

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003913.D
 Acq On : 08 Aug 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:30 PM

Quant Time: Aug 08 08:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	70678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	390299	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	357824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	147353	28.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.67%
60) 4-Bromofluorobenzene	11.14	95	170773	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	8.72	98	477577	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	98575	26.40	ug/l	100
3) Chloromethane	1.32	50	98593	19.62	ug/l	98
4) Vinyl Chloride	1.40	62	105547	19.97	ug/l	100
5) Bromomethane	1.64	94	60030	19.01	ug/l	99
6) Chloroethane	1.73	64	69125	19.99	ug/l	97
7) Trichlorofluoromethane	1.93	101	136240	19.17	ug/l	100
8) Diethyl Ether	2.19	74	59951	19.68	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80921	18.78	ug/l	93
10) 1,1-Dichloroethene	2.37	96	78487	19.37	ug/l	91
11) Methyl Iodide	2.51	142	97371	17.34	ug/l	91
13) Acrolein	2.29	56	63120	107.94	ug/l	98
14) Acrylonitrile	3.15	53	255820	86.59	ug/l	99
15) Acetone	2.45	58	72702	90.69	ug/l	79
16) Carbon Disulfide	2.57	76	202854	18.03	ug/l	100
17) Allvl chloride	2.73	41	136690	16.30	ug/l	92
18) Methylene Chloride	2.85	84	91497	19.06	ug/l	95
19) trans-1,2-Dichloroethene	3.16	96	83925	19.16	ug/l	96
20) Diisopropyl ether	3.87	45	267191	17.35	ug/l	97
21) 1,1-Dichloroethane	3.70	63	152972	17.55	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	93209	21.07	ug/l #	67
23) tert-Butyl Alcohol	3.07	59	114900	92.59	ug/l #	100
25) Chloroform	5.21	83	152510	20.20	ug/l	96
26) Cyclohexane	5.58	56	129494	19.77	ug/l #	89
29) 1,1-Dichloropropene	5.80	75	112965	19.60	ug/l	99
30) 2-Butanone	4.71	43	322039	87.50	ug/l #	92
31) 2,2-Dichloropropane	4.59	77	54342	9.73	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	127071	19.27	ug/l	99
33) Carbon Tetrachloride	5.79	117	108704	18.97	ug/l	97
34) Benzene	6.14	78	351299	19.84	ug/l	98
35) Methacrylonitrile	5.06	41	68506	17.91	ug/l	90
36) 1,2-Dichloroethane	6.20	62	120152	18.88	ug/l #	94
37) Trichloroethene	7.21	130	92899	20.13	ug/l	88
38) Methylcyclohexane	7.46	83	123510	18.86	ug/l	95
39) 1,2-Dichloropropane	7.52	63	88448	18.90	ug/l	98
40) Dibromomethane	7.67	93	56606	18.69	ug/l	95
41) Bromodichloromethane	7.90	83	105701	18.27	ug/l	97
42) Vinyl Acetate	3.82	43	1030525	72.87	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003913.D
 Acq On : 08 Aug 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

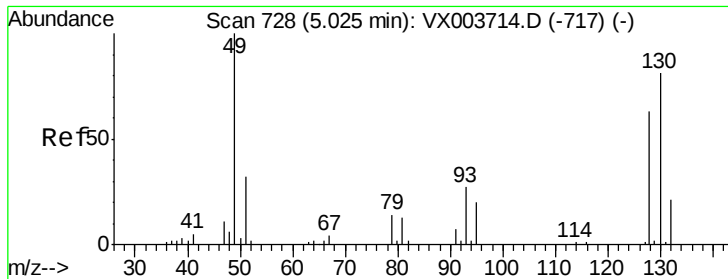
Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:30 PM

Quant Time: Aug 08 08:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.86	43	116933	17.01	ug/l	99
44) Isopropyl Acetate	6.46	43	184285	17.48	ug/l	93
45) 1,4-Dioxane	7.76	88	46761	399.29	ug/l #	82
46) Methyl methacrylate	7.78	41	97322	17.89	ug/l	89
47) n-amyl Acetate	10.90	43	158518	15.92	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	117810	16.78	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	106417	16.16	ug/l #	90
50) 1,1,2-Trichloroethane	9.22	97	89564	18.63	ug/l	97
51) Ethyl methacrylate	9.18	69	124745	17.23	ug/l	84
52) 1,3-Dichloropropane	9.37	76	150822	18.85	ug/l	99
53) Dibromochloromethane	9.59	129	84731	17.94	ug/l	100
54) 1,2-Dibromoethane	9.68	107	91646	18.23	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	328703	88.04	ug/l	97
56) Bromoform	10.86	173	63168	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	627616	92.89	ug/l #	90
59) 2-Hexanone	9.50	43	476411	88.56	ug/l	90
61) Tetrachloroethene	9.34	164	93695	22.50	ug/l	98
62) Toluene	8.79	91	378493	20.38	ug/l	99
64) Chlorobenzene	10.14	112	243210	20.26	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	84173	19.82	ug/l	98
66) Ethyl Benzene	10.26	91	406108	19.87	ug/l	99
67) m/p-Xylenes	10.36	106	322110	40.92	ug/l	96
68) o-Xylene	10.70	106	154494	20.51	ug/l	94
69) Styrene	10.71	104	250919	19.68	ug/l	97
70) Isopropylbenzene	11.02	105	414278	19.98	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	136353	18.42	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	117632m	19.10	ug/l	
73) Bromobenzene	11.26	156	108038	19.33	ug/l	98
74) n-propylbenzene	11.36	91	463391	18.97	ug/l	100
75) 2-Chlorotoluene	11.42	91	283627	19.70	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	339099	19.27	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	28535	13.60	ug/l	97
78) 4-Chlorotoluene	11.51	91	326588	19.39	ug/l	100
79) tert-butylbenzene	12.07	119	351562	19.42	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	352555	19.58	ug/l	98
81) sec-Butylbenzene	11.95	105	394492	19.25	ug/l	100
82) p-Isopropyltoluene	12.07	119	351562	19.42	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	199397	19.54	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	201584	19.62	ug/l	99
85) n-Butylbenzene	12.39	91	255078	15.87	ug/l	100
86) Hexachloroethane	12.60	117	46921	16.09	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	174277	17.01	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	23880	15.29	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	126014	17.52	ug/l	98
90) Hexachlorobutadiene	13.79	225	60936	18.69	ug/l	98
91) Naphthalene	13.83	128	431266	19.62	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	143438	19.58	ug/l	99

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

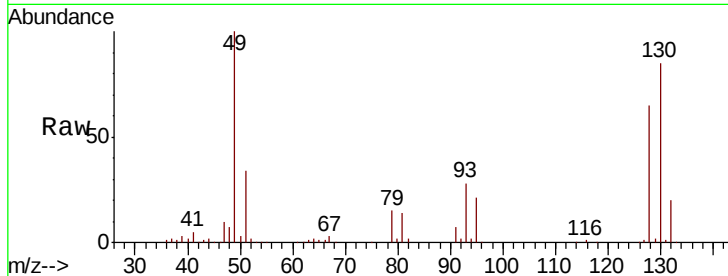
ClientSampleId :

VSTDCCC020EC

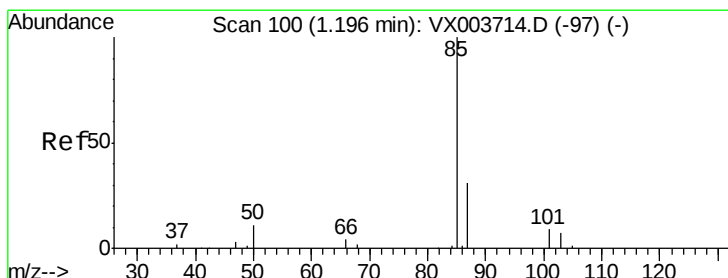
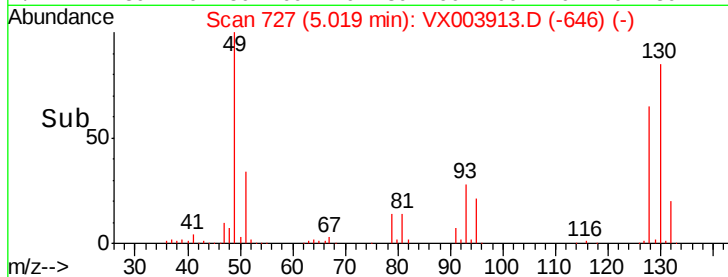
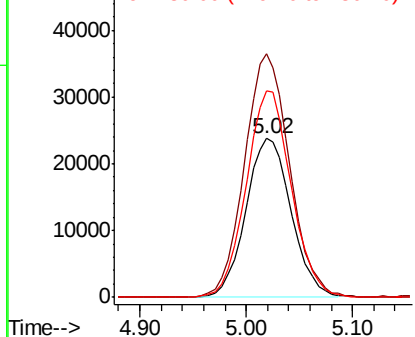
Tot Ion:	128	Resp:	70678
Ion	Ratio	Lower	Upper
128	100		
49	153.4	0.0	423.0
130	129.5	0.0	324.3

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 26.40 ug/l

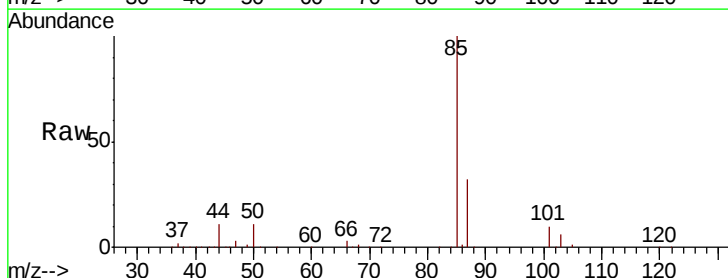
RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

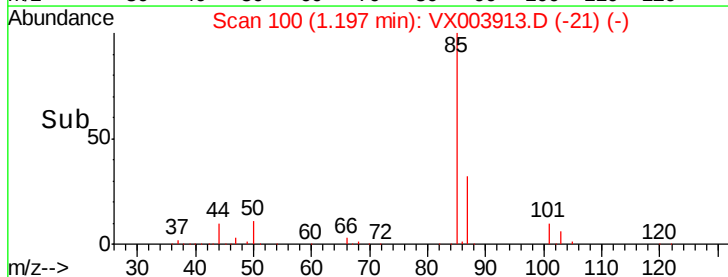
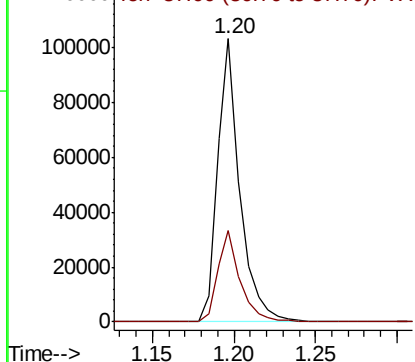
Lab File: VX003913.D

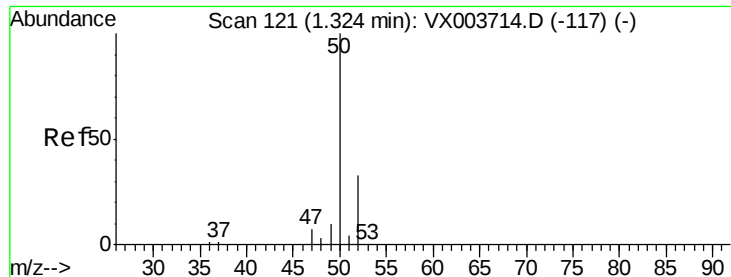
Acq: 08 Aug 2018 07:10

Tgt Ion:	85	Resp:	98575
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 98593

Ion Ratio Lower Upper

50 100

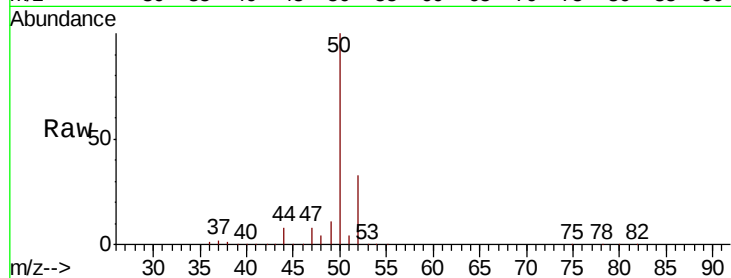
52 33.1 25.6 38.4

Manual Integrations

APPROVED

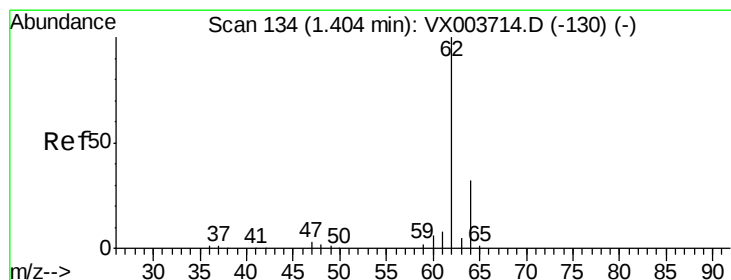
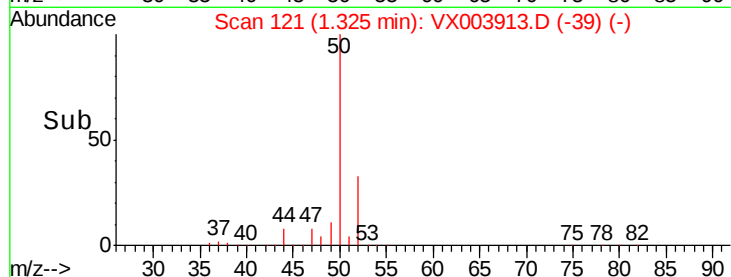
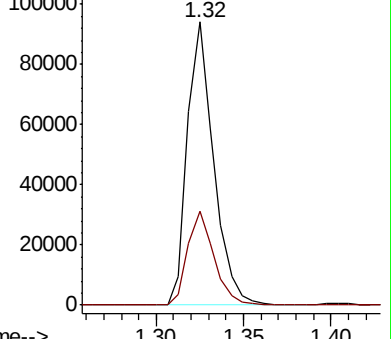
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.97 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003913.D

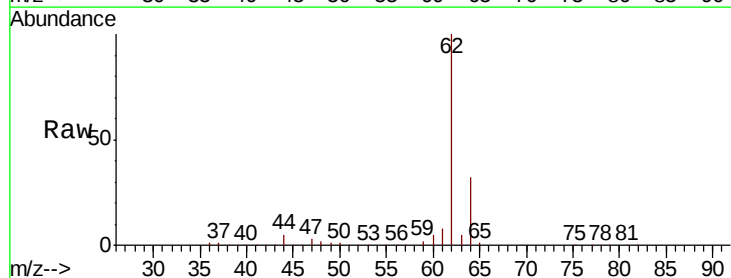
Acq: 08 Aug 2018 07:10

Tgt Ion: 62 Resp: 105547

Ion Ratio Lower Upper

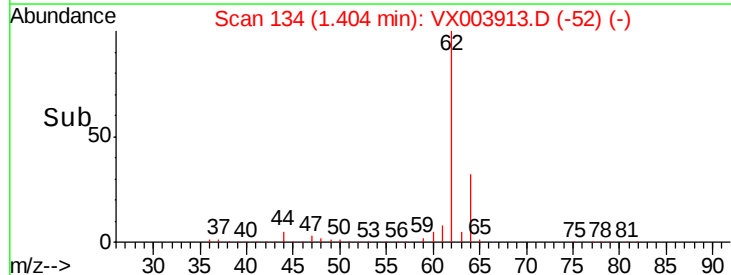
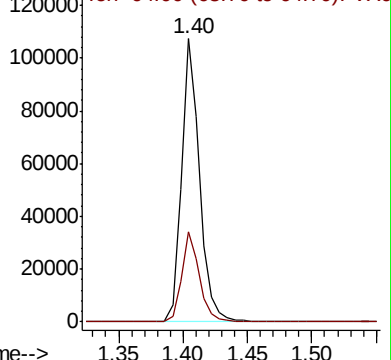
62 100

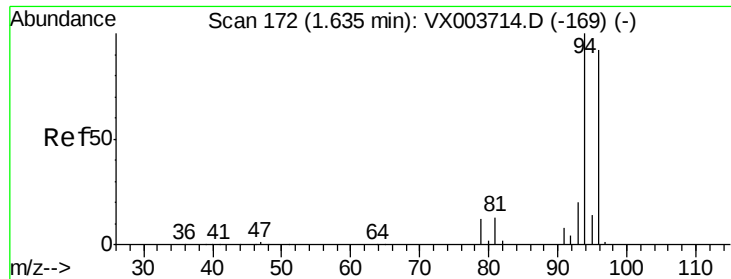
64 31.8 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.01 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 60030

Ion Ratio Lower Upper

94 100

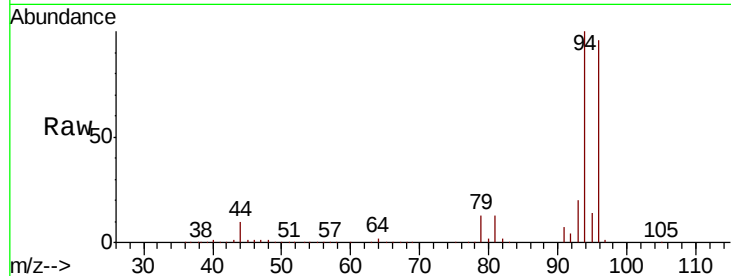
96 95.5 75.7 113.5

Manual Integrations

APPROVED

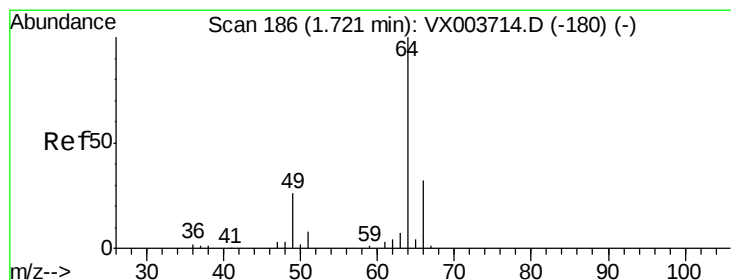
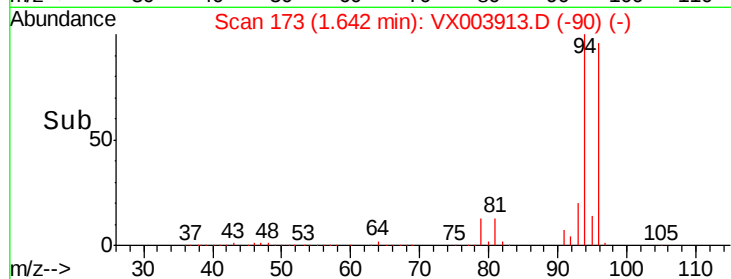
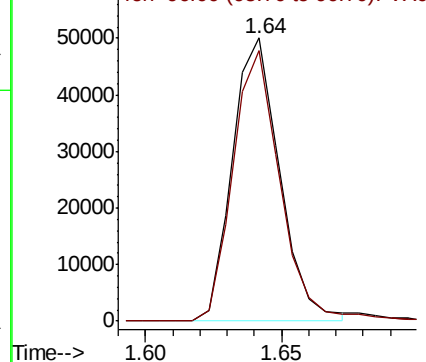
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.99 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003913.D

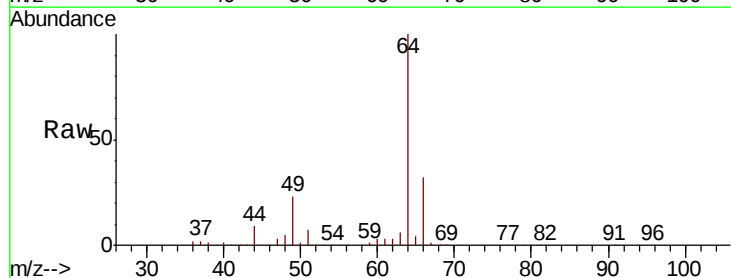
Acq: 08 Aug 2018 07:10

Tgt Ion: 64 Resp: 69125

Ion Ratio Lower Upper

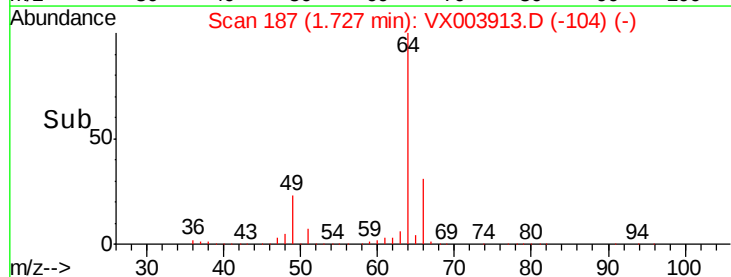
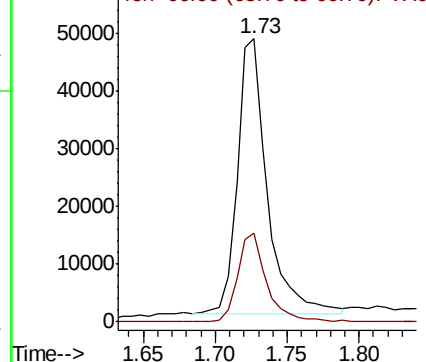
64 100

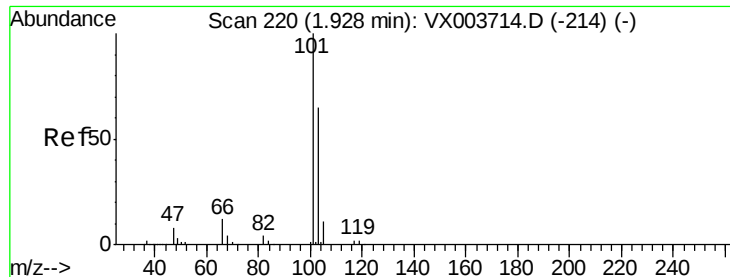
66 32.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

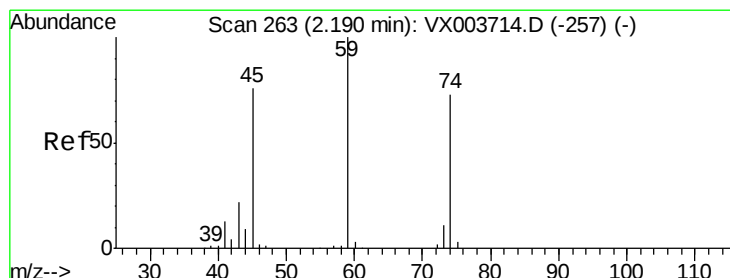
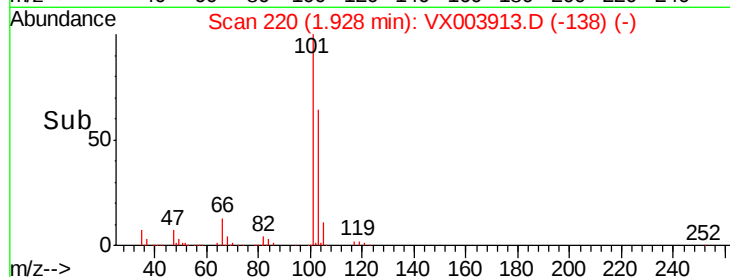
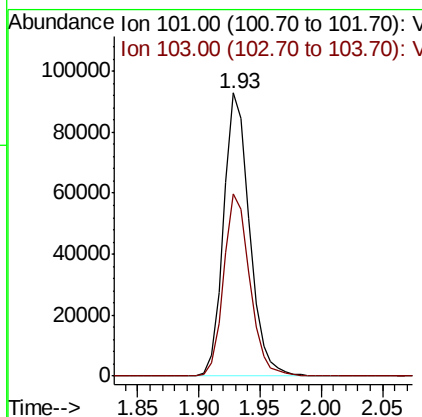
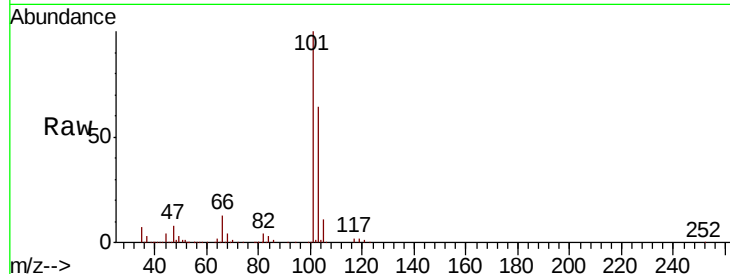
Trichlorofluoromethane
 Concen: 19.17 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.5	77.3

Manual Integrations
 APPROVED

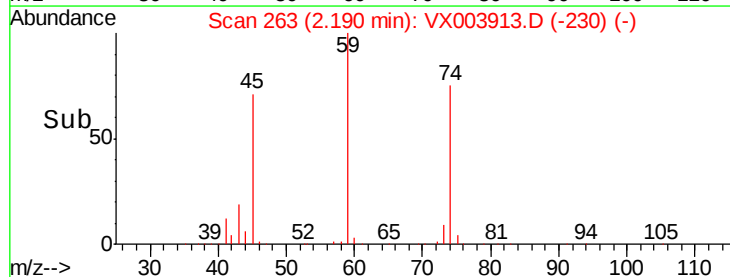
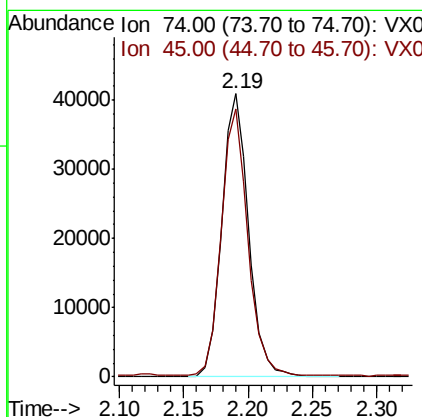
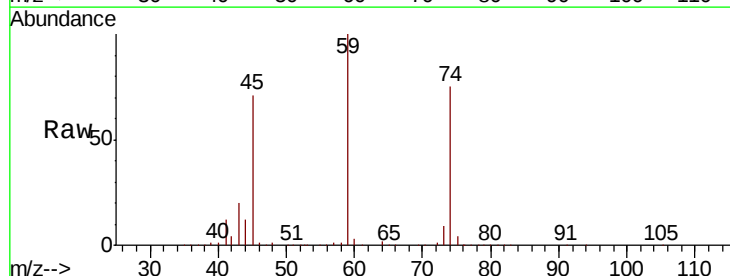
MMDadoda
 8/8/2018 12:06:30 PM

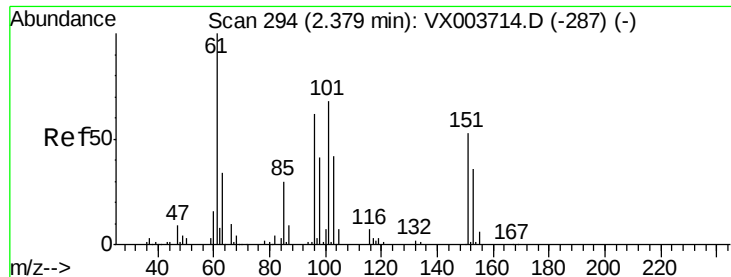


#8

Diethyl Ether
 Concen: 19.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.78 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

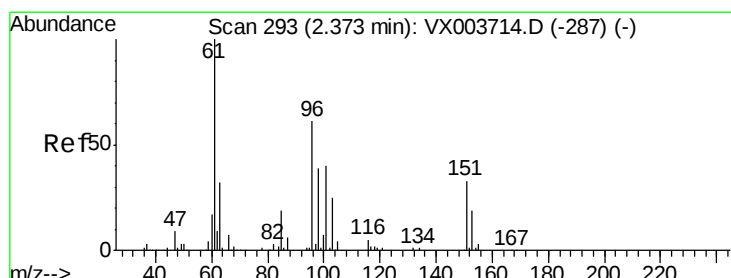
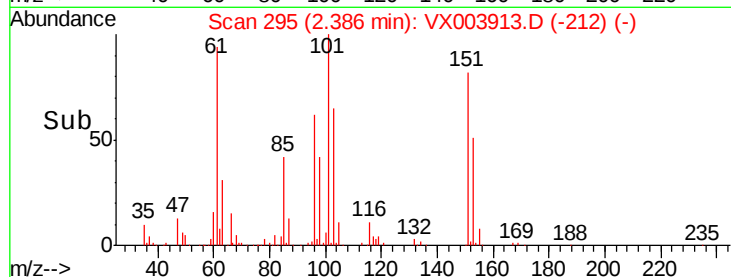
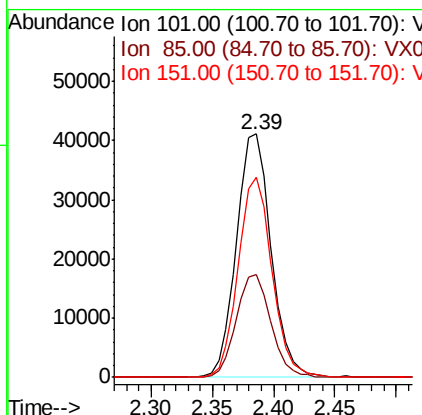
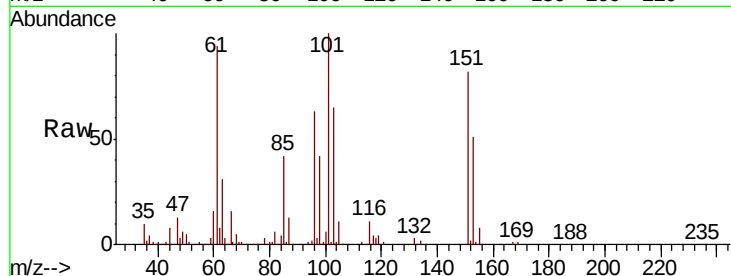
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	80921
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	87.0
151	80.5	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



#10

1,1-Dichloroethene

Concen: 19.37 ug/l

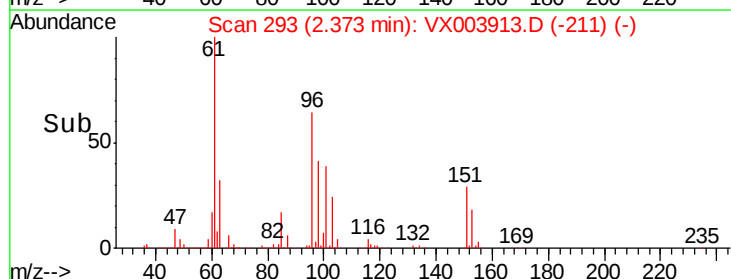
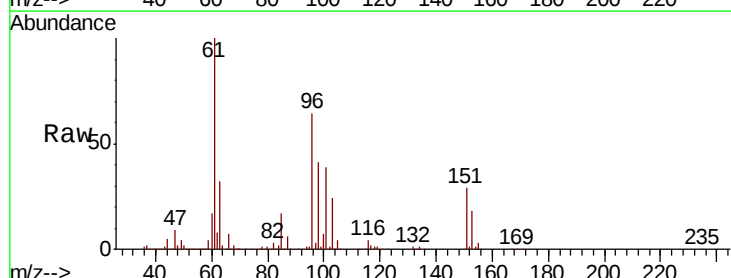
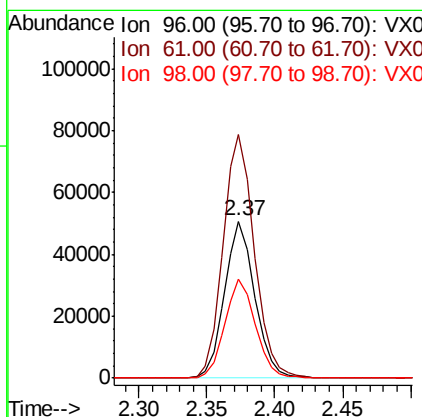
RT: 2.37 min Scan# 293

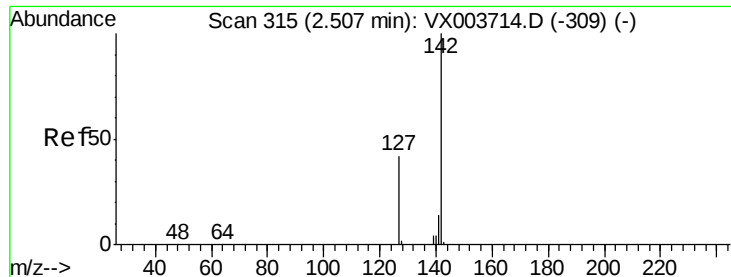
Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Tgt Ion:	96	Resp:	78487
Ion Ratio	Lower	Upper	
96	100		
61	155.2	137.5	206.3
98	63.0	51.4	77.2





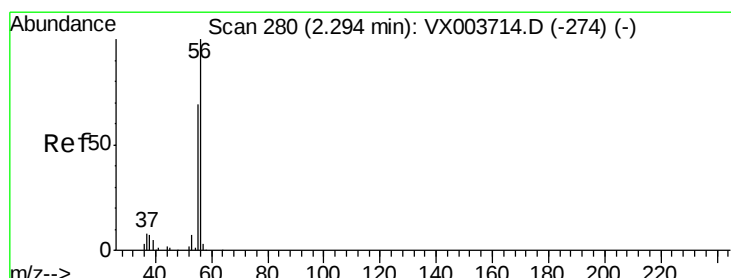
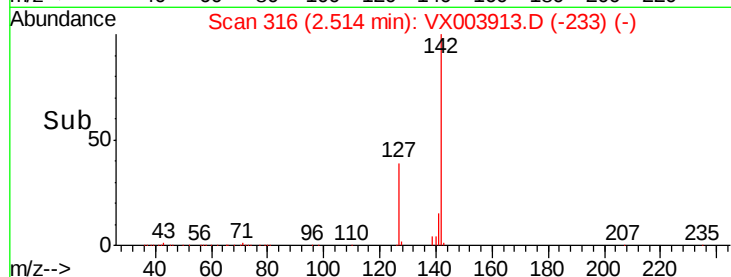
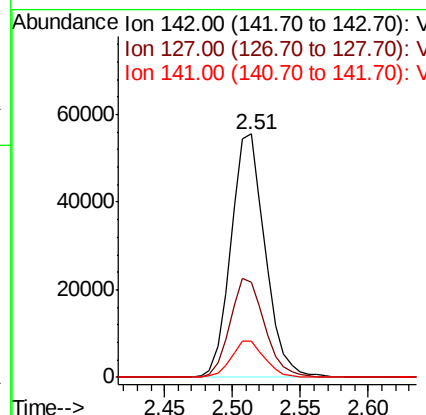
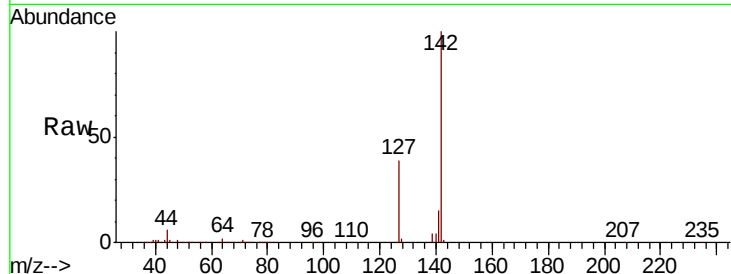
#11
Methvl Iodide
Concen: 17.34 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.9	23.2	69.6
141	14.7	7.4	22.2

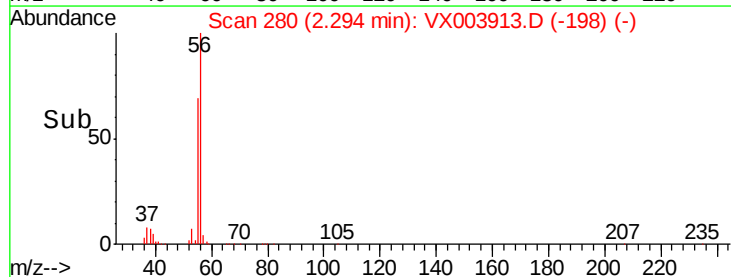
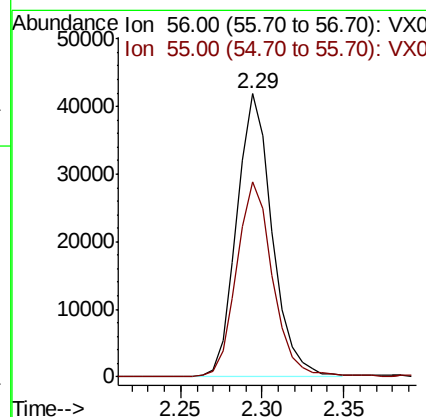
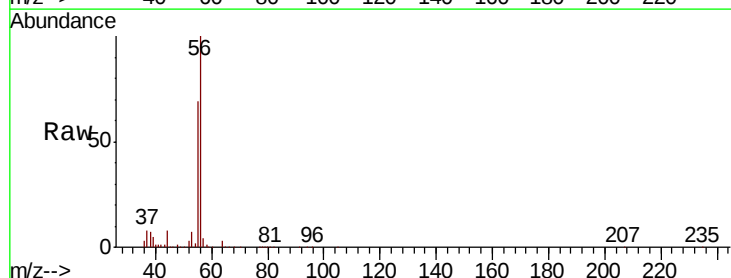
Manual Integrations
APPROVED

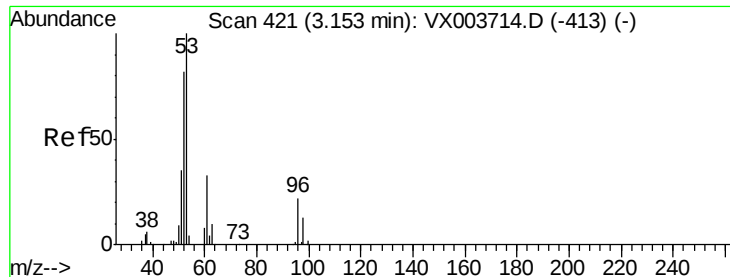
MMDadoda
8/8/2018 12:06:30 PM



#13
Acrolein
Concen: 107.94 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.3	85.9





#14

Acrylonitrile

Concen: 86.59 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

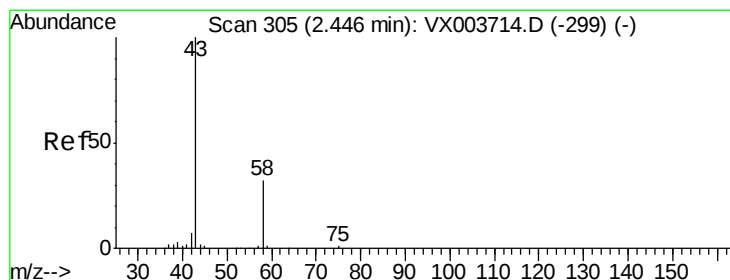
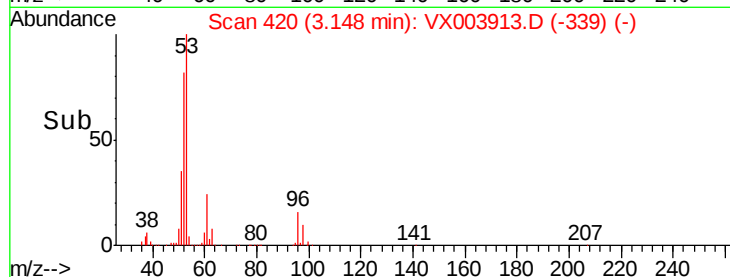
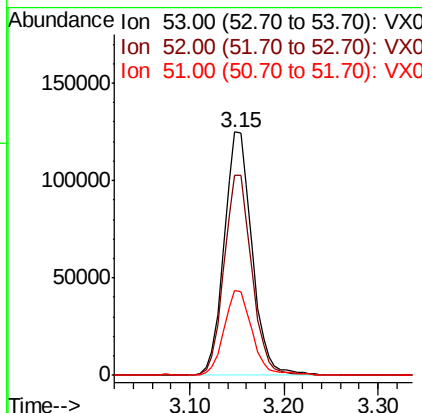
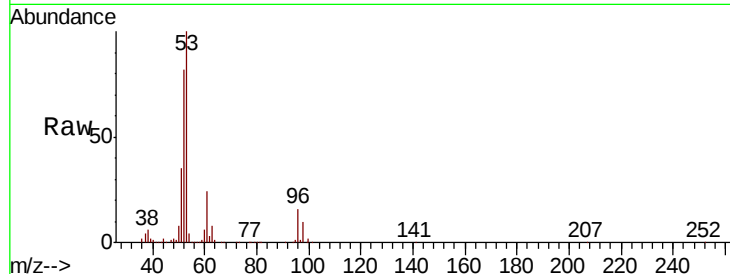
ClientSampleId :

VSTDCCC020EC

Tot Ion:	53	Resp:	255820
Ion	Ratio	Lower	Upper
53	100		
52	81.8	41.5	124.6
51	35.4	17.9	53.8

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



#15

Acetone

Concen: 90.69 ug/l

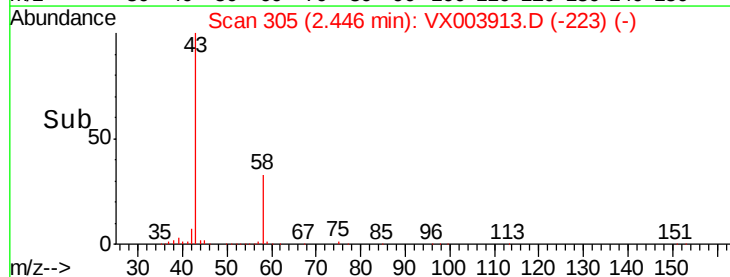
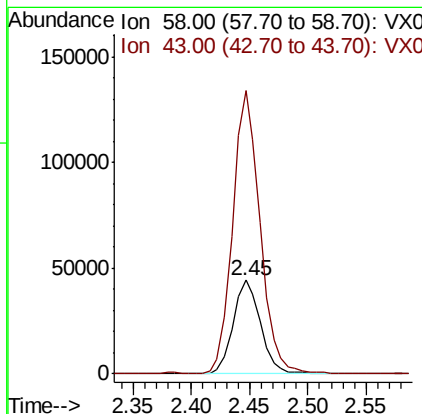
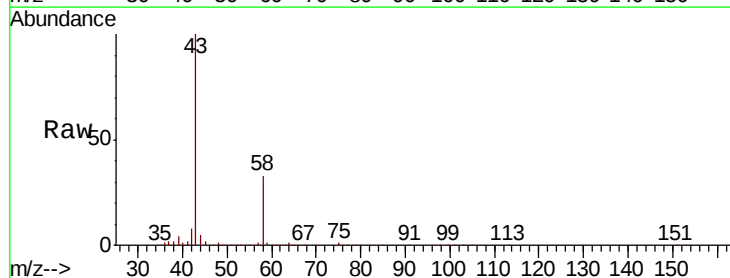
RT: 2.45 min Scan# 305

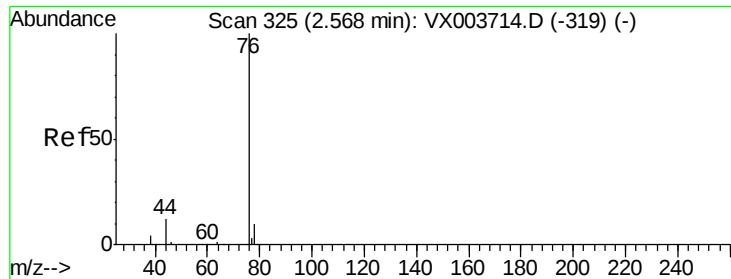
Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Tgt Ion:	58	Resp:	72702
Ion	Ratio	Lower	Upper
58	100		
43	302.8	278.8	418.2





#16

Carbon Disulfide

Concen: 18.03 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 76 Resp: 202854

Ion Ratio Lower Upper

76 100

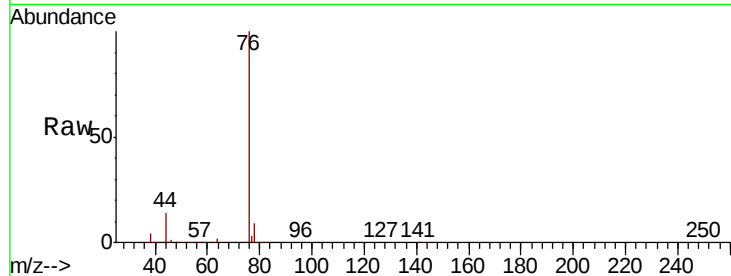
78 9.2 7.4 11.0

Manual Integrations

APPROVED

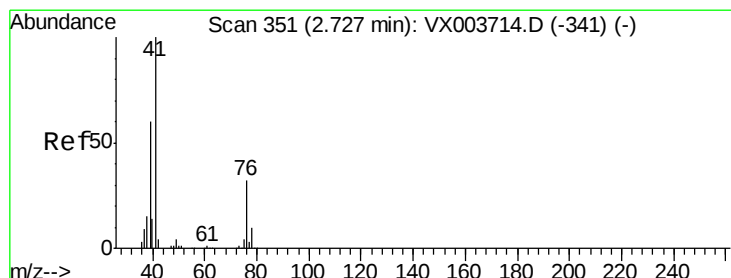
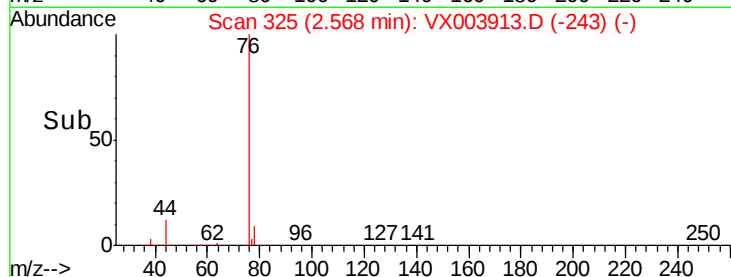
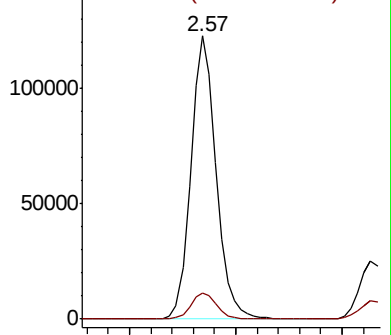
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#17

Allyl chloride

Concen: 16.30 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

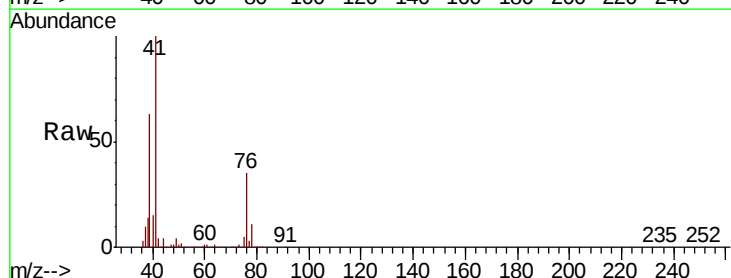
Tgt Ion: 41 Resp: 136690

Ion Ratio Lower Upper

41 100

39 63.3 34.6 103.8

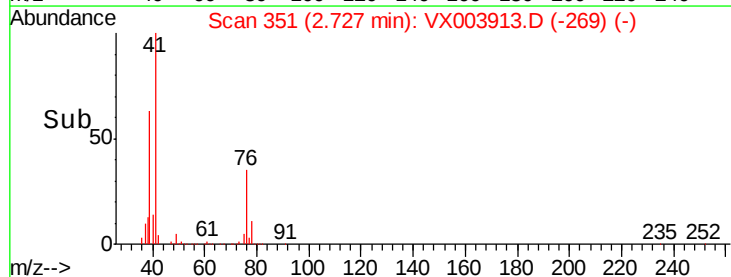
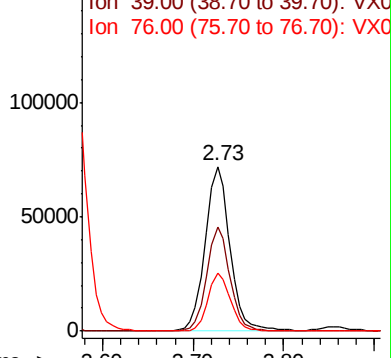
76 35.1 15.0 45.1

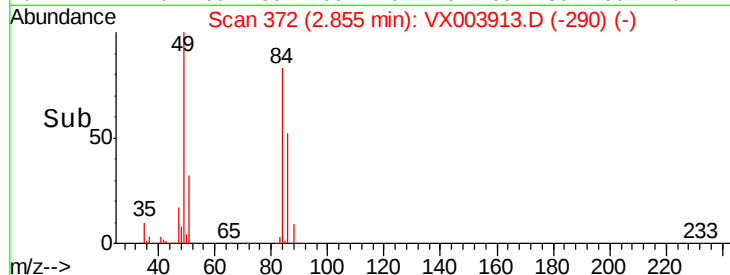
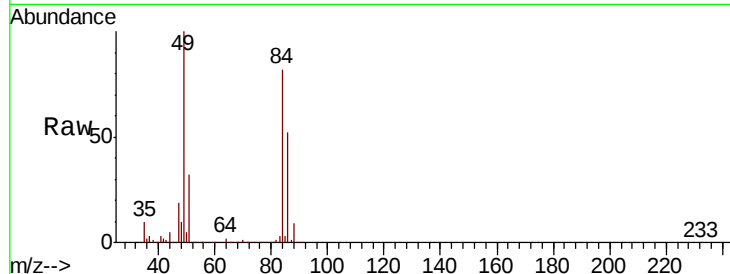
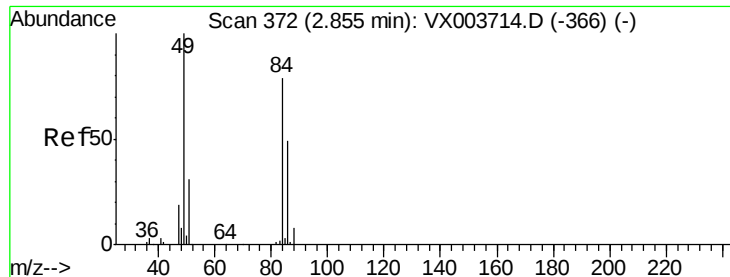


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0





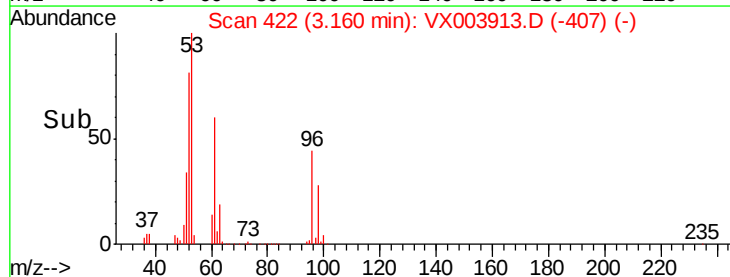
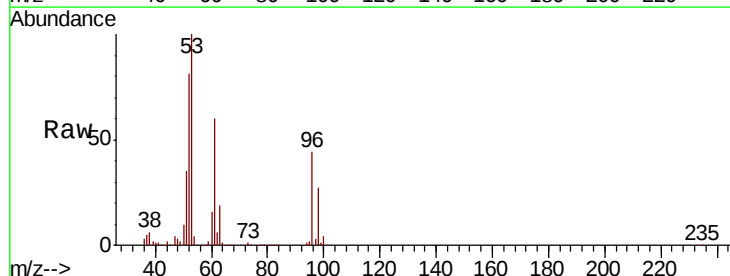
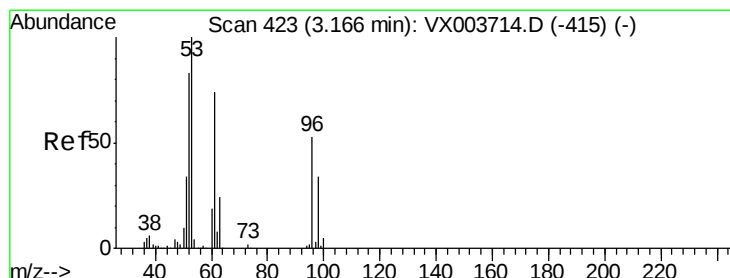
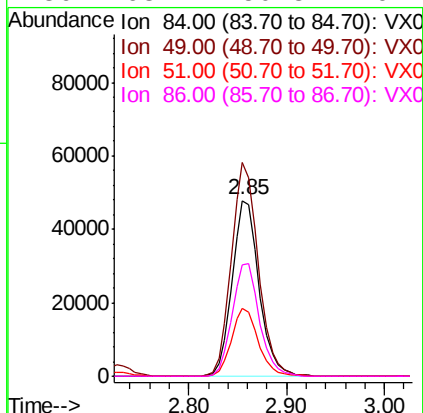
#18
Methvlene Chloride
Concen: 19.06 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tot Ion:	84	Resp:	91497
Ion	Ratio	Lower	Upper
84	100		
49	121.6	104.7	157.1
51	38.6	31.0	46.4
86	63.2	50.8	76.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

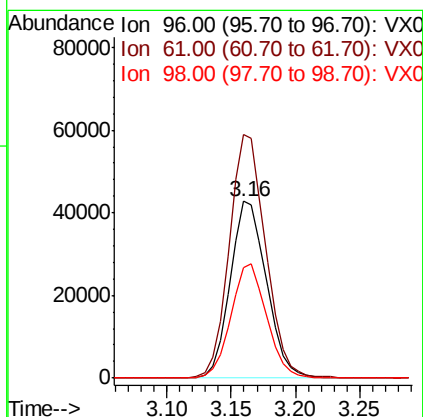
Manual Integrations
APPROVED

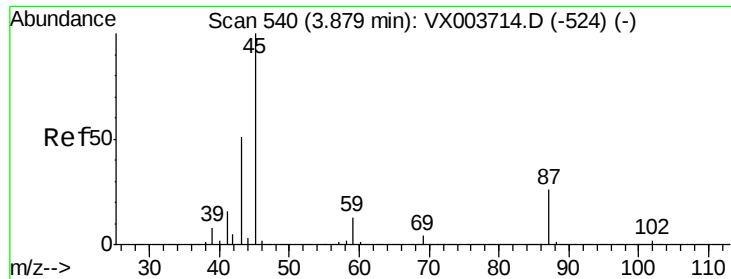
MMDadoda
8/8/2018 12:06:30 PM



#19
trans-1,2-Dichloroethene
Concen: 19.16 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion:	96	Resp:	83925
Ion	Ratio	Lower	Upper
96	100		
61	137.5	114.6	172.0
98	62.8	51.3	76.9





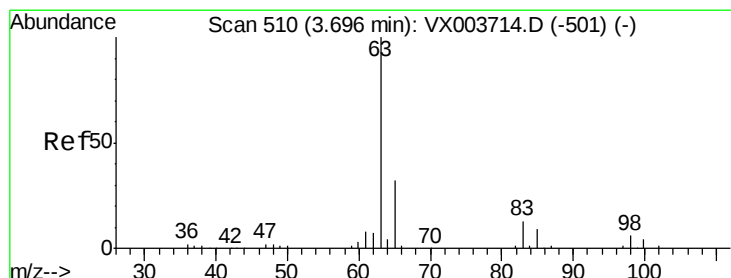
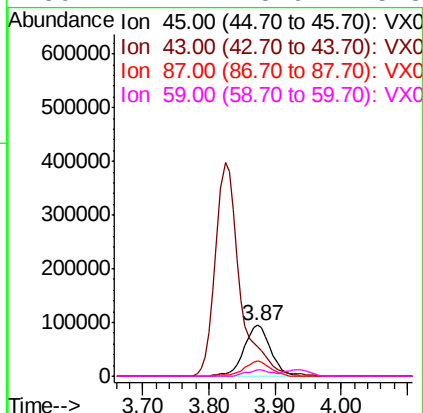
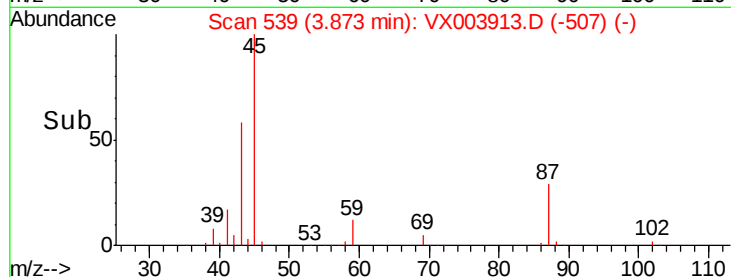
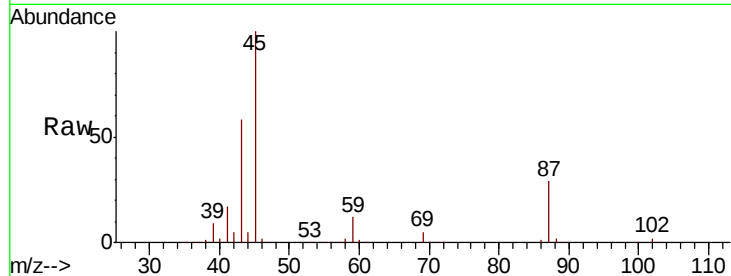
#20
Diisopropyl ether
Concen: 17.35 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.9	45.6	68.4	
87	29.4	20.7	31.1	
59	12.1	8.9	13.3	

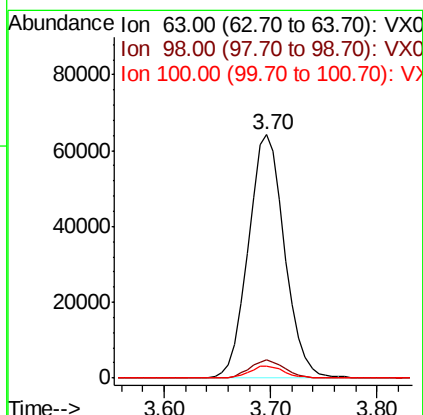
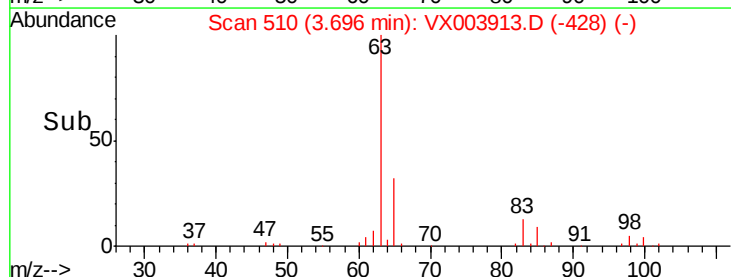
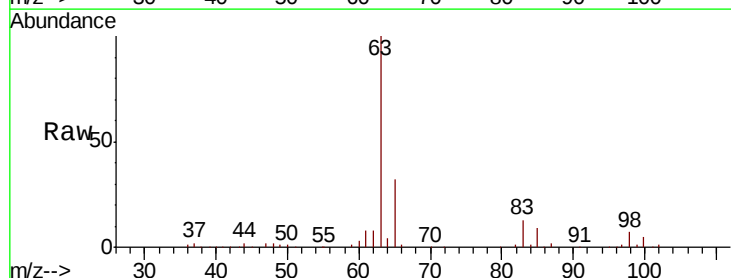
Manual Integrations
APPROVED

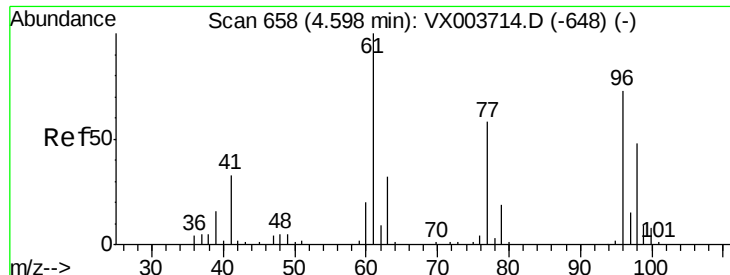
MMDadoda
8/8/2018 12:06:30 PM



#21
1,1-Dichloroethane
Concen: 17.55 ug/l
RT: 3.70 min Scan# 510
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	7.5	3.1	9.3	
100	5.0	2.2	6.6	





#22

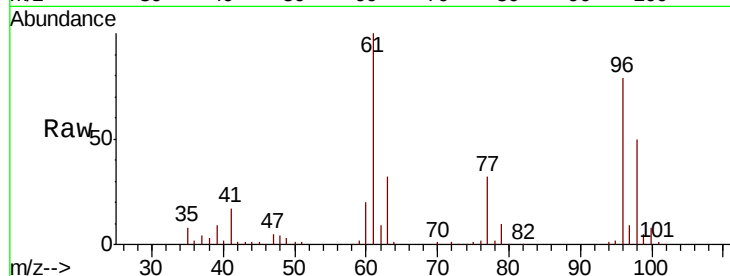
cis-1,2-Dichloroethene
Concen: 21.07 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	160.2	240.2#
98	64.5	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM

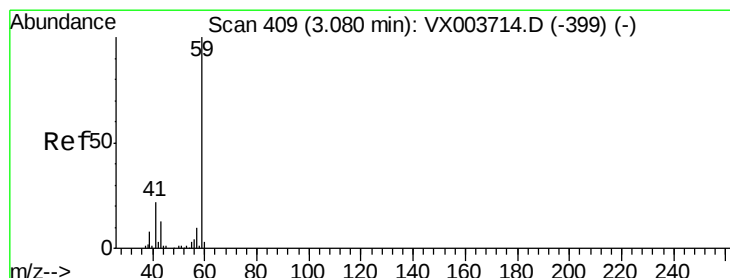
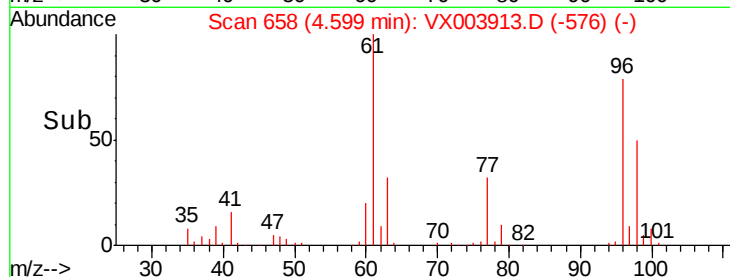
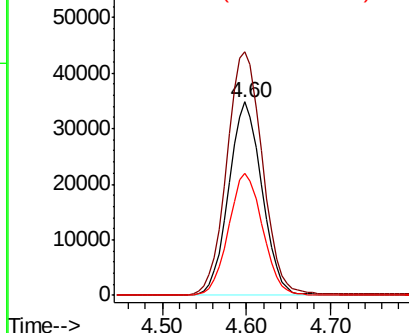


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

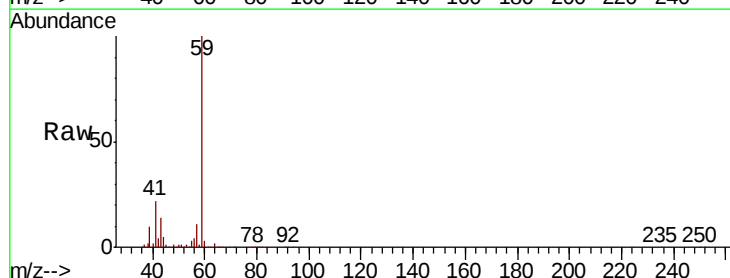
Ion 98.00 (97.70 to 98.70): VX0



#23

tert-Butyl Alcohol
Concen: 92.59 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

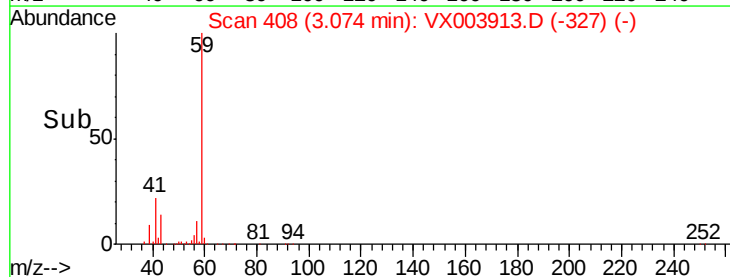
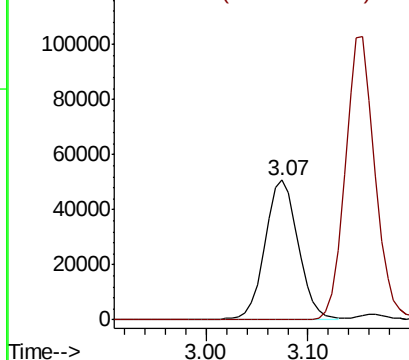
Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

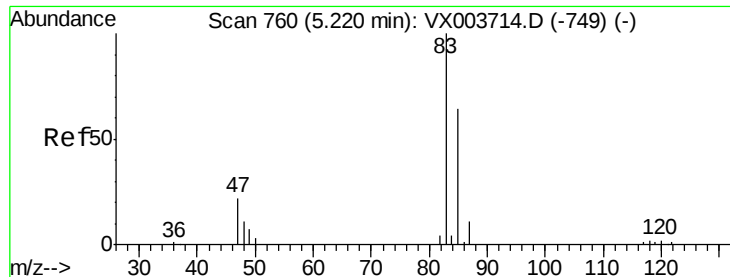


Abundance

Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#25

Chloroform

Concen: 20.20 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 152510

Ion Ratio Lower Upper

83 100

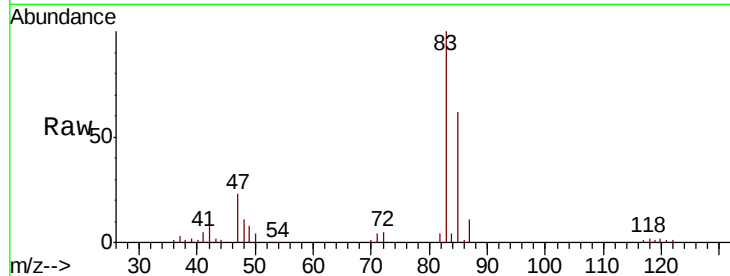
85 62.0 51.9 77.9

Manual Integrations

APPROVED

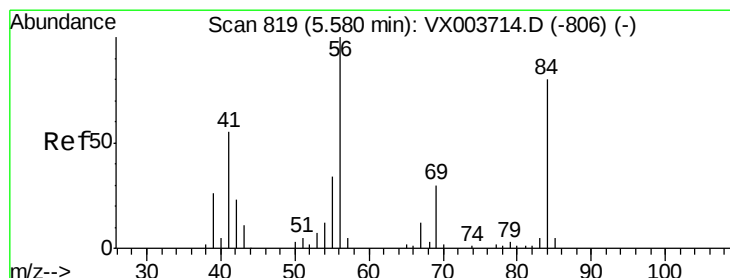
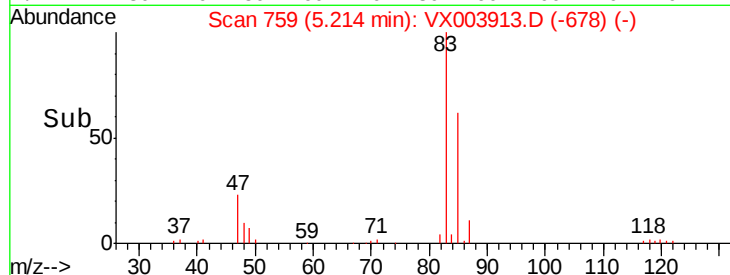
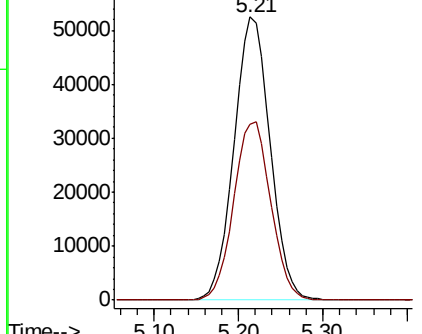
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.77 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

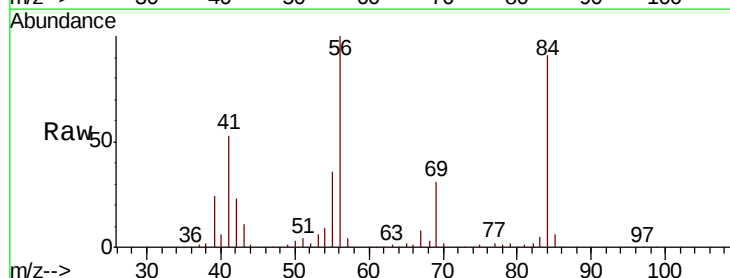
Tgt Ion: 56 Resp: 129494

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

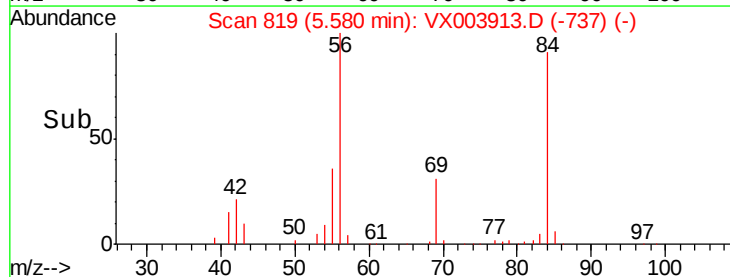
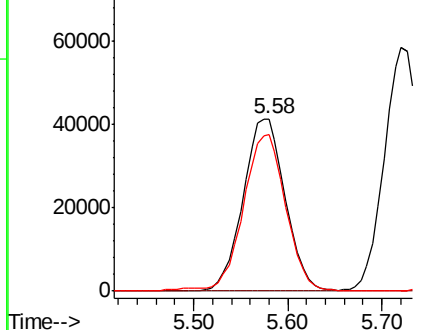
84 90.5 64.9 97.3

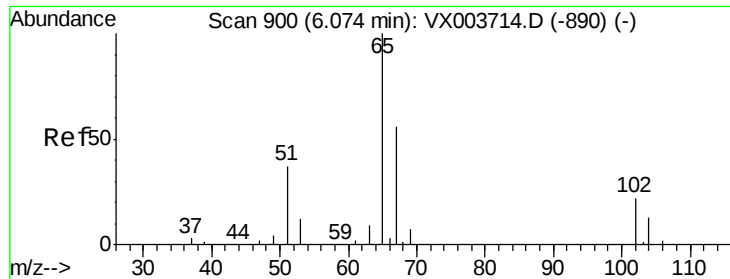


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.40 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Tot Ion: 65 Resp: 147353

Ion Ratio Lower Upper

65 100

67 53.8 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

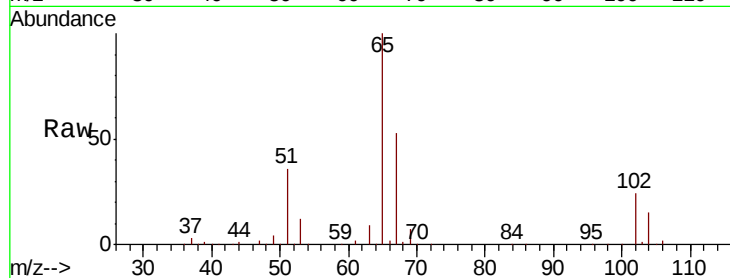
VSTDCCC020EC

Manual Integrations

APPROVED

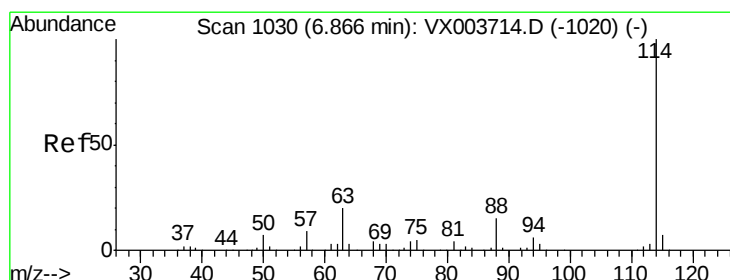
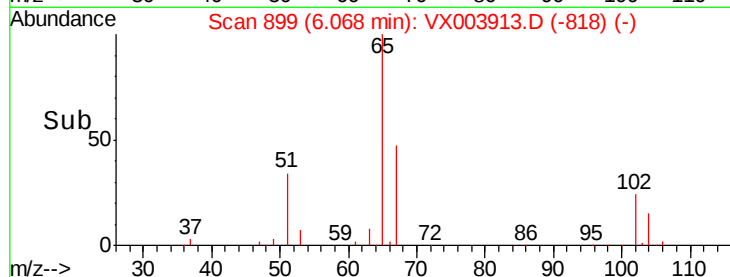
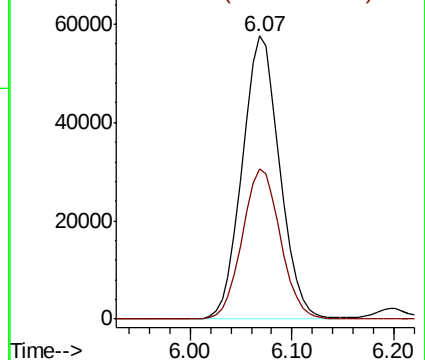
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

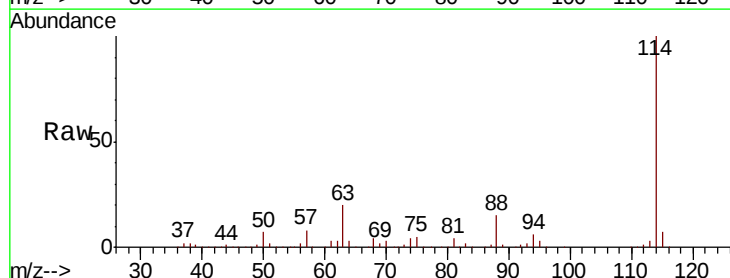
Tgt Ion: 114 Resp: 390299

Ion Ratio Lower Upper

114 100

63 19.5 17.1 25.7

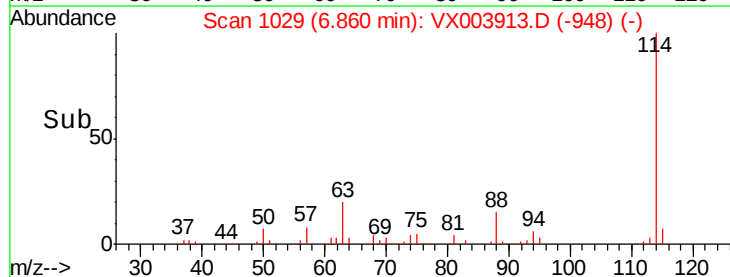
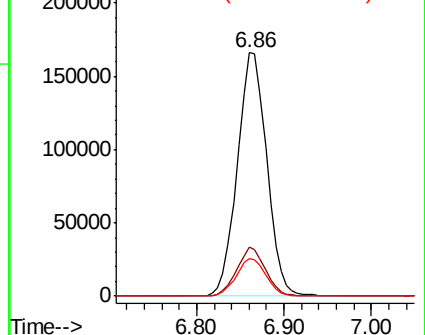
88 15.4 12.6 19.0

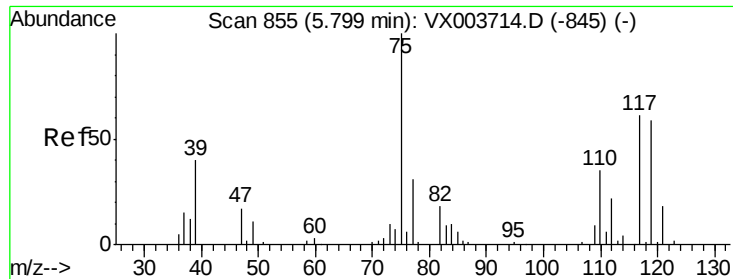


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





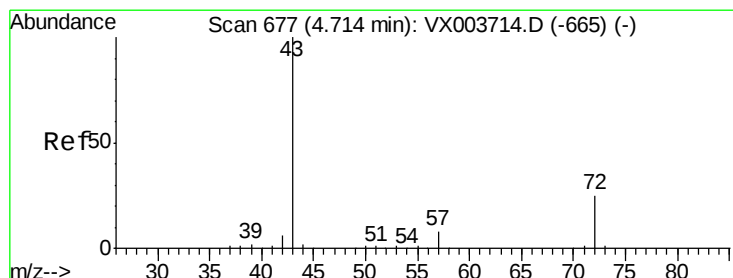
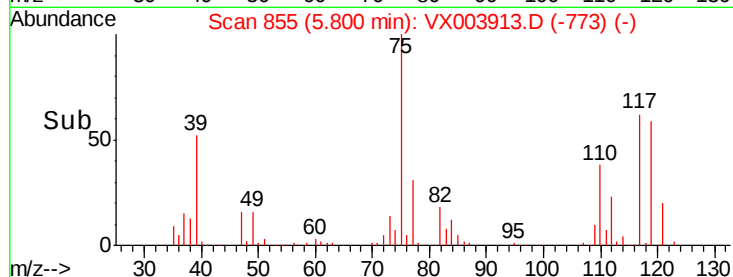
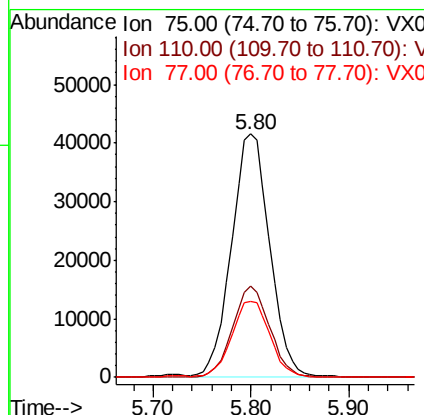
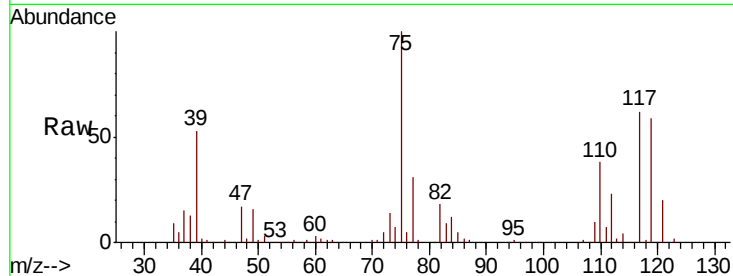
#29
 1,1-Dichloropropene
 Concen: 19.60 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	0.0	71.4	
77	31.3	0.0	60.6	

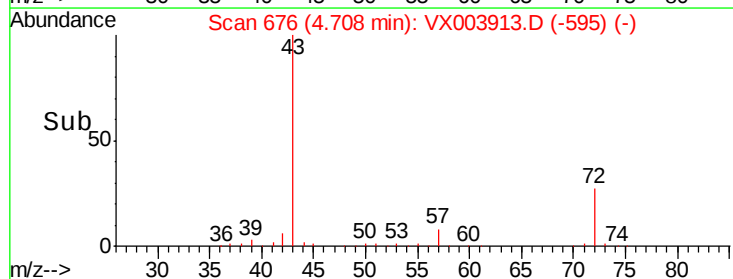
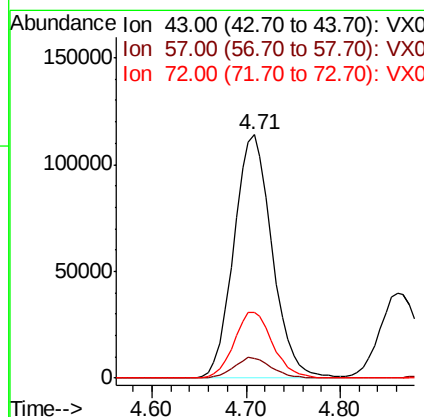
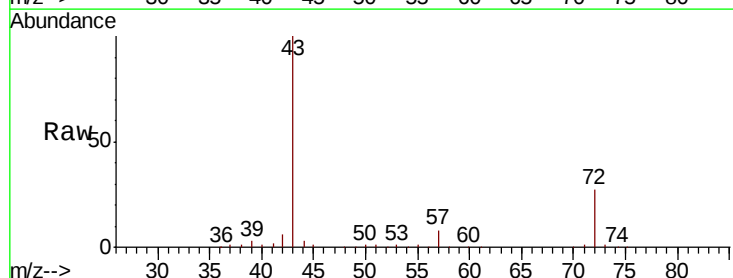
Manual Integrations
 APPROVED

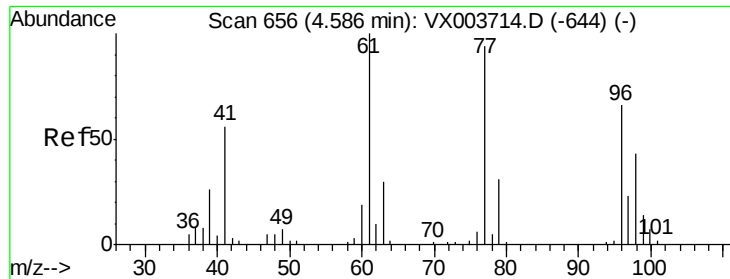
MMDadoda
 8/8/2018 12:06:30 PM



#30
 2-Butanone
 Concen: 87.50 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.4	6.1	9.1	
72	27.3	18.1	27.1	





#31

2,2-Dichloropropane

Concen: 9.73 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 54342

Ion Ratio Lower Upper

77 100

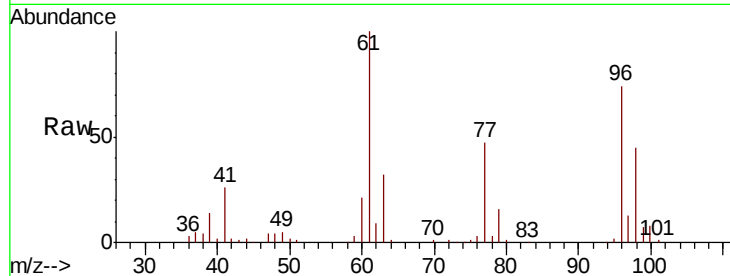
97 26.7 18.7 28.1

Manual Integrations

APPROVED

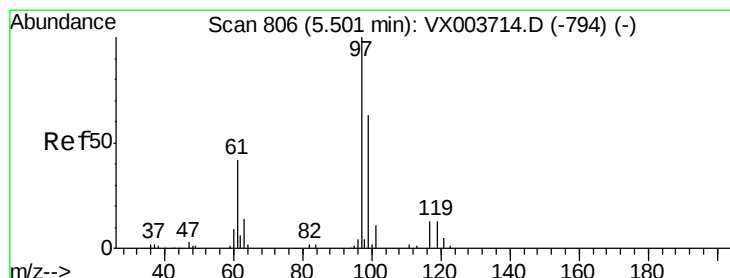
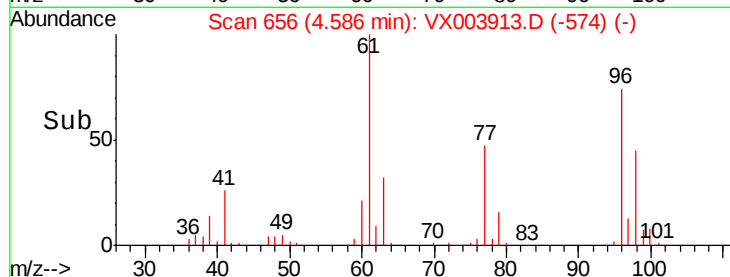
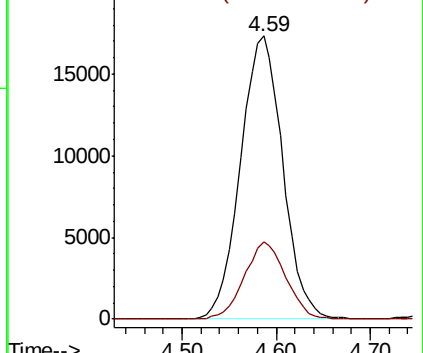
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.27 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

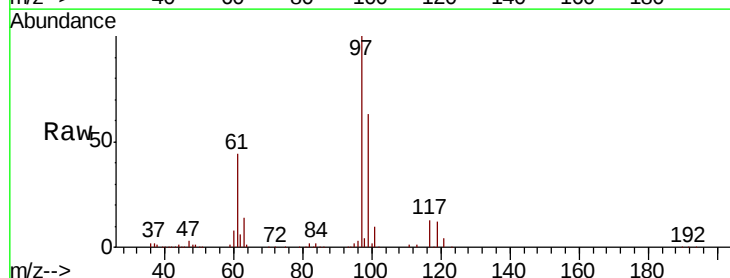
Tgt Ion: 97 Resp: 127071

Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

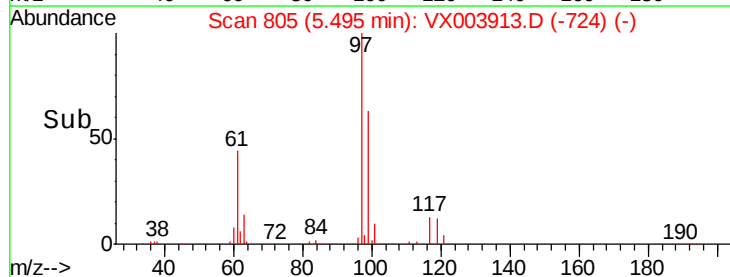
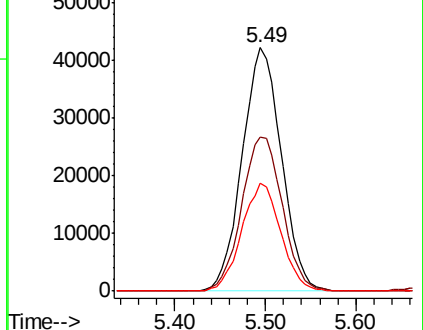
61 44.1 36.4 54.6

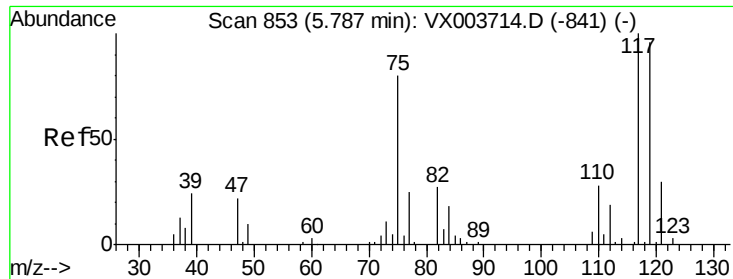


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





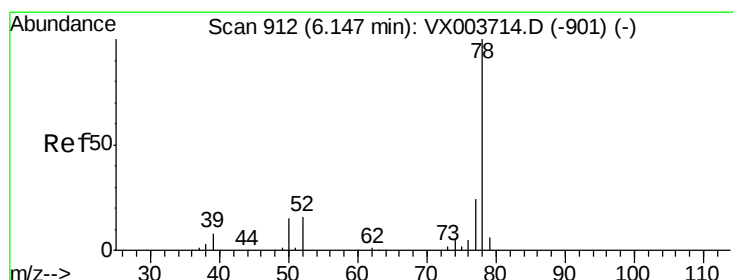
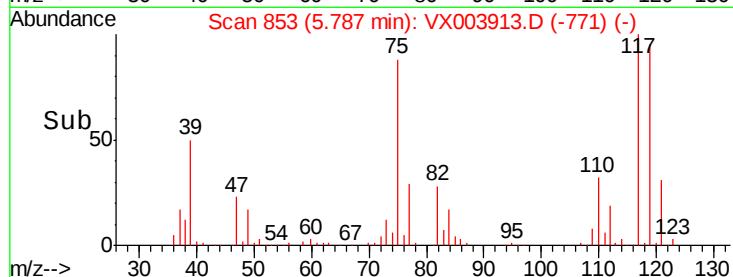
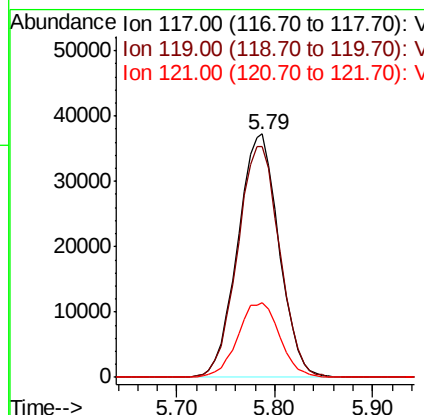
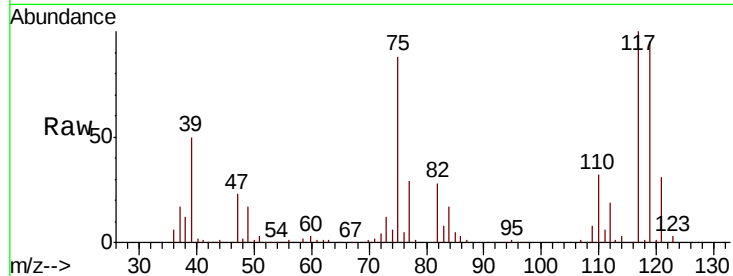
#33
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.3	109.9
121	30.6	23.6	35.4

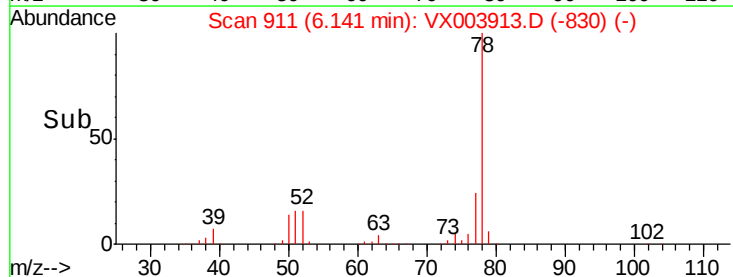
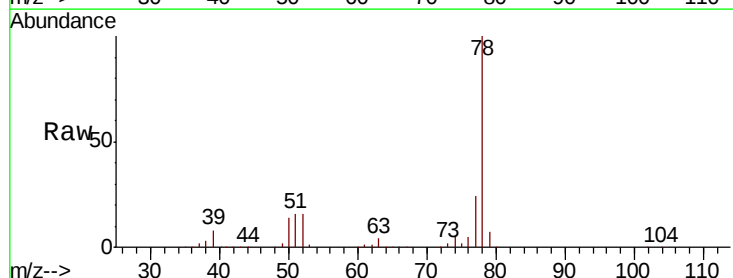
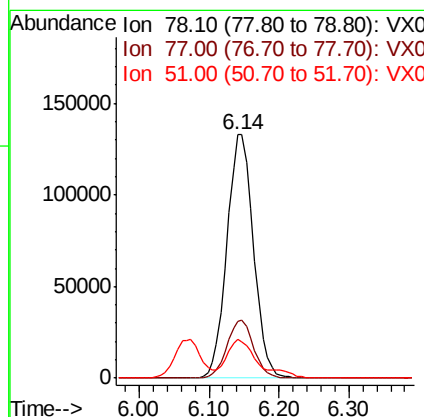
Manual Integrations
APPROVED

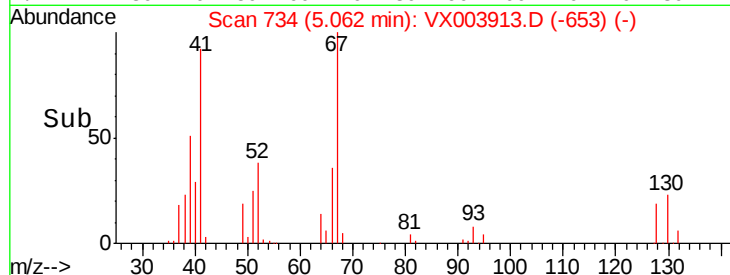
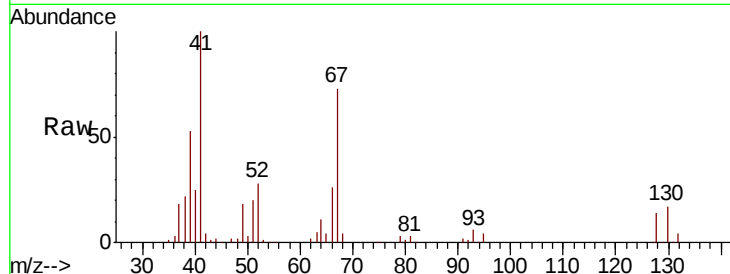
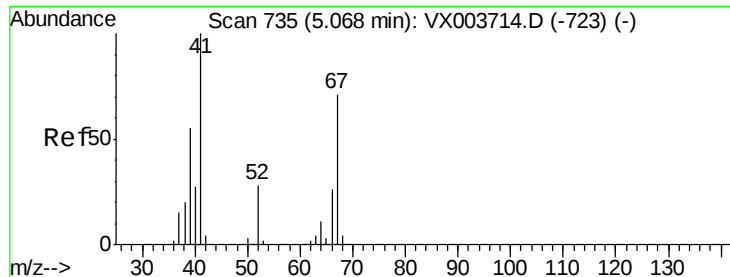
MMDadoda
8/8/2018 12:06:30 PM



#34
Benzene
Concen: 19.84 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0
51	16.0	13.8	20.6





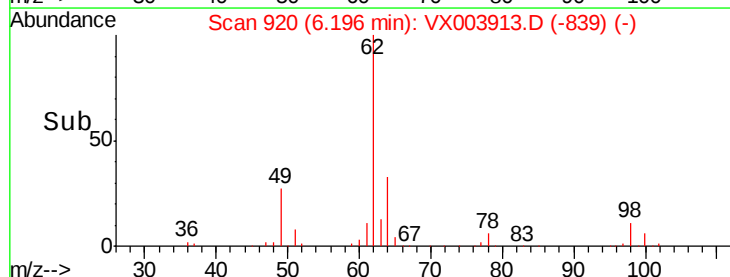
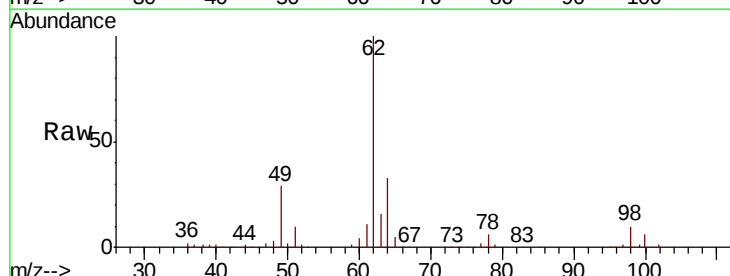
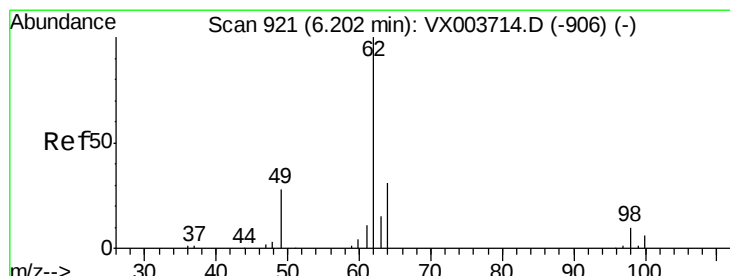
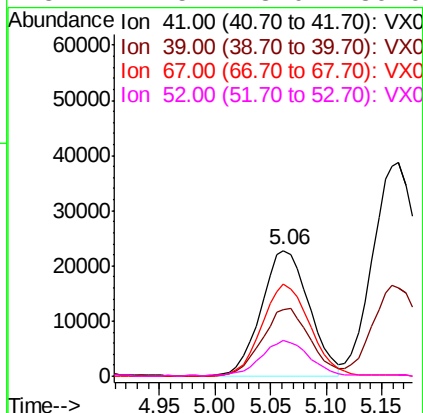
#35
Methacrylonitrile
Concen: 17.91 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	28.8	86.5	
67	73.0	30.4	91.2	
52	27.5	13.0	39.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

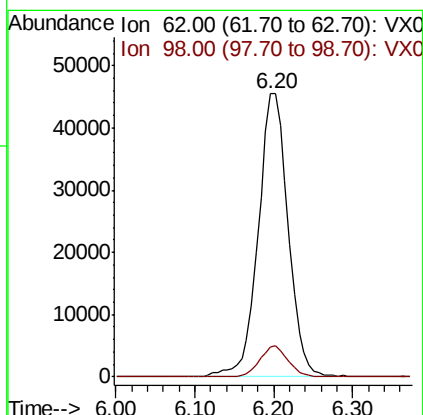
Manual Integrations
APPROVED

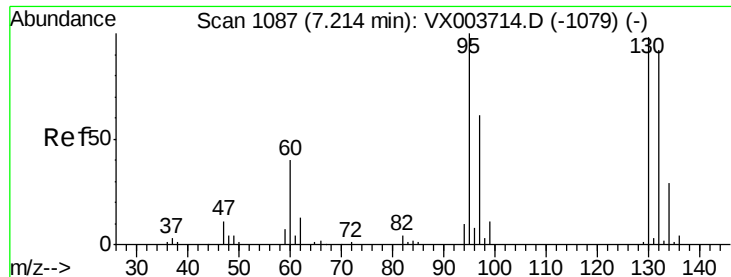
MMDadoda
8/8/2018 12:06:30 PM



#36
1,2-Dichloroethane
Concen: 18.88 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	6.5	9.7#	





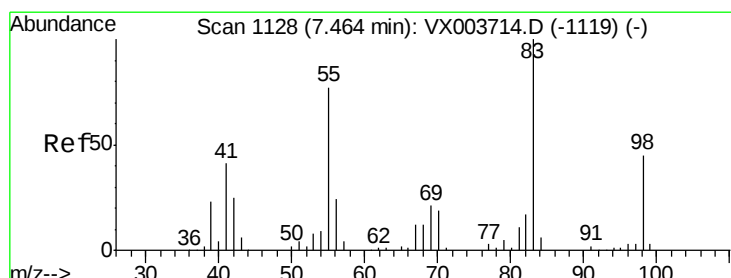
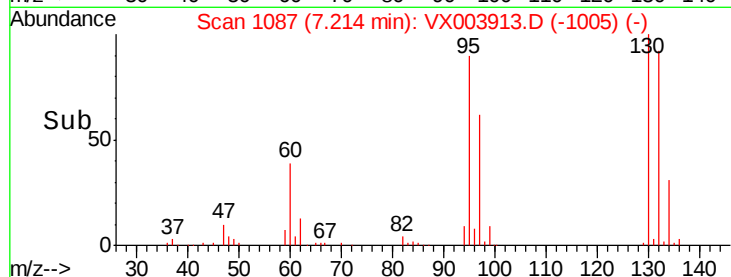
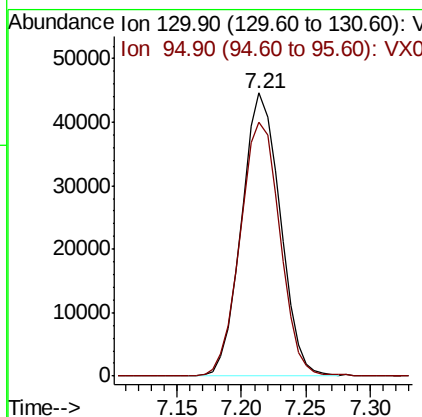
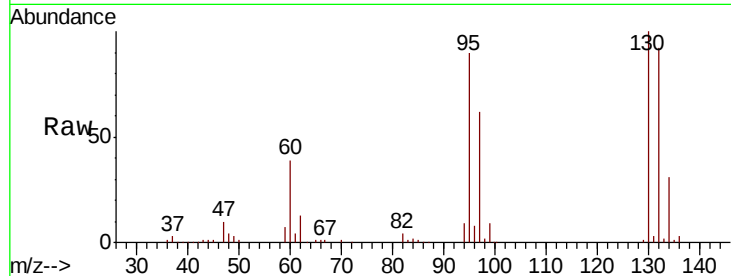
#37
 Trichloroethene
 Concen: 20.13 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 92899
 Ion Ratio Lower Upper
 130 100
 95 89.5 81.5 122.3

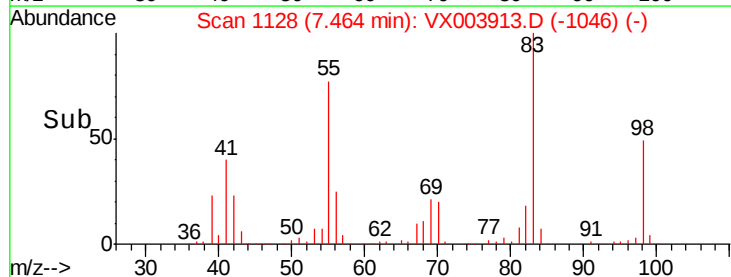
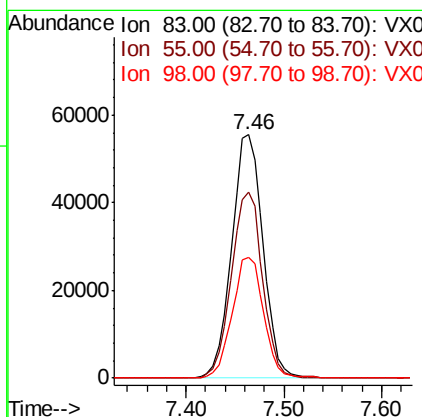
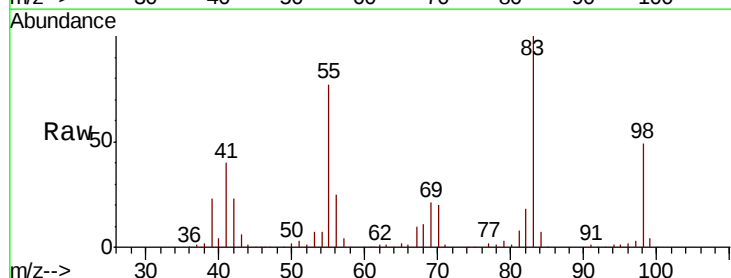
Manual Integrations
 APPROVED

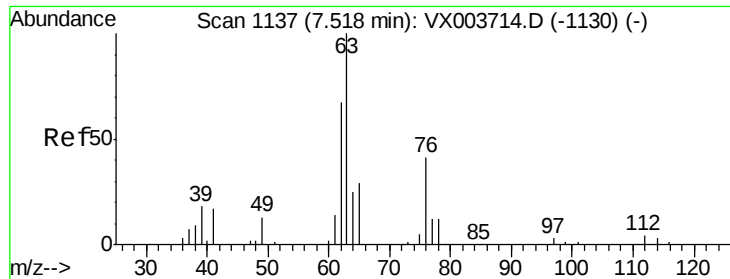
MMDadoda
 8/8/2018 12:06:30 PM



#38
 Methylcyclohexane
 Concen: 18.86 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion: 83 Resp: 123510
 Ion Ratio Lower Upper
 83 100
 55 75.6 40.6 121.8
 98 49.5 23.5 70.5





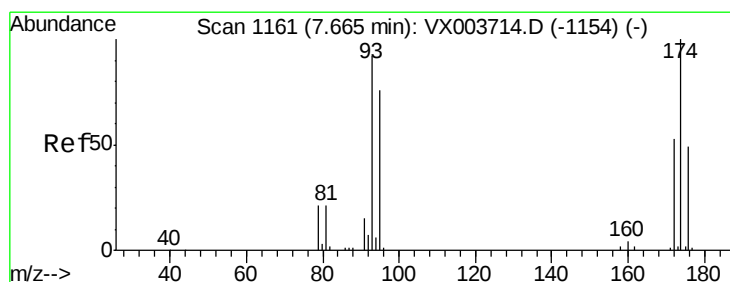
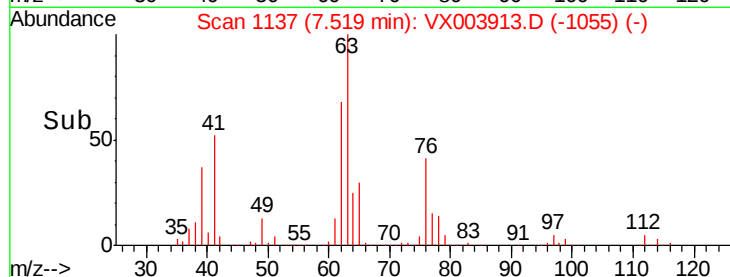
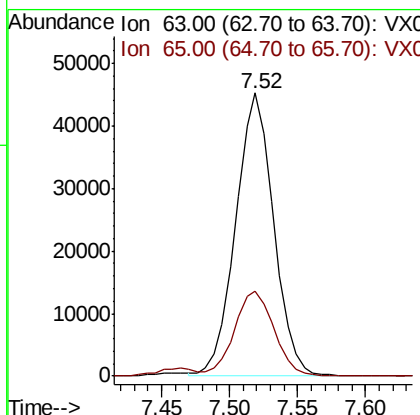
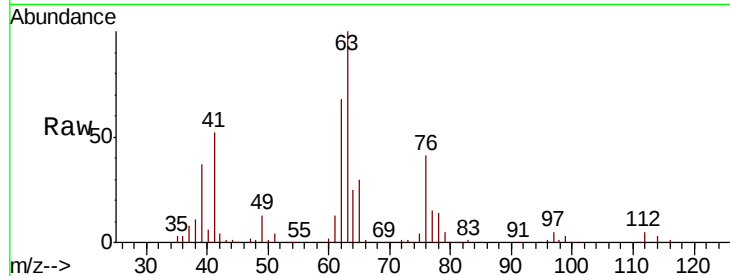
#39
 1,2-Dichloropropane
 Concen: 18.90 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.3	34.9

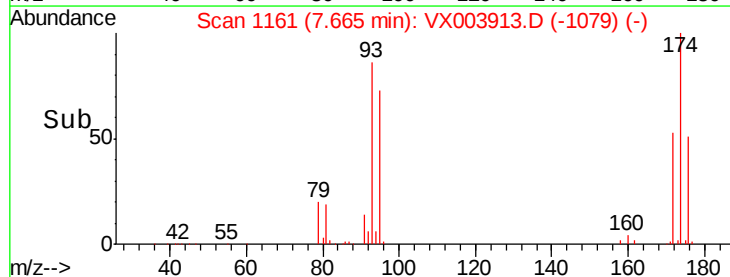
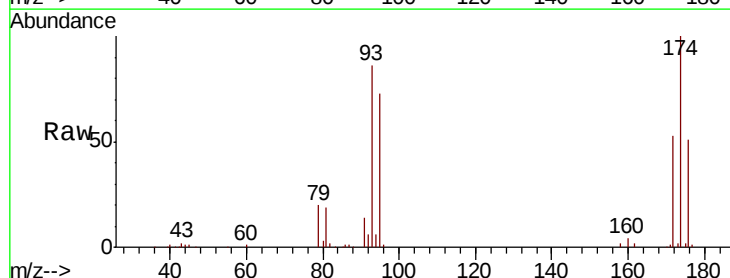
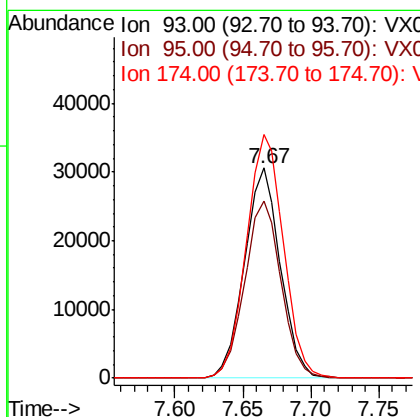
Manual Integrations
 APPROVED

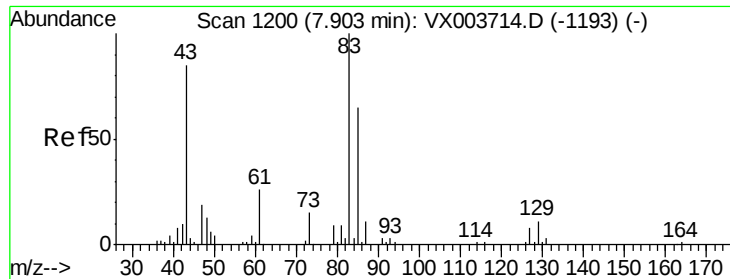
MMDadoda
 8/8/2018 12:06:30 PM



#40
 Dibromomethane
 Concen: 18.69 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	0.0	162.6
174	119.8	0.0	229.4





#41

Bromodichloromethane

Concen: 18.27 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

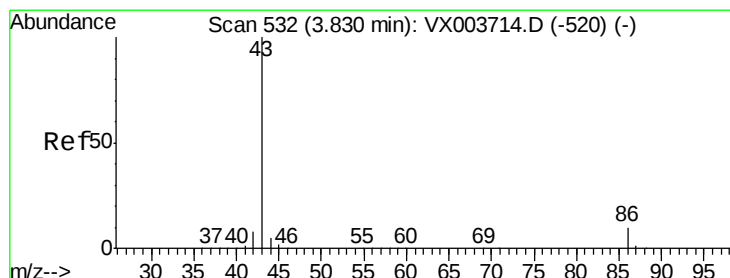
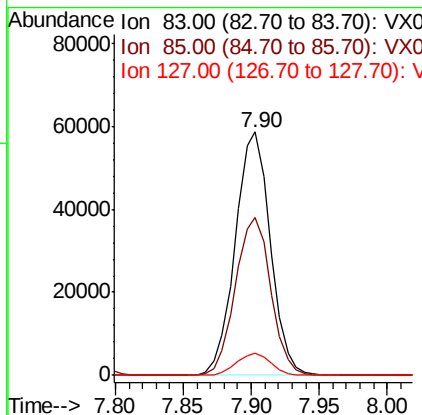
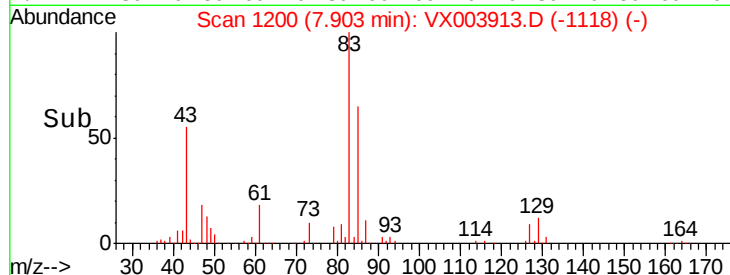
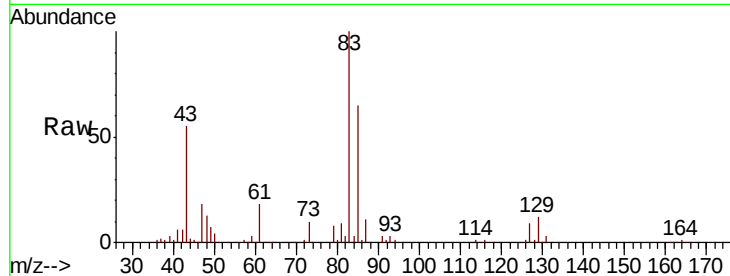
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	105701
Ion Ratio	Lower	Upper	
83	100		
85	64.7	49.8	74.8
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



#42

Vinyl Acetate

Concen: 72.87 ug/l

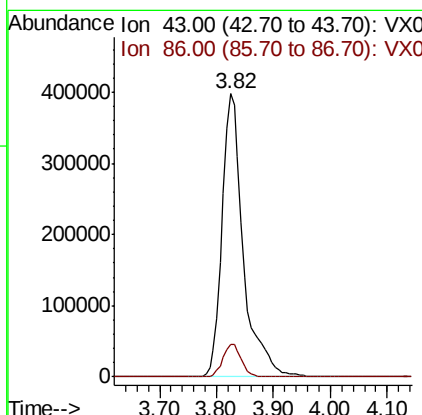
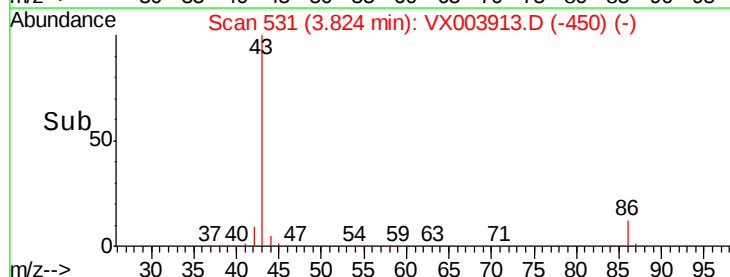
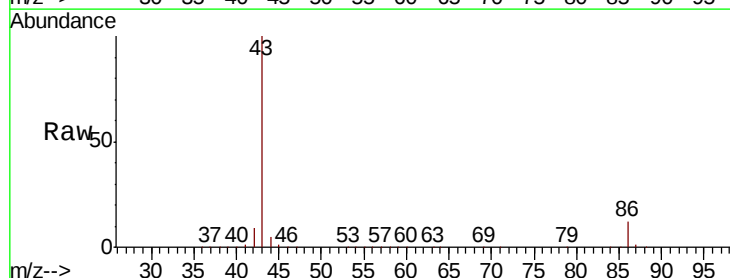
RT: 3.82 min Scan# 531

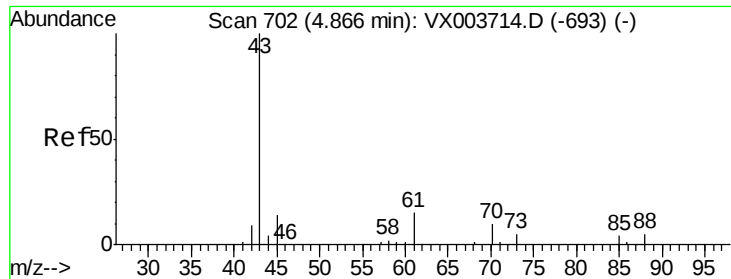
Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Tgt Ion:	43	Resp:	1030525
Ion Ratio	Lower	Upper	
43	100		
86	10.0	6.7	10.1





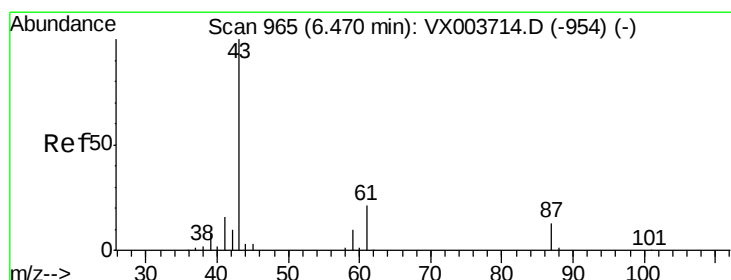
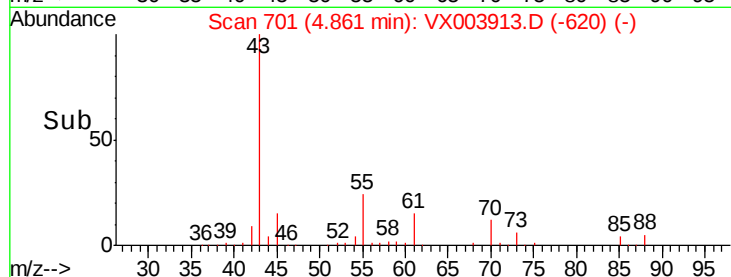
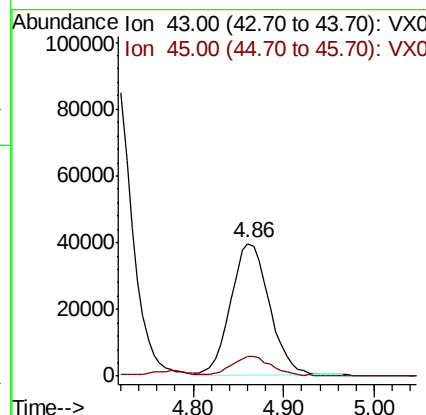
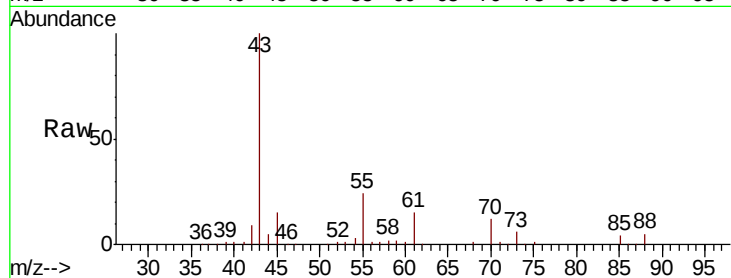
#43
Ethyl Acetate
Concen: 17.01 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 116933
Ion Ratio Lower Upper
43 100
45 14.1 11.0 16.4

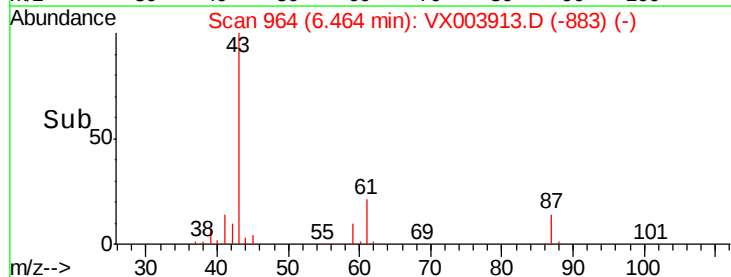
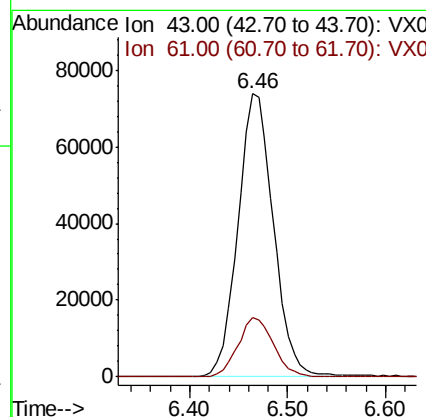
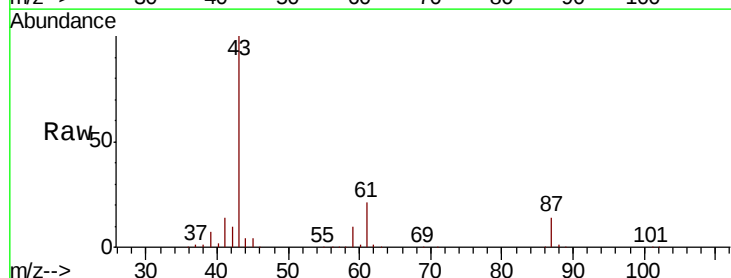
Manual Integrations
APPROVED

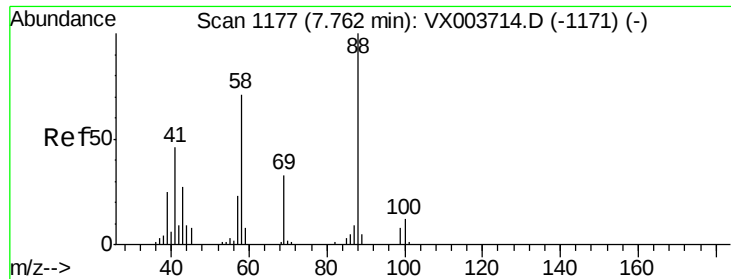
MMDadoda
8/8/2018 12:06:30 PM



#44
Isopropyl Acetate
Concen: 17.48 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion: 43 Resp: 184285
Ion Ratio Lower Upper
43 100
61 21.2 14.5 21.7





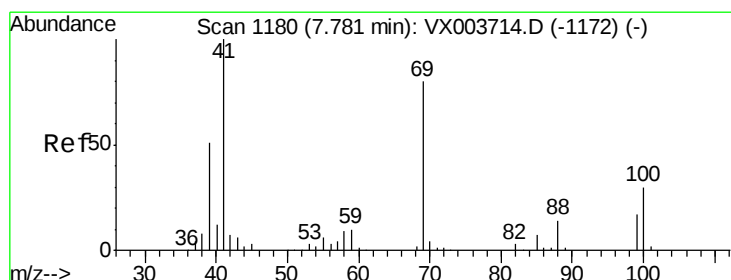
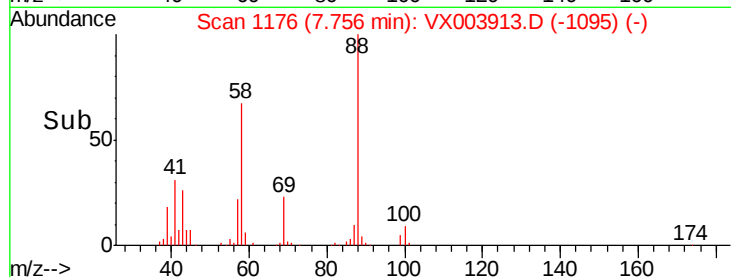
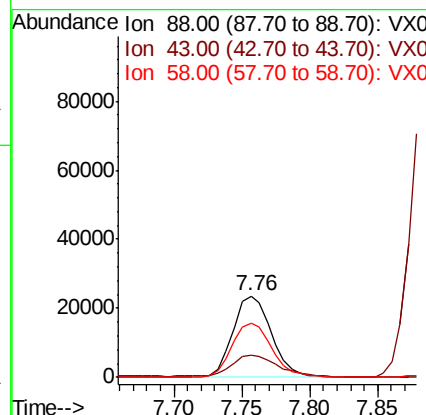
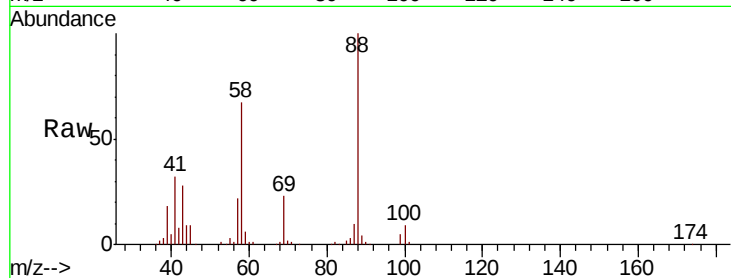
#45
1,4-Dioxane
Concen: 399.29 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	43.2	64.8#
58	68.9	60.2	90.2

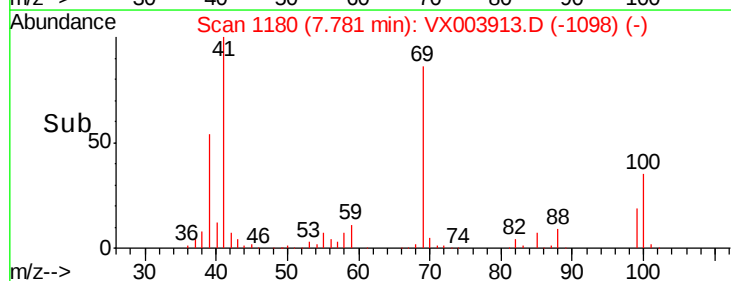
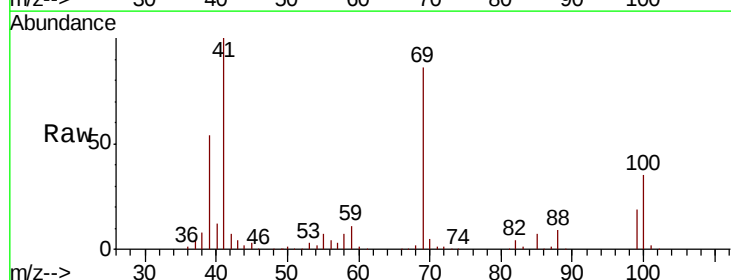
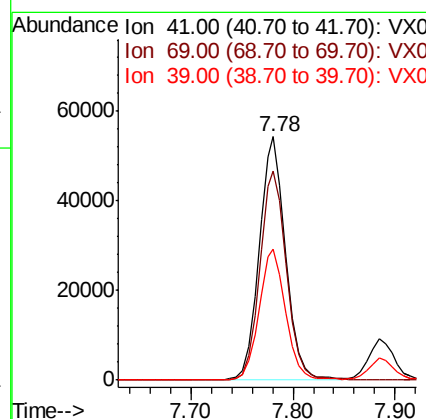
Manual Integrations
APPROVED

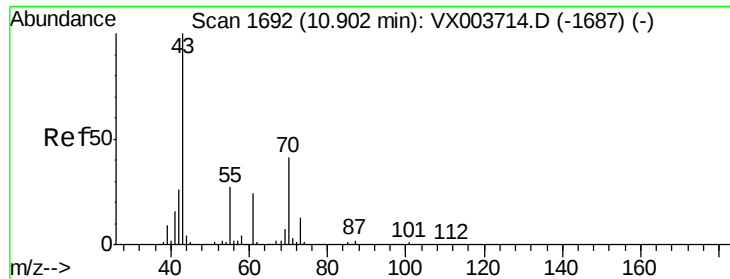
MMDadoda
8/8/2018 12:06:30 PM



#46
Methyl methacrylate
Concen: 17.89 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.0	37.0	110.9
39	53.5	29.6	88.9





#47

n-amvl Acetate

Concen: 15.92 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 158518

Ion Ratio Lower Upper

43 100

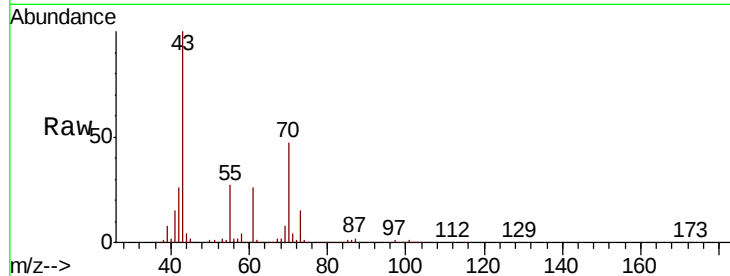
55 26.9 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

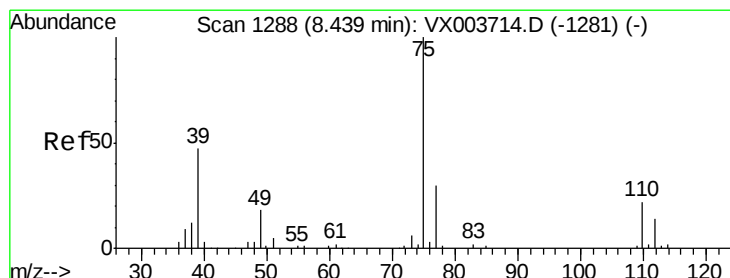
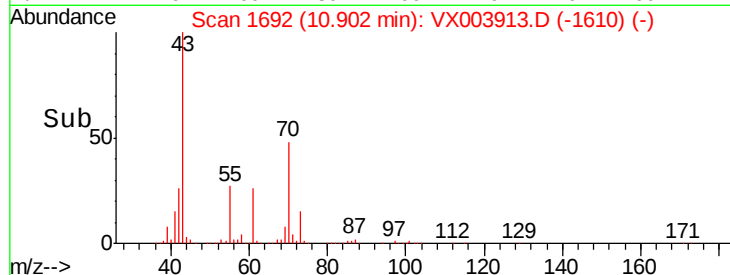
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 16.78 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003913.D

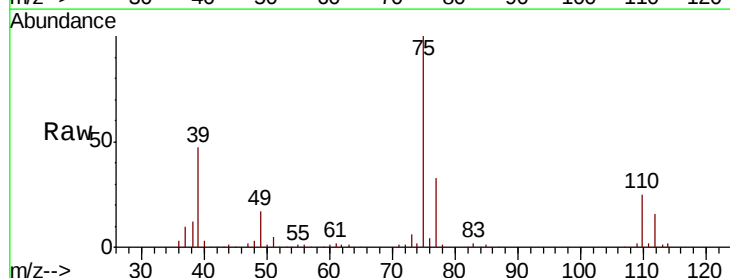
Acq: 08 Aug 2018 07:10

Tgt Ion: 75 Resp: 117810

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.44

80000

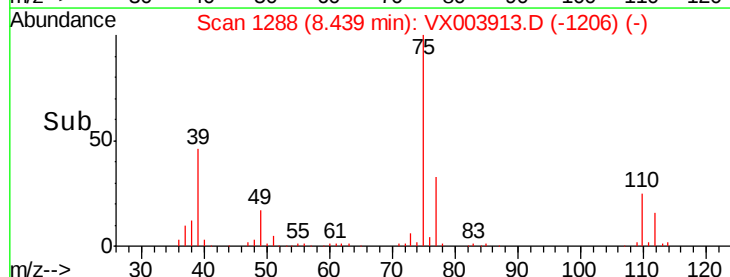
60000

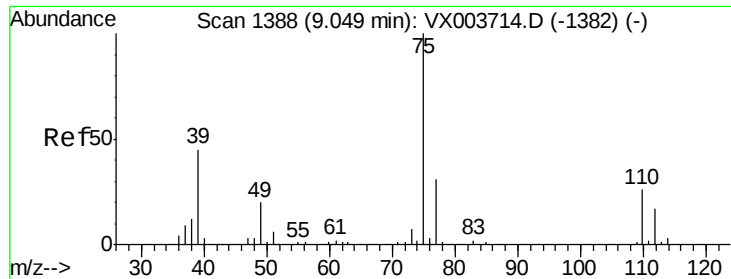
40000

20000

0

Time-->





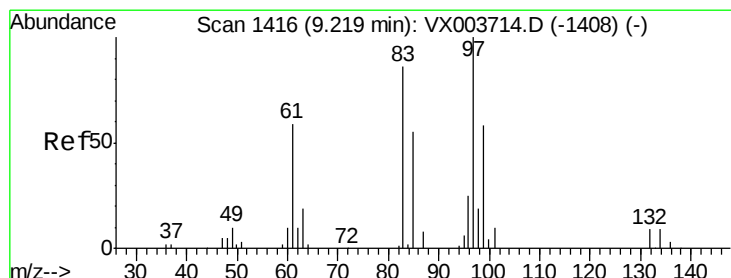
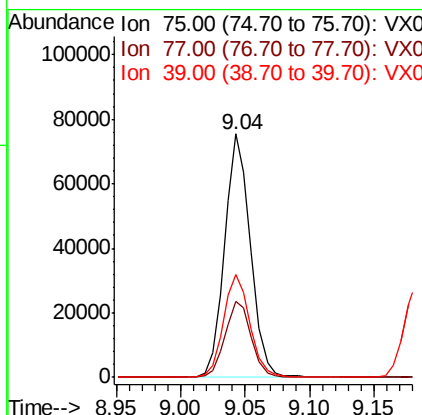
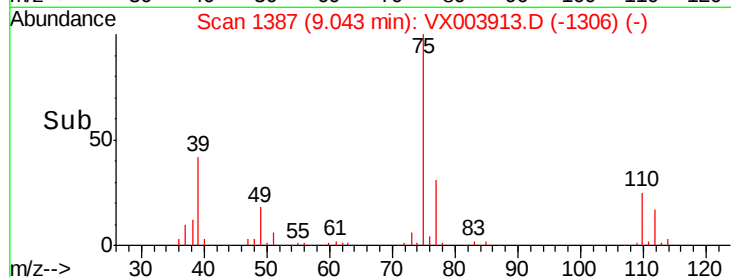
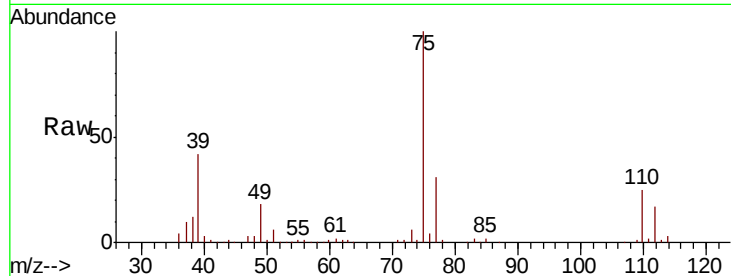
#49
 cis-1,3-Dichloropropene
 Concen: 16.16 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	42.0	42.3	63.5#

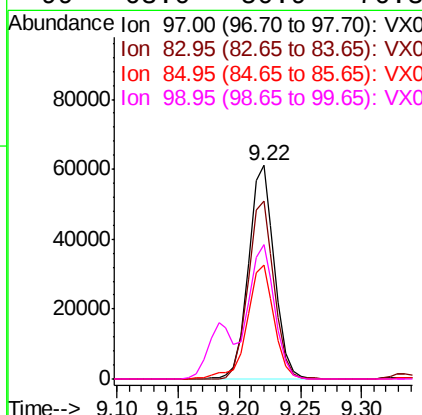
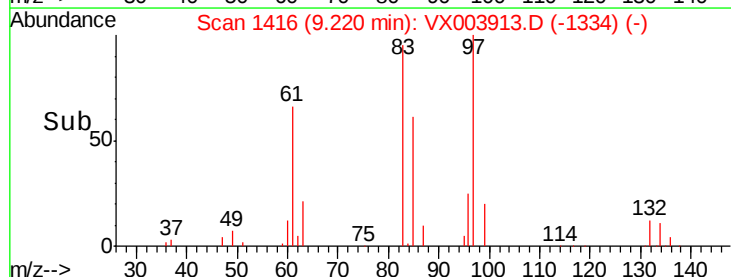
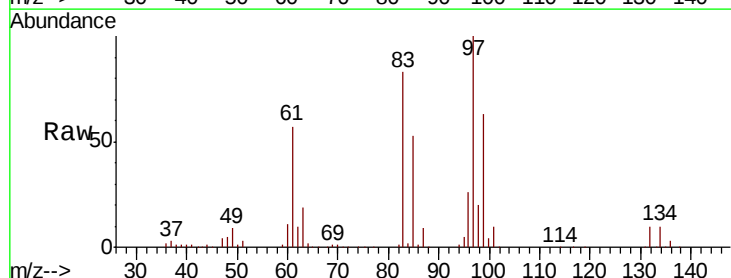
Manual Integrations
 APPROVED

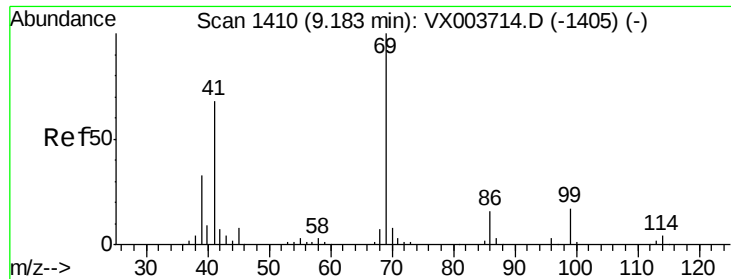
MMDadoda
 8/8/2018 12:06:30 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.8	106.2
85	53.4	43.5	65.3
99	63.0	50.9	76.3





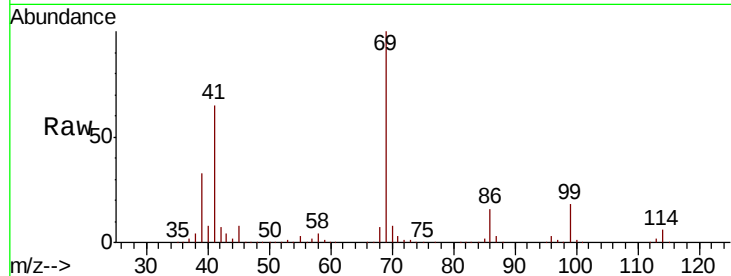
#51
Ethyl methacrylate
Concen: 17.23 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

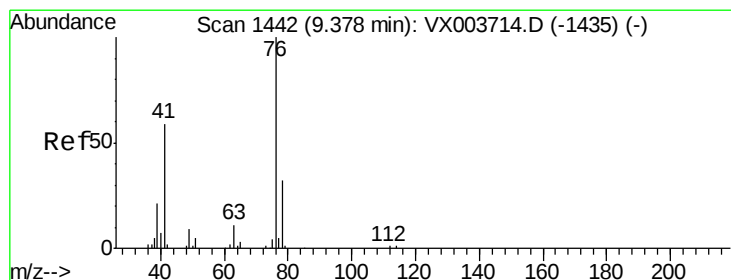
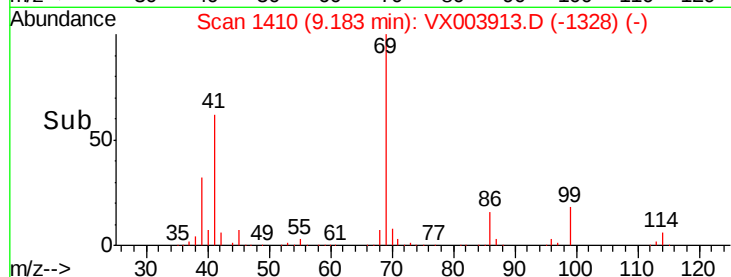
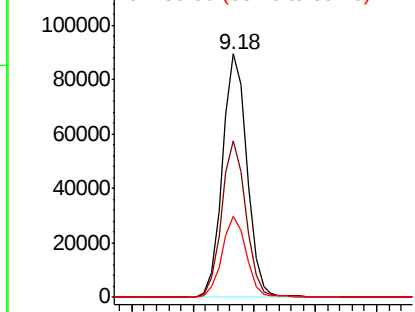
Tot Ion	Ratio	Lower	Upper
69	100		
41	64.4	39.1	117.3
39	33.2	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM

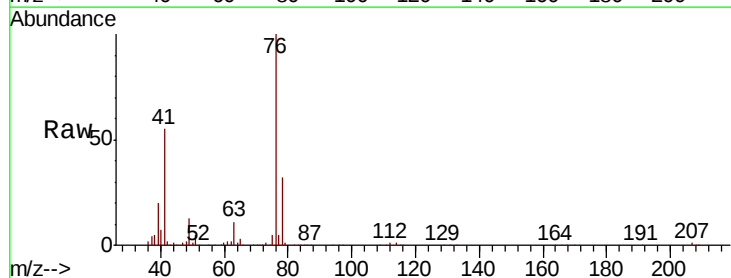


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

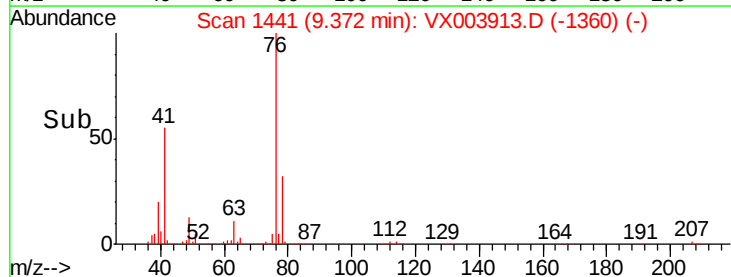
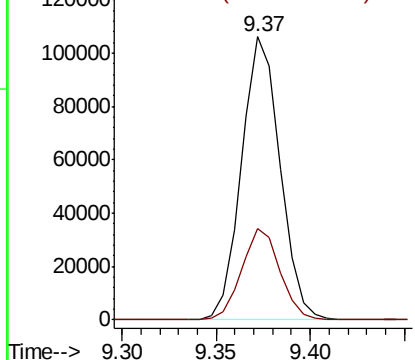


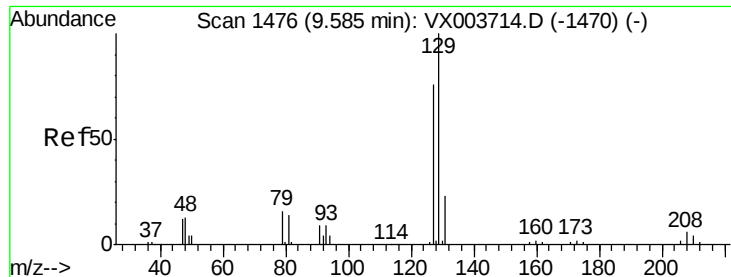
#52
1,3-Dichloropropane
Concen: 18.85 ug/l
RT: 9.37 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.94 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 84731

Ion Ratio Lower Upper

129 100

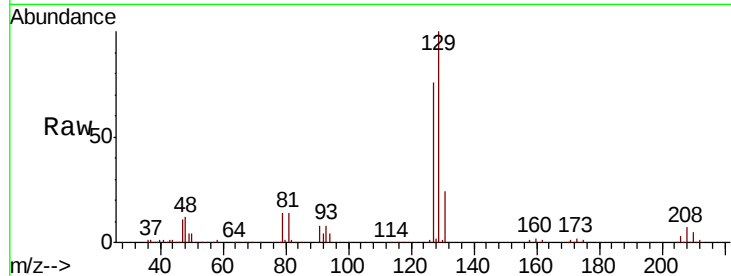
127 77.0 38.5 115.3

Manual Integrations

APPROVED

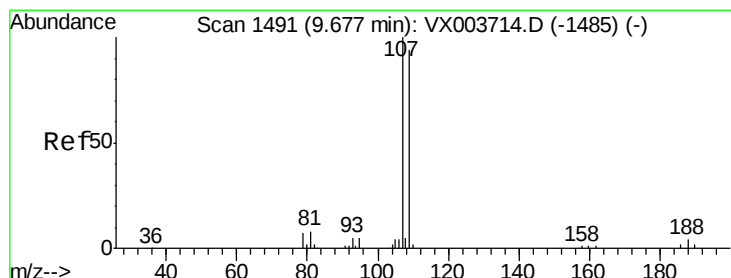
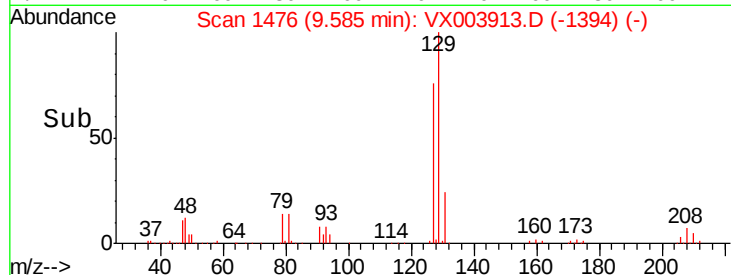
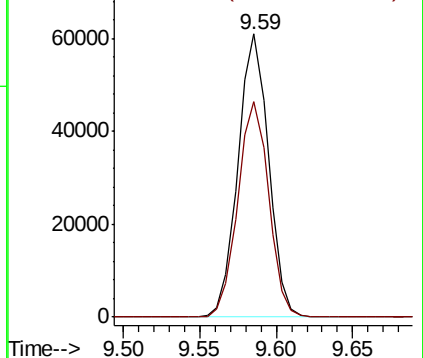
MMDadoda

8/8/2018 12:06:30 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.23 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003913.D

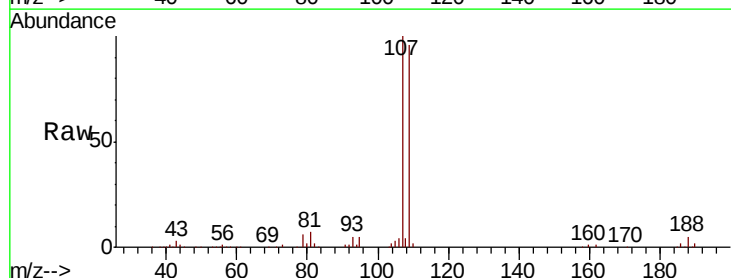
Acq: 08 Aug 2018 07:10

Tgt Ion:107 Resp: 91646

Ion Ratio Lower Upper

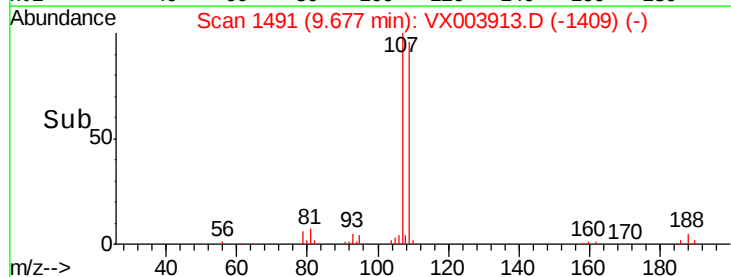
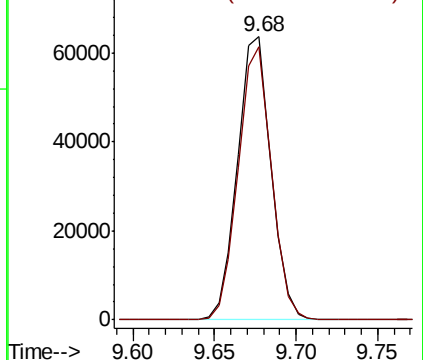
107 100

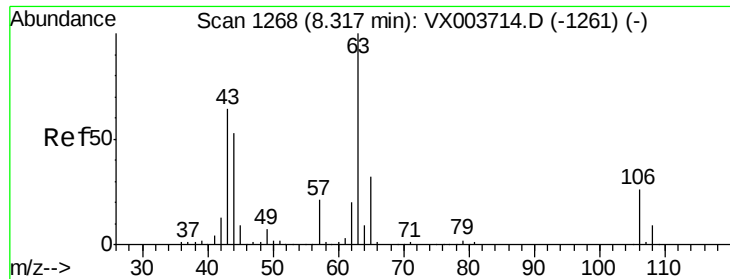
109 95.4 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





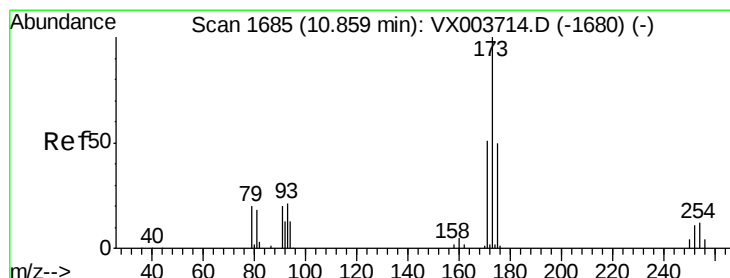
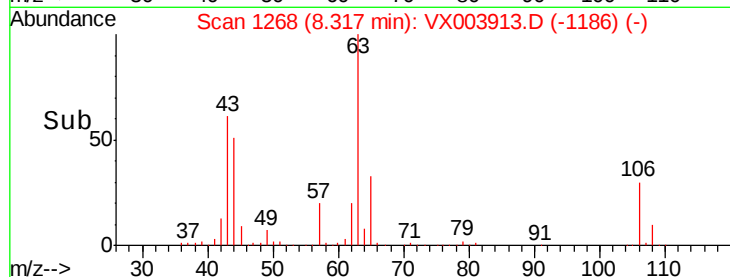
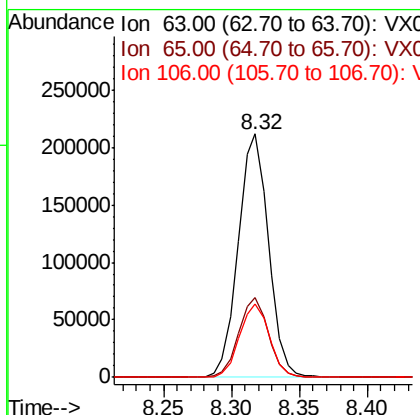
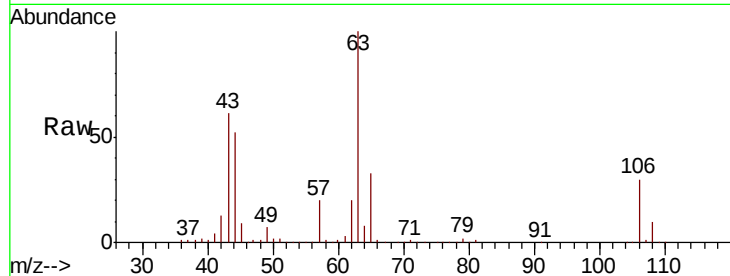
#55
2-Chloroethyl vinyl ether
Concen: 88.04 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	30.1	21.6	32.4

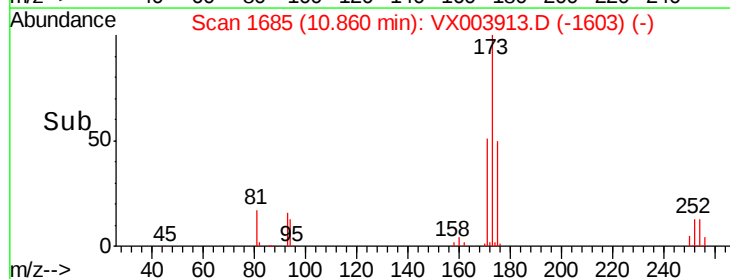
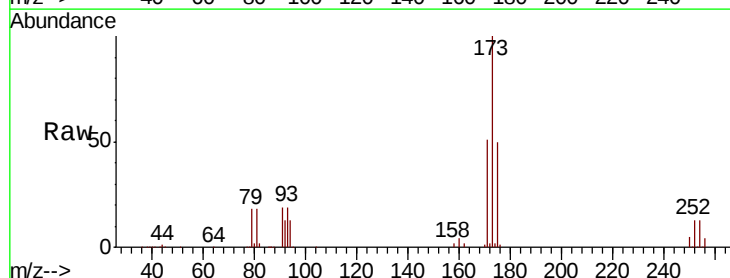
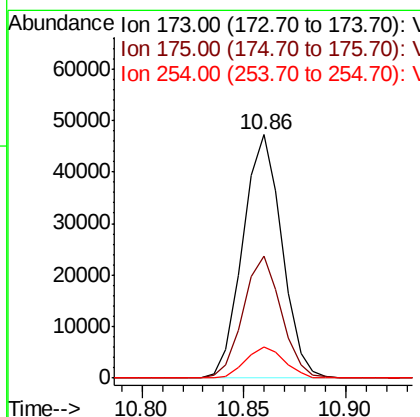
Manual Integrations
APPROVED

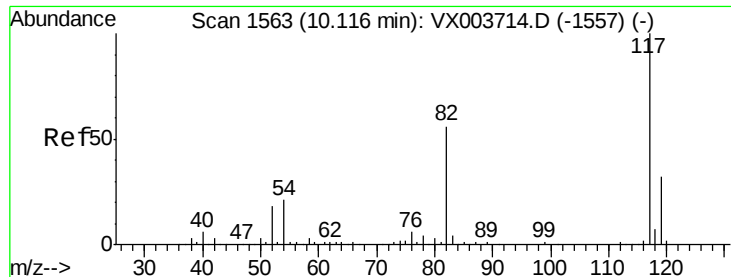
MMDadoda
8/8/2018 12:06:30 PM



#56
Bromoform
Concen: 17.24 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.0	58.4
254	12.9	9.6	14.4





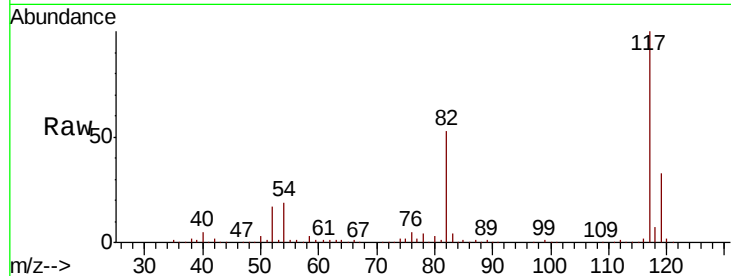
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

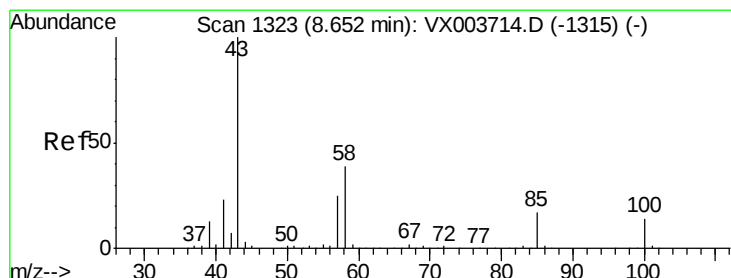
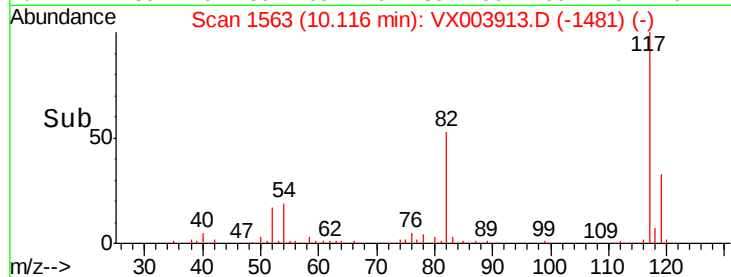
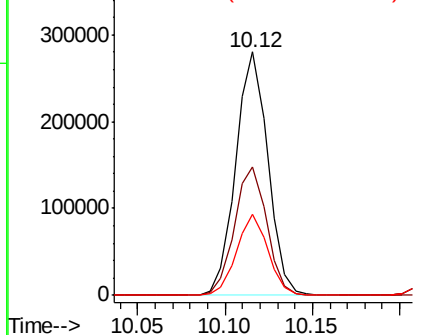
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.3	66.5
119	32.5	25.7	38.5

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM

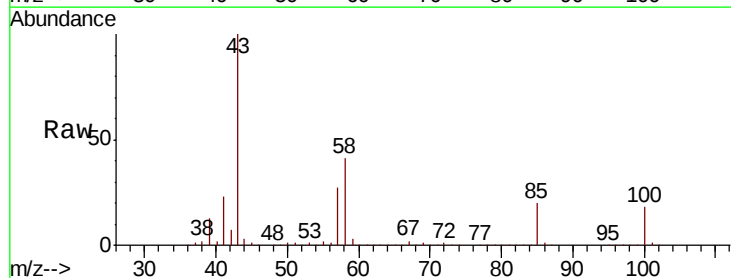


Abundance Ion 117.00 (116.70 to 117.70): VX0
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): VX0

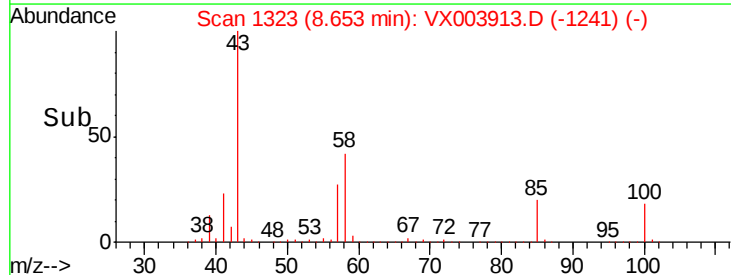
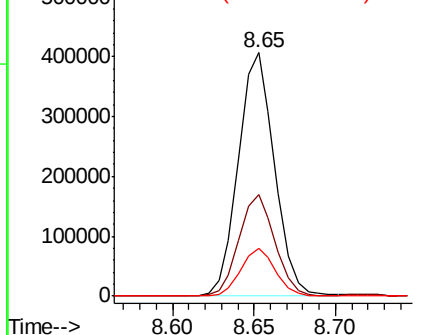


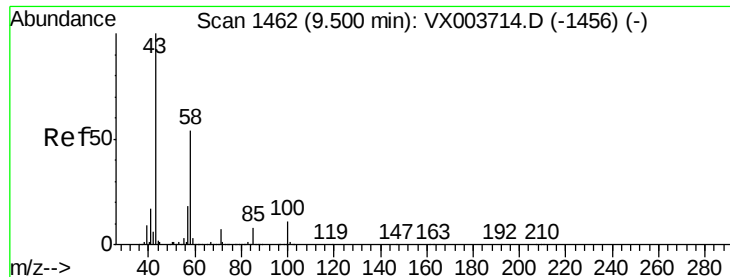
#58
4-Methyl-2-Pentanone
Concen: 92.89 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	28.2	42.4
85	19.1	12.4	18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





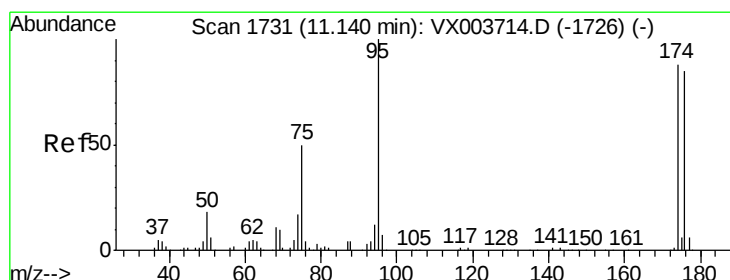
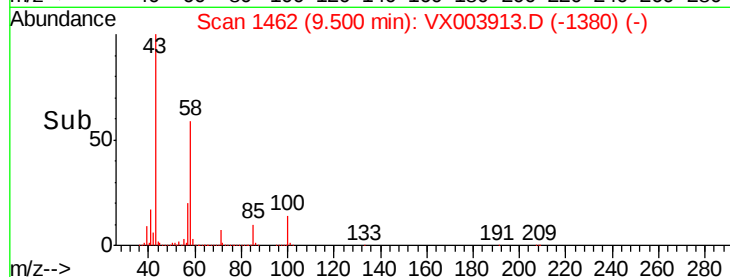
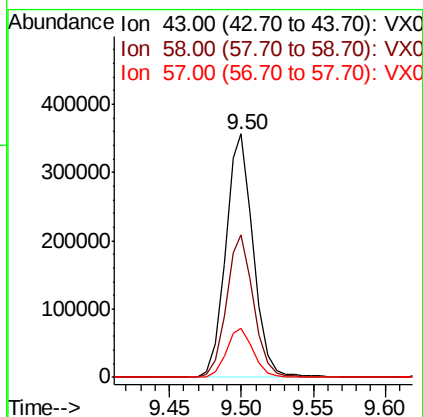
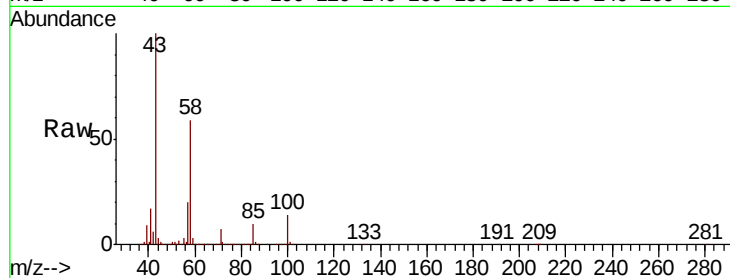
#59
2-Hexanone
Concen: 88.56 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	43	Resp:	476411
Ion Ratio	Lower	Upper	
43	100		
58	57.9	39.6	59.4
57	20.0	14.1	21.1

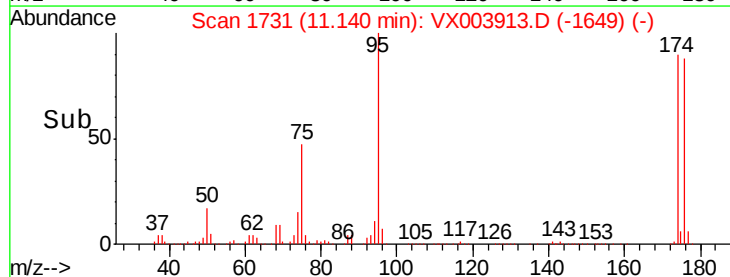
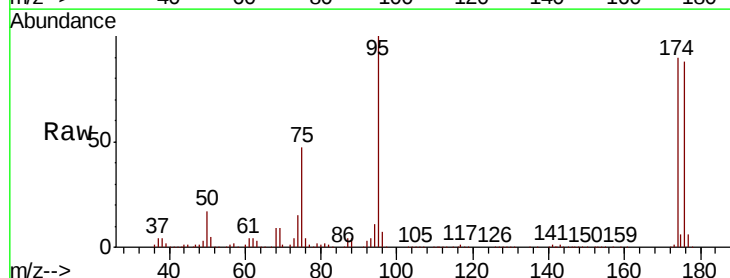
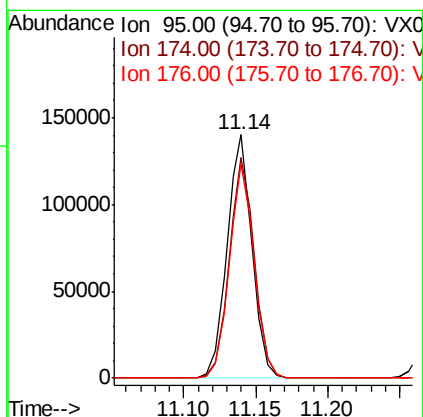
Manual Integrations
APPROVED

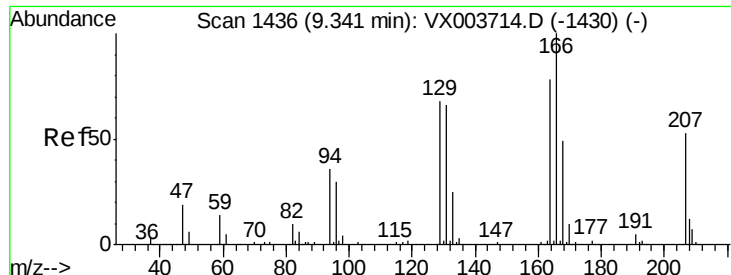
MMDadoda
8/8/2018 12:06:30 PM



#60
4-Bromofluorobenzene
Concen: 29.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion:	95	Resp:	170773
Ion Ratio	Lower	Upper	
95	100		
174	90.9	71.8	107.6
176	87.4	70.1	105.1





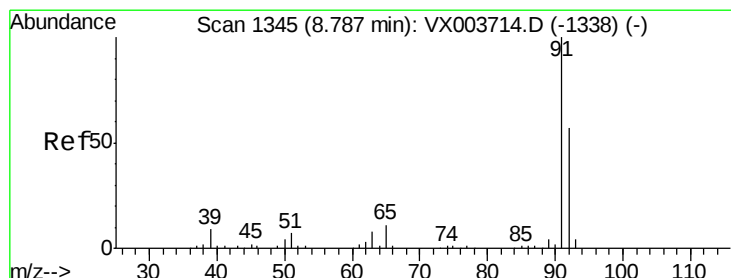
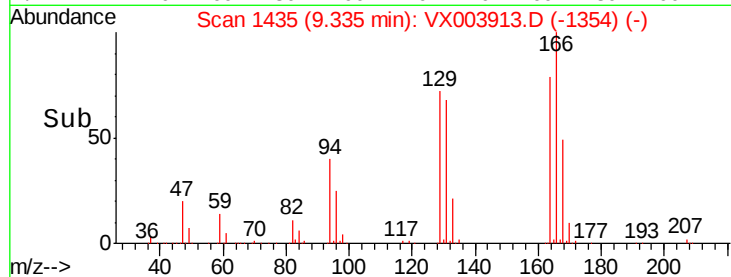
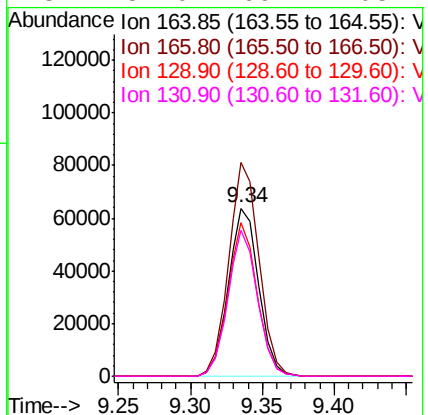
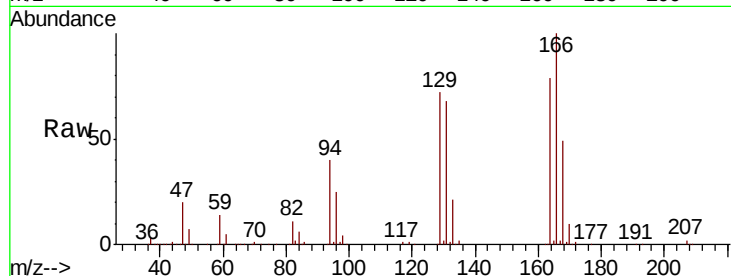
#61
 Tetrachloroethene
 Concen: 22.50 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	164	Resp:	93695
Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.4	153.6
129	91.2	70.1	105.1
131	87.0	69.1	103.7

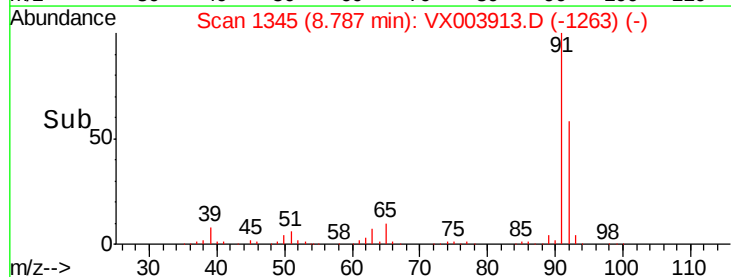
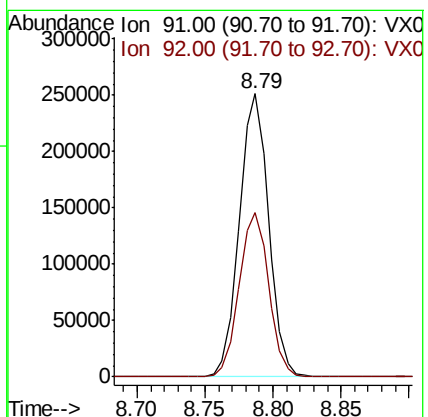
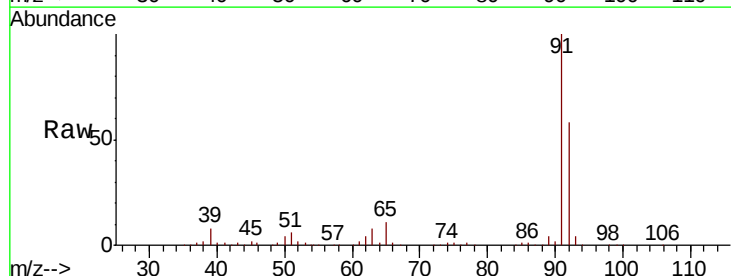
Manual Integrations
 APPROVED

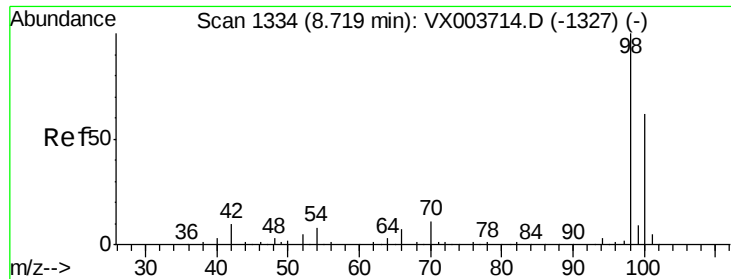
MMDadoda
 8/8/2018 12:06:30 PM



#62
 Toluene
 Concen: 20.38 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion:	91	Resp:	378493
Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.5	69.7





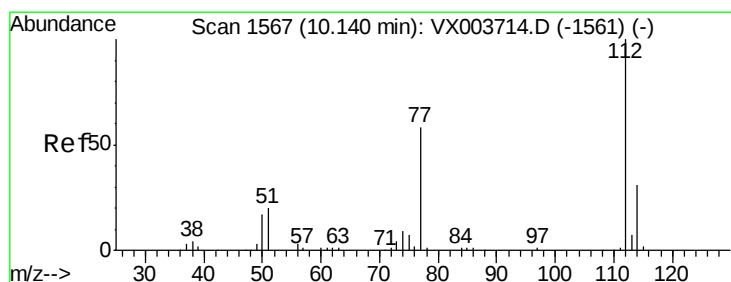
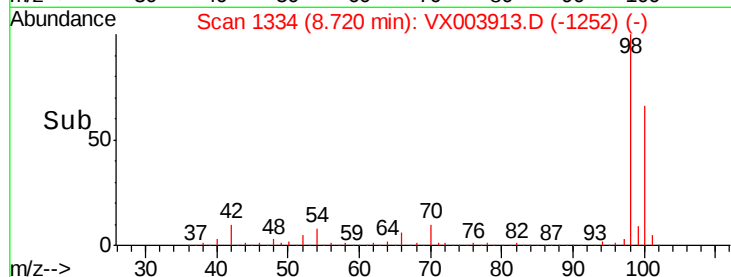
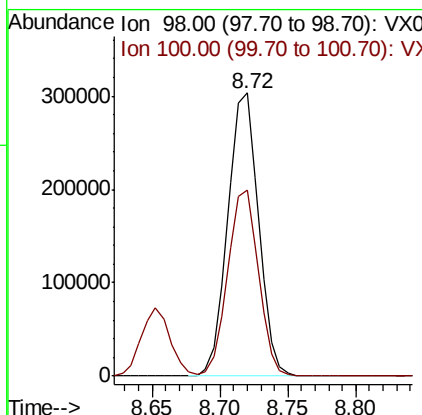
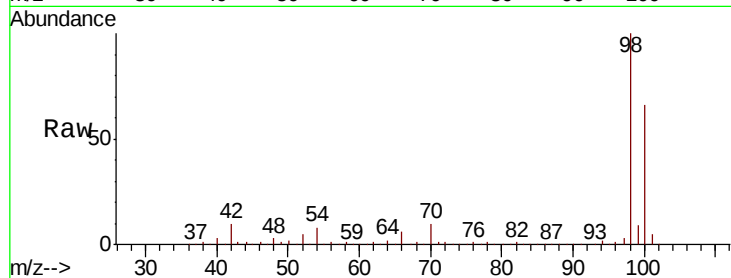
#63
Toluene-d8
Concen: 29.63 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 477577
Ion Ratio Lower Upper
98 100
100 65.6 50.8 76.2

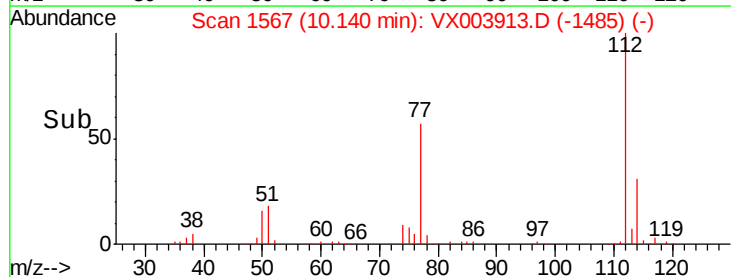
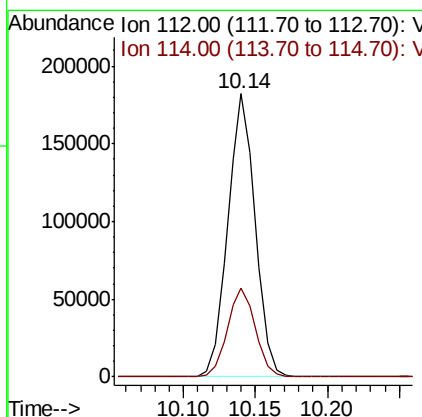
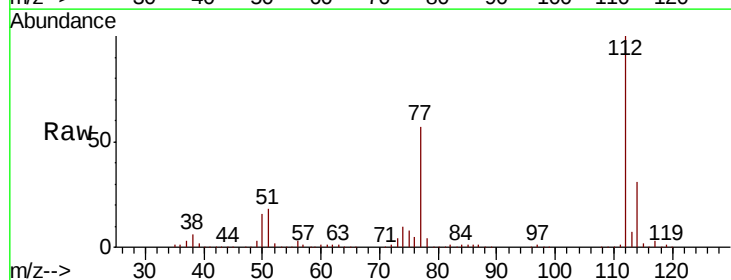
Manual Integrations
APPROVED

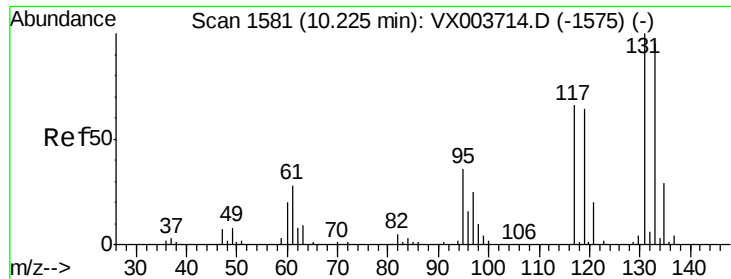
MMDadoda
8/8/2018 12:06:30 PM



#64
Chlorobenzene
Concen: 20.26 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion: 112 Resp: 243210
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 84173

Ion Ratio Lower Upper

131 100

133 96.5 0.0 191.2

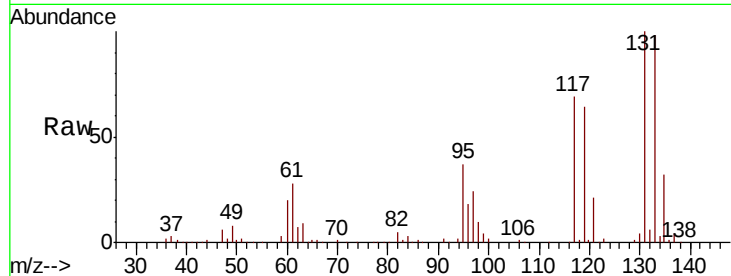
119 64.9 0.0 125.4

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:06:30 PM

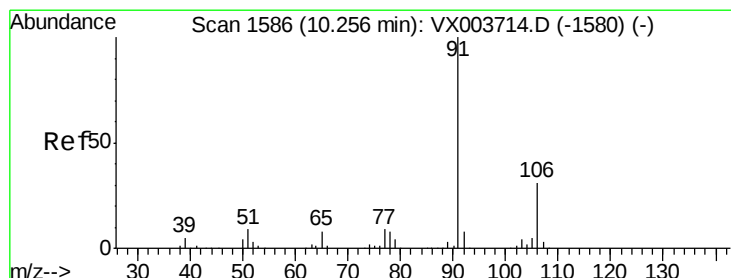
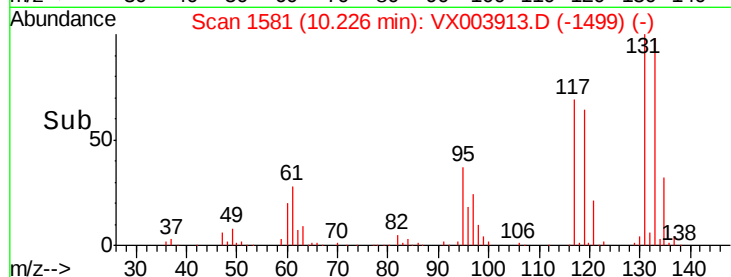
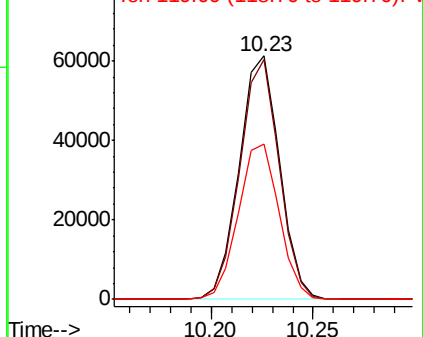


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.87 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003913.D

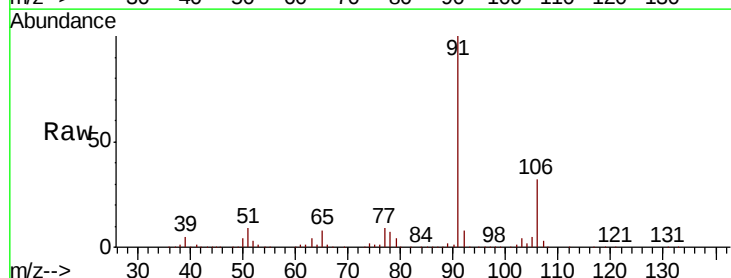
Acq: 08 Aug 2018 07:10

Tgt Ion: 91 Resp: 406108

Ion Ratio Lower Upper

91 100

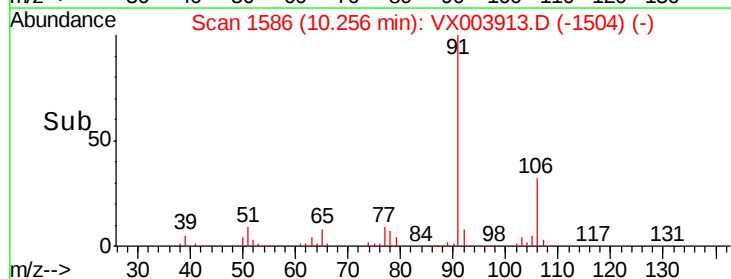
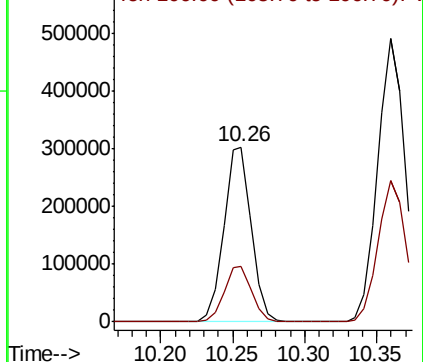
106 32.0 25.2 37.8

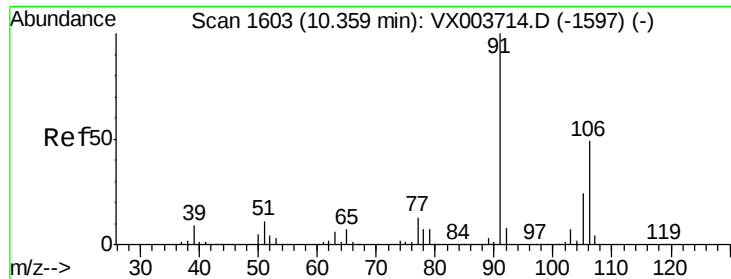


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





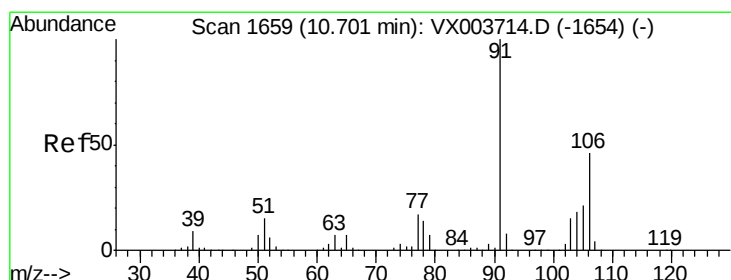
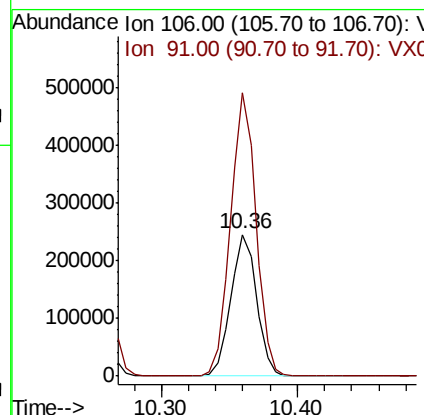
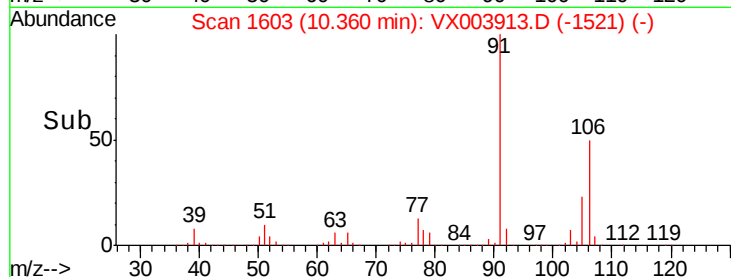
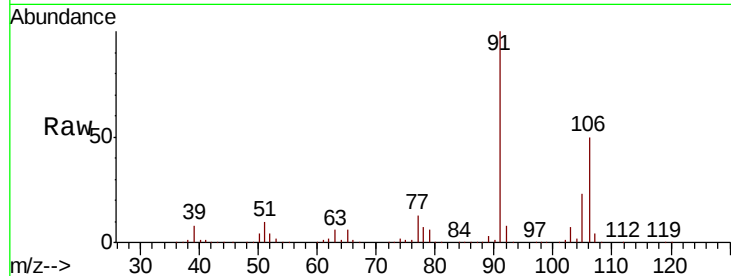
#67
m/p-Xvlenes
Concen: 40.92 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 322110
Ion Ratio Lower Upper
106 100
91 198.3 164.1 246.1

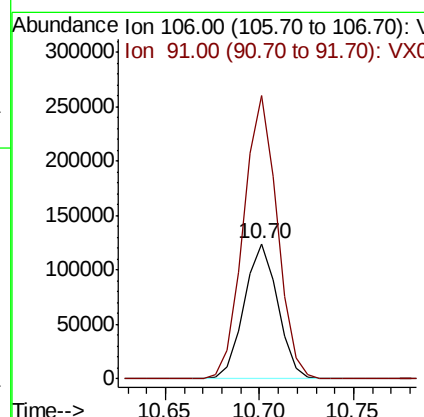
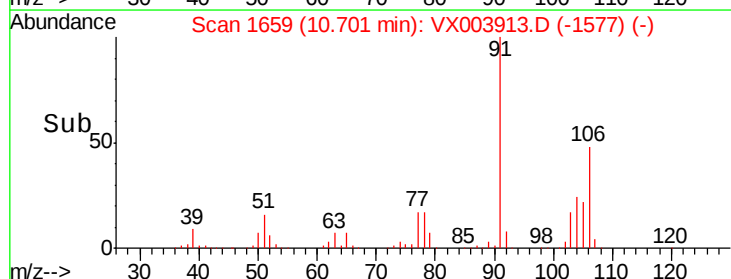
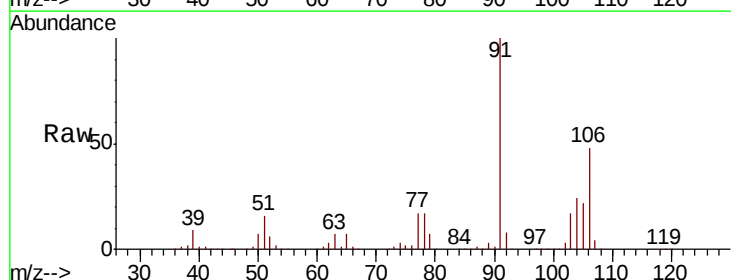
Manual Integrations
APPROVED

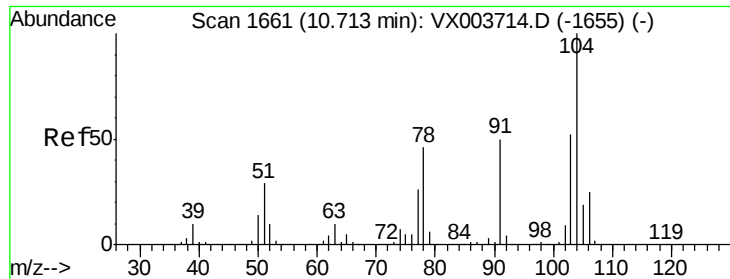
MMDadoda
8/8/2018 12:06:30 PM



#68
o-Xylene
Concen: 20.51 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion:106 Resp: 154494
Ion Ratio Lower Upper
106 100
91 209.0 109.1 327.3





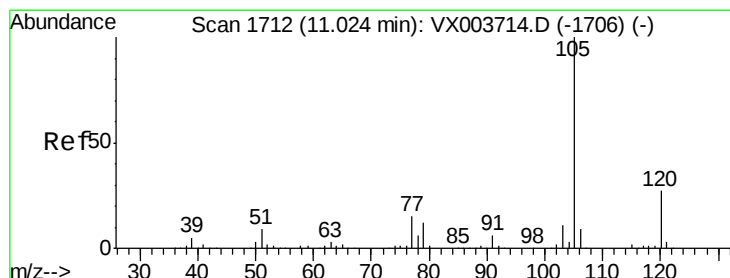
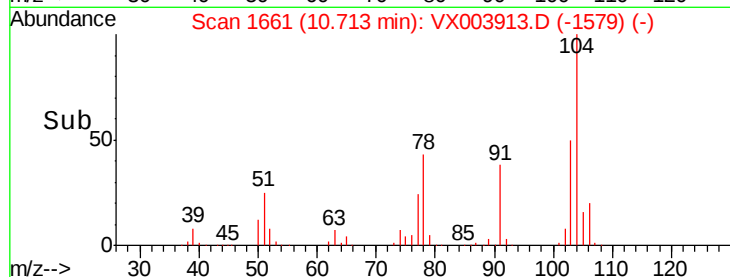
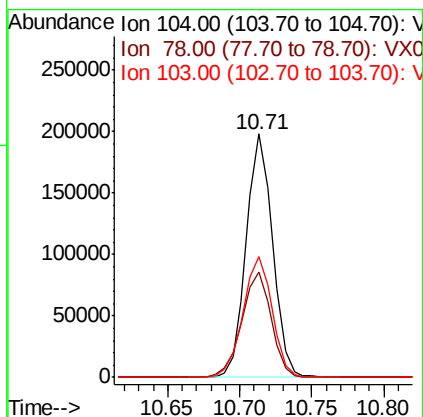
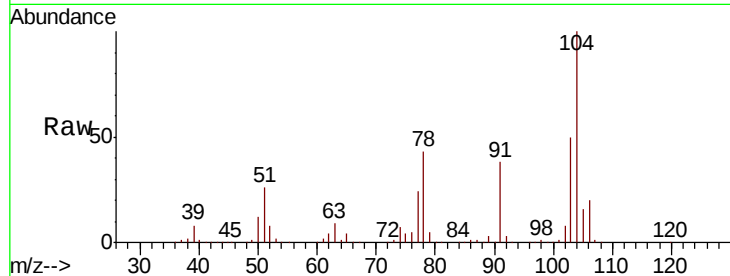
#69
Stvrene
Concen: 19.68 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	41.8	62.8
103	55.0	44.9	67.3

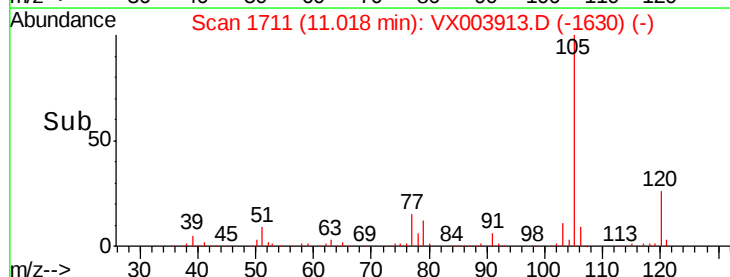
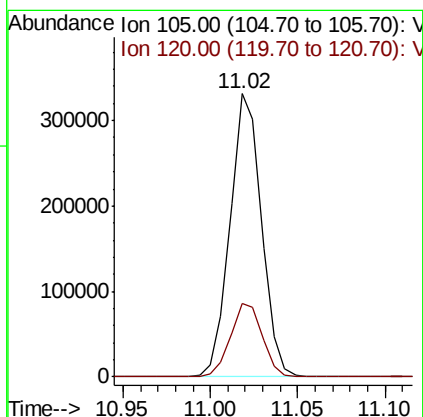
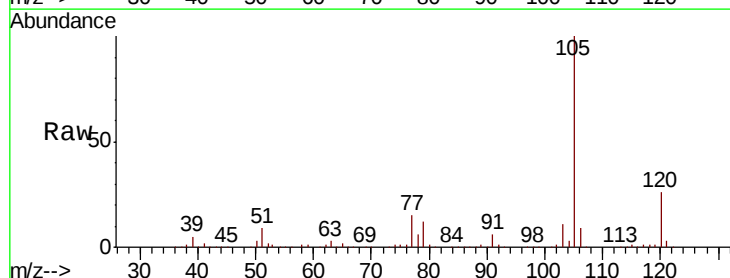
Manual Integrations
APPROVED

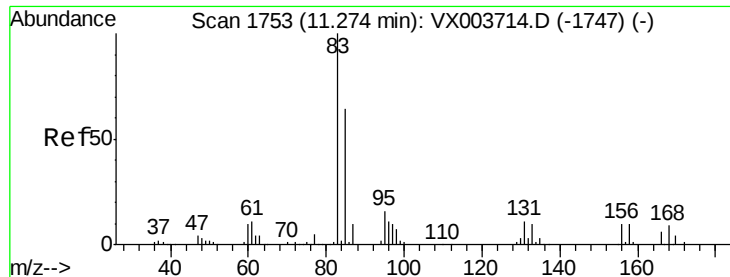
MMDadoda
8/8/2018 12:06:30 PM



#70
Isopropylbenzene
Concen: 19.98 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.0	35.2





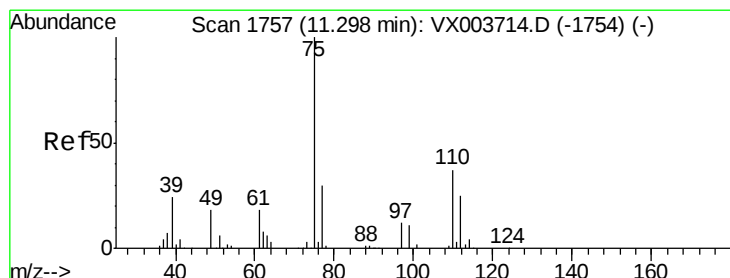
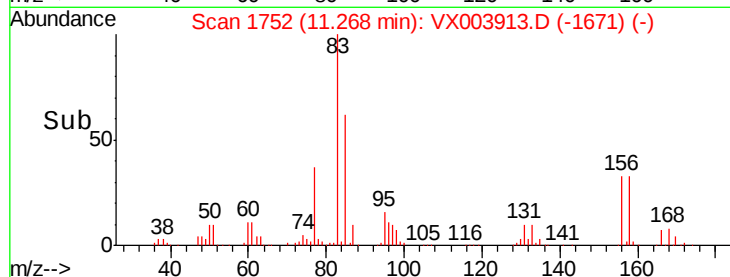
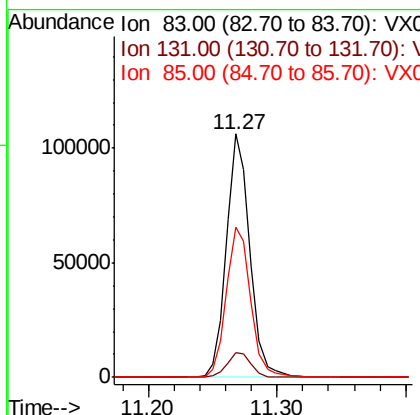
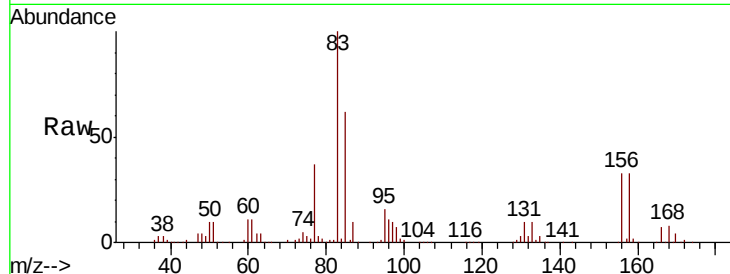
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.42 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.4	16.2	
85	64.1	32.4	97.2	

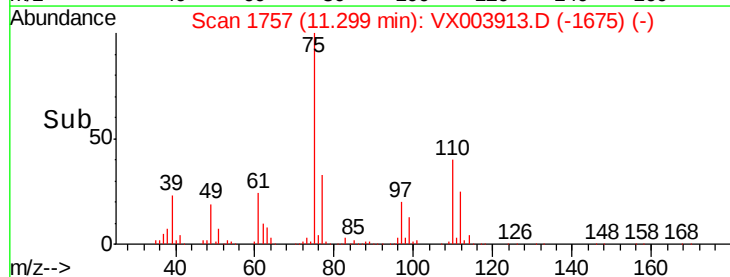
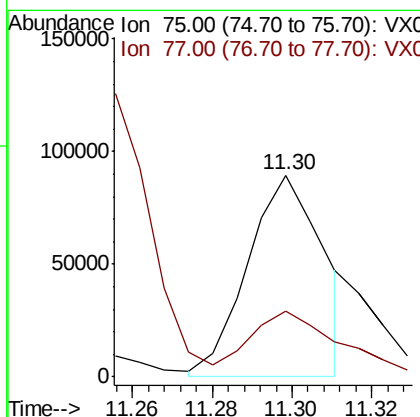
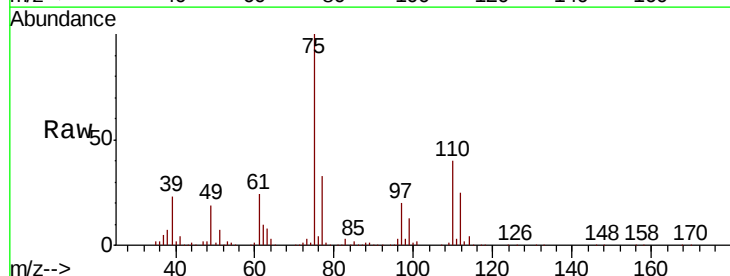
Manual Integrations
 APPROVED

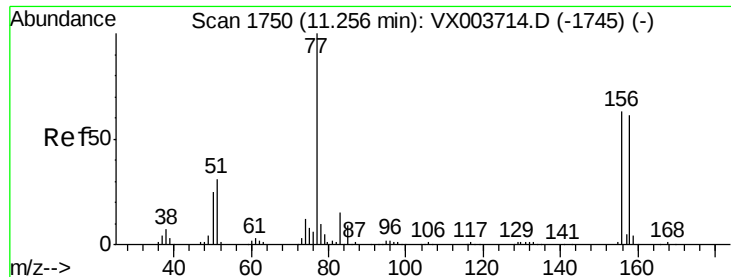
MMDadoda
 8/8/2018 12:06:30 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.10 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.5	0.0	71.8	





#73

Bromobenzene

Concen: 19.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 108038

Ion Ratio Lower Upper

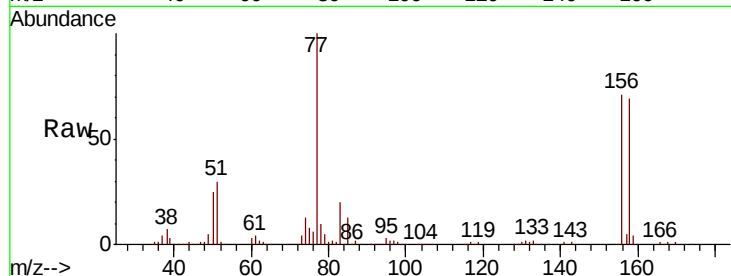
156 100

77 147.4 0.0 301.0

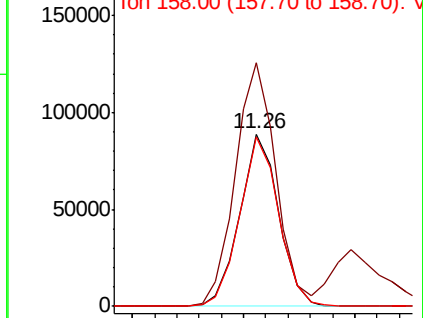
158 99.2 0.0 196.2

Manual Integrations
APPROVED

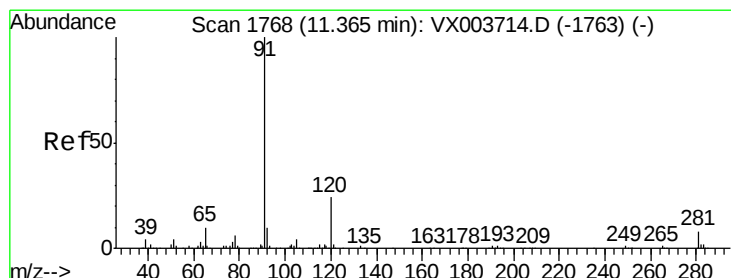
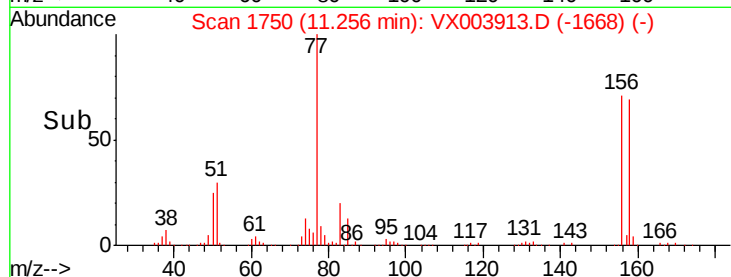
MMDadoda
8/8/2018 12:06:30 PM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



Time--> 11.20 11.25 11.30



#74

n-propylbenzene

Concen: 18.97 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003913.D

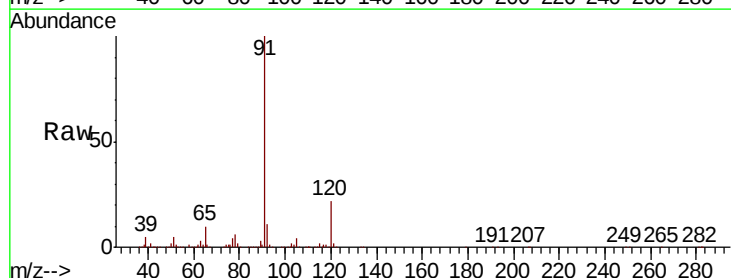
Acq: 08 Aug 2018 07:10

Tgt Ion: 91 Resp: 463391

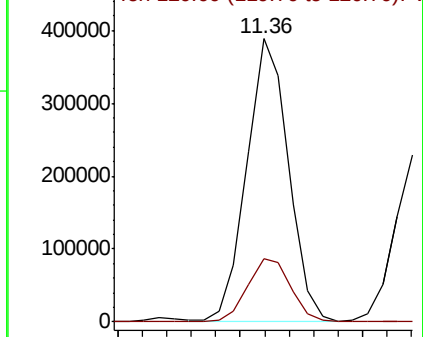
Ion Ratio Lower Upper

91 100

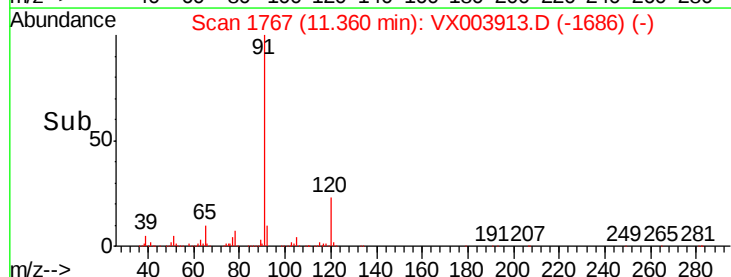
120 23.3 0.0 46.2

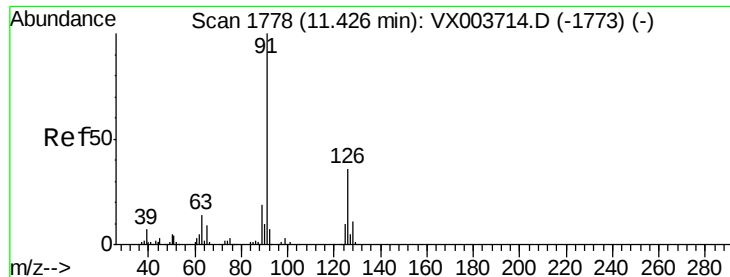


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40





#75

2-Chlorotoluene

Concen: 19.70 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 283627

Ion Ratio Lower Upper

91 100

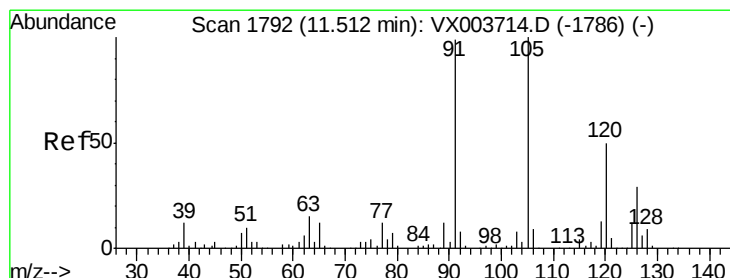
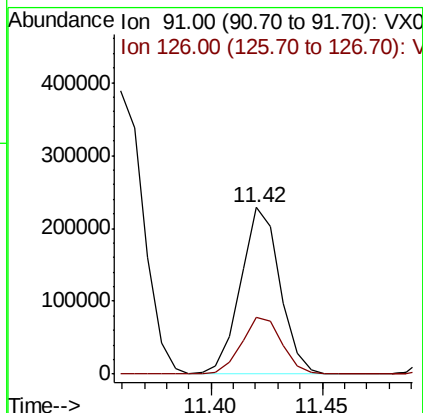
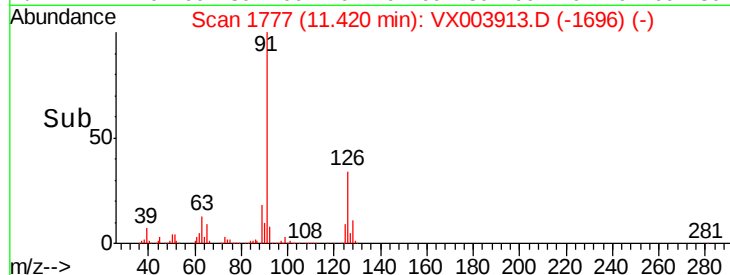
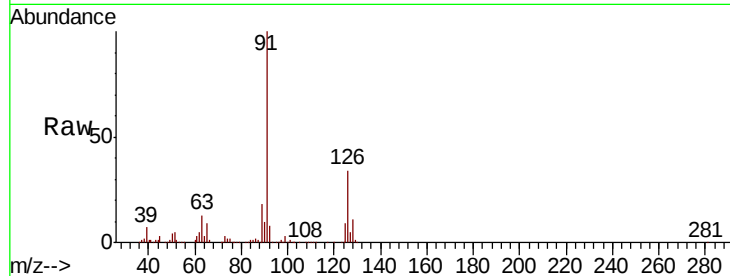
126 35.0 0.0 69.4

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:06:30 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.27 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003913.D

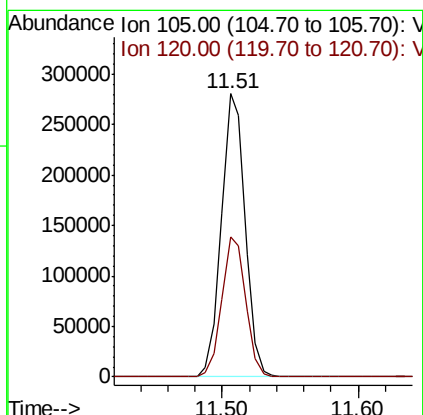
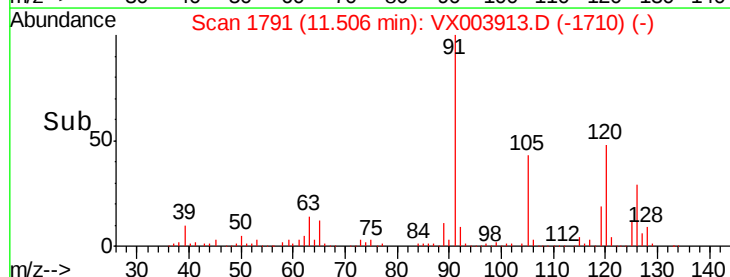
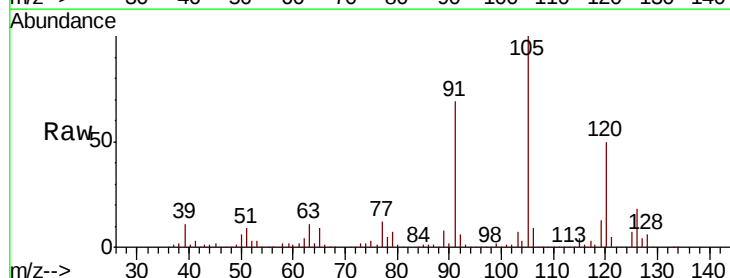
Acq: 08 Aug 2018 07:10

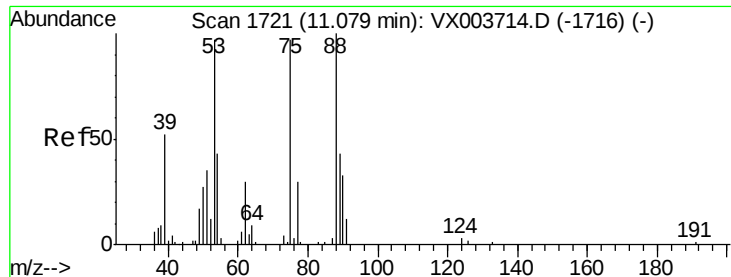
Tgt Ion: 105 Resp: 339099

Ion Ratio Lower Upper

105 100

120 49.9 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 13.60 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 28535

Ion Ratio Lower Upper

75 100

53 100.6 48.3 144.9

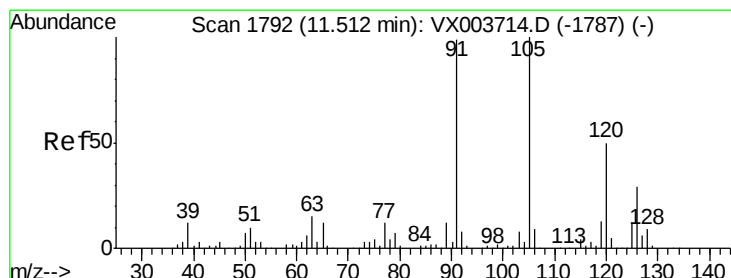
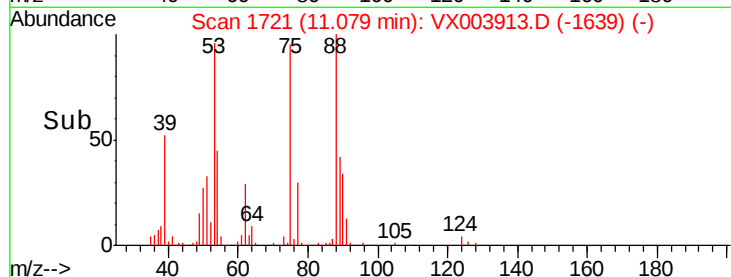
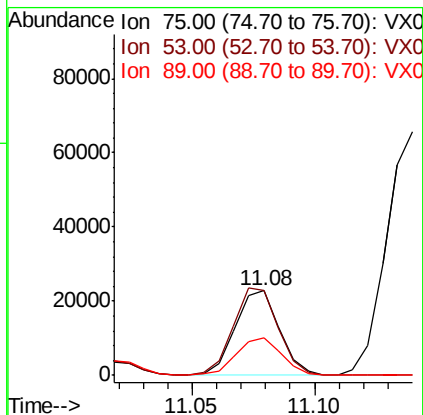
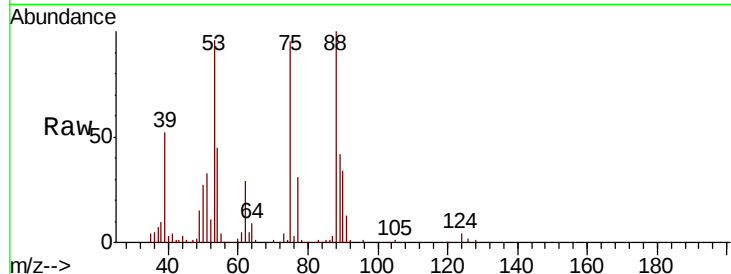
89 44.5 21.8 65.4

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:06:30 PM



#78

4-Chlorotoluene

Concen: 19.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003913.D

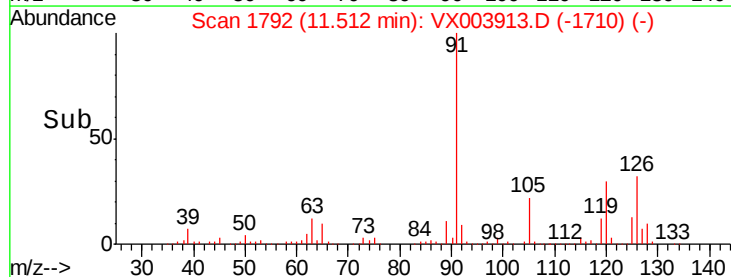
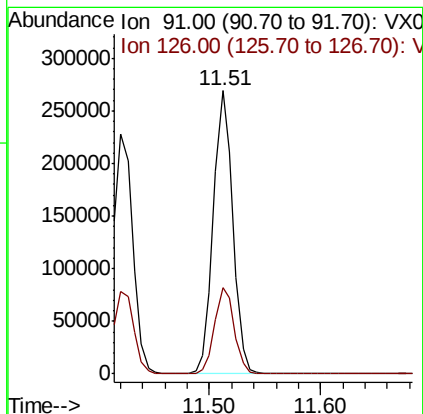
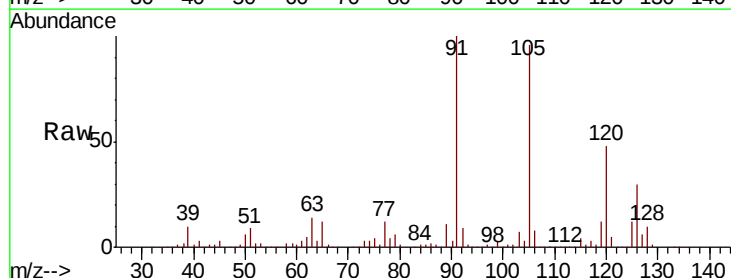
Acq: 08 Aug 2018 07:10

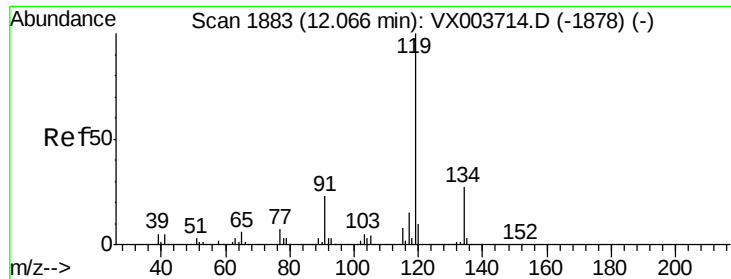
Tgt Ion: 91 Resp: 326588

Ion Ratio Lower Upper

91 100

126 30.6 0.0 61.0





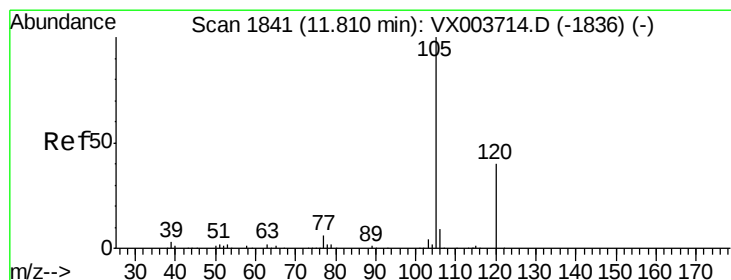
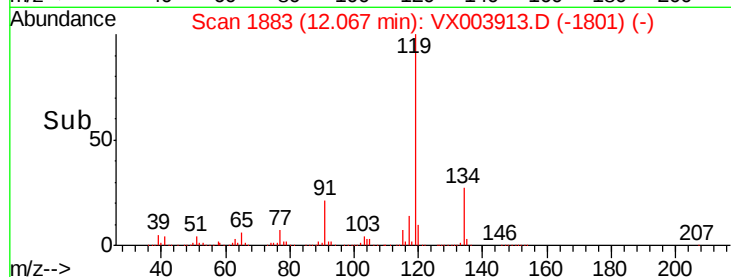
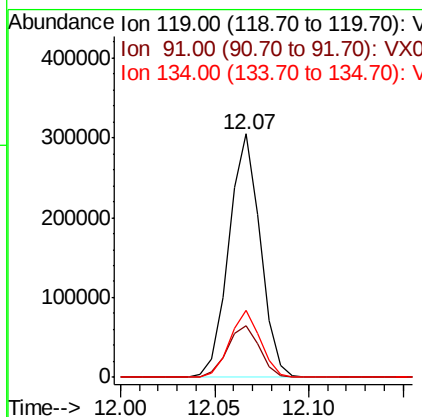
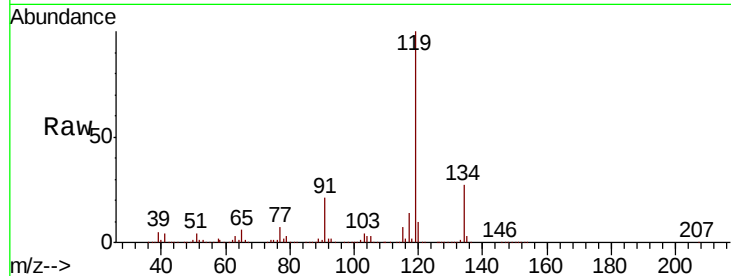
#79
tert-butylbenzene
Concen: 19.42 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	351562		
91	21.8	0.0	48.0	
134	26.8	0.0	52.6	

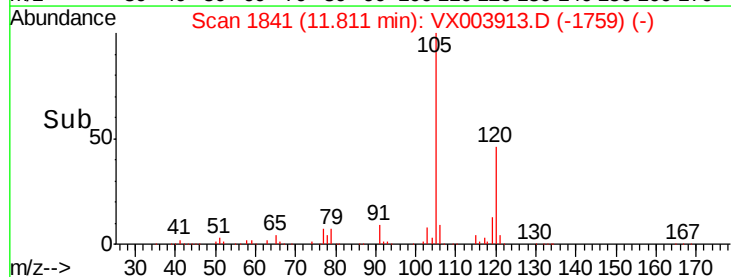
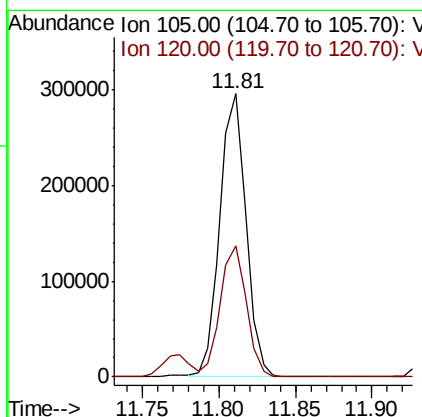
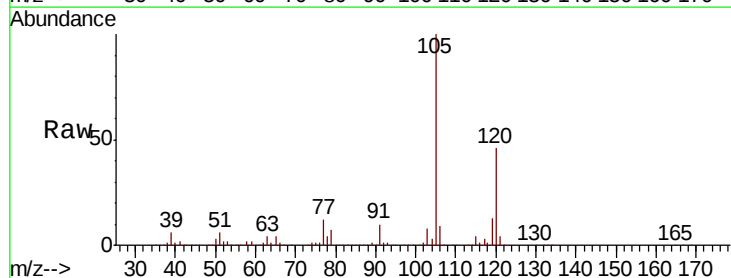
Manual Integrations
APPROVED

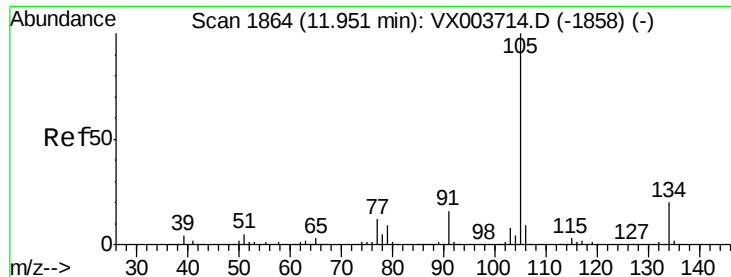
MMDadoda
8/8/2018 12:06:30 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.58 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	352555		
120	46.0	0.0	89.2	





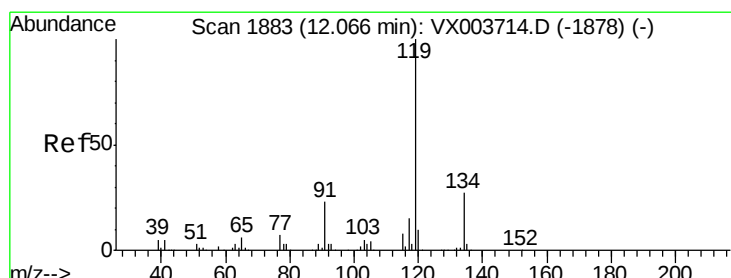
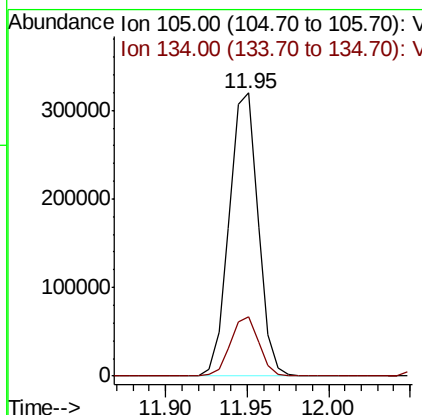
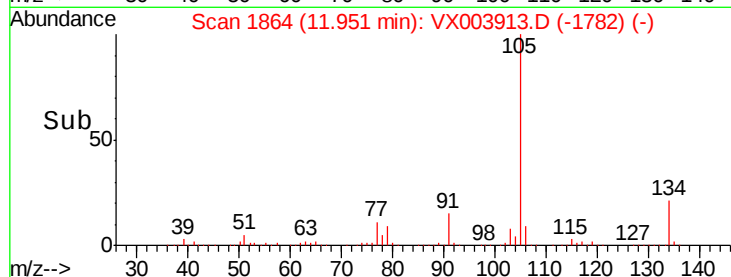
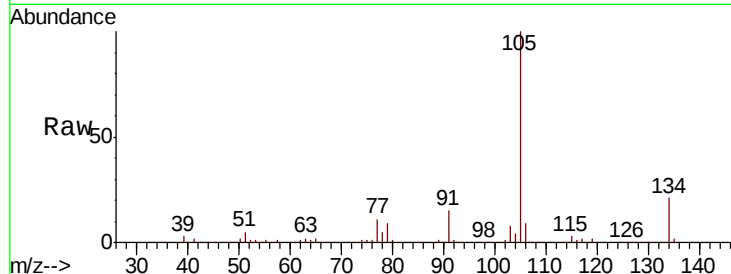
#81
 sec-Butylbenzene
 Concen: 19.25 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	41.6

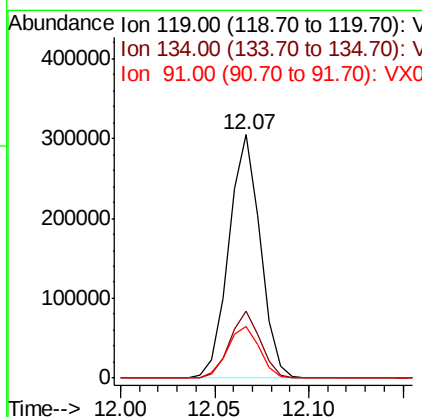
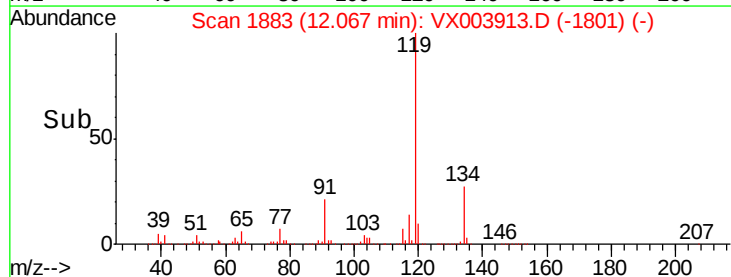
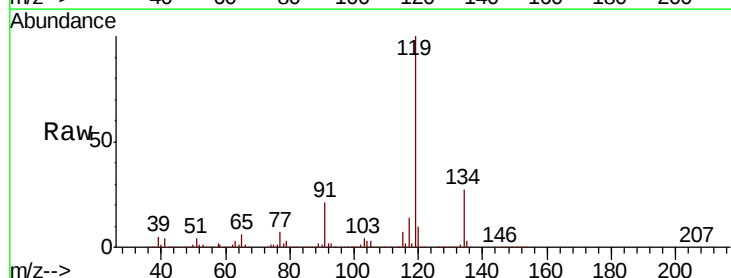
Manual Integrations
 APPROVED

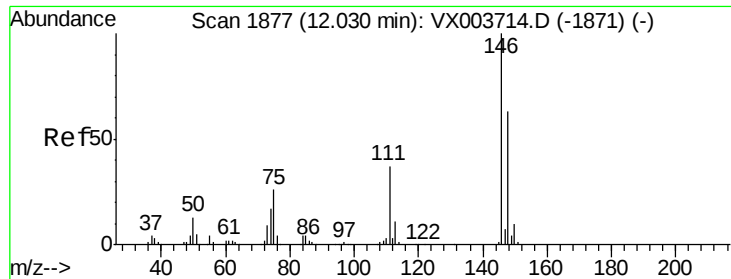
MMDadoda
 8/8/2018 12:06:30 PM



#82
 p-Isopropyltoluene
 Concen: 19.42 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.6
91	21.8	0.0	48.0





#83

1,3-Dichlorobenzene

Concen: 19.54 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Instrument :

MSVOA_X

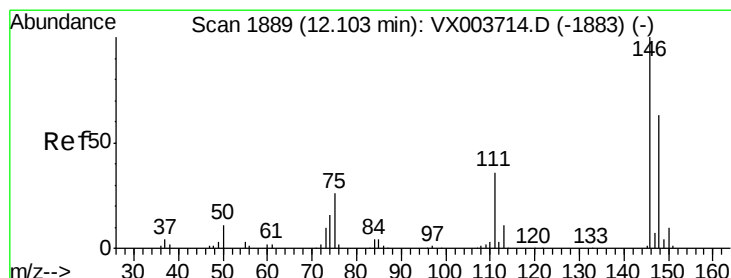
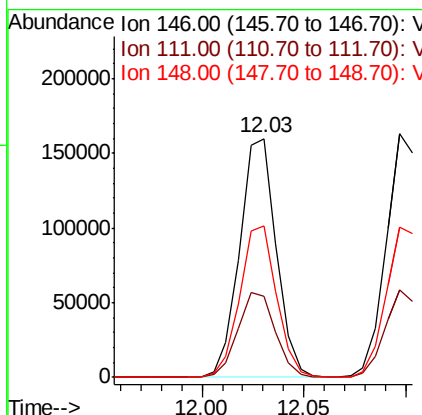
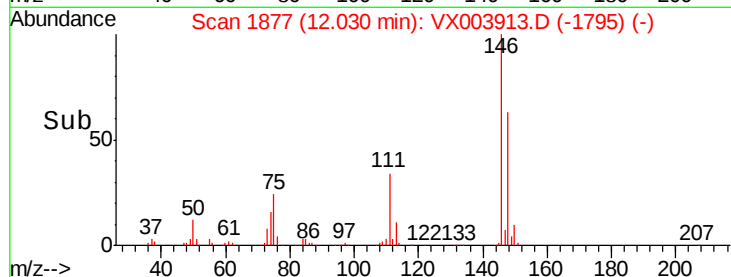
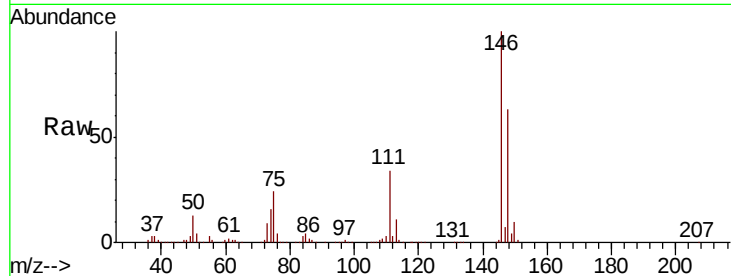
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	199397
Ion Ratio	Lower	Upper	
146	100		
111	36.3	19.1	57.5
148	63.6	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



#84

1,4-Dichlorobenzene

Concen: 19.62 ug/l

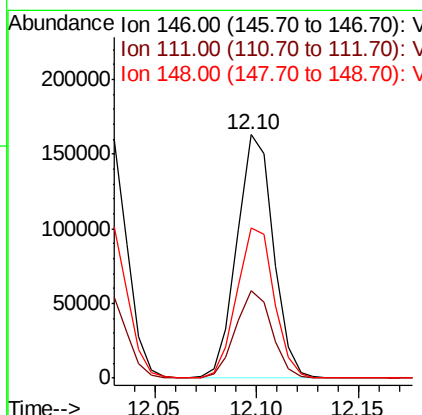
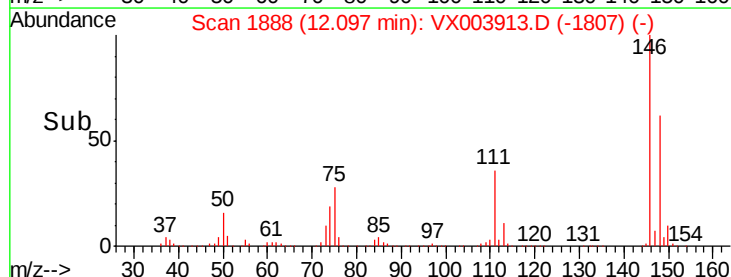
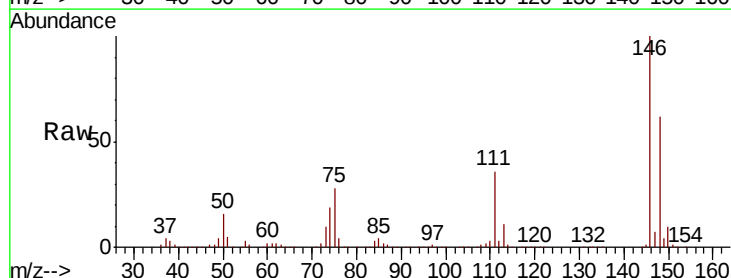
RT: 12.10 min Scan# 1888

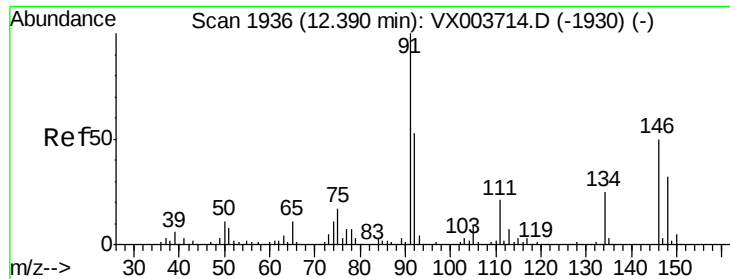
Delta R.T. -0.01 min

Lab File: VX003913.D

Acq: 08 Aug 2018 07:10

Tgt Ion:	146	Resp:	201584
Ion Ratio	Lower	Upper	
146	100		
111	35.7	18.5	55.5
148	63.3	32.0	96.0





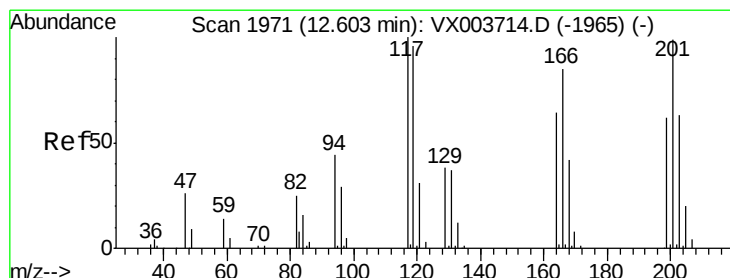
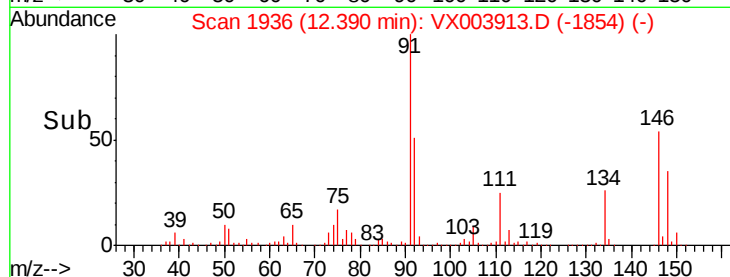
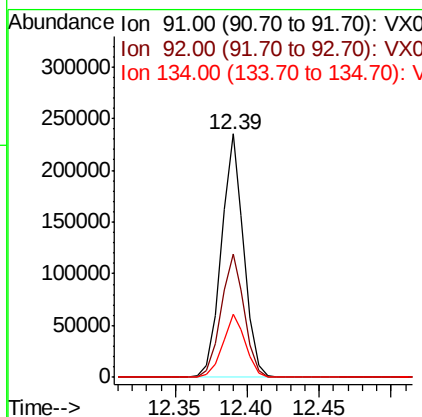
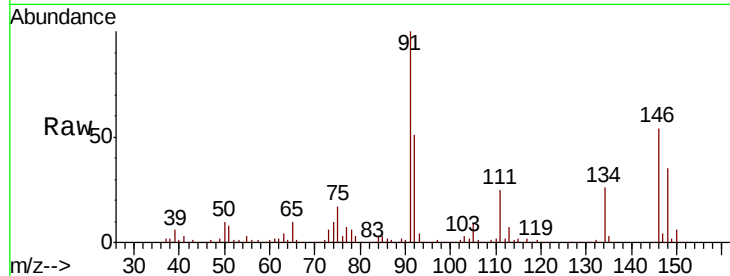
#85
n-Butylbenzene
Concen: 15.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	255078		
92	52.5		0.0	105.2
134	26.6		0.0	53.2

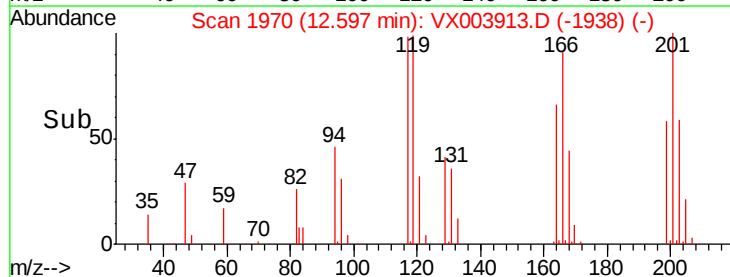
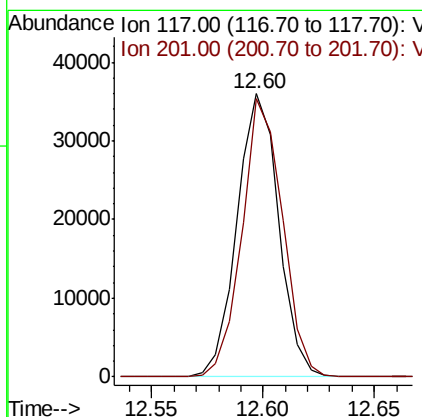
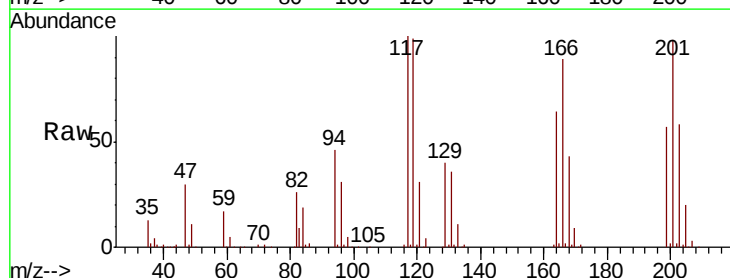
Manual Integrations
APPROVED

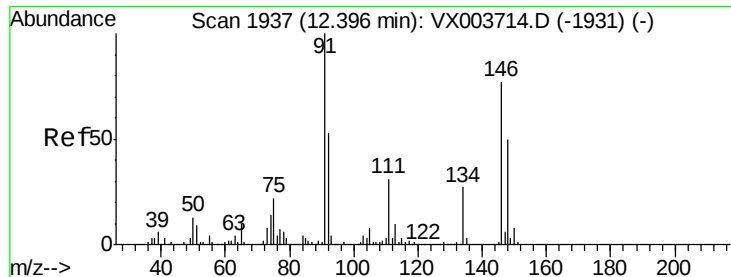
MMDadoda
8/8/2018 12:06:30 PM



#86
Hexachloroethane
Concen: 16.09 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46921		
201	95.4		47.6	142.8





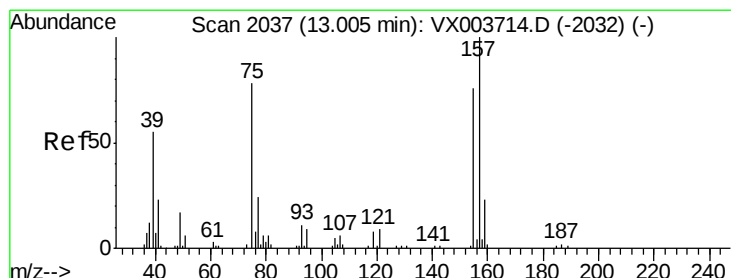
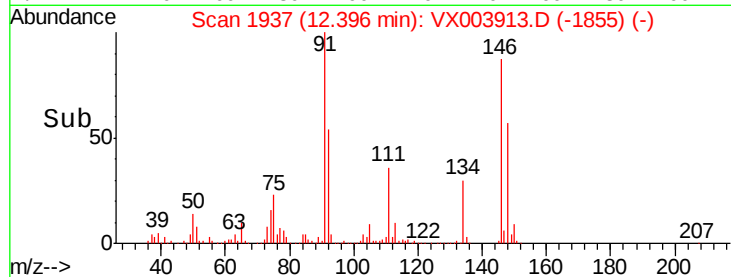
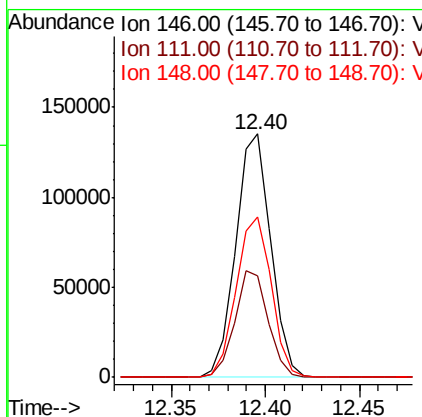
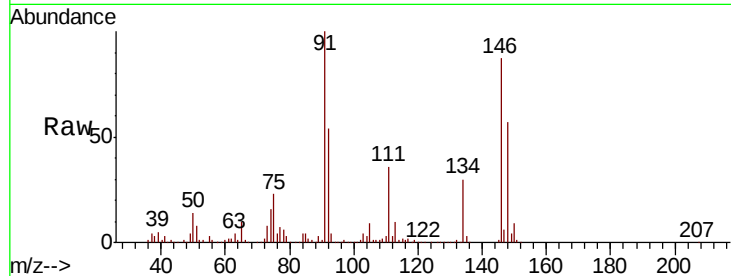
#87
 1,2-Dichlorobenzene
 Concen: 17.01 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	65.8	32.8	98.3

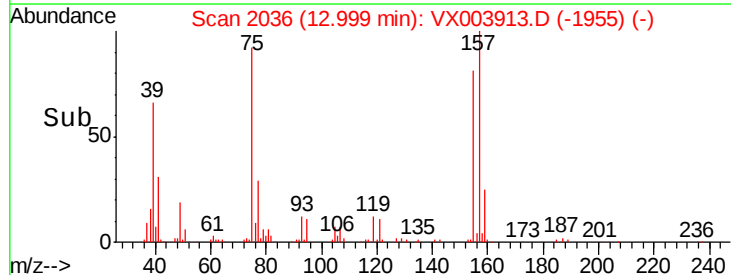
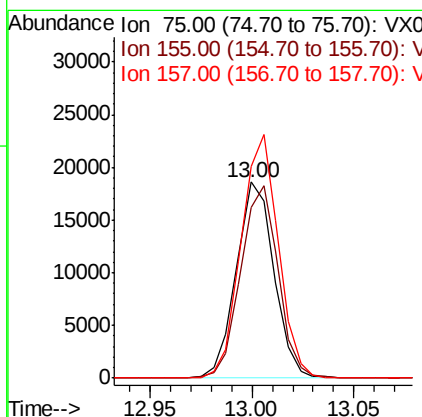
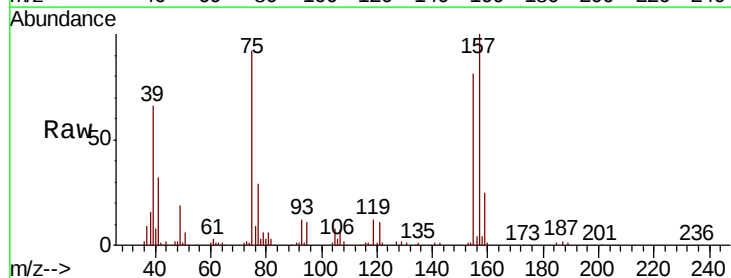
Manual Integrations
 APPROVED

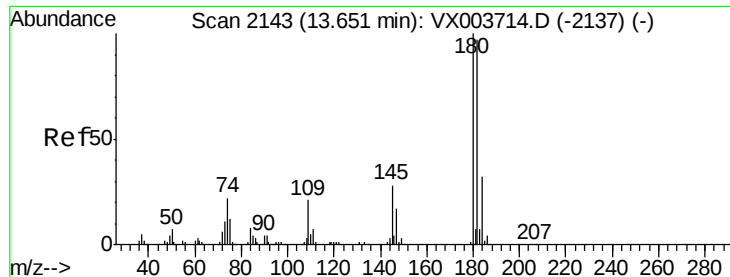
MMDadoda
 8/8/2018 12:06:30 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.29 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	73.1	109.7
157	122.4	93.1	139.7





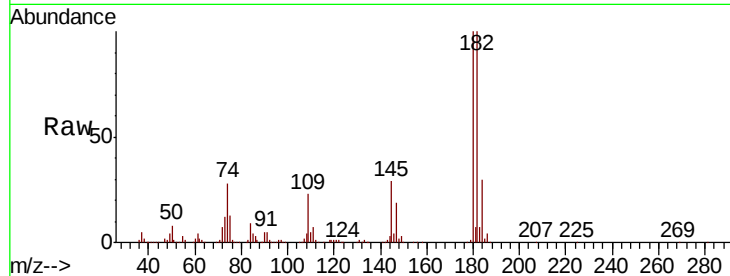
#89
 1,2,4-Trichlorobenzene
 Concen: 17.52 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126014		
182	97.2	76.4	114.6	
145	28.1	22.9	34.3	

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:30 PM

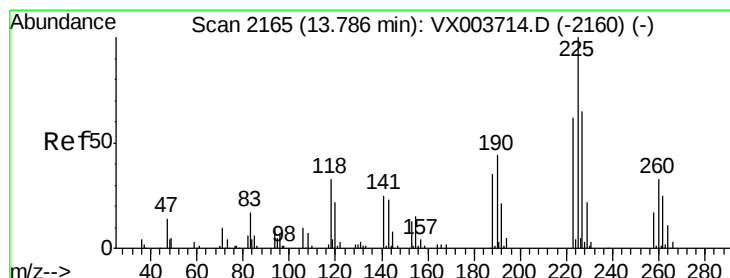
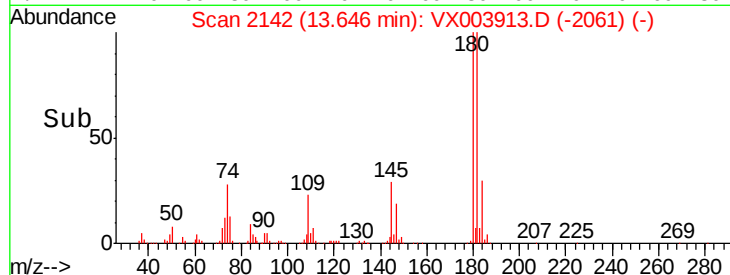
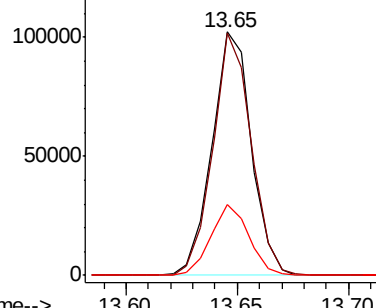


Abundance

Ion 180.00 (179.70 to 180.70): V

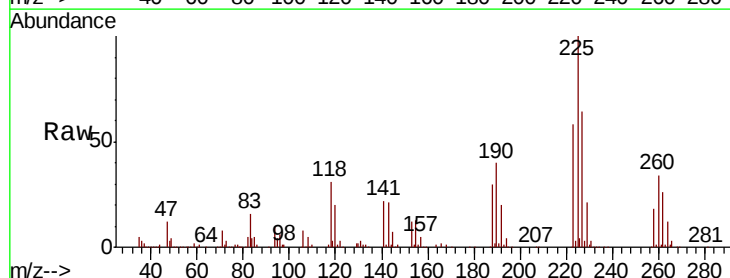
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003913.D
 Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60936		
223	60.6	0.0	122.4	
227	62.2	0.0	128.0	

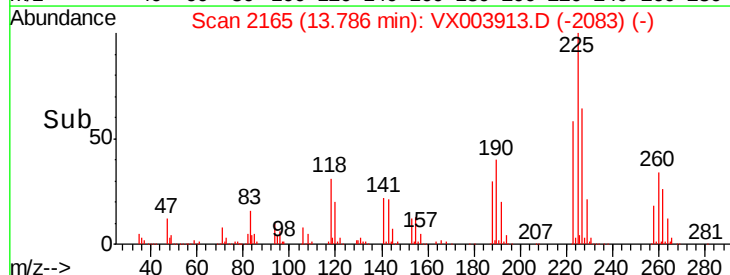
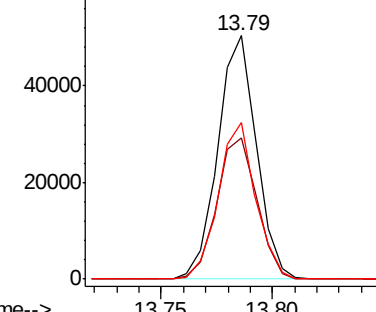


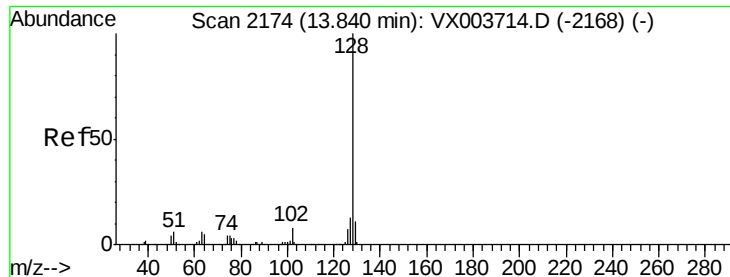
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





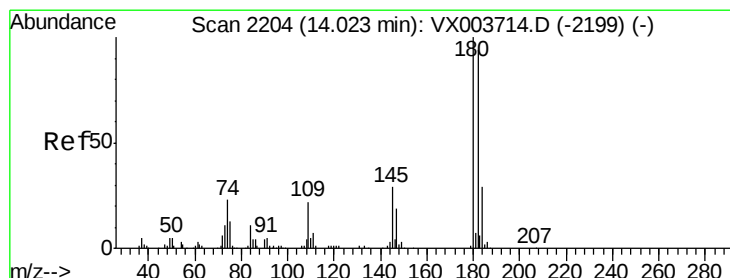
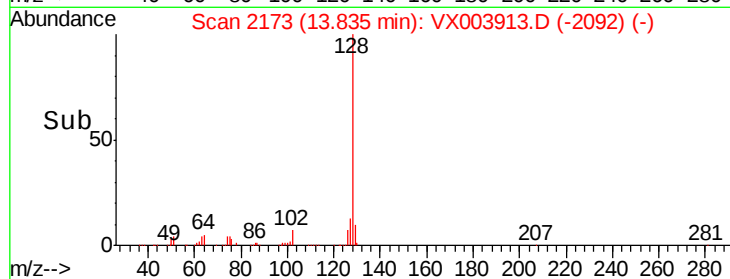
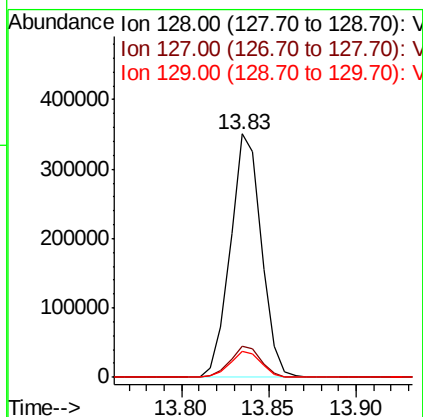
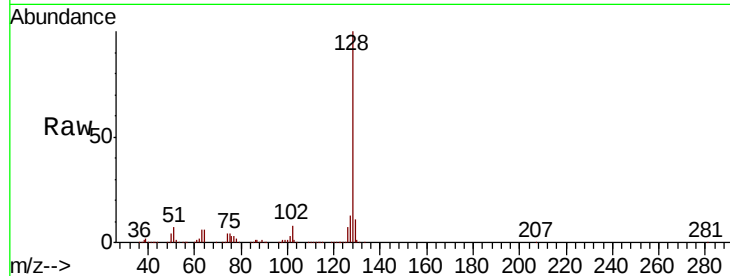
#91
Naphthalene
Concen: 19.62 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.58 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003913.D
Acq: 08 Aug 2018 07:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	191.0
145	29.7	0.0	60.6

