda
10/25/2019 4:48:12 PM



#64
Tetrachloroethene
Concen: 22.175 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	120.0	103.8	155.6
129	87.2	68.9	103.3
131	78.6	70.9	106.3





#65

Chlorobenzene

Concen: 22.758 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:112 Resp: 106059

Ion Ratio Lower Upper

112 100

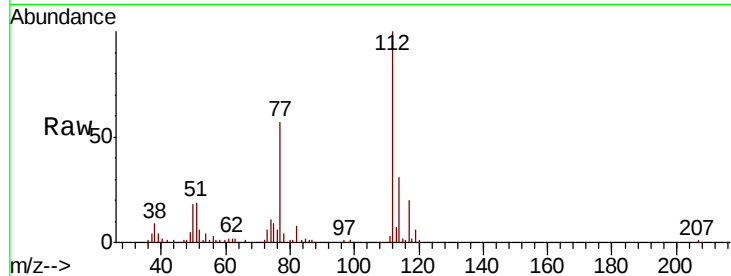
114 30.8 25.1 37.7

Manual Integrations

APPROVED

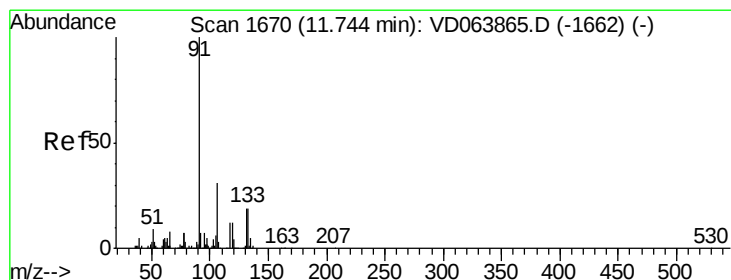
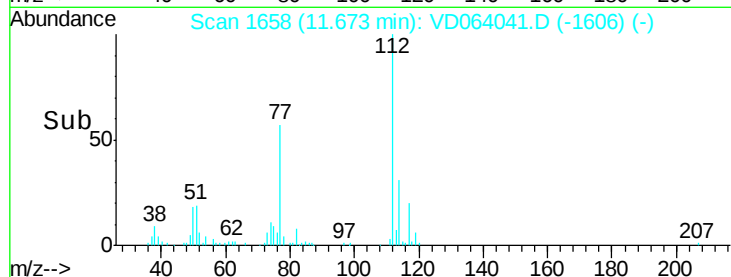
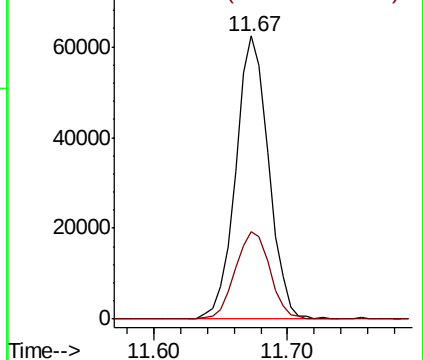
MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.227 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

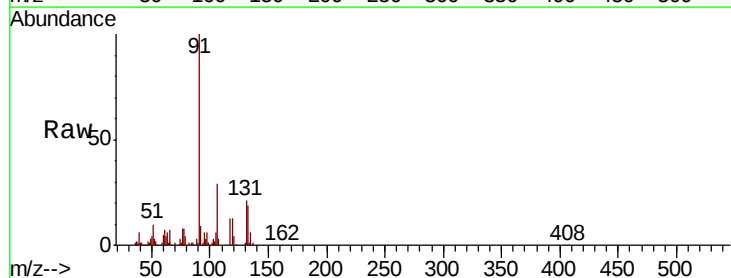
Tgt Ion:131 Resp: 38169

Ion Ratio Lower Upper

131 100

133 93.1 48.9 146.7

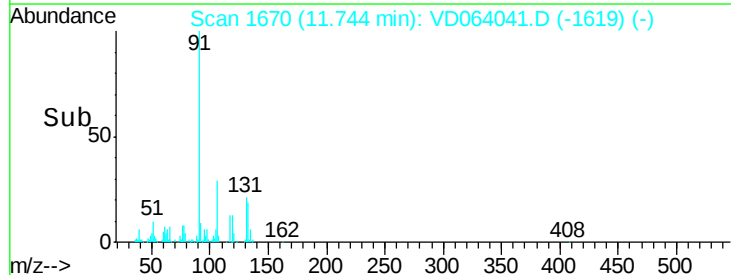
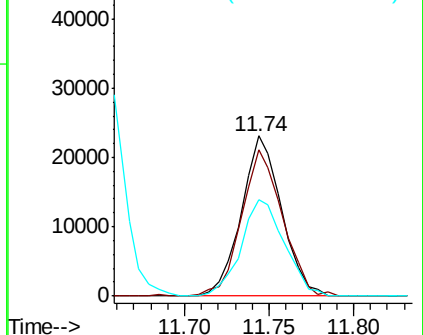
119 64.9 32.6 97.8

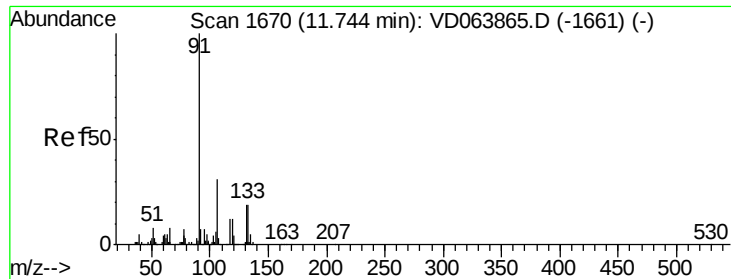


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





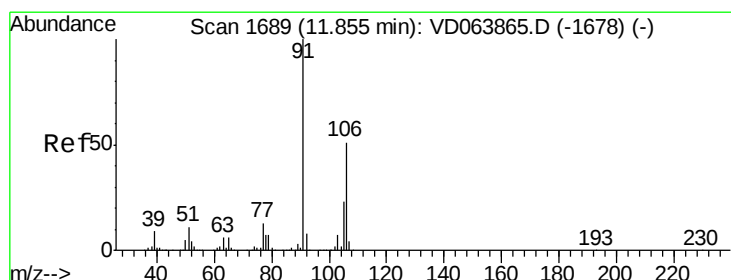
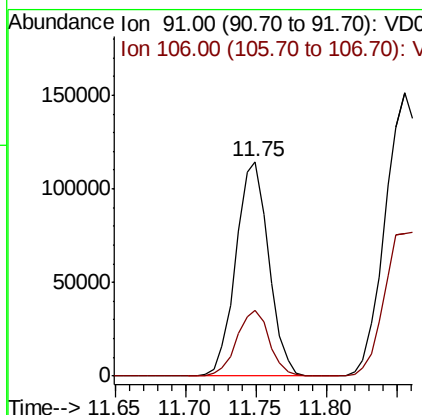
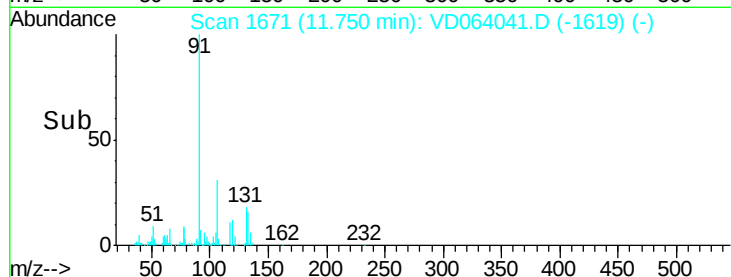
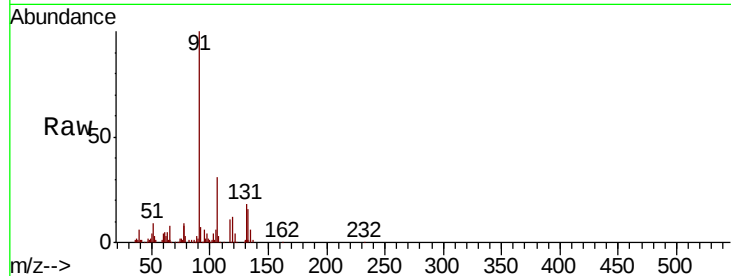
#67
Ethyl Benzene
Concen: 22.220 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 91 Resp: 186727
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

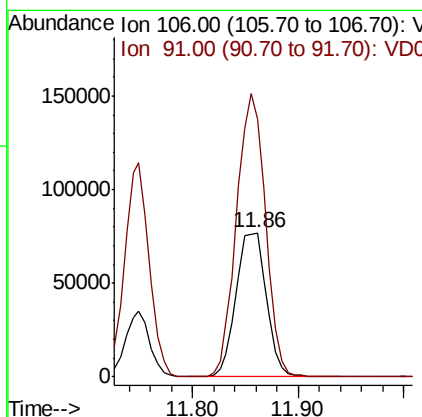
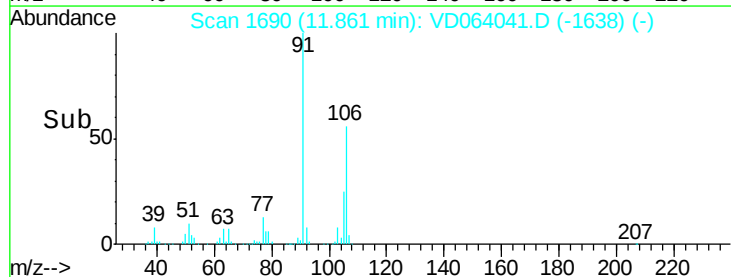
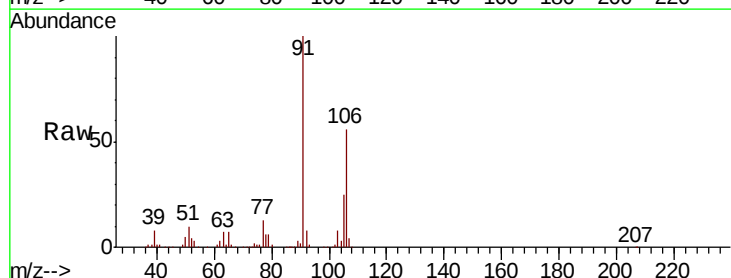
Manual Integrations
APPROVED

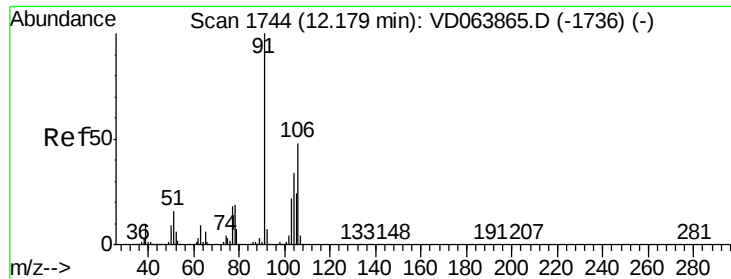
MMDadoda
10/25/2019 4:48:12 PM



#68
m/p-Xylenes
Concen: 47.389 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 106 Resp: 153709
Ion Ratio Lower Upper
106 100
91 186.8 154.8 232.2





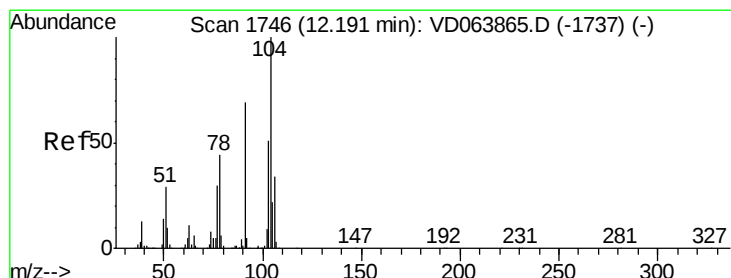
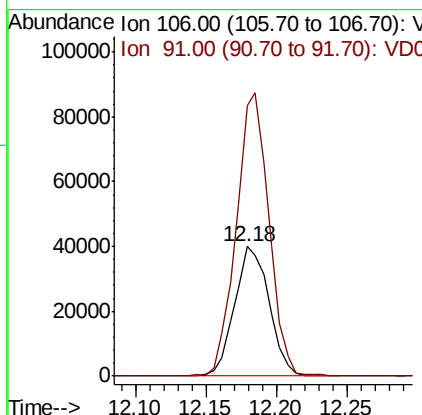
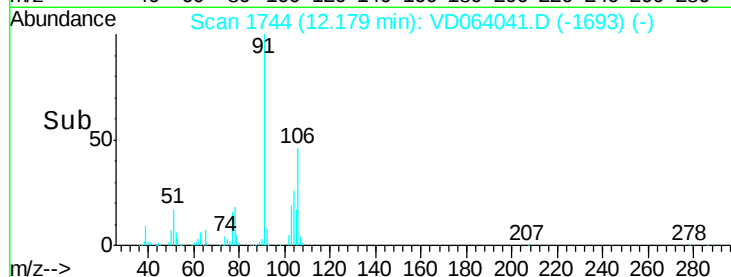
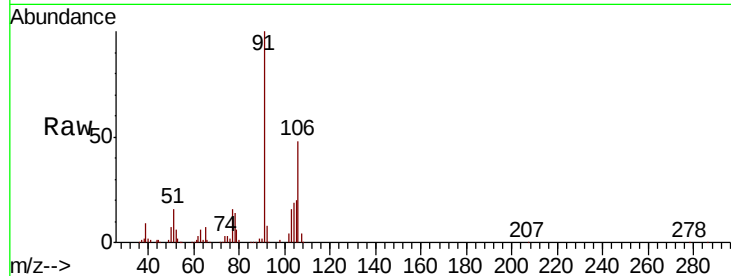
#69
o-Xylene
Concen: 22.064 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion:106 Resp: 68527
Ion Ratio Lower Upper
106 100
91 206.1 103.9 311.7

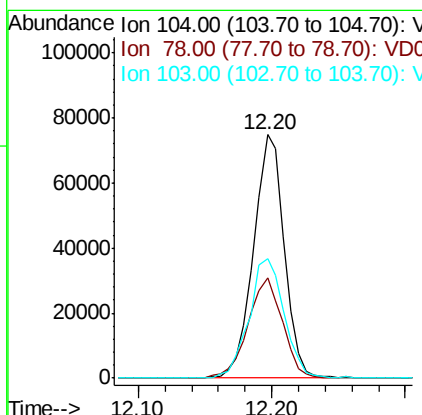
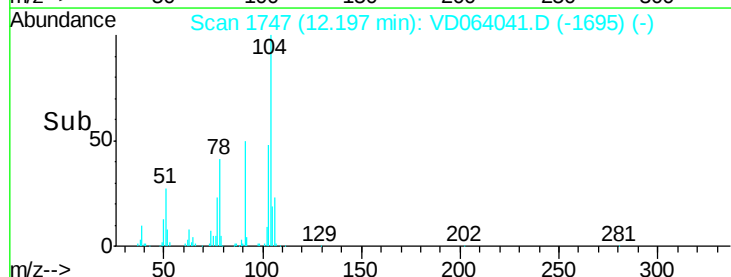
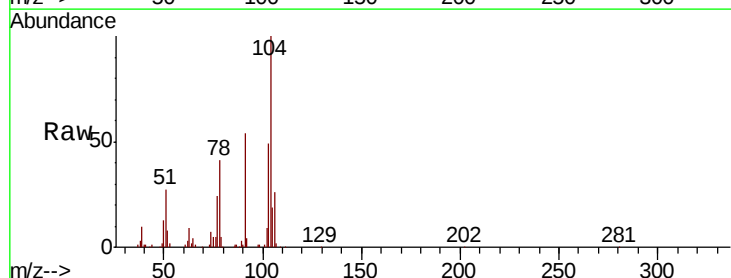
Manual Integrations
APPROVED

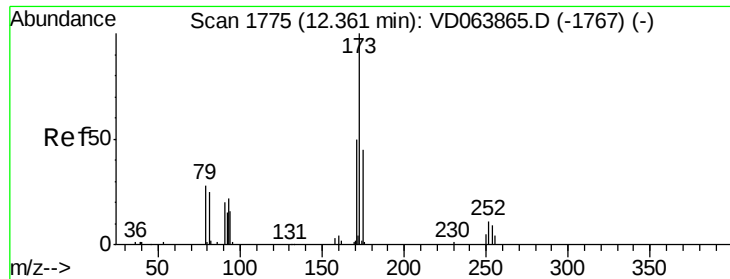
MMDadoda
10/25/2019 4:48:12 PM



#70
Styrene
Concen: 22.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion:104 Resp: 118337
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 56.2 44.2 66.4





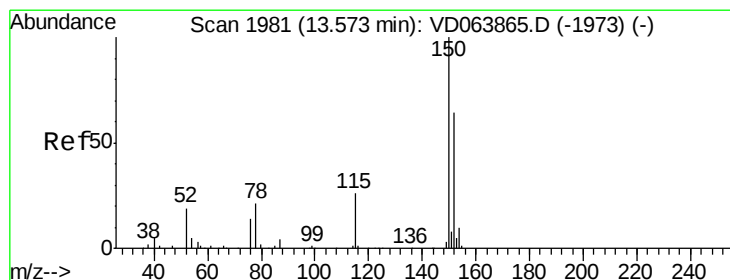
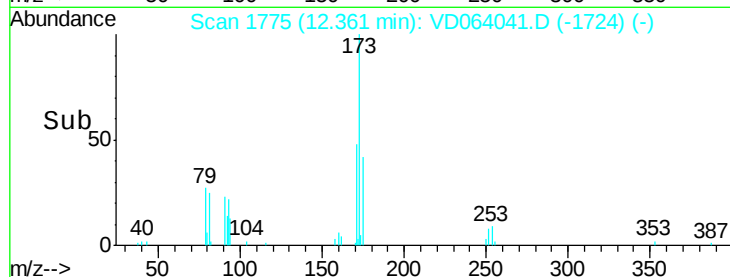
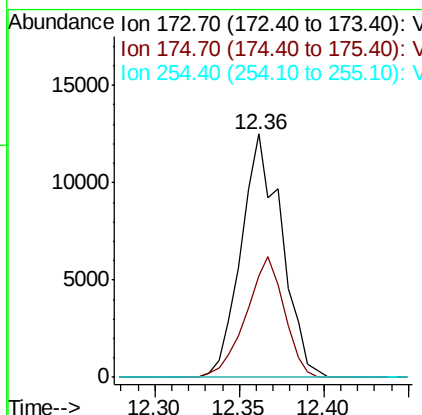
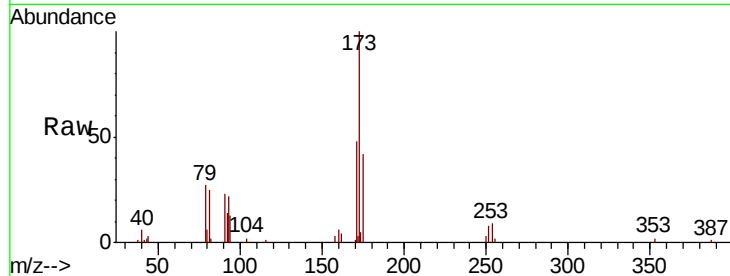
#71
Bromoform
Concen: 22.662 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.6	74.0
254	0.0	0.0	0.0

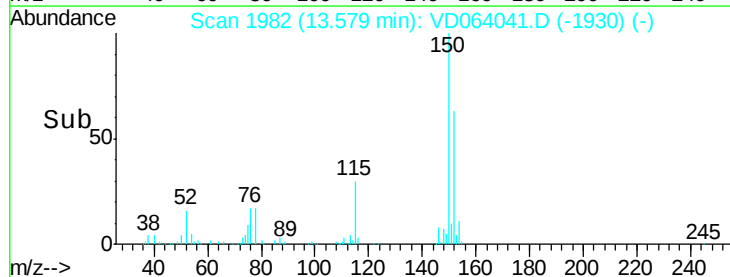
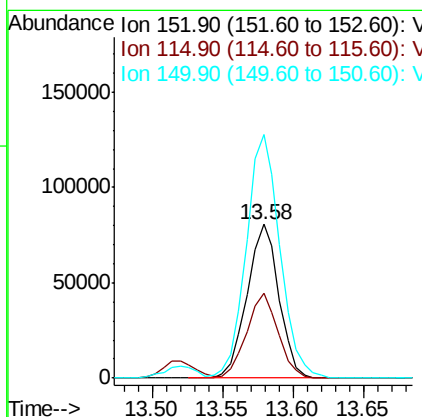
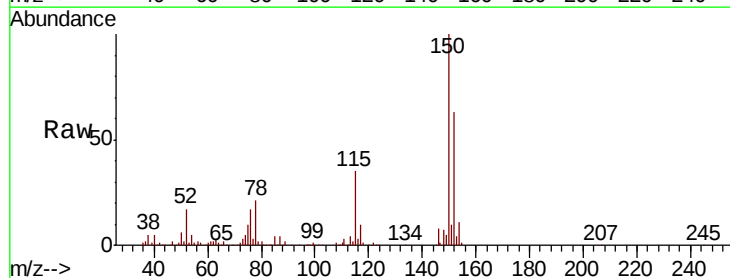
Manual Integrations
APPROVED

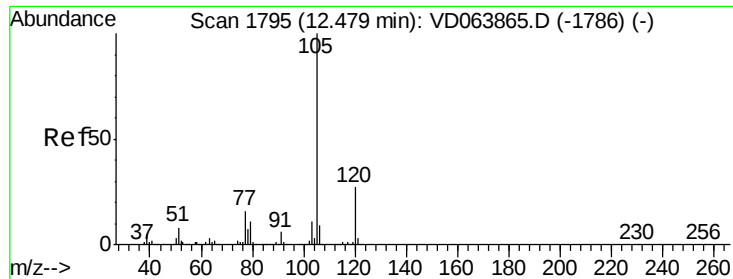
MMDadoda
10/25/2019 4:48:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	25.9	77.7
150	167.1	0.0	344.2





#73

Isopropylbenzene

Concen: 21.661 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 105 Resp: 186565

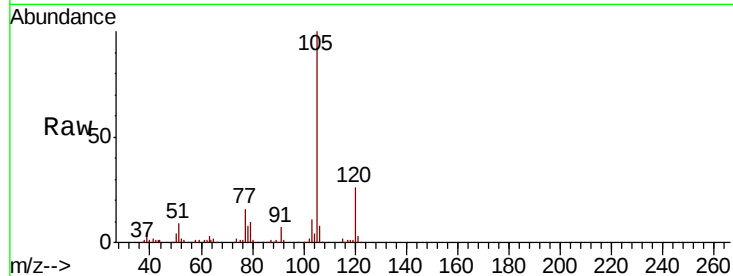
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

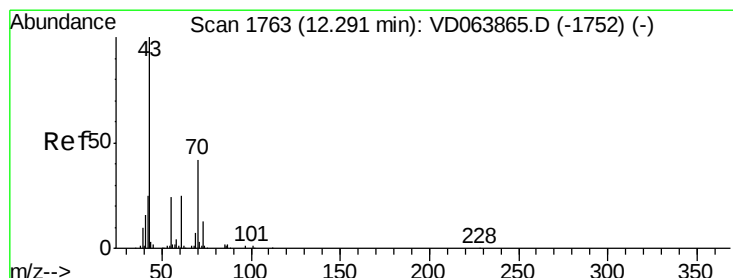
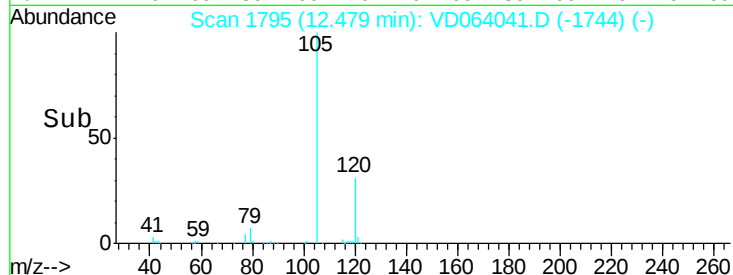
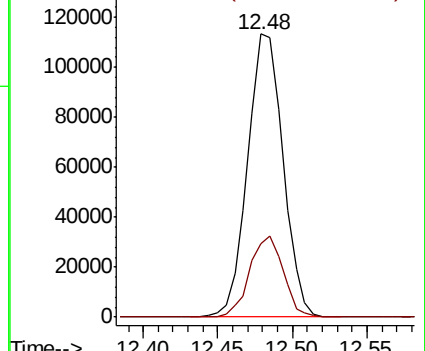
Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 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: 19.821 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion: 43 Resp: 36756

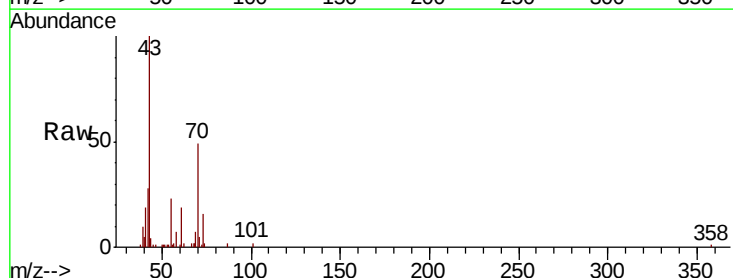
Ion Ratio Lower Upper

43 100

70 47.9 35.8 53.6

55 24.3 19.4 29.0

61 24.6 20.4 30.6

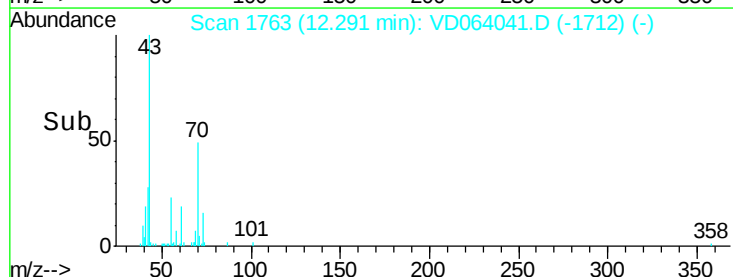
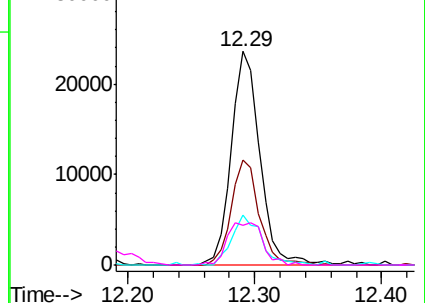


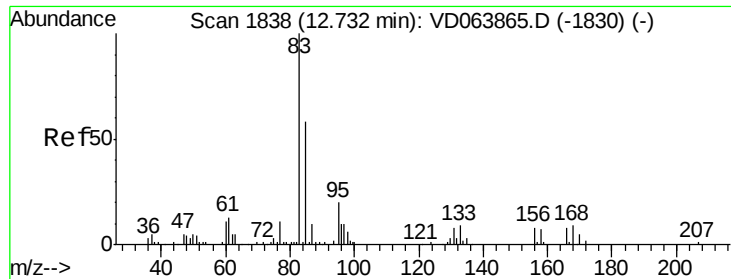
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.968 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

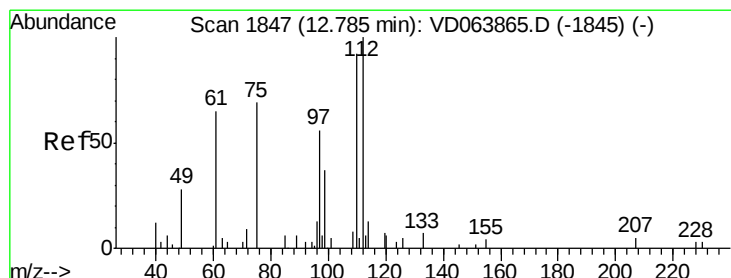
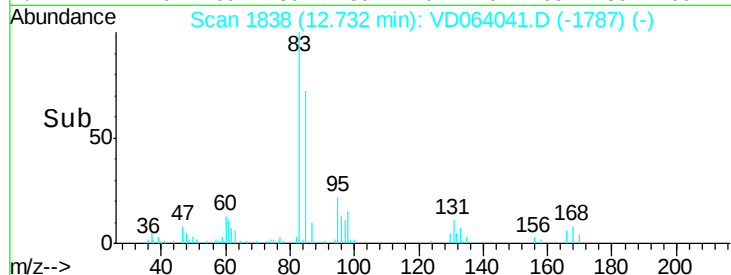
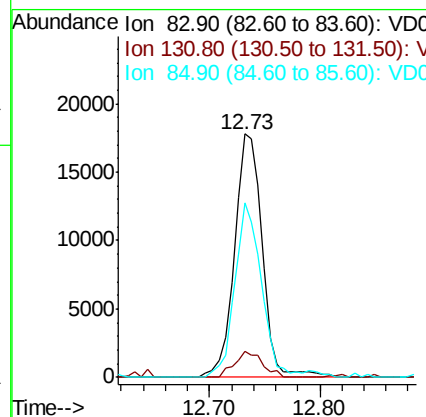
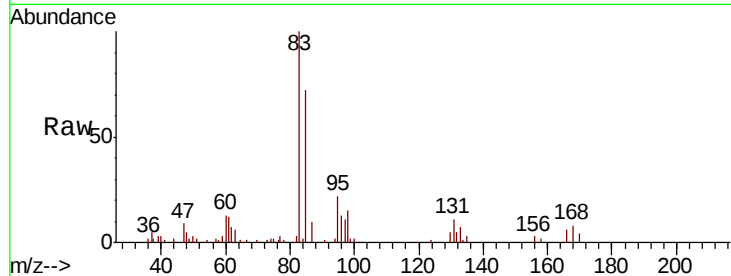
ClientSampleId :

VD1024SBSD01

Tot Ion:	83	Resp:	31427
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	68.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#76

1,2,3-Trichloropropane

Concen: 20.252 ug/l m

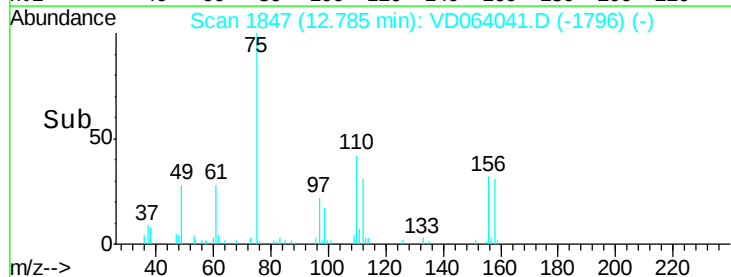
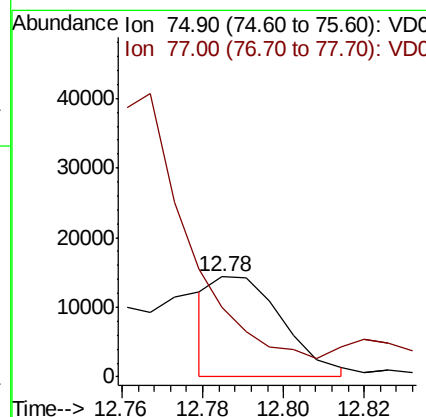
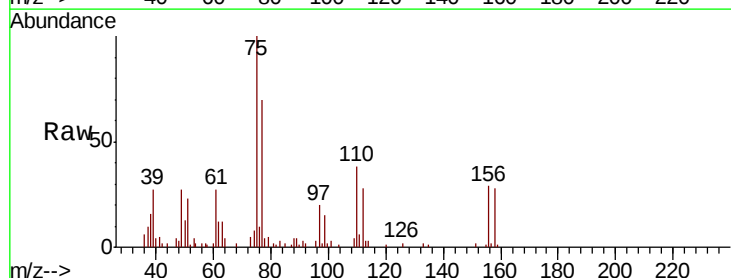
RT: 12.78 min Scan# 1847

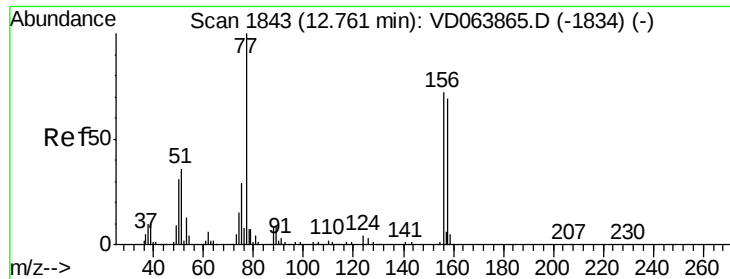
Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion:	75	Resp:	17379
Ion	Ratio	Lower	Upper
75	100		
77	430.9	0.0	0.0#





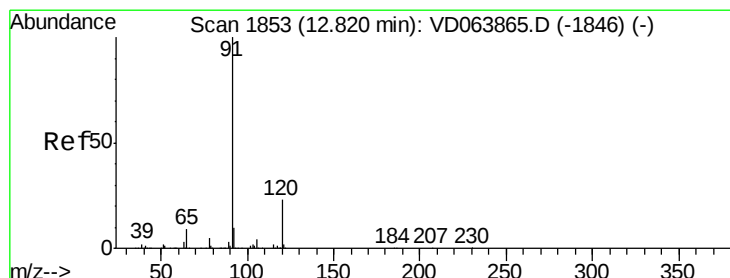
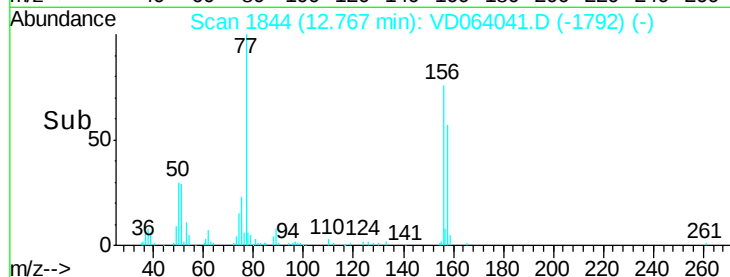
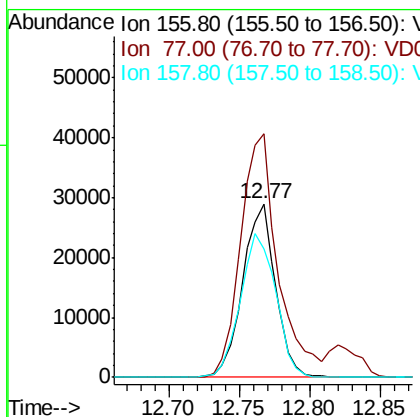
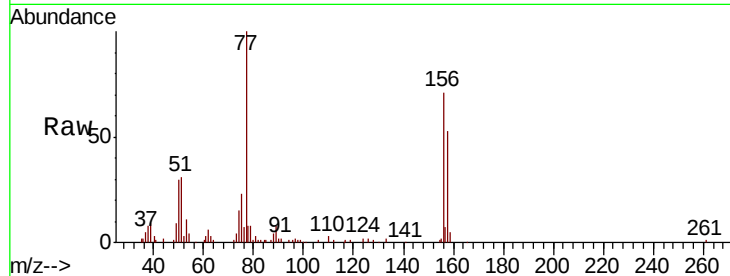
#77
Bromobenzene
Concen: 21.868 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	159.6	80.3	241.0	
158	90.1	47.4	142.2	

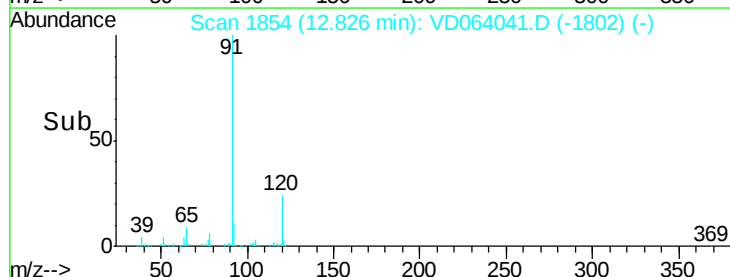
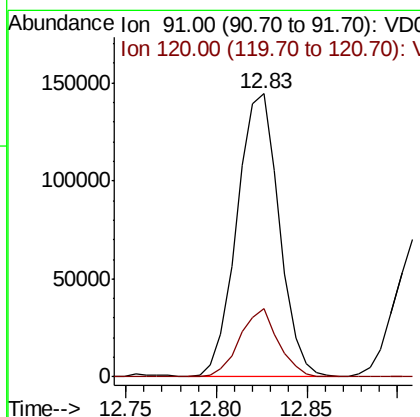
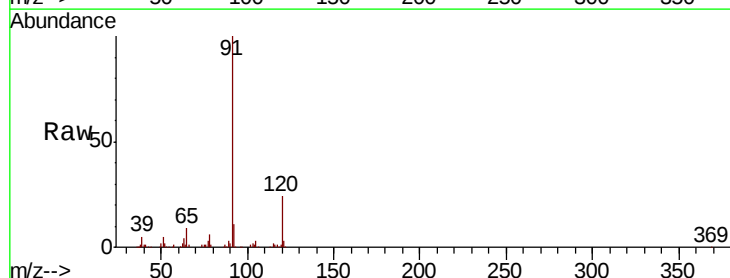
Manual Integrations
APPROVED

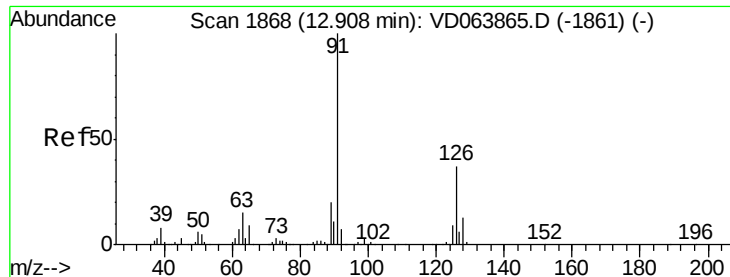
MMDadoda
10/25/2019 4:48:12 PM



#78
n-propylbenzene
Concen: 23.068 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	12.0	36.0	





#79

2-Chlorotoluene

Concen: 21.555 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 91 Resp: 120161

Ion Ratio Lower Upper

91 100

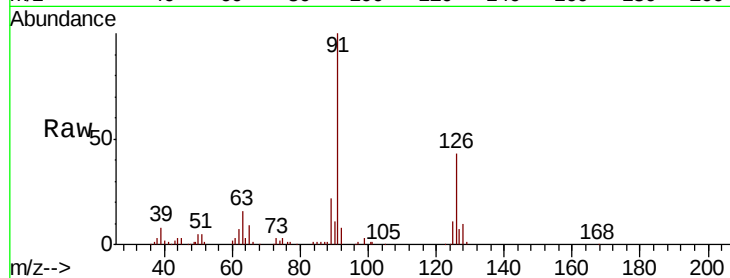
126 38.6 18.4 55.2

Manual Integrations

APPROVED

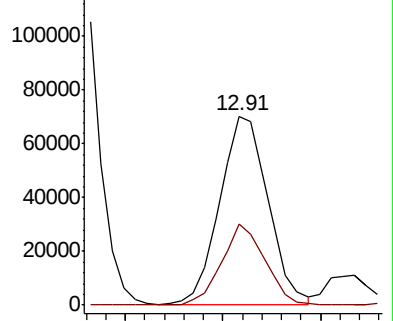
MMDadoda

10/25/2019 4:48:12 PM

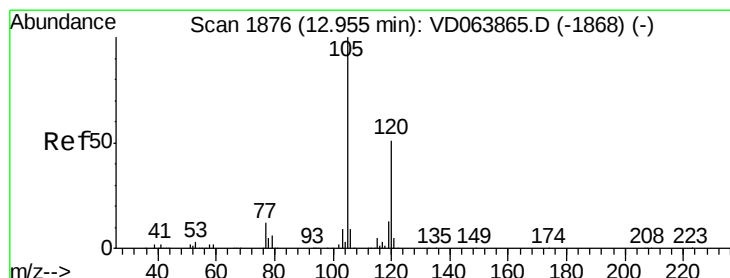
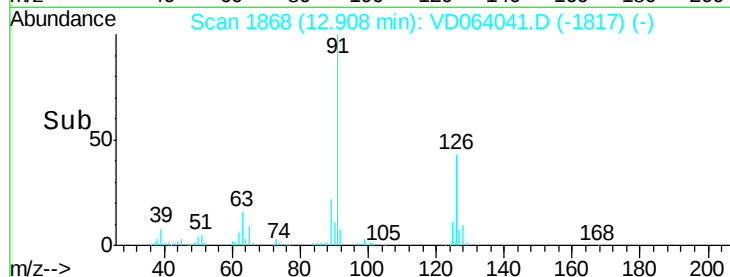


Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1861) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.185 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064041.D

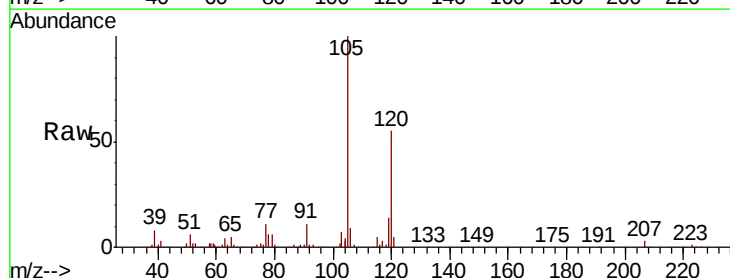
Acq: 24 Oct 2019 12:33

Tgt Ion:105 Resp: 159412

Ion Ratio Lower Upper

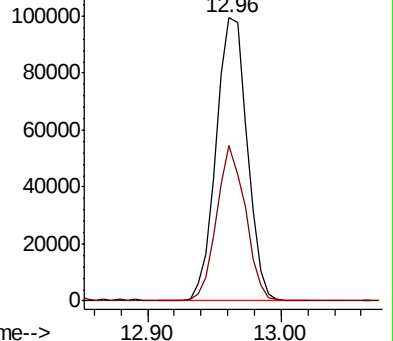
105 100

120 50.7 25.9 77.8

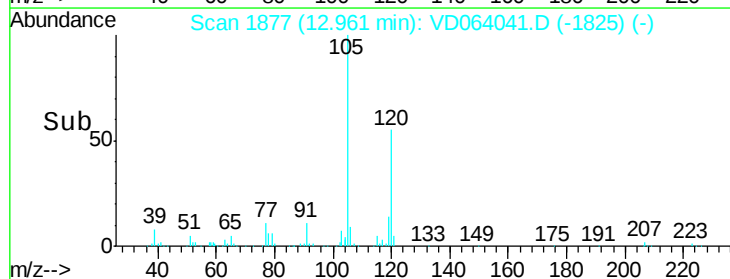


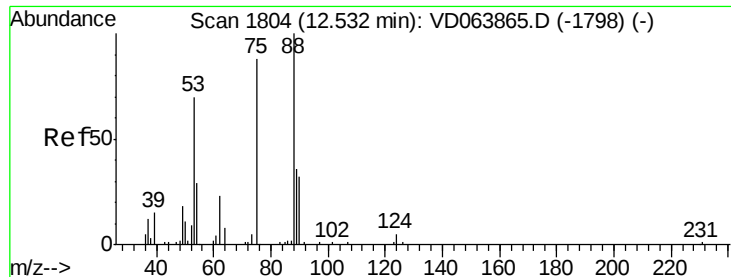
Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD063865.D (-1868) (-)



Time-->





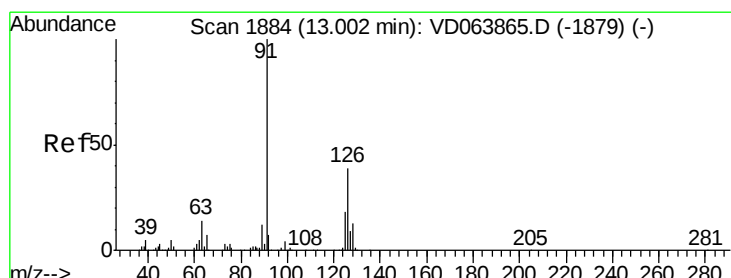
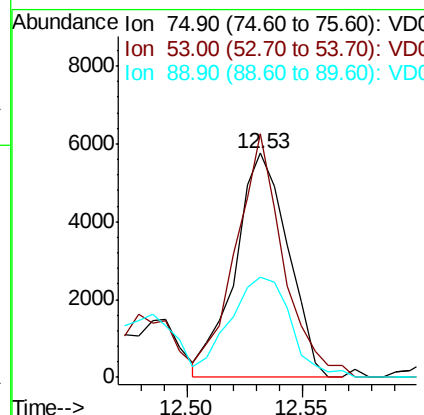
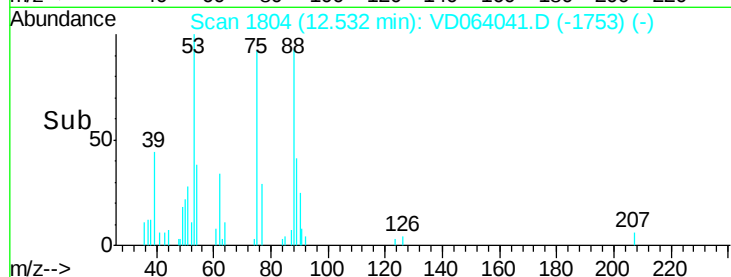
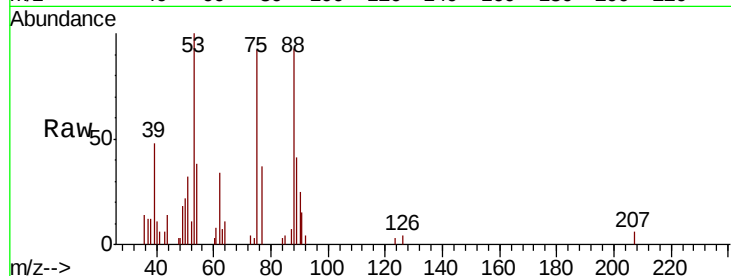
#81
trans-1,4-Dichloro-2-butene
Concen: 18.925 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	75.0	112.6
89	52.0	38.2	57.4

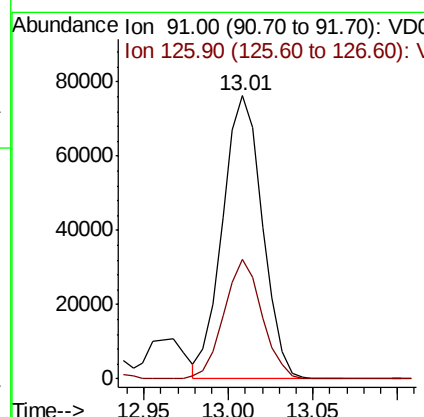
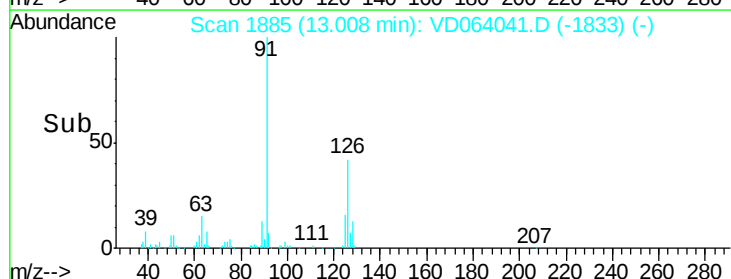
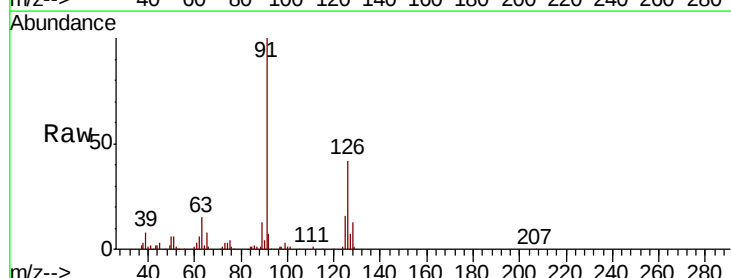
Manual Integrations
APPROVED

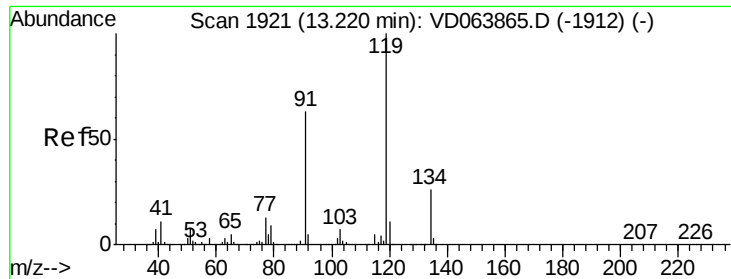
MMDadoda
10/25/2019 4:48:12 PM



#82
4-Chlorotoluene
Concen: 21.187 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.1	18.6	55.8





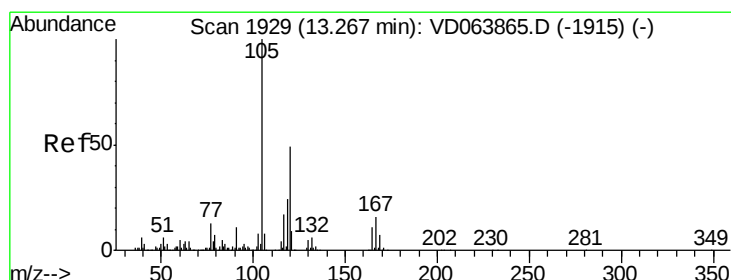
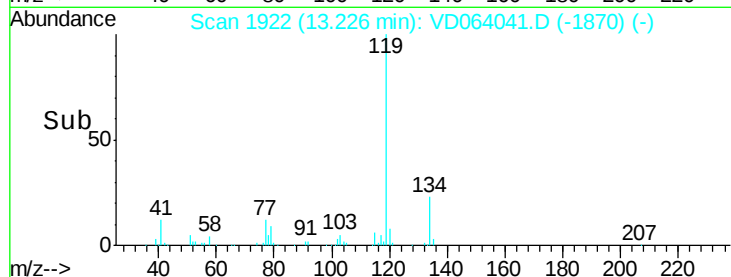
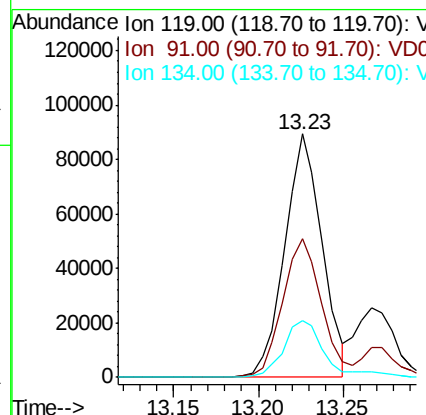
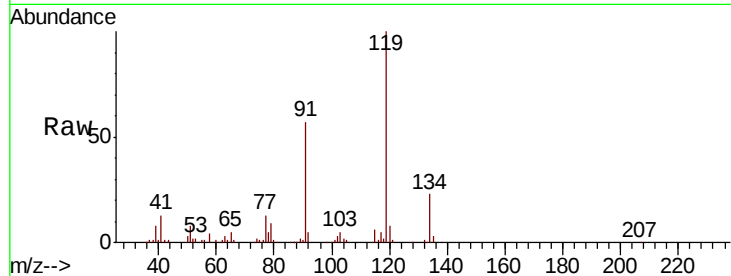
#83
tert-Butylbenzene
Concen: 21.405 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.0	90.0
134	24.0	13.0	38.9

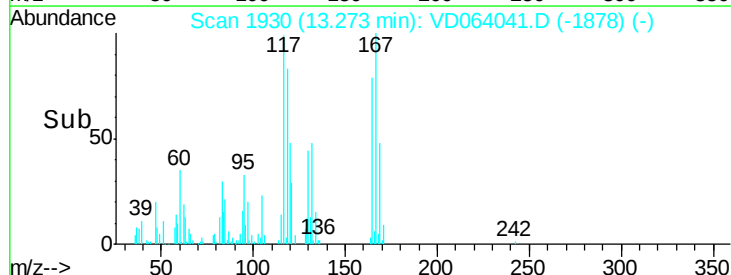
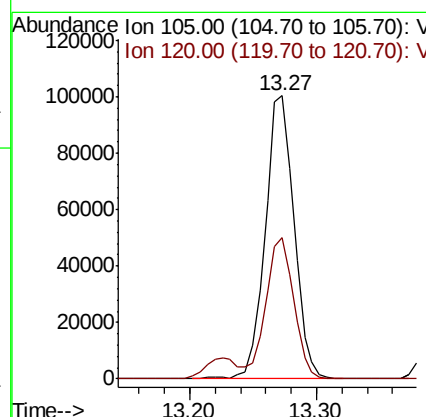
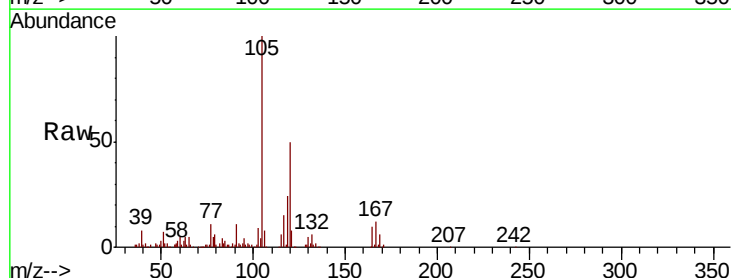
Manual Integrations
APPROVED

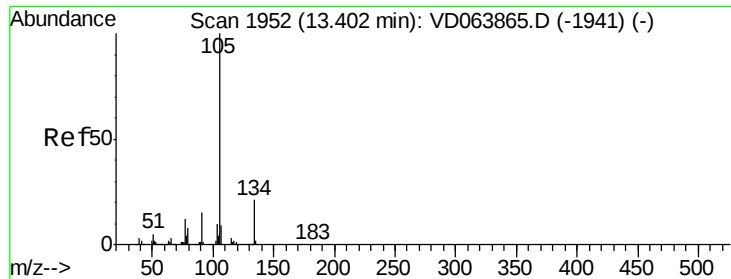
MMDadoda
10/25/2019 4:48:12 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.463 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5





#85

sec-Butylbenzene

Concen: 22.542 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:105 Resp: 194681

Ion Ratio Lower Upper

105 100

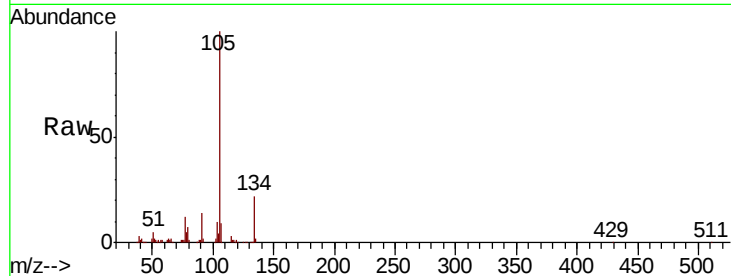
134 21.5 10.6 31.8

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:48:12 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

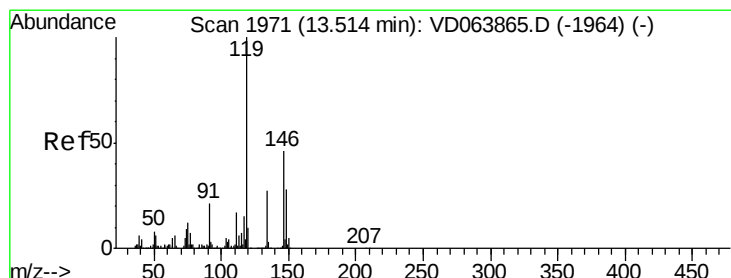
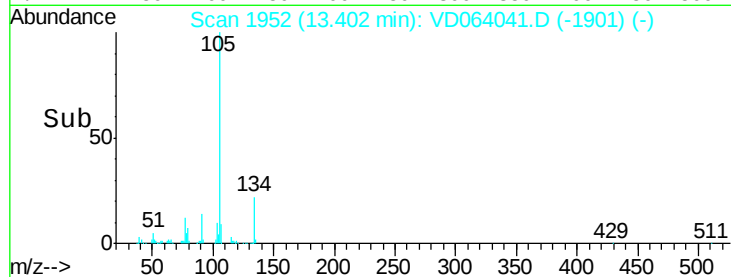
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.080 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

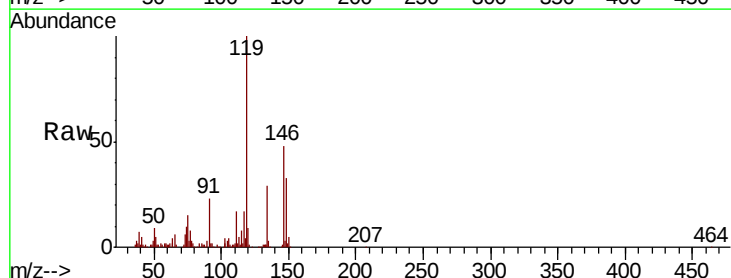
Tgt Ion:119 Resp: 180445

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

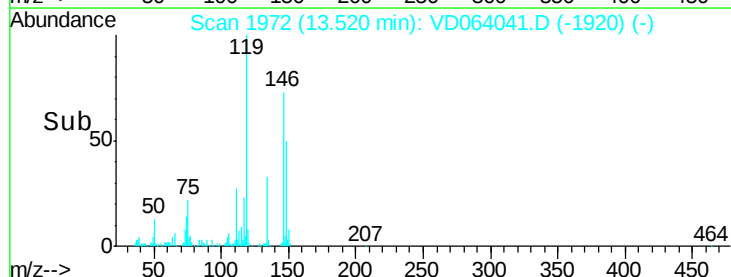
150000

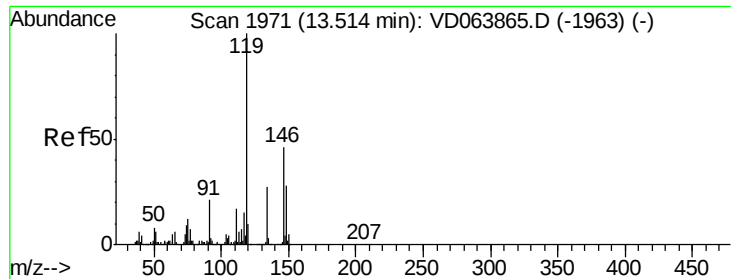
100000

50000

0

Time-->





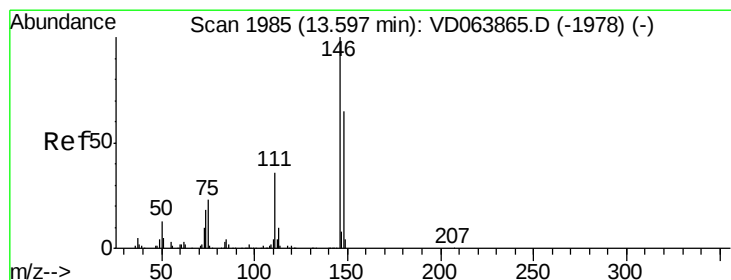
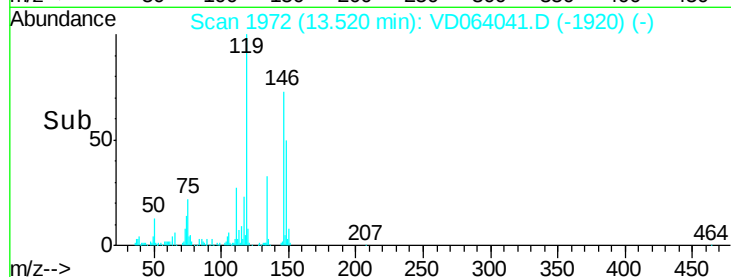
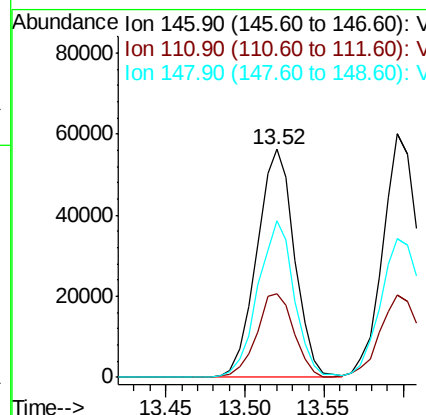
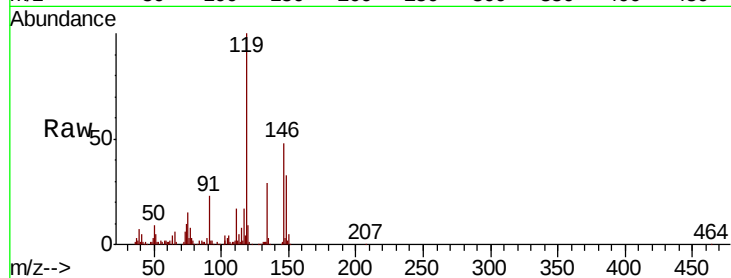
#87
 1,3-Dichlorobenzene
 Concen: 21.962 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	66.2	31.8	95.4

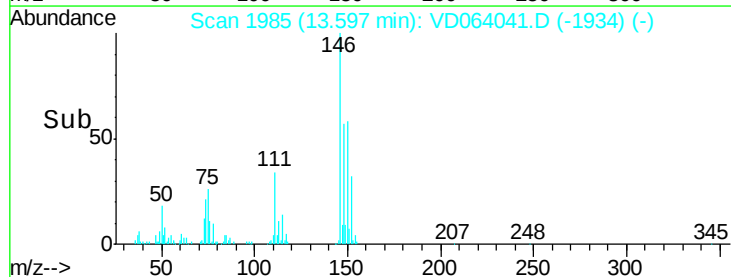
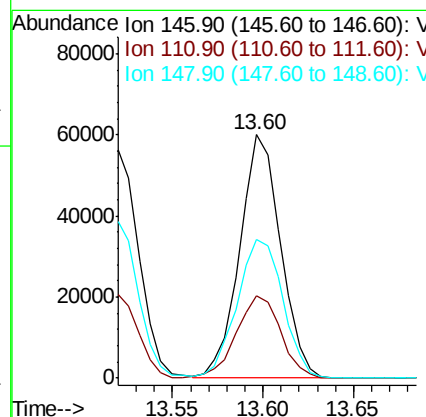
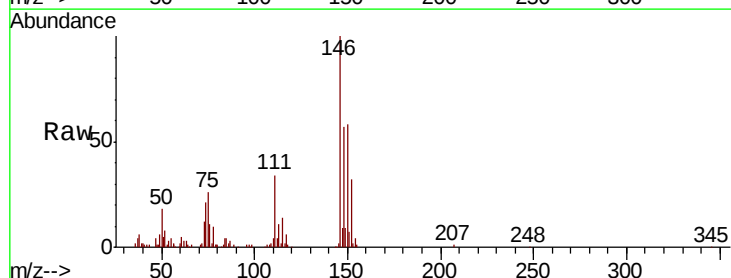
Manual Integrations
 APPROVED

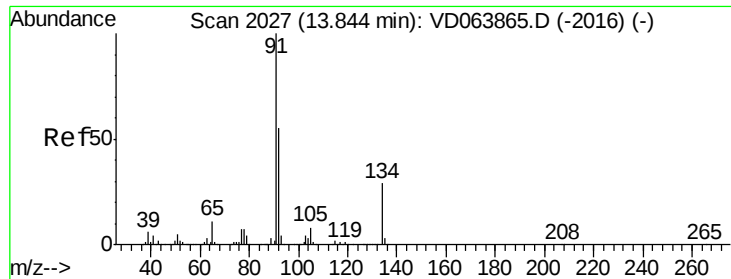
MMDadoda
 10/25/2019 4:48:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.479 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	56.0
148	64.2	32.6	98.0





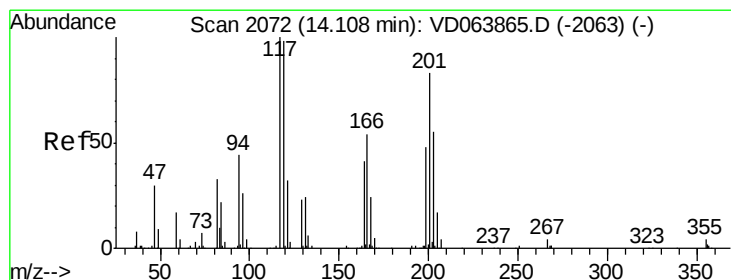
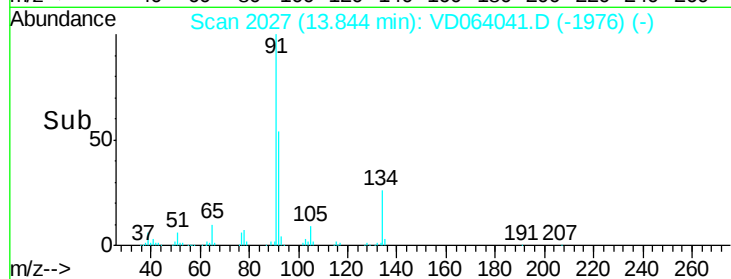
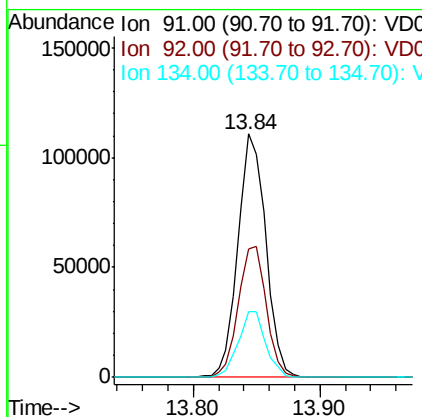
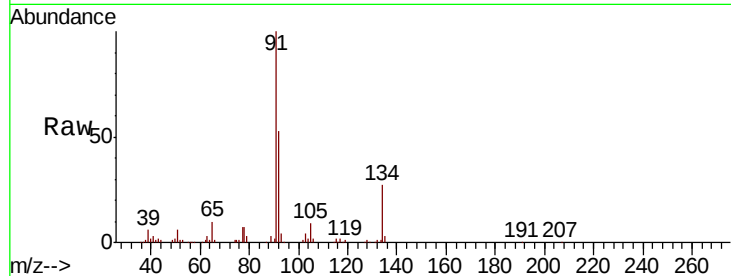
#89
n-Butylbenzene
Concen: 22.141 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	168425		
92	54.0	26.8	80.3	
134	26.2	14.4	43.0	

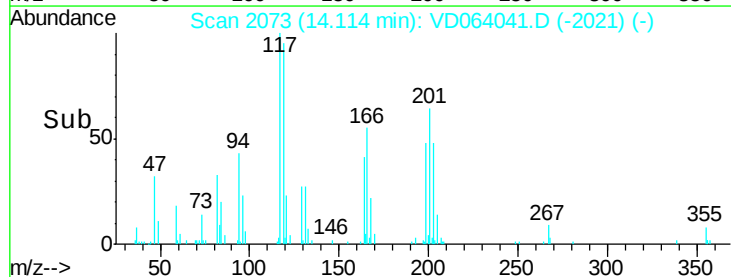
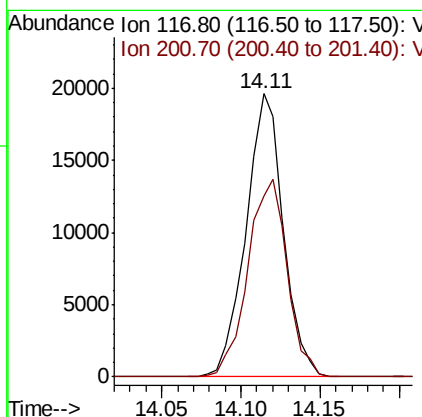
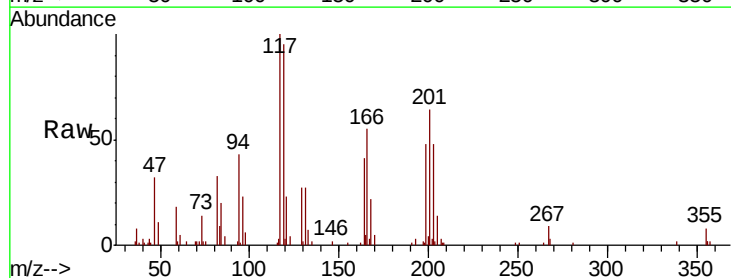
Manual Integrations
APPROVED

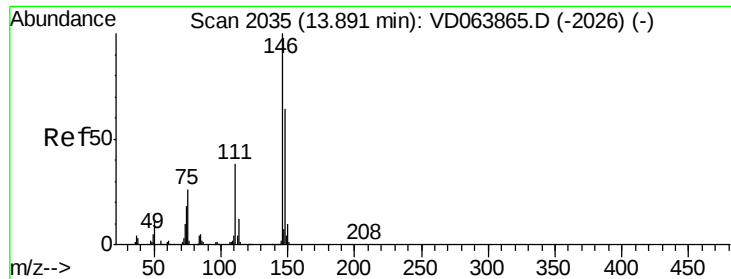
MMDadoda
10/25/2019 4:48:12 PM



#90
Hexachloroethane
Concen: 21.850 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32115		
201	73.7	40.6	121.7	





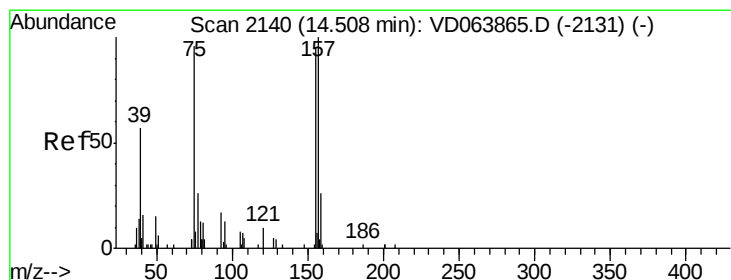
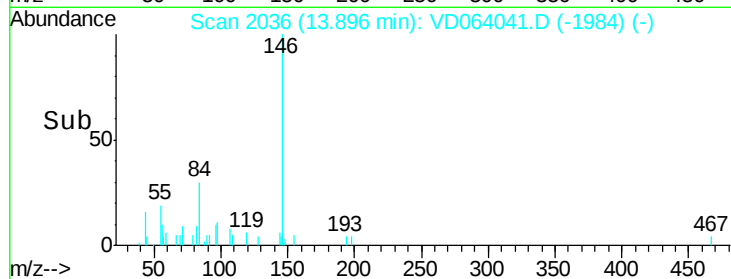
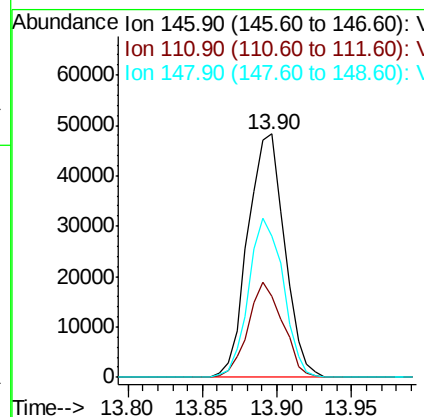
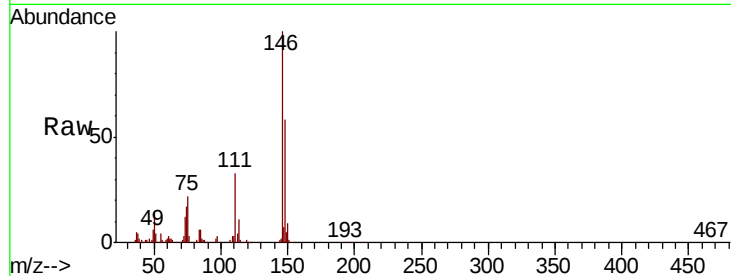
#91
 1,2-Dichlorobenzene
 Concen: 22.452 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	61.9	31.6	95.0

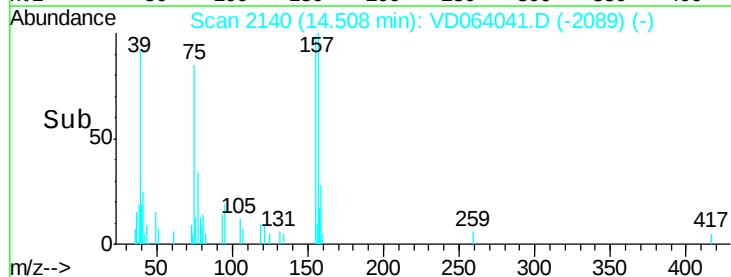
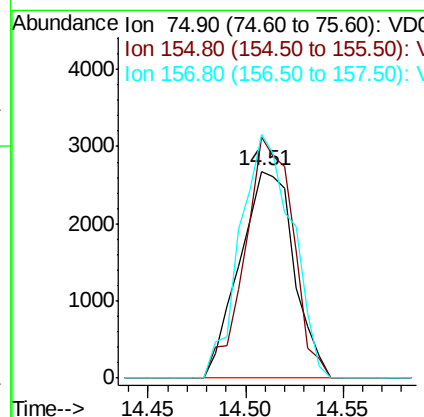
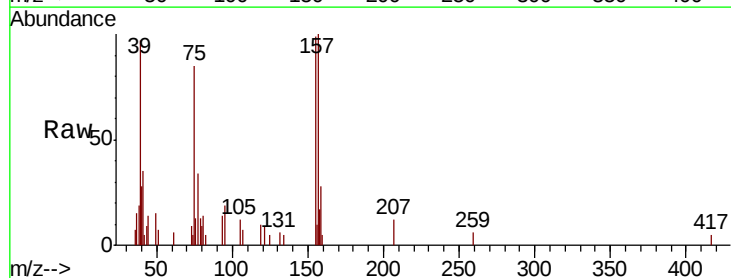
Manual Integrations
 APPROVED

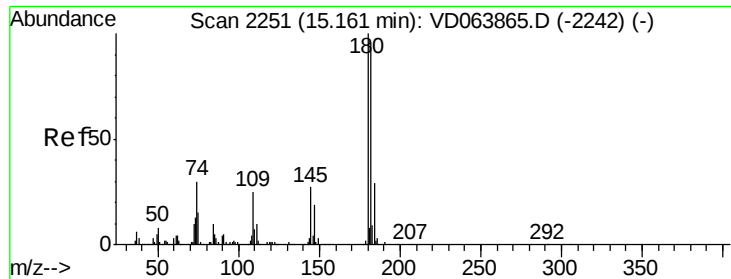
MMDadoda
 10/25/2019 4:48:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.755 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	43.9	131.6
157	112.8	56.0	167.9





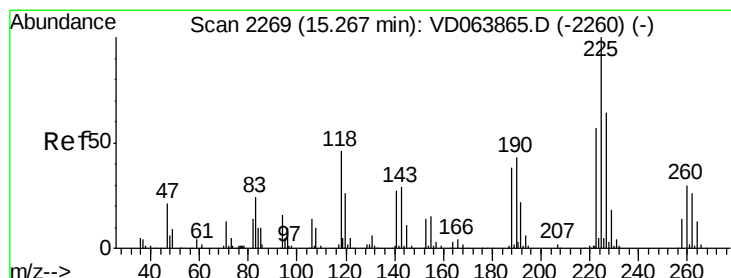
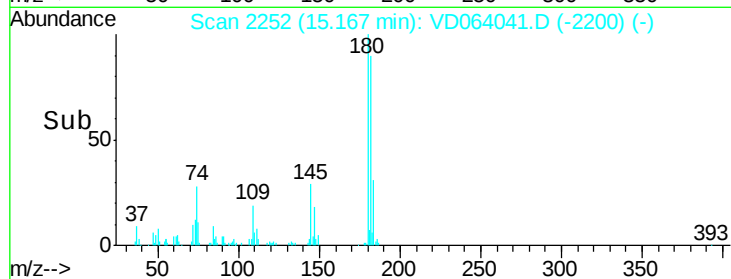
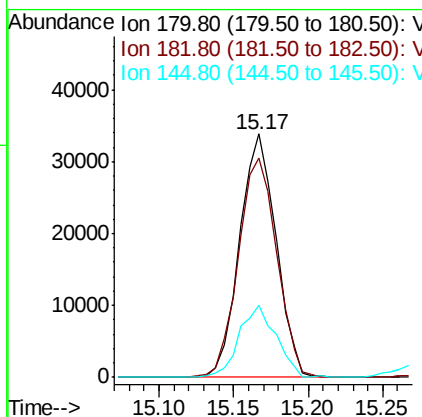
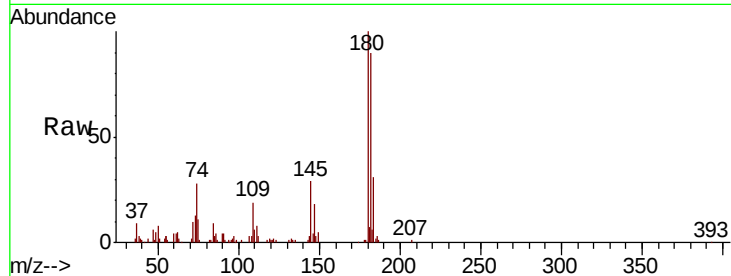
#93
 1,2,4-Trichlorobenzene
 Concen: 20.302 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57239		
182	95.1		47.4	142.3
145	29.6		13.9	41.7

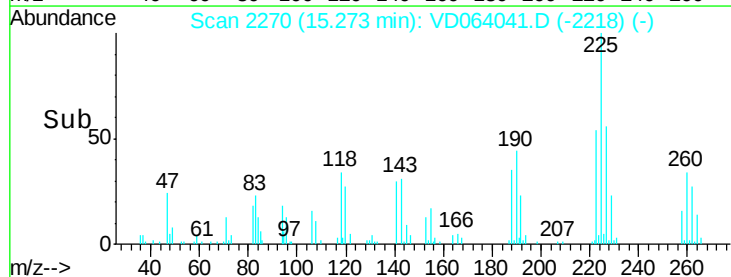
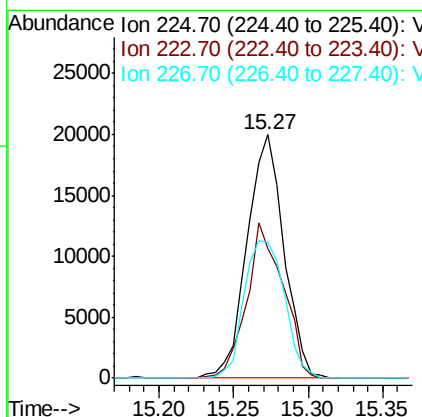
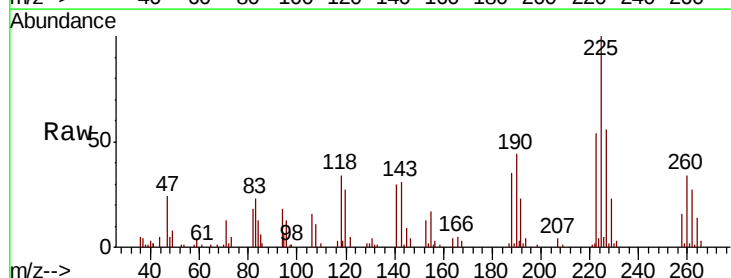
Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:48:12 PM



#94
 Hexachlorobutadiene
 Concen: 21.855 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34003		
223	63.3		29.5	88.6
227	62.0		30.8	92.4





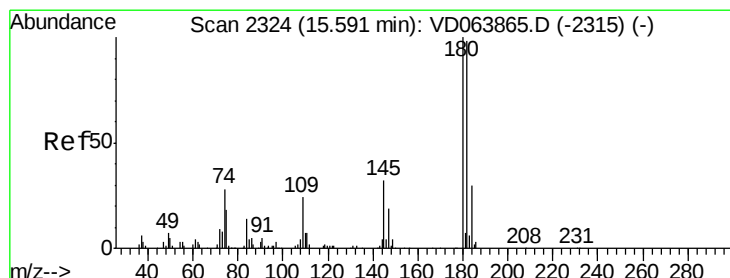
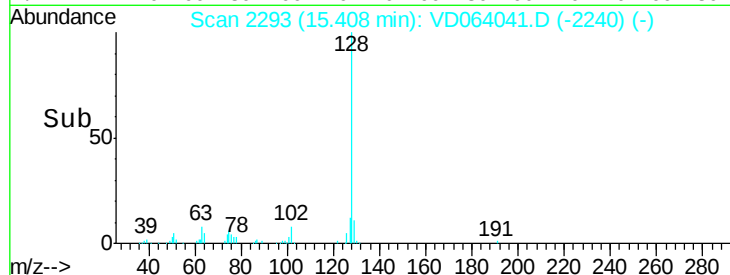
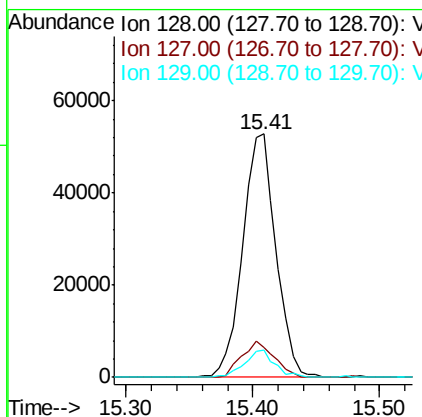
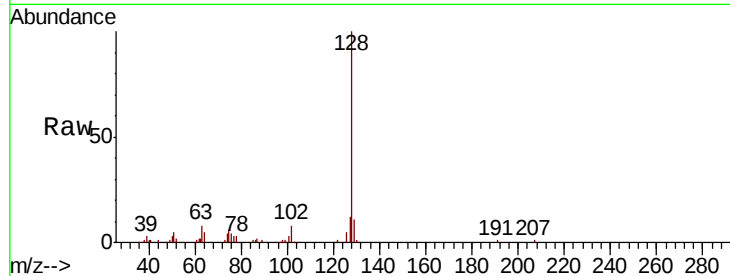
#95
Naphthalene
Concen: 20.191 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.980 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	30.6	15.3	45.9

