

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072718\
 Data File : VX003723.D
 Acq On : 27 Jul 2018 20:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:33 PM

Quant Time: Jul 28 03:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	23585	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	117995	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	96188	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	50629	29.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.47%
60) 4-Bromofluorobenzene	11.14	95	46874	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.72	98	133636	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	21784	17.487	ug/l 99
3) Chloromethane	1.32	50	29694	17.711	ug/l 98
4) Vinyl Chloride	1.40	62	30708	17.415	ug/l 98
5) Bromomethane	1.64	94	17780	16.870	ug/l 100
6) Chloroethane	1.72	64	20156	17.463	ug/l 97
7) Trichlorofluoromethane	1.93	101	40934	17.260	ug/l 97
8) Diethyl Ether	2.19	74	17793	17.502	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	25476	17.716	ug/l 98
10) 1,1-Dichloroethene	2.37	96	24995	18.485	ug/l 90
11) Methyl Iodide	2.51	142	33343	17.789	ug/l 94
12) Methyl Acetate	2.78	43	44689	17.862	ug/l 93
13) Acrolein	2.30	56	17287	88.589	ug/l 96
14) Acrylonitrile	3.15	53	87313	88.567	ug/l 99
15) Acetone	2.45	58	23281	87.026	ug/l 70
16) Carbon Disulfide	2.57	76	65086	17.333	ug/l 100
17) Allyl chloride	2.73	41	47339	16.916	ug/l 91
18) Methylene Chloride	2.86	84	29582	18.468	ug/l 88
19) trans-1,2-Dichloroethene	3.17	96	26396	18.059	ug/l 95
20) Diisopropyl ether	3.88	45	91826	17.868	ug/l 97
21) 1,1-Dichloroethane	3.70	63	51323	17.641	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	29682	20.110	ug/l # 78
23) tert-Butyl Alcohol	3.08	59	36981	89.303	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	86526	17.842	ug/l # 90
25) Chloroform	5.22	83	49615	19.692	ug/l 99
26) Cyclohexane	5.57	56	43434	19.873	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	35983	20.651	ug/l 98
30) 2-Butanone	4.71	43	115565	103.857	ug/l 95
31) 2,2-Dichloropropane	4.58	77	33001	19.553	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	40906	20.519	ug/l 99
33) Carbon Tetrachloride	5.78	117	35747	20.634	ug/l 98
34) Benzene	6.15	78	113567	21.214	ug/l 97
35) Methacrylonitrile	5.07	41	24417	21.116	ug/l 91
36) 1,2-Dichloroethane	6.20	62	39187	20.365	ug/l 96
37) Trichloroethene	7.22	130	27347	19.599	ug/l 92
38) Methylcyclohexane	7.46	83	33640	16.990	ug/l 99
39) 1,2-Dichloropropane	7.52	63	24776	17.513	ug/l 96
40) Dibromomethane	7.67	93	15956	17.428	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003723.D
 Acq On : 27 Jul 2018 20:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:33 PM

Quant Time: Jul 28 03:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	29856	17.069	ug/l	98
42) Vinyl Acetate	3.83	43	383367	89.663	ug/l	98
43) Ethyl Acetate	4.87	43	43603	20.978	ug/l	95
44) Isopropyl Acetate	6.47	43	64955	20.375	ug/l	96
45) 1,4-Dioxane	7.76	88	12372	349.447	ug/l #	88
46) Methyl methacrylate	7.78	41	29186	17.745	ug/l	94
47) n-amyl Acetate	10.90	43	50354	16.730	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	35609	16.777	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	32536	16.338	ug/l	94
50) 1,1,2-Trichloroethane	9.22	97	24493	16.853	ug/l	99
51) Ethyl methacrylate	9.18	69	35777	16.349	ug/l	90
52) 1,3-Dichloropropane	9.38	76	41609	17.204	ug/l	100
53) Dibromochloromethane	9.59	129	22926	16.060	ug/l	99
54) 1,2-Dibromoethane	9.68	107	25218	16.593	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	95739	84.822	ug/l	99
56) Bromoform	10.86	173	17141	15.472	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	196045	107.941	ug/l	96
59) 2-Hexanone	9.50	43	150718	104.220	ug/l	97
61) Tetrachloroethene	9.34	164	22169	19.804	ug/l	96
62) Toluene	8.79	91	103486	20.728	ug/l	99
64) Chlorobenzene	10.14	112	64722	20.061	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22861	20.025	ug/l	98
66) Ethyl Benzene	10.26	91	109421	19.917	ug/l	99
67) m/p-Xylenes	10.36	106	85658	40.480	ug/l	100
68) o-Xylene	10.70	106	40566	20.039	ug/l	99
69) Styrene	10.71	104	68344	19.938	ug/l	99
70) Isopropylbenzene	11.02	105	111929	20.082	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	41565	20.890	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	35123m	21.220	ug/l	
73) Bromobenzene	11.26	156	29897	19.904	ug/l	98
74) n-propylbenzene	11.36	91	136664	20.817	ug/l	99
75) 2-Chlorotoluene	11.42	91	80842	20.893	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	96880	20.485	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	10208	18.099	ug/l	90
78) 4-Chlorotoluene	11.51	91	93246	20.596	ug/l	100
79) tert-butylbenzene	12.07	119	95920	19.712	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	101803	21.033	ug/l	99
81) sec-Butylbenzene	11.95	105	114292	20.752	ug/l	98
82) p-Isopropyltoluene	12.07	119	95920	19.712	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	54533	19.880	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	54431	19.708	ug/l	100
85) n-Butylbenzene	12.39	91	84063	19.462	ug/l	98
86) Hexachloroethane	12.60	117	15157	19.329	ug/l	93
87) 1,2-Dichlorobenzene	12.40	146	55015	19.978	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	8416	20.040	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	40063	20.720	ug/l	99
90) Hexachlorobutadiene	13.79	225	19735	22.517	ug/l	99
91) Naphthalene	13.83	128	128374	21.724	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	39832	20.230	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
Data File : VX003723.D
Acq On : 27 Jul 2018 20:33
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

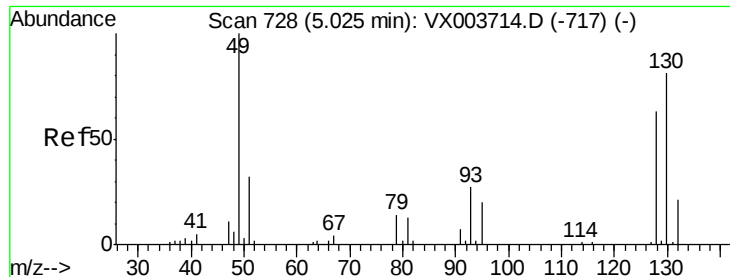
Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM

Quant Time: Jul 28 03:18:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 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: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 23585

Ion Ratio Lower Upper

128 100

49 163.7 0.0 423.0

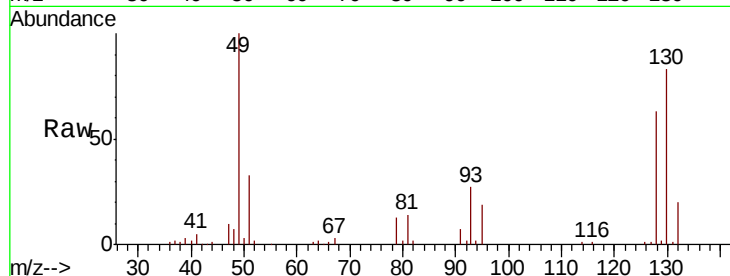
130 130.5 0.0 324.3

Manual Integrations

APPROVED

MMDadoda

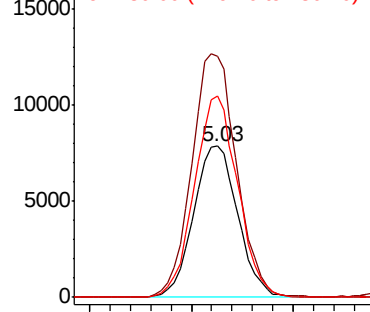
7/30/2018 3:42:33 PM



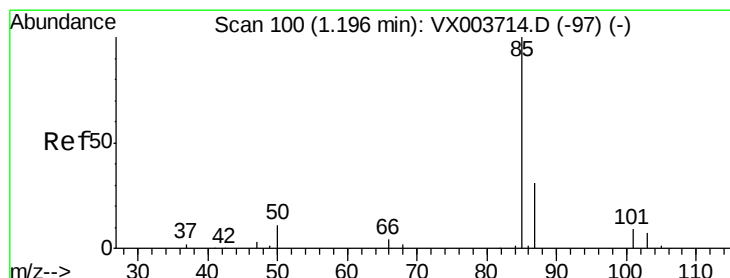
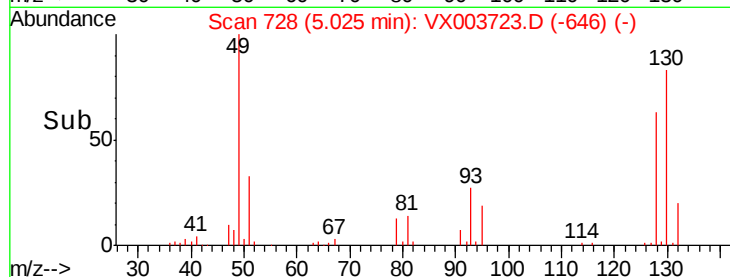
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 17.487 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003723.D

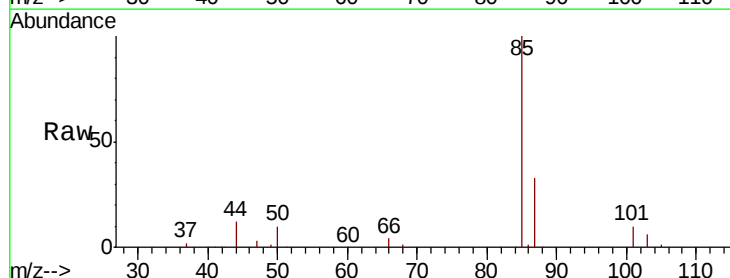
Acq: 27 Jul 2018 20:33

Tgt Ion: 85 Resp: 21784

Ion Ratio Lower Upper

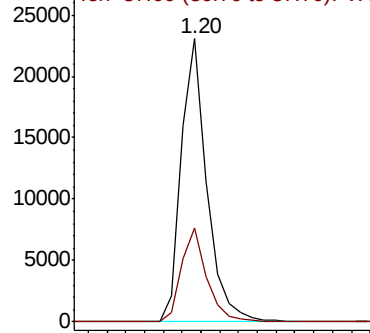
85 100

87 33.0 16.2 48.5

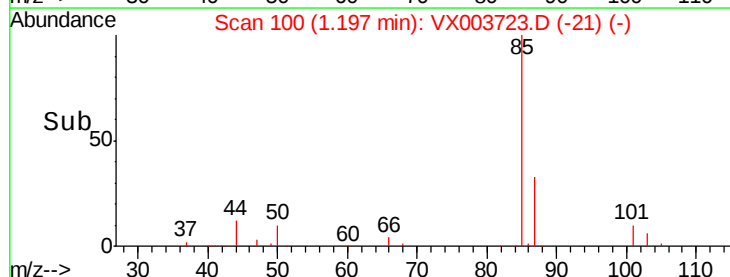


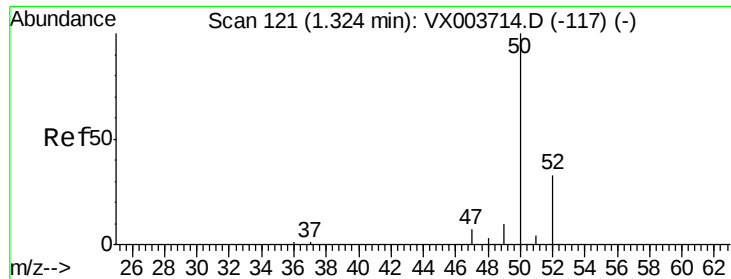
Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->





#3

Chloromethane

Concen: 17.711 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 29694

Ion Ratio Lower Upper

50 100

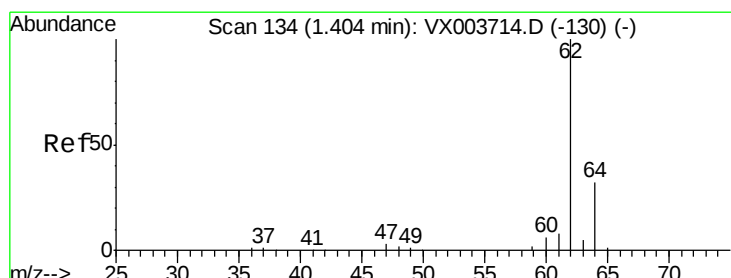
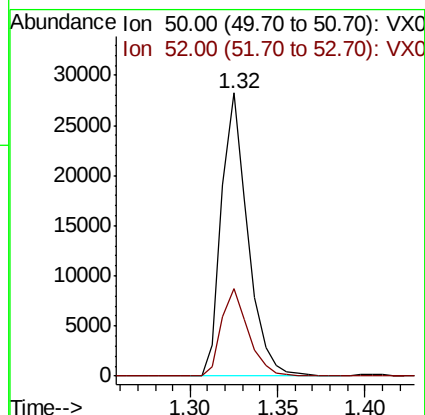
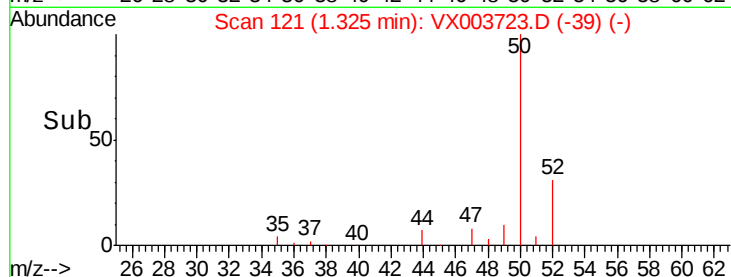
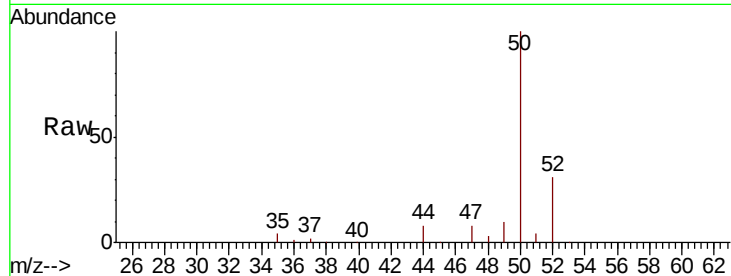
52 30.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:33 PM



#4

Vinyl Chloride

Concen: 17.415 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003723.D

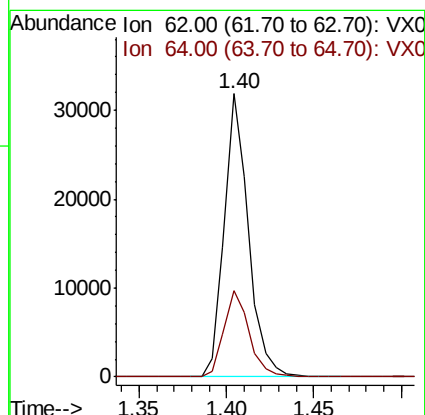
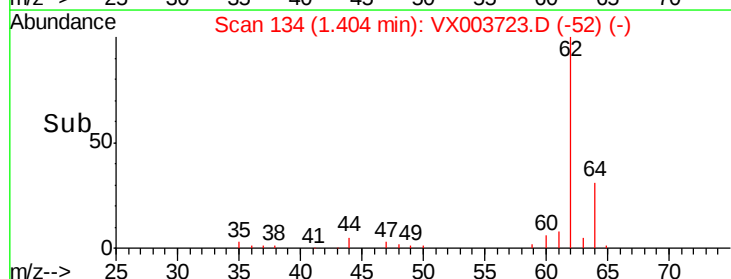
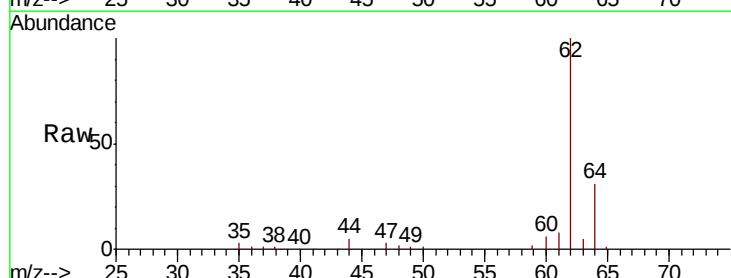
Acq: 27 Jul 2018 20:33

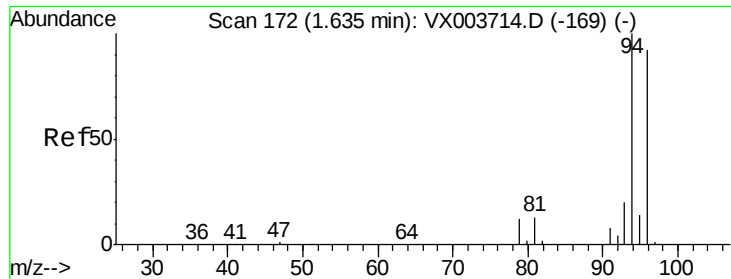
Tgt Ion: 62 Resp: 30708

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 16.870 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 17780

Ion Ratio Lower Upper

94 100

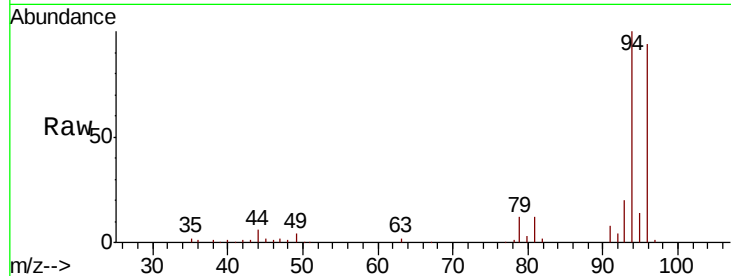
96 94.3 75.7 113.5

Manual Integrations

APPROVED

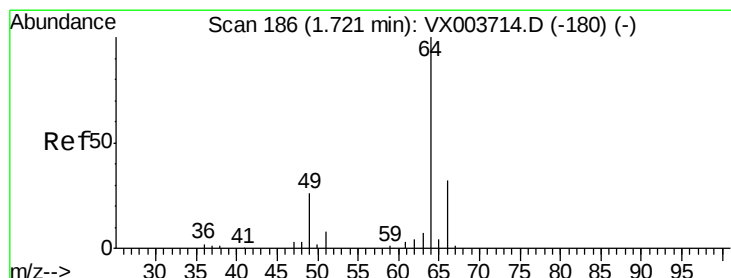
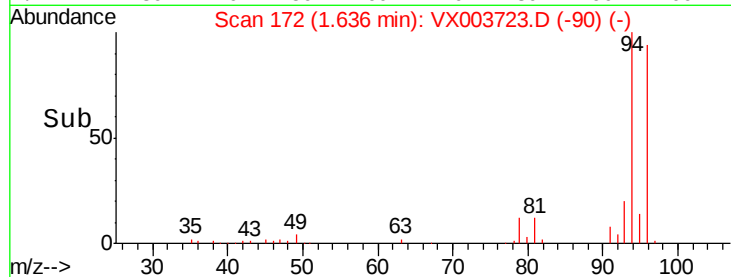
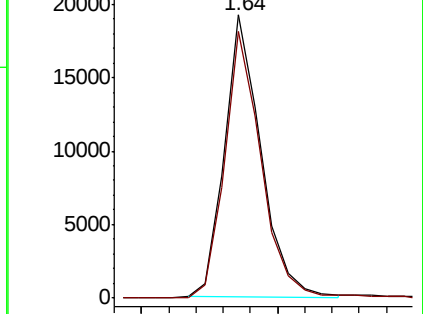
MMDadoda

7/30/2018 3:42:33 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.463 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003723.D

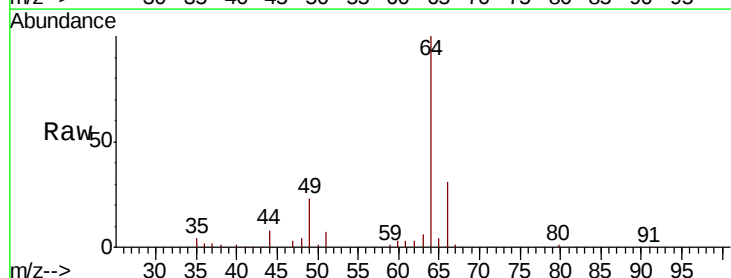
Acq: 27 Jul 2018 20:33

Tgt Ion: 64 Resp: 20156

Ion Ratio Lower Upper

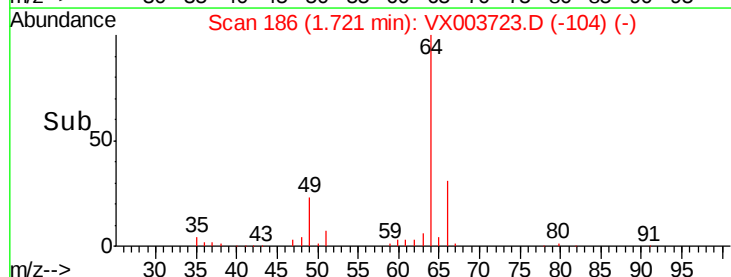
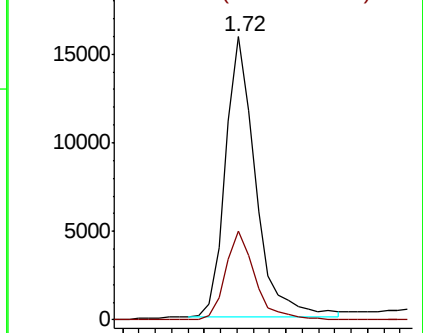
64 100

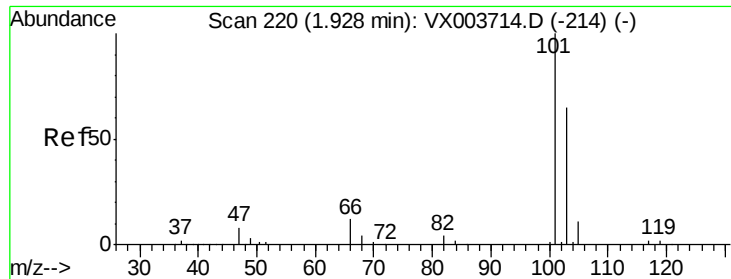
66 31.8 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

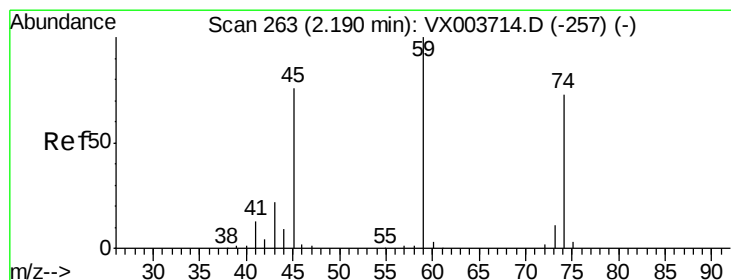
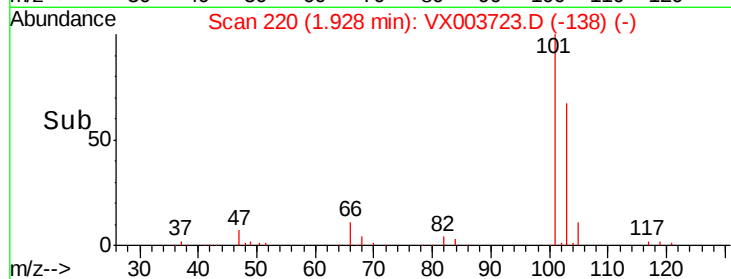
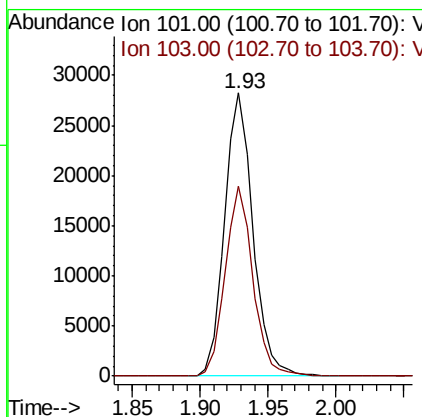
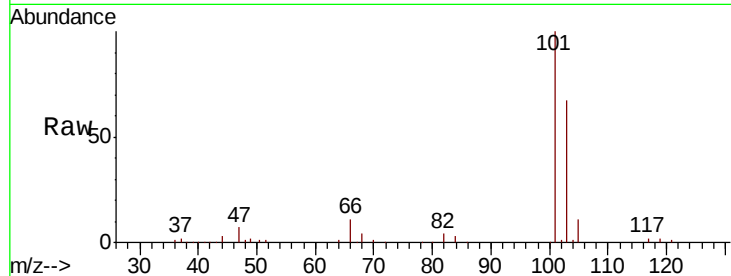
Trichlorofluoromethane
Concen: 17.260 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.5	77.3

Manual Integrations
APPROVED

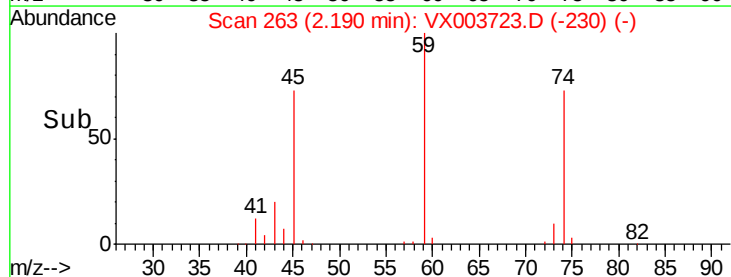
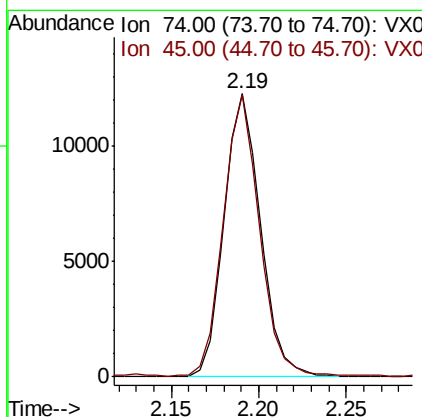
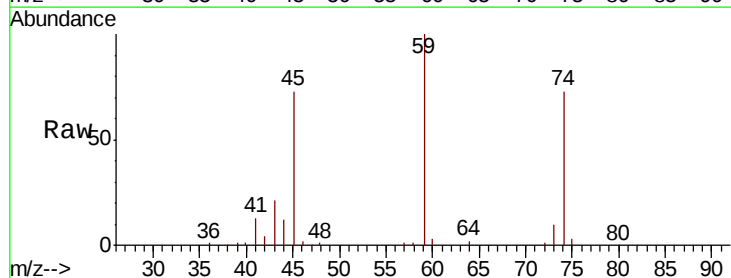
MMDadoda
7/30/2018 3:42:33 PM

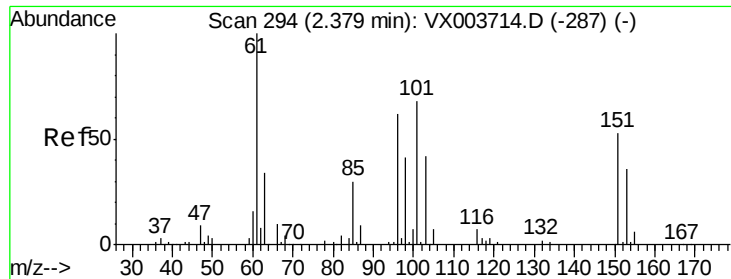


#8

Diethyl Ether
Concen: 17.502 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.716 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

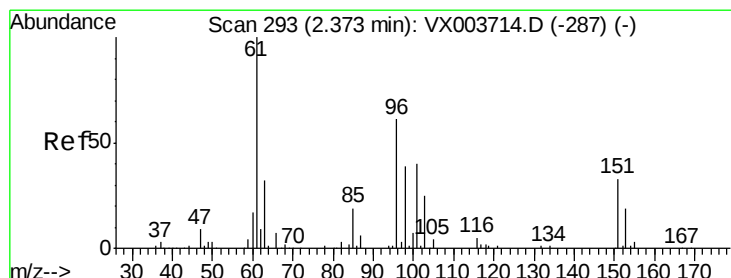
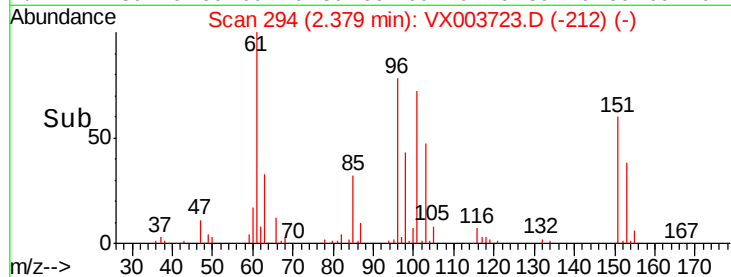
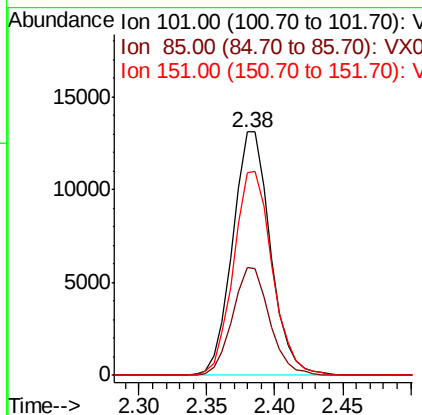
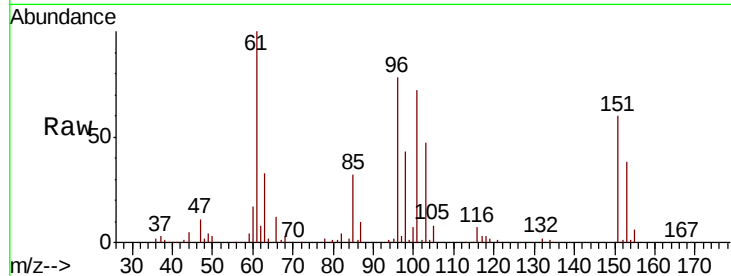
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	25476
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	87.0
151	85.6	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#10

1,1-Dichloroethene

Concen: 18.485 ug/l

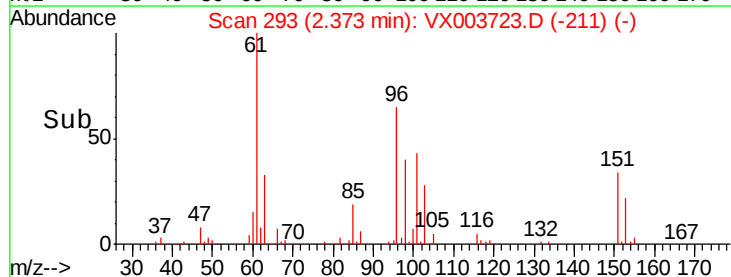
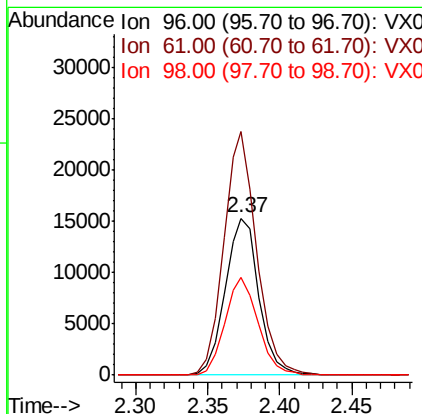
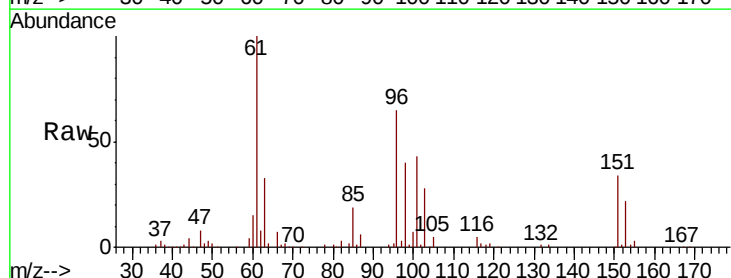
RT: 2.37 min Scan# 293

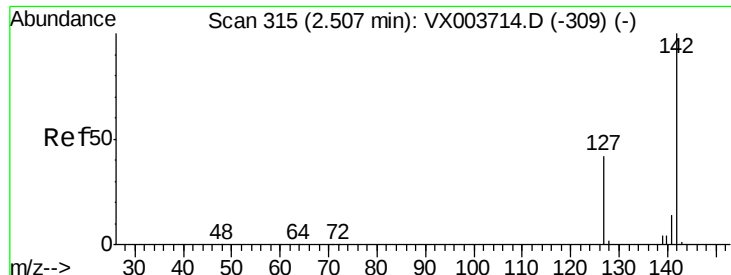
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	96	Resp:	24995
Ion Ratio	Lower	Upper	
96	100		
61	154.9	137.5	206.3
98	62.0	51.4	77.2





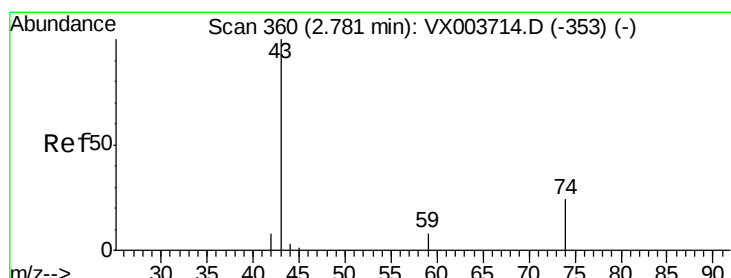
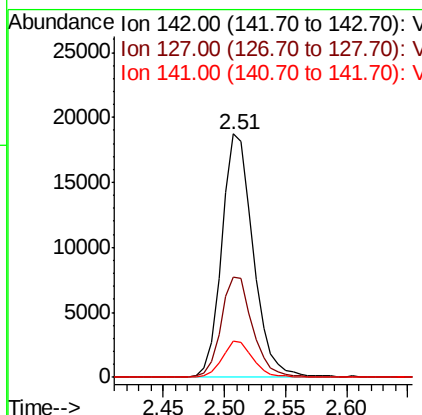
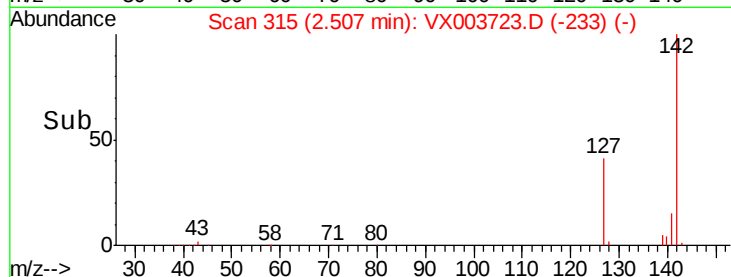
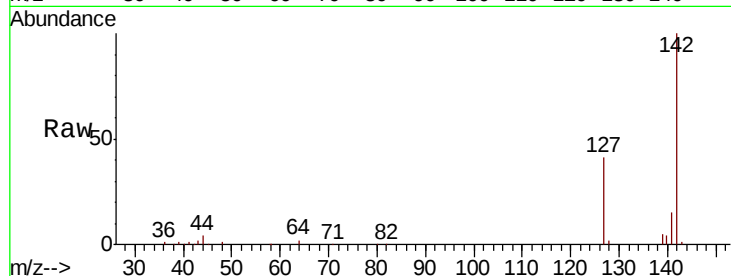
#11
Methyl Iodide
Concen: 17.789 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	23.2	69.6
141	14.8	7.4	22.2

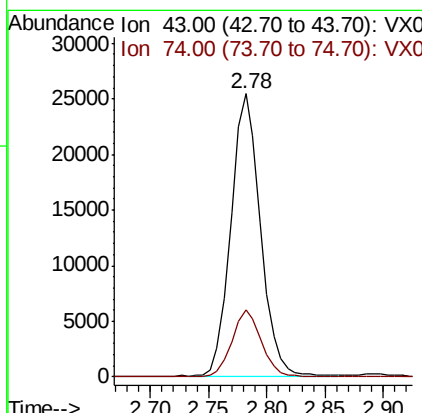
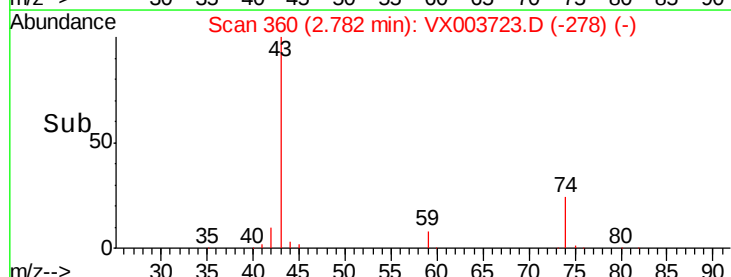
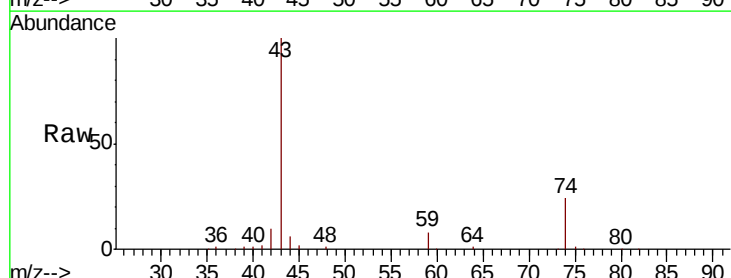
Manual Integrations
APPROVED

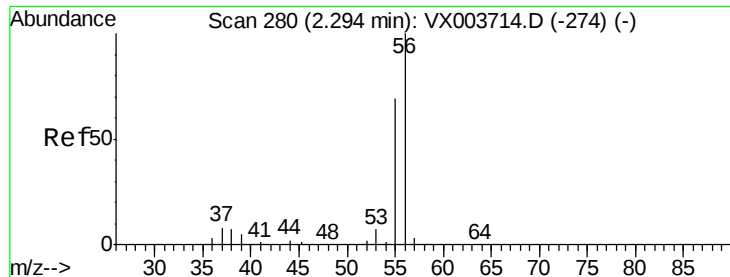
MMDadoda
7/30/2018 3:42:33 PM



#12
Methyl Acetate
Concen: 17.862 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	16.4	24.6





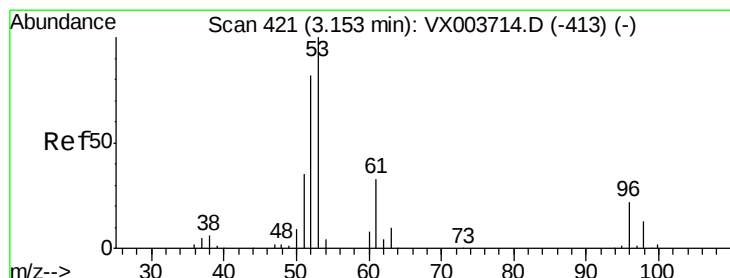
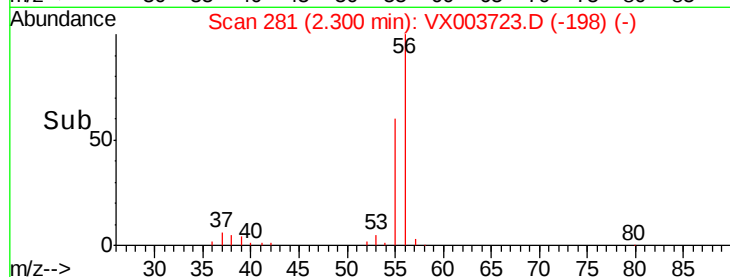
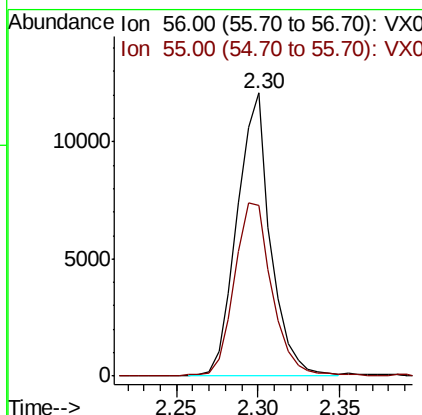
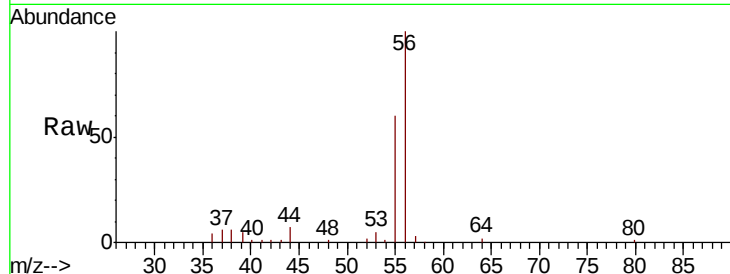
#13
 Acrolein
 Concen: 88.589 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	56	55	Resp	17287	Lower	Upper
Ion Ratio	100	68.4				
					57.3	85.9

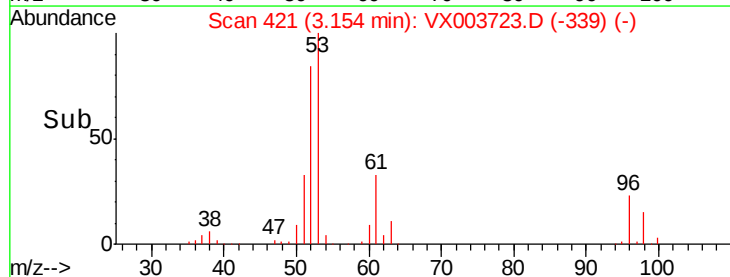
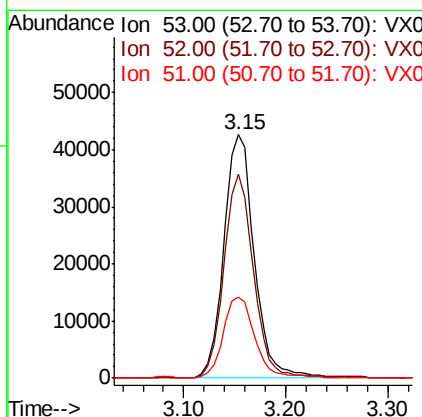
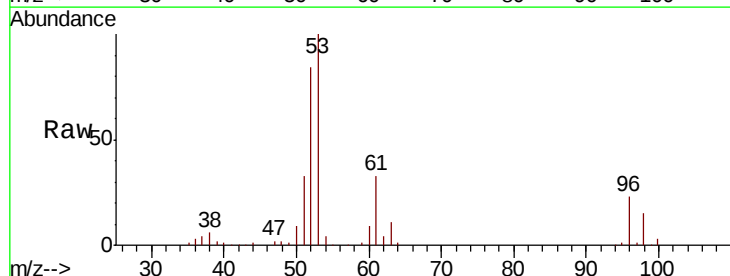
Manual Integrations
 APPROVED

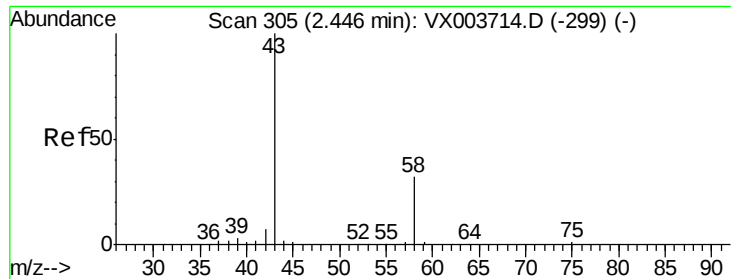
MMDadoda
 7/30/2018 3:42:33 PM



#14
 Acrylonitrile
 Concen: 88.567 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	53	52	51	Resp	87313	Lower	Upper
Ion Ratio	100	81.8	35.1				
						41.5	124.6
						17.9	53.8





#15

Acetone

Concen: 87.026 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 23281

Ion Ratio Lower Upper

58 100

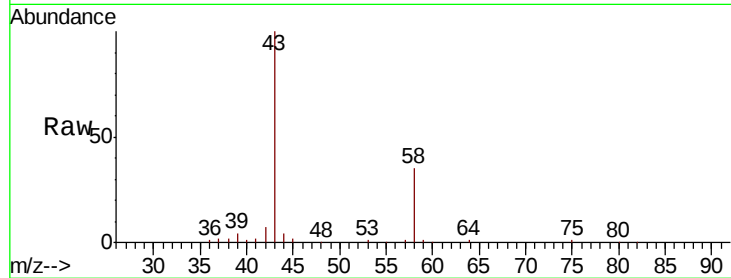
43 283.9 278.8 418.2

Manual Integrations

APPROVED

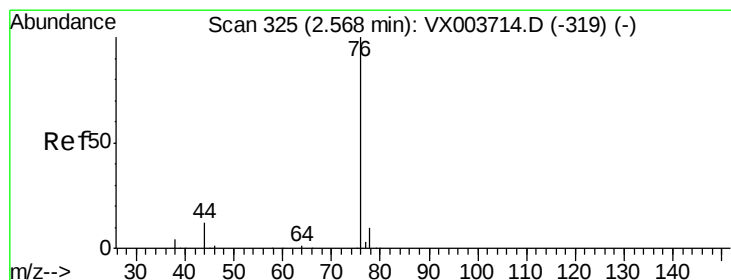
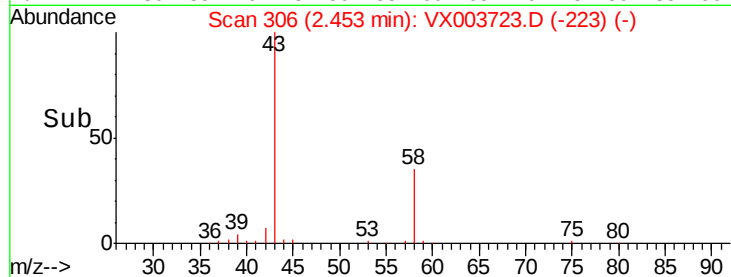
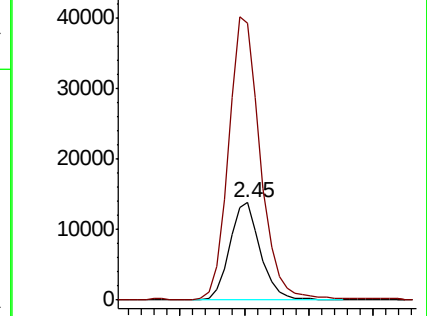
MMDadoda

7/30/2018 3:42:33 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.333 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003723.D

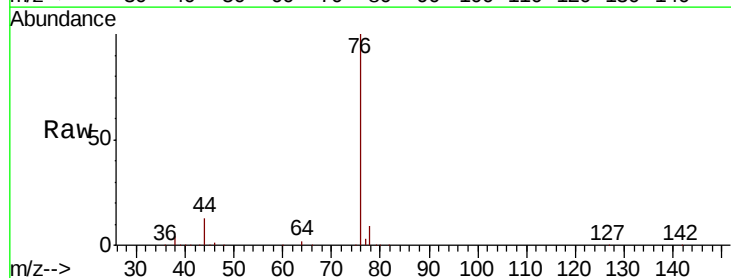
Acq: 27 Jul 2018 20:33

Tgt Ion: 76 Resp: 65086

Ion Ratio Lower Upper

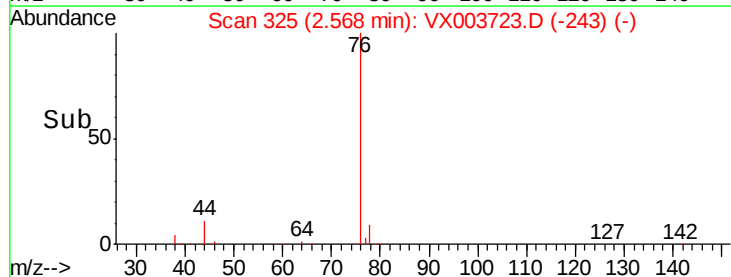
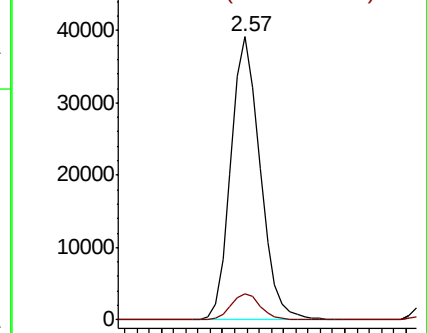
76 100

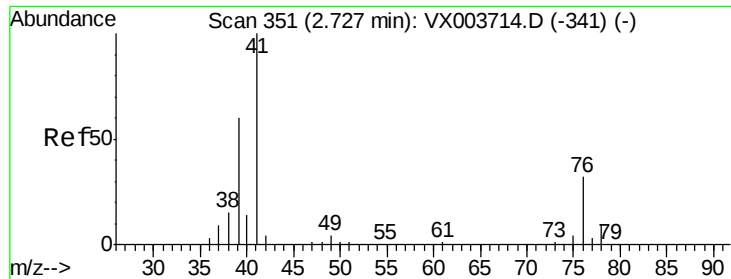
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





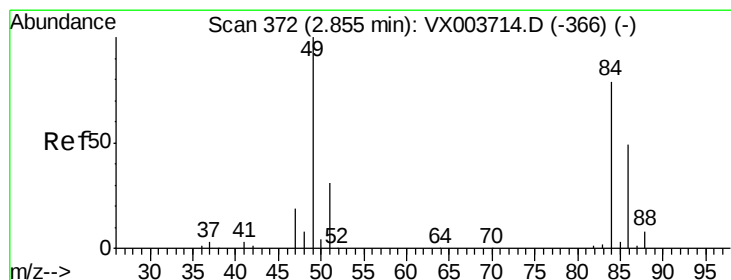
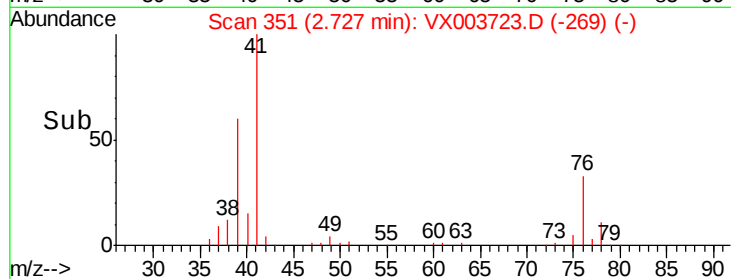
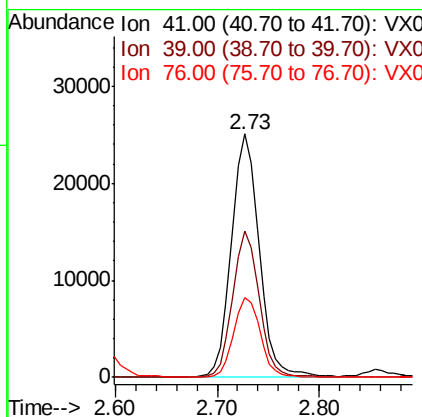
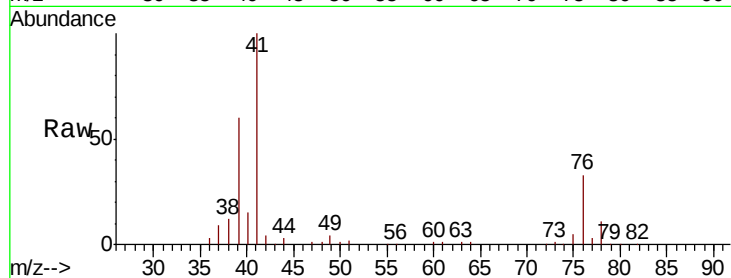
#17
Allvl chloride
Concen: 16.916 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	34.6	103.8
76	32.6	15.0	45.1

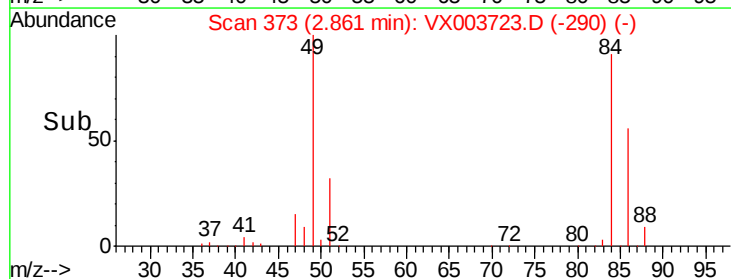
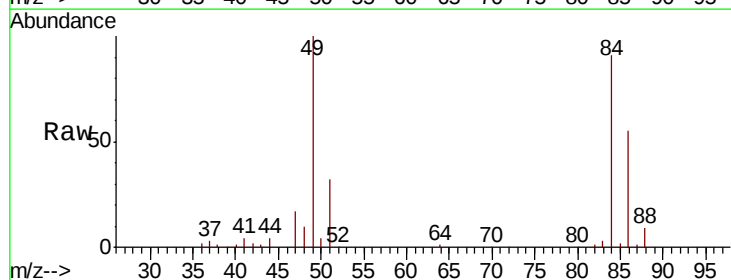
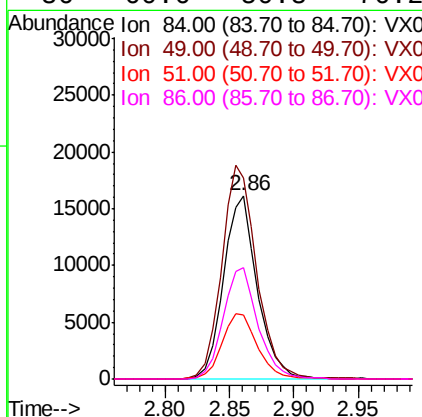
Manual Integrations
APPROVED

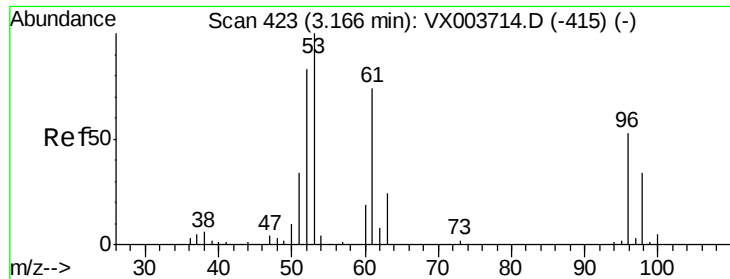
MMDadoda
7/30/2018 3:42:33 PM



#18
Methylene Chloride
Concen: 18.468 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	104.7	157.1
51	34.8	31.0	46.4
86	60.6	50.8	76.2





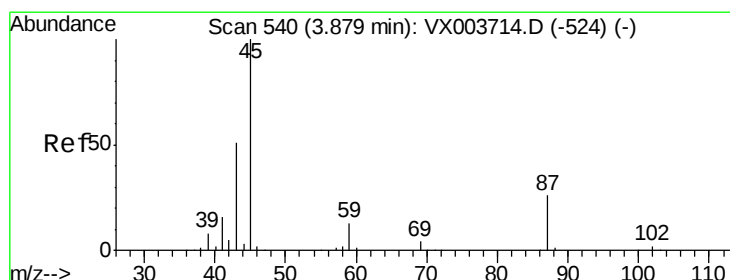
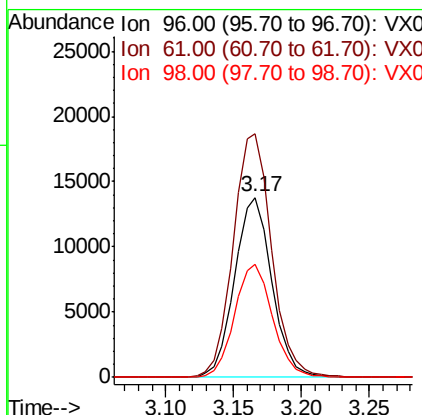
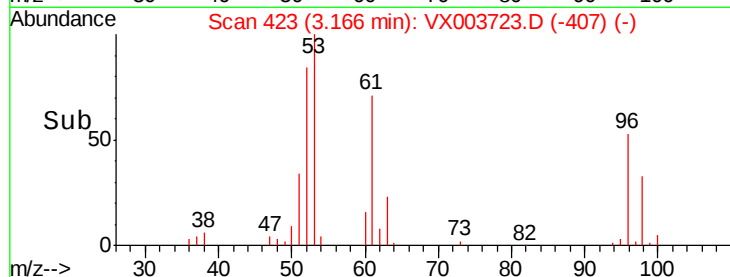
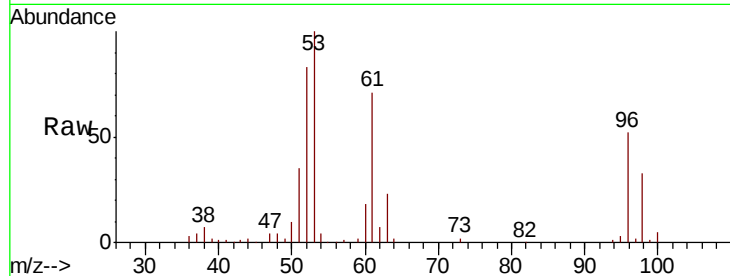
#19
trans-1,2-Dichloroethene
Concen: 18.059 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	114.6	172.0
98	62.8	51.3	76.9

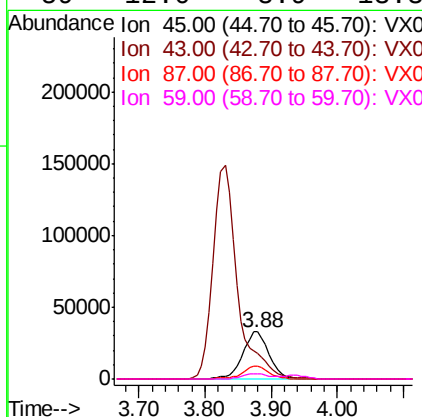
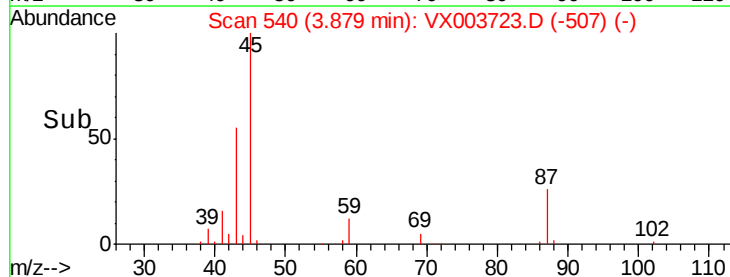
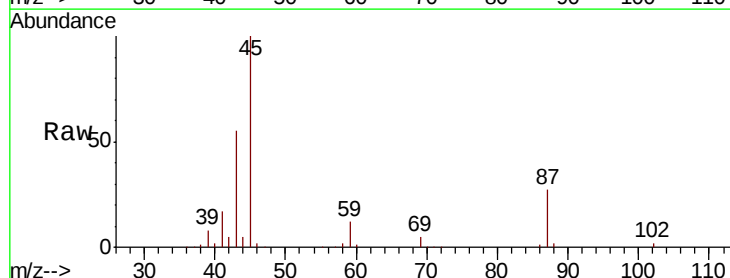
Manual Integrations
APPROVED

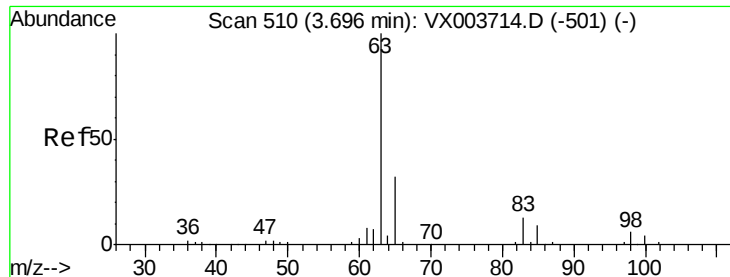
MMDadoda
7/30/2018 3:42:33 PM



#20
Diisopropyl ether
Concen: 17.868 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	45.6	68.4
87	27.0	20.7	31.1
59	12.0	8.9	13.3





#21

1,1-Dichloroethane

Concen: 17.641 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

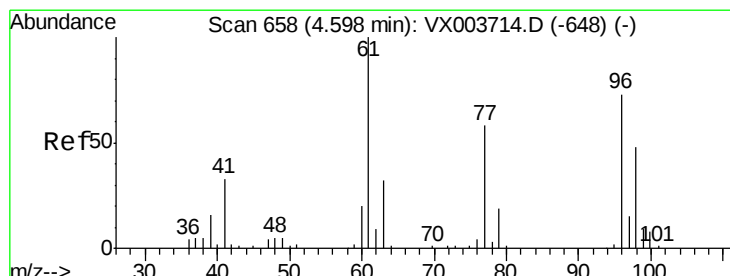
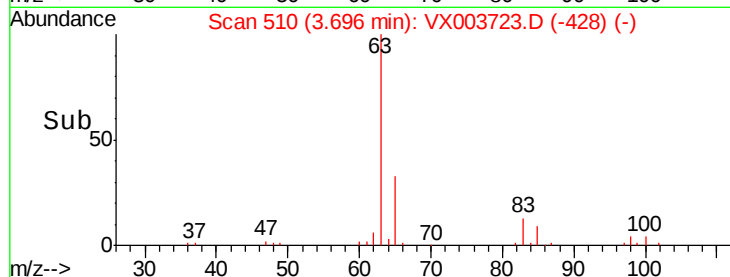
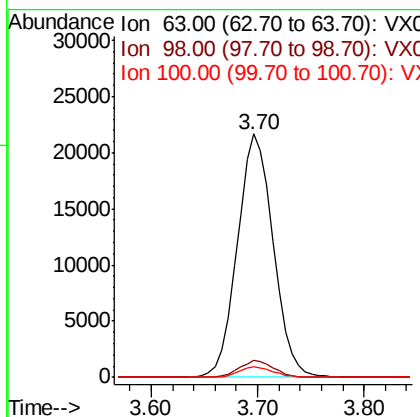
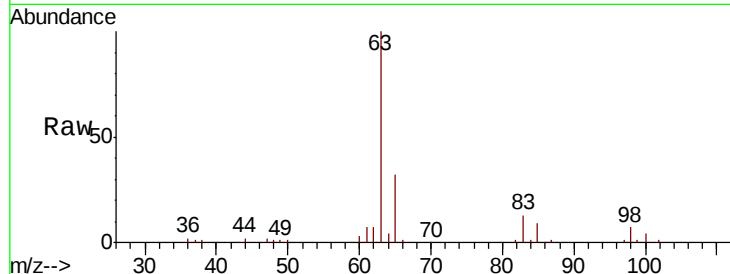
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	51323
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.1	9.3
100	4.3	2.2	6.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#22

cis-1,2-Dichloroethene

Concen: 20.110 ug/l

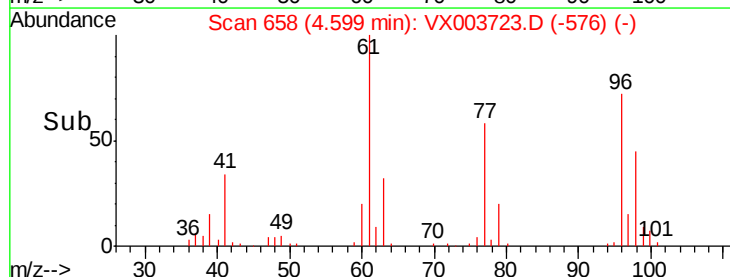
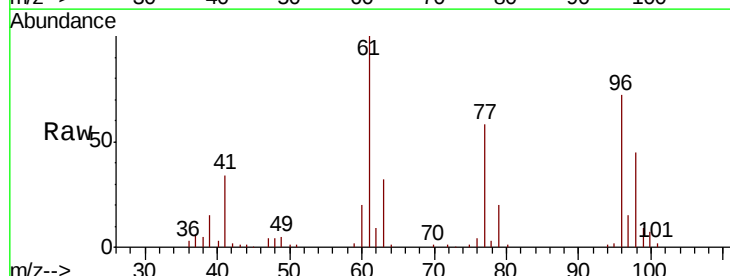
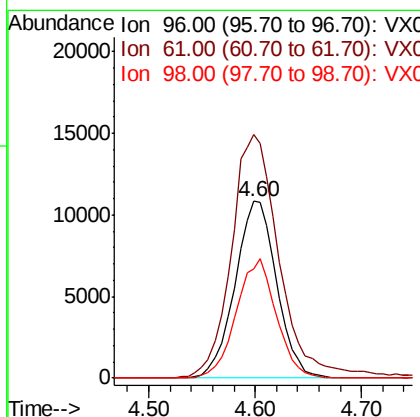
RT: 4.60 min Scan# 658

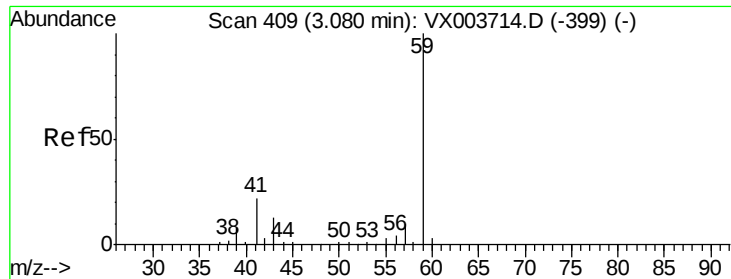
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	96	Resp:	29682
Ion	Ratio	Lower	Upper
96	100		
61	156.9	160.2	240.2#
98	64.9	54.1	81.1





#23

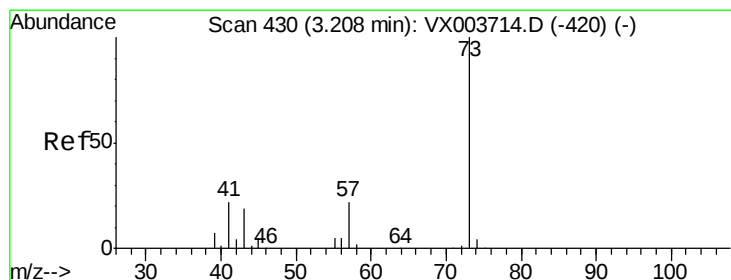
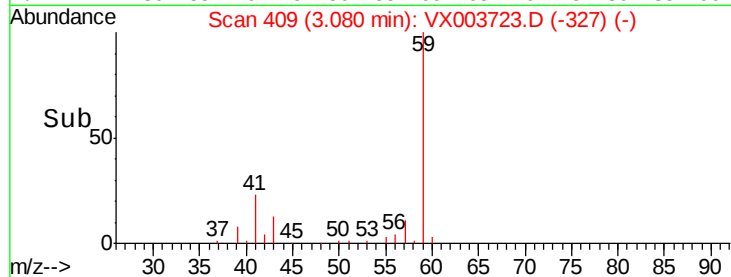
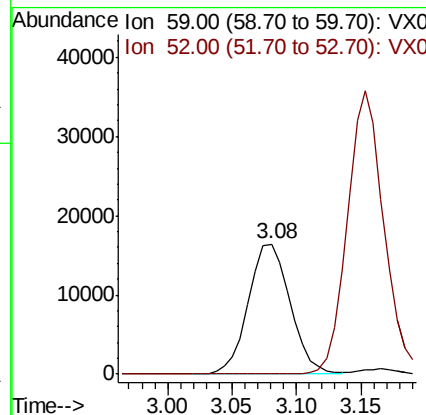
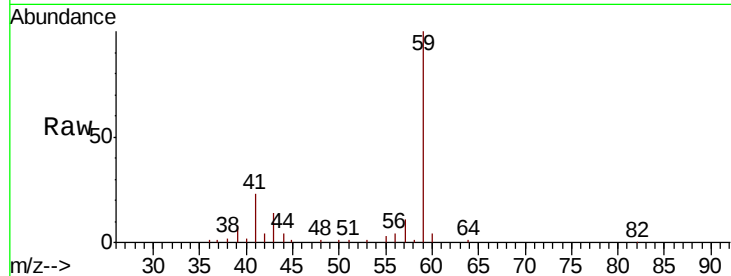
tert-Butyl Alcohol
 Concen: 89.303 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
36981	100	0.0		0.2	0.2#

Manual Integrations
 APPROVED

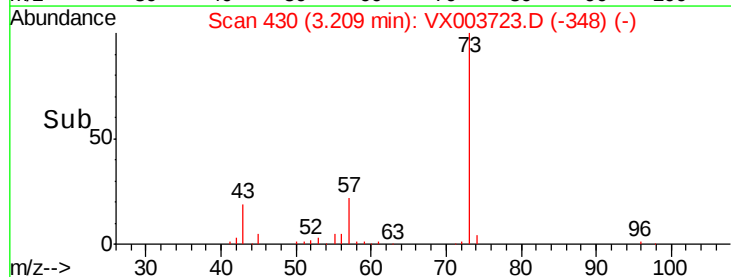
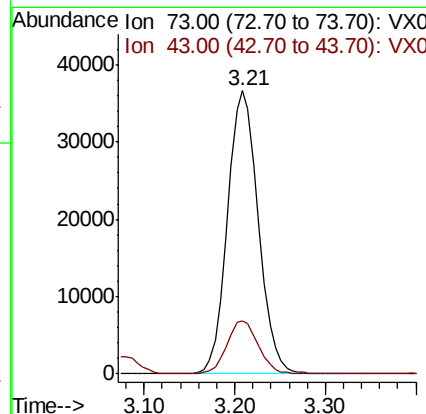
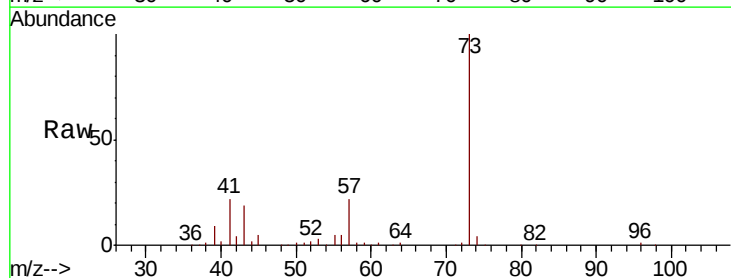
MMDadoda
 7/30/2018 3:42:33 PM

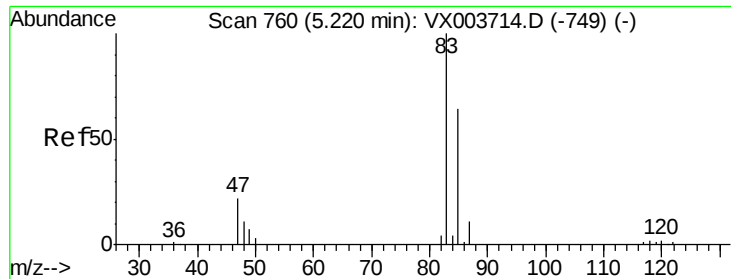


#24

Methyl tert-Butyl Ether
 Concen: 17.842 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	73	43	Ratio	Lower	Upper
86526	100	18.7		19.0	28.4#





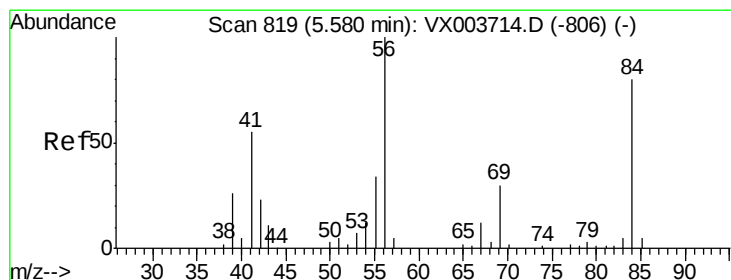
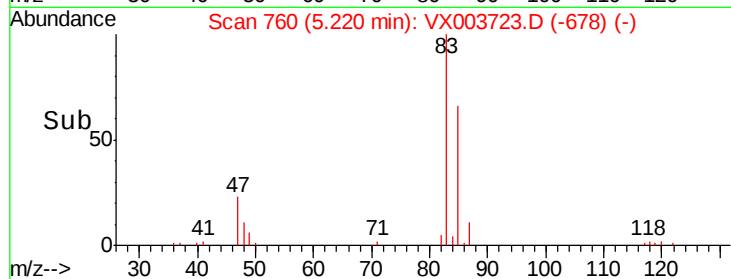
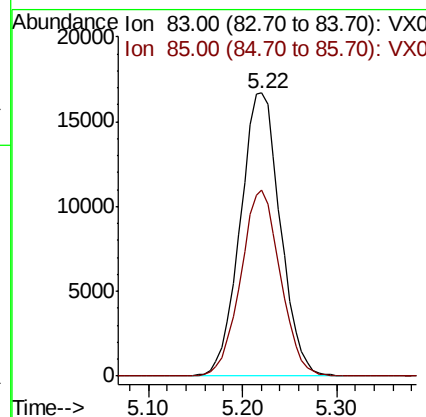
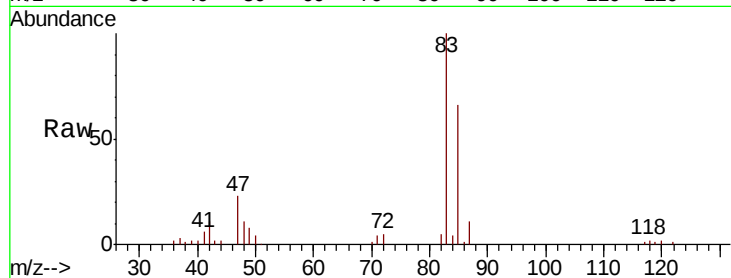
#25
Chloroform
Concen: 19.692 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	49615
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9

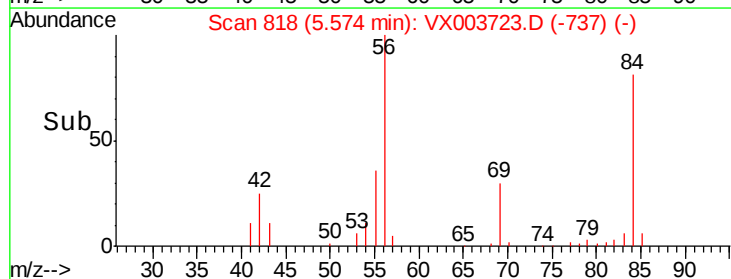
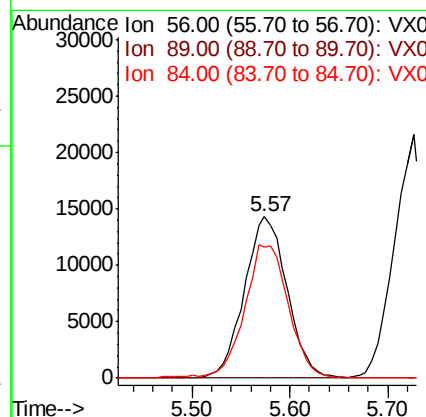
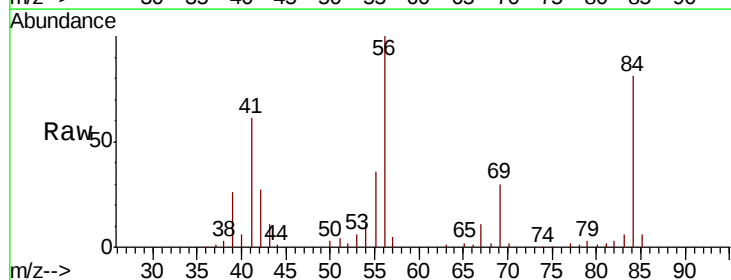
Manual Integrations
APPROVED

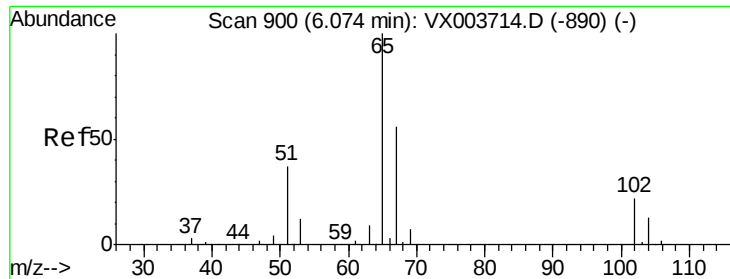
MMDadoda
7/30/2018 3:42:33 PM



#26
Cyclohexane
Concen: 19.873 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	56	Resp	43434
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	84.2	64.9	97.3





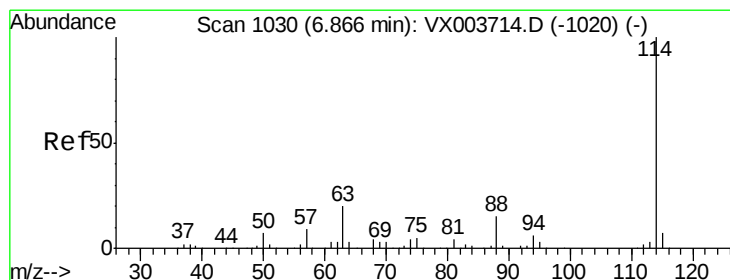
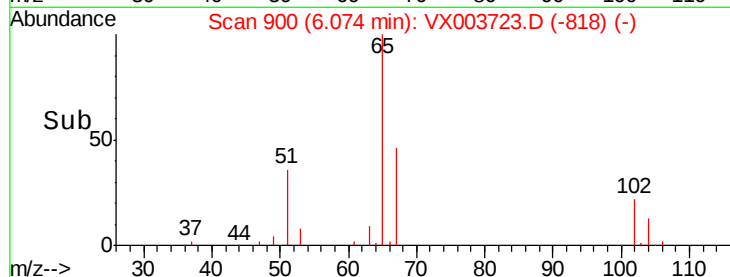
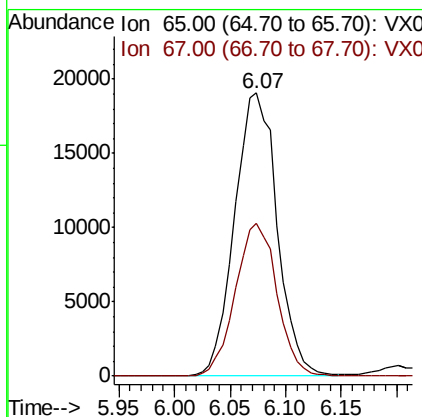
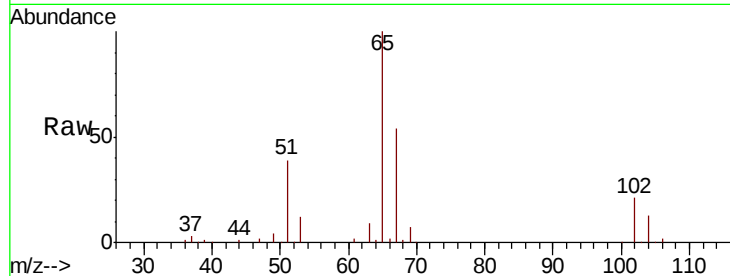
#27
 1,2-Dichloroethane-d4
 Concen: 29.240 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	40.9	61.3

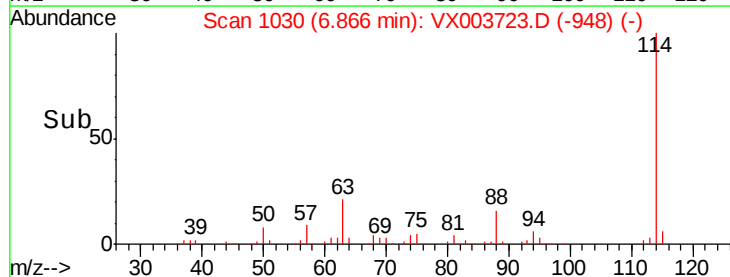
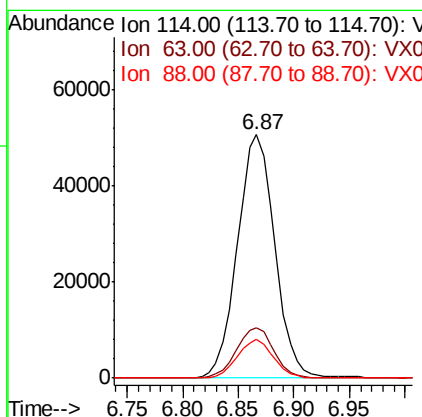
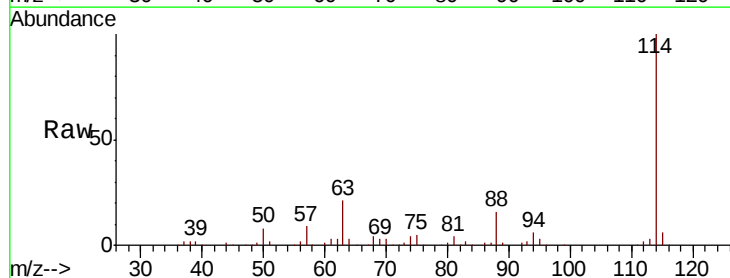
Manual Integrations
 APPROVED

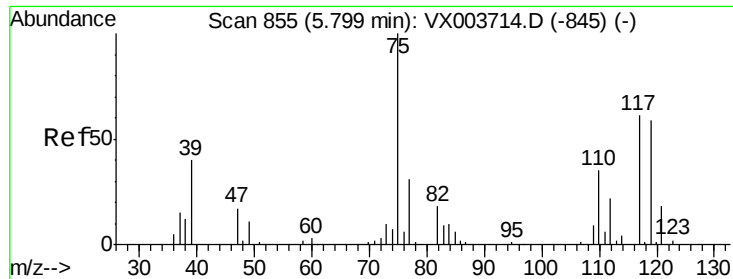
MMDadoda
 7/30/2018 3:42:33 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	17.1	25.7
88	15.5	12.6	19.0





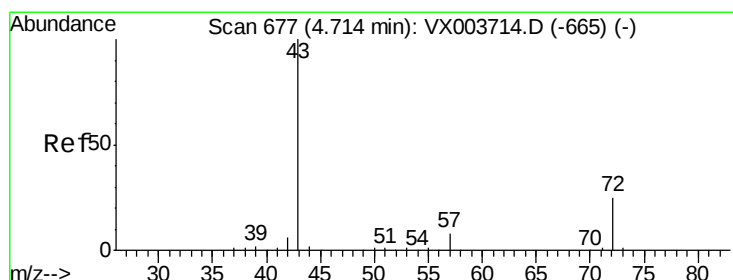
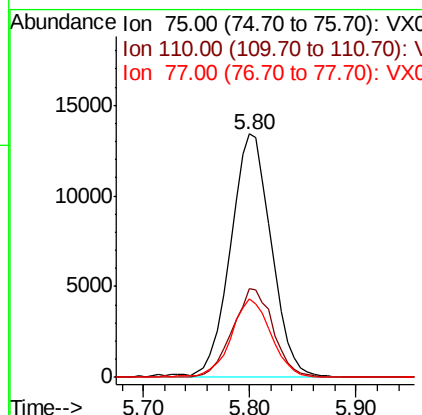
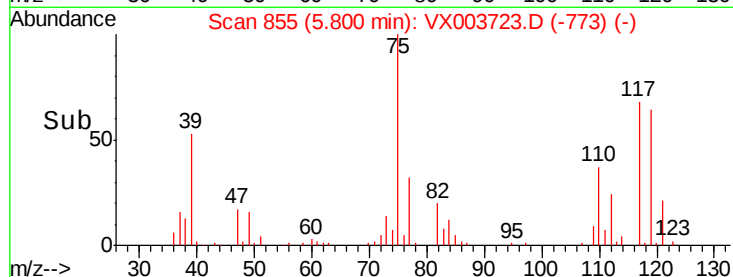
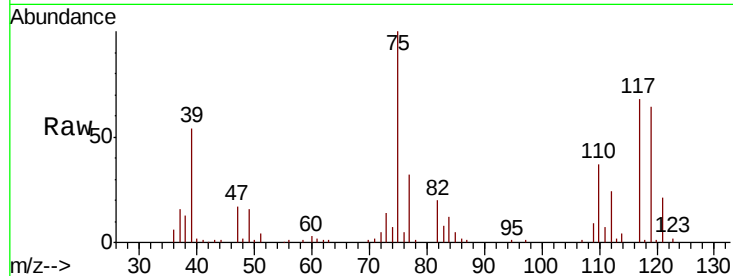
#29
 1,1-Dichloropropene
 Concen: 20.651 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.3	0.0	71.4
77	31.5	0.0	60.6

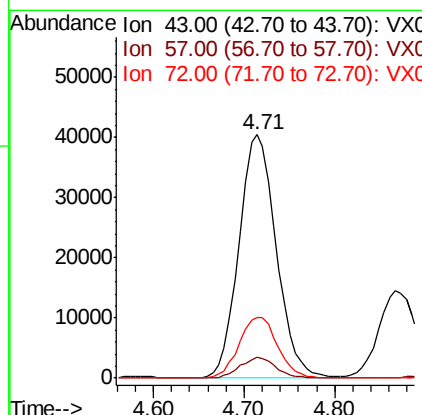
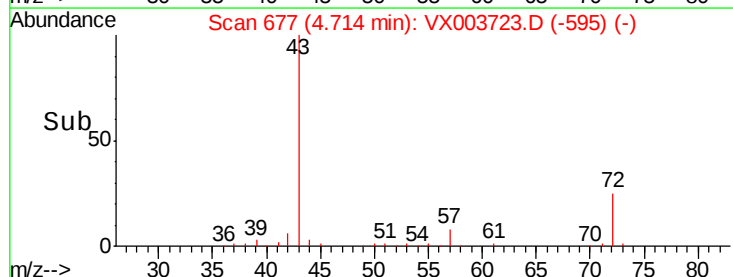
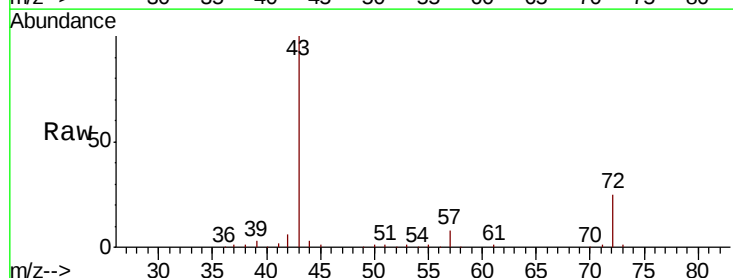
Manual Integrations
 APPROVED

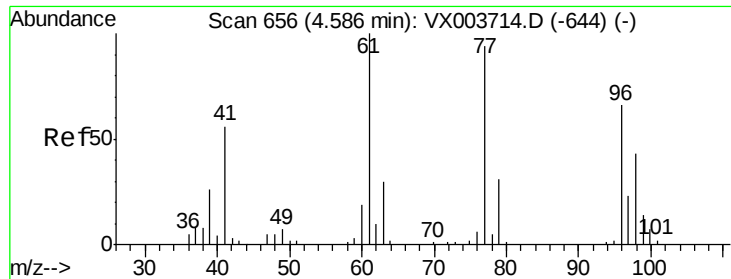
MMDadoda
 7/30/2018 3:42:33 PM



#30
 2-Butanone
 Concen: 103.857 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.1	9.1
72	25.7	18.1	27.1





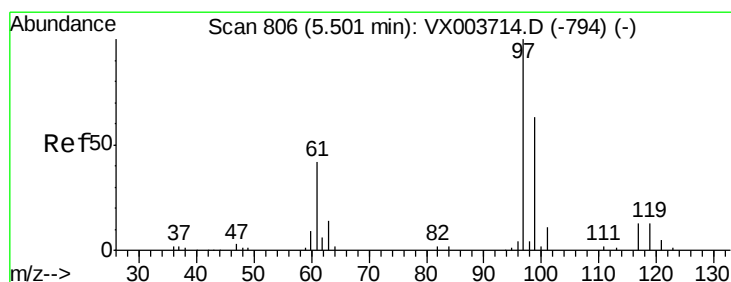
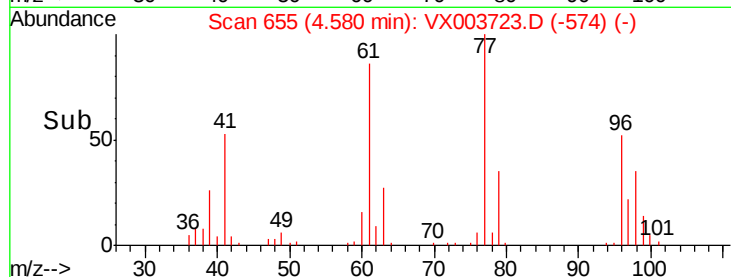
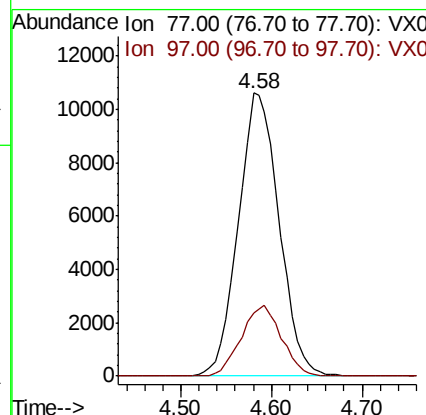
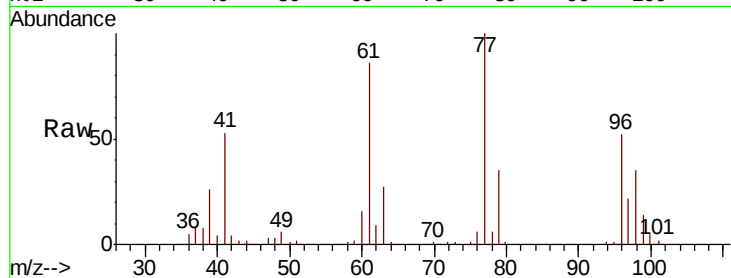
#31
 2,2-Dichloropropane
 Concen: 19.553 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 33001
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1

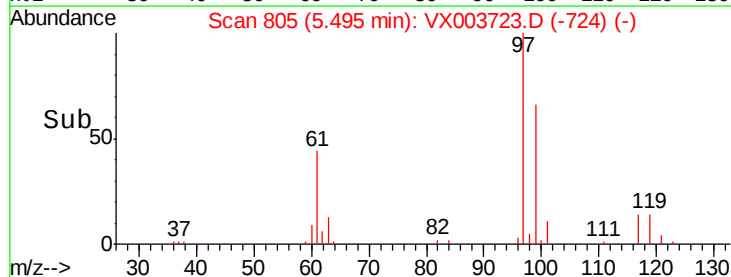
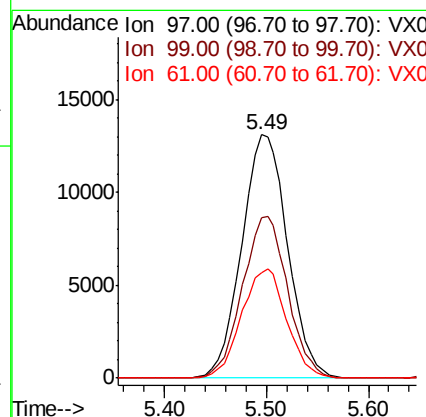
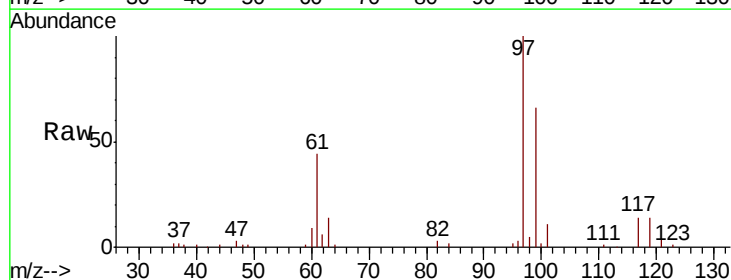
Manual Integrations
 APPROVED

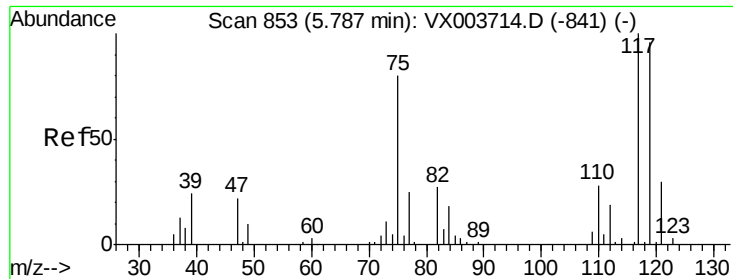
MMDadoda
 7/30/2018 3:42:33 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.519 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 97 Resp: 40906
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.7 77.5
 61 44.2 36.4 54.6





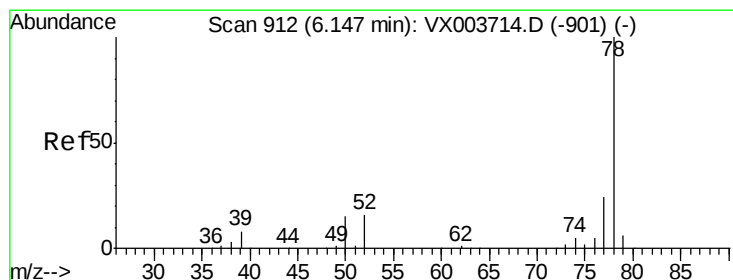
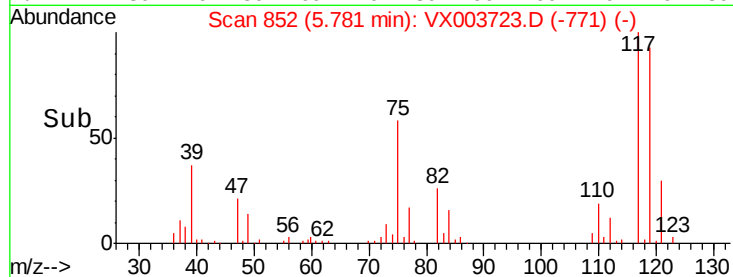
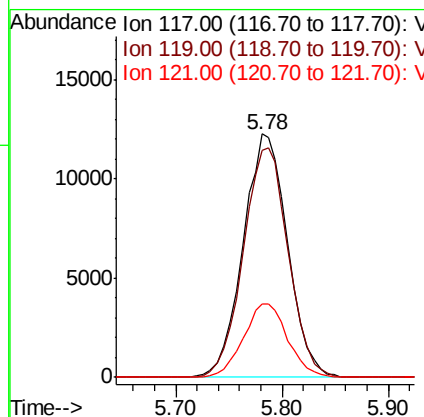
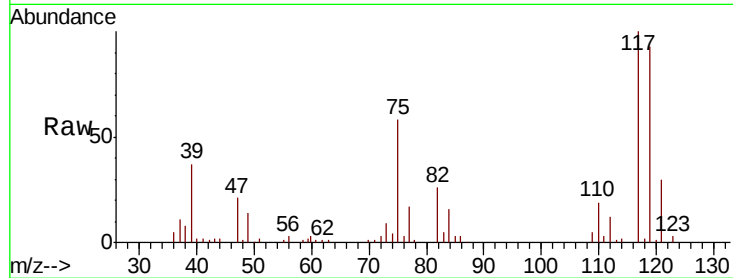
#33
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.3	109.9
121	30.1	23.6	35.4

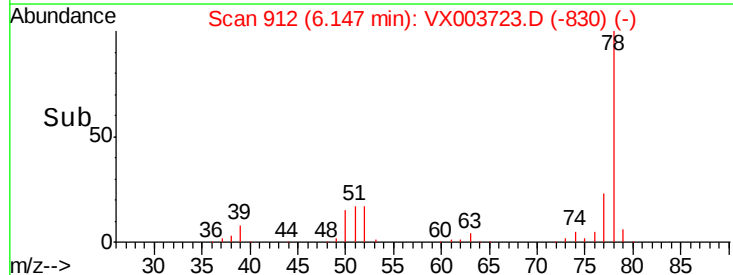
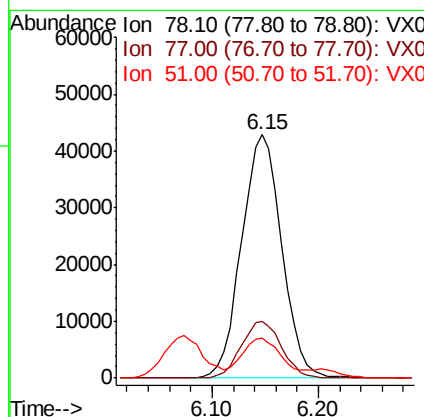
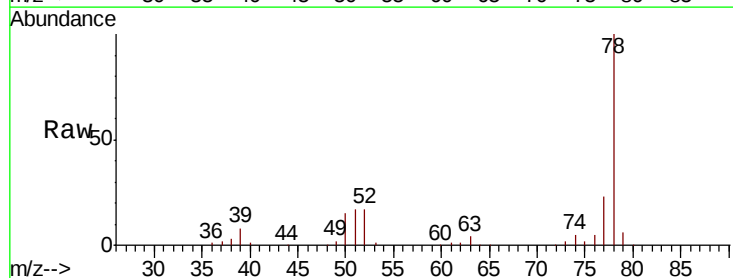
Manual Integrations
APPROVED

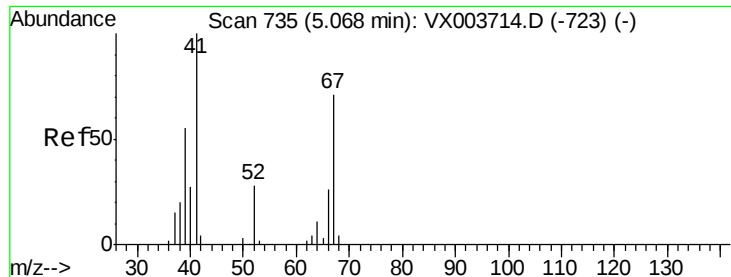
MMDadoda
7/30/2018 3:42:33 PM



#34
Benzene
Concen: 21.214 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0
51	14.7	13.8	20.6





#35

Methacrylonitrile

Concen: 21.116 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

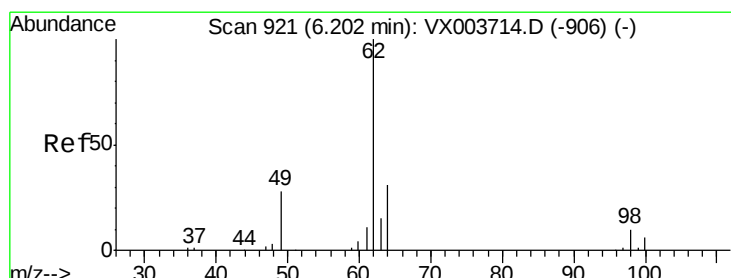
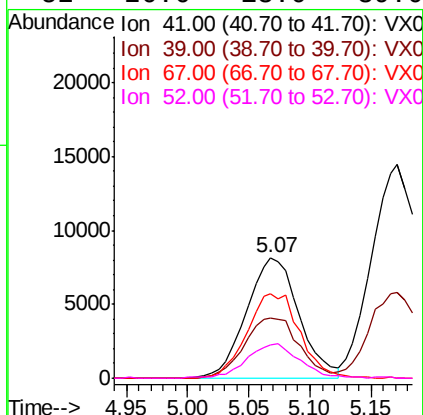
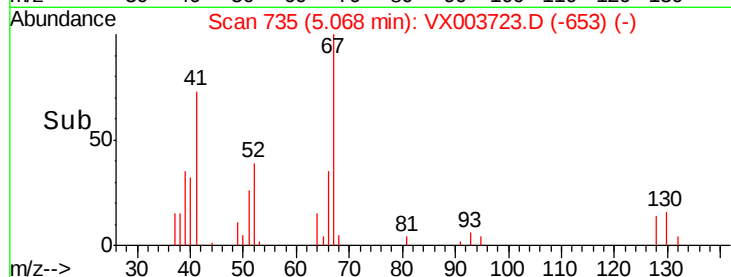
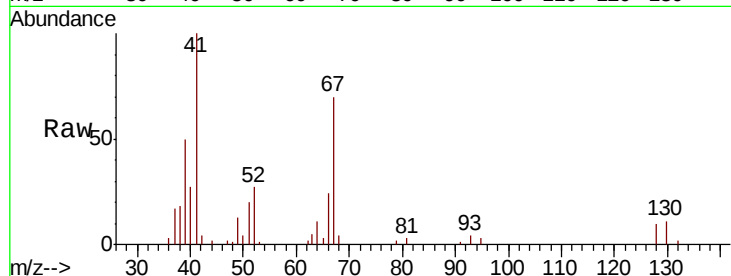
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	24417
Ion Ratio	Lower	Upper	
41	100		
39	50.3	28.8	86.5
67	69.8	30.4	91.2
52	26.6	13.0	39.0

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#36

1,2-Dichloroethane

Concen: 20.365 ug/l

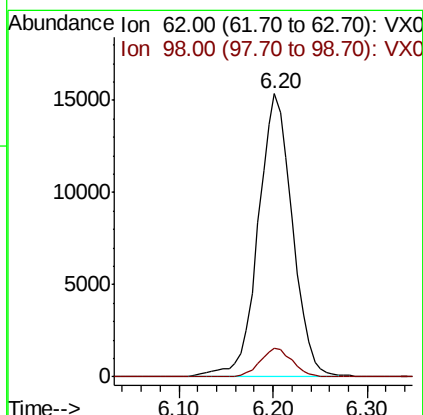
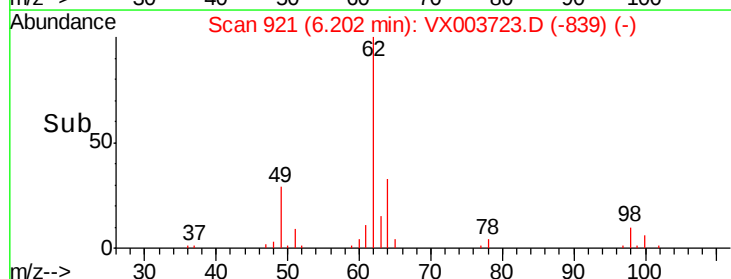
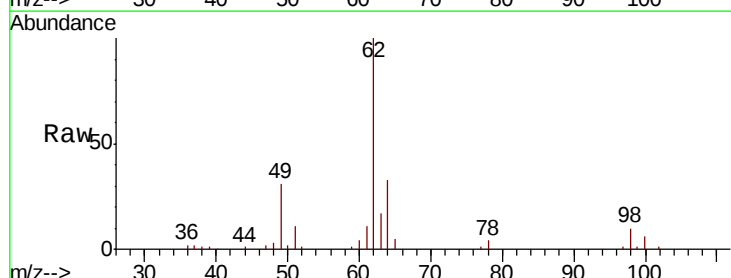
RT: 6.20 min Scan# 921

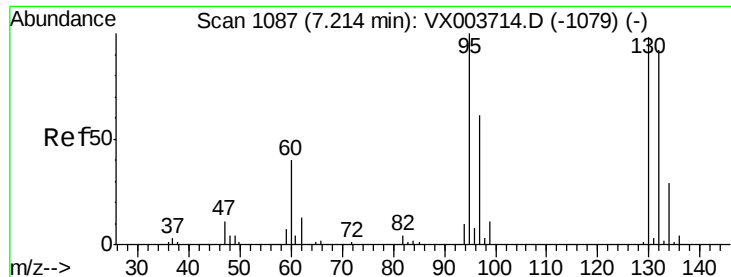
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	62	Resp:	39187
Ion Ratio	Lower	Upper	
62	100		
98	9.4	6.5	9.7





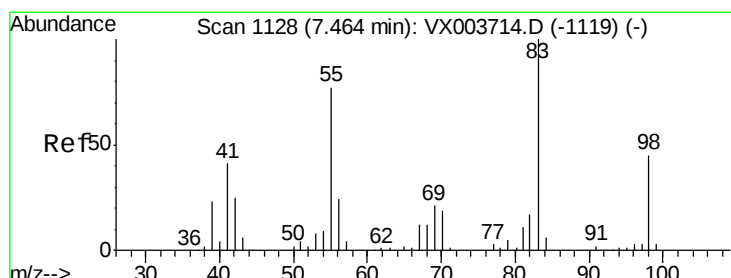
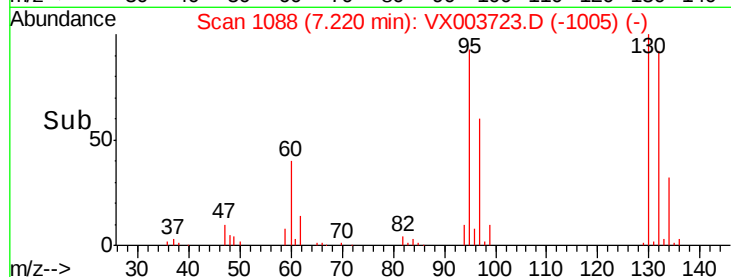
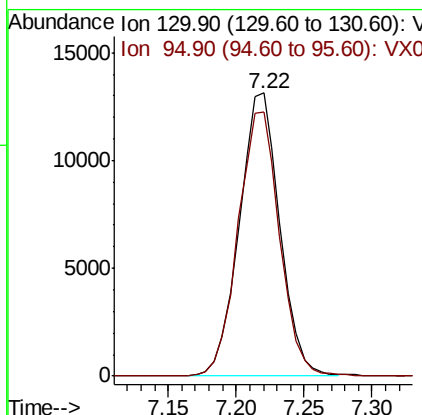
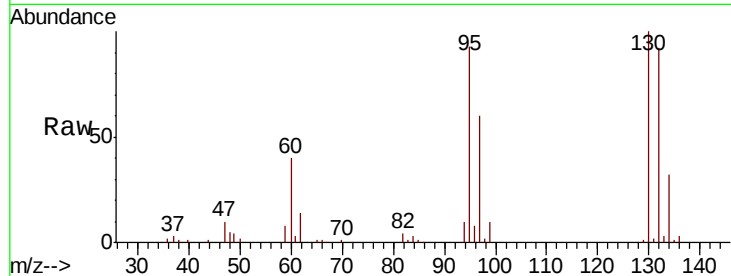
#37
 Trichloroethene
 Concen: 19.599 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 27347
 Ion Ratio Lower Upper
 130 100
 95 93.4 81.5 122.3

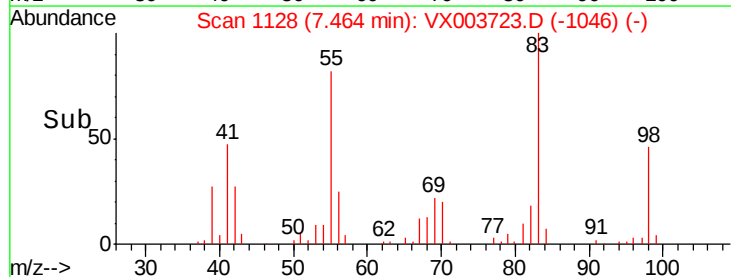
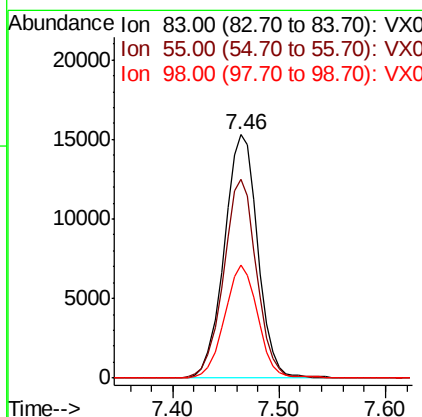
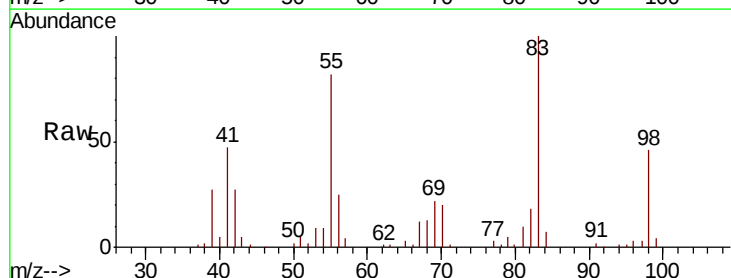
Manual Integrations
 APPROVED

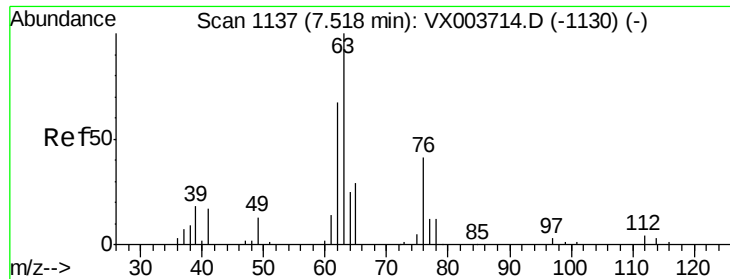
MMDadoda
 7/30/2018 3:42:33 PM



#38
 Methylcyclohexane
 Concen: 16.990 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 83 Resp: 33640
 Ion Ratio Lower Upper
 83 100
 55 80.1 40.6 121.8
 98 45.9 23.5 70.5





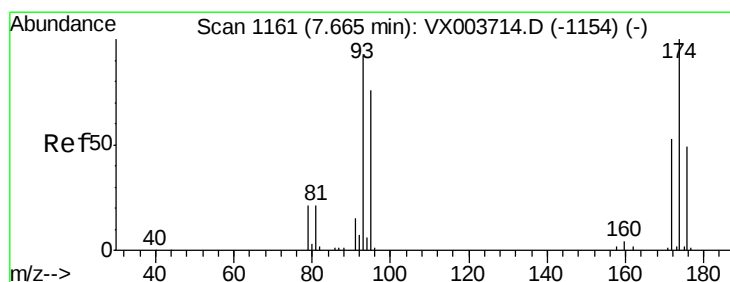
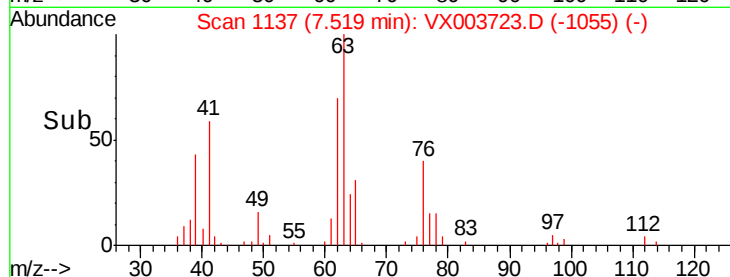
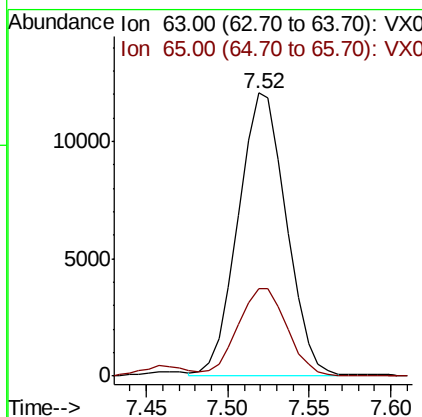
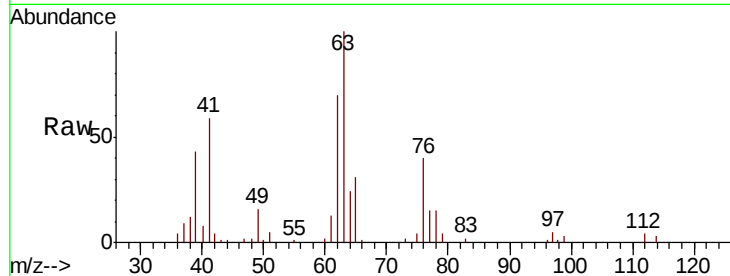
#39
 1,2-Dichloropropane
 Concen: 17.513 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 24776
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.3 34.9

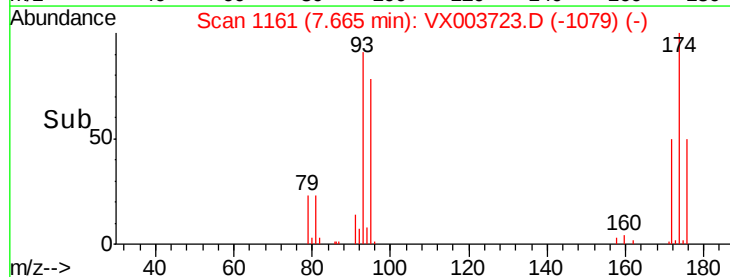
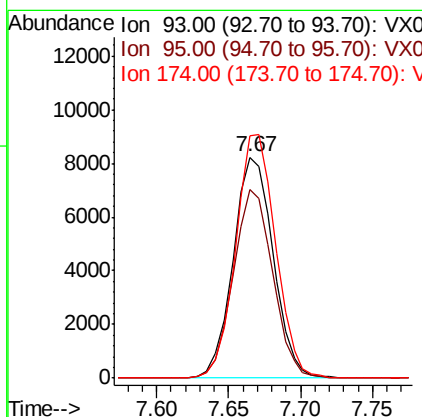
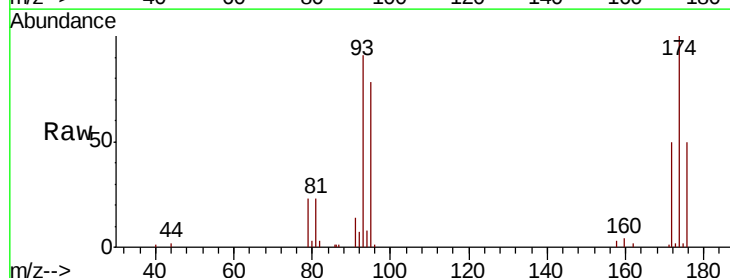
Manual Integrations
 APPROVED

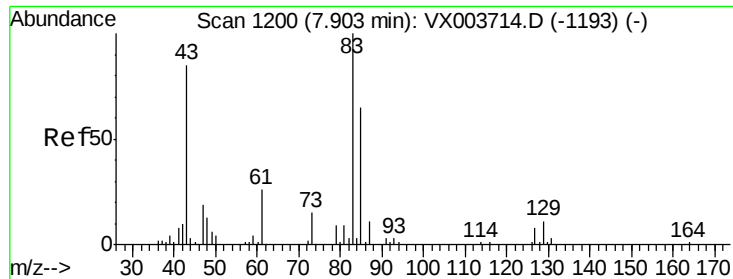
MMDadoda
 7/30/2018 3:42:33 PM



#40
 Dibromomethane
 Concen: 17.428 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion: 93 Resp: 15956
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 162.6
 174 109.5 0.0 229.4





#41

Bromodichloromethane

Concen: 17.069 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

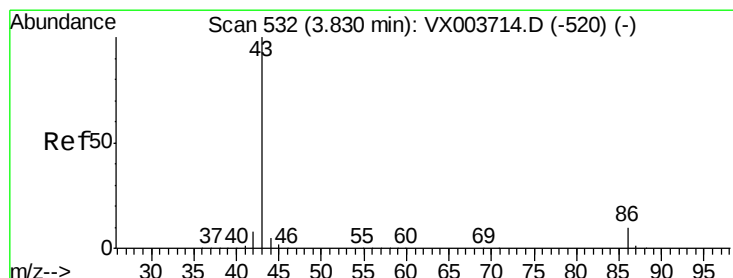
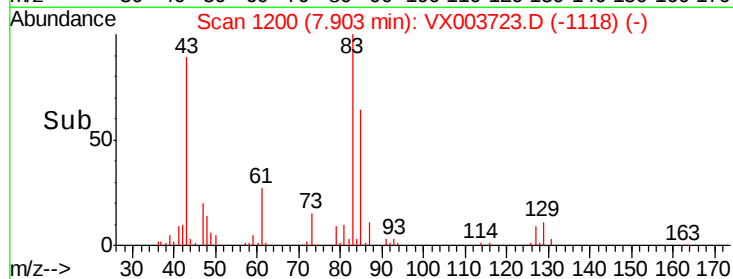
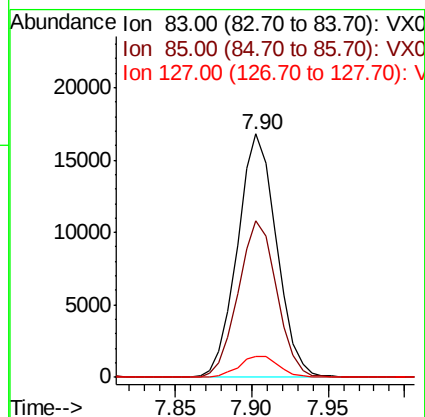
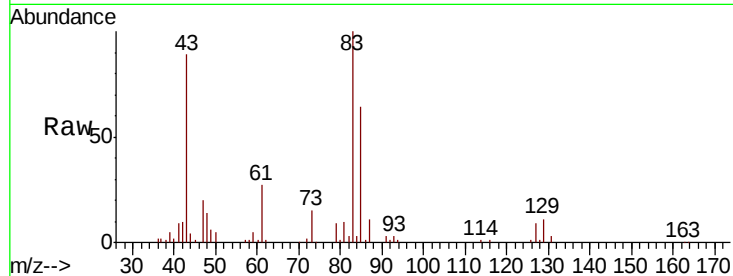
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	29856
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.8	74.8
127	8.7	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#42

Vinyl Acetate

Concen: 89.663 ug/l

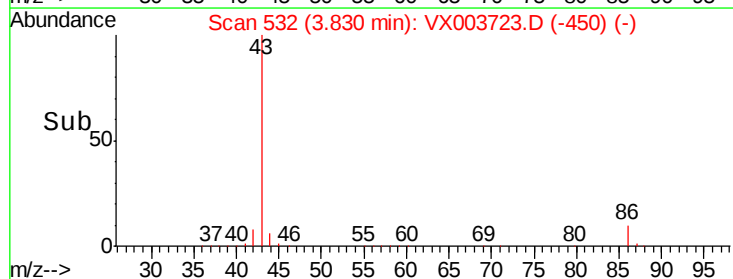
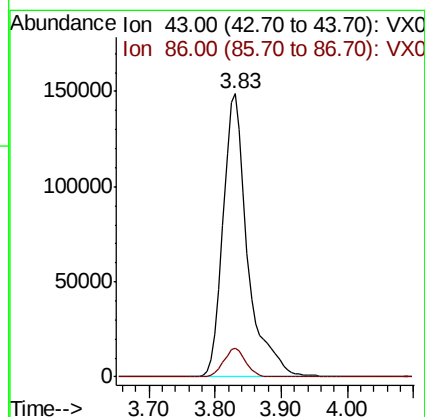
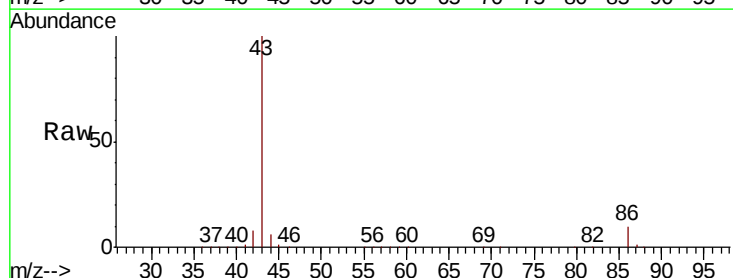
RT: 3.83 min Scan# 532

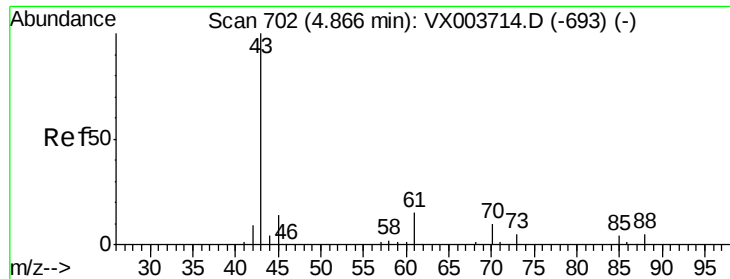
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	43	Resp:	383367
Ion Ratio	Lower	Upper	
43	100		
86	9.1	6.7	10.1





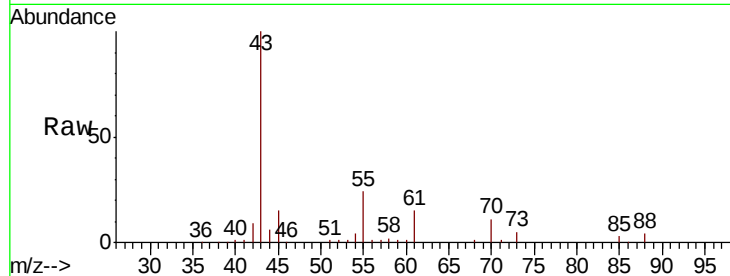
#43
Ethyl Acetate
Concen: 20.978 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

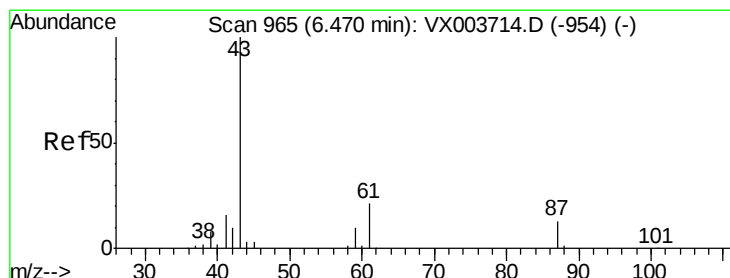
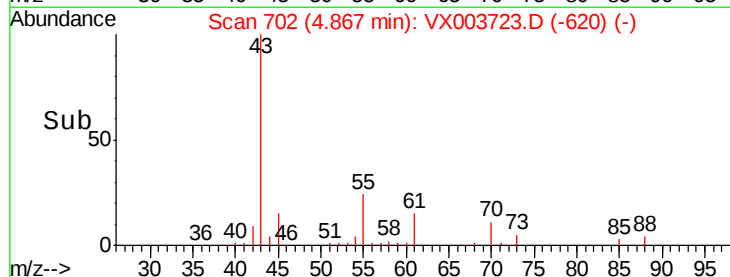
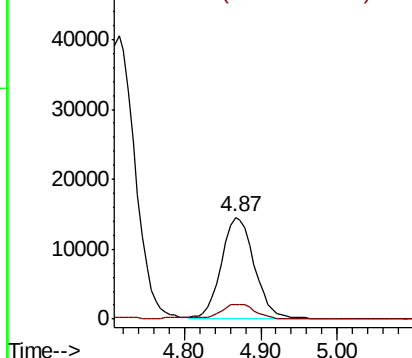
Tot Ion: 43 Resp: 43603
Ion Ratio Lower Upper
43 100
45 15.6 11.0 16.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM

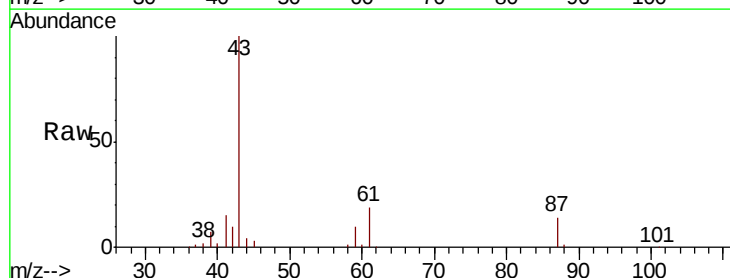


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 45.00 (44.70 to 45.70): VX0

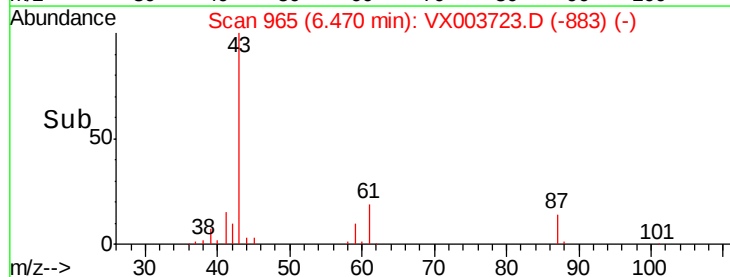
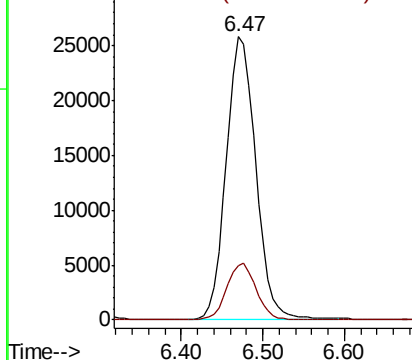


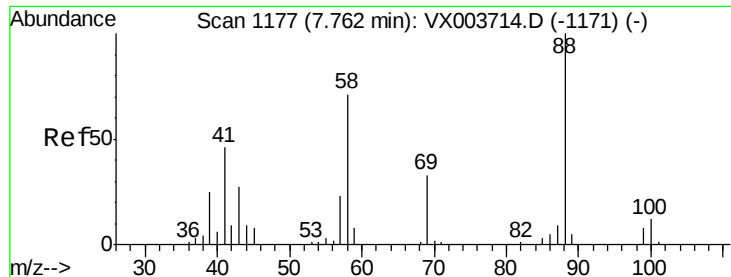
#44
Isopropyl Acetate
Concen: 20.375 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 43 Resp: 64955
Ion Ratio Lower Upper
43 100
61 19.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





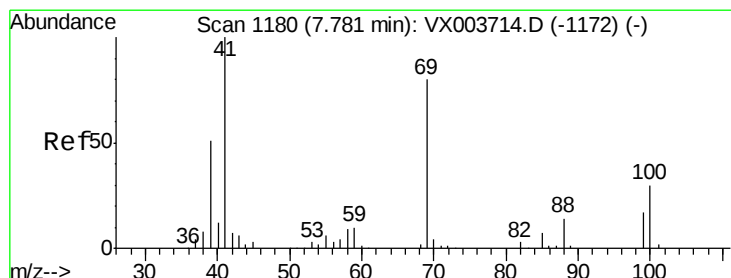
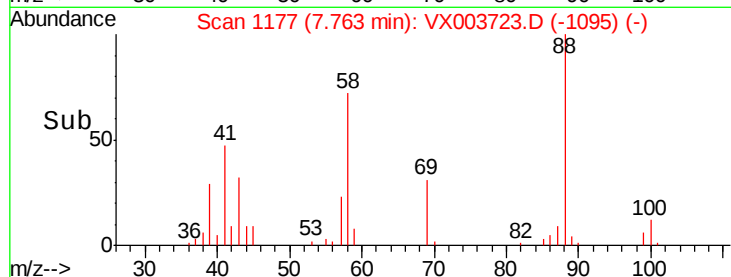
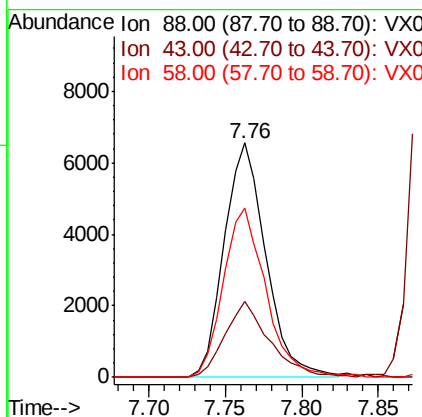
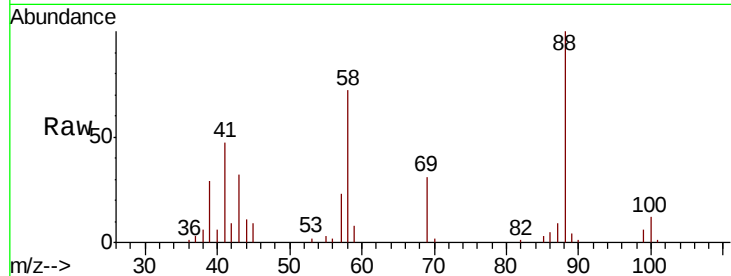
#45
 1,4-Dioxane
 Concen: 349.447 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	43.2	64.8#
58	73.7	60.2	90.2

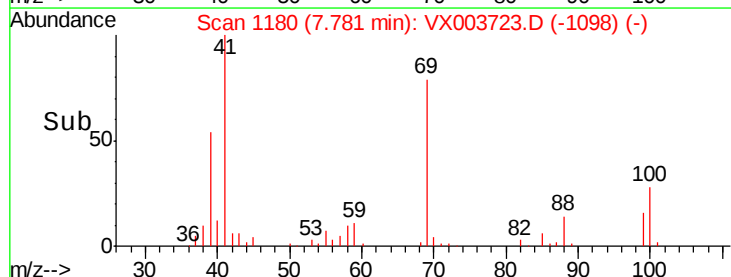
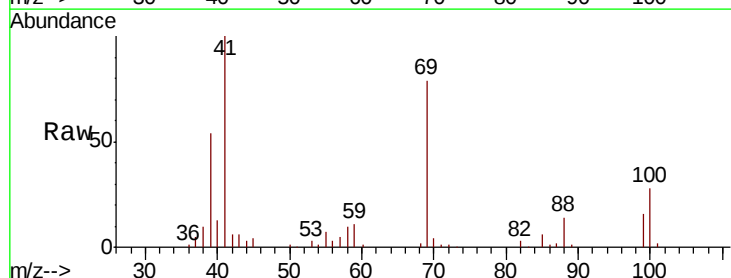
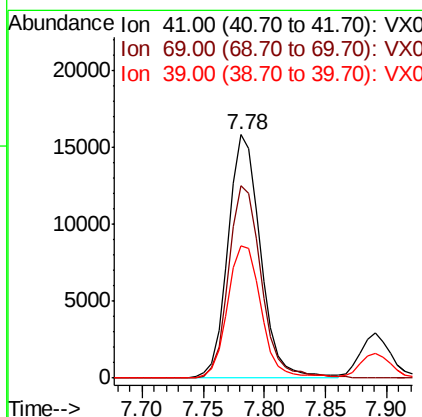
Manual Integrations
 APPROVED

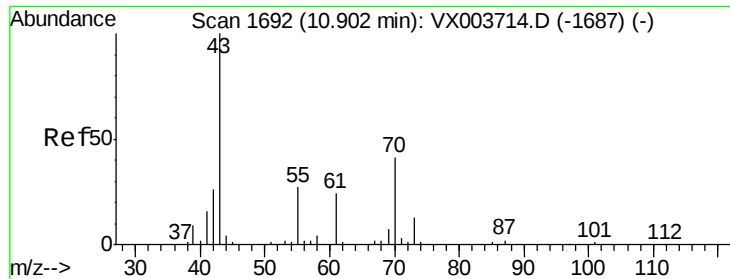
MMDadoda
 7/30/2018 3:42:33 PM



#46
 Methyl methacrylate
 Concen: 17.745 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.0	37.0	110.9
39	54.3	29.6	88.9





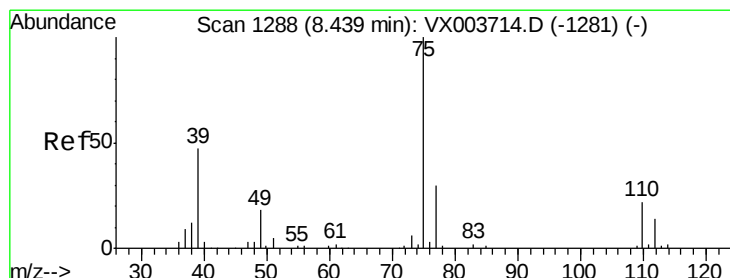
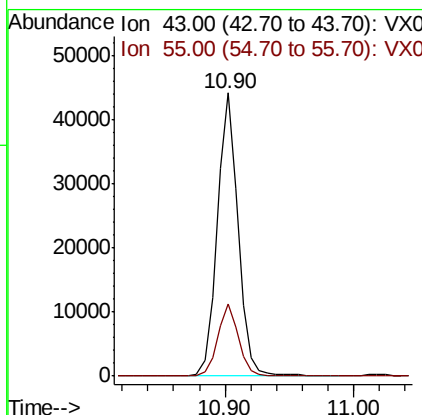
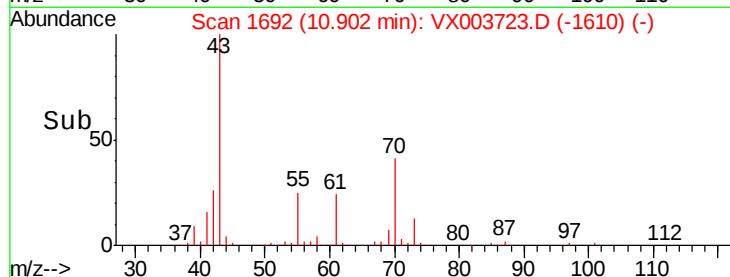
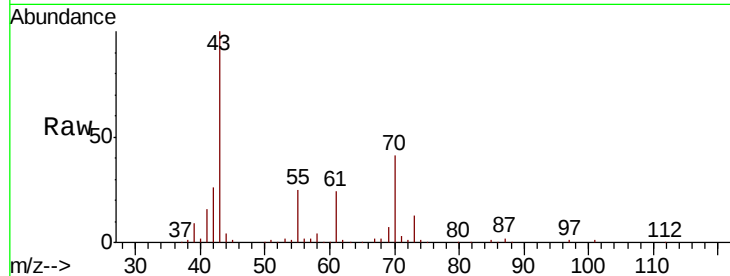
#47
n-amvl Acetate
Concen: 16.730 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 50354
Ion Ratio Lower Upper
43 100
55 25.4 0.1 0.1#

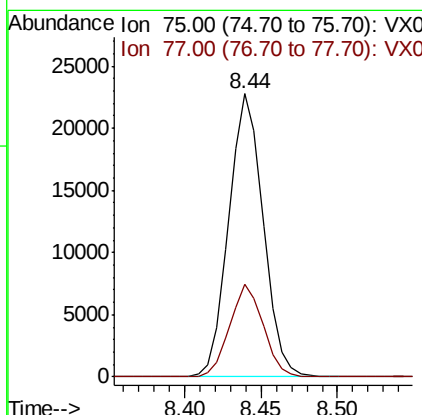
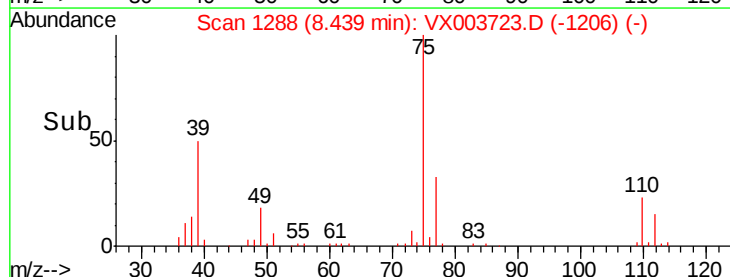
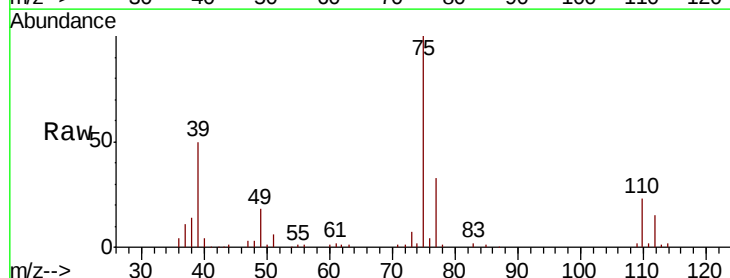
Manual Integrations
APPROVED

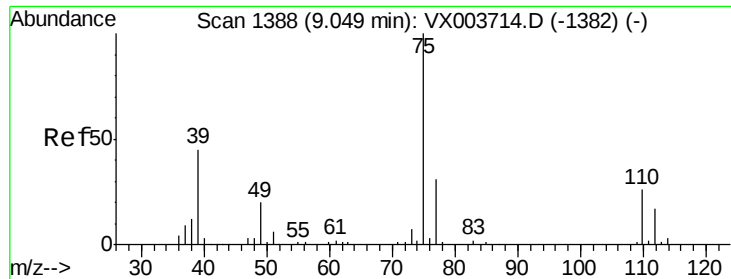
MMDadoda
7/30/2018 3:42:33 PM



#48
t-1,3-Dichloropropene
Concen: 16.777 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 75 Resp: 35609
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4





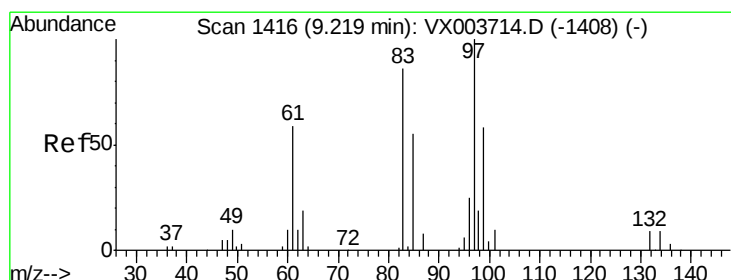
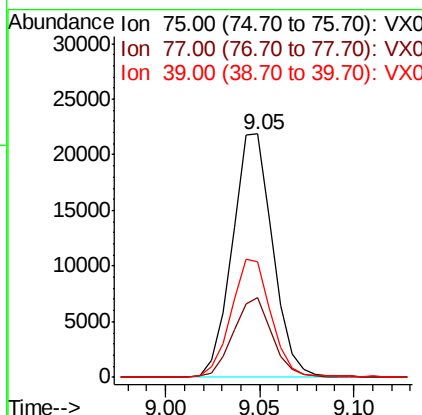
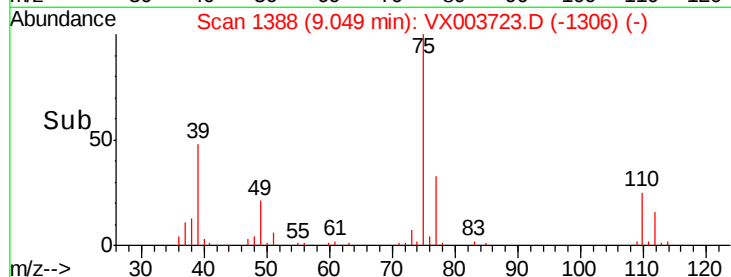
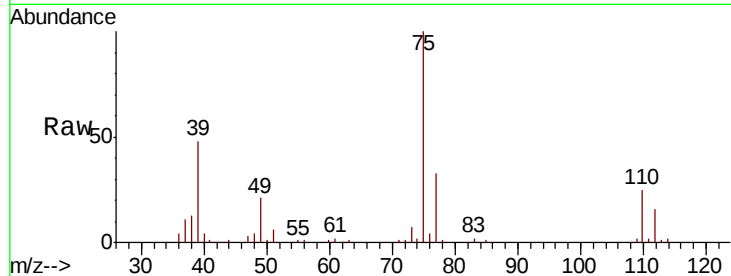
#49
 cis-1,3-Dichloropropene
 Concen: 16.338 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2
39	47.4	42.3	63.5

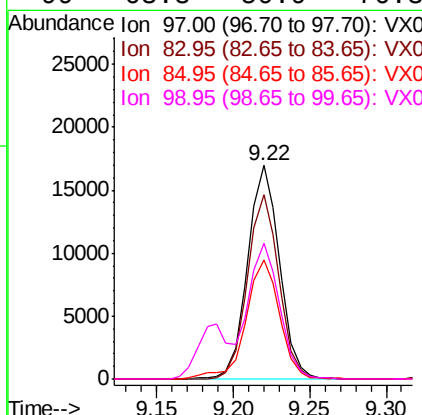
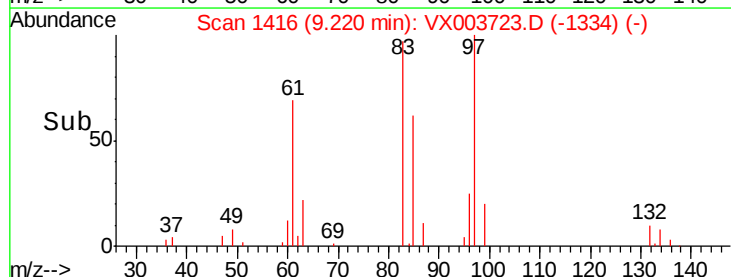
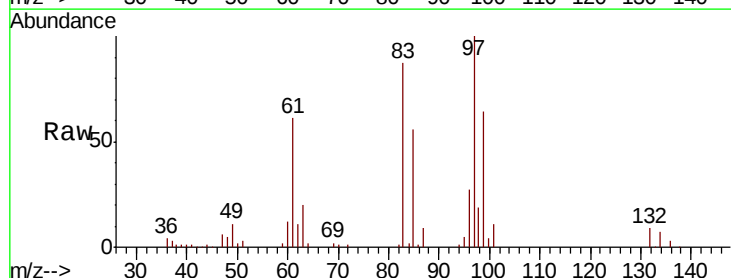
Manual Integrations
 APPROVED

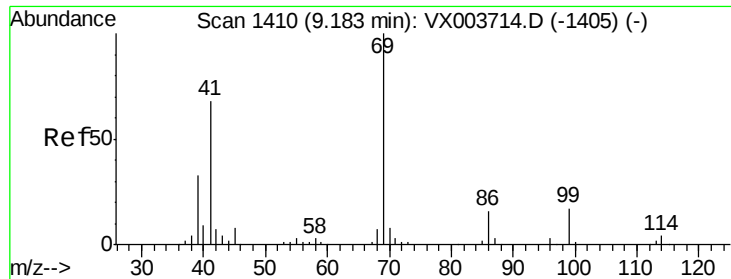
MMDadoda
 7/30/2018 3:42:33 PM



#50
 1,1,2-Trichloroethane
 Concen: 16.853 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.8	106.2
85	55.5	43.5	65.3
99	63.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 16.349 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

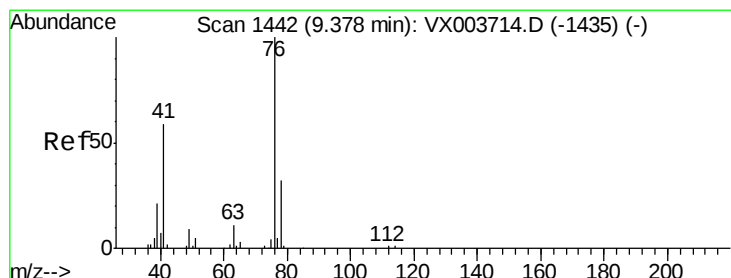
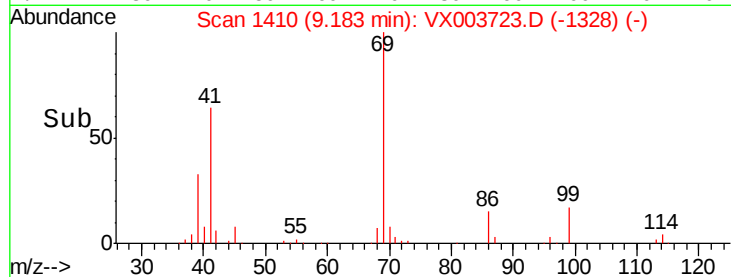
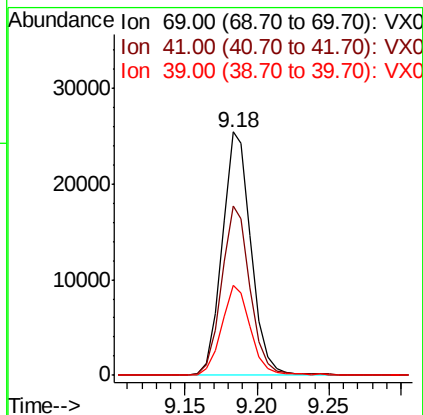
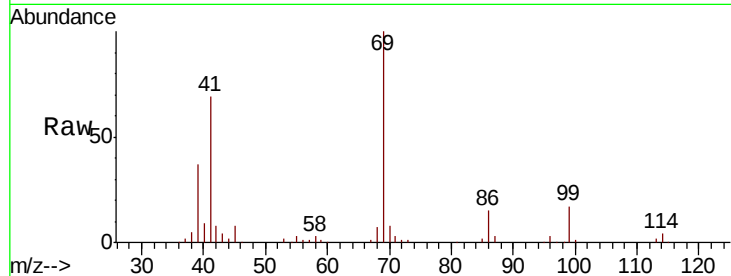
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	35777
Ion	Ratio	Lower	Upper
69	100		
41	69.2	39.1	117.3
39	36.5	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#52

1,3-Dichloropropane

Concen: 17.204 ug/l

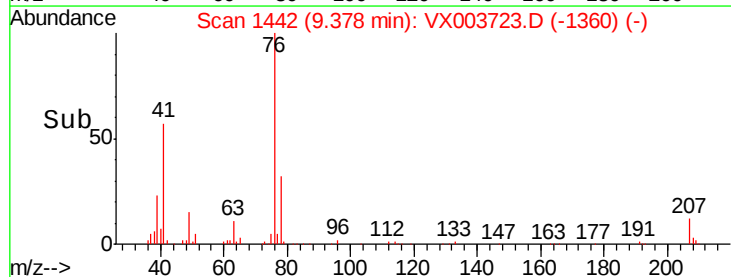
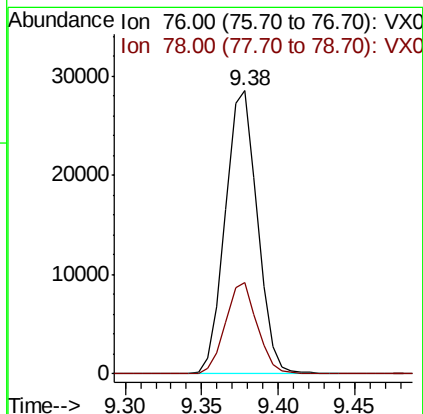
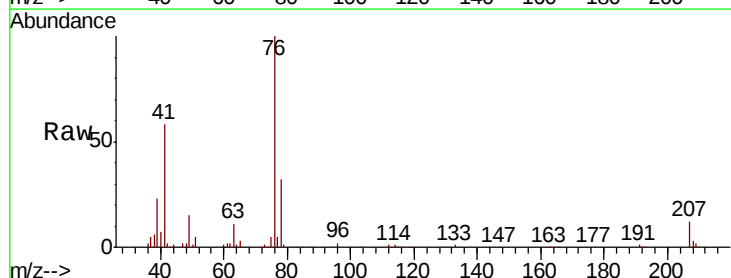
RT: 9.38 min Scan# 1442

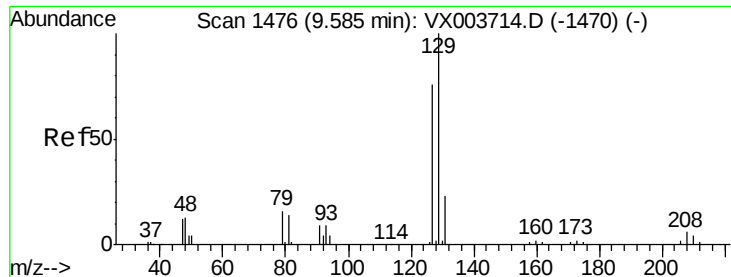
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	76	Resp:	41609
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.4





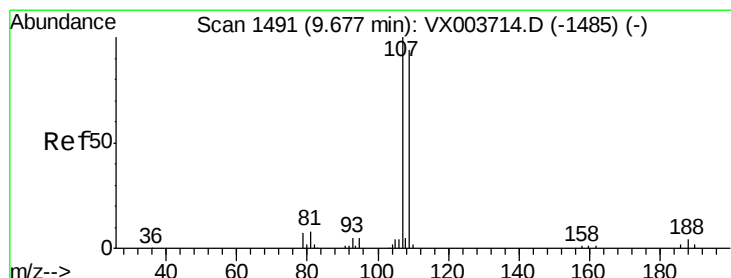
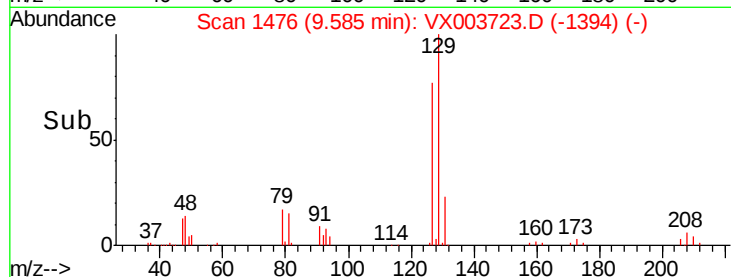
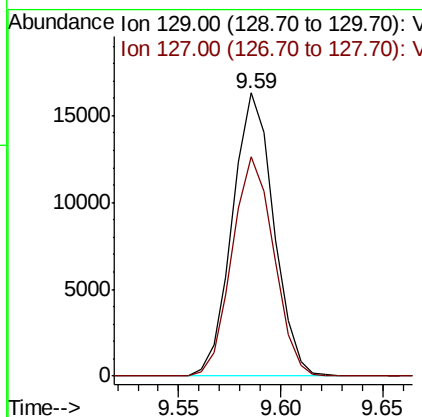
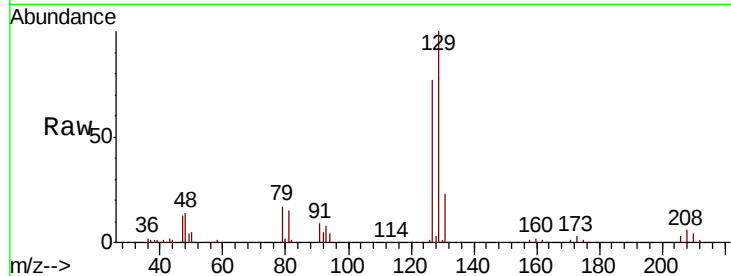
#53
 Dibromochloromethane
 Concen: 16.060 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.5	115.3

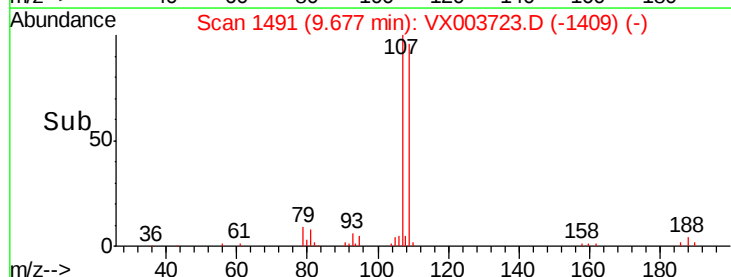
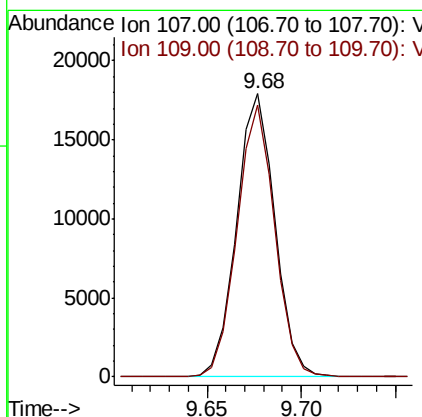
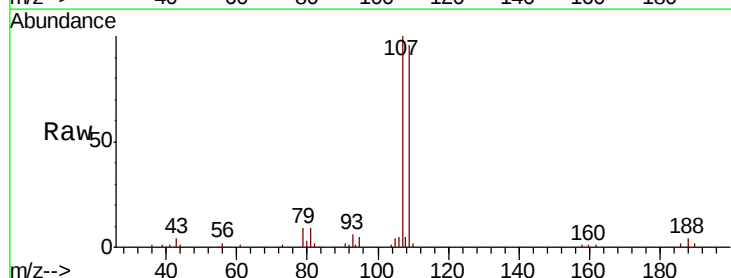
Manual Integrations
 APPROVED

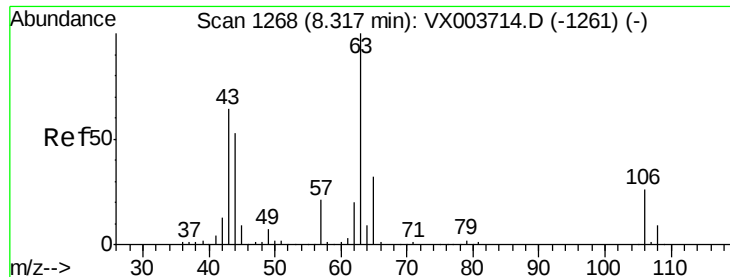
MMDadoda
 7/30/2018 3:42:33 PM



#54
 1,2-Dibromoethane
 Concen: 16.593 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.5	113.3





#55

2-Chloroethyl vinyl ether

Concen: 84.822 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

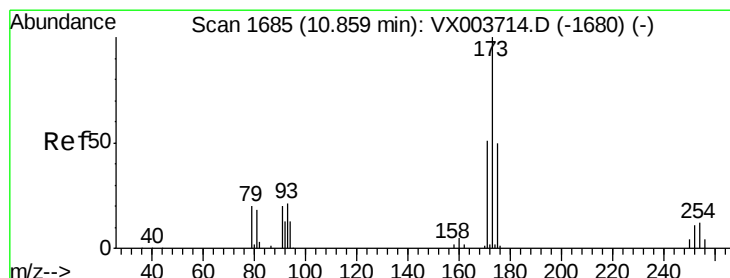
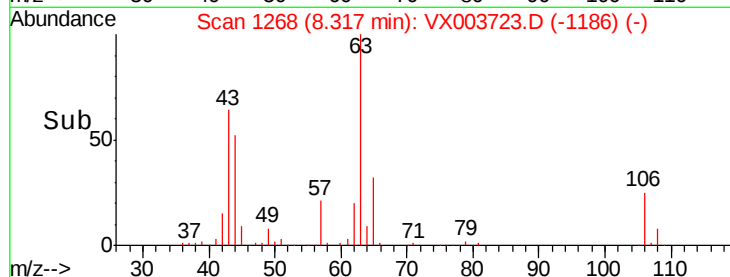
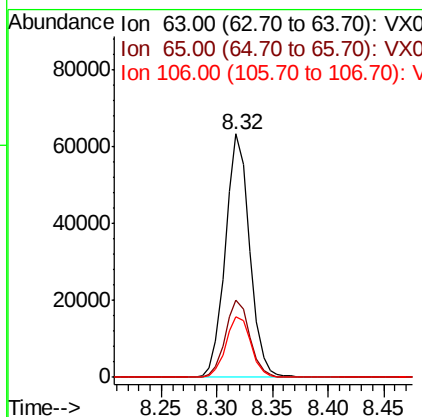
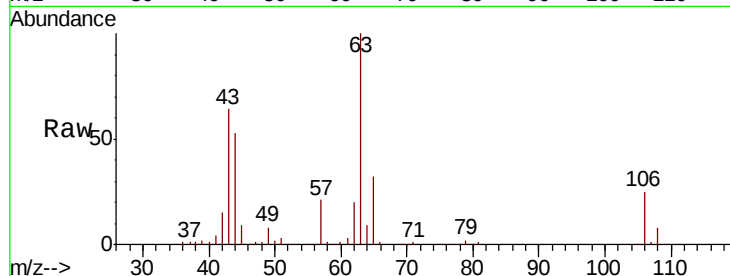
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	95739
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.6	38.4
106	25.8	21.6	32.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#56

Bromoform

Concen: 15.472 ug/l

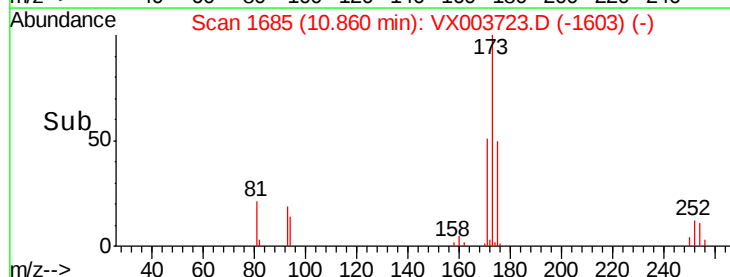
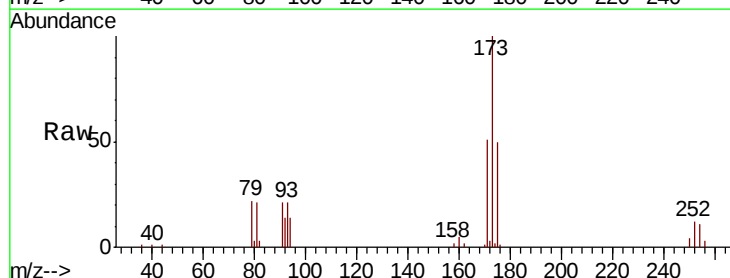
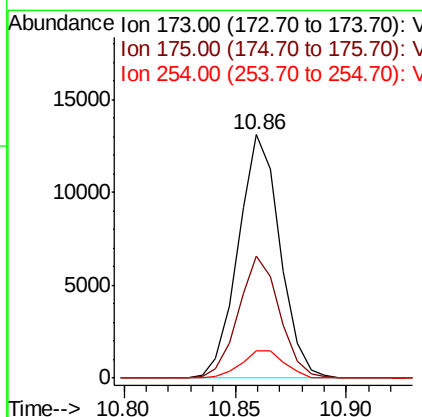
RT: 10.86 min Scan# 1685

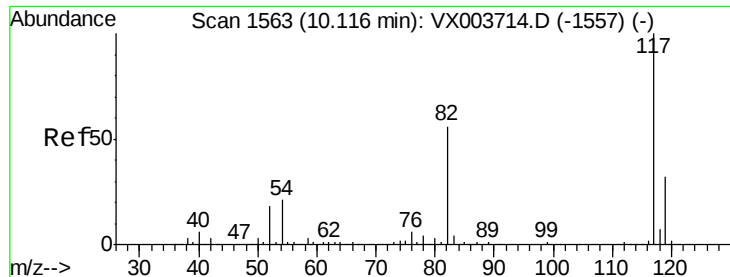
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	173	Resp:	17141
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	11.6	9.6	14.4





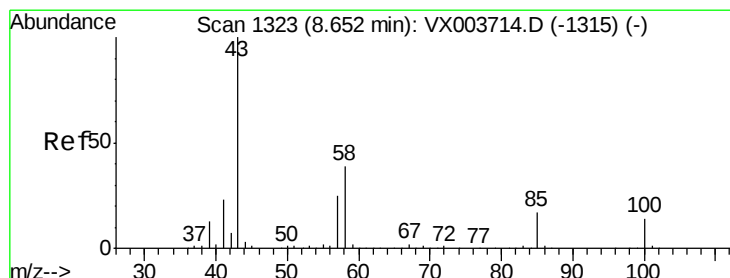
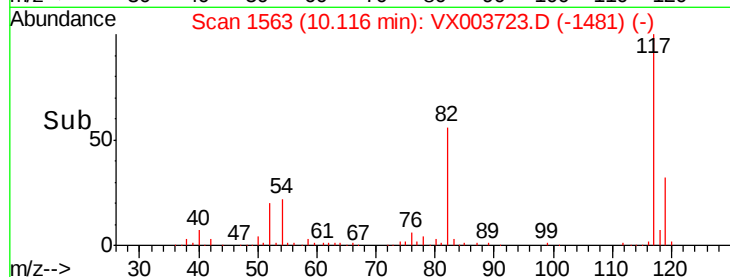
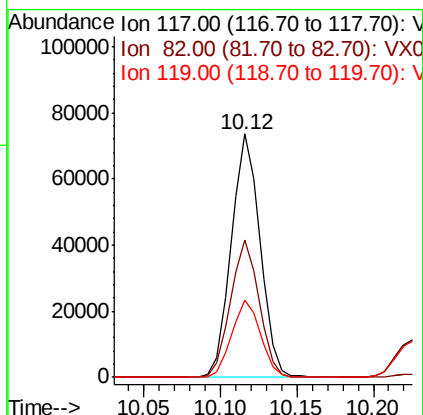
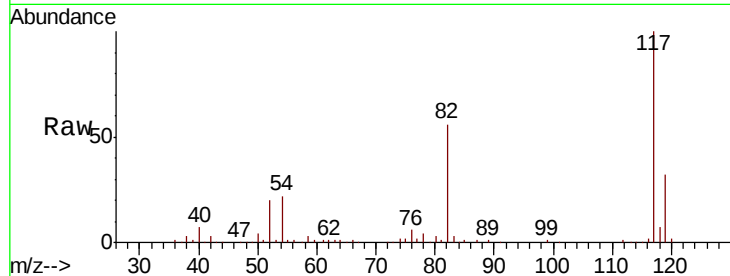
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	31.7	25.7	38.5

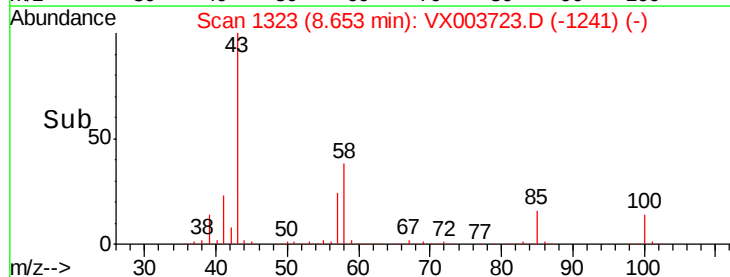
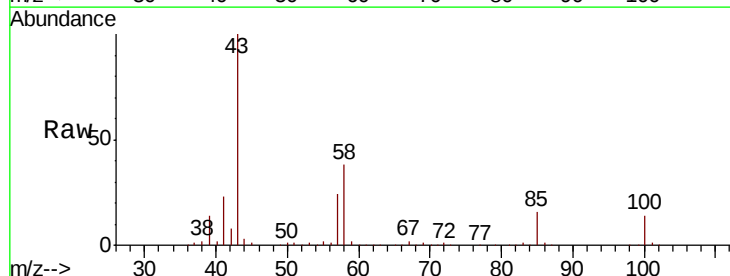
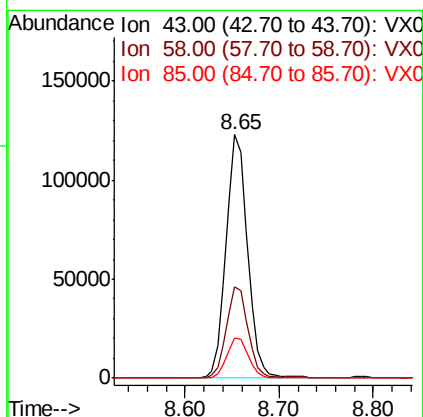
Manual Integrations
APPROVED

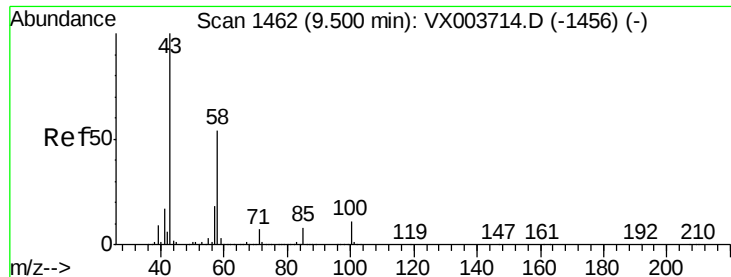
MMDadoda
7/30/2018 3:42:33 PM



#58
4-Methyl-2-Pentanone
Concen: 107.941 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	28.2	42.4
85	16.6	12.4	18.6





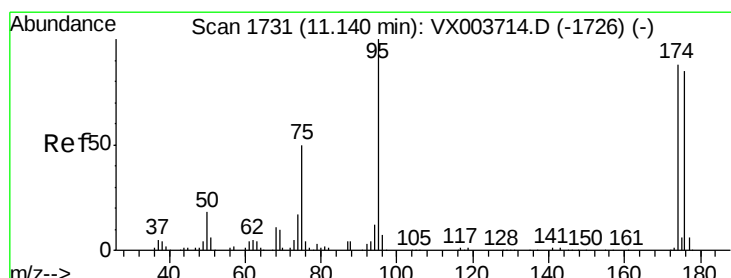
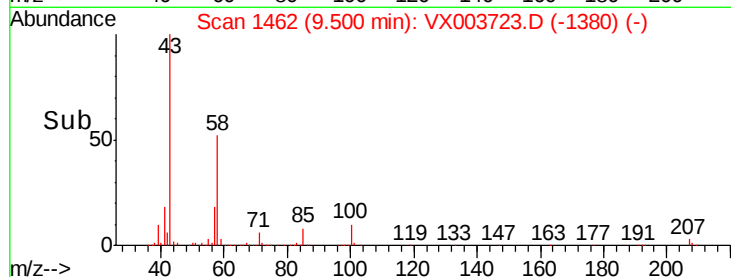
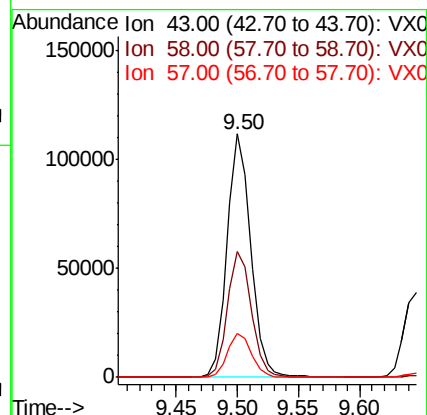
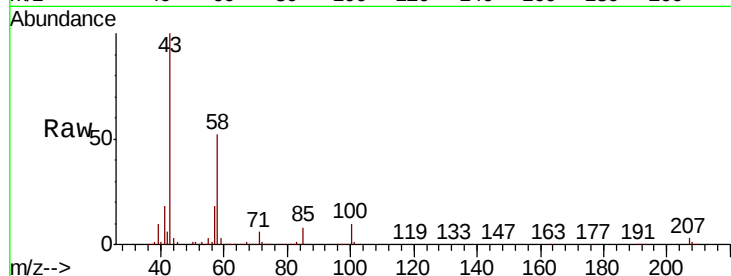
#59
2-Hexanone
Concen: 104.220 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	39.6	59.4
57	18.3	14.1	21.1

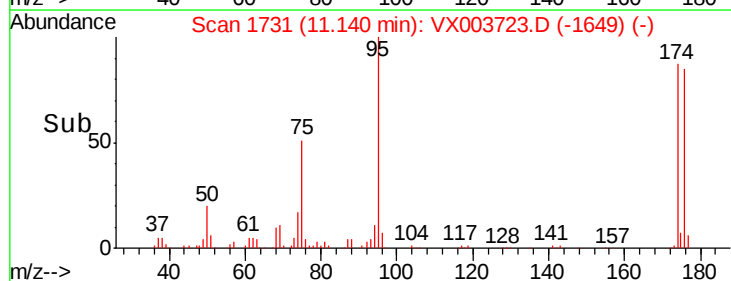
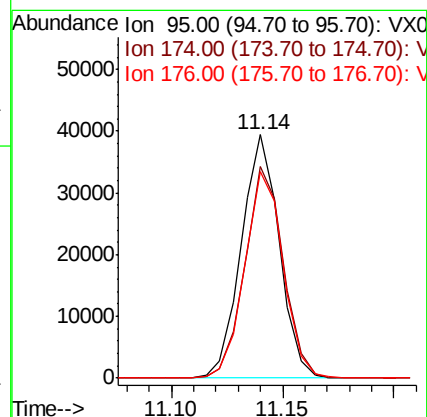
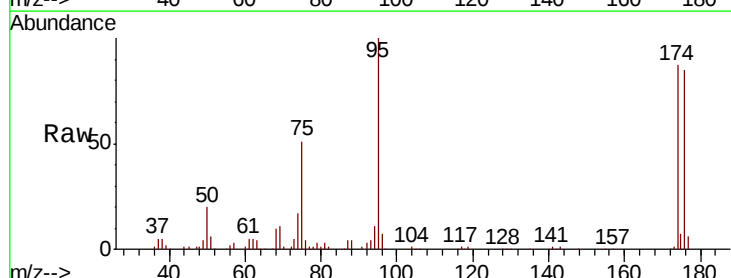
Manual Integrations
APPROVED

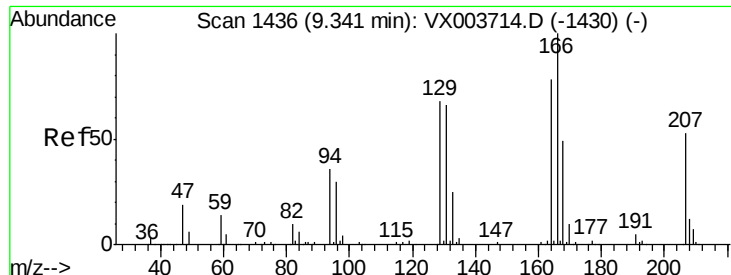
MMDadoda
7/30/2018 3:42:33 PM



#60
4-Bromofluorobenzene
Concen: 30.265 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	71.8	107.6
176	86.0	70.1	105.1





#61

Tetrachloroethene

Concen: 19.804 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 22169

Ion Ratio Lower Upper

164 100

166 123.6 102.4 153.6

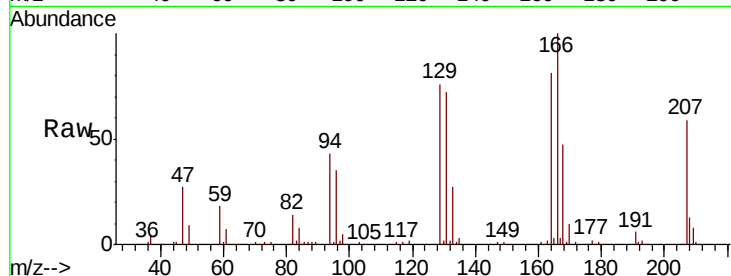
129 94.1 70.1 105.1

131 89.1 69.1 103.7

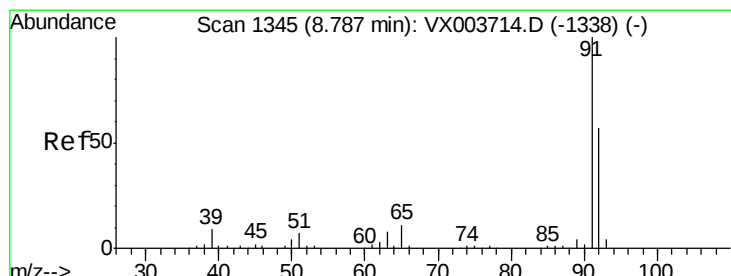
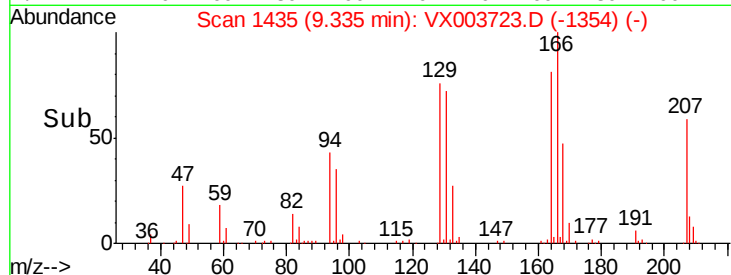
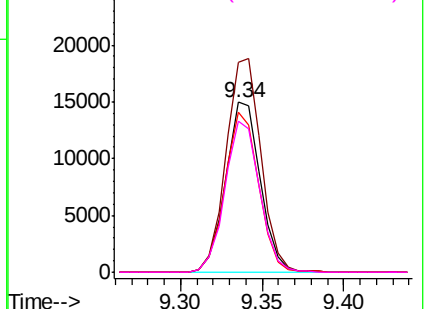
Manual Integrations
APPROVED

MMDadoda

7/30/2018 3:42:33 PM



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.728 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003723.D

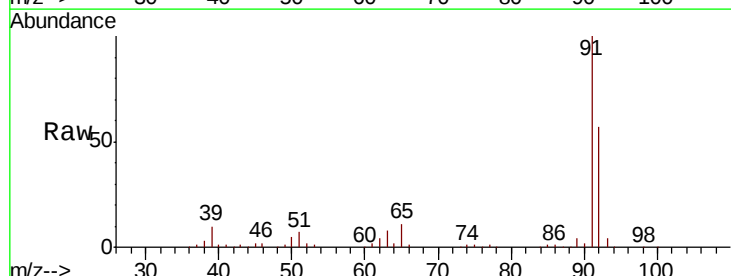
Acq: 27 Jul 2018 20:33

Tgt Ion: 91 Resp: 103486

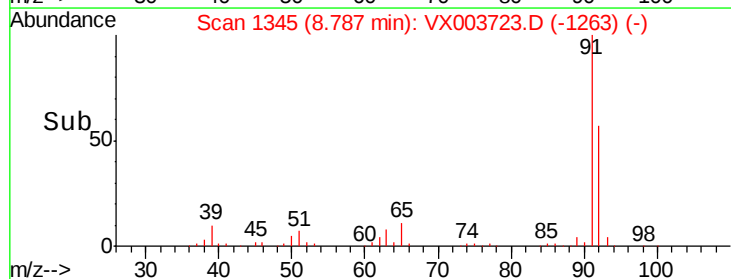
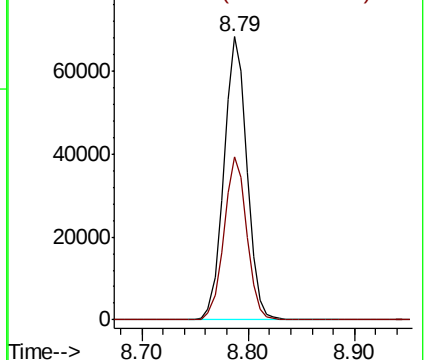
Ion Ratio Lower Upper

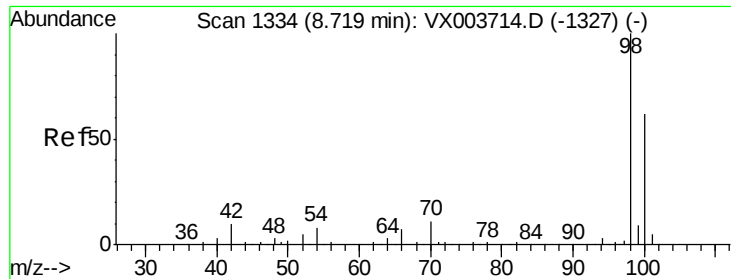
91 100

92 57.0 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





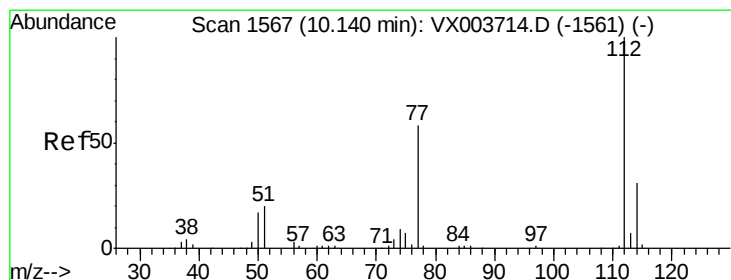
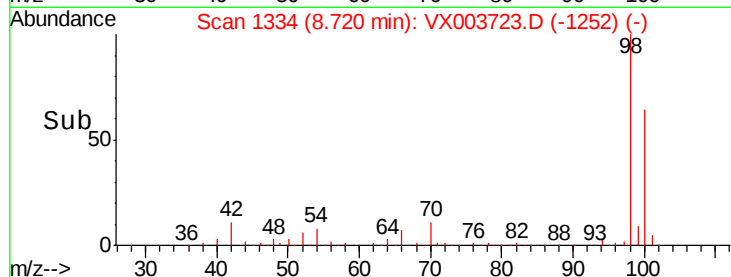
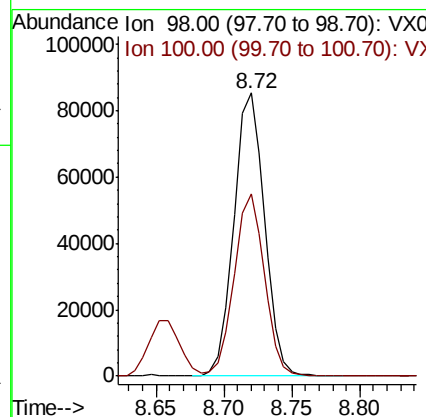
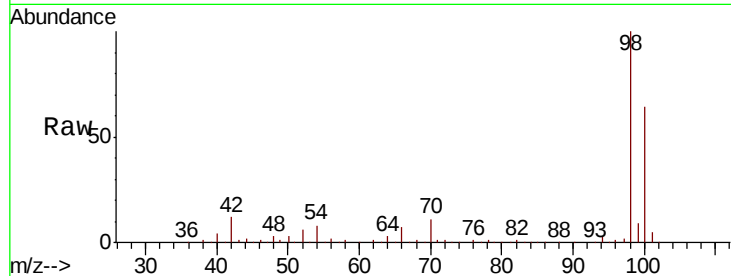
#63
Toluene-d8
Concen: 30.840 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 133636
Ion Ratio Lower Upper
98 100
100 64.0 50.8 76.2

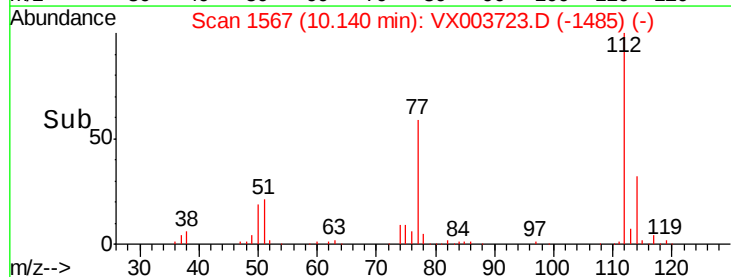
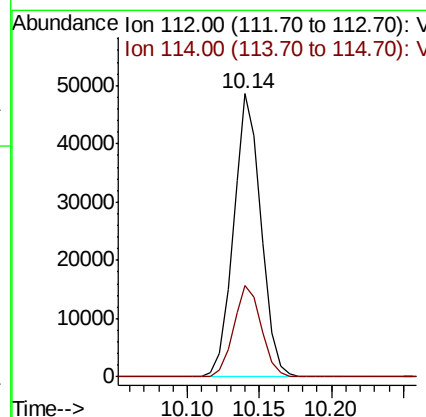
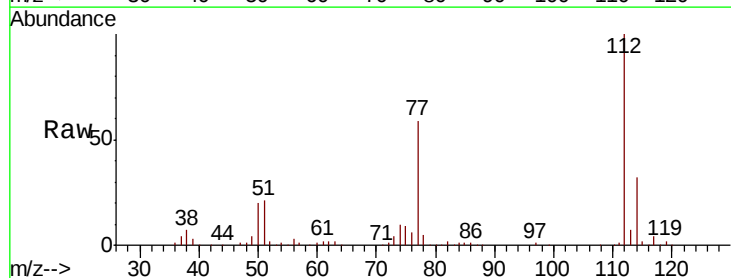
Manual Integrations
APPROVED

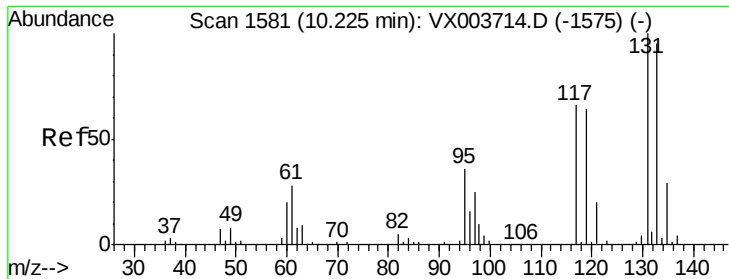
MMDadoda
7/30/2018 3:42:33 PM



#64
Chlorobenzene
Concen: 20.061 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion: 112 Resp: 64722
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.025 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

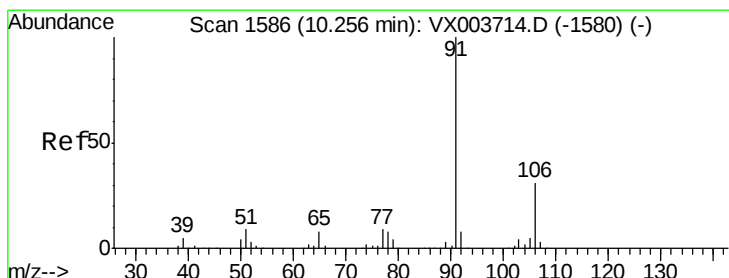
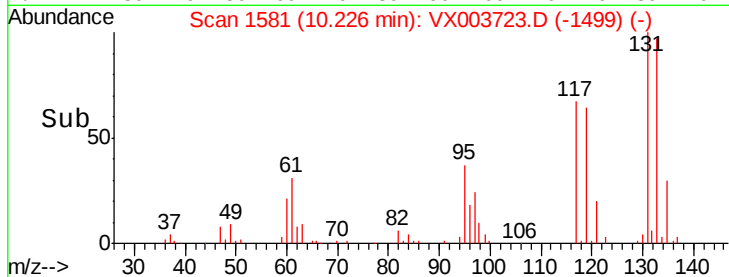
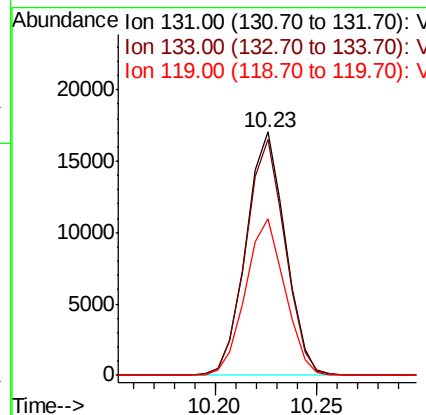
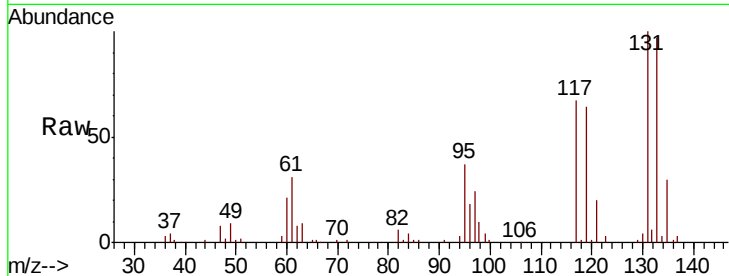
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	22861
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	191.2
119	64.6	0.0	125.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#66

Ethyl Benzene

Concen: 19.917 ug/l

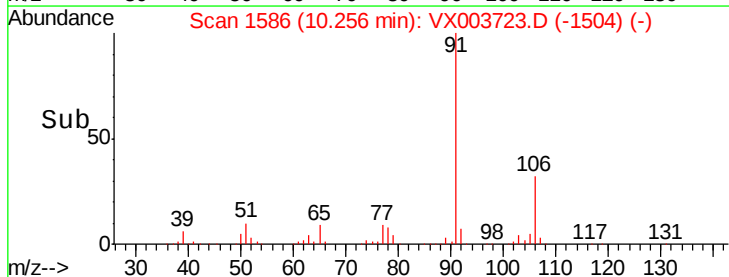
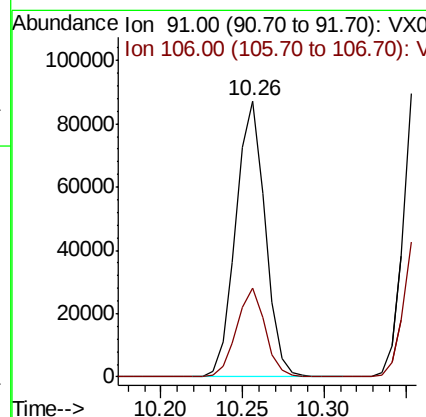
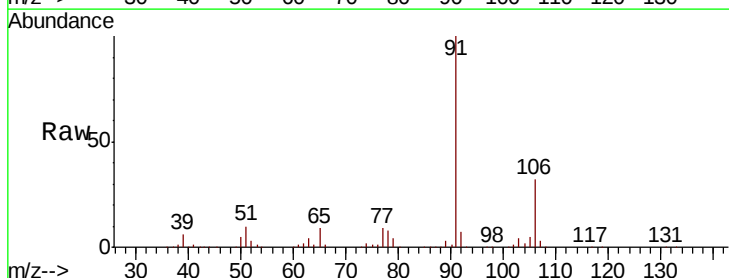
RT: 10.26 min Scan# 1586

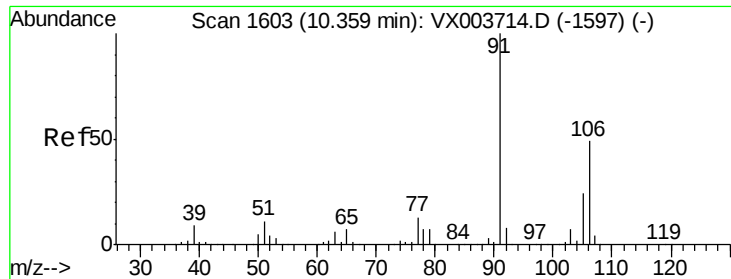
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	91	Resp:	109421
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.2	37.8





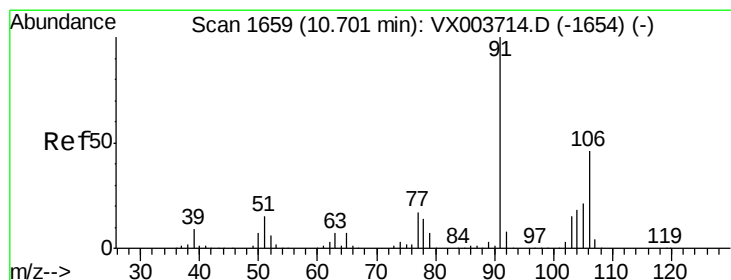
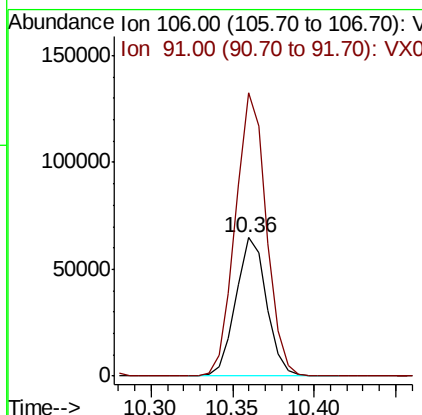
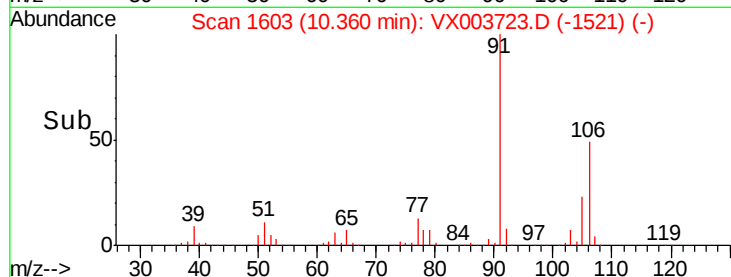
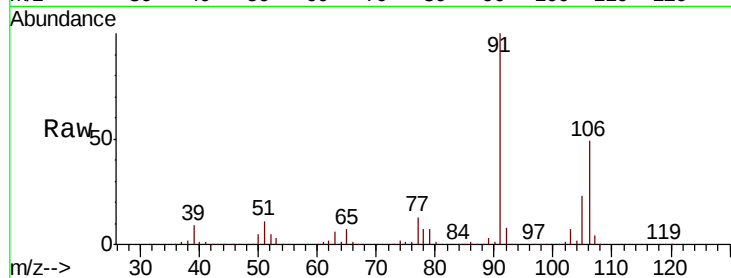
#67
m/p-Xylenes
Concen: 40.480 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 85658
Ion Ratio Lower Upper
106 100
91 205.1 164.1 246.1

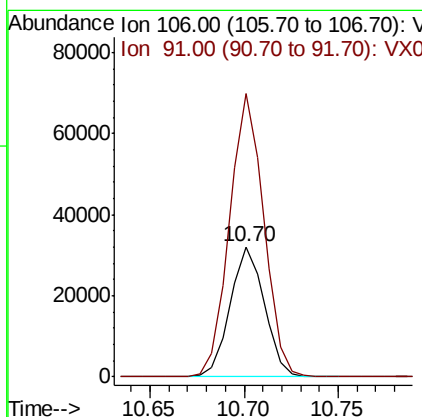
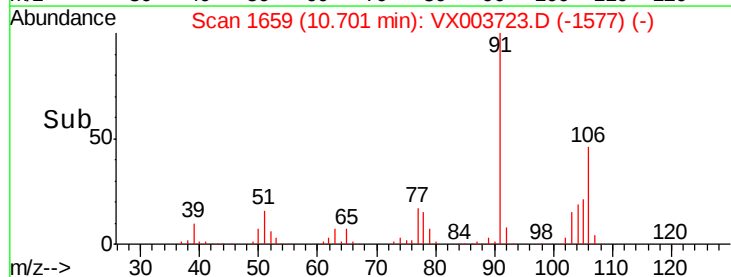
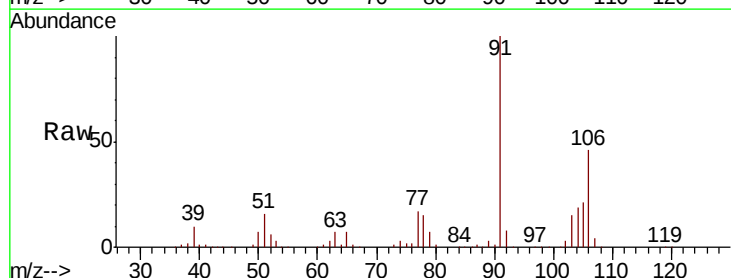
Manual Integrations
APPROVED

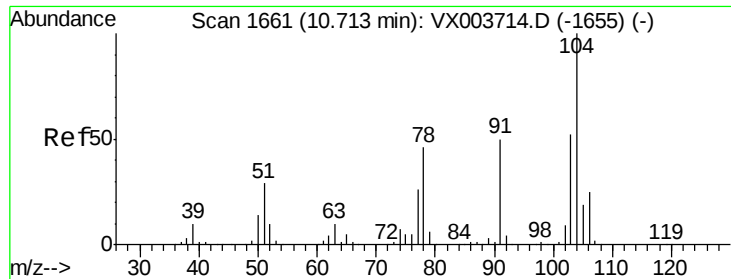
MMDadoda
7/30/2018 3:42:33 PM



#68
o-Xylene
Concen: 20.039 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion:106 Resp: 40566
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3





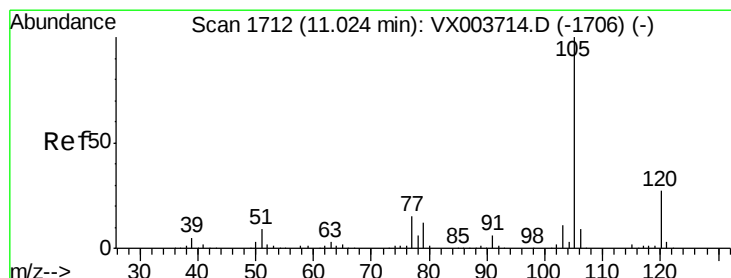
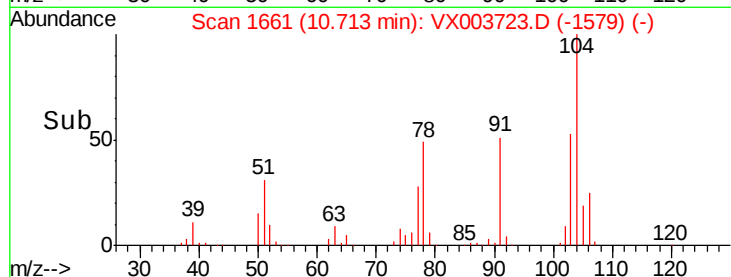
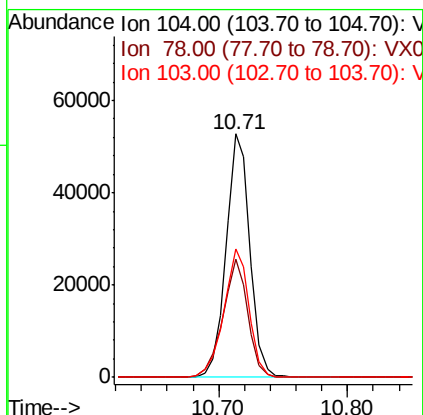
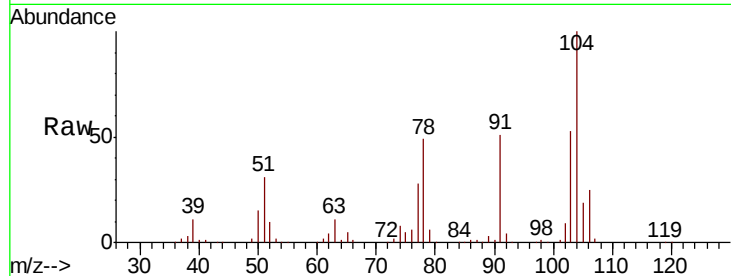
#69
Stvrene
Concen: 19.938 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.8	62.8
103	56.1	44.9	67.3

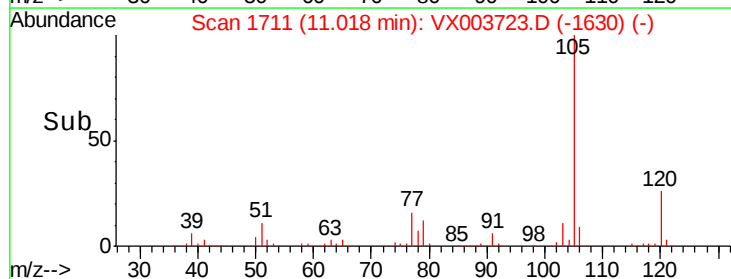
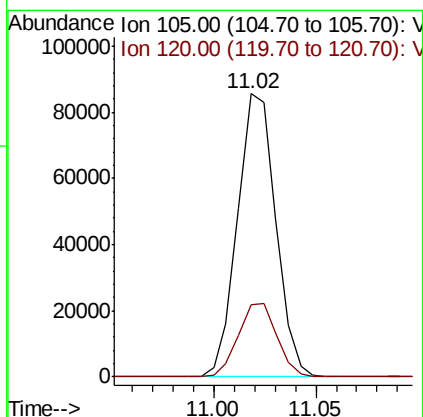
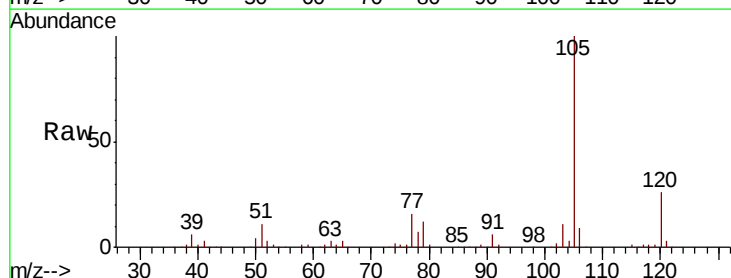
Manual Integrations
APPROVED

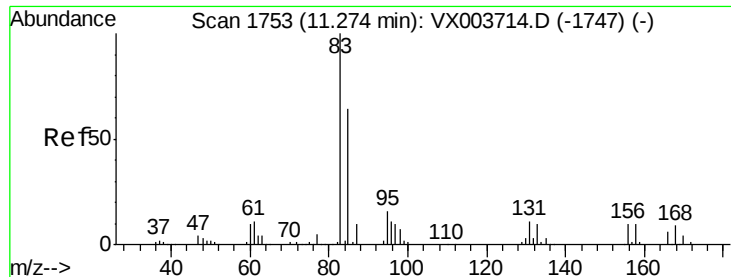
MMDadoda
7/30/2018 3:42:33 PM



#70
Isopropylbenzene
Concen: 20.082 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.890 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

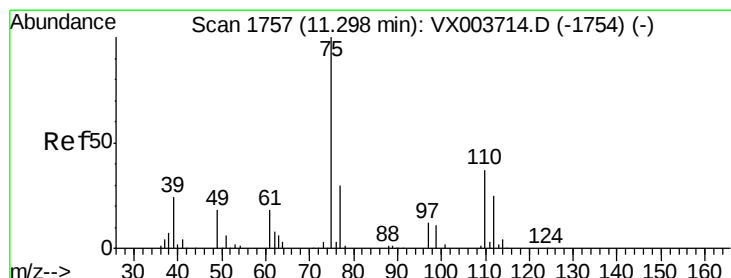
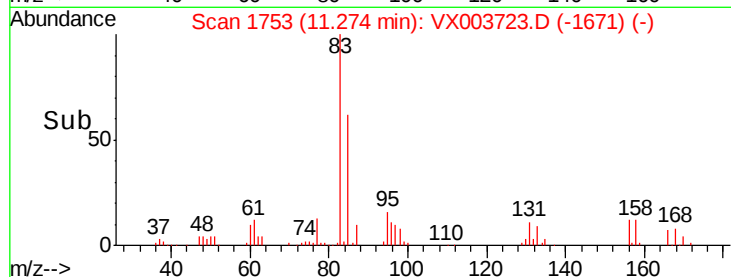
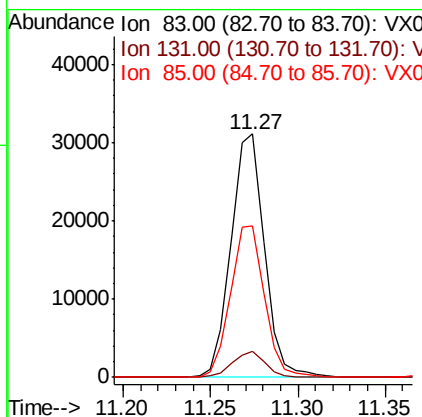
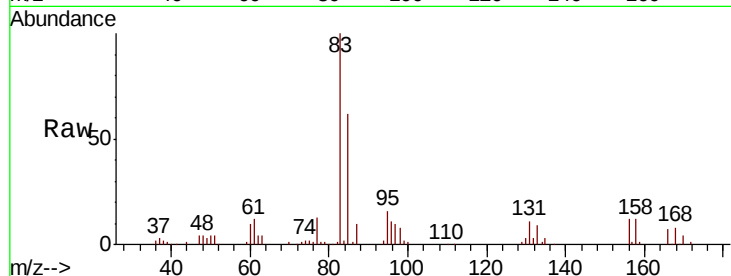
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	41565
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.4	16.2
85	63.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#72

1,2,3-Trichloropropane

Concen: 21.220 ug/l m

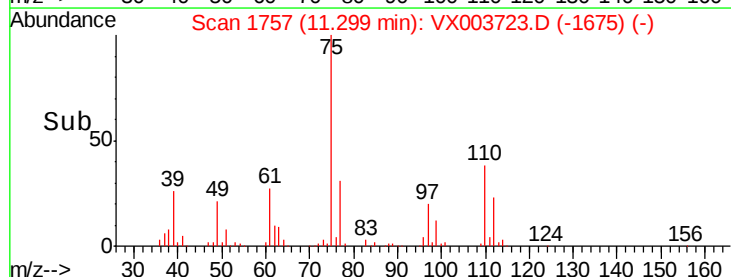
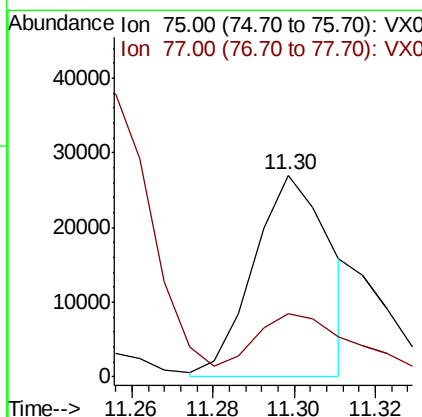
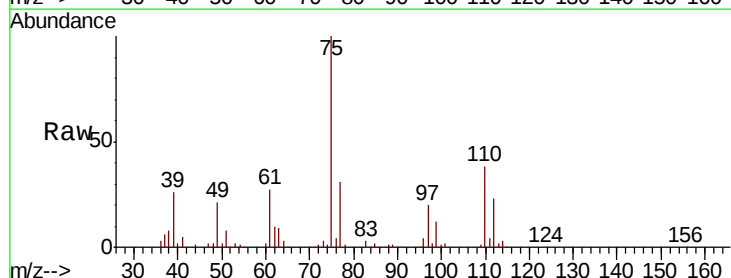
RT: 11.30 min Scan# 1757

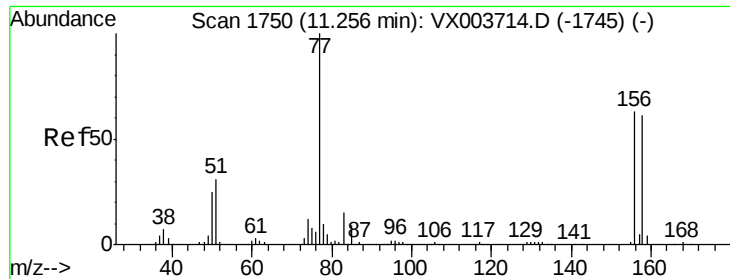
Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	75	Resp:	35123
Ion	Ratio	Lower	Upper
75	100		
77	41.9	0.0	71.8





#73

Bromobenzene

Concen: 19.904 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

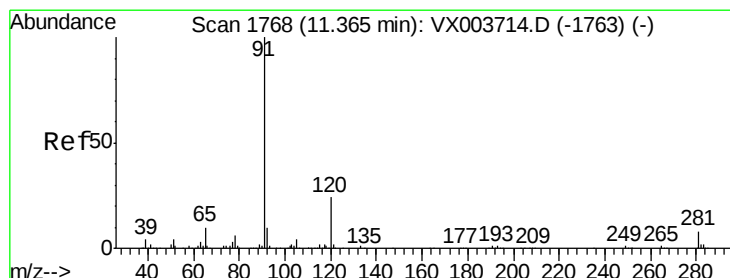
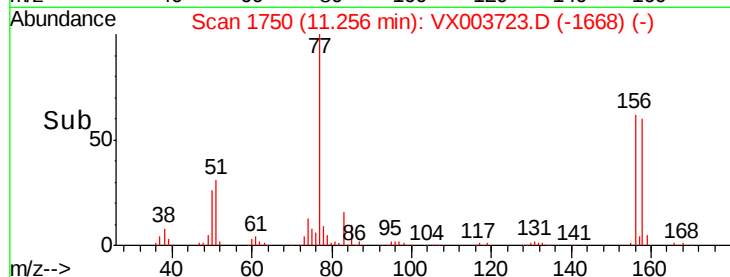
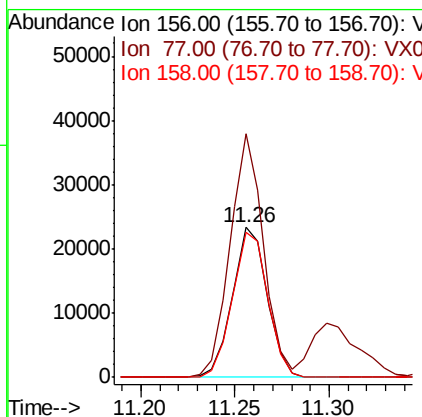
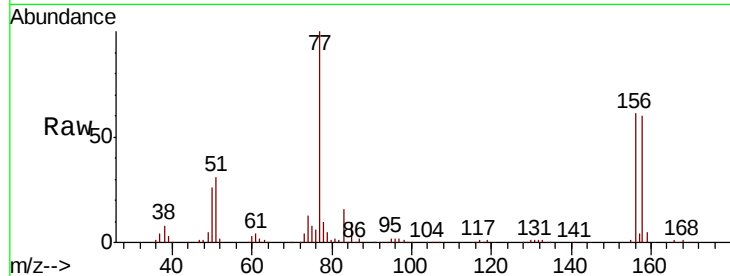
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	29897
Ion	Ratio	Lower	Upper
156	100		
77	155.3	0.0	301.0
158	98.0	0.0	196.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#74

n-propylbenzene

Concen: 20.817 ug/l

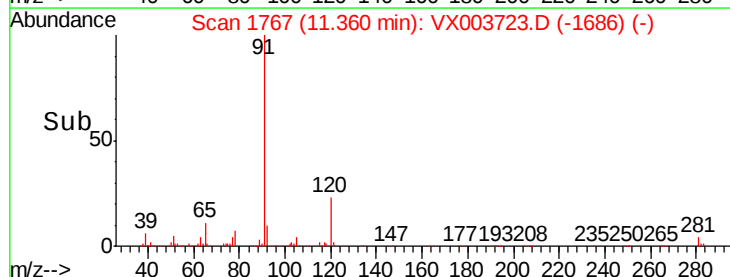
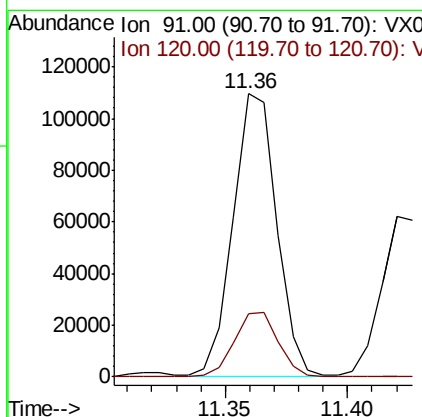
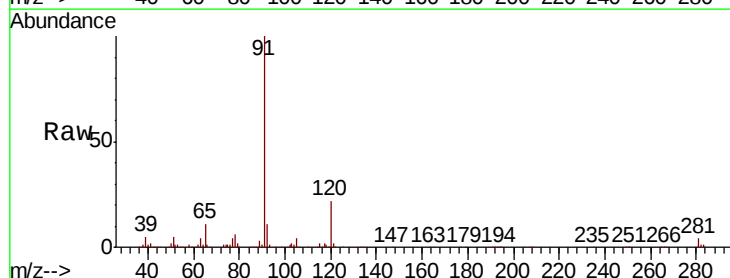
RT: 11.36 min Scan# 1767

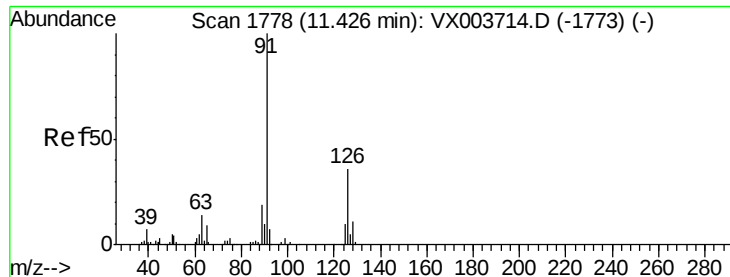
Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Tgt Ion:	91	Resp:	136664
Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	46.2





#75

2-Chlorotoluene

Concen: 20.893 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003723.D

Acq: 27 Jul 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 80842

Ion Ratio Lower Upper

91 100

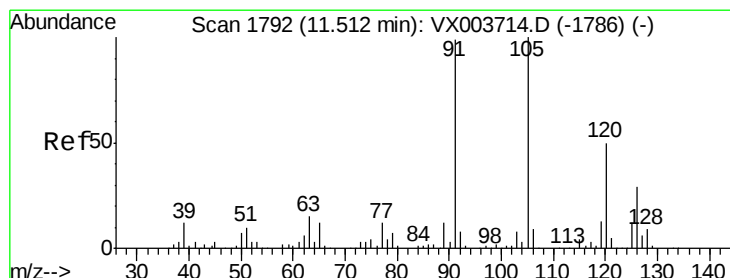
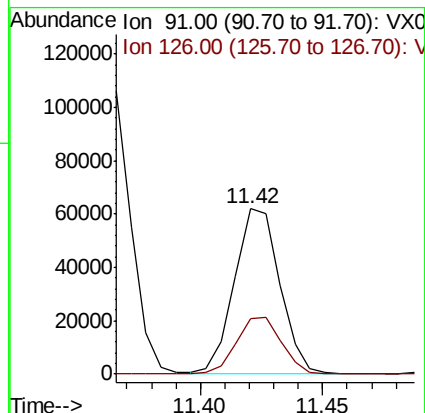
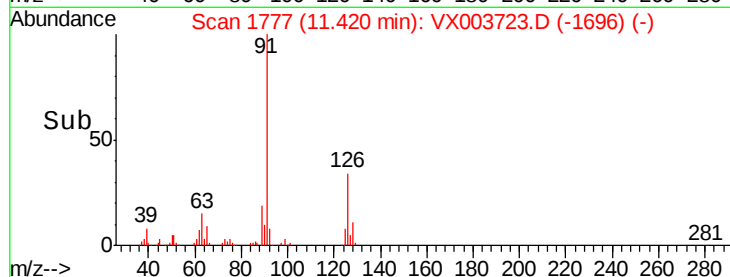
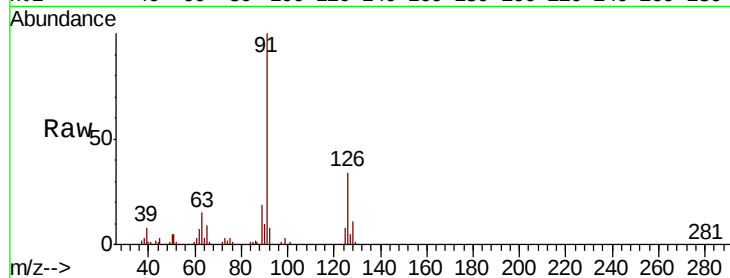
126 34.0 0.0 69.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:33 PM



#76

1,3,5-Trimethylbenzene

Concen: 20.485 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003723.D

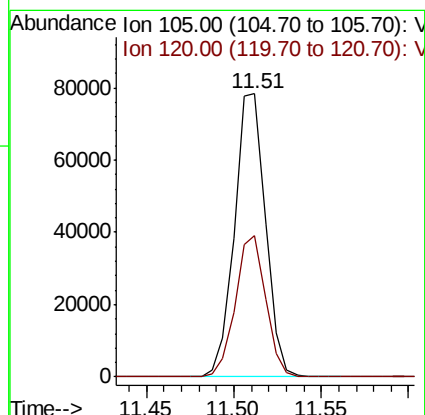
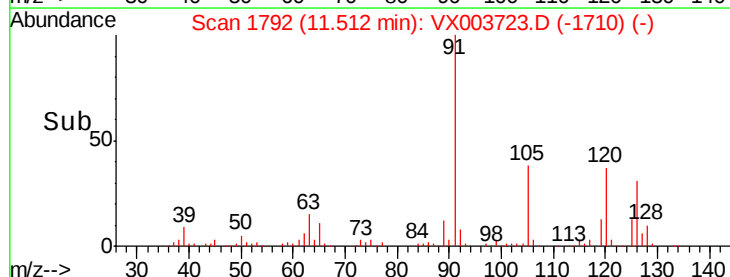
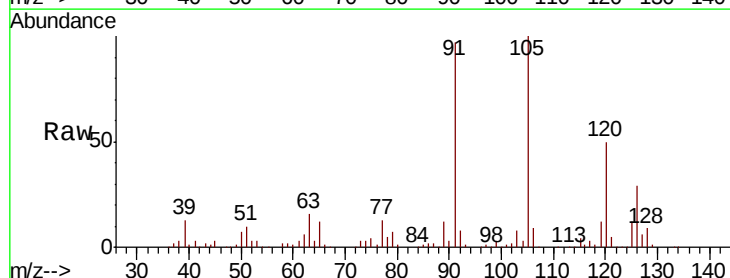
Acq: 27 Jul 2018 20:33

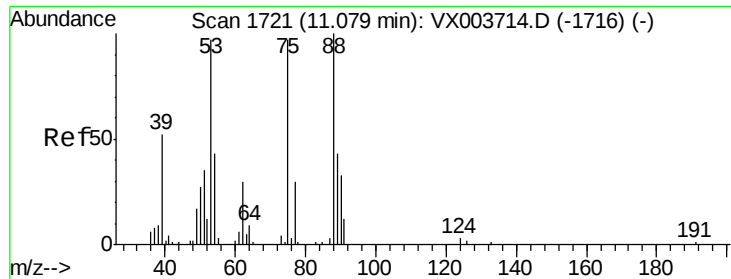
Tgt Ion: 105 Resp: 96880

Ion Ratio Lower Upper

105 100

120 48.7 0.0 96.8





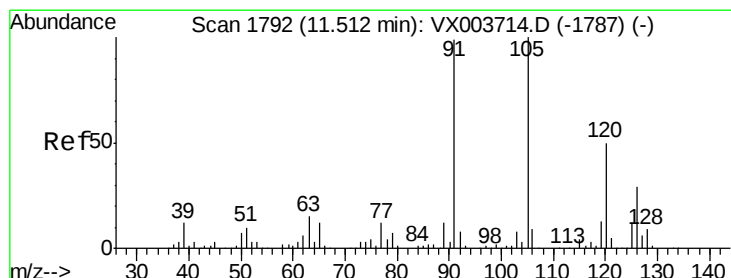
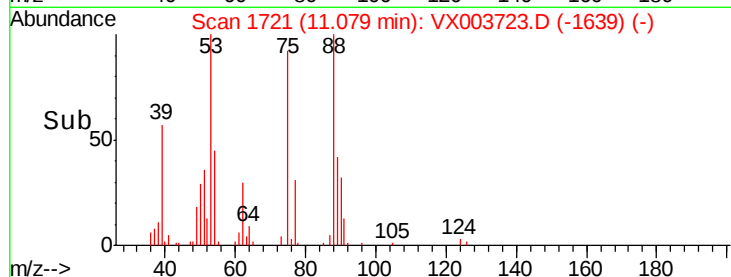
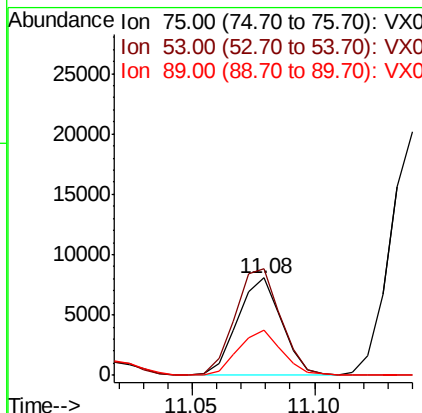
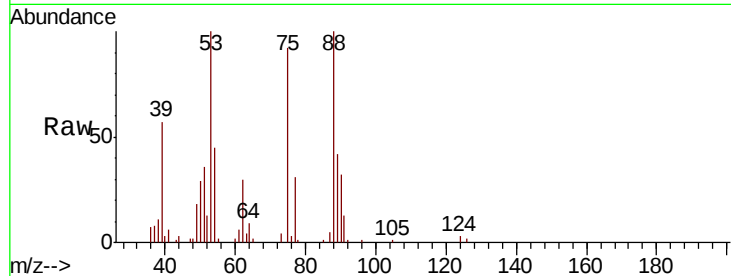
#77
t-1,4-Dichloro-2-butene
Concen: 18.099 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	48.3	144.9
89	46.2	21.8	65.4

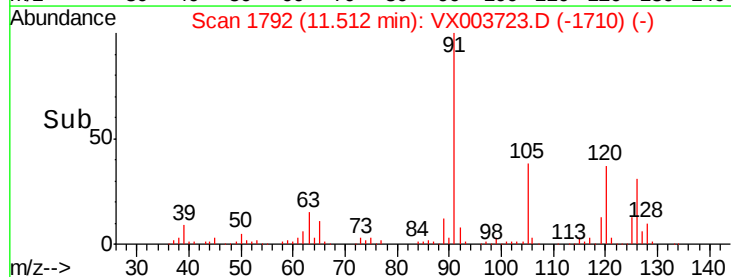
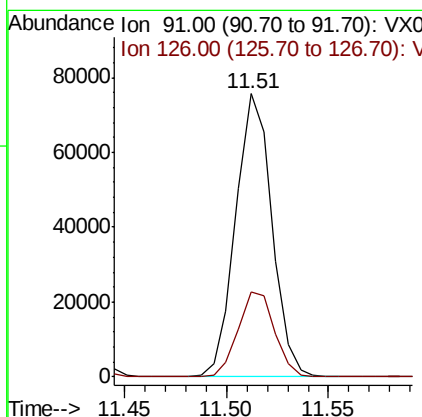
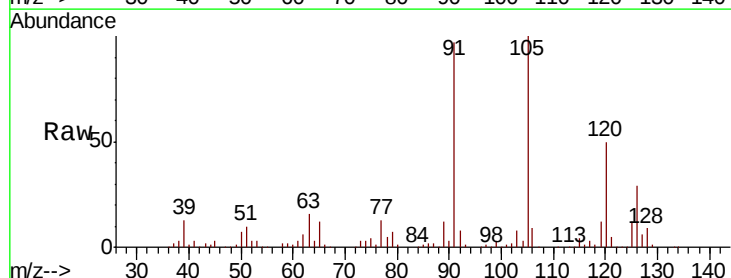
Manual Integrations
APPROVED

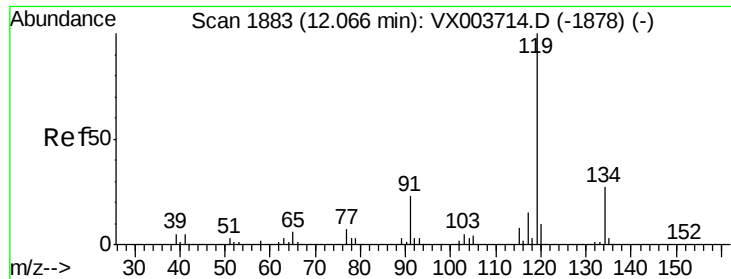
MMDadoda
7/30/2018 3:42:33 PM



#78
4-Chlorotoluene
Concen: 20.596 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.0





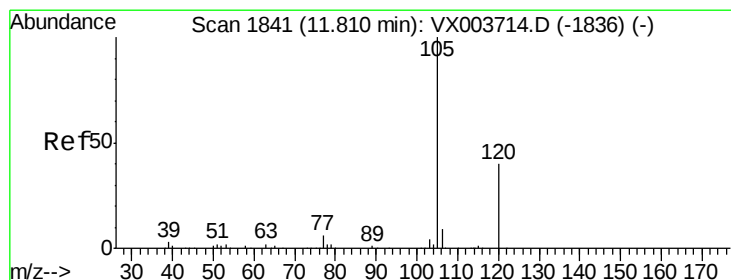
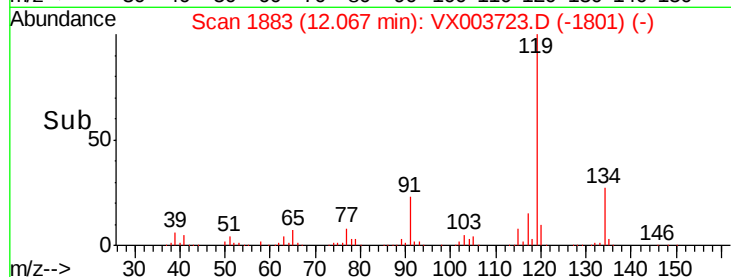
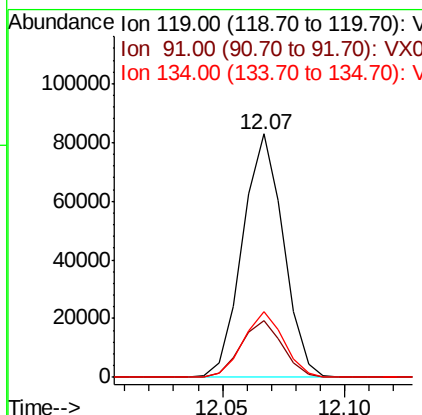
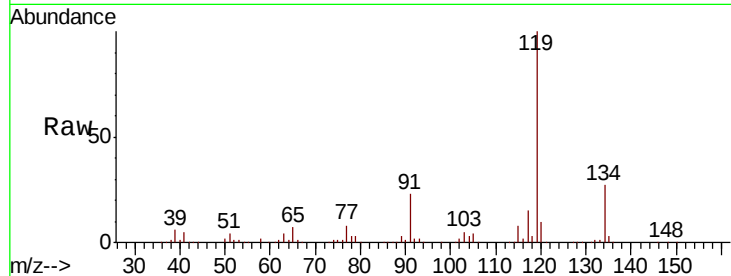
#79
tert-butylbenzene
Concen: 19.712 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	23.8	0.0	48.0
134	26.6	0.0	52.6

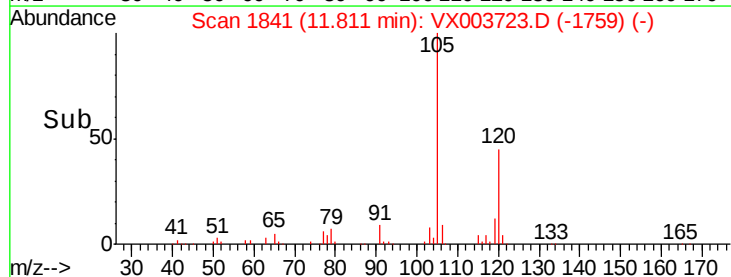
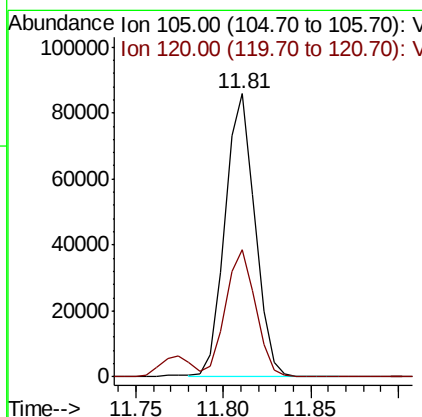
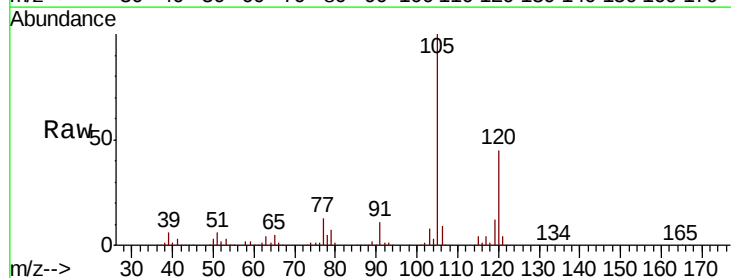
Manual Integrations
APPROVED

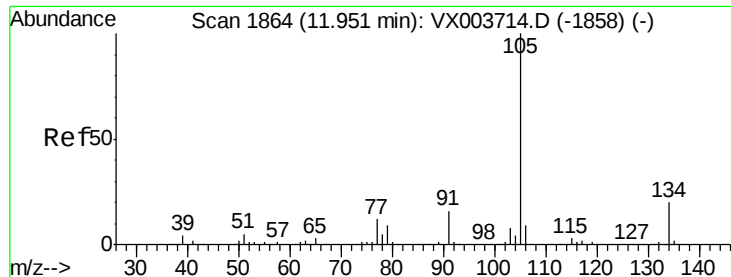
MMDadoda
7/30/2018 3:42:33 PM



#80
1,2,4-Trimethylbenzene
Concen: 21.033 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	0.0	89.2





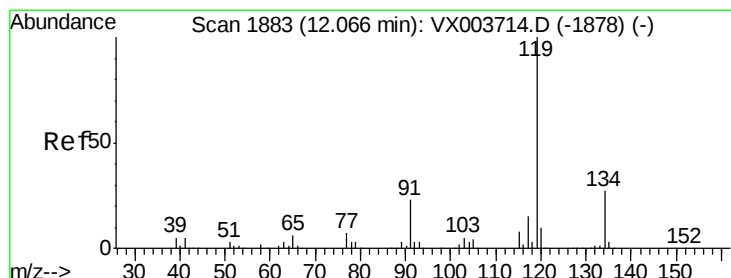
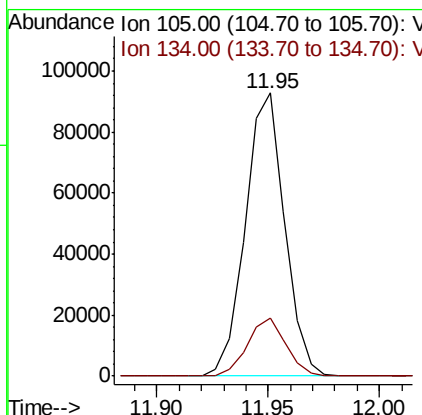
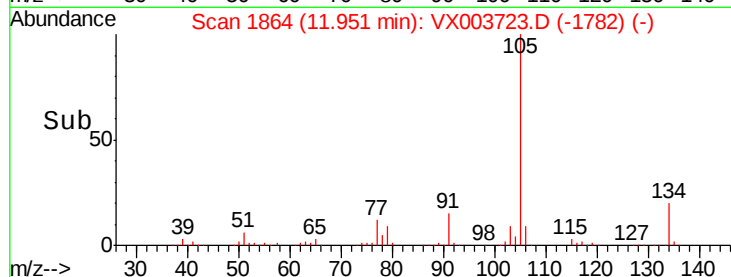
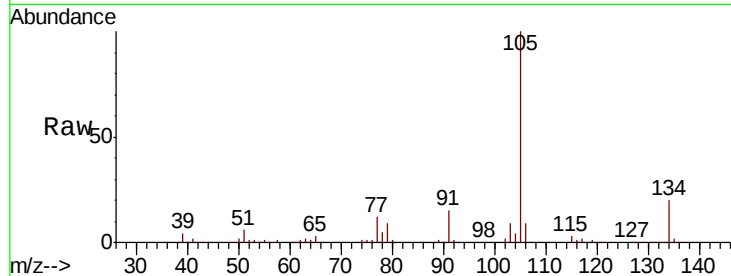
#81
 sec-Butylbenzene
 Concen: 20.752 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Tot Ion:105 Resp: 114292
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 41.6

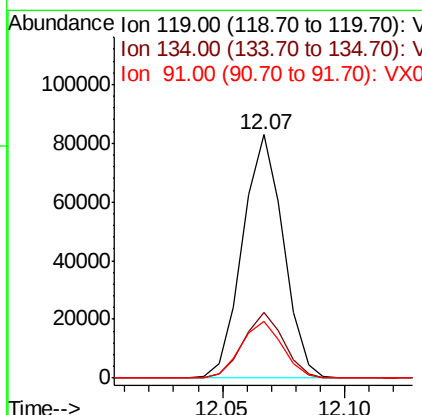
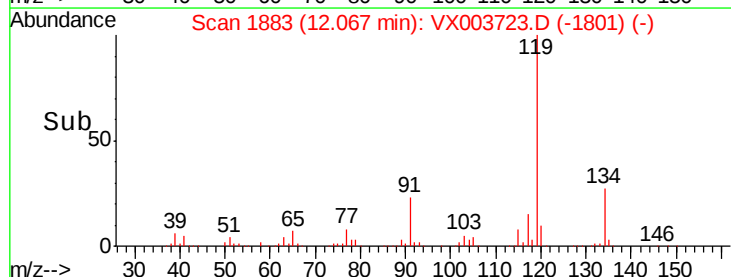
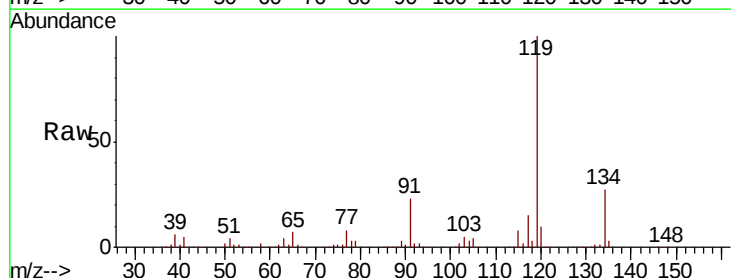
Manual Integrations
 APPROVED

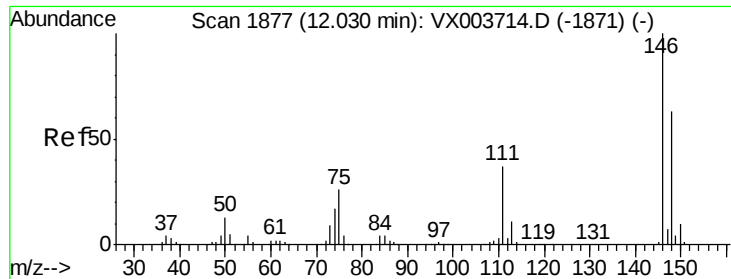
MMDadoda
 7/30/2018 3:42:33 PM



#82
 p-Isopropyltoluene
 Concen: 19.712 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion:119 Resp: 95920
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 23.8 0.0 48.0





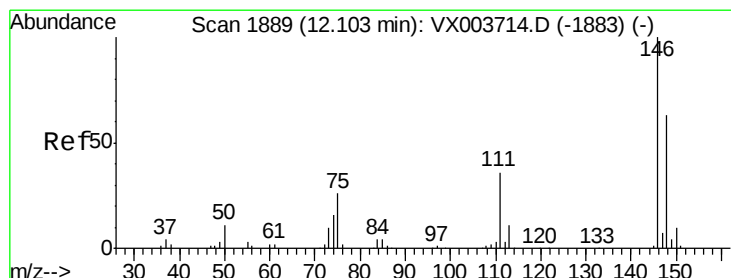
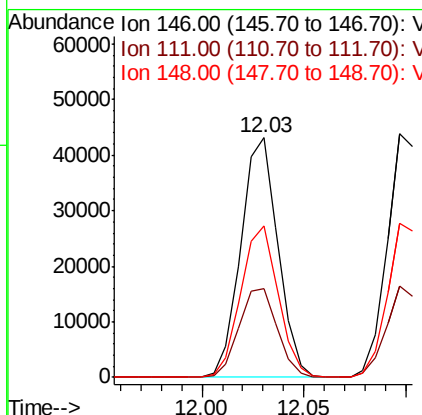
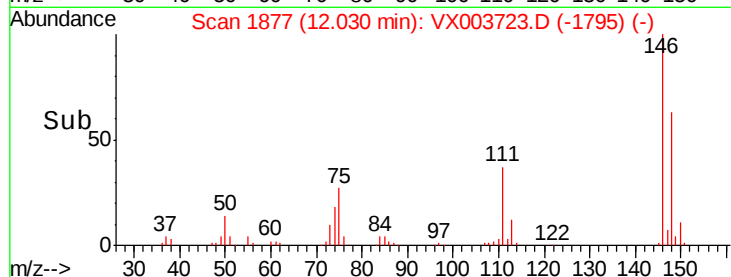
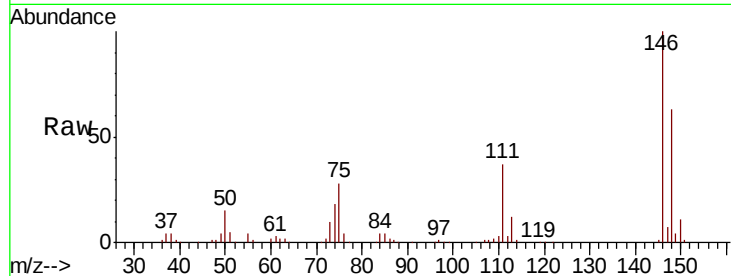
#83
 1,3-Dichlorobenzene
 Concen: 19.880 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.7	31.9	95.7

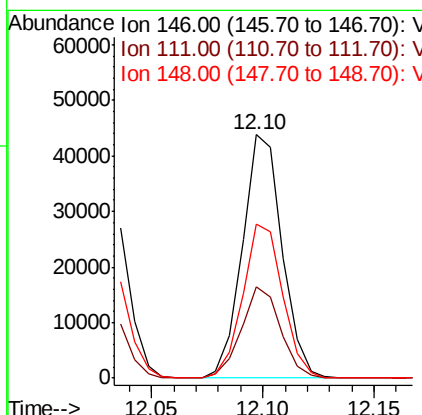
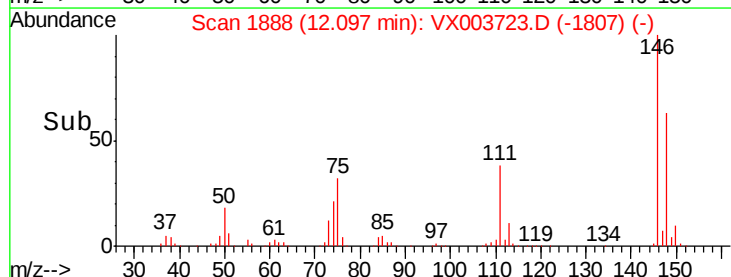
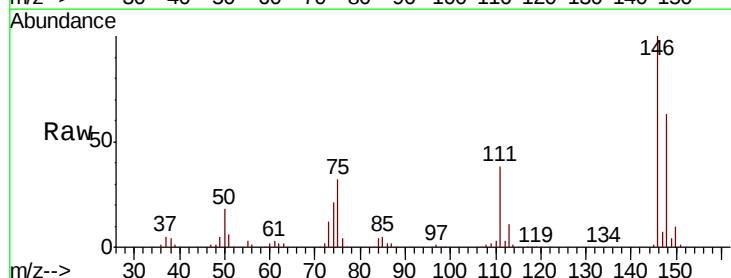
Manual Integrations
 APPROVED

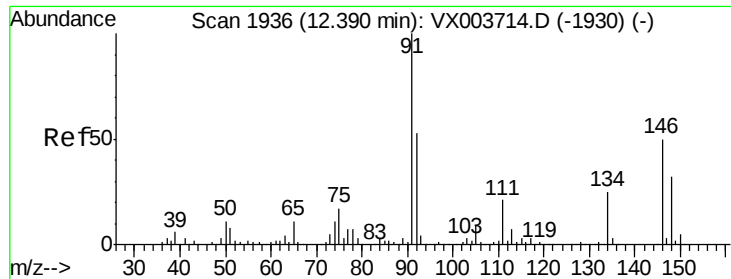
MMDadoda
 7/30/2018 3:42:33 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.708 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	64.0	32.0	96.0





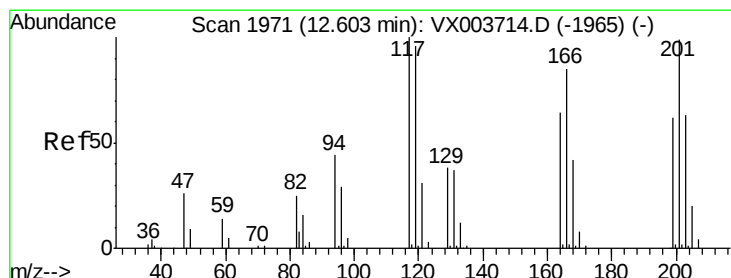
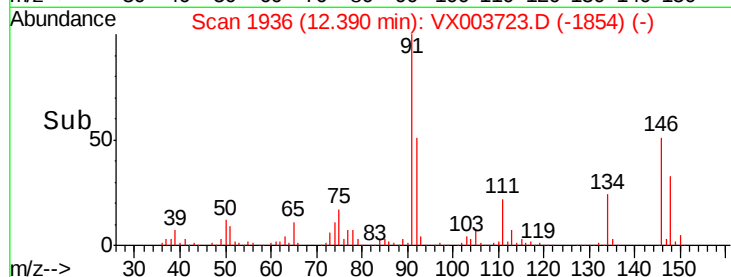
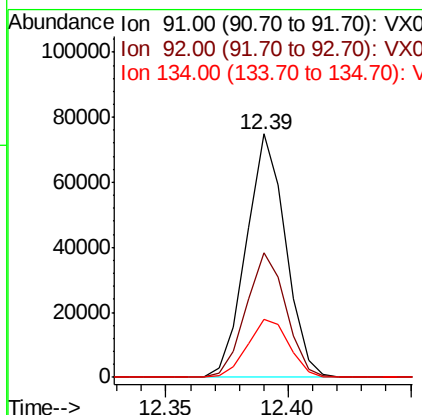
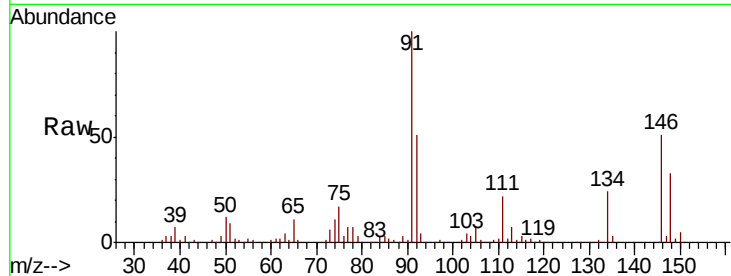
#85
n-Butylbenzene
Concen: 19.462 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	105.2
134	25.2	0.0	53.2

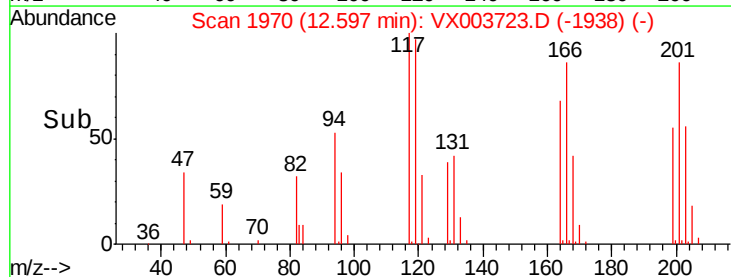
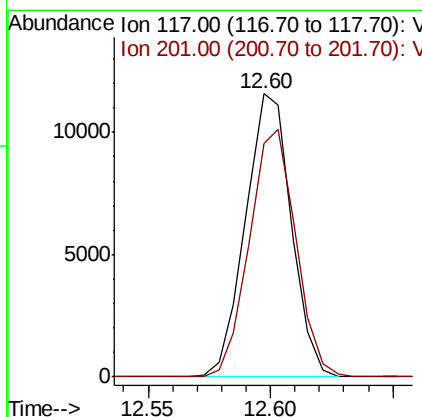
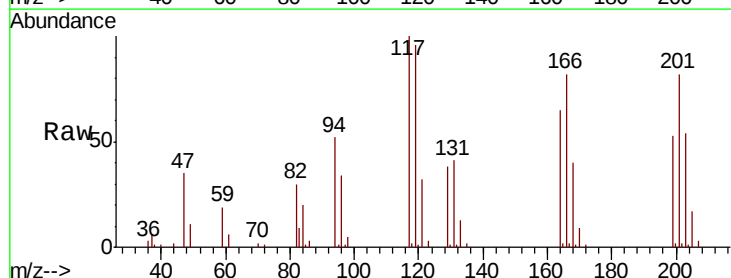
Manual Integrations
APPROVED

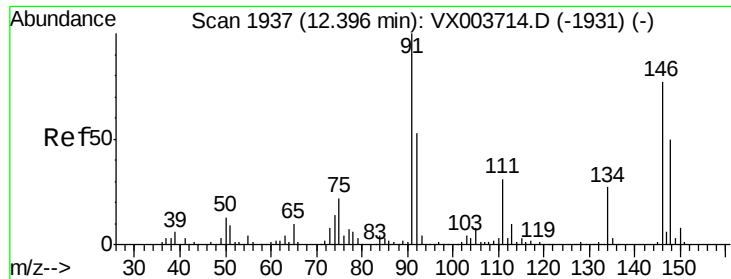
MMDadoda
7/30/2018 3:42:33 PM



#86
Hexachloroethane
Concen: 19.329 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	47.6	142.8





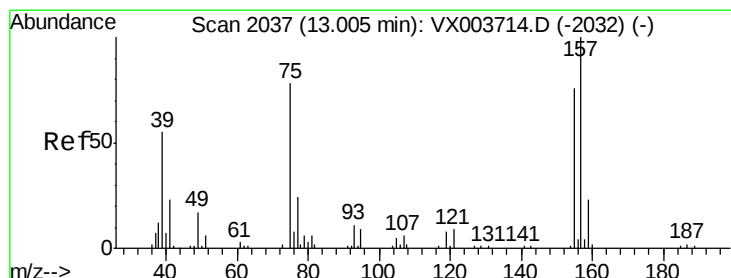
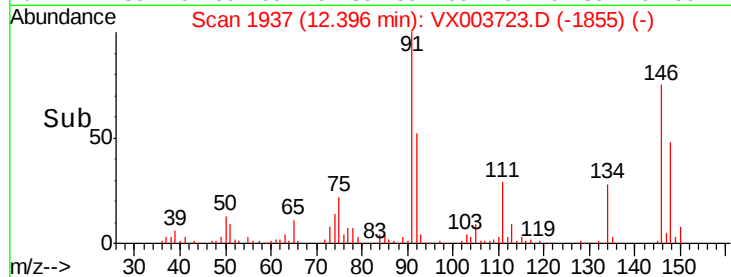
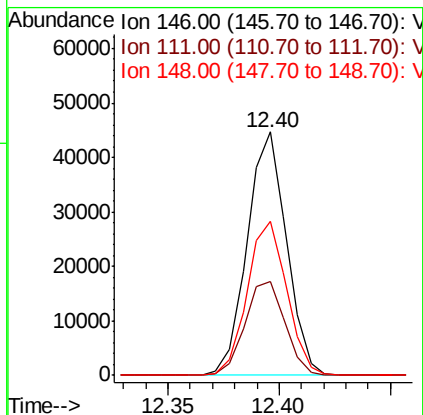
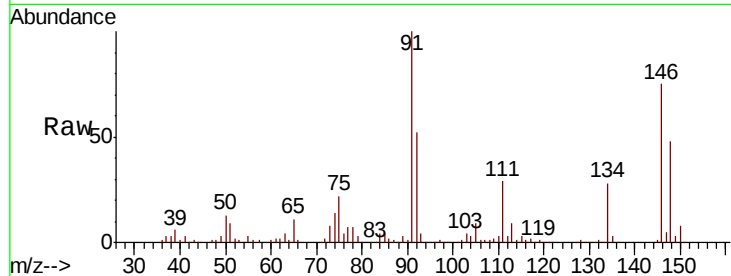
#87
 1,2-Dichlorobenzene
 Concen: 19.978 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.6	32.8	98.3

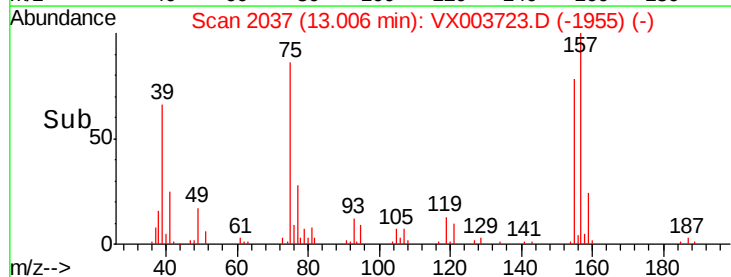
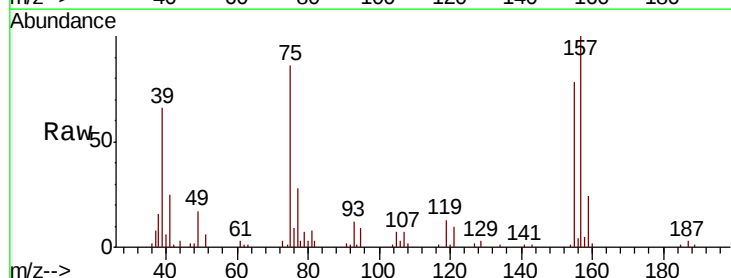
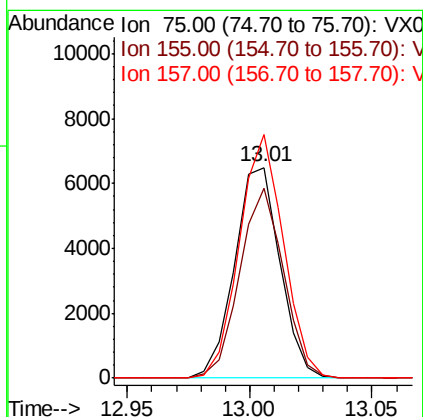
Manual Integrations
 APPROVED

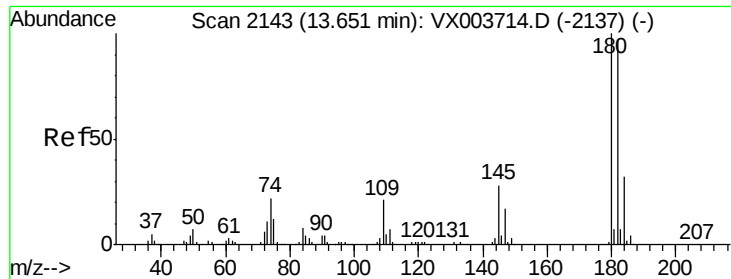
MMDadoda
 7/30/2018 3:42:33 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.040 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	73.1	109.7
157	112.1	93.1	139.7





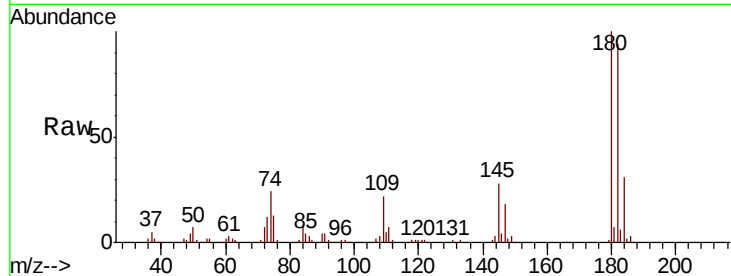
#89
 1,2,4-Trichlorobenzene
 Concen: 20.720 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	28.1	22.9	34.3

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:33 PM

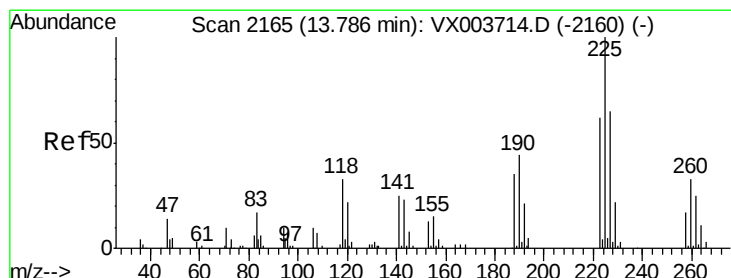
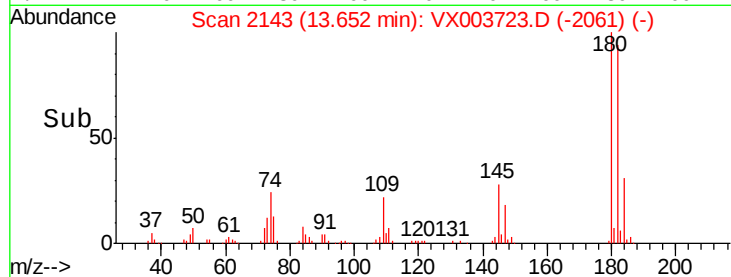
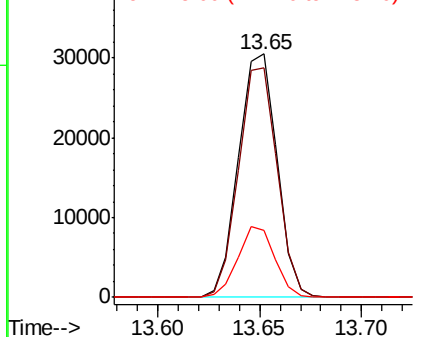


Abundance

Ion 180.00 (179.70 to 180.70): V

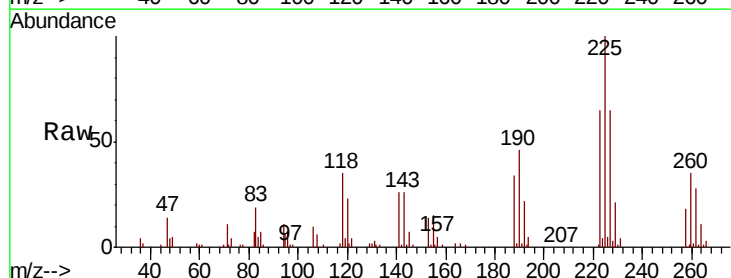
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 22.517 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003723.D
 Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	122.4
227	63.8	0.0	128.0

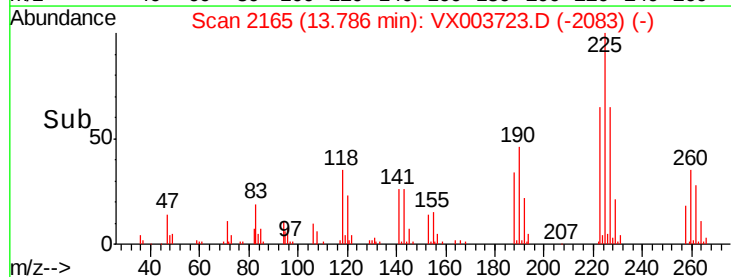
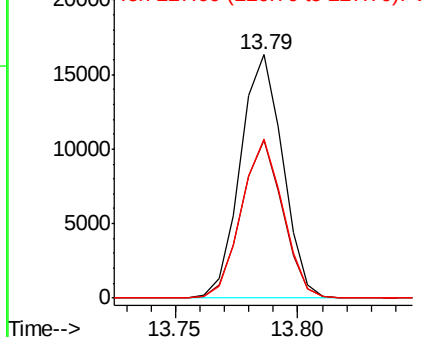


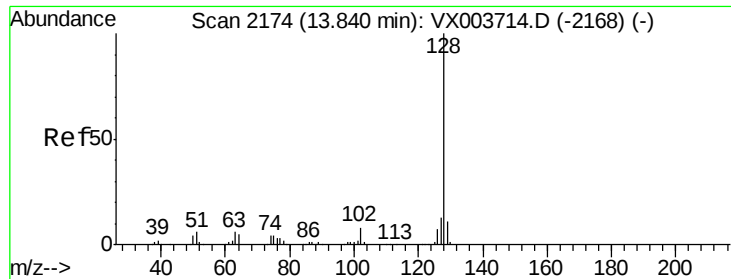
Abundance

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





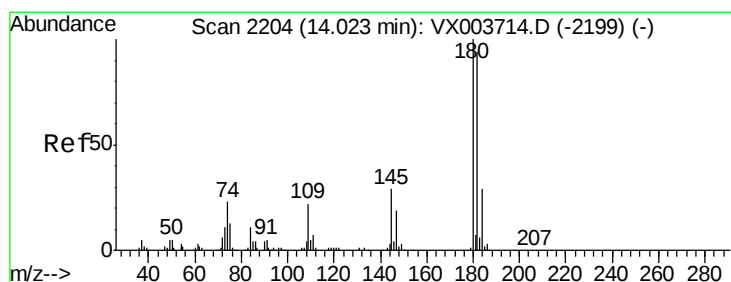
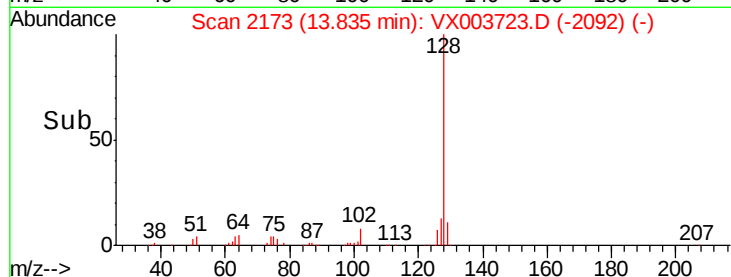
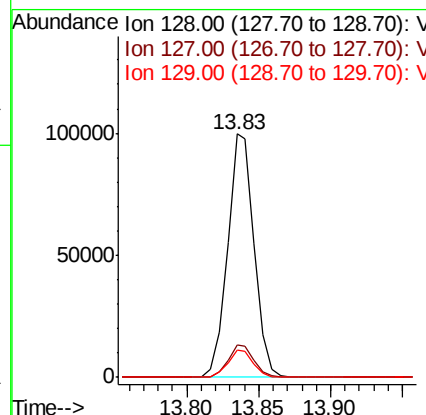
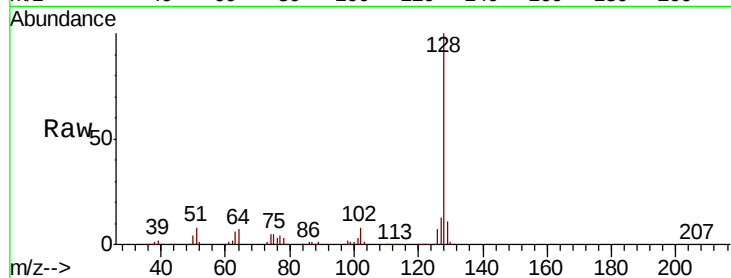
#91
Naphthalene
Concen: 21.724 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2018 3:42:33 PM



#92
1,2,3-Trichlorobenzene
Concen: 20.230 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003723.D
Acq: 27 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	191.0
145	30.0	0.0	60.6

