

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101618\
 Data File : VX005376.D
 Acq On : 16 Oct 2018 18:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:35:02 AM

Quant Time: Oct 17 07:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134564	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	5.50	113	111902	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	8.72	98	421679	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.14	95	158181	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99602	49.893	ug/l	98
3) Chloromethane	1.32	50	133695	46.219	ug/l	99
4) Vinyl Chloride	1.40	62	140674	48.007	ug/l	99
5) Bromomethane	1.64	94	78773	47.626	ug/l	97
6) Chloroethane	1.71	64	86034	49.678	ug/l	98
7) Trichlorofluoromethane	1.92	101	202556	51.799	ug/l	96
8) Diethyl Ether	2.19	74	82023	49.120	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117746	52.169	ug/l	96
10) Methyl Iodide	2.51	142	141467	56.807	ug/l	99
11) Tert butyl alcohol	3.07	59	203648	254.769	ug/l	100
12) 1,1-Dichloroethene	2.37	96	114861	51.364	ug/l	94
13) Acrolein	2.29	56	101579	198.700	ug/l	96
14) Allyl chloride	2.73	41	240612	49.008	ug/l	96
15) Acrylonitrile	3.15	53	441765	243.884	ug/l	98
16) Acetone	2.45	43	397099	242.368	ug/l	95
17) Carbon Disulfide	2.57	76	311912	46.044	ug/l	99
18) Methyl Acetate	2.78	43	237028	50.851	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	405469	51.483	ug/l	98
20) Methylene Chloride	2.85	84	126990	53.280	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	118160	47.680	ug/l	97
22) Diisopropyl ether	3.87	45	394374	47.824	ug/l	97
23) Vinyl Acetate	3.82	43	1720151	238.657	ug/l	97
24) 1,1-Dichloroethane	3.70	63	236938	50.134	ug/l	98
25) 2-Butanone	4.70	43	575443	240.049	ug/l	94
26) 2,2-Dichloropropane	4.59	77	168736	47.738	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	126974	47.145	ug/l	96
28) Bromochloromethane	5.02	49	108376	50.302	ug/l	94
29) Tetrahydrofuran	5.15	42	367217	240.152	ug/l	94
30) Chloroform	5.21	83	215495	49.125	ug/l	100
31) Cyclohexane	5.57	56	189530	48.656	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	189619	49.678	ug/l	99
36) 1,1-Dichloropropene	5.80	75	160639	45.253	ug/l	99
37) Ethyl Acetate	4.85	43	206743	45.288	ug/l	99
38) Carbon Tetrachloride	5.78	117	166504	46.682	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\
 Data File : VX005376.D
 Acq On : 16 Oct 2018 18:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:35:02 AM

Quant Time: Oct 17 07:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189625	49.358	ug/l	97
40) Benzene	6.14	78	481213	45.190	ug/l	100
41) Methacrylonitrile	5.06	41	116582	47.635	ug/l	96
42) 1,2-Dichloroethane	6.20	62	171969	45.736	ug/l	97
43) Isopropyl Acetate	6.46	43	309076	50.826	ug/l	96
44) Trichloroethene	7.21	130	137245	50.483	ug/l	97
45) 1,2-Dichloropropane	7.52	63	126289	48.348	ug/l	100
46) Dibromomethane	7.66	93	83249	48.288	ug/l	97
47) Bromodichloromethane	7.90	83	162242	50.877	ug/l	100
48) Methyl methacrylate	7.77	41	160241	50.806	ug/l	95
49) 1,4-Dioxane	7.76	88	75295	1035.042	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1100555	261.374	ug/l	95
52) Toluene	8.79	92	303798	52.148	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	184187	53.371	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	198343	53.042	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127234	51.564	ug/l	98
56) Ethyl methacrylate	9.18	69	196580	54.649	ug/l	95
57) 1,3-Dichloropropane	9.37	76	211550	51.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	547735	271.511	ug/l	96
59) 2-Hexanone	9.50	43	871808	257.393	ug/l	94
60) Dibromochloromethane	9.59	129	136081	53.353	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133726	51.640	ug/l	99
64) Tetrachloroethene	9.34	164	139869	50.894	ug/l	99
65) Chlorobenzene	10.14	112	347729	47.887	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	128563	49.682	ug/l	99
67) Ethyl Benzene	10.26	91	593079	50.241	ug/l	99
68) m/p-Xylenes	10.36	106	465734	101.648	ug/l	96
69) o-Xylene	10.70	106	222944	50.453	ug/l	97
70) Styrene	10.71	104	375781	51.702	ug/l	97
71) Bromoform	10.86	173	115925	50.131	ug/l #	99
73) Isopropylbenzene	11.02	105	613184	52.614	ug/l	100
74) N-amyl acetate	10.90	43	281474	50.075	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	205505	46.744	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	194921m	51.258	ug/l	
77) Bromobenzene	11.26	156	165118	49.551	ug/l	99
78) n-propylbenzene	11.36	91	700534	52.235	ug/l	100
79) 2-Chlorotoluene	11.42	91	413656	50.363	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	524919	52.596	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61253	48.943	ug/l	98
82) 4-Chlorotoluene	11.51	91	490379	50.366	ug/l	100
83) tert-Butylbenzene	11.77	119	523690	51.818	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	537627	52.347	ug/l	99
85) sec-Butylbenzene	11.94	105	627393	52.457	ug/l	99
86) p-Isopropyltoluene	12.07	119	571168	52.837	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	305616	49.081	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	311738	48.938	ug/l	100
89) n-Butylbenzene	12.39	91	501496	51.094	ug/l	98
90) Hexachloroethane	12.60	117	91733	49.239	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	310484	48.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50442	47.037	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101618\
Data File : VX005376.D
Acq On : 16 Oct 2018 18:40
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

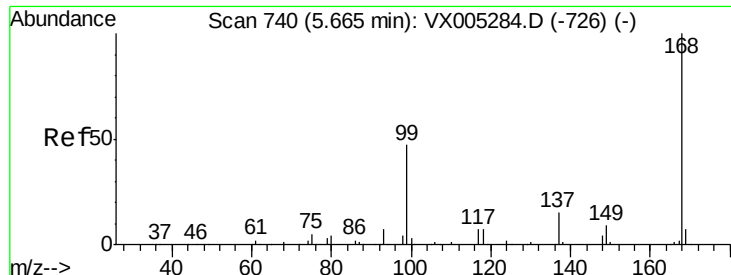
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM

Quant Time: Oct 17 07:18:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242332	51.981	ug/l	99
94) Hexachlorobutadiene	13.79	225	121588	49.382	ug/l	97
95) Naphthalene	13.83	128	727544	53.812	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	244783	51.316	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 255324

Ion Ratio Lower Upper

168 100

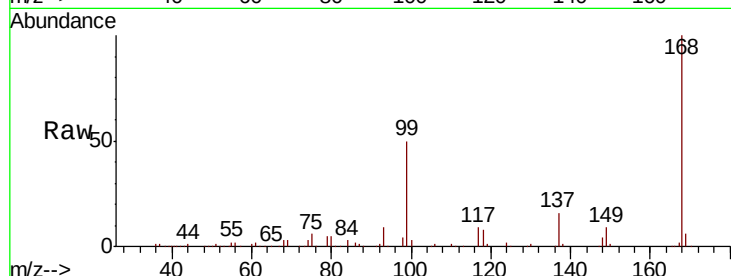
99 50.1 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

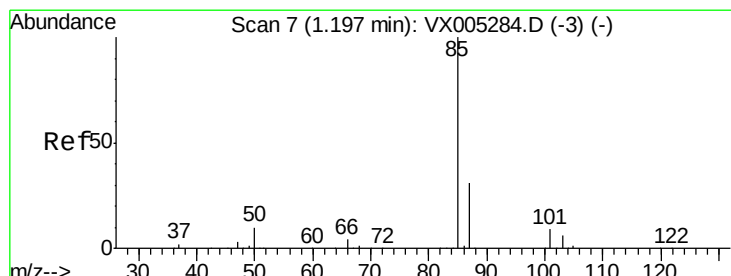
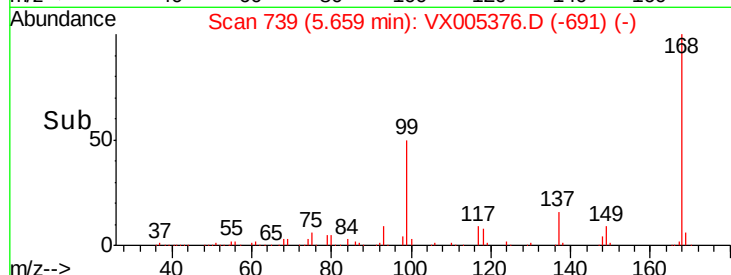
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.893 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005376.D

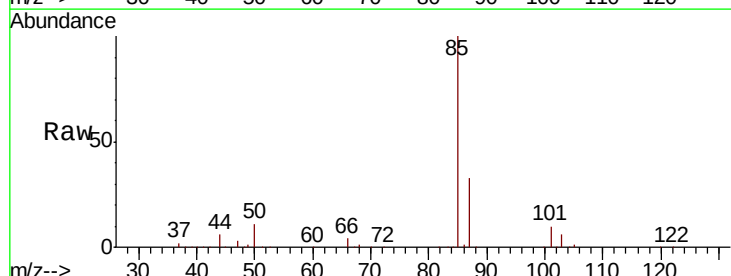
Acq: 16 Oct 2018 18:40

Tgt Ion: 85 Resp: 99602

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

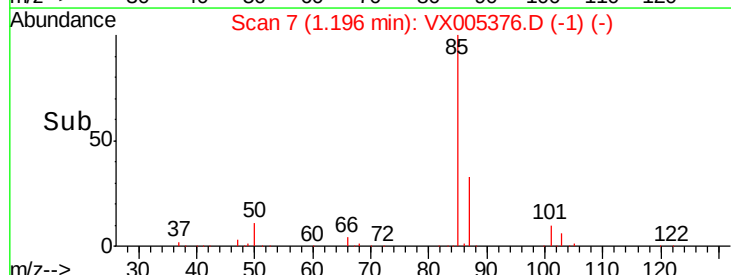
40000

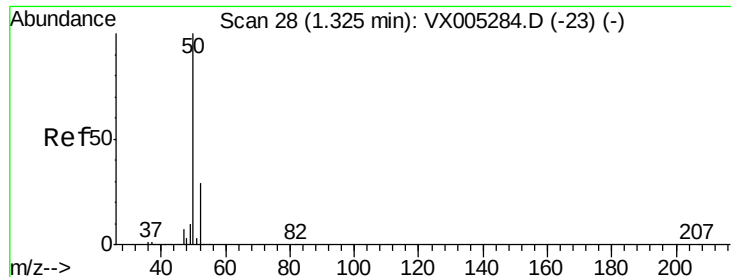
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.219 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 133695

Ion Ratio Lower Upper

50 100

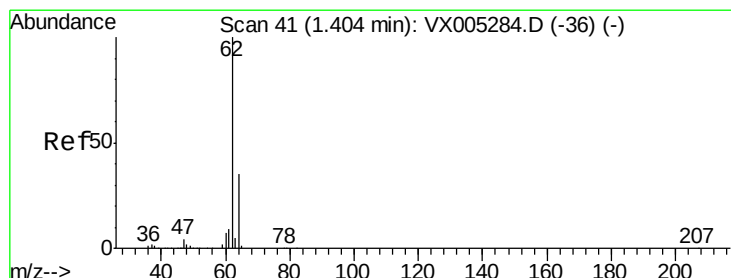
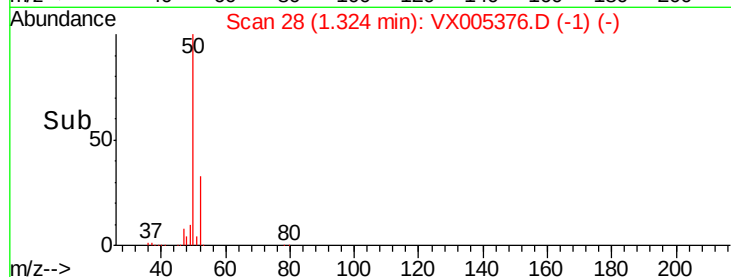
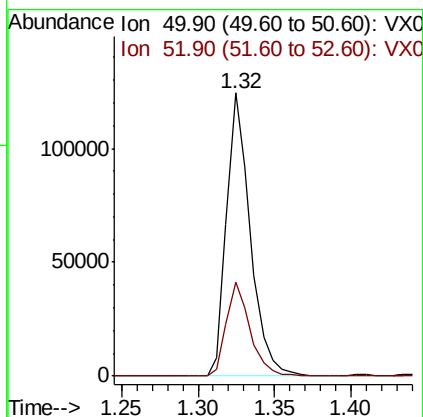
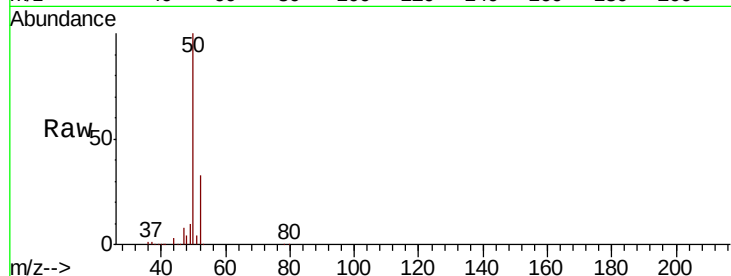
52 33.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#4

Vinyl Chloride

Concen: 48.007 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005376.D

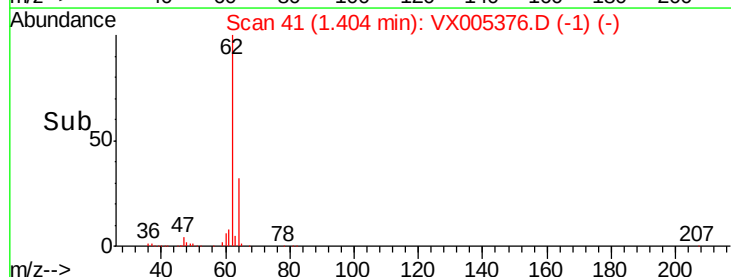
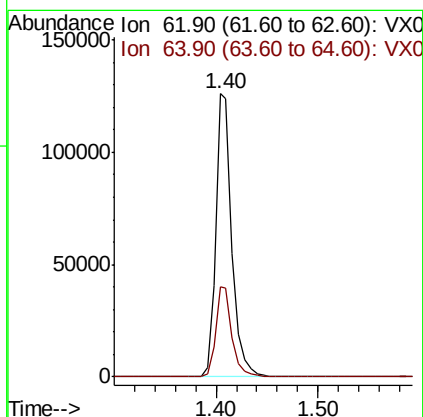
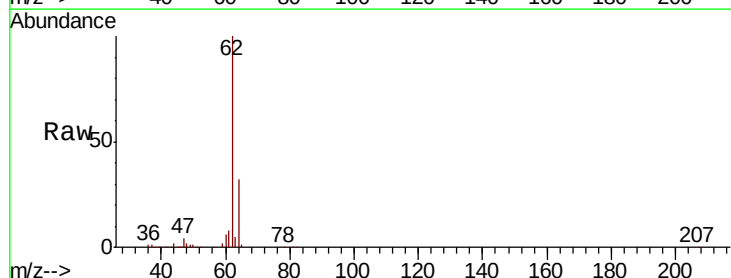
Acq: 16 Oct 2018 18:40

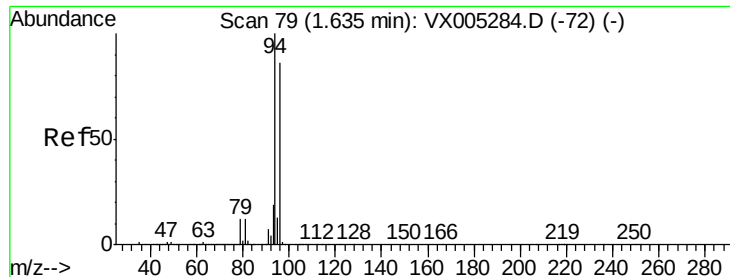
Tgt Ion: 62 Resp: 140674

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 47.626 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 78773

Ion Ratio Lower Upper

94 100

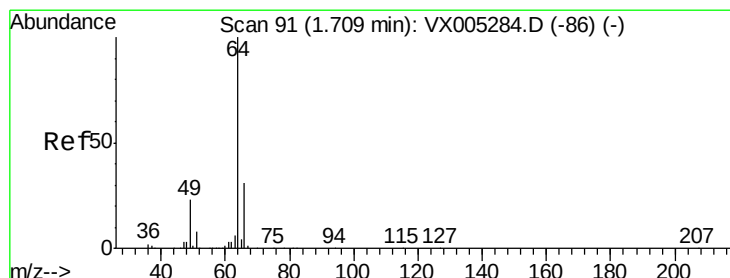
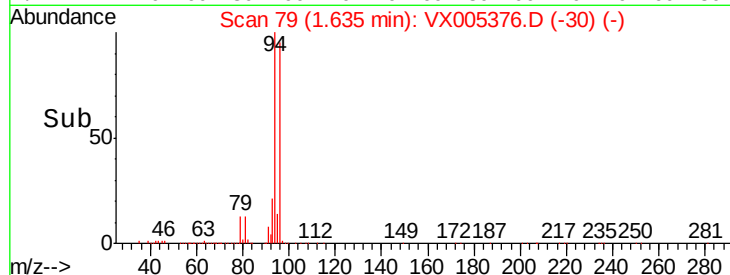
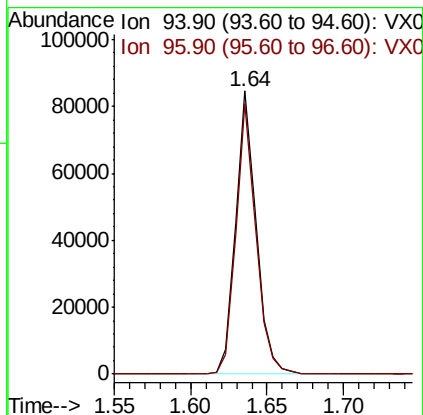
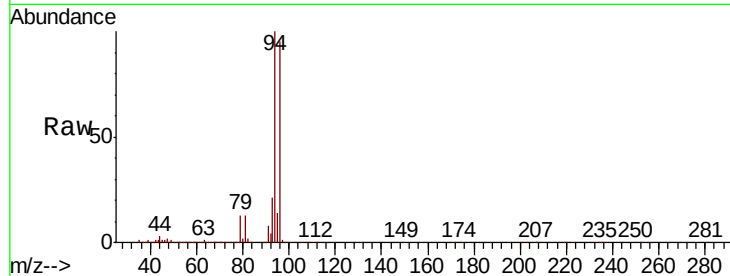
96 95.5 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#6

Chloroethane

Concen: 49.678 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005376.D

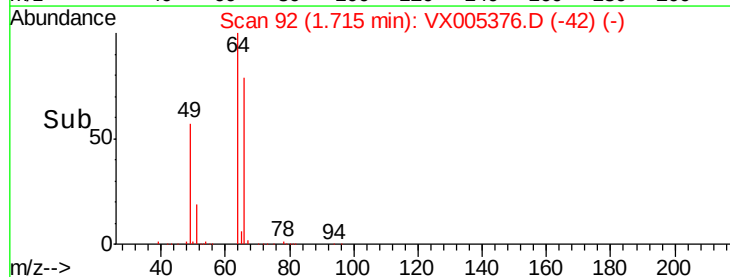
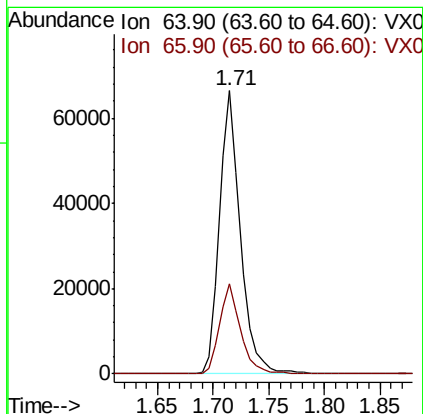
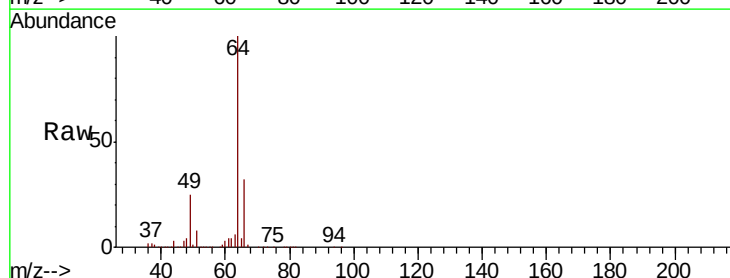
Acq: 16 Oct 2018 18:40

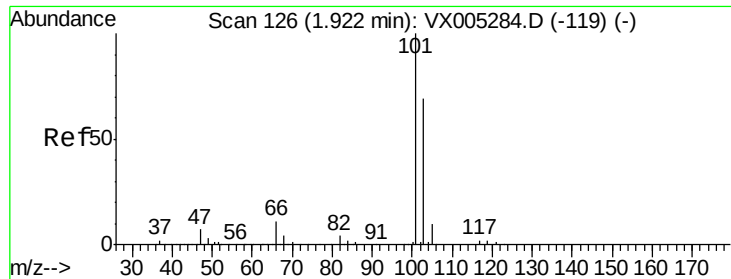
Tgt Ion: 64 Resp: 86034

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8





#7

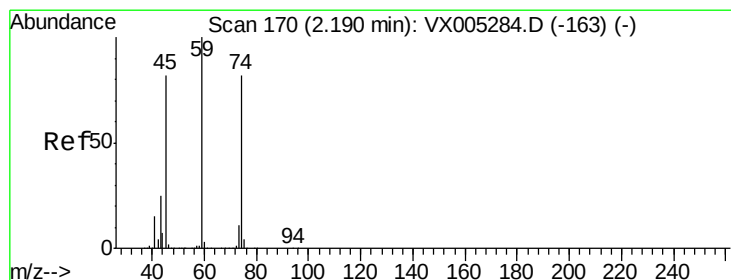
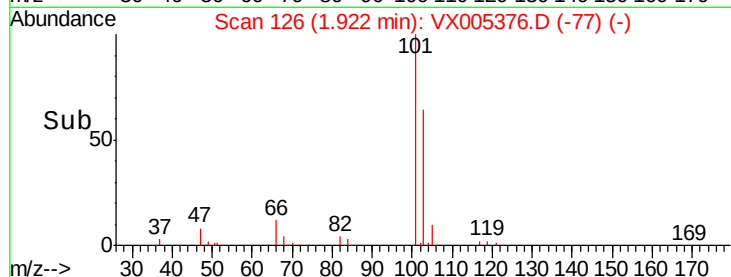
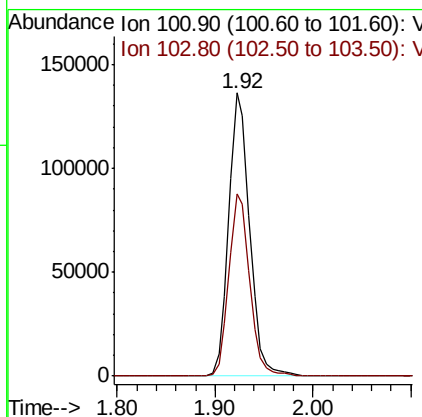
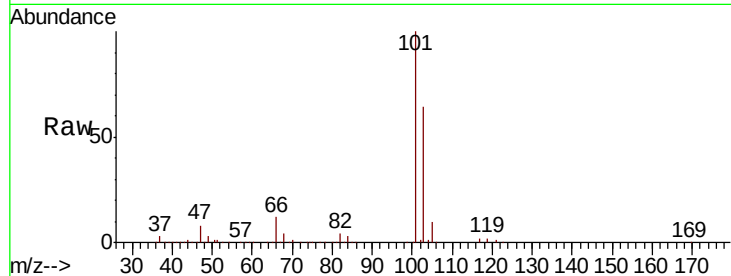
Trichlorofluoromethane
Concen: 51.799 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	48.9	73.3

Manual Integrations
APPROVED

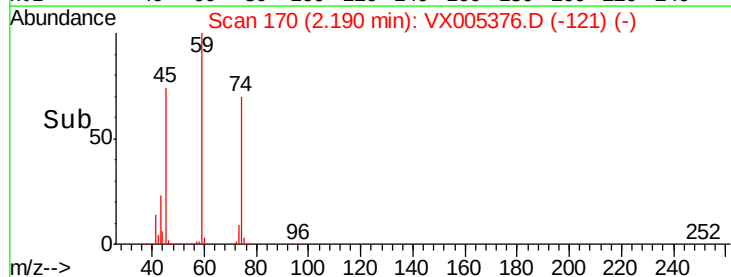
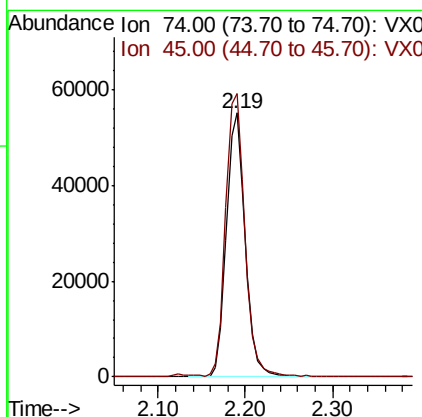
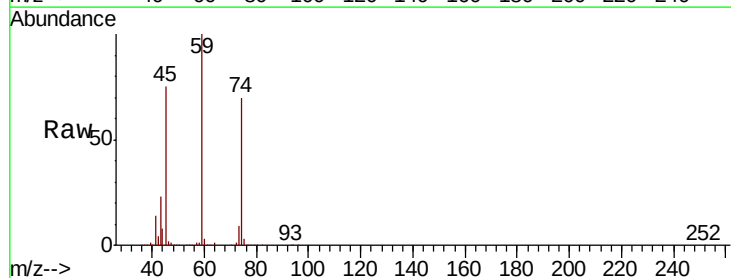
MMDadoda
10/17/2018 9:35:02 AM

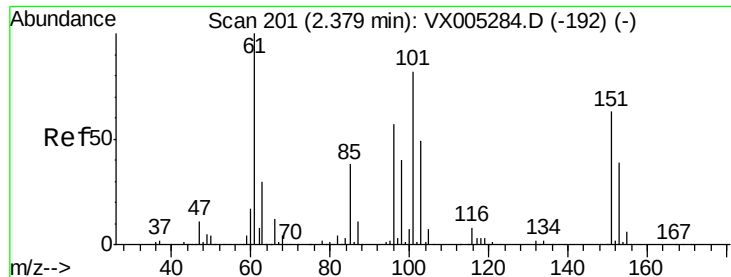


#8

Diethyl Ether
Concen: 49.120 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.169 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

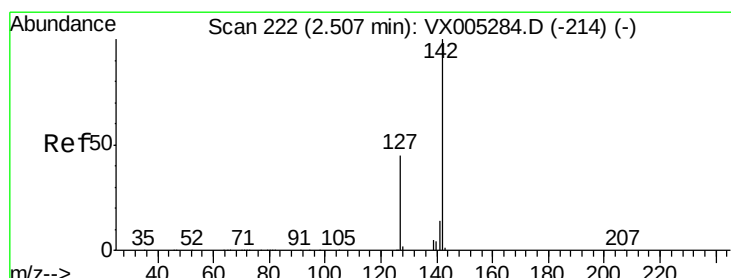
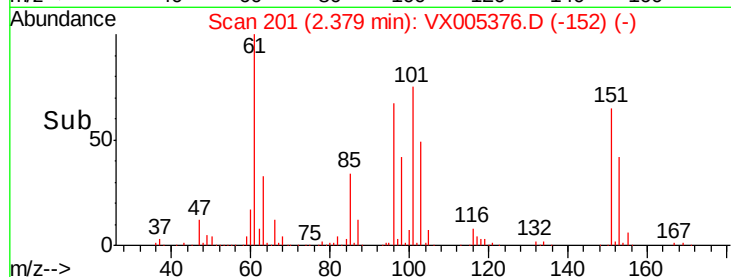
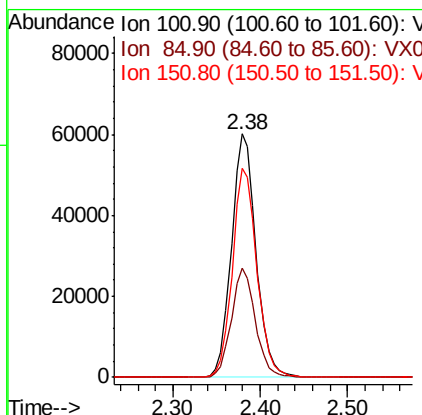
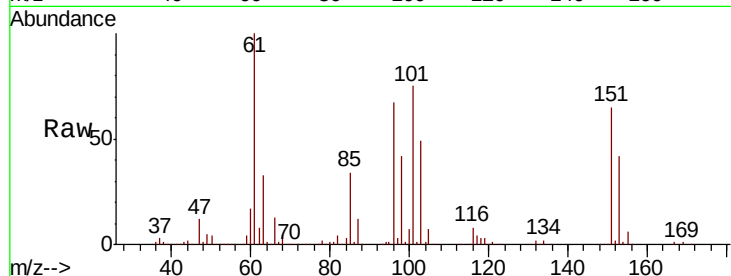
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	117746
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	86.1	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



#10

Methyl Iodide

Concen: 56.807 ug/l

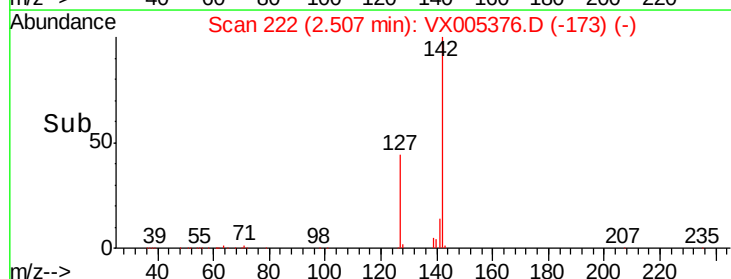
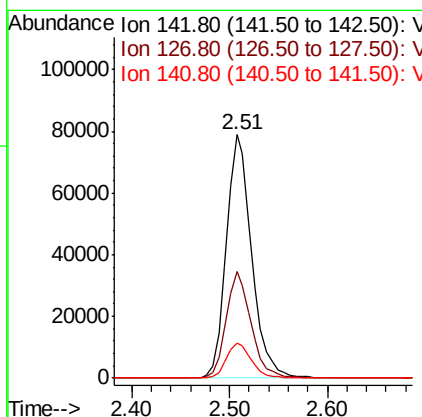
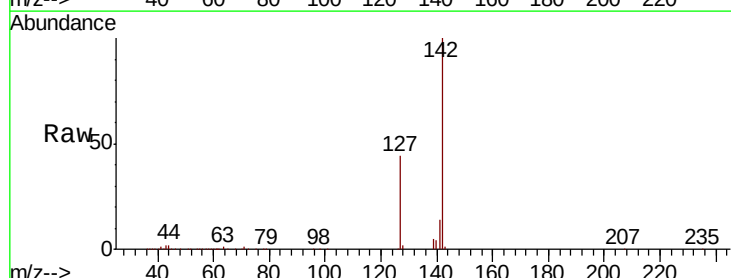
RT: 2.51 min Scan# 222

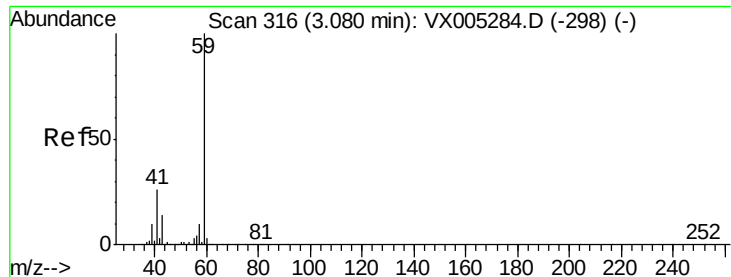
Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion:	142	Resp:	141467
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.8	50.6
141	14.2	11.4	17.0





#11

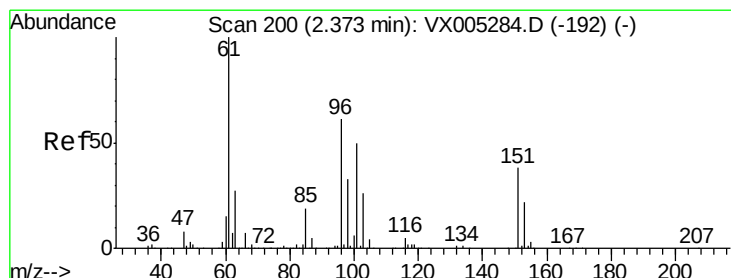
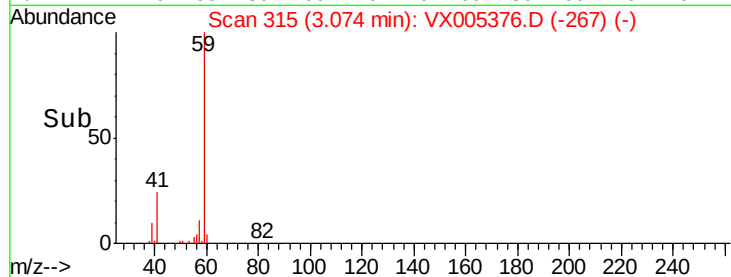
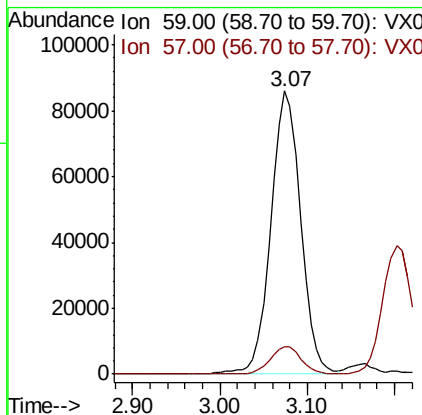
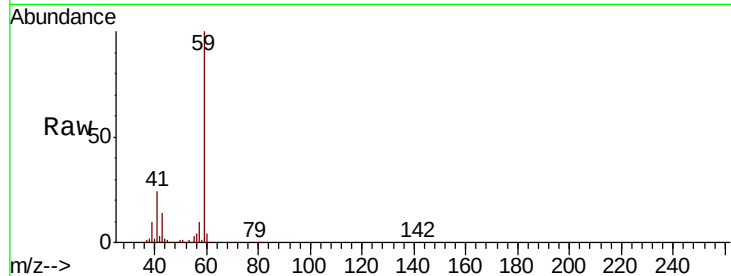
Tert butyl alcohol
Concen: 254.769 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
APPROVED

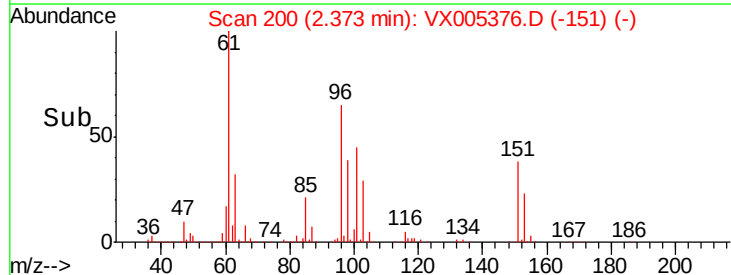
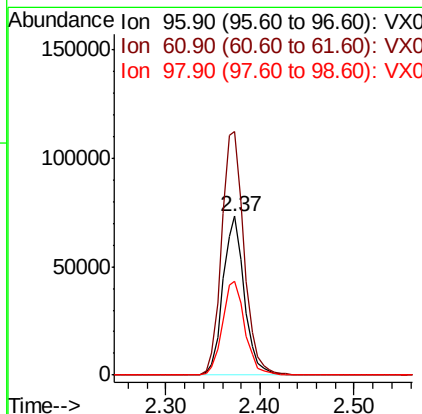
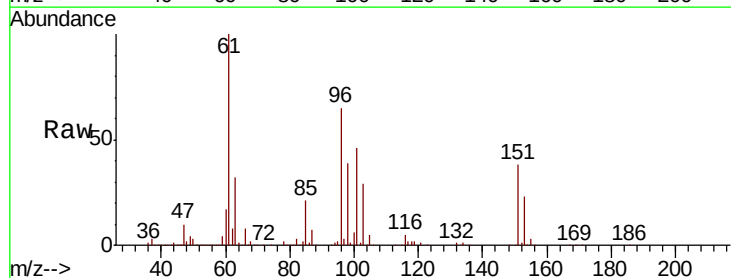
MMDadoda
10/17/2018 9:35:02 AM

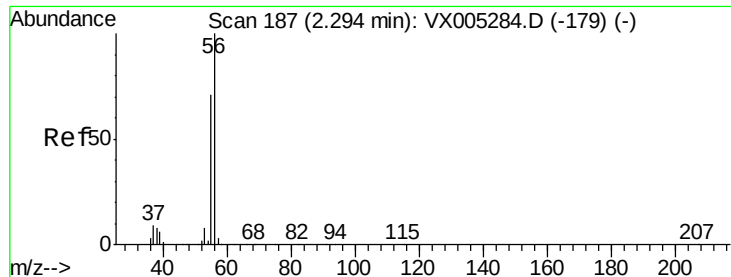


#12

1,1-Dichloroethene
Concen: 51.364 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	128.8	193.2
98	59.4	52.2	78.2





#13

Acrolein

Concen: 198.700 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 101579

Ion Ratio Lower Upper

56 100

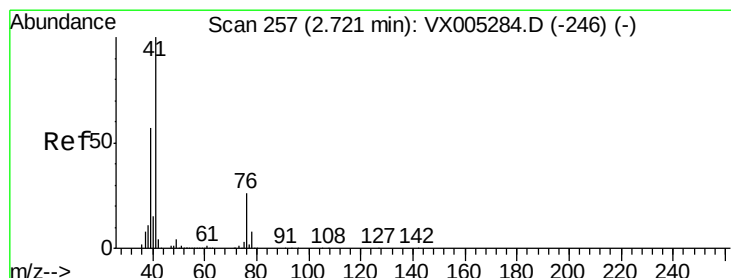
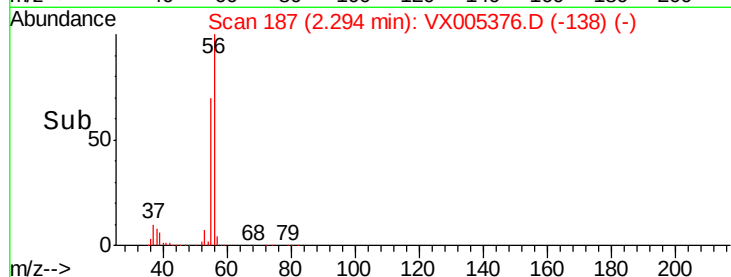
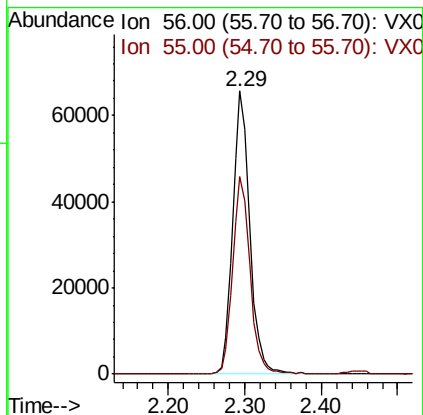
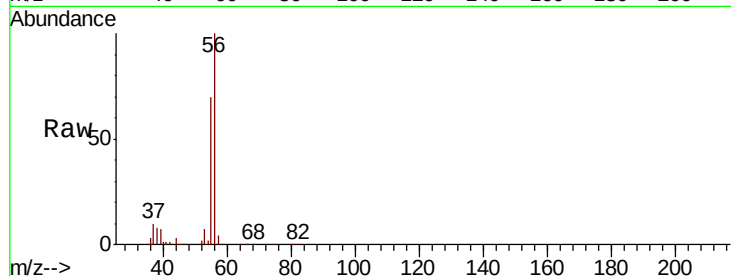
55 71.2 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#14

Allyl chloride

Concen: 49.008 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

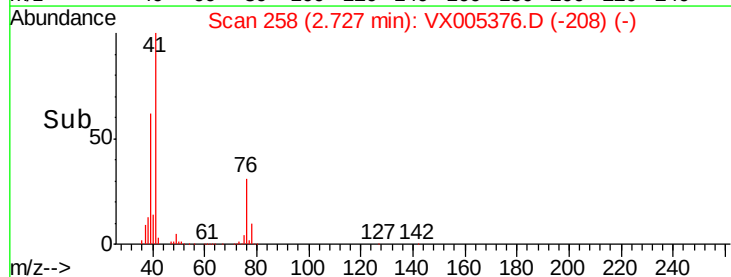
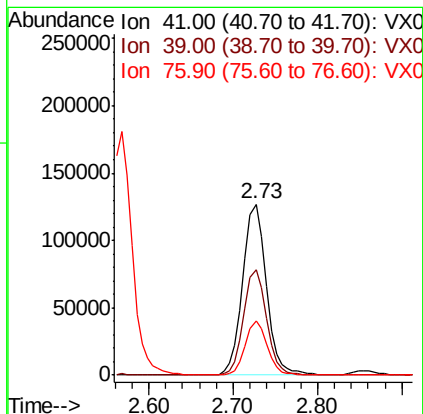
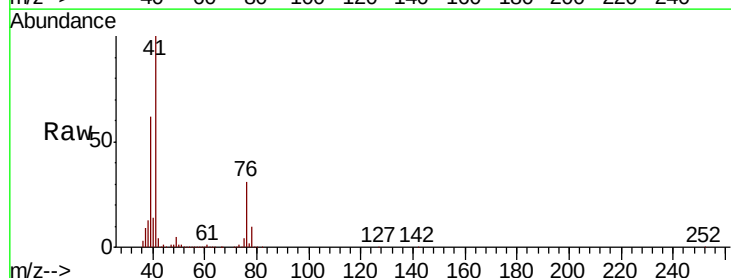
Tgt Ion: 41 Resp: 240612

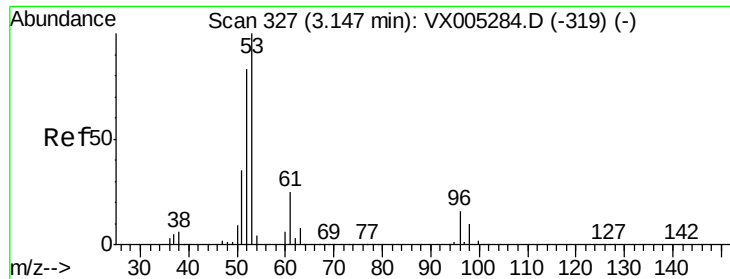
Ion Ratio Lower Upper

41 100

39 59.5 48.9 73.3

76 29.1 26.7 40.1





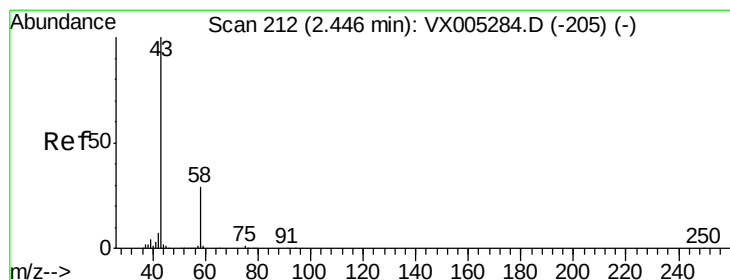
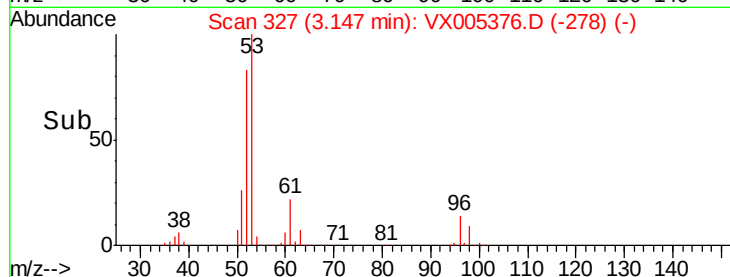
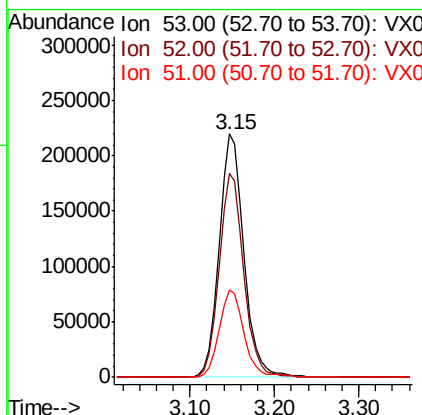
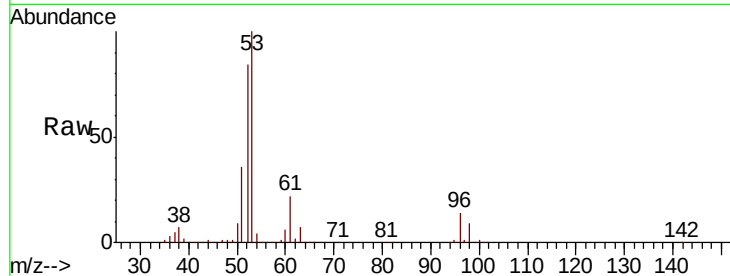
#15
 Acrylonitrile
 Concen: 243.884 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.2	97.8
51	36.4	28.2	42.2

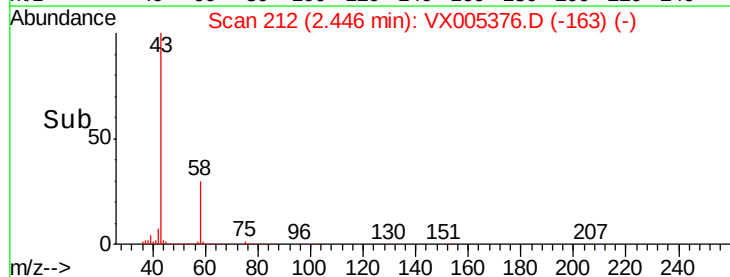
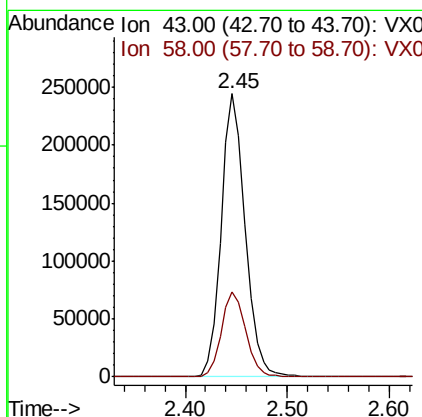
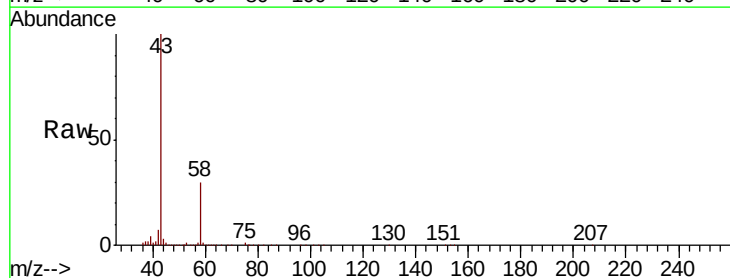
Manual Integrations
 APPROVED

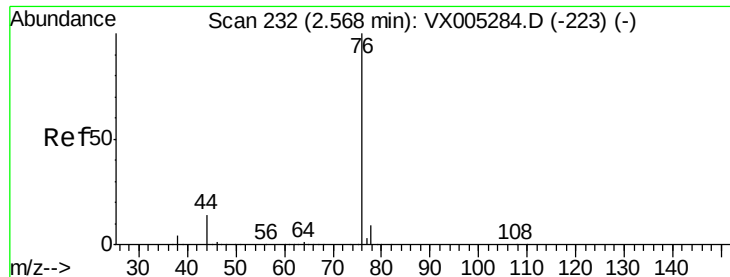
MMDadoda
 10/17/2018 9:35:02 AM



#16
 Acetone
 Concen: 242.368 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	26.2	39.4





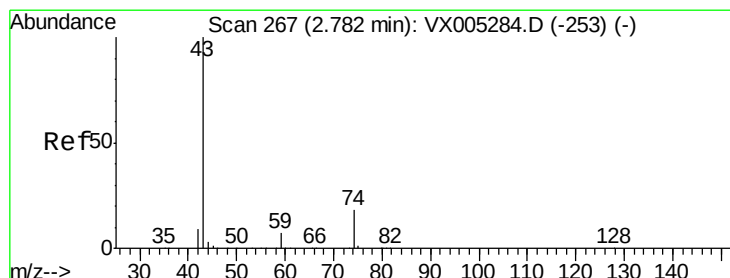
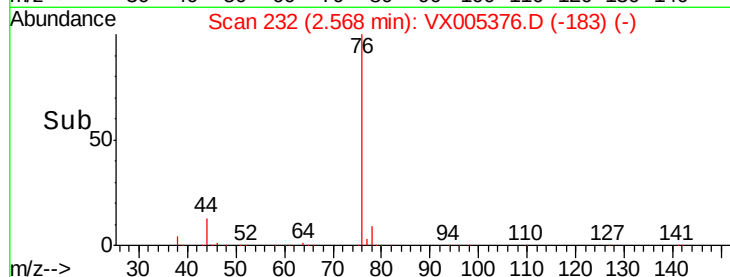
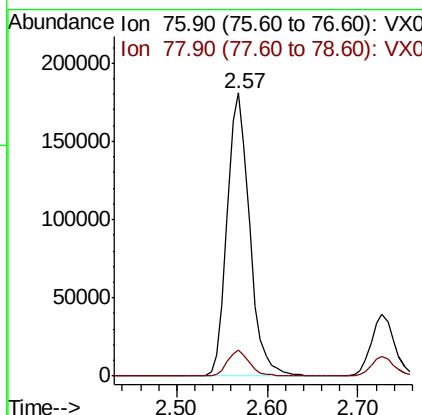
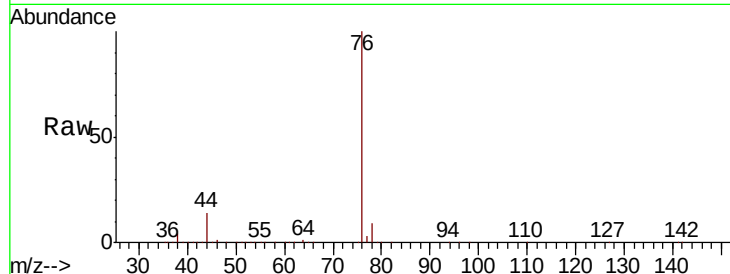
#17
Carbon Disulfide
Concen: 46.044 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

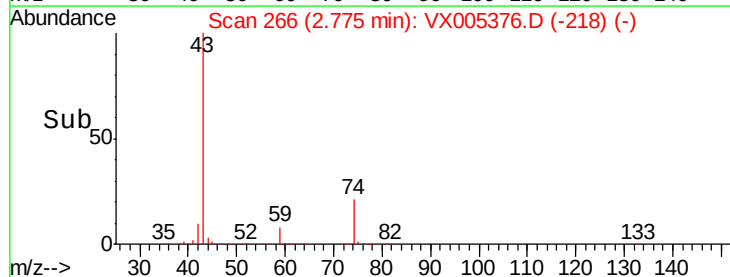
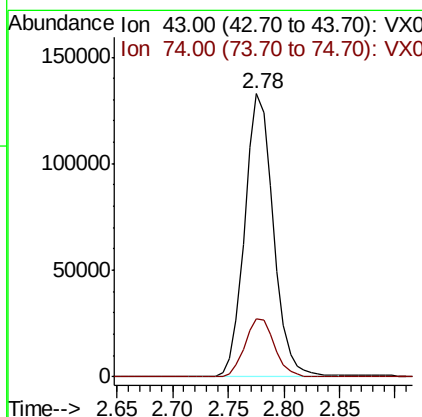
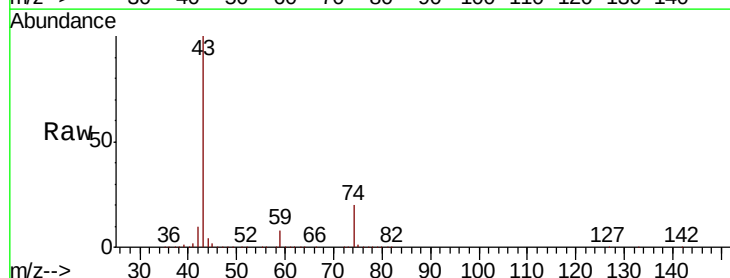
Manual Integrations
APPROVED

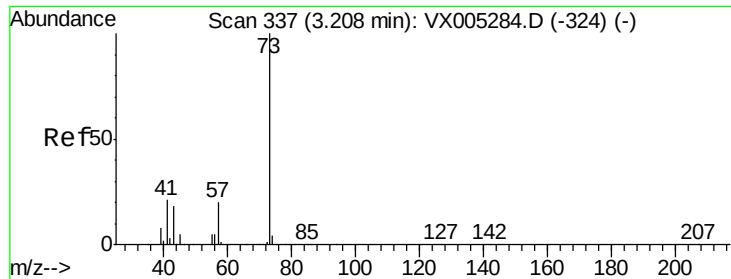
MMDadoda
10/17/2018 9:35:02 AM



#18
Methyl Acetate
Concen: 50.851 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	19.4	29.2





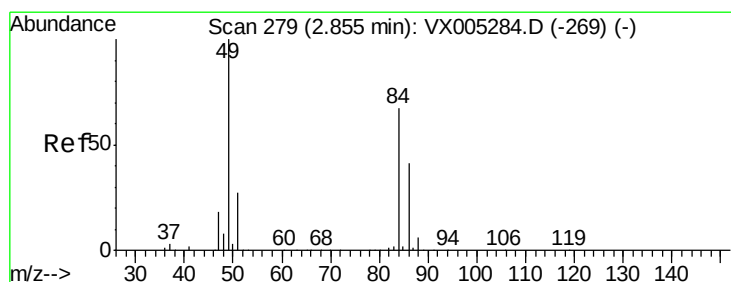
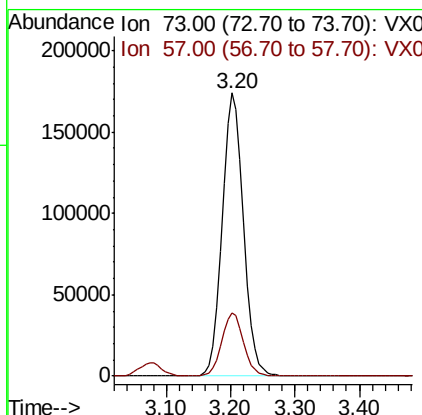
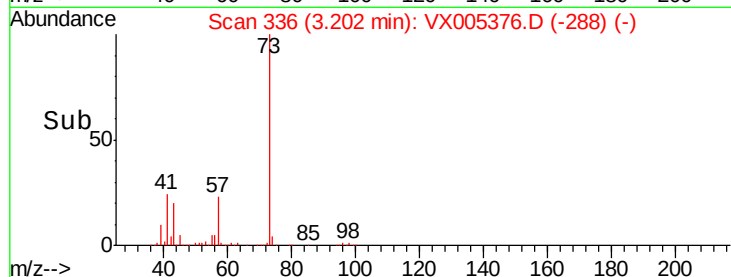
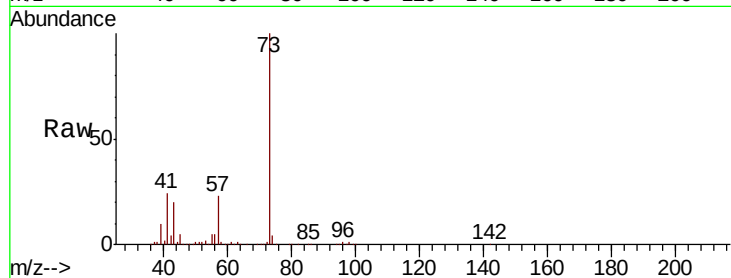
#19
Methyl tert-butyl Ether
Concen: 51.483 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 405469
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

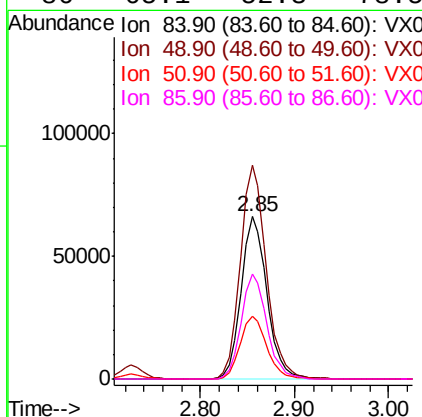
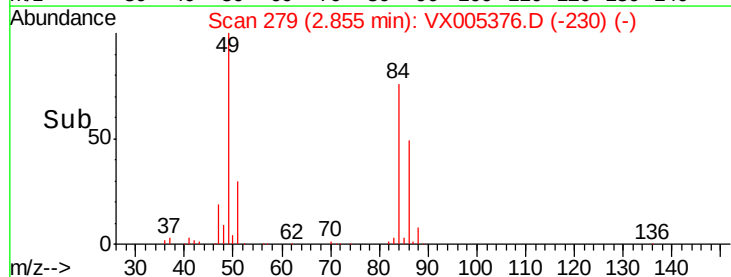
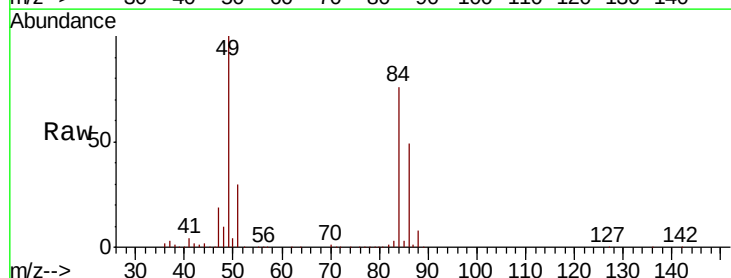
Manual Integrations
APPROVED

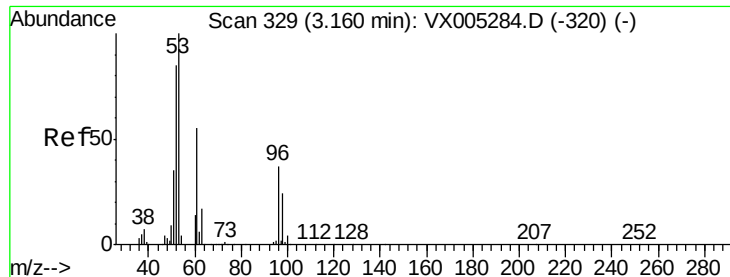
MMDadoda
10/17/2018 9:35:02 AM



#20
Methylene Chloride
Concen: 53.280 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 84 Resp: 126990
Ion Ratio Lower Upper
84 100
49 131.7 101.2 151.8
51 39.0 29.5 44.3
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.680 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 118160

Ion Ratio Lower Upper

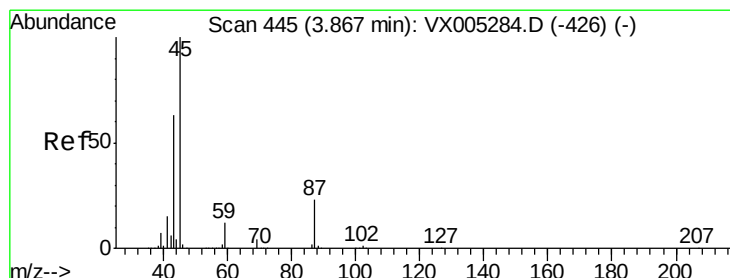
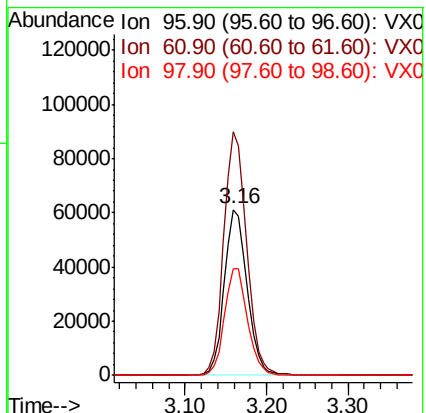
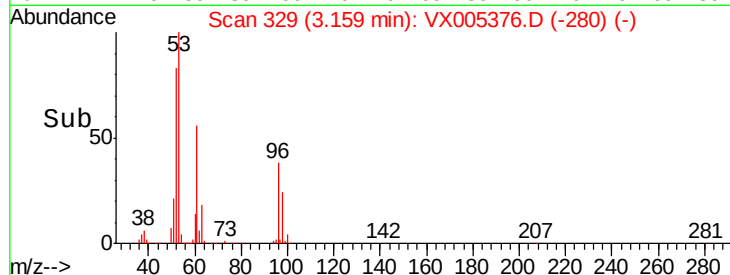
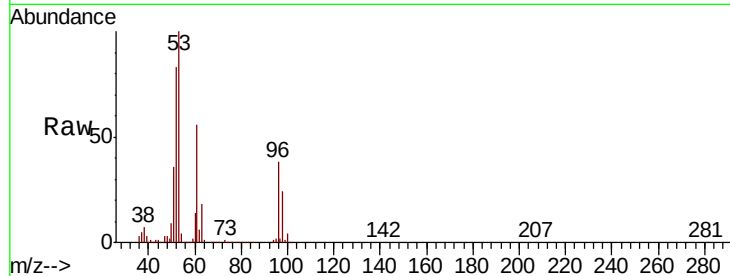
96 100

61 146.7 113.8 170.6

98 64.1 51.8 77.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



#22

Diisopropyl ether

Concen: 47.824 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion: 45 Resp: 394374

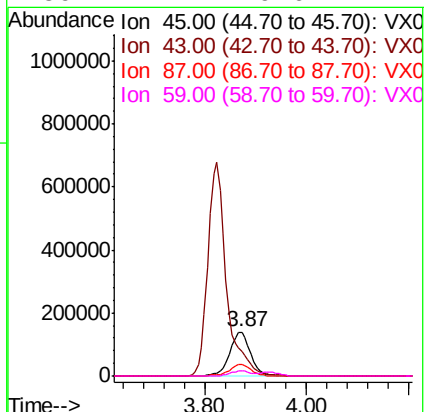
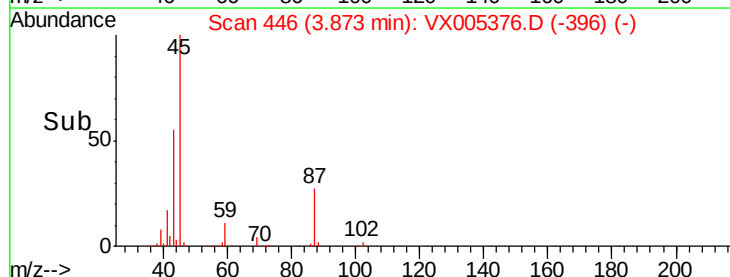
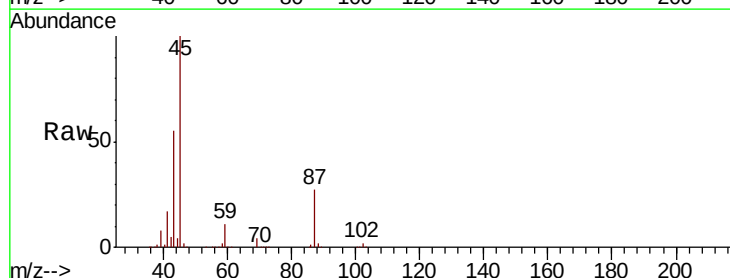
Ion Ratio Lower Upper

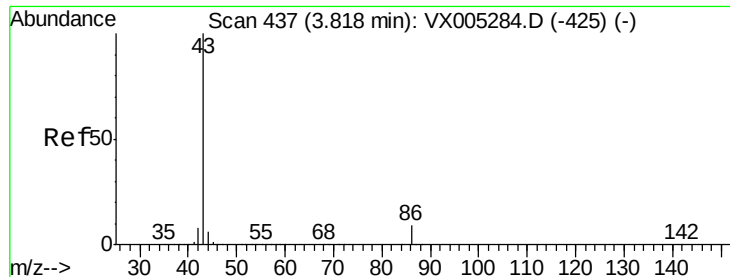
45 100

43 55.2 42.8 64.2

87 26.6 22.6 34.0

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 238.657 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1720151

Ion Ratio Lower Upper

43 100

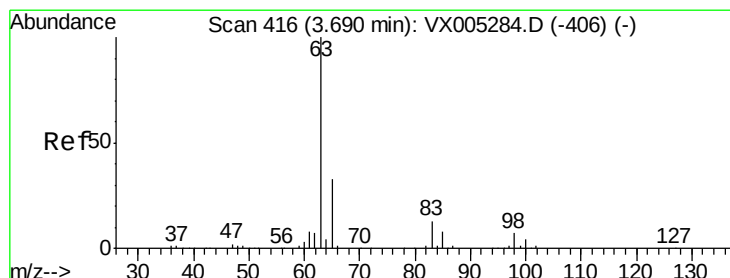
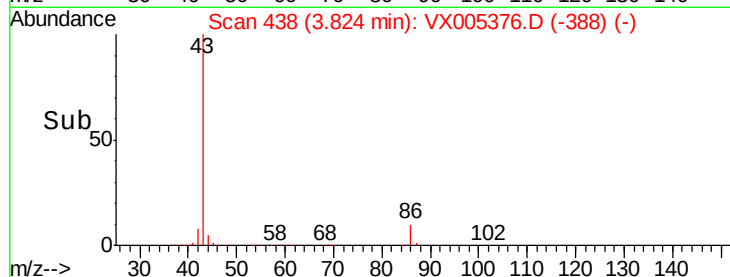
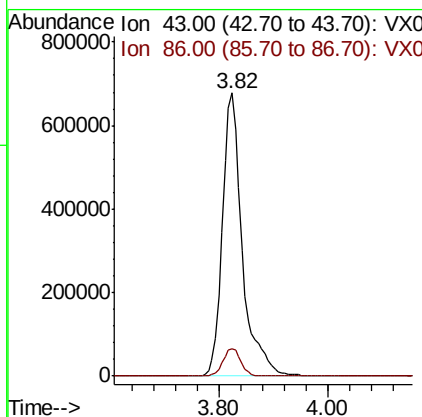
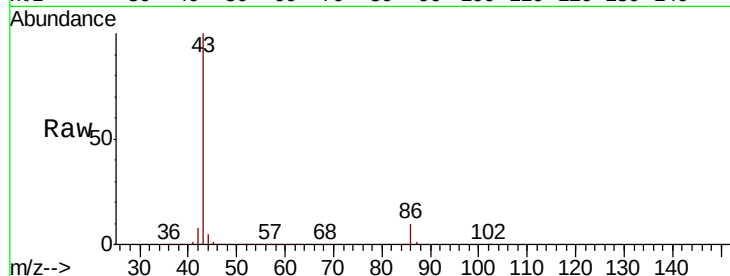
86 9.8 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#24

1,1-Dichloroethane

Concen: 50.134 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

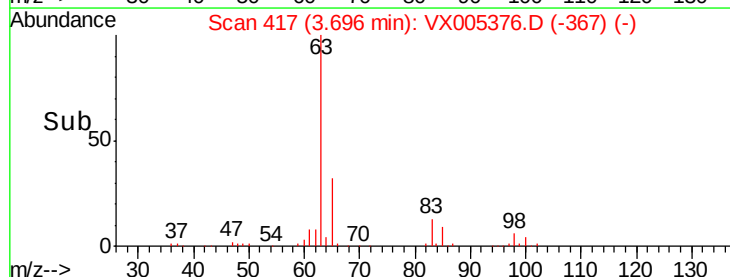
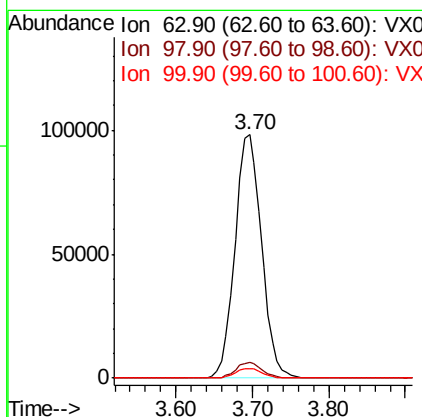
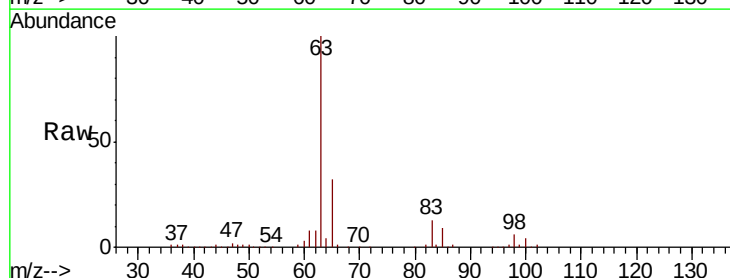
Tgt Ion: 63 Resp: 236938

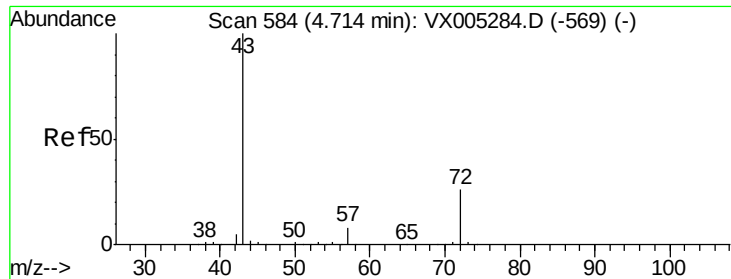
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 240.049 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 575443

Ion Ratio Lower Upper

43 100

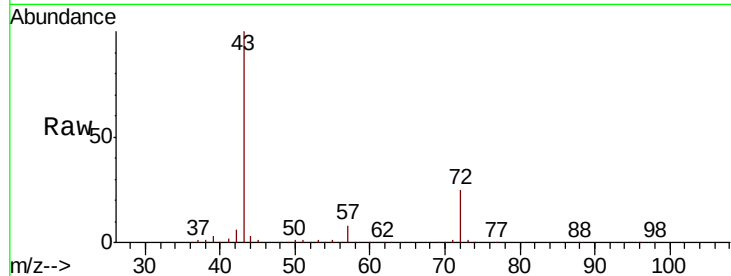
72 24.5 22.0 33.0

Manual Integrations

APPROVED

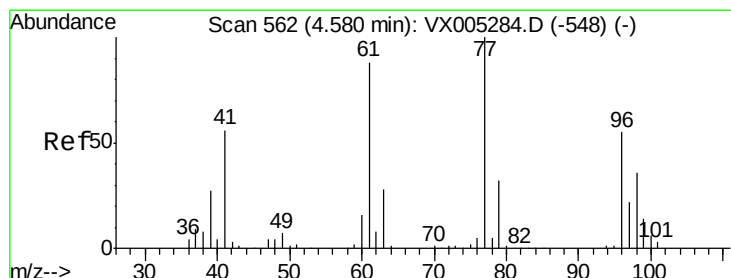
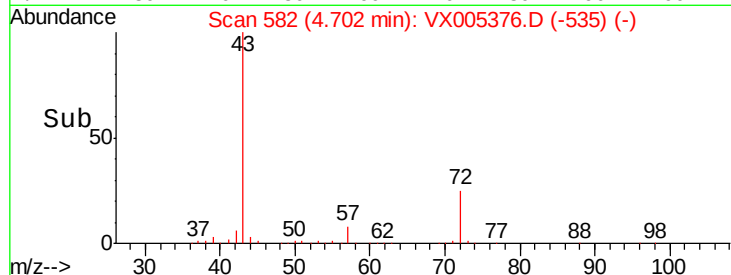
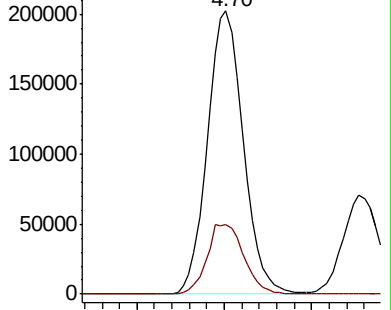
MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.738 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005376.D

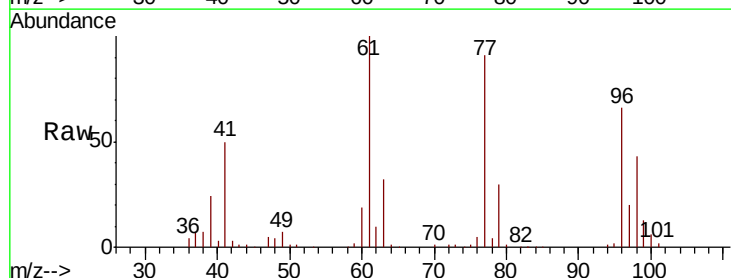
Acq: 16 Oct 2018 18:40

Tgt Ion: 77 Resp: 168736

Ion Ratio Lower Upper

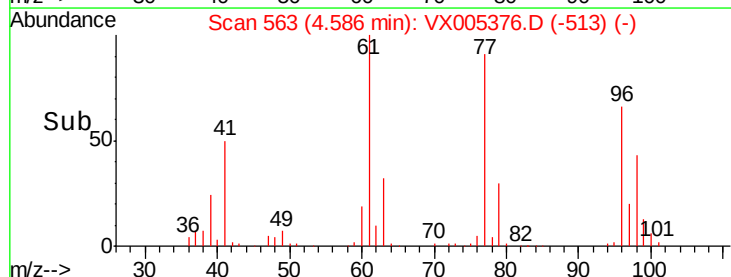
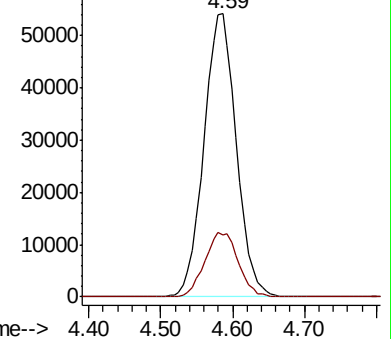
77 100

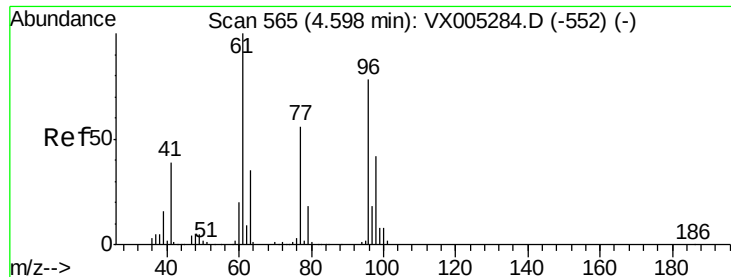
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

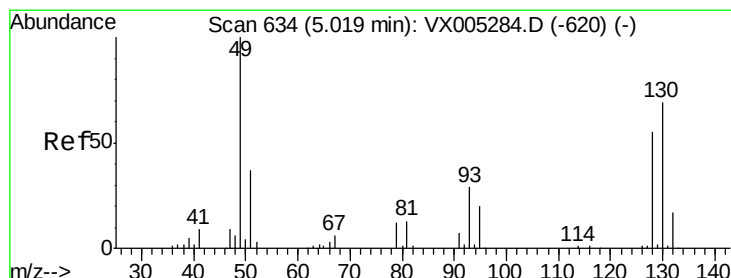
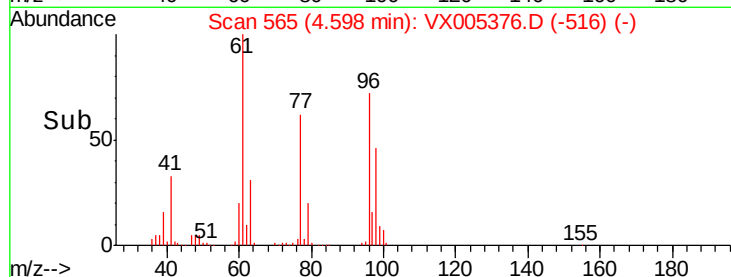
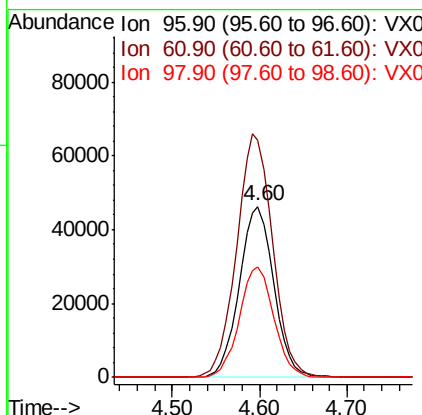
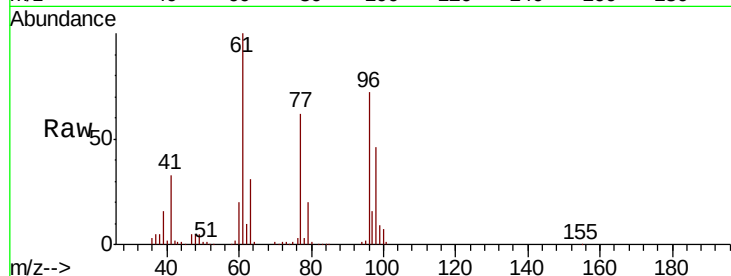
cis-1,2-Dichloroethene
Concen: 47.145 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126974		
61	148.8		0.0	282.6
98	64.7		0.0	130.2

Manual Integrations
APPROVED

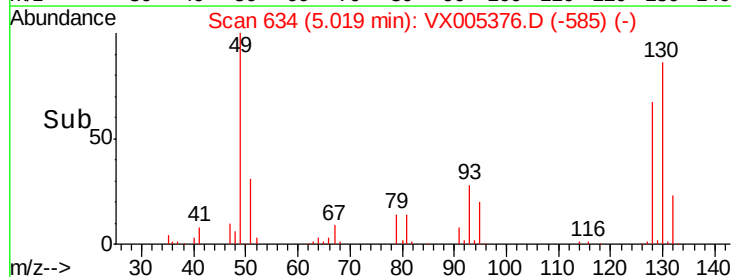
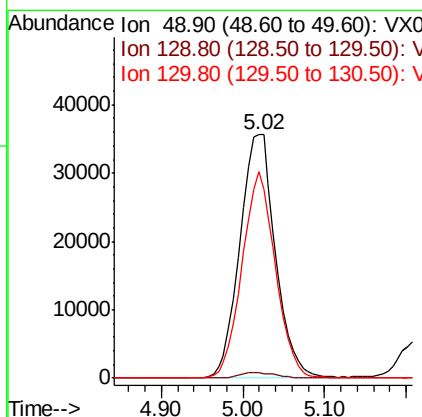
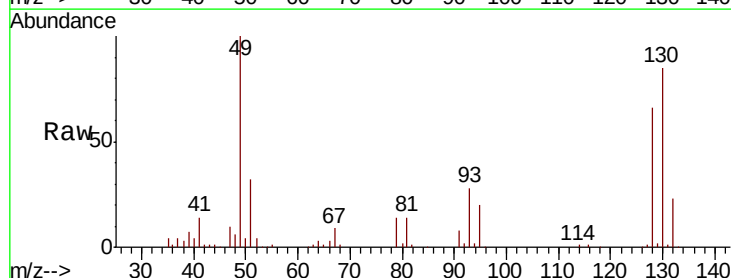
MMDadoda
10/17/2018 9:35:02 AM

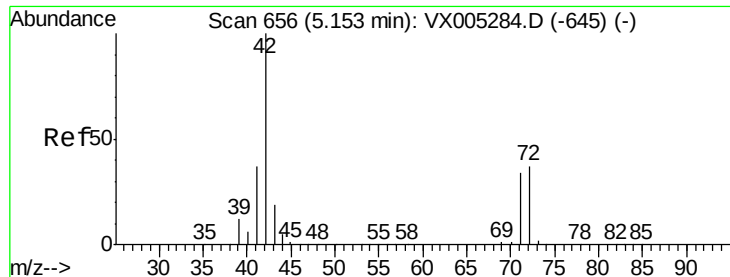


#28

Bromochloromethane
Concen: 50.302 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108376		
129	2.2		0.0	4.2
130	79.0		67.5	101.3





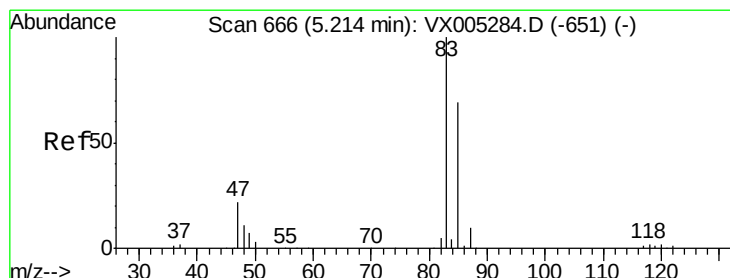
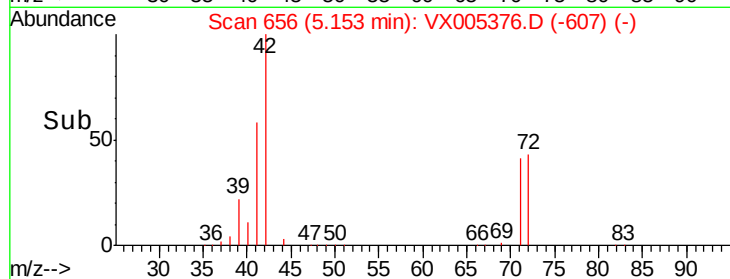
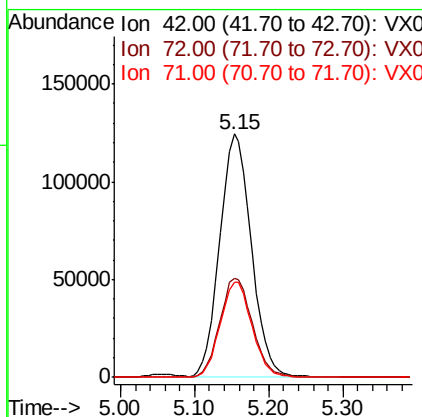
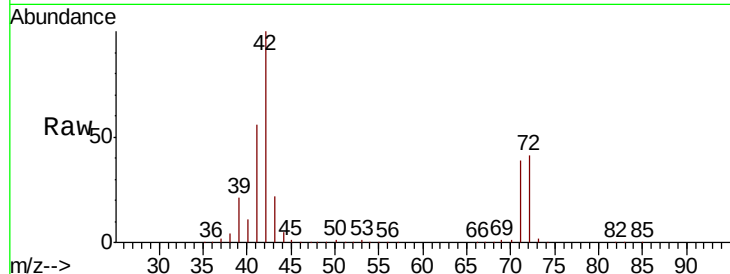
#29
Tetrahydrofuran
Concen: 240.152 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.4	56.0
71	39.6	34.5	51.7

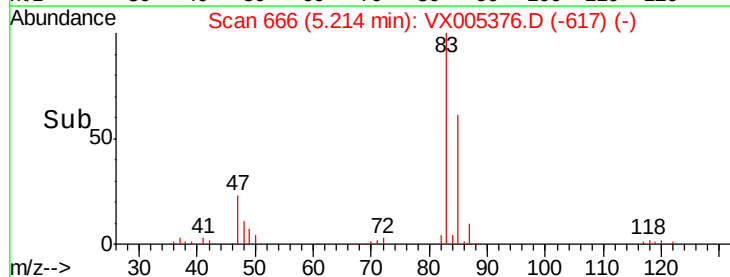
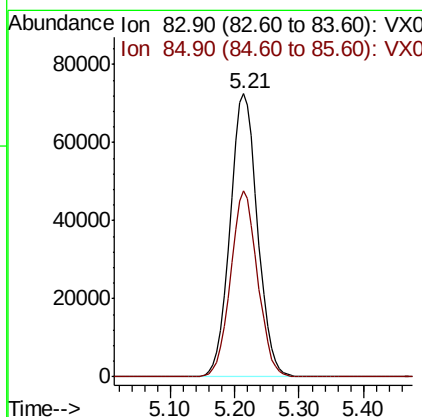
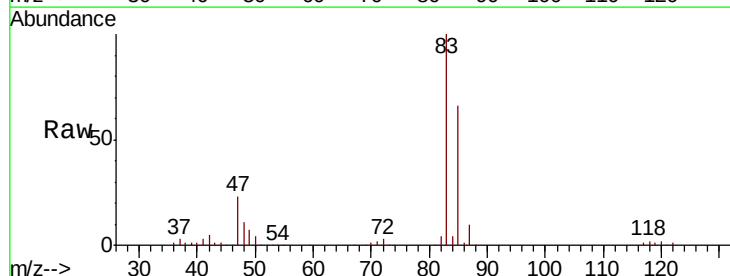
Manual Integrations
APPROVED

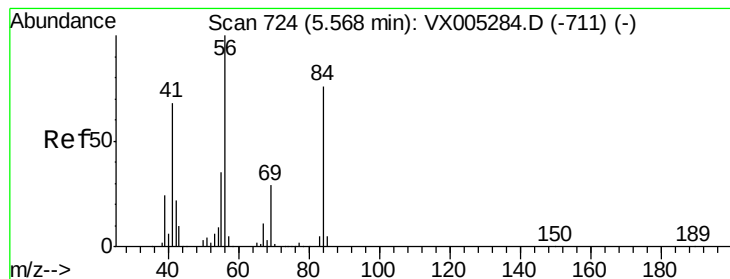
MMDadoda
10/17/2018 9:35:02 AM



#30
Chloroform
Concen: 49.125 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	79.0





#31

Cyclohexane

Concen: 48.656 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

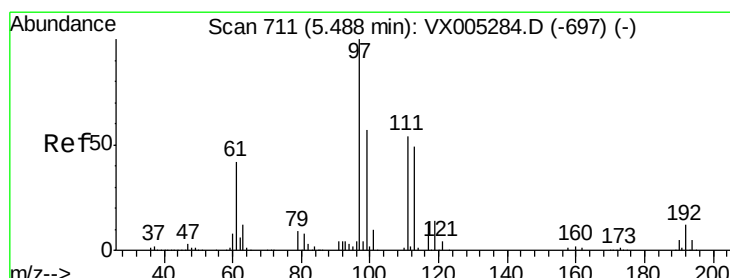
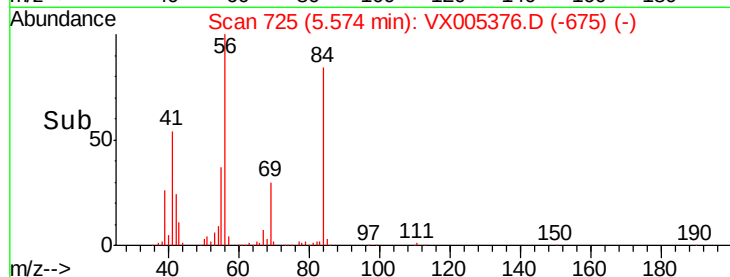
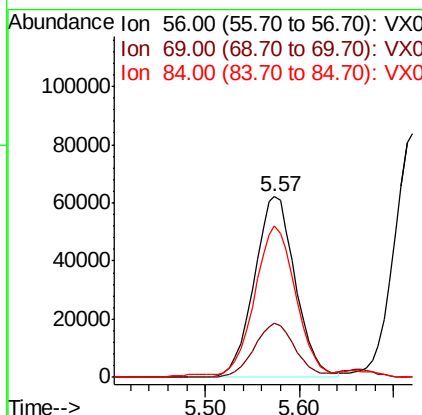
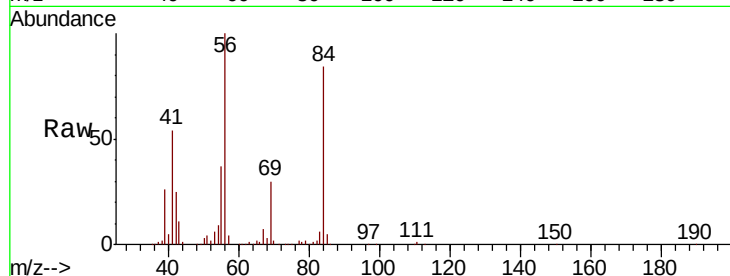
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	189530
Ion Ratio	Lower	Upper	
56	100		
69	30.1	25.4	38.2
84	82.2	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



#32

1,1,1-Trichloroethane

Concen: 49.678 ug/l

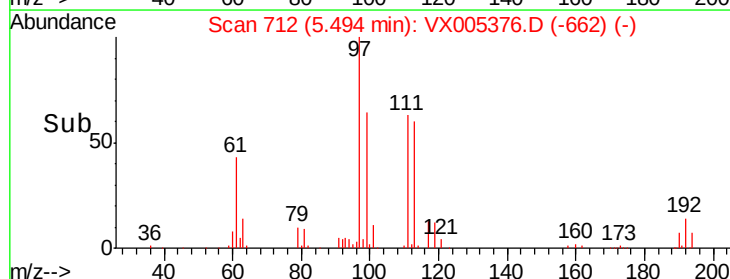
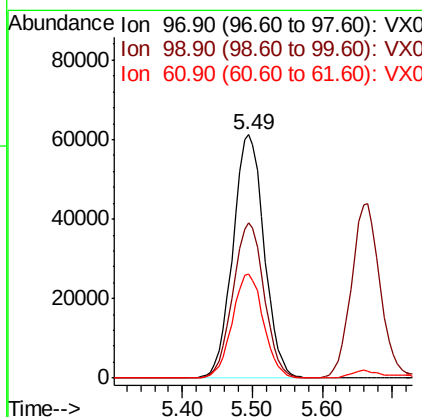
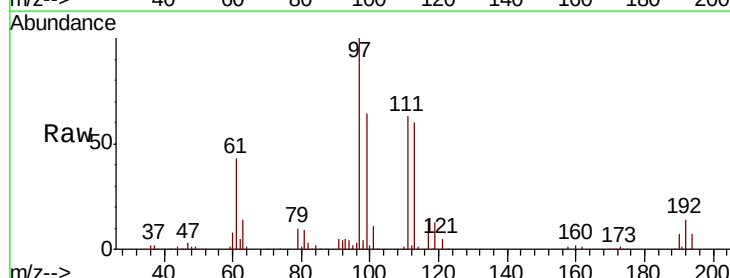
RT: 5.49 min Scan# 712

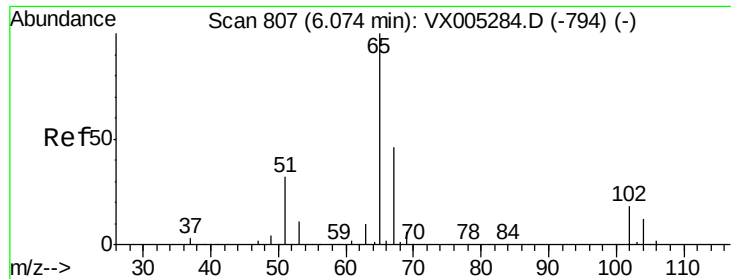
Delta R.T. 0.01 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion:	97	Resp:	189619
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.0	78.0
61	43.0	34.9	52.3





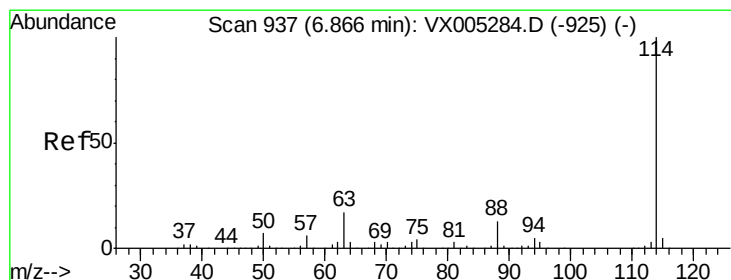
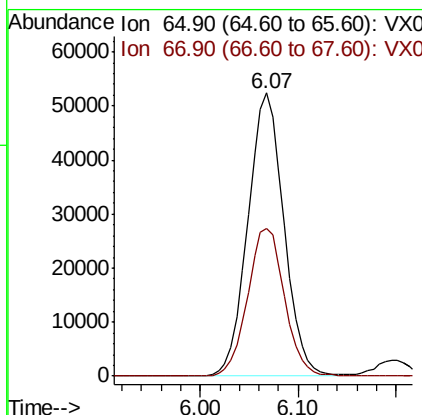
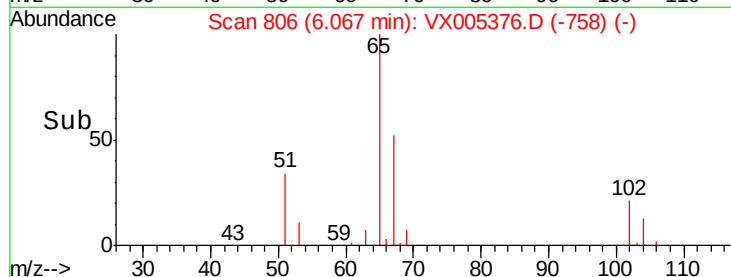
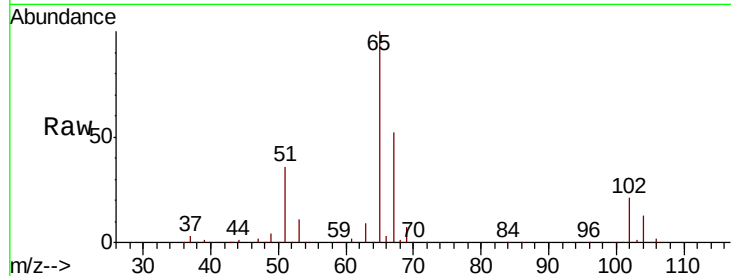
#33
 1,2-Dichloroethane-d4
 Concen: 47.487 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.8

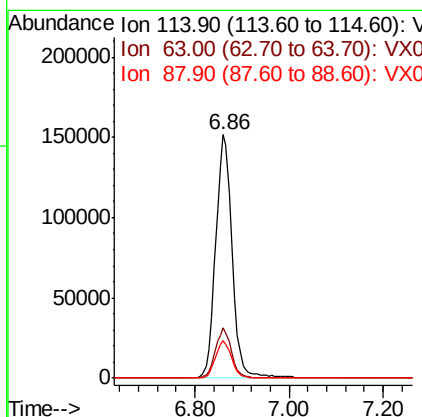
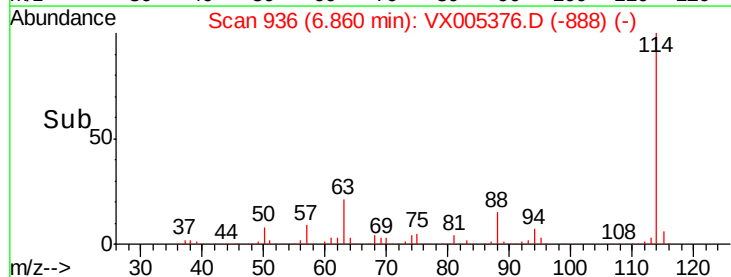
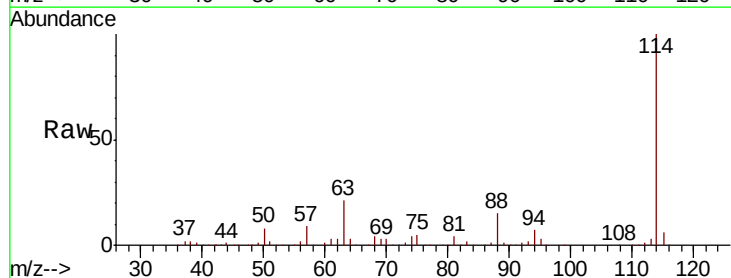
Manual Integrations
 APPROVED

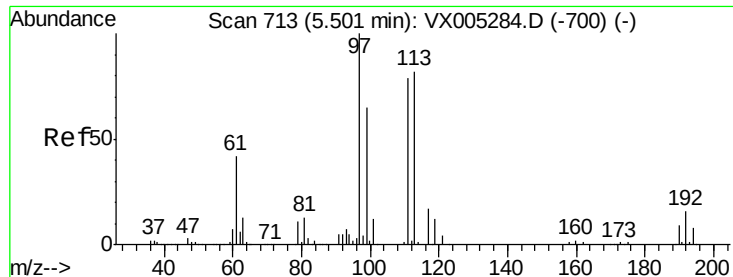
MMDadoda
 10/17/2018 9:35:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	15.4	0.0	30.4





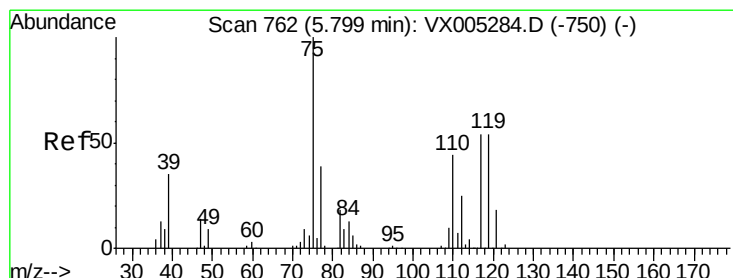
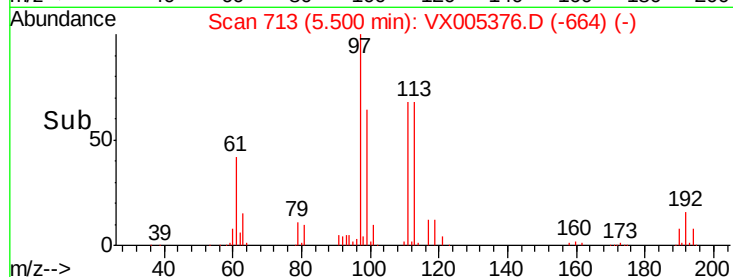
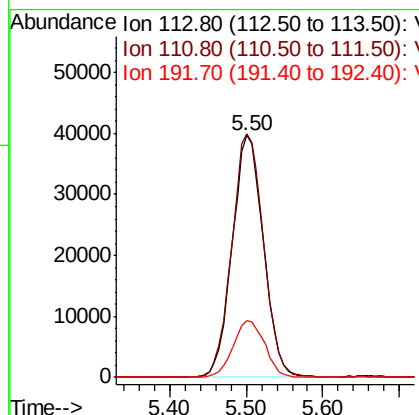
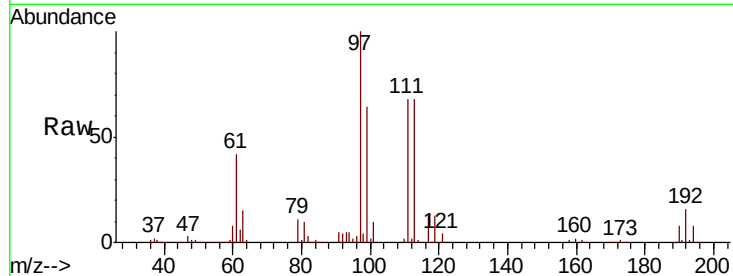
#35
Dibromofluoromethane
Concen: 46.096 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111902		
111	102.5	82.4	123.6	
192	23.9	19.4	29.2	

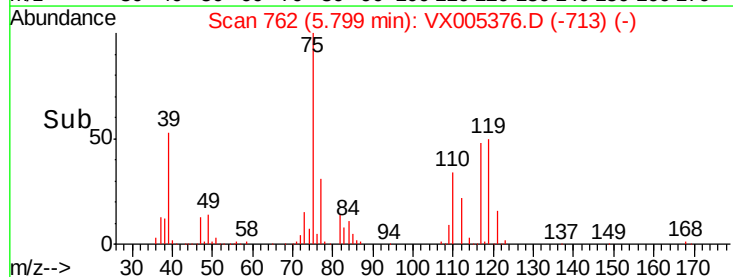
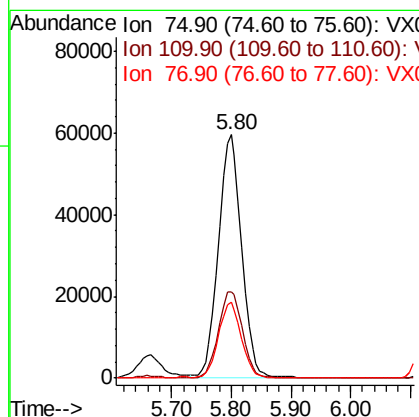
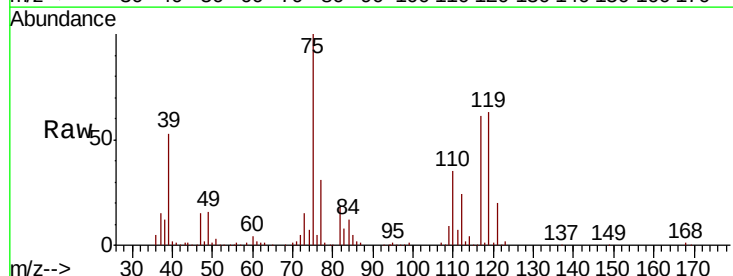
Manual Integrations
APPROVED

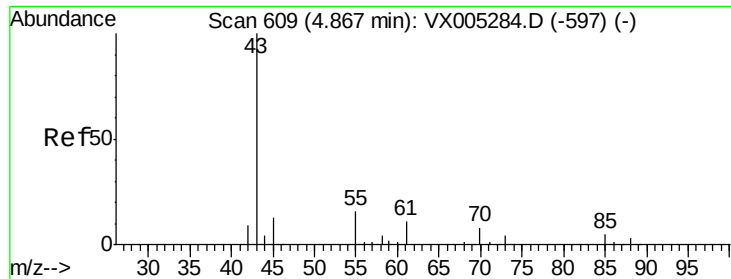
MMDadoda
10/17/2018 9:35:02 AM



#36
1,1-Dichloropropene
Concen: 45.253 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160639		
110	37.0	18.0	54.0	
77	31.0	24.6	36.8	





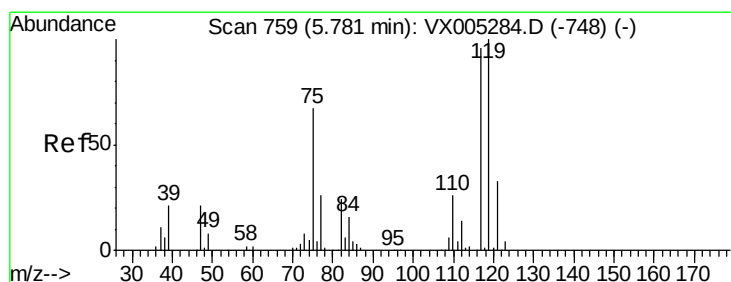
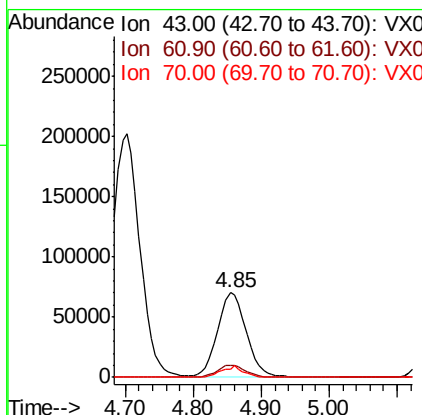
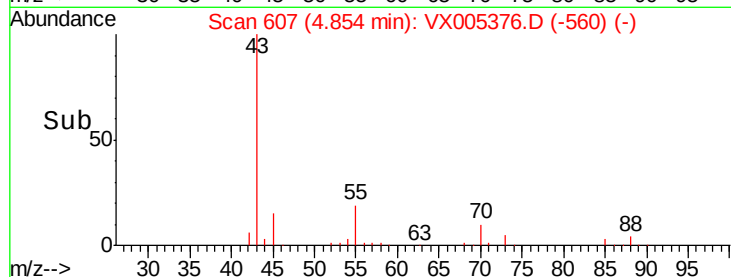
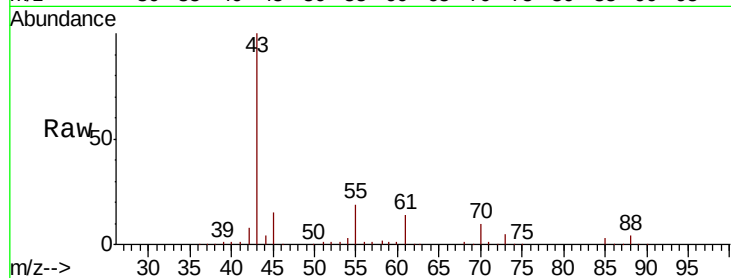
#37
Ethyl Acetate
Concen: 45.288 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.8	9.0	13.6

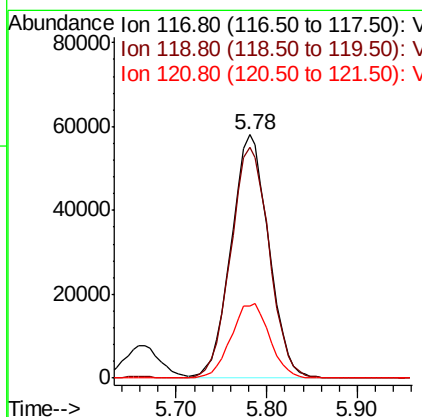
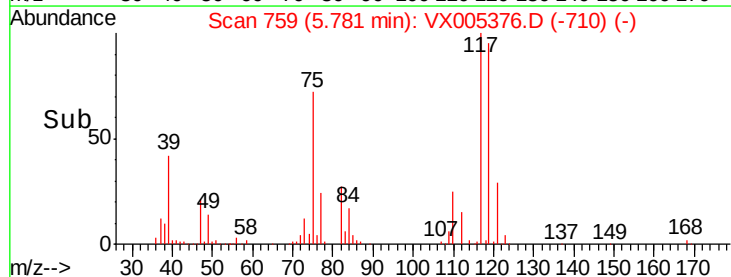
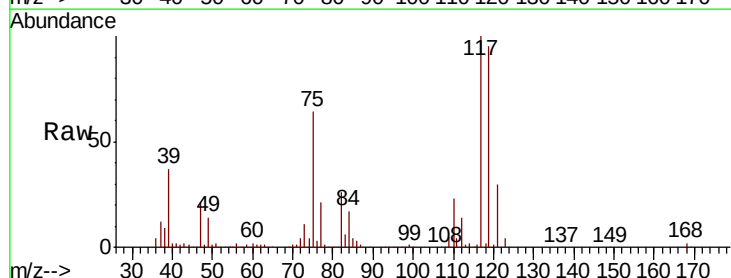
Manual Integrations
APPROVED

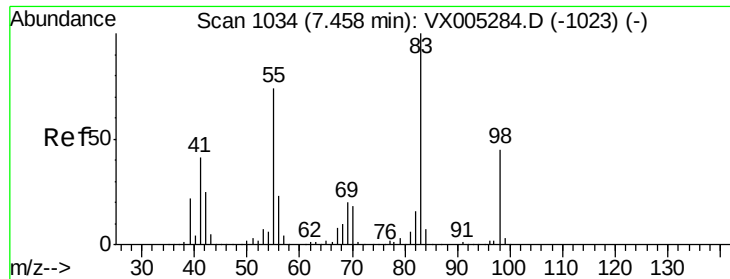
MMDadoda
10/17/2018 9:35:02 AM



#38
Carbon Tetrachloride
Concen: 46.682 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.8	118.2
121	29.6	24.9	37.3





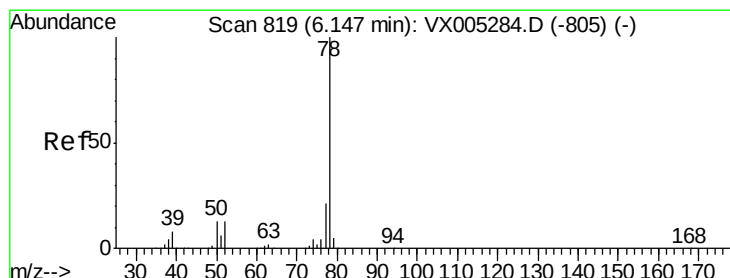
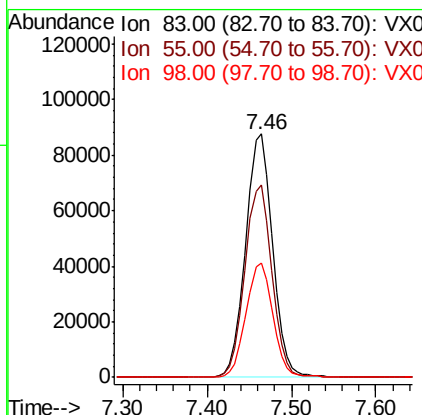
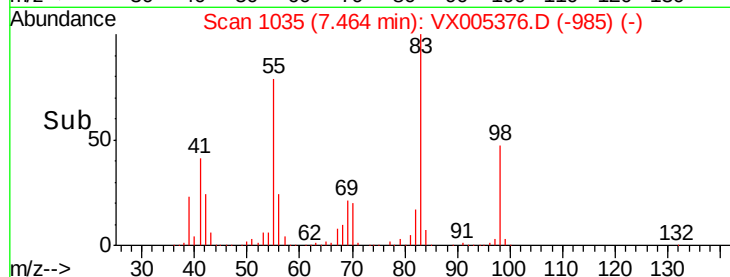
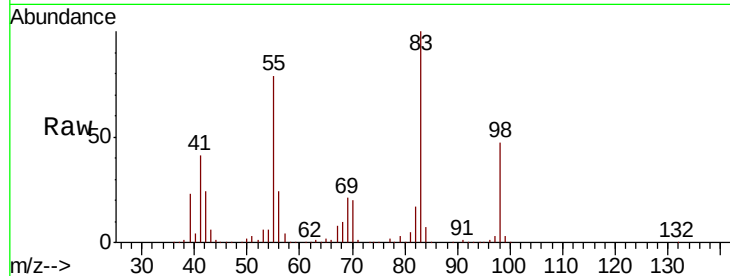
#39
Methylvlcyclohexane
Concen: 49.358 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189625		
55	79.0		61.0	91.4
98	46.9		39.6	59.4

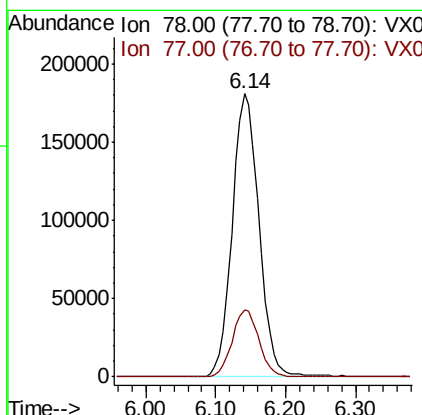
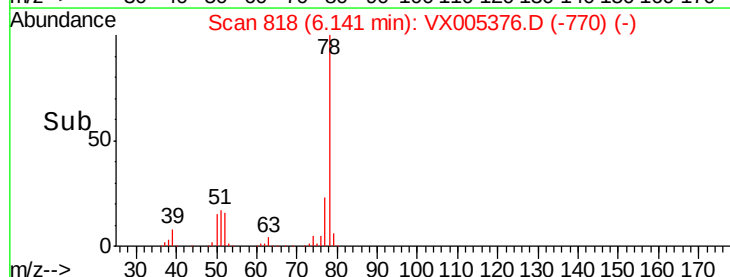
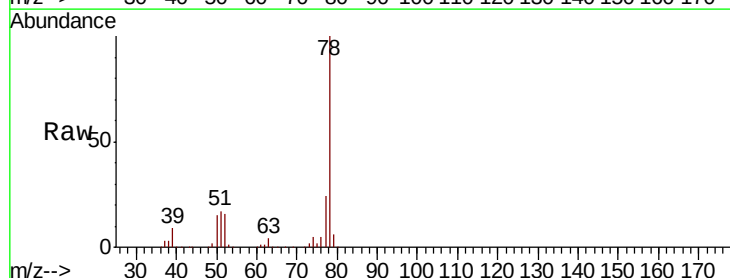
Manual Integrations
APPROVED

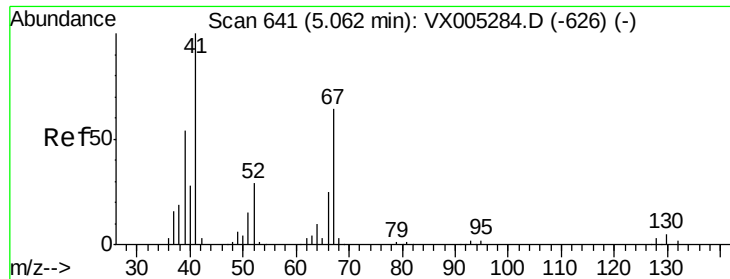
MMDadoda
10/17/2018 9:35:02 AM



#40
Benzene
Concen: 45.190 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	481213		
77	23.5		19.0	28.4





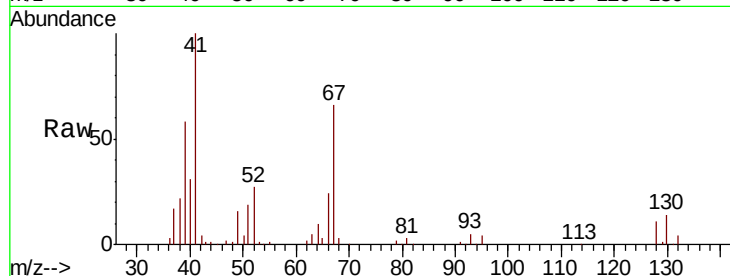
#41
Methacrylonitrile
Concen: 47.635 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.4	63.6	
67	68.6	59.2	88.8	
52	27.4	23.0	34.4	

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



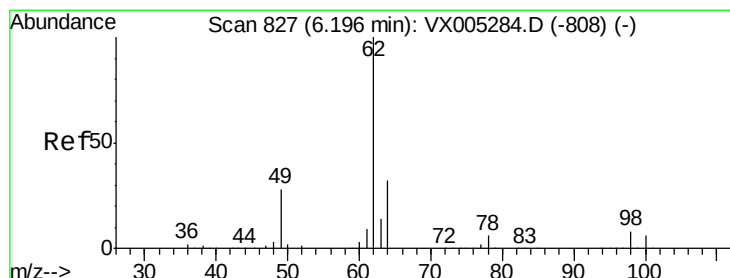
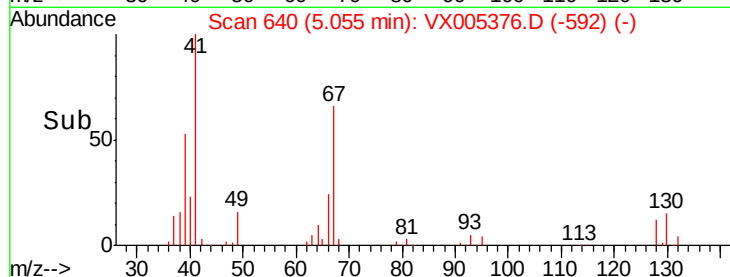
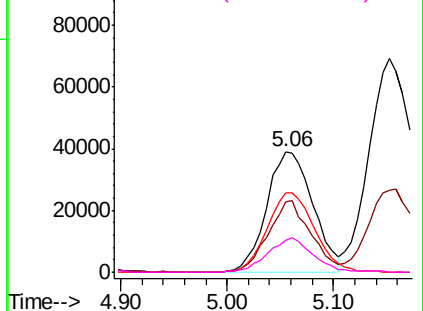
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

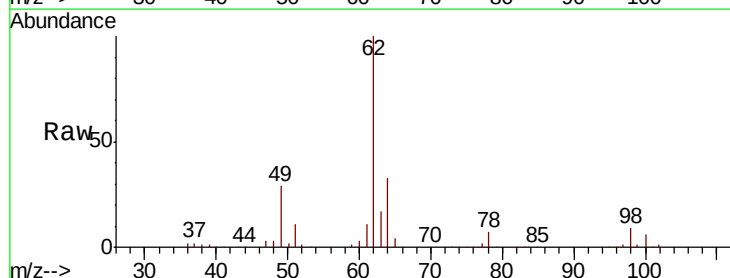
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 45.736 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

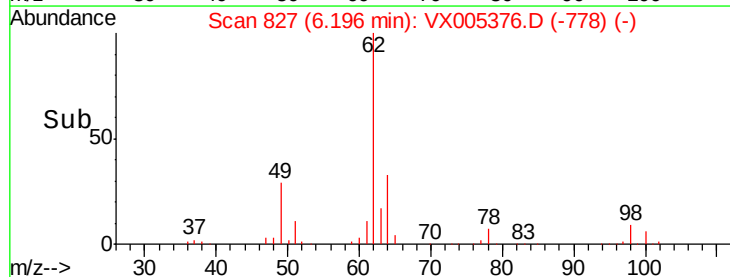
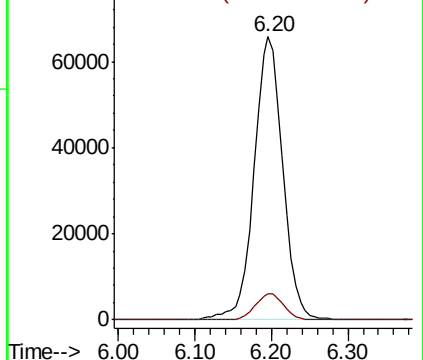
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.6	

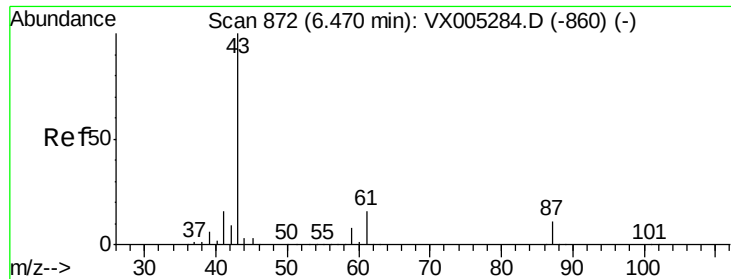


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

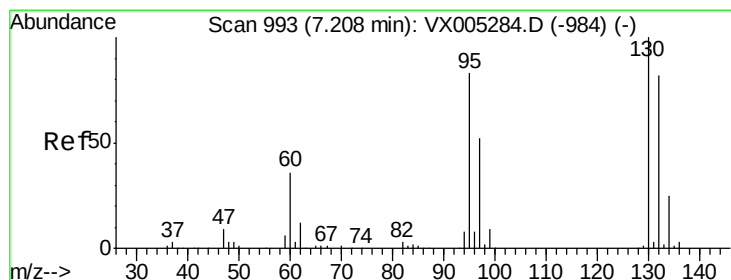
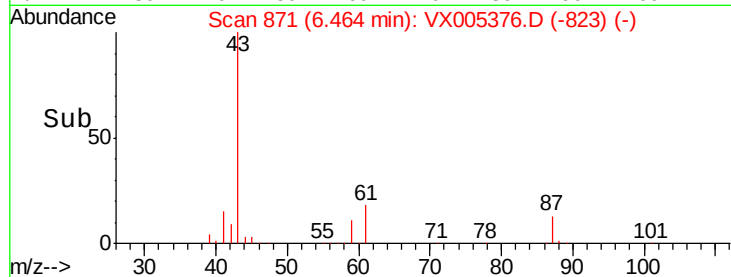
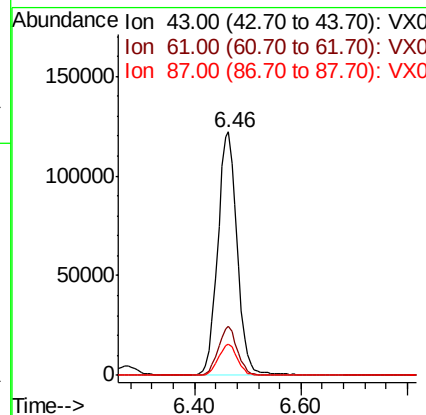
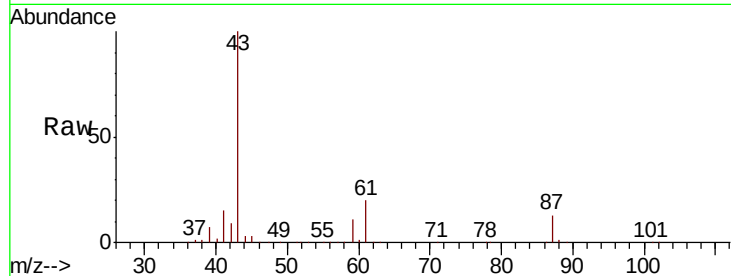
Isopropyl Acetate
 Concen: 50.826 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	17.0	25.4
87	12.7	11.4	17.2

Manual Integrations
 APPROVED

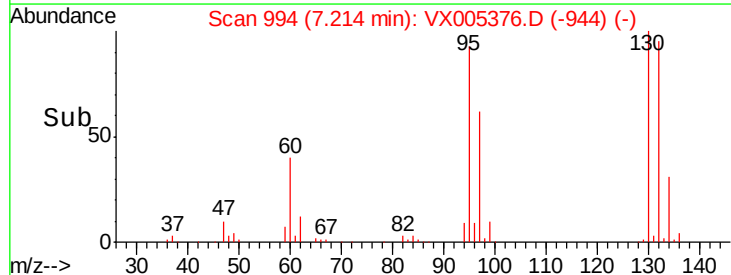
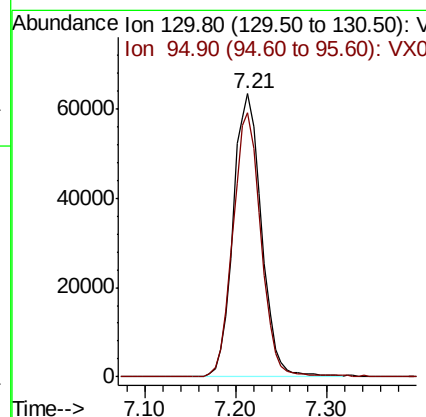
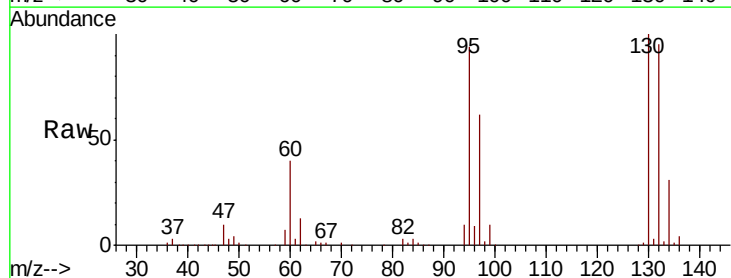
MMDadoda
 10/17/2018 9:35:02 AM

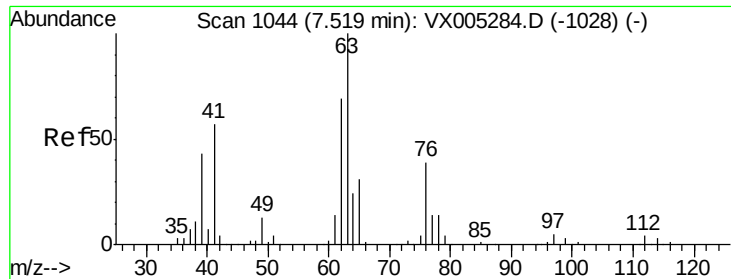


#44

Trichloroethene
 Concen: 50.483 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	181.6





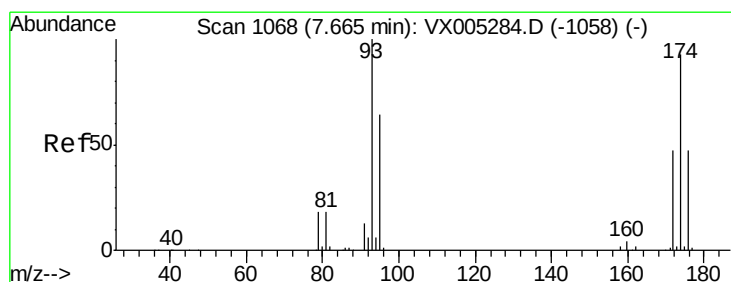
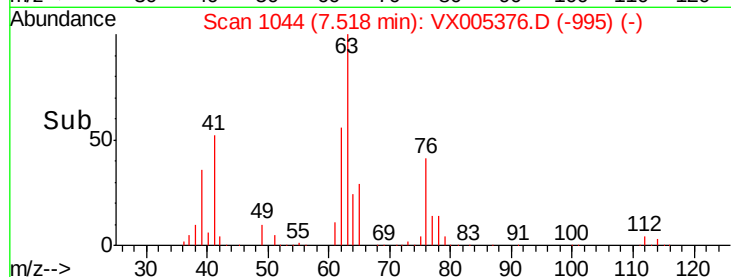
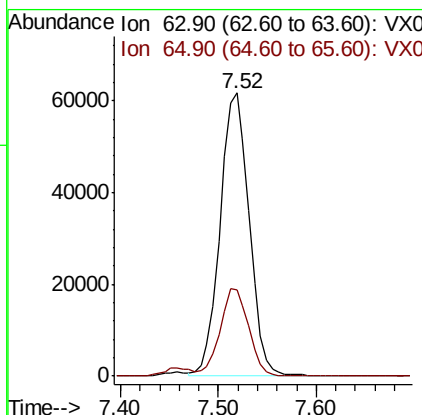
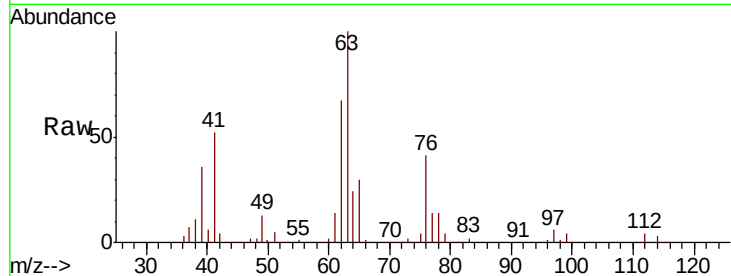
#45
 1,2-Dichloropropane
 Concen: 48.348 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 126289
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.3 36.5

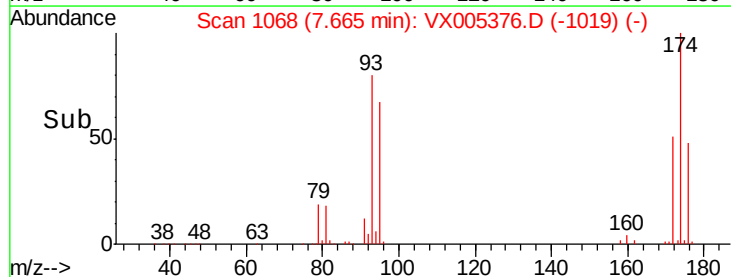
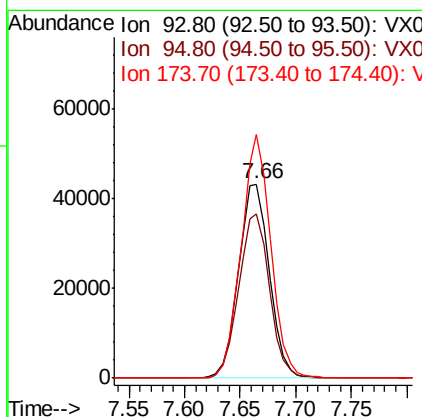
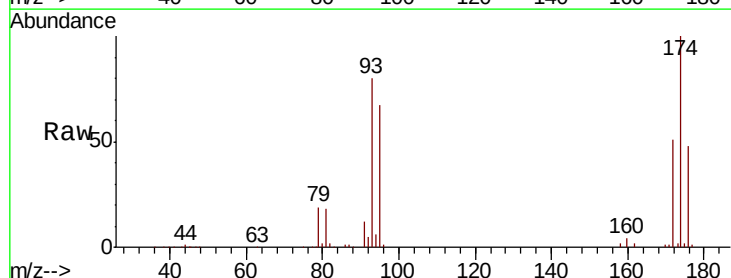
Manual Integrations
 APPROVED

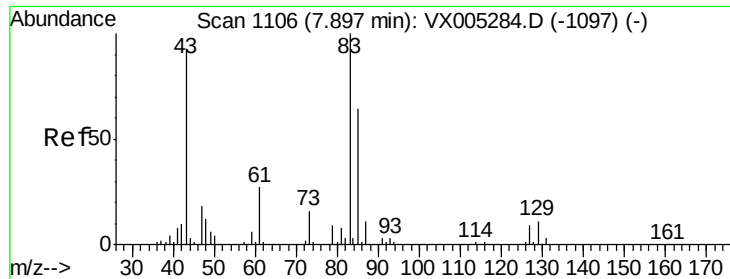
MMDadoda
 10/17/2018 9:35:02 AM



#46
 Dibromomethane
 Concen: 48.288 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion: 93 Resp: 83249
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.5 98.3
 174 120.5 94.2 141.4





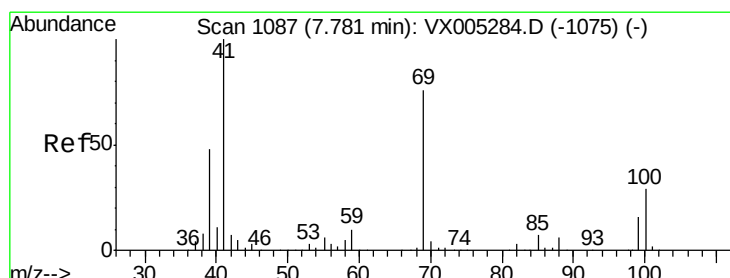
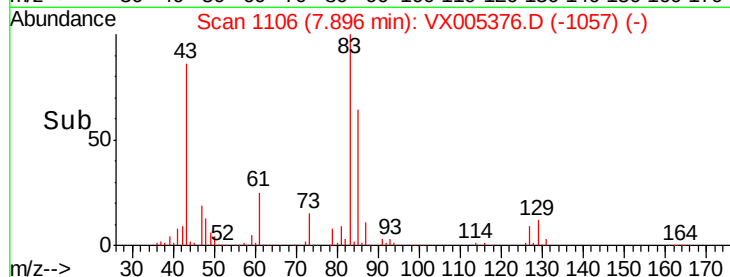
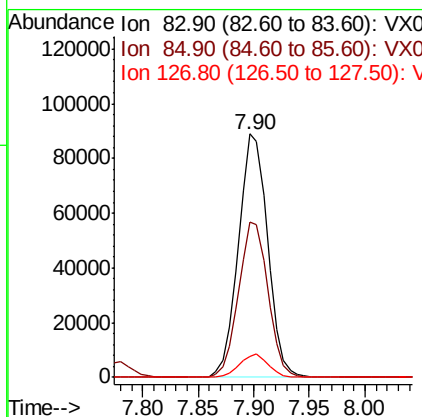
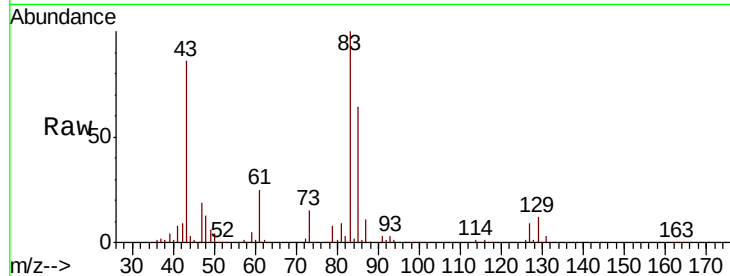
#47
Bromodichloromethane
Concen: 50.877 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	8.7	7.3	10.9

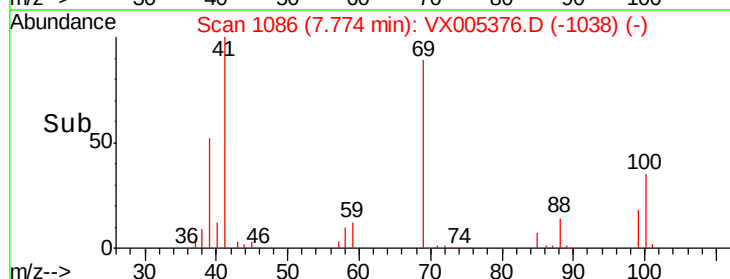
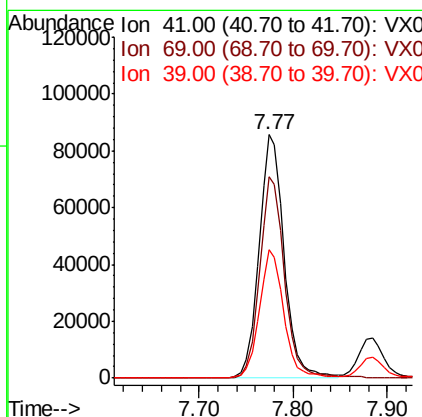
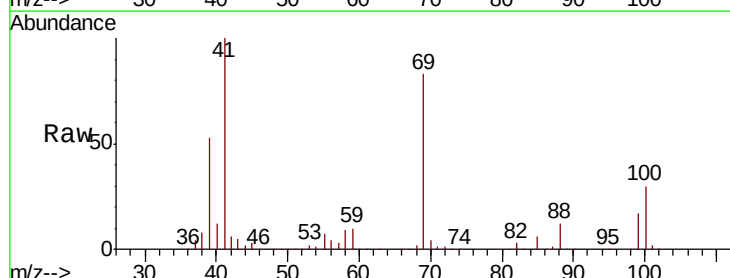
Manual Integrations
APPROVED

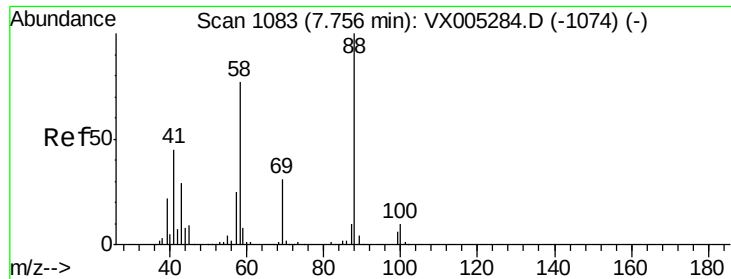
MMDadoda
10/17/2018 9:35:02 AM



#48
Methyl methacrylate
Concen: 50.806 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.1	70.2	105.4
39	51.5	42.7	64.1





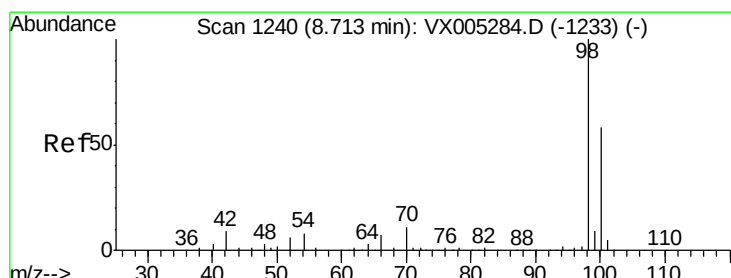
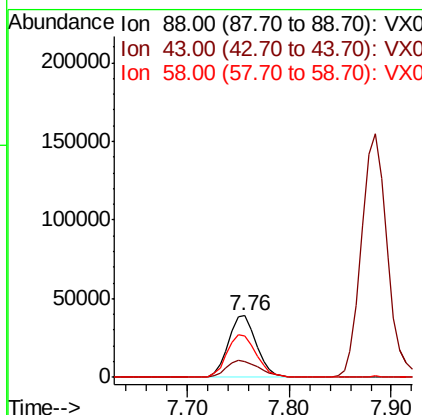
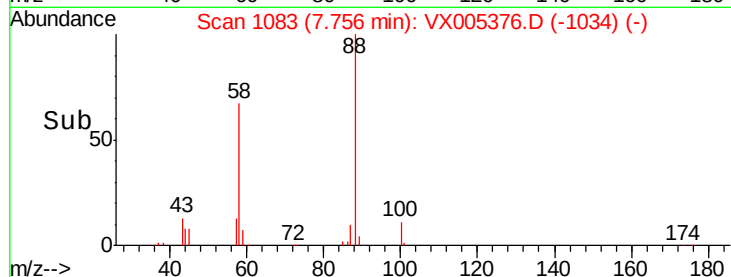
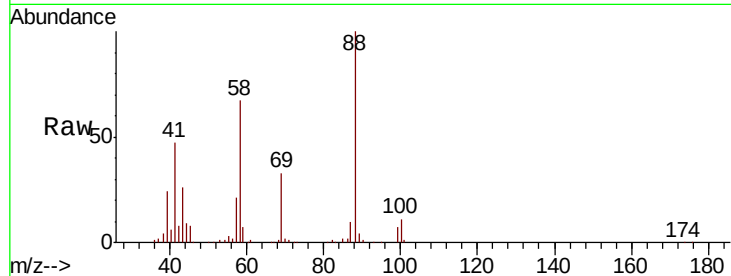
#49
1,4-Dioxane
Concen: 1035.042 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.7	37.1
58	71.7	55.3	82.9

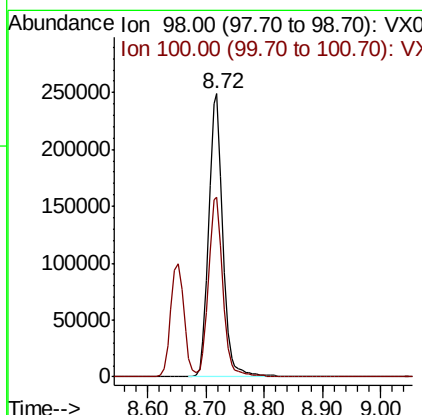
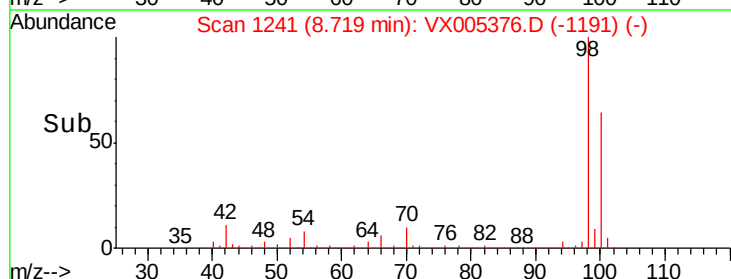
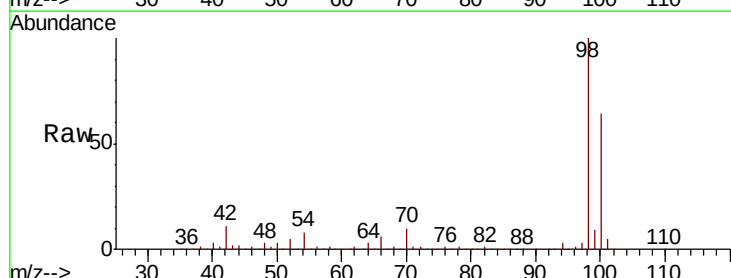
Manual Integrations
APPROVED

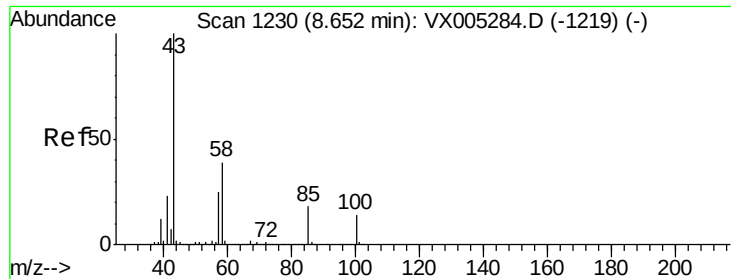
MMDadoda
10/17/2018 9:35:02 AM



#50
Toluene-d8
Concen: 50.597 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





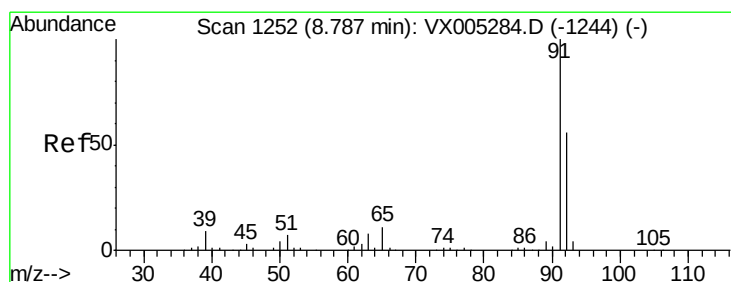
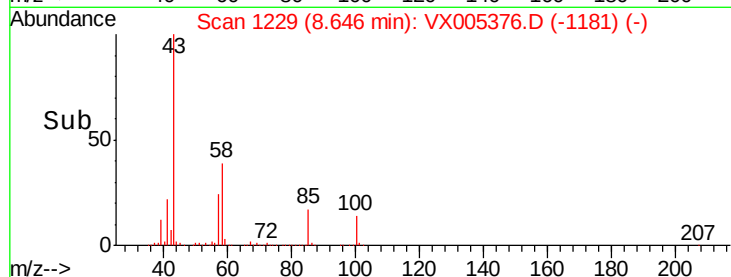
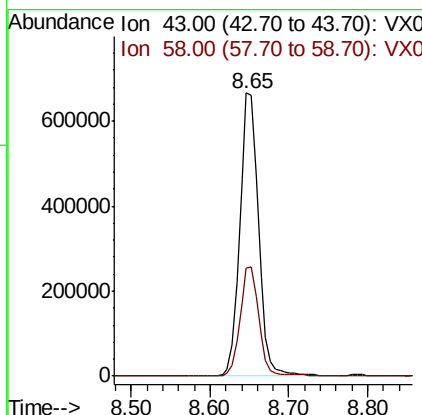
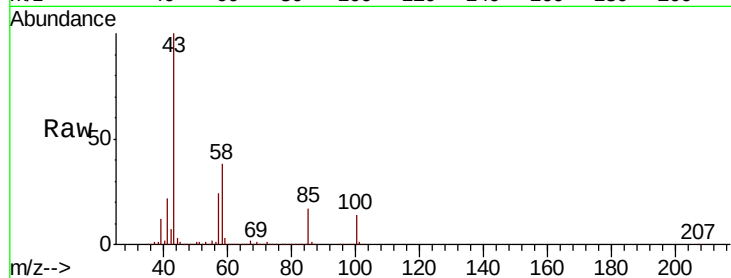
#51
4-Methyl-2-Pentanone
Concen: 261.374 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1100555
Ion Ratio Lower Upper
43 100
58 38.2 33.1 49.7

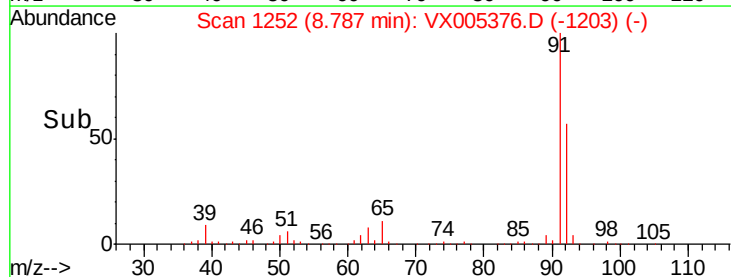
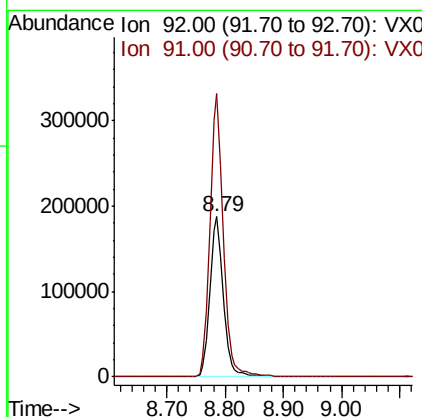
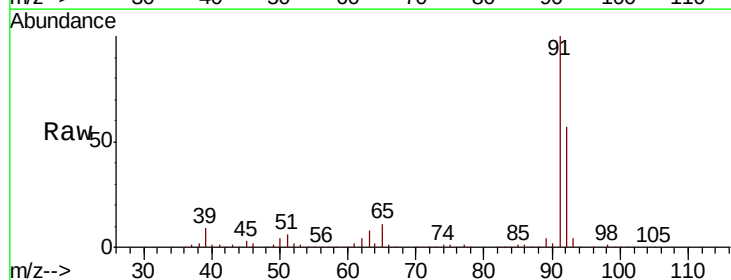
Manual Integrations
APPROVED

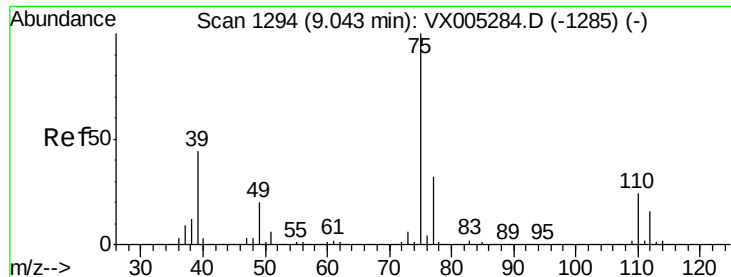
MMDadoda
10/17/2018 9:35:02 AM



#52
Toluene
Concen: 52.148 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 92 Resp: 303798
Ion Ratio Lower Upper
92 100
91 175.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 53.371 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 184187

Ion Ratio Lower Upper

75 100

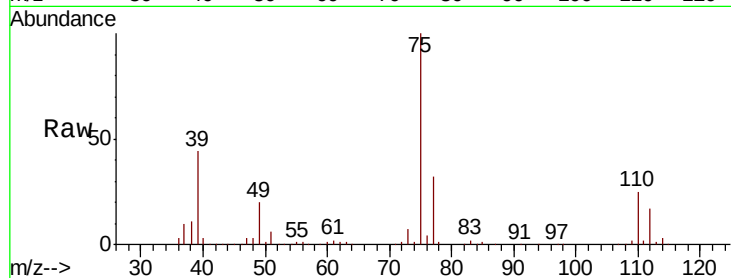
77 31.9 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

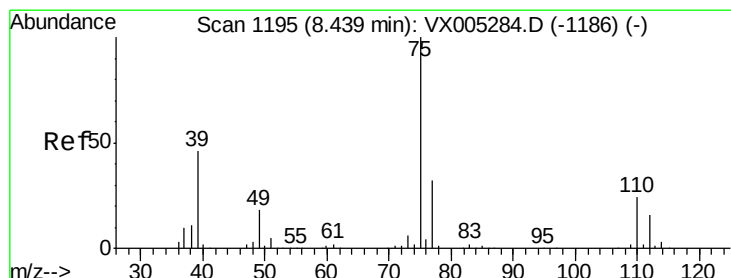
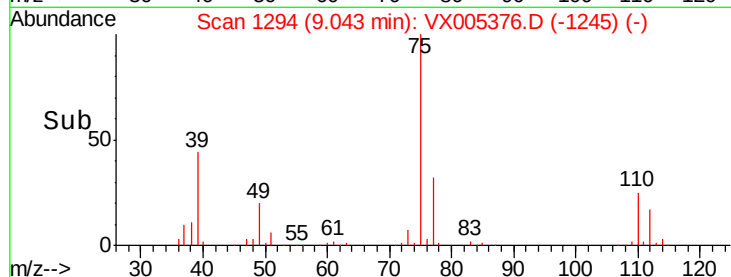
100000

50000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.042 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

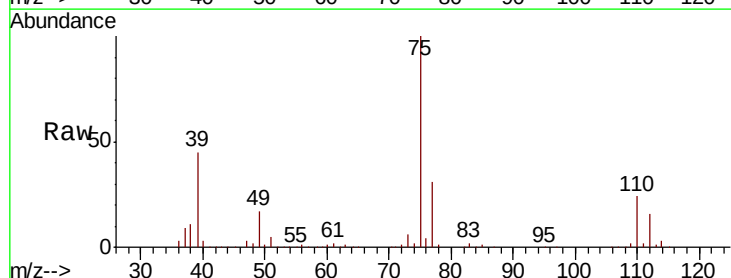
Tgt Ion: 75 Resp: 198343

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

39 45.3 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

150000

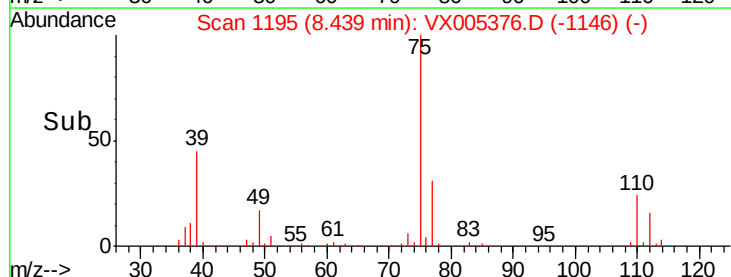
100000

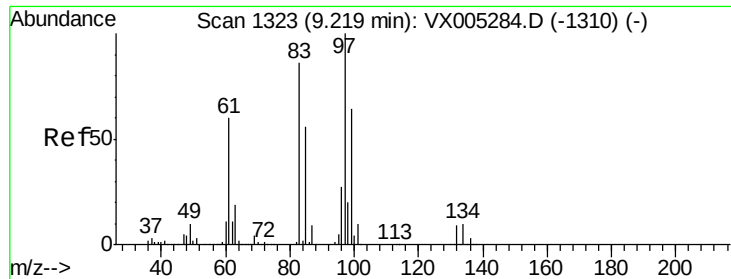
50000

0

8.40 8.50 8.60

Time-->





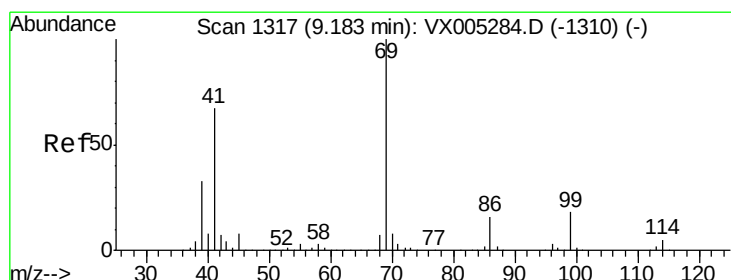
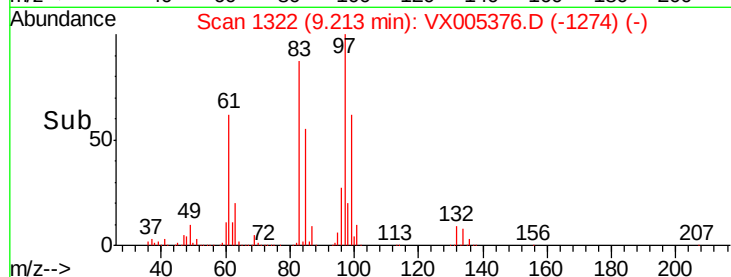
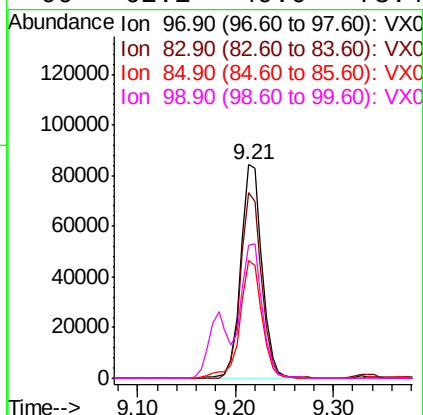
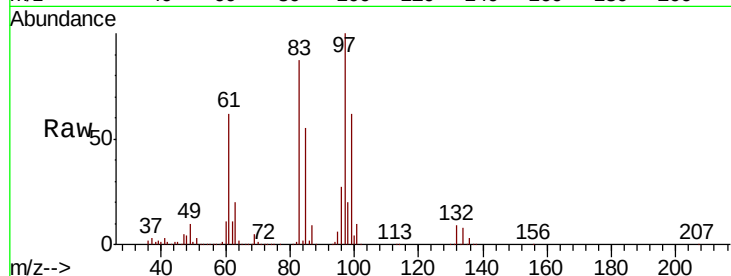
#55
 1,1,2-Trichloroethane
 Concen: 51.564 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	127234
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.4	99.6
85	54.9	43.3	64.9
99	62.1	49.0	73.4

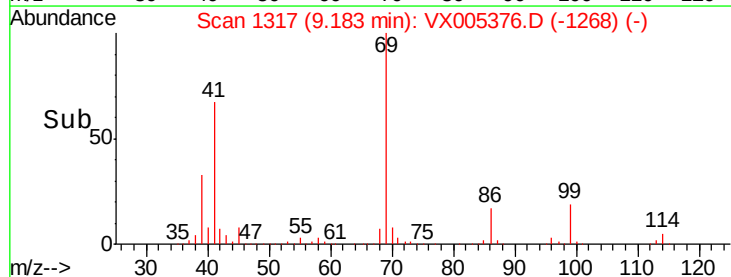
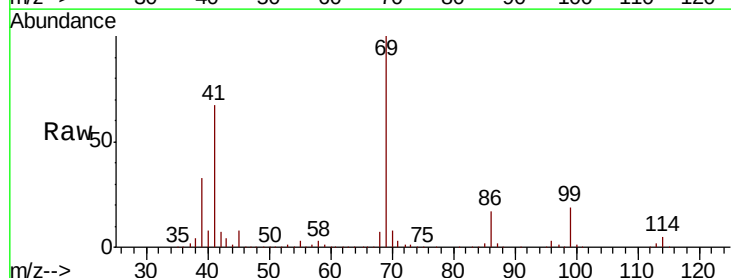
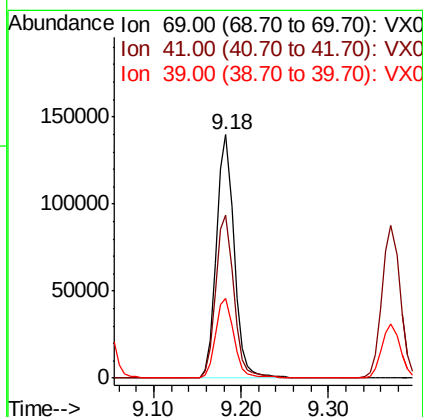
Manual Integrations
 APPROVED

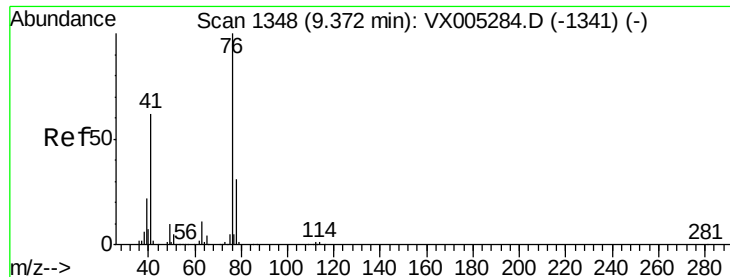
MMDadoda
 10/17/2018 9:35:02 AM



#56
 Ethyl methacrylate
 Concen: 54.649 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	69	Resp	196580
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.0	76.4
39	33.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 51.366 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 211550

Ion Ratio Lower Upper

76 100

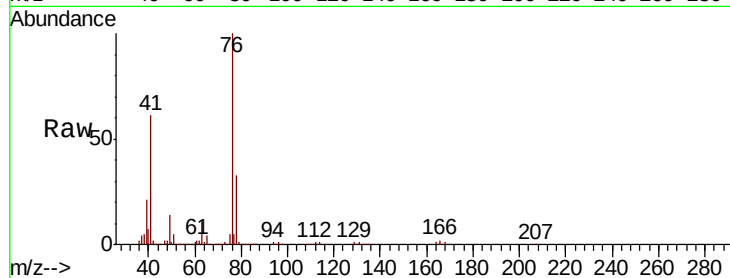
78 32.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

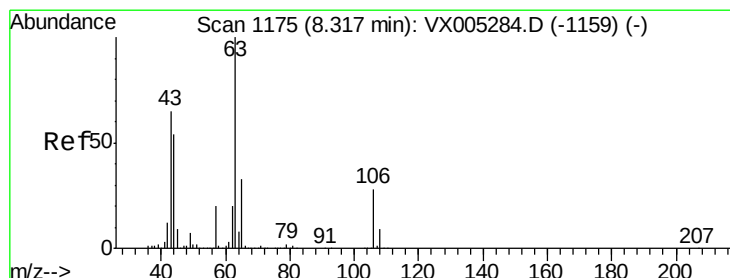
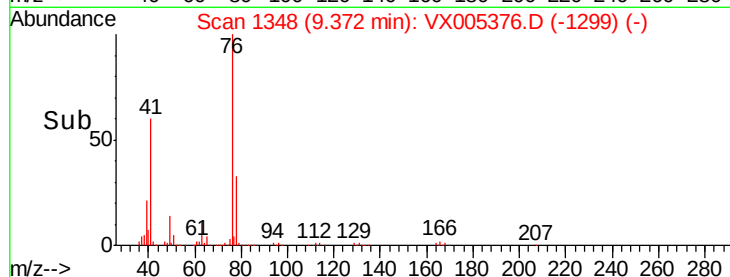
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.511 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005376.D

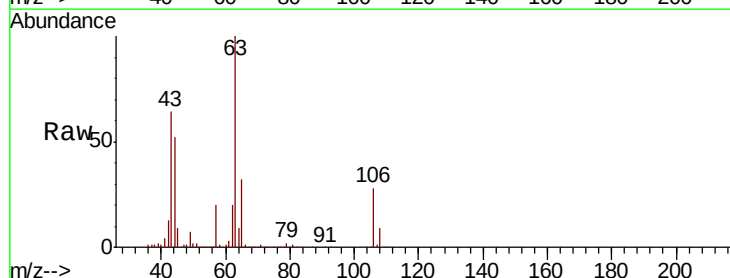
Acq: 16 Oct 2018 18:40

Tgt Ion: 63 Resp: 547735

Ion Ratio Lower Upper

63 100

106 27.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

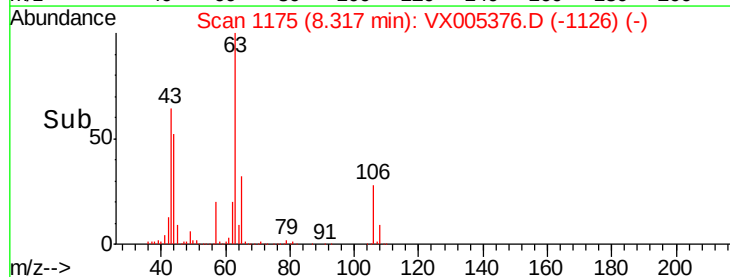
300000

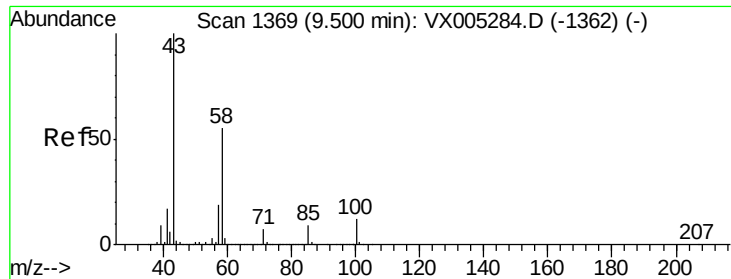
200000

100000

0

Time-->





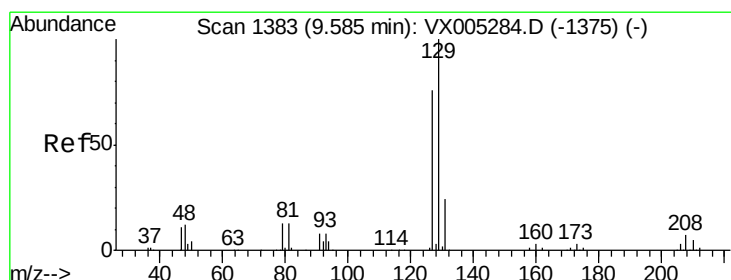
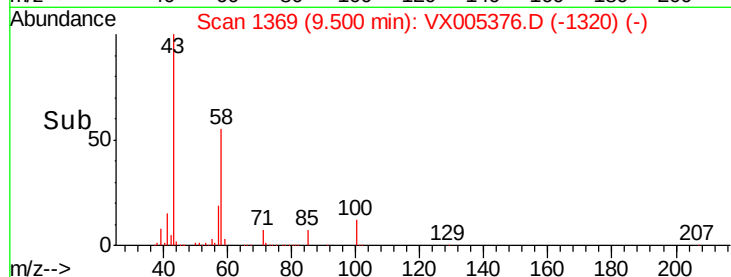
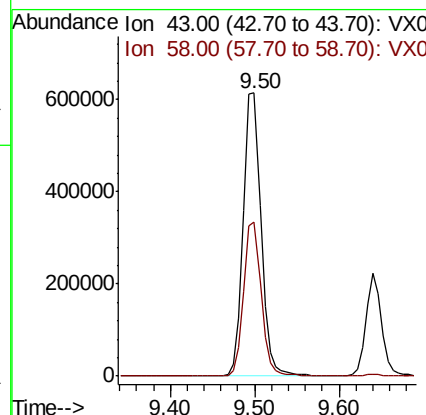
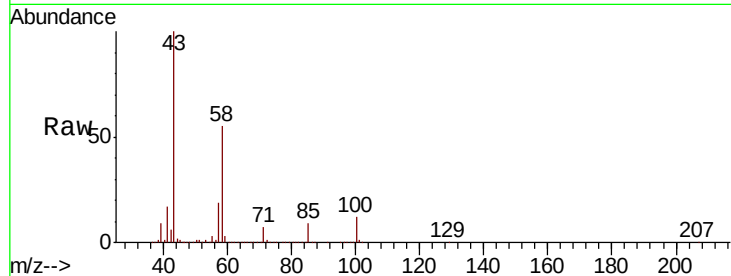
#59
2-Hexanone
Concen: 257.393 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 871808
Ion Ratio Lower Upper
43 100
58 53.8 29.0 87.0

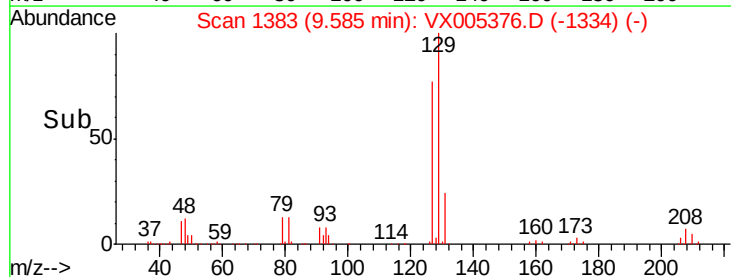
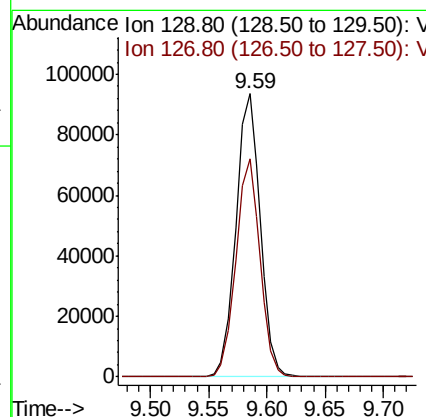
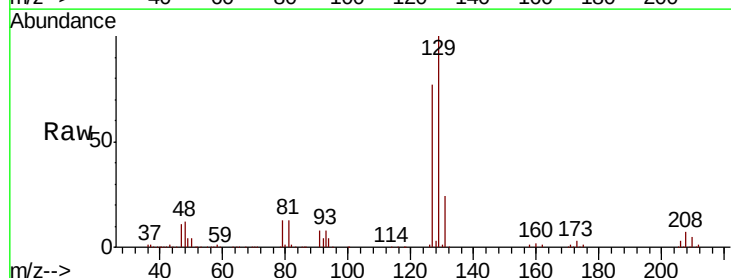
Manual Integrations
APPROVED

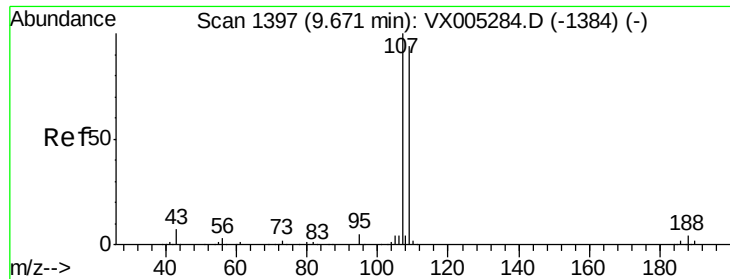
MMDadoda
10/17/2018 9:35:02 AM



#60
Dibromochloromethane
Concen: 53.353 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 129 Resp: 136081
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.640 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 133726

Ion Ratio Lower Upper

107 100

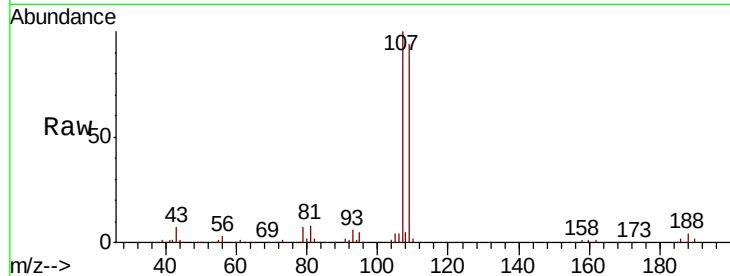
109 94.5 76.0 114.0

Manual Integrations

APPROVED

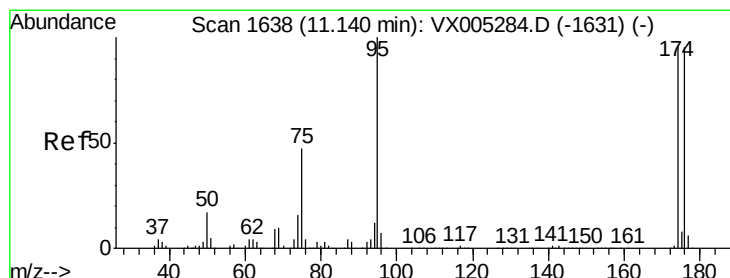
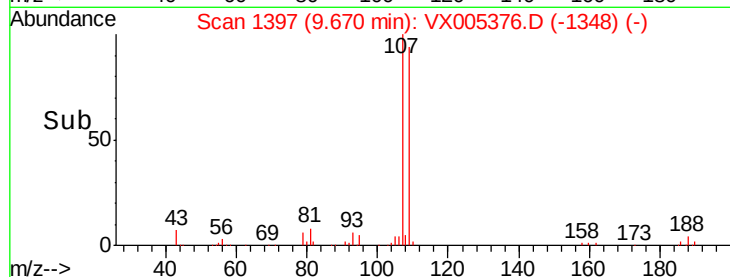
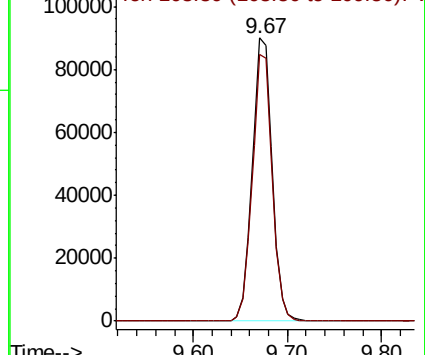
MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.524 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

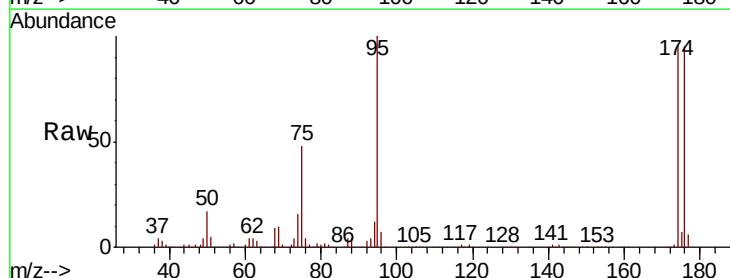
Tgt Ion: 95 Resp: 158181

Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.2

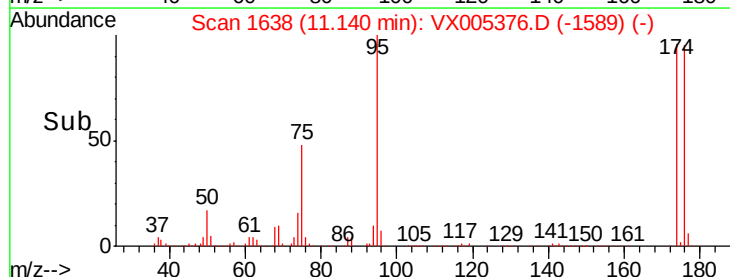
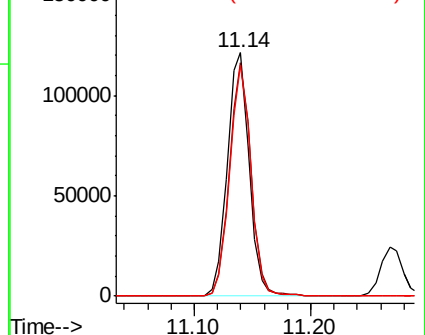
176 92.1 0.0 178.6

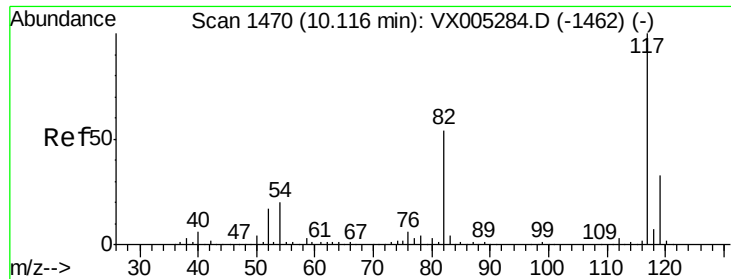


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





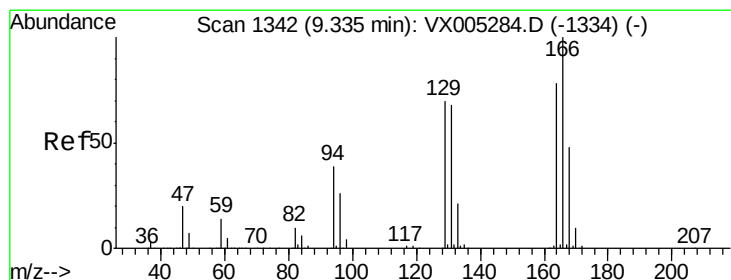
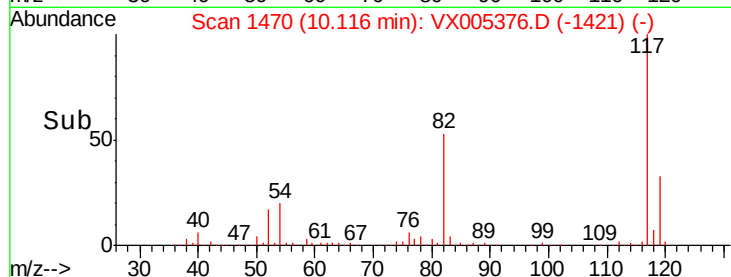
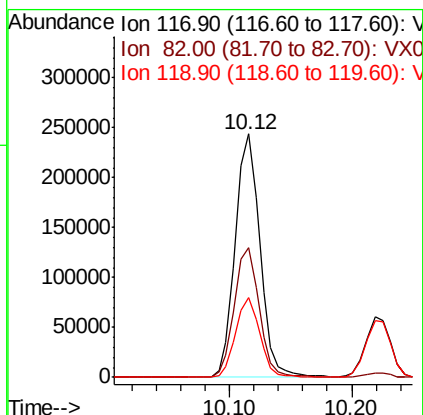
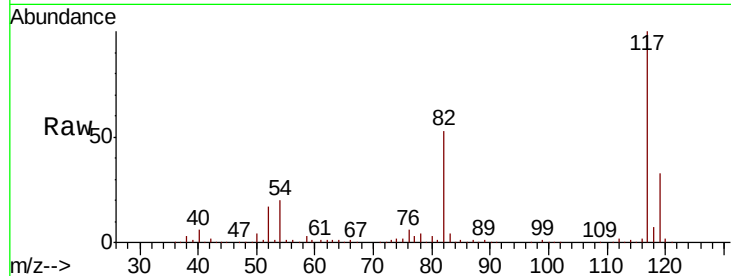
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	47.8	71.6
119	32.5	29.3	43.9

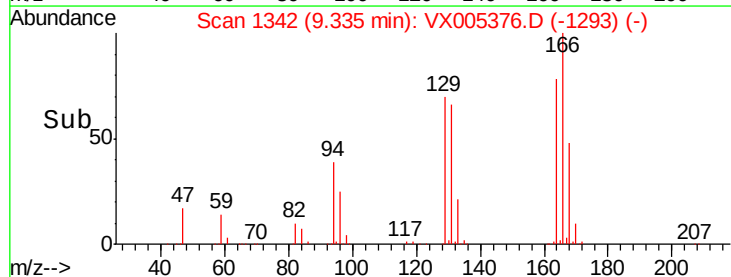
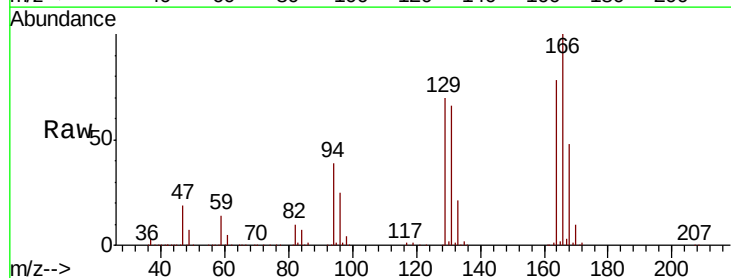
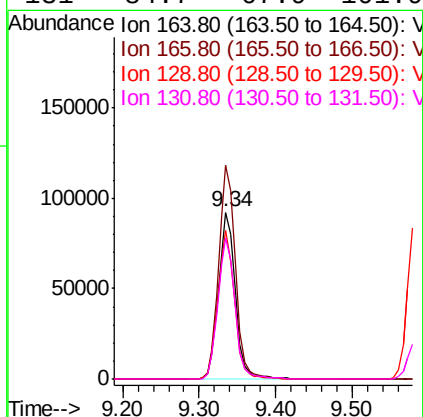
Manual Integrations
APPROVED

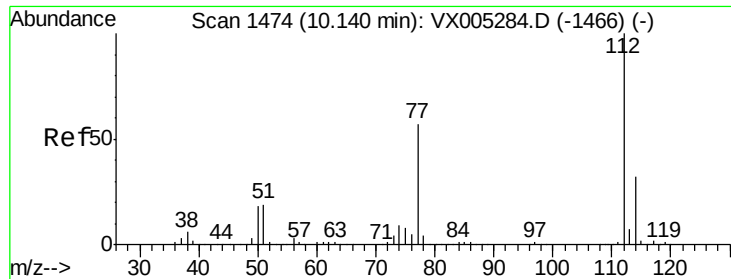
MMDadoda
10/17/2018 9:35:02 AM



#64
Tetrachloroethene
Concen: 50.894 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.8	154.2
129	89.1	69.4	104.0
131	84.7	67.9	101.9





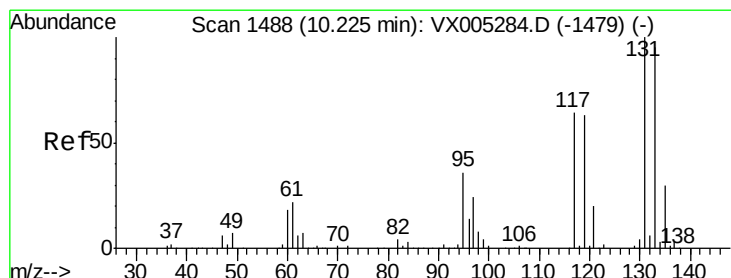
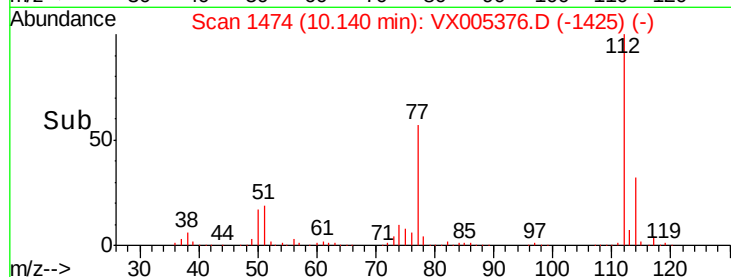
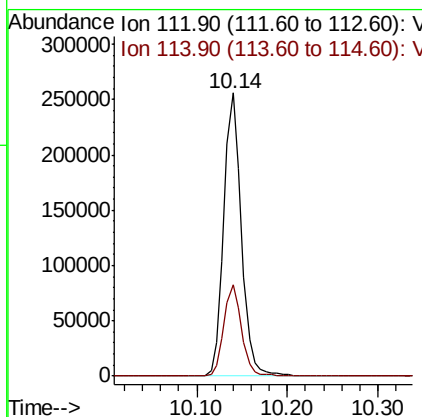
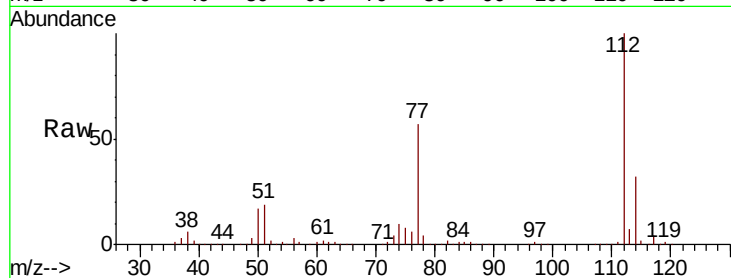
#65
Chlorobenzene
Concen: 47.887 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 347729
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

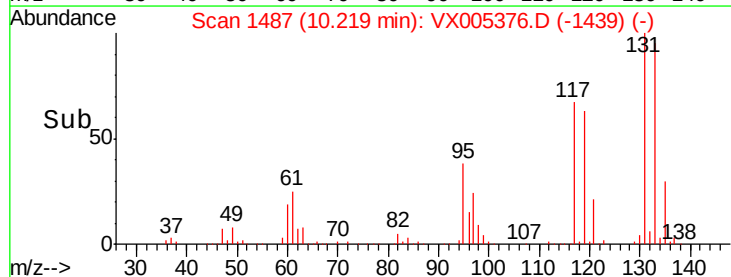
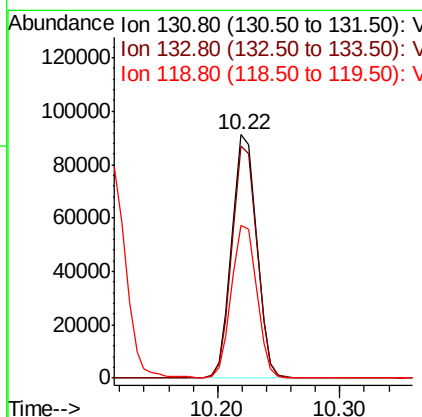
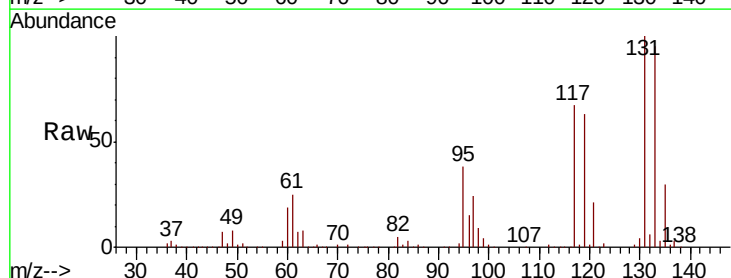
Manual Integrations
APPROVED

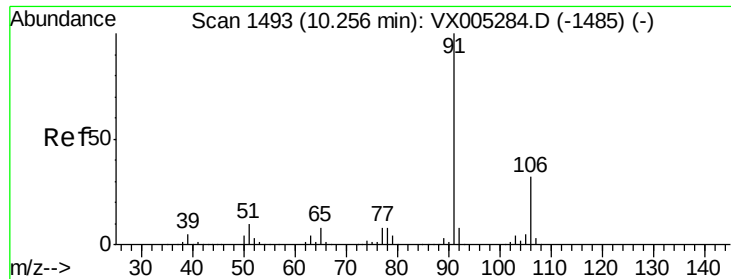
MMDadoda
10/17/2018 9:35:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.682 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:131 Resp: 128563
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 64.2 32.9 98.6





#67

Ethyl Benzene

Concen: 50.241 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 593079

Ion Ratio Lower Upper

91 100

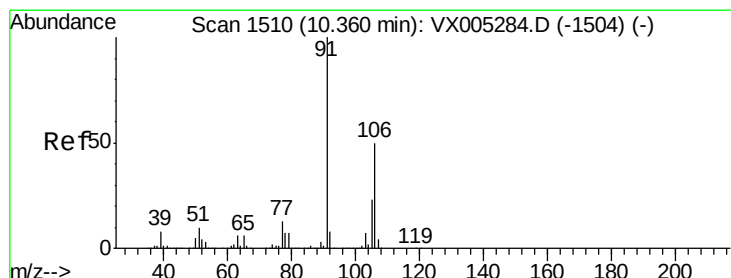
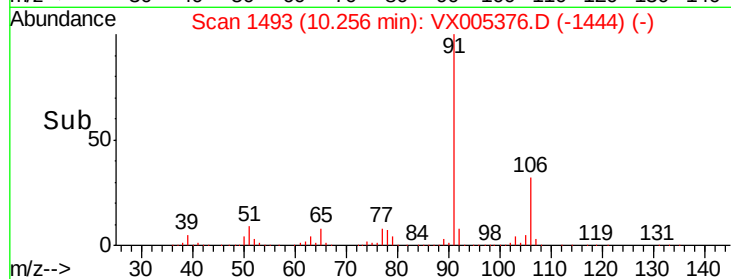
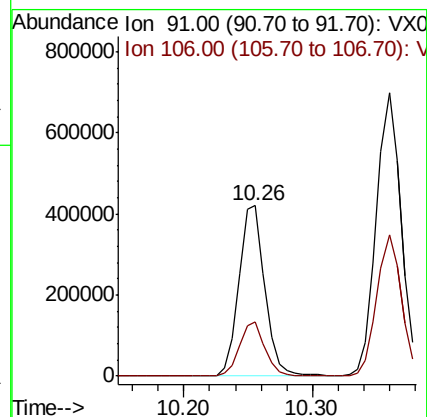
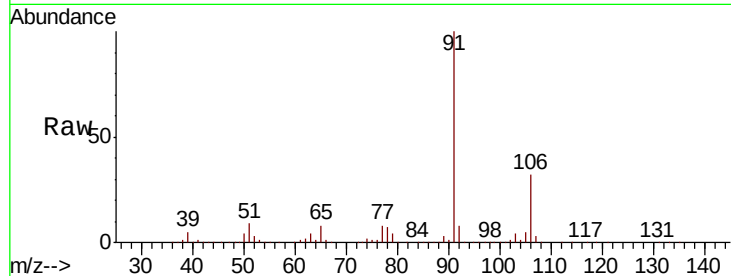
106 31.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#68

m/p-Xylenes

Concen: 101.648 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005376.D

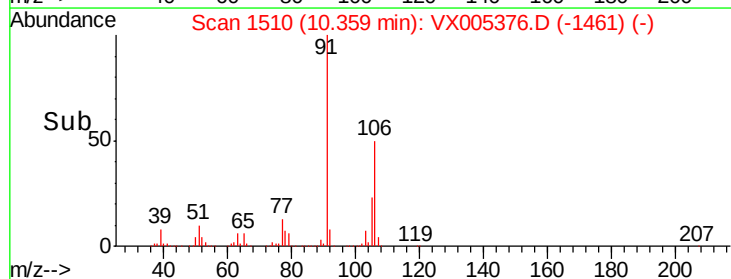
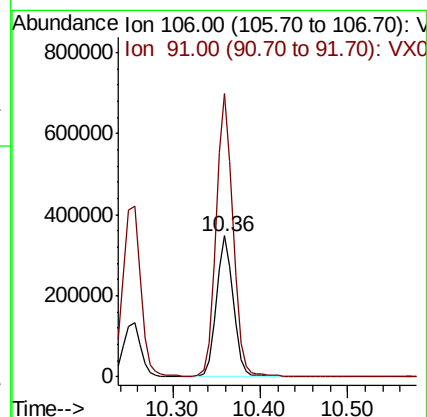
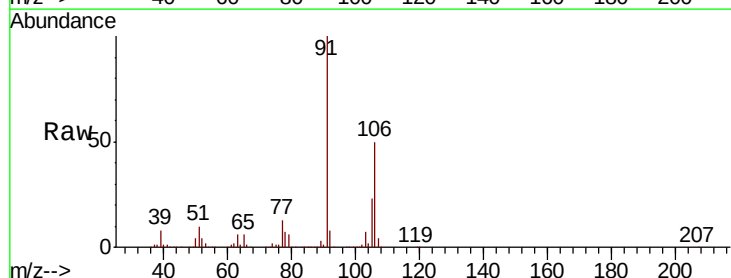
Acq: 16 Oct 2018 18:40

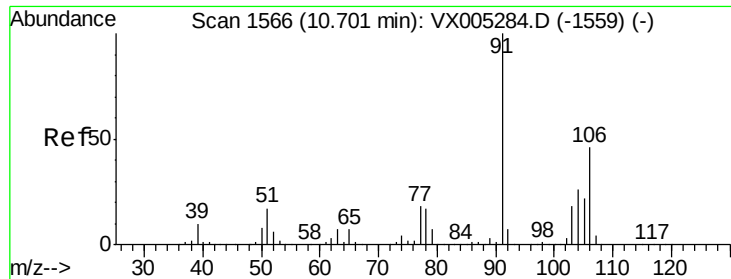
Tgt Ion: 106 Resp: 465734

Ion Ratio Lower Upper

106 100

91 201.8 157.1 235.7





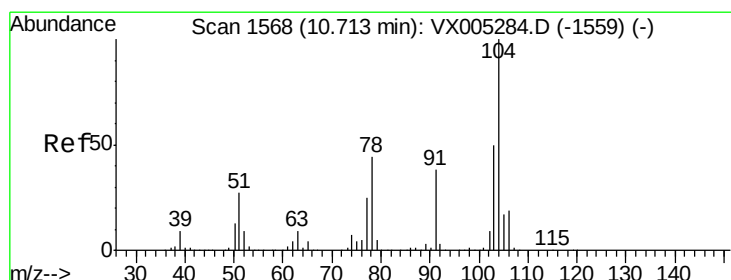
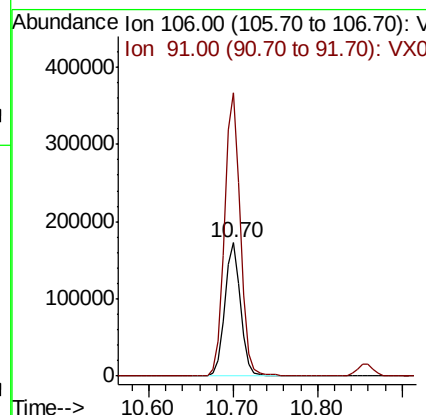
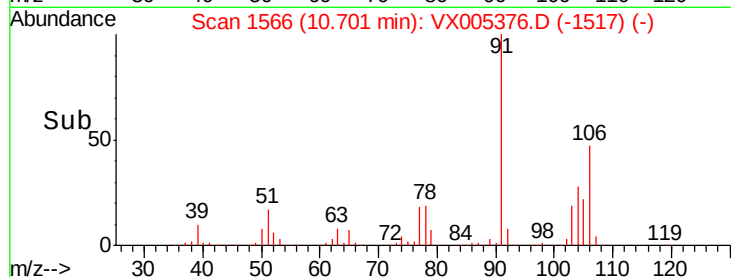
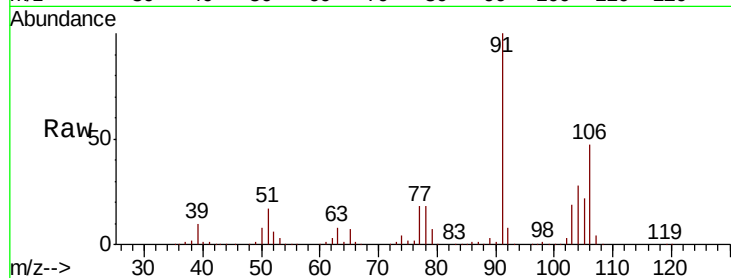
#69
o-Xylene
Concen: 50.453 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 222944
Ion Ratio Lower Upper
106 100
91 214.9 105.1 315.1

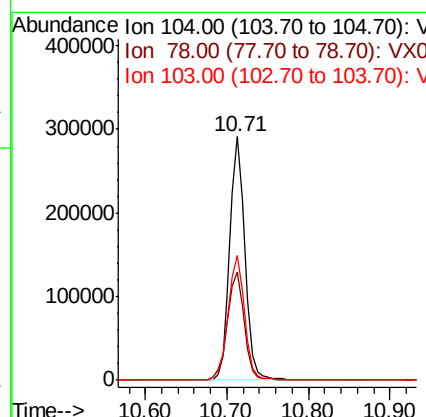
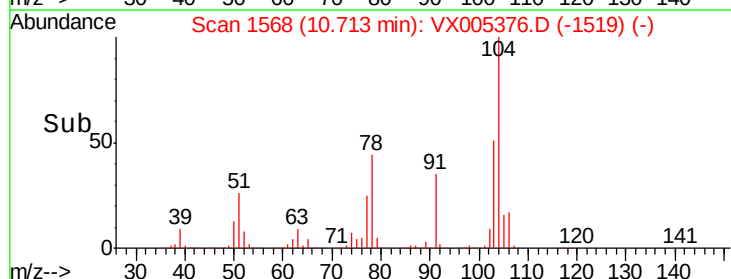
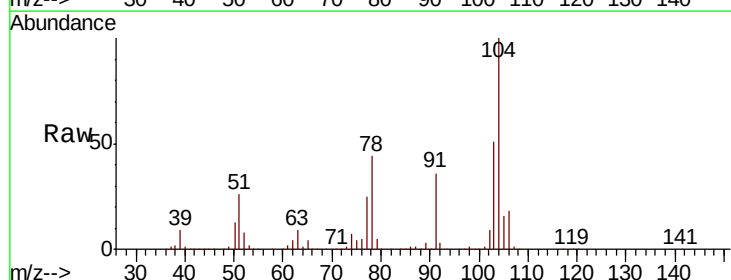
Manual Integrations
APPROVED

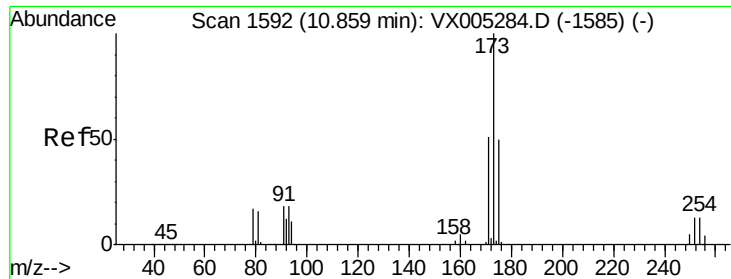
MMDadoda
10/17/2018 9:35:02 AM



#70
Styrene
Concen: 51.702 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion:104 Resp: 375781
Ion Ratio Lower Upper
104 100
78 49.5 37.4 56.0
103 55.6 43.8 65.6





#71

Bromoform

Concen: 50.131 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 115925

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.3

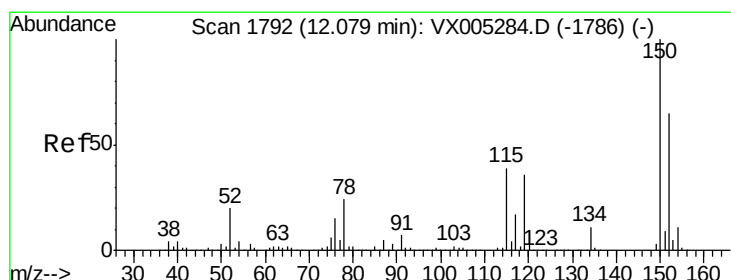
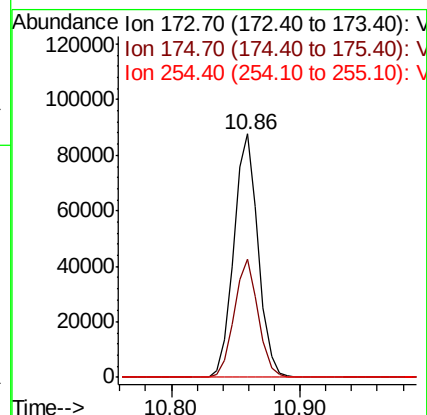
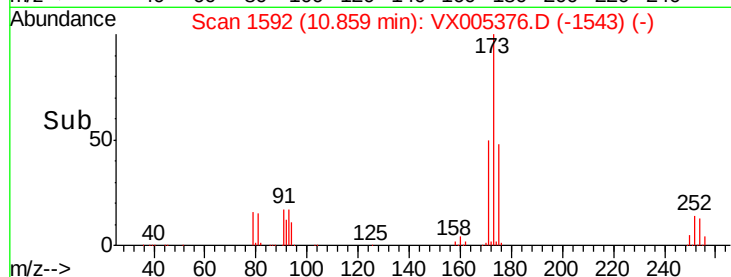
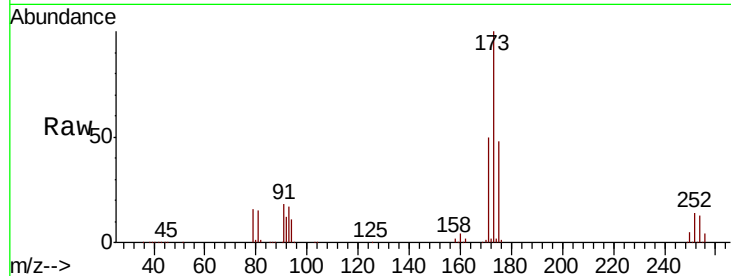
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

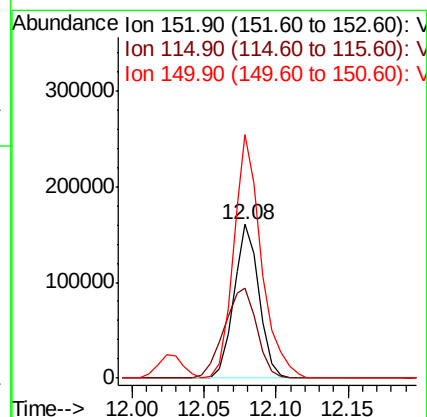
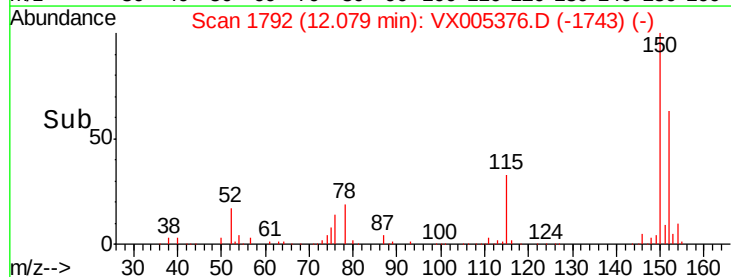
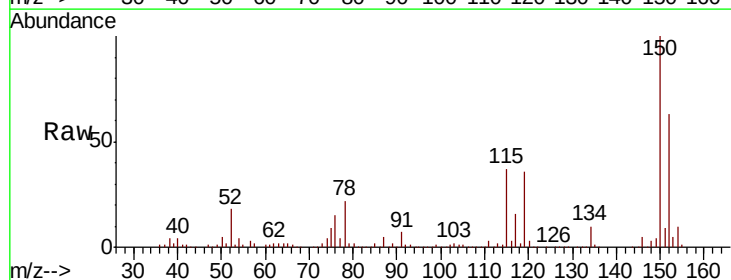
Tgt Ion:152 Resp: 196046

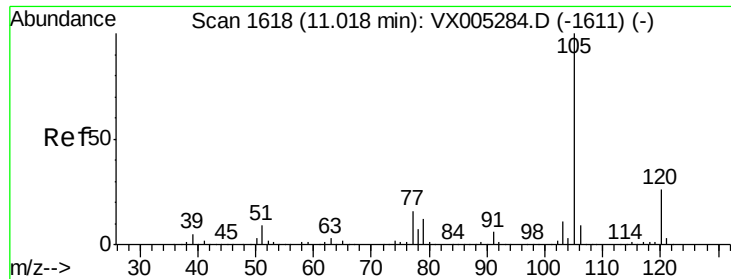
Ion Ratio Lower Upper

152 100

115 76.3 39.0 117.0

150 173.2 0.0 351.0





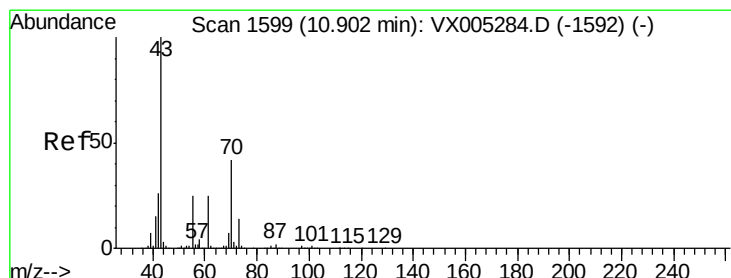
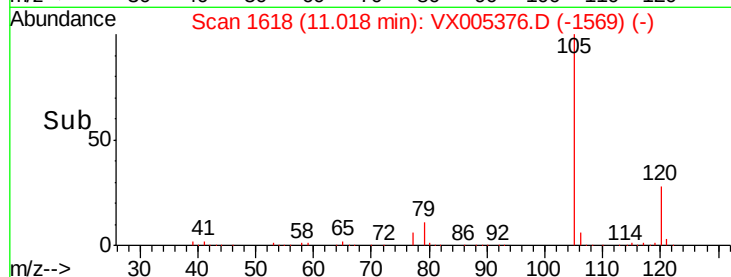
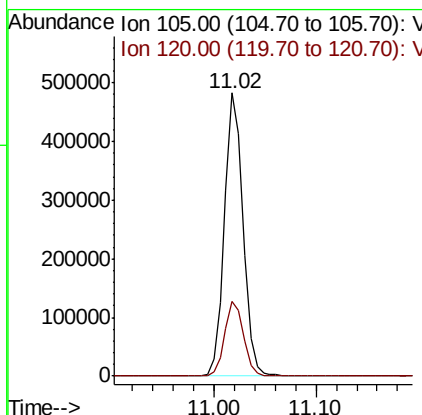
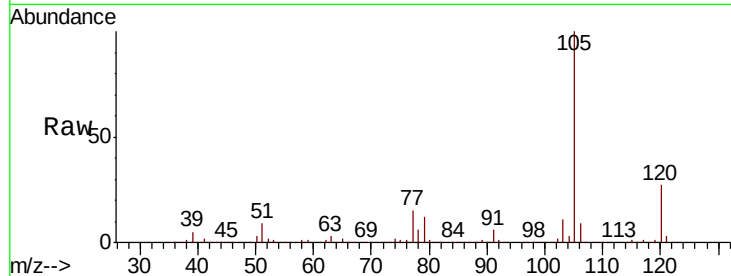
#73
Isopropylbenzene
Concen: 52.614 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 613184
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

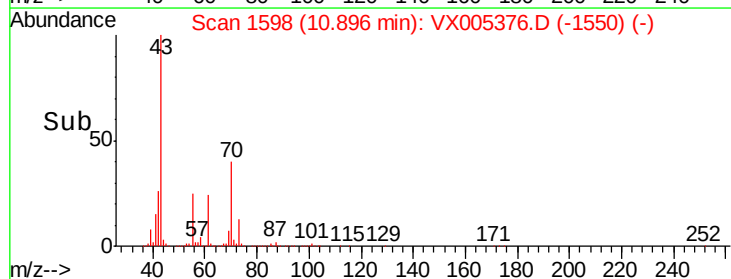
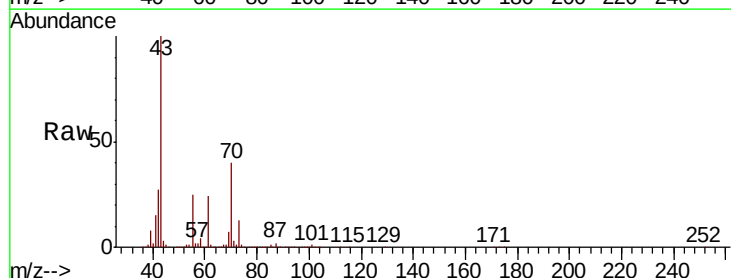
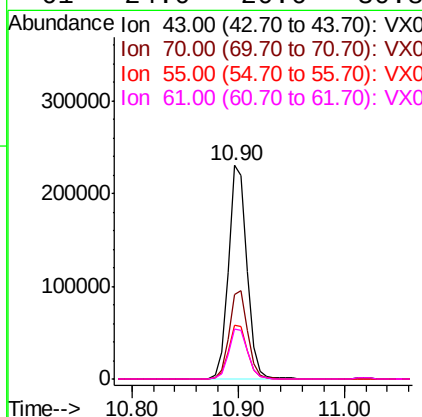
Manual Integrations
APPROVED

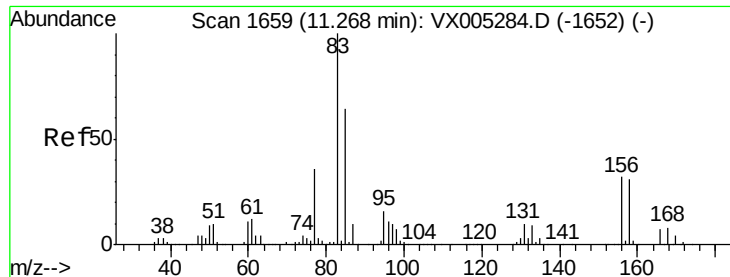
MMDadoda
10/17/2018 9:35:02 AM



#74
N-ethyl acetate
Concen: 50.075 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion: 43 Resp: 281474
Ion Ratio Lower Upper
43 100
70 41.7 37.4 56.0
55 25.7 21.8 32.8
61 24.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

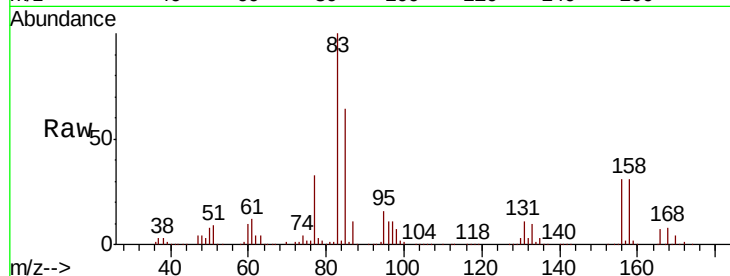
ClientSampleId :

VSTDCCC050EC

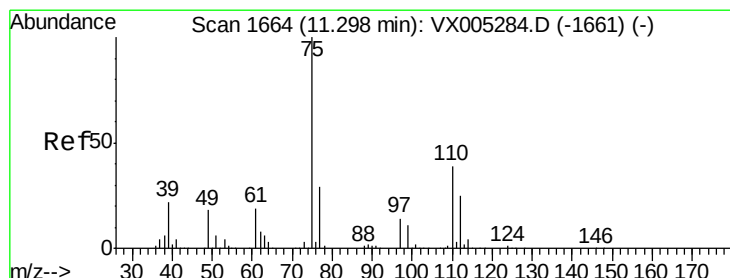
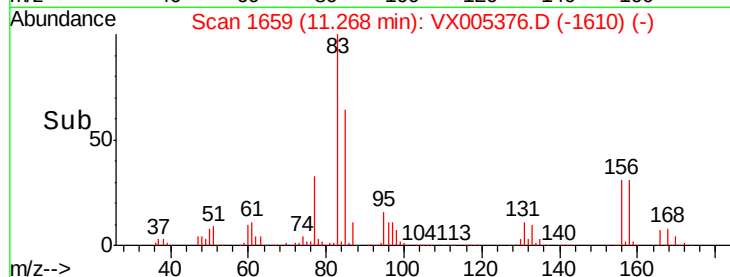
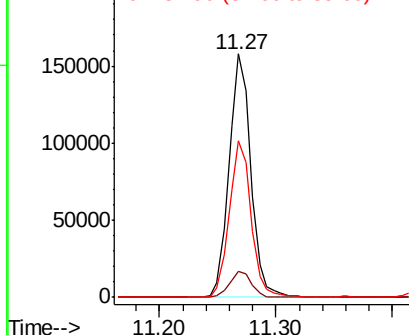
Tot Ion:	83	Resp:	205505
Ion Ratio		Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.258 ug/l m

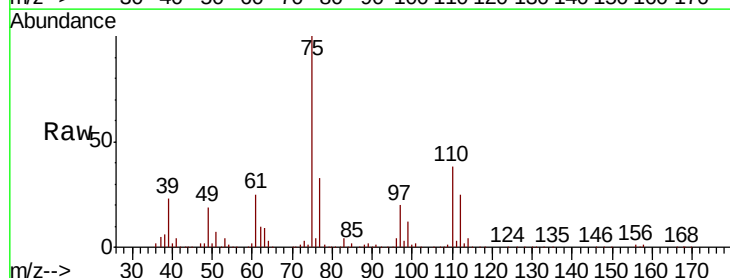
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

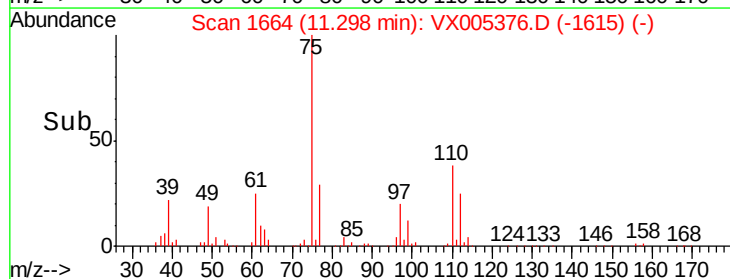
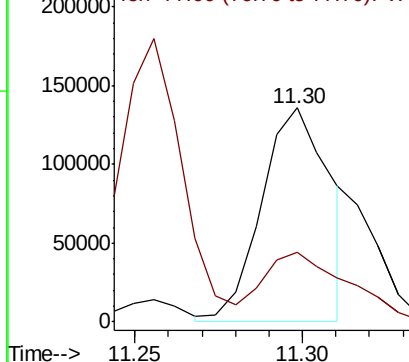
Lab File: VX005376.D

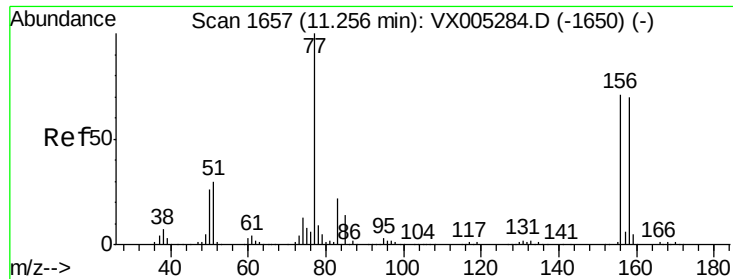
Acq: 16 Oct 2018 18:40

Tgt Ion:	75	Resp:	194921
Ion Ratio		Lower	Upper
75	100		
77	40.4	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.551 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

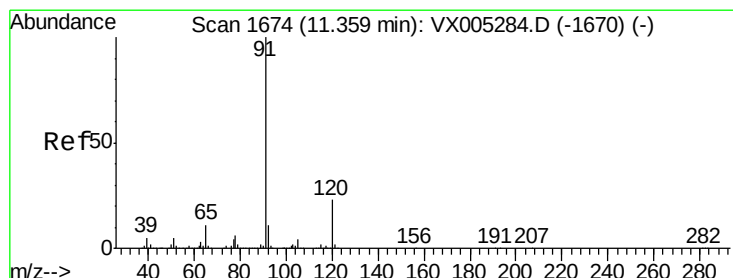
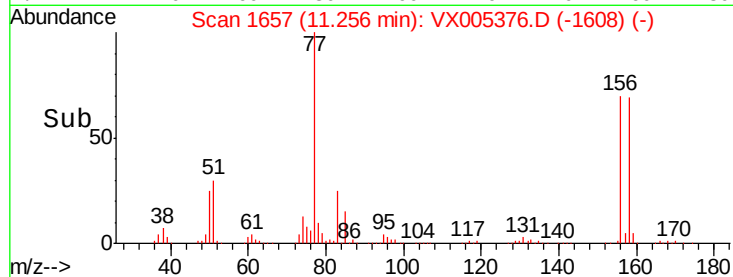
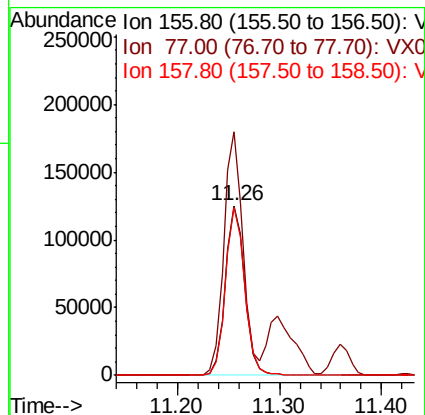
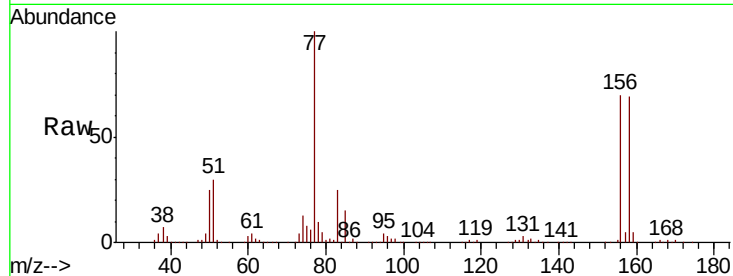
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	165118
Ion Ratio	Lower	Upper	
156	100		
77	141.9	71.5	214.3
158	98.1	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



#78

n-propylbenzene

Concen: 52.235 ug/l

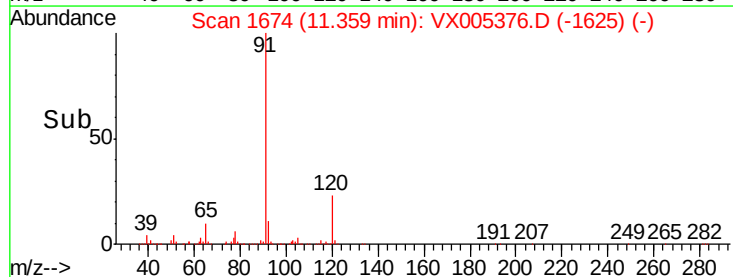
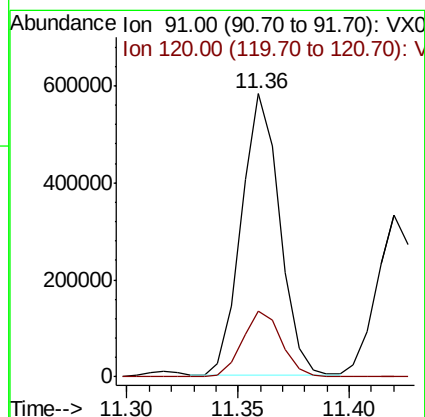
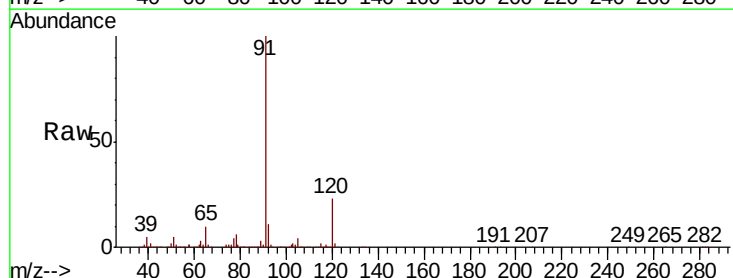
RT: 11.36 min Scan# 1674

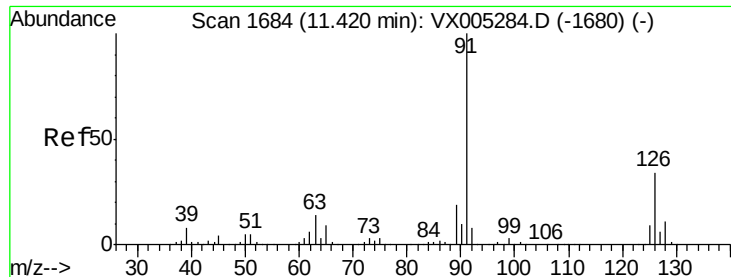
Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Tgt Ion:	91	Resp:	700534
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 50.363 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005376.D

Acq: 16 Oct 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 413656

Ion Ratio Lower Upper

91 100

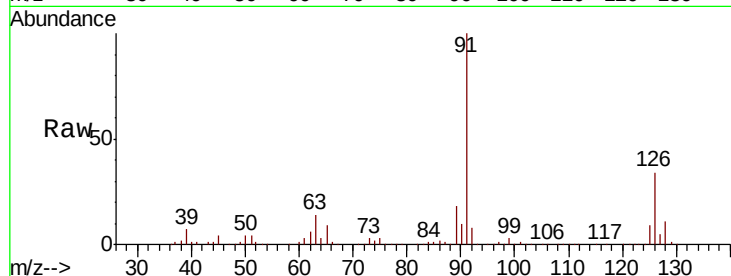
126 35.5 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:35:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

600000

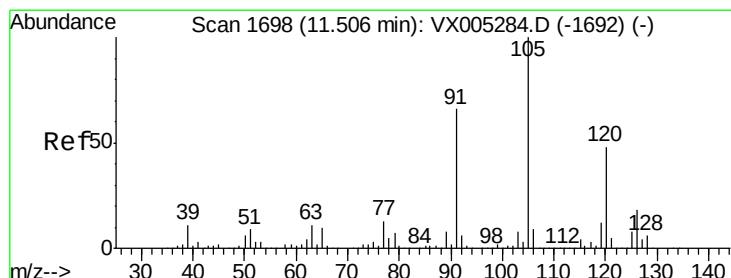
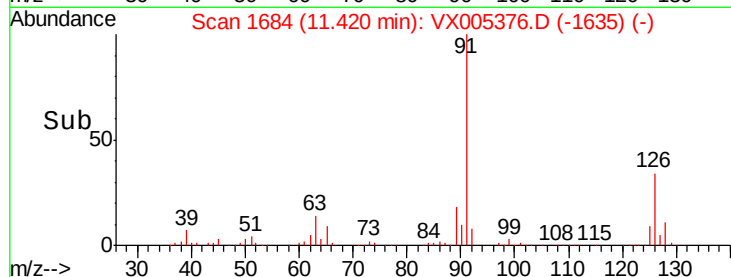
400000

200000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.596 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005376.D

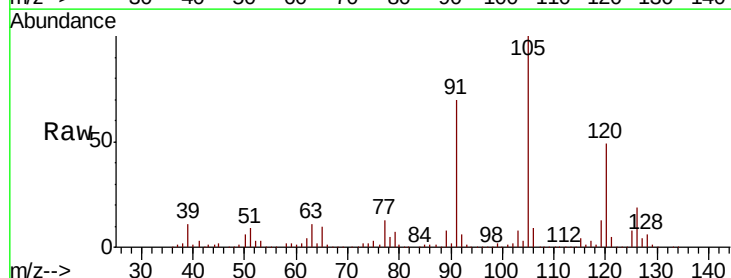
Acq: 16 Oct 2018 18:40

Tgt Ion: 105 Resp: 524919

Ion Ratio Lower Upper

105 100

120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

500000

400000

300000

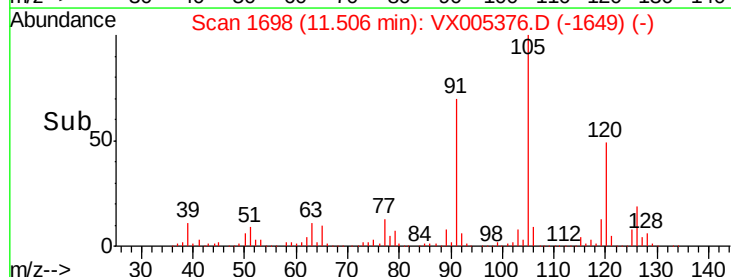
200000

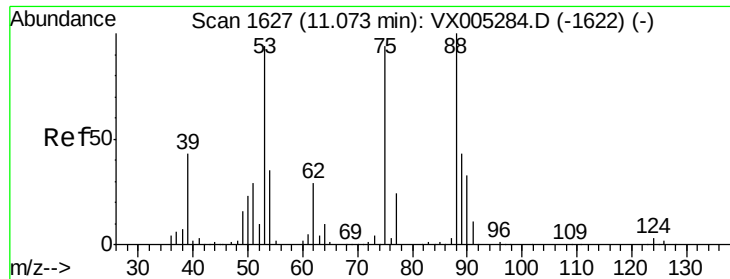
100000

0

11.40 11.50 11.60 11.70

Time-->





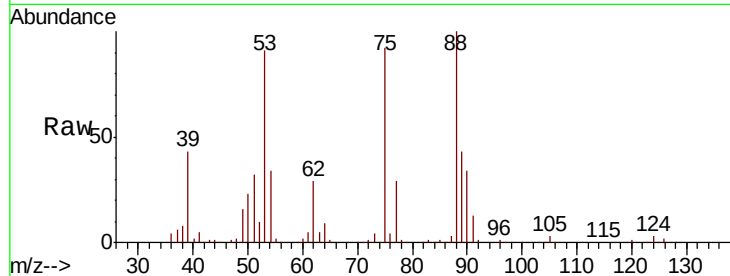
#81
trans-1,4-Dichloro-2-butene
Concen: 48.943 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

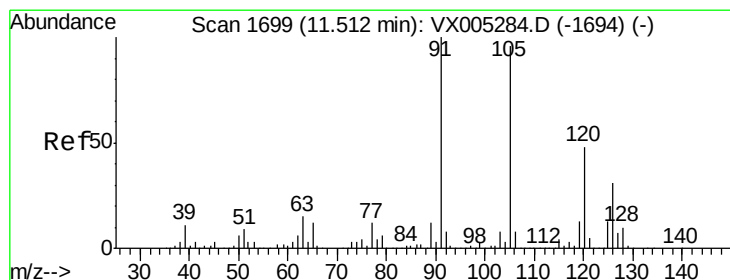
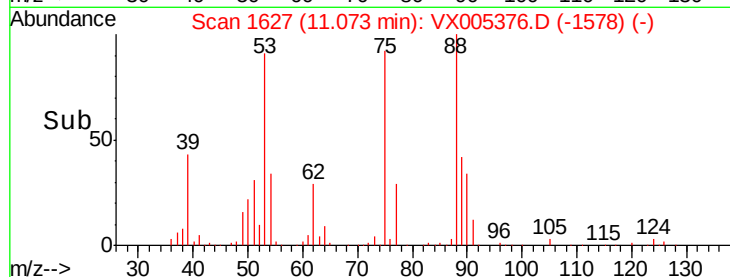
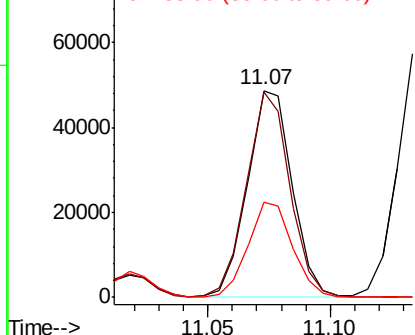
Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	80.1	120.1
89	46.6	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM

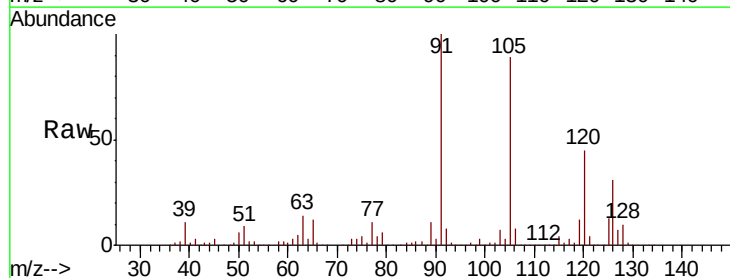


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

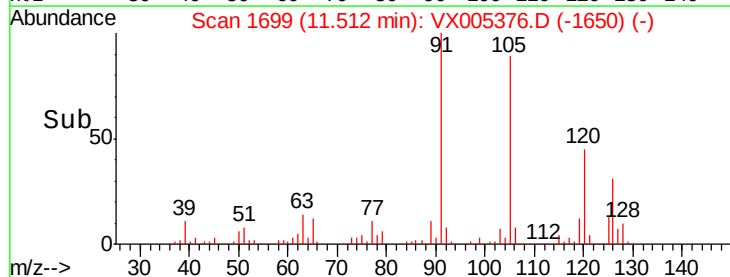
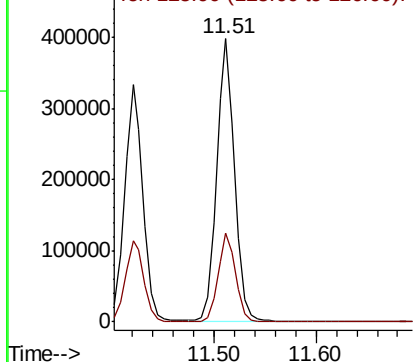


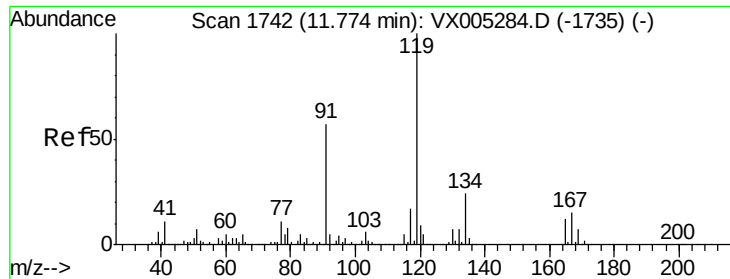
#82
4-Chlorotoluene
Concen: 50.366 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





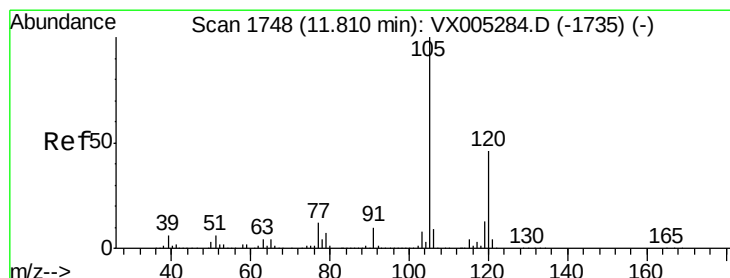
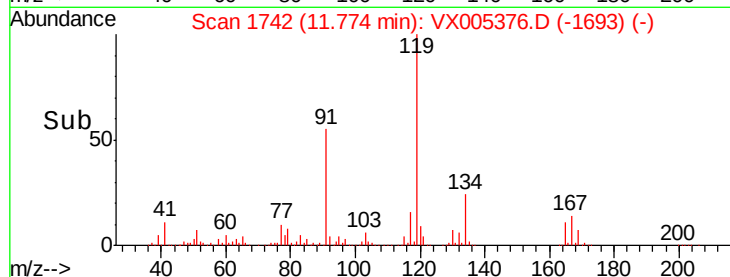
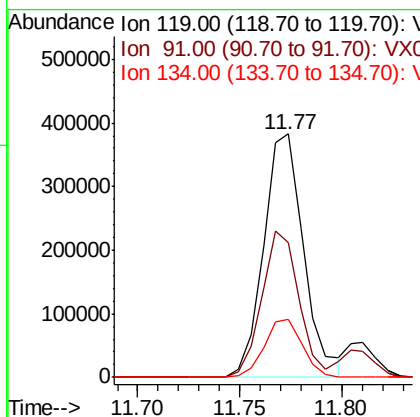
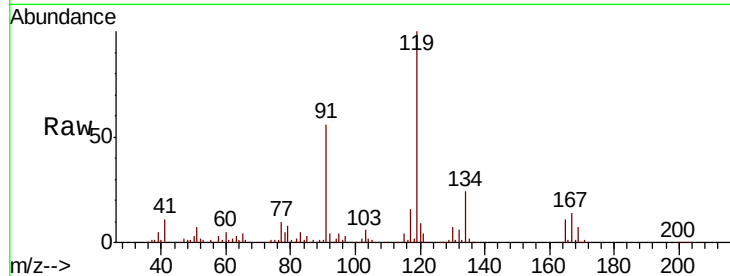
#83
 tert-Butylbenzene
 Concen: 51.818 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.0	81.0
134	22.8	11.7	35.1

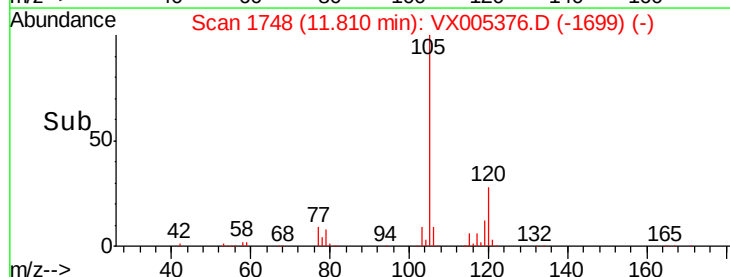
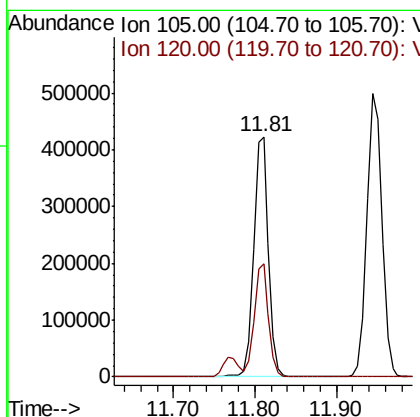
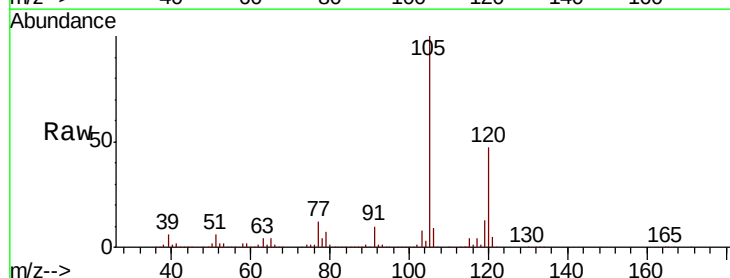
Manual Integrations
 APPROVED

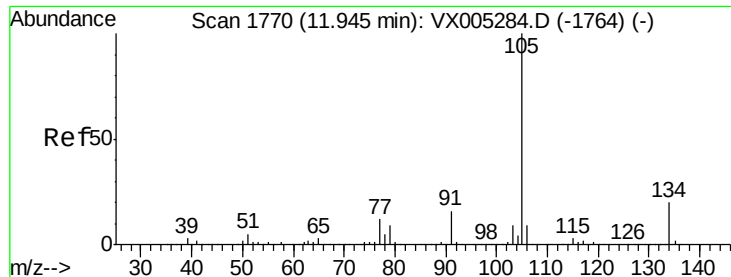
MMDadoda
 10/17/2018 9:35:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.347 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.2	69.6





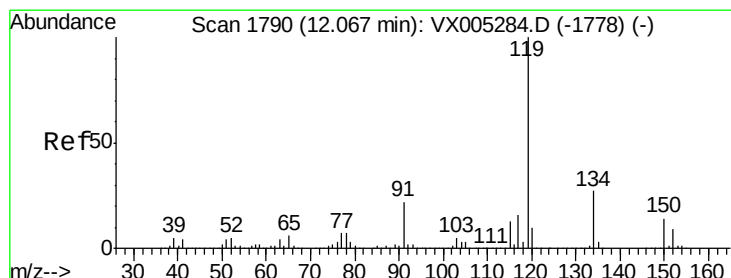
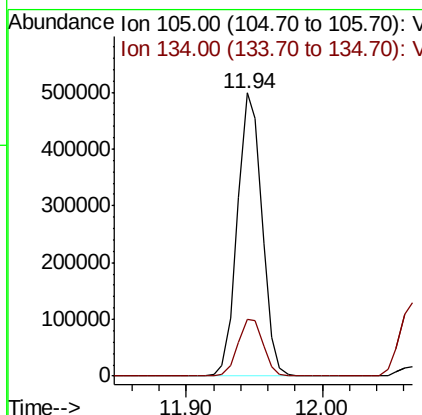
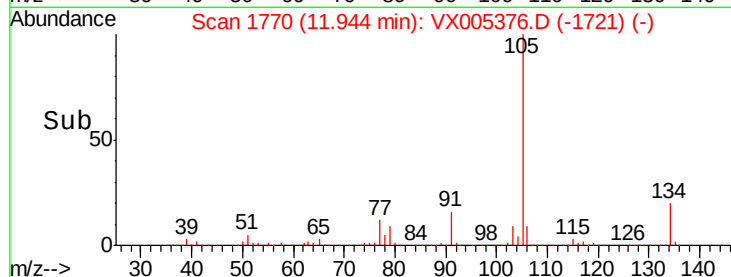
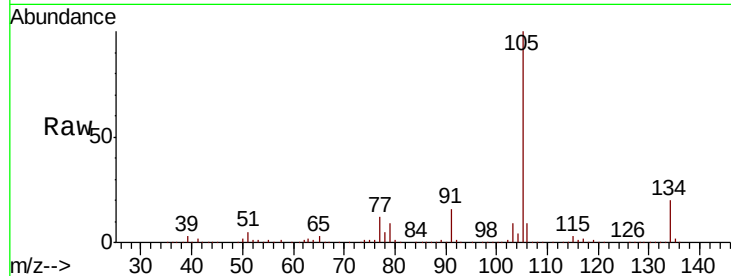
#85
 sec-Butylbenzene
 Concen: 52.457 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 627393
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5

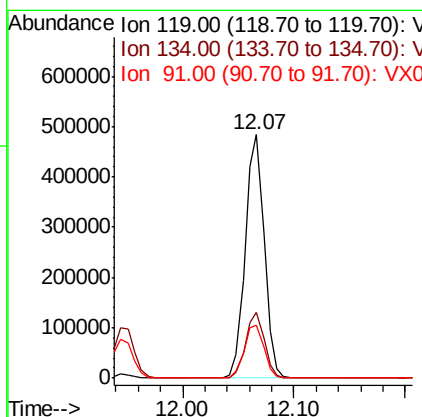
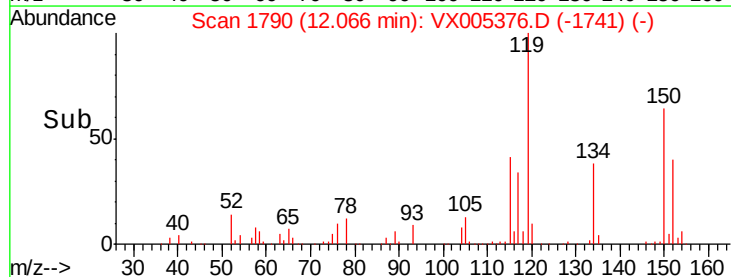
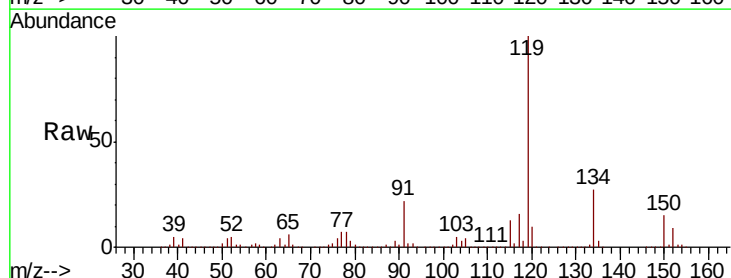
Manual Integrations
 APPROVED

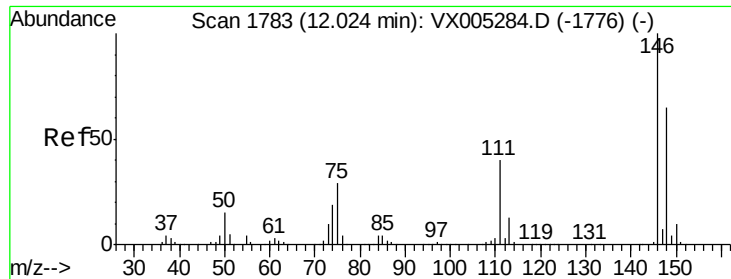
MMDadoda
 10/17/2018 9:35:02 AM



#86
 p-Isopropyltoluene
 Concen: 52.837 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion:119 Resp: 571168
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.6 10.9 32.7





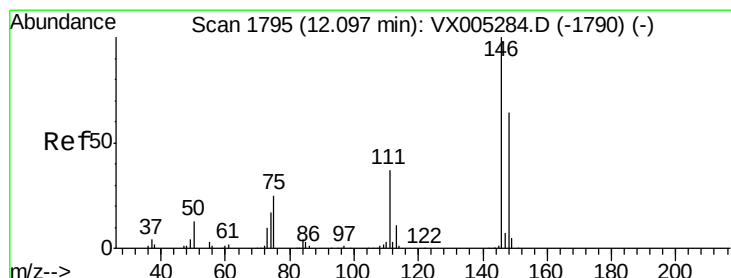
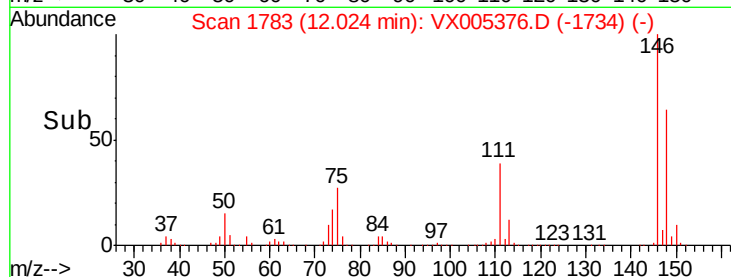
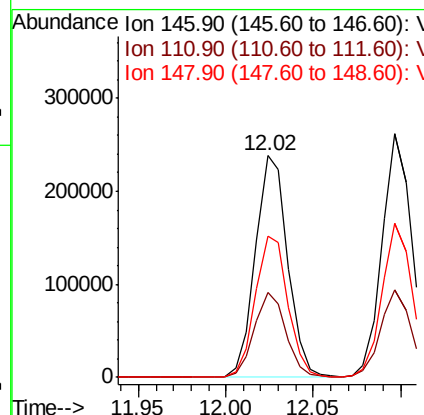
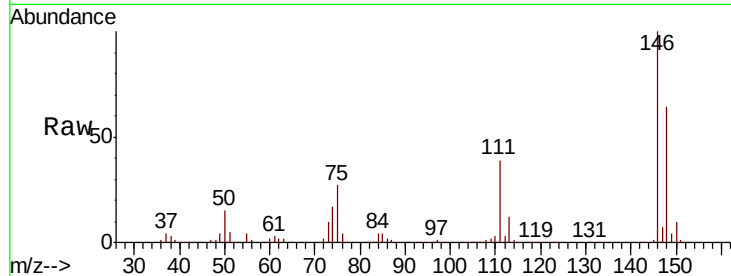
#87
 1,3-Dichlorobenzene
 Concen: 49.081 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.4	32.1	96.5

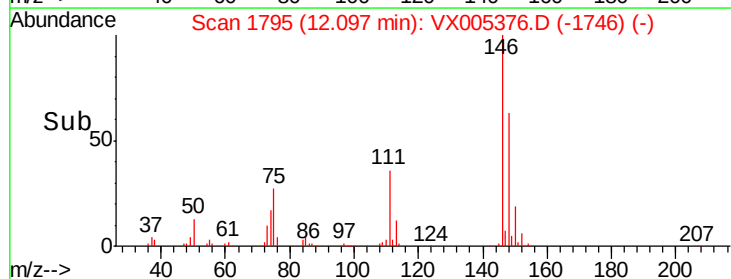
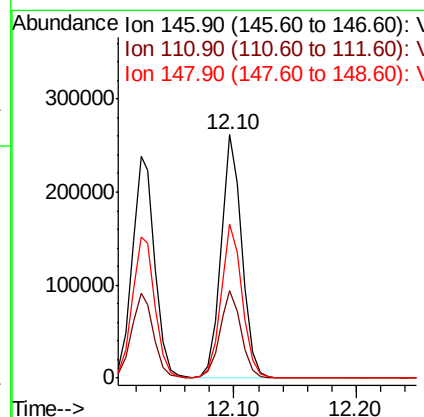
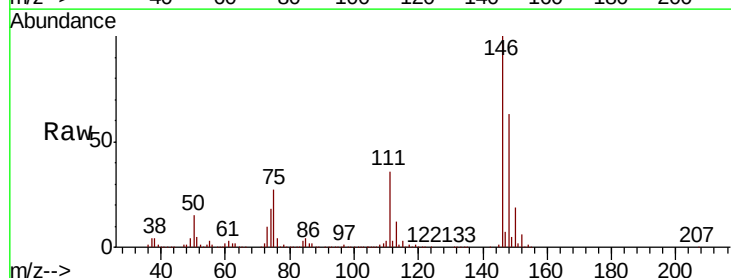
Manual Integrations
 APPROVED

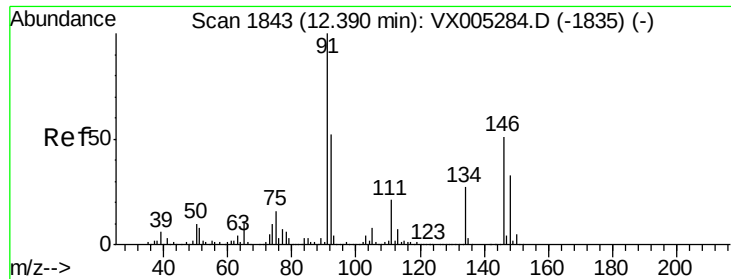
MMDadoda
 10/17/2018 9:35:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.938 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.1	32.0	96.0





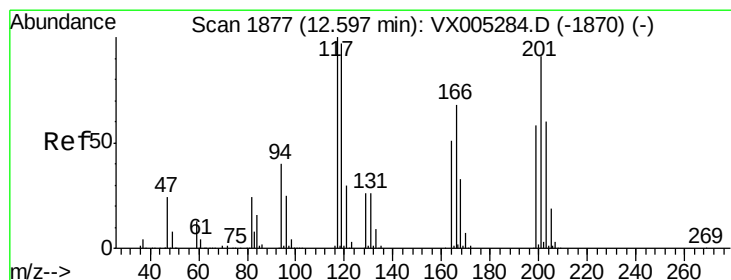
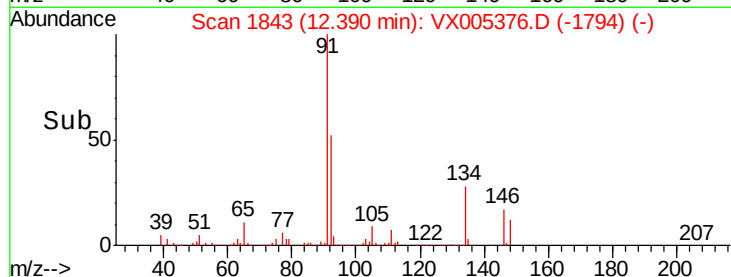
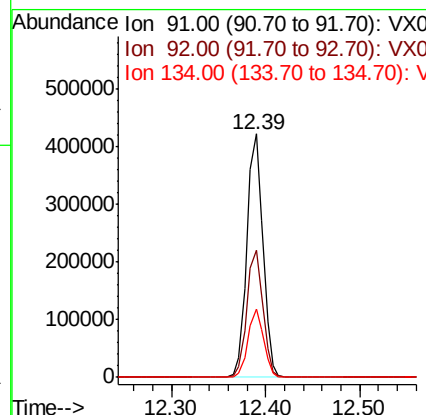
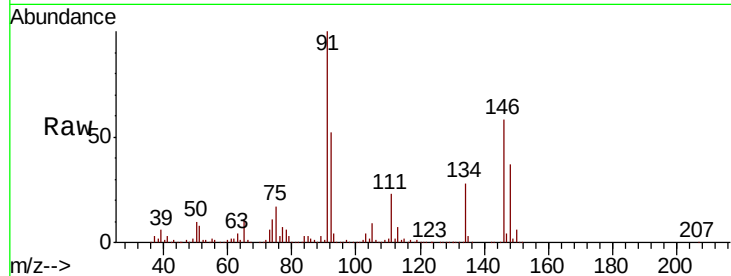
#89
n-Butylbenzene
Concen: 51.094 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	27.3	81.9	
134	27.0	13.6	40.7	

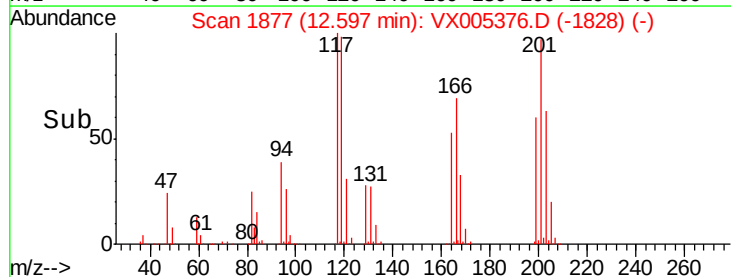
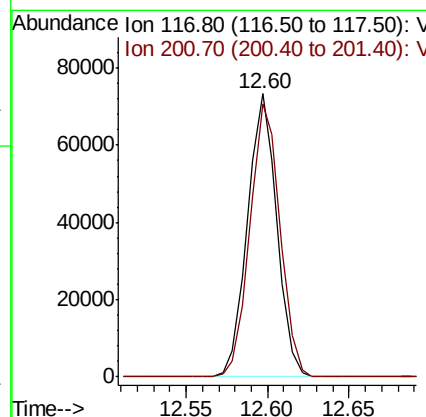
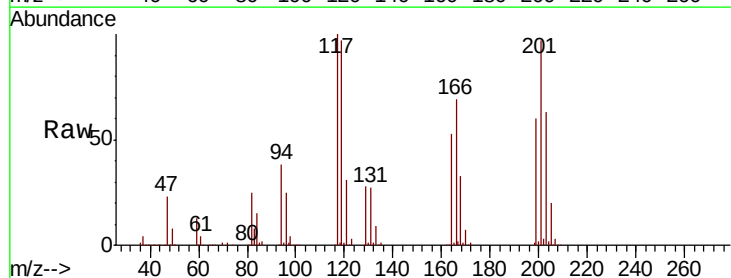
Manual Integrations
APPROVED

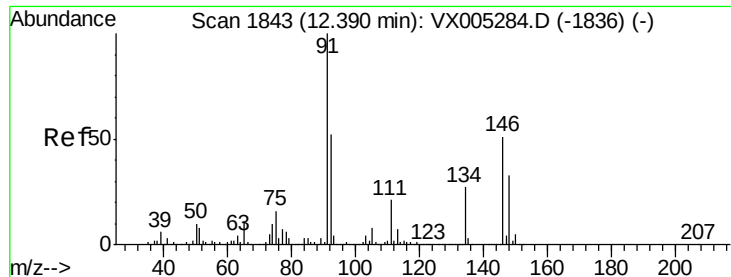
MMDadoda
10/17/2018 9:35:02 AM



#90
Hexachloroethane
Concen: 49.239 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	99.6	46.9	140.6	





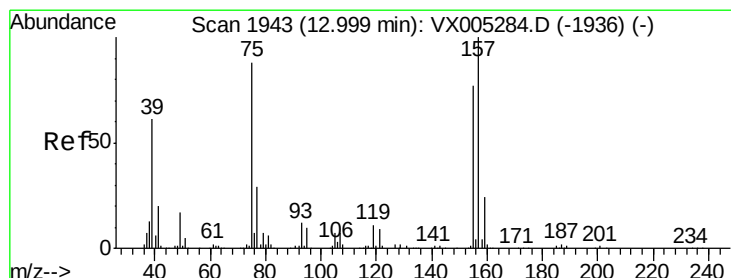
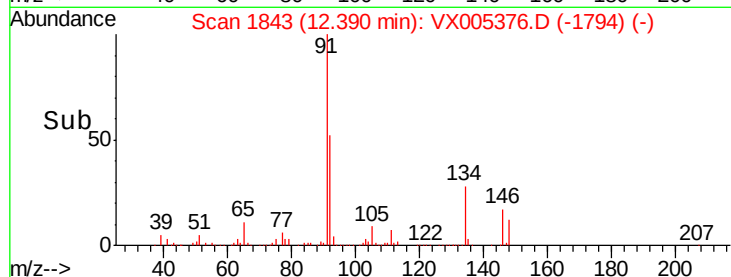
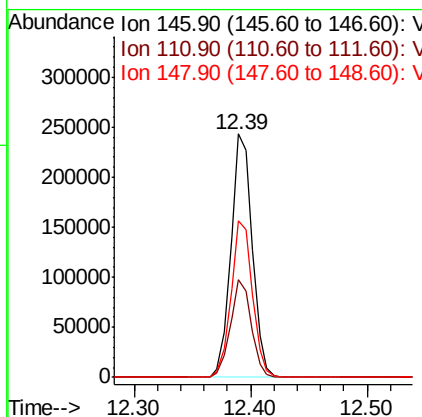
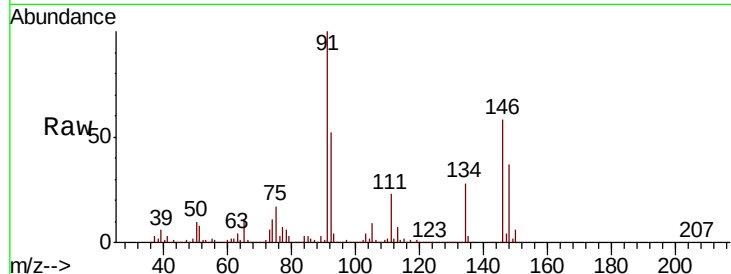
#91
 1,2-Dichlorobenzene
 Concen: 48.862 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.2	32.8	98.3

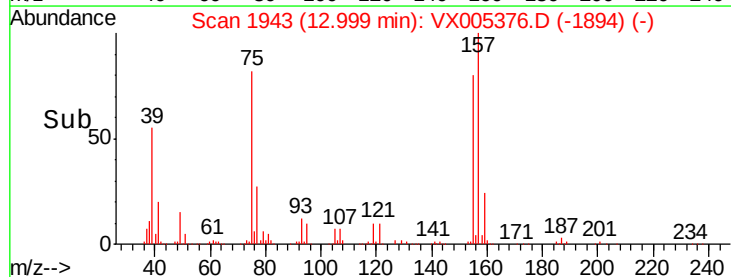
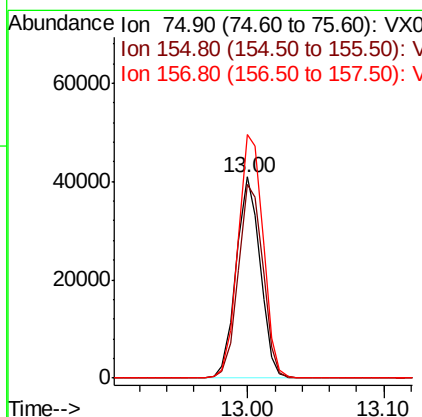
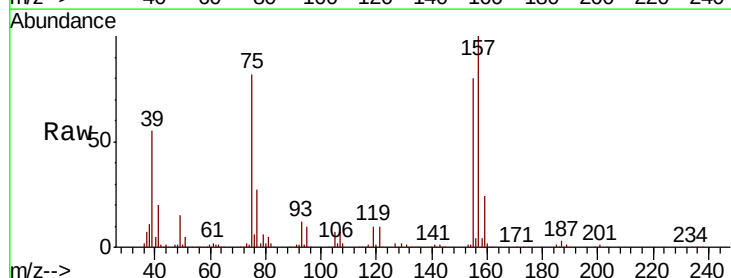
Manual Integrations
 APPROVED

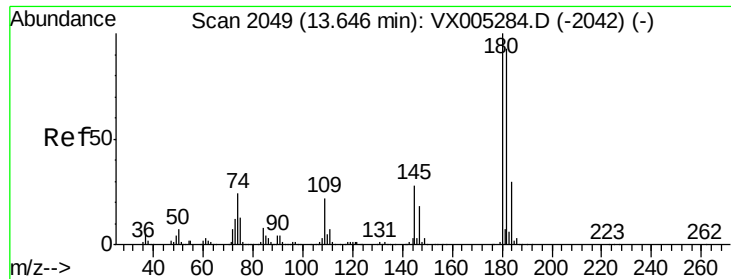
MMDadoda
 10/17/2018 9:35:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.037 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005376.D
 Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.0	144.2
157	126.3	61.4	184.1





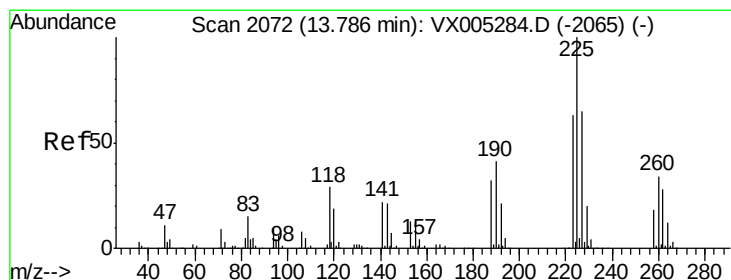
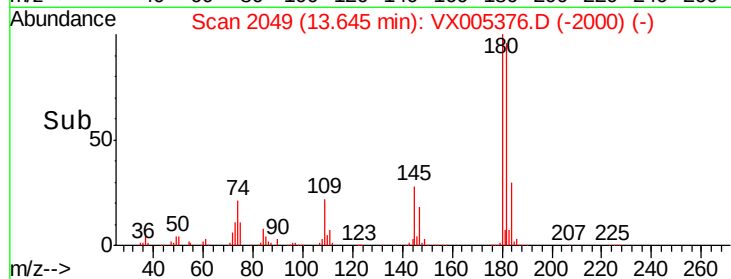
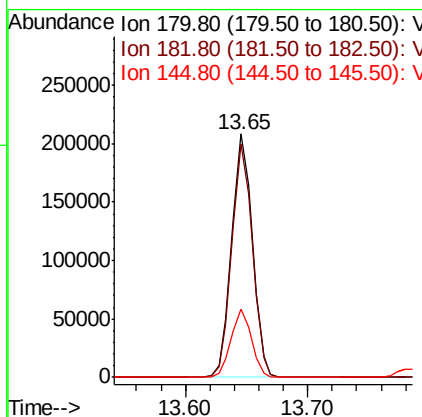
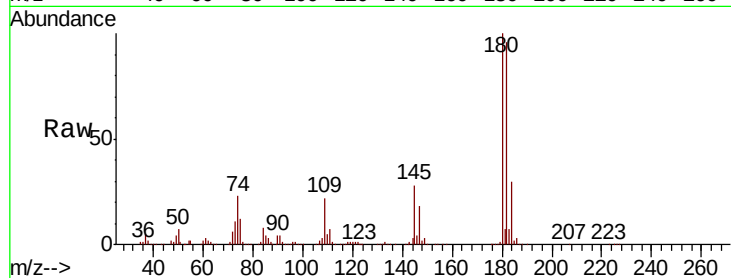
#93
1,2,4-Trichlorobenzene
Concen: 51.981 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242332		
182	95.7	48.4	145.0	
145	27.6	14.3	42.9	

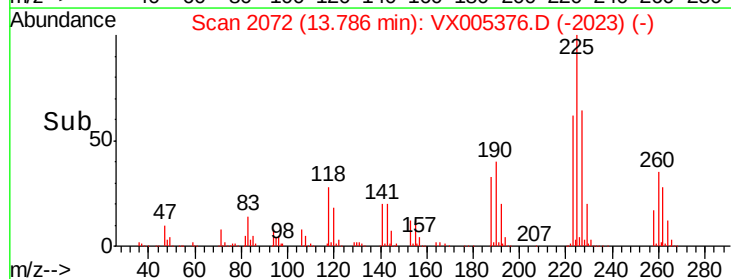
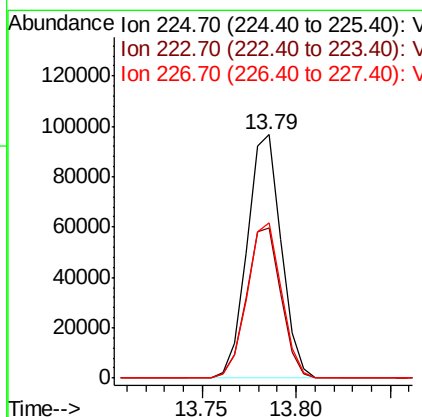
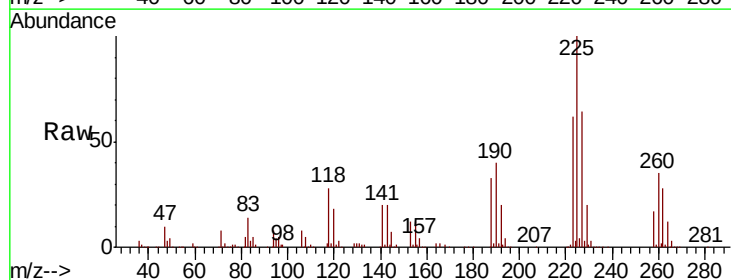
Manual Integrations
APPROVED

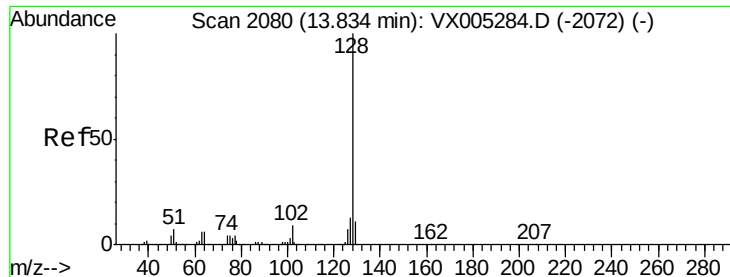
MMDadoda
10/17/2018 9:35:02 AM



#94
Hexachlorobutadiene
Concen: 49.382 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121588		
223	62.1	30.1	90.5	
227	64.0	30.8	92.4	





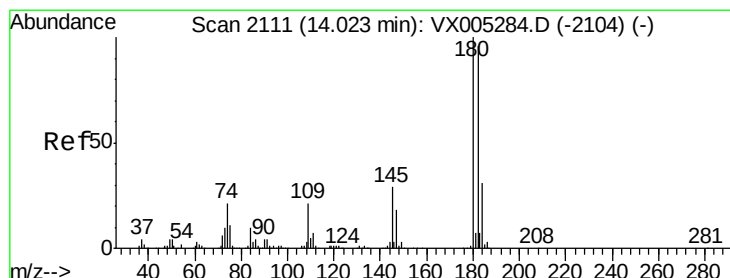
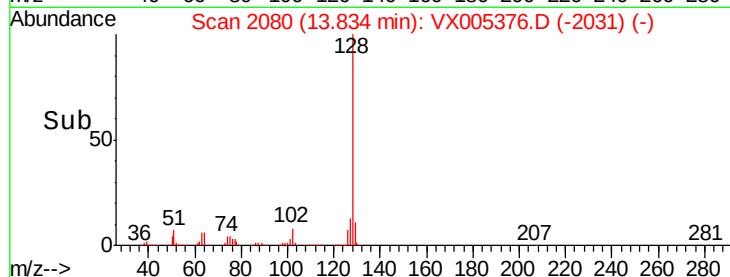
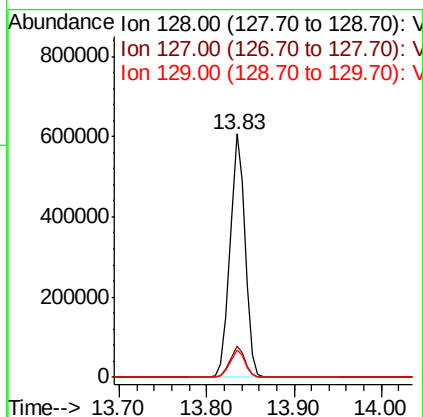
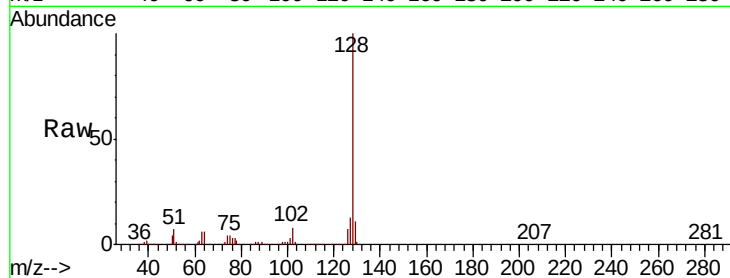
#95
Naphthalene
Concen: 53.812 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:35:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.316 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005376.D
Acq: 16 Oct 2018 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.6
145	29.8	14.9	44.9

