

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072518\
 Data File : VX003654.D
 Acq On : 25 Jul 2018 13:12
 Operator : JC/SP
 Sample : VX0725WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:29:36 PM

Quant Time: Jul 27 04:12:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	102345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	140258	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	77569	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	5.51	113	62811	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	8.72	98	221106	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.14	95	81634	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22678	19.46	ug/l	99
3) Chloromethane	1.32	50	32362	21.08	ug/l	99
4) Vinyl Chloride	1.40	62	34362	21.88	ug/l	98
5) Bromomethane	1.64	94	24008	31.66	ug/l	94
6) Chloroethane	1.72	64	21799	19.80	ug/l	96
7) Trichlorofluoromethane	1.93	101	45358	22.44	ug/l	98
8) Diethyl Ether	2.19	74	19212	21.69	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26862	21.59	ug/l	98
10) Methyl Iodide	2.51	142	30997	20.48	ug/l	99
11) Tert butyl alcohol	3.08	59	40643	112.15	ug/l	99
12) 1,1-Dichloroethene	2.37	96	25719	21.73	ug/l	95
13) Acrolein	2.29	56	18774	104.83	ug/l	97
14) Allyl chloride	2.73	41	54690	22.16	ug/l	98
15) Acrylonitrile	3.15	53	97796	111.69	ug/l	98
16) Acetone	2.45	43	76084	106.83	ug/l	98
17) Carbon Disulfide	2.57	76	72404	21.26	ug/l	99
18) Methyl Acetate	2.78	43	47784	22.21	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	92540	22.13	ug/l	97
20) Methylene Chloride	2.86	84	30827	21.84	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	28403	22.31	ug/l	99
22) Diisopropyl ether	3.88	45	92663	20.57	ug/l	92
23) Vinyl Acetate	3.83	43	399609	103.54	ug/l	100
24) 1,1-Dichloroethane	3.70	63	55988	22.05	ug/l	99
25) 2-Butanone	4.71	43	117841	107.10	ug/l	100
26) 2,2-Dichloropropane	4.59	77	37316	23.24	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	30605	22.14	ug/l	96
28) Bromochloromethane	5.02	49	20888	20.50	ug/l	99
29) Tetrahydrofuran	5.17	42	74149	103.53	ug/l	98
30) Chloroform	5.22	83	48543	21.08	ug/l	96
31) Cyclohexane	5.58	56	40919	20.07	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	39281	20.54	ug/l	97
36) 1,1-Dichloropropene	5.80	75	34915	21.30	ug/l	99
37) Ethyl Acetate	4.87	43	44988	22.82	ug/l	99
38) Carbon Tetrachloride	5.79	117	34033	21.54	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072518\
 Data File : VX003654.D
 Acq On : 25 Jul 2018 13:12
 Operator : JC/SP
 Sample : VX0725WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0725WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:29:36 PM

Quant Time: Jul 27 04:12:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36824	20.41	ug/l	97
40) Benzene	6.15	78	104340	21.51	ug/l	99
41) Methacrylonitrile	5.07	41	24004	21.99	ug/l	98
42) 1,2-Dichloroethane	6.20	62	37715	22.09	ug/l	98
43) Isopropyl Acetate	6.47	43	58872	20.47	ug/l	99
44) Trichloroethene	7.21	130	24939	19.17	ug/l	97
45) 1,2-Dichloropropane	7.52	63	29363	23.41	ug/l	96
46) Dibromomethane	7.67	93	17024	21.13	ug/l	97
47) Bromodichloromethane	7.90	83	32004	21.19	ug/l	98
48) Methyl methacrylate	7.78	41	33080	22.67	ug/l	97
49) 1,4-Dioxane	7.76	88	14528	446.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	199196	102.66	ug/l	98
52) Toluene	8.79	92	60799	20.16	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	34359	20.54	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	37583	20.42	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	26041	21.13	ug/l	99
56) Ethyl methacrylate	9.18	69	37986	20.71	ug/l	94
57) 1,3-Dichloropropane	9.38	76	48608	23.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	97359	105.62	ug/l	98
59) 2-Hexanone	9.50	43	173014	116.24	ug/l	99
60) Dibromochloromethane	9.59	129	26727	22.86	ug/l	99
61) 1,2-Dibromoethane	9.68	107	28655	22.32	ug/l	100
64) Tetrachloroethene	9.34	164	26268	19.39	ug/l	98
65) Chlorobenzene	10.14	112	74428	19.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	24091	18.59	ug/l	100
67) Ethyl Benzene	10.26	91	124139	19.89	ug/l	100
68) m/p-Xylenes	10.36	106	97884	40.88	ug/l	99
69) o-Xylene	10.70	106	49165	21.33	ug/l	98
70) Styrene	10.71	104	83267	21.51	ug/l	100
71) Bromoform	10.86	173	20564	20.06	ug/l #	100
73) Isopropylbenzene	11.02	105	123931	22.18	ug/l	99
74) N-amyl acetate	6.47	43	58872	20.20	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	45838	22.21	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	39601m	23.08	ug/l	
77) Bromobenzene	11.26	156	33547	22.10	ug/l	99
78) n-propylbenzene	11.36	91	137520	21.31	ug/l	99
79) 2-Chlorotoluene	11.42	91	86019	21.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	101714	21.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	11597	20.94	ug/l	91
82) 4-Chlorotoluene	11.51	91	96366	20.86	ug/l	100
83) tert-Butylbenzene	11.77	119	101295	21.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	106564	21.93	ug/l	99
85) sec-Butylbenzene	11.95	105	119148	21.58	ug/l	100
86) p-Isopropyltoluene	12.07	119	100166	20.21	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	55707	19.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	58522	19.91	ug/l	98
89) n-Butylbenzene	12.39	91	99345	22.24	ug/l	98
90) Hexachloroethane	12.60	117	15828	21.09	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	65130	22.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9654	22.47	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072518\
Data File : VX003654.D
Acq On : 25 Jul 2018 13:12
Operator : JC/SP
Sample : VX0725WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

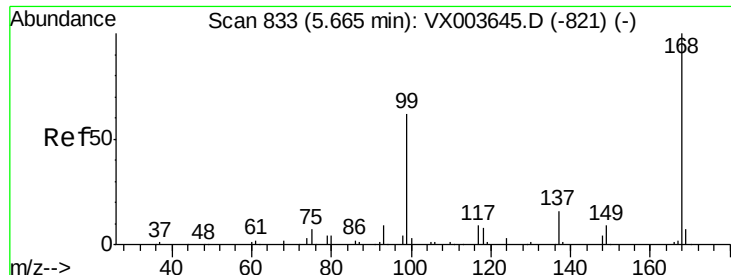
Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM

Quant Time: Jul 27 04:12:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47636	23.12	ug/l	99
94) Hexachlorobutadiene	13.79	225	20645	21.65	ug/l	99
95) Naphthalene	13.83	128	145083	23.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	46788	22.35	ug/l	100

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



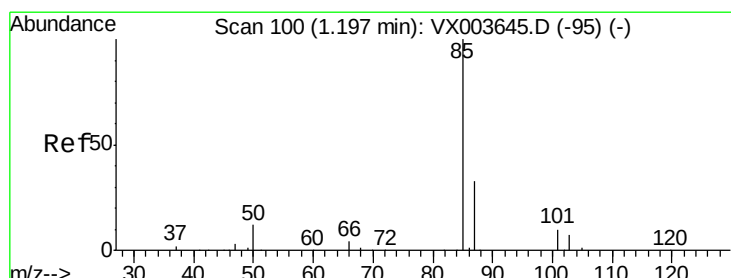
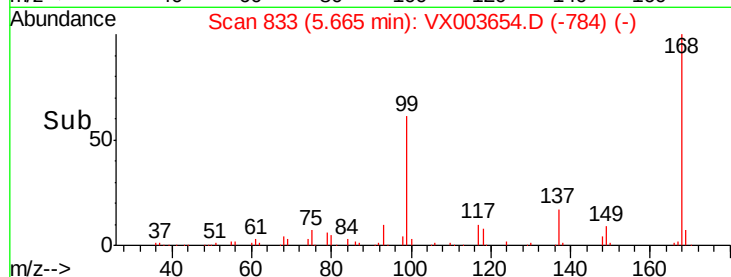
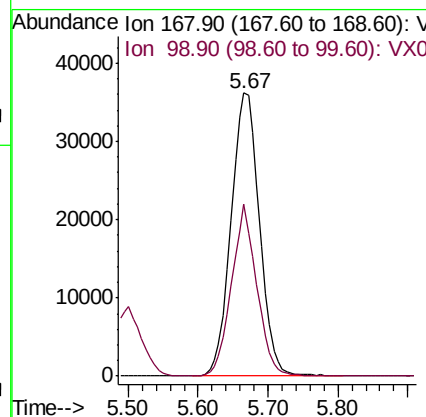
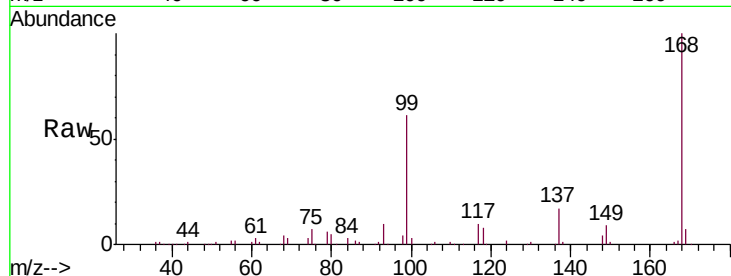
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	60.9	49.5	74.3

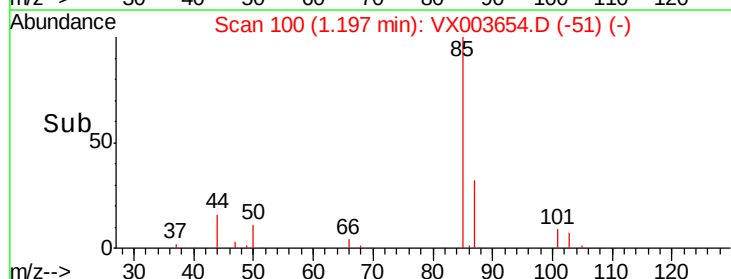
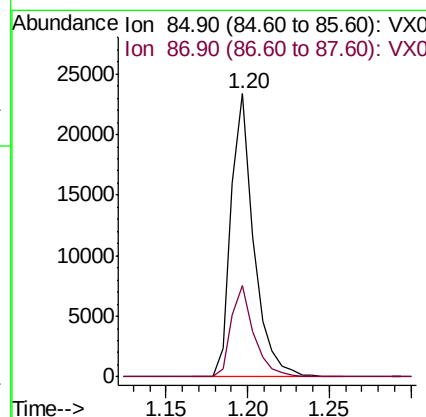
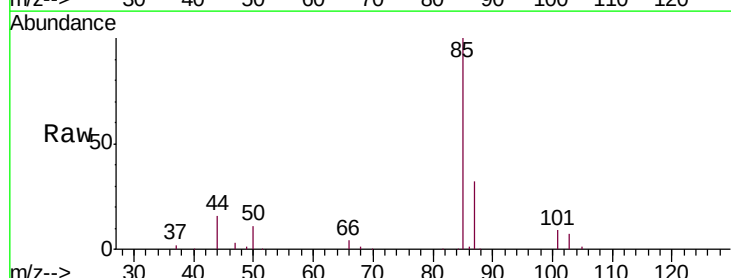
Manual Integrations
APPROVED

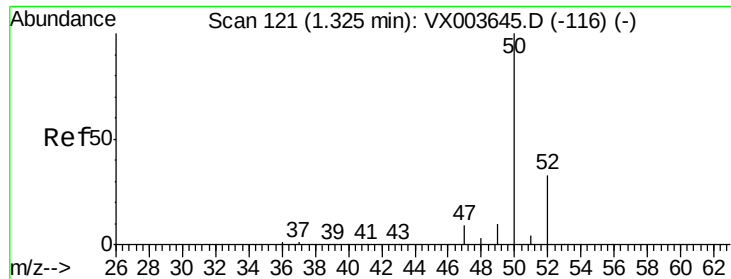
MMDadoda
7/27/2018 5:29:36 PM



#2
Dichlorodifluoromethane
Concen: 19.46 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.5	49.5





#3

Chloromethane

Concen: 21.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion: 50 Resp: 32362

Ion Ratio Lower Upper

50 100

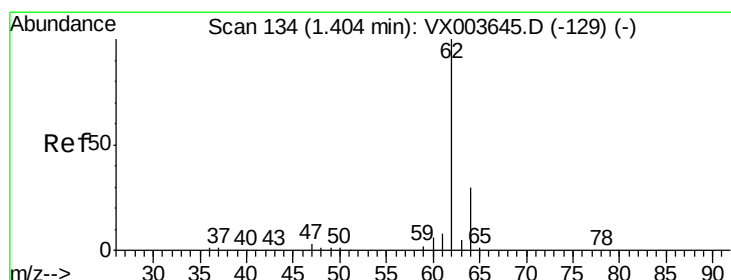
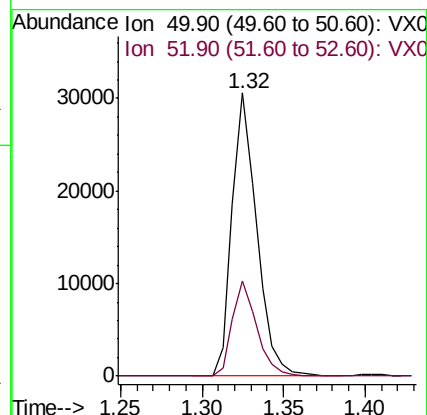
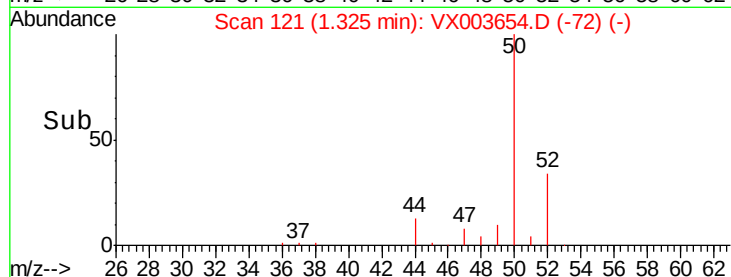
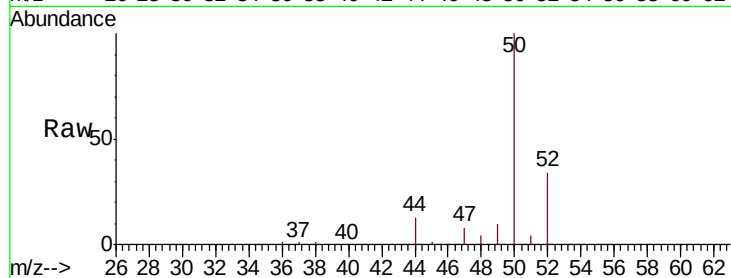
52 33.7 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



#4

Vinyl Chloride

Concen: 21.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003654.D

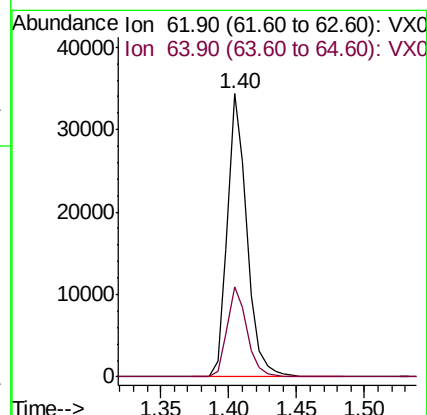
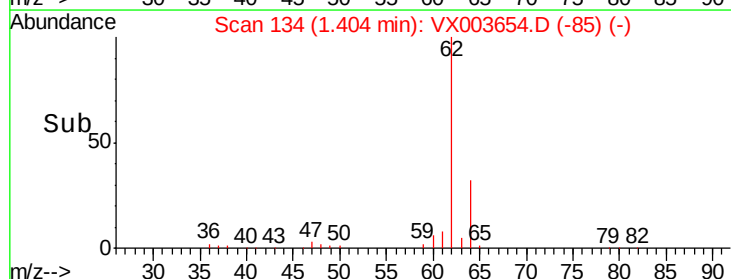
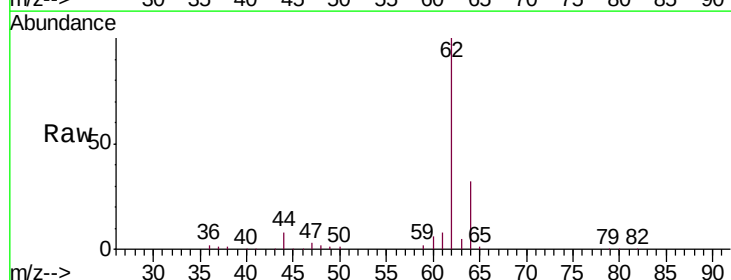
Acq: 25 Jul 2018 13:12

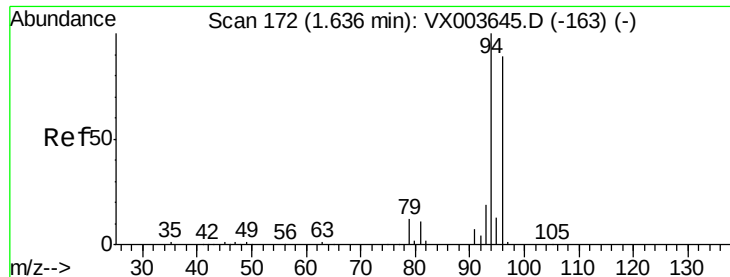
Tgt Ion: 62 Resp: 34362

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6





#5

Bromomethane

Concen: 31.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampled :

VX0725WBS01

Tot Ion: 94 Resp: 24008

Ion Ratio Lower Upper

94 100

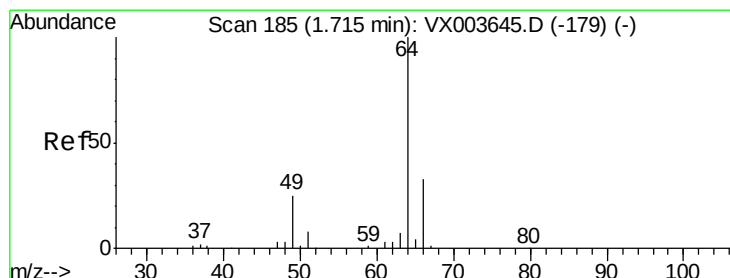
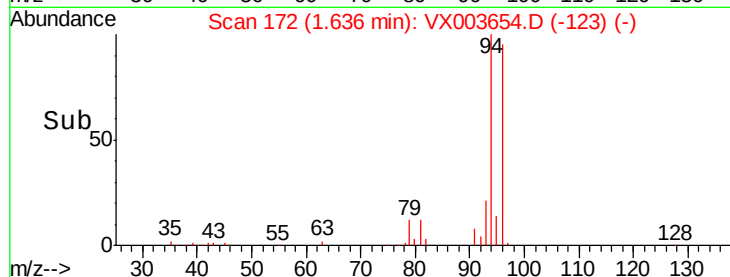
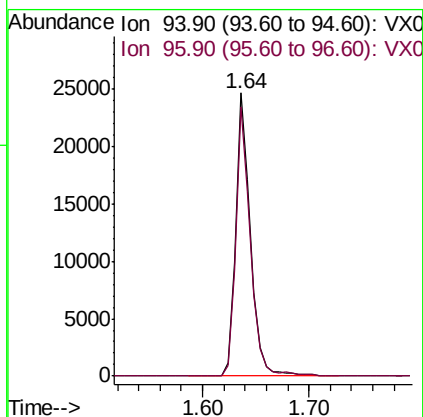
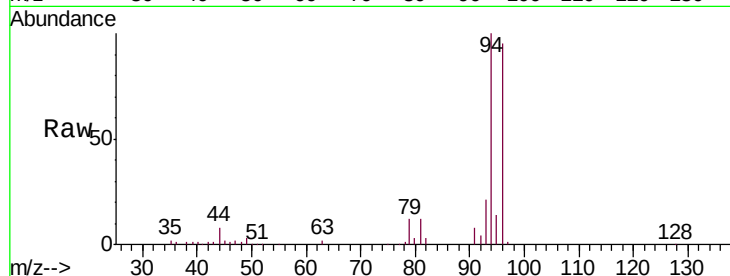
96 95.1 71.3 106.9

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



#6

Chloroethane

Concen: 19.80 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003654.D

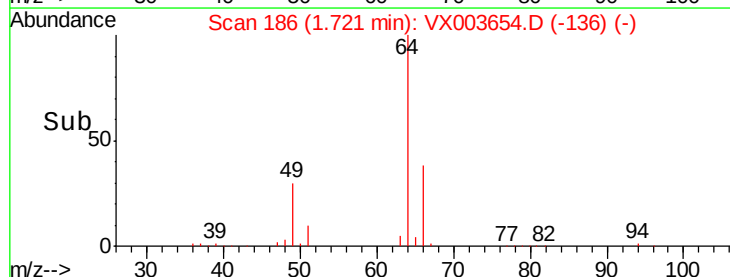
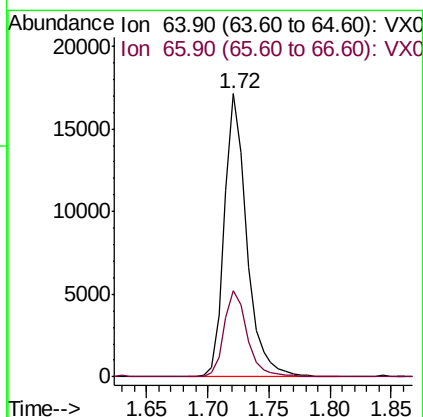
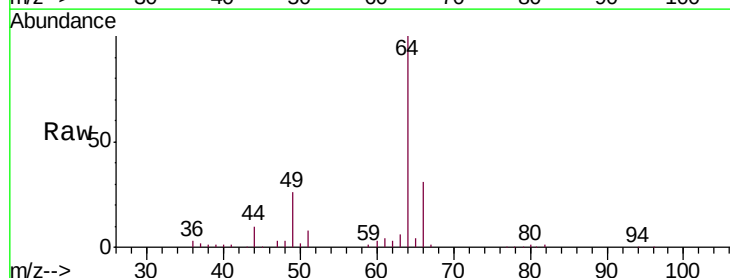
Acq: 25 Jul 2018 13:12

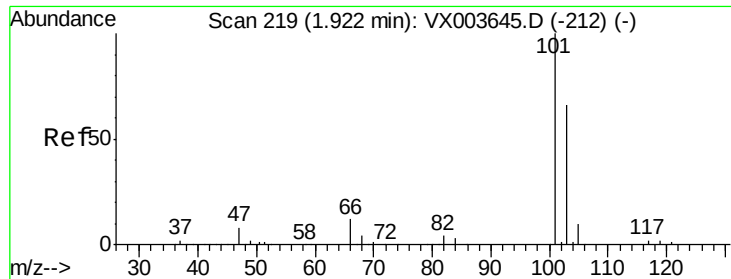
Tgt Ion: 64 Resp: 21799

Ion Ratio Lower Upper

64 100

66 30.6 26.3 39.5





#7

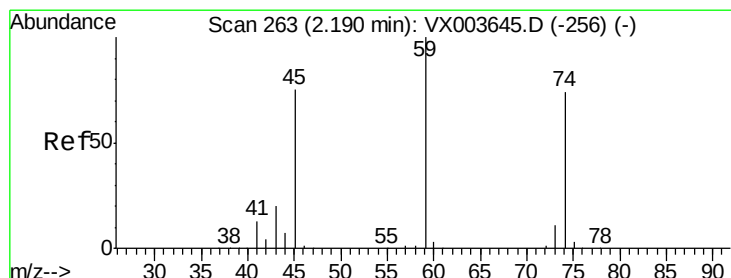
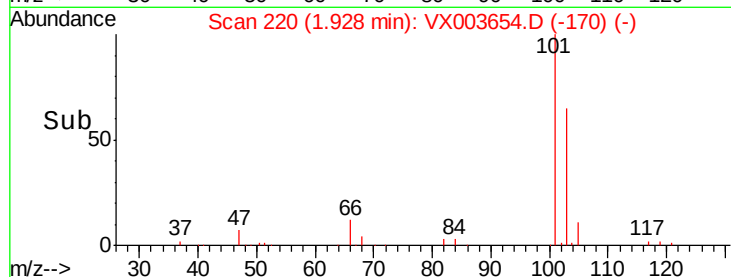
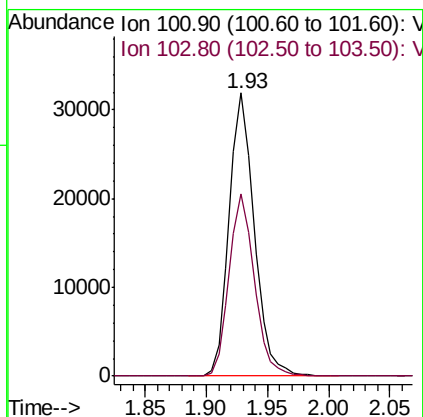
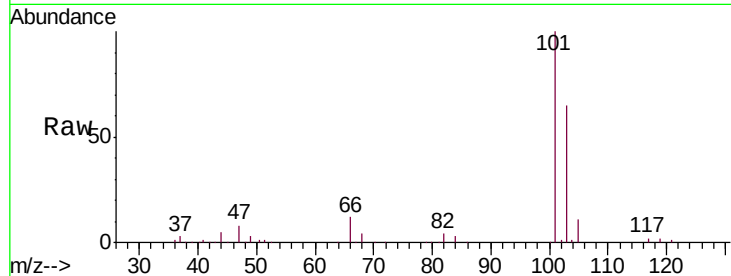
Trichlorofluoromethane
Concen: 22.44 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion:101 Resp: 45358
Ion Ratio Lower Upper
101 100
103 64.5 53.2 79.8

Manual Integrations
APPROVED

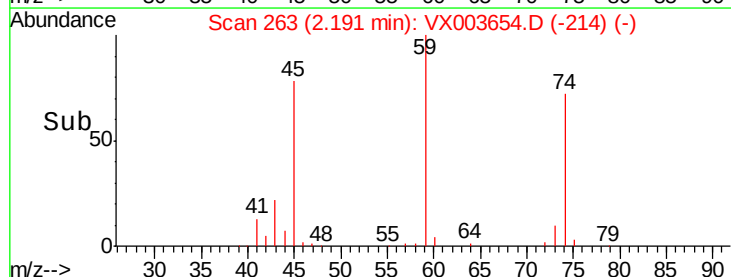
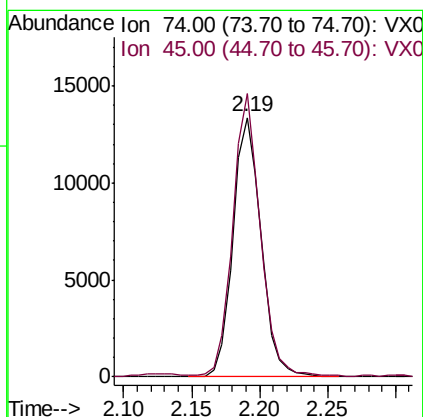
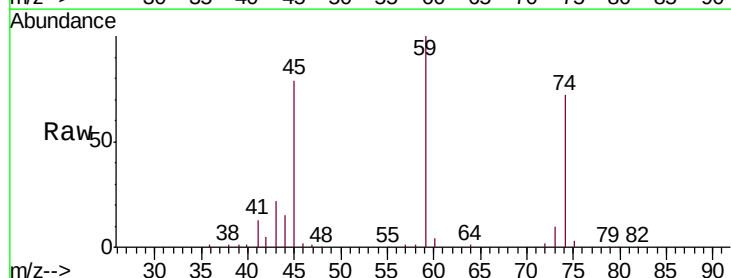
MMDadoda
7/27/2018 5:29:36 PM

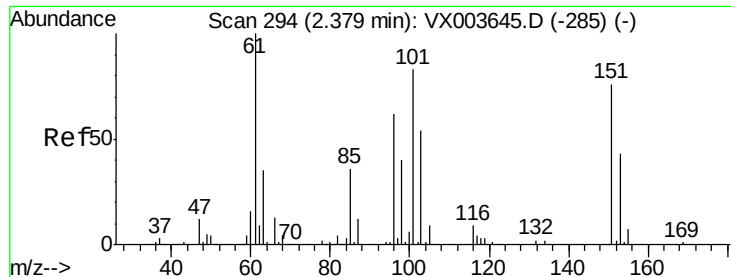


#8

Diethyl Ether
Concen: 21.69 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion: 74 Resp: 19212
Ion Ratio Lower Upper
74 100
45 108.3 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.59 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

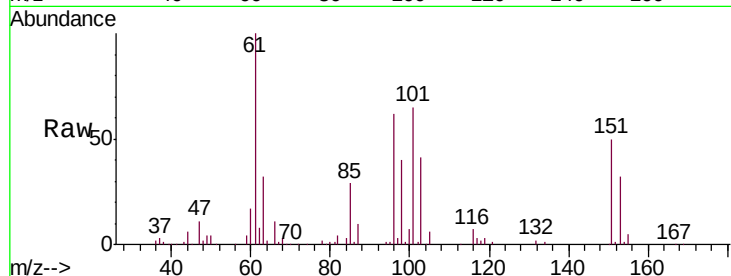
ClientSampleId :

VX0725WBS01

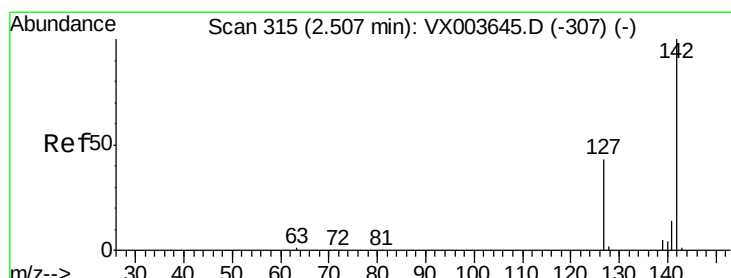
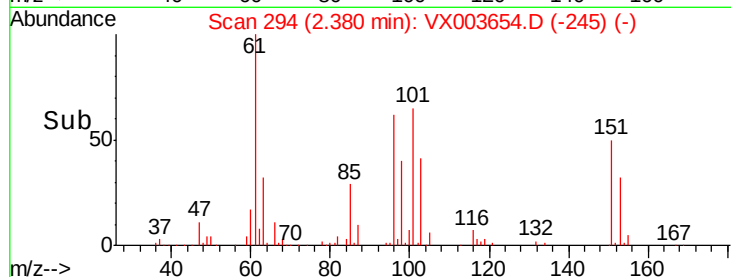
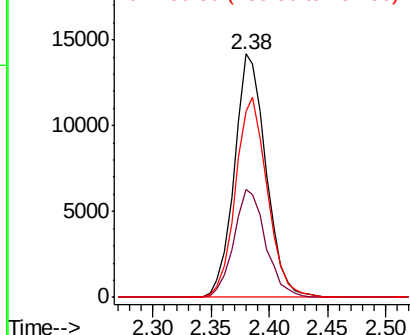
Tot Ion:	101	Resp:	26862
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.6	52.0
151	82.4	67.5	101.3

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.48 ug/l

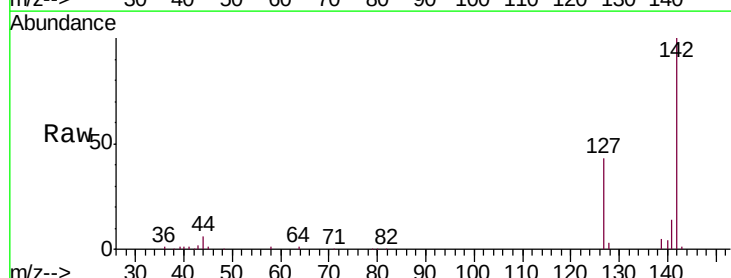
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

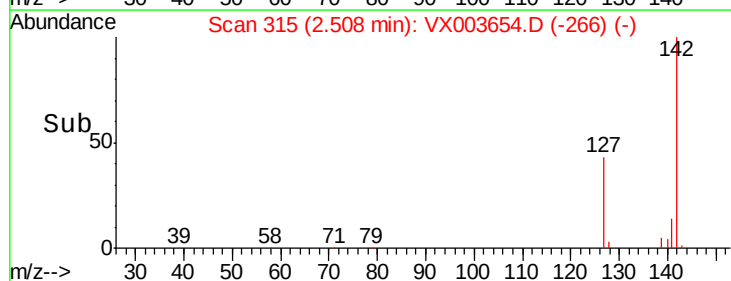
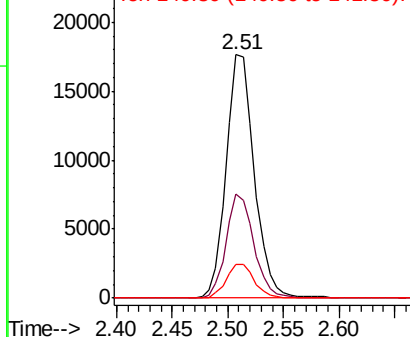
Lab File: VX003654.D

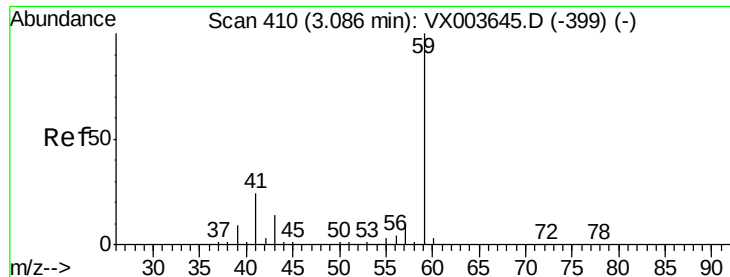
Acq: 25 Jul 2018 13:12

Tgt Ion:	142	Resp:	30997
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.0	51.0
141	13.8	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

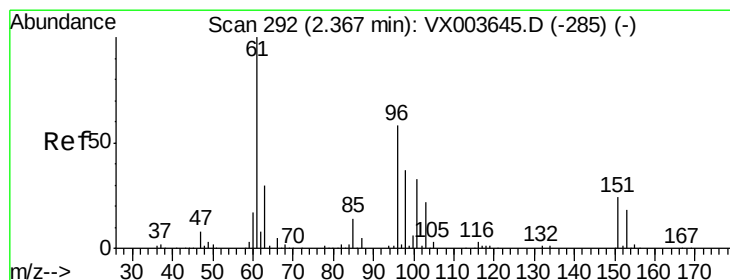
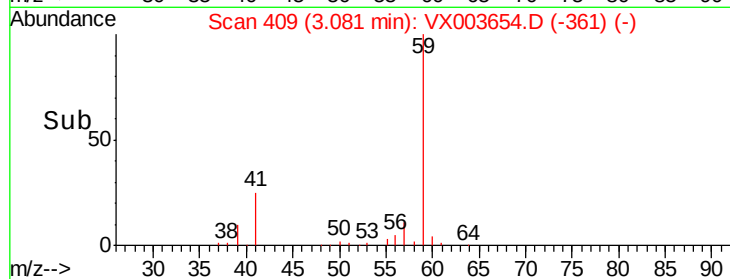
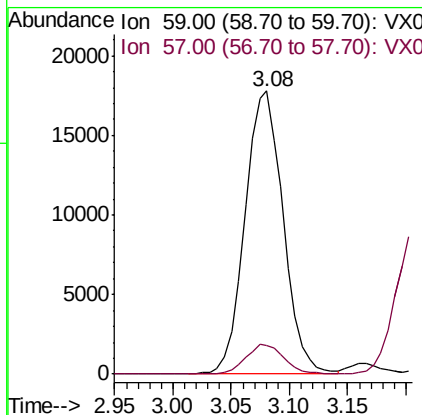
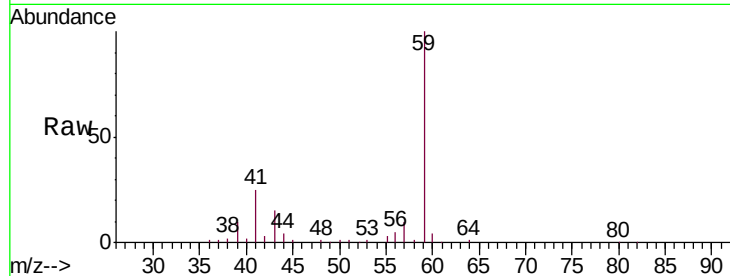
Tert butyl alcohol
 Concen: 112.15 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
 APPROVED

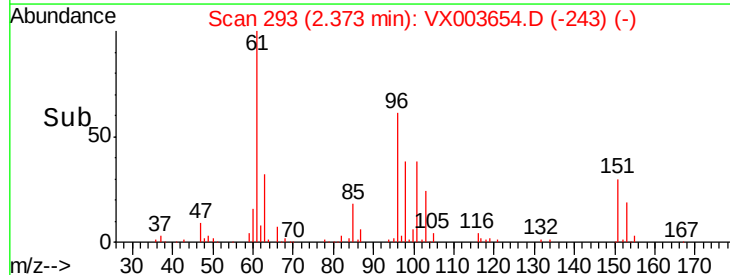
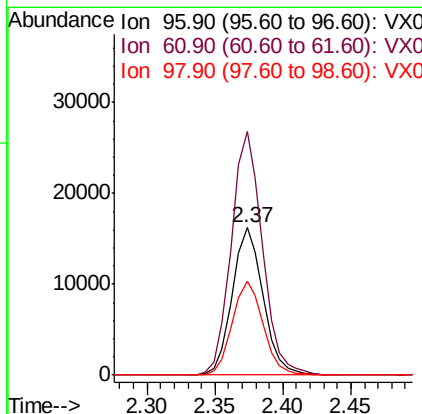
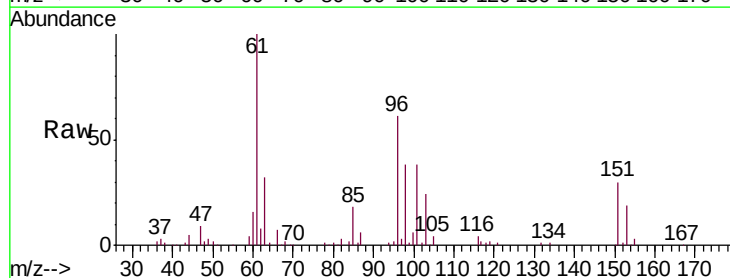
MMDadoda
 7/27/2018 5:29:36 PM

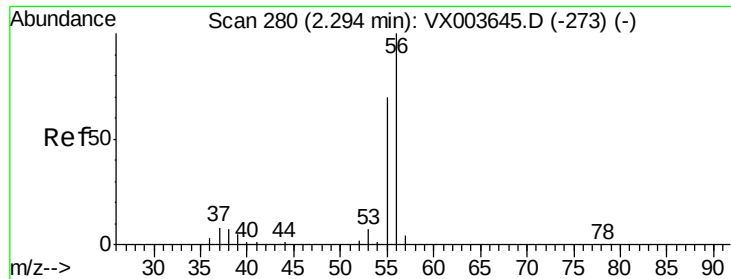


#12

1,1-Dichloroethene
 Concen: 21.73 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	138.8	208.2
98	63.5	51.4	77.2





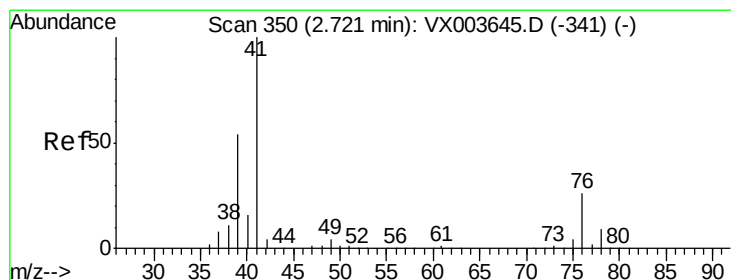
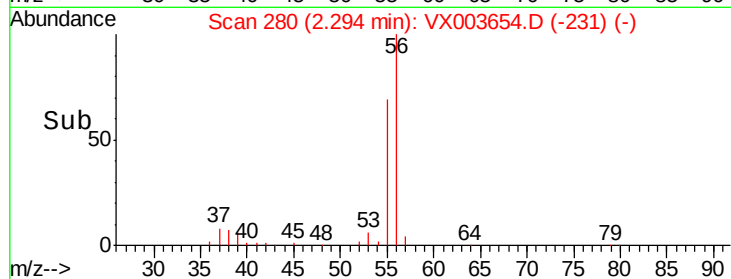
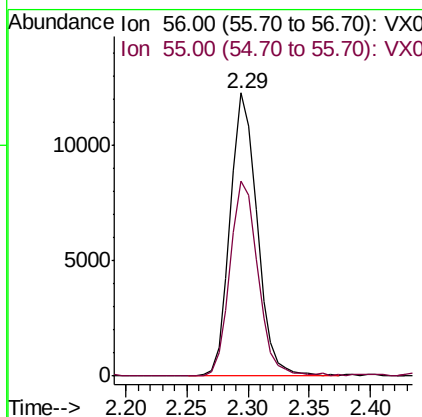
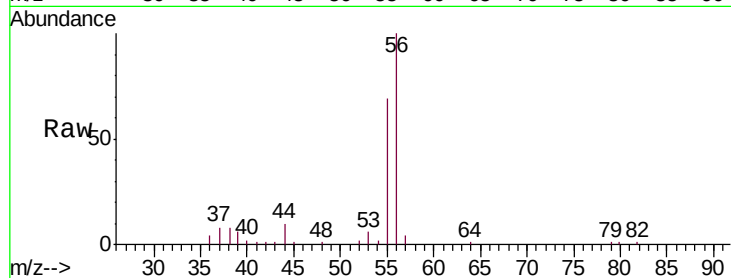
#13
 Acrolein
 Concen: 104.83 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0725WBS01

Tot Ion	56	55	Ratio	100	71.4	Resp	18774	Lower	55.4	Upper	83.2
Ion	56	55	Ratio	100	71.4	Resp	18774	Lower	55.4	Upper	83.2

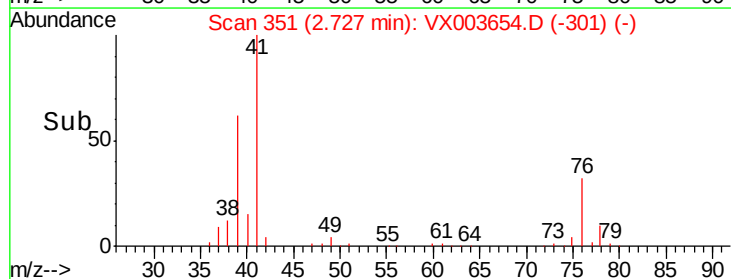
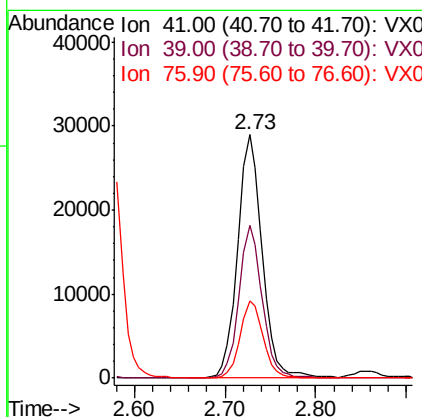
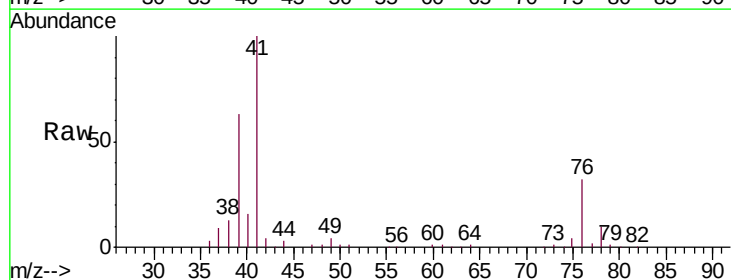
Manual Integrations
 APPROVED

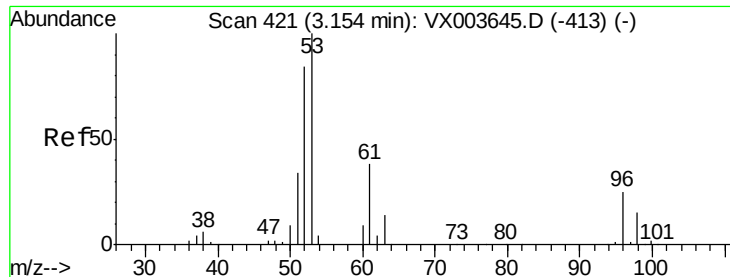
MMDadoda
 7/27/2018 5:29:36 PM



#14
 Allyl chloride
 Concen: 22.16 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	41	39	76	Ratio	100	58.4	29.8	Resp	54690	Lower	45.3	Upper	67.9	35.6
Ion	41	39	76	Ratio	100	58.4	29.8	Resp	54690	Lower	45.3	Upper	67.9	35.6





#15

Acrylonitrile

Concen: 111.69 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

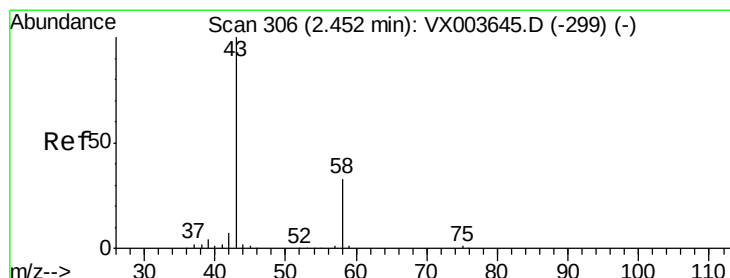
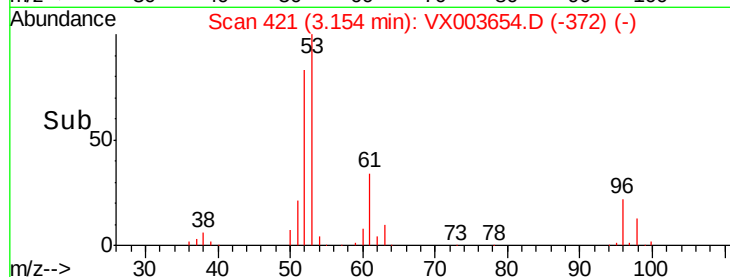
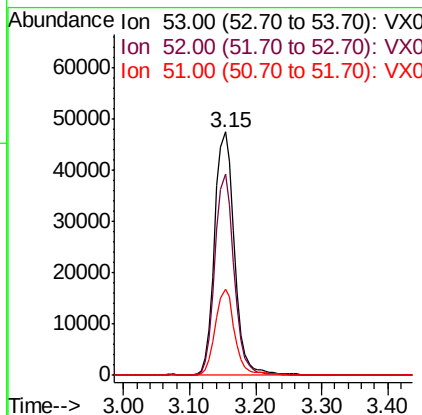
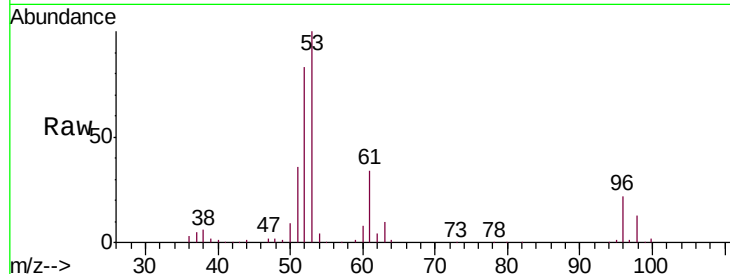
ClientSampleId :

VX0725WBS01

Tot Ion:	53	Resp:	97796
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.1	99.1
51	34.9	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#16

Acetone

Concen: 106.83 ug/l

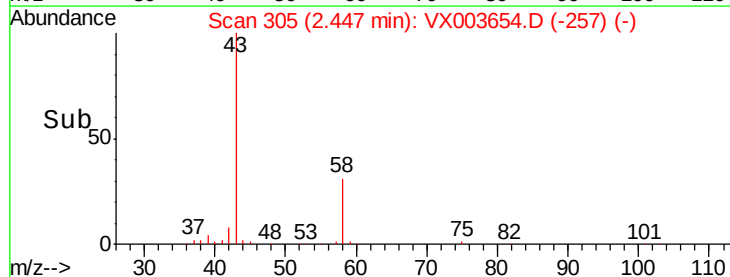
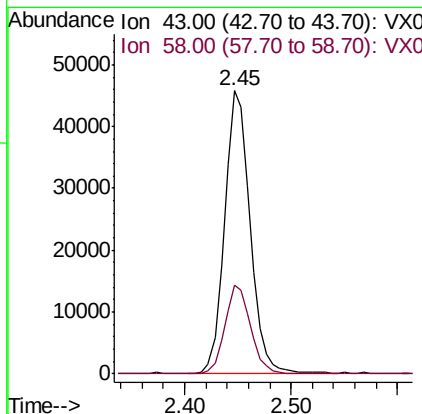
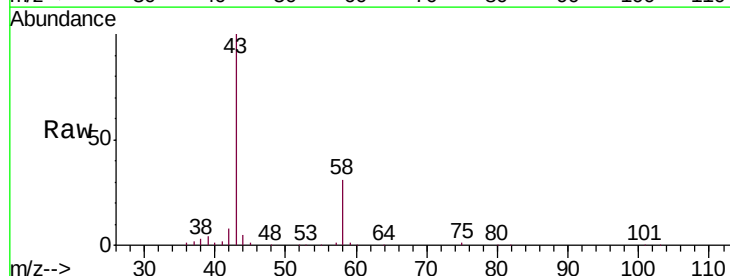
RT: 2.45 min Scan# 305

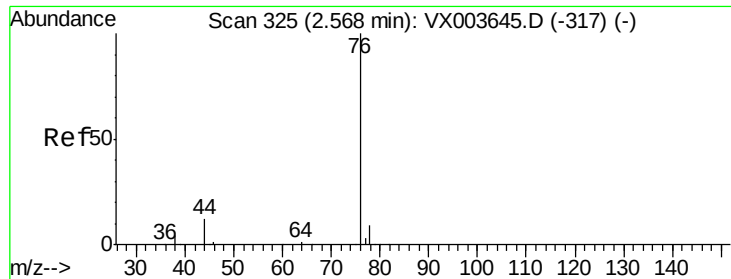
Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	43	Resp:	76084
Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.1	39.1





#17

Carbon Disulfide

Concen: 21.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion: 76 Resp: 72404

Ion Ratio Lower Upper

76 100

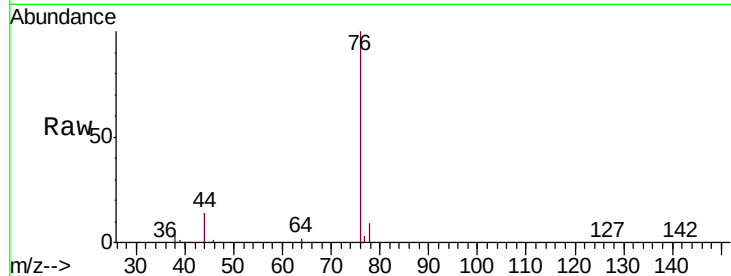
78 9.5 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

30000

20000

10000

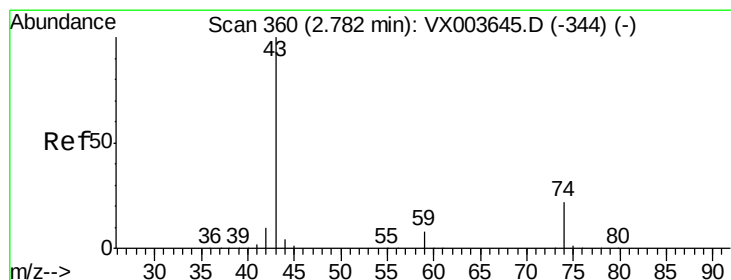
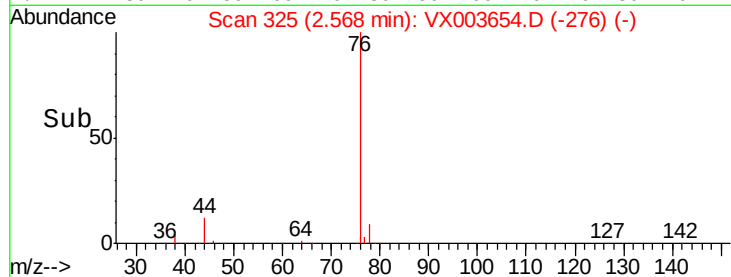
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 22.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003654.D

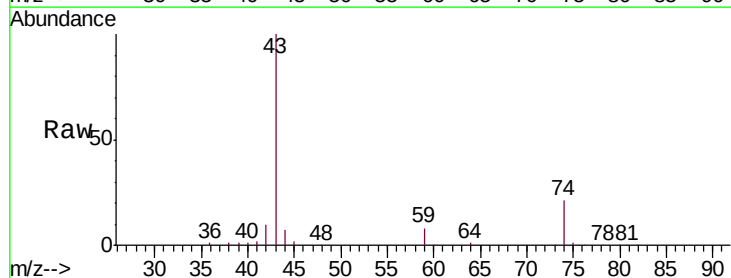
Acq: 25 Jul 2018 13:12

Tgt Ion: 43 Resp: 47784

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

25000

20000

15000

10000

5000

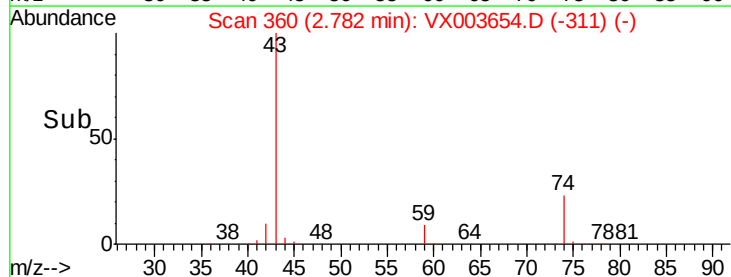
0

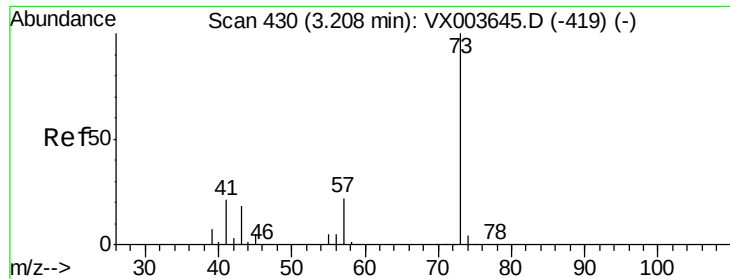
Time-->

2.70

2.80

2.90





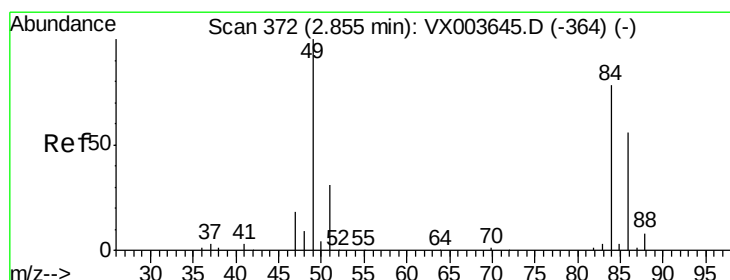
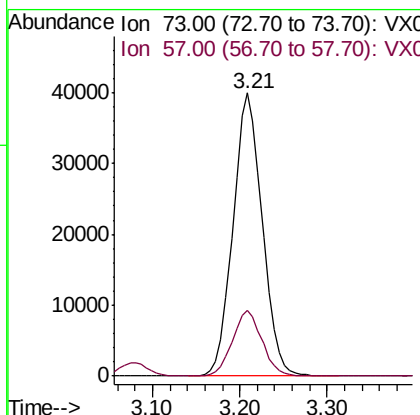
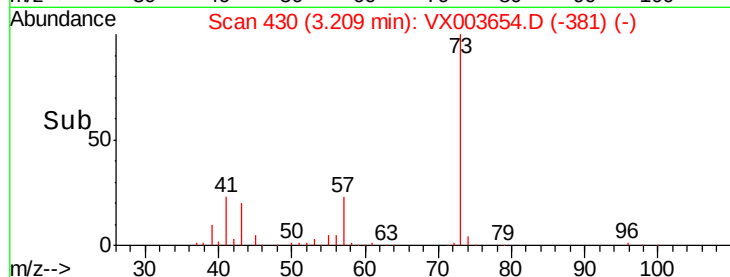
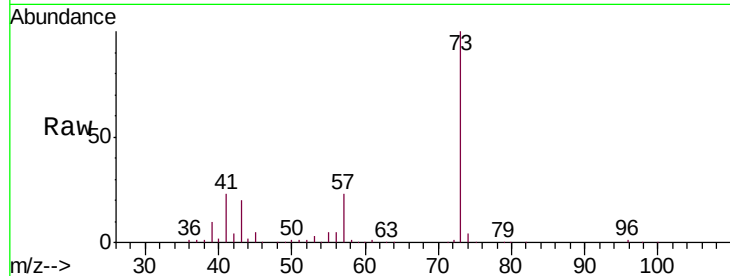
#19
Methyl tert-butyl Ether
Concen: 22.13 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0725WBS01

Tot Ion: 73 Resp: 92540
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.2

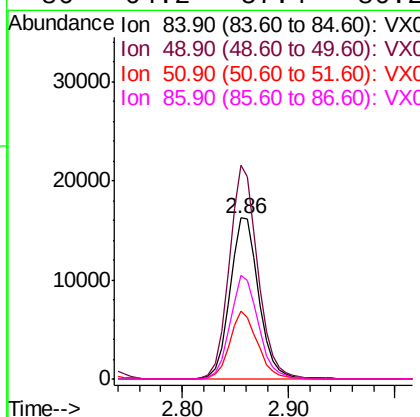
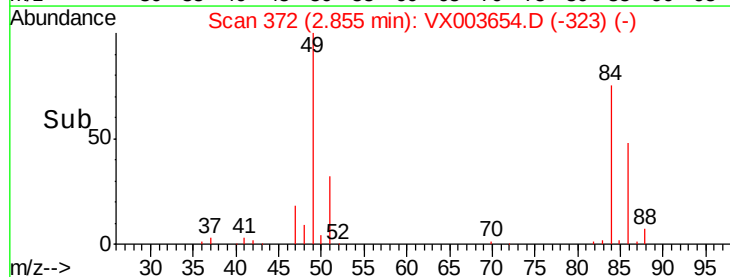
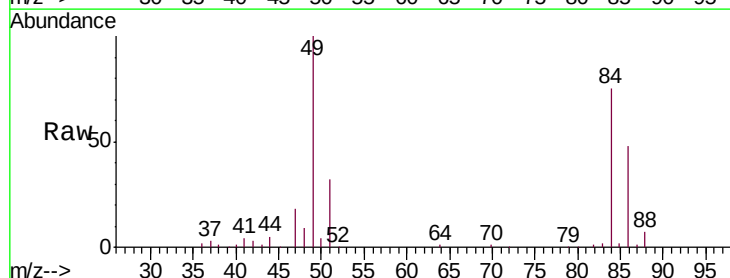
Manual Integrations
APPROVED

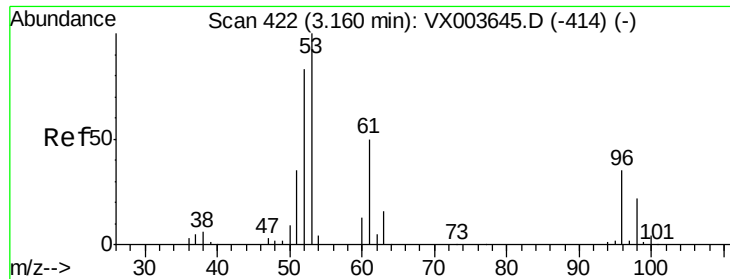
MMDadoda
7/27/2018 5:29:36 PM



#20
Methylene Chloride
Concen: 21.84 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion: 84 Resp: 30827
Ion Ratio Lower Upper
84 100
49 132.7 102.3 153.5
51 41.9 31.8 47.8
86 64.2 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 22.31 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

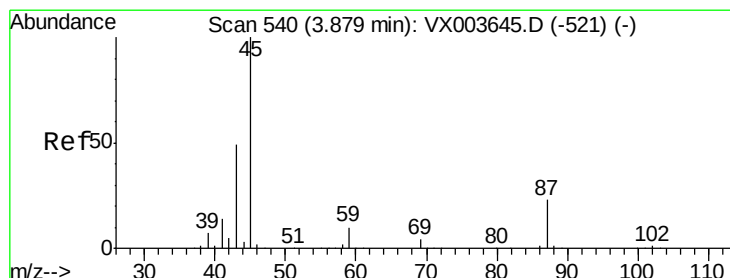
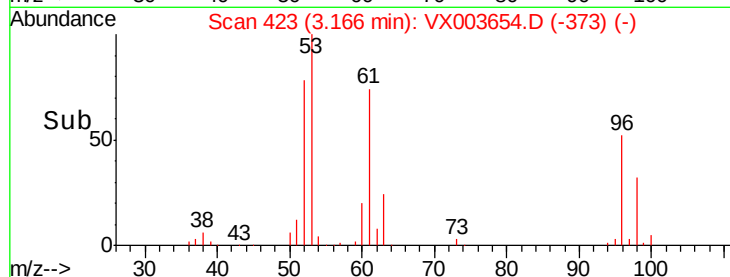
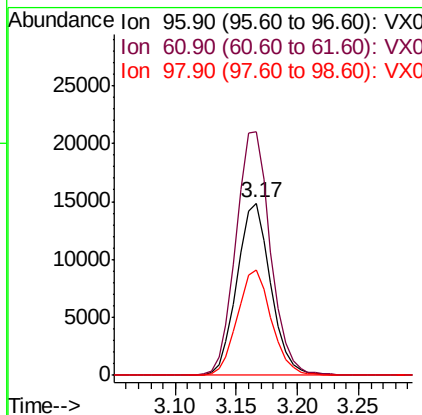
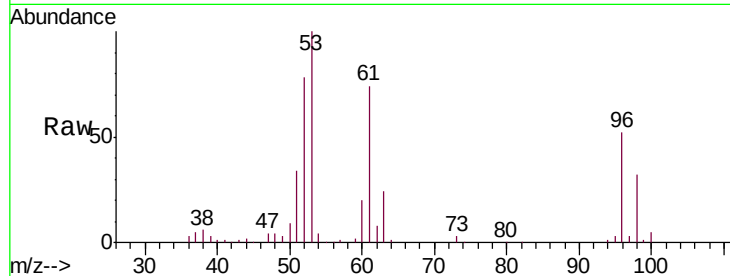
ClientSampleId :

VX0725WBS01

Tot Ion:	96	Resp:	28403
Ion	Ratio	Lower	Upper
96	100		
61	141.6	115.0	172.4
98	61.4	49.7	74.5

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#22

Diisopropyl ether

Concen: 20.57 ug/l

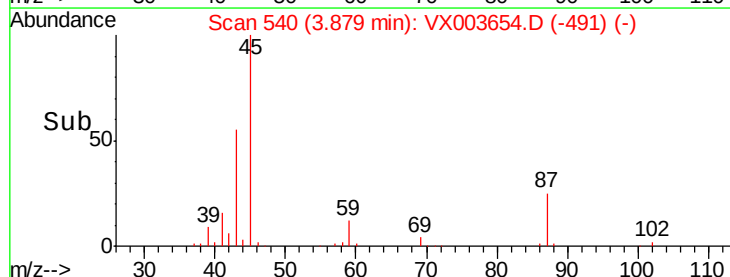
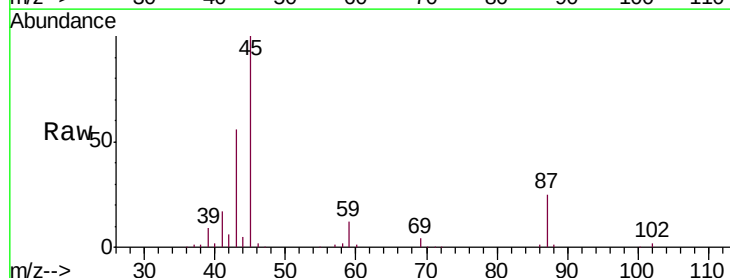
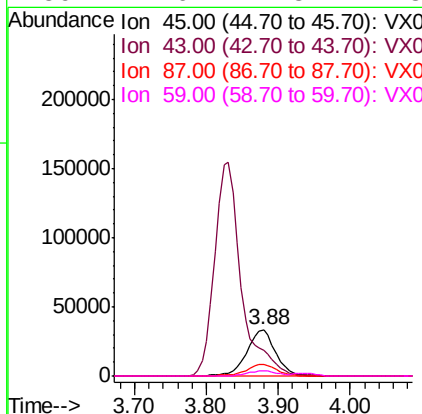
RT: 3.88 min Scan# 540

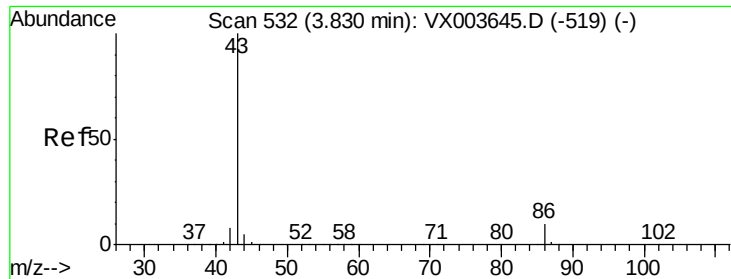
Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	45	Resp:	92663
Ion	Ratio	Lower	Upper
45	100		
43	55.0	39.0	58.4
87	25.4	18.4	27.6
59	11.6	7.8	11.8





#23

Vinyl Acetate

Concen: 103.54 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampled :

VX0725WBS01

Tot Ion: 43 Resp: 399609

Ion Ratio Lower Upper

43 100

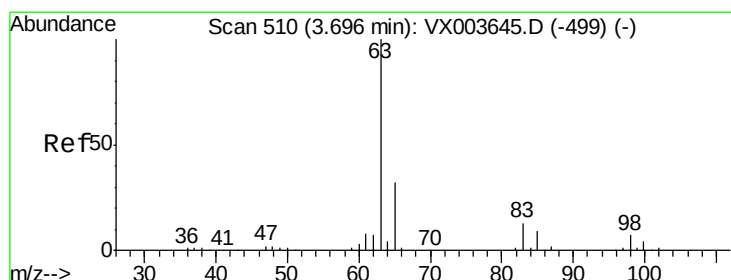
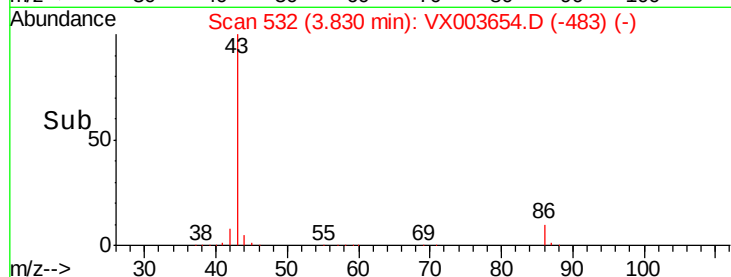
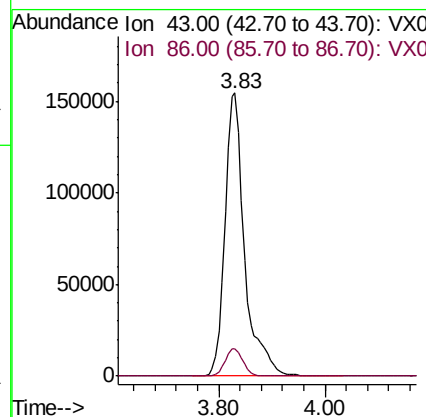
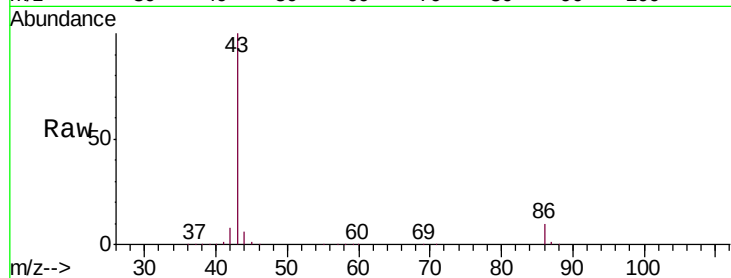
86 9.7 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



#24

1,1-Dichloroethane

Concen: 22.05 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

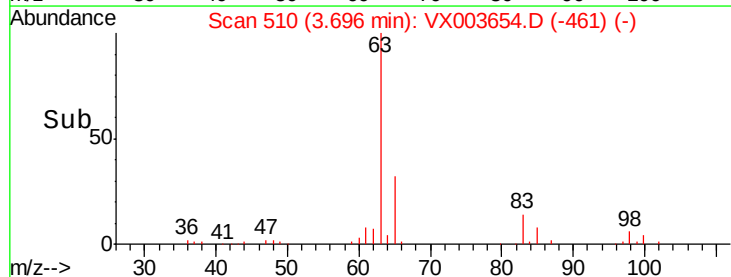
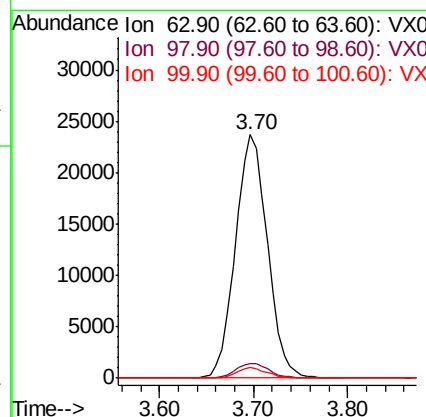
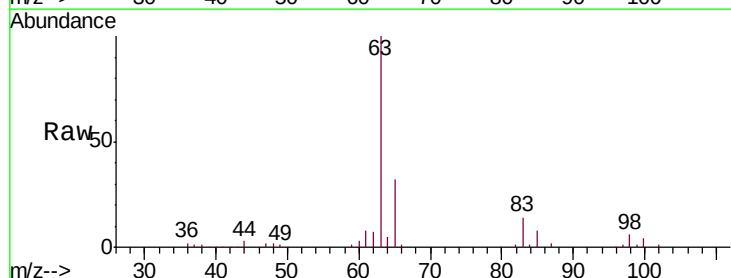
Tgt Ion: 63 Resp: 55988

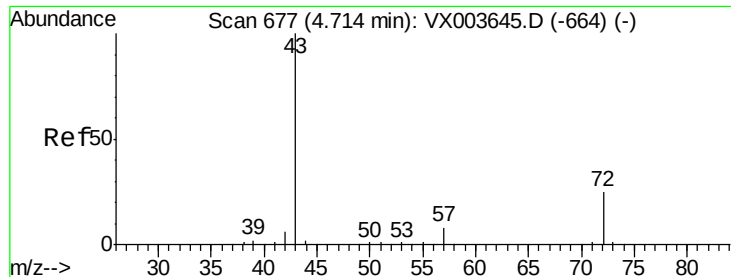
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 107.10 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion: 43 Resp: 117841

Ion Ratio Lower Upper

43 100

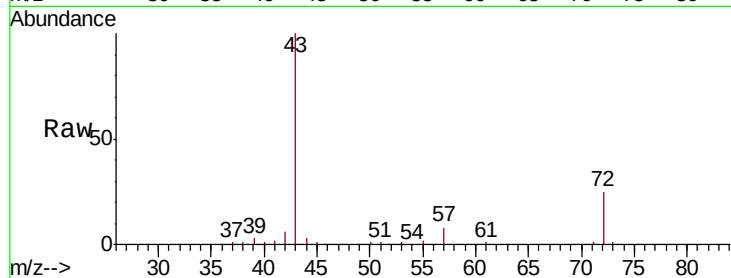
72 25.3 20.2 30.4

Manual Integrations

APPROVED

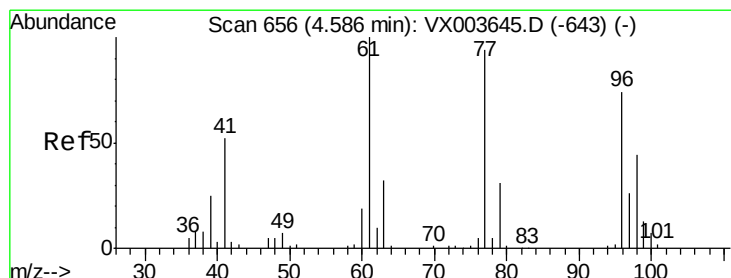
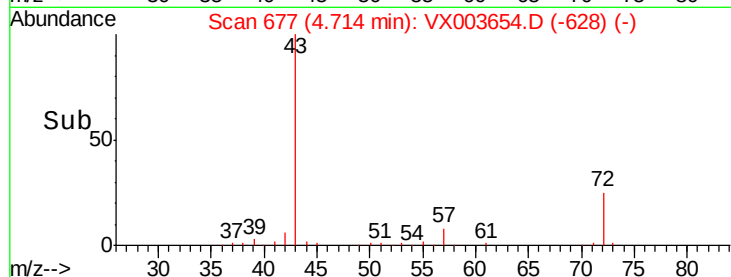
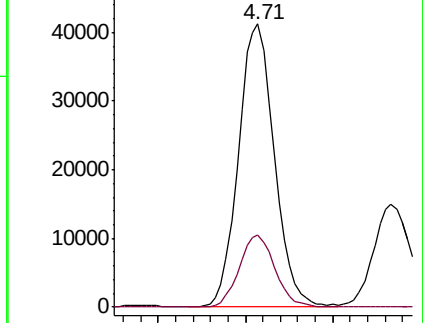
MMDadoda

7/27/2018 5:29:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 23.24 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003654.D

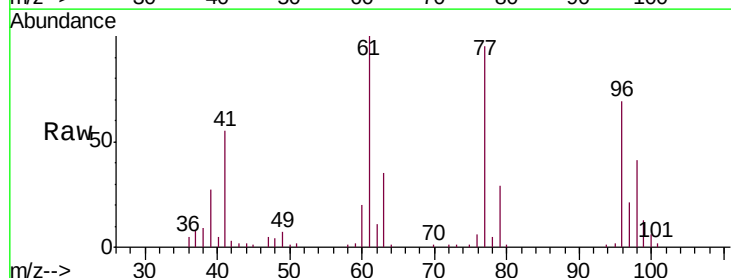
Acq: 25 Jul 2018 13:12

Tgt Ion: 77 Resp: 37316

Ion Ratio Lower Upper

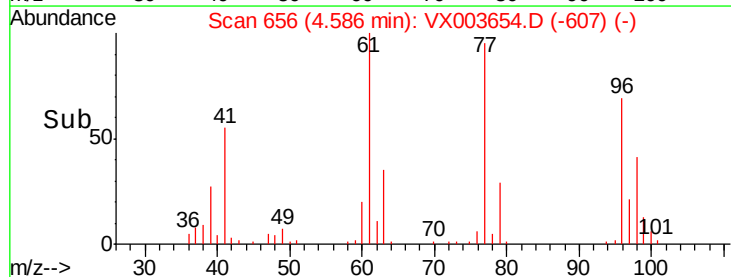
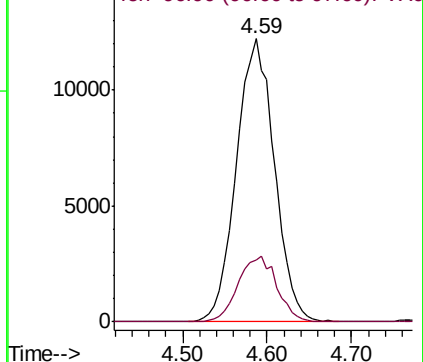
77 100

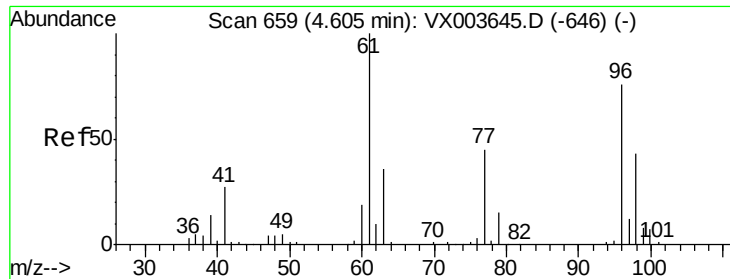
97 23.5 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

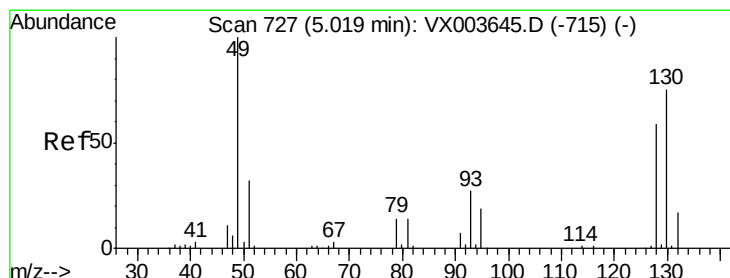
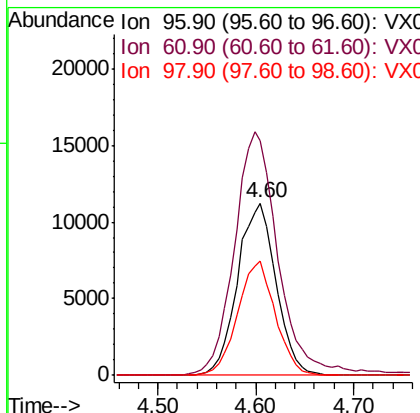
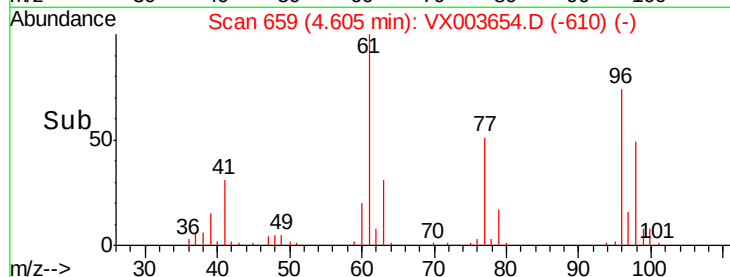
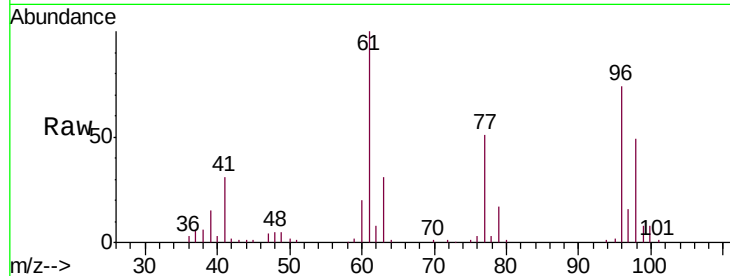
cis-1,2-Dichloroethene
Concen: 22.14 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	313.6
98	64.9	0.0	125.6

Manual Integrations
APPROVED

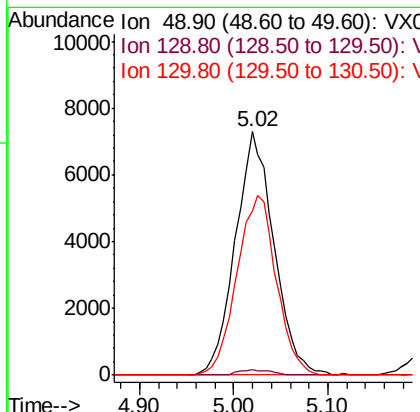
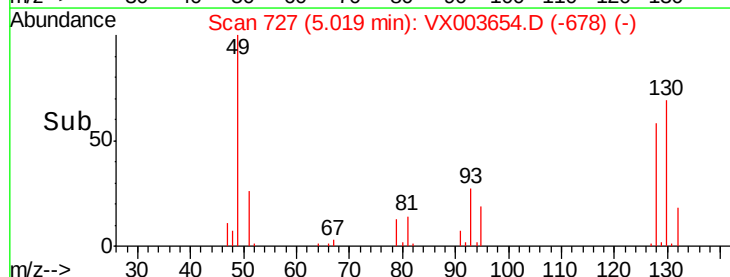
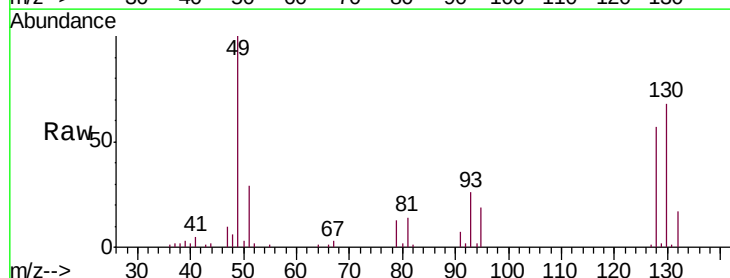
MMDadoda
7/27/2018 5:29:36 PM

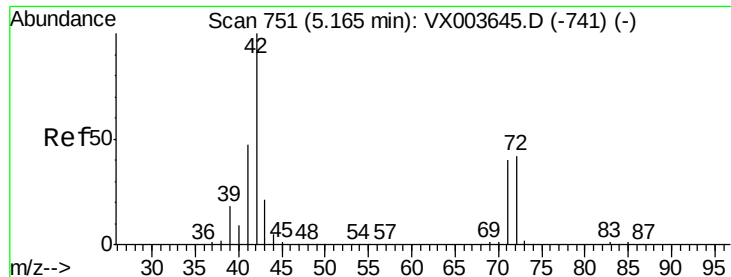


#28

Bromochloromethane
Concen: 20.50 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	75.3	61.0	91.6





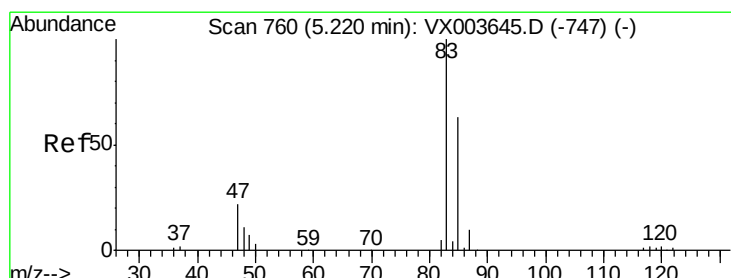
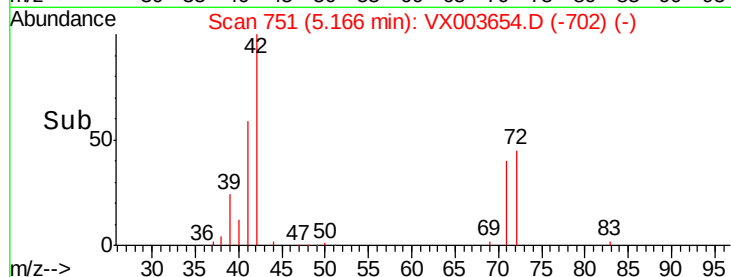
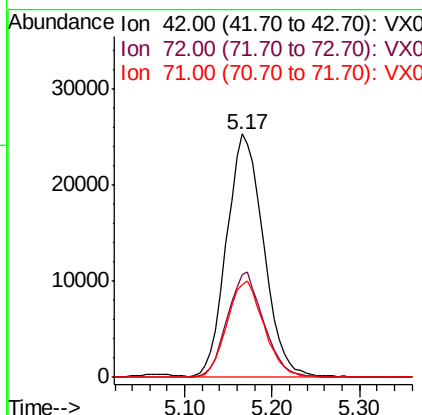
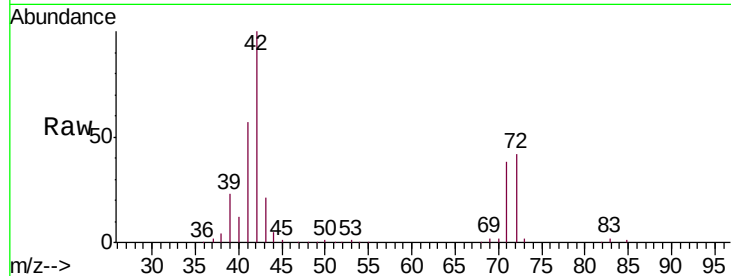
#29
Tetrahydrofuran
Concen: 103.53 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.0
71	39.9	31.0	46.6

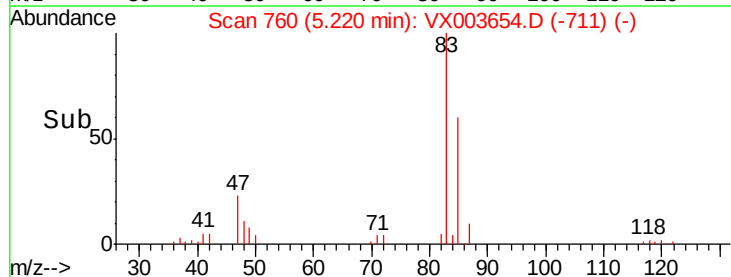
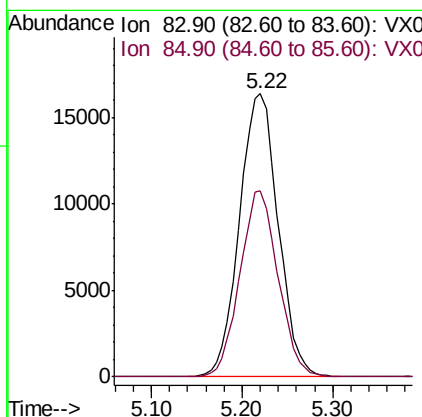
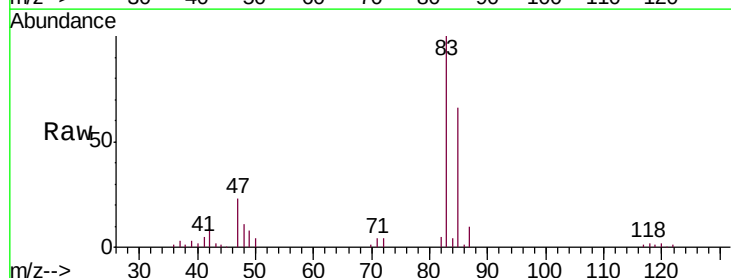
Manual Integrations
APPROVED

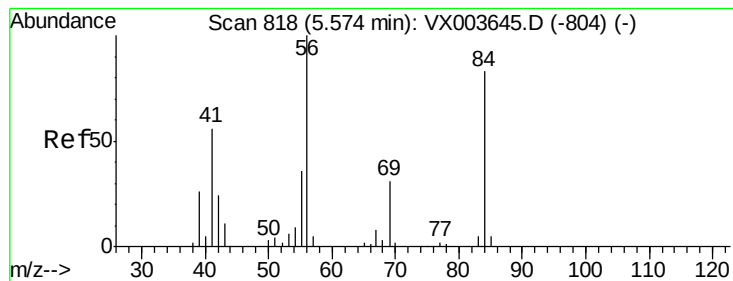
MMDadoda
7/27/2018 5:29:36 PM



#30
Chloroform
Concen: 21.08 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.4





#31

Cyclohexane

Concen: 20.07 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

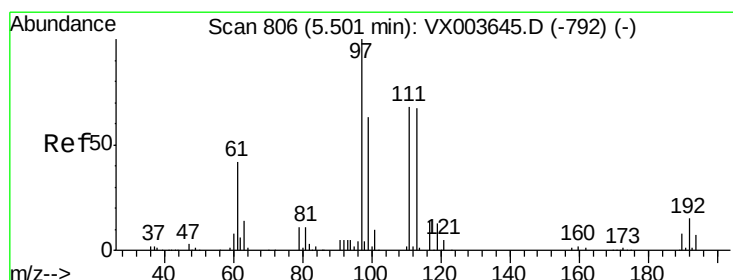
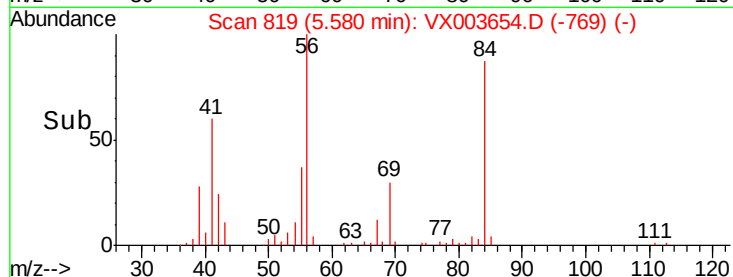
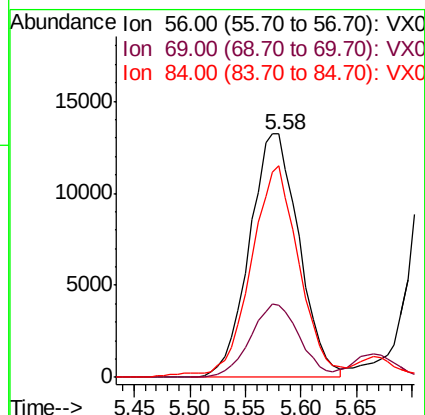
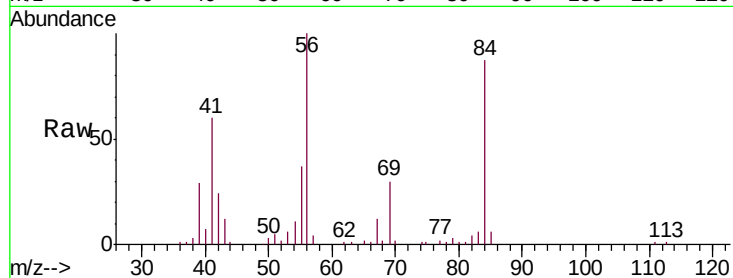
ClientSampleId :

VX0725WBS01

Tot Ion:	56	Resp:	40919
Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.0	37.6
84	85.4	66.5	99.7

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#32

1,1,1-Trichloroethane

Concen: 20.54 ug/l

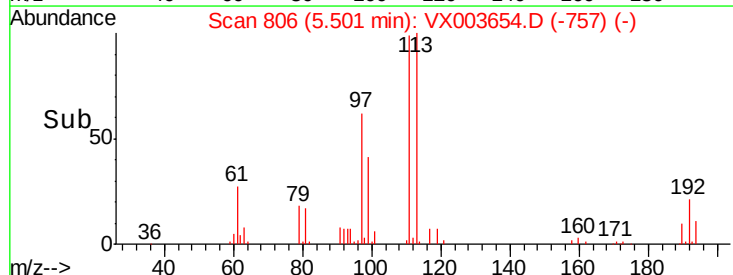
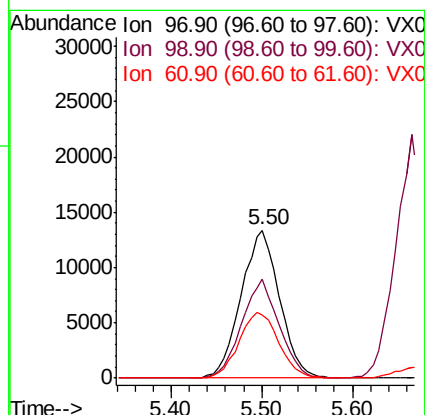
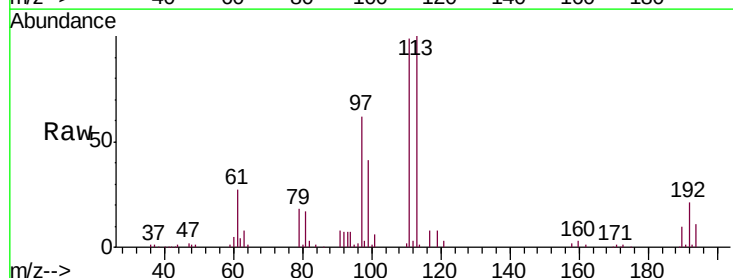
RT: 5.50 min Scan# 806

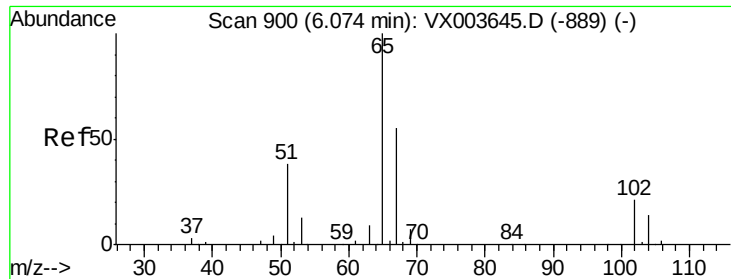
Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	97	Resp:	39281
Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.4	75.6
61	46.1	34.5	51.7





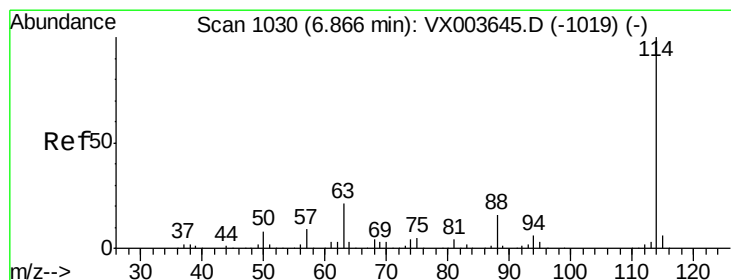
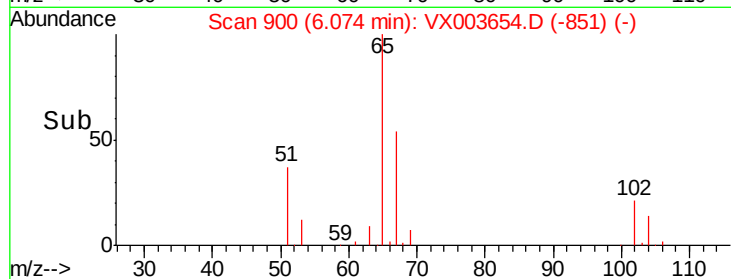
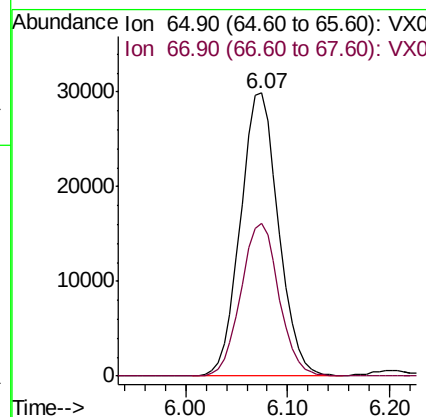
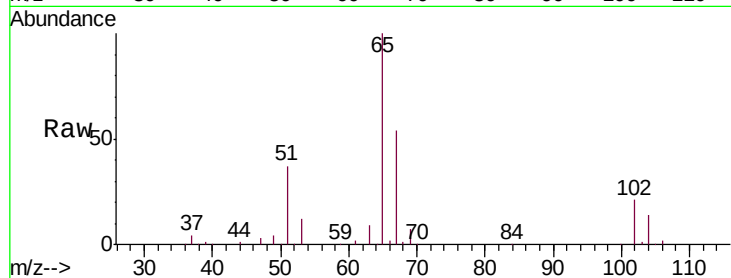
#33
 1,2-Dichloroethane-d4
 Concen: 51.17 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.8

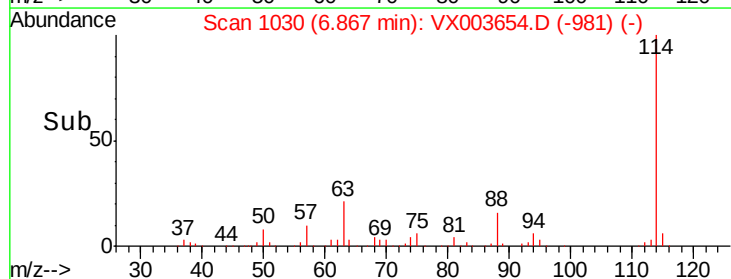
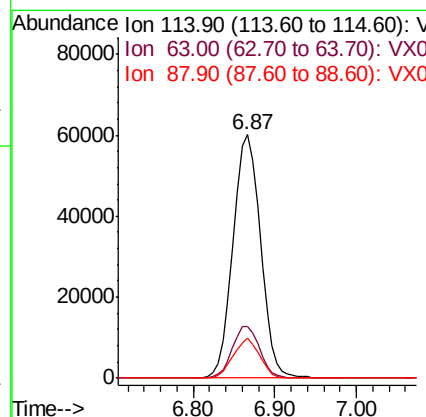
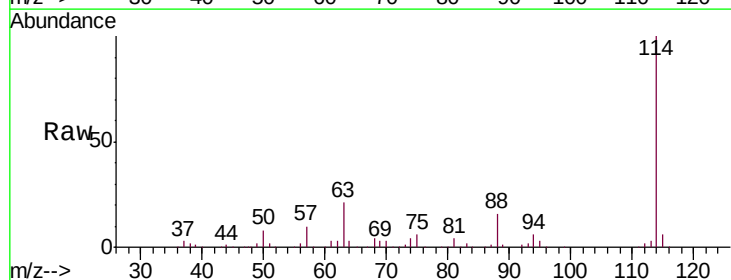
Manual Integrations
 APPROVED

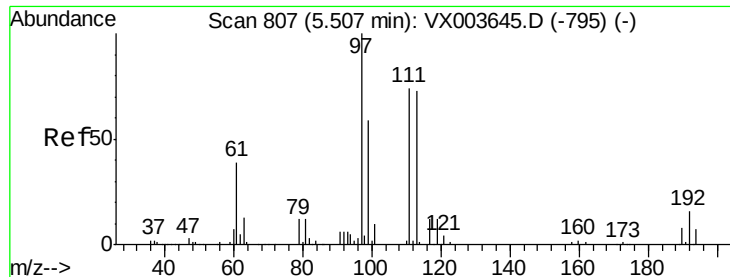
MMDadoda
 7/27/2018 5:29:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	16.3	0.0	31.8





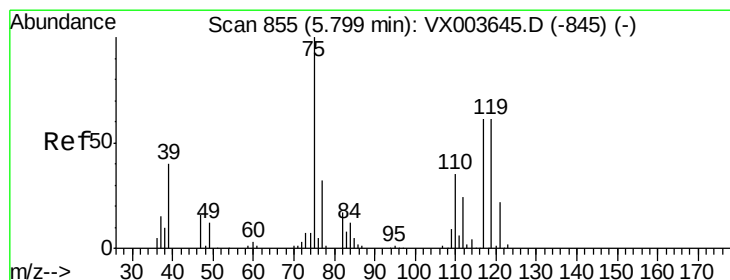
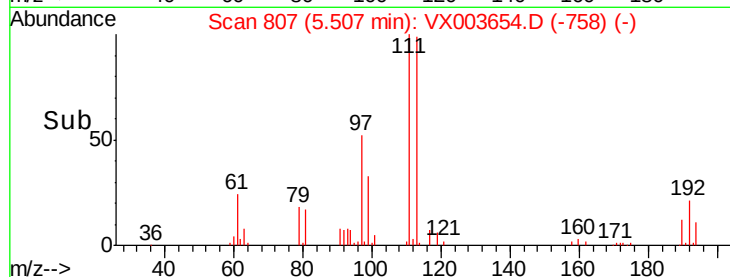
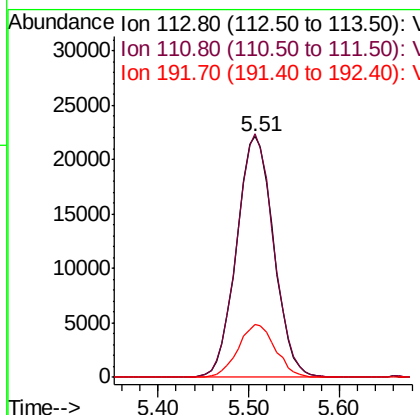
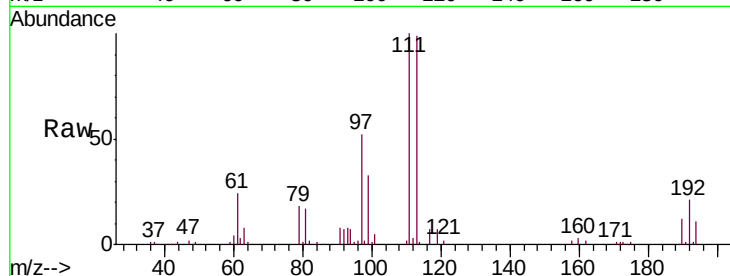
#35
Dibromofluoromethane
Concen: 54.78 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	62811		
111	100.5	81.2	121.8	
192	21.9	18.2	27.4	

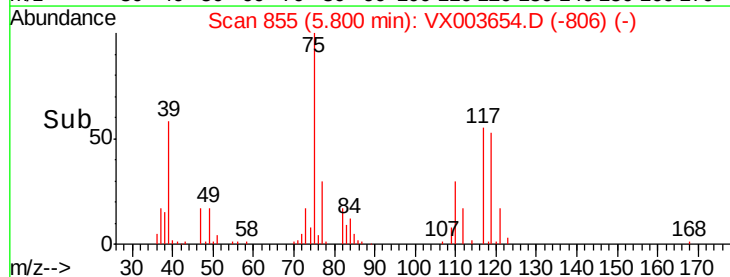
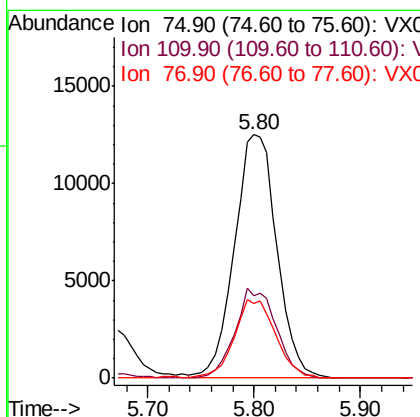
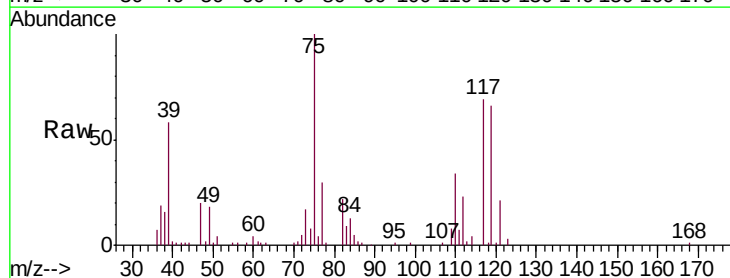
Manual Integrations
APPROVED

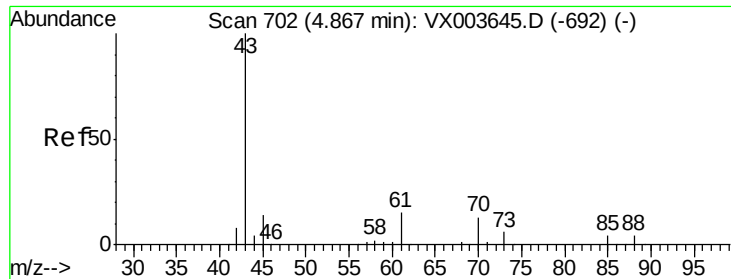
MMDadoda
7/27/2018 5:29:36 PM



#36
1,1-Dichloropropene
Concen: 21.30 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34915		
110	35.7	18.1	54.1	
77	31.6	25.1	37.7	





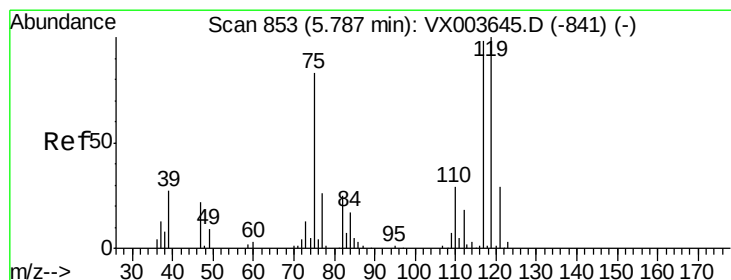
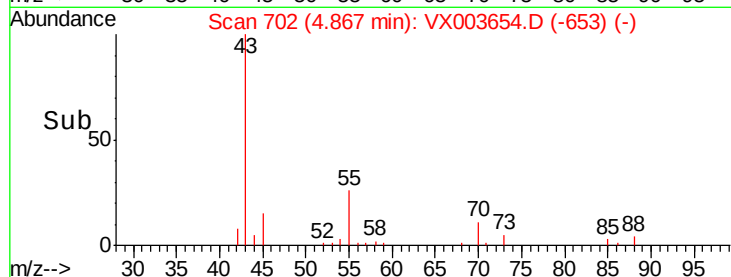
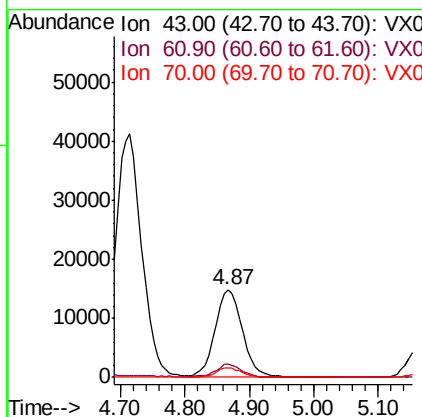
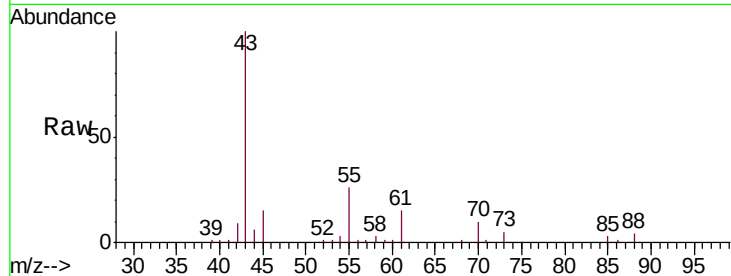
#37
Ethyl Acetate
Concen: 22.82 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	10.1	8.6	12.8

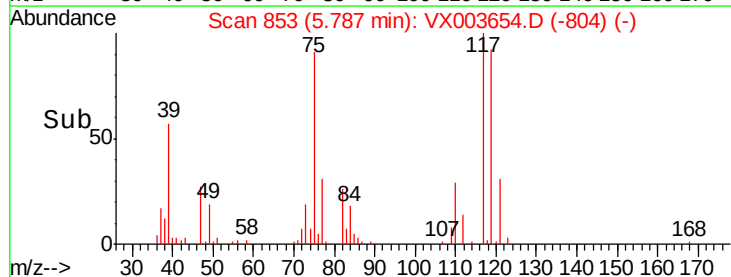
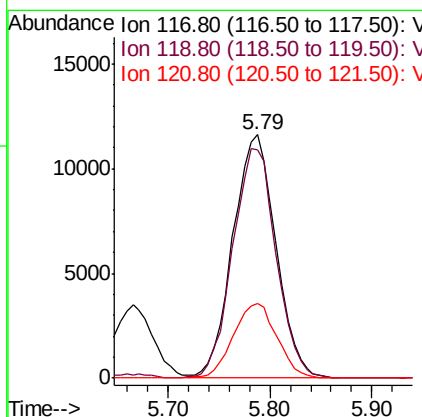
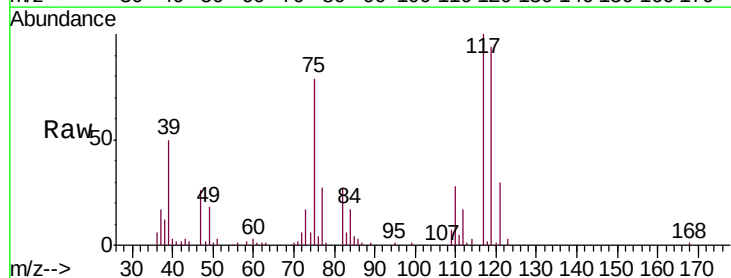
Manual Integrations
APPROVED

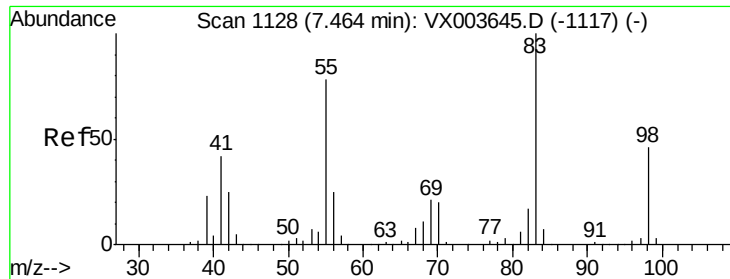
MMDadoda
7/27/2018 5:29:36 PM



#38
Carbon Tetrachloride
Concen: 21.54 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	81.0	121.4
121	30.4	23.7	35.5





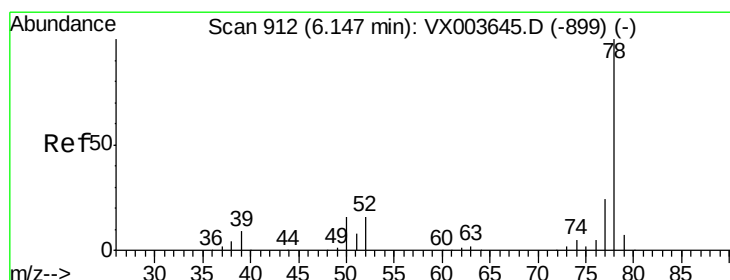
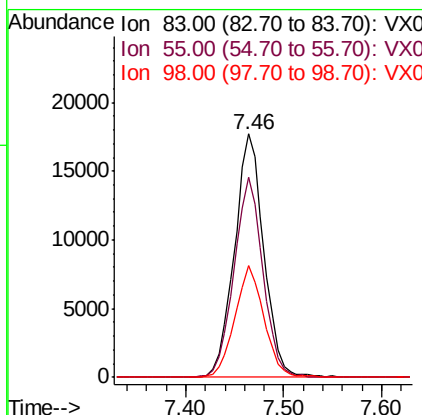
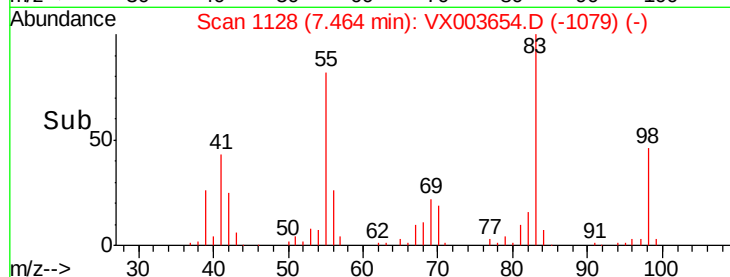
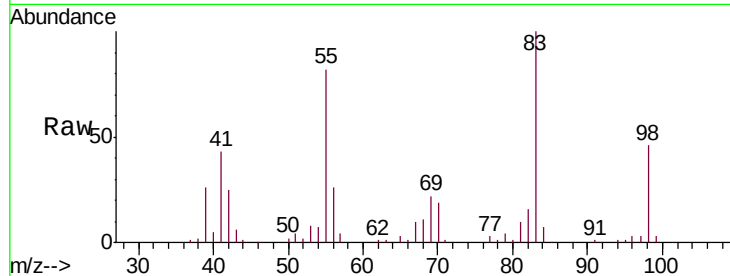
#39
Methylvlcyclohexane
Concen: 20.41 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	62.6	93.8
98	45.7	36.6	55.0

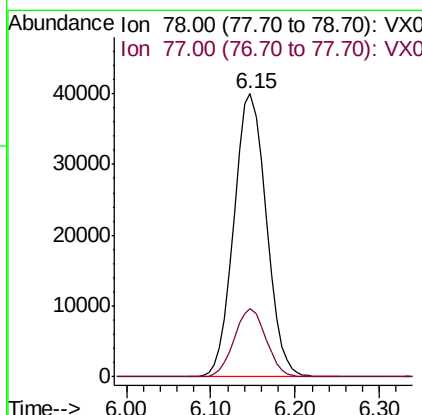
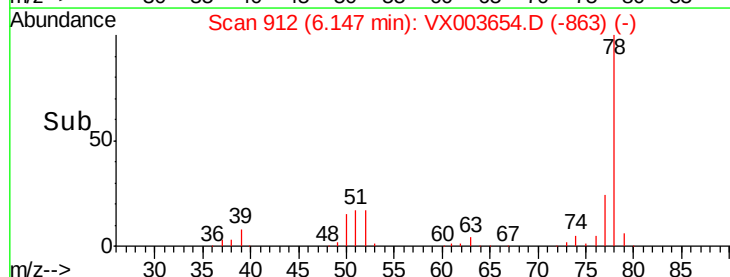
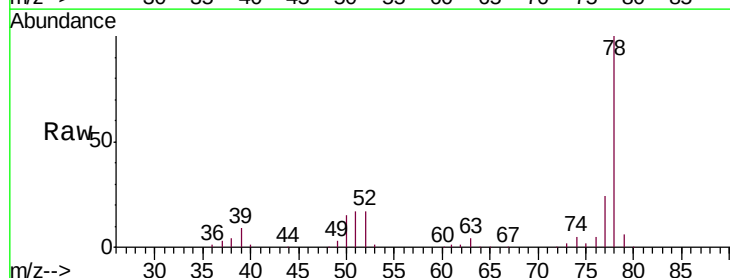
Manual Integrations
APPROVED

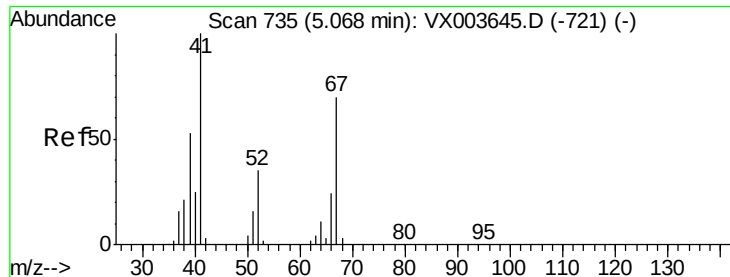
MMDadoda
7/27/2018 5:29:36 PM



#40
Benzene
Concen: 21.51 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





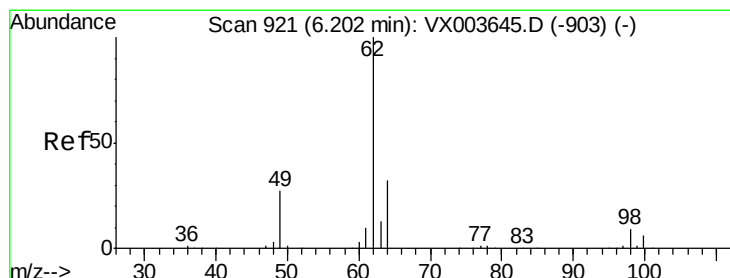
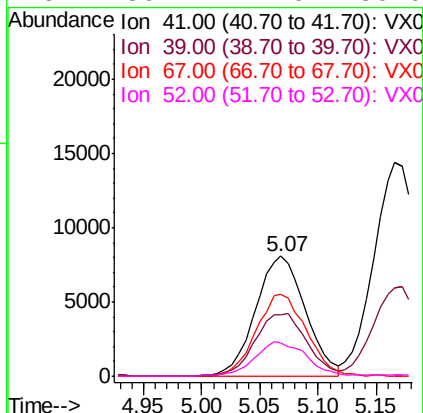
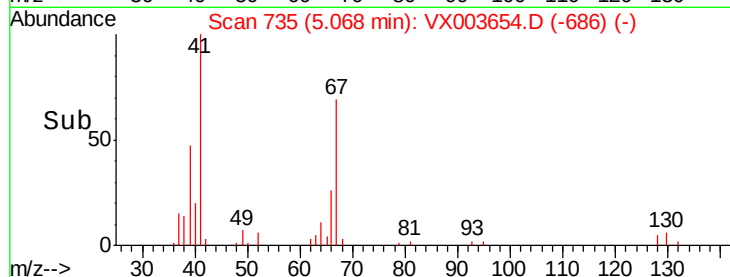
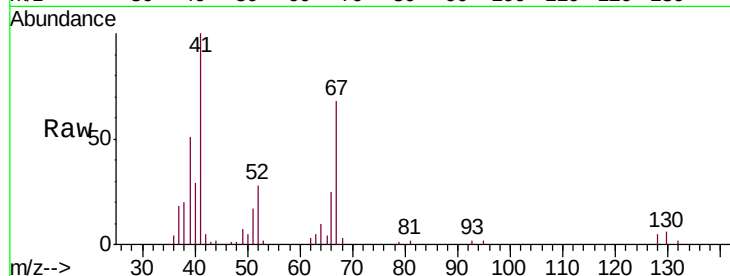
#41
Methacrylonitrile
Concen: 21.99 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion:	41	Resp:	24004
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.2	63.4
67	68.6	56.6	84.8
52	30.1	24.0	36.0

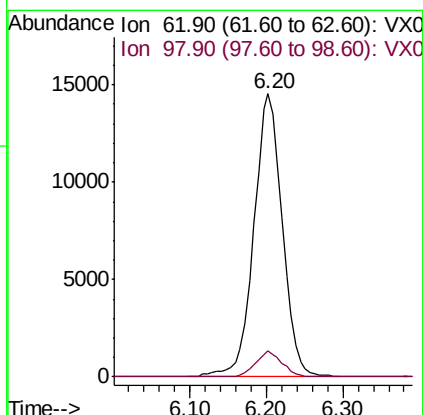
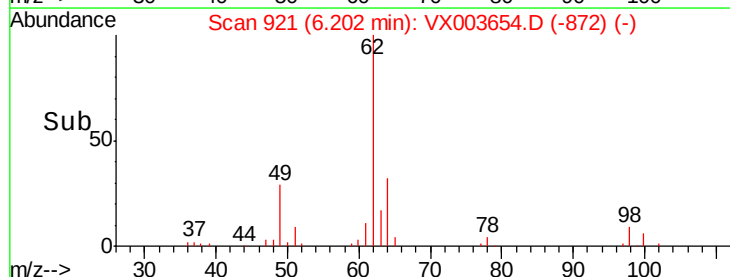
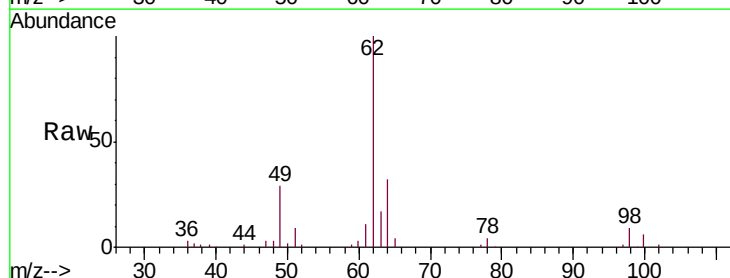
Manual Integrations
APPROVED

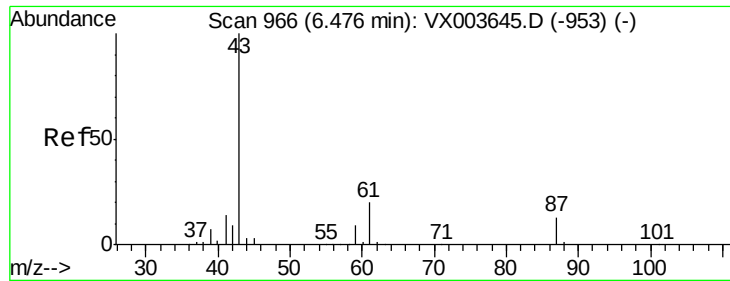
MMDadoda
7/27/2018 5:29:36 PM



#42
1,2-Dichloroethane
Concen: 22.09 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion:	62	Resp:	37715
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.47 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

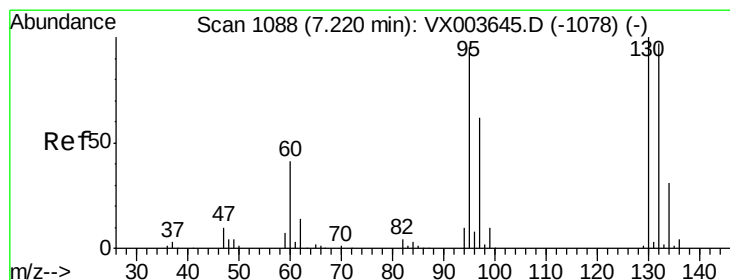
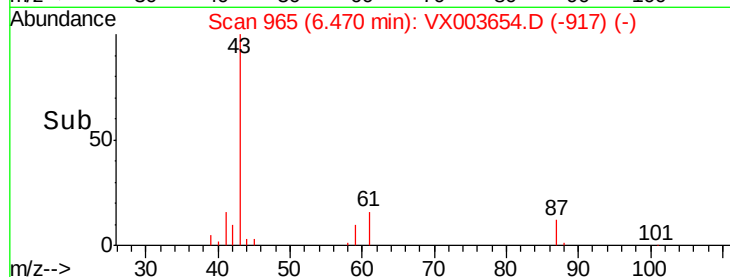
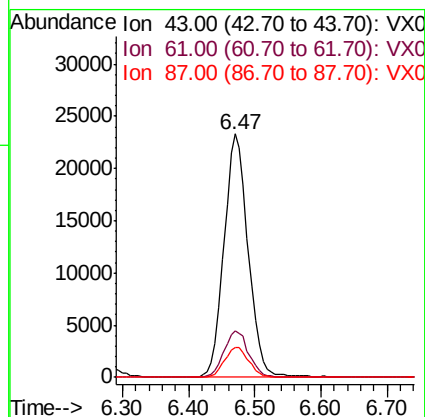
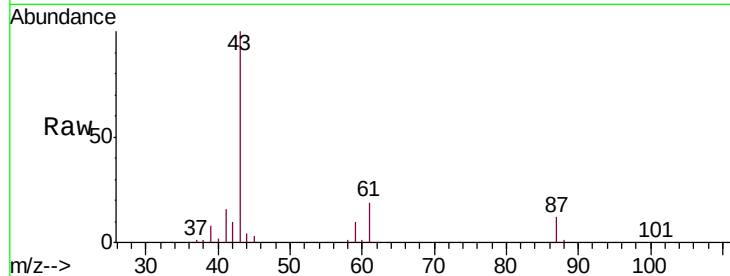
ClientSampleId :

VX0725WBS01

Tot Ion:	43	Resp:	58872
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.9	23.9
87	12.3	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#44

Trichloroethene

Concen: 19.17 ug/l

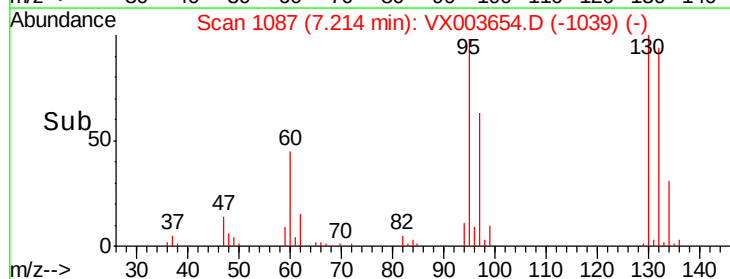
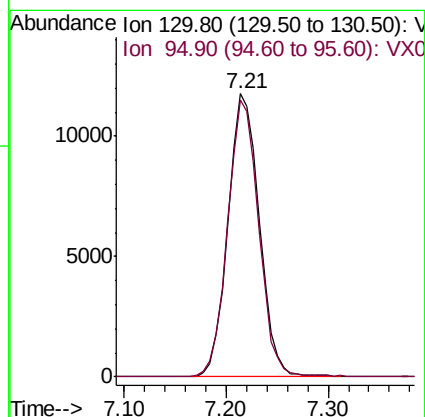
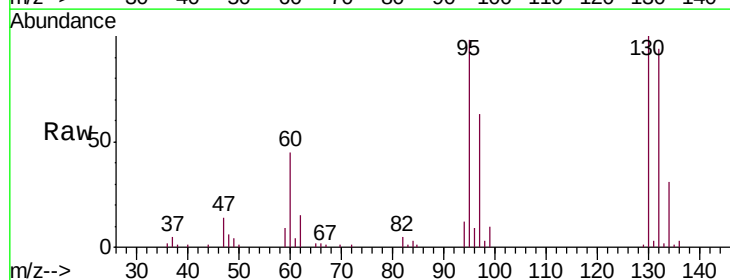
RT: 7.21 min Scan# 1087

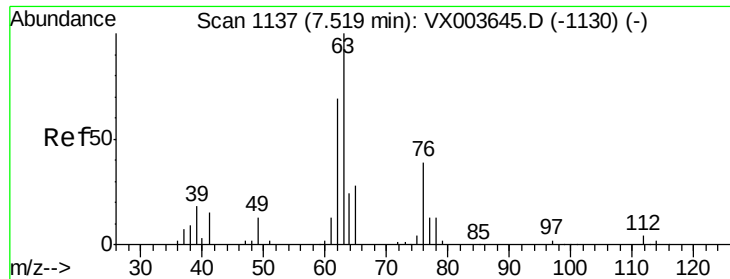
Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	130	Resp:	24939
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	190.0





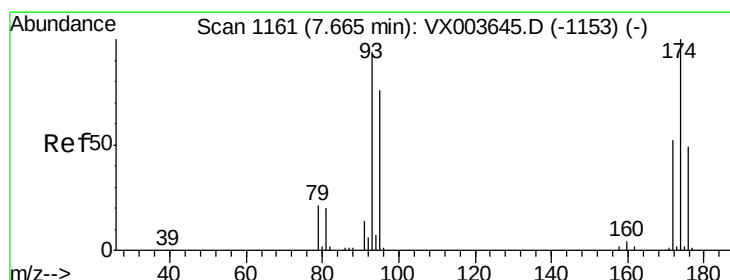
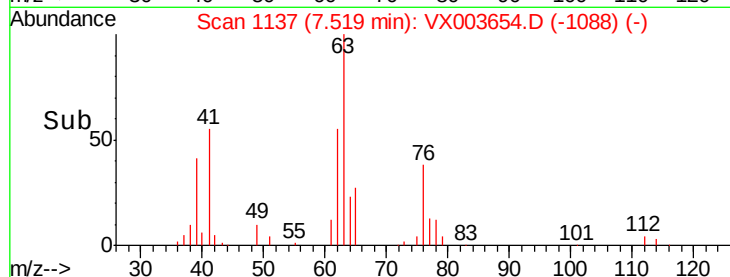
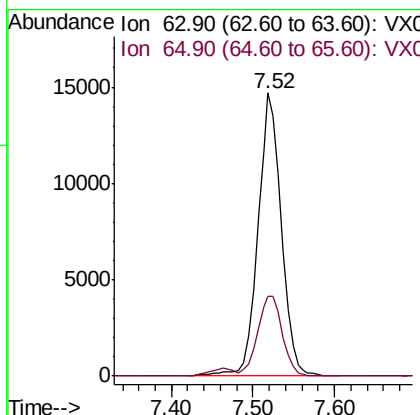
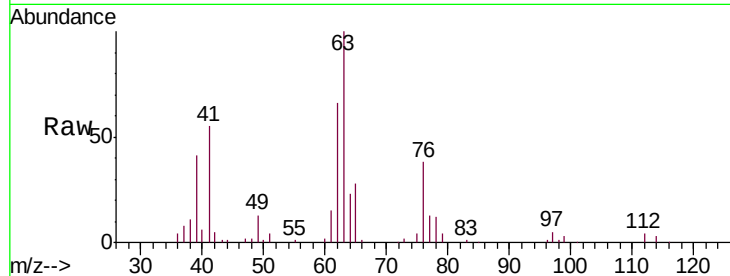
#45
 1,2-Dichloropropane
 Concen: 23.41 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion: 63 Resp: 29363
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.0 36.0

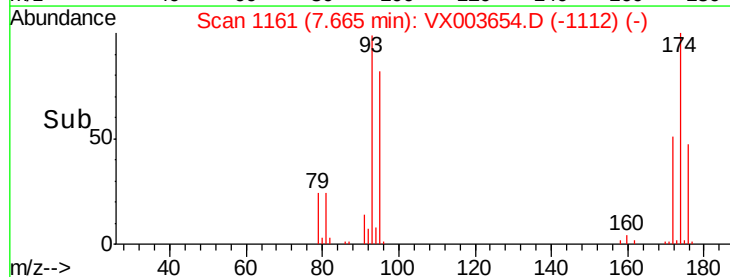
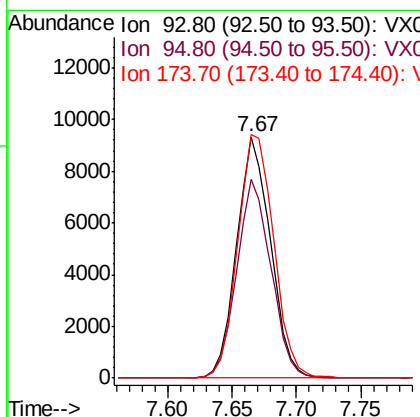
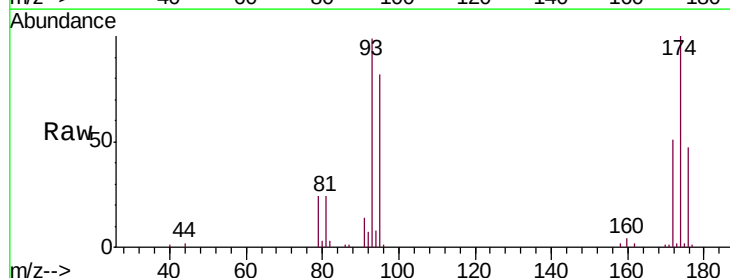
Manual Integrations
 APPROVED

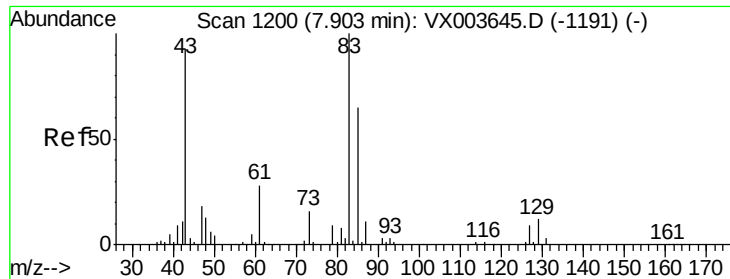
MMDadoda
 7/27/2018 5:29:36 PM



#46
 Dibromomethane
 Concen: 21.13 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion: 93 Resp: 17024
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 106.6 89.6 134.4





#47

Bromodichloromethane

Concen: 21.19 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

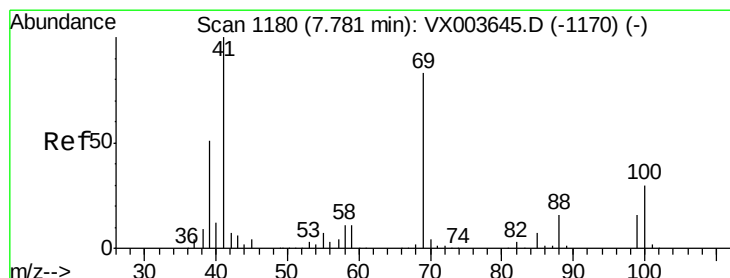
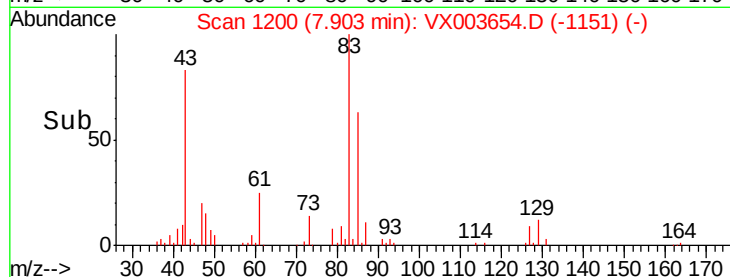
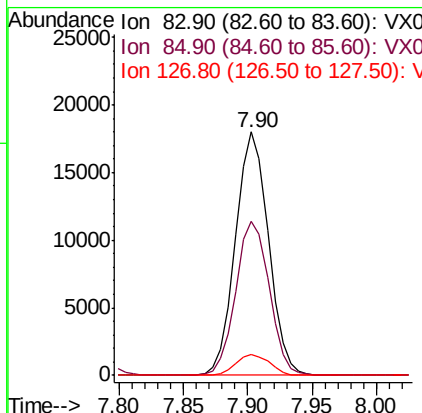
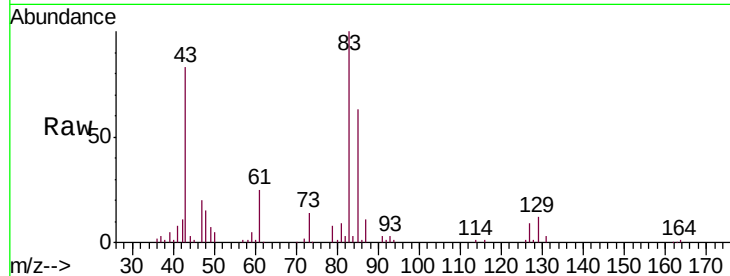
ClientSampleId :

VX0725WBS01

Tot Ion:	83	Resp:	32004
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6
127	8.6	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#48

Methyl methacrylate

Concen: 22.67 ug/l

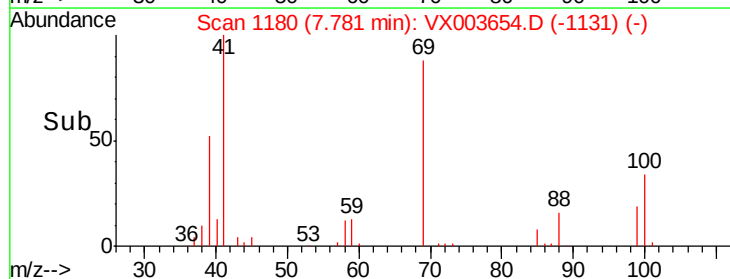
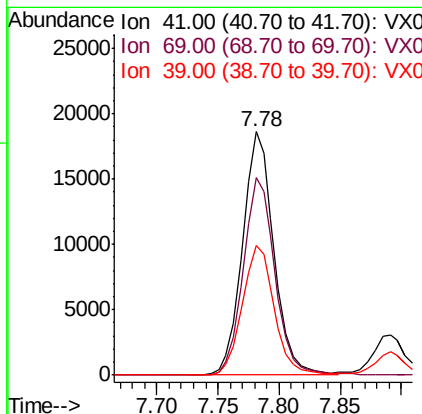
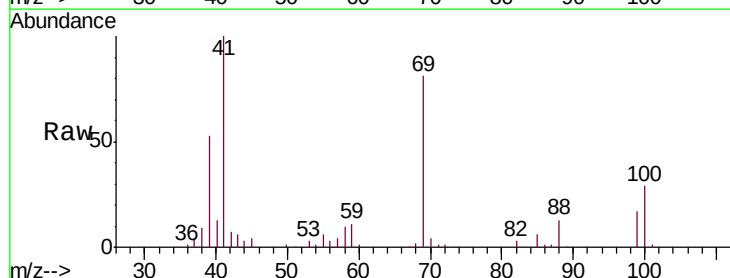
RT: 7.78 min Scan# 1180

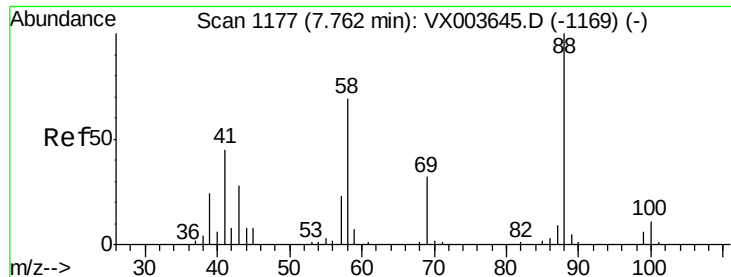
Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	41	Resp:	33080
Ion	Ratio	Lower	Upper
41	100		
69	82.2	66.9	100.3
39	54.5	41.2	61.8





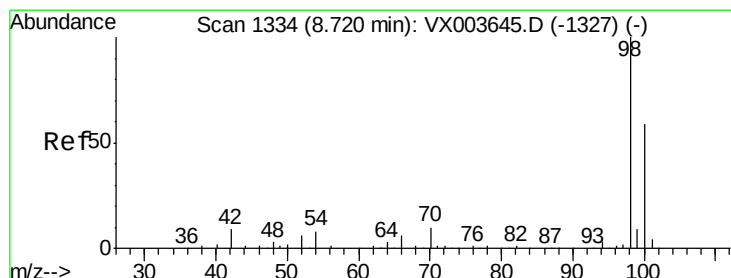
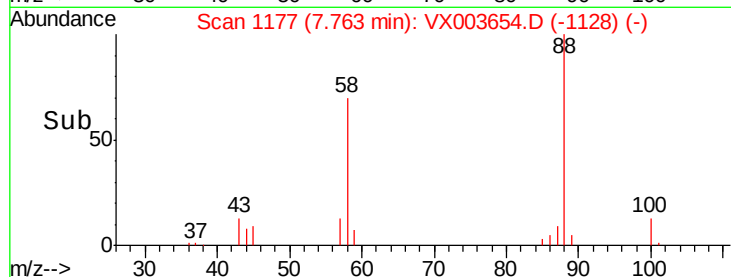
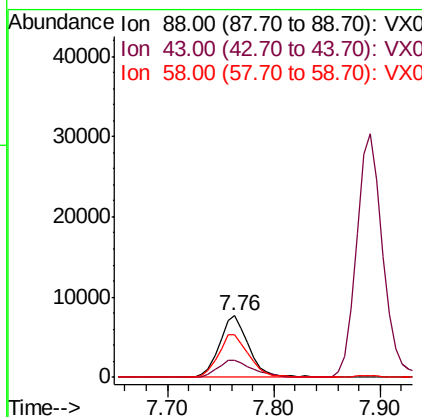
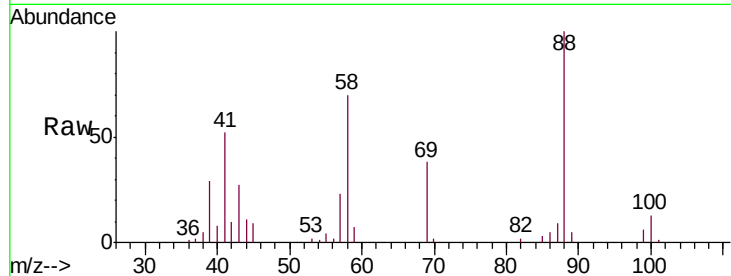
#49
1,4-Dioxane
Concen: 446.21 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	88	Resp	14528
Ion Ratio	Lower	Upper	
88	100		
43	33.7	25.8	38.6
58	73.7	58.3	87.5

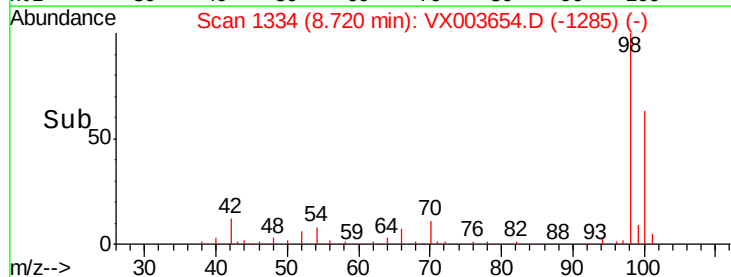
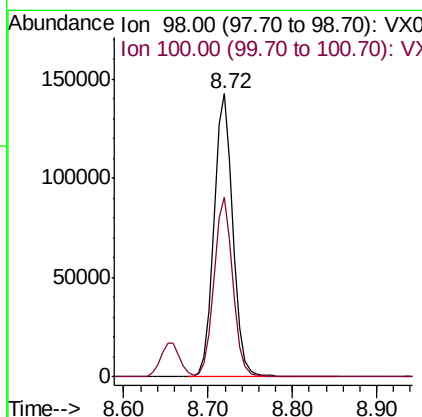
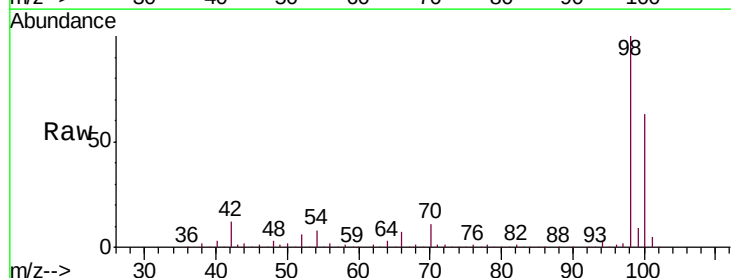
Manual Integrations
APPROVED

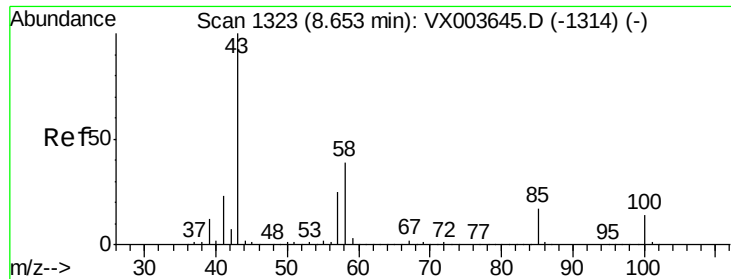
MMDadoda
7/27/2018 5:29:36 PM



#50
Toluene-d8
Concen: 50.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	98	Resp	221106
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.9	76.3





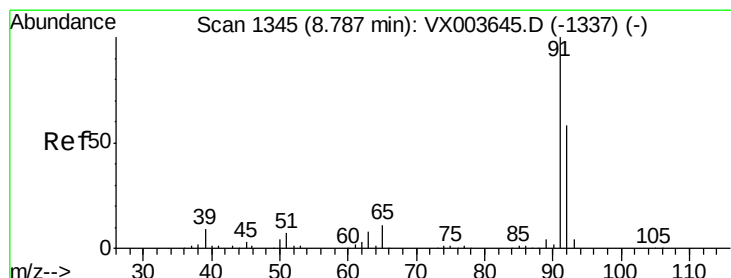
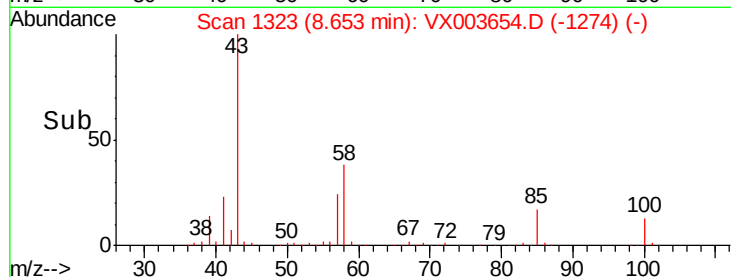
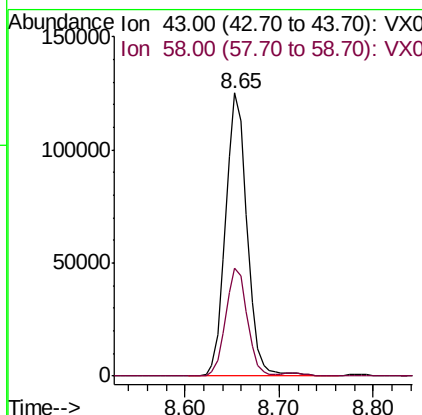
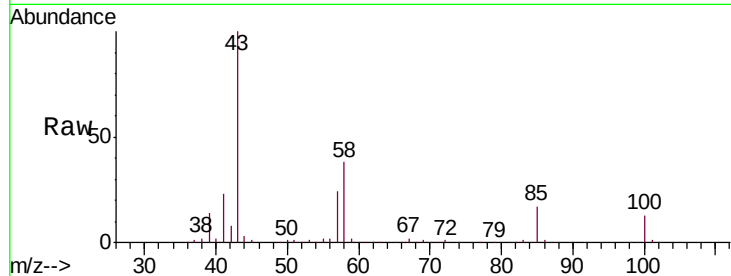
#51
4-Methyl-2-Pentanone
Concen: 102.66 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3

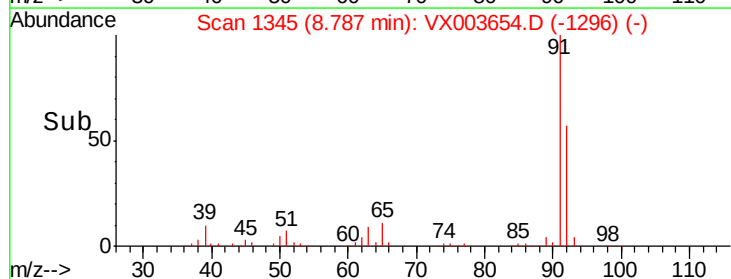
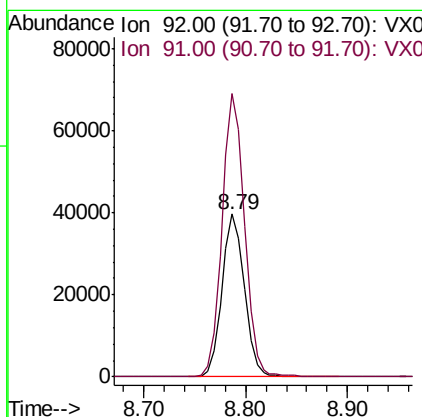
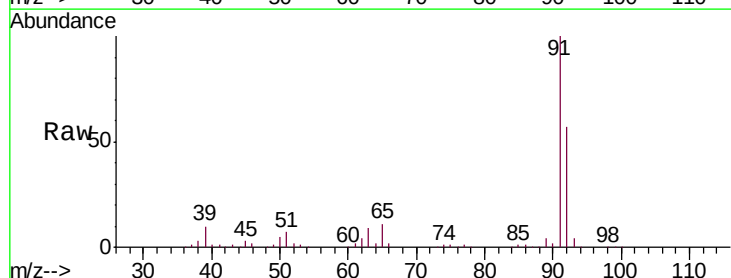
Manual Integrations
APPROVED

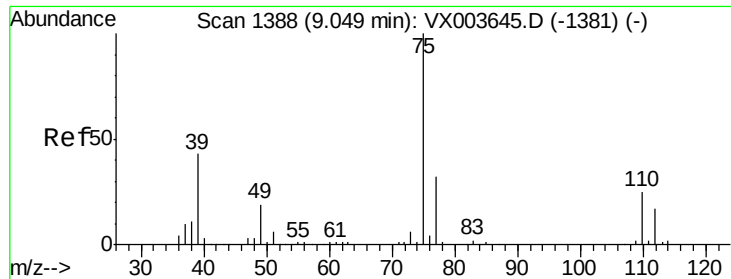
MMDadoda
7/27/2018 5:29:36 PM



#52
Toluene
Concen: 20.16 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.6





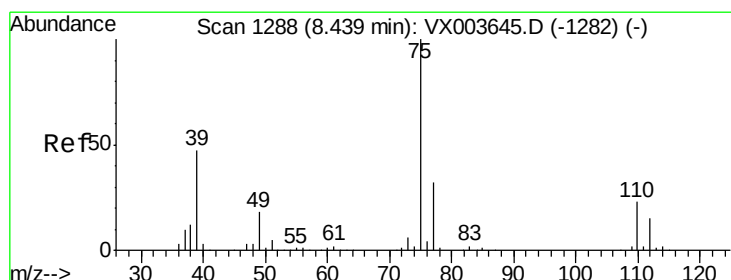
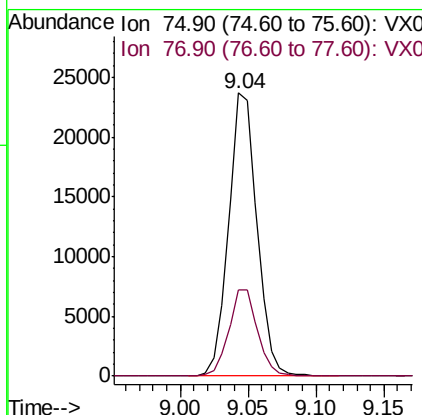
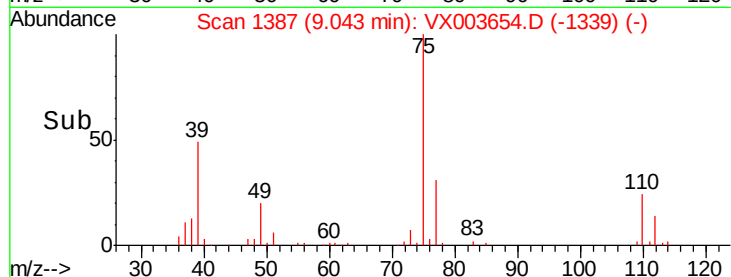
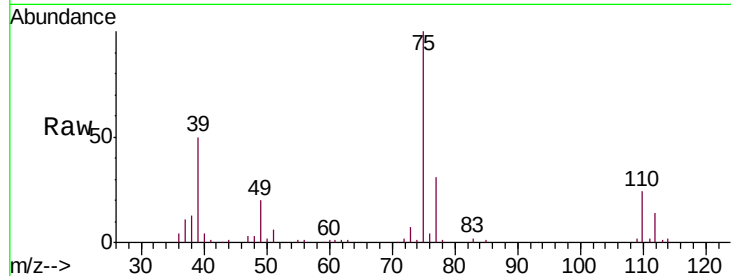
#53
 t-1,3-Dichloropropene
 Concen: 20.54 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion: 75 Resp: 34359
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.6

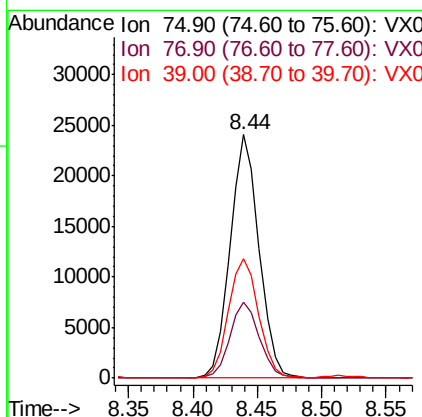
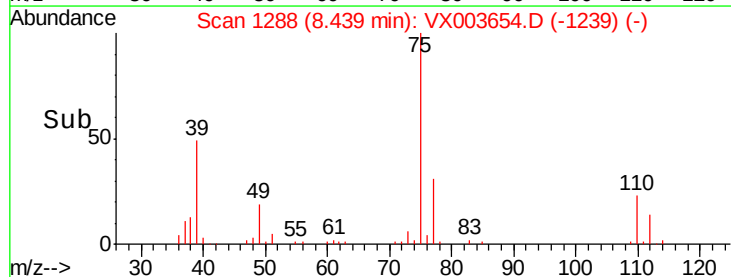
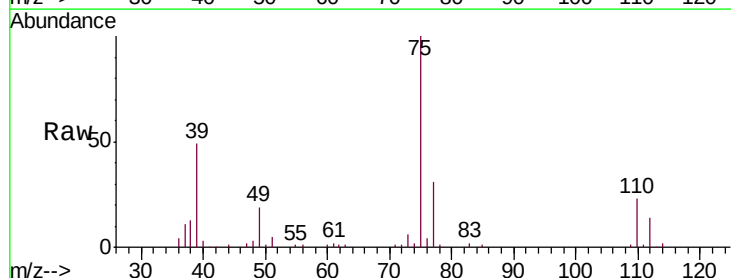
Manual Integrations
 APPROVED

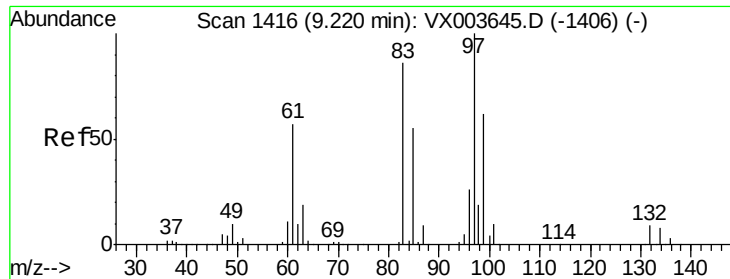
MMDadoda
 7/27/2018 5:29:36 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.42 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion: 75 Resp: 37583
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8
 39 49.0 38.0 57.0





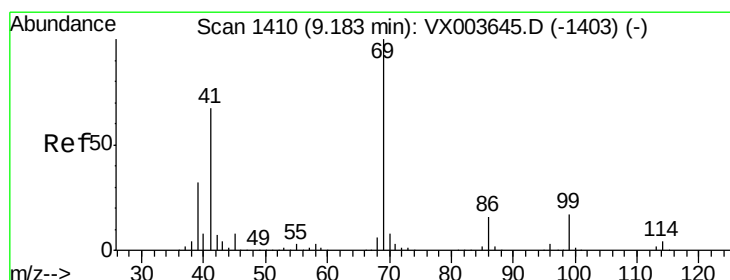
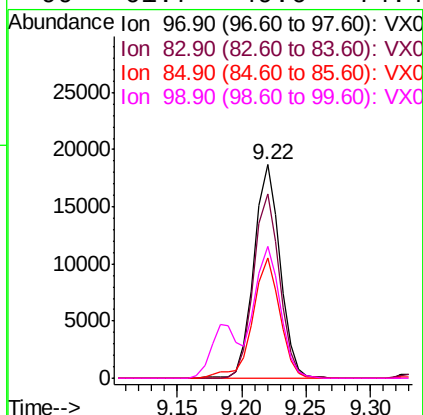
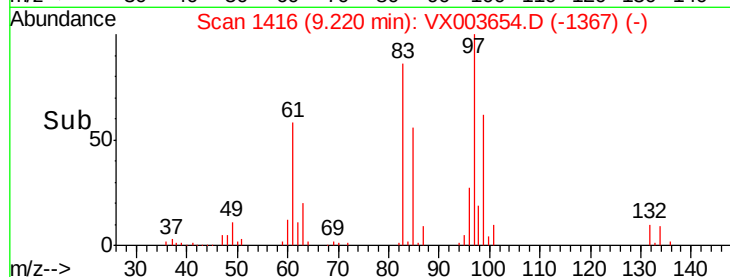
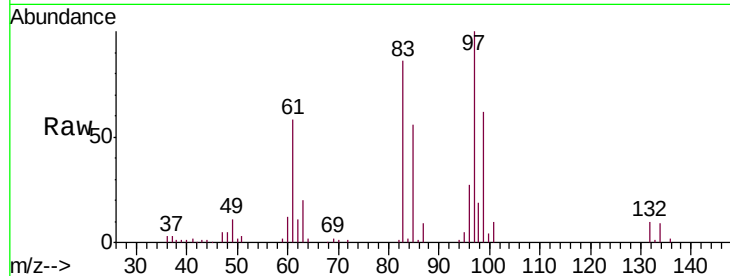
#55
 1,1,2-Trichloroethane
 Concen: 21.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.5	68.7	103.1	
85	56.1	43.7	65.5	
99	61.7	49.6	74.4	

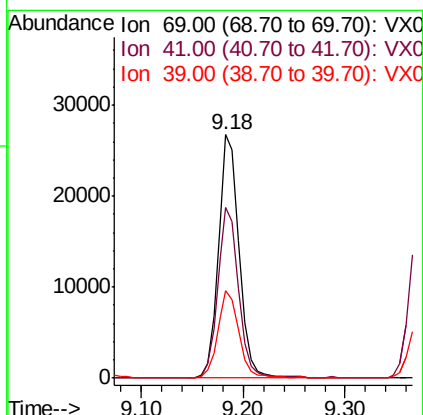
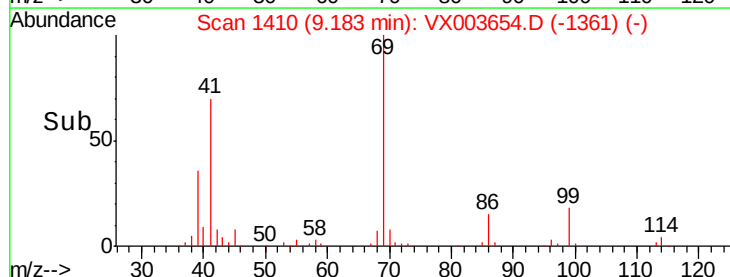
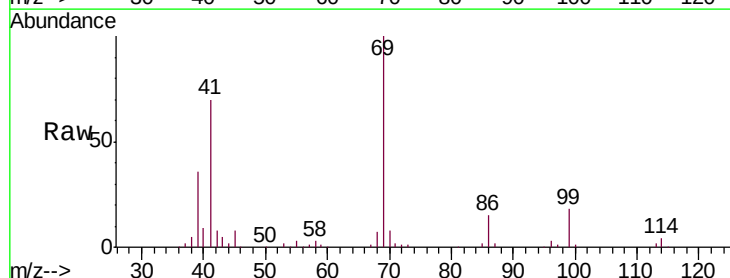
Manual Integrations
 APPROVED

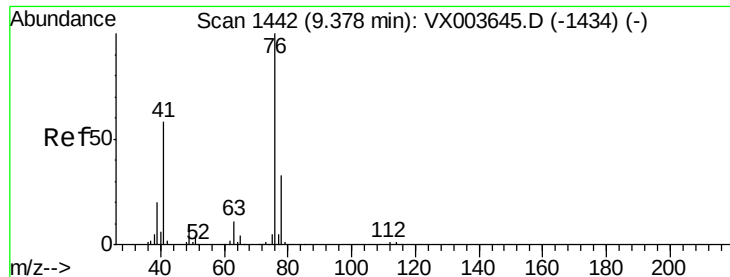
MMDadoda
 7/27/2018 5:29:36 PM



#56
 Ethyl methacrylate
 Concen: 20.71 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	70.9	53.8	80.6	
39	37.5	25.8	38.8	





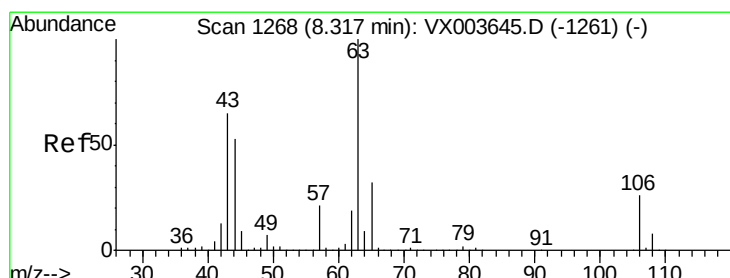
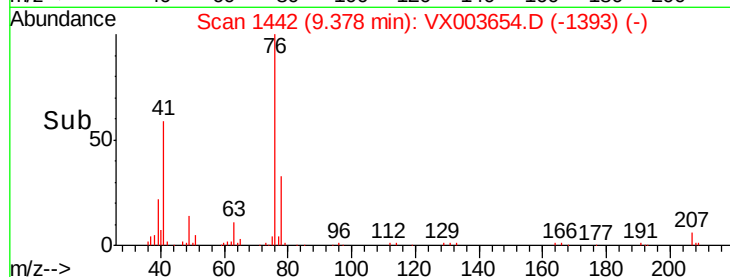
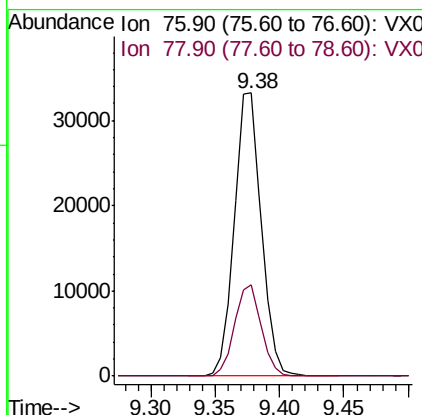
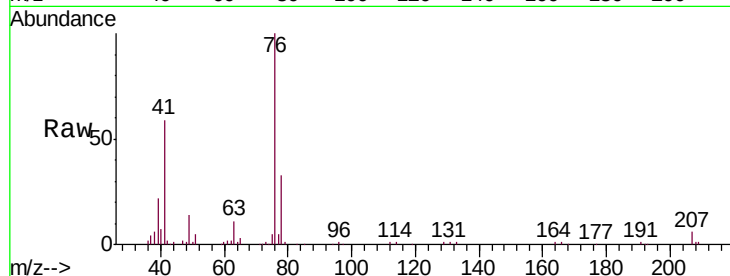
#57
 1,3-Dichloropropane
 Concen: 23.48 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion: 76 Resp: 48608
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4

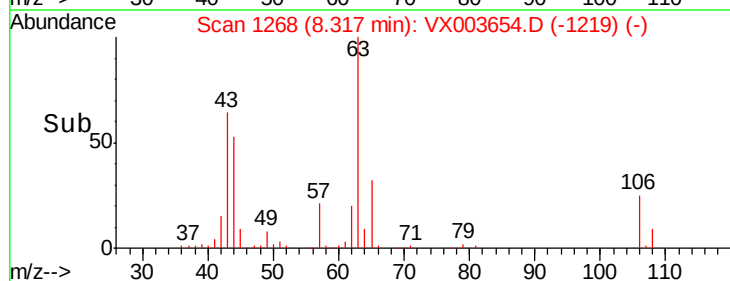
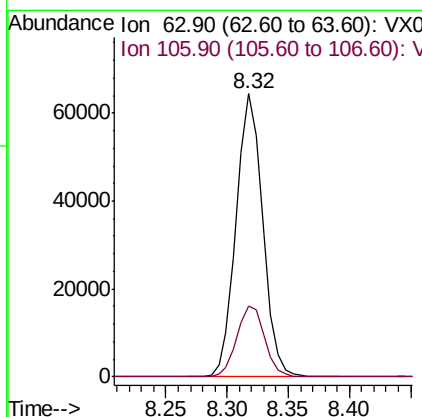
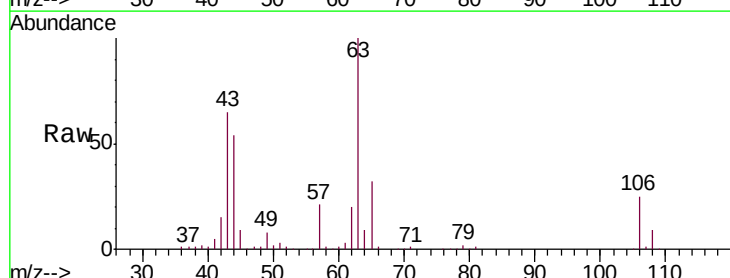
Manual Integrations
 APPROVED

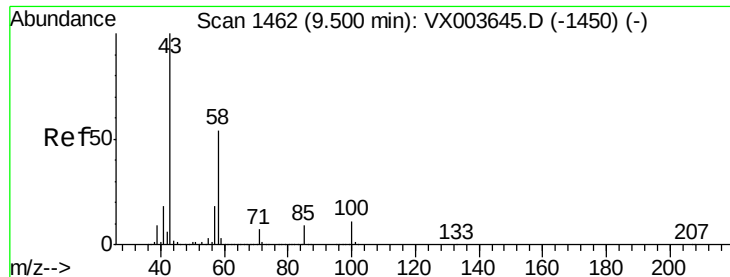
MMDadoda
 7/27/2018 5:29:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.62 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion: 63 Resp: 97359
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.5 32.3





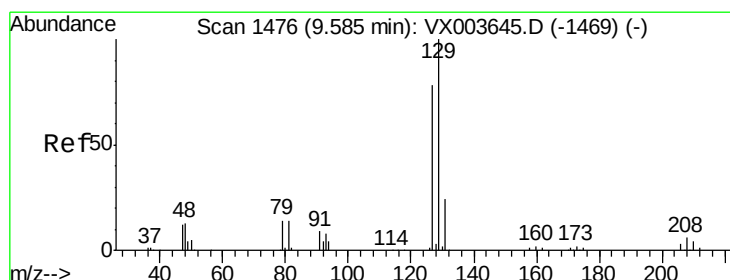
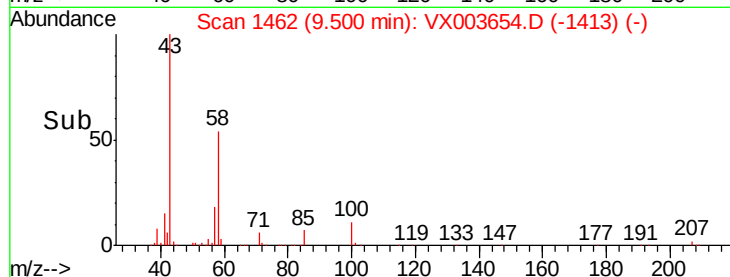
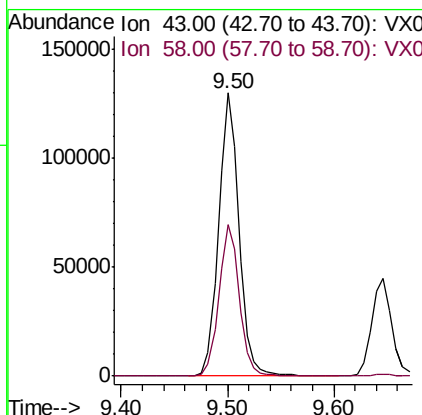
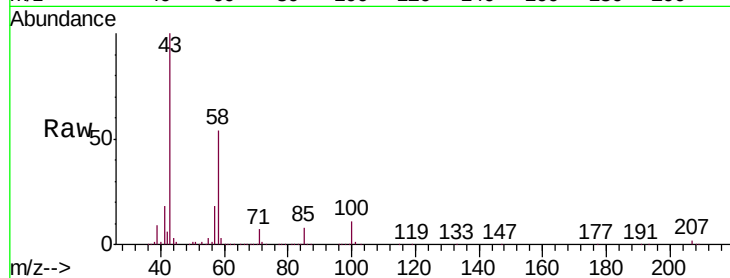
#59
2-Hexanone
Concen: 116.24 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.9

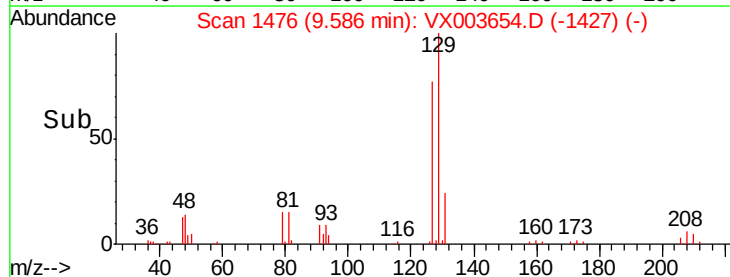
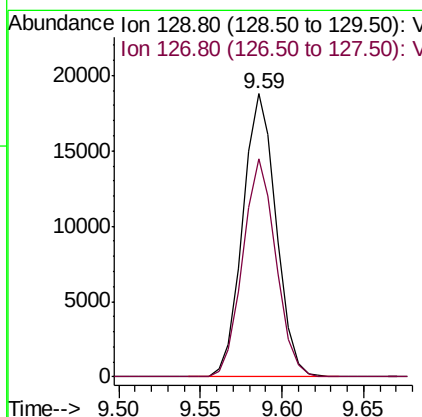
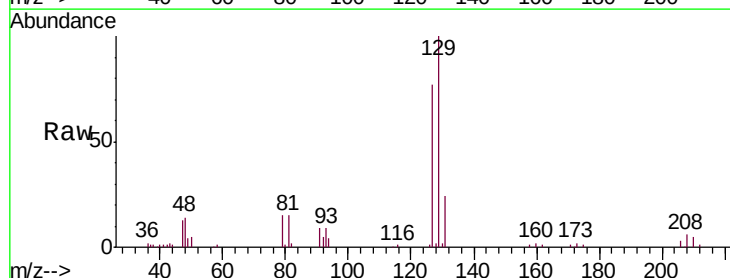
Manual Integrations
APPROVED

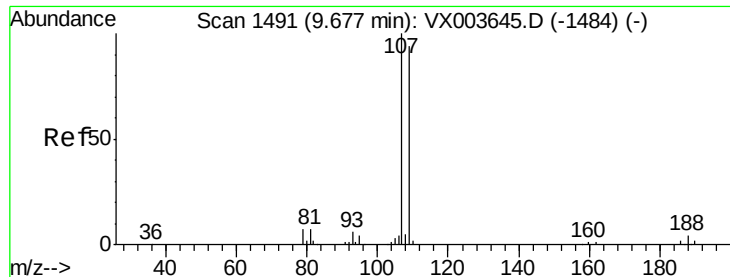
MMDadoda
7/27/2018 5:29:36 PM



#60
Dibromochloromethane
Concen: 22.86 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.7	116.1





#61

1,2-Dibromoethane

Concen: 22.32 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion:107 Resp: 28655

Ion Ratio Lower Upper

107 100

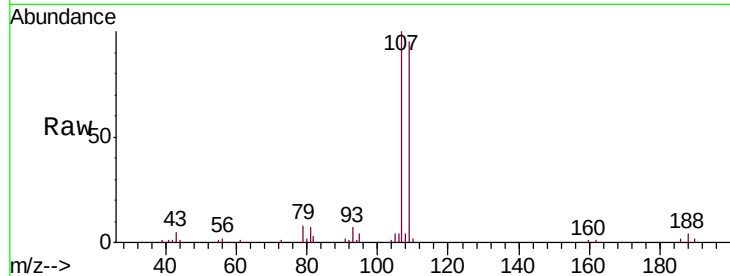
109 94.3 75.4 113.2

Manual Integrations

APPROVED

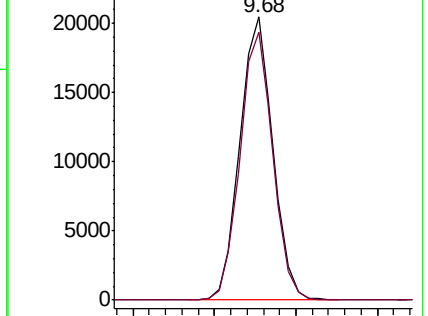
MMDadoda

7/27/2018 5:29:36 PM

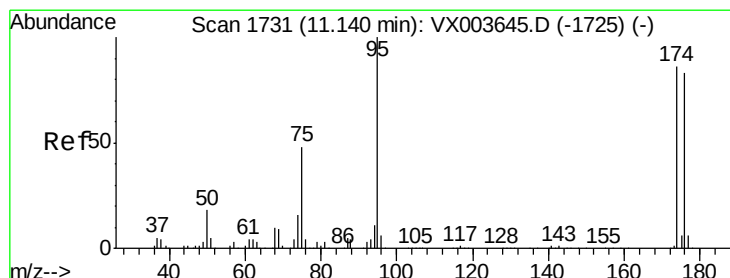
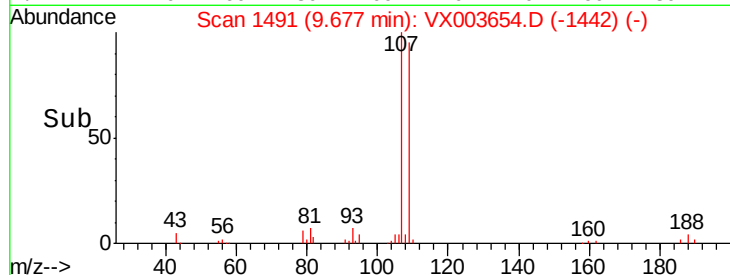


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

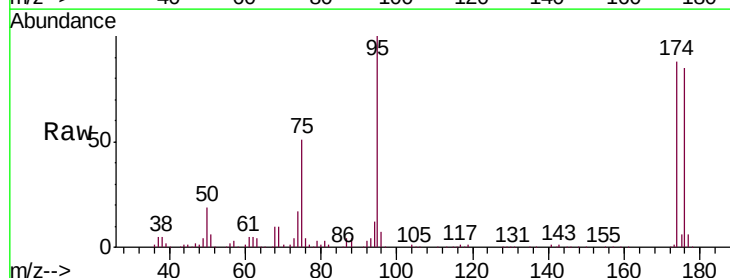
Tgt Ion: 95 Resp: 81634

Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.0

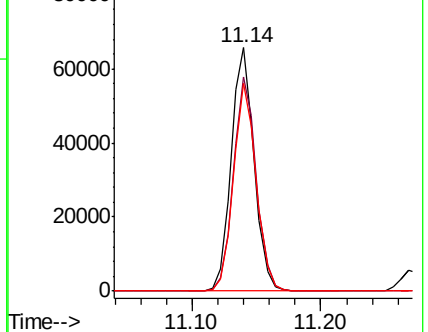
176 84.6 0.0 173.0



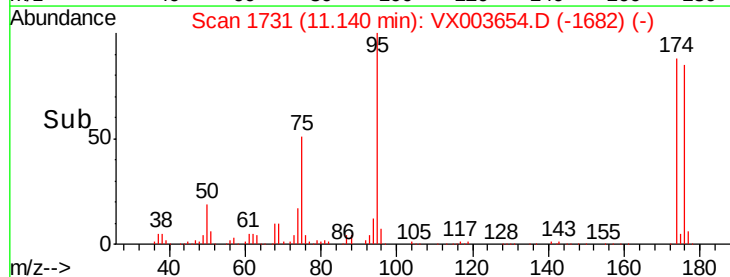
Abundance Ion 94.90 (94.60 to 95.60): VX0

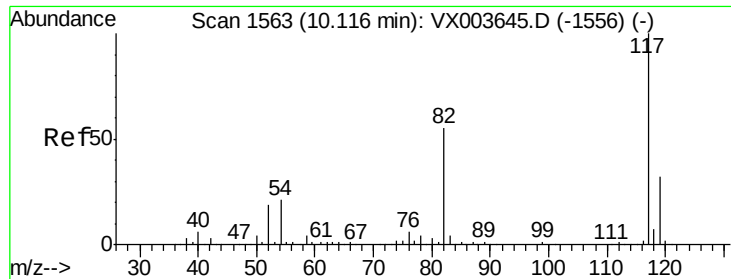
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





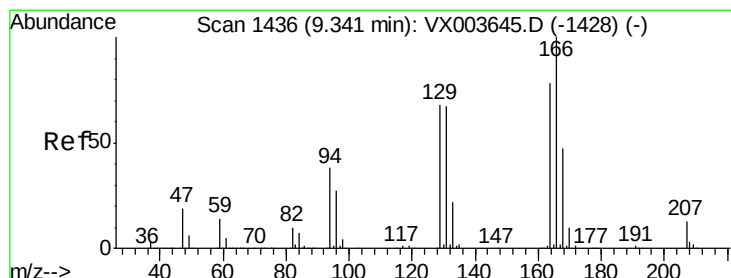
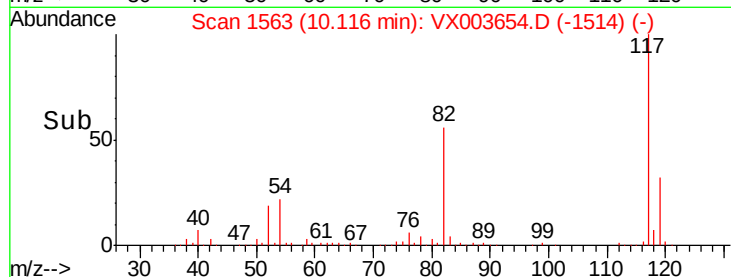
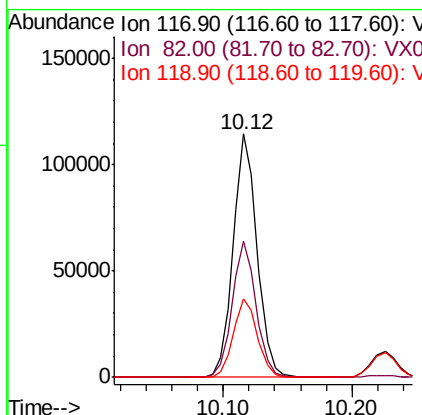
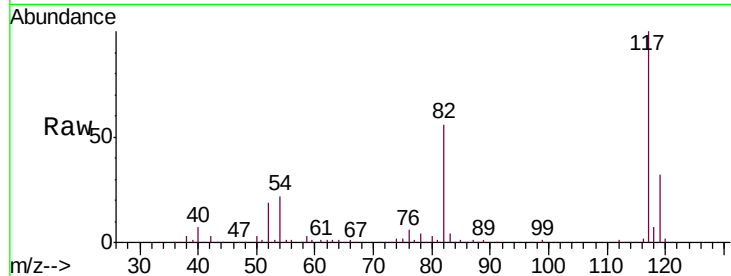
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	32.2	25.6	38.4

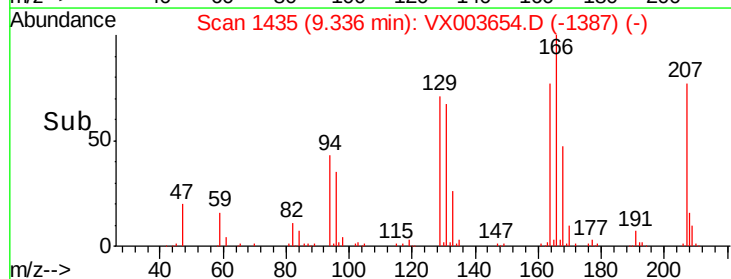
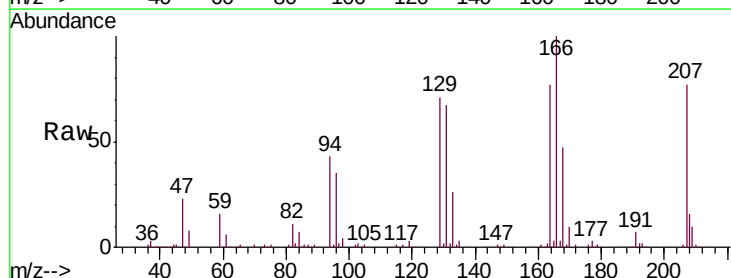
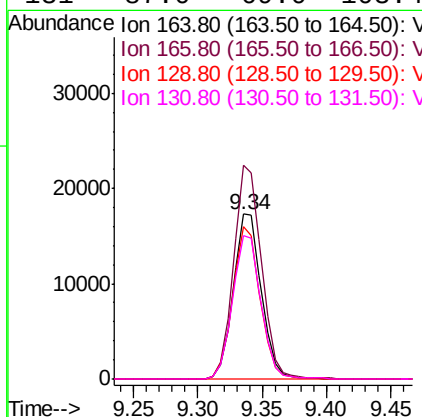
Manual Integrations
APPROVED

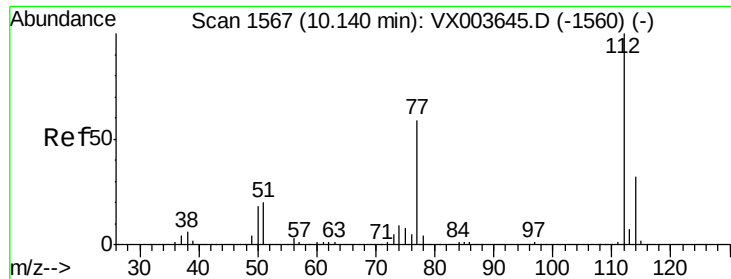
MMDadoda
7/27/2018 5:29:36 PM



#64
Tetrachloroethene
Concen: 19.39 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.4	153.6
129	92.1	69.6	104.4
131	87.0	69.0	103.4





#65

Chlorobenzene

Concen: 19.96 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampled :

VX0725WBS01

Tot Ion:112 Resp: 74428

Ion Ratio Lower Upper

112 100

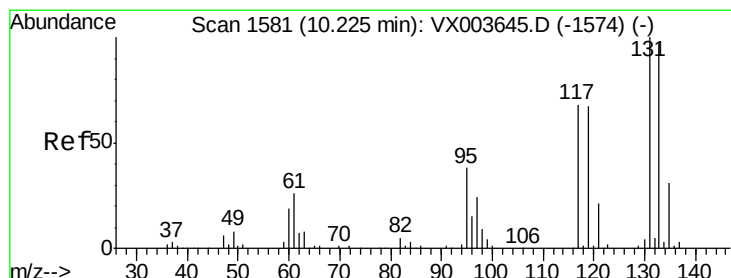
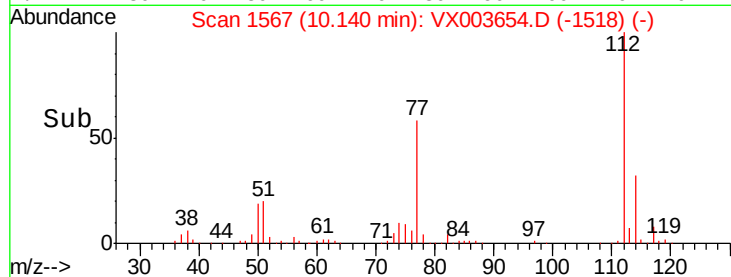
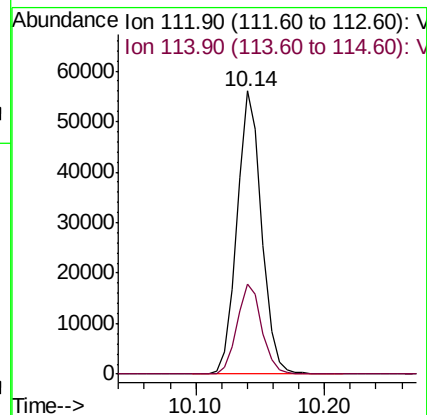
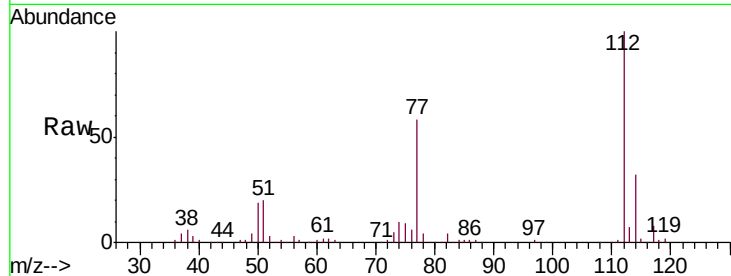
114 31.6 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.59 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

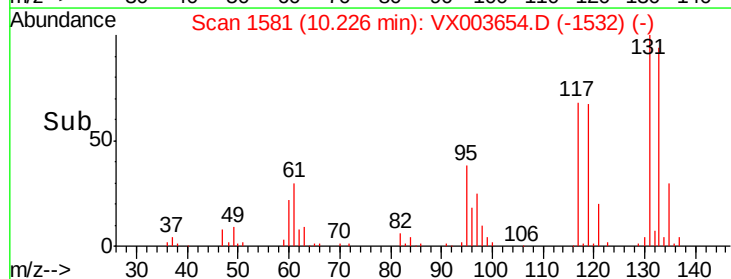
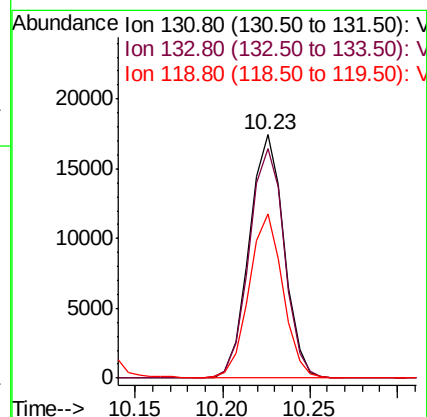
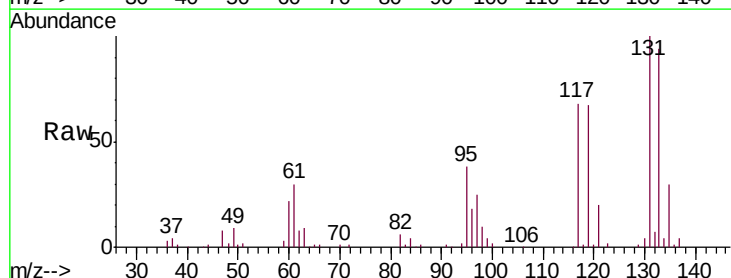
Tgt Ion:131 Resp: 24091

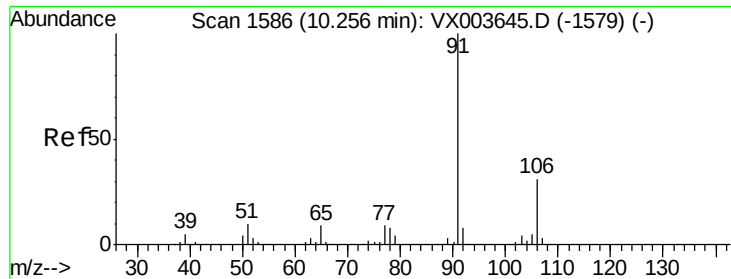
Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.8

119 65.8 32.8 98.4





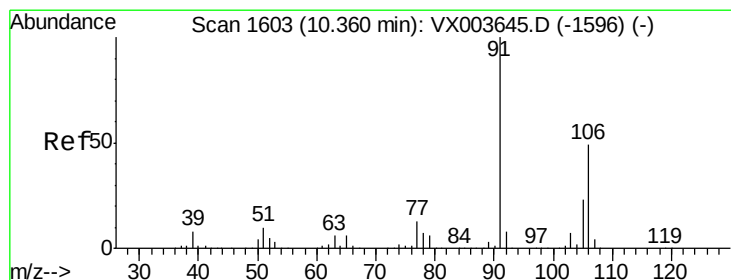
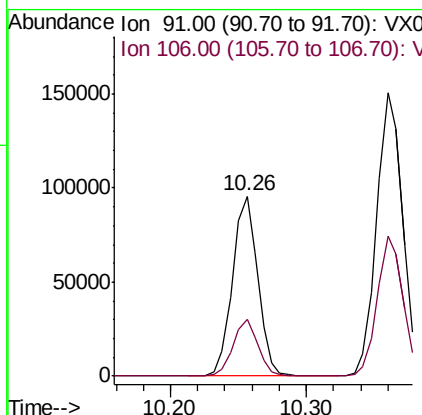
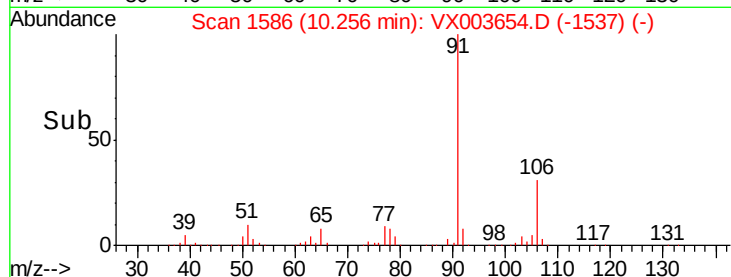
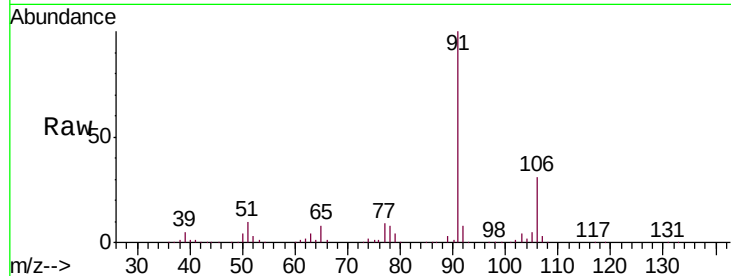
#67
Ethyl Benzene
Concen: 19.89 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0725WBS01

Tot Ion: 91 Resp: 124139
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

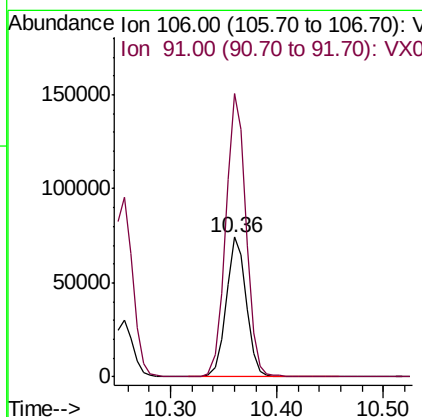
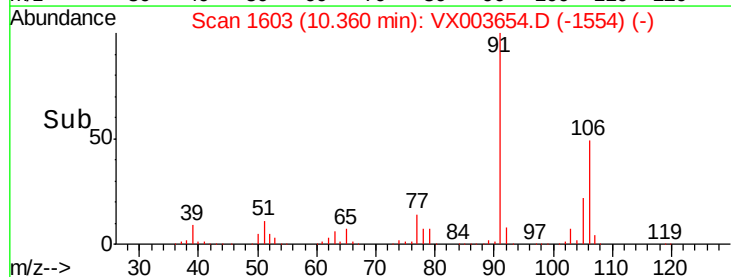
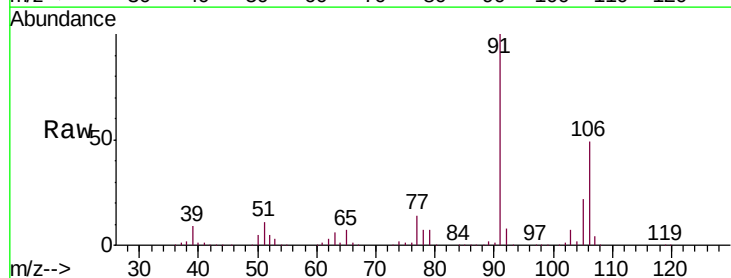
Manual Integrations
APPROVED

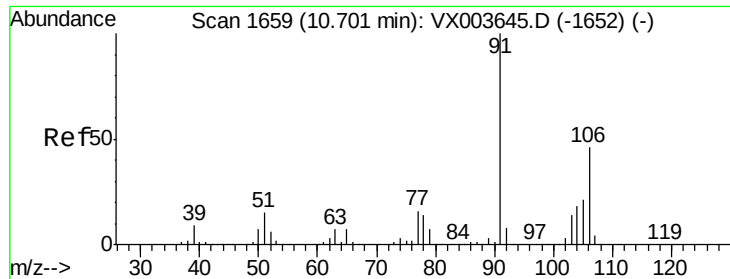
MMDadoda
7/27/2018 5:29:36 PM



#68
m/p-Xylenes
Concen: 40.88 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion: 106 Resp: 97884
Ion Ratio Lower Upper
106 100
91 204.9 162.2 243.2





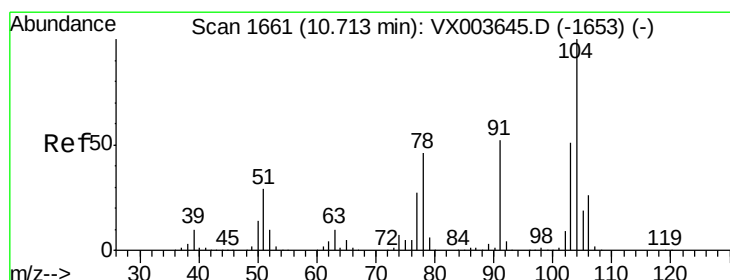
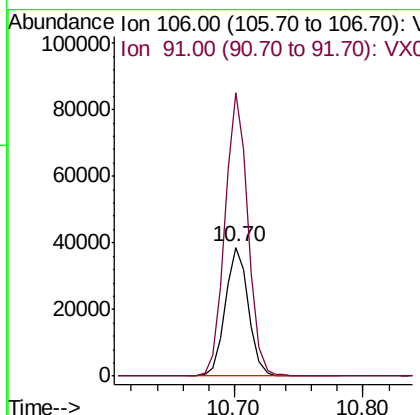
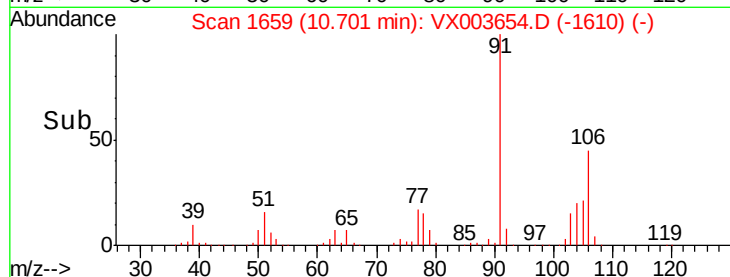
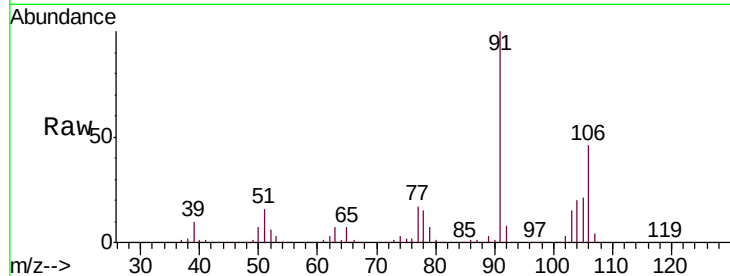
#69
o-Xylene
Concen: 21.33 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion:106 Resp: 49165
Ion Ratio Lower Upper
106 100
91 217.9 107.1 321.1

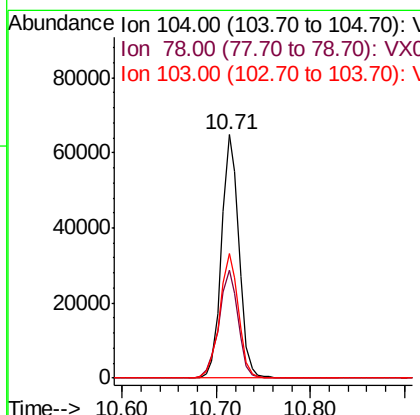
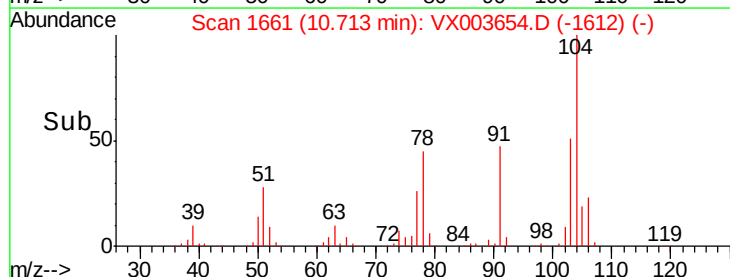
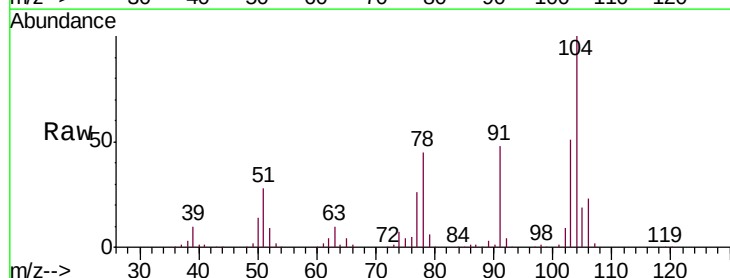
Manual Integrations
APPROVED

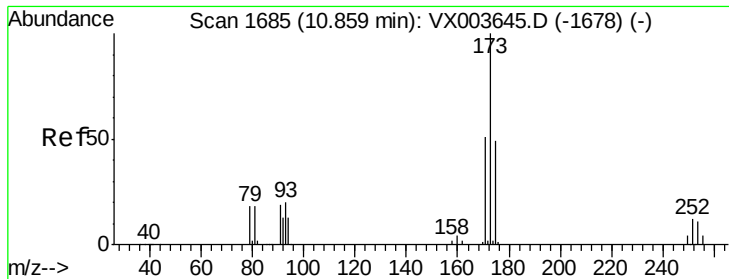
MMDadoda
7/27/2018 5:29:36 PM



#70
Styrene
Concen: 21.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion:104 Resp: 83267
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 54.9 44.2 66.4





#71

Bromoform

Concen: 20.06 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion:173 Resp: 20564

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.2

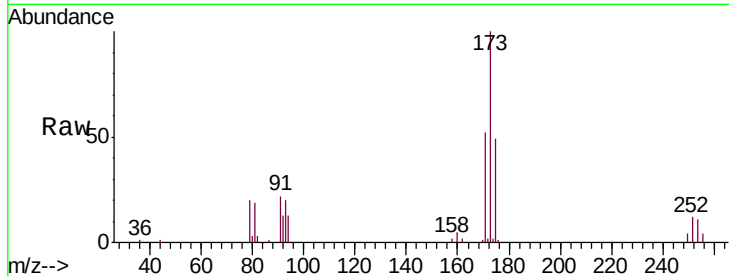
254 0.0 0.0 0.0

Manual Integrations

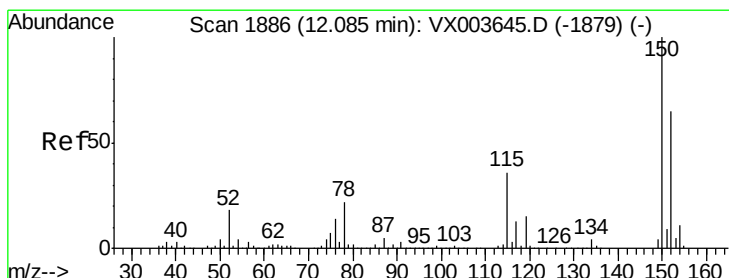
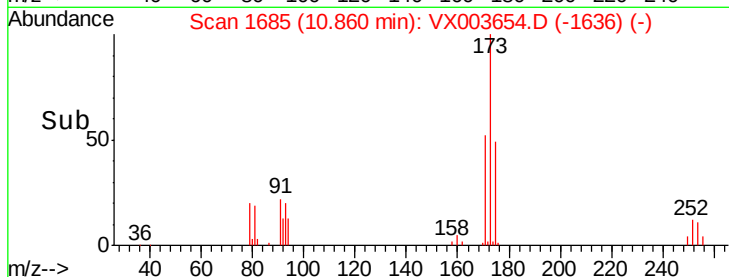
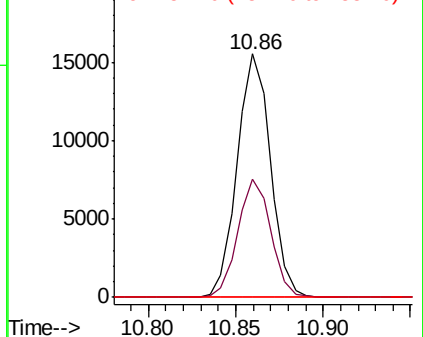
APPROVED

MMDadoda

7/27/2018 5:29:36 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: VX003654.D

Acq: 25 Jul 2018 13:12

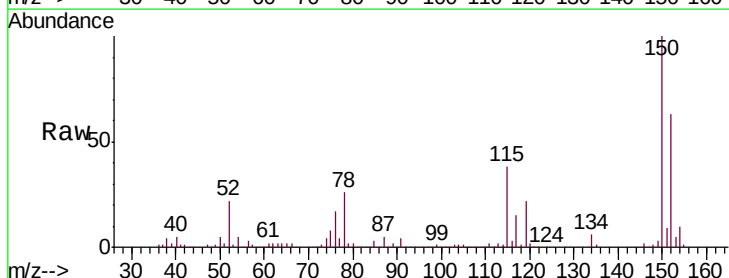
Tgt Ion:152 Resp: 81792

Ion Ratio Lower Upper

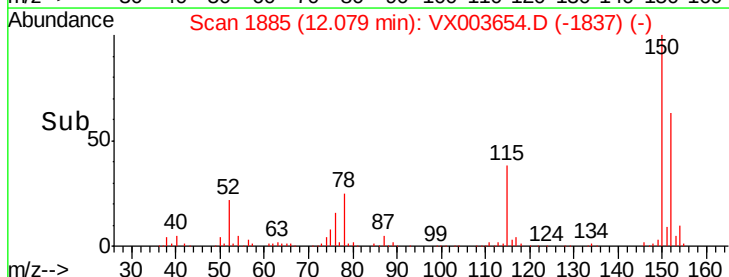
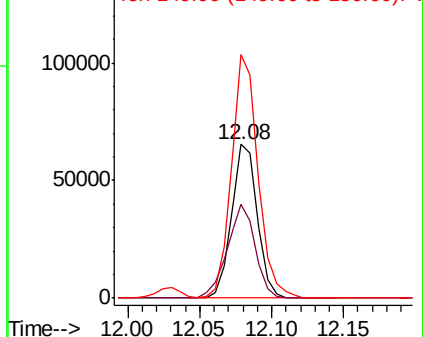
152 100

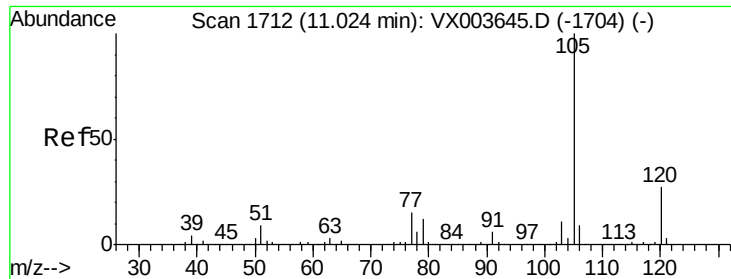
115 66.0 40.0 119.9

150 163.2 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: 22.18 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion:105 Resp: 123931

Ion Ratio Lower Upper

105 100

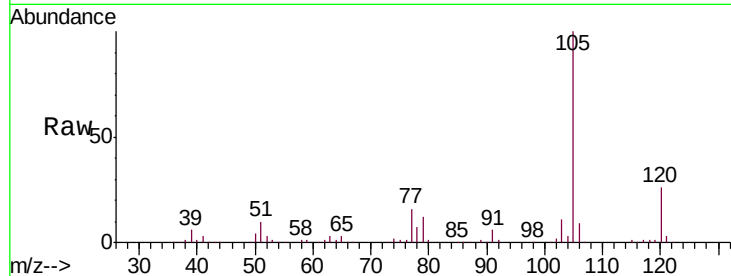
120 26.3 13.5 40.5

Manual Integrations

APPROVED

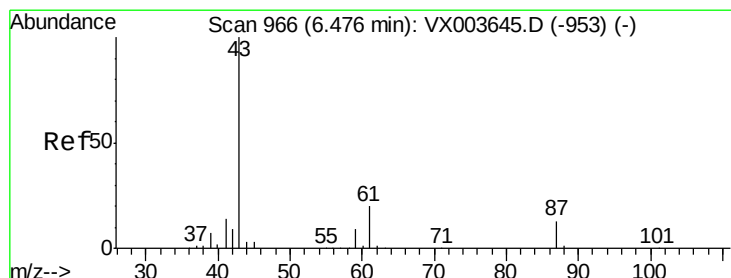
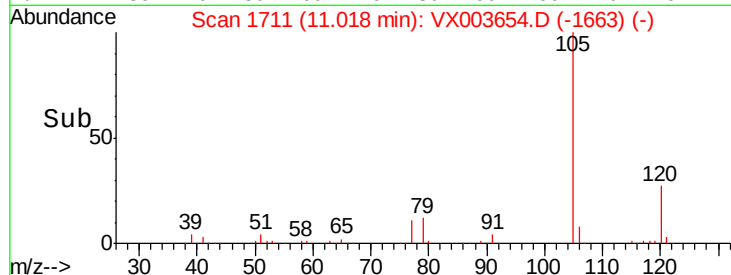
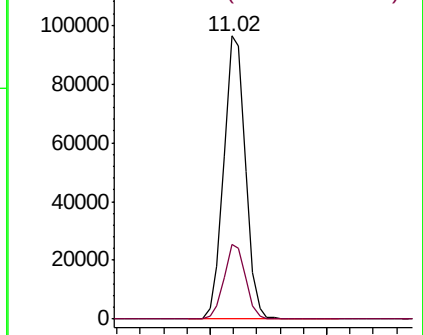
MMDadoda

7/27/2018 5:29:36 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.20 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion: 43 Resp: 58872

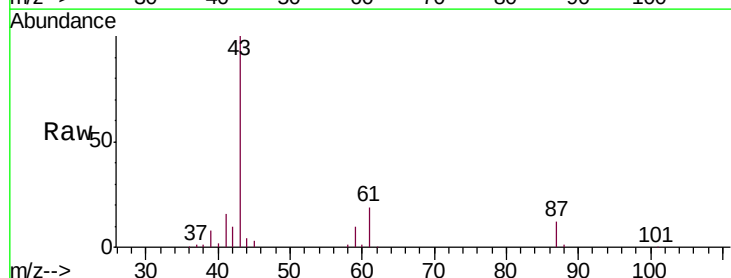
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.2 15.9 23.9

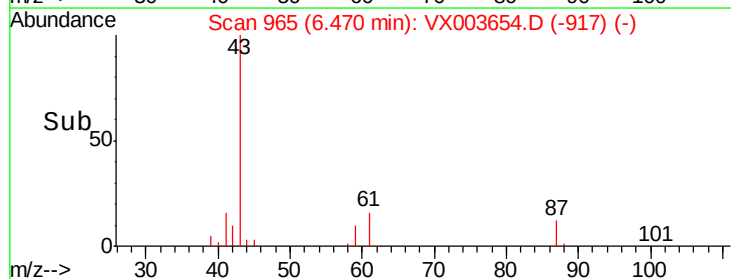
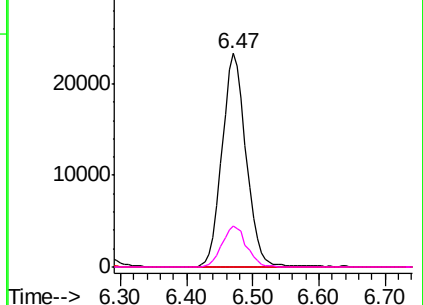


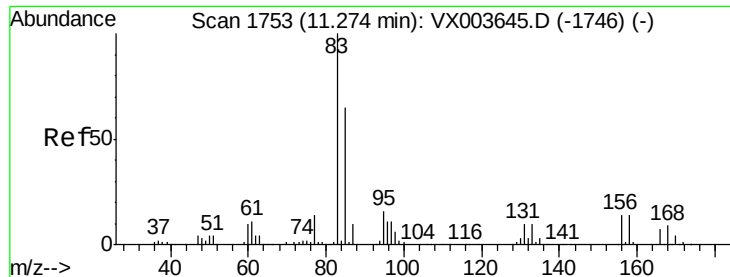
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.21 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

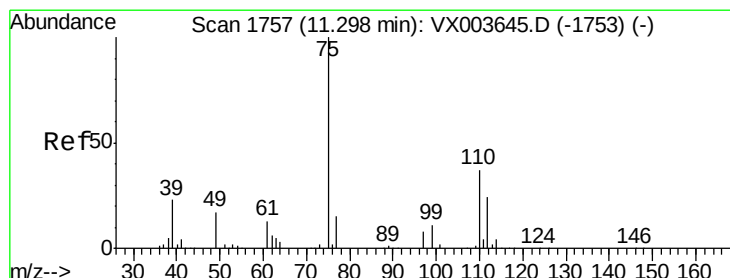
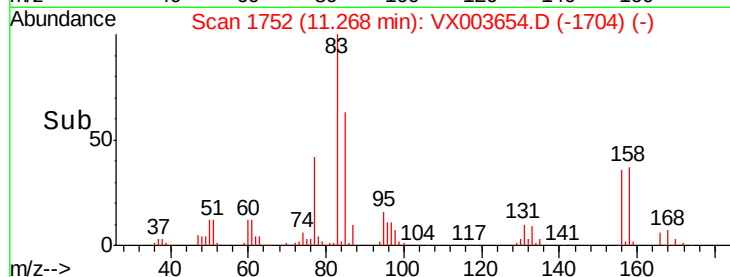
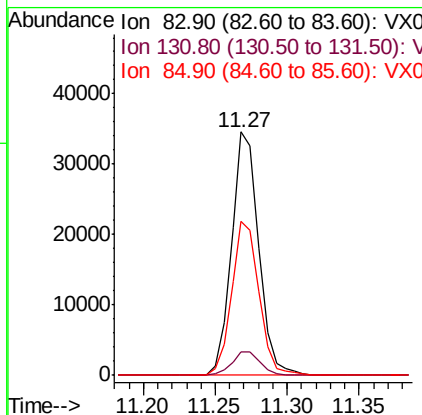
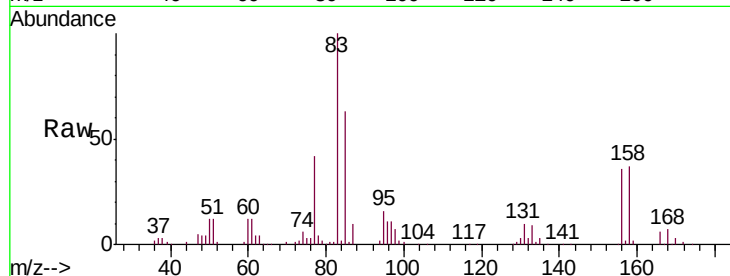
ClientSampleId :

VX0725WBS01

Tot Ion:	83	Resp:	45838
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	63.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#76

1,2,3-Trichloropropane

Concen: 23.08 ug/l m

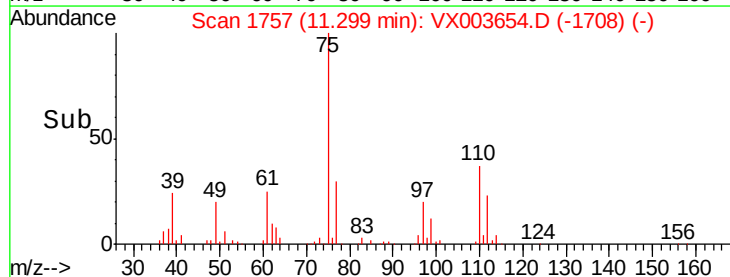
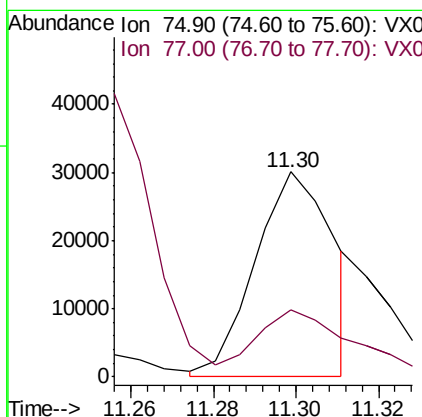
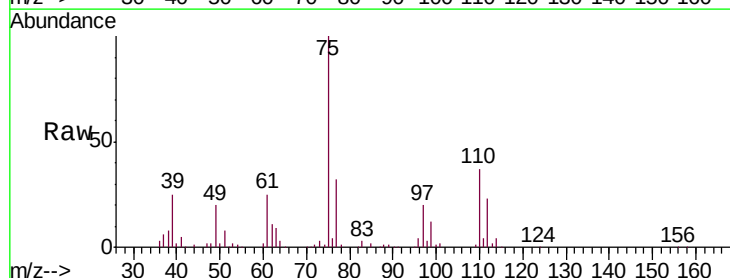
RT: 11.30 min Scan# 1757

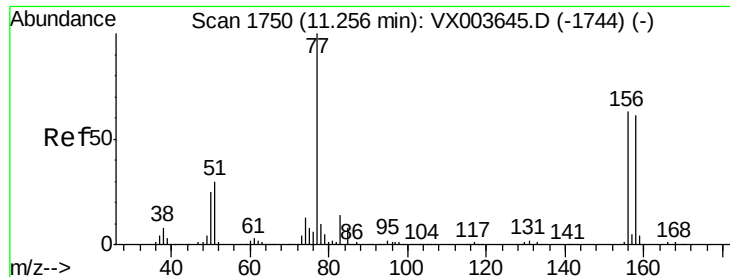
Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	75	Resp:	39601
Ion	Ratio	Lower	Upper
75	100		
77	41.1	21.6	64.6





#77

Bromobenzene

Concen: 22.10 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion:156 Resp: 33547

Ion Ratio Lower Upper

156 100

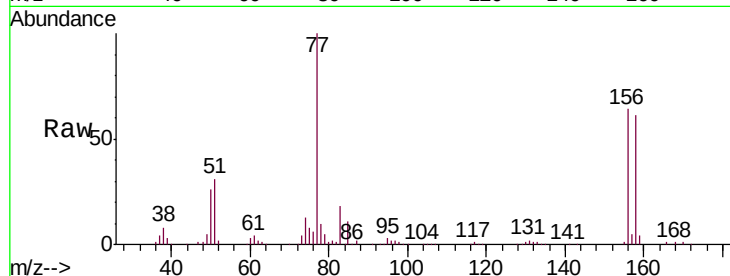
77 151.2 74.9 224.6

158 96.8 48.4 145.2

Manual Integrations
APPROVED

MMDadoda

7/27/2018 5:29:36 PM

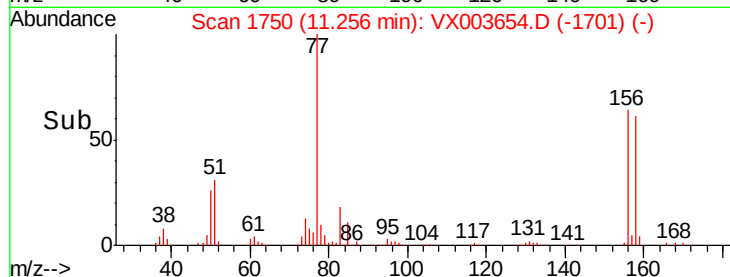


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

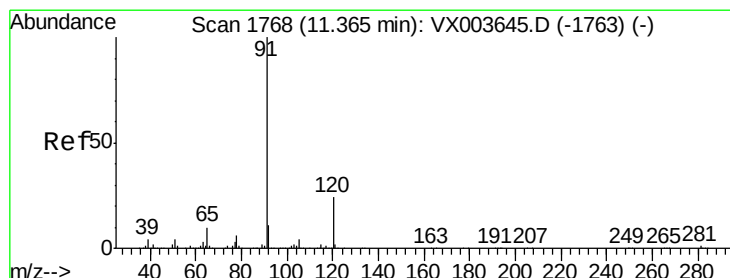
Ion 157.80 (157.50 to 158.50): V

Time-->



11.26

Time-->



#78

n-propylbenzene

Concen: 21.31 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003654.D

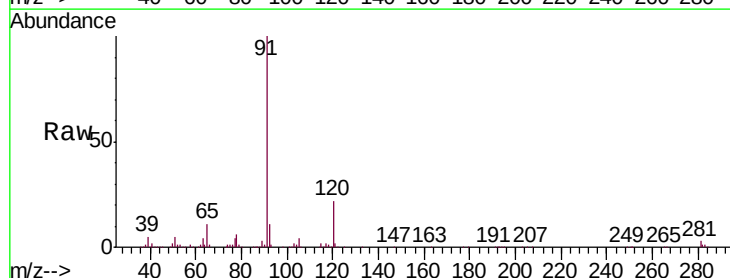
Acq: 25 Jul 2018 13:12

Tgt Ion: 91 Resp: 137520

Ion Ratio Lower Upper

91 100

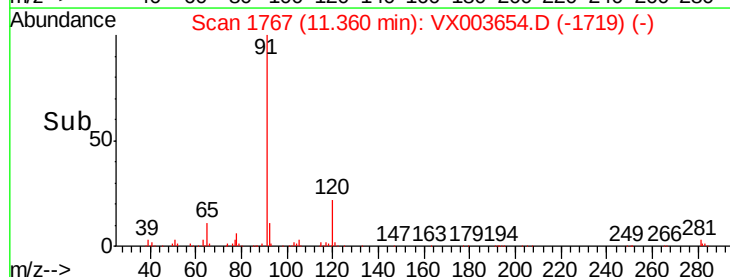
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

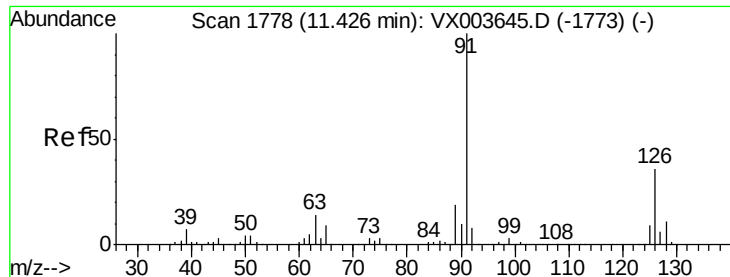
Ion 120.00 (119.70 to 120.70): V

Time-->



11.36

Time-->



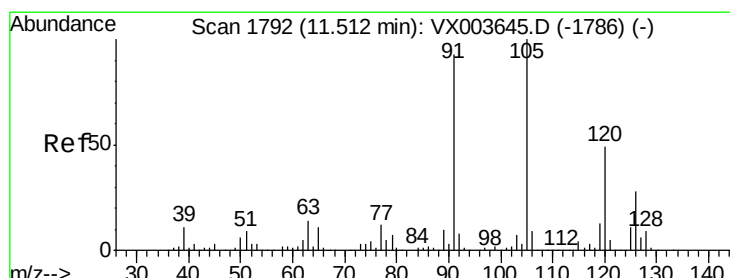
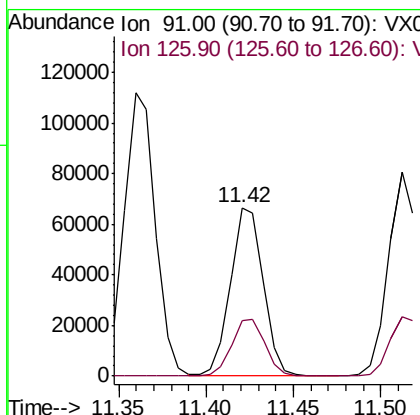
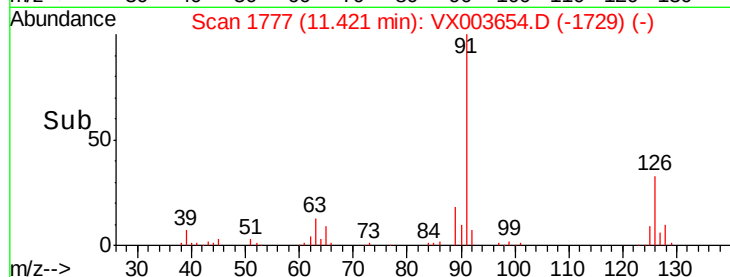
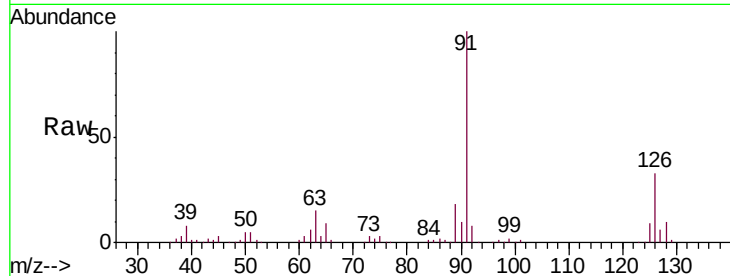
#79
 2-Chlorotoluene
 Concen: 21.93 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion: 91 Resp: 86019
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 52.0

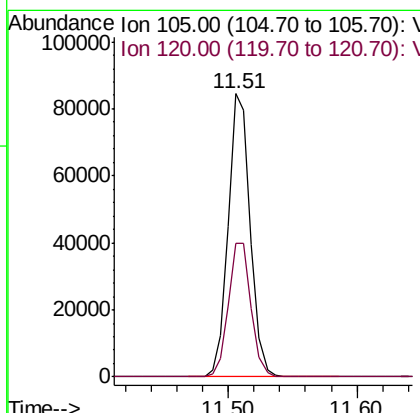
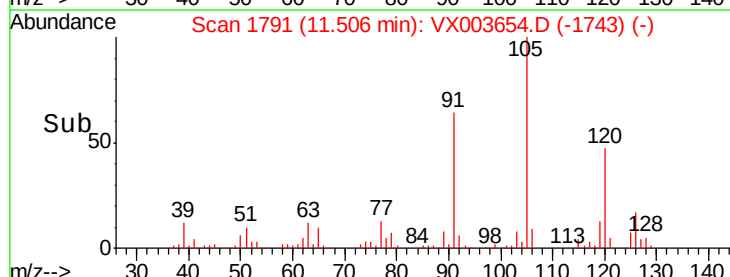
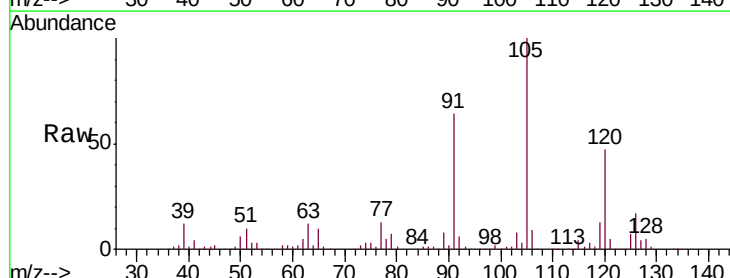
Manual Integrations
 APPROVED

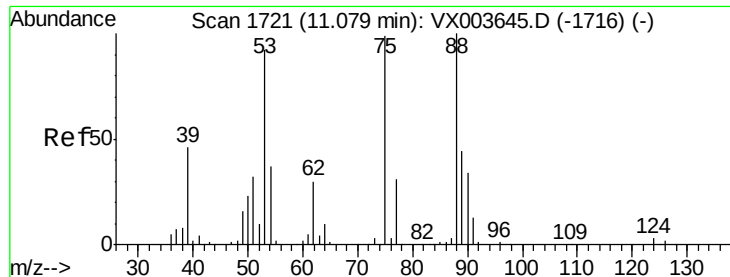
MMDadoda
 7/27/2018 5:29:36 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.51 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion: 105 Resp: 101714
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.94 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion: 75 Resp: 11597

Ion Ratio Lower Upper

75 100

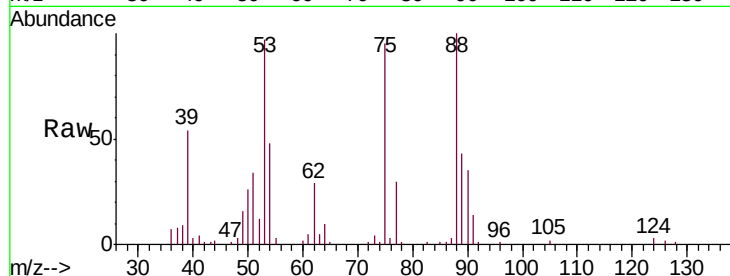
53 109.7 77.8 116.8

89 47.5 36.6 54.8

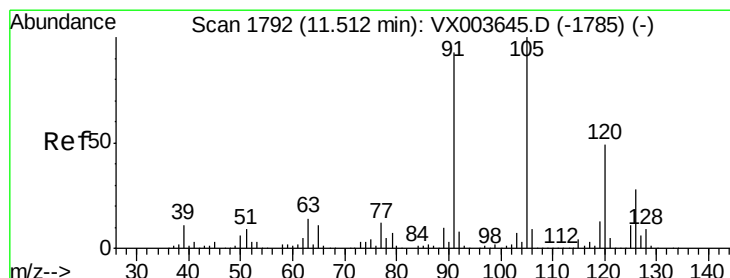
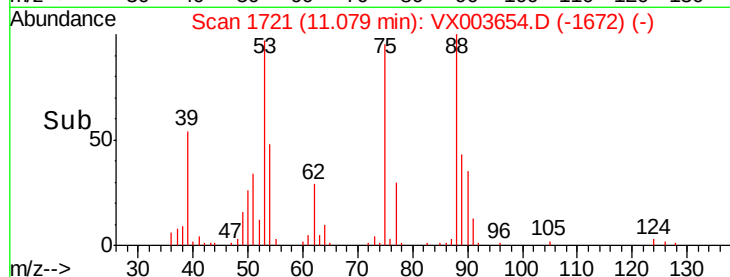
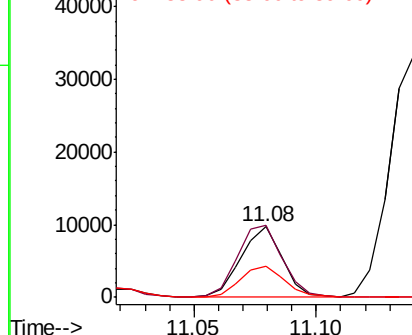
Manual Integrations
APPROVED

MMDadoda

7/27/2018 5:29:36 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.86 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003654.D

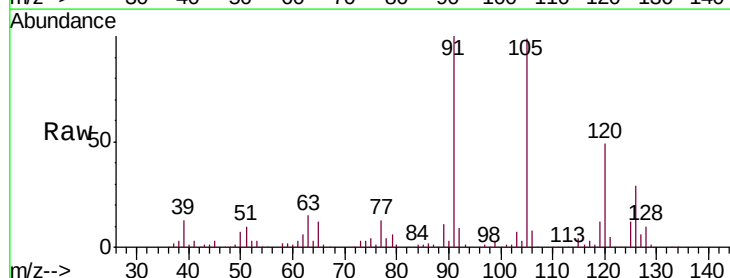
Acq: 25 Jul 2018 13:12

Tgt Ion: 91 Resp: 96366

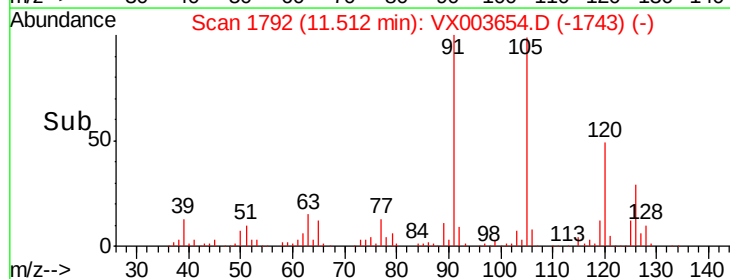
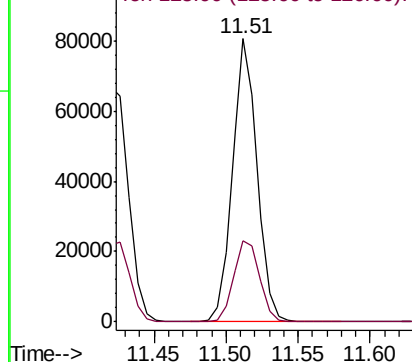
Ion Ratio Lower Upper

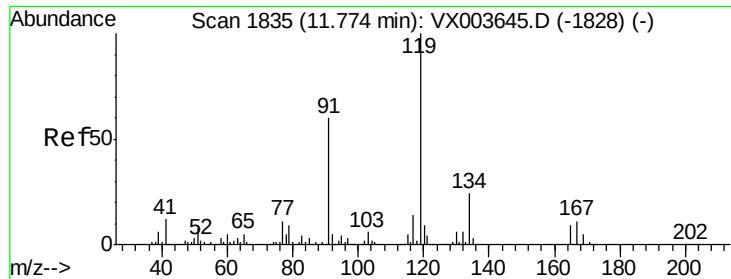
91 100

126 30.6 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





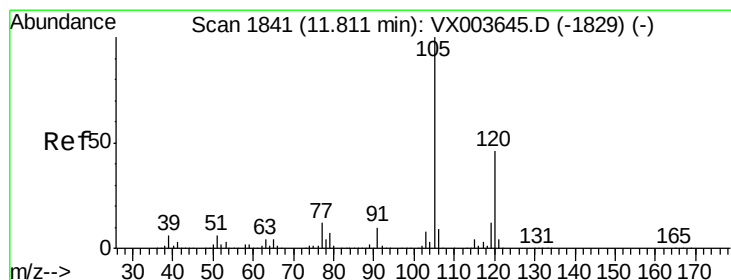
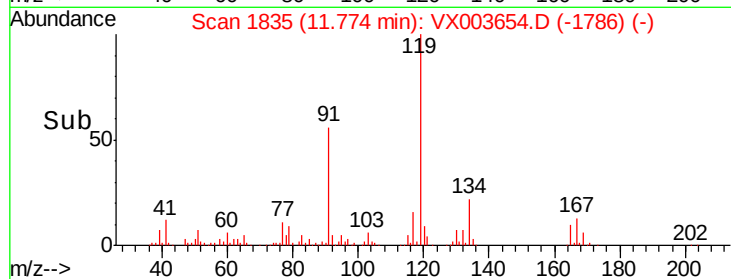
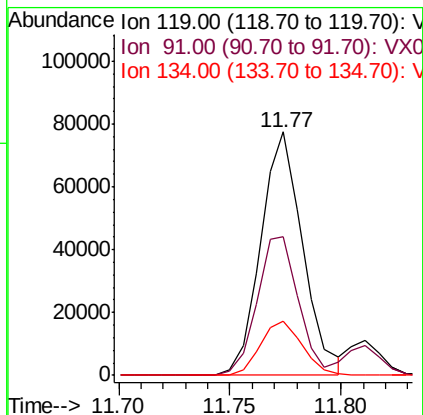
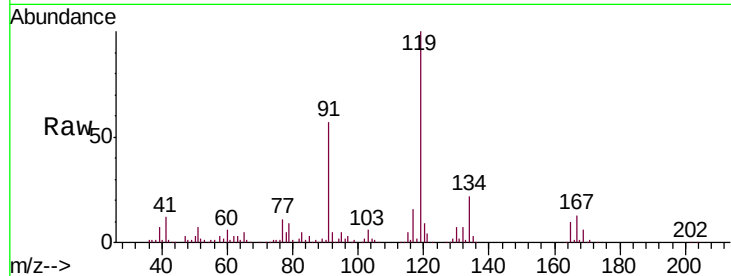
#83
 tert-Butylbenzene
 Concen: 21.90 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0725WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	101295		
91	56.2		28.4	85.2
134	22.4		11.6	34.8

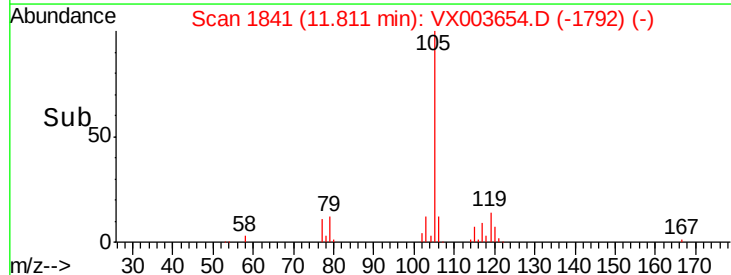
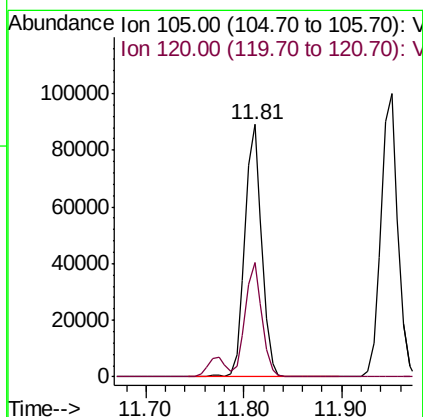
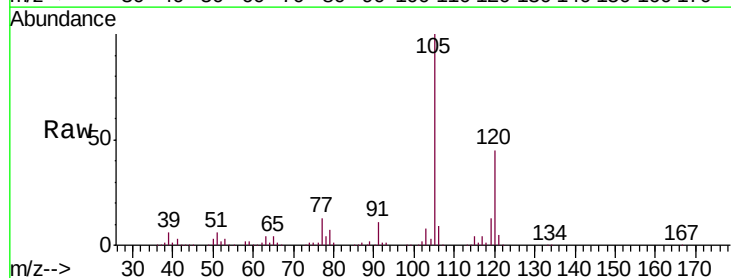
Manual Integrations
 APPROVED

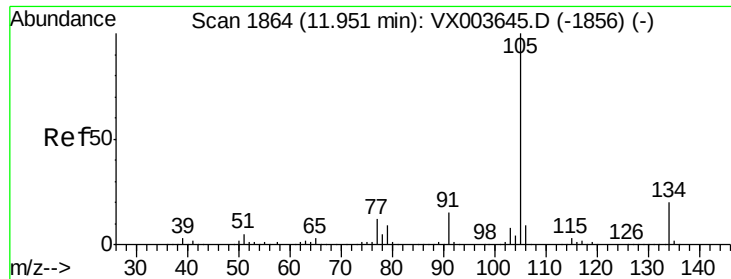
MMDadoda
 7/27/2018 5:29:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	106564		
120	44.8		22.6	67.8





#85

sec-Butylbenzene

Concen: 21.58 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBS01

Tot Ion:105 Resp: 119148

Ion Ratio Lower Upper

105 100

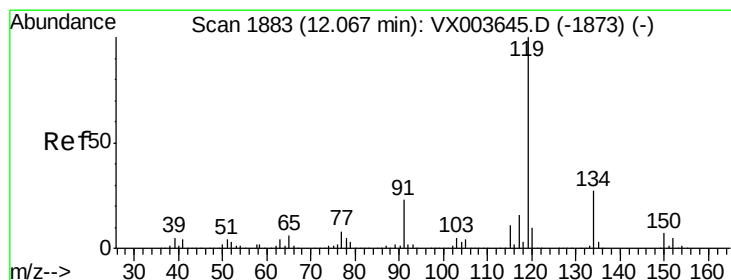
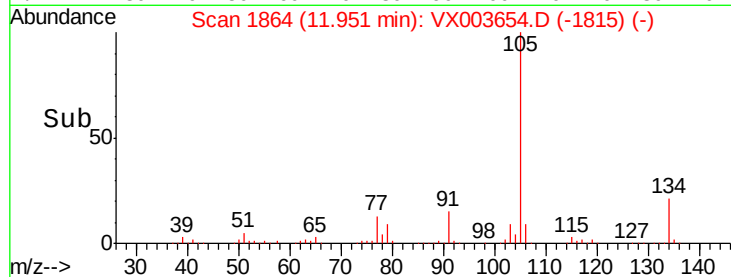
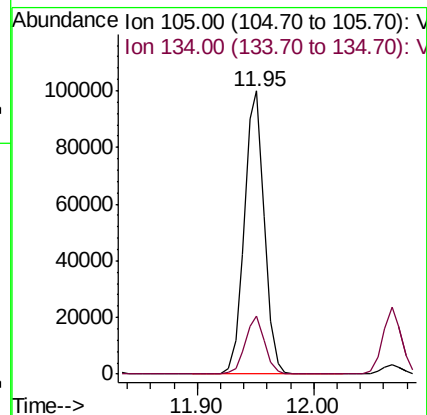
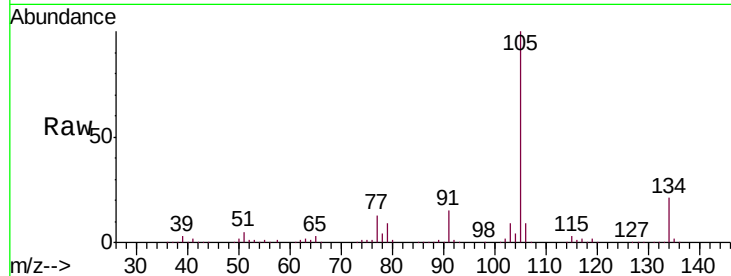
134 20.0 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

7/27/2018 5:29:36 PM



#86

p-Isopropyltoluene

Concen: 20.21 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

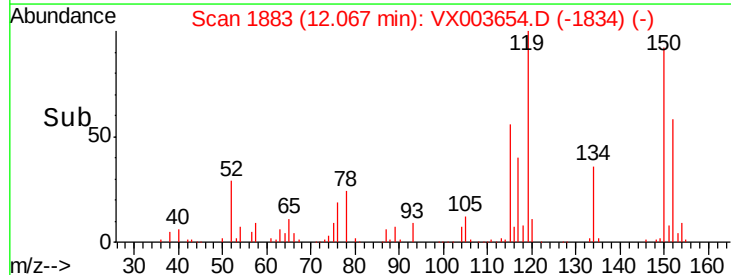
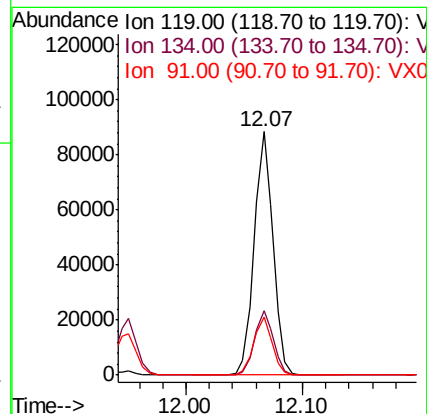
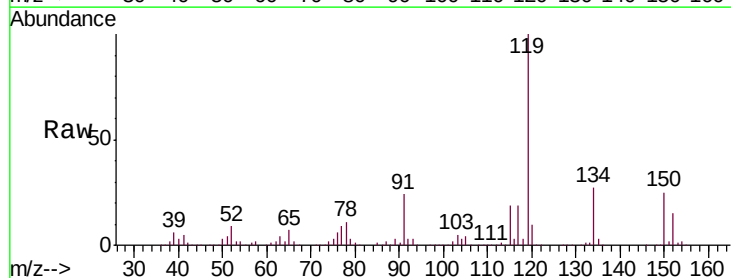
Tgt Ion:119 Resp: 100166

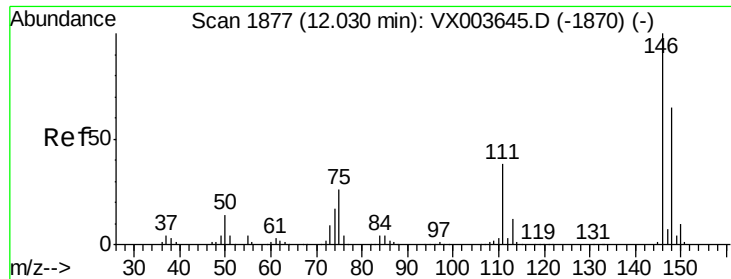
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.5 11.5 34.5





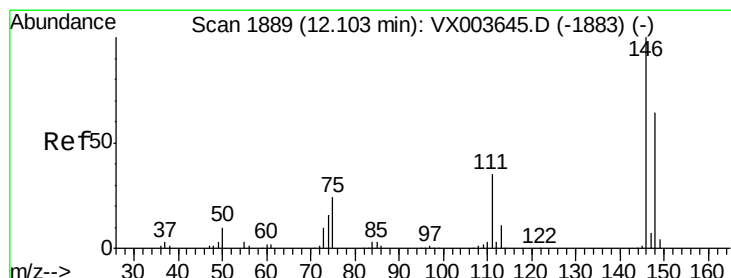
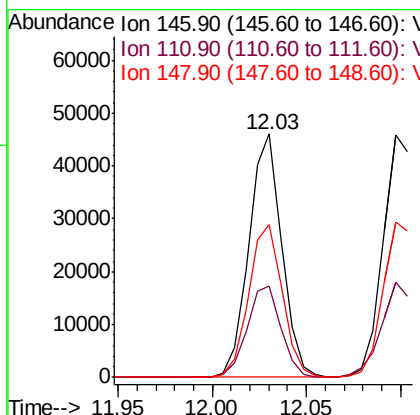
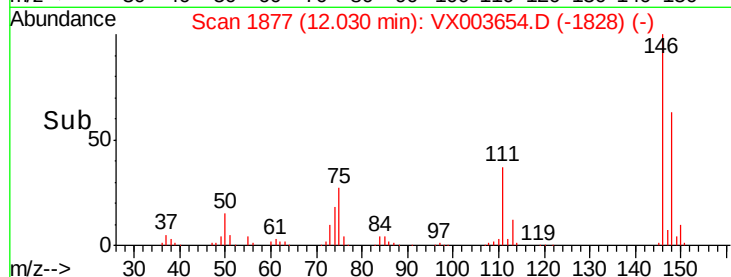
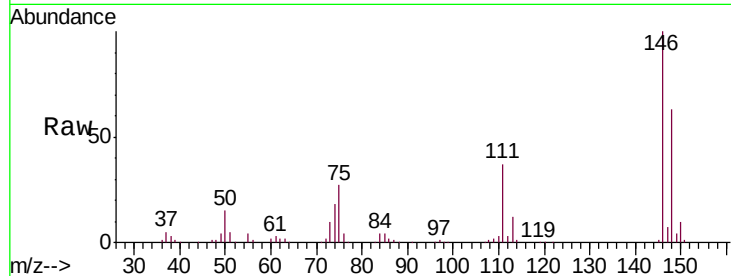
#87
 1,3-Dichlorobenzene
 Concen: 19.71 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0725WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.0	32.4	97.0

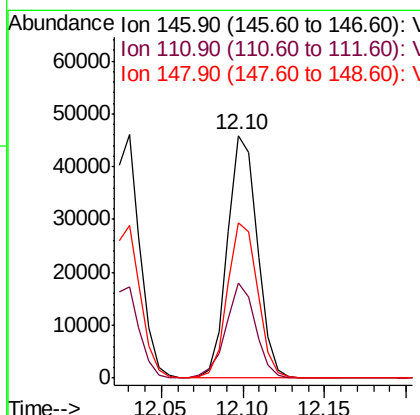
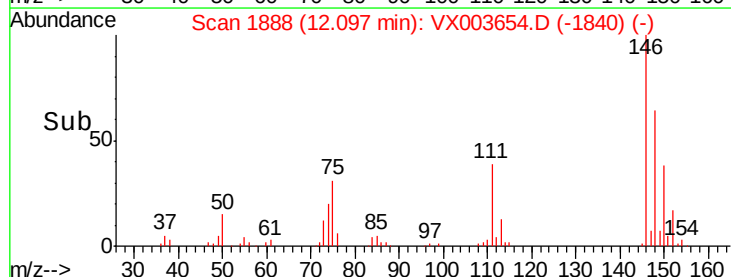
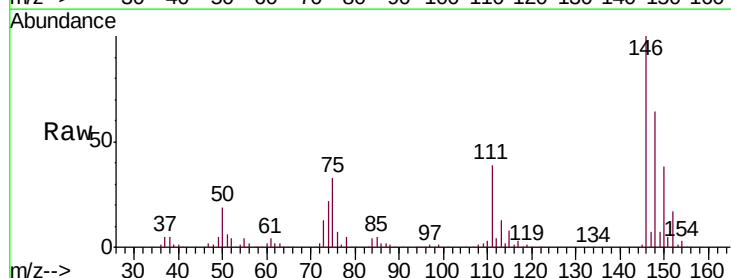
Manual Integrations
 APPROVED

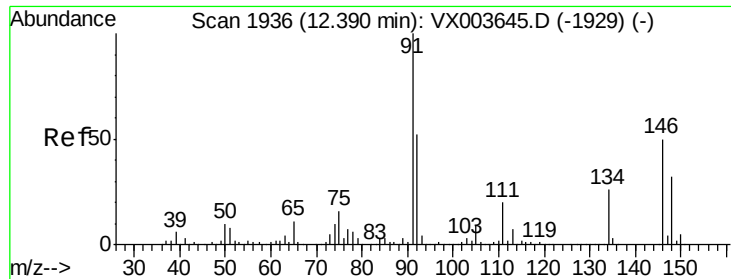
MMDadoda
 7/27/2018 5:29:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.91 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.6	55.6
148	64.7	32.0	96.2





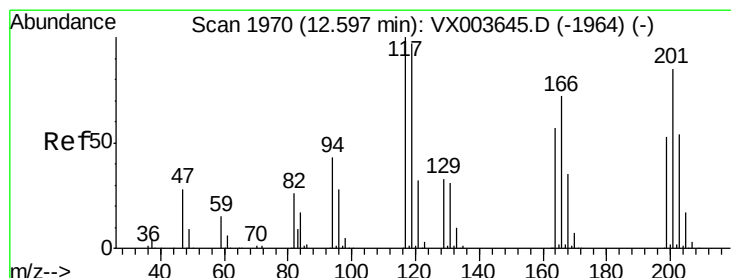
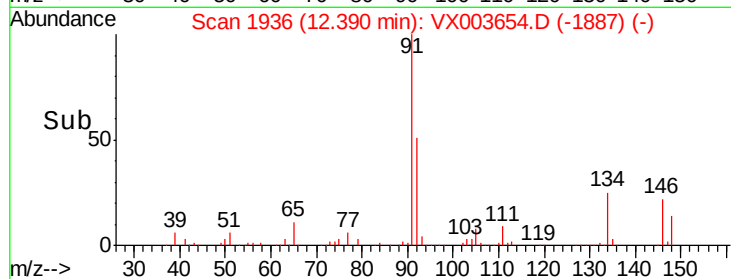
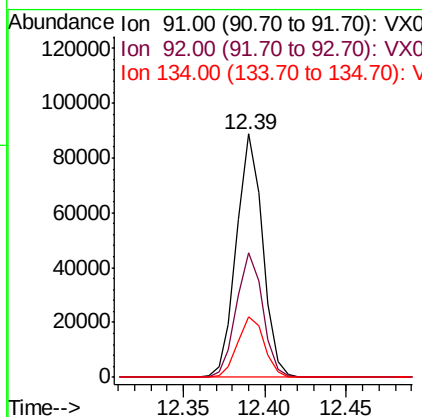
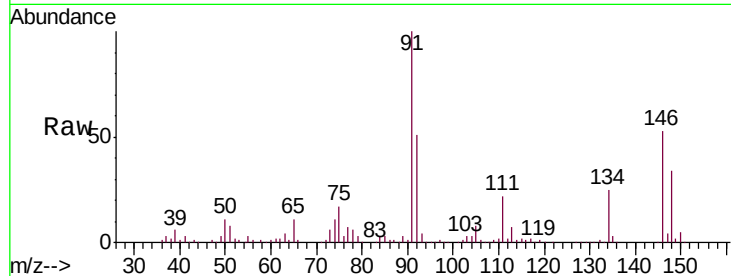
#89
n-Butylbenzene
Concen: 22.24 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	25.5	13.3	39.8

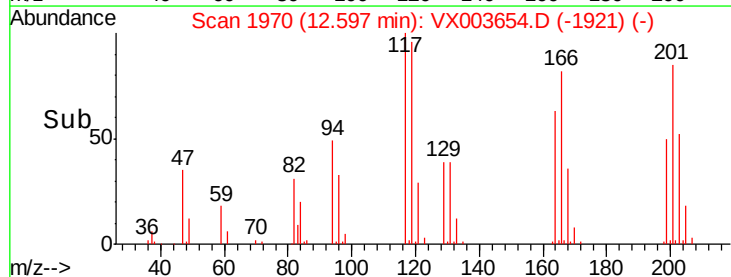
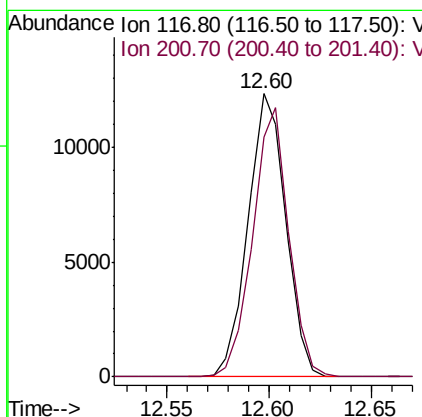
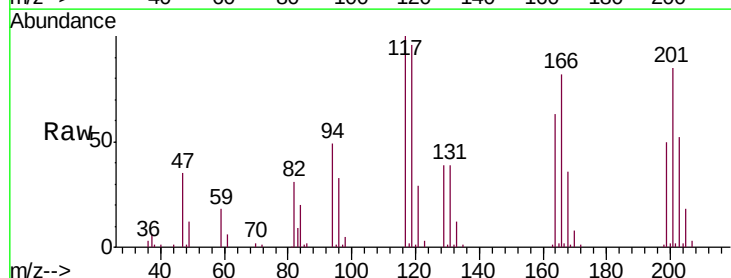
Manual Integrations
APPROVED

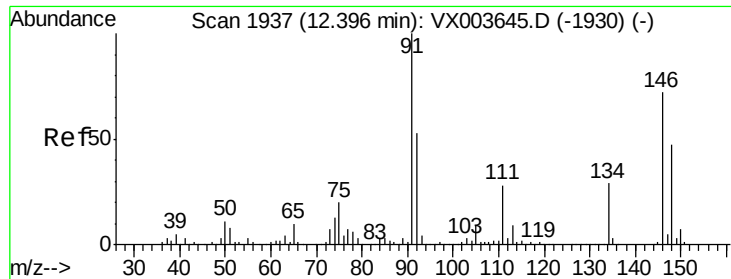
MMDadoda
7/27/2018 5:29:36 PM



#90
Hexachloroethane
Concen: 21.09 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003654.D
Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	46.2	138.5





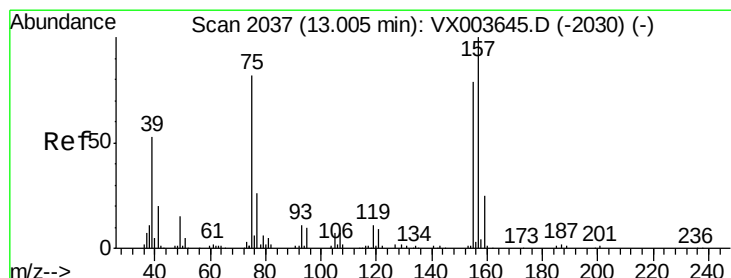
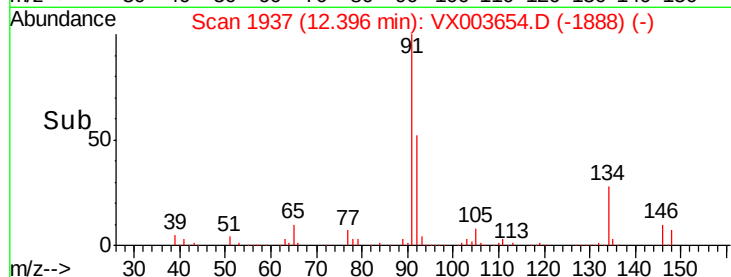
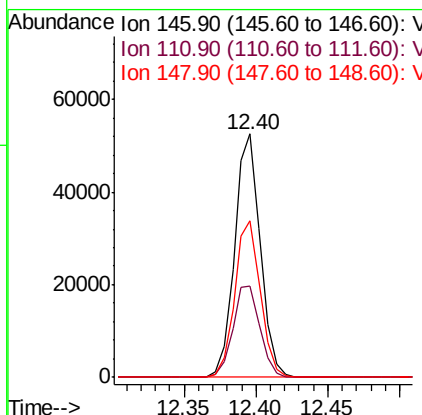
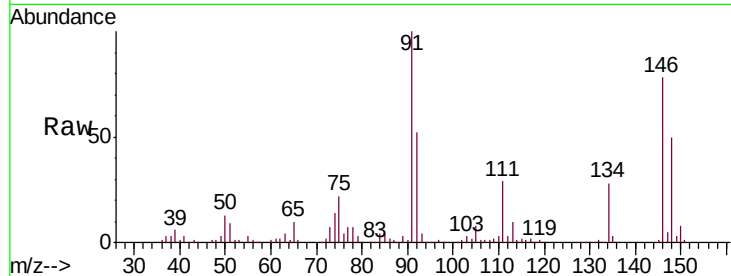
#91
 1,2-Dichlorobenzene
 Concen: 22.55 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	64.3	32.2	96.6

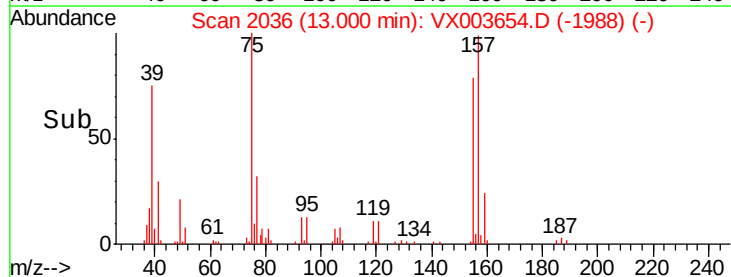
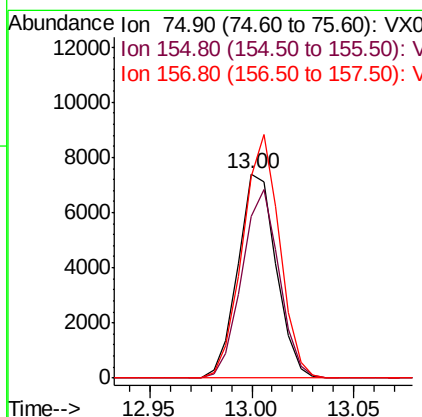
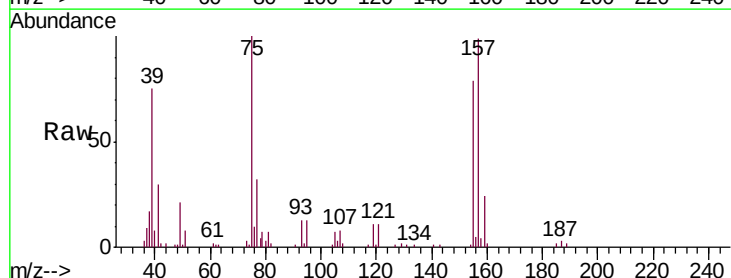
Manual Integrations
 APPROVED

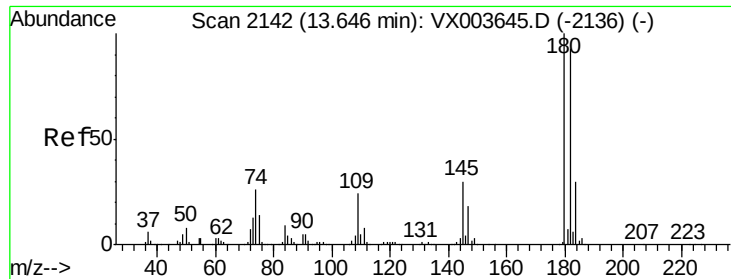
MMDadoda
 7/27/2018 5:29:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.47 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	46.1	138.3
157	115.3	59.7	179.0





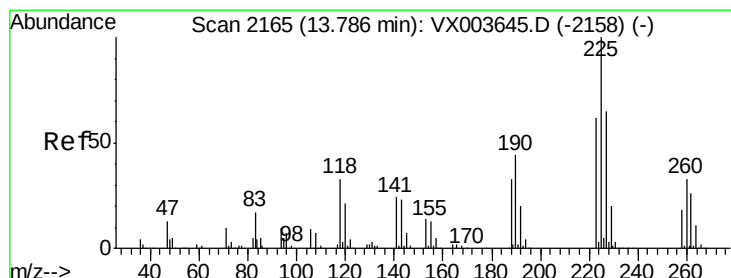
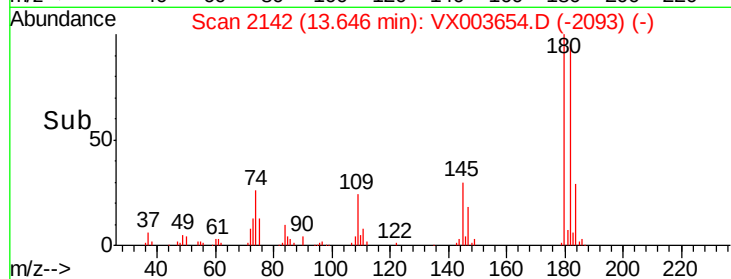
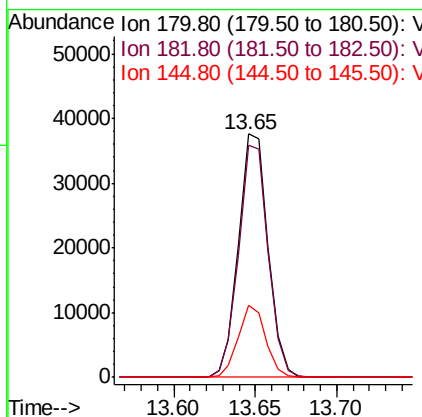
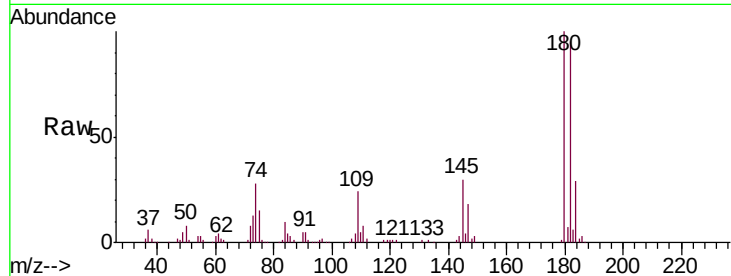
#93
 1,2,4-Trichlorobenzene
 Concen: 23.12 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	27.8	14.4	43.2

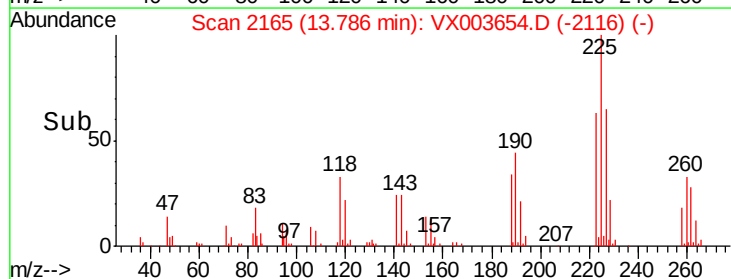
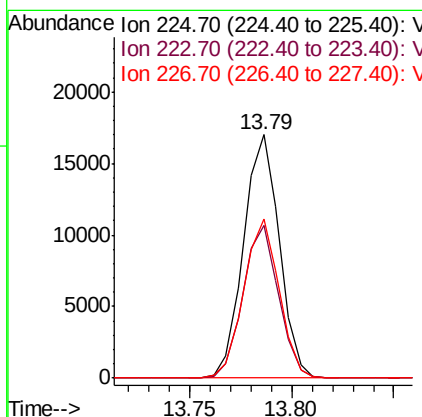
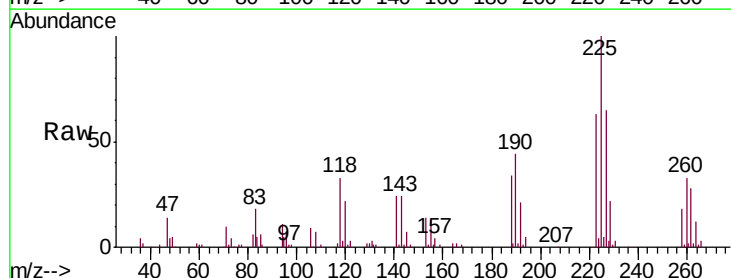
Manual Integrations
 APPROVED

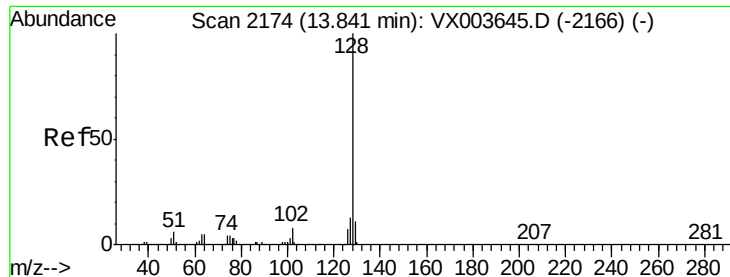
MMDadoda
 7/27/2018 5:29:36 PM



#94
 Hexachlorobutadiene
 Concen: 21.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003654.D
 Acq: 25 Jul 2018 13:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.5
227	64.8	31.9	95.7





#95

Naphthalene

Concen: 23.28 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Instrument :

MSVOA_X

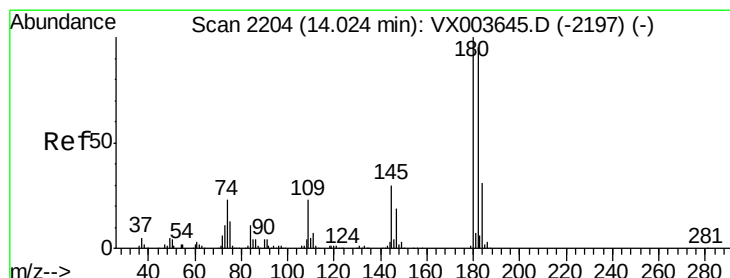
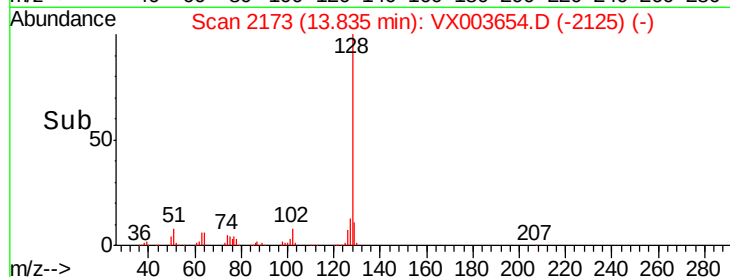
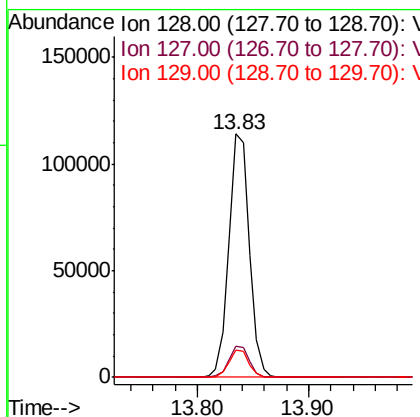
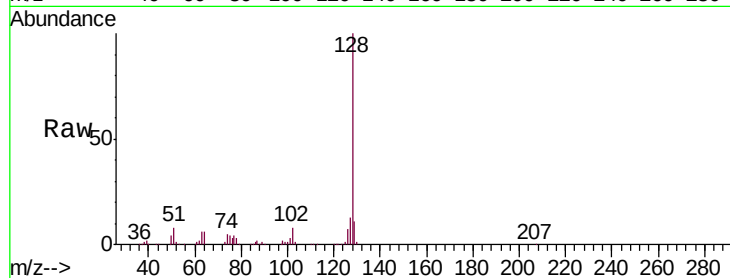
ClientSampleId :

VX0725WBS01

Tot Ion:	128	Resp:	145083
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.35 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003654.D

Acq: 25 Jul 2018 13:12

Tgt Ion:	180	Resp:	46788
Ion Ratio		Lower	Upper
180	100		
182	95.6	47.6	142.8
145	29.8	15.0	45.1

