

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006103.D
 Acq On : 19 Nov 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:55 AM

Quant Time: Nov 20 01:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	205837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	68379	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
35) Dibromofluoromethane	5.51	113	59836	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	
50) Toluene-d8	8.71	98	192470	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	
62) 4-Bromofluorobenzene	11.14	95	74024	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	44901	35.48	ug/l	97
3) Chloromethane	1.32	50	60235	36.27	ug/l	96
4) Vinyl Chloride	1.41	62	58364	35.00	ug/l	99
5) Bromomethane	1.64	94	41191	40.37	ug/l	99
6) Chloroethane	1.71	64	42903	43.12	ug/l	100
7) Trichlorofluoromethane	1.93	101	84993	38.40	ug/l	89
8) Diethyl Ether	2.19	74	39924	46.04	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54636	42.92	ug/l	98
10) Methyl Iodide	2.51	142	71140	46.11	ug/l	96
11) Tert butyl alcohol	3.07	59	95602	206.81	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51273	41.33	ug/l	93
13) Acrolein	2.29	56	45153	208.31	ug/l	97
14) Allyl chloride	2.73	41	111716	40.32	ug/l	96
15) Acrylonitrile	3.15	53	218952	228.55	ug/l	100
16) Acetone	2.45	43	184376	212.21	ug/l	91
17) Carbon Disulfide	2.57	76	121574	32.85	ug/l	99
18) Methyl Acetate	2.78	43	113756	48.82	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	198307	46.83	ug/l	98
20) Methylene Chloride	2.86	84	61182	42.87	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	55449	42.37	ug/l	96
22) Diisopropyl ether	3.87	45	214124	44.11	ug/l	# 97
23) Vinyl Acetate	3.82	43	847699	203.68	ug/l	98
24) 1,1-Dichloroethane	3.70	63	112573	43.47	ug/l	99
25) 2-Butanone	4.70	43	302879	221.73	ug/l	100
26) 2,2-Dichloropropane	4.59	77	75271	39.62	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	68115	47.14	ug/l	92
28) Bromochloromethane	5.01	49	57832	49.97	ug/l	95
29) Tetrahydrofuran	5.15	42	197917	225.66	ug/l	97
30) Chloroform	5.21	83	109494	43.82	ug/l	99
31) Cyclohexane	5.57	56	89308	39.73	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	87013	41.75	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79848	40.24	ug/l	98
37) Ethyl Acetate	4.86	43	106125	40.67	ug/l	99
38) Carbon Tetrachloride	5.78	117	71106	35.79	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006103.D
 Acq On : 19 Nov 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:55 AM

Quant Time: Nov 20 01:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74621	37.10	ug/l	96
40) Benzene	6.15	78	234067	40.46	ug/l	98
41) Methacrylonitrile	5.06	41	61481	43.60	ug/l	97
42) 1,2-Dichloroethane	6.20	62	82318	39.73	ug/l	97
43) Isopropyl Acetate	6.46	43	156520	41.40	ug/l	96
44) Trichloroethene	7.21	130	65925	44.88	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57349	40.85	ug/l	99
46) Dibromomethane	7.66	93	35908	40.76	ug/l	97
47) Bromodichloromethane	7.90	83	67593	40.59	ug/l	99
48) Methyl methacrylate	7.77	41	70426	41.48	ug/l	97
49) 1,4-Dioxane	7.75	88	30184	825.05	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	493948	207.28	ug/l	97
52) Toluene	8.79	92	128193	39.65	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	75036	38.19	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	82175	41.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	54813	38.04	ug/l	97
56) Ethyl methacrylate	9.18	69	83211	38.60	ug/l	96
57) 1,3-Dichloropropane	9.37	76	91774	37.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	243686	208.84	ug/l	99
59) 2-Hexanone	9.50	43	388636	185.02	ug/l	97
60) Dibromochloromethane	9.59	129	54209	34.81	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56750	35.62	ug/l	99
64) Tetrachloroethene	9.34	164	56503	41.57	ug/l	98
65) Chlorobenzene	10.14	112	148097	46.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	51858	46.64	ug/l	99
67) Ethyl Benzene	10.25	91	251381	49.02	ug/l	99
68) m/p-Xylenes	10.36	106	193903	99.12	ug/l	99
69) o-Xylene	10.70	106	94233	53.72	ug/l	100
70) Styrene	10.71	104	160443	55.45	ug/l	99
71) Bromoform	10.86	173	45259	48.56	ug/l #	99
73) Isopropylbenzene	11.02	105	260956	49.99	ug/l	99
74) N-amyl acetate	10.90	43	120561	41.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91020	47.50	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	87478m	47.59	ug/l	
77) Bromobenzene	11.26	156	69217	47.04	ug/l	99
78) n-propylbenzene	11.36	91	300481	48.84	ug/l	99
79) 2-Chlorotoluene	11.42	91	177870	47.83	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	220599	49.73	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	26520	45.98	ug/l	96
82) 4-Chlorotoluene	11.51	91	210166	47.95	ug/l	99
83) tert-Butylbenzene	11.77	119	219380	48.88	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	230398	47.05	ug/l	100
85) sec-Butylbenzene	11.94	105	266861	48.62	ug/l	99
86) p-Isopropyltoluene	12.07	119	242545	49.89	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129988	46.03	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132401	45.80	ug/l	100
89) n-Butylbenzene	12.39	91	216316	48.01	ug/l	100
90) Hexachloroethane	12.60	117	34870	42.96	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	130749	46.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21476	45.93	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
Data File : VX006103.D
Acq On : 19 Nov 2018 20:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

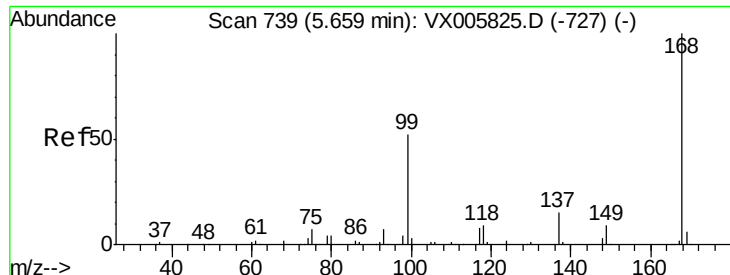
Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM

Quant Time: Nov 20 01:19:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101583	51.01	ug/l	99
94) Hexachlorobutadiene	13.79	225	47578	45.48	ug/l	98
95) Naphthalene	13.83	128	316289	48.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103278	50.90	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 140367

Ion Ratio Lower Upper

168 100

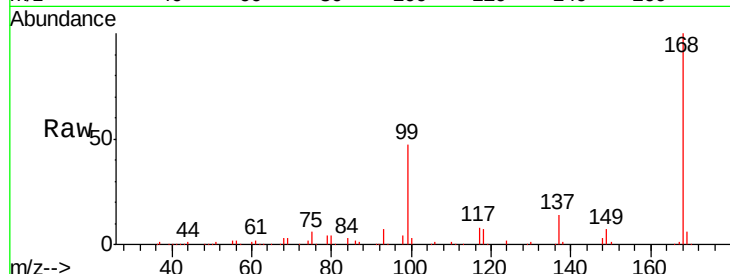
99 46.6 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

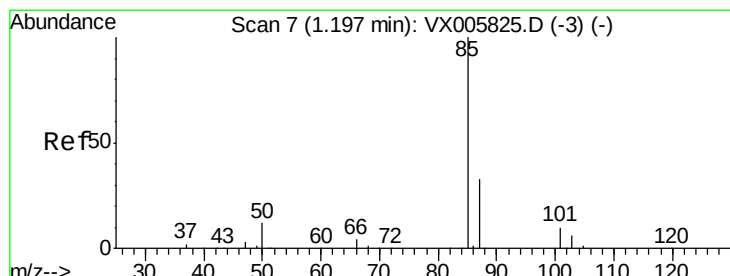
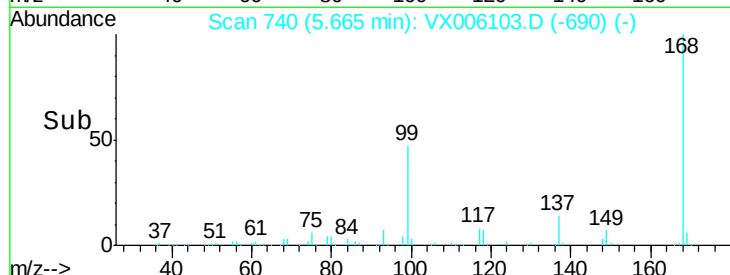
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 35.48 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006103.D

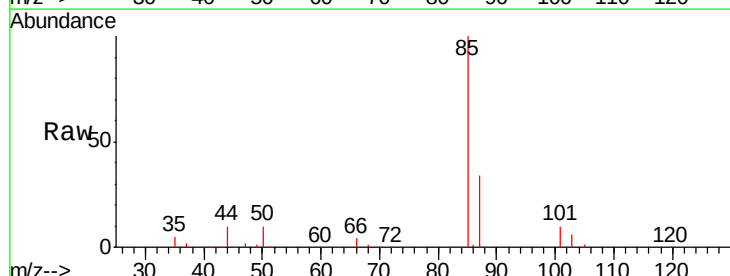
Acq: 19 Nov 2018 20:33

Tgt Ion: 85 Resp: 44901

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

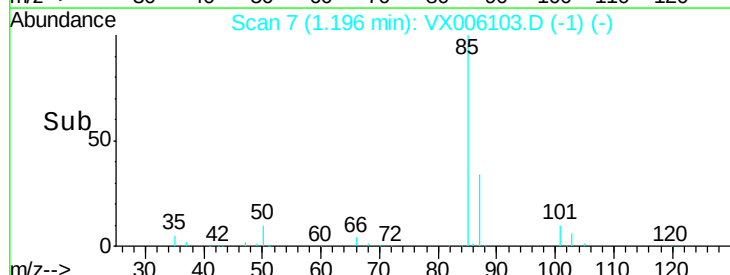
30000

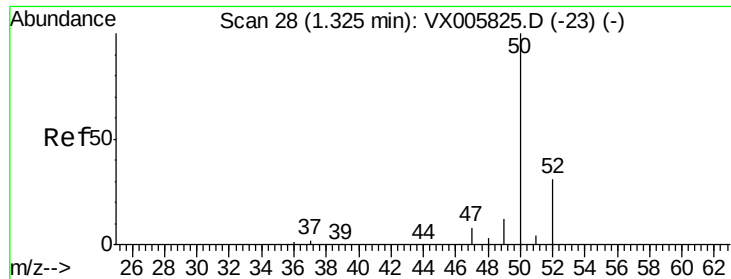
20000

10000

0

Time-->





#3

Chloromethane

Concen: 36.27 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 60235

Ion Ratio Lower Upper

50 100

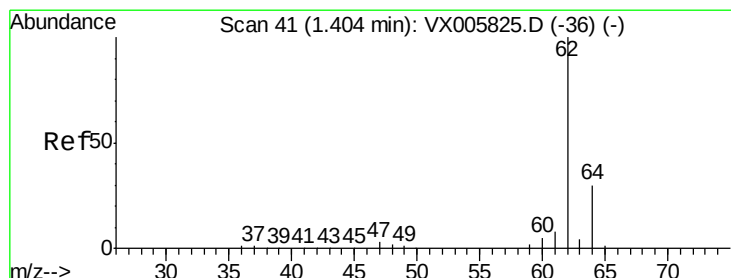
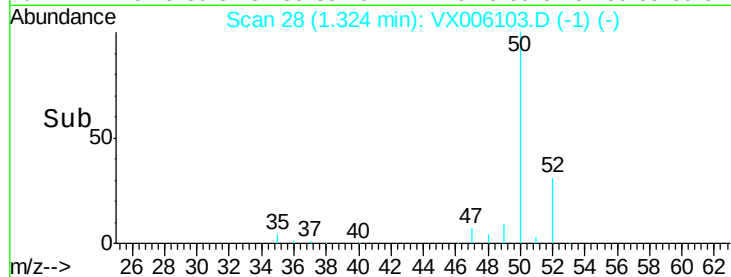
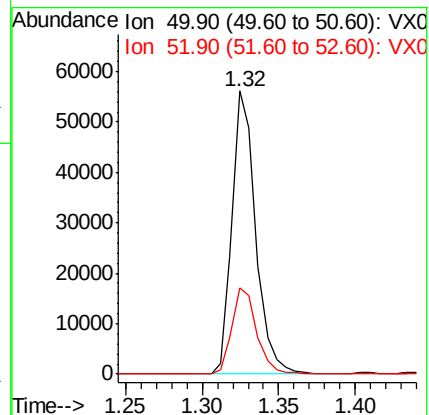
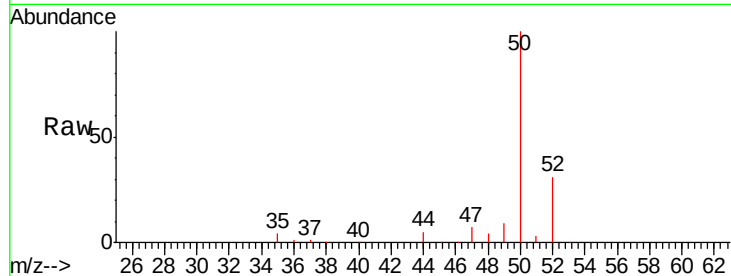
52 30.6 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#4

Vinyl Chloride

Concen: 35.00 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006103.D

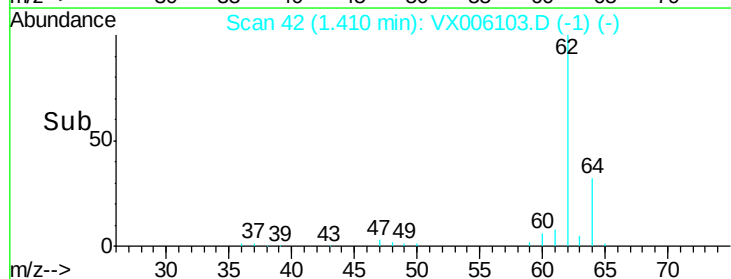
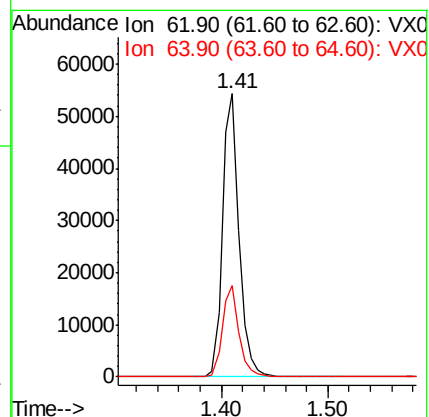
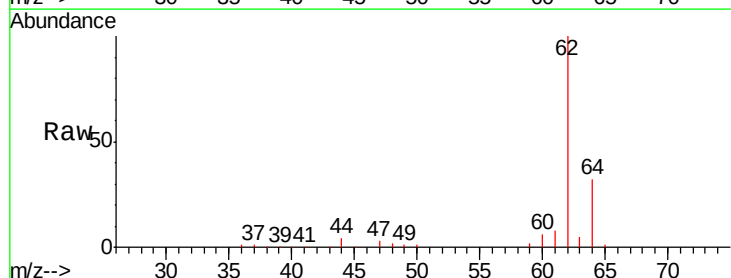
Acq: 19 Nov 2018 20:33

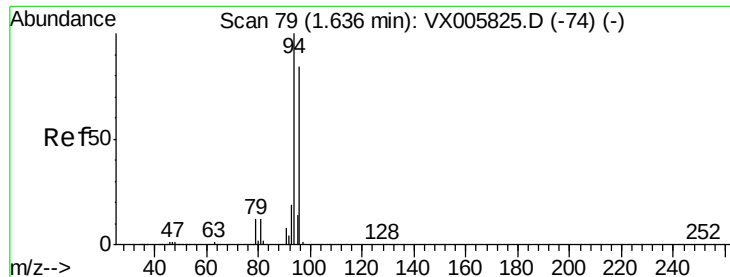
Tgt Ion: 62 Resp: 58364

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 40.37 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 41191

Ion Ratio Lower Upper

94 100

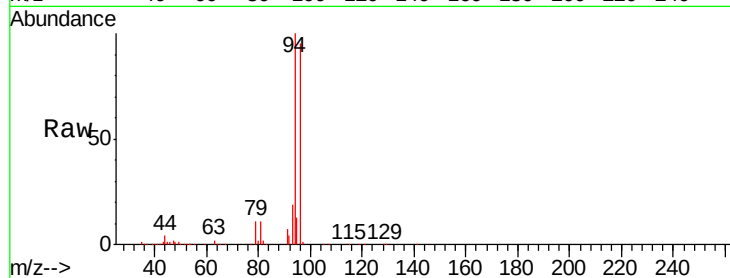
96 94.8 75.2 112.8

Manual Integrations

APPROVED

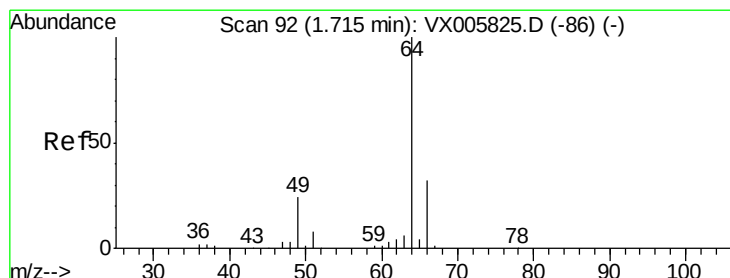
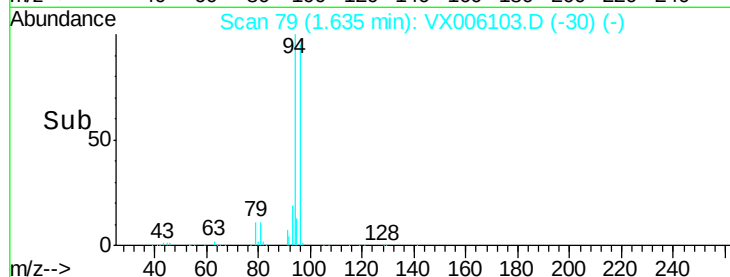
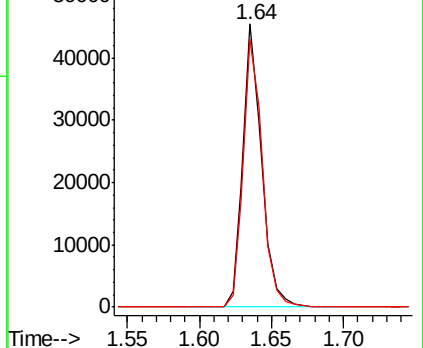
MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.12 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006103.D

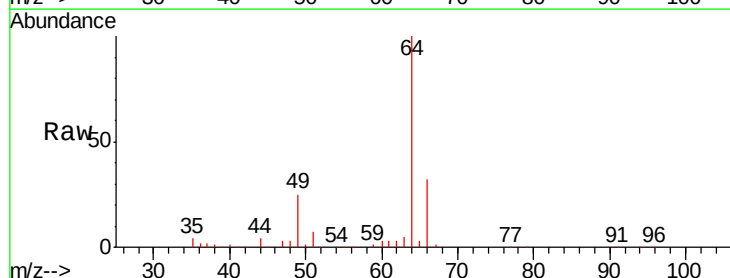
Acq: 19 Nov 2018 20:33

Tgt Ion: 64 Resp: 42903

Ion Ratio Lower Upper

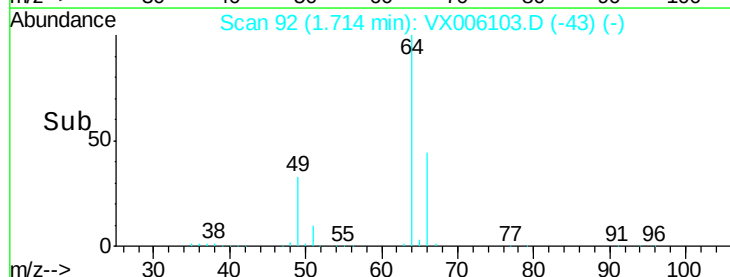
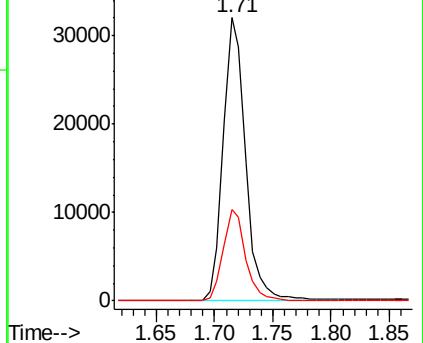
64 100

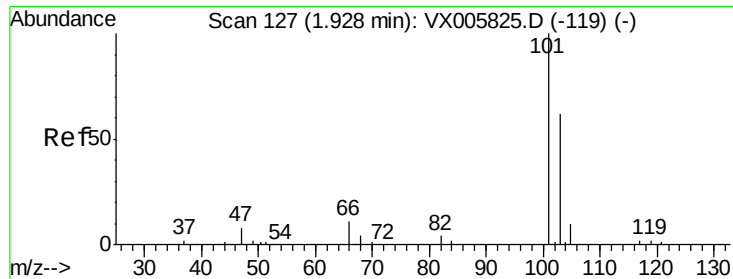
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

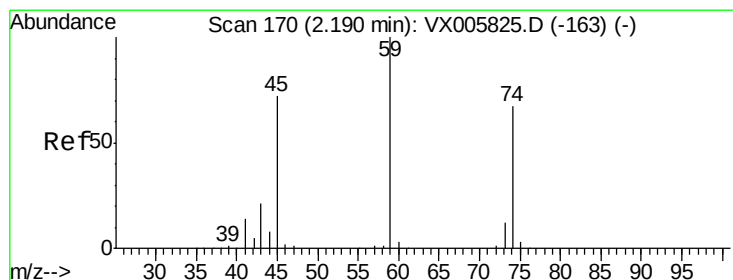
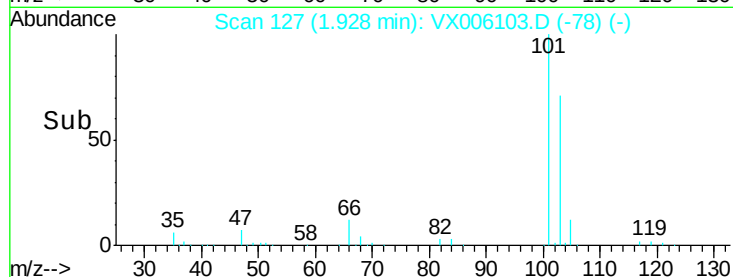
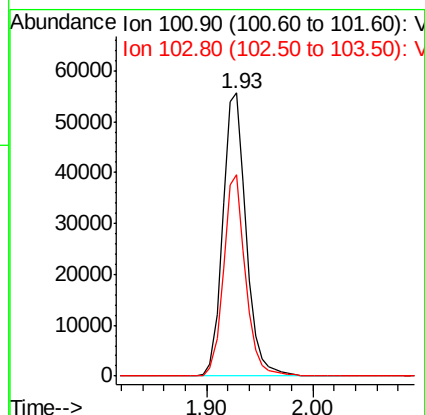
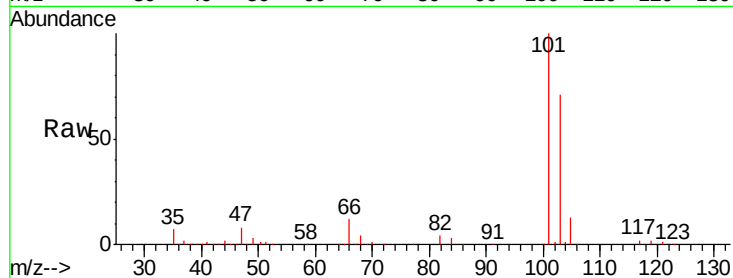
Trichlorofluoromethane
Concen: 38.40 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 84993
Ion Ratio Lower Upper
101 100
103 71.0 50.0 75.0

Manual Integrations
APPROVED

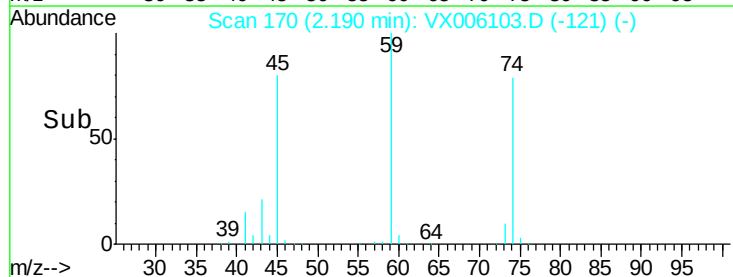
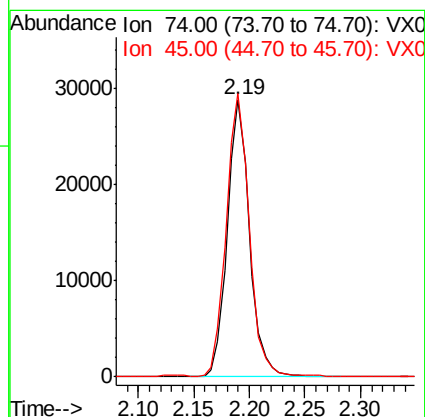
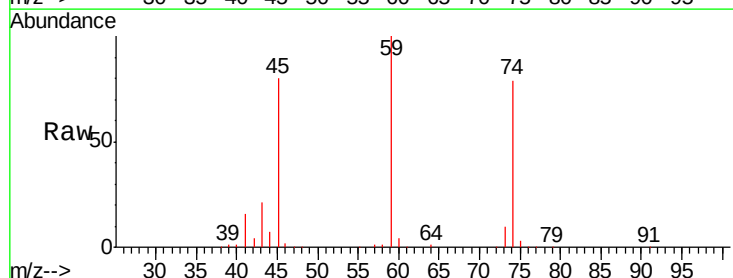
MMDadoda
11/20/2018 9:59:55 AM

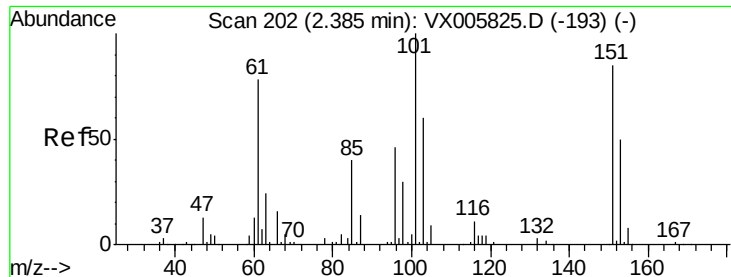


#8

Diethyl Ether
Concen: 46.04 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 74 Resp: 39924
Ion Ratio Lower Upper
74 100
45 106.7 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.92 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

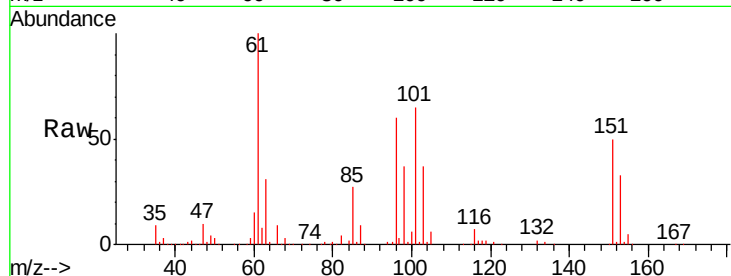
ClientSampleId :

VSTDCCC050EC

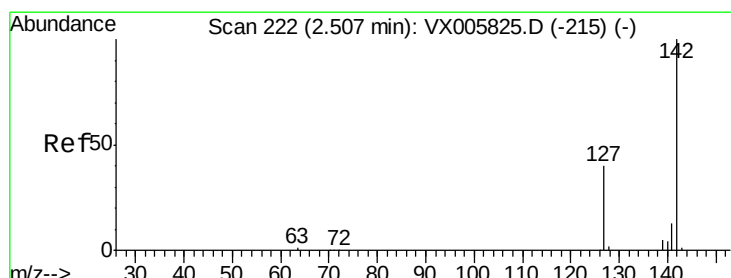
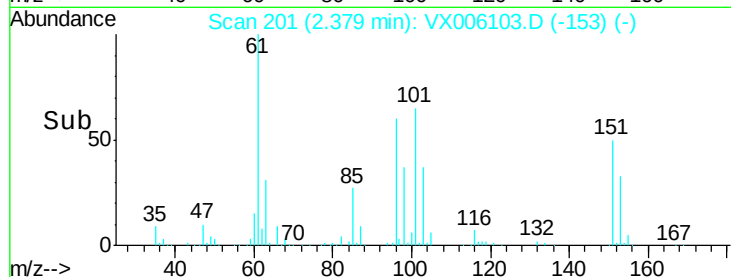
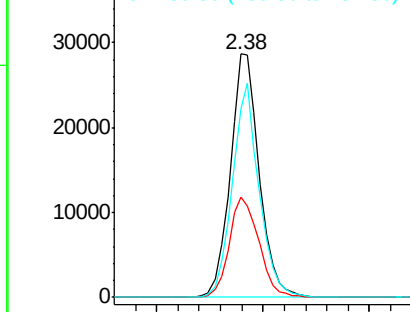
Tgt Ion:	101	Resp:	54636
Ion Ratio	Lower	Upper	
101	100		
85	42.3	35.0	52.4
151	81.5	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



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: 46.11 ug/l

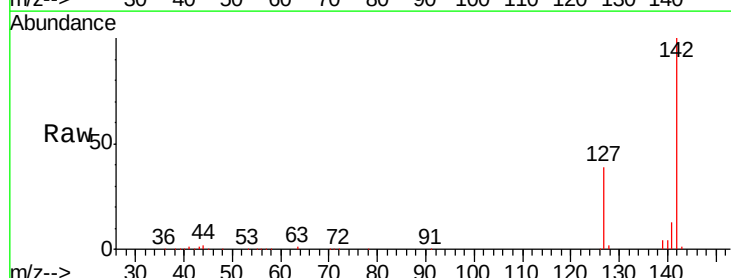
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

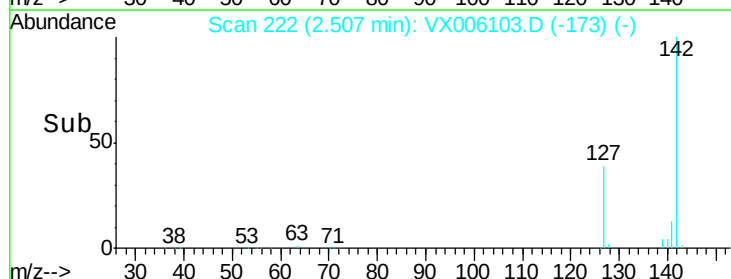
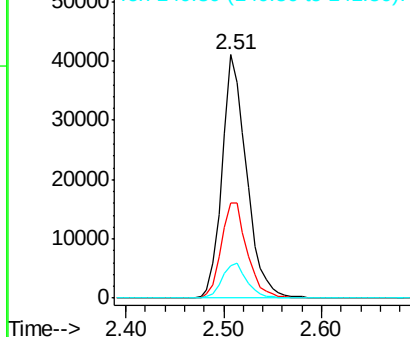
Lab File: VX006103.D

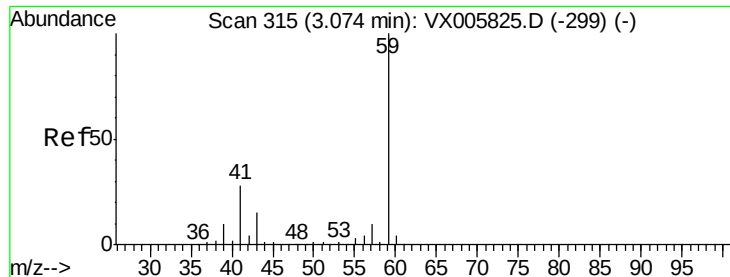
Acq: 19 Nov 2018 20:33

Tgt Ion:	142	Resp:	71140
Ion Ratio	Lower	Upper	
142	100		
127	41.4	36.0	54.0
141	14.6	11.7	17.5



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





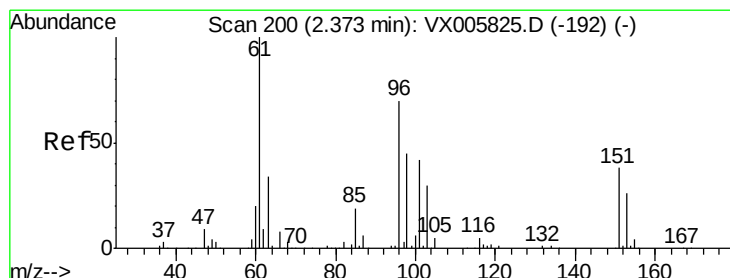
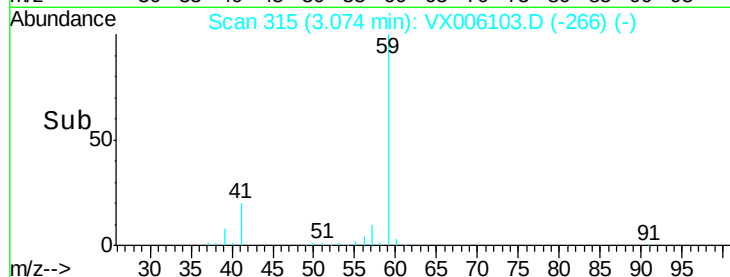
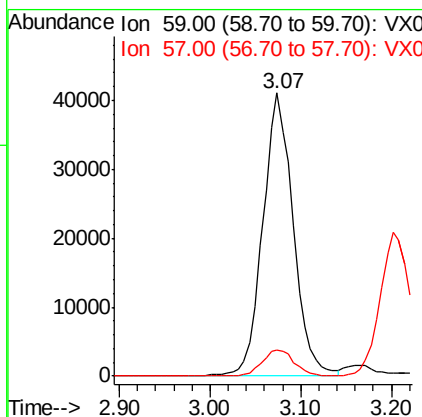
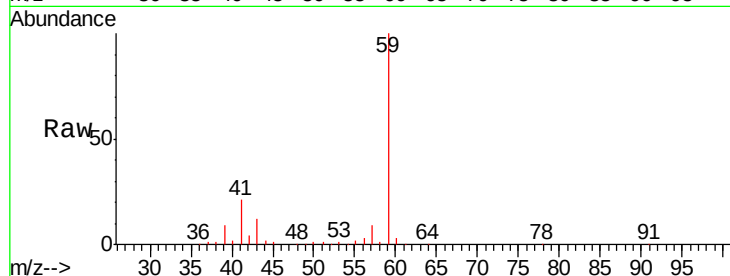
#11
Tert butyl alcohol
Concen: 206.81 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

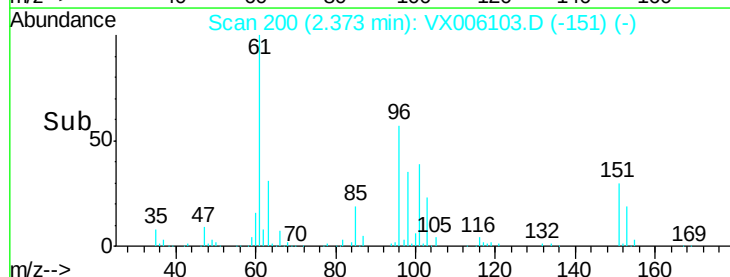
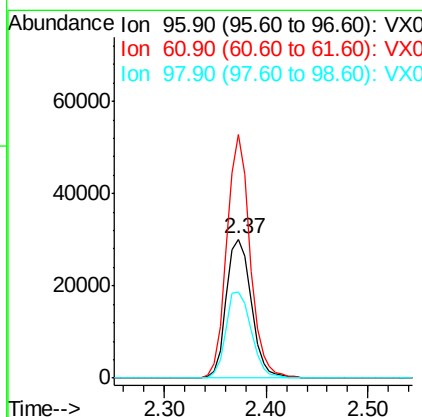
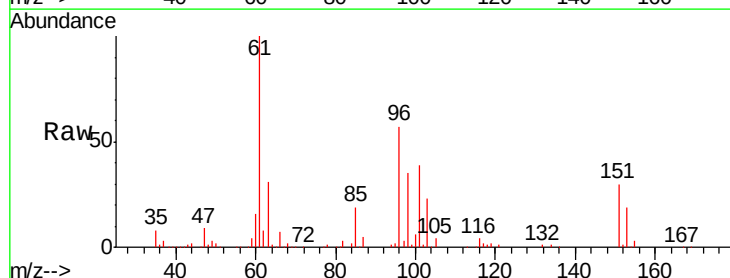
Manual Integrations
APPROVED

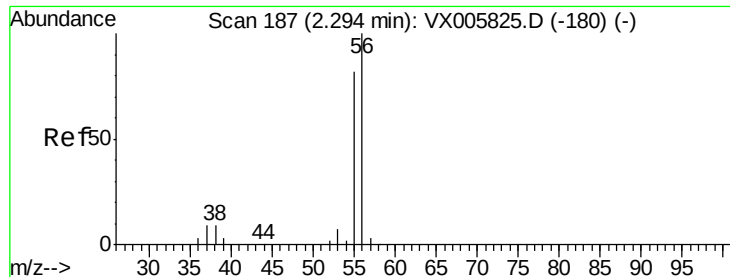
MMDadoda
11/20/2018 9:59:55 AM



#12
1,1-Dichloroethene
Concen: 41.33 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	131.8	197.8
98	62.1	53.4	80.2





#13

Acrolein

Concen: 208.31 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 45153

Ion Ratio Lower Upper

56 100

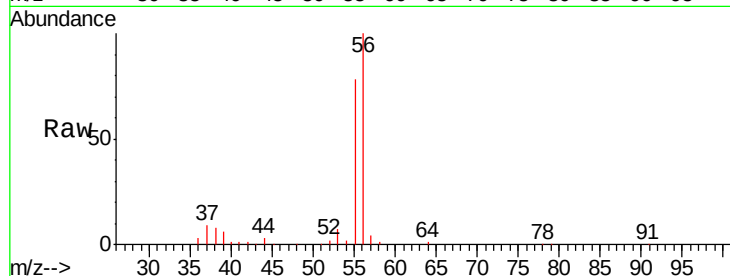
55 74.1 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



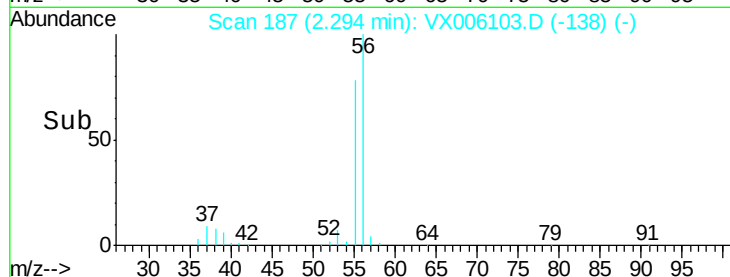
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

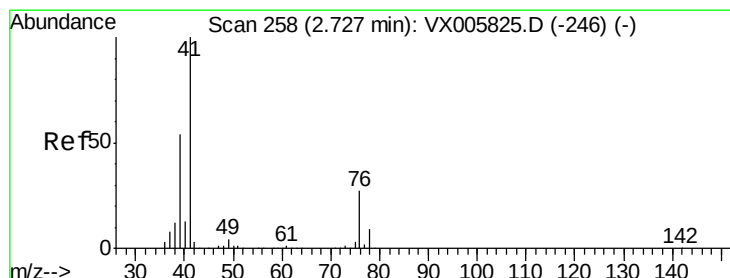
2.29

2.30

2.40



Time-->



#14

Allyl chloride

Concen: 40.32 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

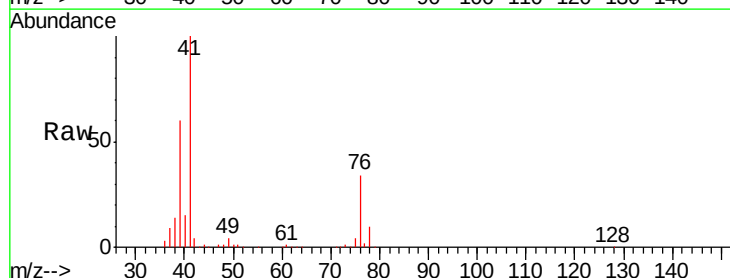
Tgt Ion: 41 Resp: 111716

Ion Ratio Lower Upper

41 100

39 58.0 48.2 72.4

76 30.0 21.9 32.9



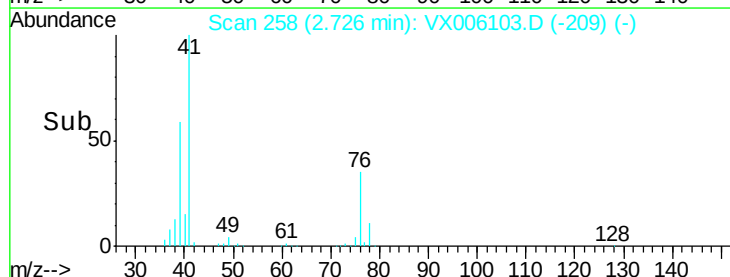
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

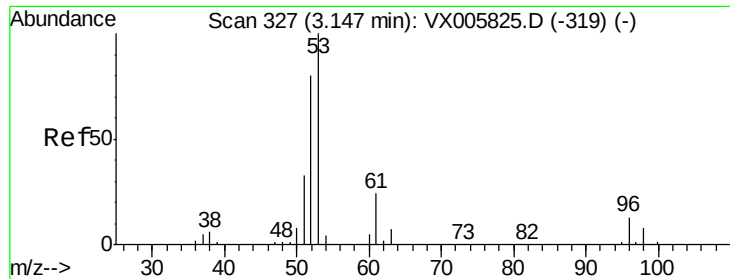
Ion 75.90 (75.60 to 76.60): VX0

2.73

2.80



Time-->



#15

Acrylonitrile

Concen: 228.55 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

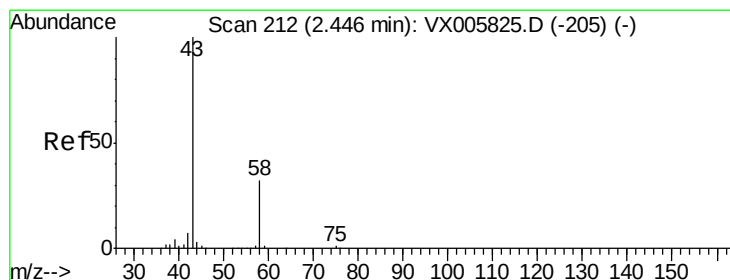
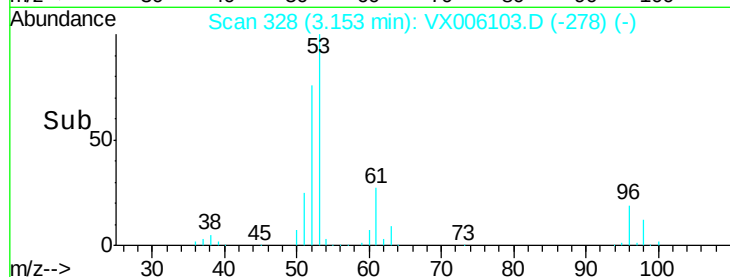
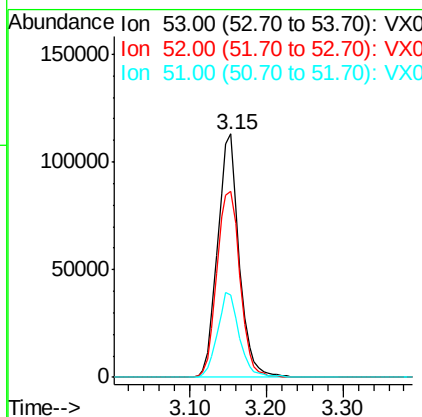
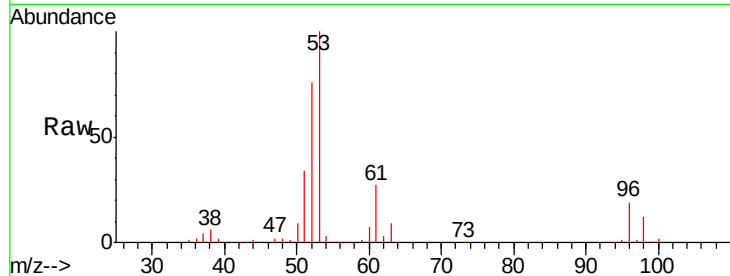
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	218952
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	35.2	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#16

Acetone

Concen: 212.21 ug/l

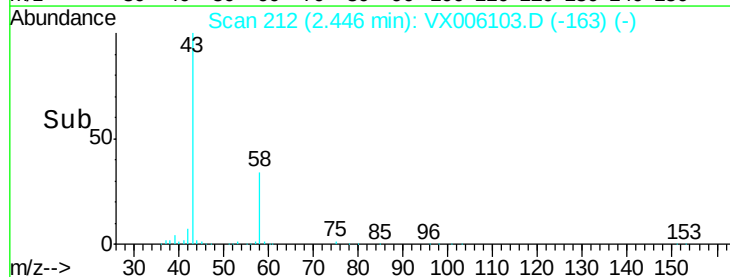
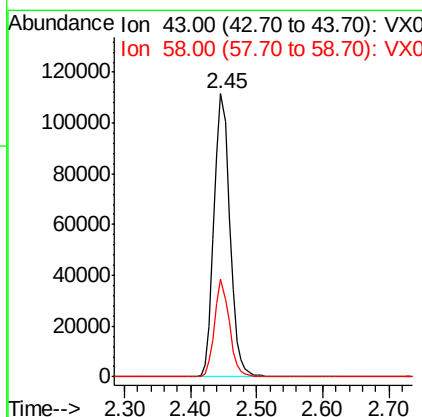
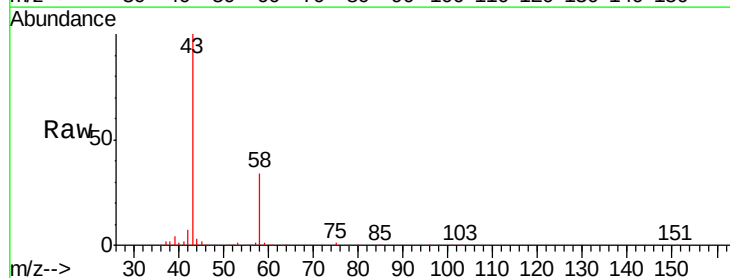
RT: 2.45 min Scan# 212

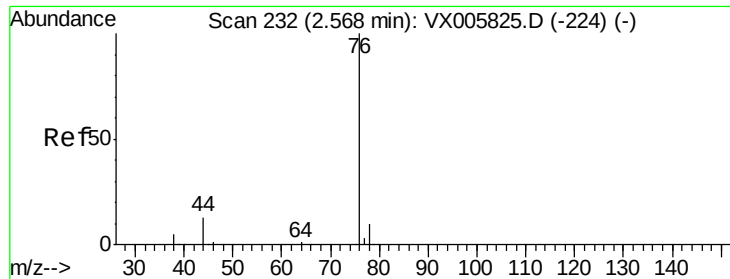
Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	43	Resp:	184376
Ion	Ratio	Lower	Upper
43	100		
58	34.5	23.8	35.6





#17

Carbon Disulfide

Concen: 32.85 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 121574

Ion Ratio Lower Upper

76 100

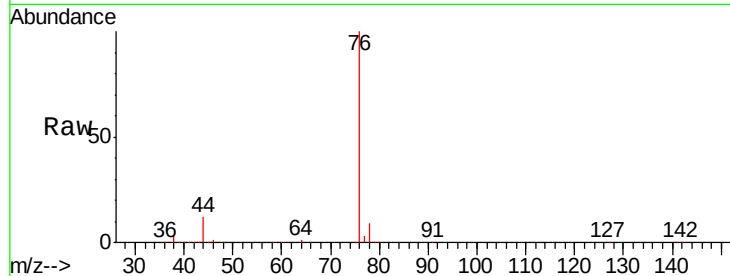
78 8.7 7.3 10.9

Manual Integrations

APPROVED

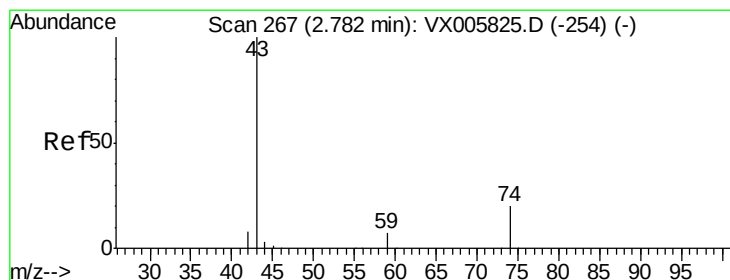
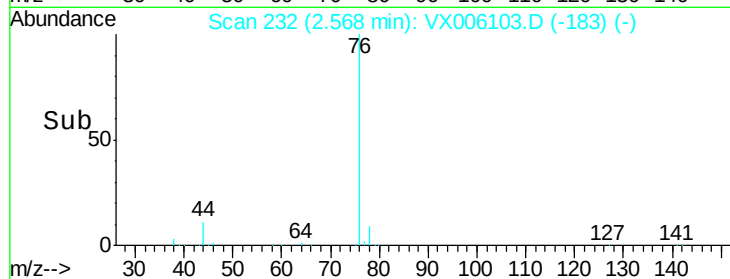
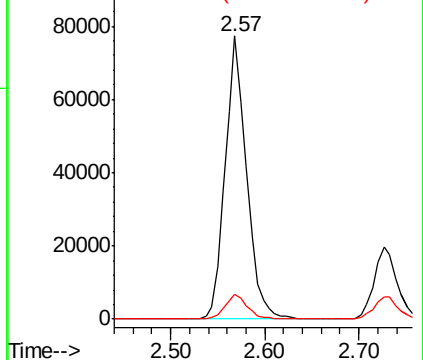
MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.82 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006103.D

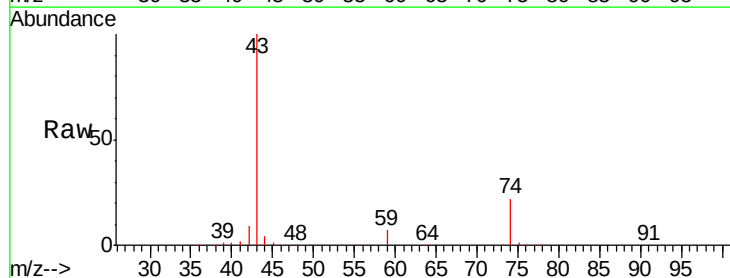
Acq: 19 Nov 2018 20:33

Tgt Ion: 43 Resp: 113756

Ion Ratio Lower Upper

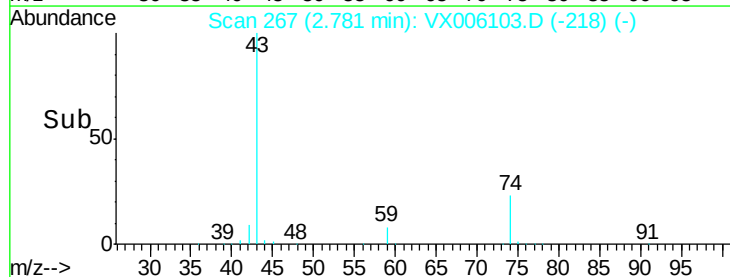
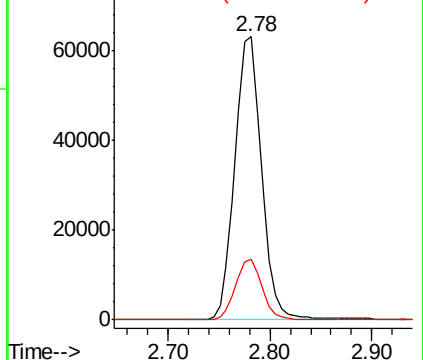
43 100

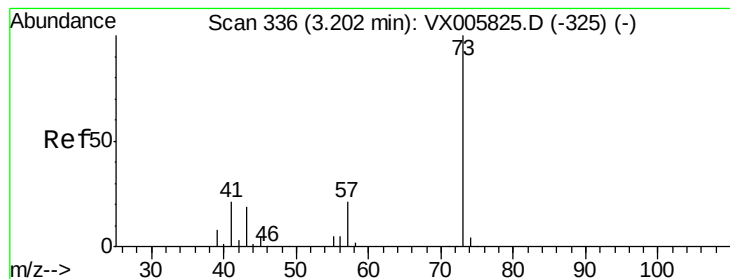
74 21.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

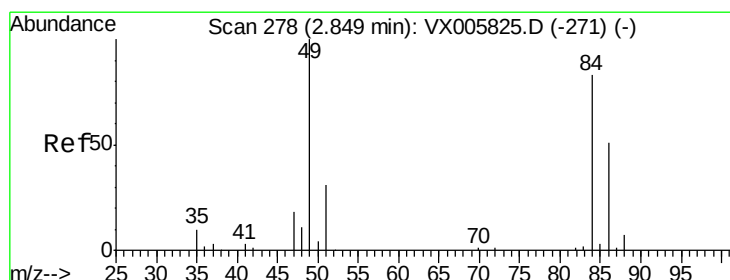
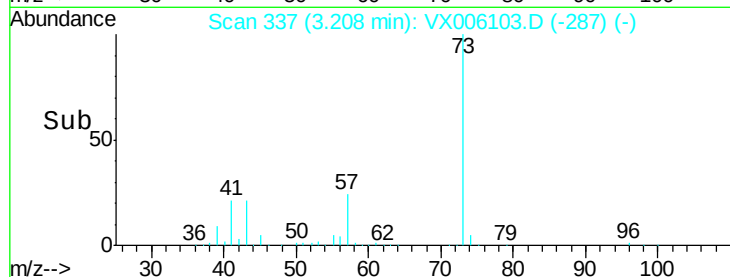
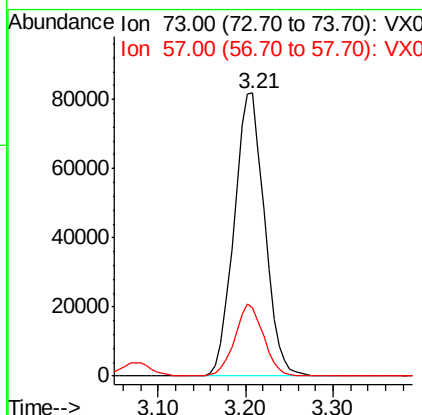
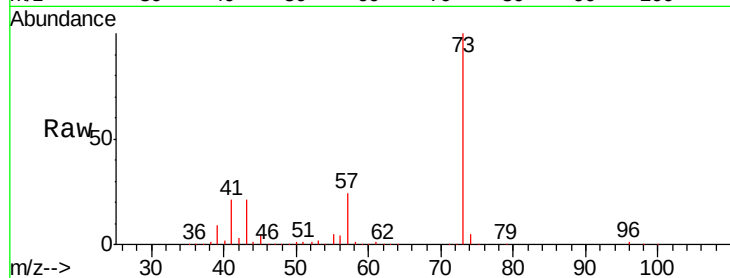
Methyl tert-butyl Ether
Concen: 46.83 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 198307
Ion Ratio Lower Upper
73 100
57 24.2 18.8 28.2

Manual Integrations
APPROVED

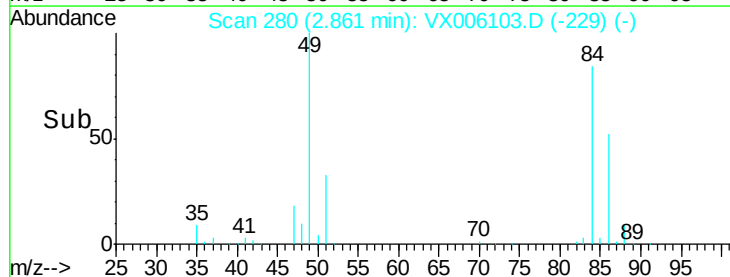
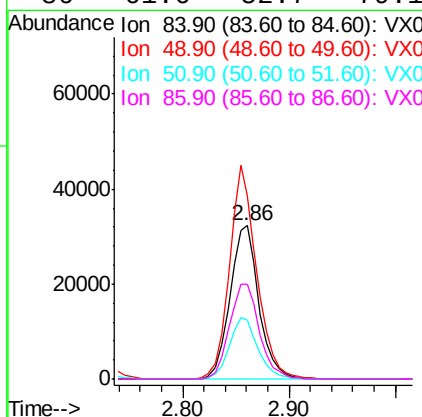
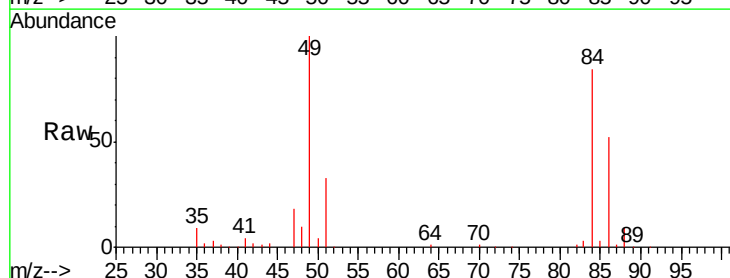
MMDadoda
11/20/2018 9:59:55 AM

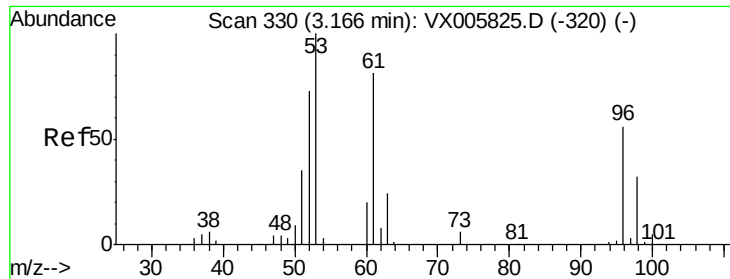


#20

Methylene Chloride
Concen: 42.87 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 84 Resp: 61182
Ion Ratio Lower Upper
84 100
49 119.1 109.5 164.3
51 38.9 33.3 49.9
86 61.6 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 42.37 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

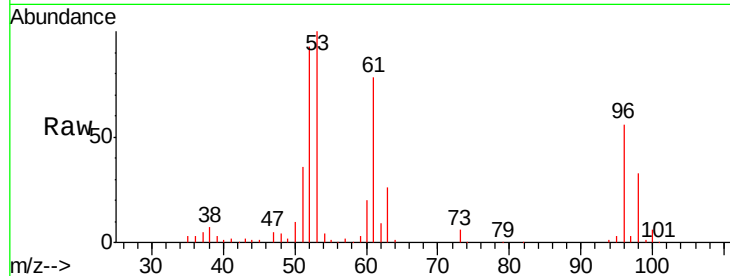
ClientSampleId :

VSTDCCC050EC

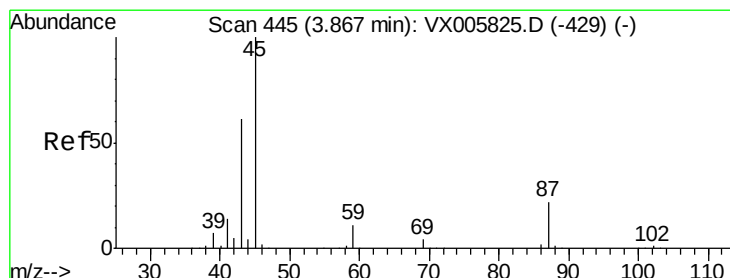
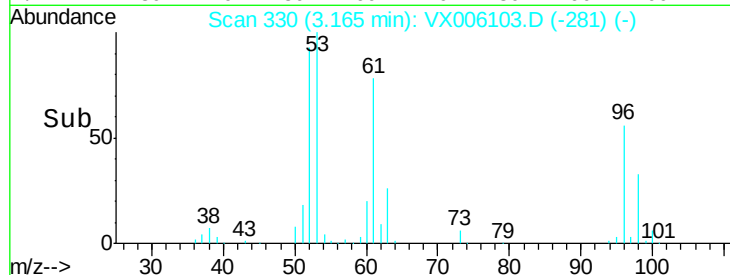
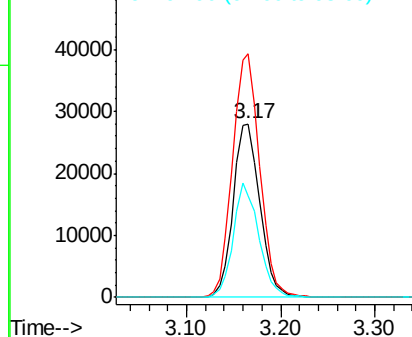
Tgt Ion:	96	Resp:	55449
Ion	Ratio	Lower	Upper
96	100		
61	140.1	115.6	173.4
98	58.7	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 44.11 ug/l

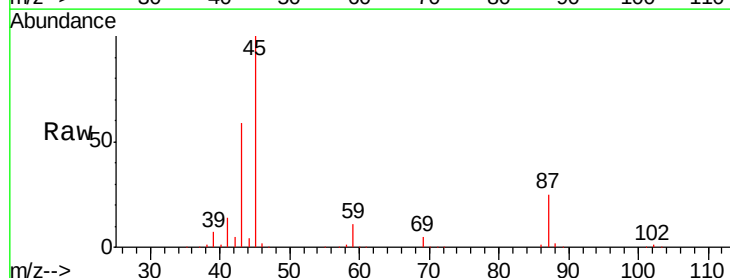
RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

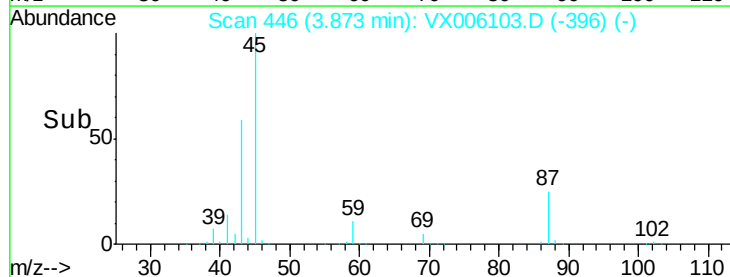
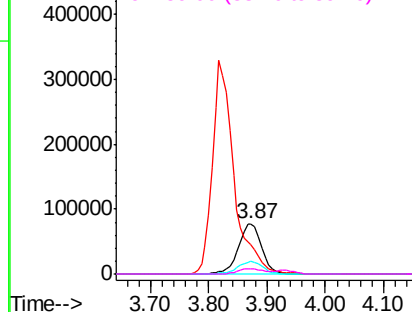
Lab File: VX006103.D

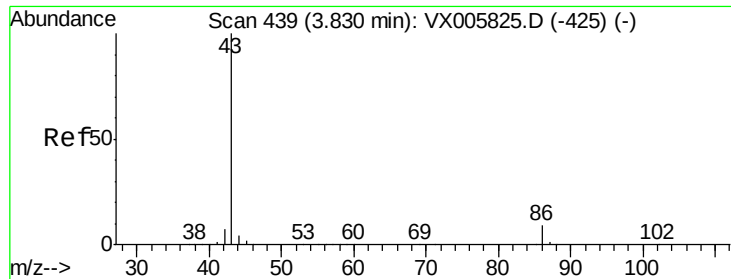
Acq: 19 Nov 2018 20:33

Tgt Ion:	45	Resp:	214124
Ion	Ratio	Lower	Upper
45	100		
43	59.0	47.4	71.2
87	25.0	15.9	23.9#
59	10.9	7.7	11.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 203.68 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 847699

Ion Ratio Lower Upper

43 100

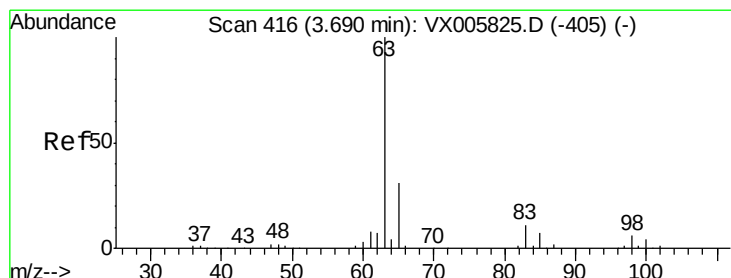
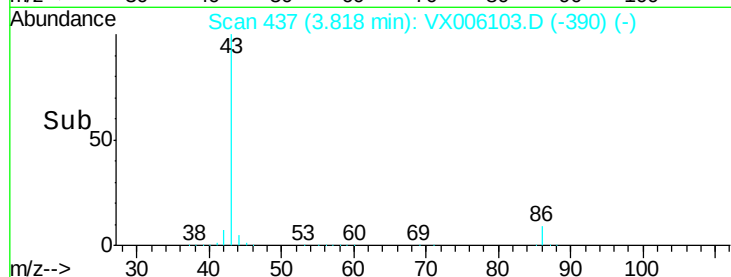
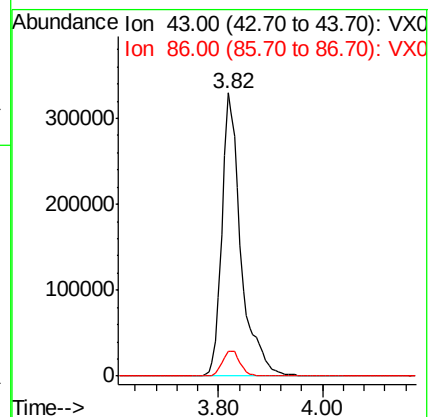
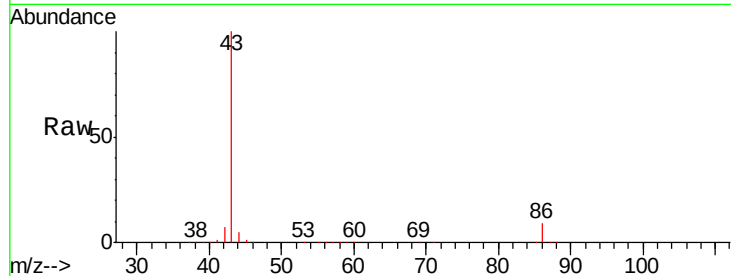
86 8.6 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#24

1,1-Dichloroethane

Concen: 43.47 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

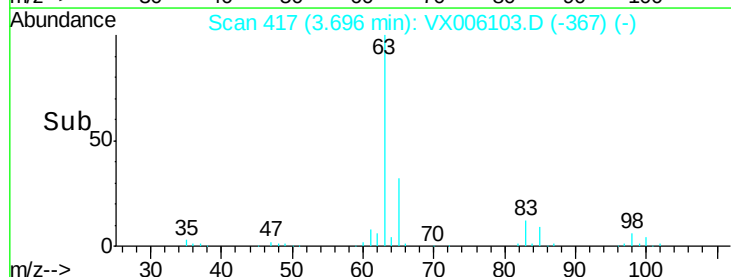
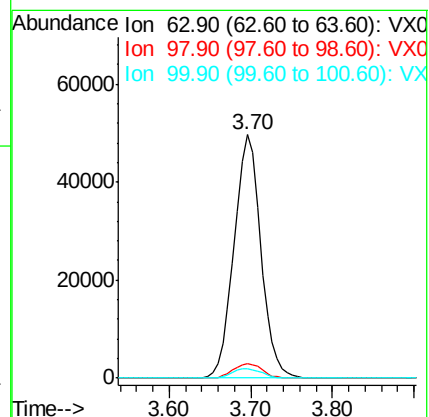
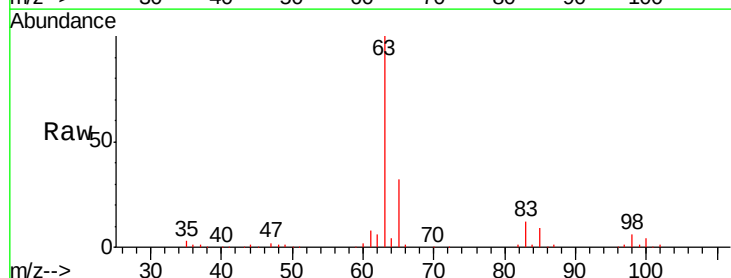
Tgt Ion: 63 Resp: 112573

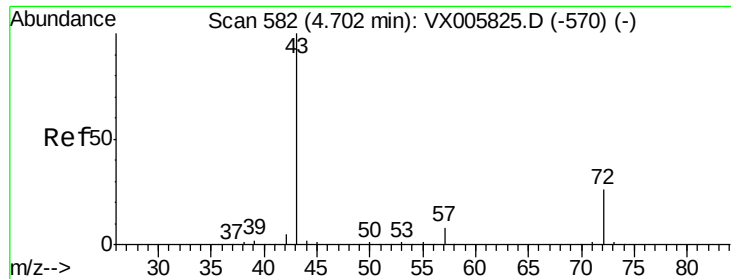
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 221.73 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 302879

Ion Ratio Lower Upper

43 100

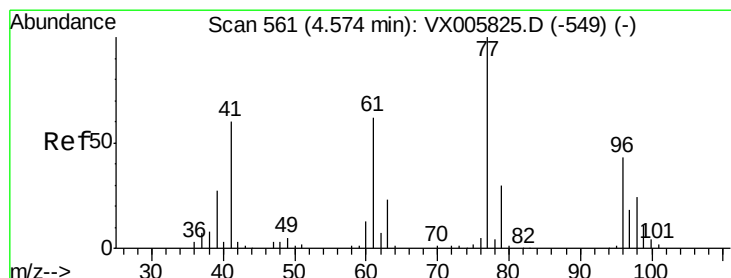
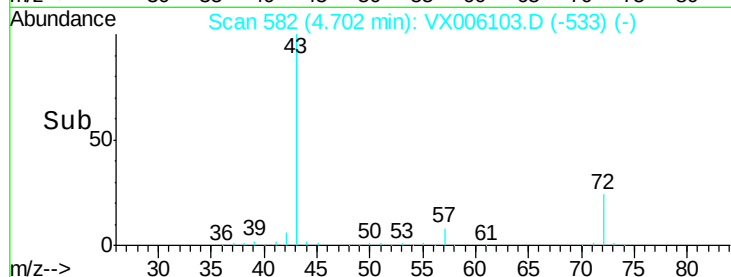
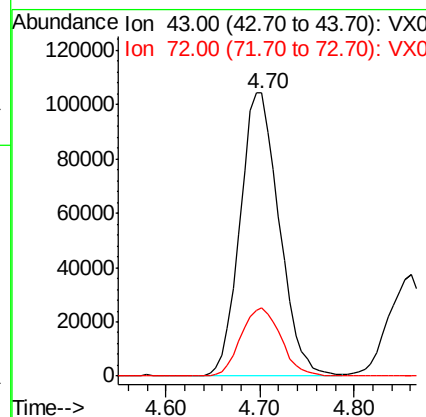
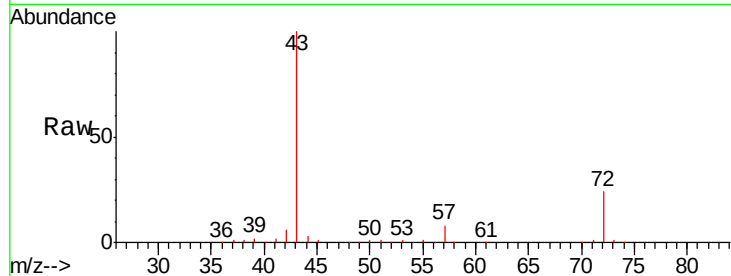
72 24.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#26

2,2-Dichloropropane

Concen: 39.62 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006103.D

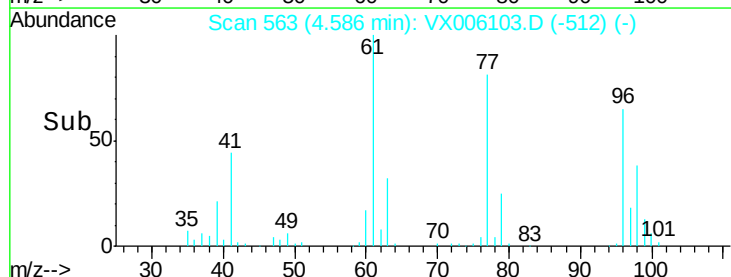
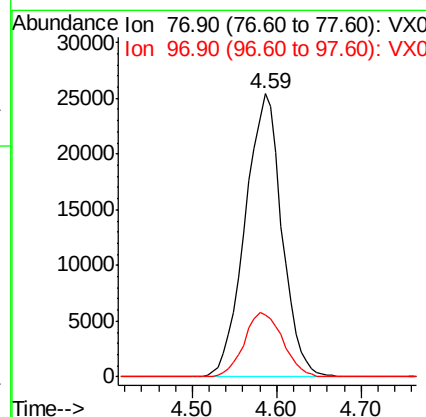
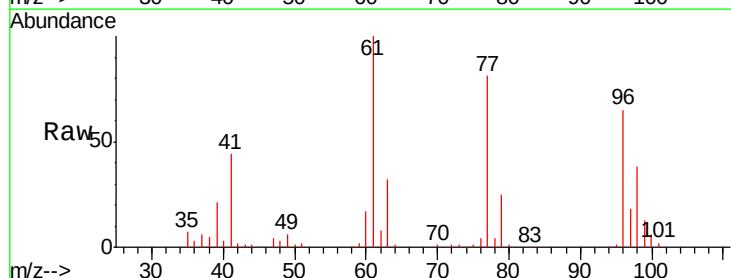
Acq: 19 Nov 2018 20:33

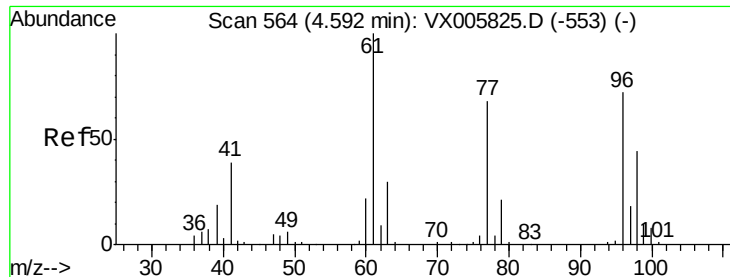
Tgt Ion: 77 Resp: 75271

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 47.14 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

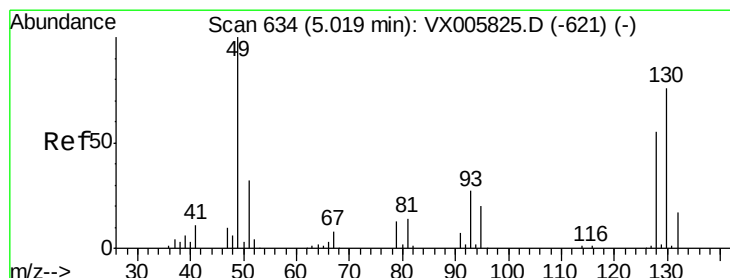
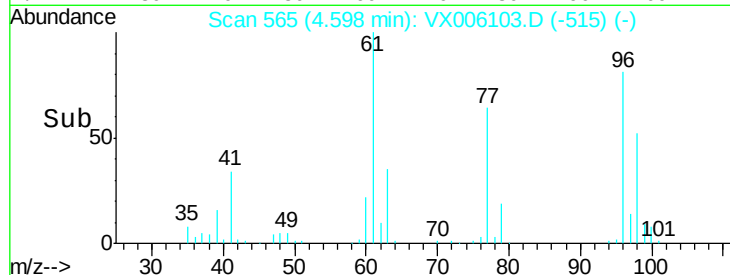
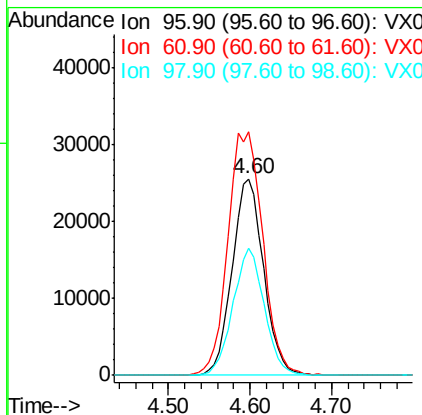
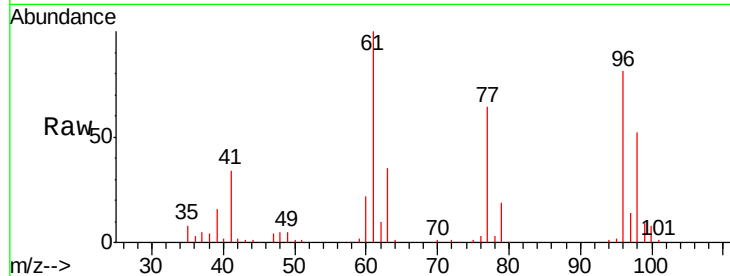
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	68115
Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	304.6
98	64.6	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#28

Bromochloromethane

Concen: 49.97 ug/l

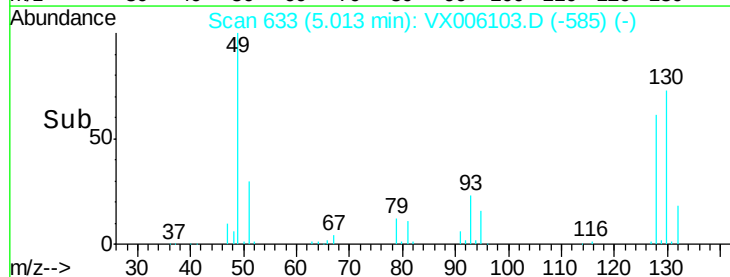
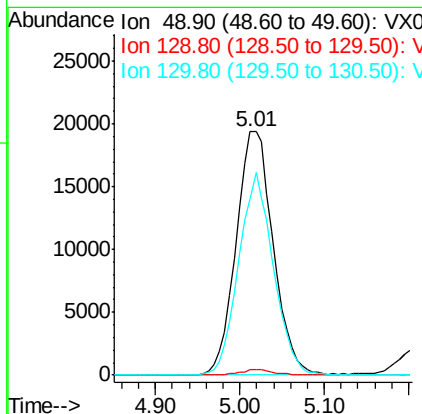
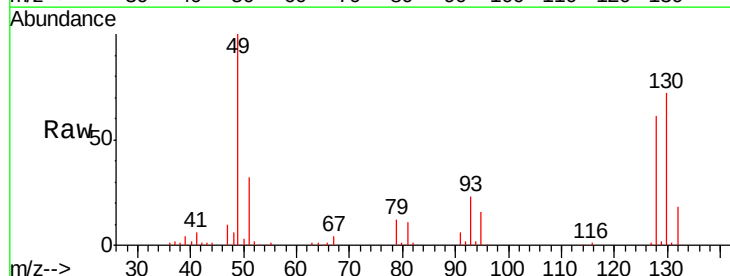
RT: 5.01 min Scan# 633

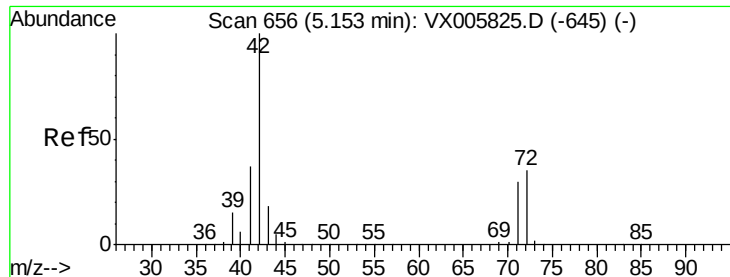
Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	49	Resp:	57832
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	77.5	58.9	88.3





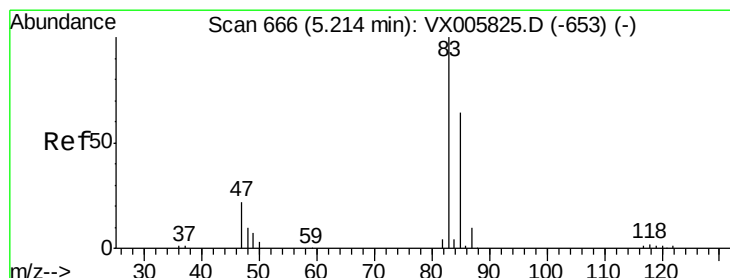
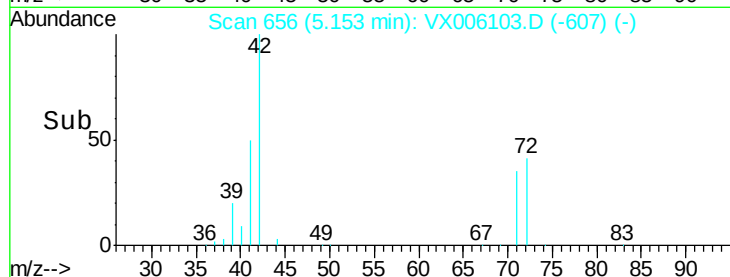
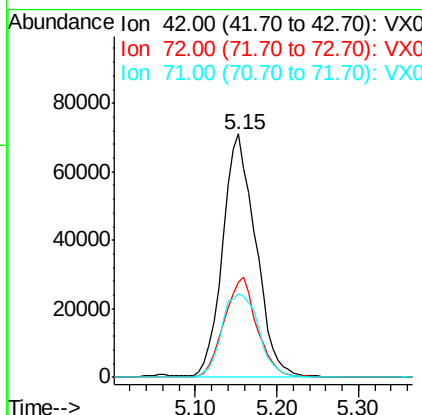
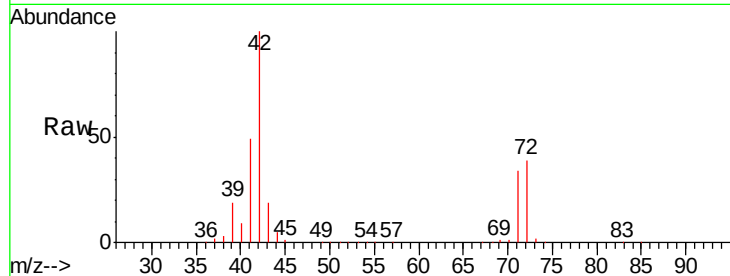
#29
Tetrahydrofuran
Concen: 225.66 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.0	48.0
71	38.9	29.8	44.8

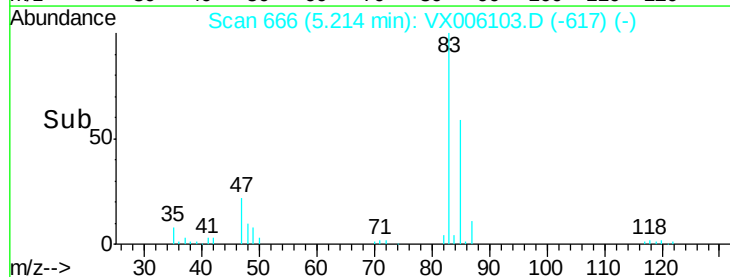
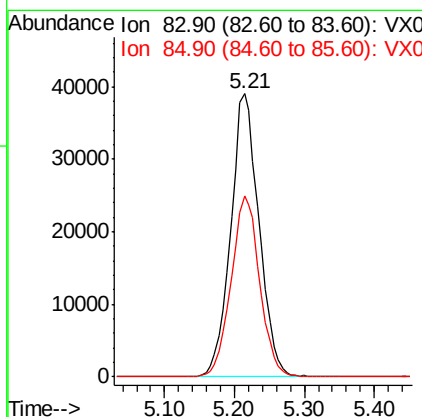
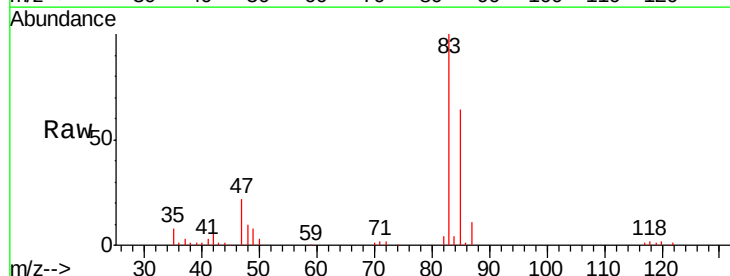
Manual Integrations
APPROVED

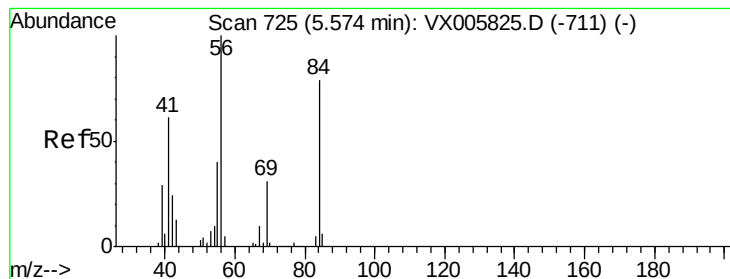
MMDadoda
11/20/2018 9:59:55 AM



#30
Chloroform
Concen: 43.82 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





#31

Cyclohexane

Concen: 39.73 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

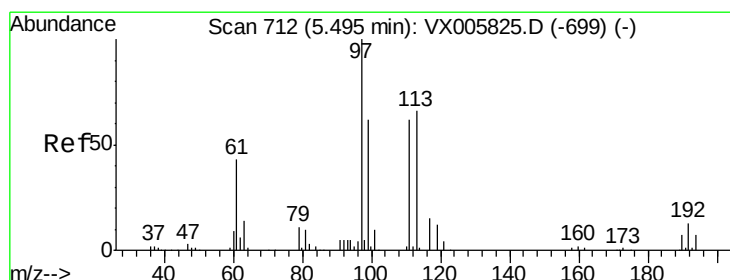
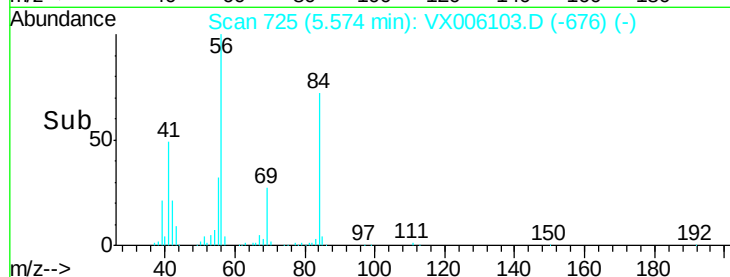
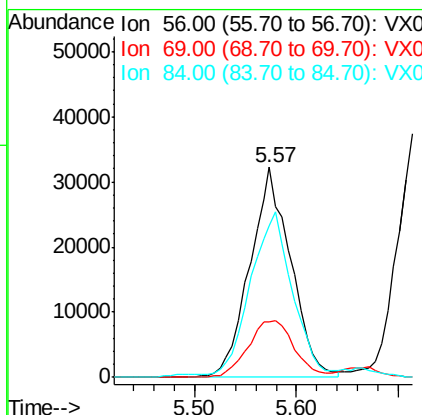
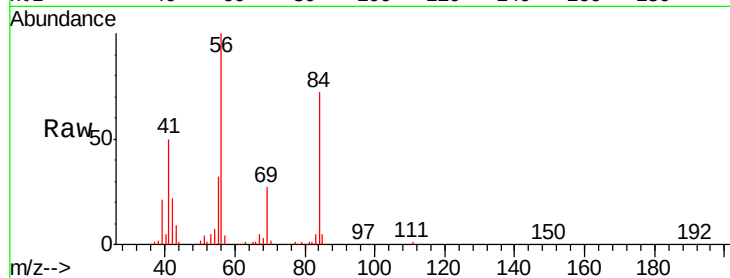
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	89308
Ion	Ratio	Lower	Upper
56	100		
69	26.5	22.6	34.0
84	70.6	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#32

1,1,1-Trichloroethane

Concen: 41.75 ug/l

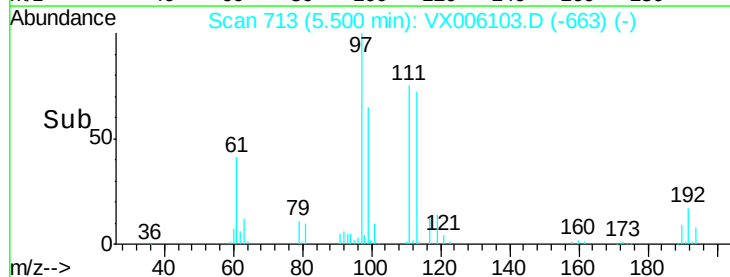
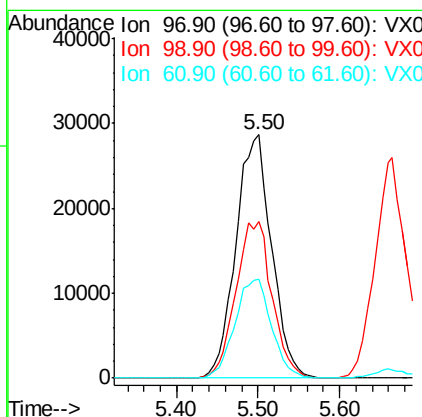
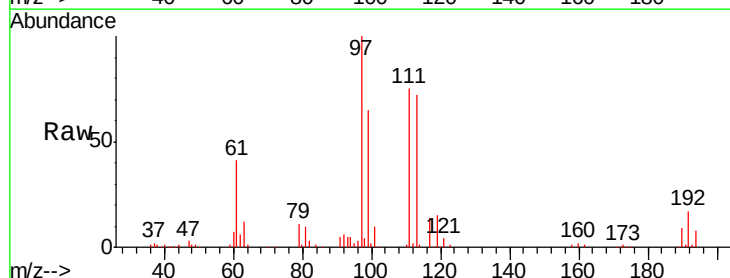
RT: 5.50 min Scan# 713

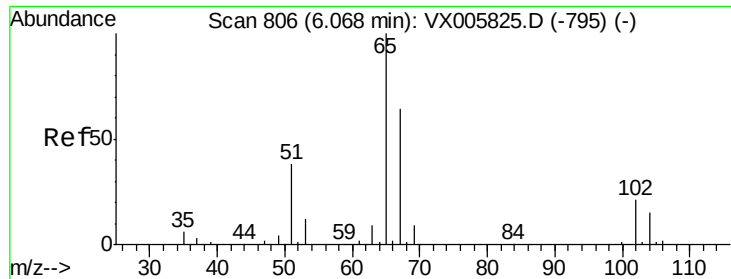
Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	97	Resp:	87013
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	41.8	35.2	52.8





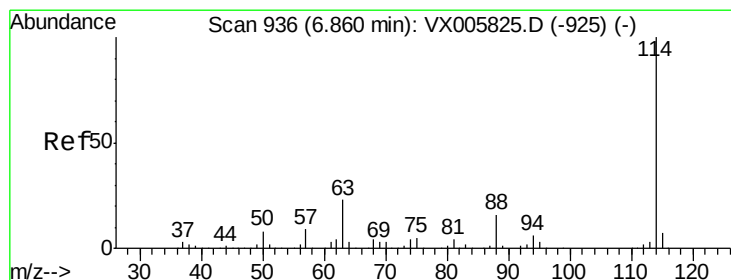
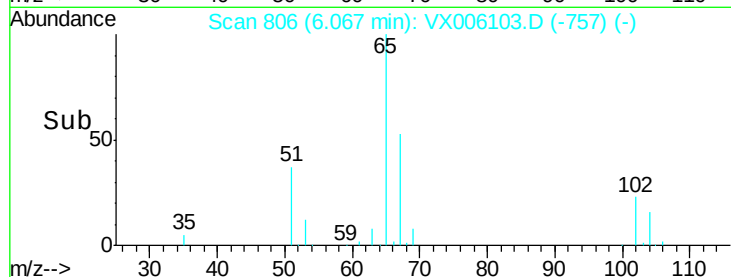
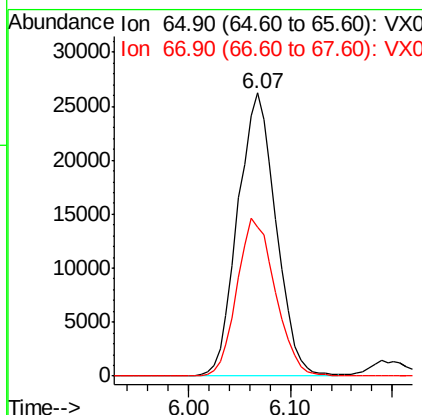
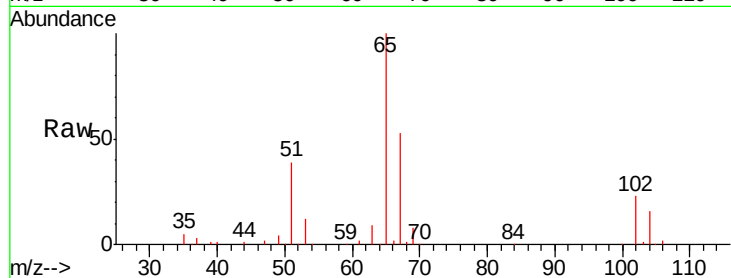
#33
 1,2-Dichloroethane-d4
 Concen: 42.37 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 68379
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 105.0

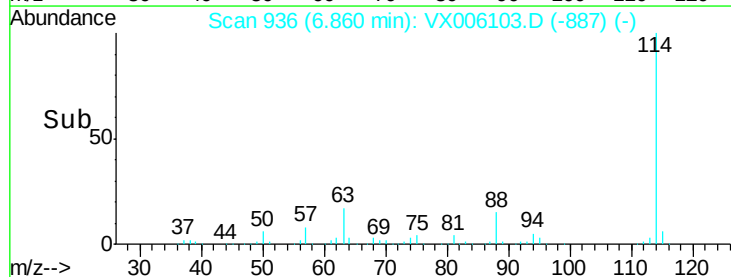
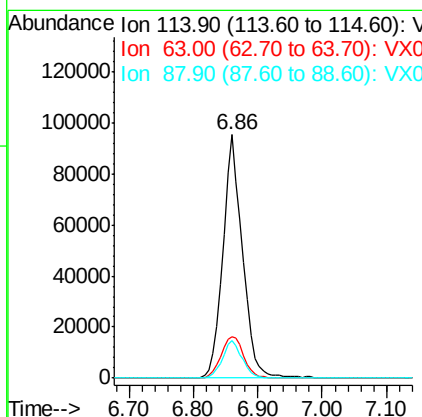
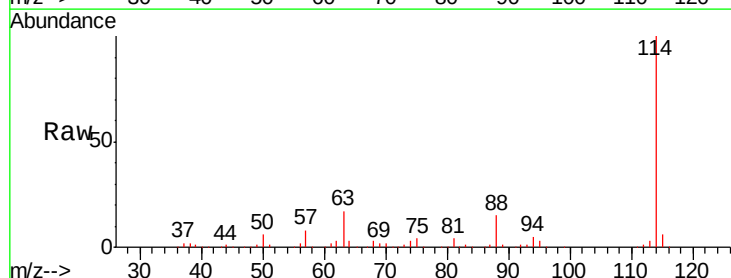
Manual Integrations
 APPROVED

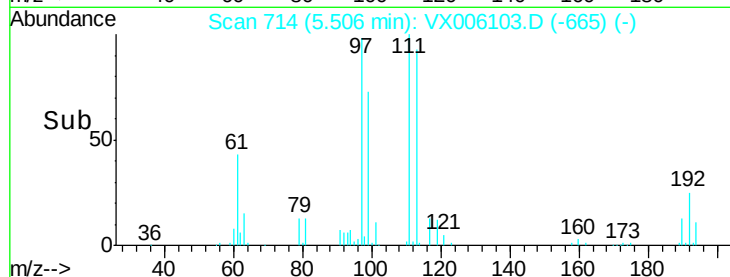
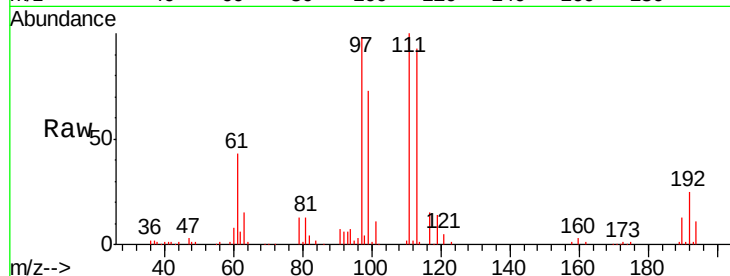
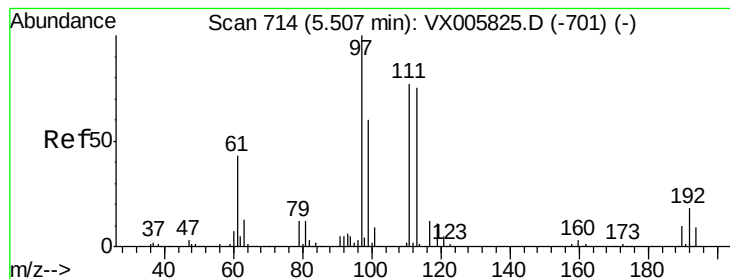
MMDadoda
 11/20/2018 9:59:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 114 Resp: 205837
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 42.8
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 42.74 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	113	Resp:	59836
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.3	123.5
192	24.8	17.9	26.9

Instrument :

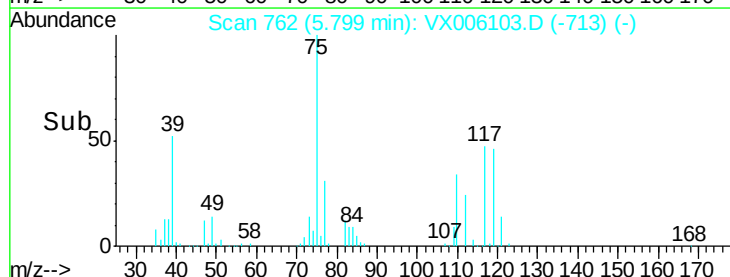
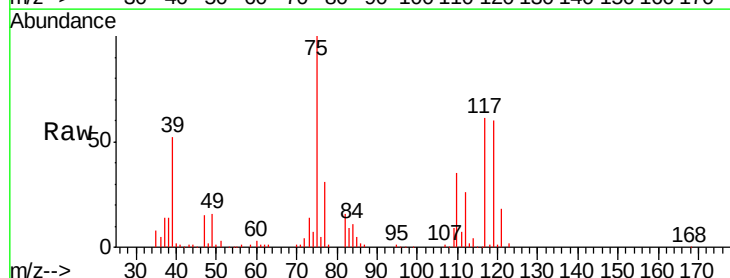
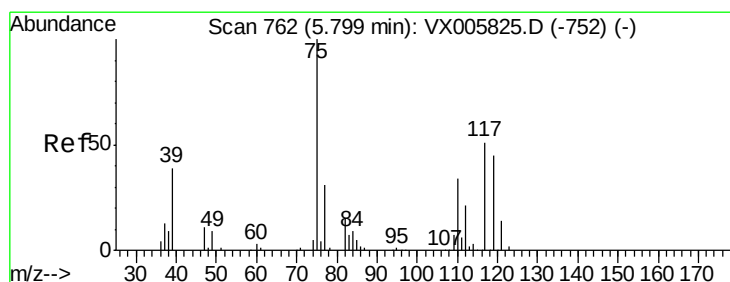
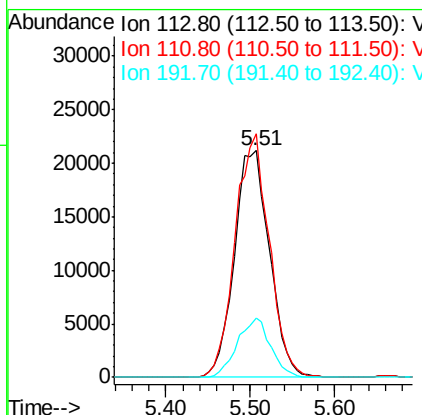
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#36

1,1-Dichloropropene

Concen: 40.24 ug/l

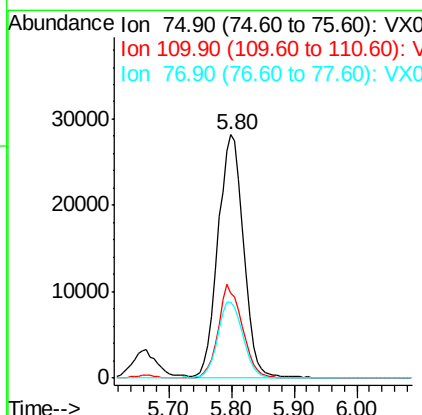
RT: 5.80 min Scan# 762

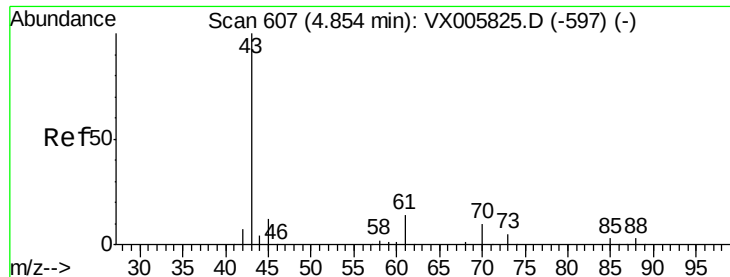
Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	75	Resp:	79848
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.4	52.2
77	30.9	25.8	38.6





#37

Ethyl Acetate

Concen: 40.67 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

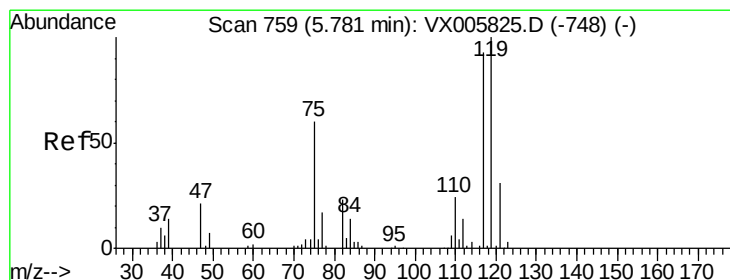
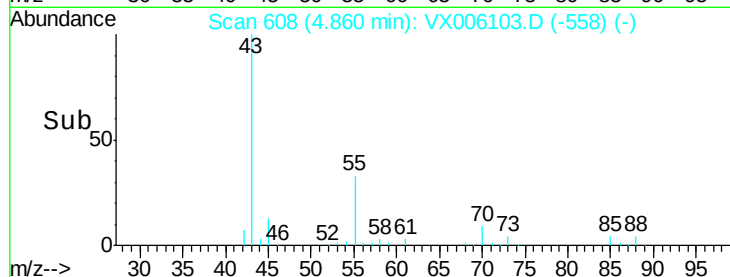
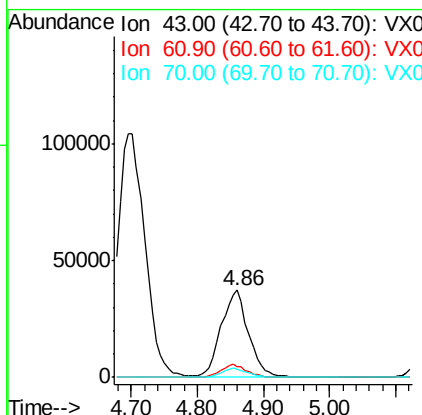
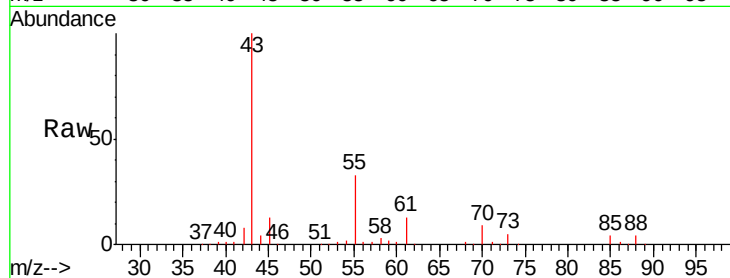
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	106125
Ion Ratio		Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.2	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#38

Carbon Tetrachloride

Concen: 35.79 ug/l

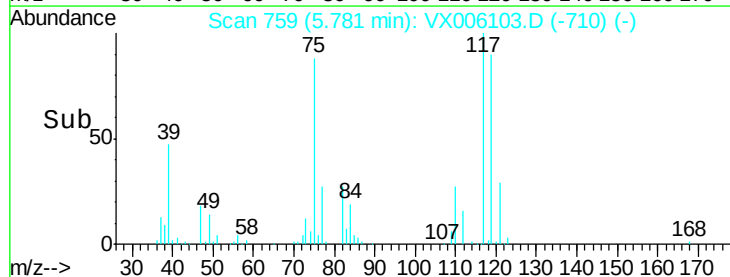
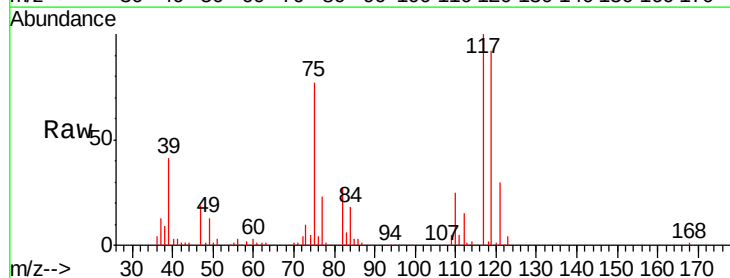
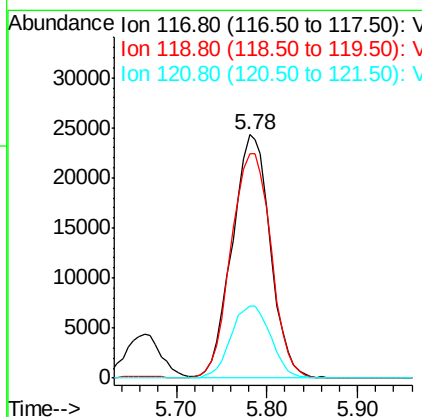
RT: 5.78 min Scan# 759

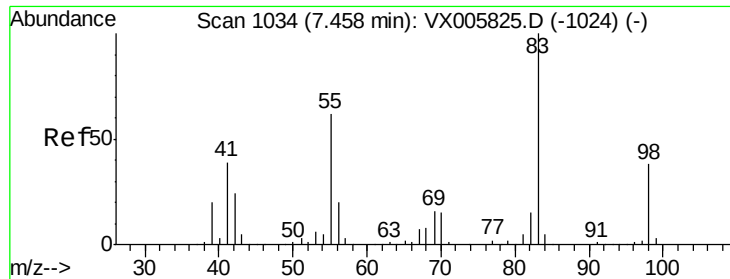
Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	117	Resp:	71106
Ion Ratio		Lower	Upper
117	100		
119	92.3	78.1	117.1
121	29.6	24.6	36.8





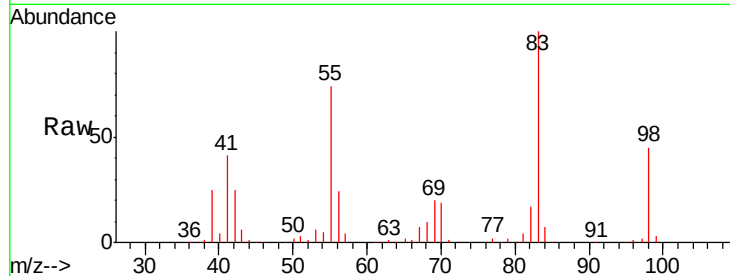
#39
Methylcyclohexane
Concen: 37.10 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

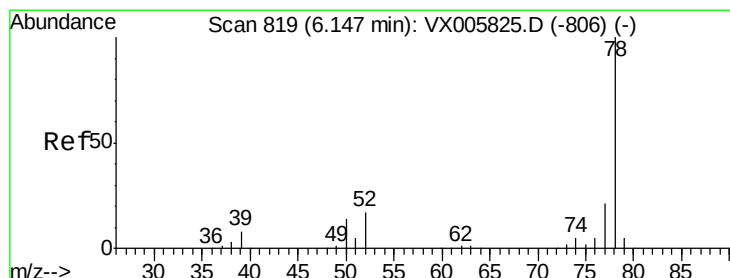
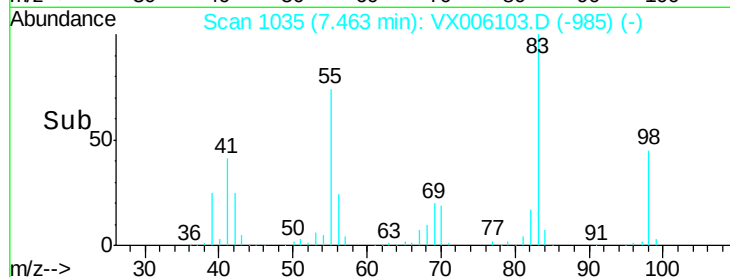
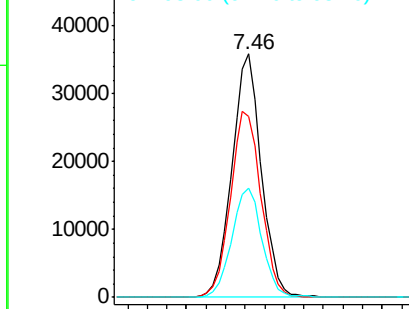
Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.4	63.7	95.5
98	44.7	36.2	54.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM

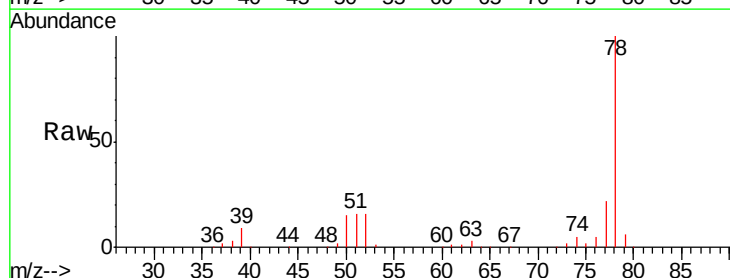


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

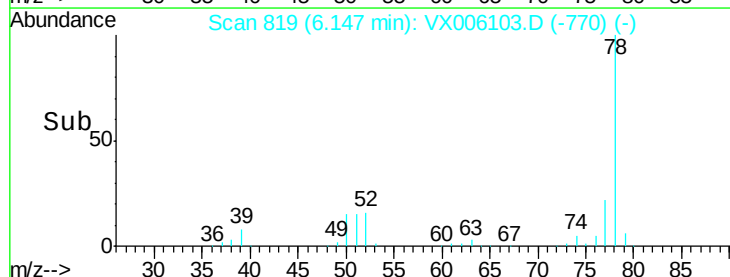
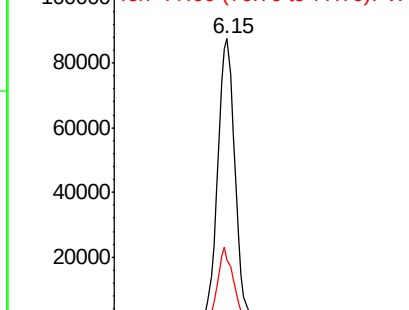


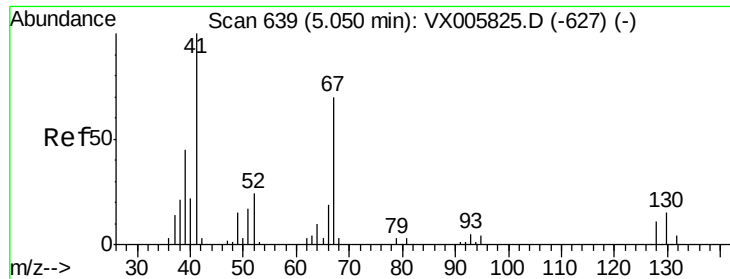
#40
Benzene
Concen: 40.46 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





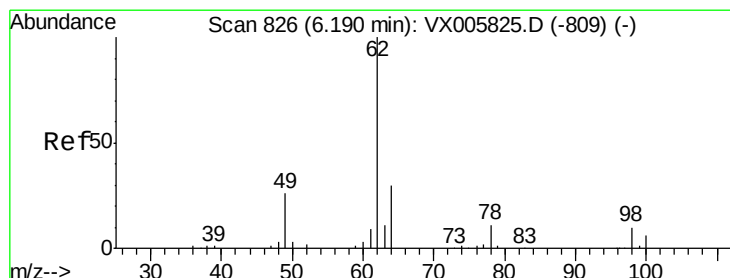
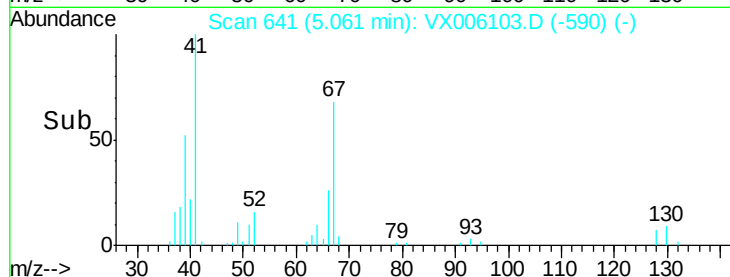
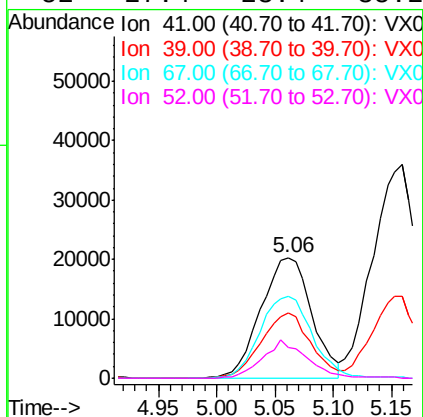
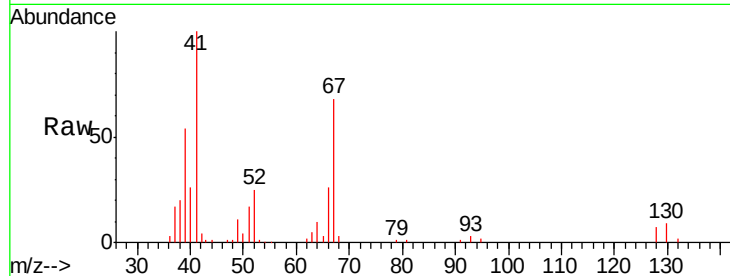
#41
Methacrylonitrile
Concen: 43.60 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.2	63.2	
67	69.8	53.4	80.0	
52	27.4	23.4	35.2	

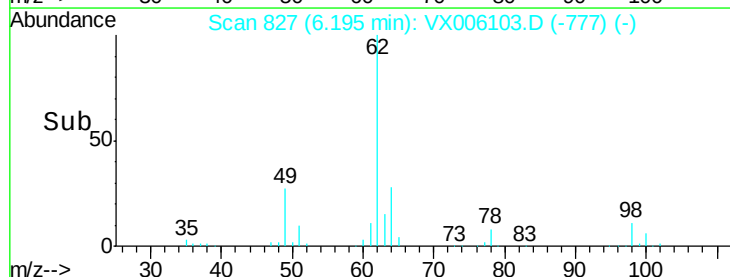
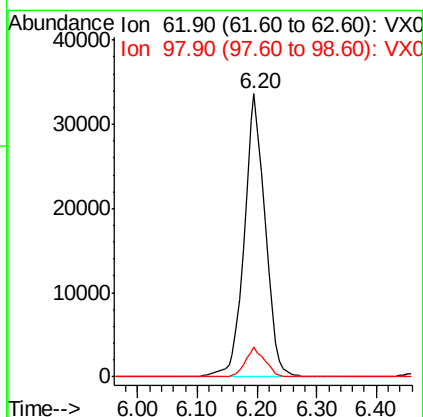
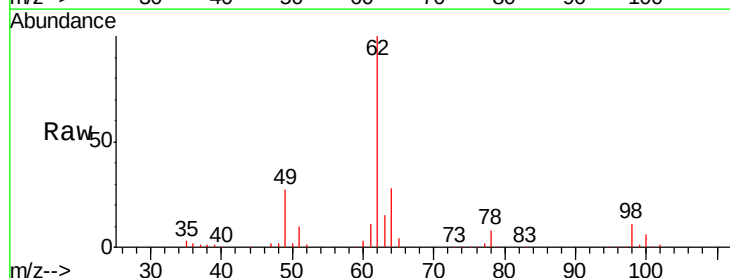
Manual Integrations
APPROVED

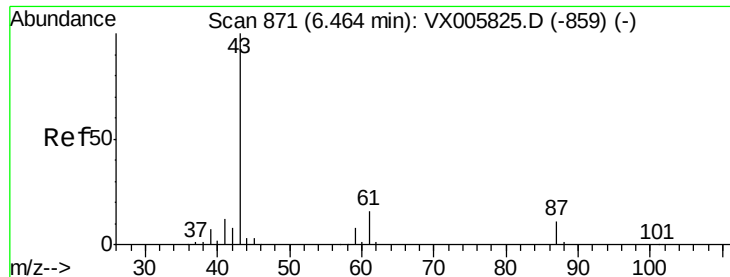
MMDadoda
11/20/2018 9:59:55 AM



#42
1,2-Dichloroethane
Concen: 39.73 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	17.8	





#43

Isopropyl Acetate

Concen: 41.40 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

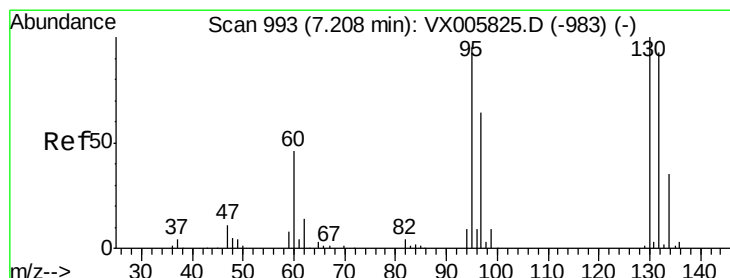
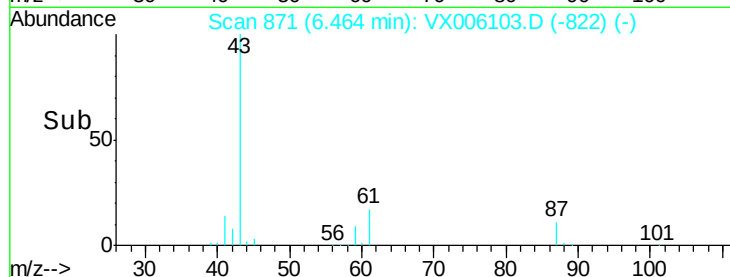
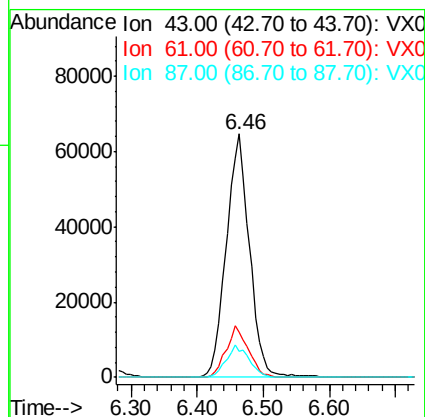
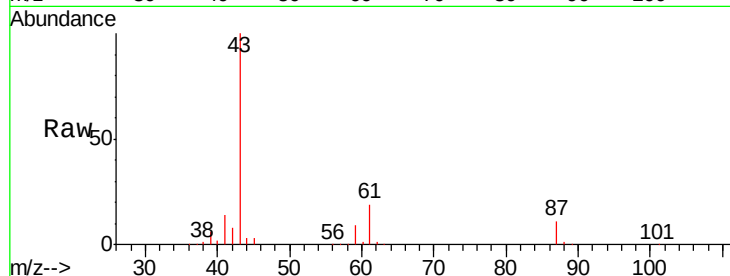
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	156520
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.6	22.0
87	13.1	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#44

Trichloroethene

Concen: 44.88 ug/l

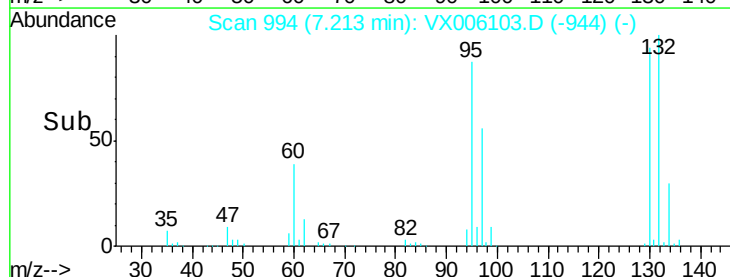
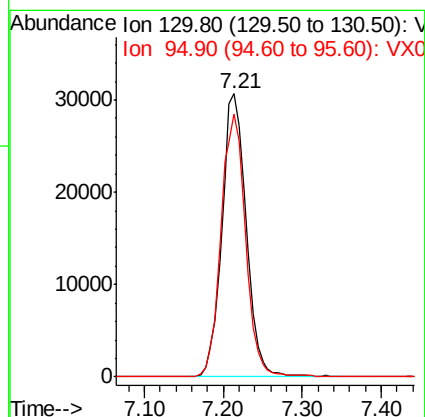
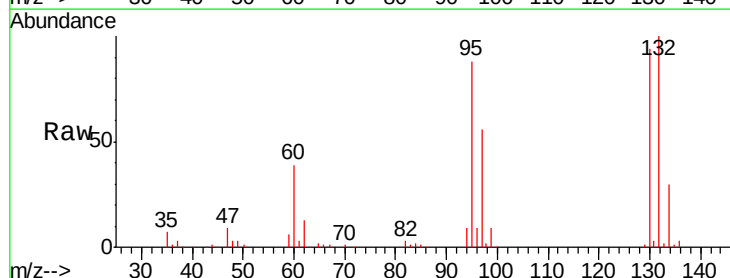
RT: 7.21 min Scan# 994

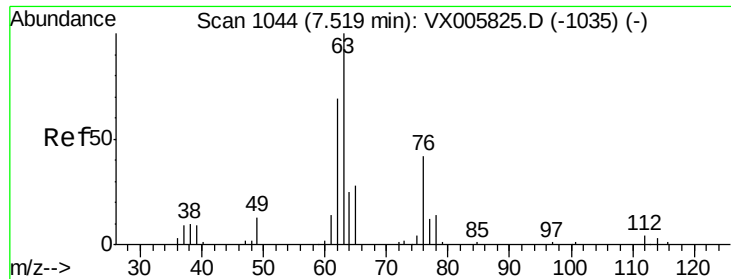
Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	130	Resp:	65925
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	194.2





#45

1,2-Dichloropropane

Concen: 40.85 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 57349

Ion Ratio Lower Upper

63 100

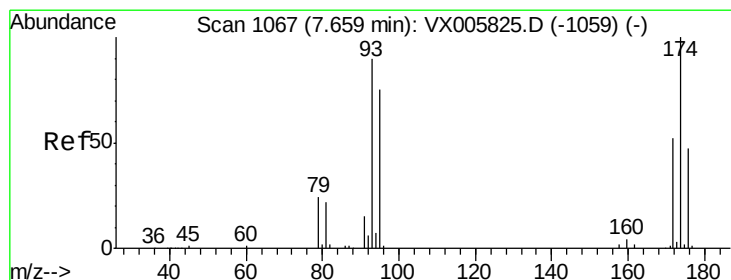
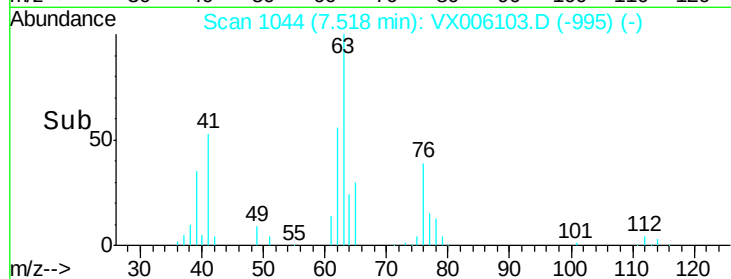
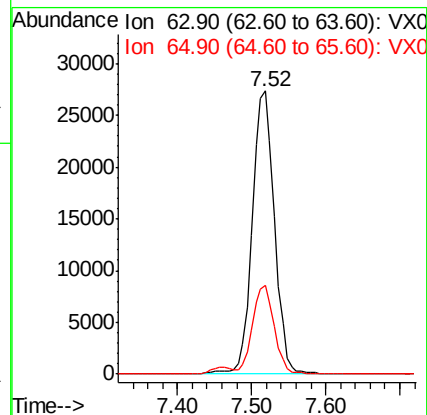
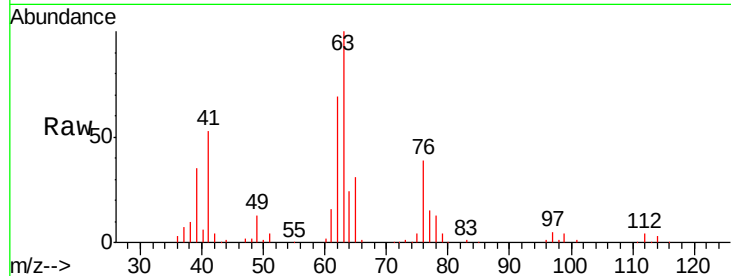
65 31.4 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#46

Dibromomethane

Concen: 40.76 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

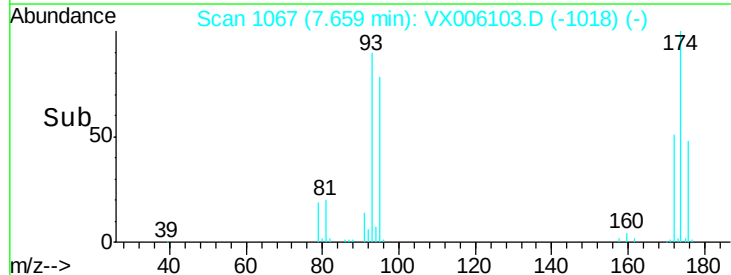
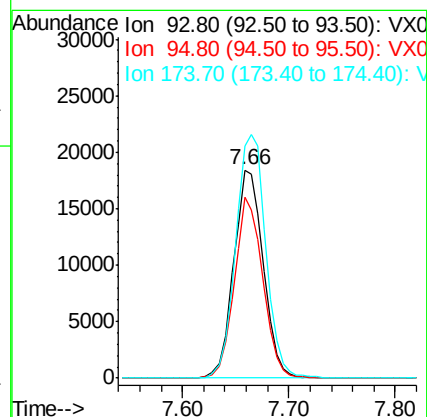
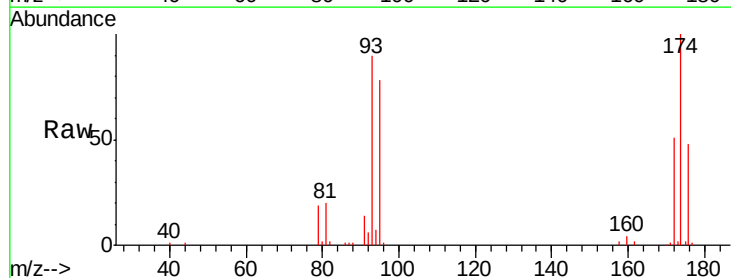
Tgt Ion: 93 Resp: 35908

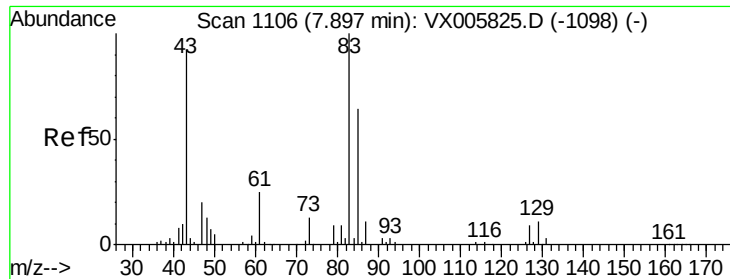
Ion Ratio Lower Upper

93 100

95 83.4 67.4 101.0

174 119.4 91.5 137.3





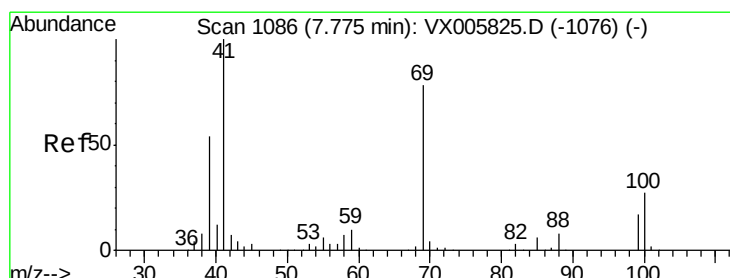
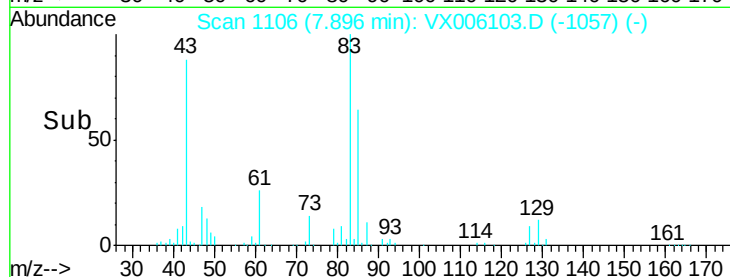
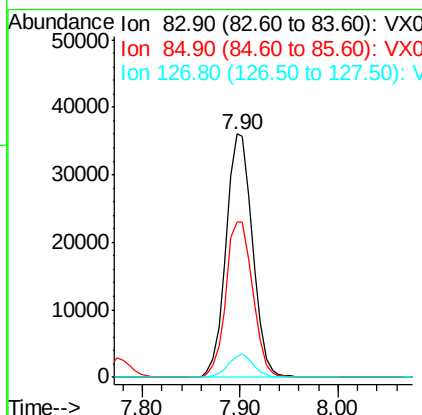
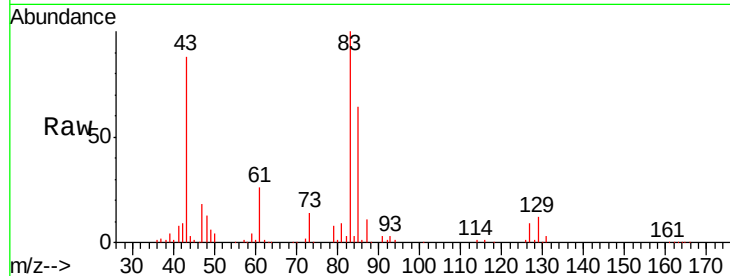
#47
Bromodichloromethane
Concen: 40.59 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.4
127	8.7	6.9	10.3

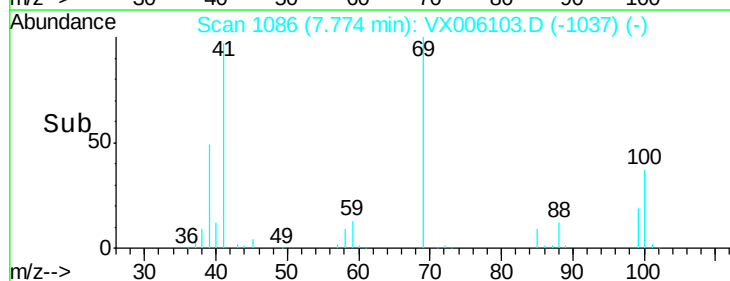
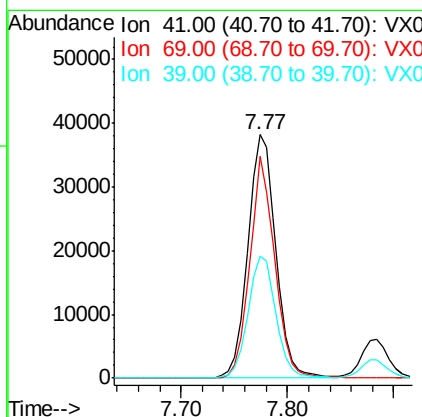
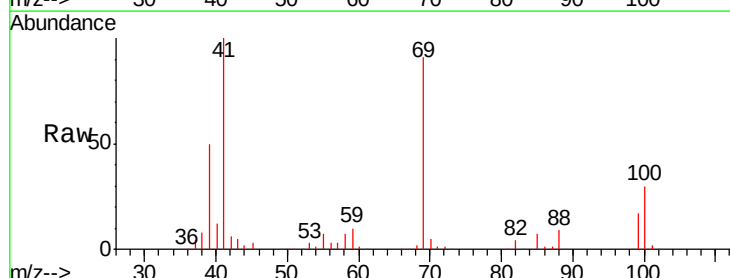
Manual Integrations
APPROVED

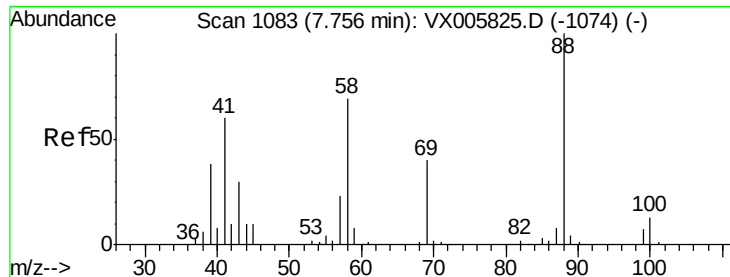
MMDadoda
11/20/2018 9:59:55 AM



#48
Methyl methacrylate
Concen: 41.48 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.0	63.2	94.8
39	50.2	42.2	63.2





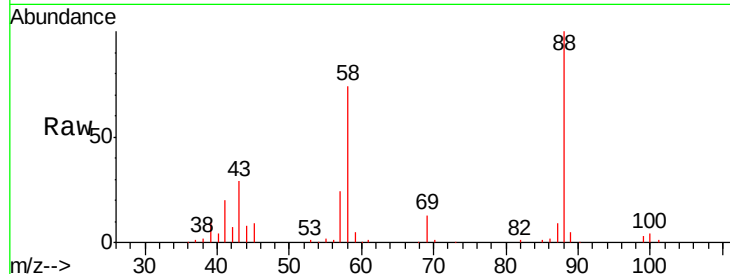
#49
1,4-Dioxane
Concen: 825.05 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

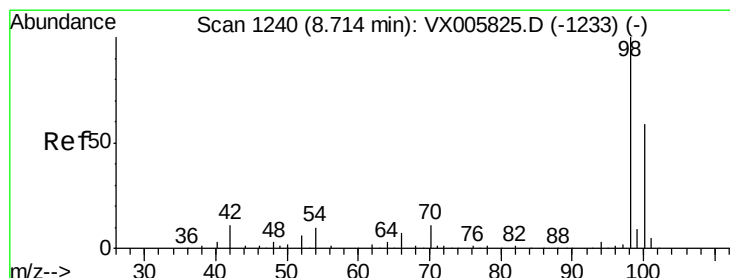
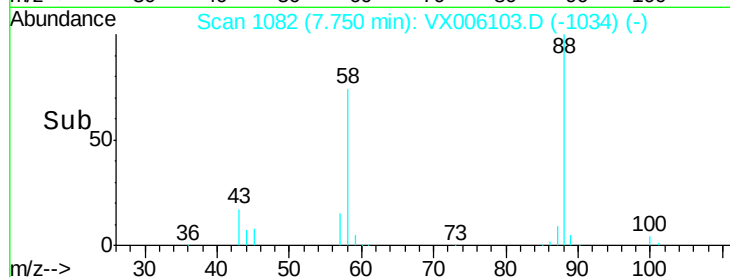
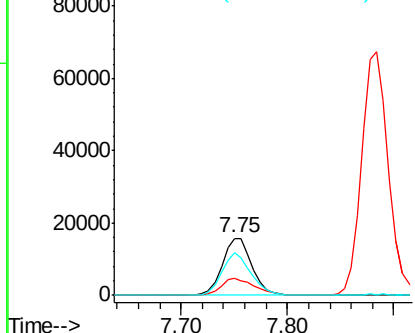
Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.4	41.0
58	74.4	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM

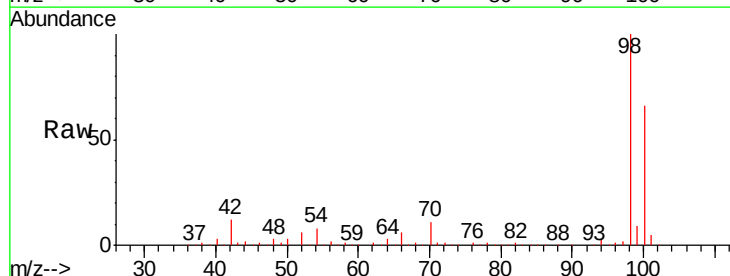


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

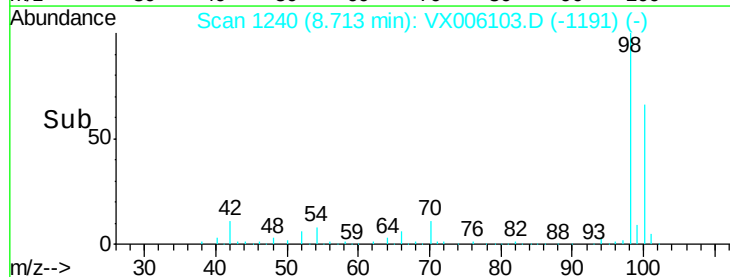
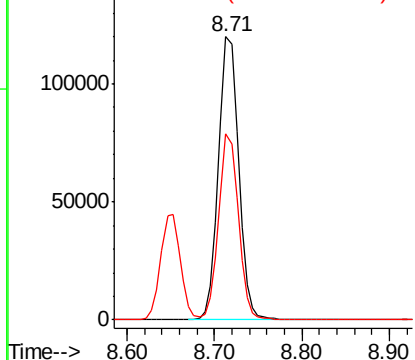


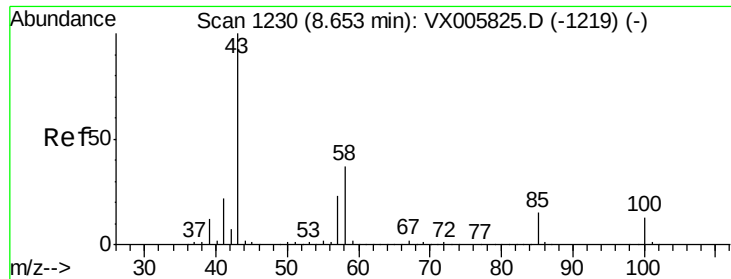
#50
Toluene-d8
Concen: 41.35 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 207.28 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tgt Ion: 43 Resp: 493948

Ion Ratio Lower Upper

43 100

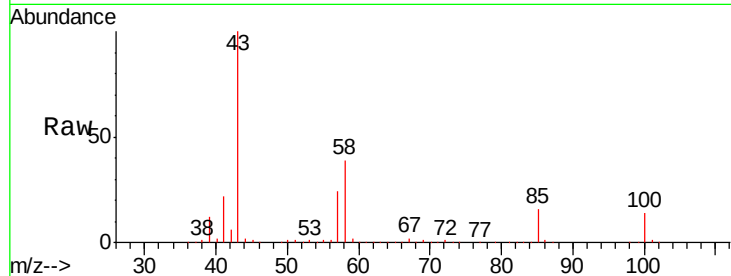
58 38.6 29.7 44.5

Manual Integrations

APPROVED

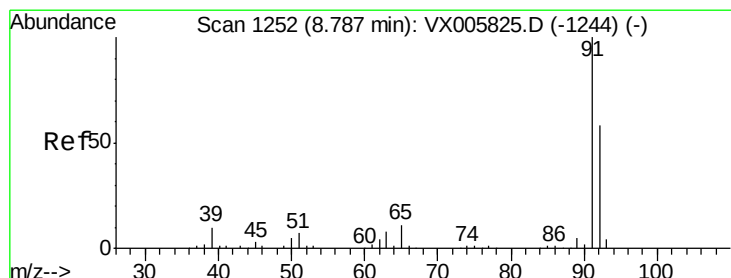
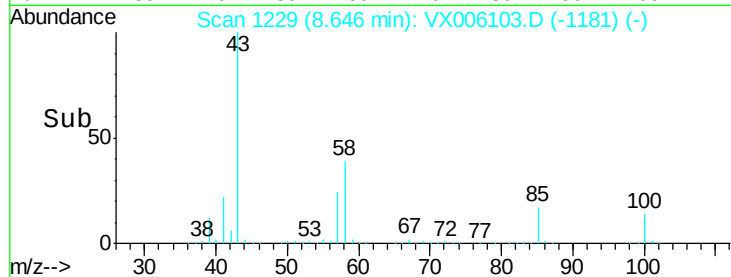
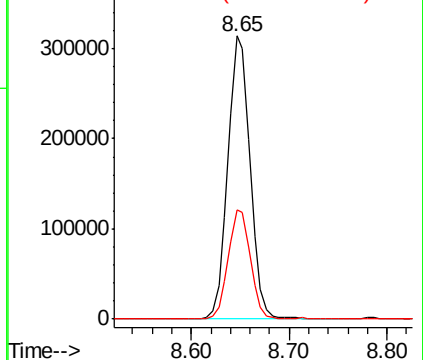
MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 39.65 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006103.D

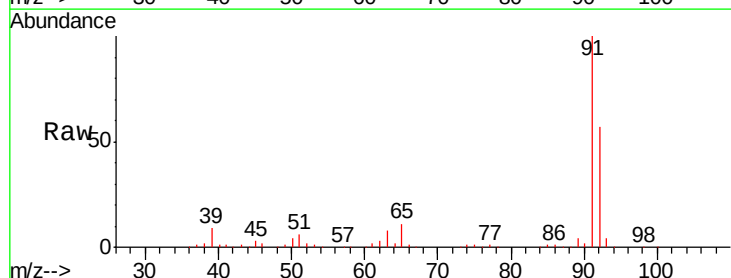
Acq: 19 Nov 2018 20:33

Tgt Ion: 92 Resp: 128193

Ion Ratio Lower Upper

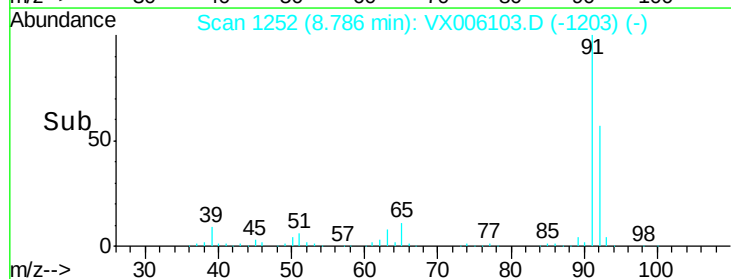
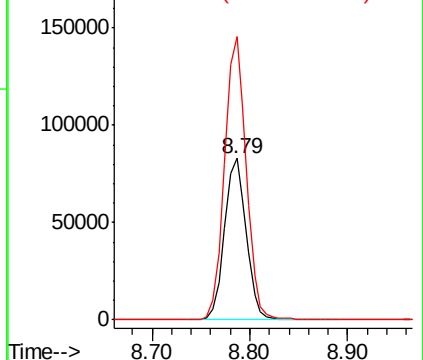
92 100

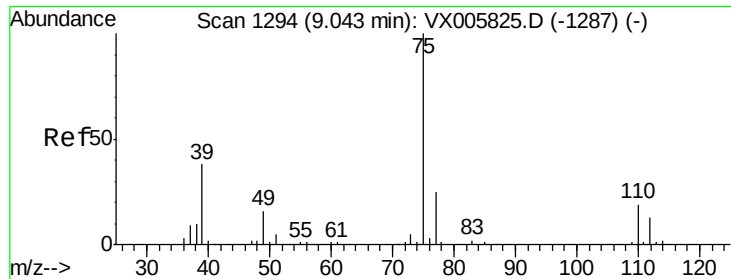
91 174.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





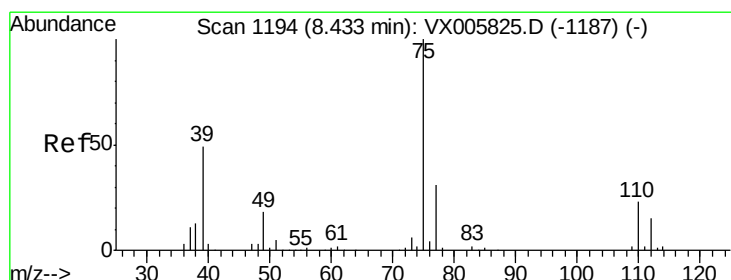
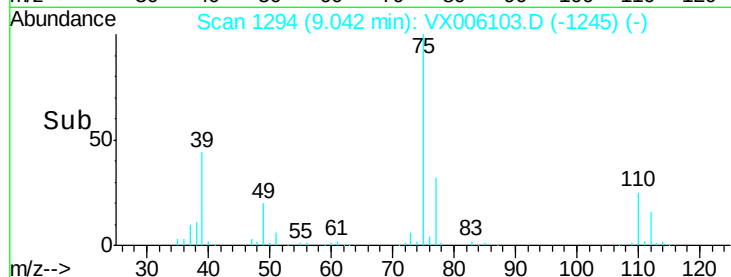
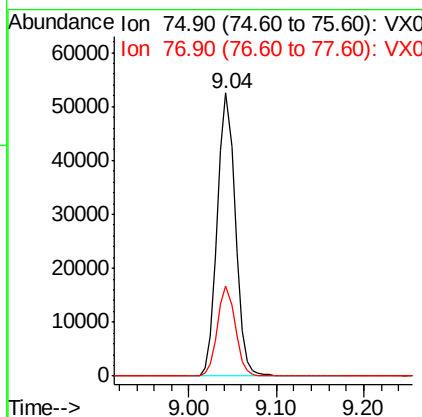
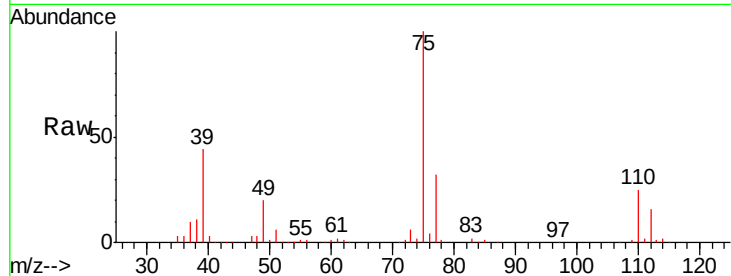
#53
t-1,3-Dichloropropene
Concen: 38.19 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 75036
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

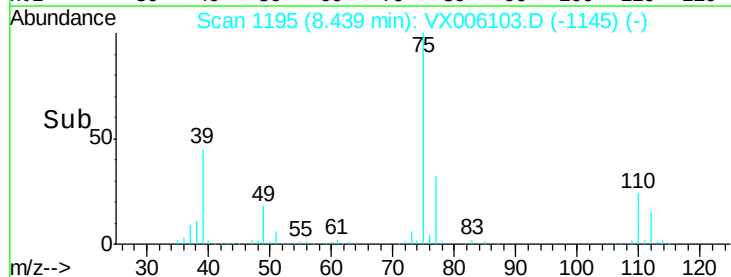
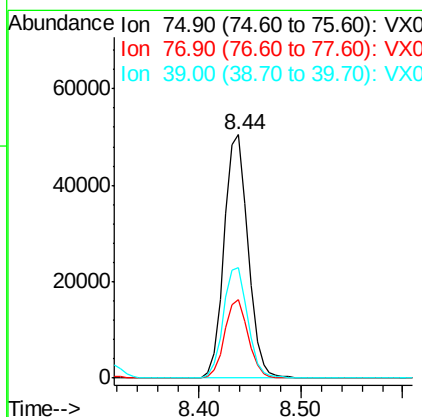
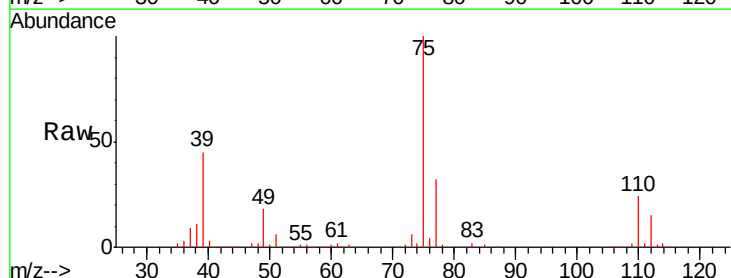
Manual Integrations
APPROVED

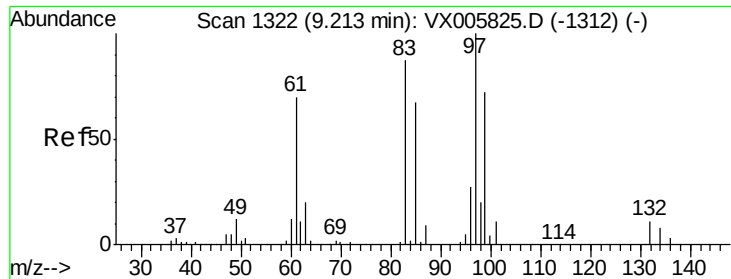
MMDadoda
11/20/2018 9:59:55 AM



#54
cis-1,3-Dichloropropene
Concen: 41.03 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 75 Resp: 82175
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 45.4 38.2 57.2





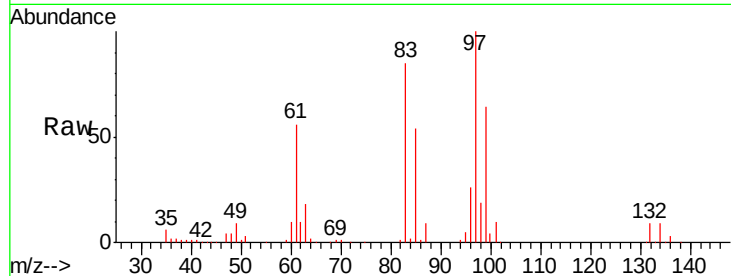
#55
 1,1,2-Trichloroethane
 Concen: 38.04 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

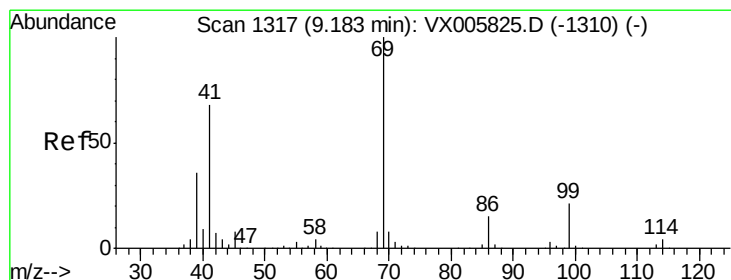
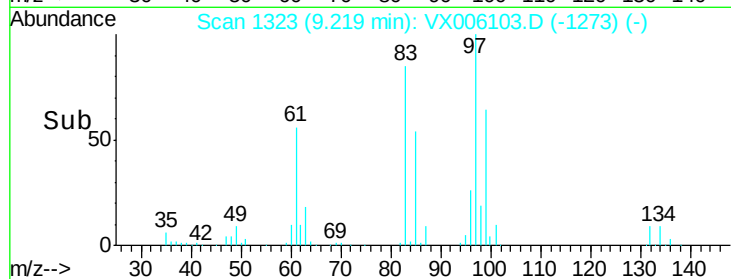
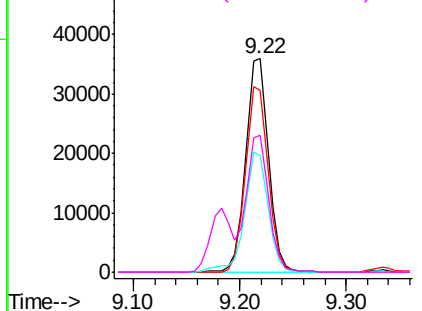
Tgt Ion:	97	Resp:	54813
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.7	106.1
85	54.3	45.8	68.6
99	64.3	51.8	77.8

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:55 AM

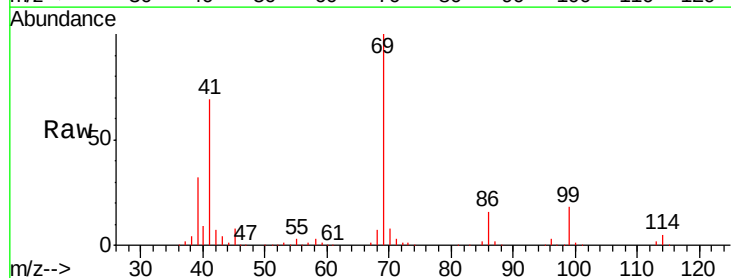


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

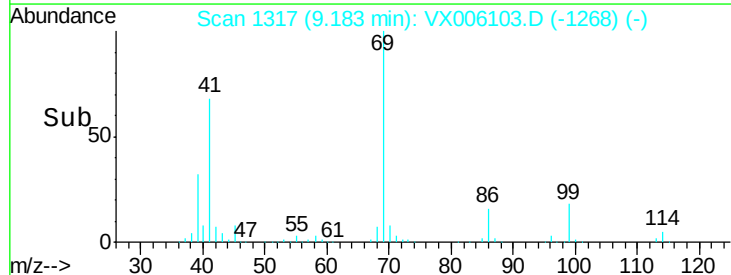
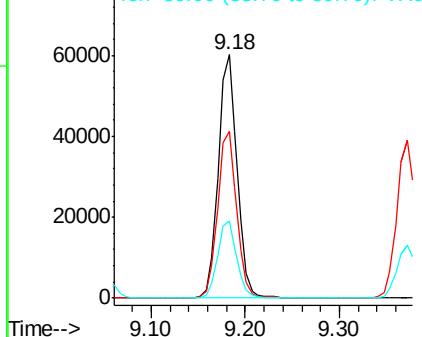


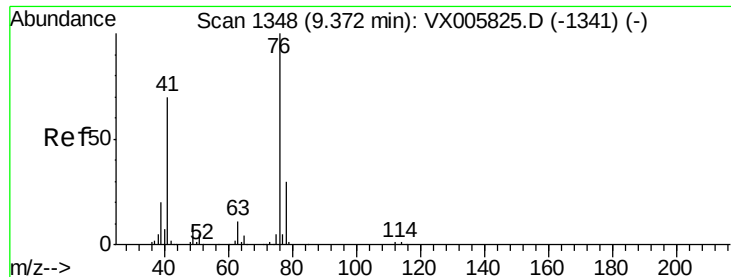
#56
 Ethyl methacrylate
 Concen: 38.60 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion:	69	Resp:	83211
Ion	Ratio	Lower	Upper
69	100		
41	69.2	57.0	85.6
39	32.0	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





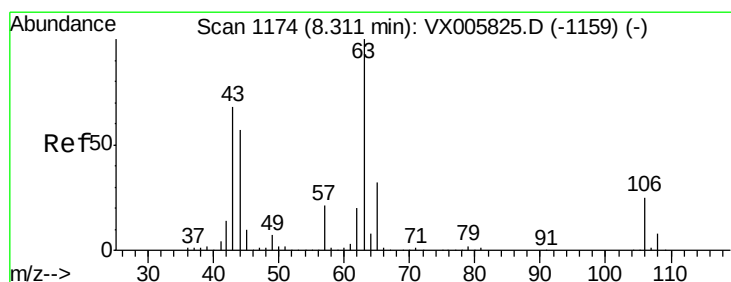
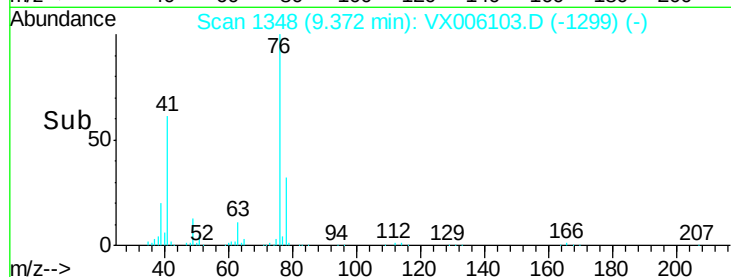
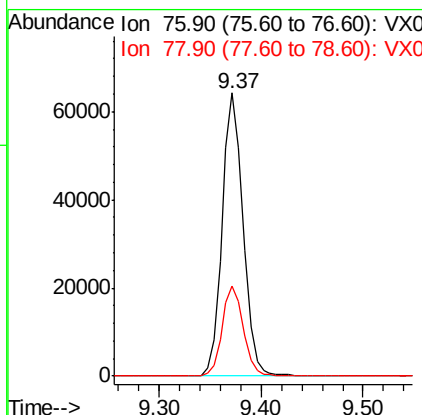
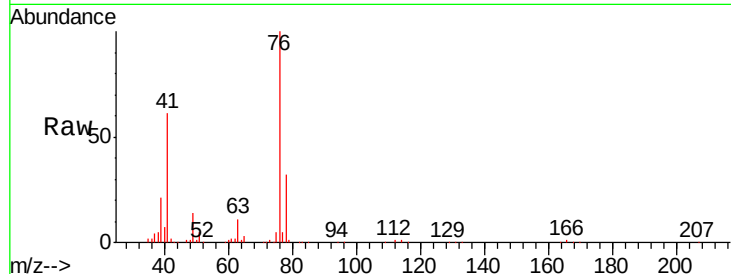
#57
 1,3-Dichloropropane
 Concen: 37.90 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 91774
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

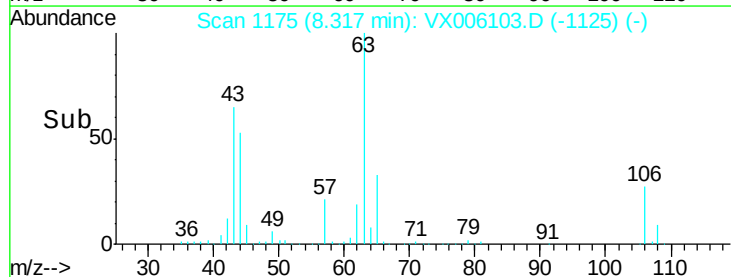
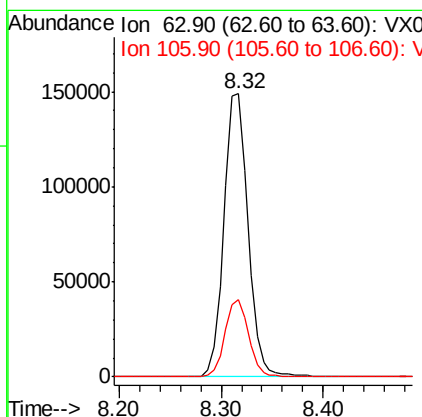
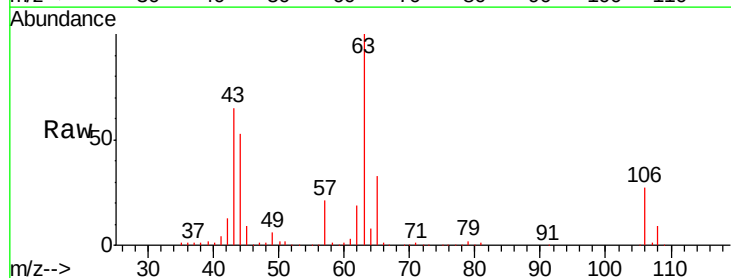
Manual Integrations
 APPROVED

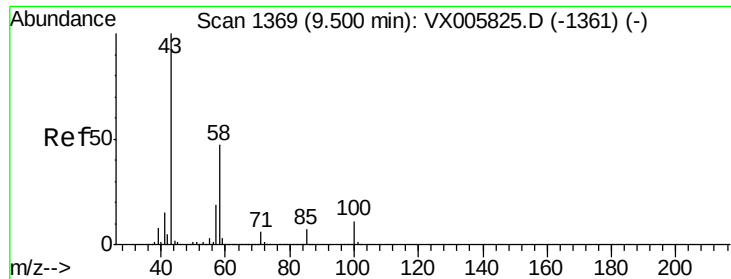
MMDadoda
 11/20/2018 9:59:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 208.84 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 63 Resp: 243686
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.3 31.9





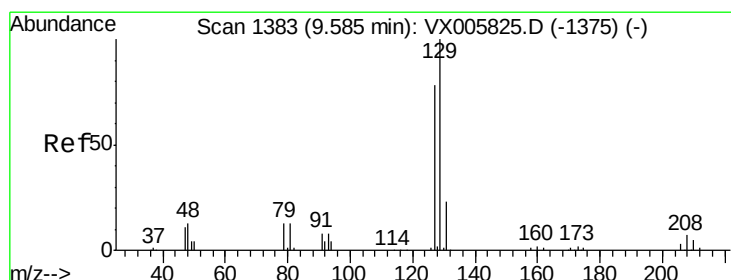
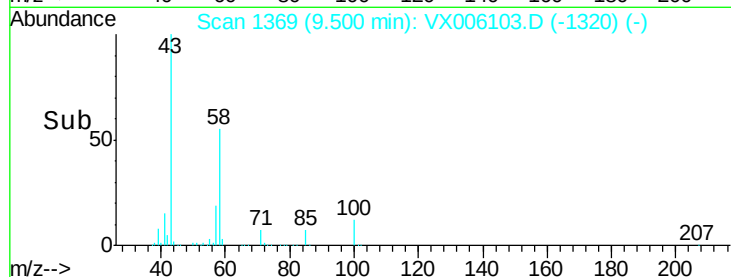
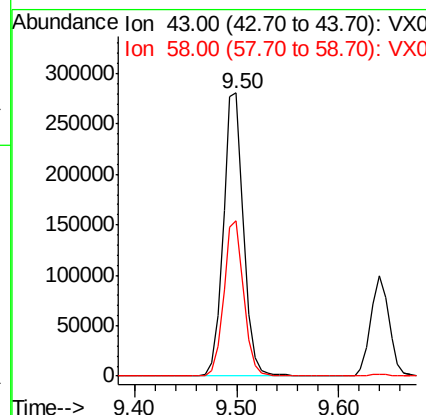
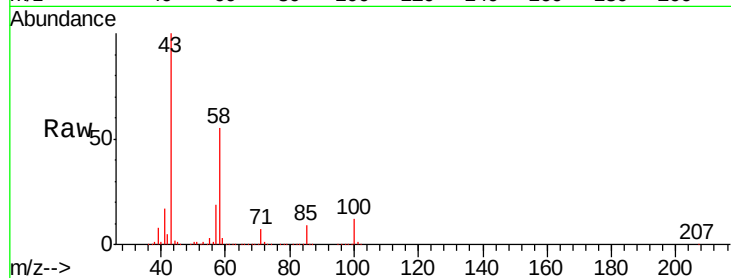
#59
2-Hexanone
Concen: 185.02 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 388636
Ion Ratio Lower Upper
43 100
58 54.1 25.9 77.8

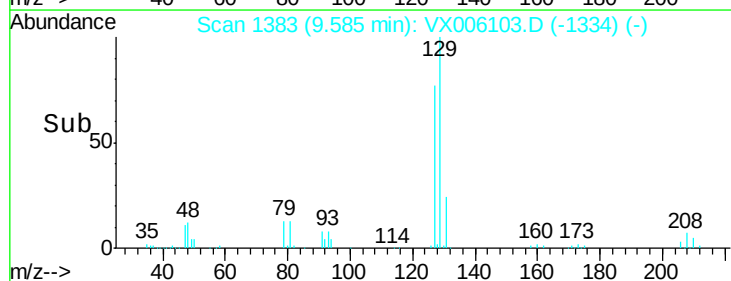
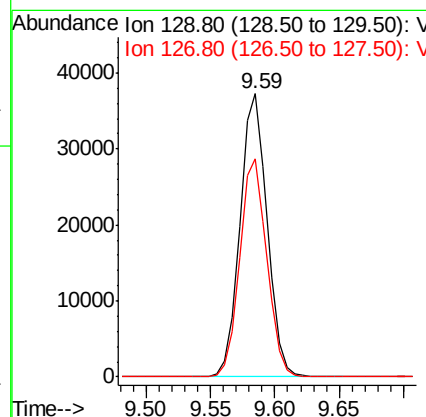
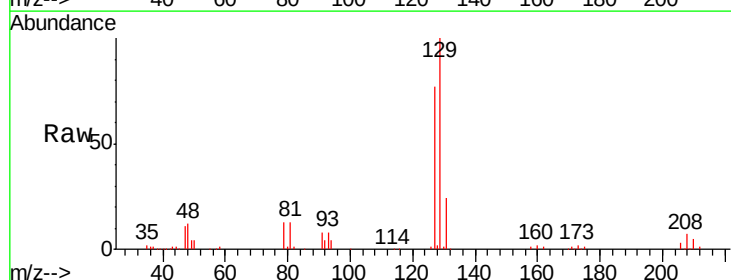
Manual Integrations
APPROVED

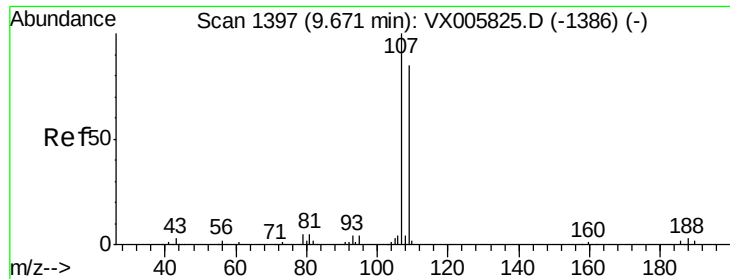
MMDadoda
11/20/2018 9:59:55 AM



#60
Dibromochloromethane
Concen: 34.81 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 129 Resp: 54209
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 35.62 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 56750

Ion Ratio Lower Upper

107 100

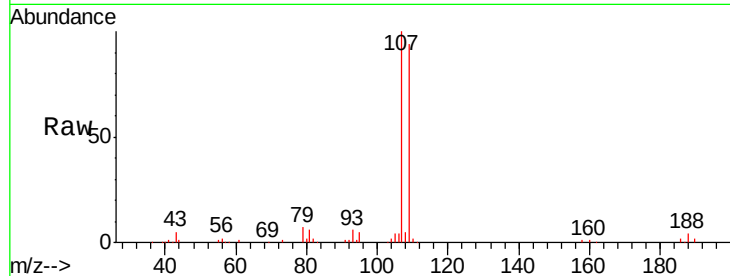
109 94.1 75.7 113.5

Manual Integrations

APPROVED

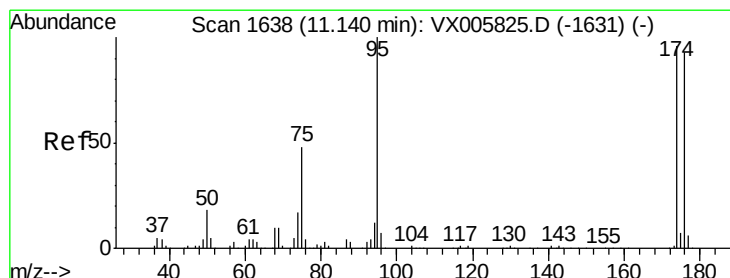
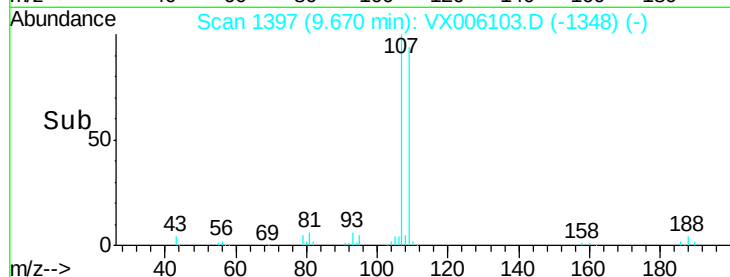
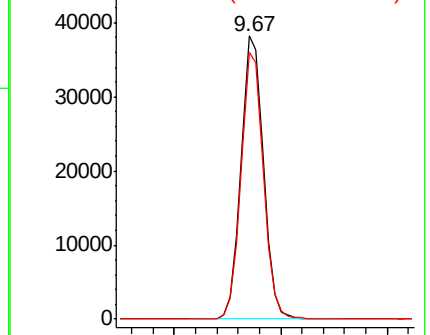
MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.23 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

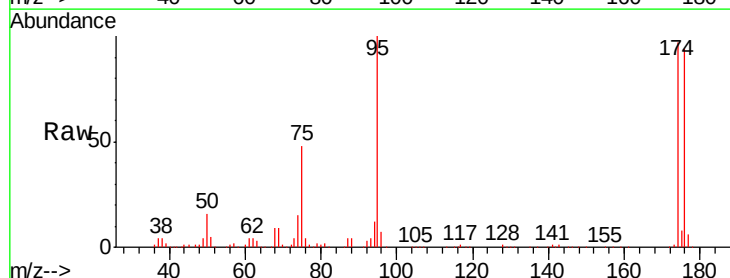
Tgt Ion: 95 Resp: 74024

Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.4

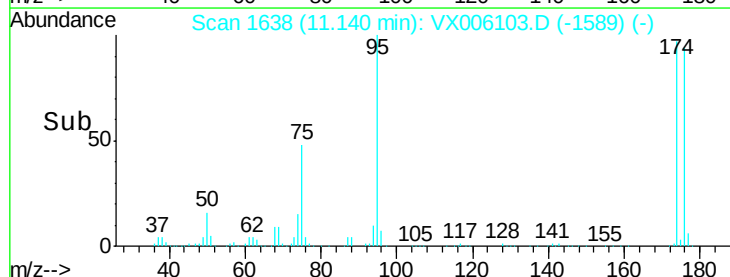
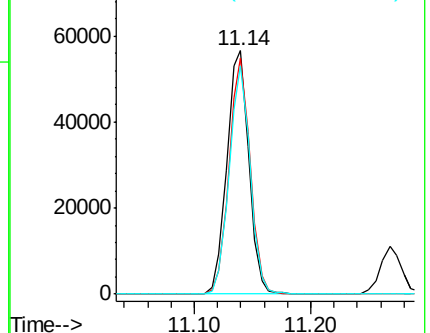
176 89.6 0.0 177.4

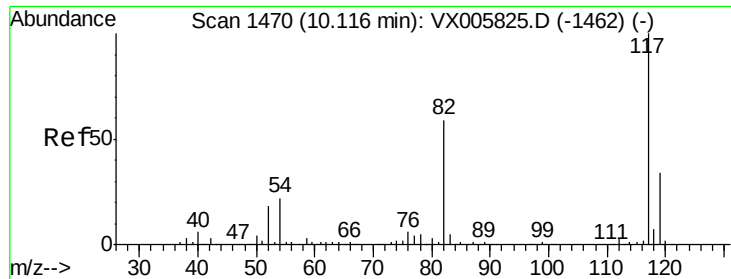


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





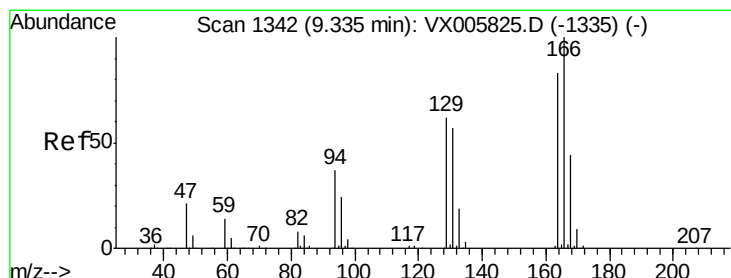
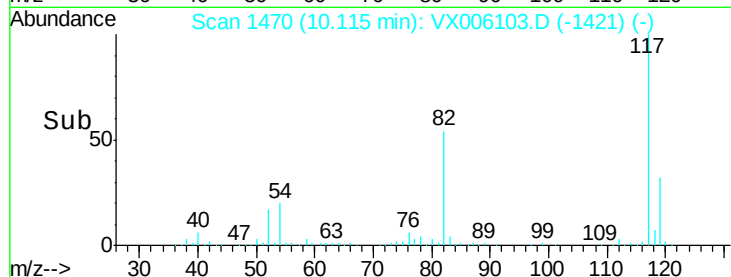
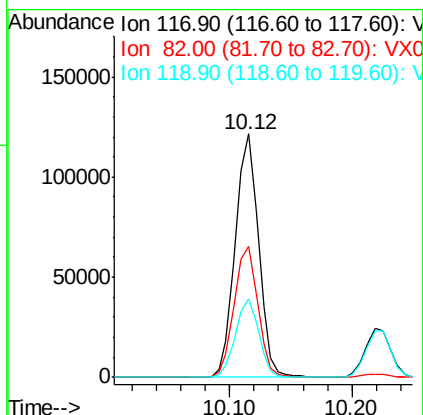
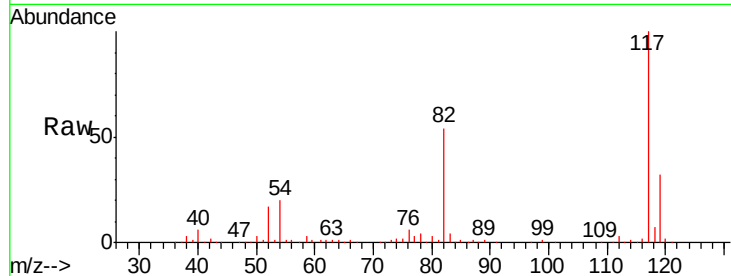
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	159649		
82	53.7	44.1	66.1	
119	32.1	26.2	39.2	

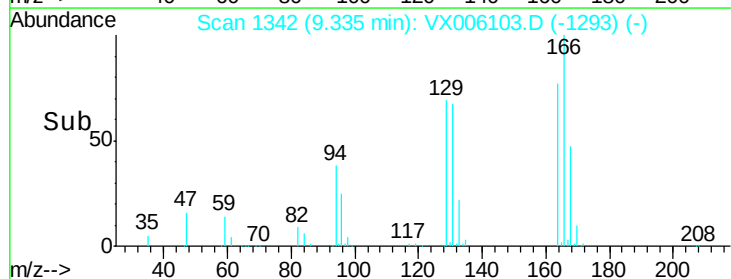
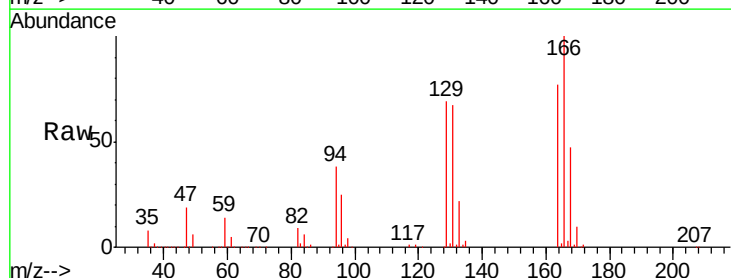
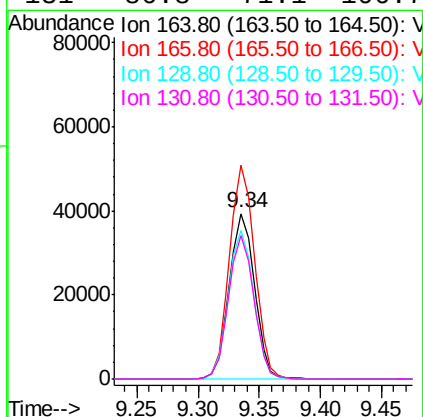
Manual Integrations
APPROVED

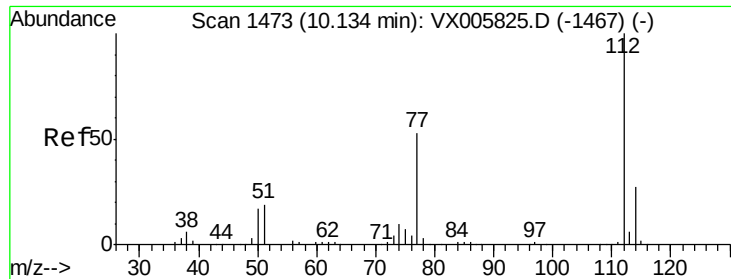
MMDadoda
11/20/2018 9:59:55 AM



#64
Tetrachloroethene
Concen: 41.57 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56503		
166	129.2	101.9	152.9	
129	89.6	72.6	109.0	
131	86.8	71.1	106.7	





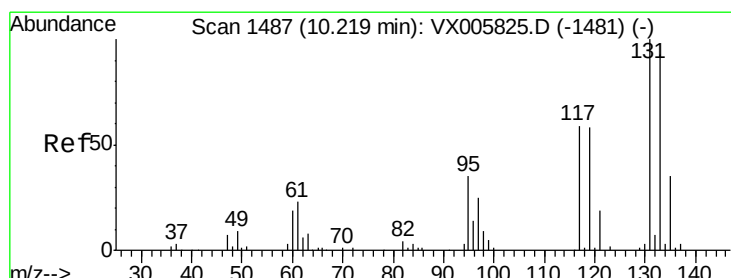
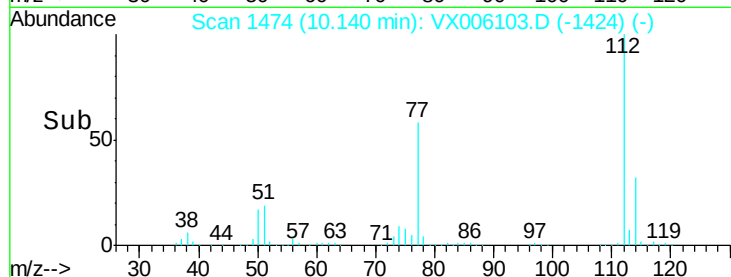
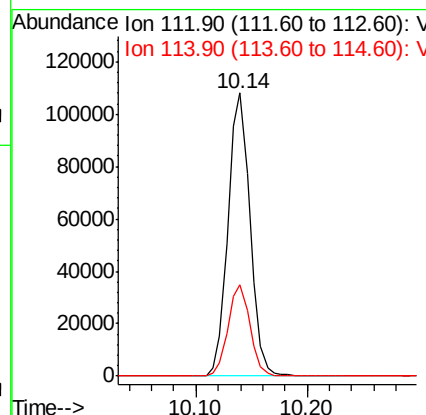
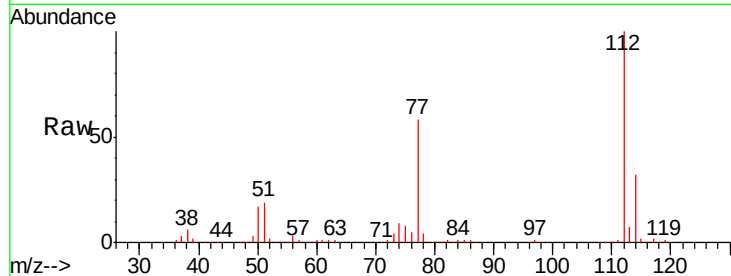
#65
Chlorobenzene
Concen: 46.31 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 148097
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

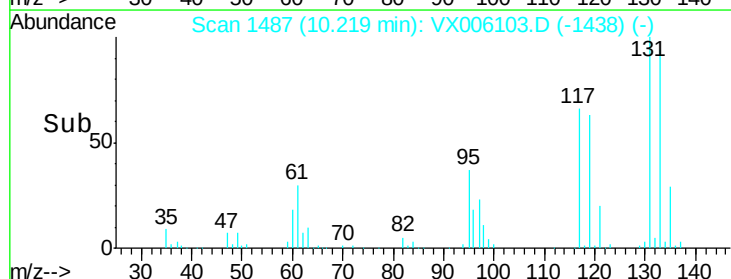
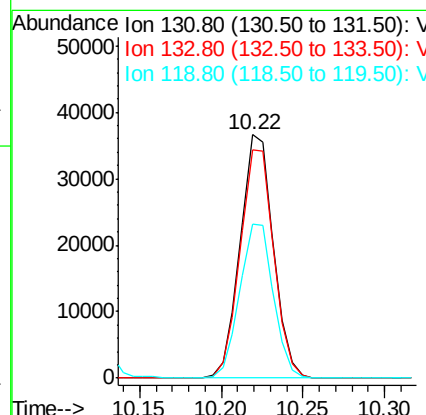
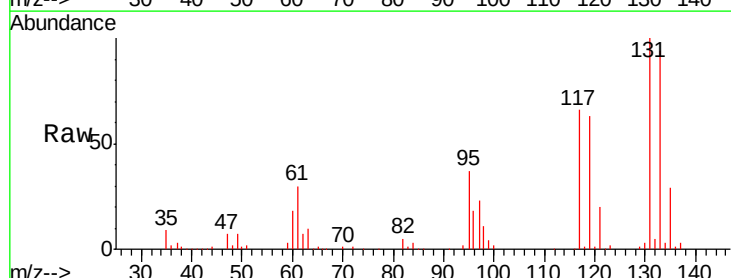
Manual Integrations
APPROVED

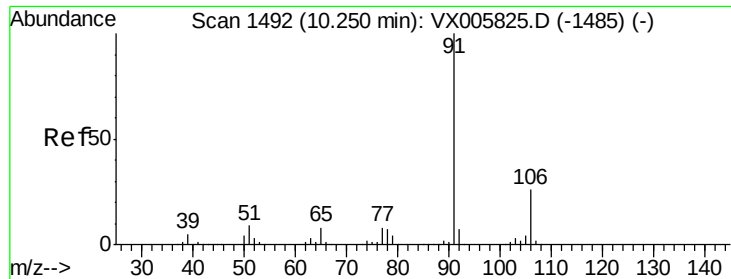
MMDadoda
11/20/2018 9:59:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.64 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:131 Resp: 51858
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 49.02 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 251381

Ion Ratio Lower Upper

91 100

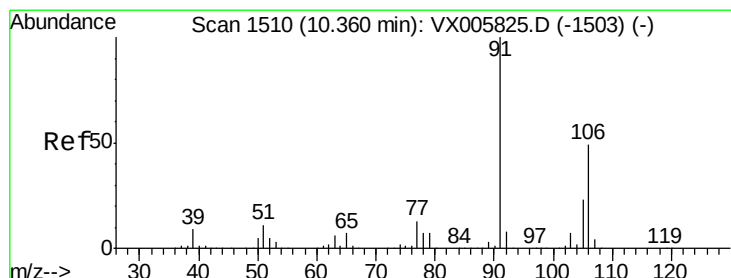
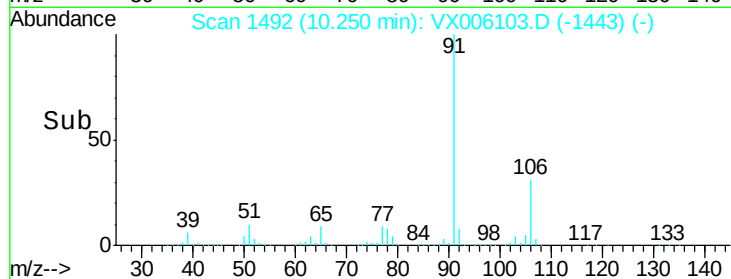
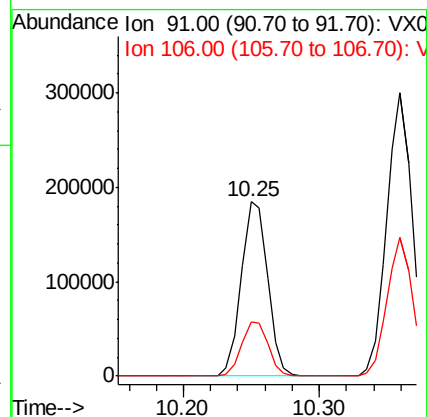
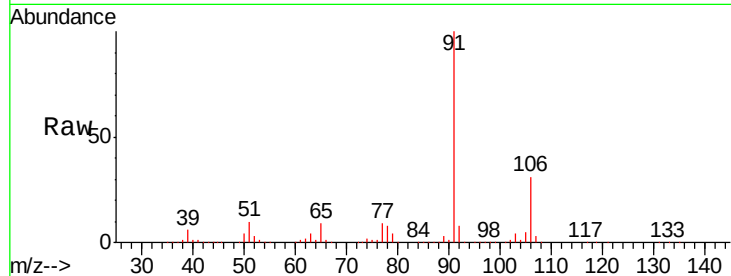
106 30.9 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#68

m/p-Xylenes

Concen: 99.12 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006103.D

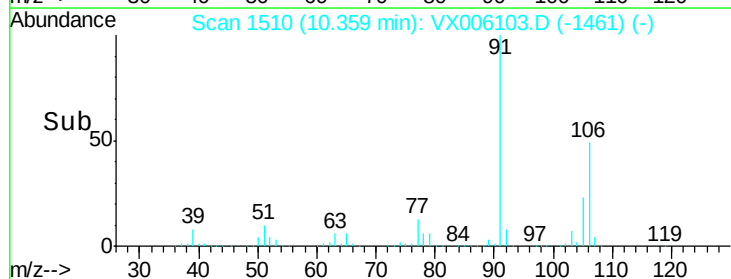
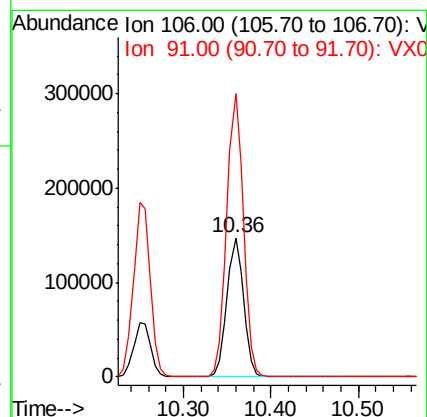
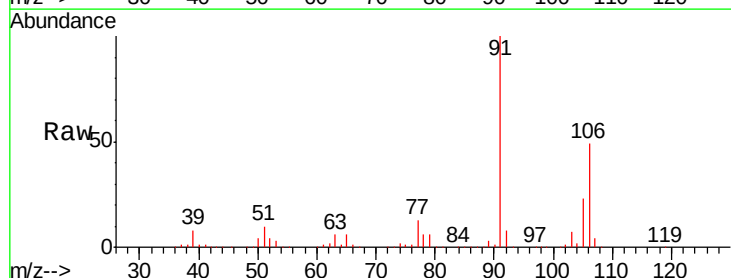
Acq: 19 Nov 2018 20:33

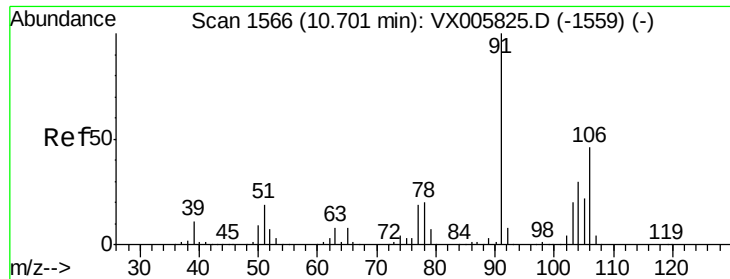
Tgt Ion: 106 Resp: 193903

Ion Ratio Lower Upper

106 100

91 204.0 164.2 246.4





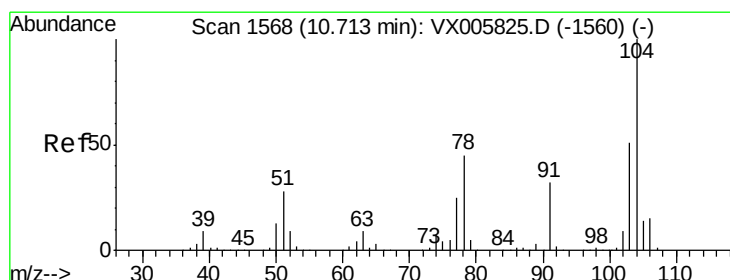
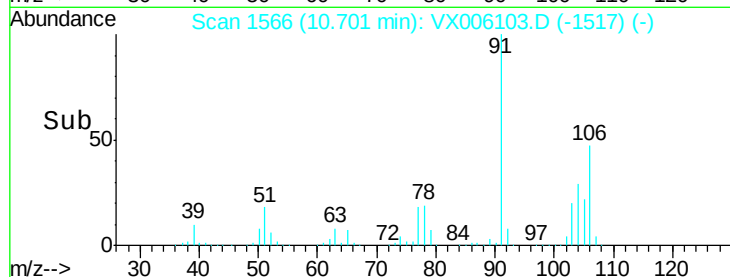
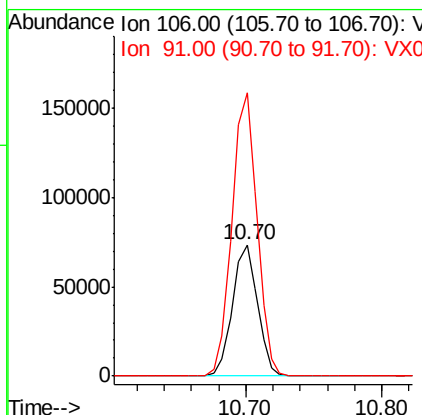
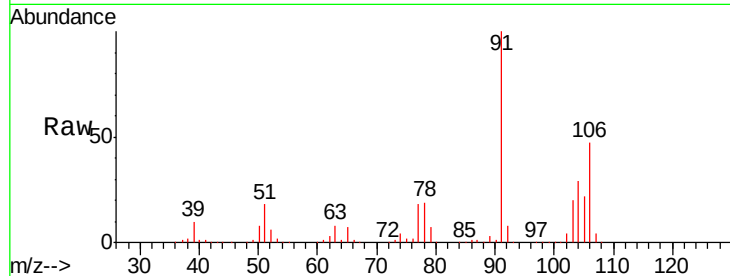
#69
o-Xylene
Concen: 53.72 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 94233
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5

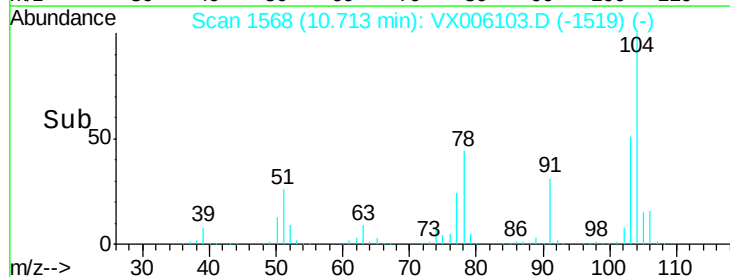
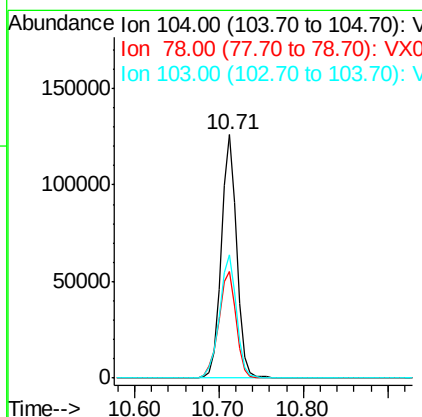
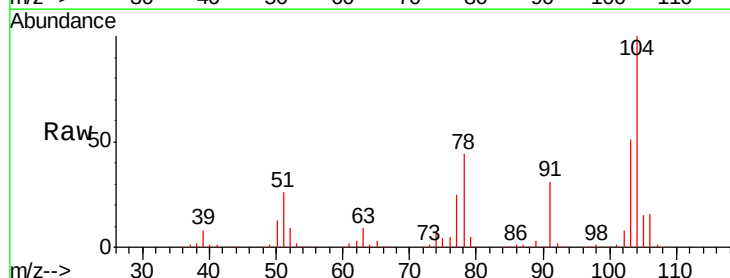
Manual Integrations
APPROVED

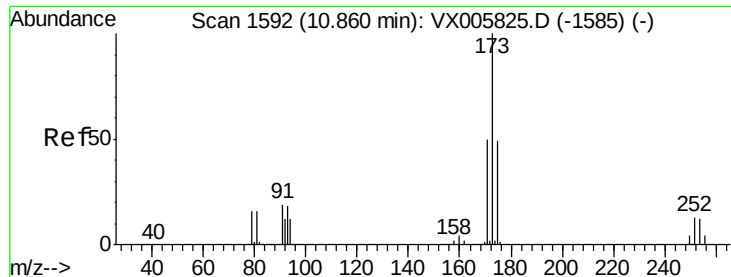
MMDadoda
11/20/2018 9:59:55 AM



#70
Styrene
Concen: 55.45 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:104 Resp: 160443
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.4
103 55.7 44.9 67.3





#71

Bromoform

Concen: 48.56 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 45259

Ion Ratio Lower Upper

173 100

175 48.6 24.8 74.3

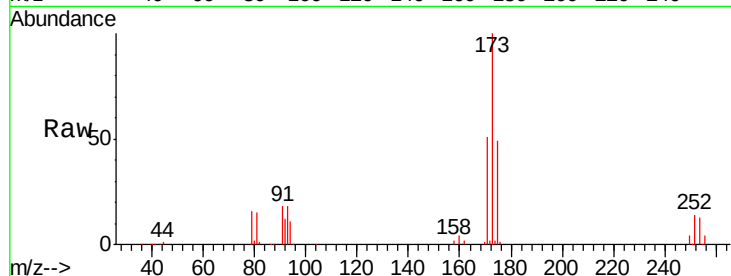
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

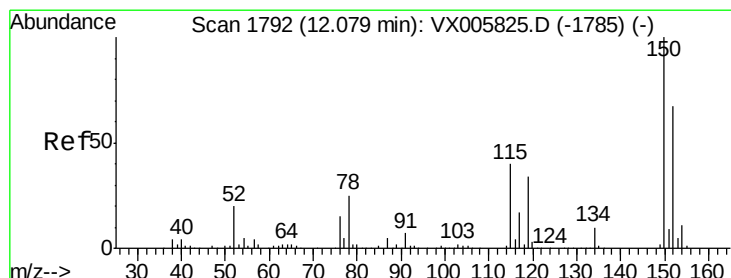
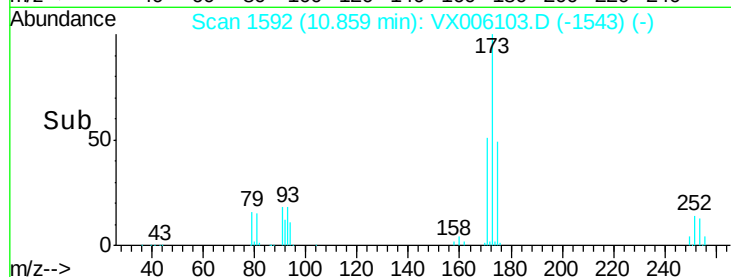
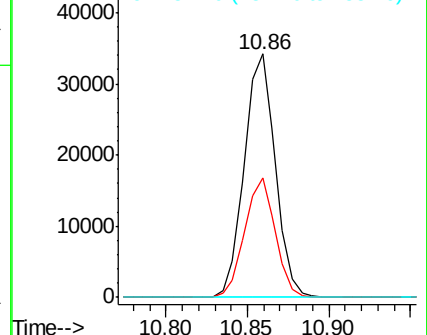
11/20/2018 9:59:55 AM



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# 1792

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

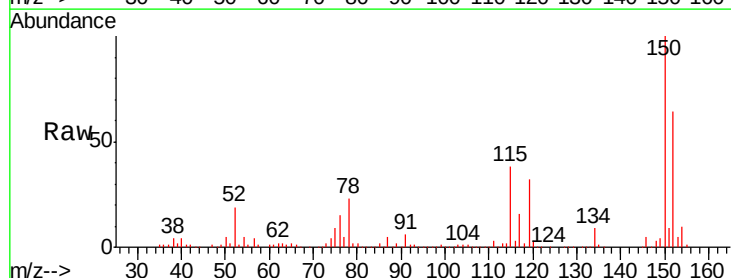
Tgt Ion:152 Resp: 90274

Ion Ratio Lower Upper

152 100

115 75.2 39.4 118.1

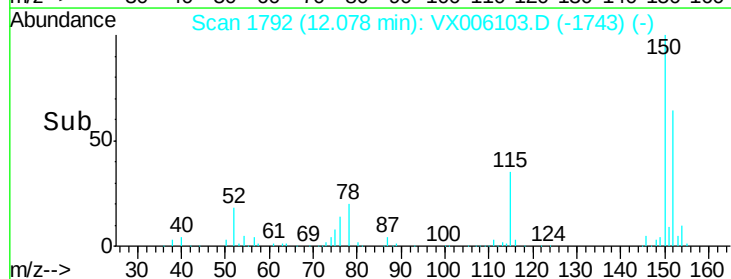
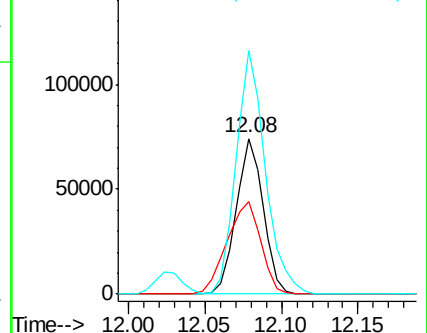
150 170.7 0.0 346.4

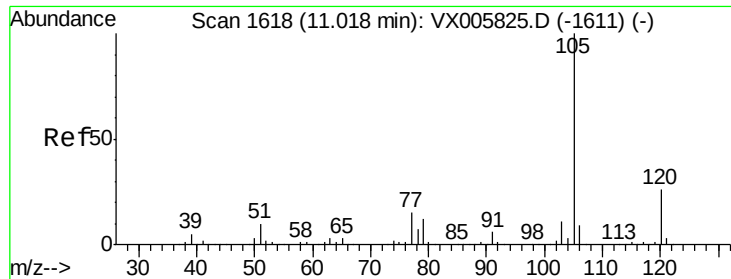


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





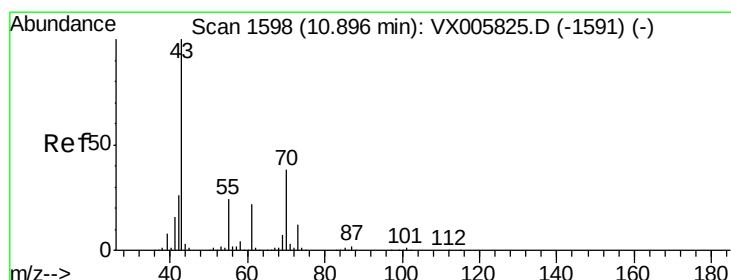
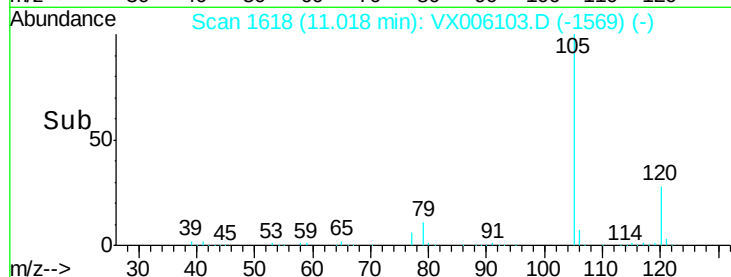
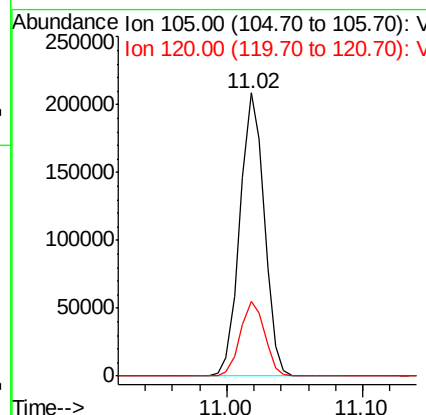
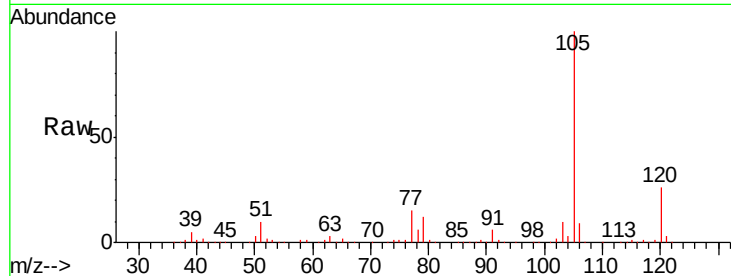
#73
Isopropylbenzene
Concen: 49.99 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

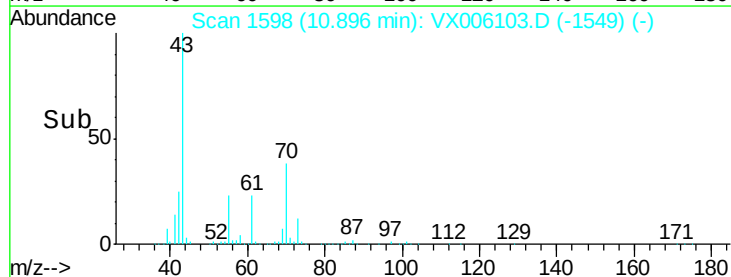
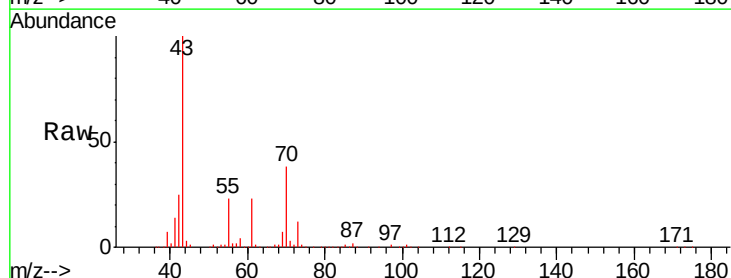
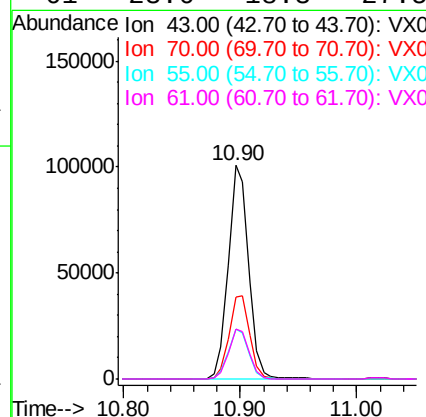
Manual Integrations
APPROVED

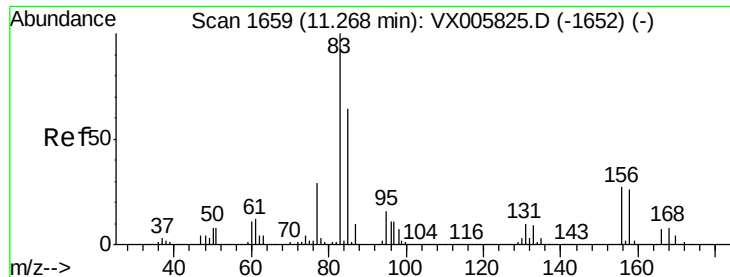
MMDadoda
11/20/2018 9:59:55 AM



#74
N-ethyl acetate
Concen: 41.38 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.2	31.6	47.4
55	23.9	19.7	29.5
61	23.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.50 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

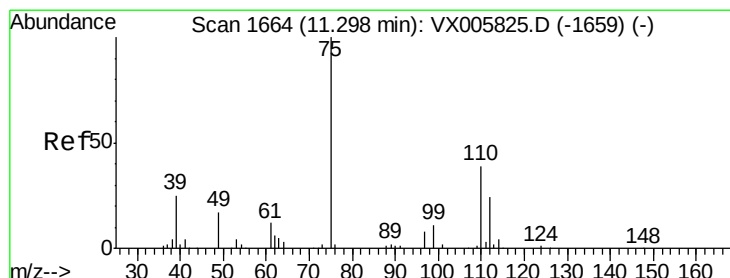
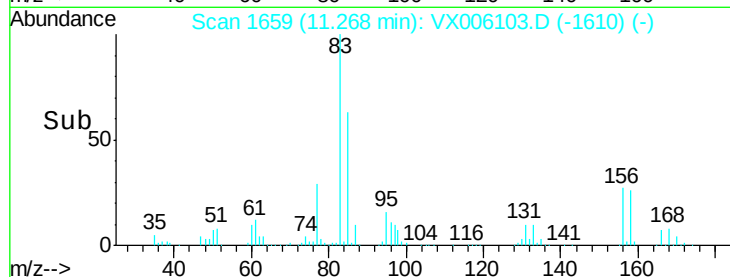
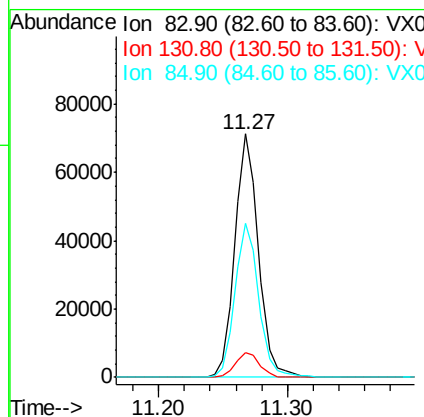
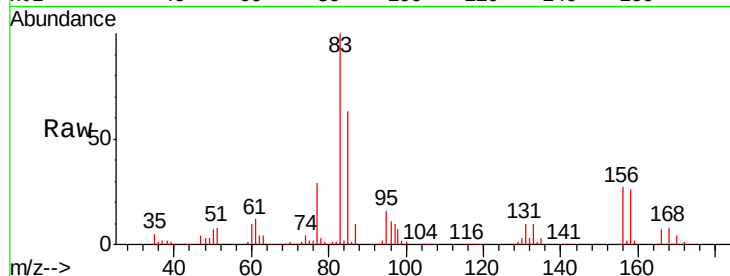
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	91020
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	63.9	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#76

1,2,3-Trichloropropane

Concen: 47.59 ug/l m

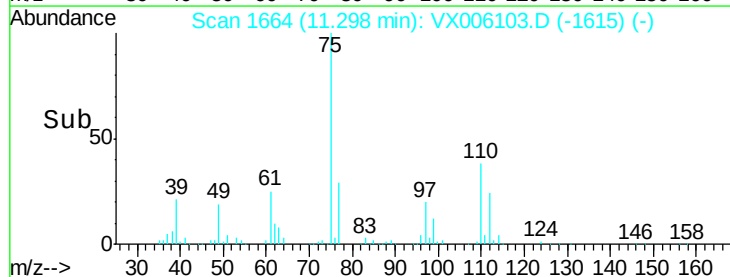
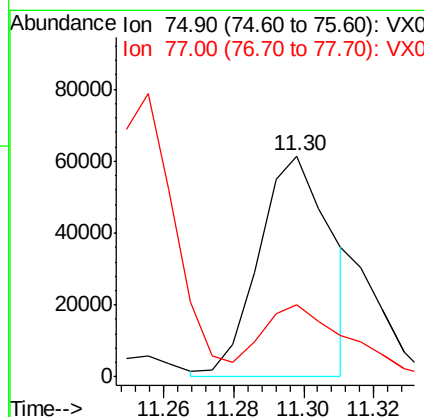
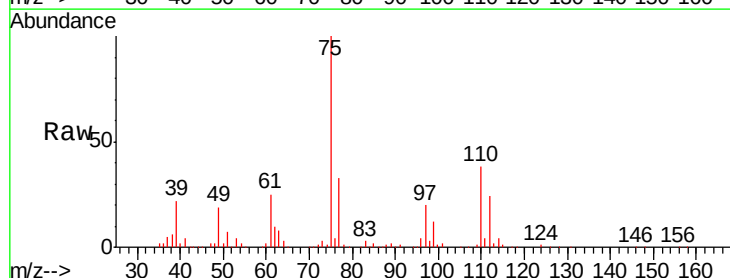
RT: 11.30 min Scan# 1664

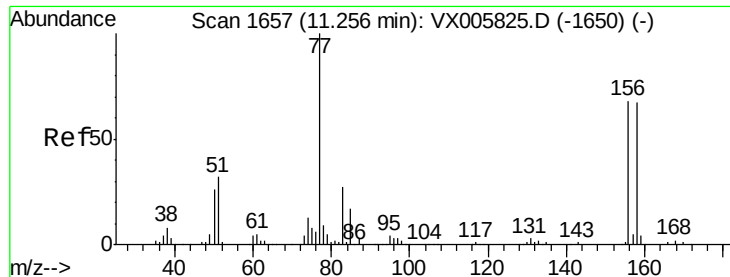
Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	75	Resp:	87478
Ion	Ratio	Lower	Upper
75	100		
77	38.8	20.5	61.6





#77

Bromobenzene

Concen: 47.04 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

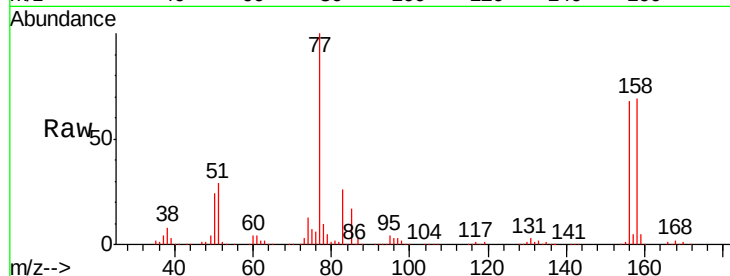
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	69217
Ion Ratio	Lower	Upper	
156	100		
77	147.6	74.8	224.4
158	98.3	49.1	147.3

Manual Integrations
APPROVED

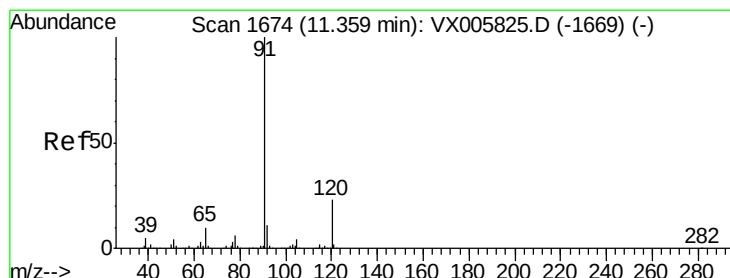
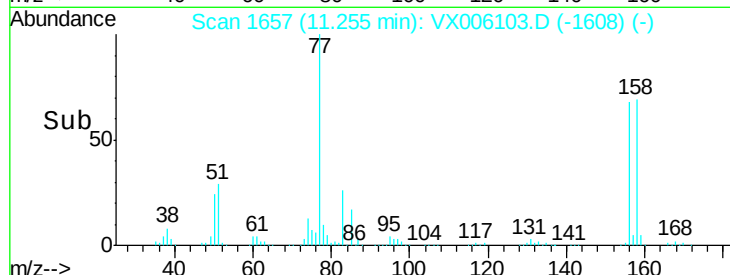
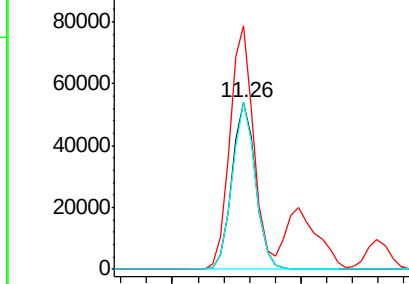
MMDadoda
11/20/2018 9:59:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.84 ug/l

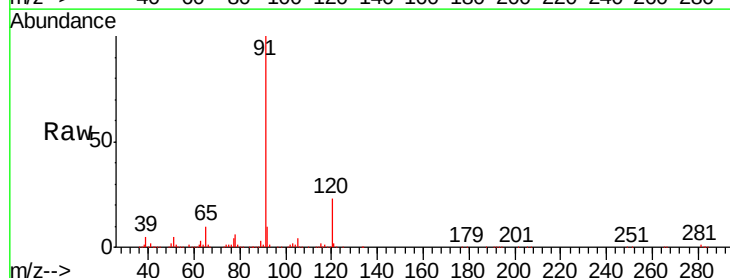
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006103.D

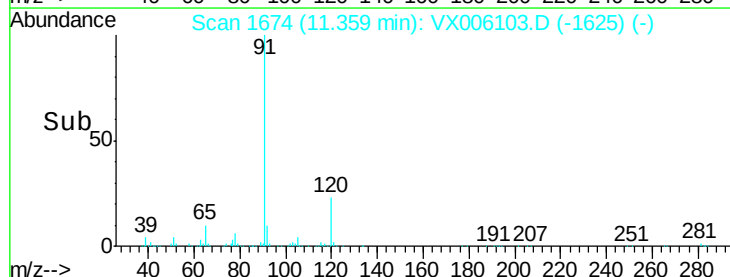
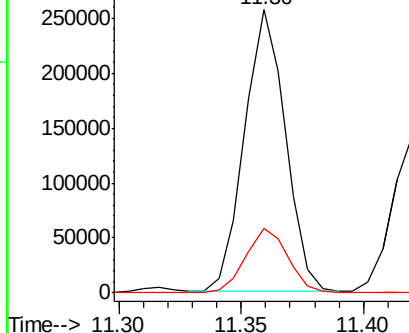
Acq: 19 Nov 2018 20:33

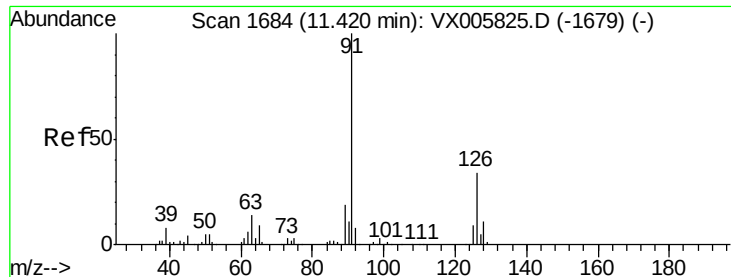
Tgt Ion:	91	Resp:	300481
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.83 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 177870

Ion Ratio Lower Upper

91 100

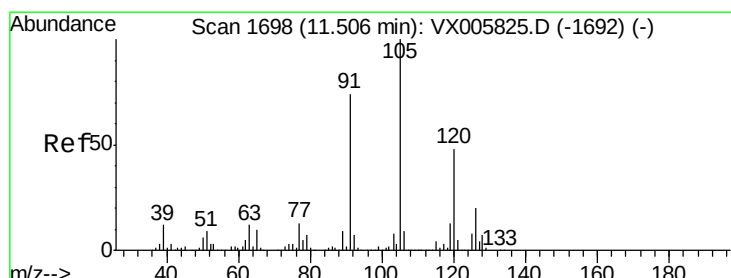
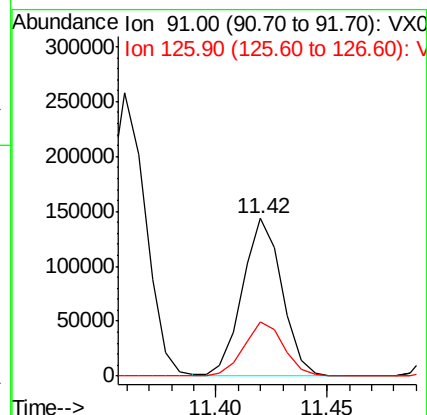
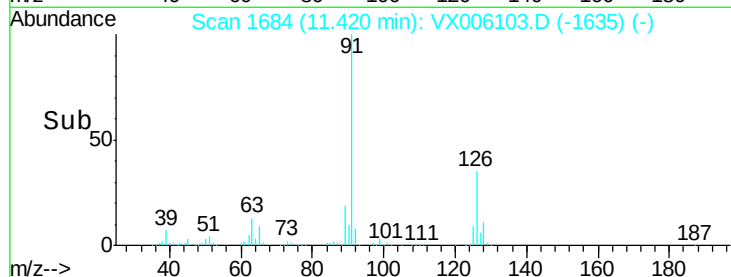
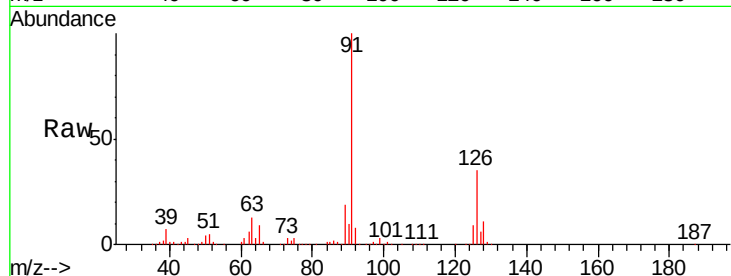
126 34.8 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.73 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006103.D

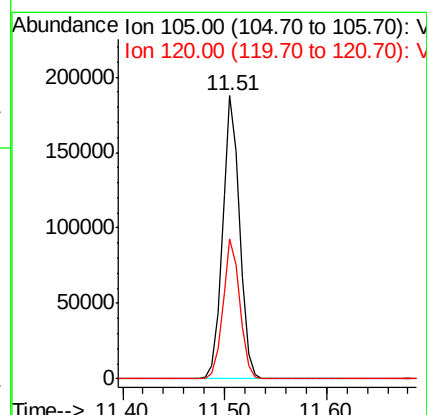
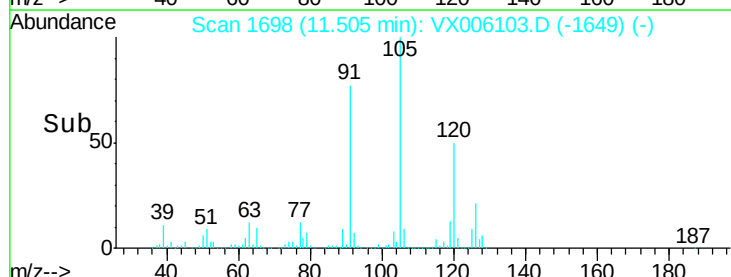
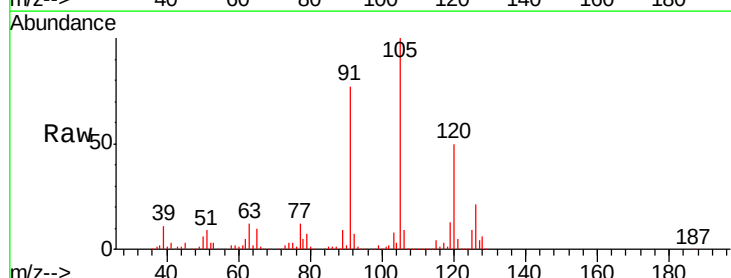
Acq: 19 Nov 2018 20:33

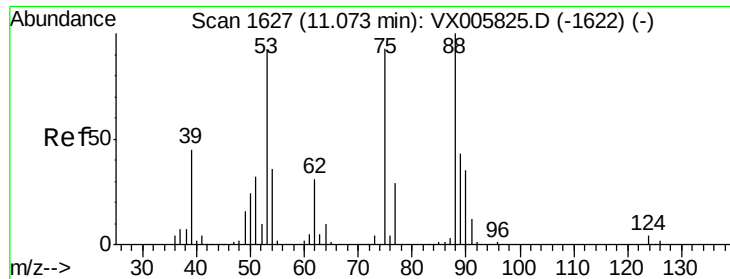
Tgt Ion: 105 Resp: 220599

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.98 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 26520

Ion Ratio Lower Upper

75 100

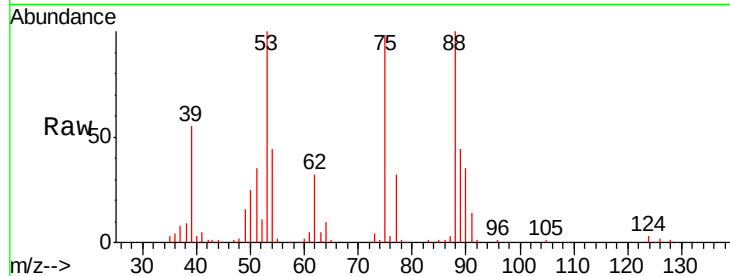
53 98.5 80.2 120.2

89 44.5 39.8 59.8

Manual Integrations
APPROVED

MMDadoda

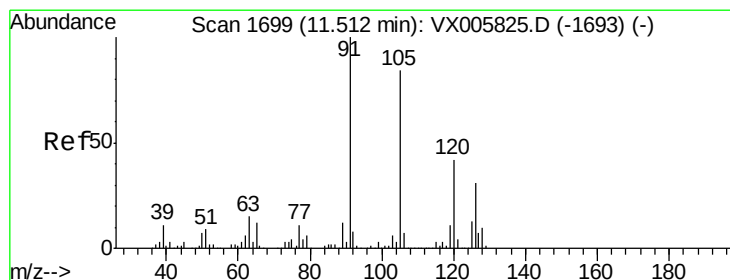
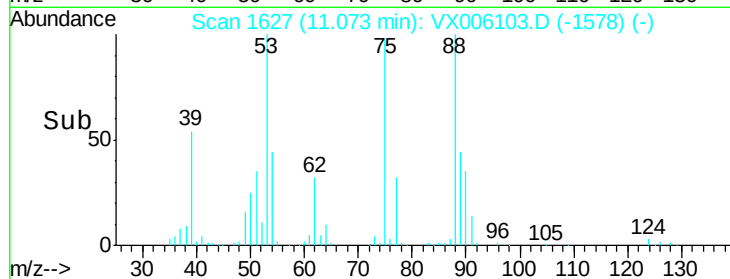
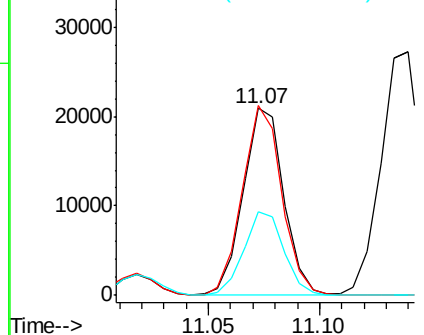
11/20/2018 9:59:55 AM



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: 47.95 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006103.D

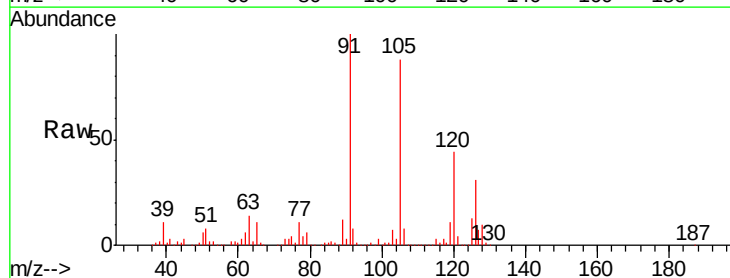
Acq: 19 Nov 2018 20:33

Tgt Ion: 91 Resp: 210166

Ion Ratio Lower Upper

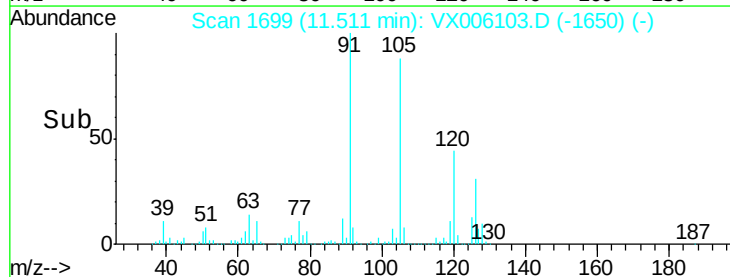
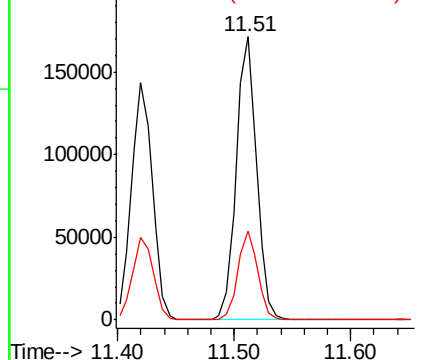
91 100

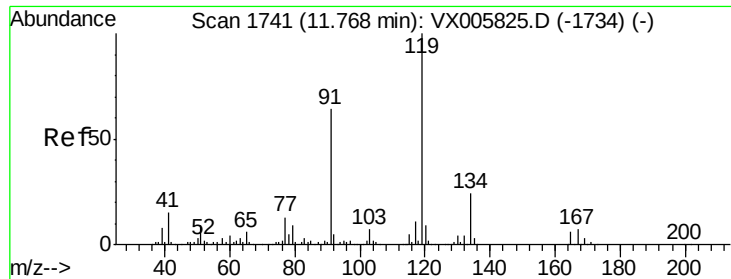
126 30.8 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





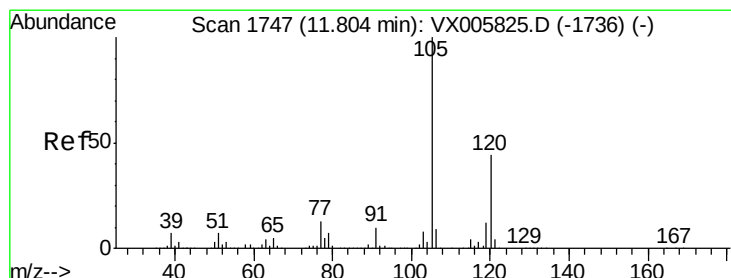
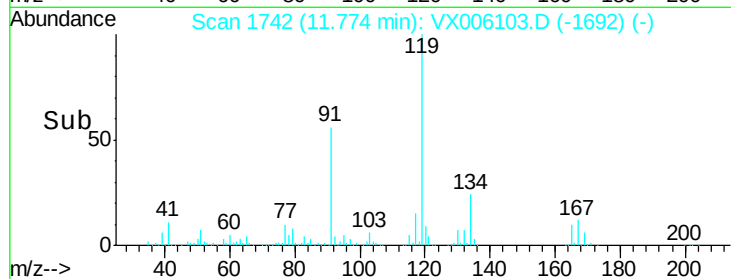
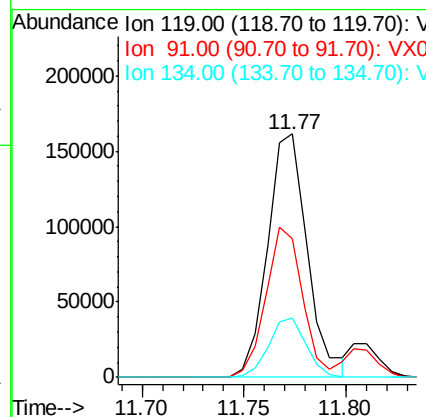
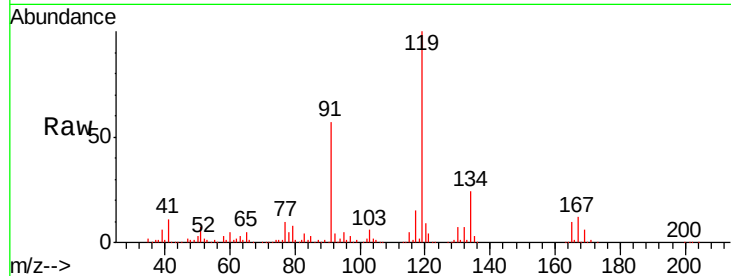
#83
 tert-Butylbenzene
 Concen: 48.88 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	219380		
91	56.8	28.5	85.5	
134	23.2	11.3	33.8	

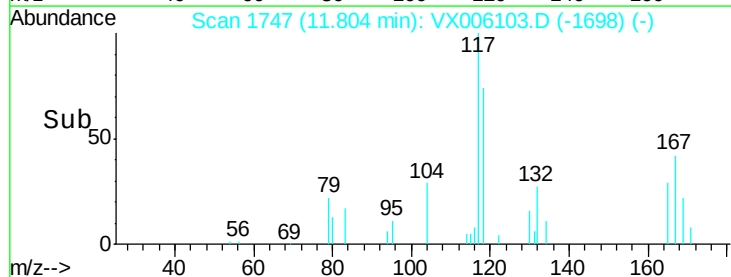
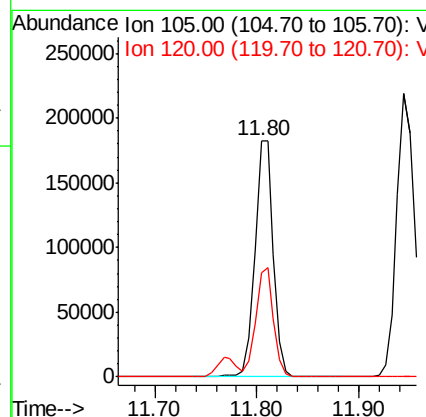
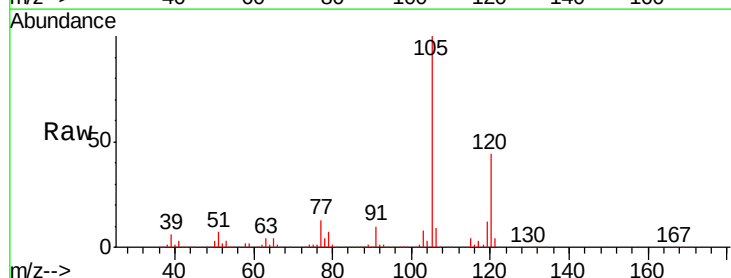
Manual Integrations
 APPROVED

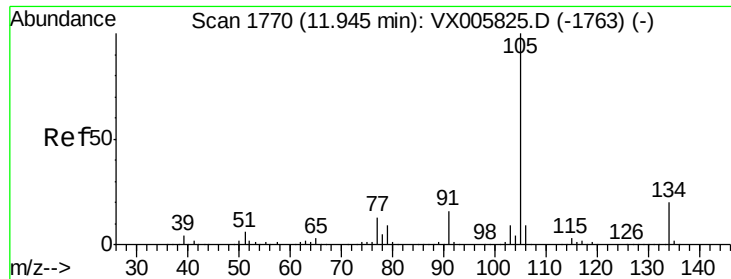
MMDadoda
 11/20/2018 9:59:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.05 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230398		
120	44.4	22.4	67.0	





#85

sec-Butylbenzene

Concen: 48.62 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 266861

Ion Ratio Lower Upper

105 100

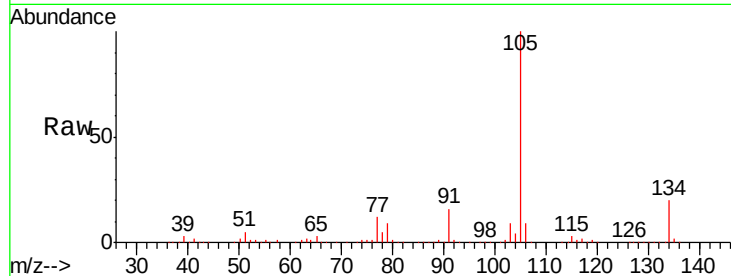
134 20.6 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

11/20/2018 9:59:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

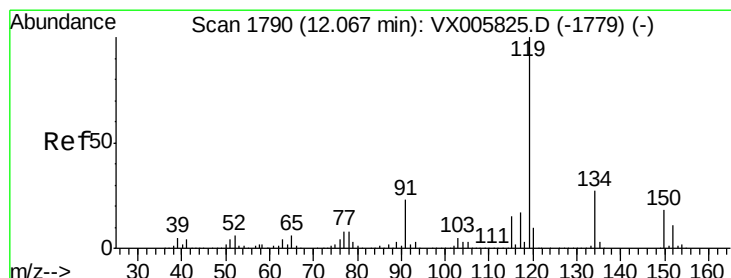
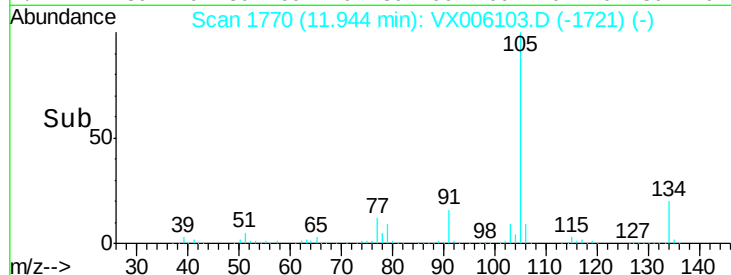
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.89 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

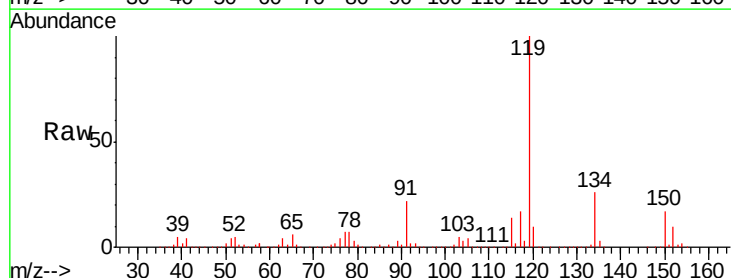
Tgt Ion:119 Resp: 242545

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 22.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

250000

200000

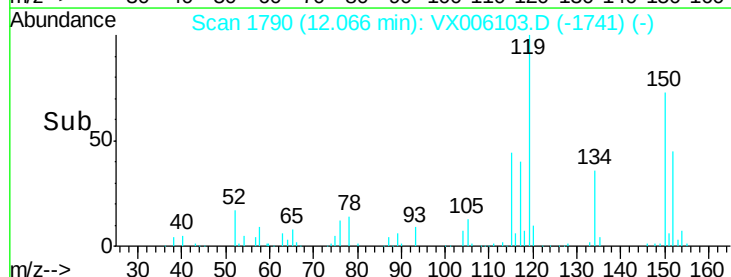
150000

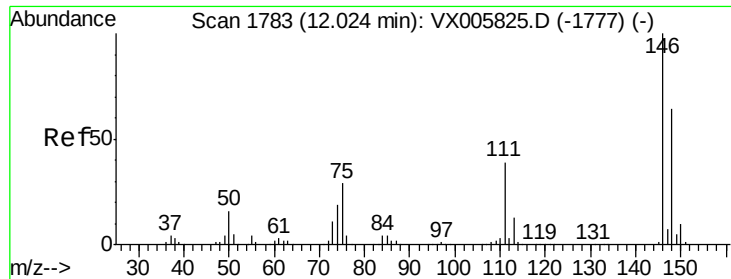
100000

50000

0

Time-->





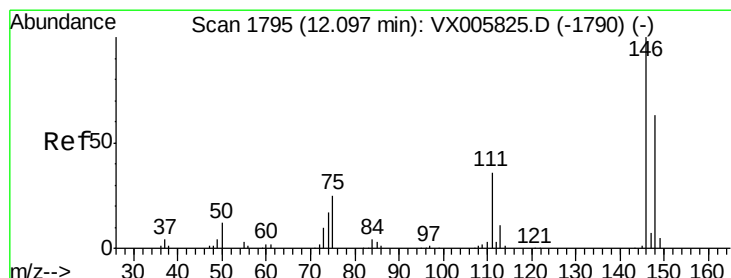
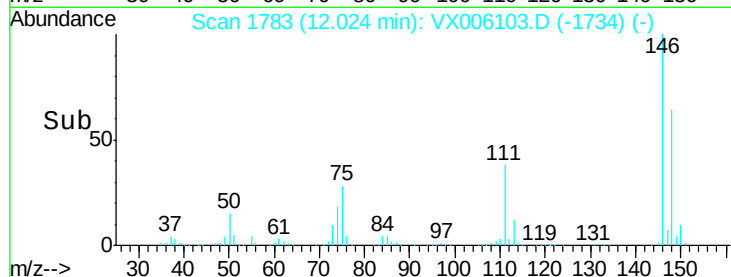
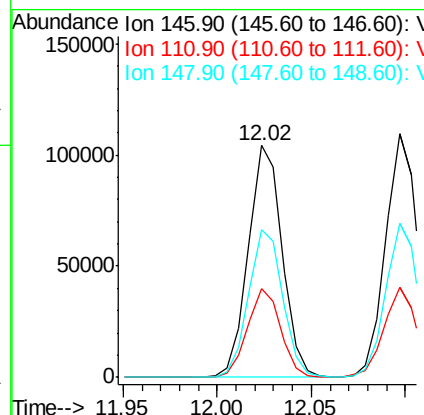
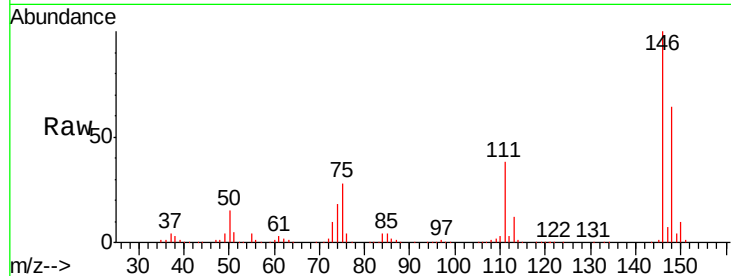
#87
 1,3-Dichlorobenzene
 Concen: 46.03 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.4	31.9	95.9

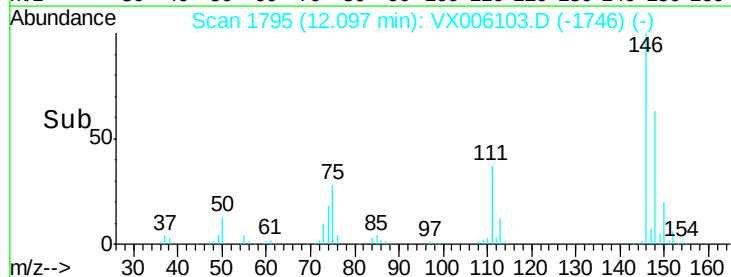
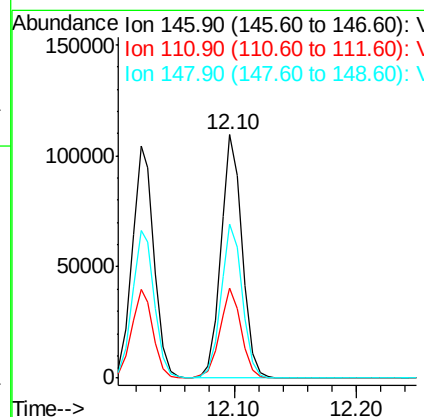
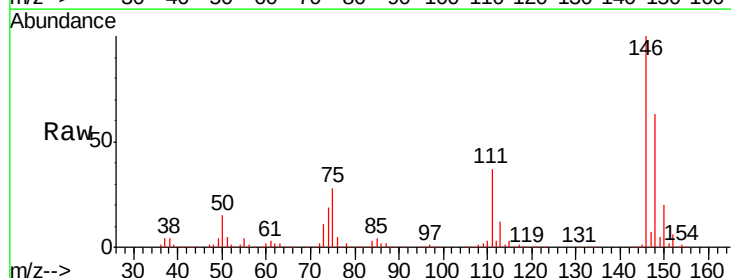
Manual Integrations
 APPROVED

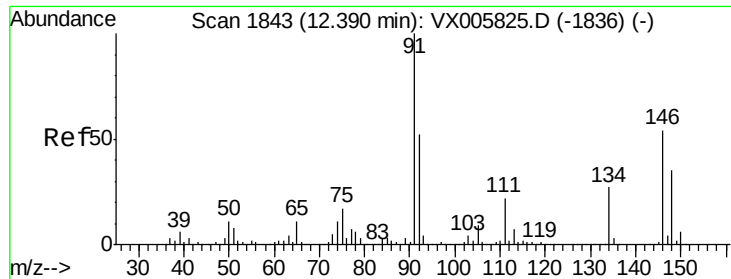
MMDadoda
 11/20/2018 9:59:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.80 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.7	32.1	96.3





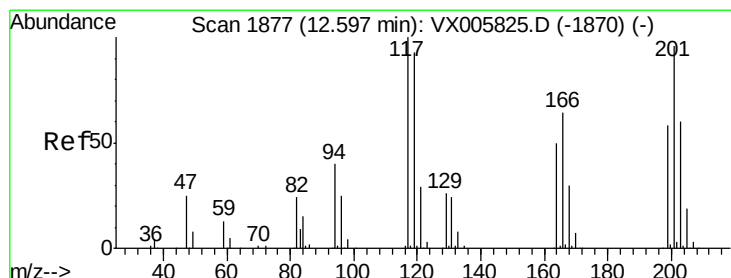
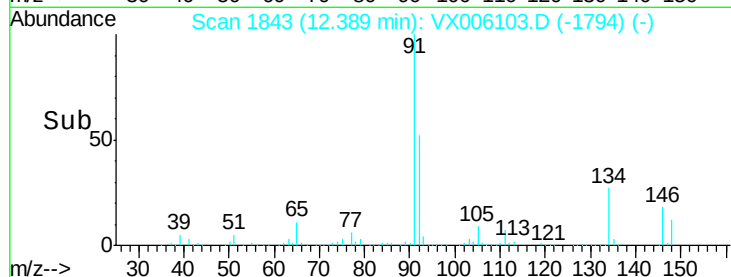
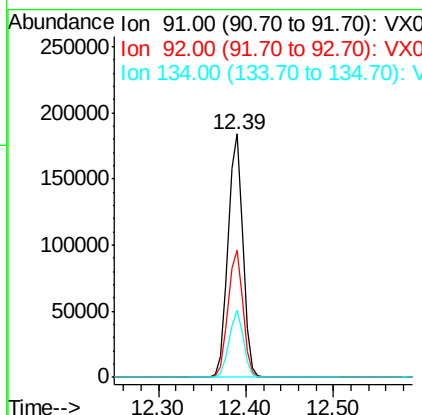
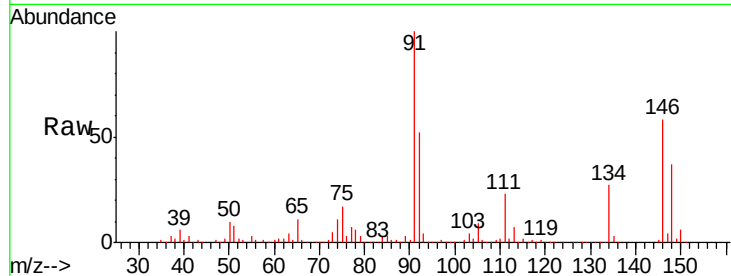
#89
n-Butylbenzene
Concen: 48.01 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 216316
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 26.6 13.1 39.3

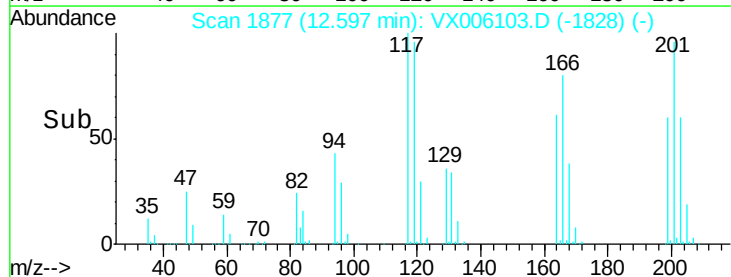
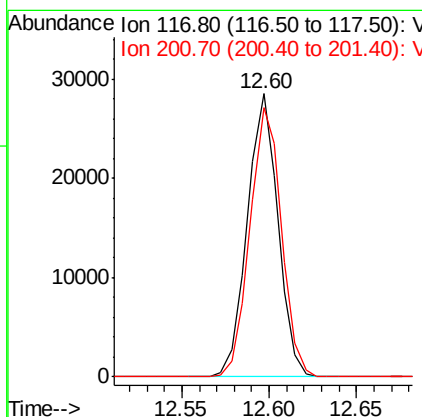
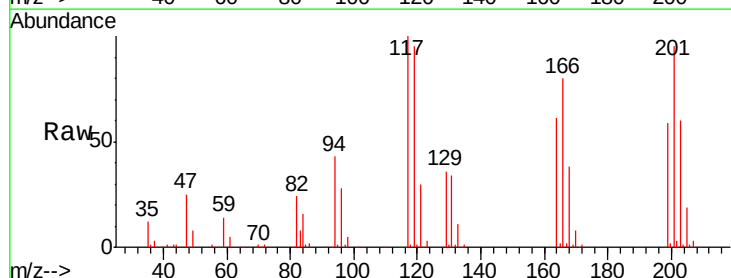
Manual Integrations
APPROVED

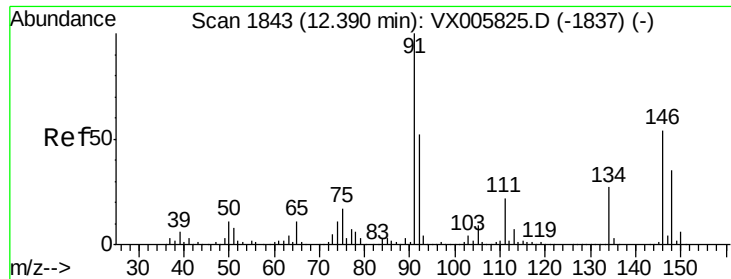
MMDadoda
11/20/2018 9:59:55 AM



#90
Hexachloroethane
Concen: 42.96 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 117 Resp: 34870
Ion Ratio Lower Upper
117 100
201 98.0 47.9 143.6





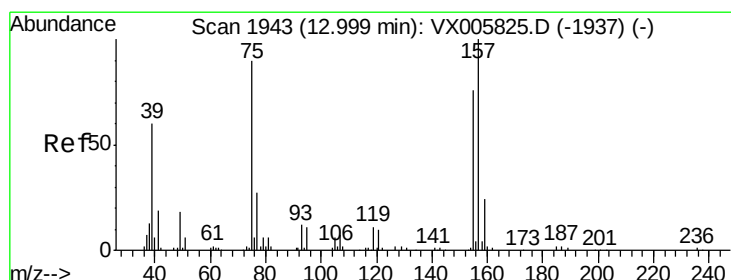
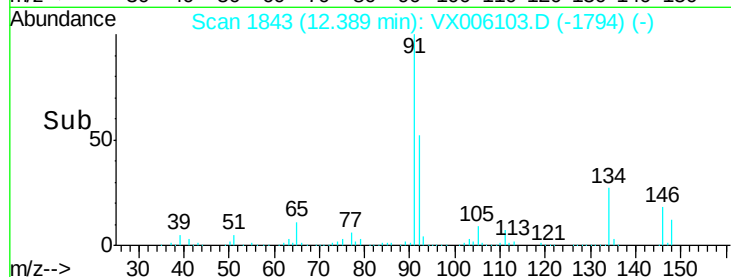
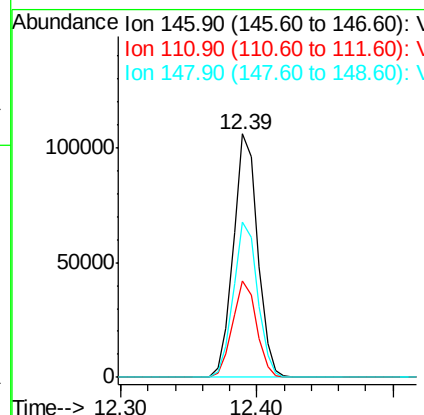
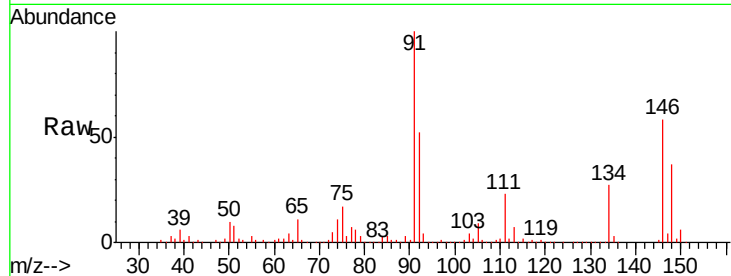
#91
 1,2-Dichlorobenzene
 Concen: 46.22 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.2	32.2	96.6

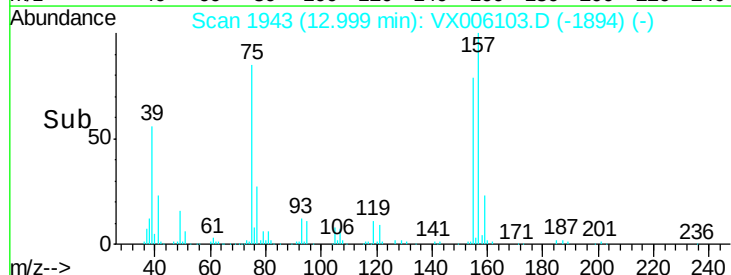
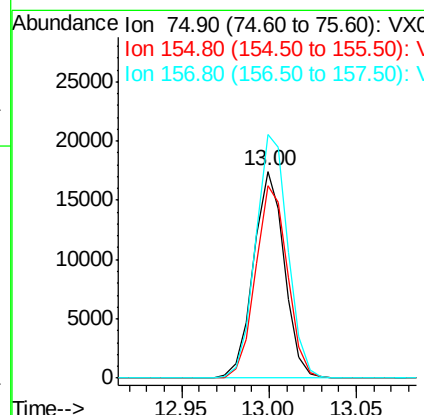
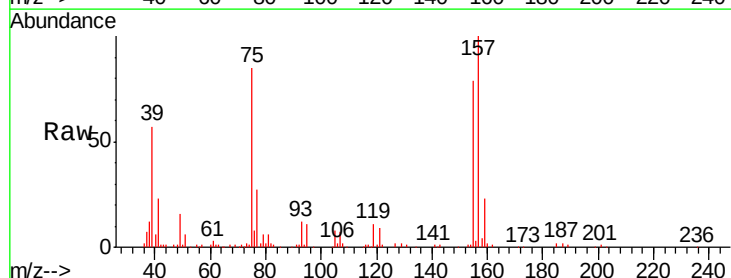
Manual Integrations
 APPROVED

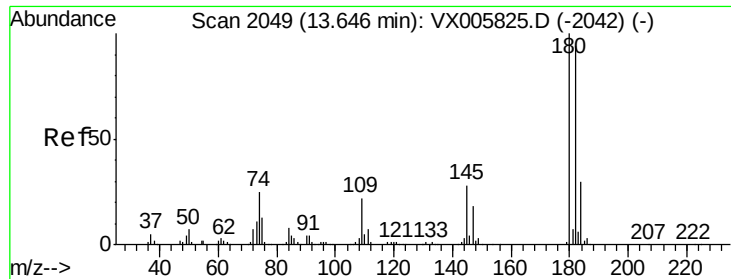
MMDadoda
 11/20/2018 9:59:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.93 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	45.4	136.1
157	123.3	57.4	172.0





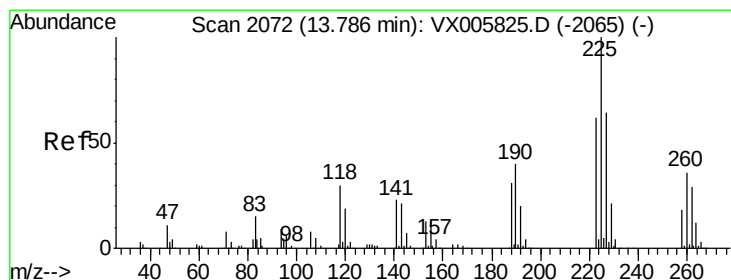
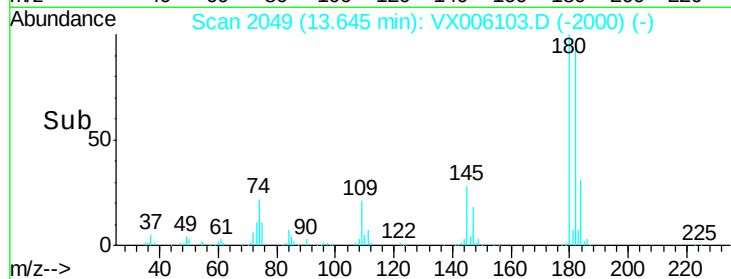
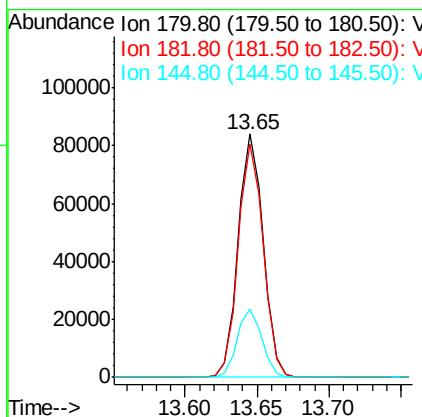
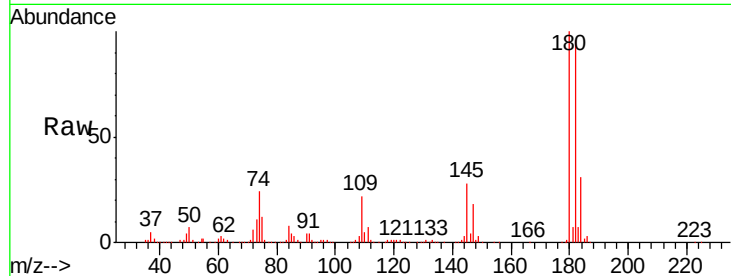
#93
 1,2,4-Trichlorobenzene
 Concen: 51.01 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101583		
182	96.3	47.6	142.8	
145	28.0	14.1	42.2	

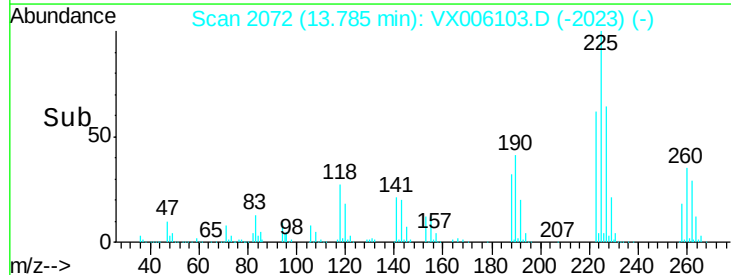
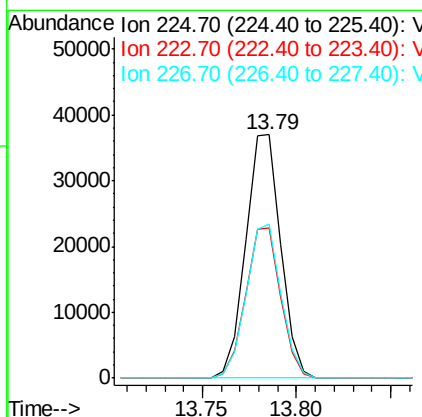
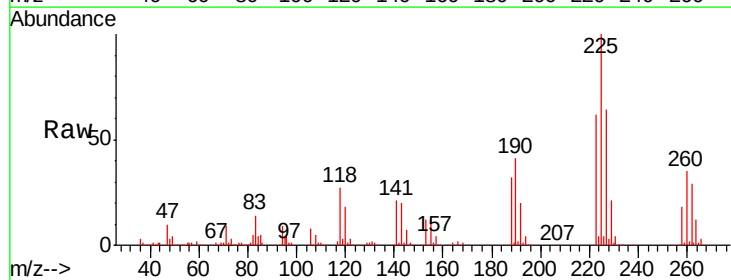
Manual Integrations
 APPROVED

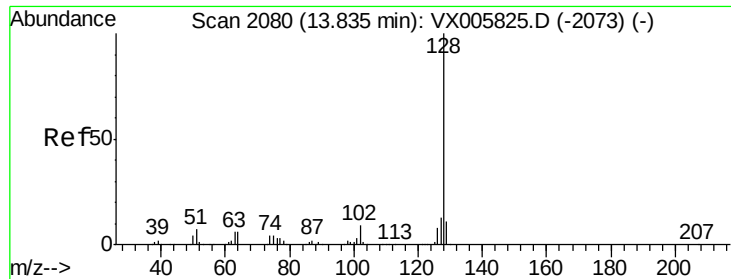
MMDadoda
 11/20/2018 9:59:55 AM



#94
 Hexachlorobutadiene
 Concen: 45.48 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47578		
223	61.6	31.7	95.1	
227	62.5	32.3	96.9	





#95

Naphthalene

Concen: 48.73 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

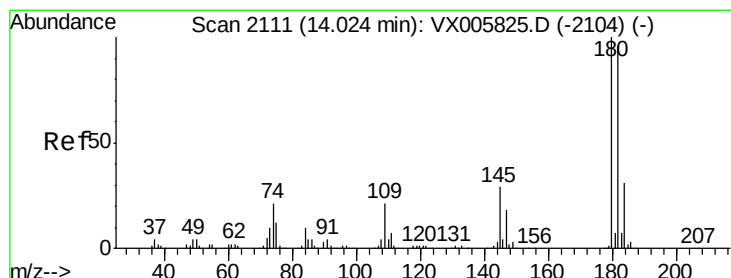
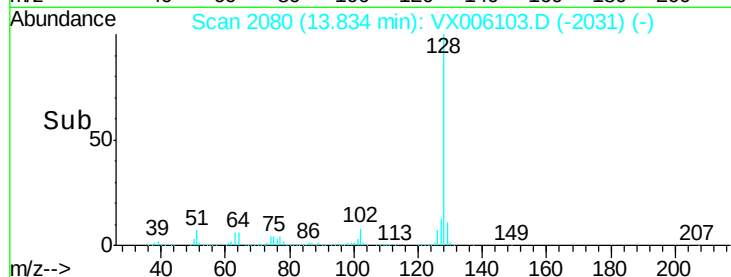
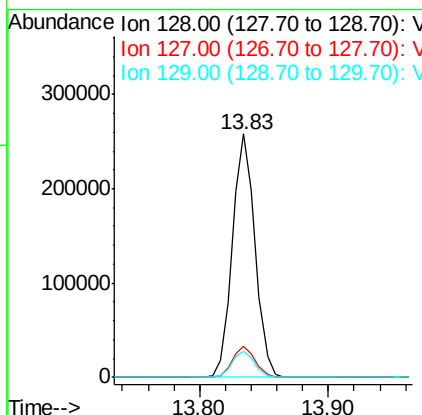
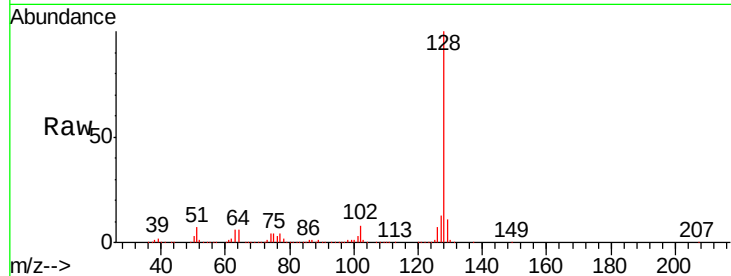
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	316289
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/20/2018 9:59:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.90 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion:	180	Resp:	103278
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.2
145	29.9	15.1	45.3

