

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072718\
 Data File : VX003713.D
 Acq On : 27 Jul 2018 13:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:28 PM

Quant Time: Jul 27 15:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	18158	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	94144	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	113317	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	42288	34.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.67%
60) 4-Bromofluorobenzene	11.14	95	53096	29.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.20%
63) Toluene-d8	8.72	98	153388	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6501	4.716	ug/l 97
3) Chloromethane	1.32	50	8045	5.877	ug/l 99
4) Vinyl Chloride	1.40	62	8416	5.638	ug/l 97
5) Bromomethane	1.64	94	5155	8.330	ug/l 100
6) Chloroethane	1.72	64	5654	6.356	ug/l 98
7) Trichlorofluoromethane	1.93	101	11337	5.701	ug/l 96
8) Diethyl Ether	2.18	74	4896	6.021	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7038	5.782	ug/l 93
10) 1,1-Dichloroethene	2.37	96	6379	5.648	ug/l 97
11) Methyl Iodide	2.51	142	7276	6.088	ug/l 93
12) Methyl Acetate	2.78	43	10659	5.813	ug/l 96
13) Acrolein	2.29	56	2311	16.220	ug/l 92
14) Acrylonitrile	3.15	53	22623	32.782	ug/l 98
15) Acetone	2.45	58	6523	36.056	ug/l # 65
16) Carbon Disulfide	2.57	76	17123	5.307	ug/l 99
17) Allyl chloride	2.73	41	12832	5.973	ug/l 90
18) Methylene Chloride	2.86	84	7768	5.861	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	6927	5.687	ug/l 98
20) Diisopropyl ether	3.87	45	21711	5.593	ug/l 97
21) 1,1-Dichloroethane	3.70	63	13702	6.018	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	6073	4.690	ug/l 89
23) tert-Butyl Alcohol	3.08	59	9383	32.747	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	22706	6.019	ug/l 94
25) Chloroform	5.21	83	10614	5.177	ug/l 97
26) Cyclohexane	5.57	56	8364	4.706	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	7338	4.943	ug/l 99
30) 2-Butanone	4.71	43	23686	28.557	ug/l 96
31) 2,2-Dichloropropane	4.59	77	7571	4.723	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	8519	5.069	ug/l 98
33) Carbon Tetrachloride	5.78	117	7200m	4.882	ug/l
34) Benzene	6.14	78	22988	5.259	ug/l # 96
35) Methacrylonitrile	5.07	41	4876	5.557	ug/l 86
36) 1,2-Dichloroethane	6.20	62	8735	5.747	ug/l 97
37) Trichloroethene	7.21	130	5842	4.833	ug/l 92
38) Methylcyclohexane	7.46	83	7810	4.655	ug/l 98
39) 1,2-Dichloropropane	7.52	63	6047	5.354	ug/l 96
40) Dibromomethane	7.67	93	4006	5.401	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003713.D
 Acq On : 27 Jul 2018 13:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:28 PM

Quant Time: Jul 27 15:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	7223	5.211	ug/l	96
42) Vinyl Acetate	3.82	43	104208	32.704	ug/l	99
43) Ethyl Acetate	4.86	43	8923	5.664	ug/l #	93
44) Isopropyl Acetate	6.47	43	13017	5.391	ug/l	100
45) 1,4-Dioxane	7.76	88	2738	106.231	ug/l #	89
46) Methyl methacrylate	7.78	41	6257	5.011	ug/l	92
47) n-amyl Acetate	10.90	43	12612	6.064	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	9050	5.365	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	8663	5.671	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	7256	6.486	ug/l	99
51) Ethyl methacrylate	9.18	69	9550	5.858	ug/l	82
52) 1,3-Dichloropropane	9.37	76	11882	6.467	ug/l	99
53) Dibromochloromethane	9.59	129	6496	5.810	ug/l	98
54) 1,2-Dibromoethane	9.68	107	7362	6.346	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	24075	31.301	ug/l	99
56) Bromoform	10.86	173	4885	5.715	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	46518	23.045	ug/l	98
59) 2-Hexanone	9.50	43	38685	25.022	ug/l	95
61) Tetrachloroethene	9.34	164	7425	4.281	ug/l	94
62) Toluene	8.79	91	30812	4.984	ug/l	99
64) Chlorobenzene	10.14	112	20065	4.901	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	6736	4.639	ug/l	98
66) Ethyl Benzene	10.26	91	31380	4.593	ug/l	100
67) m/p-Xylenes	10.36	106	24265	9.128	ug/l	96
68) o-Xylene	10.70	106	11601	4.536	ug/l	98
69) Styrene	10.71	104	18479	4.346	ug/l	98
70) Isopropylbenzene	11.02	105	30922	4.560	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	11619	5.463	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	9617m	3.866	ug/l	
73) Bromobenzene	11.26	156	9089	4.821	ug/l	98
74) n-propylbenzene	11.36	91	36436	4.613	ug/l	99
75) 2-Chlorotoluene	11.42	91	23286	4.928	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	26321	4.586	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	2704	4.551	ug/l	86
78) 4-Chlorotoluene	11.51	91	26217	4.750	ug/l	98
79) tert-butylbenzene	12.07	119	26312	4.329	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	26227	4.498	ug/l	98
81) sec-Butylbenzene	11.95	105	30498	4.492	ug/l	99
82) p-Isopropyltoluene	12.07	119	26312	4.329	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	16719	4.787	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	16678	4.731	ug/l	99
85) n-Butylbenzene	12.39	91	22260	4.171	ug/l	98
86) Hexachloroethane	12.60	117	4139	4.626	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	16344	4.681	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	2168	4.906	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	10998	4.387	ug/l	100
90) Hexachlorobutadiene	13.79	225	5416	4.410	ug/l	96
91) Naphthalene	13.83	128	29827	4.126	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	11461	4.510	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
Data File : VX003713.D
Acq On : 27 Jul 2018 13:31
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

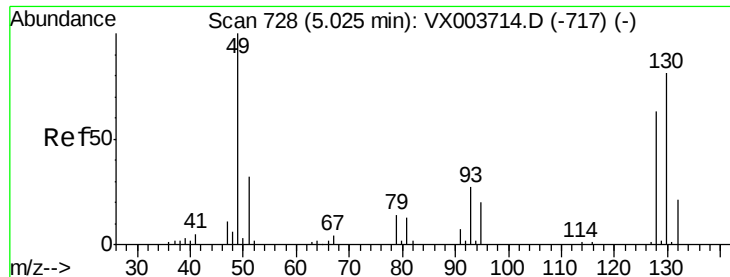
Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM

Quant Time: Jul 27 15:40:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 14:47:33 2018
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# 727

Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

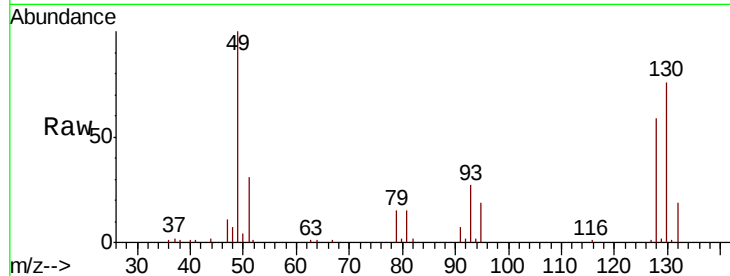
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	18158
Ion	Ratio	Lower	Upper
128	100		
49	170.7	0.0	423.0
130	128.7	0.0	324.3

Manual Integrations
APPROVED

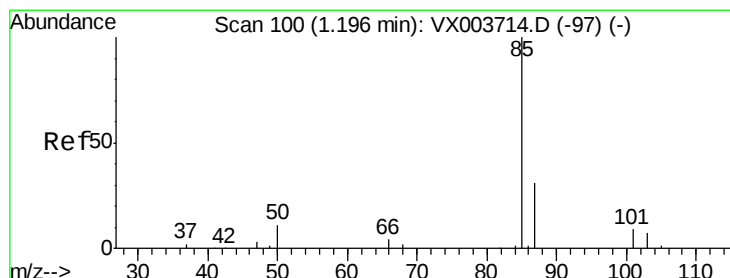
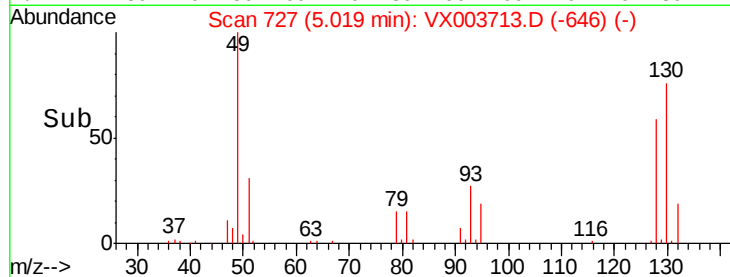
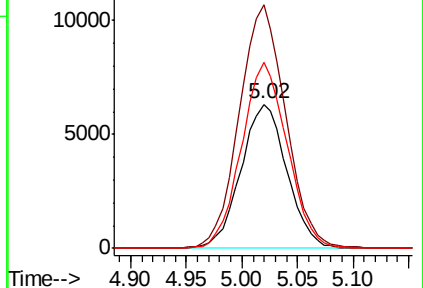
MMDadoda
7/30/2018 3:42:28 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.716 ug/l

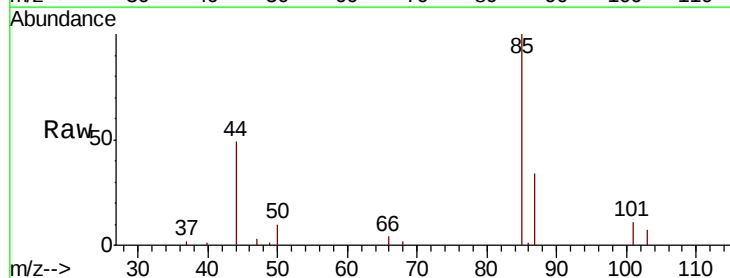
RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003713.D

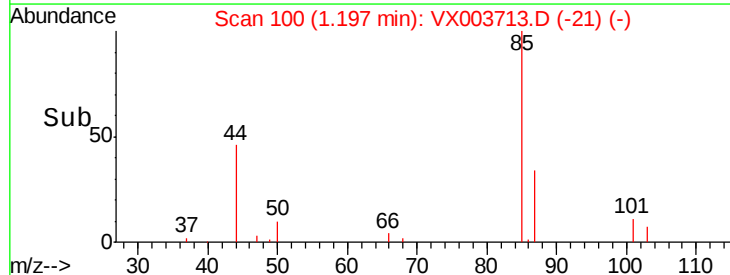
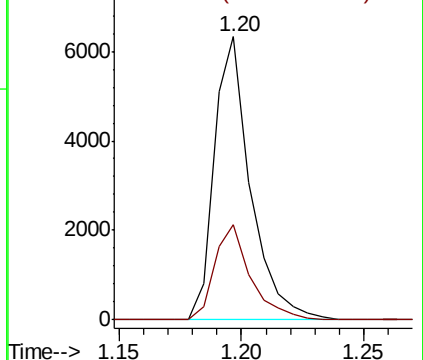
Acq: 27 Jul 2018 13:31

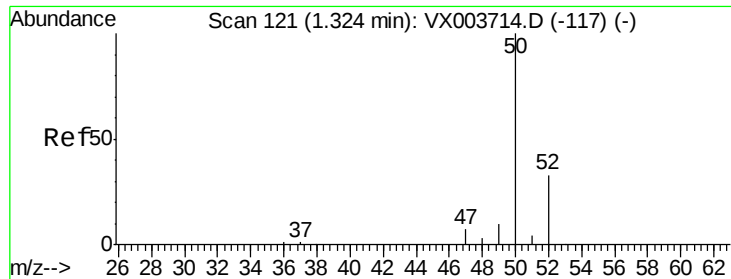
Tgt Ion:	85	Resp:	6501
Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.2	48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.877 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8045

Ion Ratio Lower Upper

50 100

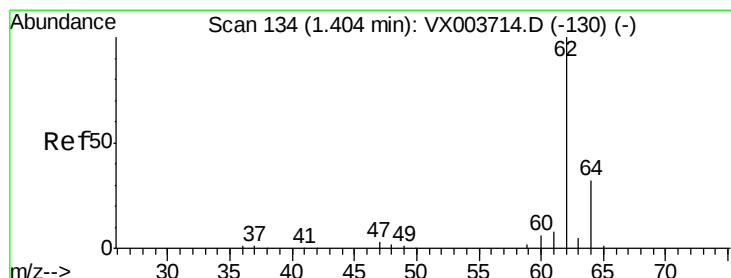
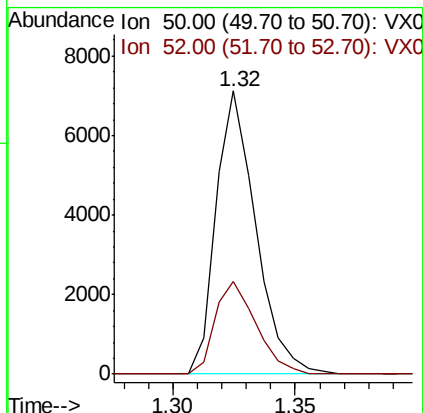
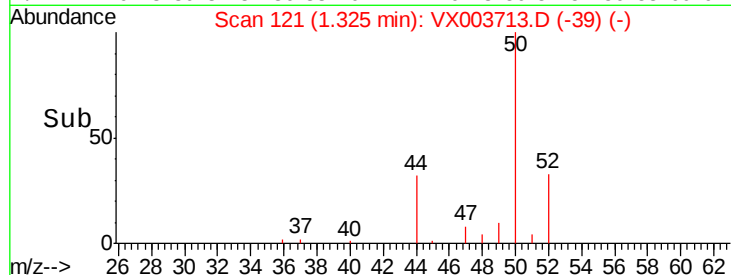
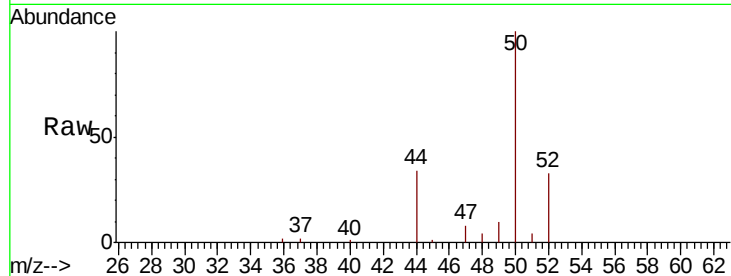
52 32.7 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:28 PM



#4

Vinyl Chloride

Concen: 5.638 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003713.D

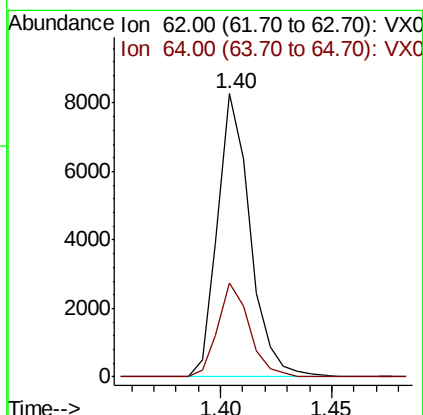
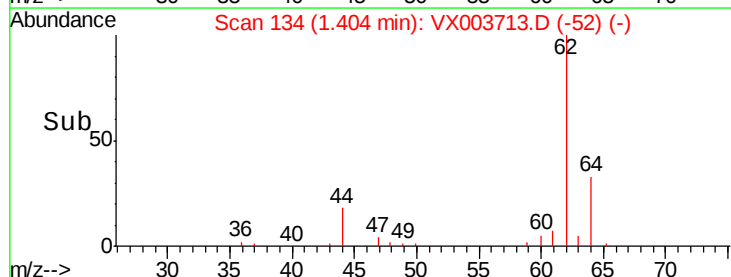
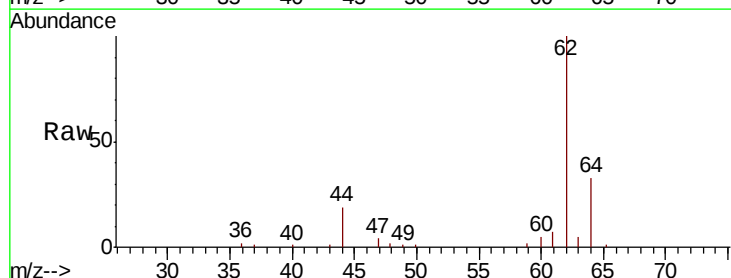
Acq: 27 Jul 2018 13:31

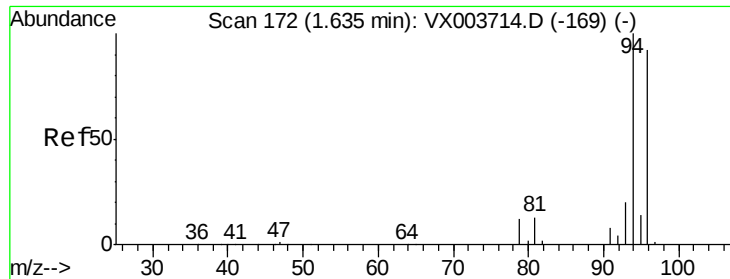
Tgt Ion: 62 Resp: 8416

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 8.330 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5155

Ion Ratio Lower Upper

94 100

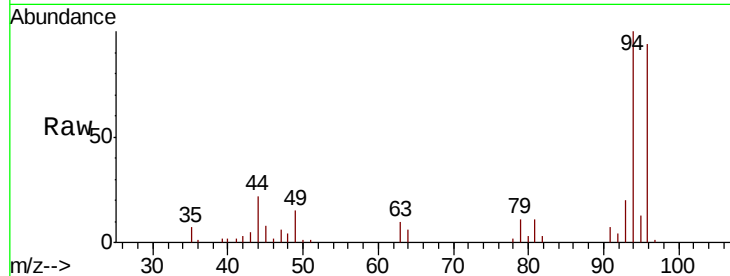
96 94.1 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:28 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

6000

5000

4000

3000

2000

1000

0

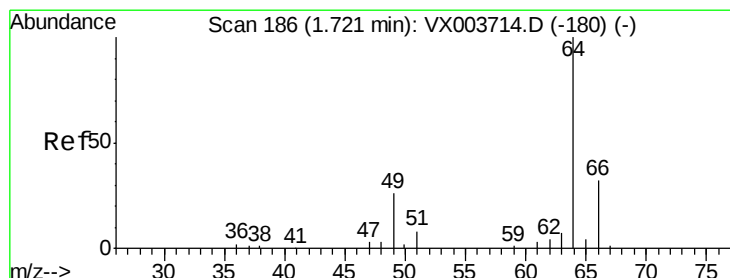
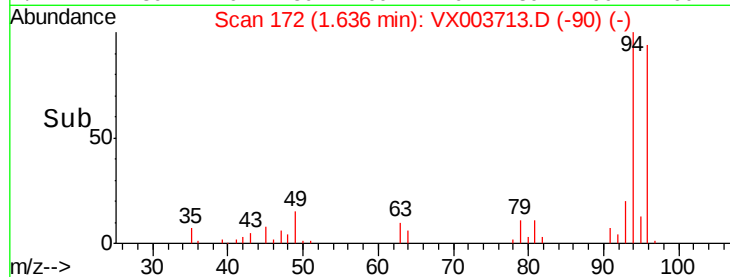
1.64

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 6.356 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003713.D

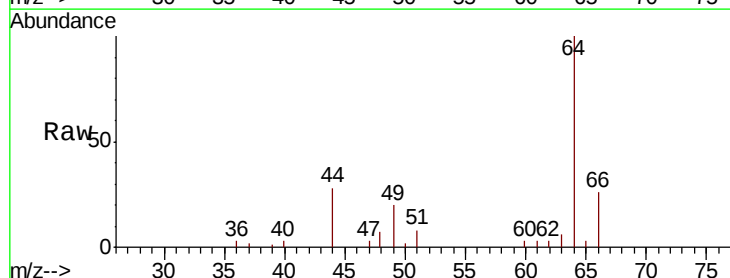
Acq: 27 Jul 2018 13:31

Tgt Ion: 64 Resp: 5654

Ion Ratio Lower Upper

64 100

66 29.1 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

5000

4000

3000

2000

1000

0

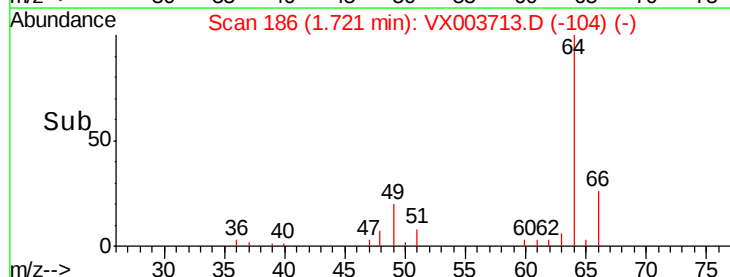
1.72

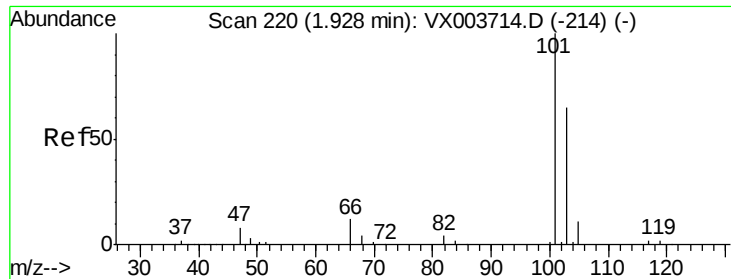
1.65

1.70

1.75

Time-->





#7

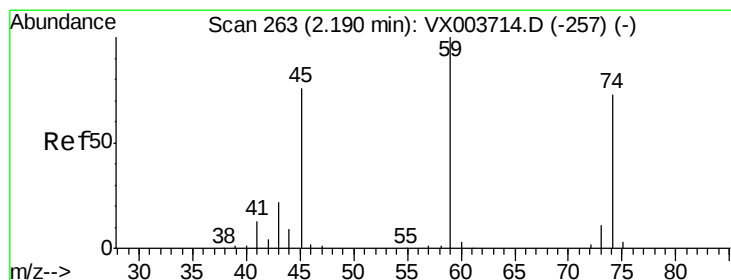
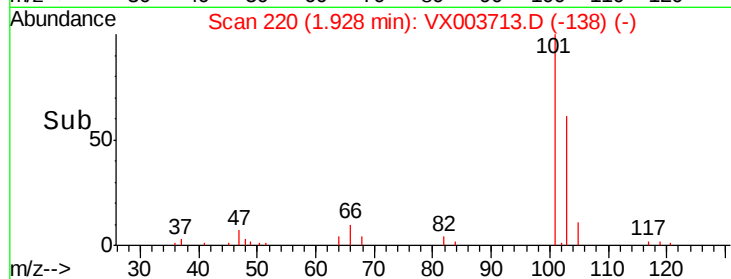
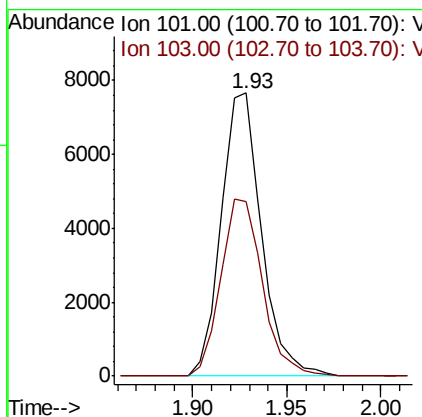
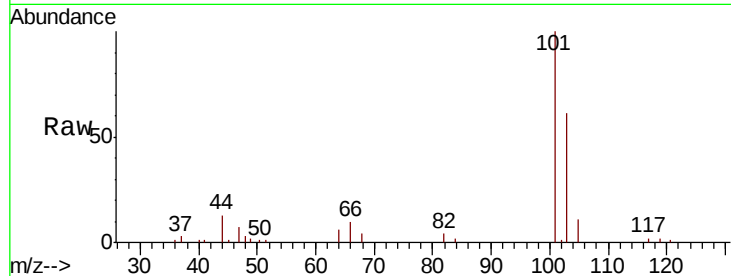
Trichlorofluoromethane
 Concen: 5.701 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.5	77.3

Manual Integrations
 APPROVED

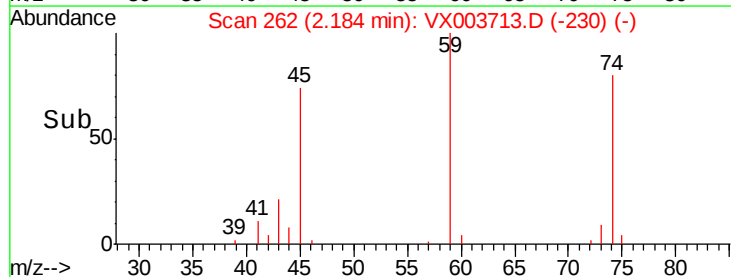
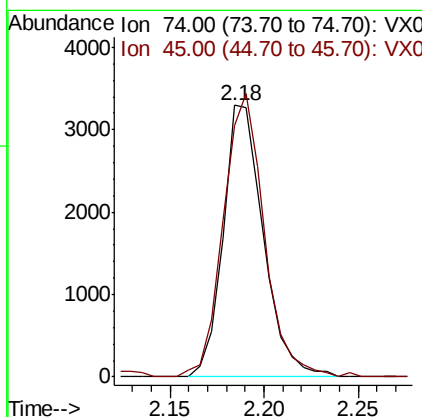
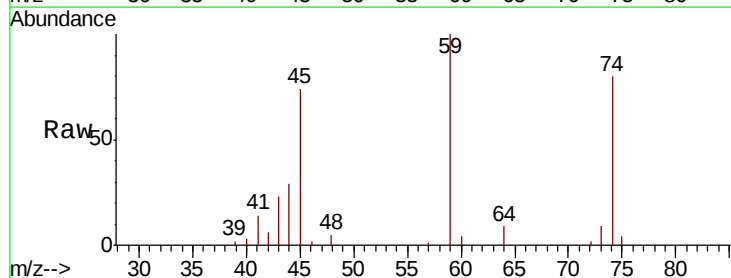
MMDadoda
 7/30/2018 3:42:28 PM

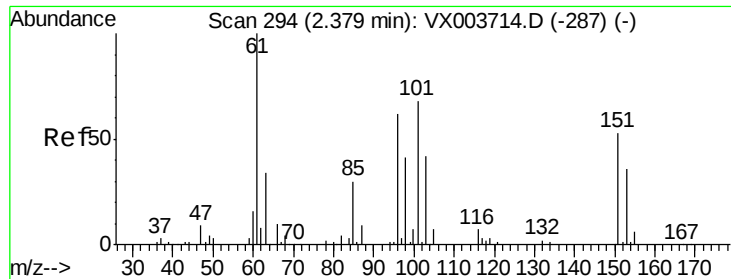


#8

Diethyl Ether
 Concen: 6.021 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.782 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

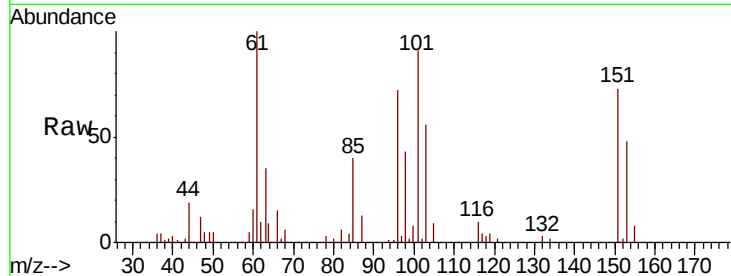
ClientSampleId :

VSTDIC005

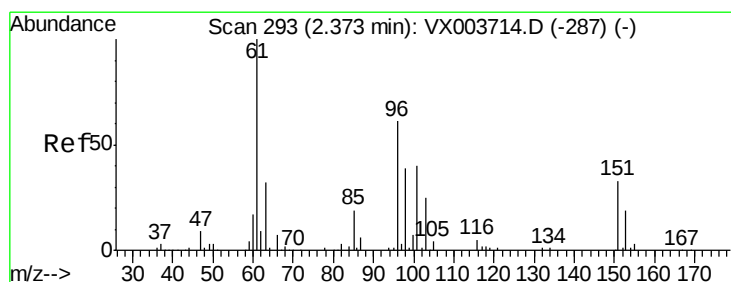
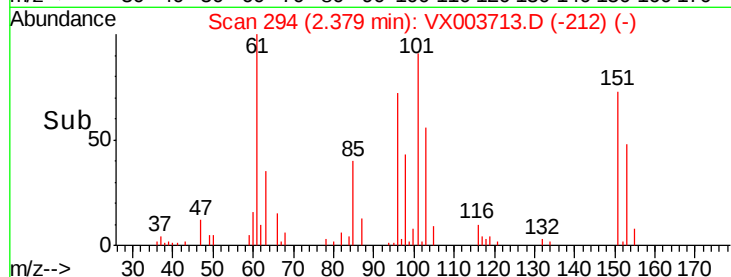
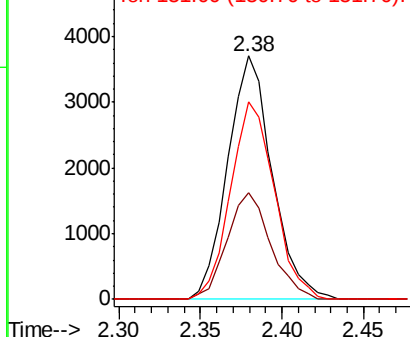
Tot Ion:	101	Resp:	7038
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	87.0
151	80.0	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VX0
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.648 ug/l

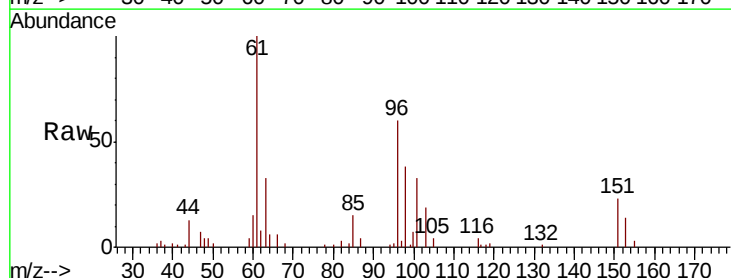
RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

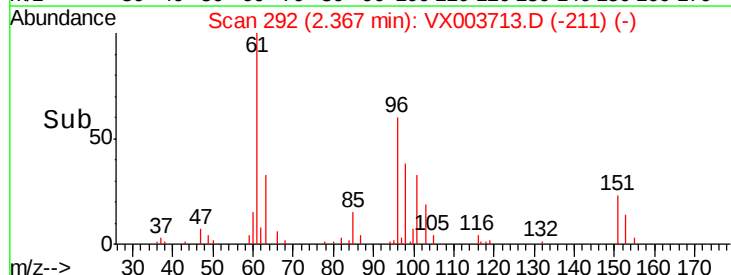
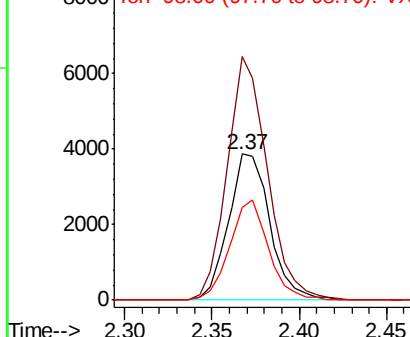
Lab File: VX003713.D

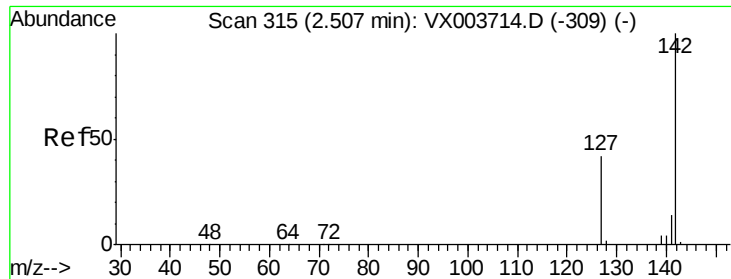
Acq: 27 Jul 2018 13:31

Tgt Ion:	96	Resp:	6379
Ion Ratio	Lower	Upper	
96	100		
61	166.8	137.5	206.3
98	63.1	51.4	77.2



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





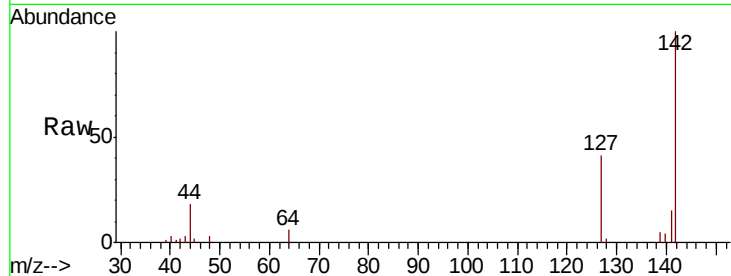
#11
Methyl Iodide
Concen: 6.088 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.6	23.2	69.6
141	15.2	7.4	22.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM

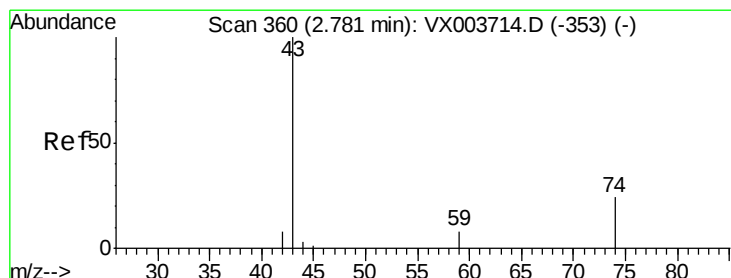
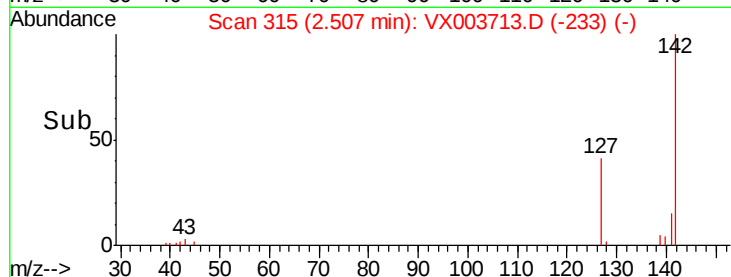
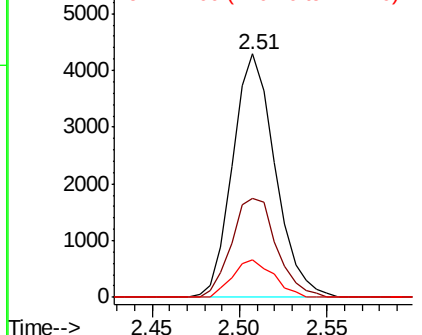


Abundance

Ion 142.00 (141.70 to 142.70): V

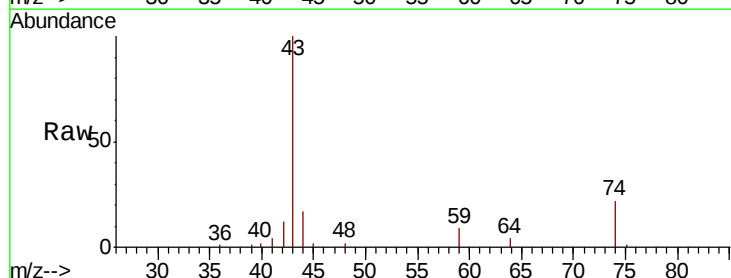
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12
Methyl Acetate
Concen: 5.813 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

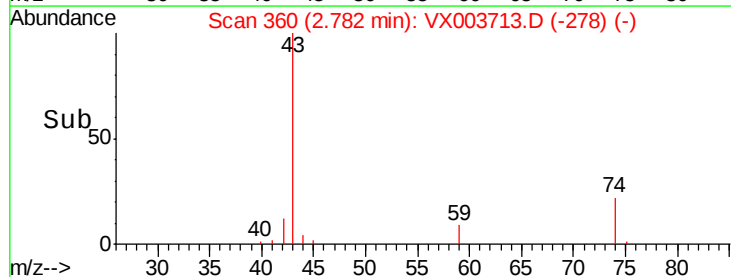
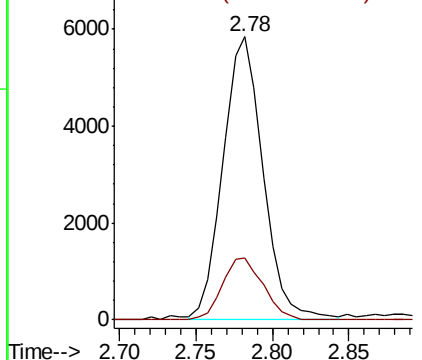
Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	16.4	24.6

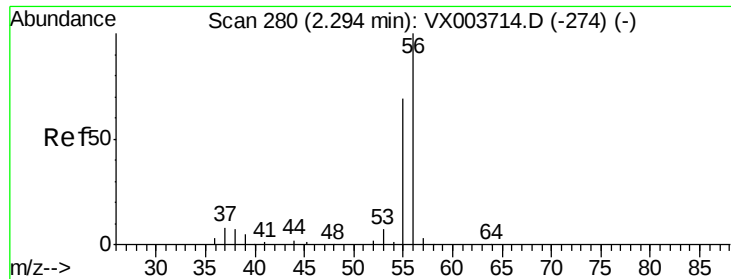


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 16.220 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2311

Ion Ratio Lower Upper

56 100

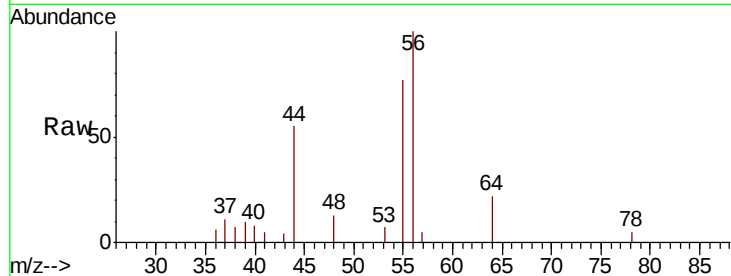
55 78.1 57.3 85.9

Manual Integrations

APPROVED

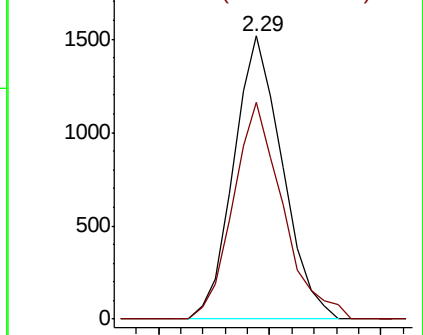
MMDadoda

7/30/2018 3:42:28 PM

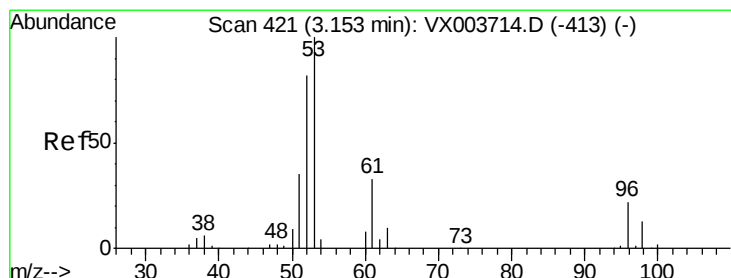
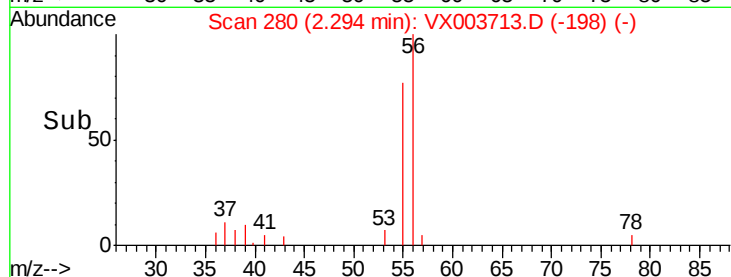


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Acrylonitrile

Concen: 32.782 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

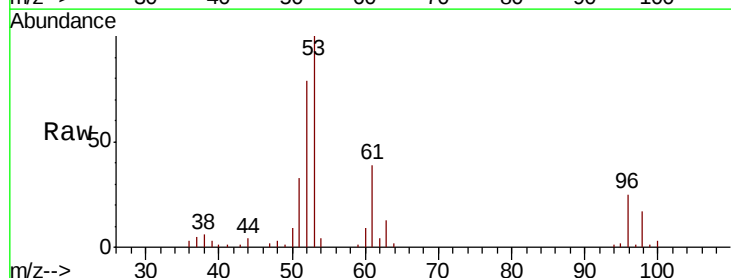
Tgt Ion: 53 Resp: 22623

Ion Ratio Lower Upper

53 100

52 81.9 41.5 124.6

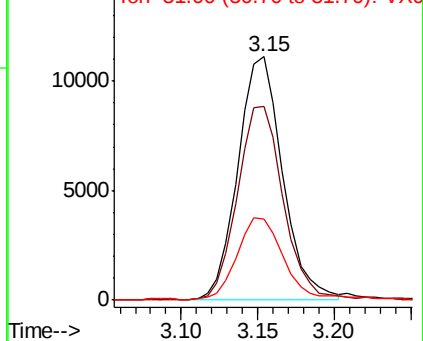
51 34.3 17.9 53.8



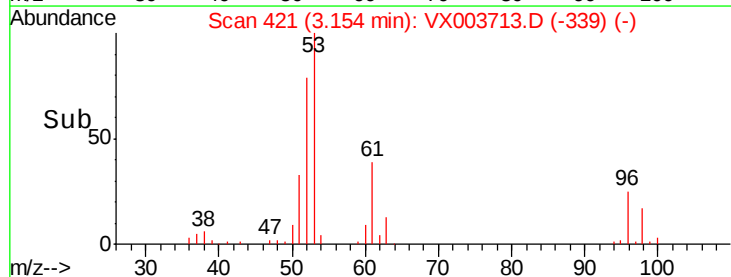
Abundance Ion 53.00 (52.70 to 53.70): VX0

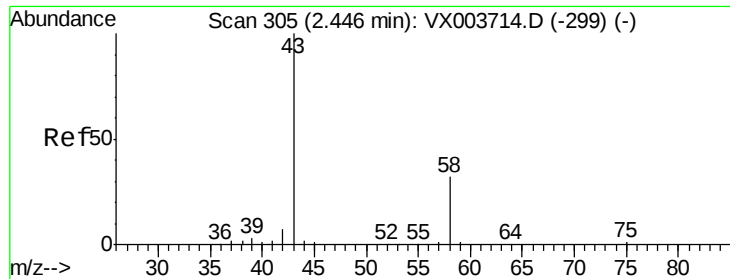
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#15

Acetone

Concen: 36.056 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 6523

Ion Ratio Lower Upper

58 100

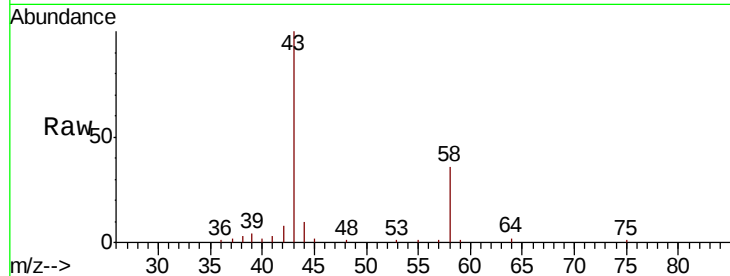
43 273.8 278.8 418.2#

Manual Integrations

APPROVED

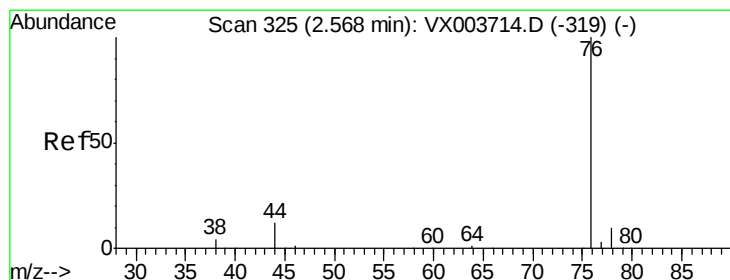
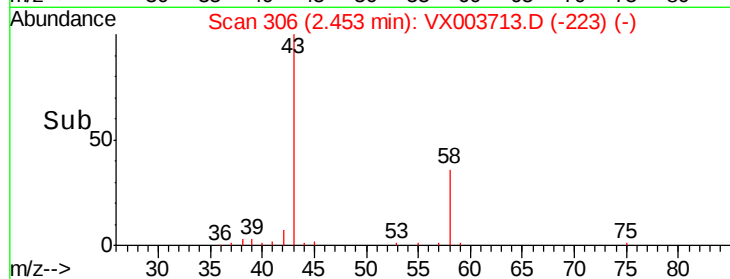
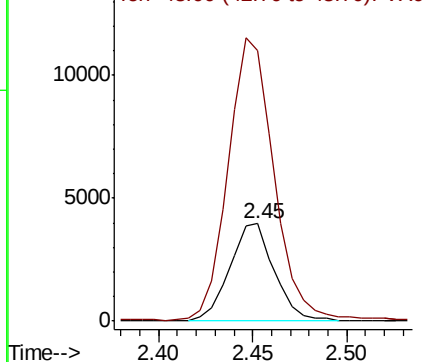
MMDadoda

7/30/2018 3:42:28 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.307 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003713.D

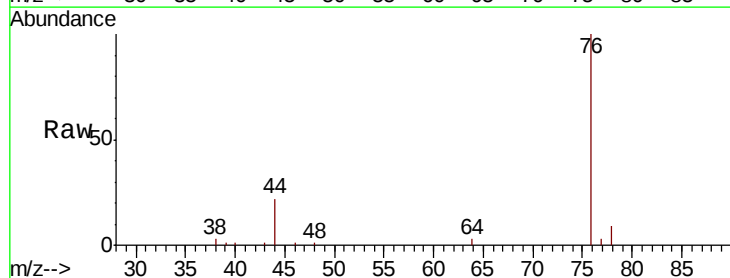
Acq: 27 Jul 2018 13:31

Tgt Ion: 76 Resp: 17123

Ion Ratio Lower Upper

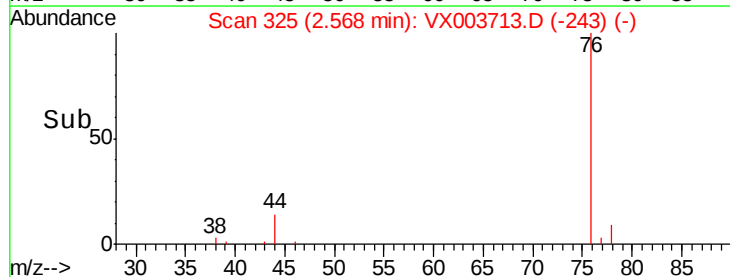
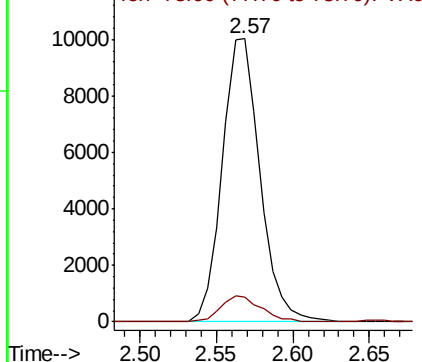
76 100

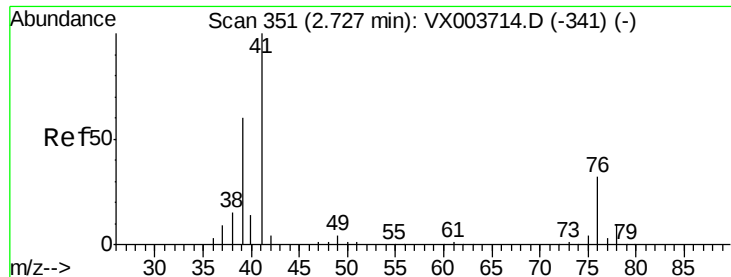
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





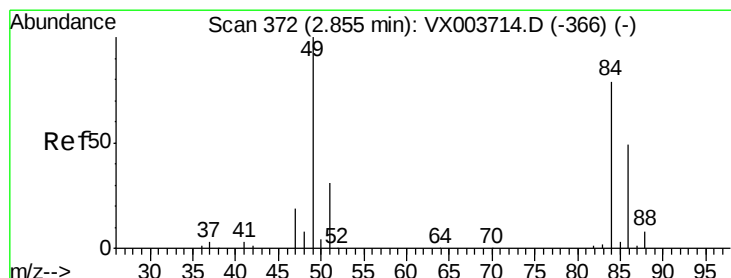
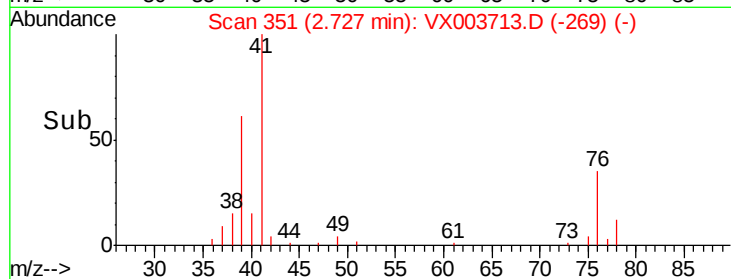
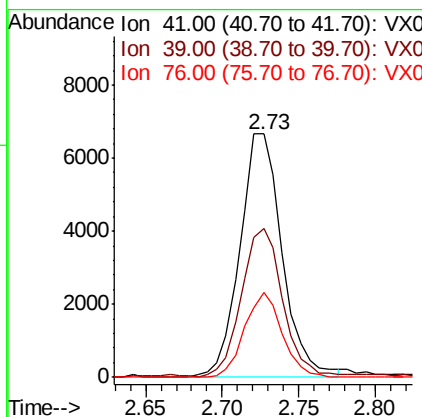
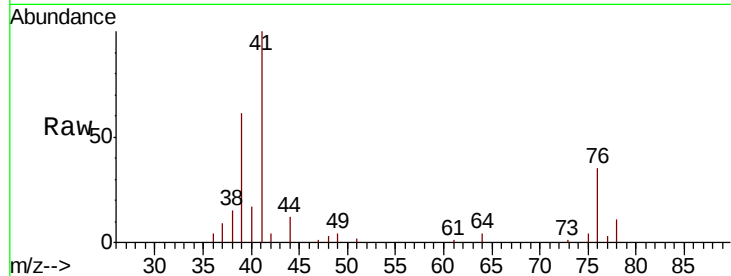
#17
Allvl chloride
Concen: 5.973 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	34.6	103.8
76	34.9	15.0	45.1

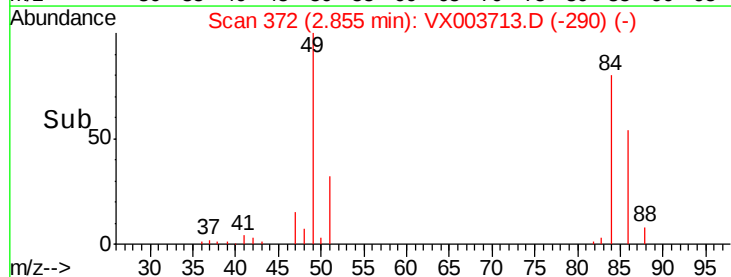
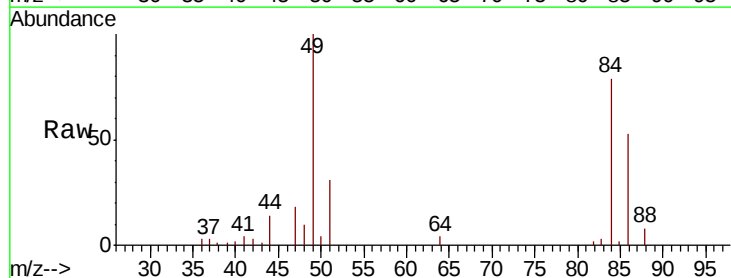
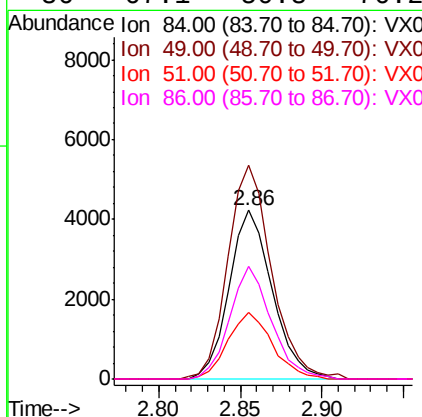
Manual Integrations
APPROVED

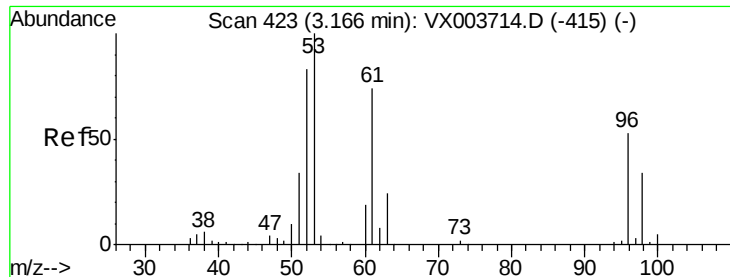
MMDadoda
7/30/2018 3:42:28 PM



#18
Methylene Chloride
Concen: 5.861 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	104.7	157.1
51	39.6	31.0	46.4
86	67.1	50.8	76.2





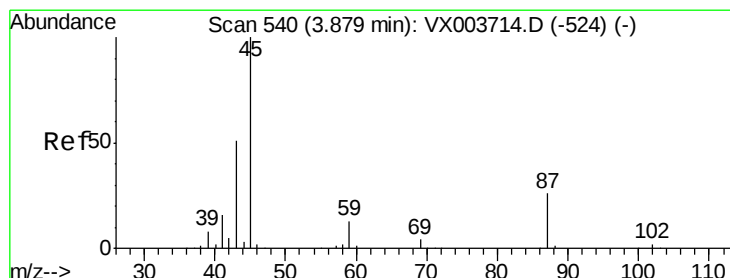
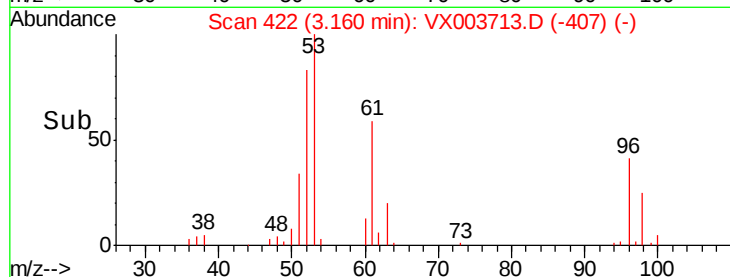
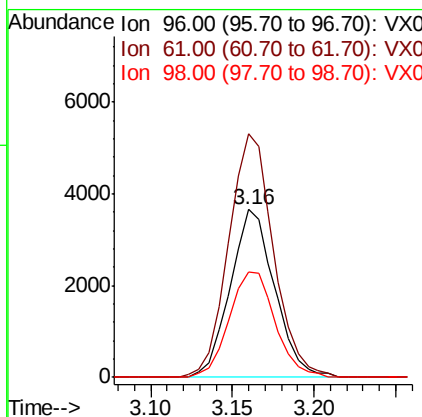
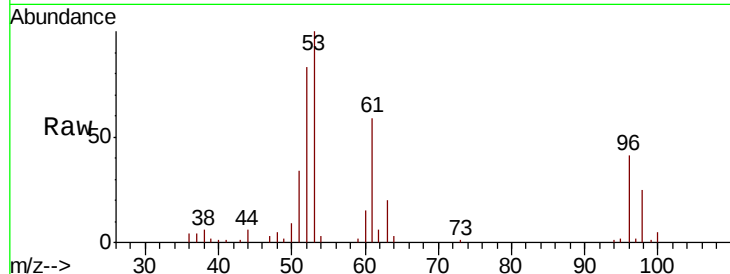
#19
trans-1,2-Dichloroethene
Concen: 5.687 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	114.6	172.0
98	62.4	51.3	76.9

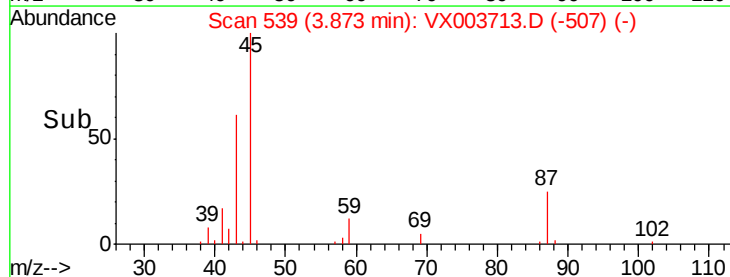
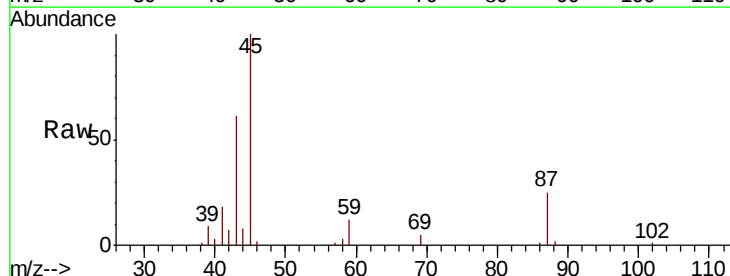
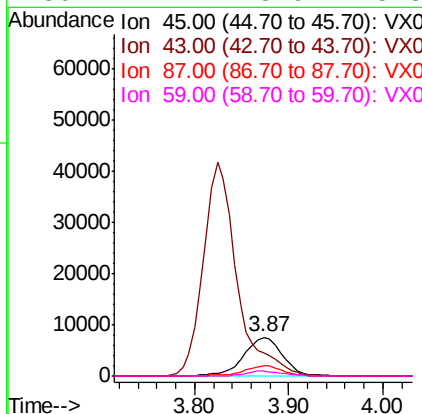
Manual Integrations
APPROVED

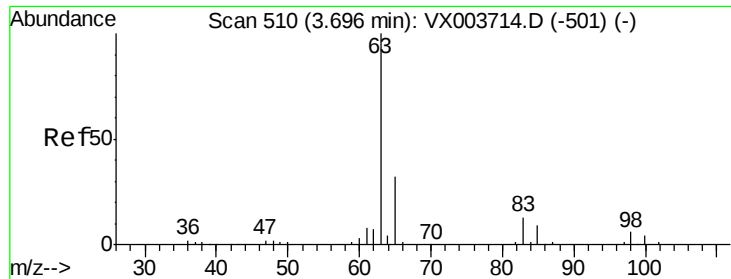
MMDadoda
7/30/2018 3:42:28 PM



#20
Diisopropyl ether
Concen: 5.593 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	45.6	68.4
87	25.4	20.7	31.1
59	12.4	8.9	13.3





#21

1,1-Dichloroethane

Concen: 6.018 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

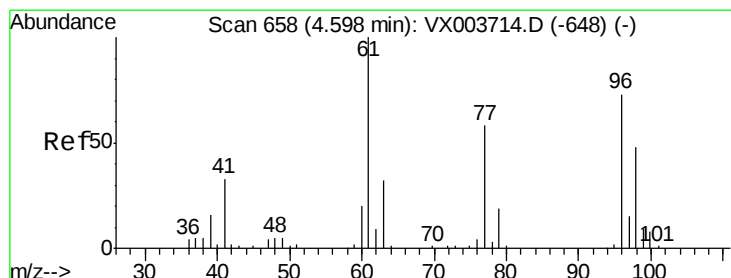
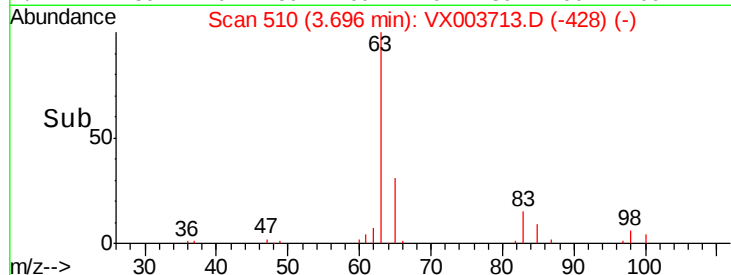
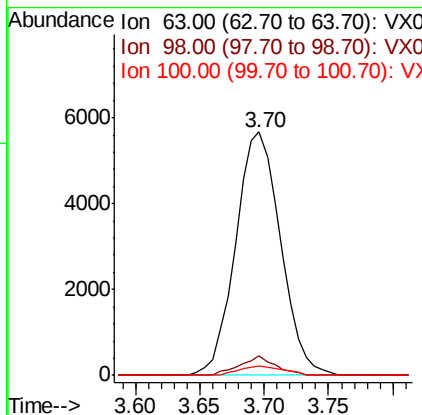
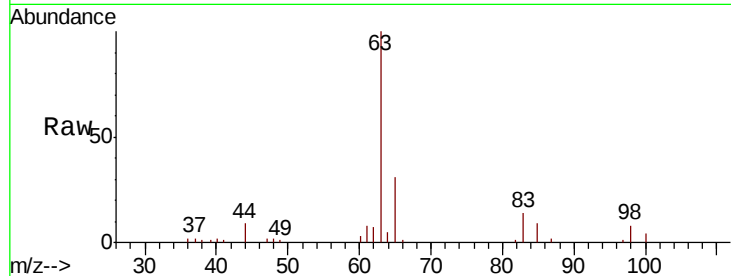
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	13702
Ion Ratio	Lower	Upper	
63	100		
98	8.1	3.1	9.3
100	3.8	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



#22

cis-1,2-Dichloroethene

Concen: 4.690 ug/l

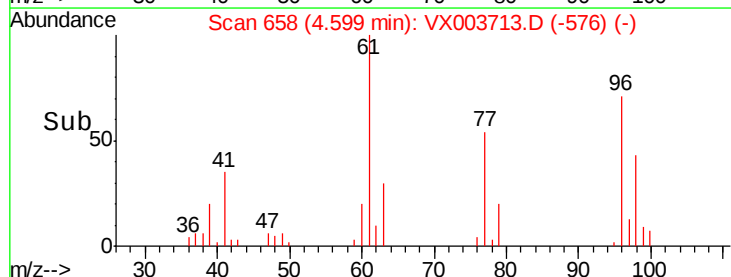
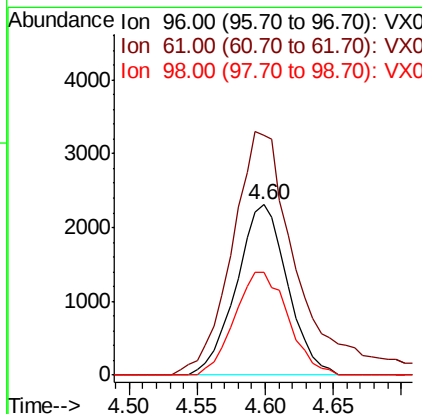
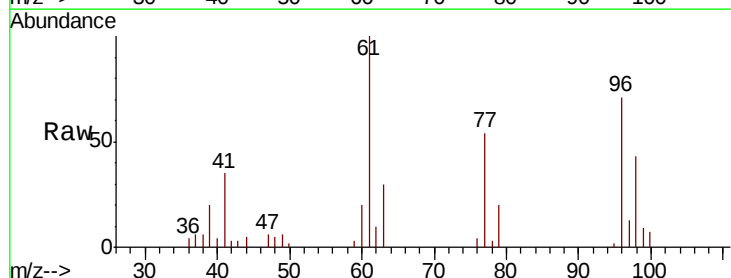
RT: 4.60 min Scan# 658

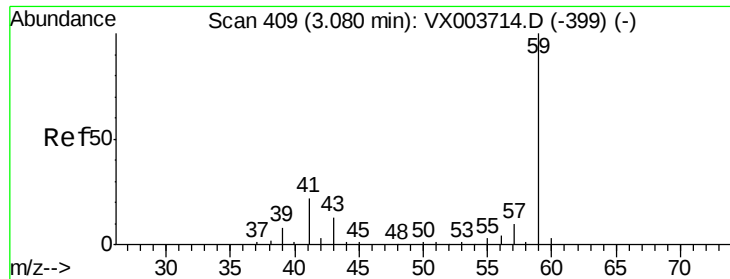
Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Tgt Ion:	96	Resp:	6073
Ion Ratio	Lower	Upper	
96	100		
61	181.2	160.2	240.2
98	63.3	54.1	81.1





#23

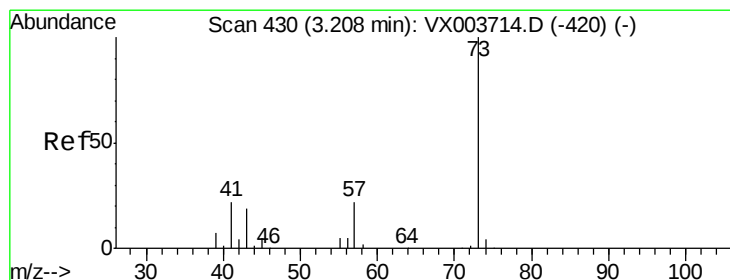
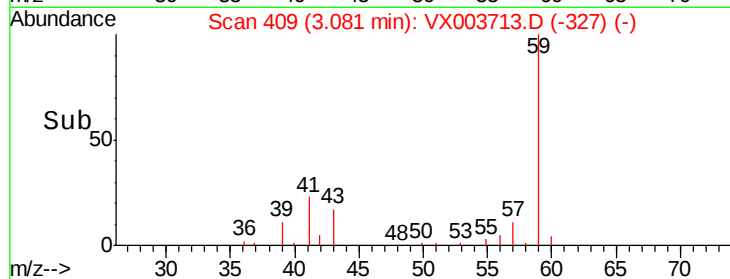
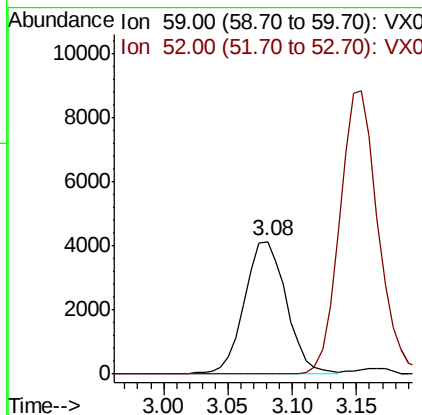
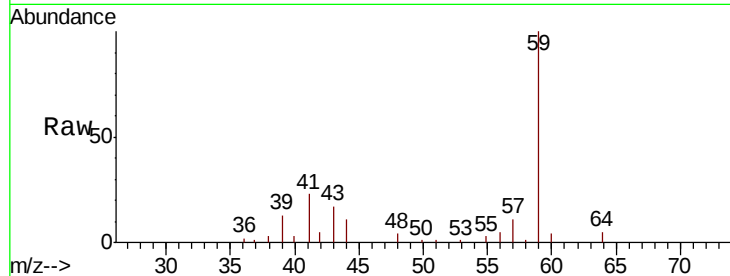
tert-Butyl Alcohol
 Concen: 32.747 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#

Manual Integrations
 APPROVED

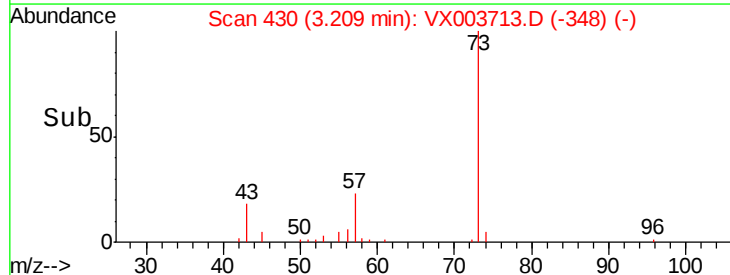
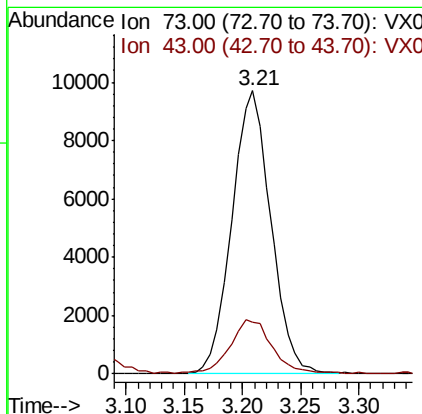
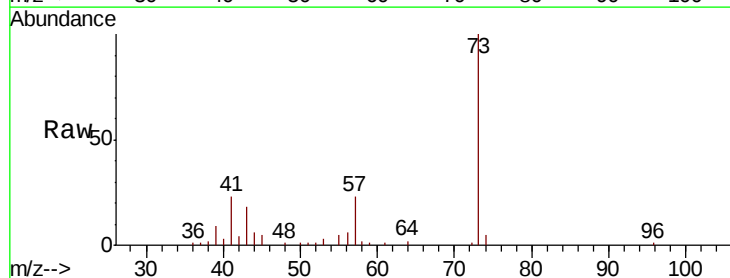
MMDadoda
 7/30/2018 3:42:28 PM

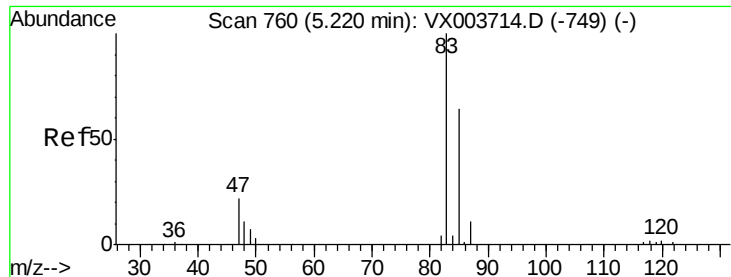


#24

Methyl tert-Butyl Ether
 Concen: 6.019 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.7	19.0	28.4





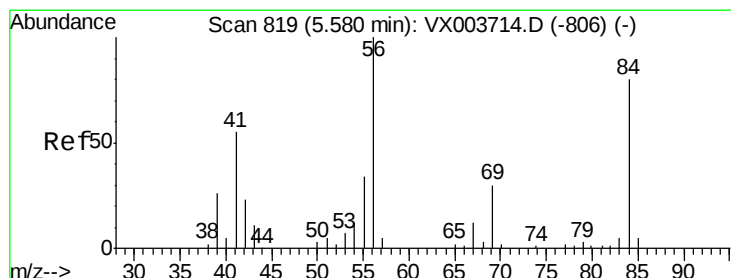
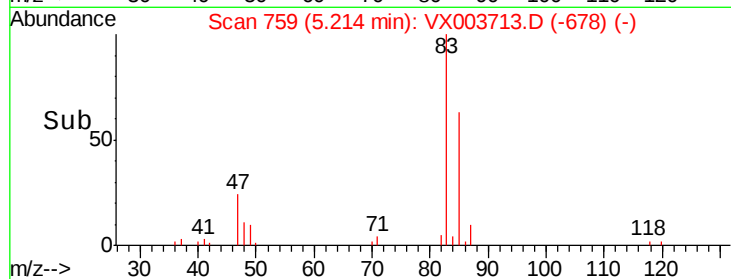
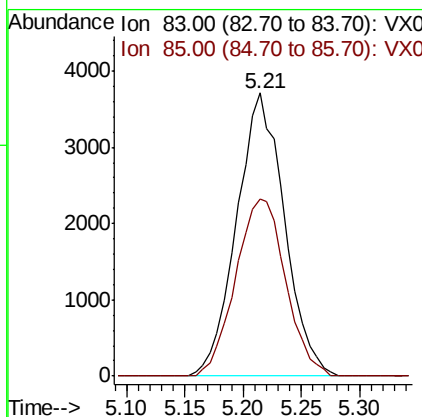
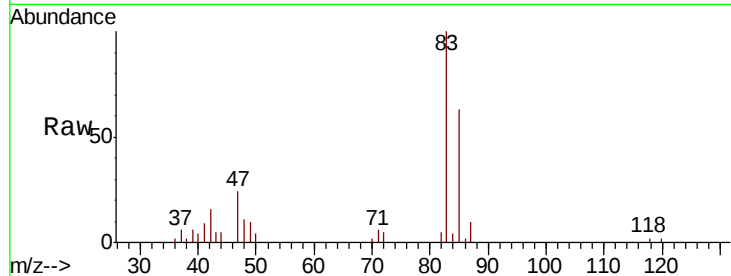
#25
Chloroform
Concen: 5.177 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	10614
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.9	77.9

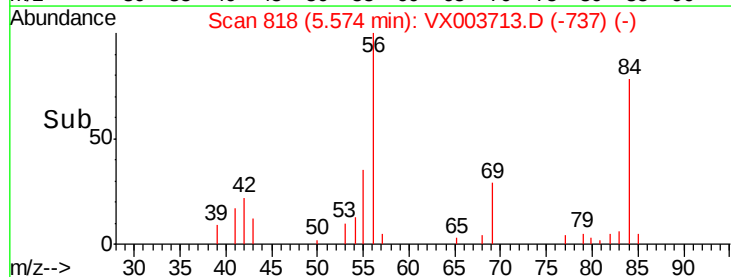
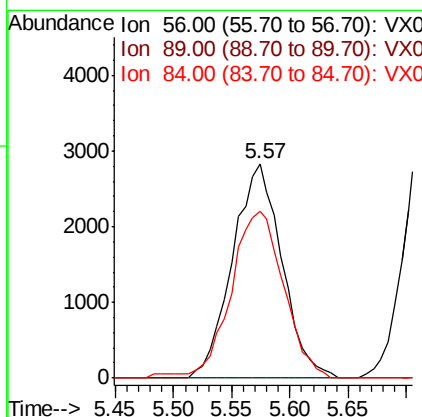
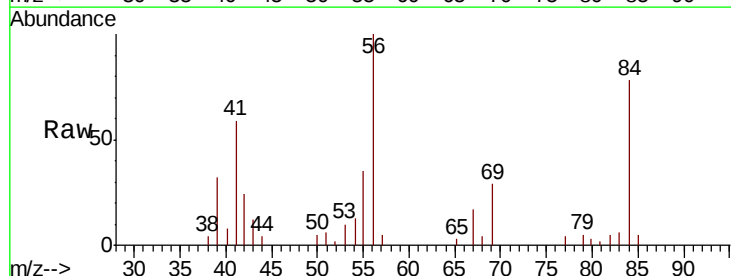
Manual Integrations
APPROVED

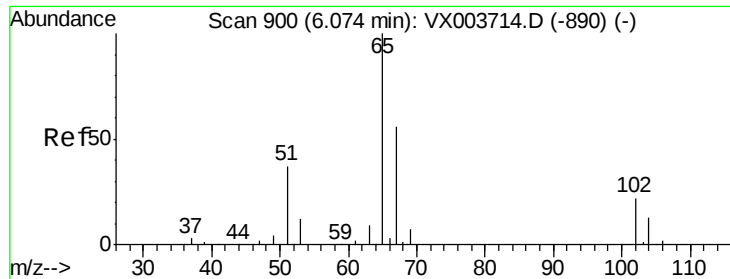
MMDadoda
7/30/2018 3:42:28 PM



#26
Cyclohexane
Concen: 4.706 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	56	Resp	8364
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.1	0.1#
84	82.1	64.9	97.3





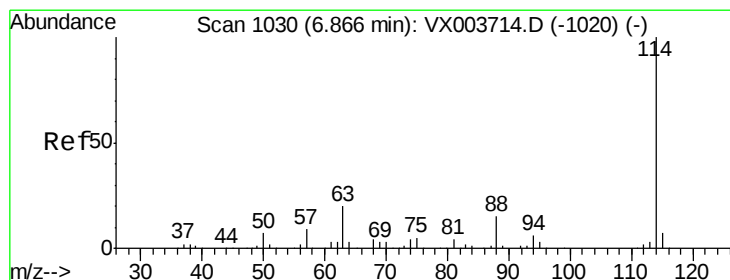
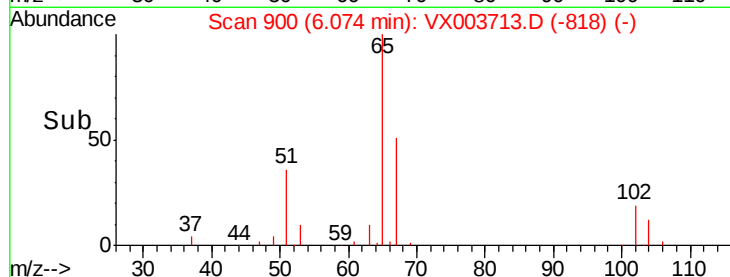
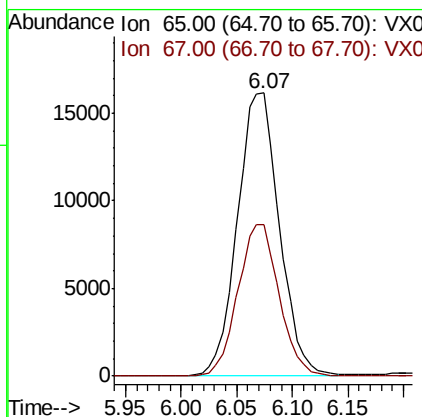
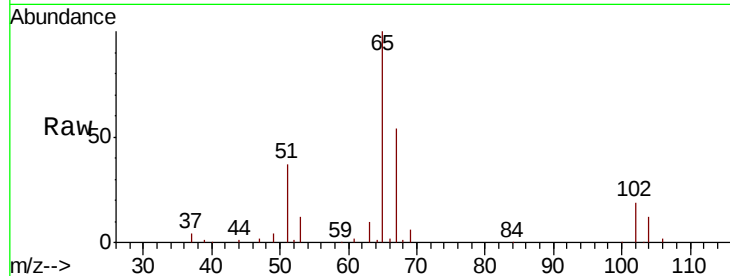
#27
 1,2-Dichloroethane-d4
 Concen: 34.099 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	40.9	61.3

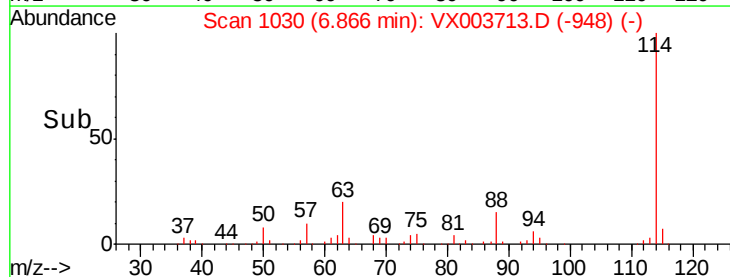
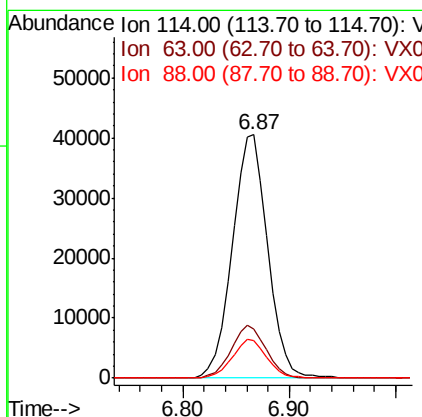
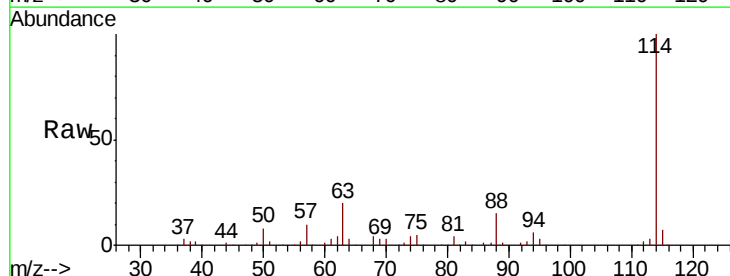
Manual Integrations
 APPROVED

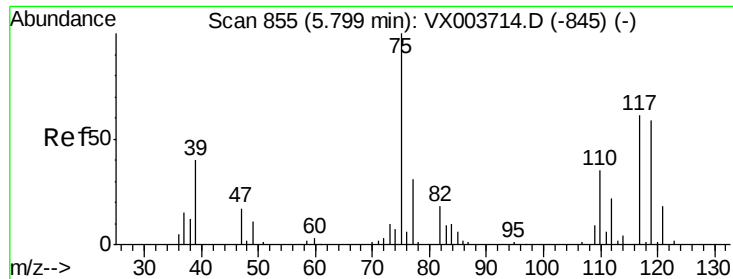
MMDadoda
 7/30/2018 3:42:28 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.1	25.7
88	15.7	12.6	19.0





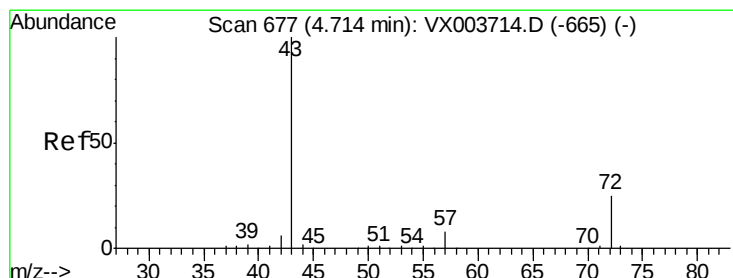
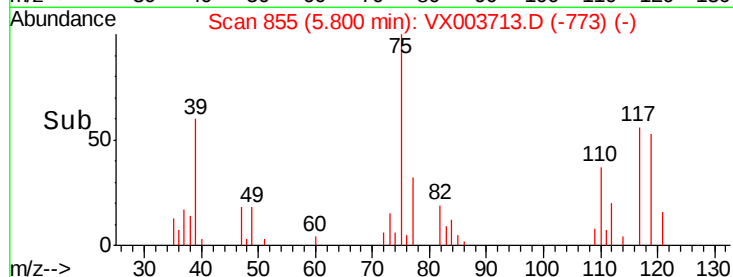
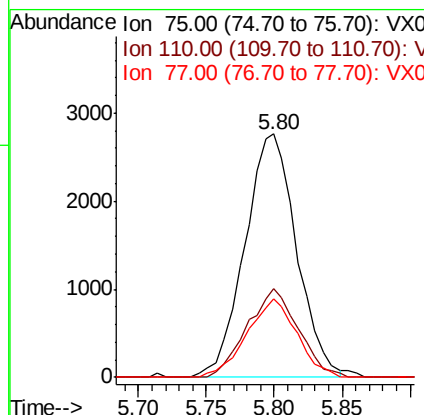
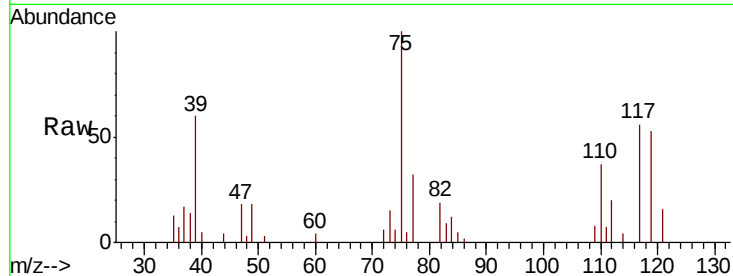
#29
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	71.4
77	31.2	0.0	60.6

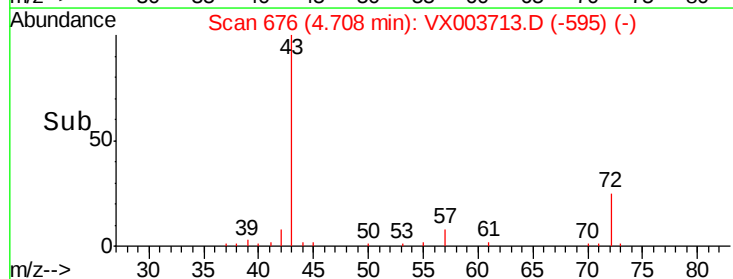
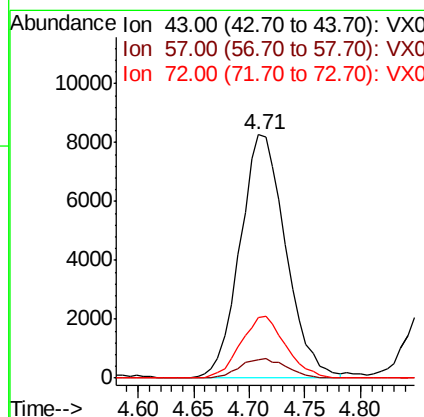
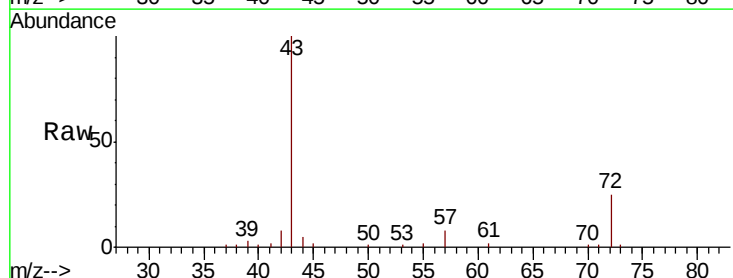
Manual Integrations
 APPROVED

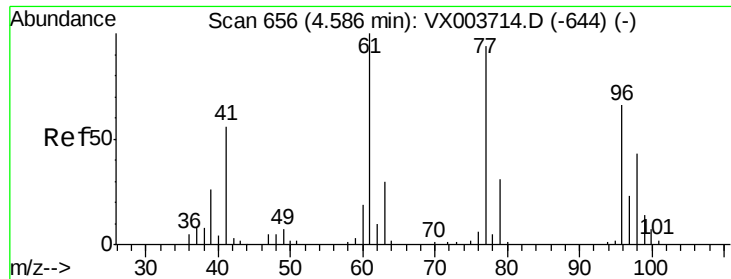
MMDadoda
 7/30/2018 3:42:28 PM



#30
 2-Butanone
 Concen: 28.557 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.1	9.1
72	24.8	18.1	27.1





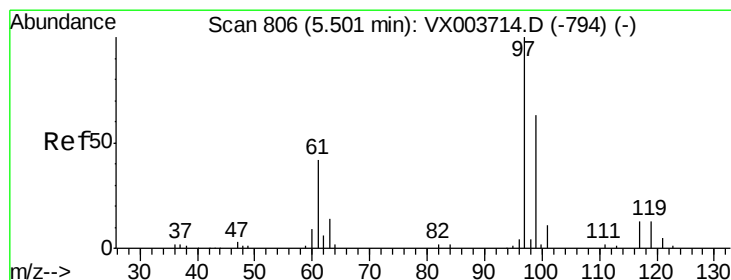
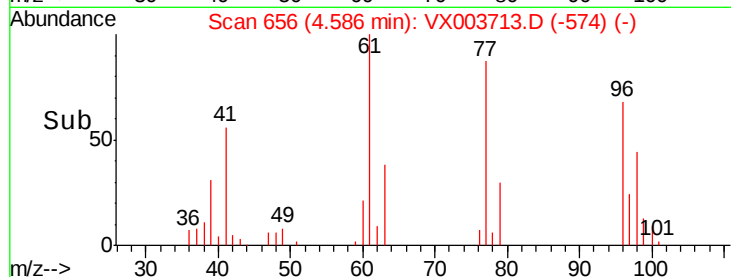
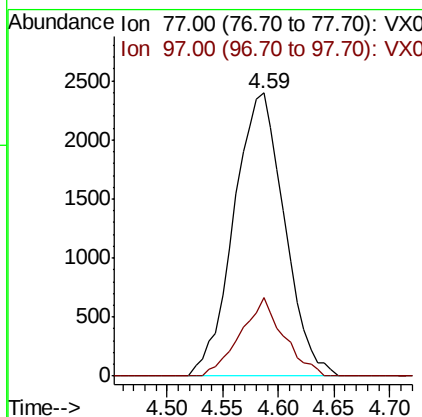
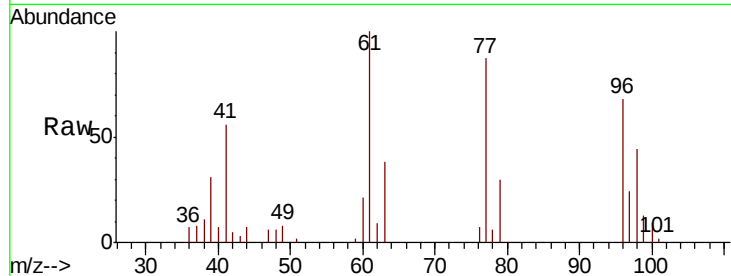
#31
 2,2-Dichloropropane
 Concen: 4.723 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 7571
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1

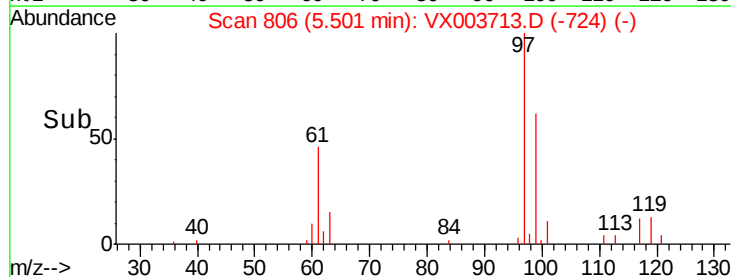
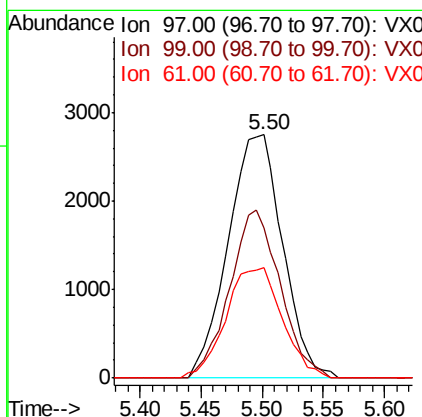
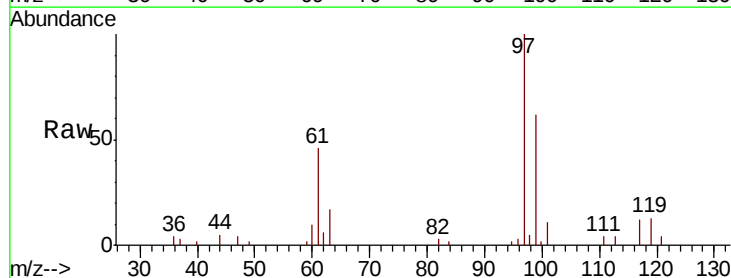
Manual Integrations
 APPROVED

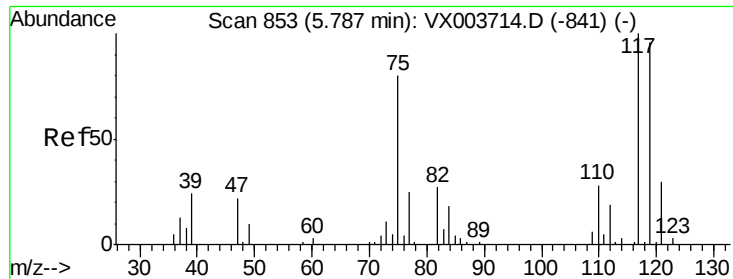
MMDadoda
 7/30/2018 3:42:28 PM



#32
 1,1,1-Trichloroethane
 Concen: 5.069 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion: 97 Resp: 8519
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.7 77.5
 61 46.9 36.4 54.6





#33

Carbon Tetrachloride

Concen: 4.882 ug/l m

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

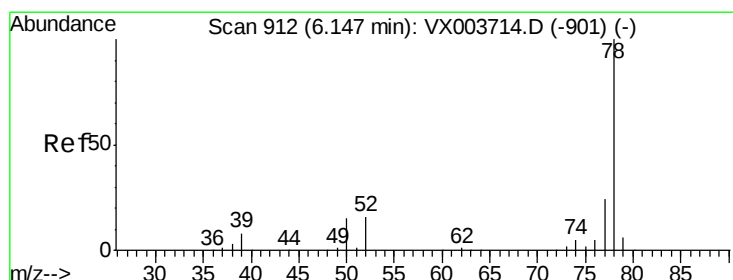
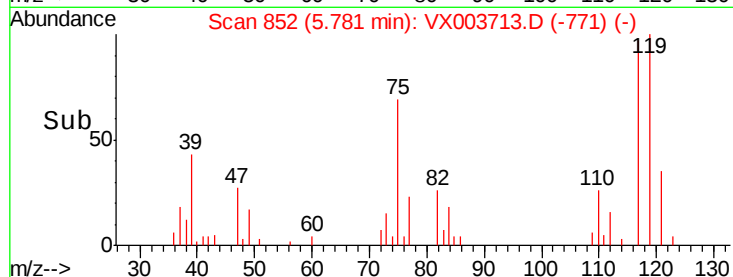
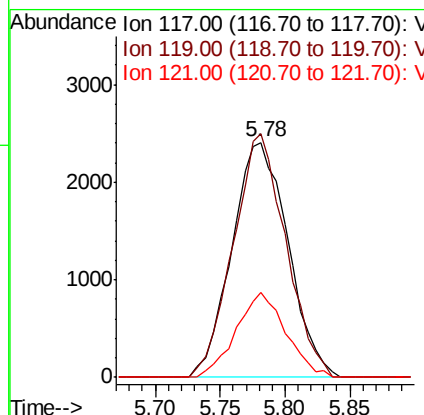
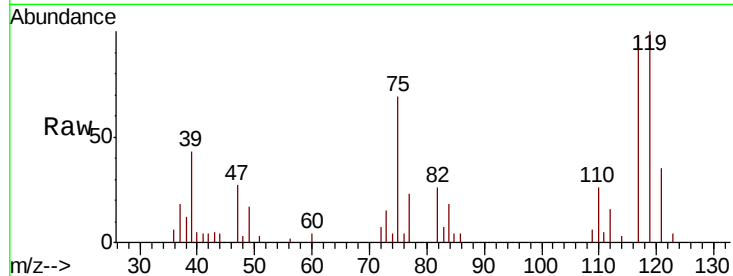
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	103.5	73.3	109.9
121	35.9	23.6	35.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



#34

Benzene

Concen: 5.259 ug/l

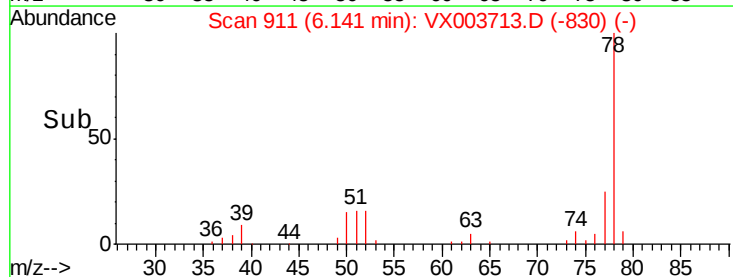
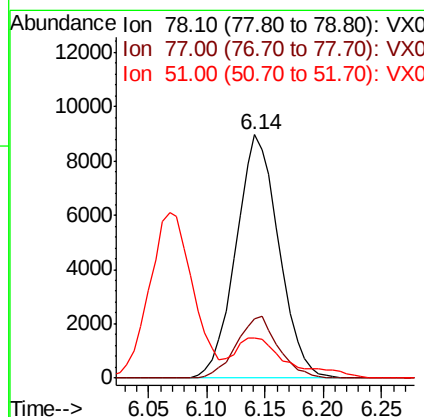
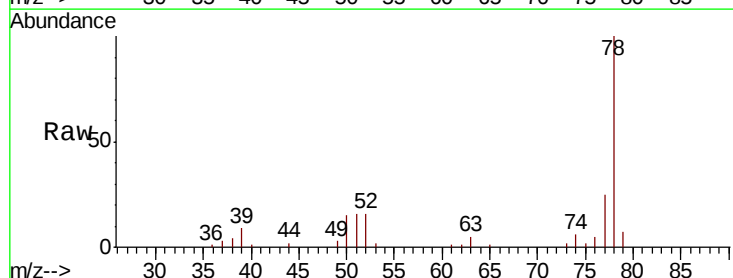
RT: 6.14 min Scan# 911

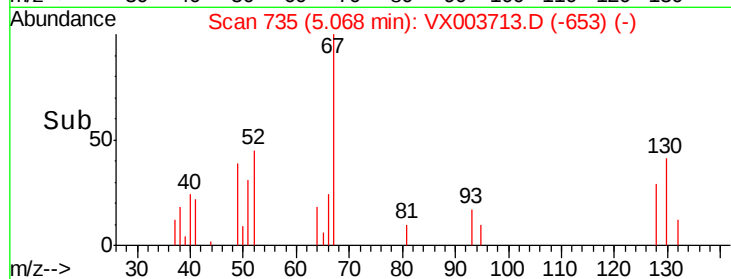
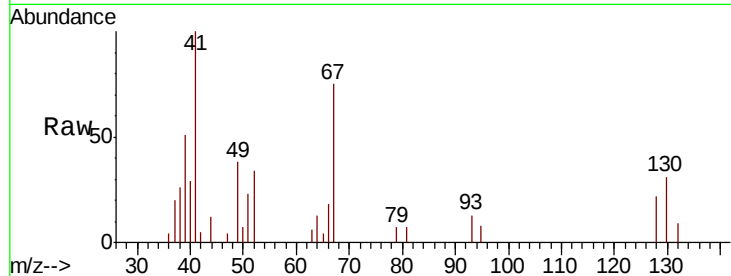
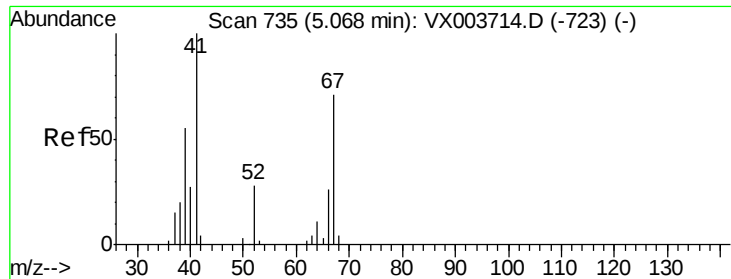
Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0
51	13.6	13.8	20.6





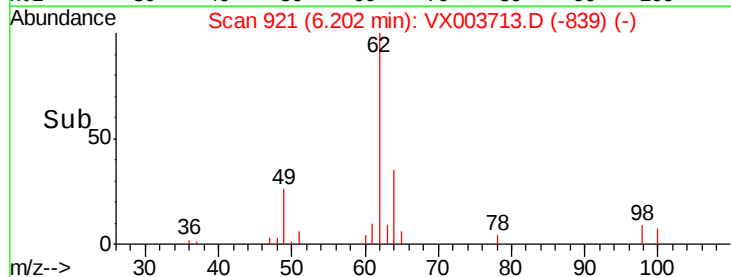
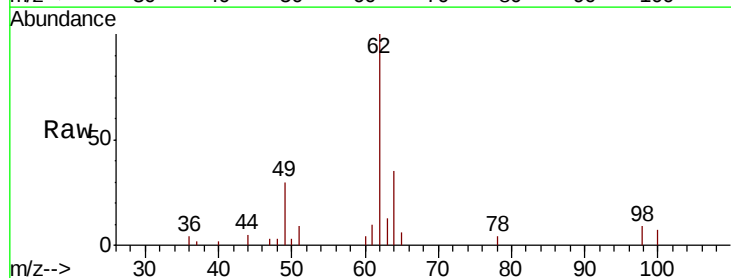
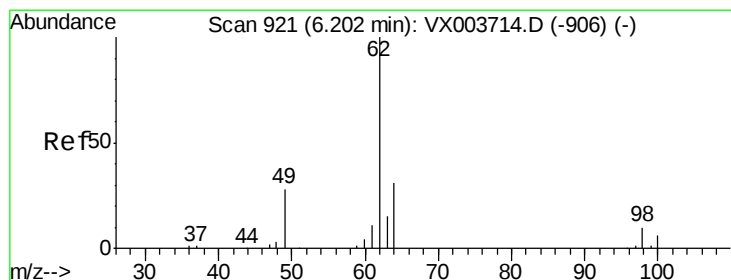
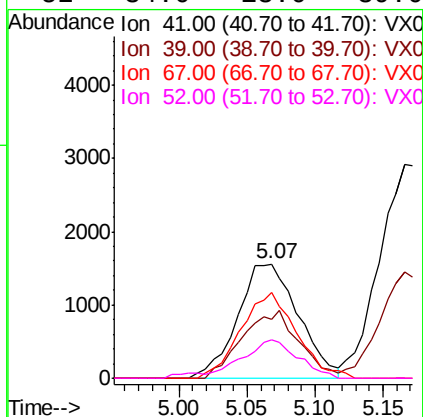
#35
Methacrylonitrile
Concen: 5.557 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tot Ion:	41	Resp:	4876
Ion	Ratio	Lower	Upper
41	100		
39	51.4	28.8	86.5
67	75.1	30.4	91.2
52	34.0	13.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

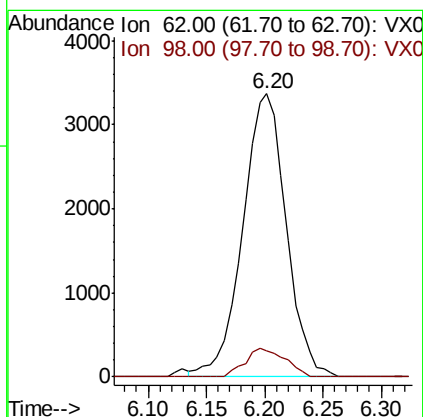
Manual Integrations
APPROVED

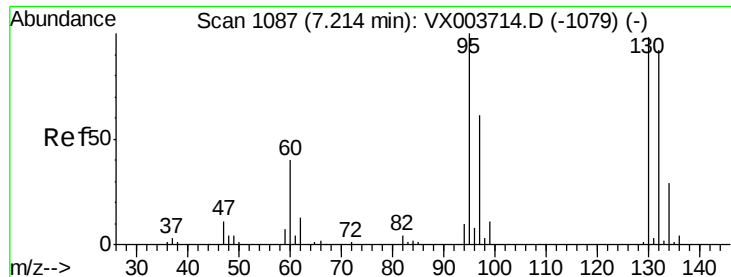
MMDadoda
7/30/2018 3:42:28 PM



#36
1,2-Dichloroethane
Concen: 5.747 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion:	62	Resp:	8735
Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.5	9.7





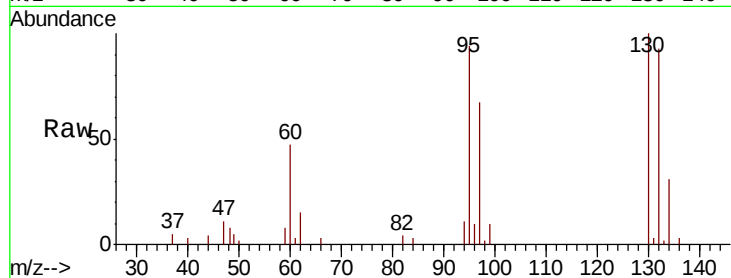
#37
 Trichloroethene
 Concen: 4.833 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

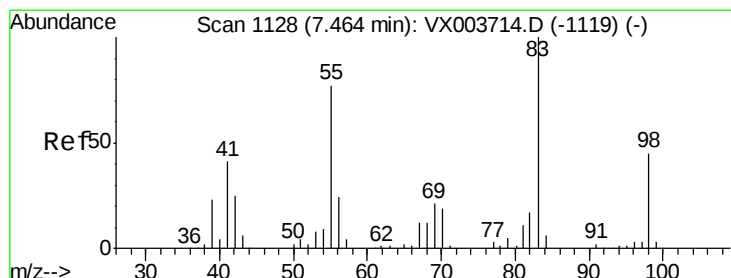
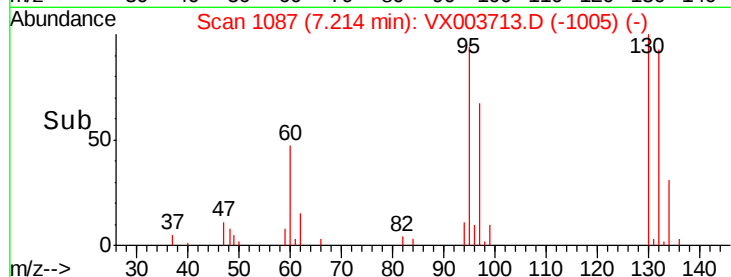
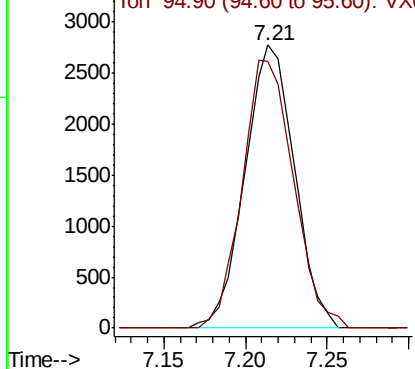
Tot Ion:130 Resp: 5842
 Ion Ratio Lower Upper
 130 100
 95 94.2 81.5 122.3

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:28 PM

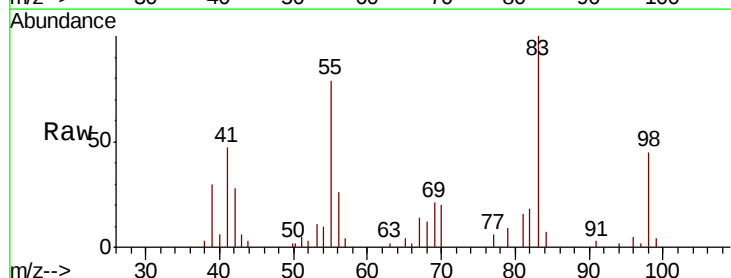


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

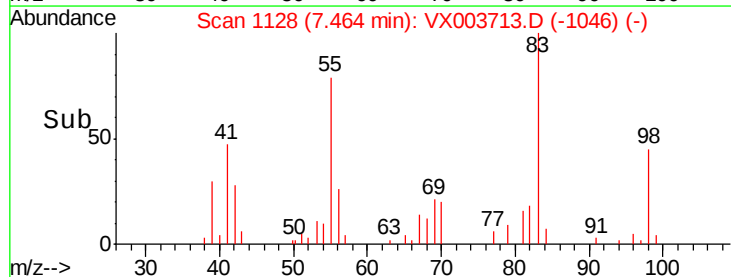
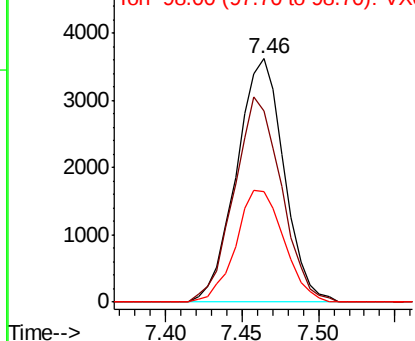


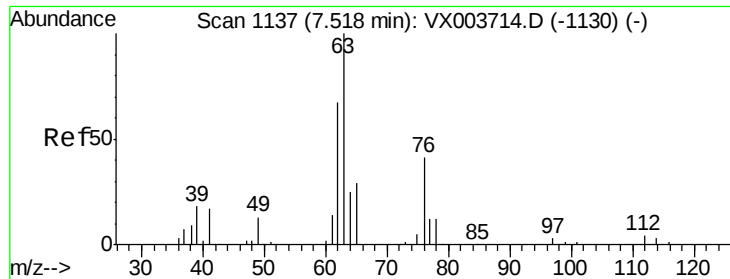
#38
 Methylcyclohexane
 Concen: 4.655 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion: 83 Resp: 7810
 Ion Ratio Lower Upper
 83 100
 55 83.7 40.6 121.8
 98 46.4 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





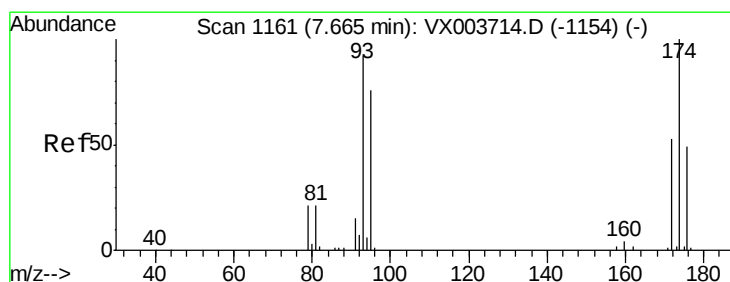
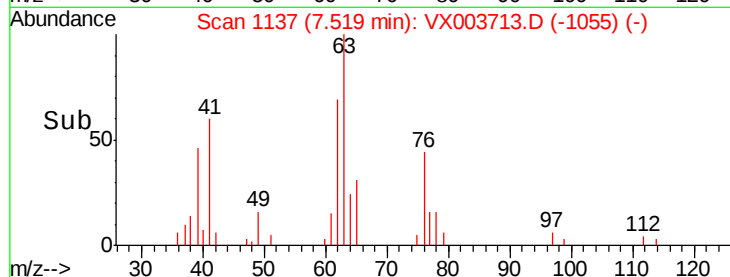
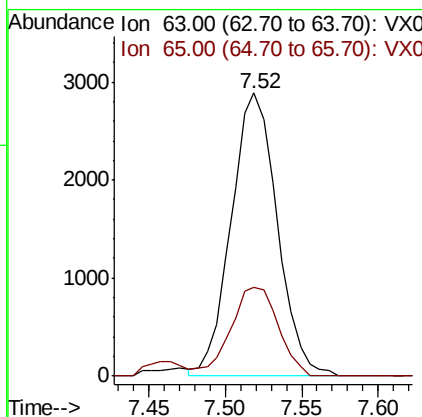
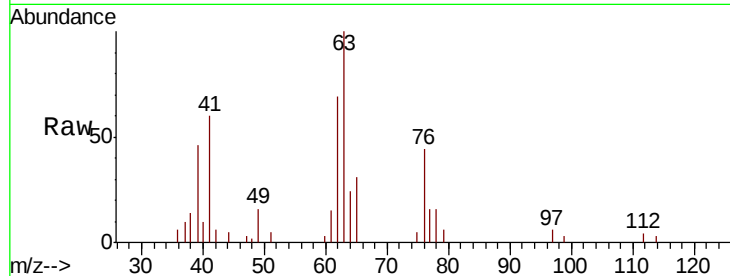
#39
 1,2-Dichloropropane
 Concen: 5.354 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 6047
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.3 34.9

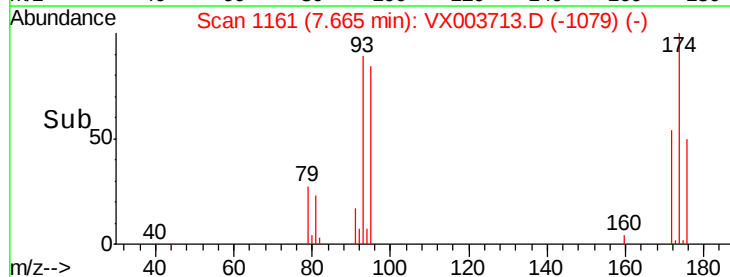
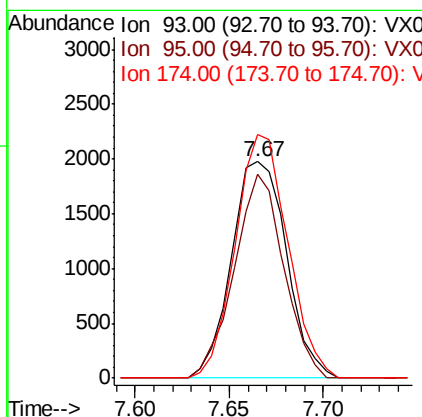
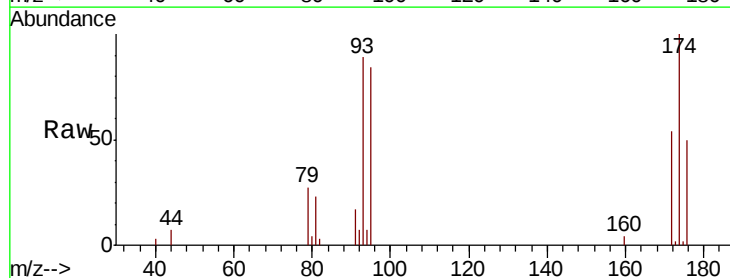
Manual Integrations
 APPROVED

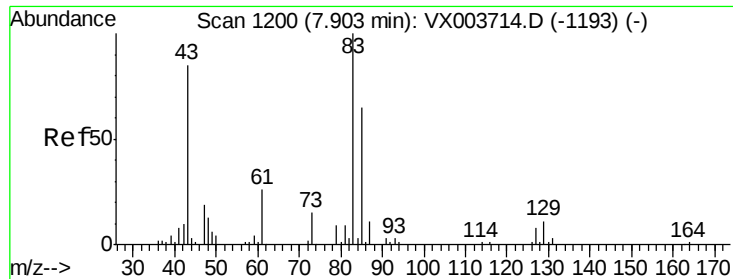
MMDadoda
 7/30/2018 3:42:28 PM



#40
 Dibromomethane
 Concen: 5.401 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion: 93 Resp: 4006
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 162.6
 174 107.4 0.0 229.4





#41

Bromodichloromethane

Concen: 5.211 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

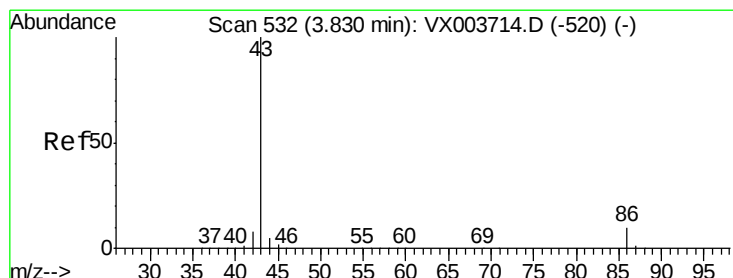
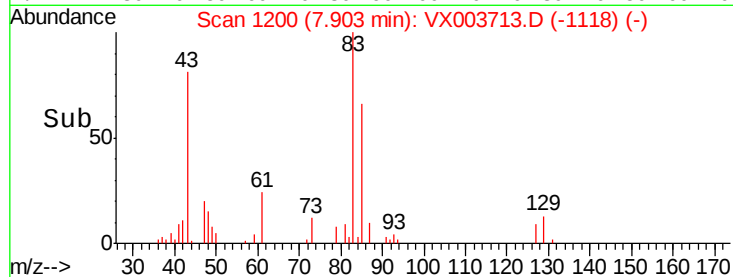
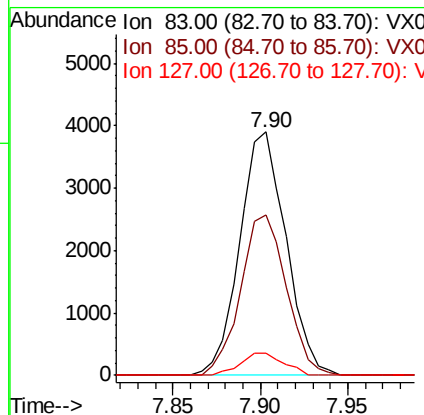
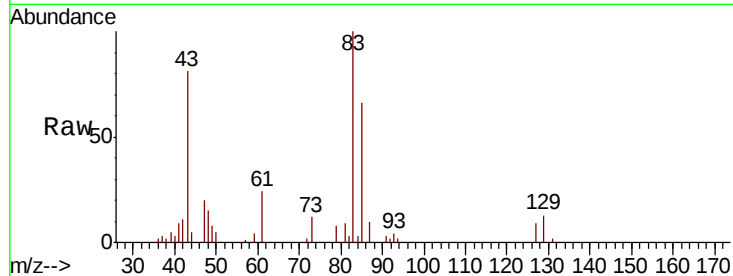
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7223
Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.8
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



#42

Vinyl Acetate

Concen: 32.704 ug/l

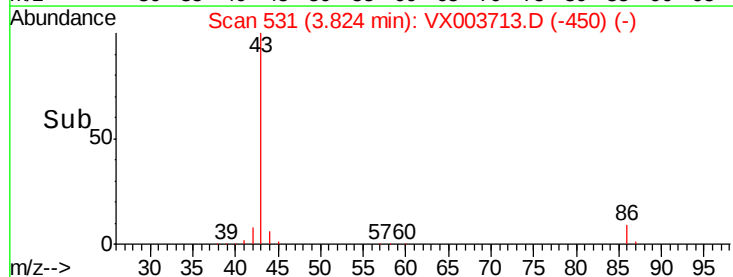
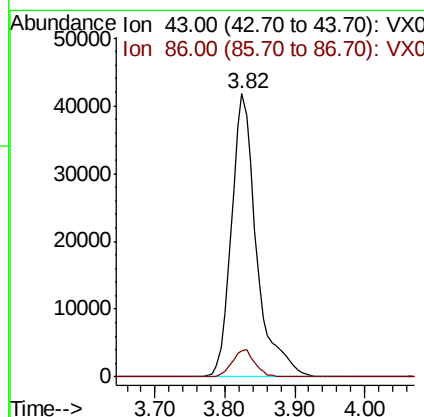
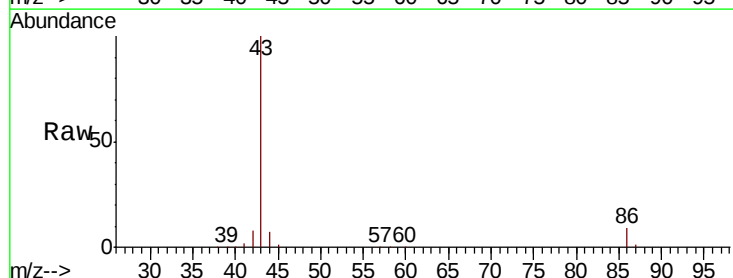
RT: 3.82 min Scan# 531

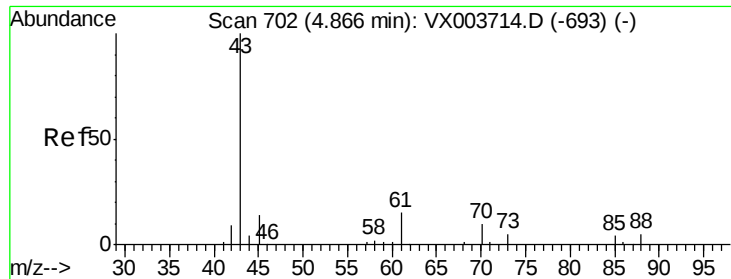
Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Tgt Ion:	43	Resp:	104208
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.7	10.1





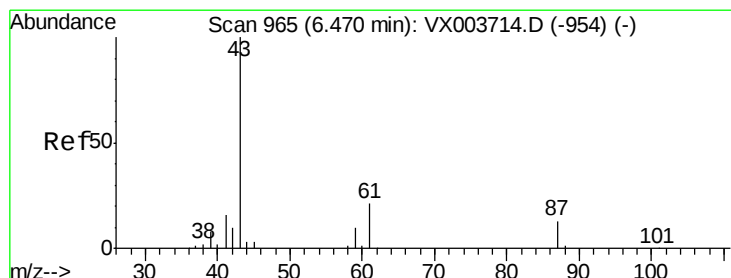
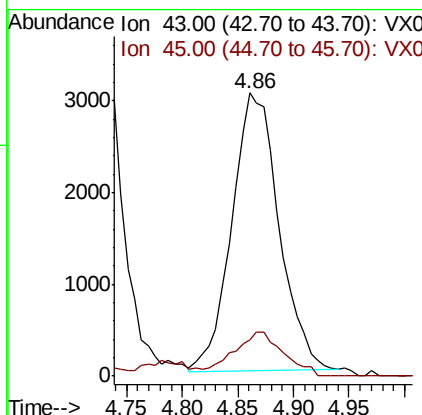
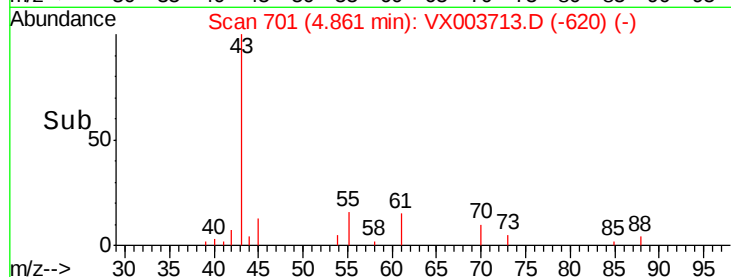
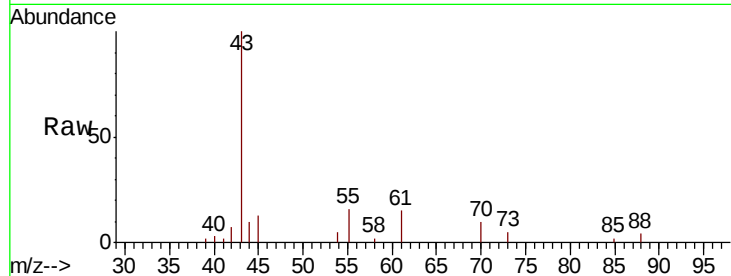
#43
Ethyl Acetate
Concen: 5.664 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 8923
Ion Ratio Lower Upper
43 100
45 16.7 11.0 16.4#

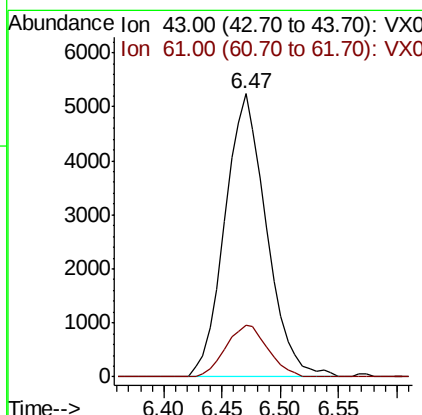
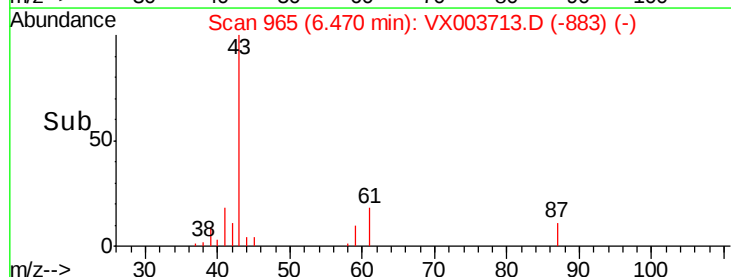
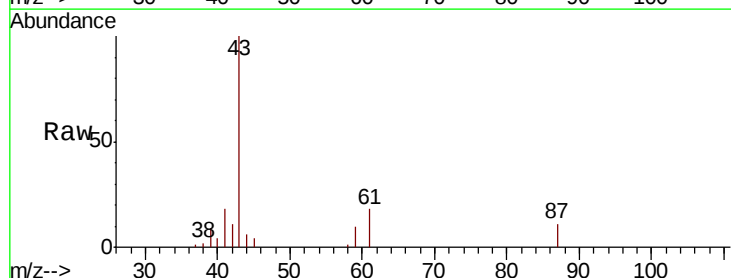
Manual Integrations
APPROVED

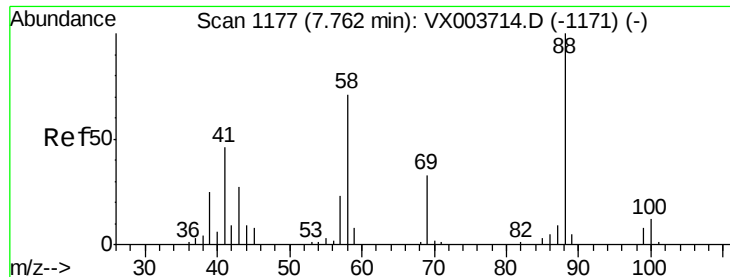
MMDadoda
7/30/2018 3:42:28 PM



#44
Isopropyl Acetate
Concen: 5.391 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion: 43 Resp: 13017
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7





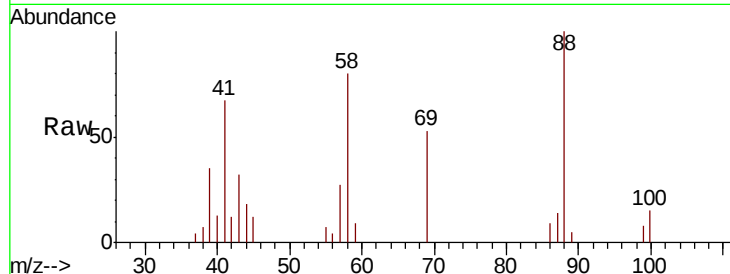
#45
1,4-Dioxane
Concen: 106.231 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	43.2	64.8#
58	74.7	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM

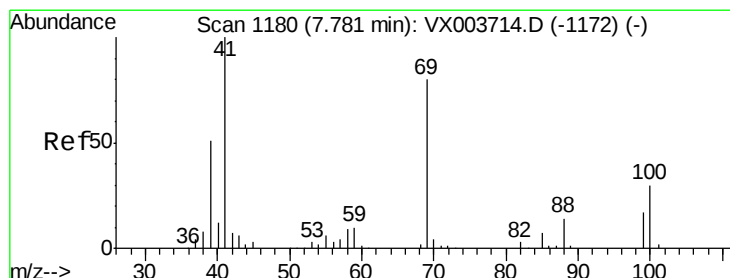
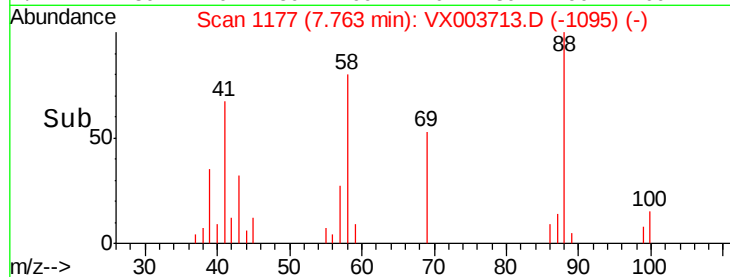
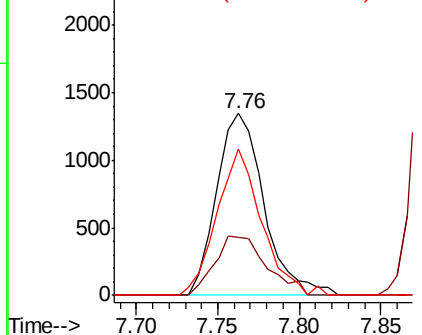


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
Methyl methacrylate
Concen: 5.011 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

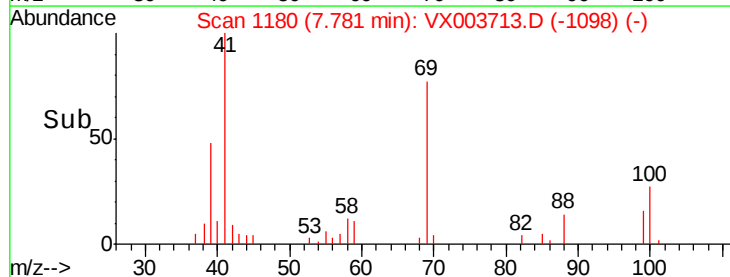
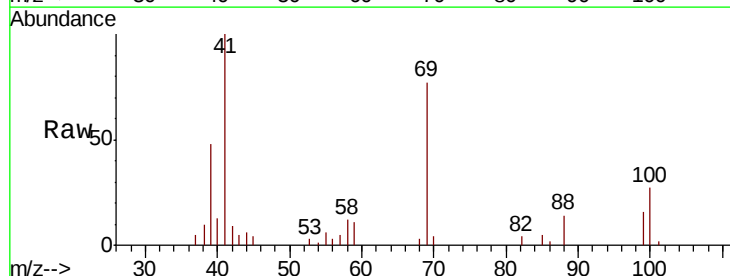
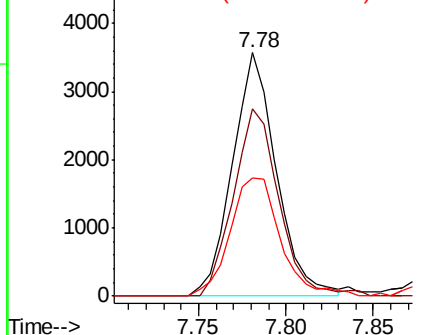
Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.9	37.0	110.9
39	48.4	29.6	88.9

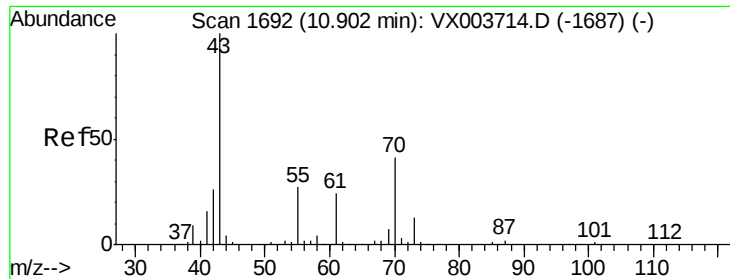
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 6.064 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 12612

Ion Ratio Lower Upper

43 100

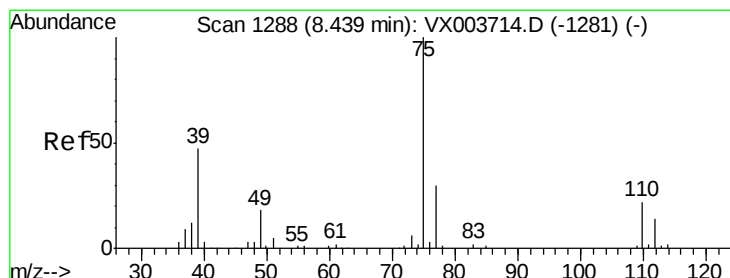
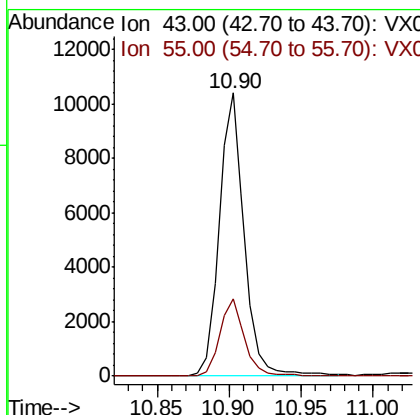
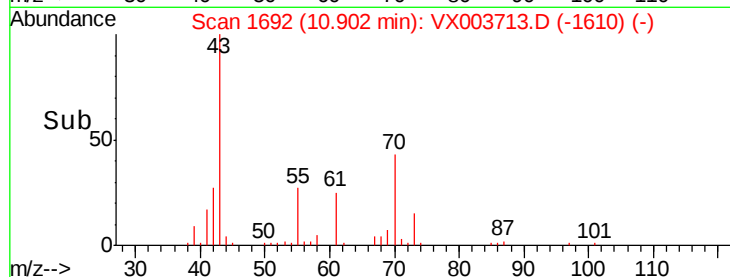
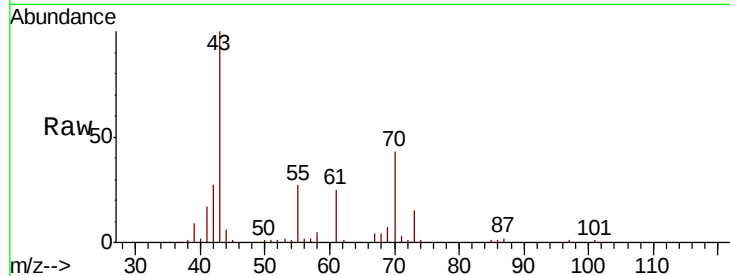
55 26.7 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:28 PM



#48

t-1,3-Dichloropropene

Concen: 5.365 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003713.D

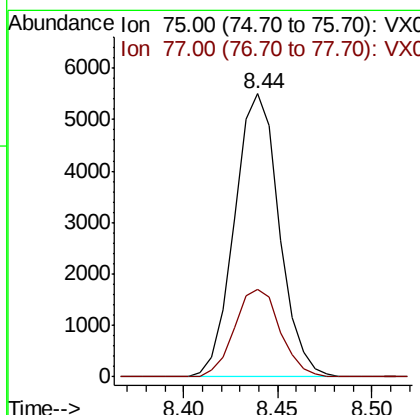
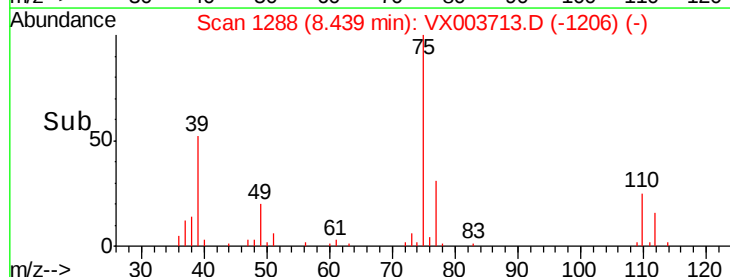
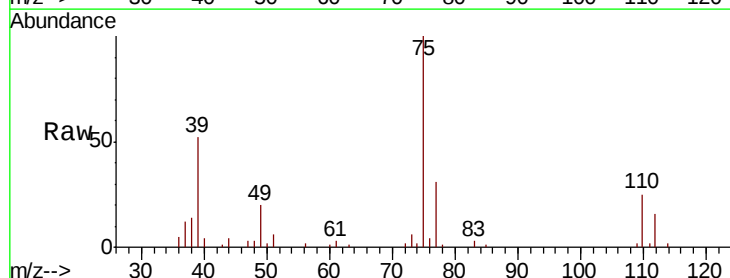
Acq: 27 Jul 2018 13:31

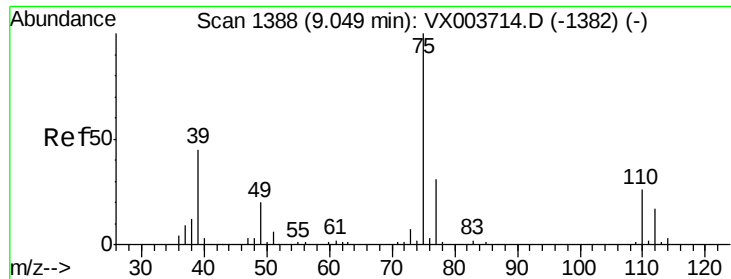
Tgt Ion: 75 Resp: 9050

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4





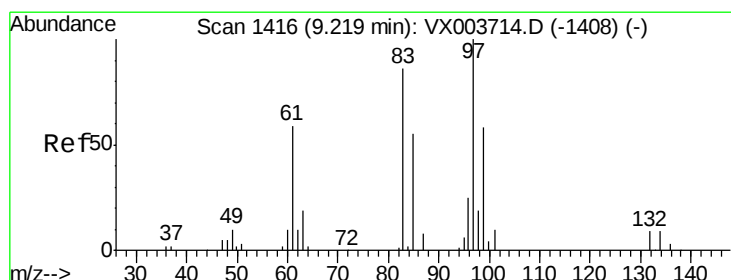
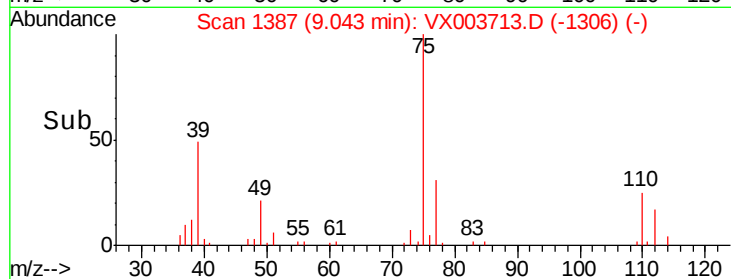
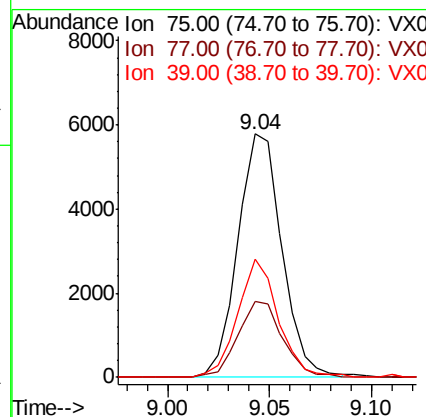
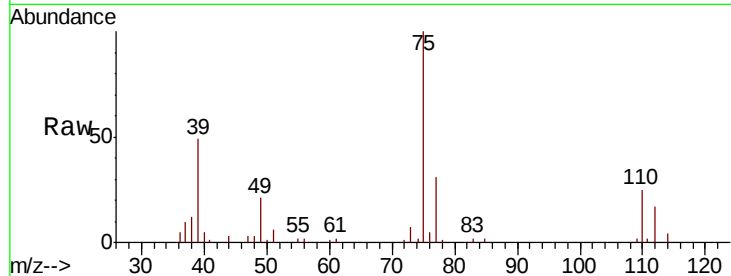
#49
 cis-1,3-Dichloropropene
 Concen: 5.671 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	48.6	42.3	63.5

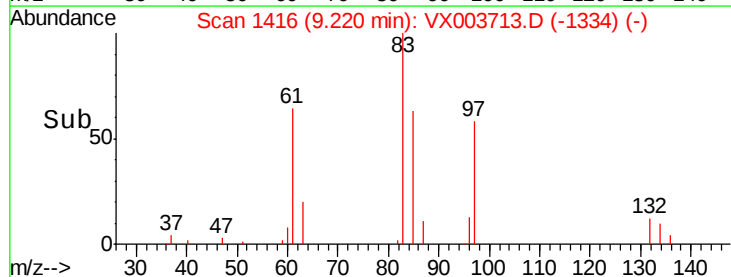
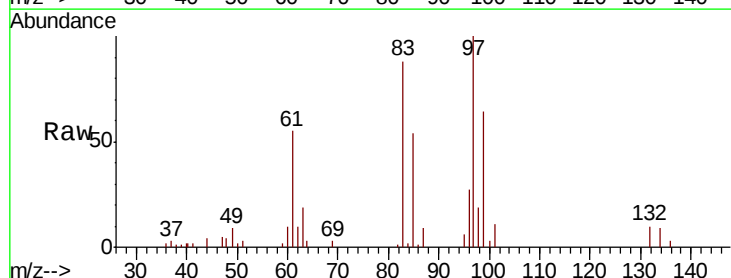
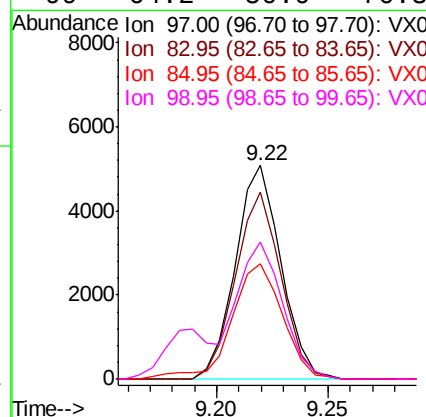
Manual Integrations
 APPROVED

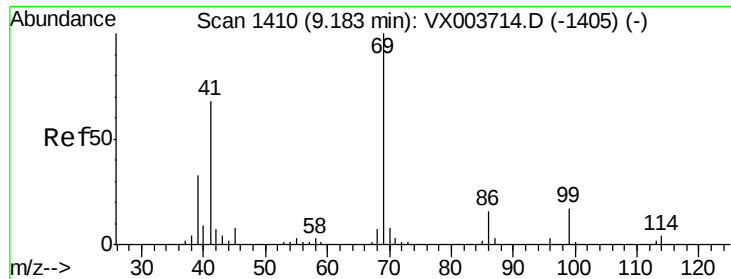
MMDadoda
 7/30/2018 3:42:28 PM



#50
 1,1,2-Trichloroethane
 Concen: 6.486 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.8	106.2
85	53.8	43.5	65.3
99	64.2	50.9	76.3





#51

Ethyl methacrylate

Concen: 5.858 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

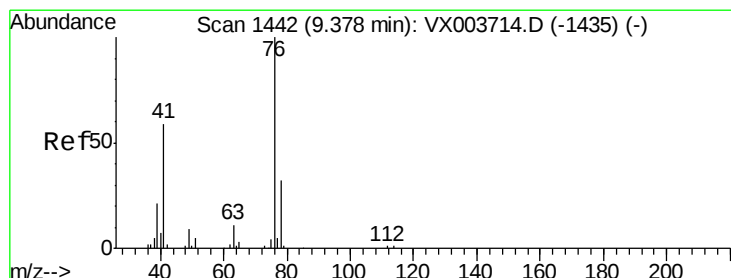
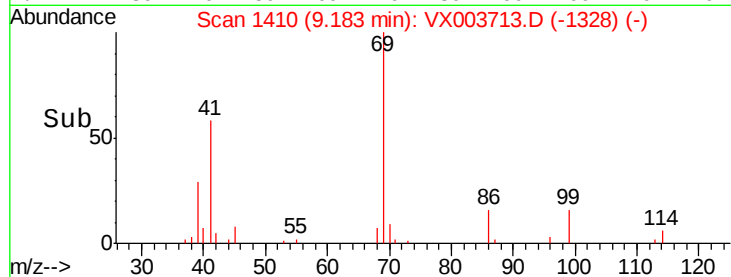
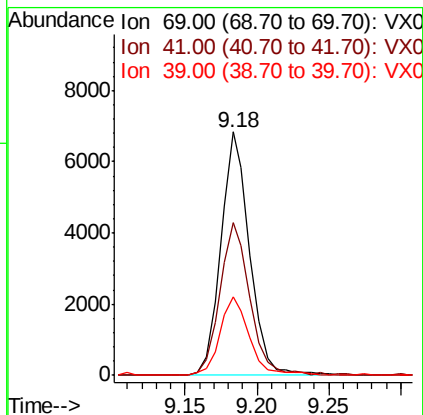
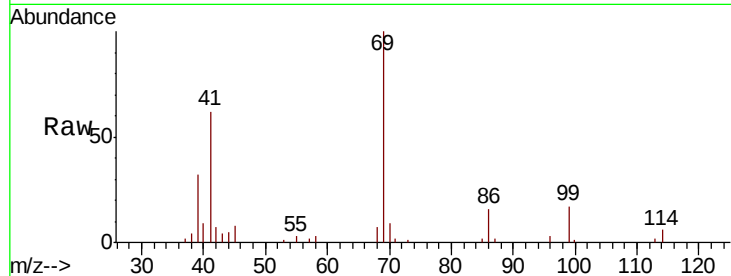
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	9550
Ion	Ratio	Lower	Upper
69	100		
41	62.5	39.1	117.3
39	32.2	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



#52

1,3-Dichloropropane

Concen: 6.467 ug/l

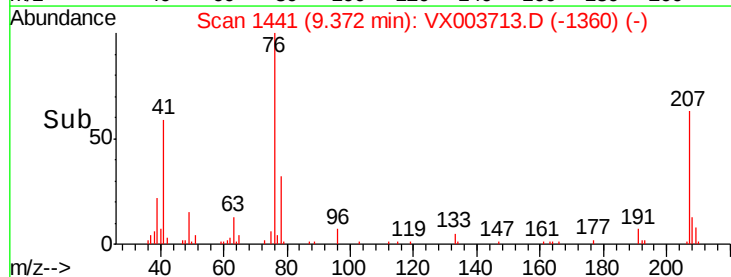
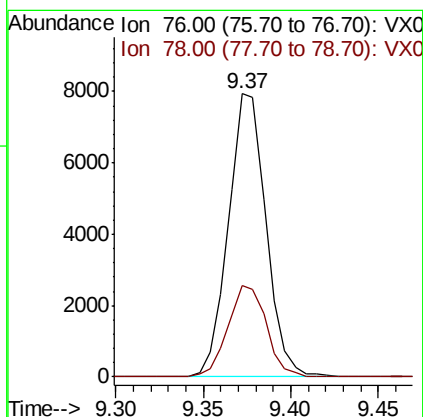
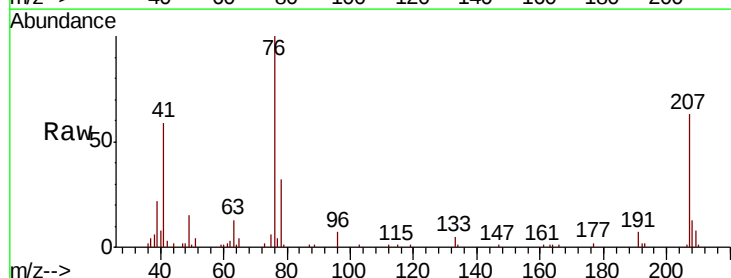
RT: 9.37 min Scan# 1441

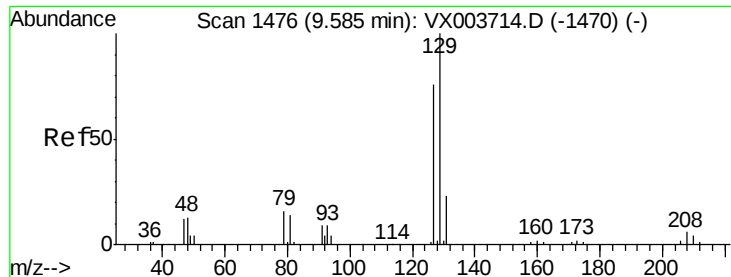
Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Tgt Ion:	76	Resp:	11882
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.4





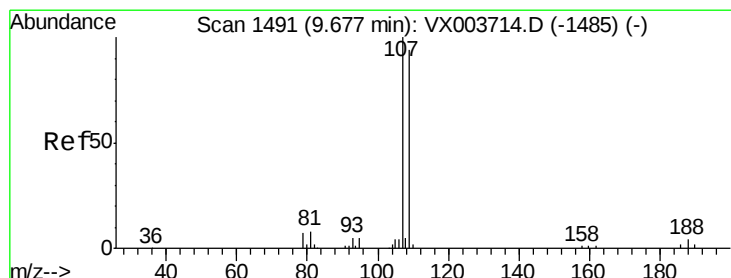
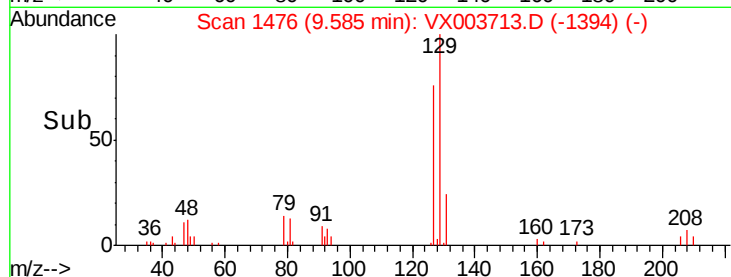
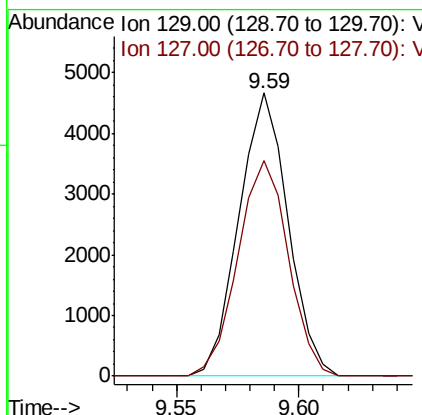
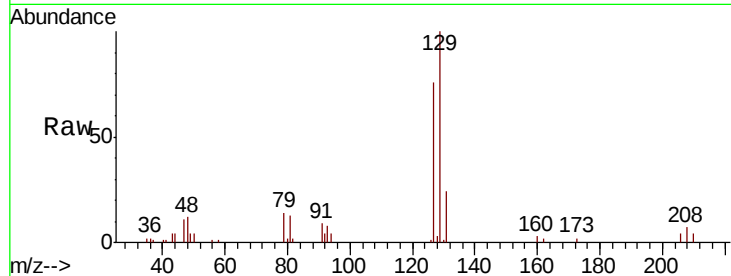
#53
 Dibromochloromethane
 Concen: 5.810 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:129 Resp: 6496
 Ion Ratio Lower Upper
 129 100
 127 78.3 38.5 115.3

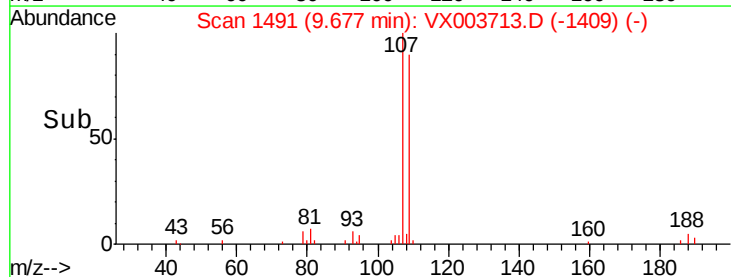
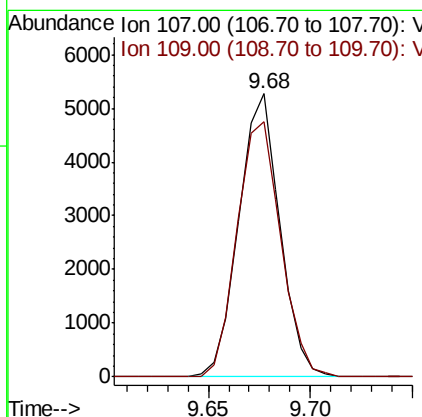
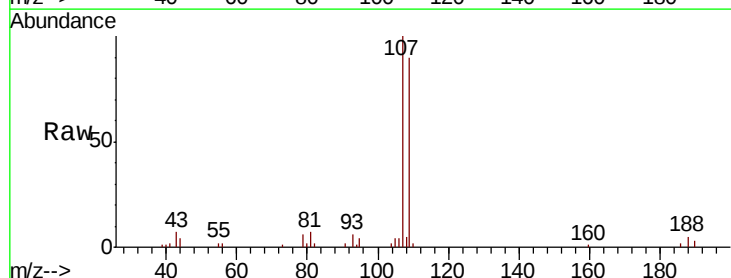
Manual Integrations
 APPROVED

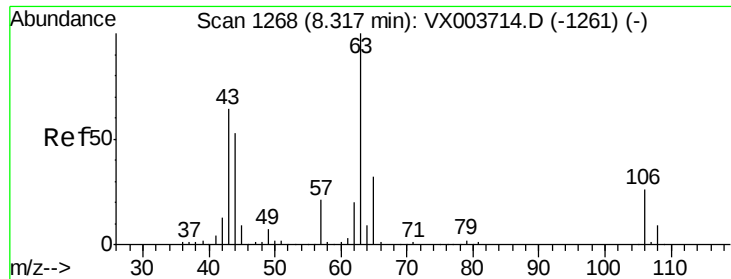
MMDadoda
 7/30/2018 3:42:28 PM



#54
 1,2-Dibromoethane
 Concen: 6.346 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion:107 Resp: 7362
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.5 113.3





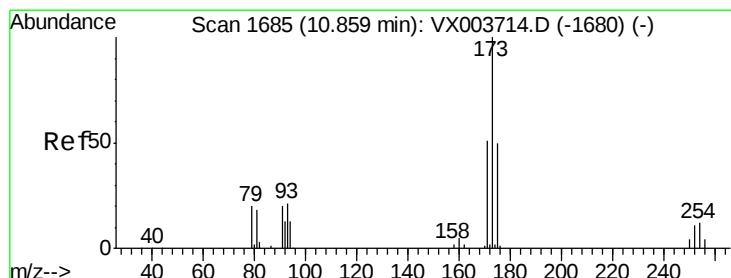
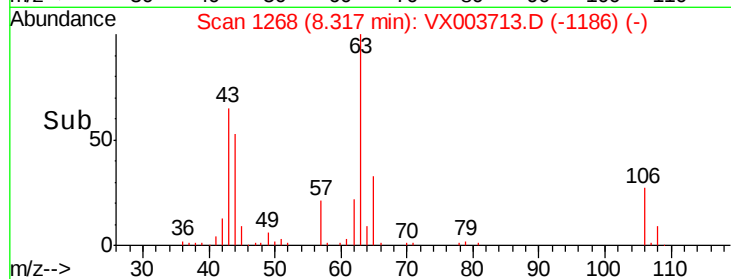
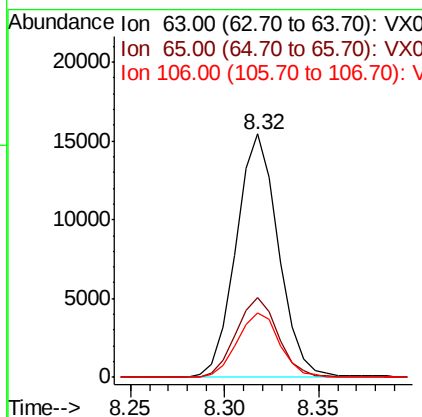
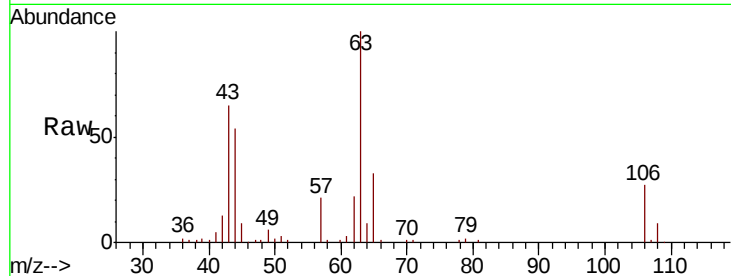
#55
2-Chloroethyl vinyl ether
Concen: 31.301 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.6	38.4
106	26.5	21.6	32.4

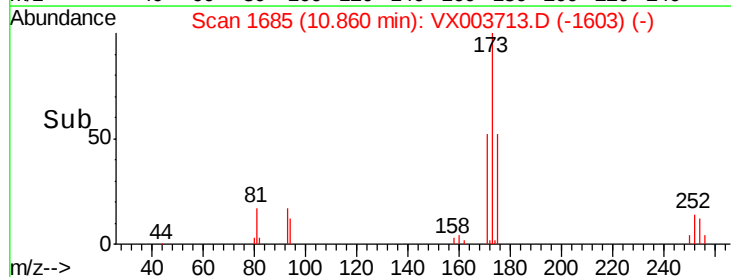
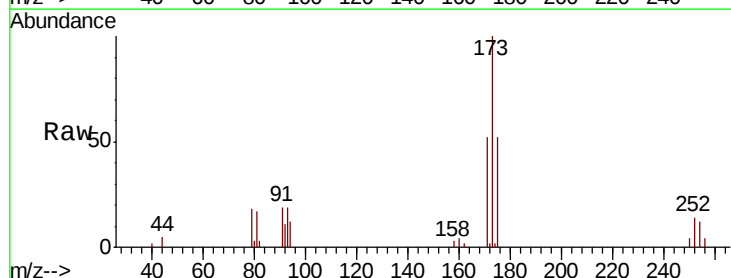
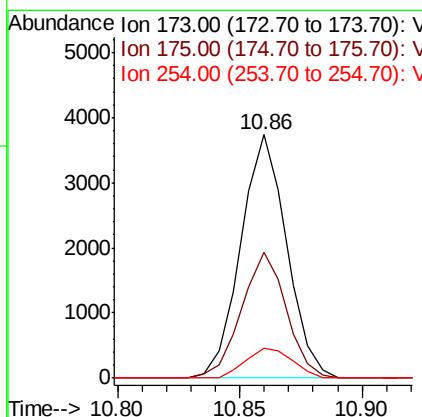
Manual Integrations
APPROVED

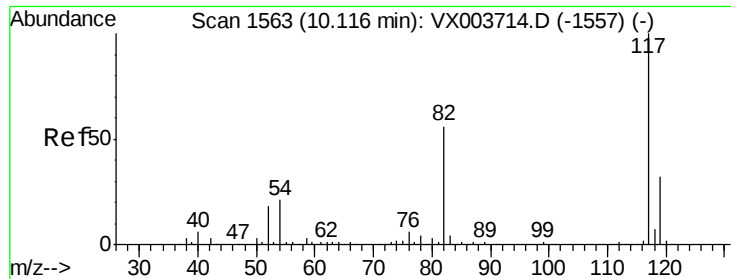
MMDadoda
7/30/2018 3:42:28 PM



#56
Bromoform
Concen: 5.715 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.4	39.0	58.4
254	12.5	9.6	14.4





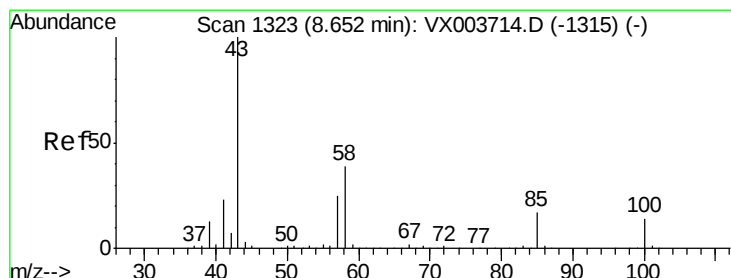
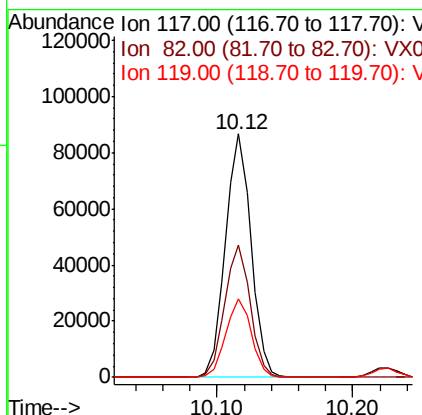
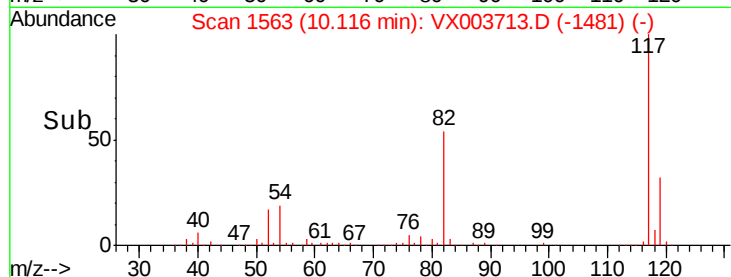
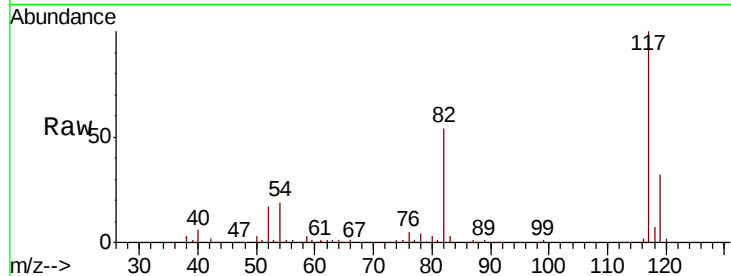
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	32.1	25.7	38.5

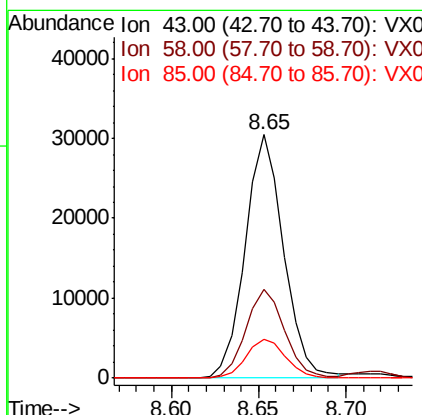
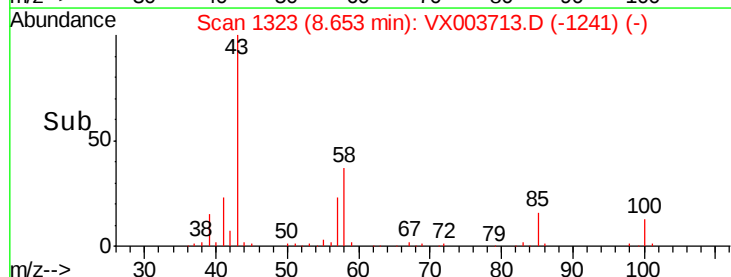
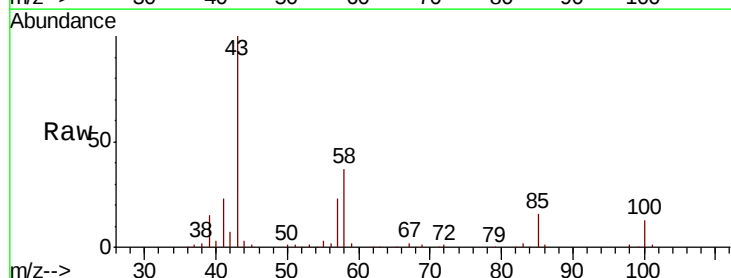
Manual Integrations
APPROVED

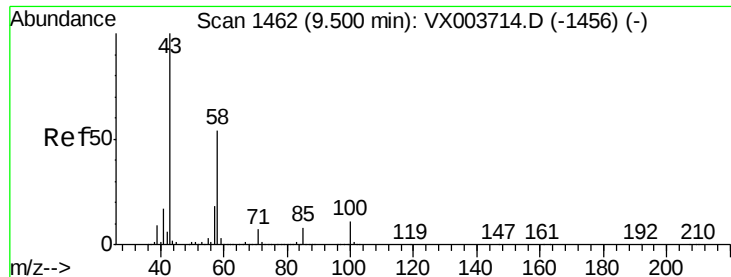
MMDadoda
7/30/2018 3:42:28 PM



#58
4-Methyl-2-Pentanone
Concen: 23.045 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	28.2	42.4
85	16.6	12.4	18.6





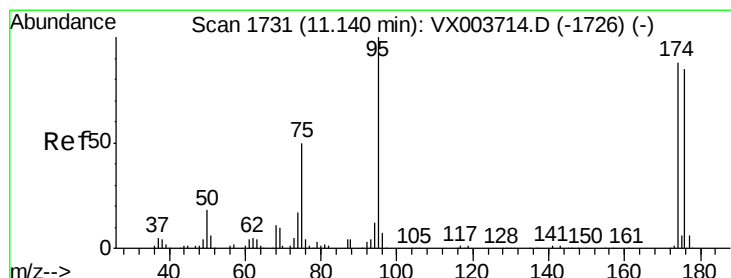
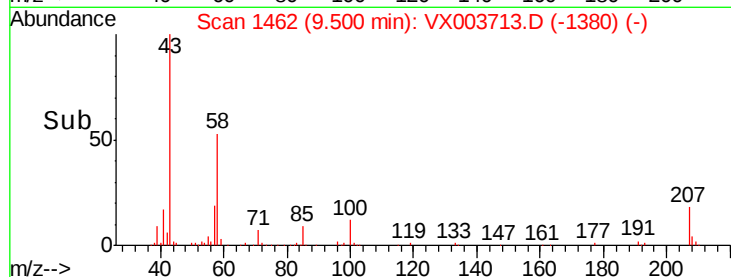
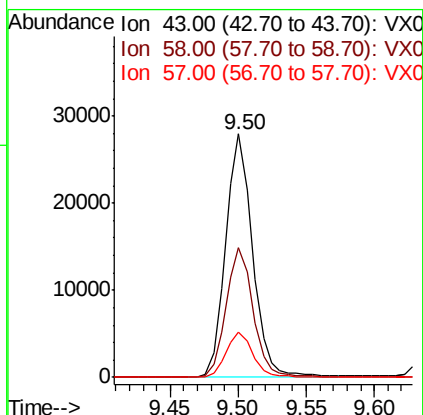
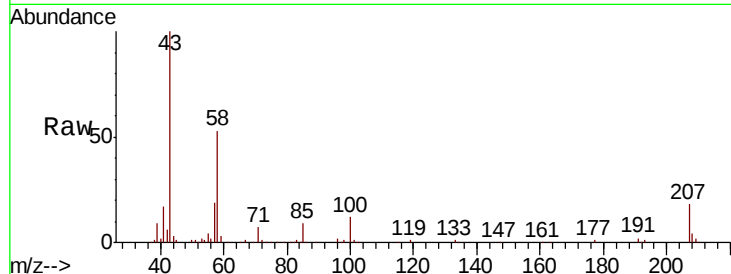
#59
2-Hexanone
Concen: 25.022 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	39.6	59.4
57	18.5	14.1	21.1

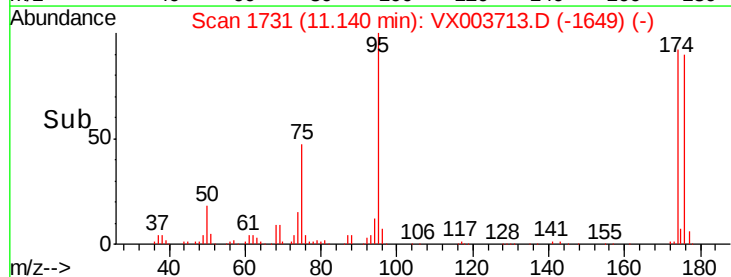
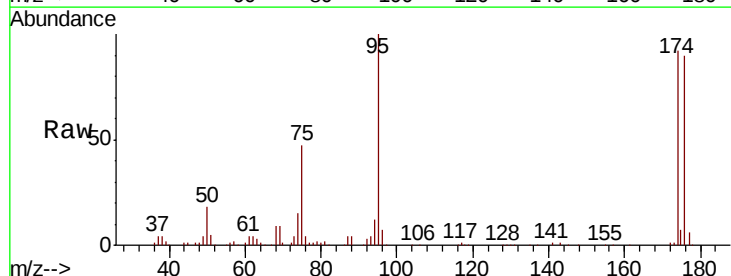
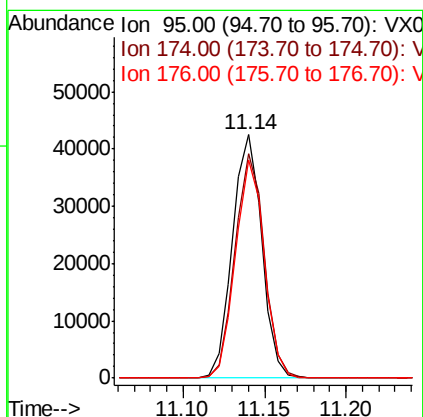
Manual Integrations
APPROVED

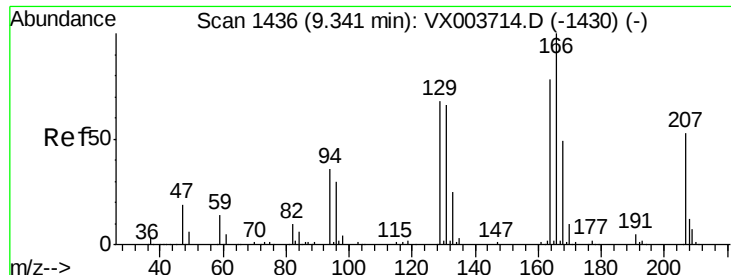
MMDadoda
7/30/2018 3:42:28 PM



#60
4-Bromofluorobenzene
Concen: 29.160 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	71.8	107.6
176	88.6	70.1	105.1





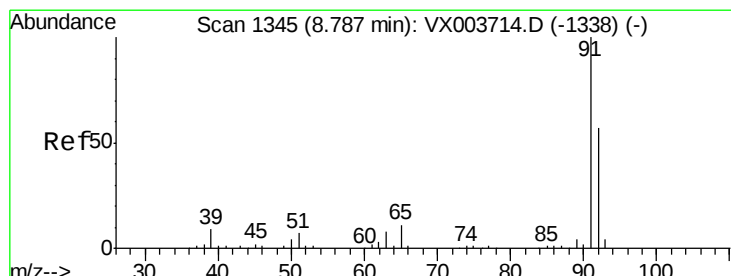
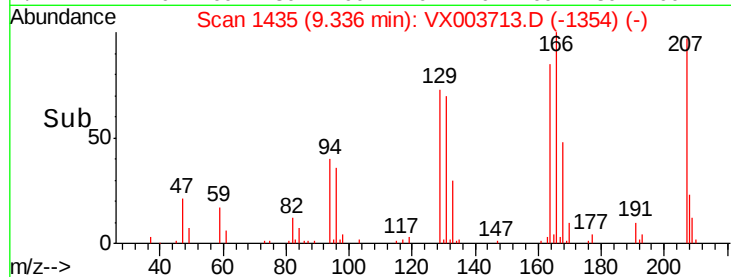
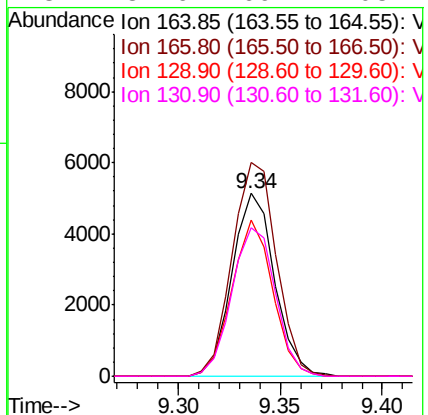
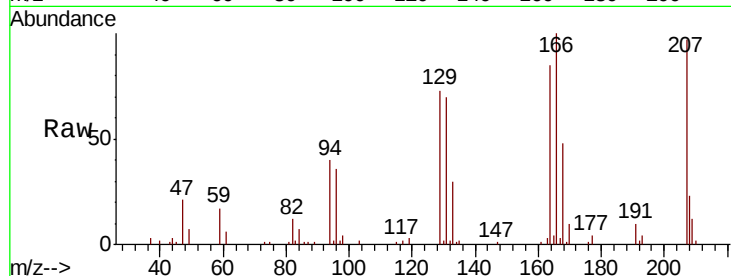
#61
 Tetrachloroethene
 Concen: 4.281 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	164	Resp	7425
Ion	Ratio	Lower	Upper
164	100		
166	117.0	102.4	153.6
129	85.4	70.1	105.1
131	81.6	69.1	103.7

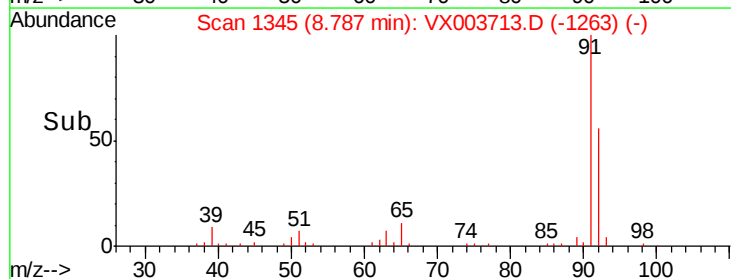
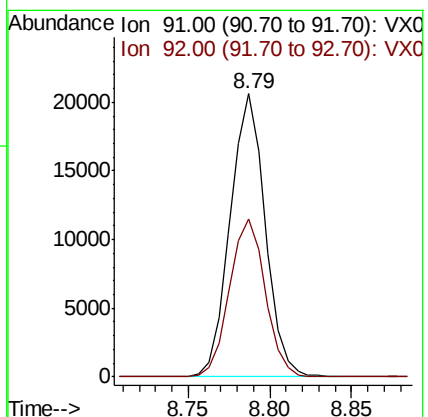
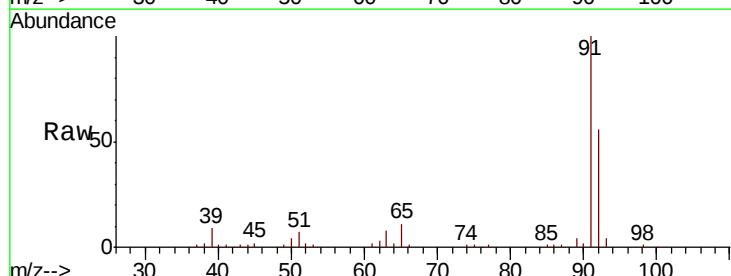
Manual Integrations
 APPROVED

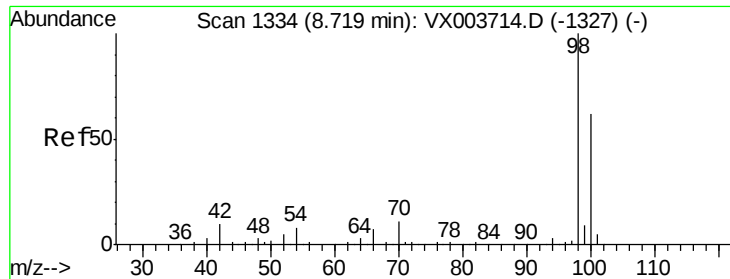
MMDadoda
 7/30/2018 3:42:28 PM



#62
 Toluene
 Concen: 4.984 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	91	Resp	30812
Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.5	69.7





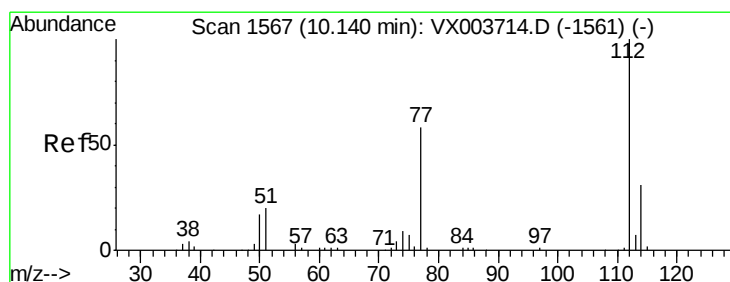
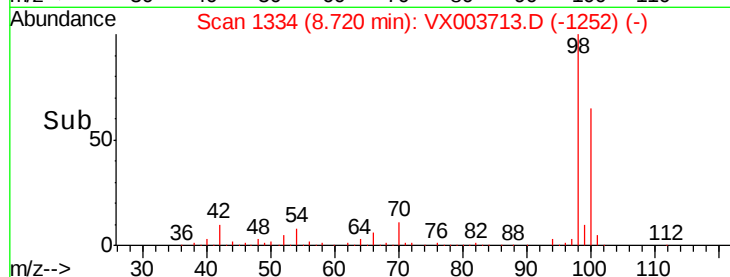
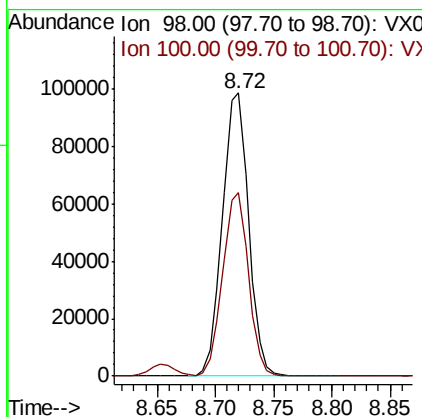
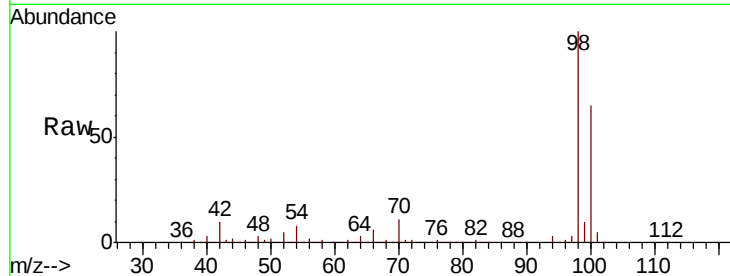
#63
Toluene-d8
Concen: 30.619 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 153388
Ion Ratio Lower Upper
98 100
100 64.0 50.8 76.2

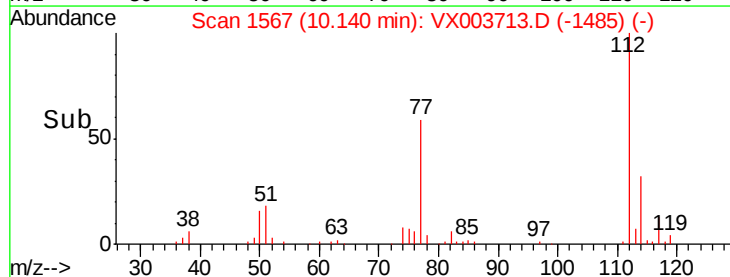
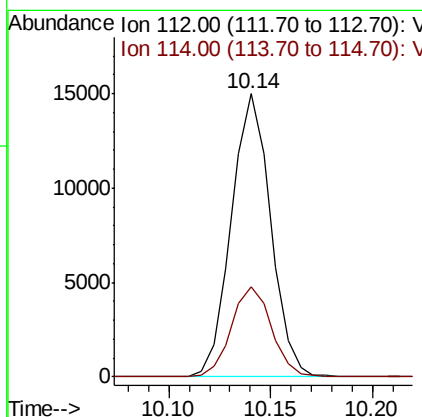
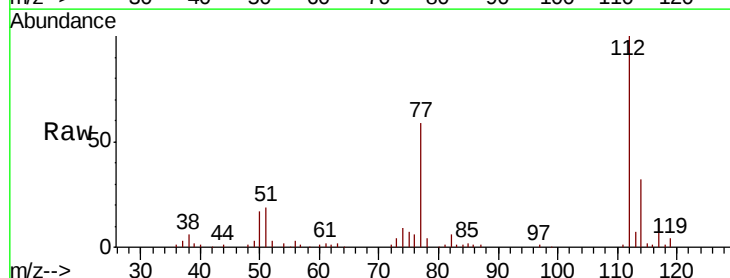
Manual Integrations
APPROVED

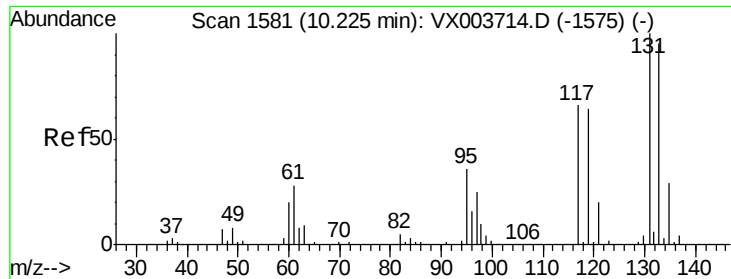
MMDadoda
7/30/2018 3:42:28 PM



#64
Chlorobenzene
Concen: 4.901 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion: 112 Resp: 20065
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





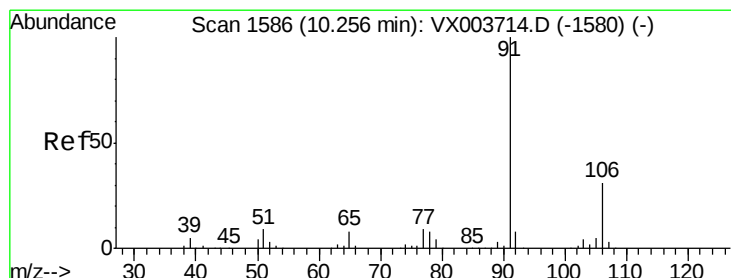
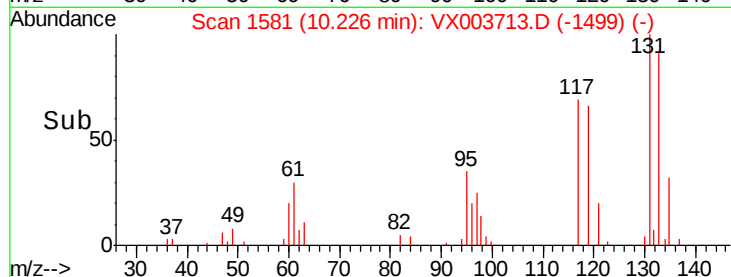
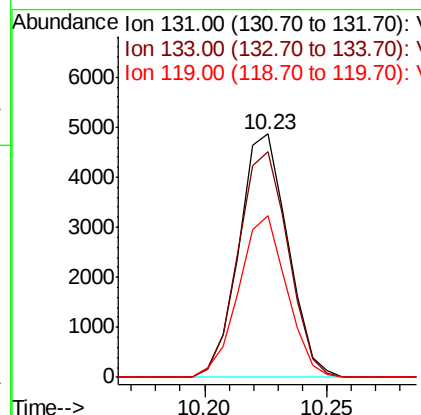
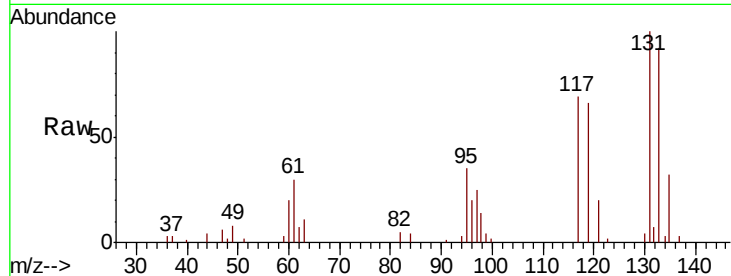
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.639 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:131 Resp: 6736
 Ion Ratio Lower Upper
 131 100
 133 94.8 0.0 191.2
 119 65.4 0.0 125.4

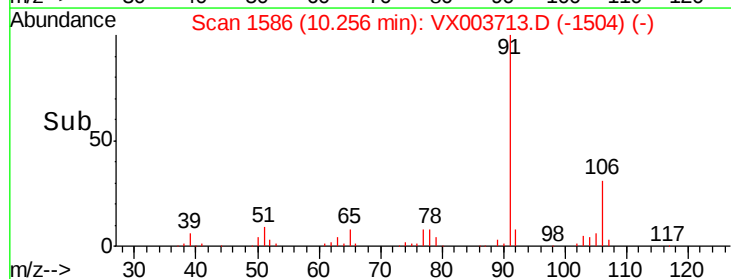
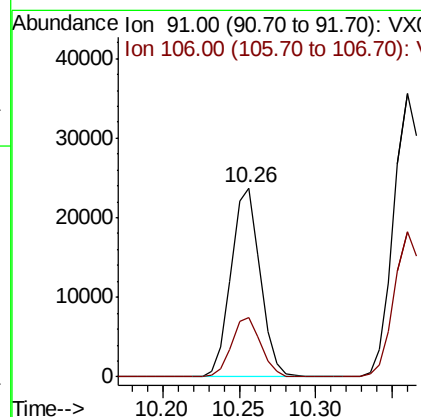
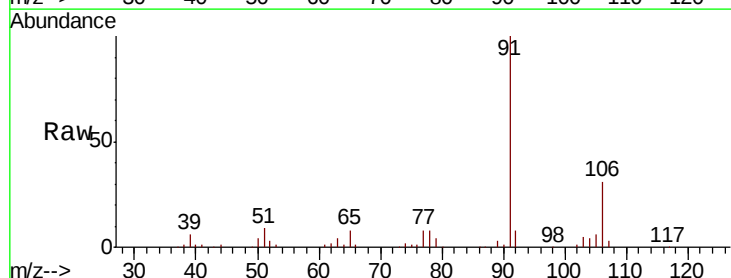
Manual Integrations
 APPROVED

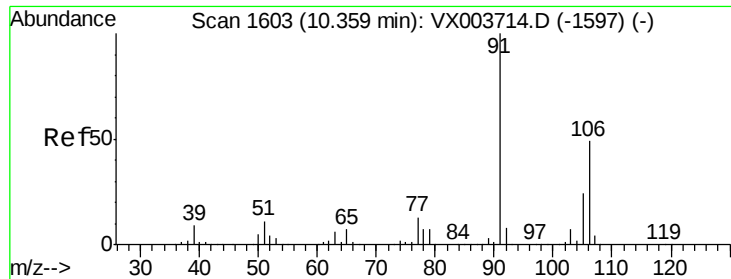
MMDadoda
 7/30/2018 3:42:28 PM



#66
 Ethyl Benzene
 Concen: 4.593 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion: 91 Resp: 31380
 Ion Ratio Lower Upper
 91 100
 106 31.3 25.2 37.8





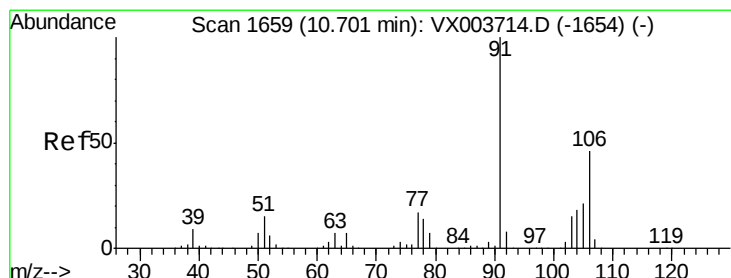
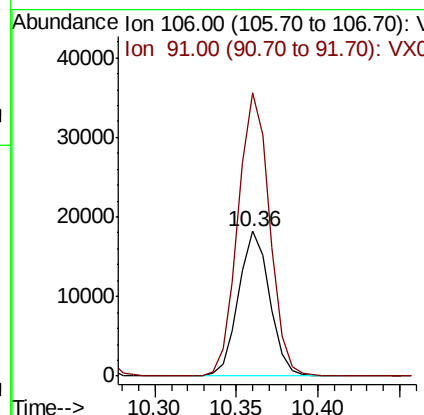
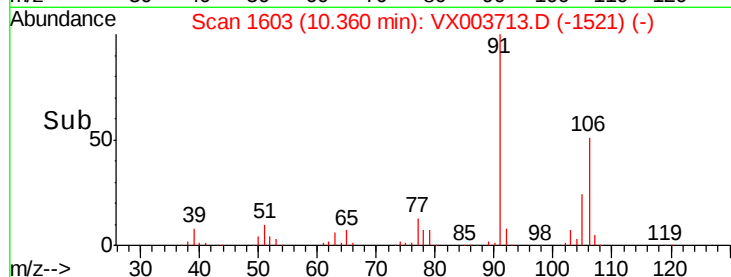
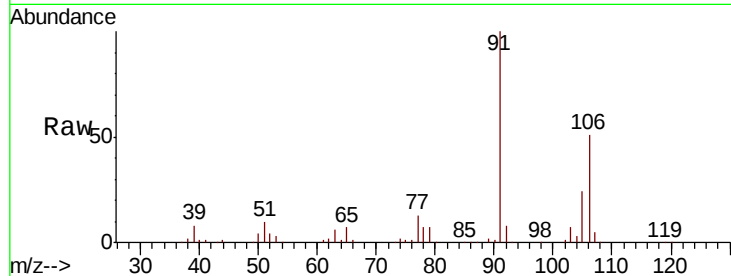
#67
m/p-Xylenes
Concen: 9.128 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24265
Ion Ratio Lower Upper
106 100
91 198.8 164.1 246.1

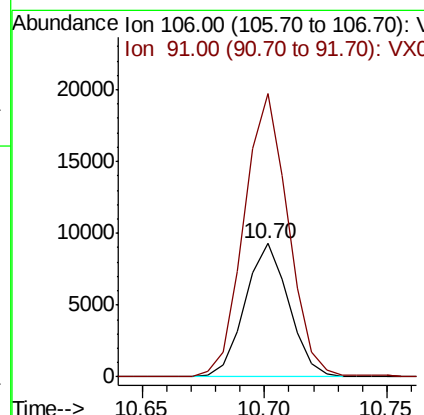
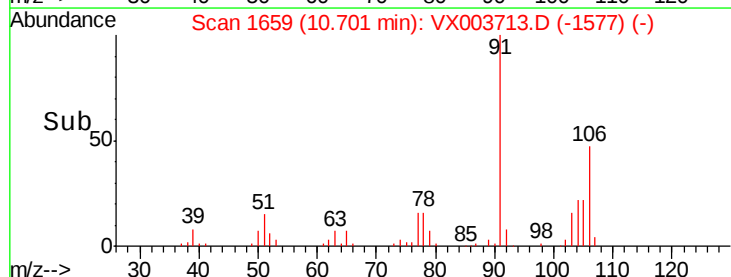
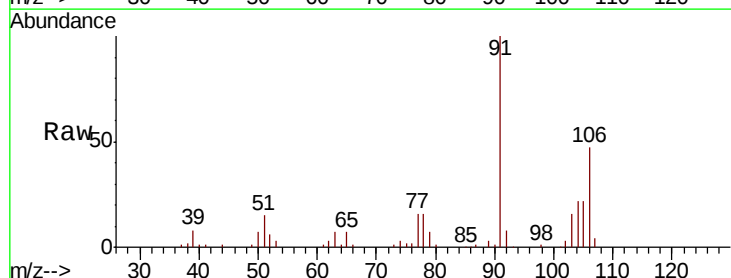
Manual Integrations
APPROVED

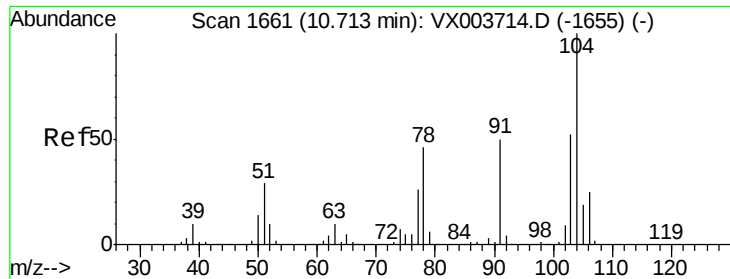
MMDadoda
7/30/2018 3:42:28 PM



#68
o-Xylene
Concen: 4.536 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion:106 Resp: 11601
Ion Ratio Lower Upper
106 100
91 214.5 109.1 327.3





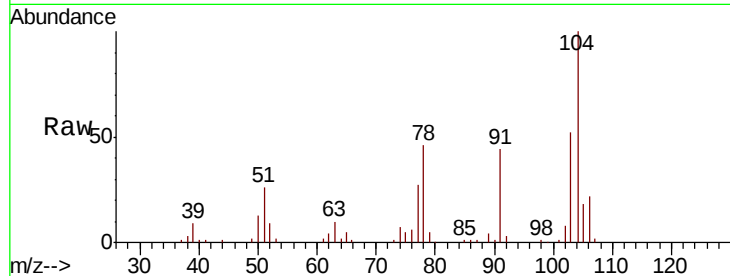
#69
Stvrene
Concen: 4.346 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

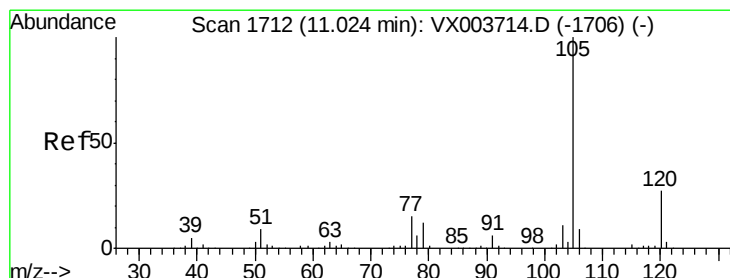
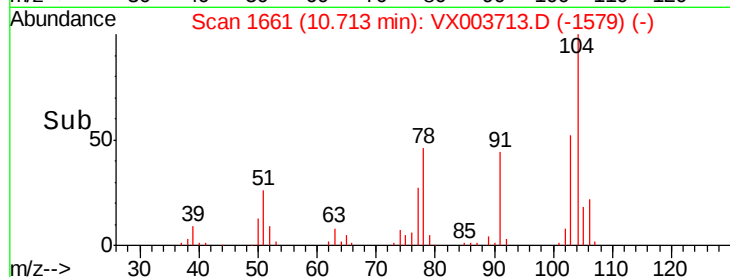
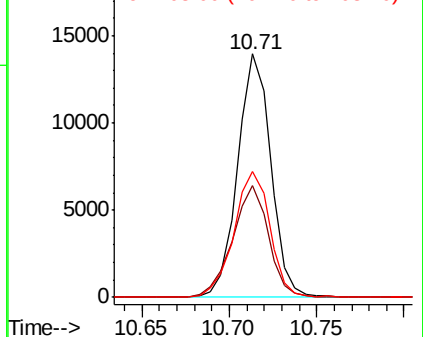
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	41.8	62.8
103	56.2	44.9	67.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM

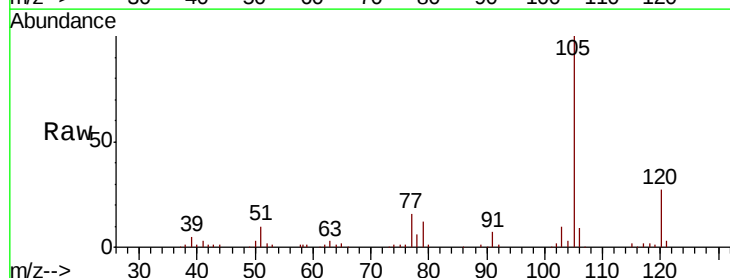


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

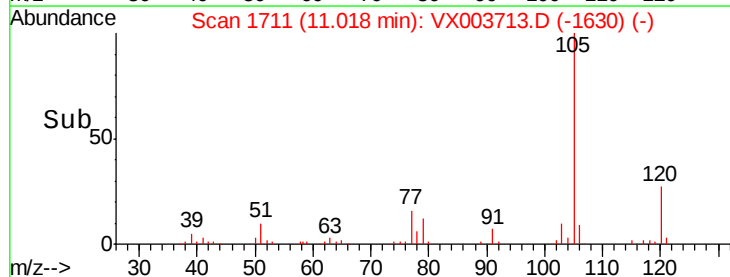
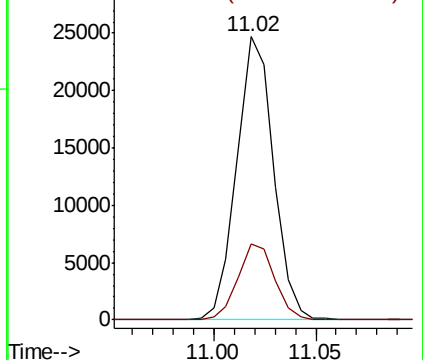


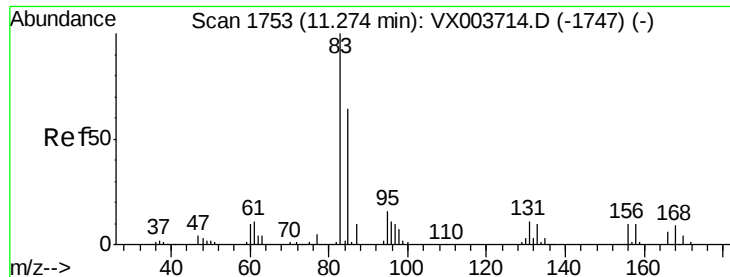
#70
Isopropylbenzene
Concen: 4.560 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.0	35.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





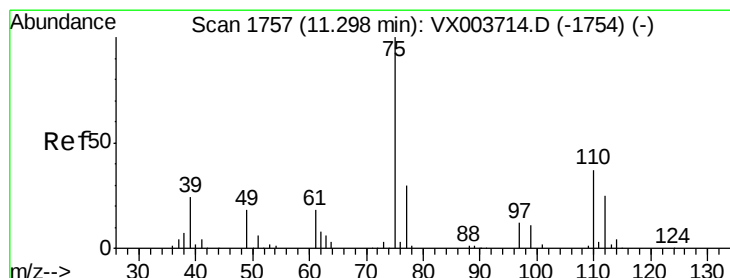
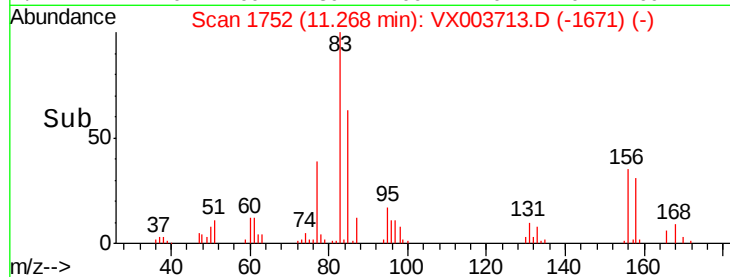
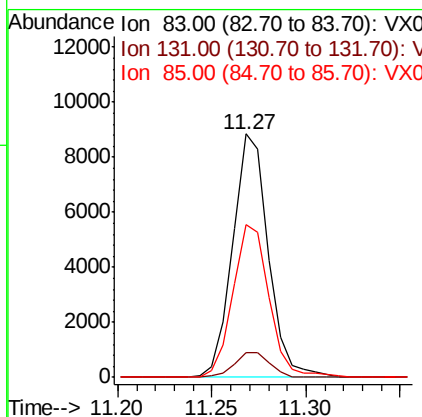
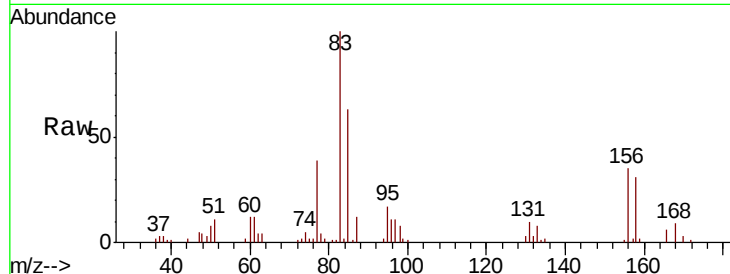
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.463 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.4	16.2	
85	63.8	32.4	97.2	

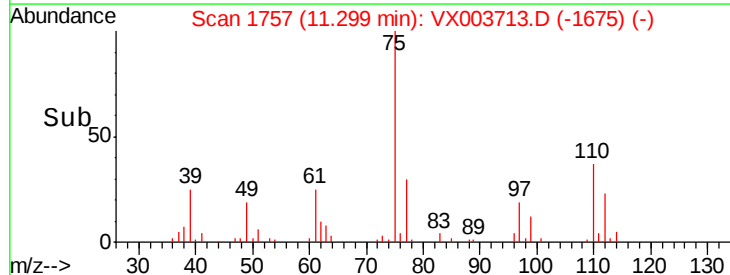
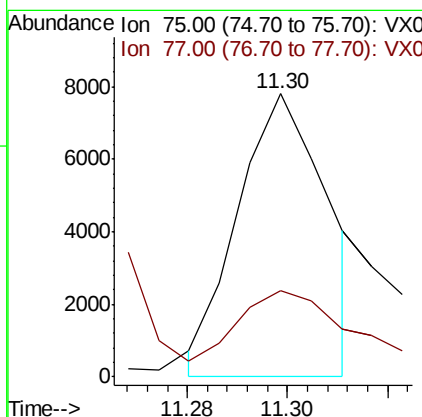
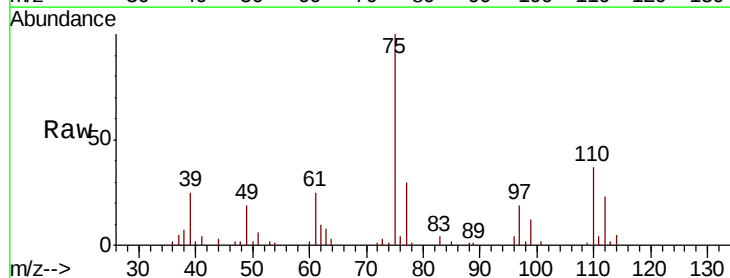
Manual Integrations
 APPROVED

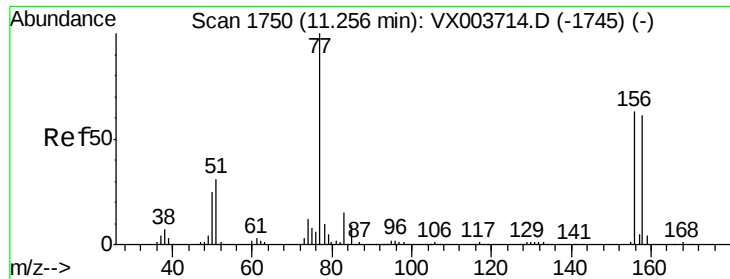
MMDadoda
 7/30/2018 3:42:28 PM



#72
 1,2,3-Trichloropropane
 Concen: 3.866 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	41.9	0.0	71.8	





#73

Bromobenzene

Concen: 4.821 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

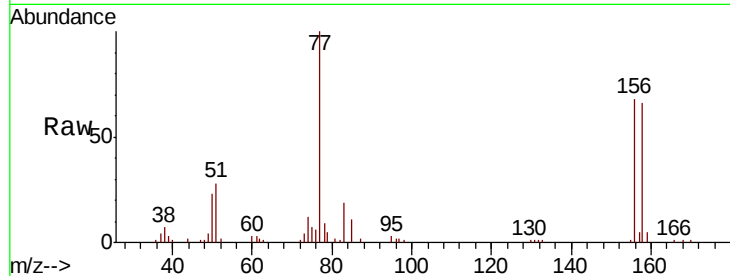
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.5	0.0	301.0
158	99.0	0.0	196.2

Manual Integrations
APPROVED

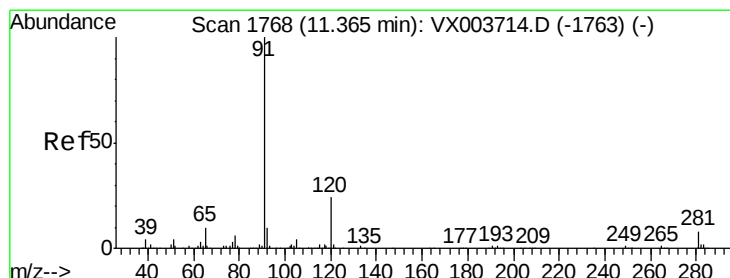
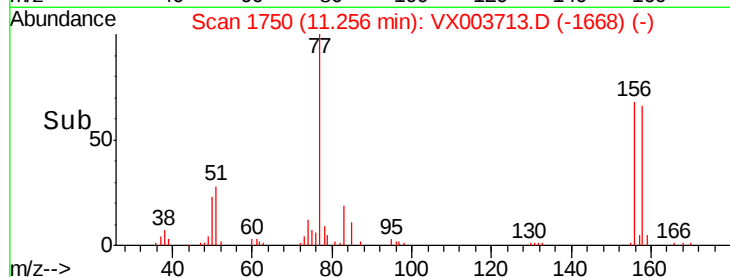
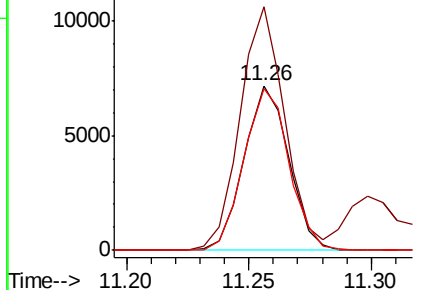
MMDadoda
7/30/2018 3:42:28 PM



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: 4.613 ug/l

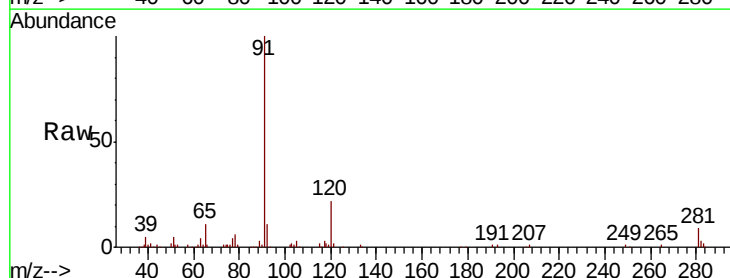
RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003713.D

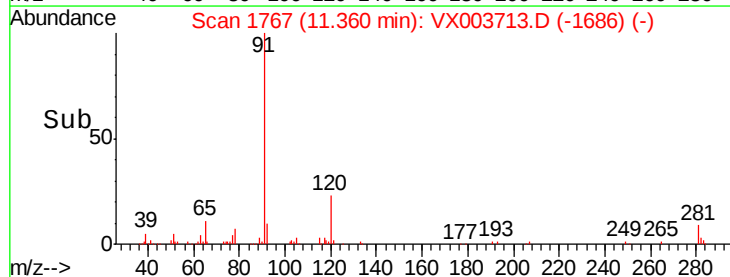
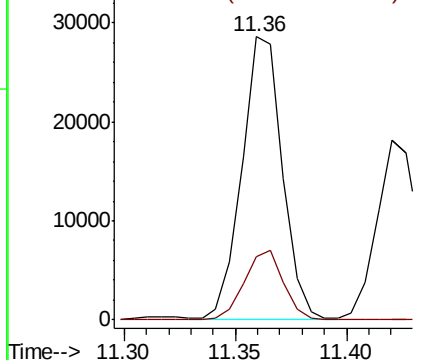
Acq: 27 Jul 2018 13:31

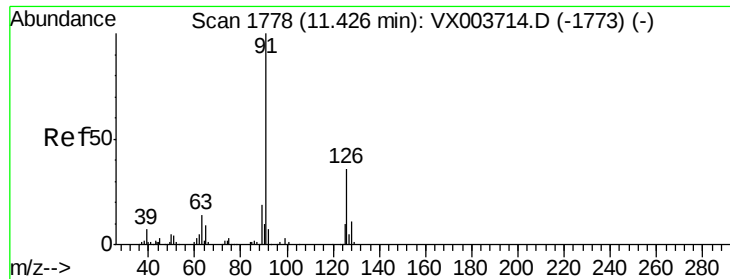
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.928 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 23286

Ion Ratio Lower Upper

91 100

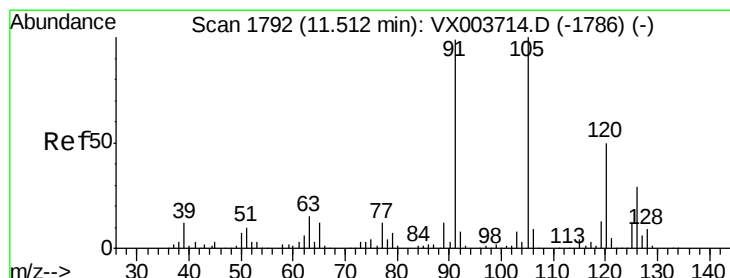
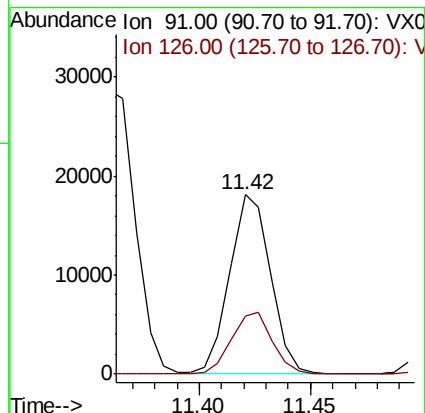
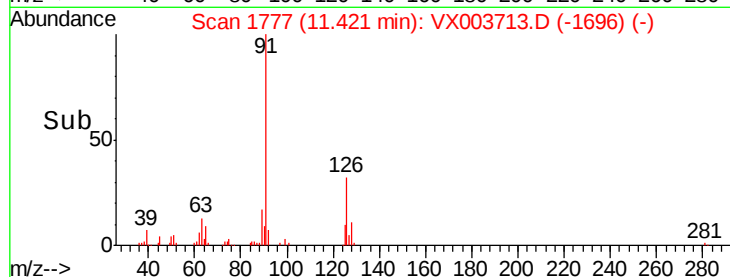
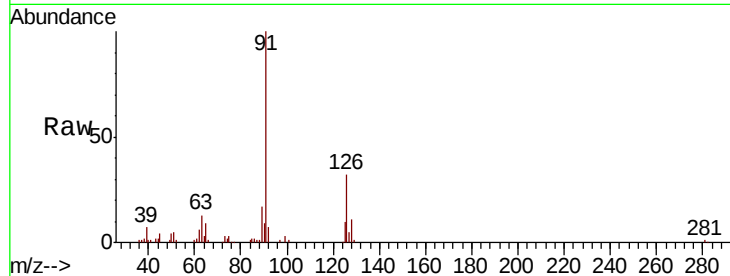
126 34.0 0.0 69.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:28 PM



#76

1,3,5-Trimethylbenzene

Concen: 4.586 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003713.D

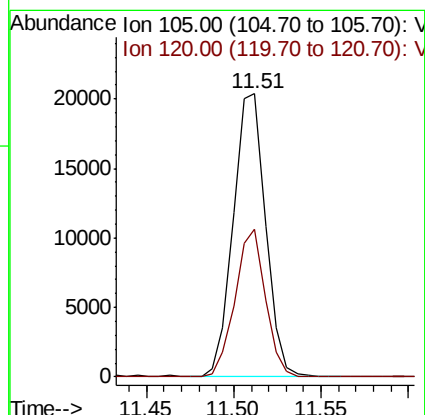
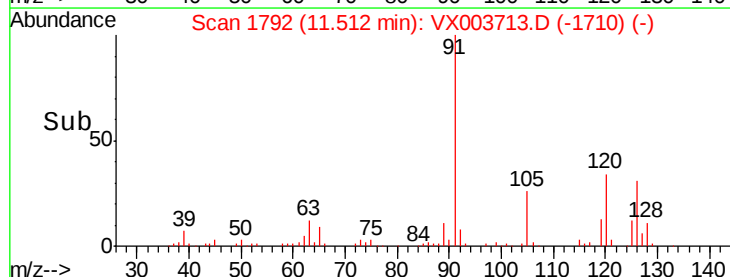
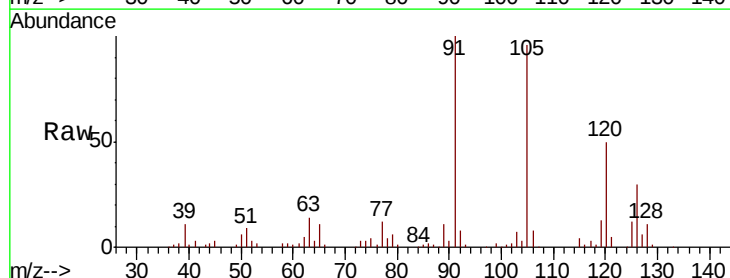
Acq: 27 Jul 2018 13:31

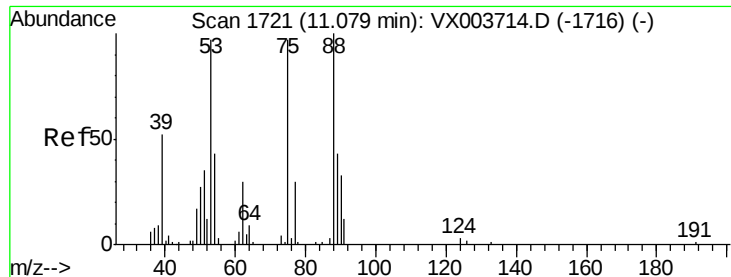
Tgt Ion: 105 Resp: 26321

Ion Ratio Lower Upper

105 100

120 48.9 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 4.551 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 2704

Ion Ratio Lower Upper

75 100

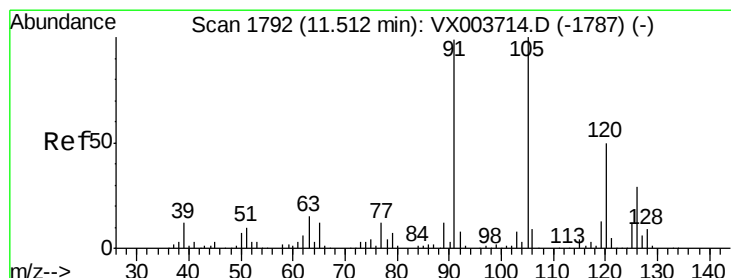
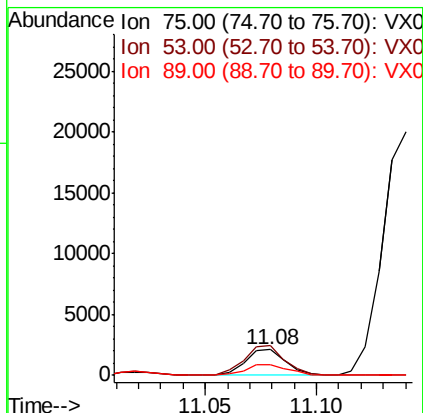
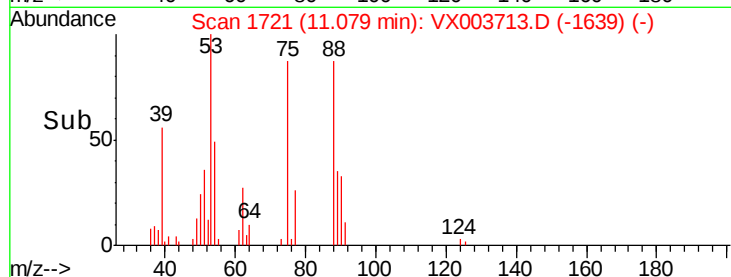
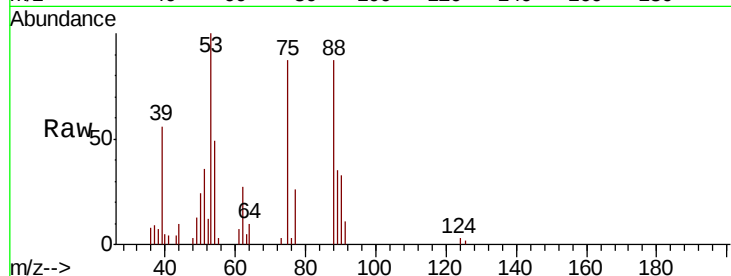
53 114.4 48.3 144.9

89 39.6 21.8 65.4

Manual Integrations
APPROVED

MMDadoda

7/30/2018 3:42:28 PM



#78

4-Chlorotoluene

Concen: 4.750 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003713.D

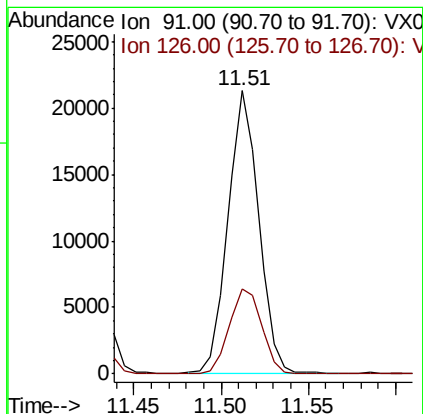
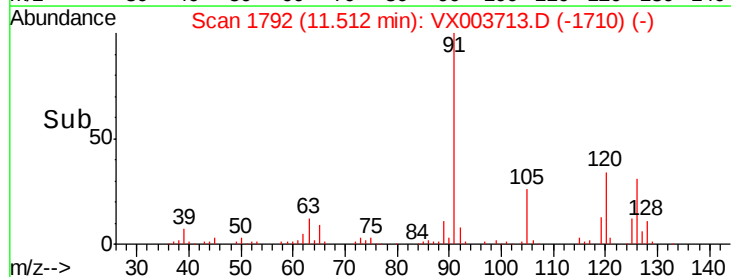
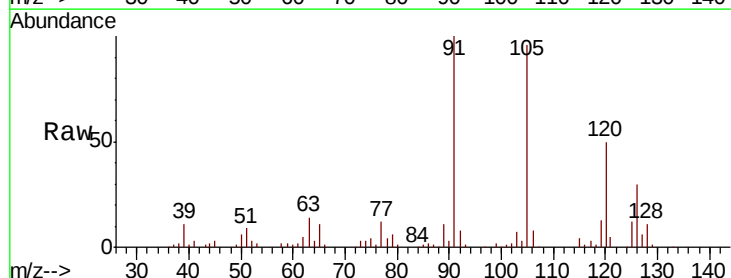
Acq: 27 Jul 2018 13:31

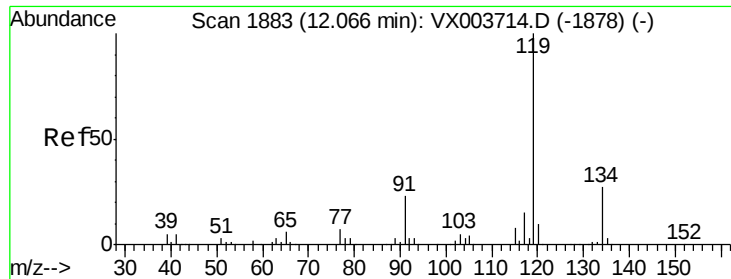
Tgt Ion: 91 Resp: 26217

Ion Ratio Lower Upper

91 100

126 31.4 0.0 61.0





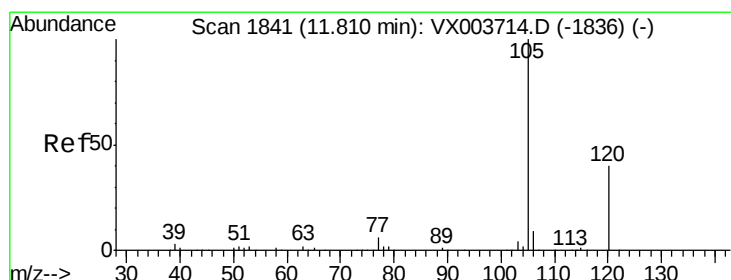
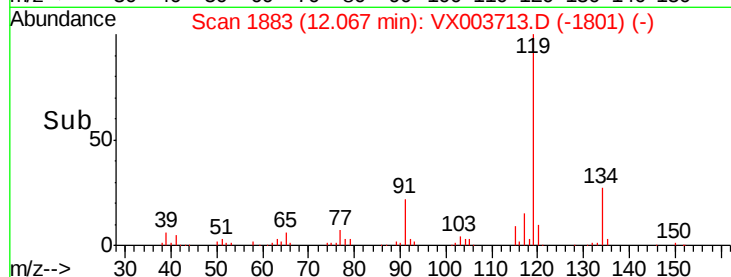
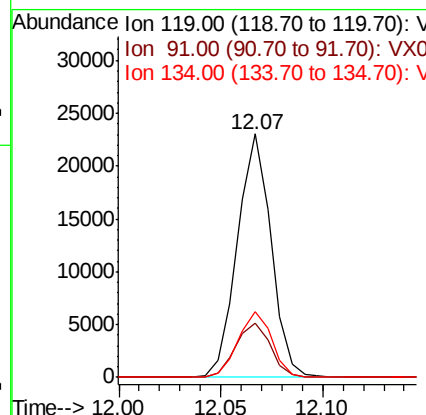
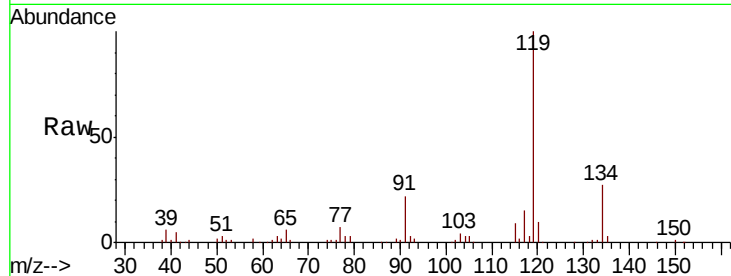
#79
tert-butylbenzene
Concen: 4.329 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	23.0	0.0	48.0
134	26.9	0.0	52.6

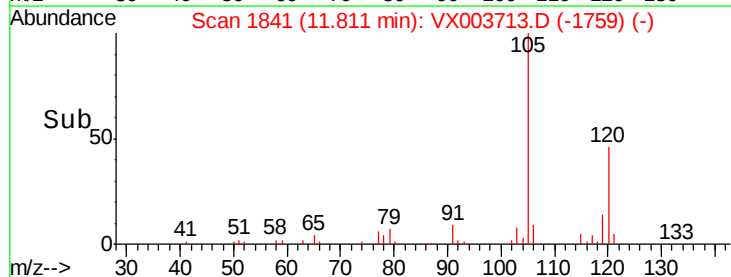
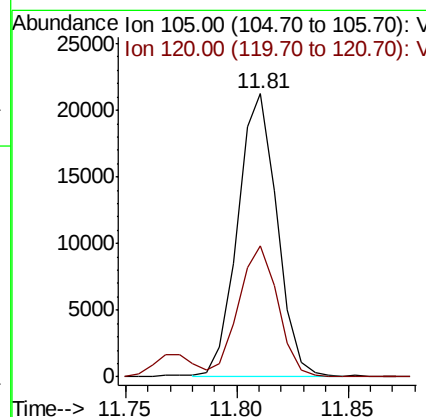
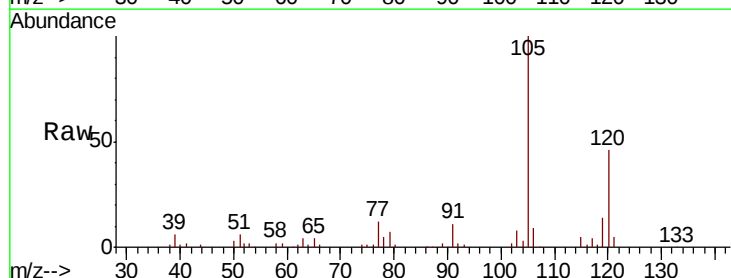
Manual Integrations
APPROVED

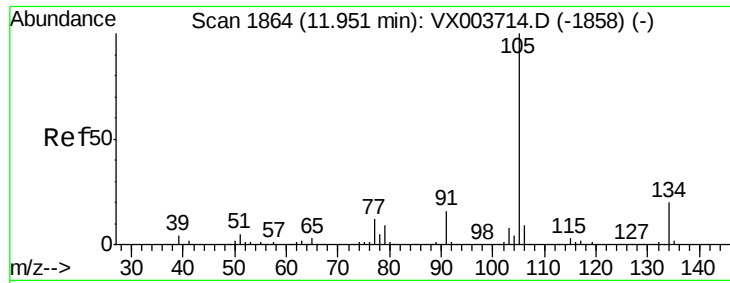
MMDadoda
7/30/2018 3:42:28 PM



#80
1,2,4-Trimethylbenzene
Concen: 4.498 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	0.0	89.2





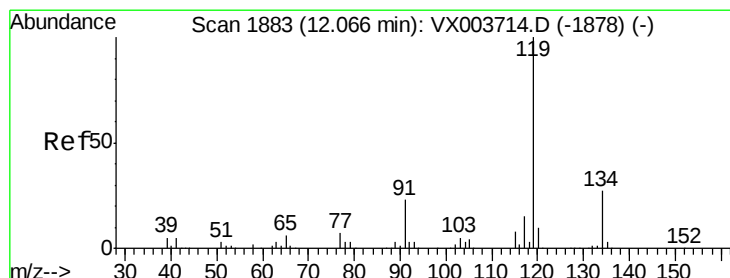
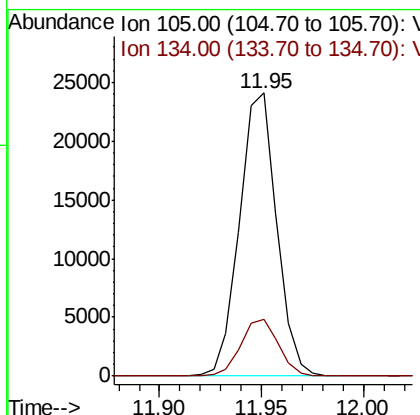
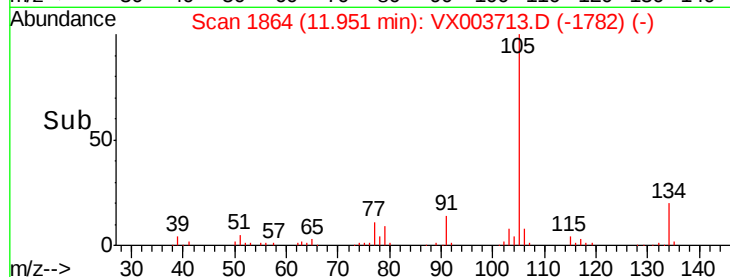
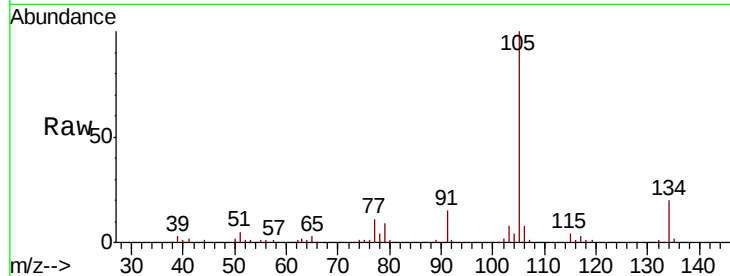
#81
 sec-Butylbenzene
 Concen: 4.492 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	41.6

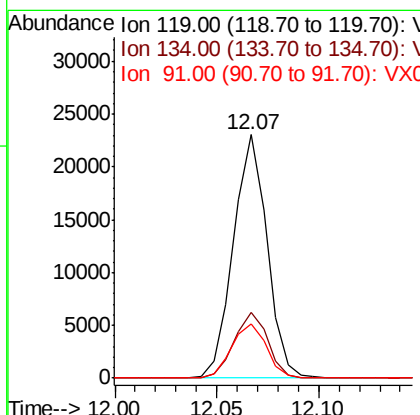
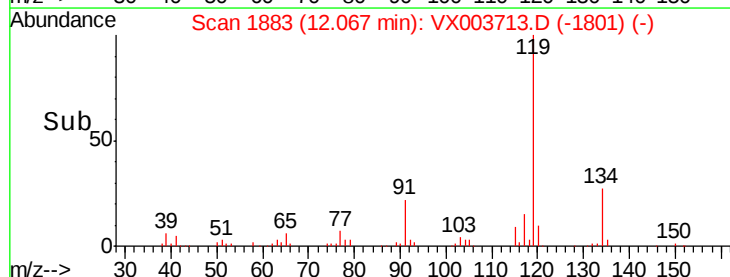
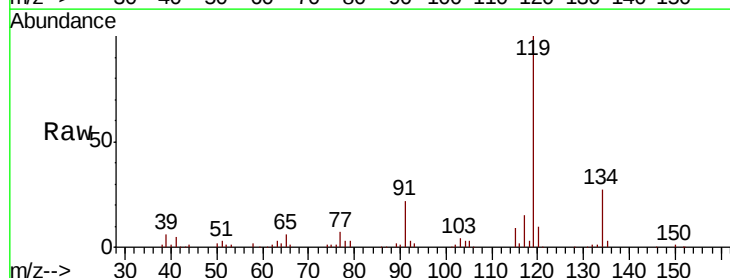
Manual Integrations
 APPROVED

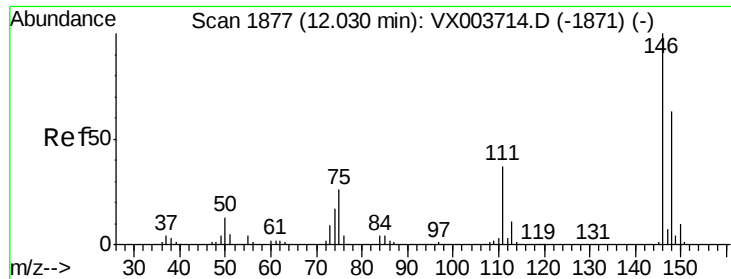
MMDadoda
 7/30/2018 3:42:28 PM



#82
 p-Isopropyltoluene
 Concen: 4.329 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.6
91	23.0	0.0	48.0





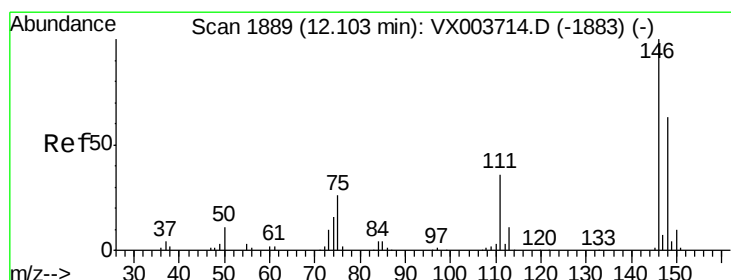
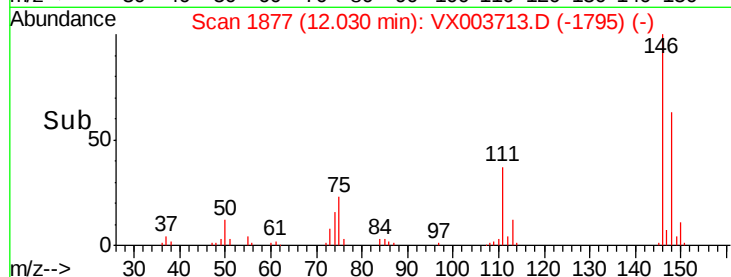
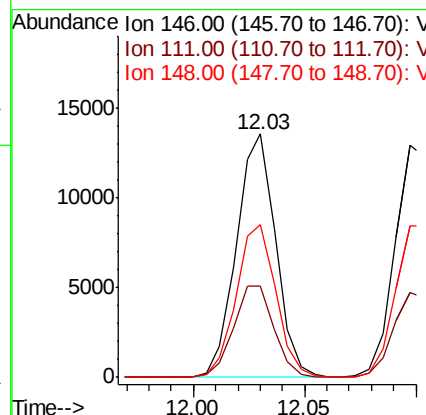
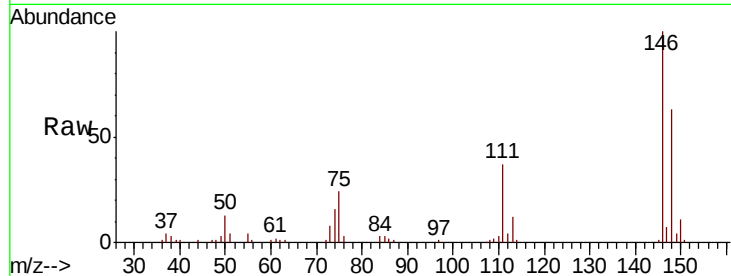
#83
 1,3-Dichlorobenzene
 Concen: 4.787 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.4	31.9	95.7

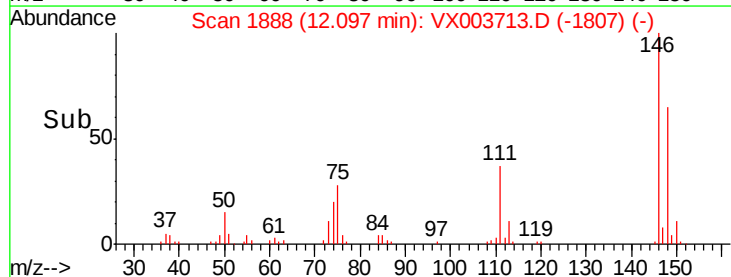
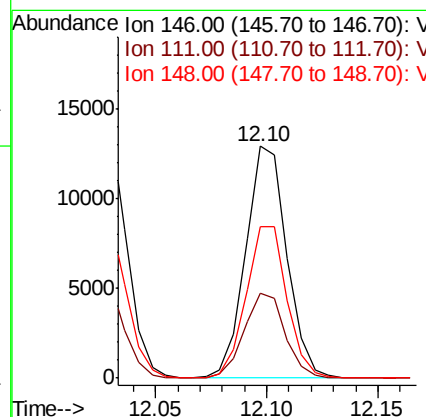
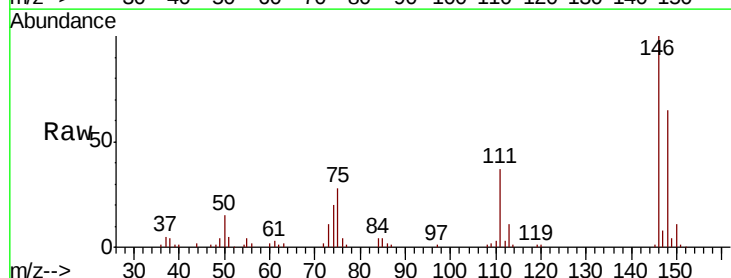
Manual Integrations
 APPROVED

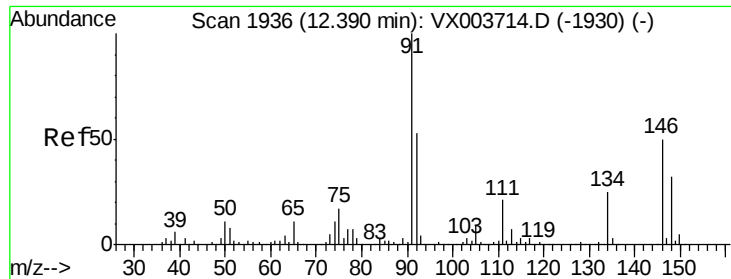
MMDadoda
 7/30/2018 3:42:28 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.731 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	65.0	32.0	96.0





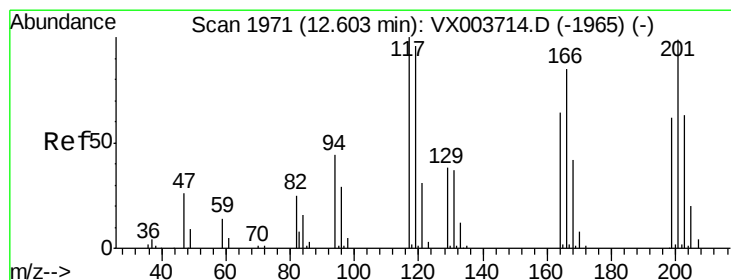
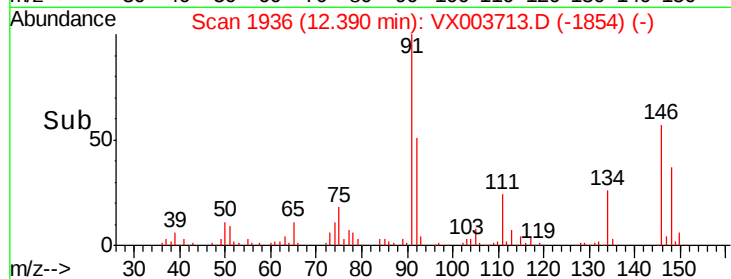
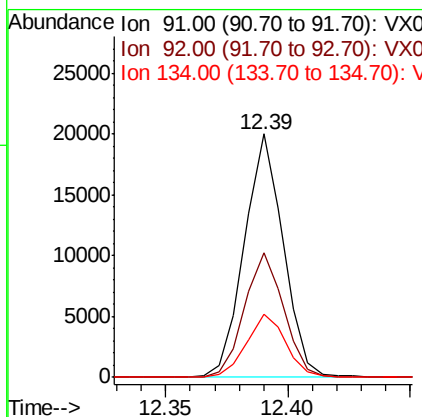
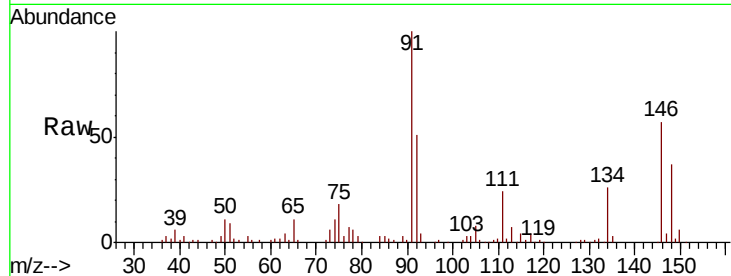
#85
n-Butylbenzene
Concen: 4.171 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	105.2
134	26.0	0.0	53.2

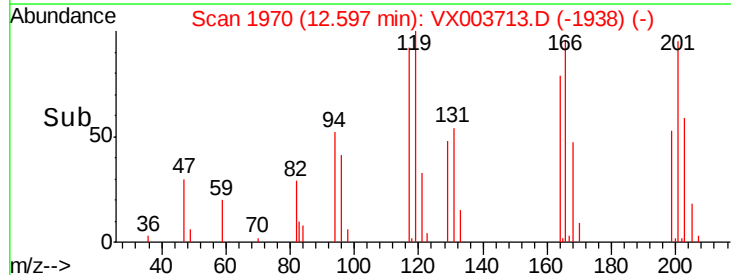
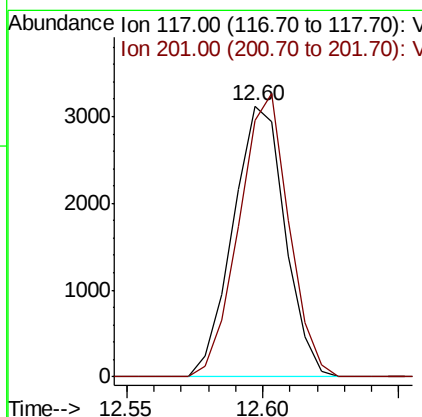
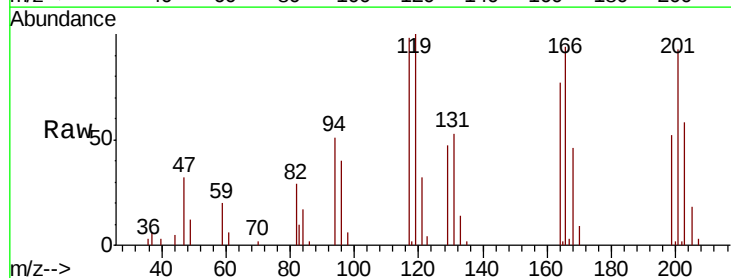
Manual Integrations
APPROVED

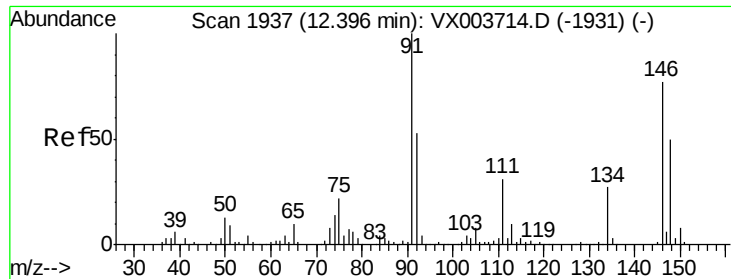
MMDadoda
7/30/2018 3:42:28 PM



#86
Hexachloroethane
Concen: 4.626 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	47.6	142.8





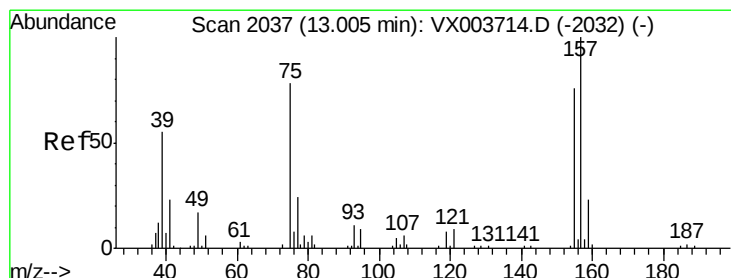
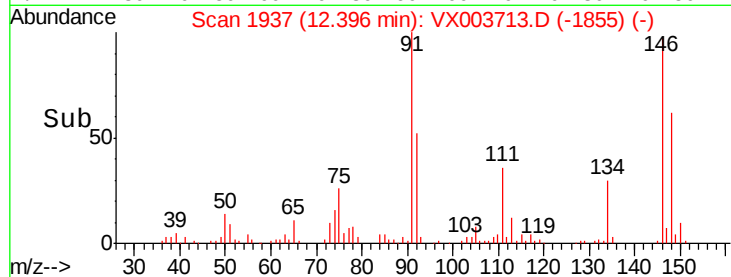
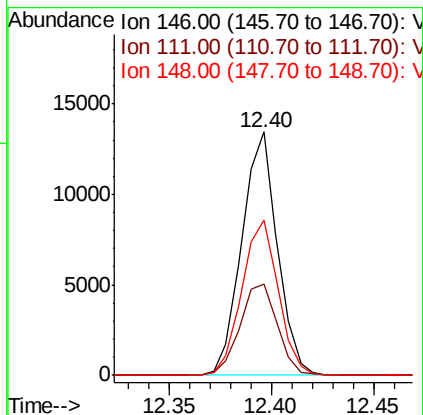
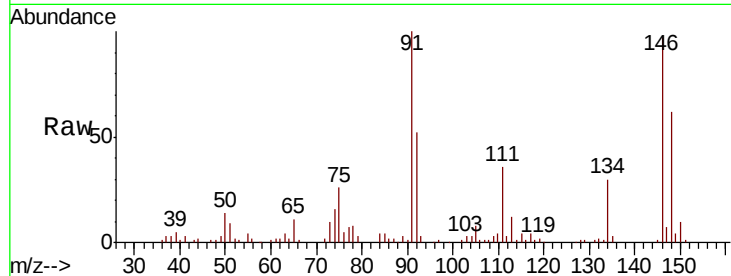
#87
 1,2-Dichlorobenzene
 Concen: 4.681 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	65.1	32.8	98.3

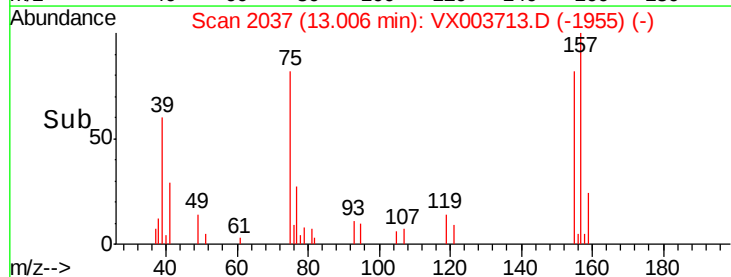
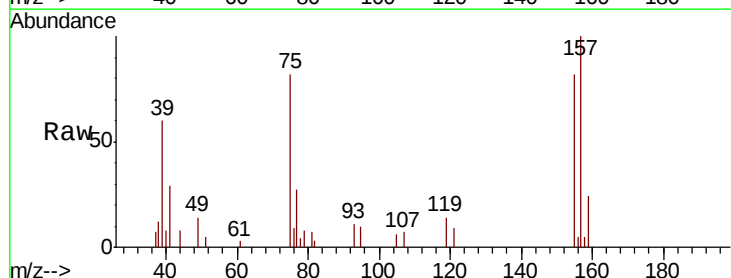
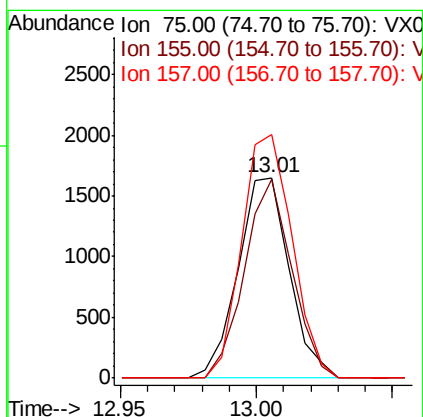
Manual Integrations
 APPROVED

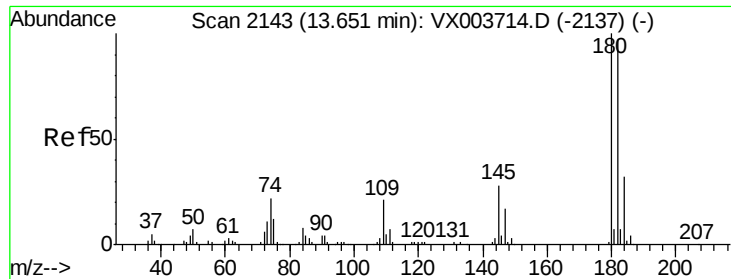
MMDadoda
 7/30/2018 3:42:28 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.906 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003713.D
 Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	73.1	109.7
157	118.5	93.1	139.7





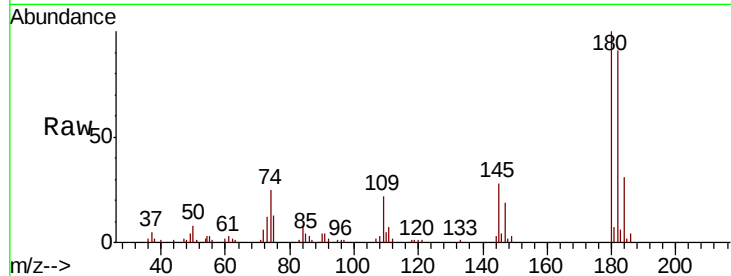
#89
1,2,4-Trichlorobenzene
Concen: 4.387 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.01 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	27.8	22.9	34.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM

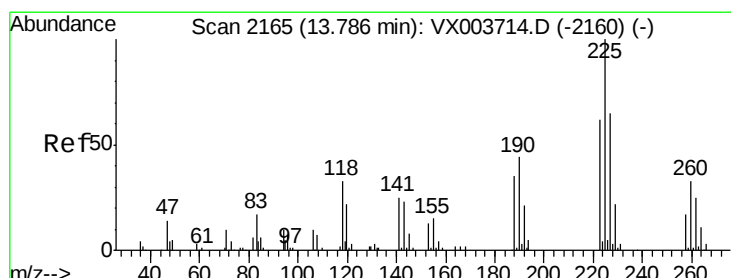
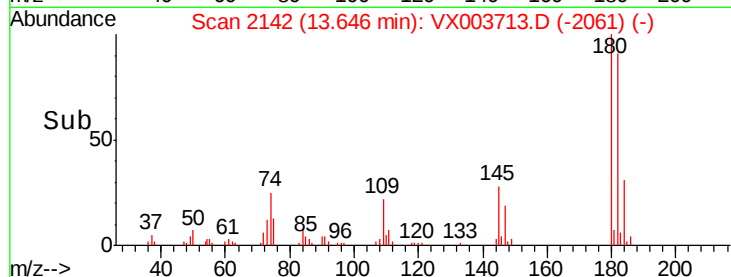
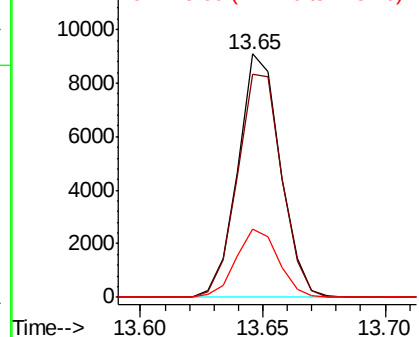


Abundance

Ion 180.00 (179.70 to 180.70): V

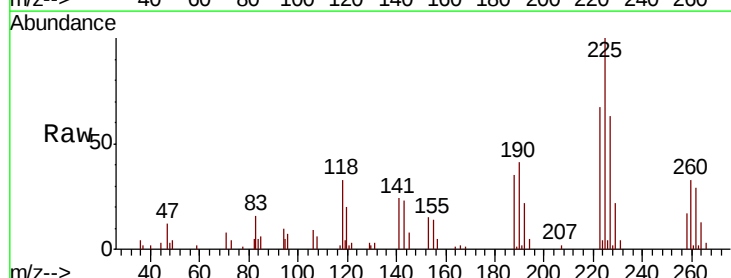
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 4.410 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003713.D
Acq: 27 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	0.0	122.4
227	65.6	0.0	128.0

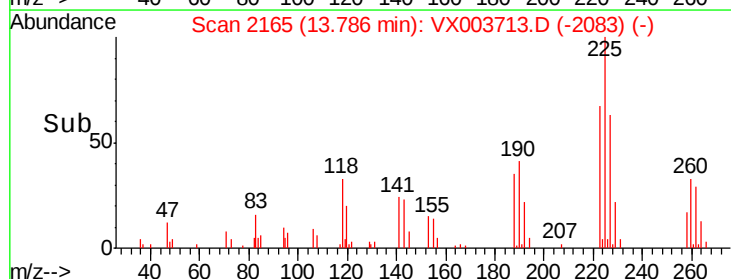
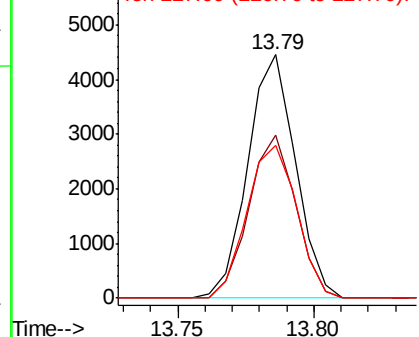


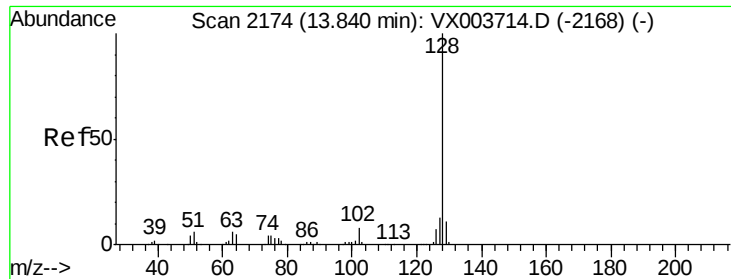
Abundance

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: 4.126 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Instrument :

MSVOA_X

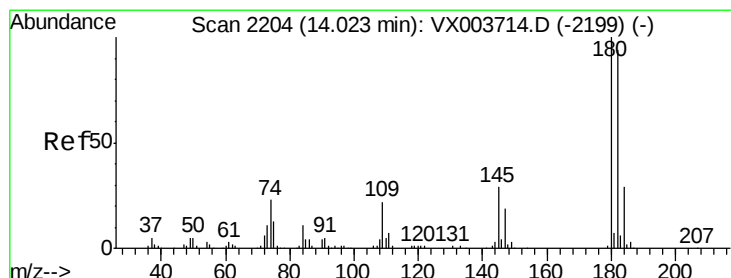
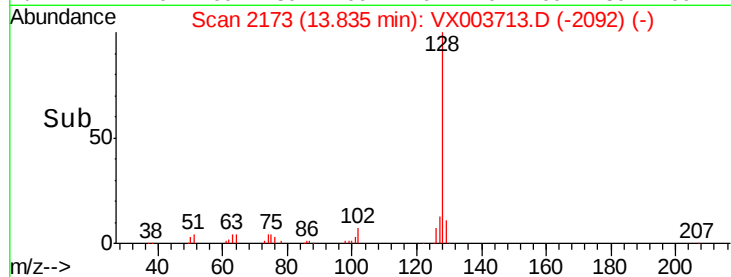
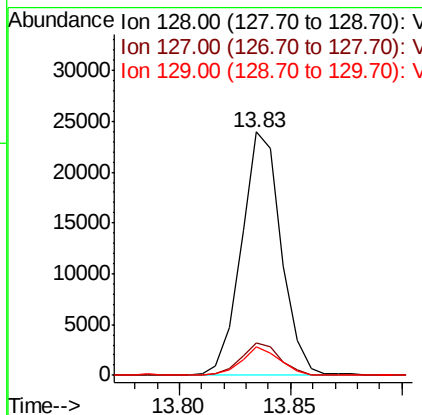
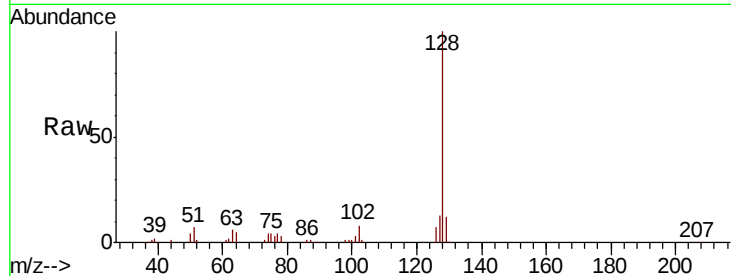
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	29827
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:28 PM



#92

1,2,3-Trichlorobenzene

Concen: 4.510 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003713.D

Acq: 27 Jul 2018 13:31

Tgt Ion:	180	Resp:	11461
Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	191.0
145	30.4	0.0	60.6

