

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003470.D
 Acq On : 19 Jul 2018 17:26
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:12 PM

Quant Time: Jul 20 04:10:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	344983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	465795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	441946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	191120	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	5.50	113	178003	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.72	98	682738	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	249547	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	139479	50.94	ug/l	98
3) Chloromethane	1.32	50	175965	51.88	ug/l	99
4) Vinyl Chloride	1.40	62	199057	45.42	ug/l	100
5) Bromomethane	1.64	94	94208	54.25	ug/l	98
6) Chloroethane	1.71	64	126888	48.93	ug/l	100
7) Trichlorofluoromethane	1.93	101	280565	47.99	ug/l	99
8) Diethyl Ether	2.18	74	118683	47.26	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	181936	47.54	ug/l	98
10) Methyl Iodide	2.51	142	187062	40.69	ug/l	93
11) Tert butyl alcohol	3.07	59	193662	239.66	ug/l	100
12) 1,1-Dichloroethene	2.37	96	167473	47.53	ug/l	89
13) Acrolein	2.29	56	80743	221.15	ug/l	99
14) Allyl chloride	2.73	41	304263	48.78	ug/l	86
15) Acrylonitrile	3.15	53	487231	236.83	ug/l	98
16) Acetone	2.45	43	357467	231.74	ug/l #	88
17) Carbon Disulfide	2.57	76	471141	49.44	ug/l	99
18) Methyl Acetate	2.78	43	234201	48.16	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	563507	48.98	ug/l	100
20) Methylene Chloride	2.85	84	190465	50.51	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	184669	47.10	ug/l	93
22) Diisopropyl ether	3.87	45	578986	49.33	ug/l	97
23) Vinyl Acetate	3.82	43	2427278	251.06	ug/l	95
24) 1,1-Dichloroethane	3.70	63	332276	48.25	ug/l	99
25) 2-Butanone	4.71	43	648581	250.61	ug/l	99
26) 2,2-Dichloropropane	4.58	77	264697	50.61	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	218864	50.14	ug/l	95
28) Bromochloromethane	5.02	49	144740	48.09	ug/l	86
29) Tetrahydrofuran	5.16	42	416136	243.41	ug/l	91
30) Chloroform	5.21	83	329169	48.95	ug/l	96
31) Cyclohexane	5.58	56	304305	49.46	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	283609	49.25	ug/l	97
36) 1,1-Dichloropropene	5.80	75	257241	51.15	ug/l	97
37) Ethyl Acetate	4.86	43	249895	52.51	ug/l	96
38) Carbon Tetrachloride	5.78	117	258593	52.42	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003470.D
 Acq On : 19 Jul 2018 17:26
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:12 PM

Quant Time: Jul 20 04:10:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	315823	53.02	ug/l	93
40) Benzene	6.14	78	764382	50.34	ug/l	100
41) Methacrylonitrile	5.06	41	140221	50.13	ug/l	91
42) 1,2-Dichloroethane	6.20	62	241845	50.55	ug/l	94
43) Isopropyl Acetate	6.46	43	384815	50.83	ug/l #	92
44) Trichloroethene	7.21	130	228215	50.40	ug/l	98
45) 1,2-Dichloropropane	7.52	63	196453	50.95	ug/l	99
46) Dibromomethane	7.67	93	127322	51.30	ug/l	94
47) Bromodichloromethane	7.90	83	240717	52.97	ug/l	98
48) Methyl methacrylate	7.77	41	197776	51.81	ug/l #	82
49) 1,4-Dioxane	7.76	88	87619	1012.96	ug/l #	94
51) 4-Methyl-2-Pentanone	8.65	43	1250863	261.55	ug/l	91
52) Toluene	8.79	92	492451	51.52	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	304793	54.50	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	275537	54.78	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	195223	51.33	ug/l	97
56) Ethyl methacrylate	9.18	69	291773	54.47	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	319056	51.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	680275	261.17	ug/l	96
59) 2-Hexanone	9.50	43	933642	263.49	ug/l	88
60) Dibromochloromethane	9.59	129	204188	54.24	ug/l	100
61) 1,2-Dibromoethane	9.68	107	203462	51.61	ug/l	99
64) Tetrachloroethene	9.34	164	267874	49.75	ug/l	99
65) Chlorobenzene	10.14	112	565216	49.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	200129	51.08	ug/l	98
67) Ethyl Benzene	10.26	91	942857	51.50	ug/l	99
68) m/p-Xylenes	10.36	106	748918	104.34	ug/l	95
69) o-Xylene	10.70	106	357507	51.51	ug/l	96
70) Styrene	10.71	104	604267	52.93	ug/l	97
71) Bromoform	10.86	173	161913	53.19	ug/l #	99
73) Isopropylbenzene	11.02	105	961608	50.53	ug/l	99
74) N-amyl acetate	6.46	43	384815	47.62	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	272086	48.79	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	284856m	57.62	ug/l	
77) Bromobenzene	11.26	156	265166	48.45	ug/l	96
78) n-propylbenzene	11.36	91	1087372	51.40	ug/l	98
79) 2-Chlorotoluene	11.42	91	639629	49.81	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	811643	51.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	85179	48.99	ug/l	87
82) 4-Chlorotoluene	11.51	91	753910	50.10	ug/l	98
83) tert-Butylbenzene	11.77	119	775322	50.62	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	825618	51.88	ug/l	97
85) sec-Butylbenzene	11.95	105	954209	51.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	872016	52.23	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	488148	48.52	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	489825	47.26	ug/l	99
89) n-Butylbenzene	12.39	91	744724	52.53	ug/l	98
90) Hexachloroethane	12.60	117	123529	52.05	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	479773	48.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54673	50.38	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003470.D
Acq On : 19 Jul 2018 17:26
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

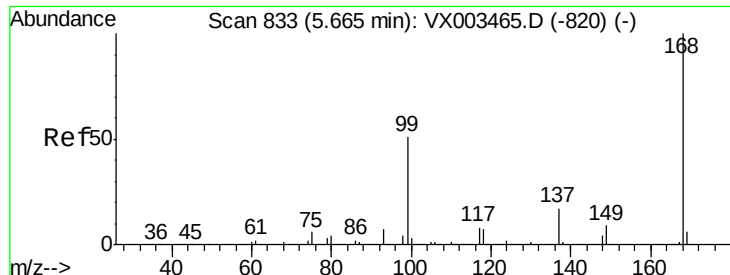
Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM

Quant Time: Jul 20 04:10:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	360723	49.63	ug/l	99
94) Hexachlorobutadiene	13.79	225	175468	50.20	ug/l	99
95) Naphthalene	13.83	128	988106	51.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	356915	49.61	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion:168 Resp: 344983

Ion Ratio Lower Upper

168 100

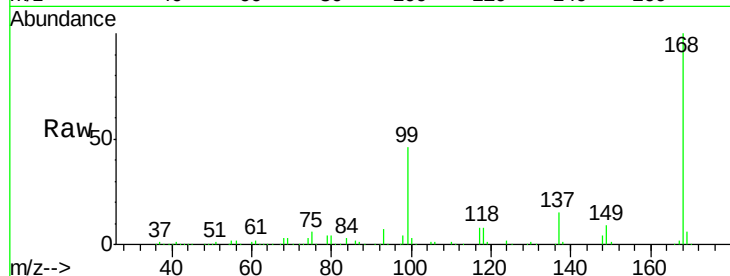
99 46.2 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

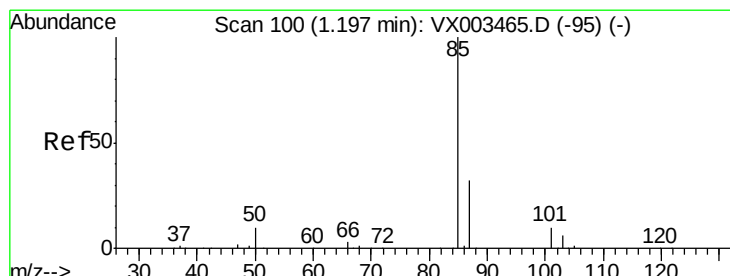
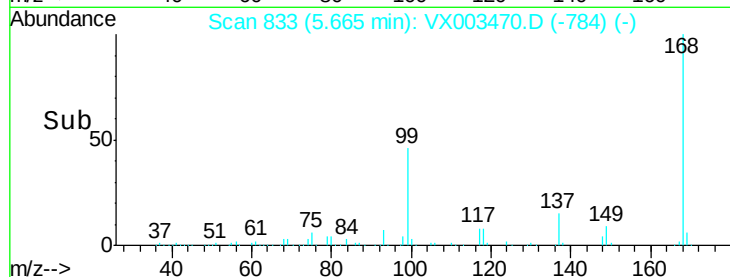
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003470.D

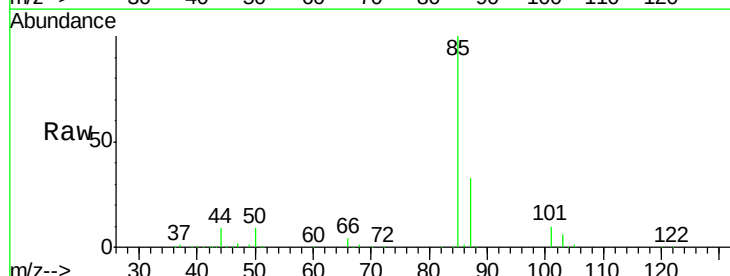
Acq: 19 Jul 2018 17:26

Tgt Ion: 85 Resp: 139479

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

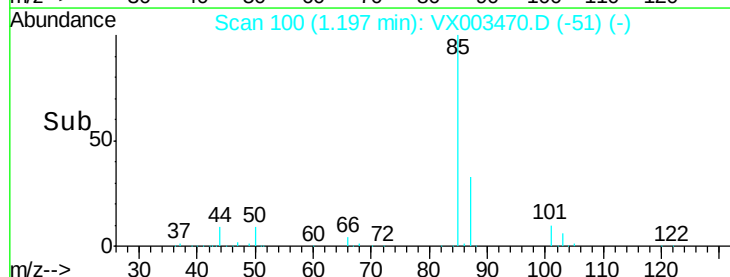
150000

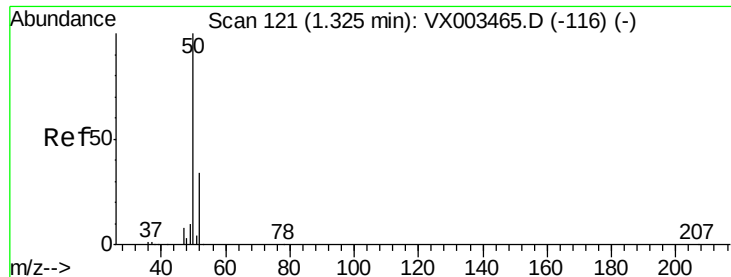
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 50 Resp: 175965

Ion Ratio Lower Upper

50 100

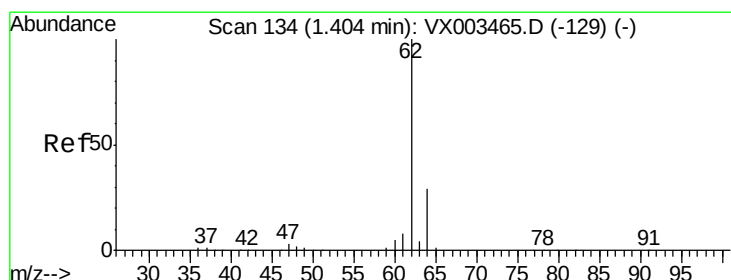
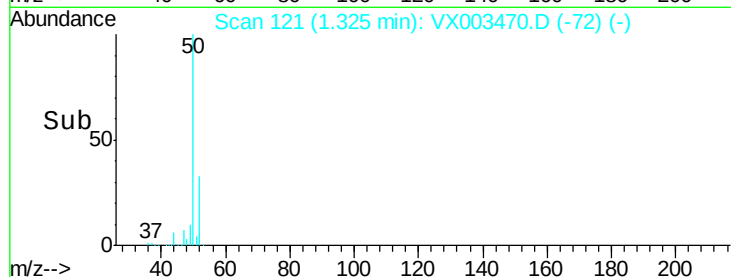
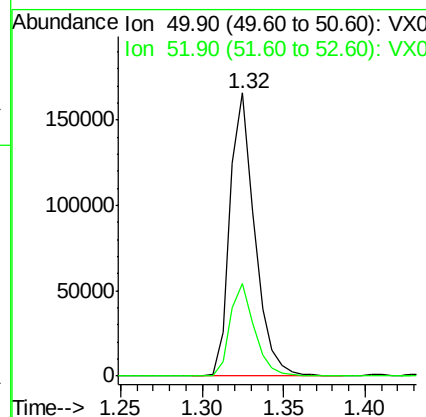
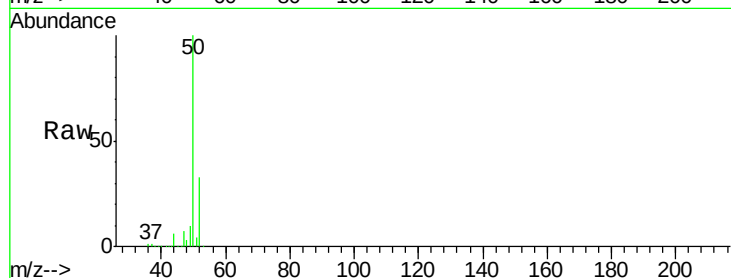
52 32.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#4

Vinyl Chloride

Concen: 45.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003470.D

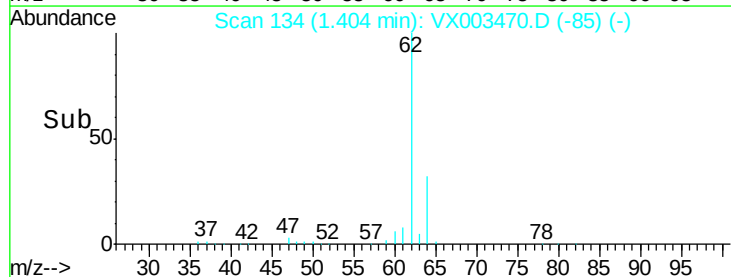
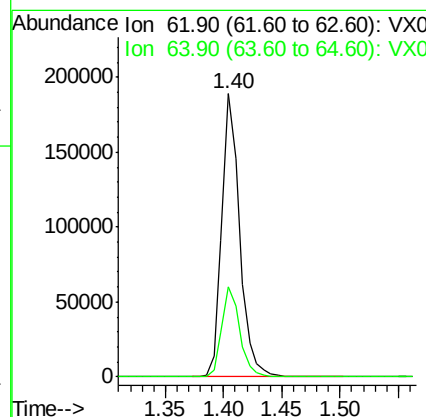
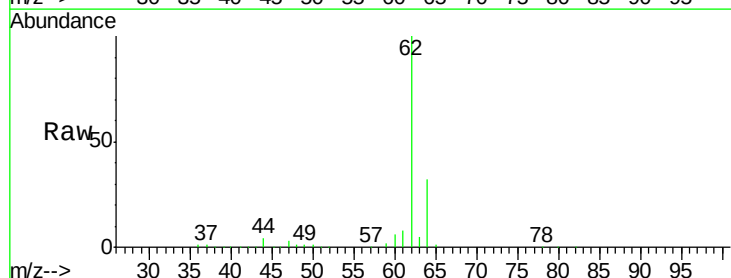
Acq: 19 Jul 2018 17:26

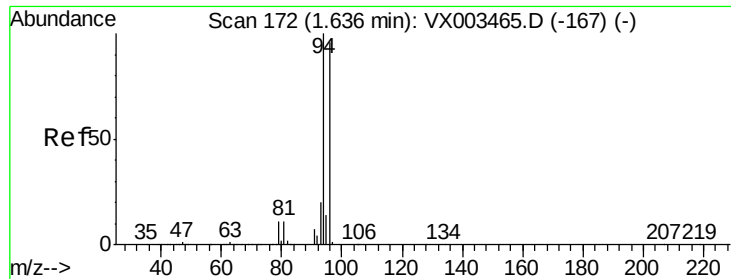
Tgt Ion: 62 Resp: 199057

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 54.25 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 94 Resp: 94208

Ion Ratio Lower Upper

94 100

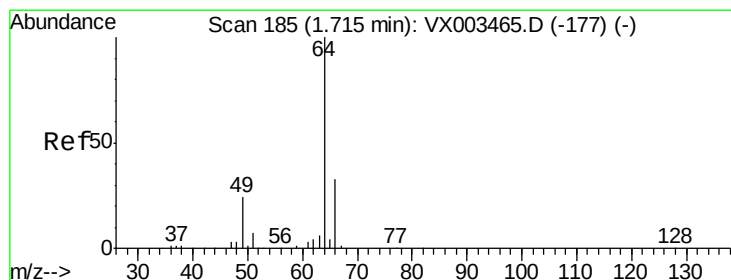
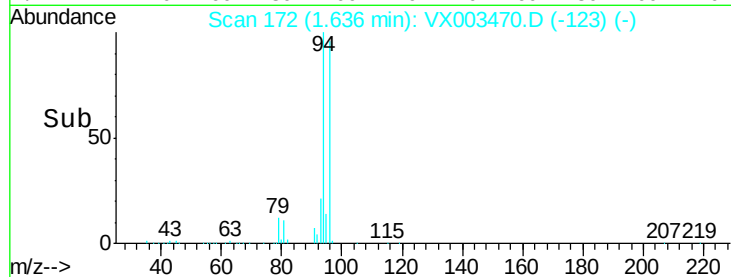
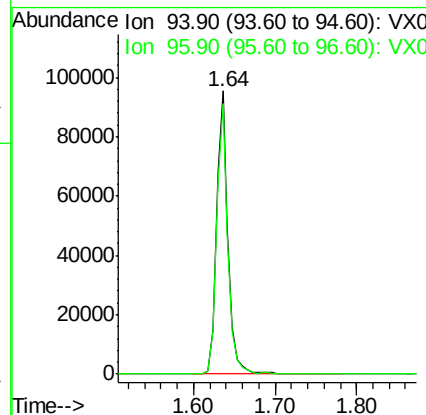
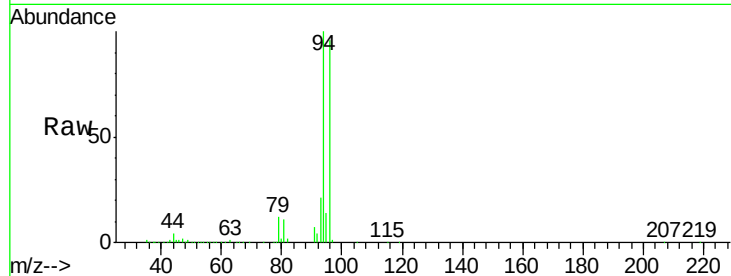
96 95.6 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#6

Chloroethane

Concen: 48.93 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX003470.D

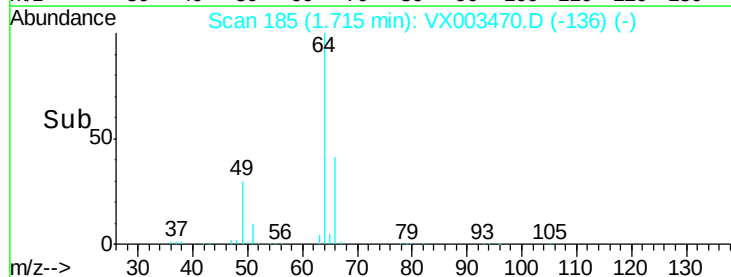
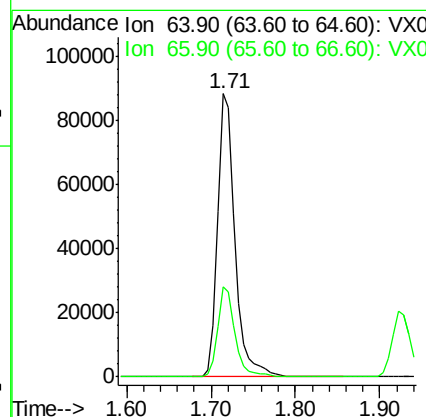
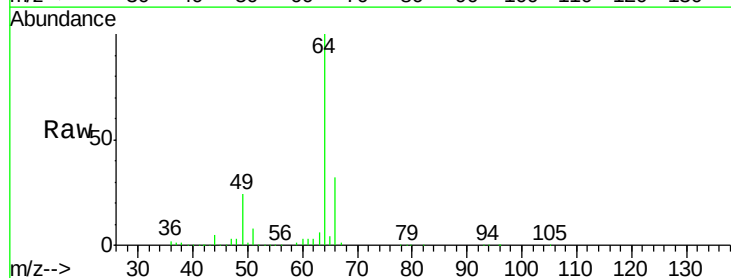
Acq: 19 Jul 2018 17:26

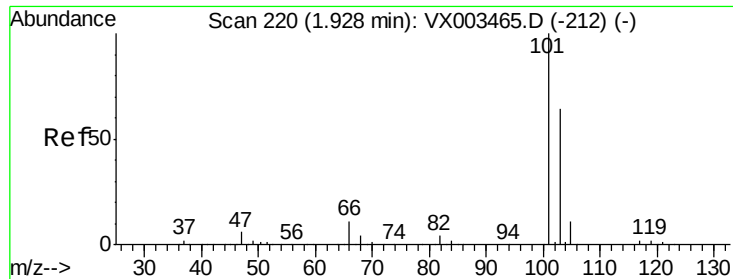
Tgt Ion: 64 Resp: 126888

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

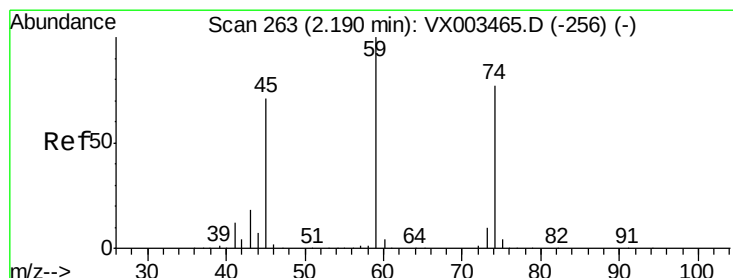
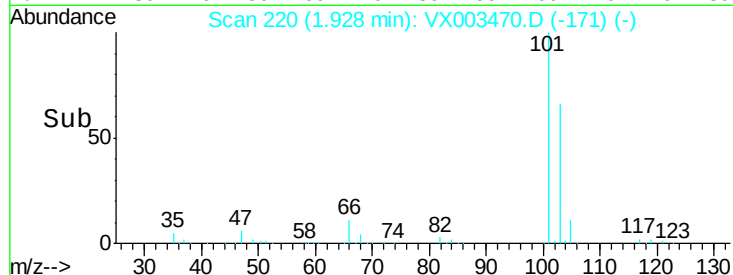
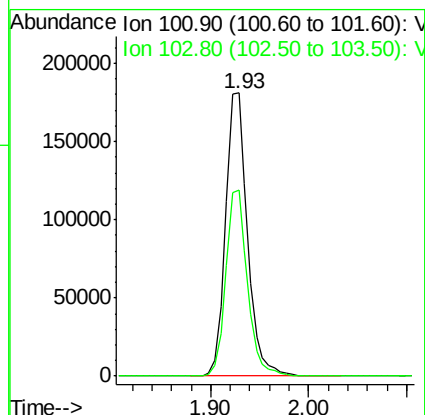
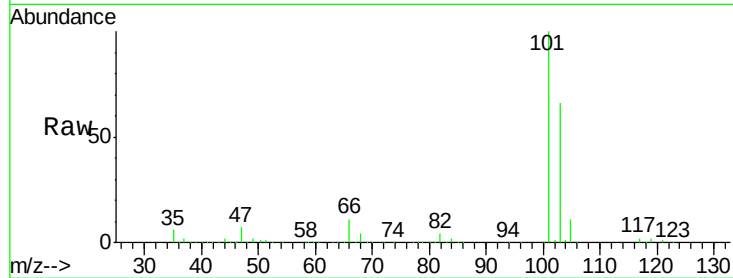
Trichlorofluoromethane
 Concen: 47.99 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.8	79.2

Manual Integrations
 APPROVED

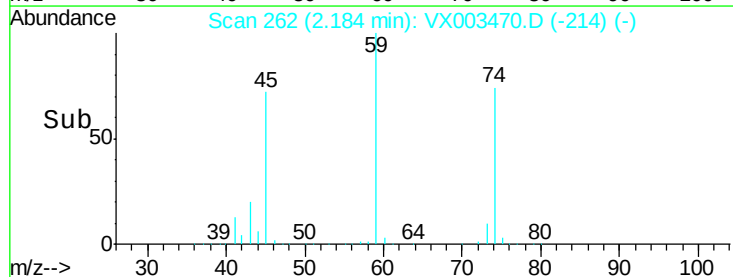
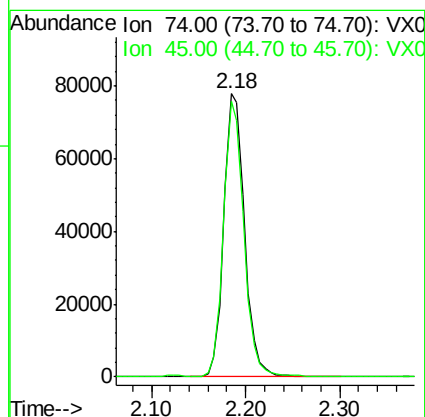
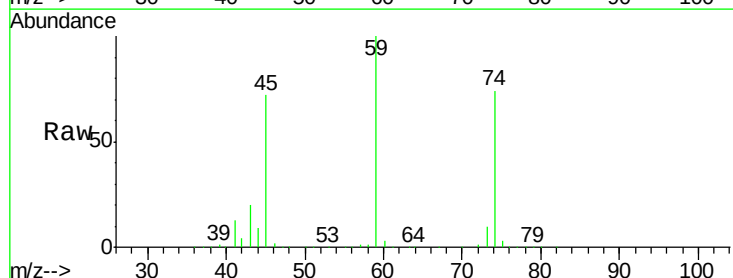
MMDadoda
 7/20/2018 5:22:12 PM

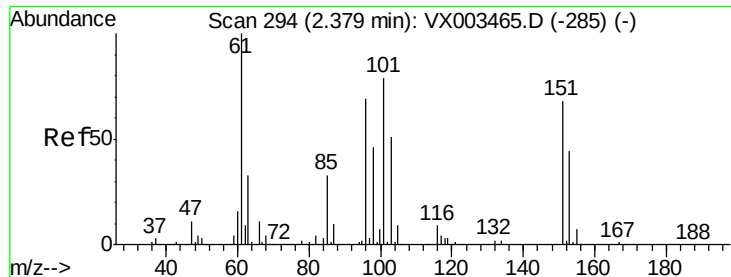


#8

Diethyl Ether
 Concen: 47.26 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.54 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

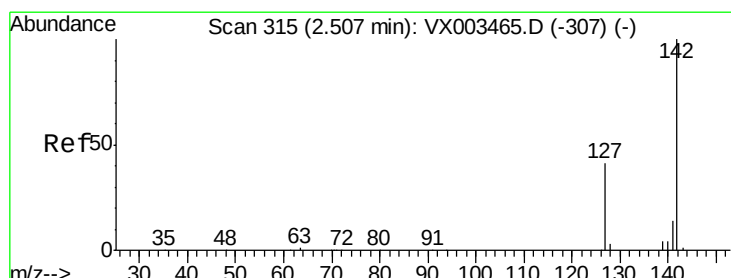
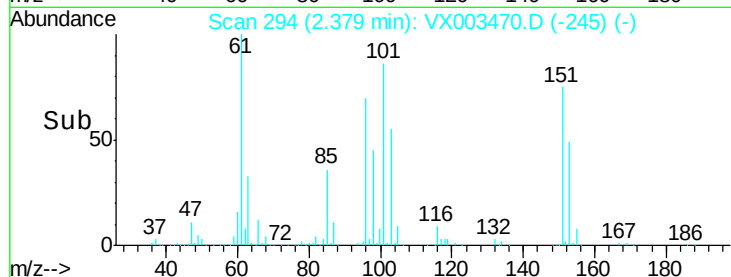
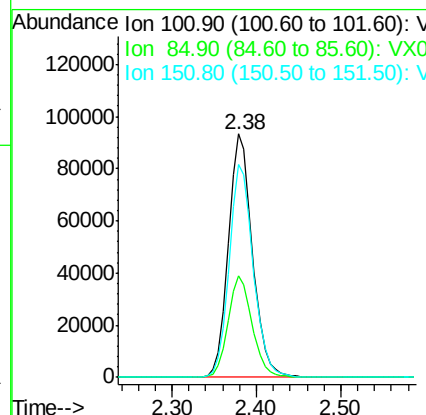
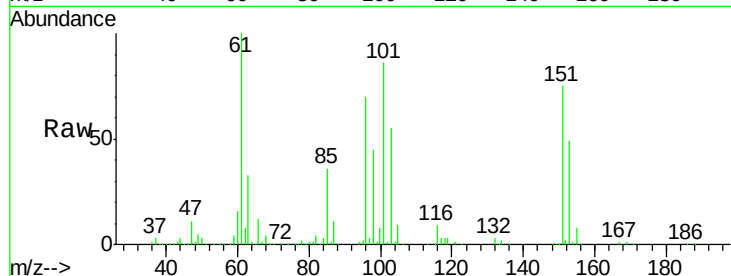
ClientSampleId :

ICVVX071918

Tot Ion:	101	Resp:	181936
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	87.8	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#10

Methyl Iodide

Concen: 40.69 ug/l

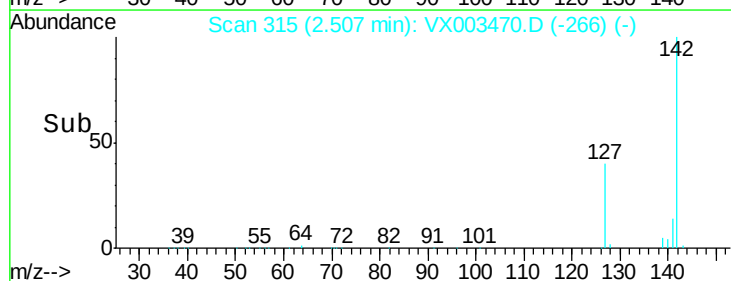
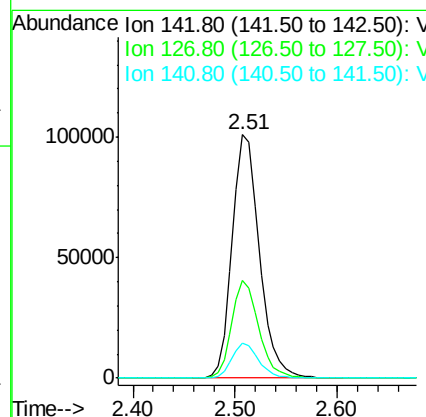
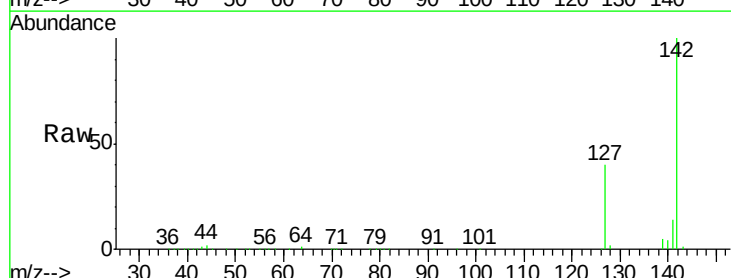
RT: 2.51 min Scan# 315

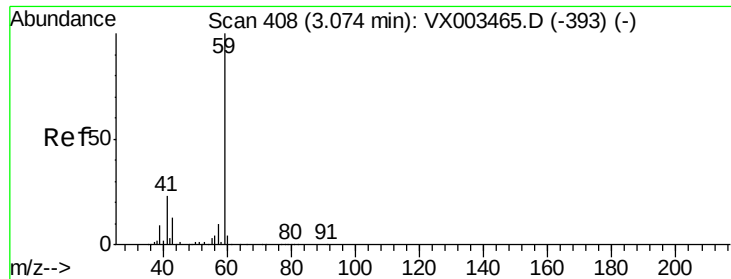
Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion:	142	Resp:	187062
Ion Ratio	Lower	Upper	
142	100		
127	39.6	36.6	55.0
141	14.2	11.3	16.9





#11

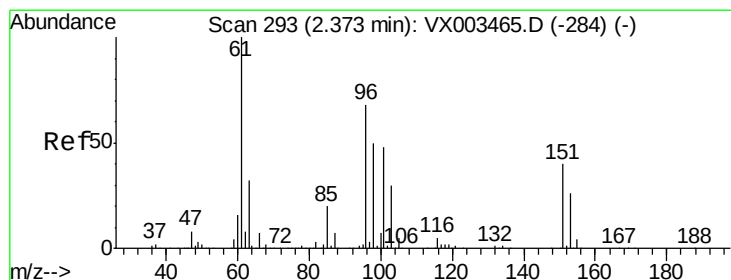
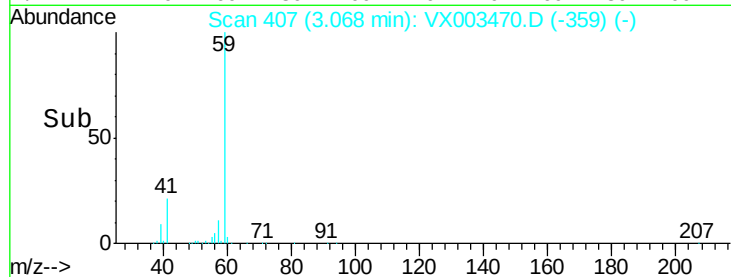
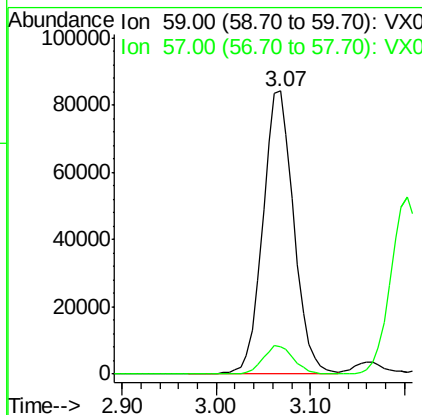
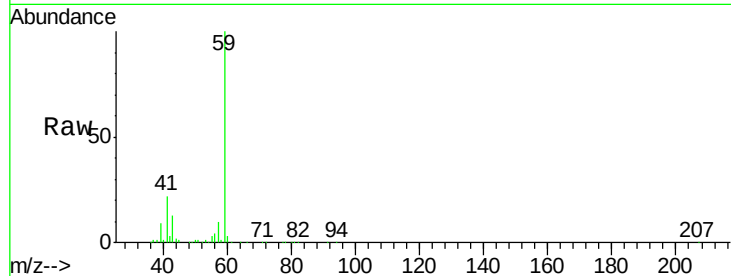
Tert butyl alcohol
 Concen: 239.66 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	59	Resp	193662
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

Manual Integrations
 APPROVED

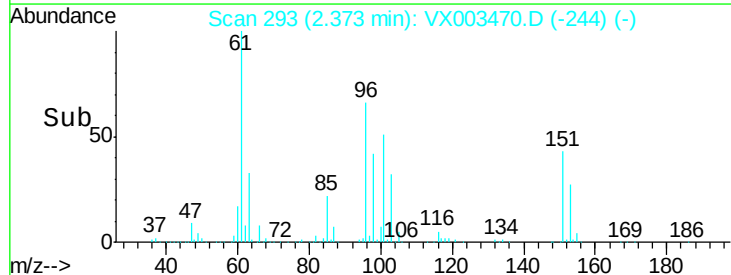
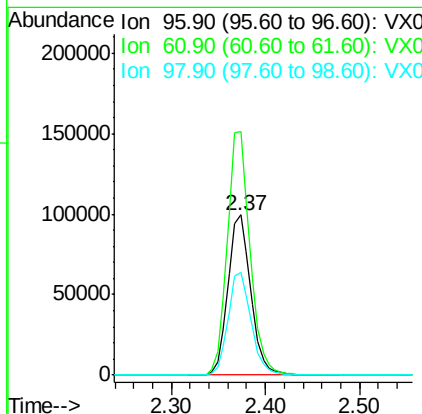
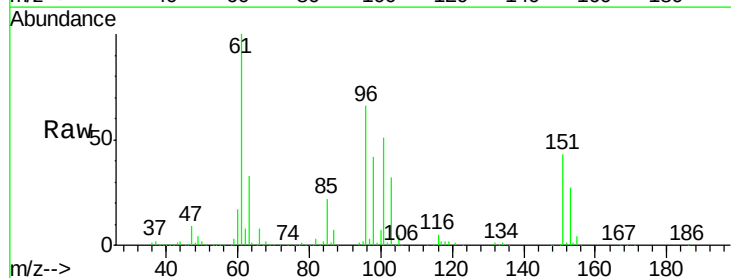
MMDadoda
 7/20/2018 5:22:12 PM

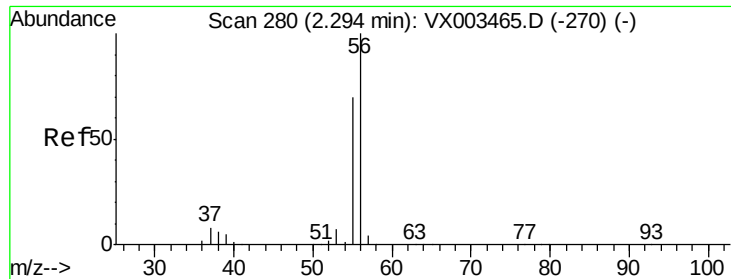


#12

1,1-Dichloroethene
 Concen: 47.53 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	96	Resp	167473
Ion Ratio	100	Lower	Upper
61	151.9	137.9	206.9
98	63.9	51.6	77.4





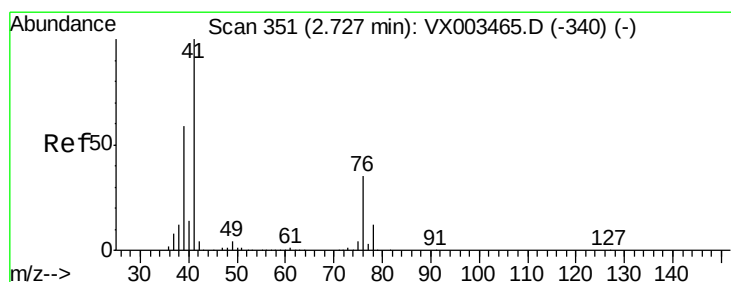
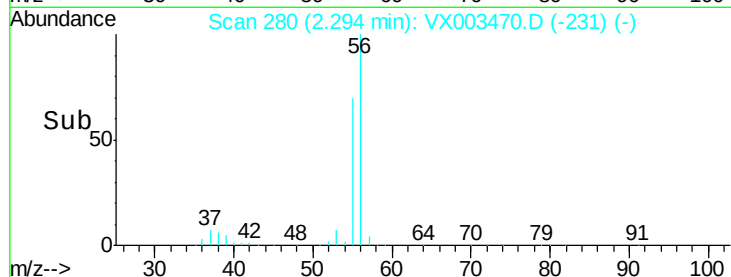
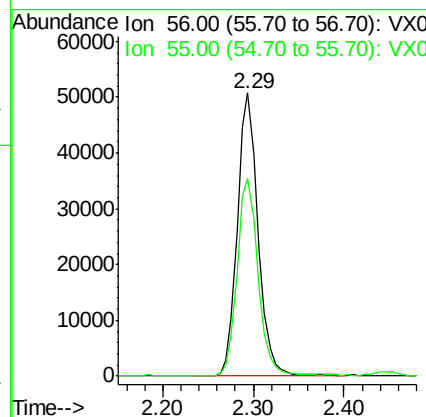
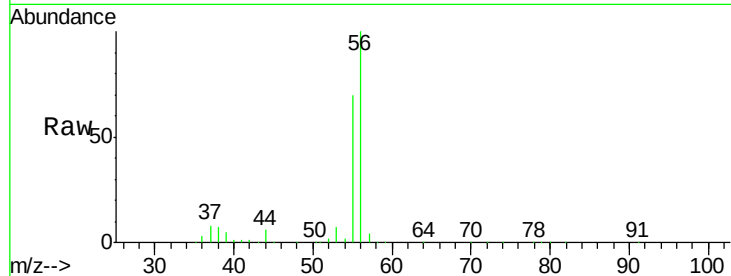
#13
 Acrolein
 Concen: 221.15 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		80743		
55	70.1		57.0	85.4	

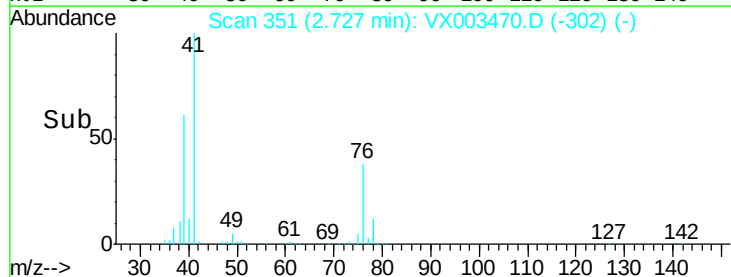
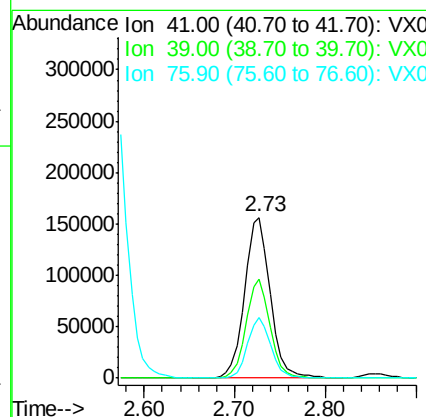
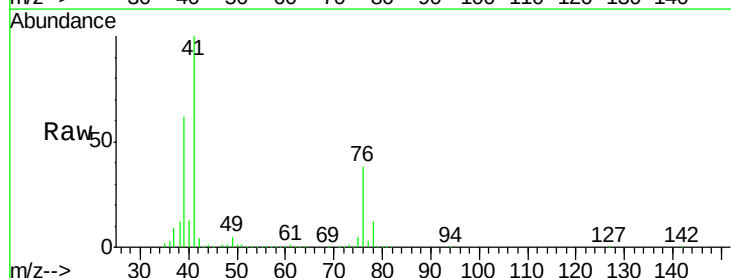
Manual Integrations
 APPROVED

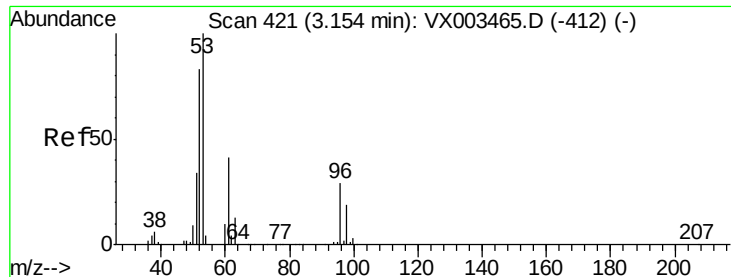
MMDadoda
 7/20/2018 5:22:12 PM



#14
 Allyl chloride
 Concen: 48.78 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		304263		
39	57.8		56.8	85.2	
76	34.5		23.8	35.8	





#15

Acrylonitrile

Concen: 236.83 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

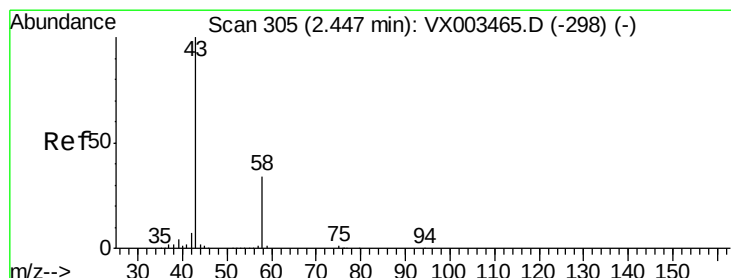
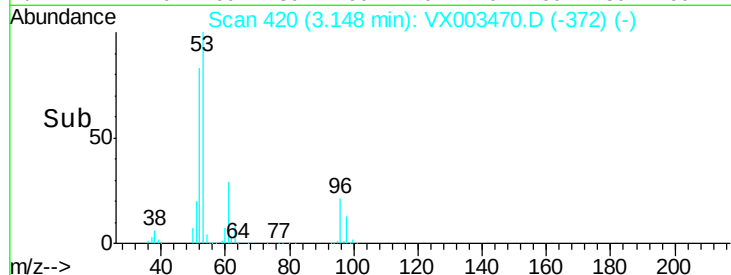
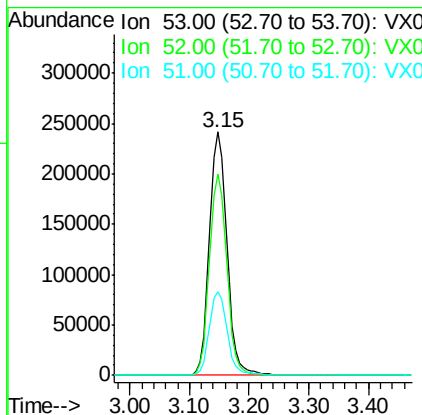
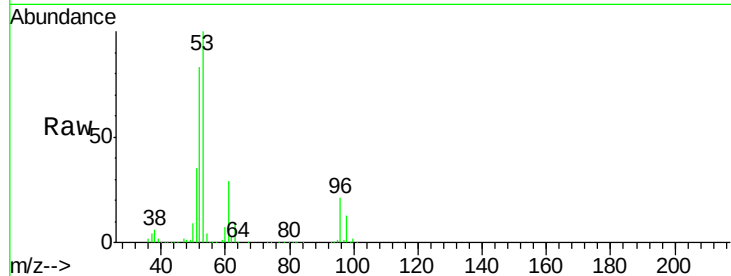
ClientSampleId :

ICVVX071918

Tot Ion:	53	Resp:	487231
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	35.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#16

Acetone

Concen: 231.74 ug/l

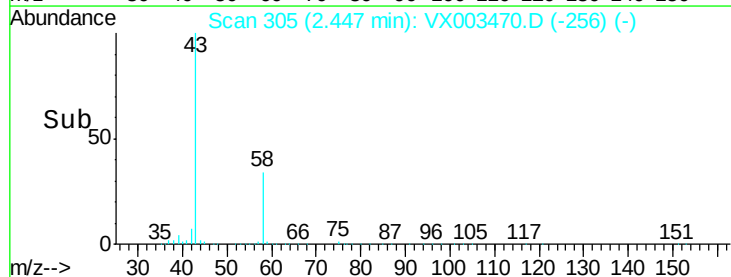
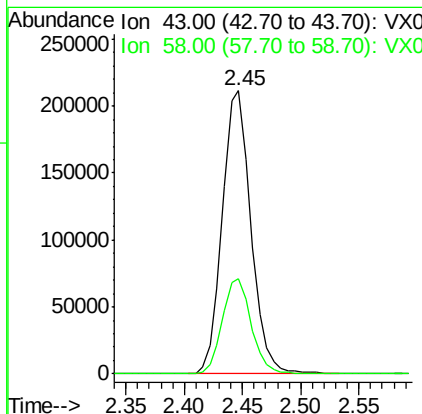
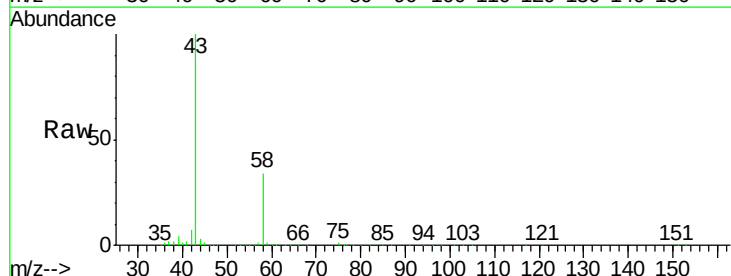
RT: 2.45 min Scan# 305

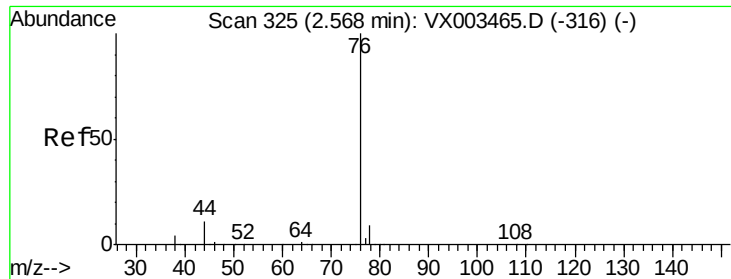
Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion:	43	Resp:	357467
Ion	Ratio	Lower	Upper
43	100		
58	33.7	22.1	33.1#





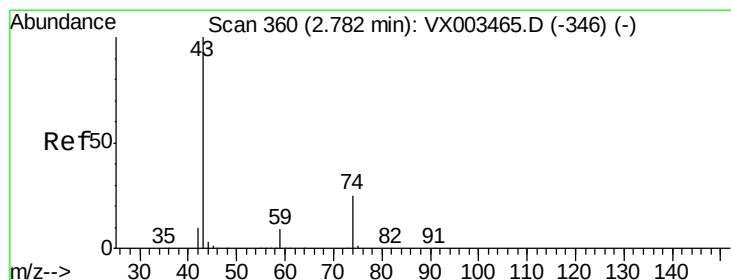
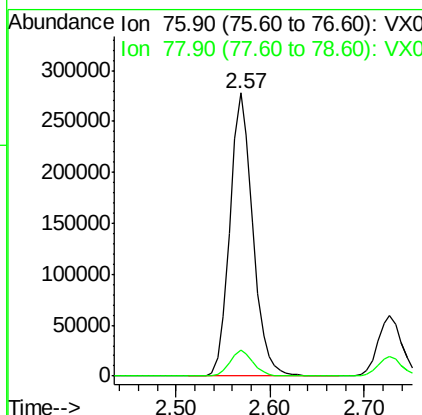
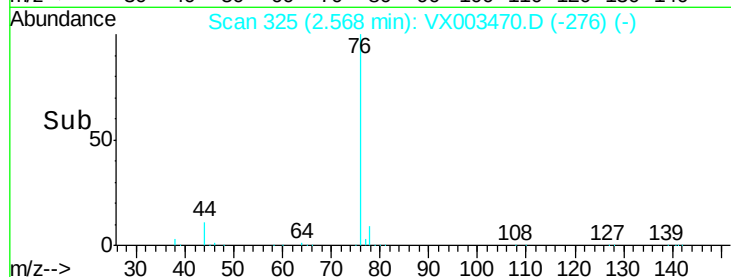
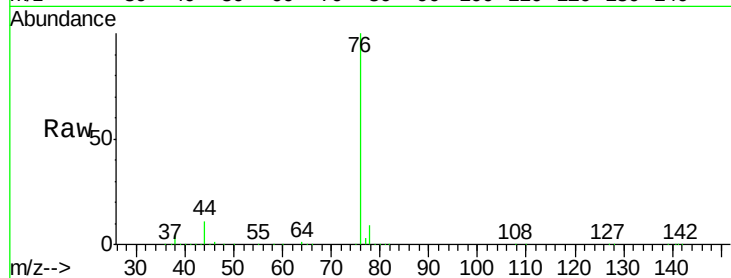
#17
Carbon Disulfide
Concen: 49.44 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

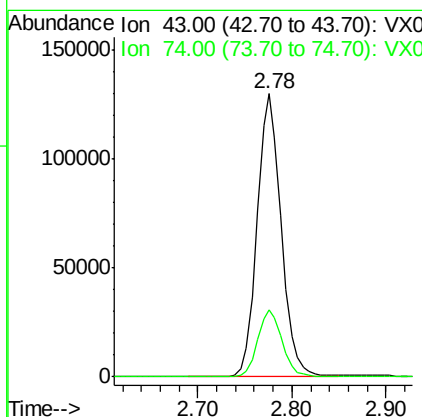
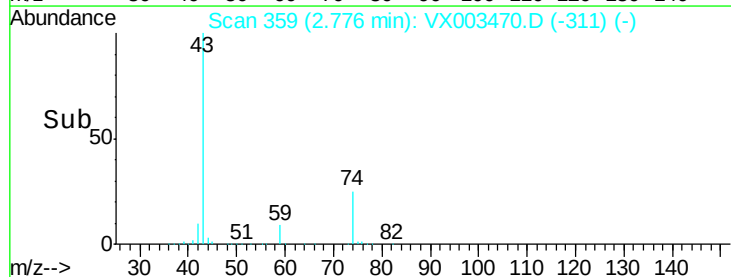
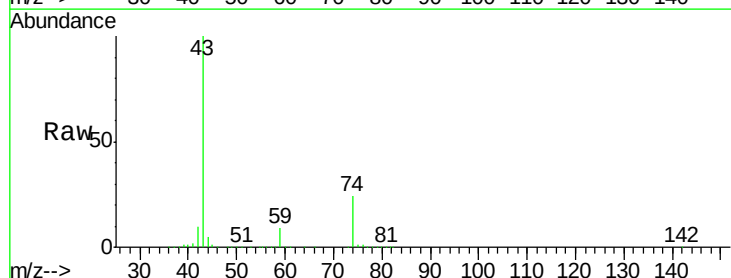
Manual Integrations
APPROVED

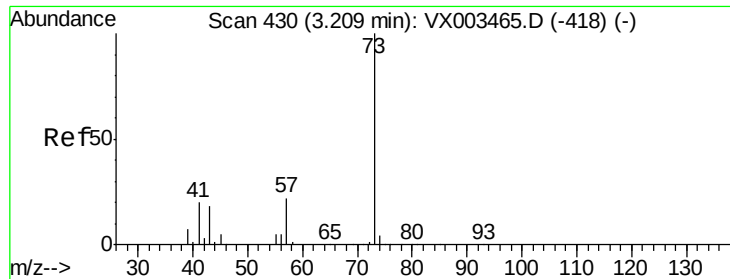
MMDadoda
7/20/2018 5:22:12 PM



#18
Methyl Acetate
Concen: 48.16 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	16.7	25.1





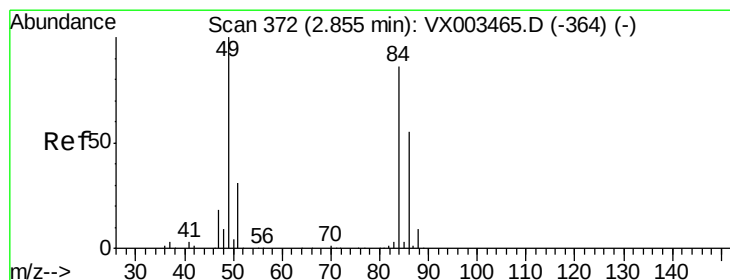
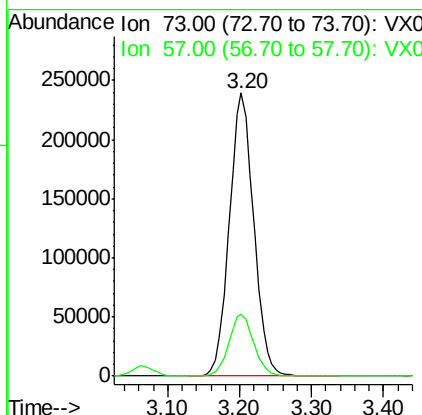
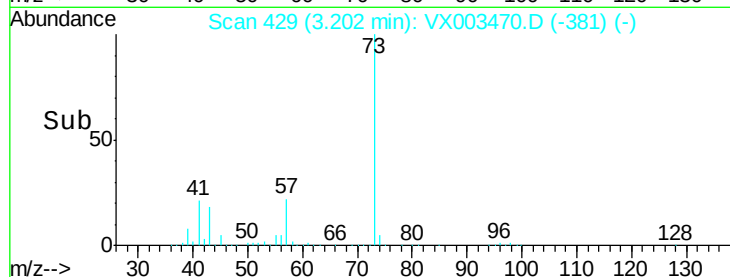
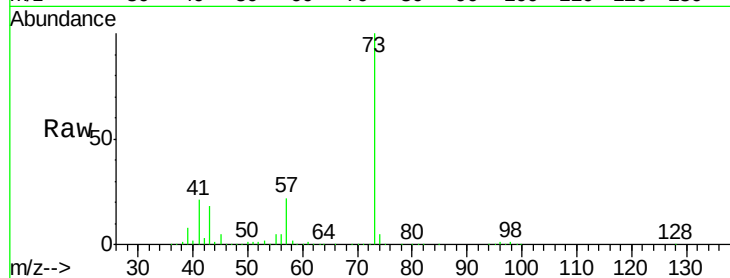
#19
Methyl tert-butyl Ether
Concen: 48.98 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion: 73 Resp: 563507
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

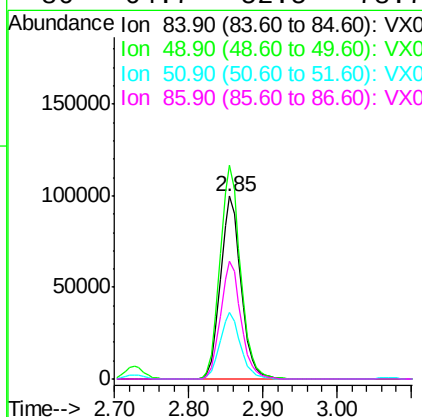
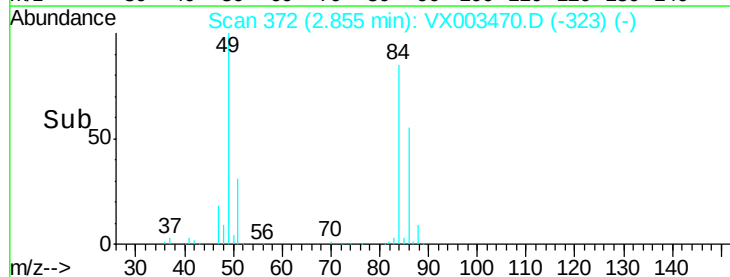
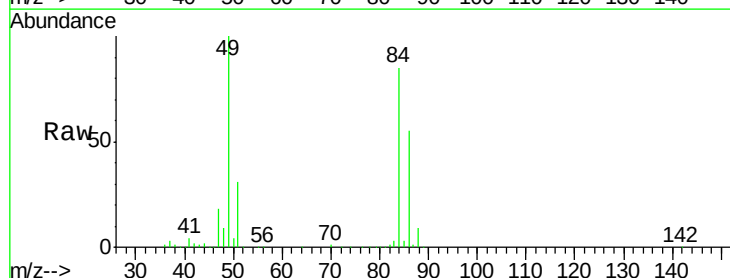
Manual Integrations
APPROVED

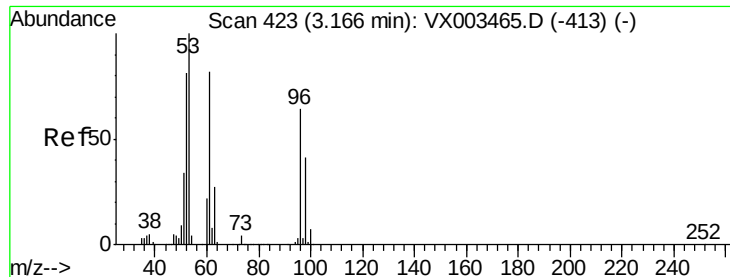
MMDadoda
7/20/2018 5:22:12 PM



#20
Methylene Chloride
Concen: 50.51 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion: 84 Resp: 190465
Ion Ratio Lower Upper
84 100
49 117.1 107.8 161.6
51 36.4 32.8 49.2
86 64.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.10 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 96 Resp: 184669

Ion Ratio Lower Upper

96 100

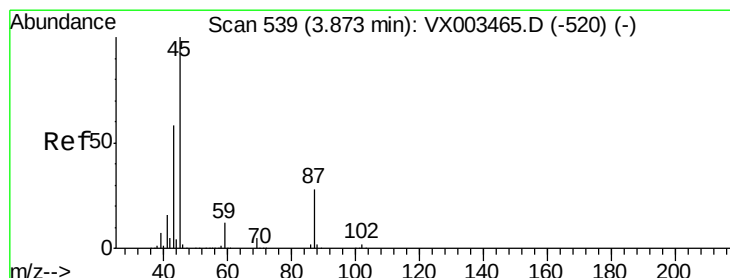
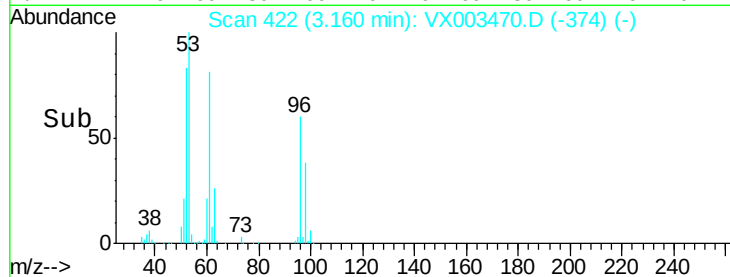
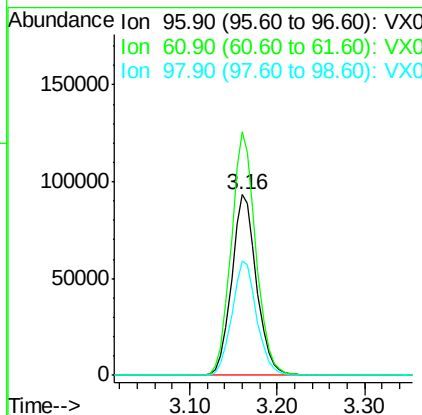
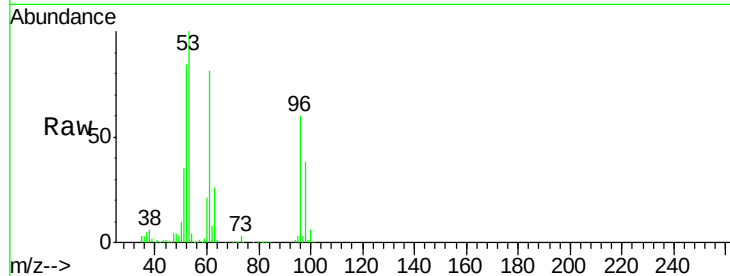
61 134.6 117.0 175.4

98 63.5 52.4 78.6

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#22

Diisopropyl ether

Concen: 49.33 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion: 45 Resp: 578986

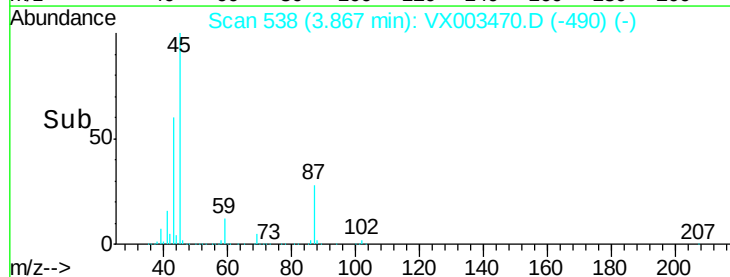
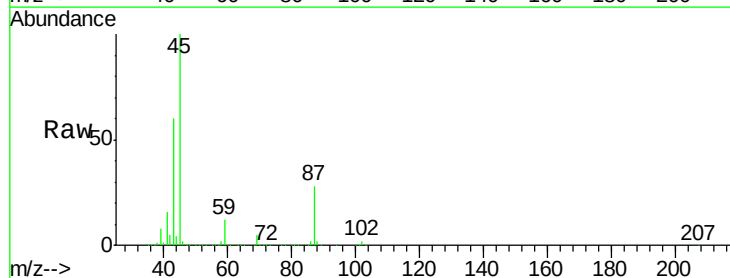
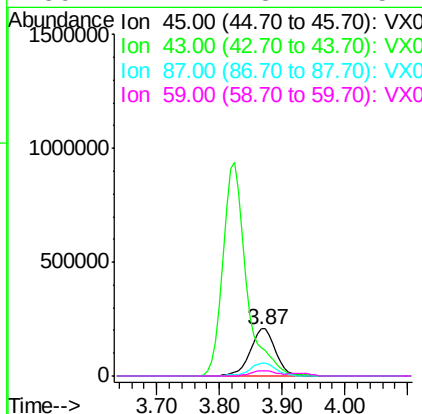
Ion Ratio Lower Upper

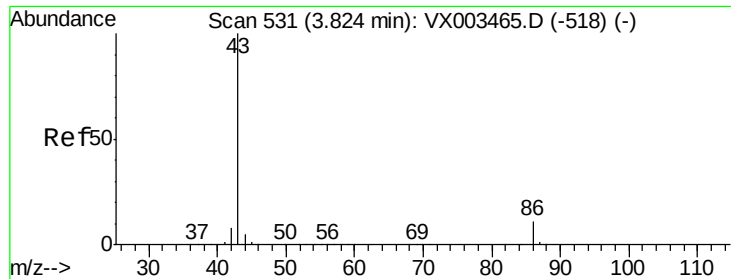
45 100

43 60.1 46.8 70.2

87 28.4 20.2 30.4

59 11.7 8.7 13.1





#23

Vinyl Acetate

Concen: 251.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 43 Resp: 2427278

Ion Ratio Lower Upper

43 100

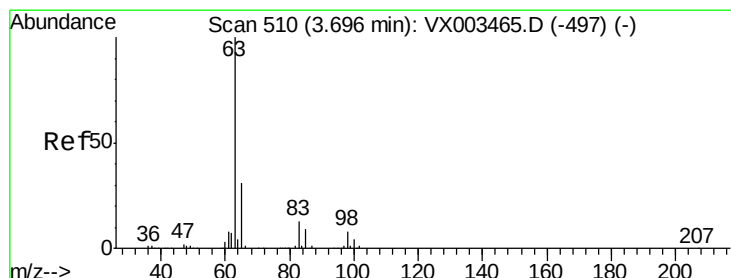
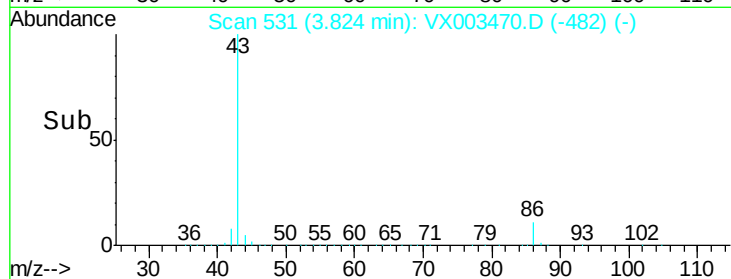
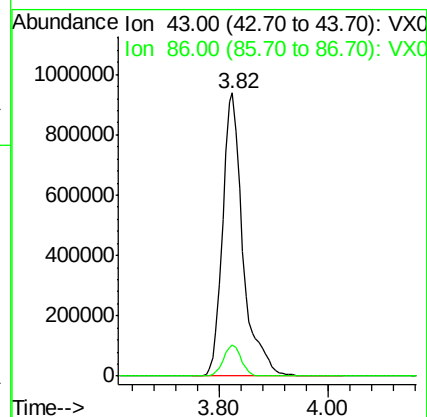
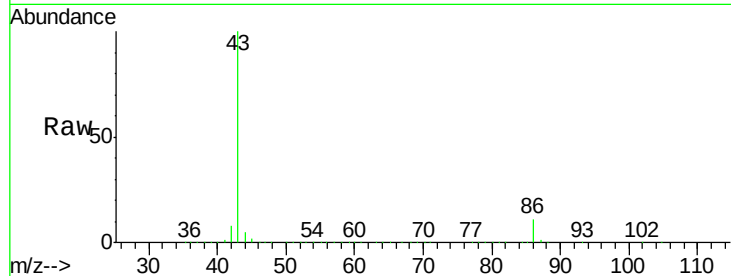
86 11.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#24

1,1-Dichloroethane

Concen: 48.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

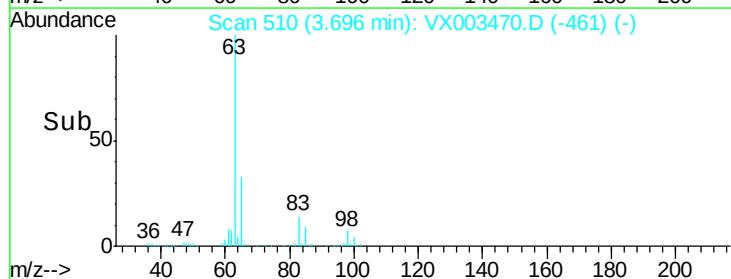
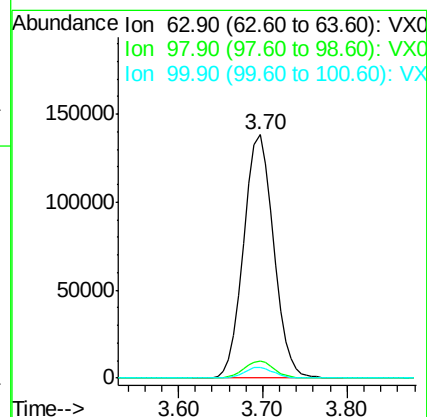
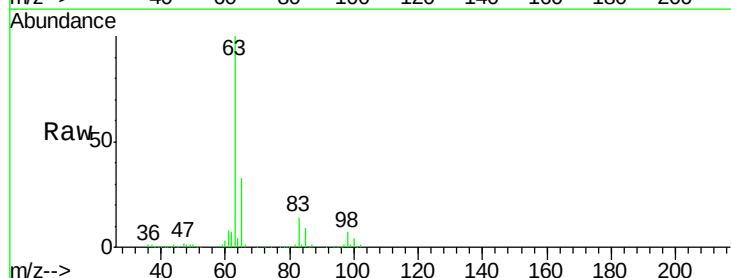
Tgt Ion: 63 Resp: 332276

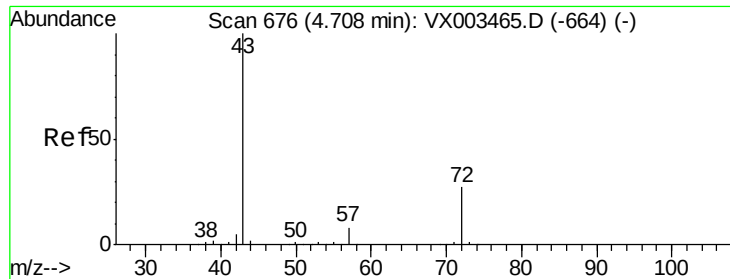
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 250.61 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 43 Resp: 648581

Ion Ratio Lower Upper

43 100

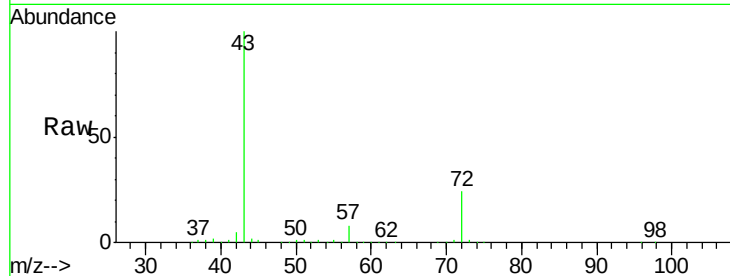
72 23.8 18.5 27.7

Manual Integrations

APPROVED

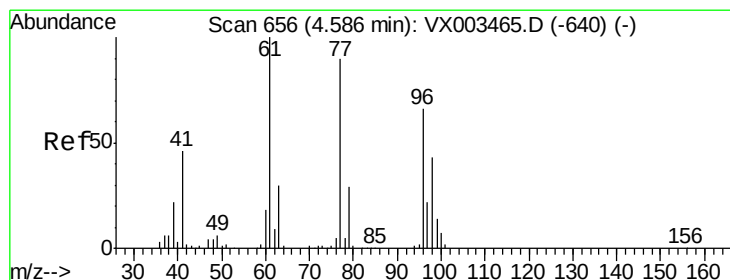
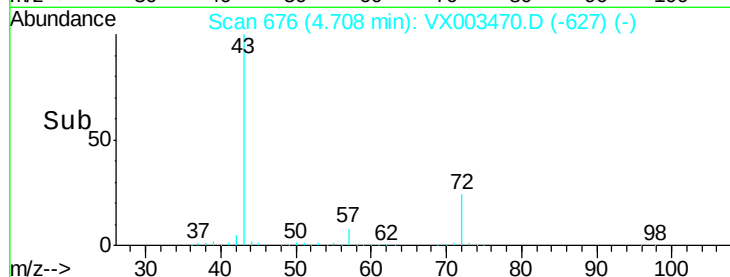
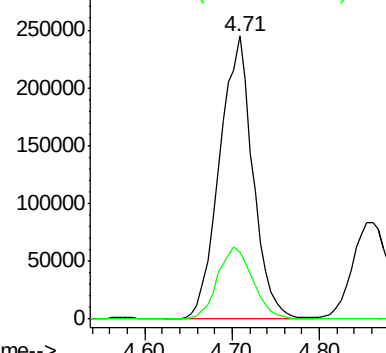
MMDadoda

7/20/2018 5:22:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.61 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003470.D

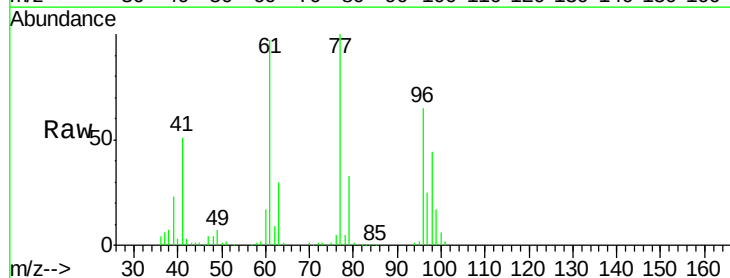
Acq: 19 Jul 2018 17:26

Tgt Ion: 77 Resp: 264697

Ion Ratio Lower Upper

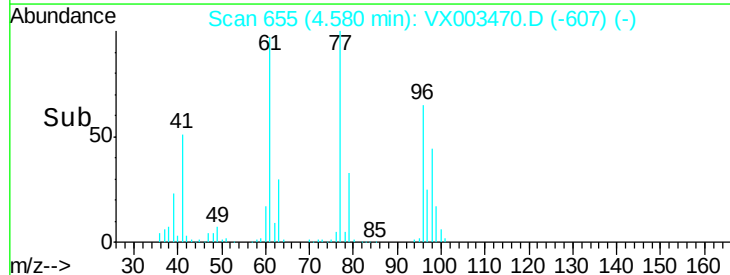
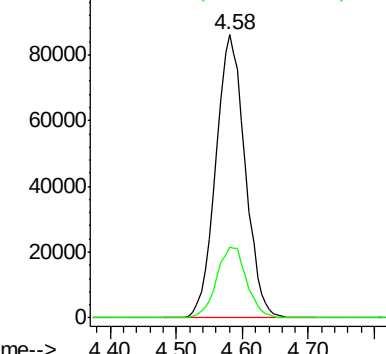
77 100

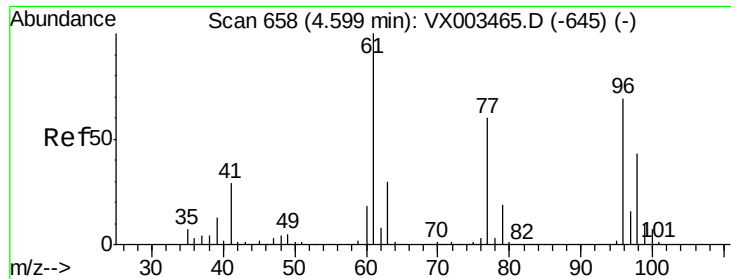
97 25.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 50.14 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

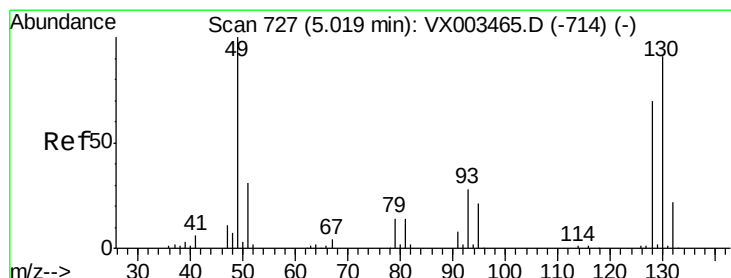
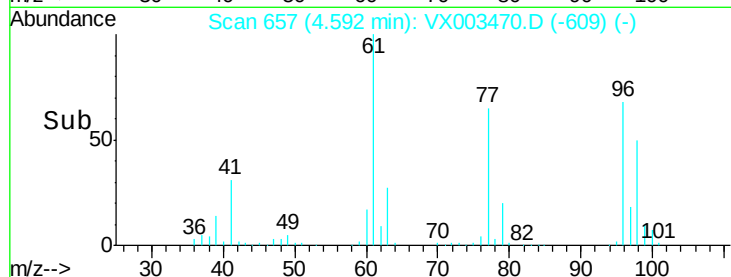
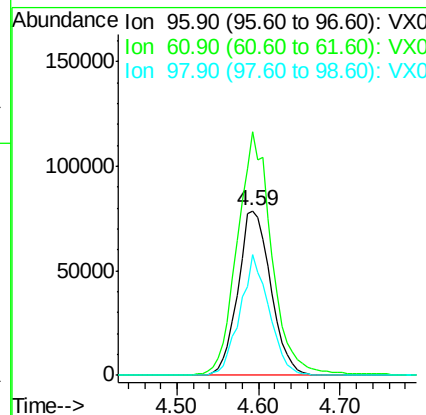
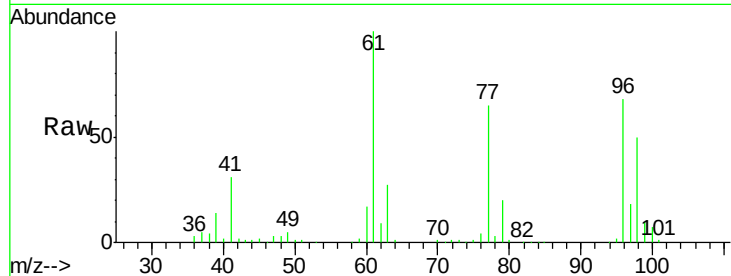
ClientSampleId :

ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	218864		
61	155.7	0.0	330.2	
98	65.6	0.0	130.2	

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#28

Bromochloromethane

Concen: 48.09 ug/l

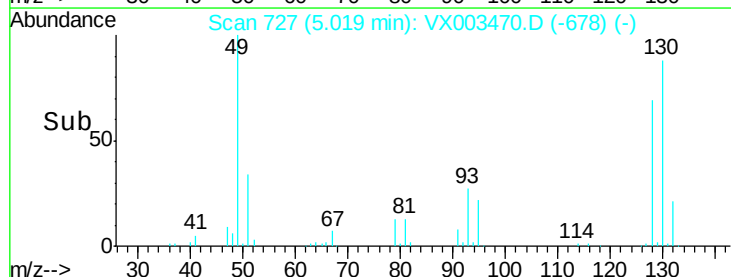
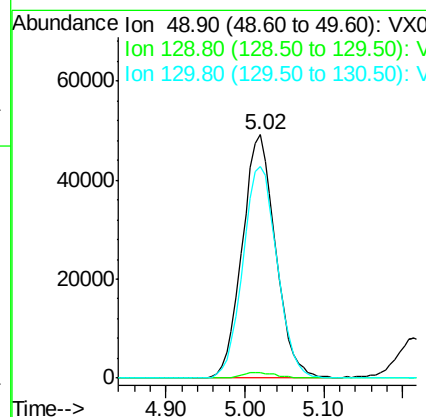
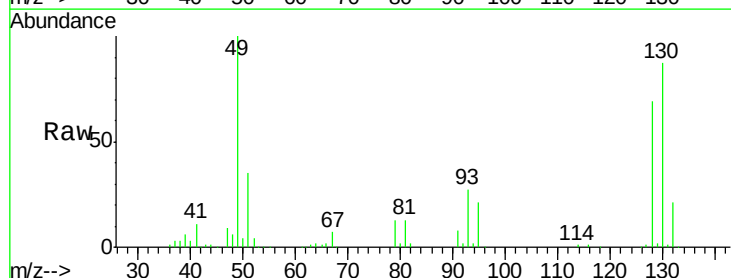
RT: 5.02 min Scan# 727

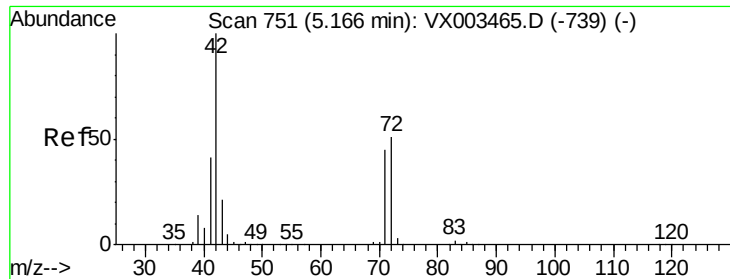
Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144740		
129	2.3	0.0	4.2	
130	89.2	61.2	91.8	





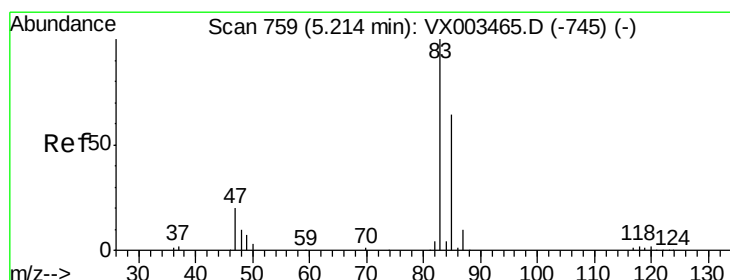
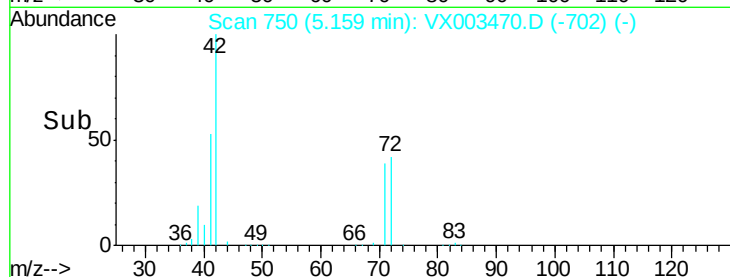
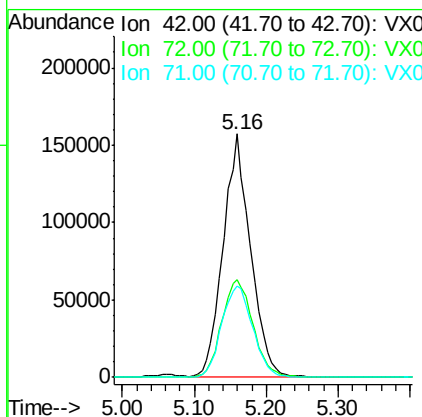
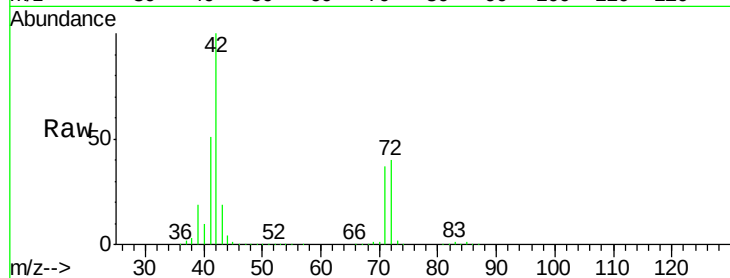
#29
Tetrahydrofuran
Concen: 243.41 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	32.0	48.0
71	42.5	30.1	45.1

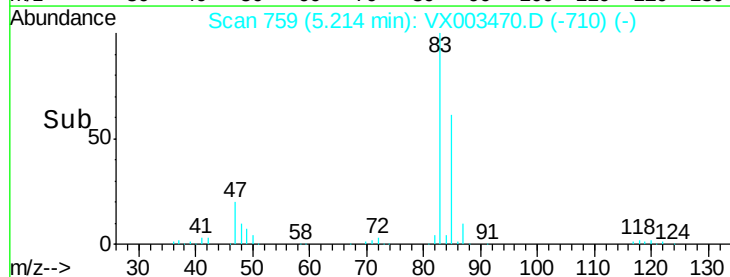
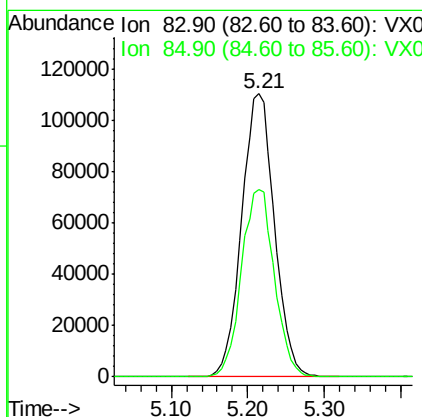
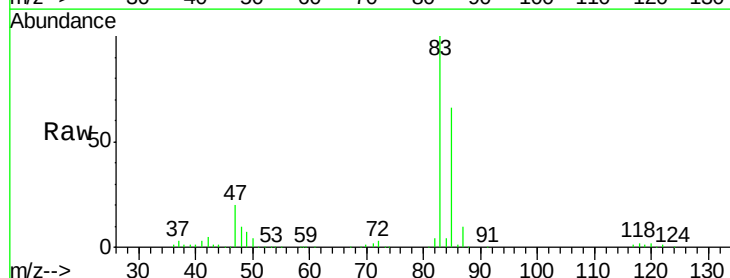
Manual Integrations
APPROVED

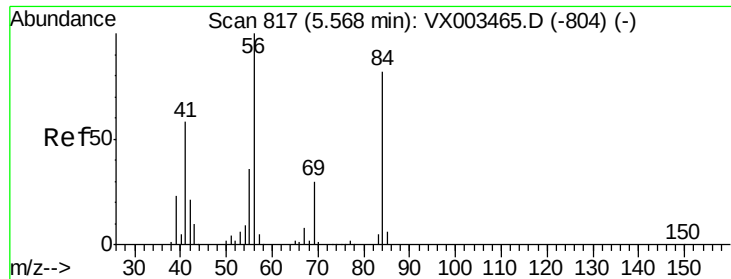
MMDadoda
7/20/2018 5:22:12 PM



#30
Chloroform
Concen: 48.95 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.4	75.6





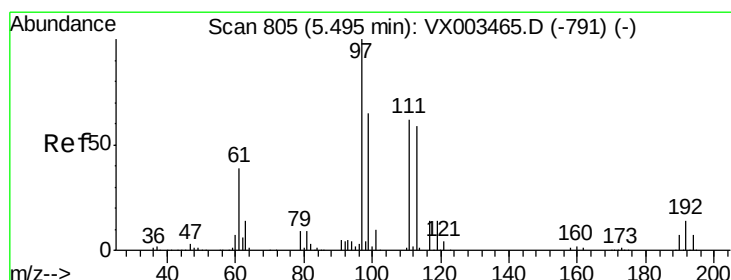
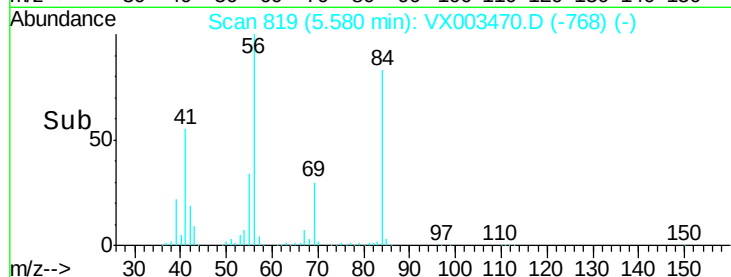
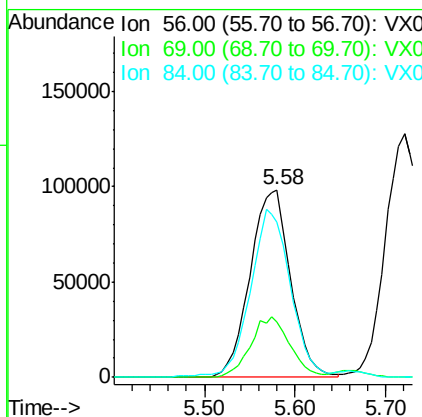
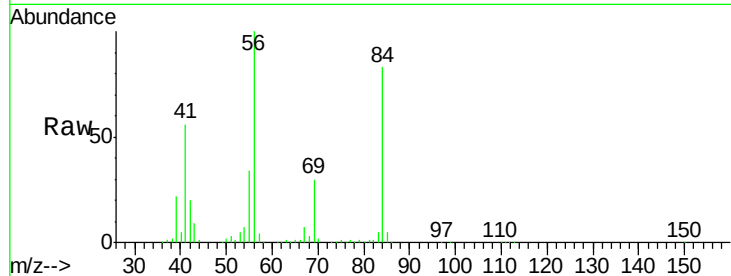
#31
Cyclohexane
Concen: 49.46 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.7	35.5
84	81.8	64.1	96.1

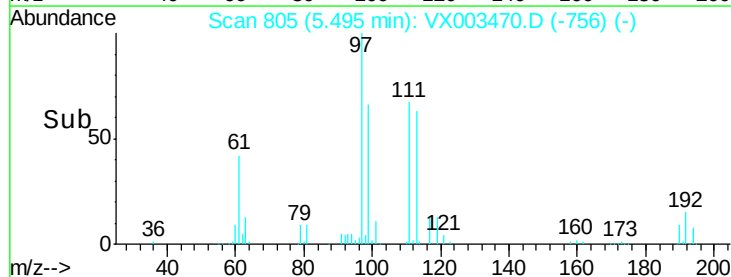
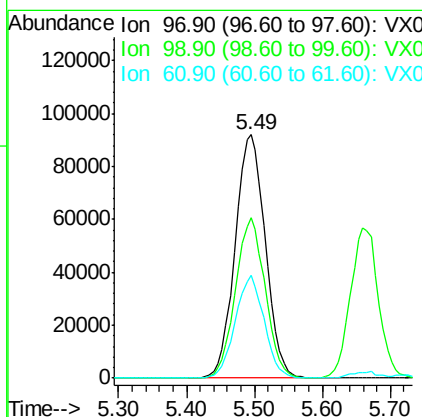
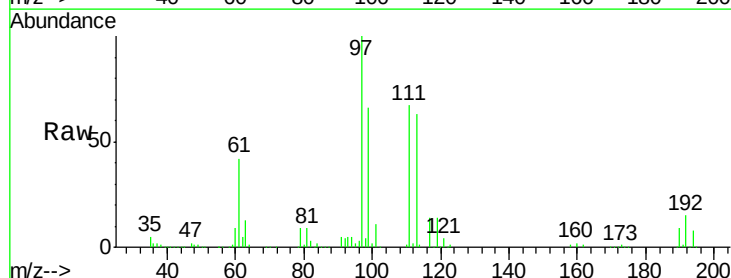
Manual Integrations
APPROVED

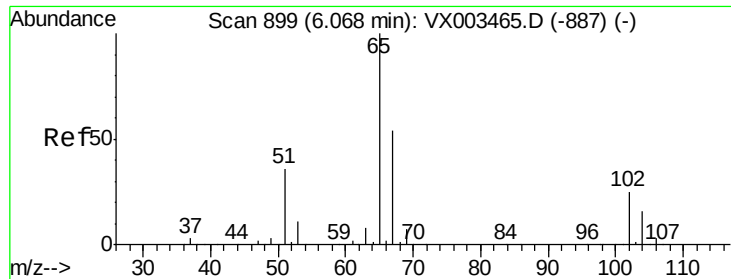
MMDadoda
7/20/2018 5:22:12 PM



#32
1,1,1-Trichloroethane
Concen: 49.25 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	40.5	36.4	54.6





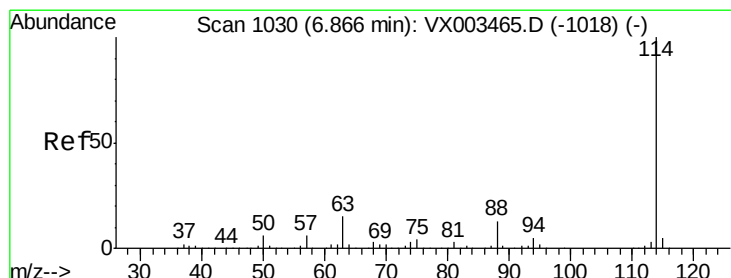
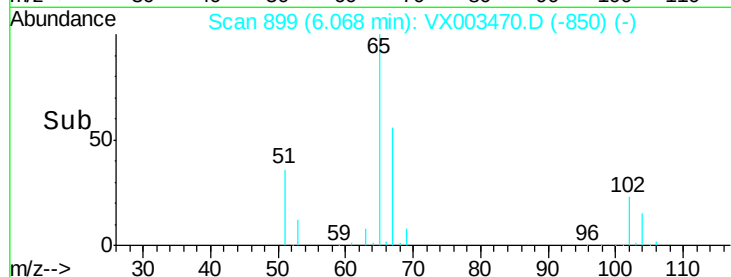
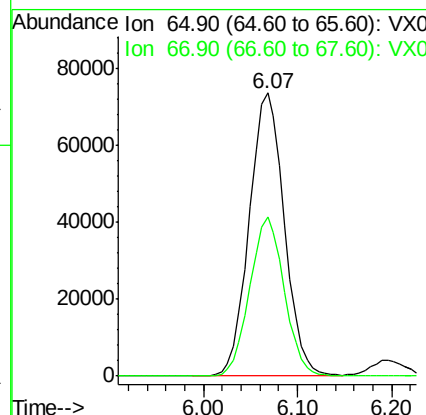
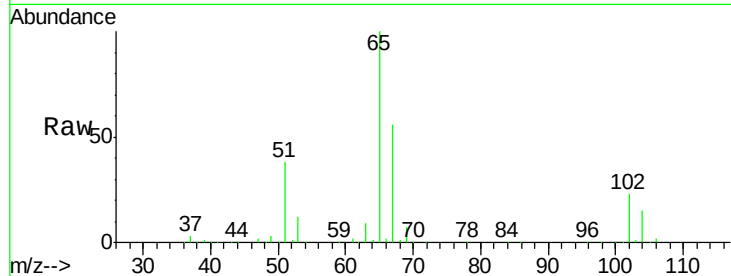
#33
 1,2-Dichloroethane-d4
 Concen: 46.80 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191120		
67	55.4	0.0	102.6	

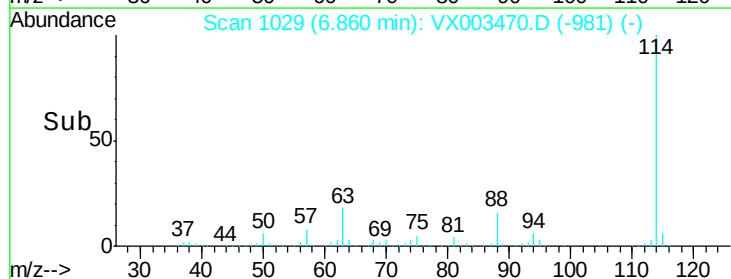
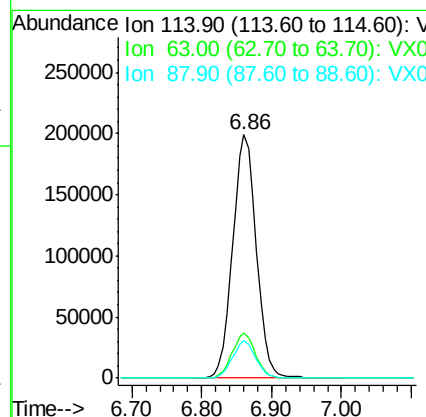
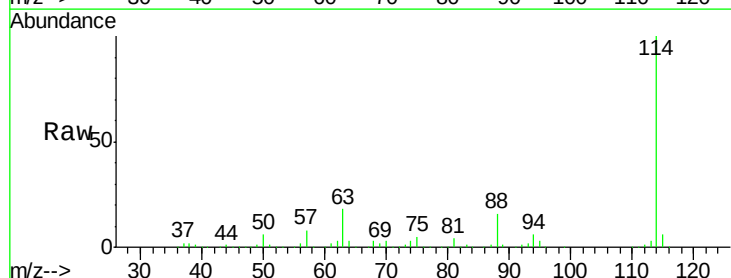
Manual Integrations
 APPROVED

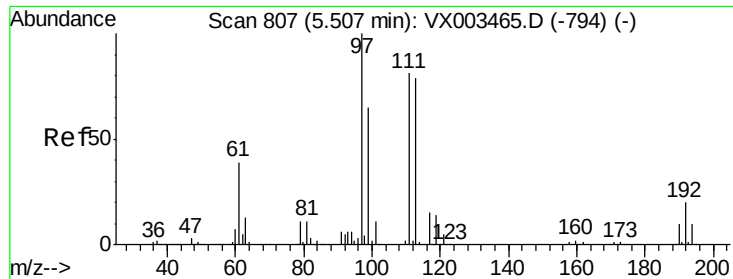
MMDadoda
 7/20/2018 5:22:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465795		
63	18.5	0.0	41.4	
88	15.6	0.0	30.0	





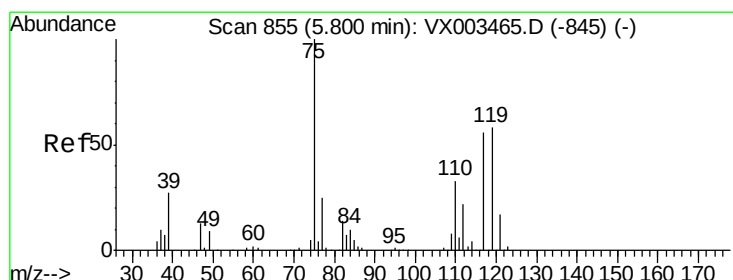
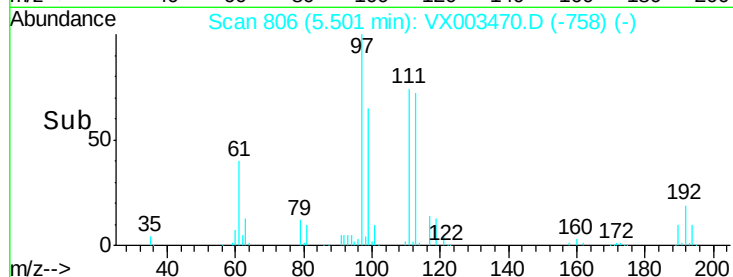
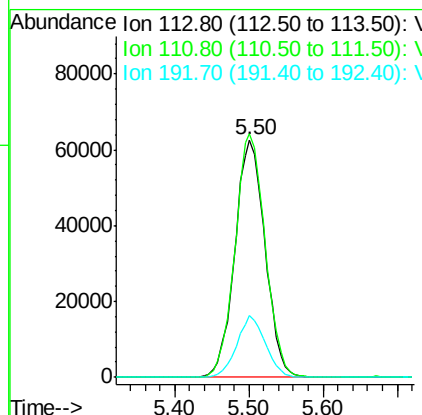
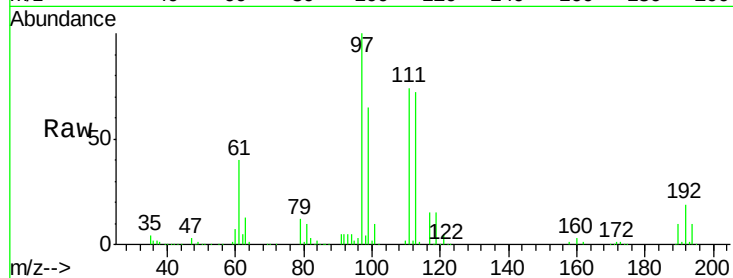
#35
Dibromofluoromethane
Concen: 50.17 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178003		
111	102.5	81.4	122.0	
192	24.6	19.1	28.7	

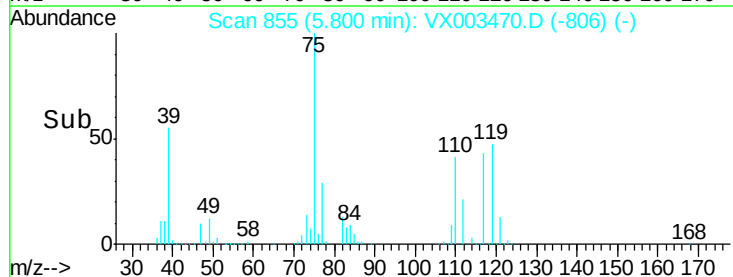
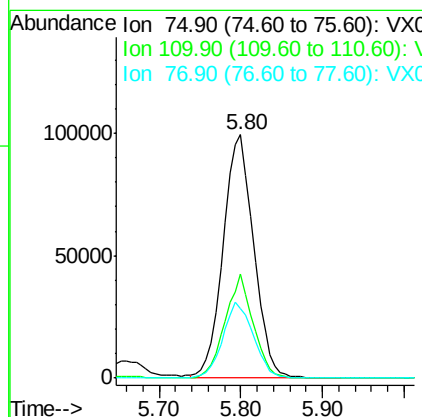
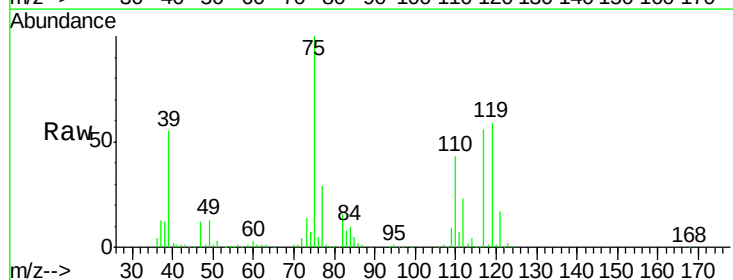
Manual Integrations
APPROVED

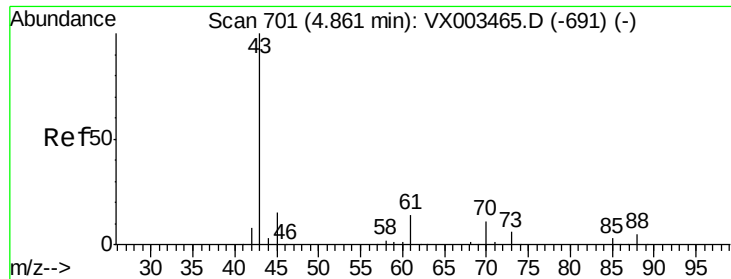
MMDadoda
7/20/2018 5:22:12 PM



#36
1,1-Dichloropropene
Concen: 51.15 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	257241		
110	39.3	18.1	54.4	
77	31.1	24.3	36.5	





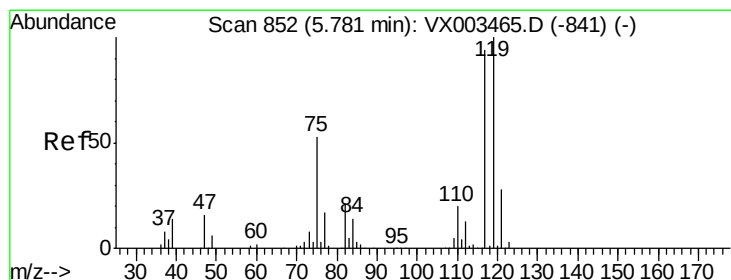
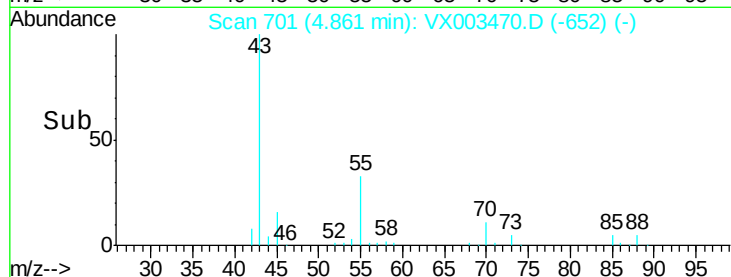
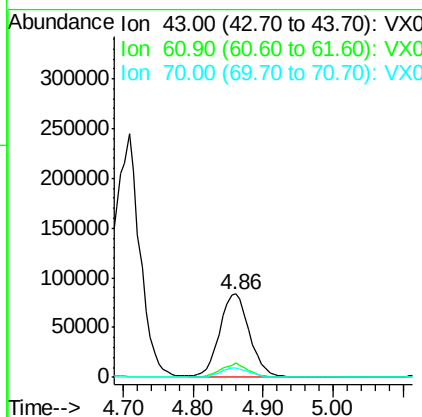
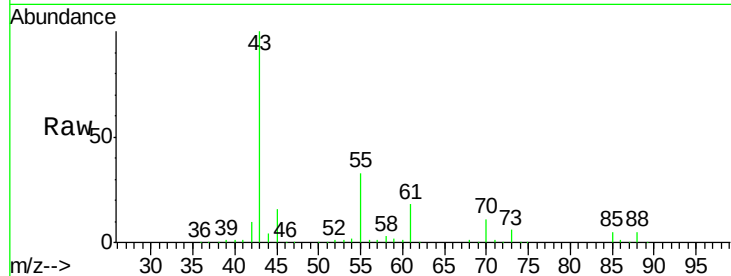
#37
Ethyl Acetate
Concen: 52.51 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.4	15.6
70	10.9	7.6	11.4

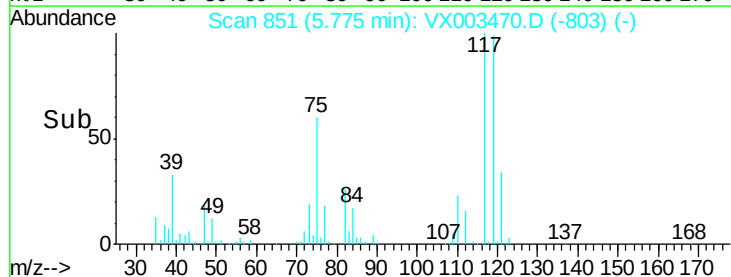
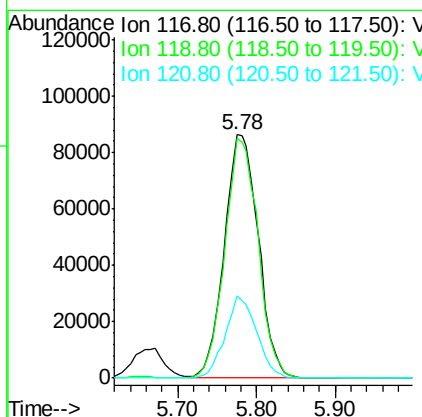
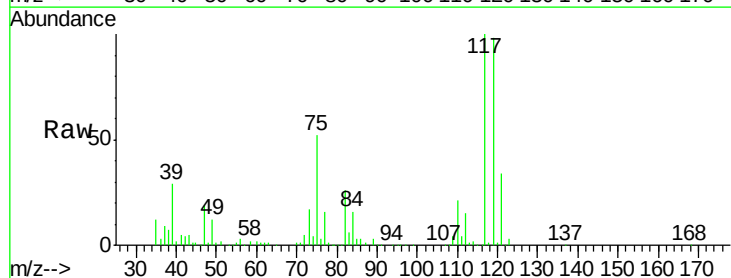
Manual Integrations
APPROVED

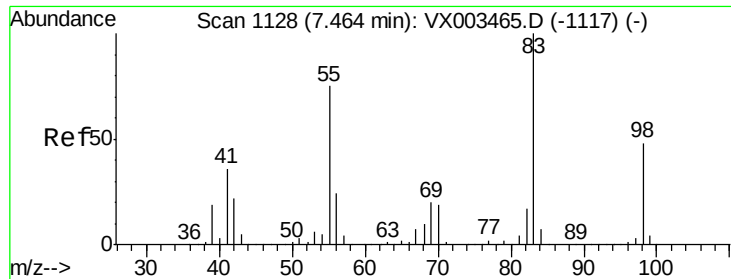
MMDadoda
7/20/2018 5:22:12 PM



#38
Carbon Tetrachloride
Concen: 52.42 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.4	116.0
121	33.7	24.4	36.6





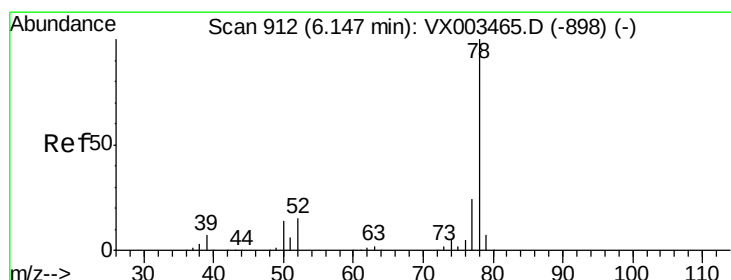
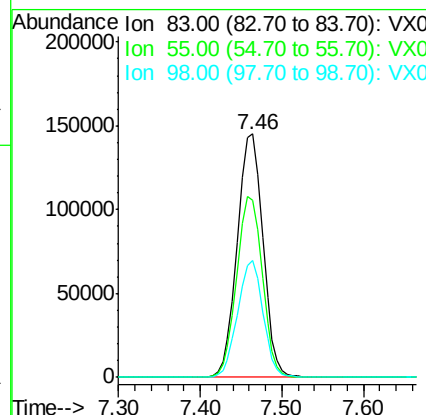
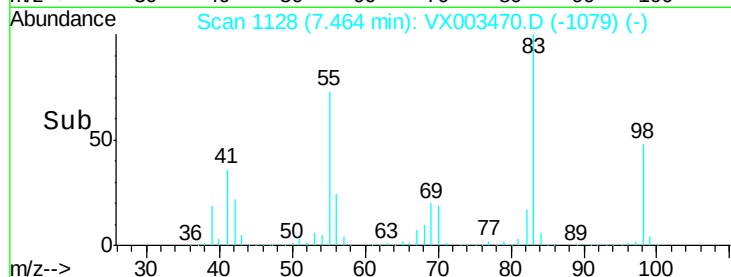
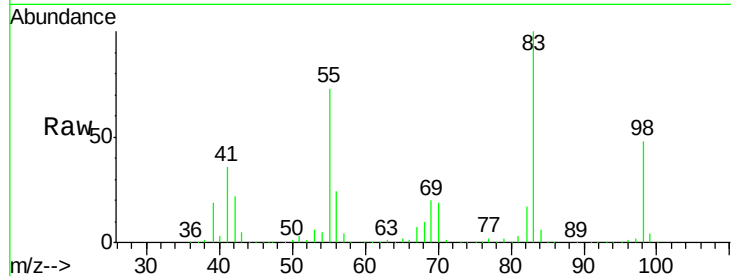
#39
Methylvlcyclohexane
Concen: 53.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.9	65.4	98.0	
98	47.9	37.4	56.0	

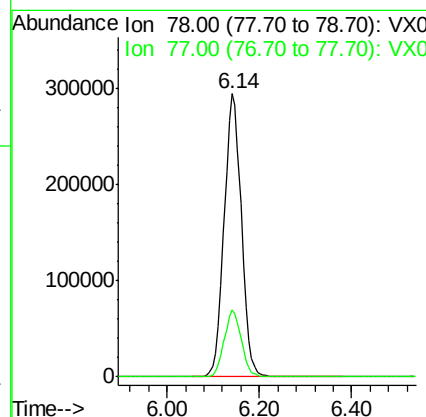
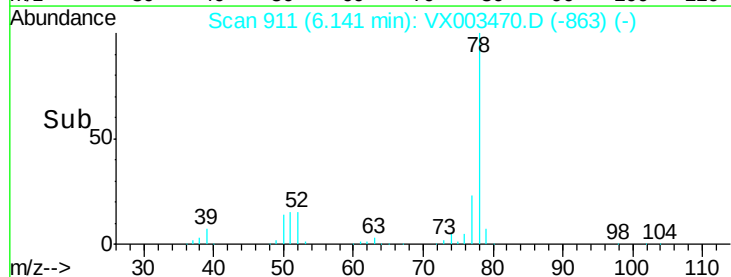
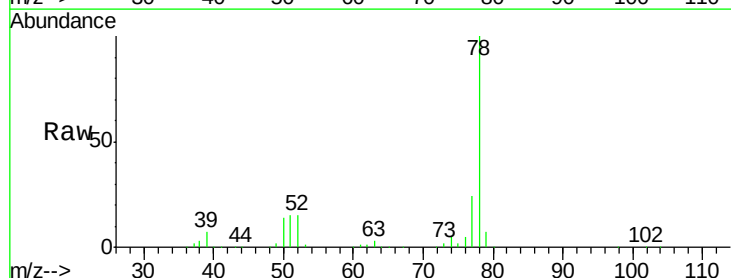
Manual Integrations
APPROVED

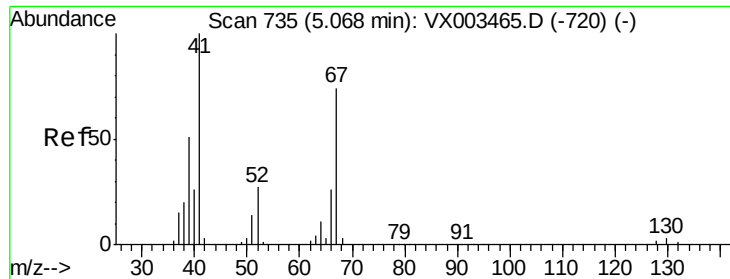
MMDadoda
7/20/2018 5:22:12 PM



#40
Benzene
Concen: 50.34 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.1	28.7	





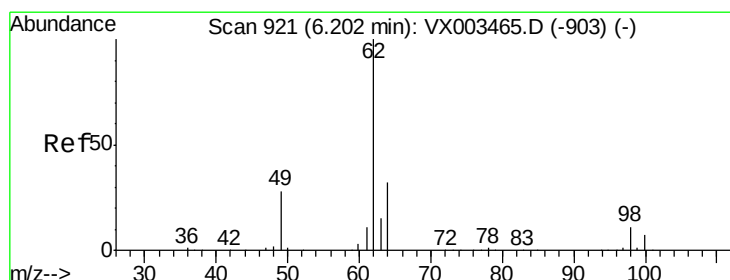
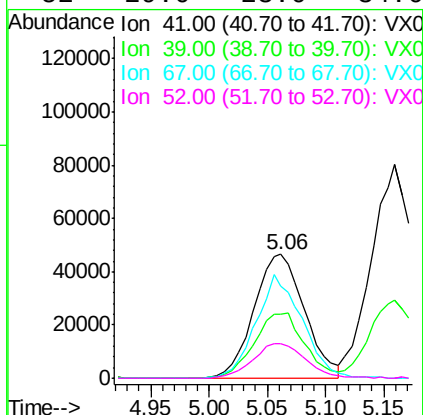
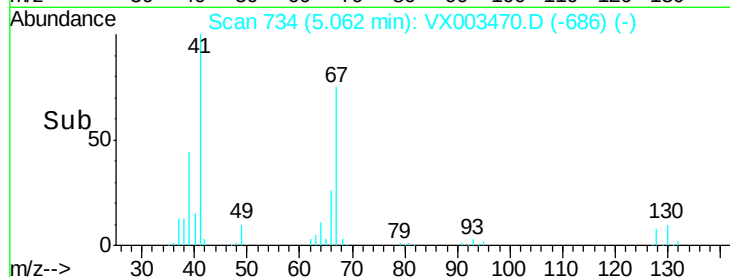
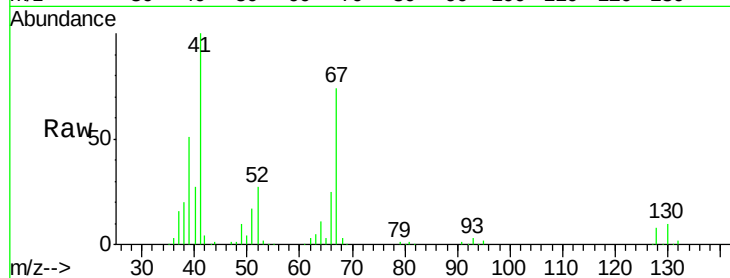
#41
Methacrylonitrile
Concen: 50.13 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	45.8	68.6	
67	76.8	51.3	76.9	
52	29.0	23.0	34.6	

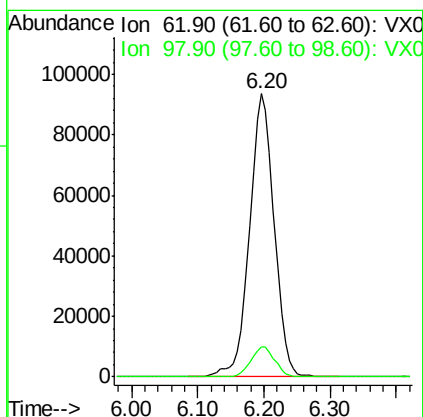
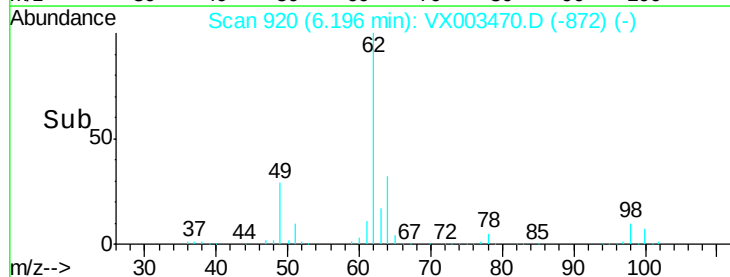
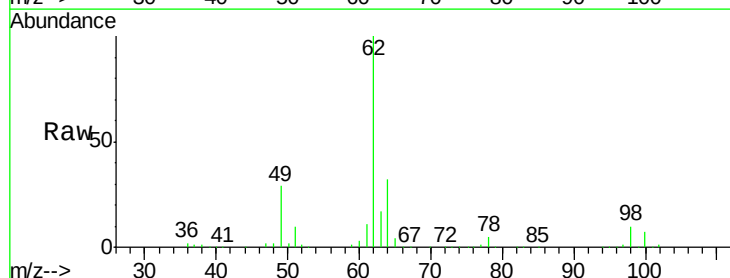
Manual Integrations
APPROVED

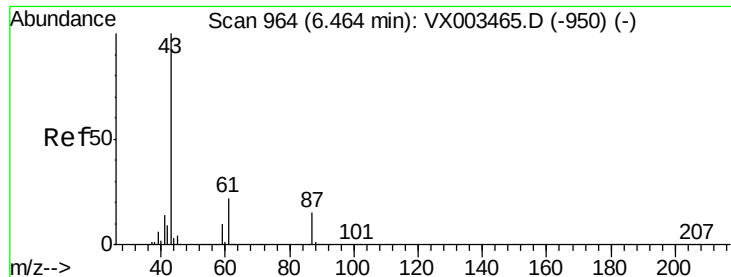
MMDadoda
7/20/2018 5:22:12 PM



#42
1,2-Dichloroethane
Concen: 50.55 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	16.6	





#43

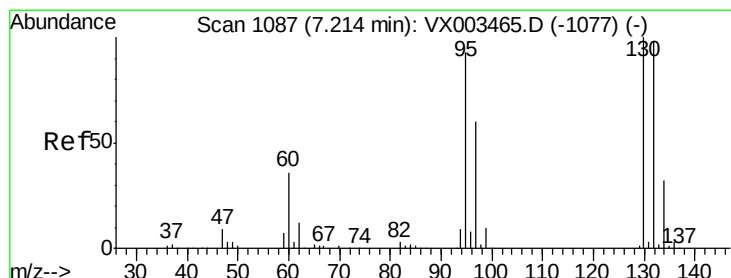
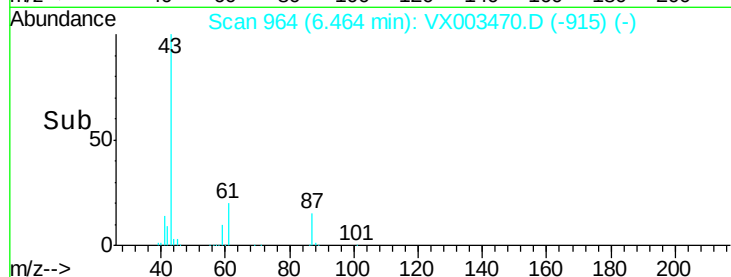
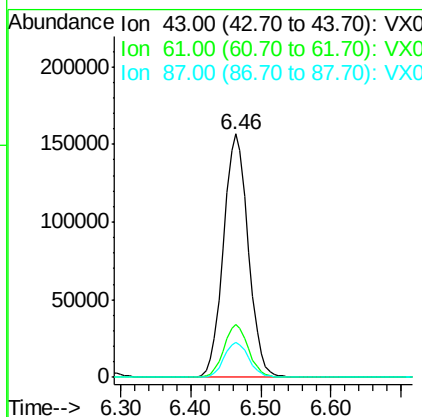
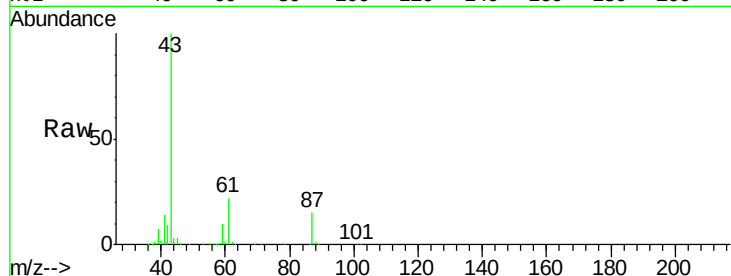
Isopropyl Acetate
 Concen: 50.83 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.5	9.5	14.3

Manual Integrations
 APPROVED

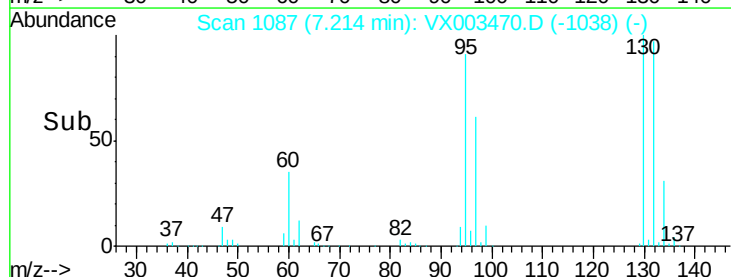
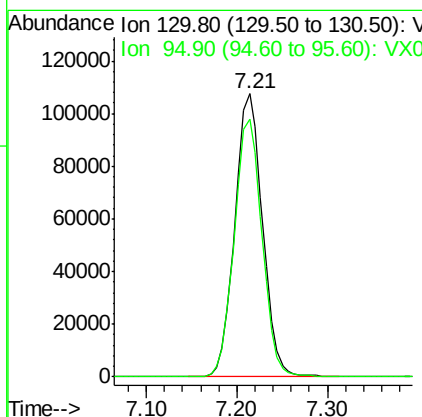
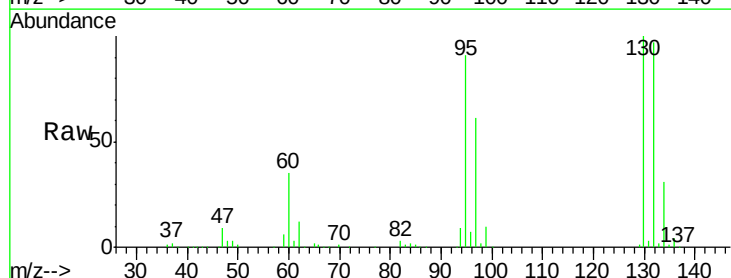
MMDadoda
 7/20/2018 5:22:12 PM

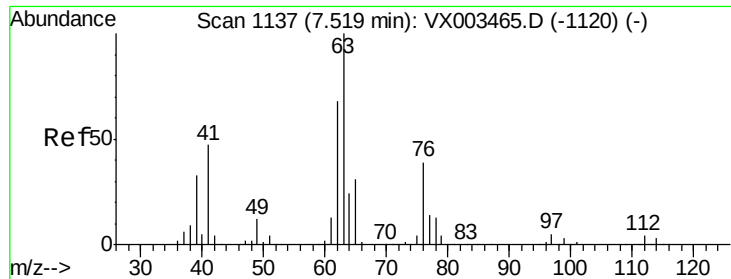


#44

Trichloroethene
 Concen: 50.40 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	185.4





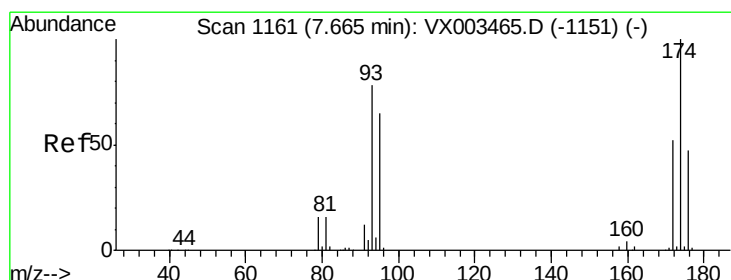
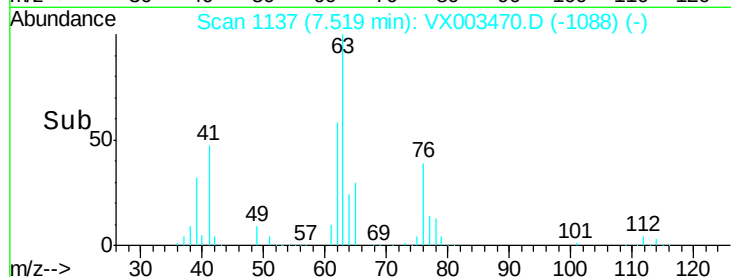
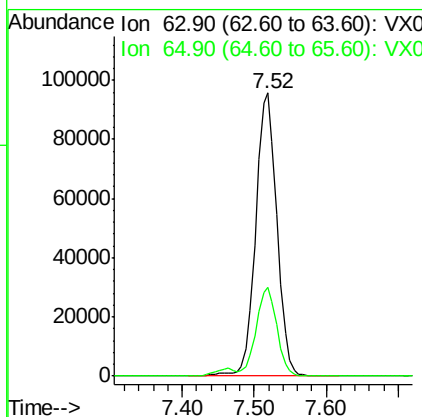
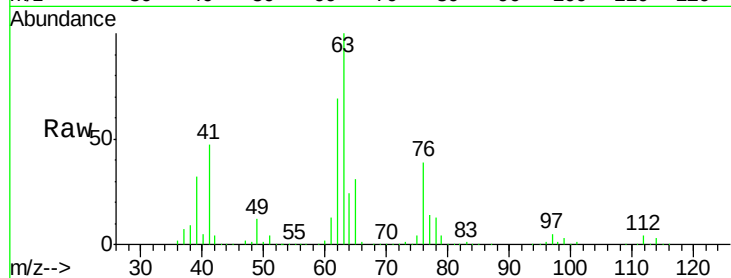
#45
 1,2-Dichloropropane
 Concen: 50.95 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX071918

Tot Ion: 63 Resp: 196453
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

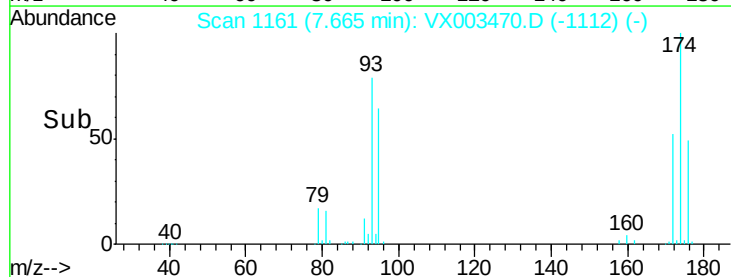
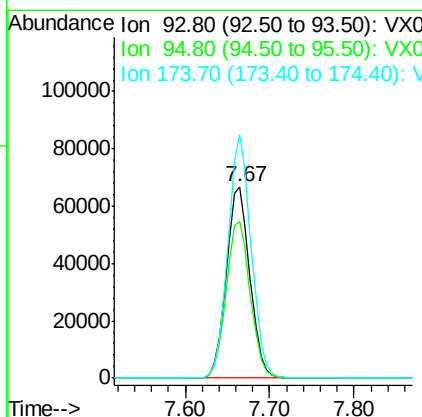
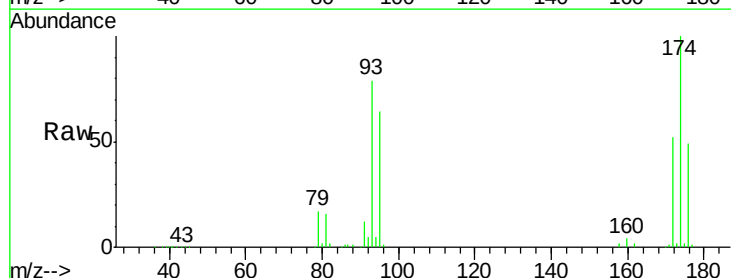
Manual Integrations
 APPROVED

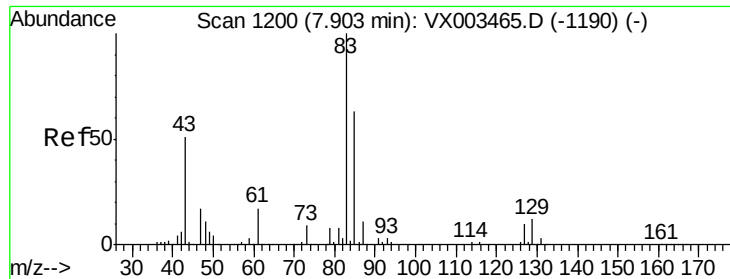
MMDadoda
 7/20/2018 5:22:12 PM



#46
 Dibromomethane
 Concen: 51.30 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion: 93 Resp: 127322
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 124.9 92.4 138.6





#47

Bromodichloromethane

Concen: 52.97 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

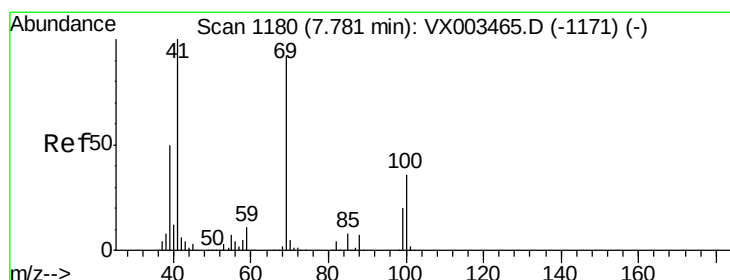
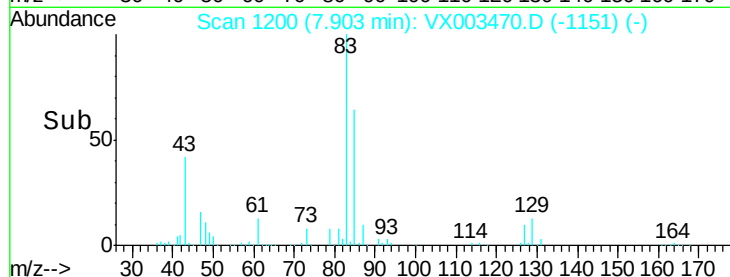
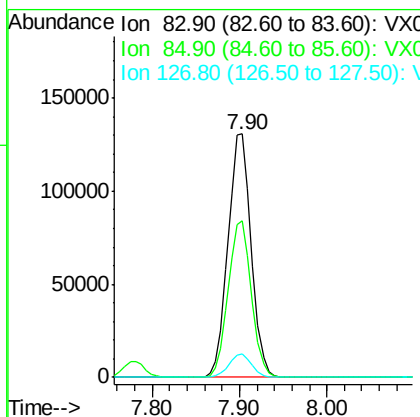
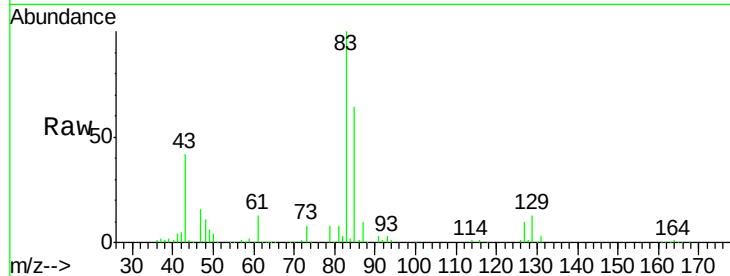
ClientSampleId :

ICVVX071918

Tot Ion:	83	Resp:	240717
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#48

Methyl methacrylate

Concen: 51.81 ug/l

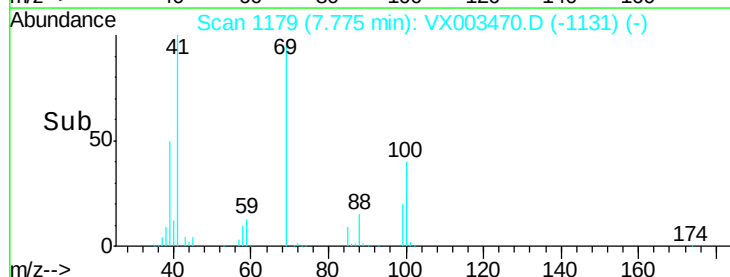
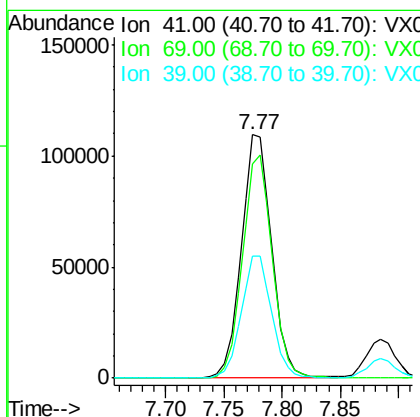
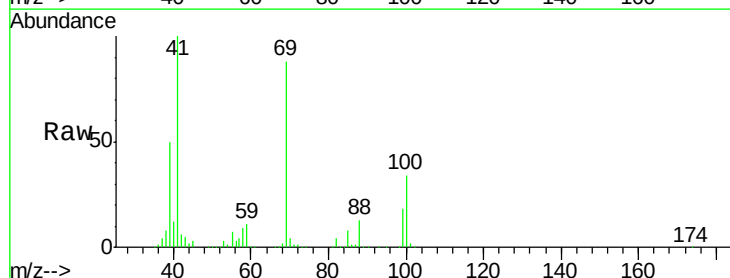
RT: 7.77 min Scan# 1179

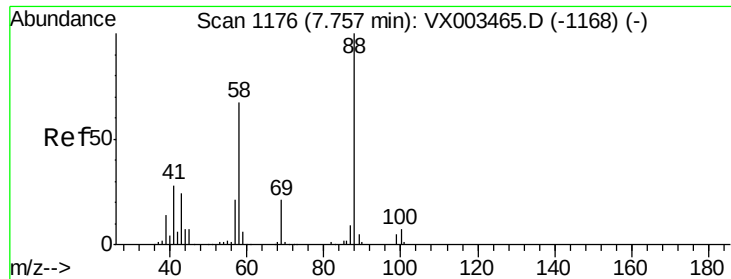
Delta R.T. -0.01 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion:	41	Resp:	197776
Ion Ratio	Lower	Upper	
41	100		
69	91.0	59.1	88.7#
39	50.2	48.9	73.3





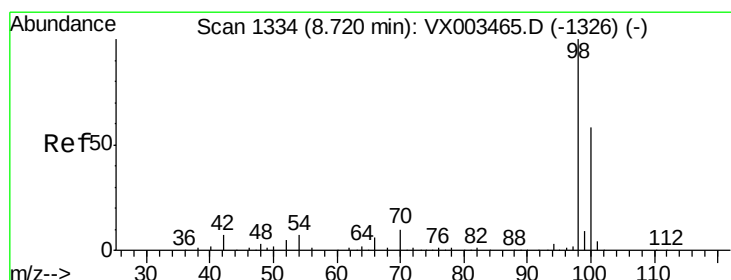
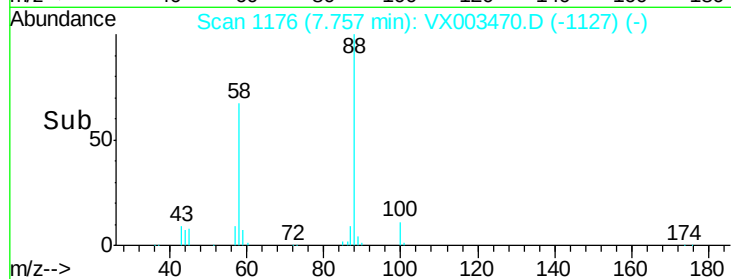
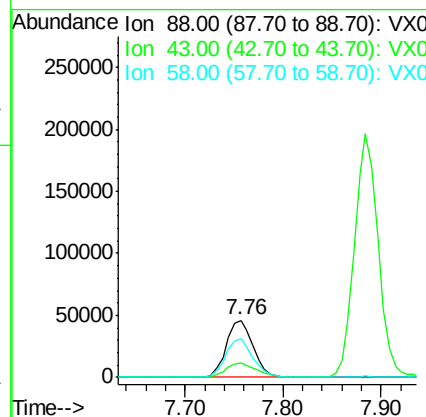
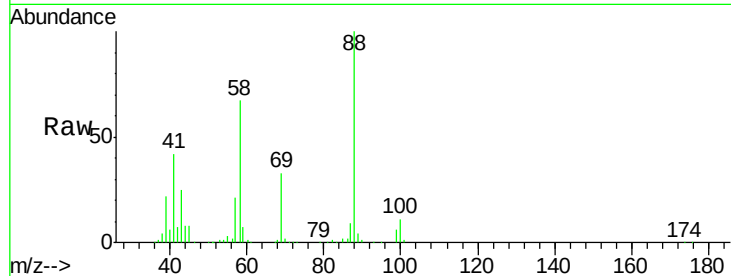
#49
1,4-Dioxane
Concen: 1012.96 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	88	Resp	87619
Ion	Ratio	Lower	Upper
88	100		
43	28.7	29.8	44.6#
58	69.7	57.1	85.7

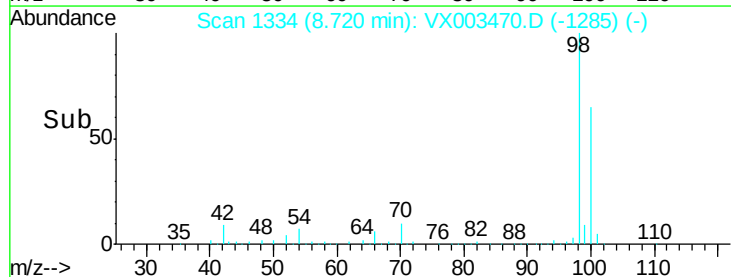
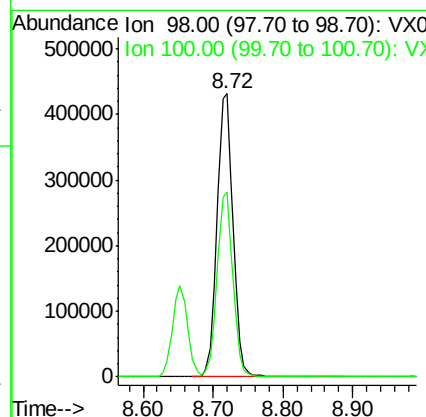
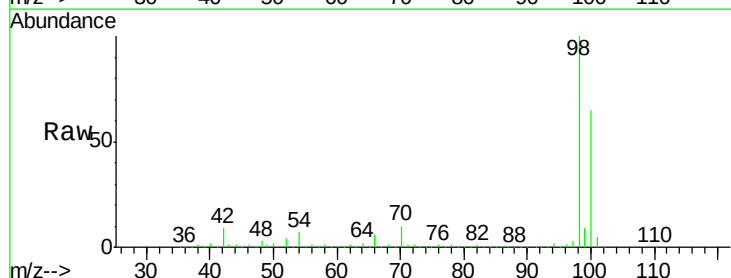
Manual Integrations
APPROVED

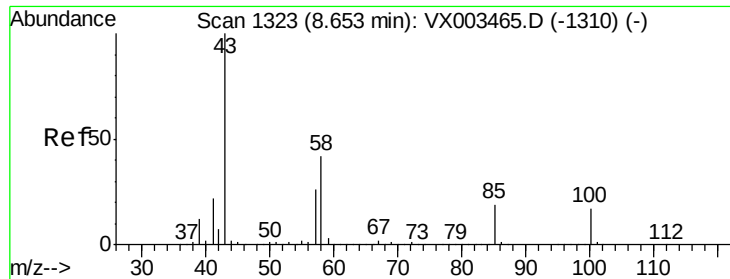
MMDadoda
7/20/2018 5:22:12 PM



#50
Toluene-d8
Concen: 51.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	98	Resp	682738
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





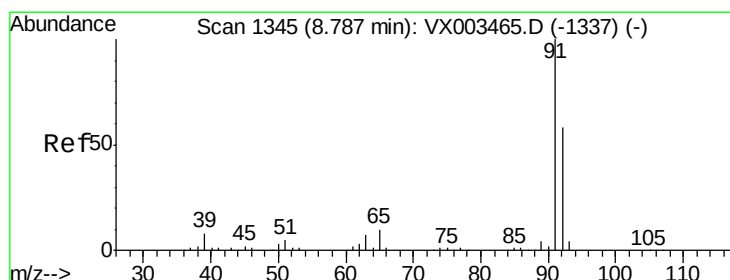
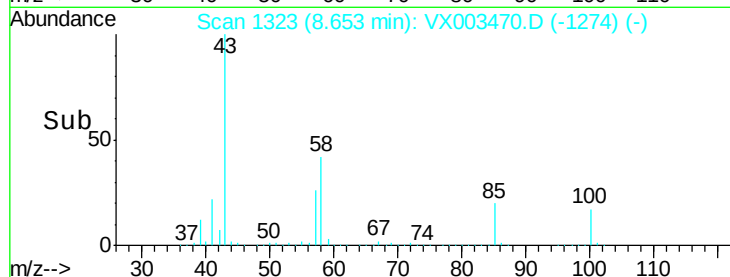
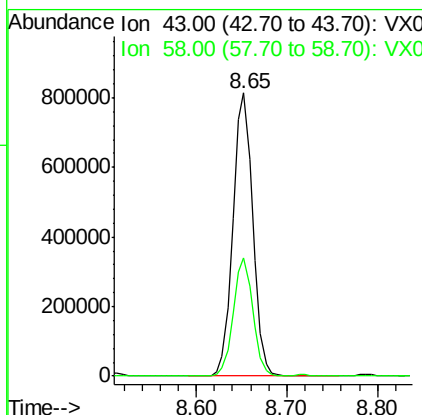
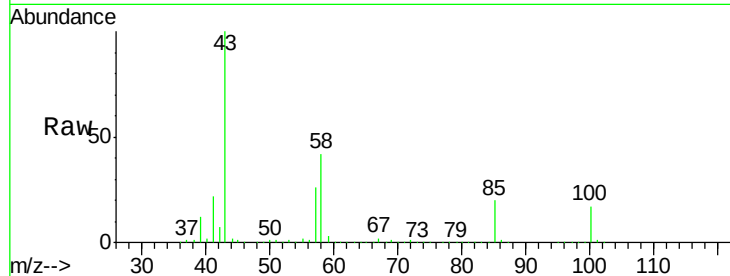
#51
4-Methyl-2-Pentanone
Concen: 261.55 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion: 43 Resp: 1250863
Ion Ratio Lower Upper
43 100
58 41.1 28.6 42.8

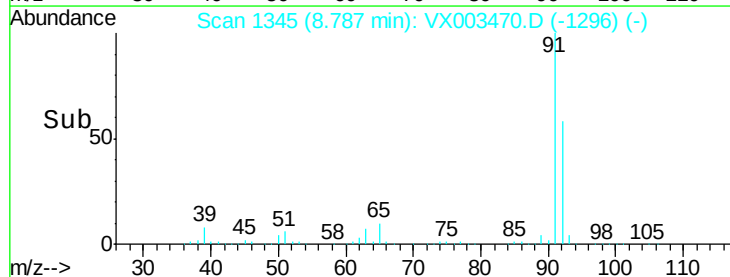
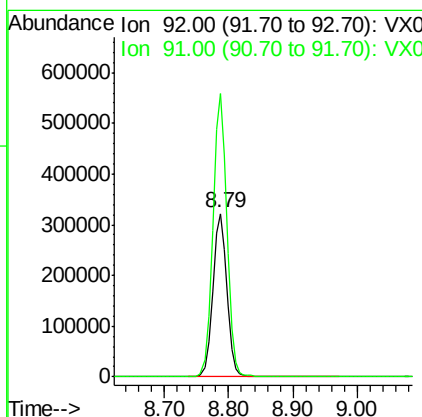
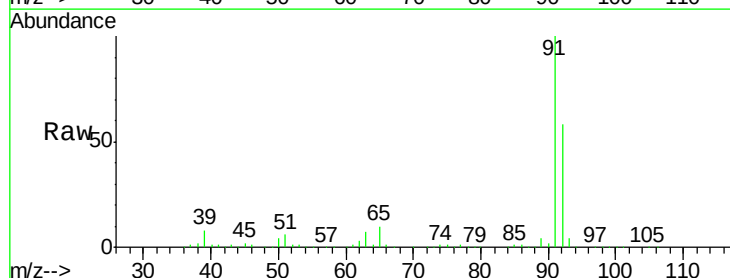
Manual Integrations
APPROVED

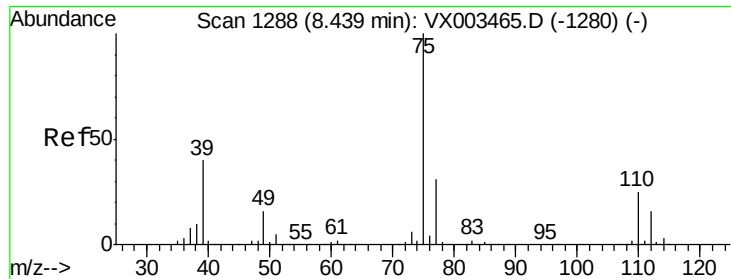
MMDadoda
7/20/2018 5:22:12 PM



#52
Toluene
Concen: 51.52 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion: 92 Resp: 492451
Ion Ratio Lower Upper
92 100
91 173.1 140.4 210.6





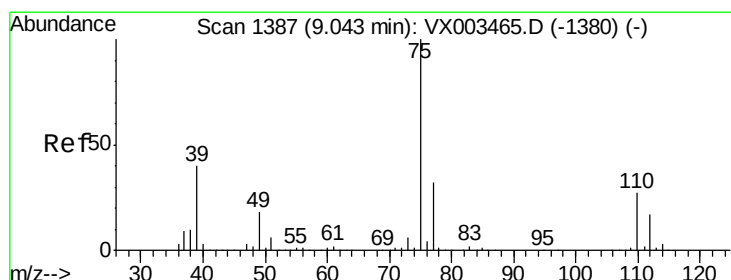
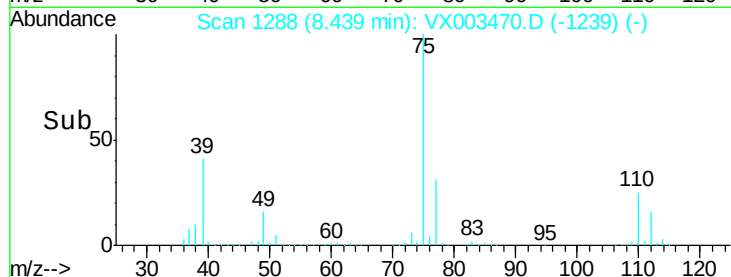
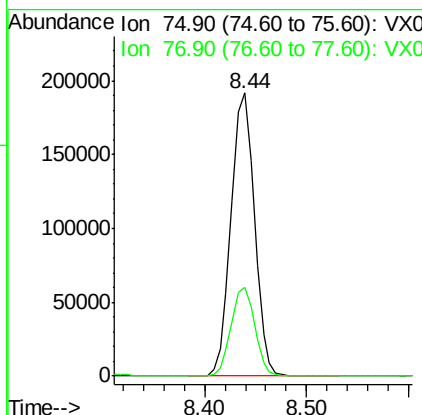
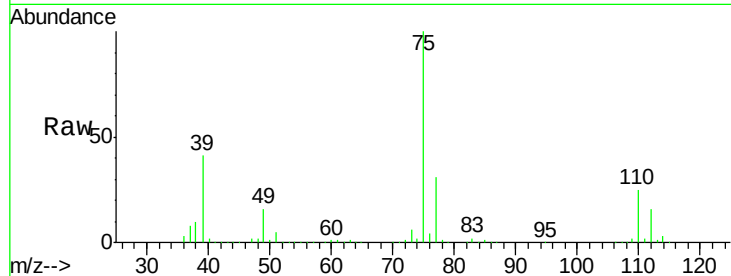
#53
 t-1,3-Dichloropropene
 Concen: 54.50 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

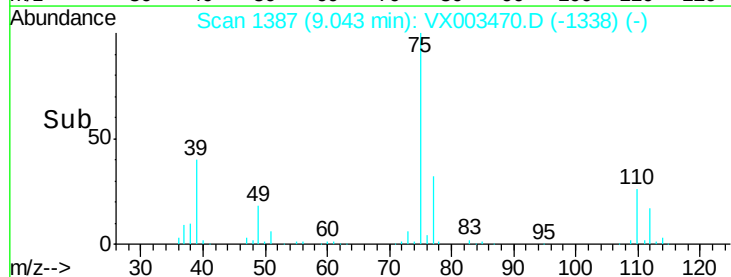
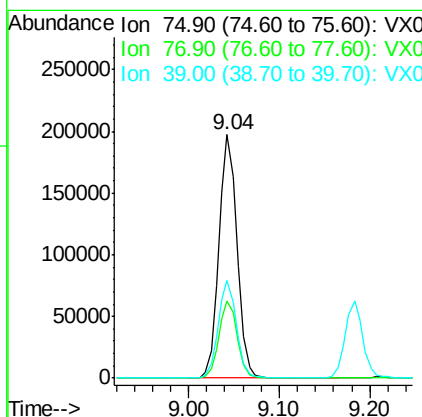
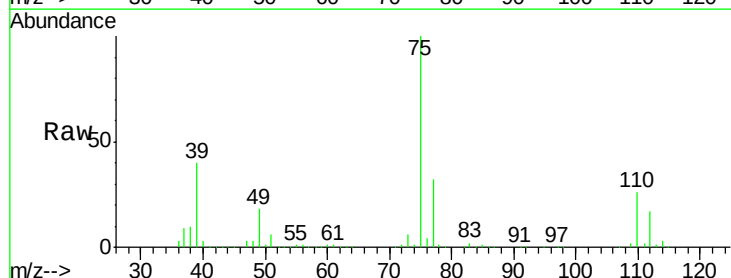
Manual Integrations
 APPROVED

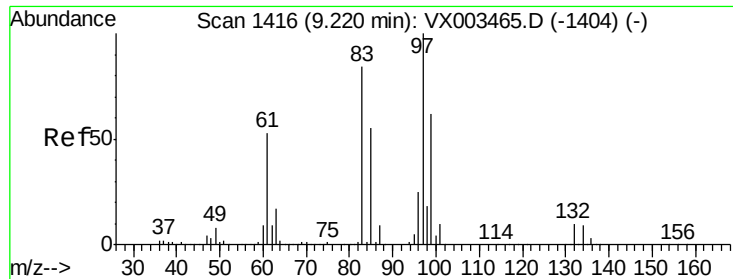
MMDadoda
 7/20/2018 5:22:12 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.78 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	39.8	42.4	63.6#





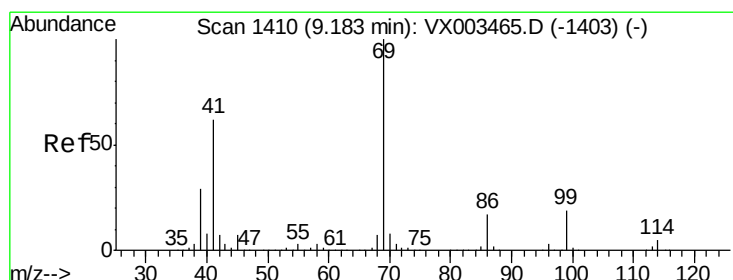
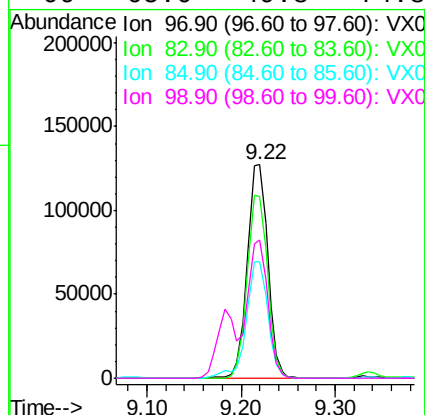
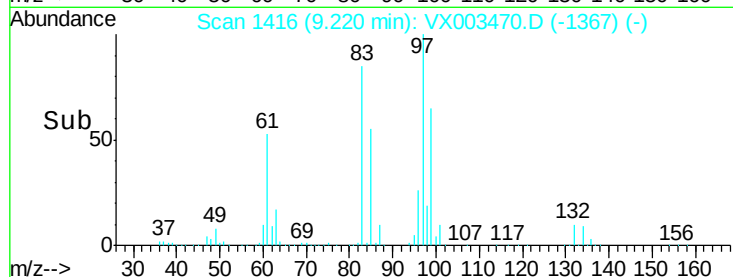
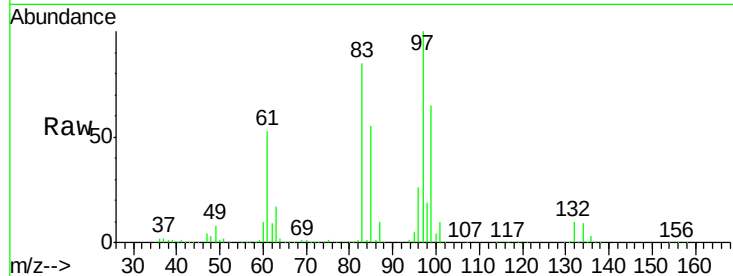
#55
 1,1,2-Trichloroethane
 Concen: 51.33 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion:	97	Resp:	195223
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	54.6	44.9	67.3
99	65.0	49.8	74.8

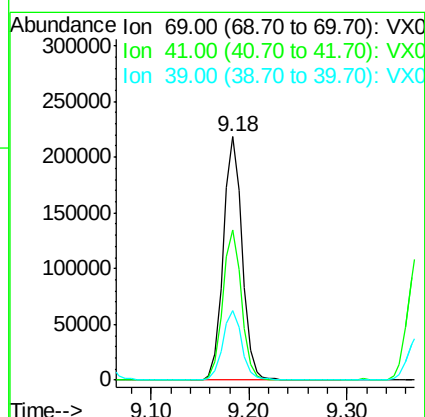
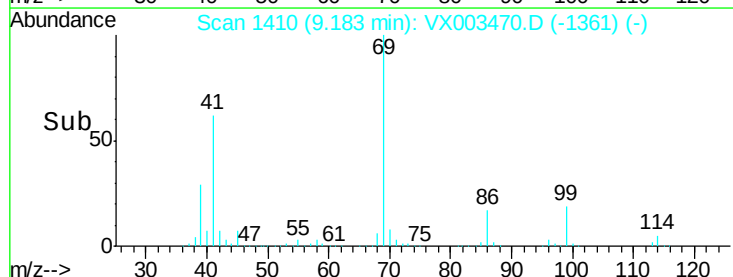
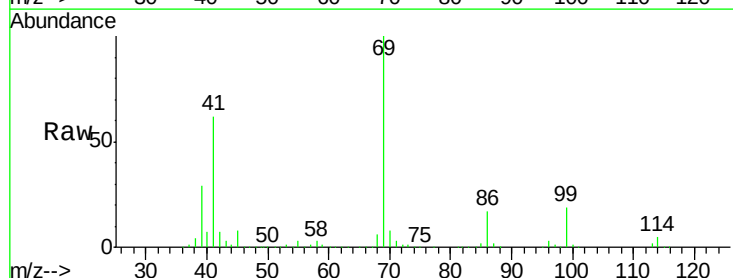
Manual Integrations
 APPROVED

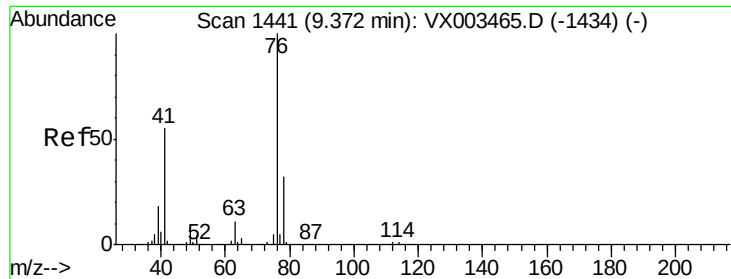
MMDadoda
 7/20/2018 5:22:12 PM



#56
 Ethyl methacrylate
 Concen: 54.47 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion:	69	Resp:	291773
Ion	Ratio	Lower	Upper
69	100		
41	61.4	60.3	90.5
39	29.1	35.8	53.8#





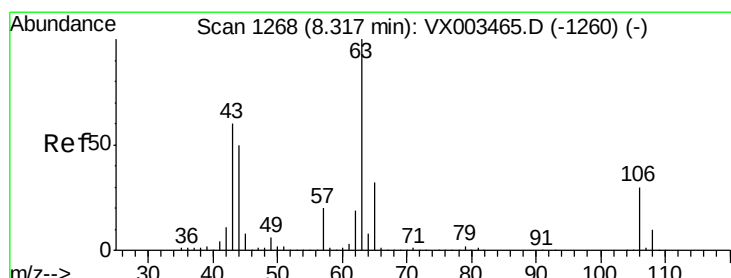
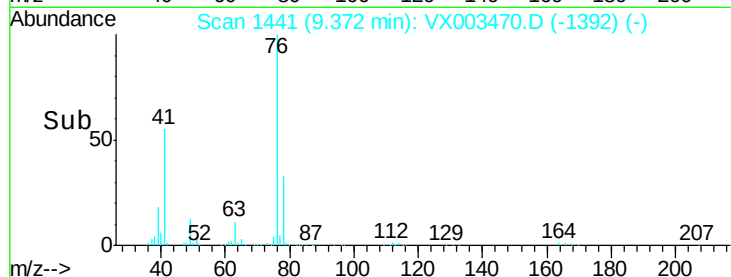
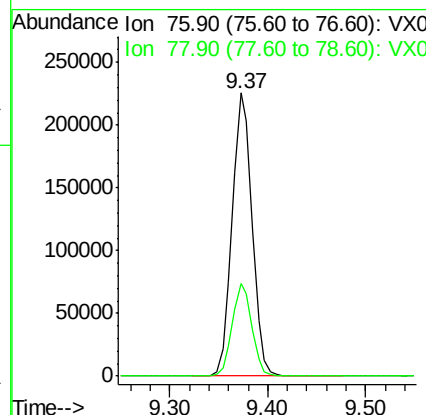
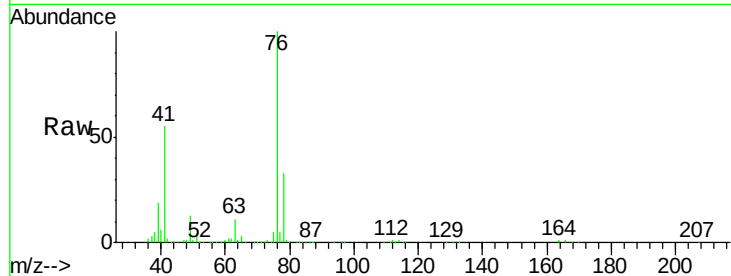
#57
 1,3-Dichloropropane
 Concen: 51.90 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

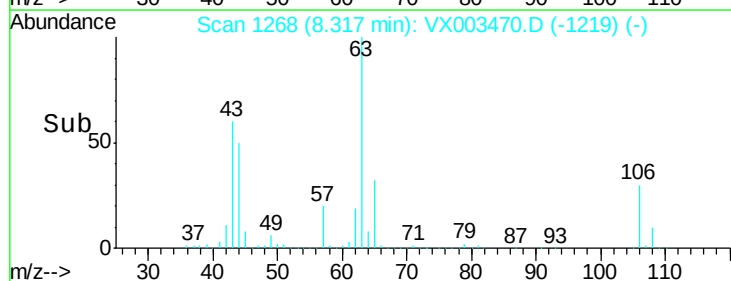
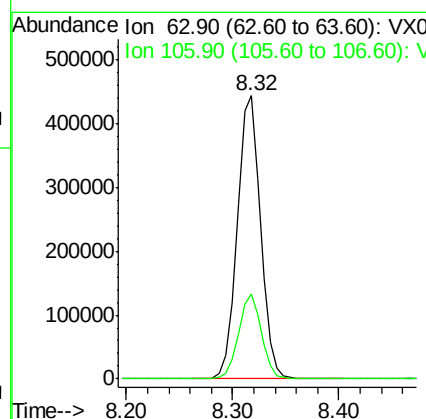
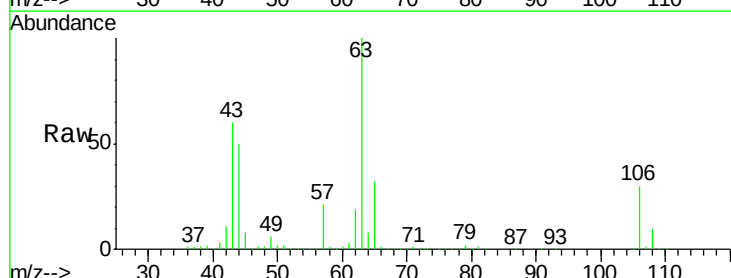
Manual Integrations
 APPROVED

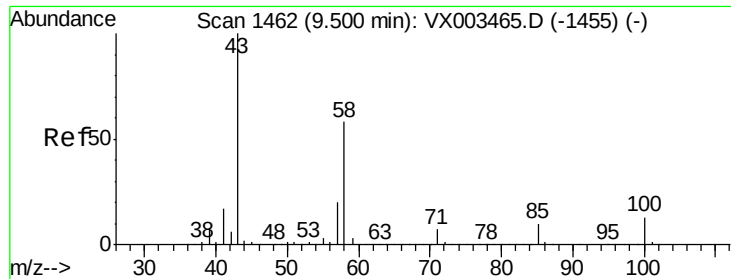
MMDadoda
 7/20/2018 5:22:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.17 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	21.8	32.8





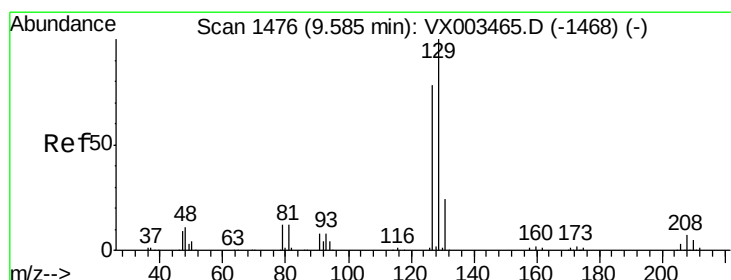
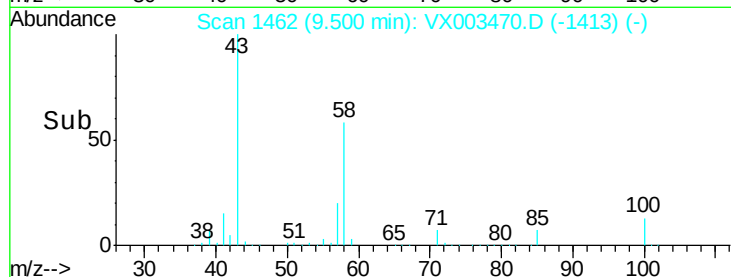
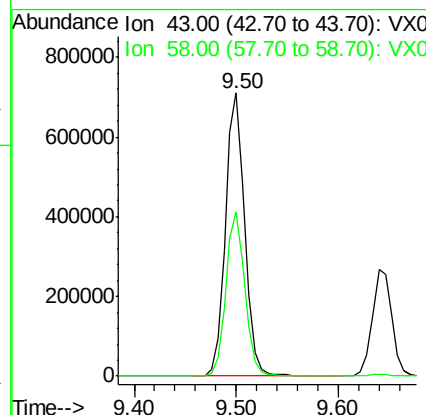
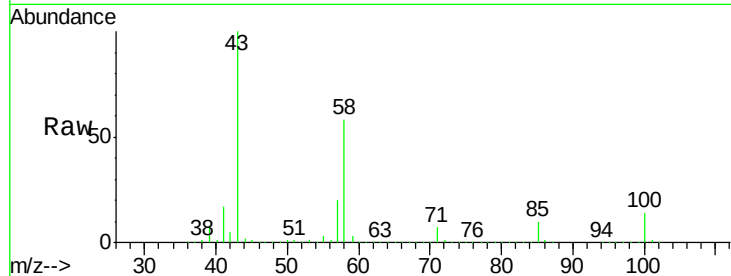
#59
2-Hexanone
Concen: 263.49 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion: 43 Resp: 933642
Ion Ratio Lower Upper
43 100
58 57.4 24.6 73.6

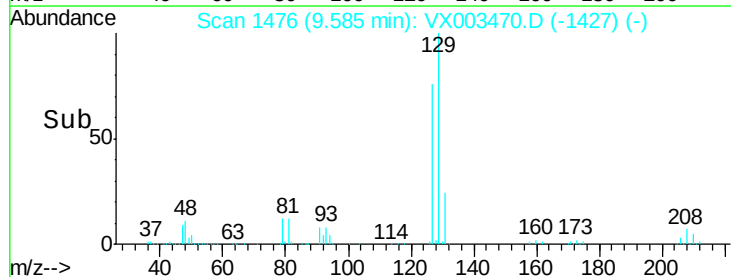
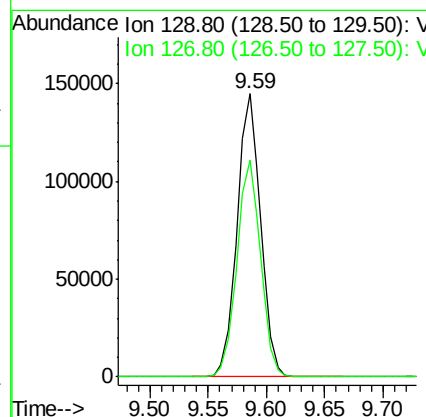
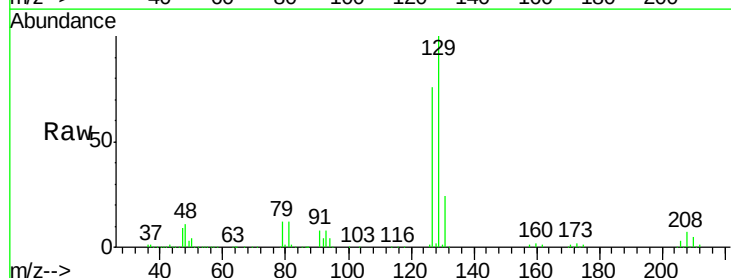
Manual Integrations
APPROVED

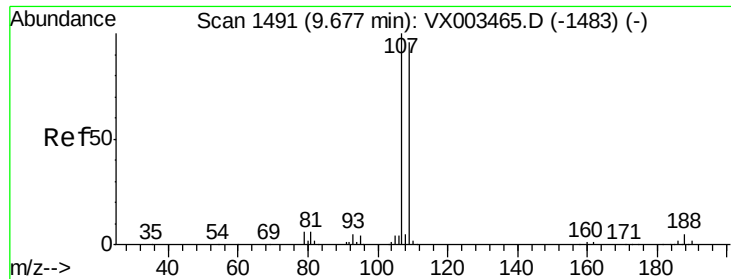
MMDadoda
7/20/2018 5:22:12 PM



#60
Dibromochloromethane
Concen: 54.24 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion: 129 Resp: 204188
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion:107 Resp: 203462

Ion Ratio Lower Upper

107 100

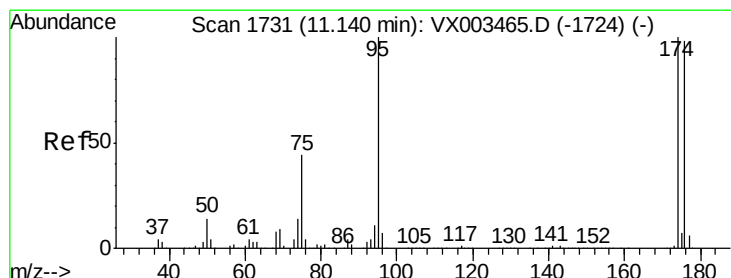
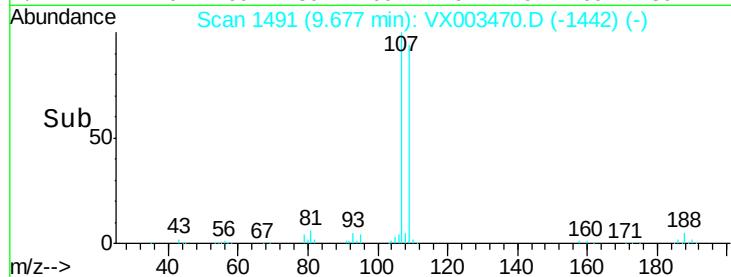
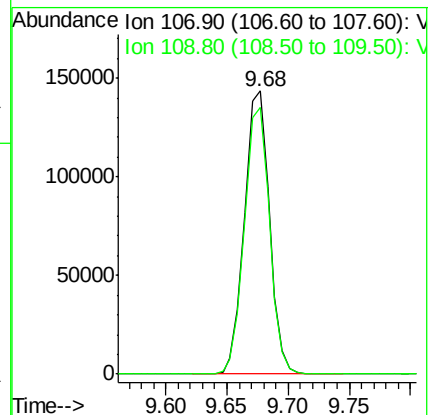
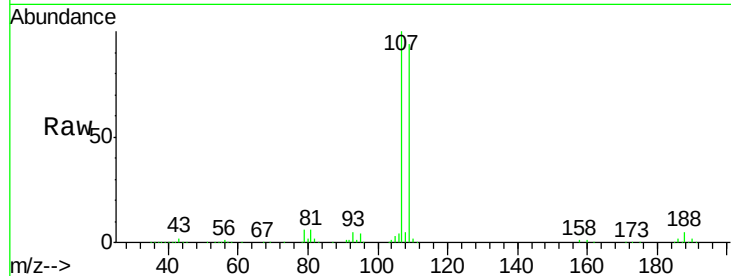
109 95.0 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#62

4-Bromofluorobenzene

Concen: 51.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

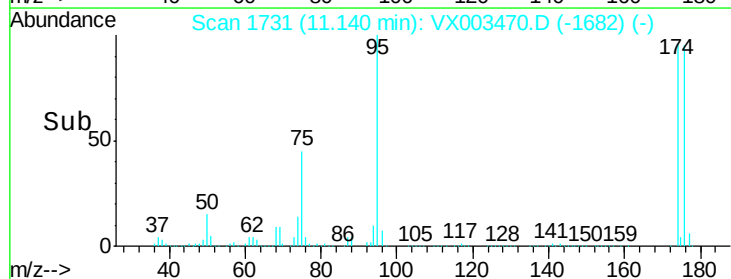
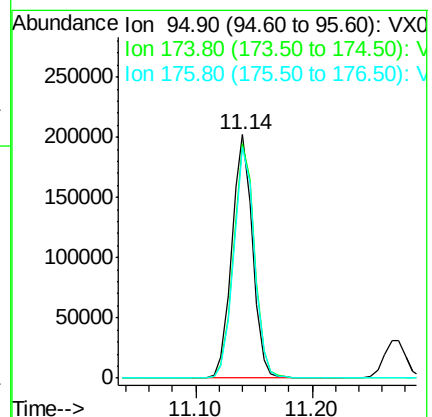
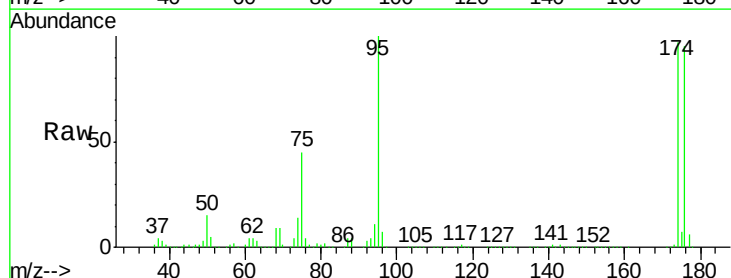
Tgt Ion: 95 Resp: 249547

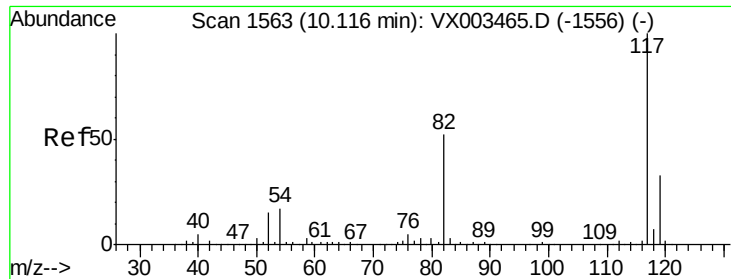
Ion Ratio Lower Upper

95 100

174 98.0 0.0 187.4

176 95.2 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

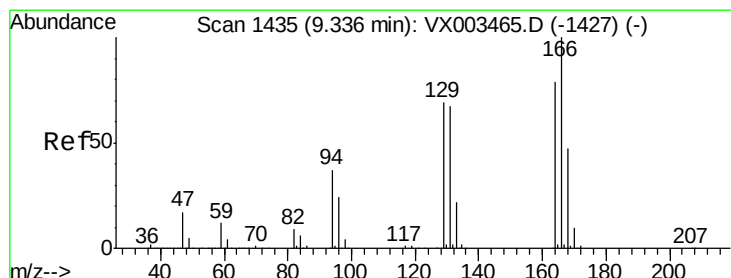
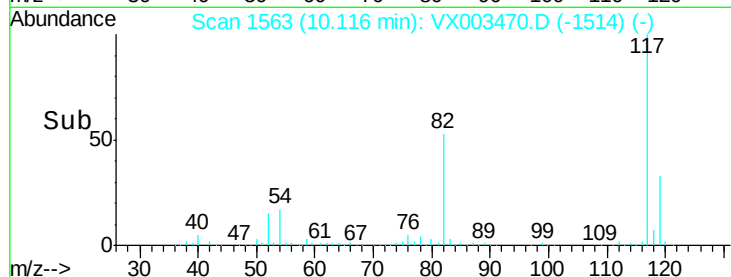
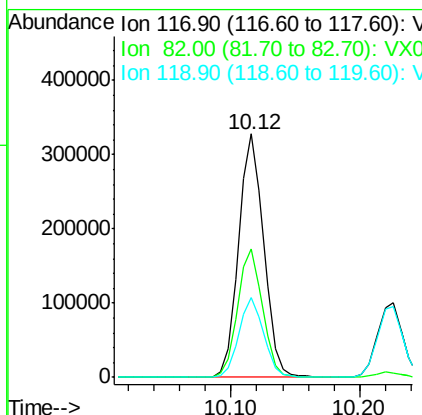
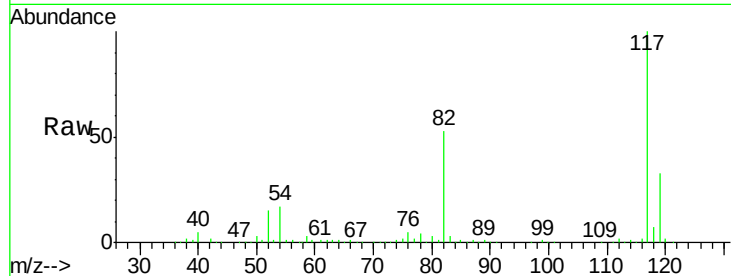
ClientSampleId :

ICVVX071918

Tot Ion:	117	Resp:	441946
Ion Ratio	Lower	Upper	
117	100		
82	52.6	45.0	67.4
119	32.9	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#64

Tetrachloroethene

Concen: 49.75 ug/l

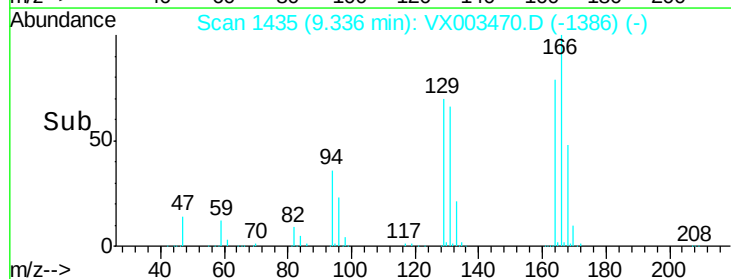
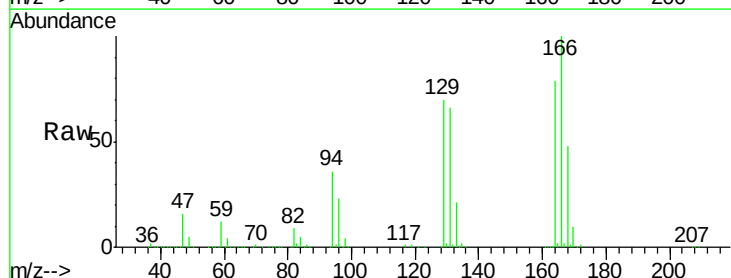
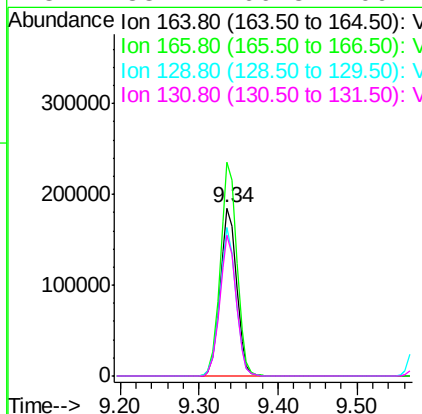
RT: 9.34 min Scan# 1435

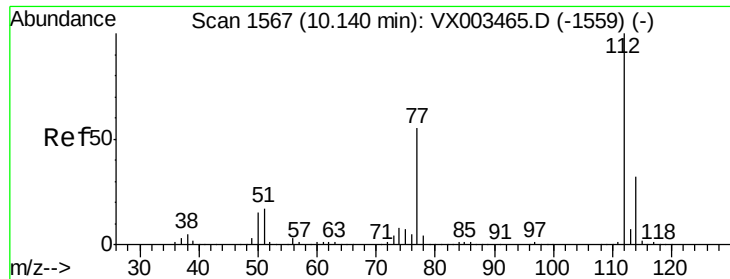
Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion:	164	Resp:	267874
Ion Ratio	Lower	Upper	
164	100		
166	126.9	102.9	154.3
129	88.3	68.6	102.8
131	83.4	66.8	100.2





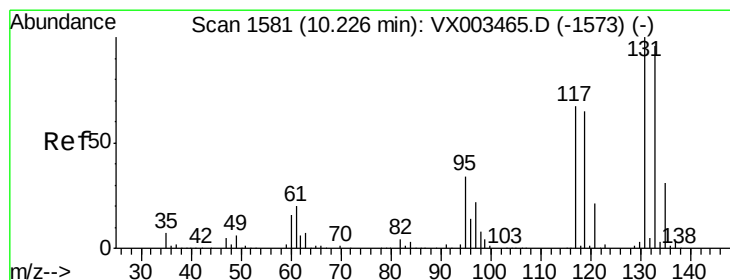
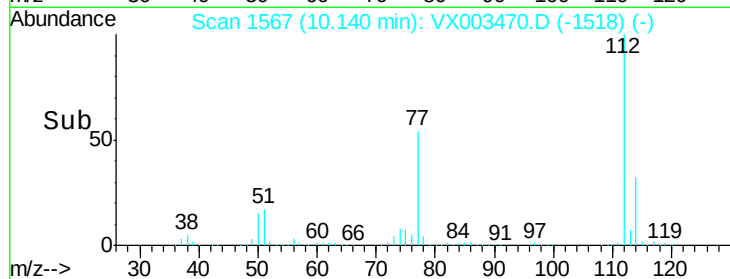
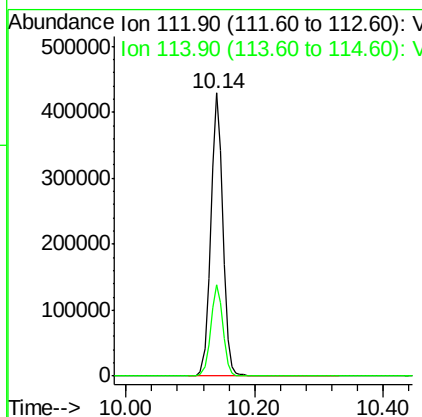
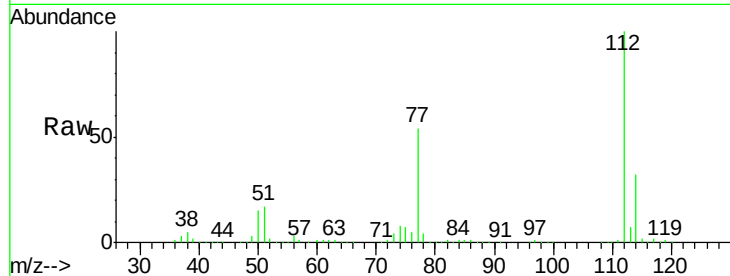
#65
Chlorobenzene
Concen: 49.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion:112 Resp: 565216
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

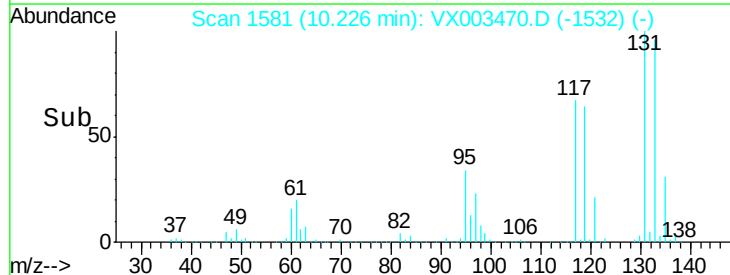
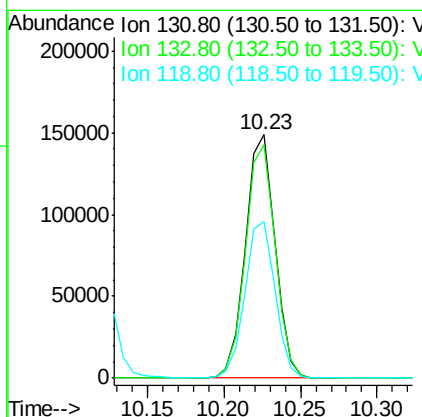
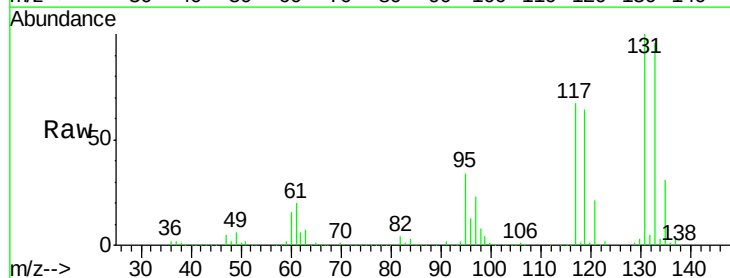
Manual Integrations
APPROVED

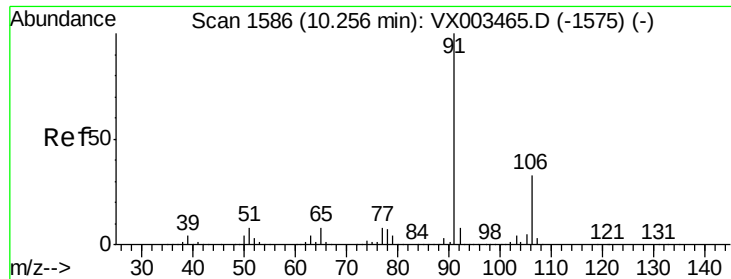
MMDadoda
7/20/2018 5:22:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.08 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion:131 Resp: 200129
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.6
119 65.5 31.8 95.3





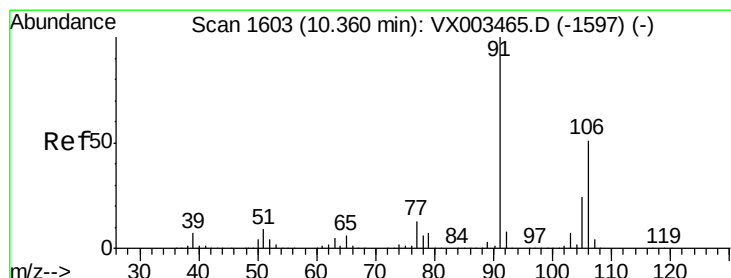
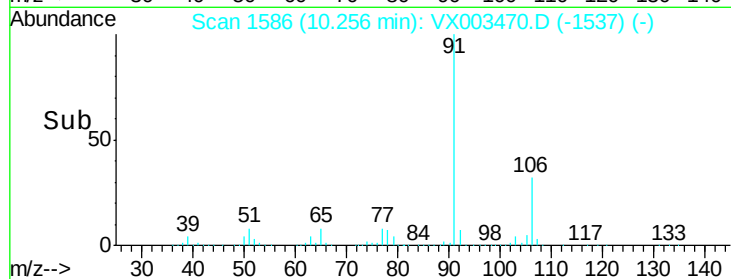
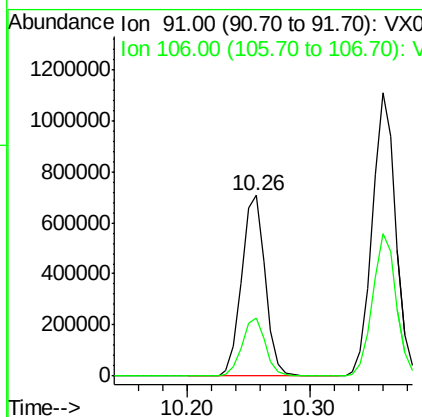
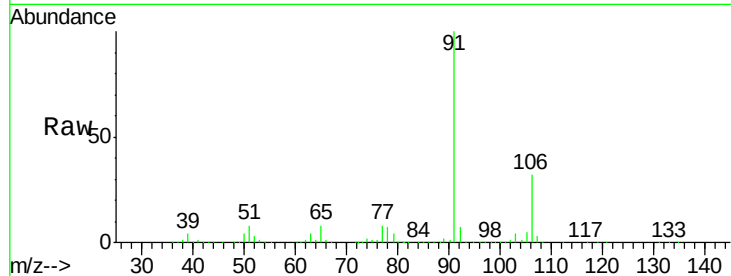
#67
Ethyl Benzene
Concen: 51.50 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampled :
ICVVX071918

Tot Ion: 91 Resp: 942857
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

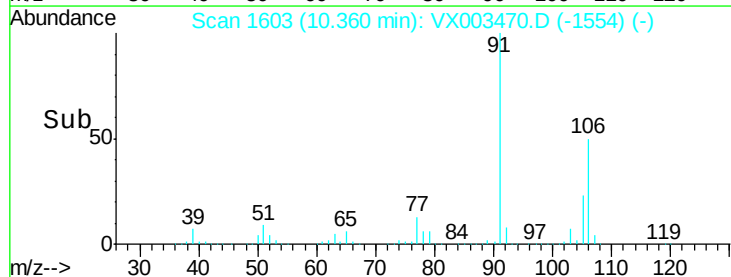
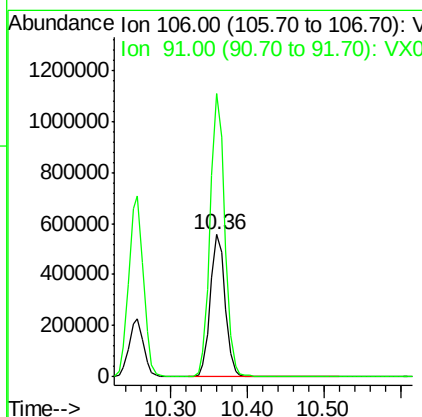
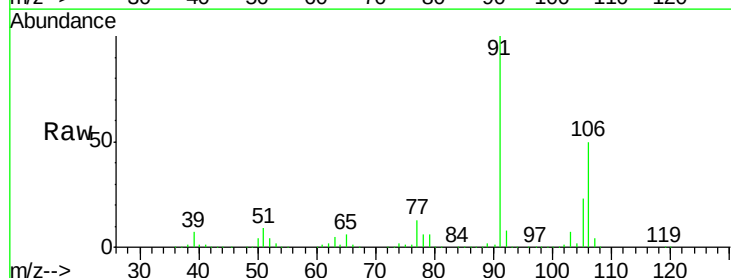
Manual Integrations
APPROVED

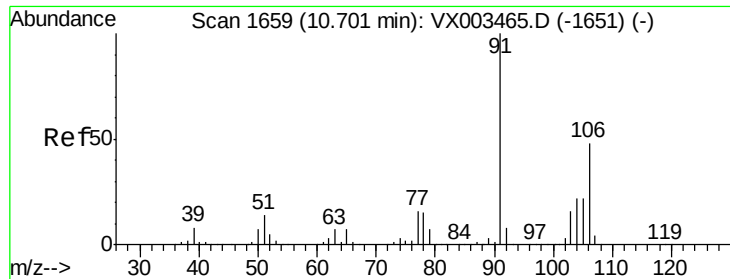
MMDadoda
7/20/2018 5:22:12 PM



#68
m/p-Xylenes
Concen: 104.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion: 106 Resp: 748918
Ion Ratio Lower Upper
106 100
91 197.1 163.4 245.2





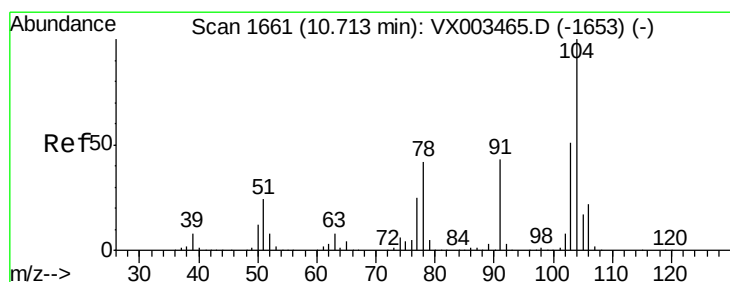
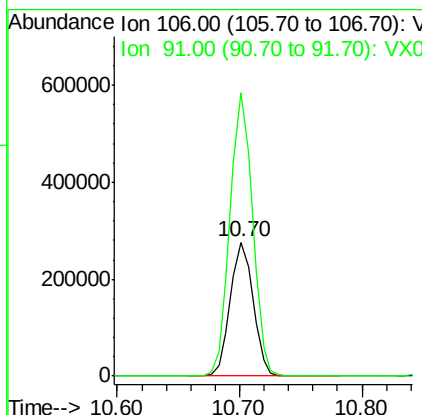
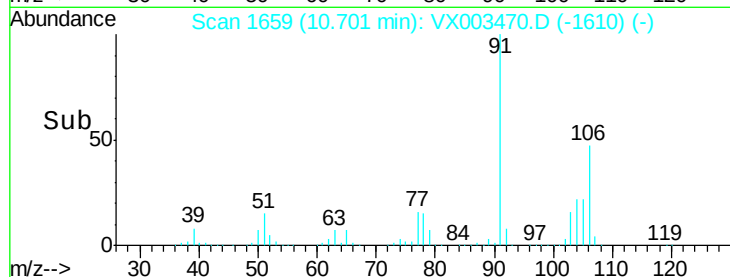
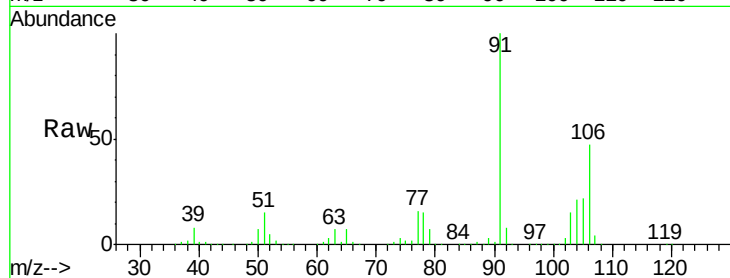
#69
o-Xylene
Concen: 51.51 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion:106 Resp: 357507
Ion Ratio Lower Upper
106 100
91 209.3 108.2 324.6

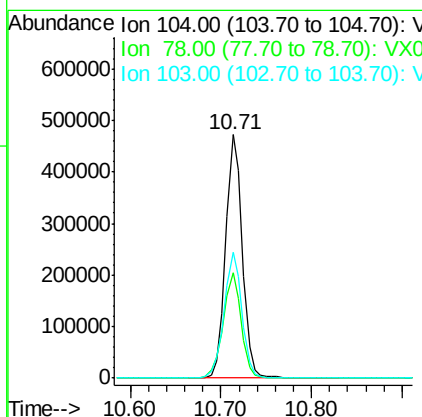
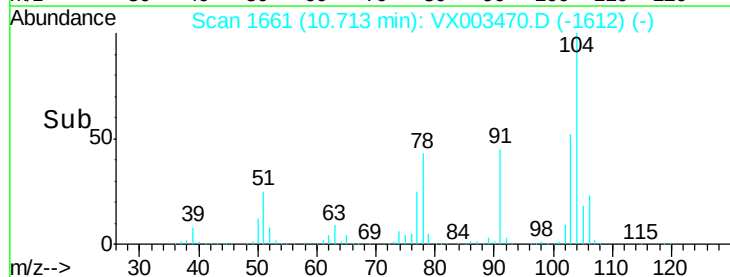
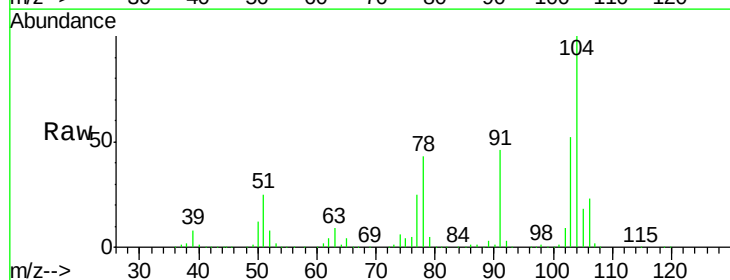
Manual Integrations
APPROVED

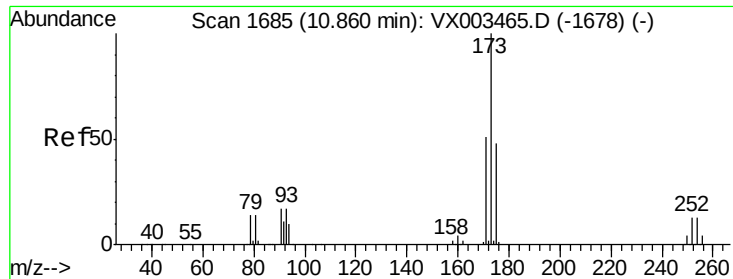
MMDadoda
7/20/2018 5:22:12 PM



#70
Styrene
Concen: 52.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion:104 Resp: 604267
Ion Ratio Lower Upper
104 100
78 46.7 41.0 61.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 53.19 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

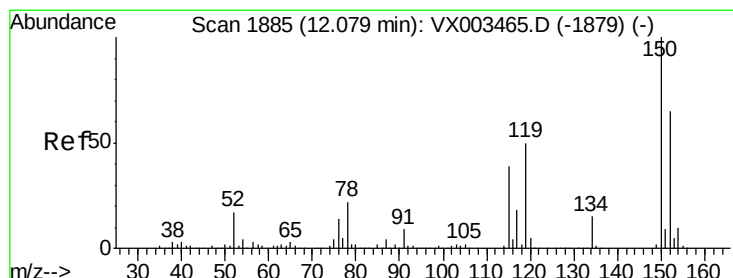
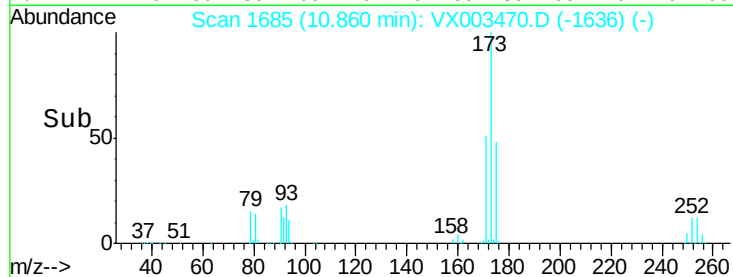
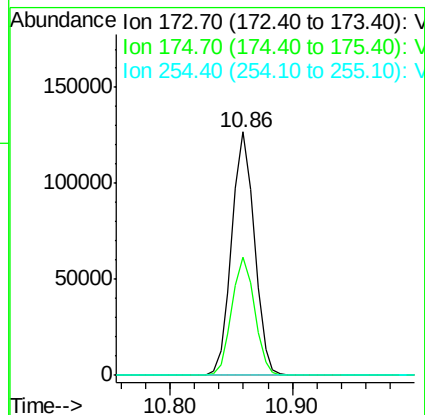
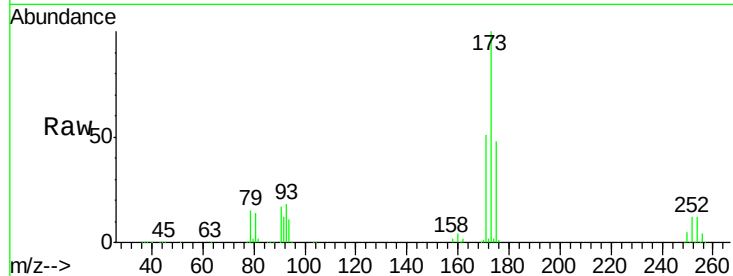
ClientSampleId :

ICVVX071918

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

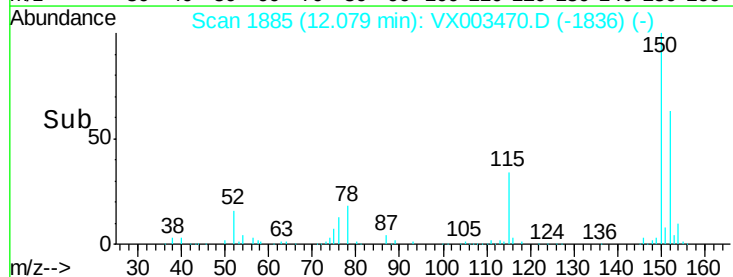
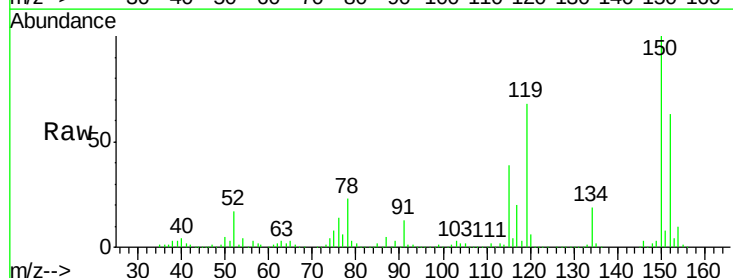
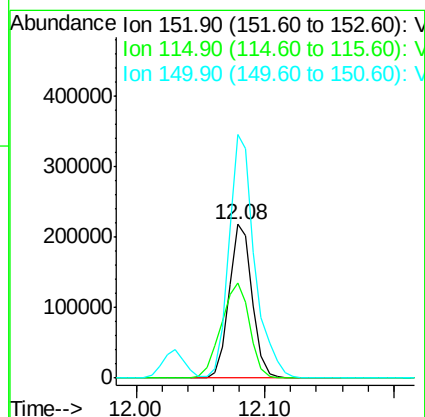
RT: 12.08 min Scan# 1885

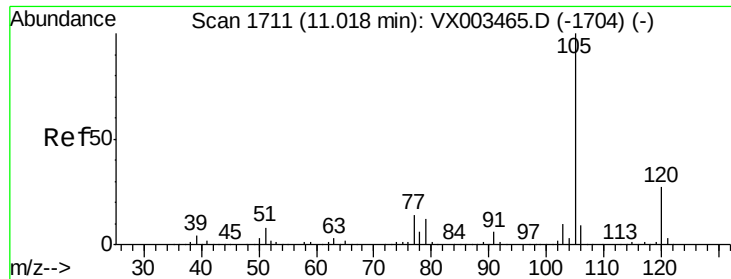
Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.2	40.1	120.2
150	175.6	0.0	347.2





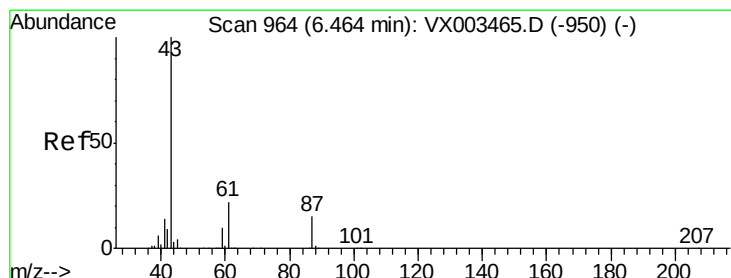
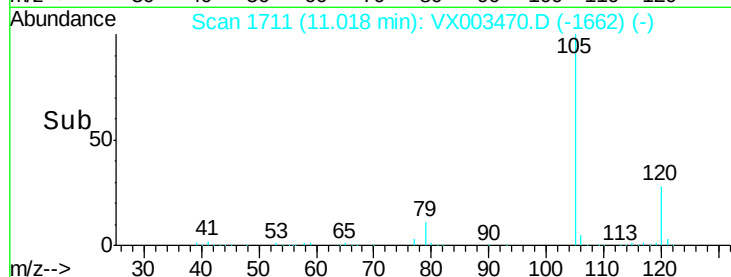
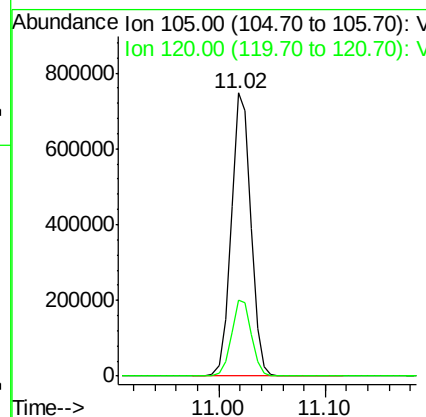
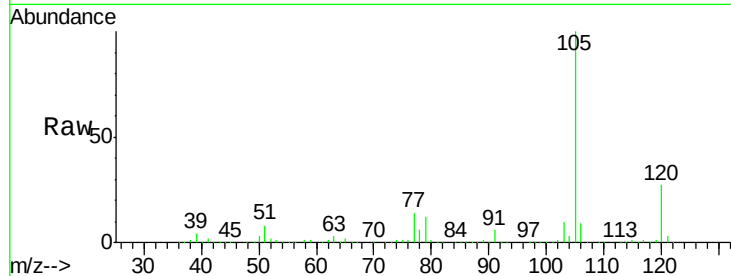
#73
Isopropylbenzene
Concen: 50.53 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
105	100	961608		
120	27.2	13.5	40.4	

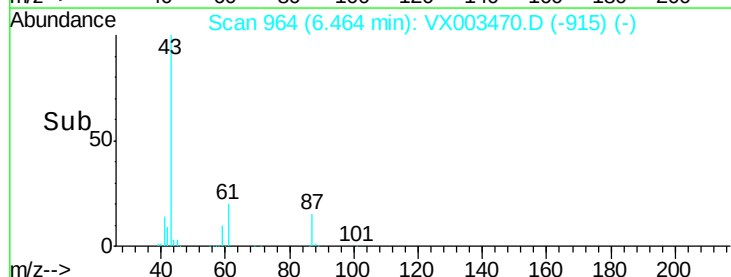
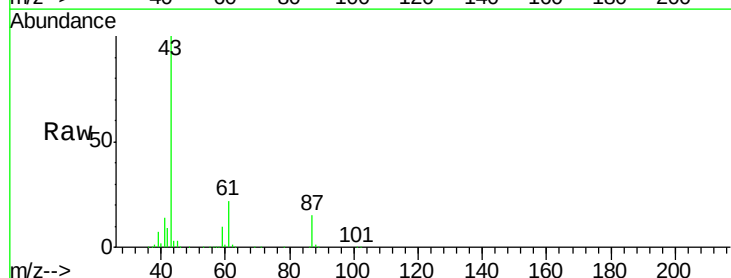
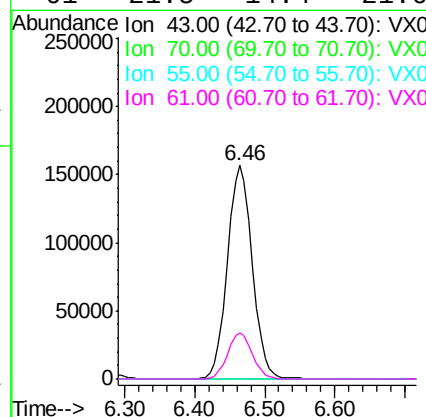
Manual Integrations
APPROVED

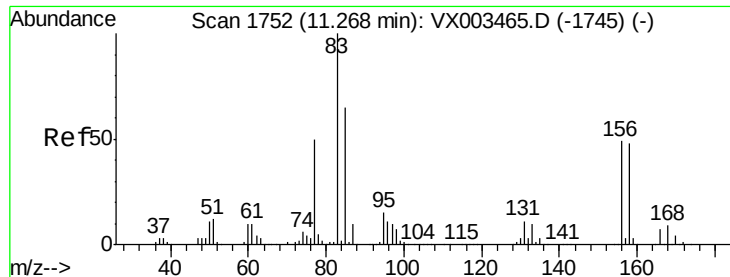
MMDadoda
7/20/2018 5:22:12 PM



#74
N-ethyl acetate
Concen: 47.62 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	384815		
70	0.0	0.0	0.0	
55	0.1	0.0	0.0	
61	21.5	14.4	21.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 48.79 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 83 Resp: 272086

Ion Ratio Lower Upper

83 100

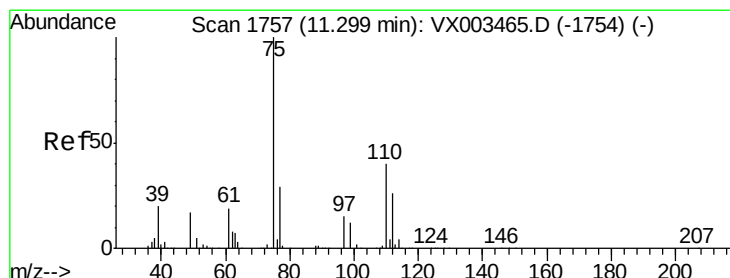
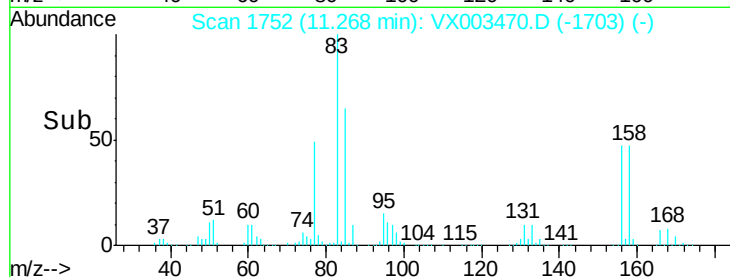
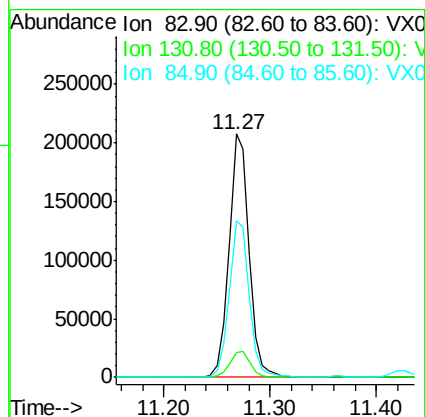
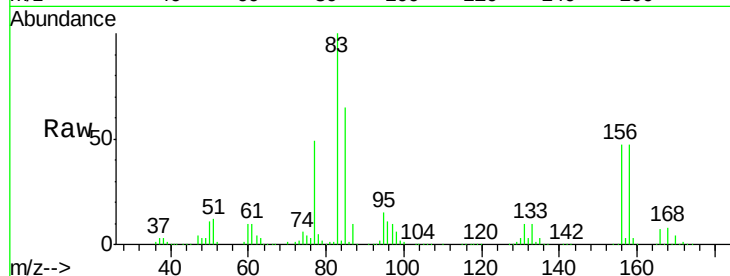
131 11.0 5.6 16.8

85 65.1 32.4 97.2

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#76

1,2,3-Trichloropropane

Concen: 57.62 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003470.D

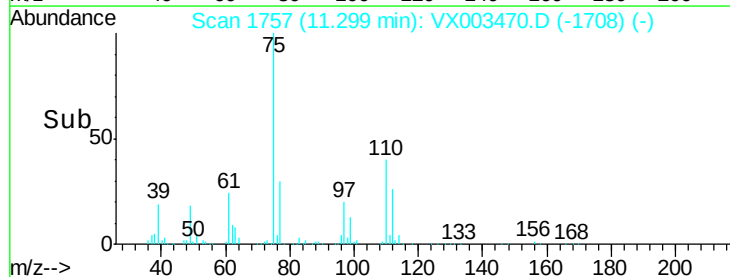
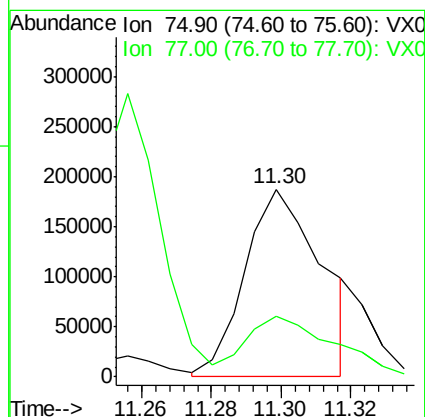
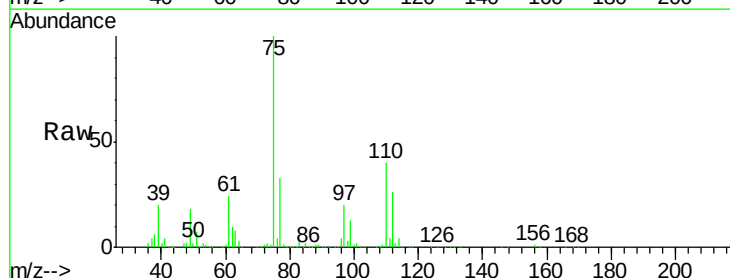
Acq: 19 Jul 2018 17:26

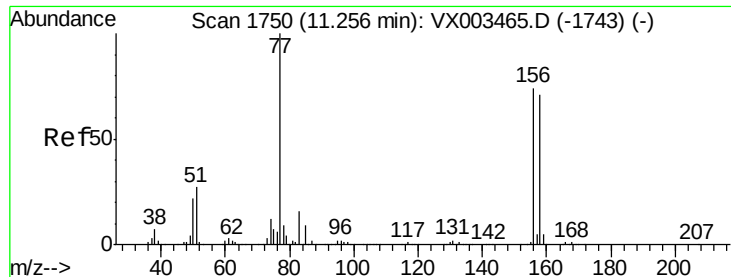
Tgt Ion: 75 Resp: 284856

Ion Ratio Lower Upper

75 100

77 37.4 22.8 68.3





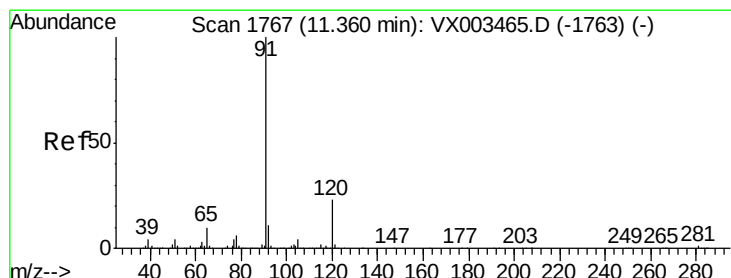
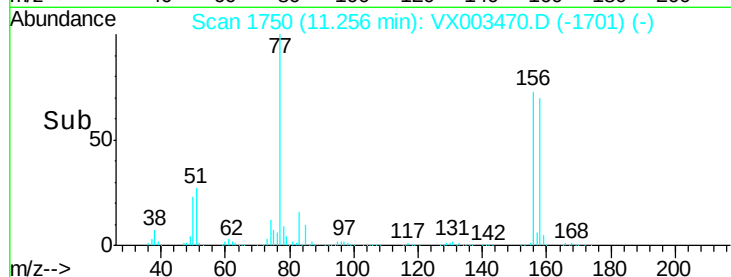
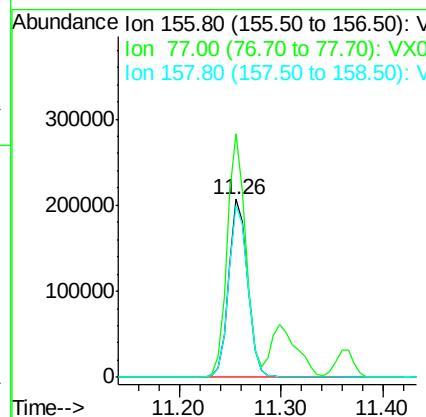
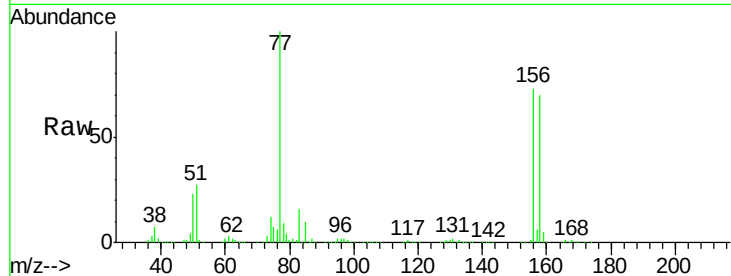
#77
Bromobenzene
Concen: 48.45 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	71.4	214.2
158	97.9	48.9	146.6

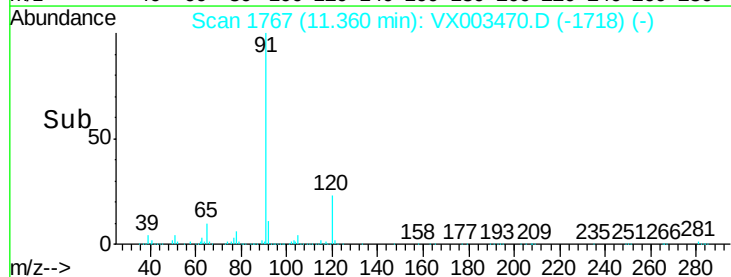
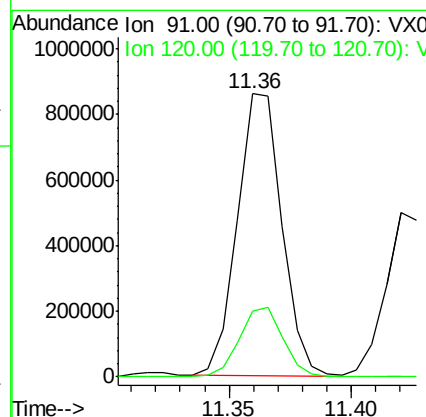
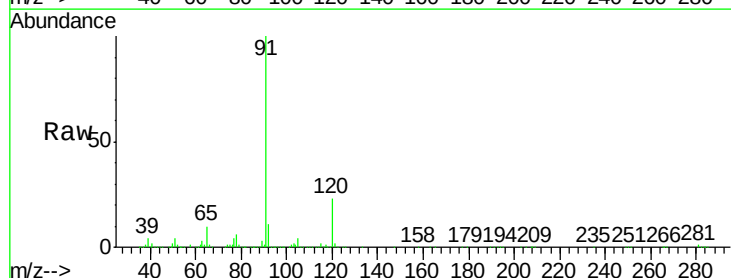
Manual Integrations
APPROVED

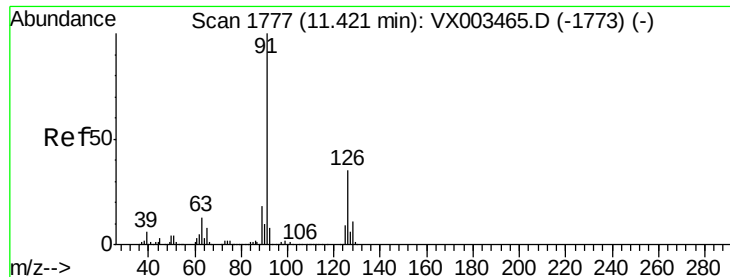
MMDadoda
7/20/2018 5:22:12 PM



#78
n-propylbenzene
Concen: 51.40 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.81 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion: 91 Resp: 639629

Ion Ratio Lower Upper

91 100

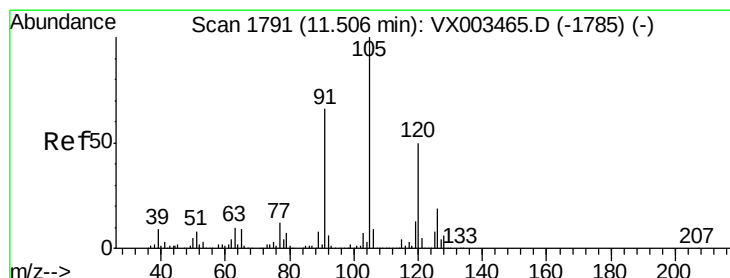
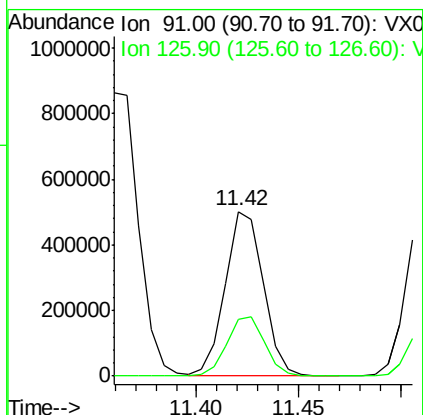
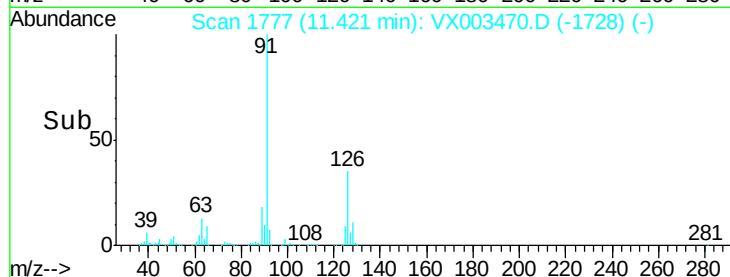
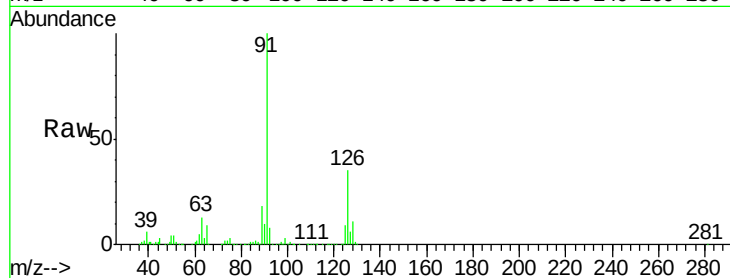
126 36.4 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:12 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.90 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003470.D

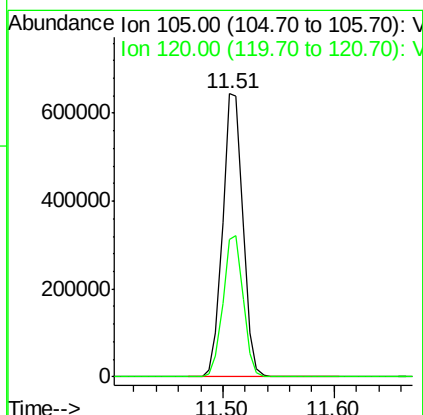
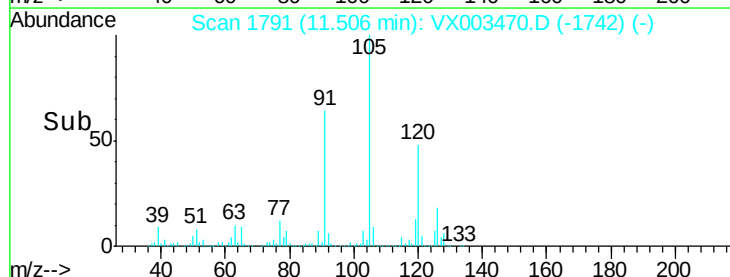
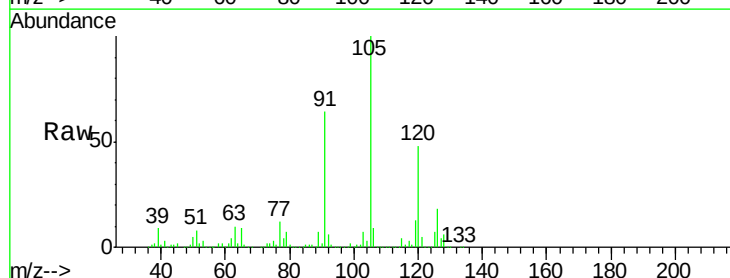
Acq: 19 Jul 2018 17:26

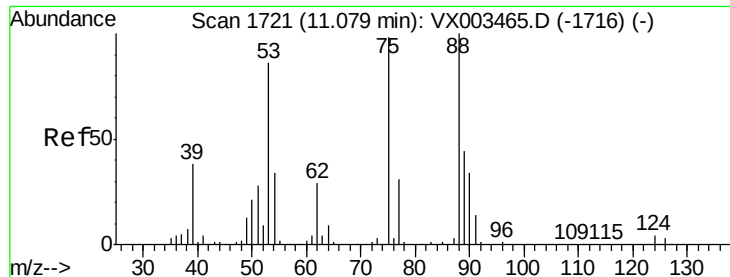
Tgt Ion: 105 Resp: 811643

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.4





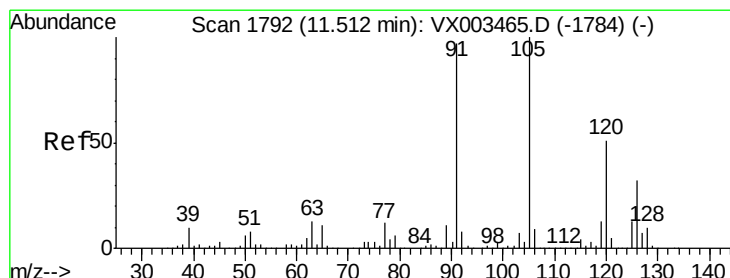
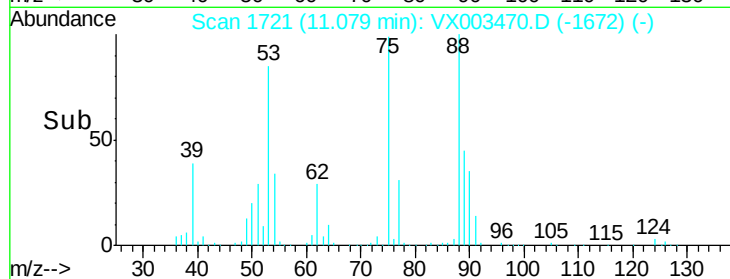
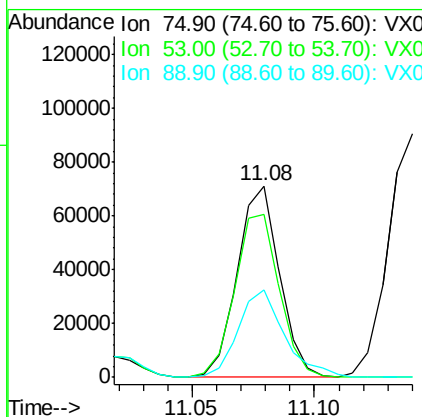
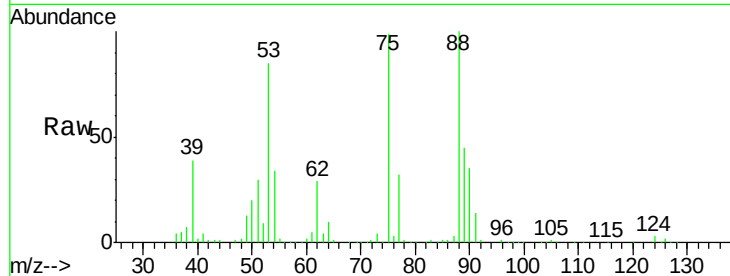
#81
trans-1,4-Dichloro-2-butene
Concen: 48.99 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	86.8	130.2
89	50.5	38.2	57.2

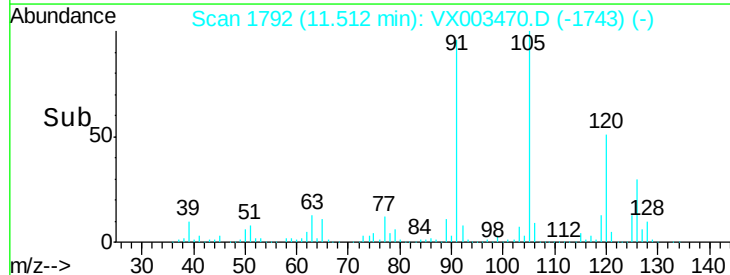
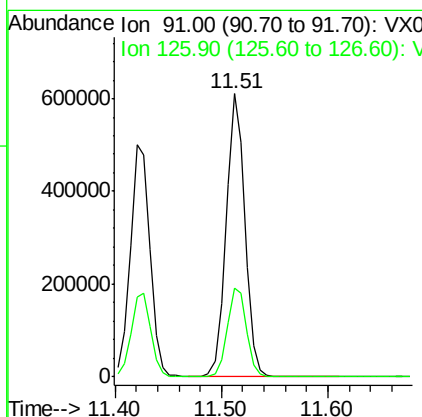
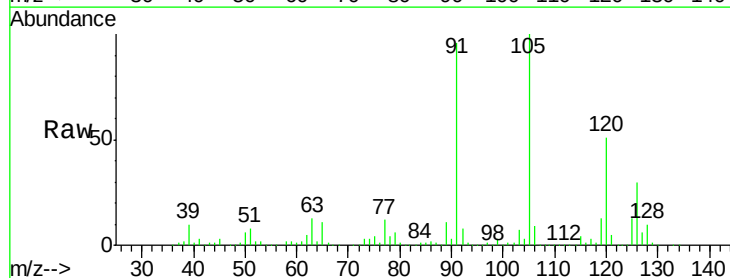
Manual Integrations
APPROVED

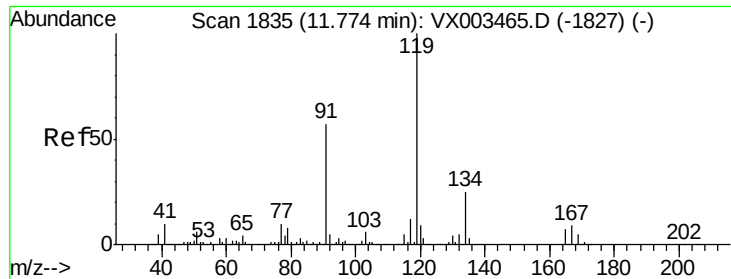
MMDadoda
7/20/2018 5:22:12 PM



#82
4-Chlorotoluene
Concen: 50.10 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.4	46.4





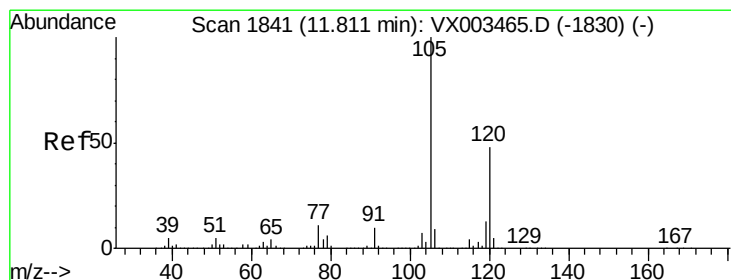
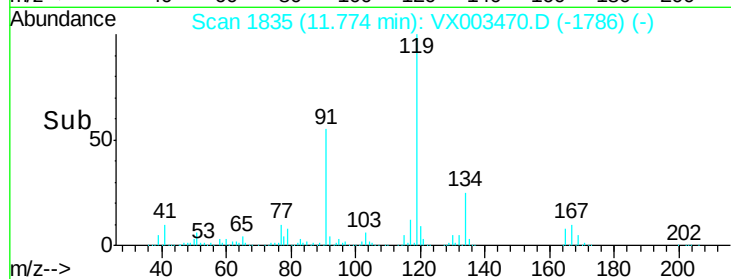
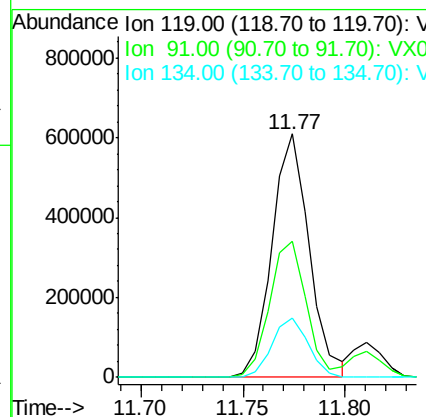
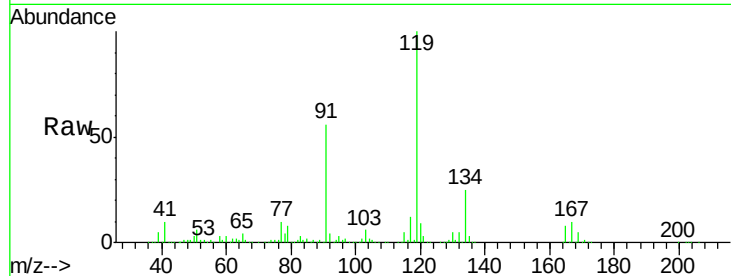
#83
 tert-Butylbenzene
 Concen: 50.62 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	775322		
91	54.9		30.3	90.9
134	24.0		11.7	35.1

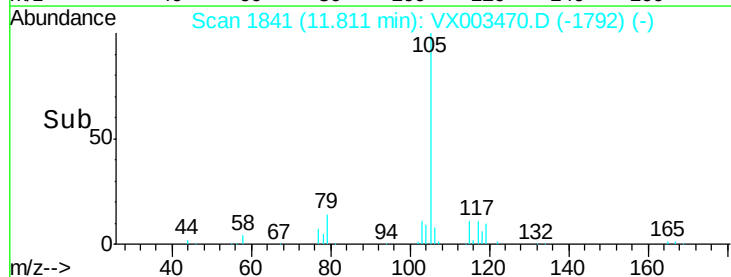
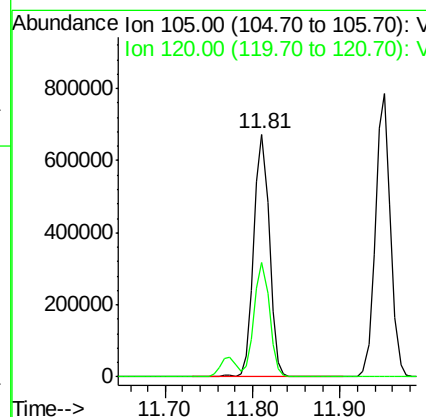
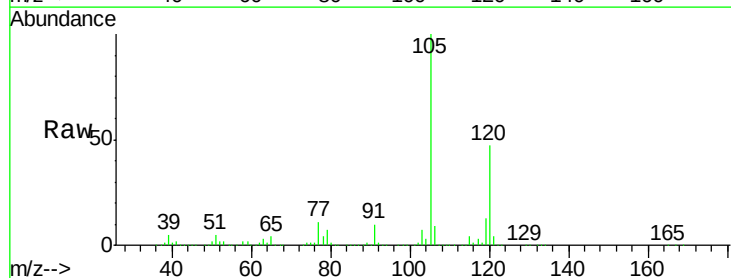
Manual Integrations
 APPROVED

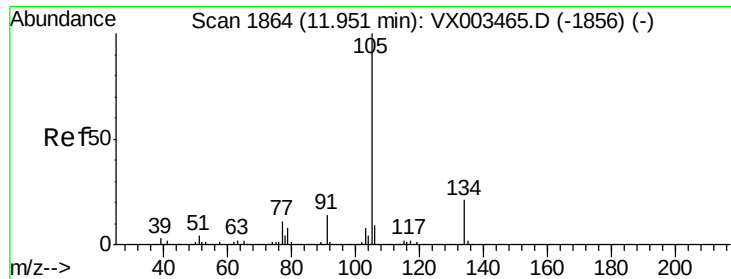
MMDadoda
 7/20/2018 5:22:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.88 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	825618		
120	46.3		22.3	66.8





#85

sec-Butylbenzene

Concen: 51.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071918

Tot Ion:105 Resp: 954209

Ion Ratio Lower Upper

105 100

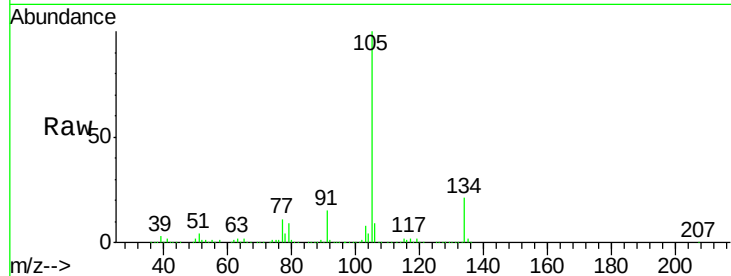
134 21.0 10.4 31.1

Manual Integrations

APPROVED

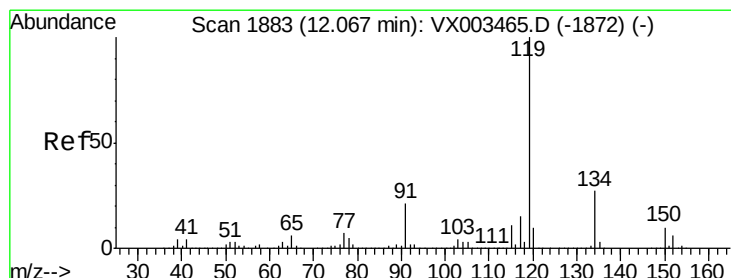
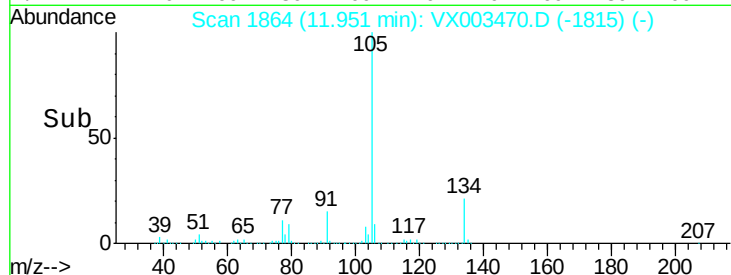
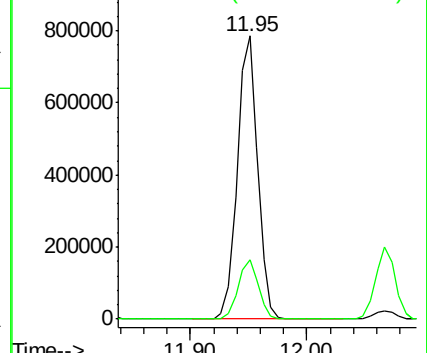
MMDadoda

7/20/2018 5:22:12 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.23 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003470.D

Acq: 19 Jul 2018 17:26

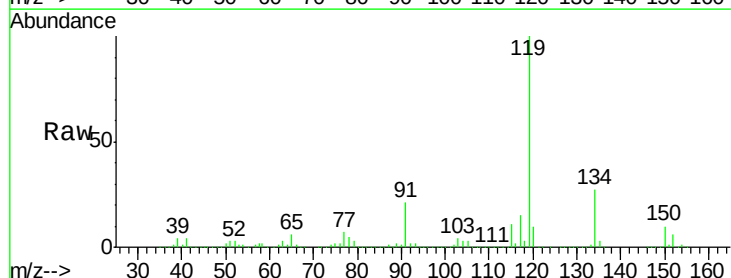
Tgt Ion:119 Resp: 872016

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

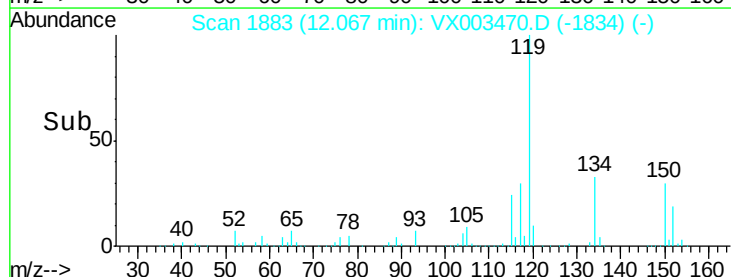
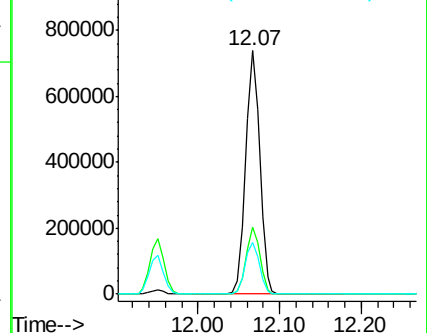
91 21.5 11.9 35.7

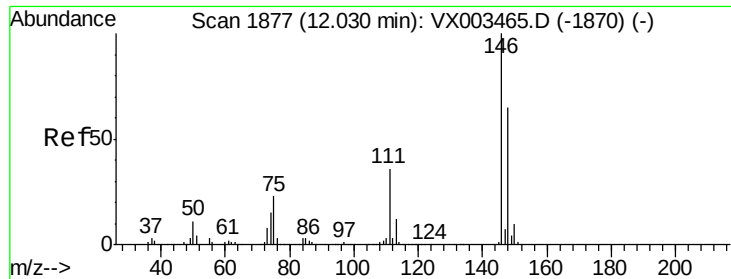


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





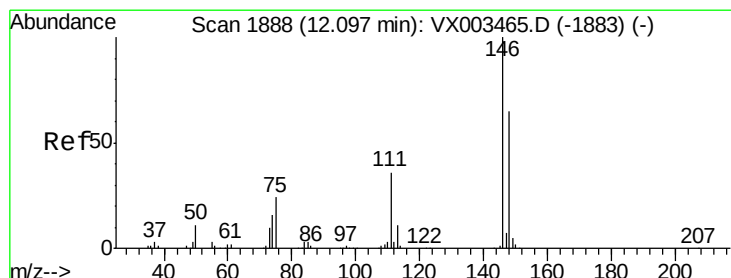
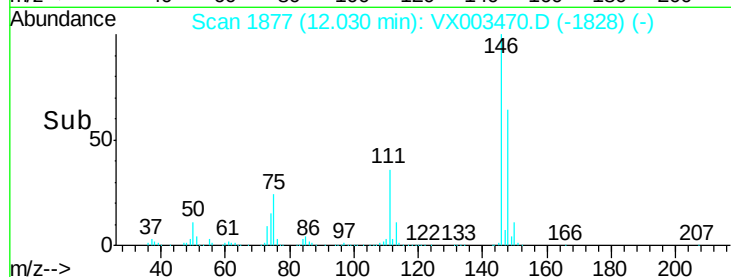
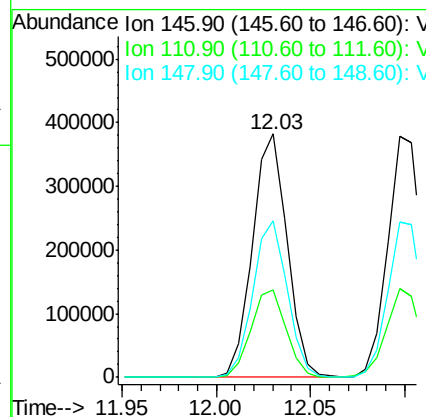
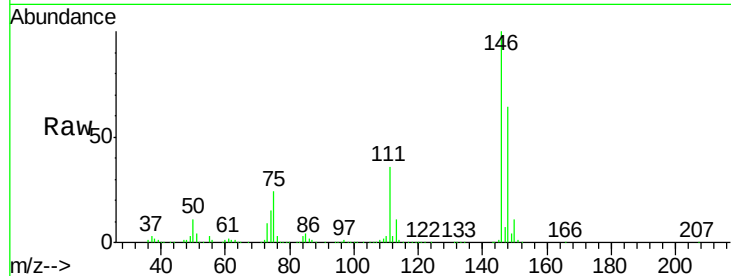
#87
 1,3-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	63.9	32.1	96.3

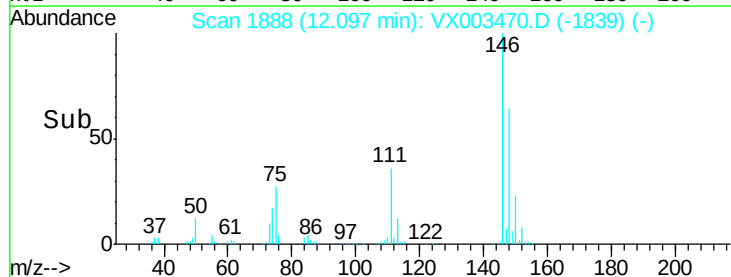
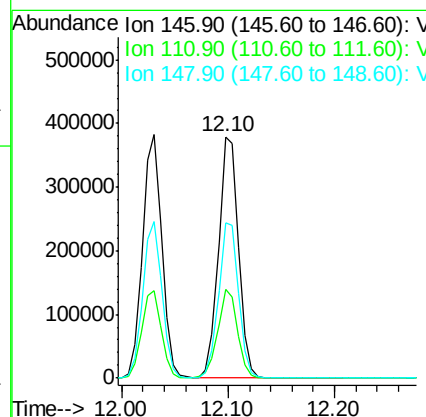
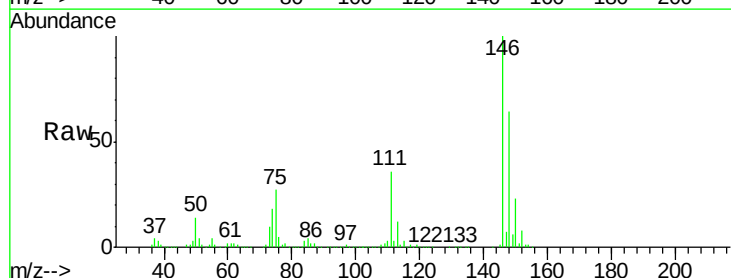
Manual Integrations
 APPROVED

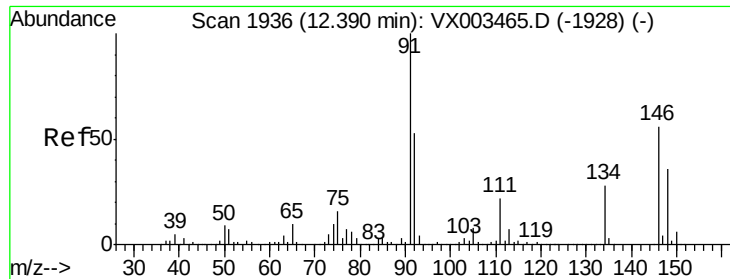
MMDadoda
 7/20/2018 5:22:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.26 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	64.6	32.4	97.0





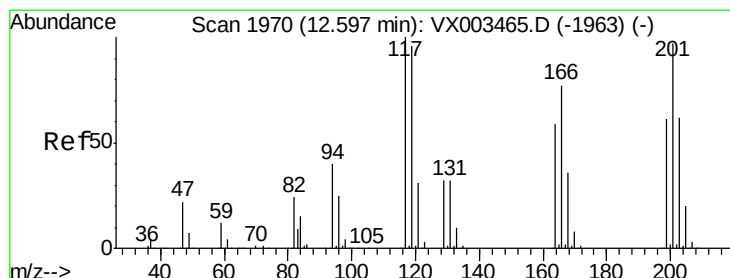
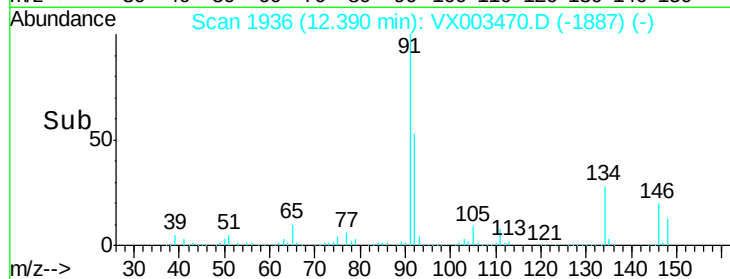
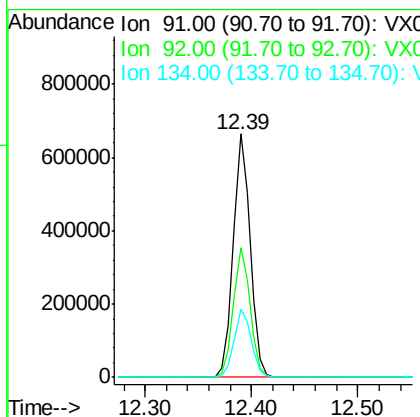
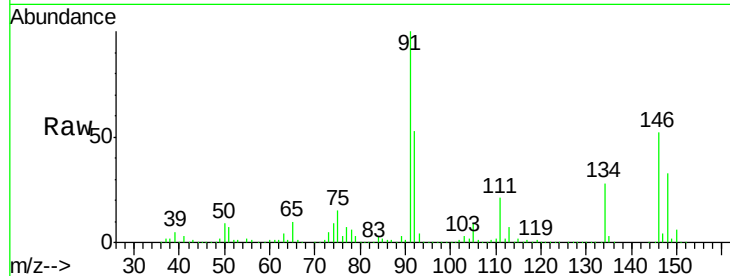
#89
n-Butylbenzene
Concen: 52.53 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	28.1	13.5	40.5

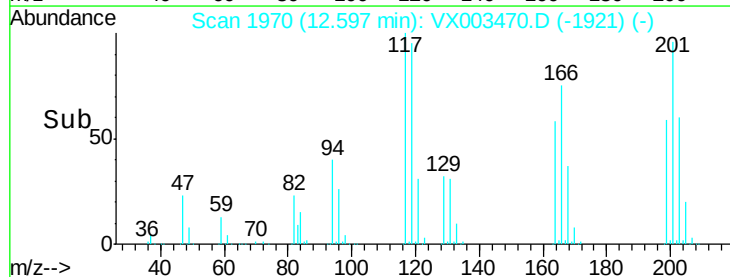
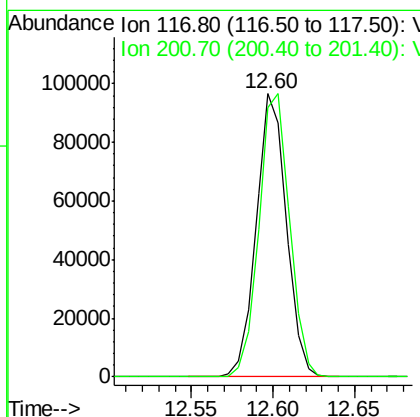
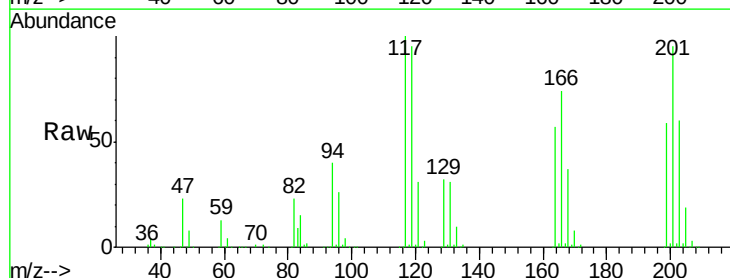
Manual Integrations
APPROVED

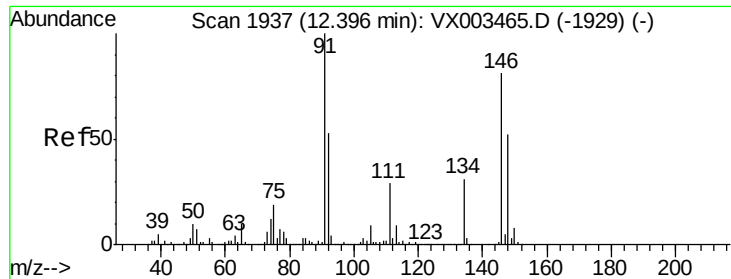
MMDadoda
7/20/2018 5:22:12 PM



#90
Hexachloroethane
Concen: 52.05 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.6	49.0	147.0





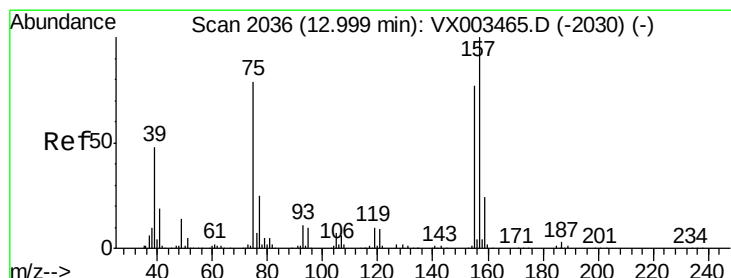
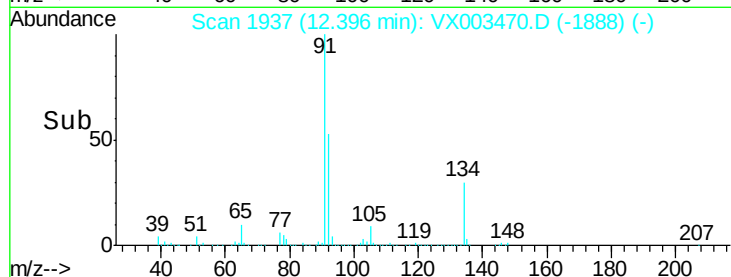
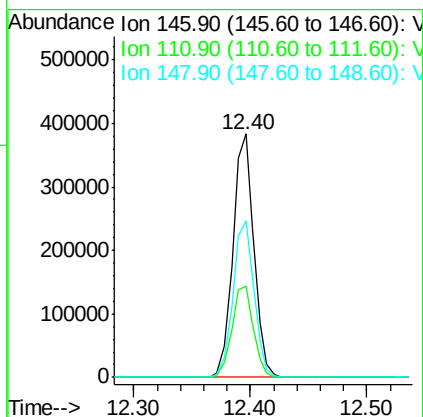
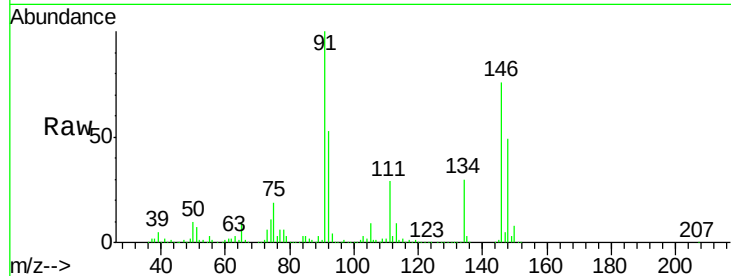
#91
 1,2-Dichlorobenzene
 Concen: 48.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.7	31.7	95.1

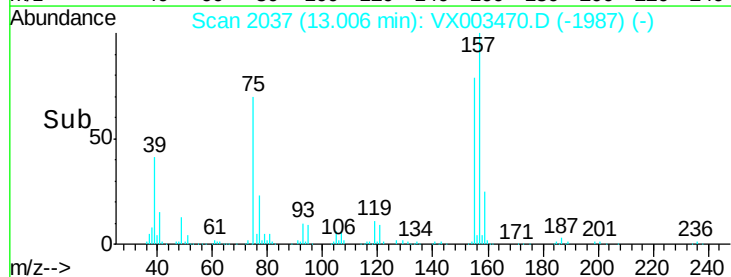
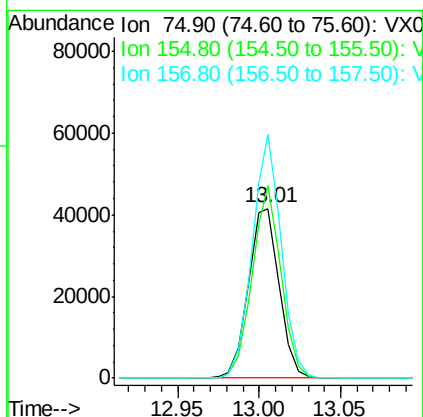
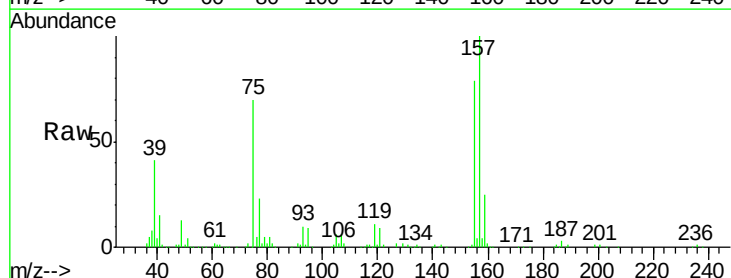
Manual Integrations
 APPROVED

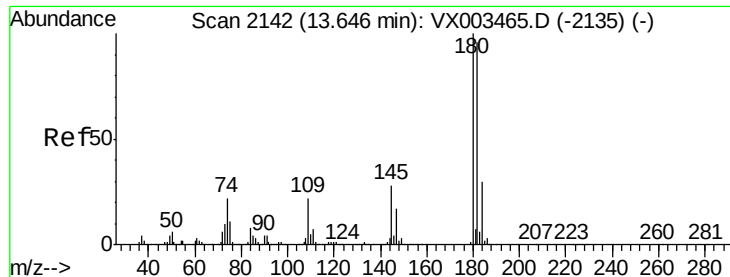
MMDadoda
 7/20/2018 5:22:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.38 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.0	45.8	137.4
157	134.6	60.1	180.3





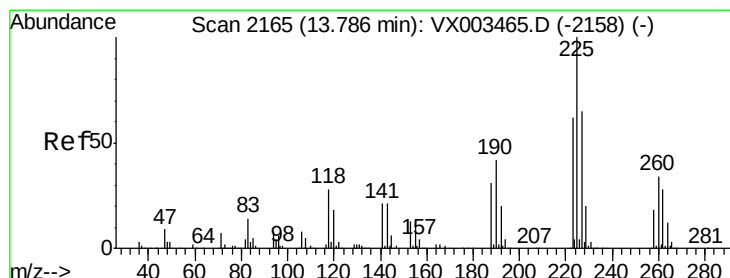
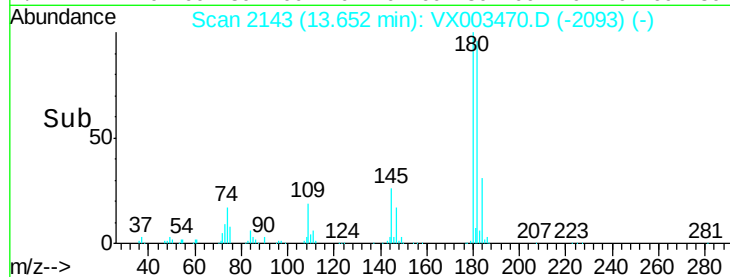
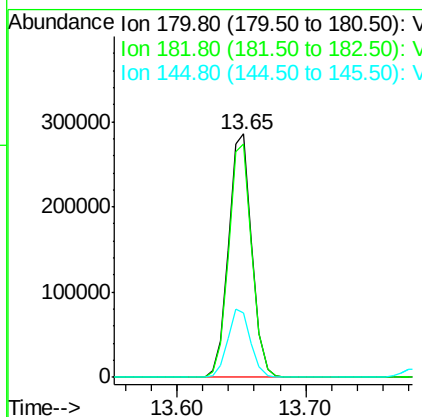
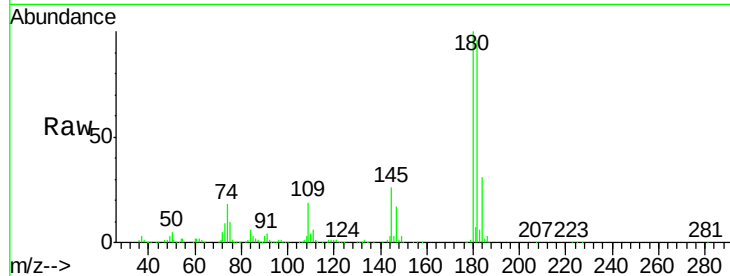
#93
 1,2,4-Trichlorobenzene
 Concen: 49.63 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	360723		
182	95.9	47.7	143.1	
145	27.6	14.1	42.4	

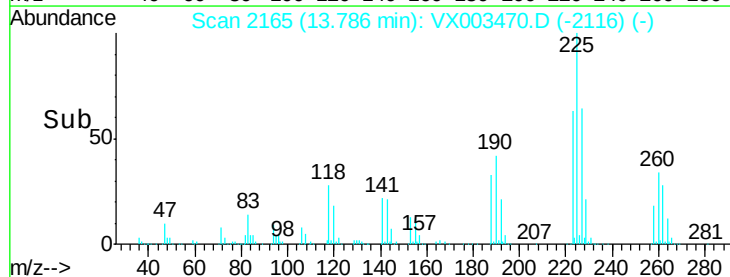
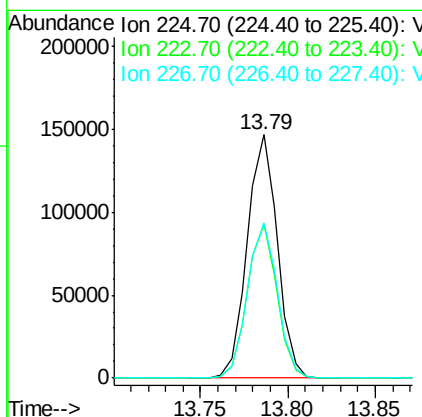
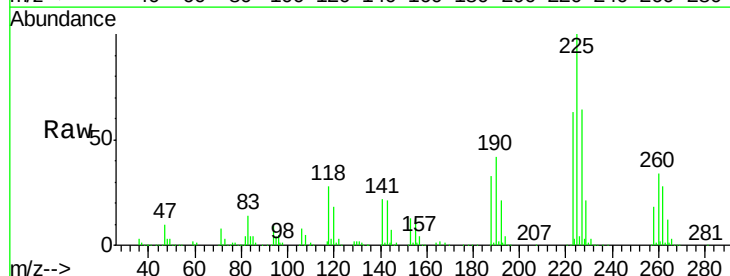
Manual Integrations
 APPROVED

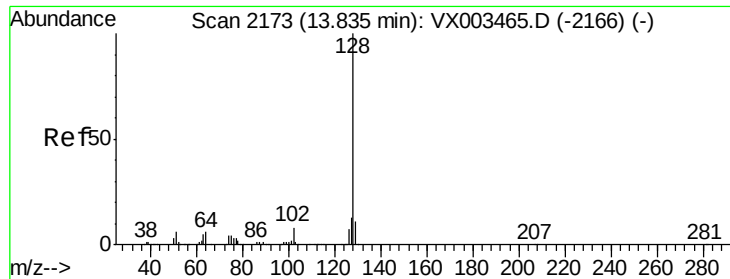
MMDadoda
 7/20/2018 5:22:12 PM



#94
 Hexachlorobutadiene
 Concen: 50.20 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003470.D
 Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175468		
223	62.3	31.6	95.0	
227	63.5	32.4	97.2	





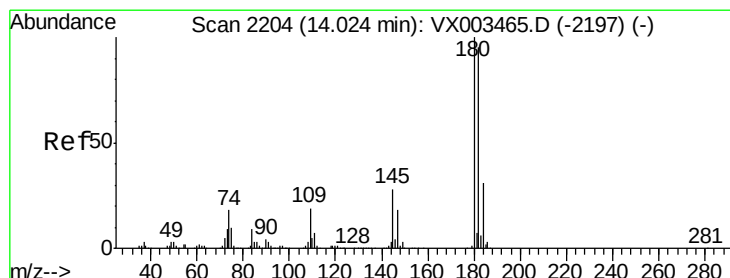
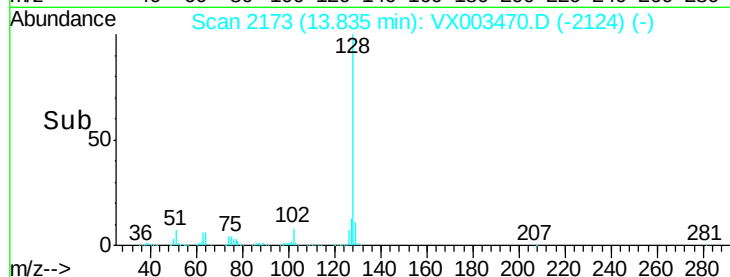
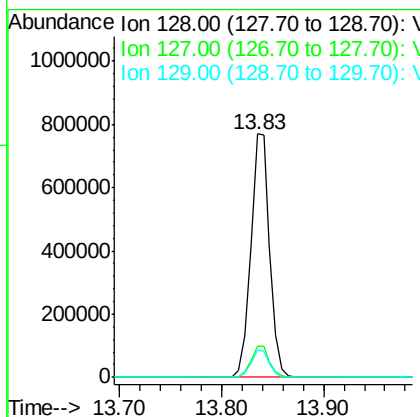
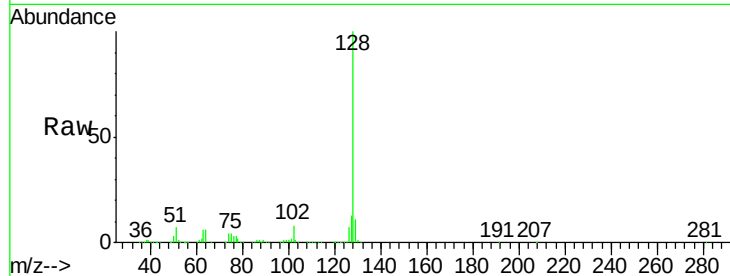
#95
Naphthalene
Concen: 51.74 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071918

Tot Ion	Ratio	Resp	Lower	Upper
128	100	988106		
127	12.7		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.61 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003470.D
Acq: 19 Jul 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	356915		
182	96.4		48.0	144.0
145	29.3		14.8	44.3

