

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007218.D
 Acq On : 25 Jan 2019 09:51
 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
 1/28/2019 12:05:07 PM

Quant Time: Jan 28 05:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	87195	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	469723	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	430293	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	169972	25.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.50%
60) 4-Bromofluorobenzene	11.13	95	198564	27.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.53%
63) Toluene-d8	8.71	98	574676	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	177329	26.121	ug/l 98
3) Chloromethane	1.33	50	207948	29.523	ug/l 99
4) Vinyl Chloride	1.41	62	238997	33.191	ug/l 99
5) Bromomethane	1.64	94	244143	70.658	ug/l 99
6) Chloroethane	1.72	64	158849	38.425	ug/l 97
7) Trichlorofluoromethane	1.93	101	394286	42.986	ug/l 100
8) Diethyl Ether	2.19	74	153172	40.964	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	234354	44.489	ug/l 97
10) 1,1-Dichloroethene	2.38	96	214462	42.983	ug/l 88
11) Methyl Iodide	2.51	142	368716	90.764	ug/l 99
12) Methyl Acetate	2.78	43	367822	36.559	ug/l 93
13) Acrolein	2.30	56	124375	133.799	ug/l 99
14) Acrylonitrile	3.15	53	699958	170.245	ug/l 99
15) Acetone	2.45	58	207276	150.816	ug/l 99
16) Carbon Disulfide	2.57	76	520487	35.567	ug/l 100
17) Allyl chloride	2.73	41	385071	34.707	ug/l 92
18) Methylene Chloride	2.86	84	248538	42.834	ug/l 90
19) trans-1,2-Dichloroethene	3.17	96	232176	43.556	ug/l 91
20) Diisopropyl ether	3.87	45	711259	37.599	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	395359	37.932	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	259048	43.932	ug/l 89
23) tert-Butyl Alcohol	3.07	59	293752	154.792	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	763597	41.646	ug/l 99
25) Chloroform	5.21	83	419760	42.792	ug/l 96
26) Cyclohexane	5.57	56	337670	37.750	ug/l # 88
29) 1,1-Dichloropropene	5.80	75	301452	43.369	ug/l 97
30) 2-Butanone	4.70	43	929526	164.482	ug/l 95
31) 2,2-Dichloropropane	4.59	77	303334	39.775	ug/l 96
32) 1,1,1-Trichloroethane	5.50	97	355719	44.520	ug/l 97
33) Carbon Tetrachloride	5.79	117	315307	44.932	ug/l 99
34) Benzene	6.14	78	928237	44.007	ug/l 98
35) Methacrylonitrile	5.06	41	185196	35.263	ug/l 92
36) 1,2-Dichloroethane	6.20	62	318854	41.962	ug/l 99
37) Trichloroethene	7.21	130	268878	48.394	ug/l 97
38) Methylcyclohexane	7.46	83	376349	45.605	ug/l 90
39) 1,2-Dichloropropane	7.52	63	231489	41.190	ug/l 96
40) Dibromomethane	7.66	93	167462	45.973	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012519\
 Data File : VX007218.D
 Acq On : 25 Jan 2019 09:51
 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
 1/28/2019 12:05:07 PM

Quant Time: Jan 28 05:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	299570	42.660	ug/l	97
42) Vinyl Acetate	3.82	43	3040877	185.990	ug/l	96
43) Ethyl Acetate	4.85	43	335189	35.956	ug/l	98
44) Isopropyl Acetate	6.46	43	541479	38.923	ug/l	100
45) 1,4-Dioxane	7.75	88	128151	781.893	ug/l	88
46) Methyl methacrylate	7.77	41	275244	38.135	ug/l	92
47) n-amyl Acetate	10.90	43	477328	37.190	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	333957	41.570	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	365047	41.921	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	255780	46.380	ug/l	99
51) Ethyl methacrylate	9.18	69	371299	42.423	ug/l	94
52) 1,3-Dichloropropane	9.37	76	409302	43.992	ug/l	100
53) Dibromochloromethane	9.59	129	264128	46.163	ug/l	98
54) 1,2-Dibromoethane	9.67	107	278041	48.378	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	1025155	221.978	ug/l	98
56) Bromoform	10.86	173	202895	42.462	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	1806919	187.026	ug/l	98
59) 2-Hexanone	9.49	43	1391948	174.871	ug/l	99
61) Tetrachloroethene	9.34	164	292130	55.787	ug/l	98
62) Toluene	8.79	91	1050794	46.467	ug/l	100
64) Chlorobenzene	10.14	112	697887	47.787	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	254484	47.936	ug/l	99
66) Ethyl Benzene	10.25	91	1151512	46.643	ug/l	97
67) m/p-Xylenes	10.36	106	912437	94.920	ug/l	93
68) o-Xylene	10.70	106	448264	48.377	ug/l	93
69) Styrene	10.71	104	734491	47.140	ug/l	98
70) Isopropylbenzene	11.02	105	1190352	47.974	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	373224	40.498	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	357423m	42.571	ug/l	
73) Bromobenzene	11.26	156	323298	47.401	ug/l	94
74) n-propylbenzene	11.36	91	1340469	45.915	ug/l	97
75) 2-Chlorotoluene	11.42	91	790034	44.371	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	983248	45.928	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	108446	39.285	ug/l	100
78) 4-Chlorotoluene	11.51	91	909489	43.946	ug/l	96
79) tert-butylbenzene	12.06	119	1070563	47.119	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	1007985	46.168	ug/l	98
81) sec-Butylbenzene	11.94	105	1186408	46.947	ug/l	98
82) p-Isopropyltoluene	12.06	119	1070563	47.119	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	578849	45.895	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	576900	45.073	ug/l	99
85) n-Butylbenzene	12.39	91	924255	44.788	ug/l	98
86) Hexachloroethane	12.60	117	169179	45.205	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	566747	44.205	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	78527	36.873	ug/l	86
89) 1,2,4-Trichlorobenzene	13.65	180	397580	41.570	ug/l	99
90) Hexachlorobutadiene	13.78	225	187643	39.741	ug/l	99
91) Naphthalene	13.83	128	1224829	41.187	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	389900	39.757	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
Data File : VX007218.D
Acq On : 25 Jan 2019 09:51
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

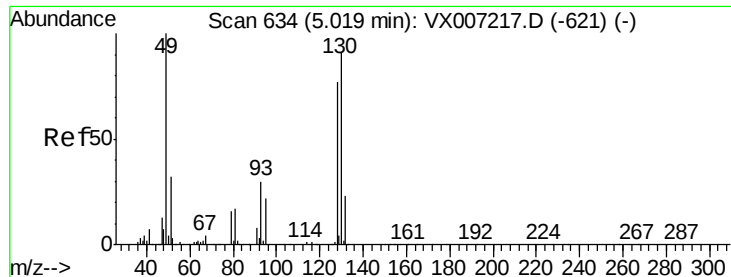
Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM

Quant Time: Jan 28 05:48:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 25 09:22:37 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

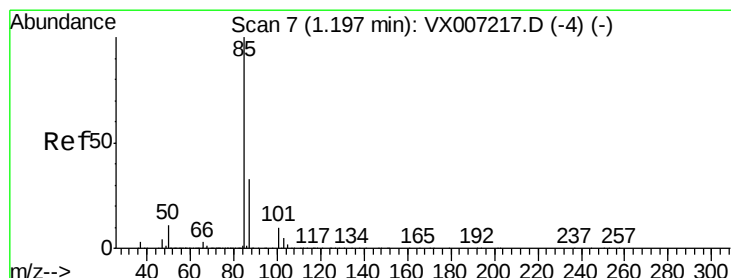
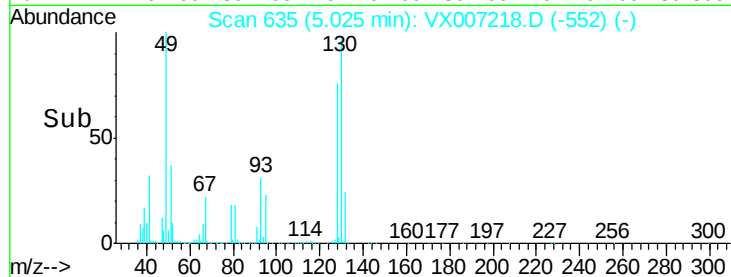
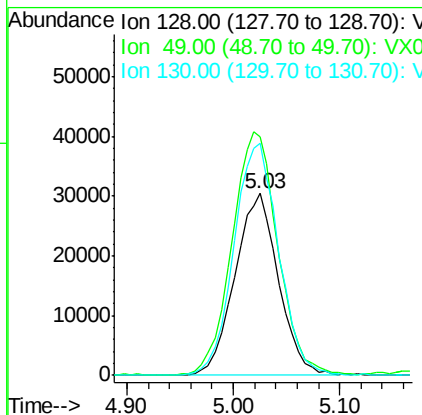
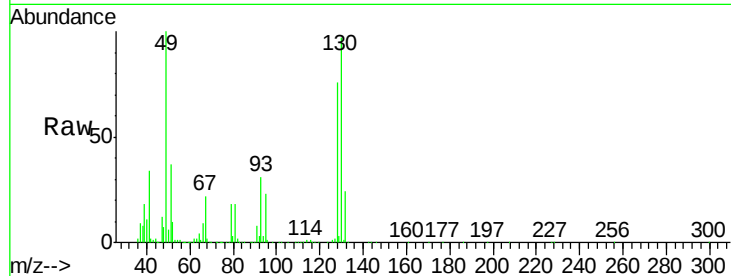
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	141.6	0.0	429.5
130	131.2	0.0	325.8

Manual Integrations
 APPROVED

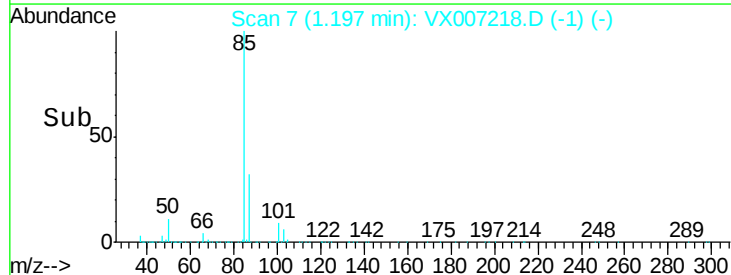
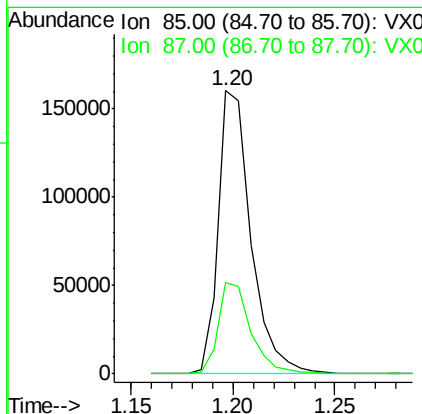
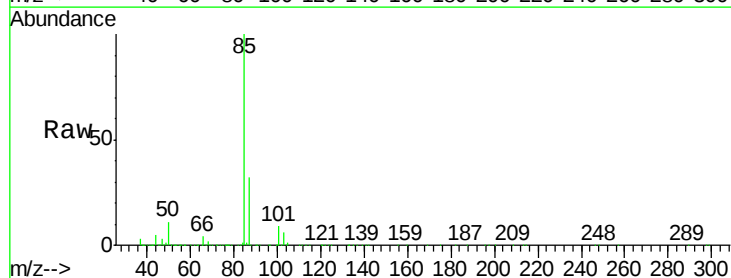
MMDadoda
 1/28/2019 12:05:07 PM

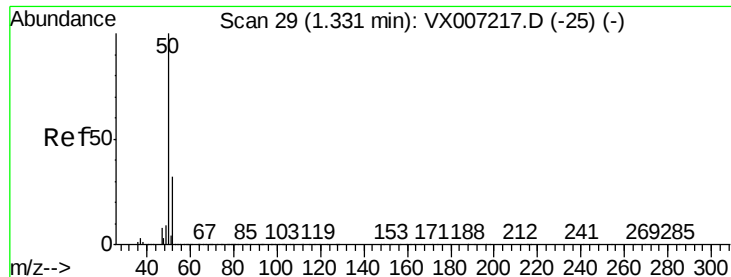


#2

Dichlorodifluoromethane
 Concen: 26.121 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.5	49.5





#3

Chloromethane

Concen: 29.523 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 207948

Ion Ratio Lower Upper

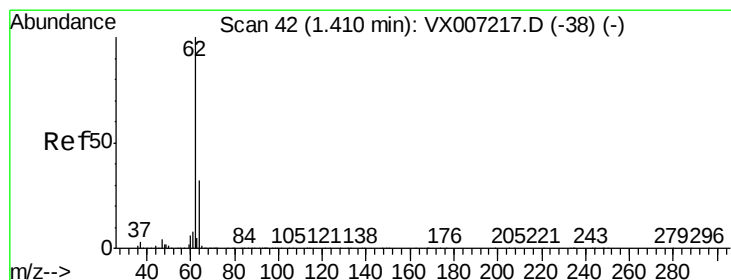
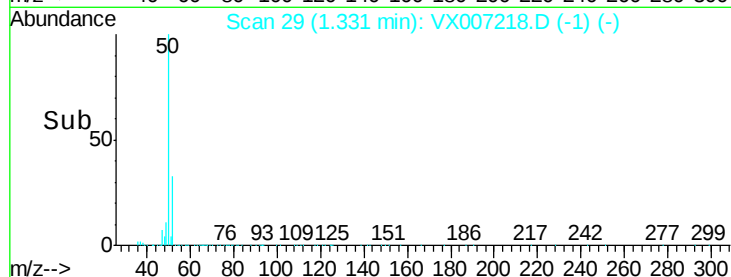
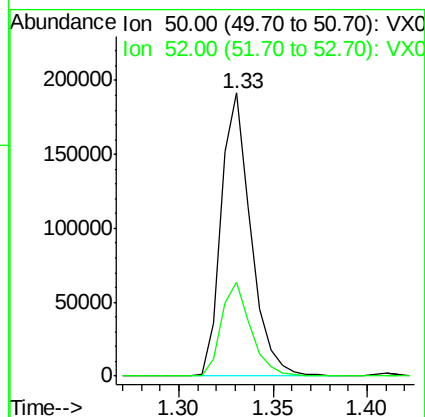
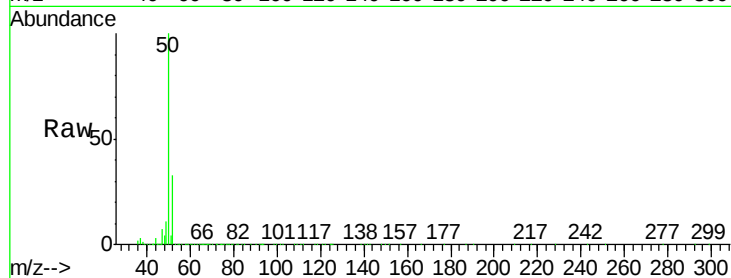
50 100

52 33.3 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#4

Vinyl Chloride

Concen: 33.191 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX007218.D

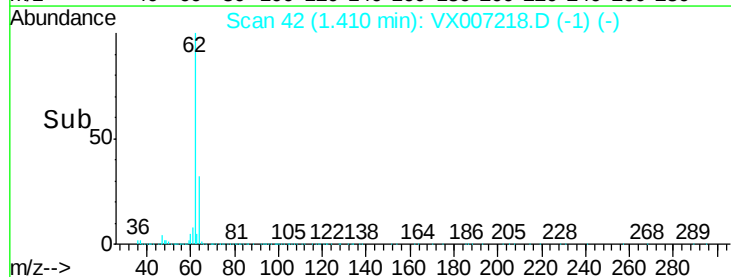
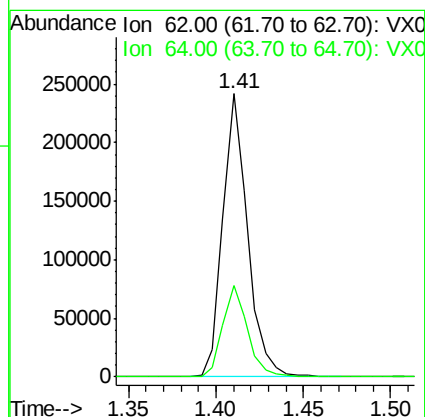
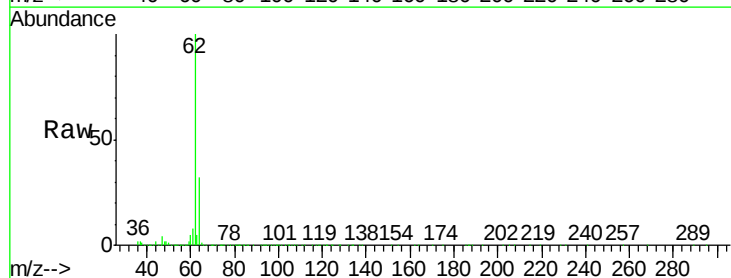
Acq: 25 Jan 2019 09:51

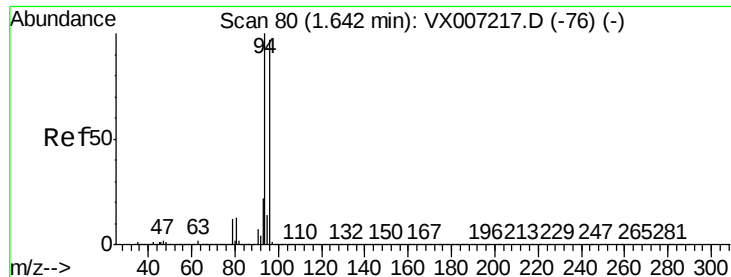
Tgt Ion: 62 Resp: 238997

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 70.658 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 244143

Ion Ratio Lower Upper

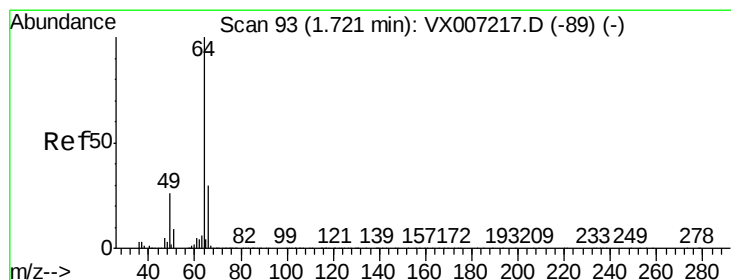
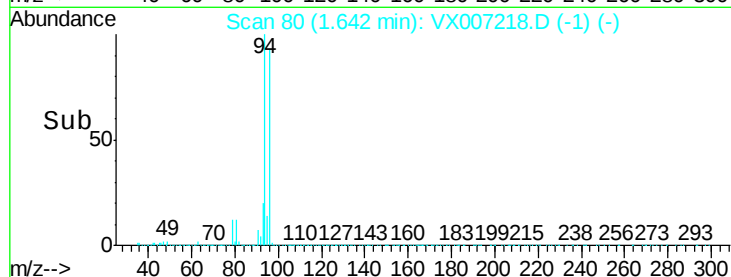
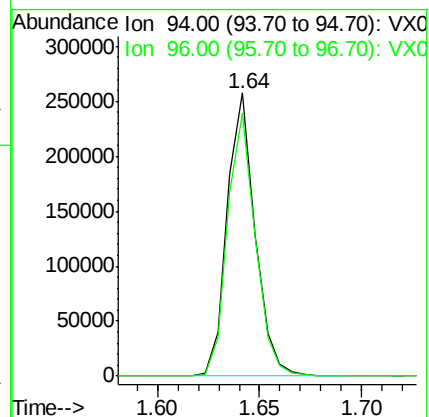
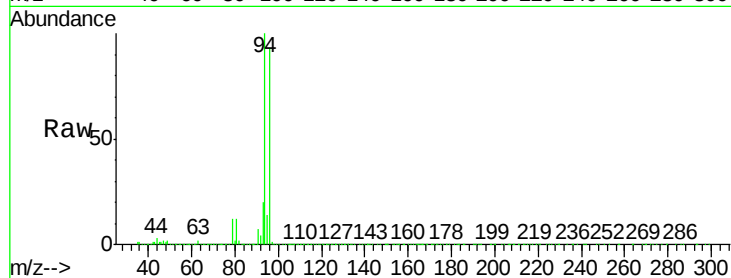
94 100

96 93.0 73.8 110.8

Manual Integrations
APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#6

Chloroethane

Concen: 38.425 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007218.D

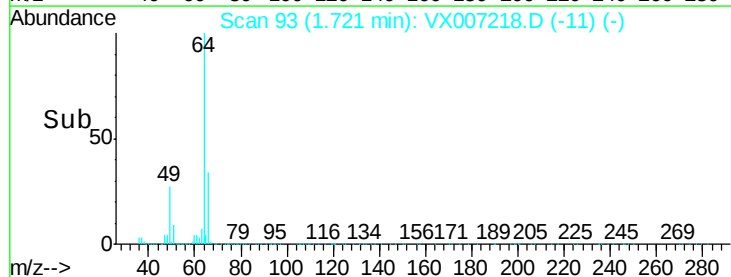
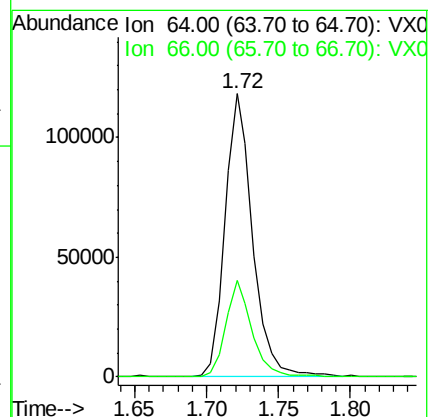
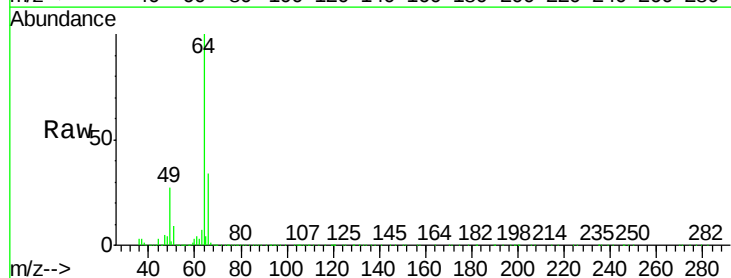
Acq: 25 Jan 2019 09:51

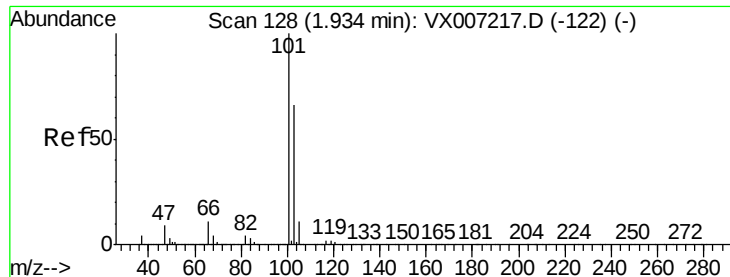
Tgt Ion: 64 Resp: 158849

Ion Ratio Lower Upper

64 100

66 34.0 26.0 39.0





#7

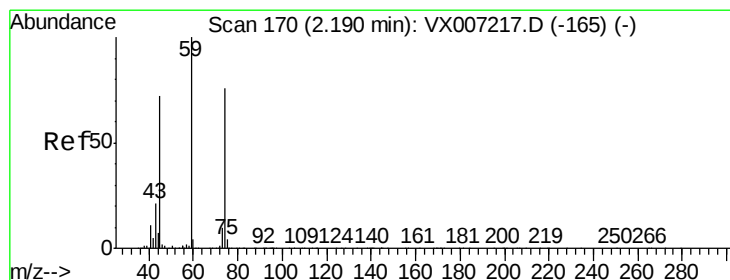
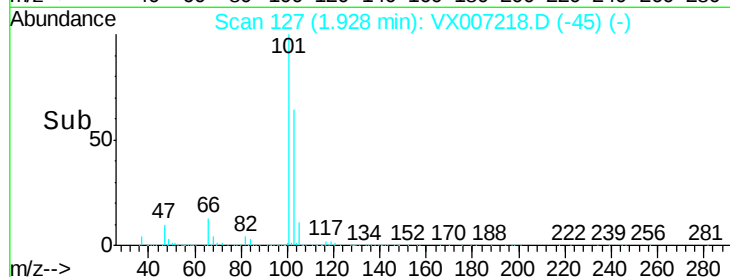
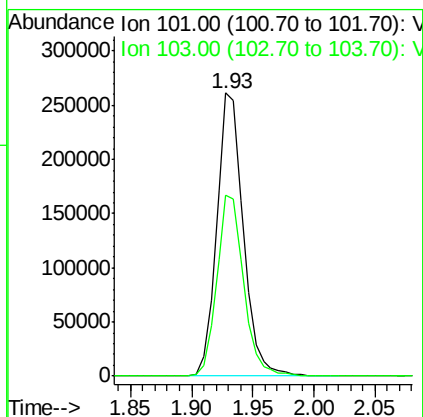
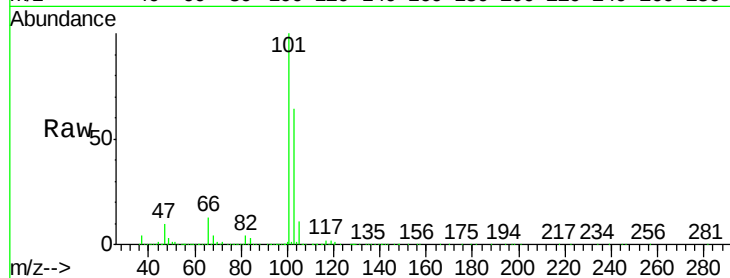
Trichlorofluoromethane
Concen: 42.986 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.1	76.7

Manual Integrations
APPROVED

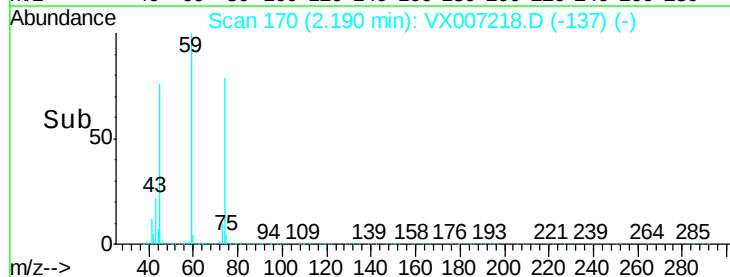
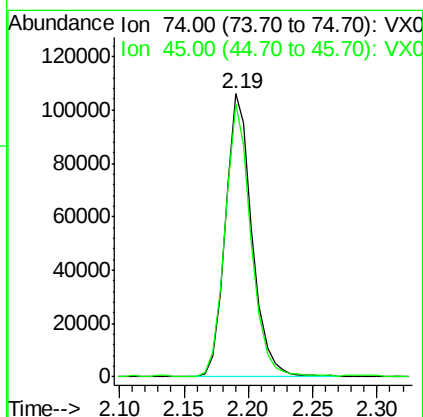
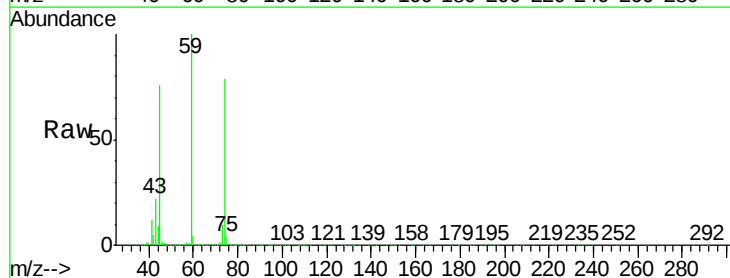
MMDadoda
1/28/2019 12:05:07 PM

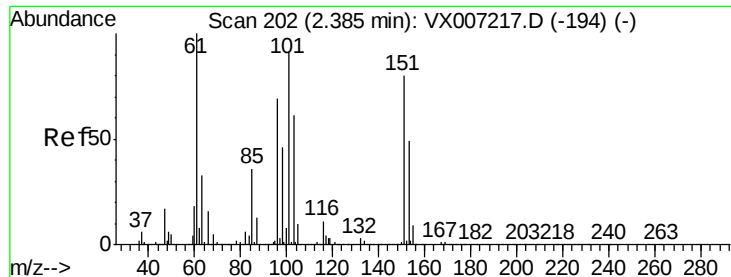


#8

Diethyl Ether
Concen: 40.964 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	21.6	194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.489 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

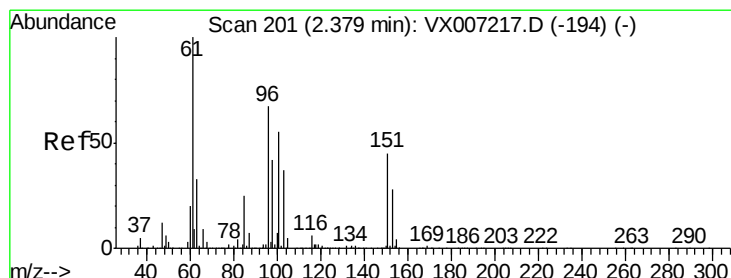
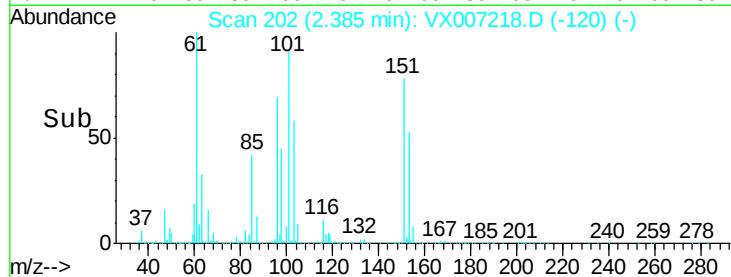
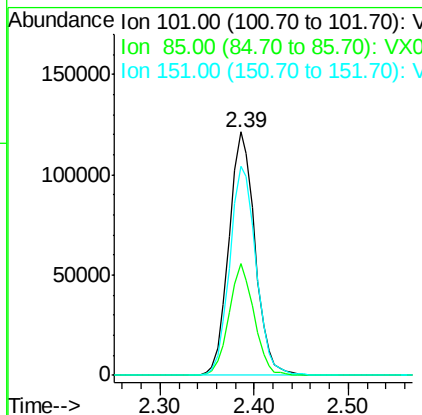
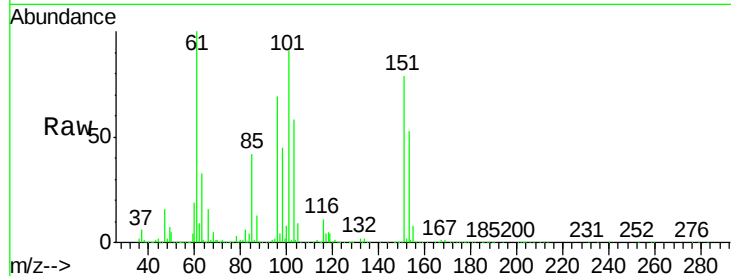
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	234354
Ion Ratio		Lower	Upper
101	100		
85	43.8	0.0	88.0
151	86.5	0.0	164.8

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#10

1,1-Dichloroethene

Concen: 42.983 ug/l

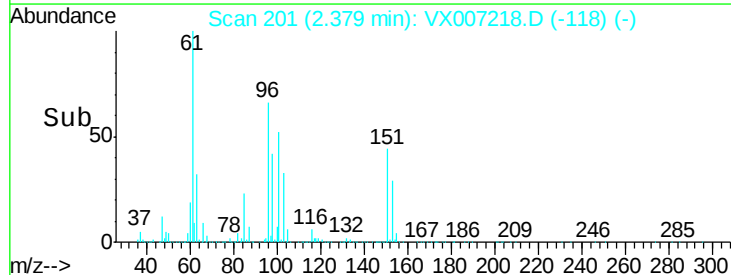
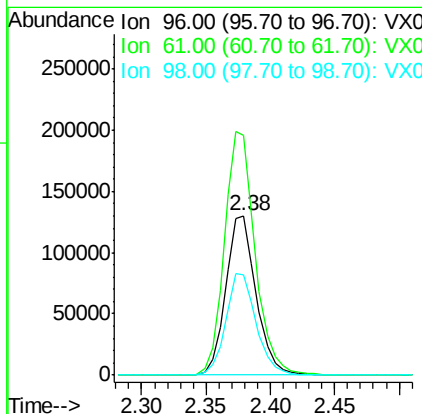
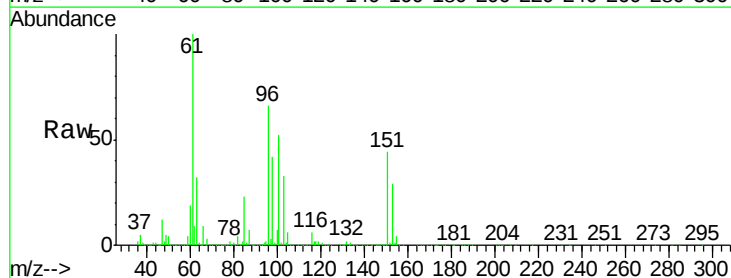
RT: 2.38 min Scan# 201

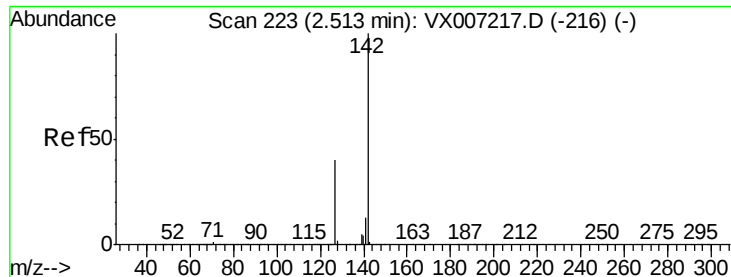
Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	96	Resp:	214462
Ion Ratio		Lower	Upper
96	100		
61	150.5	137.9	206.9
98	62.5	51.0	76.4





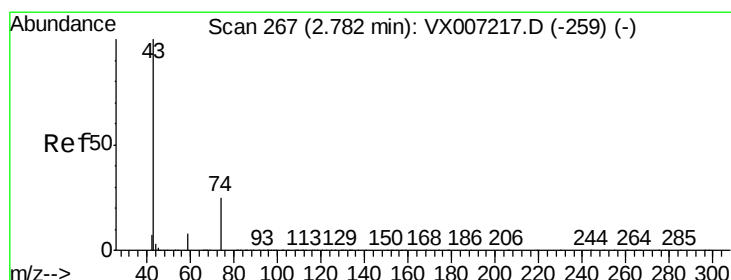
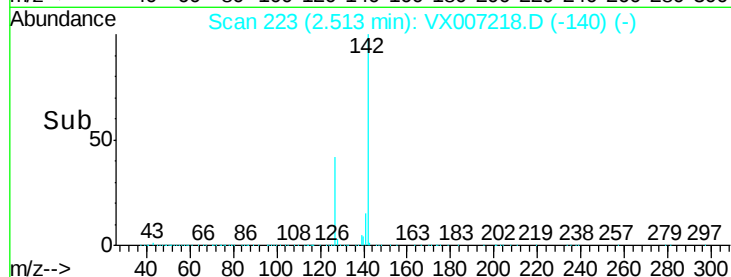
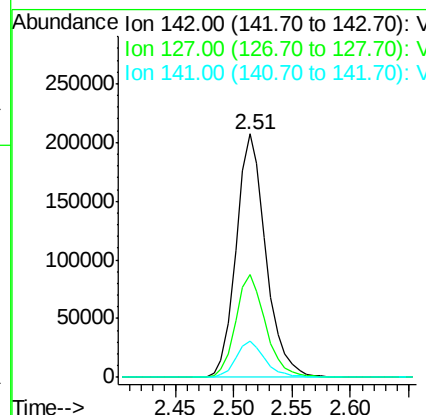
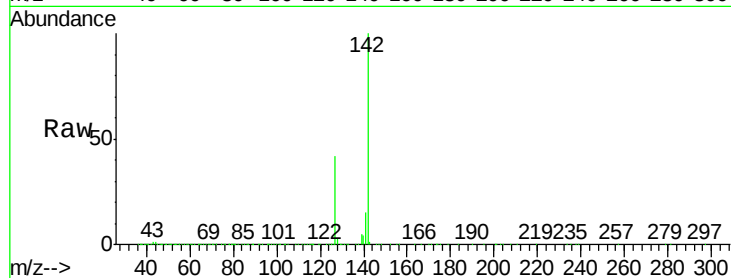
#11
Methvl Iodide
Concen: 90.764 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	21.6	64.8
141	14.8	7.5	22.6

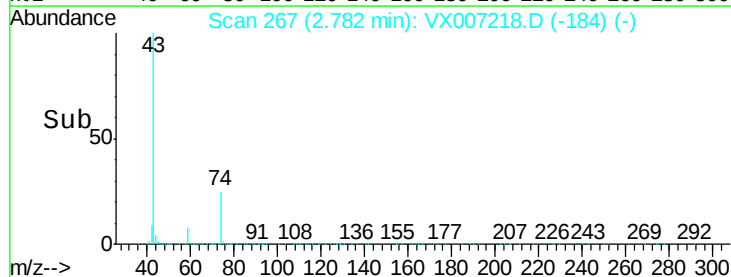
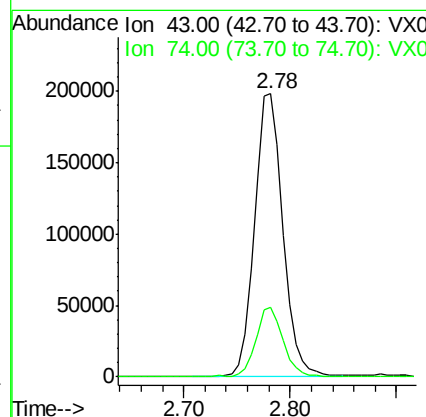
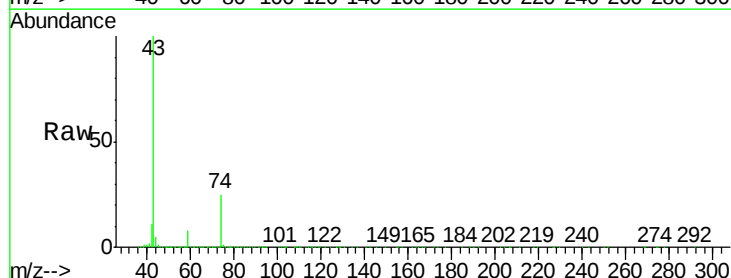
Manual Integrations
APPROVED

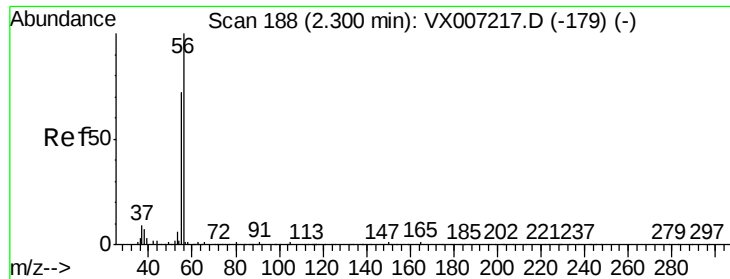
MMDadoda
1/28/2019 12:05:07 PM



#12
Methyl Acetate
Concen: 36.559 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	17.0	25.6





#13

Acrolein

Concen: 133.799 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 124375

Ion Ratio Lower Upper

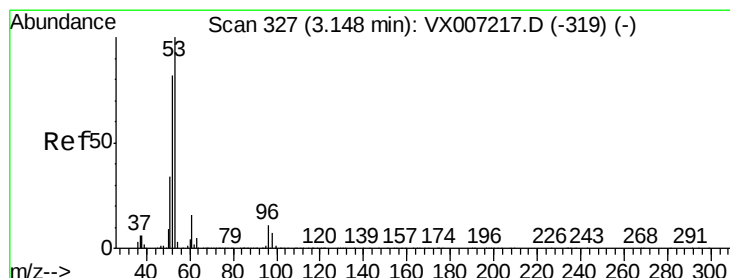
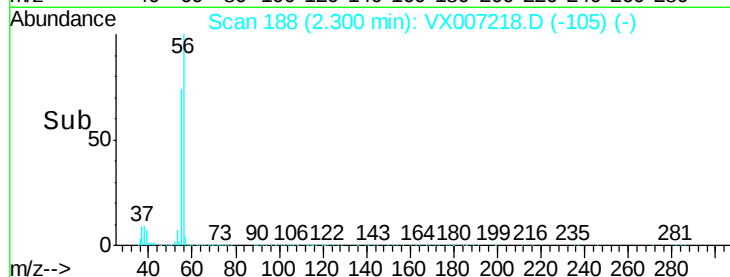
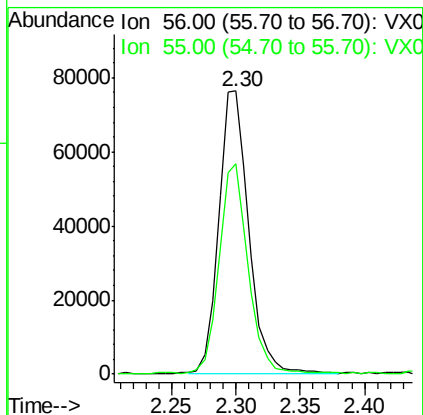
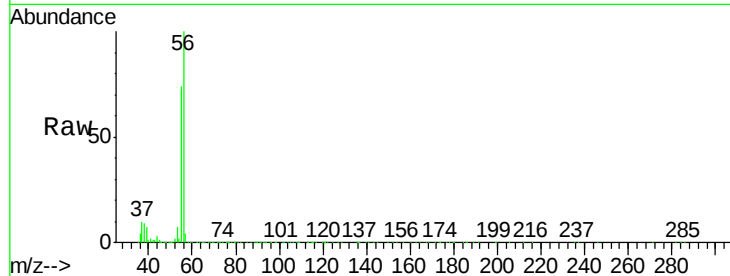
56 100

55 71.7 57.9 86.9

Manual Integrations
APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#14

Acrylonitrile

Concen: 170.245 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

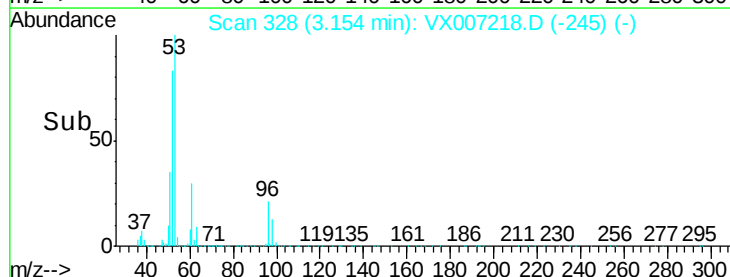
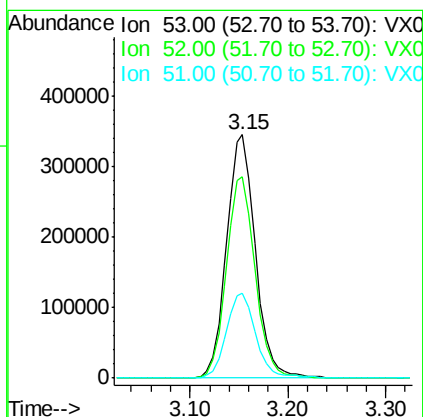
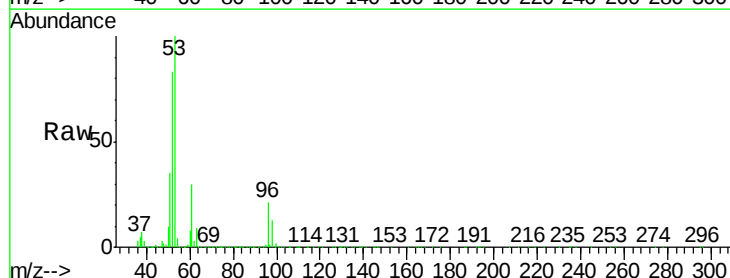
Tgt Ion: 53 Resp: 699958

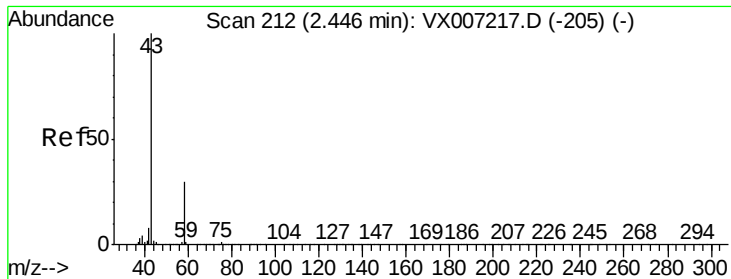
Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.6

51 36.0 18.0 54.0





#15

Acetone

Concen: 150.816 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 207276

Ion Ratio Lower Upper

58 100

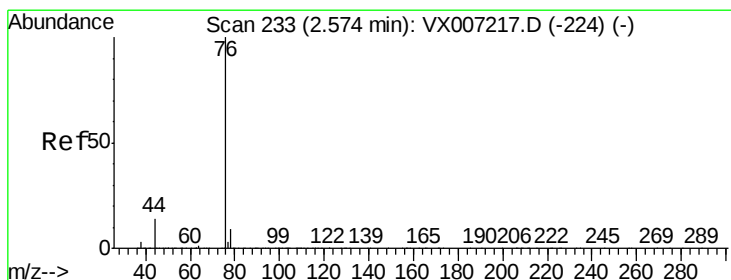
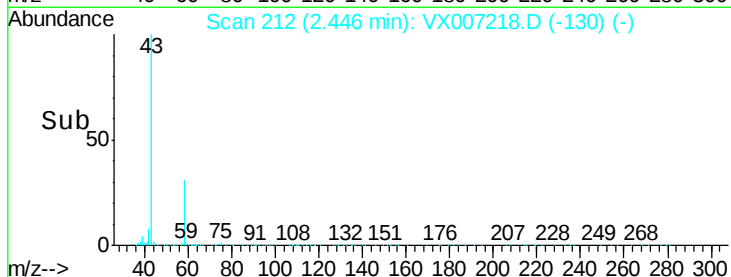
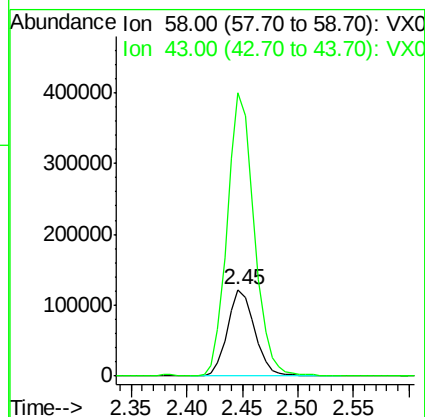
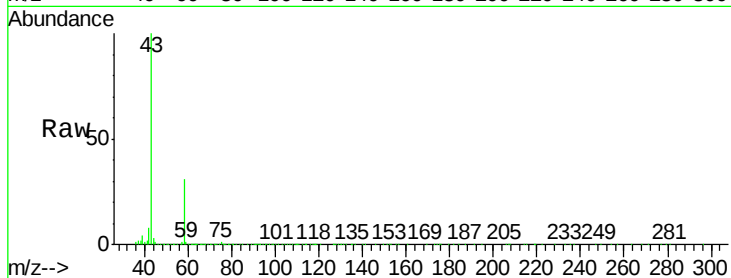
43 326.3 258.6 388.0

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#16

Carbon Disulfide

Concen: 35.567 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007218.D

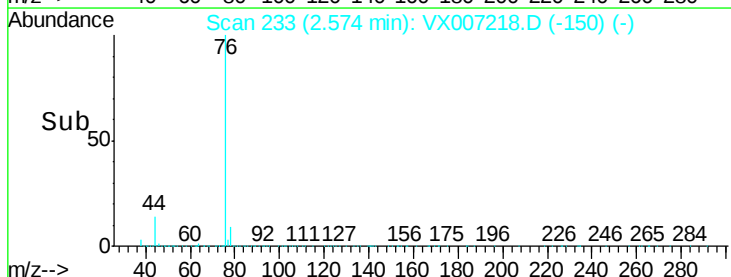
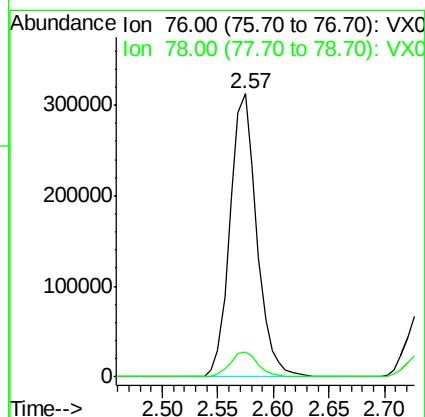
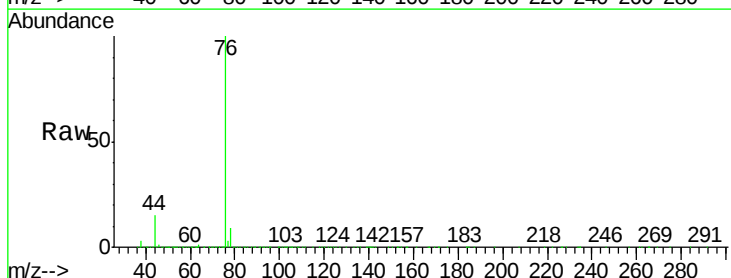
Acq: 25 Jan 2019 09:51

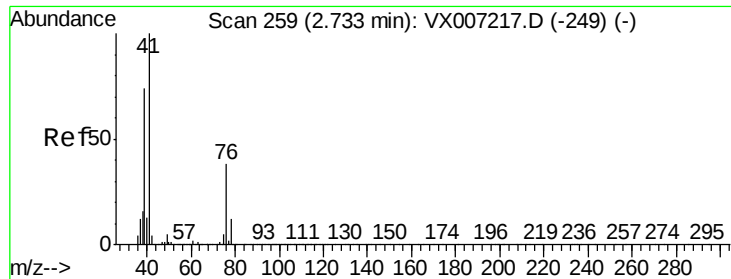
Tgt Ion: 76 Resp: 520487

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





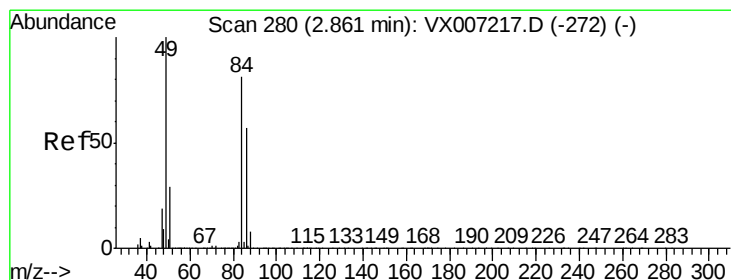
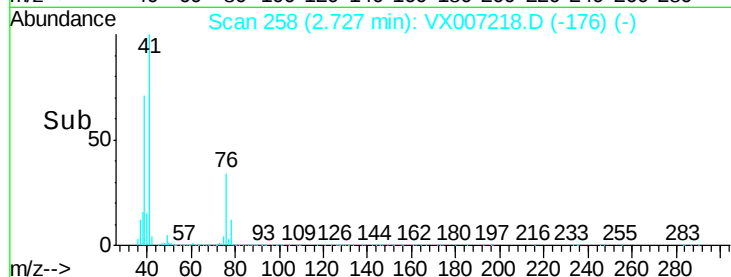
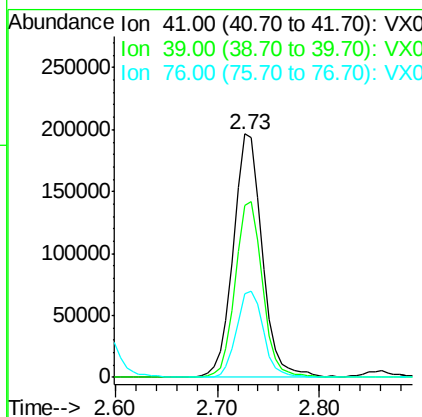
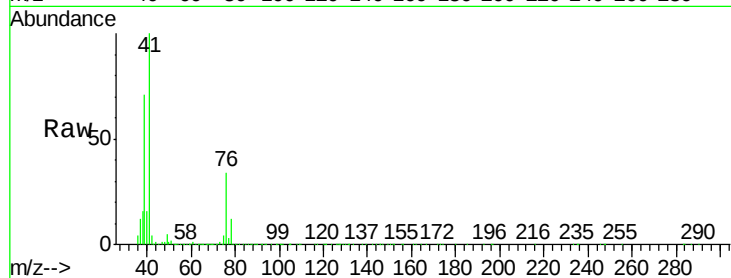
#17
Allvl chloride
Concen: 34.707 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.7	31.8	95.4
76	34.4	15.3	45.8

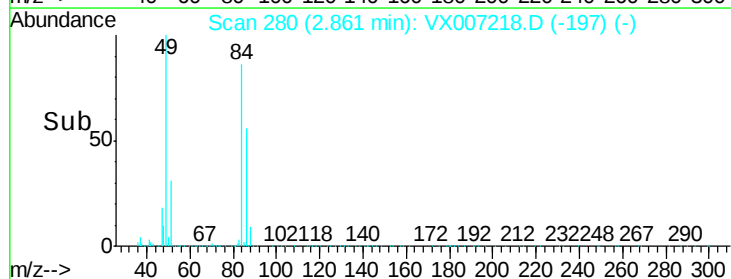
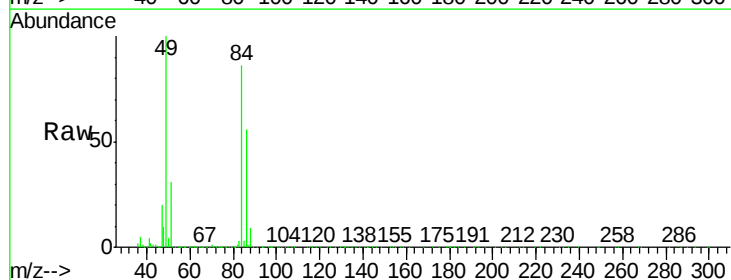
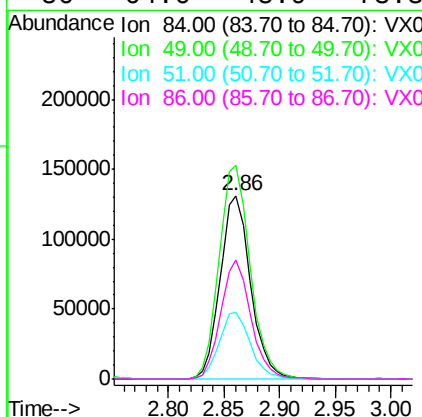
Manual Integrations
APPROVED

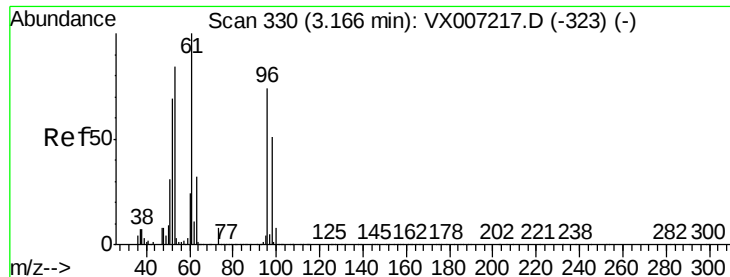
MMDadoda
1/28/2019 12:05:07 PM



#18
Methylene Chloride
Concen: 42.834 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.2	106.2	159.4
51	36.5	31.3	46.9
86	64.6	48.9	73.3





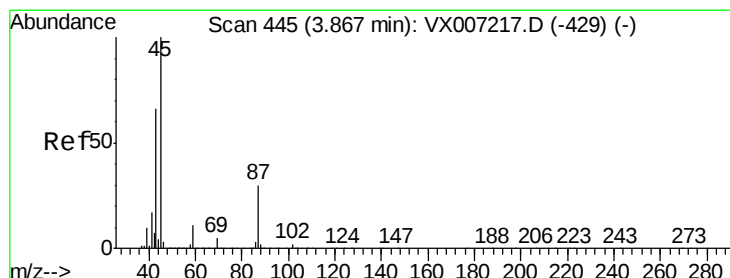
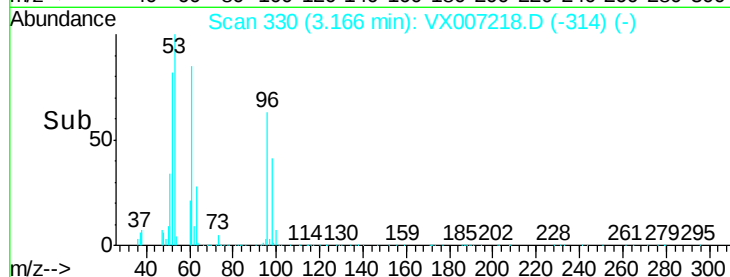
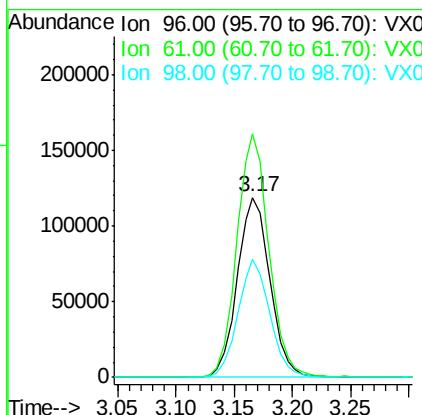
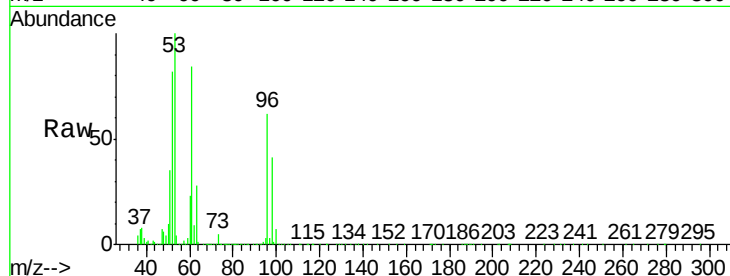
#19
trans-1,2-Dichloroethene
Concen: 43.556 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	119.5	179.3
98	65.8	50.6	75.8

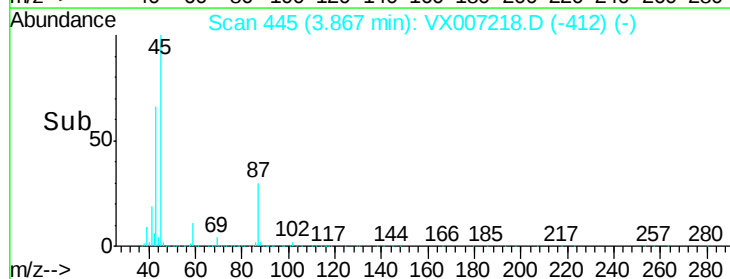
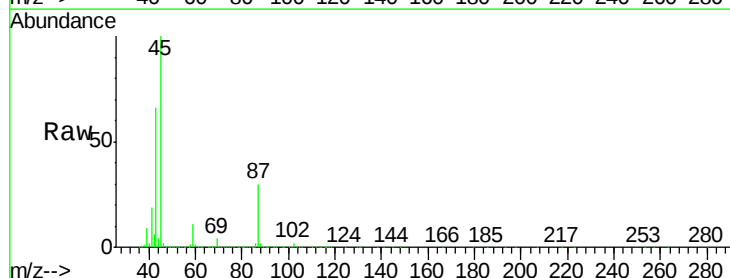
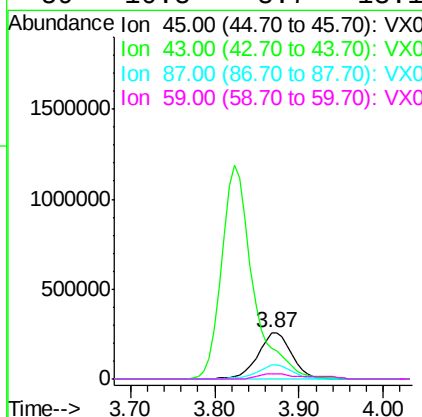
Manual Integrations
APPROVED

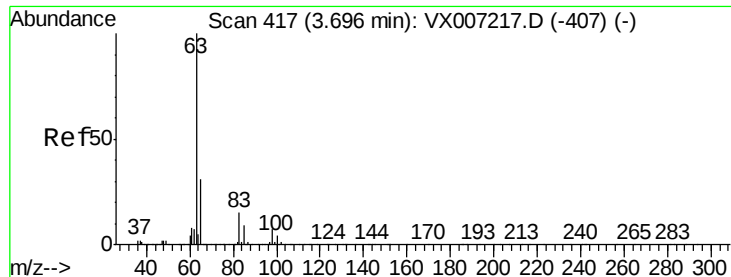
MMDadoda
1/28/2019 12:05:07 PM



#20
Diisopropyl ether
Concen: 37.599 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	49.8	74.8
87	30.2	19.1	28.7#
59	10.8	8.7	13.1





#21

1,1-Dichloroethane

Concen: 37.932 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

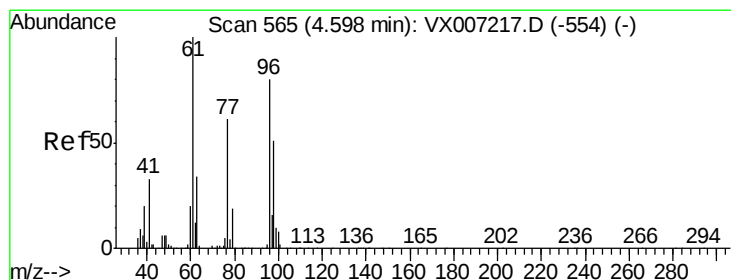
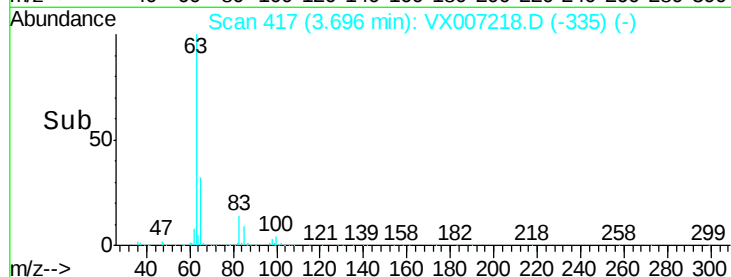
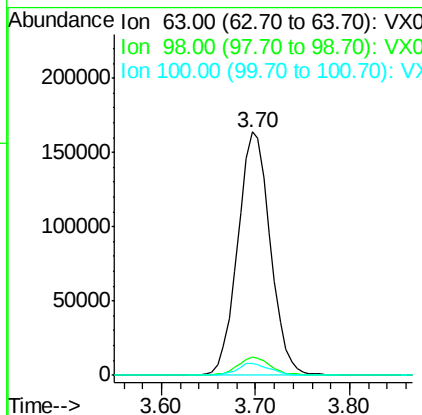
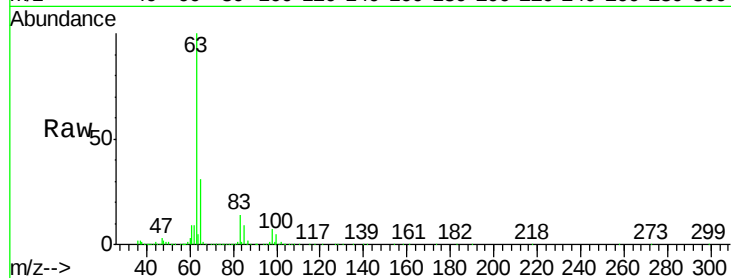
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	395359
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.2	9.6
100	4.8	2.1	6.5

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#22

cis-1,2-Dichloroethene

Concen: 43.932 ug/l

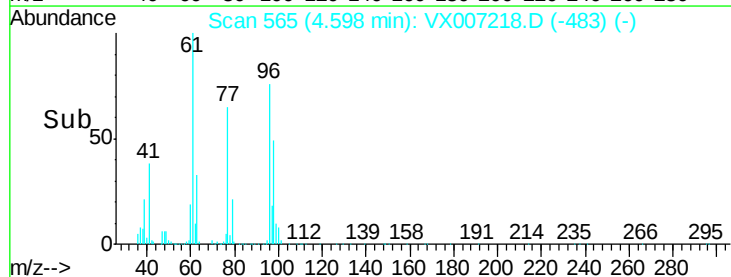
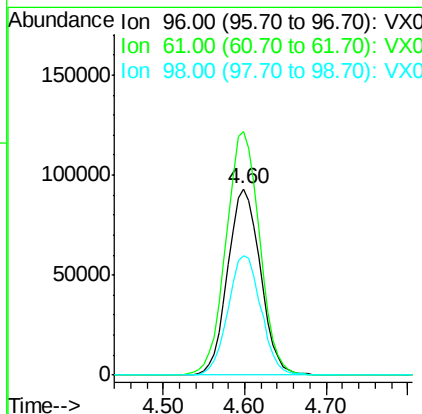
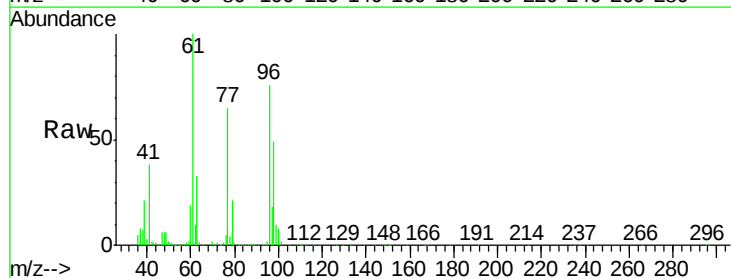
RT: 4.60 min Scan# 565

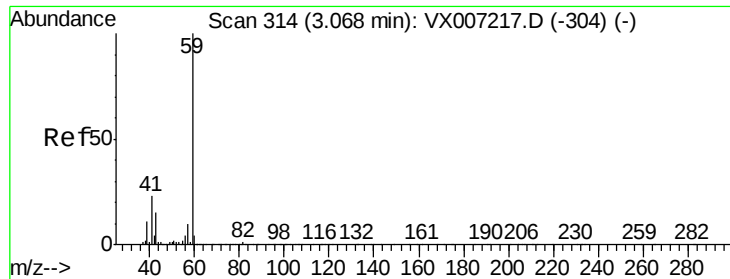
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	96	Resp:	259048
Ion Ratio	Lower	Upper	
96	100		
61	134.0	123.3	184.9
98	64.1	51.4	77.0





#23

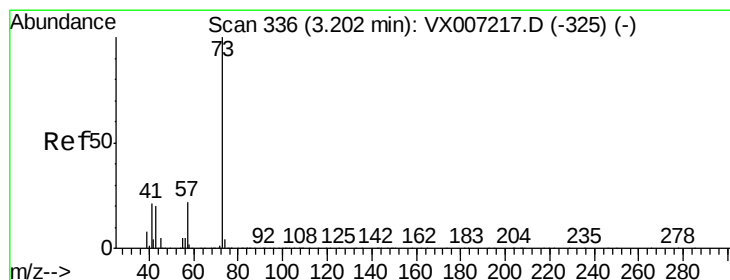
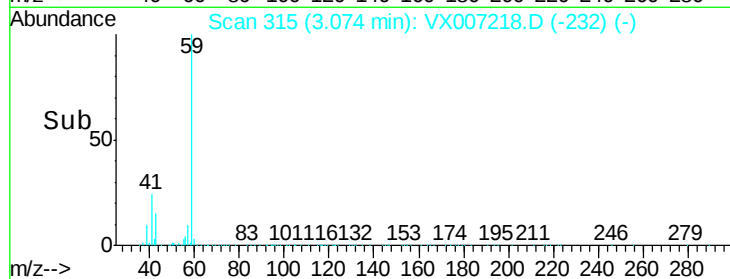
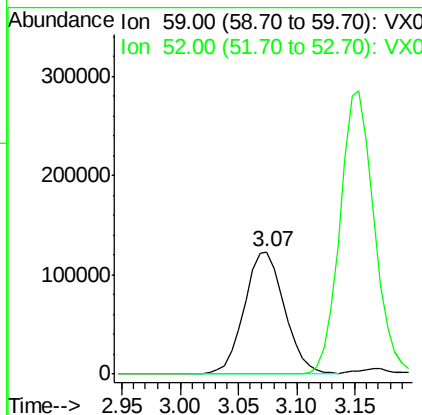
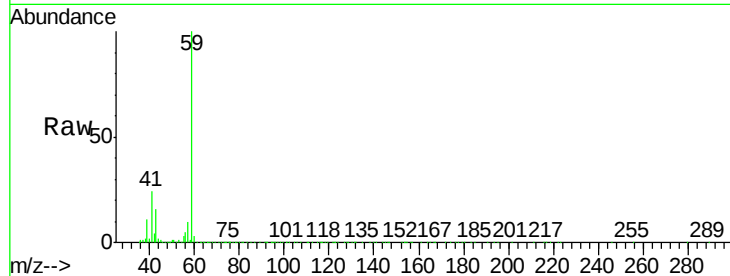
tert-Butyl Alcohol
Concen: 154.792 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		293752		
52	0.1		0.1	0.1	0.1

Manual Integrations
APPROVED

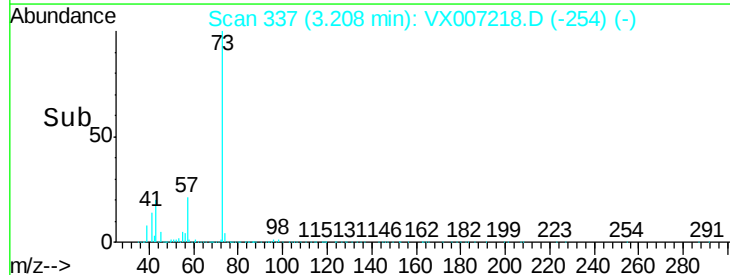
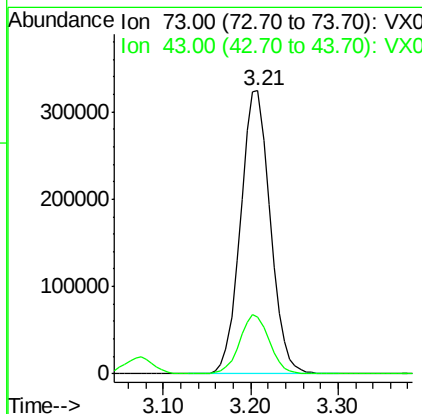
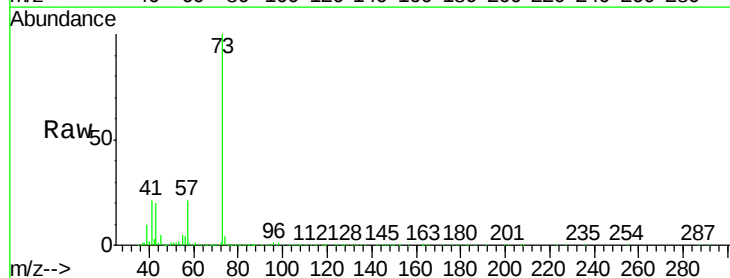
MMDadoda
1/28/2019 12:05:07 PM

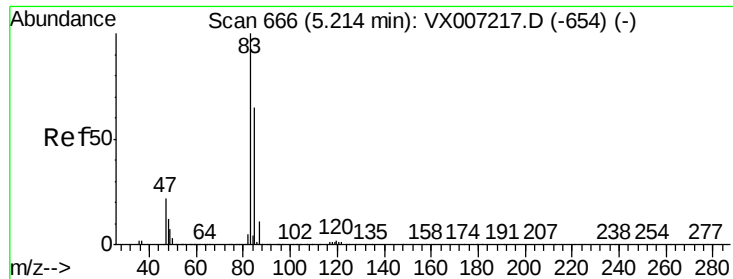


#24

Methyl tert-Butyl Ether
Concen: 41.646 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		763597		
43	20.7		16.3	24.5	





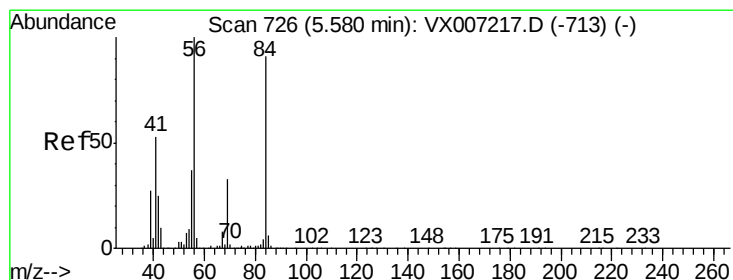
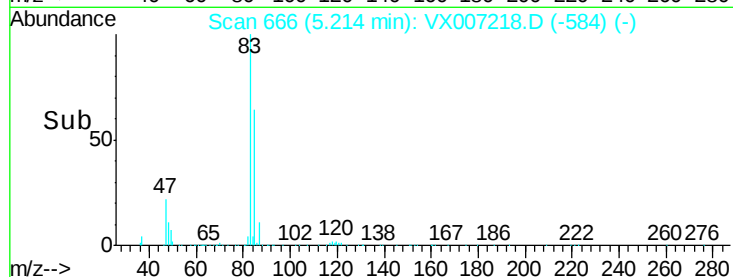
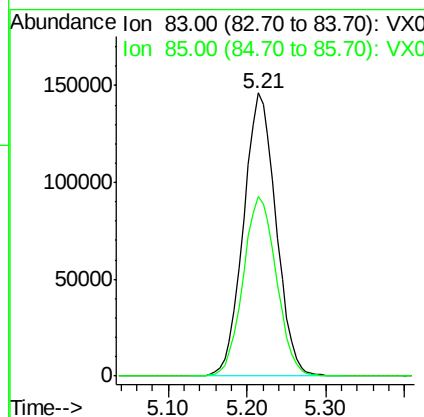
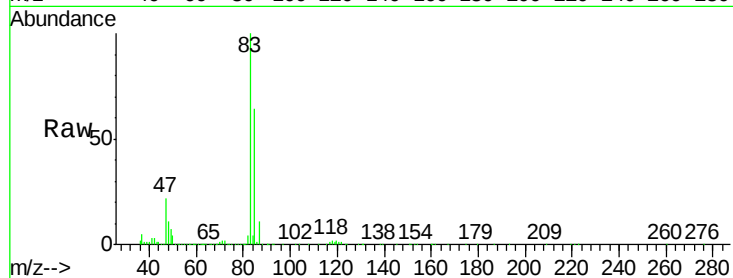
#25
Chloroform
Concen: 42.792 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	419760
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	53.1	79.7

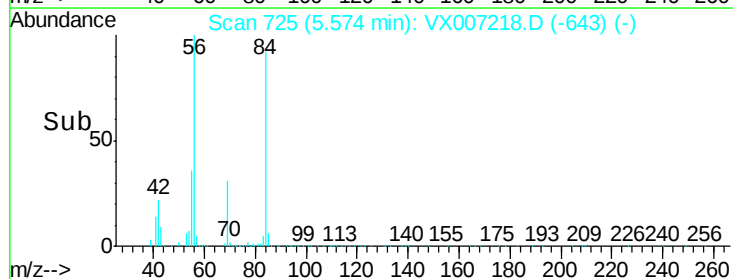
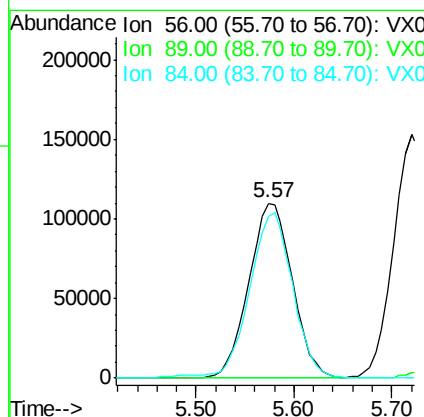
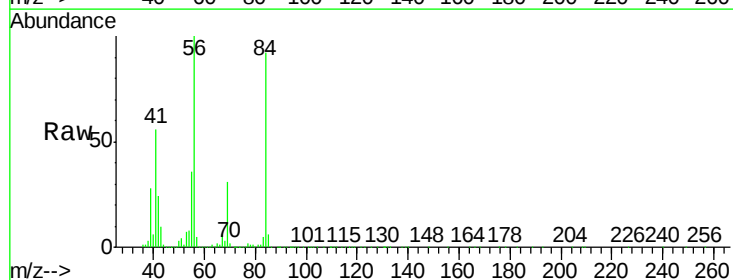
Manual Integrations
APPROVED

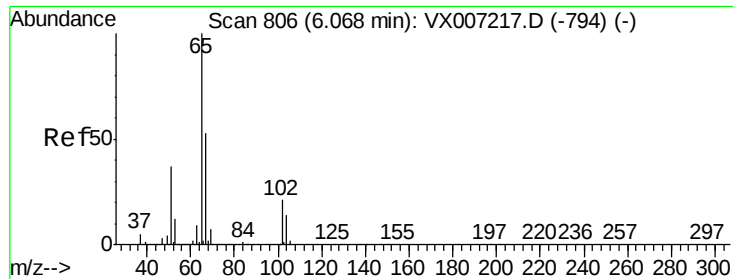
MMDadoda
1/28/2019 12:05:07 PM



#26
Cyclohexane
Concen: 37.750 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	56	Resp	337670
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.0	0.0#
84	93.4	65.8	98.6





#27

1,2-Dichloroethane-d4

Concen: 25.653 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 169972

Ion Ratio Lower Upper

65 100

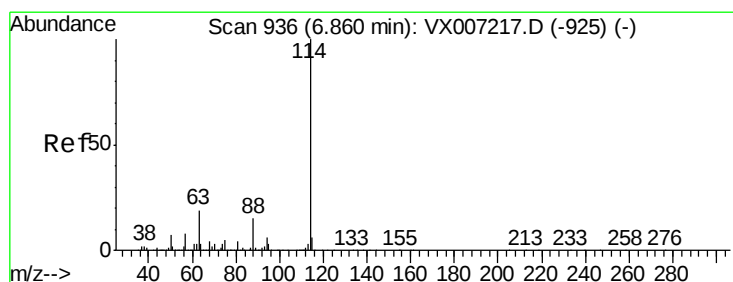
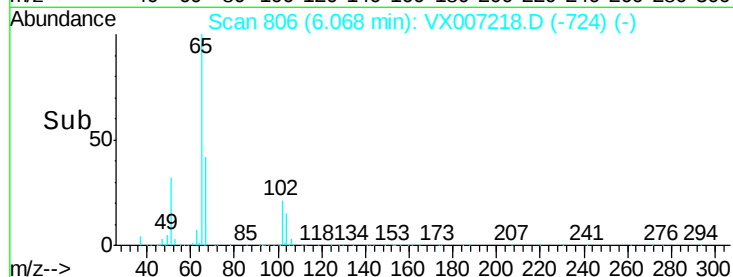
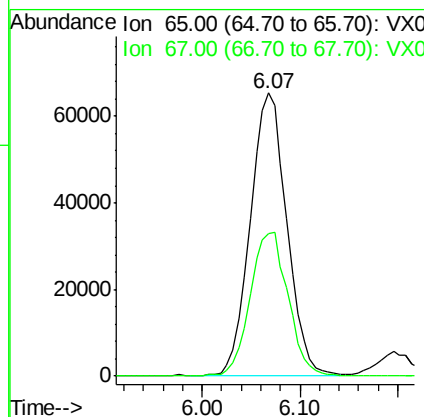
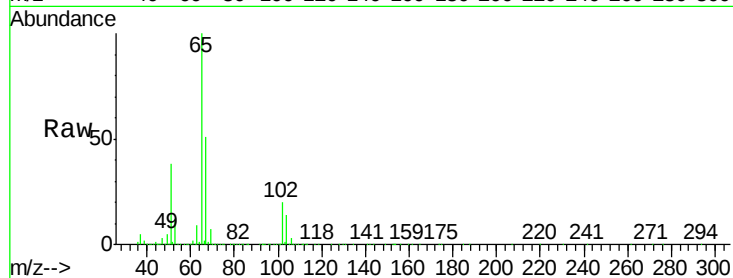
67 52.0 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

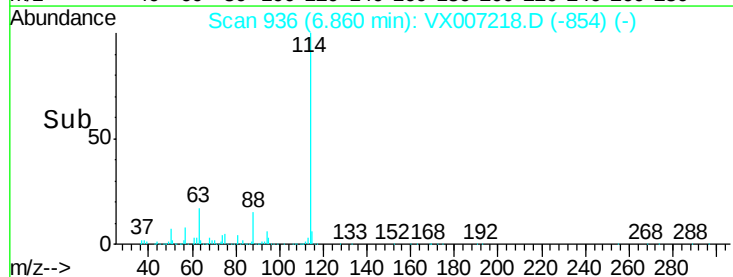
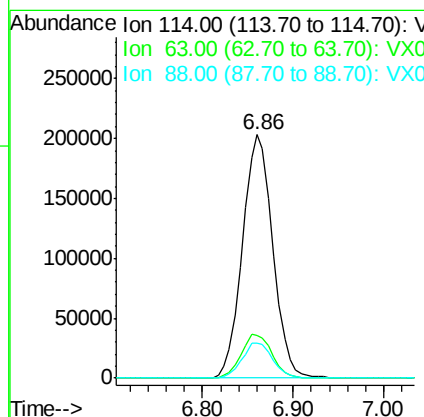
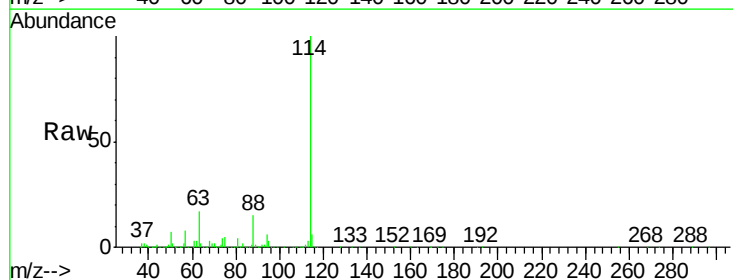
Tgt Ion: 114 Resp: 469723

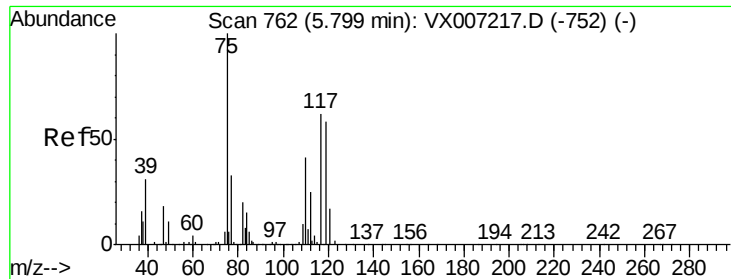
Ion Ratio Lower Upper

114 100

63 18.1 16.6 24.8

88 14.5 12.4 18.6





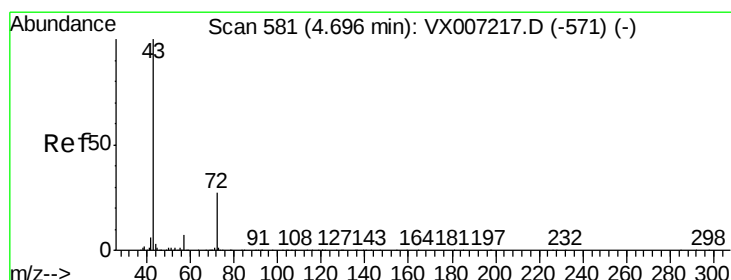
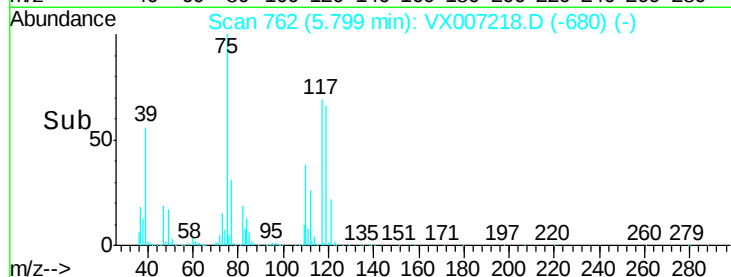
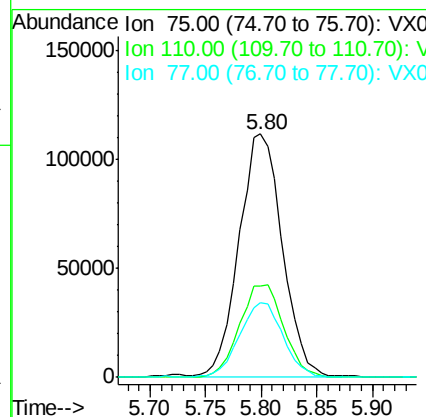
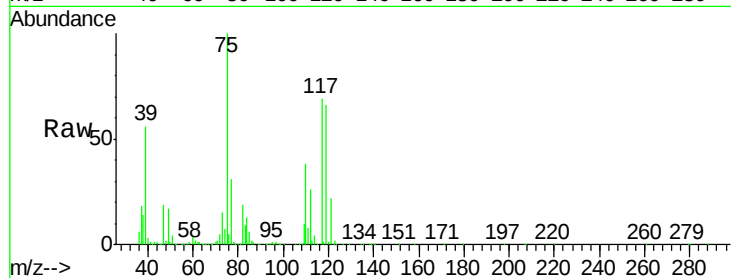
#29
 1,1-Dichloropropene
 Concen: 43.369 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.0	0.0	70.8
77	31.3	0.0	63.0

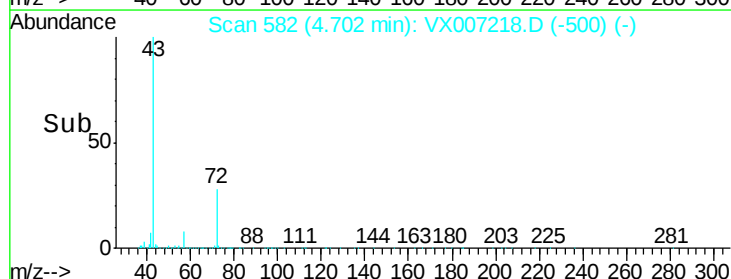
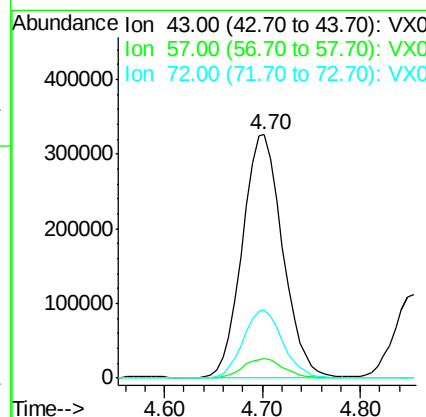
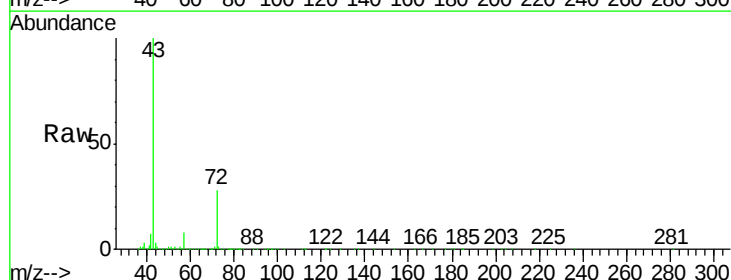
Manual Integrations
 APPROVED

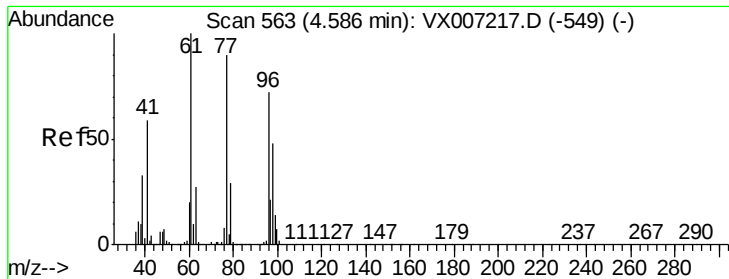
MMDadoda
 1/28/2019 12:05:07 PM



#30
 2-Butanone
 Concen: 164.482 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	27.5	19.7	29.5





#31

2,2-Dichloropropane

Concen: 39.775 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 303334

Ion Ratio Lower Upper

77 100

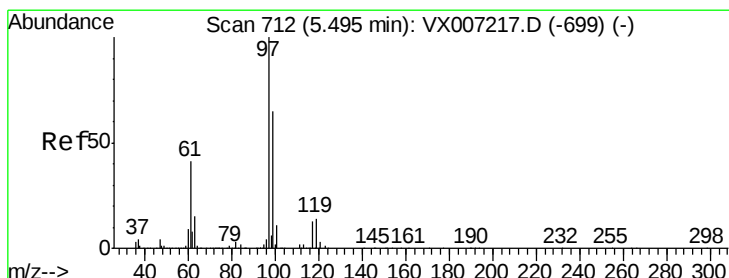
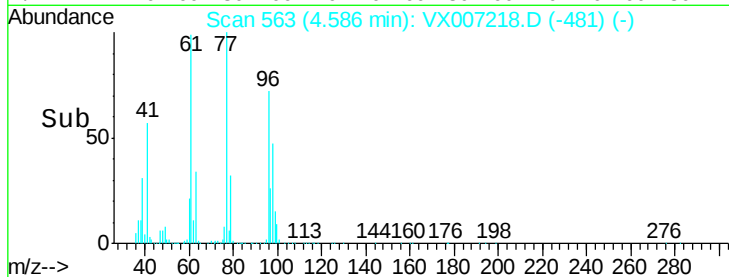
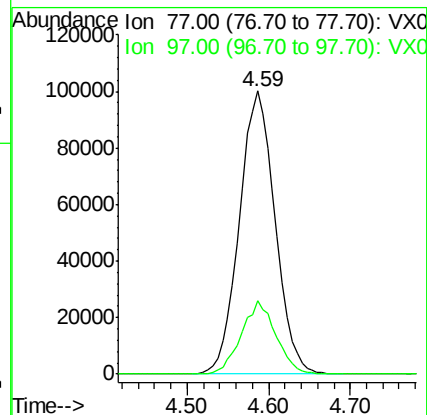
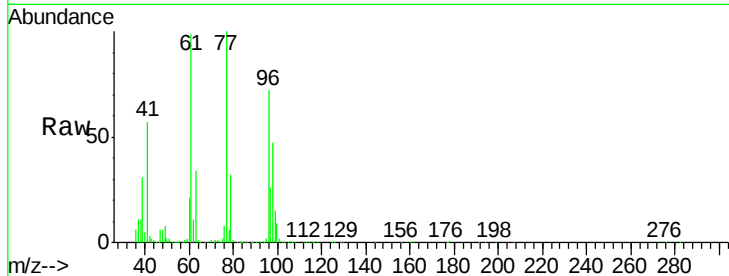
97 25.2 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#32

1,1,1-Trichloroethane

Concen: 44.520 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

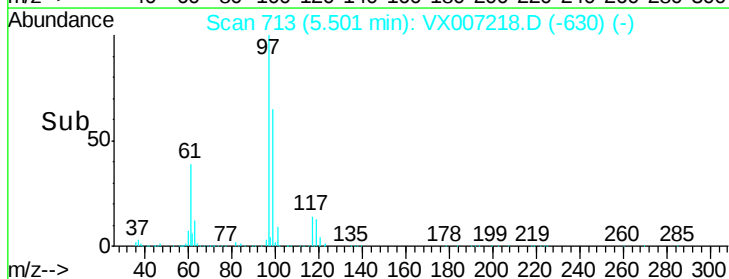
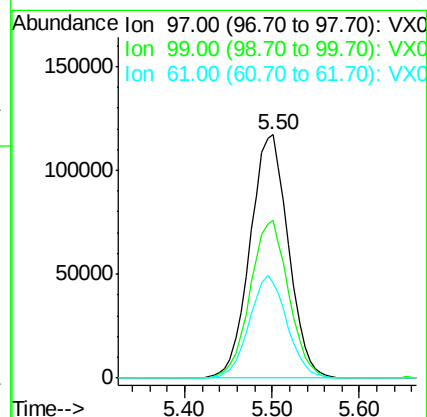
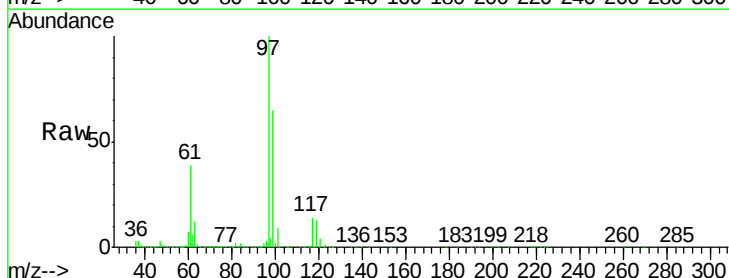
Tgt Ion: 97 Resp: 355719

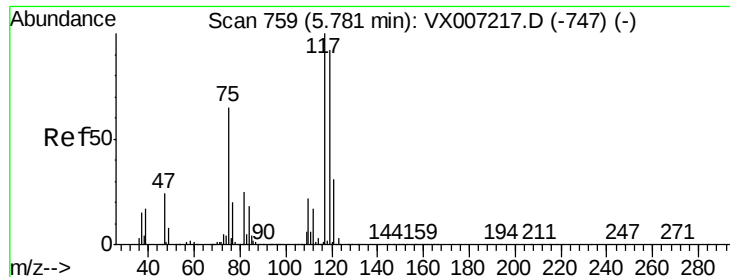
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 41.1 35.8 53.6





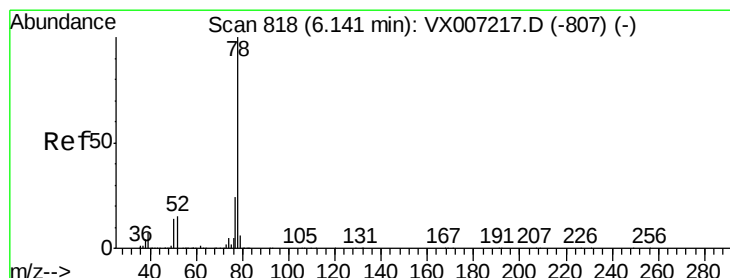
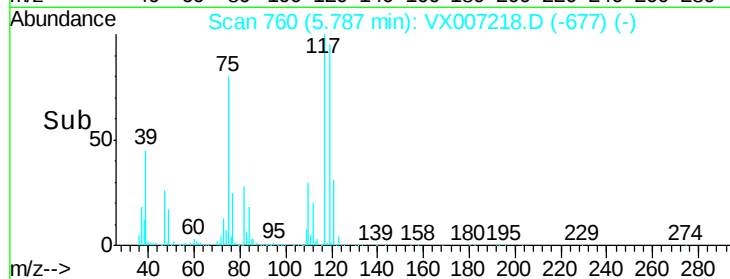
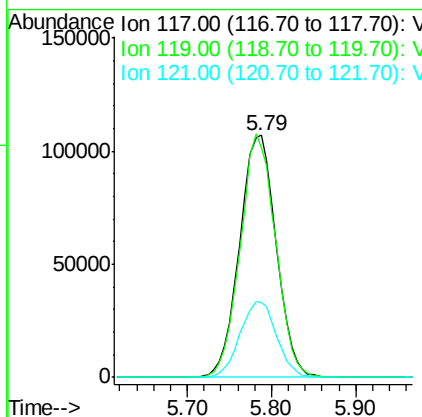
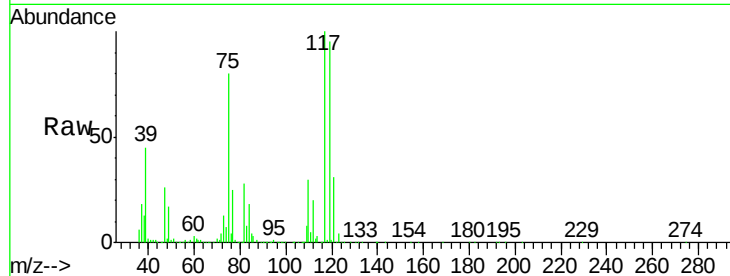
#33
Carbon Tetrachloride
Concen: 44.932 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.4
121	30.9	25.2	37.8

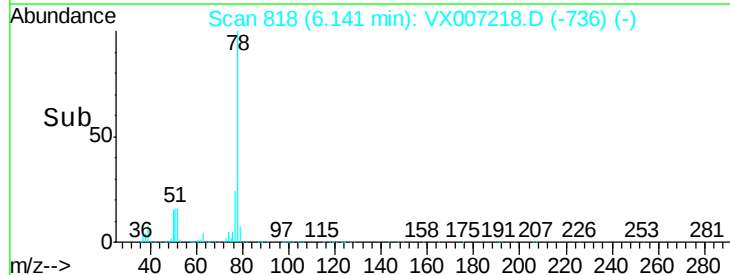
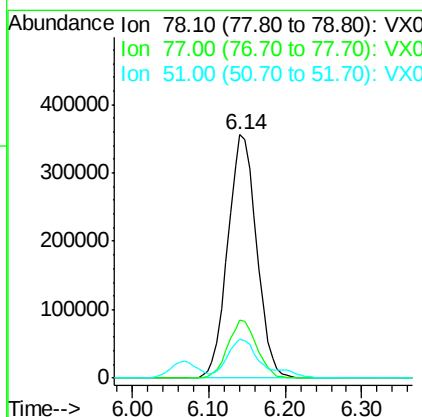
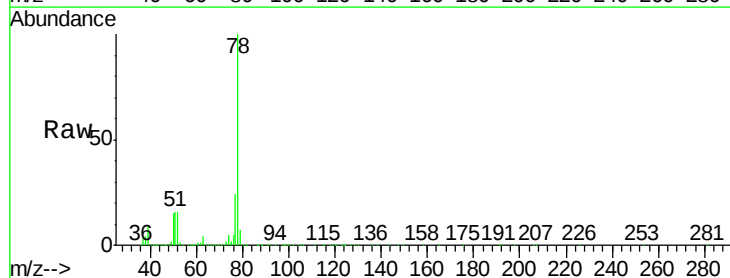
Manual Integrations
APPROVED

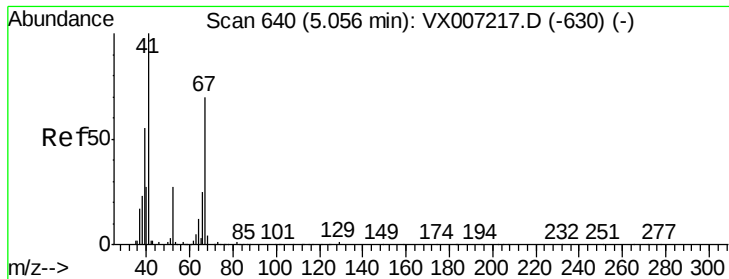
MMDadoda
1/28/2019 12:05:07 PM



#34
Benzene
Concen: 44.007 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8
51	15.7	13.8	20.6





#35

Methacrylonitrile

Concen: 35.263 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

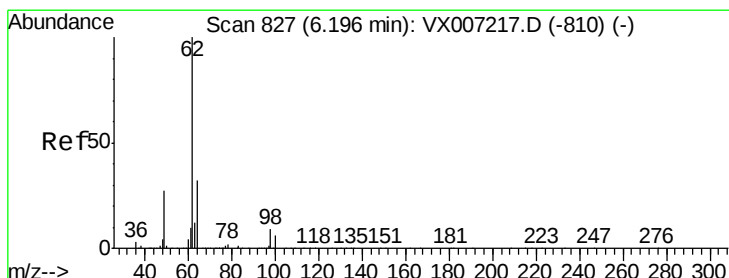
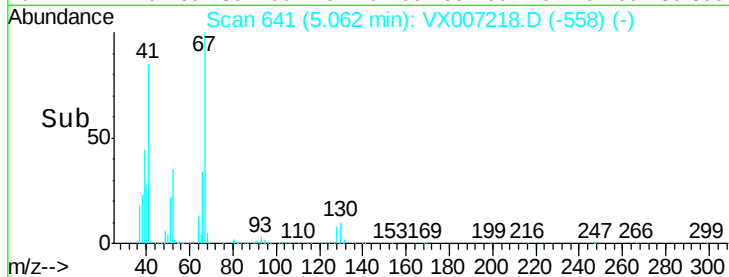
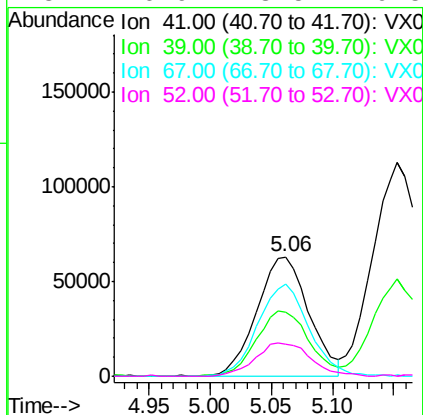
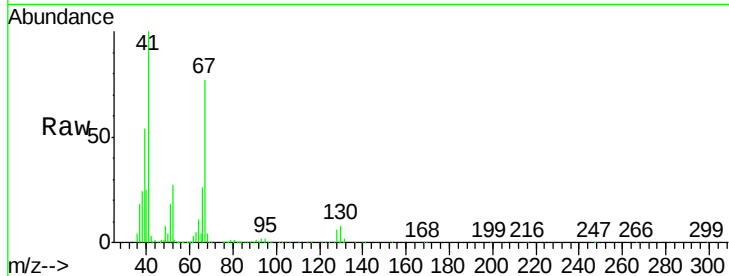
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	26.1	78.3
67	77.1	32.3	96.9
52	26.9	13.5	40.5

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#36

1,2-Dichloroethane

Concen: 41.962 ug/l

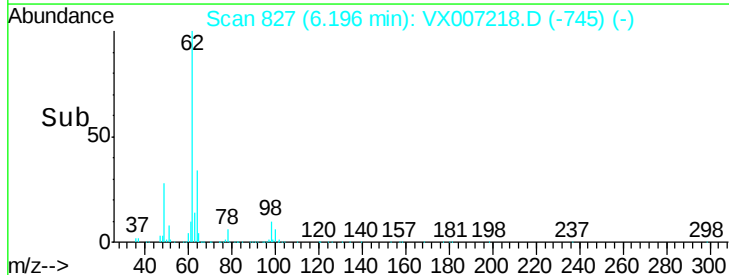
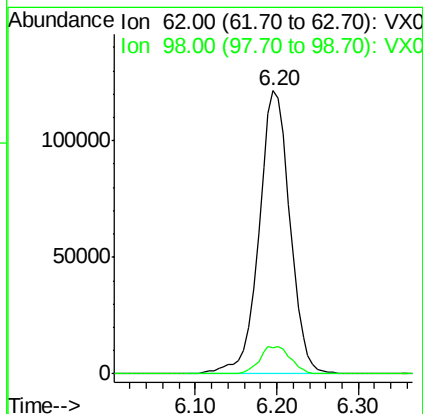
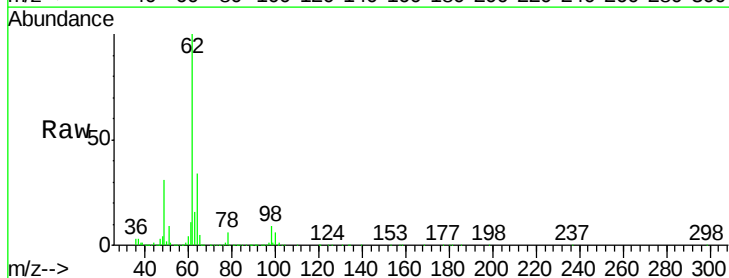
RT: 6.20 min Scan# 827

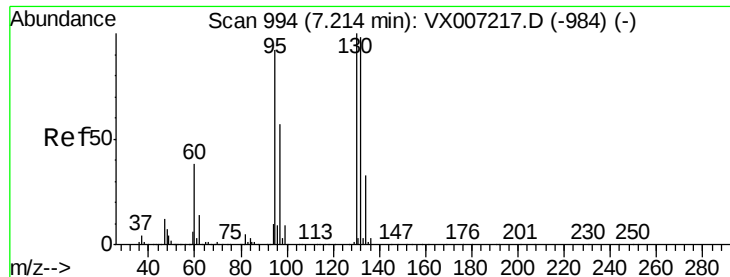
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.5	11.3





#37

Trichloroethene

Concen: 48.394 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion:130 Resp: 268878

Ion Ratio Lower Upper

130 100

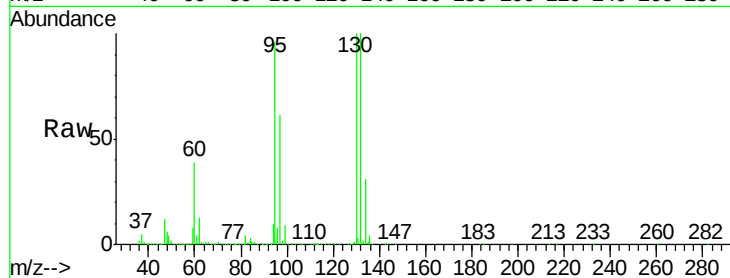
95 95.6 78.5 117.7

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

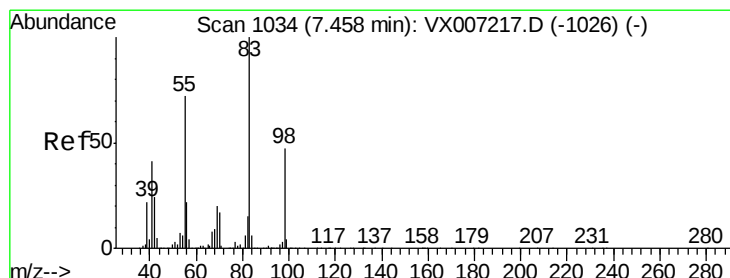
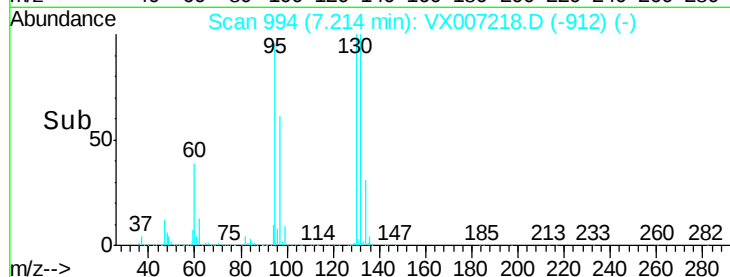
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 45.605 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

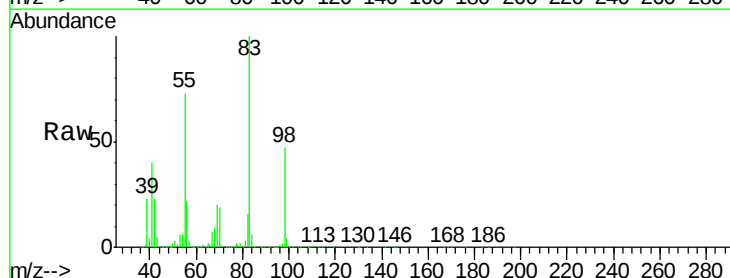
Tgt Ion: 83 Resp: 376349

Ion Ratio Lower Upper

83 100

55 71.6 41.8 125.3

98 47.4 22.4 67.3



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

7.46

200000

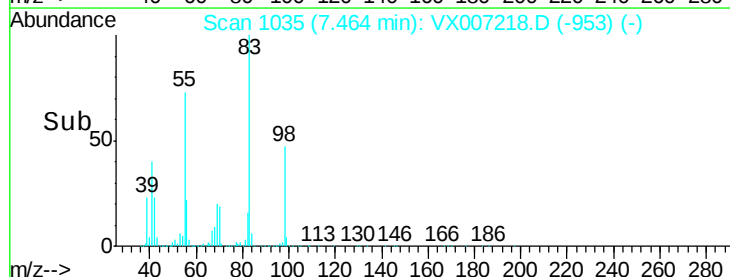
150000

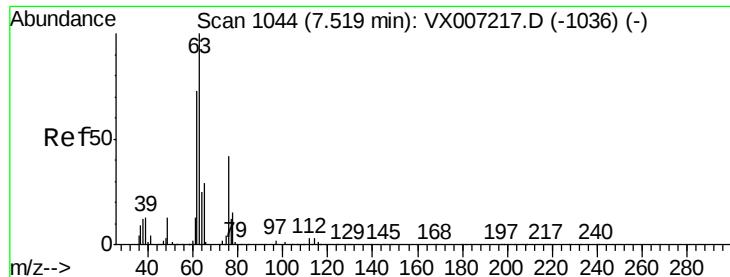
100000

50000

0

Time--> 7.40 7.50 7.60





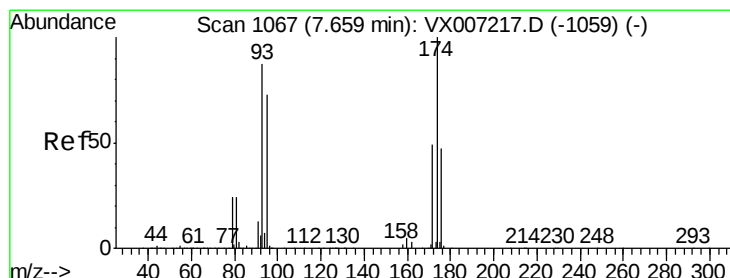
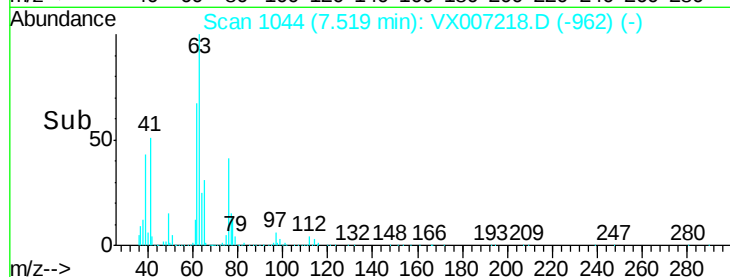
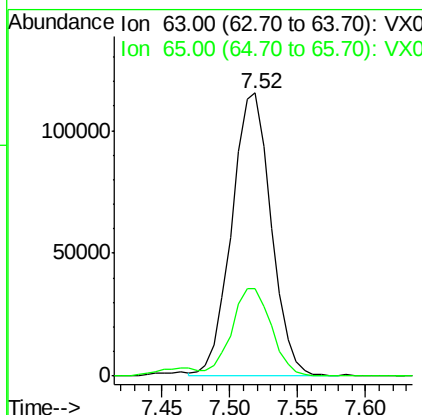
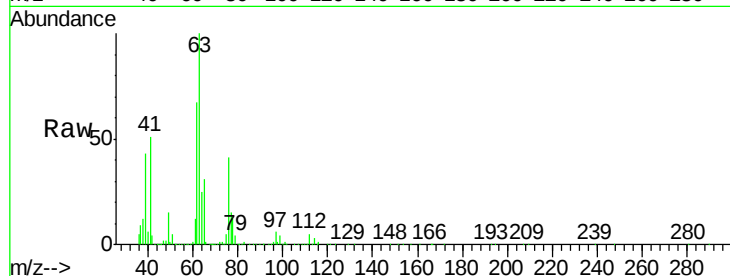
#39
 1,2-Dichloropropane
 Concen: 41.190 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.2	34.8

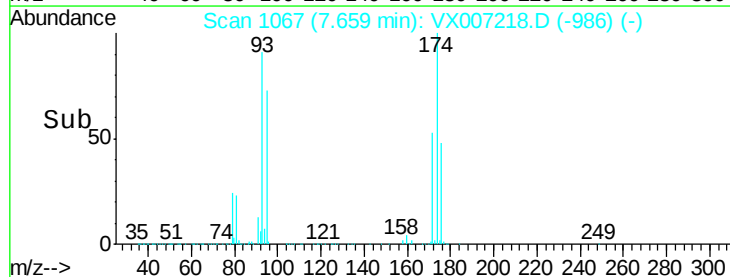
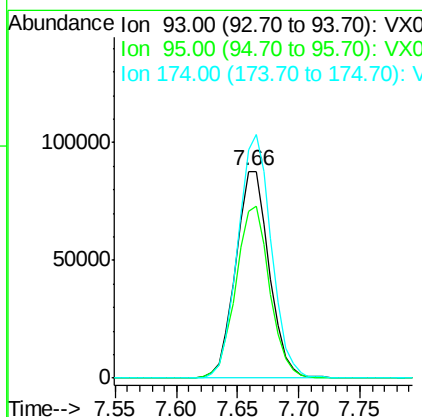
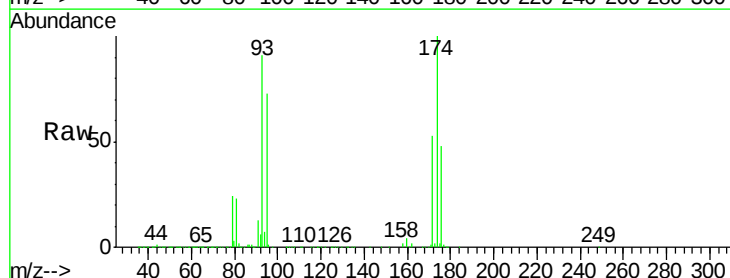
Manual Integrations
 APPROVED

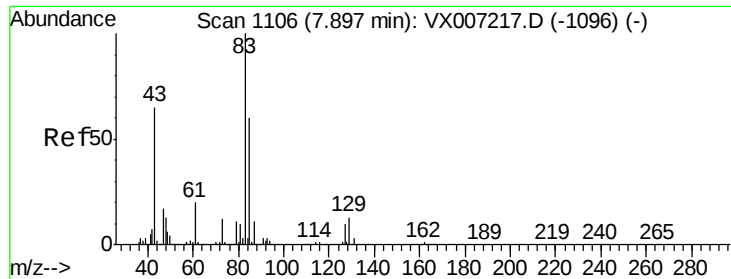
MMDadoda
 1/28/2019 12:05:07 PM



#40
 Dibromomethane
 Concen: 45.973 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	172.4
174	117.2	0.0	234.0





#41

Bromodichloromethane

Concen: 42.660 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

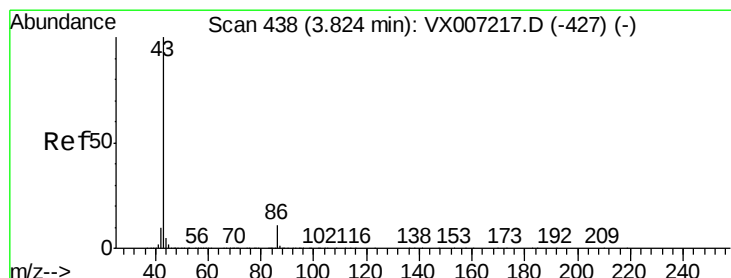
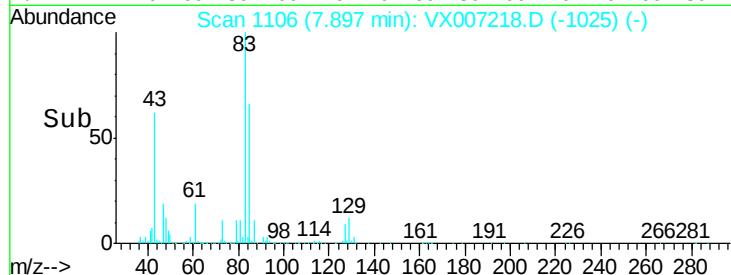
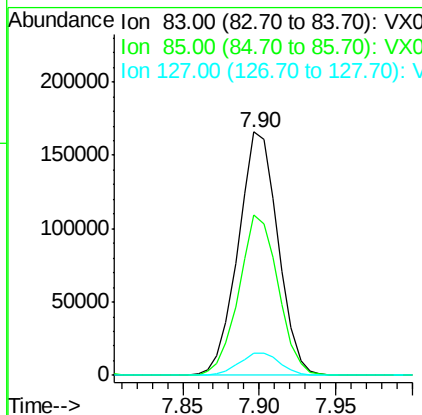
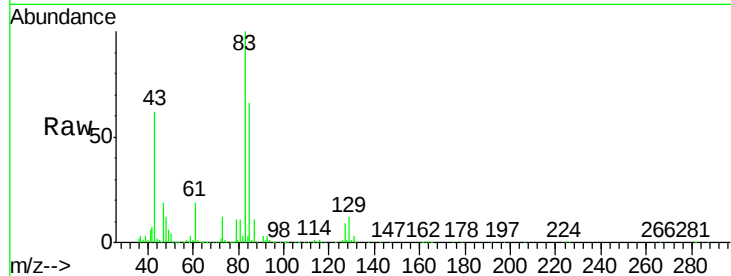
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	299570
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.4
127	8.9	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#42

Vinyl Acetate

Concen: 185.990 ug/l

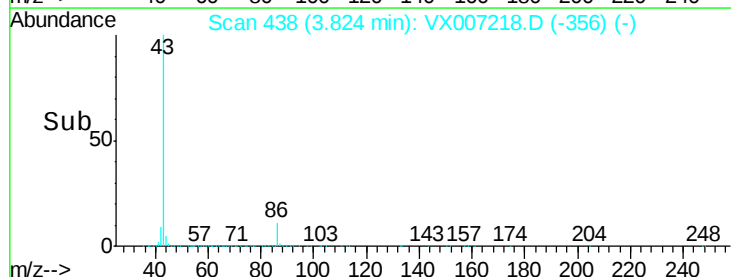
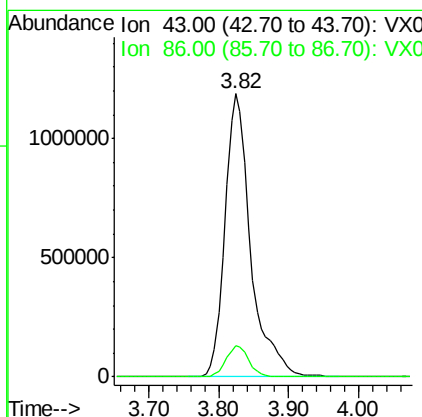
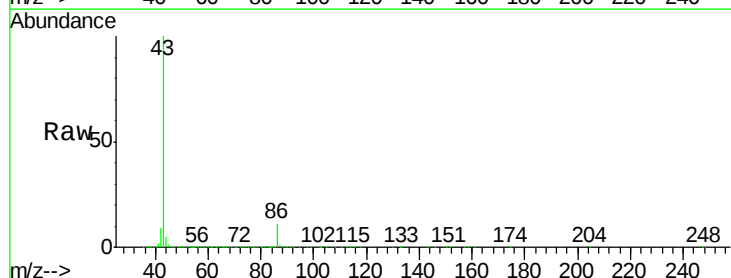
RT: 3.82 min Scan# 438

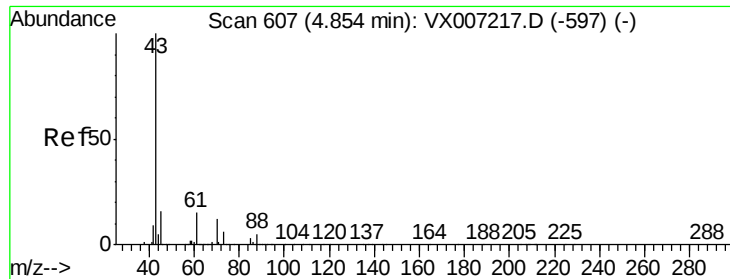
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	43	Resp:	3040877
Ion	Ratio	Lower	Upper
43	100		
86	9.8	6.6	10.0





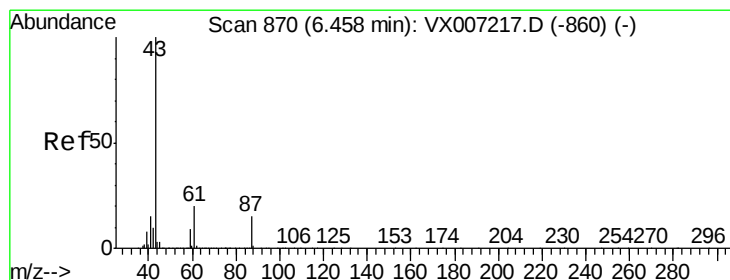
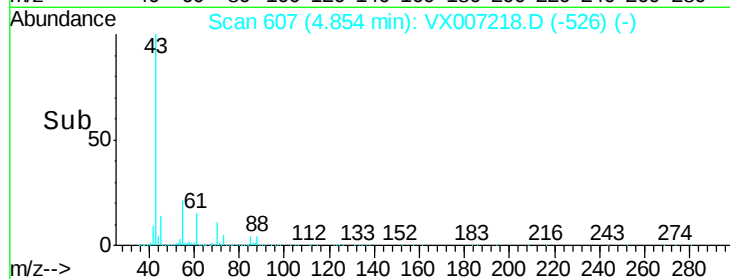
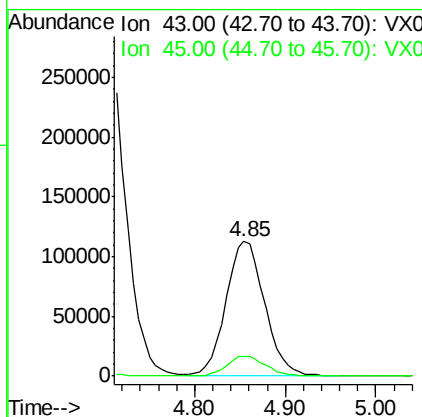
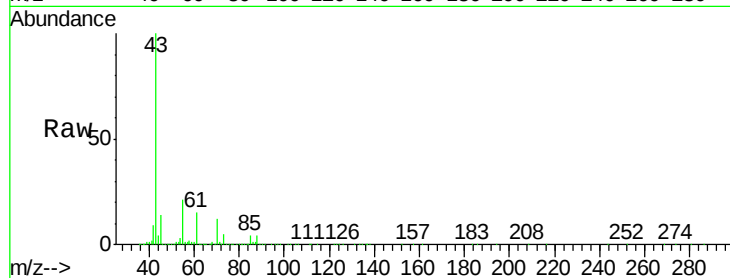
#43
Ethyl Acetate
Concen: 35.956 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC050

Tot Ion	43	45	Ratio	100	14.7	Resp	335189	Lower	Upper
43	100								
45		14.7						12.3	18.5

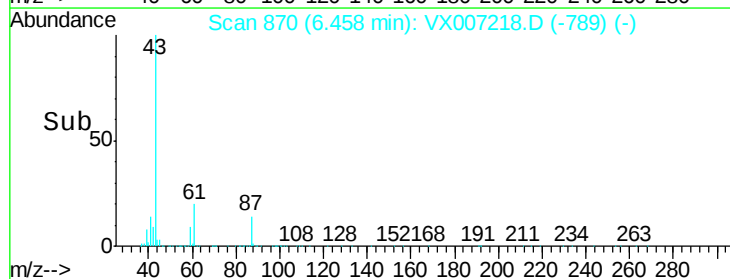
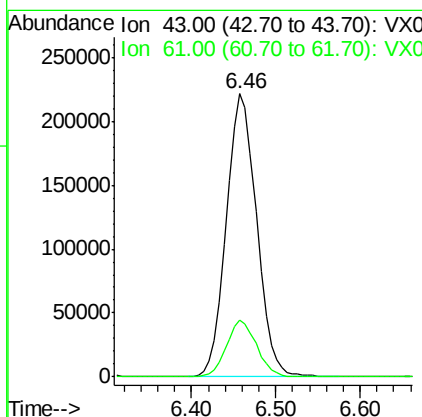
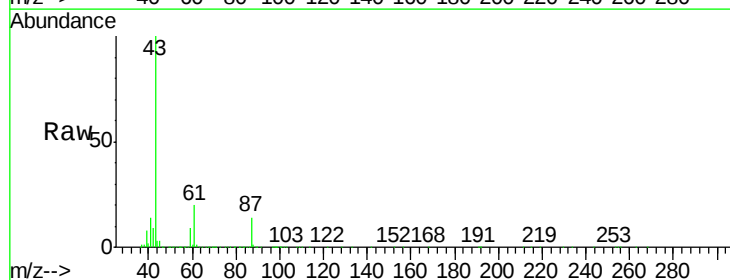
Manual Integrations
APPROVED

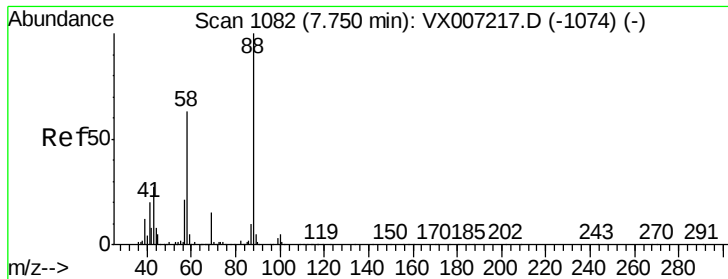
MMDadoda
1/28/2019 12:05:07 PM



#44
Isopropyl Acetate
Concen: 38.923 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	43	61	Ratio	100	19.6	Resp	541479	Lower	Upper
43	100								
61		19.6						15.7	23.5





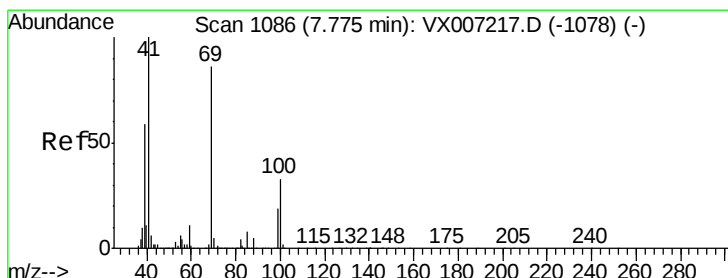
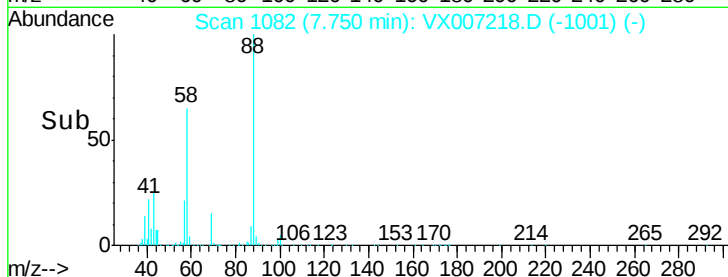
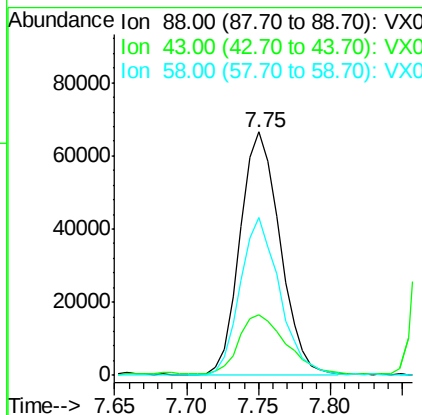
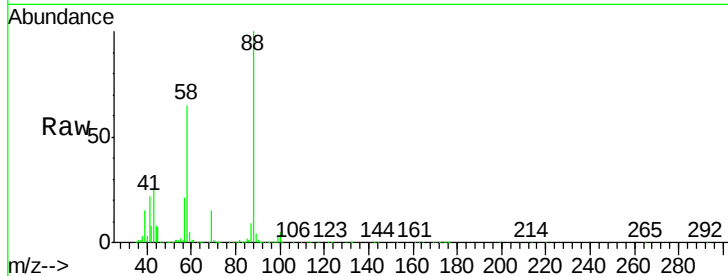
#45
1,4-Dioxane
Concen: 781.893 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	25.4	38.0
58	63.4	61.0	91.6

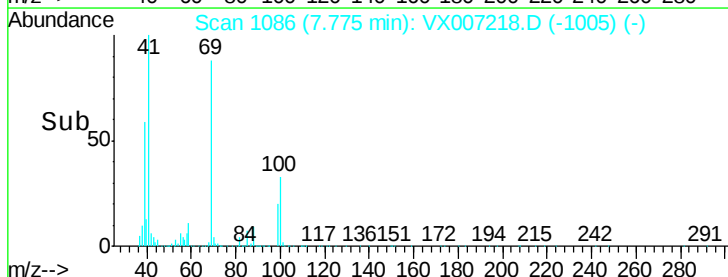
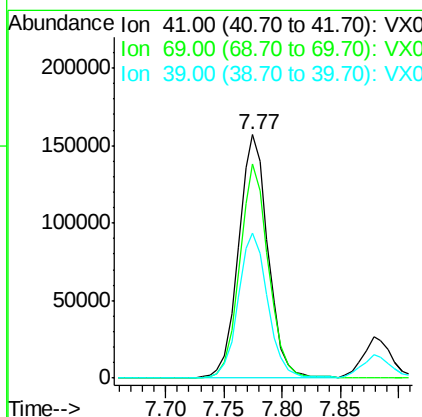
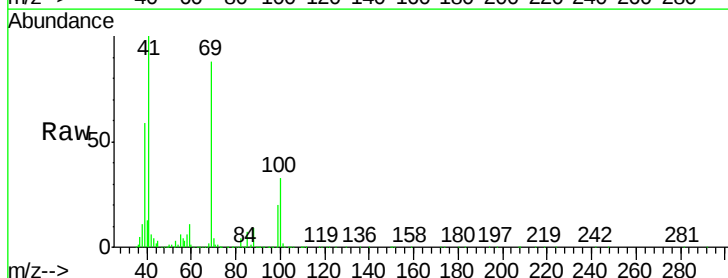
Manual Integrations
APPROVED

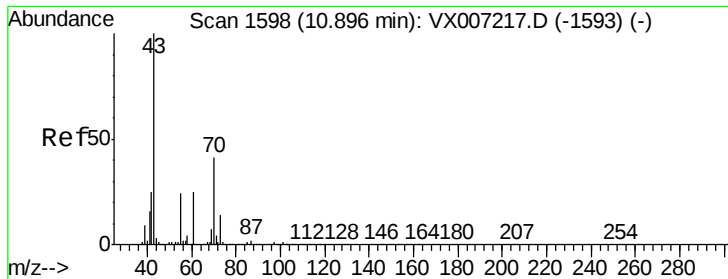
MMDadoda
1/28/2019 12:05:07 PM



#46
Methyl methacrylate
Concen: 38.135 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	41.0	123.0
39	59.3	25.9	77.7





#47

n-amvl Acetate

Concen: 37.190 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 477328

Ion Ratio Lower Upper

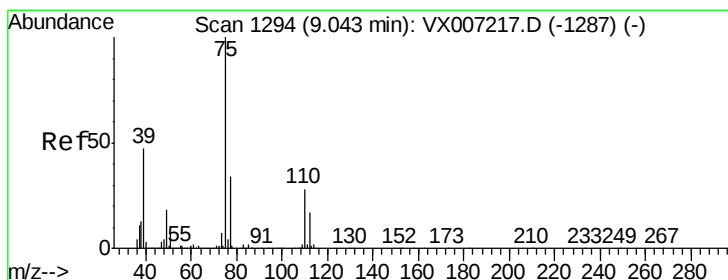
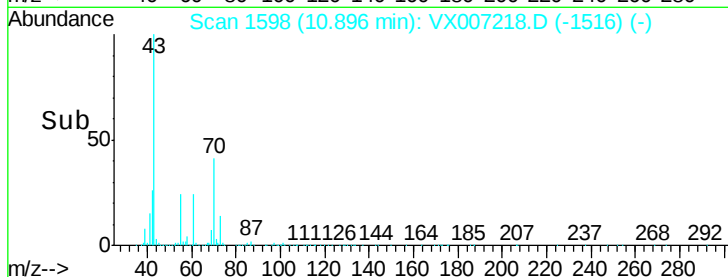
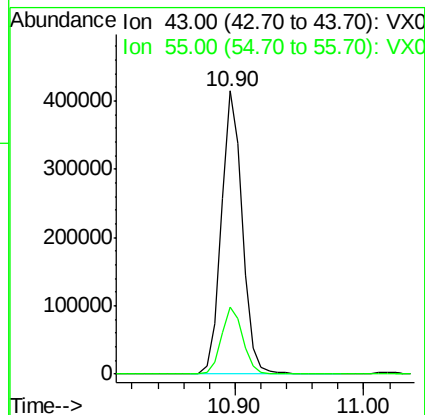
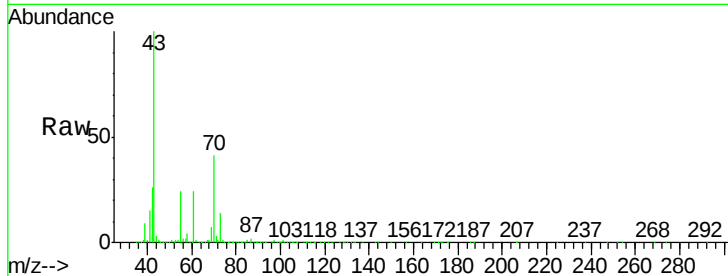
43 100

55 24.1 20.0 30.0

Manual Integrations
APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#48

t-1,3-Dichloropropene

Concen: 41.570 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007218.D

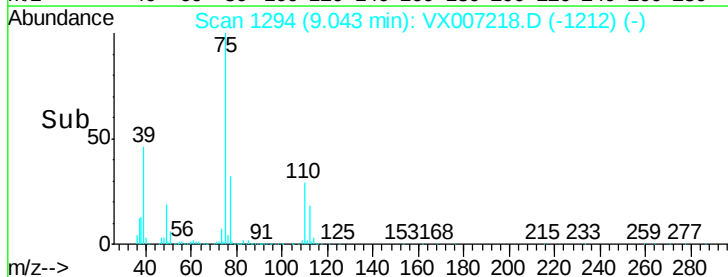
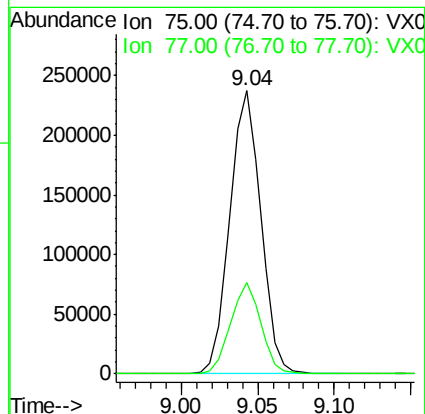
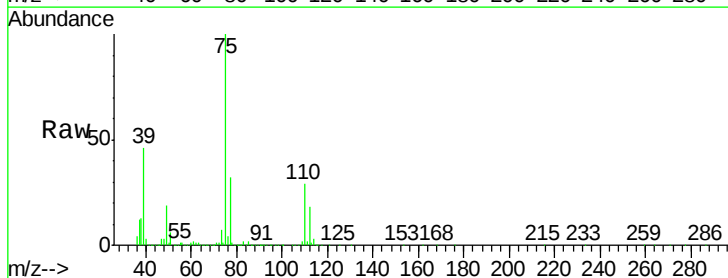
Acq: 25 Jan 2019 09:51

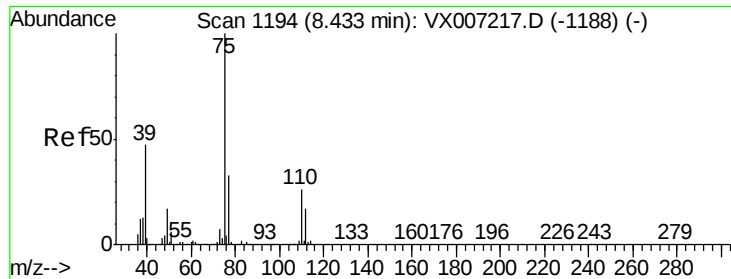
Tgt Ion: 75 Resp: 333957

Ion Ratio Lower Upper

75 100

77 32.4 24.4 36.6





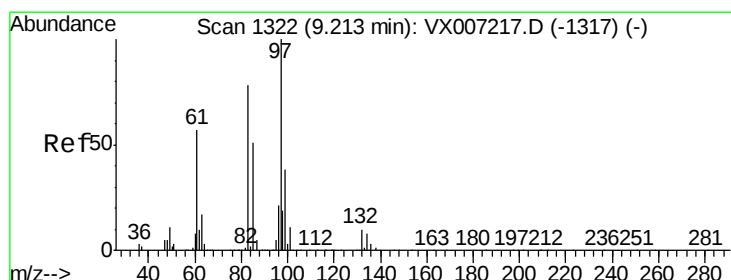
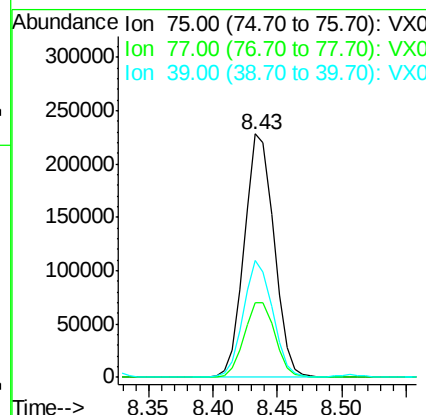
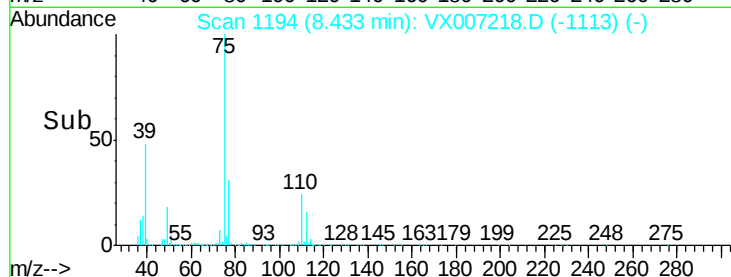
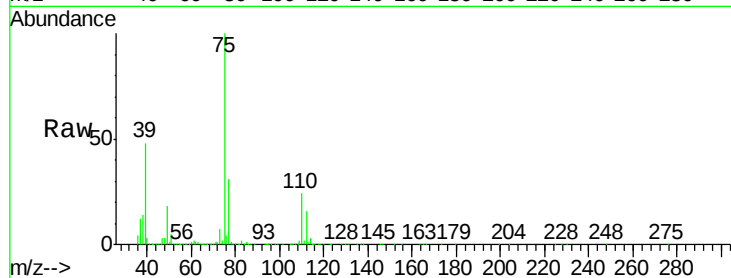
#49
 cis-1,3-Dichloropropene
 Concen: 41.921 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.9	37.3
39	48.0	38.0	57.0

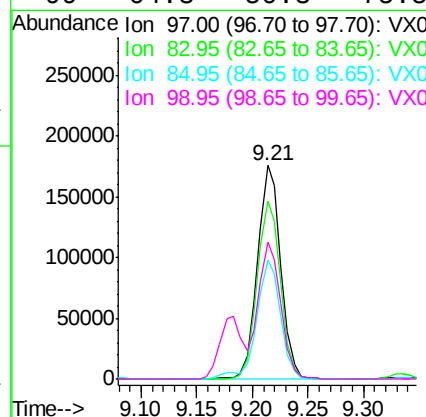
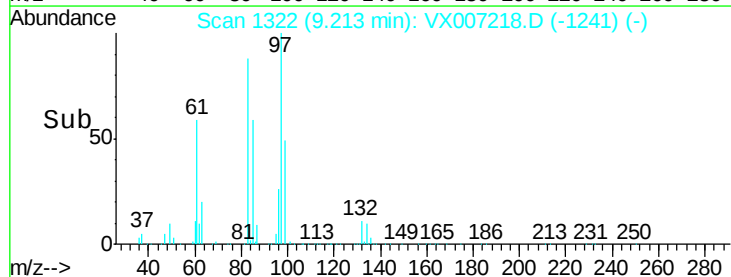
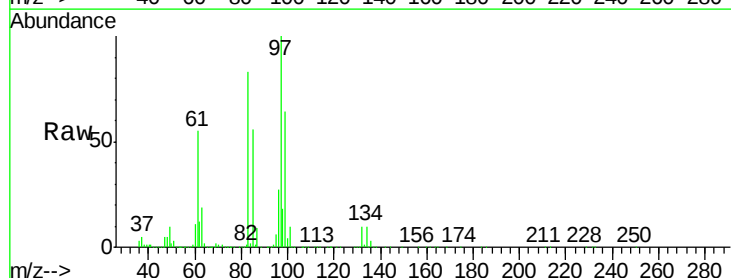
Manual Integrations
 APPROVED

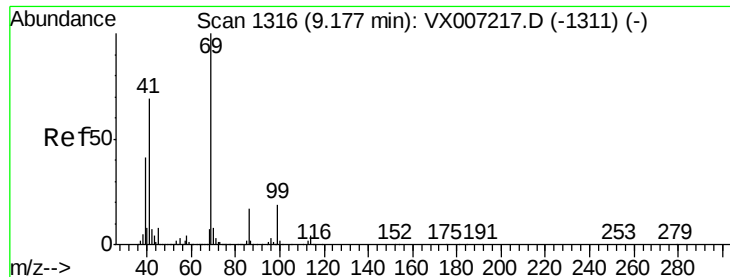
MMDadoda
 1/28/2019 12:05:07 PM



#50
 1,1,2-Trichloroethane
 Concen: 46.380 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.2	100.8
85	55.6	44.7	67.1
99	64.3	50.3	75.5





#51

Ethyl methacrylate

Concen: 42.423 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

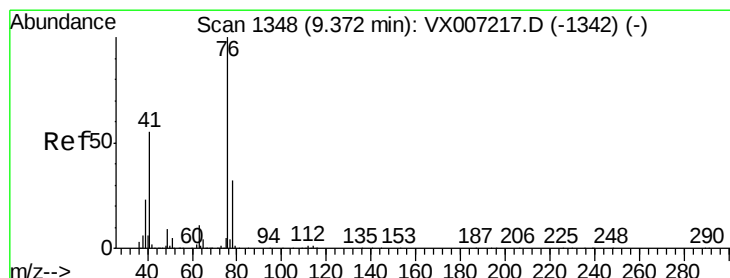
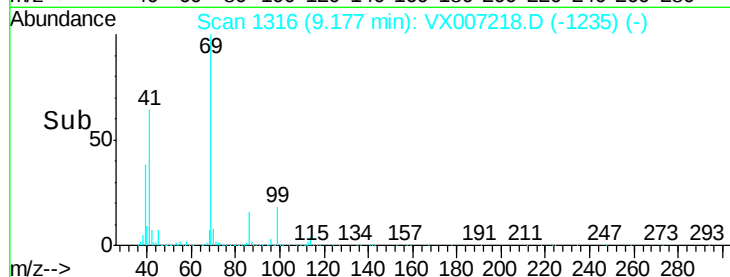
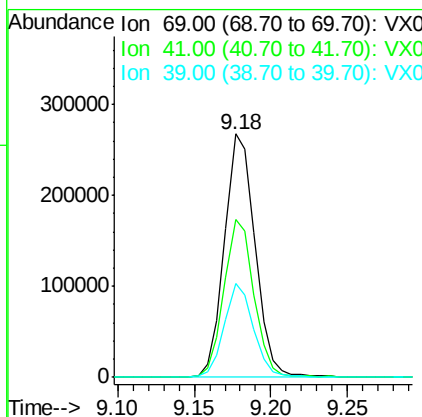
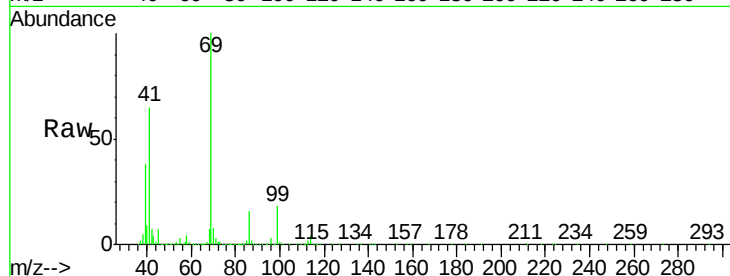
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	371299
Ion	Ratio	Lower	Upper
69	100		
41	65.0	34.6	103.9
39	38.2	17.0	51.0

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#52

1,3-Dichloropropane

Concen: 43.992 ug/l

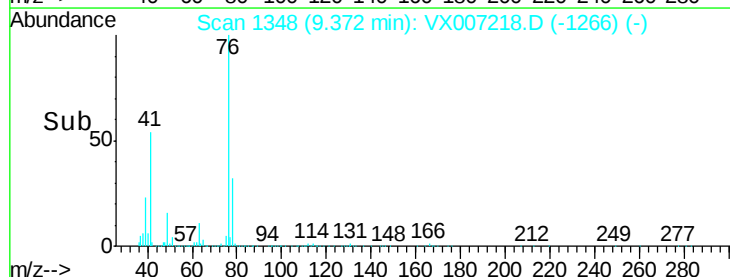
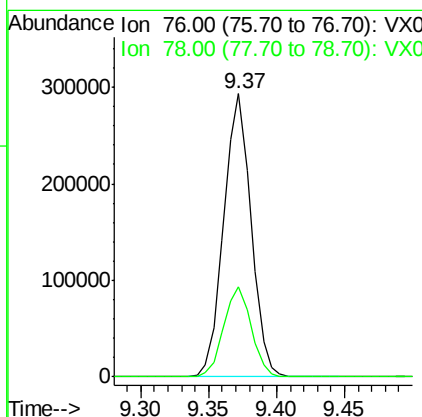
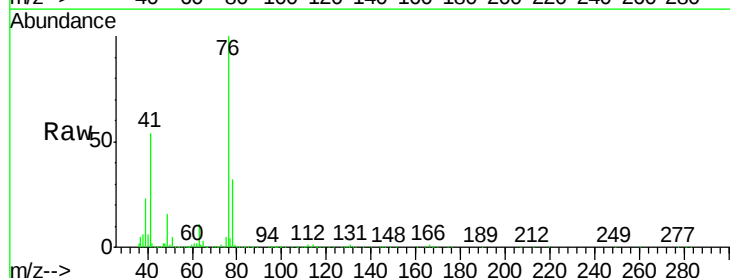
RT: 9.37 min Scan# 1348

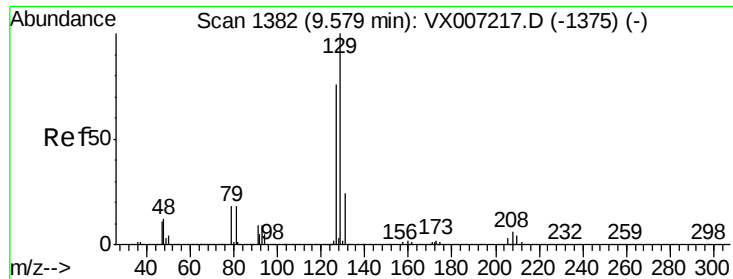
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	76	Resp:	409302
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.4





#53

Dibromochloromethane

Concen: 46.163 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 264128

Ion Ratio Lower Upper

129 100

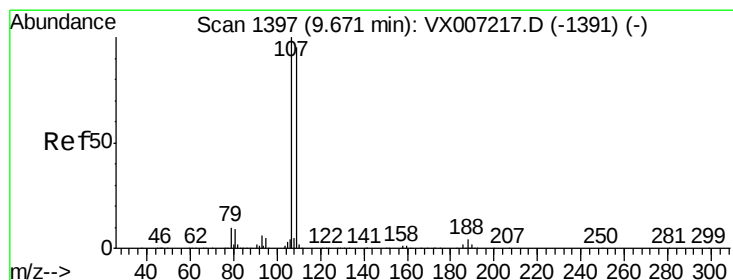
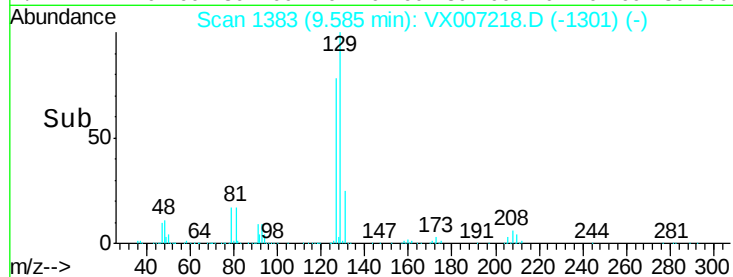
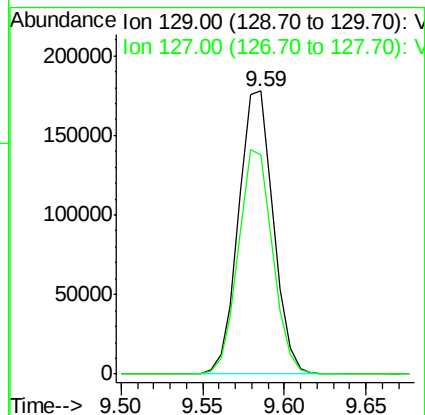
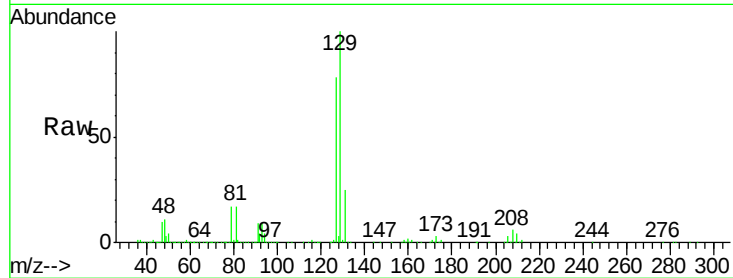
127 78.1 38.3 114.9

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#54

1,2-Dibromoethane

Concen: 48.378 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007218.D

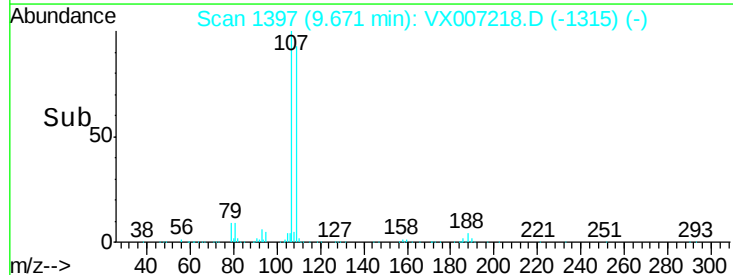
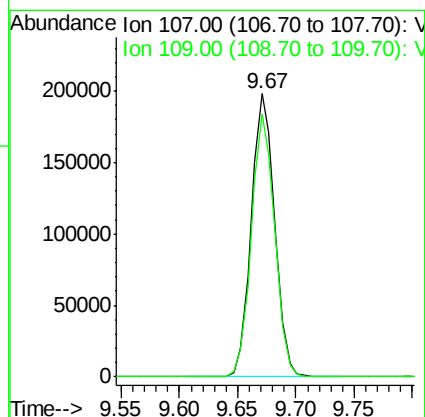
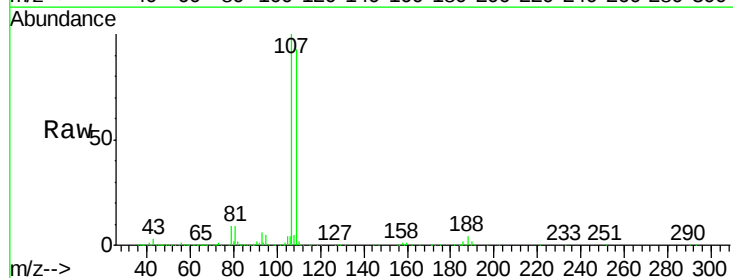
Acq: 25 Jan 2019 09:51

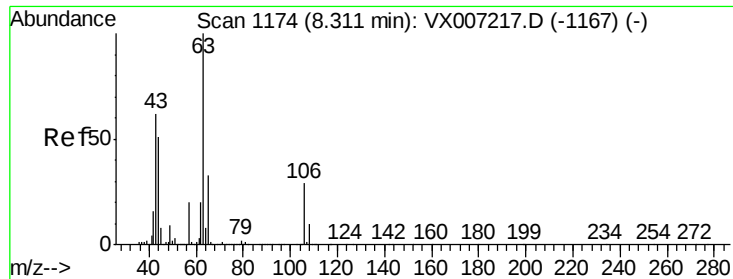
Tgt Ion:107 Resp: 278041

Ion Ratio Lower Upper

107 100

109 92.8 74.8 112.2





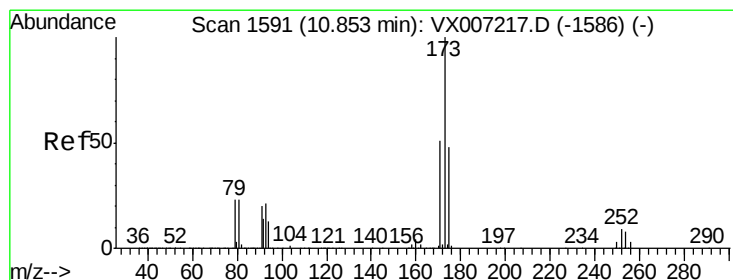
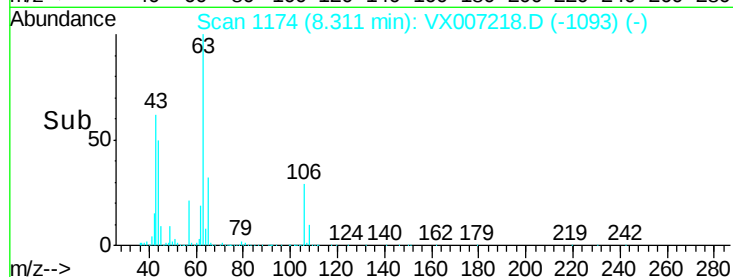
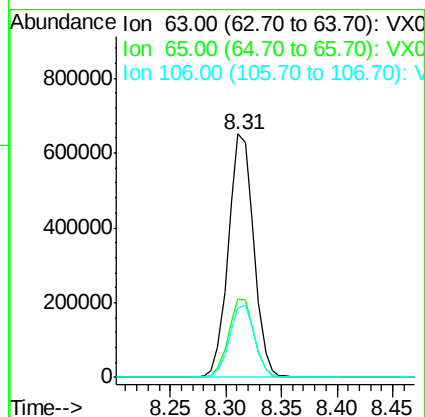
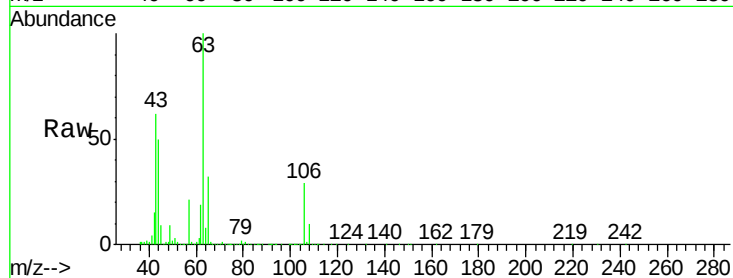
#55
2-Chloroethyl vinyl ether
Concen: 221.978 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 63 Resp: 1025155
Ion Ratio Lower Upper
63 100
65 32.2 25.9 38.9
106 29.7 21.8 32.6

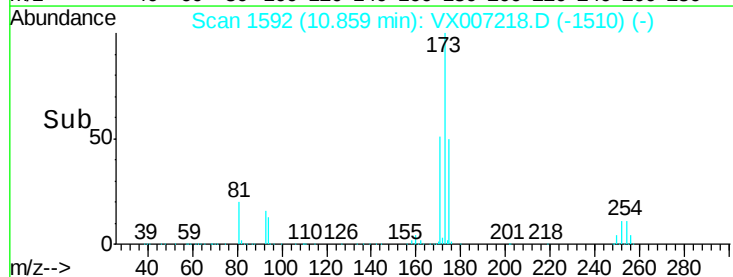
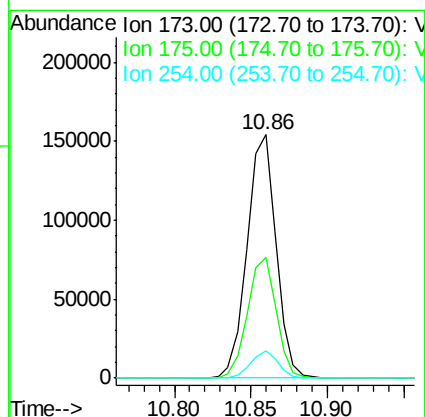
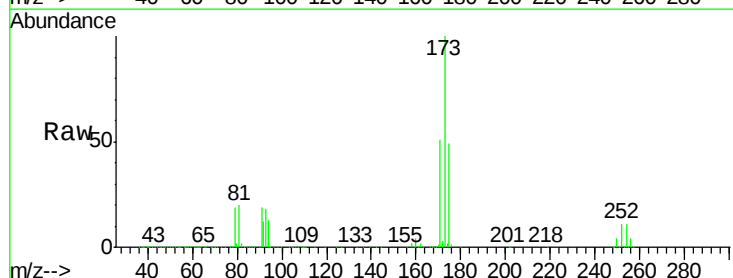
Manual Integrations
APPROVED

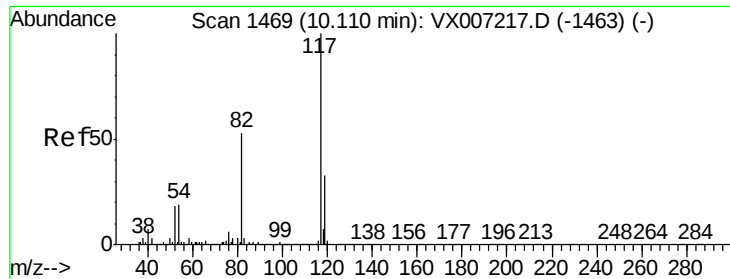
MMDadoda
1/28/2019 12:05:07 PM



#56
Bromoform
Concen: 42.462 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion:173 Resp: 202895
Ion Ratio Lower Upper
173 100
175 48.9 39.7 59.5
254 10.6 9.6 14.4





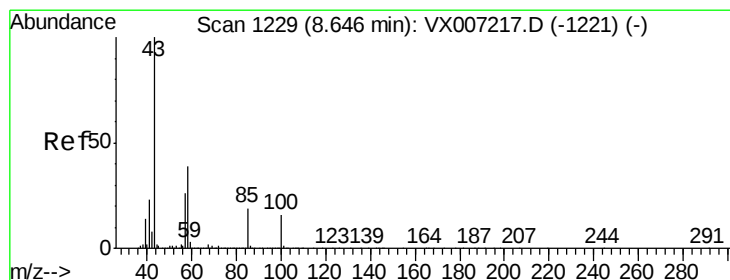
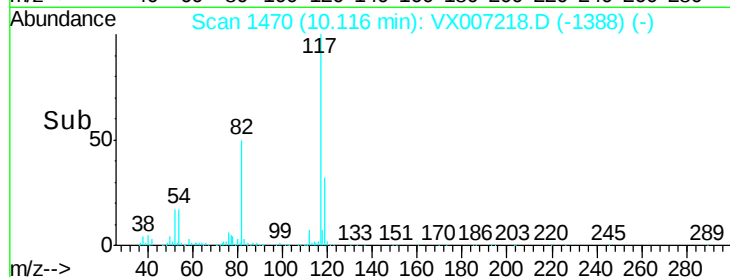
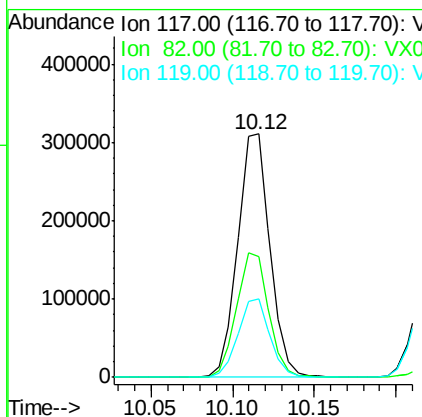
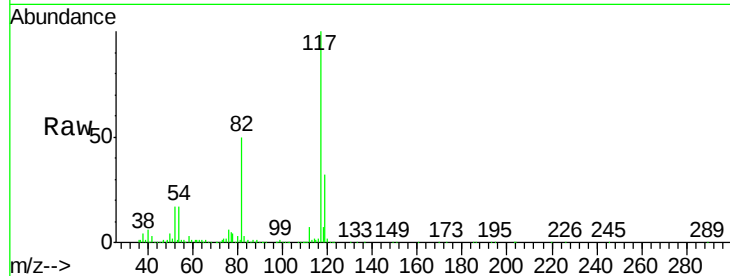
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	44.2	66.4
119	32.2	25.8	38.6

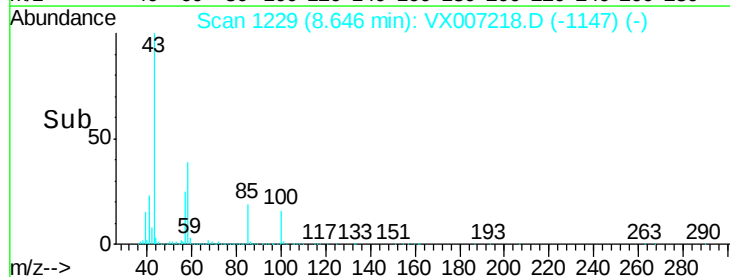
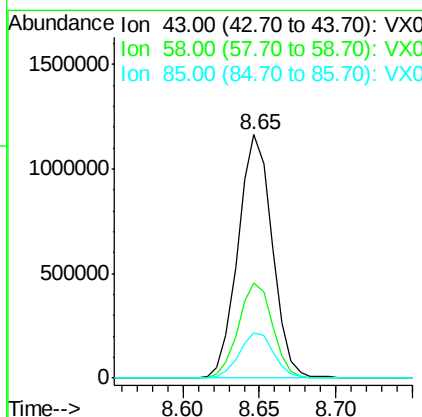
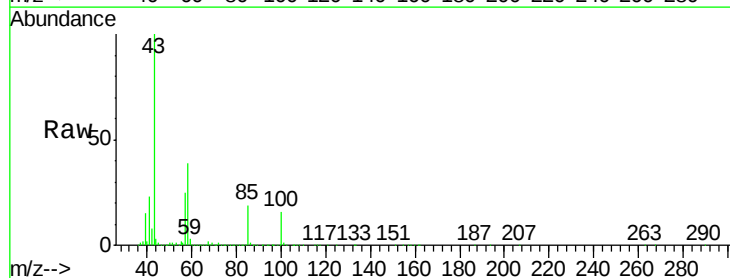
Manual Integrations
APPROVED

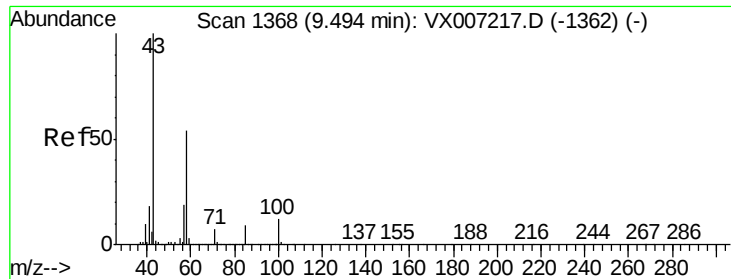
MMDadoda
1/28/2019 12:05:07 PM



#58
4-Methyl-2-Pentanone
Concen: 187.026 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.8	46.2
85	18.9	13.1	19.7





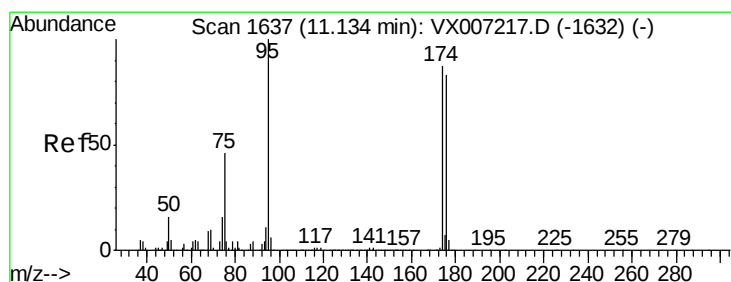
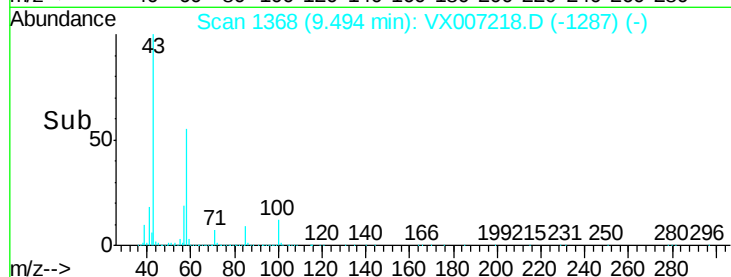
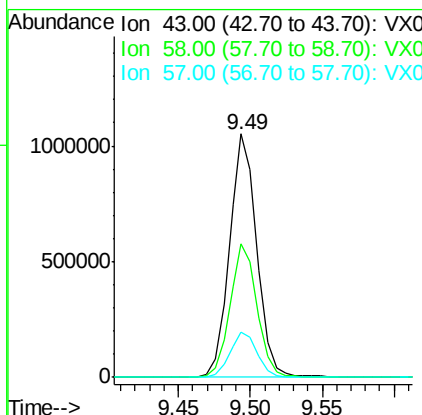
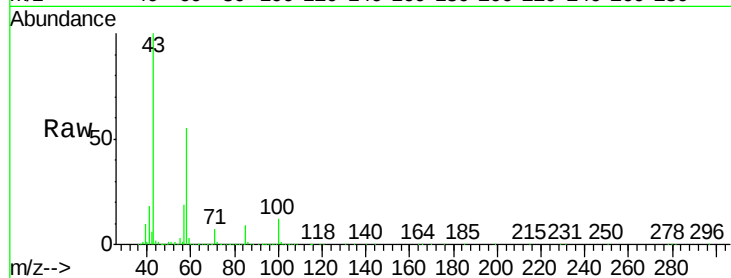
#59
2-Hexanone
Concen: 174.871 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 1391948
Ion Ratio Lower Upper
43 100
58 54.5 42.7 64.1
57 18.7 14.6 22.0

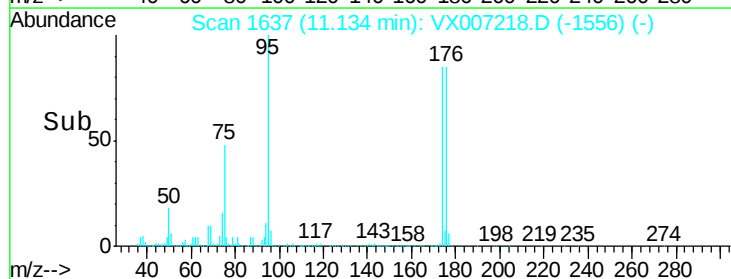
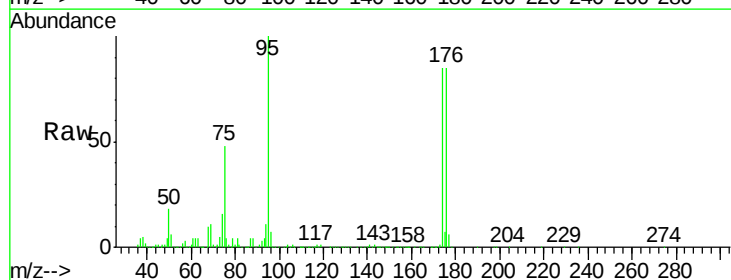
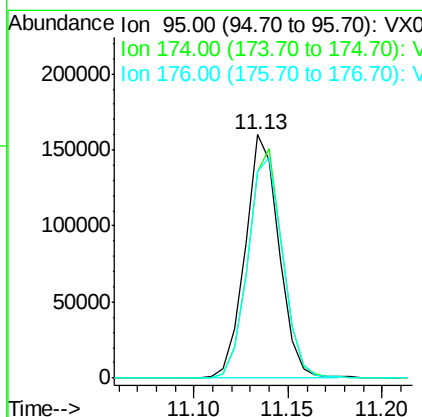
Manual Integrations
APPROVED

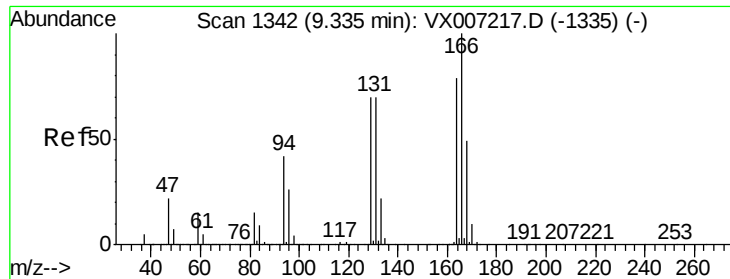
MMDadoda
1/28/2019 12:05:07 PM



#60
4-Bromofluorobenzene
Concen: 27.762 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion: 95 Resp: 198564
Ion Ratio Lower Upper
95 100
174 95.5 73.1 109.7
176 93.4 71.0 106.6





#61

Tetrachloroethene

Concen: 55.787 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

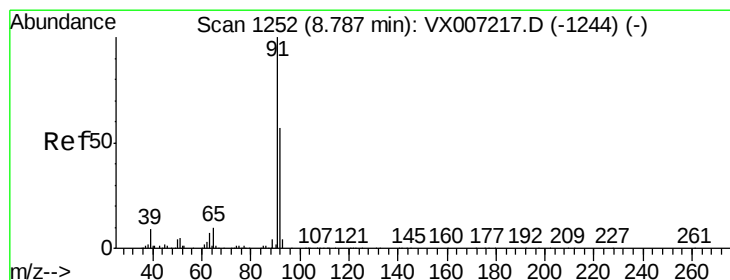
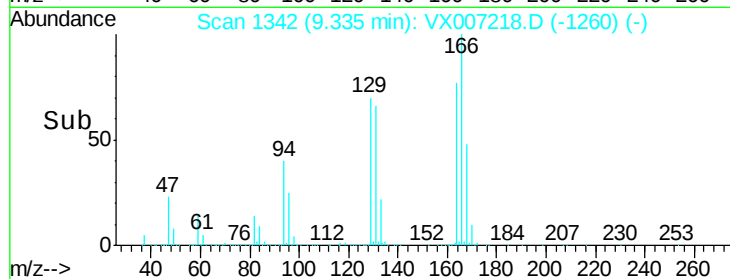
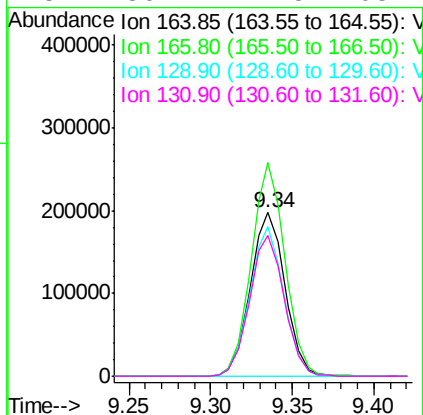
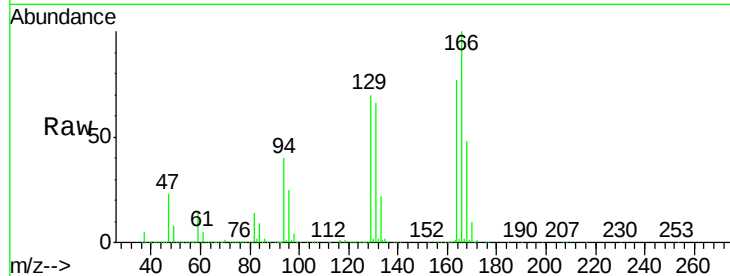
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	292130
Ion Ratio	Lower	Upper	
164	100		
166	130.4	104.0	156.0
129	91.4	75.1	112.7
131	86.4	72.5	108.7

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#62

Toluene

Concen: 46.467 ug/l

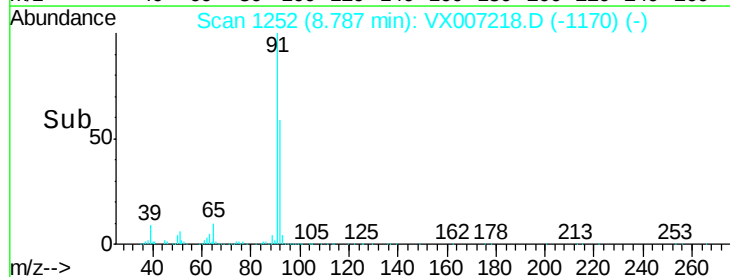
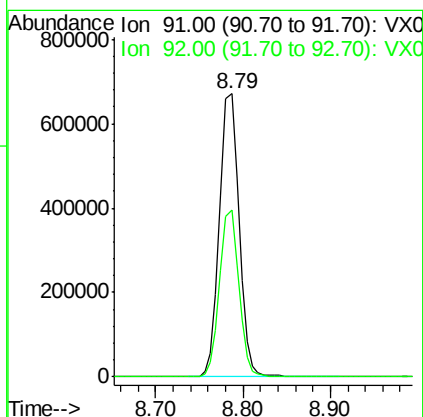
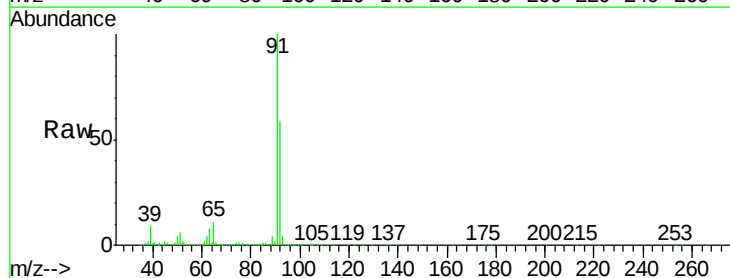
RT: 8.79 min Scan# 1252

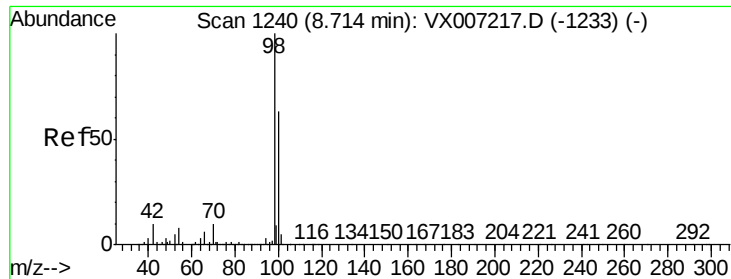
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	91	Resp:	1050794
Ion Ratio	Lower	Upper	
91	100		
92	58.0	46.2	69.4





#63

Toluene-d8

Concen: 29.920 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 574676

Ion Ratio Lower Upper

98 100

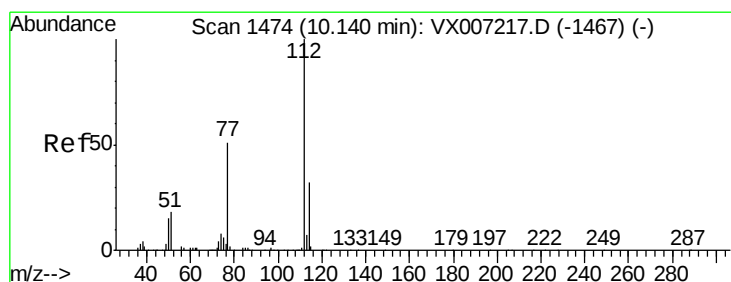
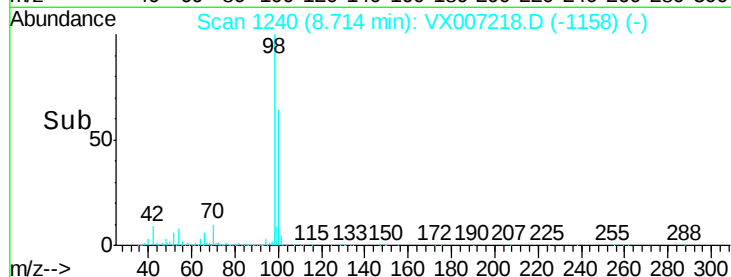
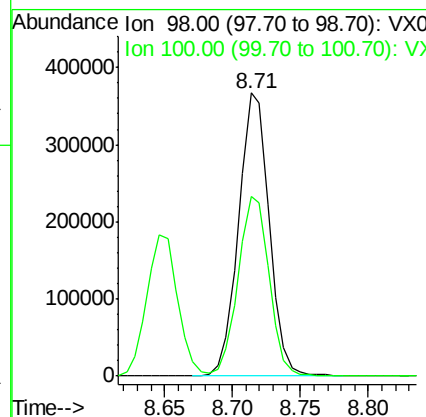
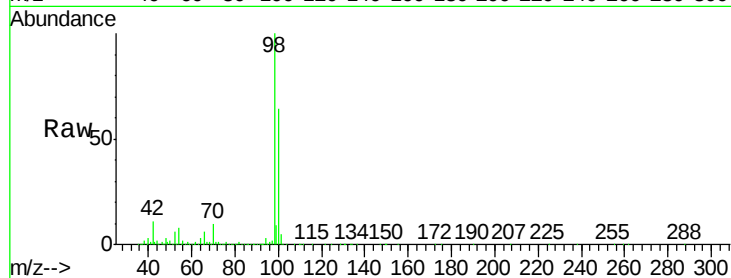
100 63.6 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#64

Chlorobenzene

Concen: 47.787 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007218.D

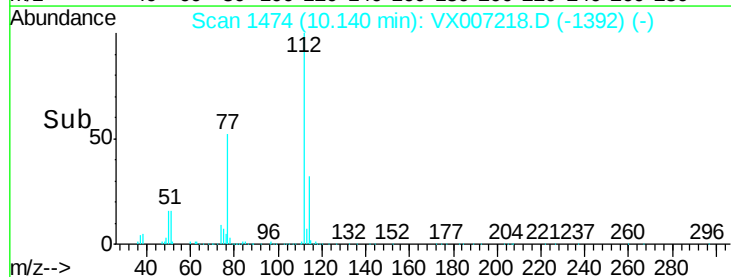
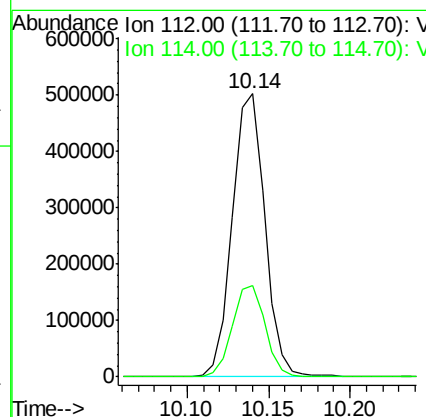
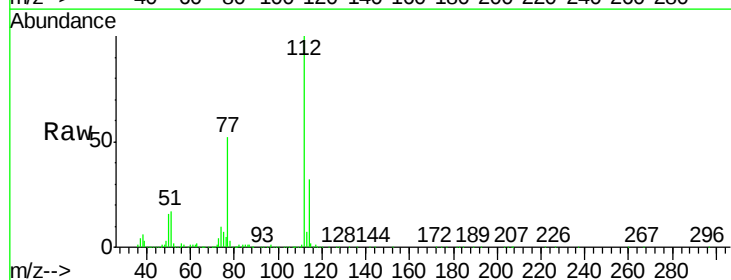
Acq: 25 Jan 2019 09:51

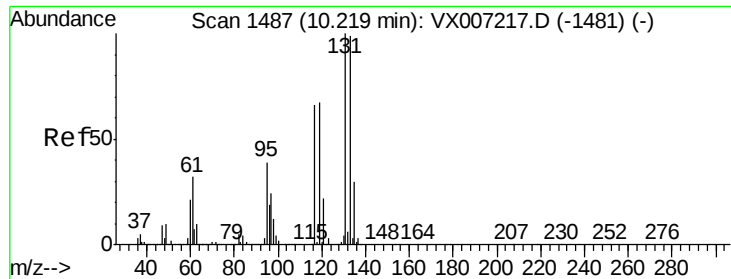
Tgt Ion: 112 Resp: 697887

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 47.936 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

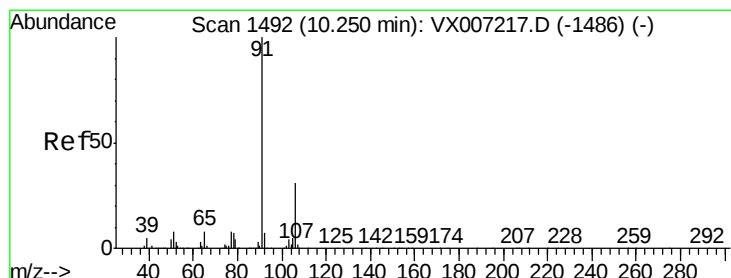
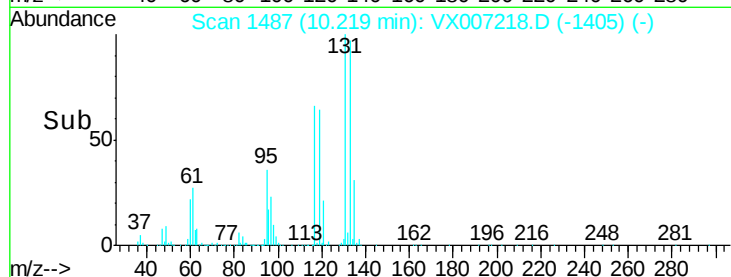
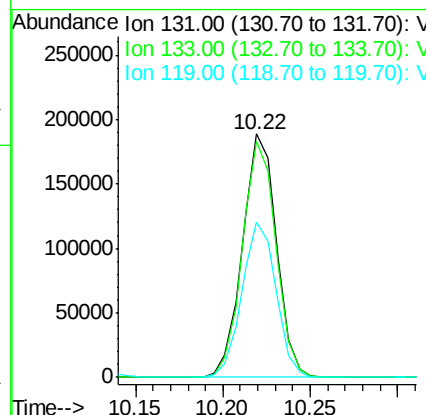
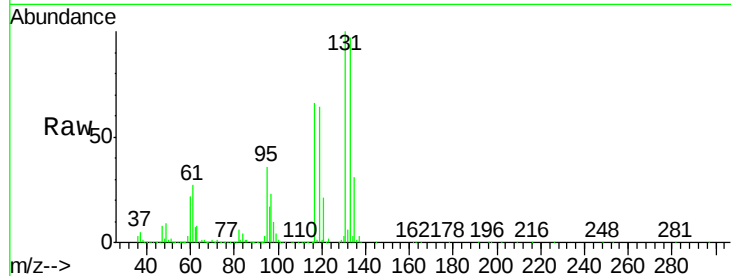
ClientSampled :

VSTDIC050

Tot Ion:	131	Resp:	254484
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	190.4
119	64.0	0.0	129.0

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#66

Ethyl Benzene

Concen: 46.643 ug/l

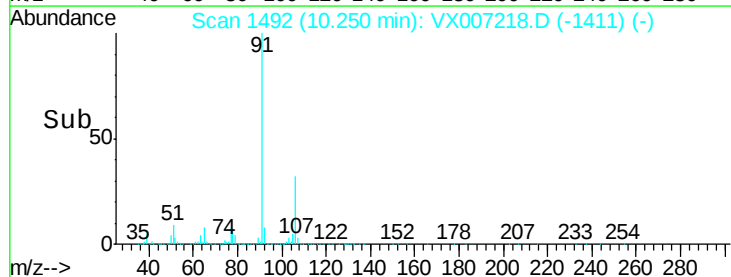
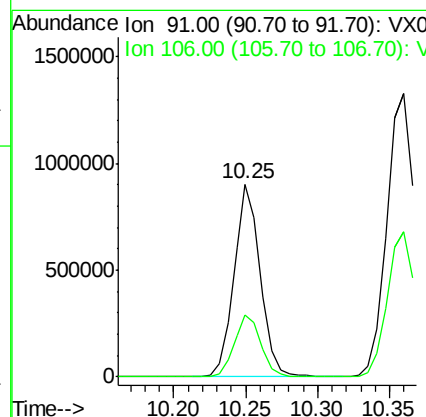
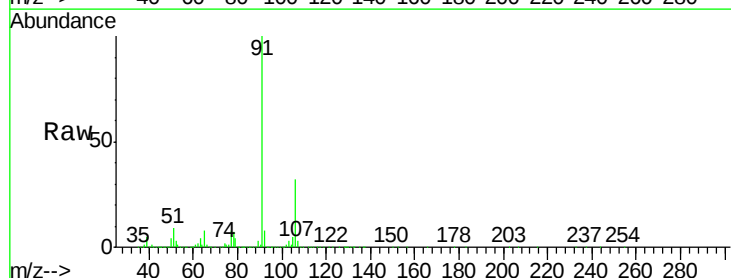
RT: 10.25 min Scan# 1492

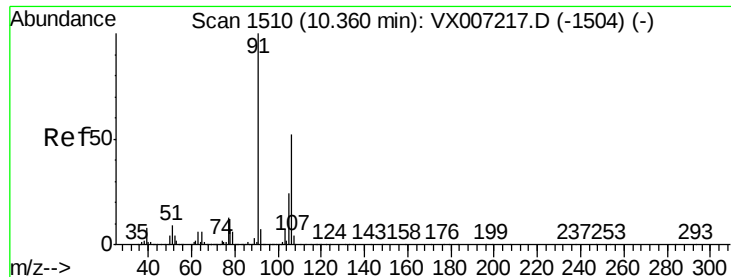
Delta R.T. -0.01 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	91	Resp:	1151512
Ion Ratio	Lower	Upper	
91	100		
106	32.3	24.5	36.7





#67

m/p-Xvlenes

Concen: 94.920 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 912437

Ion Ratio Lower Upper

106 100

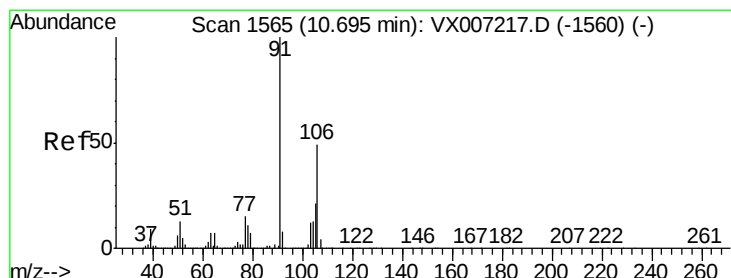
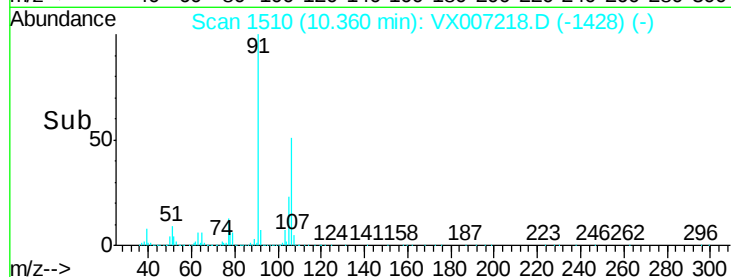
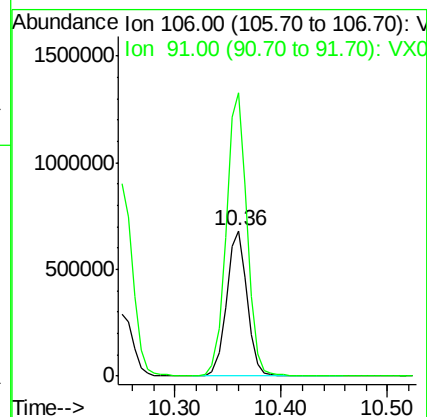
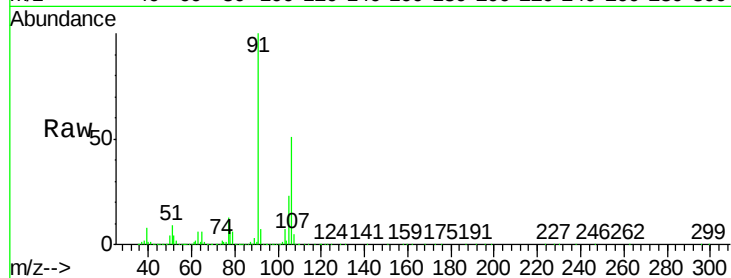
91 196.7 165.5 248.3

Manual Integrations

APPROVED

MMDadoda

1/28/2019 12:05:07 PM



#68

o-Xylene

Concen: 48.377 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX007218.D

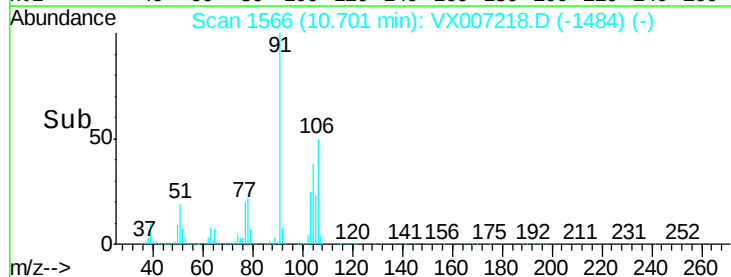
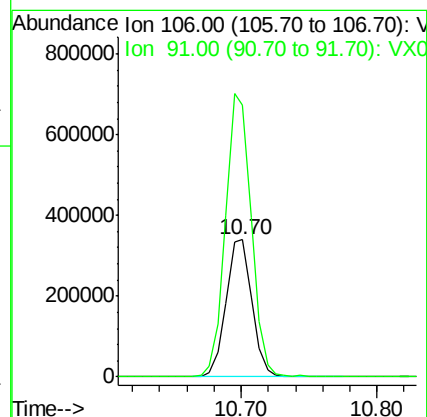
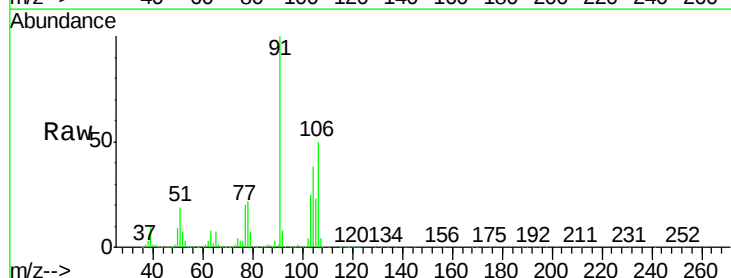
Acq: 25 Jan 2019 09:51

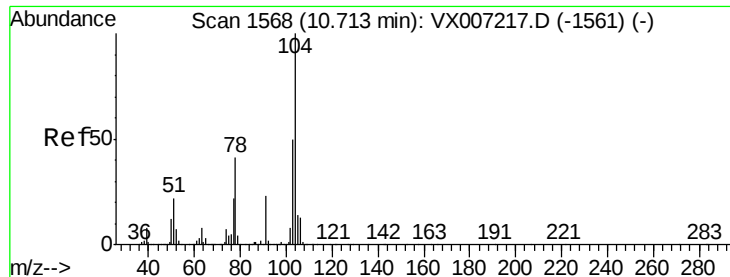
Tgt Ion:106 Resp: 448264

Ion Ratio Lower Upper

106 100

91 206.1 109.1 327.2





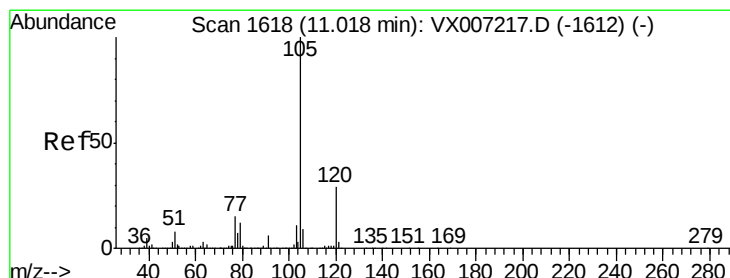
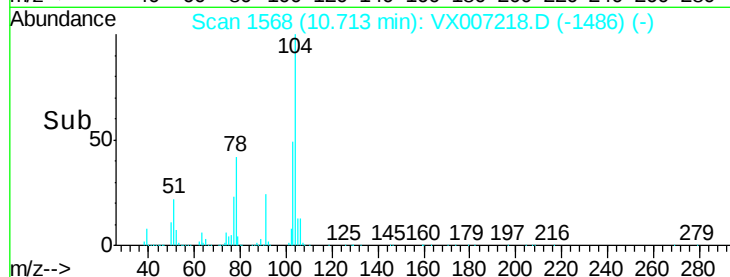
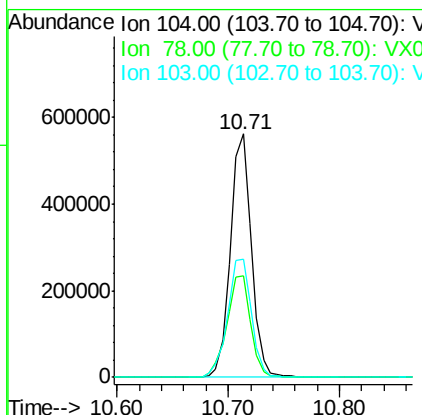
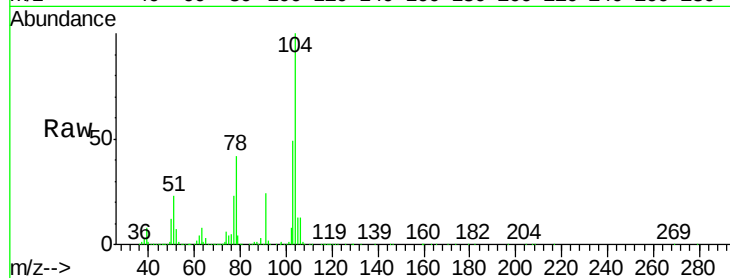
#69
Stvrene
Concen: 47.140 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	40.3	60.5
103	55.3	44.6	66.8

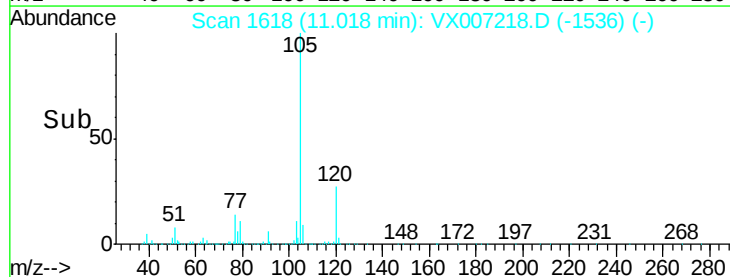
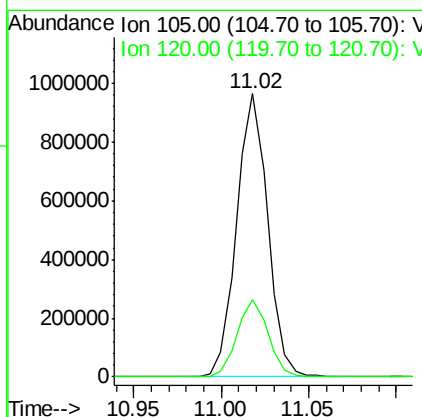
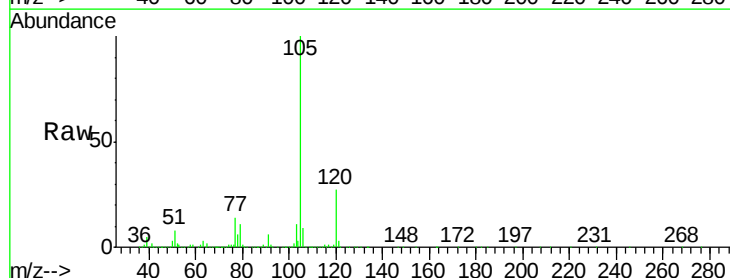
Manual Integrations
APPROVED

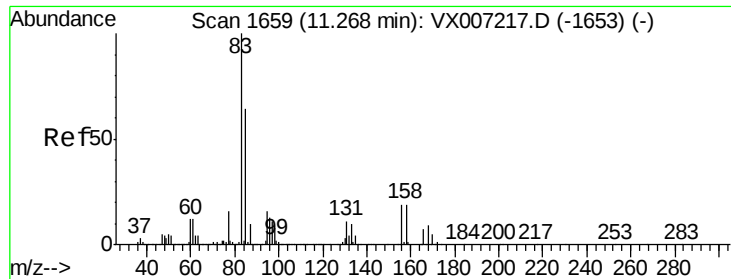
MMDadoda
1/28/2019 12:05:07 PM



#70
Isopropylbenzene
Concen: 47.974 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.3	34.1





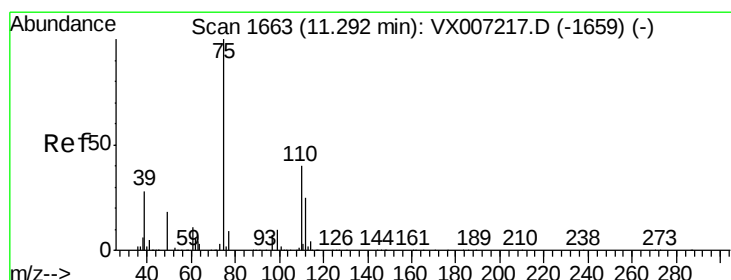
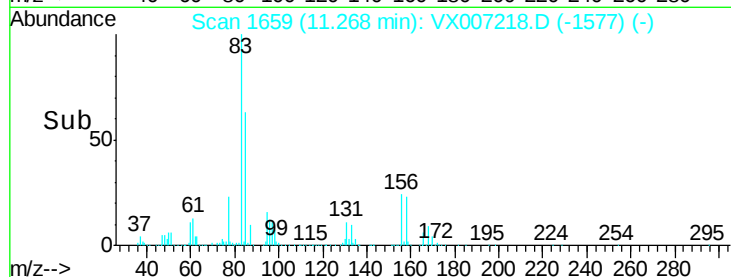
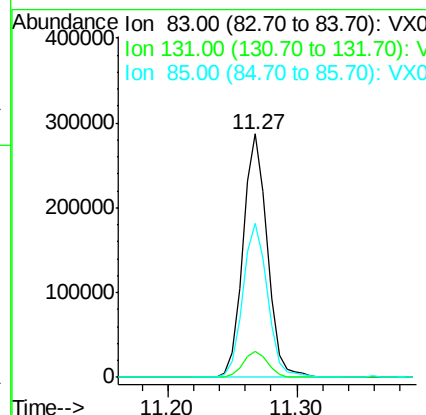
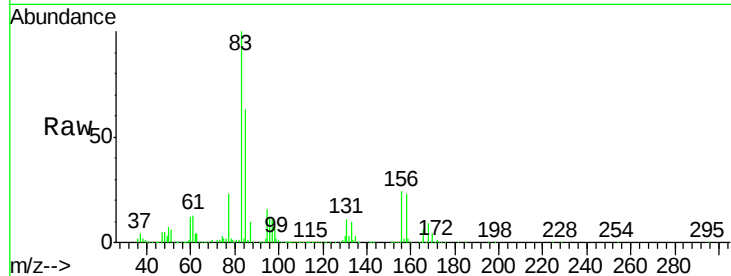
#71
 1,1,2,2-Tetrachloroethane
 Concen: 40.498 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.2
85	64.7	32.2	96.6

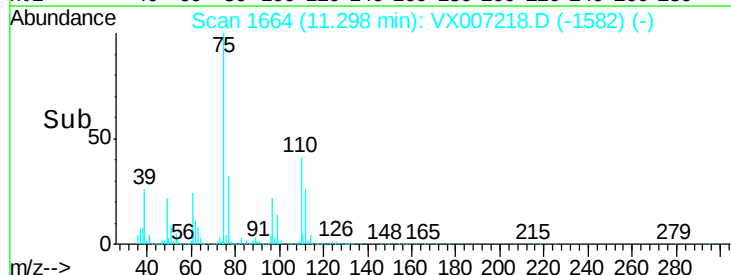
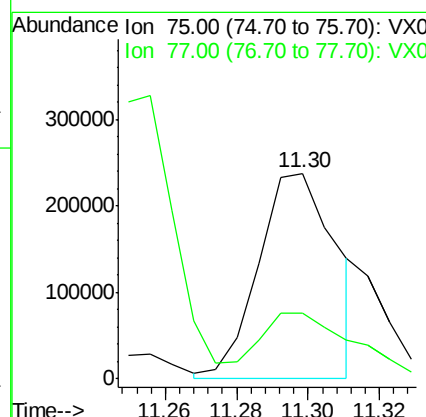
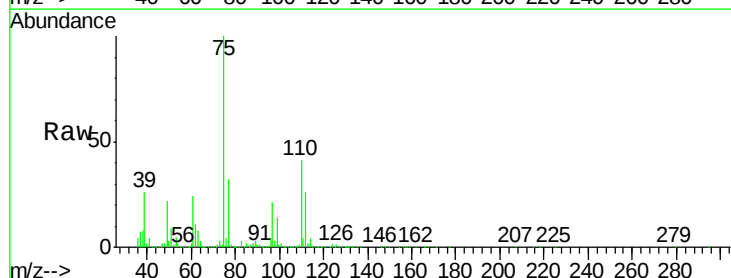
Manual Integrations
 APPROVED

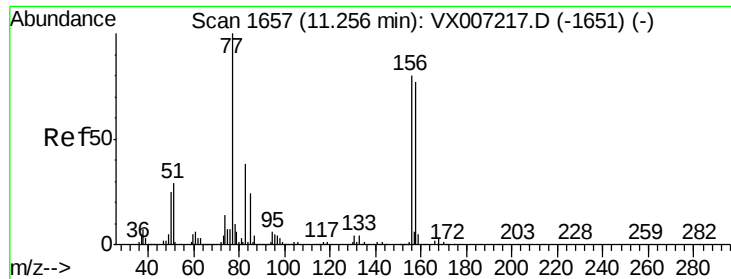
MMDadoda
 1/28/2019 12:05:07 PM



#72
 1,2,3-Trichloropropane
 Concen: 42.571 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.1	0.0	81.2





#73

Bromobenzene

Concen: 47.401 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

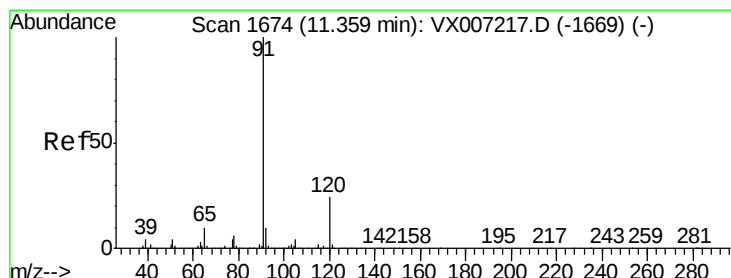
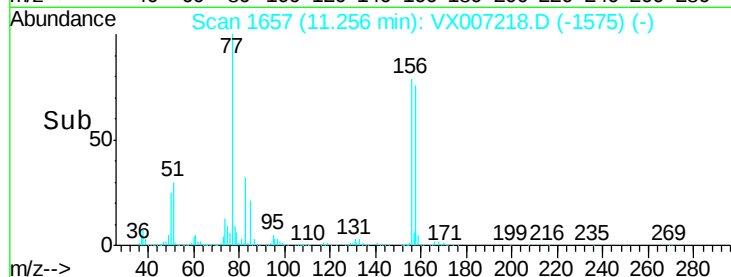
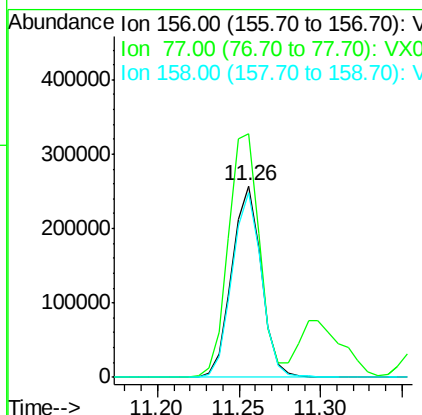
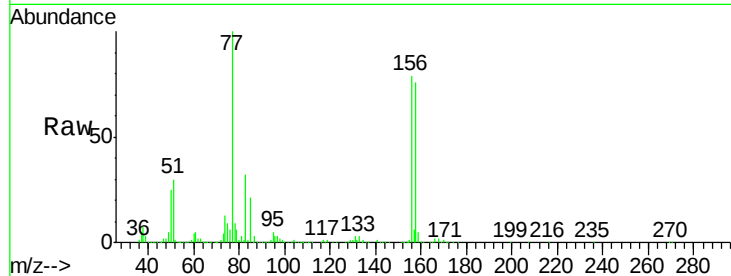
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	323298
Ion Ratio	Lower	Upper	
156	100		
77	133.9	0.0	292.4
158	96.8	0.0	194.2

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#74

n-propylbenzene

Concen: 45.915 ug/l

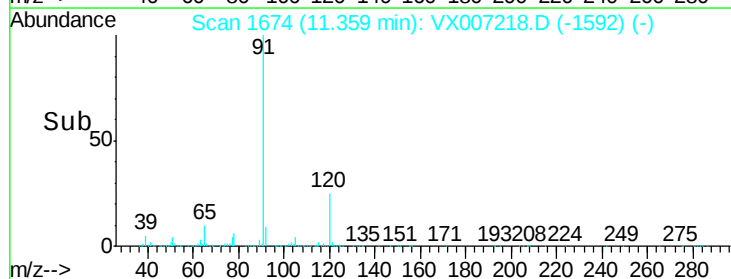
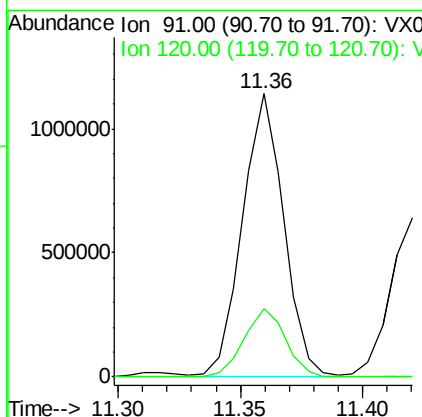
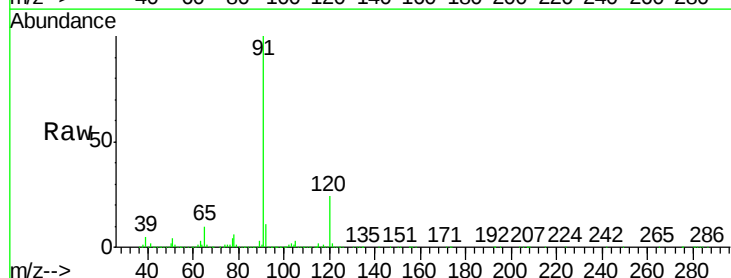
RT: 11.36 min Scan# 1674

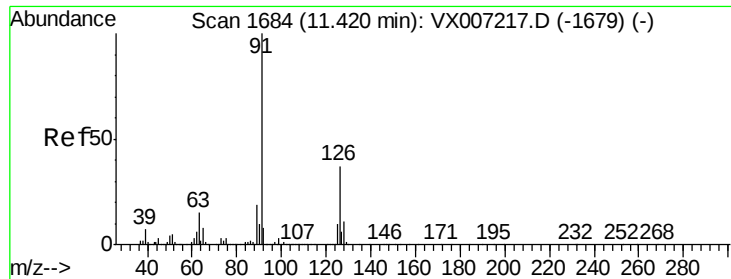
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	91	Resp:	1340469
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	45.4





#75

2-Chlorotoluene

Concen: 44.371 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 790034

Ion Ratio Lower Upper

91 100

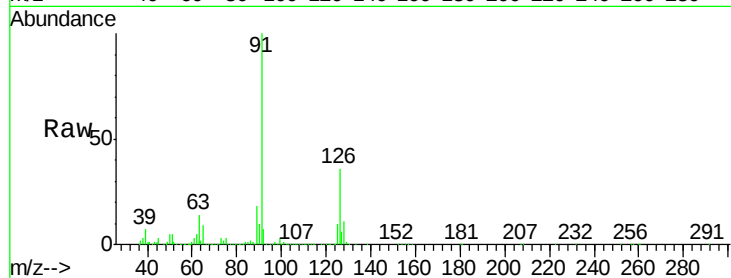
126 36.7 0.0 68.2

Manual Integrations

APPROVED

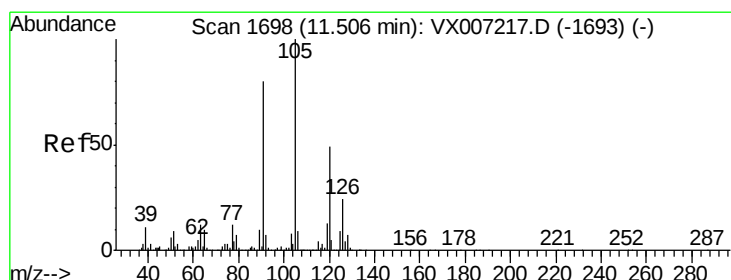
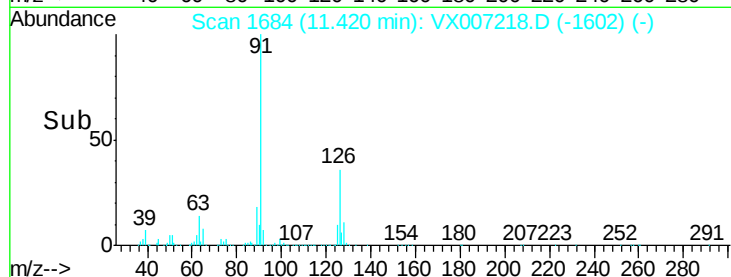
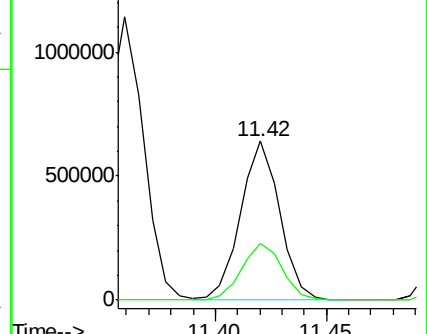
MMDadoda

1/28/2019 12:05:07 PM



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: 45.928 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007218.D

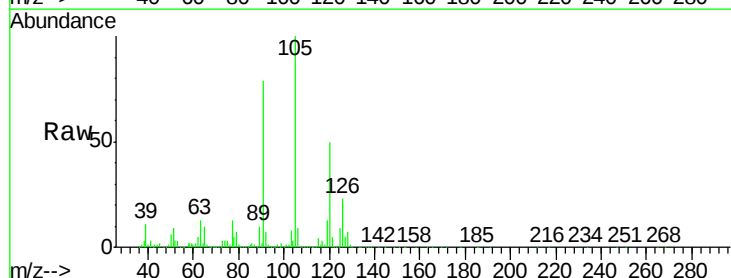
Acq: 25 Jan 2019 09:51

Tgt Ion: 105 Resp: 983248

Ion Ratio Lower Upper

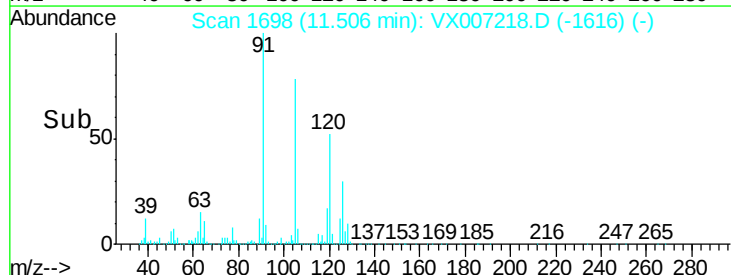
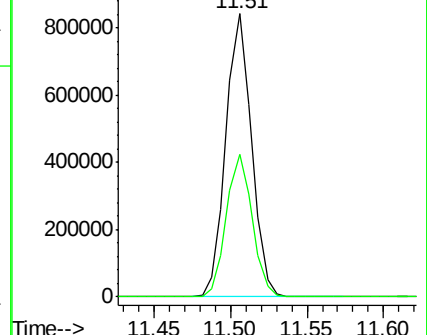
105 100

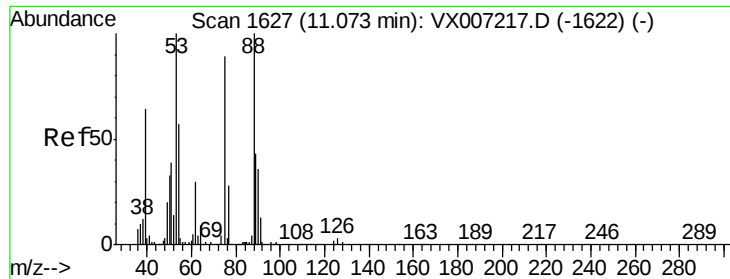
120 50.4 0.0 96.8



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: 39.285 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

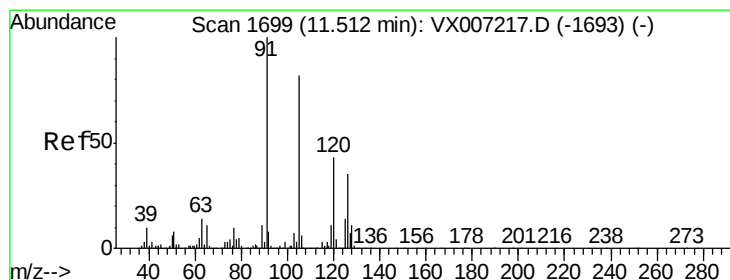
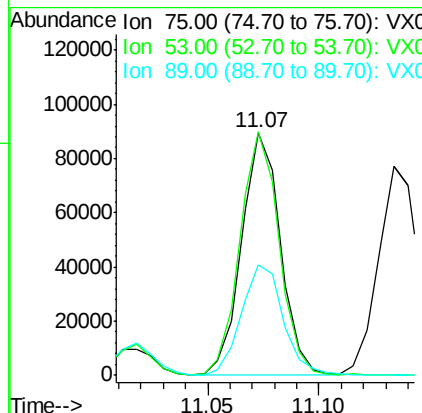
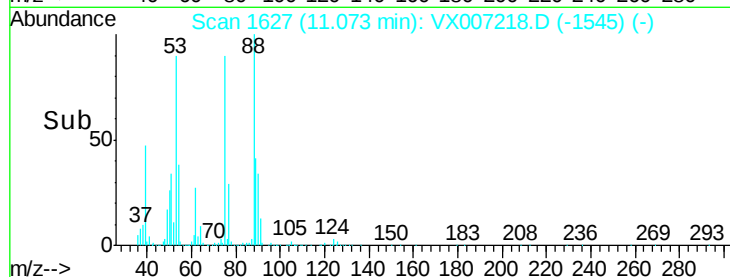
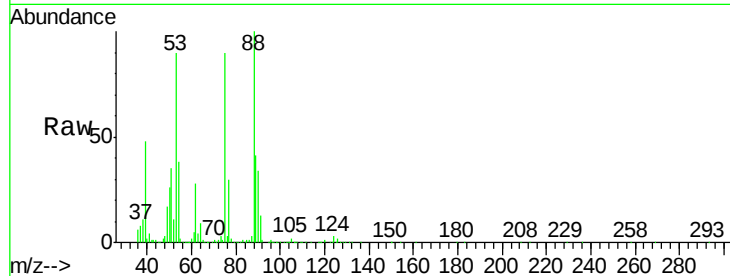
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	108446
Ion	Ratio	Lower	Upper
75	100		
53	100.4	50.3	150.9
89	45.6	22.6	67.8

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#78

4-Chlorotoluene

Concen: 43.946 ug/l

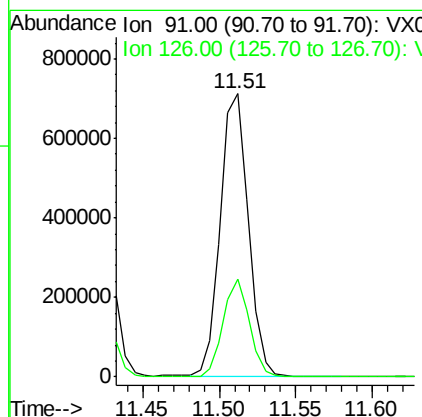
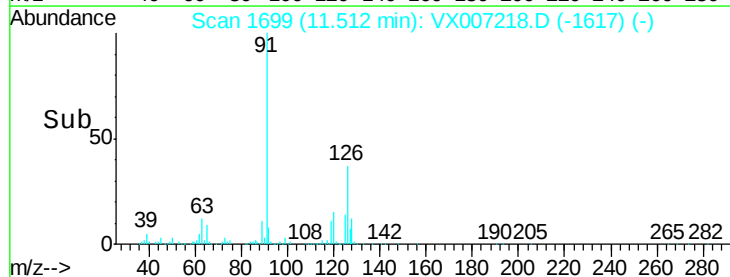
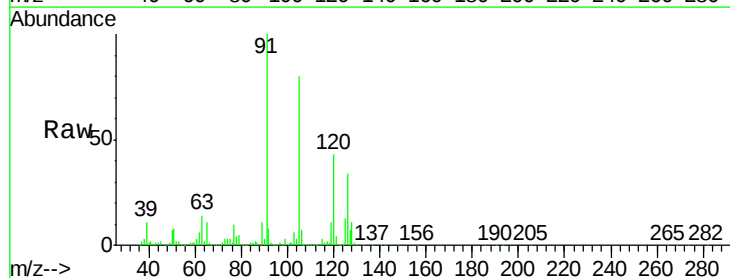
RT: 11.51 min Scan# 1699

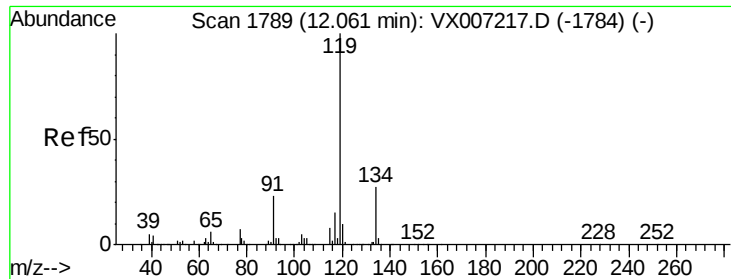
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	91	Resp:	909489
Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	61.0





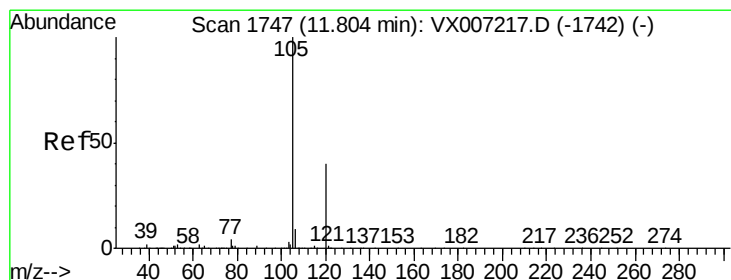
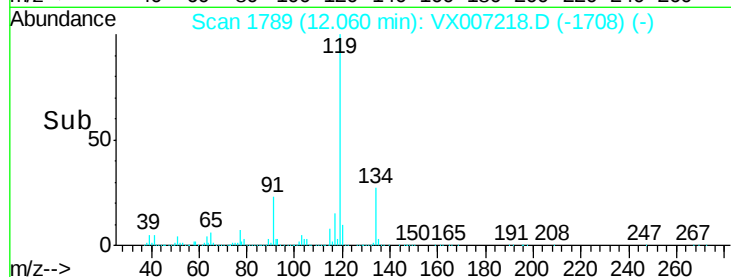
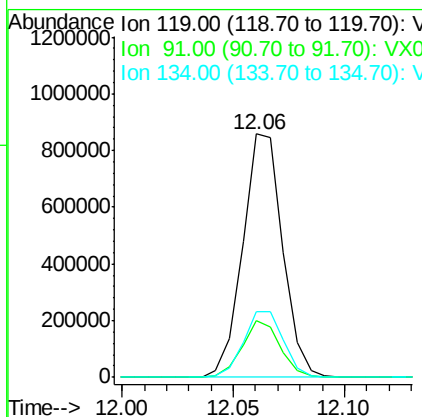
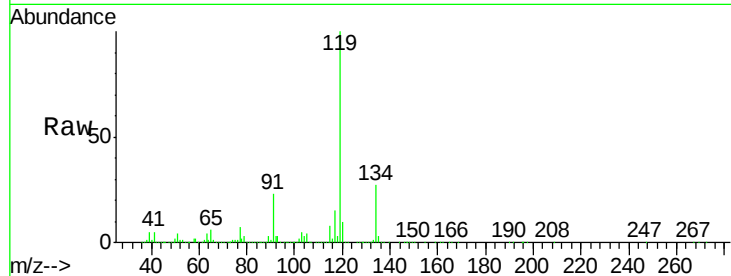
#79
tert-butylbenzene
Concen: 47.119 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	22.1	0.0	45.8
134	27.5	0.0	52.8

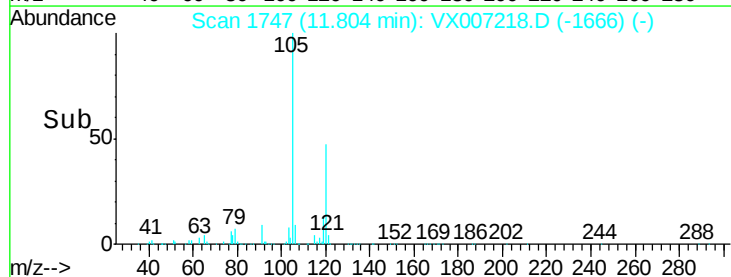
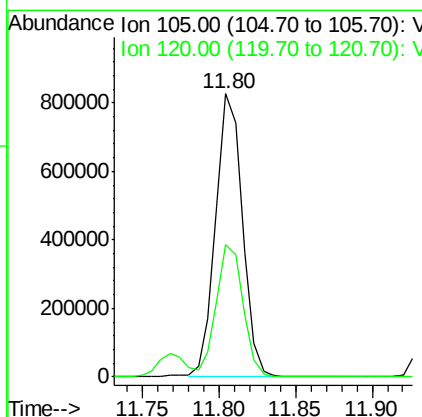
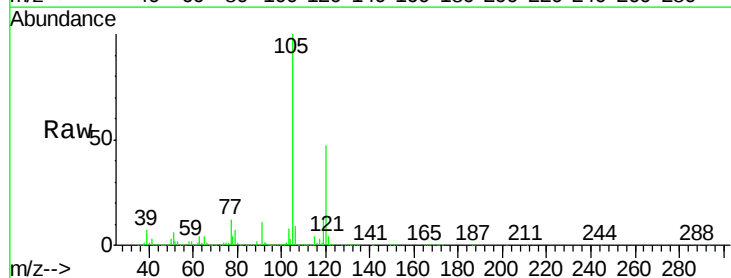
Manual Integrations
APPROVED

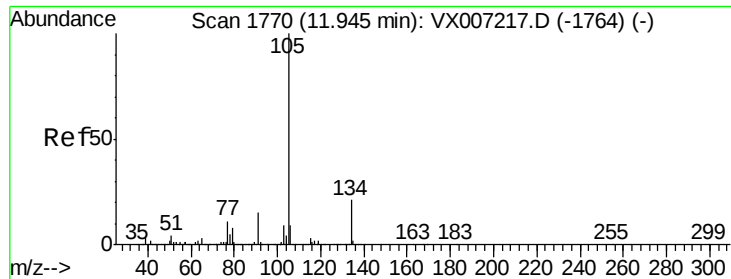
MMDadoda
1/28/2019 12:05:07 PM



#80
1,2,4-Trimethylbenzene
Concen: 46.168 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	0.0	90.6





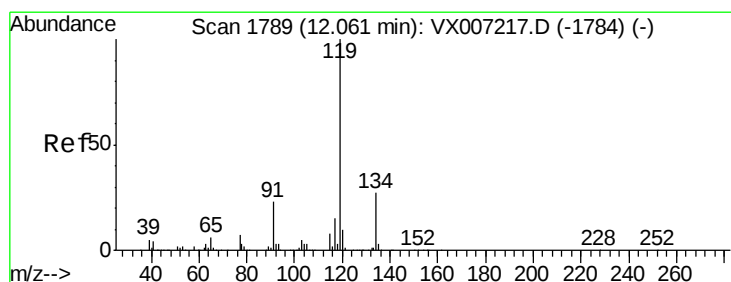
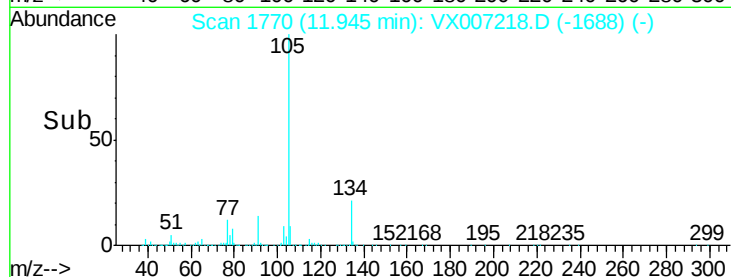
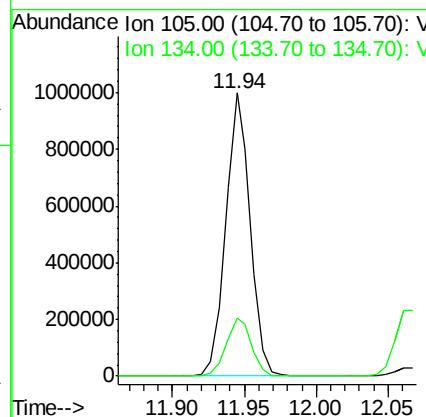
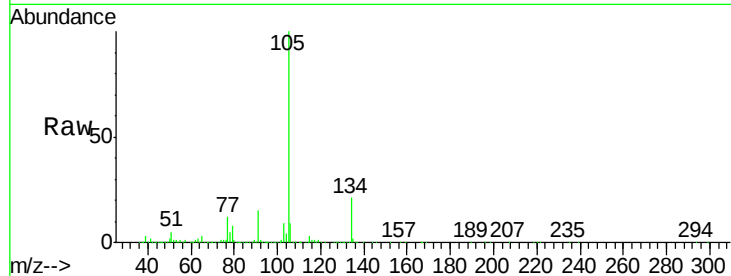
#81
 sec-Butylbenzene
 Concen: 46.947 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Tot Ion:105 Resp: 1186408
 Ion Ratio Lower Upper
 105 100
 134 21.3 0.0 40.4

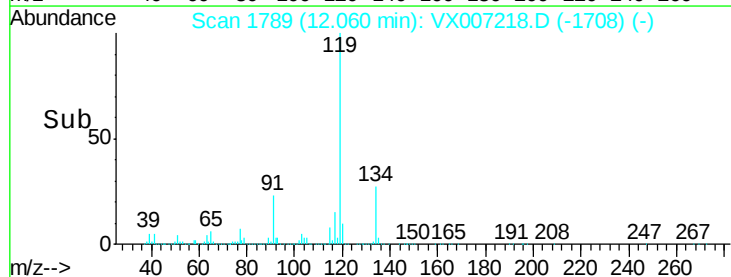
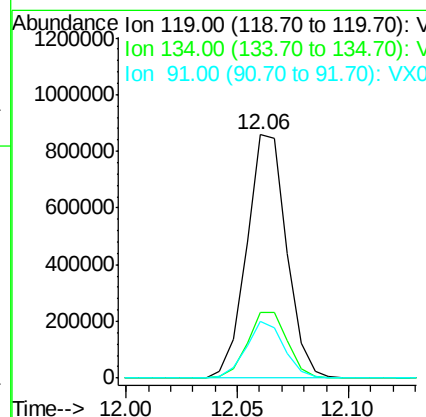
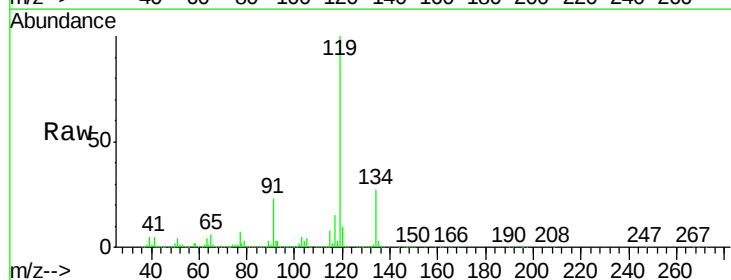
Manual Integrations
 APPROVED

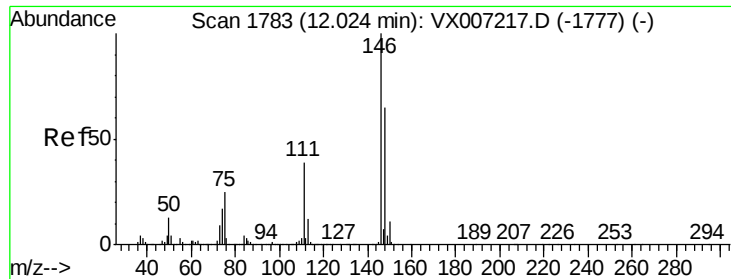
MMDadoda
 1/28/2019 12:05:07 PM



#82
 p-Isopropyltoluene
 Concen: 47.119 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion:119 Resp: 1070563
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 52.8
 91 22.1 0.0 45.8





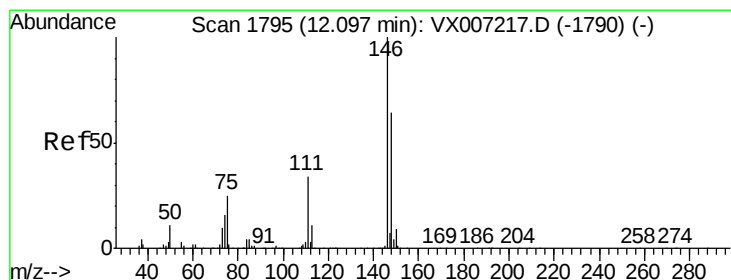
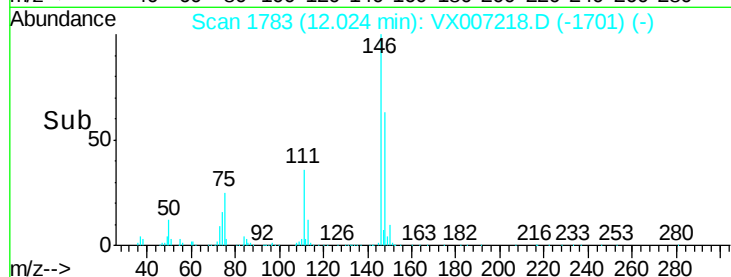
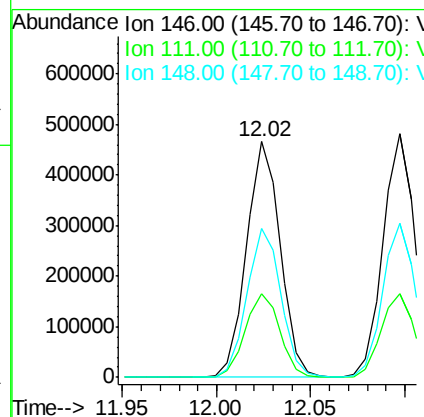
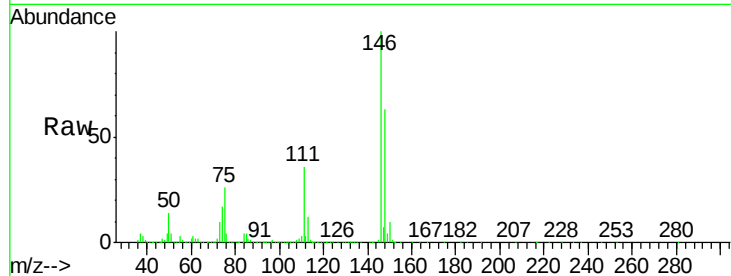
#83
 1,3-Dichlorobenzene
 Concen: 45.895 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.3	57.8
148	63.6	32.4	97.2

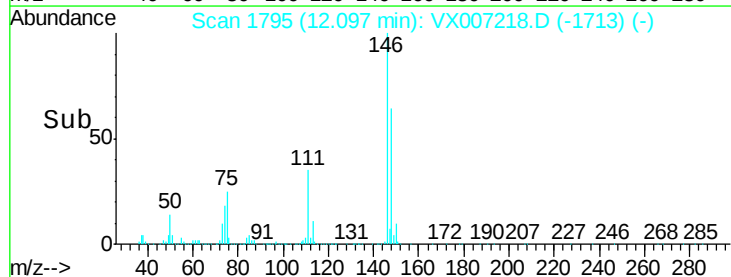
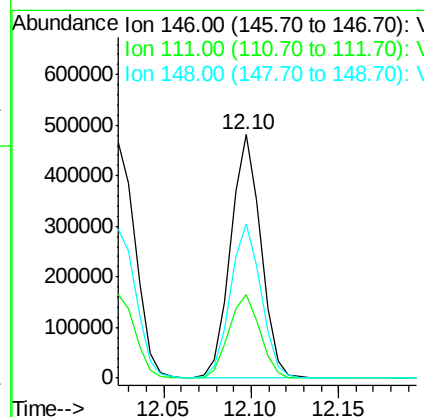
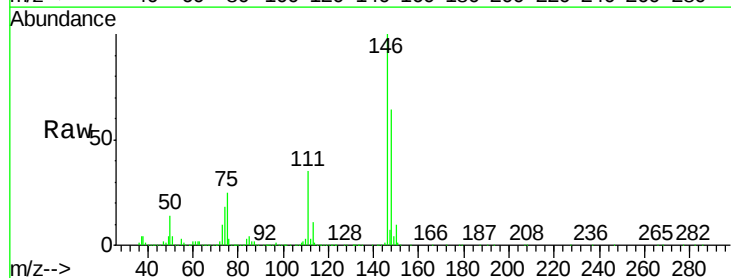
Manual Integrations
 APPROVED

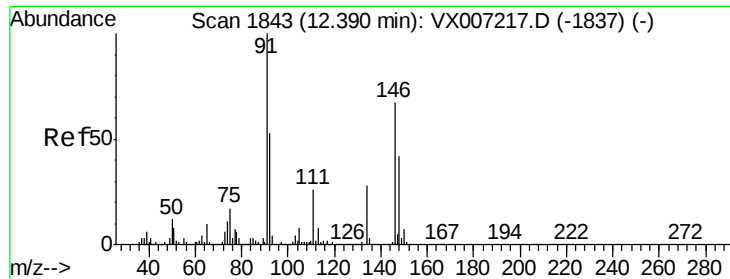
MMDadoda
 1/28/2019 12:05:07 PM



#84
 1,4-Dichlorobenzene
 Concen: 45.073 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.4
148	64.4	31.9	95.7





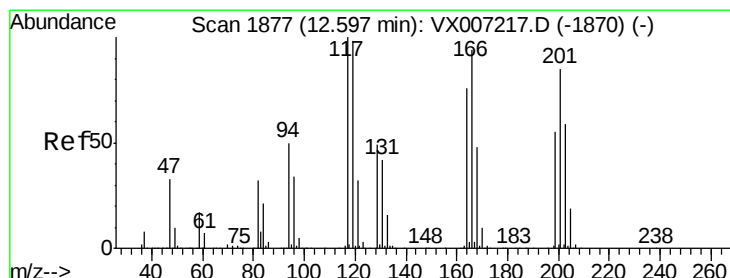
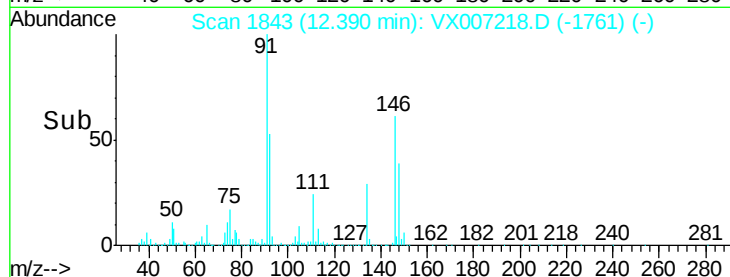
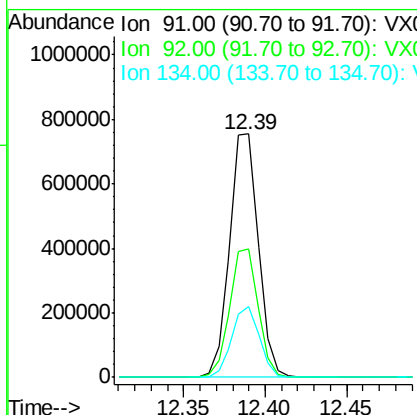
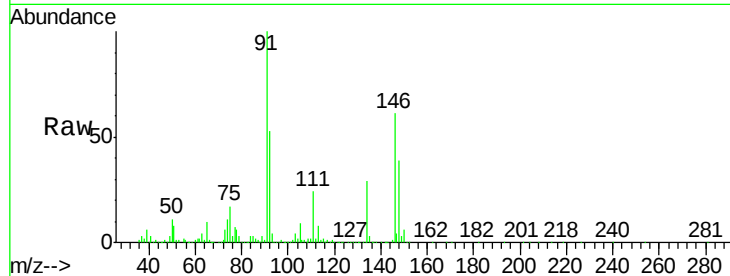
#85
n-Butylbenzene
Concen: 44.788 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	924255		
92	52.2	0.0	103.6	
134	28.2	0.0	52.2	

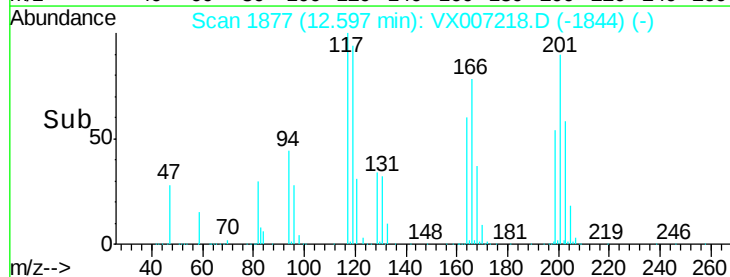
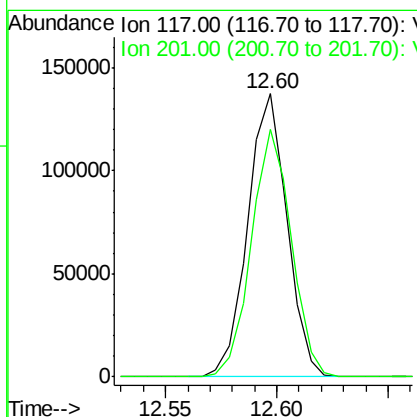
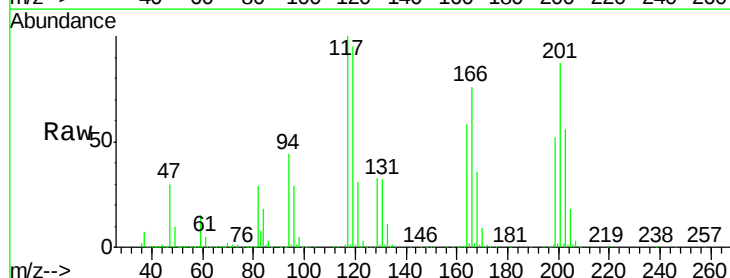
Manual Integrations
APPROVED

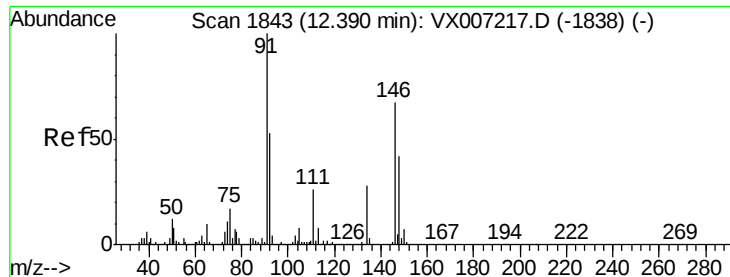
MMDadoda
1/28/2019 12:05:07 PM



#86
Hexachloroethane
Concen: 45.205 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007218.D
Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	169179		
201	88.6	47.1	141.4	





#87

1,2-Dichlorobenzene

Concen: 44.205 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

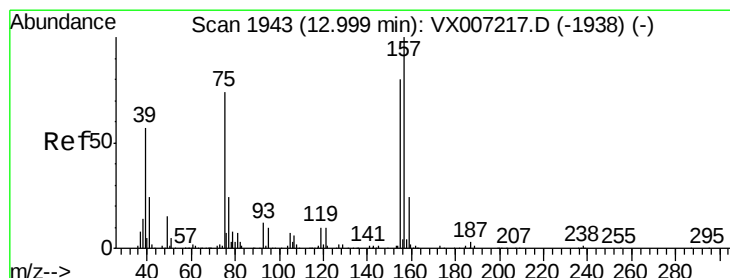
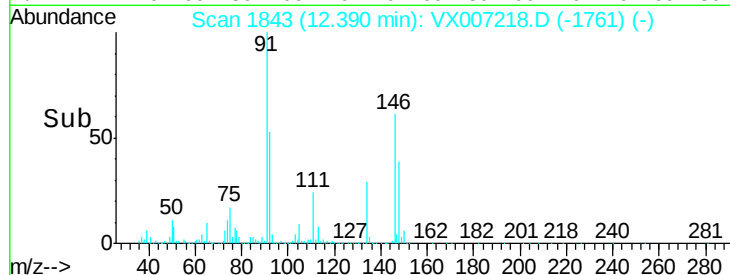
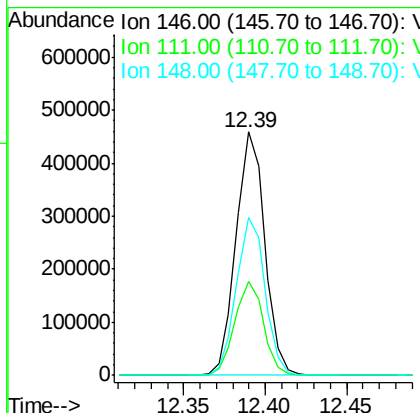
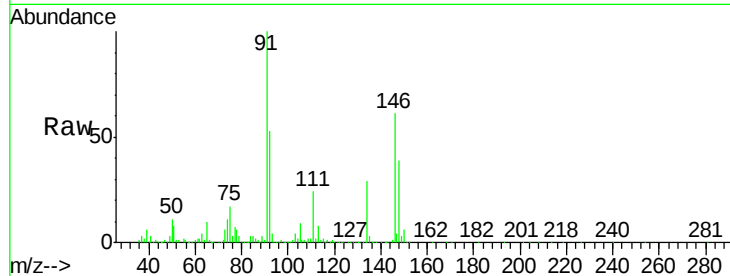
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	566747
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.6	58.7
148	64.5	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:05:07 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 36.873 ug/l

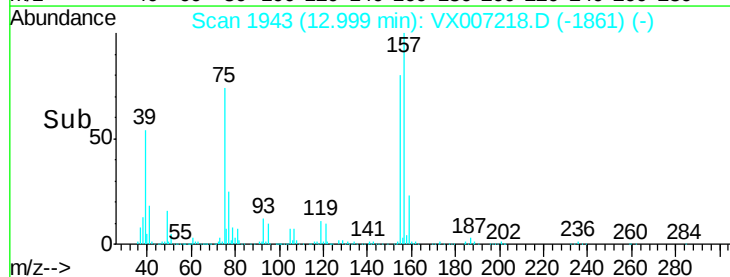
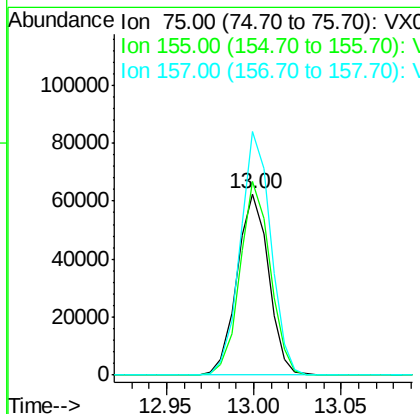
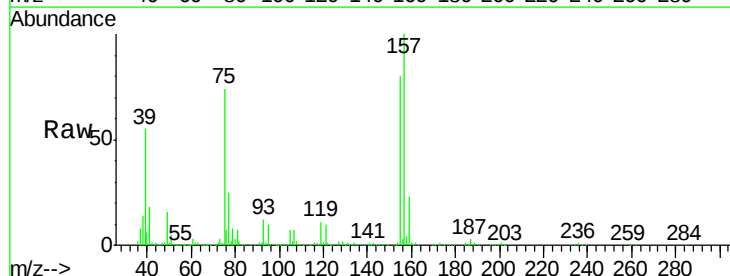
RT: 13.00 min Scan# 1943

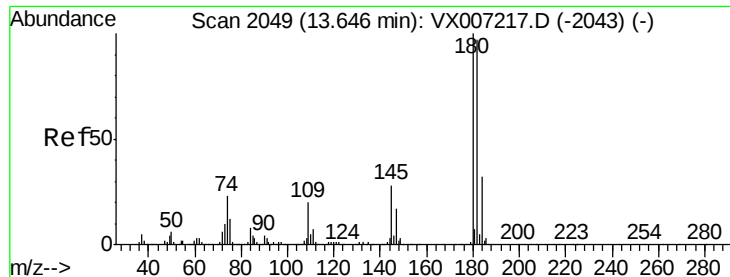
Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Tgt Ion:	75	Resp:	78527
Ion Ratio	Lower	Upper	
75	100		
155	102.3	71.6	107.4
157	129.6	91.3	136.9





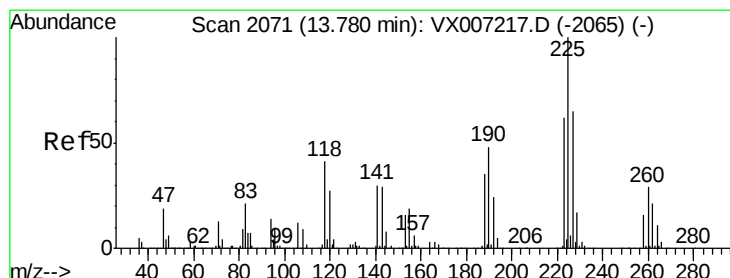
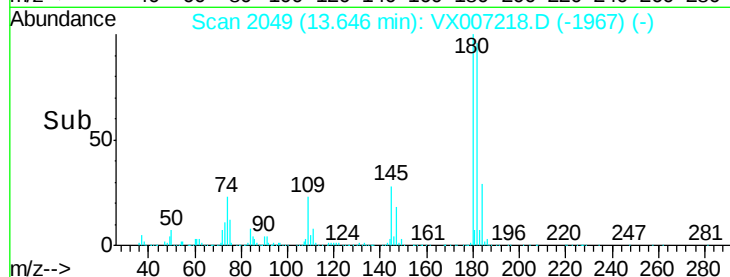
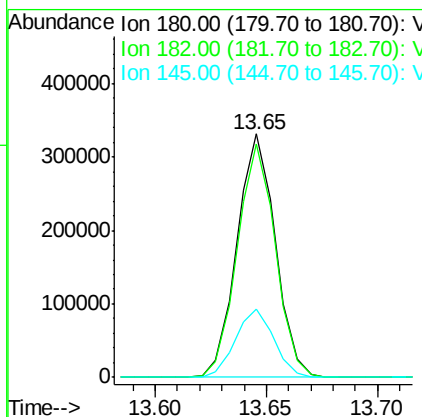
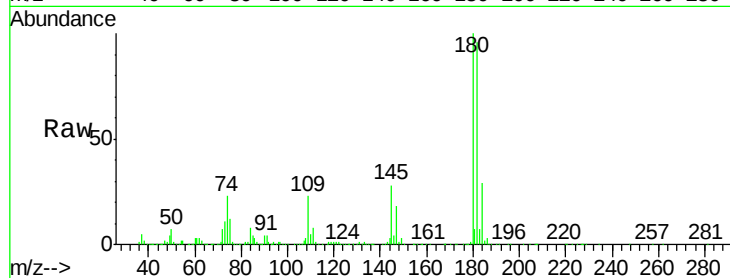
#89
 1,2,4-Trichlorobenzene
 Concen: 41.570 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397580		
182	95.5	76.8	115.2	
145	28.6	22.6	33.8	

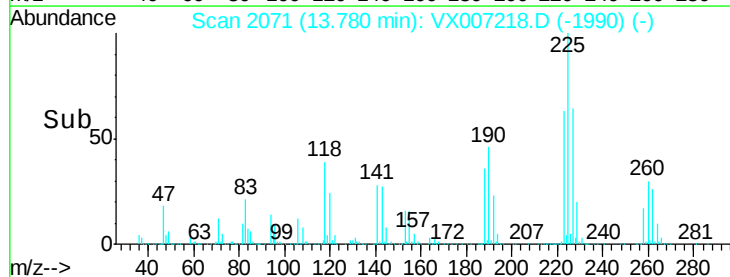
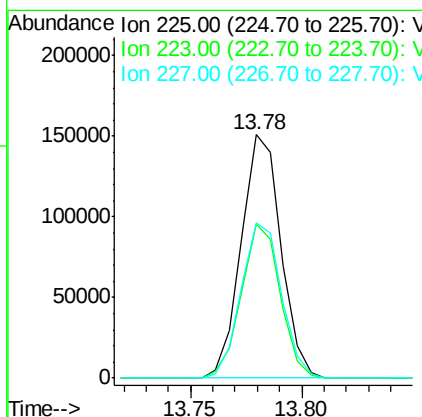
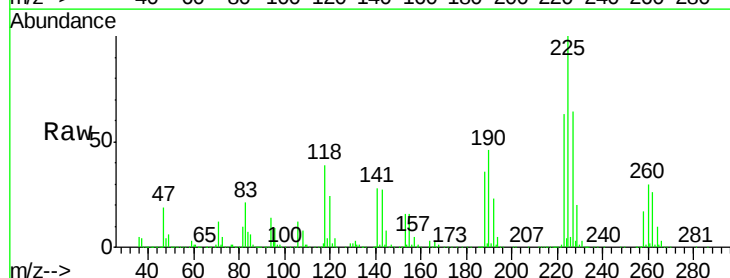
Manual Integrations
 APPROVED

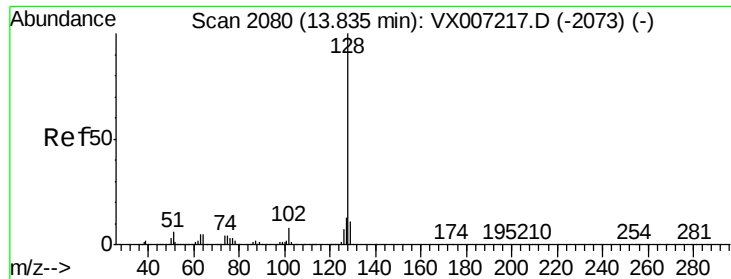
MMDadoda
 1/28/2019 12:05:07 PM



#90
 Hexachlorobutadiene
 Concen: 39.741 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX007218.D
 Acq: 25 Jan 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187643		
223	62.0	0.0	126.6	
227	65.1	0.0	129.6	





#91

Naphthalene

Concen: 41.187 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 1224829

Ion Ratio Lower Upper

128 100

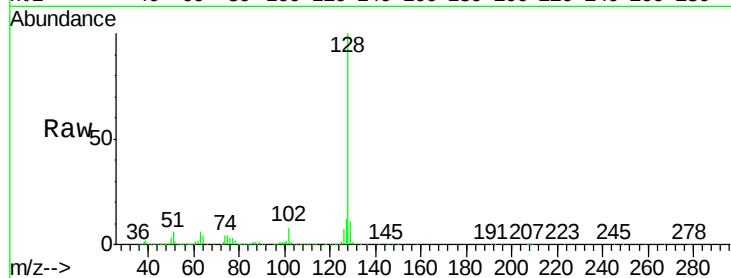
127 12.9 10.5 15.7

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

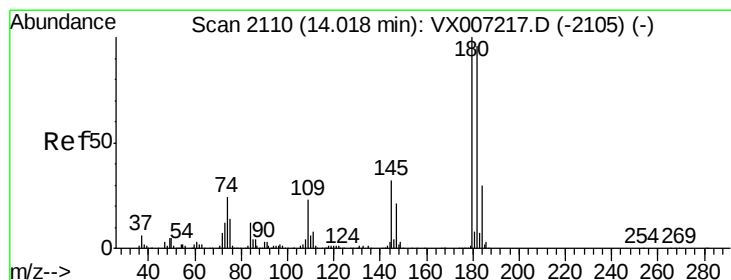
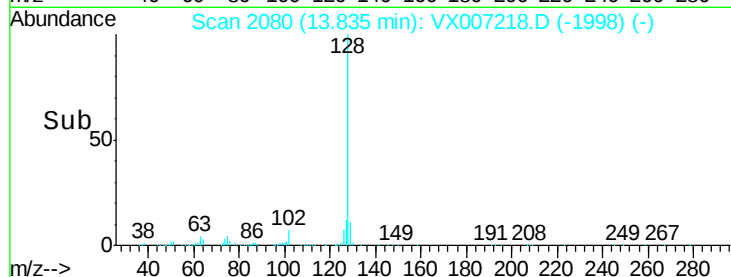
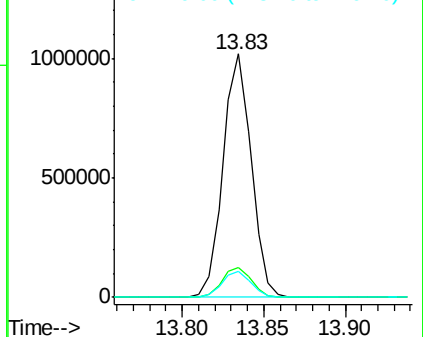
1/28/2019 12:05:07 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 39.757 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007218.D

Acq: 25 Jan 2019 09:51

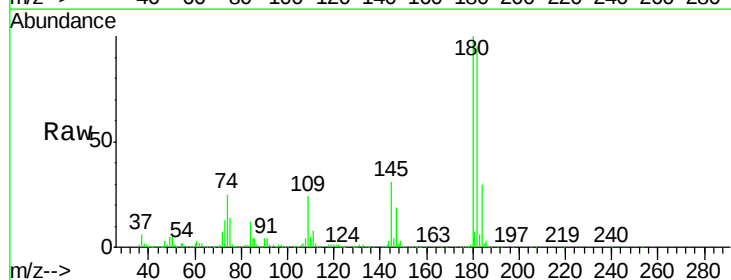
Tgt Ion:180 Resp: 389900

Ion Ratio Lower Upper

180 100

182 96.7 0.0 192.2

145 30.4 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

