

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008332.D
 Acq On : 22 Mar 2019 11:48
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:42 AM

Quant Time: Mar 22 15:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	33278	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173677	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	67168	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	11.13	95	74491	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.71	98	205429	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	83892	46.984	ug/l	98
3) Chloromethane	1.33	50	86717	47.500	ug/l	96
4) Vinyl Chloride	1.41	62	97761	47.511	ug/l	100
5) Bromomethane	1.64	94	191401	51.313	ug/l	98
6) Chloroethane	1.73	64	67207	45.958	ug/l	93
7) Trichlorofluoromethane	1.93	101	151632	46.292	ug/l	95
8) Diethyl Ether	2.19	74	59905	47.156	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83211	45.935	ug/l	99
10) 1,1-Dichloroethene	2.38	96	82847	46.332	ug/l	97
11) Methyl Iodide	2.51	142	130660	48.339	ug/l	96
12) Methyl Acetate	2.78	43	93158	47.745	ug/l	99
13) Acrolein	2.30	56	75080	245.630	ug/l	99
14) Acrylonitrile	3.15	53	230882	238.440	ug/l	99
15) Acetone	2.45	58	95820	252.352	ug/l	92
16) Carbon Disulfide	2.57	76	231827	46.759	ug/l	99
17) Allyl chloride	2.73	41	124673	47.251	ug/l	92
18) Methylene Chloride	2.86	84	90742	47.142	ug/l	93
19) trans-1,2-Dichloroethene	3.17	96	88260	46.499	ug/l	95
20) Diisopropyl ether	3.86	45	261653	47.426	ug/l	96
21) 1,1-Dichloroethane	3.70	63	155504	47.725	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	103119	47.103	ug/l	97
23) tert-Butyl Alcohol	3.05	59	91900	233.784	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	274351	47.758	ug/l	98
25) Chloroform	5.21	83	163900	47.420	ug/l	97
26) Cyclohexane	5.58	56	136562	47.391	ug/l #	99
29) 1,1-Dichloropropene	5.80	75	120808	48.975	ug/l	98
30) 2-Butanone	4.68	43	357061	251.309	ug/l	97
31) 2,2-Dichloropropane	4.59	77	112581	48.475	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	141522	48.760	ug/l	98
33) Carbon Tetrachloride	5.79	117	130362	48.906	ug/l	96
34) Benzene	6.15	78	362395	49.320	ug/l	97
35) Methacrylonitrile	5.04	41	64899	49.037	ug/l	94
36) 1,2-Dichloroethane	6.20	62	130464	48.172	ug/l	99
37) Trichloroethene	7.21	130	104586	48.411	ug/l	96
38) Methylcyclohexane	7.46	83	151636	49.048	ug/l	99
39) 1,2-Dichloropropane	7.51	63	90679	48.500	ug/l	99
40) Dibromomethane	7.66	93	67642	49.328	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032219\
 Data File : VX008332.D
 Acq On : 22 Mar 2019 11:48
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:42 AM

Quant Time: Mar 22 15:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	129215	49.659	ug/l	100
42) Vinyl Acetate	3.82	43	1186234	248.400	ug/l	99
43) Ethyl Acetate	4.84	43	124399m	49.574	ug/l	
44) Isopropyl Acetate	6.45	43	195650	49.571	ug/l	98
45) 1,4-Dioxane	7.74	88	48400	974.969	ug/l	98
46) Methyl methacrylate	7.77	41	95651	49.390	ug/l	98
47) n-amyl Acetate	10.90	43	170210	50.300	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	130887	50.241	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	146779	50.491	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	97208	49.345	ug/l	93
51) Ethyl methacrylate	9.18	69	148623	51.676	ug/l	97
52) 1,3-Dichloropropane	9.37	76	156393	49.501	ug/l	100
53) Dibromochloromethane	9.58	129	111471	50.197	ug/l	99
54) 1,2-Dibromoethane	9.67	107	107210	49.602	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	371293	256.600	ug/l	99
56) Bromoform	10.85	173	86890	49.561	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	632062	244.803	ug/l	96
59) 2-Hexanone	9.49	43	499242	244.439	ug/l	97
61) Tetrachloroethene	9.34	164	99982	48.435	ug/l	97
62) Toluene	8.79	91	396014	48.652	ug/l	99
64) Chlorobenzene	10.13	112	251166	47.863	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	100075	49.933	ug/l	98
66) Ethyl Benzene	10.25	91	432816	49.167	ug/l	100
67) m/p-Xylenes	10.36	106	341975	97.744	ug/l	100
68) o-Xylene	10.69	106	164375	48.907	ug/l	98
69) Styrene	10.71	104	281326	49.579	ug/l	98
70) Isopropylbenzene	11.02	105	430493	48.683	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	145337	48.199	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	121164m	48.141	ug/l	
73) Bromobenzene	11.26	156	118241	48.328	ug/l	97
74) n-propylbenzene	11.36	91	477568	48.451	ug/l	99
75) 2-Chlorotoluene	11.42	91	284533	48.338	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	365554	48.390	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	44060	51.203	ug/l	92
78) 4-Chlorotoluene	11.51	91	332512	47.997	ug/l	98
79) tert-butylbenzene	12.06	119	389693	49.041	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	364633	48.575	ug/l	99
81) sec-Butylbenzene	11.94	105	411681	47.778	ug/l	99
82) p-Isopropyltoluene	12.06	119	389693	49.041	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	203132	47.835	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	201879	47.738	ug/l	97
85) n-Butylbenzene	12.39	91	328116	48.004	ug/l	99
86) Hexachloroethane	12.60	117	67090	48.988	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	200162	47.795	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	32745	47.438	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	145128	48.964	ug/l	100
90) Hexachlorobutadiene	13.78	225	71550	47.953	ug/l	97
91) Naphthalene	13.83	128	437956	49.197	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	143725	47.965	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
Data File : VX008332.D
Acq On : 22 Mar 2019 11:48
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

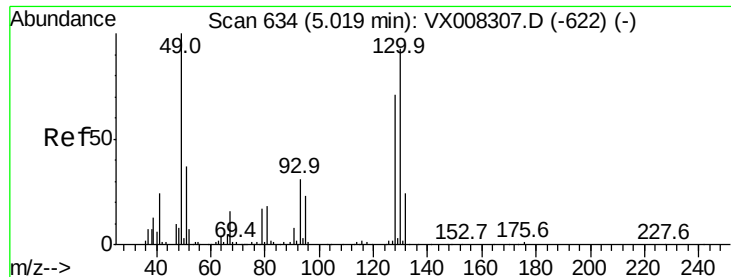
Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM

Quant Time: Mar 22 15:34:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 22 13:03:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 33278

Ion Ratio Lower Upper

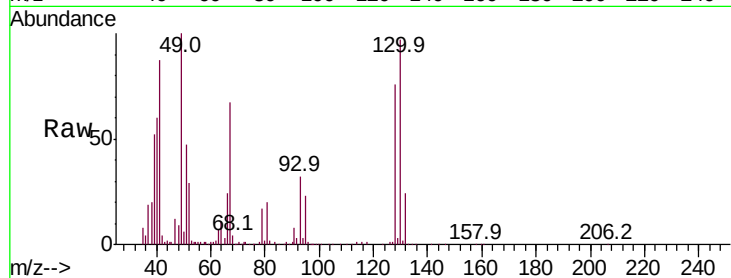
128 100

49 134.3 0.0 350.8

130 128.8 0.0 325.8

Manual Integrations
APPROVED

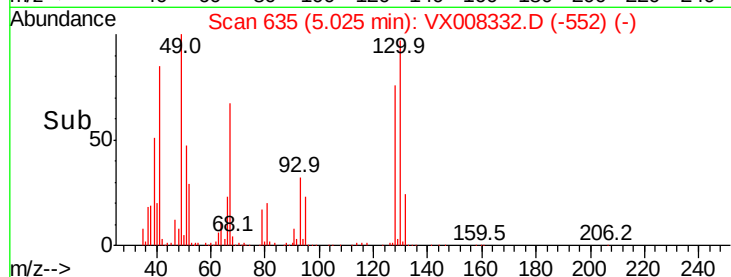
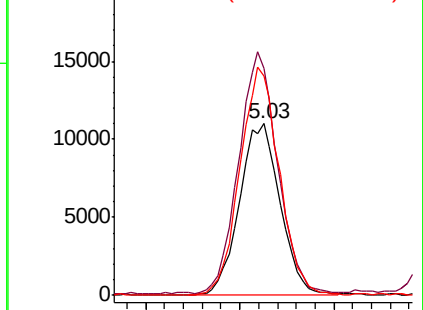
MMDadoda
3/23/2019 9:33:42 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 46.984 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008332.D

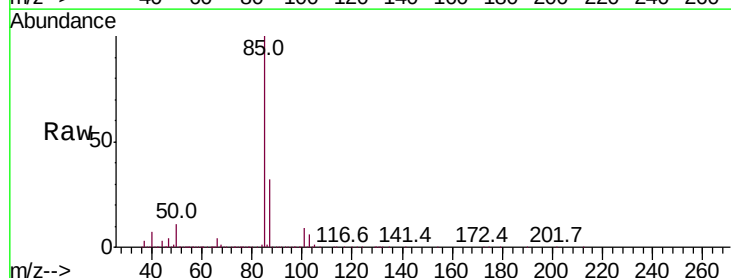
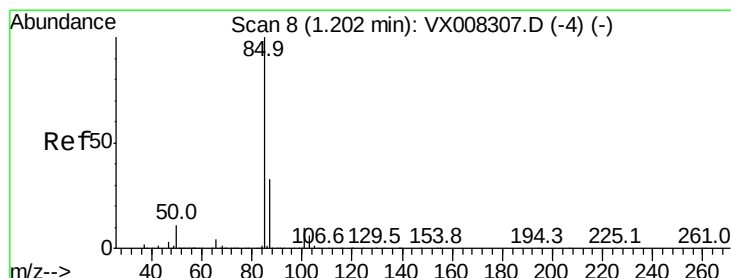
Acq: 22 Mar 2019 11:48

Tgt Ion: 85 Resp: 83892

Ion Ratio Lower Upper

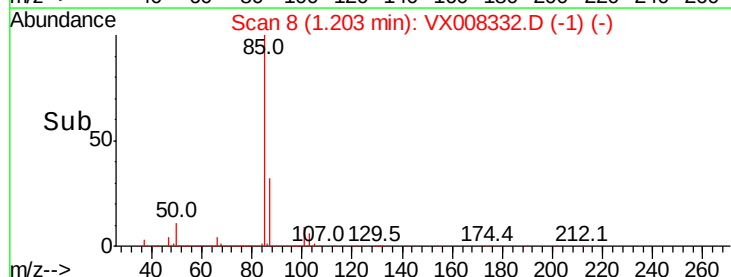
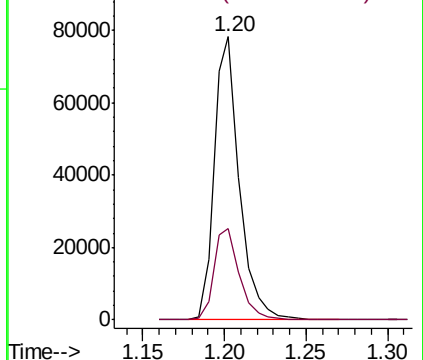
85 100

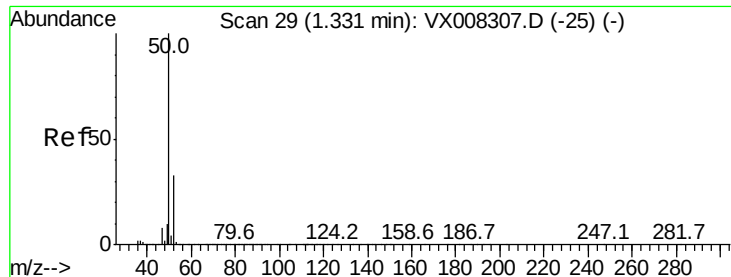
87 32.3 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 47.500 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 86717

Ion Ratio Lower Upper

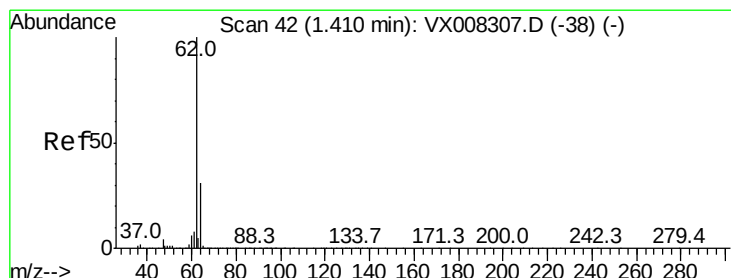
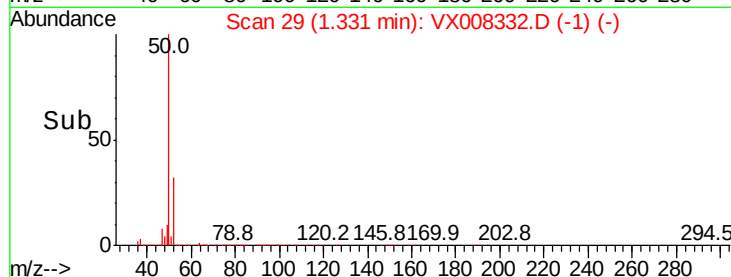
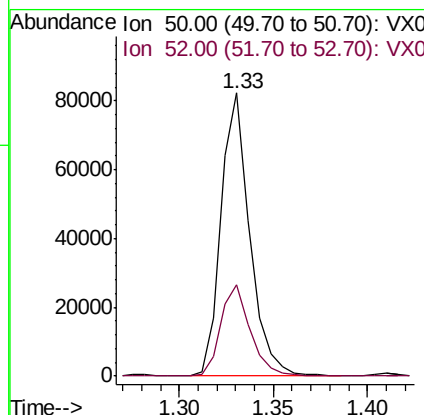
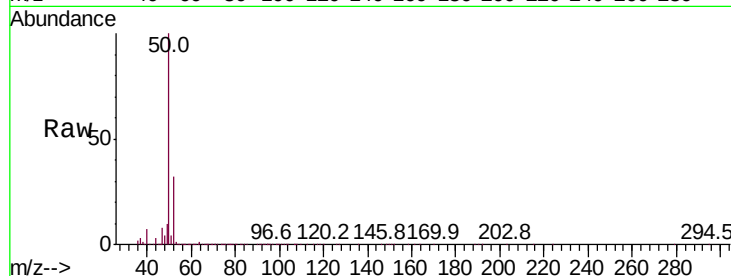
50 100

52 32.2 27.5 41.3

Manual Integrations
APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#4

Vinyl Chloride

Concen: 47.511 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008332.D

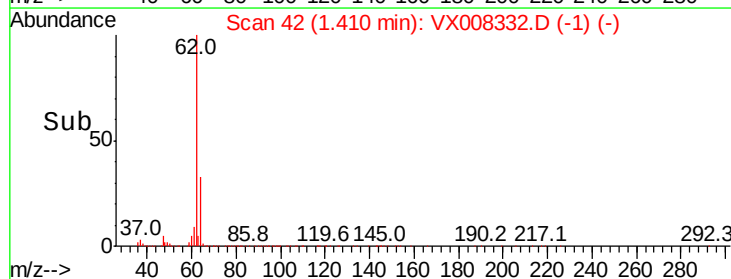
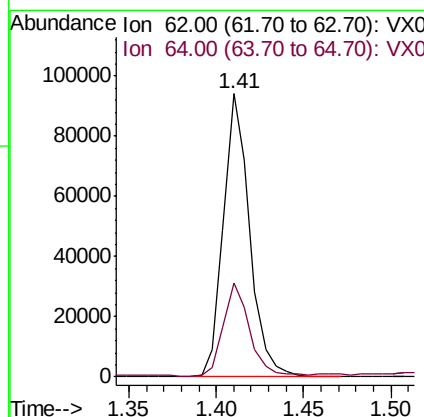
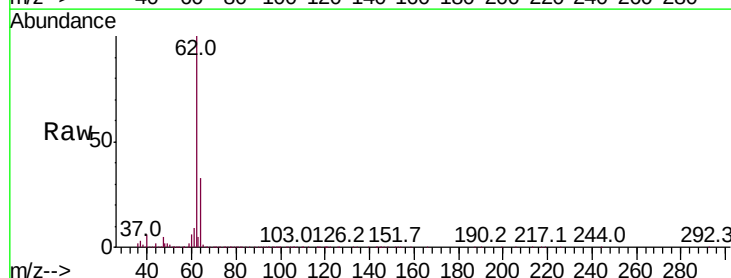
Acq: 22 Mar 2019 11:48

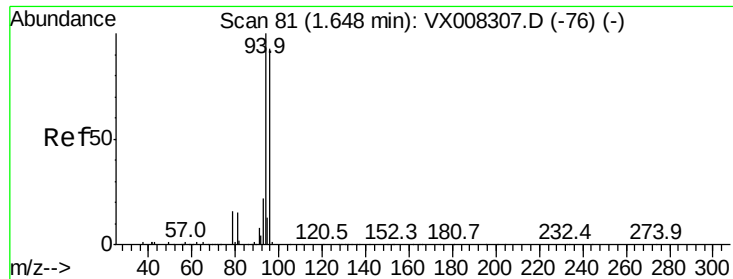
Tgt Ion: 62 Resp: 97761

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9





#5

Bromomethane

Concen: 51.313 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 191401

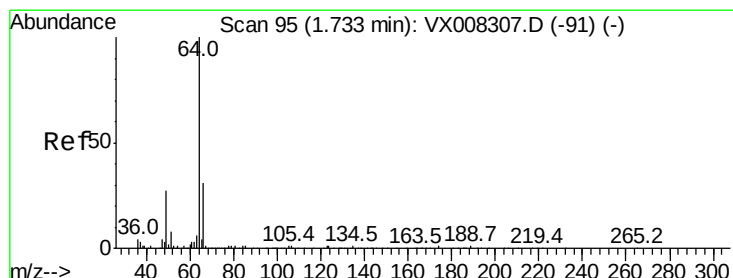
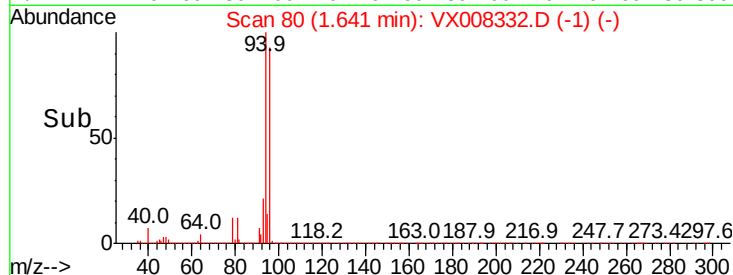
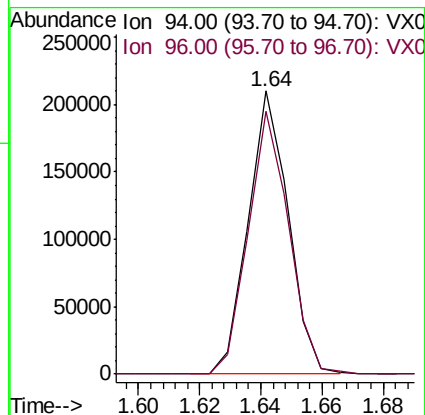
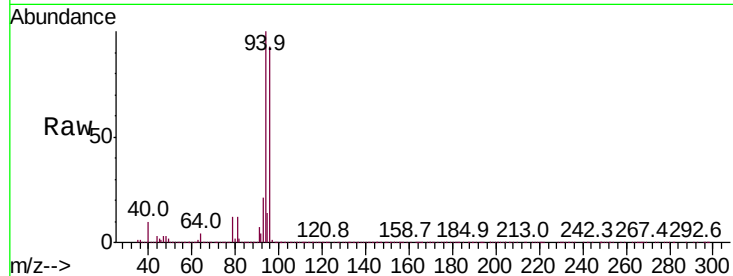
Ion Ratio Lower Upper

94 100

96 92.9 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#6

Chloroethane

Concen: 45.958 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008332.D

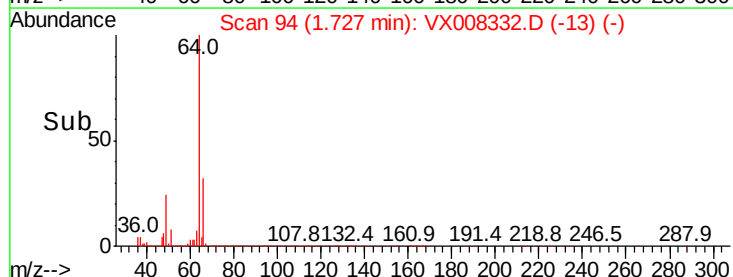
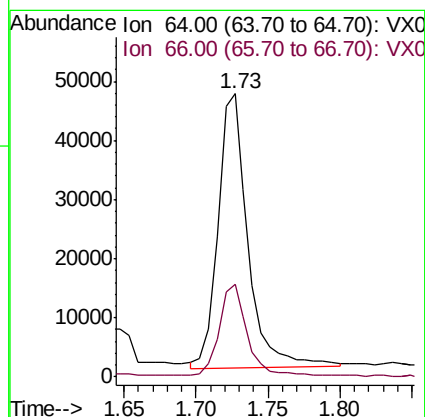
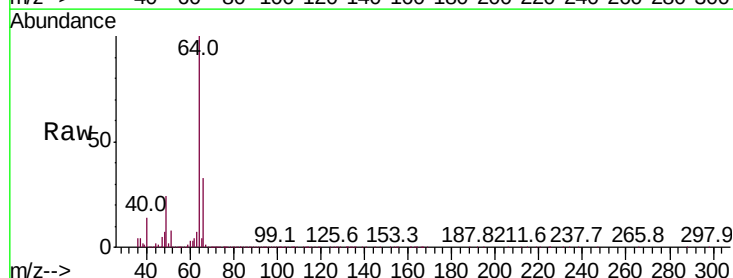
Acq: 22 Mar 2019 11:48

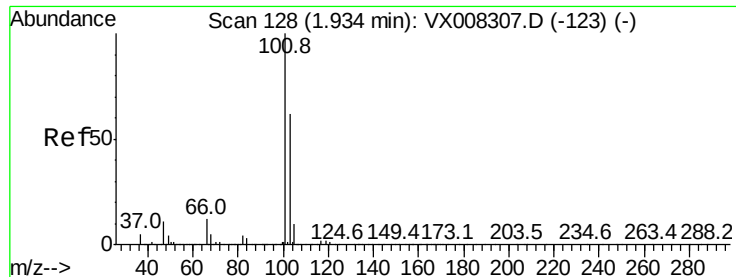
Tgt Ion: 64 Resp: 67207

Ion Ratio Lower Upper

64 100

66 33.7 23.9 35.9





#7

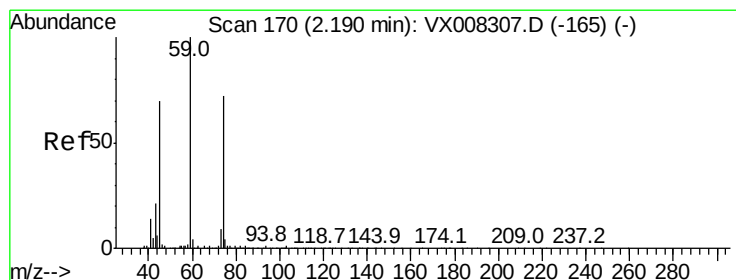
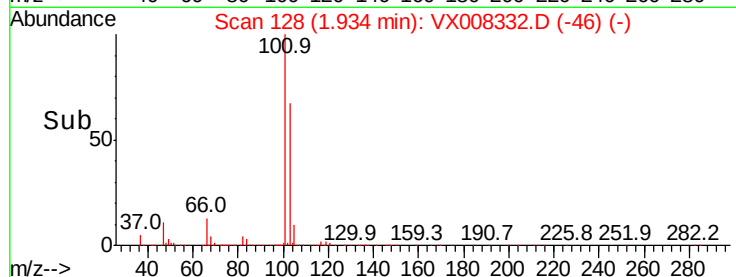
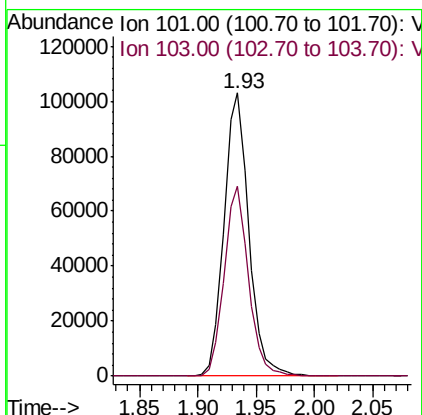
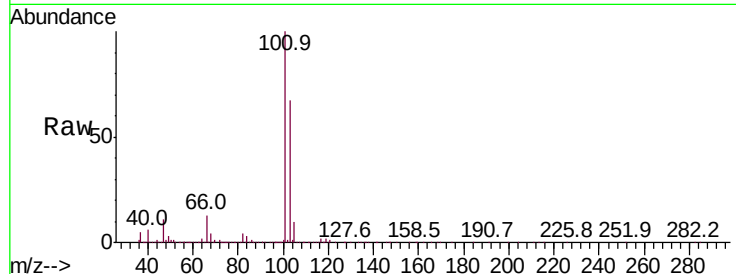
Trichlorofluoromethane
Concen: 46.292 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	151632		
103	67.0	50.4	75.6	

Manual Integrations
APPROVED

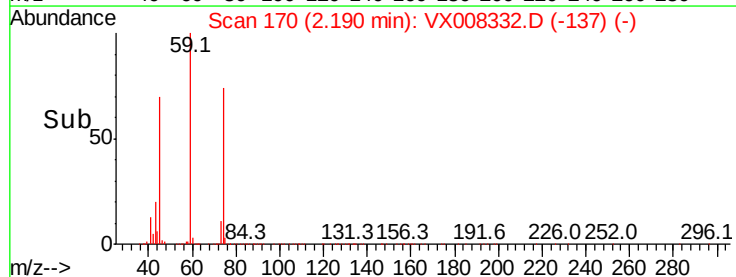
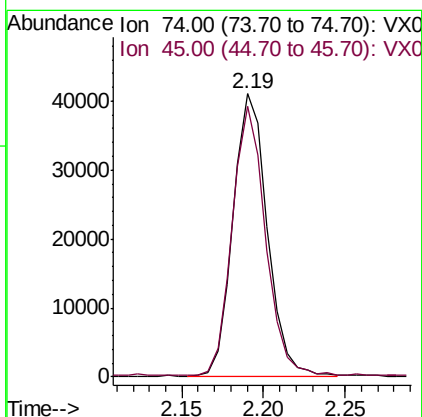
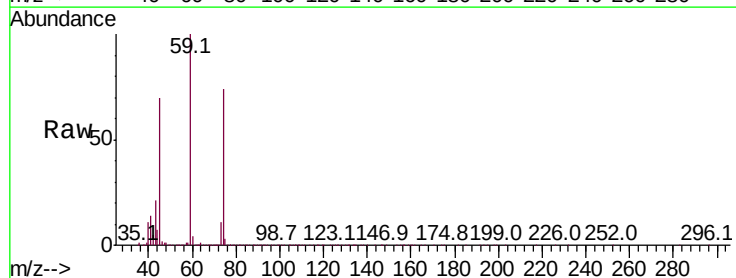
MMDadoda
3/23/2019 9:33:42 AM

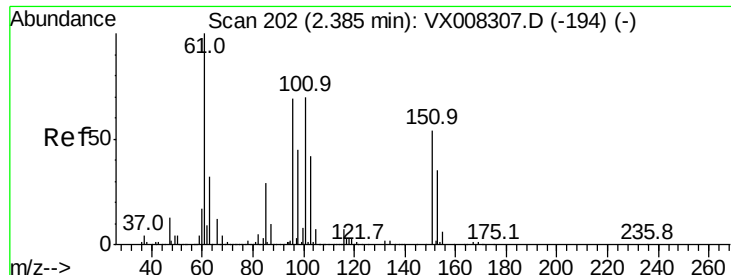


#8

Diethyl Ether
Concen: 47.156 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59905		
45	93.1	18.6	167.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.935 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

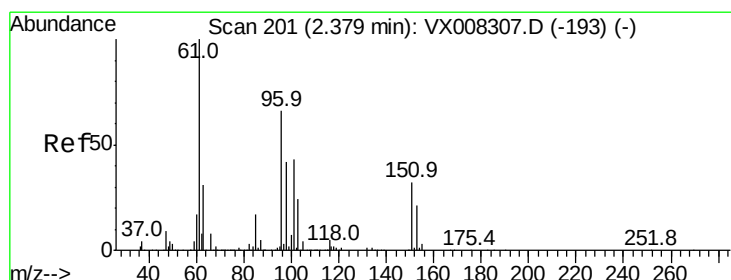
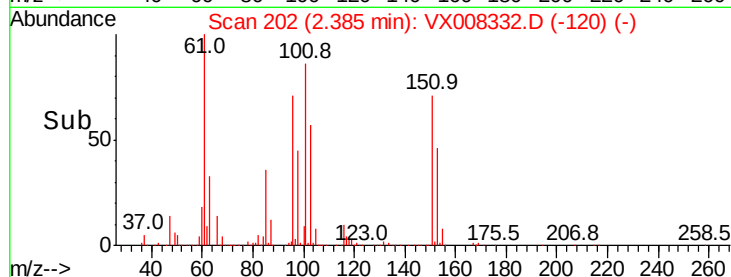
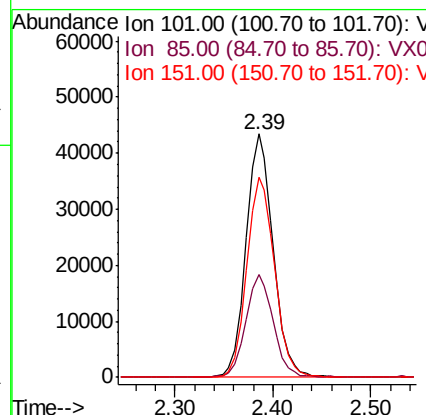
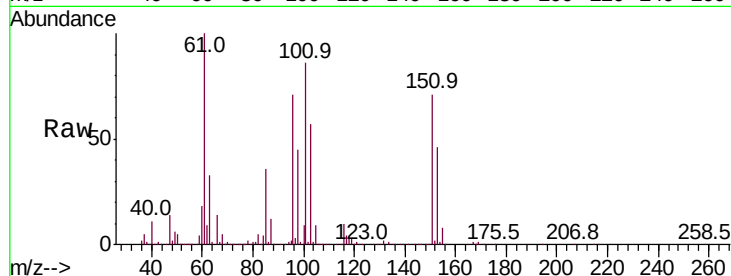
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	83211
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	86.8
151	84.3	0.0	169.2

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#10

1,1-Dichloroethene

Concen: 46.332 ug/l

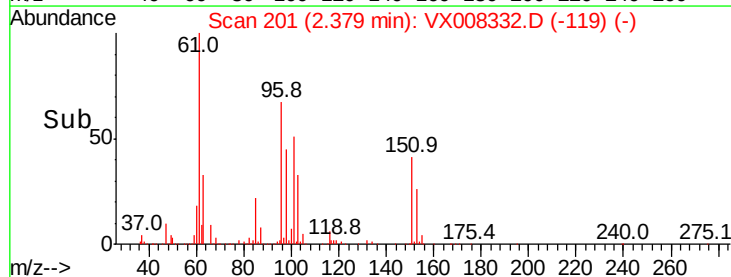
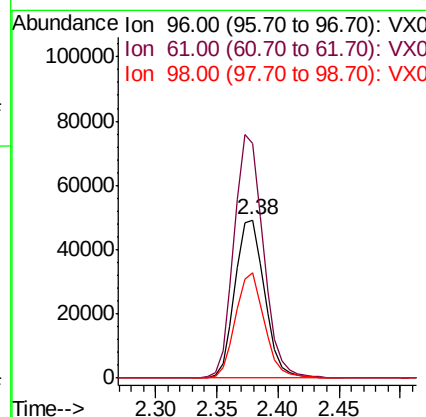
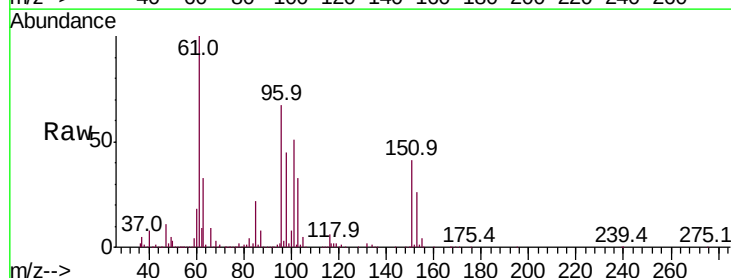
RT: 2.38 min Scan# 201

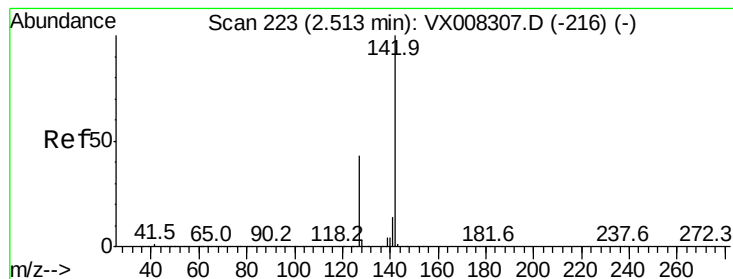
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	96	Resp:	82847
Ion Ratio	Lower	Upper	
96	100		
61	148.5	120.2	180.2
98	66.2	49.0	73.4





#11

Methvl Iodide

Concen: 48.339 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

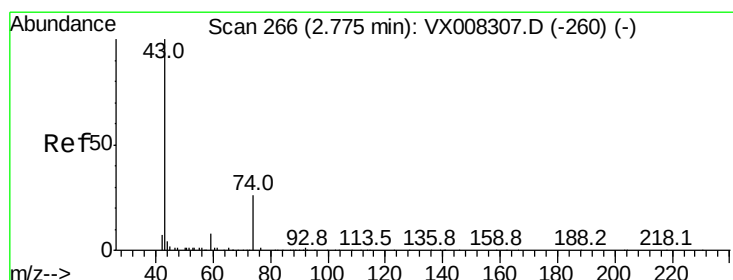
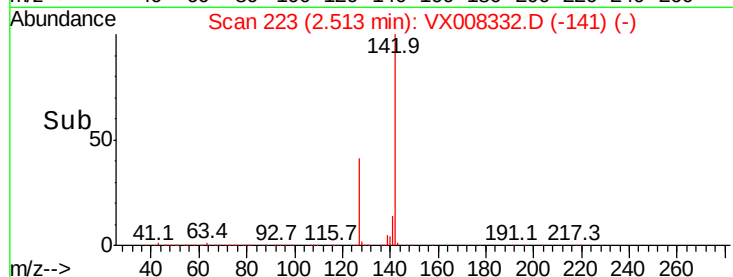
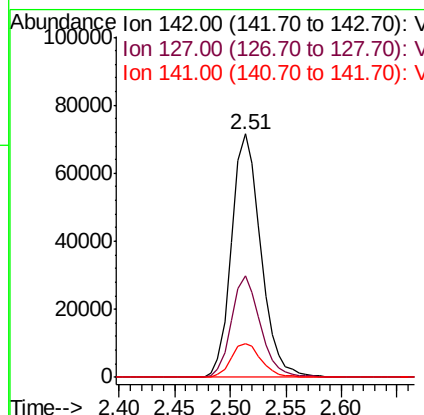
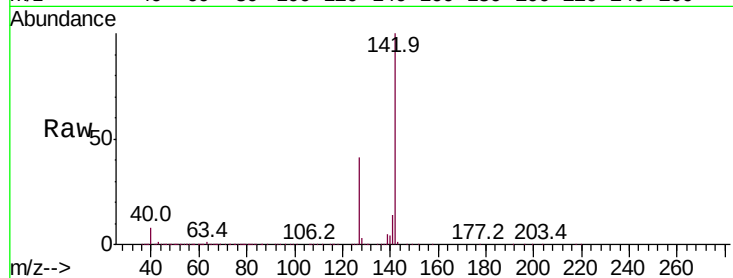
ClientSampleId :

VSTDIC050

Tot Ion:	142	Resp:	130660
Ion Ratio	Lower	Upper	
142	100		
127	41.4	22.1	66.5
141	13.9	7.4	22.3

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#12

Methyl Acetate

Concen: 47.745 ug/l

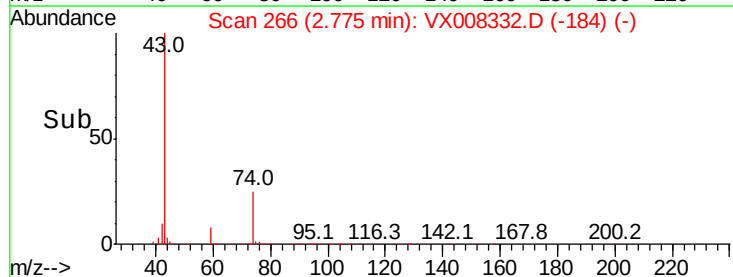
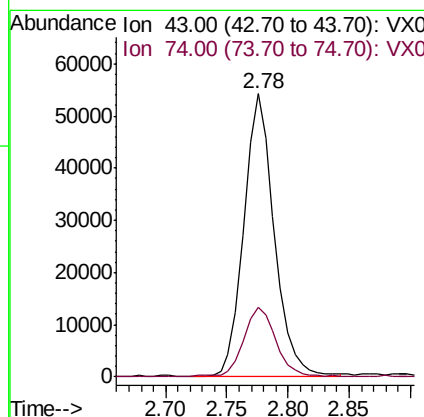
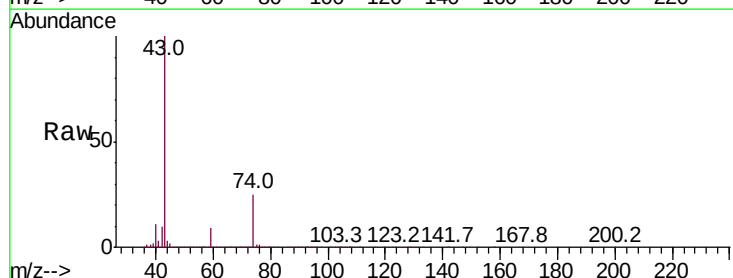
RT: 2.78 min Scan# 266

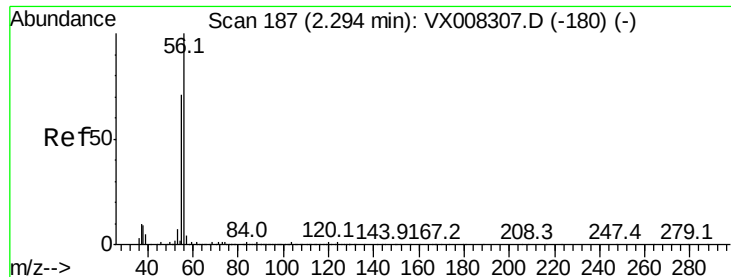
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	43	Resp:	93158
Ion Ratio	Lower	Upper	
43	100		
74	24.5	19.4	29.0





#13

Acrolein

Concen: 245.630 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 75080

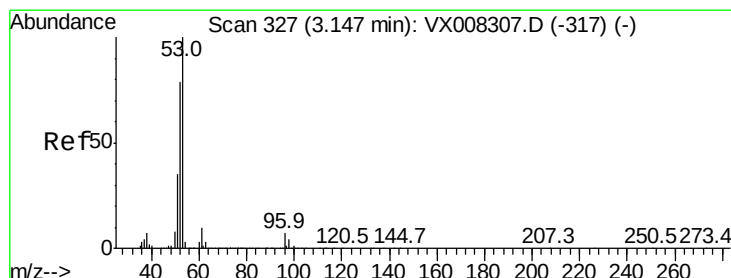
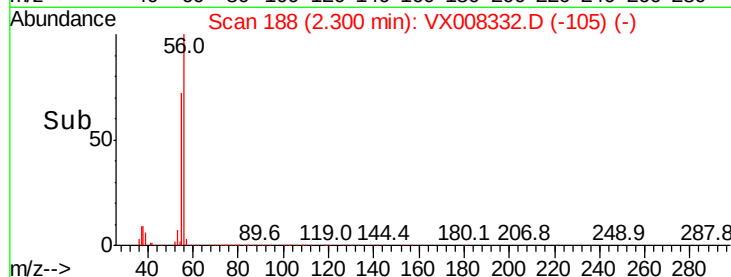
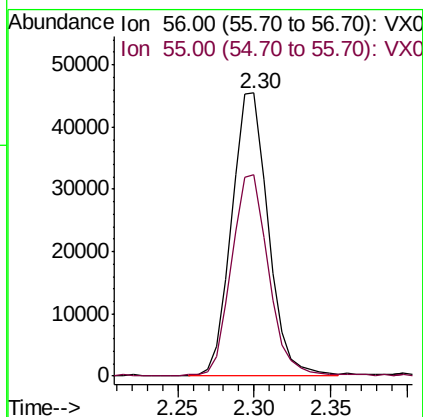
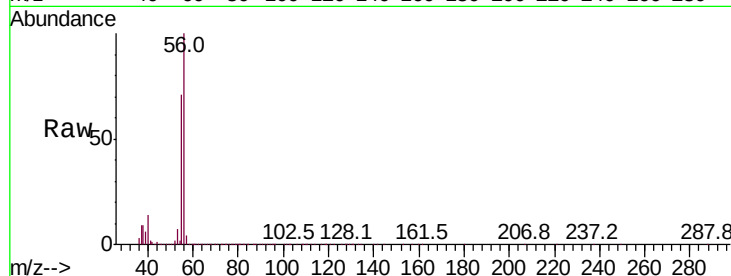
Ion Ratio Lower Upper

56 100

55 72.1 58.6 87.8

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#14

Acrylonitrile

Concen: 238.440 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

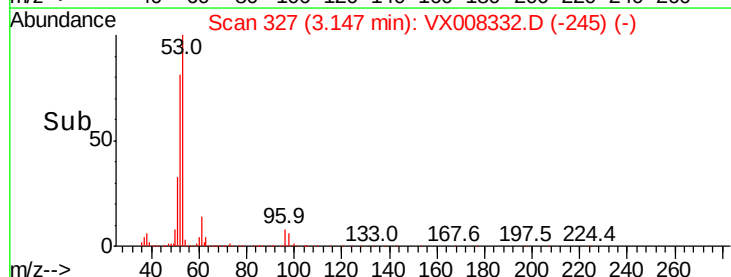
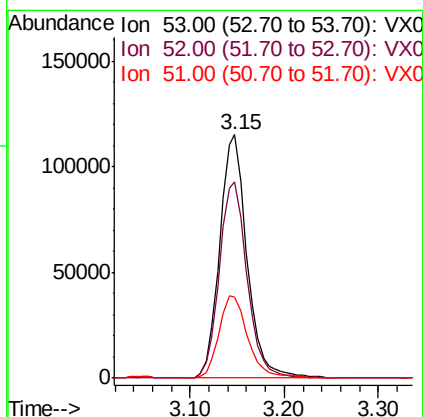
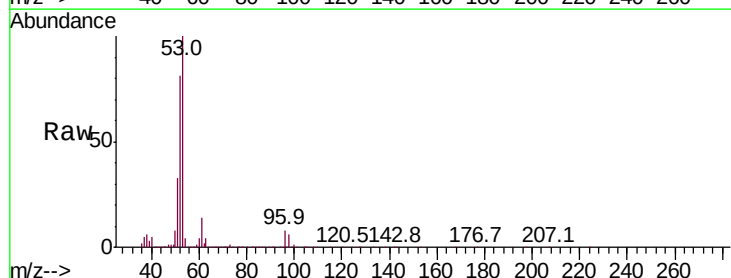
Tgt Ion: 53 Resp: 230882

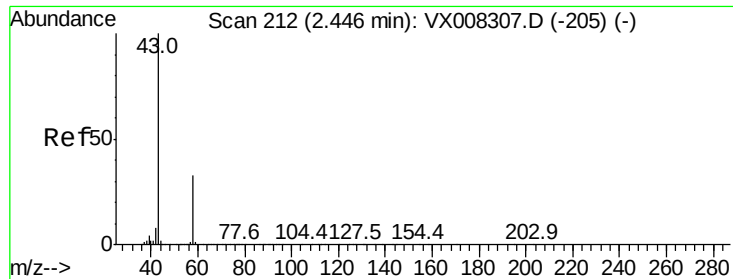
Ion Ratio Lower Upper

53 100

52 81.5 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 252.352 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 95820

Ion Ratio Lower Upper

58 100

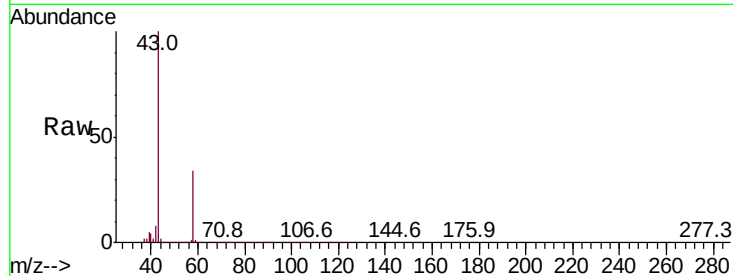
43 296.2 249.8 374.6

Manual Integrations

APPROVED

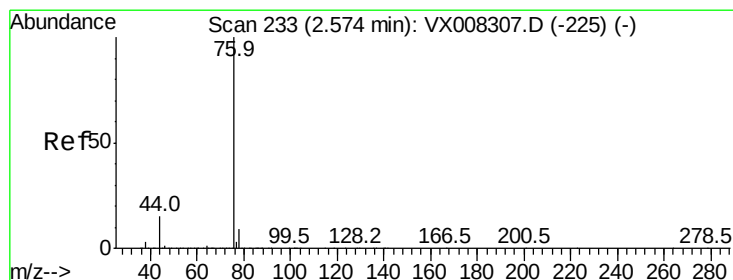
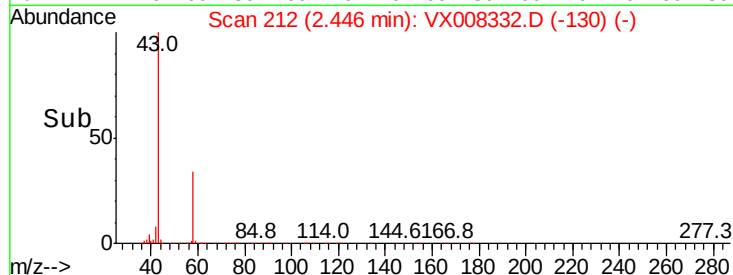
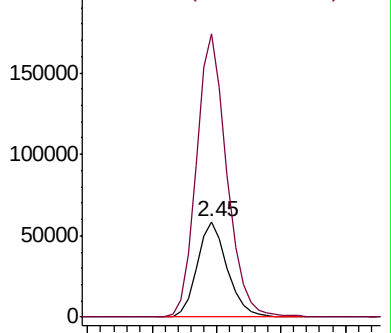
MMDadoda

3/23/2019 9:33:42 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 46.759 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008332.D

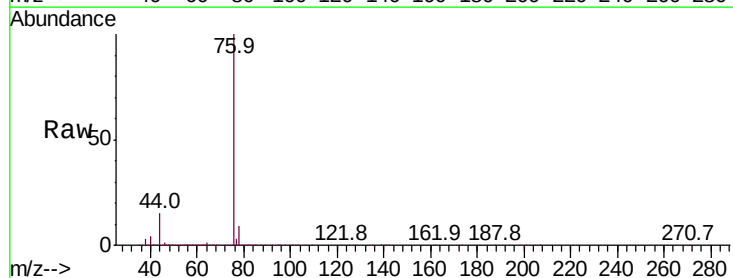
Acq: 22 Mar 2019 11:48

Tgt Ion: 76 Resp: 231827

Ion Ratio Lower Upper

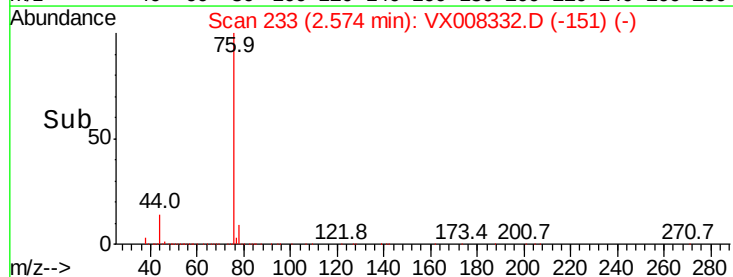
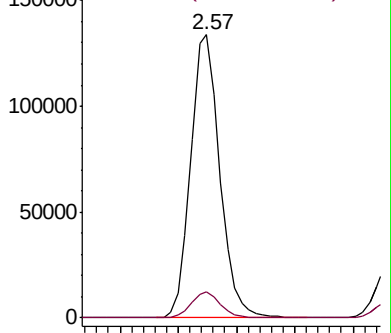
76 100

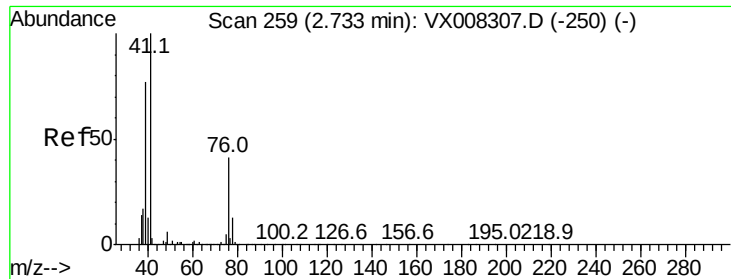
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





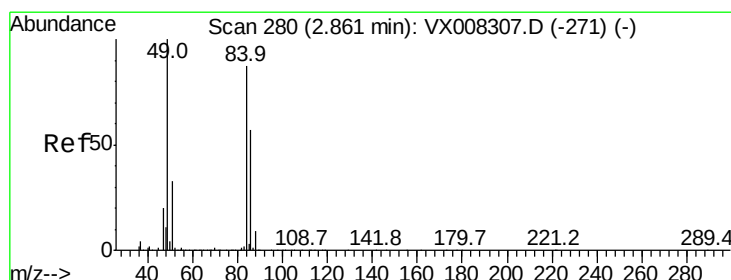
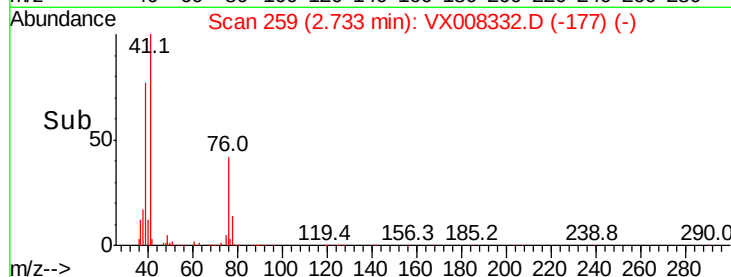
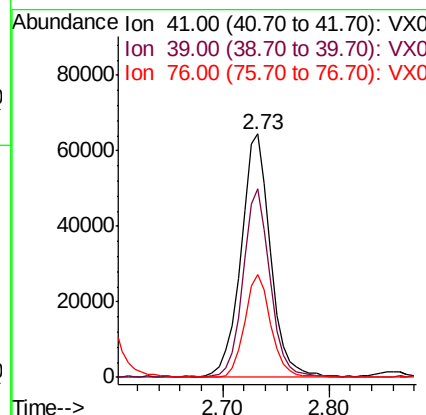
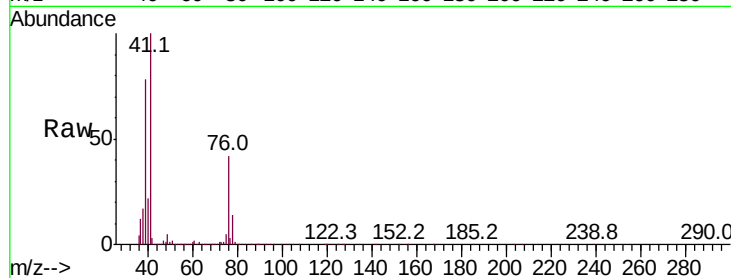
#17
Allvl chloride
Concen: 47.251 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.4	35.8	107.4
76	41.8	18.3	54.9

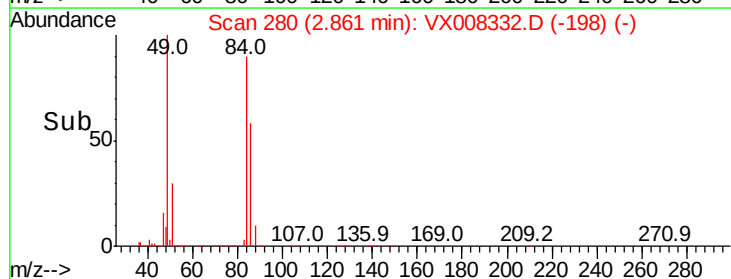
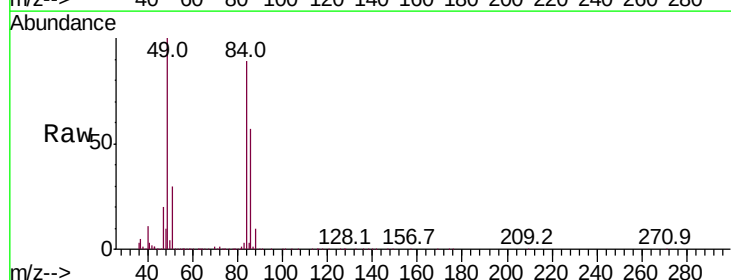
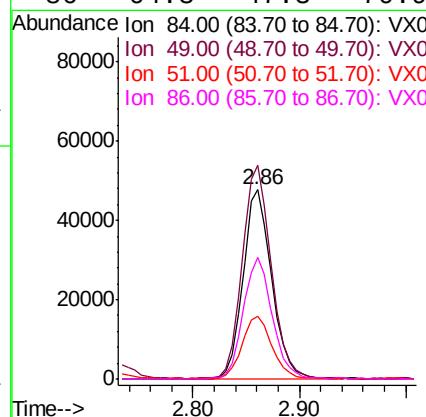
Manual Integrations
APPROVED

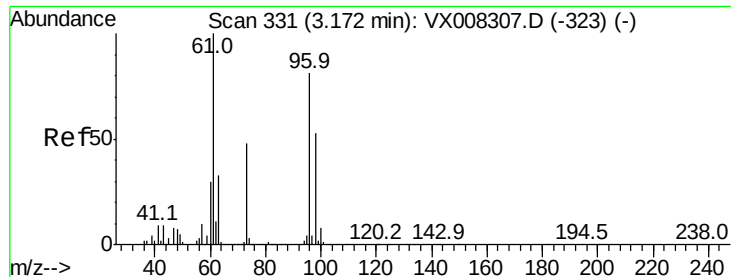
MMDadoda
3/23/2019 9:33:42 AM



#18
Methylene Chloride
Concen: 47.142 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.6	96.1	144.1
51	32.9	29.1	43.7
86	64.3	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 46.499 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

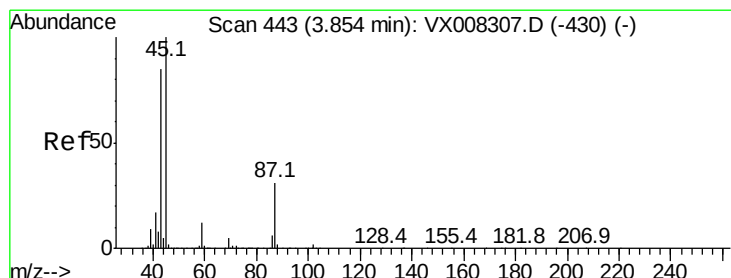
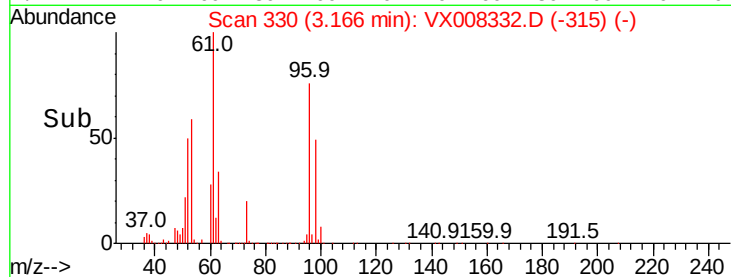
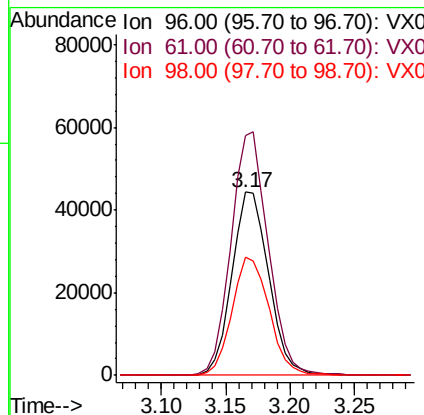
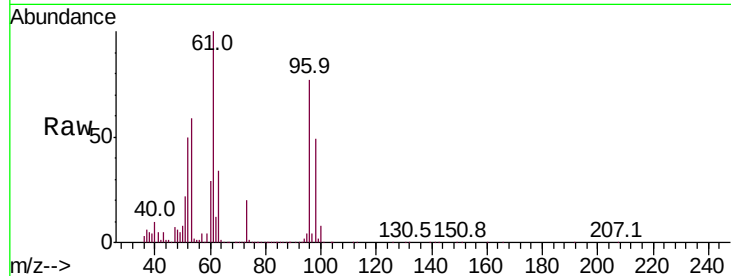
ClientSampleId :

VSTDIC050

Tot Ion:	96	Resp:	88260
Ion	Ratio	Lower	Upper
96	100		
61	130.3	109.9	164.9
98	64.5	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#20

Diisopropyl ether

Concen: 47.426 ug/l

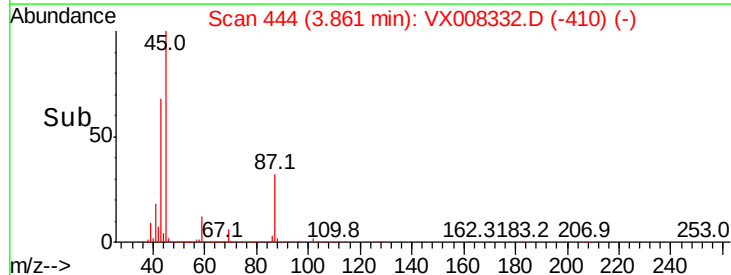
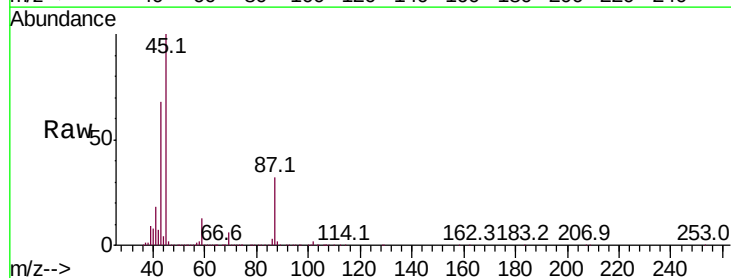
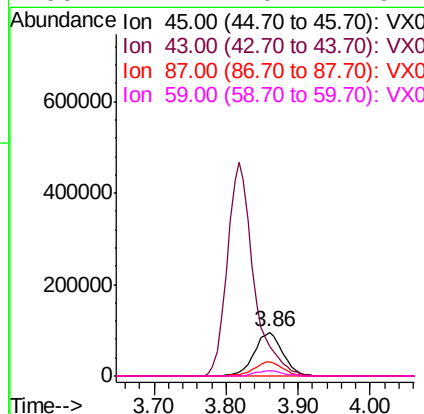
RT: 3.86 min Scan# 444

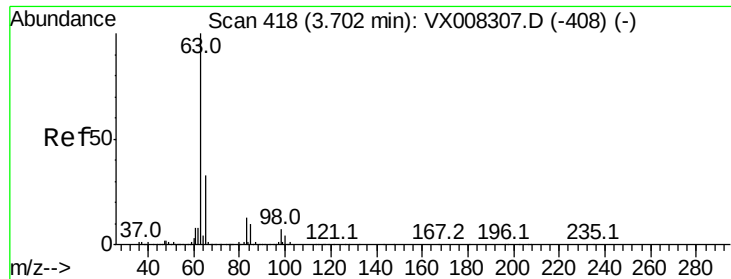
Delta R.T. 0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	45	Resp:	261653
Ion	Ratio	Lower	Upper
45	100		
43	67.8	50.6	76.0
87	32.4	24.5	36.7
59	12.4	10.2	15.2





#21

1,1-Dichloroethane

Concen: 47.725 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

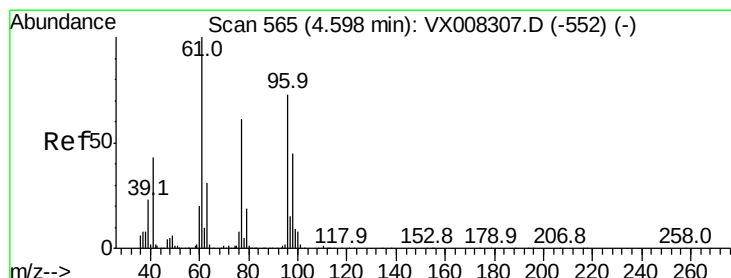
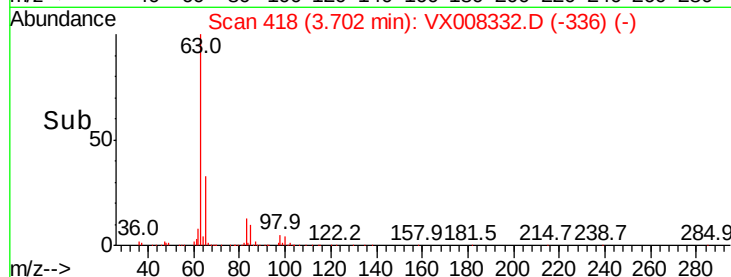
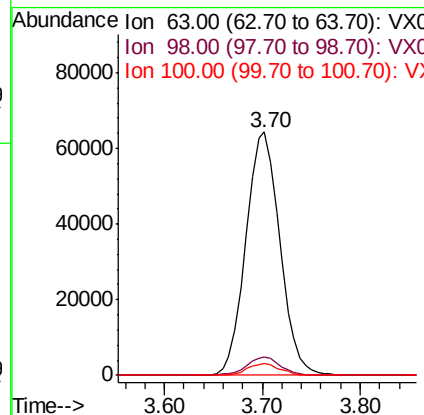
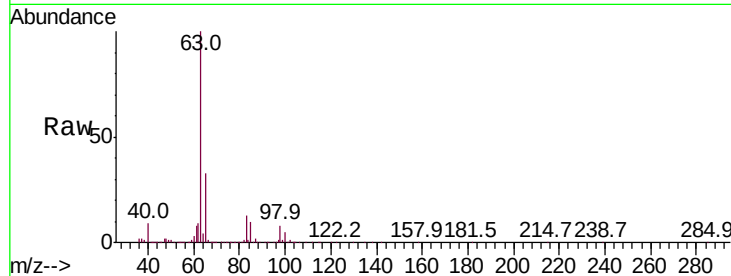
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	155504
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.8	11.4
100	4.7	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#22

cis-1,2-Dichloroethene

Concen: 47.103 ug/l

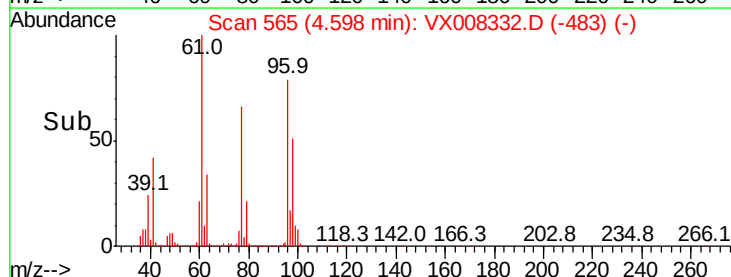
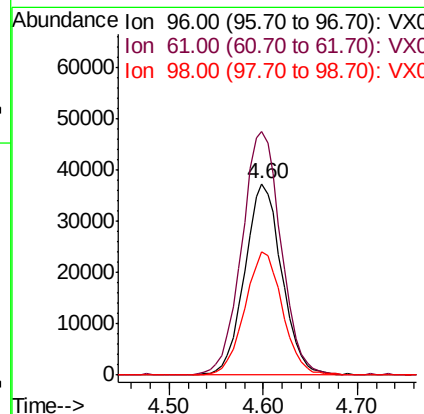
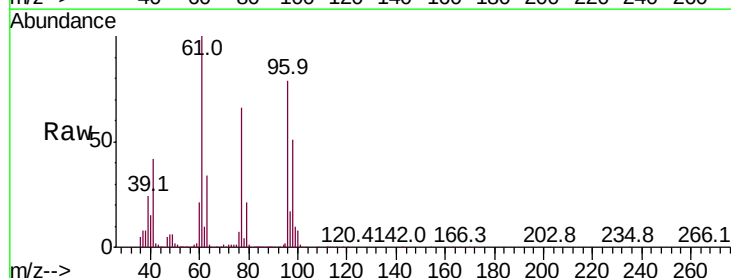
RT: 4.60 min Scan# 565

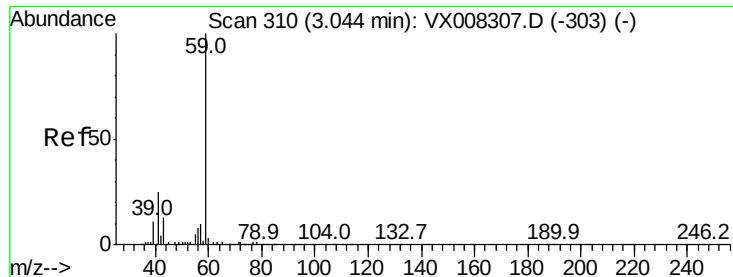
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	96	Resp:	103119
Ion Ratio	Lower	Upper	
96	100		
61	133.7	103.5	155.3
98	65.4	52.1	78.1





#23

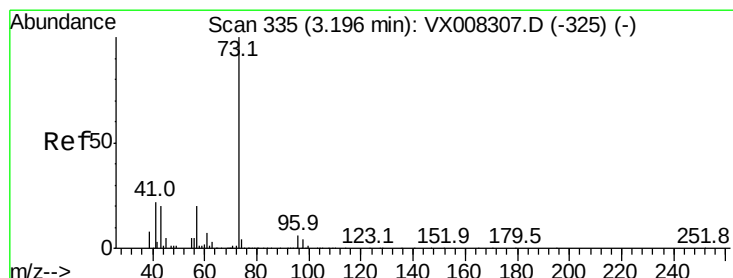
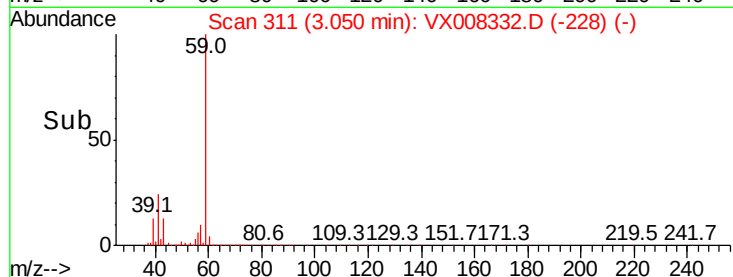
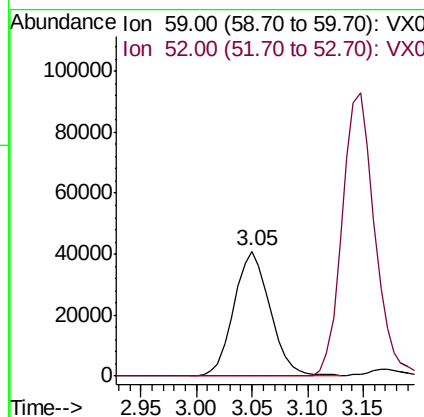
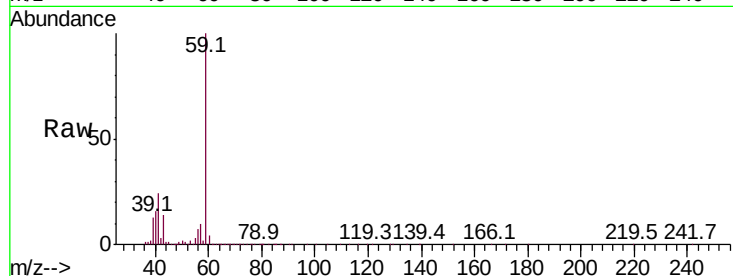
tert-Butyl Alcohol
 Concen: 233.784 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	59	52	Ratio	100	0.0	Resp	91900	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	91900	Lower	Upper

Manual Integrations
 APPROVED

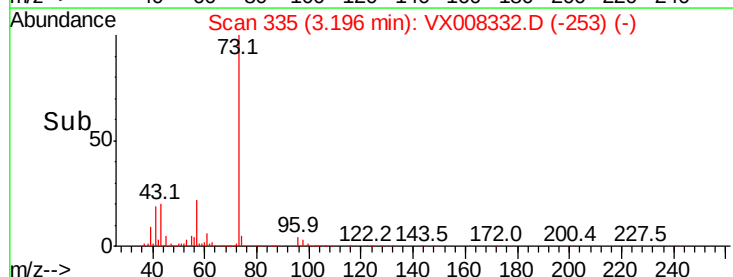
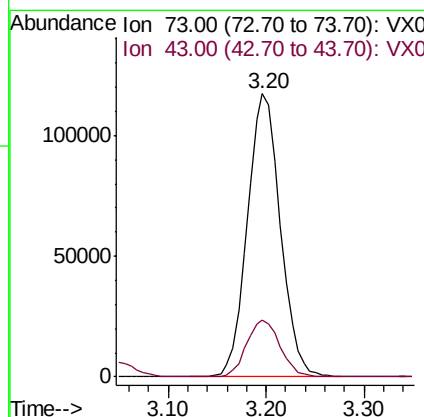
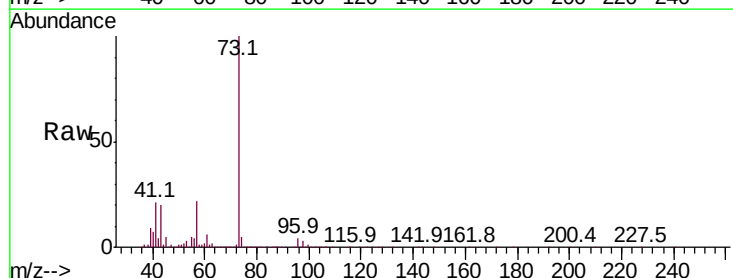
MMDadoda
 3/23/2019 9:33:42 AM

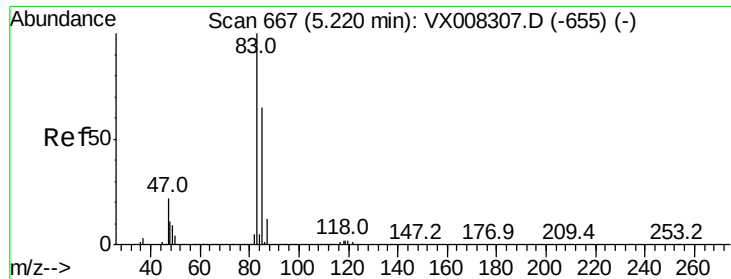


#24

Methyl tert-Butyl Ether
 Concen: 47.758 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	73	43	Ratio	100	20.3	Resp	274351	Lower	Upper
Ion	73	43	Ratio	100	20.3	Resp	274351	Lower	Upper





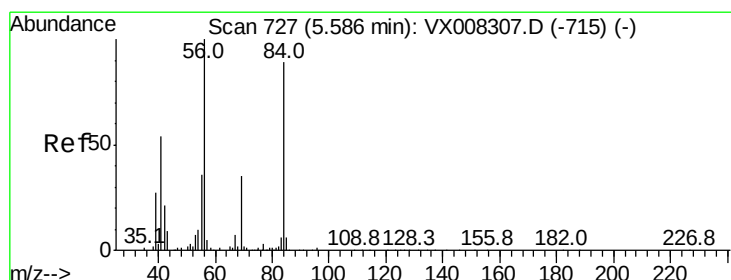
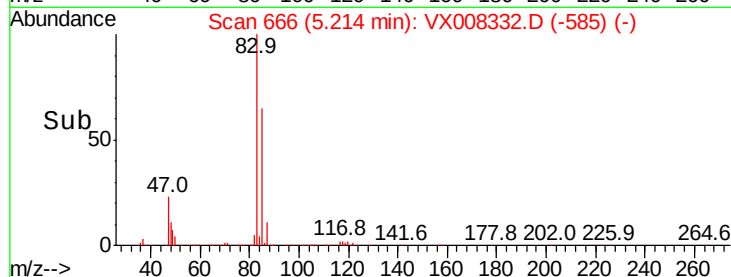
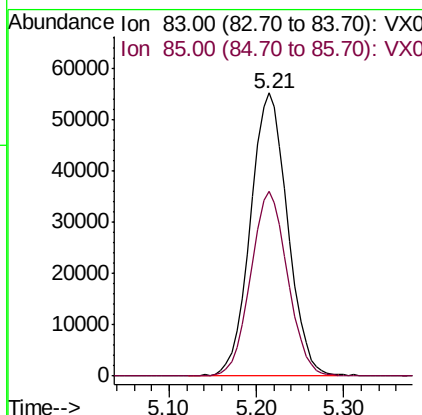
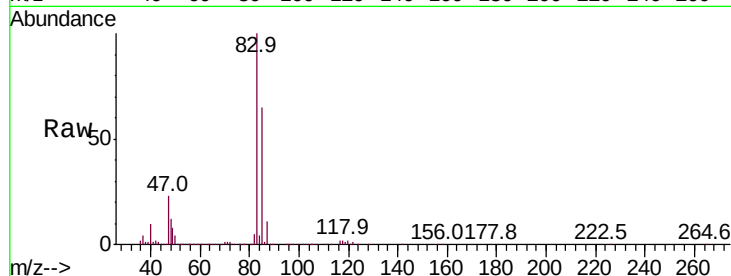
#25
Chloroform
Concen: 47.420 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 83 Resp: 163900
Ion Ratio Lower Upper
83 100
85 65.0 53.8 80.6

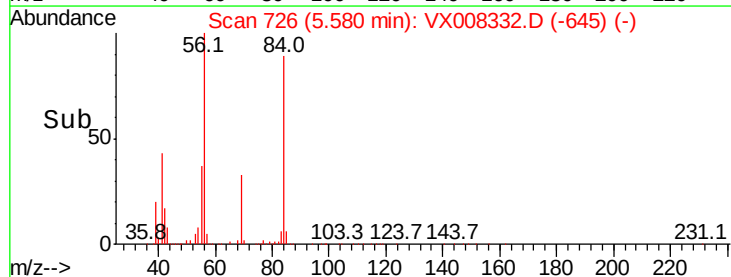
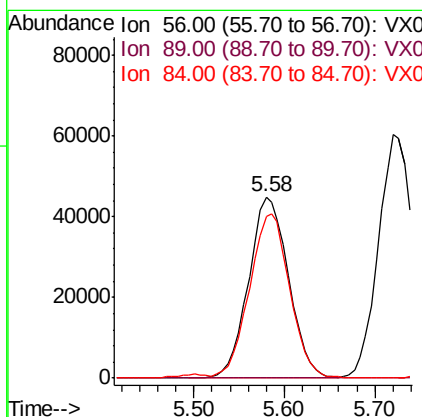
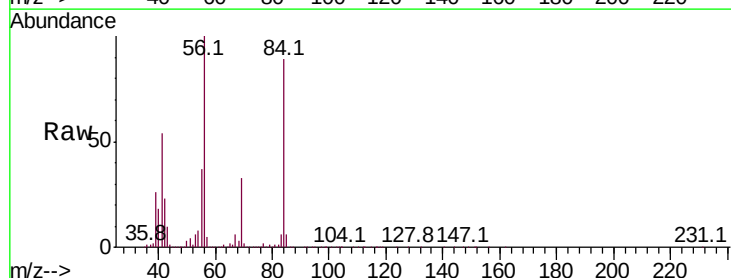
Manual Integrations
APPROVED

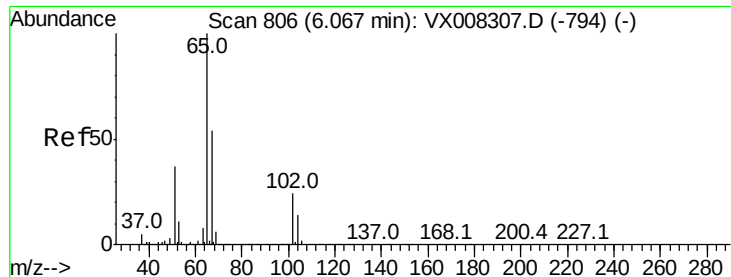
MMDadoda
3/23/2019 9:33:42 AM



#26
Cyclohexane
Concen: 47.391 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion: 56 Resp: 136562
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 91.4 73.9 110.9





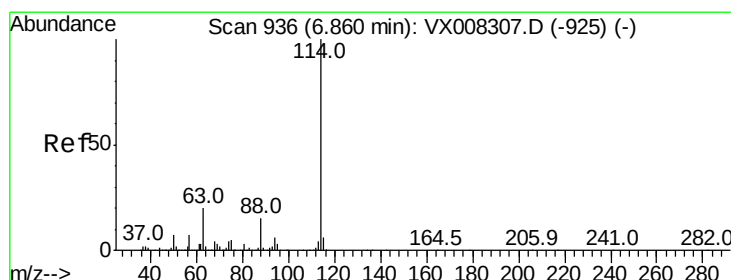
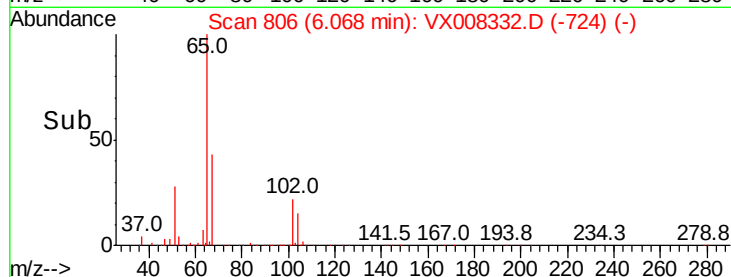
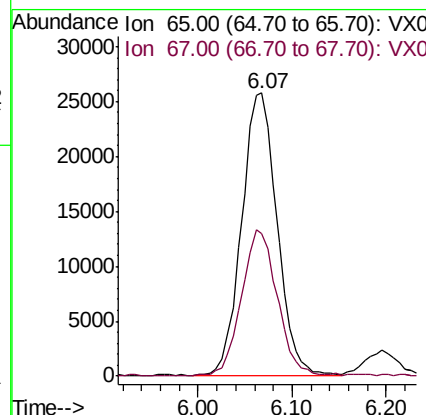
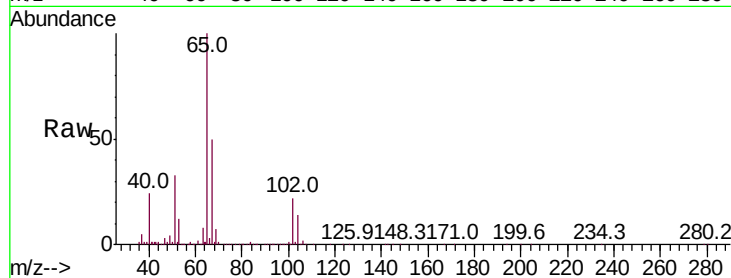
#27
 1,2-Dichloroethane-d4
 Concen: 29.537 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	42.9	64.3

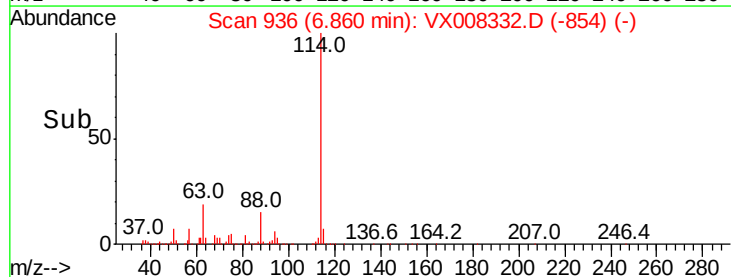
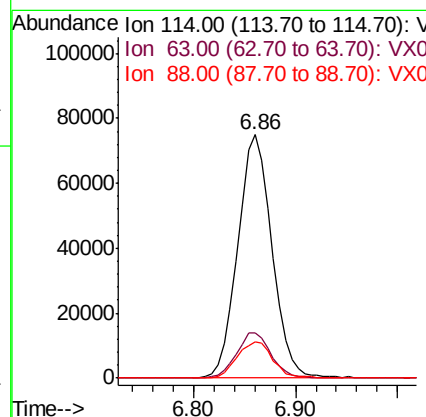
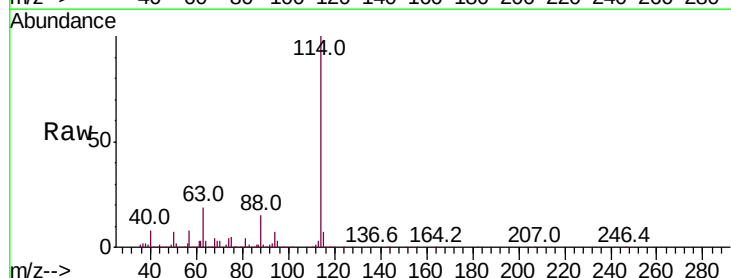
Manual Integrations
 APPROVED

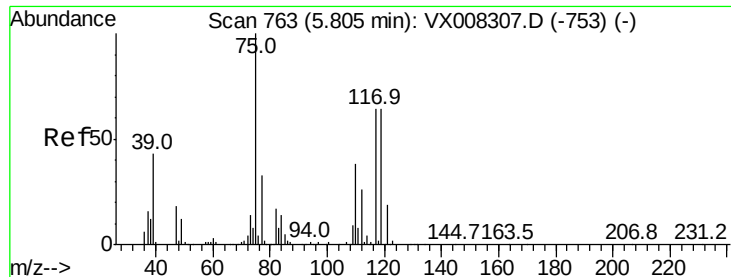
MMDadoda
 3/23/2019 9:33:42 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	14.2	21.4
88	15.7	11.9	17.9





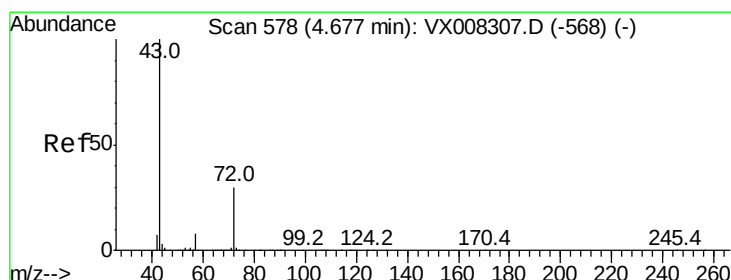
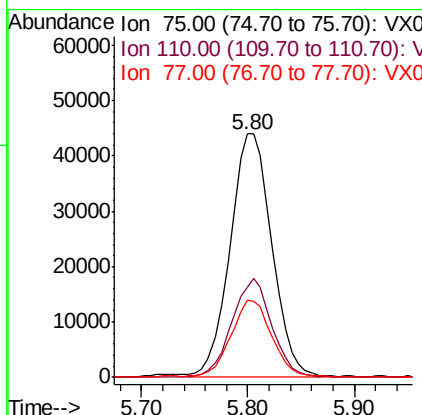
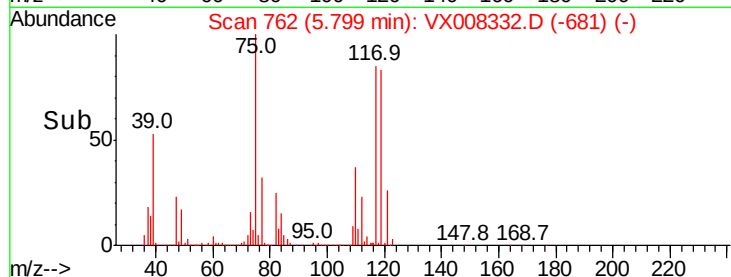
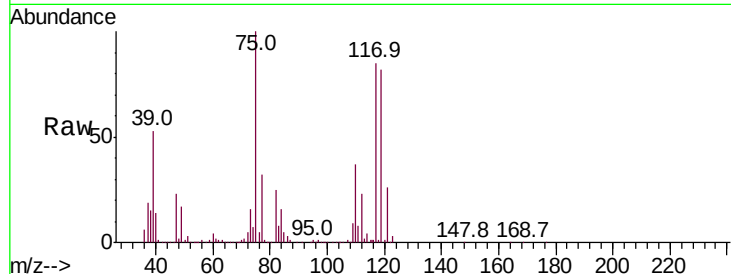
#29
 1,1-Dichloropropene
 Concen: 48.975 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.9	0.0	80.8
77	31.0	0.0	62.4

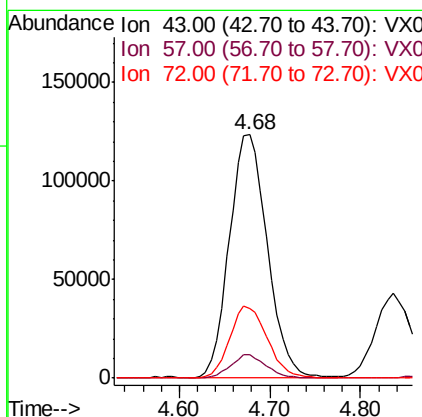
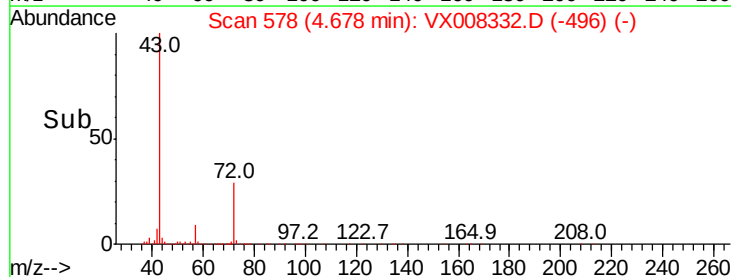
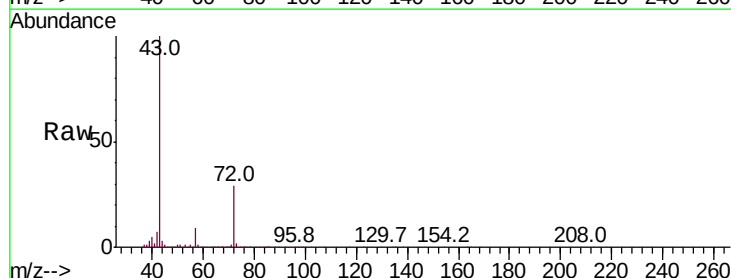
Manual Integrations
 APPROVED

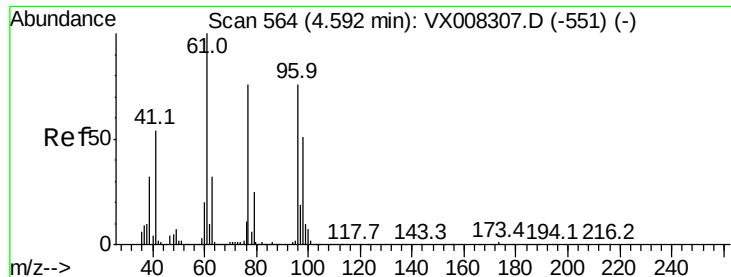
MMDadoda
 3/23/2019 9:33:42 AM



#30
 2-Butanone
 Concen: 251.309 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	7.0	10.6
72	28.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 48.475 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 112581

Ion Ratio Lower Upper

77 100

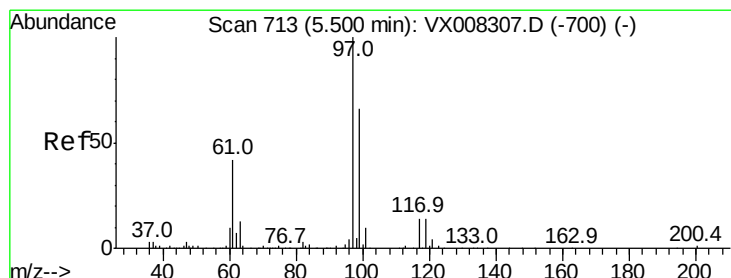
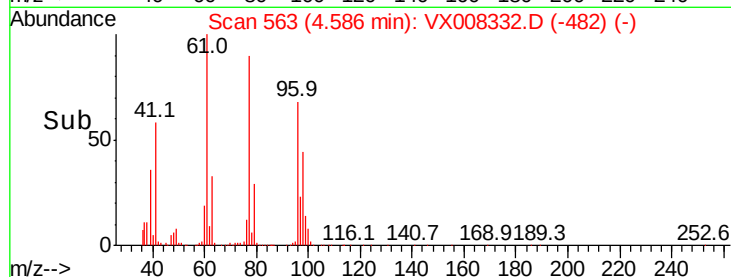
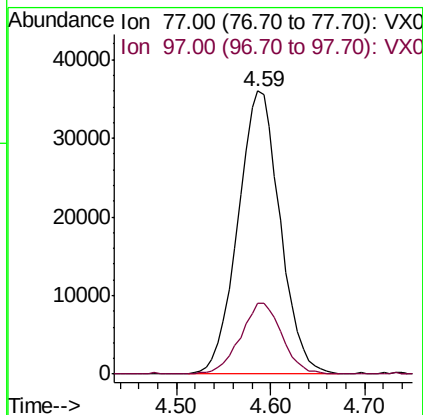
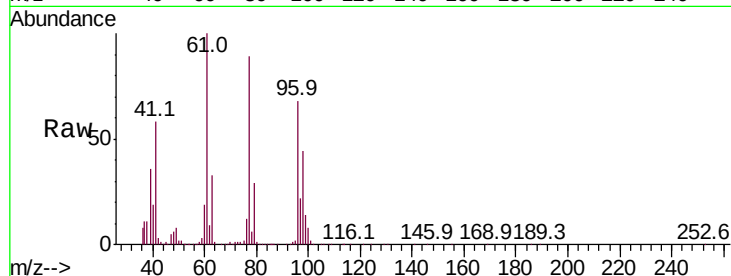
97 24.9 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#32

1,1,1-Trichloroethane

Concen: 48.760 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

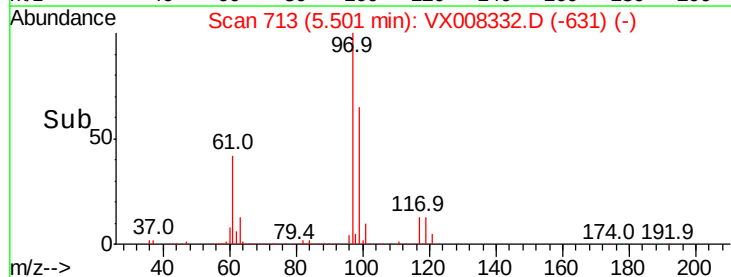
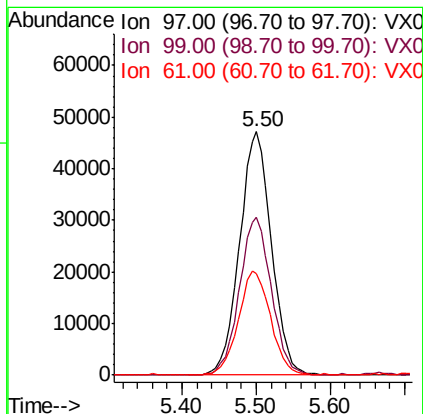
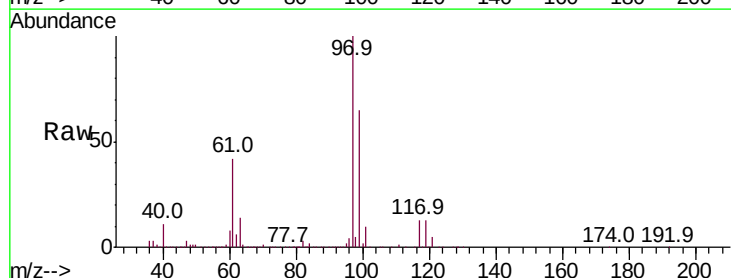
Tgt Ion: 97 Resp: 141522

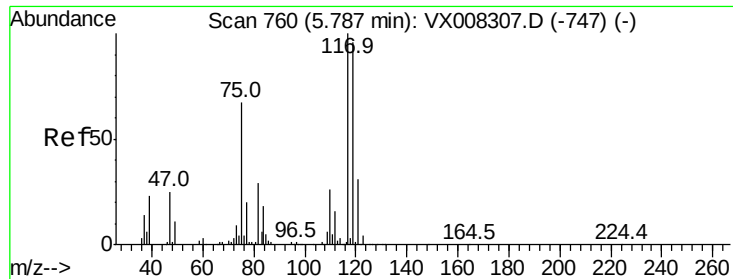
Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 42.9 32.8 49.2





#33

Carbon Tetrachloride

Concen: 48.906 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

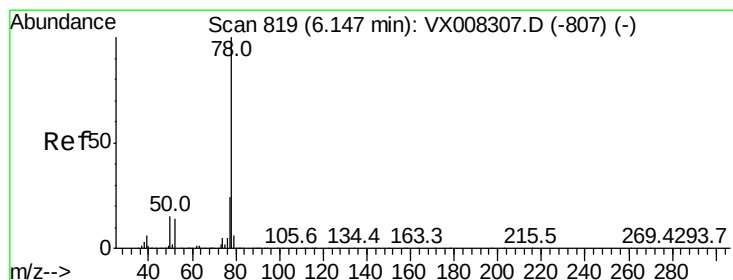
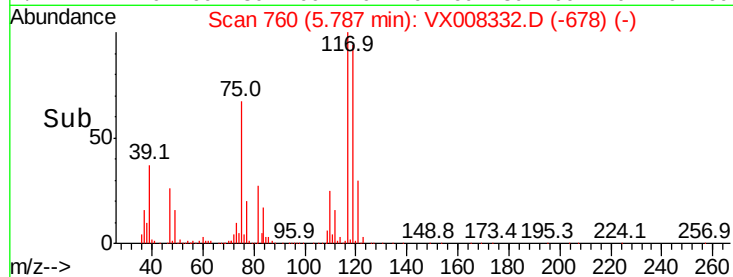
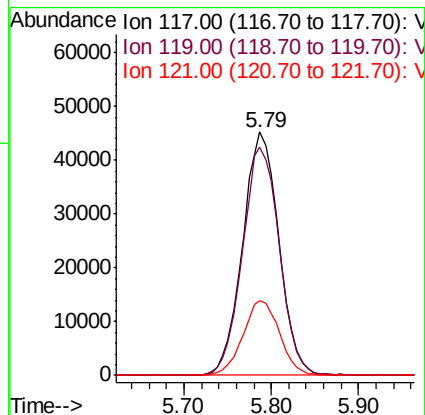
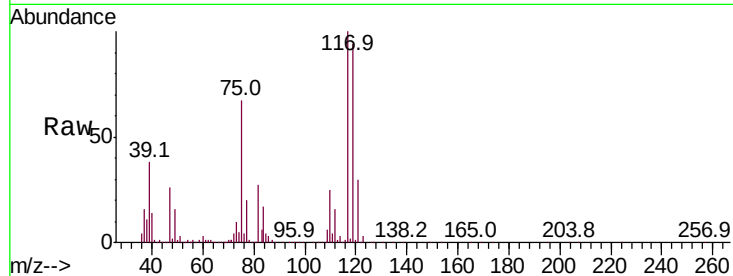
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	130362
Ion Ratio	Lower	Upper	
117	100		
119	94.0	78.1	117.1
121	30.4	27.0	40.6

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#34

Benzene

Concen: 49.320 ug/l

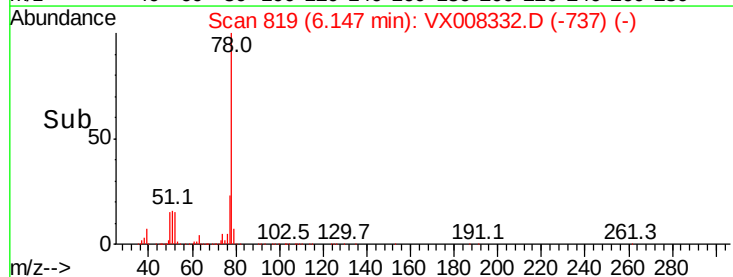
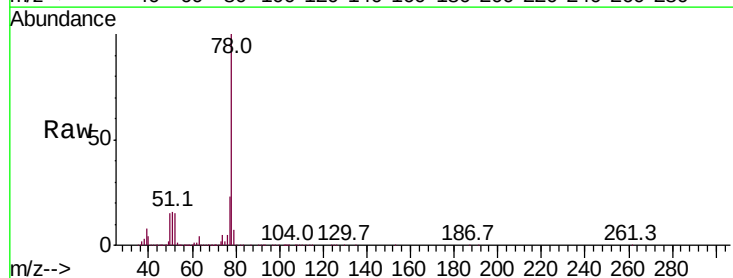
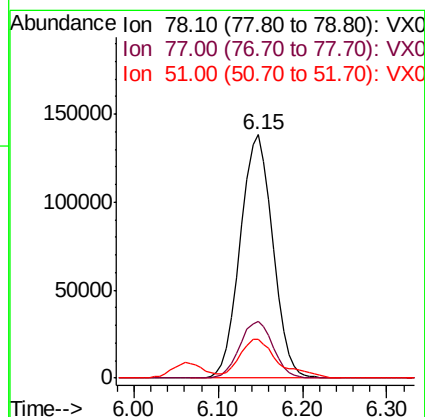
RT: 6.15 min Scan# 819

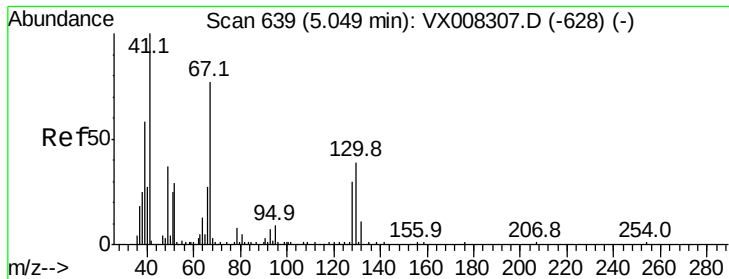
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	78	Resp:	362395
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7
51	15.7	10.8	16.2





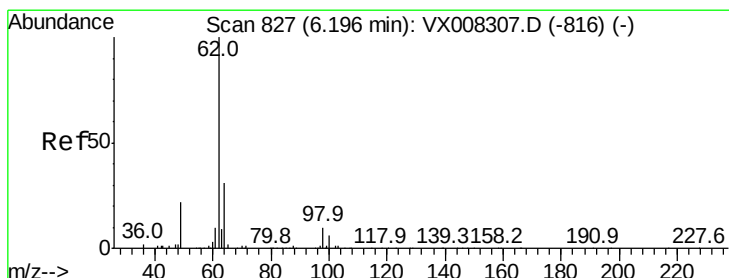
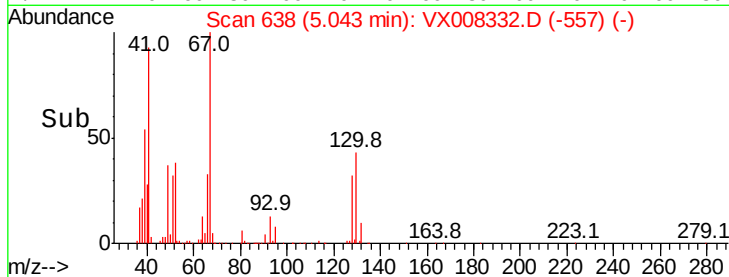
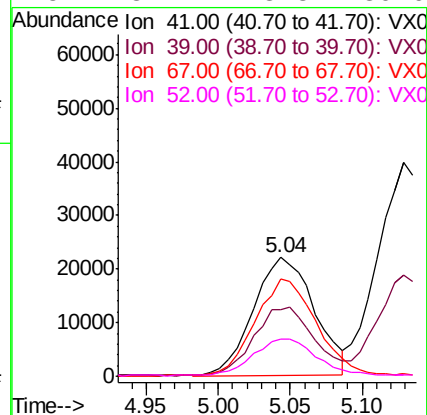
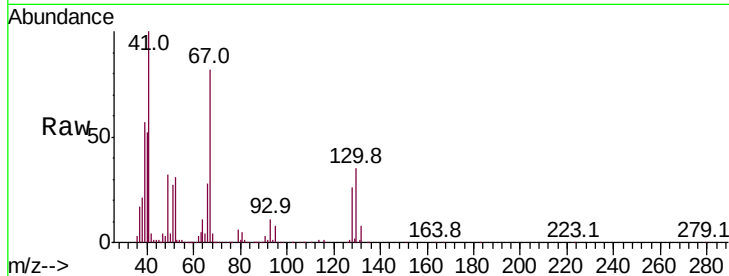
#35
Methacrylonitrile
Concen: 49.037 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	27.4	82.0	
67	82.3	37.9	113.6	
52	31.1	13.3	39.9	

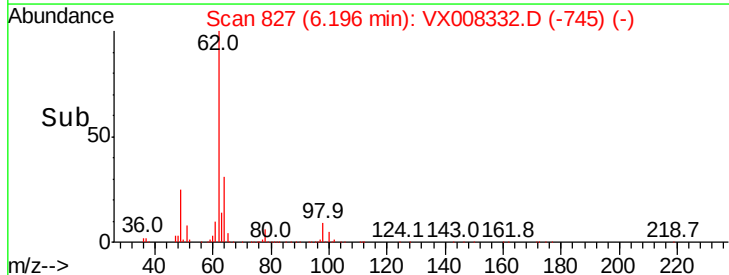
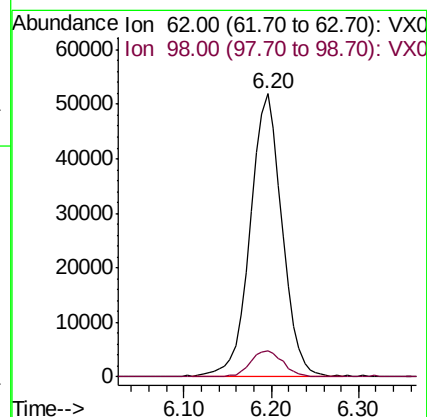
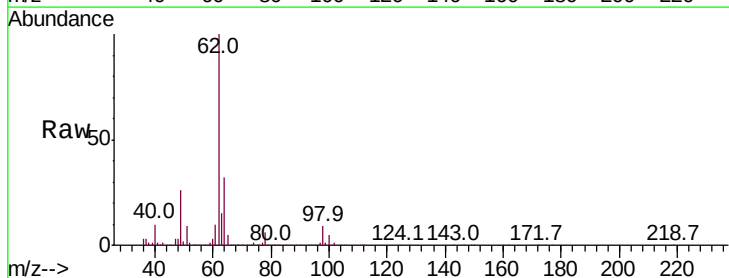
Manual Integrations
APPROVED

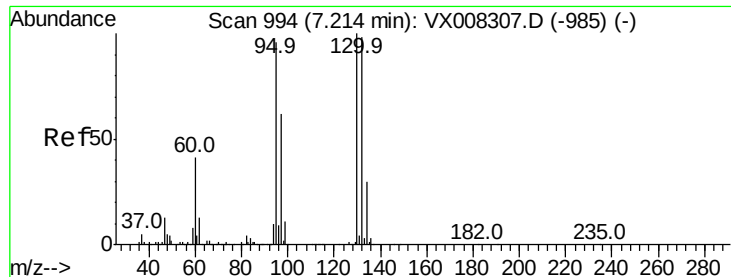
MMDadoda
3/23/2019 9:33:42 AM



#36
1,2-Dichloroethane
Concen: 48.172 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	7.8	11.8	





#37

Trichloroethene

Concen: 48.411 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 104586

Ion Ratio Lower Upper

130 100

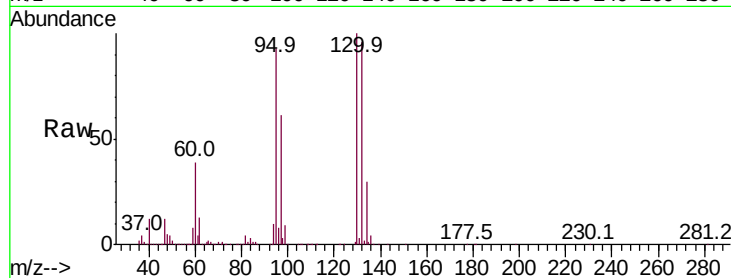
95 92.5 71.3 106.9

Manual Integrations

APPROVED

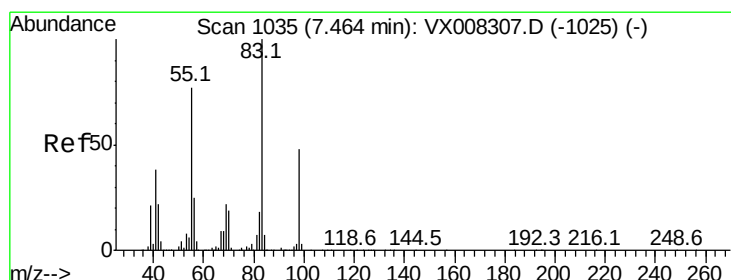
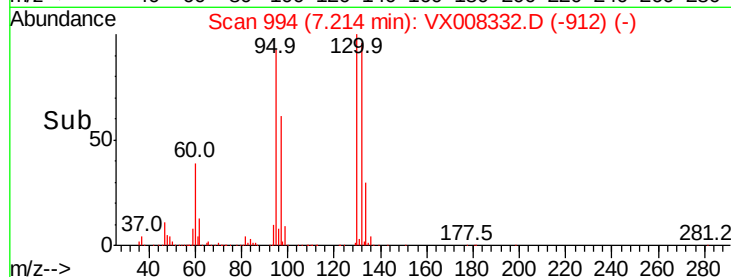
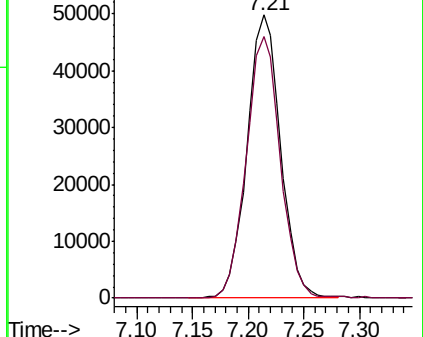
MMDadoda

3/23/2019 9:33:42 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 49.048 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

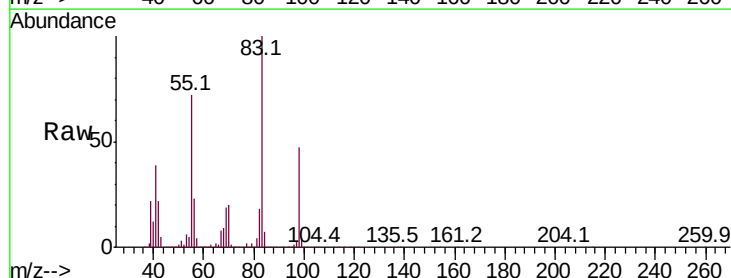
Tgt Ion: 83 Resp: 151636

Ion Ratio Lower Upper

83 100

55 71.1 36.0 108.0

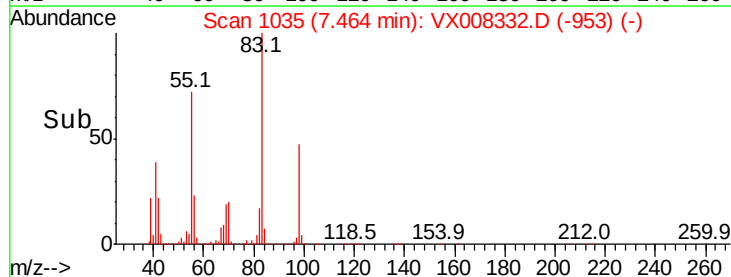
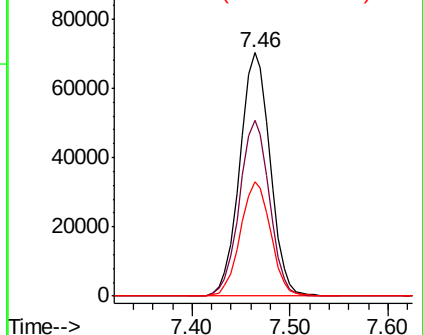
98 47.2 23.8 71.4

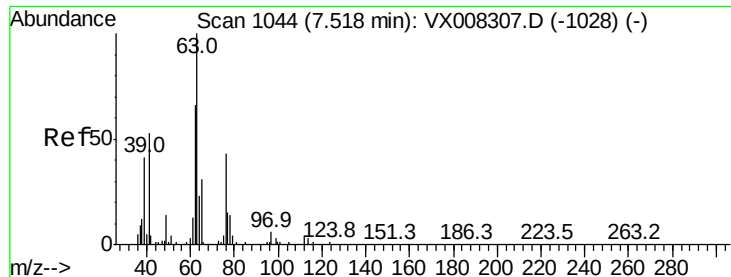


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





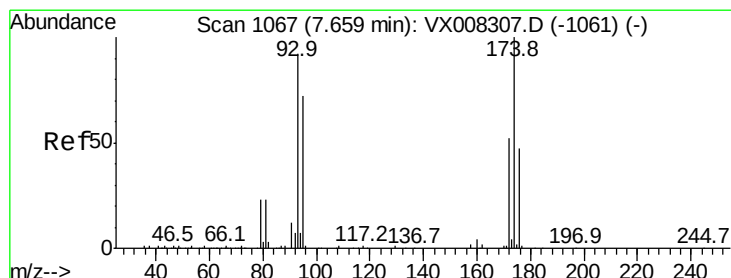
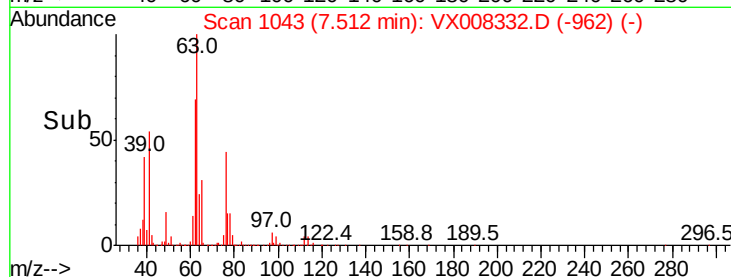
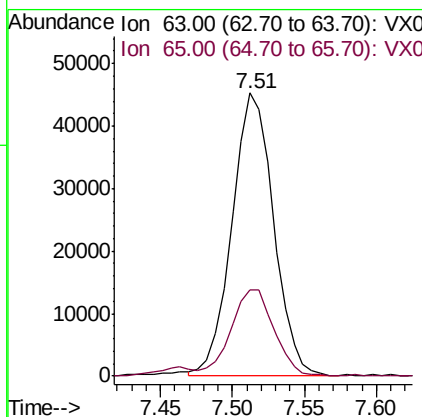
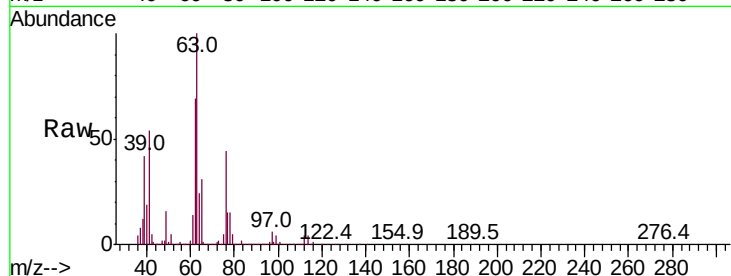
#39
 1,2-Dichloropropane
 Concen: 48.500 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

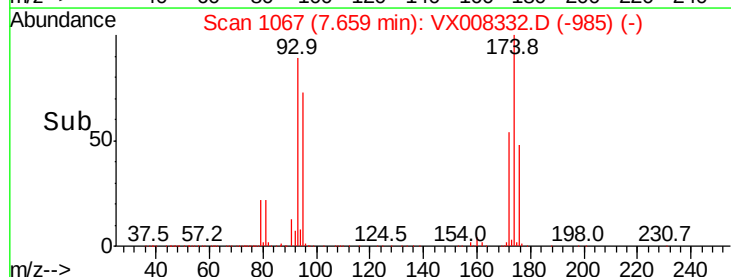
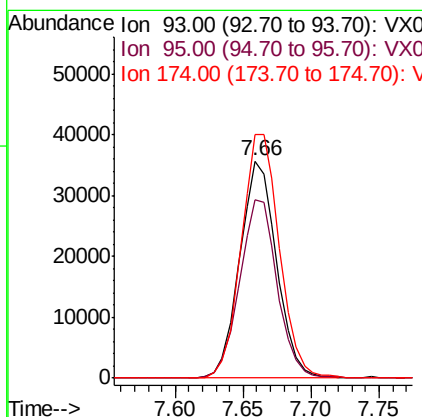
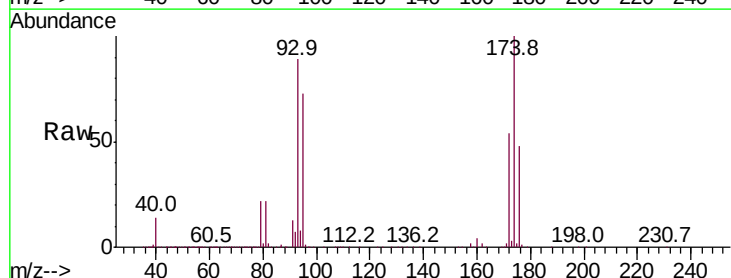
Manual Integrations
 APPROVED

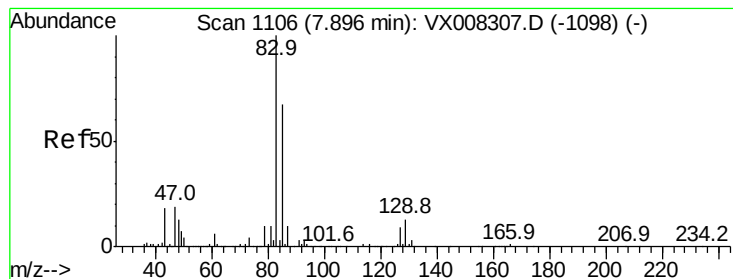
MMDadoda
 3/23/2019 9:33:42 AM



#40
 Dibromomethane
 Concen: 49.328 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	158.8
174	116.1	0.0	224.2





#41

Bromodichloromethane

Concen: 49.659 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

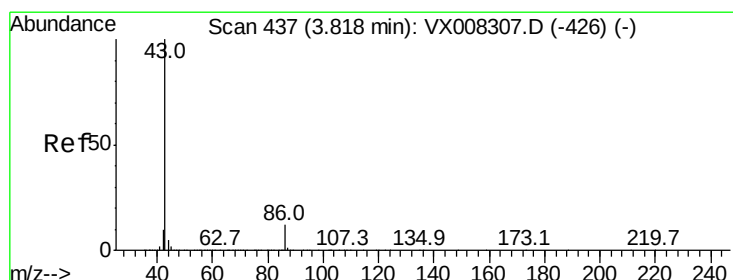
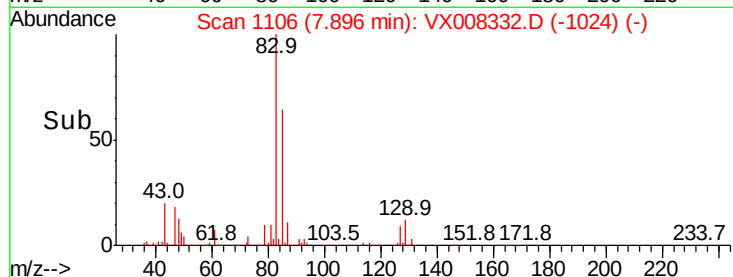
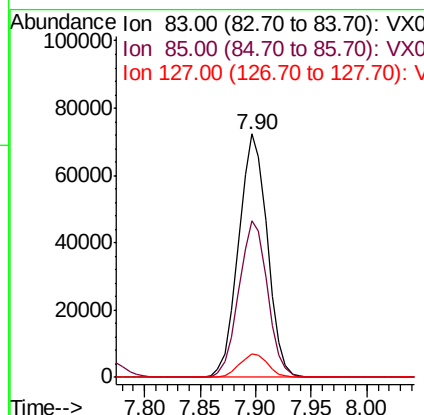
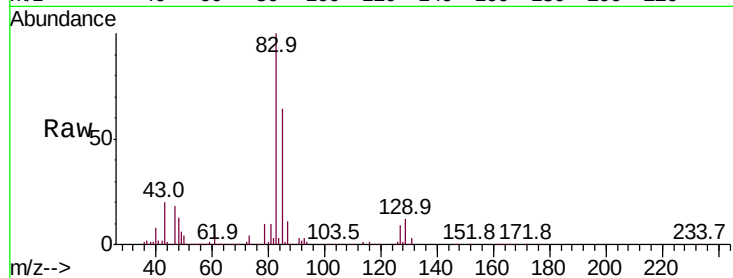
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	129215
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	9.4	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#42

Vinyl Acetate

Concen: 248.400 ug/l

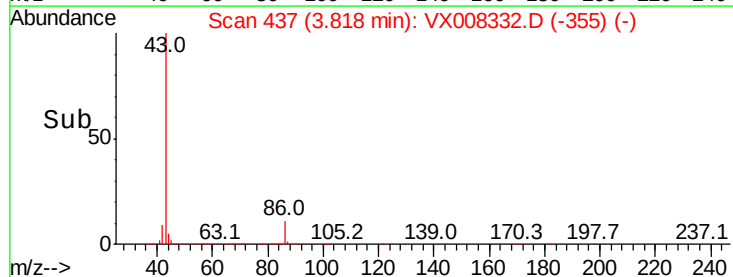
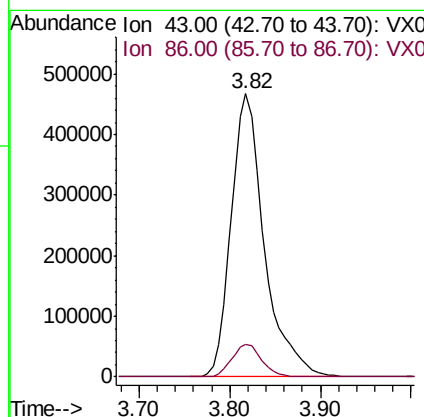
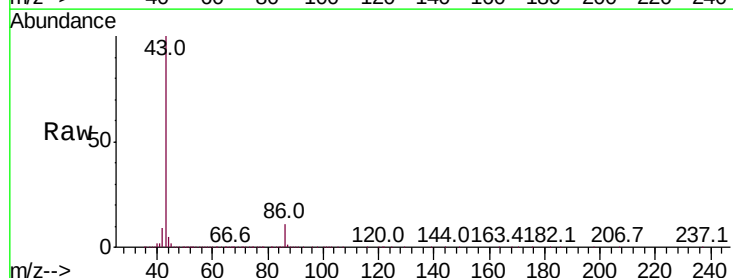
RT: 3.82 min Scan# 437

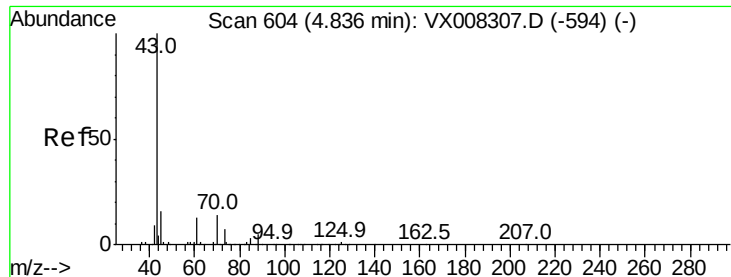
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	43	Resp:	1186234
Ion Ratio	Lower	Upper	
43	100		
86	10.5	8.2	12.2





#43

Ethyl Acetate

Concen: 49.574 ug/l m

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 124399

Ion Ratio Lower Upper

43 100

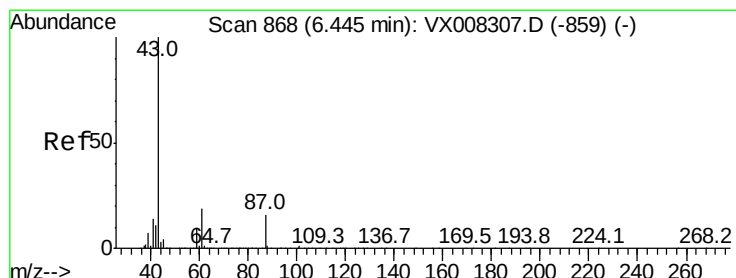
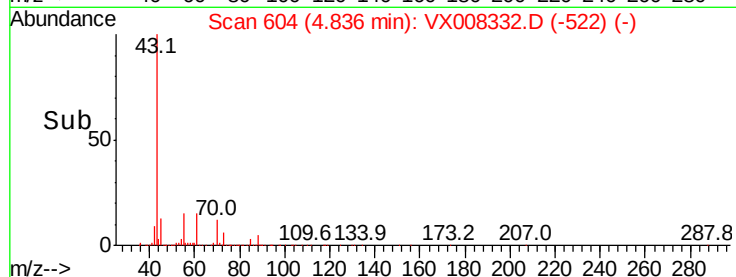
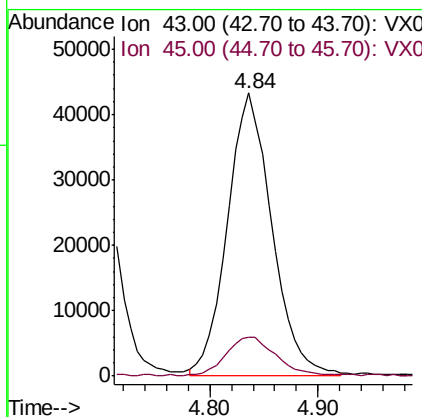
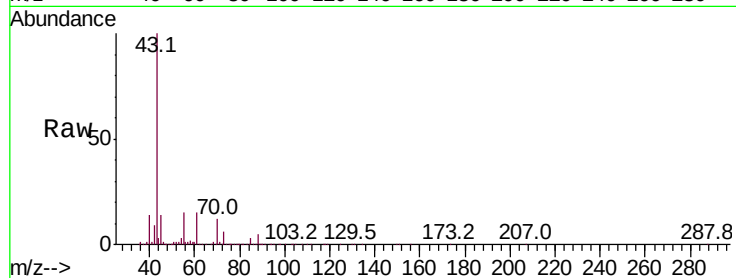
45 0.0 6.9 10.3#

Manual Integrations

APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#44

Isopropyl Acetate

Concen: 49.571 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008332.D

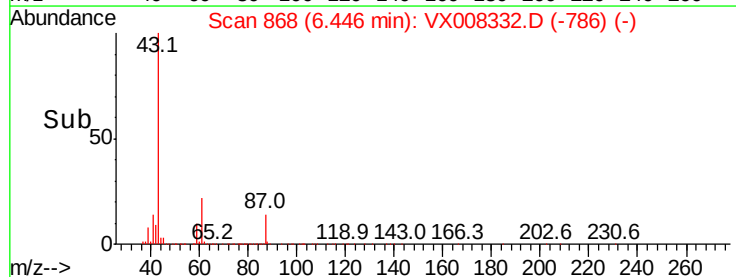
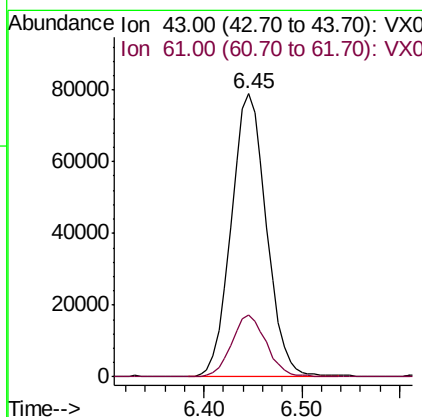
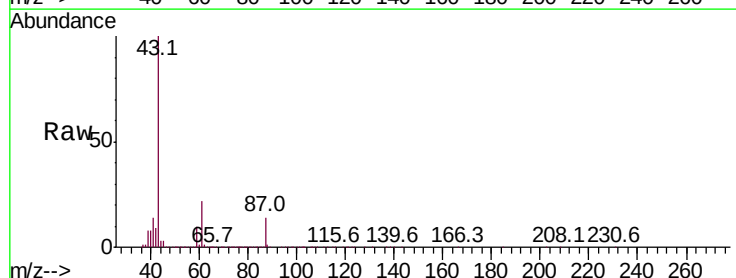
Acq: 22 Mar 2019 11:48

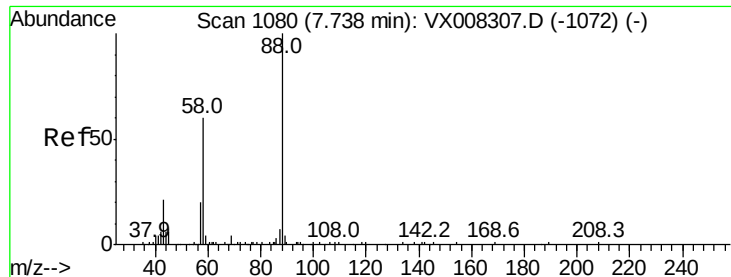
Tgt Ion: 43 Resp: 195650

Ion Ratio Lower Upper

43 100

61 21.2 16.1 24.1





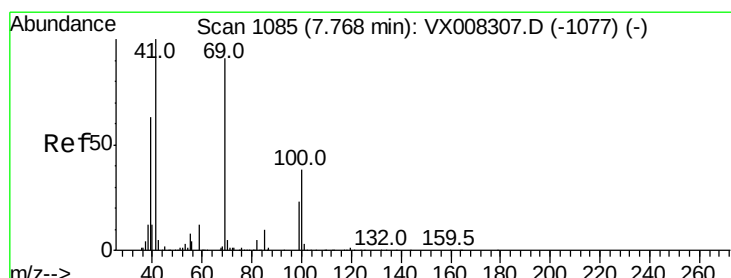
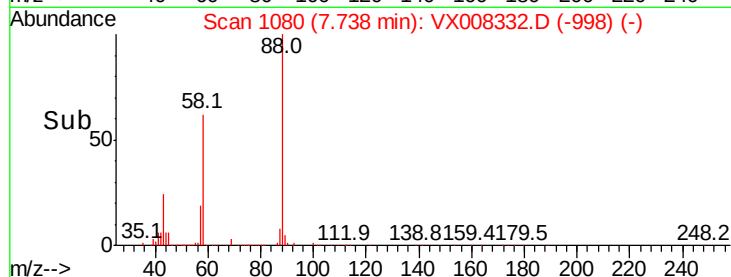
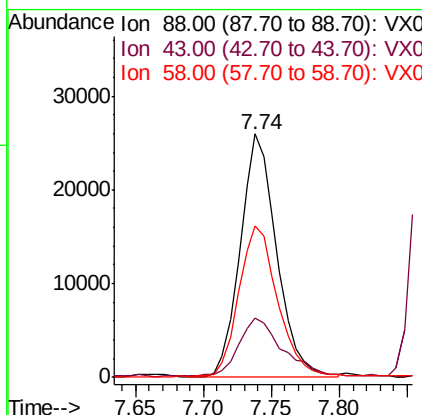
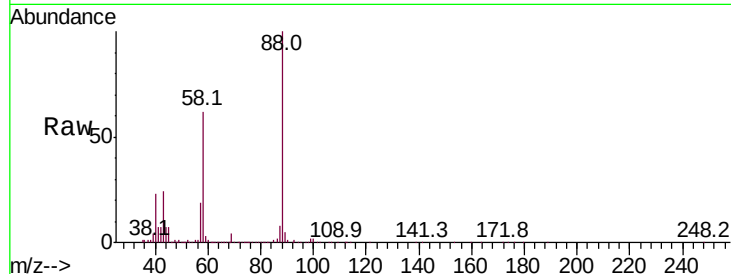
#45
1,4-Dioxane
Concen: 974.969 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.6	35.4
58	65.7	51.6	77.4

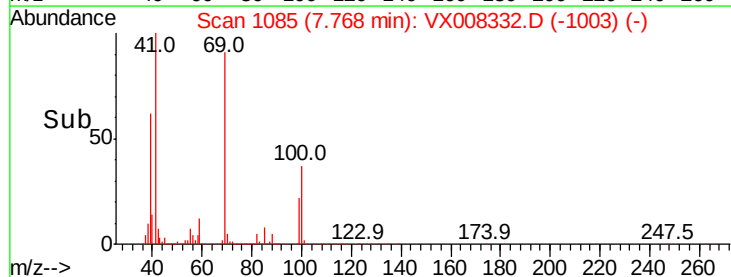
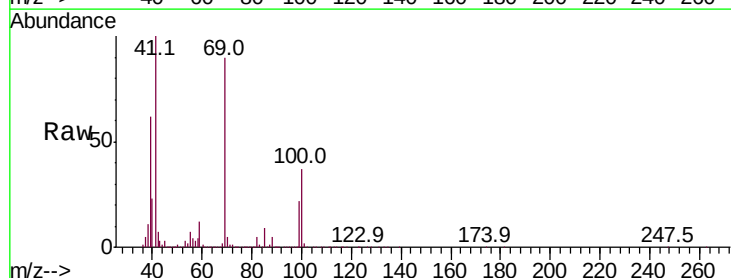
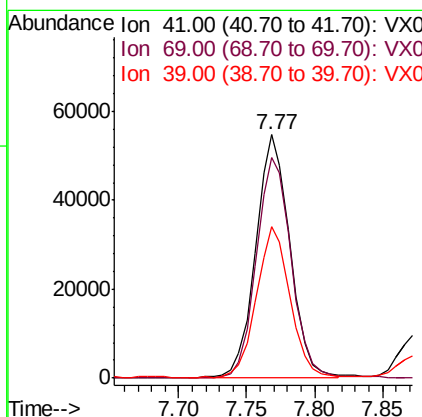
Manual Integrations
APPROVED

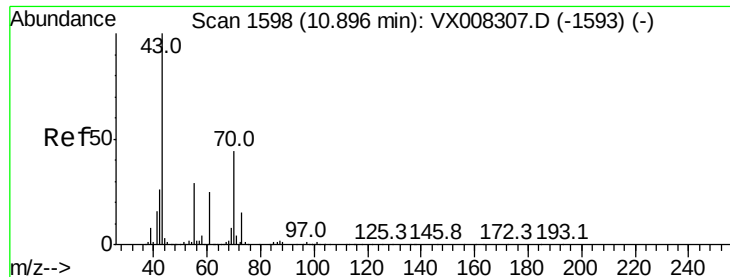
MMDadoda
3/23/2019 9:33:42 AM



#46
Methyl methacrylate
Concen: 49.390 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.6	44.2	132.6
39	61.8	29.9	89.8





#47

n-amvl Acetate

Concen: 50.300 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 170210

Ion Ratio Lower Upper

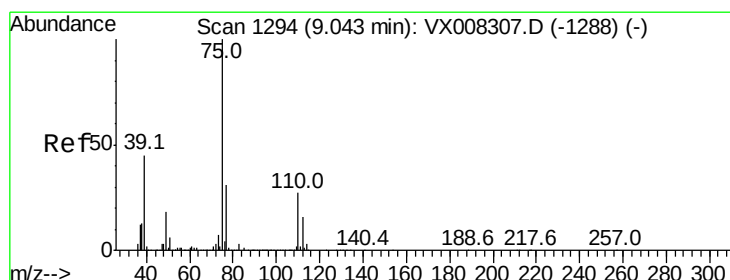
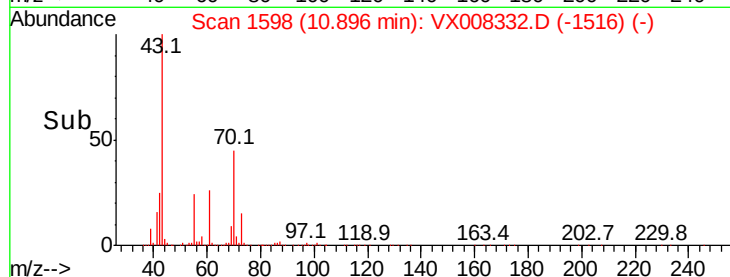
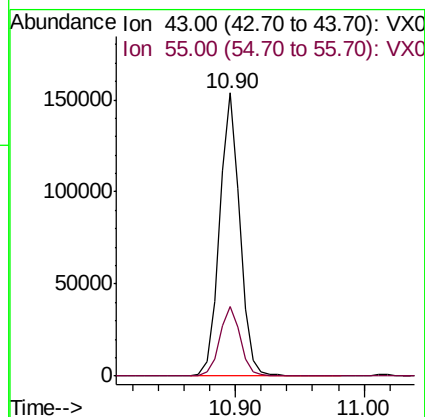
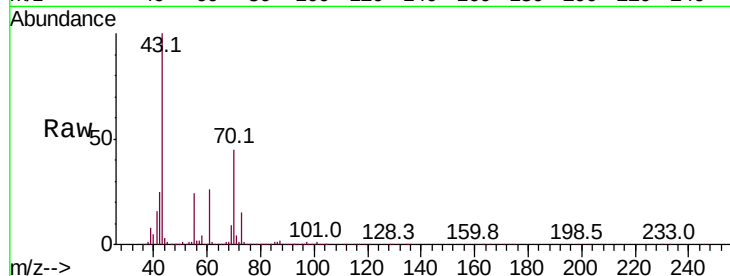
43 100

55 24.9 20.8 31.2

Manual Integrations
APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#48

t-1,3-Dichloropropene

Concen: 50.241 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008332.D

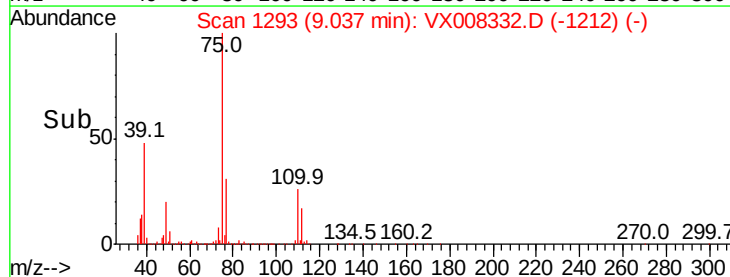
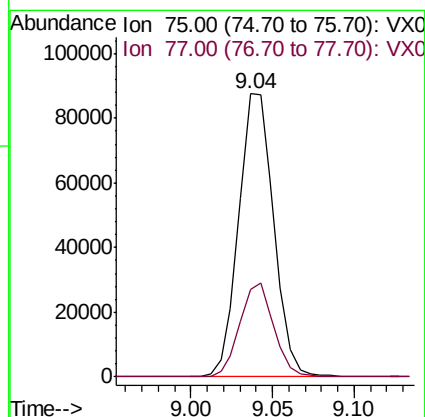
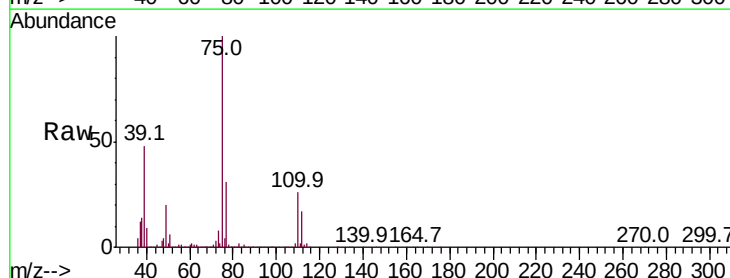
Acq: 22 Mar 2019 11:48

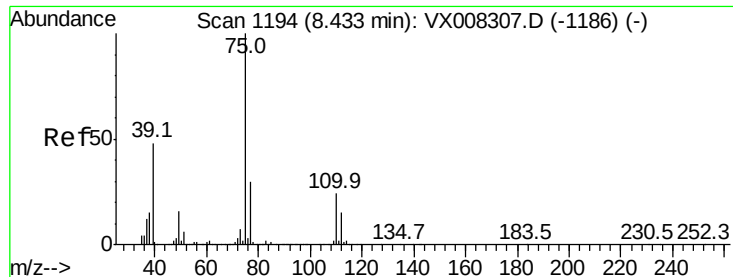
Tgt Ion: 75 Resp: 130887

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7





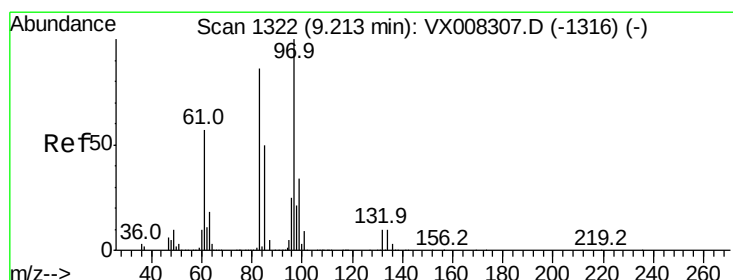
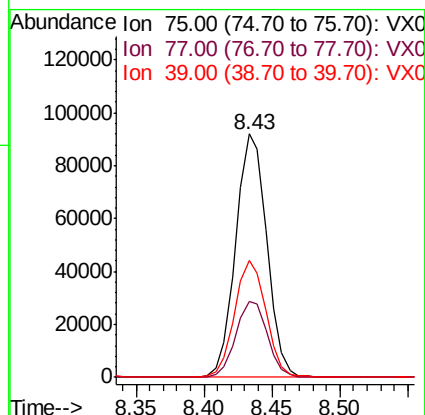
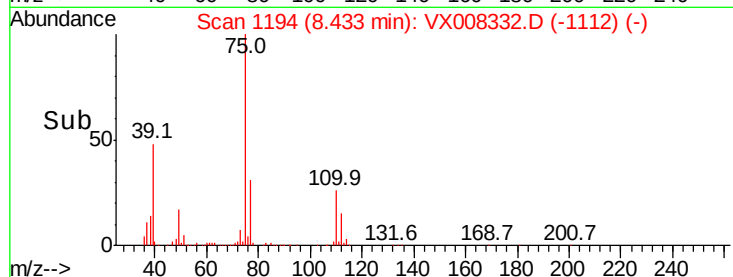
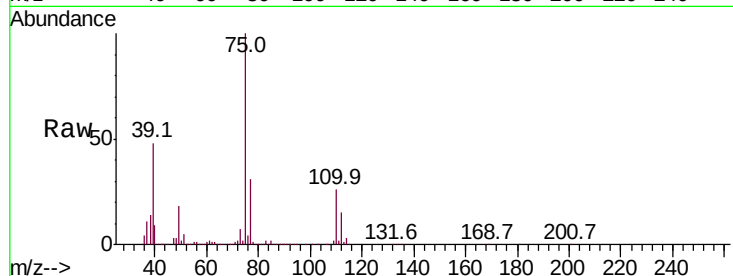
#49
 cis-1,3-Dichloropropene
 Concen: 50.491 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	47.9	38.5	57.7

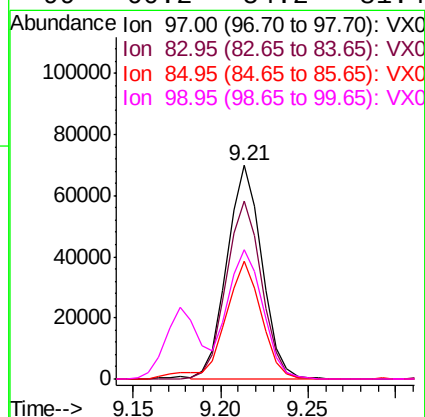
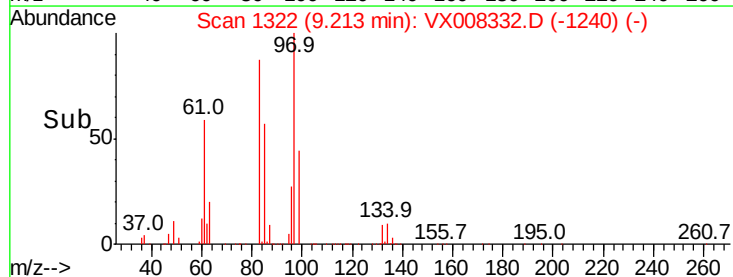
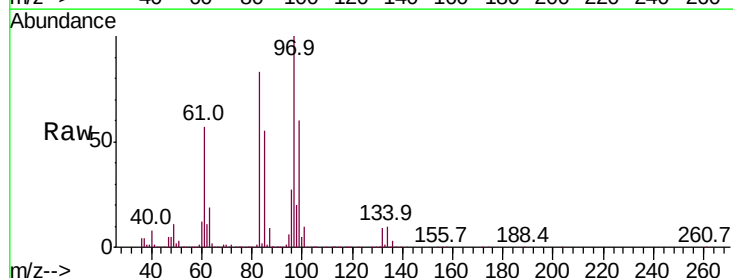
Manual Integrations
 APPROVED

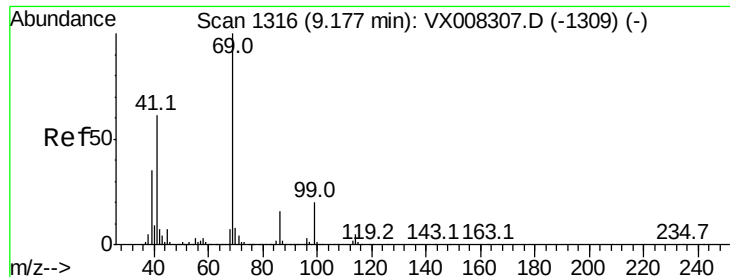
MMDadoda
 3/23/2019 9:33:42 AM



#50
 1,1,2-Trichloroethane
 Concen: 49.345 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	72.0	108.0
85	55.0	45.0	67.6
99	60.2	54.2	81.4





#51

Ethyl methacrylate

Concen: 51.676 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

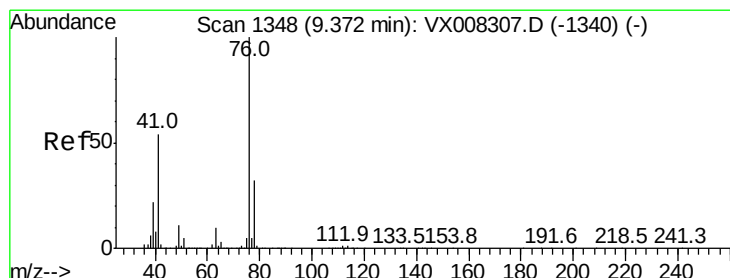
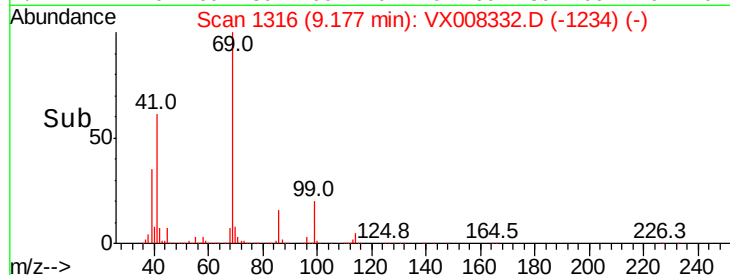
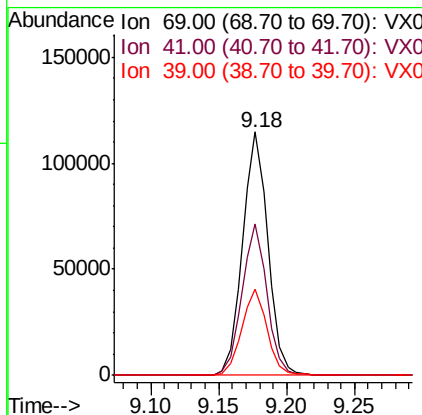
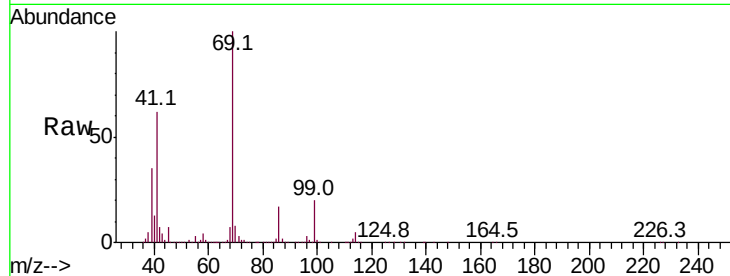
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	148623
Ion Ratio	Lower	Upper	
69	100		
41	62.0	32.1	96.5
39	35.2	18.8	56.3

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#52

1,3-Dichloropropane

Concen: 49.501 ug/l

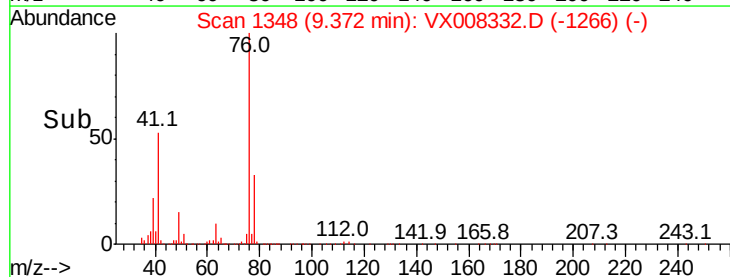
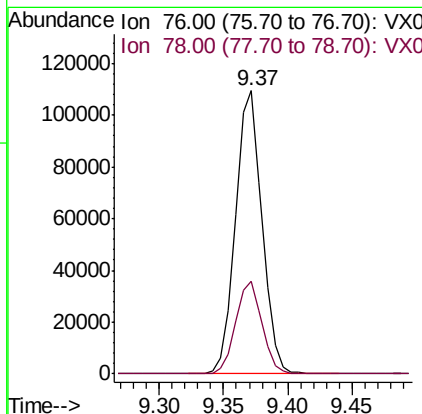
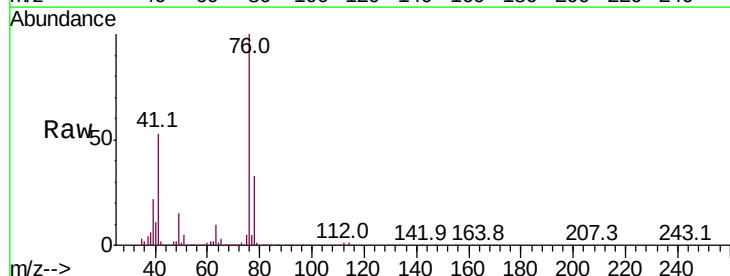
RT: 9.37 min Scan# 1348

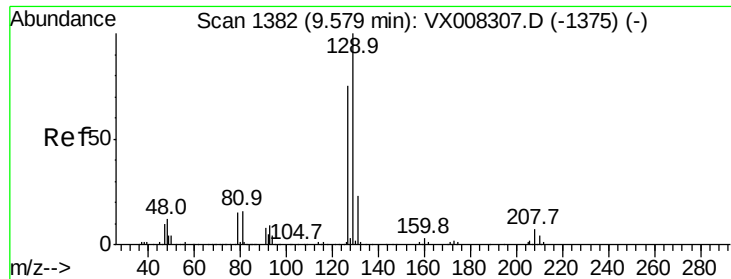
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	76	Resp:	156393
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 50.197 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 111471

Ion Ratio Lower Upper

129 100

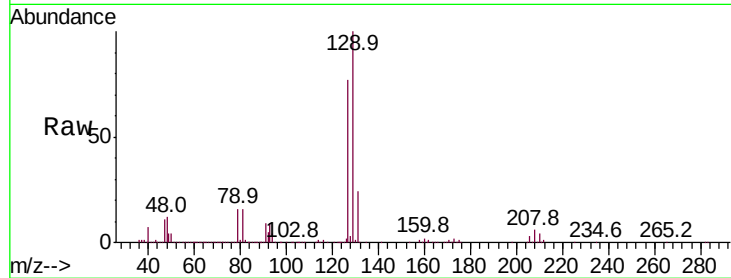
127 77.8 38.4 115.2

Manual Integrations

APPROVED

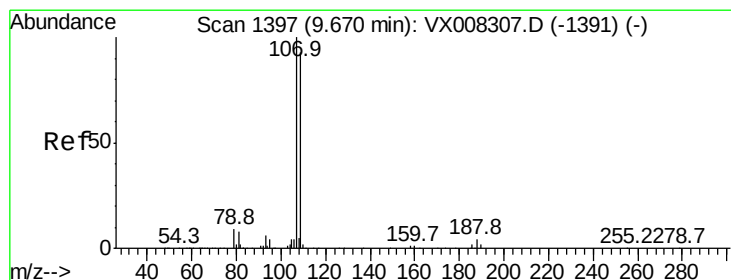
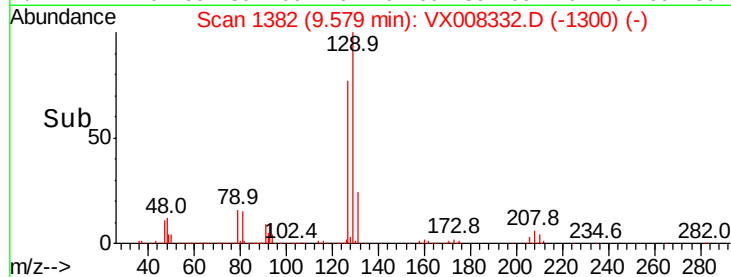
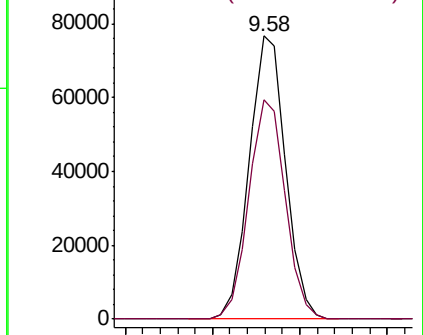
MMDadoda

3/23/2019 9:33:42 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.602 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008332.D

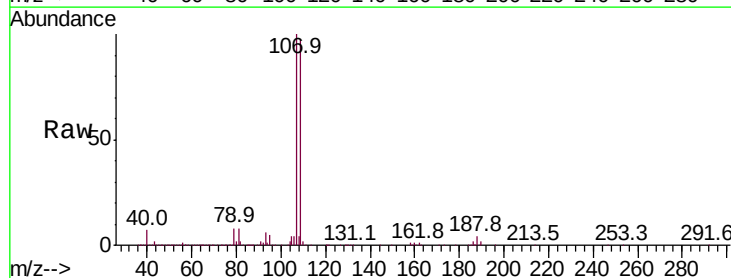
Acq: 22 Mar 2019 11:48

Tgt Ion:107 Resp: 107210

Ion Ratio Lower Upper

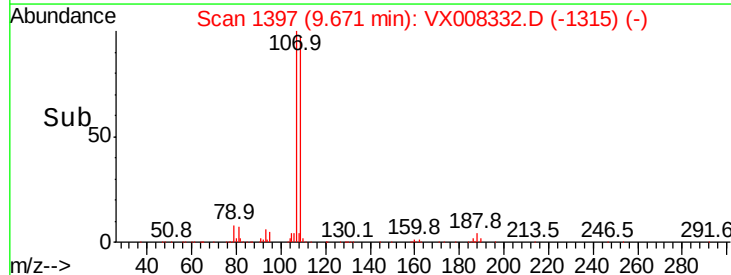
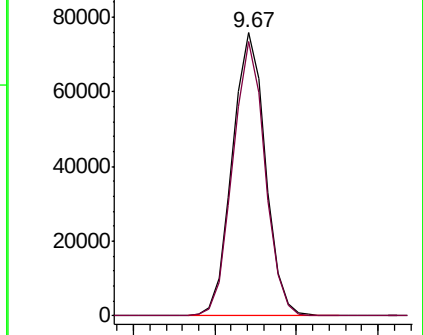
107 100

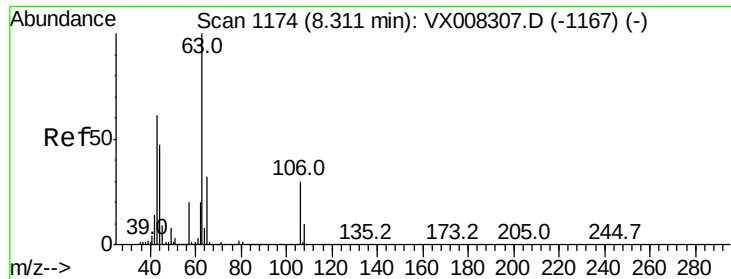
109 94.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





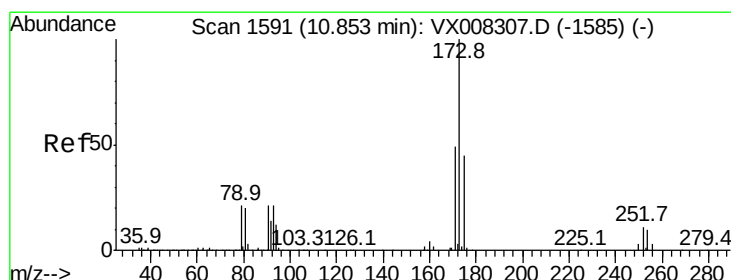
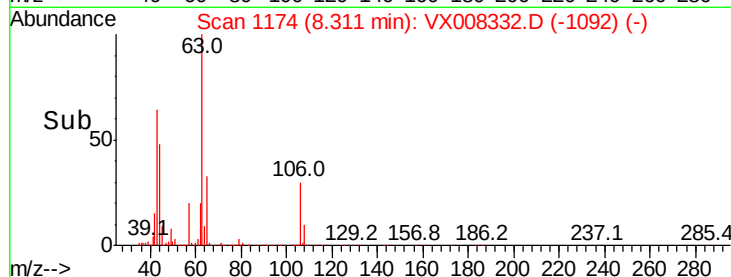
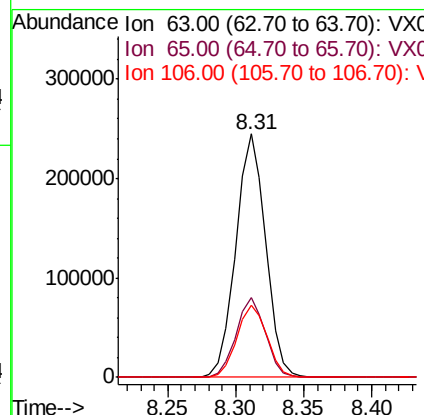
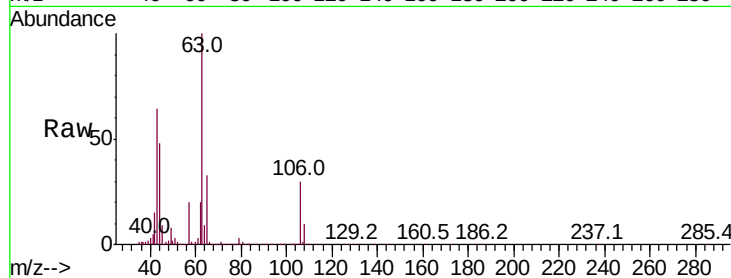
#55
2-Chloroethyl vinyl ether
Concen: 256.600 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.7	38.5
106	30.0	23.7	35.5

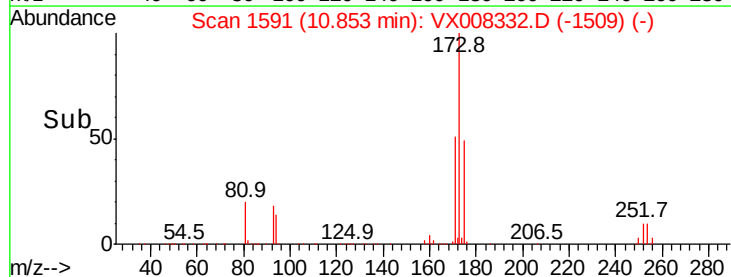
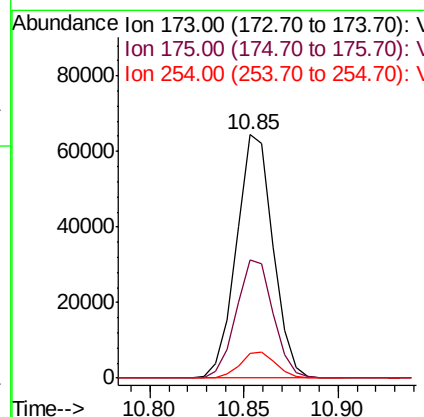
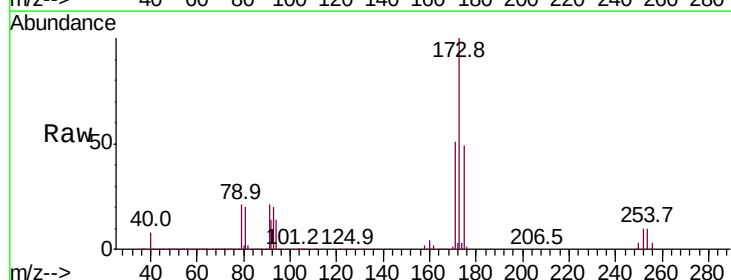
Manual Integrations
APPROVED

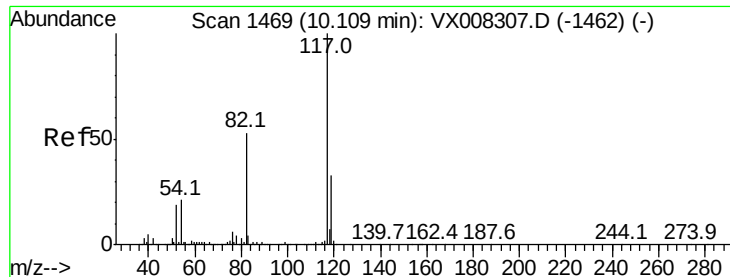
MMDadoda
3/23/2019 9:33:42 AM



#56
Bromoform
Concen: 49.561 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.5	57.7
254	10.7	7.4	11.2





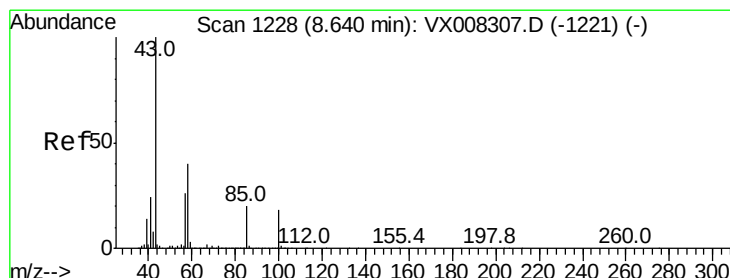
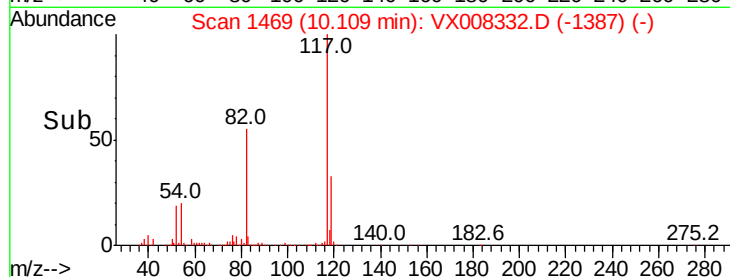
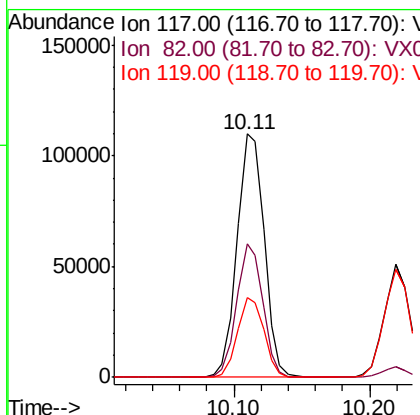
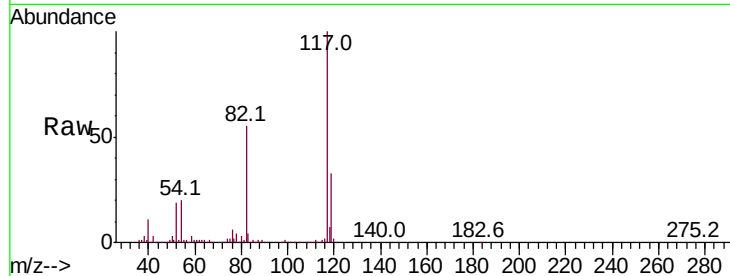
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.4	60.6
119	32.0	25.8	38.6

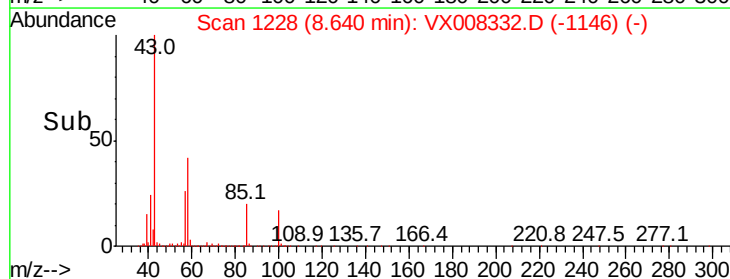
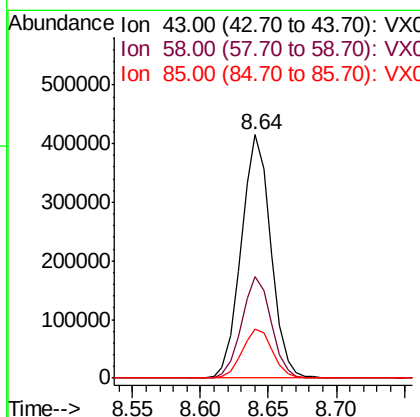
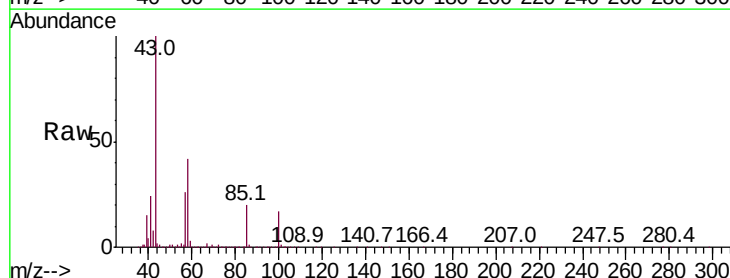
Manual Integrations
APPROVED

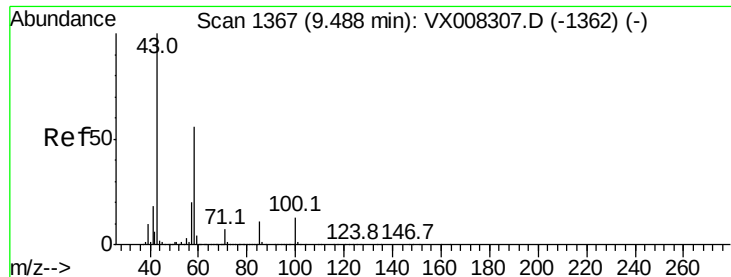
MMDadoda
3/23/2019 9:33:42 AM



#58
4-Methyl-2-Pentanone
Concen: 244.803 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.5	31.4	47.0
85	20.7	15.0	22.6





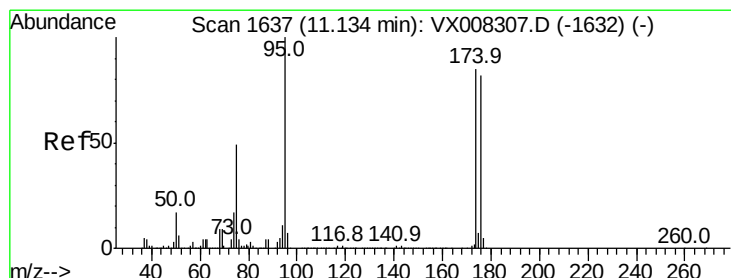
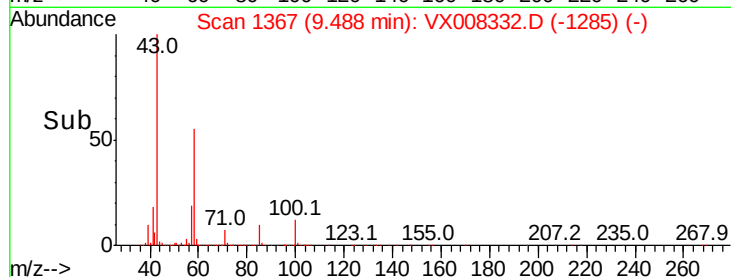
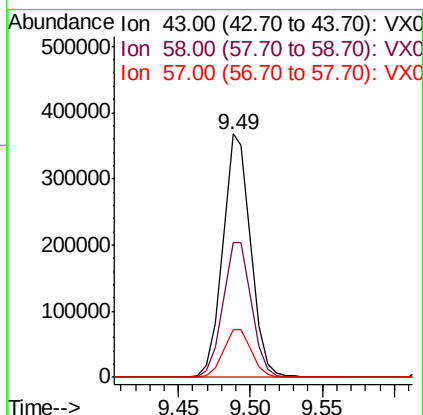
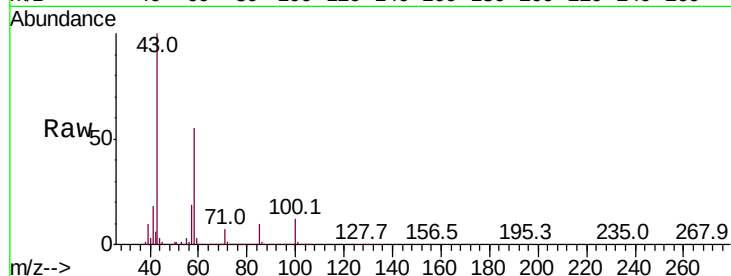
#59
2-Hexanone
Concen: 244.439 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	43.9	65.9
57	20.1	14.9	22.3

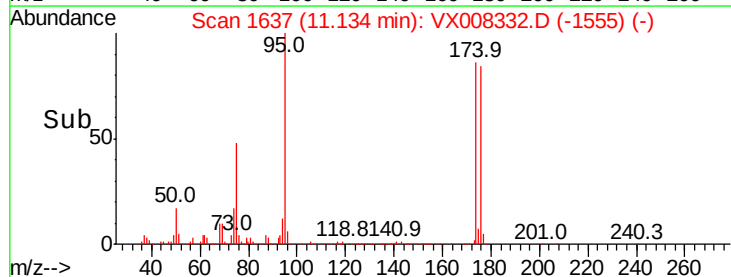
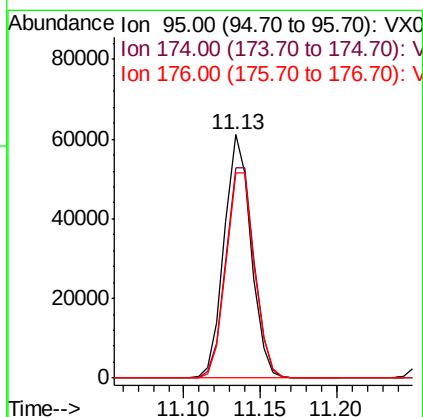
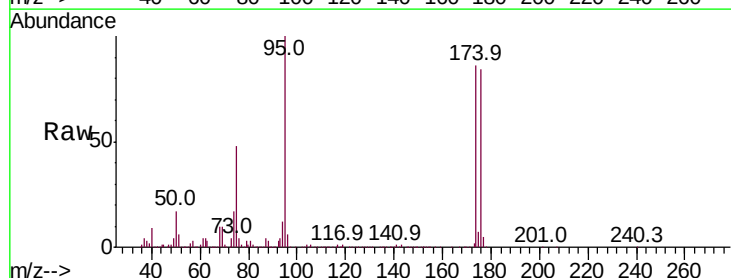
Manual Integrations
APPROVED

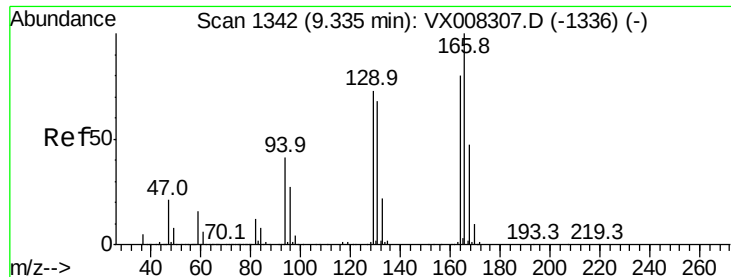
MMDadoda
3/23/2019 9:33:42 AM



#60
4-Bromofluorobenzene
Concen: 29.843 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	74.9	112.3
176	89.5	70.7	106.1





#61

Tetrachloroethene

Concen: 48.435 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 99982

Ion Ratio Lower Upper

164 100

166 128.4 103.9 155.9

129 88.3 74.7 112.1

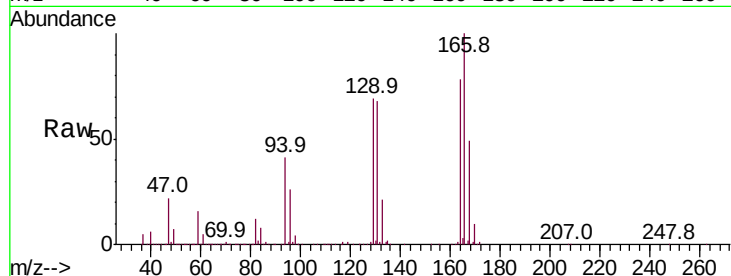
131 87.7 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

3/23/2019 9:33:42 AM

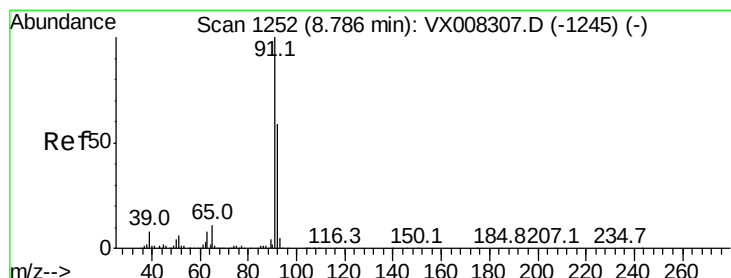
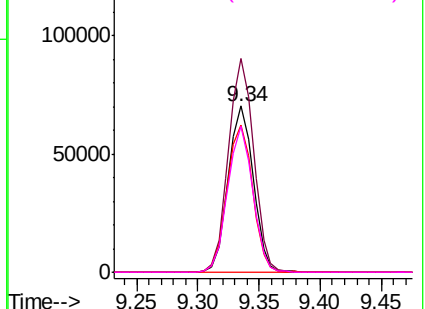
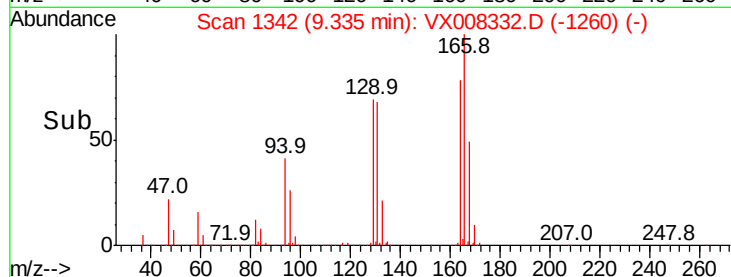


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 48.652 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008332.D

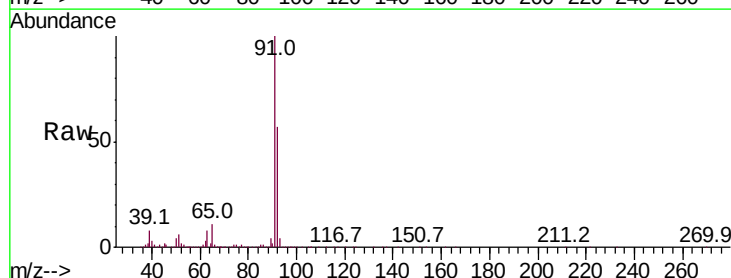
Acq: 22 Mar 2019 11:48

Tgt Ion: 91 Resp: 396014

Ion Ratio Lower Upper

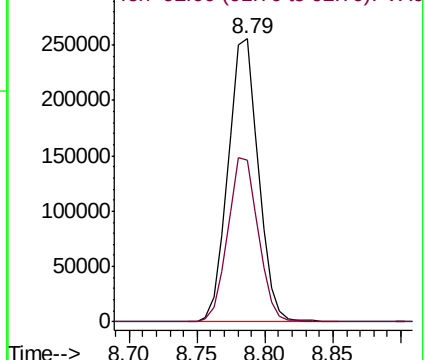
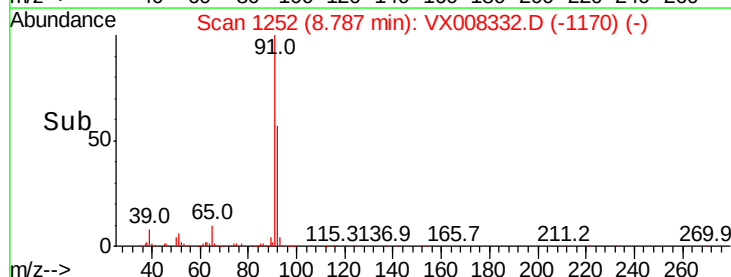
91 100

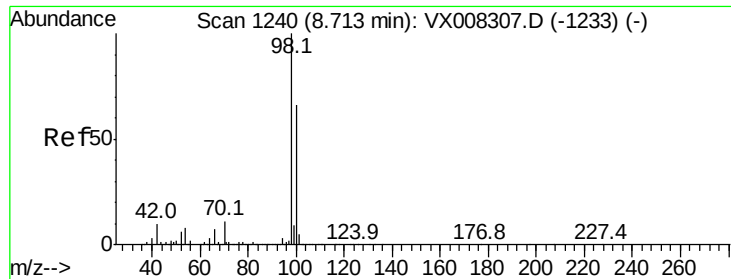
92 58.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.733 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 205429

Ion Ratio Lower Upper

98 100

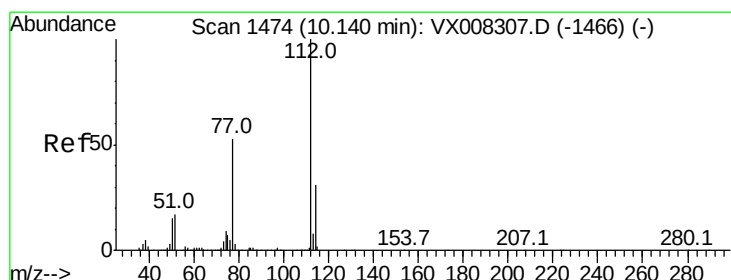
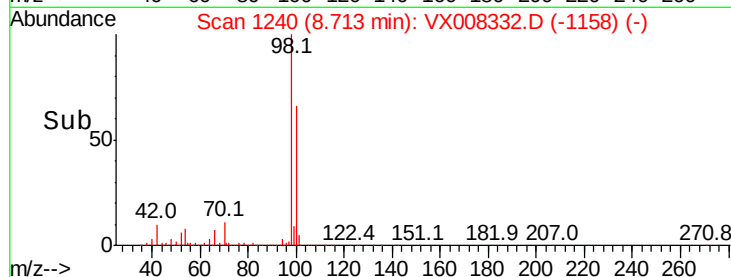
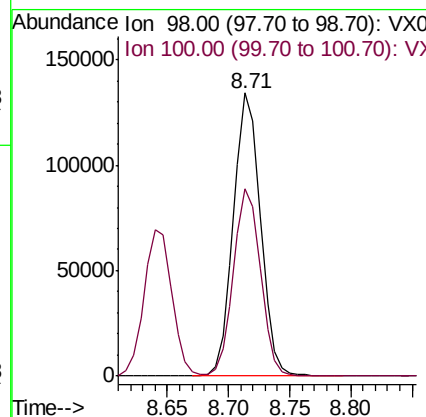
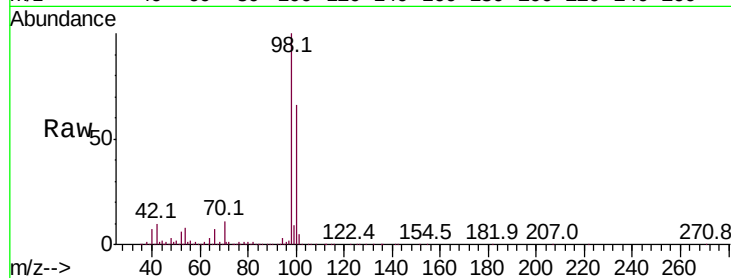
100 66.5 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#64

Chlorobenzene

Concen: 47.863 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008332.D

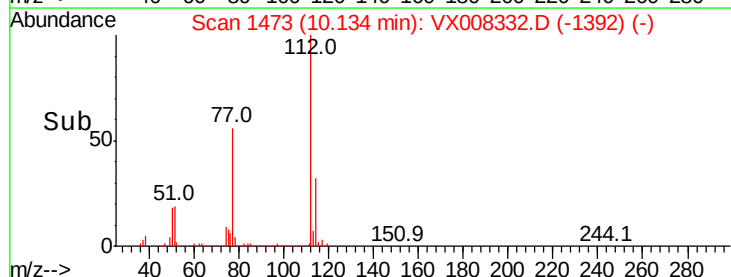
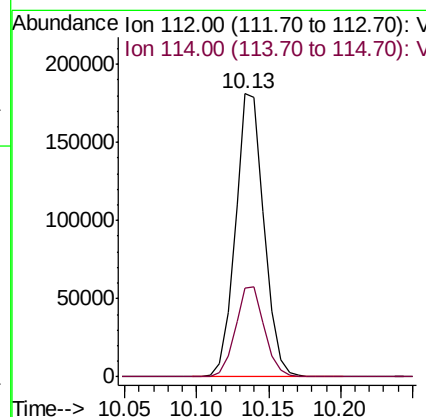
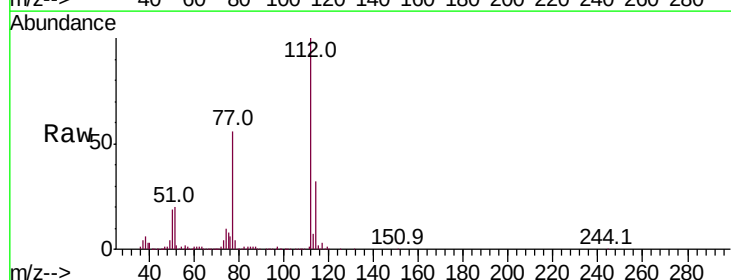
Acq: 22 Mar 2019 11:48

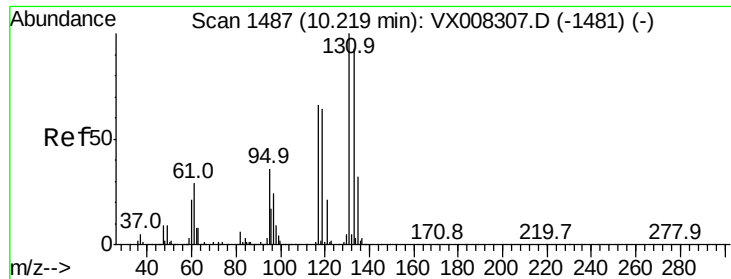
Tgt Ion: 112 Resp: 251166

Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 49.933 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

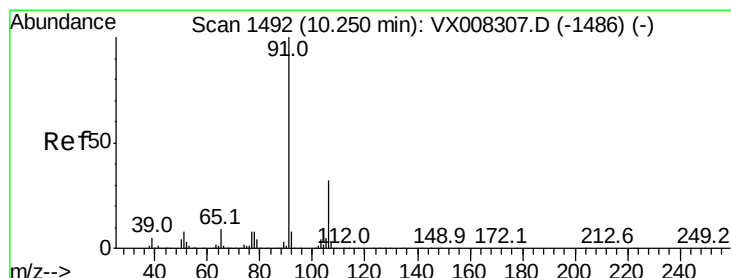
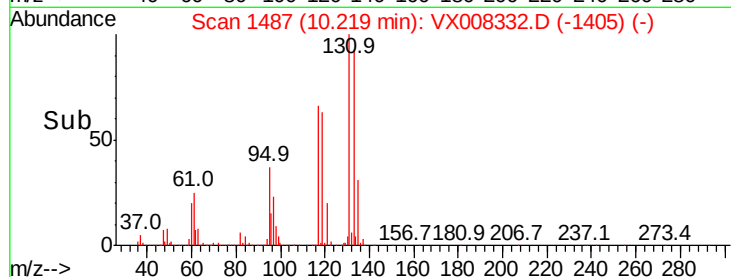
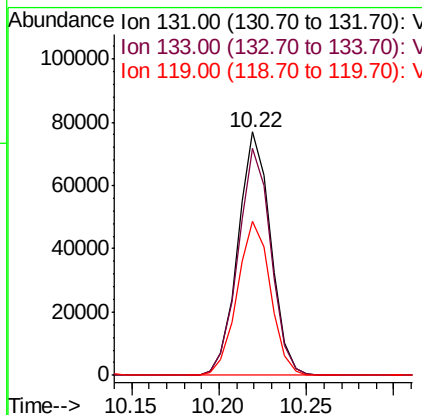
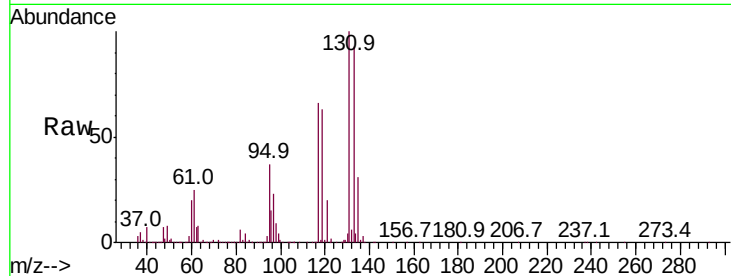
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	100075
Ion Ratio	Lower	Upper	
131	100		
133	92.8	0.0	191.6
119	64.4	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#66

Ethyl Benzene

Concen: 49.167 ug/l

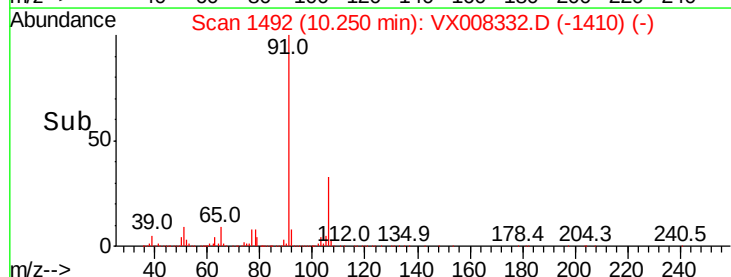
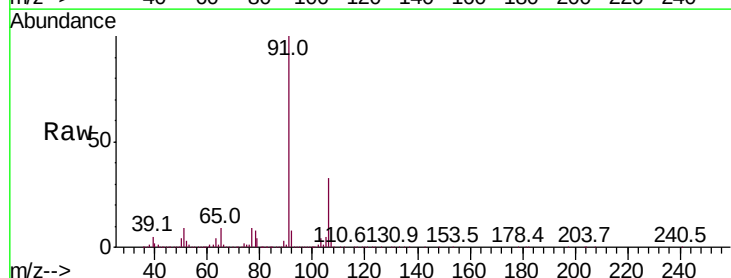
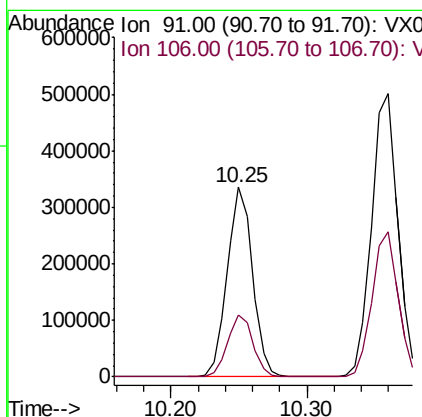
RT: 10.25 min Scan# 1492

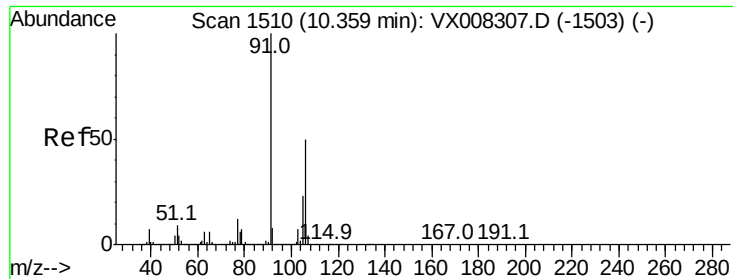
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	91	Resp:	432816
Ion Ratio	Lower	Upper	
91	100		
106	32.8	26.0	39.0





#67

m/p-Xylenes

Concen: 97.744 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 341975

Ion Ratio Lower Upper

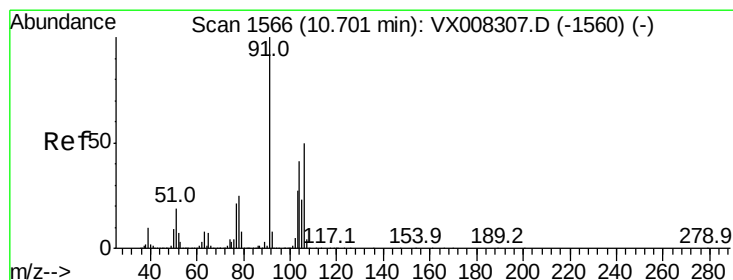
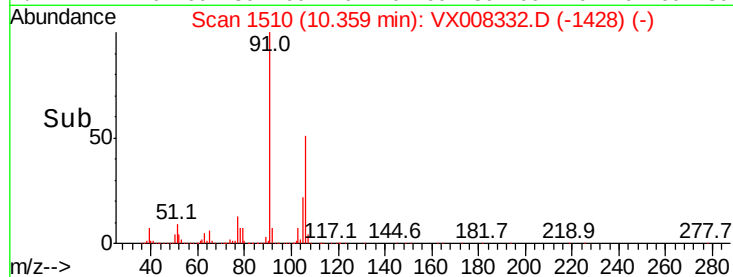
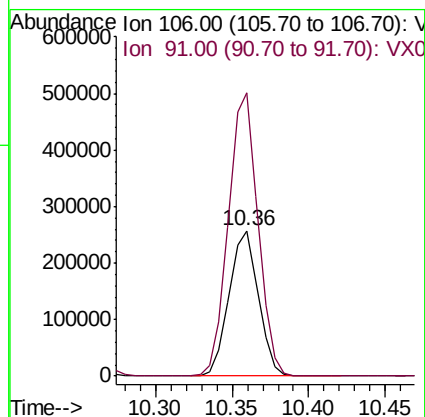
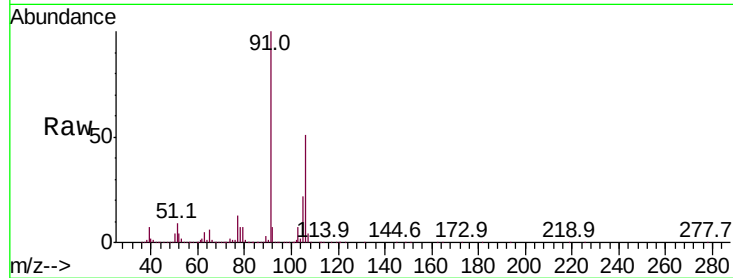
106 100

91 196.2 157.0 235.4

Manual Integrations
APPROVED

MMDadoda

3/23/2019 9:33:42 AM



#68

o-Xylene

Concen: 48.907 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008332.D

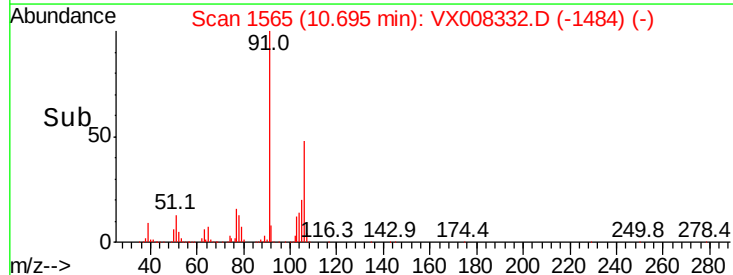
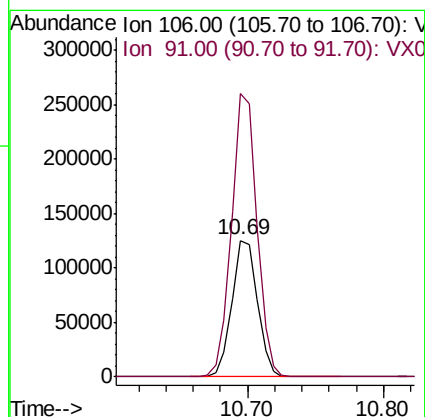
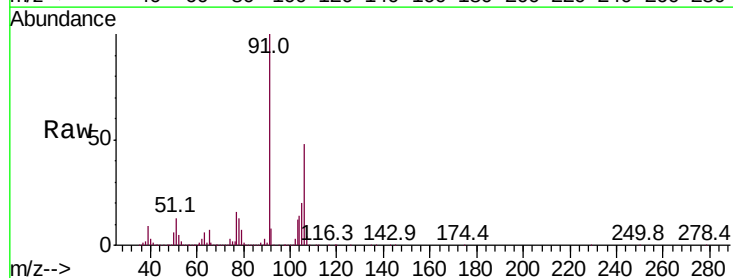
Acq: 22 Mar 2019 11:48

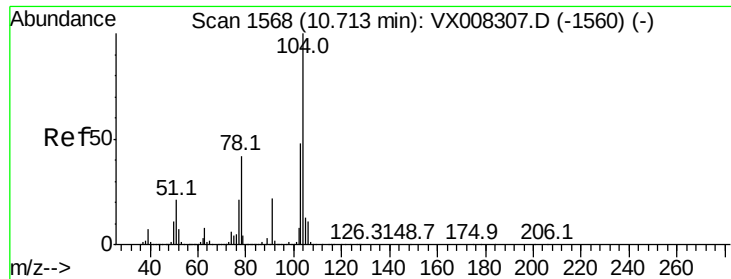
Tgt Ion:106 Resp: 164375

Ion Ratio Lower Upper

106 100

91 205.5 104.4 313.2





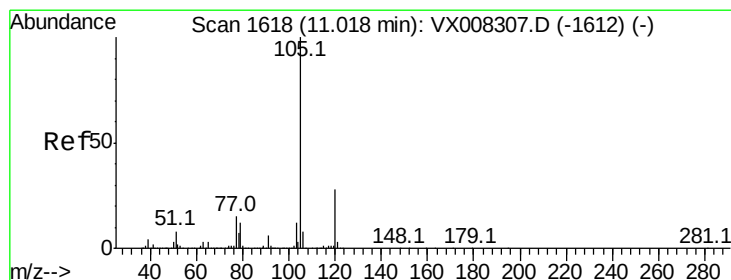
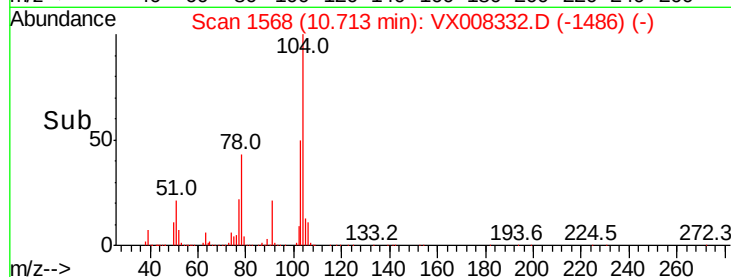
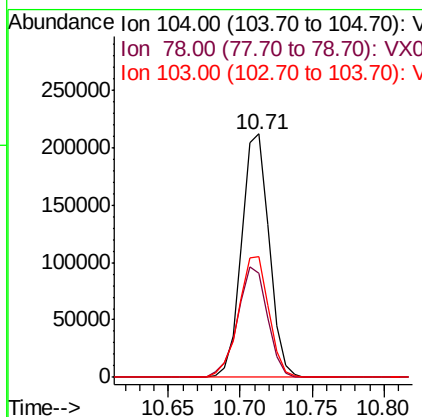
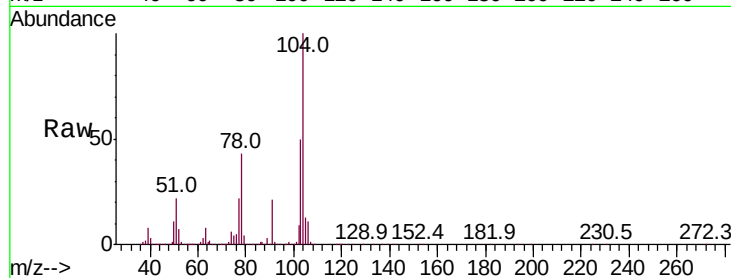
#69
Stvrene
Concen: 49.579 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	281326		
78	49.3		38.2	57.2
103	54.5		45.0	67.4

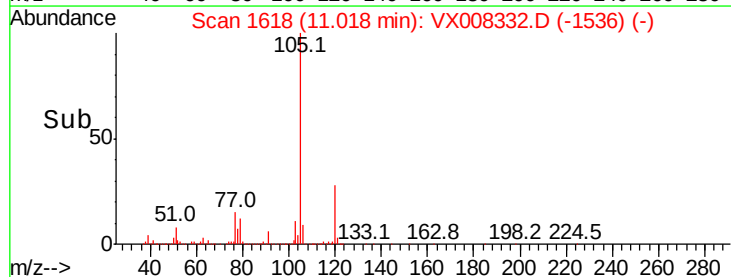
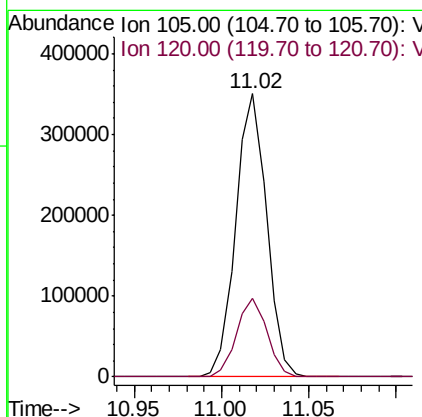
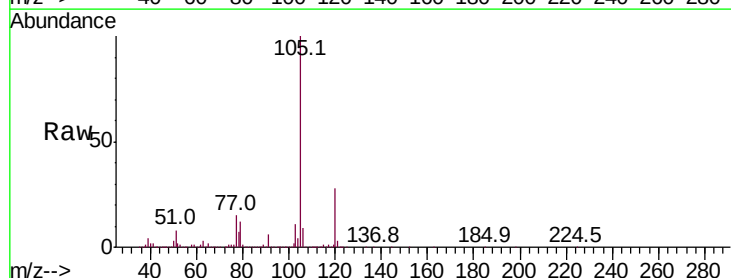
Manual Integrations
APPROVED

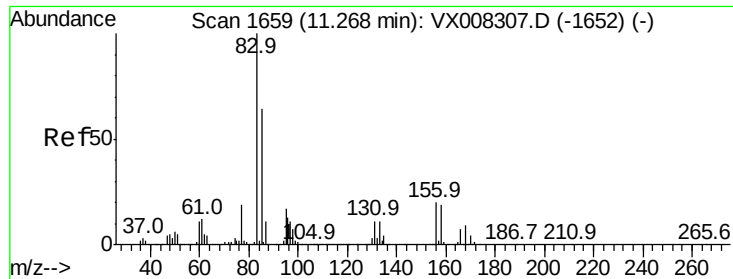
MMDadoda
3/23/2019 9:33:42 AM



#70
Isopropylbenzene
Concen: 48.683 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	430493		
120	27.7		19.8	36.8





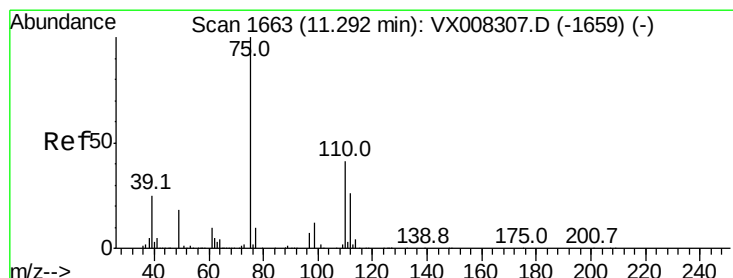
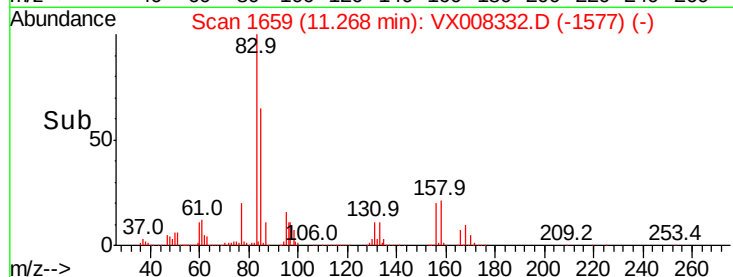
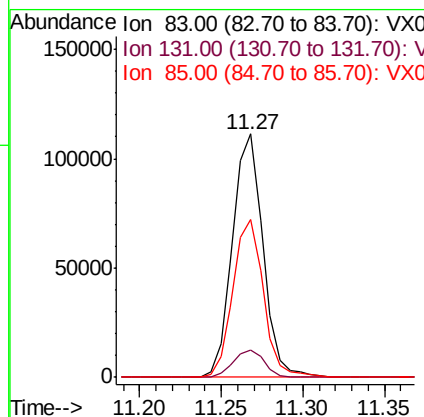
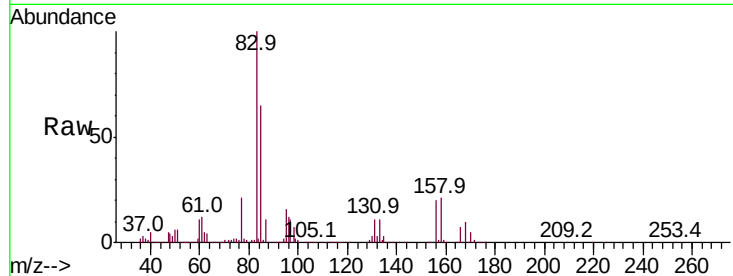
#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.199 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	64.7	32.8	98.4

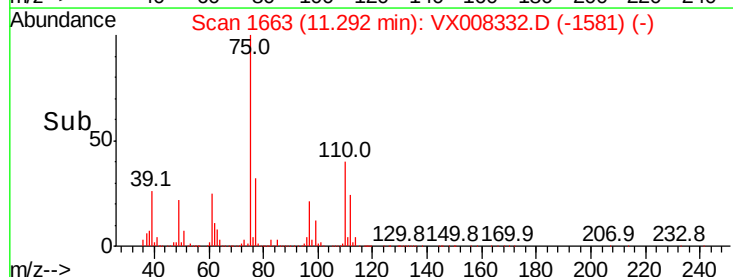
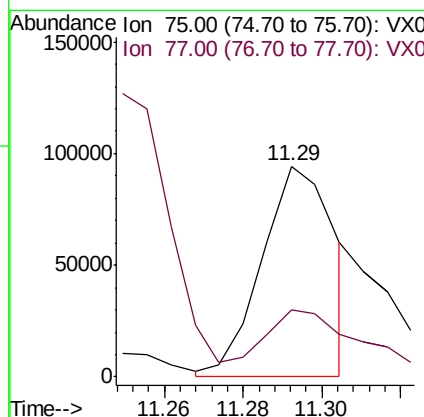
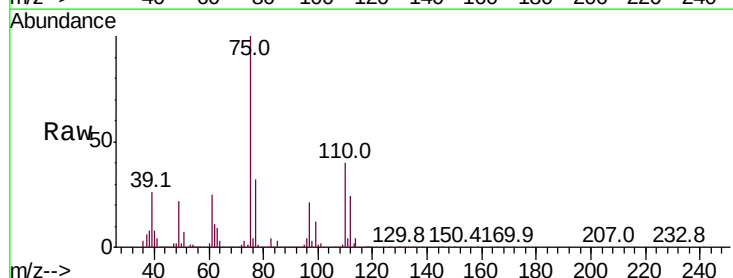
Manual Integrations
 APPROVED

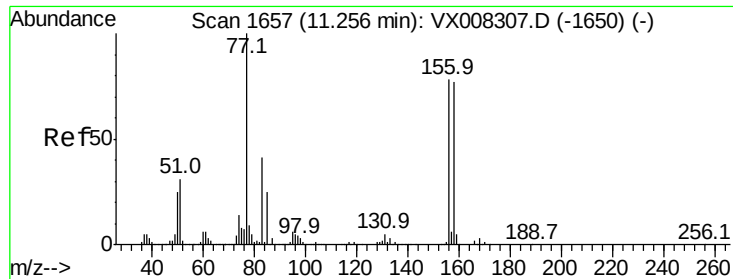
MMDadoda
 3/23/2019 9:33:42 AM



#72
 1,2,3-Trichloropropane
 Concen: 48.141 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.0	0.0	76.4





#73

Bromobenzene

Concen: 48.328 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

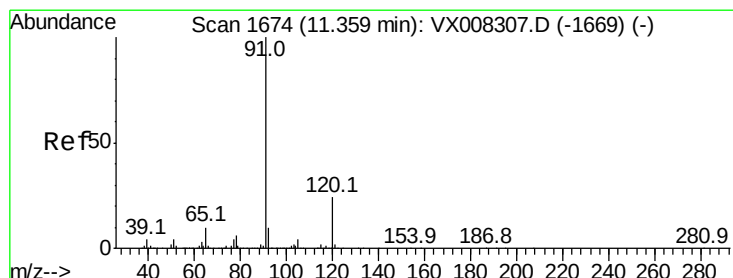
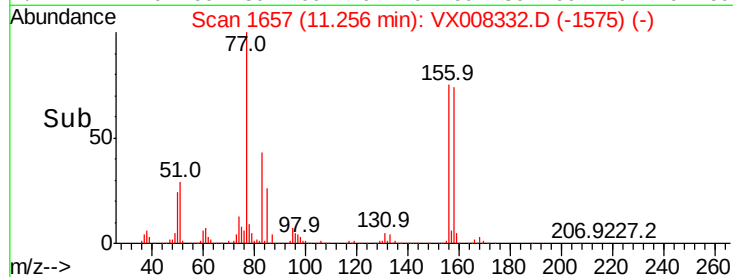
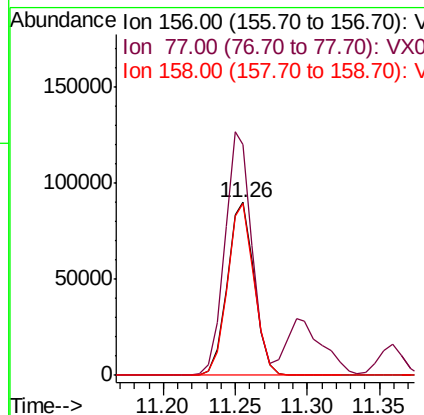
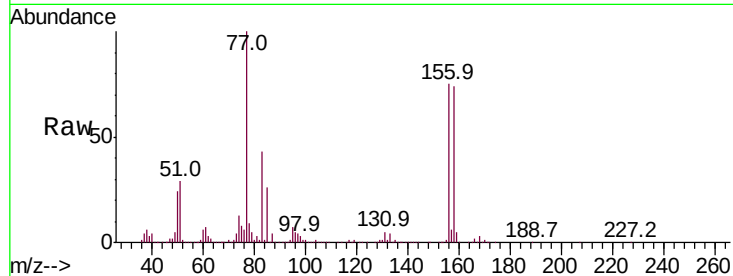
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	118241
Ion Ratio	Lower	Upper	
156	100		
77	140.7	0.0	271.4
158	98.2	0.0	194.0

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#74

n-propylbenzene

Concen: 48.451 ug/l

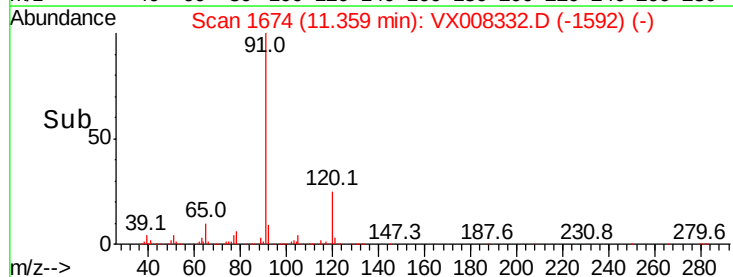
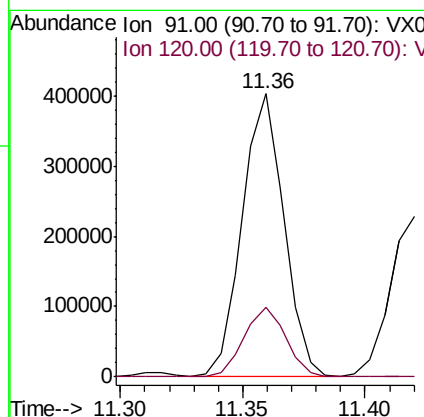
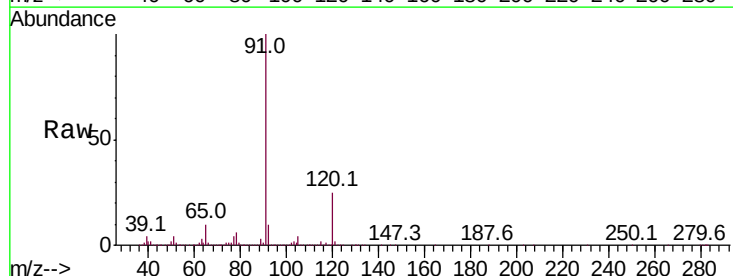
RT: 11.36 min Scan# 1674

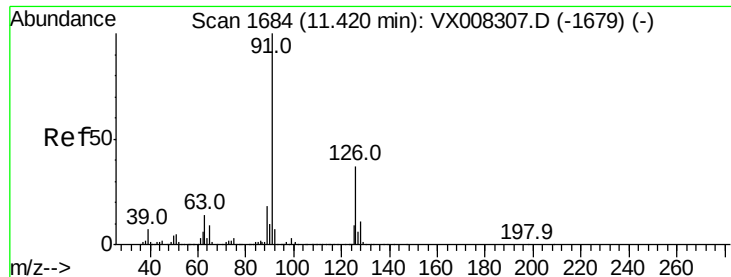
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	91	Resp:	477568
Ion Ratio	Lower	Upper	
91	100		
120	24.6	0.0	48.6





#75

2-Chlorotoluene

Concen: 48.338 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 284533

Ion Ratio Lower Upper

91 100

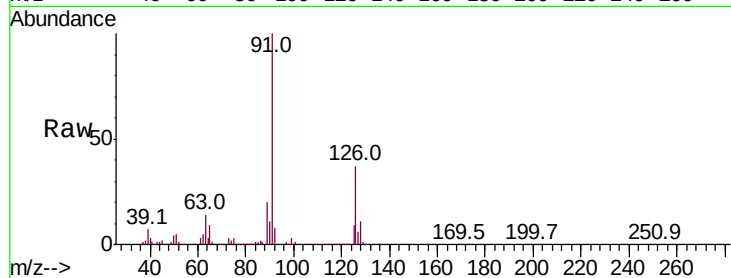
126 37.1 0.0 75.2

Manual Integrations

APPROVED

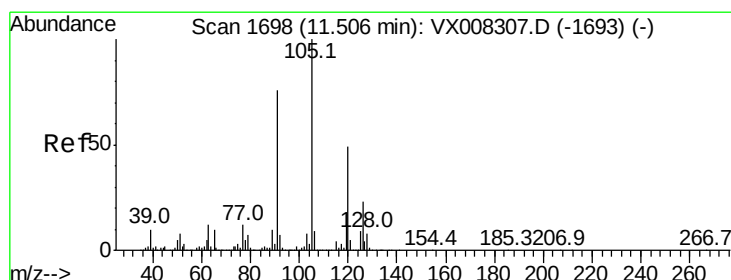
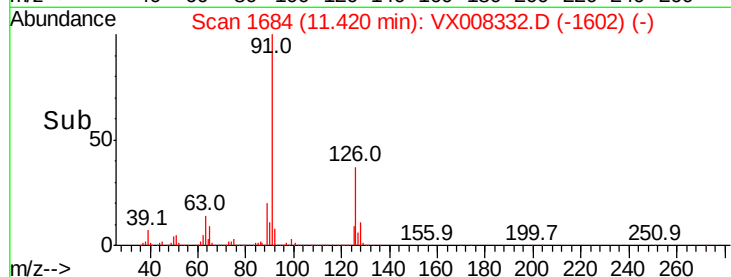
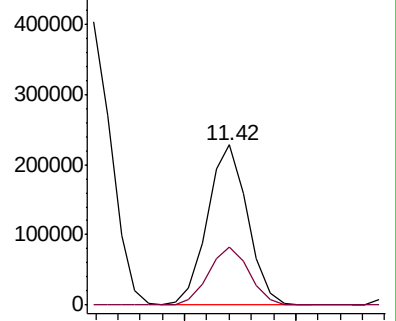
MMDadoda

3/23/2019 9:33:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 48.390 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008332.D

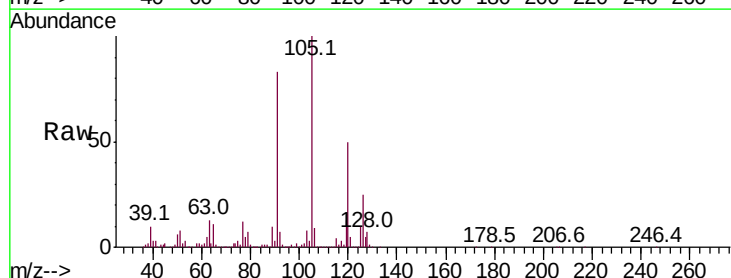
Acq: 22 Mar 2019 11:48

Tgt Ion: 105 Resp: 365554

Ion Ratio Lower Upper

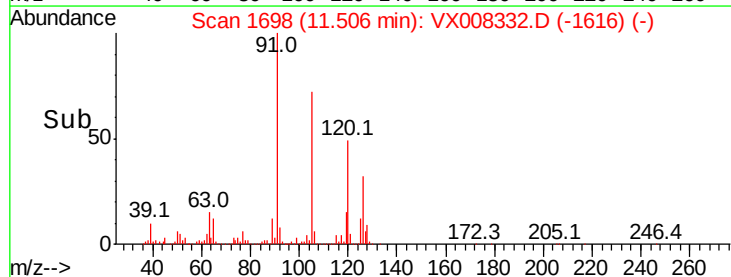
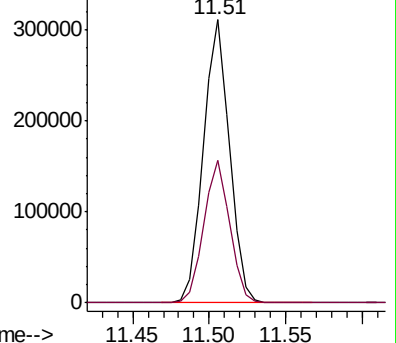
105 100

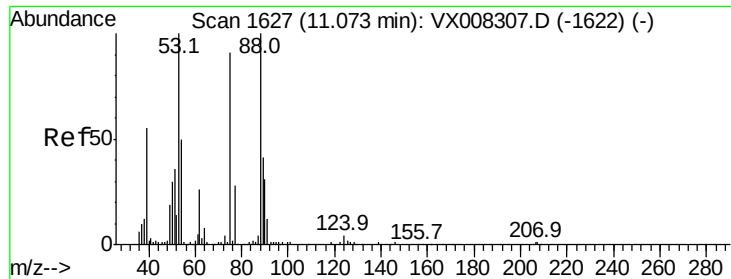
120 49.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





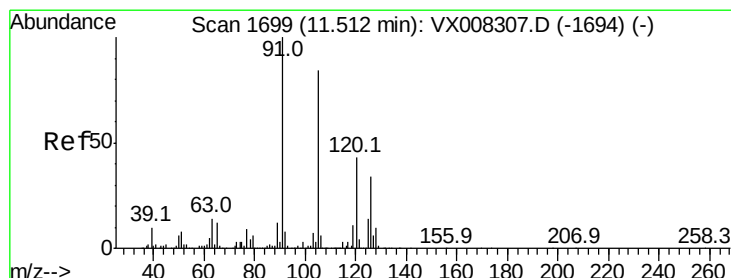
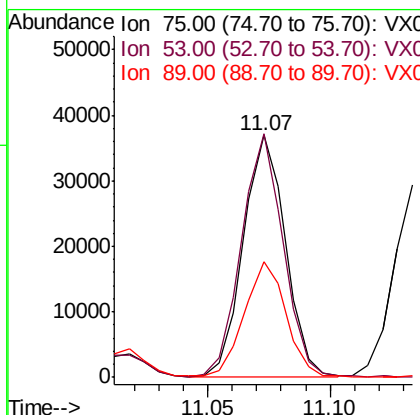
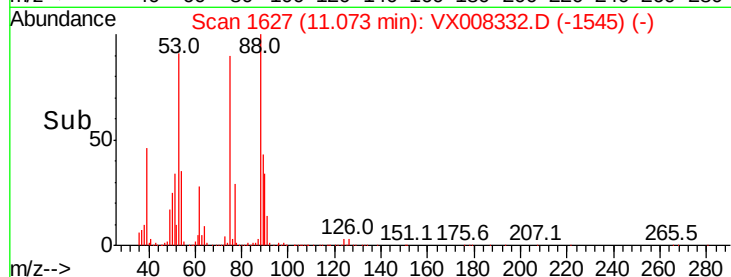
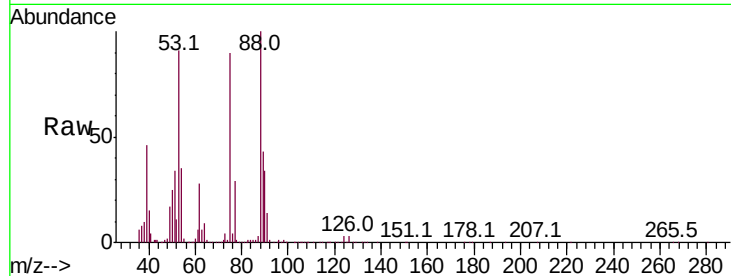
#77
t-1,4-Dichloro-2-butene
Concen: 51.203 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	55.5	166.7
89	47.2	24.4	73.2

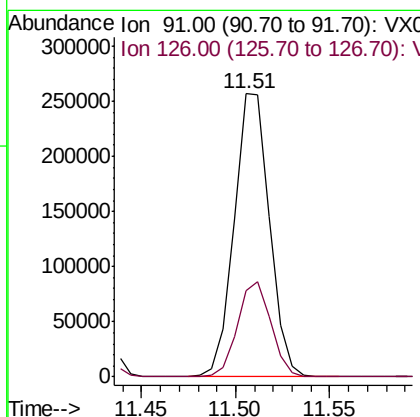
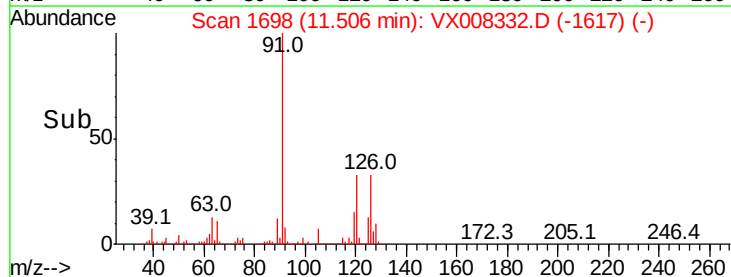
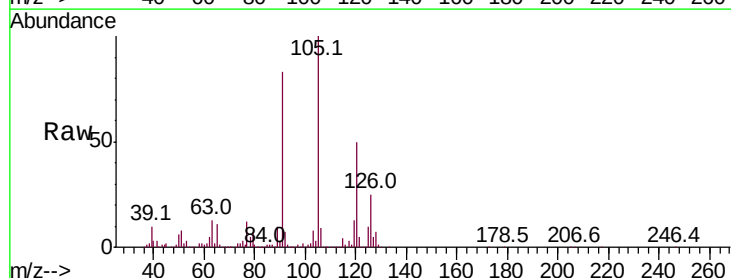
Manual Integrations
APPROVED

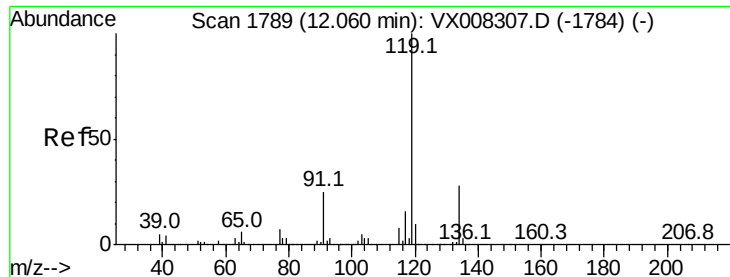
MMDadoda
3/23/2019 9:33:42 AM



#78
4-Chlorotoluene
Concen: 47.997 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	66.2





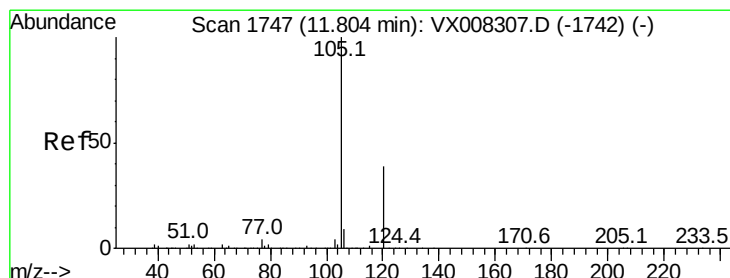
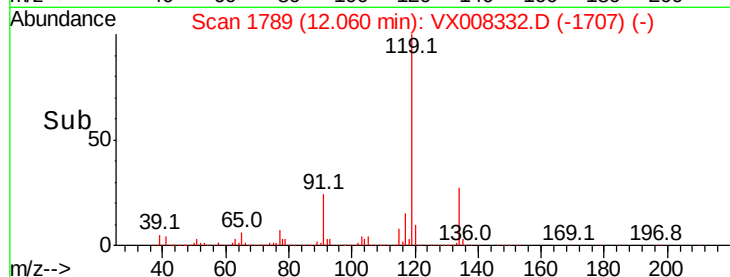
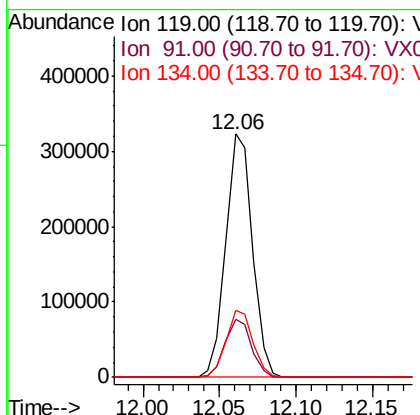
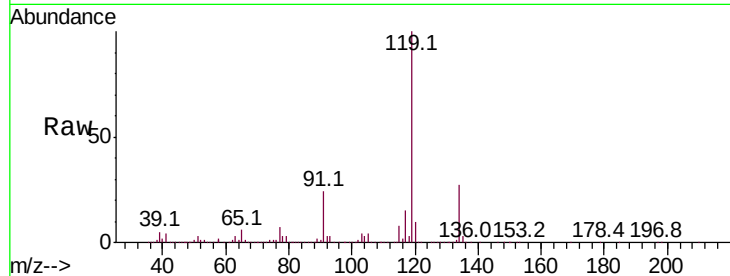
#79
tert-butylbenzene
Concen: 49.041 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	389693		
91	23.7	0.0	45.0	
134	27.4	0.0	55.4	

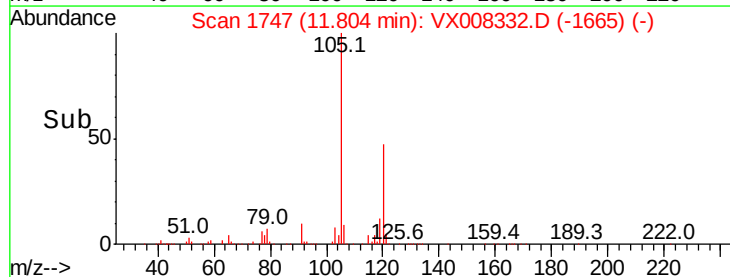
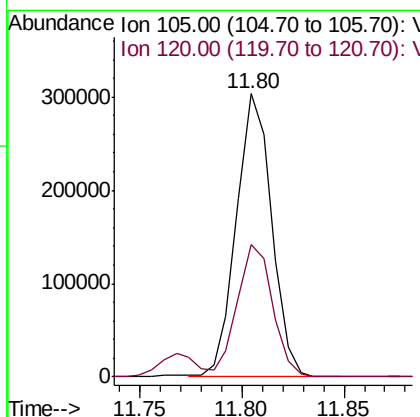
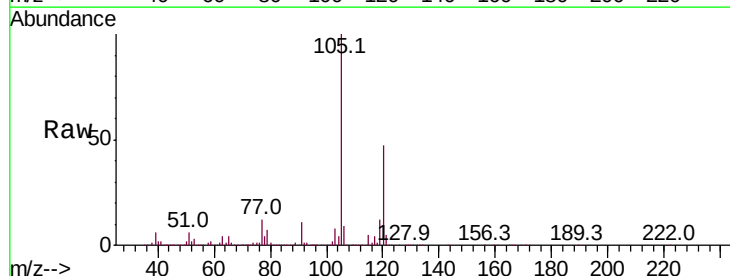
Manual Integrations
APPROVED

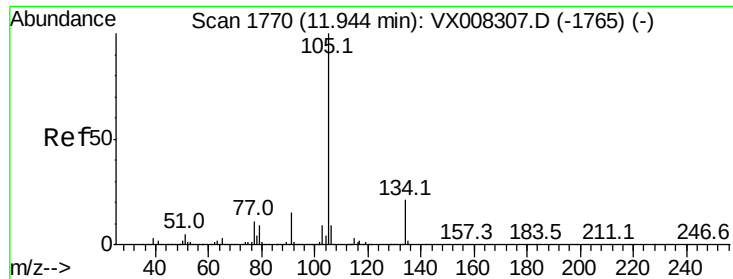
MMDadoda
3/23/2019 9:33:42 AM



#80
1,2,4-Trimethylbenzene
Concen: 48.575 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364633		
120	46.3	0.0	94.0	





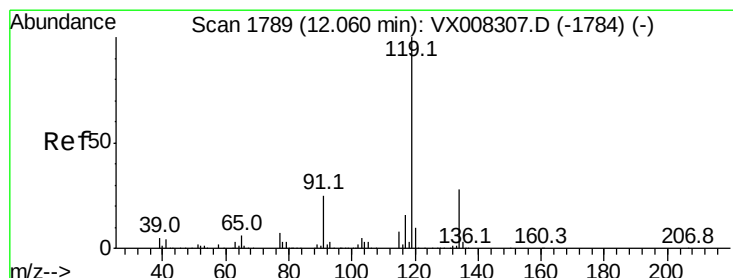
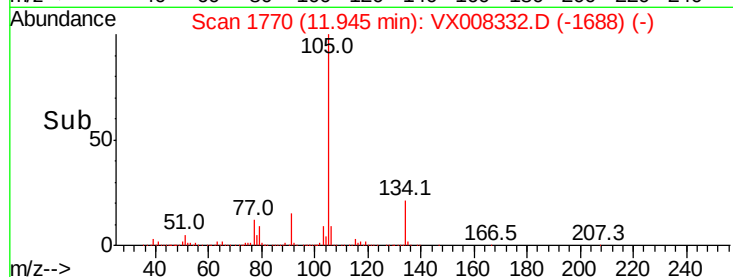
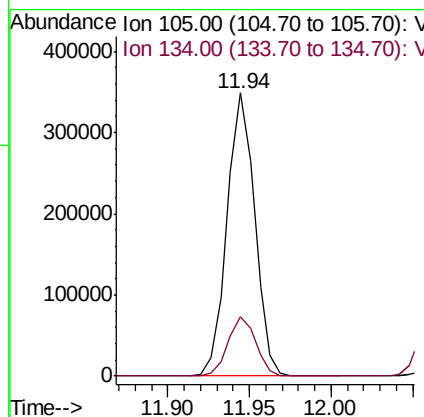
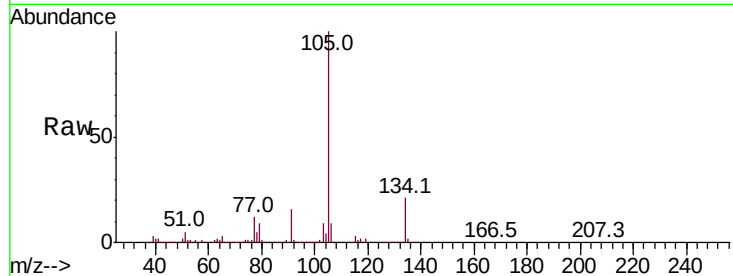
#81
 sec-Butylbenzene
 Concen: 47.778 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	411681		
134	21.2	0.0	41.8	

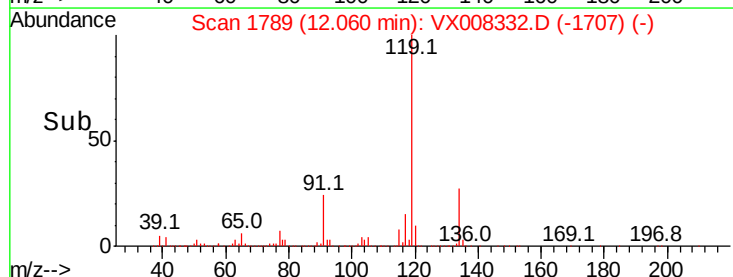
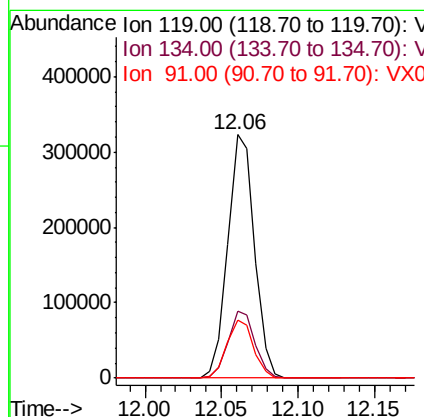
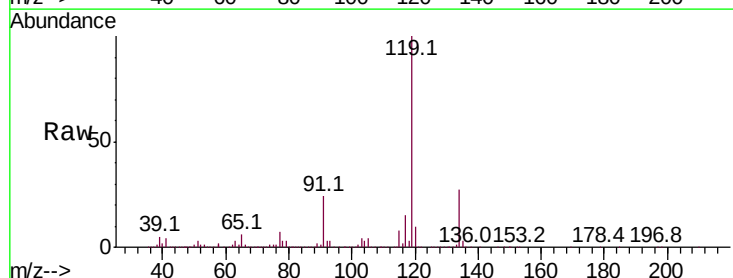
Manual Integrations
 APPROVED

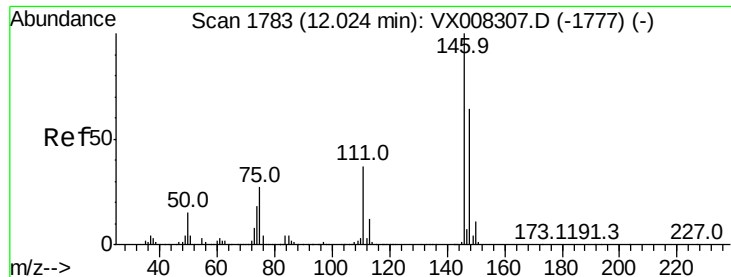
MMDadoda
 3/23/2019 9:33:42 AM



#82
 p-Isopropyltoluene
 Concen: 49.041 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	389693		
134	27.4	0.0	55.4	
91	23.7	0.0	45.0	





#83

1,3-Dichlorobenzene

Concen: 47.835 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

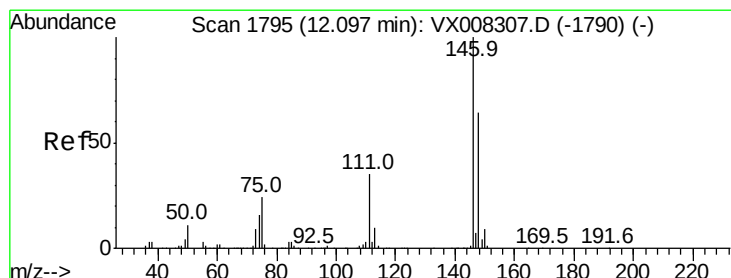
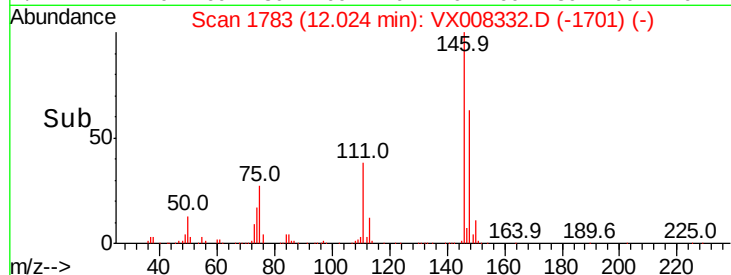
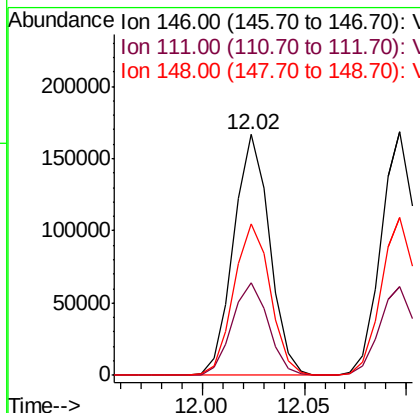
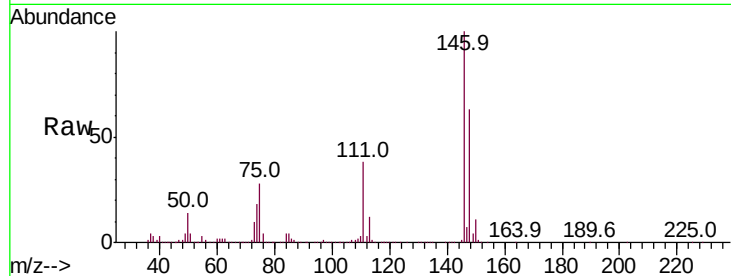
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	203132
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.8	56.3
148	64.2	30.6	91.8

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#84

1,4-Dichlorobenzene

Concen: 47.738 ug/l

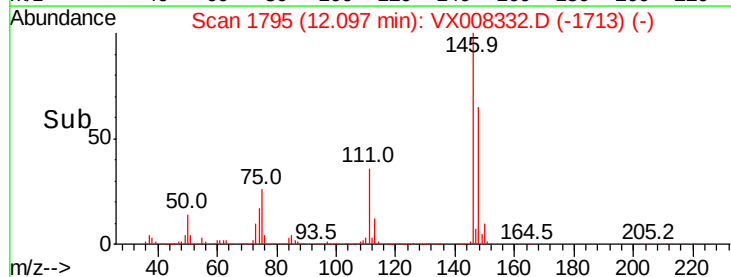
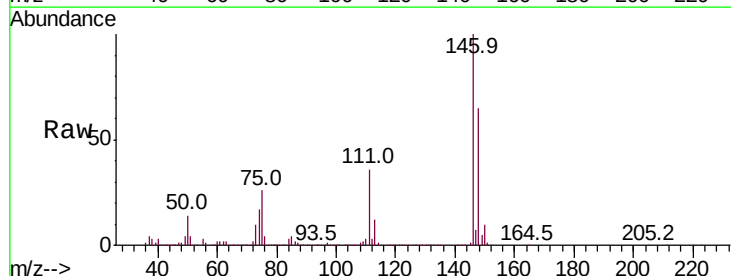
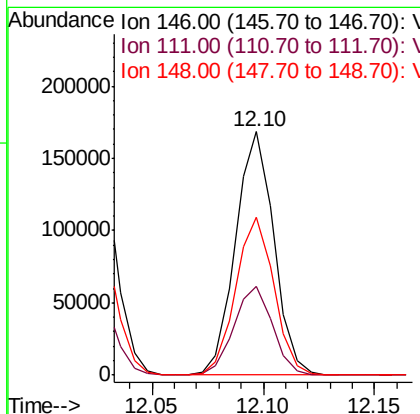
RT: 12.10 min Scan# 1795

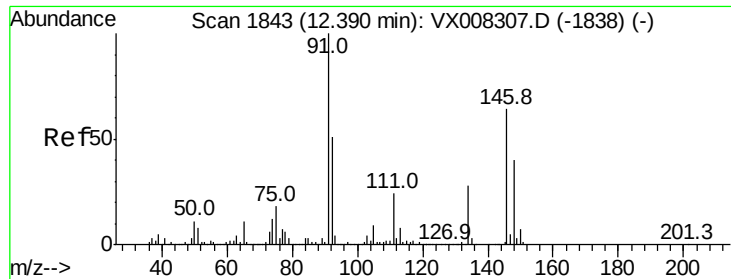
Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	146	Resp:	201879
Ion Ratio	Lower	Upper	
146	100		
111	36.6	17.6	52.8
148	64.8	31.4	94.2





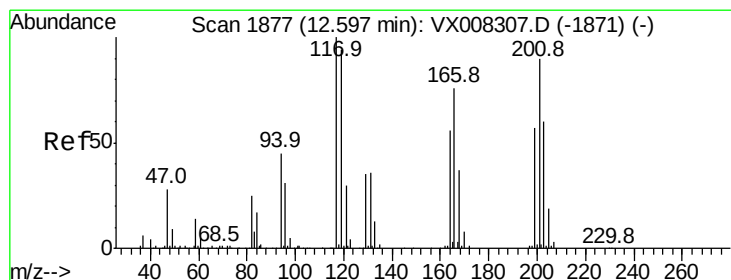
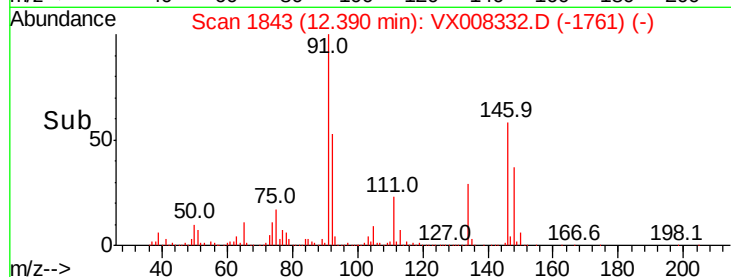
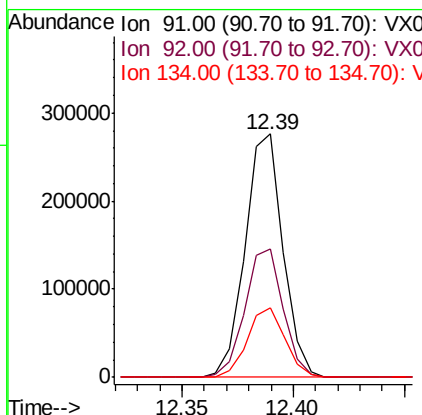
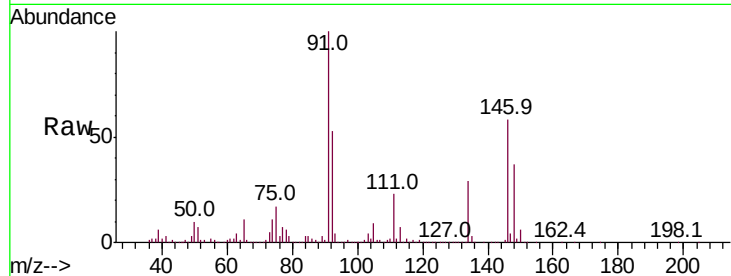
#85
n-Butylbenzene
Concen: 48.004 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	0.0	105.2	
134	28.5	0.0	56.4	

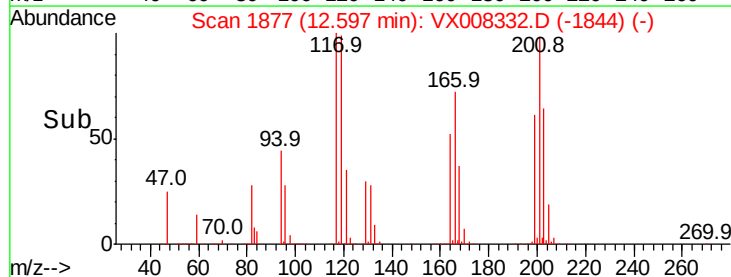
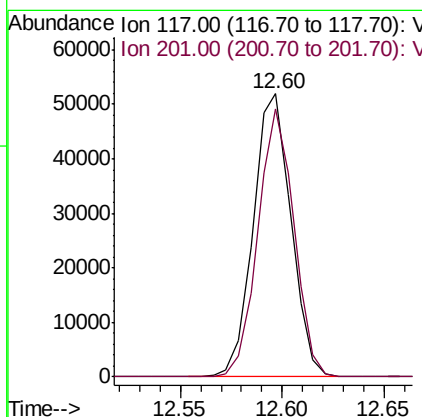
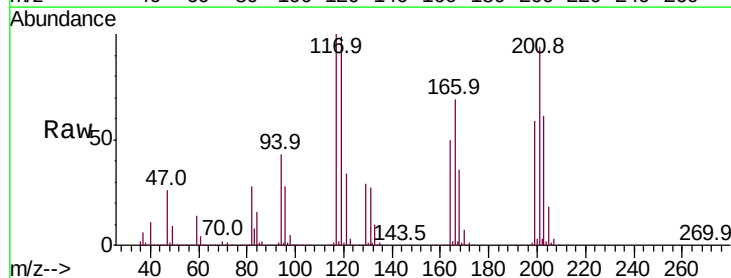
Manual Integrations
APPROVED

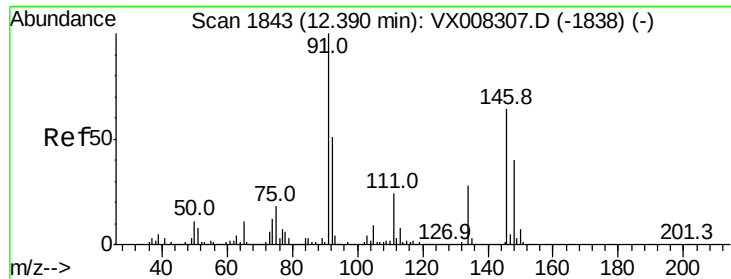
MMDadoda
3/23/2019 9:33:42 AM



#86
Hexachloroethane
Concen: 48.988 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008332.D
Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.2	41.1	123.3	





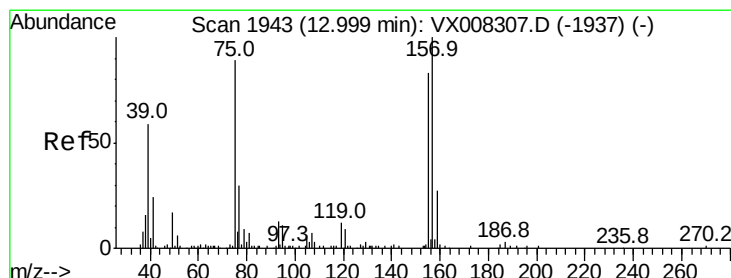
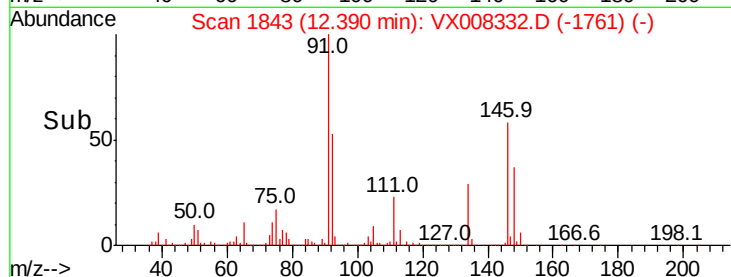
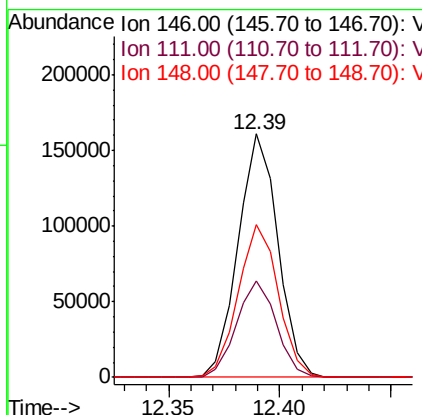
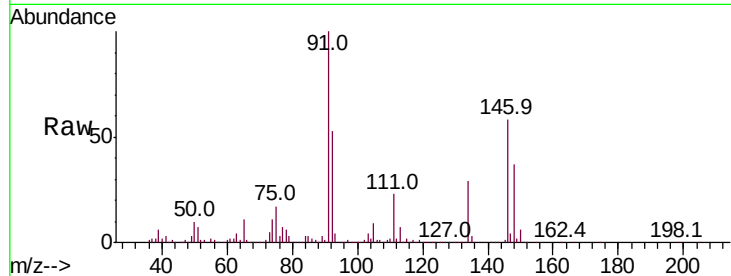
#87
 1,2-Dichlorobenzene
 Concen: 47.795 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	63.5	32.1	96.3

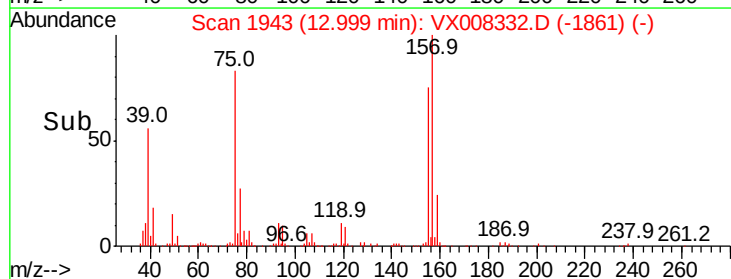
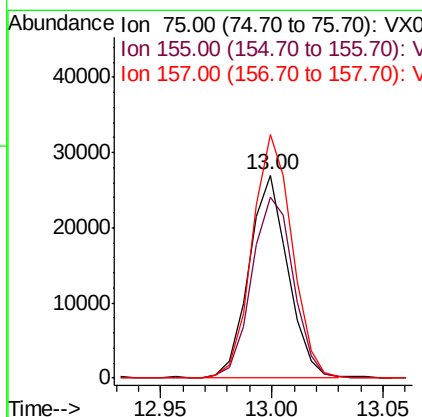
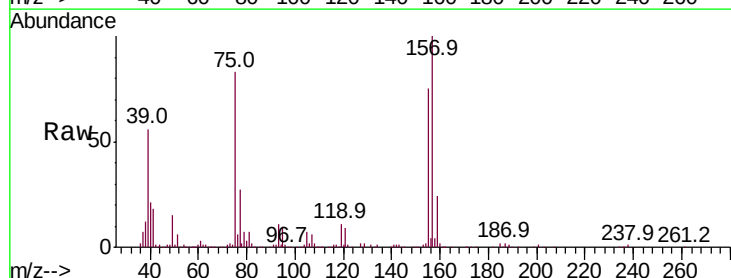
Manual Integrations
 APPROVED

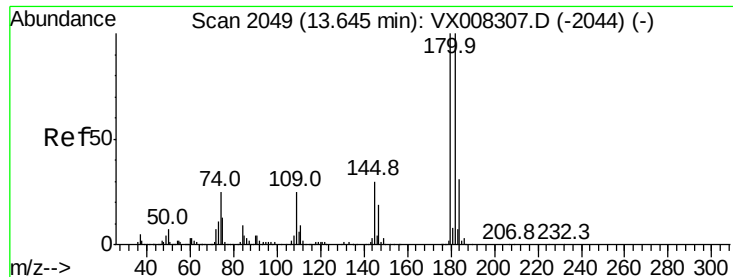
MMDadoda
 3/23/2019 9:33:42 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 47.438 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	81.0	121.6
157	123.9	103.2	154.8





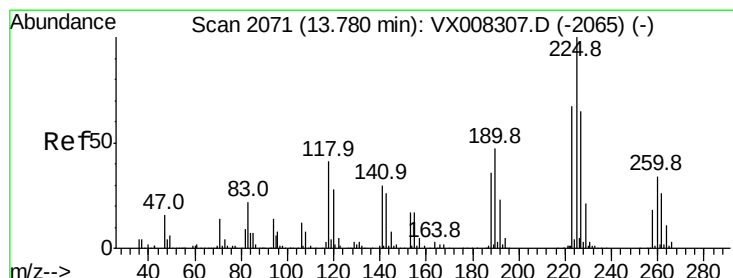
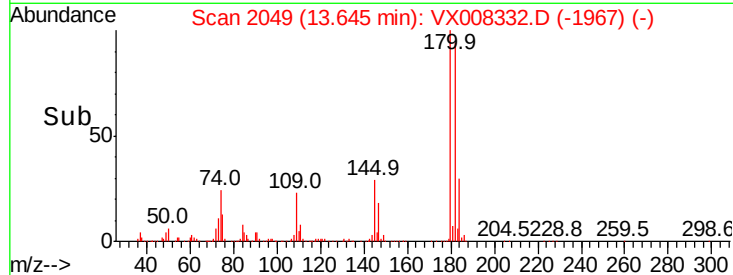
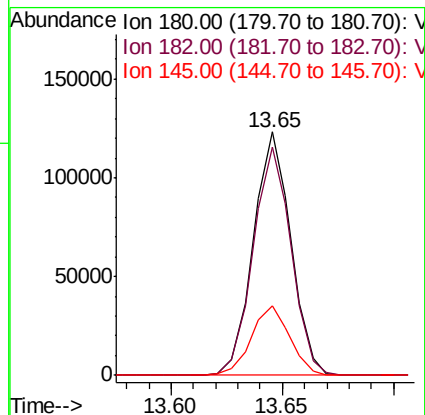
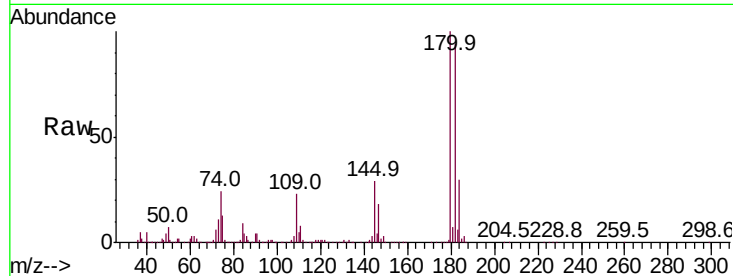
#89
 1,2,4-Trichlorobenzene
 Concen: 48.964 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:	180	Resp:	145128
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.6	113.4
145	29.0	23.0	34.6

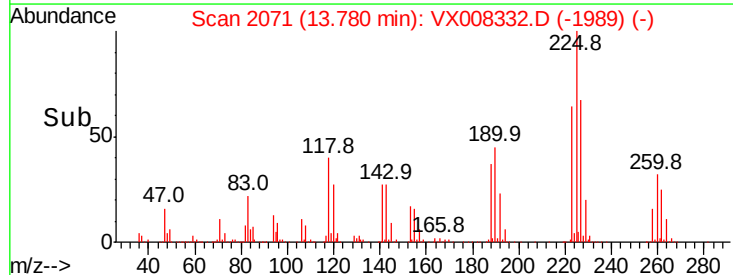
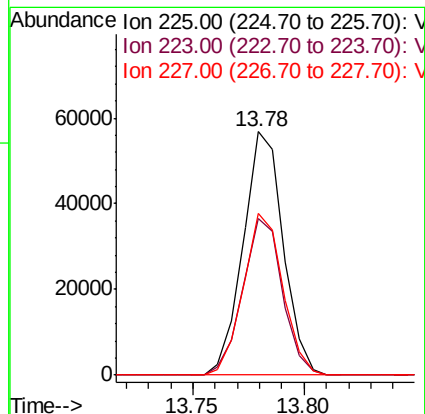
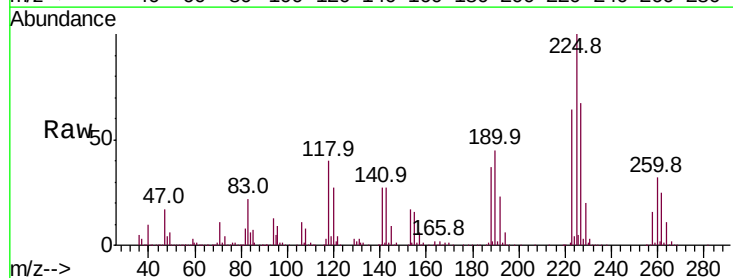
Manual Integrations
 APPROVED

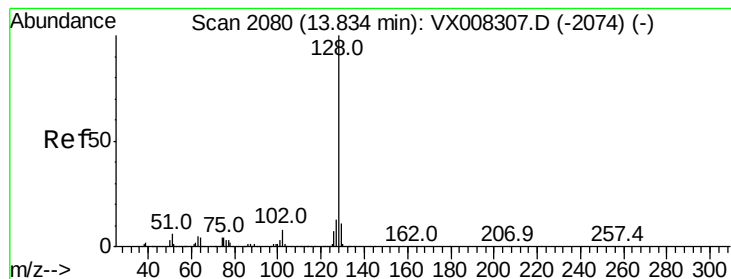
MMDadoda
 3/23/2019 9:33:42 AM



#90
 Hexachlorobutadiene
 Concen: 47.953 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008332.D
 Acq: 22 Mar 2019 11:48

Tgt Ion:	225	Resp:	71550
Ion Ratio	Lower	Upper	
225	100		
223	63.9	0.0	123.8
227	65.5	0.0	124.4





#91

Naphthalene

Concen: 49.197 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Instrument :

MSVOA_X

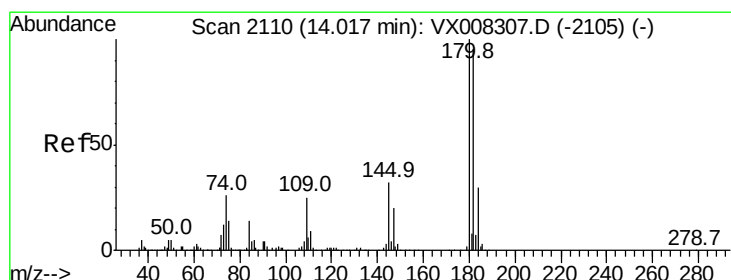
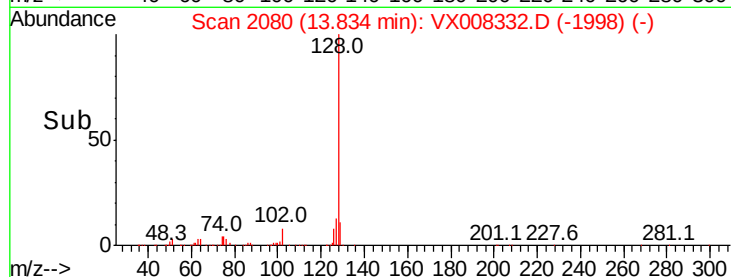
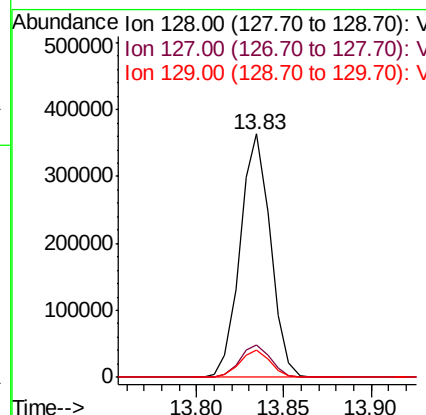
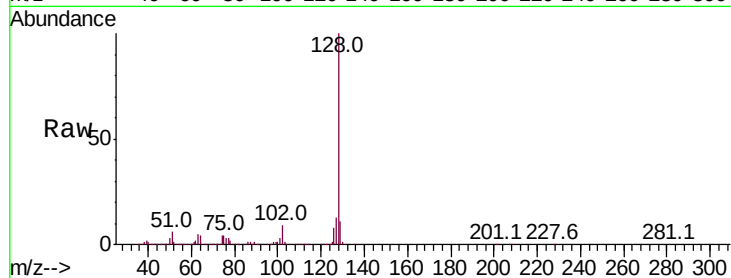
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	437956
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:42 AM



#92

1,2,3-Trichlorobenzene

Concen: 47.965 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008332.D

Acq: 22 Mar 2019 11:48

Tgt Ion:	180	Resp:	143725
Ion Ratio	Lower	Upper	
180	100		
182	95.8	0.0	193.0
145	31.0	0.0	63.0

