

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007921.D
 Acq On : 08 Mar 2019 10:20
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:47 AM

Quant Time: Mar 08 12:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	241473	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	215289	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	89122	30.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.47%
60) 4-Bromofluorobenzene	11.13	95	103147	31.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.07%
63) Toluene-d8	8.71	98	295632	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	54369	23.722	ug/l 98
3) Chloromethane	1.33	50	59243	23.520	ug/l 96
4) Vinyl Chloride	1.41	62	55738	19.672	ug/l 100
5) Bromomethane	1.64	94	31642	12.506	ug/l 98
6) Chloroethane	1.73	64	33513	17.401	ug/l 96
7) Trichlorofluoromethane	1.93	101	69119	15.563	ug/l 99
8) Diethyl Ether	2.19	74	37886	21.354	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54816	21.875	ug/l 98
10) 1,1-Dichloroethene	2.38	96	52517	21.121	ug/l 94
11) Methyl Iodide	2.51	142	81900	22.917	ug/l 93
12) Methyl Acetate	2.78	43	79831	23.281	ug/l 94
13) Acrolein	2.30	56	44808	74.909	ug/l 97
14) Acrylonitrile	3.15	53	179978	113.911	ug/l 99
15) Acetone	2.45	58	73635	171.727	ug/l 100
16) Carbon Disulfide	2.57	76	166128	25.194	ug/l 99
17) Allyl chloride	2.73	41	107405	25.211	ug/l 92
18) Methylene Chloride	2.86	84	60177	21.521	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	55474	20.859	ug/l 97
20) Diisopropyl ether	3.87	45	199666	24.800	ug/l 96
21) 1,1-Dichloroethane	3.70	63	107156	23.740	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	63515	21.460	ug/l 91
23) tert-Butyl Alcohol	3.06	59	74217	111.758	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	179902	20.849	ug/l 96
25) Chloroform	5.21	83	101135	21.215	ug/l 94
26) Cyclohexane	5.57	56	97909	25.868	ug/l # 91
29) 1,1-Dichloropropene	5.80	75	77269	22.940	ug/l 97
30) 2-Butanone	4.70	43	283684	142.317	ug/l 98
31) 2,2-Dichloropropane	4.59	77	69014	25.219	ug/l # 79
32) 1,1,1-Trichloroethane	5.49	97	82878	20.586	ug/l 98
33) Carbon Tetrachloride	5.79	117	72662	20.417	ug/l 96
34) Benzene	6.15	78	238219	22.434	ug/l 97
35) Methacrylonitrile	5.06	41	51359	24.781	ug/l 94
36) 1,2-Dichloroethane	6.20	62	78240	21.651	ug/l 99
37) Trichloroethene	7.21	130	63567	20.822	ug/l 94
38) Methylcyclohexane	7.46	83	96126	24.653	ug/l 94
39) 1,2-Dichloropropane	7.51	63	61893	23.434	ug/l 99
40) Dibromomethane	7.66	93	39035	20.464	ug/l 91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007921.D
 Acq On : 08 Mar 2019 10:20
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:47 AM

Quant Time: Mar 08 12:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	72947	21.549	ug/l	97
42) Vinyl Acetate	3.82	43	871013	124.838	ug/l	97
43) Ethyl Acetate	4.85	43	91802	24.049	ug/l #	82
44) Isopropyl Acetate	6.46	43	138817	23.553	ug/l	99
45) 1,4-Dioxane	7.75	88	30784	442.569	ug/l	94
46) Methyl methacrylate	7.77	41	73778	24.720	ug/l	90
47) n-amyl Acetate	10.90	43	121791	23.445	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	77203	22.092	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	88342	22.701	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	60550	21.770	ug/l	97
51) Ethyl methacrylate	9.18	69	91153	22.606	ug/l	91
52) 1,3-Dichloropropane	9.37	76	100556	22.414	ug/l	99
53) Dibromochloromethane	9.58	129	60679	20.976	ug/l	99
54) 1,2-Dibromoethane	9.67	107	63978	21.007	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	204375	99.695	ug/l	98
56) Bromoform	10.86	173	47646	21.836	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	474070	122.422	ug/l	99
59) 2-Hexanone	9.49	43	386913	131.543	ug/l	99
61) Tetrachloroethene	9.34	164	64207	21.009	ug/l	98
62) Toluene	8.78	91	254688	21.722	ug/l	99
64) Chlorobenzene	10.14	112	164215	21.552	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	57251	20.744	ug/l	98
66) Ethyl Benzene	10.25	91	271302	21.805	ug/l	97
67) m/p-Xylenes	10.36	106	209128	42.853	ug/l	95
68) o-Xylene	10.69	106	101626	21.352	ug/l	97
69) Styrene	10.71	104	168582	21.949	ug/l	99
70) Isopropylbenzene	11.02	105	273319	21.766	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	92969	22.397	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	87301m	23.003	ug/l	
73) Bromobenzene	11.26	156	72878	21.258	ug/l	95
74) n-propylbenzene	11.36	91	307085	22.025	ug/l	98
75) 2-Chlorotoluene	11.42	91	185807	22.289	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	226814	22.128	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	24627	22.480	ug/l	95
78) 4-Chlorotoluene	11.51	91	209580	22.025	ug/l	96
79) tert-butylbenzene	12.06	119	241677	22.204	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	229453	22.052	ug/l	97
81) sec-Butylbenzene	11.94	105	267957	21.891	ug/l	99
82) p-Isopropyltoluene	12.06	119	241677	22.204	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	126472	20.985	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	128329	21.338	ug/l	98
85) n-Butylbenzene	12.39	91	200018	22.146	ug/l	99
86) Hexachloroethane	12.60	117	37392	20.692	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	127273	21.040	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18530	21.391	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	90403	22.755	ug/l	99
90) Hexachlorobutadiene	13.78	225	51067	27.511	ug/l	99
91) Naphthalene	13.83	128	262011	20.679	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	90207	22.336	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007921.D
Acq On : 08 Mar 2019 10:20
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

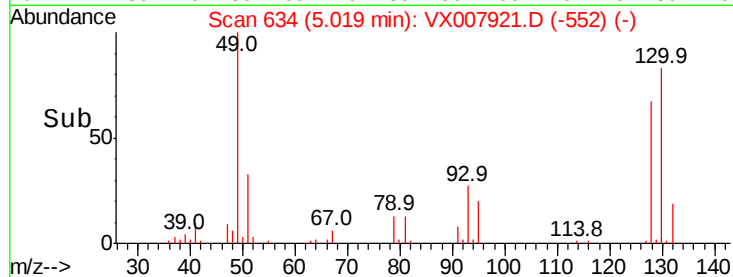
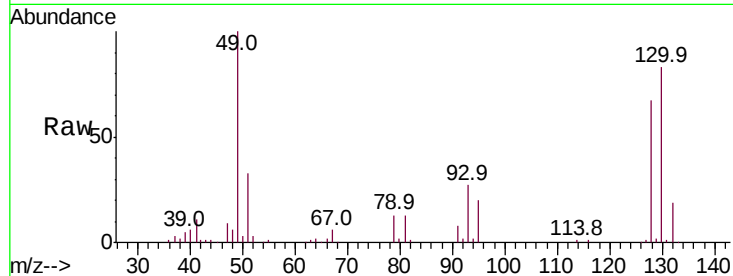
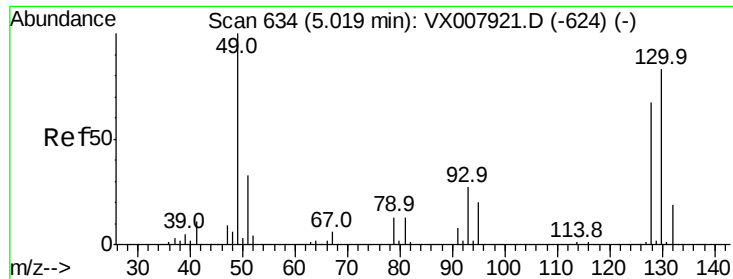
Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM

Quant Time: Mar 08 12:10:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 11:07:55 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: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007921.D

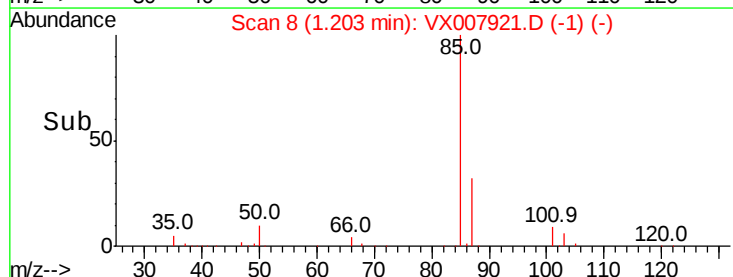
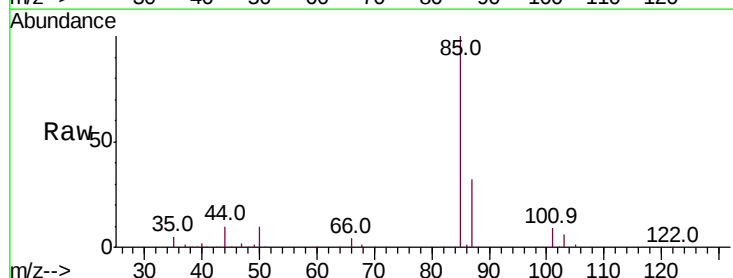
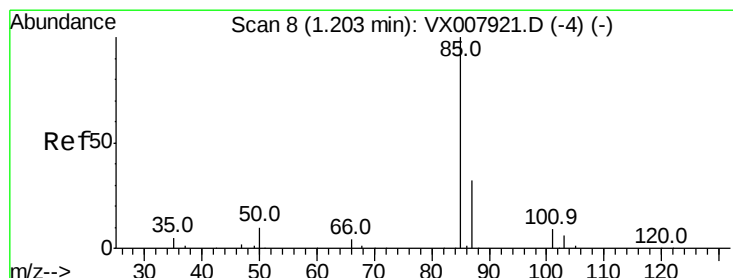
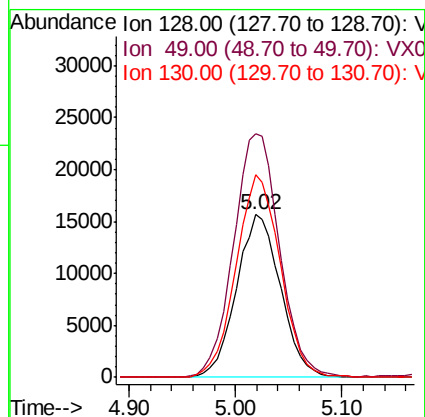
Acq: 08 Mar 2019 10:20

Tot Ion:	128	Resp:	45260
Ion	Ratio	Lower	Upper
128	100		
49	157.0	0.0	350.8
130	125.8	0.0	325.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#2

Dichlorodifluoromethane

Concen: 23.722 ug/l

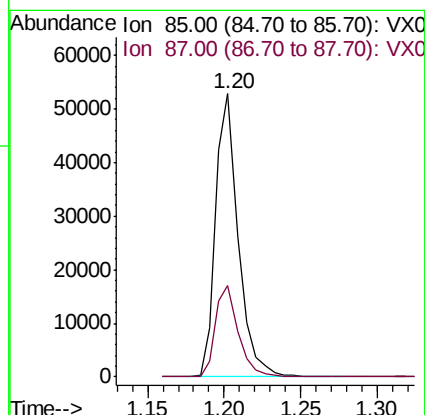
RT: 1.20 min Scan# 8

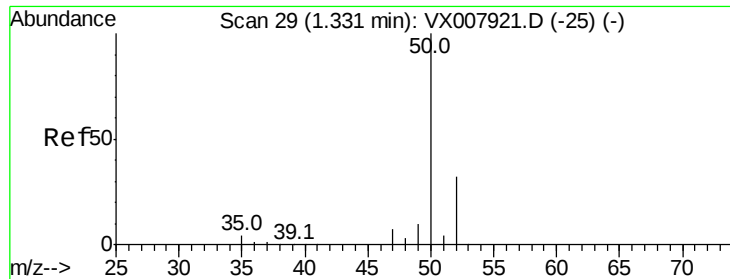
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	85	Resp:	54369
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.8





#3

Chloromethane

Concen: 23.520 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 59243

Ion Ratio Lower Upper

50 100

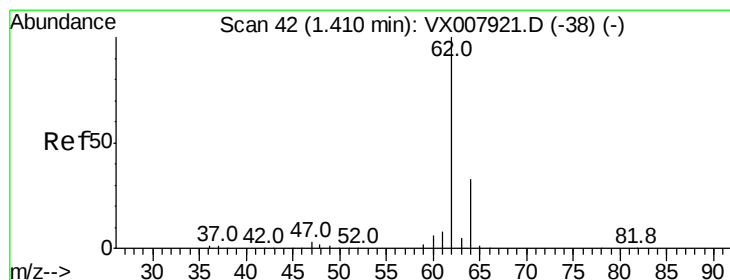
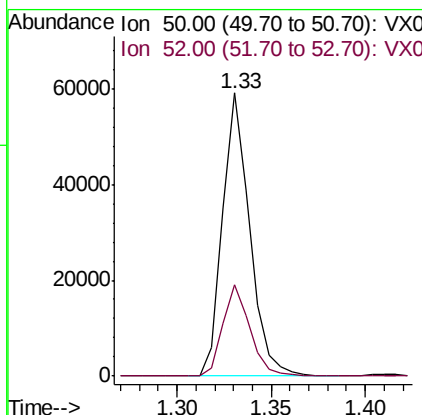
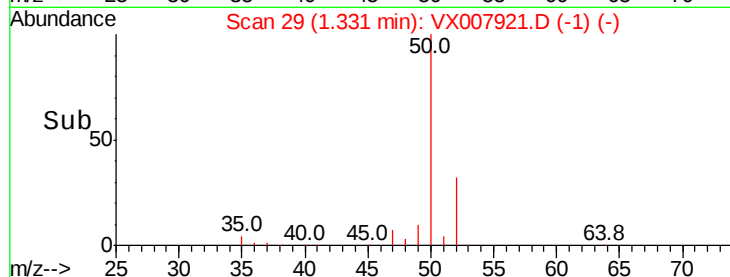
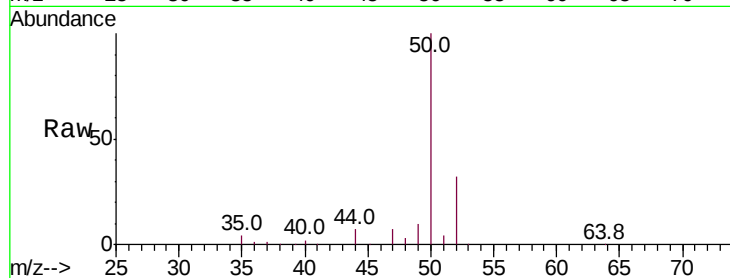
52 32.2 27.5 41.3

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#4

Vinyl Chloride

Concen: 19.672 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007921.D

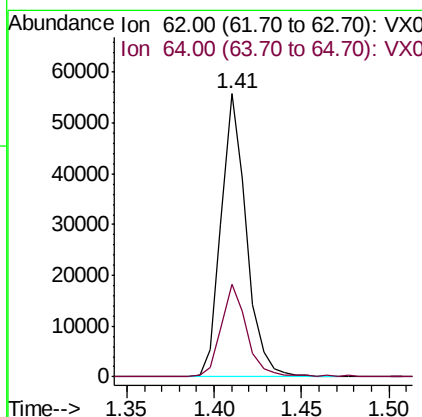
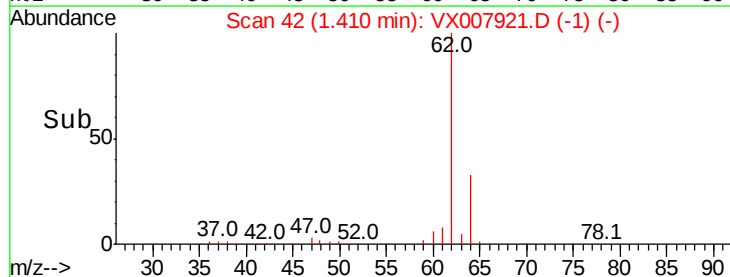
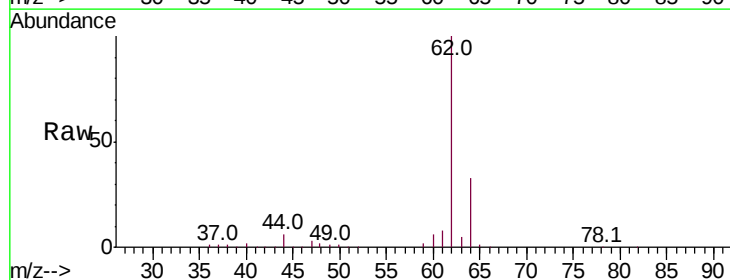
Acq: 08 Mar 2019 10:20

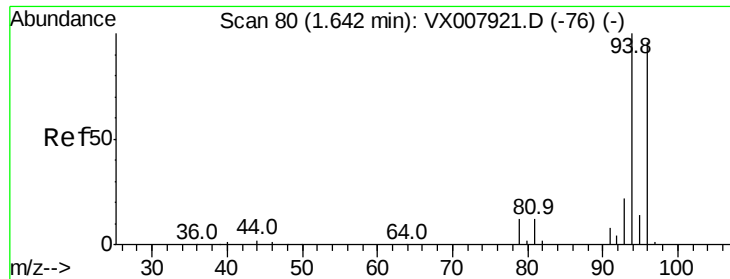
Tgt Ion: 62 Resp: 55738

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9





#5

Bromomethane

Concen: 12.506 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 31642

Ion Ratio Lower Upper

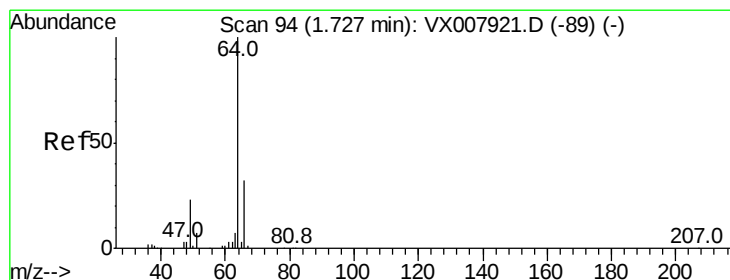
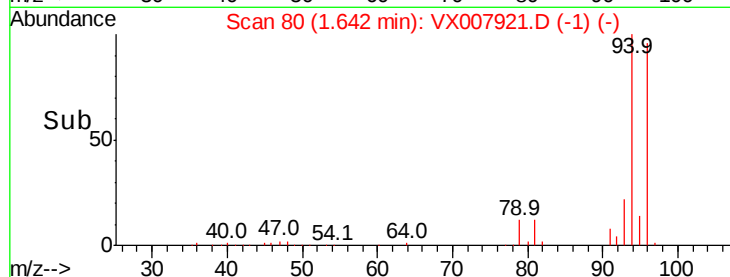
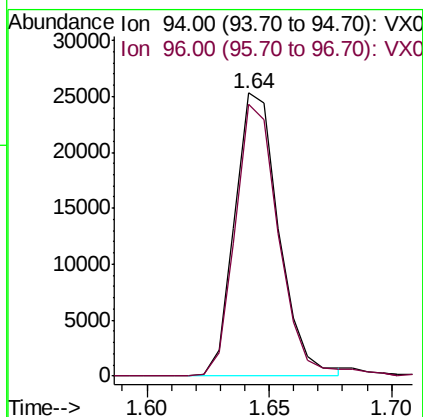
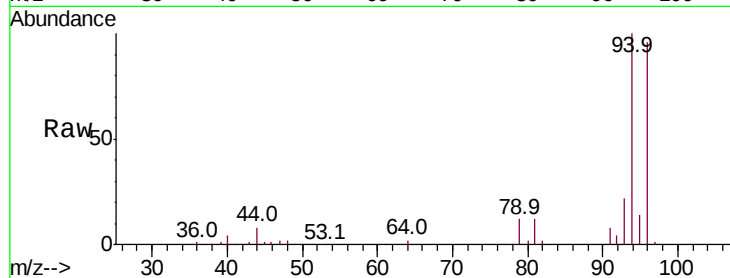
94 100

96 96.1 75.6 113.4

Manual Integrations
APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#6

Chloroethane

Concen: 17.401 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007921.D

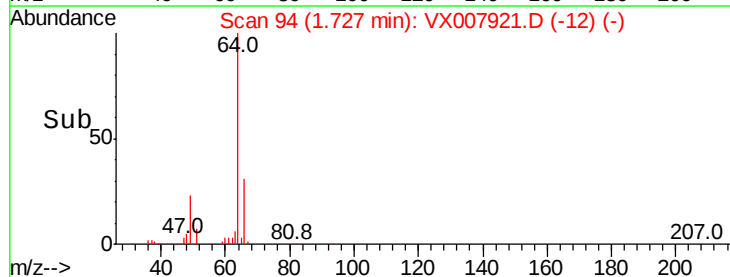
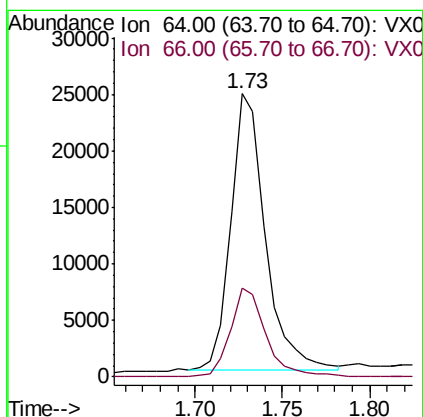
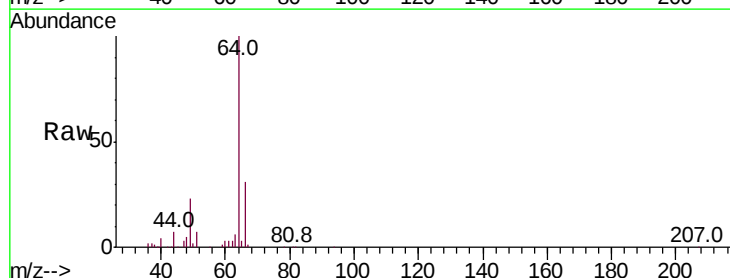
Acq: 08 Mar 2019 10:20

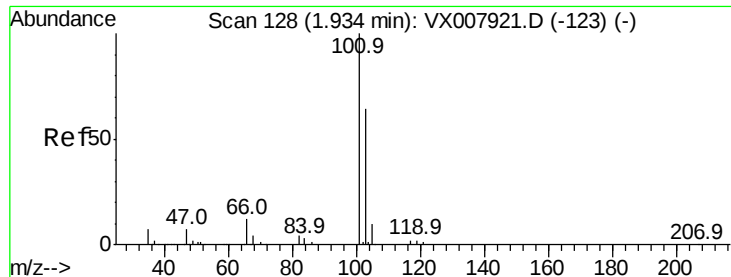
Tgt Ion: 64 Resp: 33513

Ion Ratio Lower Upper

64 100

66 31.8 23.9 35.9





#7

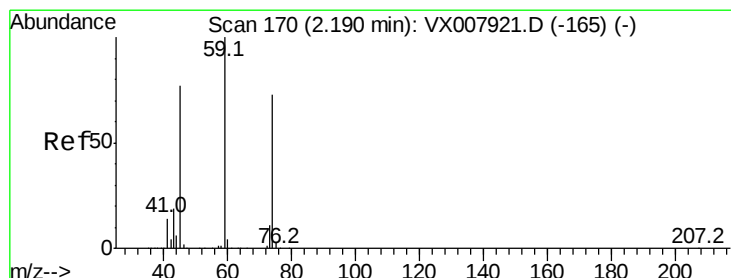
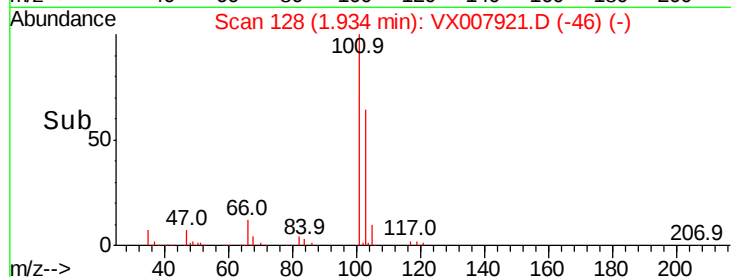
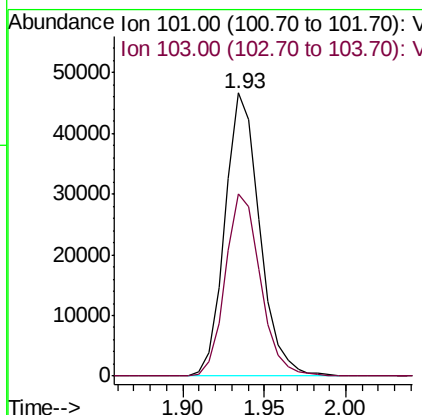
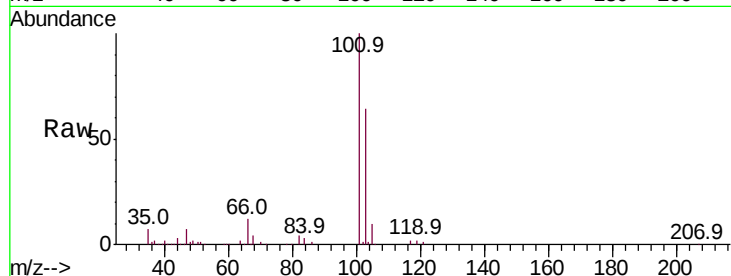
Trichlorofluoromethane
Concen: 15.563 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.4	75.6

Manual Integrations
APPROVED

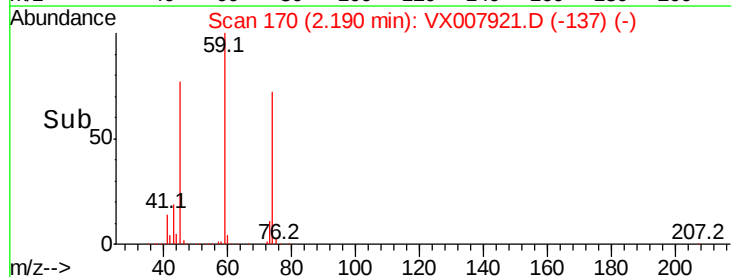
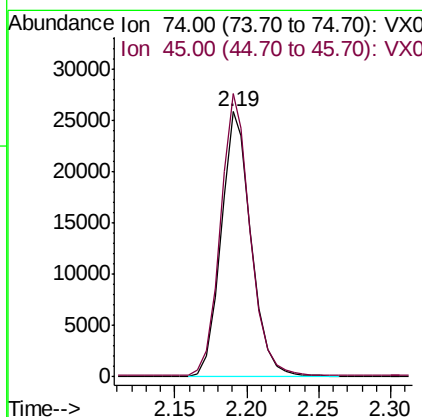
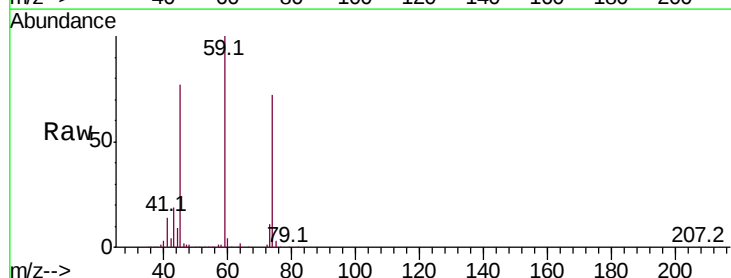
MMDadoda
3/11/2019 9:30:47 AM

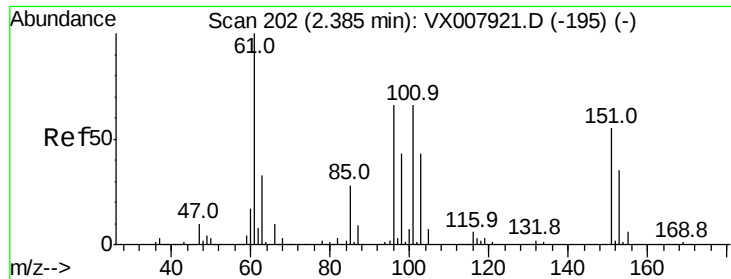


#8

Diethyl Ether
Concen: 21.354 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	18.6	167.8





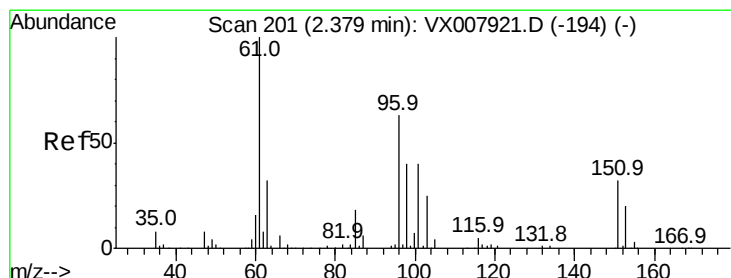
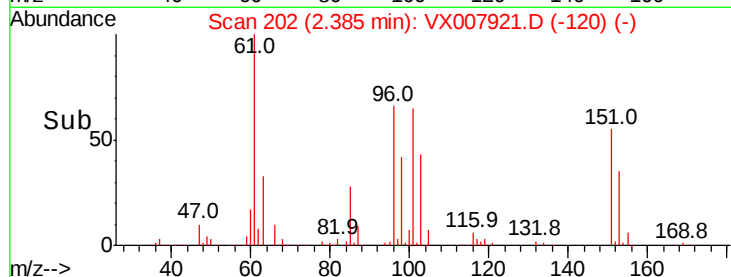
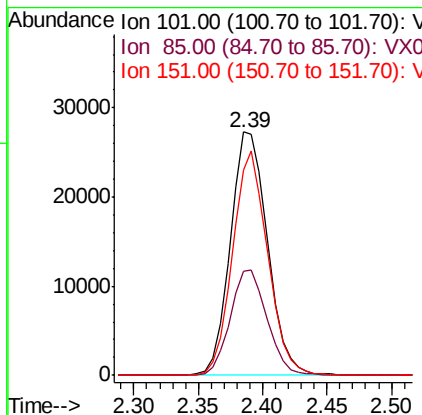
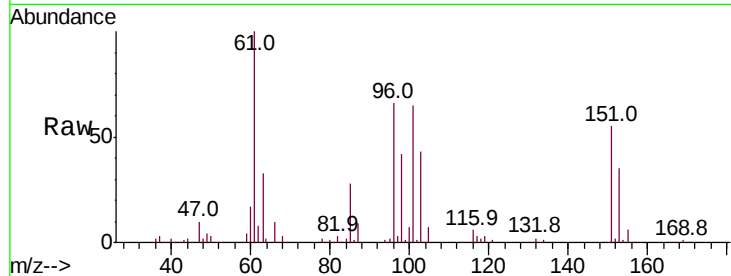
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.875 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	54816		
85	42.9	0.0	86.8	
151	86.8	0.0	169.2	

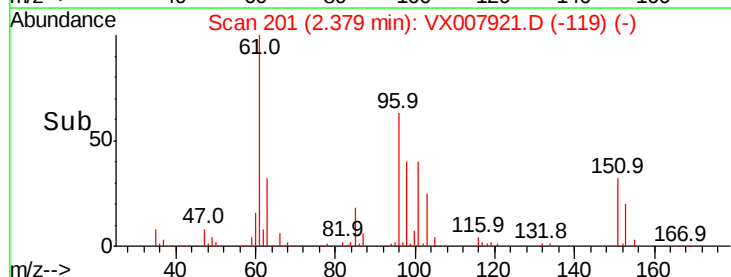
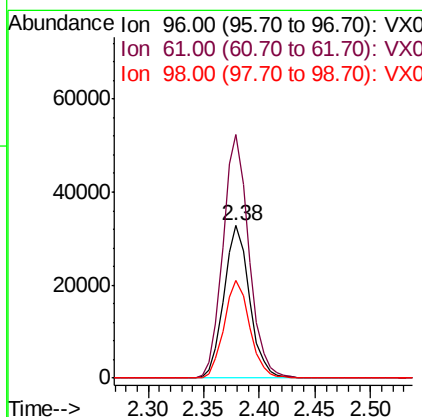
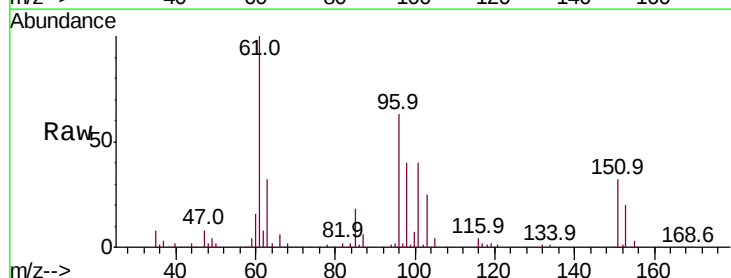
Manual Integrations
APPROVED

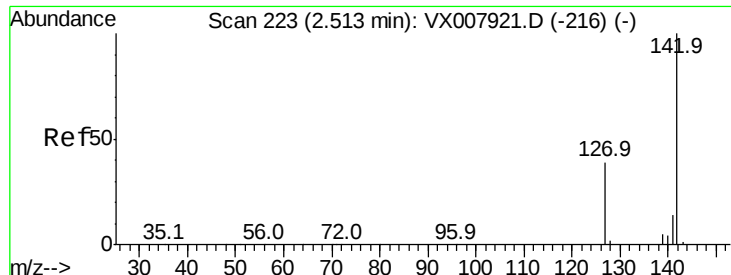
MMDadoda
3/11/2019 9:30:47 AM



#10
1,1-Dichloroethene
Concen: 21.121 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	52517		
61	159.6	120.2	180.2	
98	63.8	49.0	73.4	





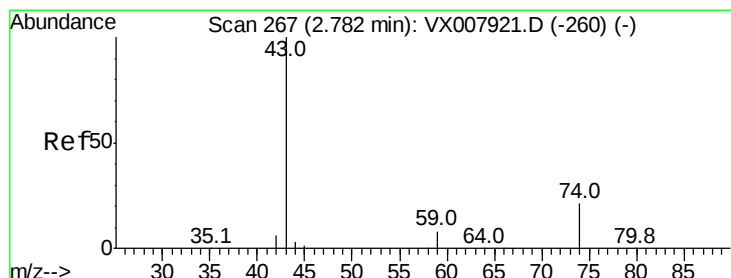
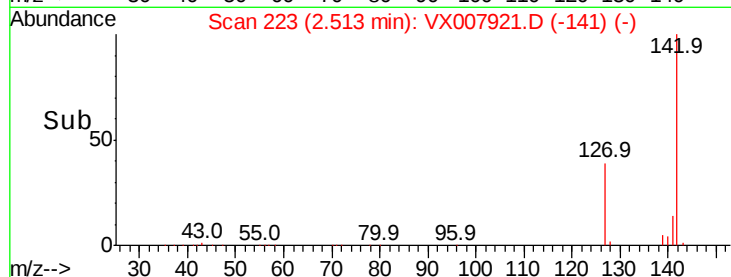
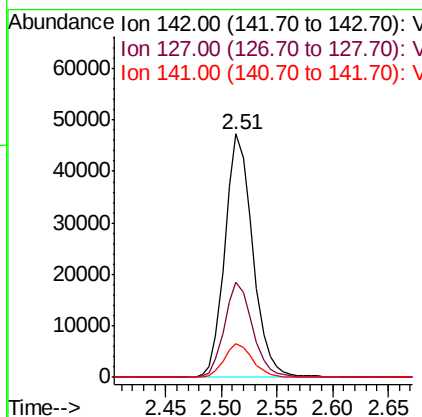
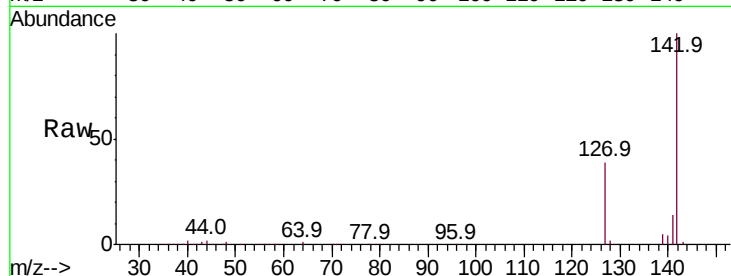
#11
Methyl Iodide
Concen: 22.917 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	22.1	66.5
141	13.7	7.4	22.3

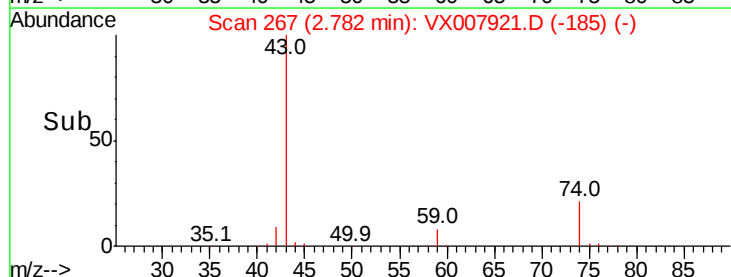
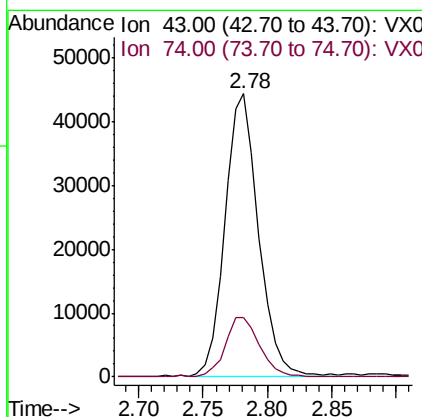
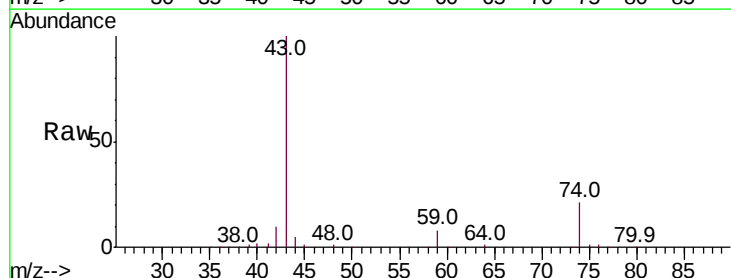
Manual Integrations
APPROVED

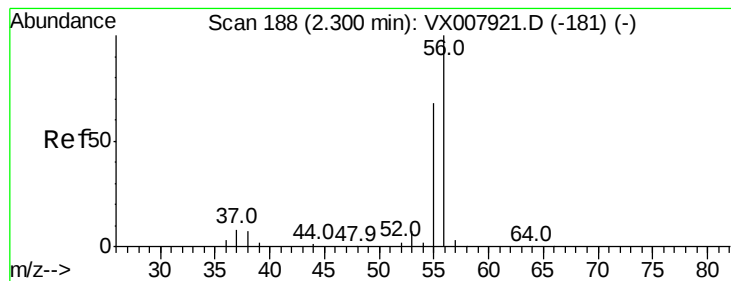
MMDadoda
3/11/2019 9:30:47 AM



#12
Methyl Acetate
Concen: 23.281 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.4	29.0





#13

Acrolein

Concen: 74.909 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 44808

Ion Ratio Lower Upper

56 100

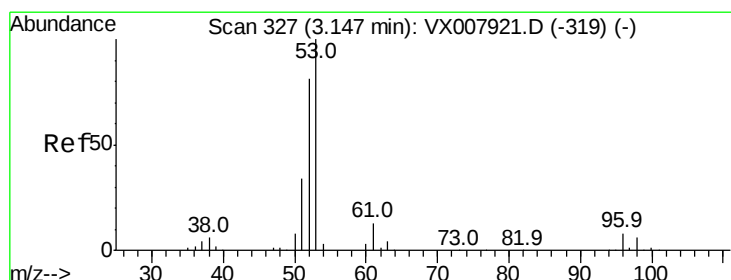
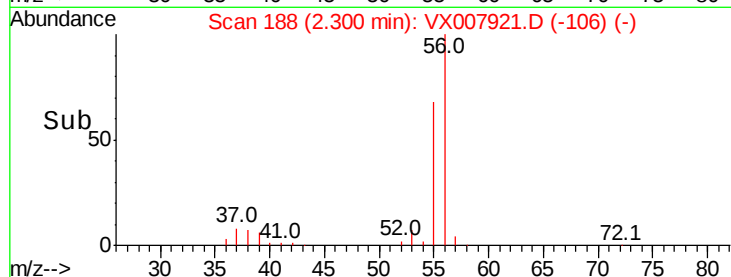
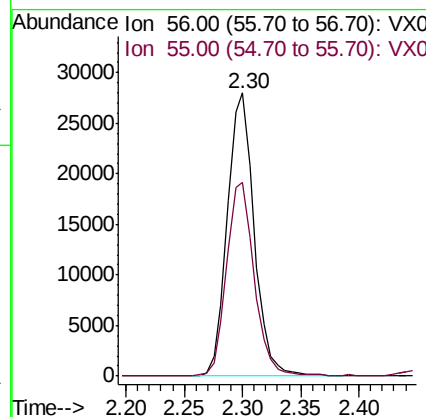
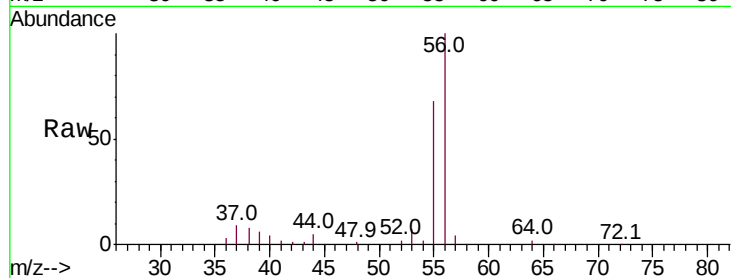
55 70.4 58.6 87.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#14

Acrylonitrile

Concen: 113.911 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

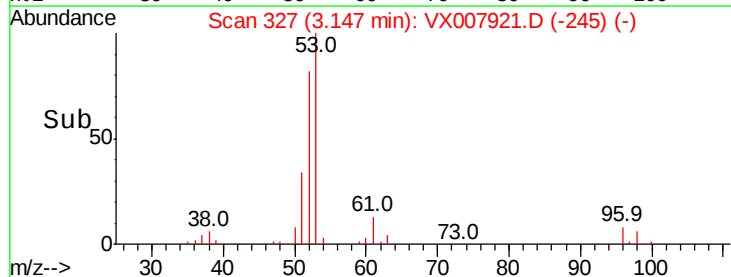
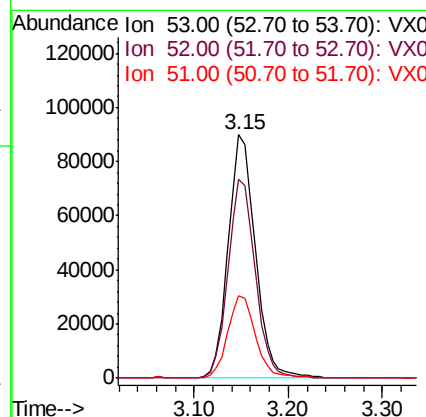
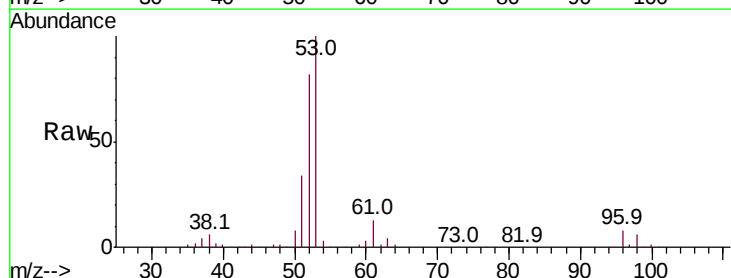
Tgt Ion: 53 Resp: 179978

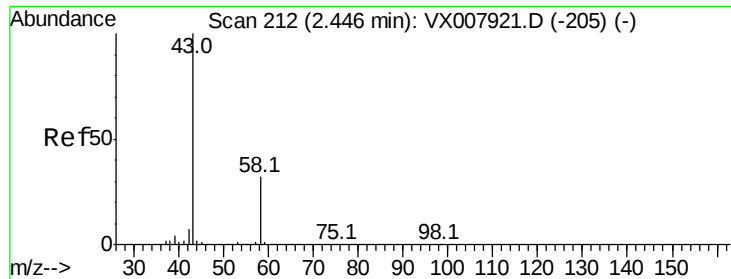
Ion Ratio Lower Upper

53 100

52 82.0 41.3 124.1

51 35.0 17.5 52.6





#15

Acetone

Concen: 171.727 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 73635

Ion Ratio Lower Upper

58 100

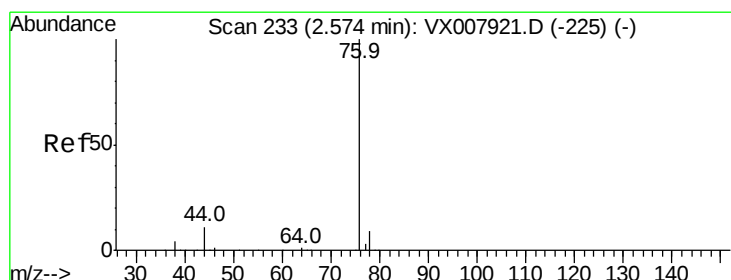
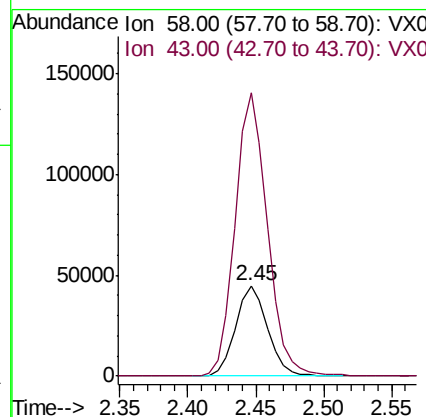
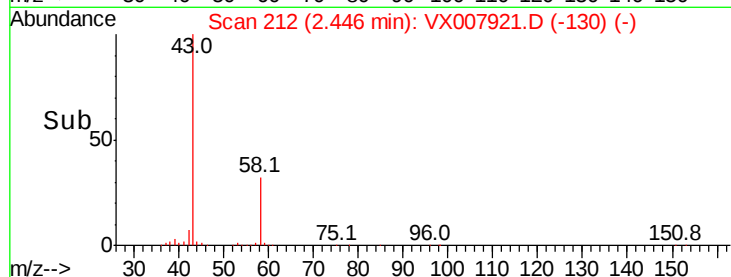
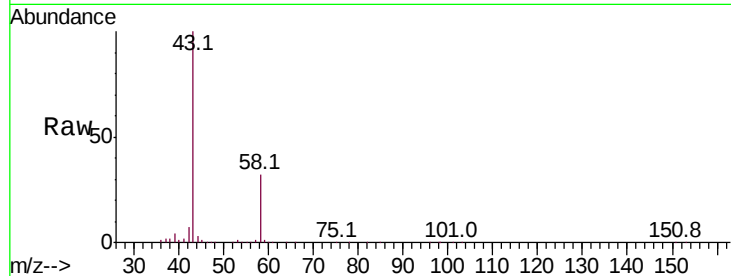
43 313.0 249.8 374.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#16

Carbon Disulfide

Concen: 25.194 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007921.D

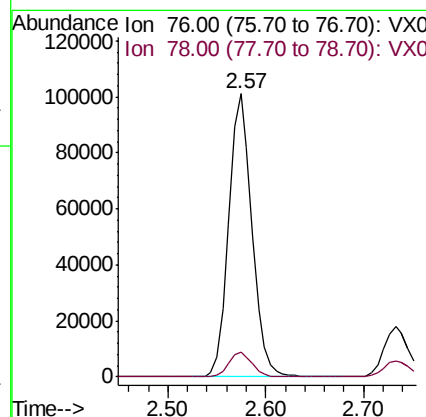
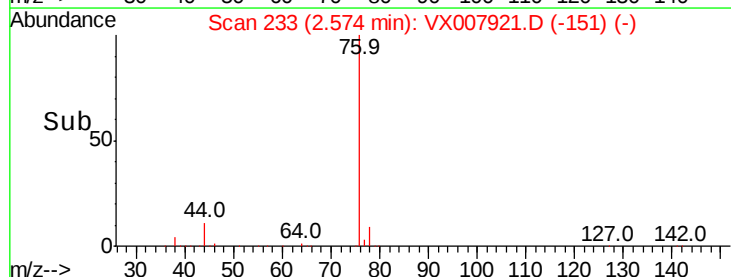
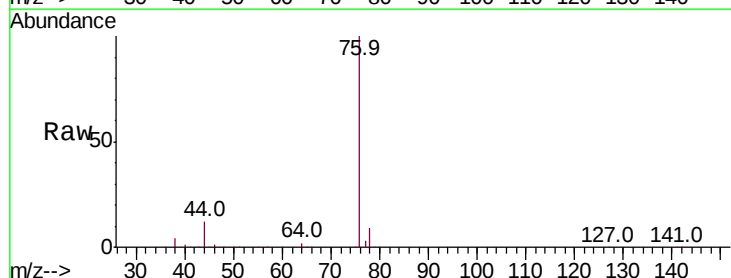
Acq: 08 Mar 2019 10:20

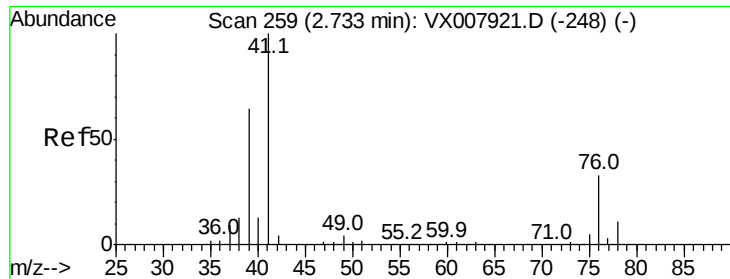
Tgt Ion: 76 Resp: 166128

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#17

Allvl chloride

Concen: 25.211 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

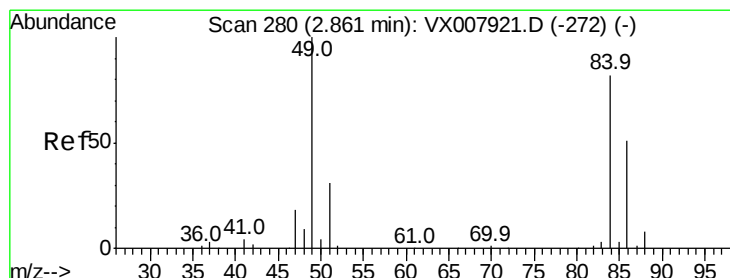
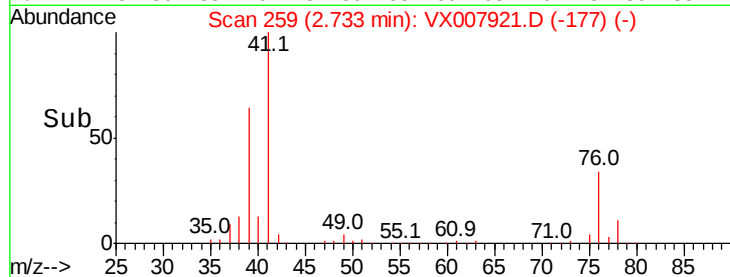
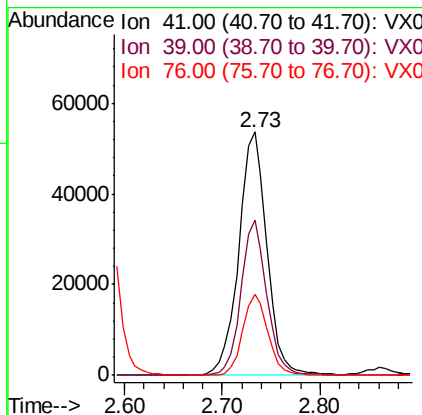
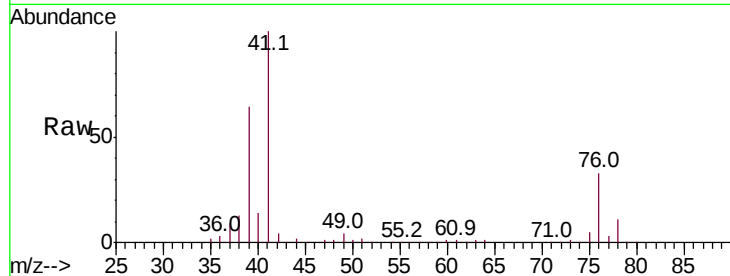
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	107405
Ion Ratio		Lower	Upper
41	100		
39	63.6	35.8	107.4
76	33.3	18.3	54.9

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#18

Methylene Chloride

Concen: 21.521 ug/l

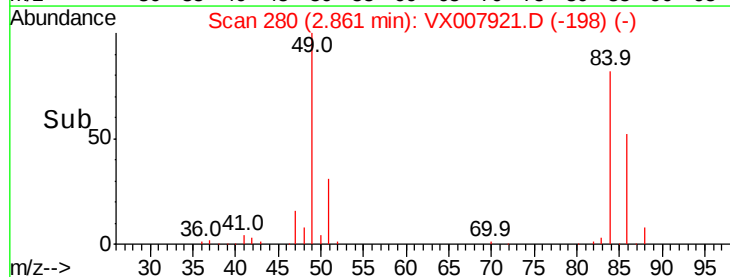
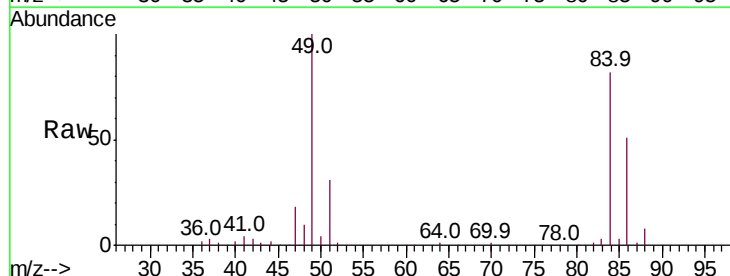
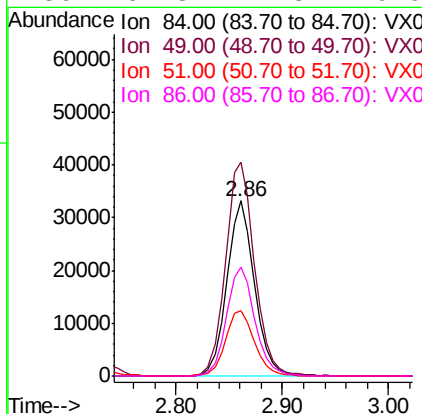
RT: 2.86 min Scan# 280

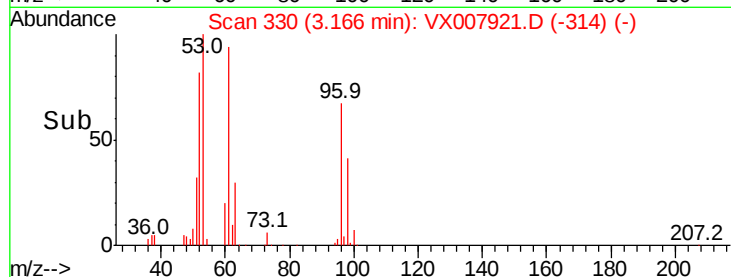
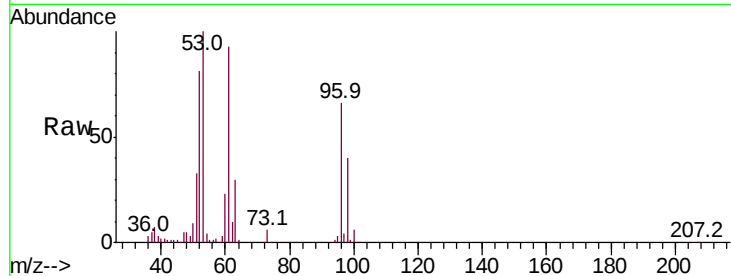
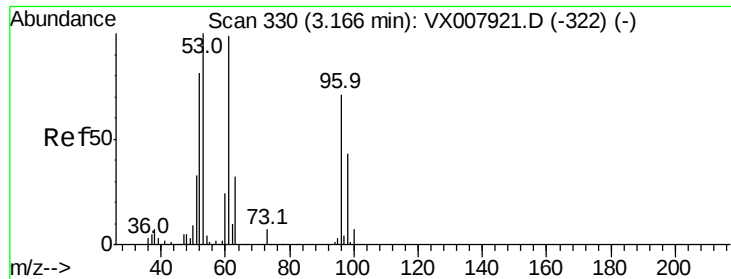
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	84	Resp:	60177
Ion Ratio		Lower	Upper
84	100		
49	122.1	96.1	144.1
51	37.5	29.1	43.7
86	62.3	47.3	70.9





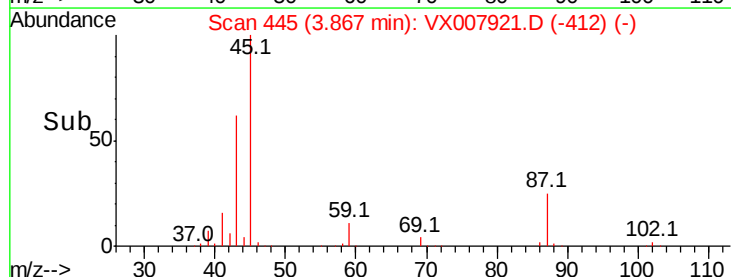
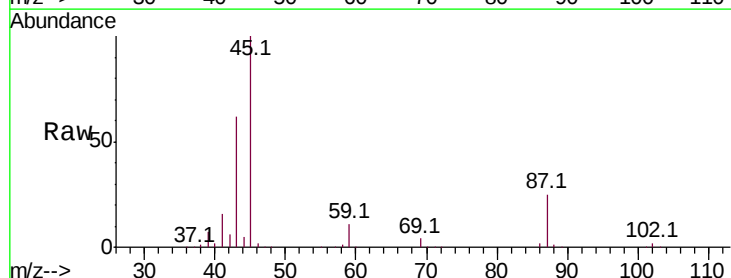
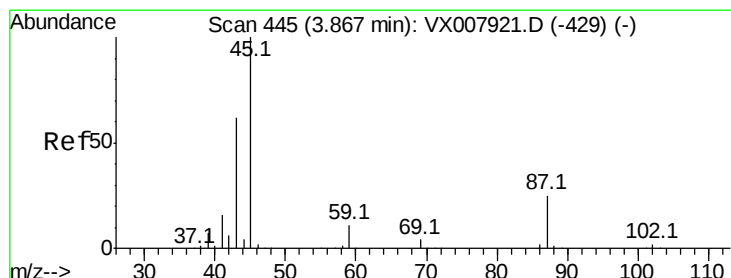
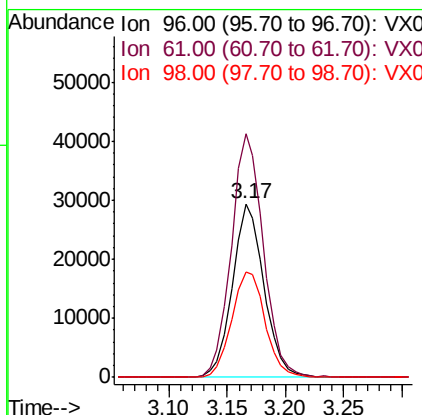
#19
trans-1,2-Dichloroethene
Concen: 20.859 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tot Ion: 96 Resp: 55474
Ion Ratio Lower Upper
96 100
61 140.5 109.9 164.9
98 60.7 50.4 75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

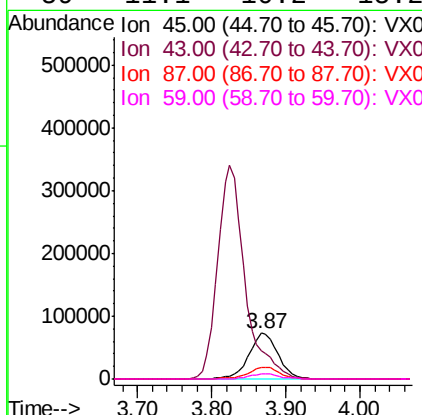
Manual Integrations
APPROVED

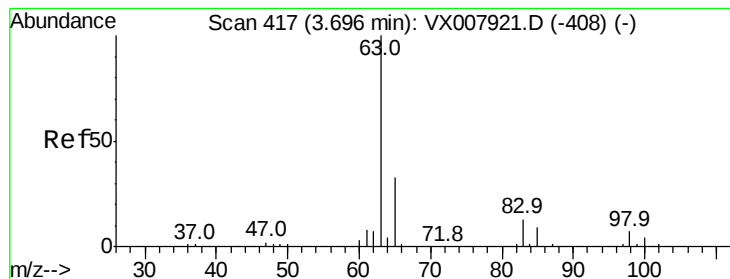
MMDadoda
3/11/2019 9:30:47 AM



#20
Diisopropyl ether
Concen: 24.800 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion: 45 Resp: 199666
Ion Ratio Lower Upper
45 100
43 61.8 50.6 76.0
87 25.4 24.5 36.7
59 11.1 10.2 15.2





#21

1,1-Dichloroethane

Concen: 23.740 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

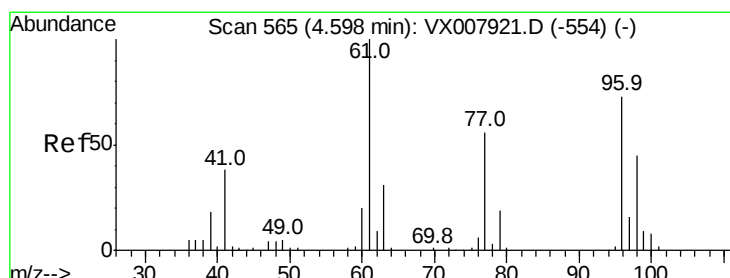
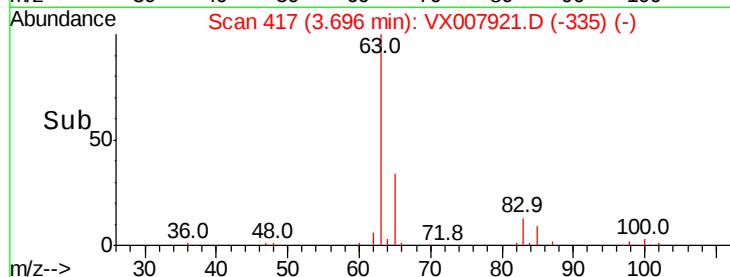
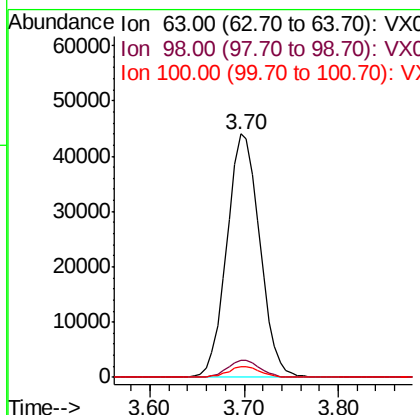
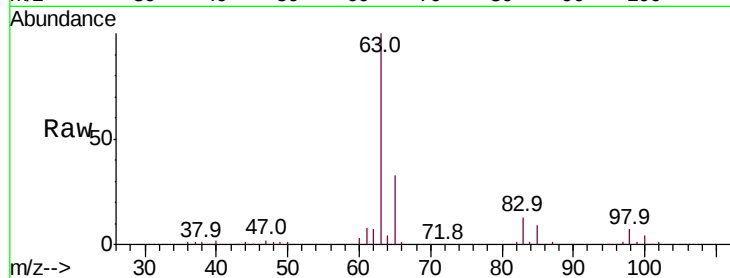
ClientSampleId :

VSTDICCC020

Tot Ion	63	Resp	107156
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.8	11.4
100	4.1	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#22

cis-1,2-Dichloroethene

Concen: 21.460 ug/l

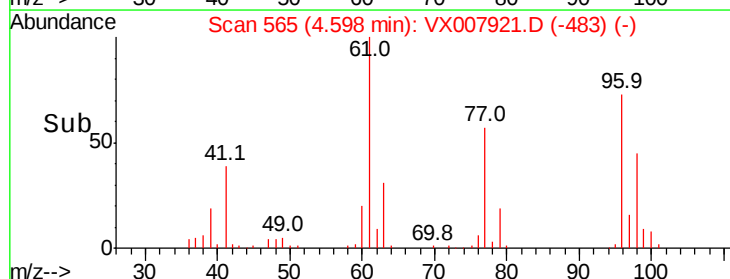
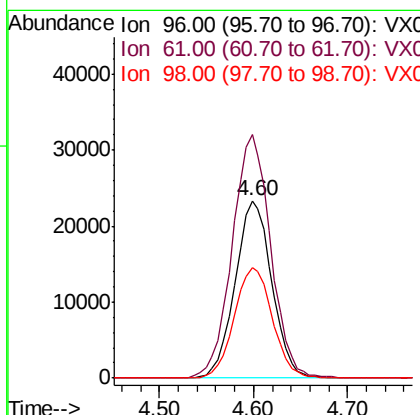
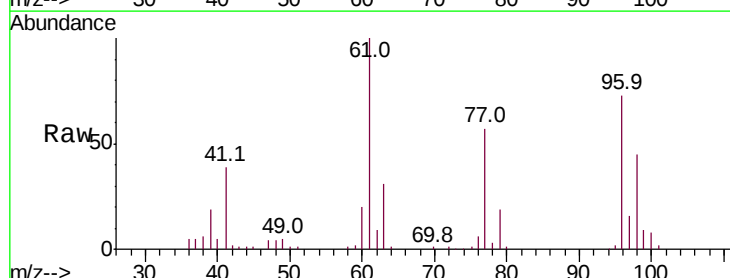
RT: 4.60 min Scan# 565

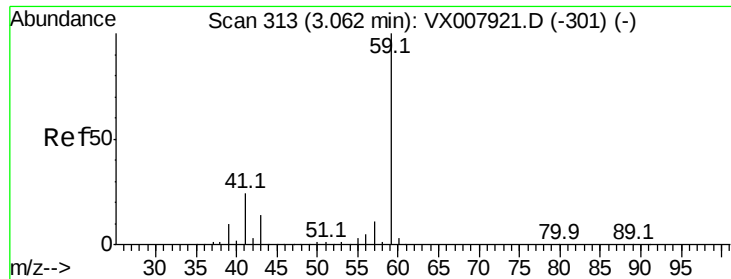
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion	96	Resp	63515
Ion Ratio	Lower	Upper	
96	100		
61	143.7	103.5	155.3
98	64.4	52.1	78.1





#23

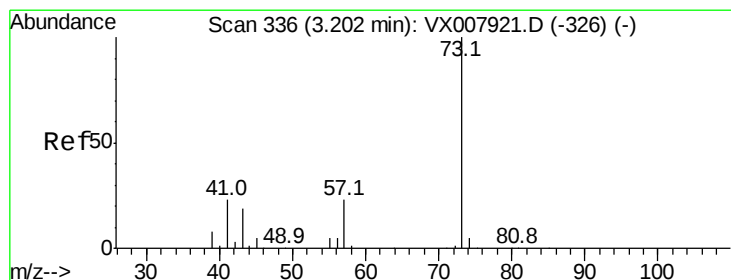
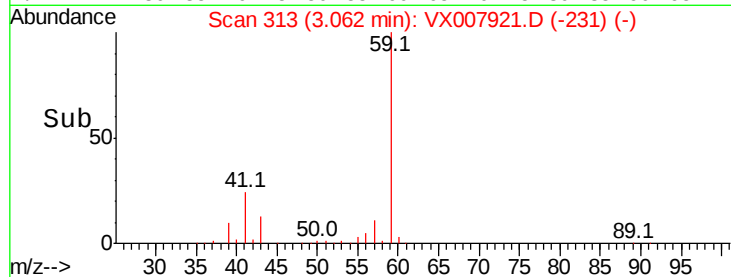
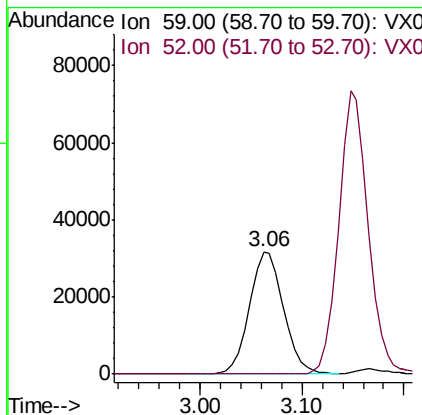
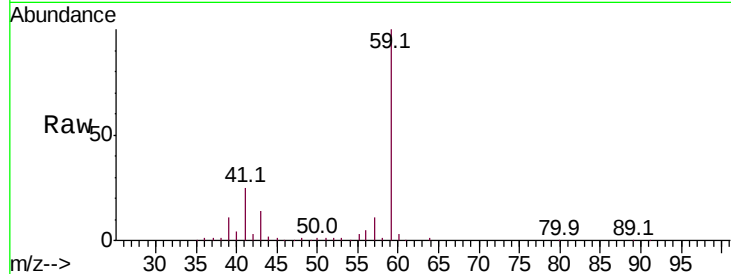
tert-Butyl Alcohol
 Concen: 111.758 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 59 Resp: 74217
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

Manual Integrations
 APPROVED

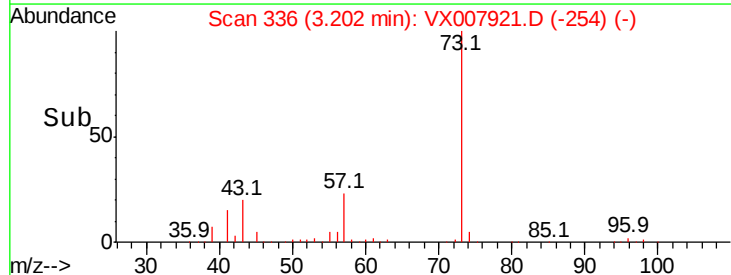
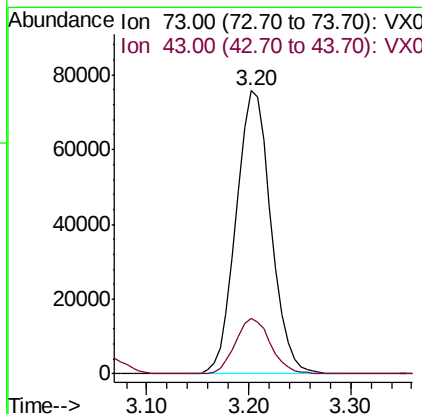
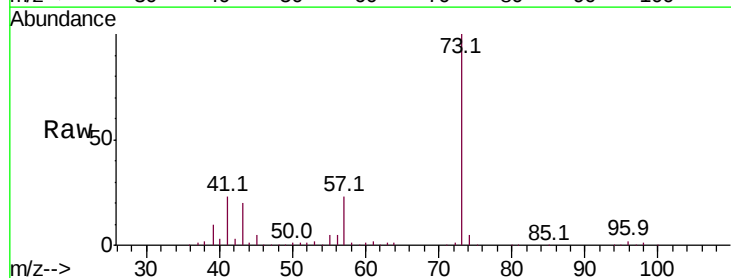
MMDadoda
 3/11/2019 9:30:47 AM

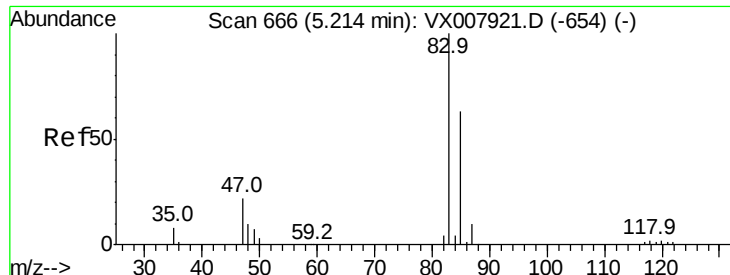


#24

Methyl tert-Butyl Ether
 Concen: 20.849 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion: 73 Resp: 179902
 Ion Ratio Lower Upper
 73 100
 43 19.4 17.1 25.7





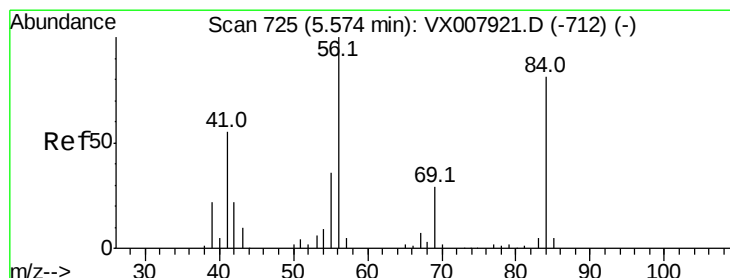
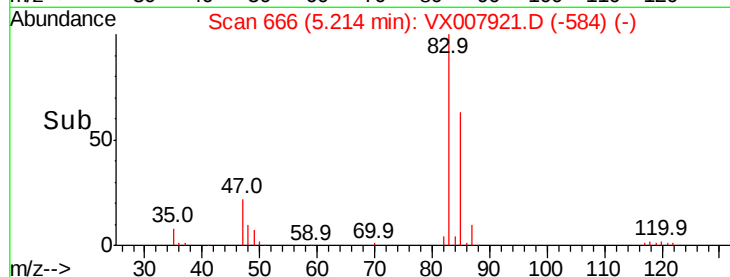
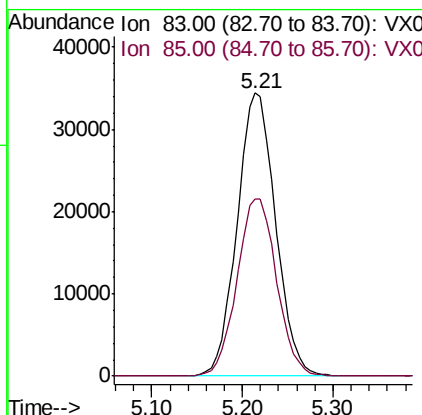
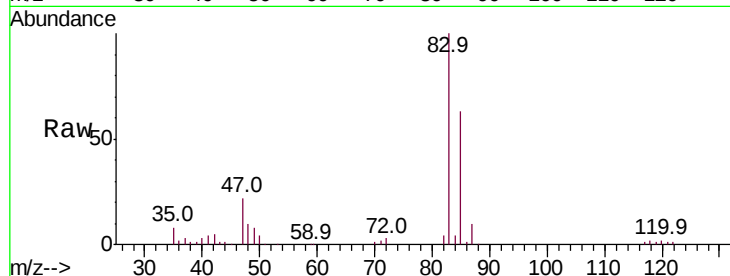
#25
Chloroform
Concen: 21.215 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	101135
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.8	80.6

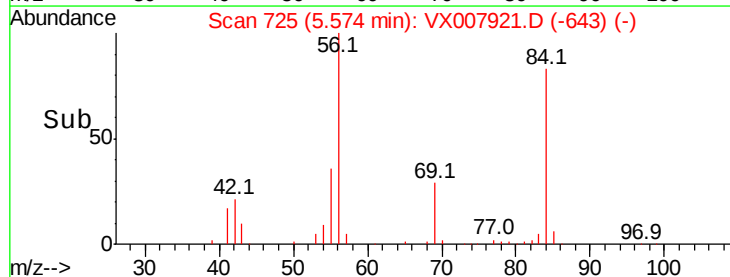
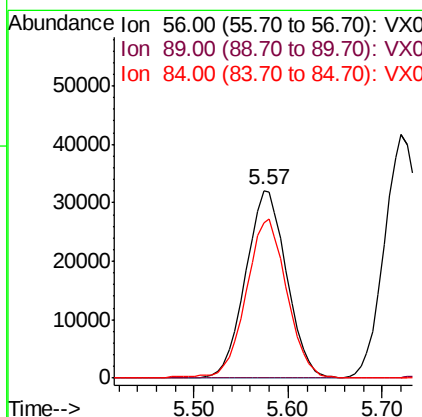
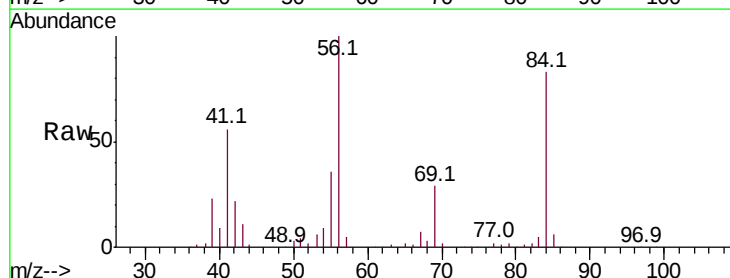
Manual Integrations
APPROVED

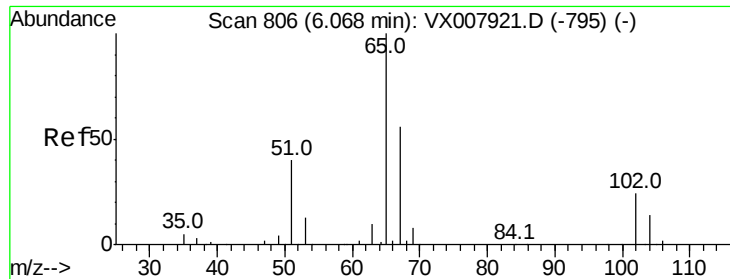
MMDadoda
3/11/2019 9:30:47 AM



#26
Cyclohexane
Concen: 25.868 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	56	Resp	97909
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	83.7	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 30.440 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 89122

Ion Ratio Lower Upper

65 100

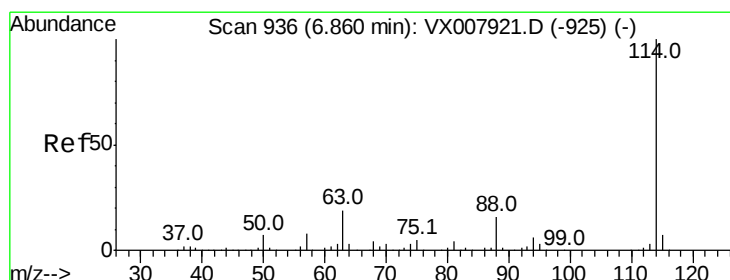
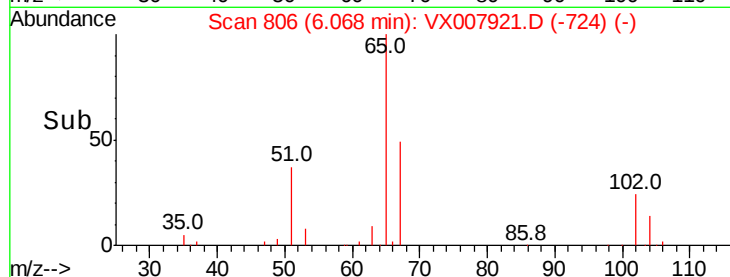
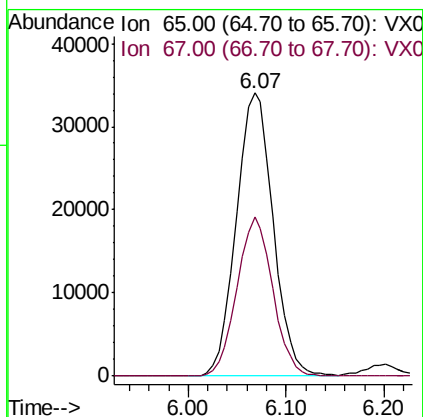
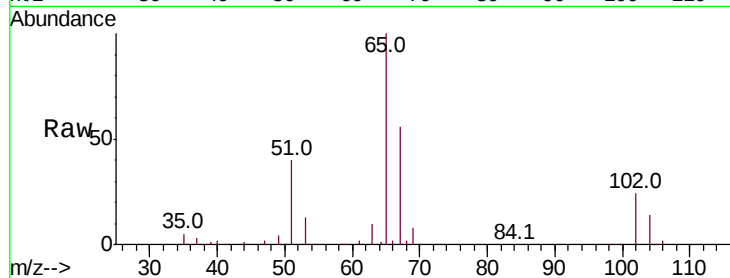
67 54.4 42.9 64.3

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

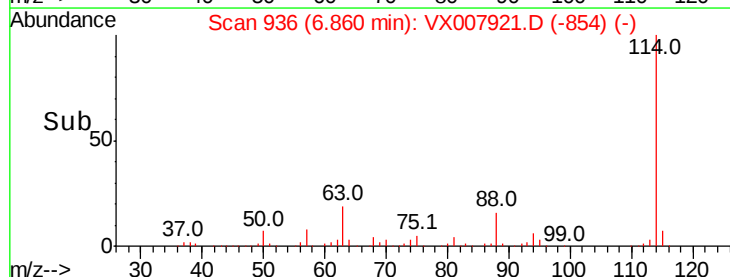
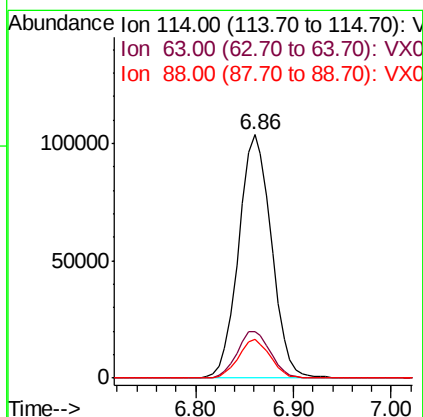
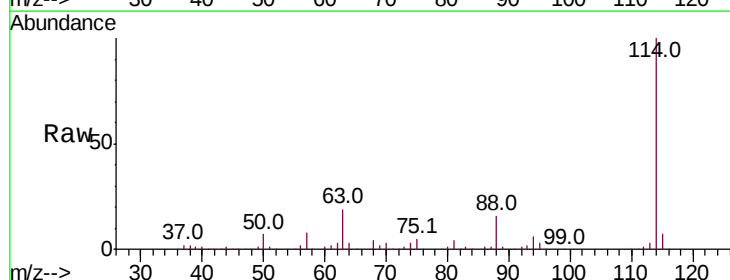
Tgt Ion: 114 Resp: 241473

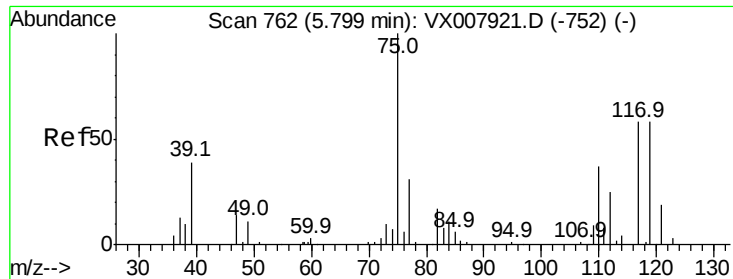
Ion Ratio Lower Upper

114 100

63 19.6 14.2 21.4

88 15.5 11.9 17.9





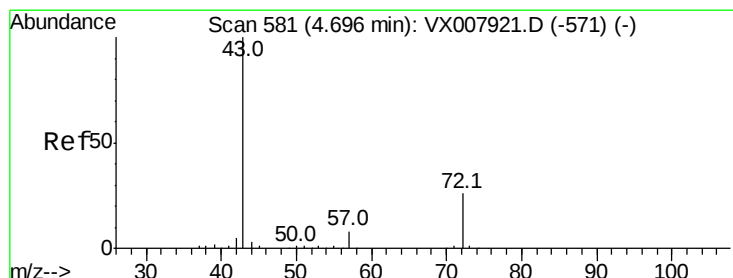
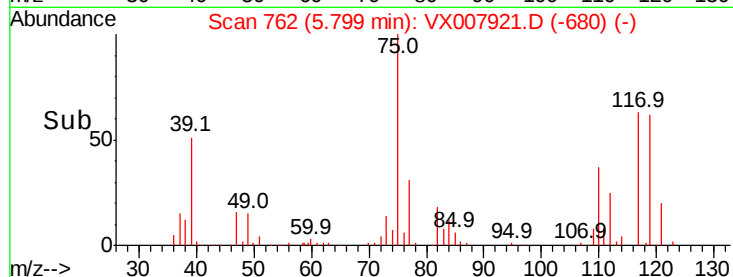
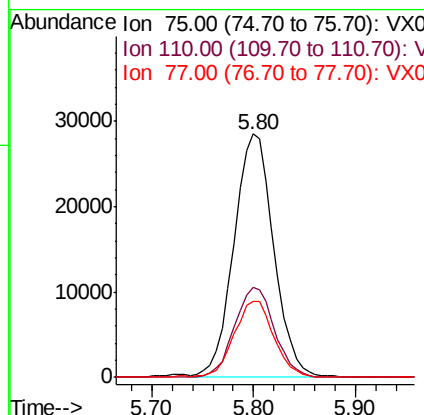
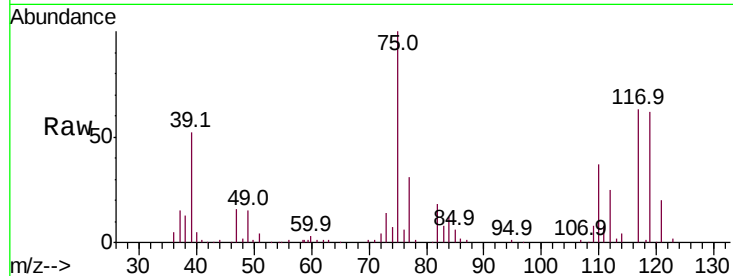
#29
 1,1-Dichloropropene
 Concen: 22.940 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	80.8
77	31.4	0.0	62.4

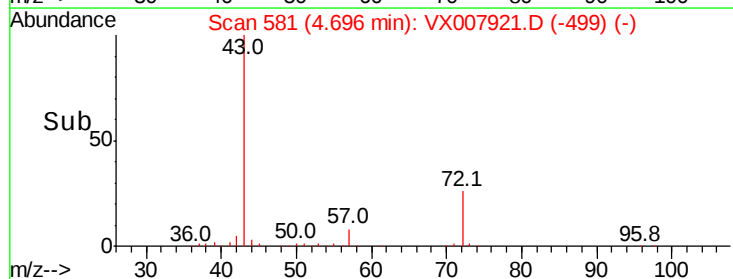
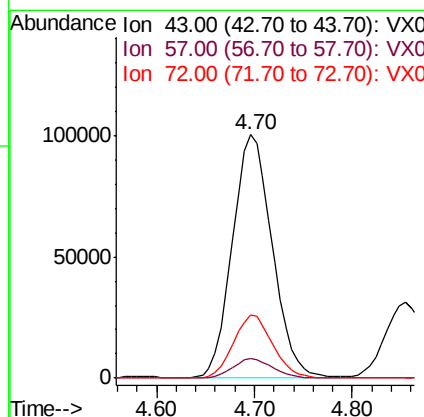
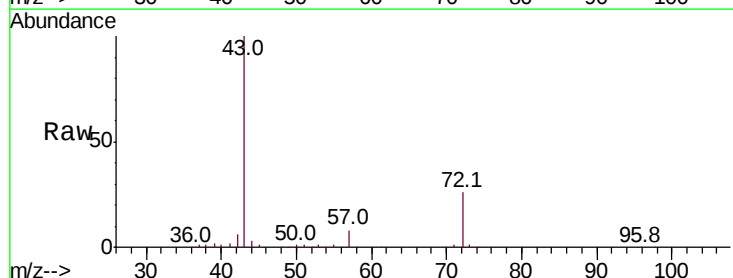
Manual Integrations
 APPROVED

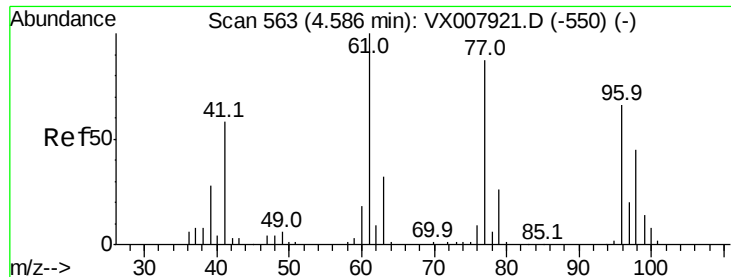
MMDadoda
 3/11/2019 9:30:47 AM



#30
 2-Butanone
 Concen: 142.317 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	7.0	10.6
72	25.7	21.5	32.3





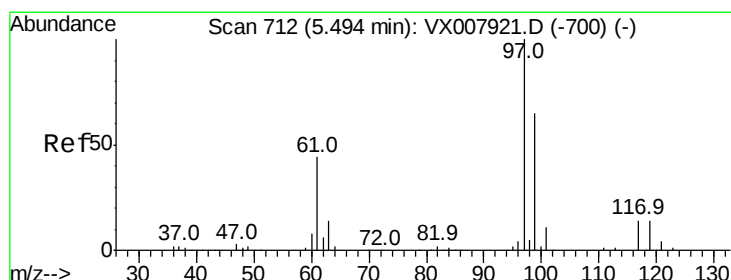
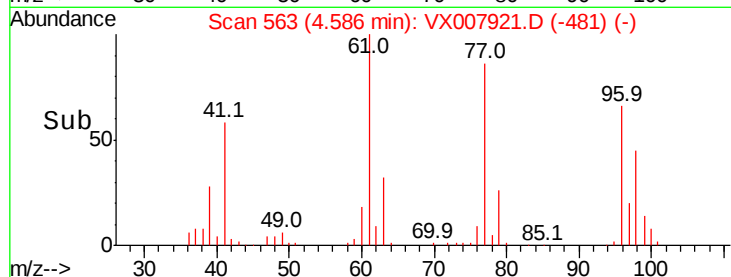
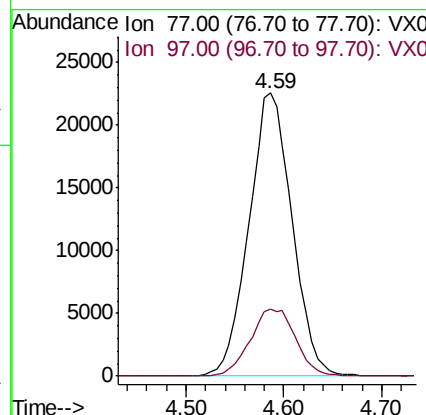
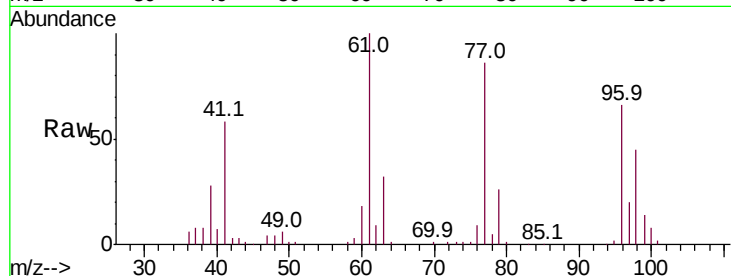
#31
 2,2-Dichloropropane
 Concen: 25.219 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion: 77 Resp: 69014
 Ion Ratio Lower Upper
 77 100
 97 15.3 20.6 31.0#

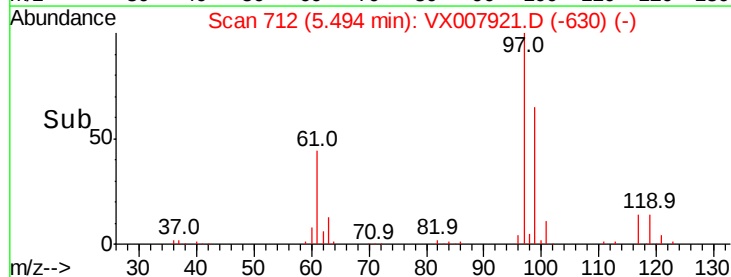
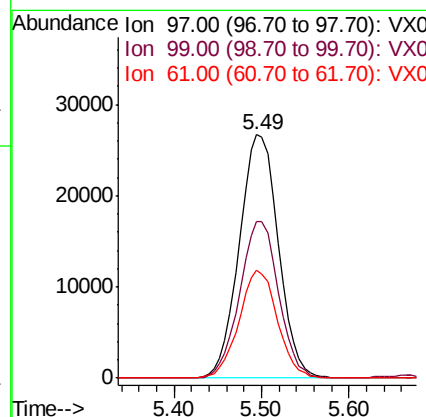
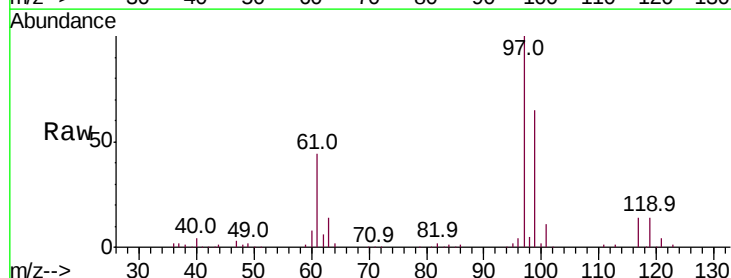
Manual Integrations
 APPROVED

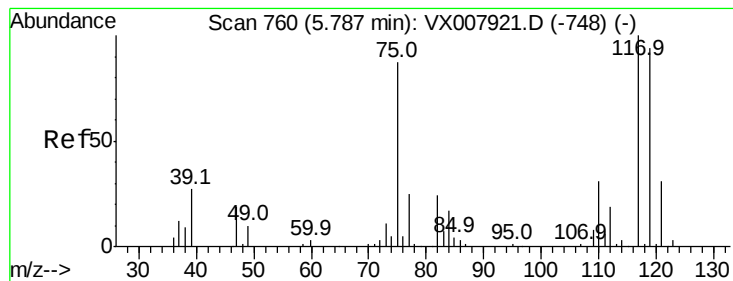
MMDadoda
 3/11/2019 9:30:47 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.586 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion: 97 Resp: 82878
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.7 77.5
 61 43.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 20.417 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:117 Resp: 72662

Ion Ratio Lower Upper

117 100

119 94.1 78.1 117.1

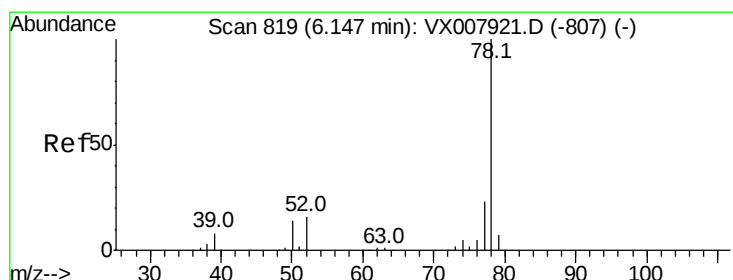
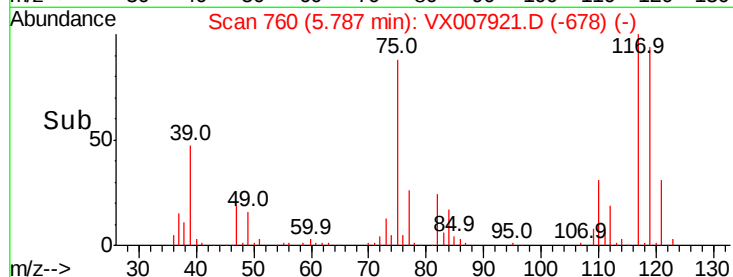
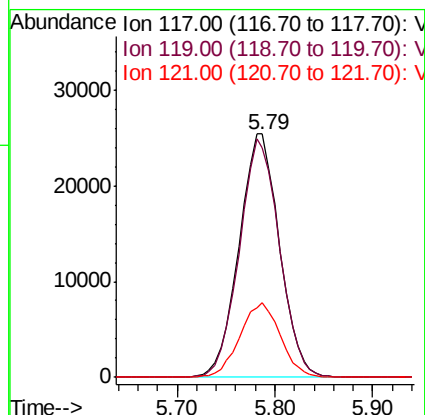
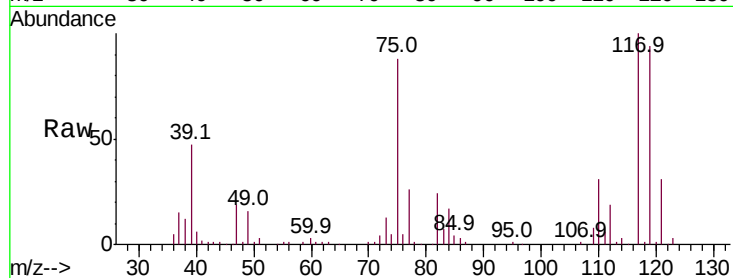
121 30.5 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#34

Benzene

Concen: 22.434 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

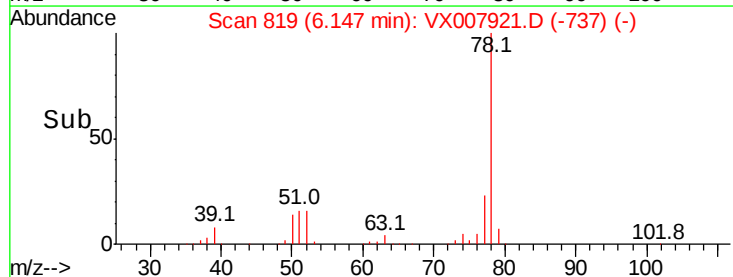
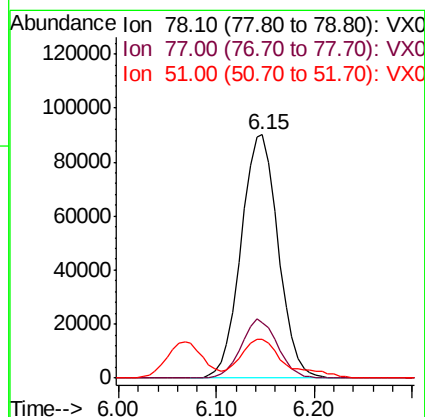
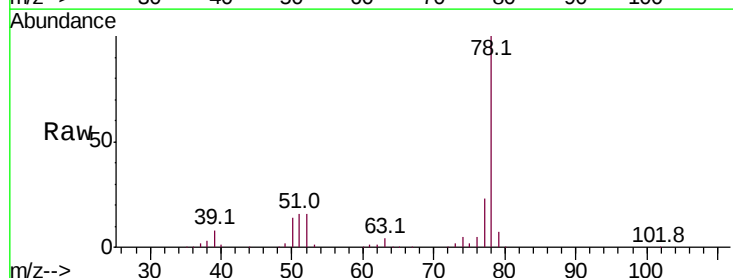
Tgt Ion: 78 Resp: 238219

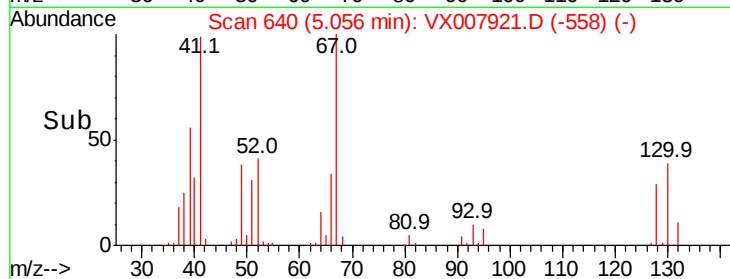
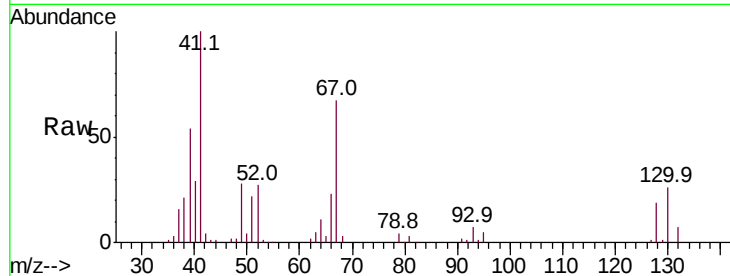
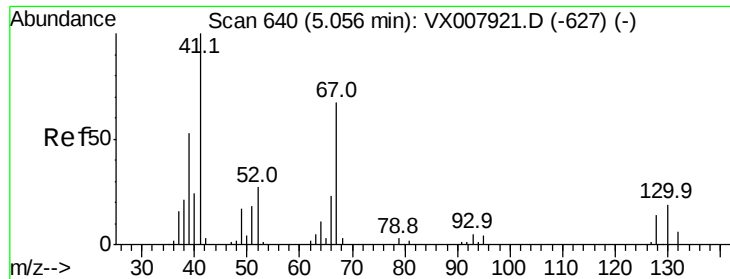
Ion Ratio Lower Upper

78 100

77 22.9 19.1 28.7

51 15.1 10.8 16.2





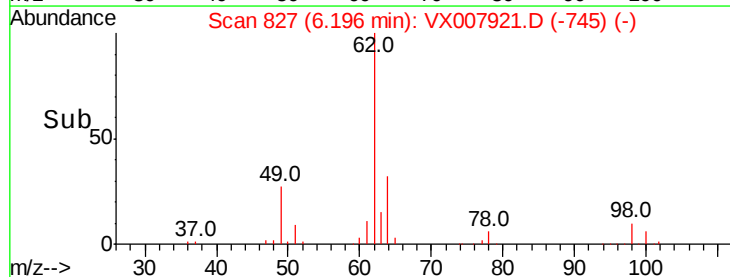
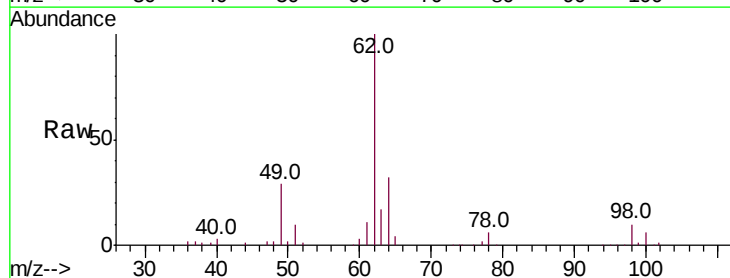
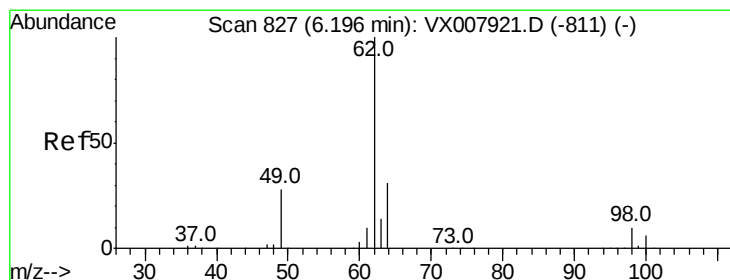
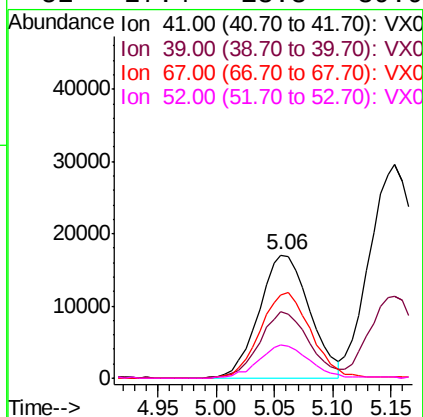
#35
Methacrylonitrile
Concen: 24.781 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	27.4	82.0	
67	67.0	37.9	113.6	
52	27.4	13.3	39.9	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

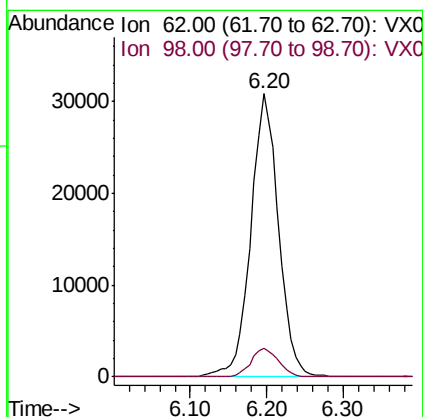
Manual Integrations
APPROVED

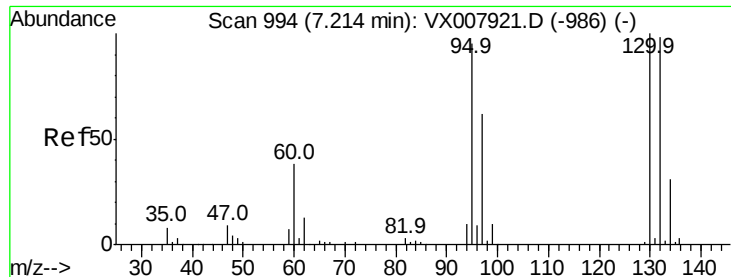
MMDadoda
3/11/2019 9:30:47 AM



#36
1,2-Dichloroethane
Concen: 21.651 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	7.8	11.8	





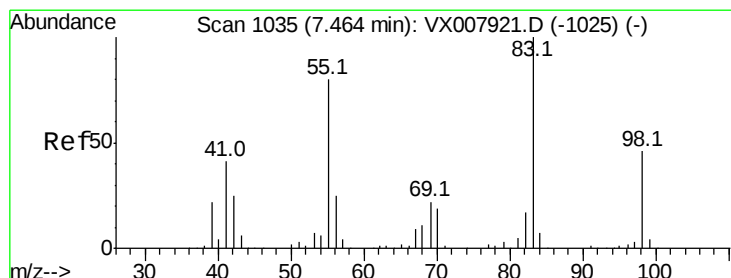
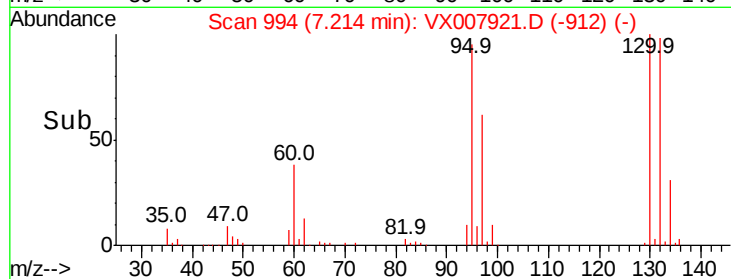
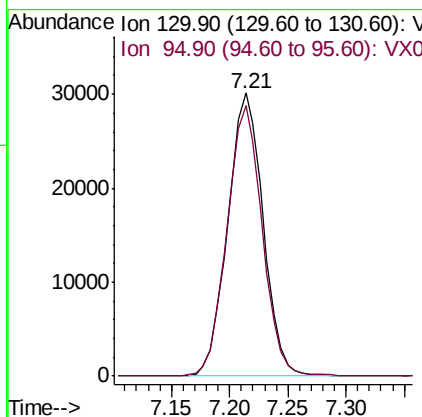
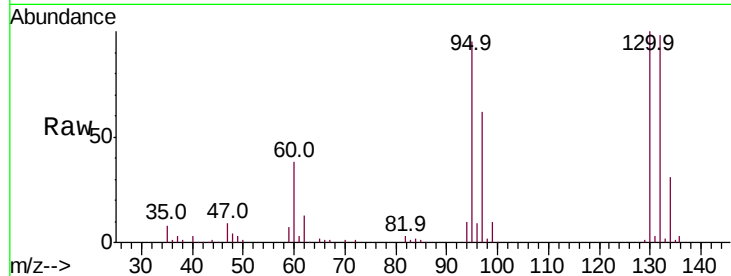
#37
 Trichloroethene
 Concen: 20.822 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 63567
 Ion Ratio Lower Upper
 130 100
 95 95.0 71.3 106.9

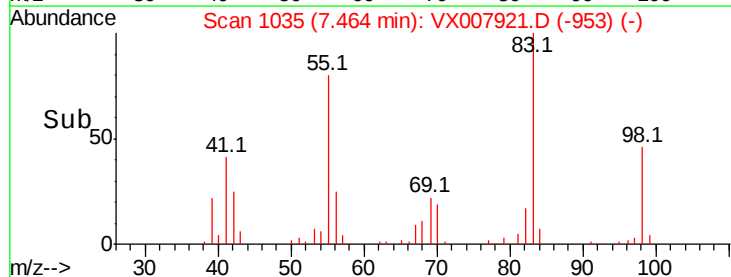
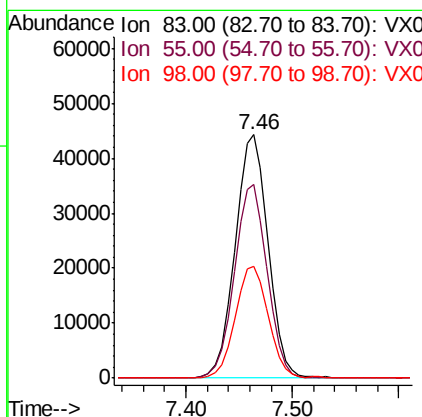
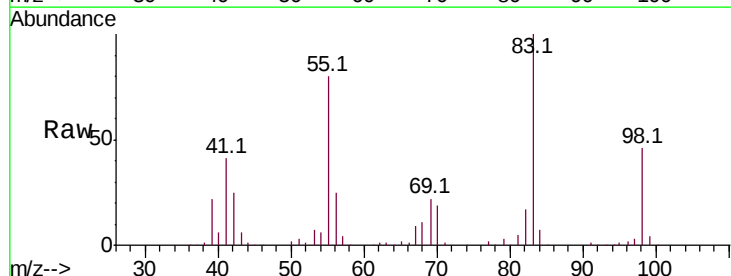
Manual Integrations
 APPROVED

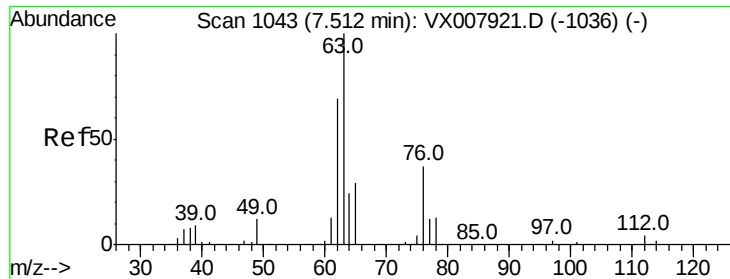
MMDadoda
 3/11/2019 9:30:47 AM



#38
 Methylcyclohexane
 Concen: 24.653 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion: 83 Resp: 96126
 Ion Ratio Lower Upper
 83 100
 55 79.0 36.0 108.0
 98 46.1 23.8 71.4





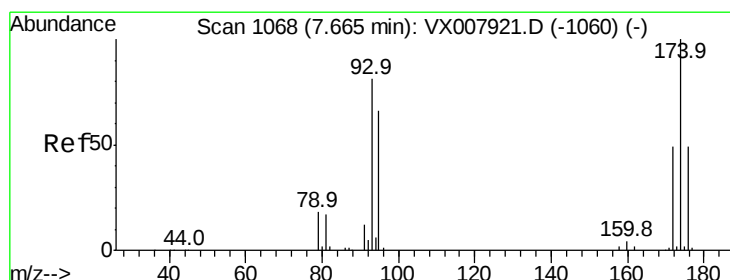
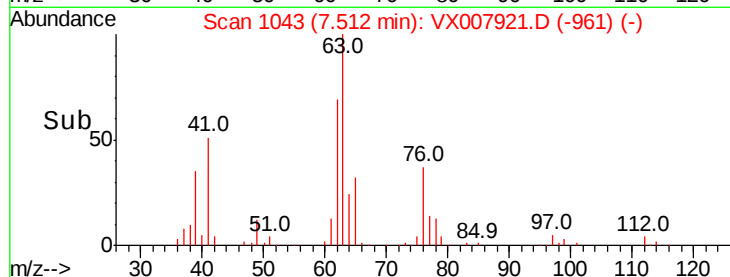
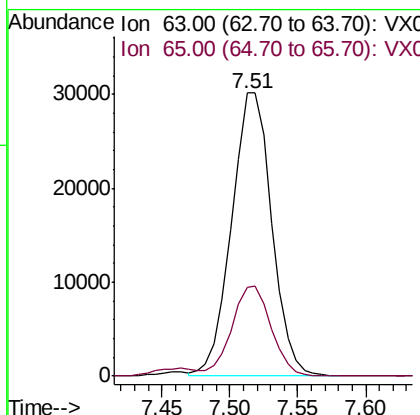
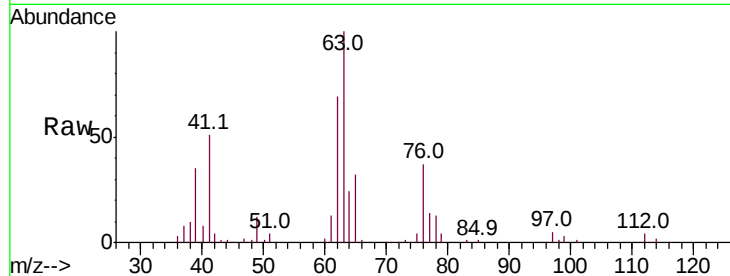
#39
 1,2-Dichloropropane
 Concen: 23.434 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	37.0

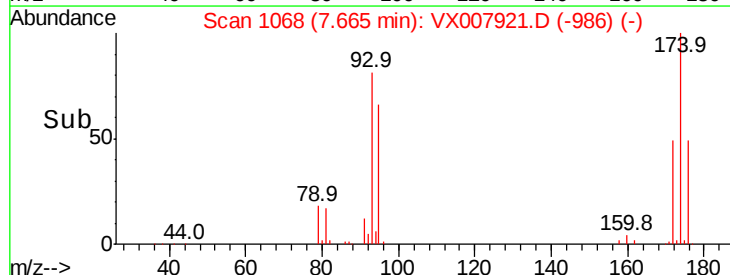
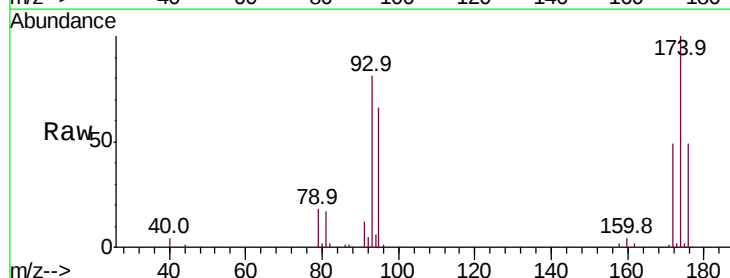
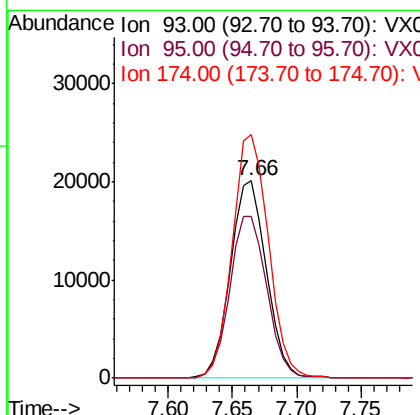
Manual Integrations
 APPROVED

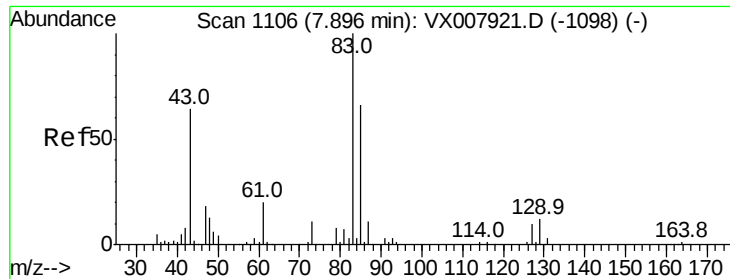
MMDadoda
 3/11/2019 9:30:47 AM



#40
 Dibromomethane
 Concen: 20.464 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	158.8
174	123.9	0.0	224.2





#41

Bromodichloromethane

Concen: 21.549 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

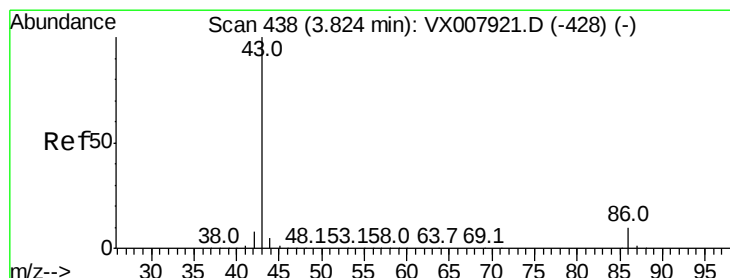
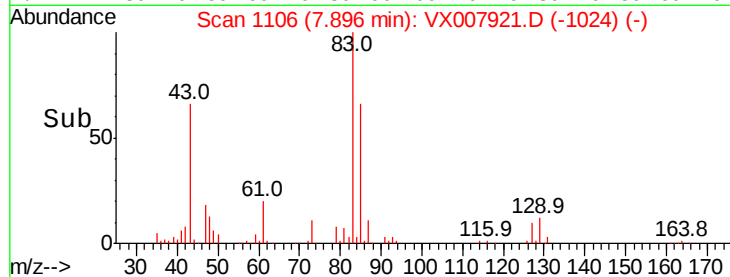
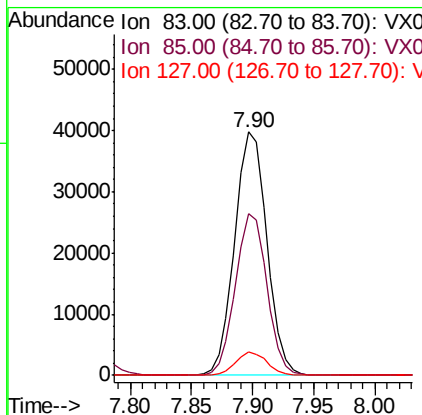
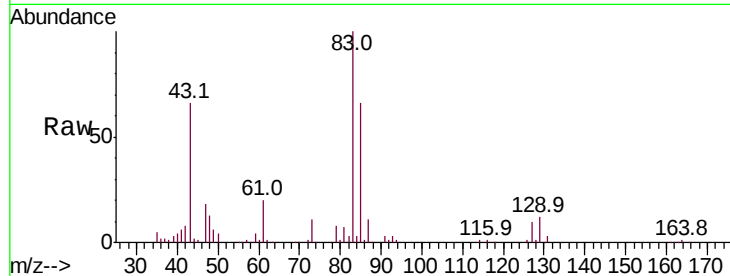
ClientSampled :

VSTDICCC020

Tot Ion:	83	Resp:	72947
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.1	76.7
127	9.5	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#42

Vinyl Acetate

Concen: 124.838 ug/l

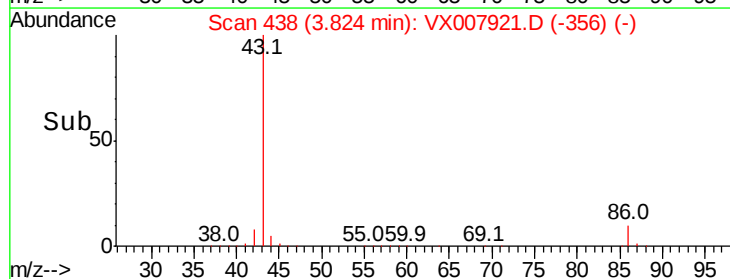
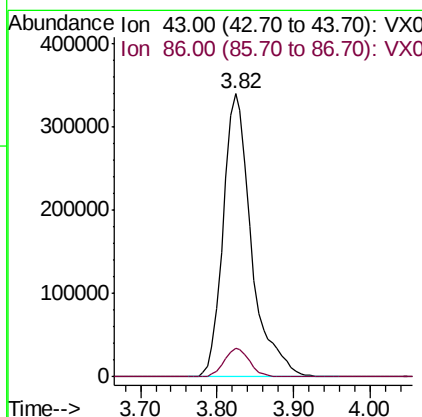
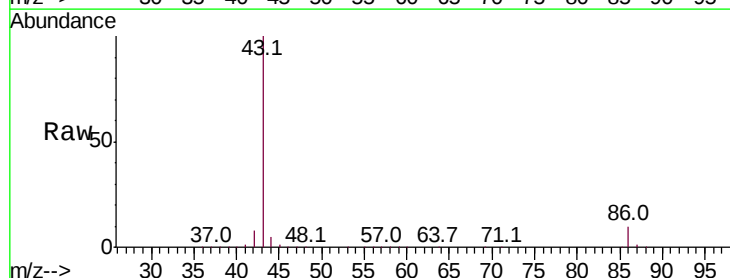
RT: 3.82 min Scan# 438

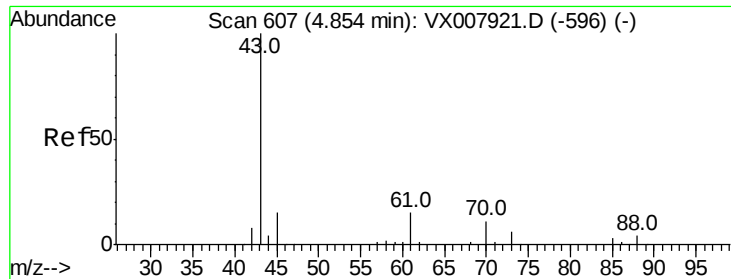
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	43	Resp:	871013
Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.2	12.2





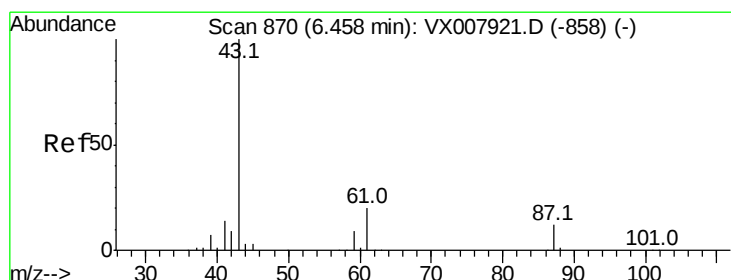
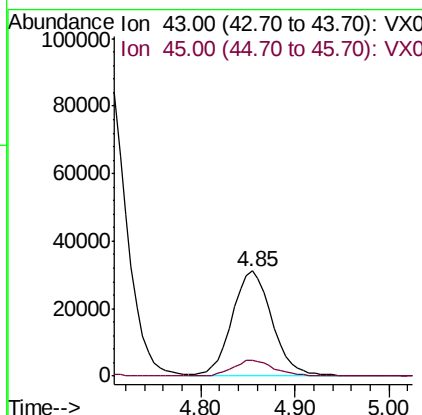
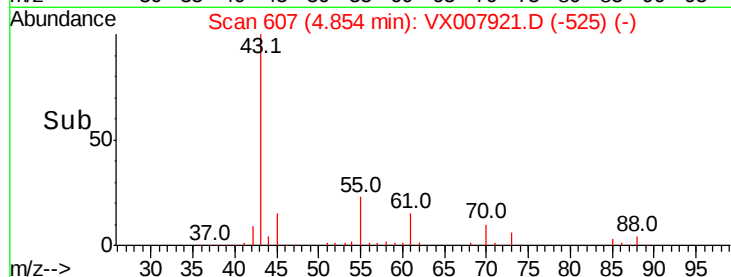
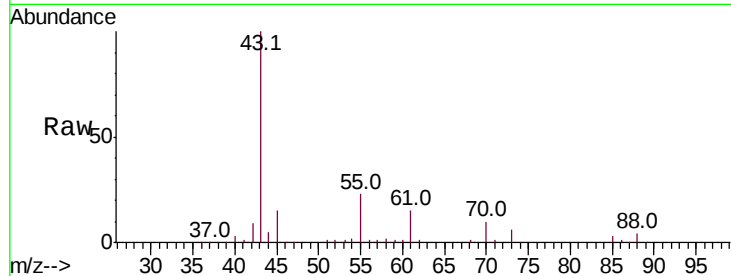
#43
Ethyl Acetate
Concen: 24.049 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC020

Tot Ion: 43 Resp: 91802
Ion Ratio Lower Upper
43 100
45 15.2 6.9 10.3#

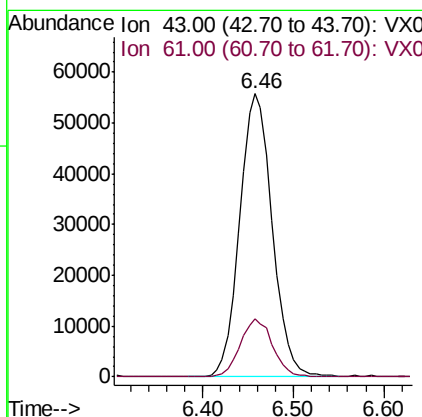
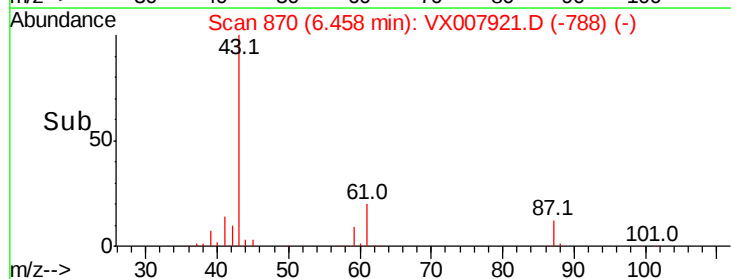
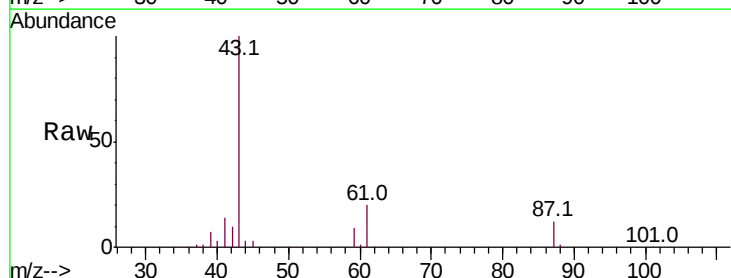
Manual Integrations
APPROVED

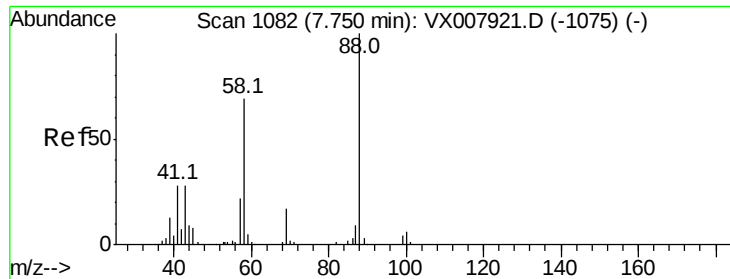
MMDadoda
3/11/2019 9:30:47 AM



#44
Isopropyl Acetate
Concen: 23.553 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion: 43 Resp: 138817
Ion Ratio Lower Upper
43 100
61 20.4 16.1 24.1





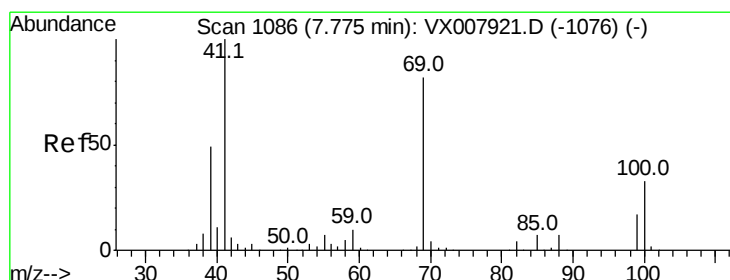
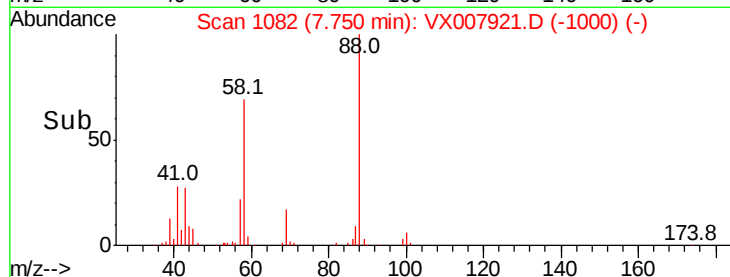
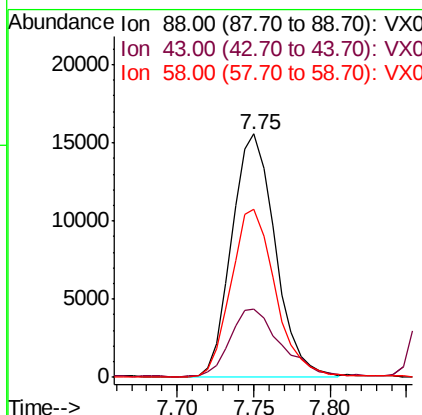
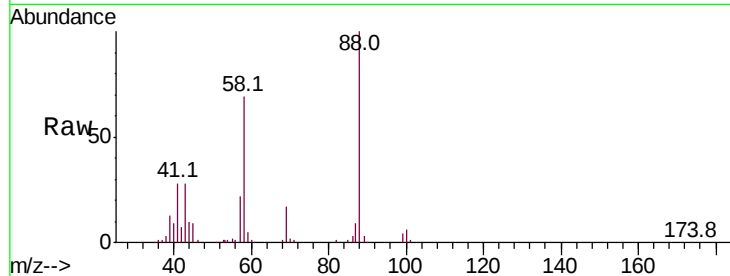
#45
1,4-Dioxane
Concen: 442.569 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	23.6	35.4
58	70.3	51.6	77.4

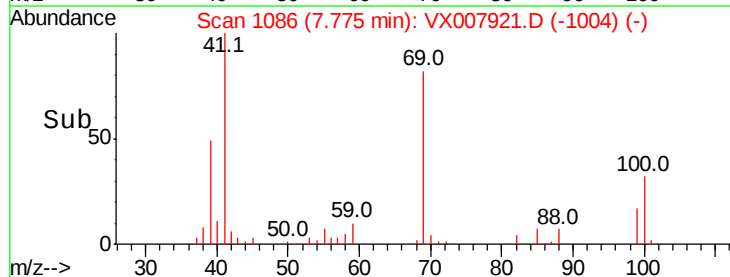
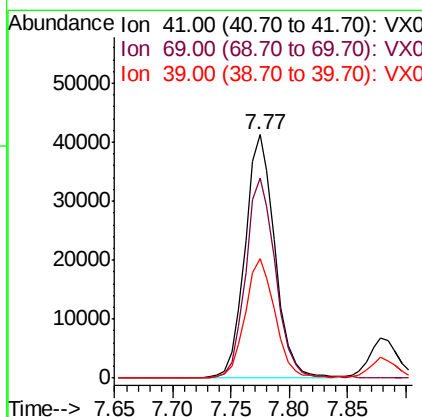
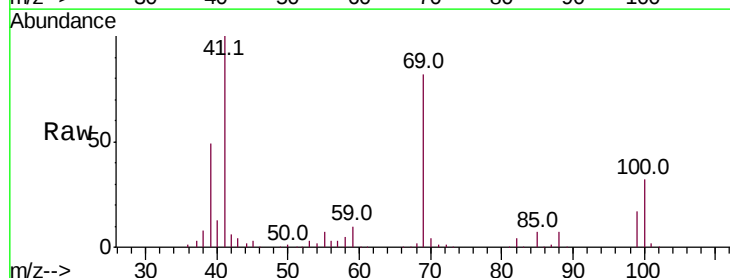
Manual Integrations
APPROVED

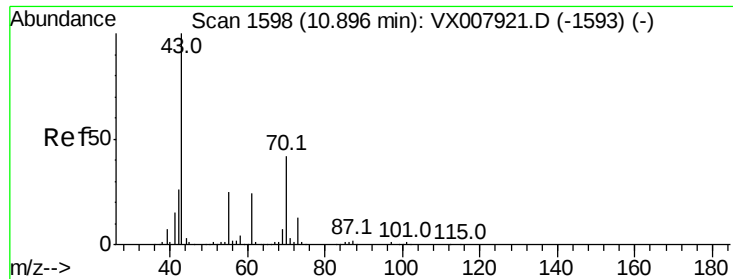
MMDadoda
3/11/2019 9:30:47 AM



#46
Methyl methacrylate
Concen: 24.720 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	44.2	132.6
39	49.1	29.9	89.8





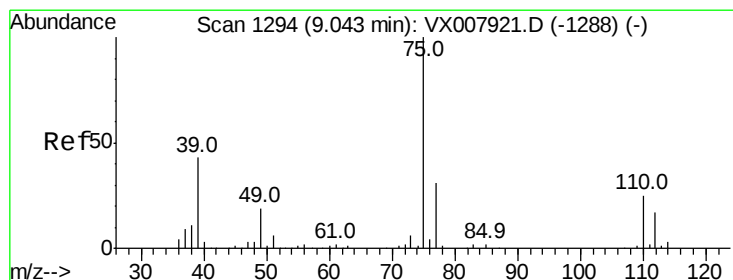
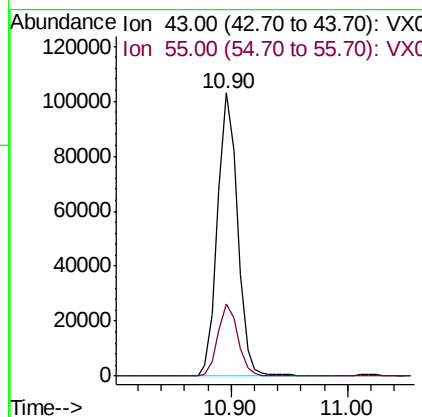
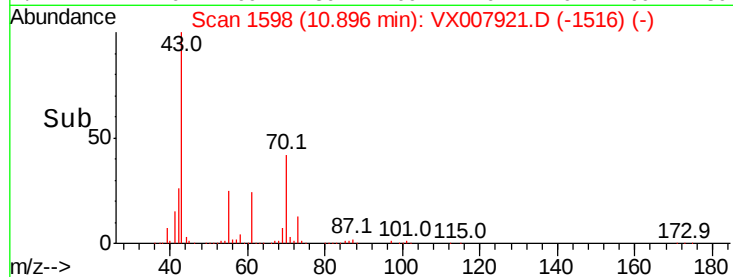
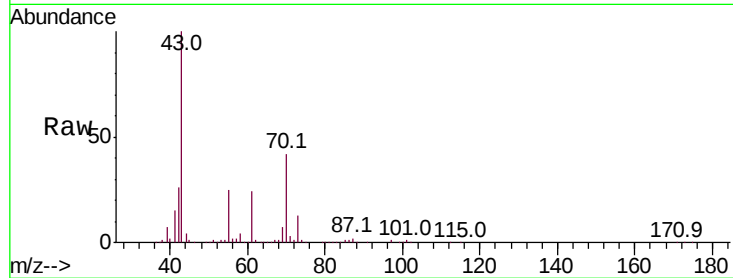
#47
n-amvl Acetate
Concen: 23.445 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	Ratio	100	Resp	121791
Ion	43	100		Lower	Upper
	55	25.3		20.8	31.2

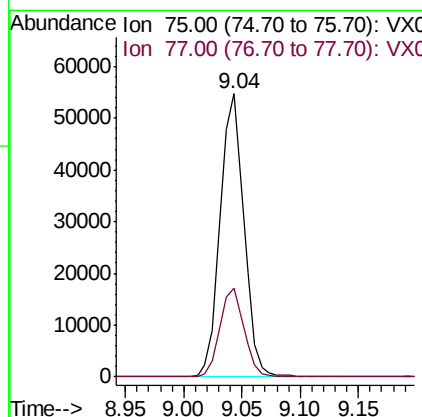
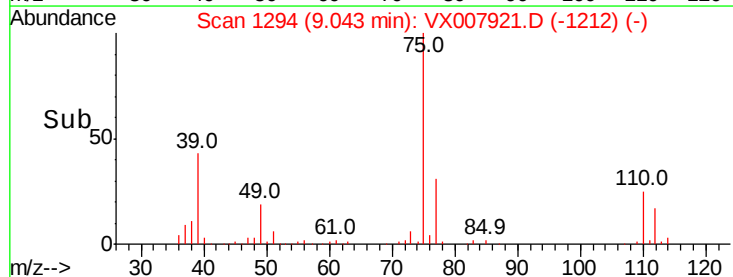
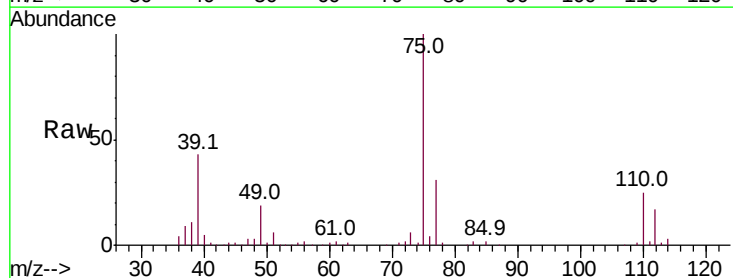
Manual Integrations
APPROVED

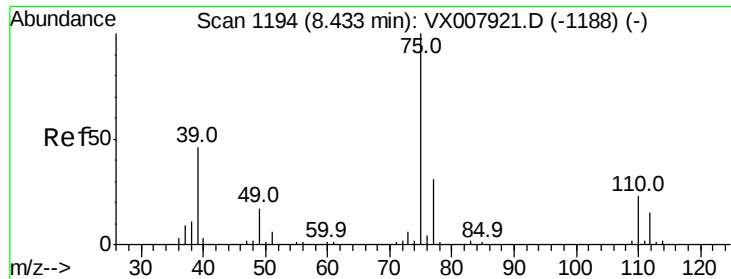
MMDadoda
3/11/2019 9:30:47 AM



#48
t-1,3-Dichloropropene
Concen: 22.092 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	75	Ratio	100	Resp	77203
Ion	75	100		Lower	Upper
	77	31.2		24.5	36.7





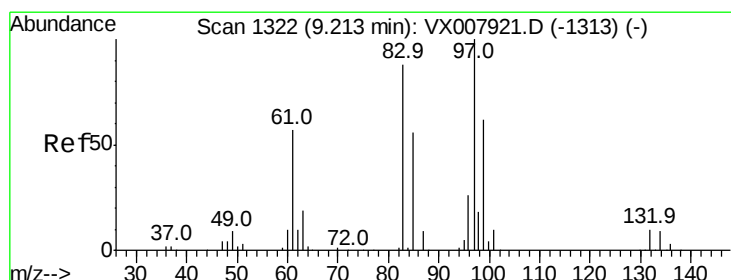
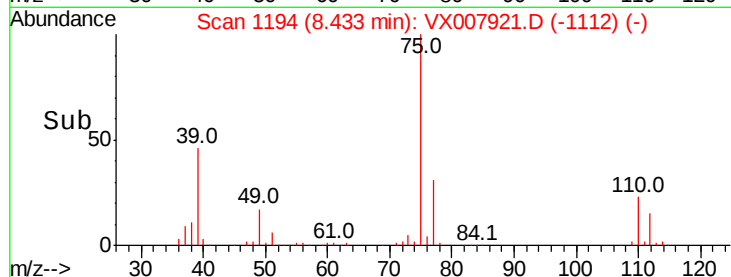
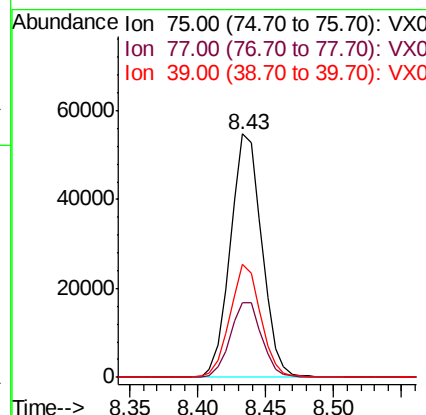
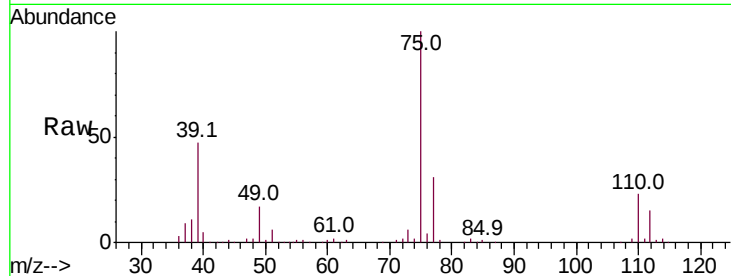
#49
 cis-1,3-Dichloropropene
 Concen: 22.701 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	46.4	38.5	57.7

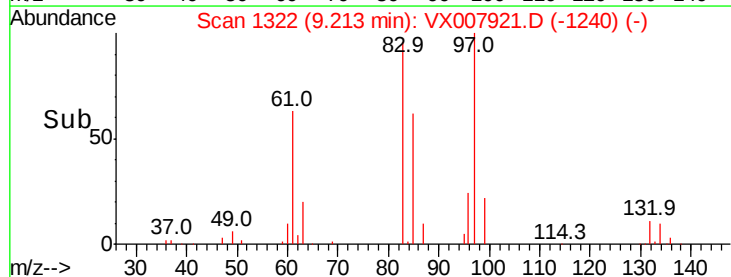
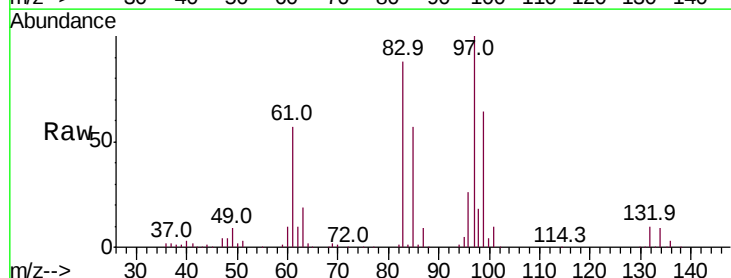
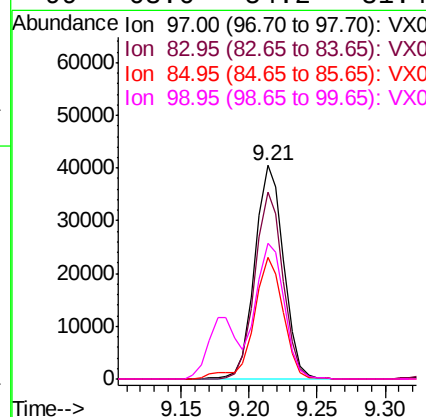
Manual Integrations
 APPROVED

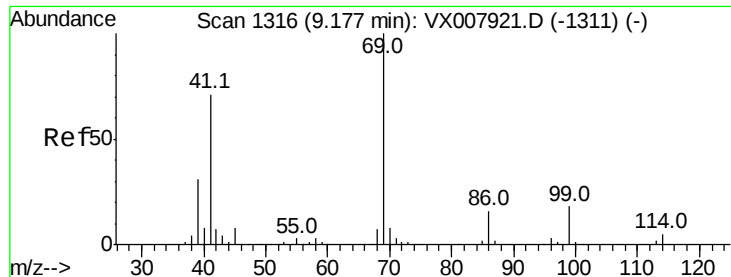
MMDadoda
 3/11/2019 9:30:47 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.770 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	72.0	108.0
85	56.6	45.0	67.6
99	63.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 22.606 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

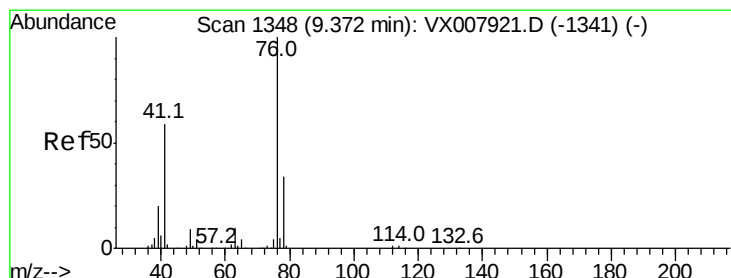
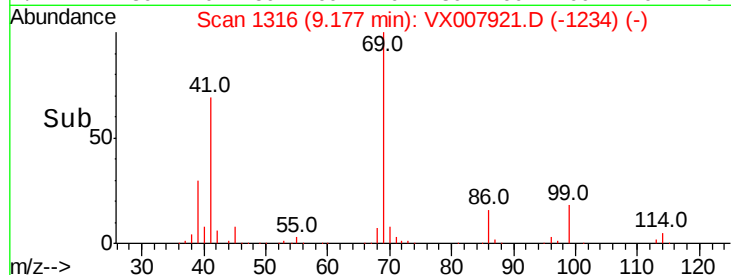
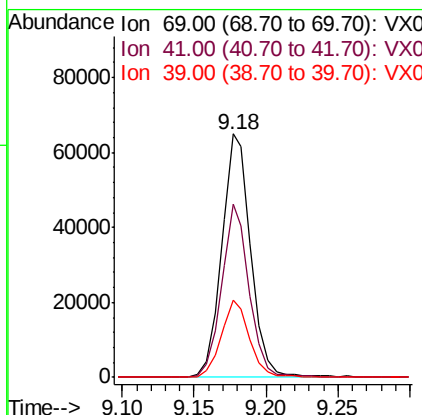
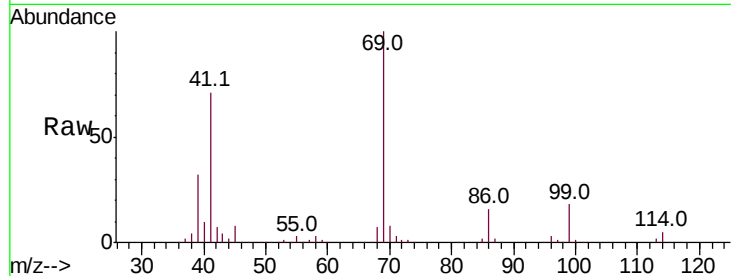
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	91153
Ion Ratio	Lower	Upper	
69	100		
41	70.7	32.1	96.5
39	31.4	18.8	56.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#52

1,3-Dichloropropane

Concen: 22.414 ug/l

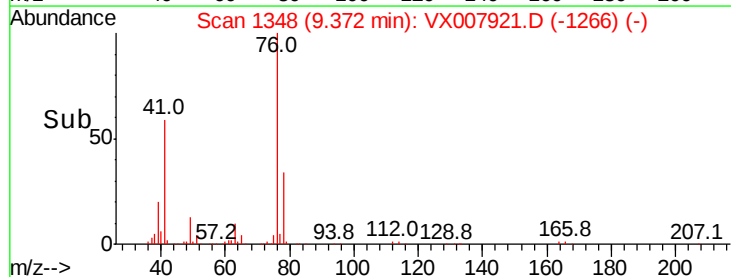
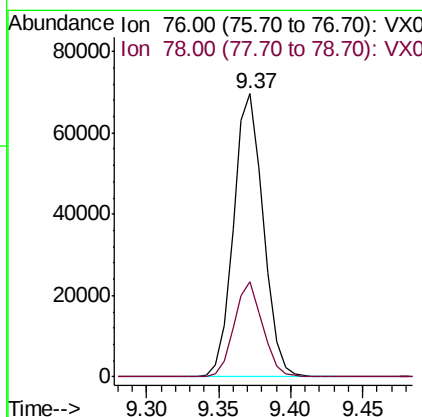
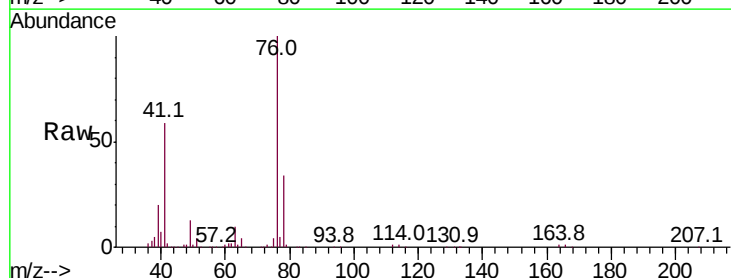
RT: 9.37 min Scan# 1348

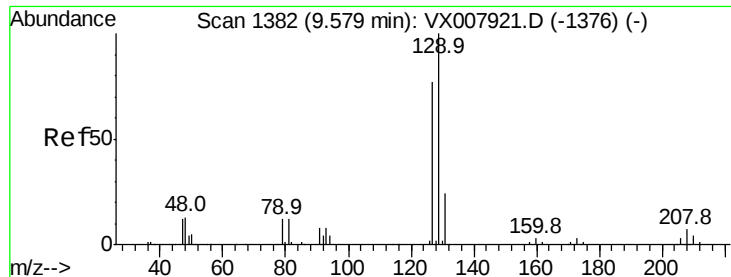
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	76	Resp:	100556
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	65.2





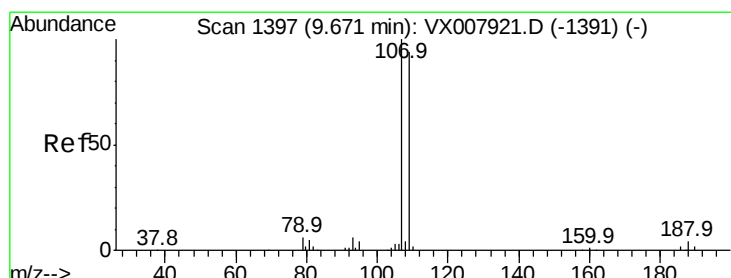
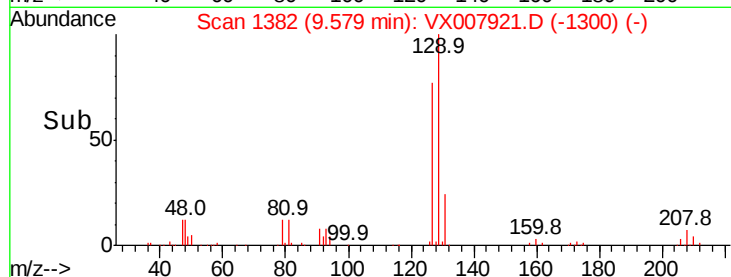
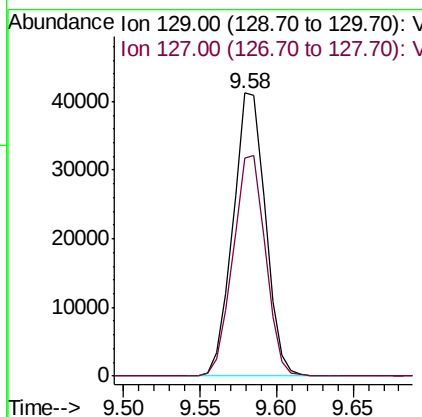
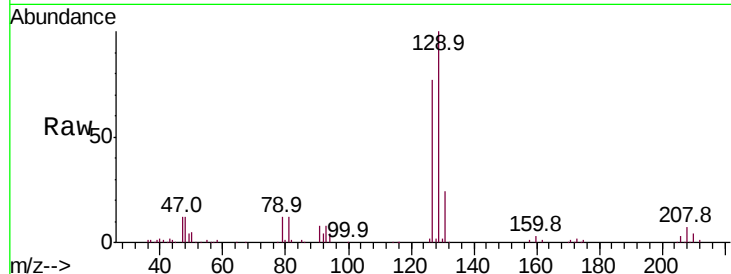
#53
Dibromochloromethane
Concen: 20.976 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 60679
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2

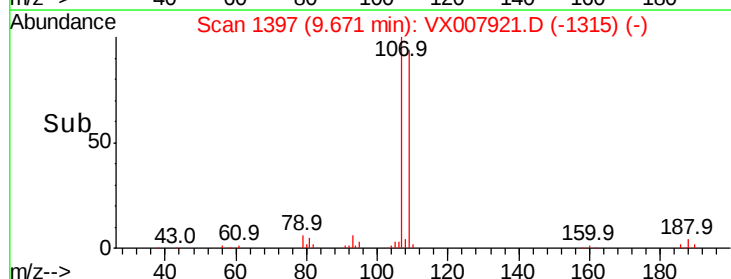
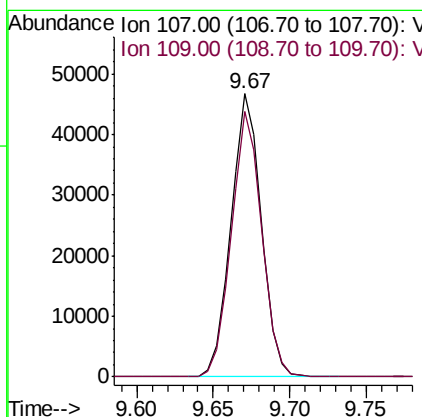
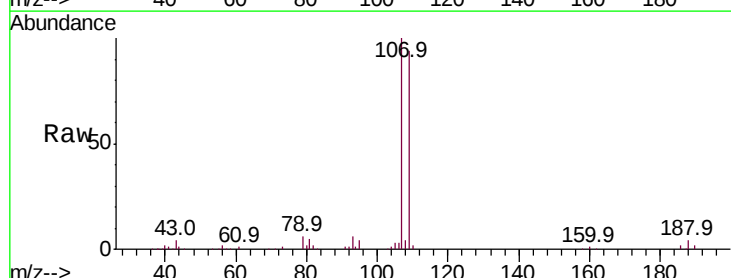
Manual Integrations
APPROVED

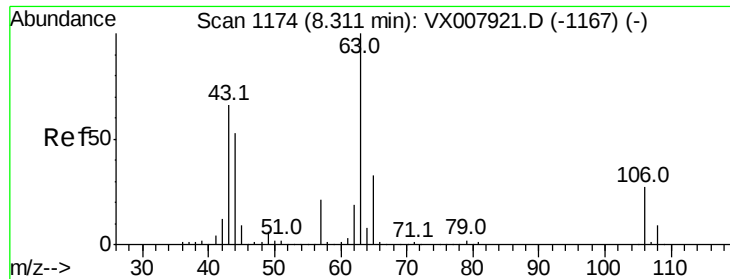
MMDadoda
3/11/2019 9:30:47 AM



#54
1,2-Dibromoethane
Concen: 21.007 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion:107 Resp: 63978
Ion Ratio Lower Upper
107 100
109 93.9 76.6 115.0





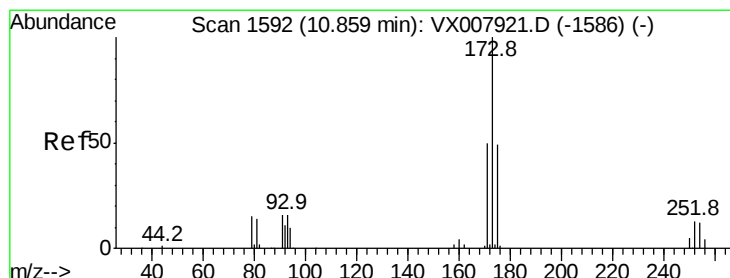
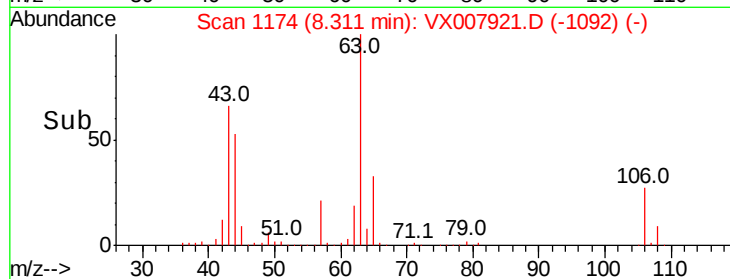
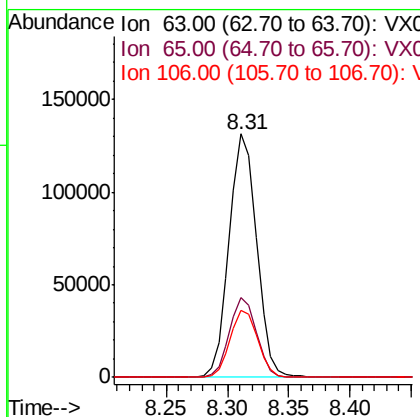
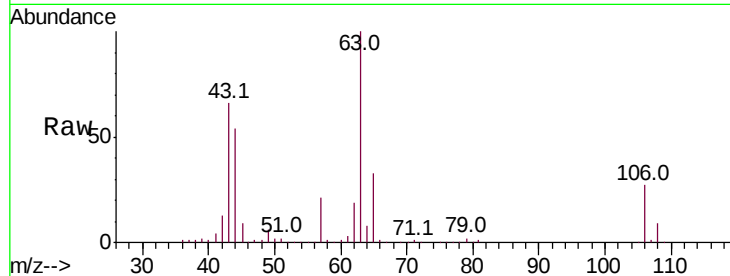
#55
2-Chloroethyl vinyl ether
Concen: 99.695 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5
106	27.8	23.7	35.5

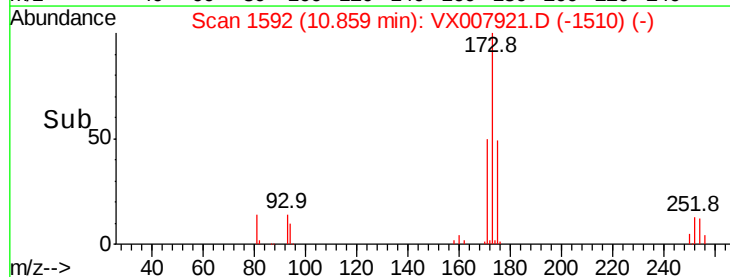
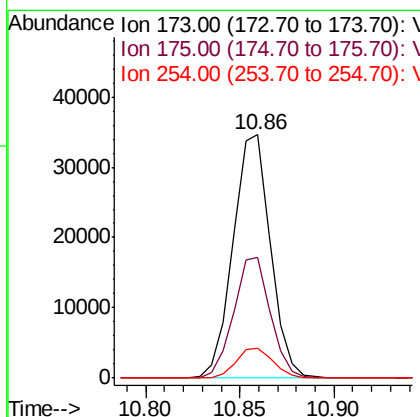
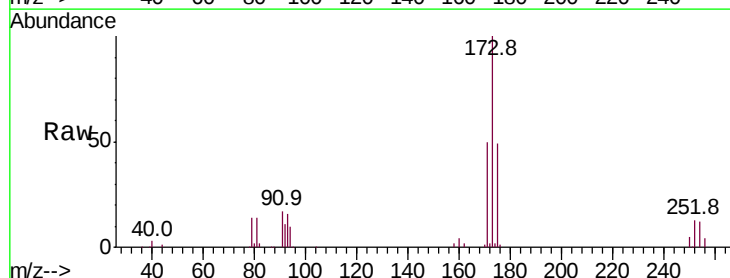
Manual Integrations
APPROVED

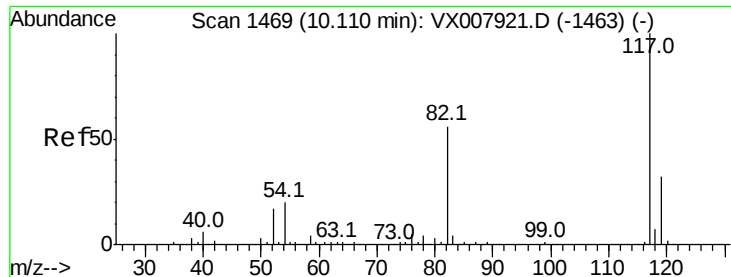
MMDadoda
3/11/2019 9:30:47 AM



#56
Bromoform
Concen: 21.836 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.5	57.7
254	12.2	7.4	11.2#





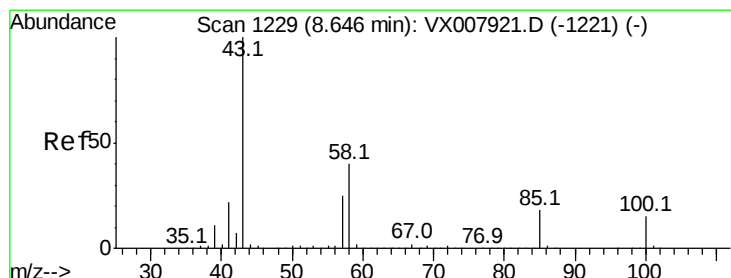
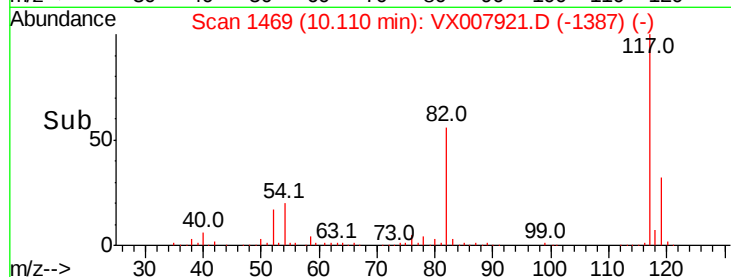
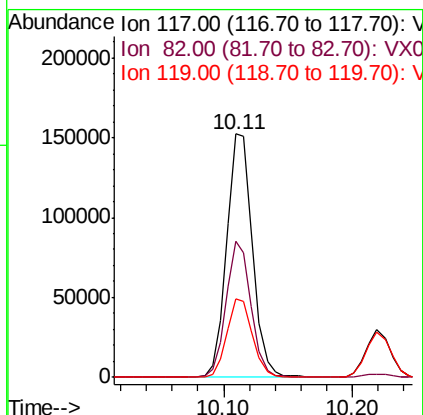
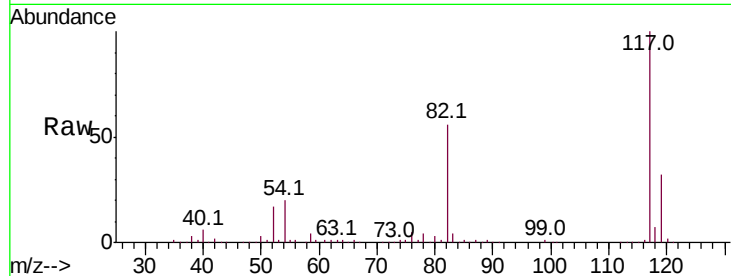
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	40.4	60.6
119	32.1	25.8	38.6

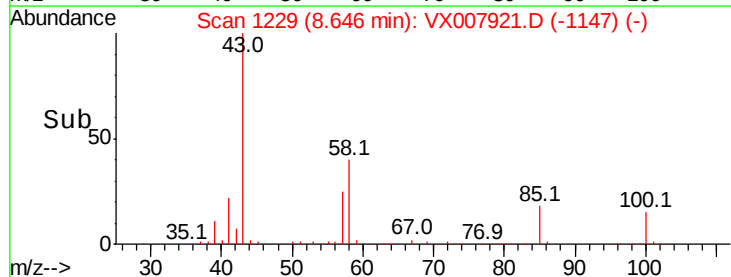
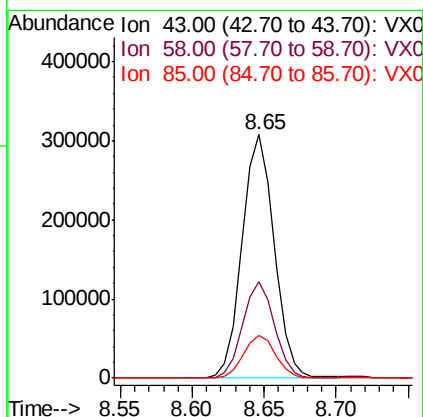
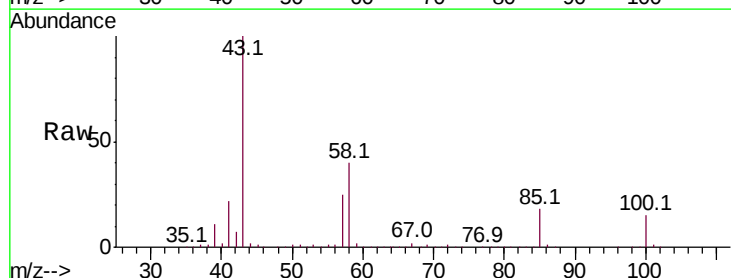
Manual Integrations
APPROVED

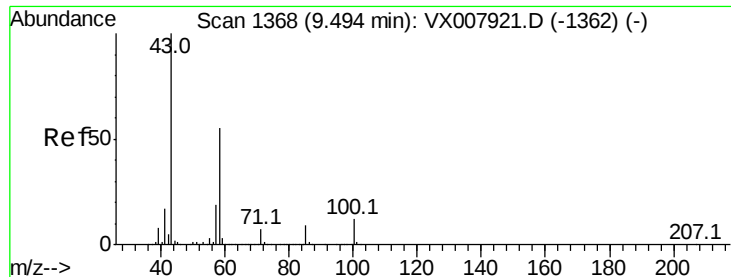
MMDadoda
3/11/2019 9:30:47 AM



#58
4-Methyl-2-Pentanone
Concen: 122.422 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.4	47.0
85	17.6	15.0	22.6





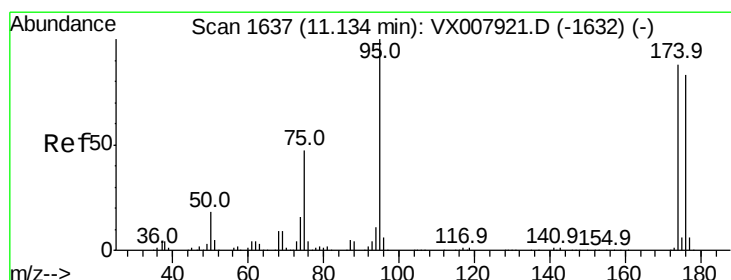
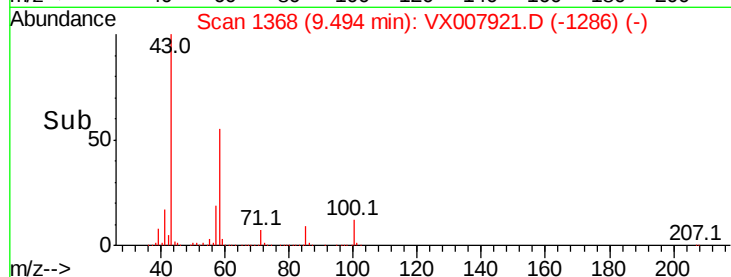
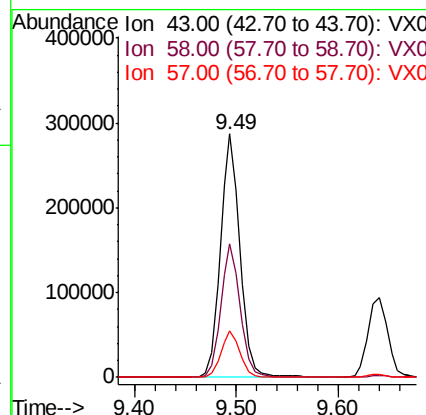
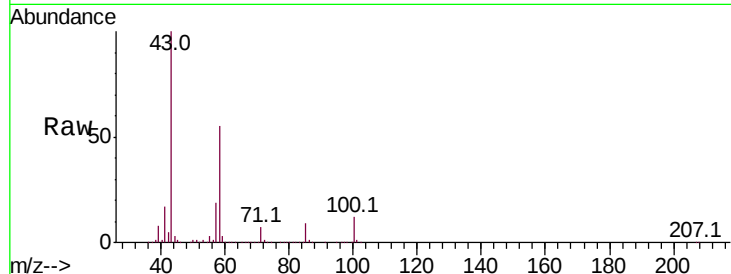
#59
2-Hexanone
Concen: 131.543 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	Resp	386913
Ion Ratio	100	Lower	Upper
43	100		
58	54.2	43.9	65.9
57	18.8	14.9	22.3

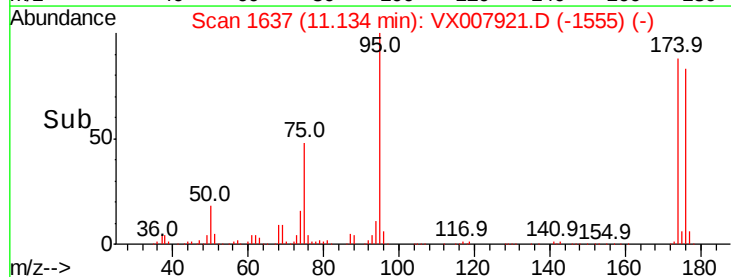
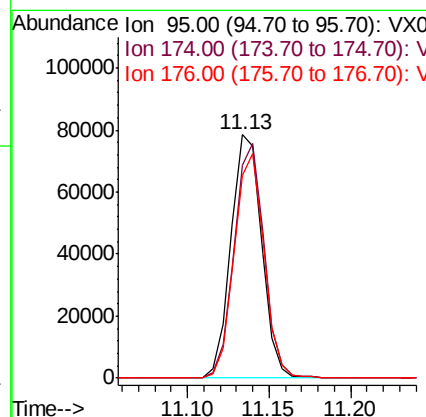
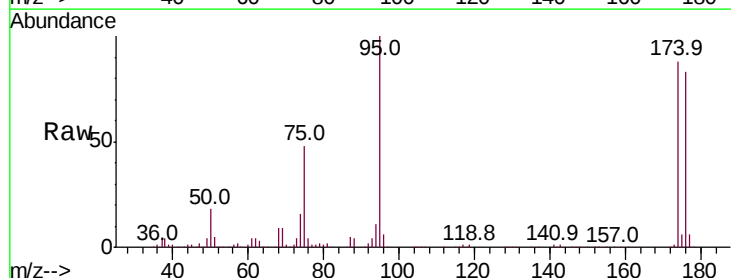
Manual Integrations
APPROVED

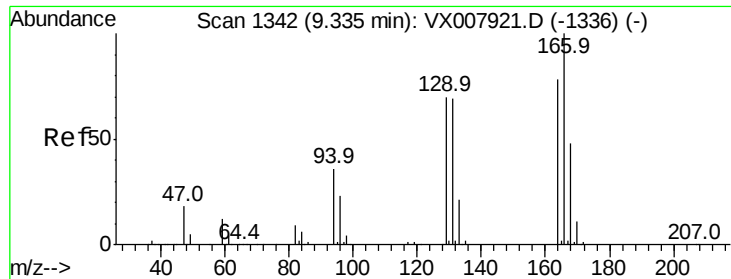
MMDadoda
3/11/2019 9:30:47 AM



#60
4-Bromofluorobenzene
Concen: 31.216 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	95	Resp	103147
Ion Ratio	100	Lower	Upper
95	100		
174	93.4	74.9	112.3
176	89.1	70.7	106.1





#61

Tetrachloroethene

Concen: 21.009 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 64207

Ion Ratio Lower Upper

164 100

166 129.0 103.9 155.9

129 89.7 74.7 112.1

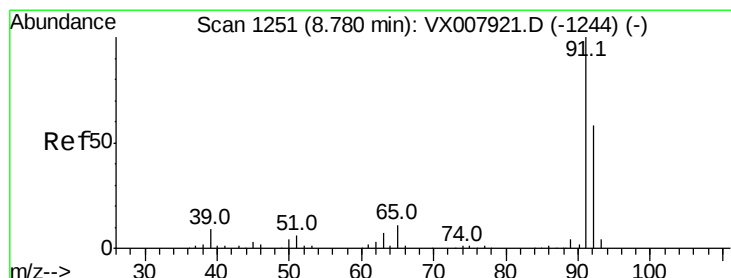
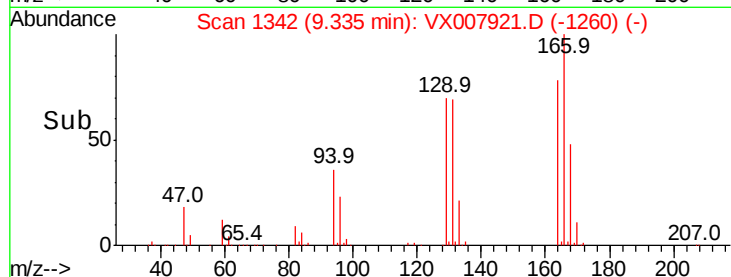
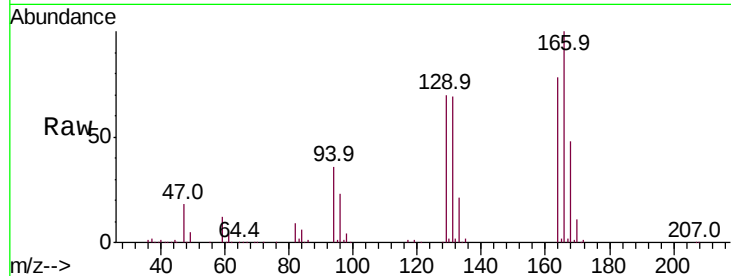
131 88.6 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#62

Toluene

Concen: 21.722 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007921.D

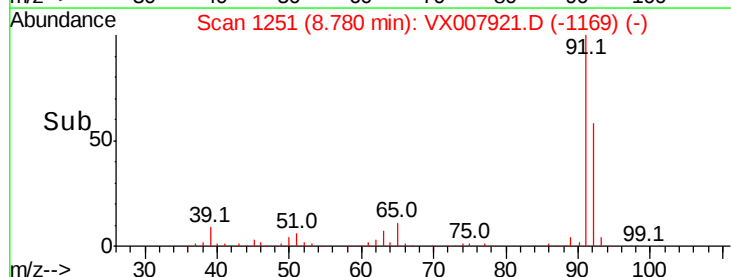
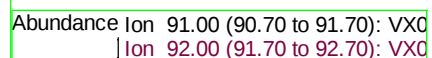
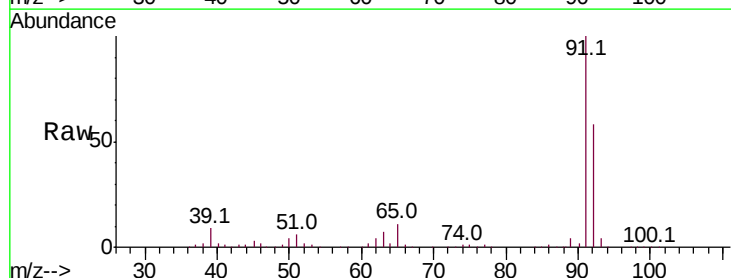
Acq: 08 Mar 2019 10:20

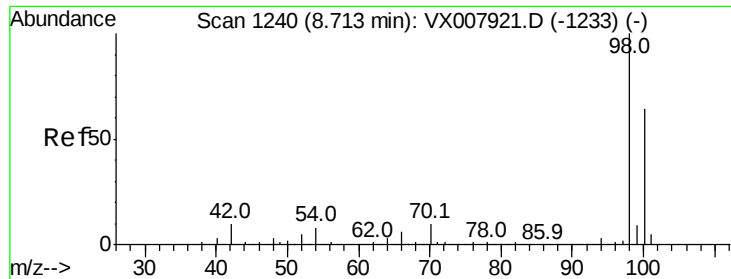
Tgt Ion: 91 Resp: 254688

Ion Ratio Lower Upper

91 100

92 57.4 46.4 69.6





#63

Toluene-d8

Concen: 30.382 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 295632

Ion Ratio Lower Upper

98 100

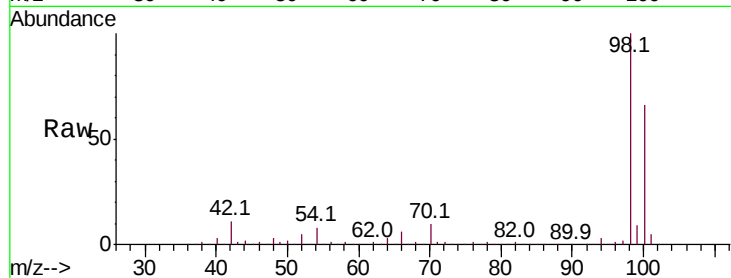
100 66.4 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



Abundance Ion 98.00 (97.70 to 98.70): VX007921.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX007921.D (-1233) (-)

8.71

200000

150000

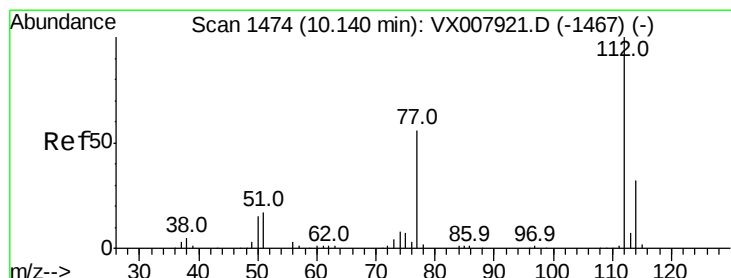
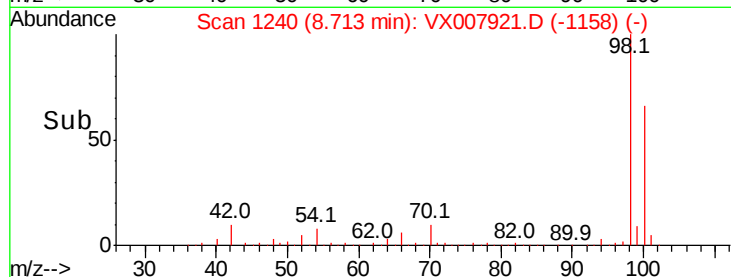
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#64

Chlorobenzene

Concen: 21.552 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007921.D

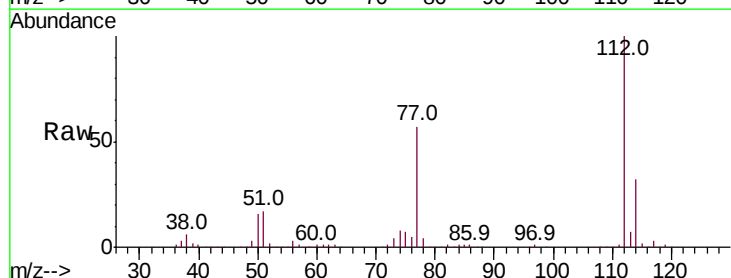
Acq: 08 Mar 2019 10:20

Tgt Ion: 112 Resp: 164215

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX007921.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX007921.D (-1467) (-)

10.14

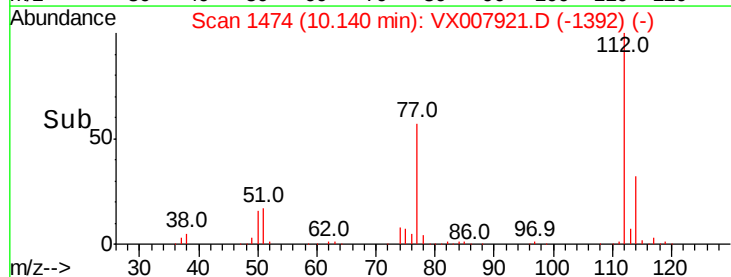
100000

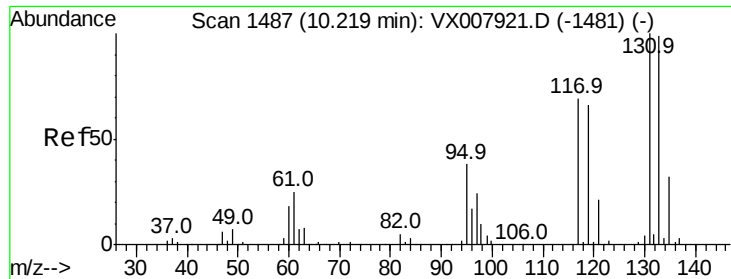
50000

0

10.10 10.20 10.30

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.744 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

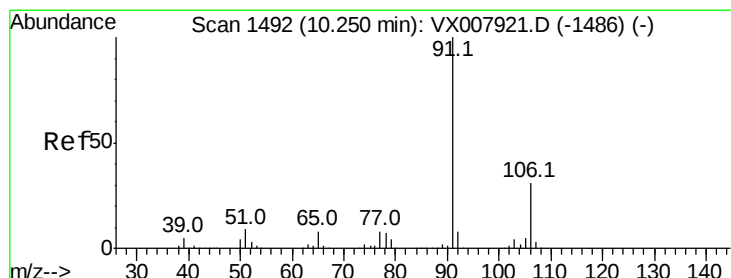
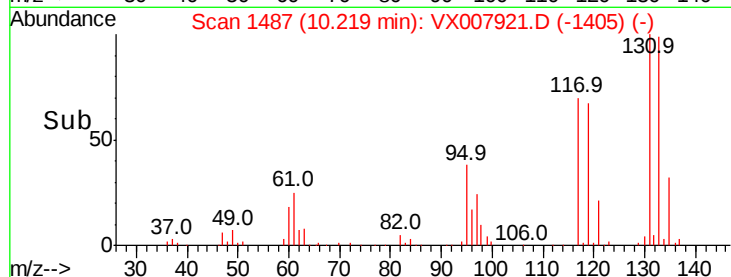
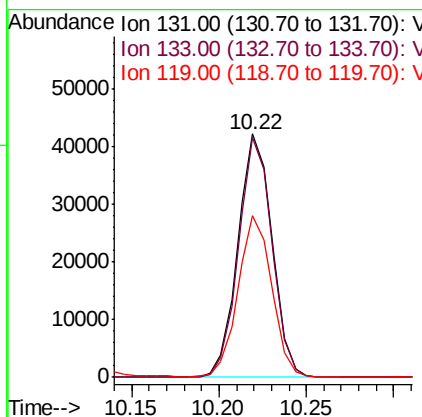
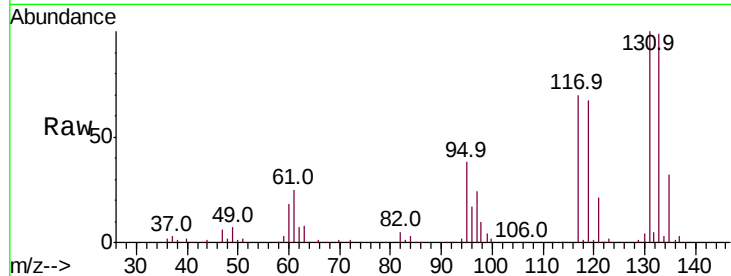
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	57251
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	191.6
119	65.8	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#66

Ethyl Benzene

Concen: 21.805 ug/l

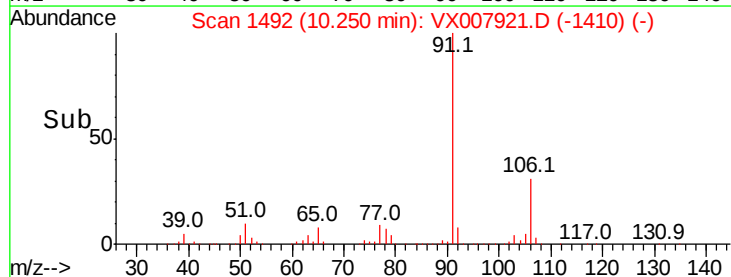
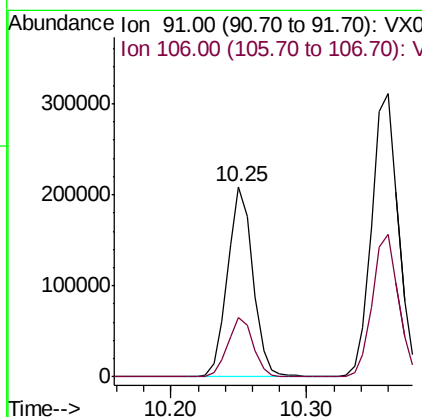
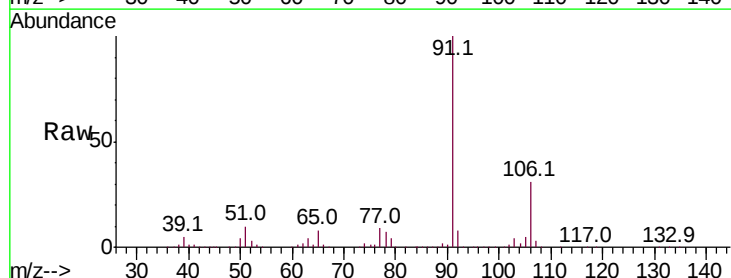
RT: 10.25 min Scan# 1492

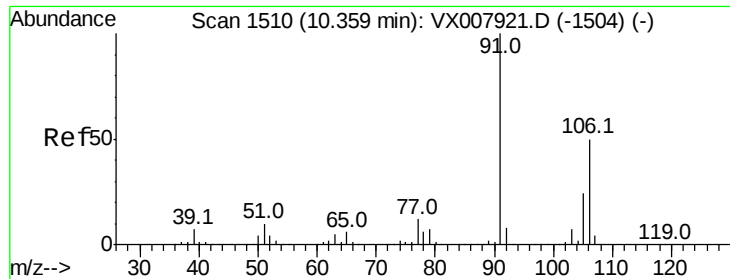
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	91	Resp:	271302
Ion Ratio	Lower	Upper	
91	100		
106	31.1	26.0	39.0





#67

m/p-Xvlenes

Concen: 42.853 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 209128

Ion Ratio Lower Upper

106 100

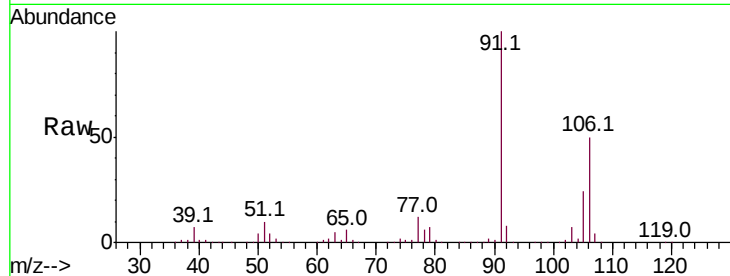
91 203.4 157.0 235.4

Manual Integrations

APPROVED

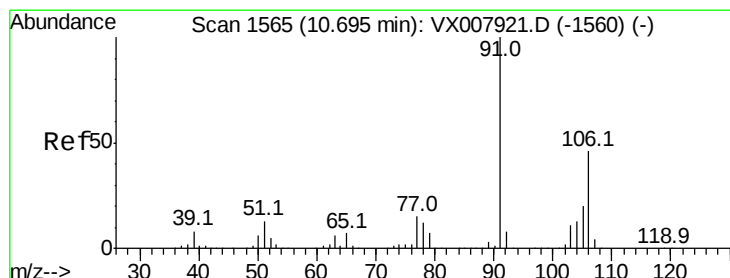
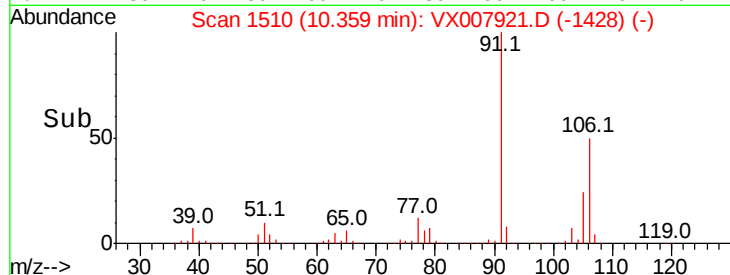
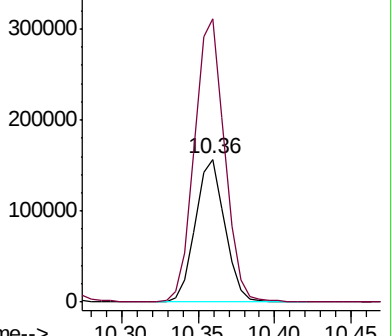
MMDadoda

3/11/2019 9:30:47 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 21.352 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007921.D

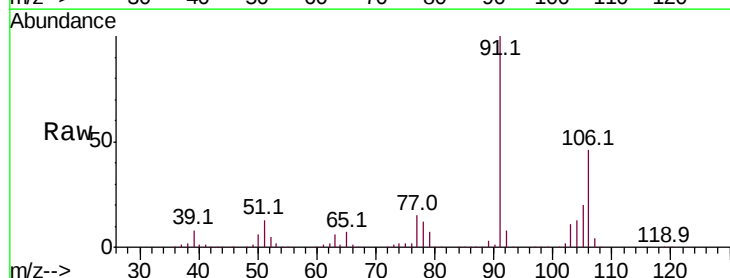
Acq: 08 Mar 2019 10:20

Tgt Ion:106 Resp: 101626

Ion Ratio Lower Upper

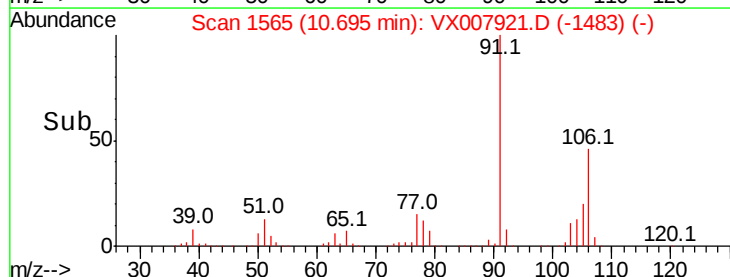
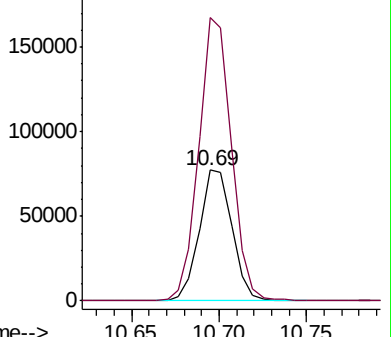
106 100

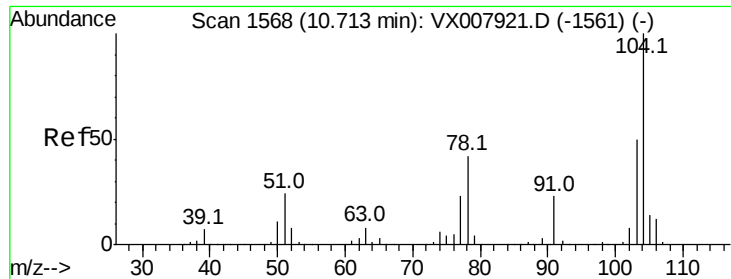
91 213.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





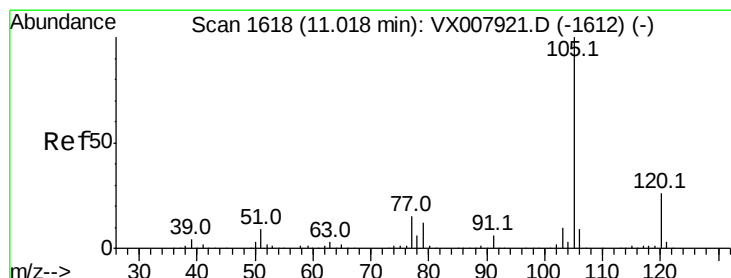
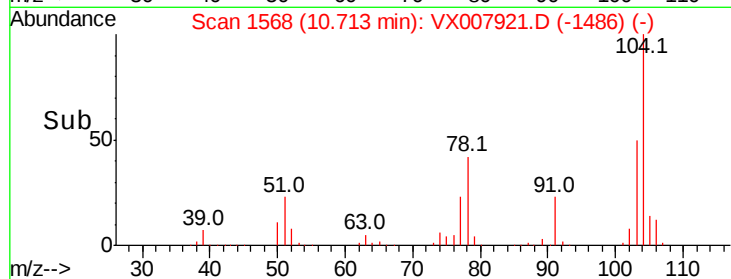
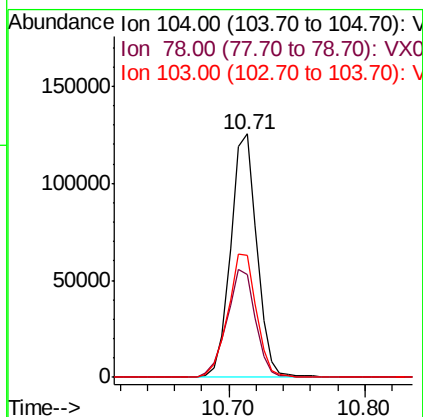
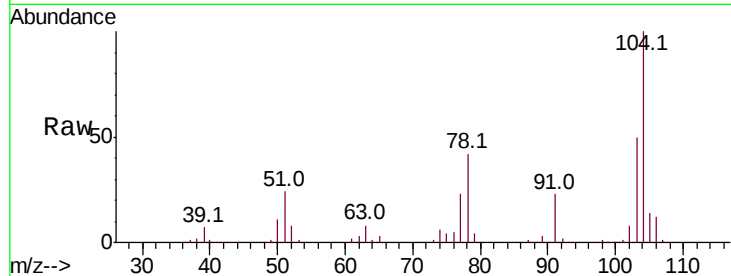
#69
Stvrene
Concen: 21.949 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.2	57.2
103	55.0	45.0	67.4

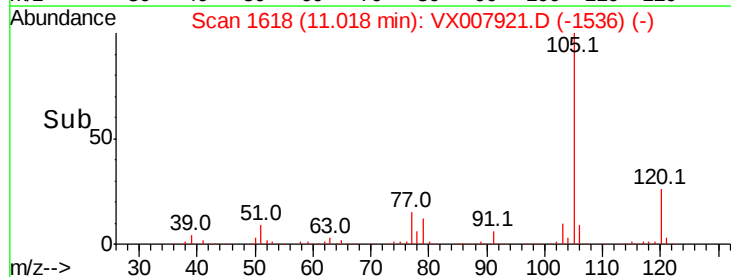
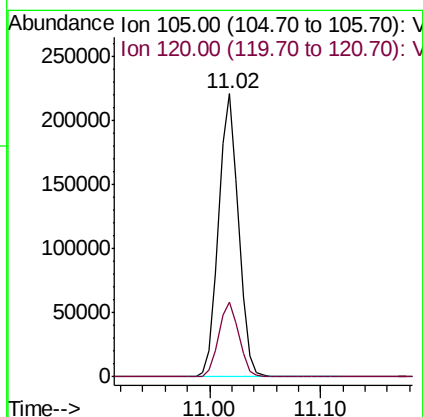
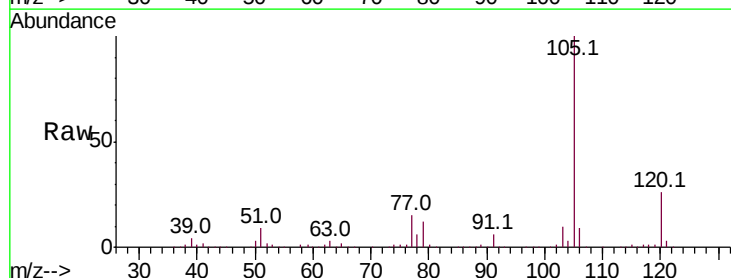
Manual Integrations
APPROVED

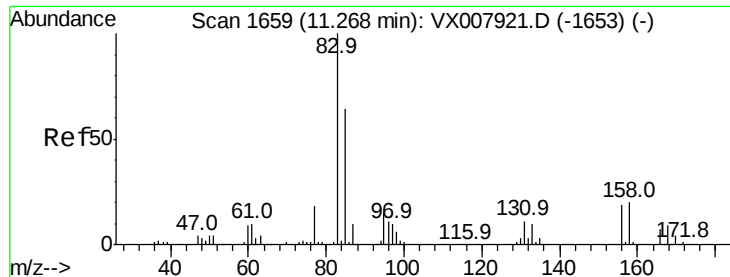
MMDadoda
3/11/2019 9:30:47 AM



#70
Isopropylbenzene
Concen: 21.766 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 22.397 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

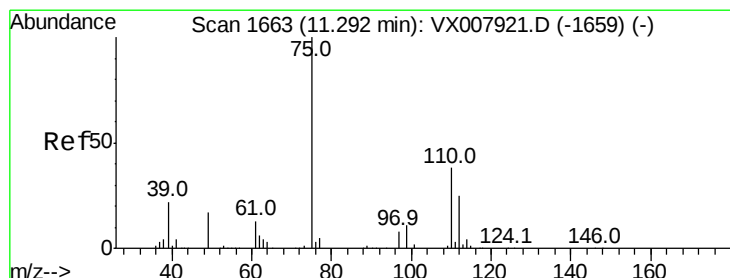
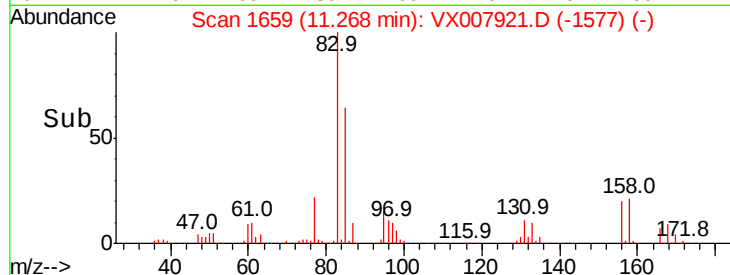
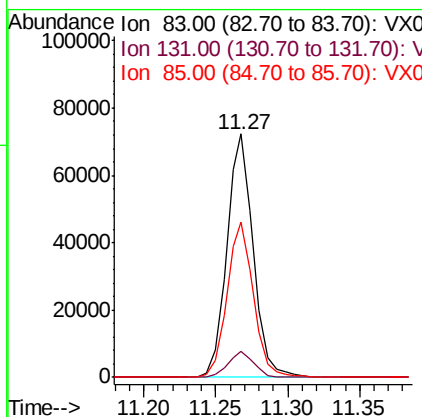
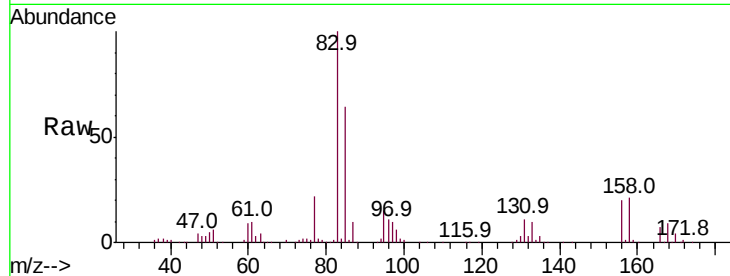
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	92969
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	64.2	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#72

1,2,3-Trichloropropane

Concen: 23.003 ug/l m

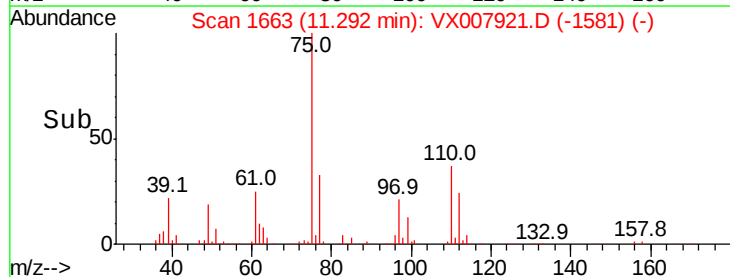
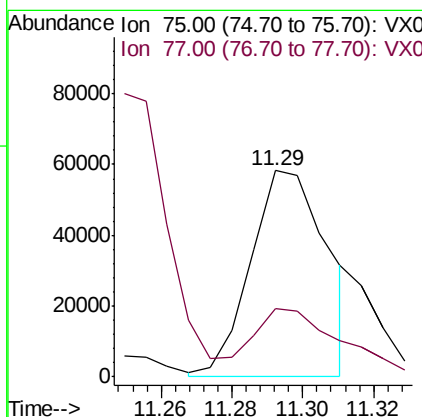
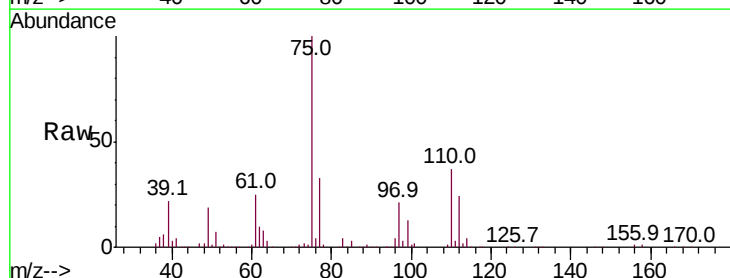
RT: 11.29 min Scan# 1663

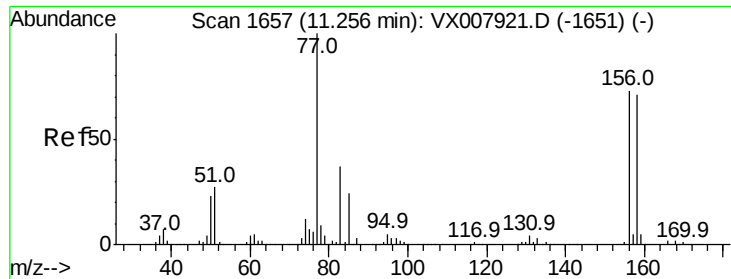
Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Tgt Ion:	75	Resp:	87301
Ion	Ratio	Lower	Upper
75	100		
77	39.1	0.0	76.4





#73

Bromobenzene

Concen: 21.258 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 72878

Ion Ratio Lower Upper

156 100

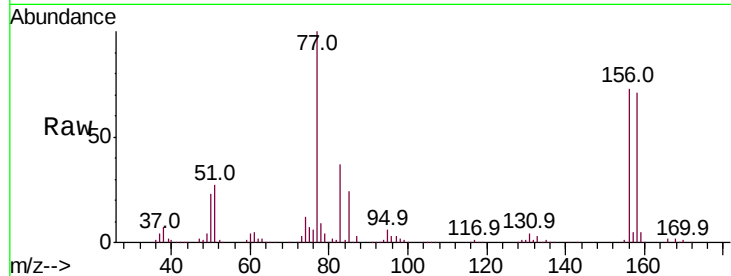
77 144.2 0.0 271.4

158 98.6 0.0 194.0

Manual Integrations
APPROVED

MMDadoda

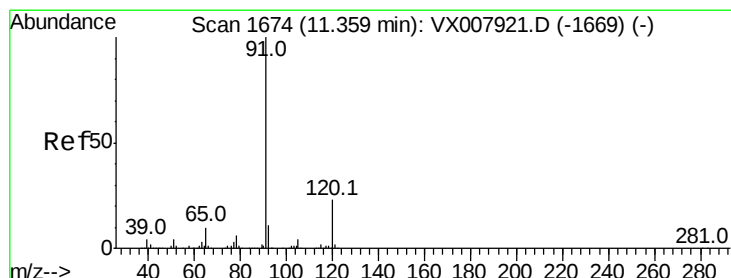
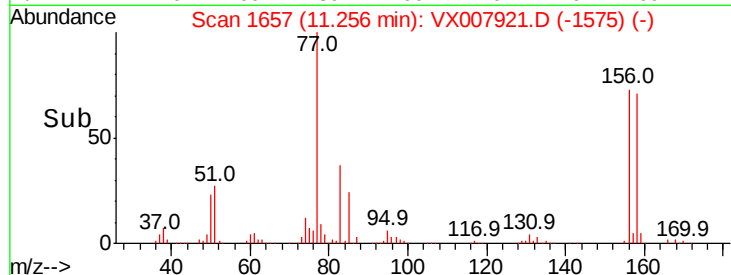
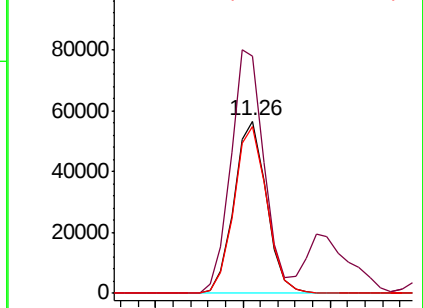
3/11/2019 9:30:47 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 22.025 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007921.D

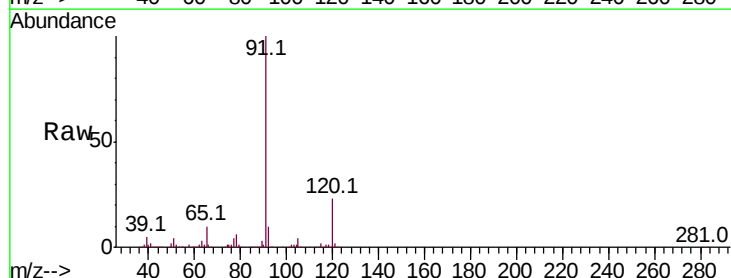
Acq: 08 Mar 2019 10:20

Tgt Ion: 91 Resp: 307085

Ion Ratio Lower Upper

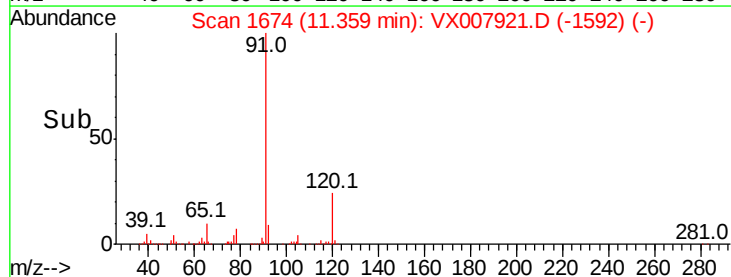
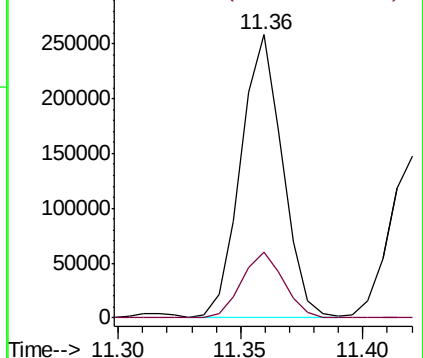
91 100

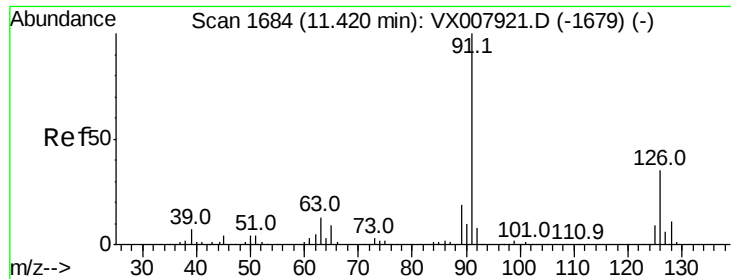
120 23.4 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.289 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 185807

Ion Ratio Lower Upper

91 100

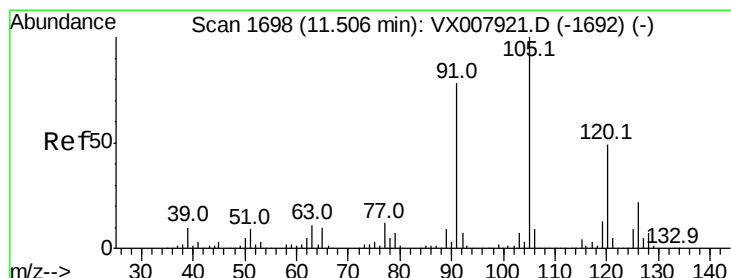
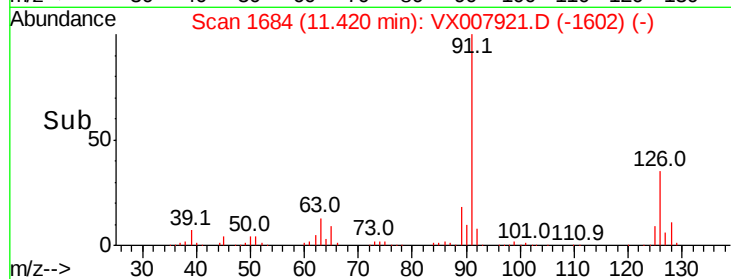
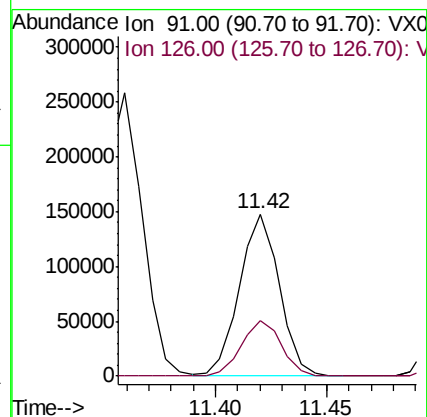
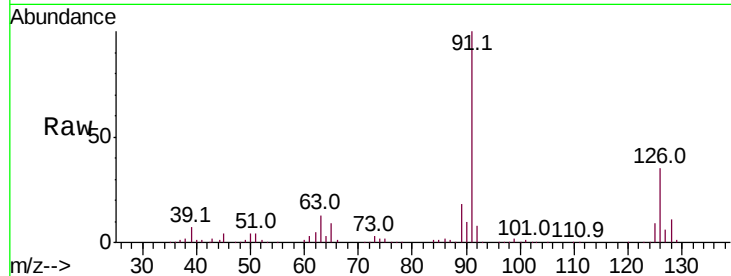
126 34.4 0.0 75.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 9:30:47 AM



#76

1,3,5-Trimethylbenzene

Concen: 22.128 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007921.D

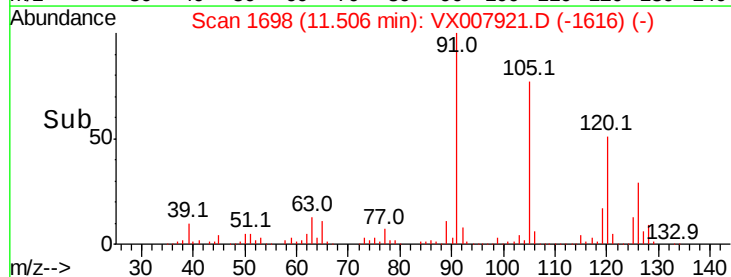
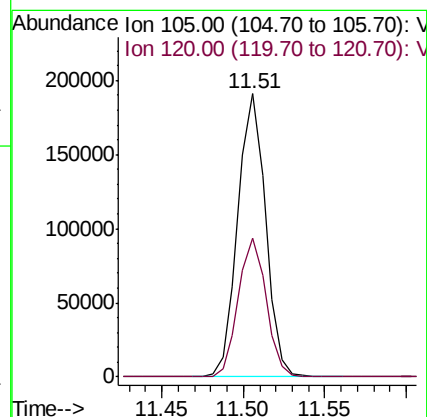
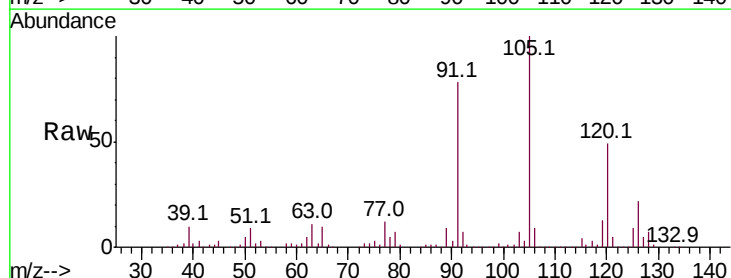
Acq: 08 Mar 2019 10:20

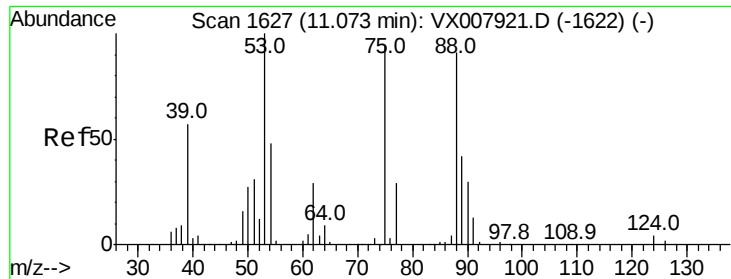
Tgt Ion: 105 Resp: 226814

Ion Ratio Lower Upper

105 100

120 49.2 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 22.480 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007921.D

Acq: 08 Mar 2019 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 24627

Ion Ratio Lower Upper

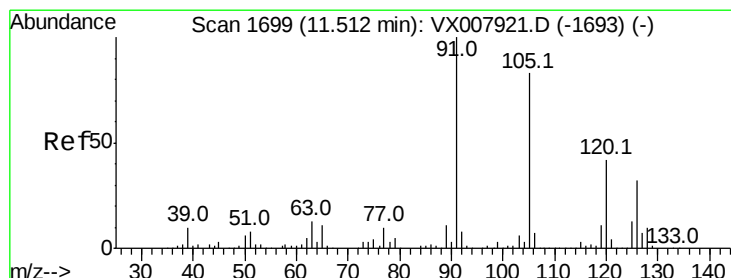
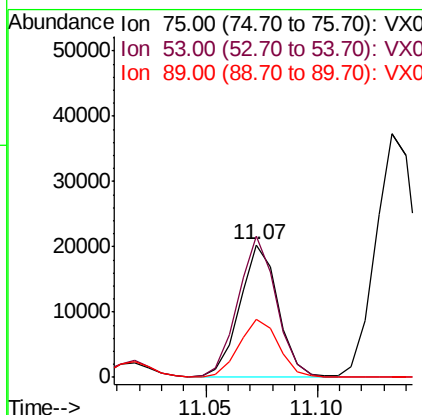
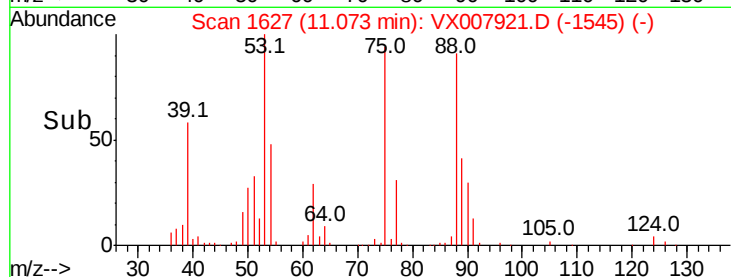
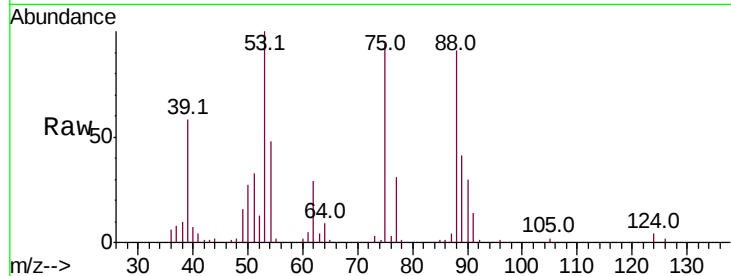
75 100

53 106.0 55.5 166.7

89 44.0 24.4 73.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#78

4-Chlorotoluene

Concen: 22.025 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007921.D

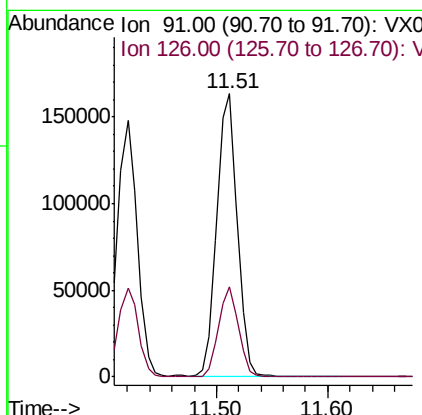
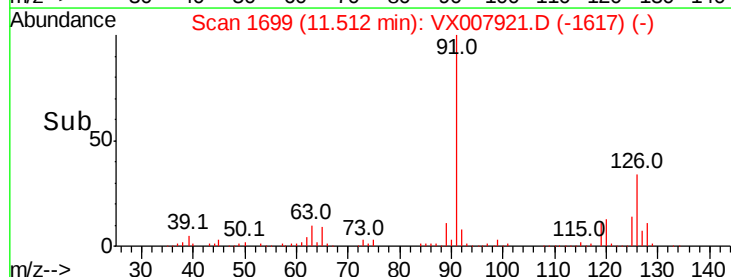
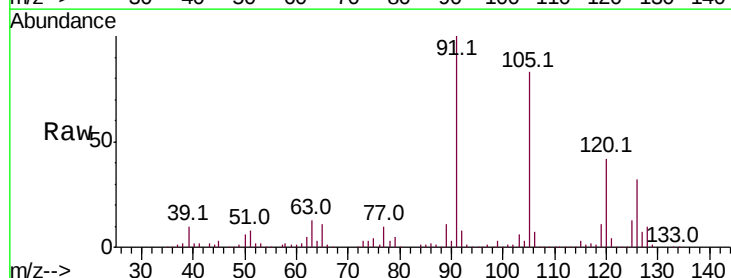
Acq: 08 Mar 2019 10:20

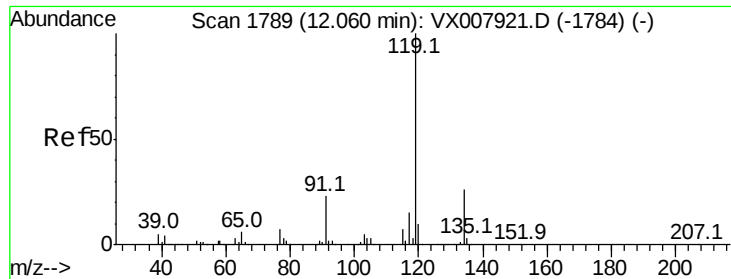
Tgt Ion: 91 Resp: 209580

Ion Ratio Lower Upper

91 100

126 30.7 0.0 66.2





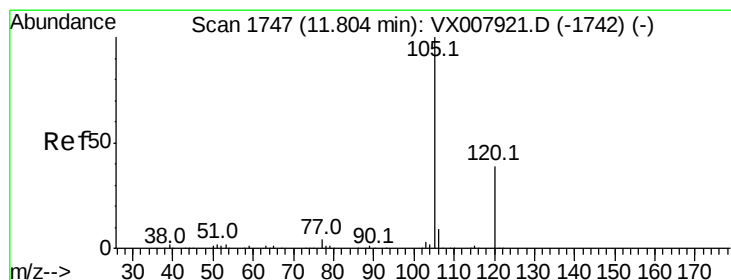
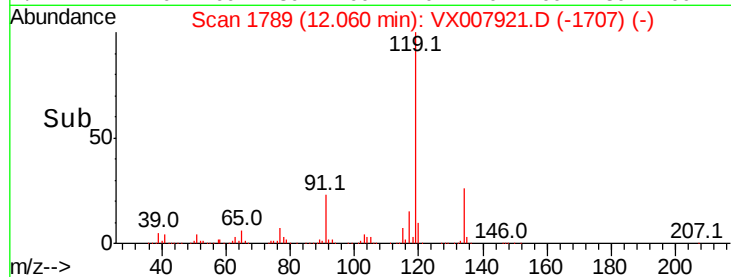
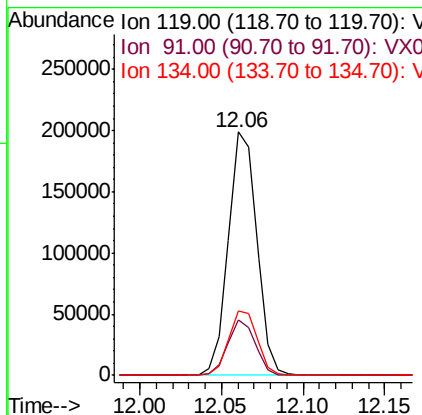
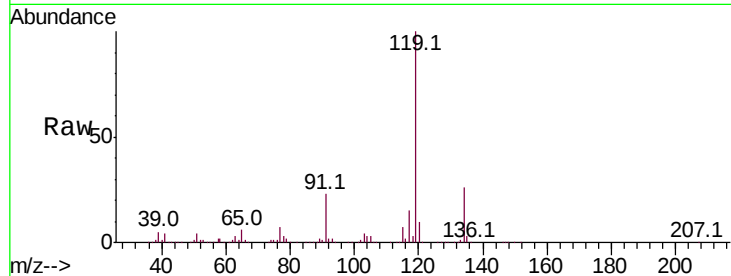
#79
tert-butylbenzene
Concen: 22.204 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	241677		
91	22.0	0.0	45.0	
134	26.6	0.0	55.4	

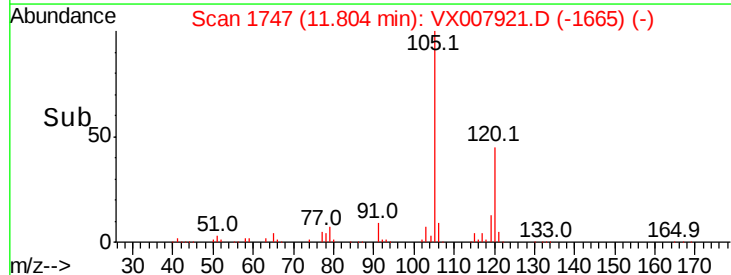
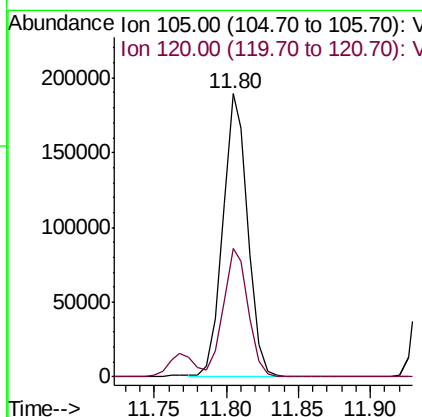
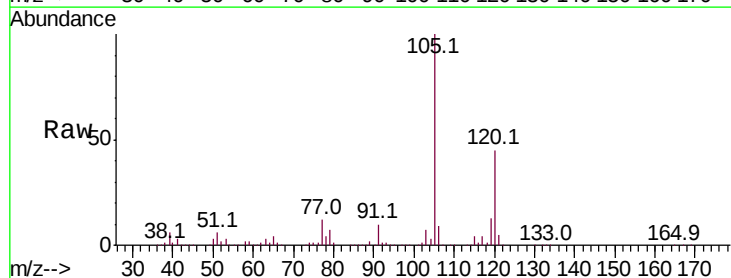
Manual Integrations
APPROVED

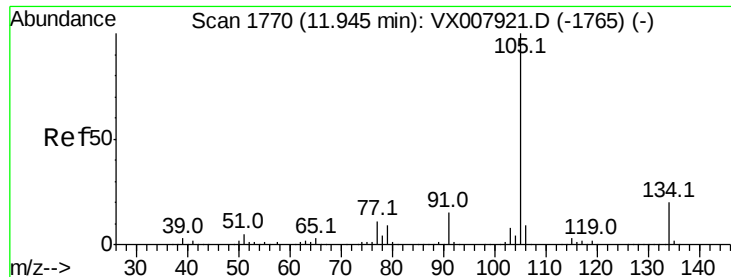
MMDadoda
3/11/2019 9:30:47 AM



#80
1,2,4-Trimethylbenzene
Concen: 22.052 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229453		
120	45.2	0.0	94.0	





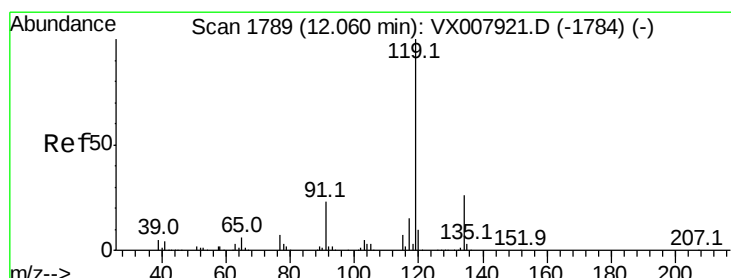
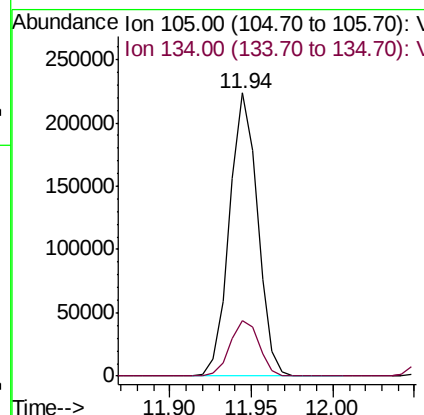
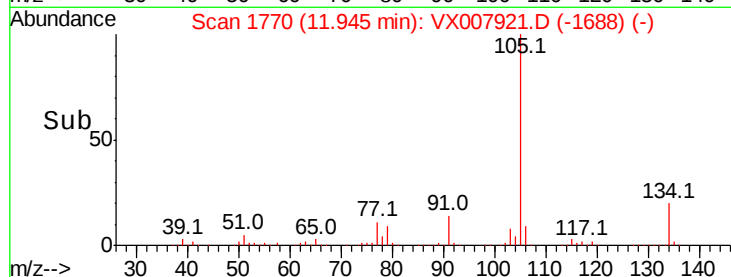
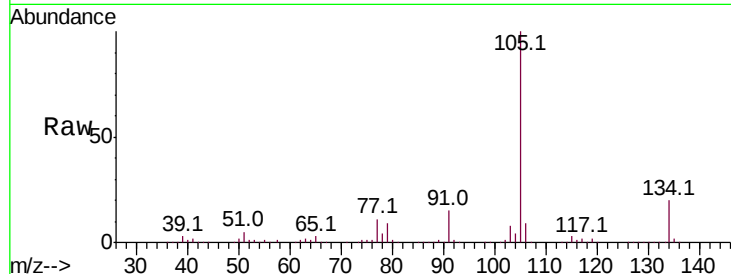
#81
 sec-Butylbenzene
 Concen: 21.891 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	41.8

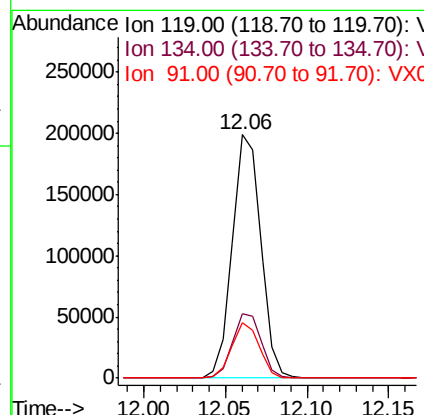
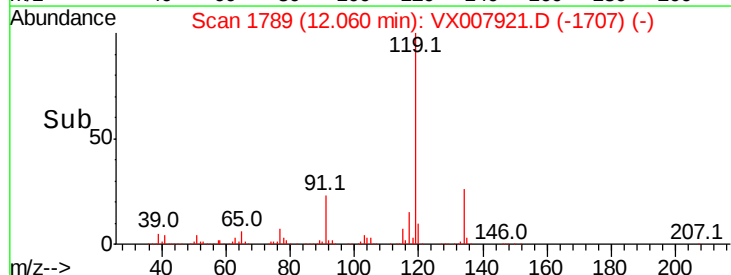
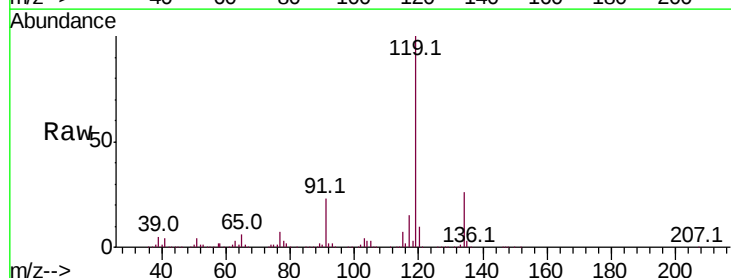
Manual Integrations
 APPROVED

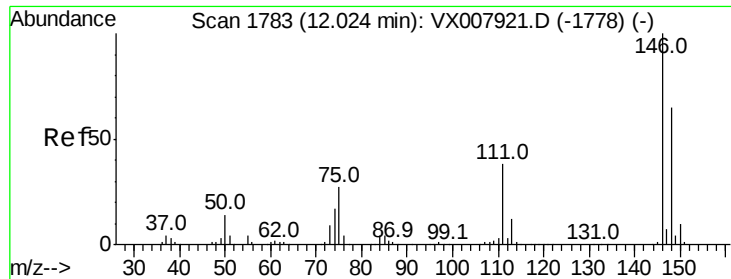
MMDadoda
 3/11/2019 9:30:47 AM



#82
 p-Isopropyltoluene
 Concen: 22.204 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	55.4
91	22.0	0.0	45.0





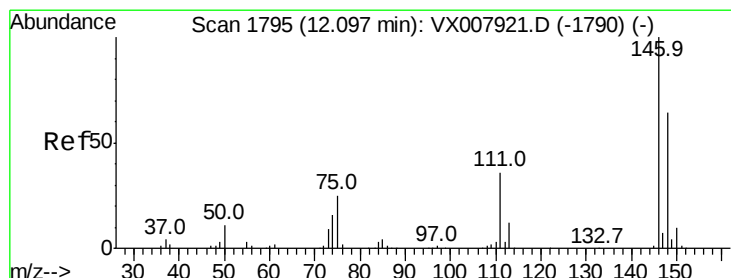
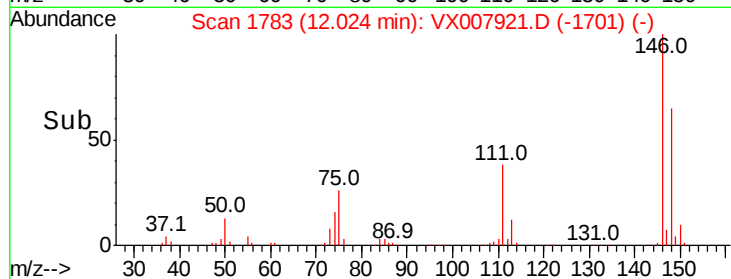
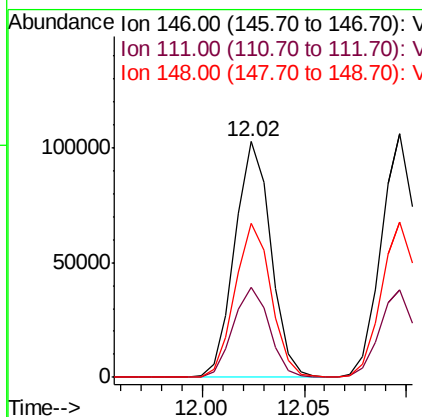
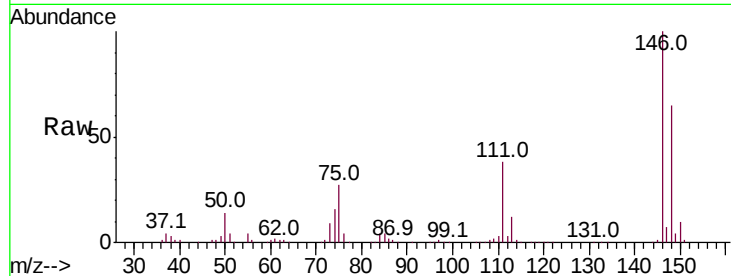
#83
 1,3-Dichlorobenzene
 Concen: 20.985 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	65.2	30.6	91.8

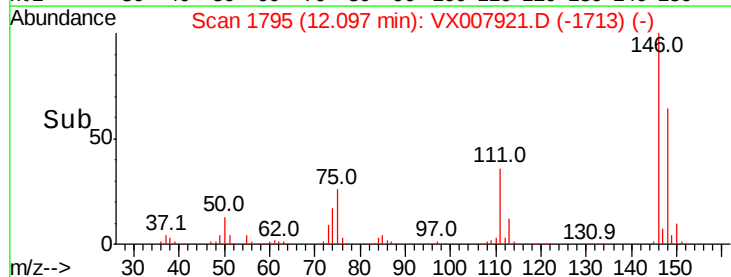
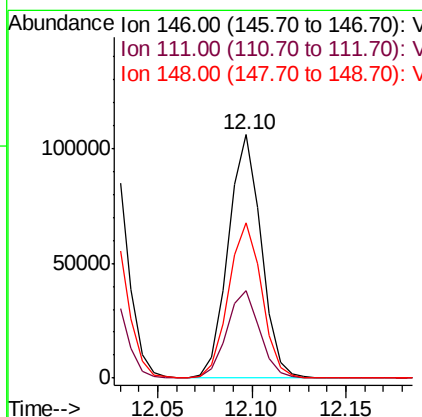
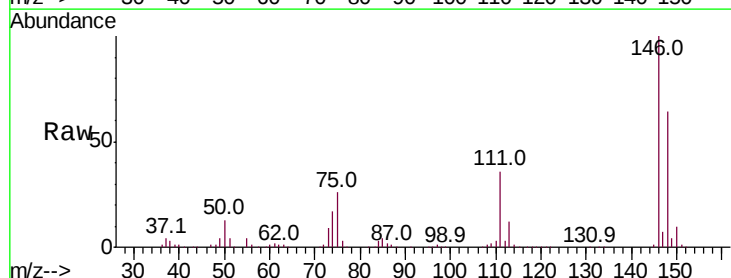
Manual Integrations
 APPROVED

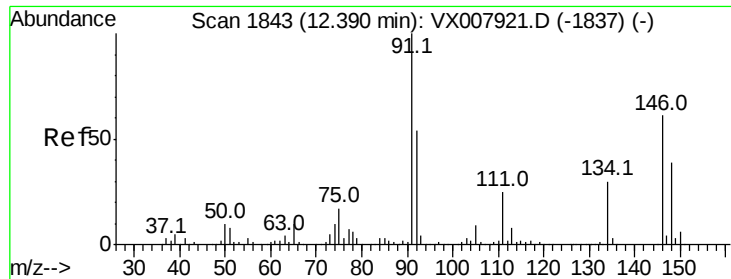
MMDadoda
 3/11/2019 9:30:47 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.6	52.8
148	64.4	31.4	94.2





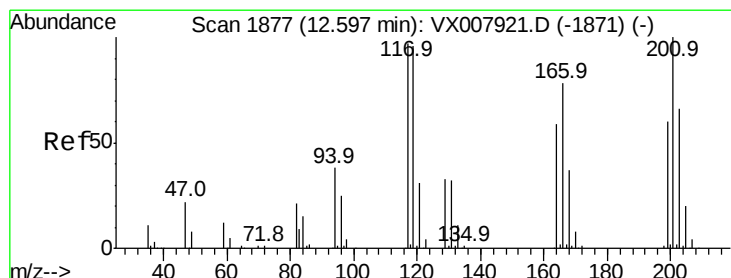
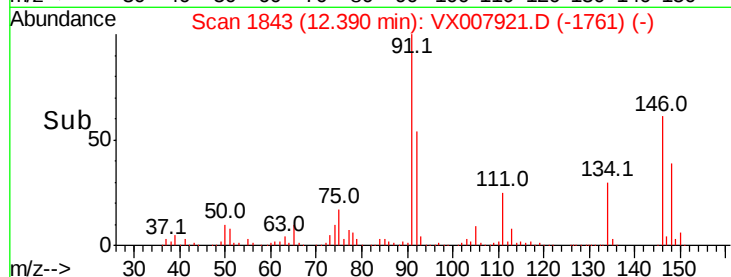
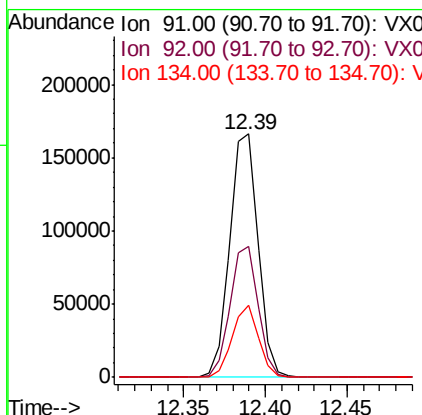
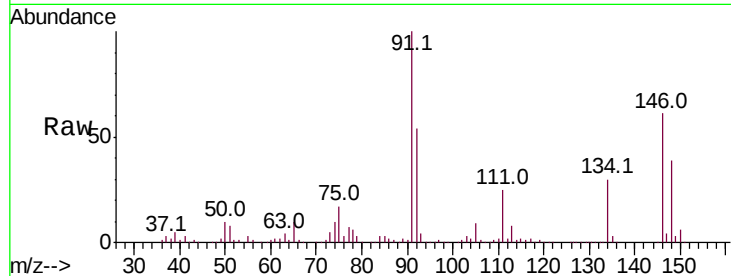
#85
n-Butylbenzene
Concen: 22.146 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	200018		
92	53.4		0.0	105.2
134	27.5		0.0	56.4

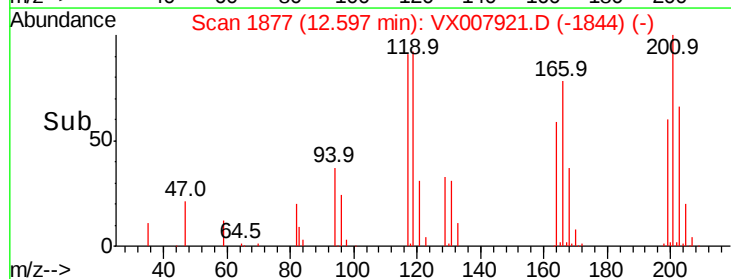
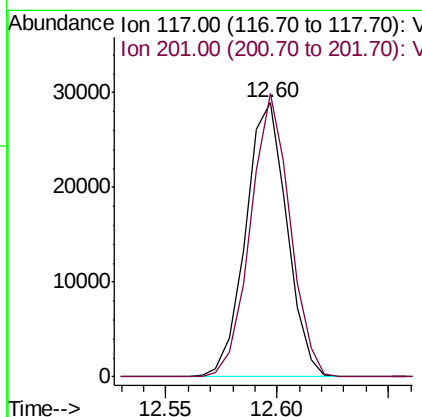
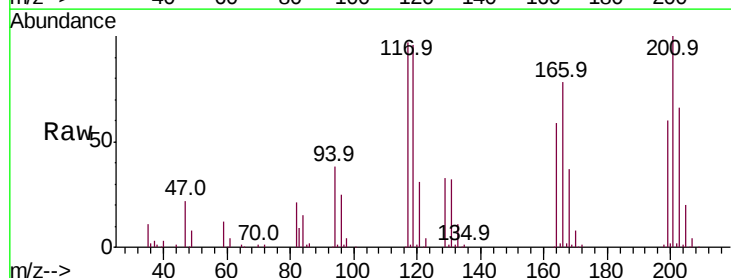
Manual Integrations
APPROVED

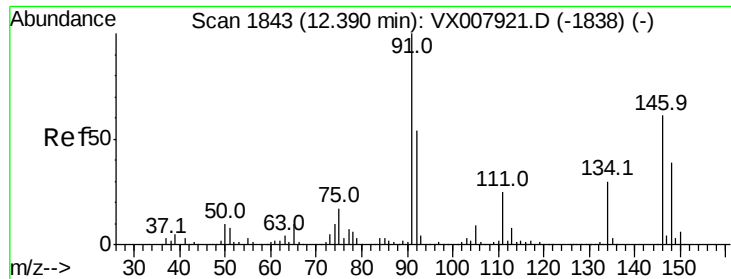
MMDadoda
3/11/2019 9:30:47 AM



#86
Hexachloroethane
Concen: 20.692 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37392		
201	98.6		41.1	123.3





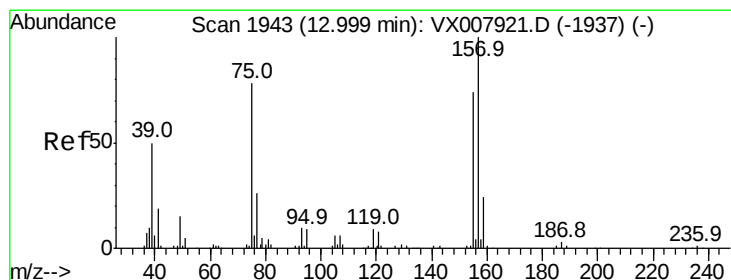
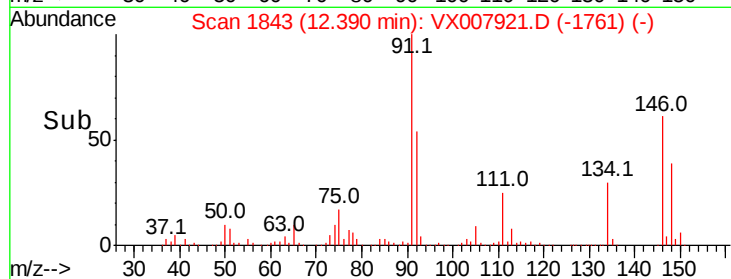
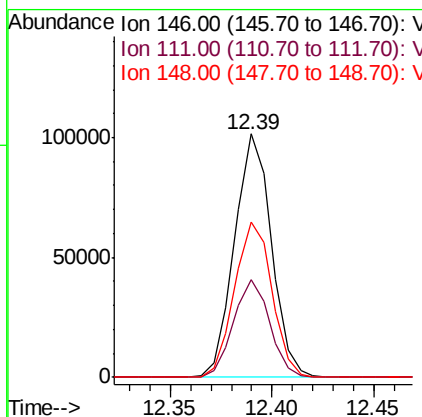
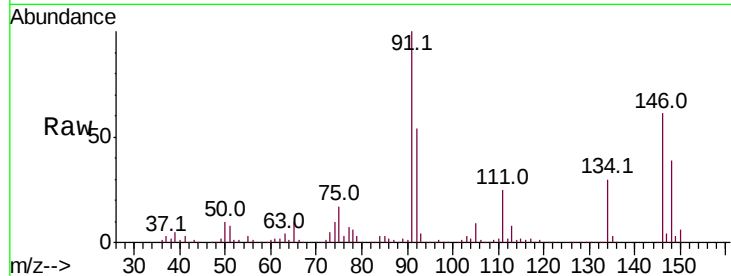
#87
 1,2-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	64.7	32.1	96.3

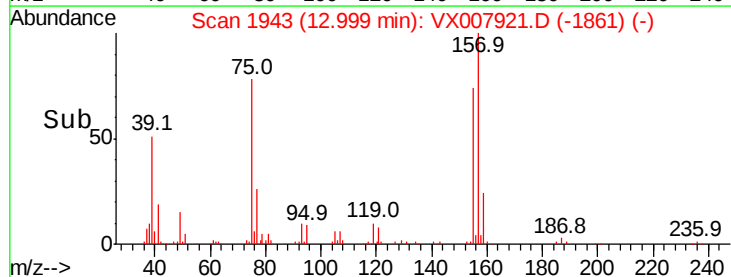
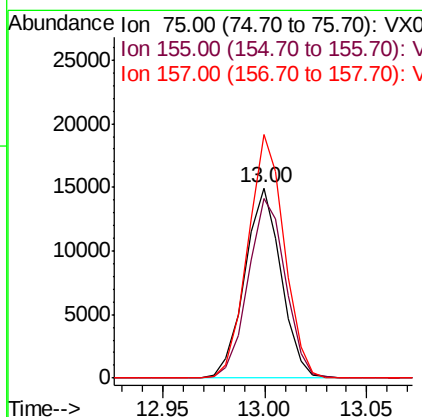
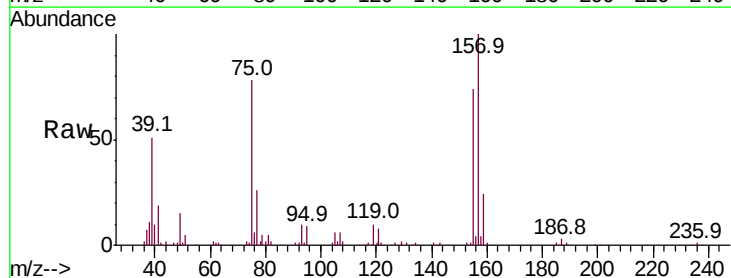
Manual Integrations
 APPROVED

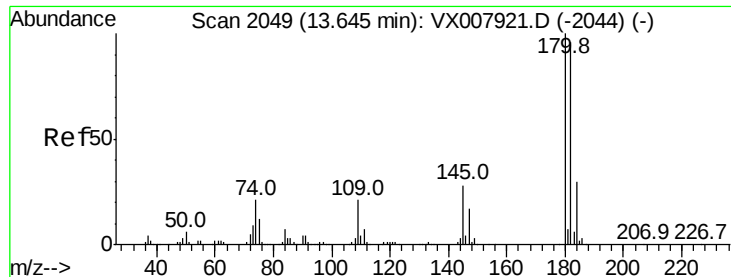
MMDadoda
 3/11/2019 9:30:47 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.391 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007921.D
 Acq: 08 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	81.0	121.6
157	128.2	103.2	154.8





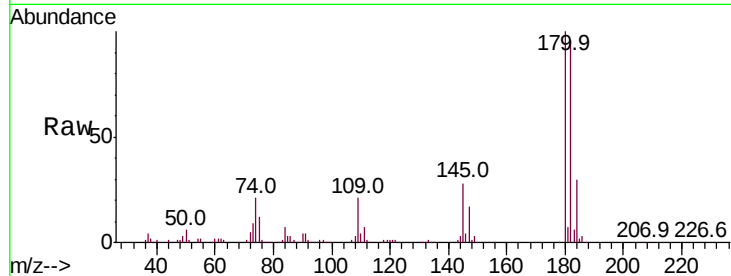
#89
1,2,4-Trichlorobenzene
Concen: 22.755 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.6	113.4
145	28.4	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM

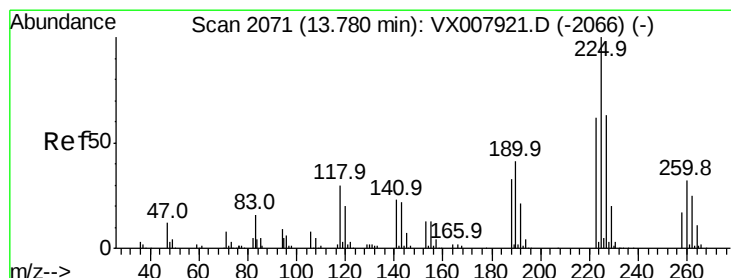
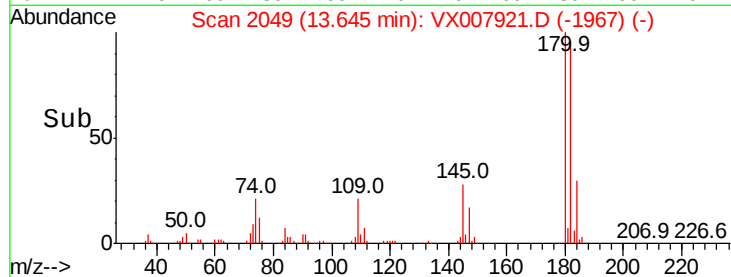
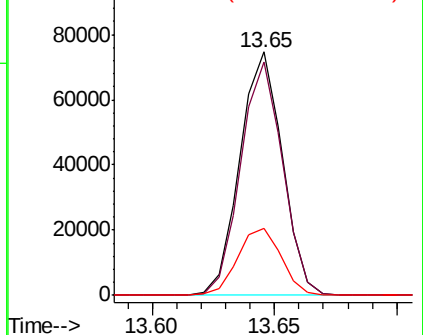


Abundance

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



#90
Hexachlorobutadiene
Concen: 27.511 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

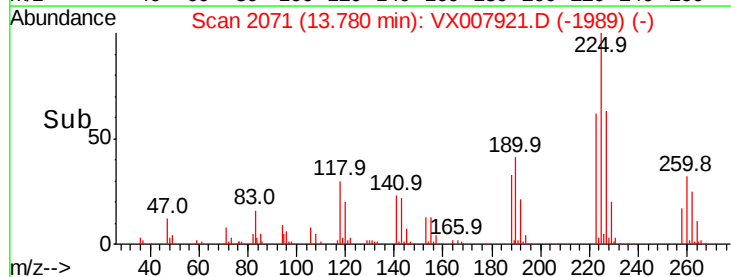
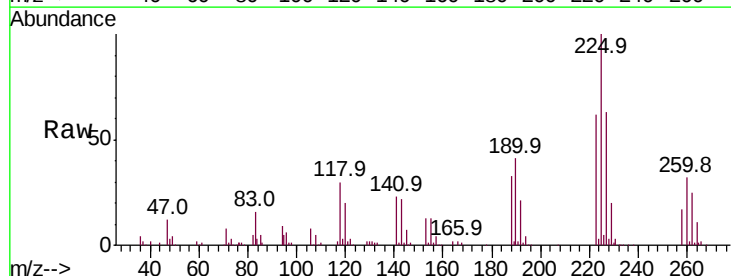
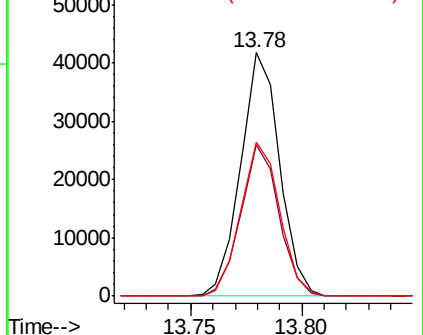
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	0.0	123.8
227	63.3	0.0	124.4

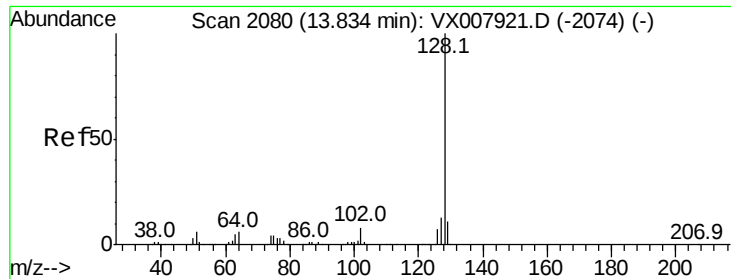
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





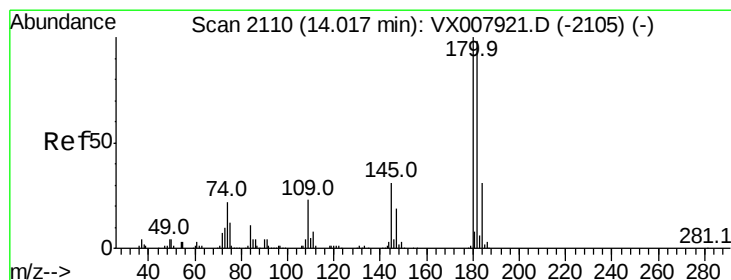
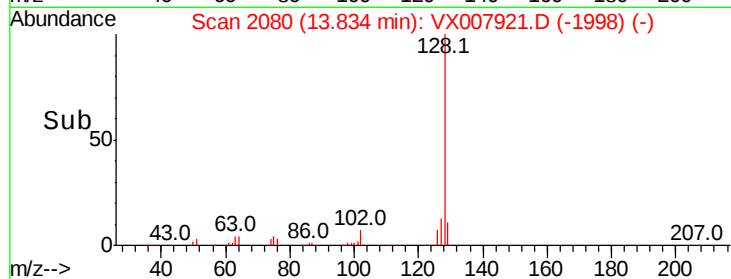
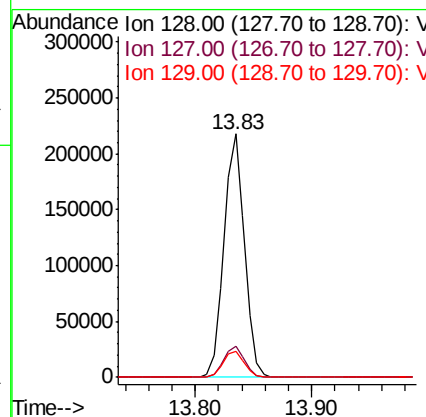
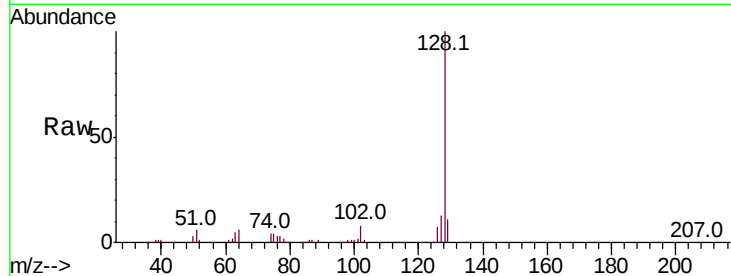
#91
Naphthalene
Concen: 20.679 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:	128	Resp:	262011
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:47 AM



#92
1,2,3-Trichlorobenzene
Concen: 22.336 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007921.D
Acq: 08 Mar 2019 10:20

Tgt Ion:	180	Resp:	90207
Ion Ratio	Lower	Upper	
180	100		
182	95.8	0.0	193.0
145	29.8	0.0	63.0

