

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064154.D
 Acq On : 08 Nov 2019 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:34 AM

Quant Time: Nov 11 08:24:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	1036804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1449836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1228880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	584101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	36705	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
35) Dibromofluoromethane	7.92	113	36887	4.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.30%	
50) Toluene-d8	10.34	98	130197	3.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.36%	
62) 4-Bromofluorobenzene	12.64	95	51398	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	45456	4.406	ug/l	91
3) Chloromethane	2.21	50	47656	2.916	ug/l	97
4) Vinyl Chloride	2.36	62	48237	2.733	ug/l	94
5) Bromomethane	2.77	94	30742	2.692	ug/l	92
6) Chloroethane	2.93	64	31205	2.834	ug/l	97
7) Trichlorofluoromethane	3.28	101	80132	3.245	ug/l	95
8) Diethyl Ether	3.71	74	21835	4.738	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47334	4.996	ug/l	95
10) Methyl Iodide	4.30	142	28963	2.517	ug/l #	91
11) Tert butyl alcohol	5.24	59	14275m	30.540	ug/l	
12) 1,1-Dichloroethene	4.06	96	41840	4.634	ug/l	98
13) Acrolein	3.92	56	11393	21.222	ug/l #	69
14) Allyl chloride	4.71	41	77313	6.749	ug/l	99
15) Acrylonitrile	5.43	53	45201	26.190	ug/l	99
16) Acetone	4.16	43	53153	32.501	ug/l	97
17) Carbon Disulfide	4.40	76	131917	4.750	ug/l	98
18) Methyl Acetate	4.73	43	32549	7.352	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	101157	5.373	ug/l	98
20) Methylene Chloride	4.96	84	59901	5.369	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	50741	5.015	ug/l	91
22) Diisopropyl ether	6.37	45	140904	5.793	ug/l	98
23) Vinyl Acetate	6.31	43	345707	25.835	ug/l	97
24) 1,1-Dichloroethane	6.27	63	83029	5.187	ug/l	100
25) 2-Butanone	7.23	43	63600	28.330	ug/l	94
26) 2,2-Dichloropropane	7.21	77	82600	5.413	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51362	4.571	ug/l	97
28) Bromochloromethane	7.55	49	31885	5.540	ug/l	95
29) Tetrahydrofuran	7.57	42	36950	27.977	ug/l	96
30) Chloroform	7.71	83	84260	4.678	ug/l	97
31) Cyclohexane	7.98	56	95275	6.081	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	83260	4.957	ug/l	99
36) 1,1-Dichloropropene	8.11	75	66737	4.883	ug/l	96
37) Ethyl Acetate	7.30	43	28036	6.352	ug/l #	90
38) Carbon Tetrachloride	8.09	117	69406	4.694	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064154.D
 Acq On : 08 Nov 2019 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:34 AM

Quant Time: Nov 11 08:24:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86639	5.217	ug/l	98
40) Benzene	8.36	78	181203	4.886	ug/l	99
41) Methacrylonitrile	7.53	41	17939	6.787	ug/l	94
42) 1,2-Dichloroethane	8.43	62	53955	5.417	ug/l	97
43) Isopropyl Acetate	8.46	43	55916	6.202	ug/l	99
44) Trichloroethene	9.11	130	55649	4.974	ug/l	86
45) 1,2-Dichloropropane	9.39	63	44264	5.096	ug/l	99
46) Dibromomethane	9.48	93	23696	4.647	ug/l	98
47) Bromodichloromethane	9.66	83	63300	4.877	ug/l	100
48) Methyl methacrylate	9.46	41	30342	7.252	ug/l	89
49) 1,4-Dioxane	9.47	88	5923	102.876	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	134756	28.448	ug/l	100
52) Toluene	10.41	92	118227	4.616	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	62329	5.105	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	73144	5.076	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31915	4.454	ug/l	95
56) Ethyl methacrylate	10.66	69	43896	5.436	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53543	4.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	98579	29.895	ug/l	99
59) 2-Hexanone	10.99	43	94940	28.290	ug/l	96
60) Dibromochloromethane	11.14	129	44790	4.595	ug/l	96
61) 1,2-Dibromoethane	11.25	107	31781	4.449	ug/l	100
64) Tetrachloroethene	10.88	164	47066	5.235	ug/l	97
65) Chlorobenzene	11.67	112	126638	4.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	47293	4.960	ug/l	98
67) Ethyl Benzene	11.75	91	230230	5.084	ug/l	100
68) m/p-Xylenes	11.86	106	171991	9.528	ug/l	98
69) o-Xylene	12.18	106	79743	4.833	ug/l	99
70) Styrene	12.20	104	138083	4.864	ug/l	99
71) Bromoform	12.36	173	25721	4.992	ug/l #	100
73) Isopropylbenzene	12.48	105	221267	5.354	ug/l	99
74) N-amyl acetate	12.29	43	51316	7.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	31890	4.923	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18645m	4.605	ug/l	
77) Bromobenzene	12.76	156	52618	5.255	ug/l	98
78) n-propylbenzene	12.83	91	256013	5.307	ug/l	99
79) 2-Chlorotoluene	12.91	91	142494	5.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	181257	5.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	11419	5.691	ug/l	93
82) 4-Chlorotoluene	13.01	91	147676	5.330	ug/l	99
83) tert-Butylbenzene	13.23	119	162147	5.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	176316	5.120	ug/l	98
85) sec-Butylbenzene	13.41	105	214755	5.114	ug/l	99
86) p-Isopropyltoluene	13.52	119	203417	5.159	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	98061	4.986	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95840	4.916	ug/l	92
89) n-Butylbenzene	13.85	91	181021	4.989	ug/l	99
90) Hexachloroethane	14.11	117	37842	5.102	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79296	4.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5911	6.042	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
Data File : VD064154.D
Acq On : 08 Nov 2019 13:40
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

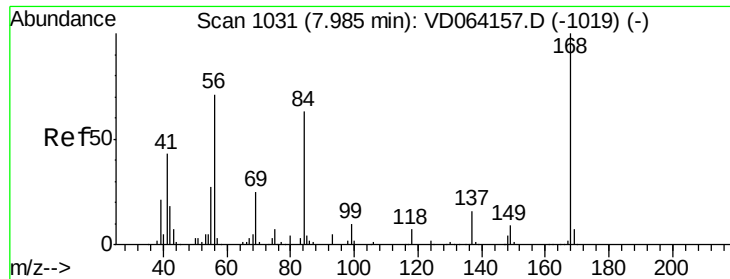
Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM

Quant Time: Nov 11 08:24:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 15:32:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63156	5.131	ug/l	97
94) Hexachlorobutadiene	15.28	225	42467	5.803	ug/l	97
95) Naphthalene	15.41	128	101161	5.058	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	54405	5.092	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 1036804

Ion Ratio Lower Upper

168 100

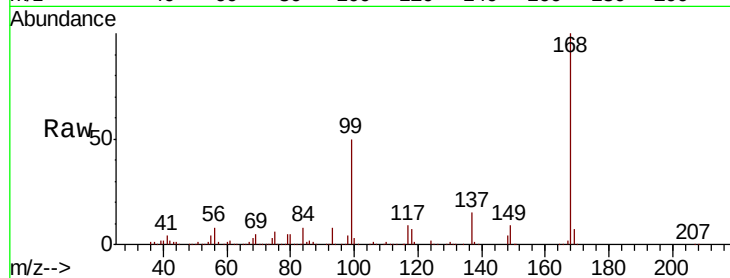
99 49.5 41.6 62.4

Manual Integrations

APPROVED

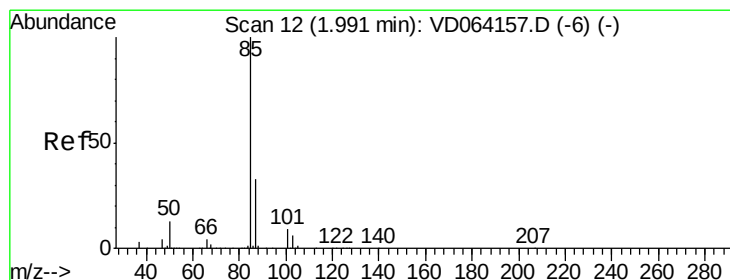
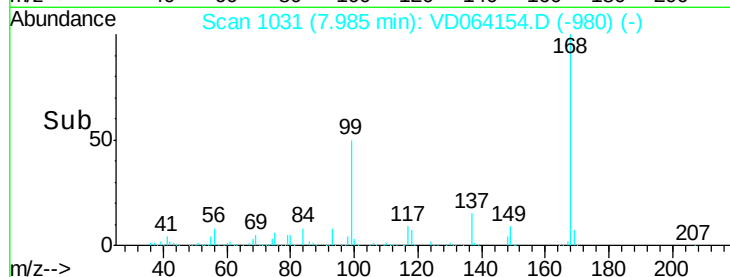
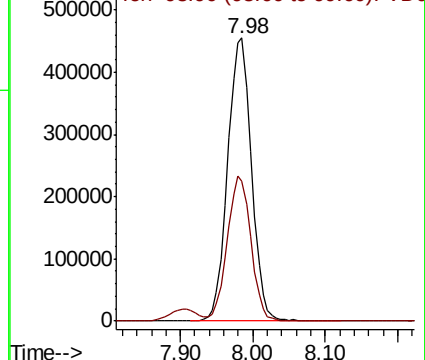
MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.406 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064154.D

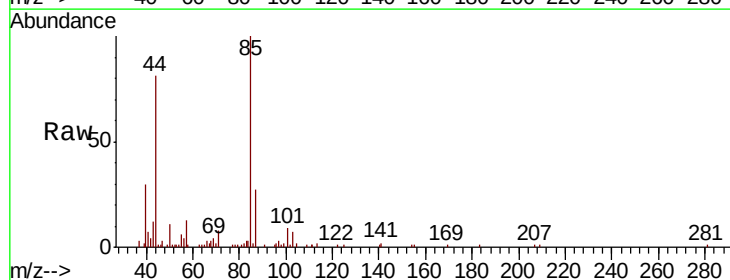
Acq: 08 Nov 2019 13:40

Tgt Ion: 85 Resp: 45456

Ion Ratio Lower Upper

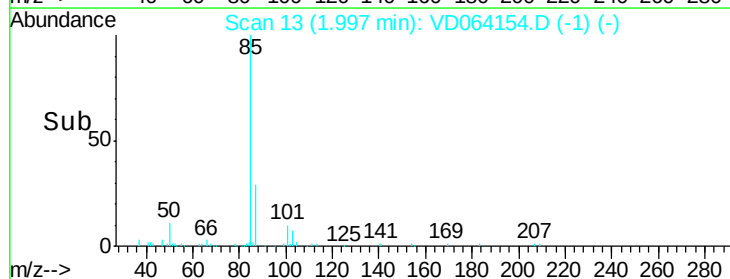
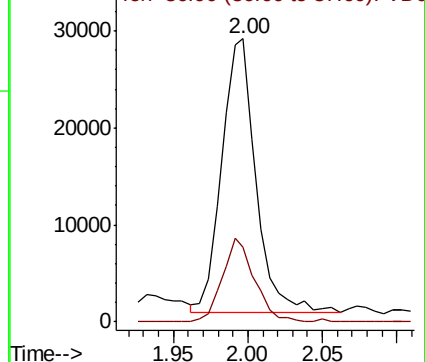
85 100

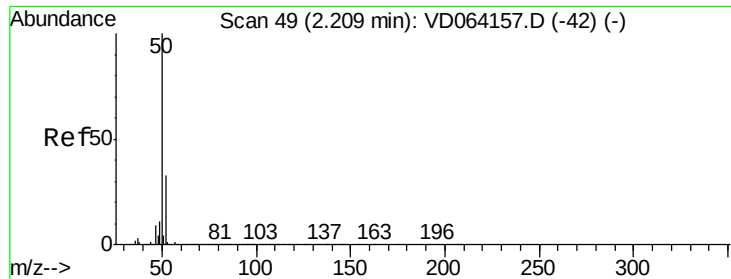
87 27.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 47656

Ion Ratio Lower Upper

50 100

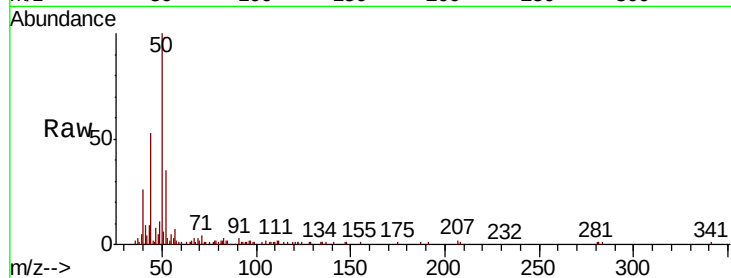
52 34.7 26.2 39.4

Manual Integrations

APPROVED

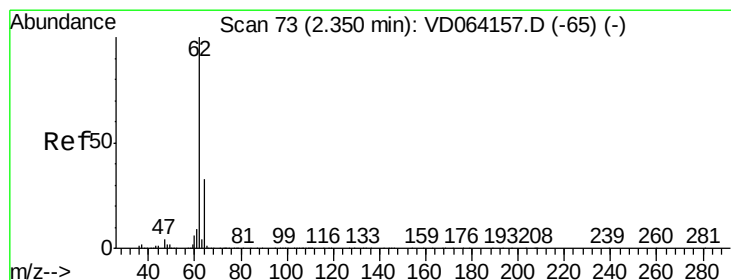
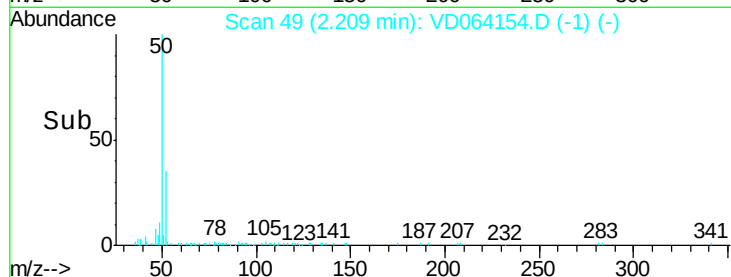
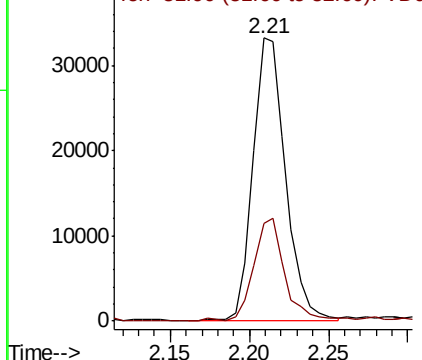
MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.733 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064154.D

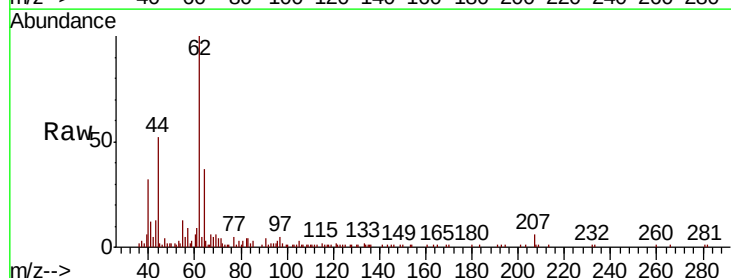
Acq: 08 Nov 2019 13:40

Tgt Ion: 62 Resp: 48237

Ion Ratio Lower Upper

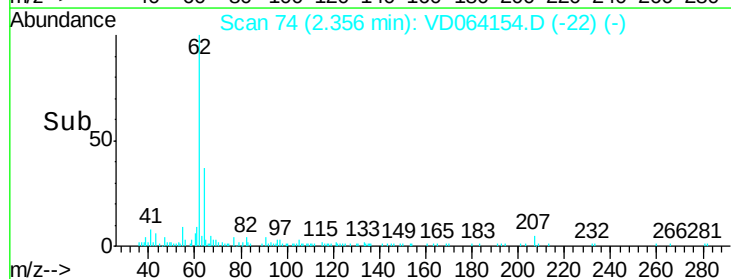
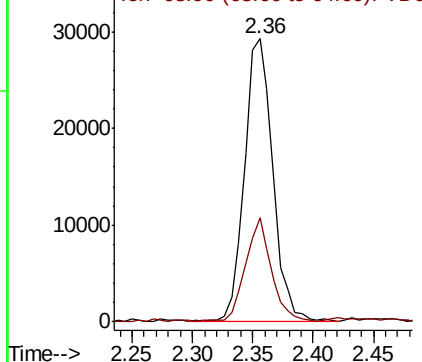
62 100

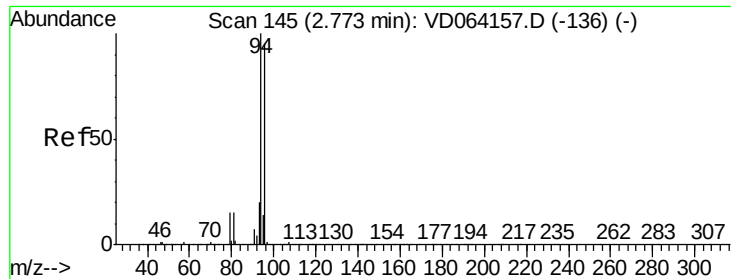
64 36.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 2.692 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 30742

Ion Ratio Lower Upper

94 100

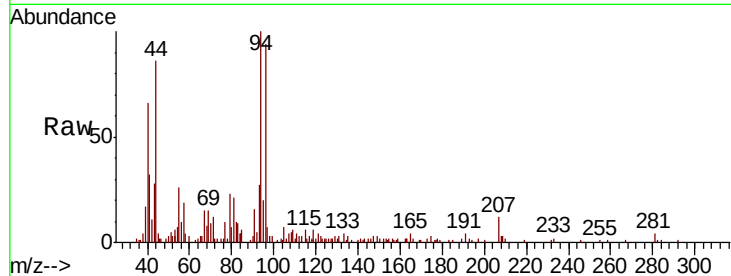
96 87.2 76.2 114.4

Manual Integrations

APPROVED

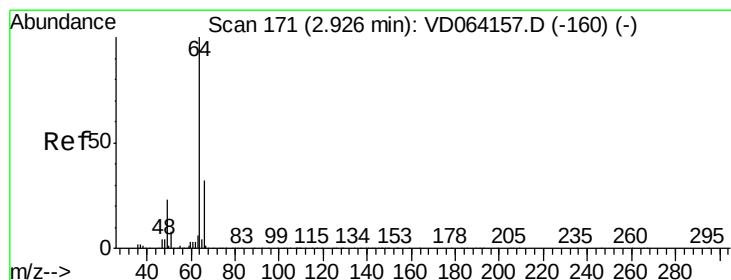
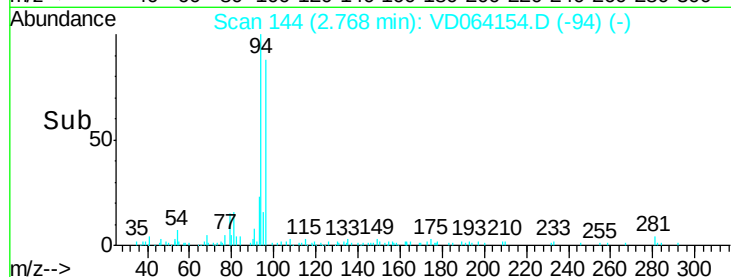
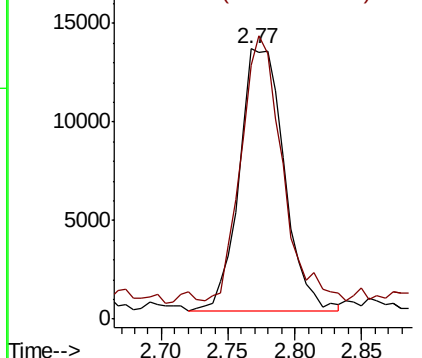
MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 2.834 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064154.D

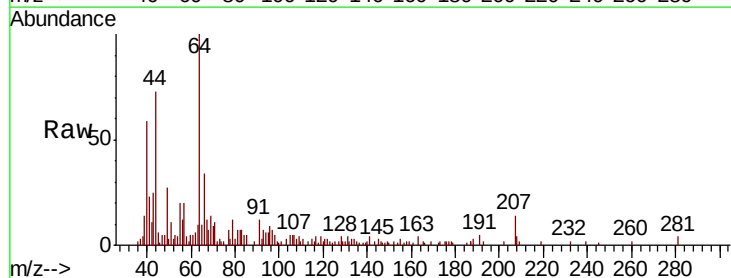
Acq: 08 Nov 2019 13:40

Tgt Ion: 64 Resp: 31205

Ion Ratio Lower Upper

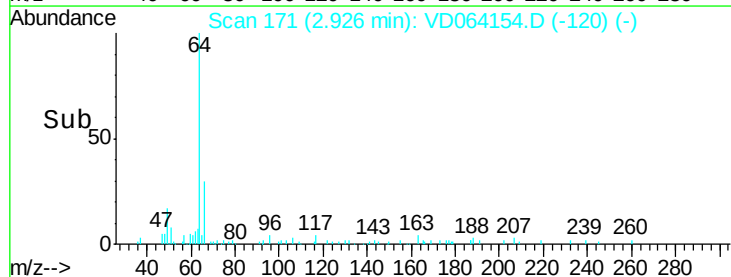
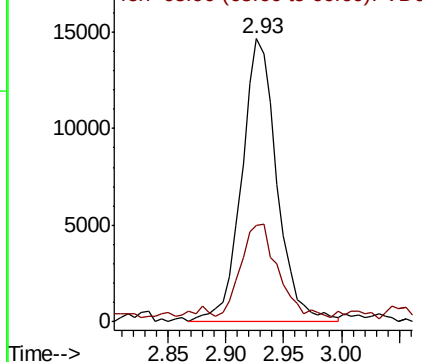
64 100

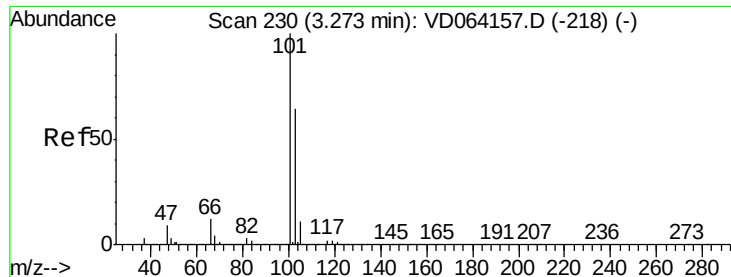
66 30.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

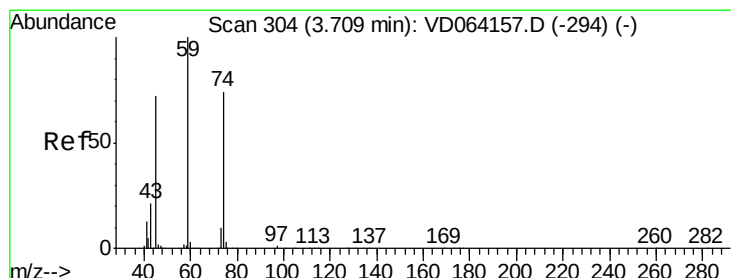
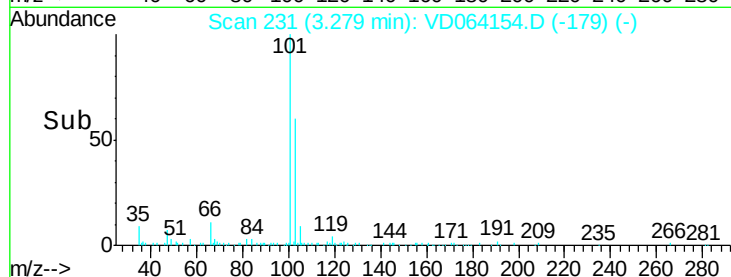
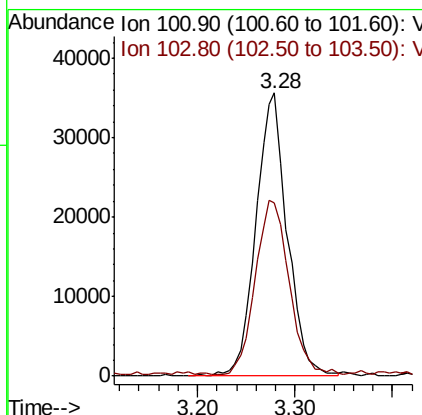
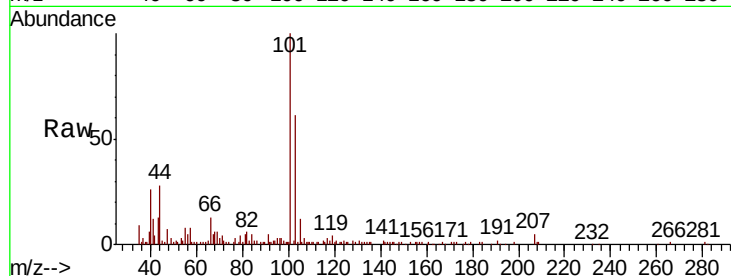
Trichlorofluoromethane
Concen: 3.245 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	50.8	76.2

Manual Integrations
APPROVED

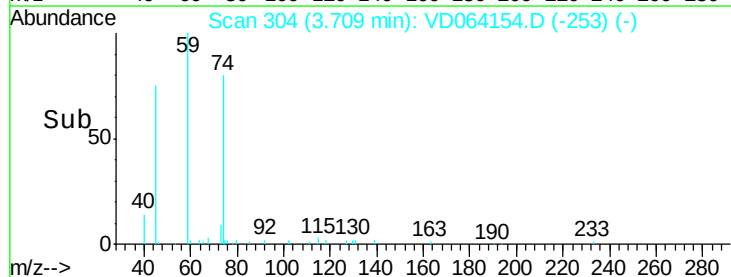
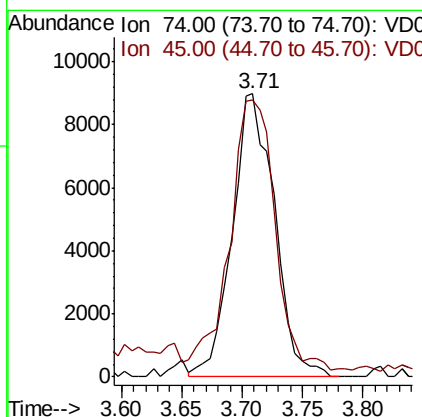
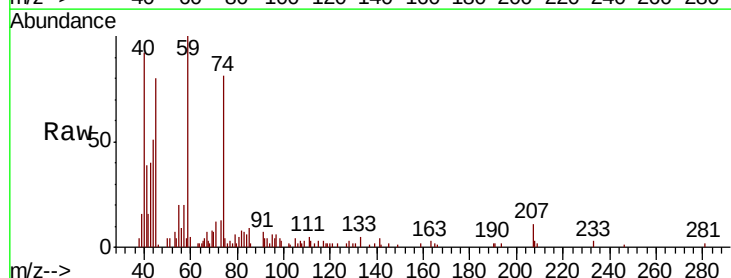
MMDadoda
11/13/2019 11:06:34 AM

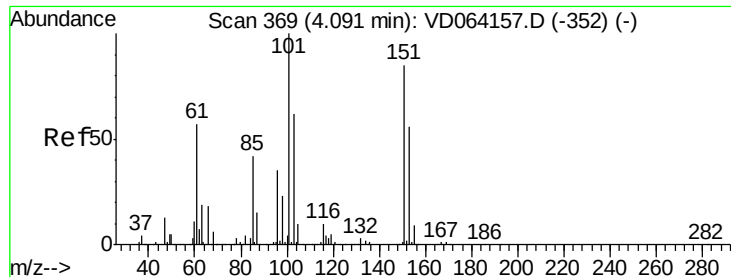


#8

Diethyl Ether
Concen: 4.738 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.996 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

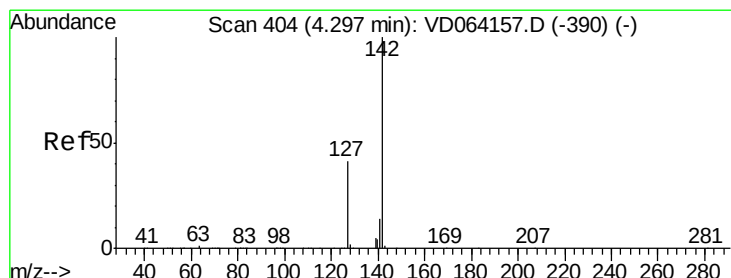
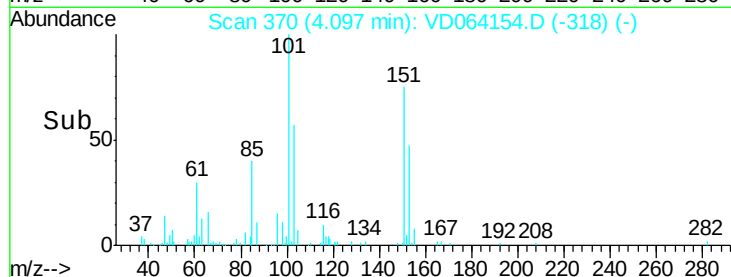
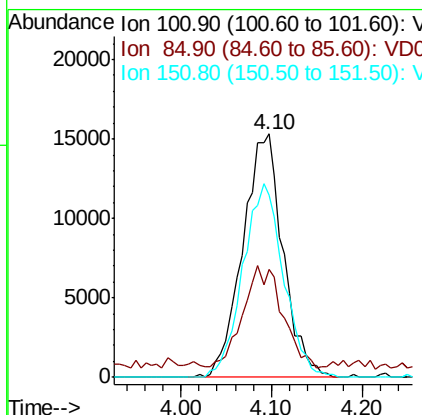
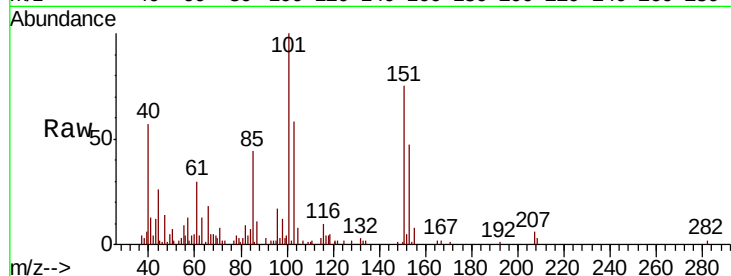
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	47334
Ion Ratio	Lower	Upper	
101	100		
85	40.4	34.4	51.6
151	80.4	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#10

Methyl Iodide

Concen: 2.517 ug/l

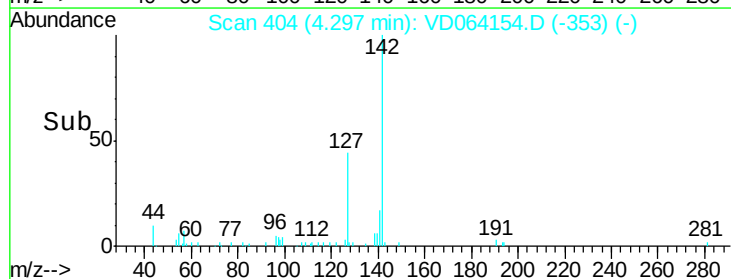
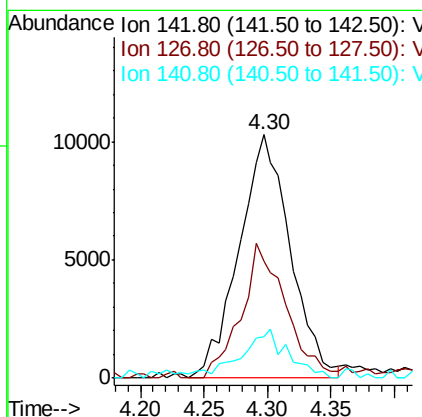
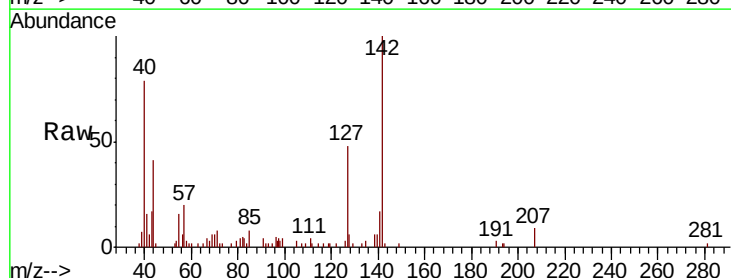
RT: 4.30 min Scan# 404

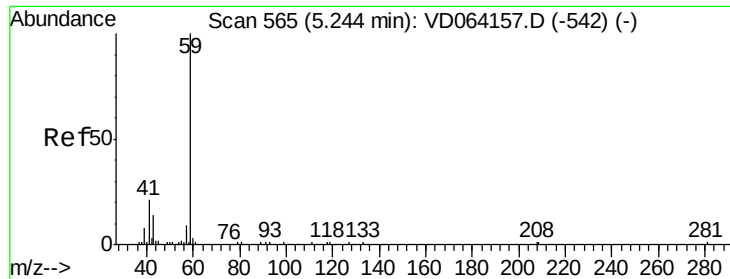
Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	142	Resp:	28963
Ion Ratio	Lower	Upper	
142	100		
127	48.0	34.4	51.6
141	18.4	11.2	16.8#





#11

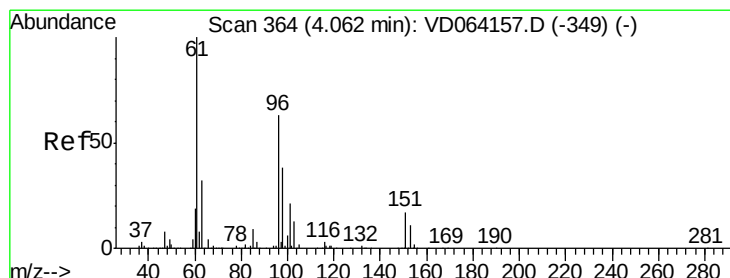
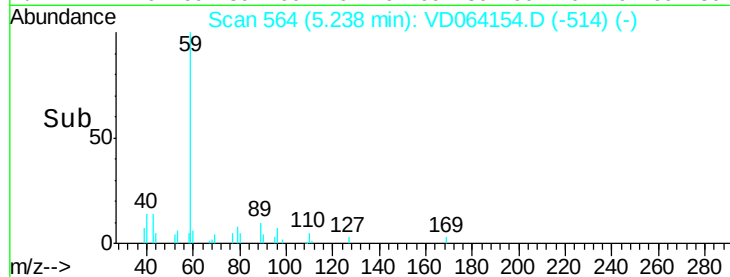
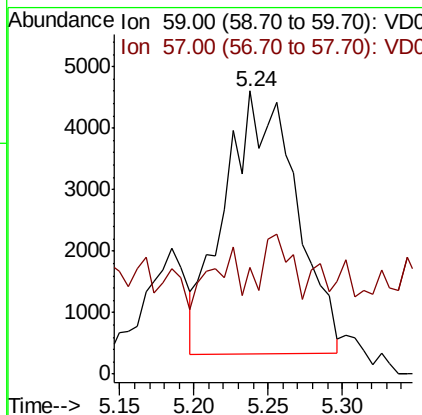
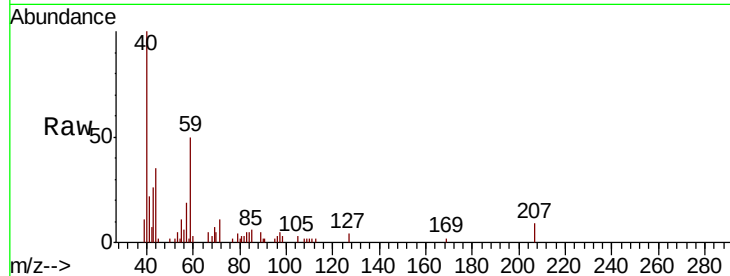
Tert butyl alcohol
Concen: 30.540 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	8.3	9.4	14.2#	

Manual Integrations
APPROVED

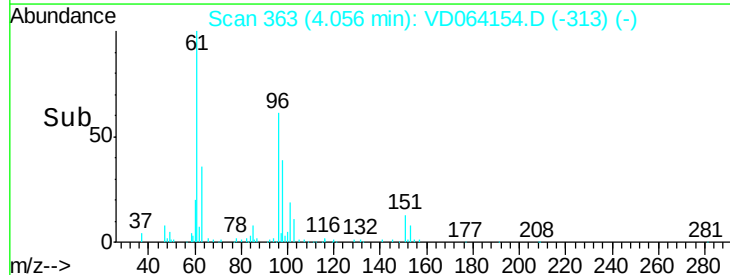
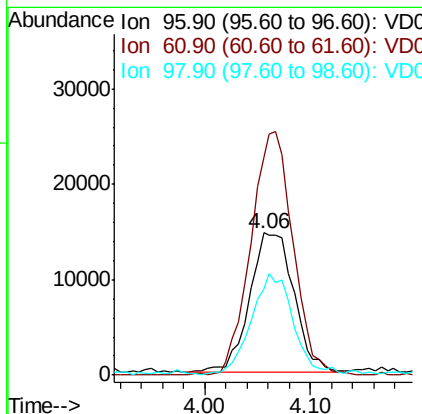
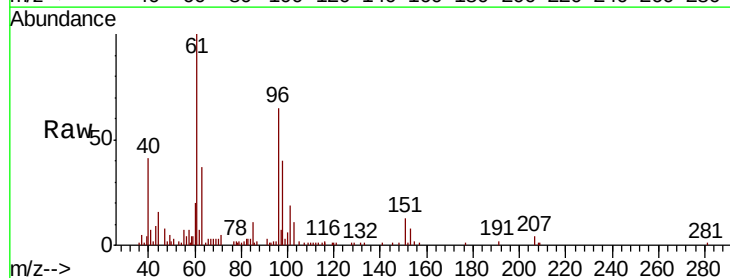
MMDadoda
11/13/2019 11:06:34 AM

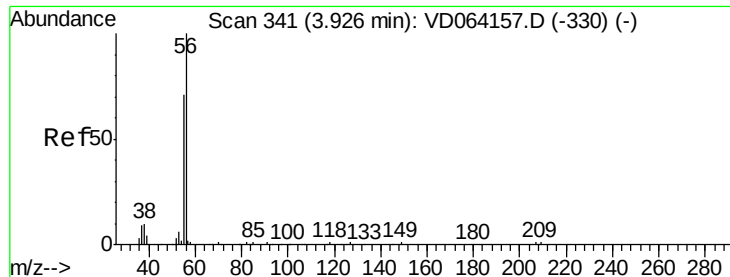


#12

1,1-Dichloroethene
Concen: 4.634 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	156.6	127.4	191.2	
98	60.4	48.1	72.1	





#13

Acrolein

Concen: 21.222 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11393

Ion Ratio Lower Upper

56 100

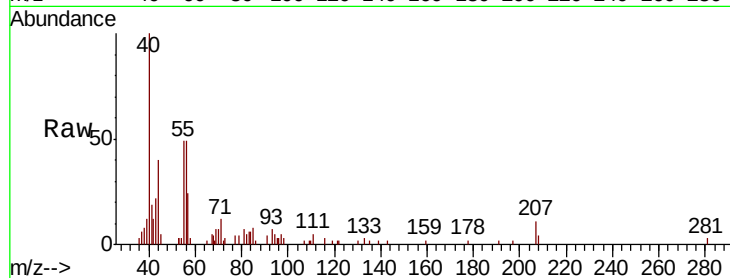
55 95.9 56.1 84.1#

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:34 AM

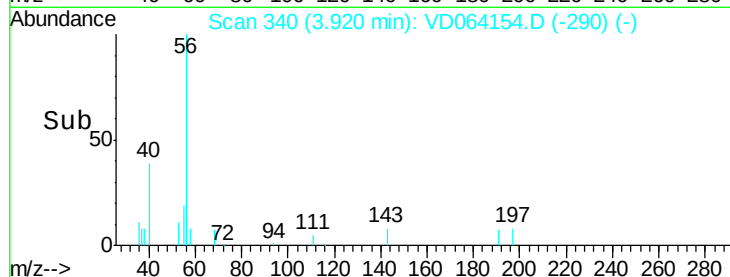


Abundance Ion 56.00 (55.70 to 56.70): VDC

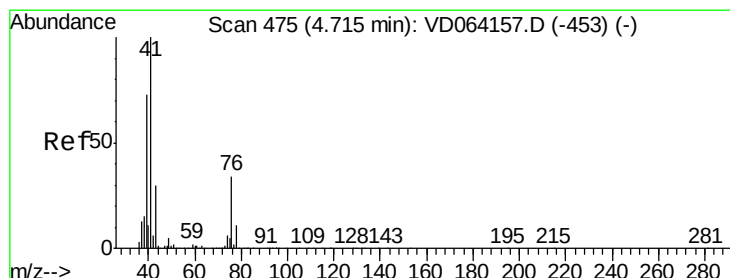
Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



Time-->



#14

Allyl chloride

Concen: 6.749 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

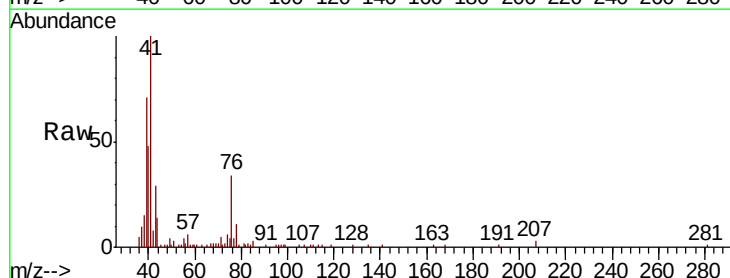
Tgt Ion: 41 Resp: 77313

Ion Ratio Lower Upper

41 100

39 71.7 57.5 86.3

76 35.0 26.8 40.2



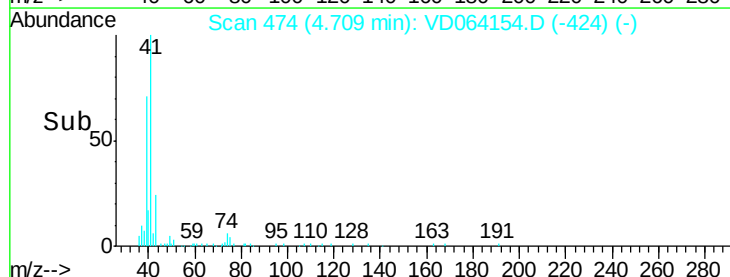
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

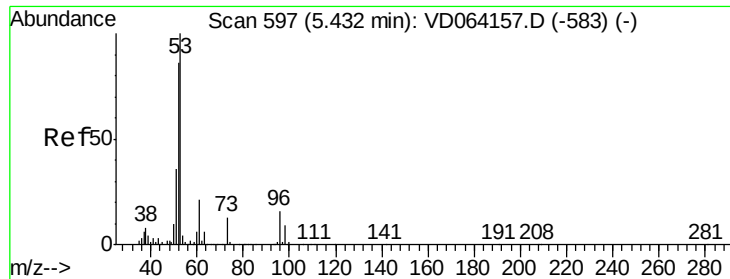
Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Time-->



#15

Acrylonitrile

Concen: 26.190 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

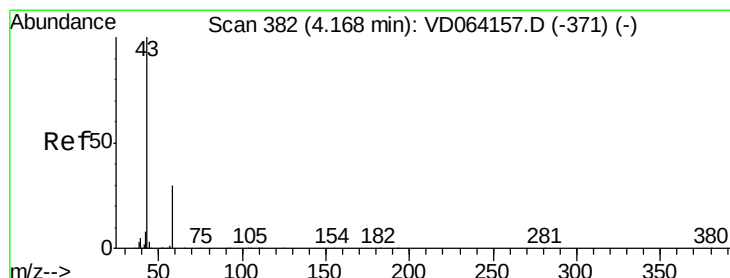
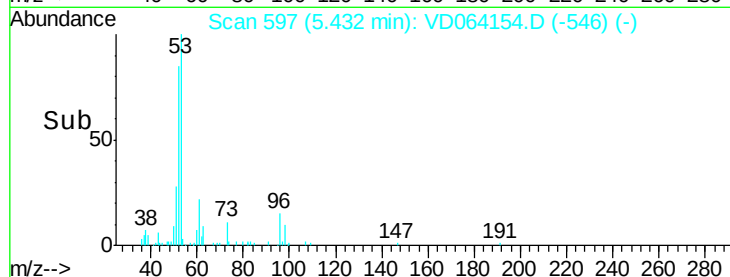
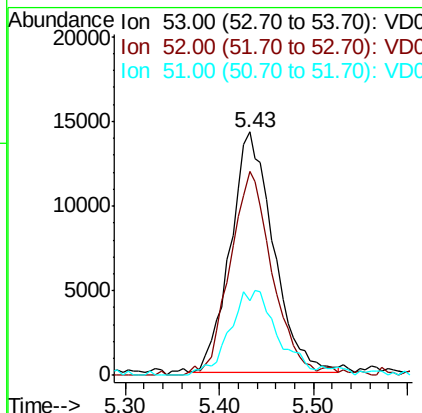
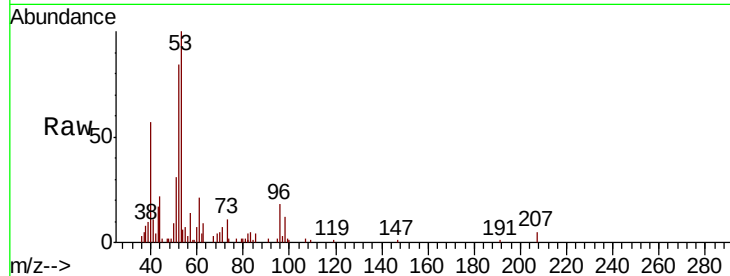
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	45201
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	38.7	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#16

Acetone

Concen: 32.501 ug/l

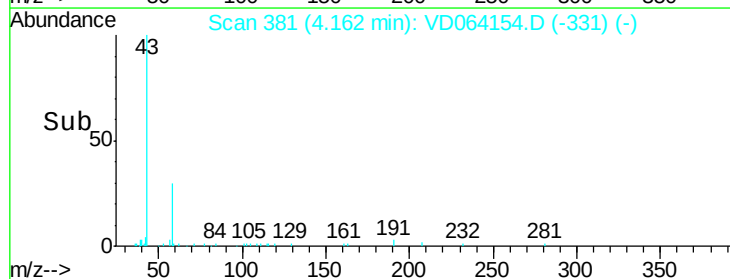
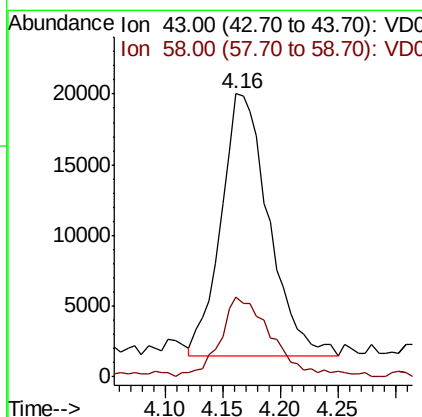
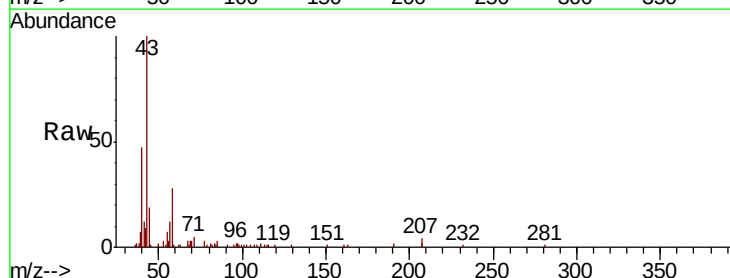
RT: 4.16 min Scan# 381

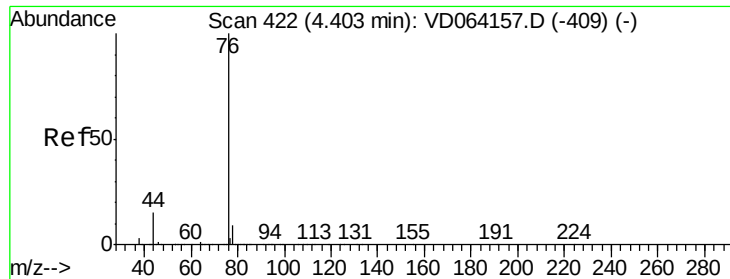
Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	43	Resp:	53153
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.1	36.1





#17

Carbon Disulfide

Concen: 4.750 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 131917

Ion Ratio Lower Upper

76 100

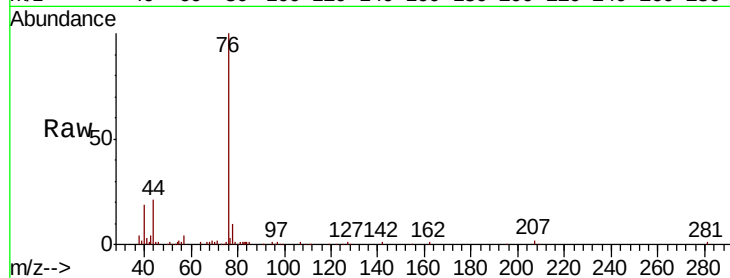
78 9.9 7.2 10.8

Manual Integrations

APPROVED

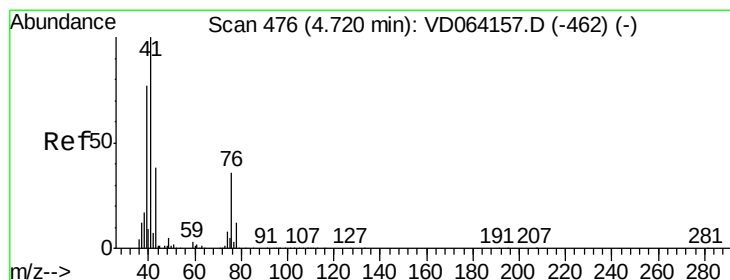
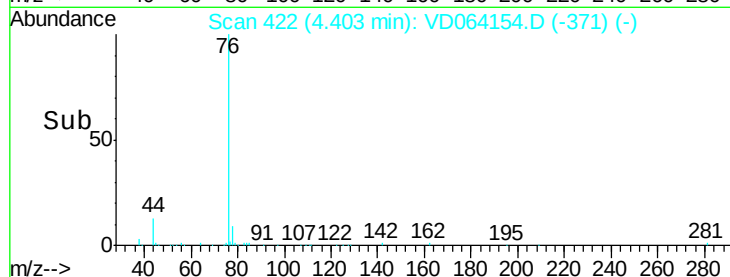
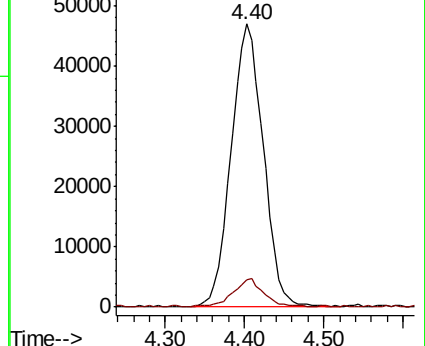
MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 7.352 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064154.D

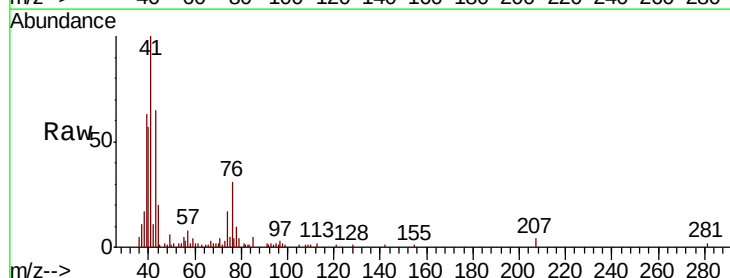
Acq: 08 Nov 2019 13:40

Tgt Ion: 43 Resp: 32549

Ion Ratio Lower Upper

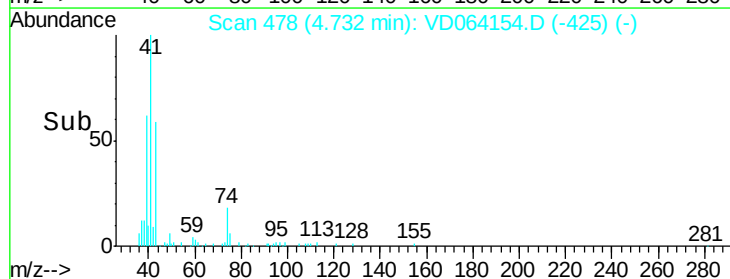
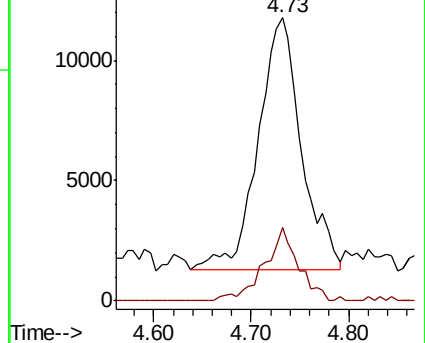
43 100

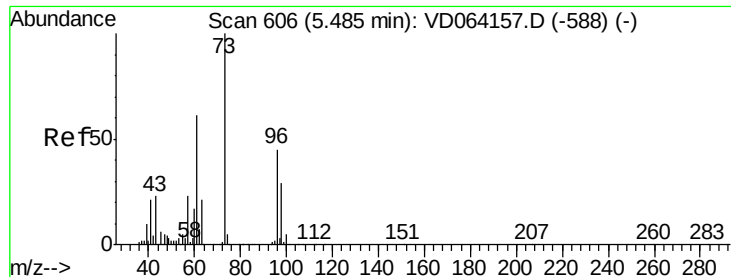
74 22.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





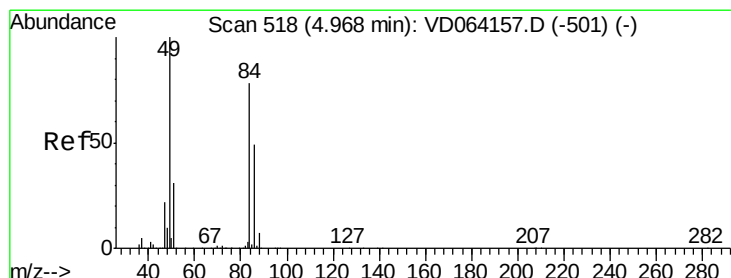
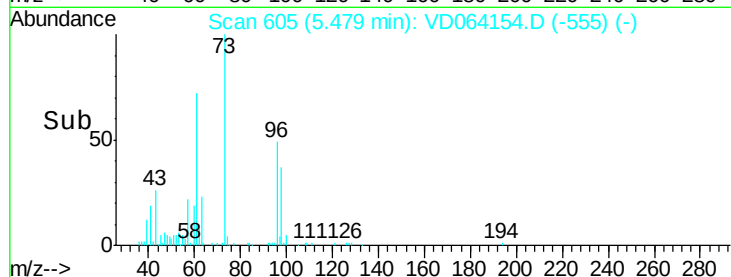
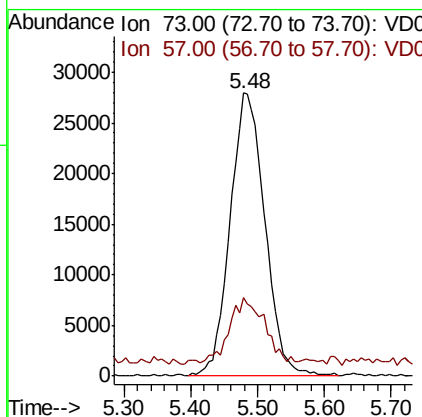
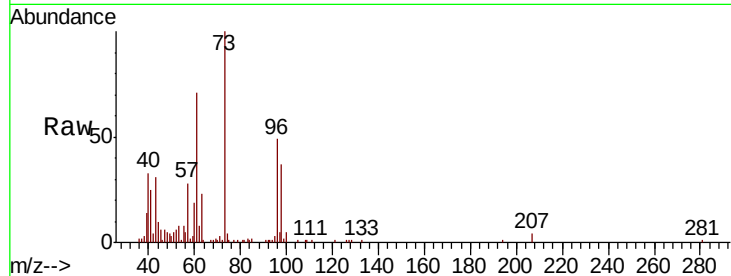
#19
Methyl tert-butyl Ether
Concen: 5.373 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.4	27.6

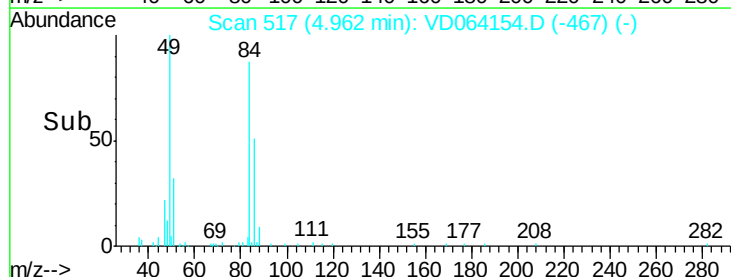
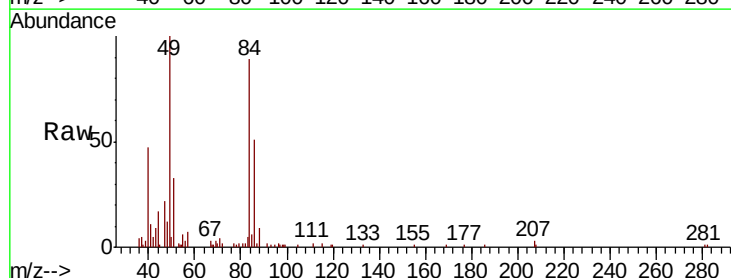
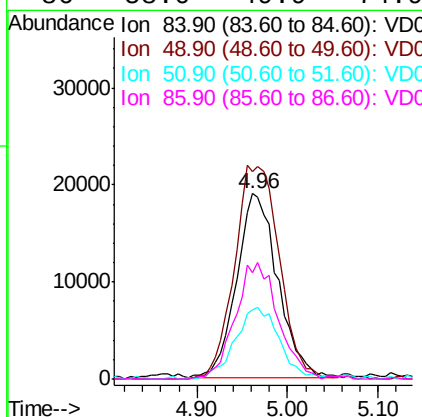
Manual Integrations
APPROVED

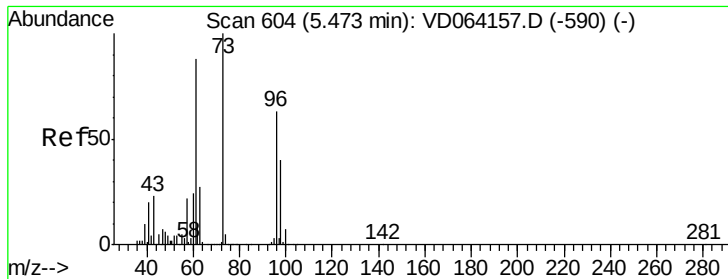
MMDadoda
11/13/2019 11:06:34 AM



#20
Methylene Chloride
Concen: 5.369 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	102.1	153.1
51	36.5	32.2	48.2
86	58.0	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 5.015 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

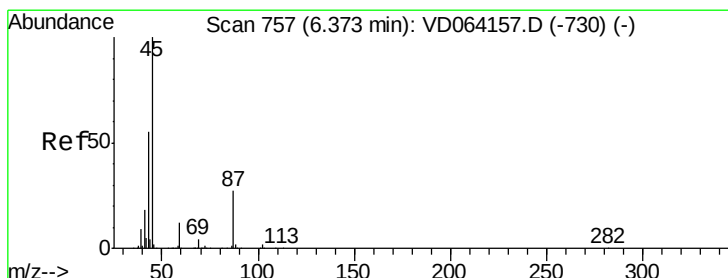
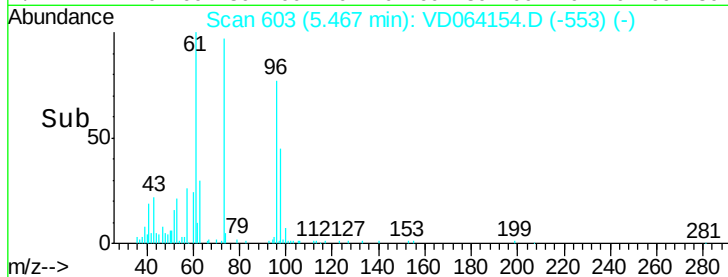
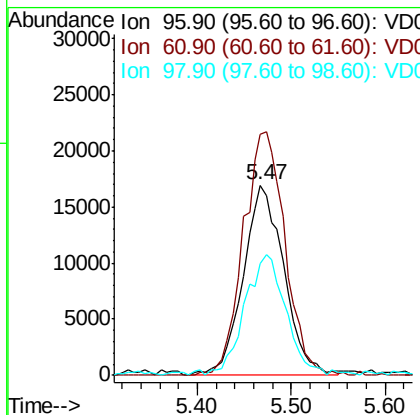
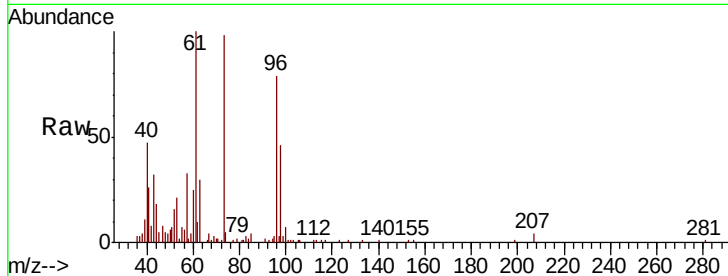
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	50741
Ion	Ratio	Lower	Upper
96	100		
61	126.9	111.8	167.6
98	58.5	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#22

Diisopropyl ether

Concen: 5.793 ug/l

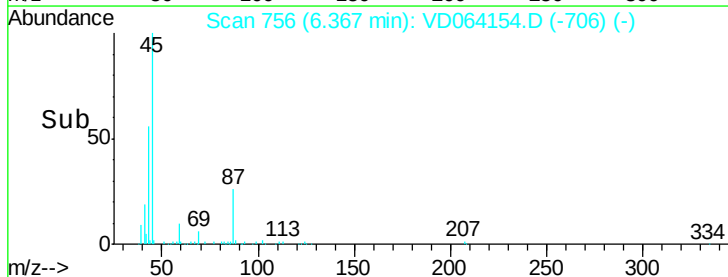
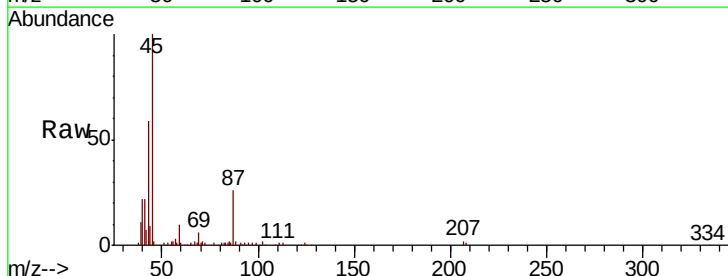
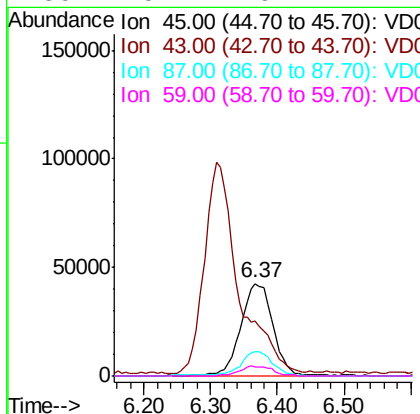
RT: 6.37 min Scan# 756

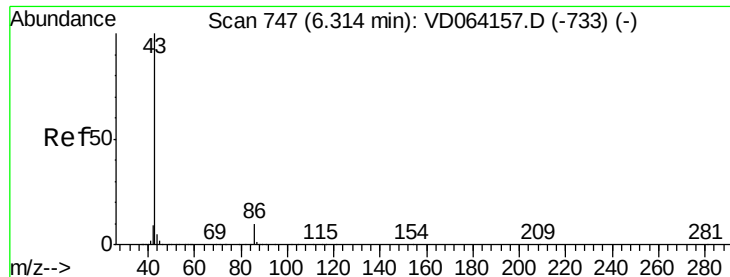
Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	45	Resp:	140904
Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.4	66.6
87	26.0	21.9	32.9
59	9.7	9.4	14.2





#23

Vinyl Acetate

Concen: 25.835 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 345707

Ion Ratio Lower Upper

43 100

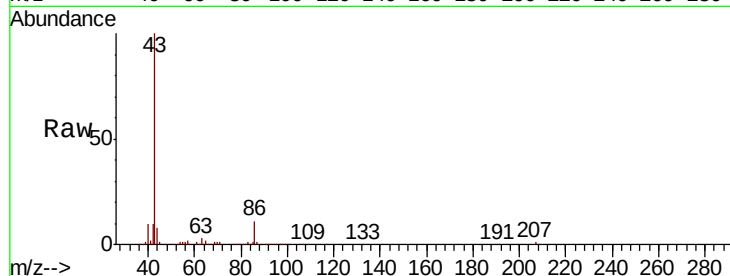
86 11.3 8.2 12.2

Manual Integrations

APPROVED

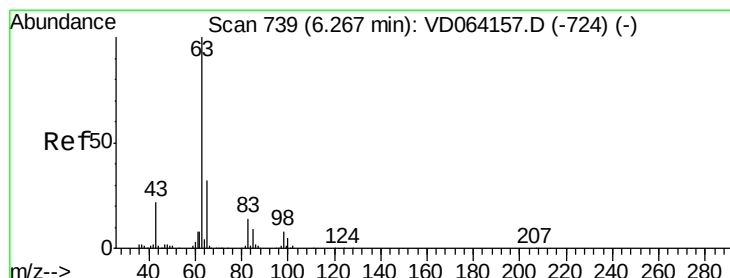
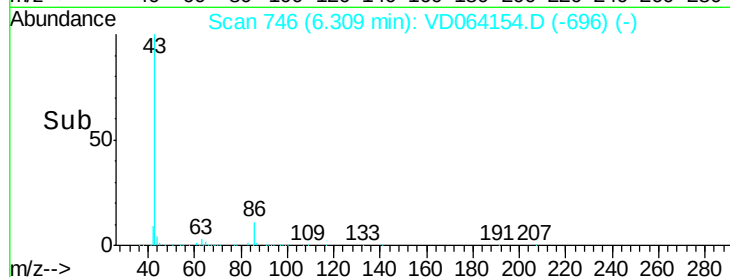
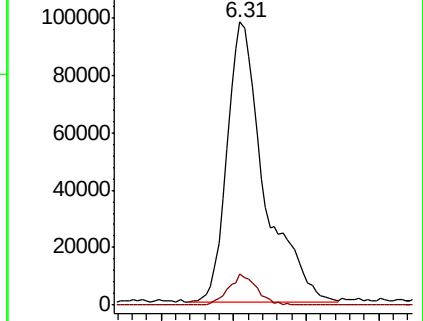
MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.187 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

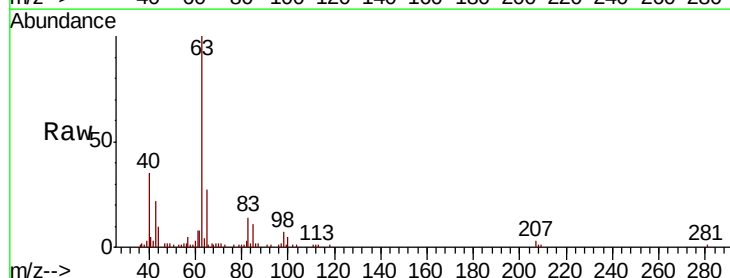
Tgt Ion: 63 Resp: 83029

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

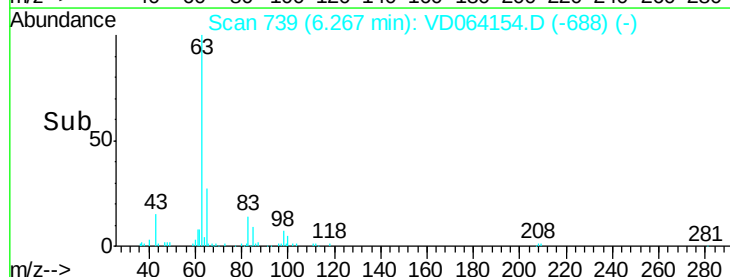
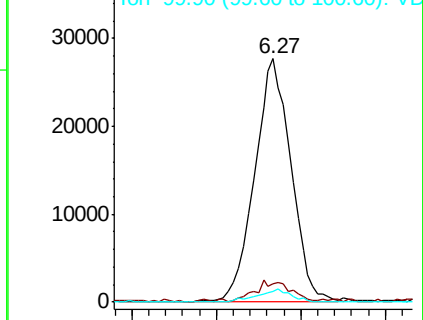
100 4.6 2.4 7.2

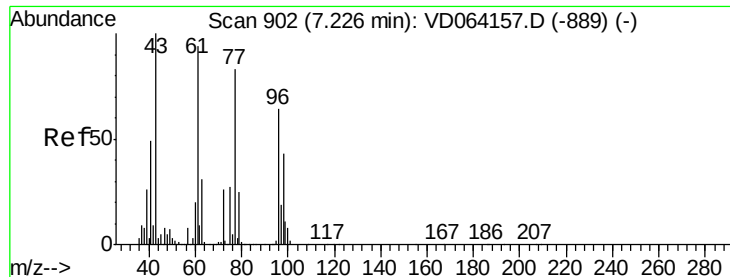


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 28.330 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 63600

Ion Ratio Lower Upper

43 100

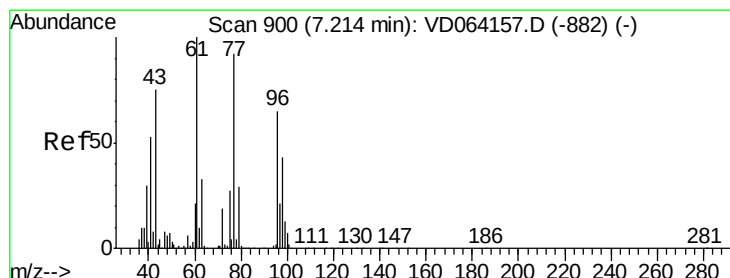
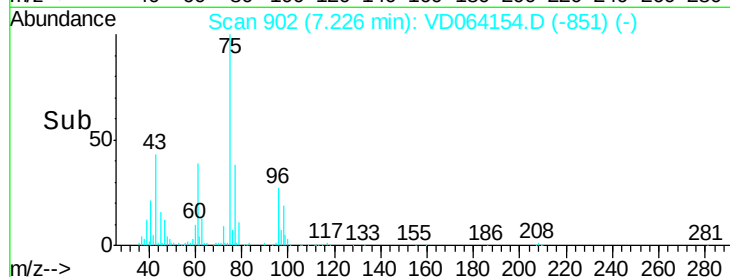
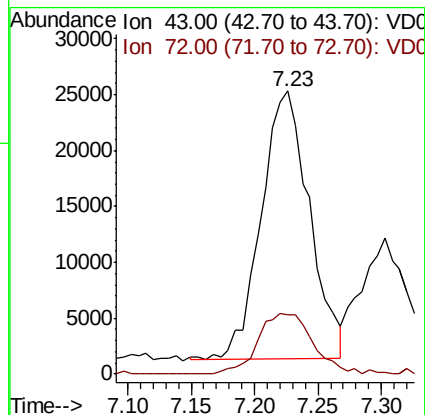
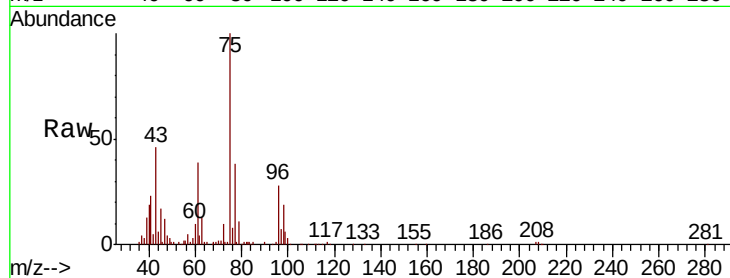
72 22.4 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:34 AM



#26

2,2-Dichloropropane

Concen: 5.413 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064154.D

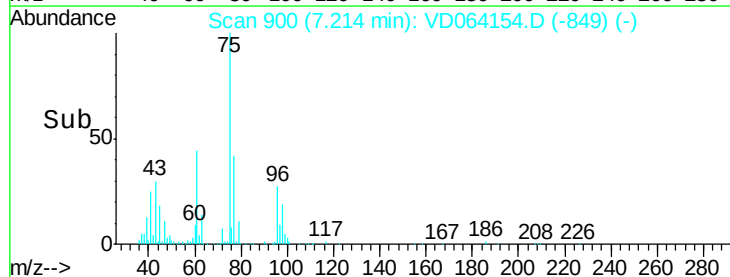
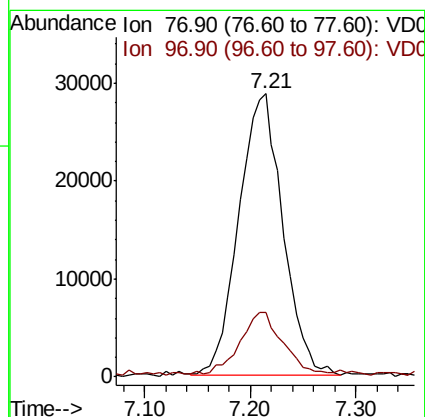
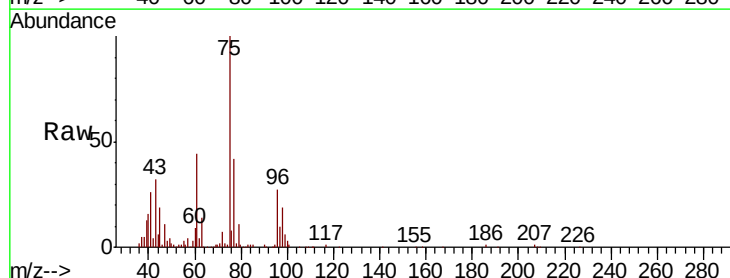
Acq: 08 Nov 2019 13:40

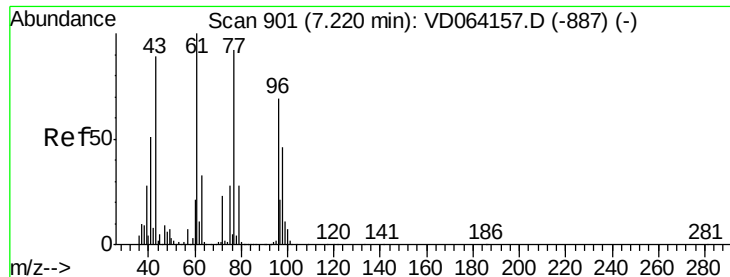
Tgt Ion: 77 Resp: 82600

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 4.571 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

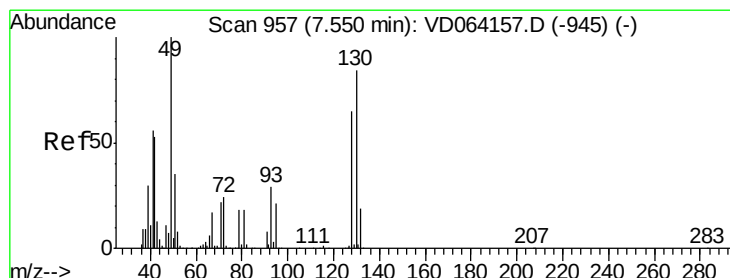
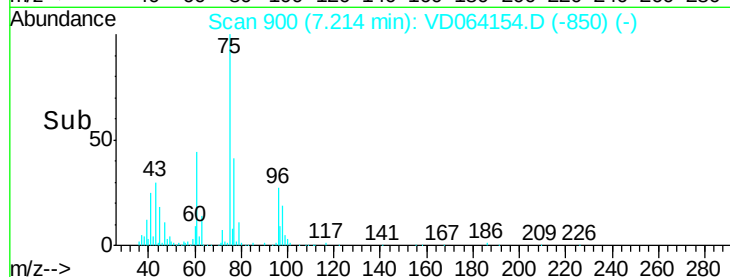
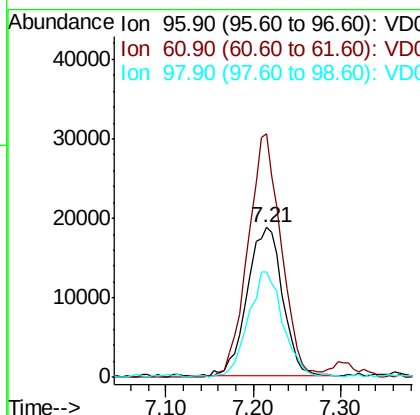
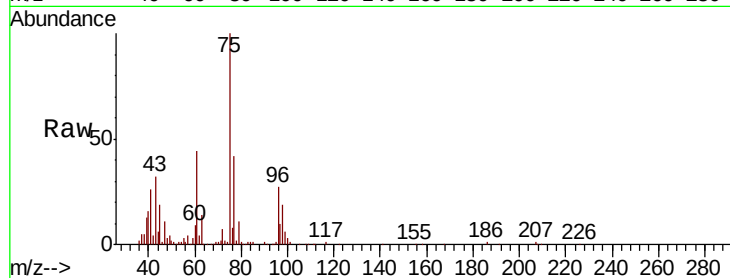
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	51362
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	301.4
98	69.9	0.0	133.2

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#28

Bromochloromethane

Concen: 5.540 ug/l

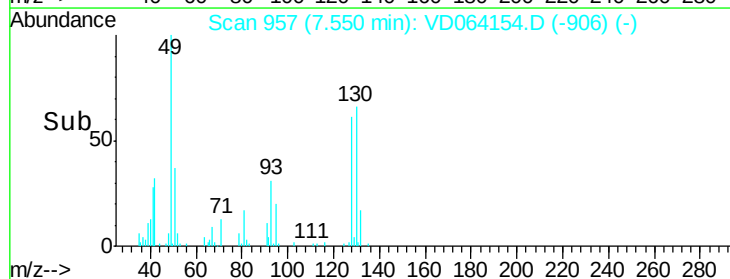
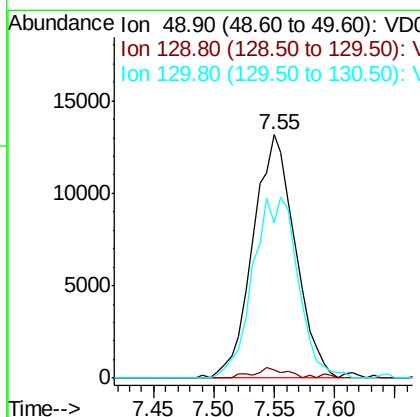
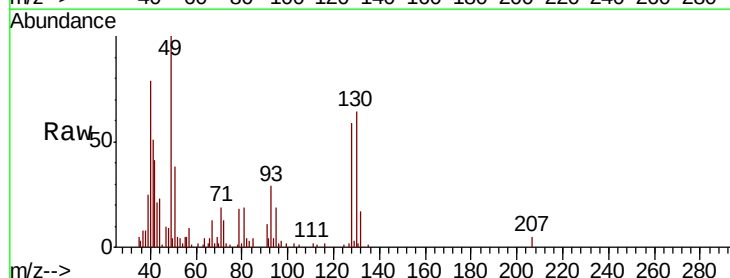
RT: 7.55 min Scan# 957

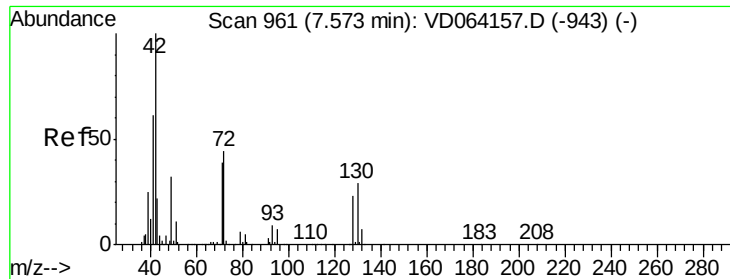
Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	49	Resp:	31885
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.4
130	79.3	66.8	100.2





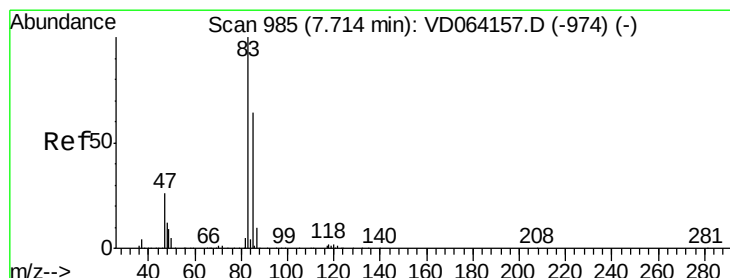
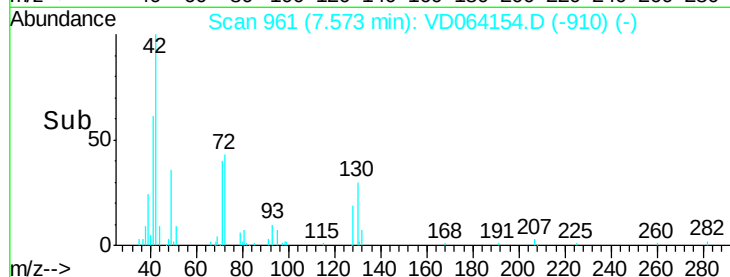
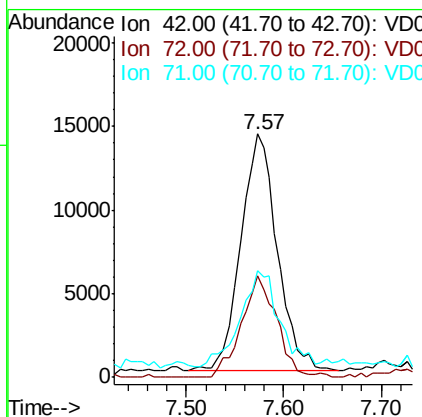
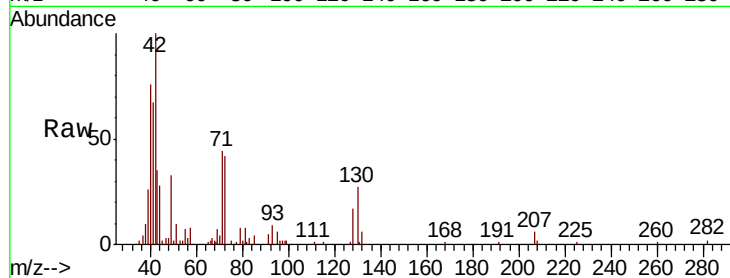
#29
Tetrahydrofuran
Concen: 27.977 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.4	50.2
71	43.5	31.0	46.4

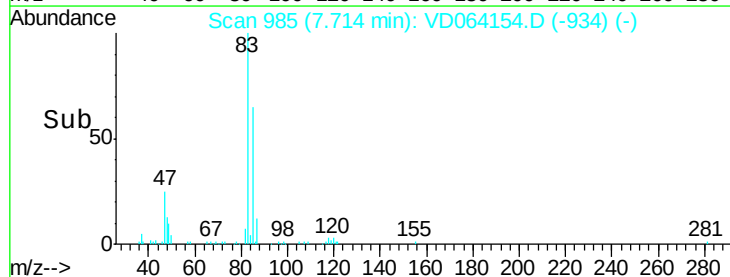
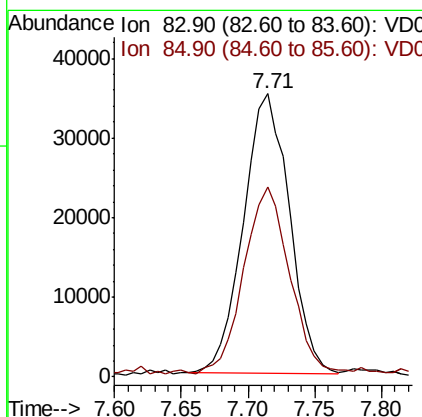
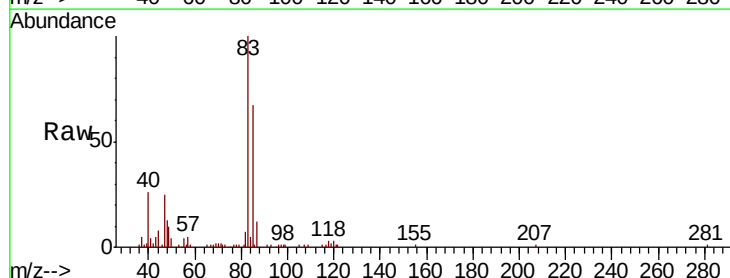
Manual Integrations
APPROVED

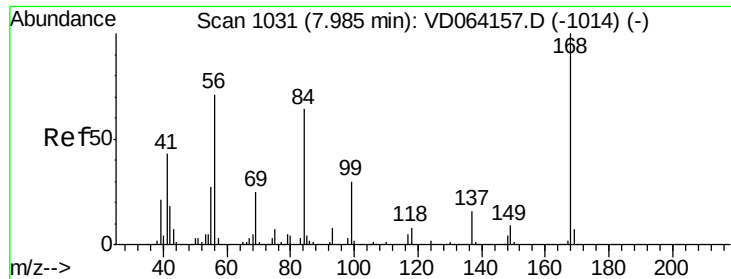
MMDadoda
11/13/2019 11:06:34 AM



#30
Chloroform
Concen: 4.678 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.0





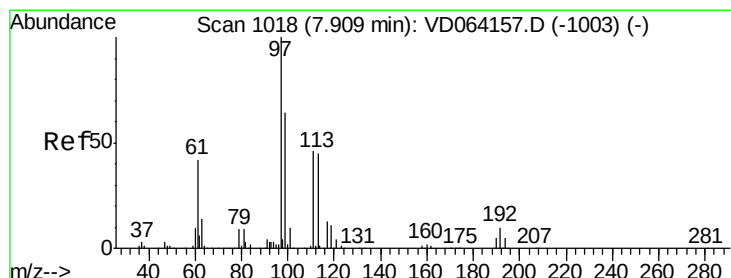
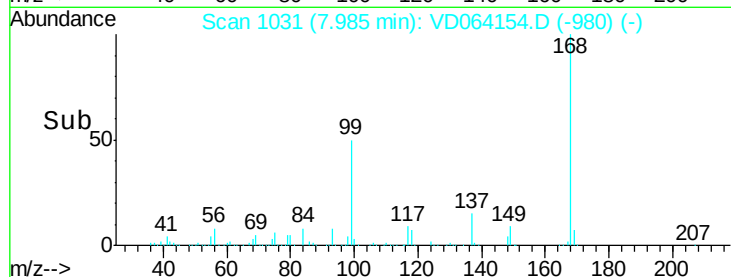
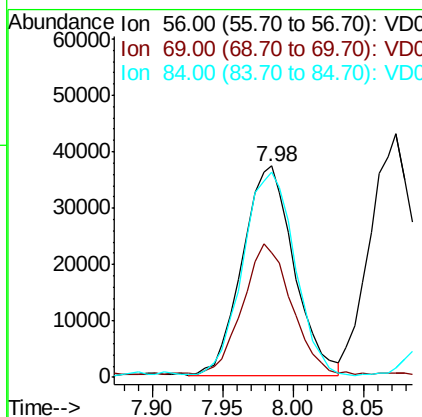
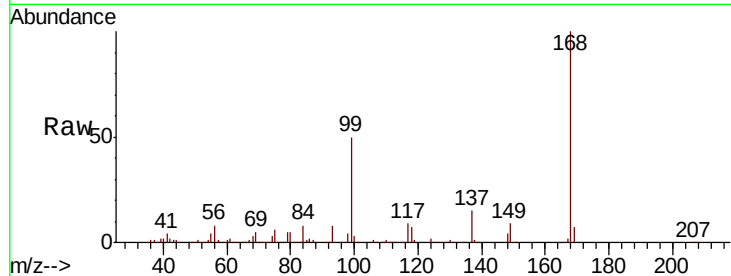
#31
Cyclohexane
Concen: 6.081 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.8	28.2	42.4#
84	97.0	71.8	107.6

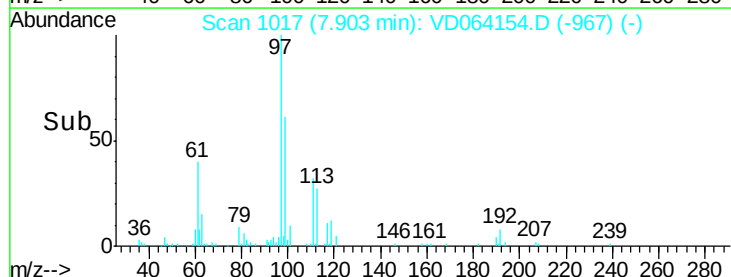
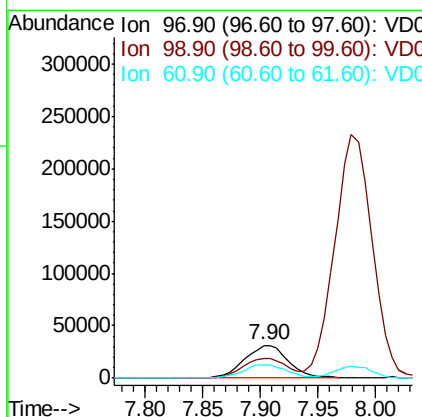
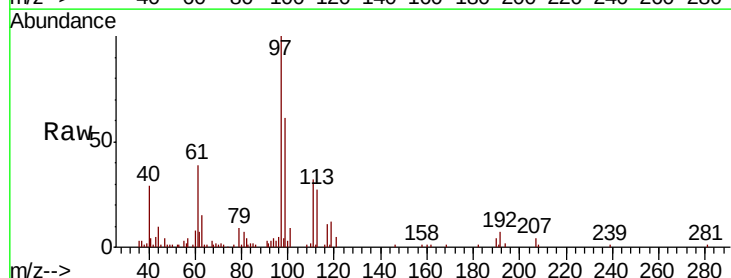
Manual Integrations
APPROVED

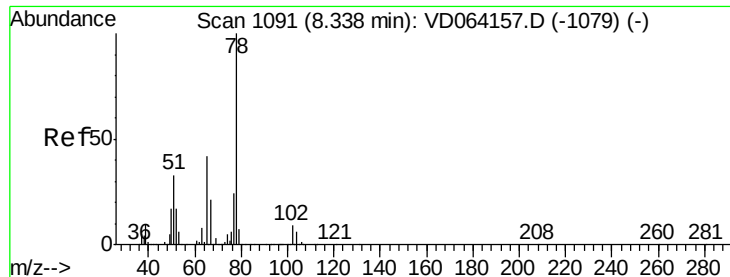
MMDadoda
11/13/2019 11:06:34 AM



#32
1,1,1-Trichloroethane
Concen: 4.957 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	41.5	34.2	51.2





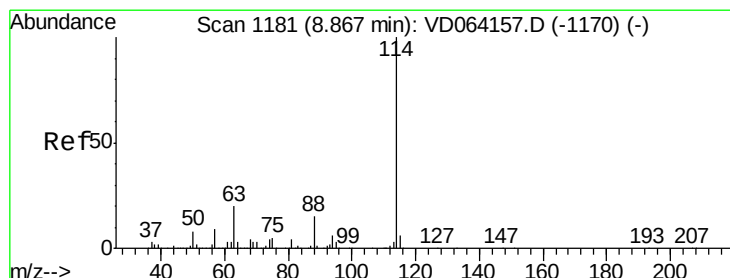
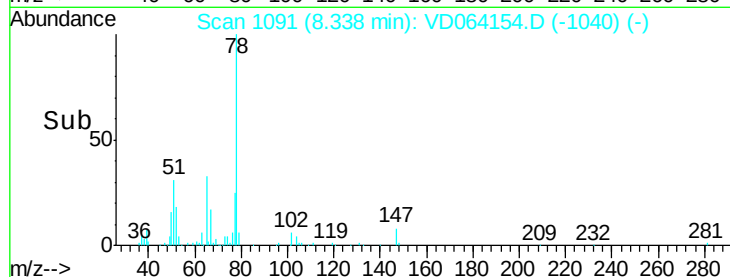
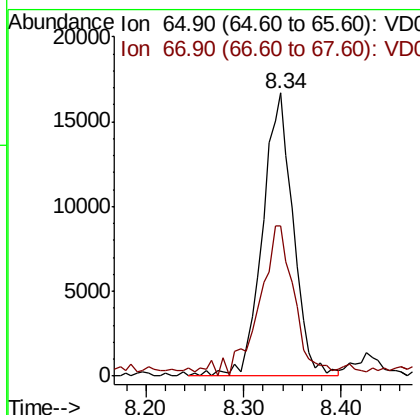
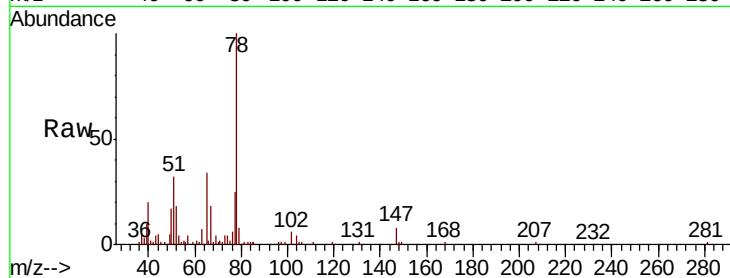
#33
 1,2-Dichloroethane-d4
 Concen: 4.369 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	60.4	0.0	104.4

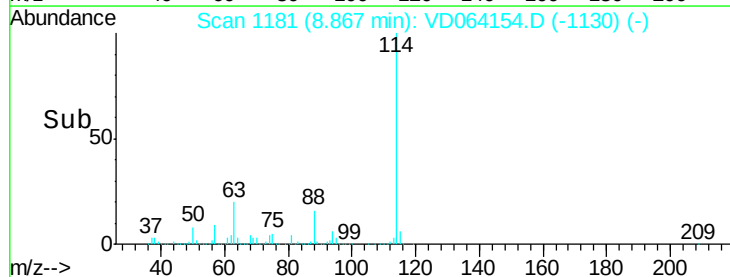
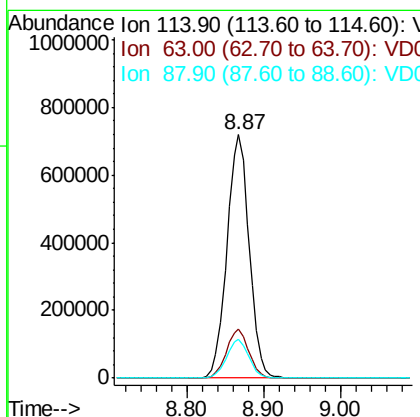
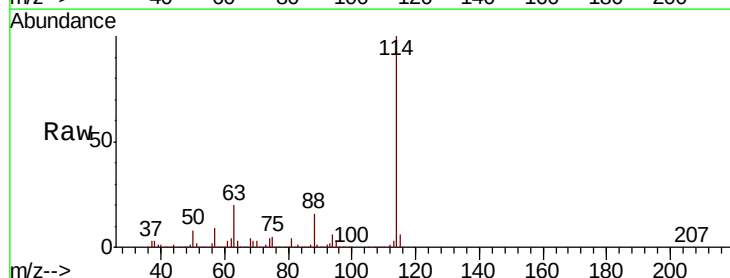
Manual Integrations
 APPROVED

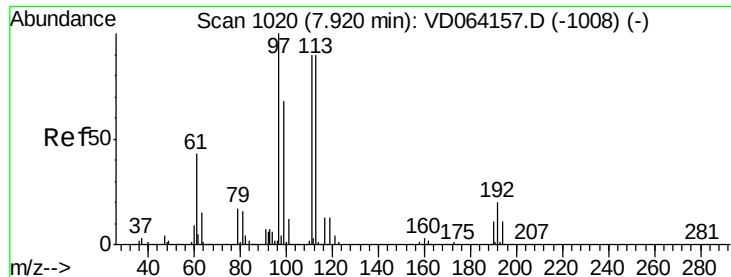
MMDadoda
 11/13/2019 11:06:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.0
88	15.9	0.0	30.2





#35

Dibromofluoromethane

Concen: 4.152 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

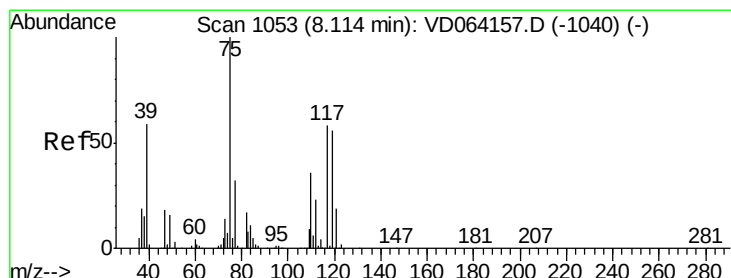
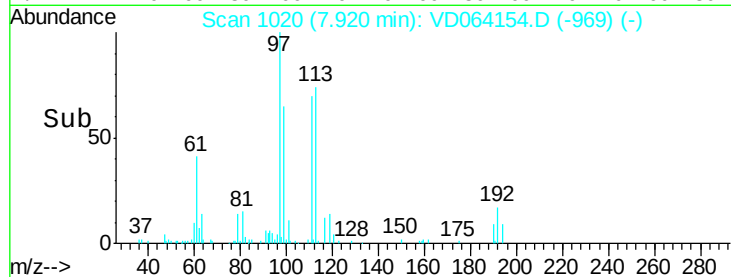
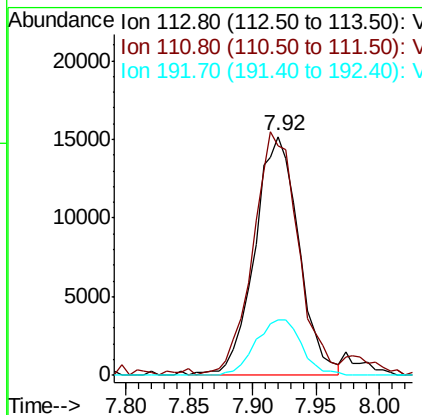
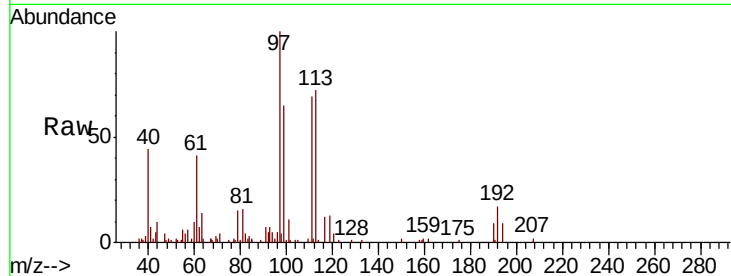
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	36887
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.5	122.3
192	24.2	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#36

1,1-Dichloropropene

Concen: 4.883 ug/l

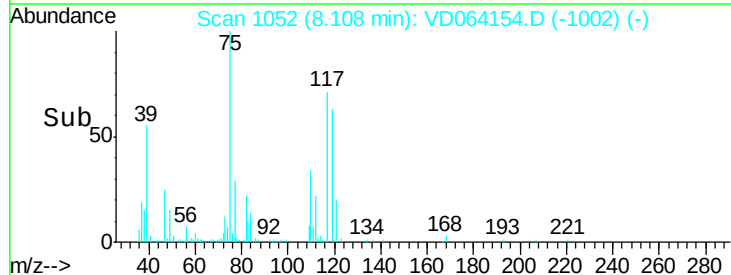
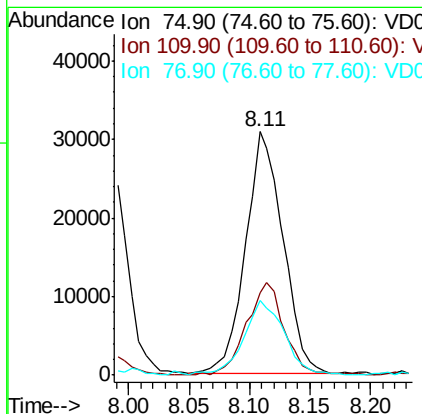
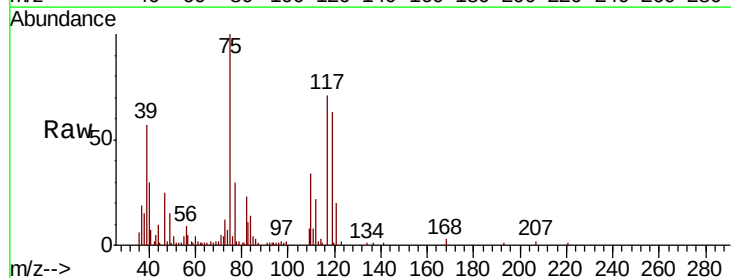
RT: 8.11 min Scan# 1052

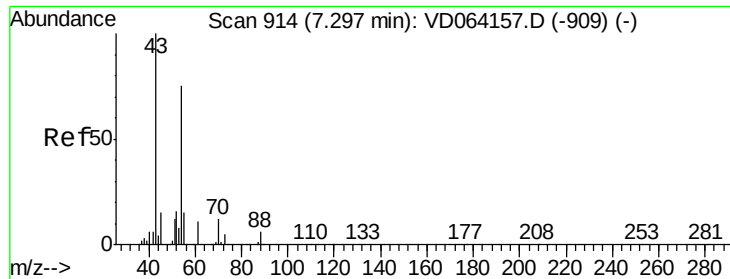
Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	75	Resp:	66737
Ion Ratio	Lower	Upper	
75	100		
110	38.8	18.3	54.9
77	33.3	25.0	37.6





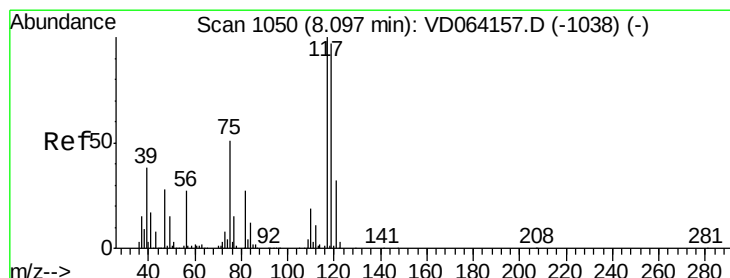
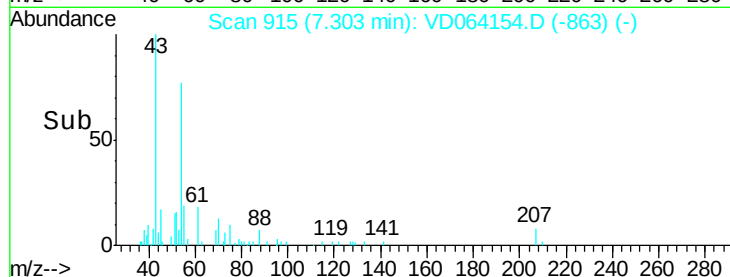
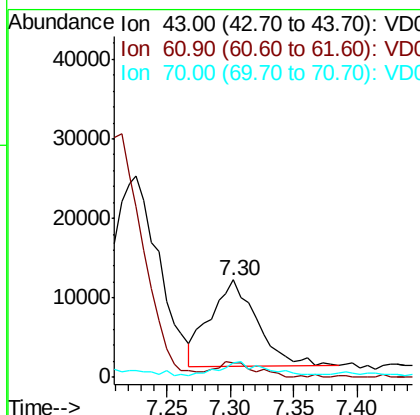
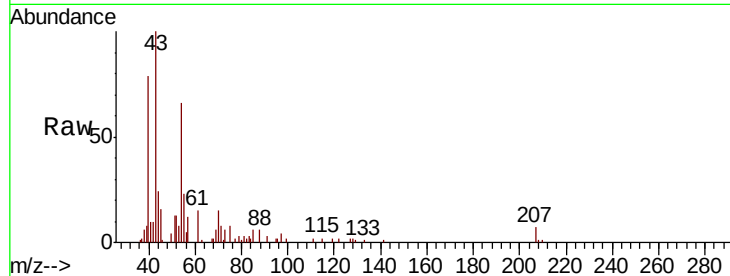
#37
Ethyl Acetate
Concen: 6.352 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.2	15.2#
70	15.2	8.5	12.7#

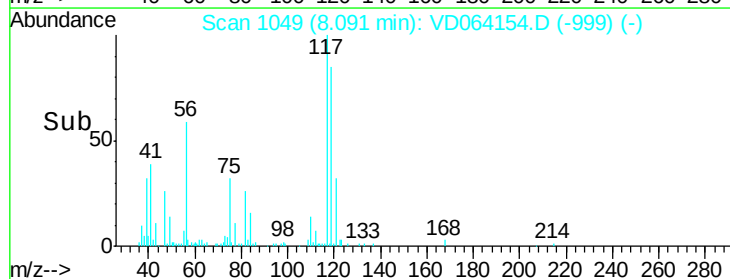
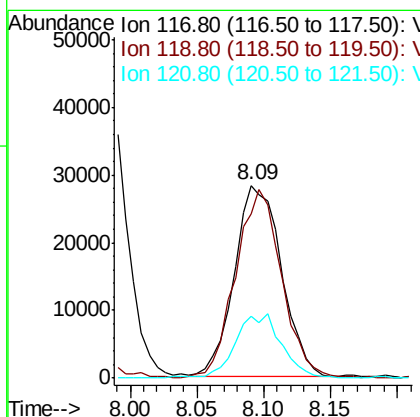
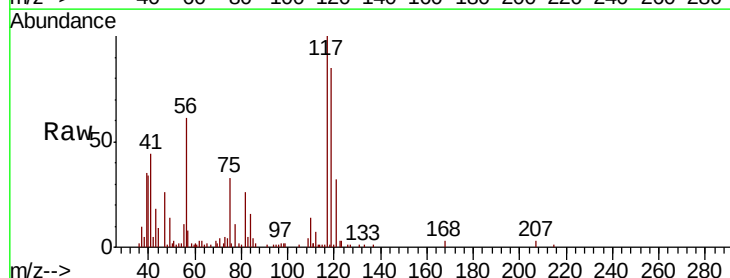
Manual Integrations
APPROVED

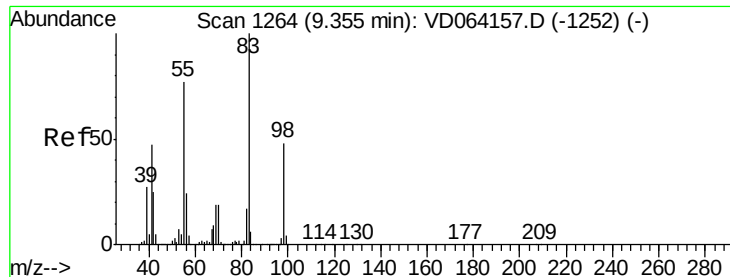
MMDadoda
11/13/2019 11:06:34 AM



#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.1	77.2	115.8
121	32.4	25.5	38.3





#39

Methylvlcyclohexane

Concen: 5.217 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

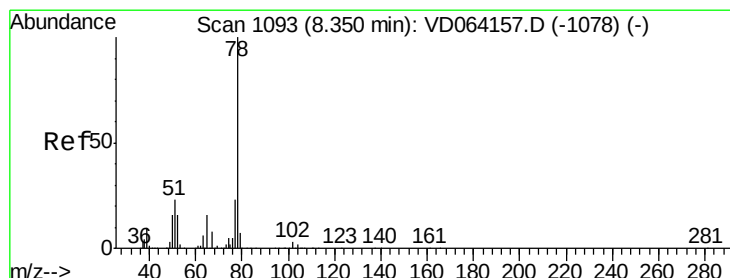
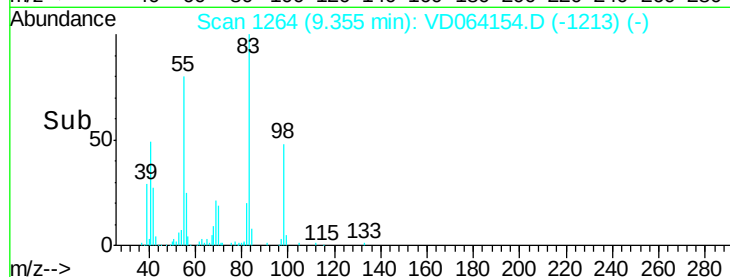
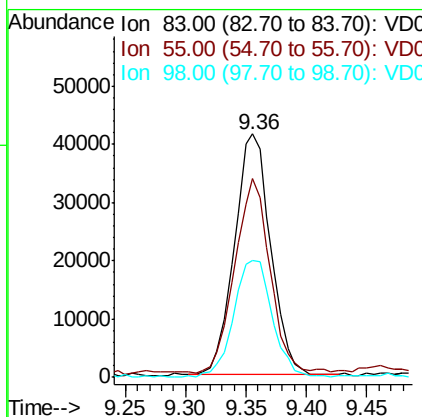
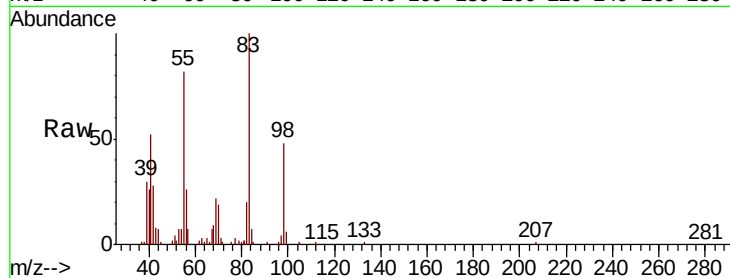
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	86639
Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.7	92.5
98	47.7	38.6	58.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#40

Benzene

Concen: 4.886 ug/l

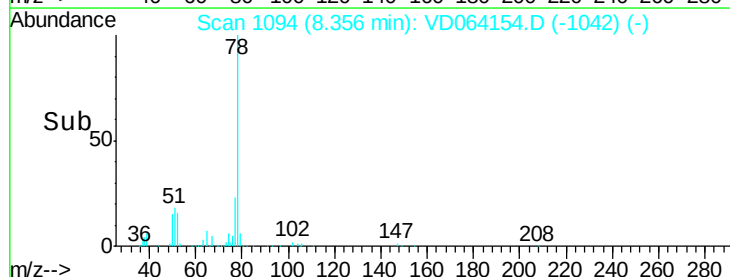
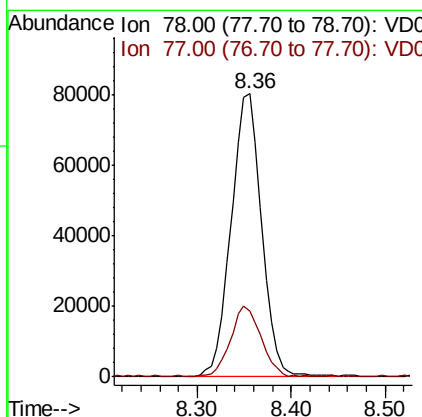
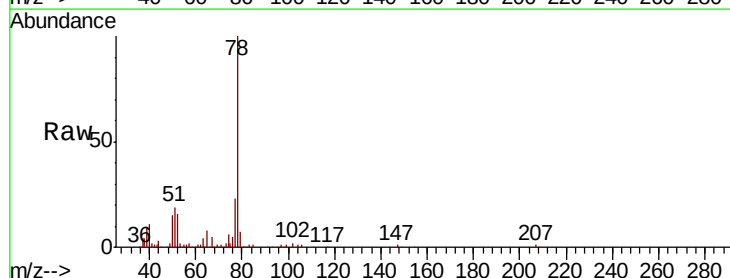
RT: 8.36 min Scan# 1094

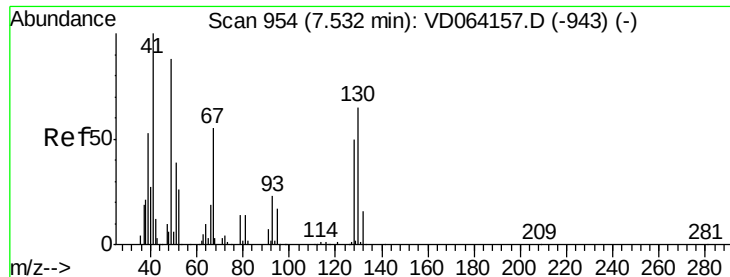
Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	78	Resp:	181203
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	28.0





#41

Methacrylonitrile

Concen: 6.787 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

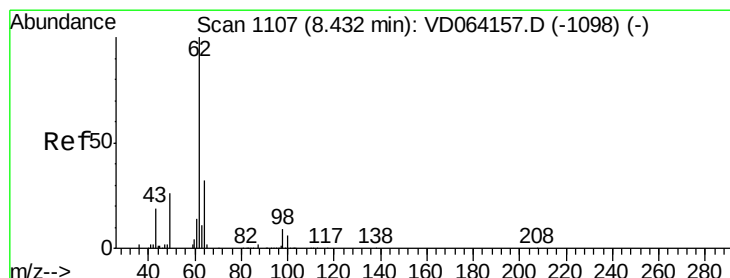
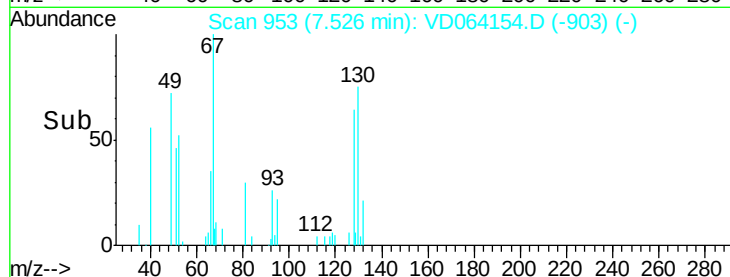
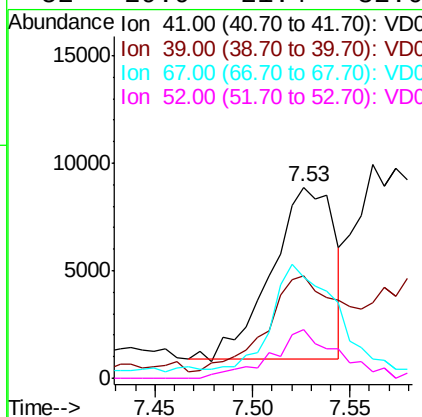
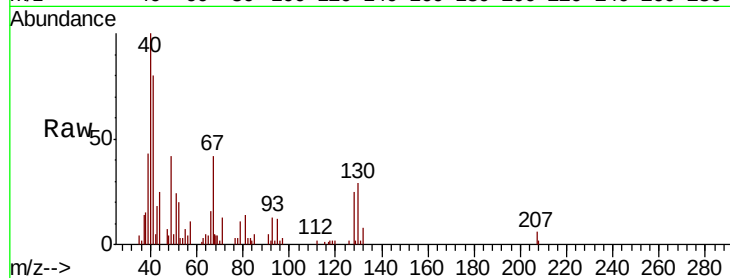
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.3	49.4	74.2
67	64.3	49.6	74.4
52	29.9	21.4	32.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#42

1,2-Dichloroethane

Concen: 5.417 ug/l

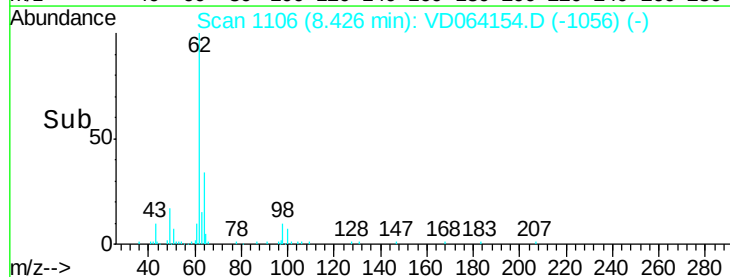
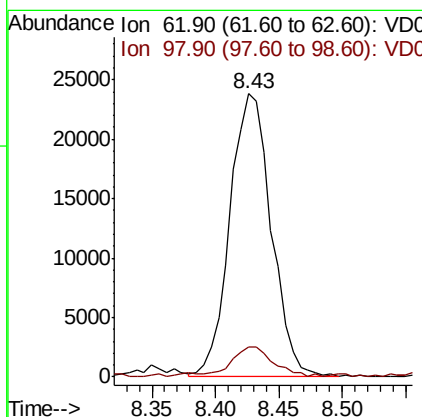
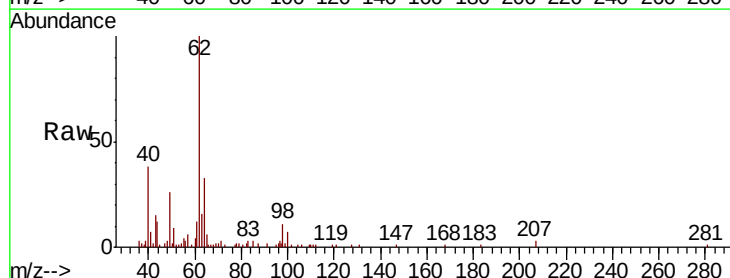
RT: 8.43 min Scan# 1106

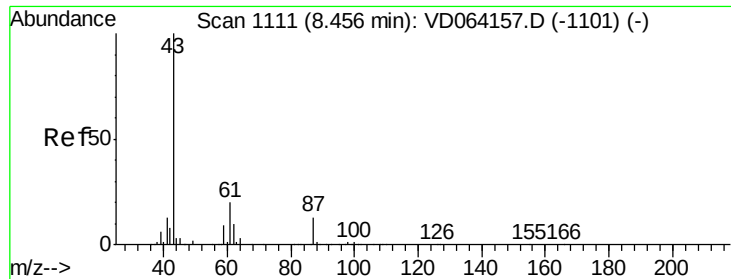
Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 6.202 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

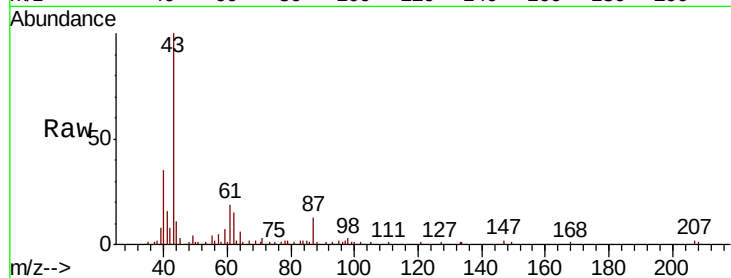
ClientSampleId :

VSTDIC005

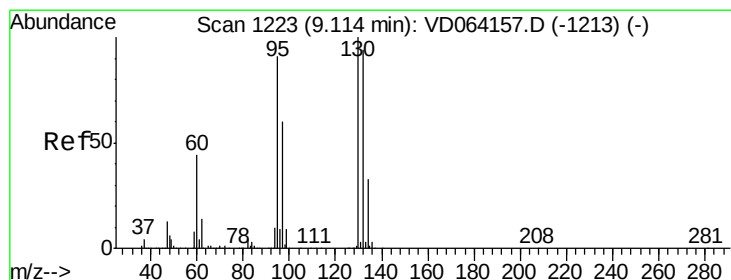
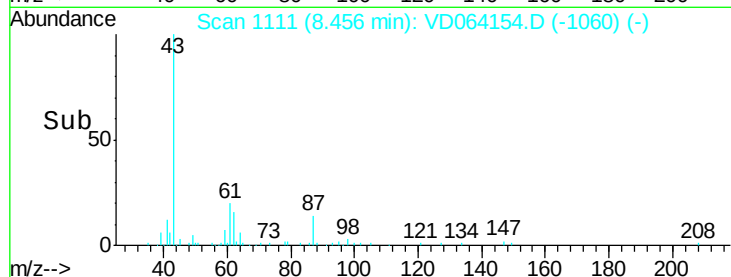
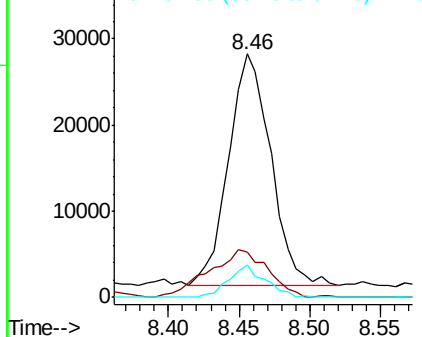
Tot Ion:	43	Resp:	55916
Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.9	34.3
87	12.0	10.2	15.2

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.974 ug/l

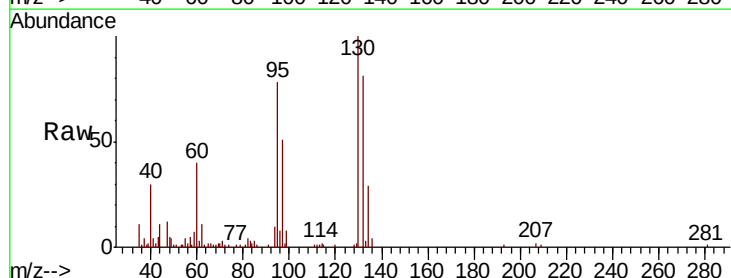
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

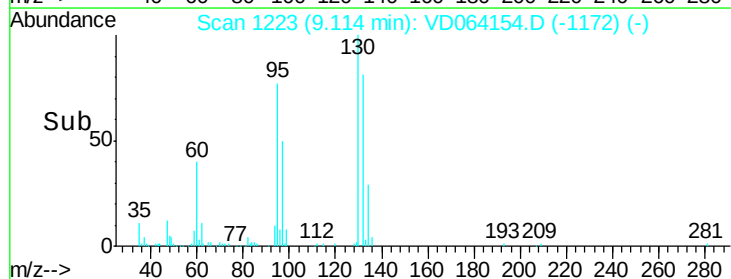
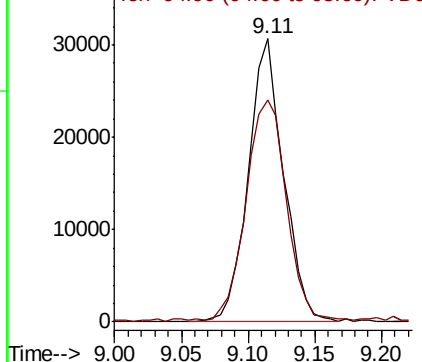
Lab File: VD064154.D

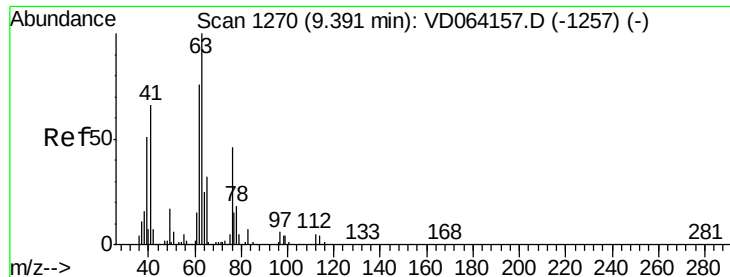
Acq: 08 Nov 2019 13:40

Tgt Ion:	130	Resp:	55649
Ion	Ratio	Lower	Upper
130	100		
95	77.7	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





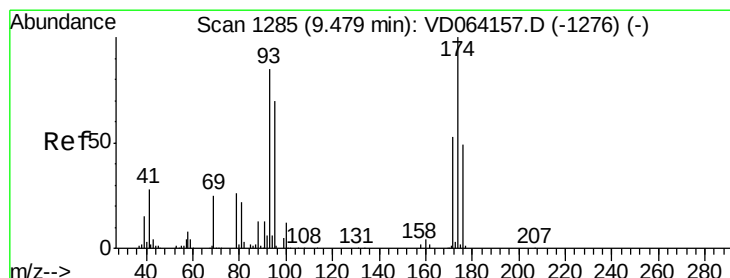
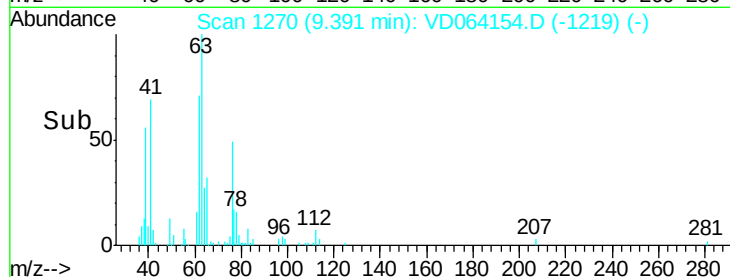
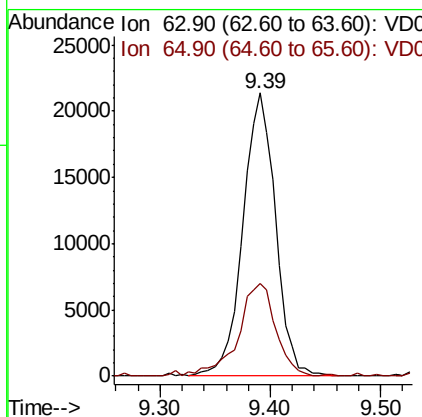
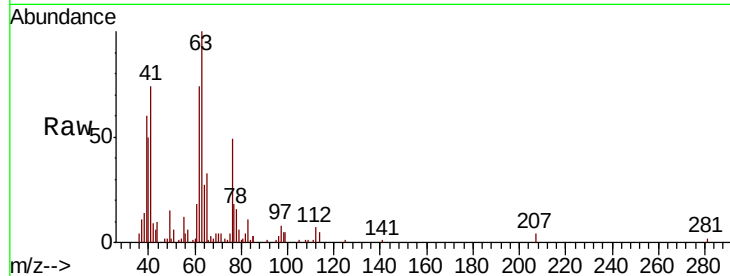
#45
 1,2-Dichloropropane
 Concen: 5.096 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	63	Resp	44264
Ion Ratio	Lower	Upper	
63	100		
65	32.6	25.7	38.5

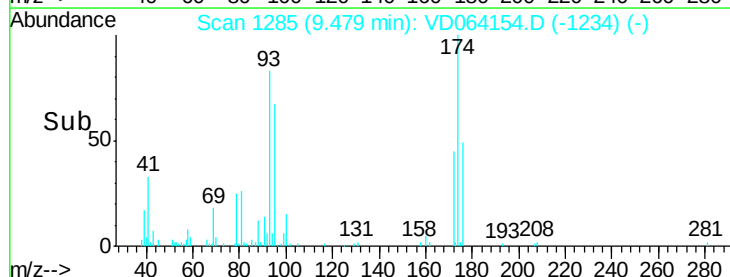
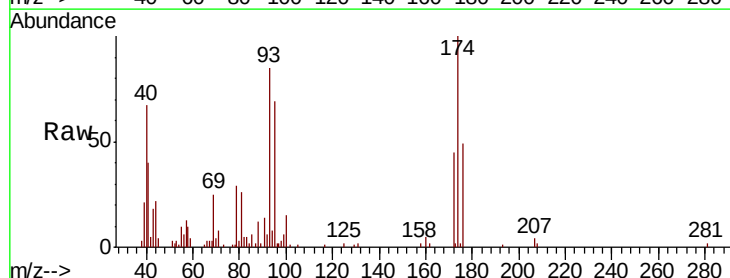
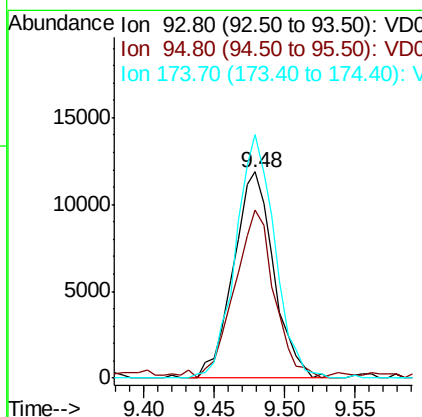
Manual Integrations
 APPROVED

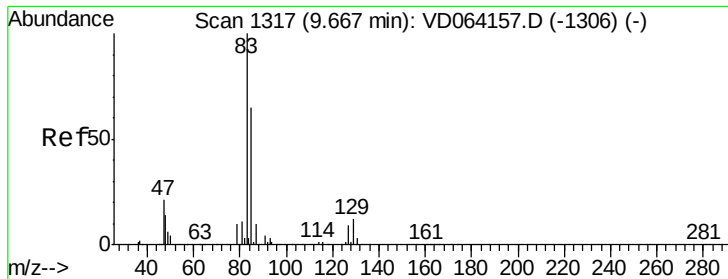
MMDadoda
 11/13/2019 11:06:34 AM



#46
 Dibromomethane
 Concen: 4.647 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	93	Resp	23696
Ion Ratio	Lower	Upper	
93	100		
95	81.0	65.5	98.3
174	114.2	93.9	140.9





#47

Bromodichloromethane

Concen: 4.877 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

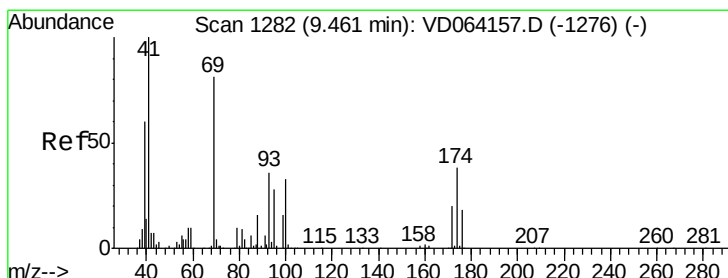
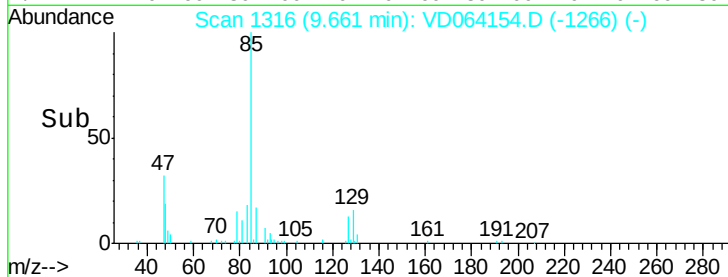
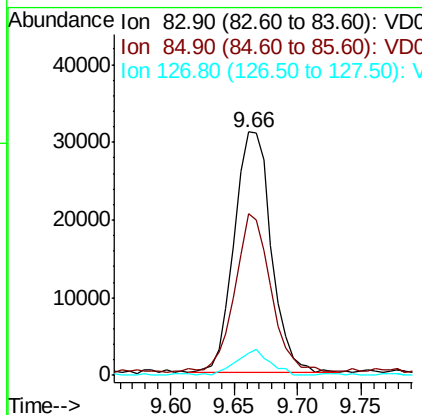
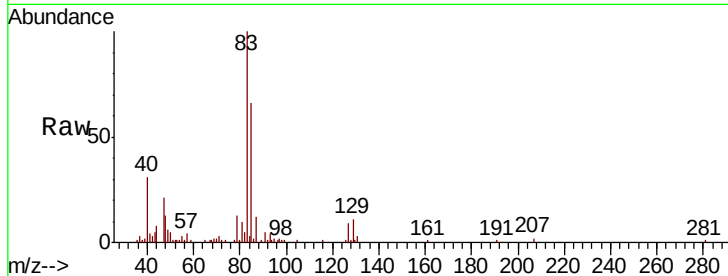
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	63300
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4
127	8.3	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#48

Methyl methacrylate

Concen: 7.252 ug/l

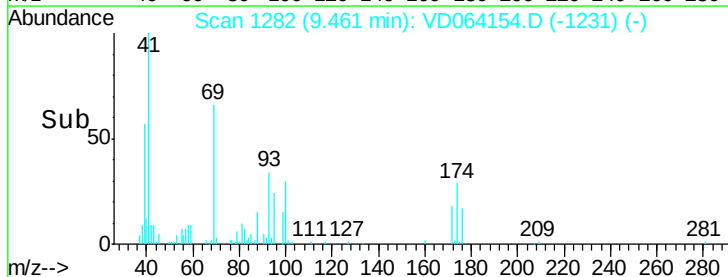
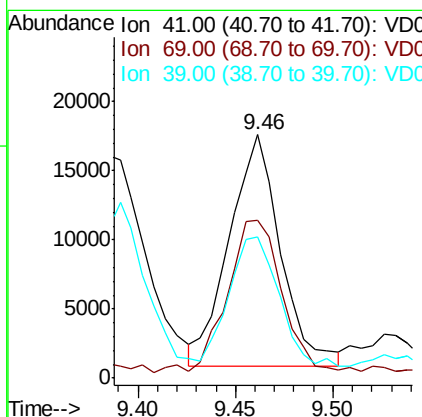
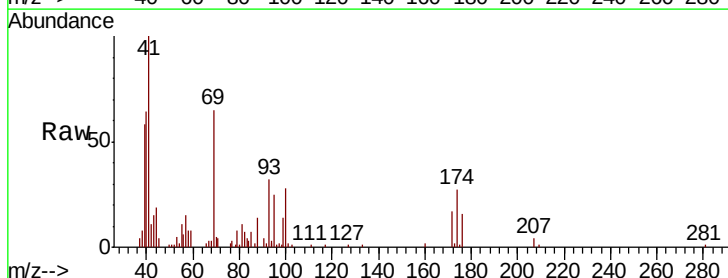
RT: 9.46 min Scan# 1282

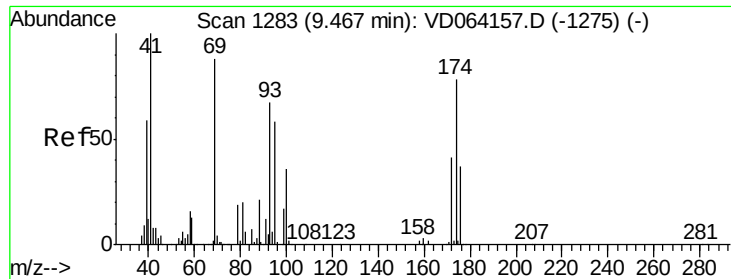
Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	41	Resp:	30342
Ion	Ratio	Lower	Upper
41	100		
69	69.7	64.6	97.0
39	54.2	48.2	72.2





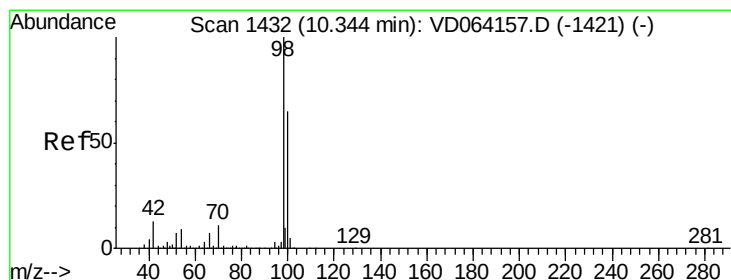
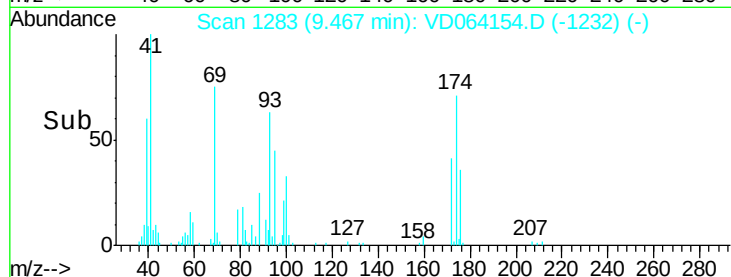
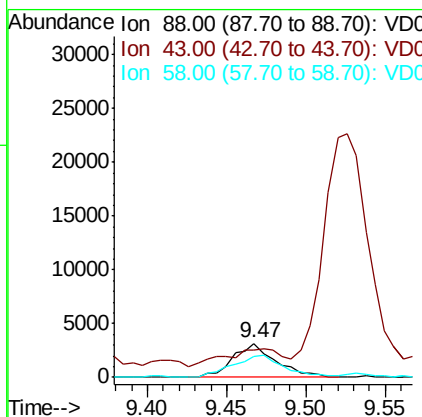
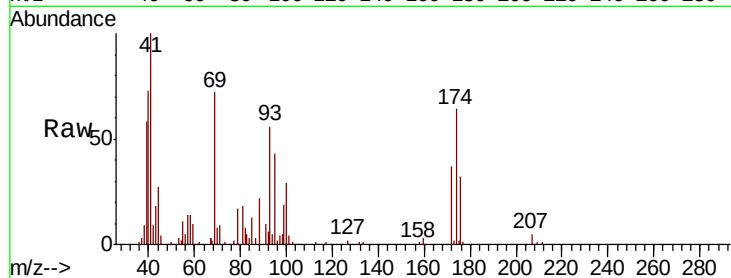
#49
1,4-Dioxane
Concen: 102.876 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.9	29.8	44.8#
58	78.2	58.1	87.1

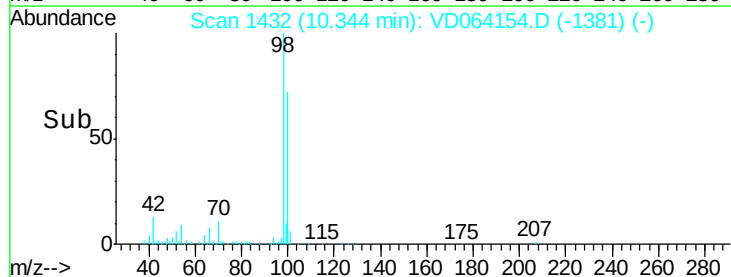
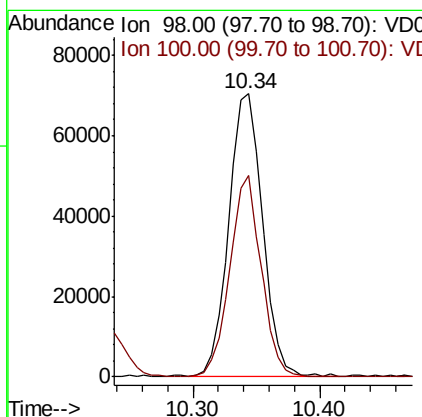
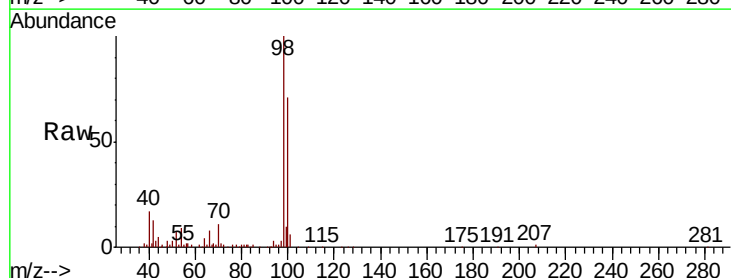
Manual Integrations
APPROVED

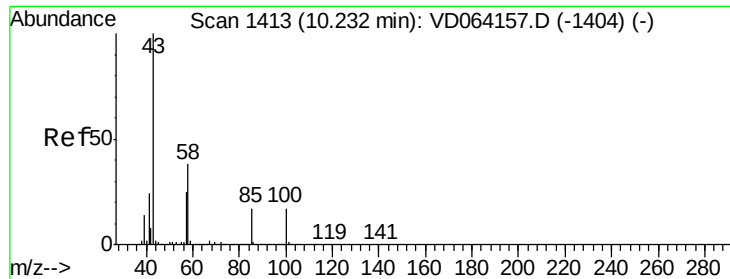
MMDadoda
11/13/2019 11:06:34 AM



#50
Toluene-d8
Concen: 3.684 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





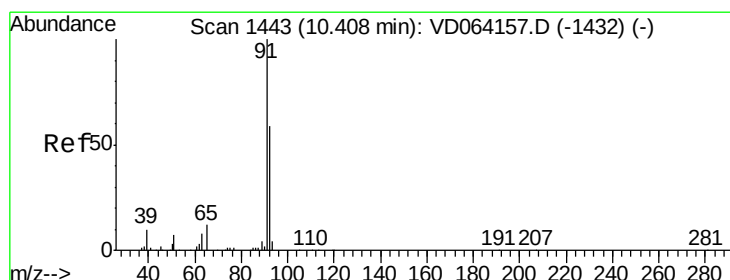
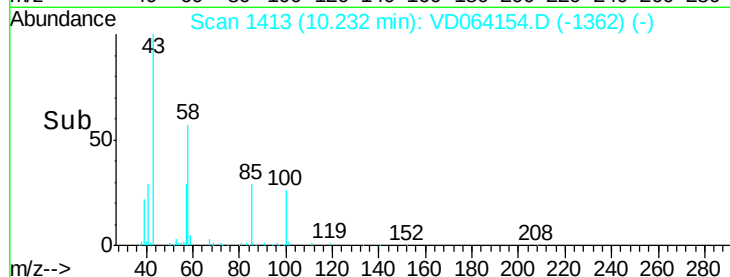
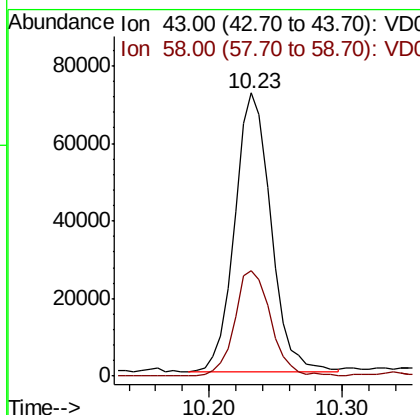
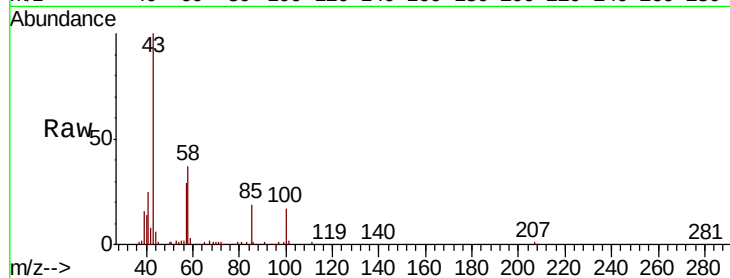
#51
 4-Methyl-2-Pentanone
 Concen: 28.448 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.2	45.4

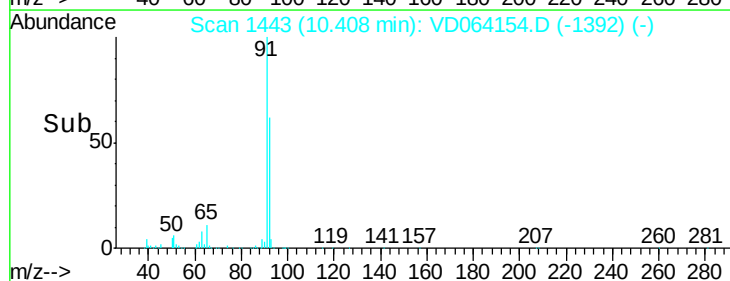
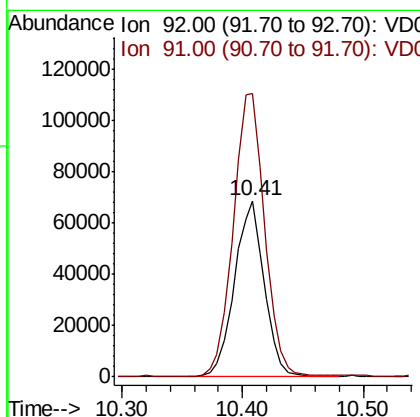
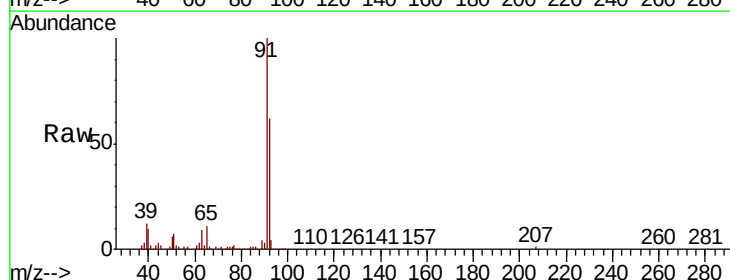
Manual Integrations
 APPROVED

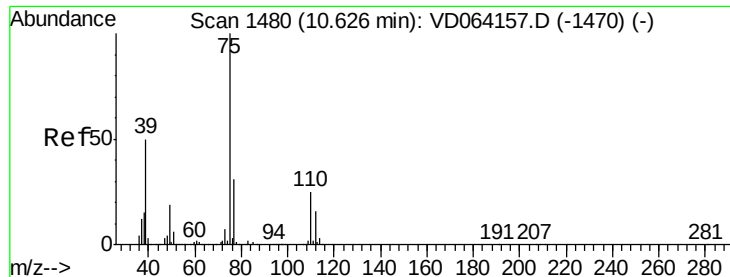
MMDadoda
 11/13/2019 11:06:34 AM



#52
 Toluene
 Concen: 4.616 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.4	204.6





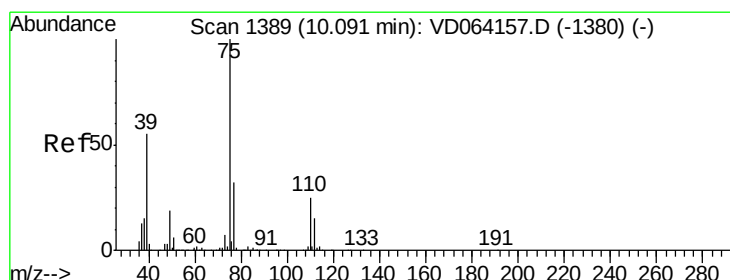
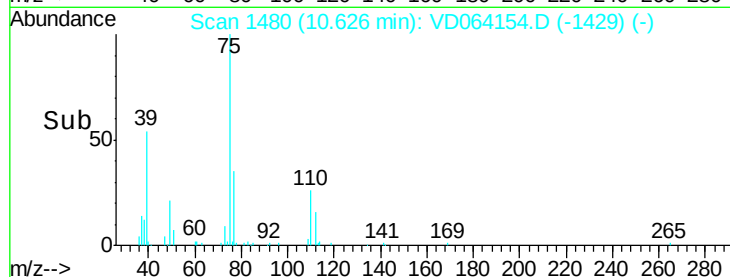
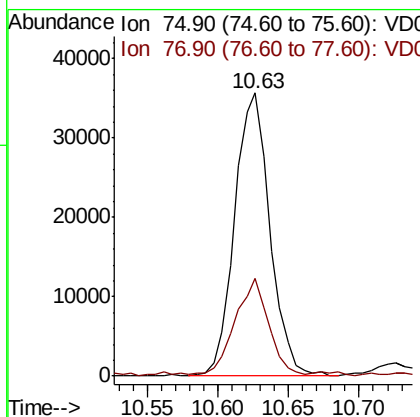
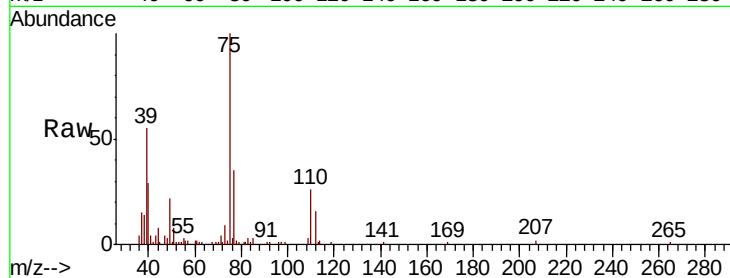
#53
t-1,3-Dichloropropene
Concen: 5.105 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 62329
Ion Ratio Lower Upper
75 100
77 33.9 24.7 37.1

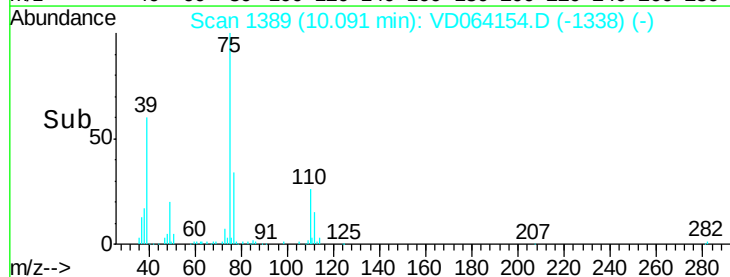
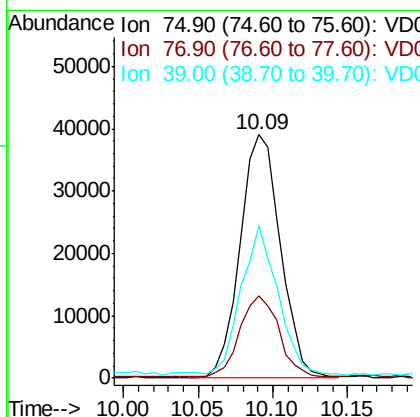
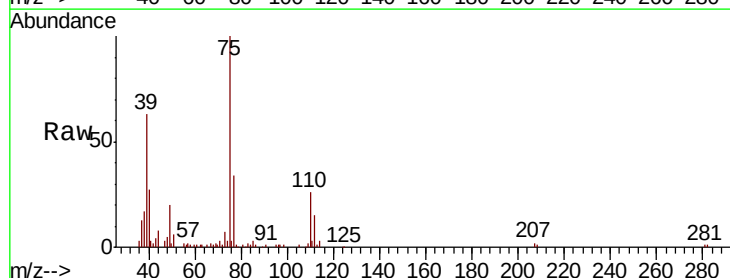
Manual Integrations
APPROVED

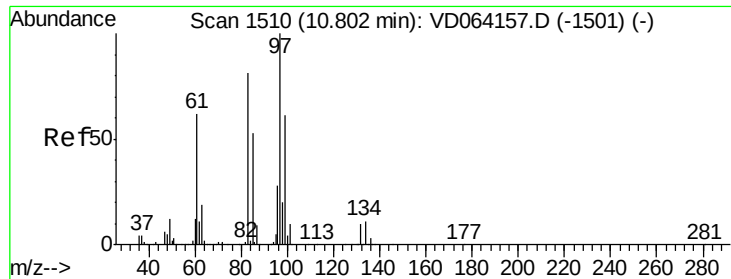
MMDadoda
11/13/2019 11:06:34 AM



#54
cis-1,3-Dichloropropene
Concen: 5.076 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 75 Resp: 73144
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8
39 61.2 44.2 66.2





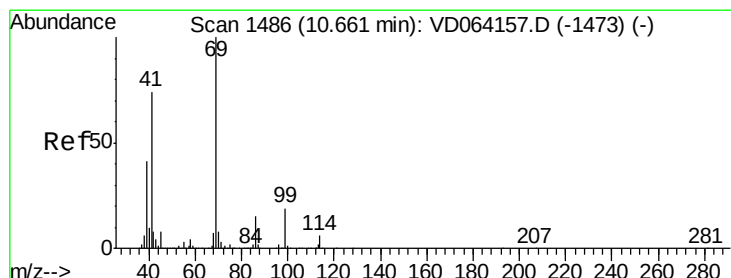
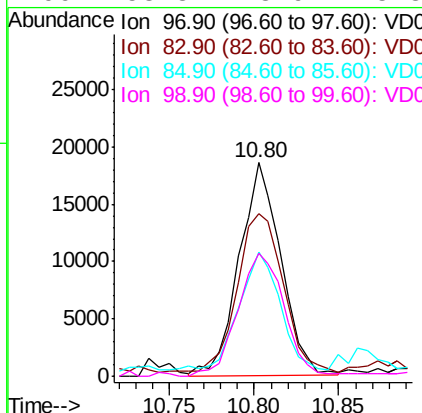
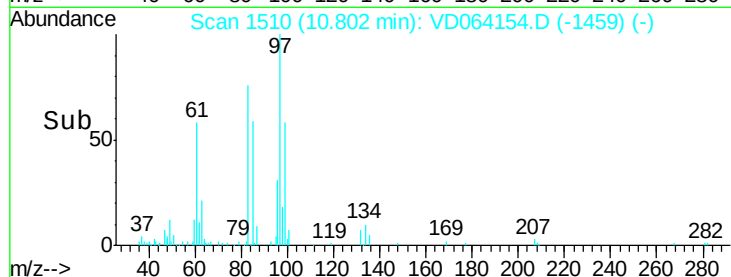
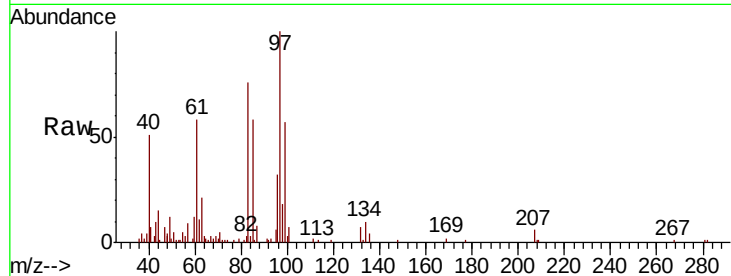
#55
 1,1,2-Trichloroethane
 Concen: 4.454 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	31915
Ion	Ratio	Lower	Upper
97	100		
83	75.1	65.1	97.7
85	54.0	42.0	63.0
99	58.3	48.9	73.3

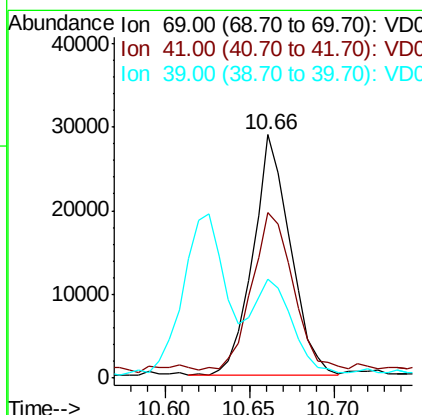
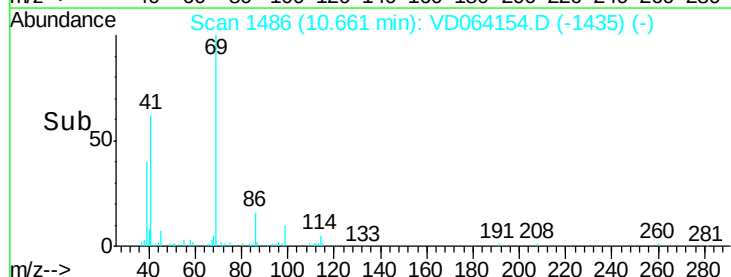
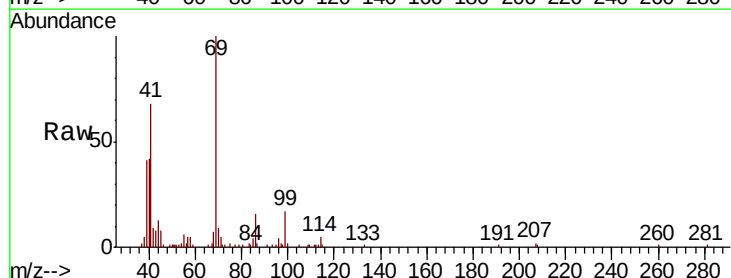
Manual Integrations
 APPROVED

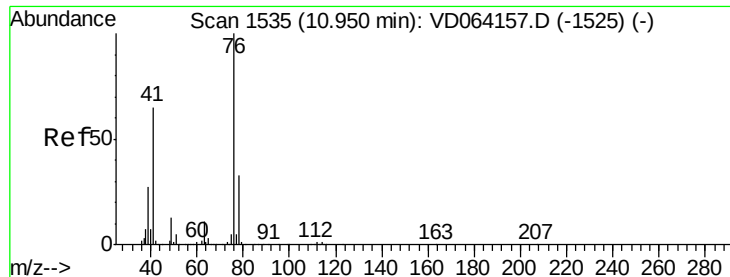
MMDadoda
 11/13/2019 11:06:34 AM



#56
 Ethyl methacrylate
 Concen: 5.436 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion:	69	Resp:	43896
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.9	86.9
39	41.4	29.0	43.4





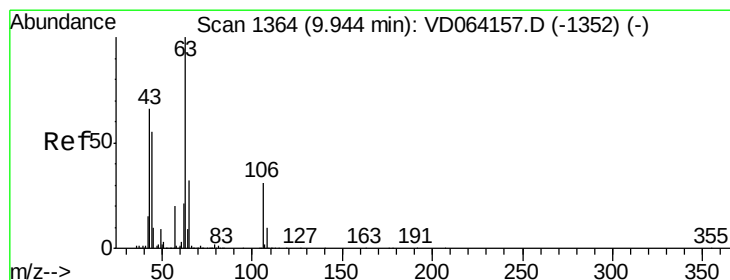
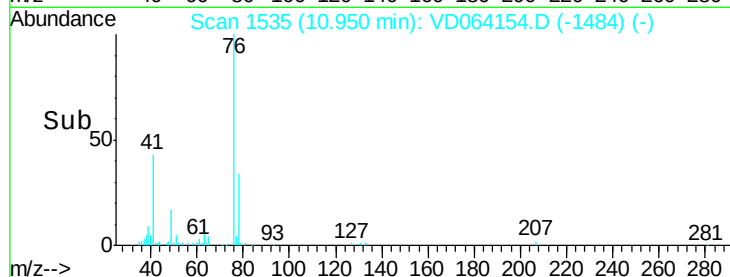
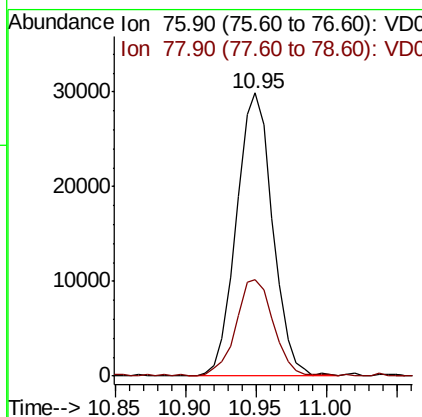
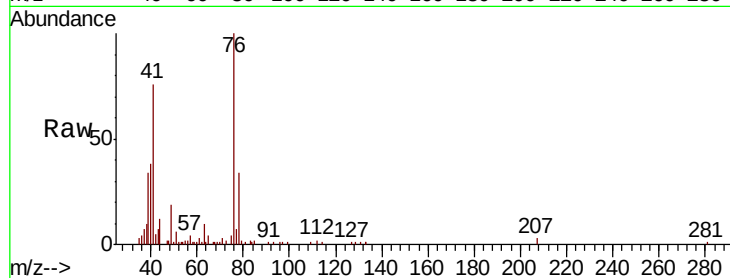
#57
 1,3-Dichloropropane
 Concen: 4.479 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 53543
 Ion Ratio Lower Upper
 76 100
 78 35.7 26.2 39.4

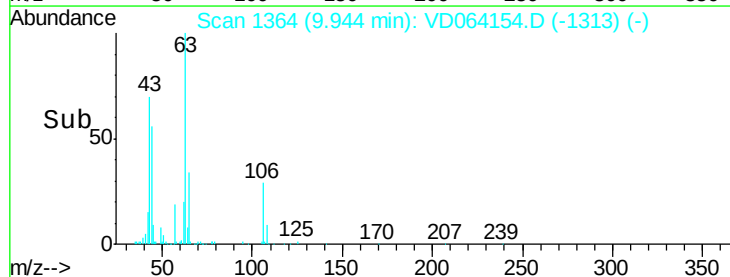
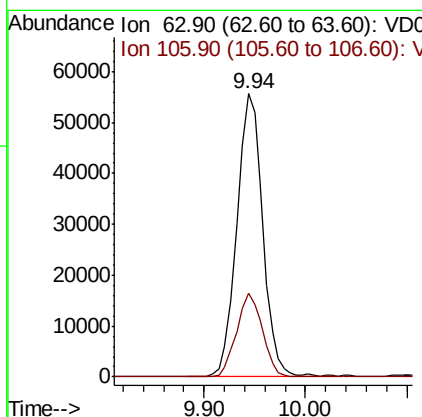
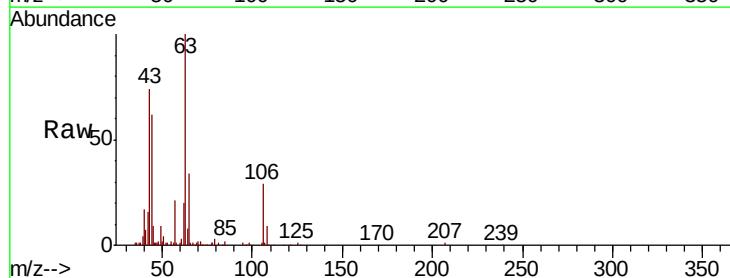
Manual Integrations
 APPROVED

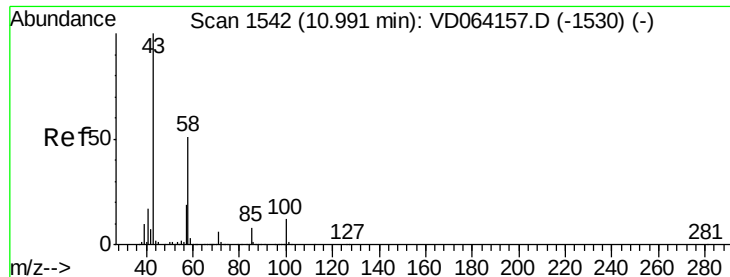
MMDadoda
 11/13/2019 11:06:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.895 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 63 Resp: 98579
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.1 36.1





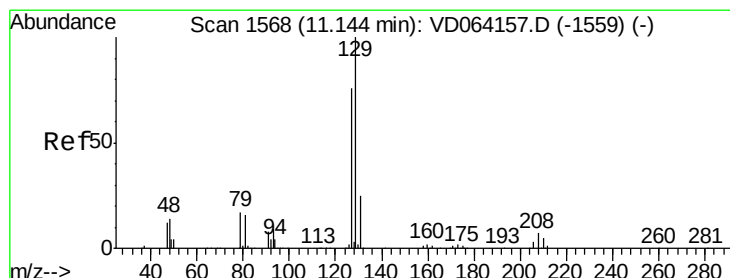
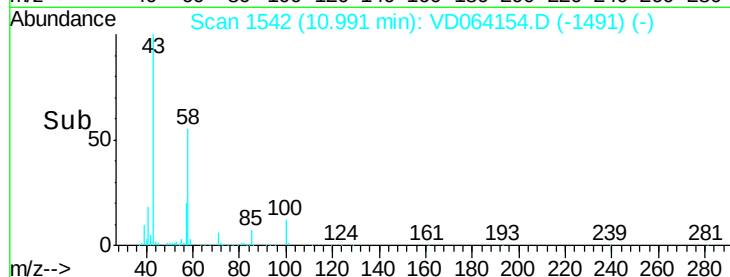
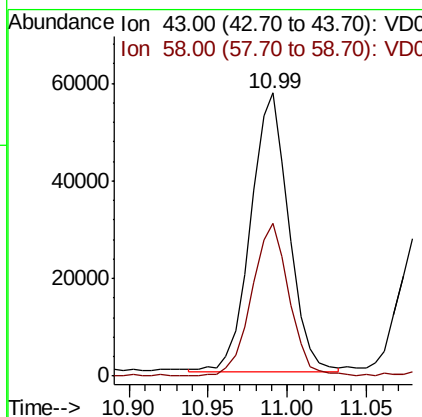
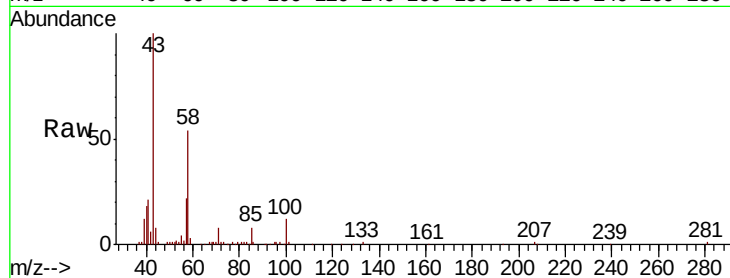
#59
2-Hexanone
Concen: 28.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 94940
Ion Ratio Lower Upper
43 100
58 54.5 25.9 77.7

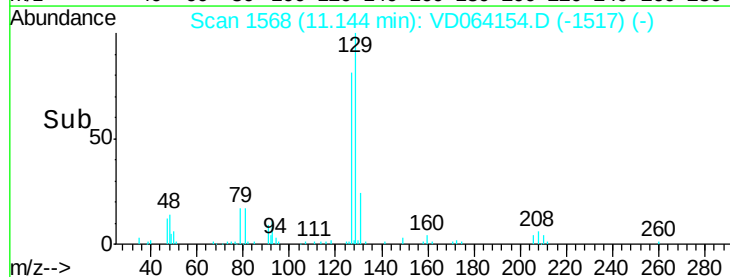
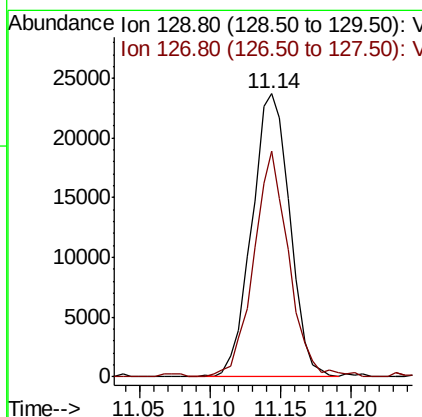
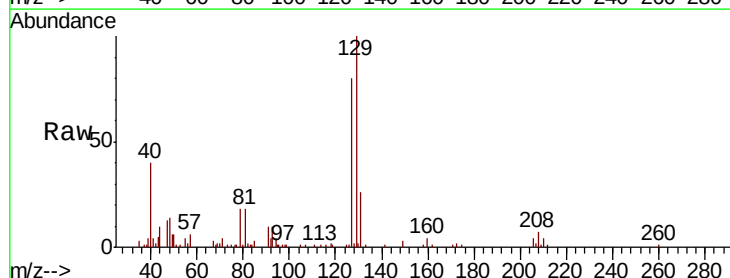
Manual Integrations
APPROVED

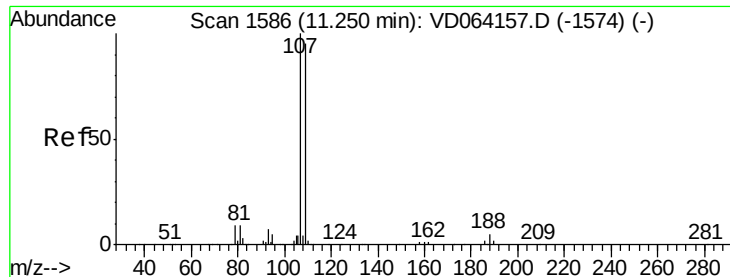
MMDadoda
11/13/2019 11:06:34 AM



#60
Dibromochloromethane
Concen: 4.595 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 129 Resp: 44790
Ion Ratio Lower Upper
129 100
127 73.9 38.6 115.8





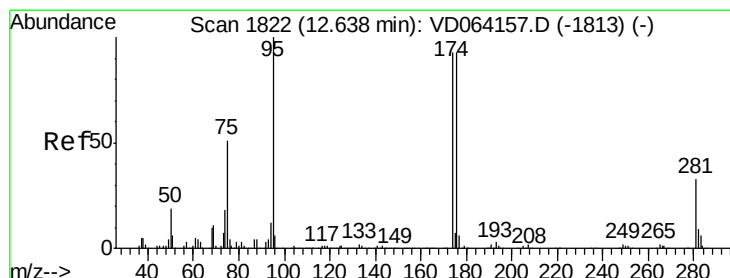
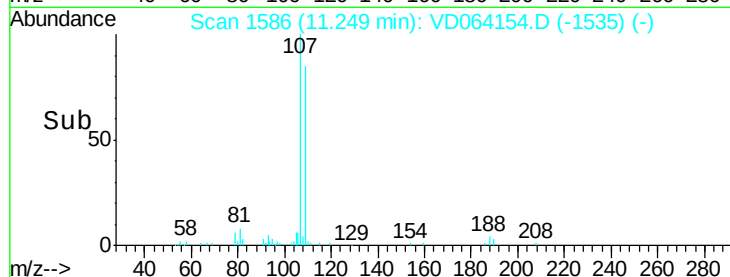
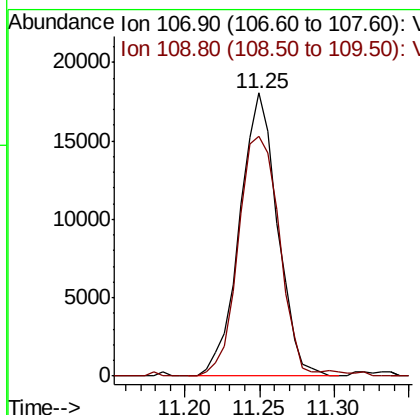
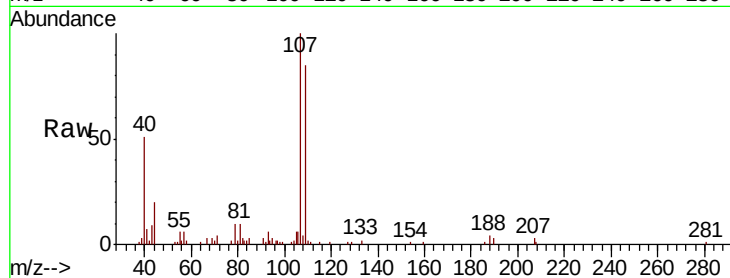
#61
 1,2-Dibromoethane
 Concen: 4.449 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 31781
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.1 112.7

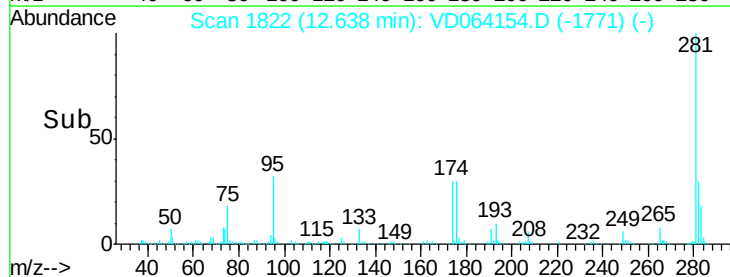
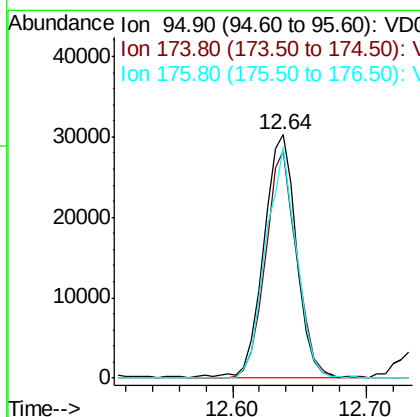
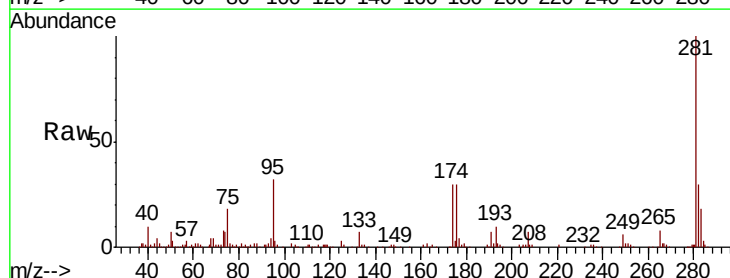
Manual Integrations
 APPROVED

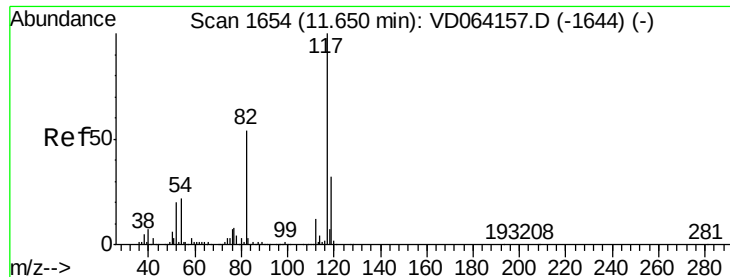
MMDadoda
 11/13/2019 11:06:34 AM



#62
 4-Bromofluorobenzene
 Concen: 4.388 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 95 Resp: 51398
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 183.6
 176 89.1 0.0 180.2





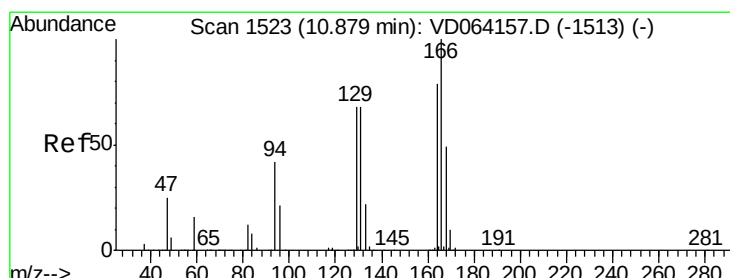
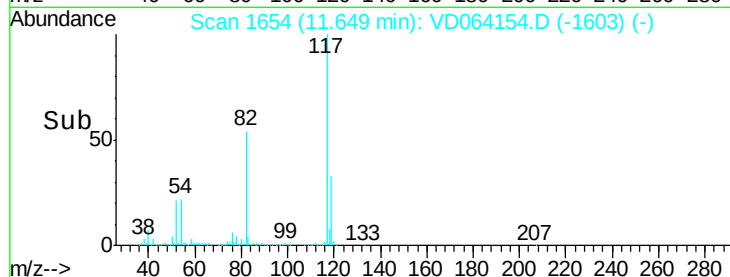
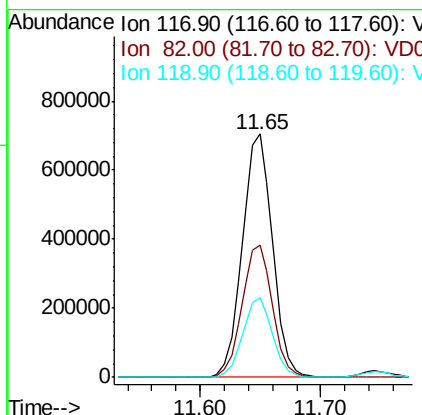
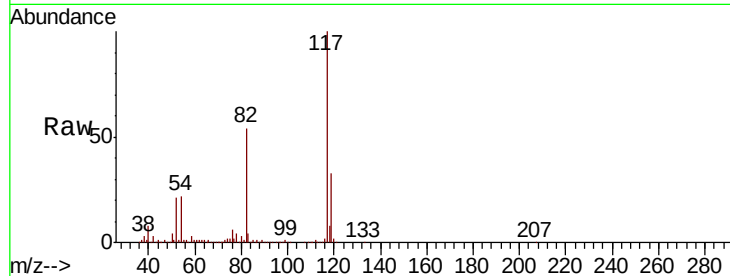
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	32.9	25.6	38.4

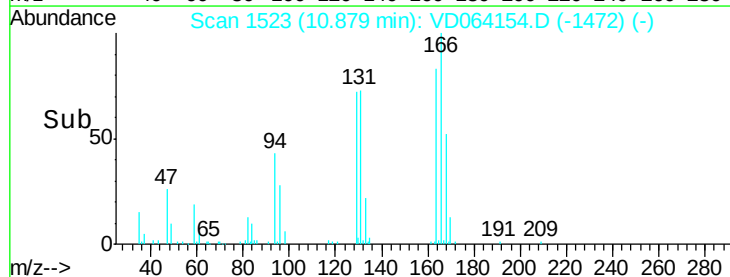
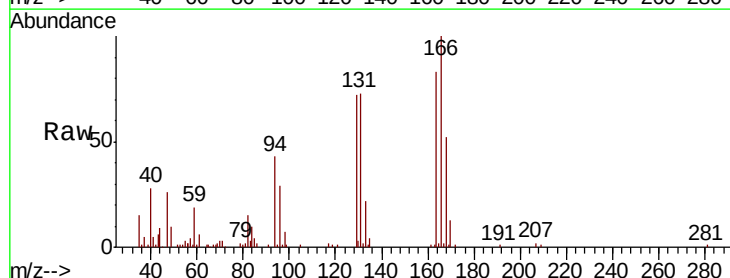
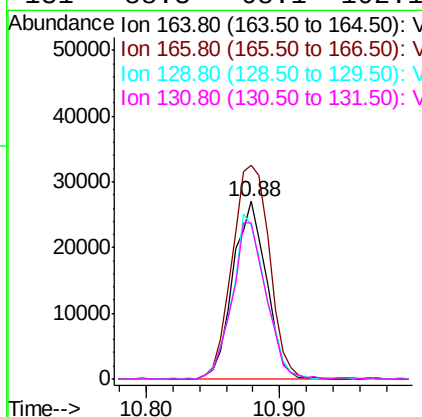
Manual Integrations
APPROVED

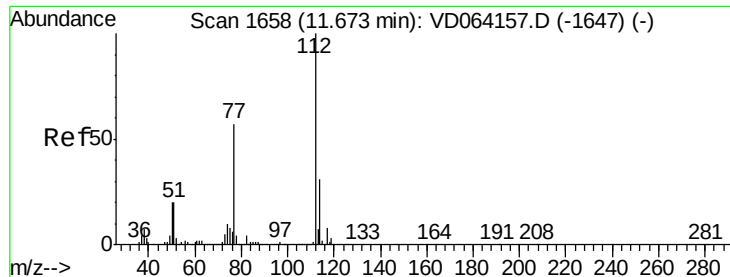
MMDadoda
11/13/2019 11:06:34 AM



#64
Tetrachloroethene
Concen: 5.235 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	100.8	151.2
129	85.6	68.7	103.1
131	88.3	68.1	102.1





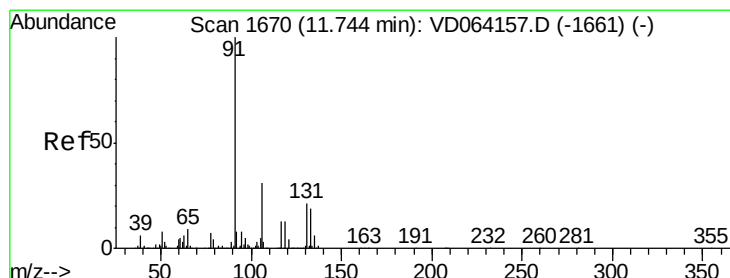
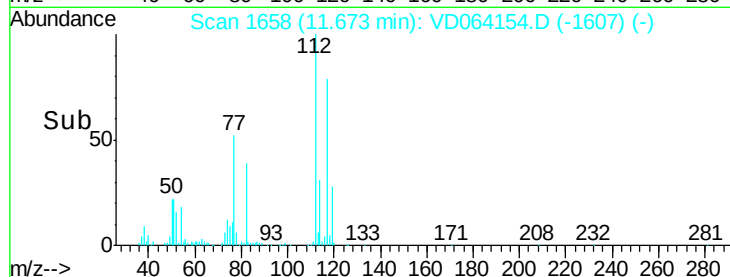
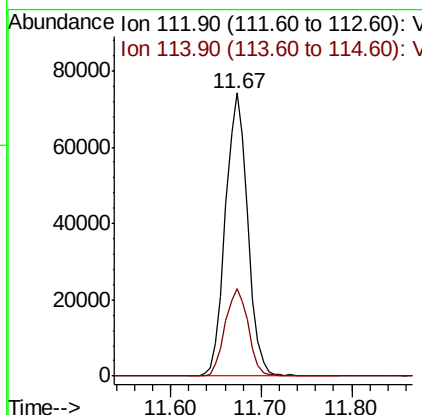
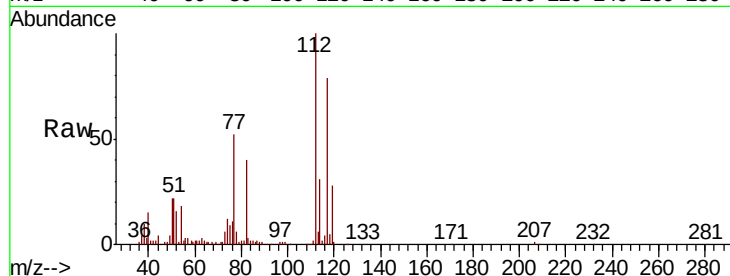
#65
Chlorobenzene
Concen: 4.989 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.2	37.8

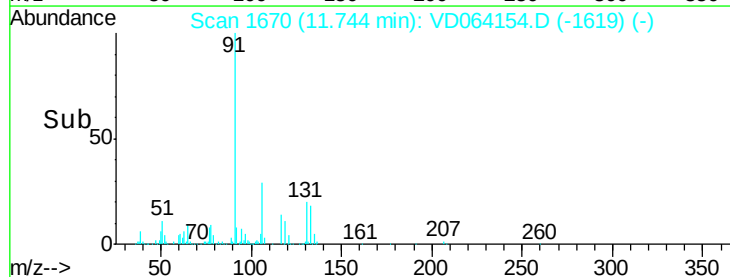
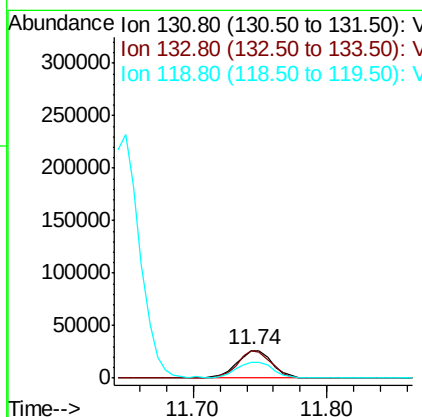
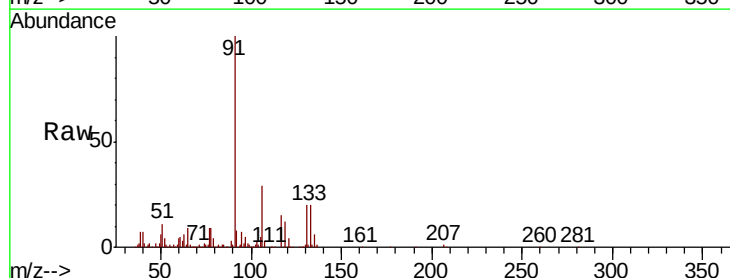
Manual Integrations
APPROVED

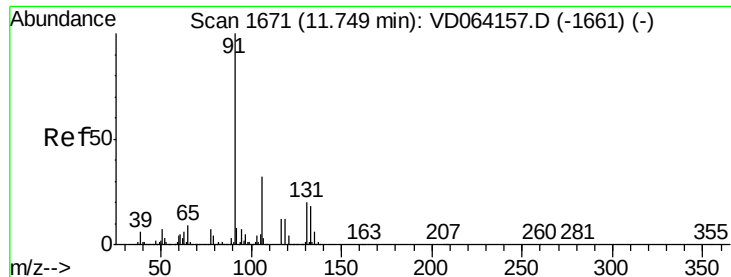
MMDadoda
11/13/2019 11:06:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.960 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.3	141.9
119	63.0	31.1	93.3





#67

Ethyl Benzene

Concen: 5.084 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 230230

Ion Ratio Lower Upper

91 100

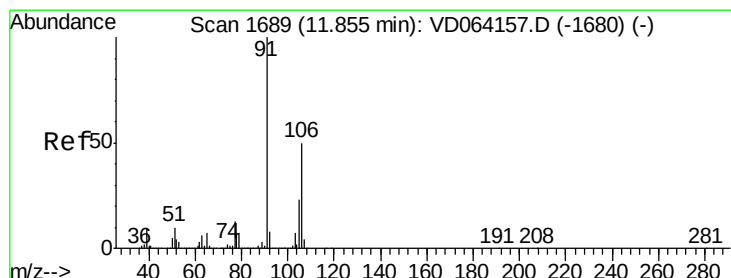
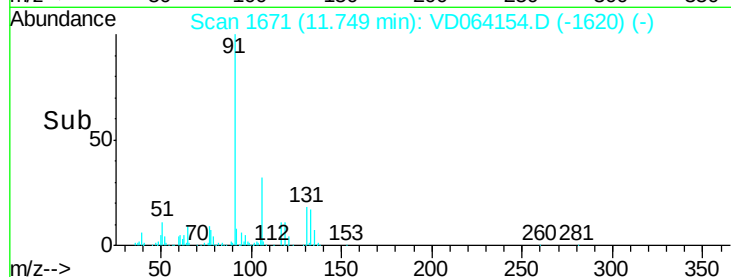
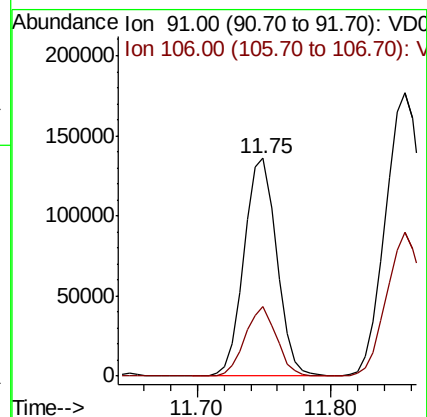
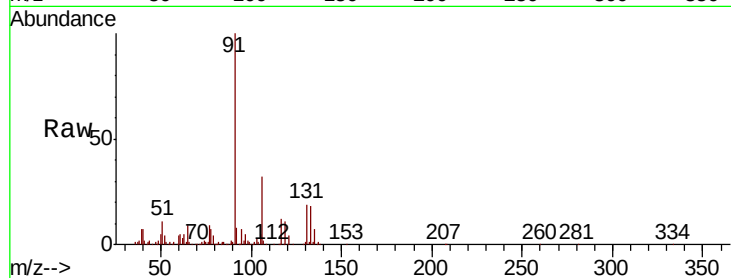
106 32.0 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:34 AM



#68

m/p-Xylenes

Concen: 9.528 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064154.D

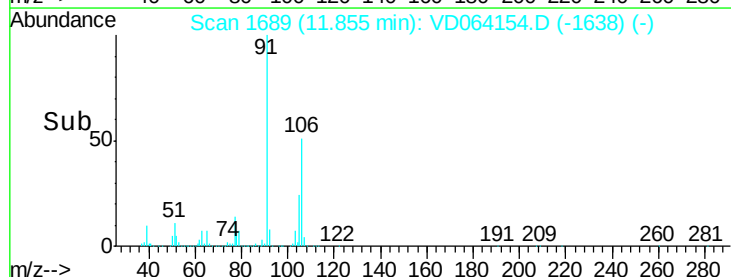
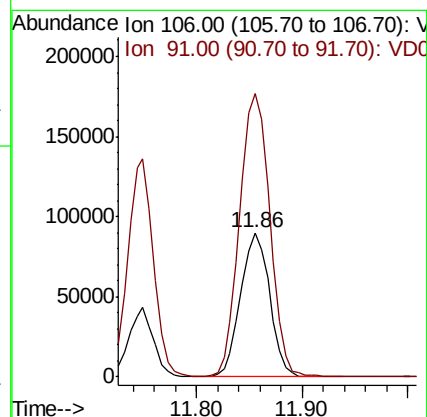
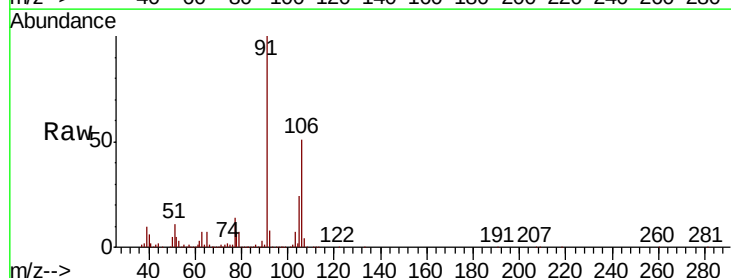
Acq: 08 Nov 2019 13:40

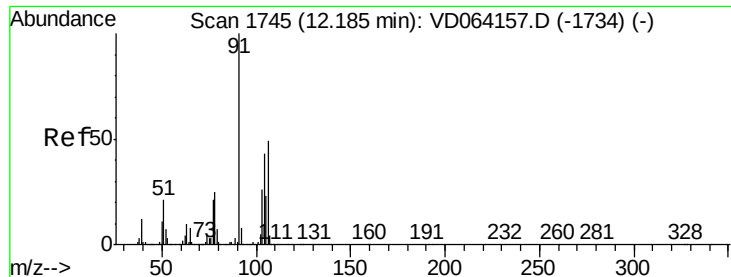
Tgt Ion: 106 Resp: 171991

Ion Ratio Lower Upper

106 100

91 204.2 160.3 240.5





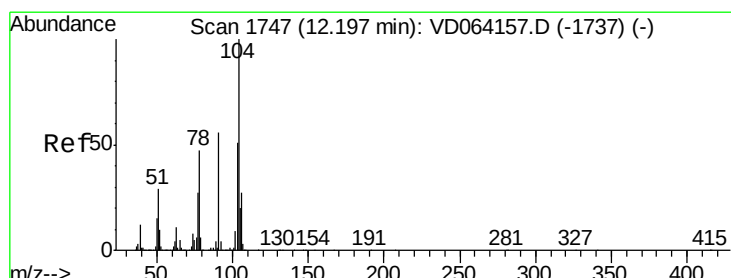
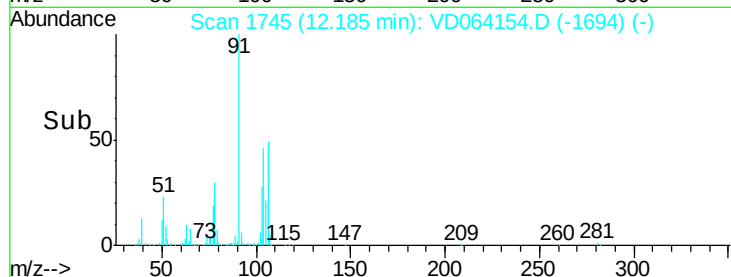
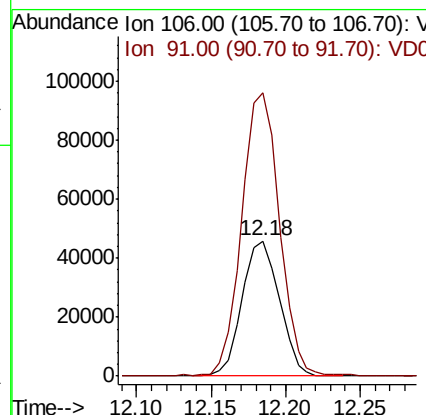
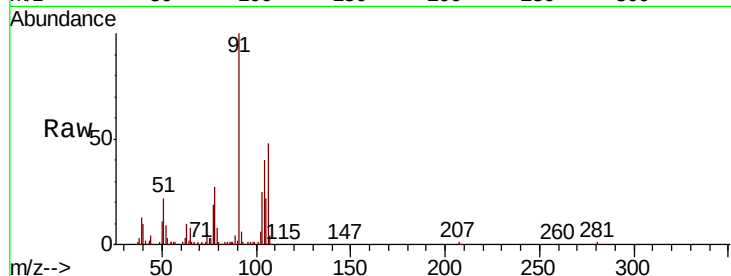
#69
o-Xylene
Concen: 4.833 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.5	105.1	315.3

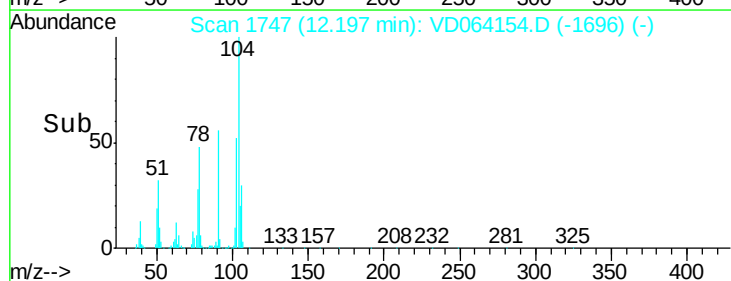
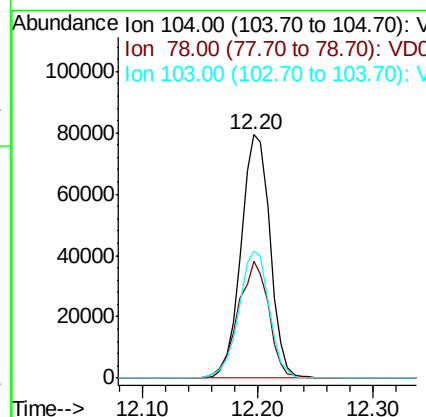
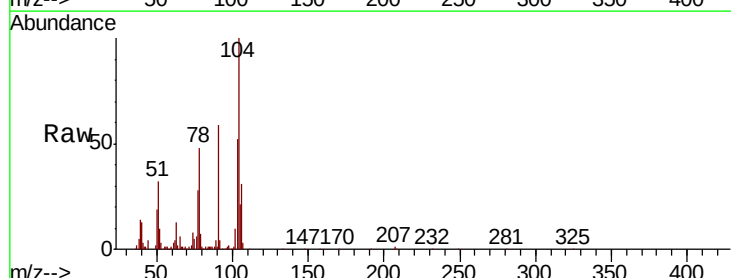
Manual Integrations
APPROVED

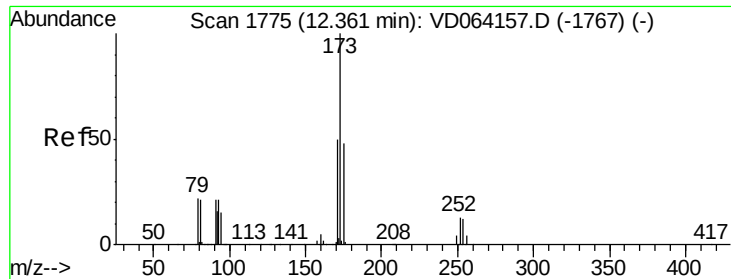
MMDadoda
11/13/2019 11:06:34 AM



#70
Styrene
Concen: 4.864 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.9	59.9
103	55.0	43.4	65.0





#71

Bromoform

Concen: 4.992 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

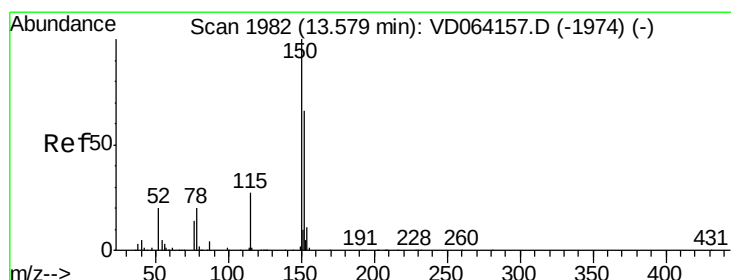
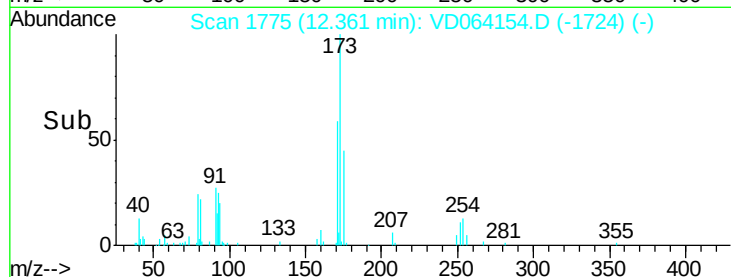
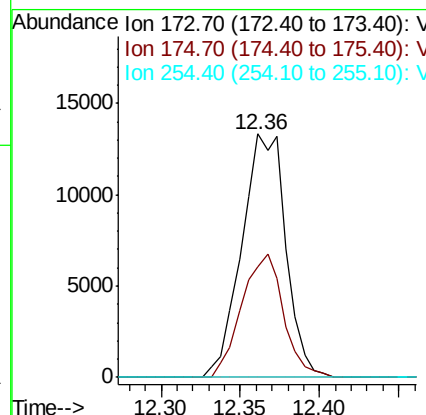
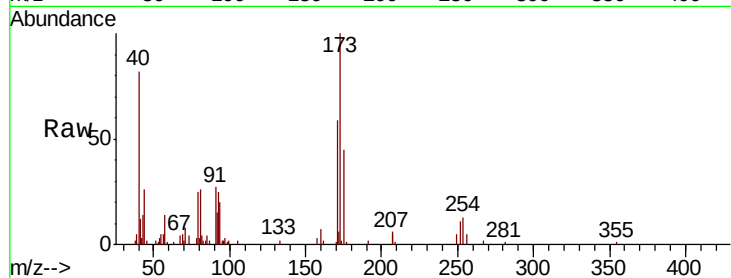
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	25721
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.1	72.3
254	0.0	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

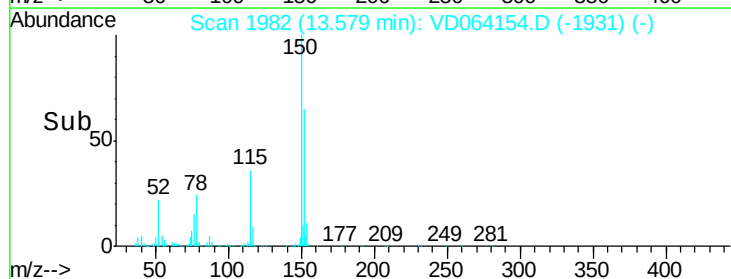
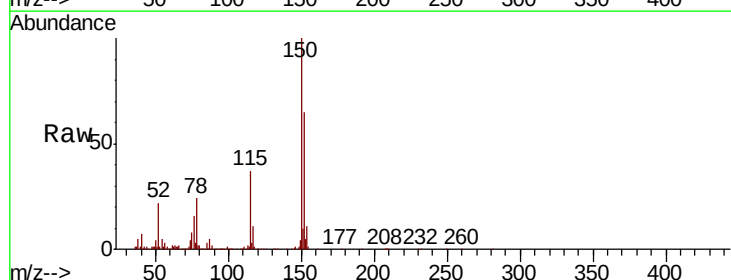
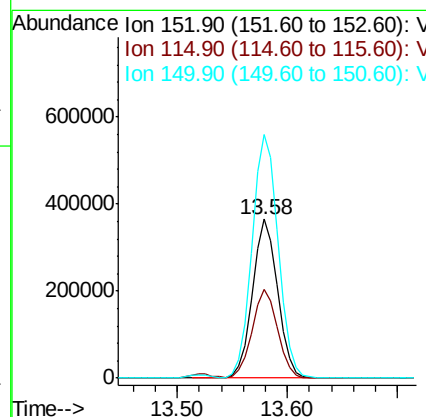
RT: 13.58 min Scan# 1982

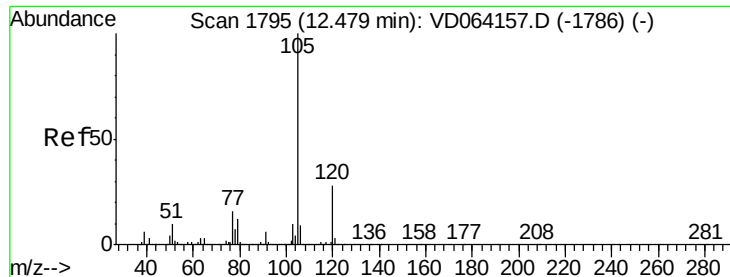
Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	152	Resp:	584101
Ion Ratio	Lower	Upper	
152	100		
115	56.4	27.4	82.2
150	159.4	0.0	351.6





#73

Isopropylbenzene

Concen: 5.354 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 221267

Ion Ratio Lower Upper

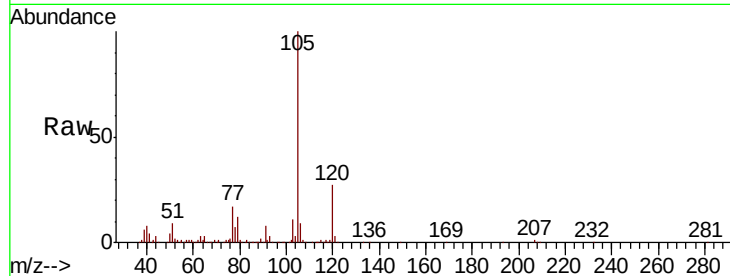
105 100

120 26.7 13.6 40.8

Manual Integrations
APPROVED

MMDadoda

11/13/2019 11:06:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

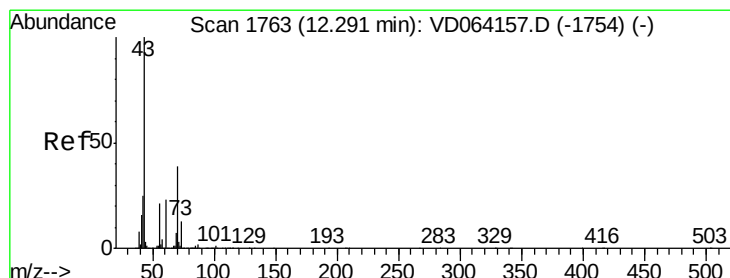
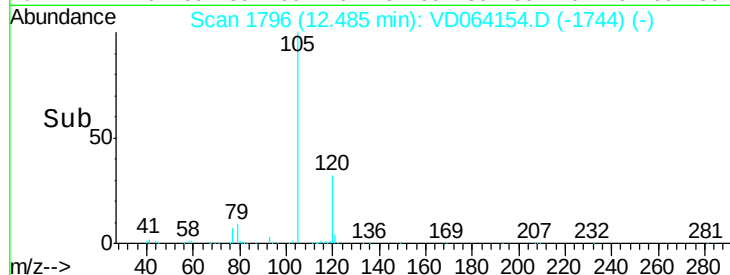
100000

50000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 7.010 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion: 43 Resp: 51316

Ion Ratio Lower Upper

43 100

70 40.0 32.4 48.6

55 22.8 17.9 26.9

61 23.4 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

50000

40000

30000

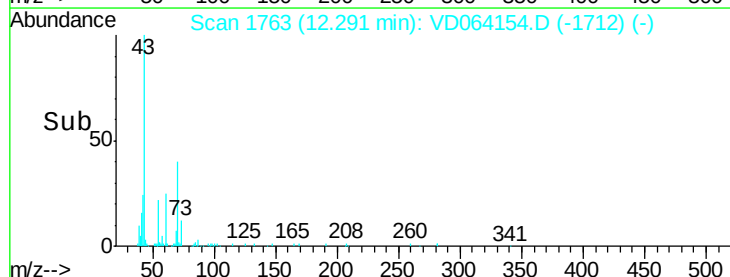
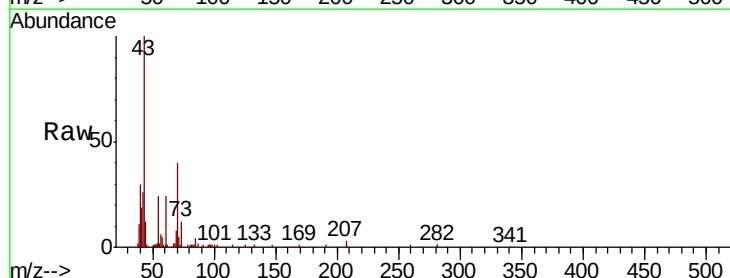
20000

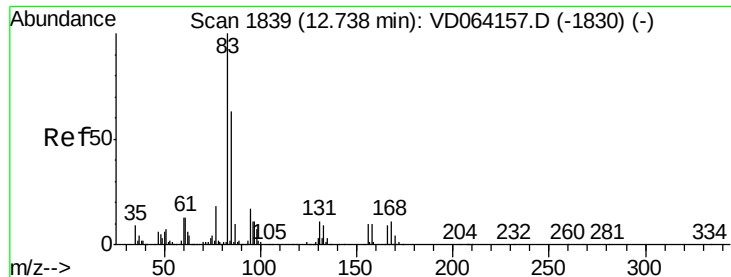
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.923 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

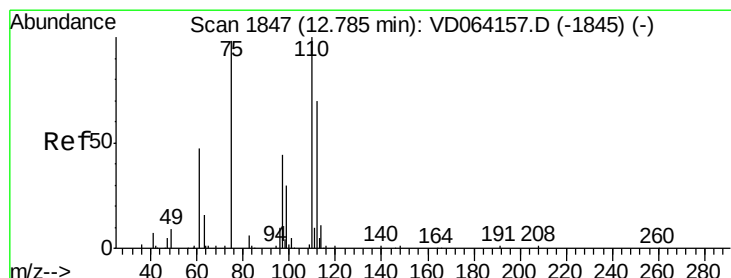
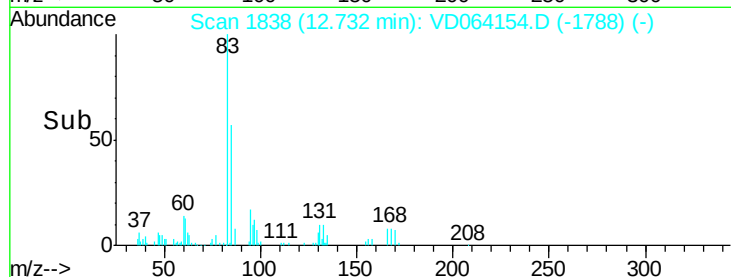
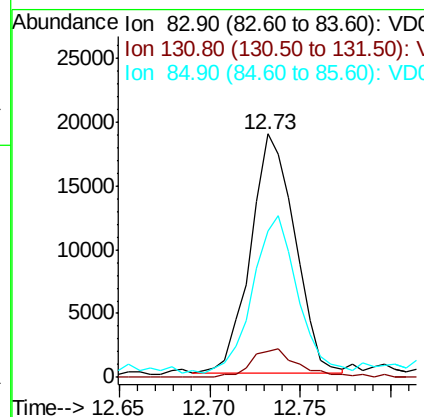
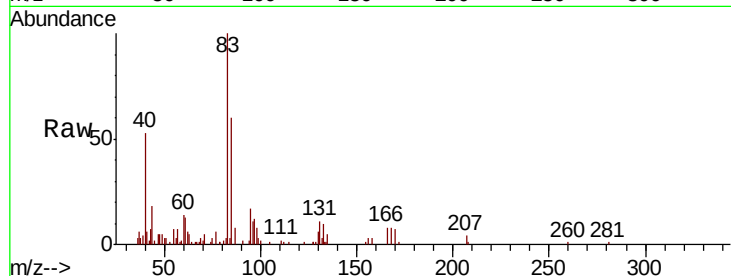
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	31890
Ion	Ratio	Lower	Upper
83	100		
131	12.9	5.9	17.7
85	65.7	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#76

1,2,3-Trichloropropane

Concen: 4.605 ug/l m

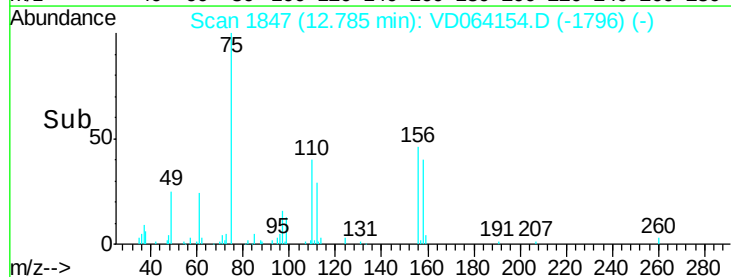
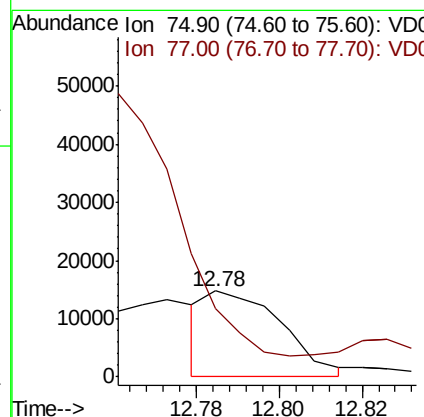
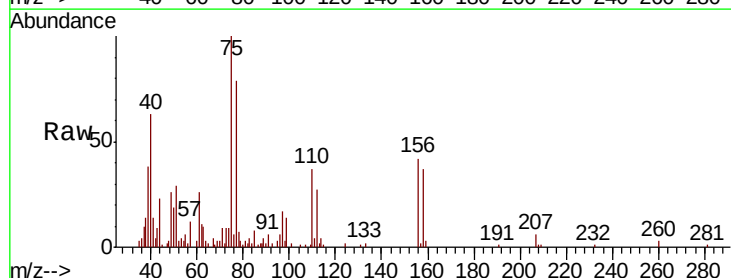
RT: 12.78 min Scan# 1847

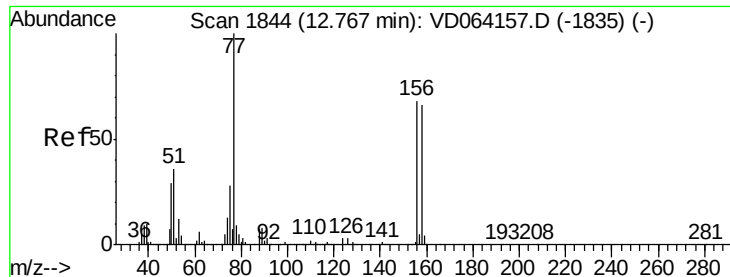
Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion:	75	Resp:	18645
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.255 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 156 Resp: 52618

Ion Ratio Lower Upper

156 100

77 166.6 81.2 243.4

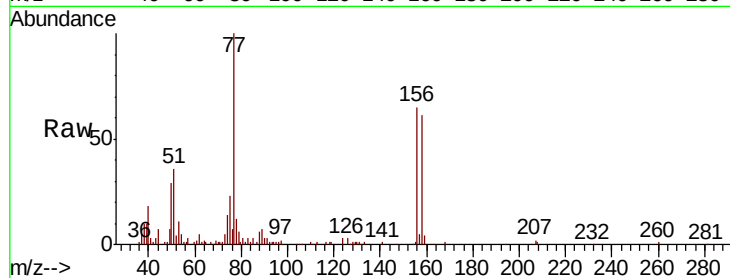
158 96.8 48.4 145.2

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:34 AM



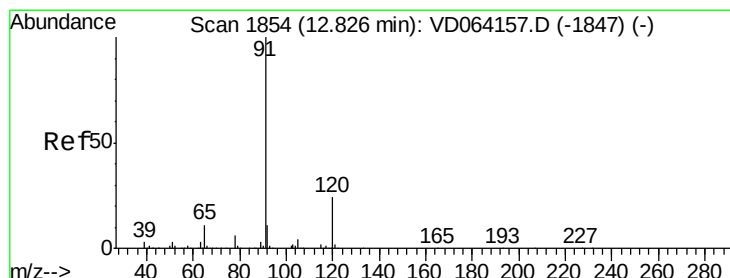
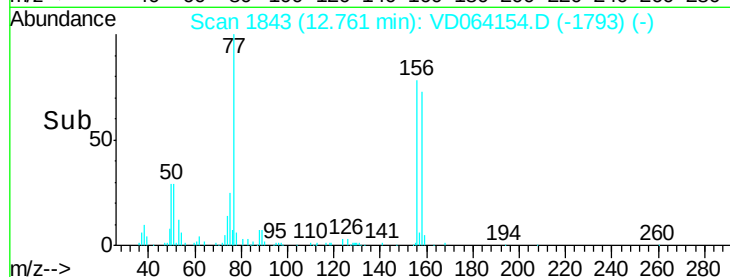
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

12.76

Time-->



#78

n-propylbenzene

Concen: 5.307 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064154.D

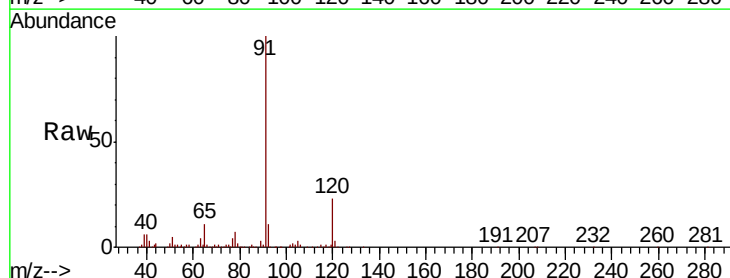
Acq: 08 Nov 2019 13:40

Tgt Ion: 91 Resp: 256013

Ion Ratio Lower Upper

91 100

120 23.1 11.8 35.4

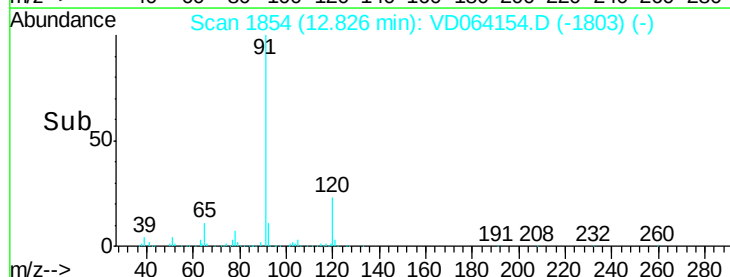


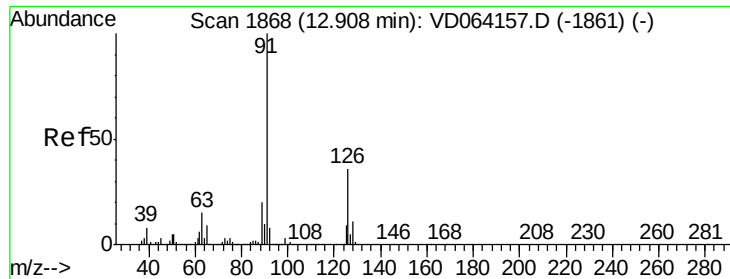
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.83

Time-->





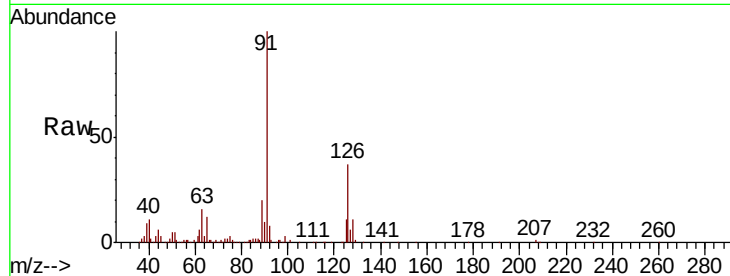
#79
 2-Chlorotoluene
 Concen: 5.453 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

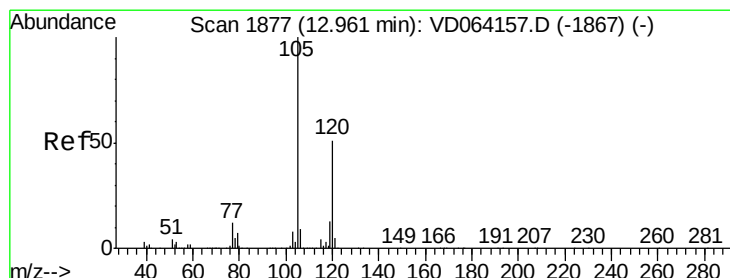
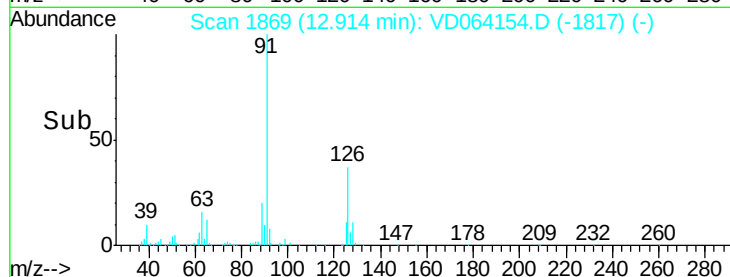
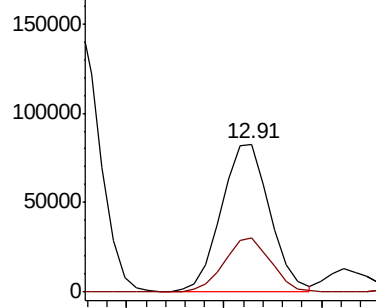
Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	35.5	17.7	53.1	

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:34 AM

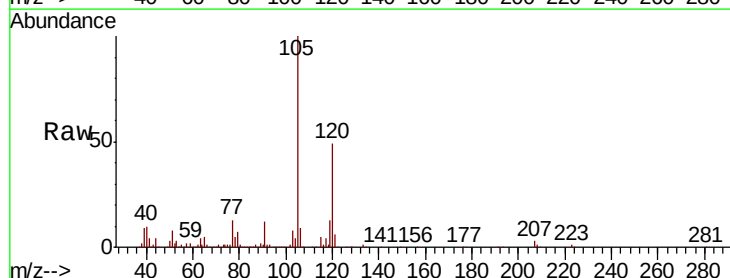


Abundance Ion 91.00 (90.70 to 91.70): VD064154.D (-1861) (-)

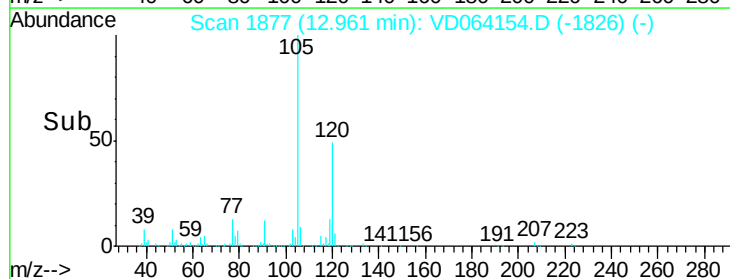
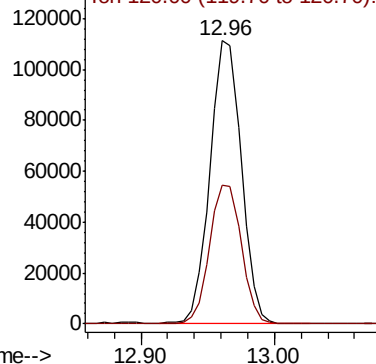


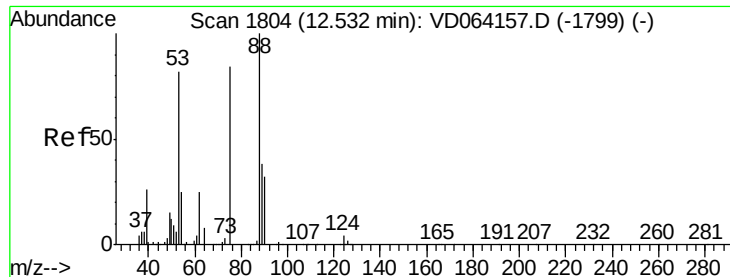
#80
 1,3,5-Trimethylbenzene
 Concen: 5.275 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.6	25.4	76.4	



Abundance Ion 105.00 (104.70 to 105.70): VD064154.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.691 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 11419

Ion Ratio Lower Upper

75 100

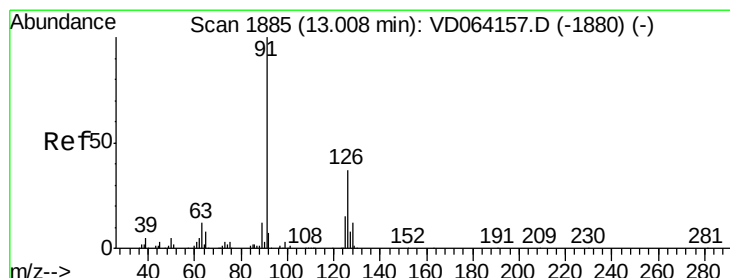
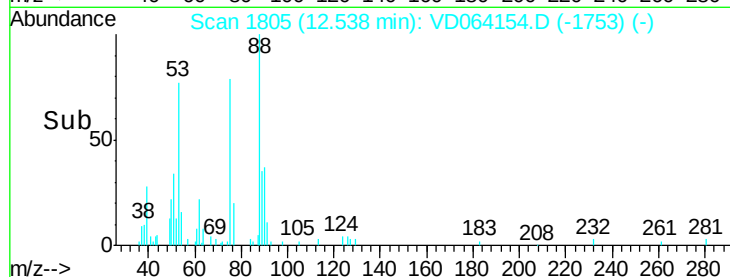
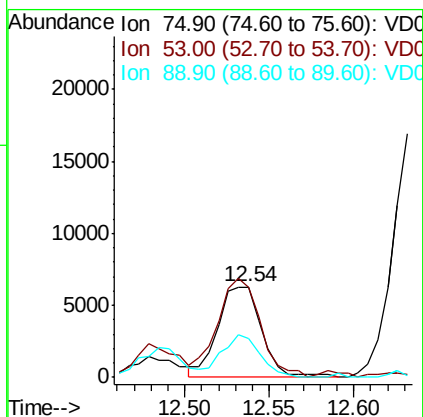
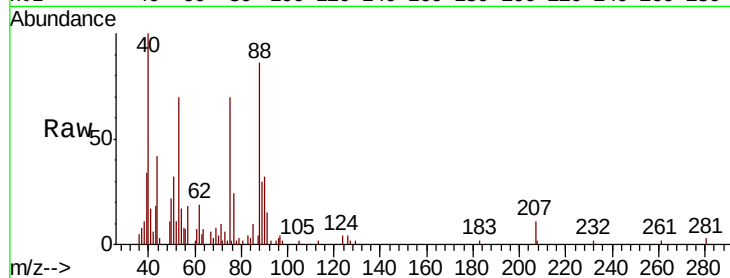
53 106.5 79.4 119.0

89 40.6 36.6 55.0

Manual Integrations
APPROVED

MMDadoda

11/13/2019 11:06:34 AM



#82

4-Chlorotoluene

Concen: 5.330 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064154.D

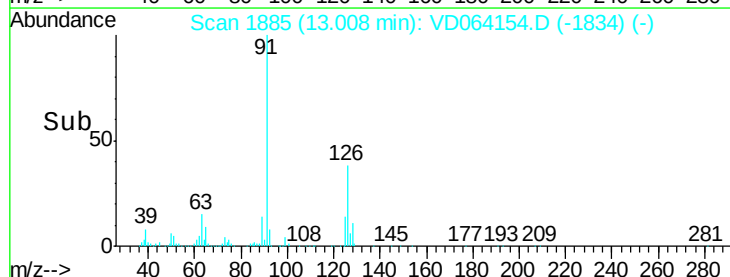
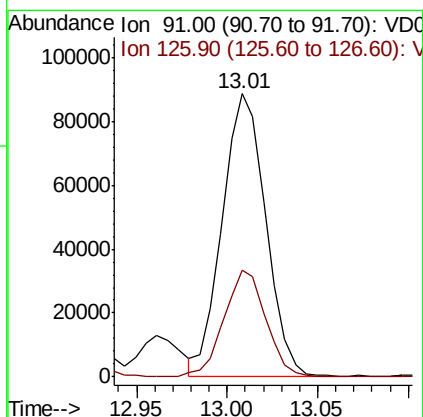
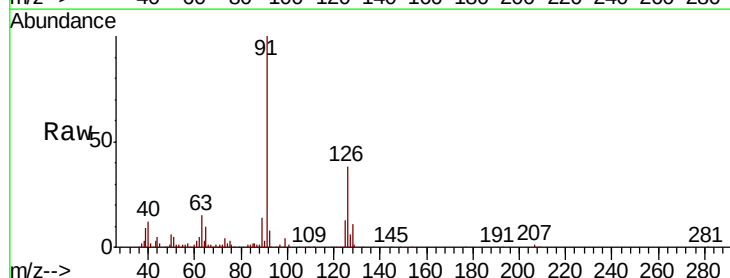
Acq: 08 Nov 2019 13:40

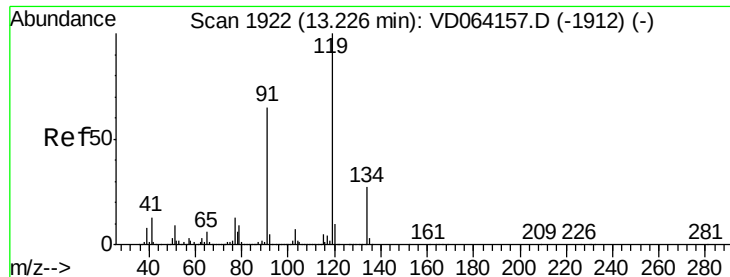
Tgt Ion: 91 Resp: 147676

Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.4





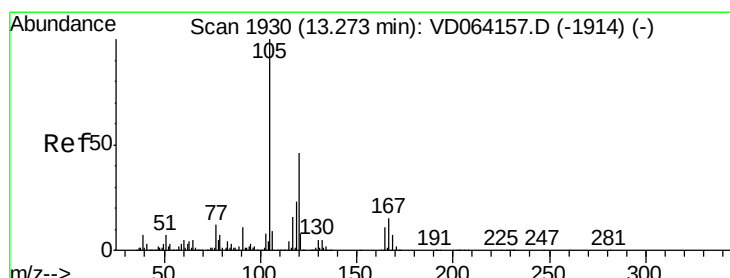
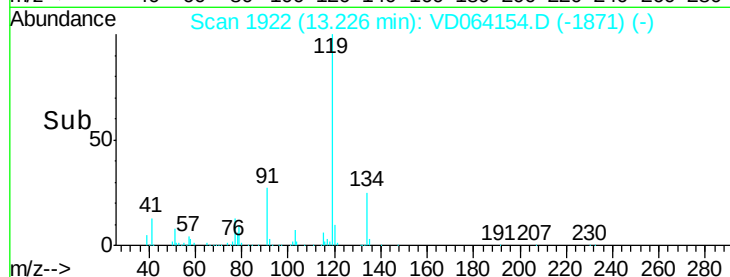
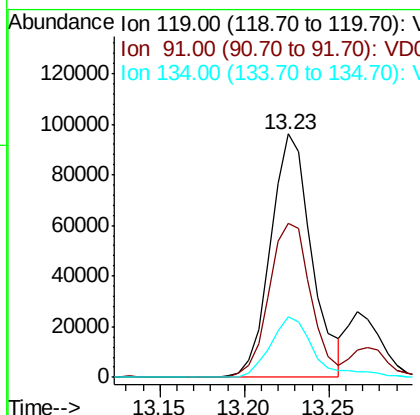
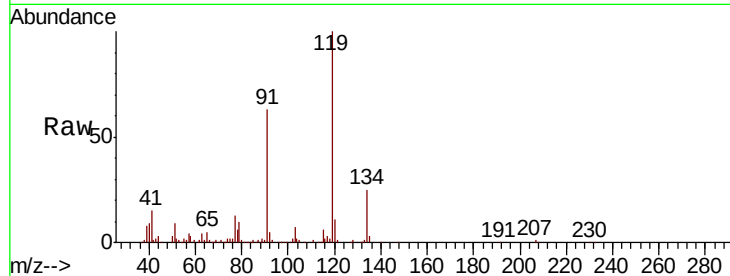
#83
tert-Butylbenzene
Concen: 5.267 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.8	95.4
134	26.5	13.7	41.0

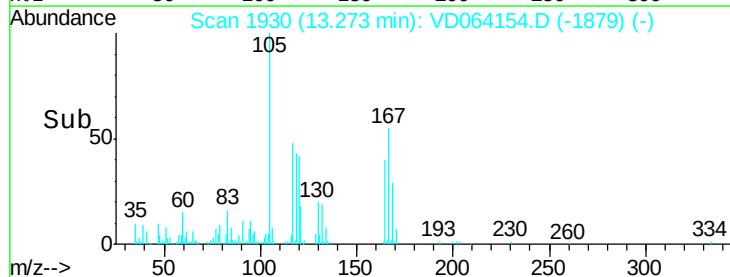
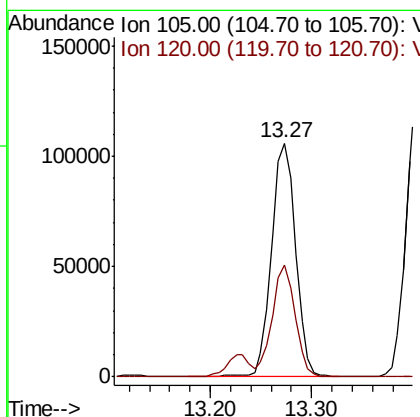
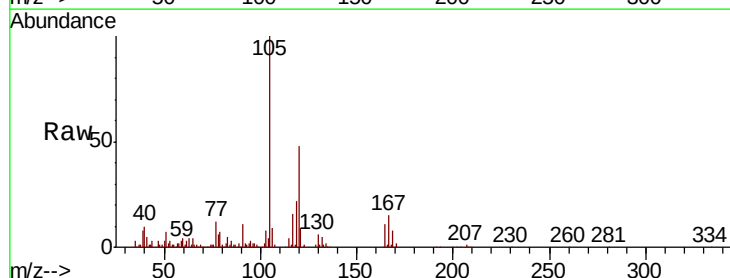
Manual Integrations
APPROVED

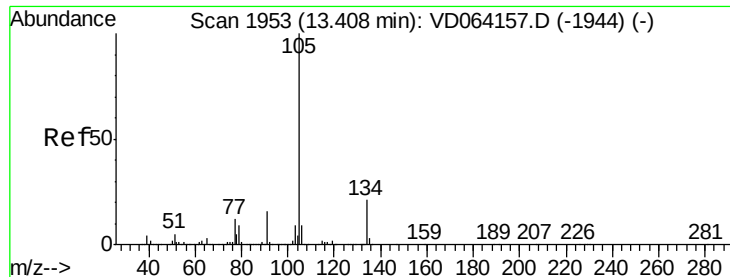
MMDadoda
11/13/2019 11:06:34 AM



#84
1,2,4-Trimethylbenzene
Concen: 5.120 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.3	69.8





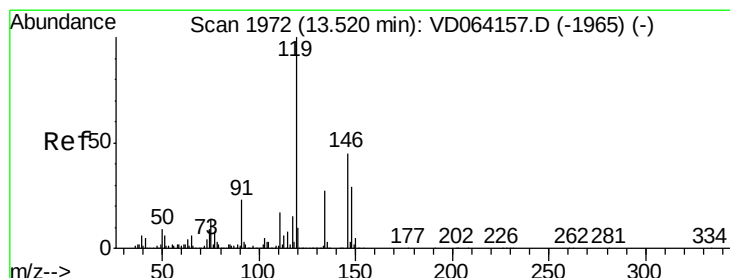
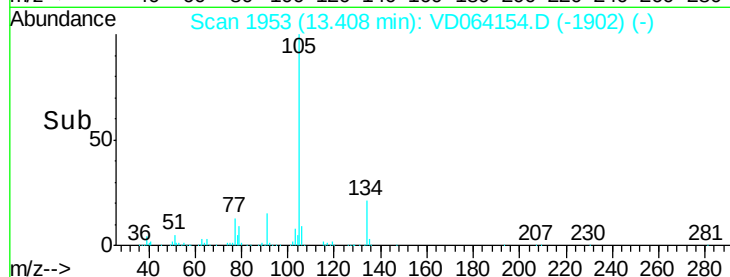
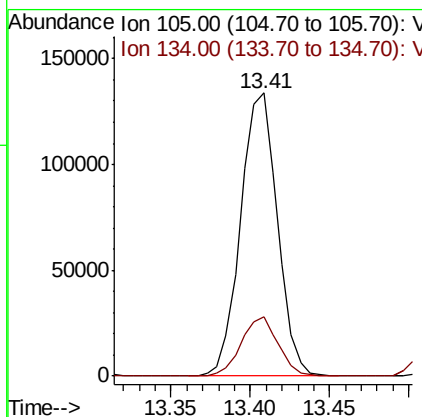
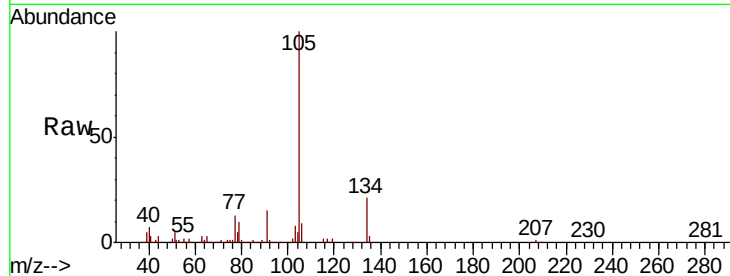
#85
 sec-Butylbenzene
 Concen: 5.114 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.7	31.9

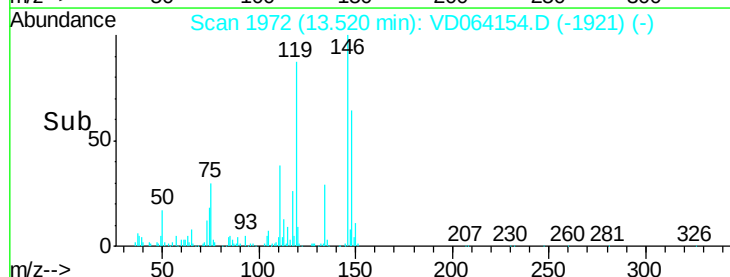
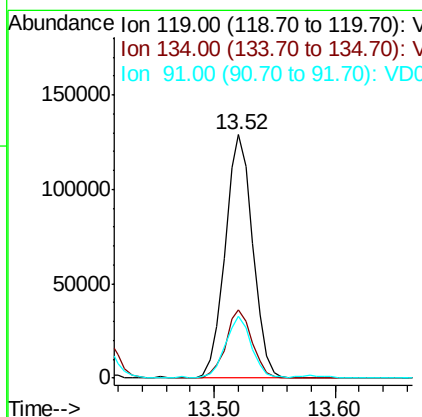
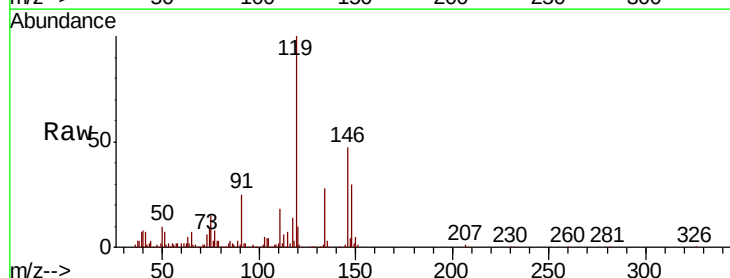
Manual Integrations
 APPROVED

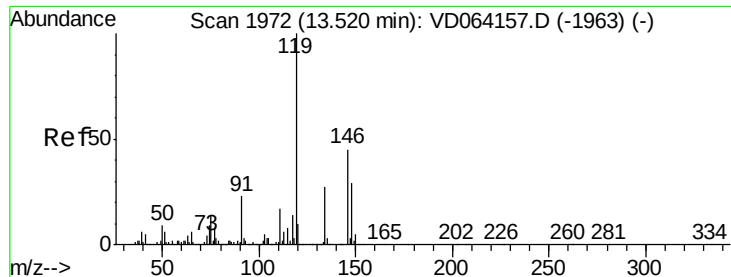
MMDadoda
 11/13/2019 11:06:34 AM



#86
 p-Isopropyltoluene
 Concen: 5.159 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.5
91	24.0	11.5	34.4





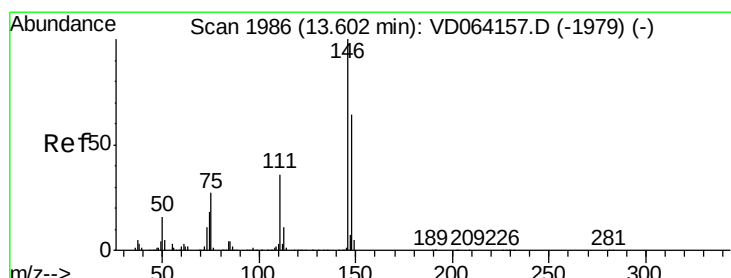
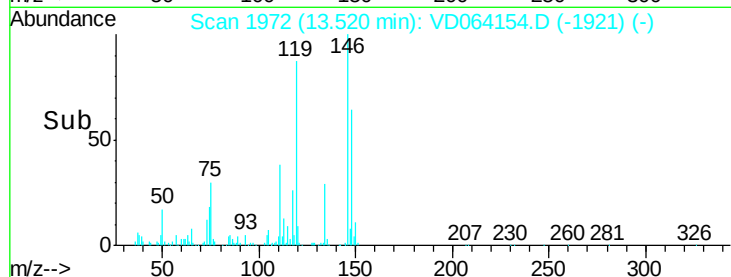
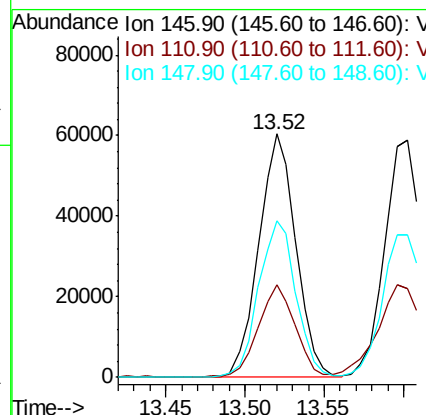
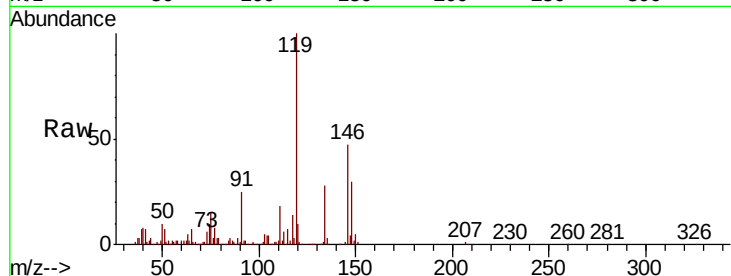
#87
 1,3-Dichlorobenzene
 Concen: 4.986 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.8	32.1	96.5

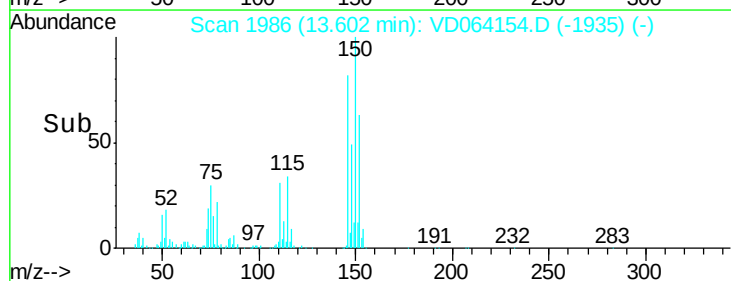
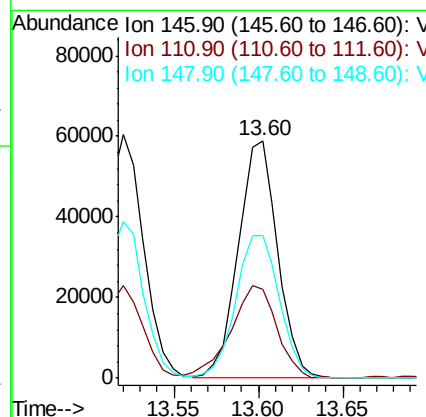
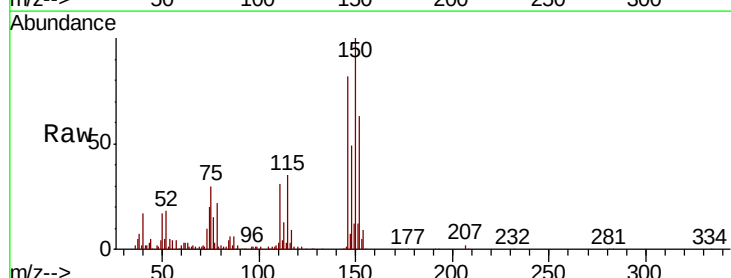
Manual Integrations
 APPROVED

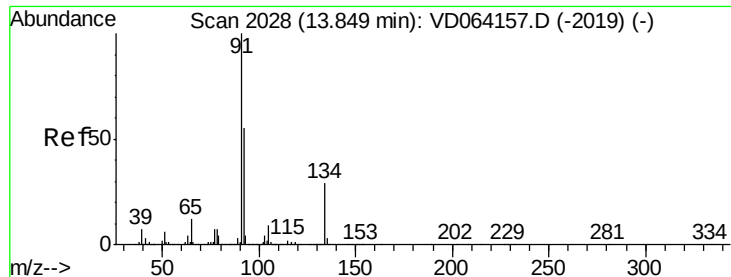
MMDadoda
 11/13/2019 11:06:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.916 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	18.1	54.4
148	66.5	31.9	95.7





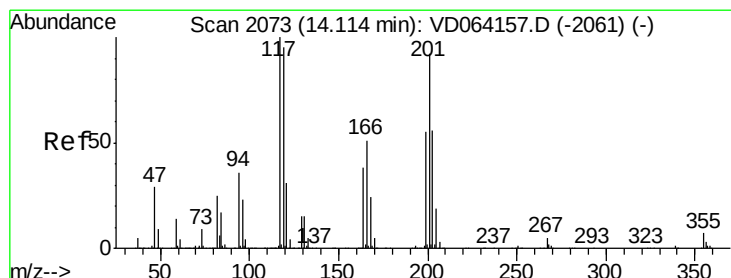
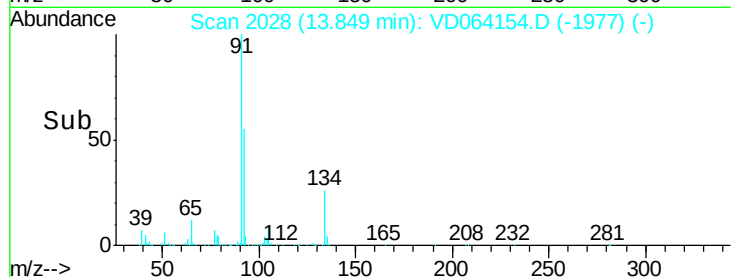
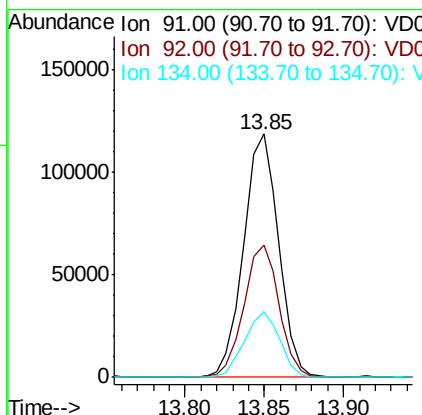
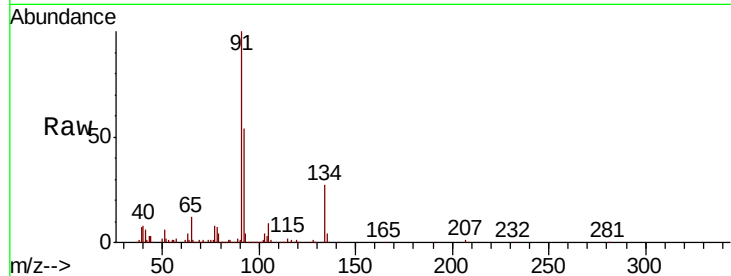
#89
n-Butylbenzene
Concen: 4.989 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.3	81.8
134	27.6	14.1	42.4

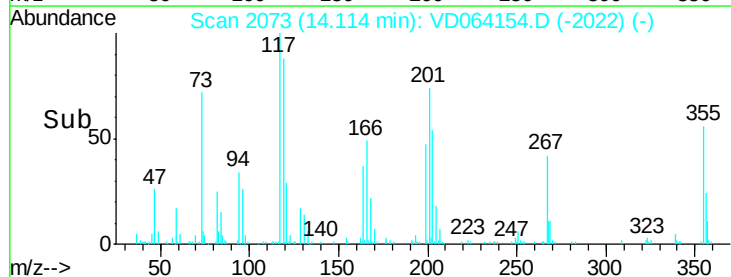
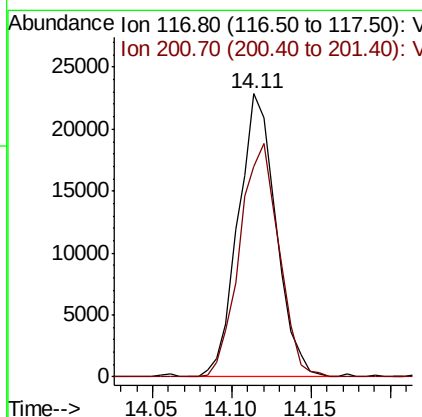
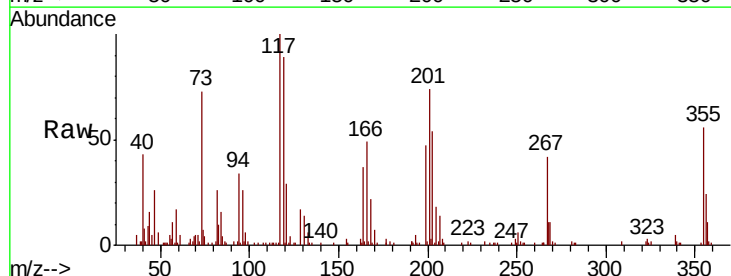
Manual Integrations
APPROVED

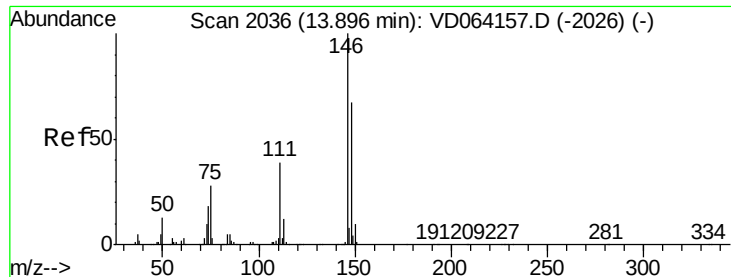
MMDadoda
11/13/2019 11:06:34 AM



#90
Hexachloroethane
Concen: 5.102 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	45.8	137.4





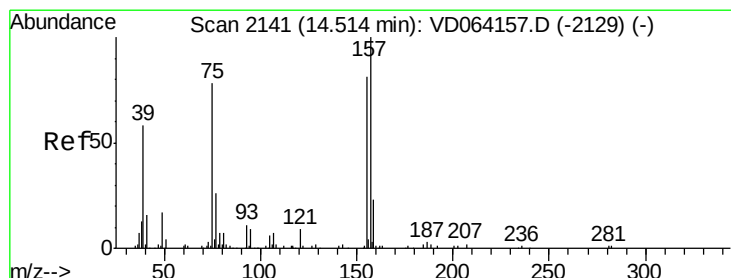
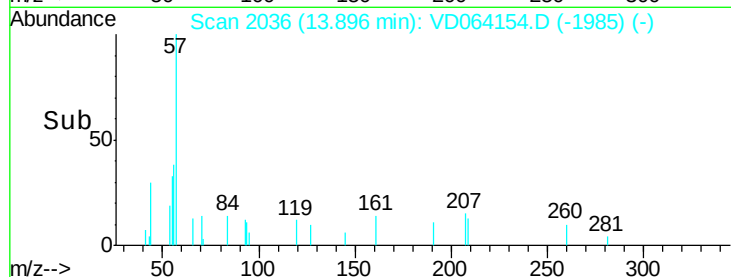
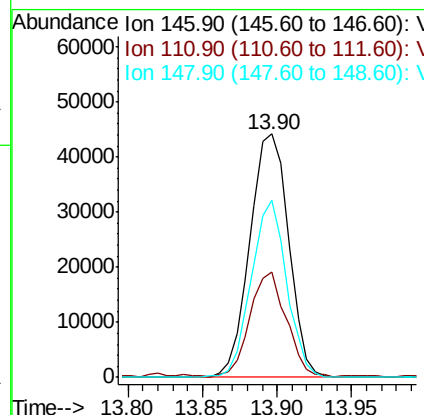
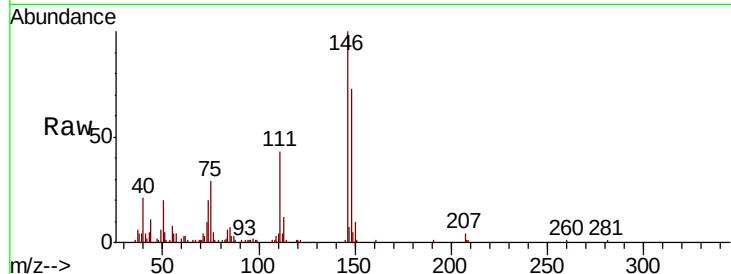
#91
 1,2-Dichlorobenzene
 Concen: 4.682 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.7	59.0
148	66.3	32.3	96.8

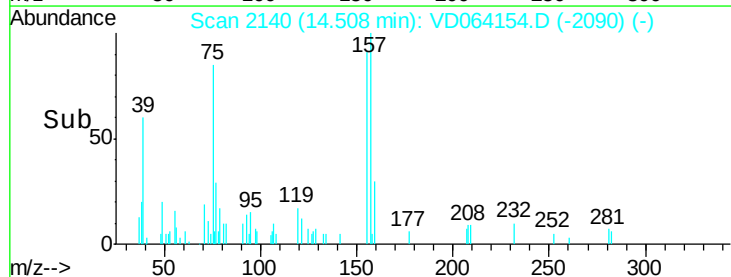
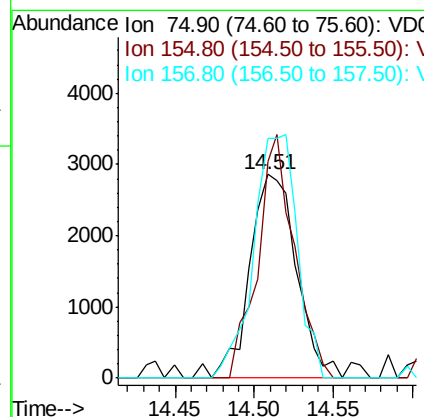
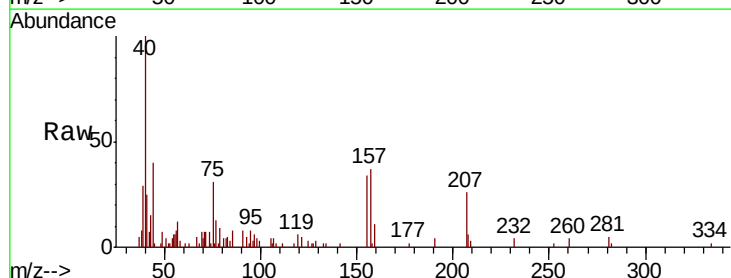
Manual Integrations
 APPROVED

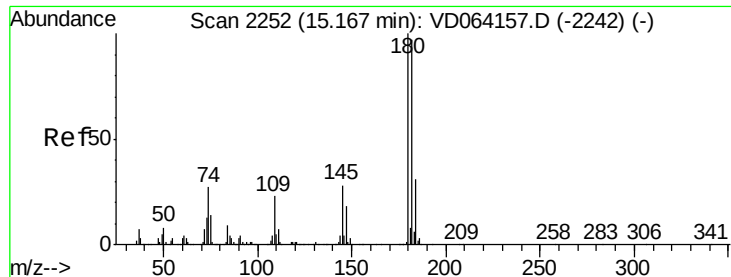
MMDadoda
 11/13/2019 11:06:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.042 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	48.0	144.0
157	110.9	61.5	184.4





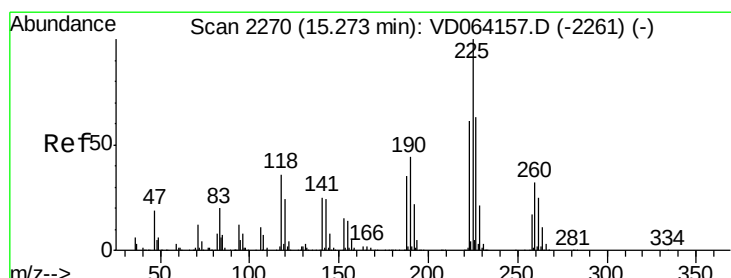
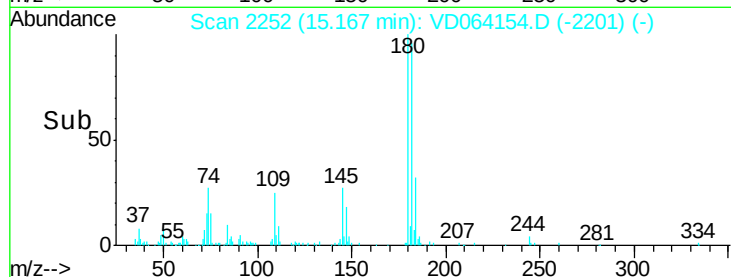
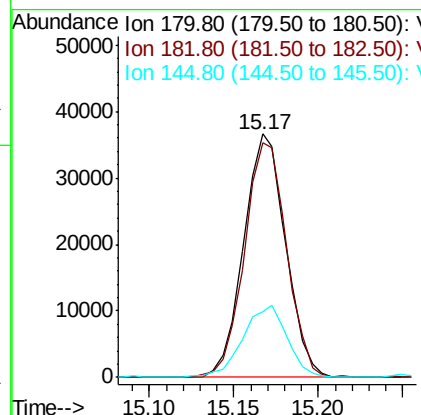
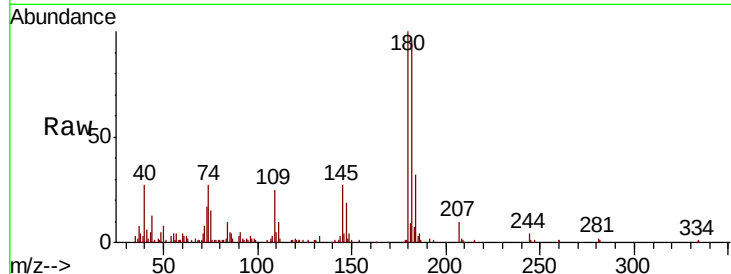
#93
 1,2,4-Trichlorobenzene
 Concen: 5.131 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.5
145	31.1	14.2	42.6

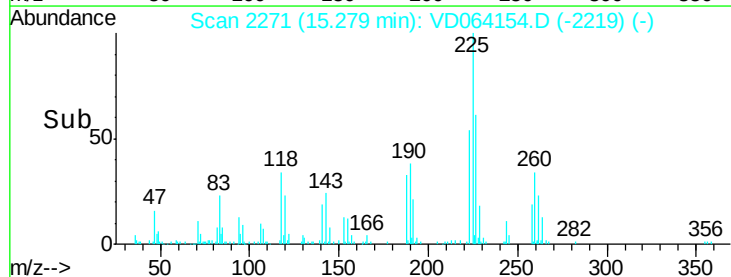
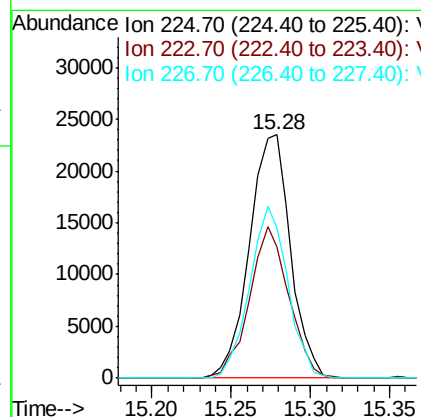
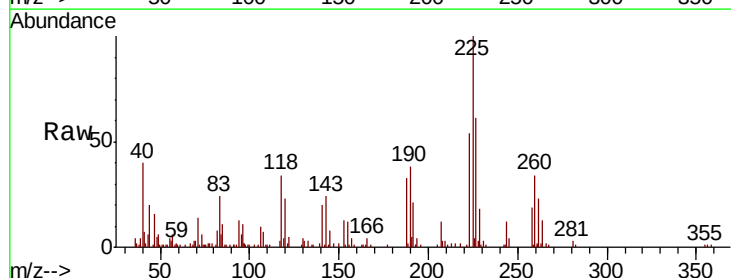
Manual Integrations
 APPROVED

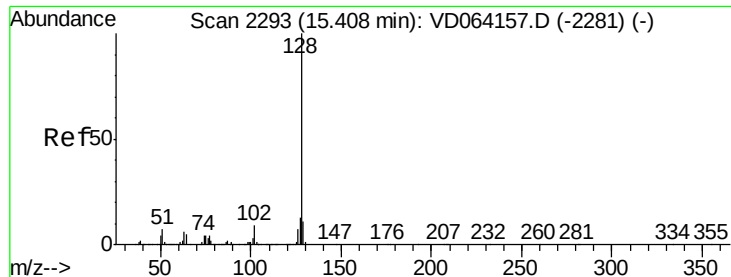
MMDadoda
 11/13/2019 11:06:34 AM



#94
 Hexachlorobutadiene
 Concen: 5.803 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.1	93.3
227	65.3	31.5	94.5





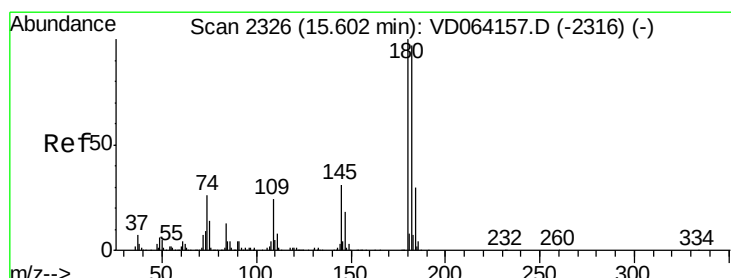
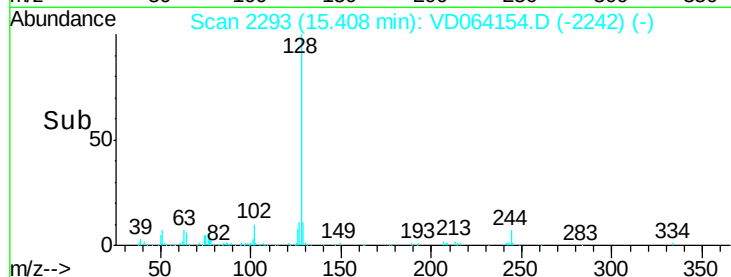
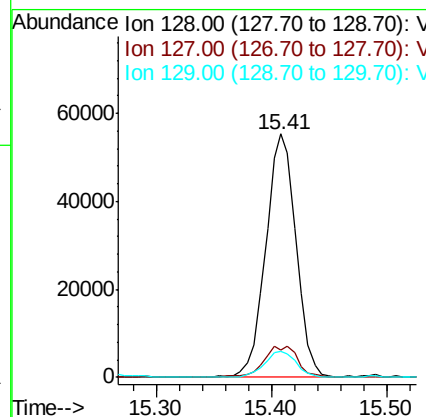
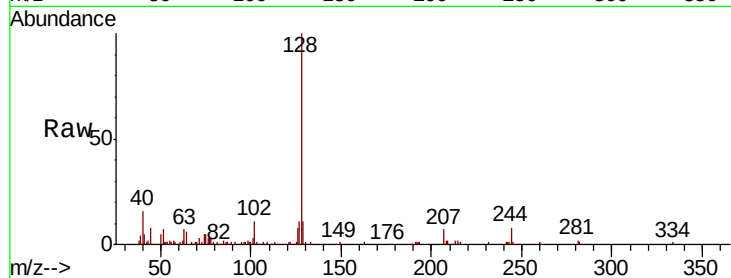
#95
Naphthalene
Concen: 5.058 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.092 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	48.3	144.9
145	29.5	15.3	45.8

