

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003709.D
 Acq On : 27 Jul 2018 10:00
 Operator : JC/SP
 Sample : J4154-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MS

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:41:16 PM

Quant Time: Jul 27 10:58:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	98857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	154054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	77119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	78366	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
35) Dibromofluoromethane	5.51	113	64166	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.72	98	207834	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	
62) 4-Bromofluorobenzene	11.14	95	73839	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52715	46.82	ug/l	99
3) Chloromethane	1.32	50	75757	51.08	ug/l	96
4) Vinyl Chloride	1.40	62	76419	50.38	ug/l	91
5) Bromomethane	1.64	94	38261	52.24	ug/l	94
6) Chloroethane	1.72	64	49813	48.79	ug/l	100
7) Trichlorofluoromethane	1.93	101	100986	51.72	ug/l	97
8) Diethyl Ether	2.19	74	46743	54.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59557	49.56	ug/l	99
10) Methyl Iodide	2.51	142	81600	50.35	ug/l	99
11) Tert butyl alcohol	3.08	59	78738	224.94	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58720	51.35	ug/l	94
13) Acrolein	2.29	56	34037	193.23	ug/l	98
14) Allyl chloride	2.73	41	116661	48.94	ug/l	99
15) Acrylonitrile	3.15	53	215602	254.92	ug/l	99
16) Acetone	2.45	43	173903	252.78	ug/l	99
17) Carbon Disulfide	2.57	76	165469	50.31	ug/l	100
18) Methyl Acetate	2.78	43	83215	40.05	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	218899	54.21	ug/l	100
20) Methylene Chloride	2.85	84	72911	53.49	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	64522	52.48	ug/l	98
22) Diisopropyl ether	3.88	45	219814	50.51	ug/l	96
23) Vinyl Acetate	3.83	43	623042	167.12	ug/l	# 94
24) 1,1-Dichloroethane	3.70	63	130820	53.33	ug/l	100
25) 2-Butanone	4.71	43	266358	250.62	ug/l	96
26) 2,2-Dichloropropane	4.59	77	36043	23.24	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	74082	55.49	ug/l	91
28) Bromochloromethane	5.02	49	48696	49.47	ug/l	100
29) Tetrahydrofuran	5.17	42	177609	256.72	ug/l	96
30) Chloroform	5.21	83	126467	56.84	ug/l	99
31) Cyclohexane	5.57	56	101722	51.66	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	99202	53.69	ug/l	97
36) 1,1-Dichloropropene	5.80	75	88700	49.26	ug/l	99
37) Ethyl Acetate	4.87	43	71567	33.05	ug/l	99
38) Carbon Tetrachloride	5.79	117	88791	51.16	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003709.D
 Acq On : 27 Jul 2018 10:00
 Operator : JC/SP
 Sample : J4154-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0506MS

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:41:16 PM

Quant Time: Jul 27 10:58:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82979	41.86	ug/l	99
40) Benzene	6.15	78	320489	60.14	ug/l	99
41) Methacrylonitrile	5.06	41	58313	48.63	ug/l	99
42) 1,2-Dichloroethane	6.20	62	94744	50.51	ug/l	99
43) Isopropyl Acetate	6.47	43	131201	41.54	ug/l	99
44) Trichloroethene	7.22	130	62245	43.57	ug/l	98
45) 1,2-Dichloropropane	7.52	63	64271	46.66	ug/l	97
46) Dibromomethane	7.67	93	40713	46.01	ug/l	97
47) Bromodichloromethane	7.90	83	77385	46.64	ug/l	97
48) Methyl methacrylate	7.78	41	72872	45.46	ug/l	96
49) 1,4-Dioxane	7.76	88	27260	762.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	458735	215.24	ug/l	98
52) Toluene	8.79	92	139297	42.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	76405	37.80	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	72781	39.62	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	58431	43.16	ug/l	98
56) Ethyl methacrylate	9.18	69	89151	44.25	ug/l	96
57) 1,3-Dichloropropane	9.38	76	104921	46.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.26	63	241	0.24	ug/l #	48
59) 2-Hexanone	9.50	43	389756	238.40	ug/l	99
60) Dibromochloromethane	9.59	129	64140	49.94	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60758	43.10	ug/l	99
64) Tetrachloroethene	9.34	164	53160	46.20	ug/l	94
65) Chlorobenzene	10.14	112	155383	49.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56662	51.46	ug/l	99
67) Ethyl Benzene	10.26	91	283207	53.42	ug/l	99
68) m/p-Xylenes	10.36	106	213453	104.95	ug/l	99
69) o-Xylene	10.70	106	100349	51.25	ug/l	98
70) Styrene	10.71	104	169255	51.46	ug/l	99
71) Bromoform	10.86	173	45215	51.93	ug/l #	98
73) Isopropylbenzene	11.02	105	274052	52.01	ug/l	99
74) N-amyl acetate	6.47	43	131201	47.74	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	95442	49.05	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	79925m	49.41	ug/l	
77) Bromobenzene	11.26	156	70307	49.13	ug/l	98
78) n-propylbenzene	11.36	91	316574	52.03	ug/l	99
79) 2-Chlorotoluene	11.42	91	208602	56.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	251806	56.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21659	41.49	ug/l	95
82) 4-Chlorotoluene	11.51	91	239639	55.01	ug/l	99
83) tert-Butylbenzene	11.77	119	232480	53.30	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	273118	59.61	ug/l	99
85) sec-Butylbenzene	11.95	105	271009	52.05	ug/l	100
86) p-Isopropyltoluene	12.07	119	239659	51.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	137564	51.62	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	131730	47.54	ug/l	99
89) n-Butylbenzene	12.39	91	199097	47.27	ug/l	100
90) Hexachloroethane	12.60	117	39244	55.45	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	133015	48.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20976	51.79	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
Data File : VX003709.D
Acq On : 27 Jul 2018 10:00
Operator : JC/SP
Sample : J4154-04MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

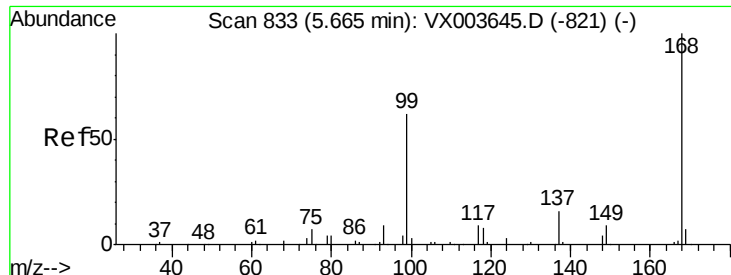
Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM

Quant Time: Jul 27 10:58:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 04:33:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94827	48.80	ug/l	98
94) Hexachlorobutadiene	13.79	225	39019	43.41	ug/l	99
95) Naphthalene	13.83	128	303985	51.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95948	48.61	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion:168 Resp: 98857

Ion Ratio Lower Upper

168 100

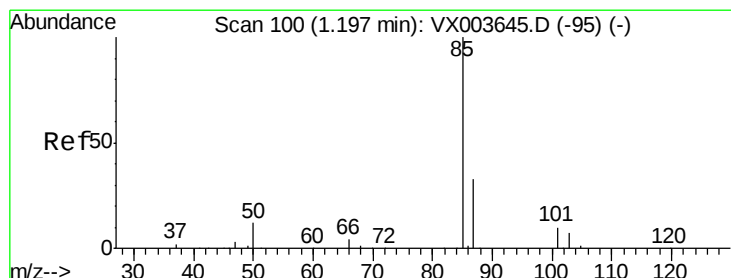
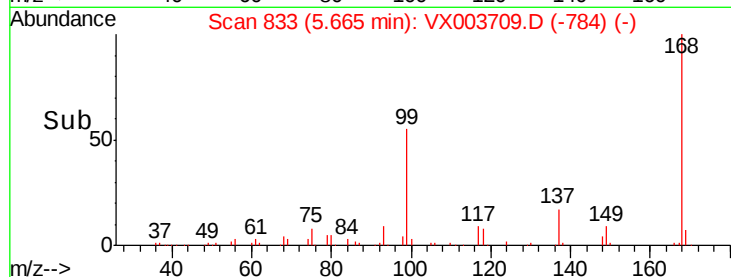
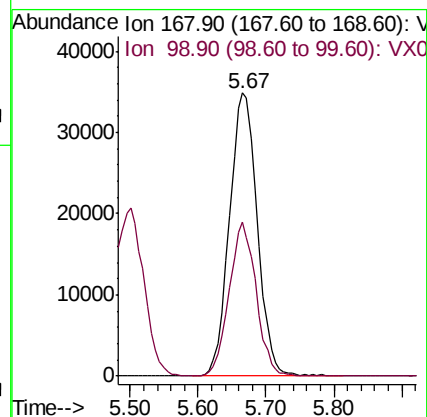
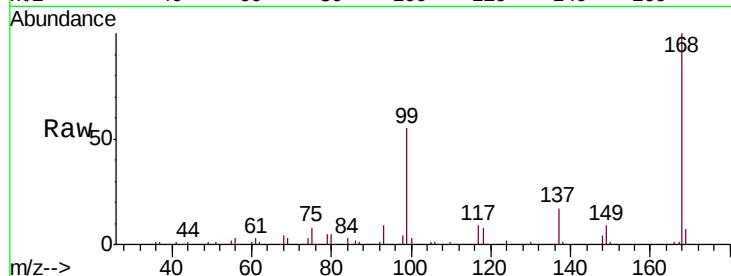
99 54.4 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#2

Dichlorodifluoromethane

Concen: 46.82 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003709.D

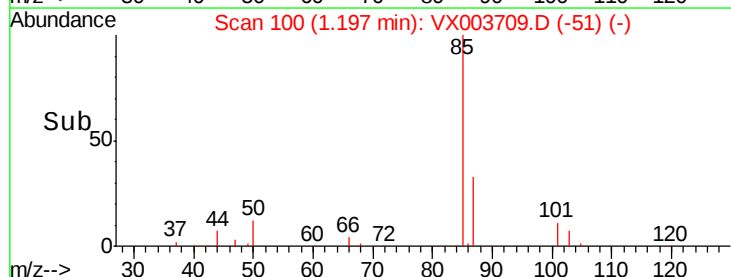
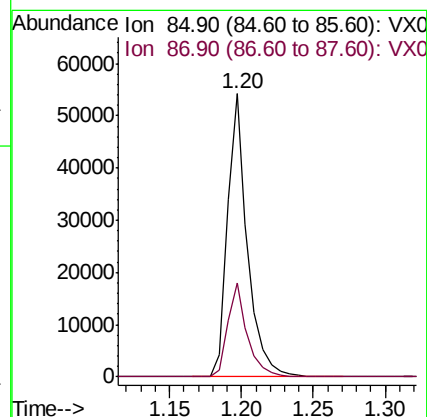
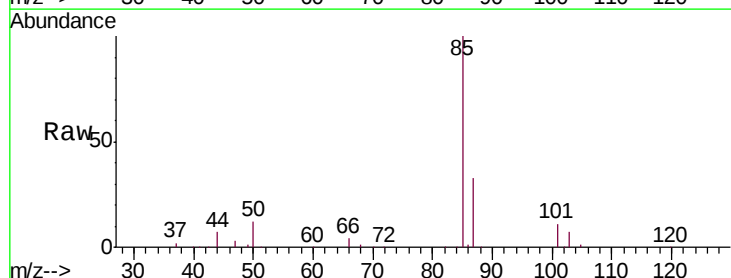
Acq: 27 Jul 2018 10:00

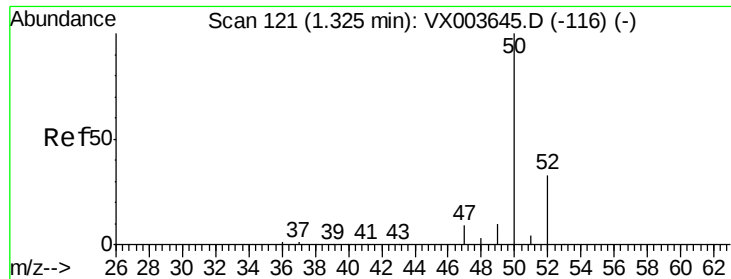
Tgt Ion: 85 Resp: 52715

Ion Ratio Lower Upper

85 100

87 33.4 16.5 49.5





#3

Chloromethane

Concen: 51.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MS

Tot Ion: 50 Resp: 75757

Ion Ratio Lower Upper

50 100

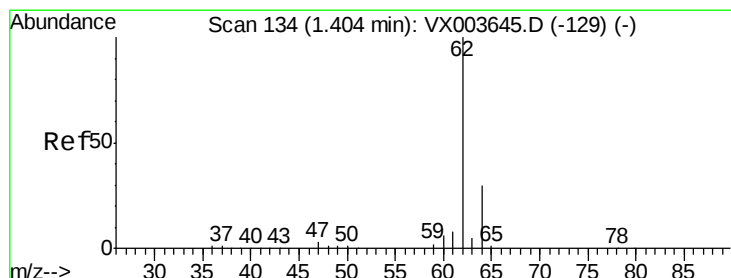
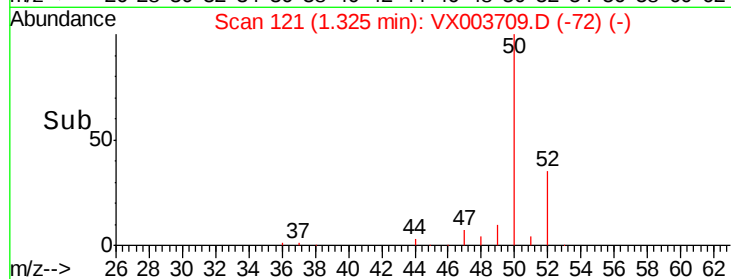
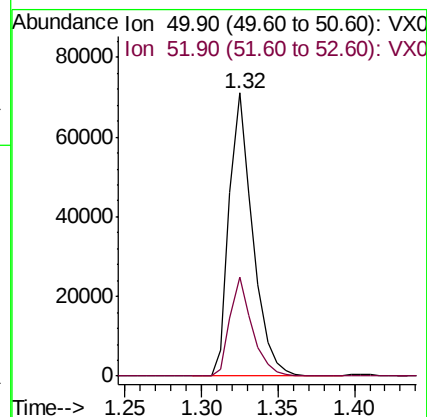
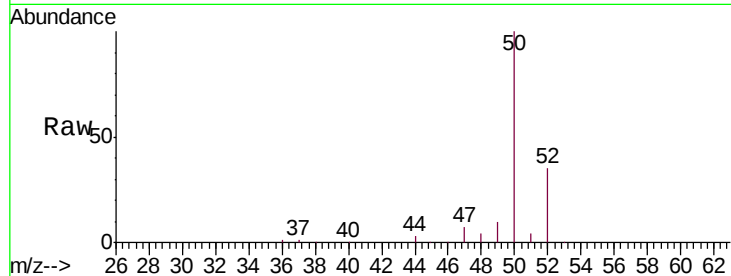
52 34.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#4

Vinyl Chloride

Concen: 50.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003709.D

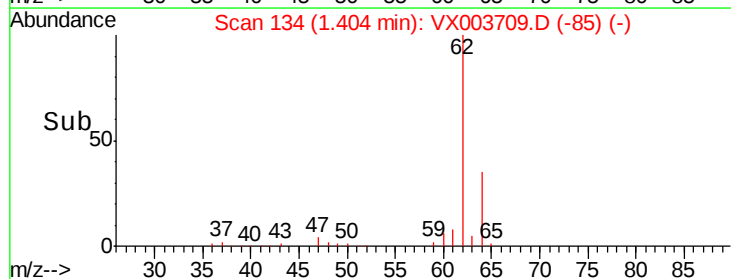
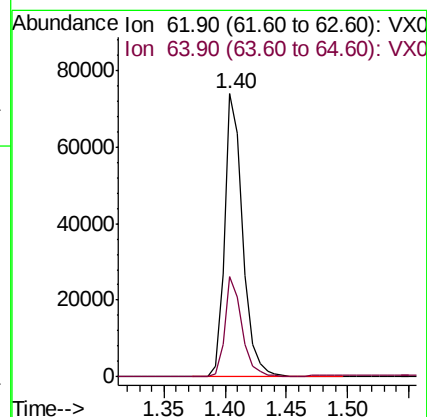
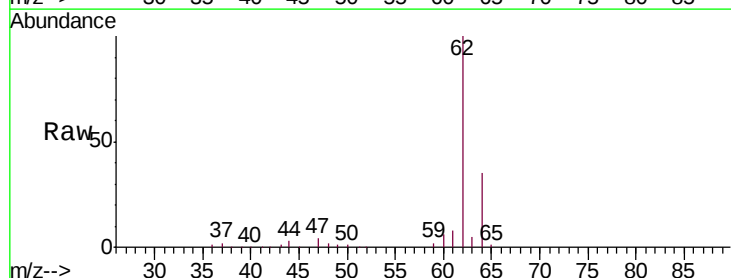
Acq: 27 Jul 2018 10:00

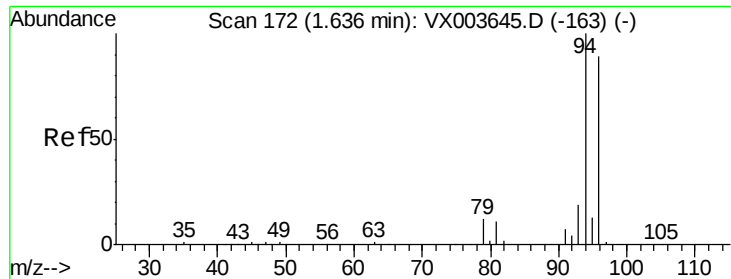
Tgt Ion: 62 Resp: 76419

Ion Ratio Lower Upper

62 100

64 35.3 24.4 36.6





#5

Bromomethane

Concen: 52.24 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MS

Tot Ion: 94 Resp: 38261

Ion Ratio Lower Upper

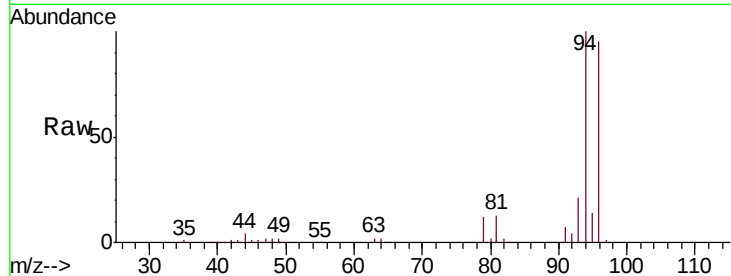
94 100

96 94.5 71.3 106.9

Manual Integrations
APPROVED

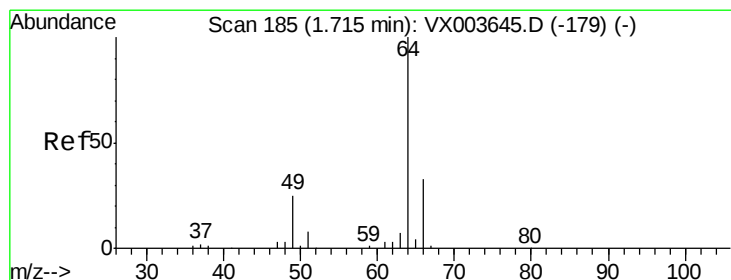
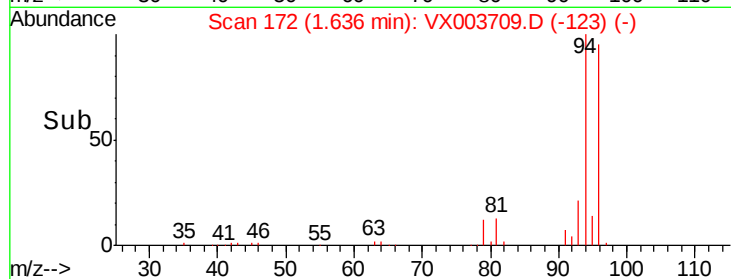
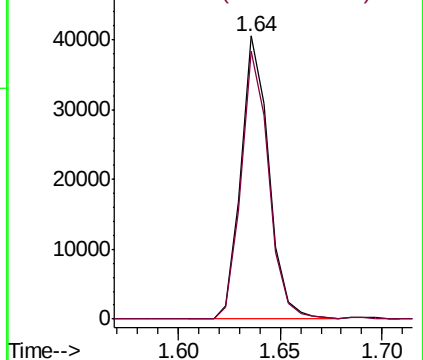
MMDadoda

7/27/2018 5:41:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.79 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003709.D

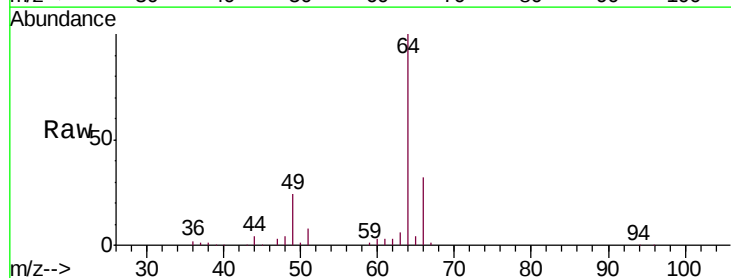
Acq: 27 Jul 2018 10:00

Tgt Ion: 64 Resp: 49813

Ion Ratio Lower Upper

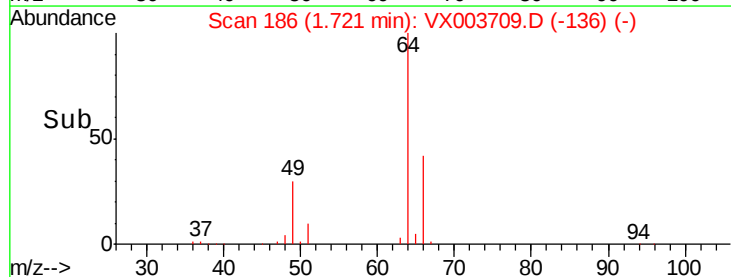
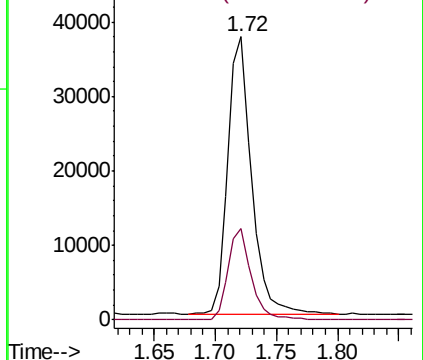
64 100

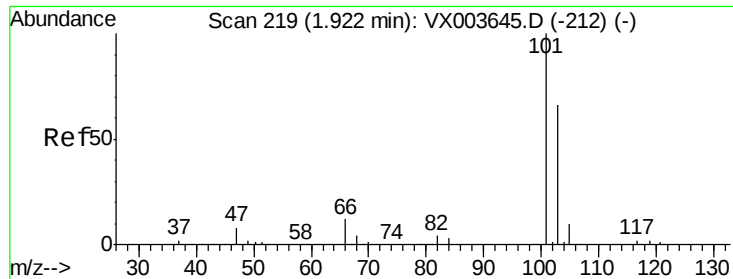
66 32.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

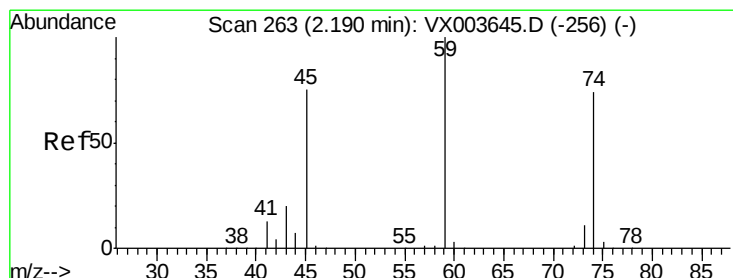
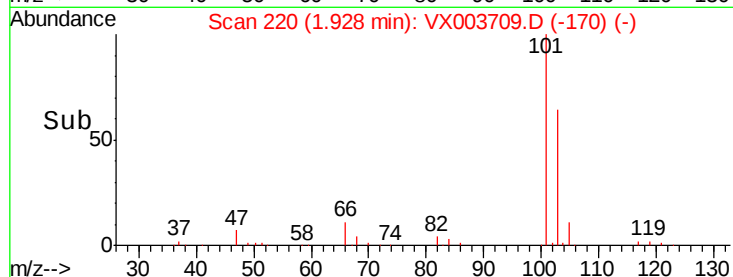
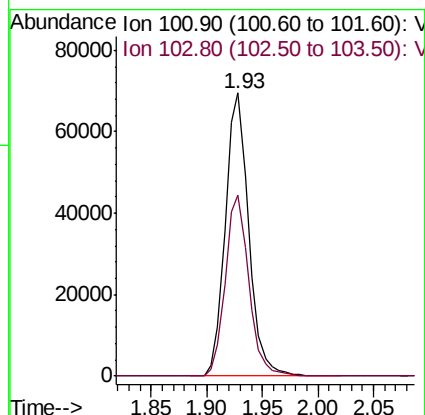
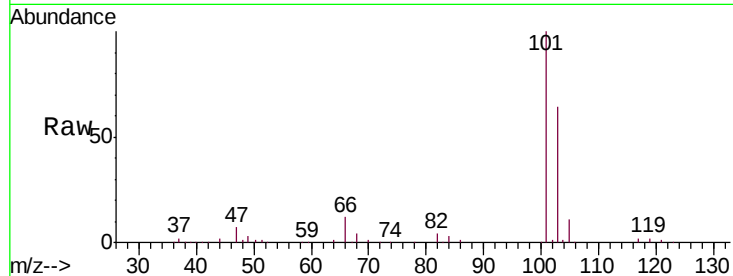
Trichlorofluoromethane
 Concen: 51.72 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MS

Tot Ion:101 Resp: 100986
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.2 79.8

Manual Integrations
 APPROVED

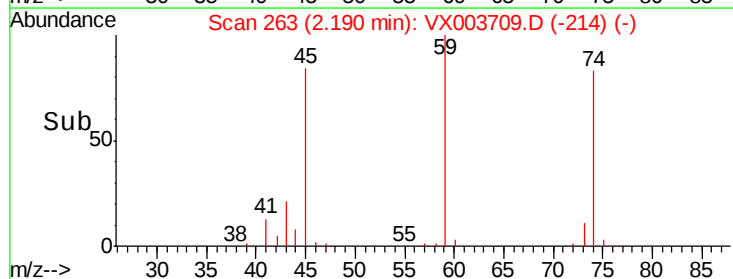
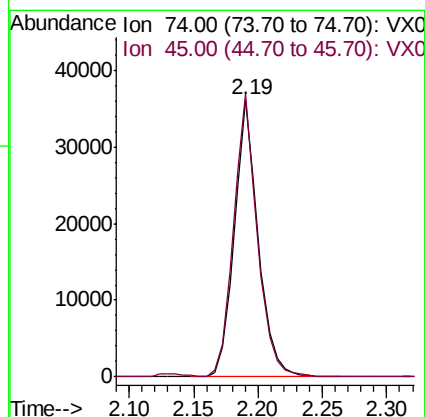
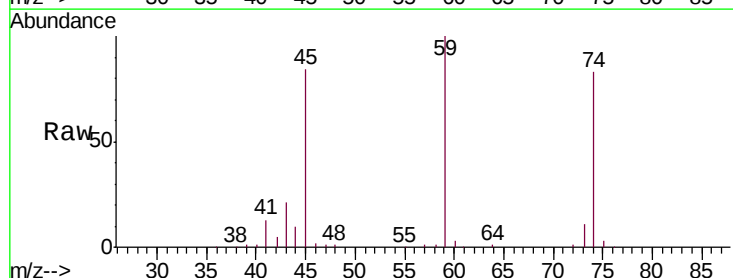
MMDadoda
 7/27/2018 5:41:16 PM

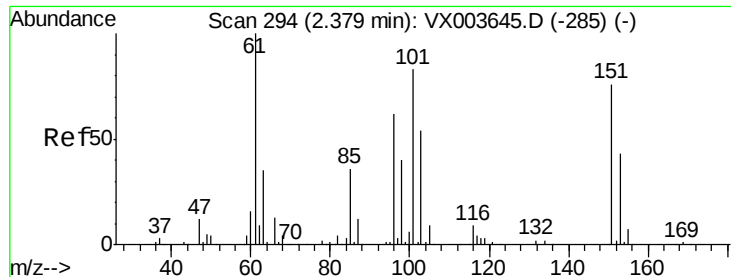


#8

Diethyl Ether
 Concen: 54.63 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion: 74 Resp: 46743
 Ion Ratio Lower Upper
 74 100
 45 101.3 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.56 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

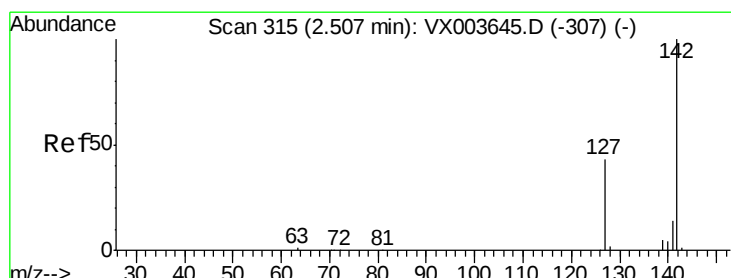
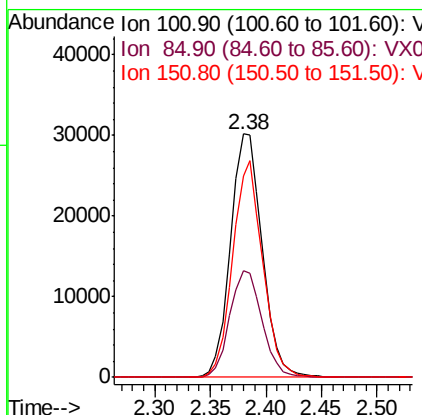
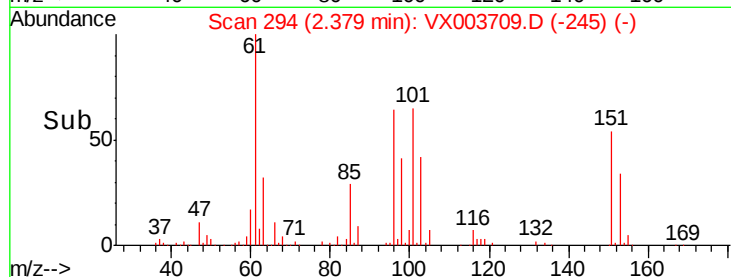
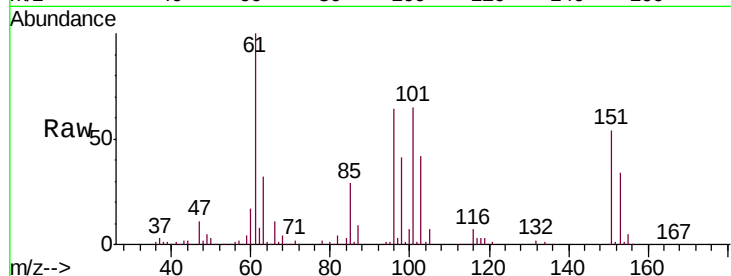
ClientSampled :

FL-0506MS

Tot Ion:	101	Resp:	59557
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.6	52.0
151	84.4	67.5	101.3

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#10

Methyl Iodide

Concen: 50.35 ug/l

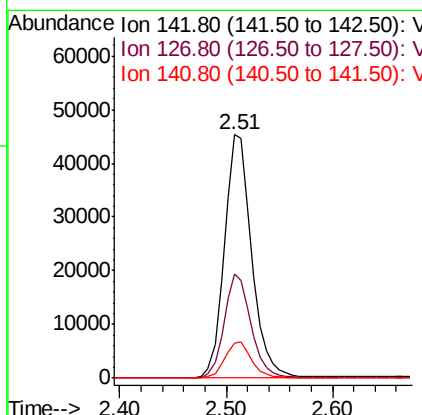
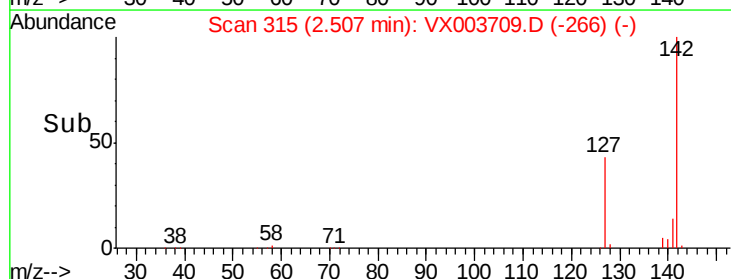
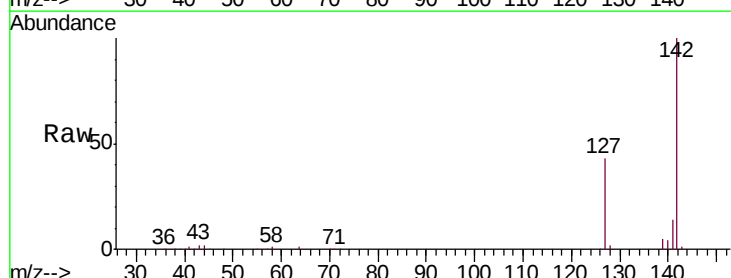
RT: 2.51 min Scan# 315

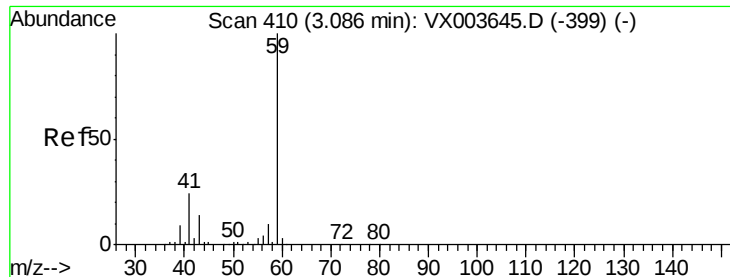
Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	142	Resp:	81600
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.0	51.0
141	14.6	11.3	16.9





#11

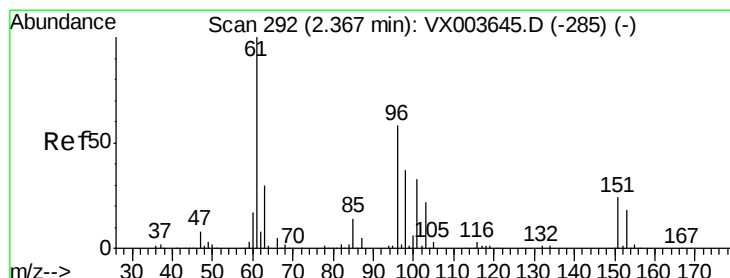
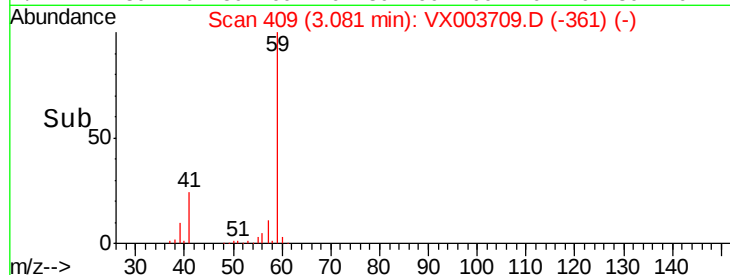
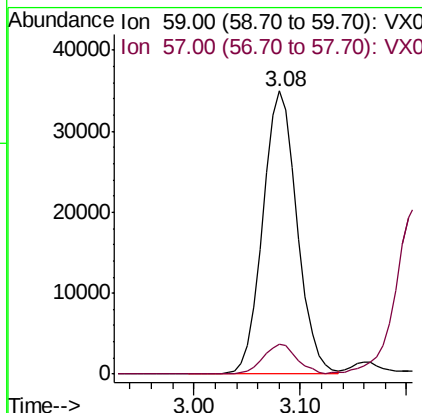
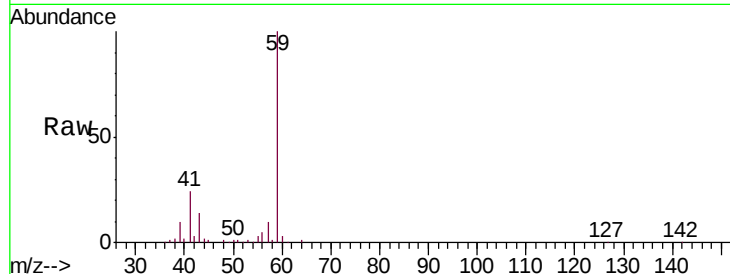
Tert butyl alcohol
 Concen: 224.94 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0506MS

Tot Ion	59.00	Resp	78738
Ion Ratio	100	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
 APPROVED

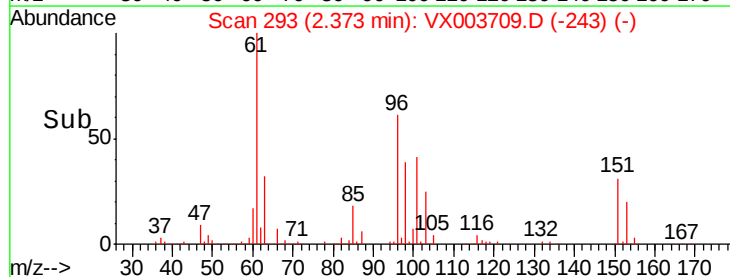
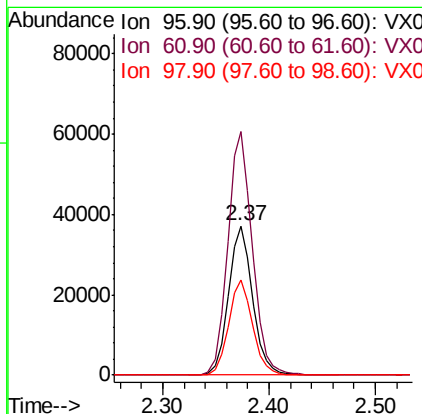
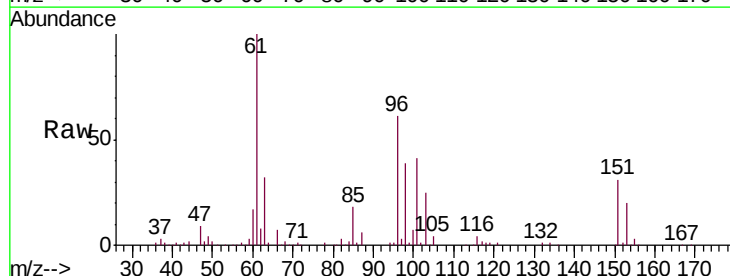
MMDadoda
 7/27/2018 5:41:16 PM

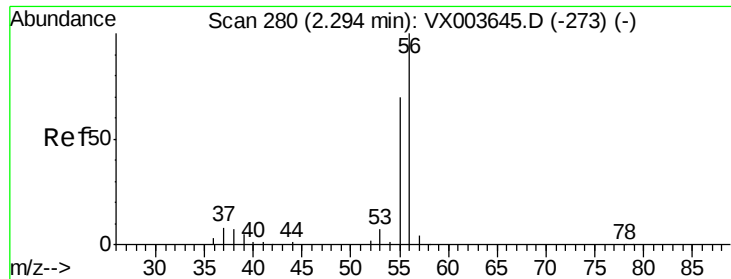


#12

1,1-Dichloroethene
 Concen: 51.35 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion	96	Resp	58720
Ion Ratio	100	Lower	Upper
96	100		
61	163.3	138.8	208.2
98	63.6	51.4	77.2





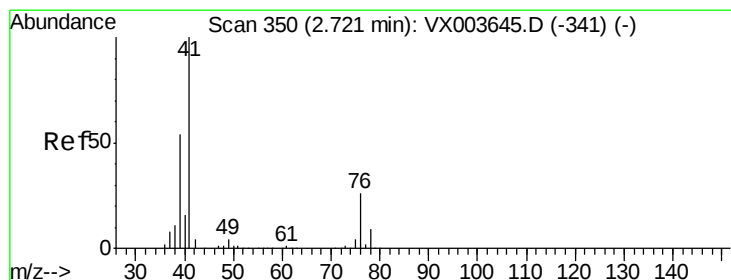
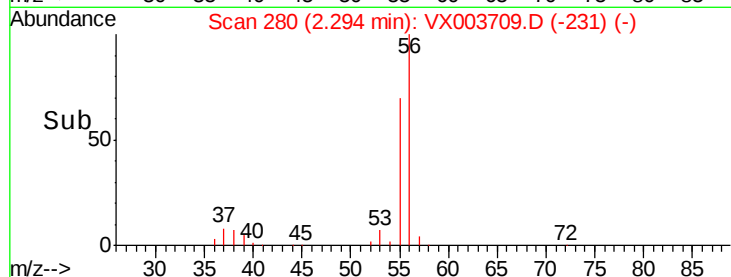
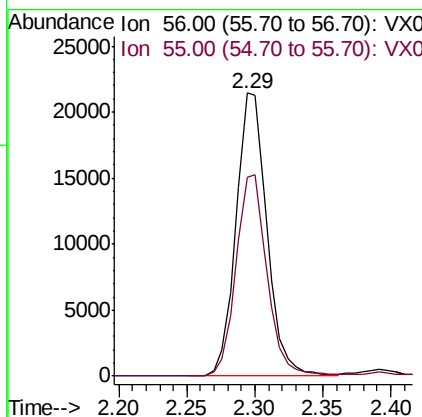
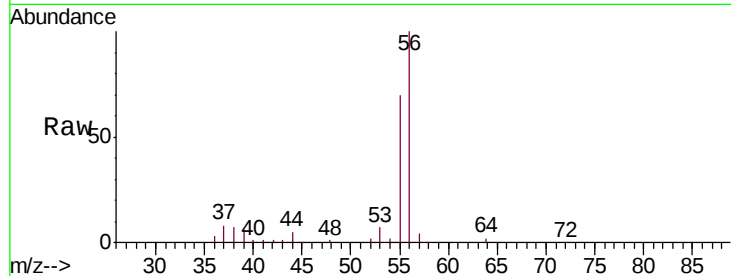
#13
Acrolein
Concen: 193.23 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	56	55	Resp	Lower	Upper
34037	100	71.3		55.4	83.2

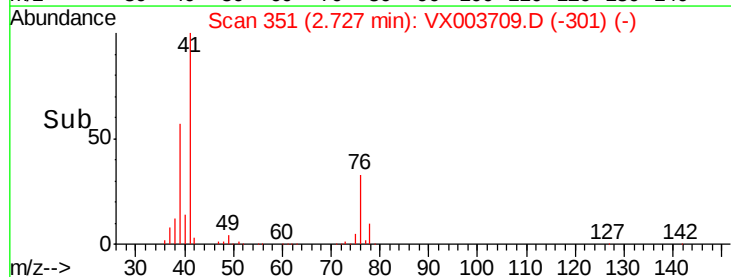
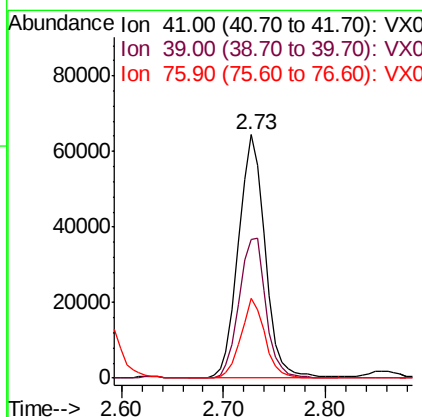
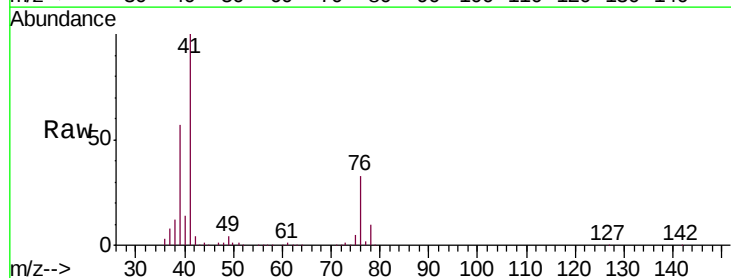
Manual Integrations
APPROVED

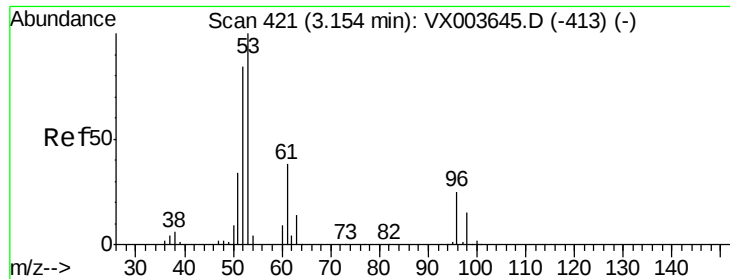
MMDadoda
7/27/2018 5:41:16 PM



#14
Allyl chloride
Concen: 48.94 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	41	39	76	Resp	Lower	Upper
116661	100	57.9	29.8		45.3	67.9





#15

Acrylonitrile

Concen: 254.92 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

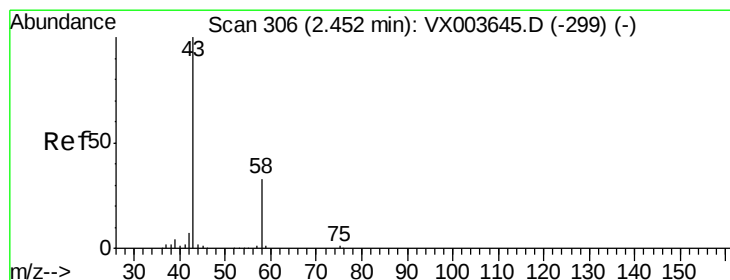
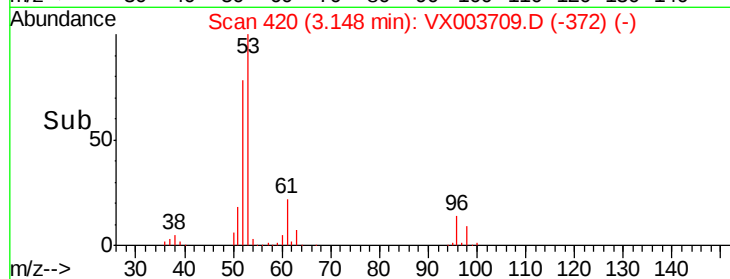
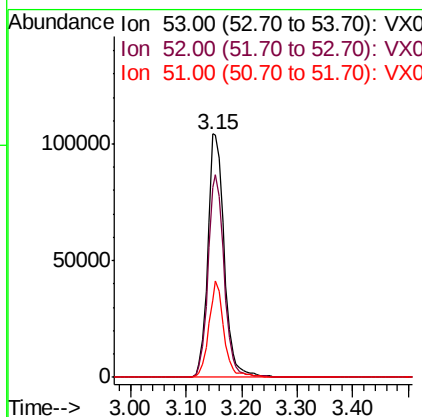
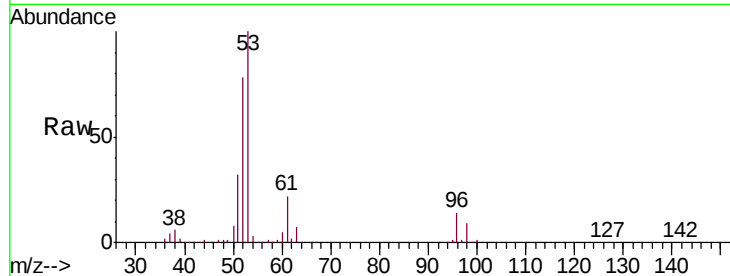
ClientSampled :

FL-0506MS

Tot Ion:	53	Resp:	215602
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.1	99.1
51	35.7	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#16

Acetone

Concen: 252.78 ug/l

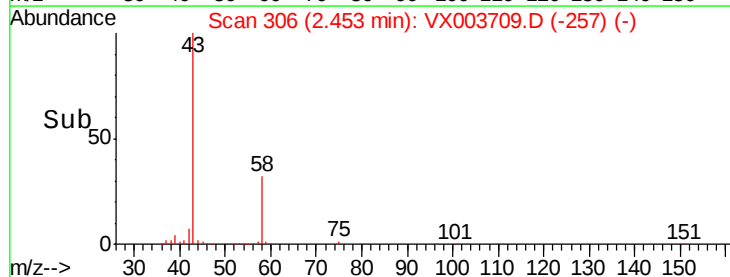
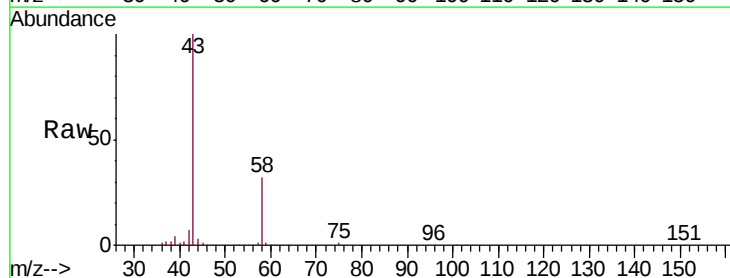
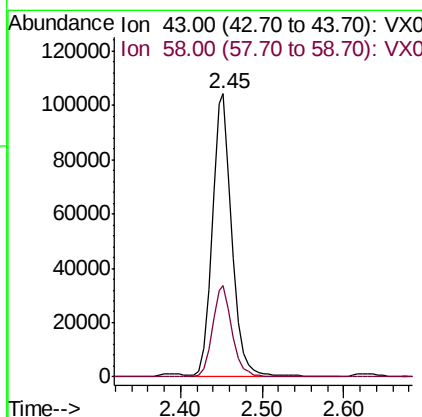
RT: 2.45 min Scan# 306

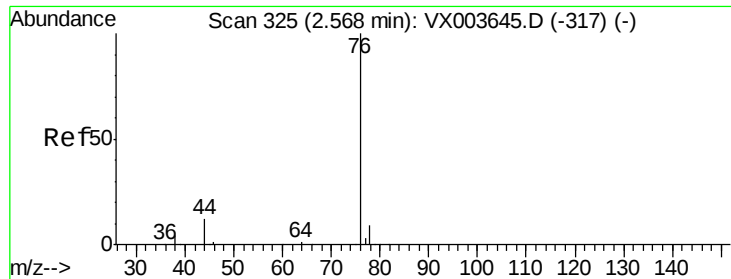
Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	43	Resp:	173903
Ion Ratio	Lower	Upper	
43	100		
58	32.1	26.1	39.1





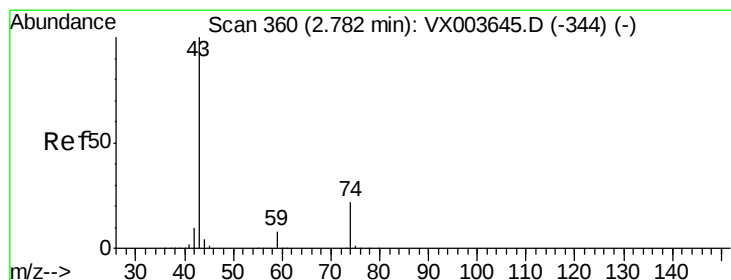
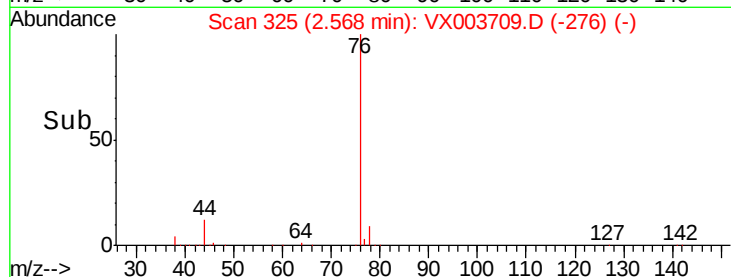
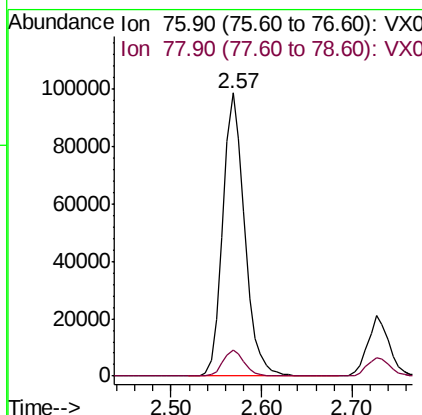
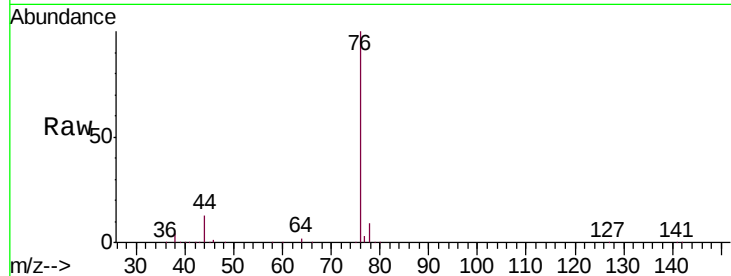
#17
Carbon Disulfide
Concen: 50.31 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

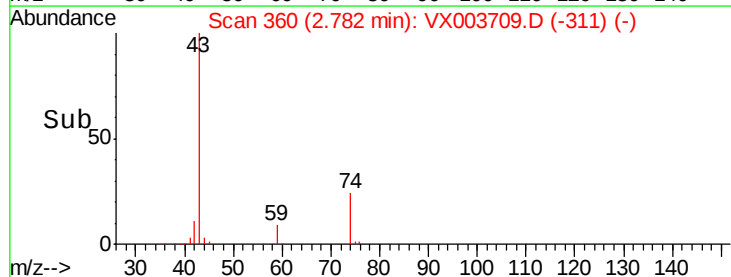
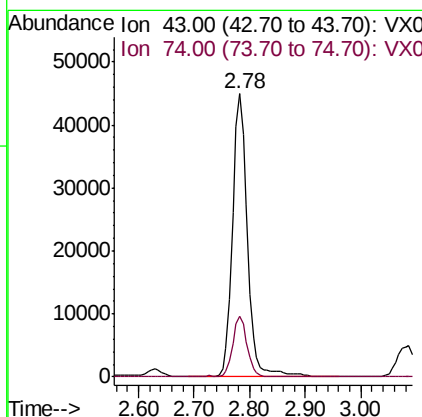
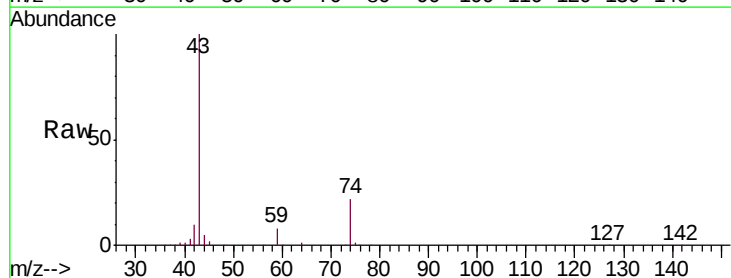
Manual Integrations
APPROVED

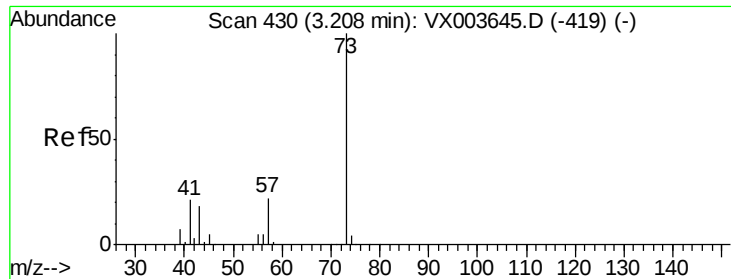
MMDadoda
7/27/2018 5:41:16 PM



#18
Methyl Acetate
Concen: 40.05 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.8





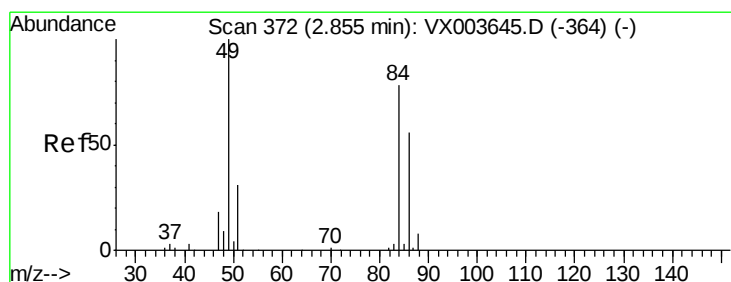
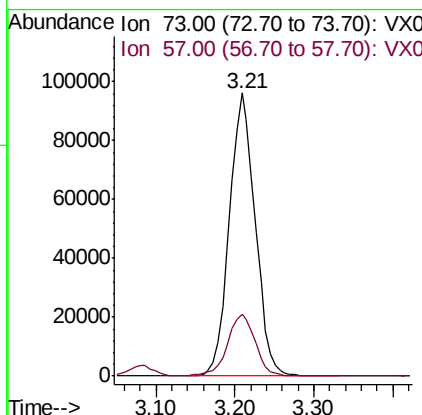
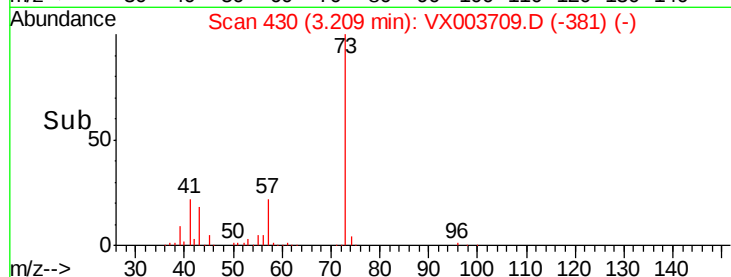
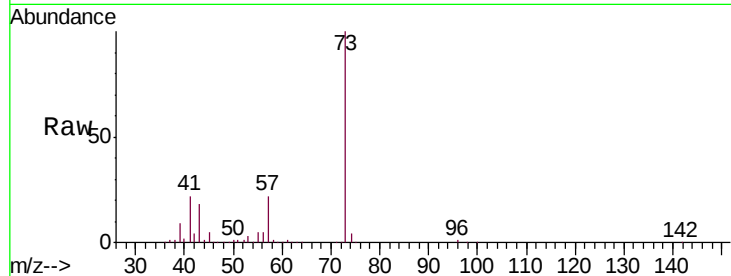
#19
Methvl tert-butvl Ether
Concen: 54.21 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion: 73 Resp: 218899
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2

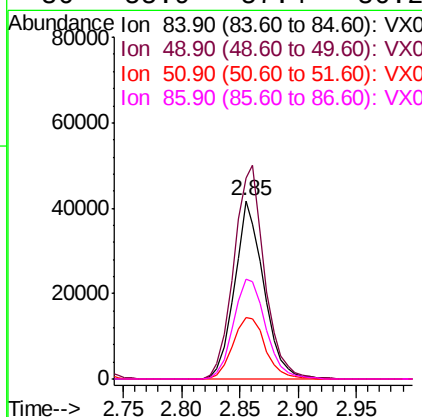
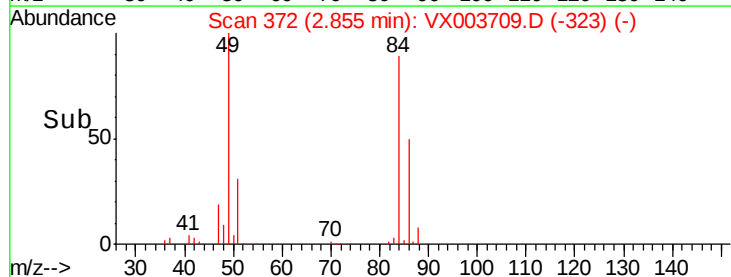
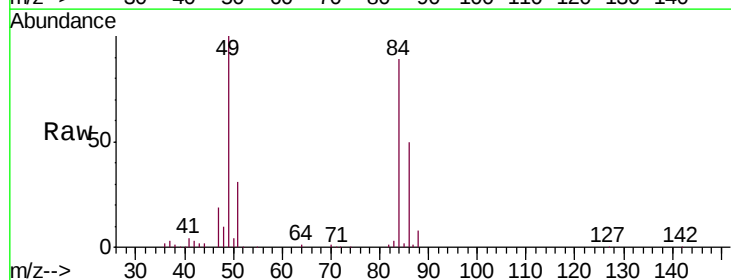
Manual Integrations
APPROVED

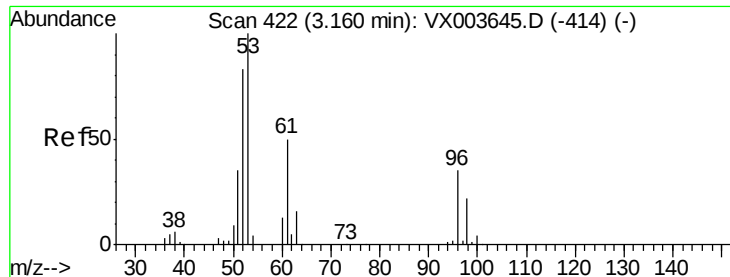
MMDadoda
7/27/2018 5:41:16 PM



#20
Methylene Chloride
Concen: 53.49 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion: 84 Resp: 72911
Ion Ratio Lower Upper
84 100
49 112.2 102.3 153.5
51 34.7 31.8 47.8
86 55.9 57.4 86.2#





#21

trans-1,2-Dichloroethene

Concen: 52.48 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion: 96 Resp: 64522

Ion Ratio Lower Upper

96 100

61 141.7 115.0 172.4

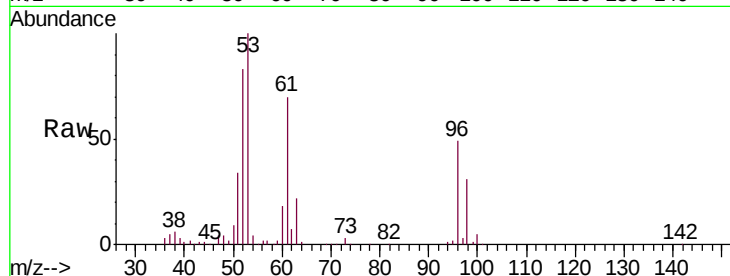
98 63.1 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM

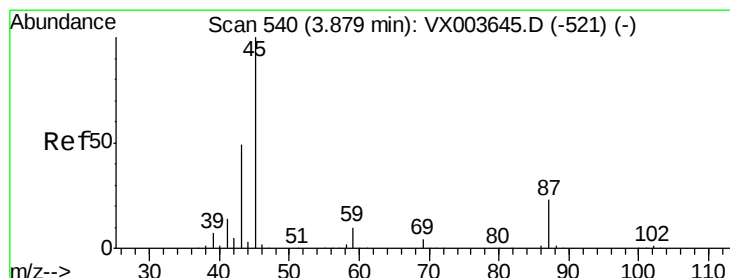
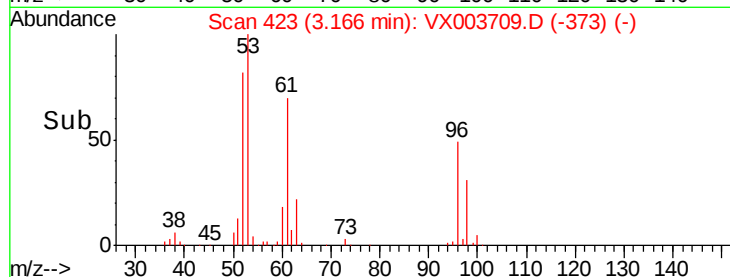
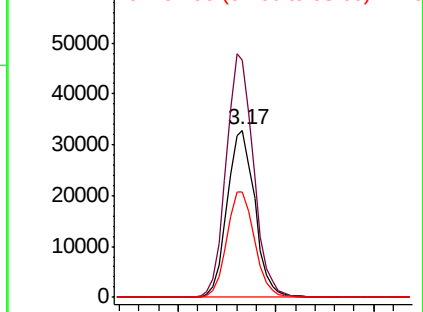


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.51 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion: 45 Resp: 219814

Ion Ratio Lower Upper

45 100

43 50.2 39.0 58.4

87 26.6 18.4 27.6

59 11.2 7.8 11.8

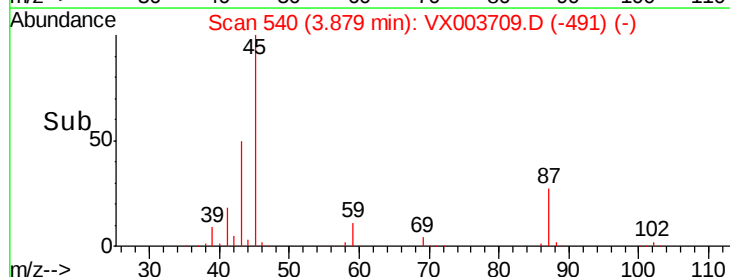
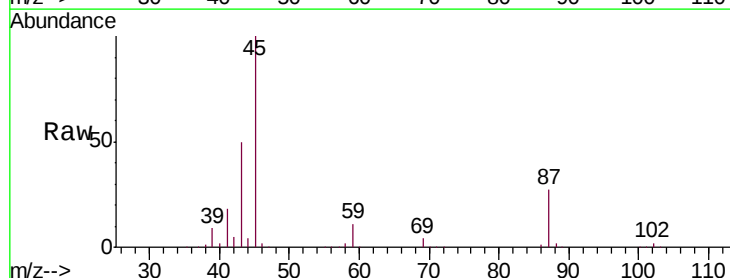
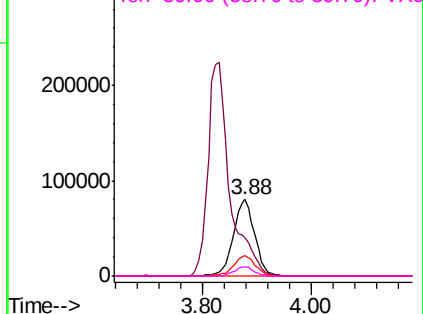
Abundance

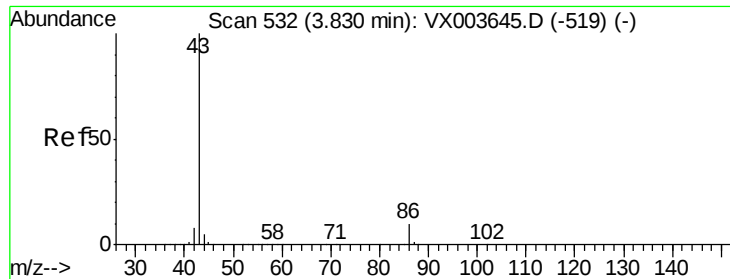
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 167.12 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion: 43 Resp: 623042

Ion Ratio Lower Upper

43 100

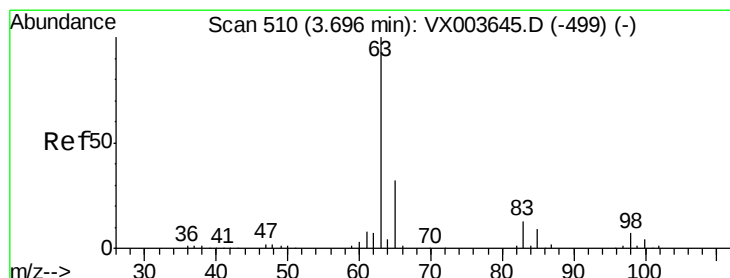
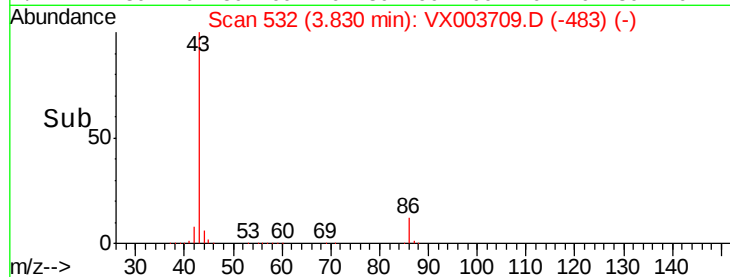
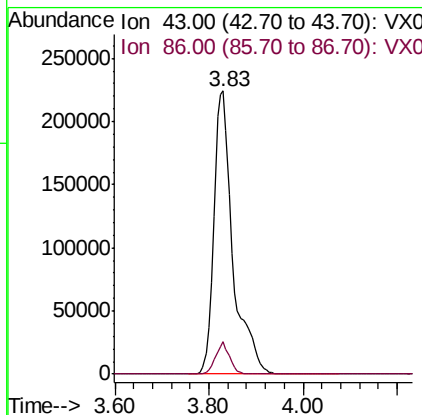
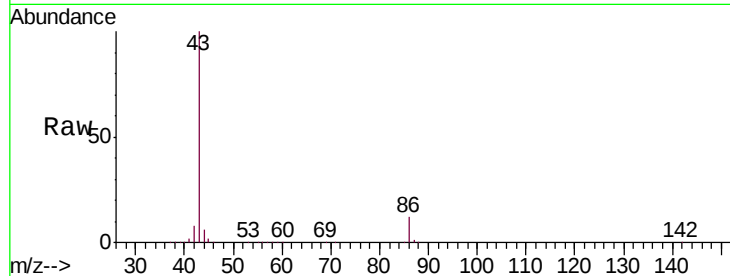
86 11.7 7.7 11.5#

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#24

1,1-Dichloroethane

Concen: 53.33 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

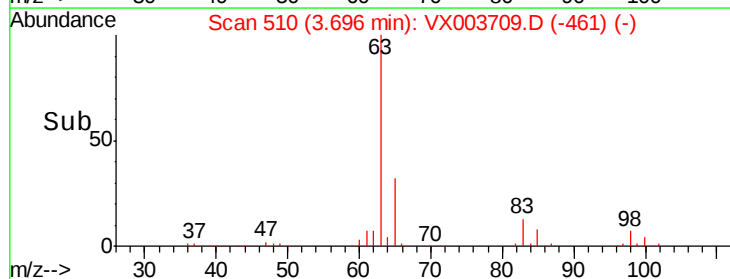
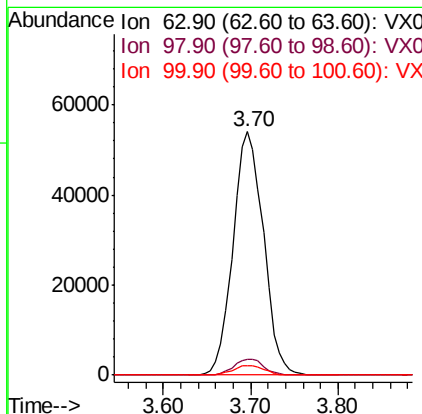
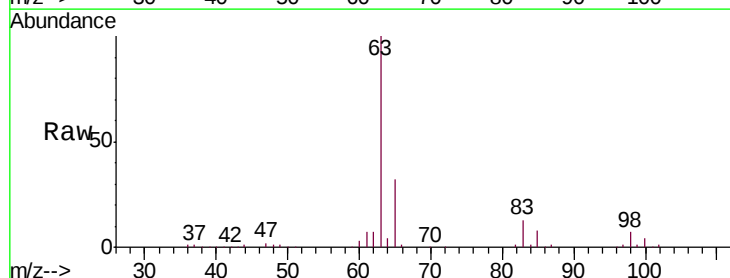
Tgt Ion: 63 Resp: 130820

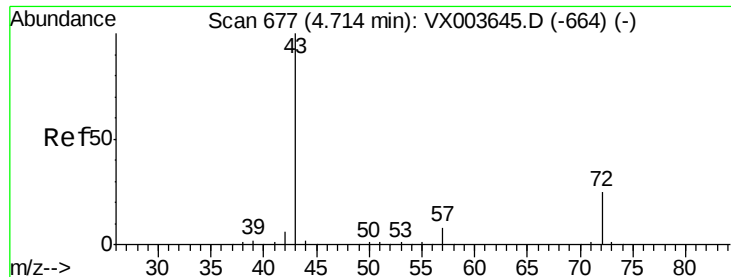
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 250.62 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion: 43 Resp: 266358

Ion Ratio Lower Upper

43 100

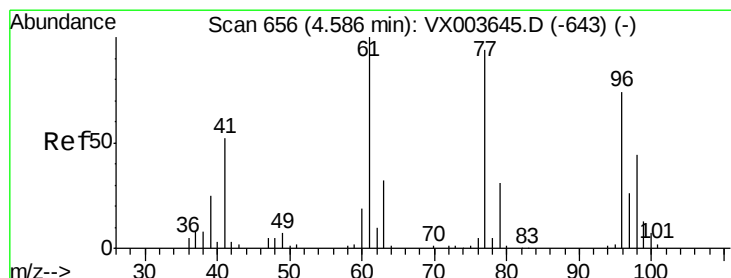
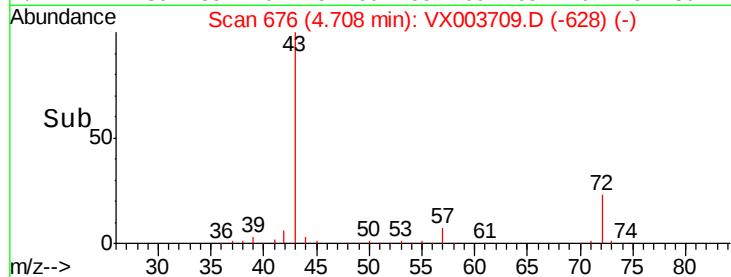
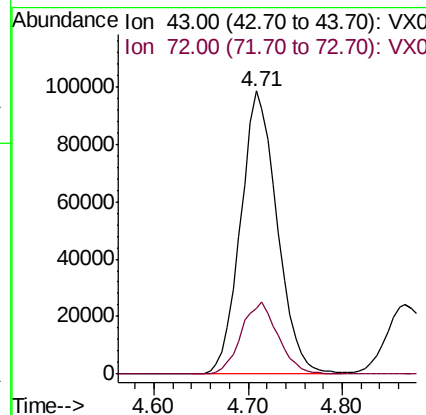
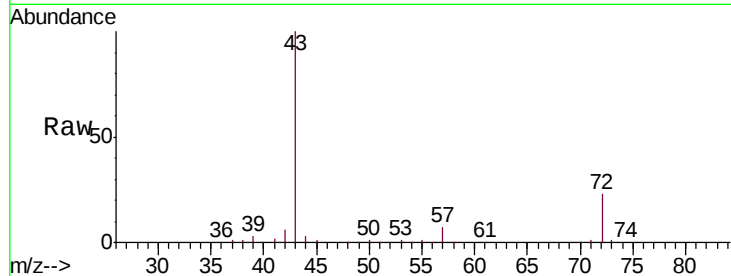
72 23.5 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#26

2,2-Dichloropropane

Concen: 23.24 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003709.D

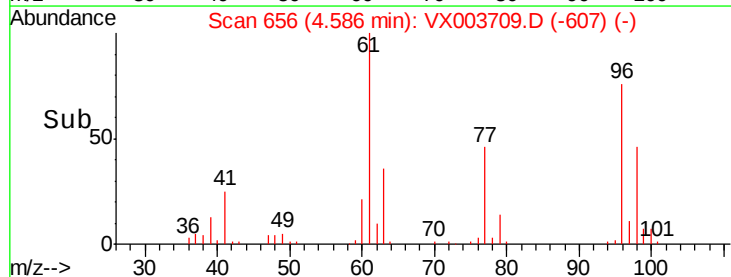
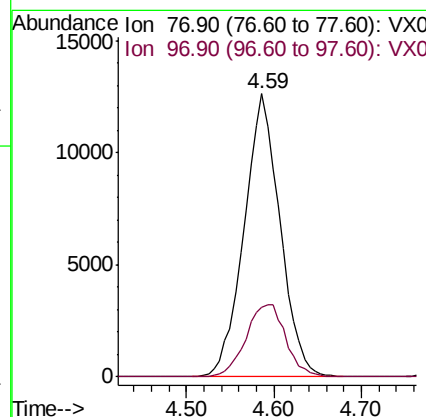
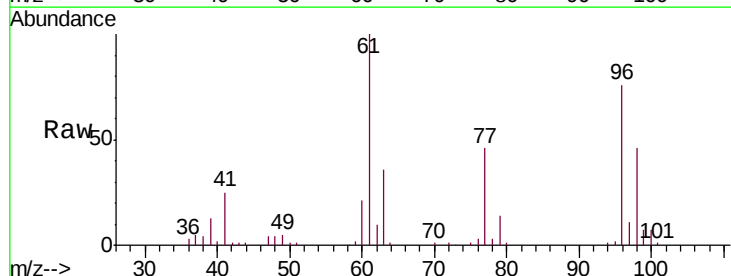
Acq: 27 Jul 2018 10:00

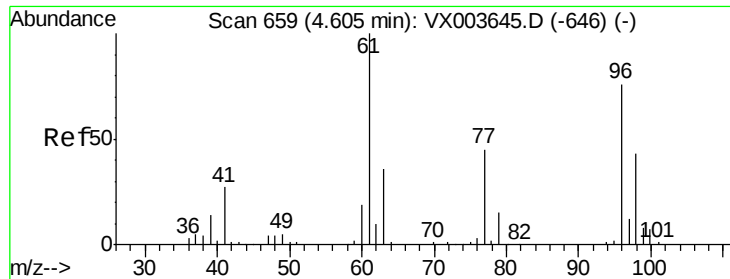
Tgt Ion: 77 Resp: 36043

Ion Ratio Lower Upper

77 100

97 28.3 12.0 36.0





#27

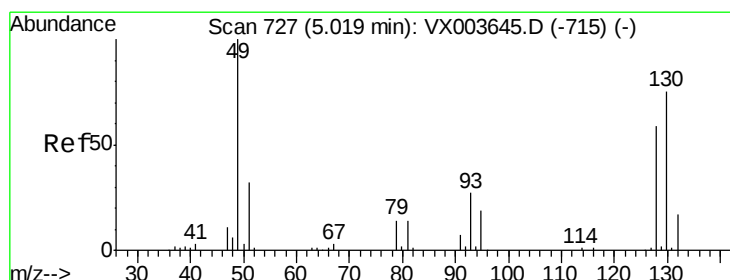
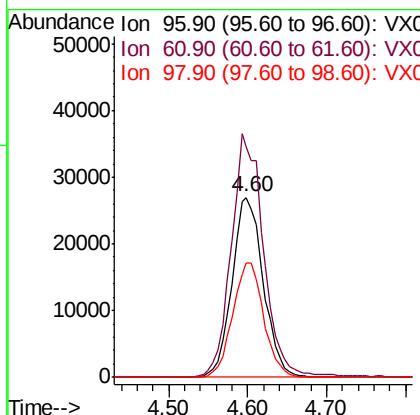
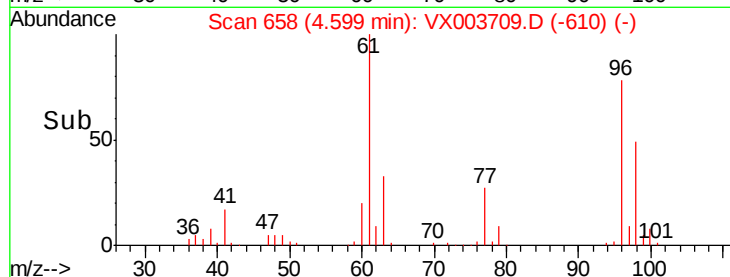
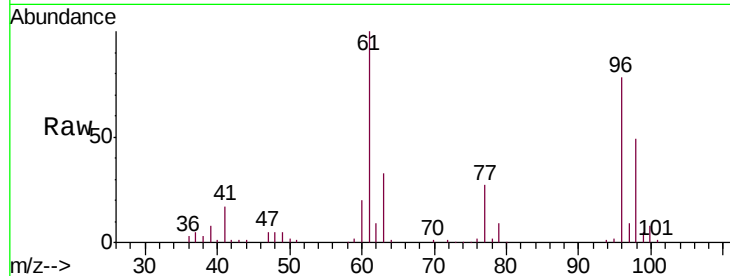
cis-1,2-Dichloroethene
Concen: 55.49 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	313.6
98	63.1	0.0	125.6

Manual Integrations
APPROVED

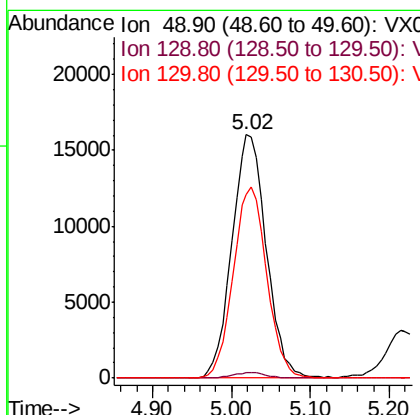
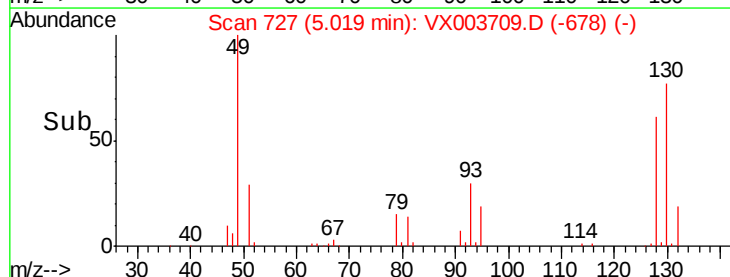
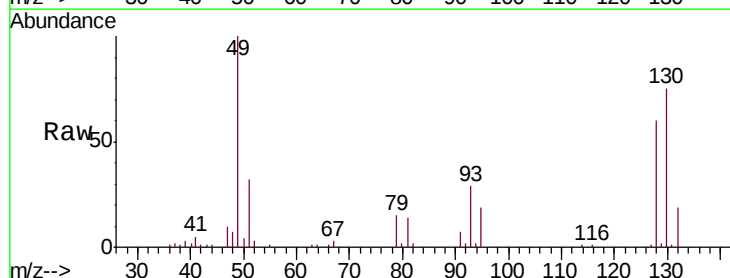
MMDadoda
7/27/2018 5:41:16 PM

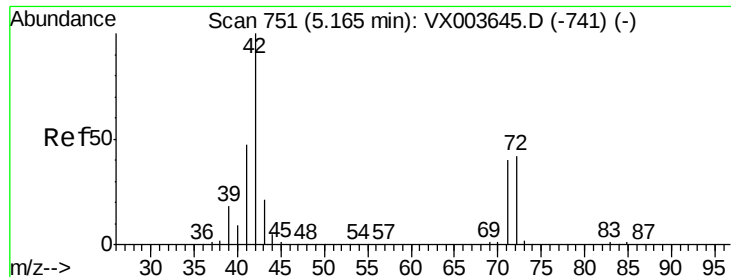


#28

Bromochloromethane
Concen: 49.47 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.1	61.0	91.6





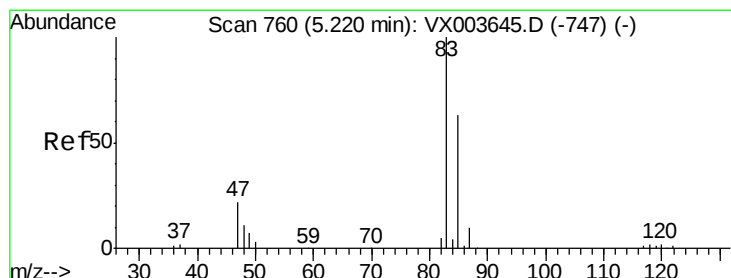
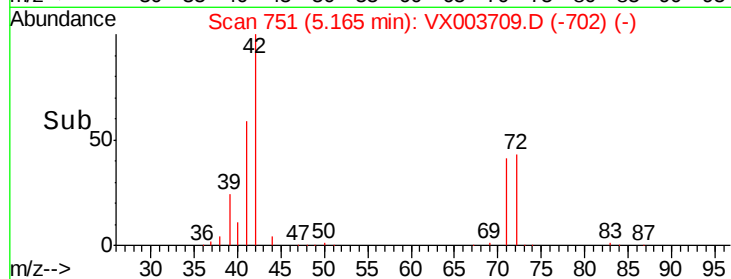
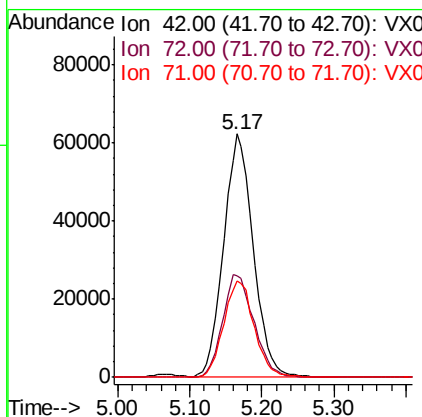
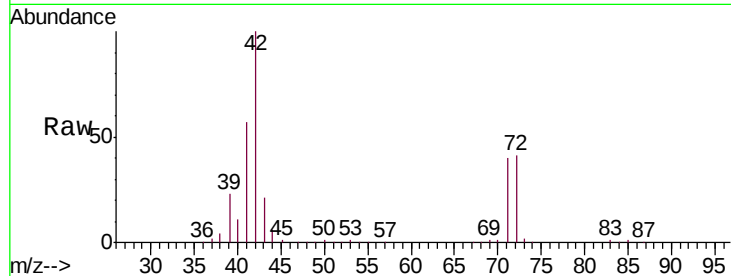
#29
Tetrahydrofuran
Concen: 256.72 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	33.4	50.0
71	41.2	31.0	46.6

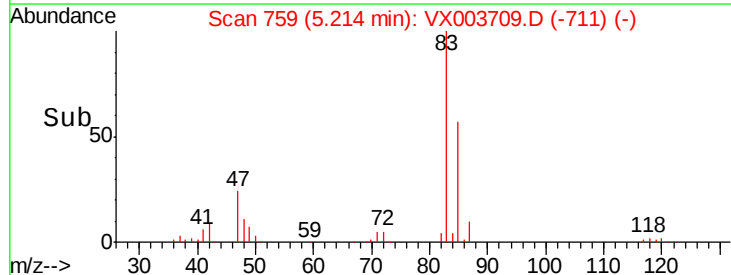
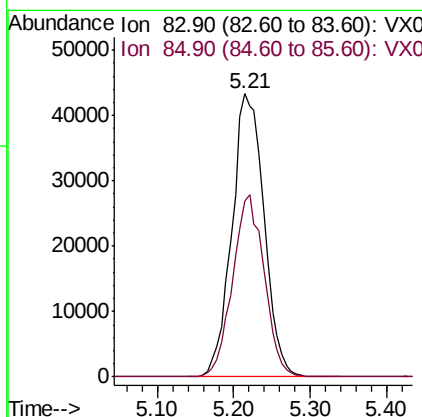
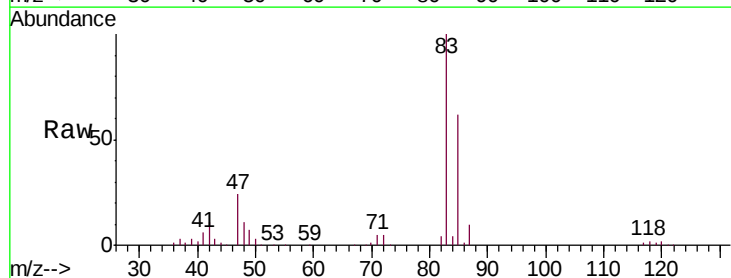
Manual Integrations
APPROVED

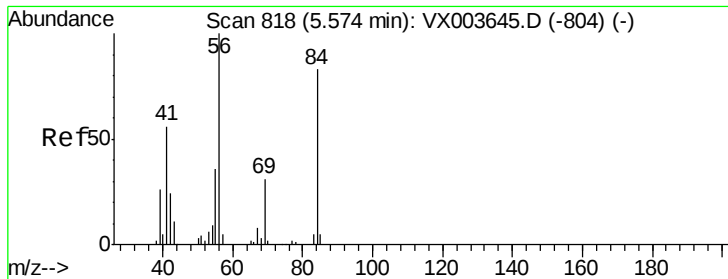
MMDadoda
7/27/2018 5:41:16 PM



#30
Chloroform
Concen: 56.84 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.2	75.4





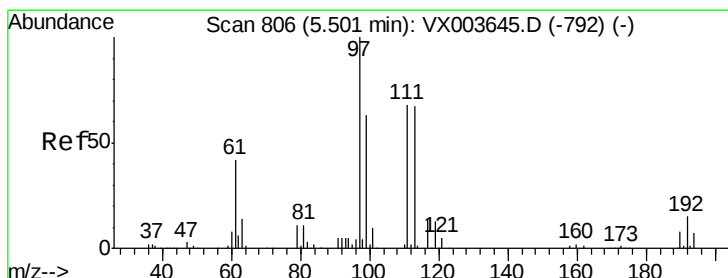
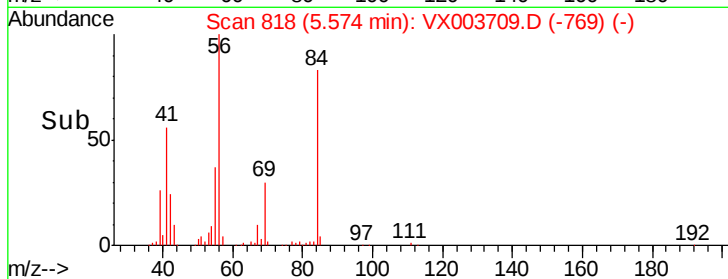
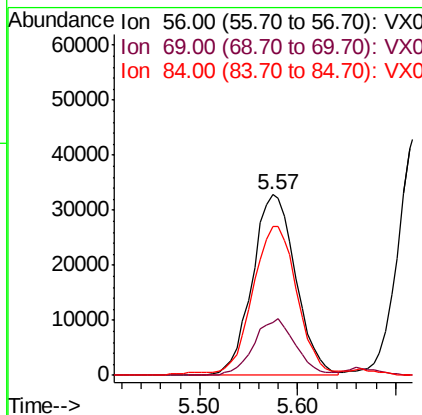
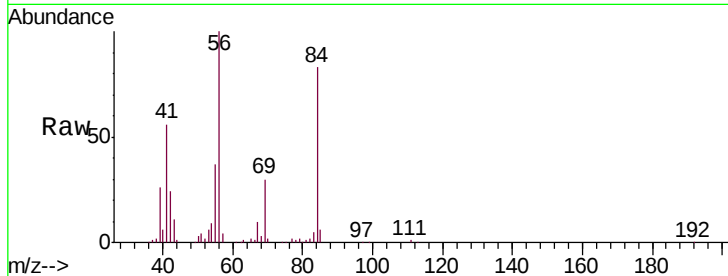
#31
Cyclohexane
Concen: 51.66 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.0	37.6
84	81.3	66.5	99.7

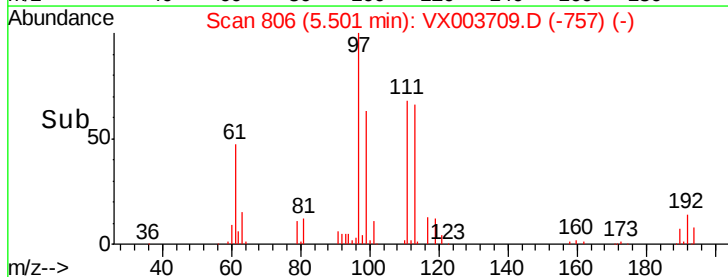
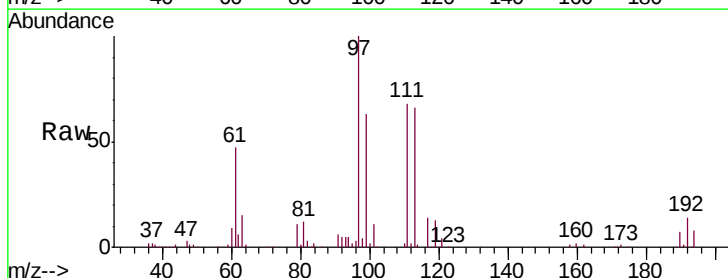
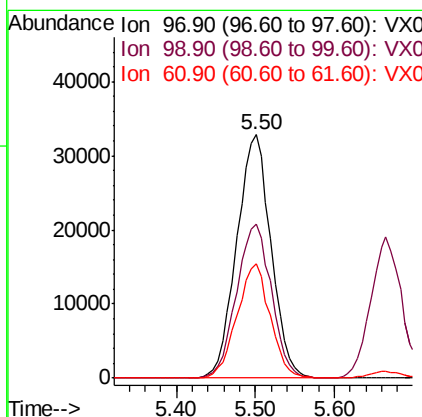
Manual Integrations
APPROVED

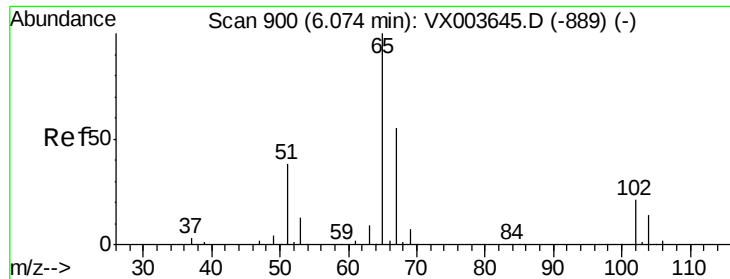
MMDadoda
7/27/2018 5:41:16 PM



#32
1,1,1-Trichloroethane
Concen: 53.69 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.4	75.6
61	45.5	34.5	51.7





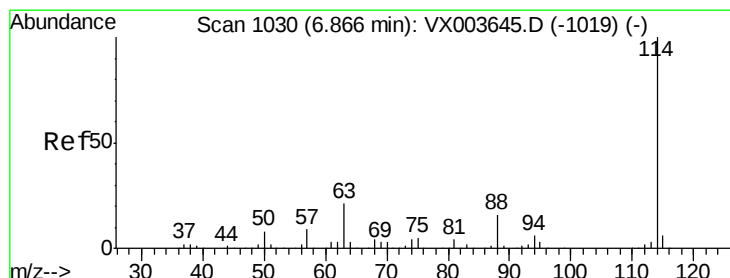
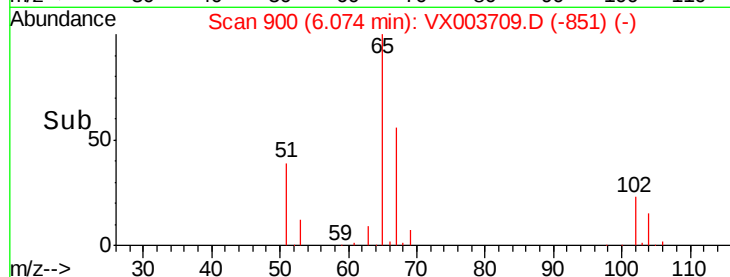
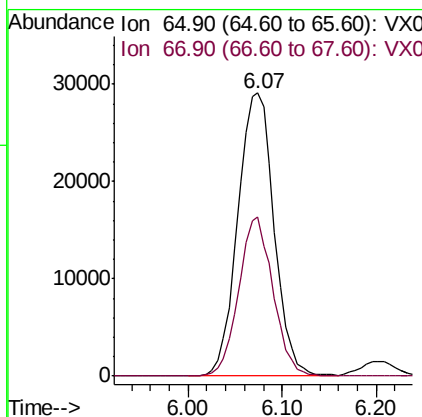
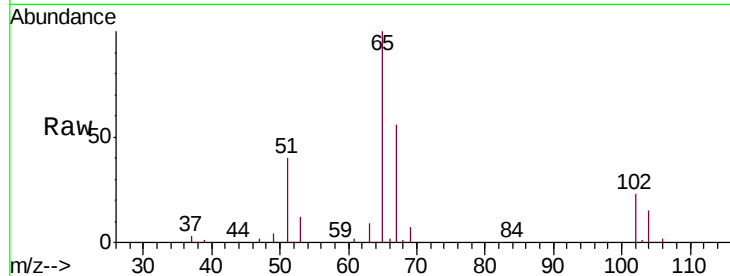
#33
 1,2-Dichloroethane-d4
 Concen: 53.52 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.8

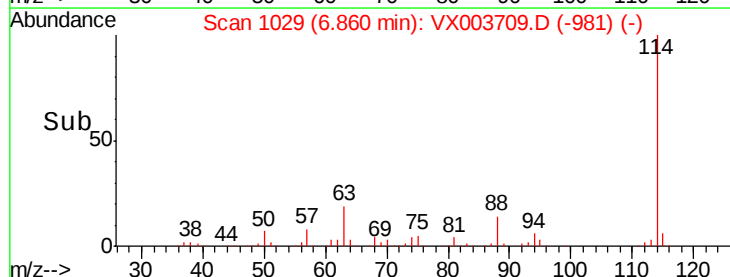
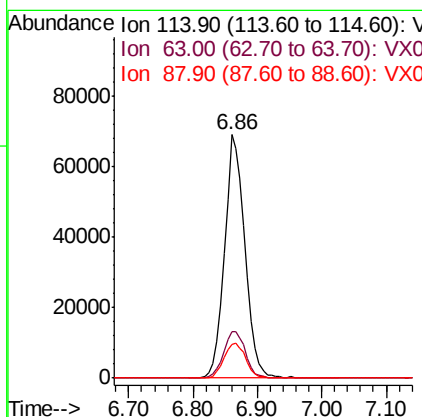
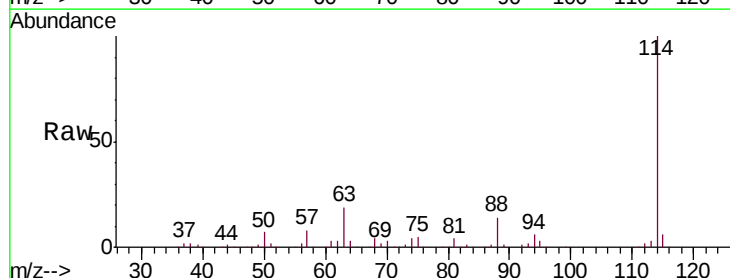
Manual Integrations
 APPROVED

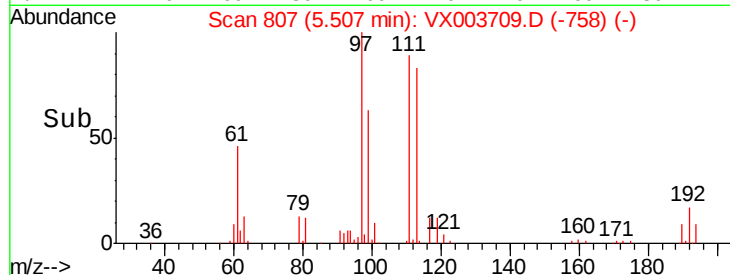
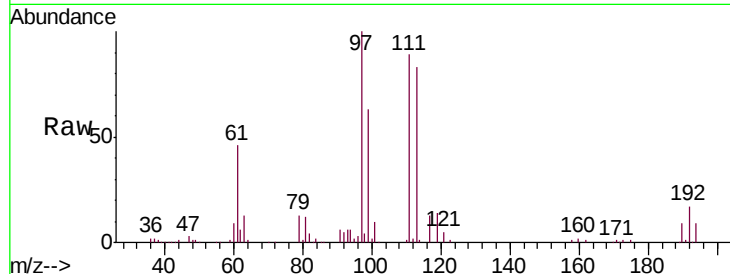
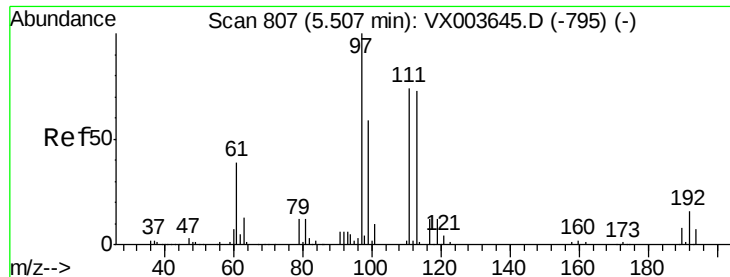
MMDadoda
 7/27/2018 5:41:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.0
88	13.9	0.0	31.8





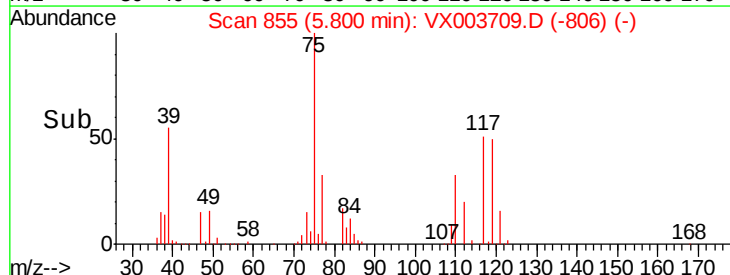
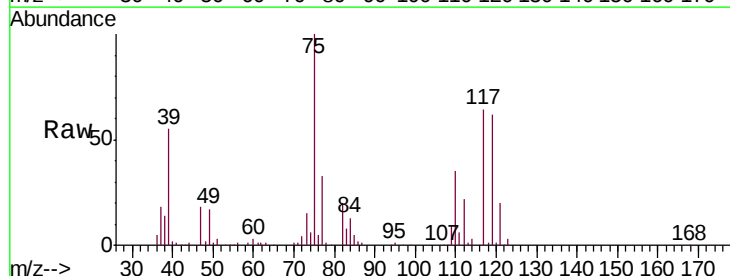
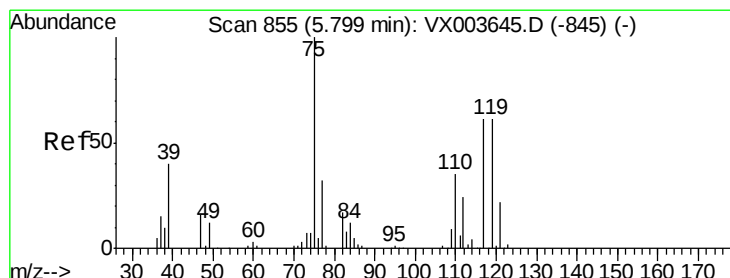
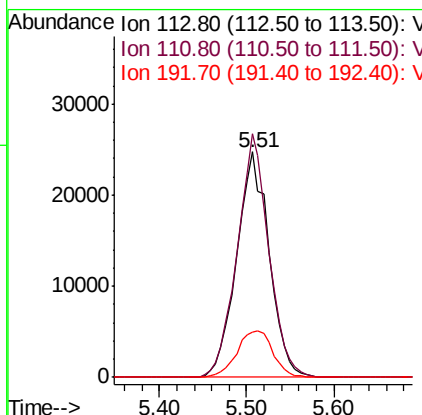
#35
Dibromofluoromethane
Concen: 50.95 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	64166		
111	104.4	81.2	121.8	
192	22.6	18.2	27.4	

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

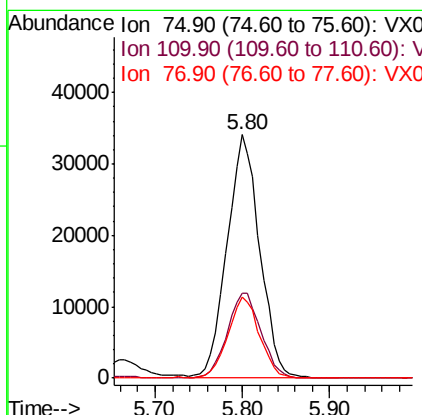
Manual Integrations
APPROVED

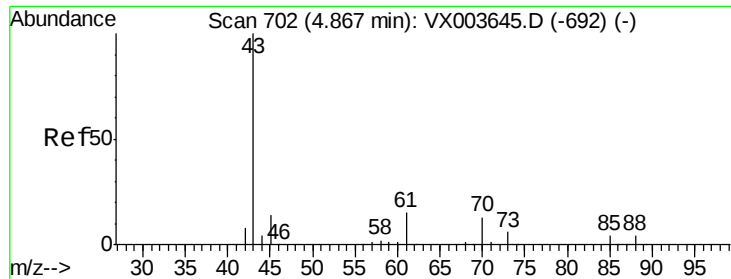
MMDadoda
7/27/2018 5:41:16 PM



#36
1,1-Dichloropropene
Concen: 49.26 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88700		
110	35.8	18.1	54.1	
77	32.1	25.1	37.7	





#37

Ethyl Acetate

Concen: 33.05 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

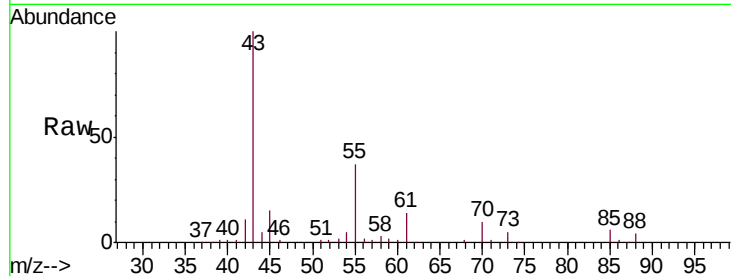
ClientSampled :

FL-0506MS

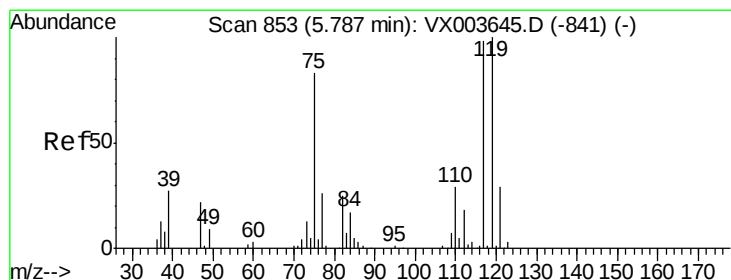
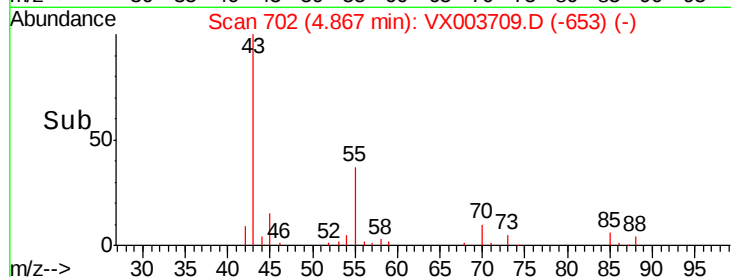
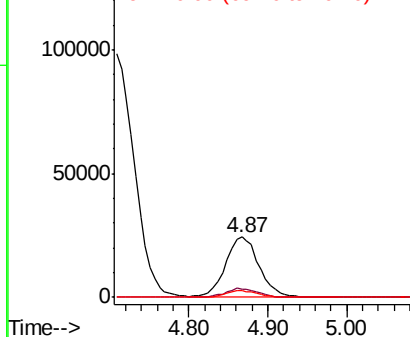
Tot Ion:	43	Resp:	71567
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 51.16 ug/l

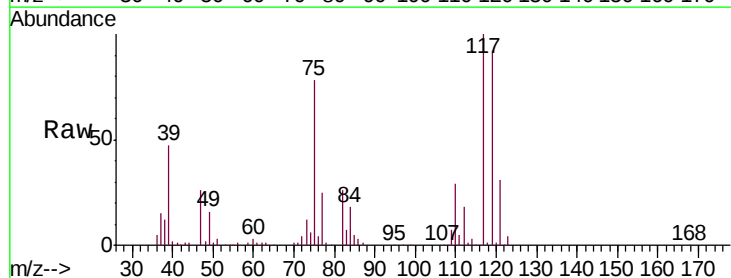
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

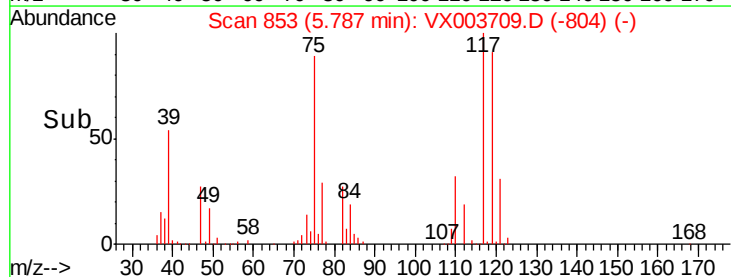
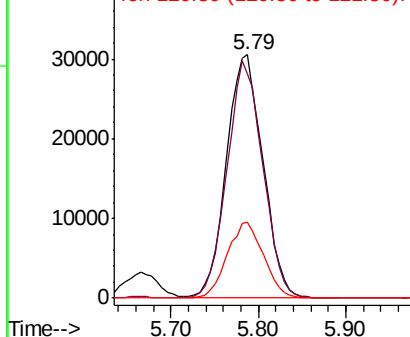
Lab File: VX003709.D

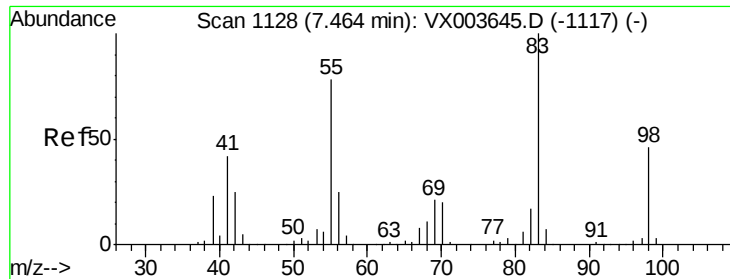
Acq: 27 Jul 2018 10:00

Tgt Ion:	117	Resp:	88791
Ion	Ratio	Lower	Upper
117	100		
119	92.2	81.0	121.4
121	31.3	23.7	35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





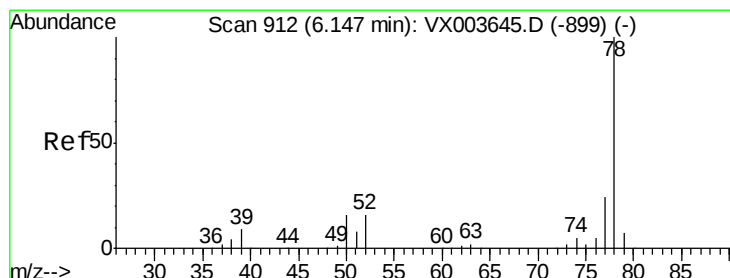
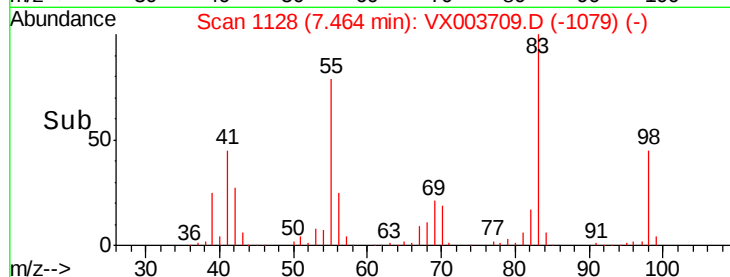
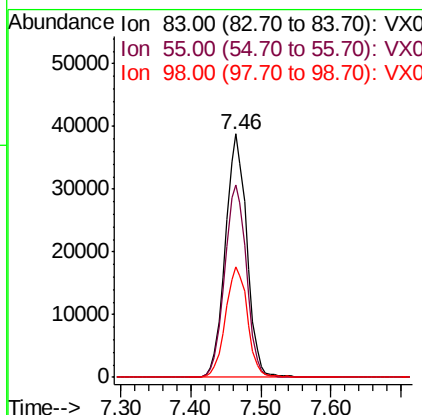
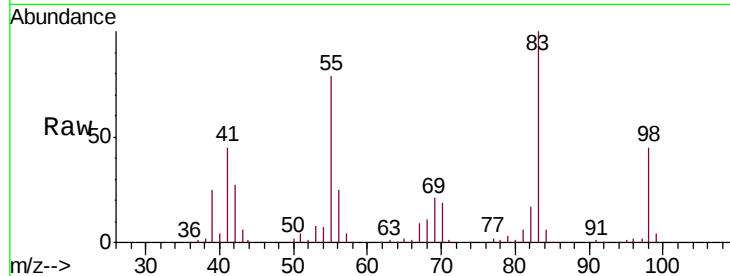
#39
Methvlcvclohexane
Concen: 41.86 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.6	93.8
98	45.2	36.6	55.0

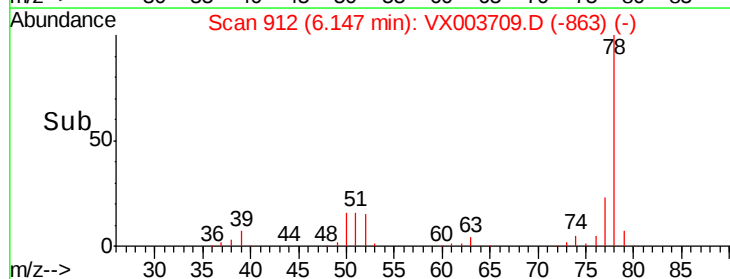
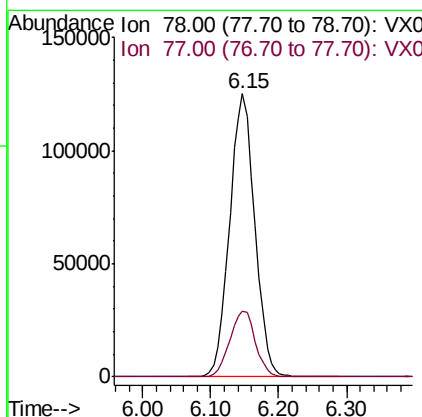
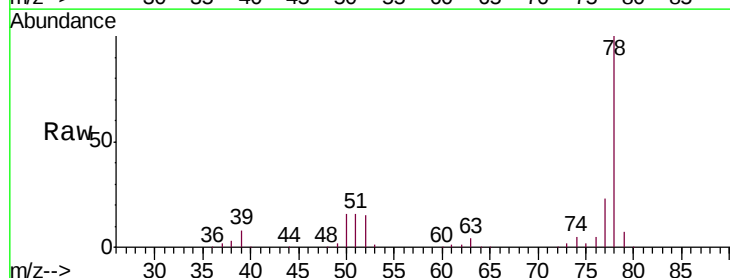
Manual Integrations
APPROVED

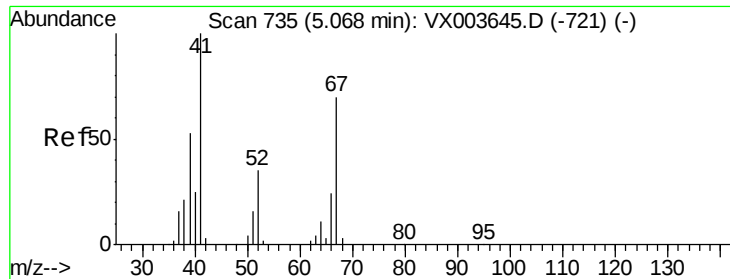
MMDadoda
7/27/2018 5:41:16 PM



#40
Benzene
Concen: 60.14 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6





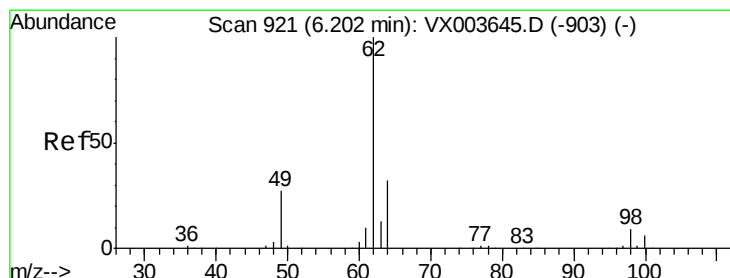
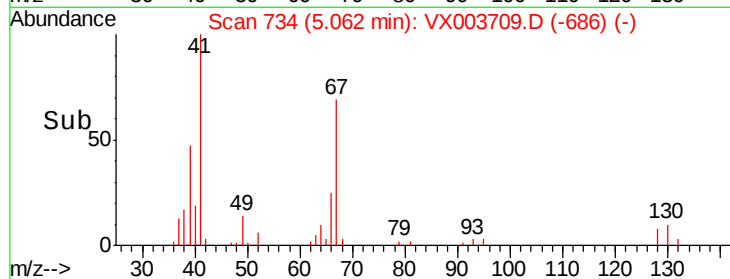
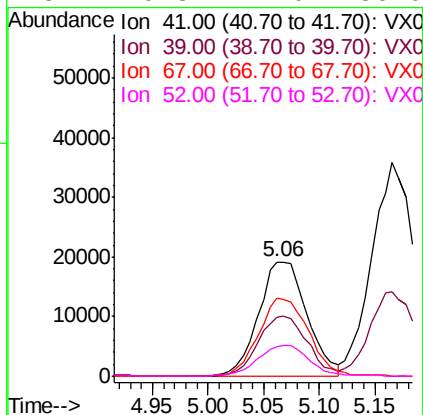
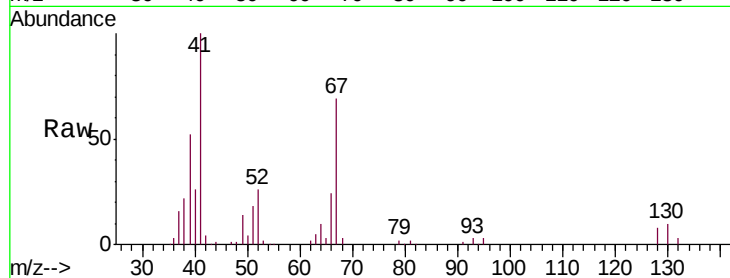
#41
Methacrylonitrile
Concen: 48.63 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.2	63.4	
67	70.1	56.6	84.8	
52	29.3	24.0	36.0	

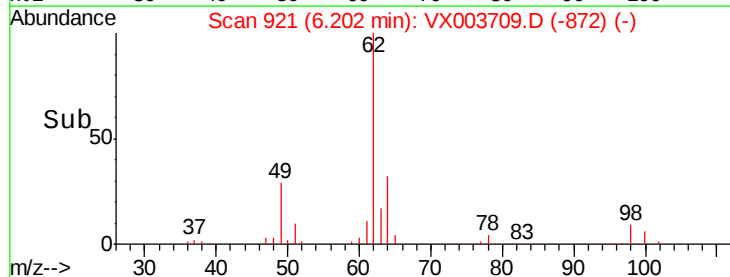
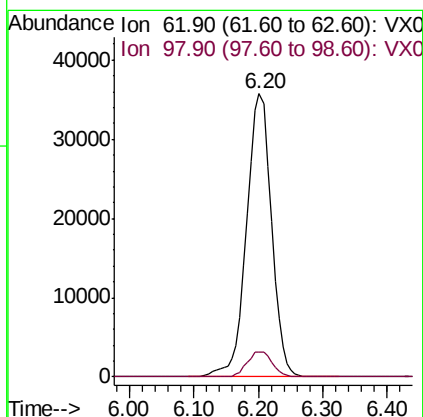
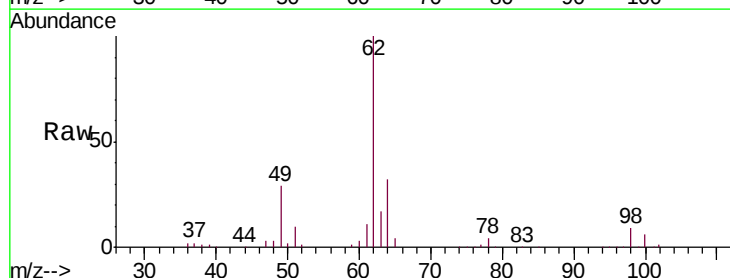
Manual Integrations
APPROVED

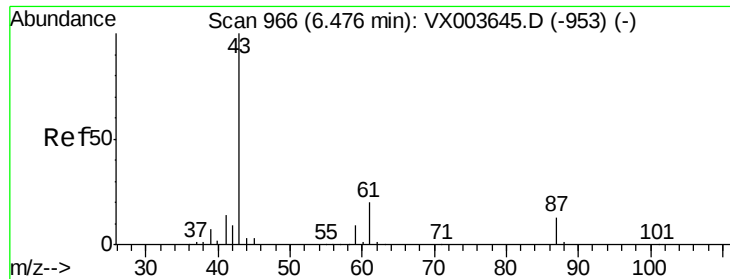
MMDadoda
7/27/2018 5:41:16 PM



#42
1,2-Dichloroethane
Concen: 50.51 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

Isopropyl Acetate

Concen: 41.54 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

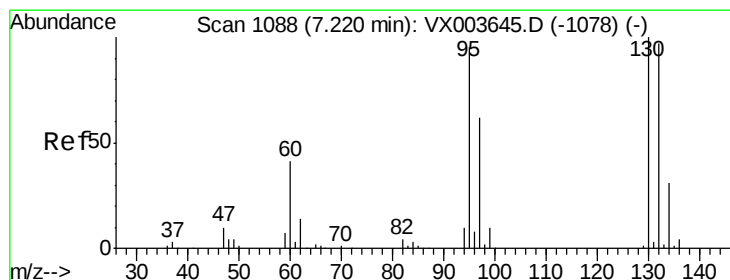
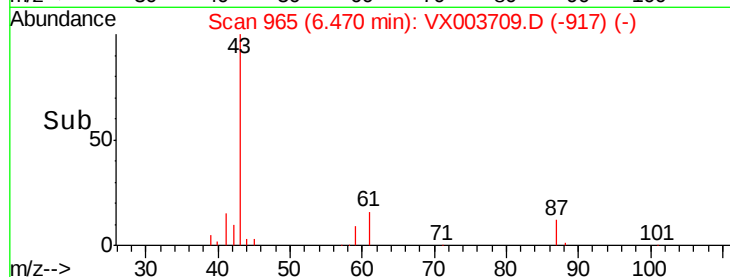
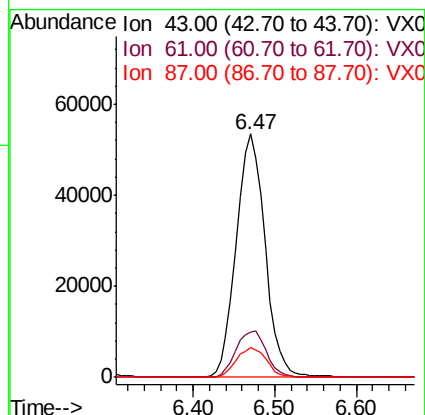
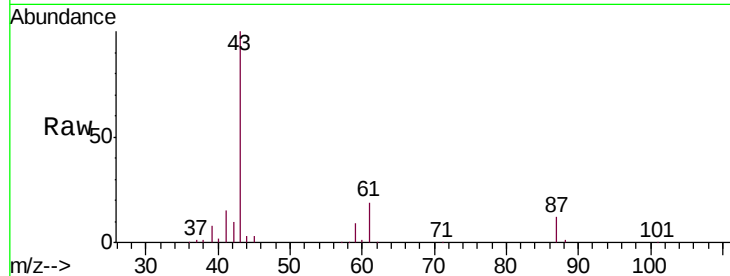
ClientSampleId :

FL-0506MS

Tot Ion:	43	Resp:	131201
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.9	23.9
87	12.9	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#44

Trichloroethene

Concen: 43.57 ug/l

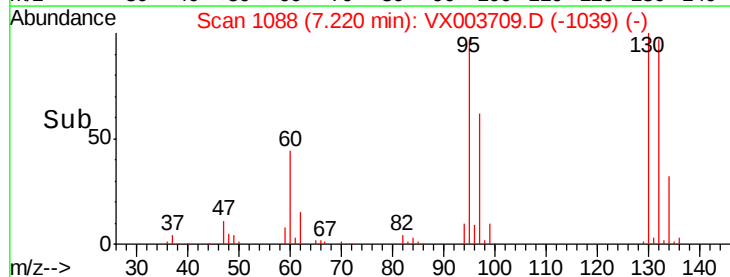
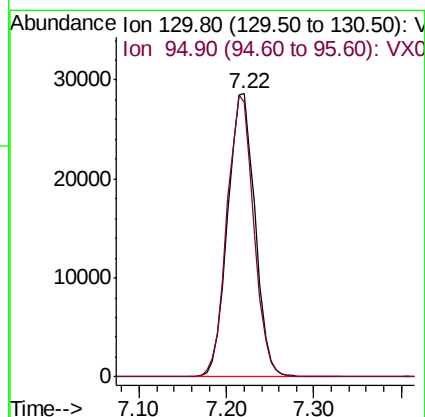
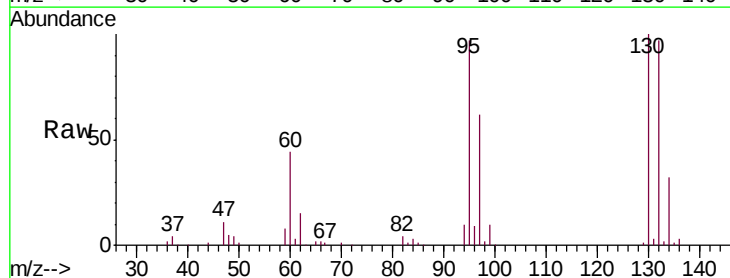
RT: 7.22 min Scan# 1088

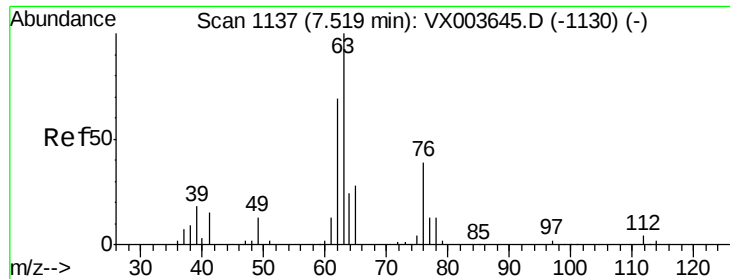
Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	130	Resp:	62245
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	190.0





#45

1,2-Dichloropropane

Concen: 46.66 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MS

Tot Ion: 63 Resp: 64271

Ion Ratio Lower Upper

63 100

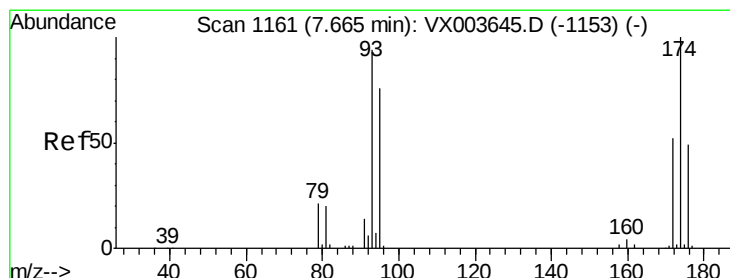
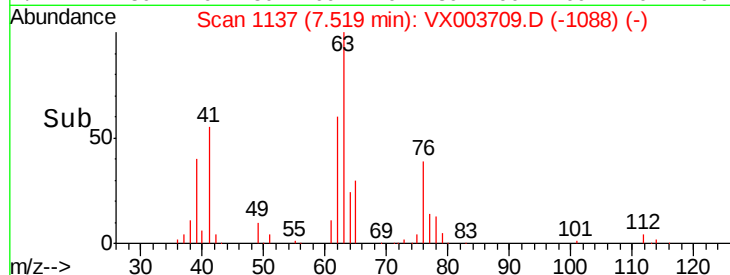
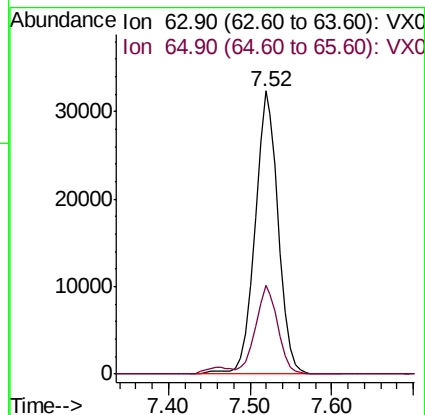
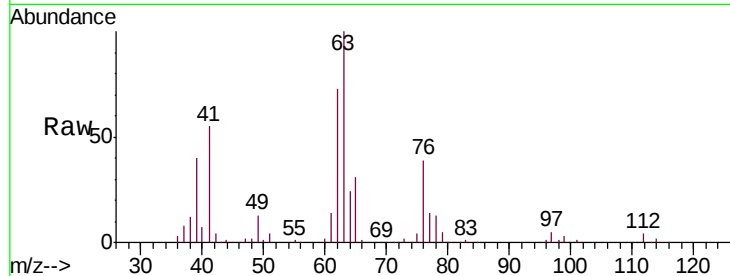
65 31.5 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#46

Dibromomethane

Concen: 46.01 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

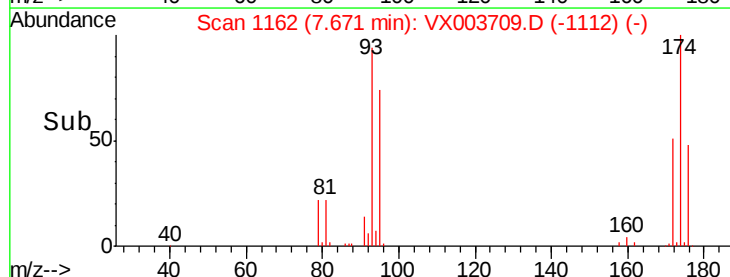
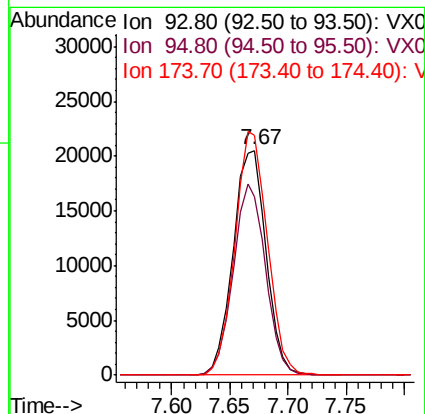
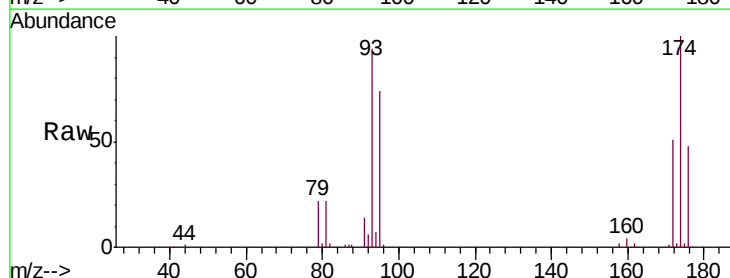
Tgt Ion: 93 Resp: 40713

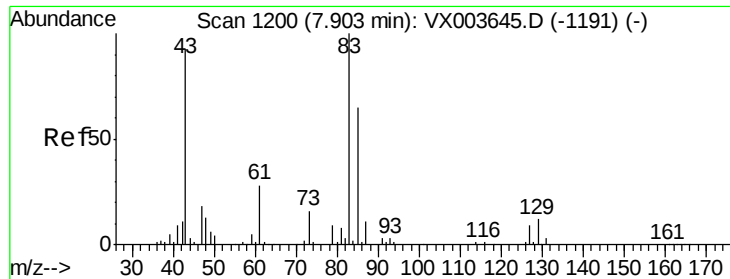
Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

174 106.5 89.6 134.4





#47

Bromodichloromethane

Concen: 46.64 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

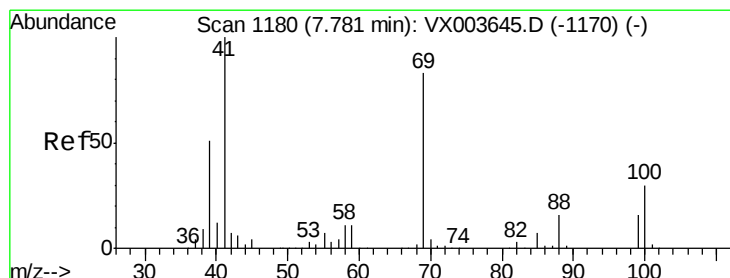
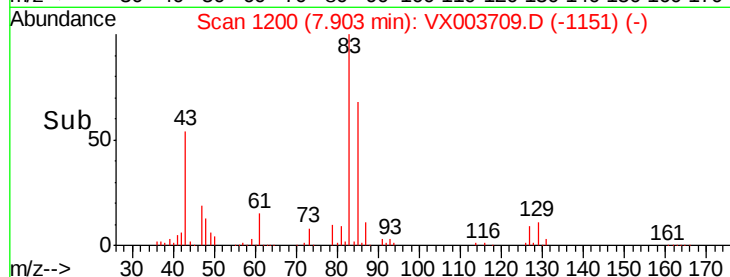
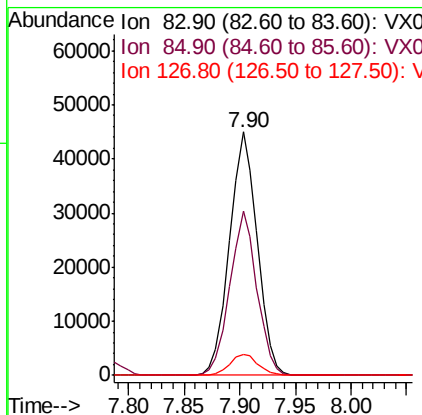
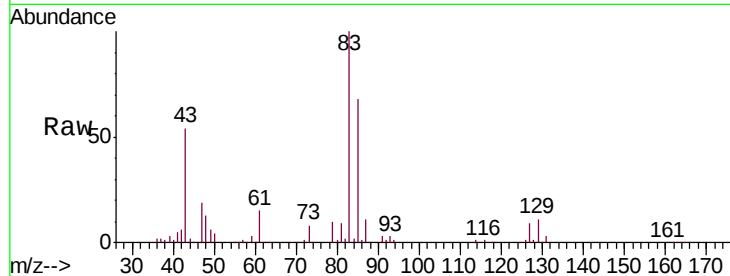
ClientSampleId :

FL-0506MS

Tot Ion:	83	Resp:	77385
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.6
127	8.7	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#48

Methyl methacrylate

Concen: 45.46 ug/l

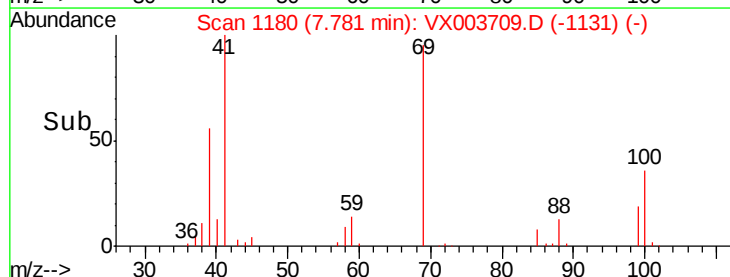
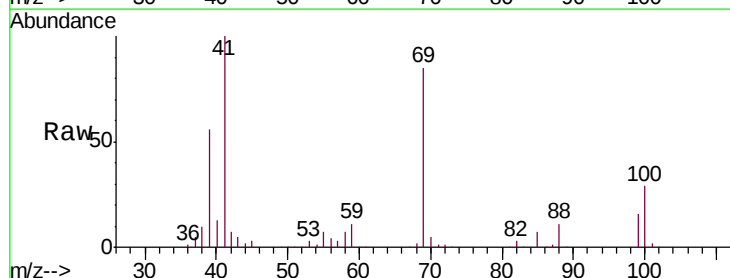
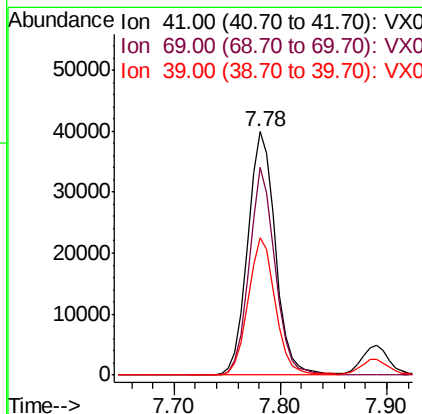
RT: 7.78 min Scan# 1180

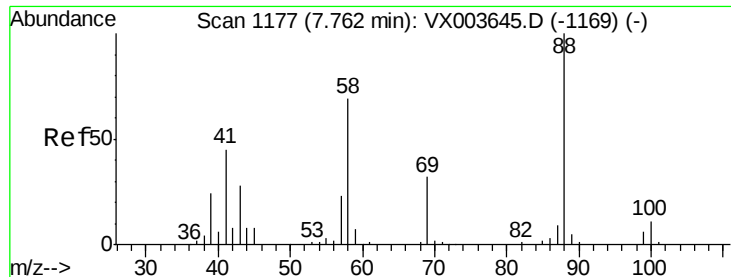
Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	41	Resp:	72872
Ion	Ratio	Lower	Upper
41	100		
69	80.2	66.9	100.3
39	55.5	41.2	61.8





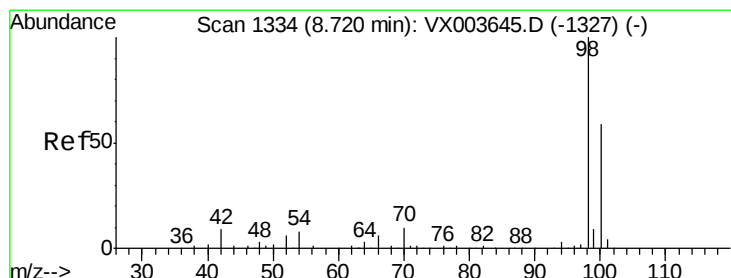
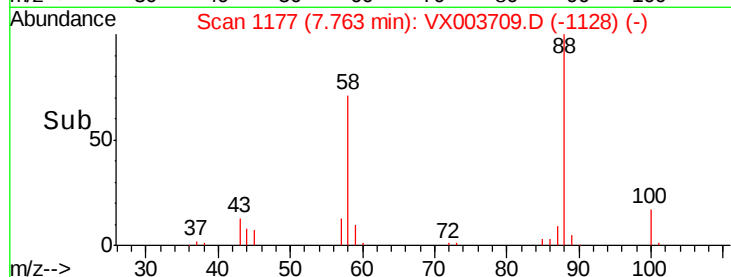
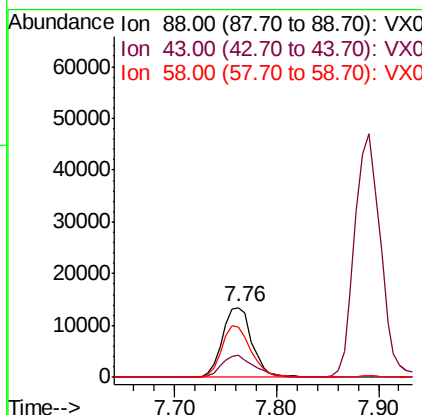
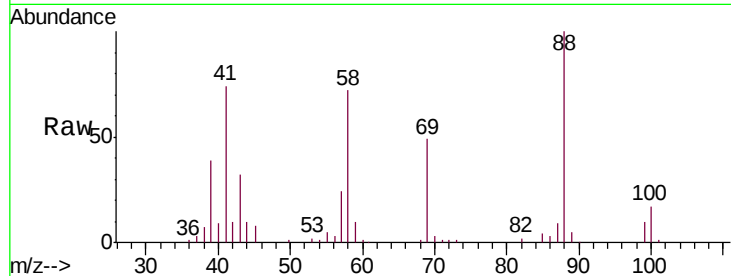
#49
1,4-Dioxane
Concen: 762.28 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.8	38.6
58	73.5	58.3	87.5

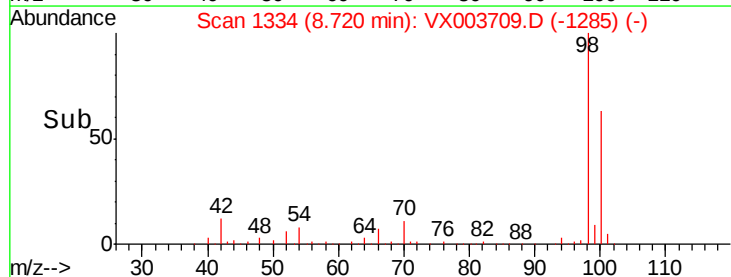
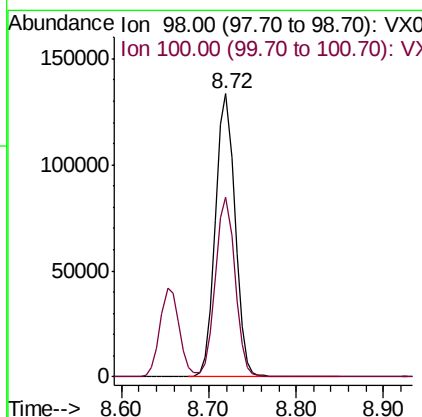
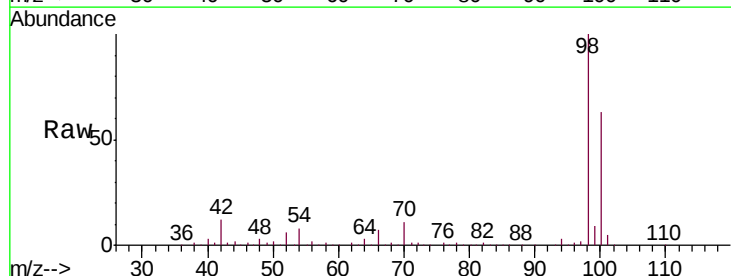
Manual Integrations
APPROVED

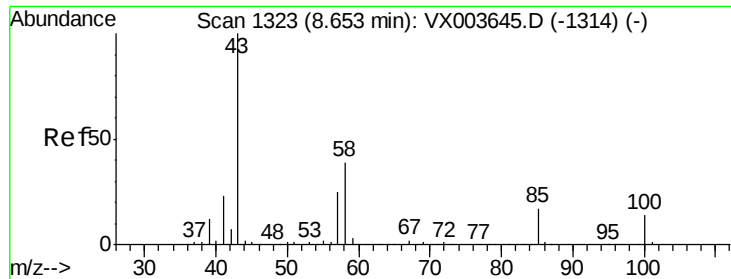
MMDadoda
7/27/2018 5:41:16 PM



#50
Toluene-d8
Concen: 43.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3





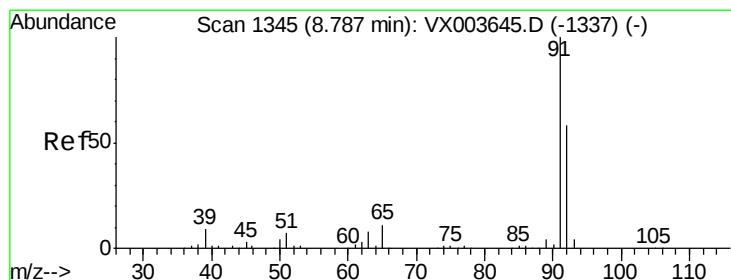
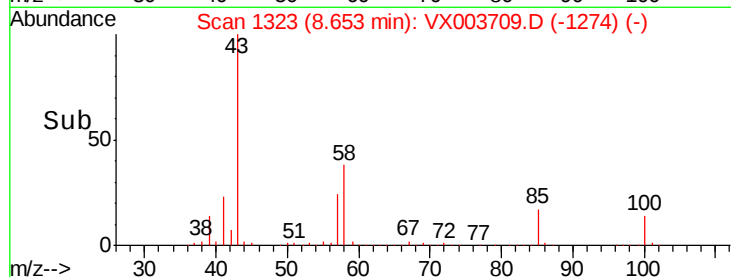
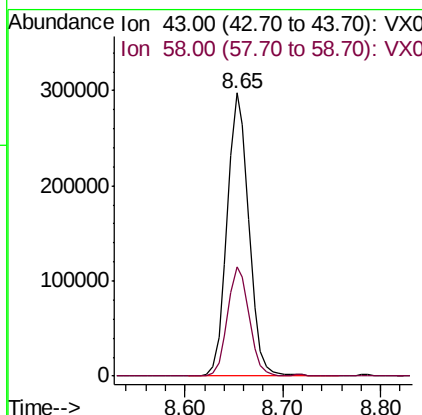
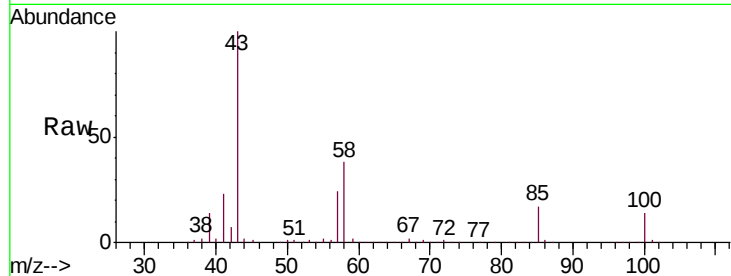
#51
4-Methyl-2-Pentanone
Concen: 215.24 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	38.4		31.5	47.3	

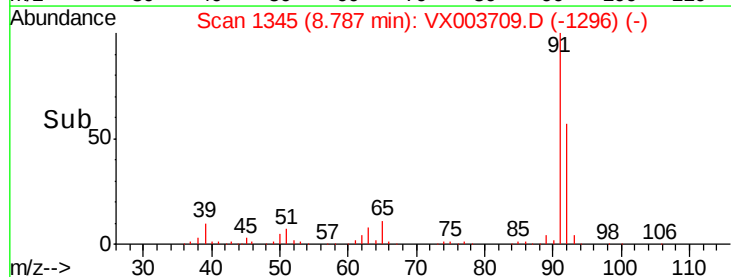
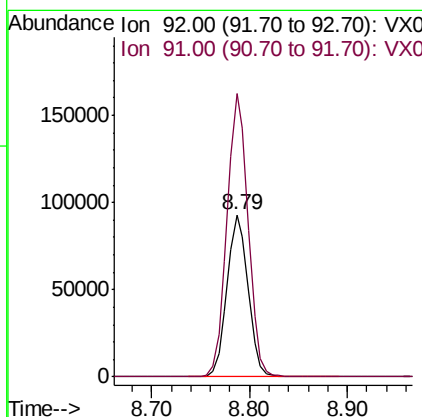
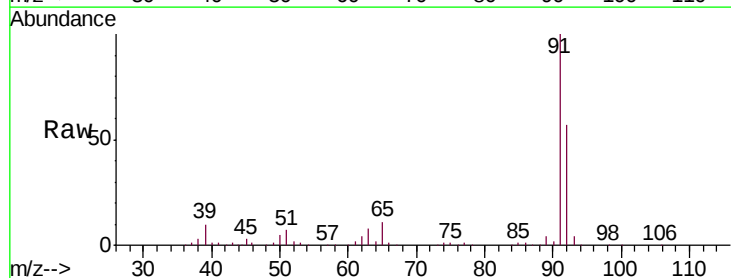
Manual Integrations
APPROVED

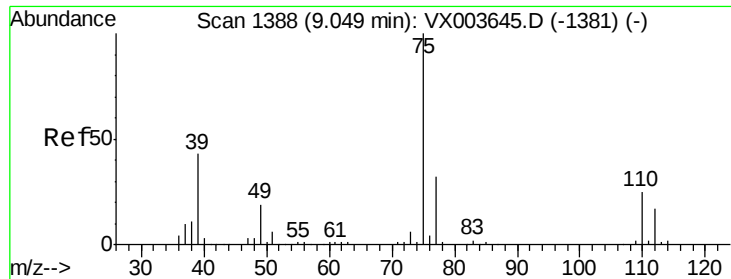
MMDadoda
7/27/2018 5:41:16 PM



#52
Toluene
Concen: 42.05 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	175.3		139.0	208.6	





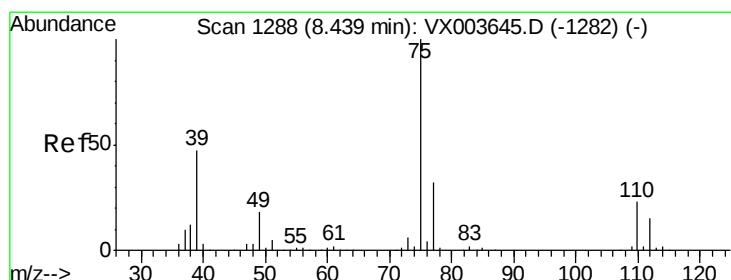
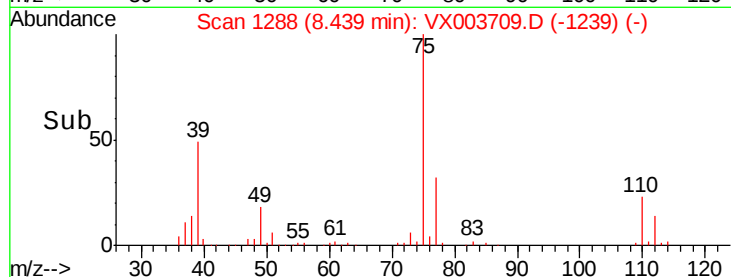
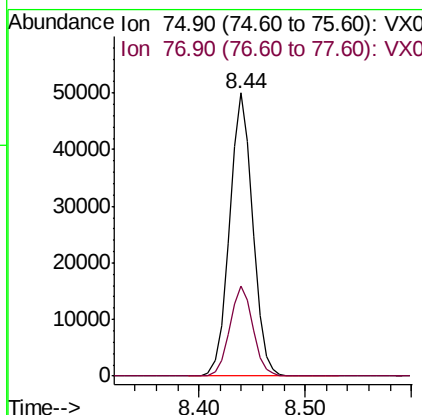
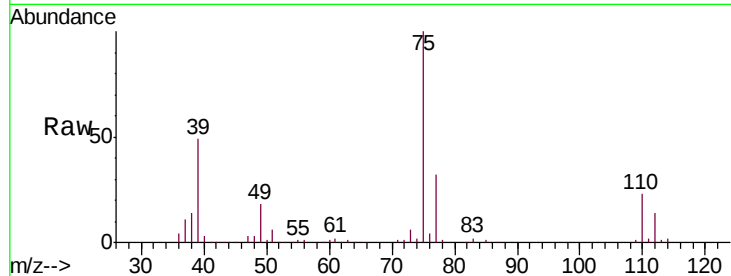
#53
t-1,3-Dichloropropene
Concen: 37.80 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion: 75 Resp: 76405
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

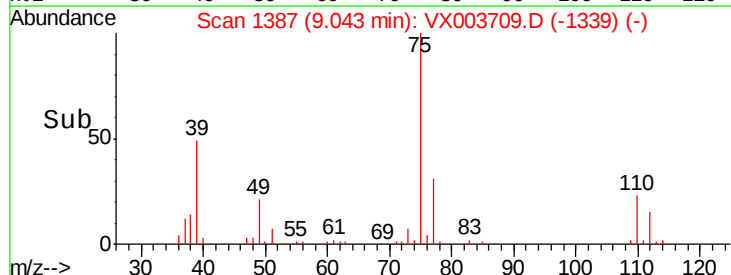
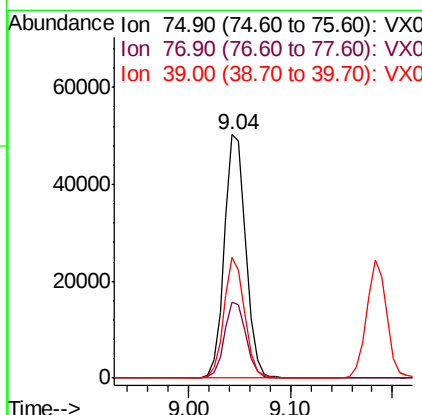
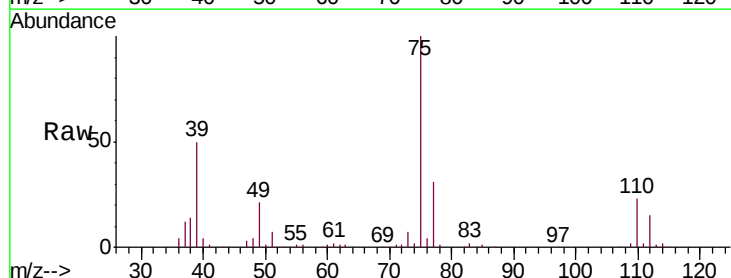
Manual Integrations
APPROVED

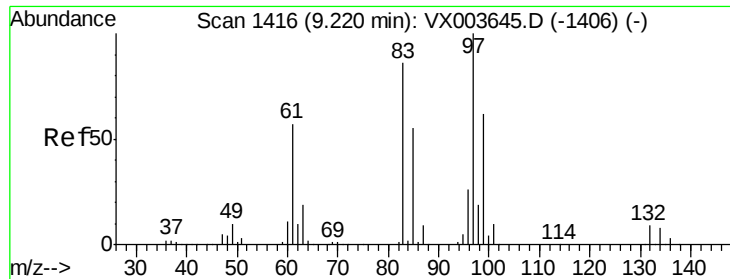
MMDadoda
7/27/2018 5:41:16 PM



#54
cis-1,3-Dichloropropene
Concen: 39.62 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion: 75 Resp: 72781
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6
39 49.6 34.2 51.4





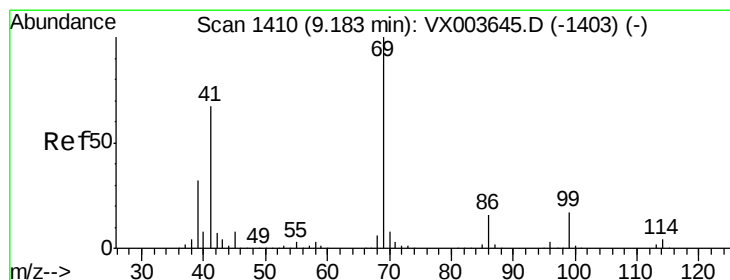
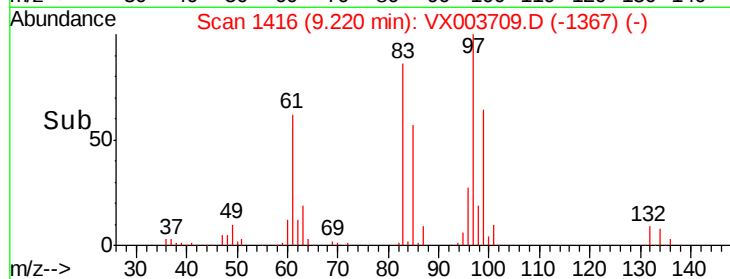
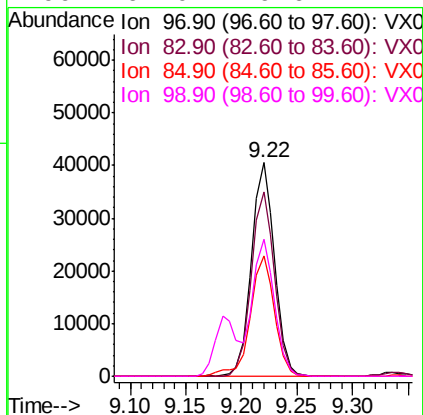
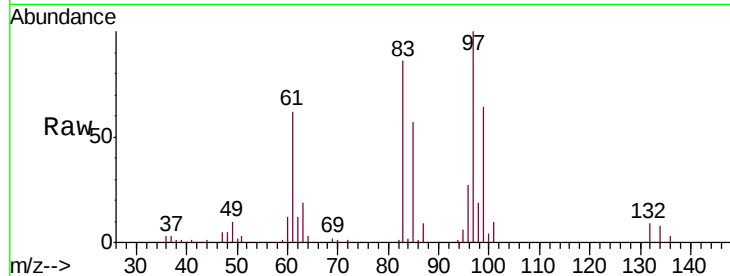
#55
 1,1,2-Trichloroethane
 Concen: 43.16 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MS

Tot Ion:	97	Resp:	58431
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.7	103.1
85	56.6	43.7	65.5
99	64.0	49.6	74.4

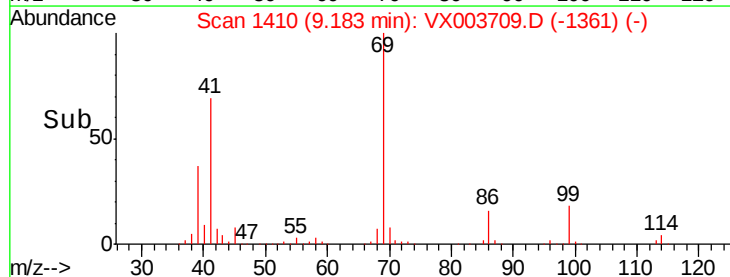
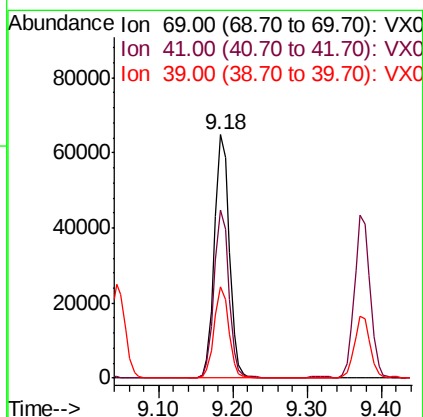
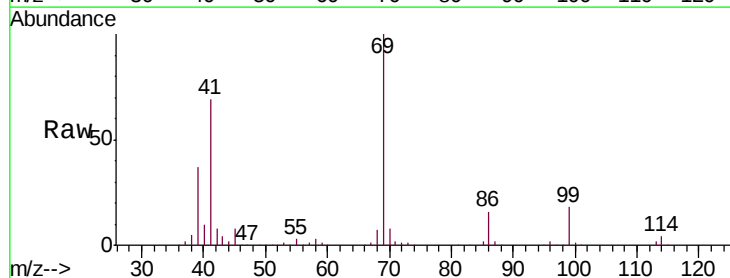
Manual Integrations
 APPROVED

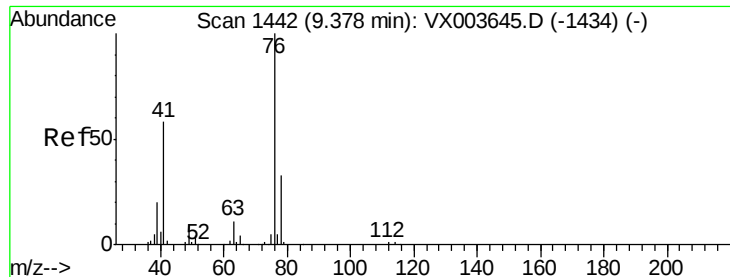
MMDadoda
 7/27/2018 5:41:16 PM



#56
 Ethyl methacrylate
 Concen: 44.25 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion:	69	Resp:	89151
Ion	Ratio	Lower	Upper
69	100		
41	68.6	53.8	80.6
39	37.5	25.8	38.8





#57

1,3-Dichloropropane

Concen: 46.15 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion: 76 Resp: 104921

Ion Ratio Lower Upper

76 100

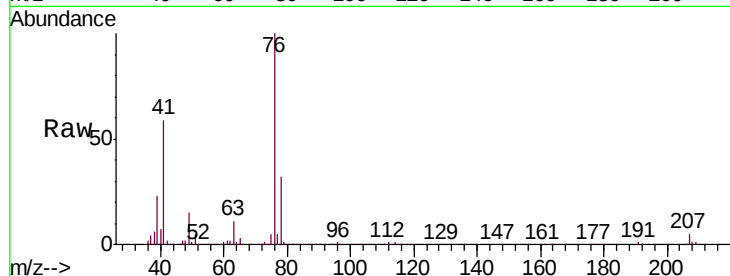
78 31.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

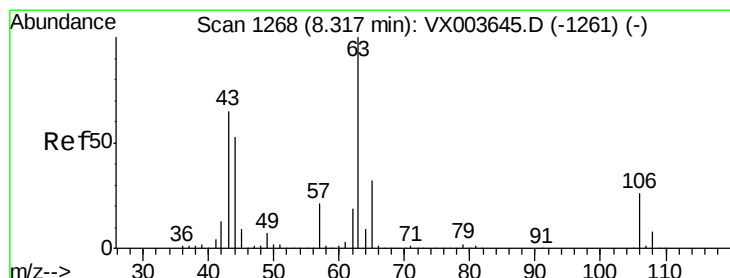
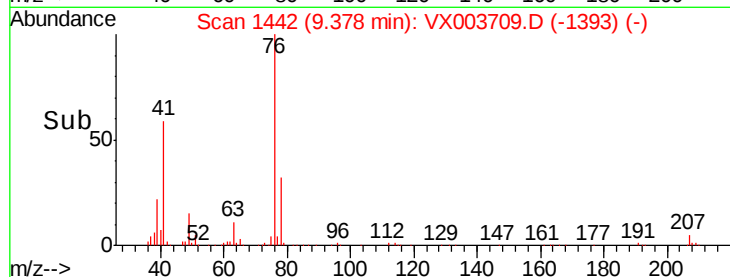
40000

20000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.24 ug/l

RT: 8.26 min Scan# 1258

Delta R.T. -0.06 min

Lab File: VX003709.D

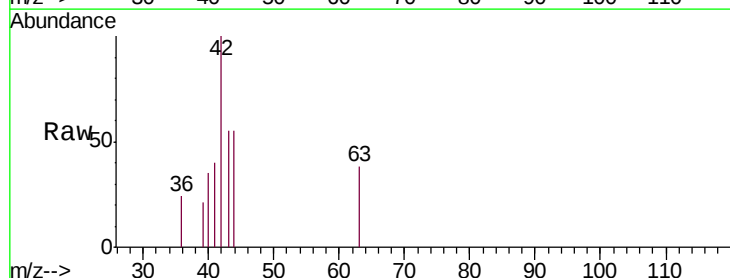
Acq: 27 Jul 2018 10:00

Tgt Ion: 63 Resp: 241

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120

100

80

60

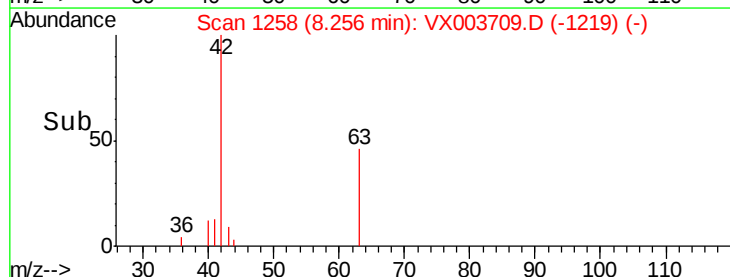
40

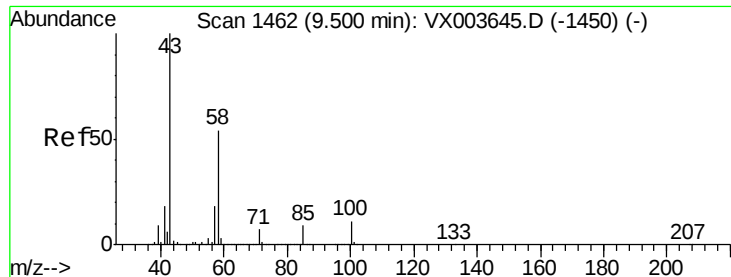
20

0

8.20 8.25 8.30

Time-->





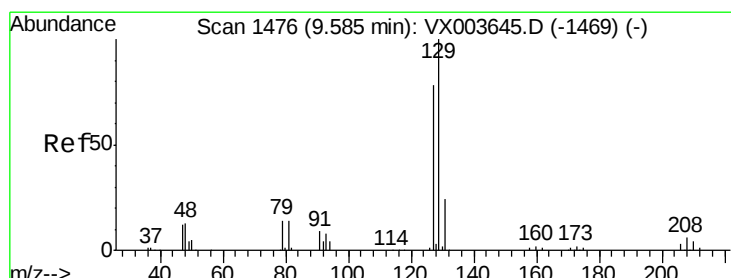
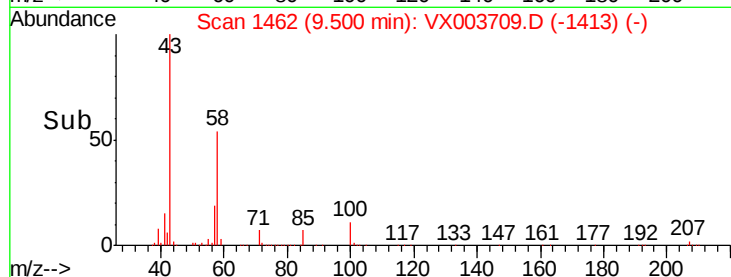
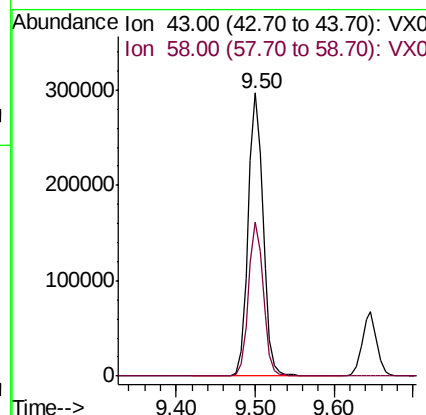
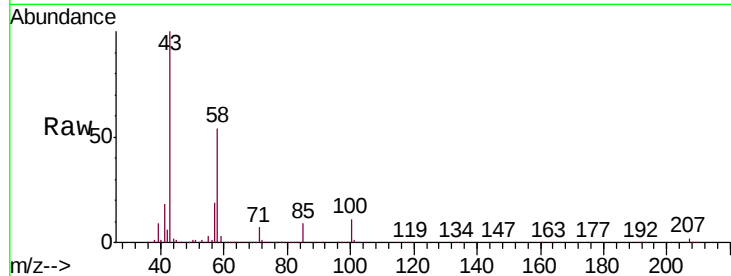
#59
2-Hexanone
Concen: 238.40 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.3	81.9

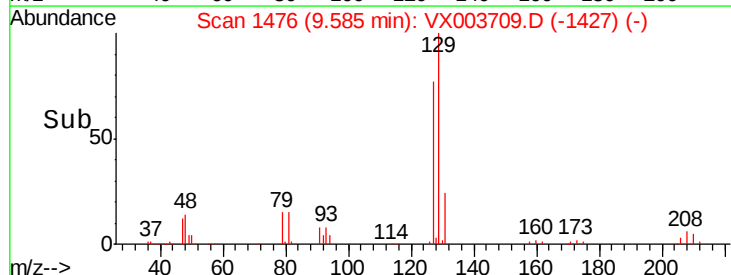
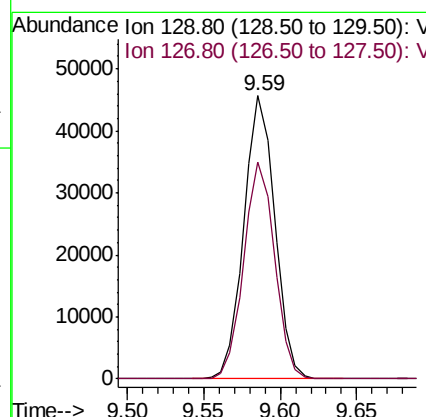
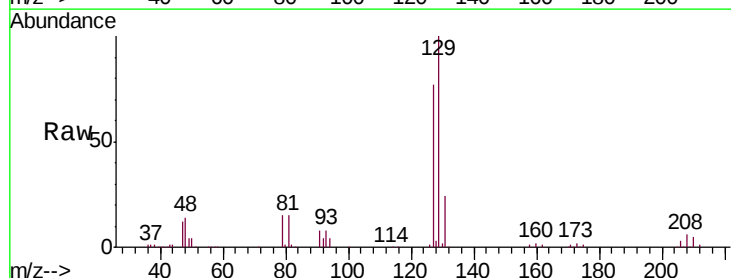
Manual Integrations
APPROVED

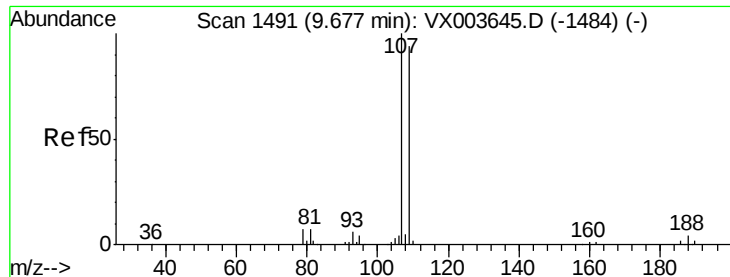
MMDadoda
7/27/2018 5:41:16 PM



#60
Dibromochloromethane
Concen: 49.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.7	116.1





#61

1,2-Dibromoethane

Concen: 43.10 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MS

Tot Ion:107 Resp: 60758

Ion Ratio Lower Upper

107 100

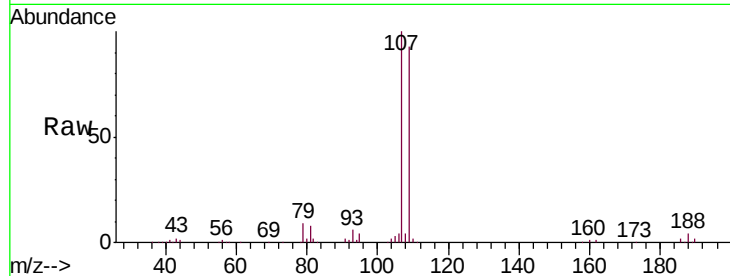
109 93.7 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

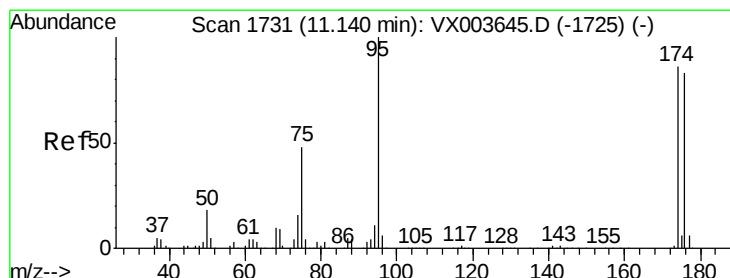
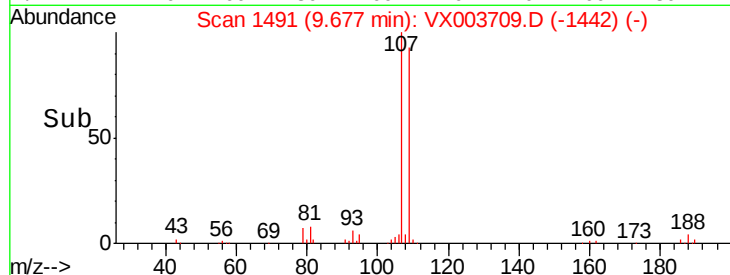
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 42.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

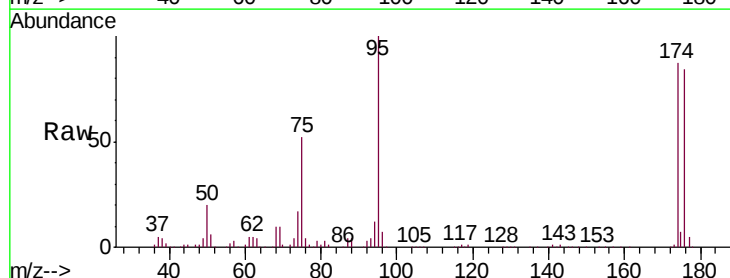
Tgt Ion: 95 Resp: 73839

Ion Ratio Lower Upper

95 100

174 88.6 0.0 179.0

176 85.7 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

80000

60000

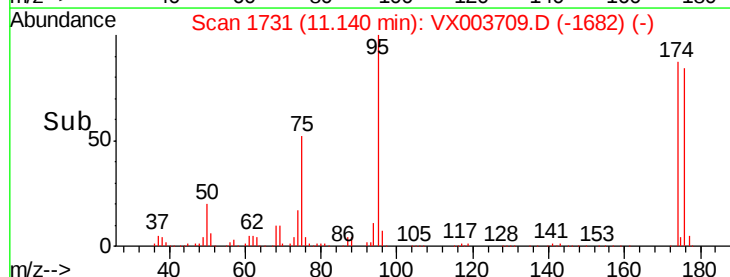
40000

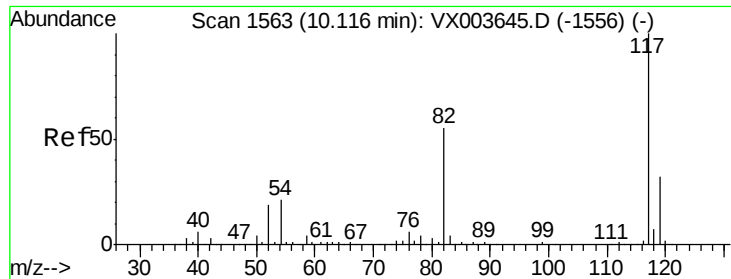
20000

0

Time-->

11.05 11.10 11.15 11.20





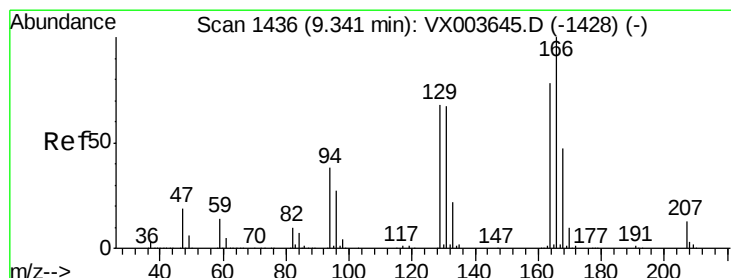
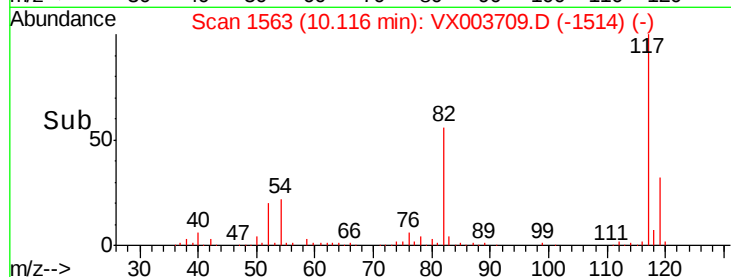
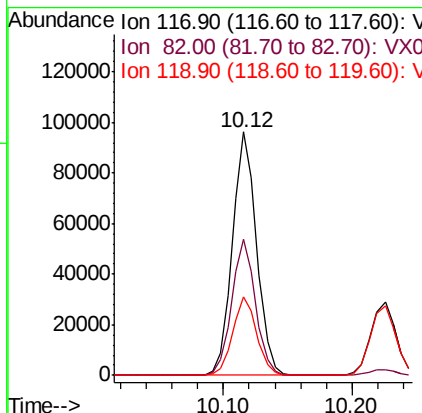
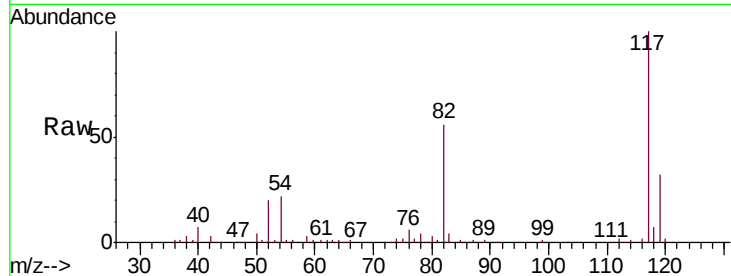
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.3	66.5
119	32.4	25.6	38.4

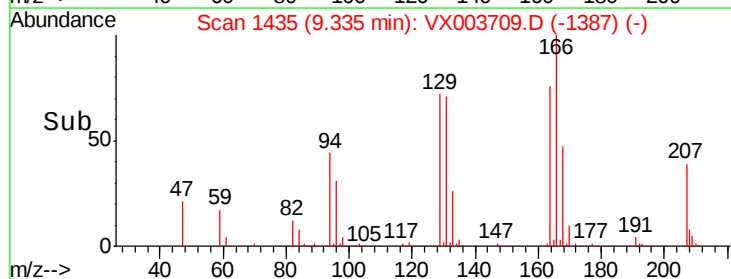
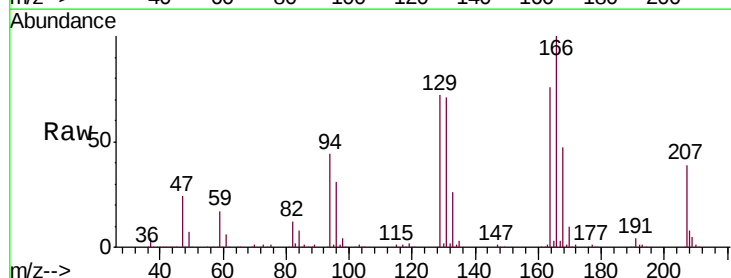
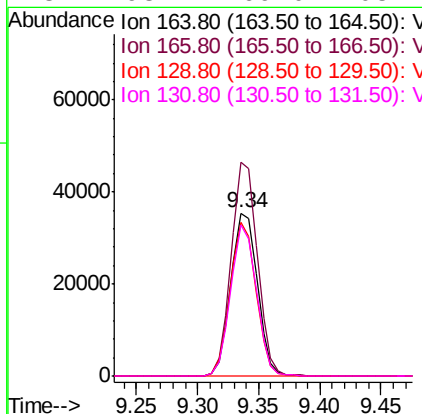
Manual Integrations
APPROVED

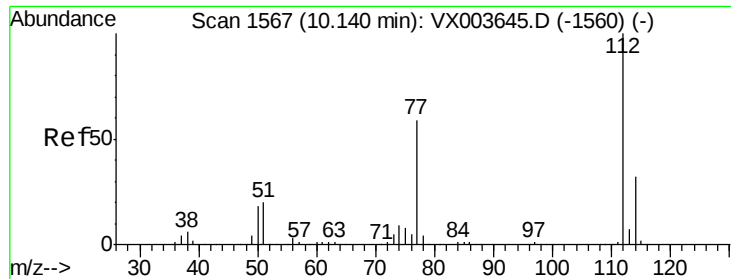
MMDadoda
7/27/2018 5:41:16 PM



#64
Tetrachloroethene
Concen: 46.20 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.4	153.6
129	94.3	69.6	104.4
131	93.2	69.0	103.4





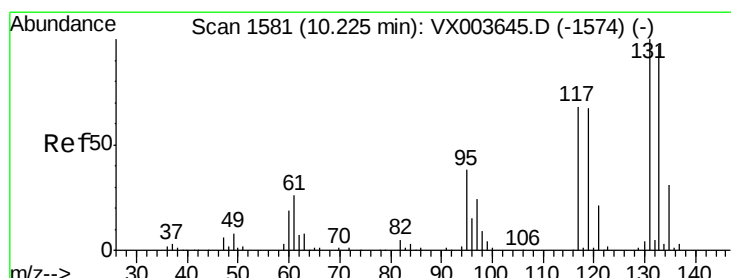
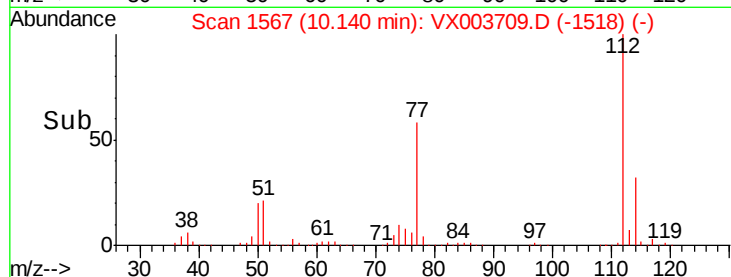
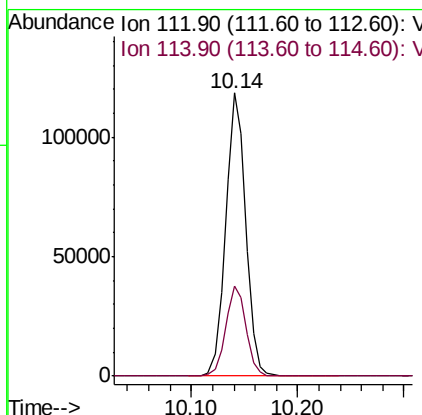
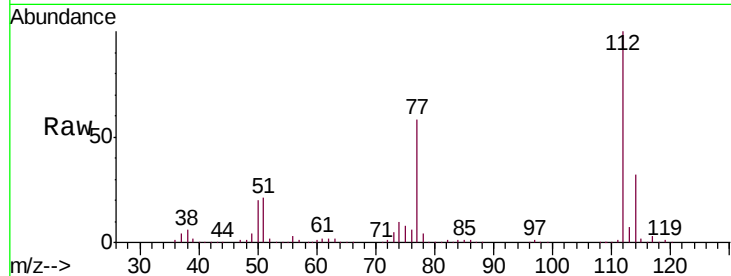
#65
Chlorobenzene
Concen: 49.06 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion:112 Resp: 155383
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

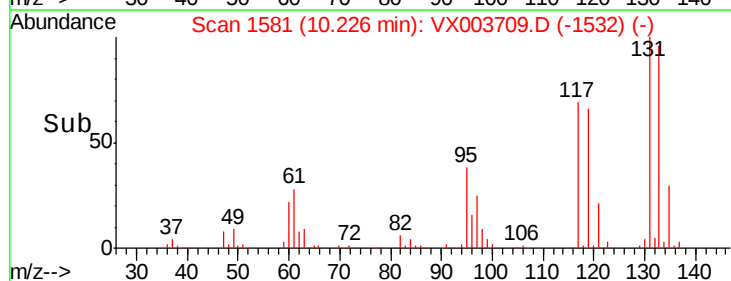
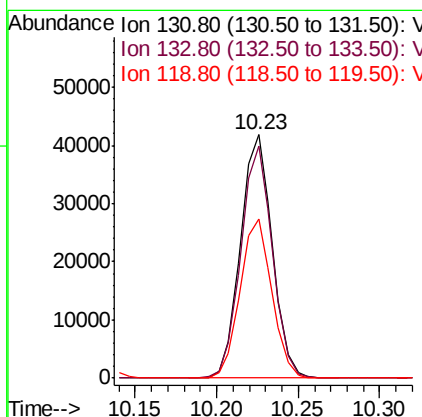
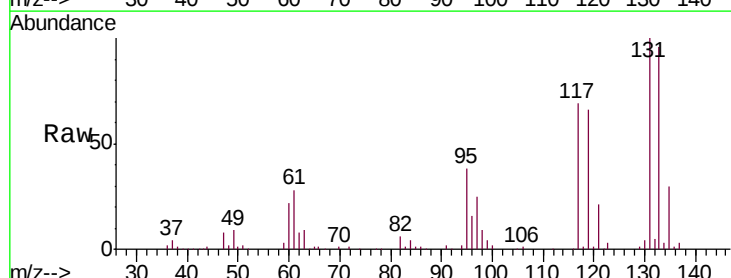
Manual Integrations
APPROVED

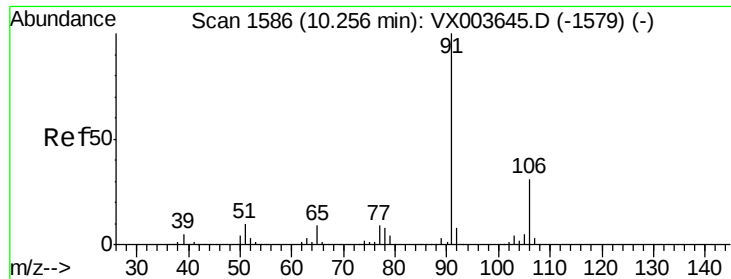
MMDadoda
7/27/2018 5:41:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.46 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion:131 Resp: 56662
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.8
119 65.7 32.8 98.4





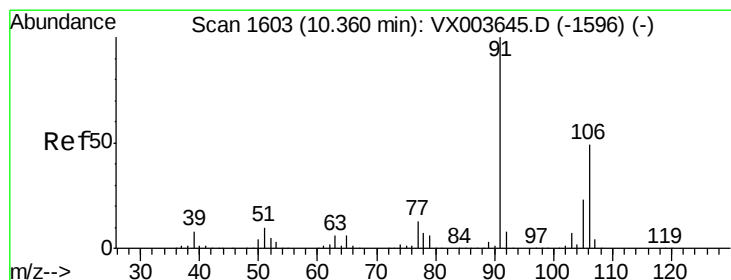
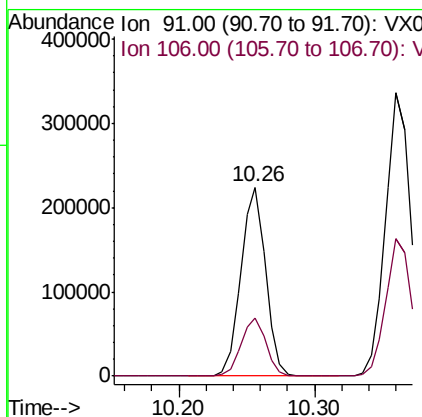
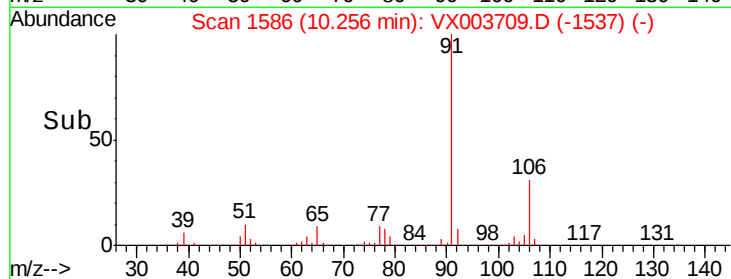
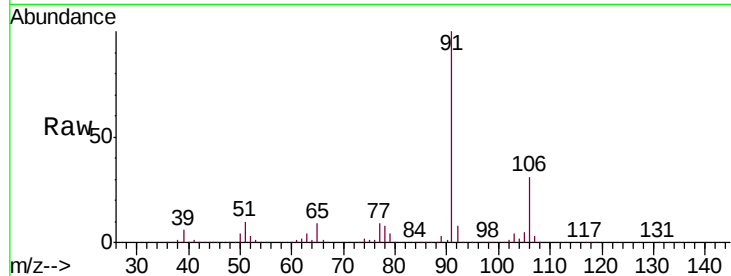
#67
Ethyl Benzene
Concen: 53.42 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion: 91 Resp: 283207
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

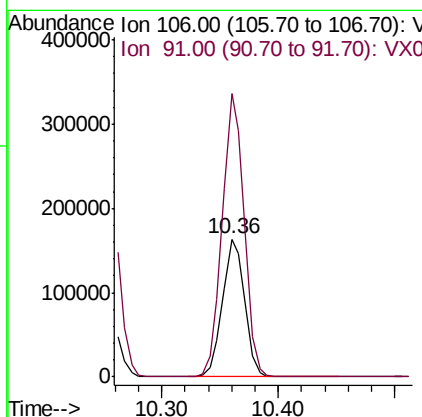
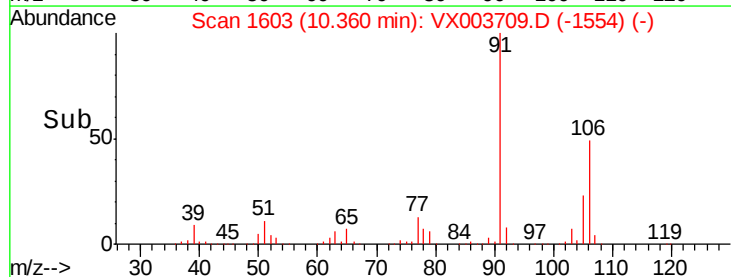
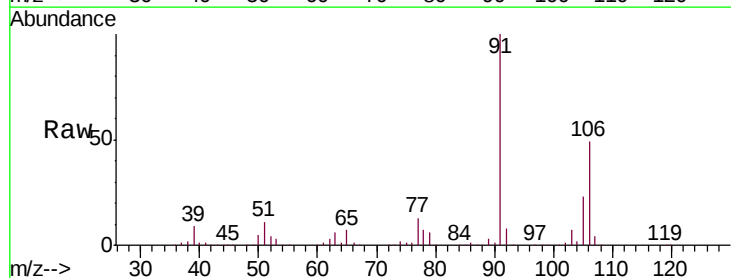
Manual Integrations
APPROVED

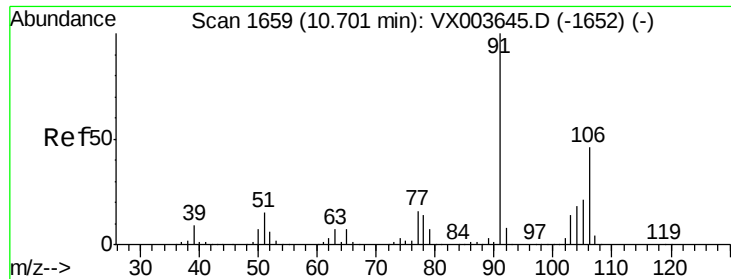
MMDadoda
7/27/2018 5:41:16 PM



#68
m/p-Xylenes
Concen: 104.95 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion: 106 Resp: 213453
Ion Ratio Lower Upper
106 100
91 203.8 162.2 243.2





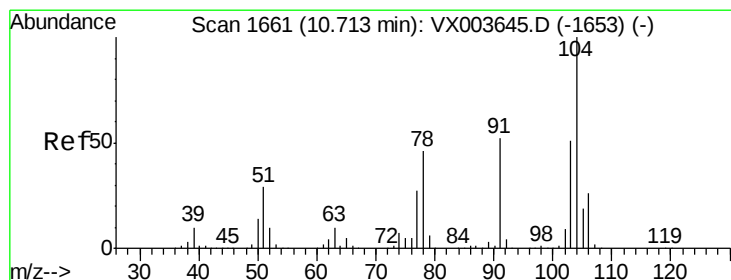
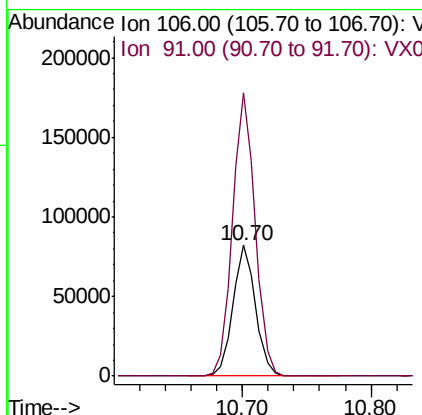
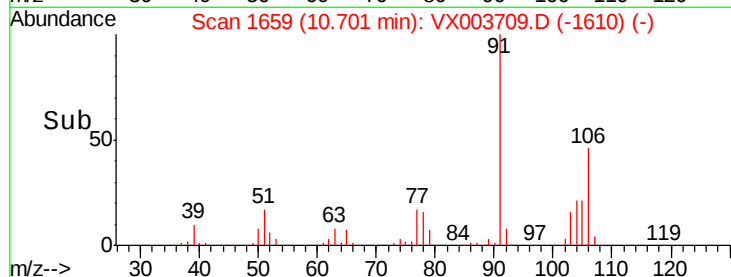
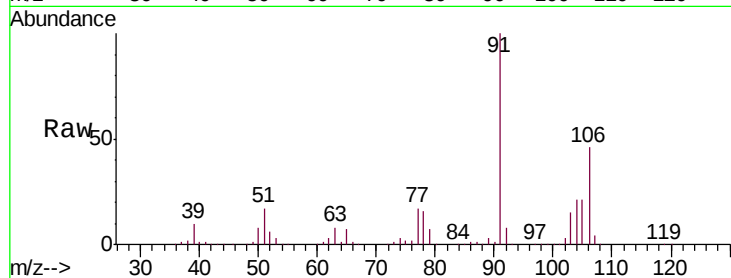
#69
o-Xylene
Concen: 51.25 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion:106 Resp: 100349
Ion Ratio Lower Upper
106 100
91 217.5 107.1 321.1

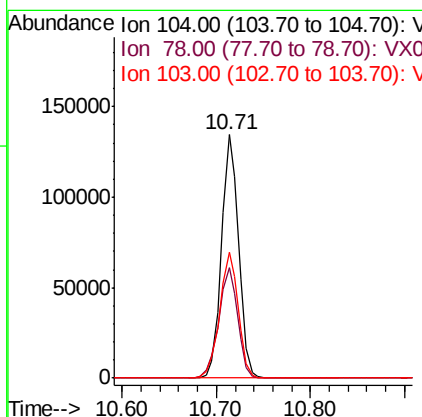
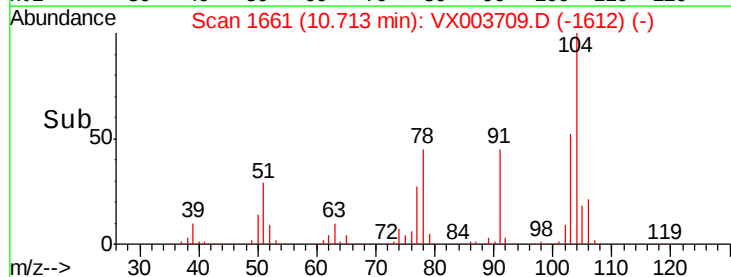
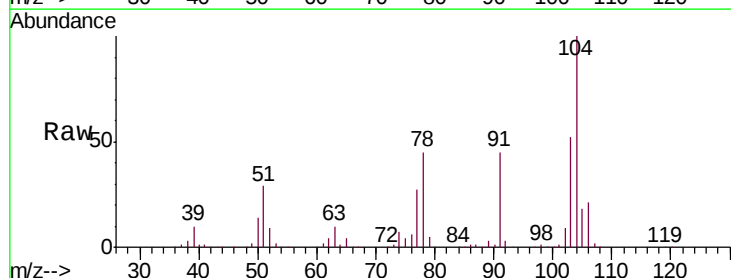
Manual Integrations
APPROVED

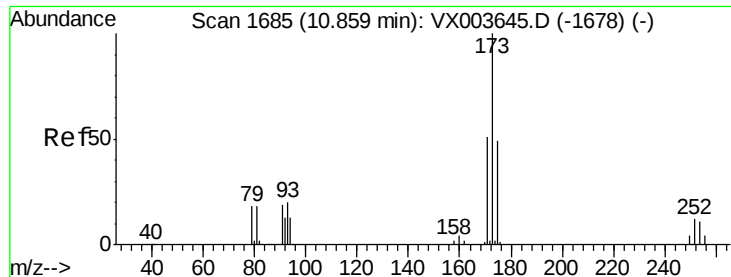
MMDadoda
7/27/2018 5:41:16 PM



#70
Styrene
Concen: 51.46 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion:104 Resp: 169255
Ion Ratio Lower Upper
104 100
78 50.3 39.2 58.8
103 56.1 44.2 66.4





#71

Bromoform

Concen: 51.93 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion:173 Resp: 45215

Ion Ratio Lower Upper

173 100

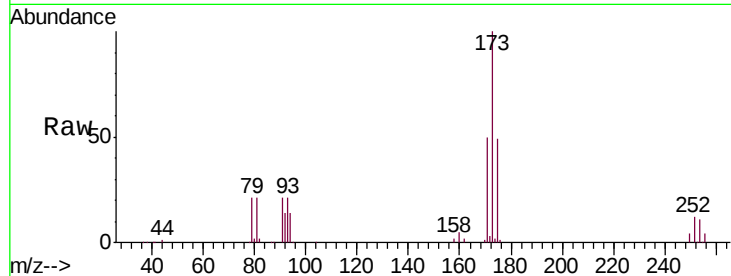
175 49.3 24.1 72.2

254 0.0 0.0 0.0#

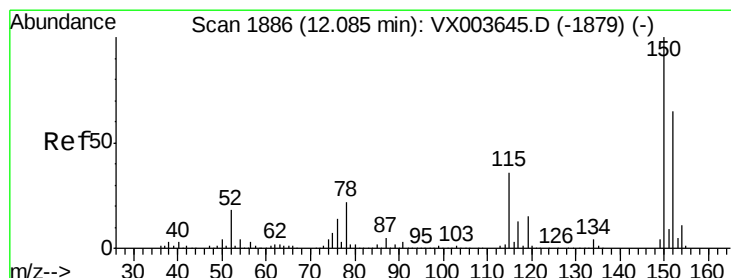
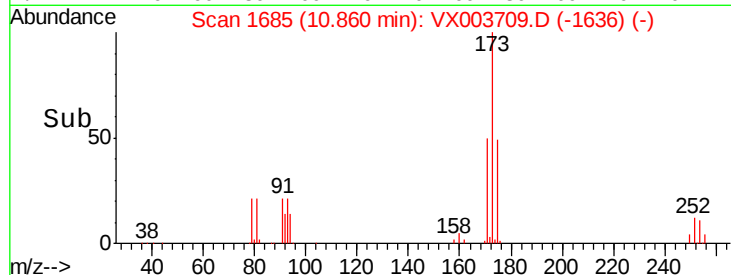
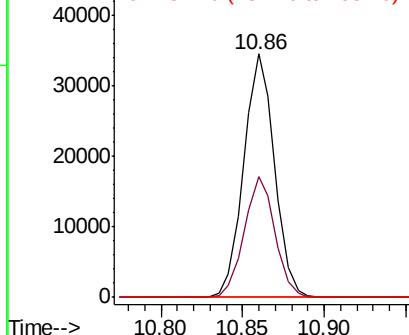
Manual Integrations
APPROVED

MMDadoda

7/27/2018 5:41:16 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

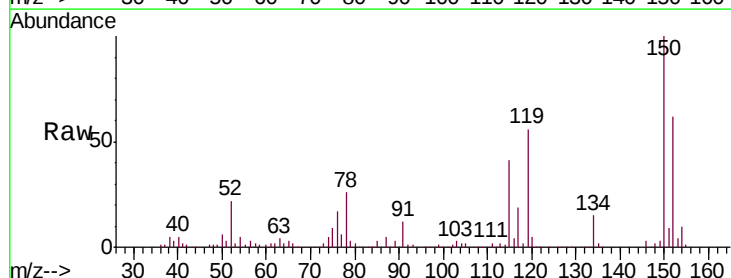
Tgt Ion:152 Resp: 77119

Ion Ratio Lower Upper

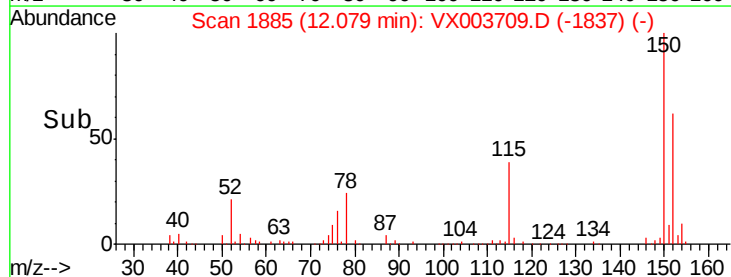
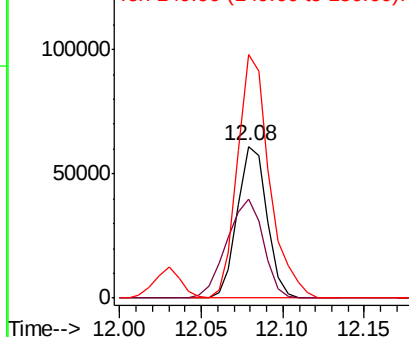
152 100

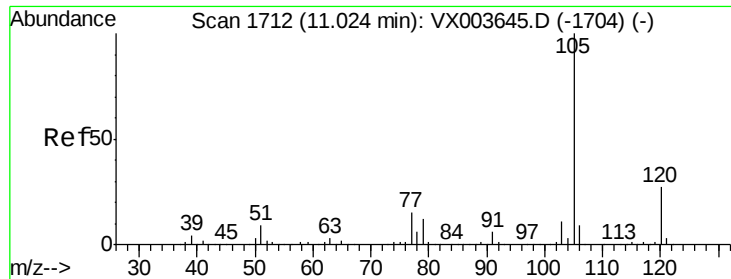
115 81.1 40.0 119.9

150 173.7 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.01 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MS

Tot Ion: 105 Resp: 274052

Ion Ratio Lower Upper

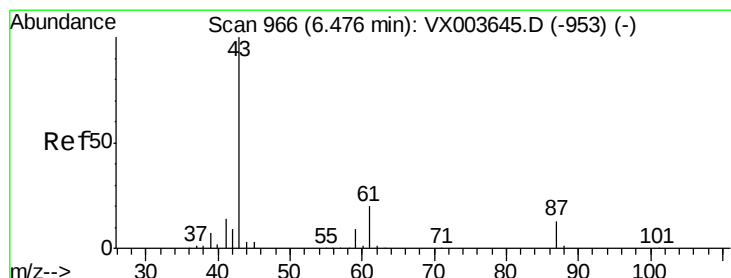
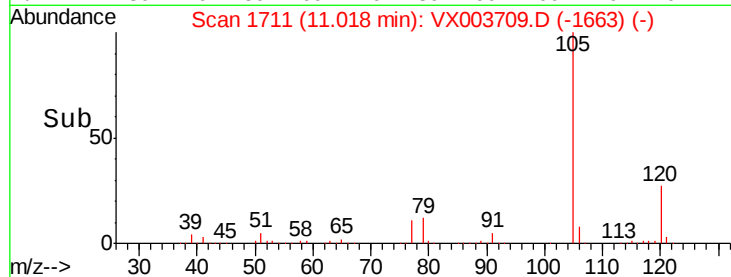
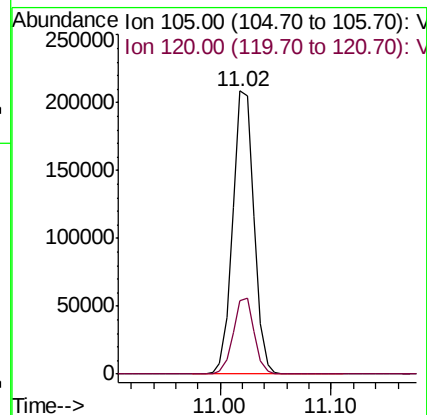
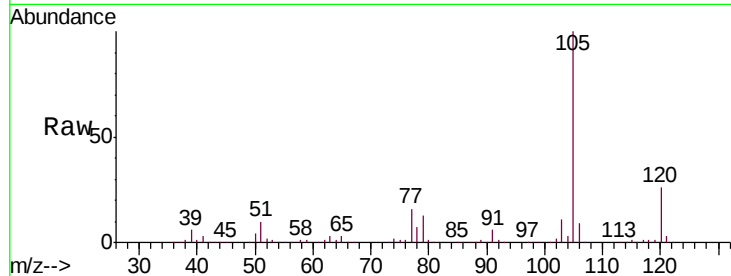
105 100

120 26.5 13.5 40.5

Manual Integrations
APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#74

N-ethyl acetate

Concen: 47.74 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion: 43 Resp: 131201

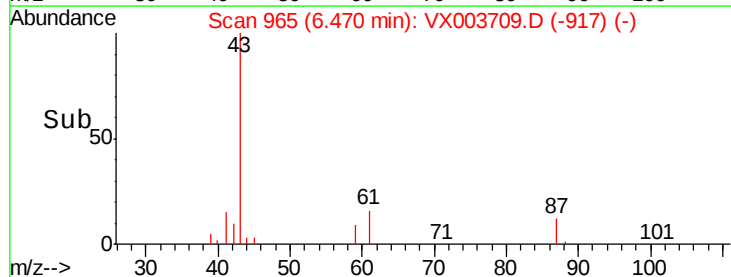
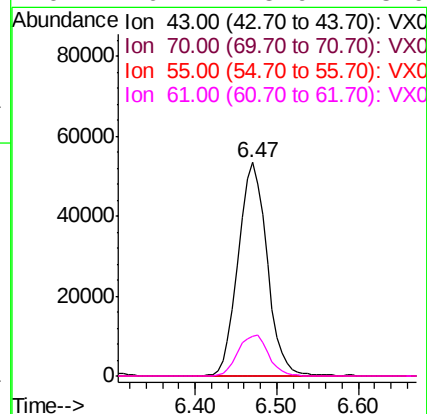
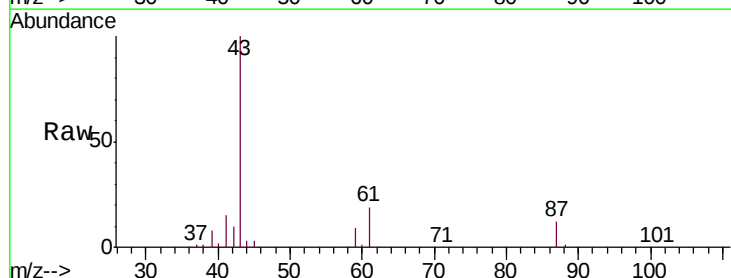
Ion Ratio Lower Upper

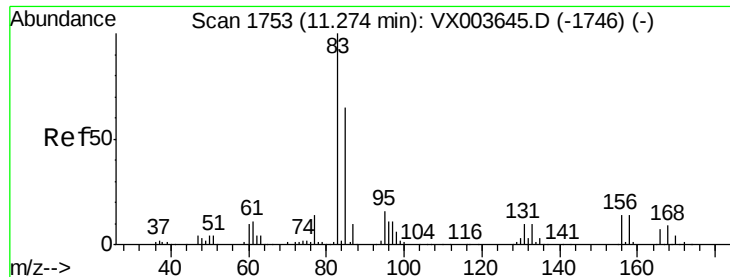
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.1 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.05 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

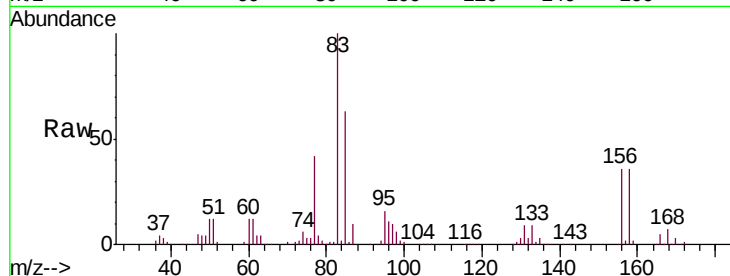
ClientSampled :

FL-0506MS

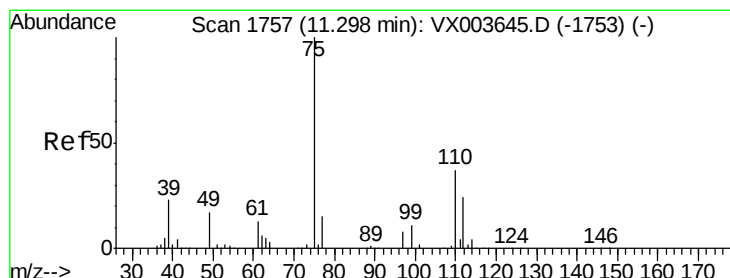
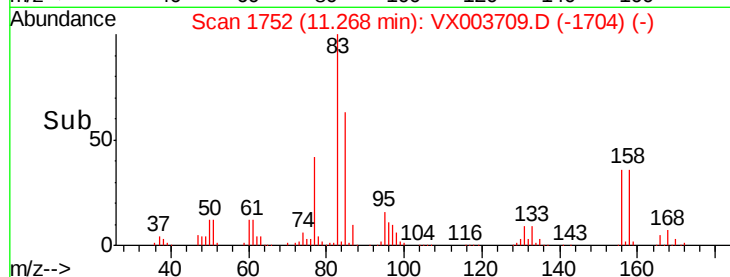
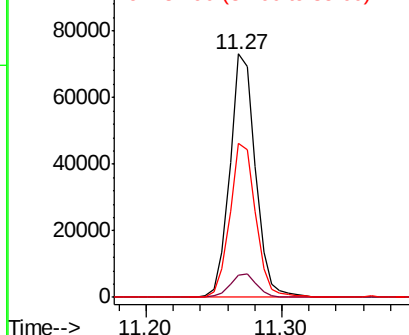
Tot Ion:	83	Resp:	95442
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.4
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.41 ug/l m

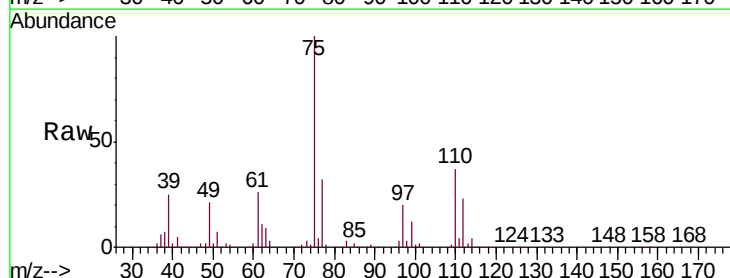
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

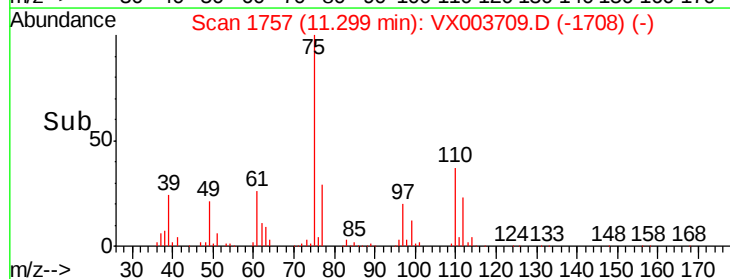
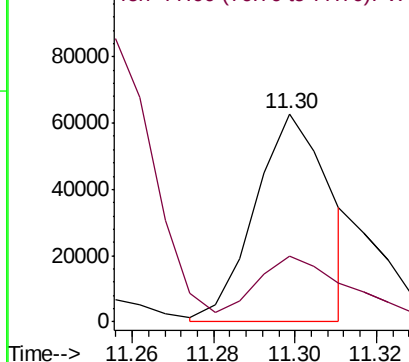
Lab File: VX003709.D

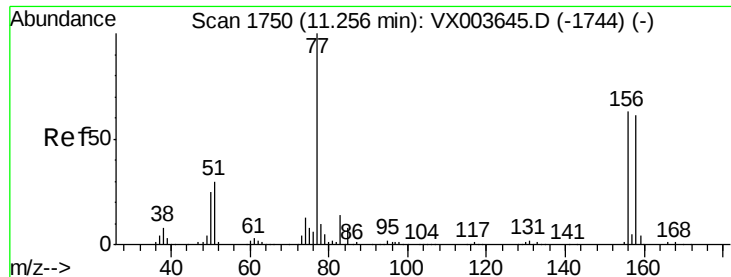
Acq: 27 Jul 2018 10:00

Tgt Ion:	75	Resp:	79925
Ion Ratio	Lower	Upper	
75	100		
77	40.3	21.6	64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion:156 Resp: 70307

Ion Ratio Lower Upper

156 100

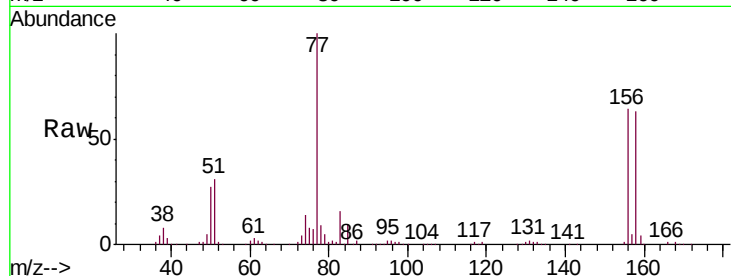
77 153.1 74.9 224.6

158 97.7 48.4 145.2

Manual Integrations
APPROVED

MMDadoda

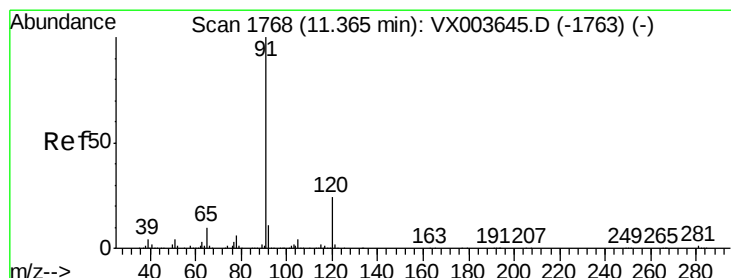
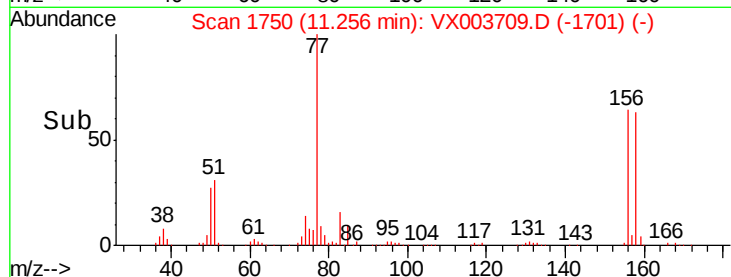
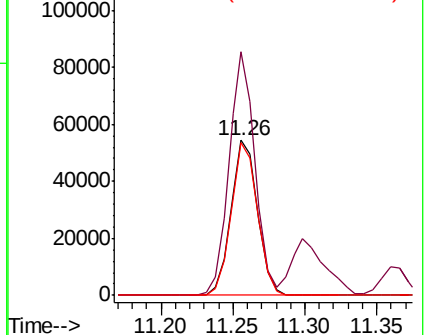
7/27/2018 5:41:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.03 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003709.D

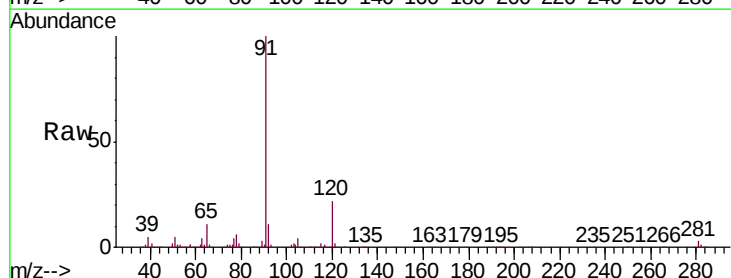
Acq: 27 Jul 2018 10:00

Tgt Ion: 91 Resp: 316574

Ion Ratio Lower Upper

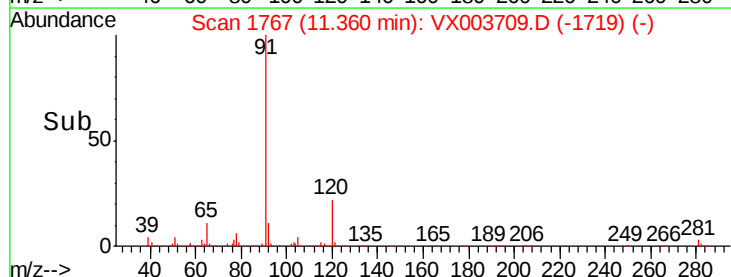
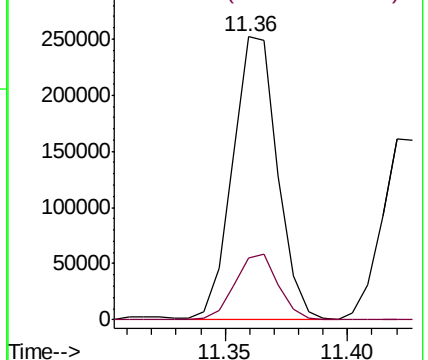
91 100

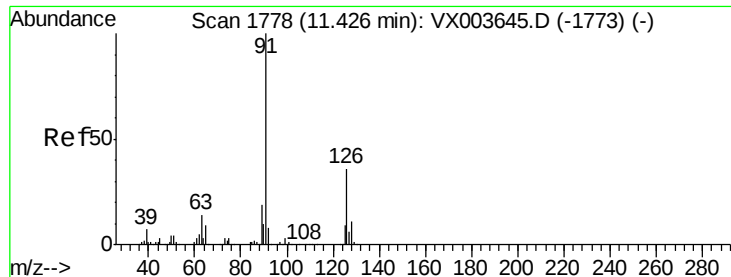
120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.41 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion: 91 Resp: 208602

Ion Ratio Lower Upper

91 100

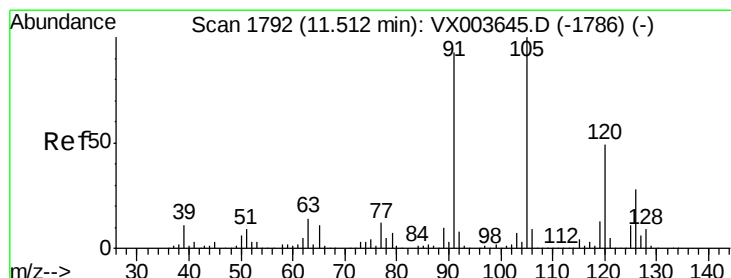
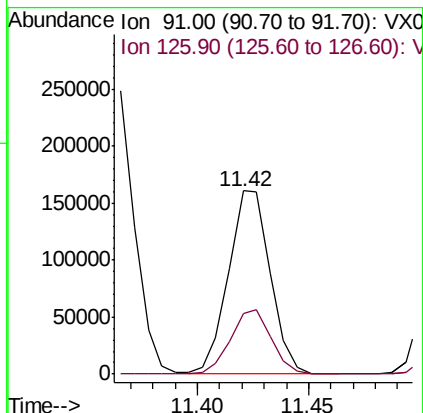
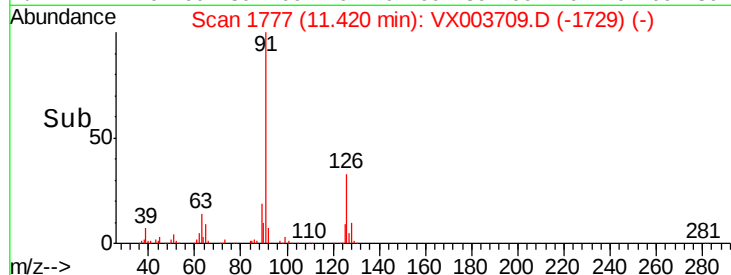
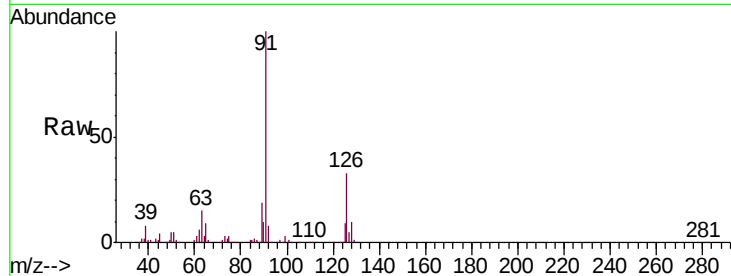
126 34.5 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#80

1,3,5-Trimethylbenzene

Concen: 56.49 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003709.D

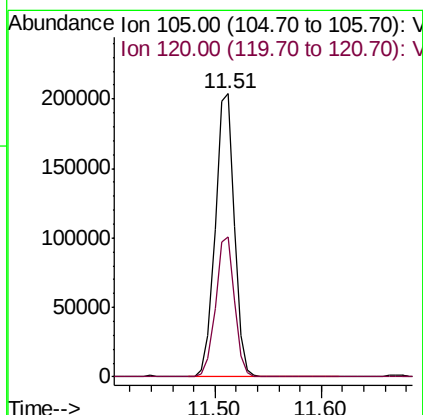
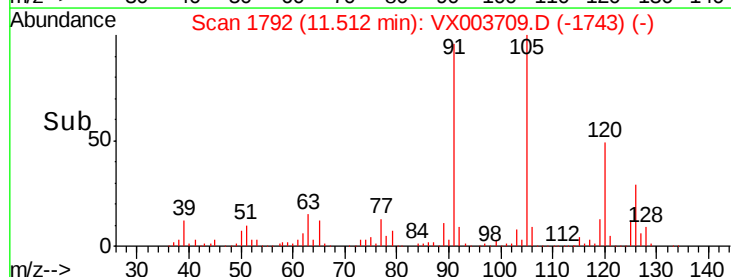
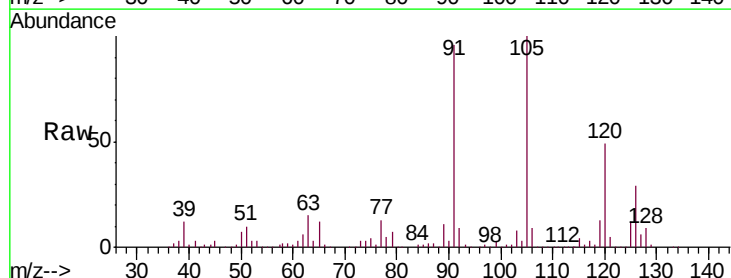
Acq: 27 Jul 2018 10:00

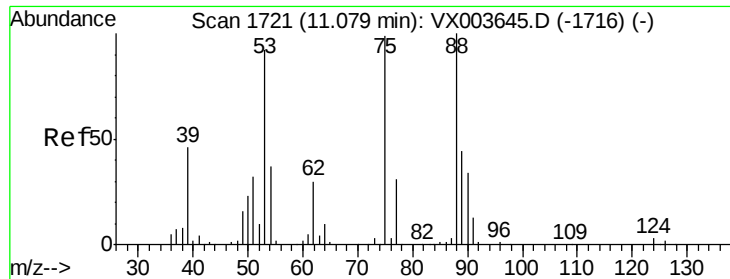
Tgt Ion: 105 Resp: 251806

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.4





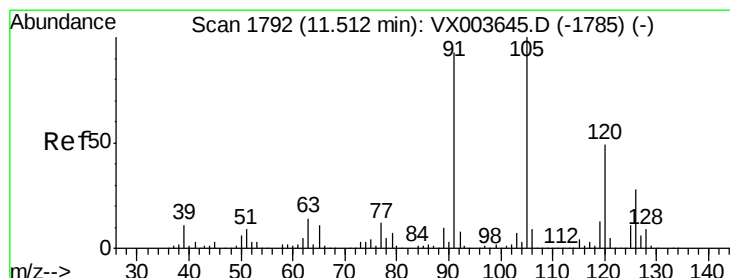
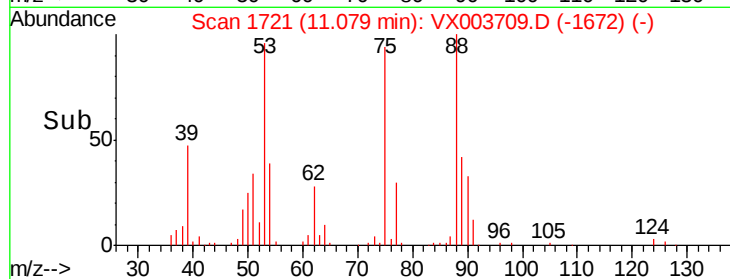
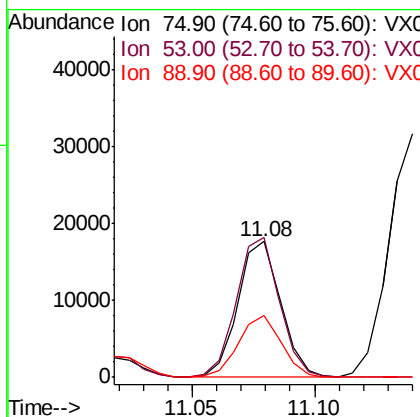
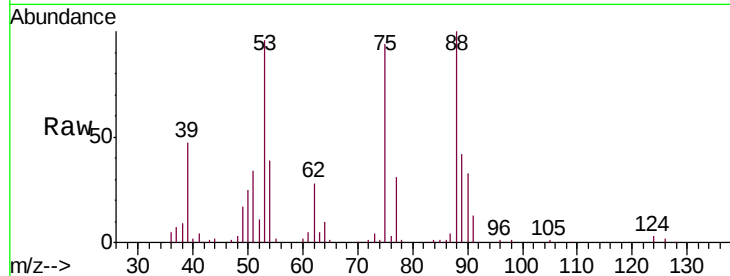
#81
trans-1,4-Dichloro-2-butene
Concen: 41.49 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	77.8	116.8
89	45.0	36.6	54.8

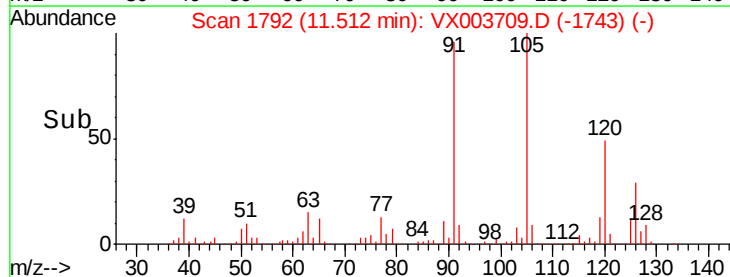
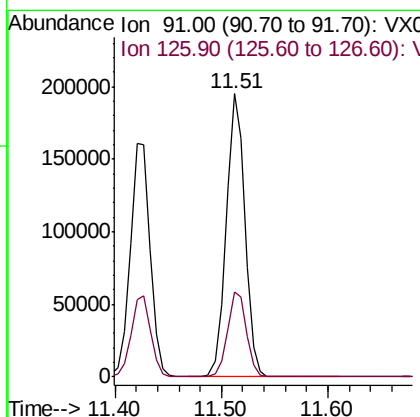
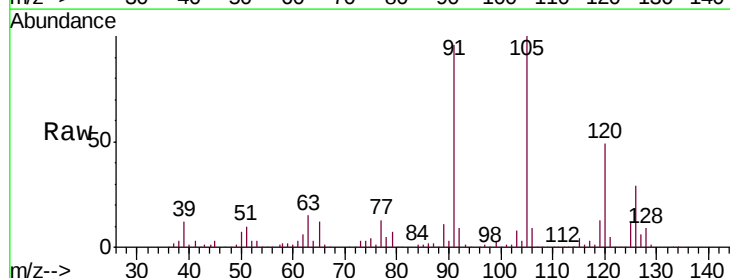
Manual Integrations
APPROVED

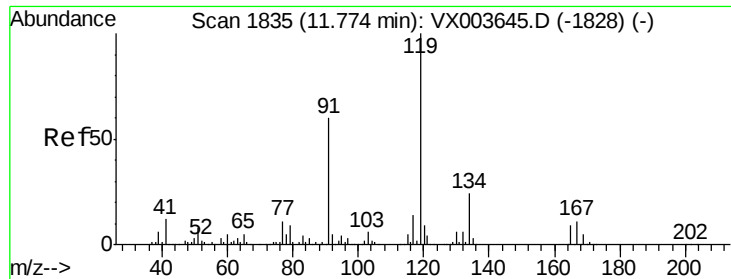
MMDadoda
7/27/2018 5:41:16 PM



#82
4-Chlorotoluene
Concen: 55.01 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.4	46.1





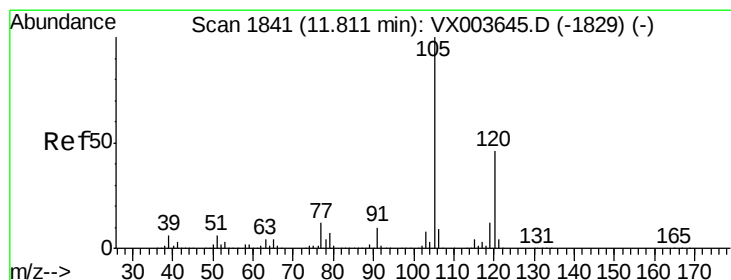
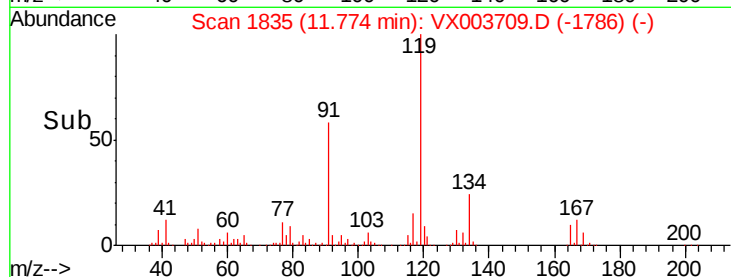
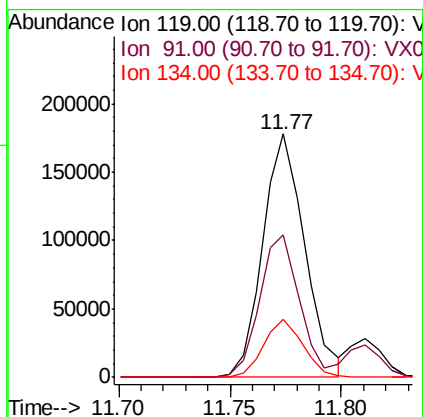
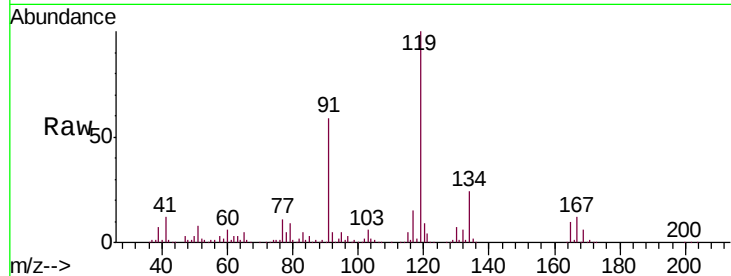
#83
tert-Butylbenzene
Concen: 53.30 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232480		
91	55.5	28.4	85.2	
134	22.5	11.6	34.8	

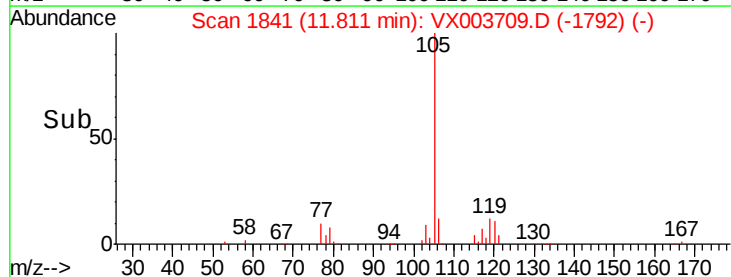
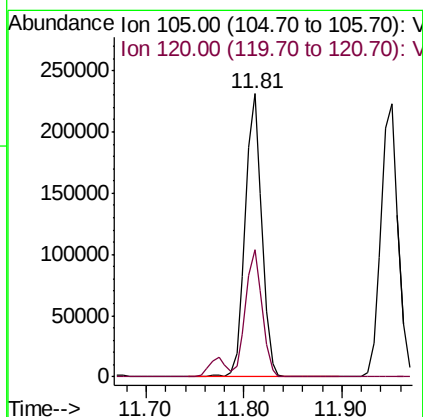
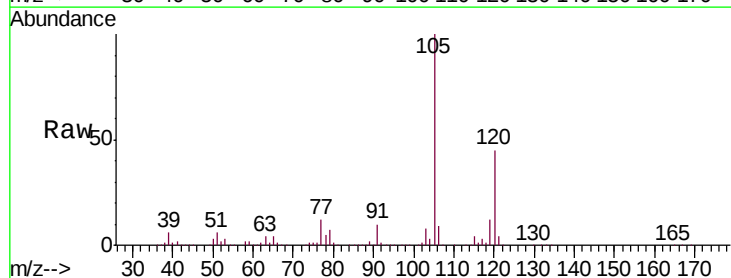
Manual Integrations
APPROVED

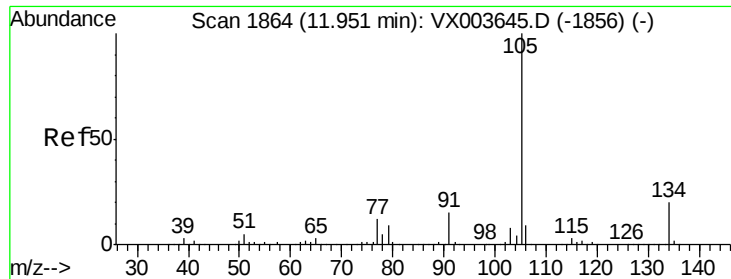
MMDadoda
7/27/2018 5:41:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 59.61 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273118		
120	44.7	22.6	67.8	





#85

sec-Butylbenzene

Concen: 52.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

ClientSampled :

FL-0506MS

Tot Ion:105 Resp: 271009

Ion Ratio Lower Upper

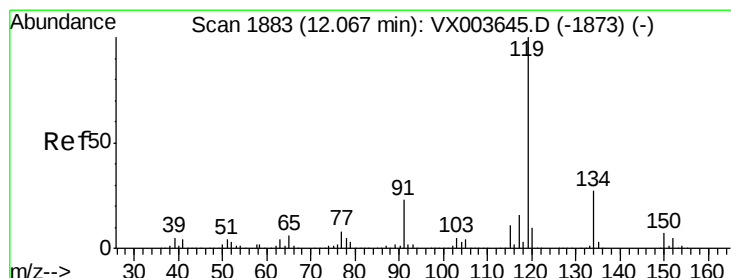
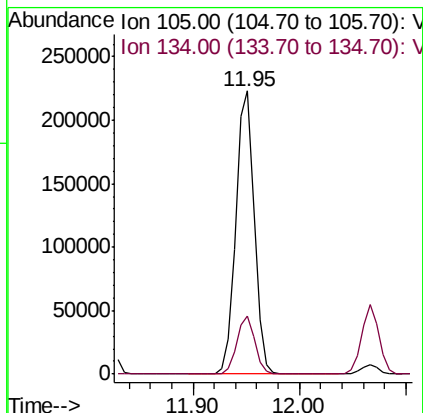
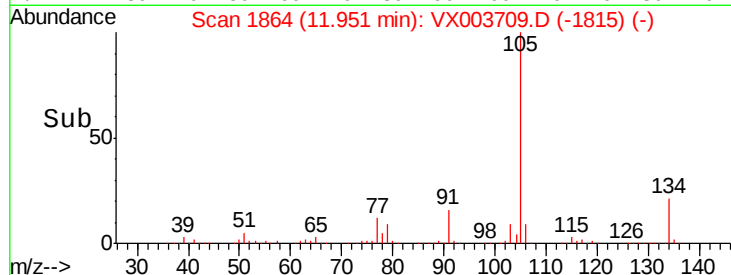
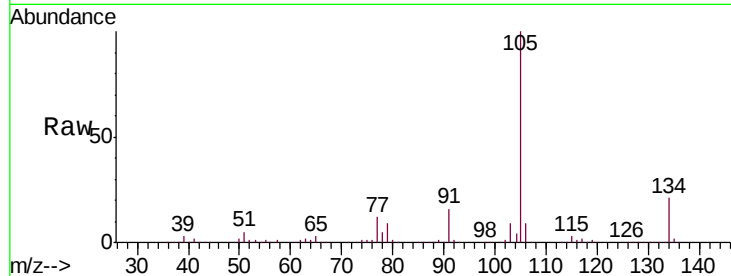
105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

MMDadoda

7/27/2018 5:41:16 PM



#86

p-Isopropyltoluene

Concen: 51.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

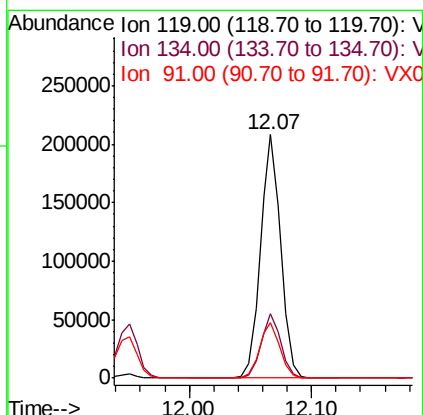
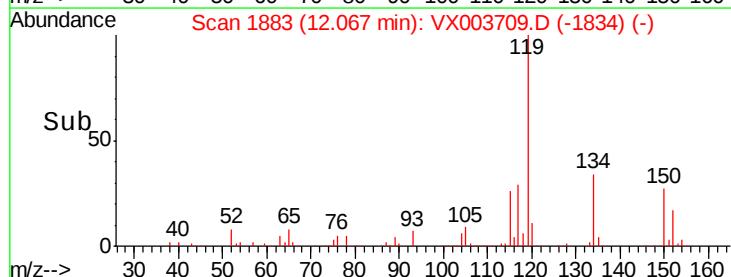
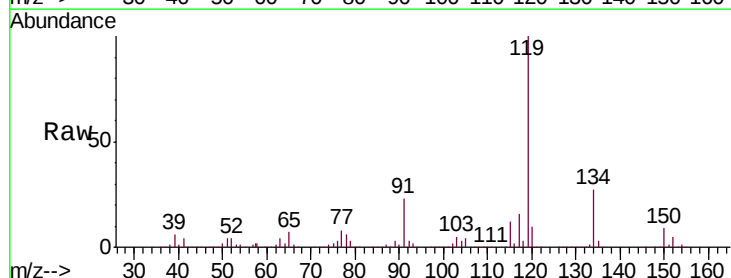
Tgt Ion:119 Resp: 239659

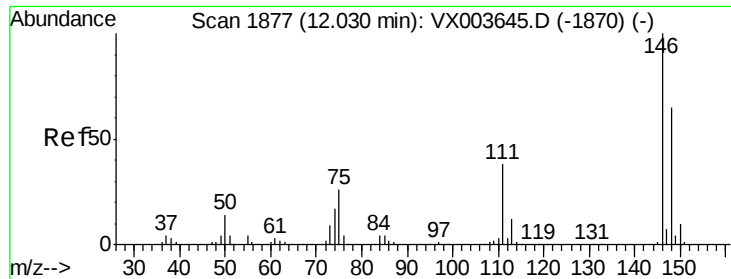
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 23.3 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 51.62 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

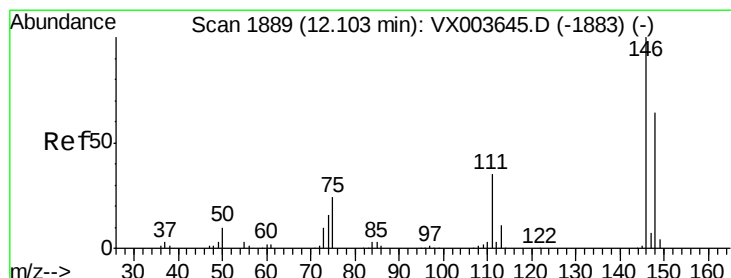
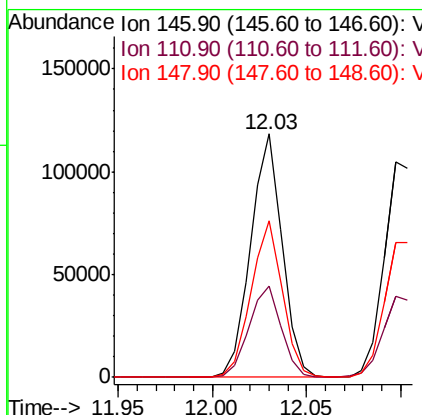
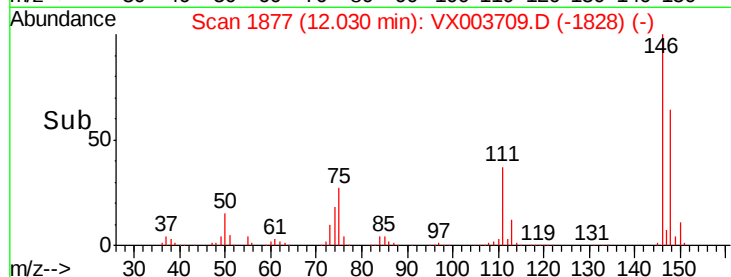
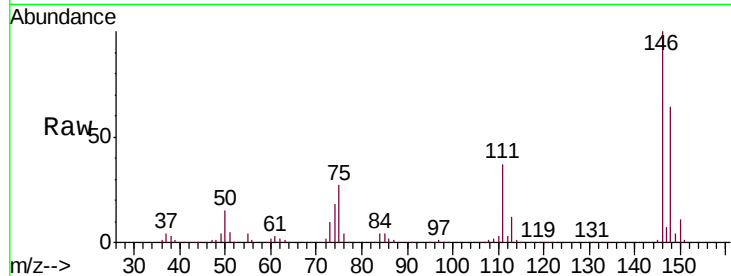
ClientSampled :

FL-0506MS

Tot Ion:	146	Resp:	137564
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.2
148	63.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#88

1,4-Dichlorobenzene

Concen: 47.54 ug/l

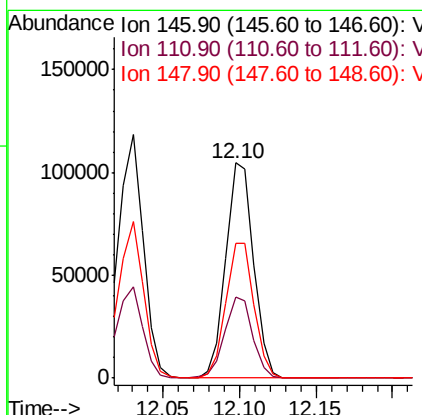
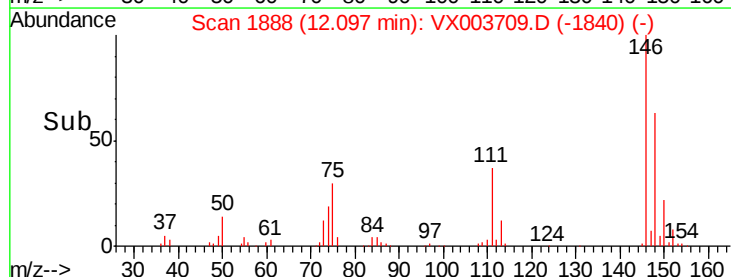
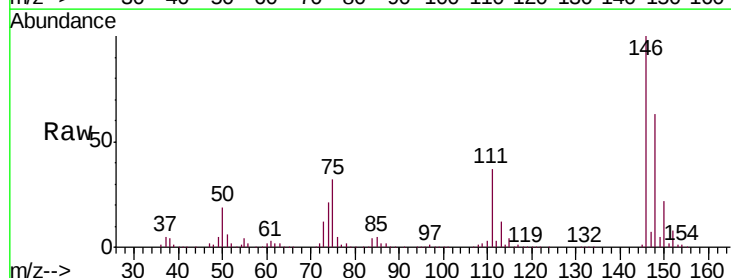
RT: 12.10 min Scan# 1888

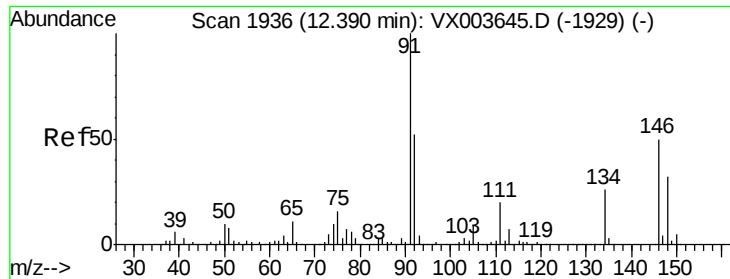
Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	146	Resp:	131730
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.6
148	63.9	32.0	96.2





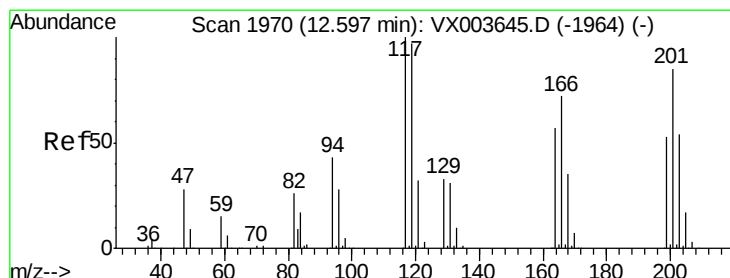
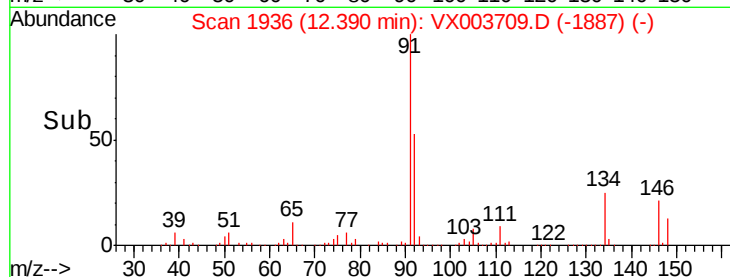
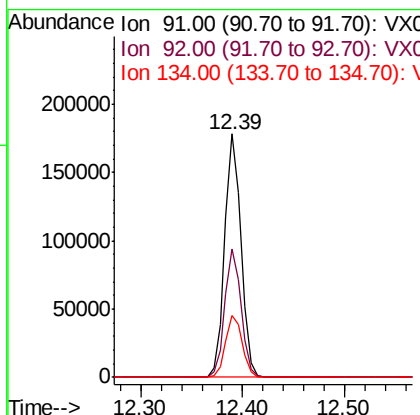
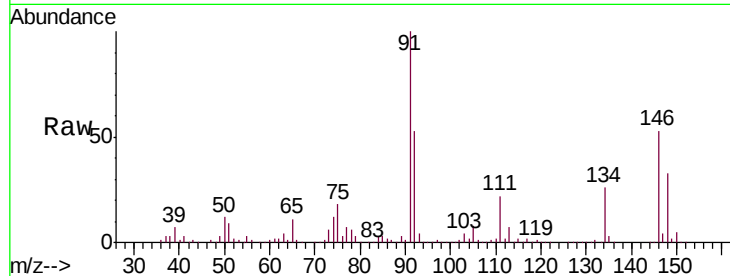
#89
n-Butylbenzene
Concen: 47.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Instrument :
MSVOA_X
ClientSampled :
FL-0506MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	25.8	13.3	39.8

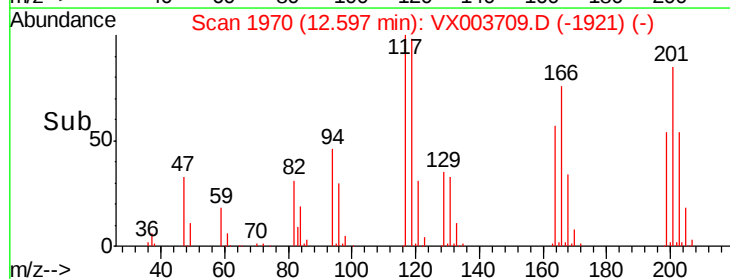
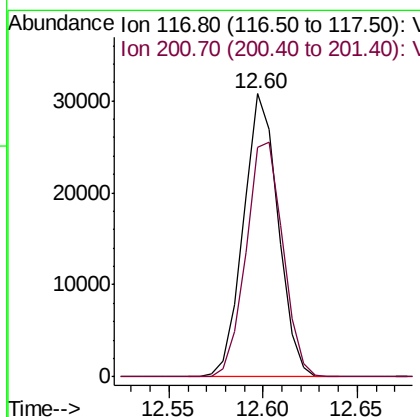
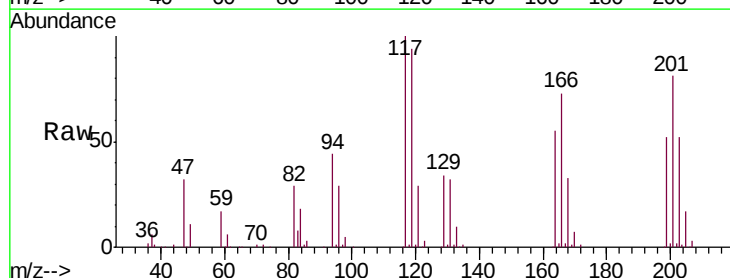
Manual Integrations
APPROVED

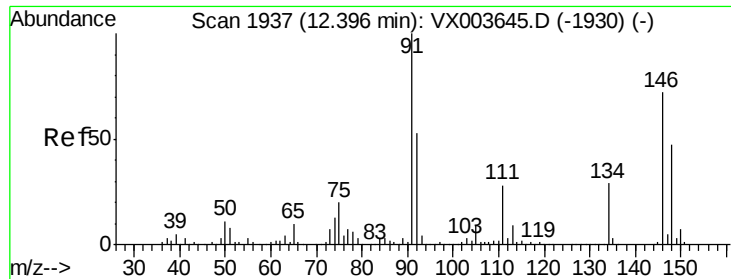
MMDadoda
7/27/2018 5:41:16 PM



#90
Hexachloroethane
Concen: 55.45 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003709.D
Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	46.2	138.5





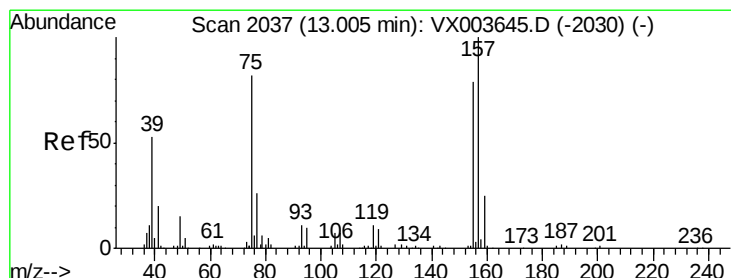
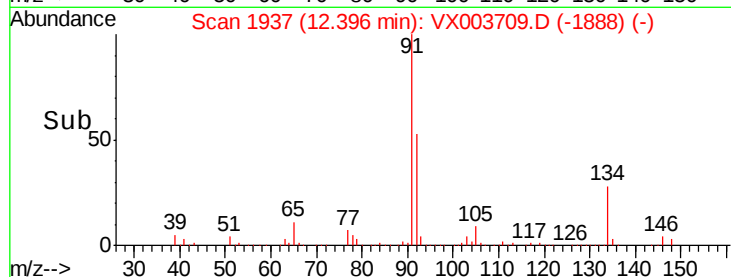
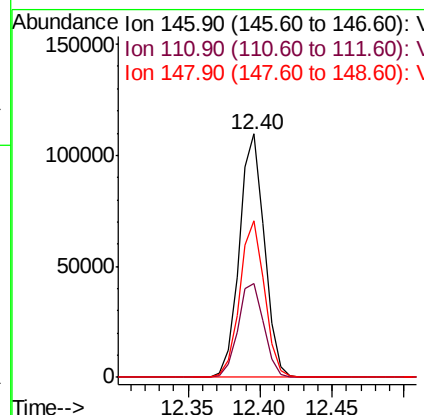
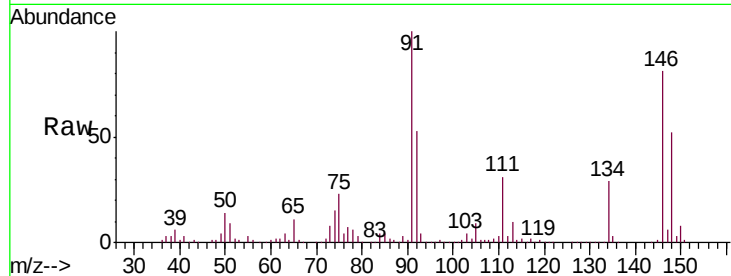
#91
 1,2-Dichlorobenzene
 Concen: 48.85 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0506MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	133015		
111	39.8	19.8	59.4	
148	63.6	32.2	96.6	

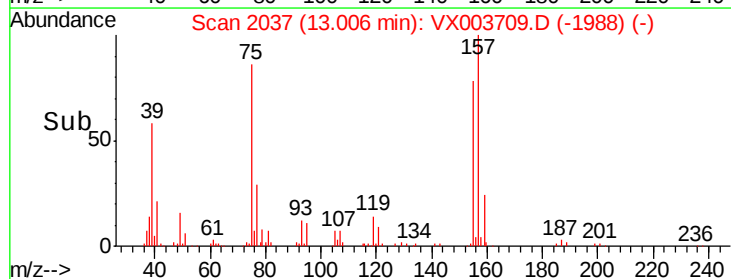
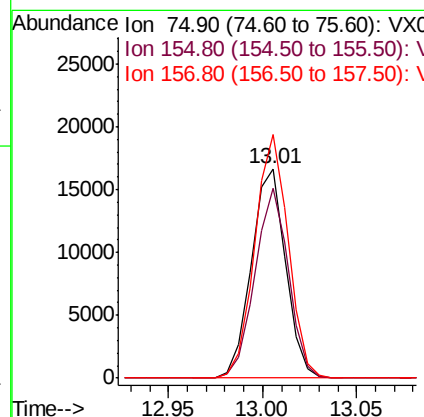
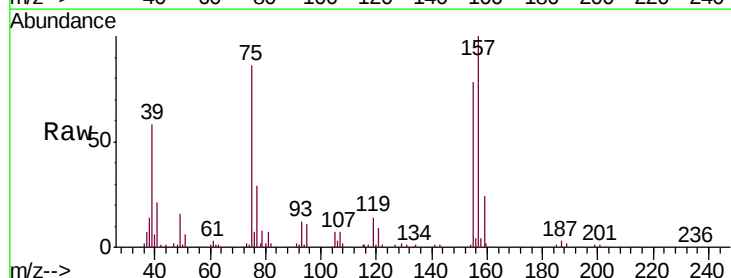
Manual Integrations
 APPROVED

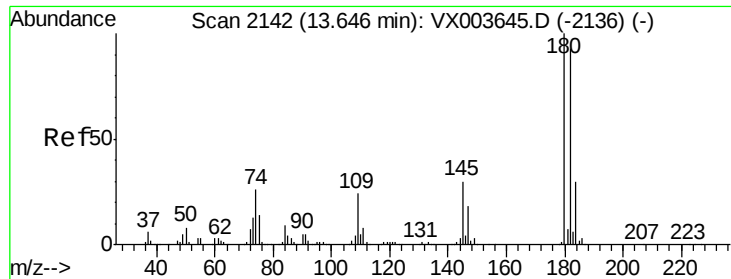
MMDadoda
 7/27/2018 5:41:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.79 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20976		
155	88.8	46.1	138.3	
157	113.4	59.7	179.0	





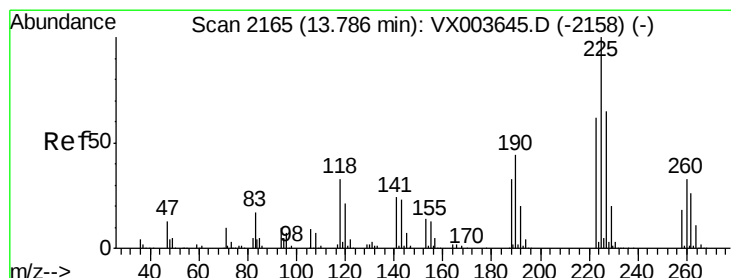
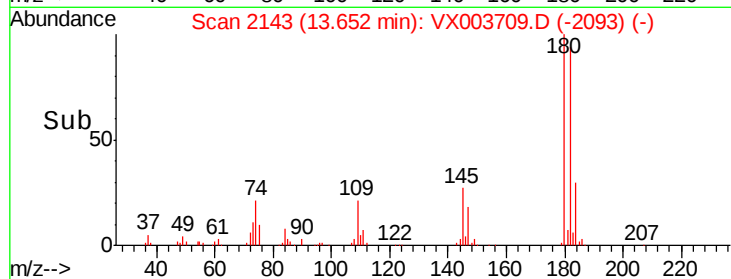
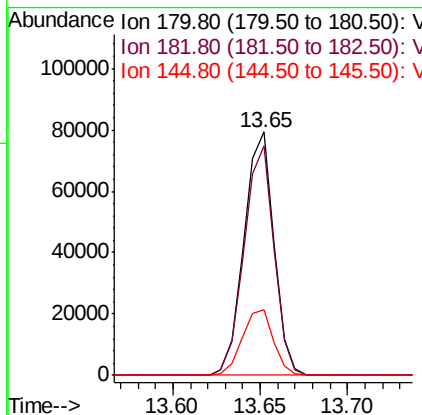
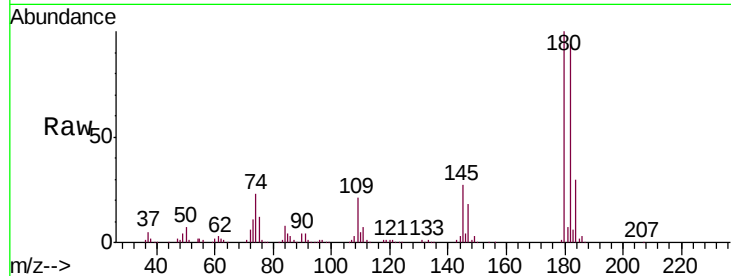
#93
 1,2,4-Trichlorobenzene
 Concen: 48.80 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0506MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.8
145	28.1	14.4	43.2

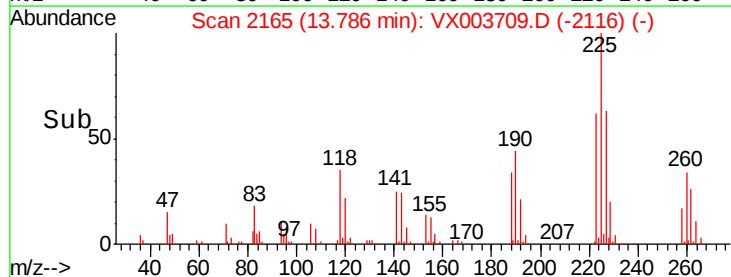
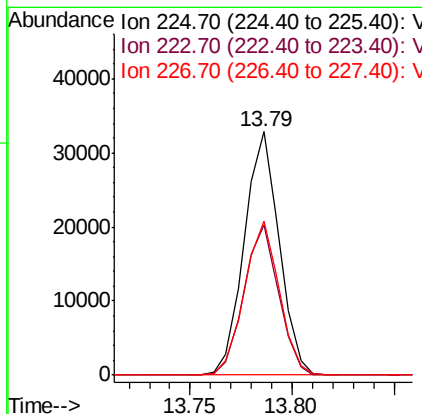
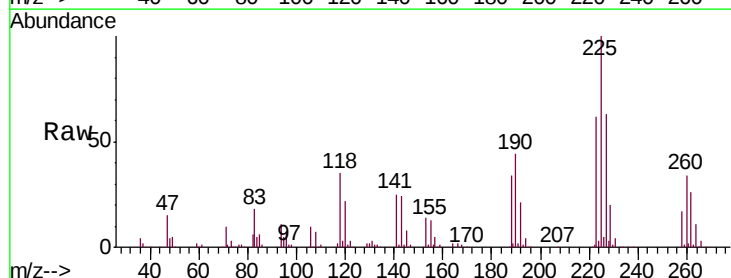
Manual Integrations
 APPROVED

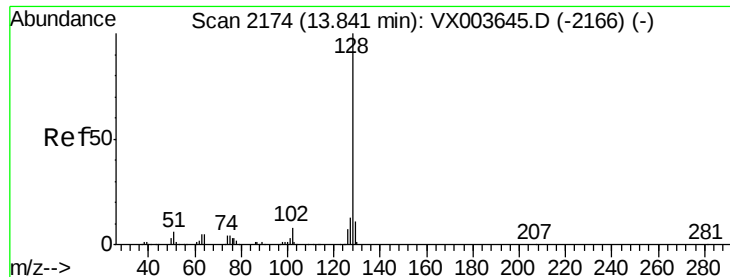
MMDadoda
 7/27/2018 5:41:16 PM



#94
 Hexachlorobutadiene
 Concen: 43.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003709.D
 Acq: 27 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.9	92.5
227	62.9	31.9	95.7





#95

Naphthalene

Concen: 51.73 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Instrument :

MSVOA_X

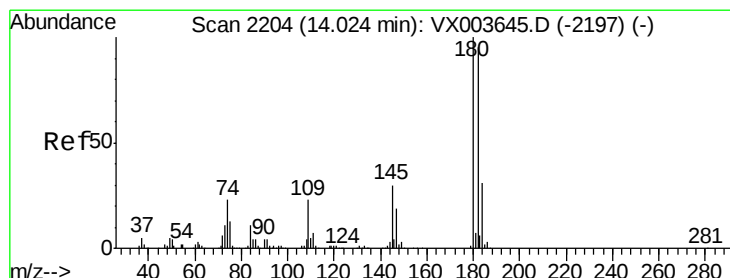
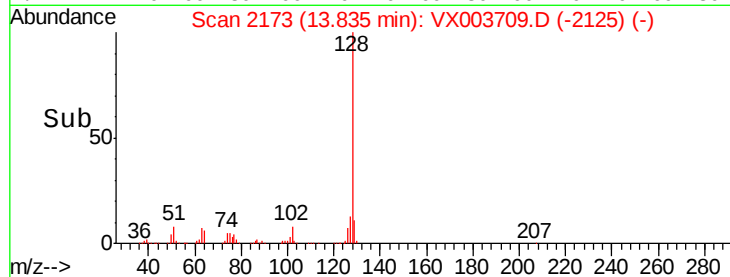
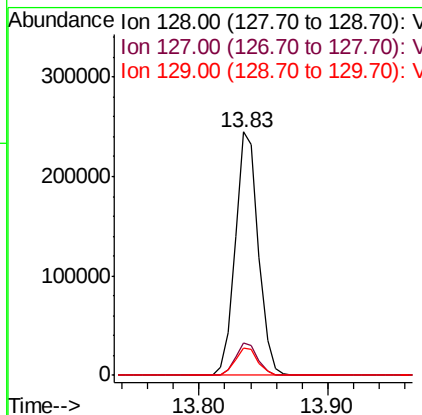
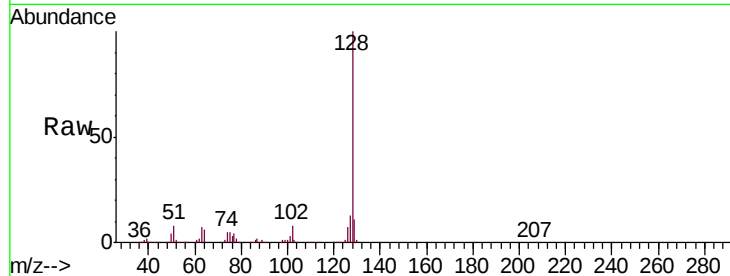
ClientSampleId :

FL-0506MS

Tot Ion:	128	Resp:	303985
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.61 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003709.D

Acq: 27 Jul 2018 10:00

Tgt Ion:	180	Resp:	95948
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	30.1	15.0	45.1

