

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059690.D
 Acq On : 6 Aug 2018 13:02
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 2:26:31 PM

Quant Time: Aug 07 04:19:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	203858	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.67	114	258649	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	207220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	110439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	276740	103.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	207.08%	
35) Dibromofluoromethane	5.52	113	238504	99.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.86%	
50) Toluene-d8	8.69	98	483243	93.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.08%	
62) 4-Bromofluorobenzene	11.92	95	224489	93.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.31	85	285244	100.44	ug/l	100
3) Chloromethane	1.46	50	128774	103.46	ug/l	98
4) Vinyl Chloride	1.53	62	160173	107.96	ug/l	98
5) Bromomethane	1.76	94	41825	80.56	ug/l	93
6) Chloroethane	1.85	64	53833	90.76	ug/l	98
7) Trichlorofluoromethane	2.05	101	226429	94.35	ug/l	100
8) Diethyl Ether	2.32	74	49191	109.85	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.52	101	135070	97.49	ug/l	98
10) Methyl Iodide	2.66	142	170451	107.82	ug/l	94
11) Tert butyl alcohol	3.24	59	49037	522.45	ug/l	97
12) 1,1-Dichloroethene	2.51	96	104688	102.20	ug/l	99
13) Acrolein	2.45	56	47820	533.70	ug/l	98
14) Allyl chloride	2.89	41	243279	104.55	ug/l	97
15) Acrylonitrile	3.32	53	134025	496.71	ug/l	94
16) Acetone	2.58	43	258393	521.12	ug/l	100
17) Carbon Disulfide	2.72	76	403533	111.36	ug/l	98
18) Methyl Acetate	2.91	43	86588	97.56	ug/l	# 91
19) Methyl tert-butyl Ether	3.37	73	318935	80.92	ug/l	95
20) Methylene Chloride	3.04	84	121624	65.81	ug/l	97
21) trans-1,2-Dichloroethene	3.35	96	118139m	85.03	ug/l	
22) Diisopropyl ether	4.04	45	519494	97.78	ug/l	98
23) Vinyl Acetate	3.99	43	1670774	503.88	ug/l	99
24) 1,1-Dichloroethane	3.93	63	347400	97.09	ug/l	99
25) 2-Butanone	4.81	43	343835	543.85	ug/l	98
26) 2,2-Dichloropropane	4.77	77	369946	95.22	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	175387	93.36	ug/l	81
28) Bromochloromethane	5.11	49	134858	101.69	ug/l	98
29) Tetrahydrofuran	5.16	42	129199	522.30	ug/l	96
30) Chloroform	5.29	83	425383	98.49	ug/l	99
31) Cyclohexane	5.56	56	227356	87.29	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	425772	100.58	ug/l	96
36) 1,1-Dichloropropene	5.72	75	271637	93.94	ug/l	97
37) Ethyl Acetate	4.90	43	135463	99.60	ug/l	98
38) Carbon Tetrachloride	5.69	117	373852	95.46	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059690.D
 Acq On : 6 Aug 2018 13:02
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 2:26:31 PM

Quant Time: Aug 07 04:19:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	238389	99.61	ug/l	98
40) Benzene	5.99	78	515338	92.47	ug/l	98
41) Methacrylonitrile	5.09	41	66834	101.43	ug/l	92
42) 1,2-Dichloroethane	6.11	62	345416	100.65	ug/l	100
43) Isopropyl Acetate	7.60	43	185685	103.05	ug/l	98
44) Trichloroethene	6.96	130	203233	99.94	ug/l	100
45) 1,2-Dichloropropane	7.32	63	143297	99.53	ug/l	96
46) Dibromomethane	7.44	93	126868	100.12	ug/l	95
47) Bromodichloromethane	7.72	83	324174	99.78	ug/l	96
48) Methyl methacrylate	7.48	41	124241	104.08	ug/l	96
49) 1,4-Dioxane	7.47	88	21887	2357.33	ug/l #	83
51) 4-Methyl-2-Pentanone	8.58	43	690368	526.18	ug/l	99
52) Toluene	8.78	92	328699	93.62	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	273975	99.57	ug/l	99
54) cis-1,3-Dichloropropene	8.34	75	273728	98.57	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	125628	93.31	ug/l	95
56) Ethyl methacrylate	9.29	69	152979	100.48	ug/l	97
57) 1,3-Dichloropropane	9.65	76	202582	93.57	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	343262	477.68	ug/l	98
59) 2-Hexanone	9.77	43	532111	535.86	ug/l	98
60) Dibromochloromethane	9.94	129	225407	102.93	ug/l	98
61) 1,2-Dibromoethane	10.08	107	155635	98.12	ug/l	91
64) Tetrachloroethene	9.50	164	187295	97.09	ug/l	95
65) Chlorobenzene	10.71	112	398392	94.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	181232	95.86	ug/l	98
67) Ethyl Benzene	10.85	91	727407	93.56	ug/l	100
68) m/p-Xylenes	11.00	106	466821	189.22	ug/l	92
69) o-Xylene	11.40	106	215432	89.06	ug/l	95
70) Styrene	11.42	104	376669	94.11	ug/l	98
71) Bromoform	11.58	173	161114	112.71	ug/l #	96
73) Isopropylbenzene	11.76	105	700267	93.60	ug/l	98
74) N-amyl acetate	11.63	43	250732	107.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	143445	98.58	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	166676	97.21	ug/l	96
77) Bromobenzene	12.03	156	203175	94.66	ug/l	99
78) n-propylbenzene	12.15	91	856509	92.56	ug/l	100
79) 2-Chlorotoluene	12.20	91	529970	95.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	597364	97.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	44732	104.52	ug/l	97
82) 4-Chlorotoluene	12.31	91	594904	91.29	ug/l	93
83) tert-Butylbenzene	12.57	119	666231	95.89	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	628863	96.48	ug/l	100
85) sec-Butylbenzene	12.75	105	718798	93.74	ug/l	97
86) p-Isopropyltoluene	12.87	119	651630	98.10	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	355035	94.44	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	345300	91.47	ug/l	97
89) n-Butylbenzene	13.19	91	620298	94.68	ug/l	98
90) Hexachloroethane	13.39	117	178777	103.09	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	292378	94.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	34280	107.49	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
Data File : VD059690.D
Acq On : 6 Aug 2018 13:02
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

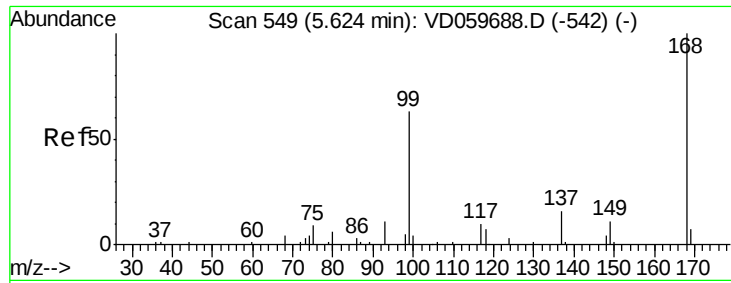
Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM

Quant Time: Aug 07 04:19:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 03:58:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	265744	95.41	ug/l	99
94) Hexachlorobutadiene	14.43	225	215926	99.34	ug/l	99
95) Naphthalene	14.51	128	406471	97.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	237944	95.61	ug/l	97

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



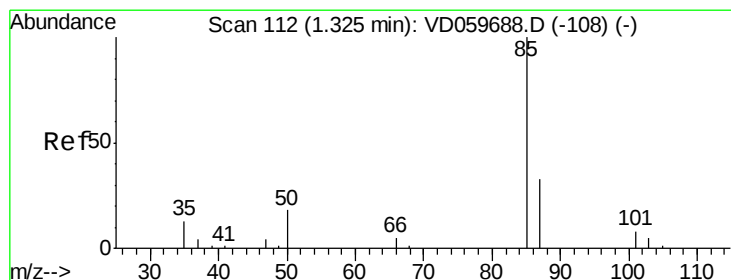
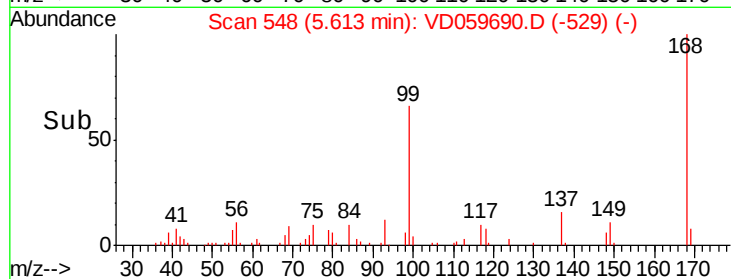
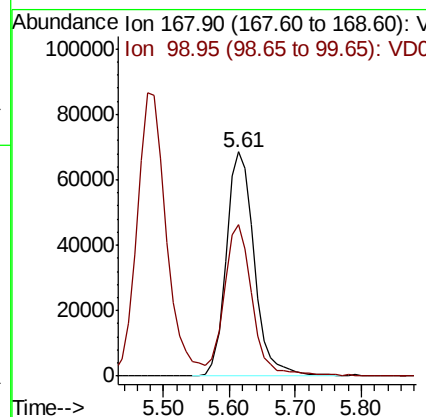
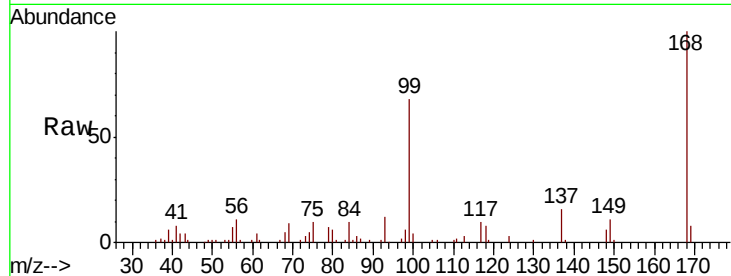
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.61 min Scan# 548
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
168	100	203858		
99	67.6	53.4	80.2	

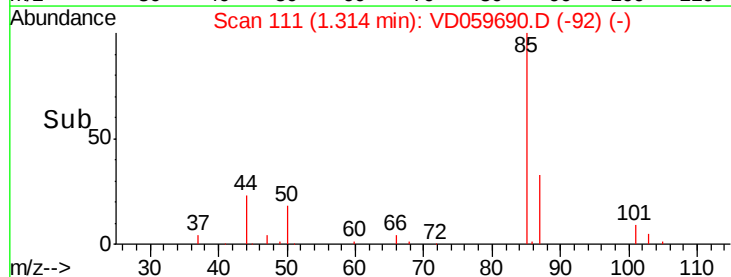
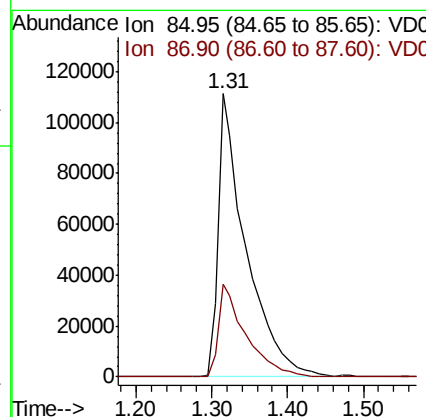
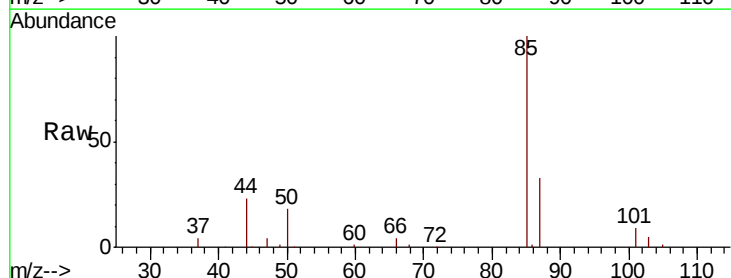
Manual Integrations
APPROVED

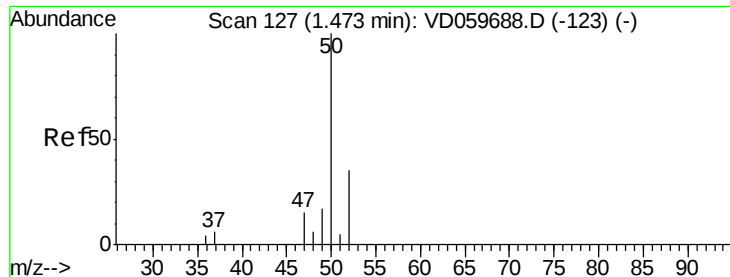
MMDadoda
8/7/2018 2:26:31 PM



#2
Dichlorodifluoromethane
Concen: 100.44 ug/l
RT: 1.31 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	285244		
87	32.7	16.4	49.1	





#3

Chloromethane

Concen: 103.46 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 128774

Ion Ratio Lower Upper

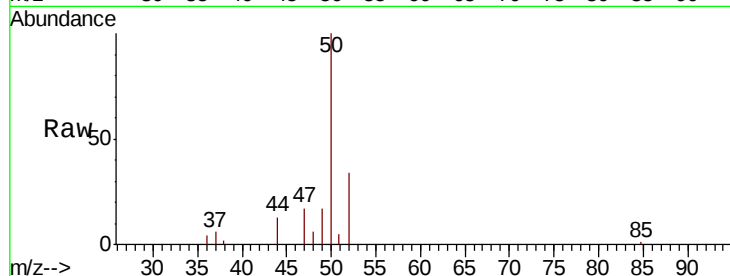
50 100

52 34.3 28.2 42.4

Manual Integrations
APPROVED

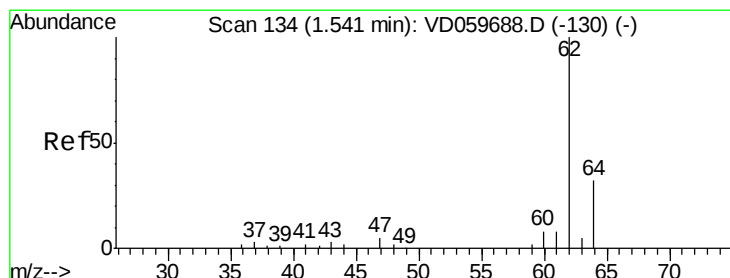
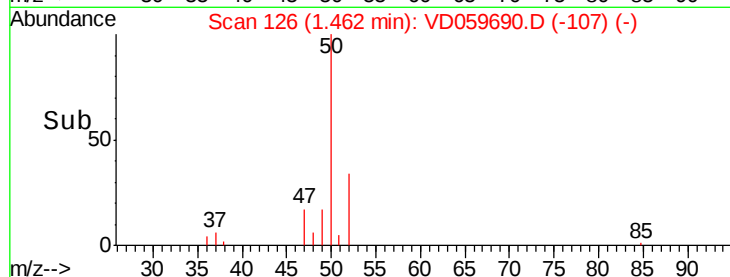
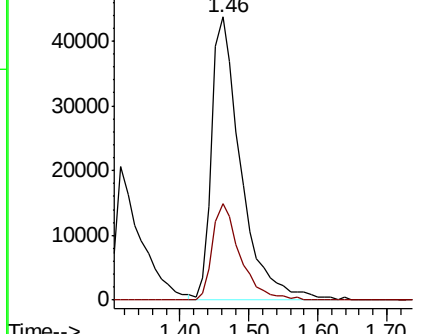
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 107.96 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059690.D

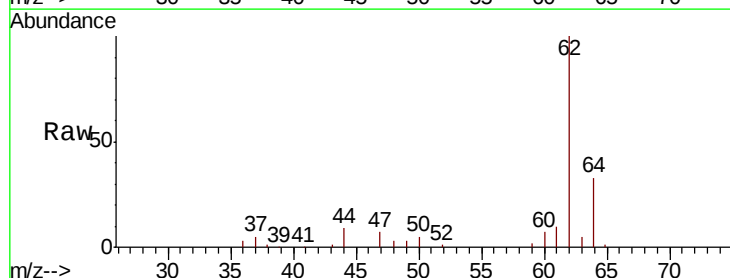
Acq: 6 Aug 2018 13:02

Tgt Ion: 62 Resp: 160173

Ion Ratio Lower Upper

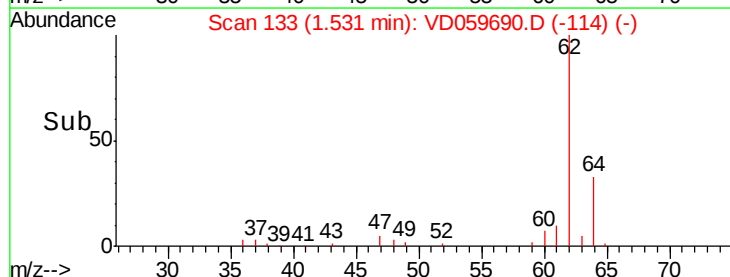
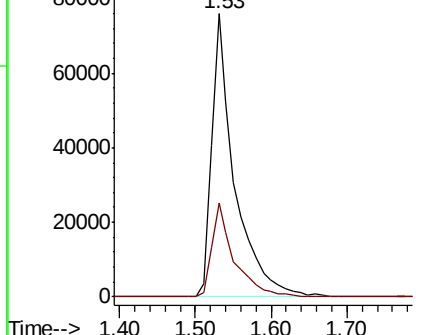
62 100

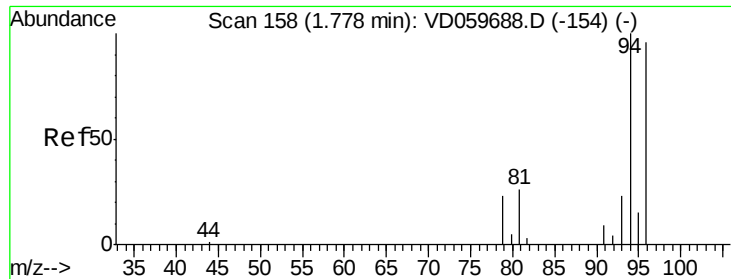
64 33.1 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 80.56 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 41825

Ion Ratio Lower Upper

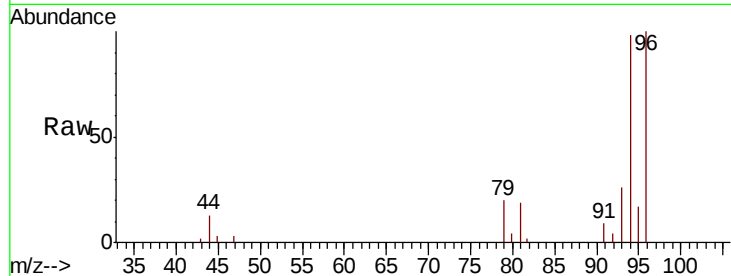
94 100

96 102.2 76.6 114.8

Manual Integrations
APPROVED

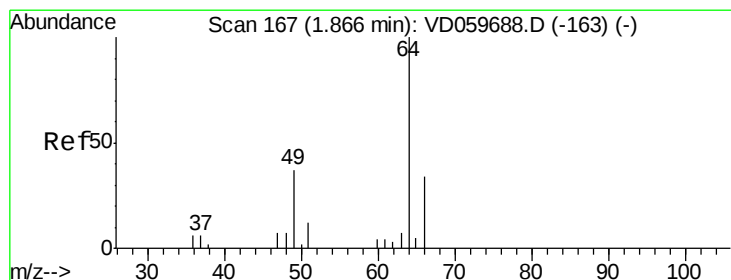
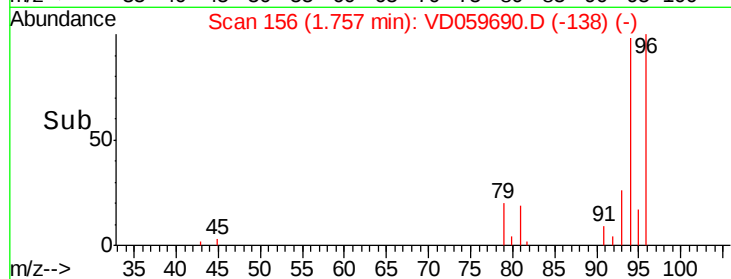
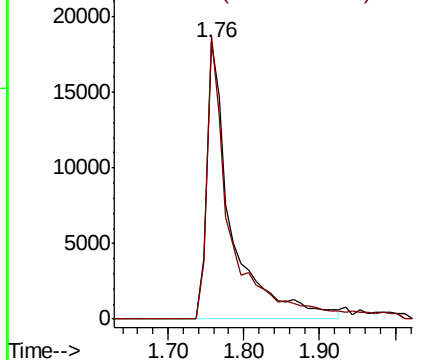
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 90.76 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059690.D

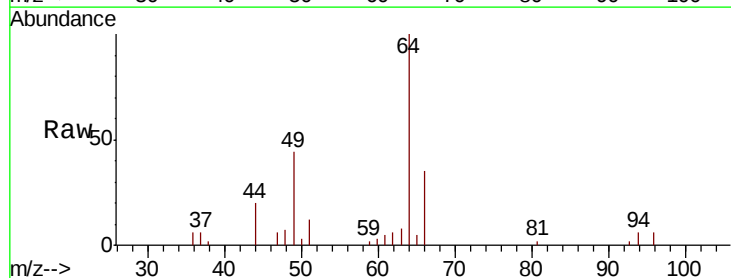
Acq: 6 Aug 2018 13:02

Tgt Ion: 64 Resp: 53833

Ion Ratio Lower Upper

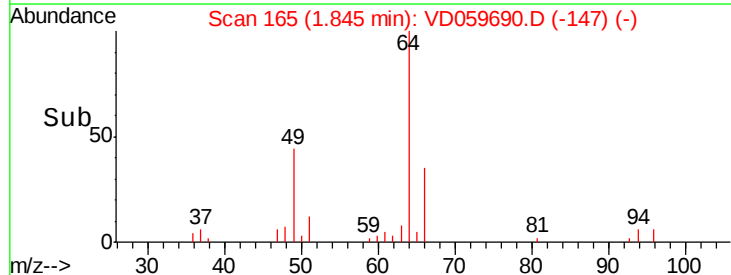
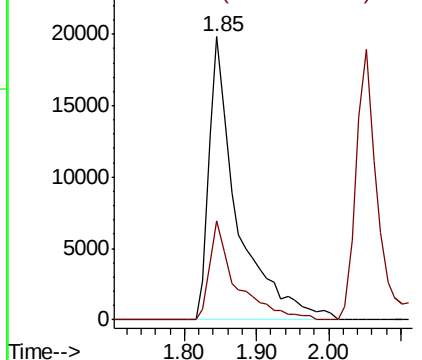
64 100

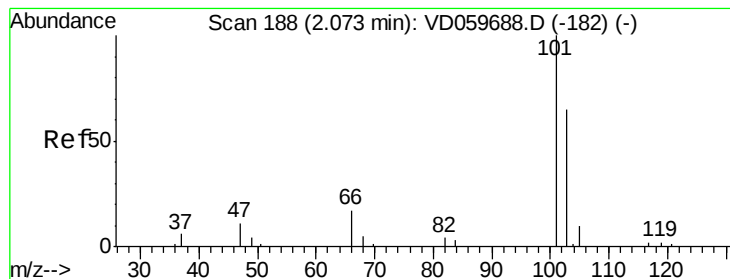
66 35.0 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

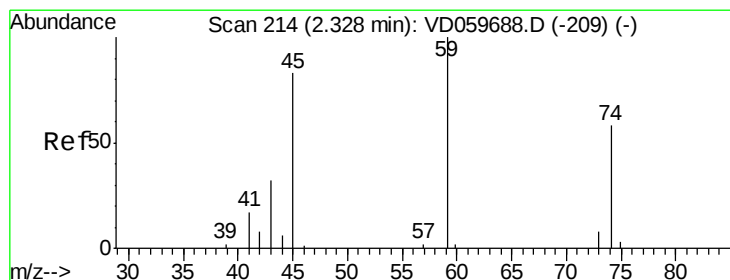
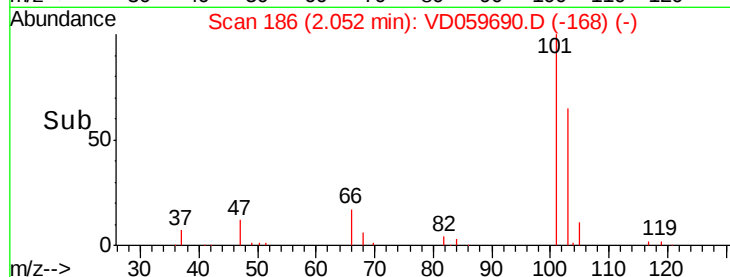
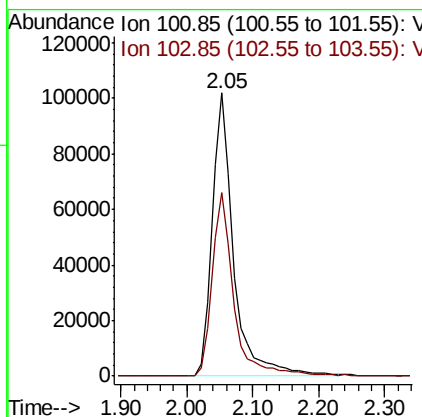
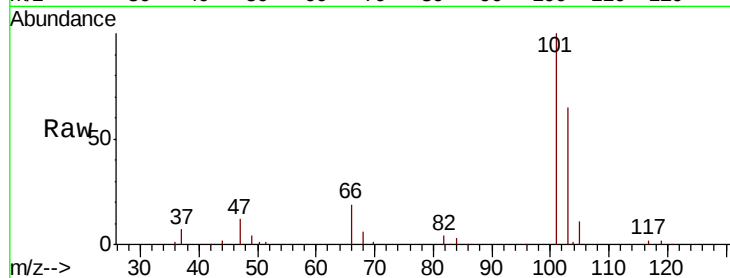
Trichlorofluoromethane
 Concen: 94.35 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.7	77.5

Manual Integrations
 APPROVED

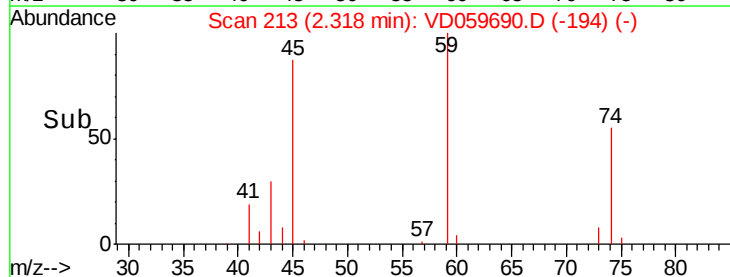
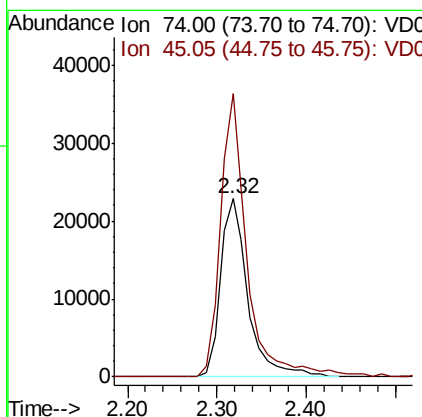
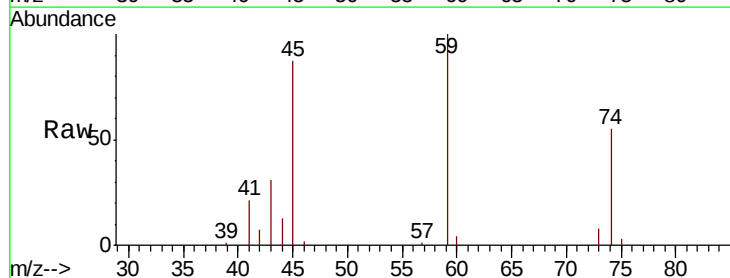
MMDadoda
 8/7/2018 2:26:31 PM

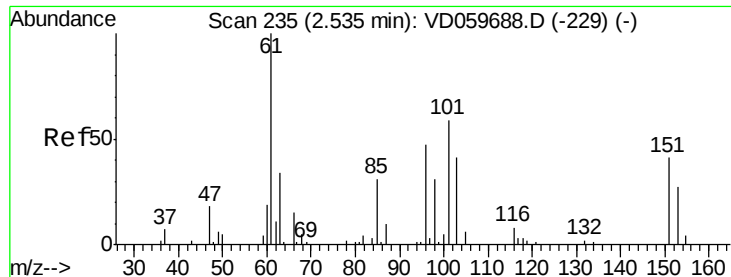


#8

Diethyl Ether
 Concen: 109.85 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.01 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.8	71.4	214.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.49 ug/l

RT: 2.52 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

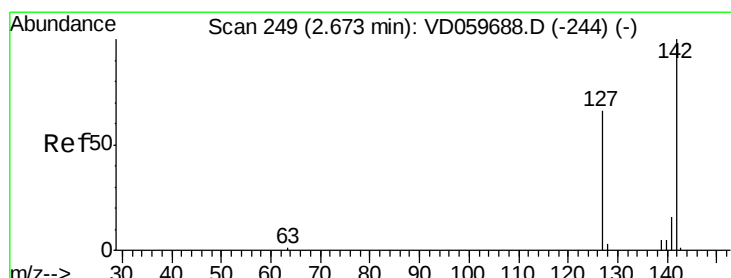
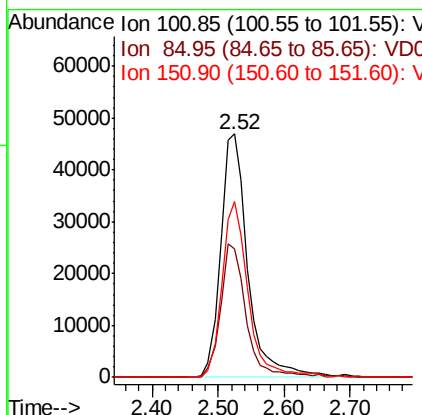
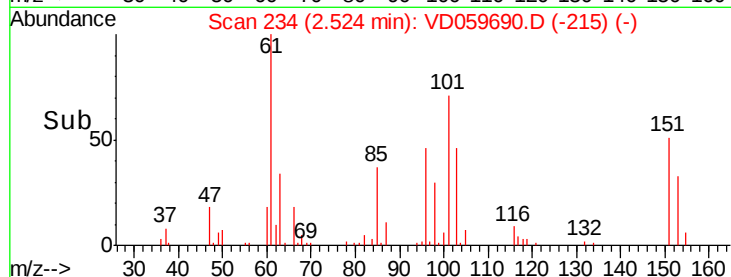
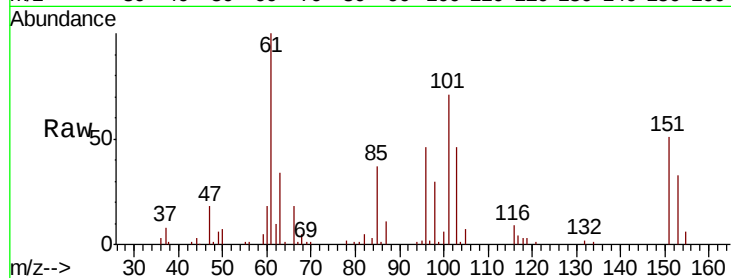
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	135070
Ion Ratio	Lower	Upper	
101	100		
85	52.7	42.2	63.4
151	72.4	55.2	82.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#10

Methyl Iodide

Concen: 107.82 ug/l

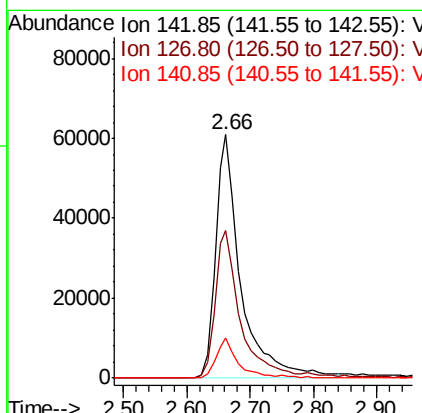
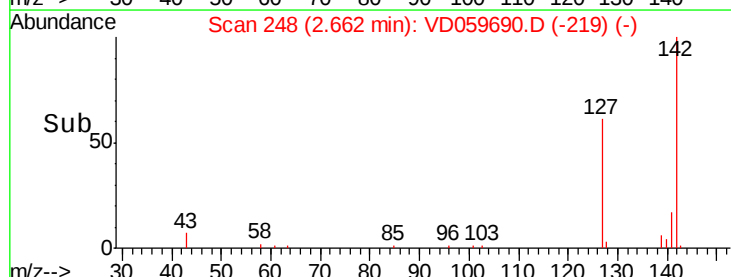
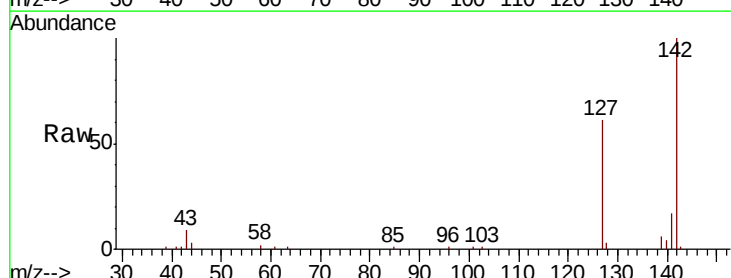
RT: 2.66 min Scan# 248

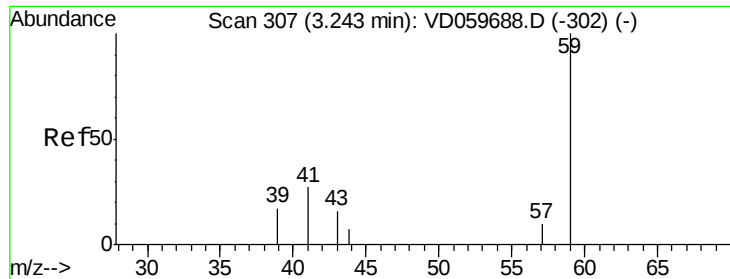
Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	142	Resp:	170451
Ion Ratio	Lower	Upper	
142	100		
127	60.7	52.6	79.0
141	16.5	12.5	18.7





#11

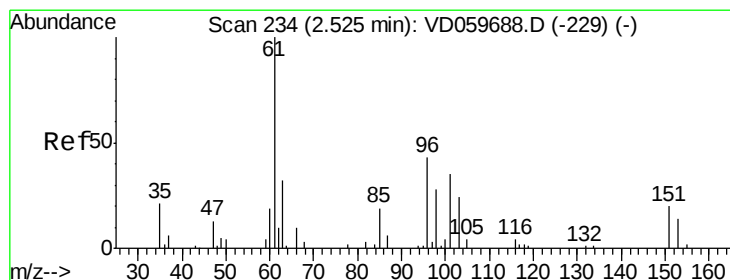
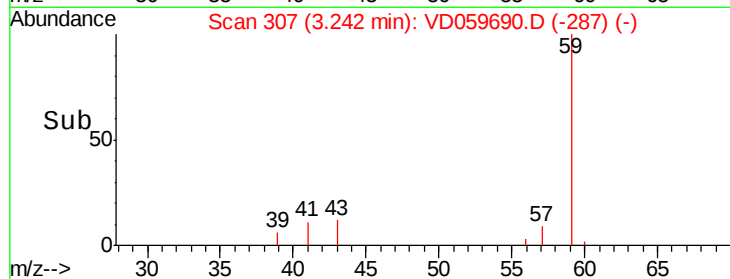
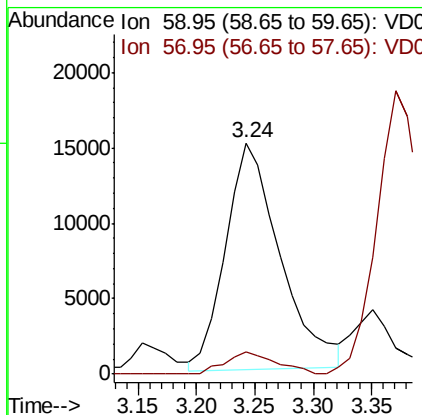
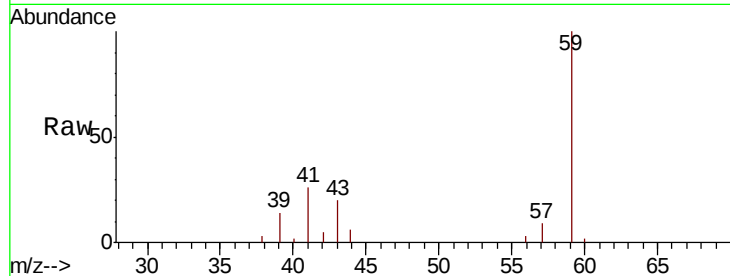
Tert butyl alcohol
Concen: 522.45 ug/l
RT: 3.24 min Scan# 307
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	6.8	10.2

Manual Integrations
APPROVED

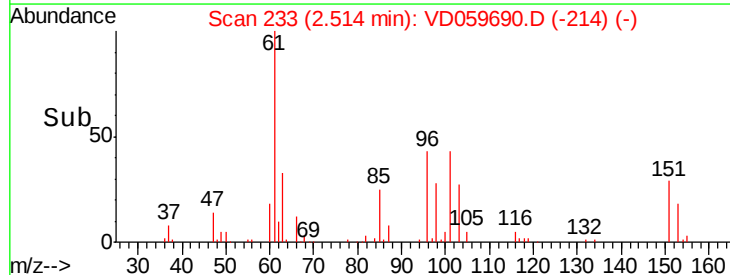
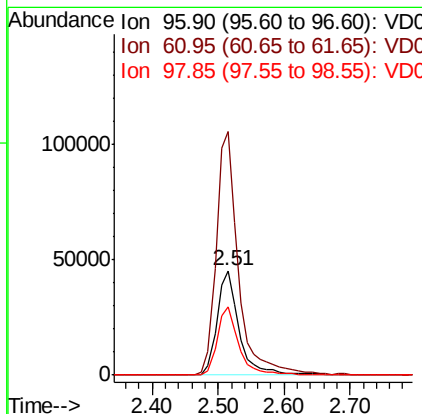
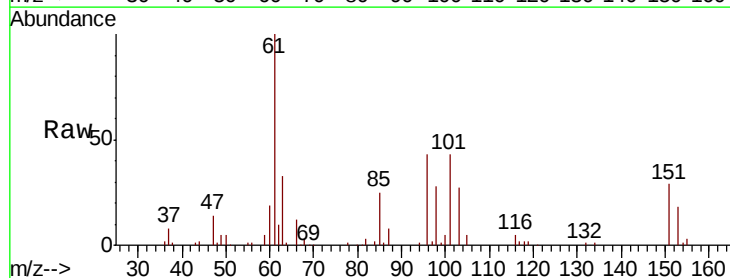
MMDadoda
8/7/2018 2:26:31 PM

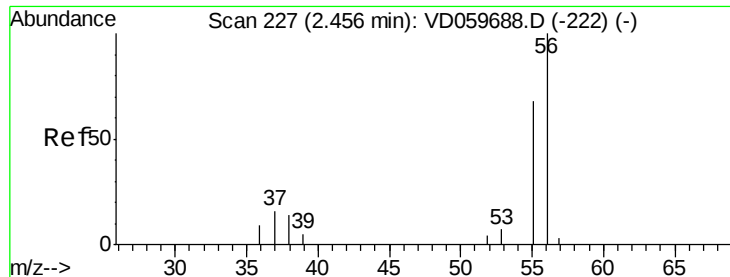


#12

1,1-Dichloroethene
Concen: 102.20 ug/l
RT: 2.51 min Scan# 233
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	232.7	184.1	276.1
98	65.2	52.4	78.6





#13

Acrolein

Concen: 533.70 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 47820

Ion Ratio Lower Upper

56 100

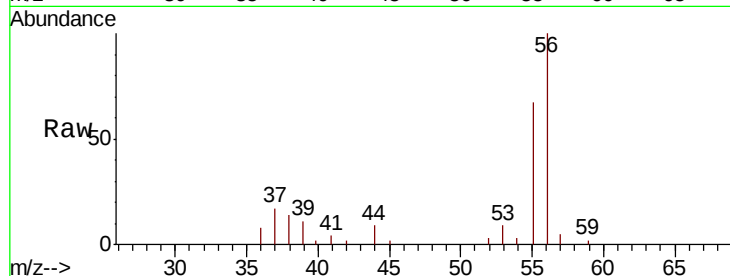
55 66.5 54.4 81.6

Manual Integrations

APPROVED

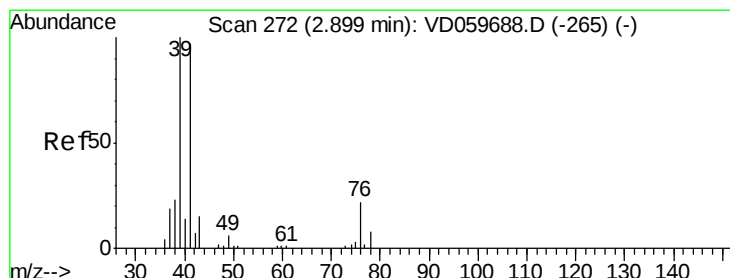
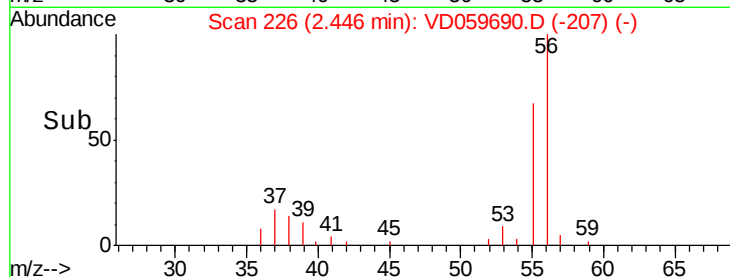
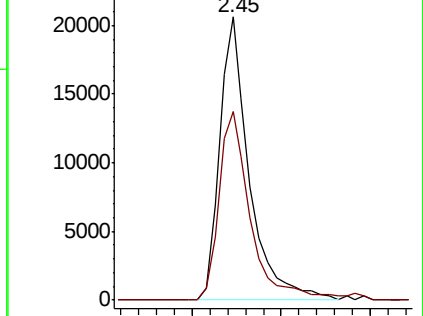
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 104.55 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

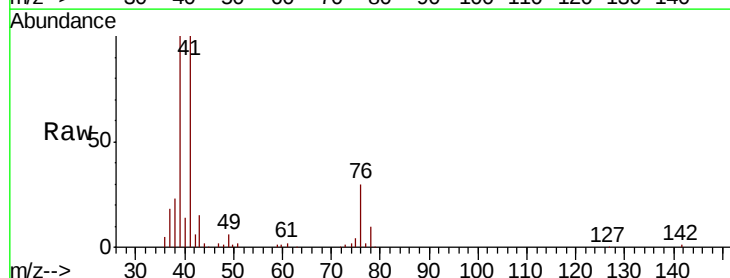
Tgt Ion: 41 Resp: 243279

Ion Ratio Lower Upper

41 100

39 100.5 82.5 123.7

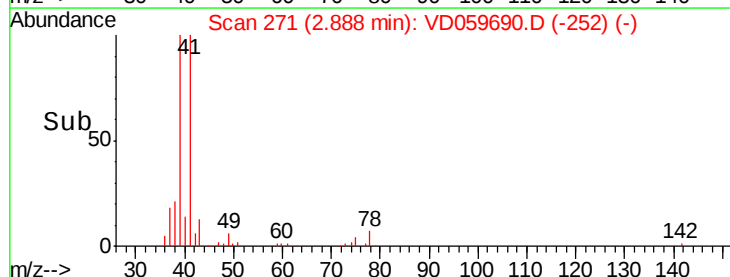
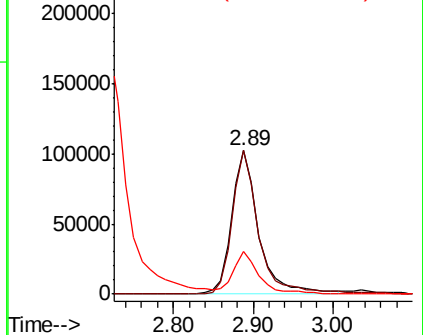
76 29.7 22.1 33.1

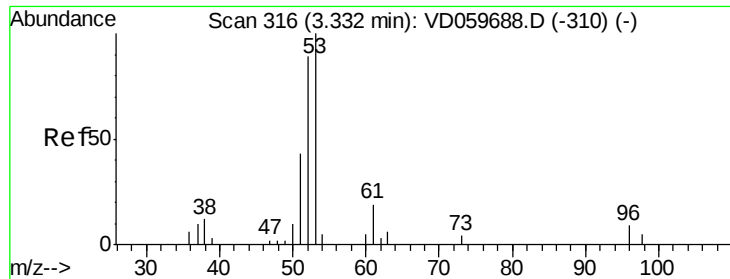


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 496.71 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

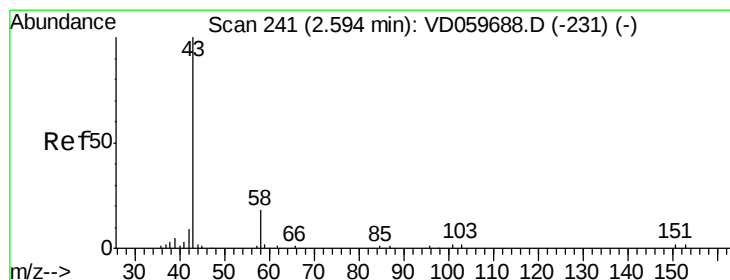
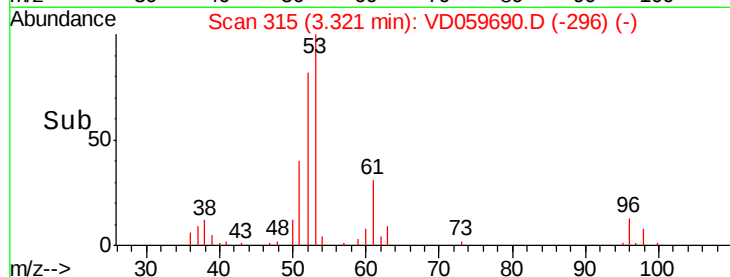
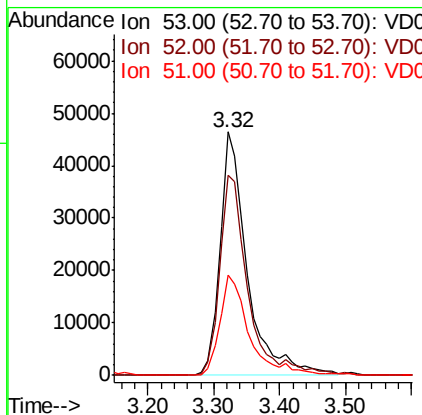
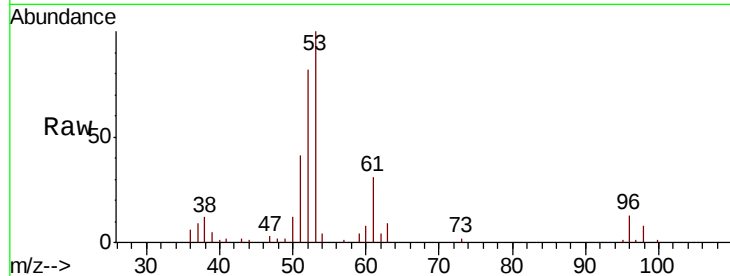
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	134025
Ion Ratio	Lower	Upper	
53	100		
52	82.2	71.4	107.0
51	41.4	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#16

Acetone

Concen: 521.12 ug/l

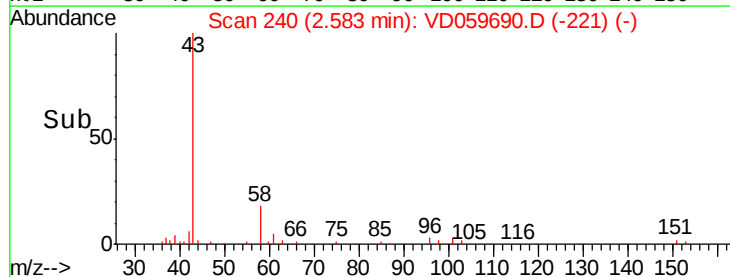
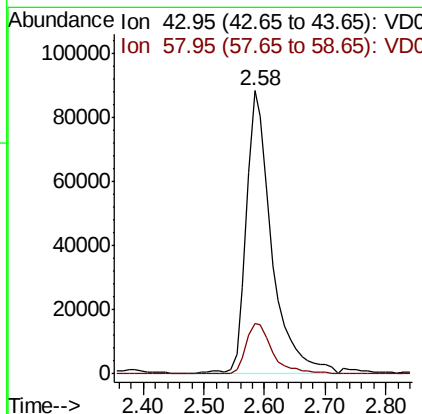
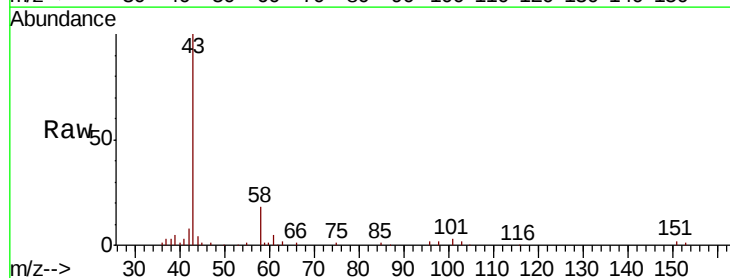
RT: 2.58 min Scan# 240

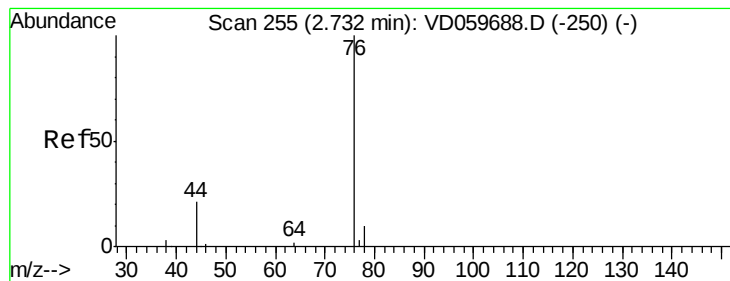
Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	43	Resp:	258393
Ion Ratio	Lower	Upper	
43	100		
58	17.7	14.2	21.2





#17

Carbon Disulfide

Concen: 111.36 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 403533

Ion Ratio Lower Upper

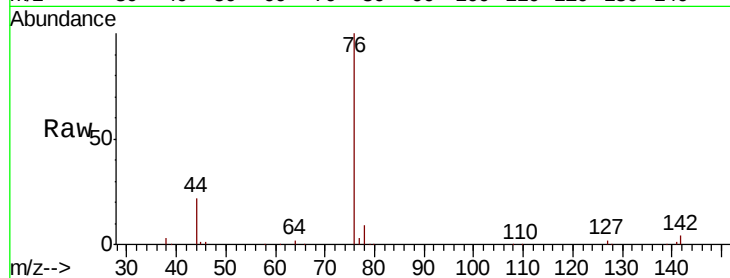
76 100

78 8.9 7.7 11.5

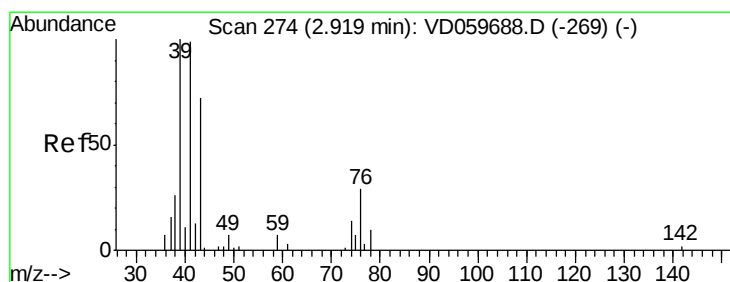
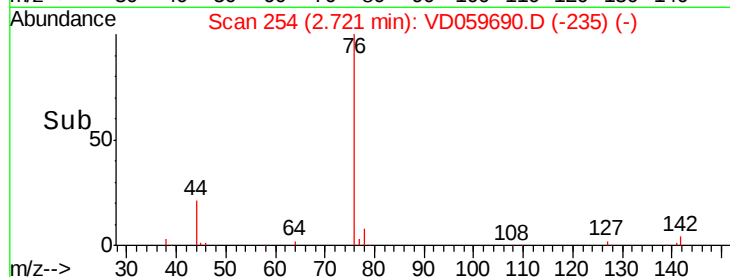
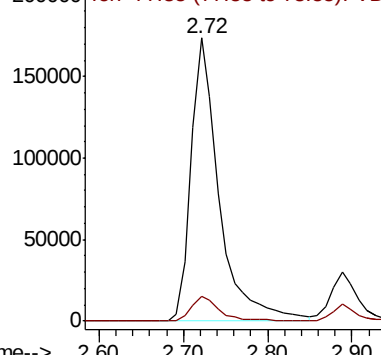
Manual Integrations
APPROVED

MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 97.56 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD059690.D

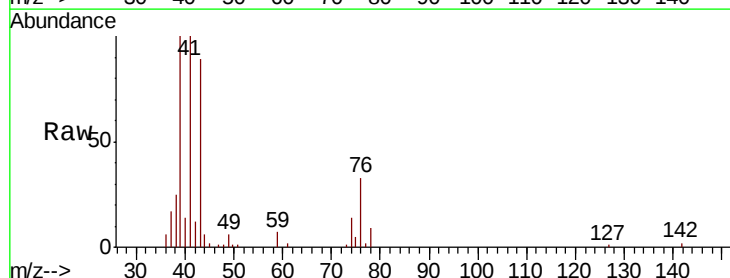
Acq: 6 Aug 2018 13:02

Tgt Ion: 43 Resp: 86588

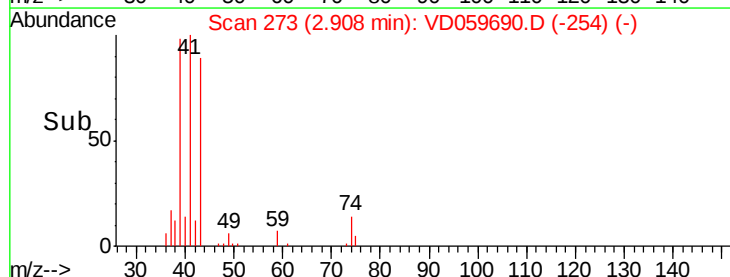
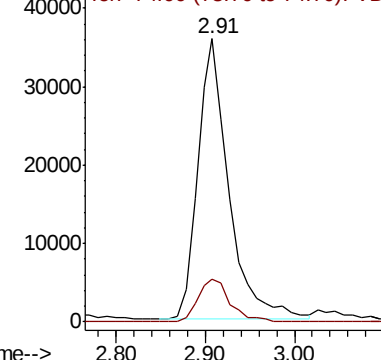
Ion Ratio Lower Upper

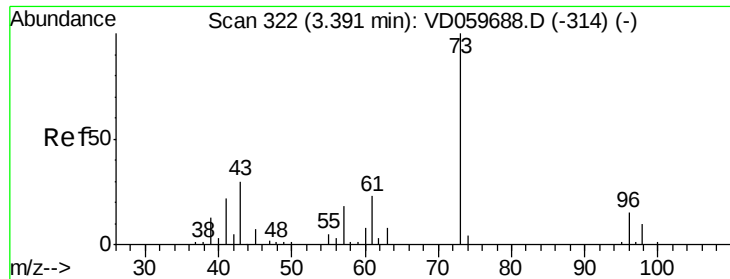
43 100

74 15.3 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





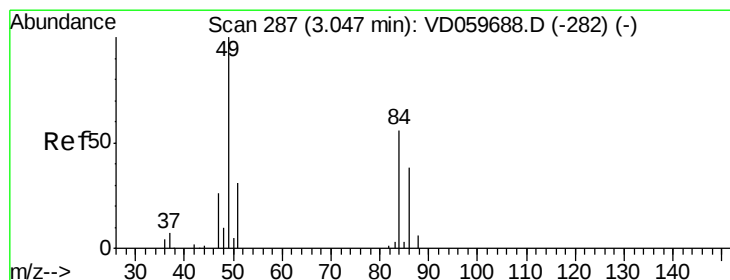
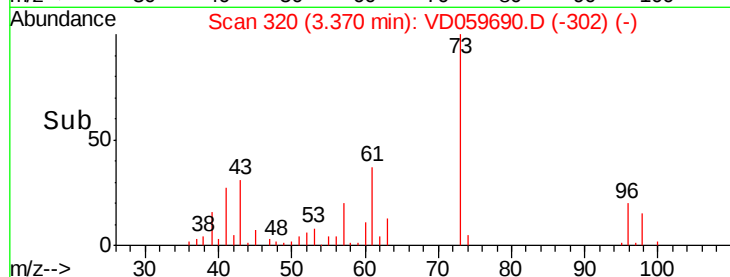
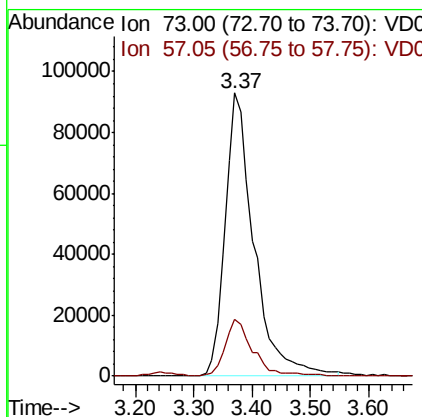
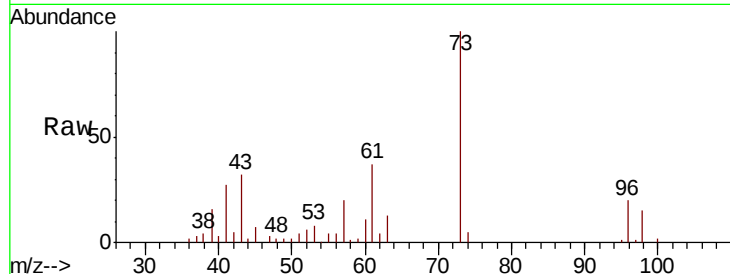
#19
Methvl tert-butvl Ether
Concen: 80.92 ug/l
RT: 3.37 min Scan# 320
Delta R.T. -0.02 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 318935
Ion Ratio Lower Upper
73 100
57 20.2 14.3 21.5

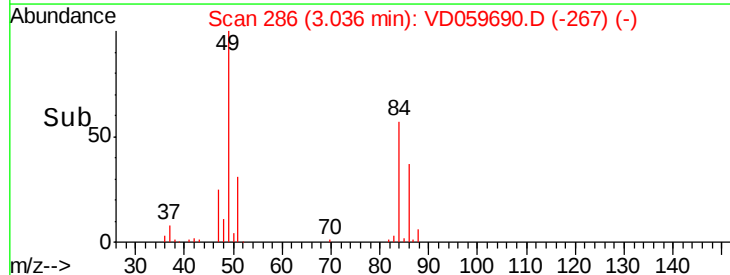
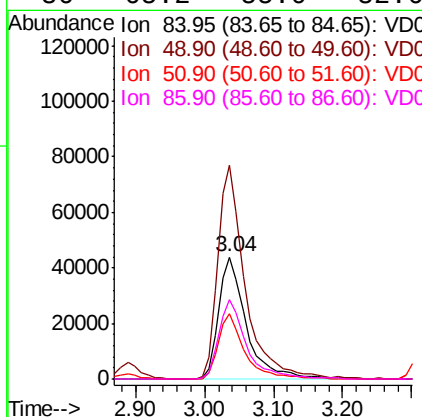
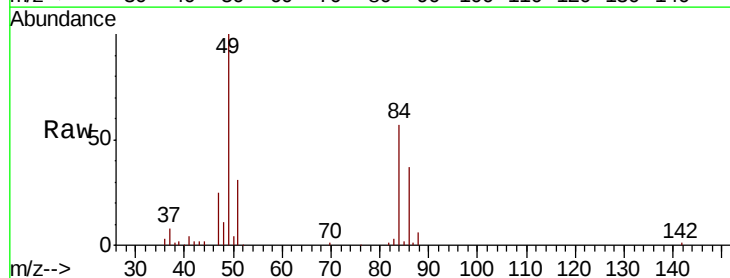
Manual Integrations
APPROVED

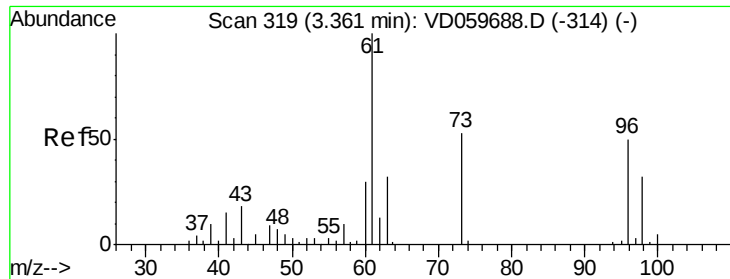
MMDadoda
8/7/2018 2:26:31 PM



#20
Methylene Chloride
Concen: 65.81 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion: 84 Resp: 121624
Ion Ratio Lower Upper
84 100
49 175.3 143.4 215.2
51 53.9 44.2 66.4
86 65.2 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 85.03 ug/l m

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 118139

Ion Ratio Lower Upper

96 100

61 191.9 160.6 241.0

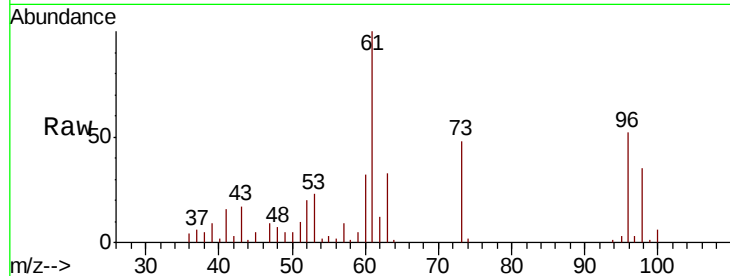
98 67.3 50.9 76.3

Manual Integrations

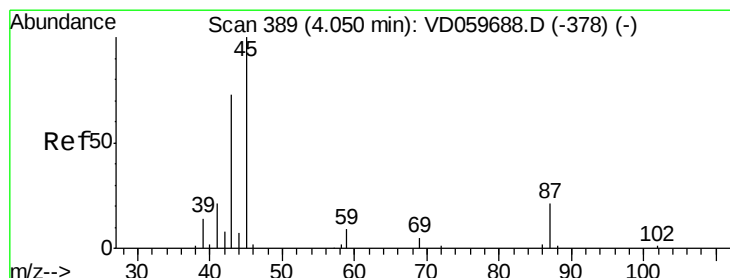
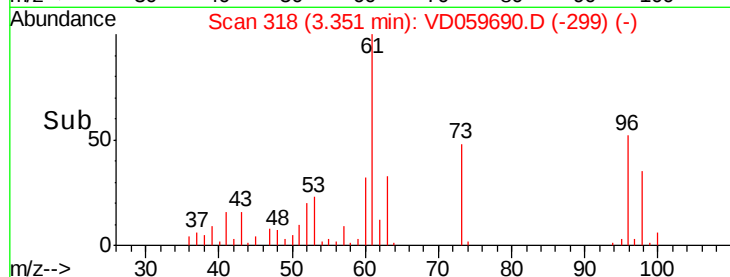
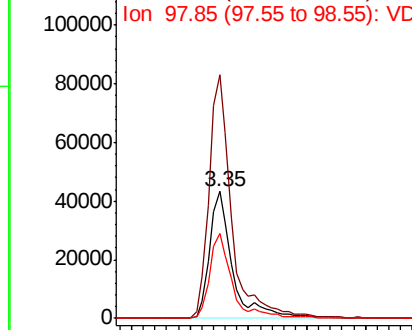
APPROVED

MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 97.78 ug/l

RT: 4.04 min Scan# 388

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion: 45 Resp: 519494

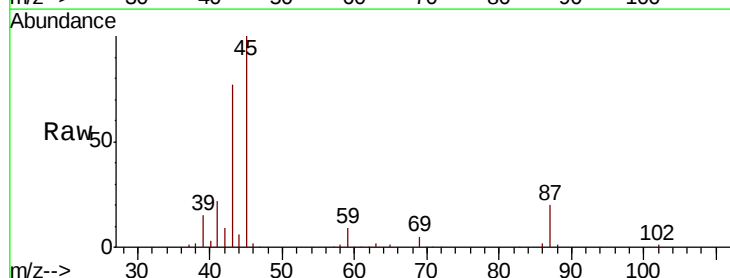
Ion Ratio Lower Upper

45 100

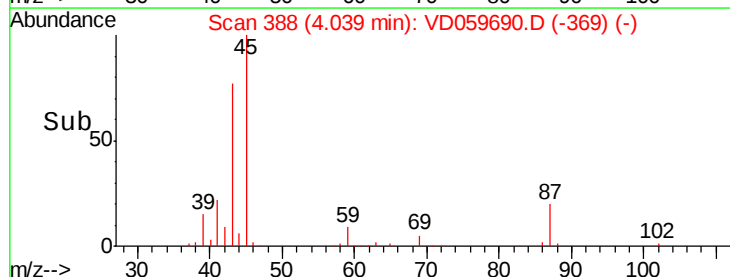
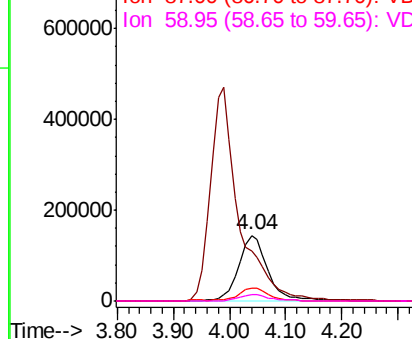
43 77.4 60.3 90.5

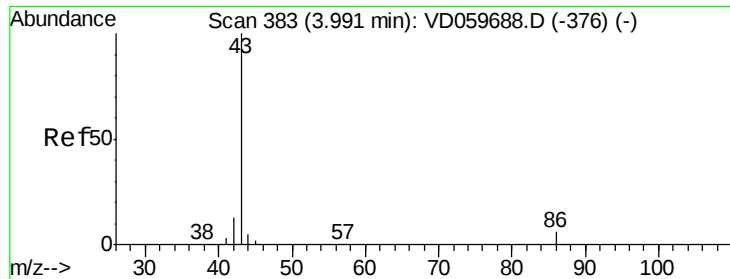
87 20.4 17.0 25.6

59 9.4 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





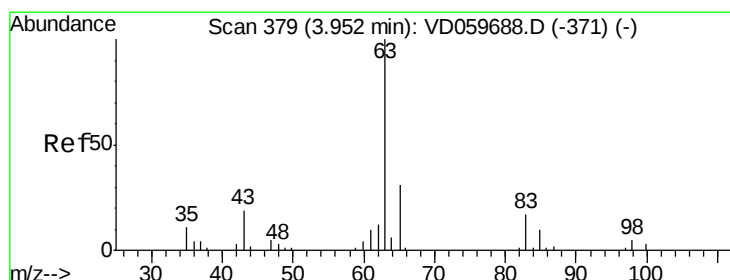
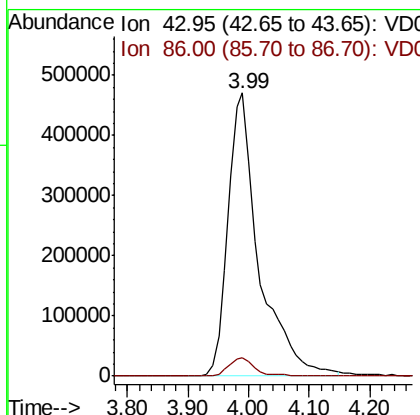
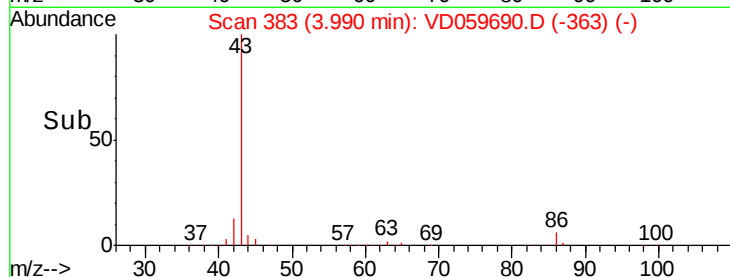
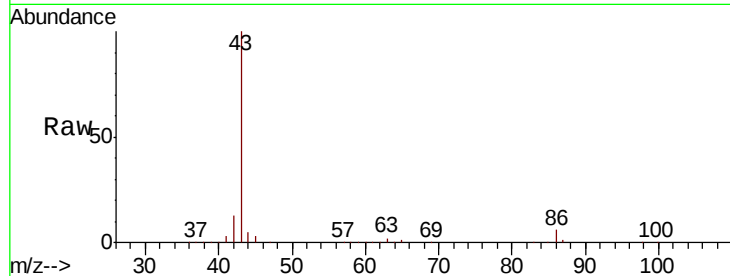
#23
 Vinyl Acetate
 Concen: 503.88 ug/l
 RT: 3.99 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1670774
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.8 7.2

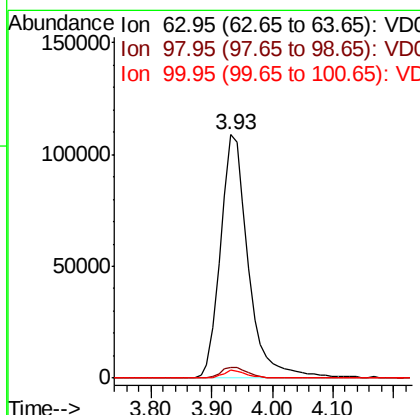
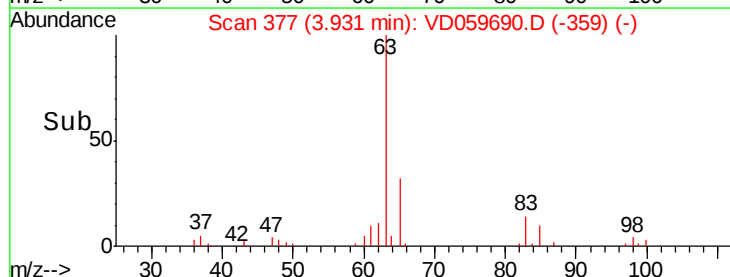
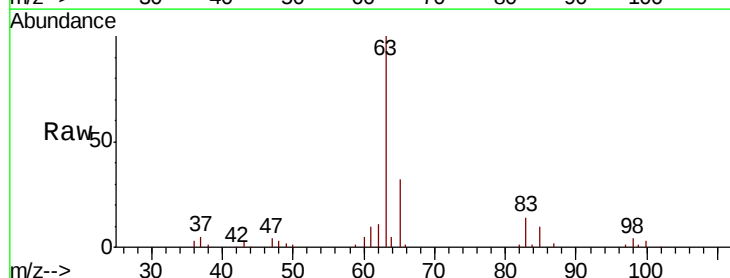
Manual Integrations
 APPROVED

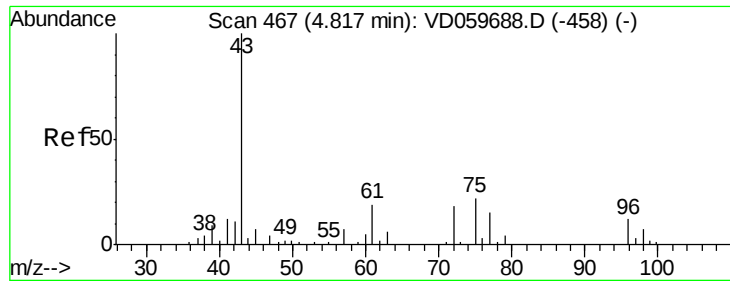
MMDadoda
 8/7/2018 2:26:31 PM



#24
 1,1-Dichloroethane
 Concen: 97.09 ug/l
 RT: 3.93 min Scan# 377
 Delta R.T. -0.02 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion: 63 Resp: 347400
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.4 7.1
 100 3.1 1.6 4.8





#25

2-Butanone

Concen: 543.85 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 343835

Ion Ratio Lower Upper

43 100

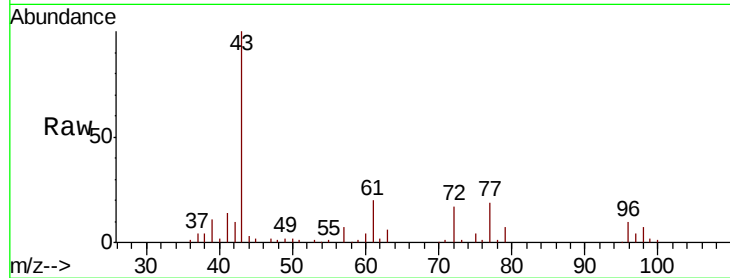
72 17.4 14.6 21.8

Manual Integrations

APPROVED

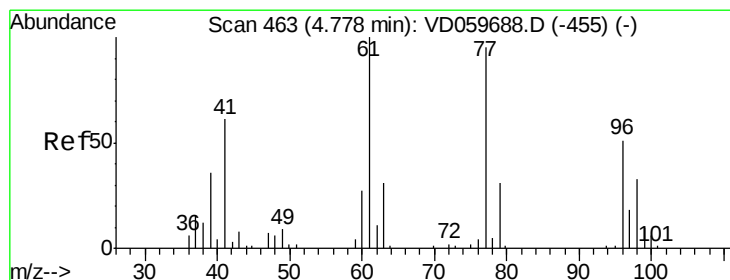
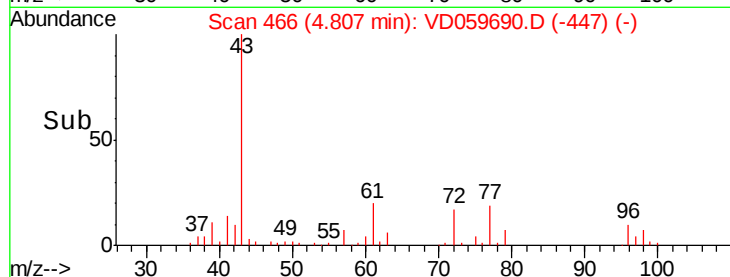
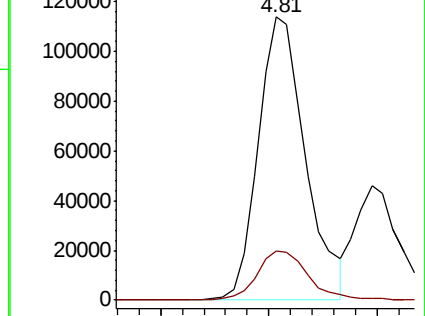
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 95.22 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059690.D

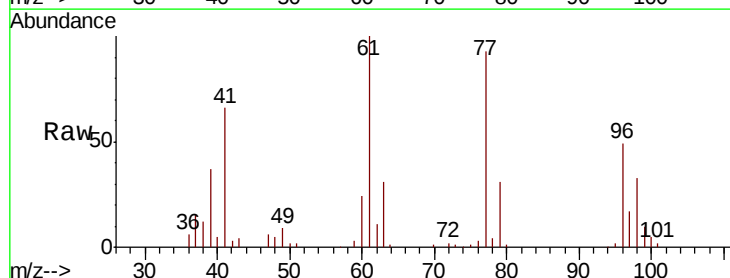
Acq: 6 Aug 2018 13:02

Tgt Ion: 77 Resp: 369946

Ion Ratio Lower Upper

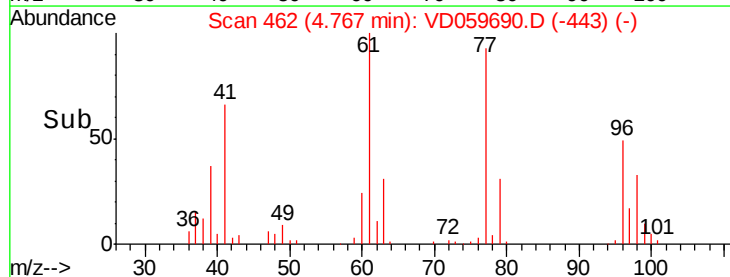
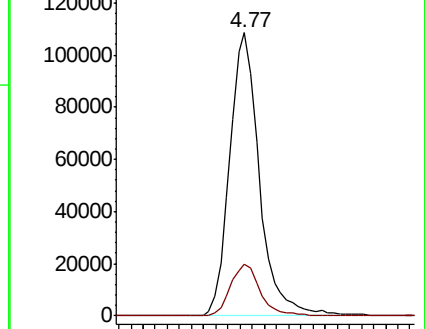
77 100

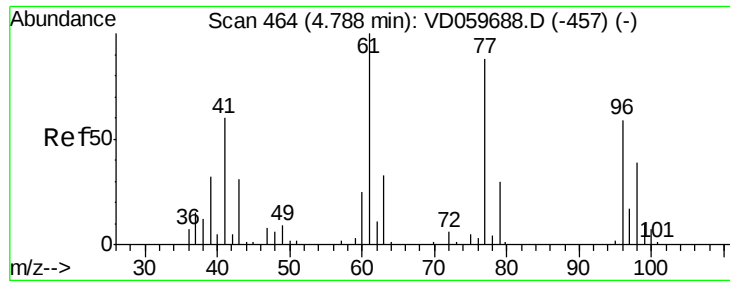
97 18.3 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 93.36 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.02 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

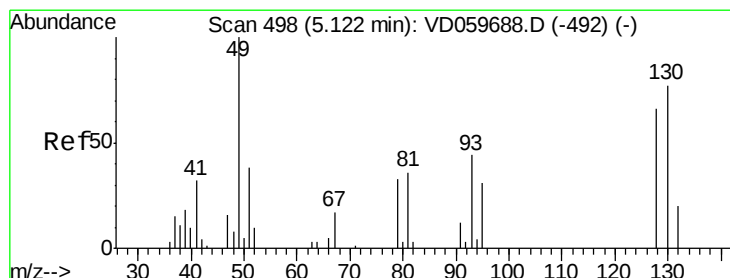
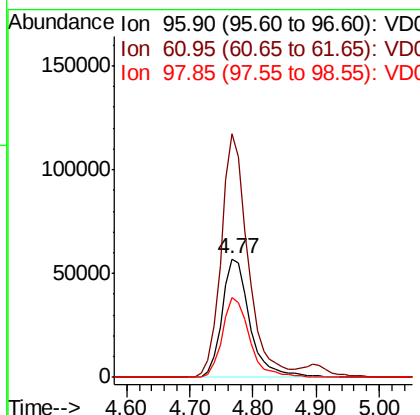
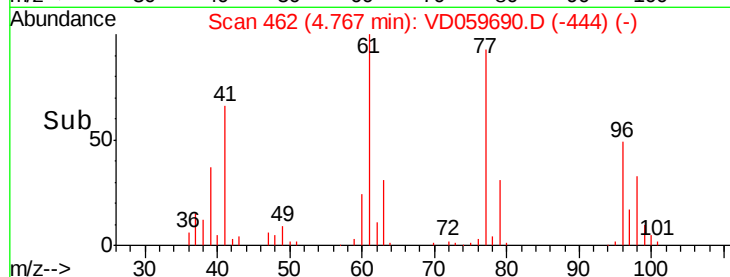
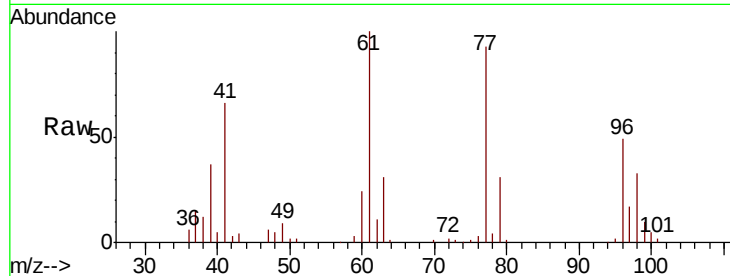
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	175387
Ion	Ratio	Lower	Upper
96	100		
61	205.6	0.0	341.6
98	67.4	0.0	131.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#28

Bromochloromethane

Concen: 101.69 ug/l

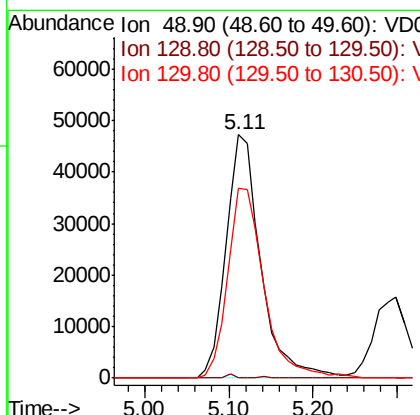
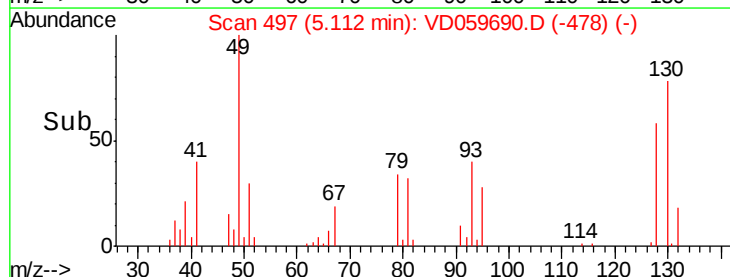
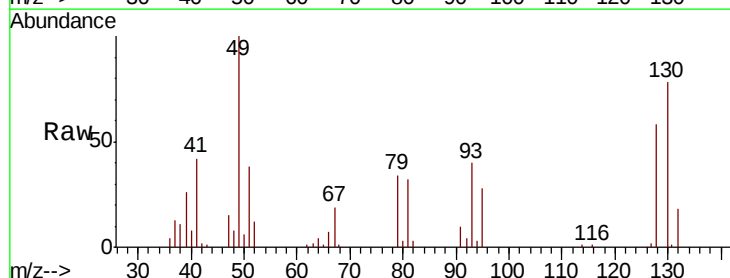
RT: 5.11 min Scan# 497

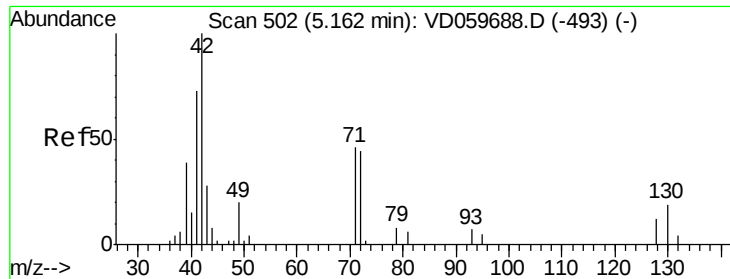
Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	49	Resp:	134858
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	77.9	61.2	91.8





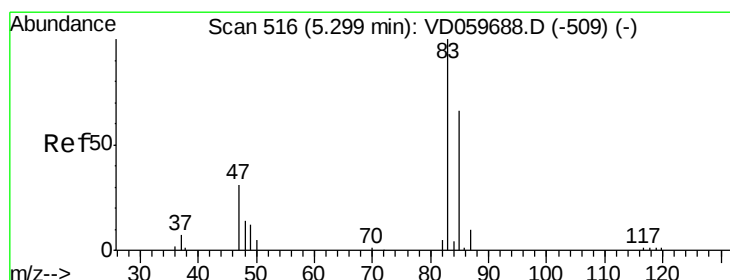
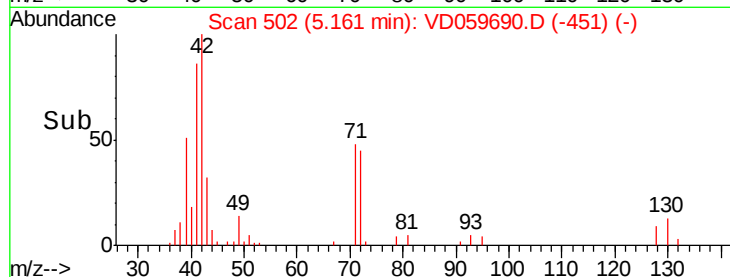
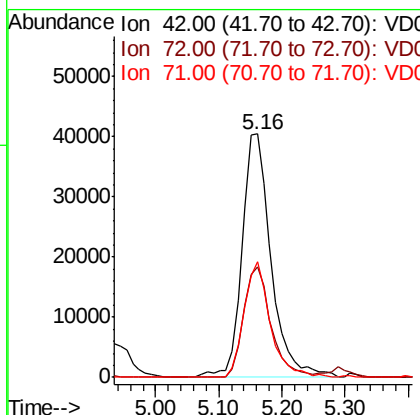
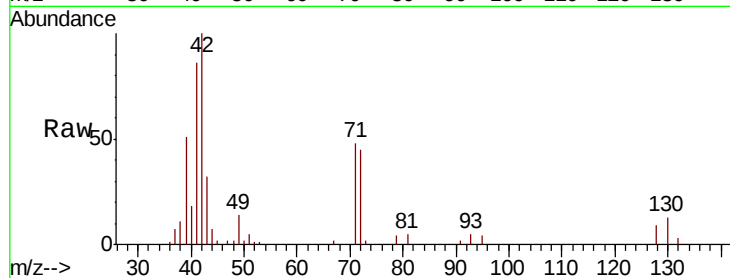
#29
Tetrahydrofuran
Concen: 522.30 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.7	55.1
71	43.2	36.3	54.5

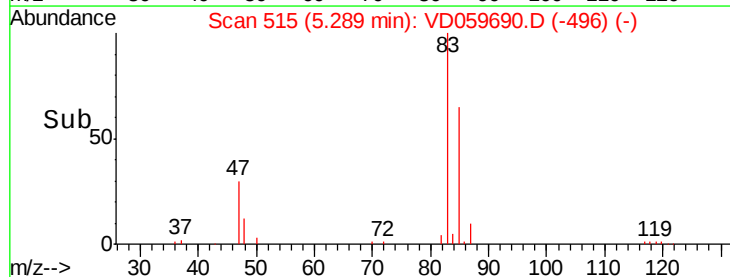
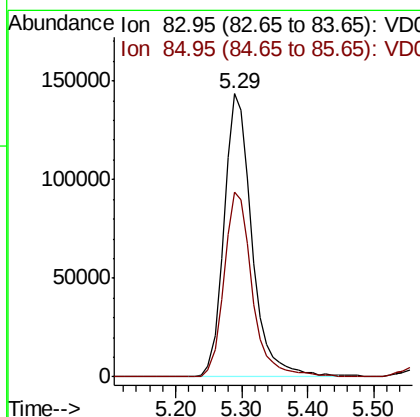
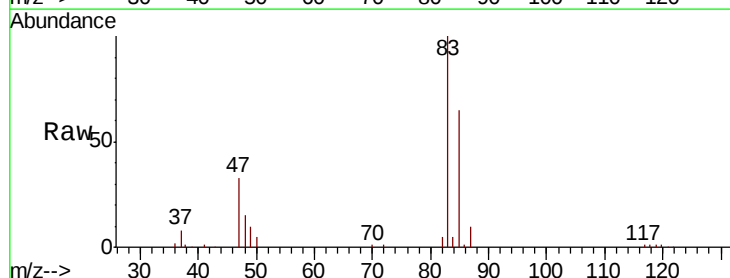
Manual Integrations
APPROVED

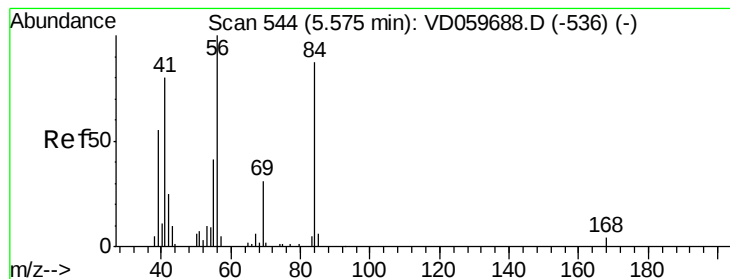
MMDadoda
8/7/2018 2:26:31 PM



#30
Chloroform
Concen: 98.49 ug/l
RT: 5.29 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0





#31

Cyclohexane

Concen: 87.29 ug/l

RT: 5.56 min Scan# 543

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

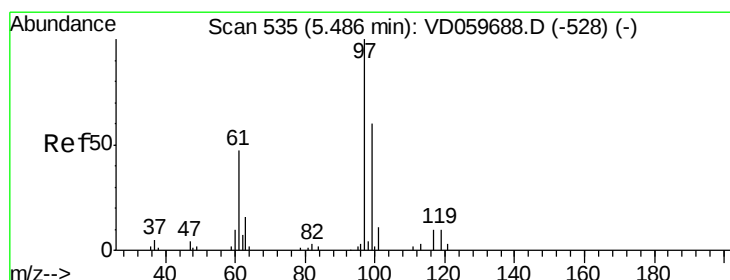
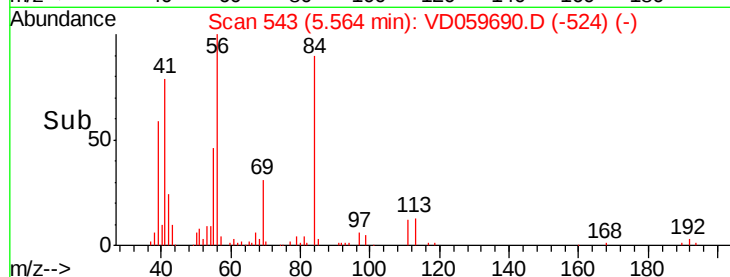
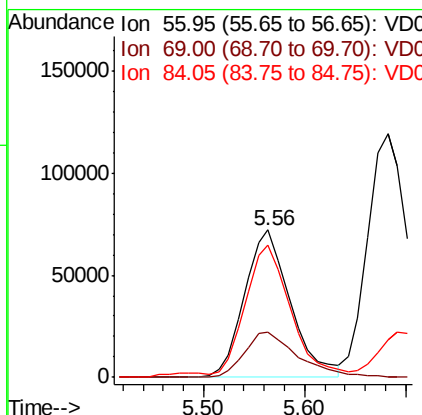
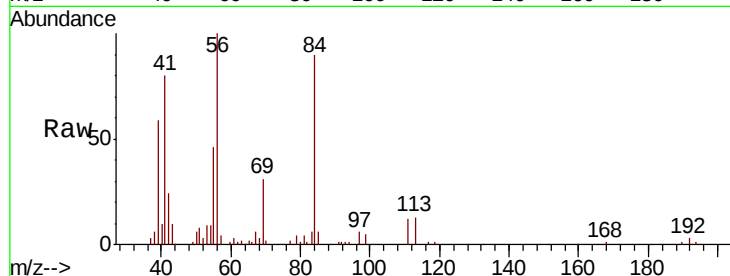
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	227356
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.7	37.1
84	90.3	72.2	108.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#32

1,1,1-Trichloroethane

Concen: 100.58 ug/l

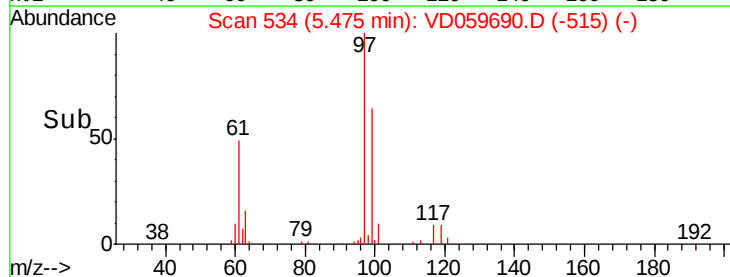
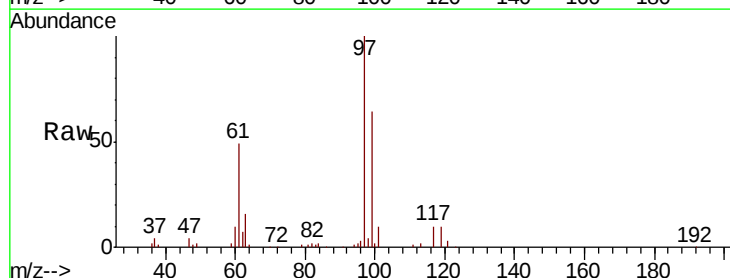
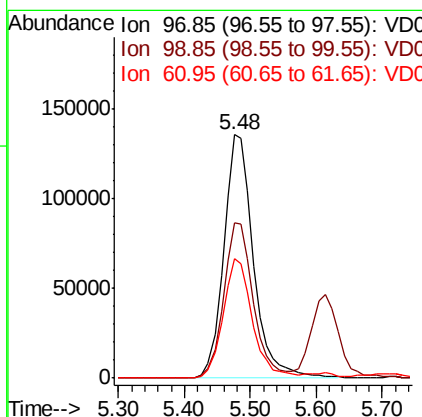
RT: 5.48 min Scan# 534

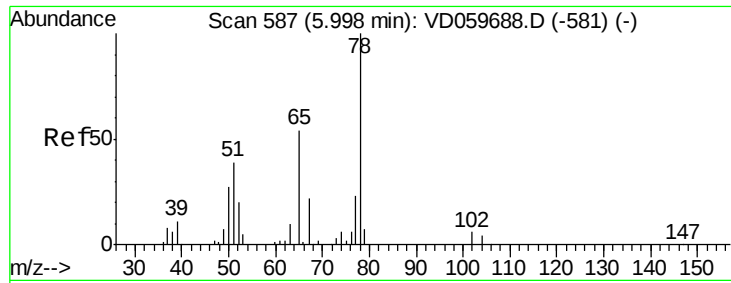
Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	97	Resp:	425772
Ion	Ratio	Lower	Upper
97	100		
99	63.9	48.2	72.2
61	49.0	37.5	56.3





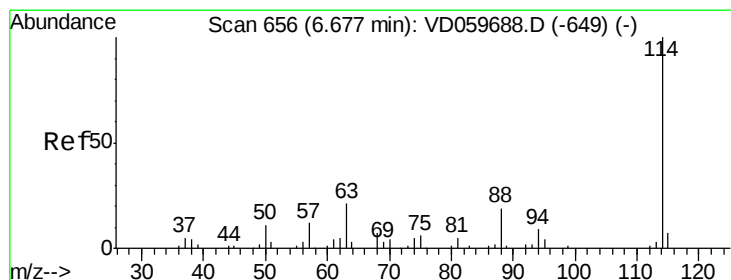
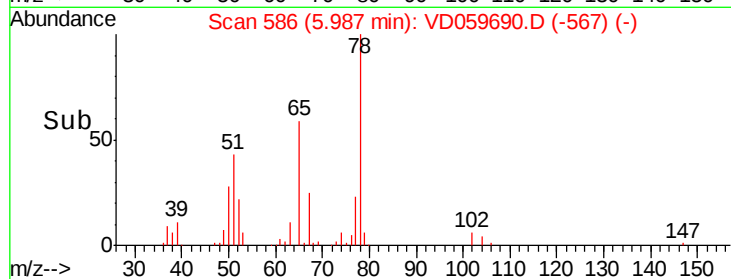
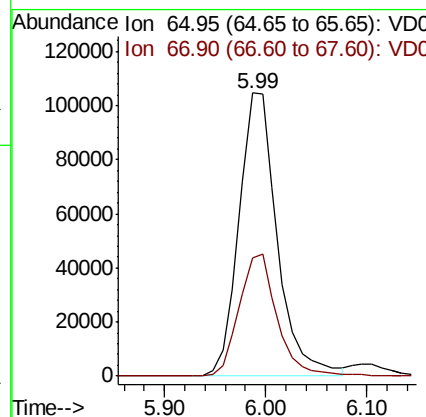
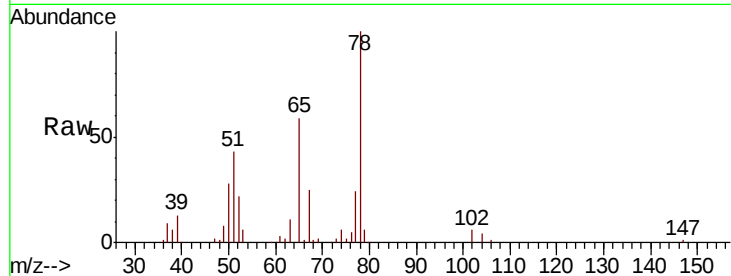
#33
 1,2-Dichloroethane-d4
 Concen: 100.58 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	276740		
67	41.8	0.0	80.4	

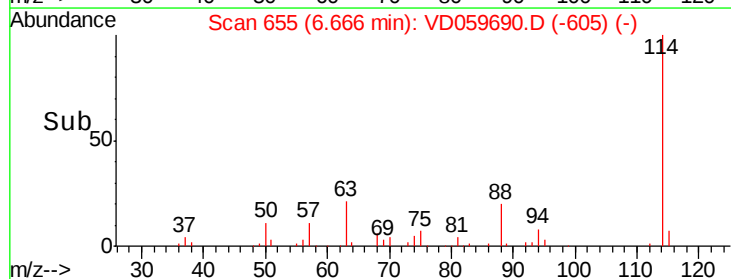
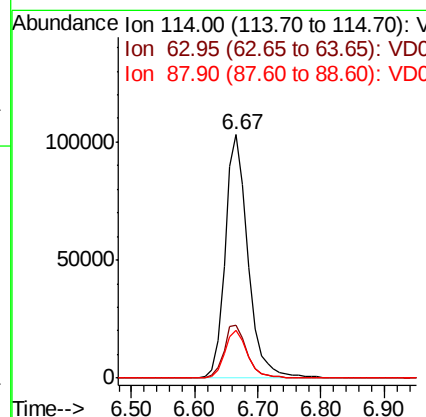
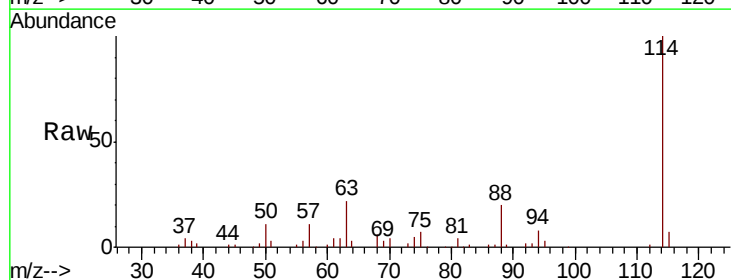
Manual Integrations
 APPROVED

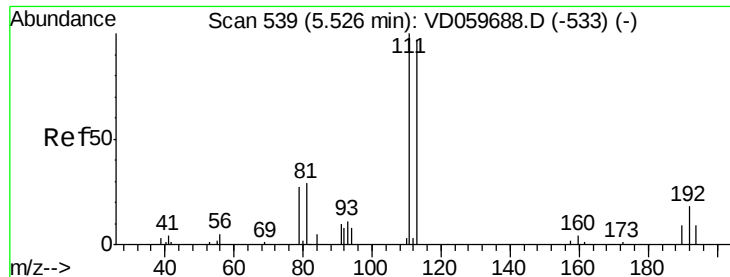
MMDadoda
 8/7/2018 2:26:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258649		
63	21.8	0.0	42.6	
88	19.8	0.0	38.8	





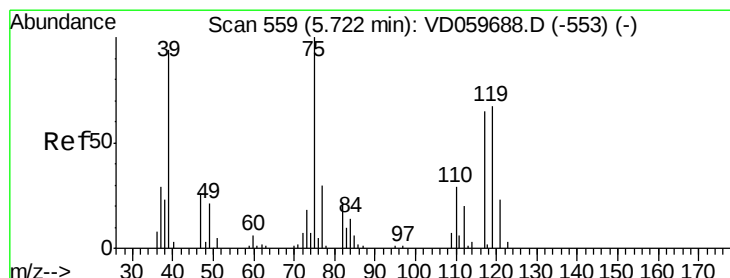
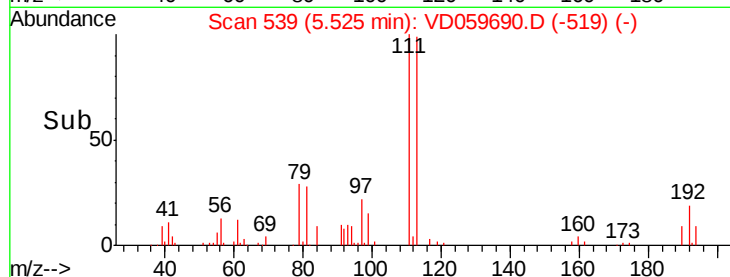
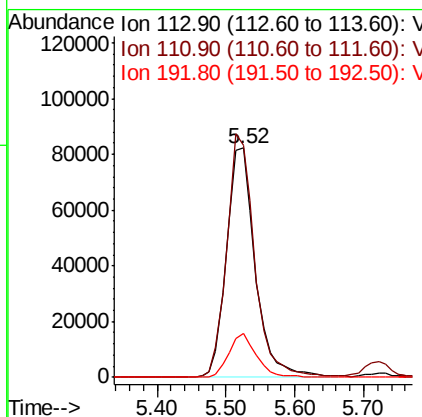
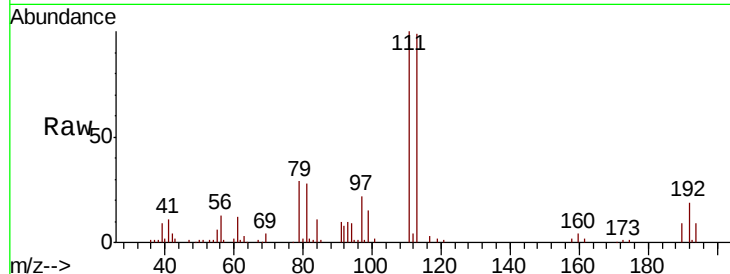
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.52 min Scan# 539
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238504		
111	101.1	82.8	124.2	
192	19.3	14.6	22.0	

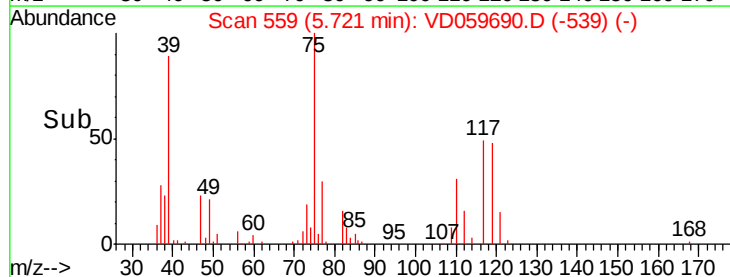
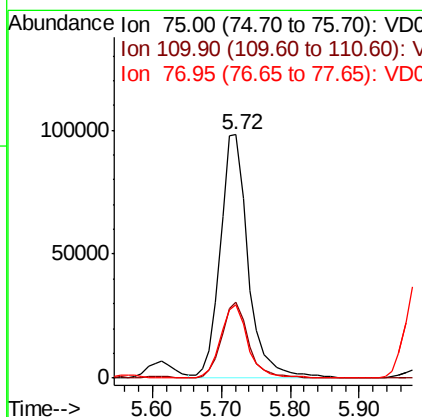
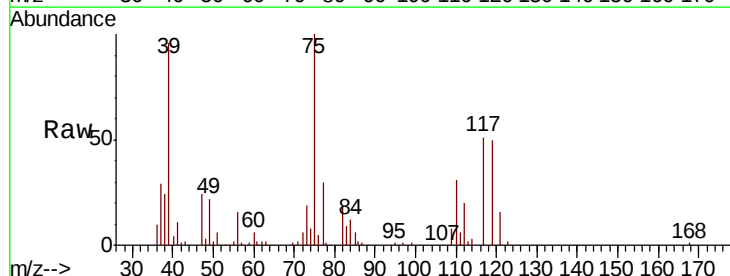
Manual Integrations
APPROVED

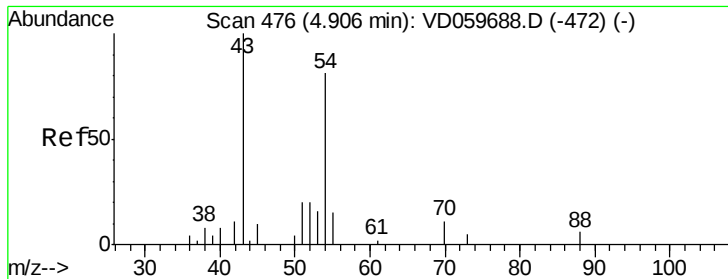
MMDadoda
8/7/2018 2:26:31 PM



#36
1,1-Dichloropropene
Concen: 93.94 ug/l
RT: 5.72 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	271637		
110	31.4	14.1	42.3	
77	30.2	23.9	35.9	





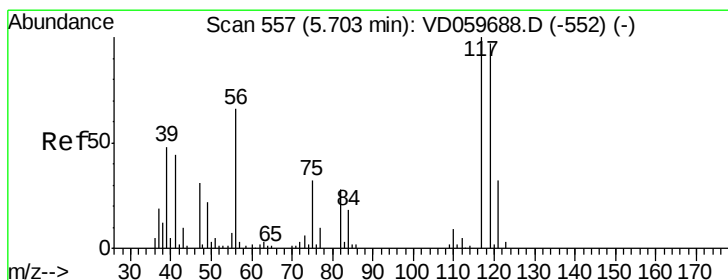
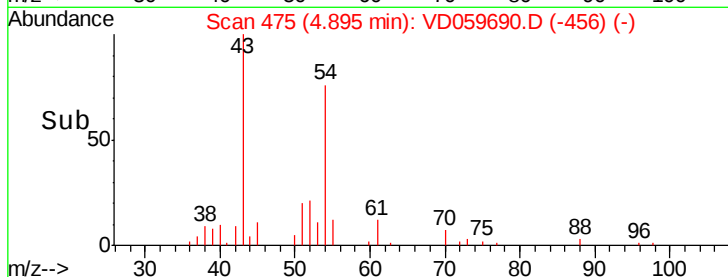
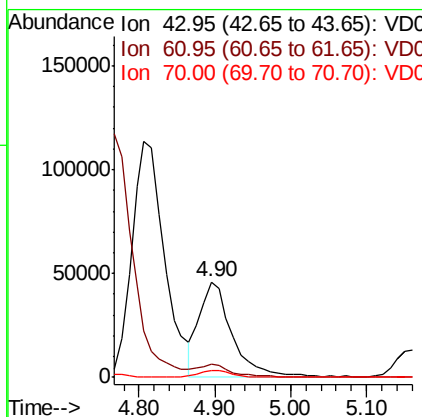
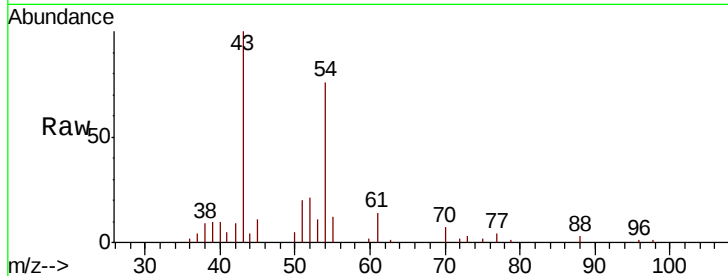
#37
Ethyl Acetate
Concen: 99.60 ug/l
RT: 4.90 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.1	15.1
70	7.0	5.4	8.2

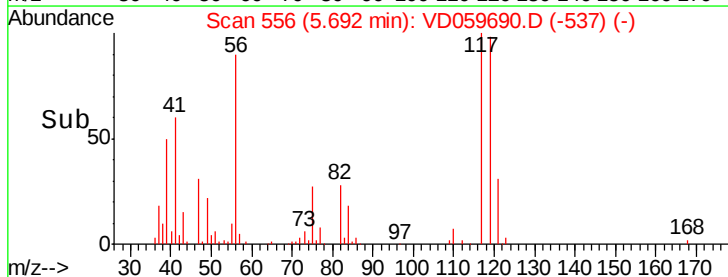
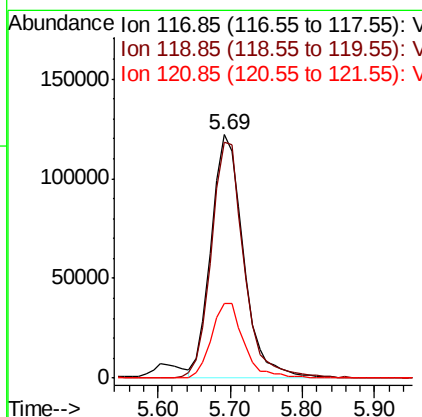
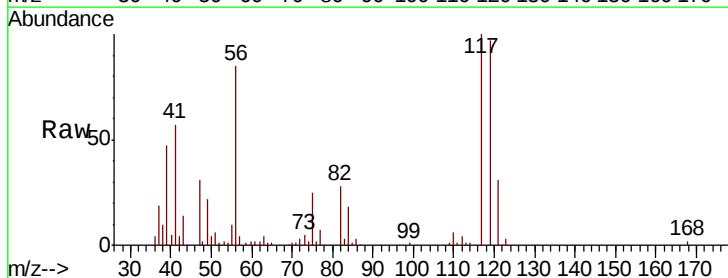
Manual Integrations
APPROVED

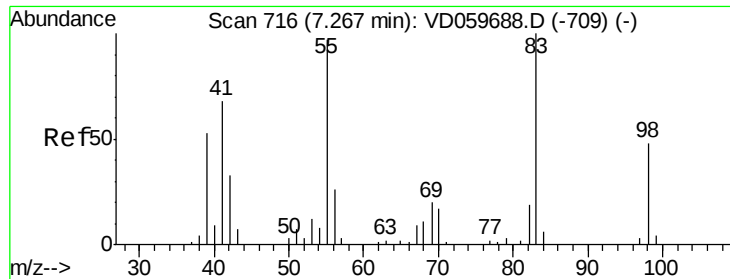
MMDadoda
8/7/2018 2:26:31 PM



#38
Carbon Tetrachloride
Concen: 95.46 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.3	112.9
121	30.5	24.4	36.6





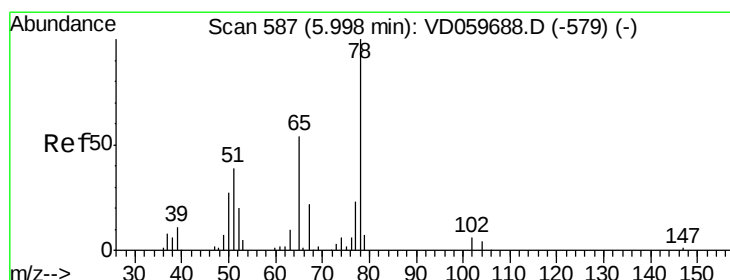
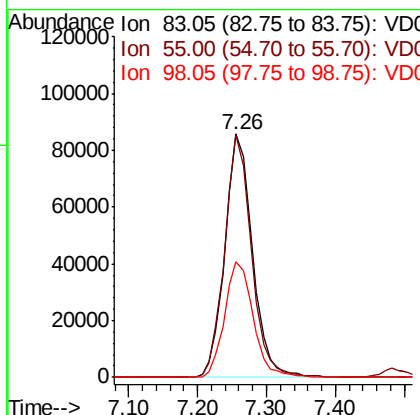
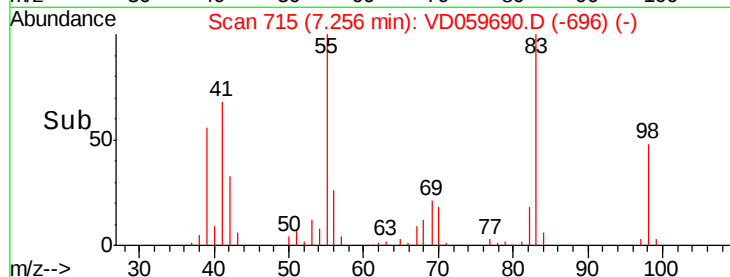
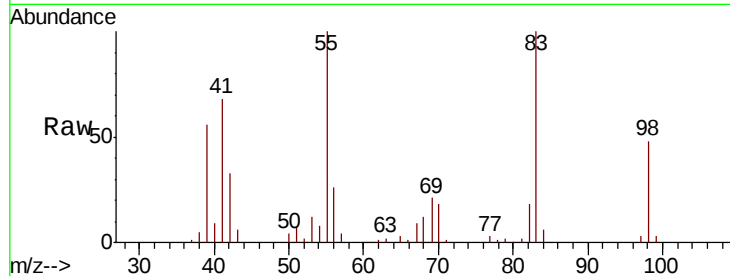
#39
Methvlcvclohexane
Concen: 99.61 ug/l
RT: 7.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.8	77.7	116.5
98	47.7	38.7	58.1

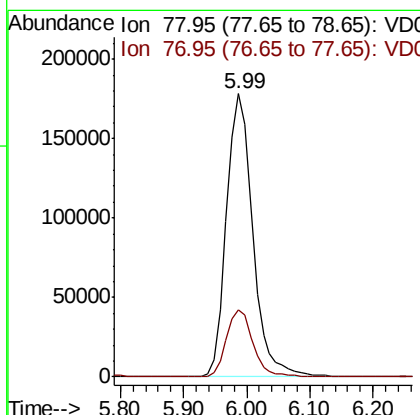
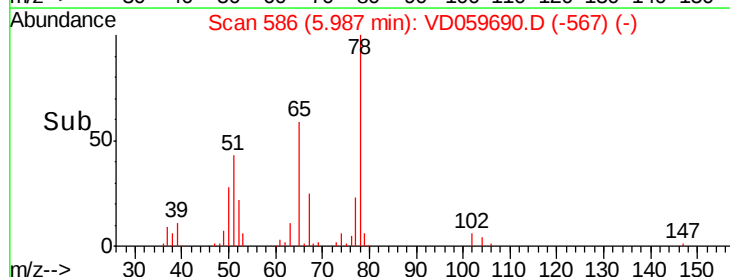
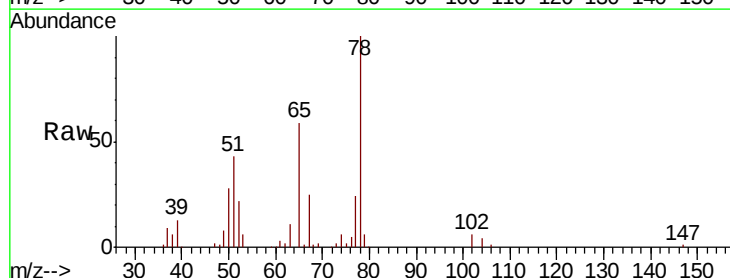
Manual Integrations
APPROVED

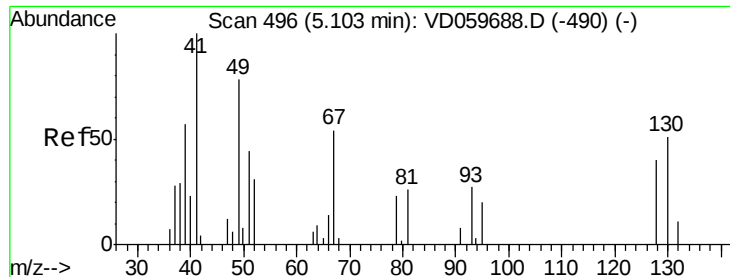
MMDadoda
8/7/2018 2:26:31 PM



#40
Benzene
Concen: 92.47 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





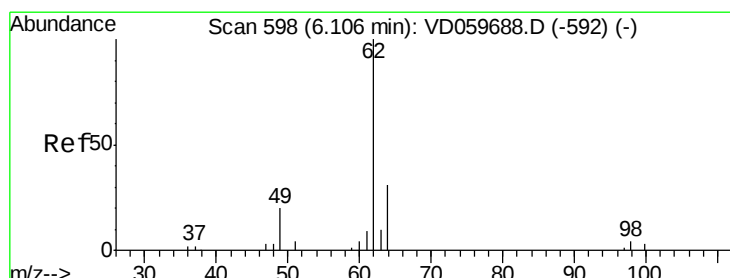
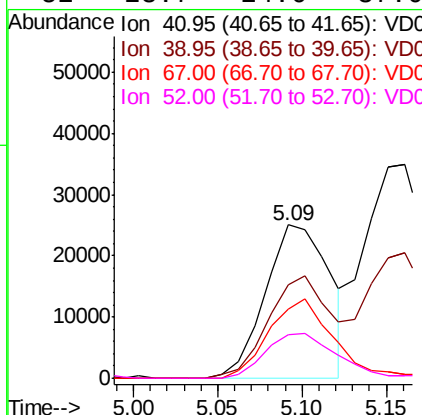
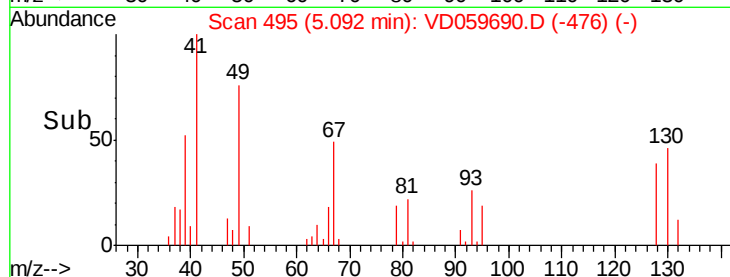
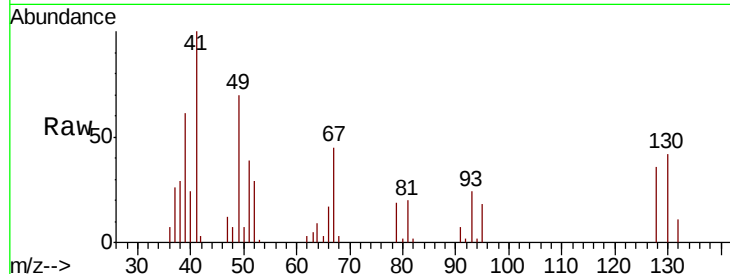
#41
Methacrylonitrile
Concen: 101.43 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	45.8	68.8	
67	45.2	43.4	65.2	
52	28.7	24.6	37.0	

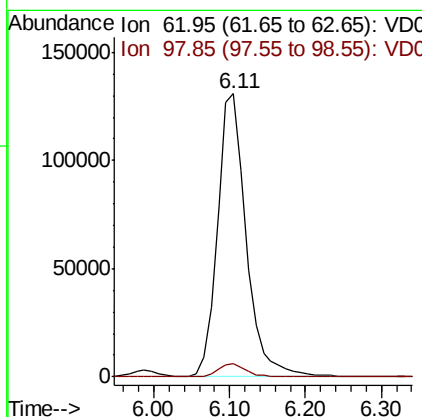
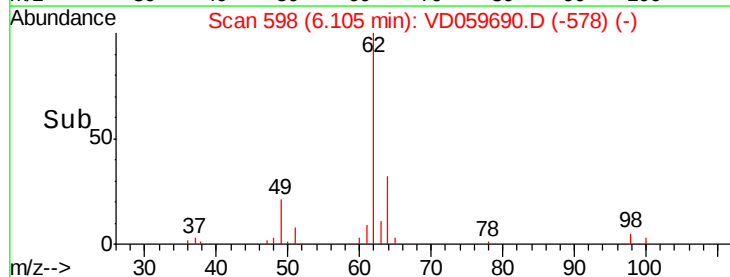
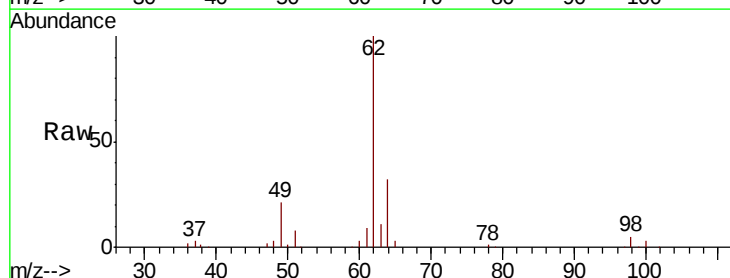
Manual Integrations
APPROVED

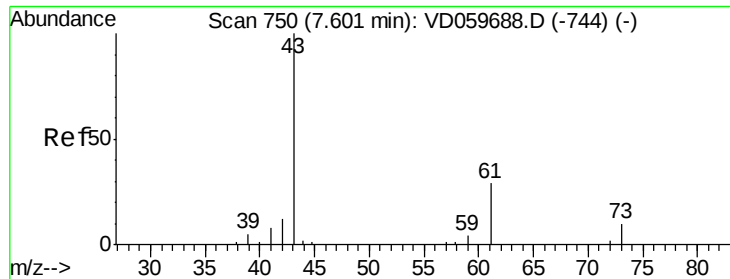
MMDadoda
8/7/2018 2:26:31 PM



#42
1,2-Dichloroethane
Concen: 100.65 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.5	0.0	8.8	





#43

Isopropyl Acetate

Concen: 103.05 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

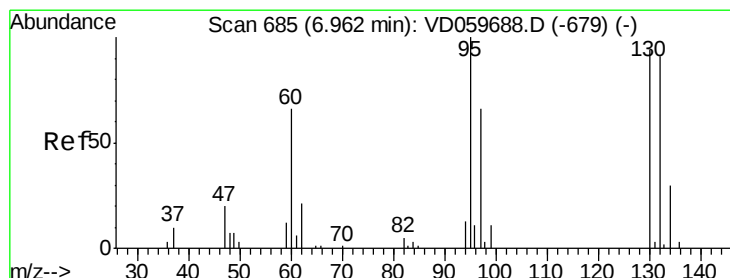
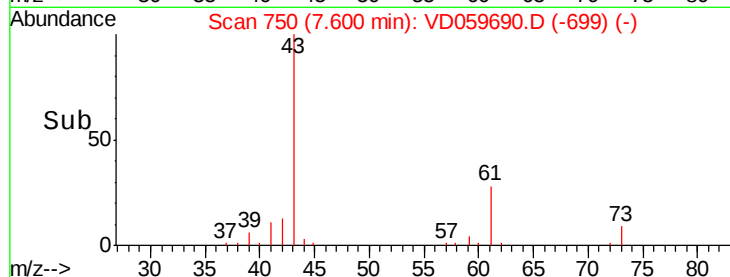
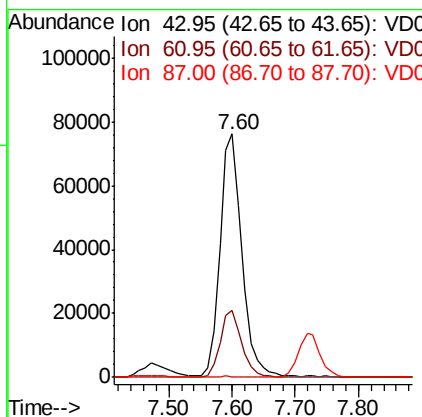
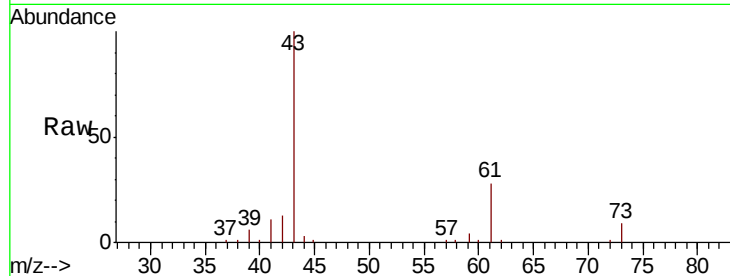
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	185685
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.9	34.3
87	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#44

Trichloroethene

Concen: 99.94 ug/l

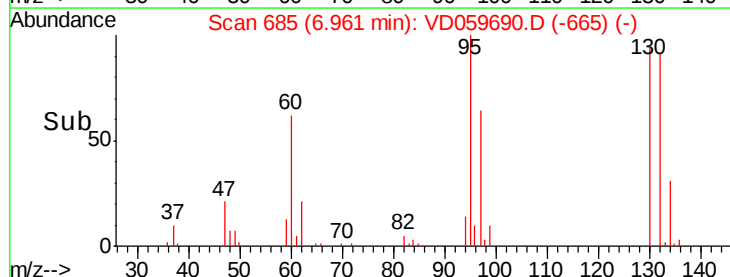
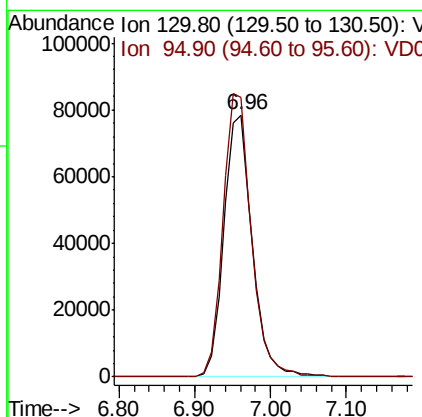
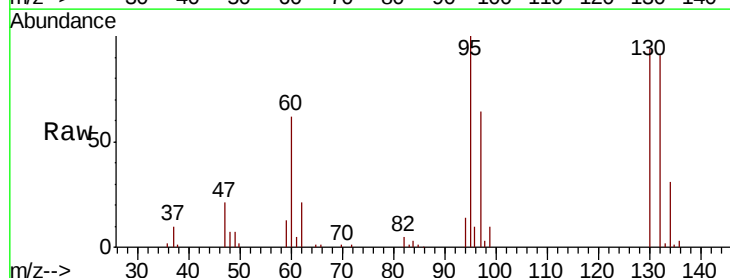
RT: 6.96 min Scan# 685

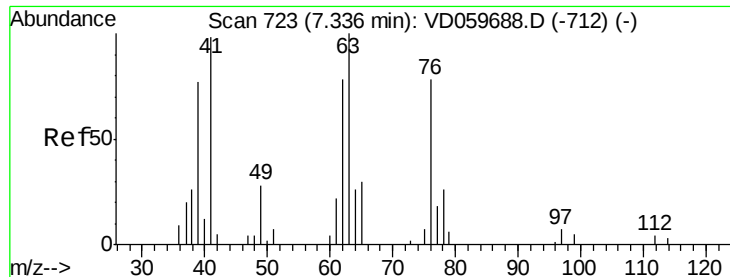
Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	130	Resp:	203233
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	212.8





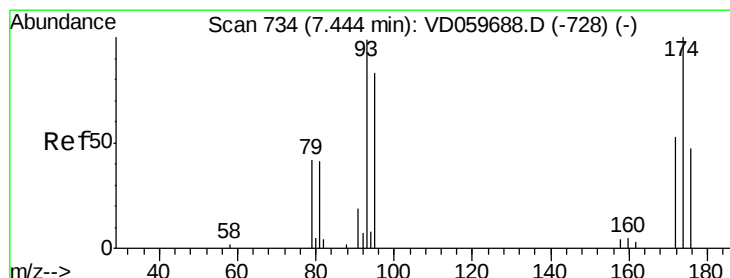
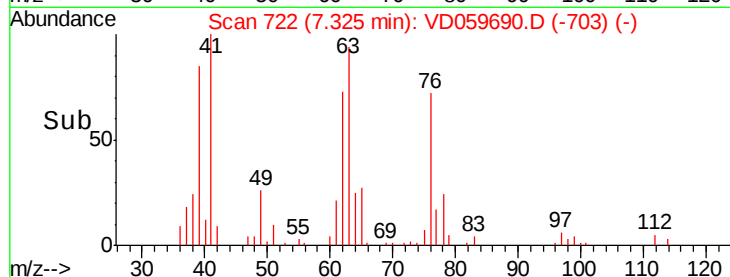
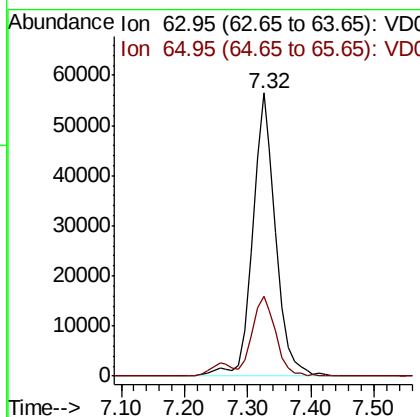
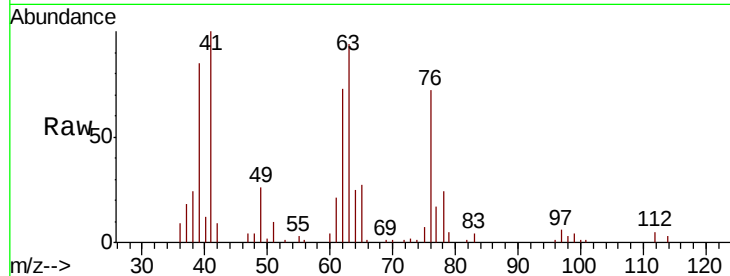
#45
1,2-Dichloropropane
Concen: 99.53 ug/l
RT: 7.32 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 143297
Ion Ratio Lower Upper
63 100
65 28.3 24.2 36.4

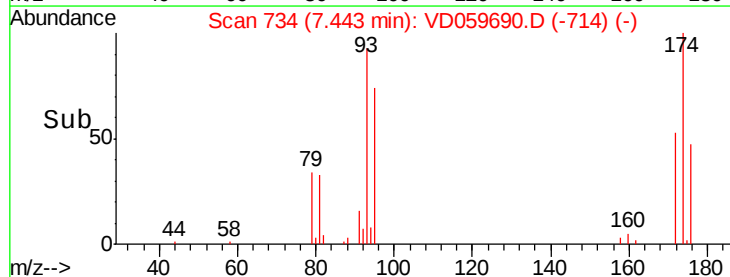
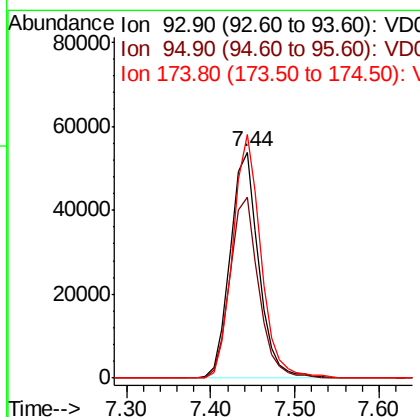
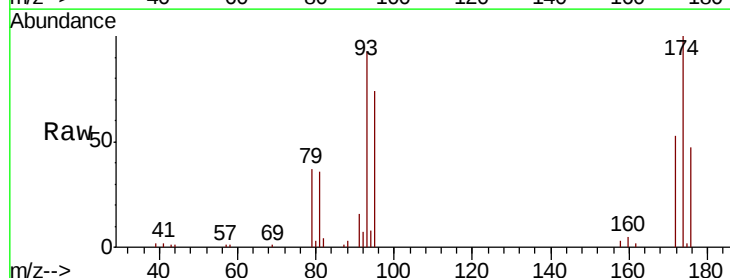
Manual Integrations
APPROVED

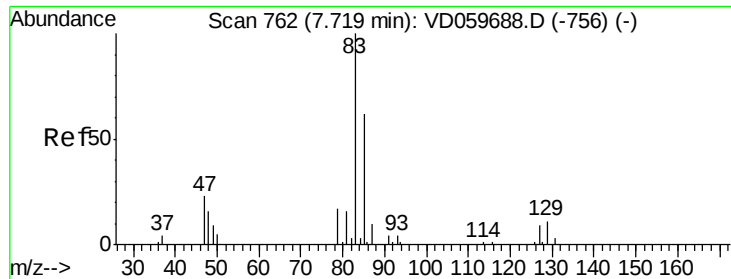
MMDadoda
8/7/2018 2:26:31 PM



#46
Dibromomethane
Concen: 100.12 ug/l
RT: 7.44 min Scan# 734
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion: 93 Resp: 126868
Ion Ratio Lower Upper
93 100
95 80.1 66.6 100.0
174 107.8 80.6 120.8





#47

Bromodichloromethane

Concen: 99.78 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

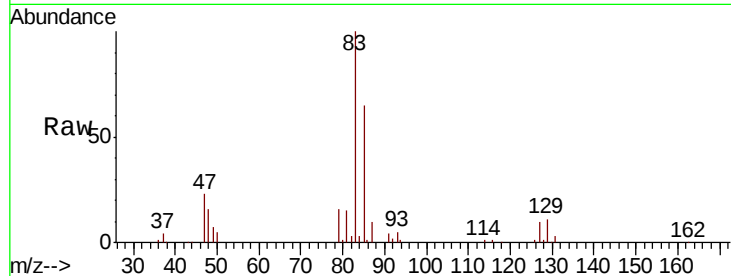
ClientSampleId :

VSTDIC100

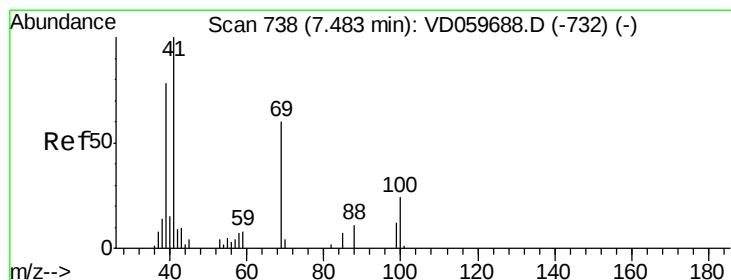
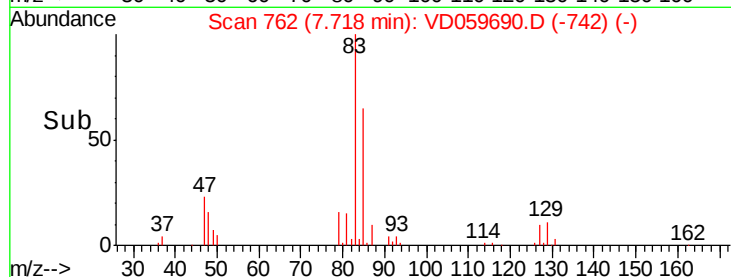
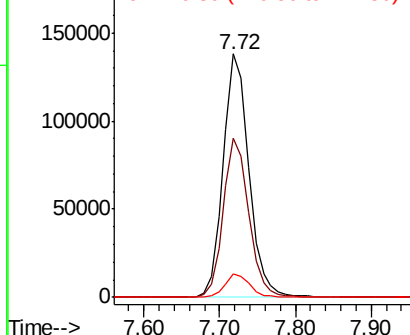
Tot Ion:	83	Resp:	324174
Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.8	74.8
127	9.7	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 104.08 ug/l

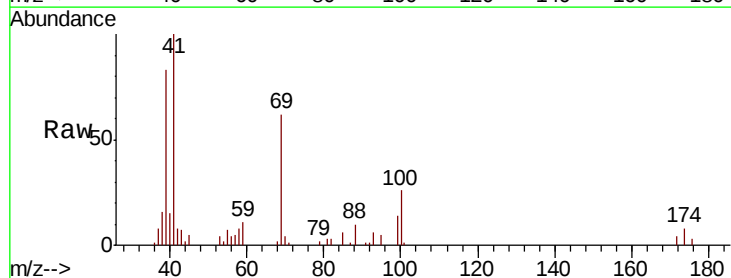
RT: 7.48 min Scan# 738

Delta R.T. -0.00 min

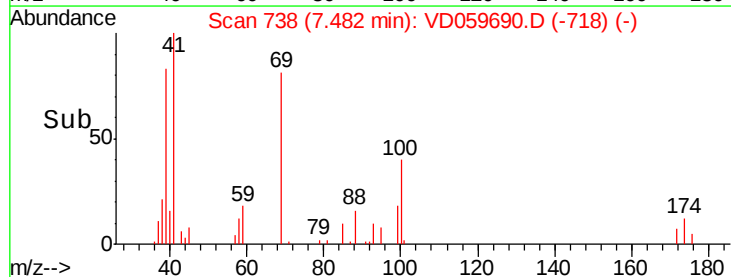
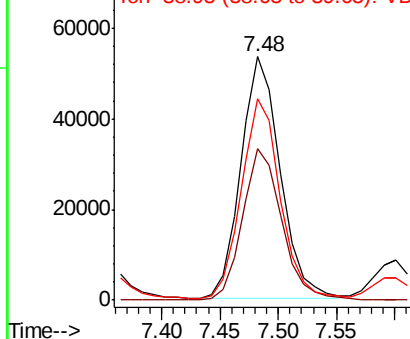
Lab File: VD059690.D

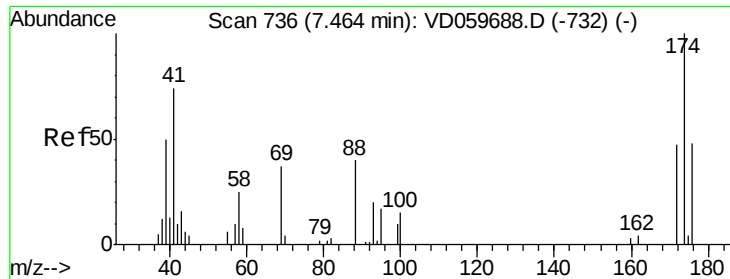
Acq: 6 Aug 2018 13:02

Tgt Ion:	41	Resp:	124241
Ion	Ratio	Lower	Upper
41	100		
69	62.1	47.3	70.9
39	82.5	62.9	94.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





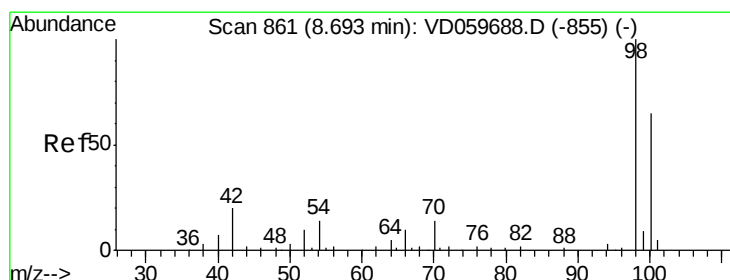
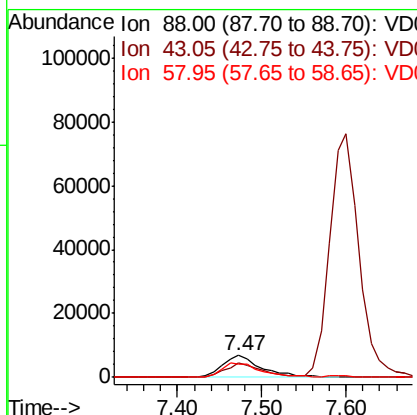
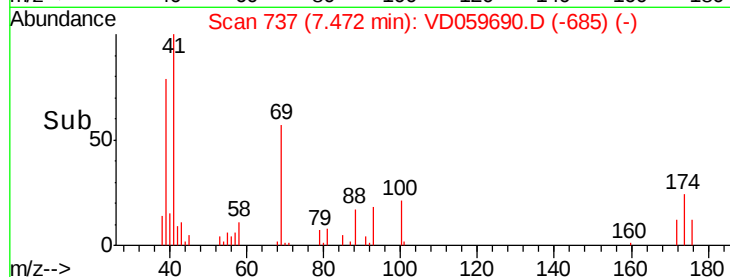
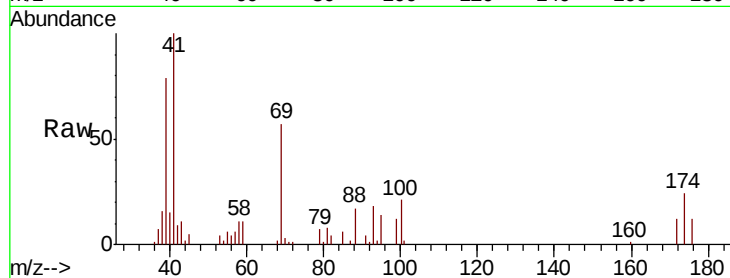
#49
1,4-Dioxane
Concen: 2357.33 ug/l
RT: 7.47 min Scan# 737
Delta R.T. 0.01 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	65.5	32.2	48.2#
58	63.2	51.5	77.3

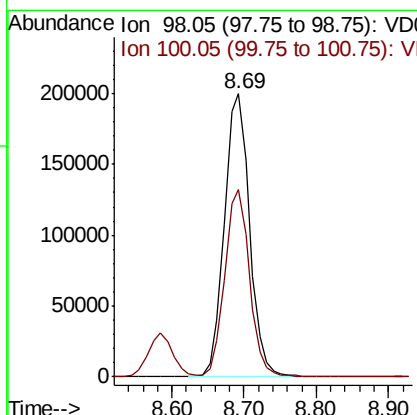
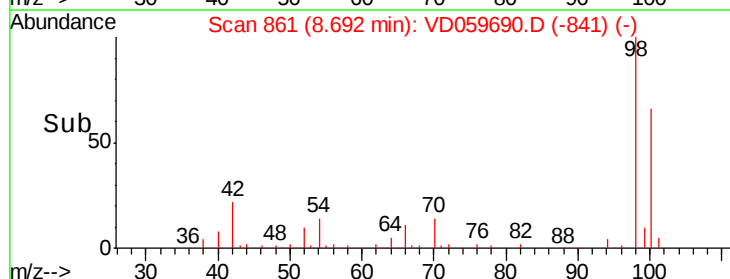
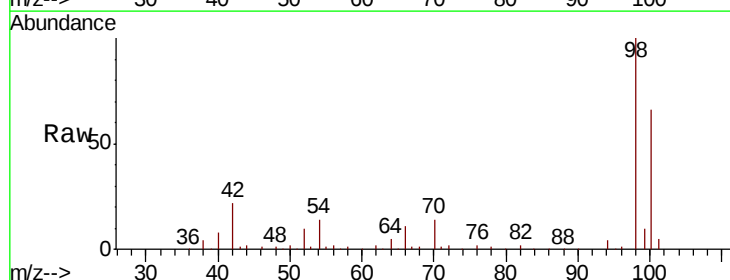
Manual Integrations
APPROVED

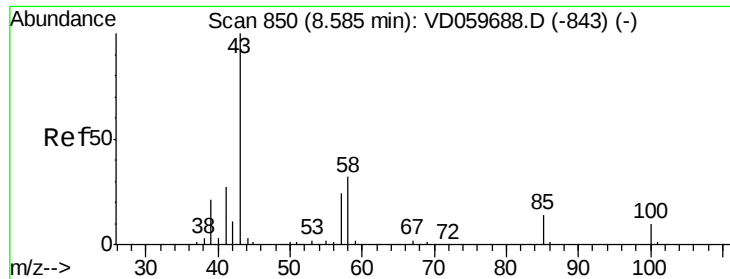
MMDadoda
8/7/2018 2:26:31 PM



#50
Toluene-d8
Concen: 2357.33 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 526.18 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 690368

Ion Ratio Lower Upper

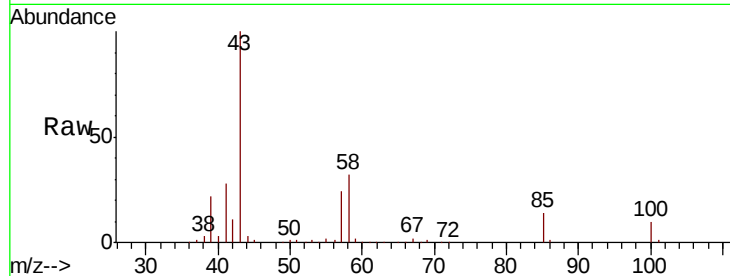
43 100

58 32.4 25.7 38.5

Manual Integrations
APPROVED

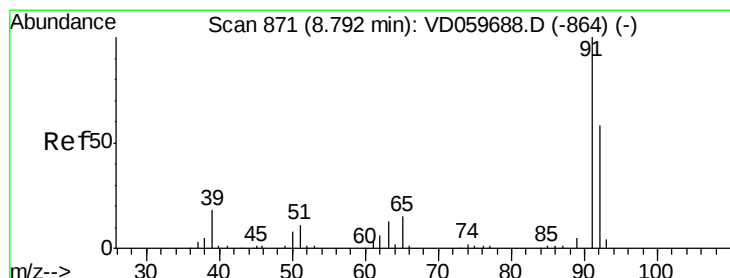
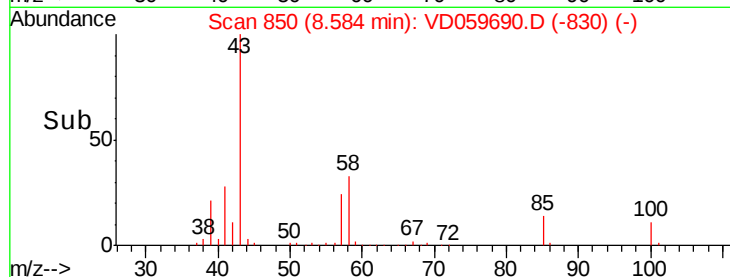
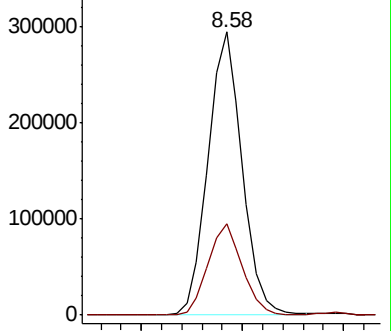
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 93.62 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059690.D

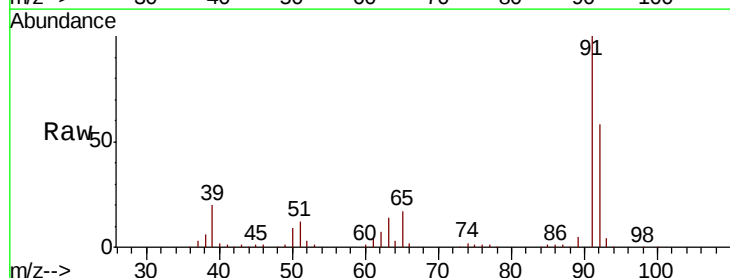
Acq: 6 Aug 2018 13:02

Tgt Ion: 92 Resp: 328699

Ion Ratio Lower Upper

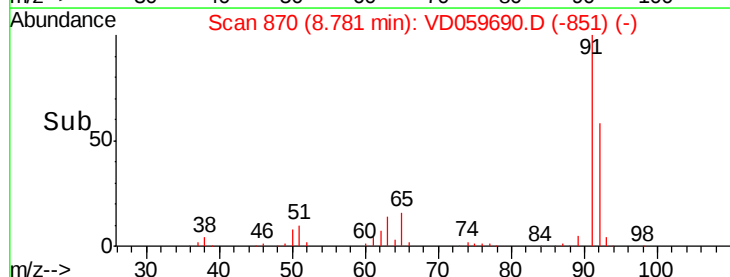
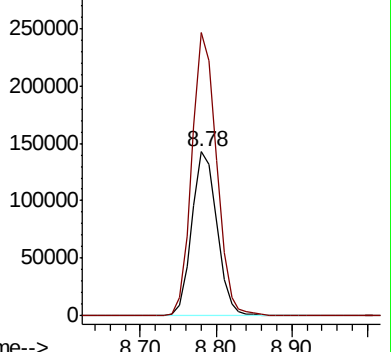
92 100

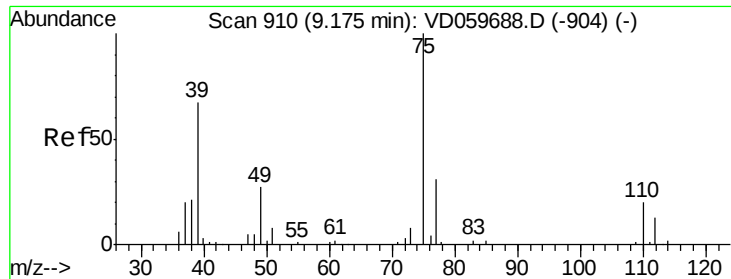
91 172.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 99.57 ug/l

RT: 9.16 min Scan# 909

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 273975

Ion Ratio Lower Upper

75 100

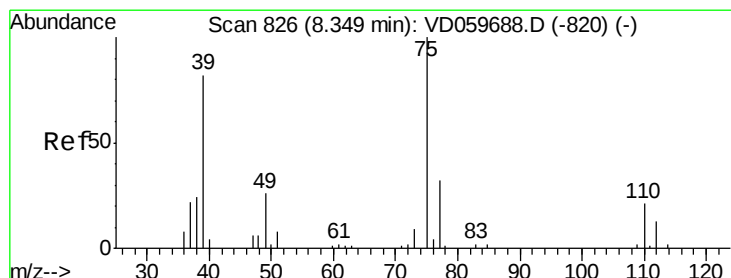
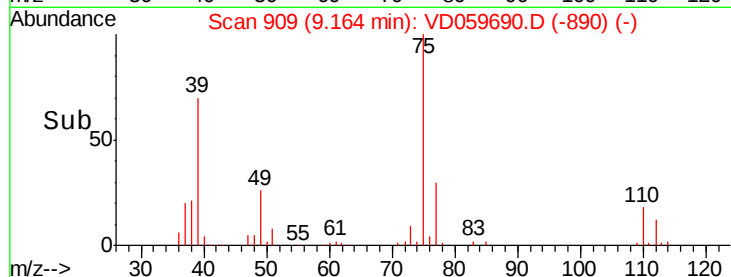
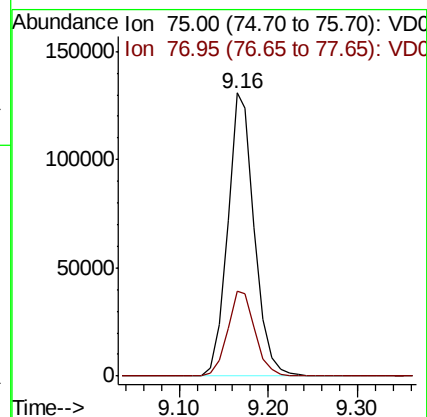
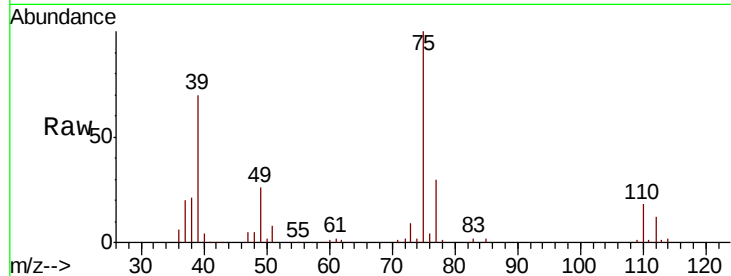
77 30.2 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

8/7/2018 2:26:31 PM



#54

cis-1,3-Dichloropropene

Concen: 98.57 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

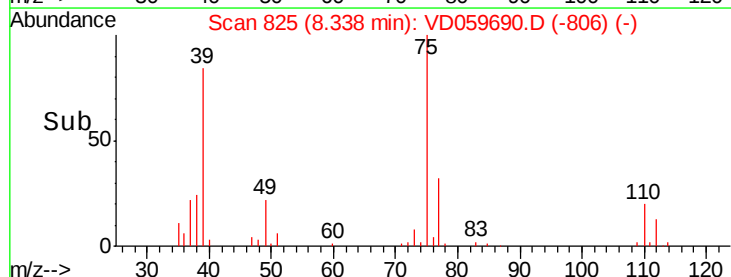
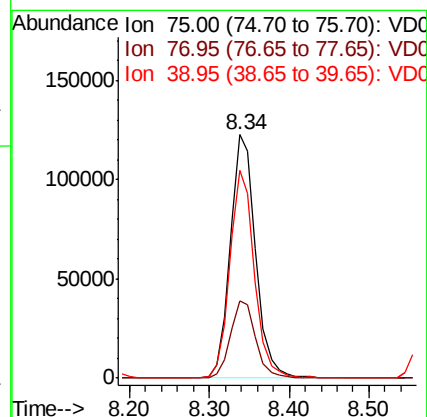
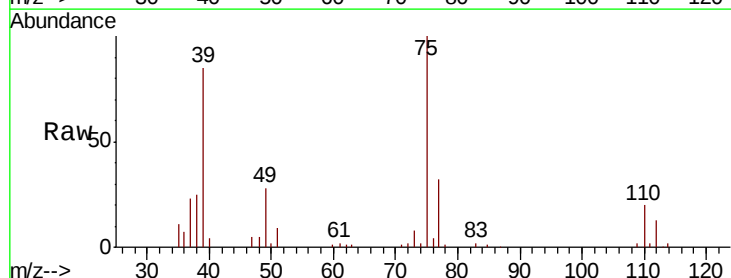
Tgt Ion: 75 Resp: 273728

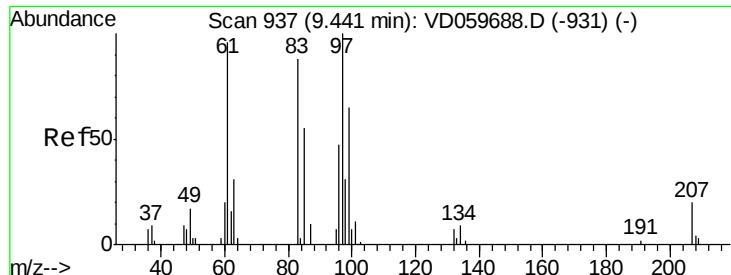
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 85.2 65.4 98.2





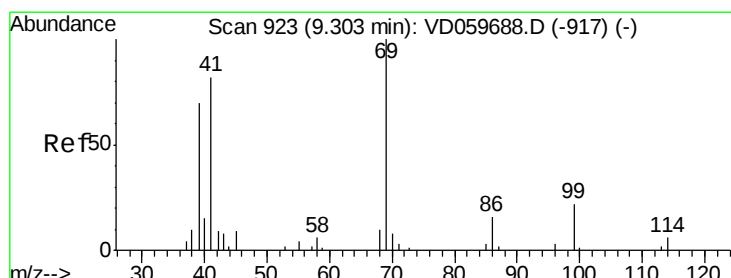
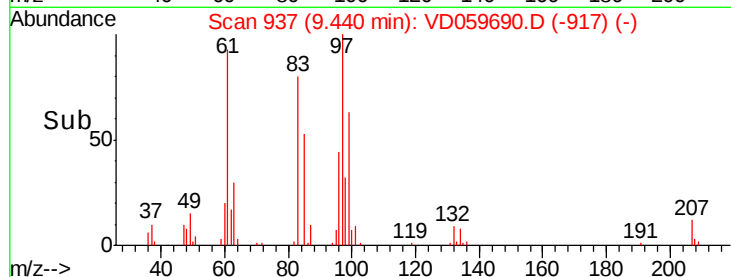
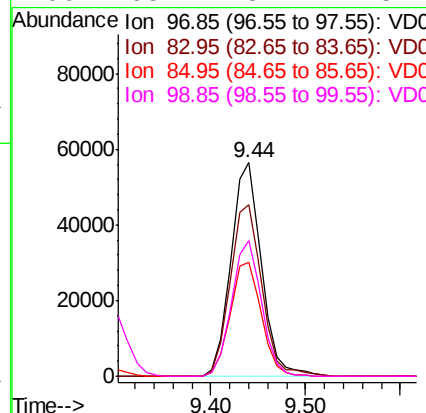
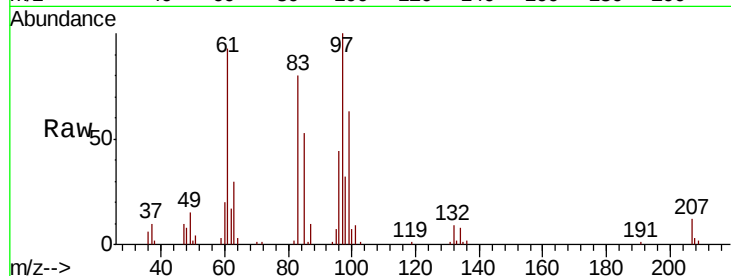
#55
 1,1,2-Trichloroethane
 Concen: 93.31 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125628		
83	80.3	70.8	106.2		
85	53.2	44.1	66.1		
99	63.2	52.2	78.4		

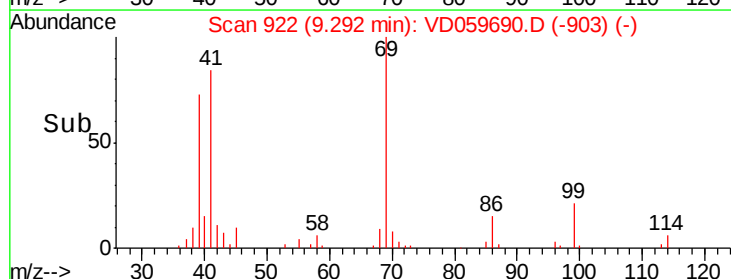
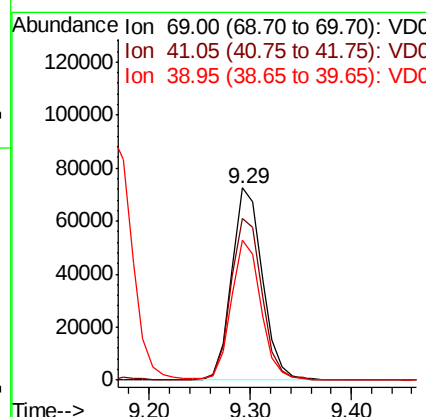
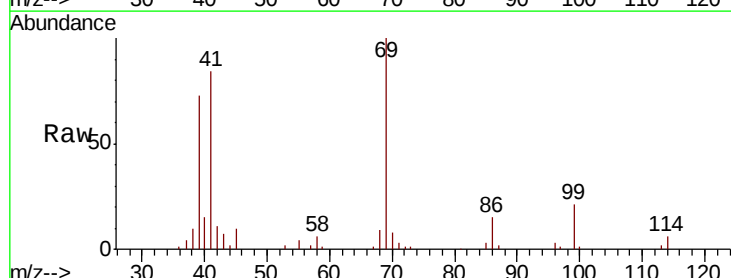
Manual Integrations
 APPROVED

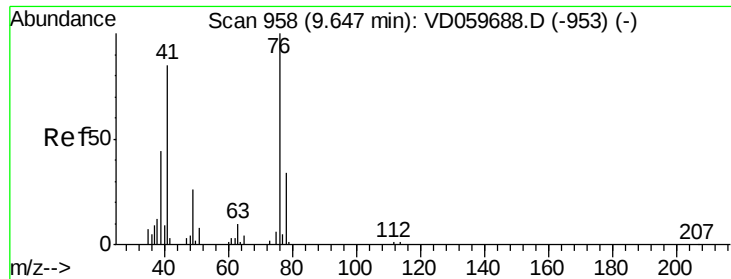
MMDadoda
 8/7/2018 2:26:31 PM



#56
 Ethyl methacrylate
 Concen: 100.48 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152979		
41	84.2	65.7	98.5		
39	72.6	55.8	83.8		





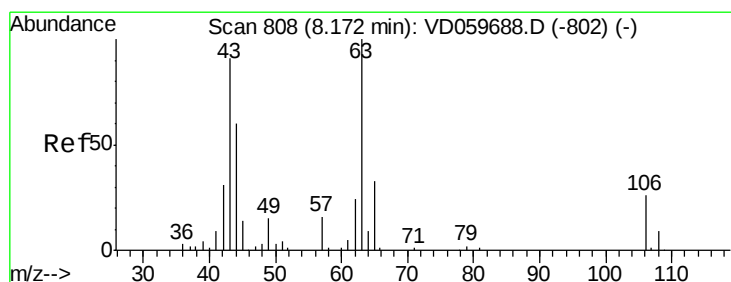
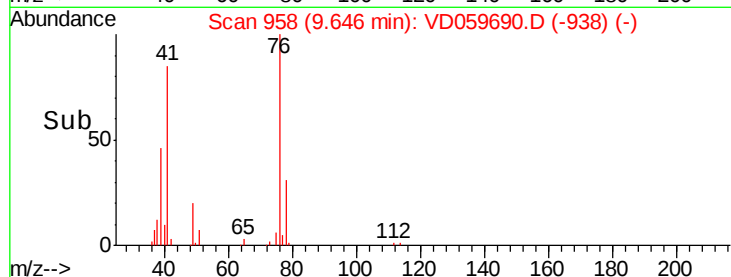
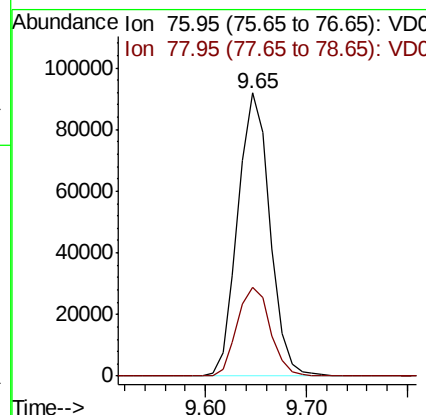
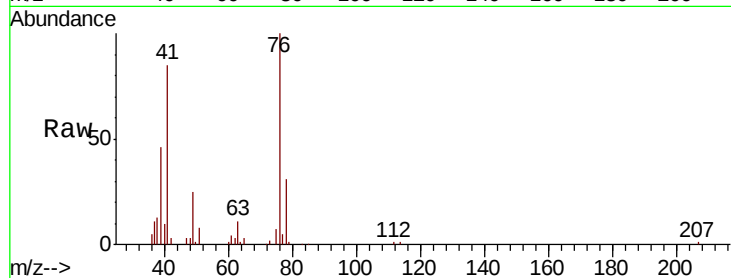
#57
 1,3-Dichloropropane
 Concen: 93.57 ug/l
 RT: 9.65 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 202582
 Ion Ratio Lower Upper
 76 100
 78 31.2 27.5 41.3

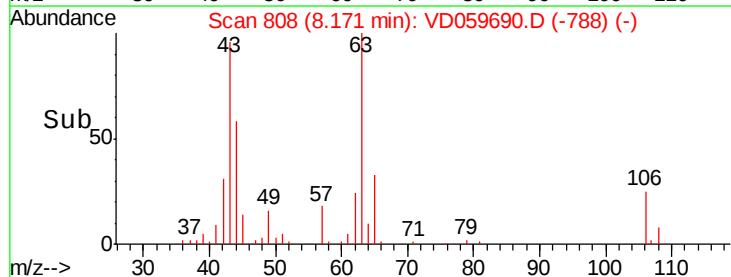
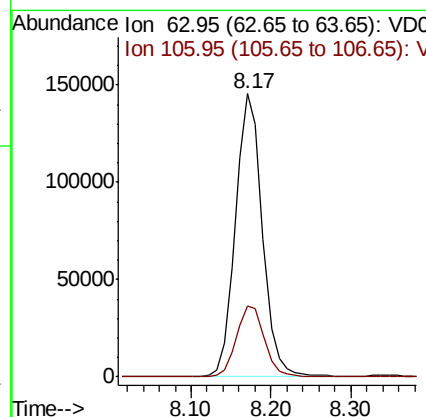
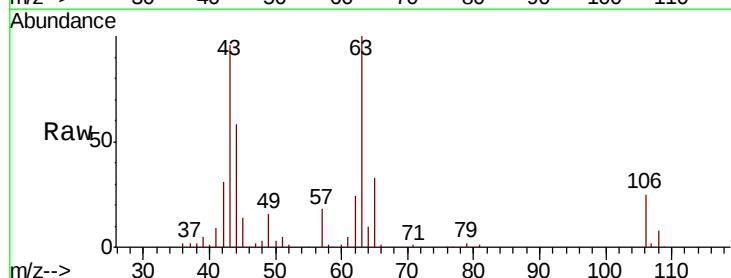
Manual Integrations
 APPROVED

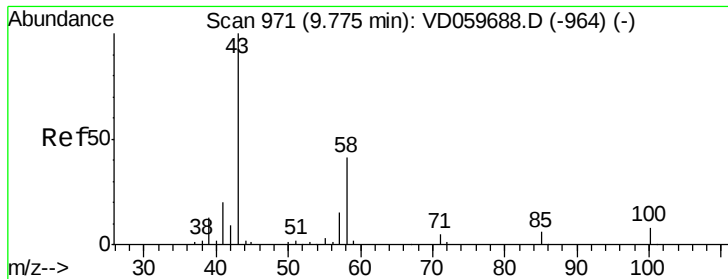
MMDadoda
 8/7/2018 2:26:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 477.68 ug/l
 RT: 8.17 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion: 63 Resp: 343262
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.7 31.1





#59

2-Hexanone

Concen: 535.86 ug/l

RT: 9.77 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 532111

Ion Ratio Lower Upper

43 100

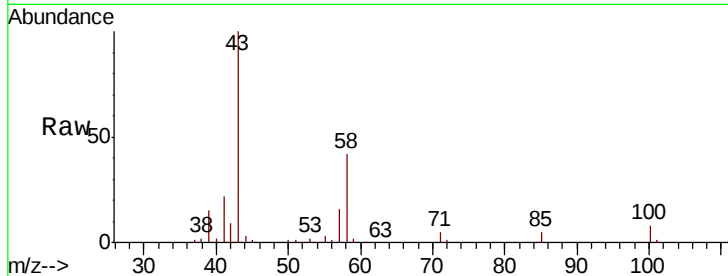
58 42.1 20.4 61.3

Manual Integrations

APPROVED

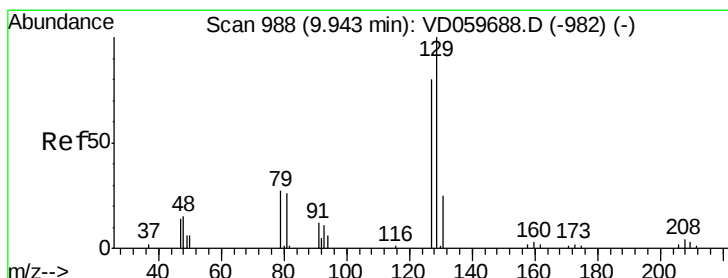
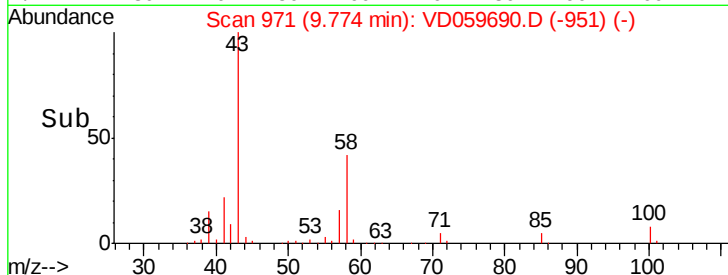
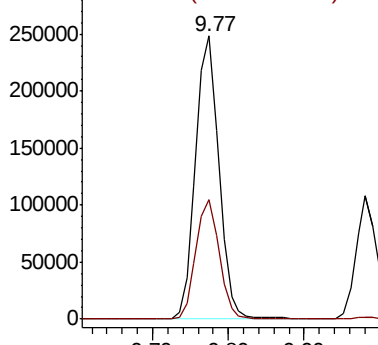
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 102.93 ug/l

RT: 9.94 min Scan# 988

Delta R.T. -0.00 min

Lab File: VD059690.D

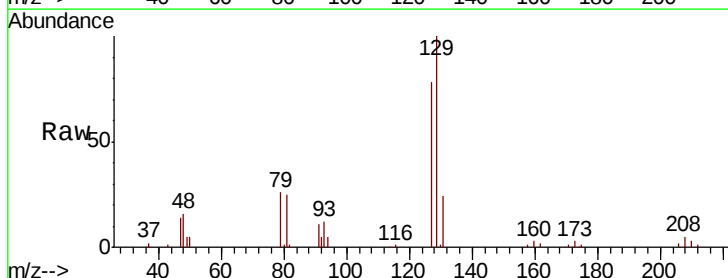
Acq: 6 Aug 2018 13:02

Tgt Ion: 129 Resp: 225407

Ion Ratio Lower Upper

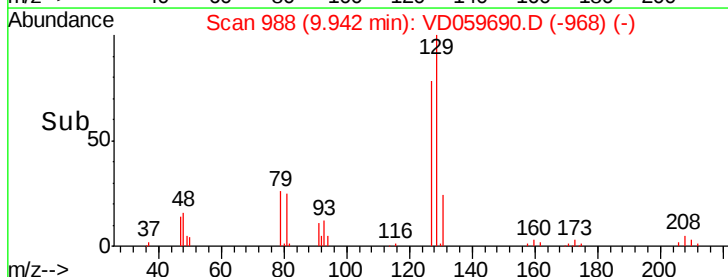
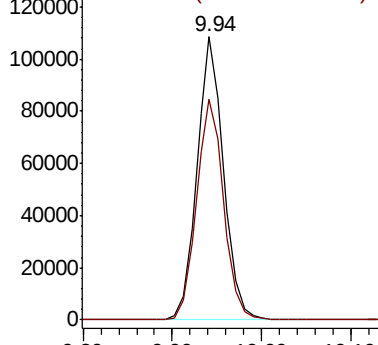
129 100

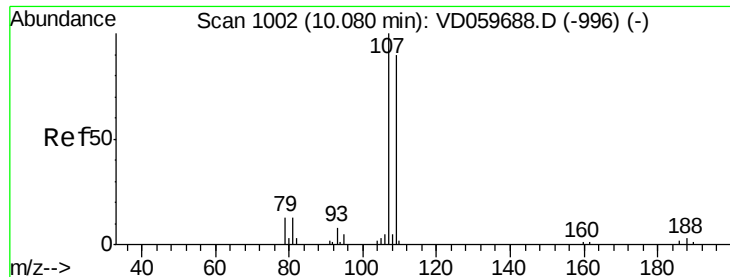
127 77.8 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 98.12 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 155635

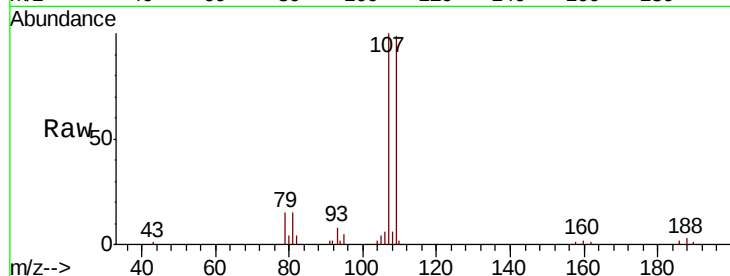
Ion Ratio Lower Upper

107 100

109 98.6 72.0 108.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

80000

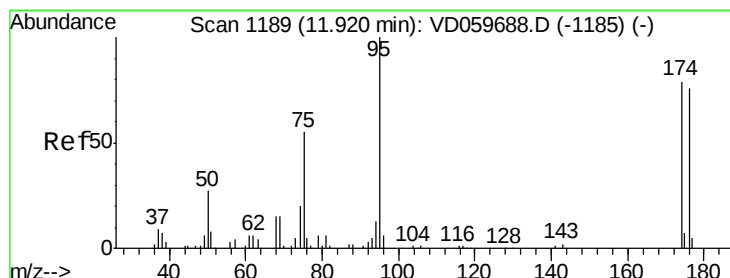
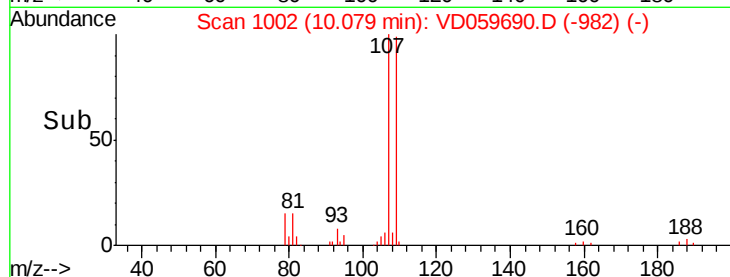
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 98.12 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

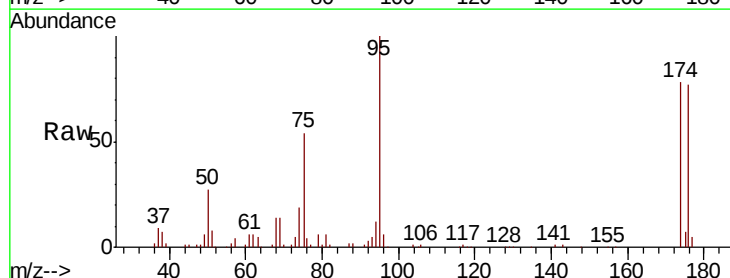
Tgt Ion: 95 Resp: 224489

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.4

176 76.7 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

200000

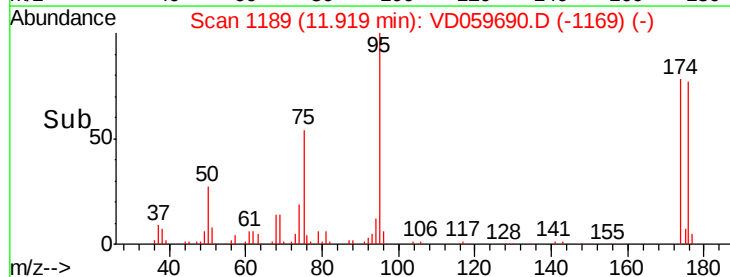
150000

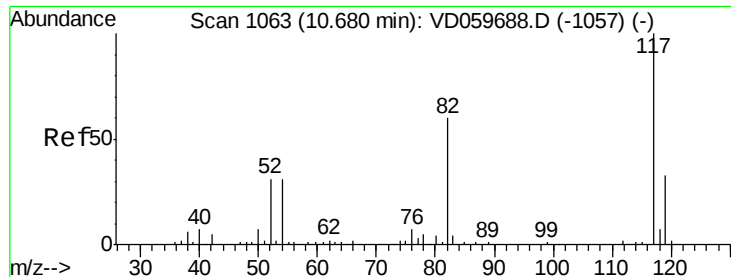
100000

50000

0

Time-->





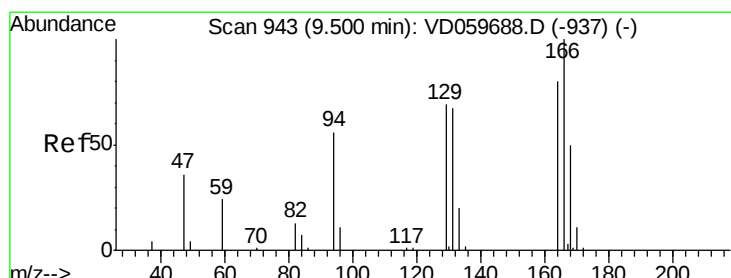
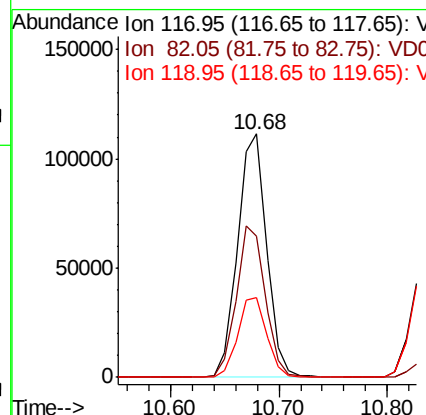
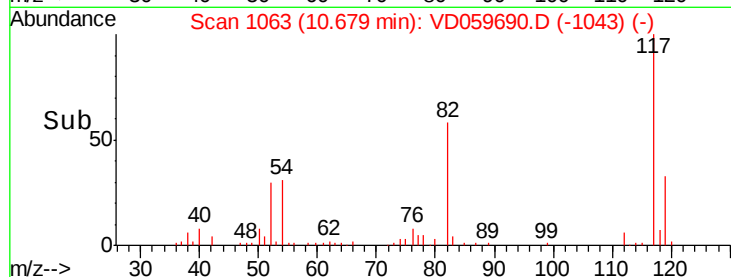
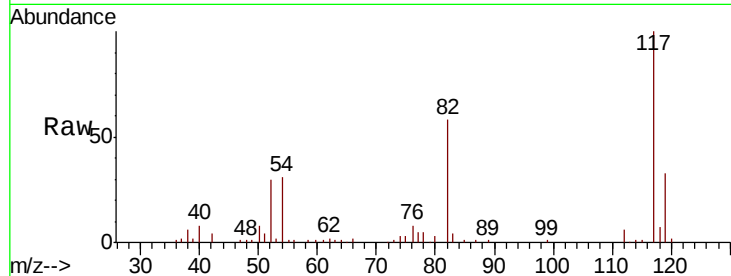
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.7	71.5
119	32.9	26.6	40.0

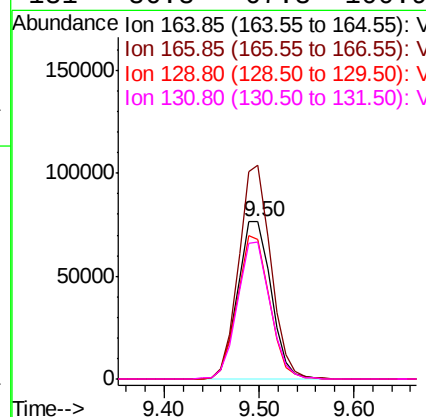
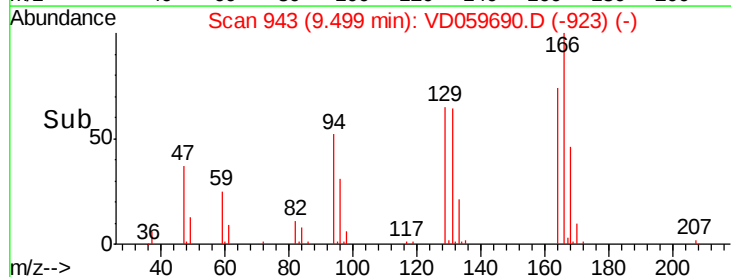
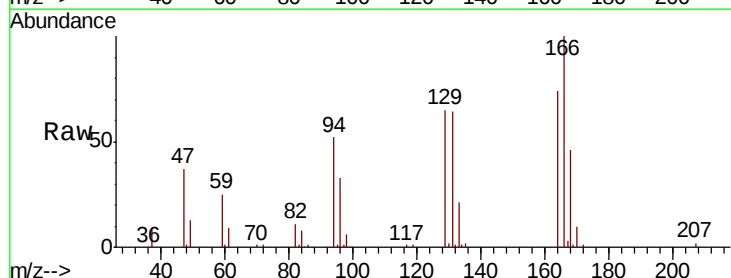
Manual Integrations
APPROVED

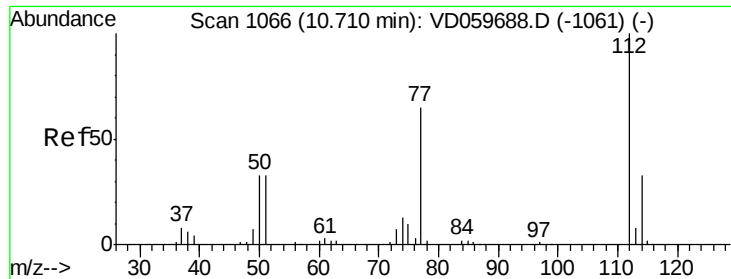
MMDadoda
8/7/2018 2:26:31 PM



#64
Tetrachloroethene
Concen: 97.09 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.8	100.5	150.7
129	88.5	69.3	103.9
131	86.8	67.3	100.9





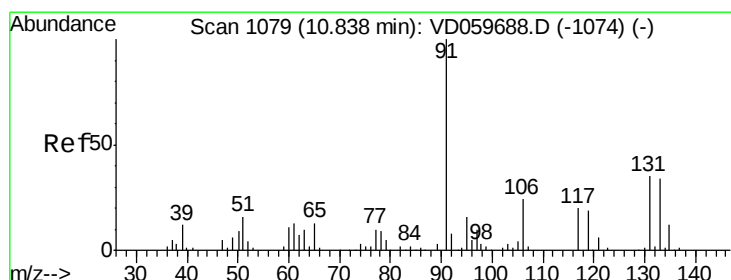
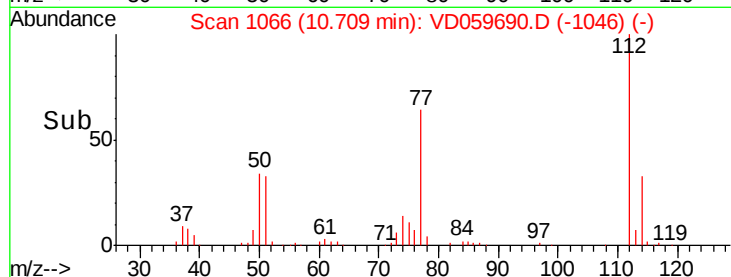
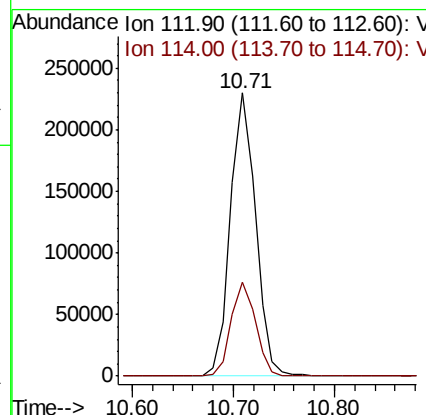
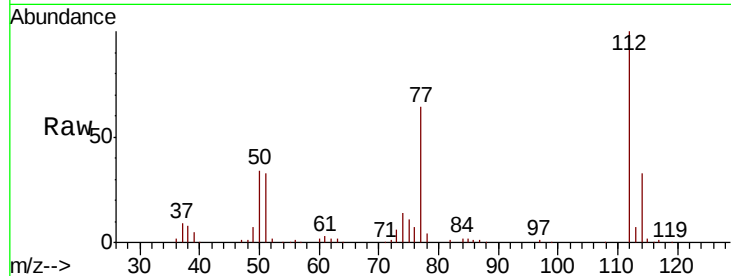
#65
Chlorobenzene
Concen: 94.72 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 398392
Ion Ratio Lower Upper
112 100
114 33.0 26.1 39.1

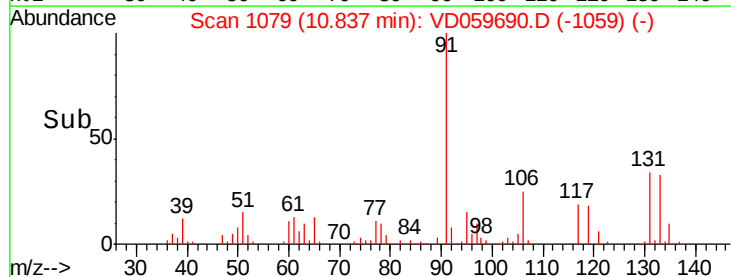
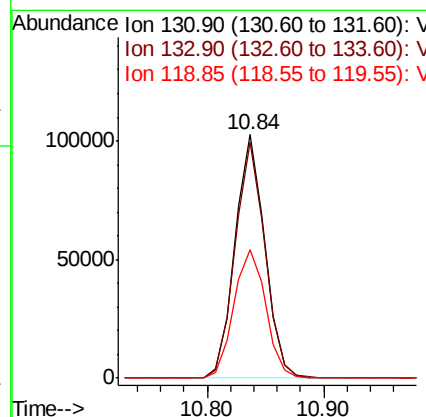
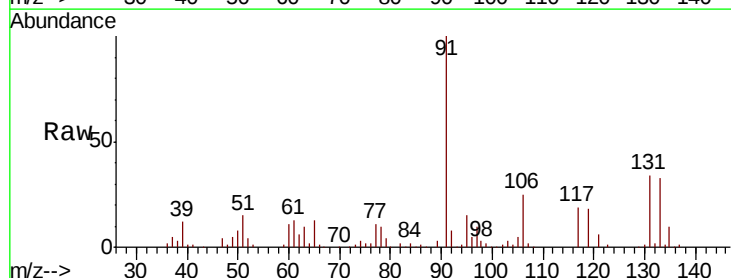
Manual Integrations
APPROVED

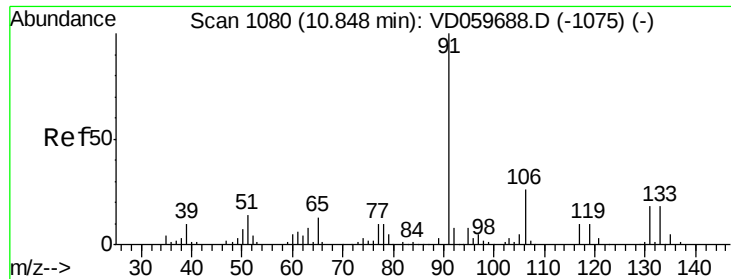
MMDadoda
8/7/2018 2:26:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 95.86 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion:131 Resp: 181232
Ion Ratio Lower Upper
131 100
133 96.7 49.7 149.1
119 52.7 27.0 80.8





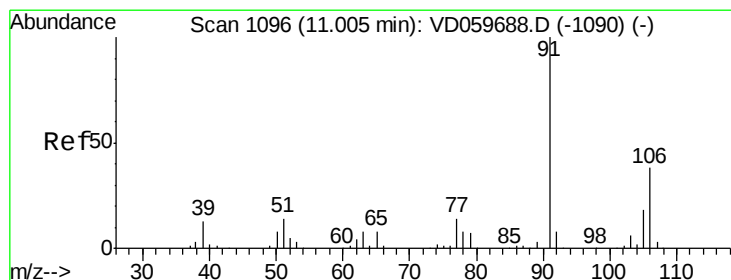
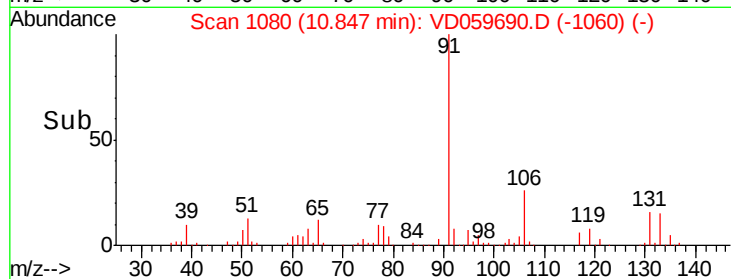
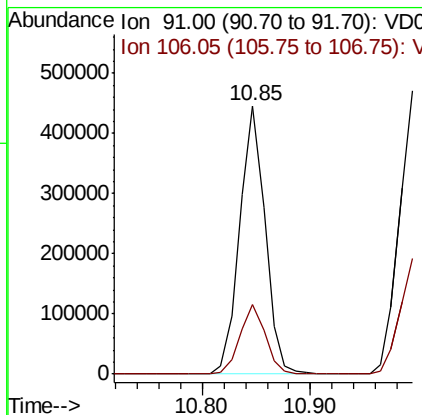
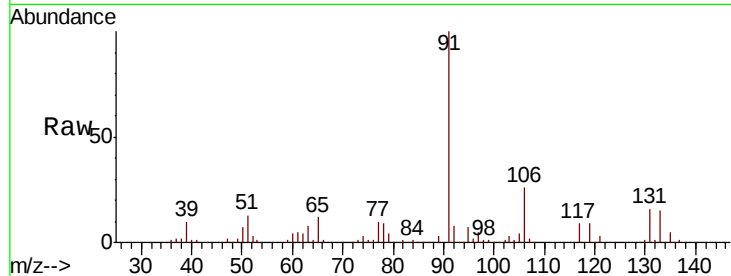
#67
Ethyl Benzene
Concen: 93.56 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 727407
Ion Ratio Lower Upper
91 100
106 26.0 20.9 31.3

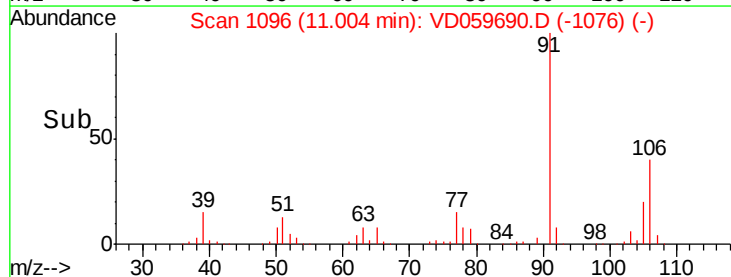
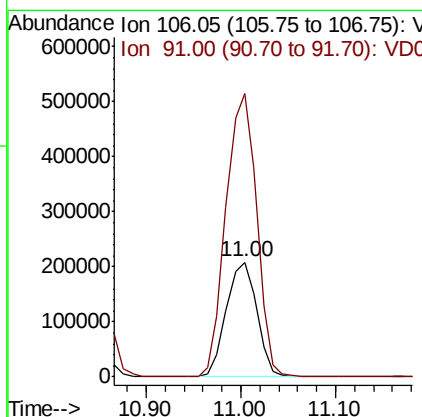
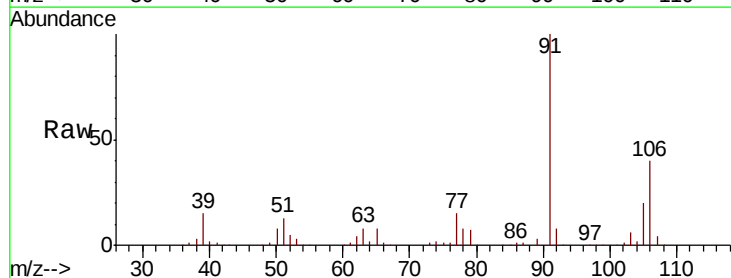
Manual Integrations
APPROVED

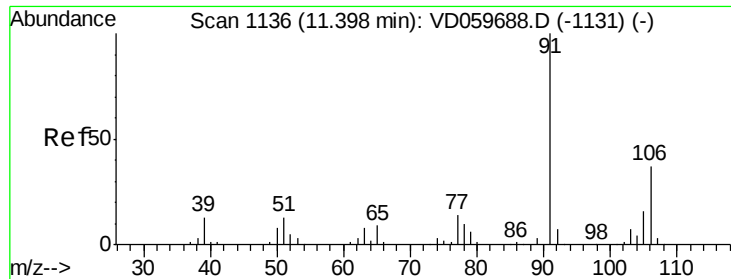
MMDadoda
8/7/2018 2:26:31 PM



#68
m/p-Xylenes
Concen: 189.22 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion: 106 Resp: 466821
Ion Ratio Lower Upper
106 100
91 246.9 209.7 314.5





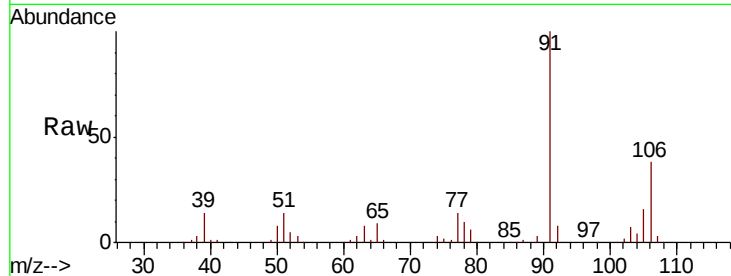
#69
o-Xylene
Concen: 89.06 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

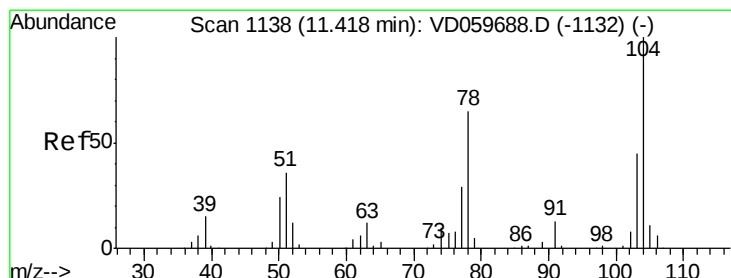
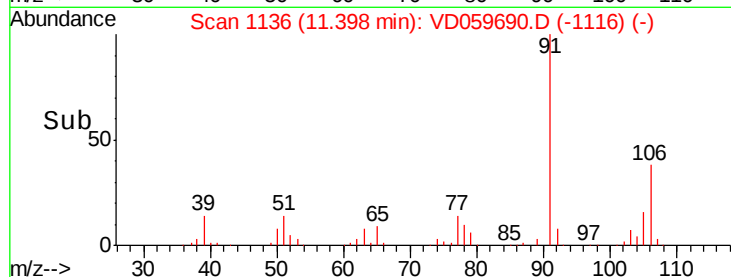
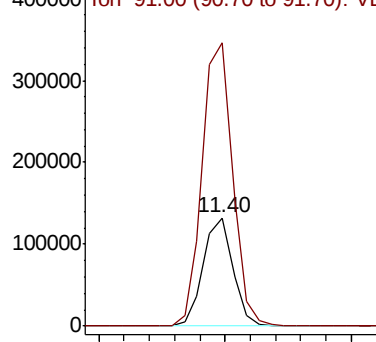
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		215432		
91	260.6	135.2	405.6		

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM

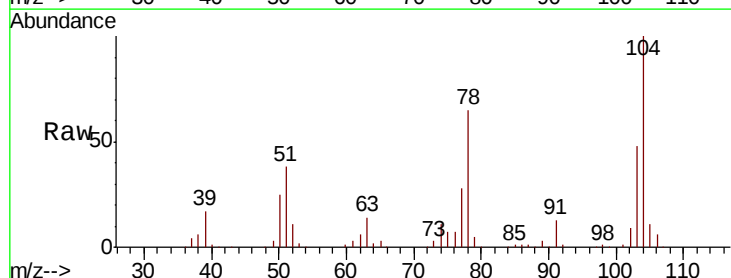


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

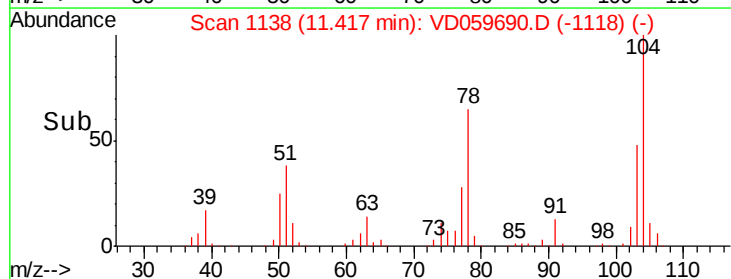
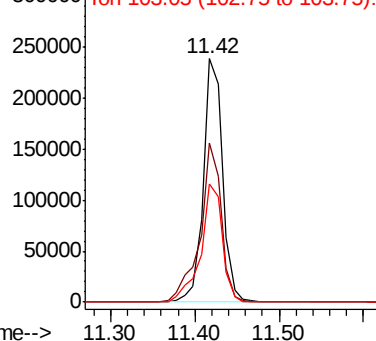


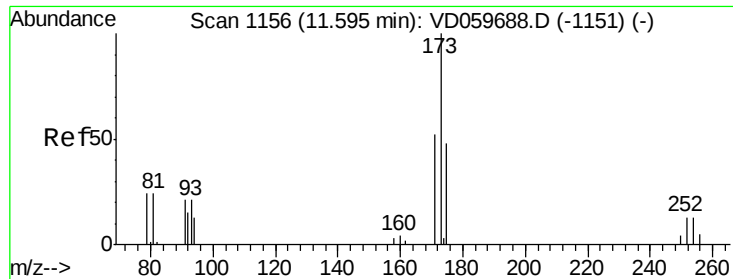
#70
Styrene
Concen: 94.11 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		376669		
78	65.1	51.9	77.9		
103	48.5	36.2	54.4		



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 112.71 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

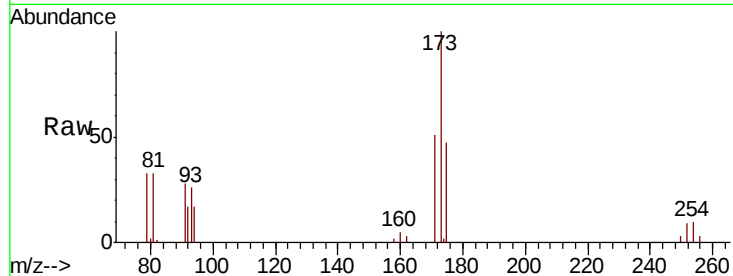
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.1	72.4
254	9.6	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM

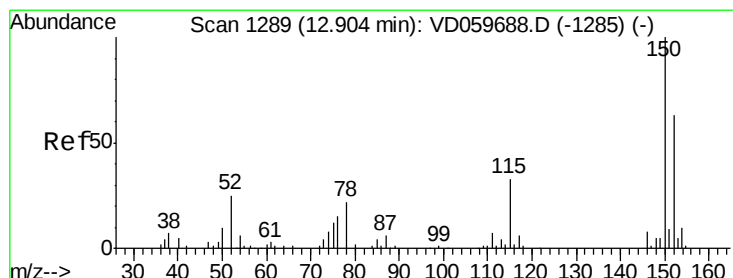
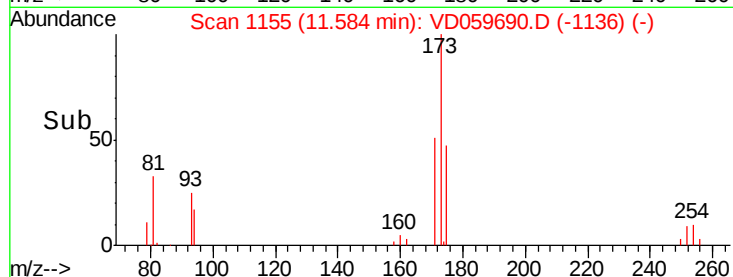
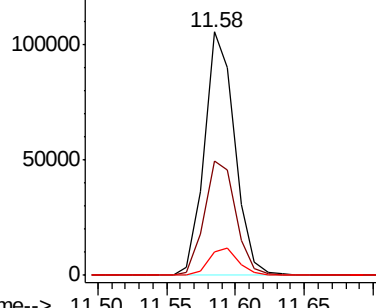


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

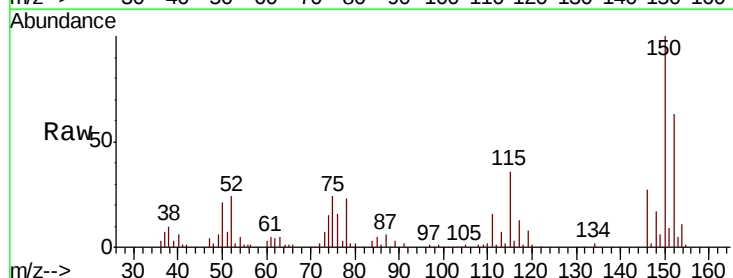
RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.8	86.4
150	157.6	0.0	318.0

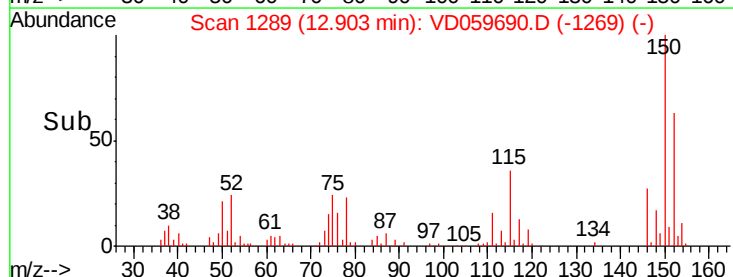
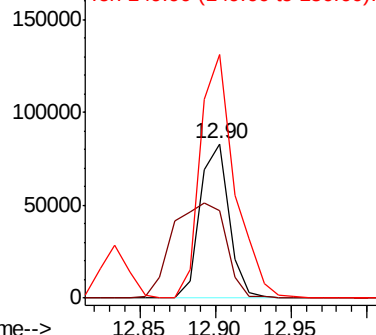


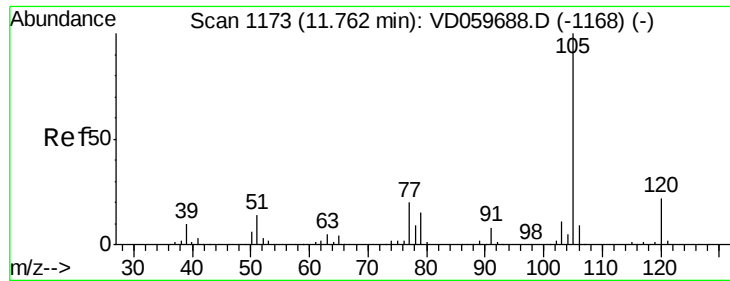
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.60 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 700267

Ion Ratio Lower Upper

105 100

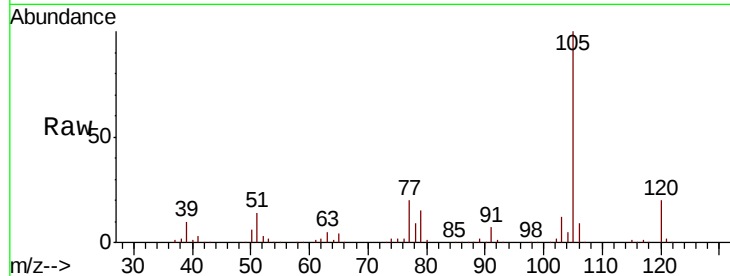
120 20.5 10.8 32.3

Manual Integrations

APPROVED

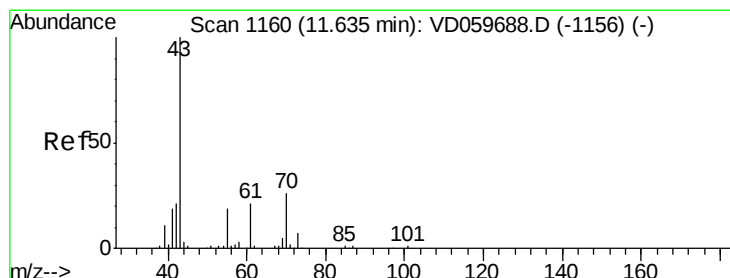
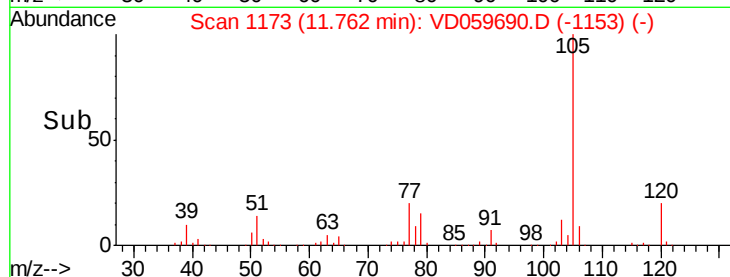
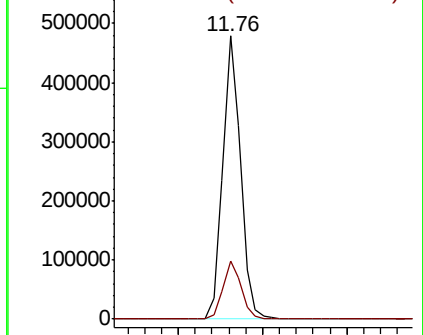
MMDadoda

8/7/2018 2:26:31 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 107.17 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion: 43 Resp: 250732

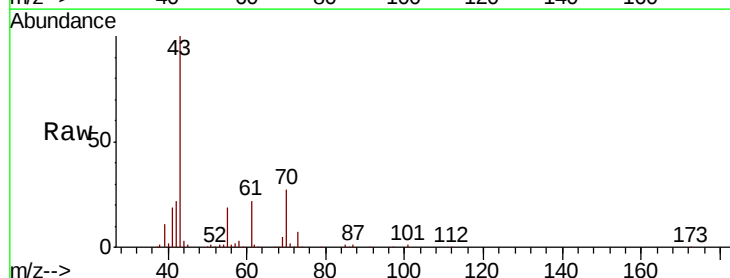
Ion Ratio Lower Upper

43 100

70 26.7 21.0 31.6

55 19.0 15.4 23.2

61 22.0 16.8 25.2

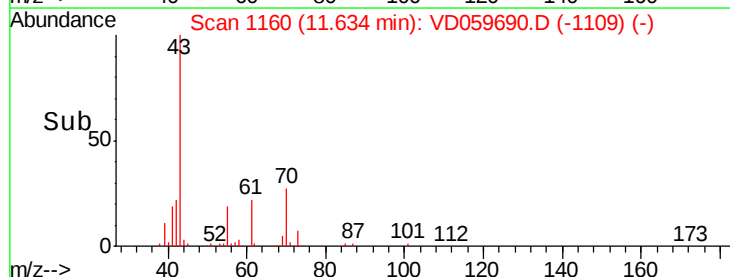
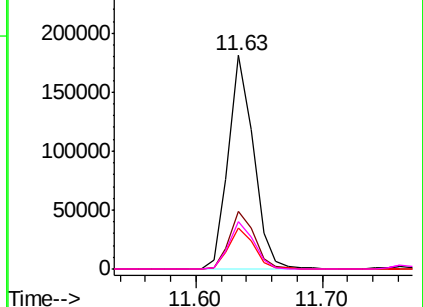


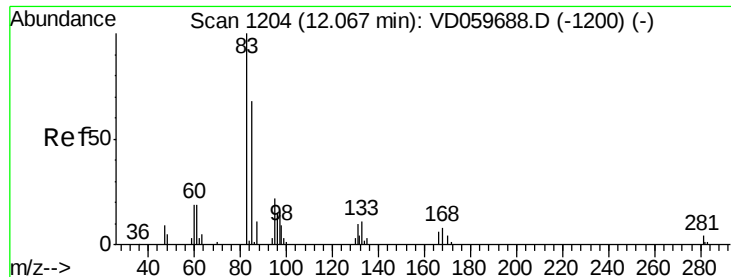
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 98.58 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

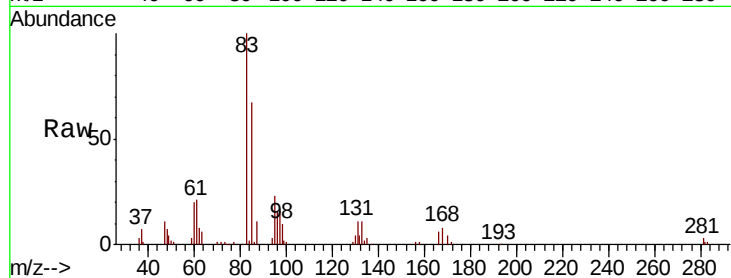
ClientSampleId :

VSTDIC100

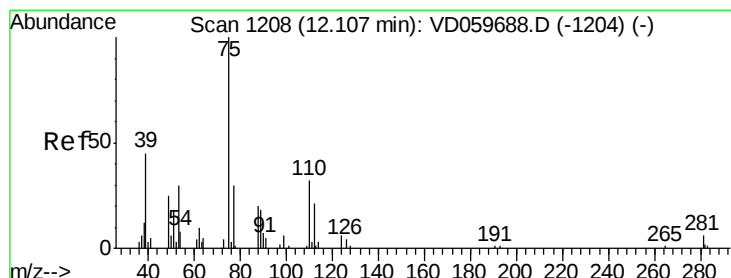
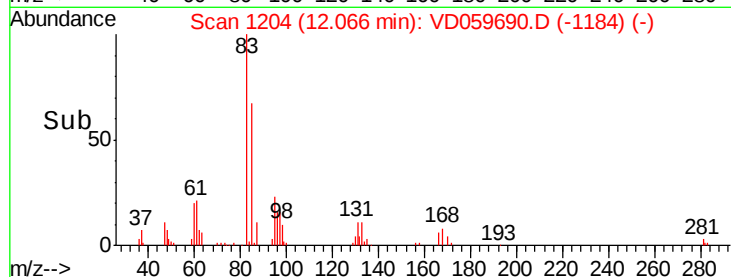
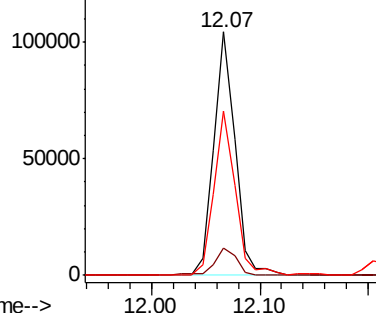
Tot Ion	Ratio	Resp	Lower	Upper
83	100	143445		
131	11.2	5.3	15.9	
85	67.5	34.1	102.2	

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 97.21 ug/l

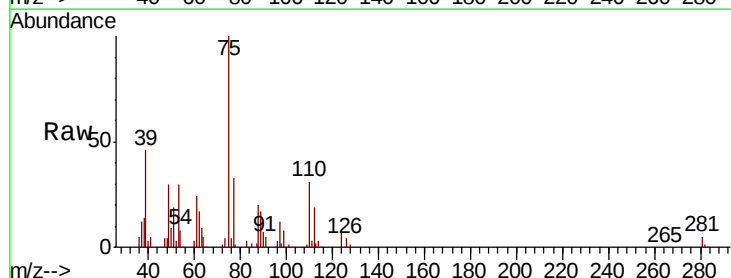
RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

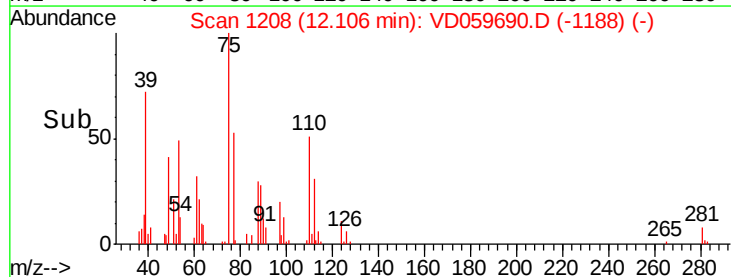
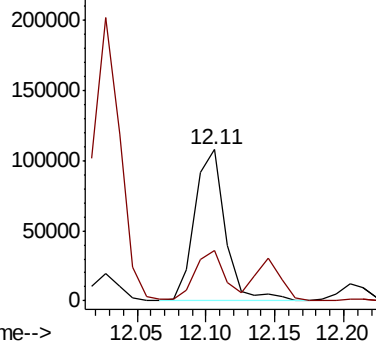
Lab File: VD059690.D

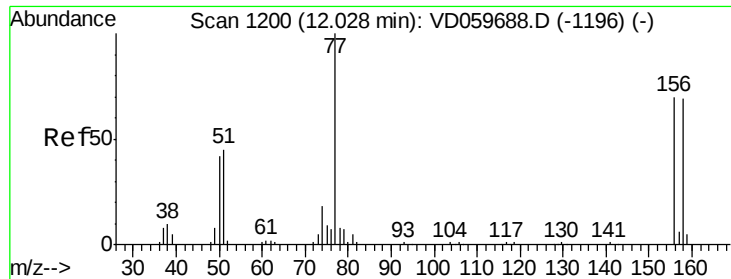
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166676		
77	33.2	15.5	46.5	



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 94.66 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 203175

Ion Ratio Lower Upper

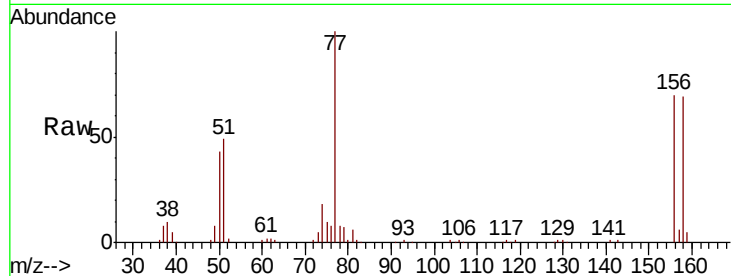
156 100

77 143.3 71.2 213.6

158 98.8 49.1 147.3

Manual Integrations
APPROVED

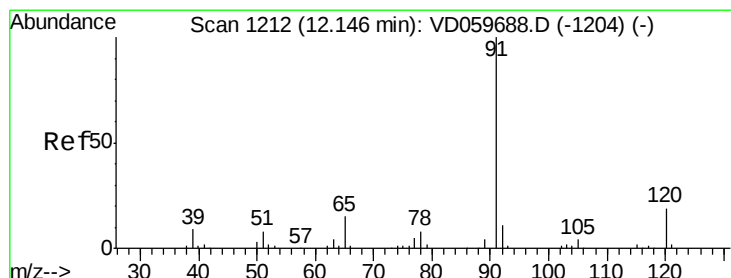
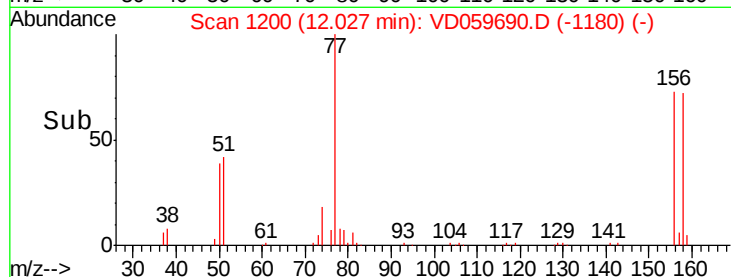
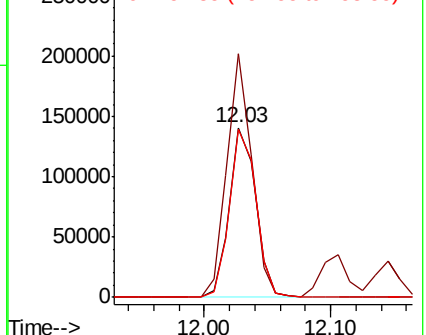
MMDadoda
8/7/2018 2:26:31 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 92.56 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059690.D

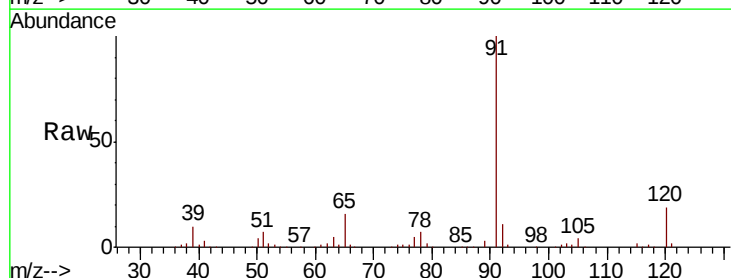
Acq: 6 Aug 2018 13:02

Tgt Ion: 91 Resp: 856509

Ion Ratio Lower Upper

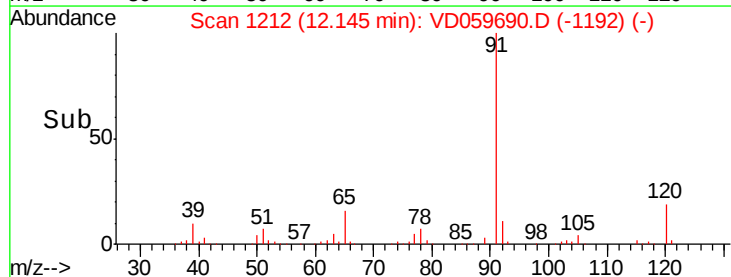
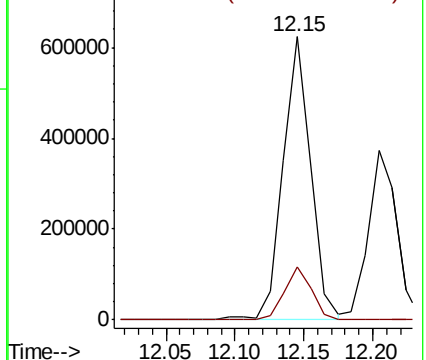
91 100

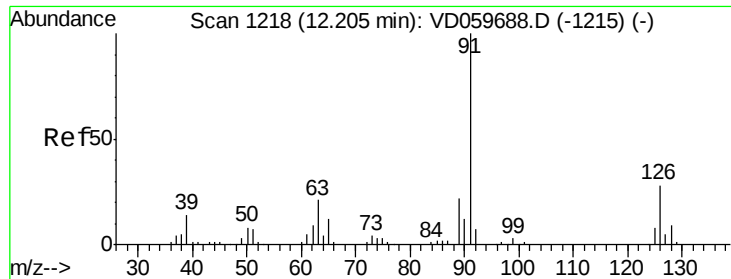
120 18.9 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





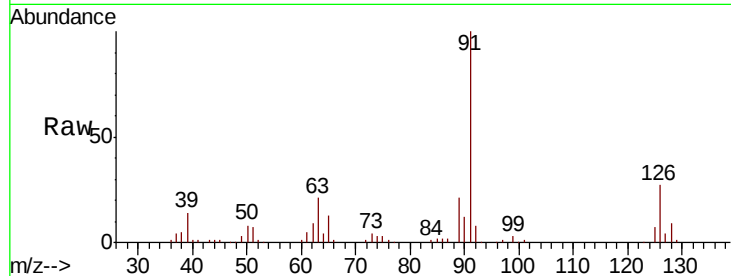
#79
2-Chlorotoluene
Concen: 95.07 ug/l
RT: 12.20 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

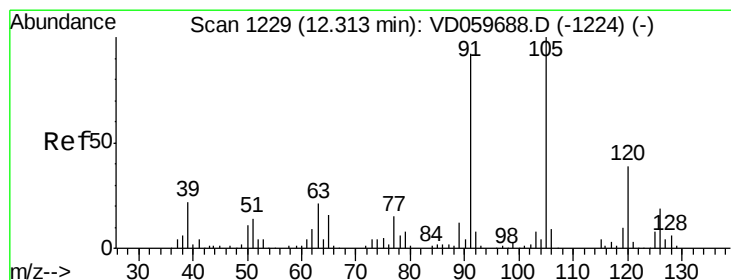
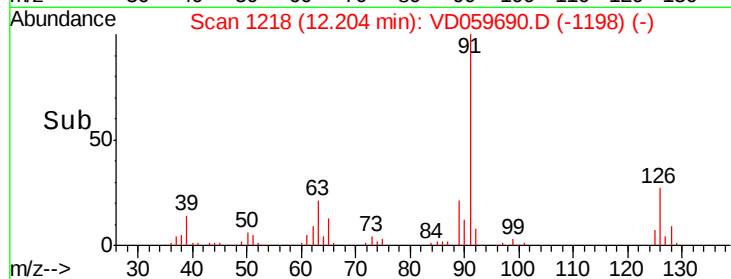
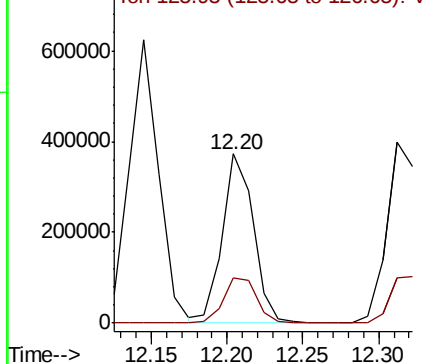
Tot Ion: 91 Resp: 529970
Ion Ratio Lower Upper
91 100
126 26.7 13.7 41.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM

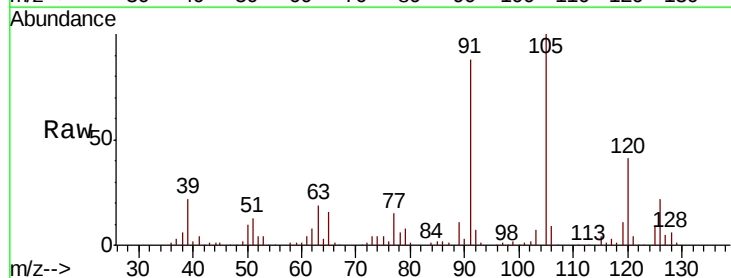


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

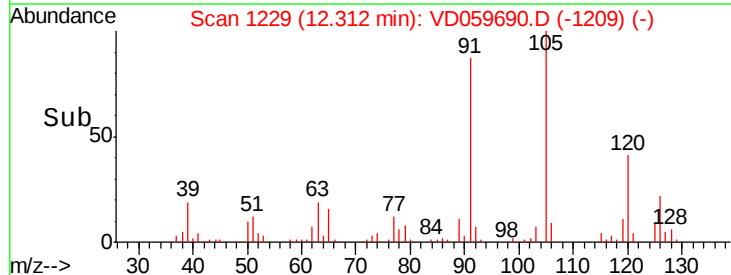
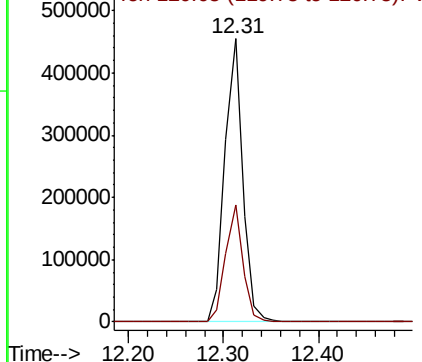


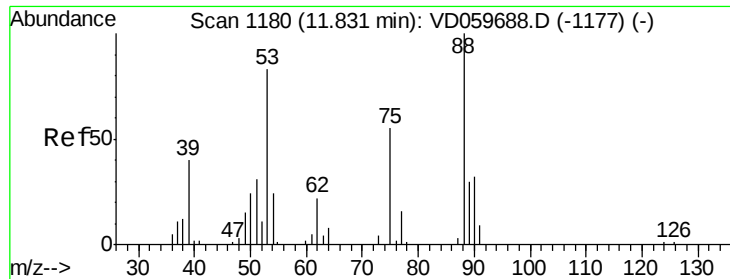
#80
1,3,5-Trimethylbenzene
Concen: 97.14 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion: 105 Resp: 597364
Ion Ratio Lower Upper
105 100
120 41.3 19.7 59.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





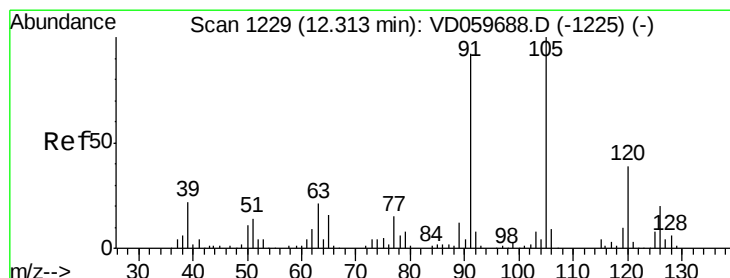
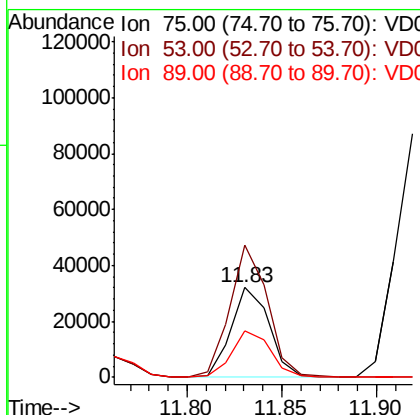
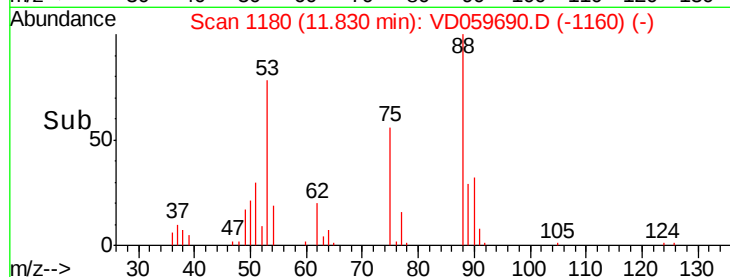
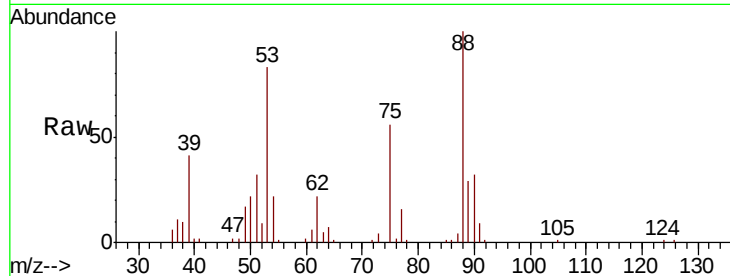
#81
trans-1,4-Dichloro-2-butene
Concen: 104.52 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	147.6	120.5	180.7
89	52.0	44.4	66.6

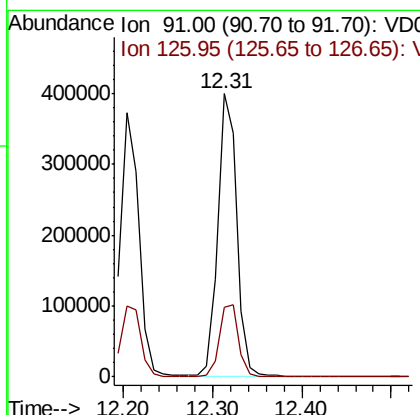
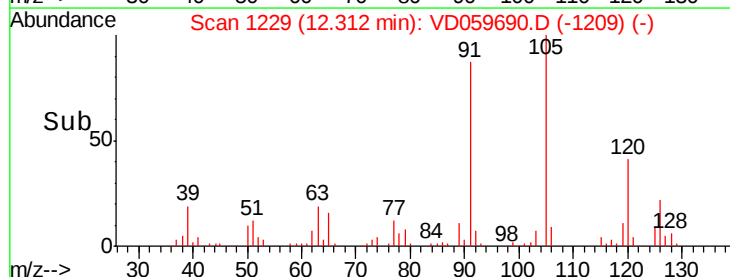
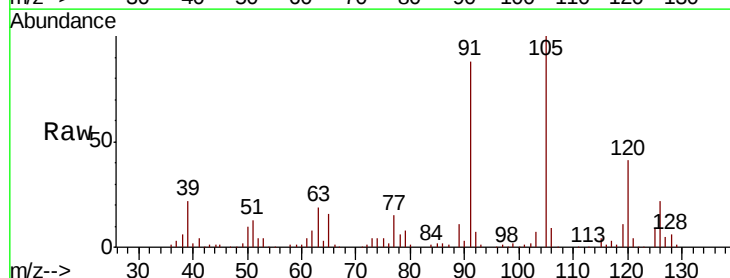
Manual Integrations
APPROVED

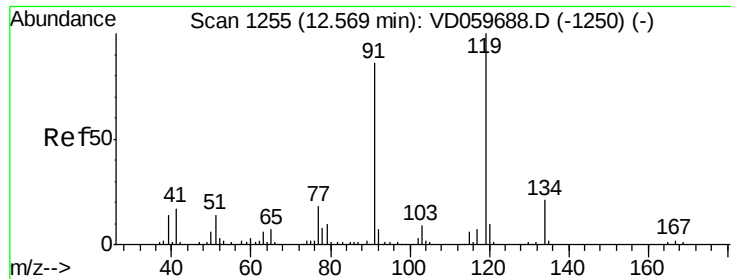
MMDadoda
8/7/2018 2:26:31 PM



#82
4-Chlorotoluene
Concen: 91.29 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.7	10.7	31.9





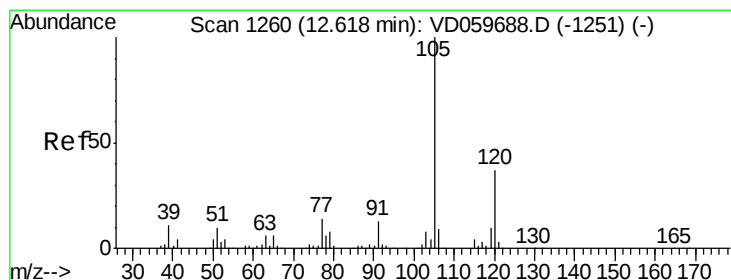
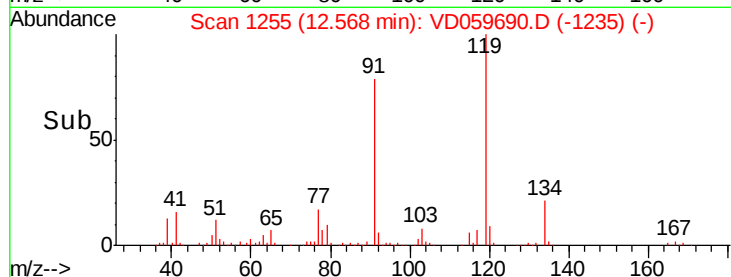
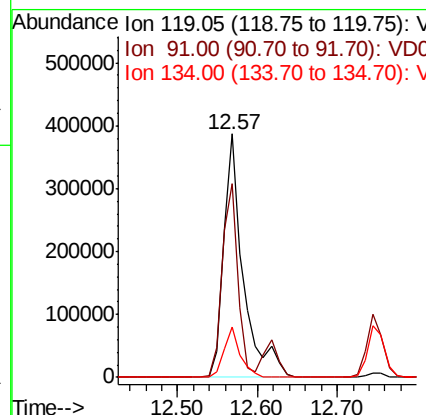
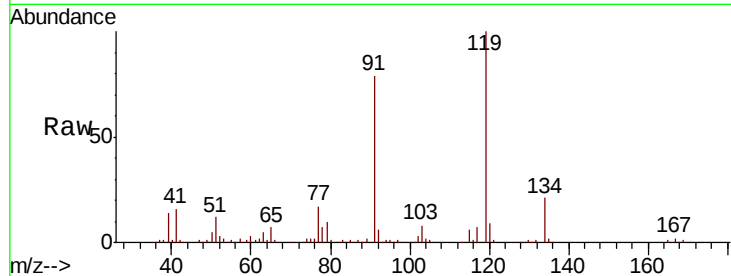
#83
 tert-Butylbenzene
 Concen: 95.89 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.4	43.3	129.9
134	20.7	10.5	31.6

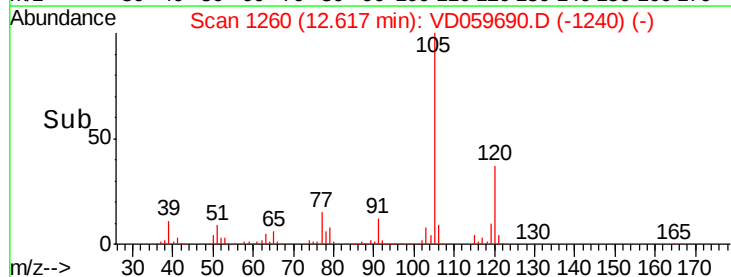
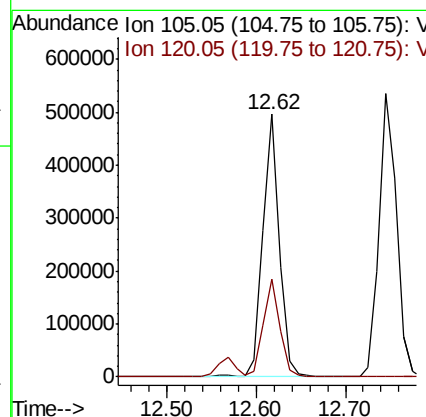
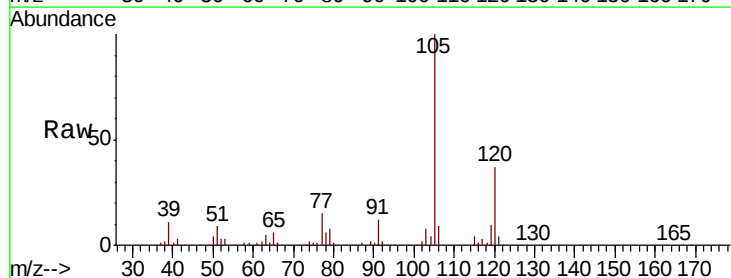
Manual Integrations
 APPROVED

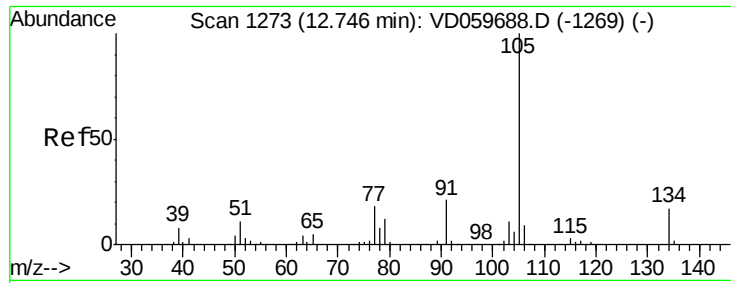
MMDadoda
 8/7/2018 2:26:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 96.48 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.2	18.7	56.1





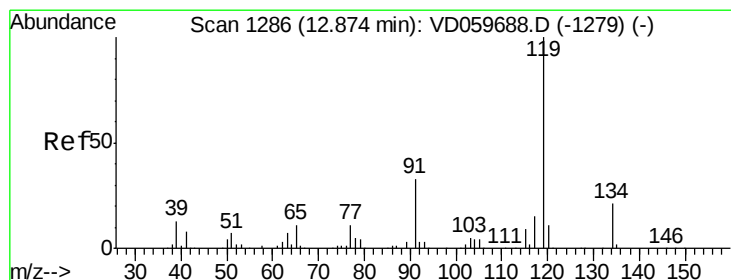
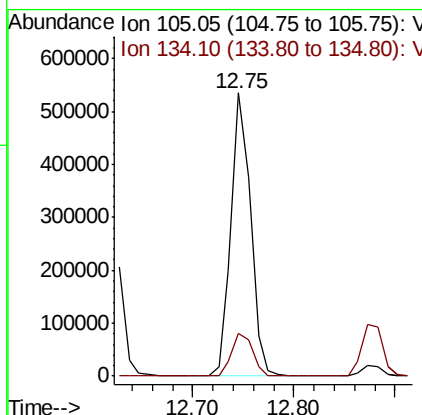
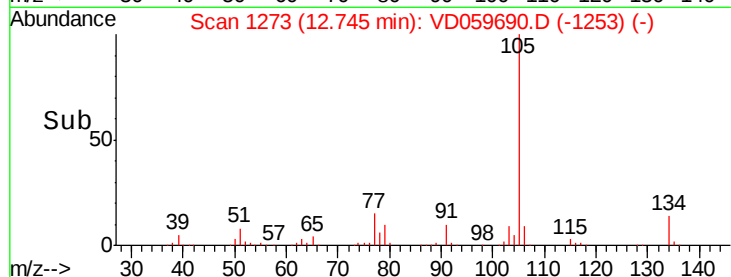
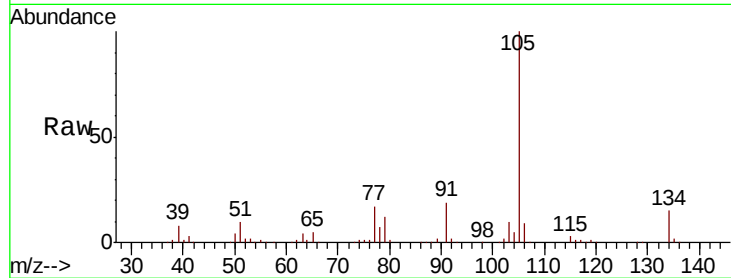
#85
 sec-Butylbenzene
 Concen: 93.74 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	15.2	8.3	24.9

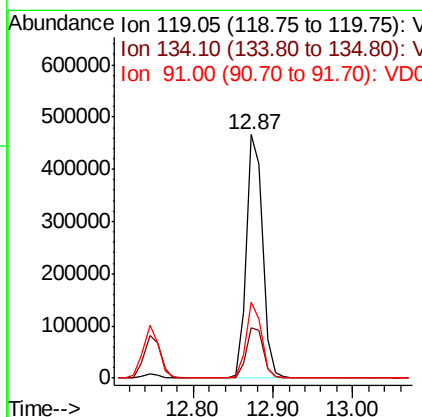
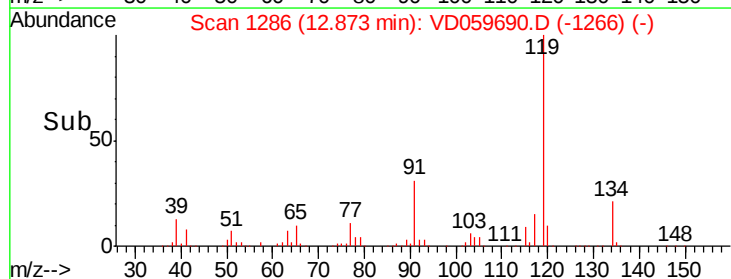
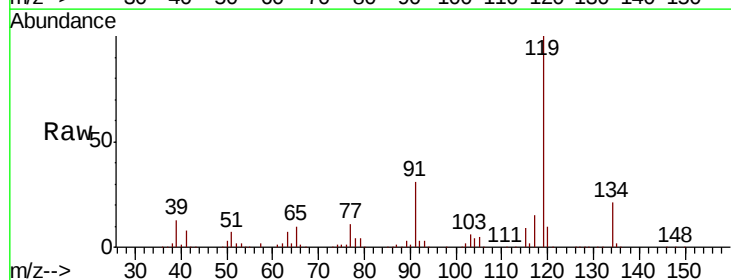
Manual Integrations
 APPROVED

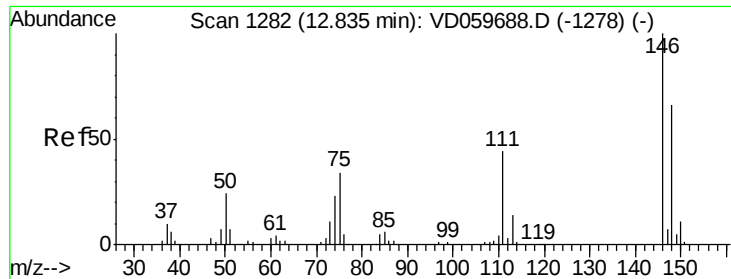
MMDadoda
 8/7/2018 2:26:31 PM



#86
 p-Isopropyltoluene
 Concen: 98.10 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	20.9	10.7	32.1
91	31.2	16.6	49.7





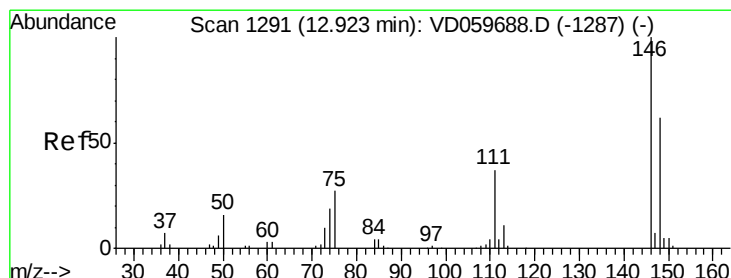
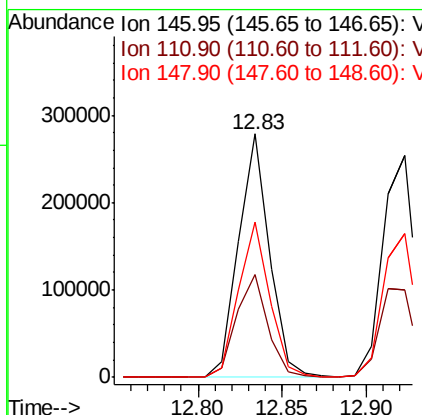
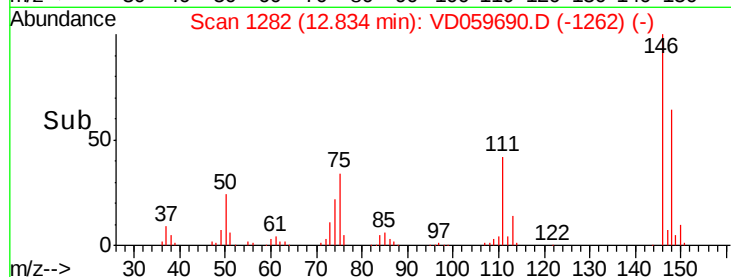
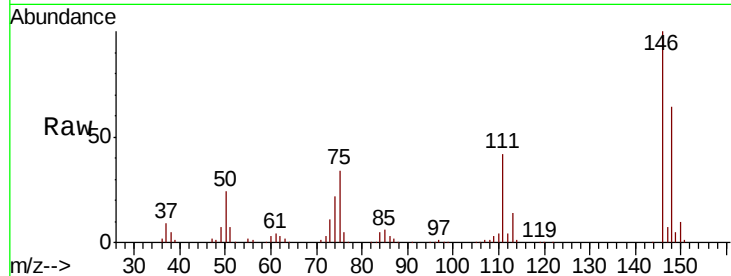
#87
 1,3-Dichlorobenzene
 Concen: 94.44 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.4
148	63.6	33.1	99.2

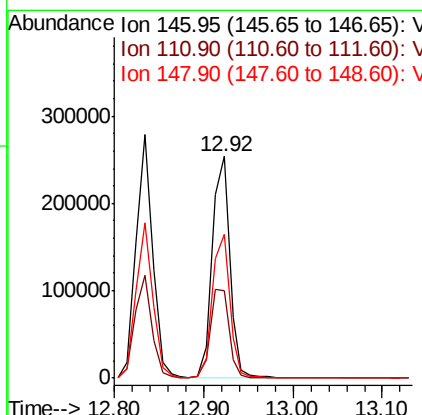
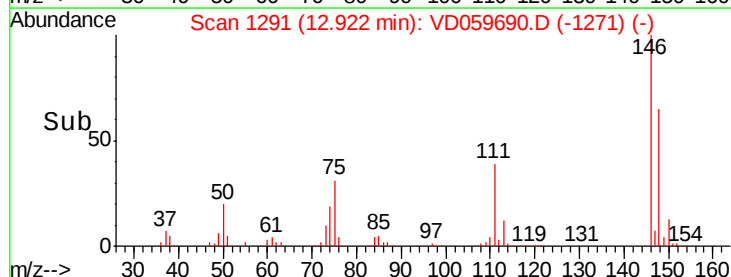
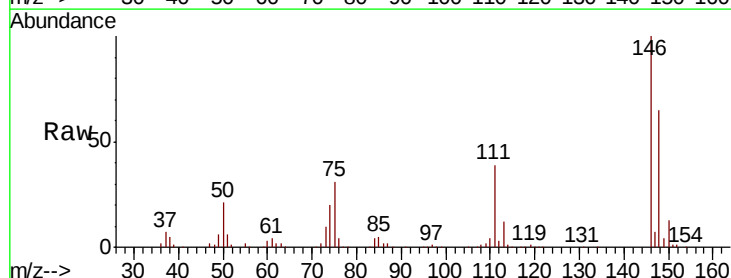
Manual Integrations
 APPROVED

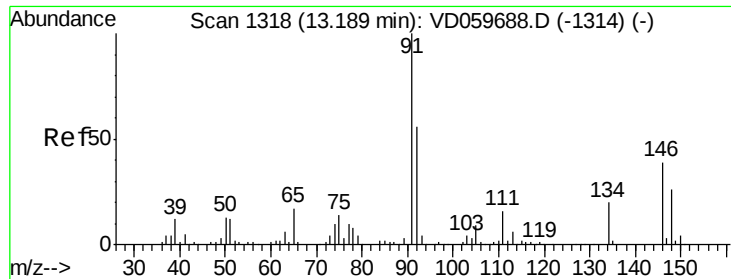
MMDadoda
 8/7/2018 2:26:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 91.47 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.6	55.8
148	65.1	31.2	93.6





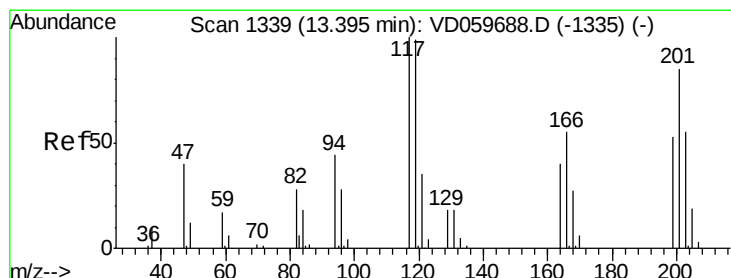
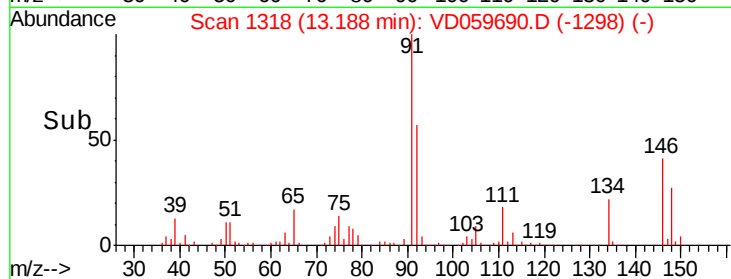
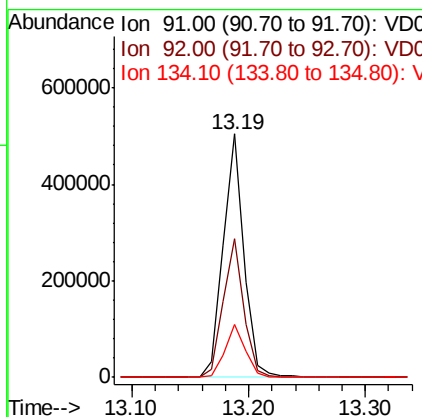
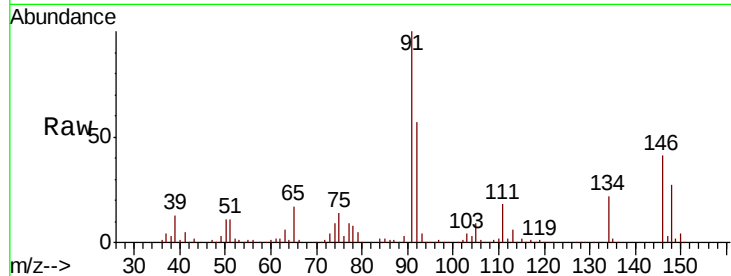
#89
n-Butylbenzene
Concen: 94.68 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.1	28.2	84.6
134	21.7	9.8	29.5

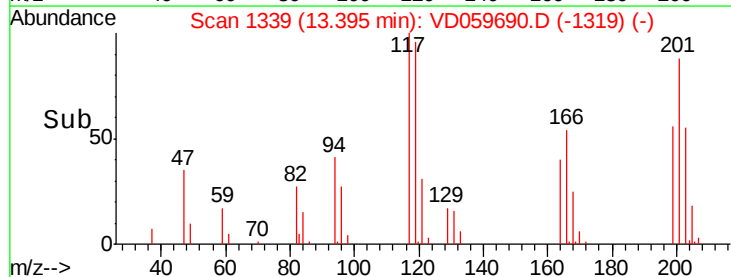
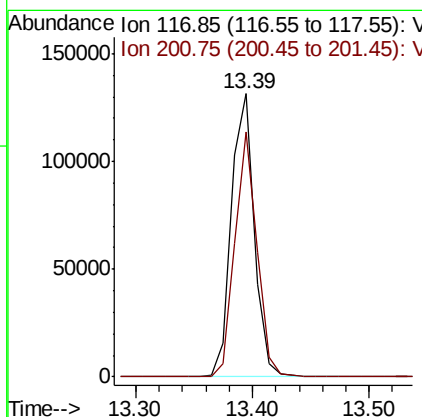
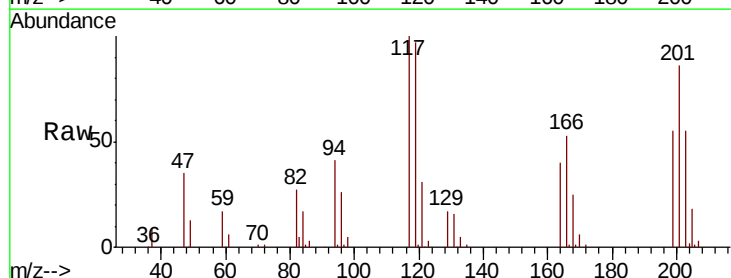
Manual Integrations
APPROVED

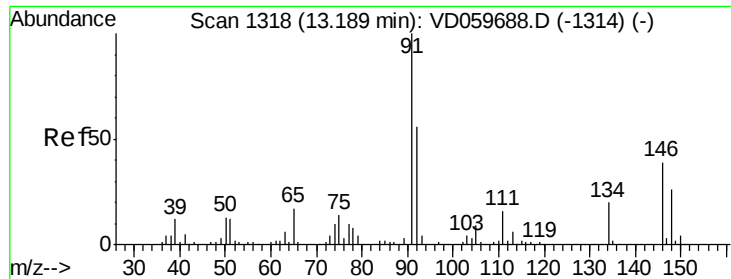
MMDadoda
8/7/2018 2:26:31 PM



#90
Hexachloroethane
Concen: 103.09 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059690.D
Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	42.4	127.1





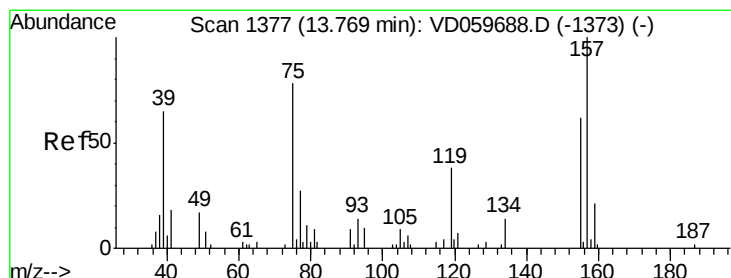
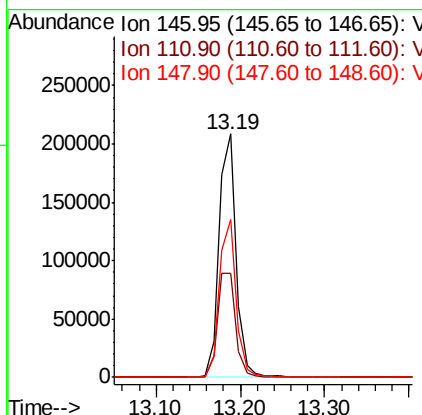
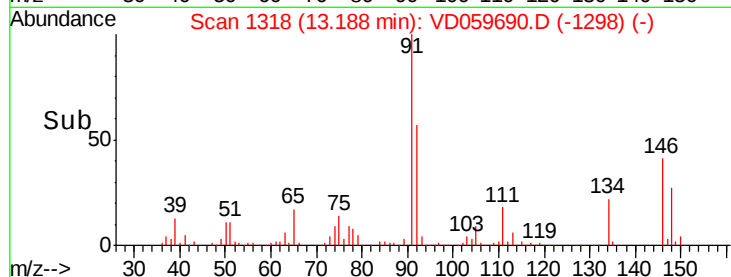
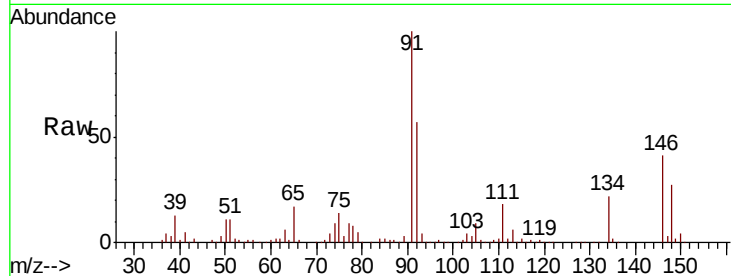
#91
 1,2-Dichlorobenzene
 Concen: 94.30 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.2
148	65.1	33.4	100.2

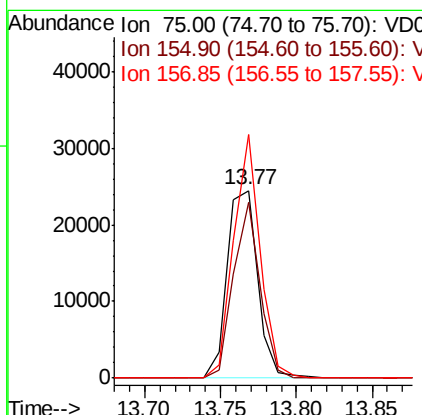
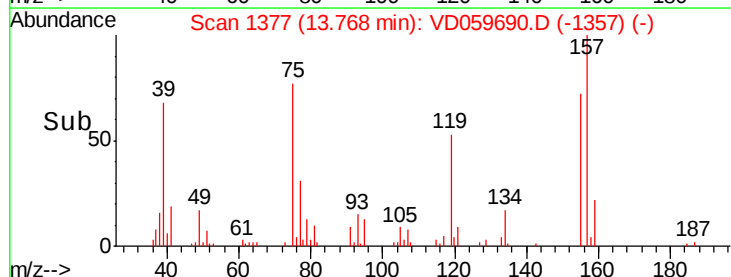
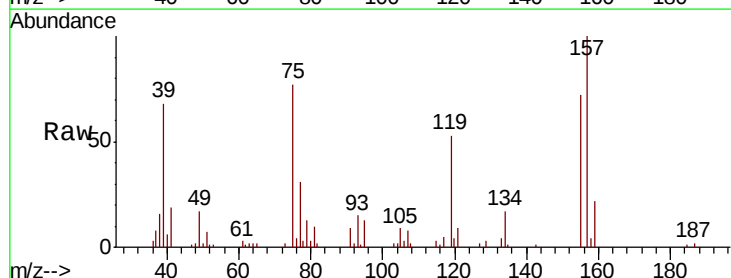
Manual Integrations
 APPROVED

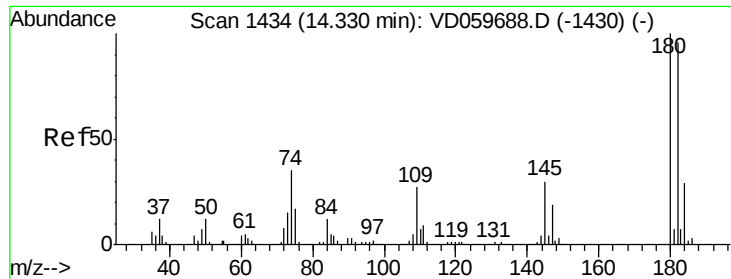
MMDadoda
 8/7/2018 2:26:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.49 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	40.0	119.9
157	129.6	64.3	192.7





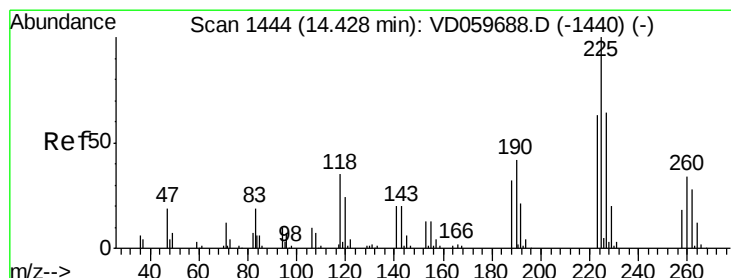
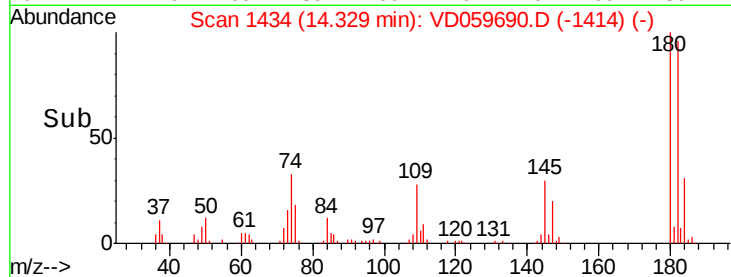
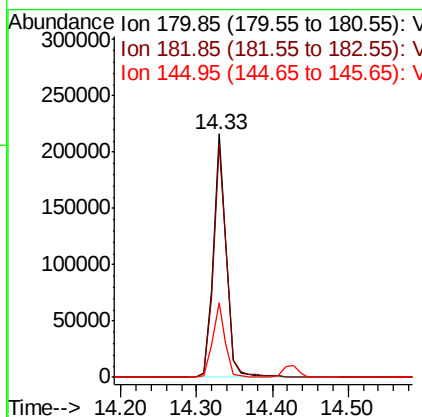
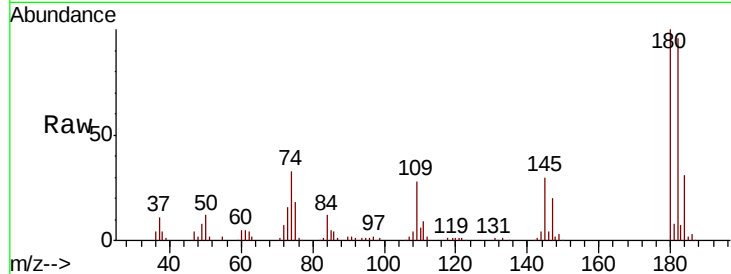
#93
 1,2,4-Trichlorobenzene
 Concen: 95.41 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265744		
182	95.6	48.0	144.0	
145	30.4	14.8	44.4	

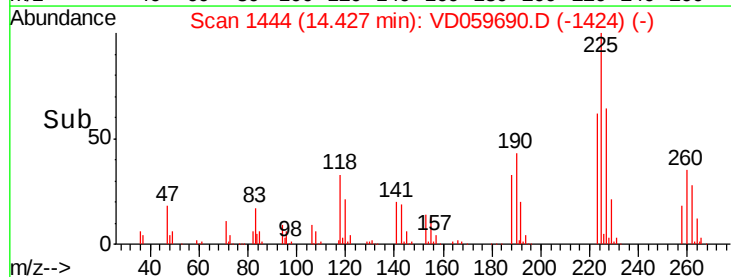
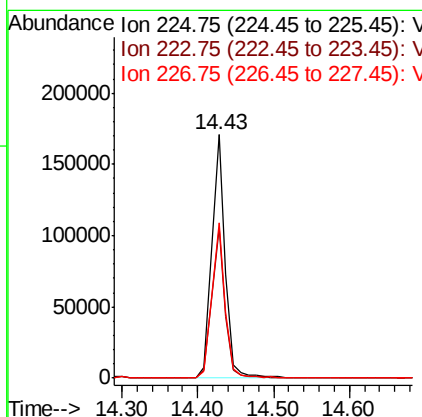
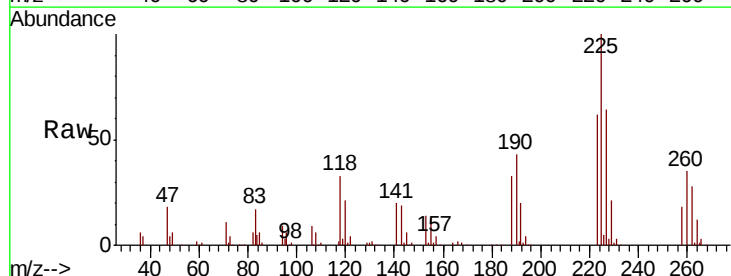
Manual Integrations
 APPROVED

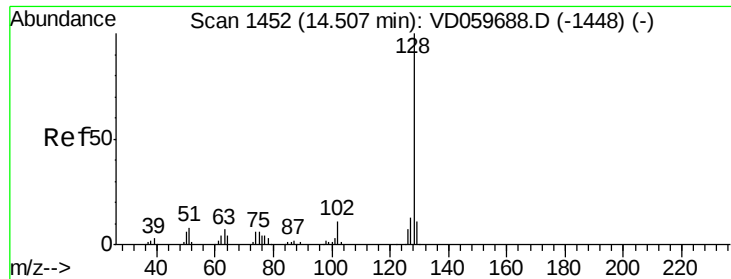
MMDadoda
 8/7/2018 2:26:31 PM



#94
 Hexachlorobutadiene
 Concen: 99.34 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059690.D
 Acq: 6 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215926		
223	61.9	31.4	94.3	
227	63.7	32.1	96.3	





#95

Naphthalene

Concen: 97.53 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Instrument :

MSVOA_D

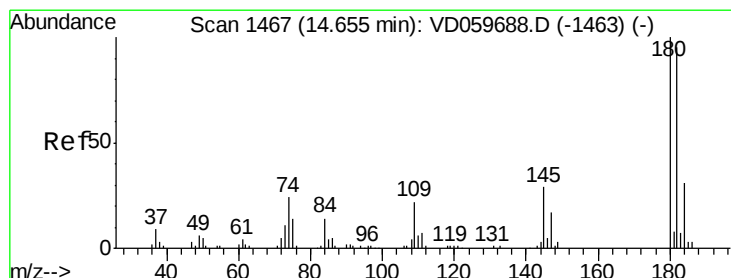
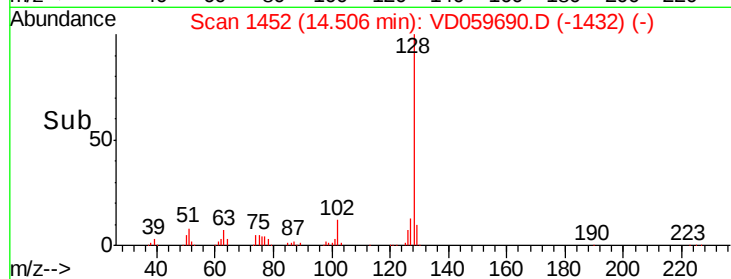
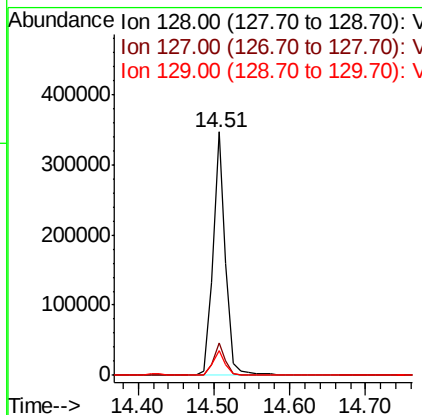
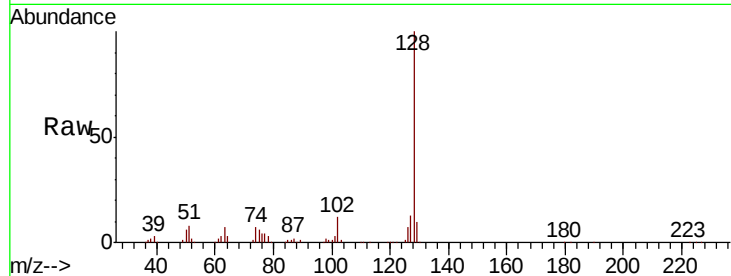
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	406471
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 2:26:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 95.61 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059690.D

Acq: 6 Aug 2018 13:02

Tgt Ion:	180	Resp:	237944
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.5	142.5
145	30.1	14.5	43.5

