

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004723.D
 Acq On : 26 Sep 2018 12:25
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM

Quant Time: Sep 26 13:30:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	91776	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
35) Dibromofluoromethane	5.50	113	71929	17.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.30%	
50) Toluene-d8	8.71	98	260407	20.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.68%	
62) 4-Bromofluorobenzene	11.14	95	82775	18.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	90359	17.316	ug/l	98
3) Chloromethane	1.32	50	106032	18.437	ug/l	98
4) Vinyl Chloride	1.40	62	97112	17.974	ug/l	95
5) Bromomethane	1.64	94	58668	18.897	ug/l	99
6) Chloroethane	1.72	64	61997	20.979	ug/l	100
7) Trichlorofluoromethane	1.93	101	129418	18.713	ug/l	98
8) Diethyl Ether	2.19	74	46068	17.496	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.38	101	66023	19.153	ug/l	98
10) Methyl Iodide	2.51	142	93298	16.710	ug/l	97
11) Tert butyl alcohol	3.07	59	124766	94.860	ug/l	100
12) 1,1-Dichloroethene	2.37	96	69424	20.357	ug/l	98
13) Acrolein	2.29	56	93028	102.942	ug/l	95
14) Allyl chloride	2.73	41	138941	17.495	ug/l	99
15) Acrylonitrile	3.15	53	257793	86.069	ug/l	90
16) Acetone	2.45	43	266591	94.362	ug/l	94
17) Carbon Disulfide	2.57	76	204086	18.751	ug/l	99
18) Methyl Acetate	2.78	43	128366	18.660	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	242286	20.203	ug/l	99
20) Methylene Chloride	2.85	84	74114	16.549	ug/l	# 84
21) trans-1,2-Dichloroethene	3.17	96	67838	16.910	ug/l	98
22) Diisopropyl ether	3.87	45	239105	17.859	ug/l	95
23) Vinyl Acetate	3.82	43	1140815	89.811	ug/l	96
24) 1,1-Dichloroethane	3.70	63	135571	16.805	ug/l	99
25) 2-Butanone	4.70	43	395961	96.404	ug/l	96
26) 2,2-Dichloropropane	4.58	77	102170	19.063	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	82940	18.537	ug/l	98
28) Bromochloromethane	5.01	49	71615	20.228	ug/l	94
29) Tetrahydrofuran	5.16	42	232257	87.544	ug/l	98
30) Chloroform	5.21	83	141710	20.199	ug/l	98
31) Cyclohexane	5.57	56	110705	16.749	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	116548	19.439	ug/l	96
36) 1,1-Dichloropropene	5.80	75	99857	18.766	ug/l	96
37) Ethyl Acetate	4.86	43	129498	17.807	ug/l	98
38) Carbon Tetrachloride	5.78	117	104408	18.605	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004723.D
 Acq On : 26 Sep 2018 12:25
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM

Quant Time: Sep 26 13:30:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93807	17.196	ug/l	91
40) Benzene	6.14	78	334983	20.438	ug/l	94
41) Methacrylonitrile	5.06	41	75649	18.062	ug/l	96
42) 1,2-Dichloroethane	6.20	62	107129	18.214	ug/l	96
43) Isopropyl Acetate	6.46	43	185652	16.576	ug/l	97
44) Trichloroethene	7.21	130	71507	18.729	ug/l	81
45) 1,2-Dichloropropane	7.52	63	73978	18.866	ug/l	98
46) Dibromomethane	7.66	93	47572	19.462	ug/l	98
47) Bromodichloromethane	7.90	83	90903	19.420	ug/l	85
48) Methyl methacrylate	7.77	41	84297	17.445	ug/l	94
49) 1,4-Dioxane	7.76	88	40419	333.402	ug/l	89
51) 4-Methyl-2-Pentanone	8.65	43	603248	91.047	ug/l	96
52) Toluene	8.79	92	192130	20.391	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	109724	18.616	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	105476	18.280	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	77717	18.900	ug/l	96
56) Ethyl methacrylate	9.18	69	116219	18.569	ug/l	98
57) 1,3-Dichloropropane	9.37	76	132215	18.799	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	288146	86.131	ug/l	96
59) 2-Hexanone	9.50	43	520812	88.046	ug/l	97
60) Dibromochloromethane	9.59	129	75167	16.731	ug/l	100
61) 1,2-Dibromoethane	9.67	107	83616	17.909	ug/l	97
64) Tetrachloroethene	9.34	164	81829	20.794	ug/l	90
65) Chlorobenzene	10.14	112	205041	20.761	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	67537	19.578	ug/l	96
67) Ethyl Benzene	10.26	91	318648	20.175	ug/l	99
68) m/p-Xylenes	10.36	106	266005	41.170	ug/l	99
69) o-Xylene	10.70	106	110850	18.962	ug/l	99
70) Styrene	10.71	104	194547	19.448	ug/l	98
71) Bromoform	10.86	173	53356	17.218	ug/l #	99
73) Isopropylbenzene	11.02	105	294795	19.595	ug/l	97
74) N-amyl acetate	10.90	43	136496	18.575	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	110491	20.416	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	97726m	19.706	ug/l	
77) Bromobenzene	11.26	156	84132	20.604	ug/l	93
78) n-propylbenzene	11.36	91	332479	19.112	ug/l	99
79) 2-Chlorotoluene	11.42	91	206593	19.785	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	247941	19.136	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	35435	21.508	ug/l	91
82) 4-Chlorotoluene	11.51	91	241612	19.454	ug/l	100
83) tert-Butylbenzene	11.77	119	233254	18.921	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	258189	19.368	ug/l	98
85) sec-Butylbenzene	11.94	105	286415	19.090	ug/l	99
86) p-Isopropyltoluene	12.07	119	260672	19.117	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	146595	19.369	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	150118	19.541	ug/l	98
89) n-Butylbenzene	12.39	91	224373	18.292	ug/l	97
90) Hexachloroethane	12.60	117	39042	19.123	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	150144	19.421	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23862	19.582	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004723.D
Acq On : 26 Sep 2018 12:25
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

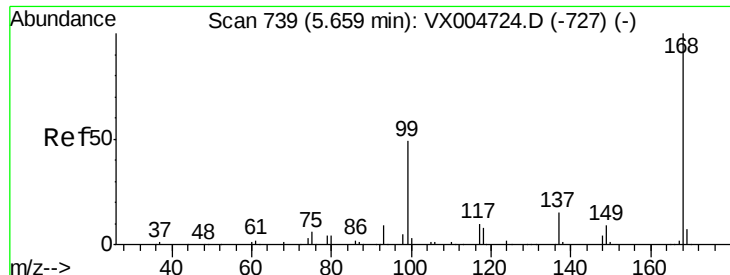
Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM

Quant Time: Sep 26 13:30:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 13:18:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106759	18.790	ug/l	98
94) Hexachlorobutadiene	13.79	225	53273	19.537	ug/l	96
95) Naphthalene	13.83	128	327908	17.993	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	110031	18.794	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 325159

Ion Ratio Lower Upper

168 100

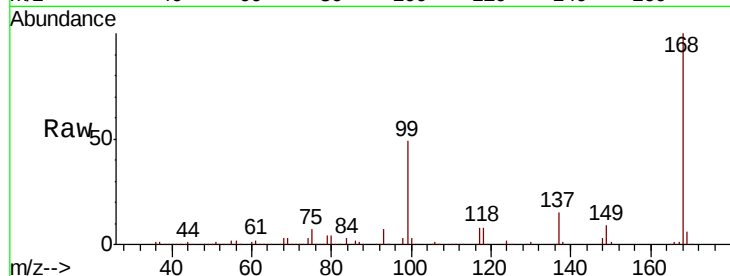
99 48.7 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

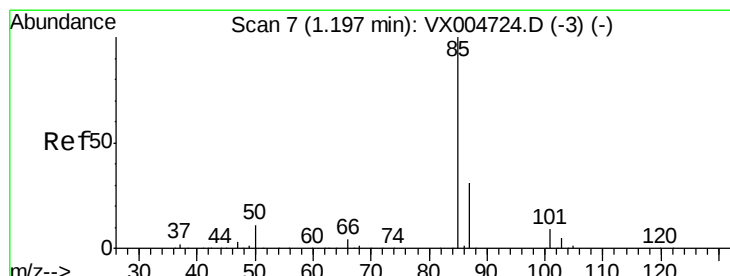
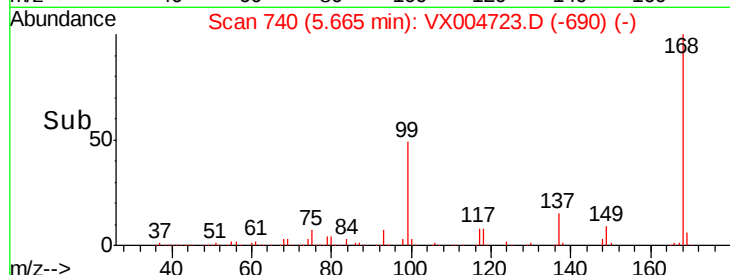
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.316 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004723.D

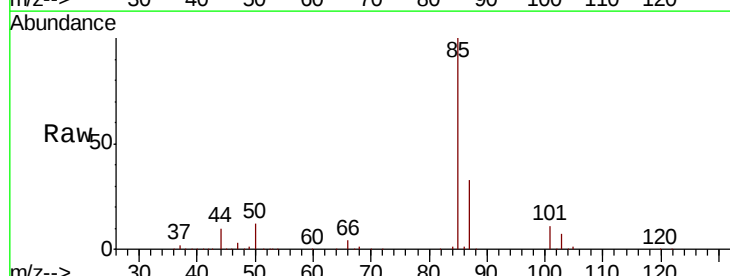
Acq: 26 Sep 2018 12:25

Tgt Ion: 85 Resp: 90359

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

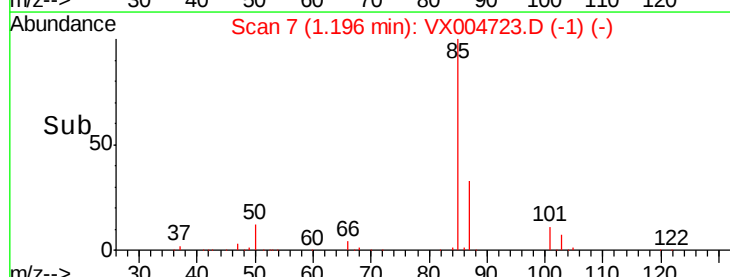
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.437 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 106032

Ion Ratio Lower Upper

50 100

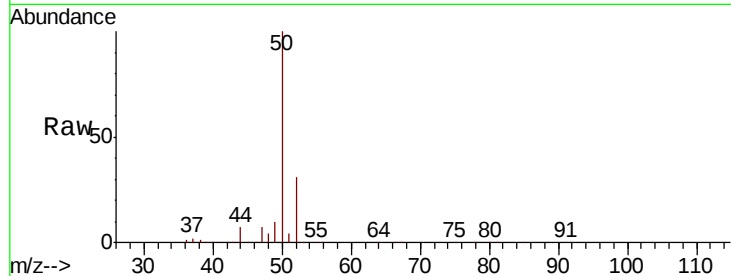
52 31.5 26.2 39.2

Manual Integrations

APPROVED

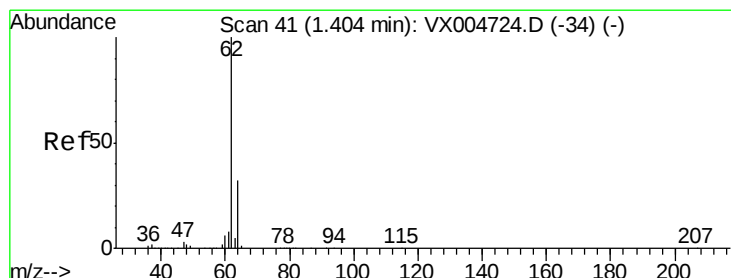
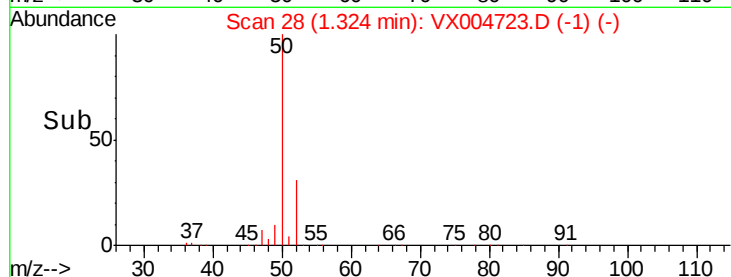
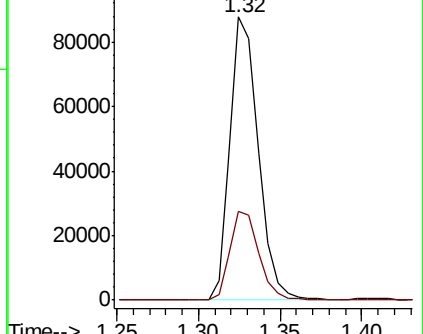
MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.974 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004723.D

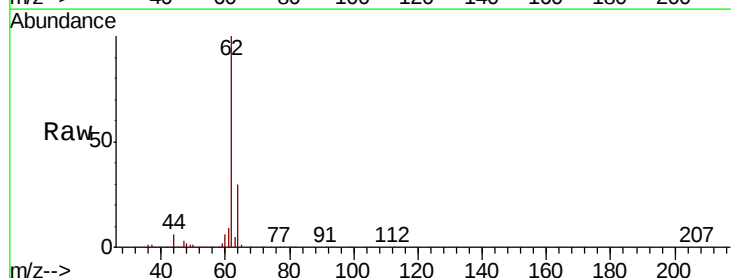
Acq: 26 Sep 2018 12:25

Tgt Ion: 62 Resp: 97112

Ion Ratio Lower Upper

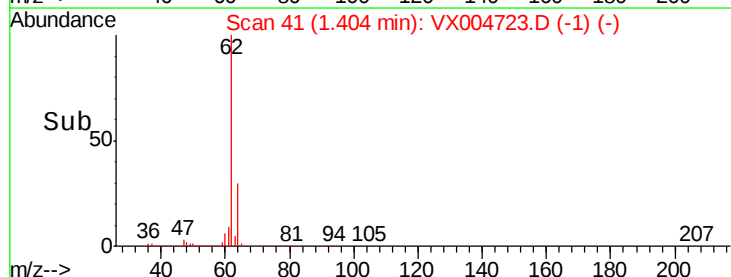
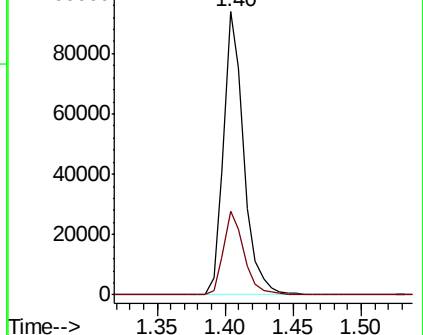
62 100

64 29.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.897 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 58668

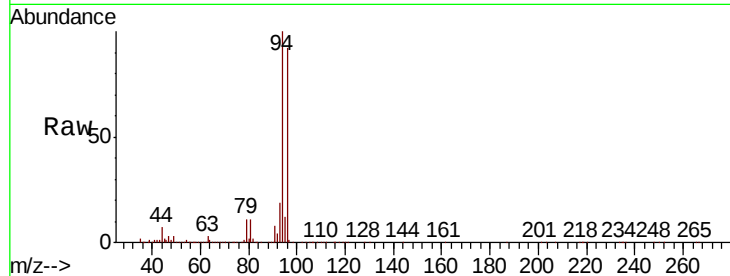
Ion Ratio Lower Upper

94 100

96 92.4 74.5 111.7

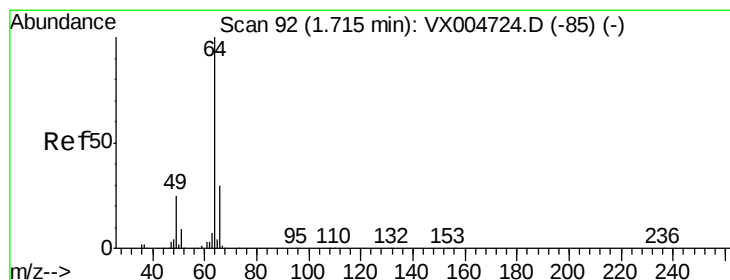
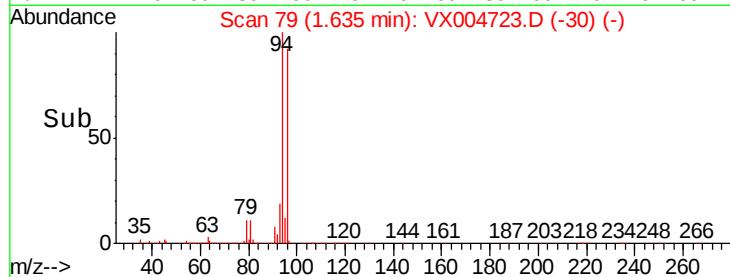
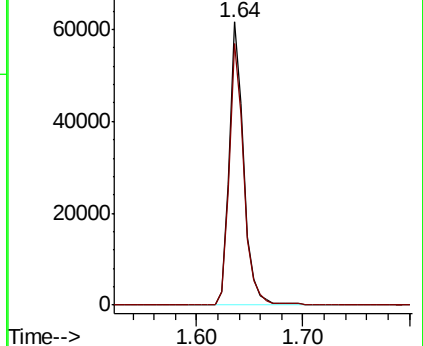
Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.979 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004723.D

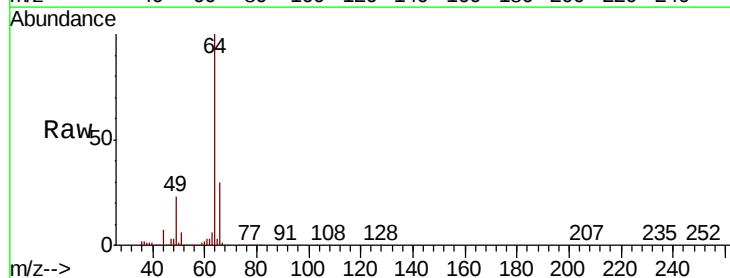
Acq: 26 Sep 2018 12:25

Tgt Ion: 64 Resp: 61997

Ion Ratio Lower Upper

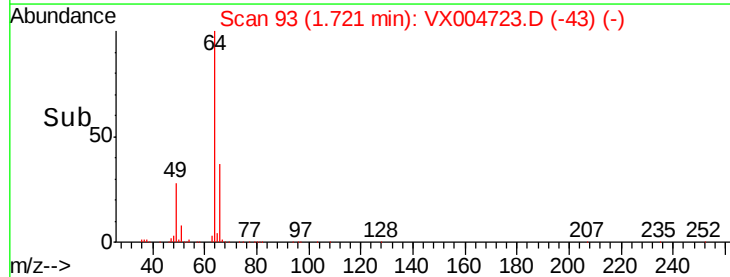
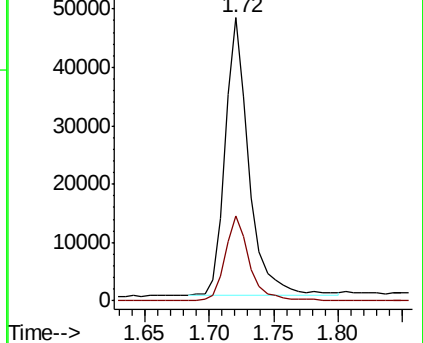
64 100

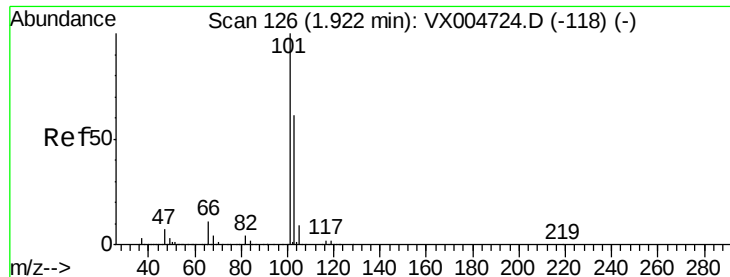
66 30.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

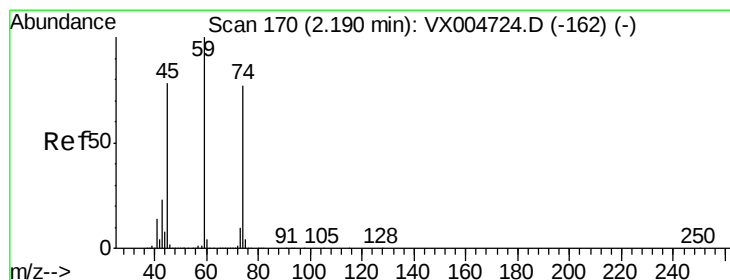
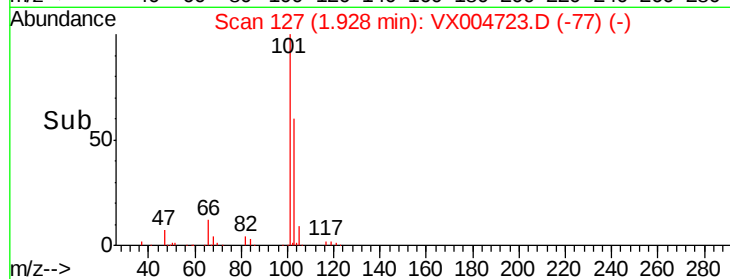
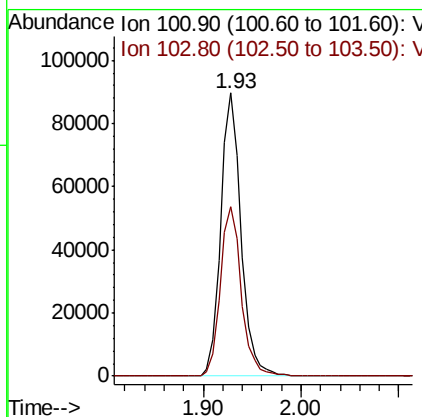
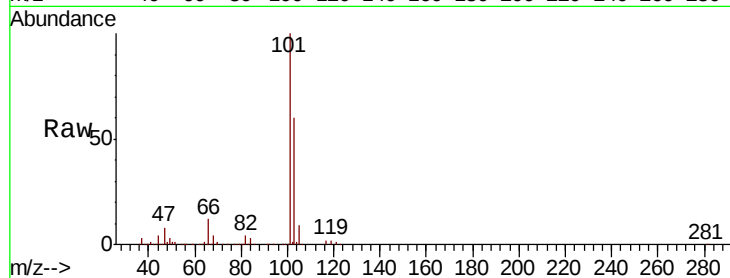
Trichlorofluoromethane
Concen: 18.713 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	48.9	73.3

Manual Integrations
APPROVED

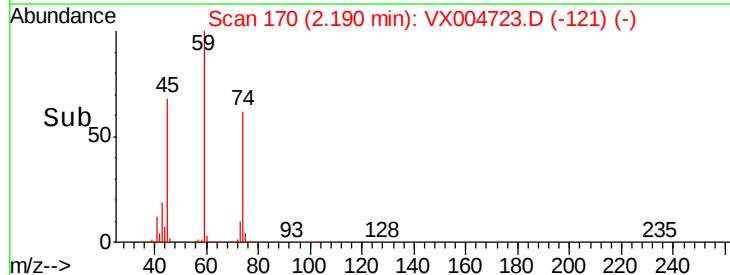
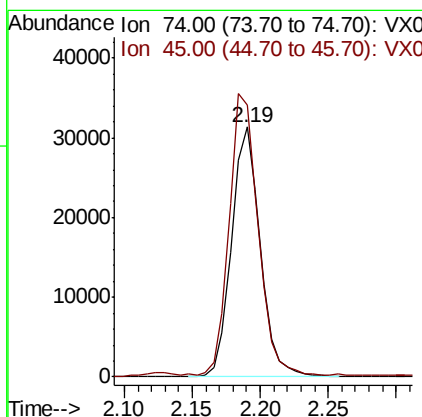
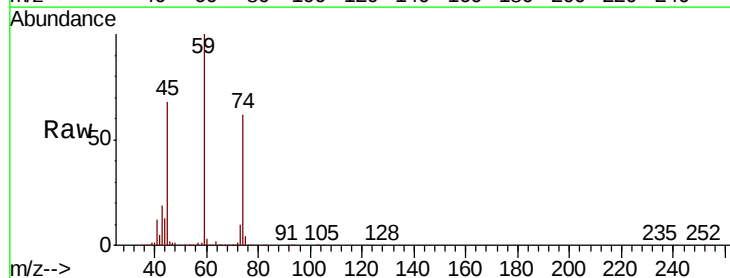
MMDadoda
10/1/2018 1:30:58 PM

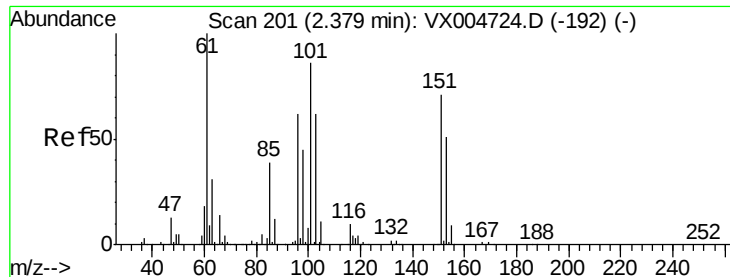


#8

Diethyl Ether
Concen: 17.496 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.1	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.153 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

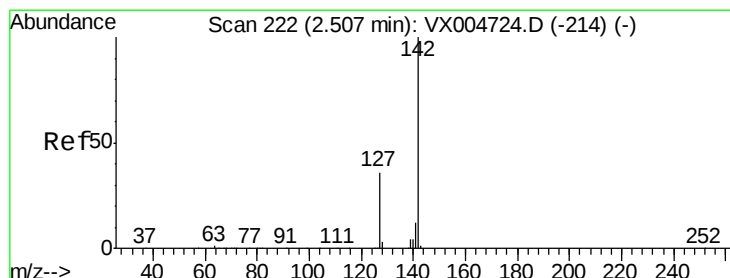
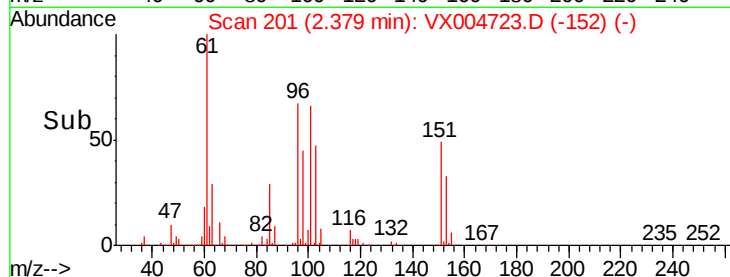
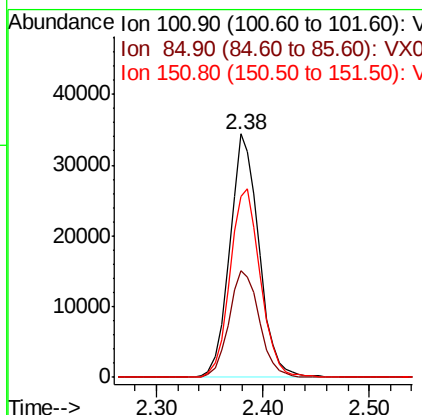
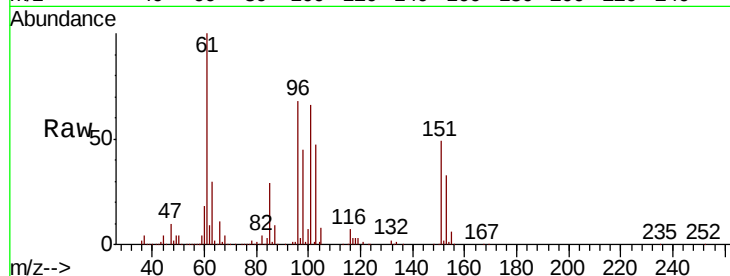
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	66023		
85	45.5	34.2	51.4	
151	80.6	65.0	97.6	

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#10

Methyl Iodide

Concen: 16.710 ug/l

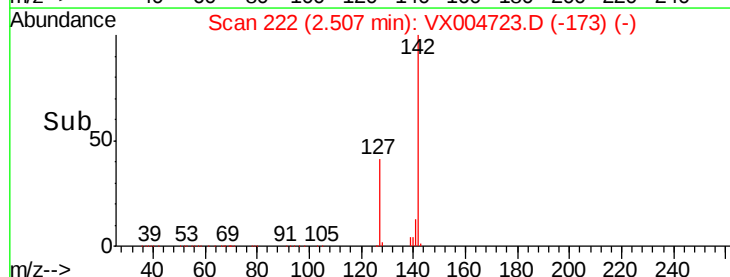
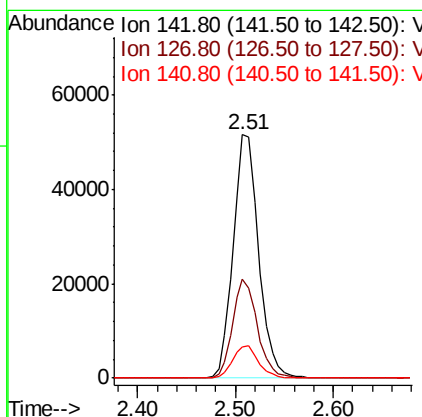
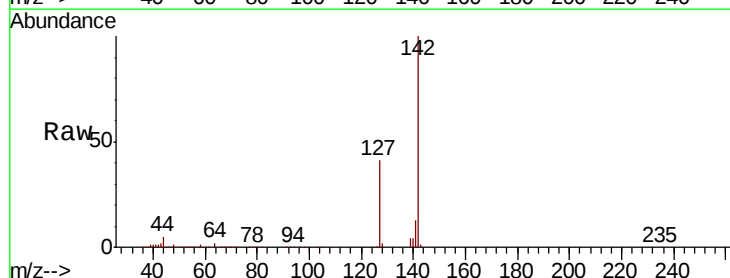
RT: 2.51 min Scan# 222

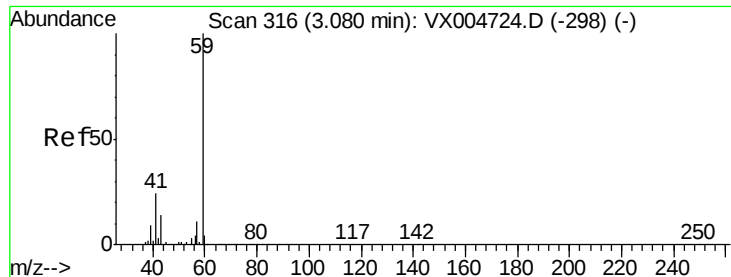
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	93298		
127	39.7	33.8	50.6	
141	13.5	11.4	17.0	





#11

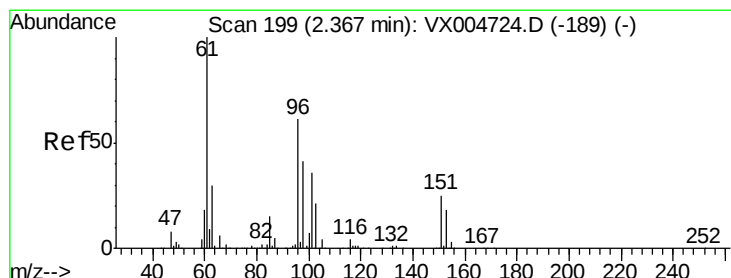
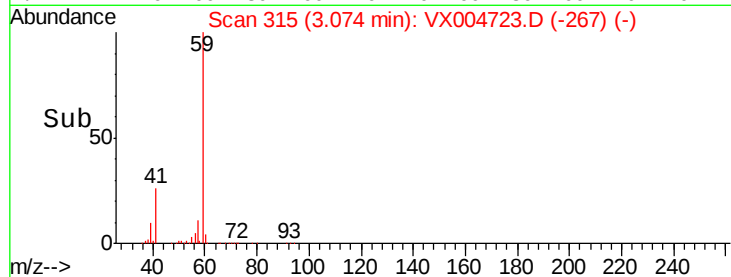
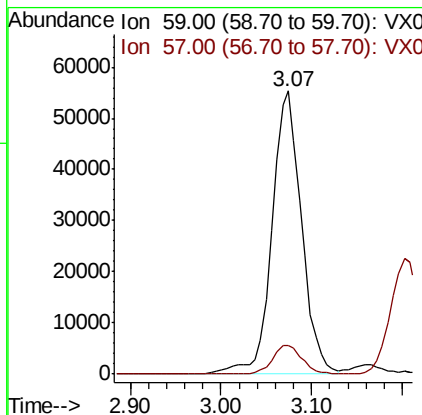
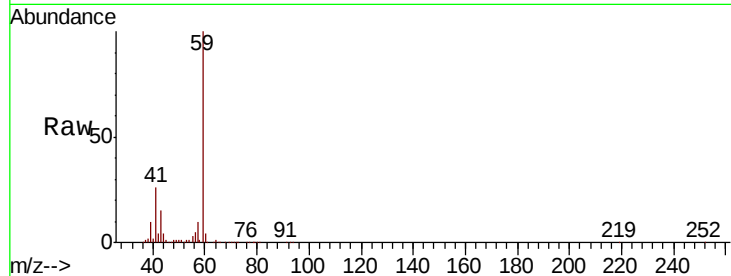
Tert butyl alcohol
Concen: 94.860 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
APPROVED

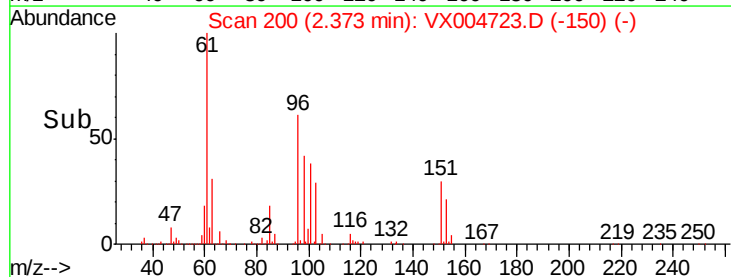
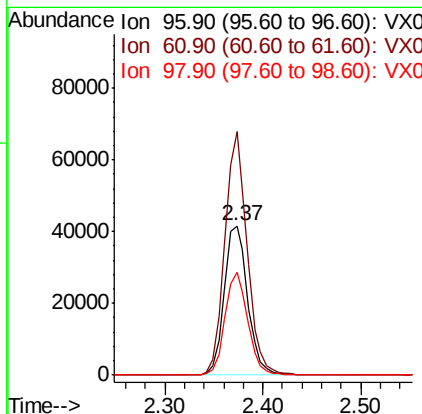
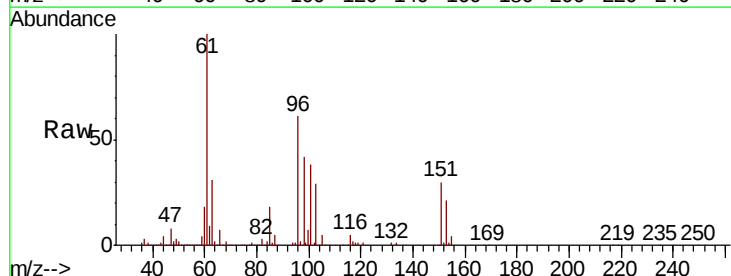
MMDadoda
10/1/2018 1:30:58 PM



#12

1,1-Dichloroethene
Concen: 20.357 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	128.8	193.2
98	69.0	52.2	78.2





#13

Acrolein

Concen: 102.942 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 93028

Ion Ratio Lower Upper

56 100

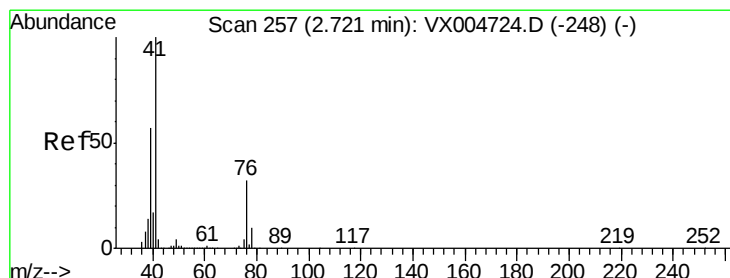
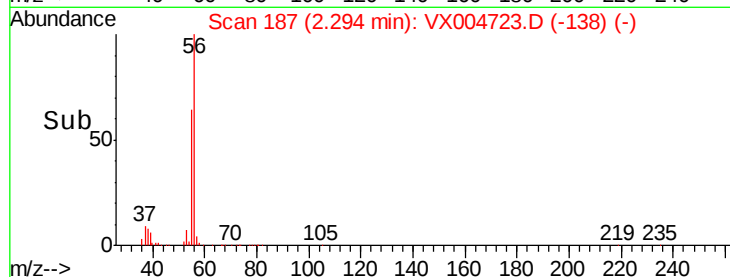
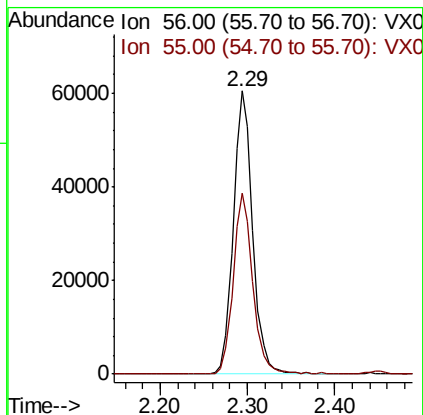
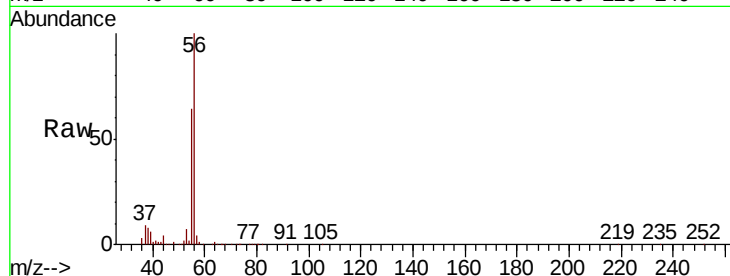
55 64.6 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



#14

Allyl chloride

Concen: 17.495 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

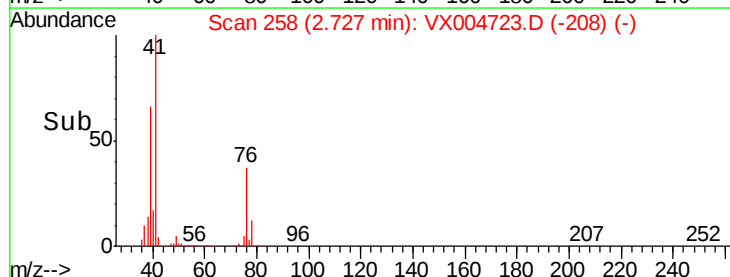
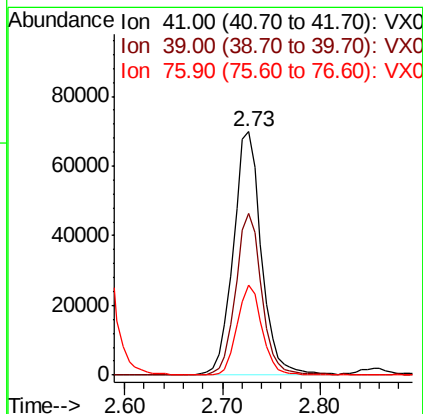
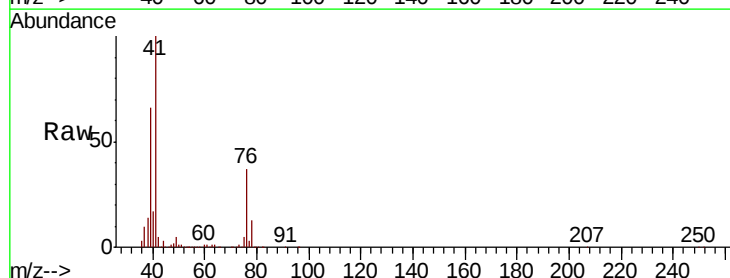
Tgt Ion: 41 Resp: 138941

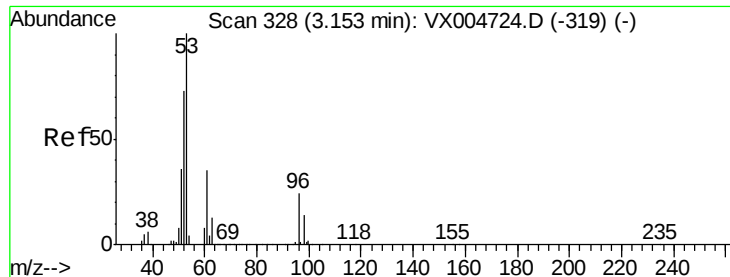
Ion Ratio Lower Upper

41 100

39 60.7 48.9 73.3

76 33.0 26.7 40.1





#15

Acrylonitrile

Concen: 86.069 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

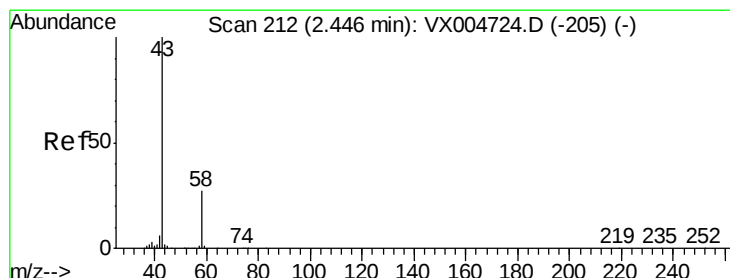
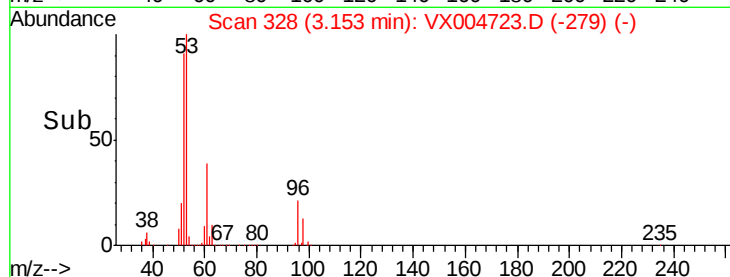
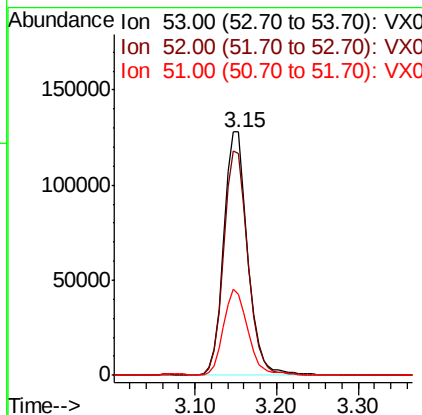
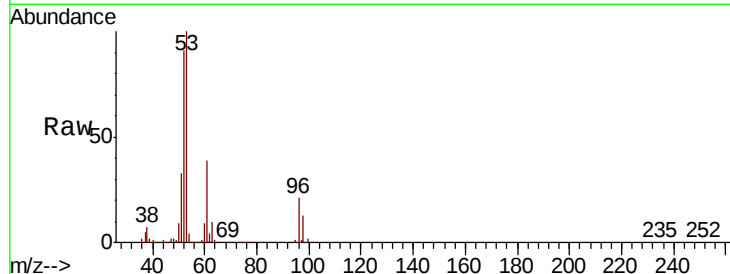
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	257793
Ion	Ratio	Lower	Upper
53	100		
52	93.1	65.2	97.8
51	36.5	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#16

Acetone

Concen: 94.362 ug/l

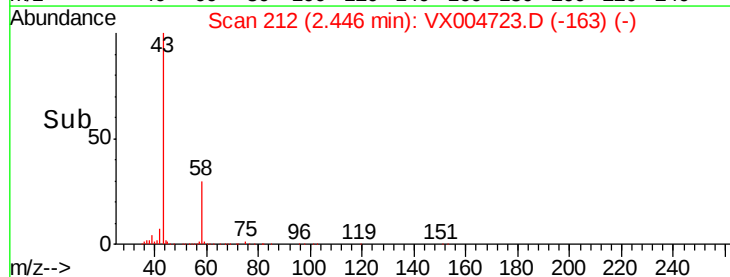
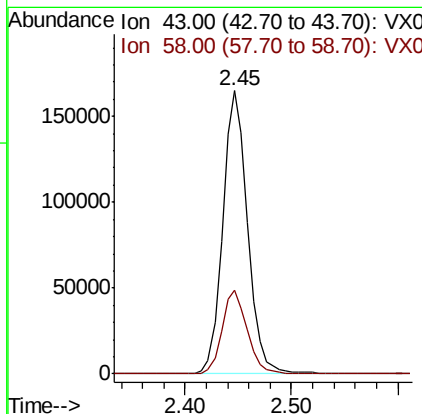
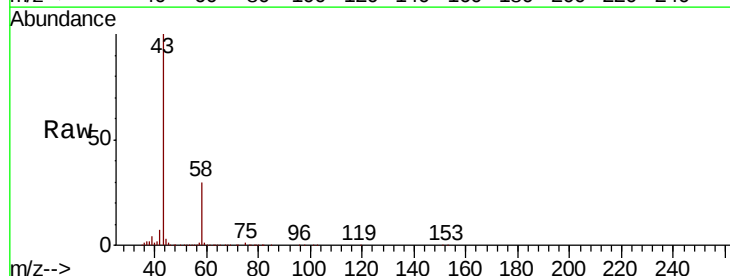
RT: 2.45 min Scan# 212

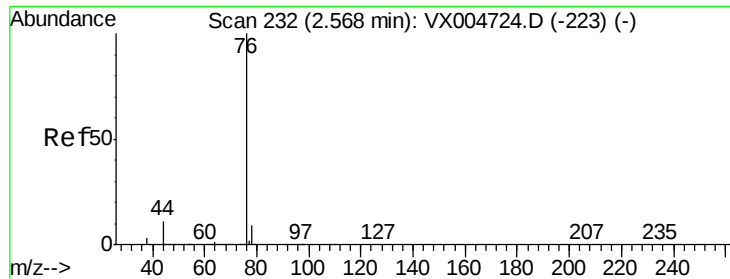
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion:	43	Resp:	266591
Ion	Ratio	Lower	Upper
43	100		
58	29.5	26.2	39.4





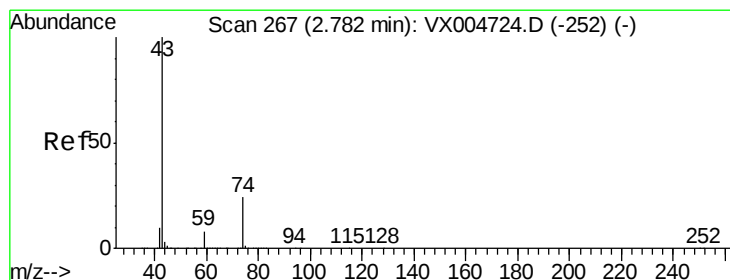
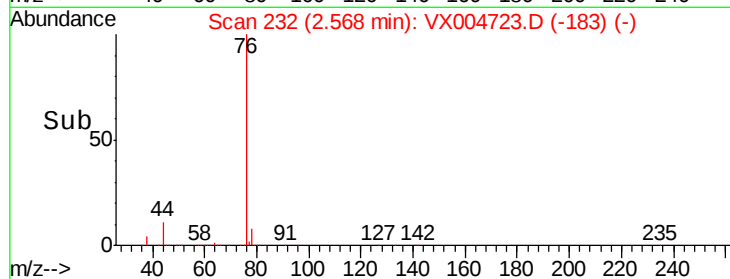
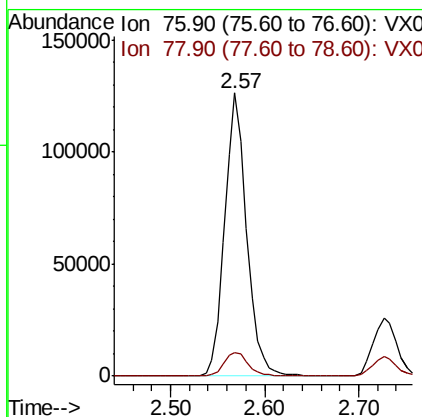
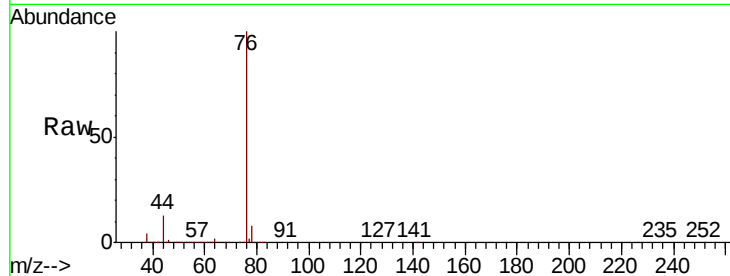
#17
Carbon Disulfide
Concen: 18.751 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6

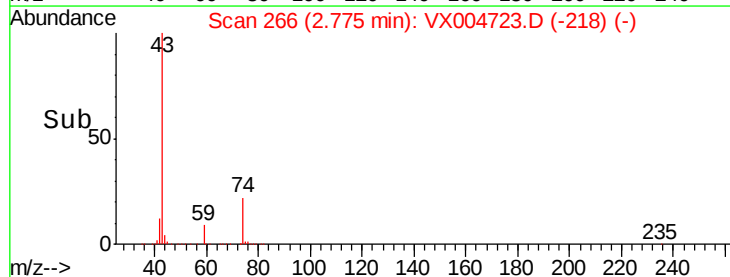
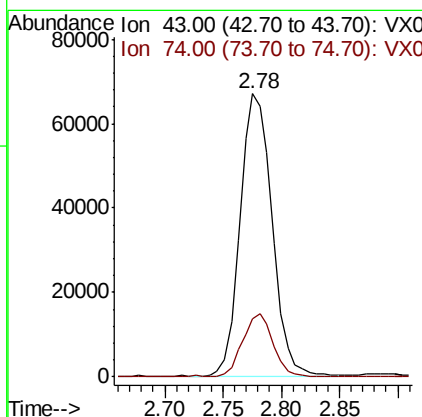
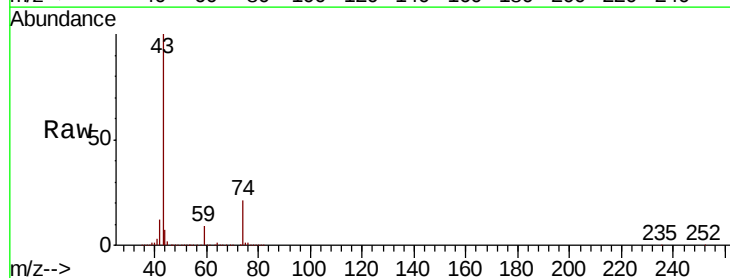
Manual Integrations
APPROVED

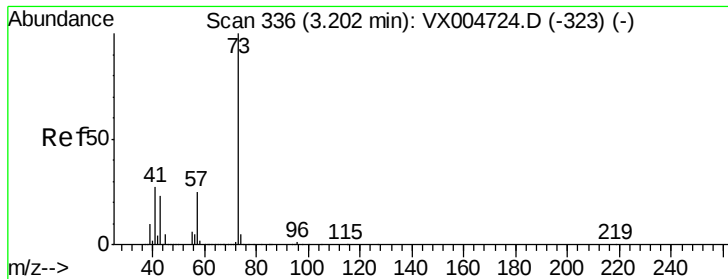
MMDadoda
10/1/2018 1:30:58 PM



#18
Methyl Acetate
Concen: 18.660 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.4	29.2





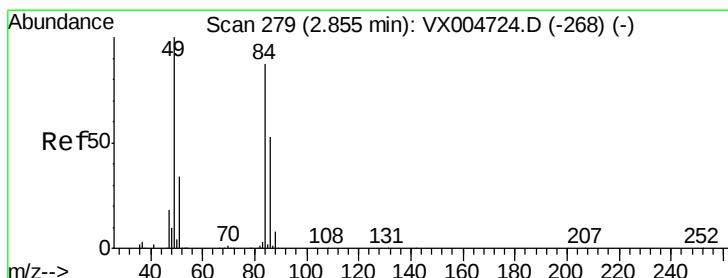
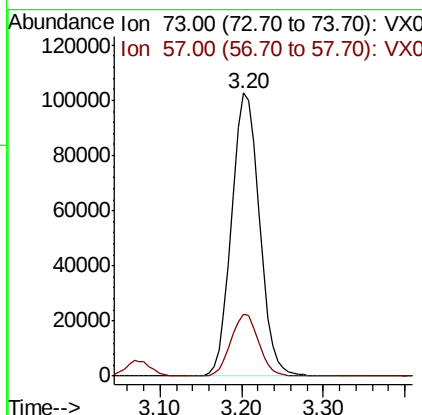
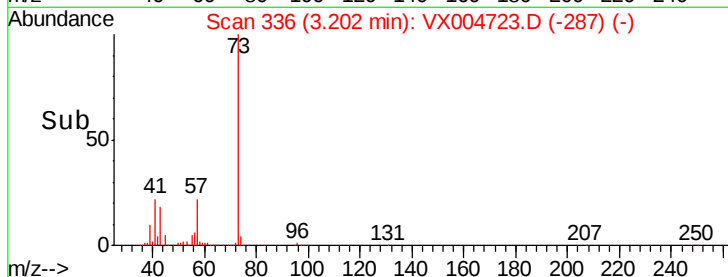
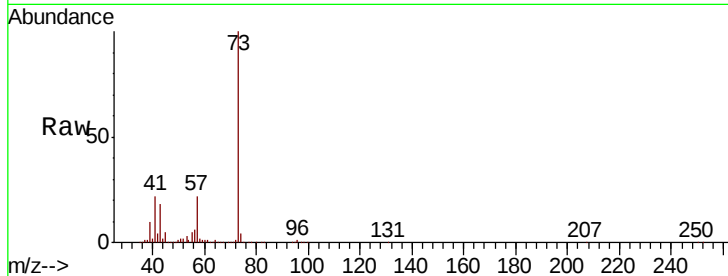
#19
Methyl tert-butyl Ether
Concen: 20.203 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7

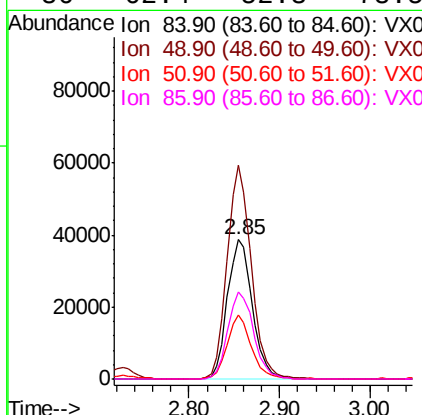
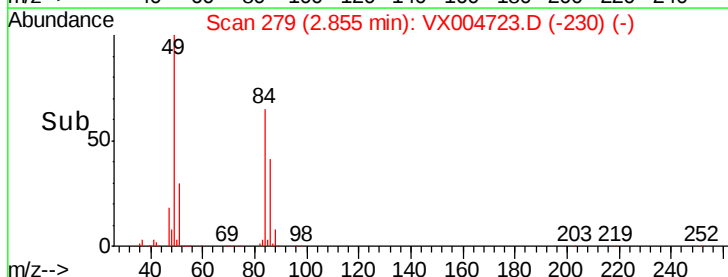
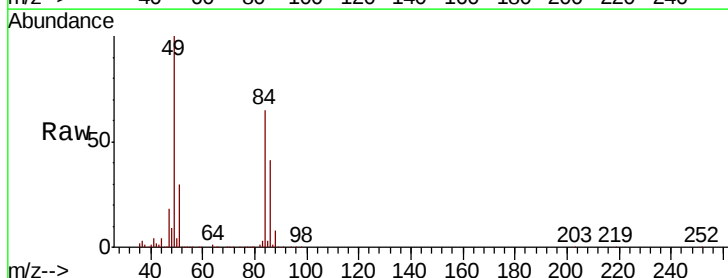
Manual Integrations
APPROVED

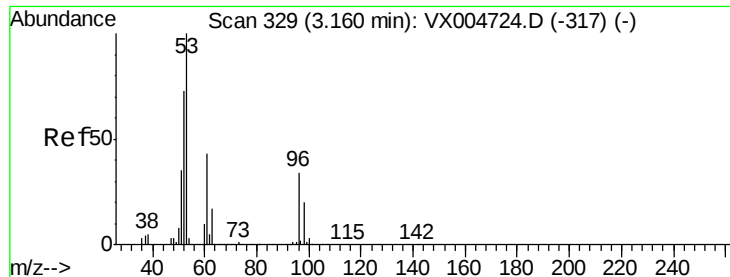
MMDadoda
10/1/2018 1:30:58 PM



#20
Methylene Chloride
Concen: 16.549 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	101.2	151.8#
51	46.0	29.5	44.3#
86	62.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 16.910 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 67838

Ion Ratio Lower Upper

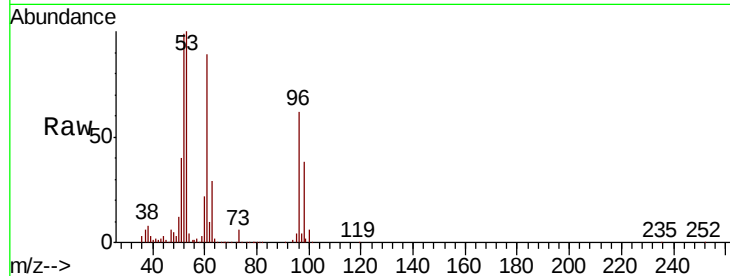
96 100

61 143.6 113.8 170.6

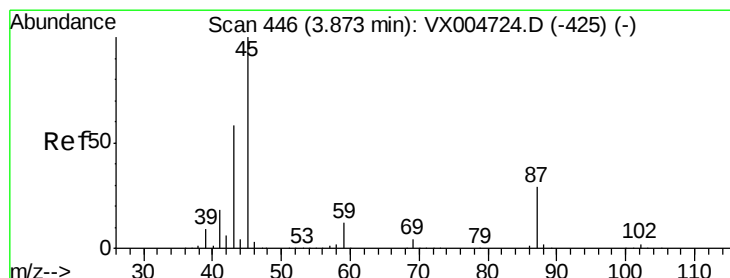
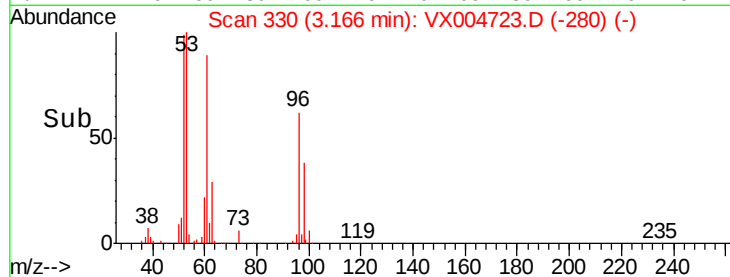
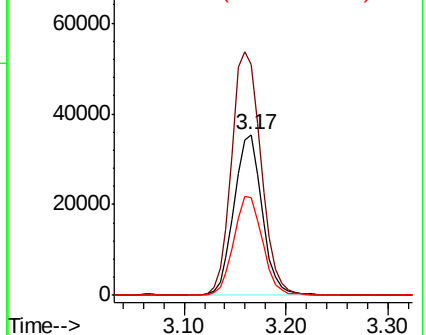
98 60.7 51.8 77.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



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



#22

Diisopropyl ether

Concen: 17.859 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion: 45 Resp: 239105

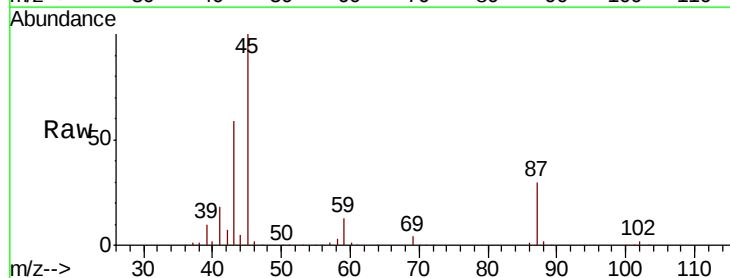
Ion Ratio Lower Upper

45 100

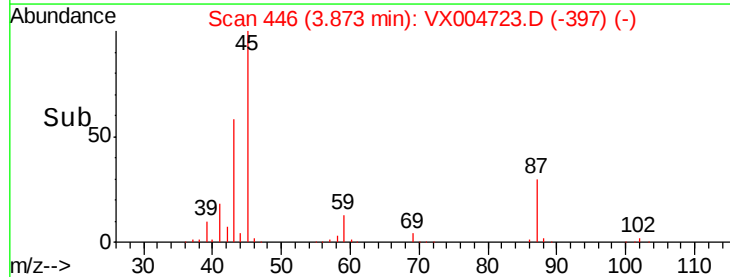
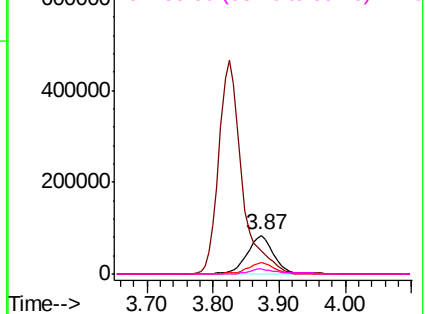
43 58.4 42.8 64.2

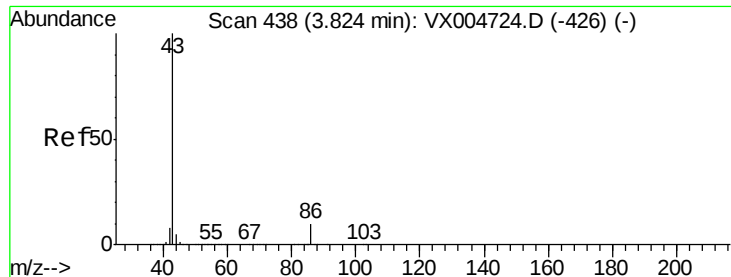
87 29.7 22.6 34.0

59 12.6 9.6 14.4



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





#23

Vinyl Acetate

Concen: 89.811 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1140815

Ion Ratio Lower Upper

43 100

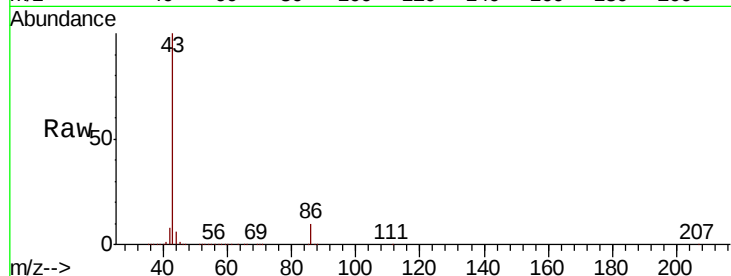
86 9.7 8.9 13.3

Manual Integrations

APPROVED

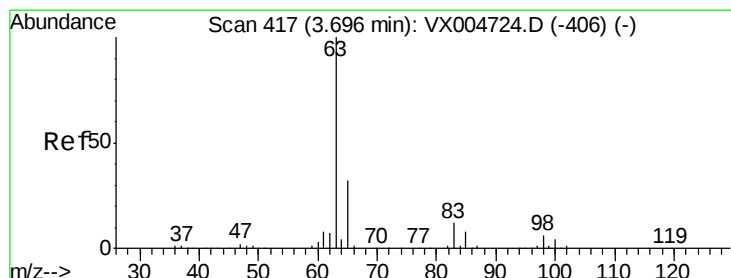
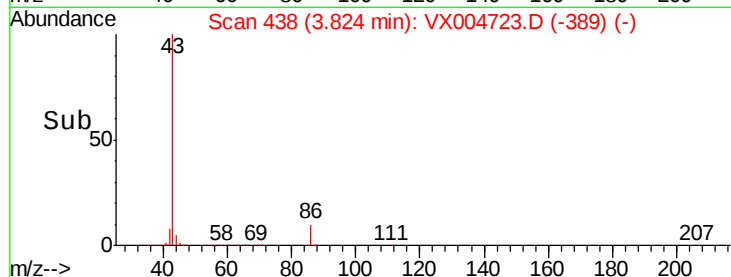
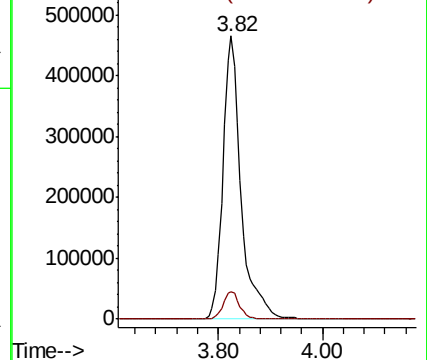
MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.805 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

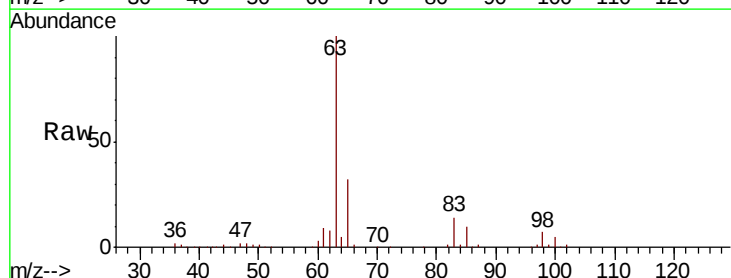
Tgt Ion: 63 Resp: 135571

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

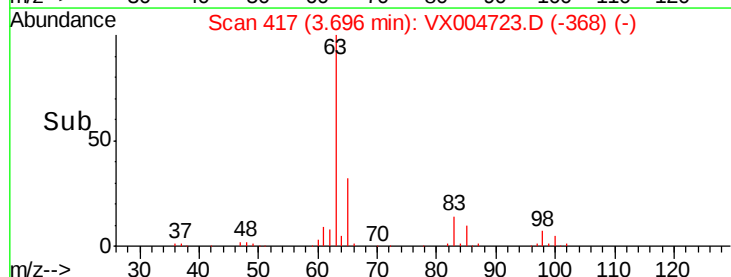
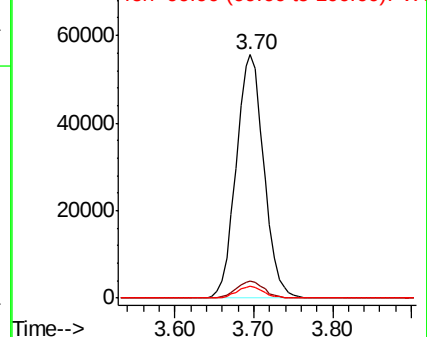
100 5.0 2.4 7.1

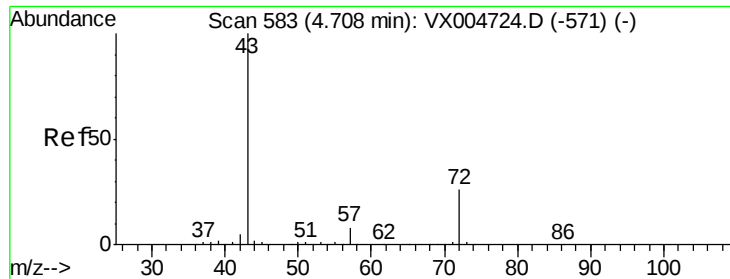


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.404 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 395961

Ion Ratio Lower Upper

43 100

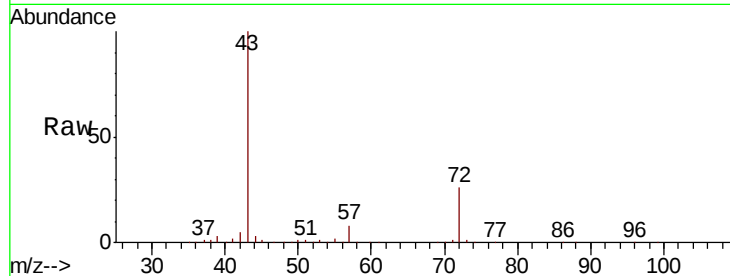
72 25.7 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

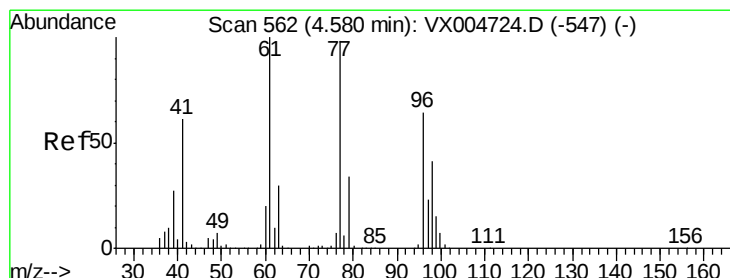
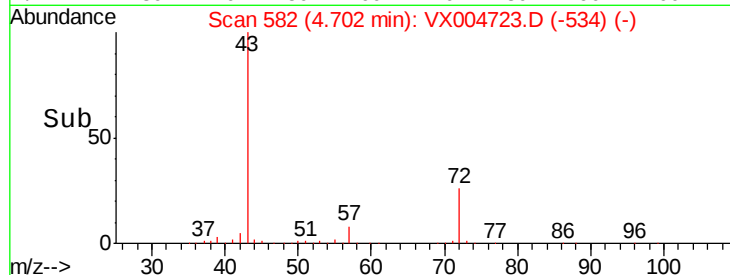
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.063 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004723.D

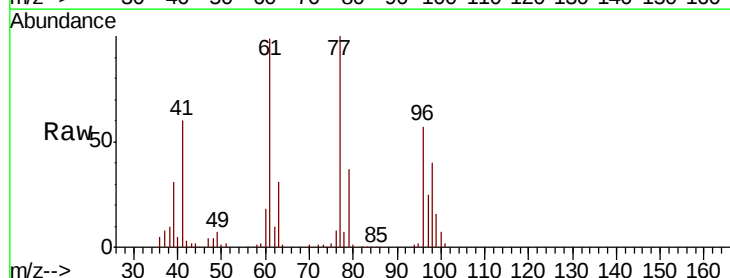
Acq: 26 Sep 2018 12:25

Tgt Ion: 77 Resp: 102170

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

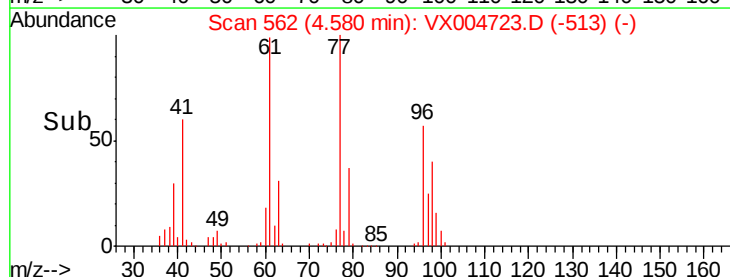
20000

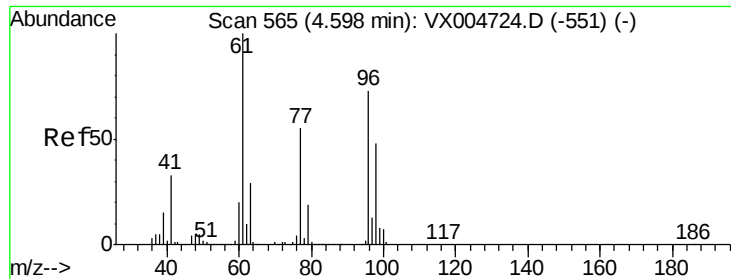
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

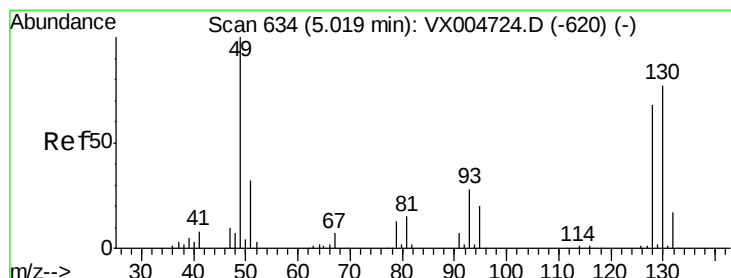
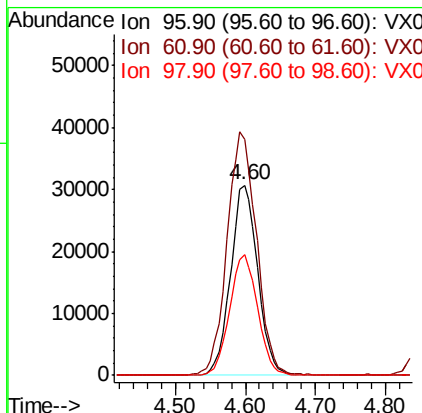
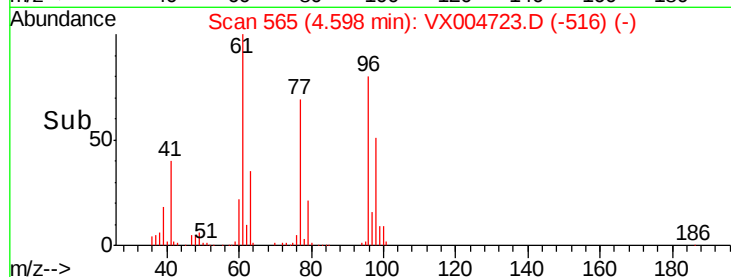
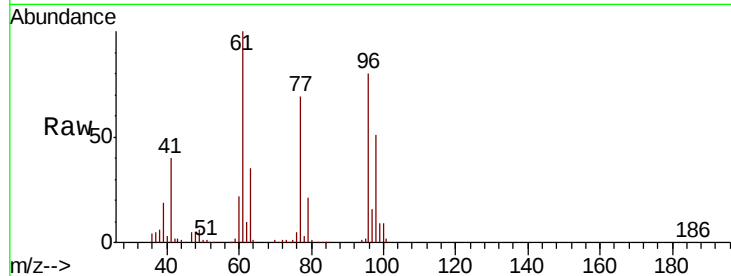
cis-1,2-Dichloroethene
Concen: 18.537 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	282.6
98	65.4	0.0	130.2

Manual Integrations
APPROVED

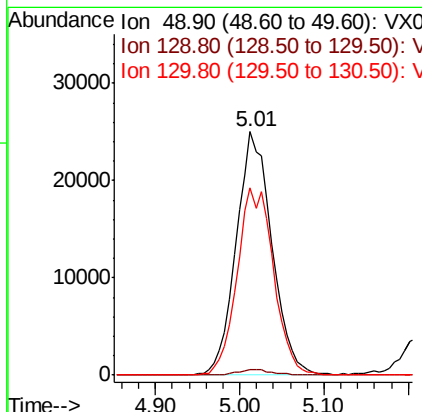
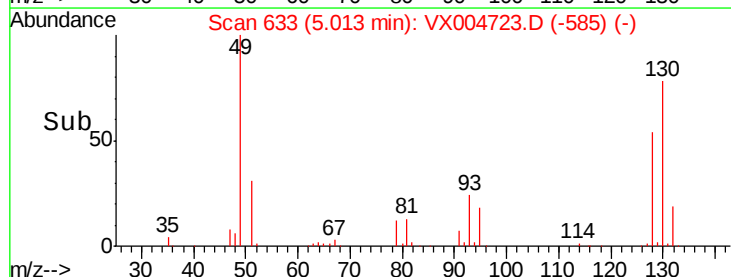
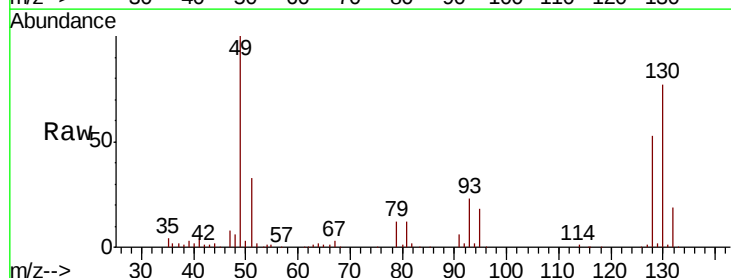
MMDadoda
10/1/2018 1:30:58 PM

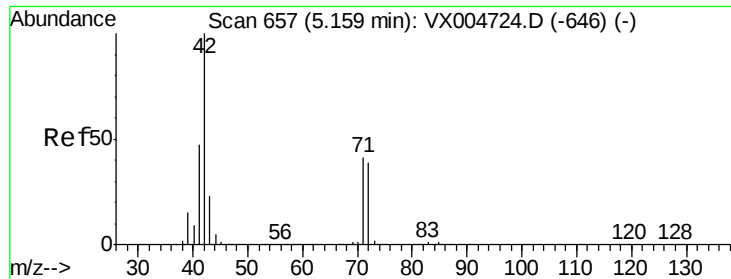


#28

Bromochloromethane
Concen: 20.228 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	78.6	67.5	101.3





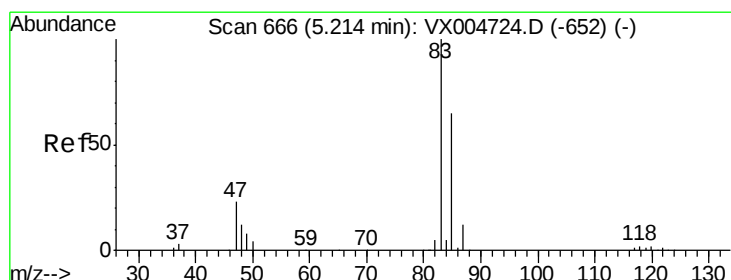
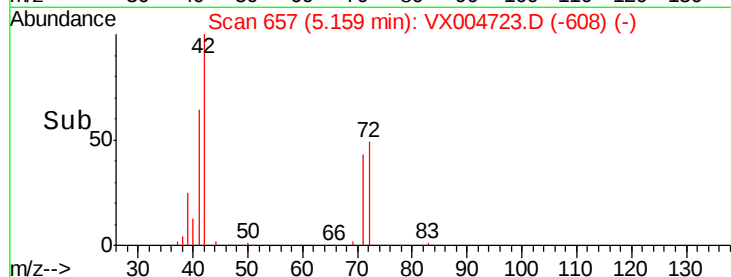
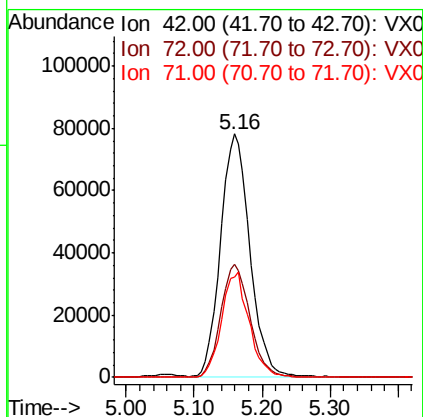
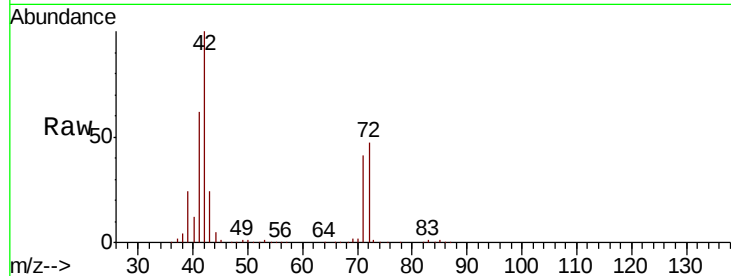
#29
Tetrahydrofuran
Concen: 87.544 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	41.0	34.5	51.7

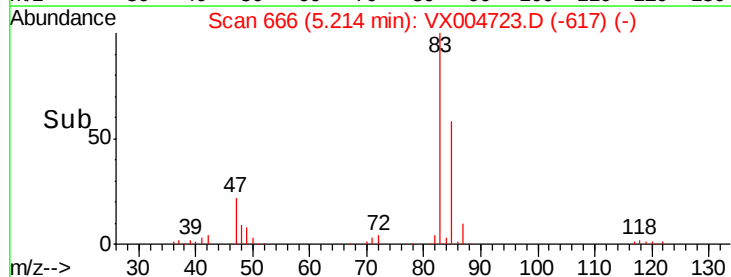
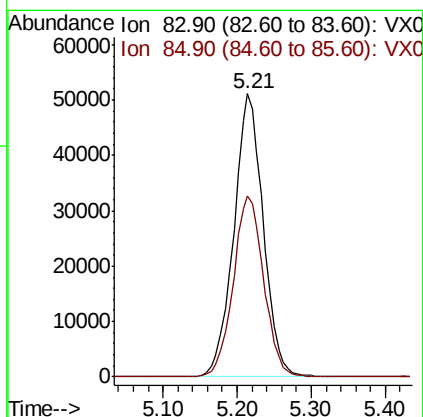
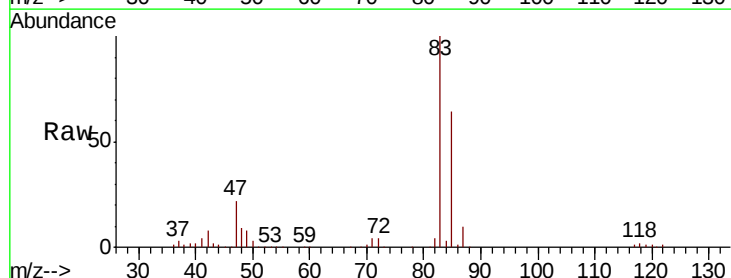
Manual Integrations
APPROVED

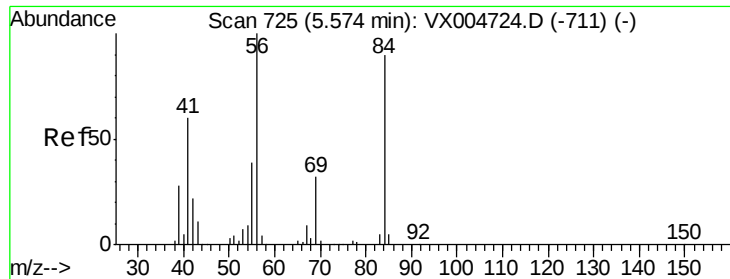
MMDadoda
10/1/2018 1:30:58 PM



#30
Chloroform
Concen: 20.199 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	79.0





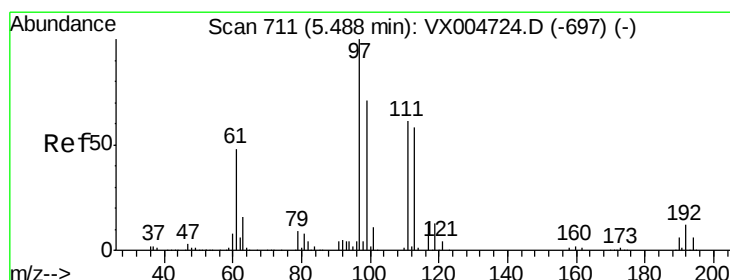
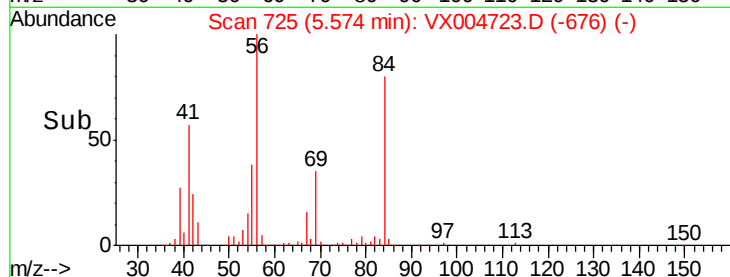
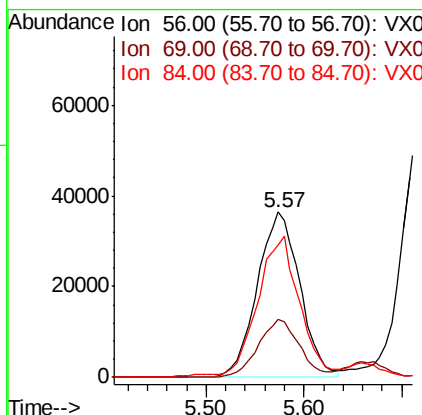
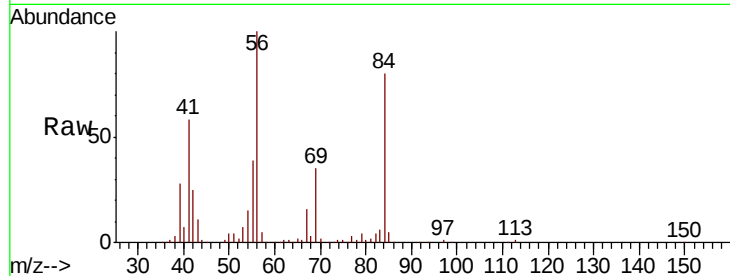
#31
Cyclohexane
Concen: 16.749 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.2
84	79.2	71.4	107.2

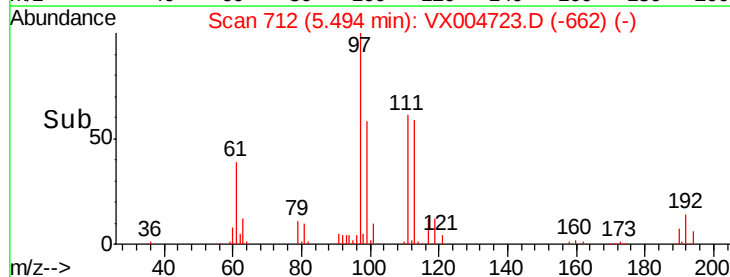
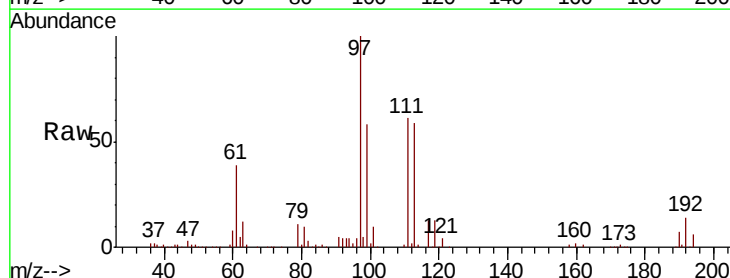
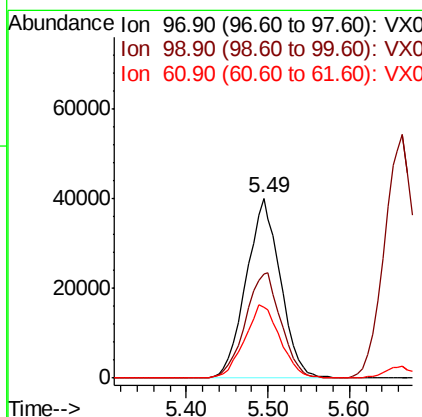
Manual Integrations
APPROVED

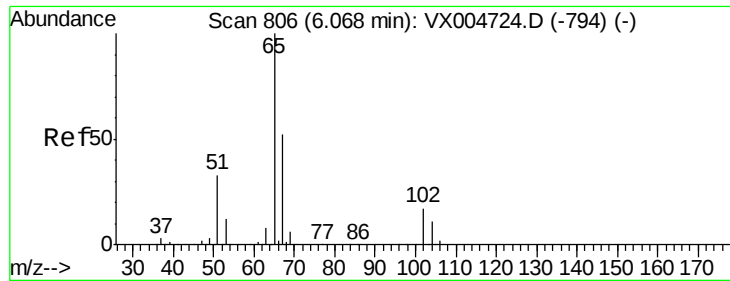
MMDadoda
10/1/2018 1:30:58 PM



#32
1,1,1-Trichloroethane
Concen: 19.439 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	52.0	78.0
61	42.4	34.9	52.3





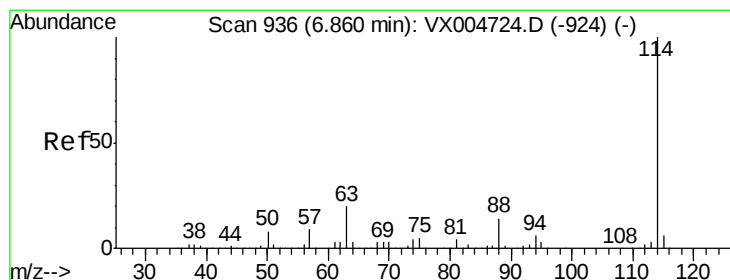
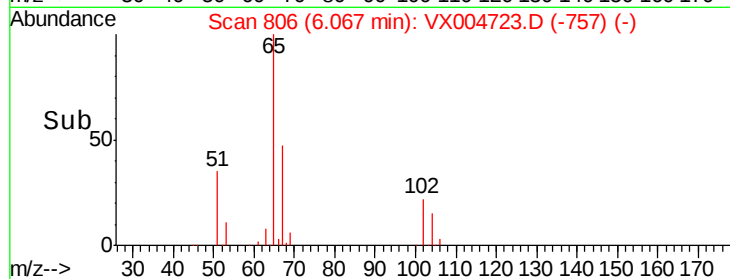
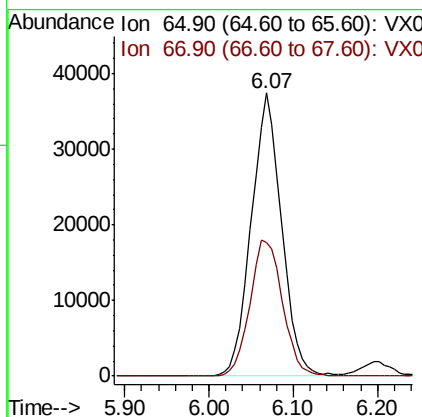
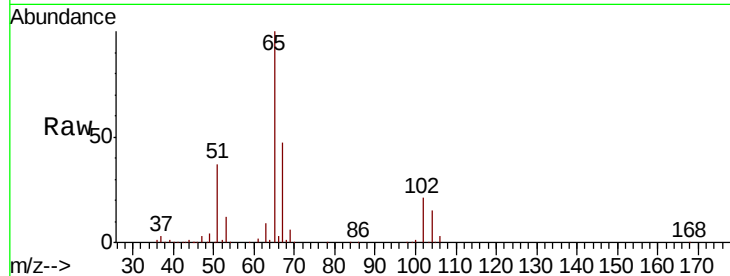
#33
 1,2-Dichloroethane-d4
 Concen: 18.484 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.8

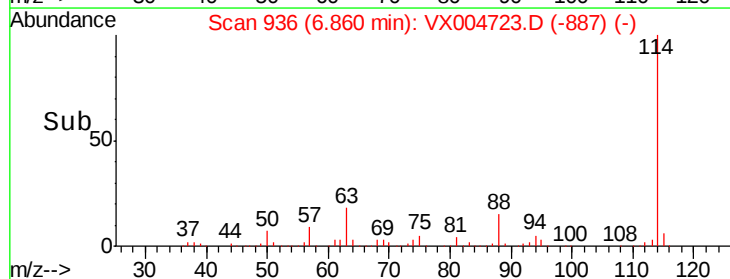
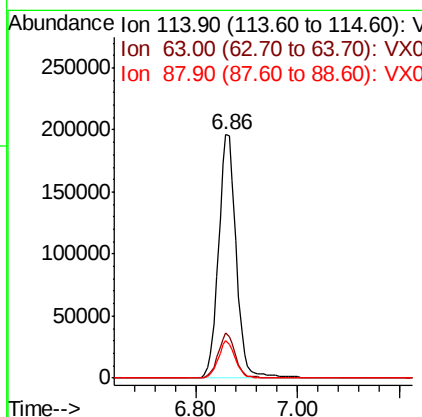
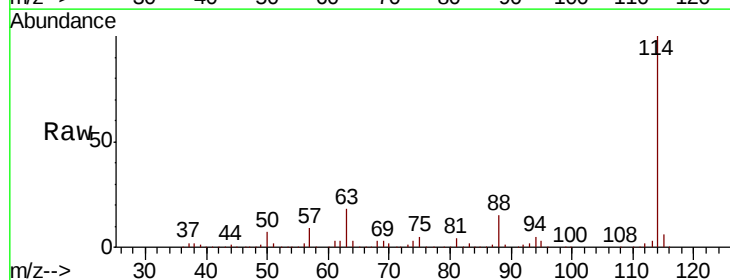
Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.0
88	15.4	0.0	30.4





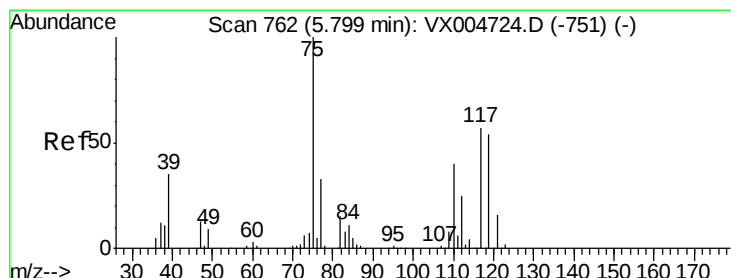
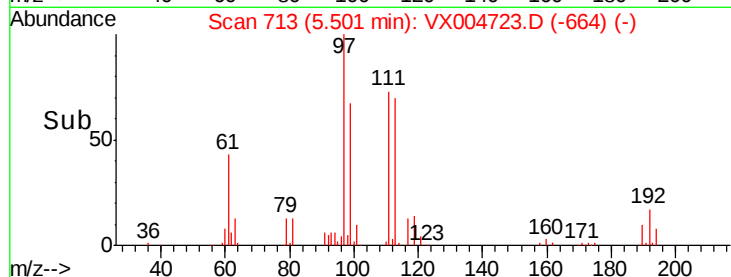
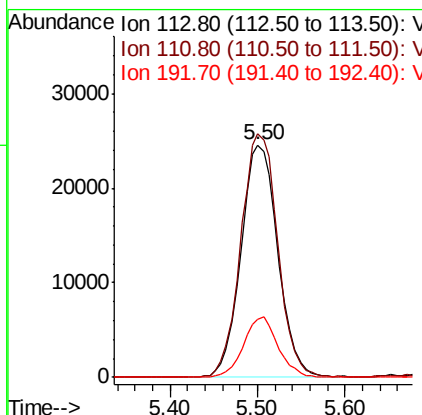
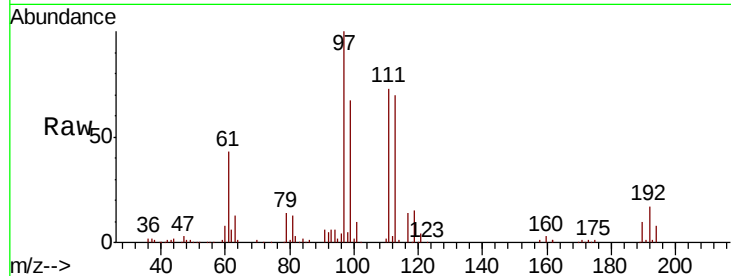
#35
 Dibromofluoromethane
 Concen: 17.152 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.4	123.6
192	24.3	19.4	29.2

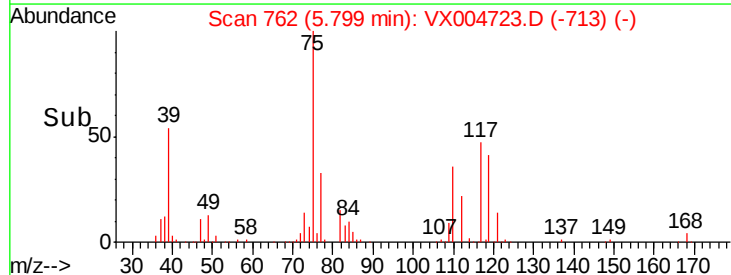
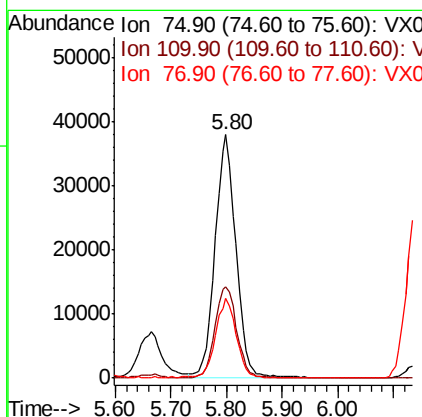
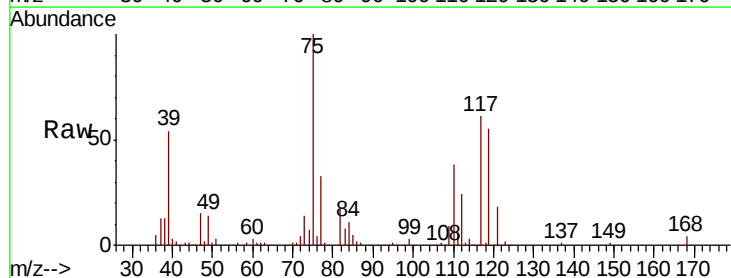
Manual Integrations
 APPROVED

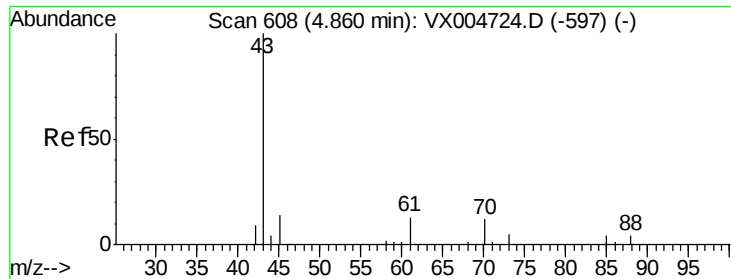
MMDadoda
 10/1/2018 1:30:58 PM



#36
 1,1-Dichloropropene
 Concen: 18.766 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	18.0	54.0
77	31.7	24.6	36.8





#37

Ethyl Acetate

Concen: 17.807 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

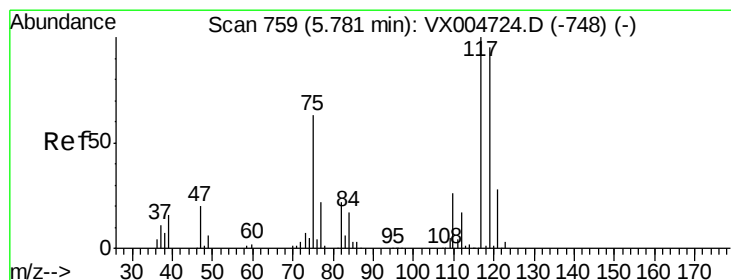
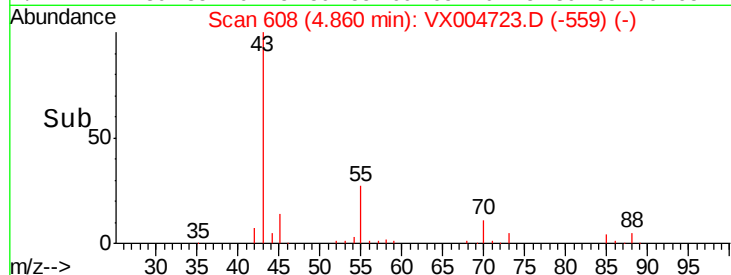
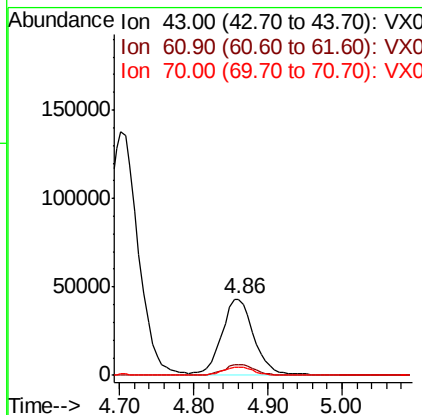
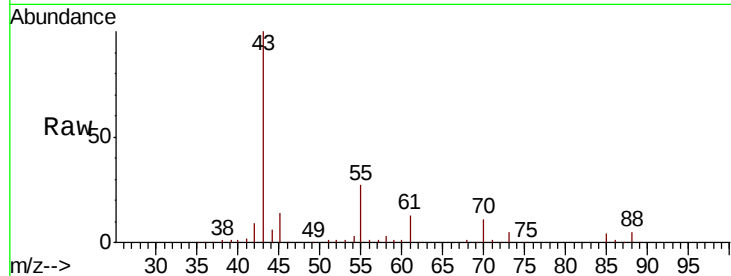
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	129498
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#38

Carbon Tetrachloride

Concen: 18.605 ug/l

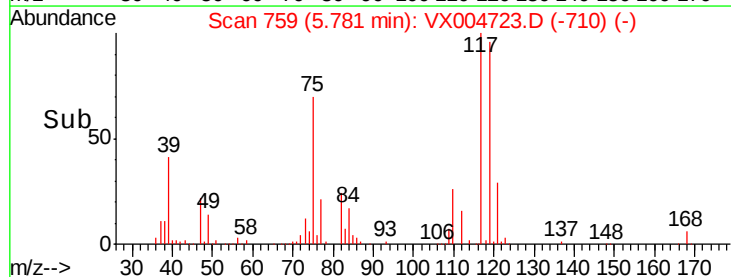
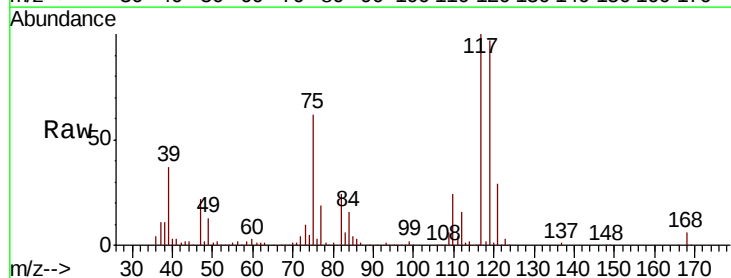
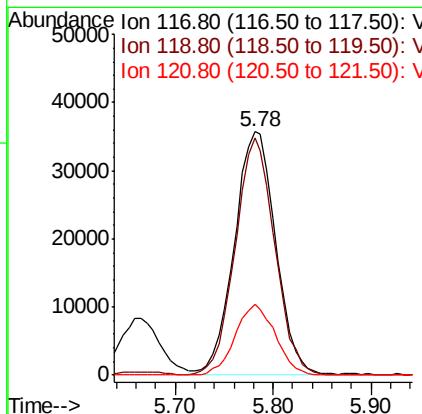
RT: 5.78 min Scan# 759

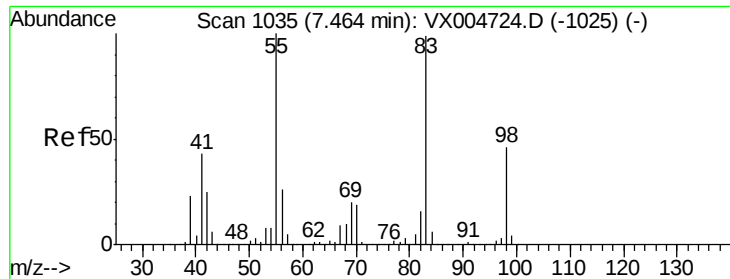
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion:	117	Resp:	104408
Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.8	118.2
121	29.0	24.9	37.3





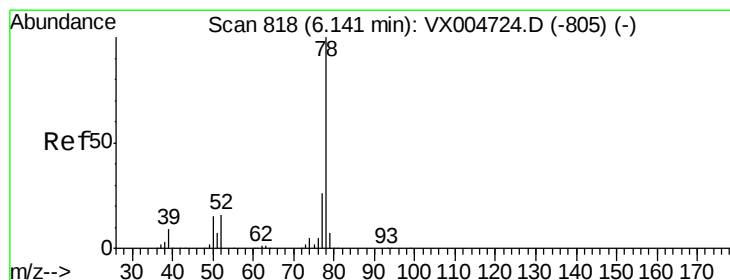
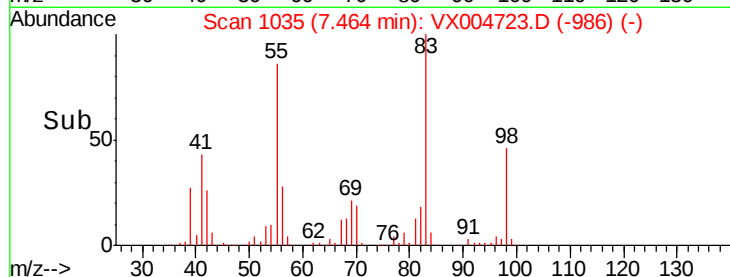
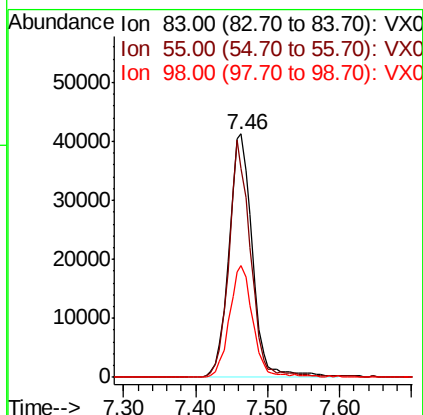
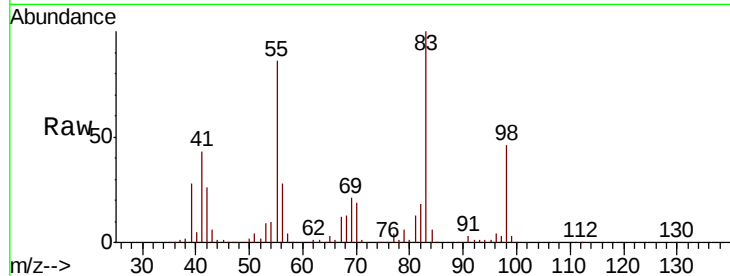
#39
Methylvlcyclohexane
Concen: 17.196 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	61.0	91.4
98	45.8	39.6	59.4

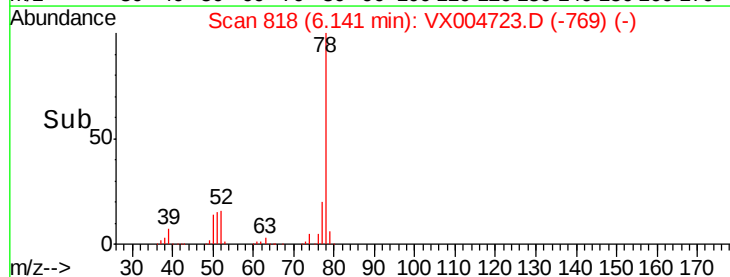
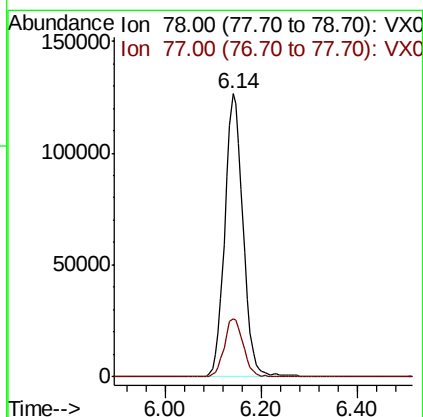
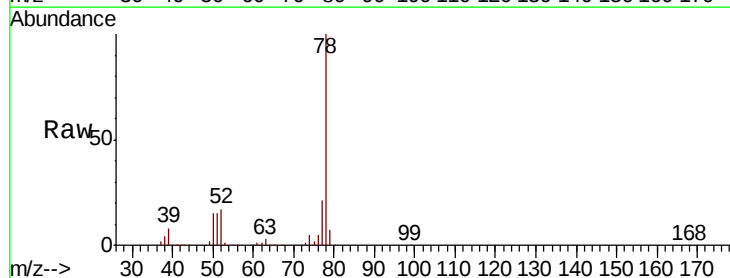
Manual Integrations
APPROVED

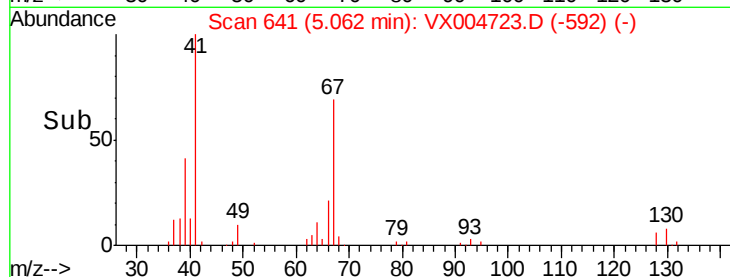
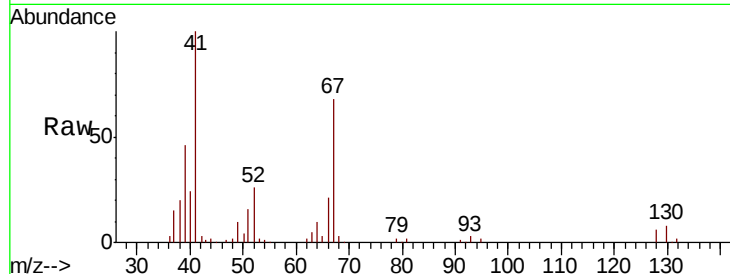
MMDadoda
10/1/2018 1:30:58 PM



#40
Benzene
Concen: 20.438 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.4





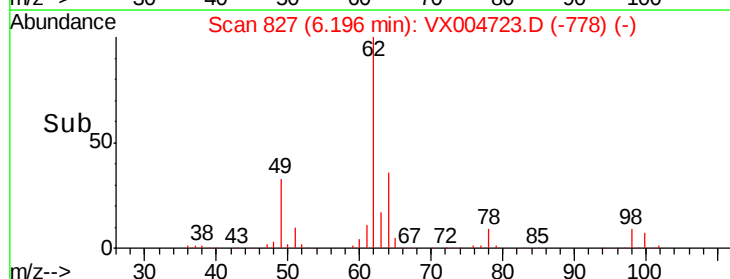
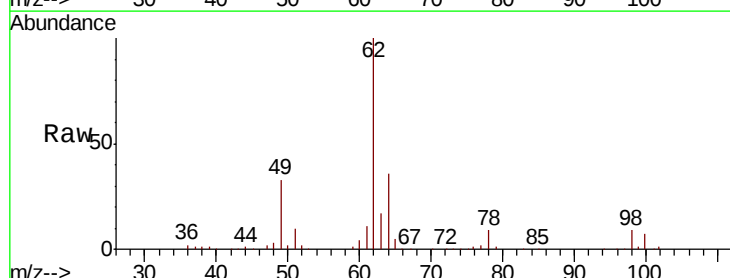
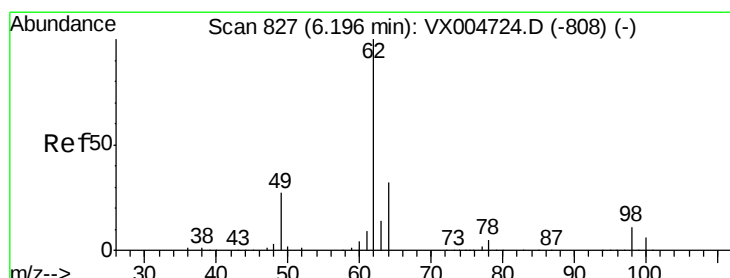
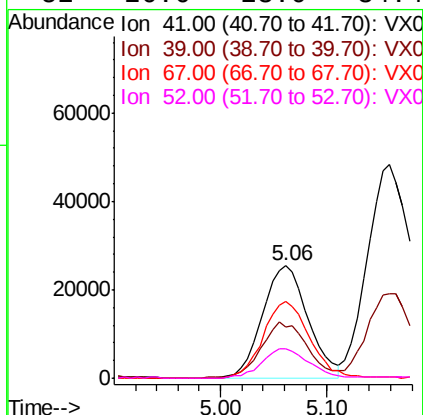
#41
Methacrylonitrile
Concen: 18.062 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.0	42.4	63.6	
67	70.1	59.2	88.8	
52	26.6	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

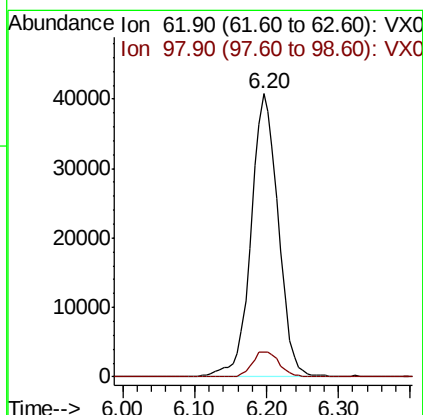
Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#42
1,2-Dichloroethane
Concen: 18.214 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	20.6	





#43

Isopropyl Acetate

Concen: 16.576 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

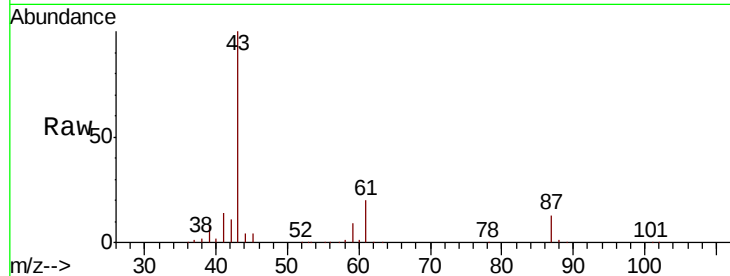
ClientSampleId :

VSTDIC020

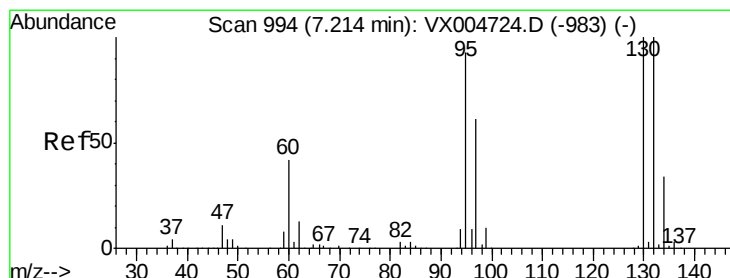
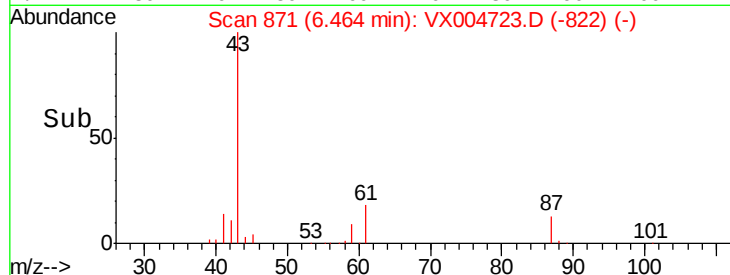
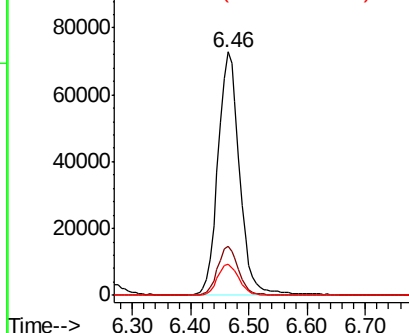
Tot Ion:	43	Resp:	185652
Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.0	25.4
87	12.8	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.729 ug/l

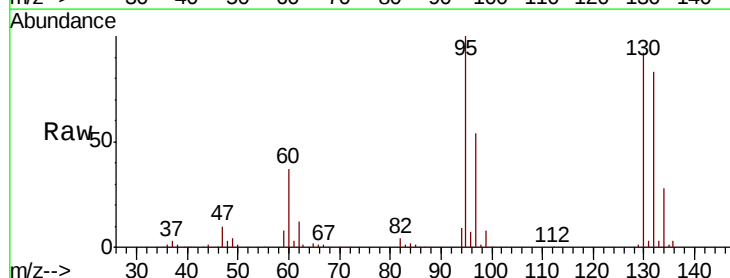
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

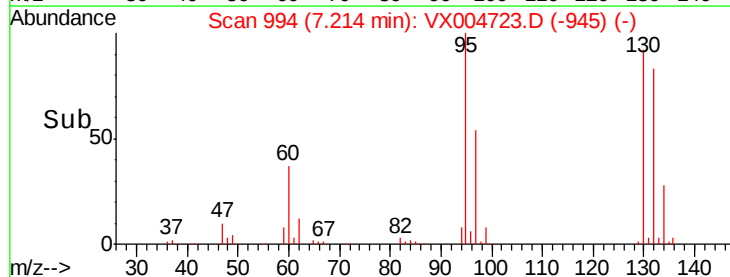
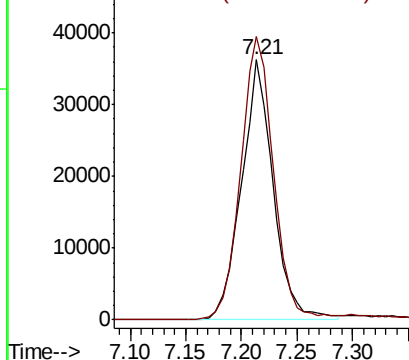
Lab File: VX004723.D

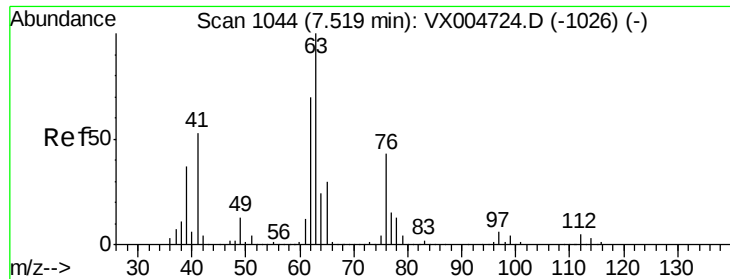
Acq: 26 Sep 2018 12:25

Tgt Ion:	130	Resp:	71507
Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.866 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 73978

Ion Ratio Lower Upper

63 100

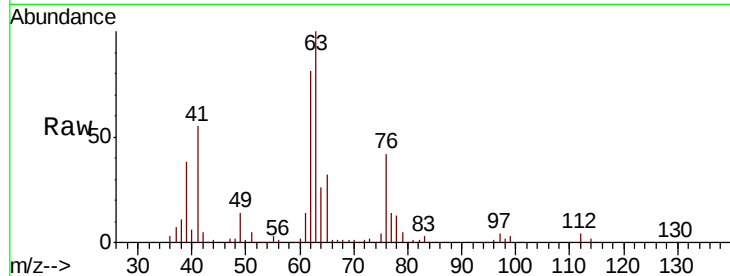
65 31.7 24.3 36.5

Manual Integrations

APPROVED

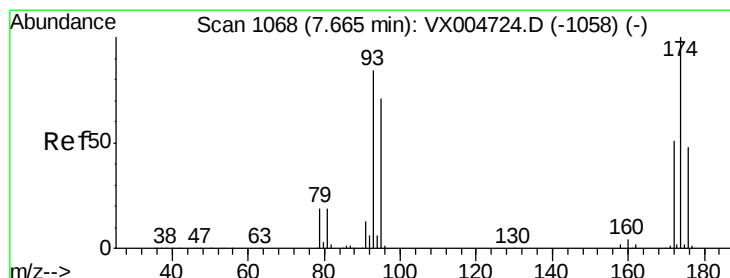
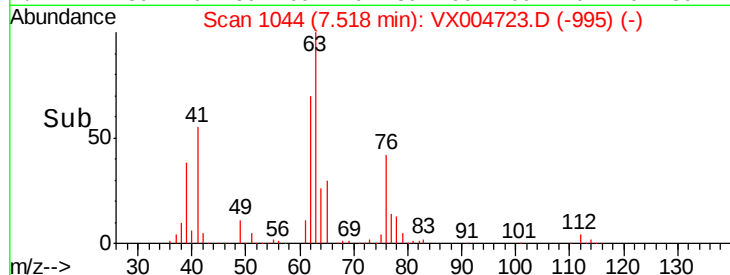
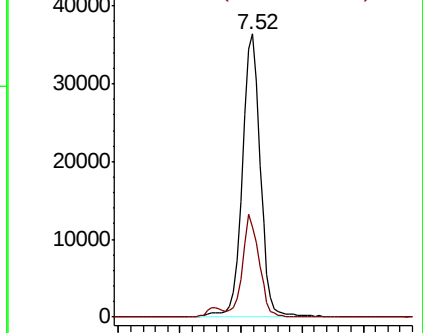
MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.462 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

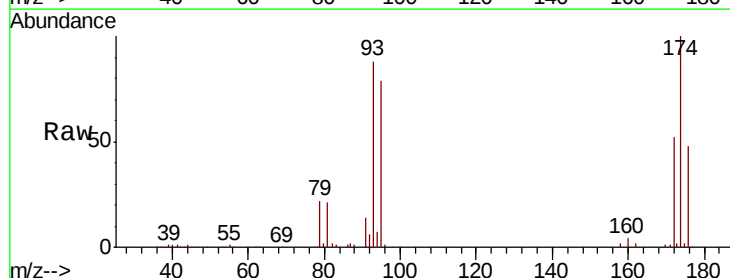
Tgt Ion: 93 Resp: 47572

Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

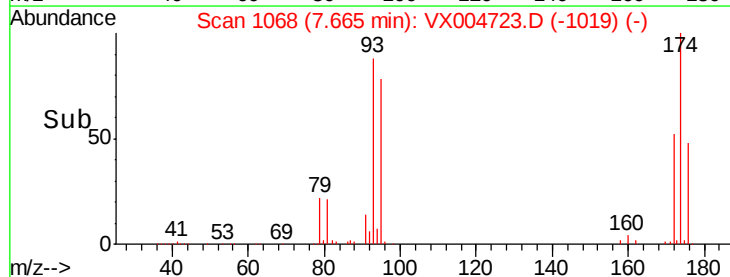
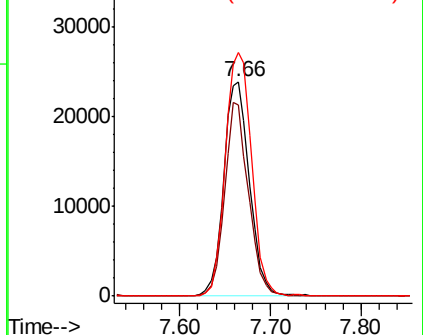
174 116.2 94.2 141.4

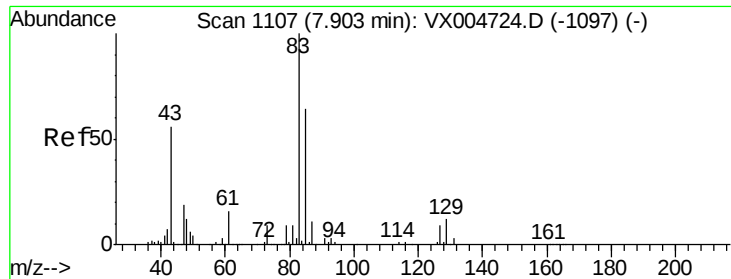


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.420 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

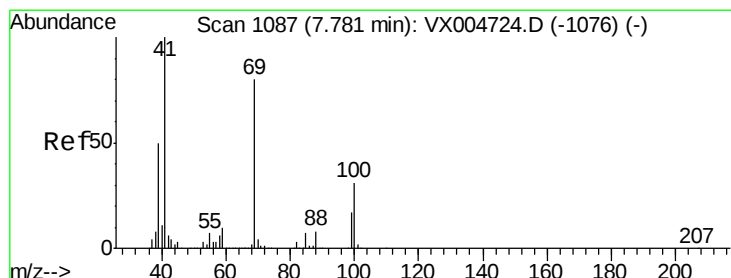
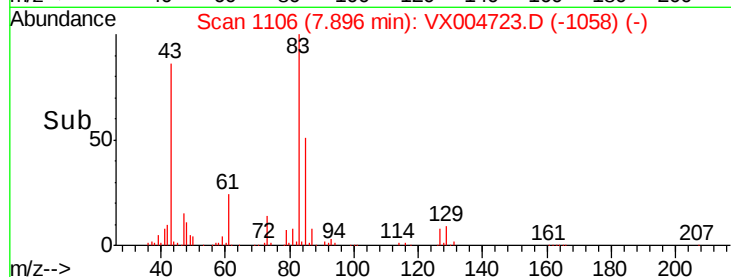
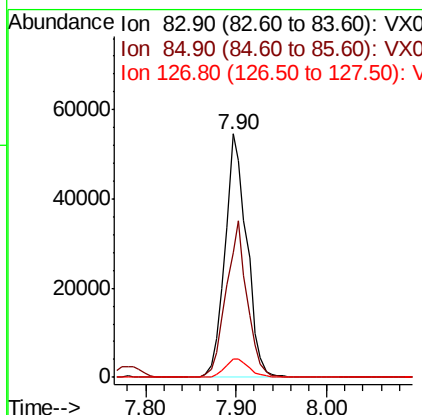
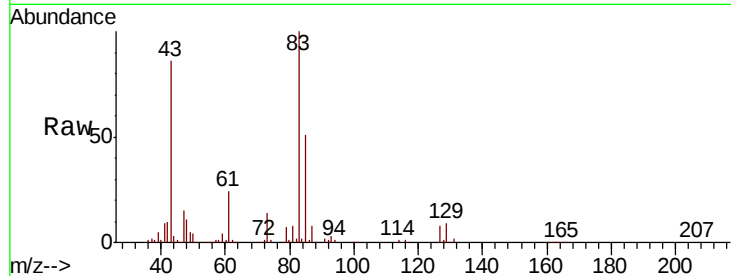
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	90903
Ion	Ratio	Lower	Upper
83	100		
85	51.0	50.9	76.3
127	7.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#48

Methyl methacrylate

Concen: 17.445 ug/l

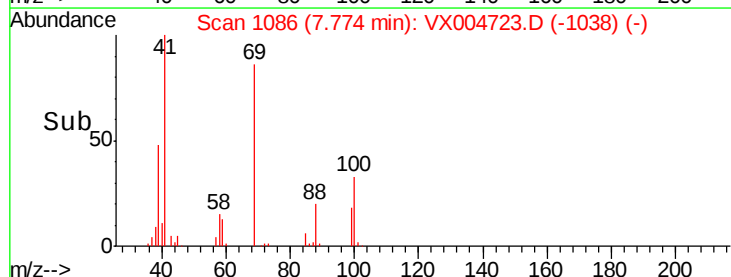
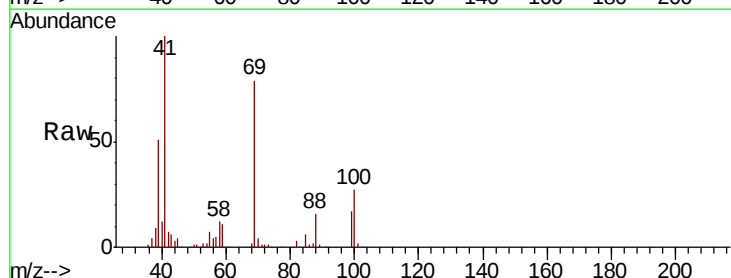
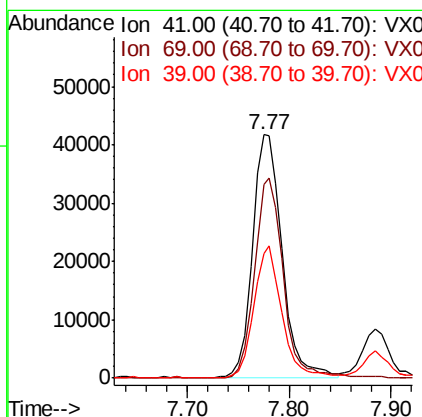
RT: 7.77 min Scan# 1086

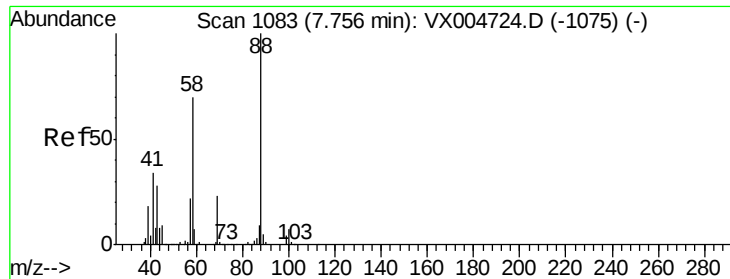
Delta R.T. -0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion:	41	Resp:	84297
Ion	Ratio	Lower	Upper
41	100		
69	80.5	70.2	105.4
39	51.1	42.7	64.1





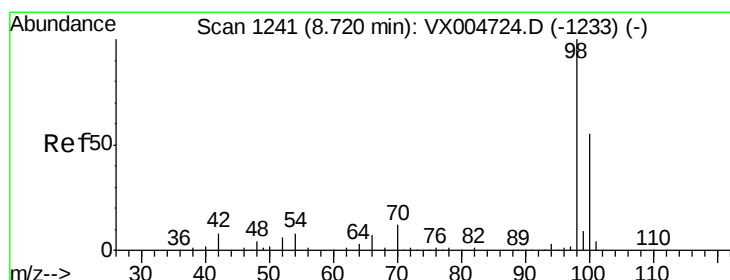
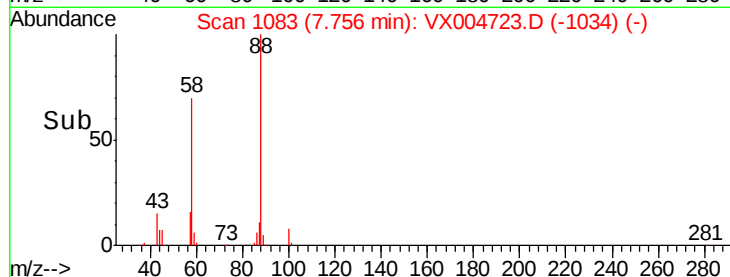
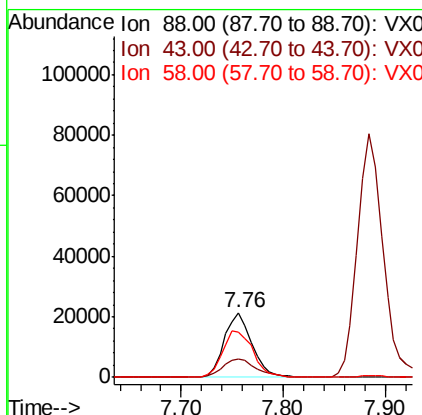
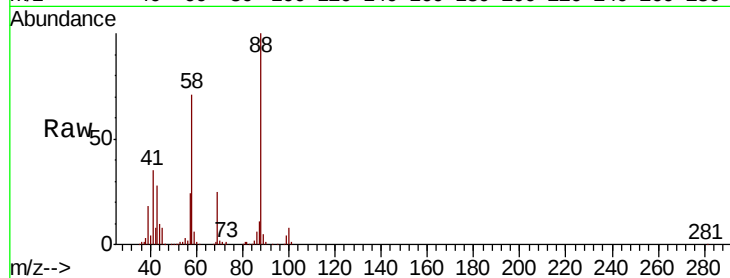
#49
1,4-Dioxane
Concen: 333.402 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	24.7	37.1
58	79.0	55.3	82.9

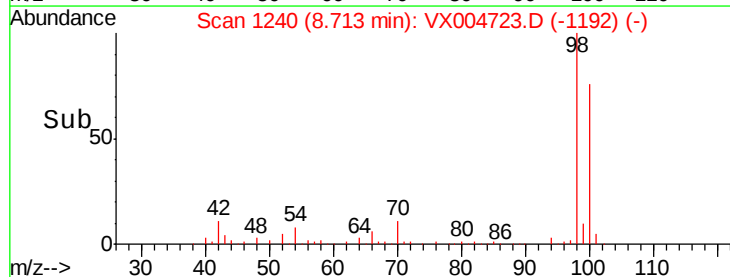
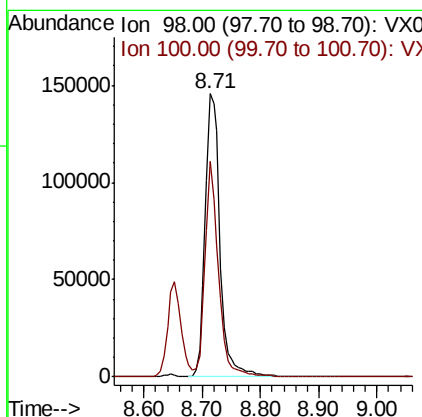
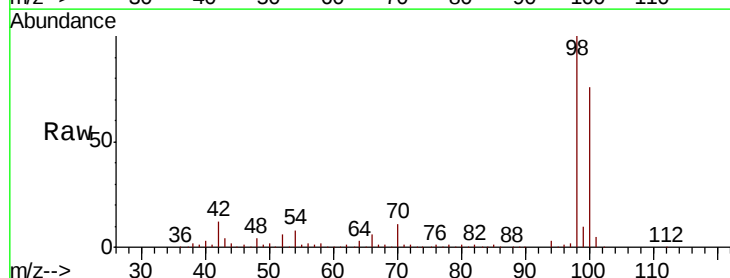
Manual Integrations
APPROVED

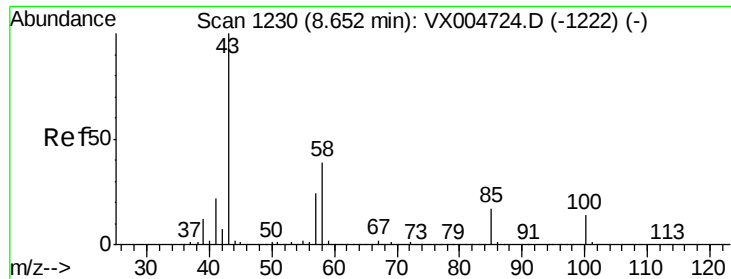
MMDadoda
10/1/2018 1:30:58 PM



#50
Toluene-d8
Concen: 20.844 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	52.9	79.3





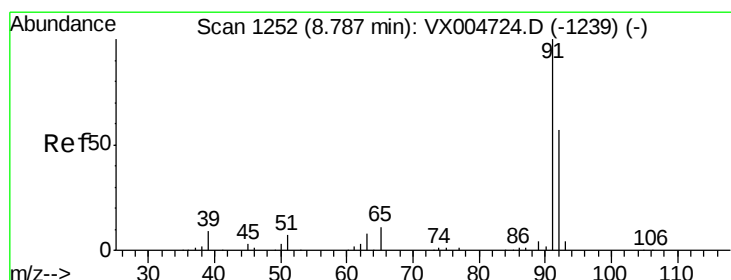
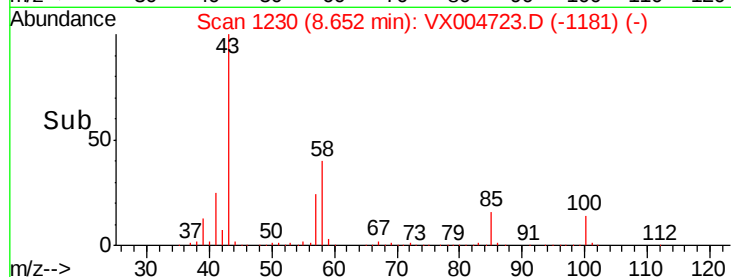
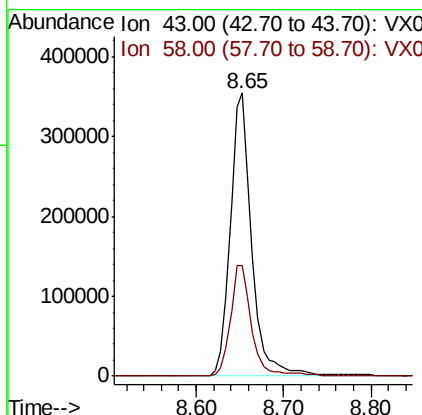
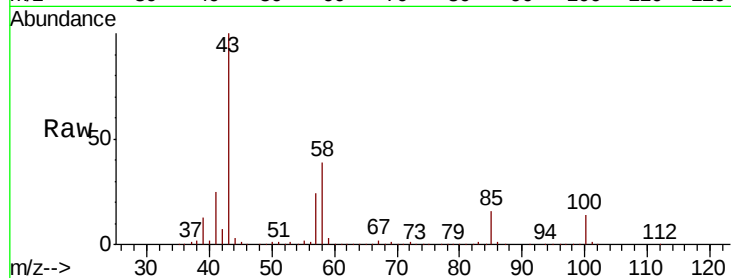
#51
4-Methyl-2-Pentanone
Concen: 91.047 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	33.1	49.7

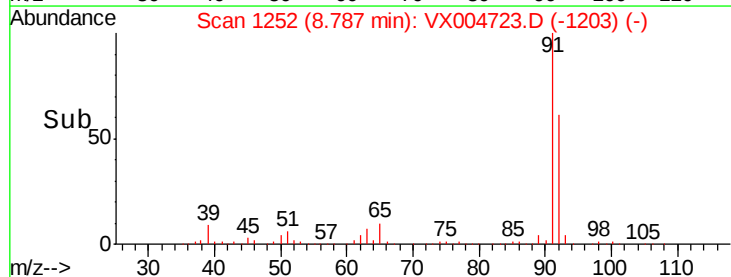
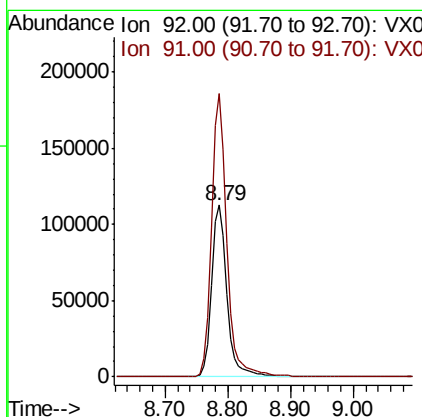
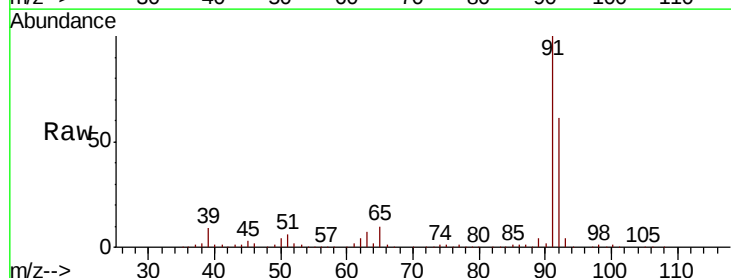
Manual Integrations
APPROVED

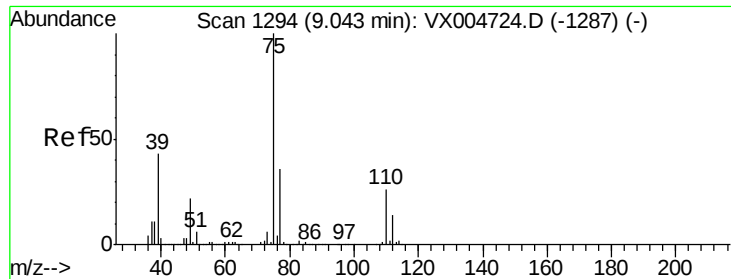
MMDadoda
10/1/2018 1:30:58 PM



#52
Toluene
Concen: 20.391 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	162.9	136.4	204.6





#53

t-1,3-Dichloropropene

Concen: 18.616 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 109724

Ion Ratio Lower Upper

75 100

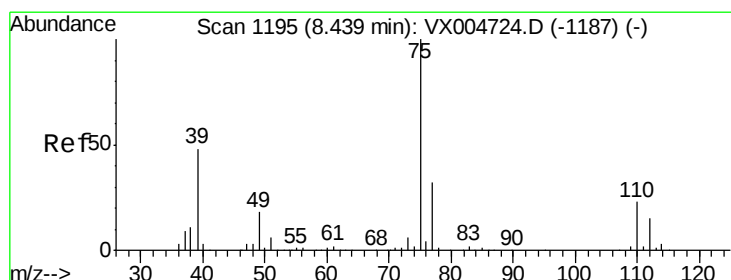
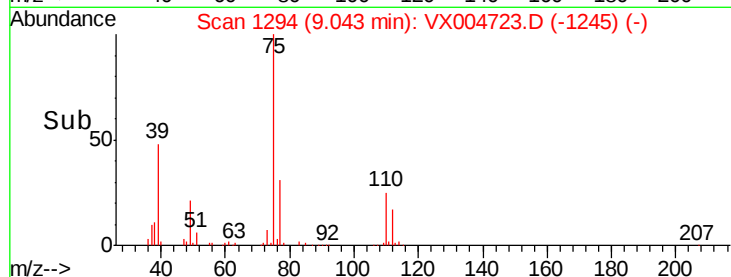
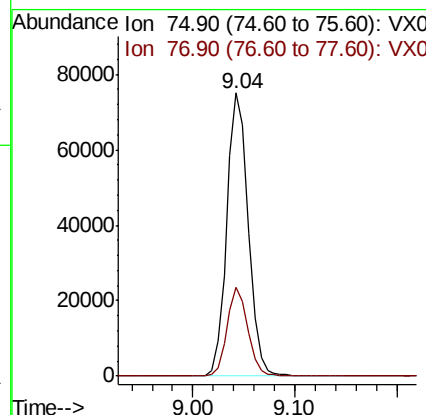
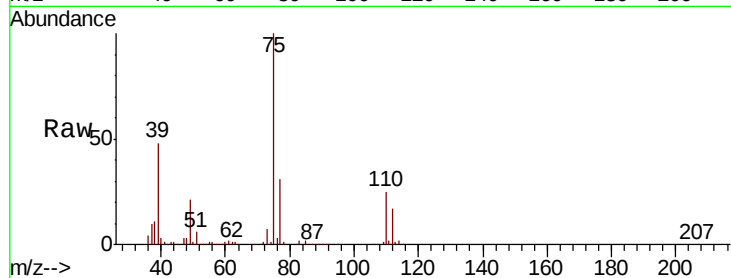
77 31.2 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



#54

cis-1,3-Dichloropropene

Concen: 18.280 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

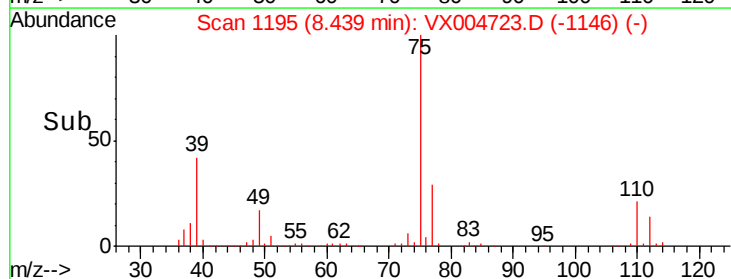
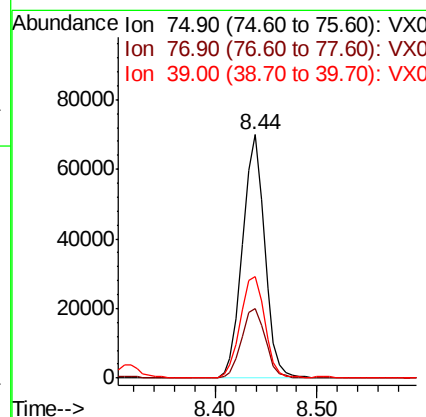
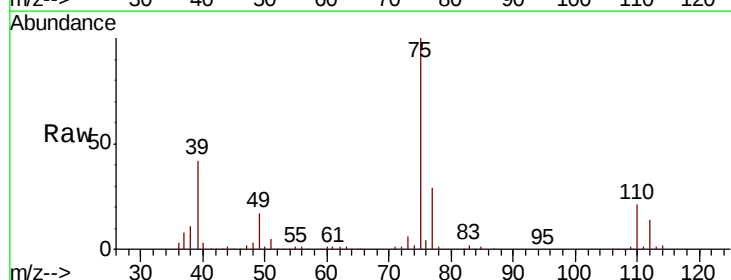
Tgt Ion: 75 Resp: 105476

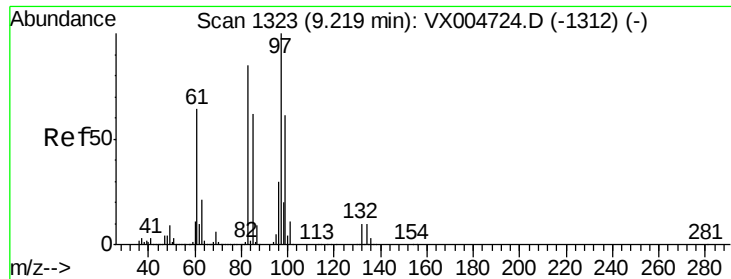
Ion Ratio Lower Upper

75 100

77 28.7 26.2 39.2

39 41.5 36.4 54.6





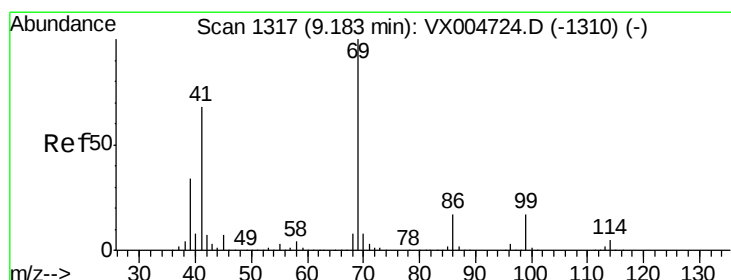
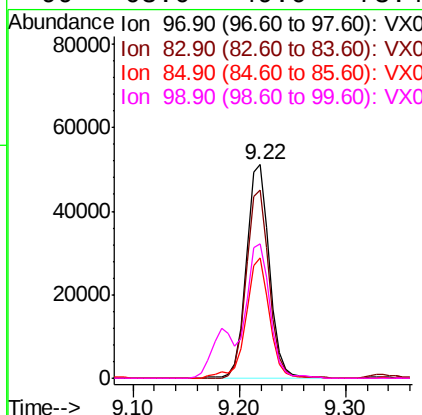
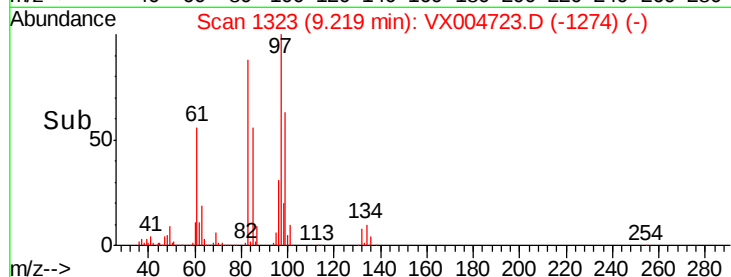
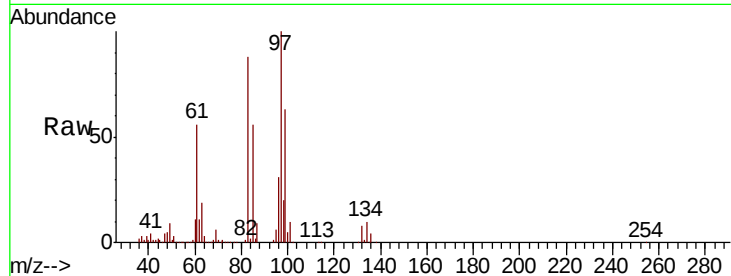
#55
 1,1,2-Trichloroethane
 Concen: 18.900 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77717		
83	87.9	66.4	99.6		
85	56.5	43.3	64.9		
99	63.0	49.0	73.4		

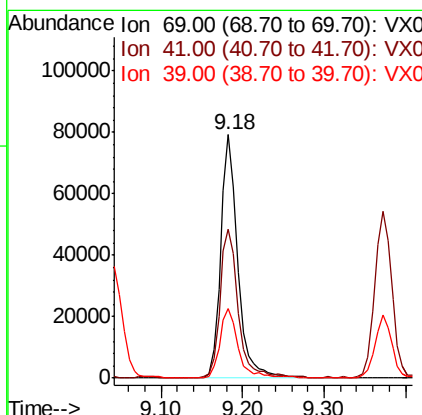
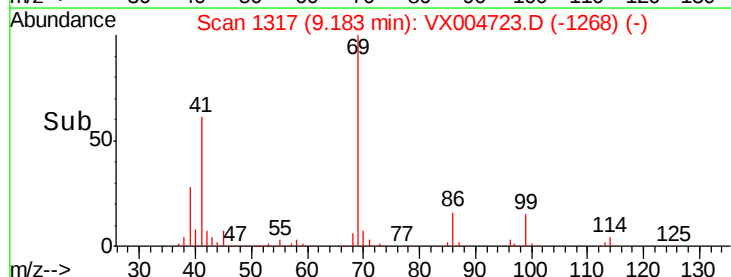
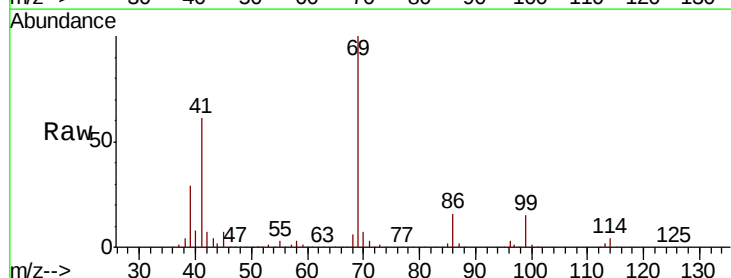
Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM



#56
 Ethyl methacrylate
 Concen: 18.569 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		116219		
41	64.7	51.0	76.4		
39	30.3	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 18.799 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 132215

Ion Ratio Lower Upper

76 100

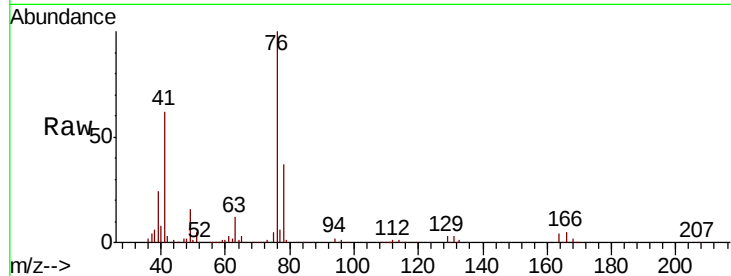
78 34.3 25.5 38.3

Manual Integrations

APPROVED

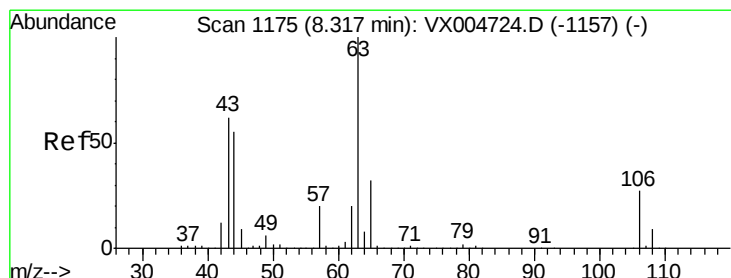
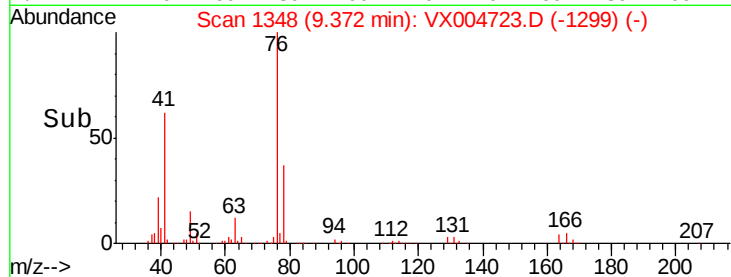
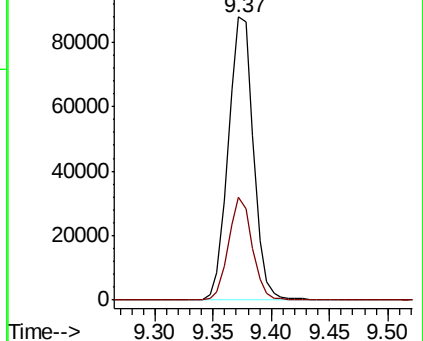
MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 86.131 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004723.D

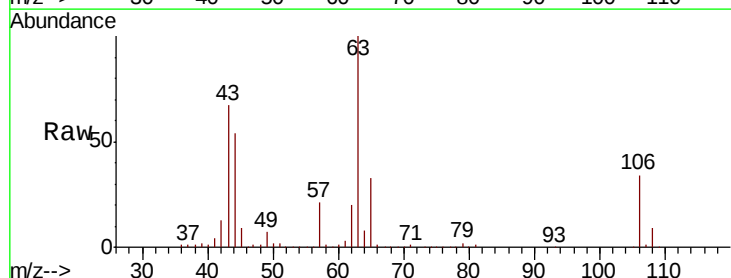
Acq: 26 Sep 2018 12:25

Tgt Ion: 63 Resp: 288146

Ion Ratio Lower Upper

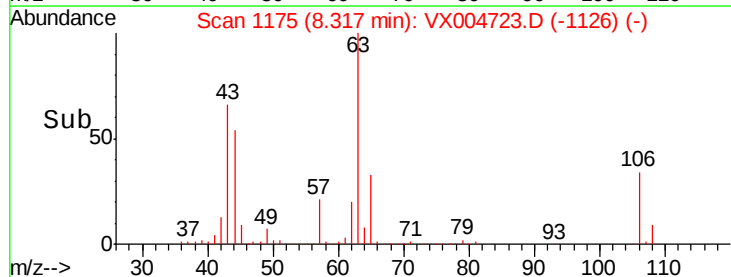
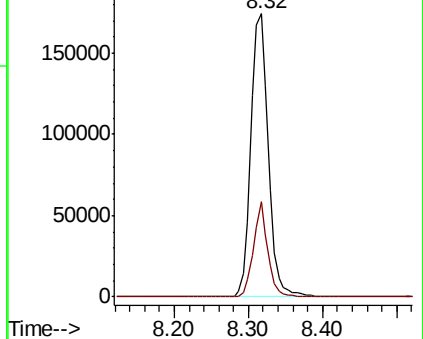
63 100

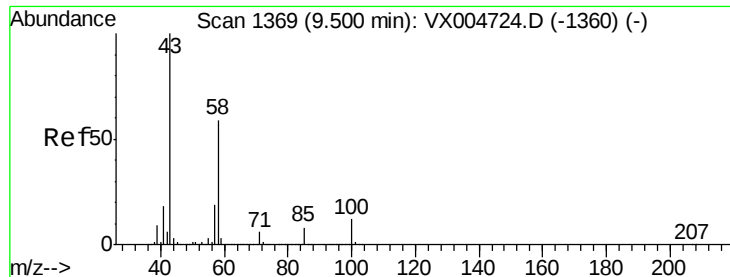
106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





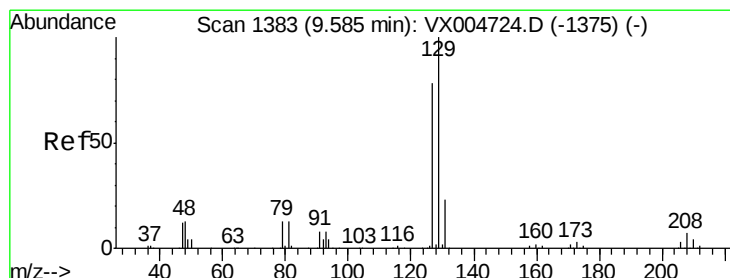
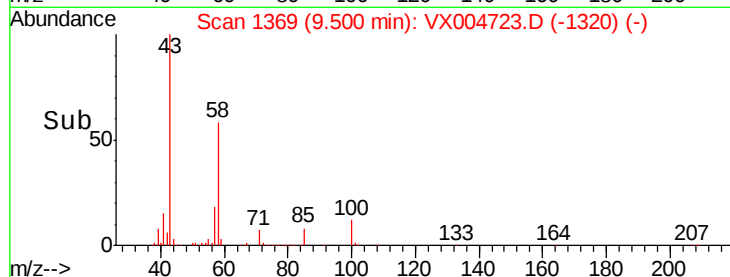
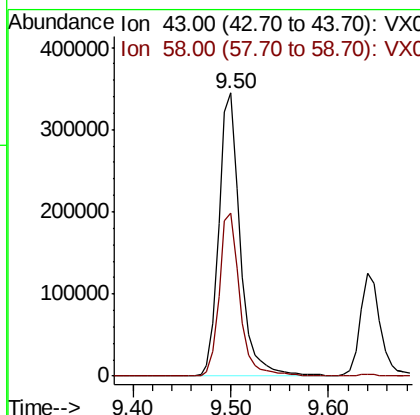
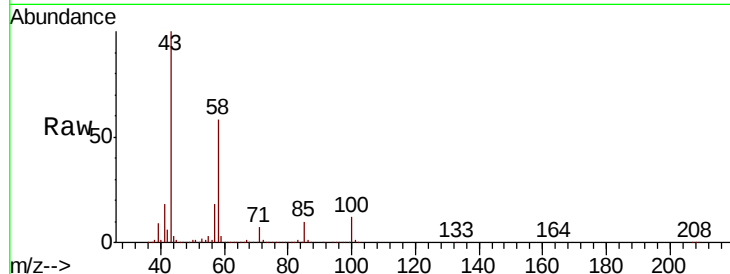
#59
2-Hexanone
Concen: 88.046 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	29.0	87.0

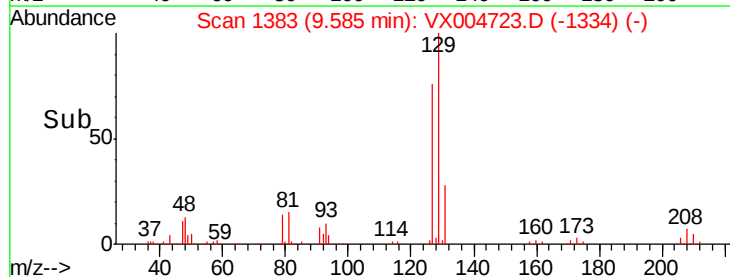
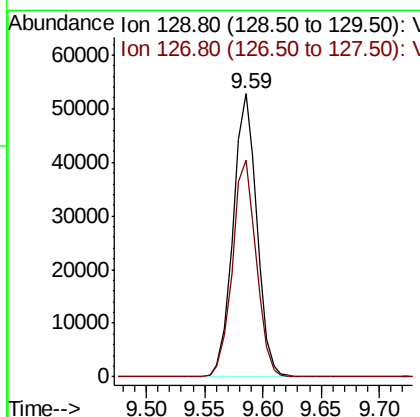
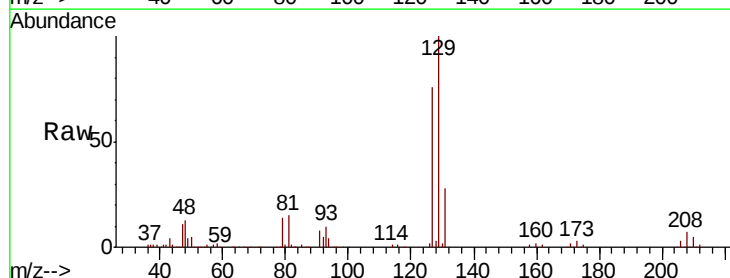
Manual Integrations
APPROVED

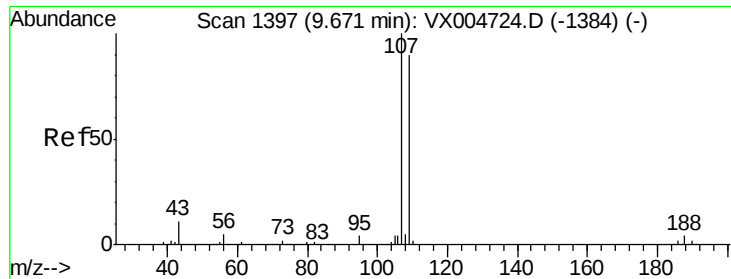
MMDadoda
10/1/2018 1:30:58 PM



#60
Dibromochloromethane
Concen: 16.731 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5





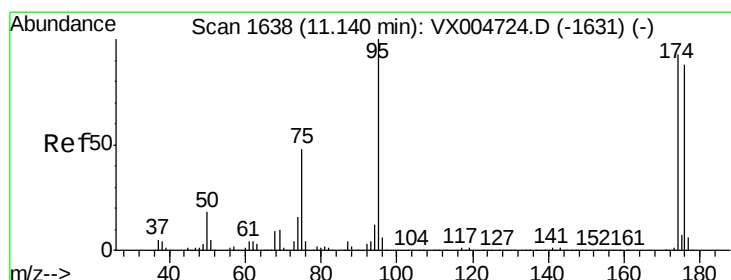
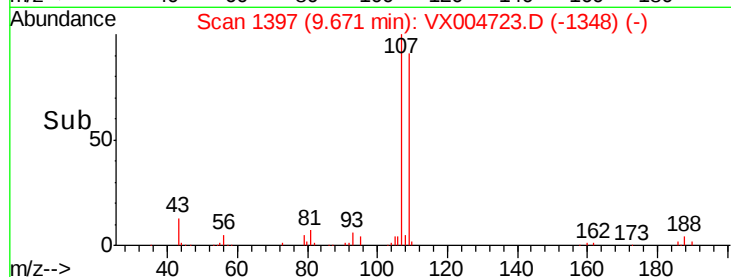
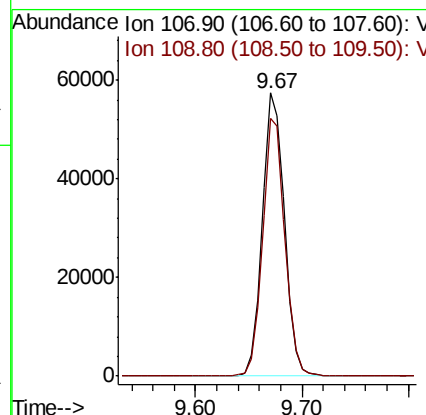
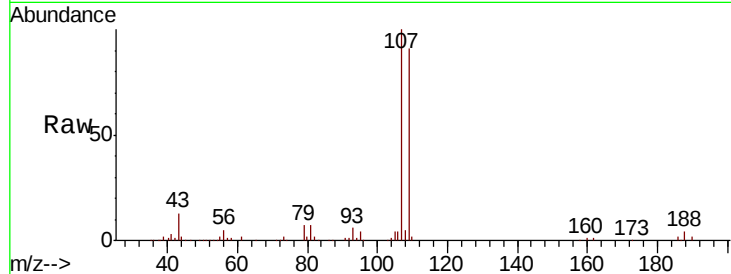
#61
 1,2-Dibromoethane
 Concen: 17.909 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	76.0	114.0

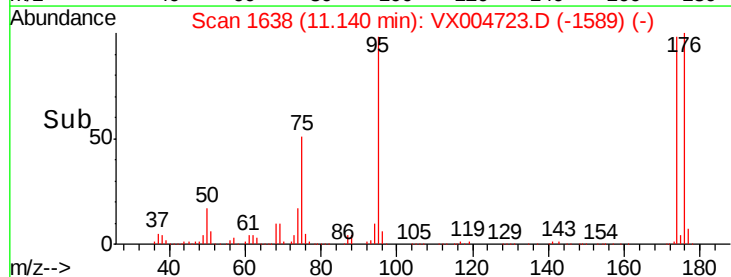
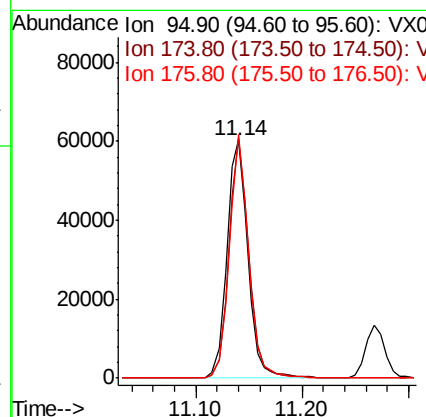
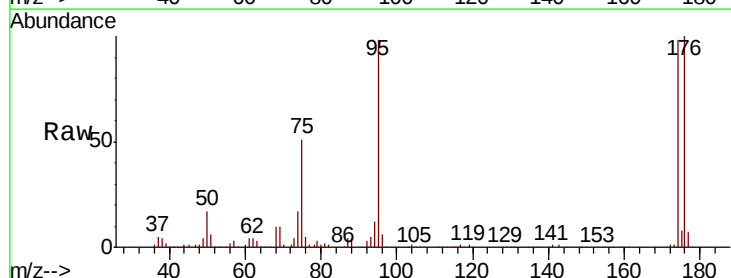
Manual Integrations
 APPROVED

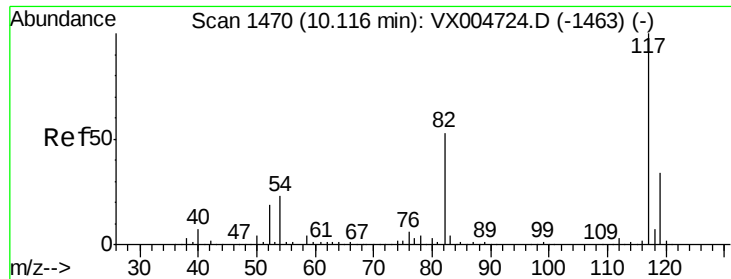
MMDadoda
 10/1/2018 1:30:58 PM



#62
 4-Bromofluorobenzene
 Concen: 18.393 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	185.2
176	94.2	0.0	178.6





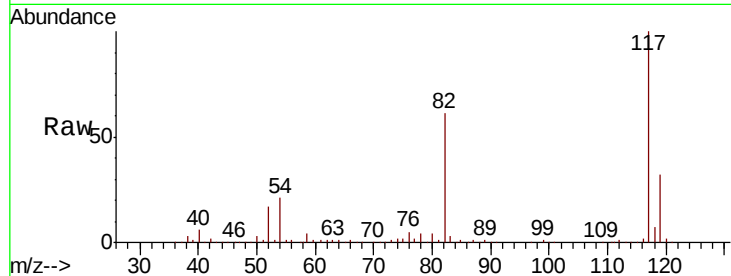
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	47.8	71.6
119	31.9	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM

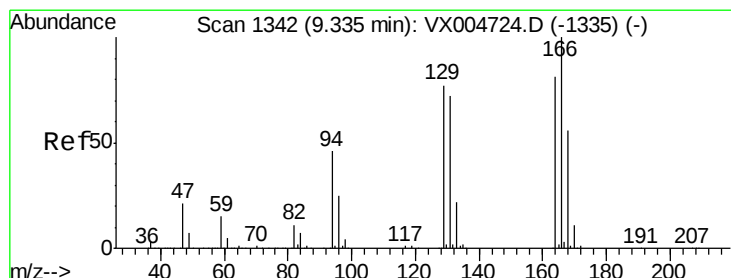
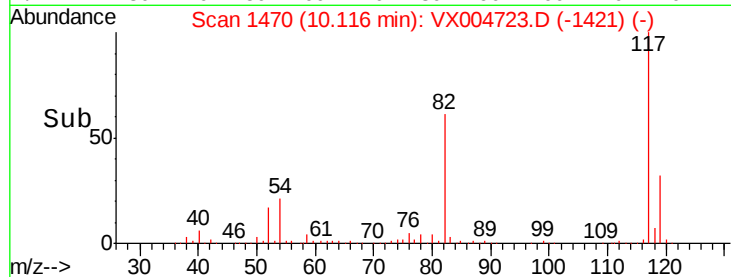
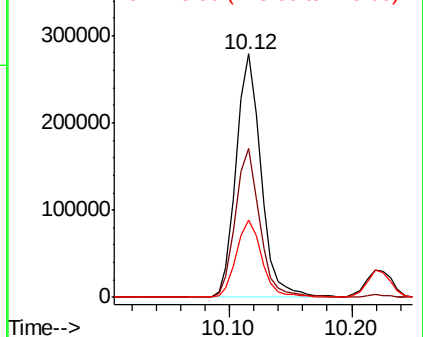


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.794 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	150.0	102.8	154.2
129	91.1	69.4	104.0
131	87.5	67.9	101.9

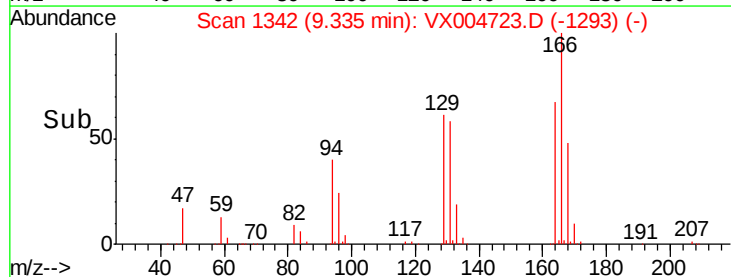
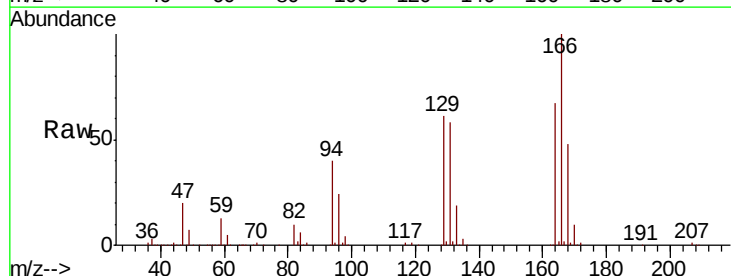
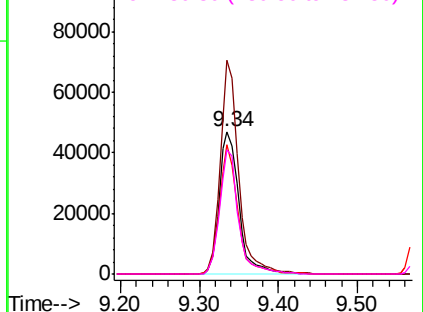
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.761 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 205041

Ion Ratio Lower Upper

112 100

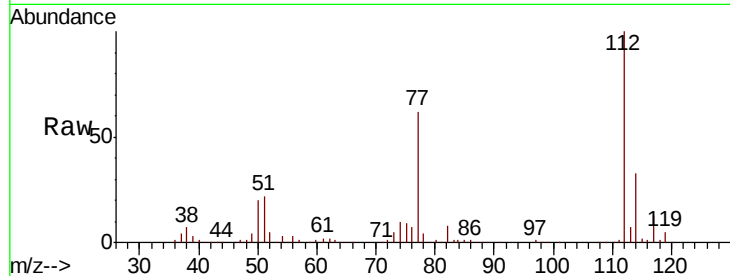
114 33.0 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

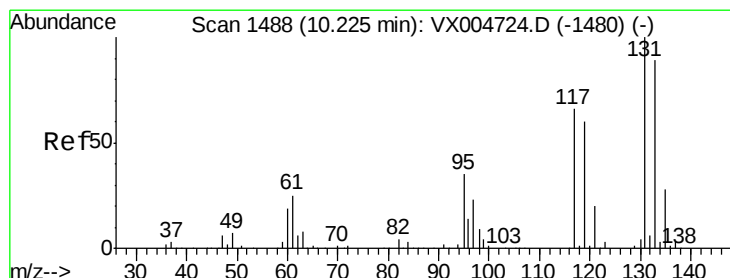
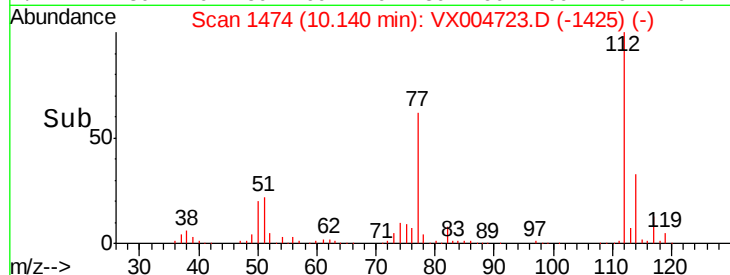
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 19.578 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

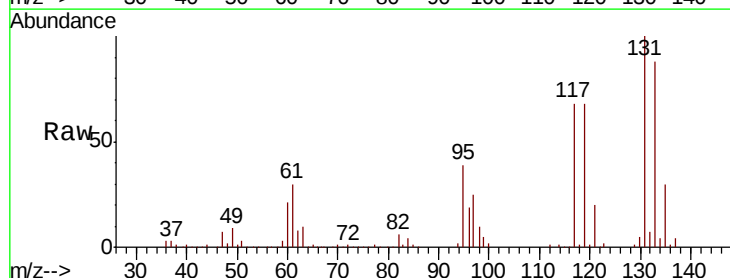
Tgt Ion:131 Resp: 67537

Ion Ratio Lower Upper

131 100

133 92.1 48.1 144.4

119 63.3 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

60000

50000

40000

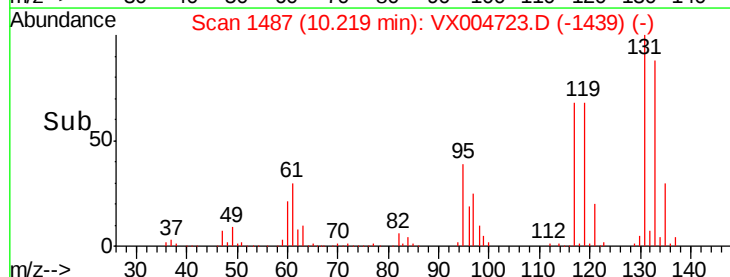
30000

20000

10000

0

Time--> 10.15 10.20 10.25 10.30





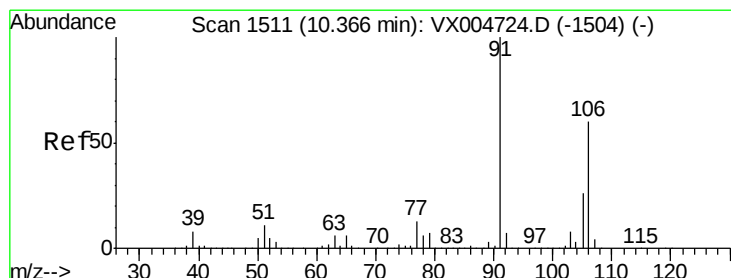
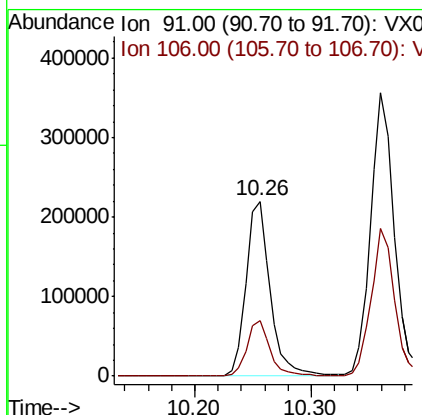
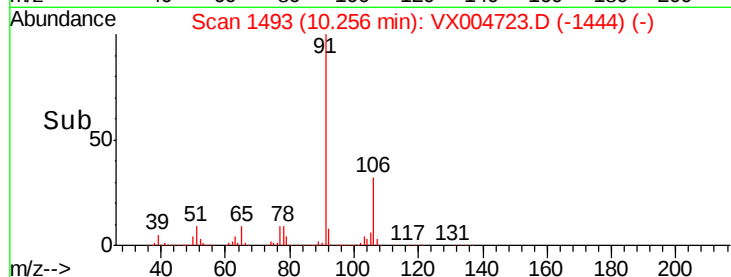
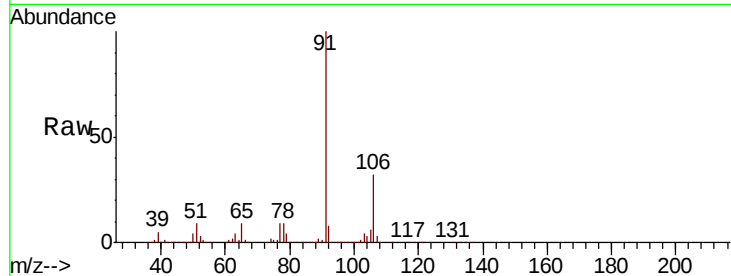
#67
Ethyl Benzene
Concen: 20.175 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9

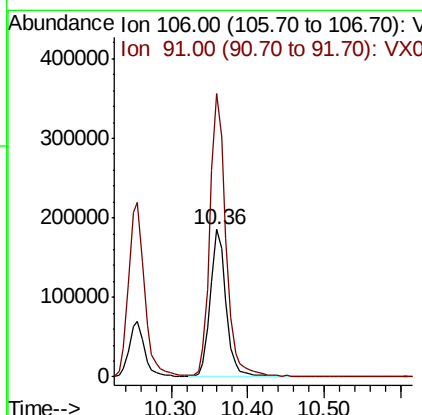
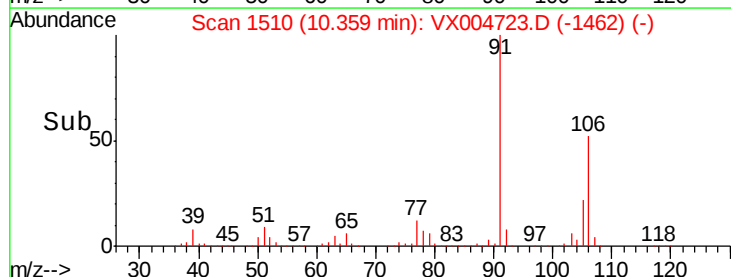
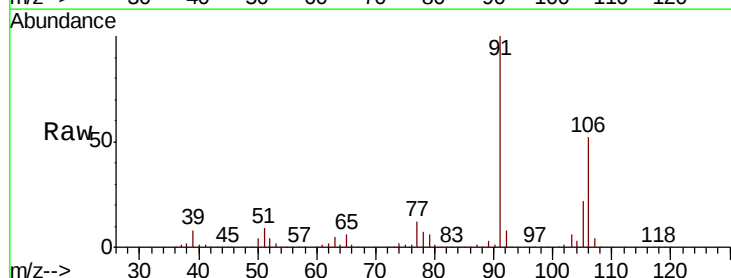
Manual Integrations
APPROVED

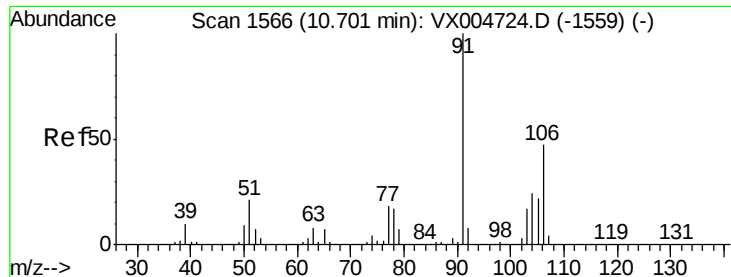
MMDadoda
10/1/2018 1:30:58 PM



#68
m/p-Xylenes
Concen: 41.170 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.6	157.1	235.7





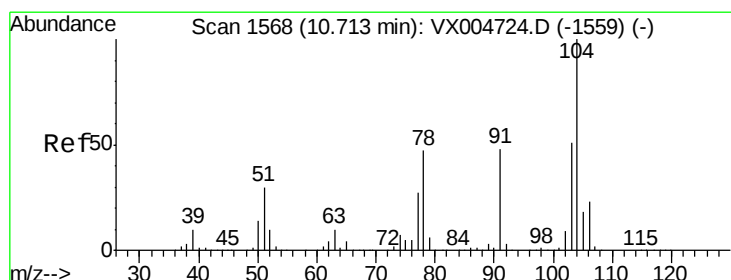
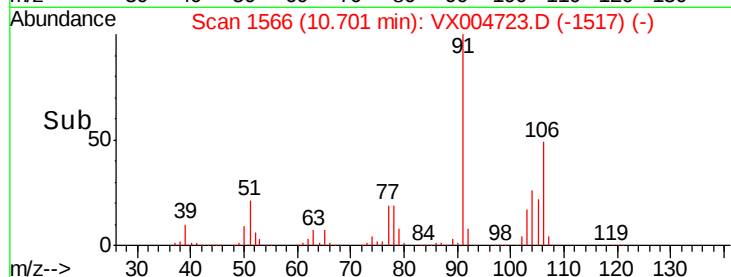
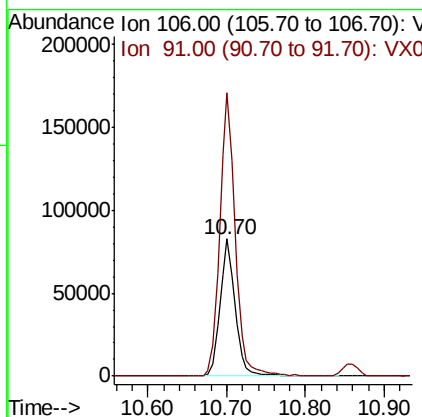
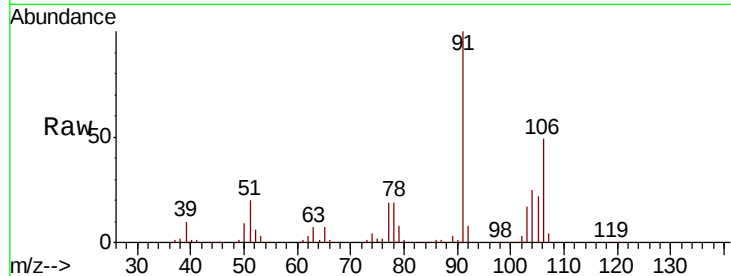
#69
o-Xylene
Concen: 18.962 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.0	105.1	315.1

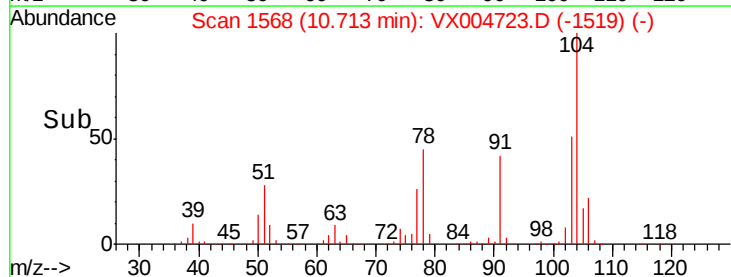
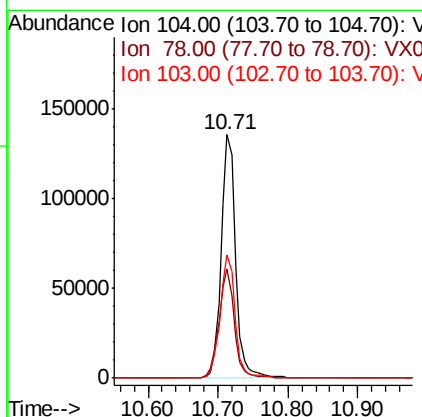
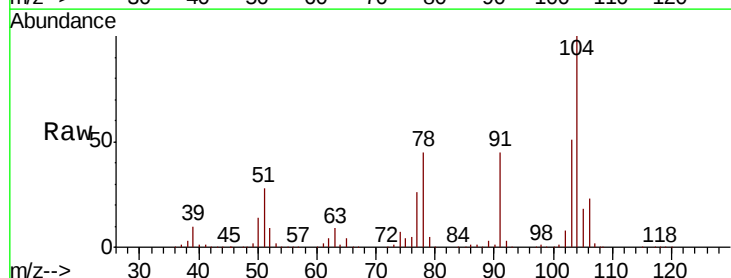
Manual Integrations
APPROVED

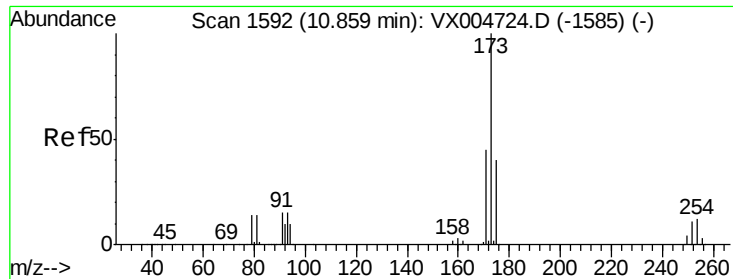
MMDadoda
10/1/2018 1:30:58 PM



#70
Styrene
Concen: 19.448 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.4	56.0
103	53.6	43.8	65.6





#71

Bromoform

Concen: 17.218 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

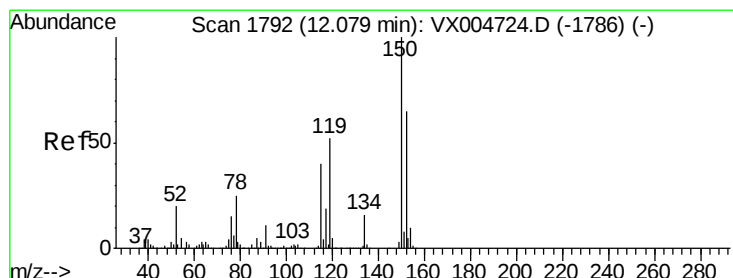
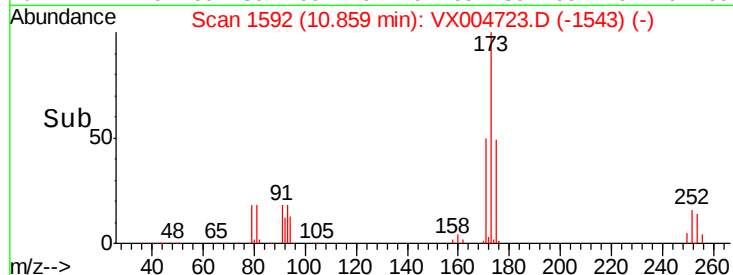
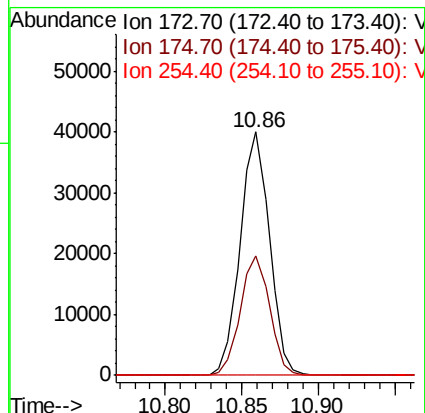
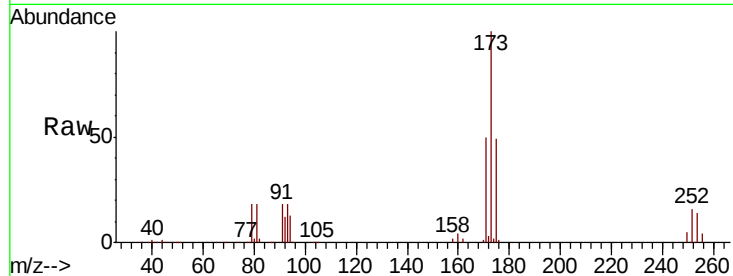
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

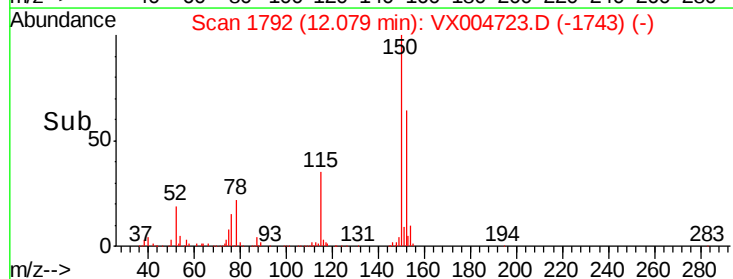
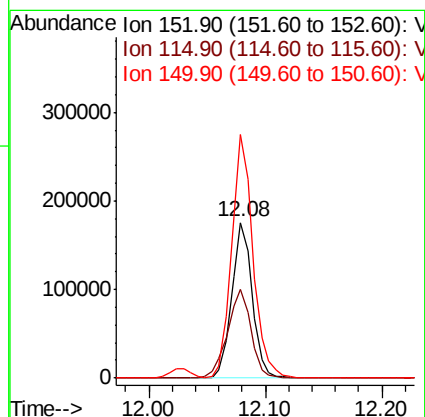
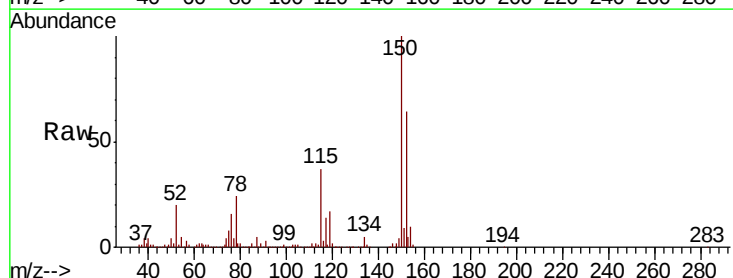
RT: 12.08 min Scan# 1792

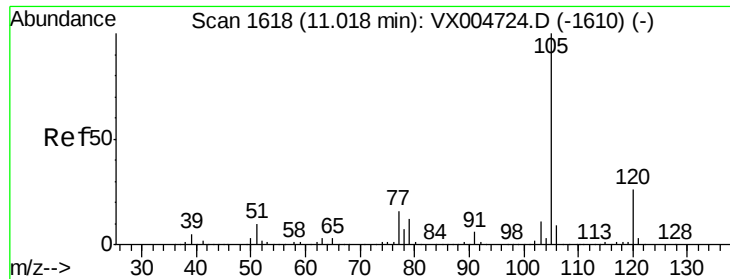
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.4	39.0	117.0
150	164.1	0.0	351.0





#73

Isopropylbenzene

Concen: 19.595 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 294795

Ion Ratio Lower Upper

105 100

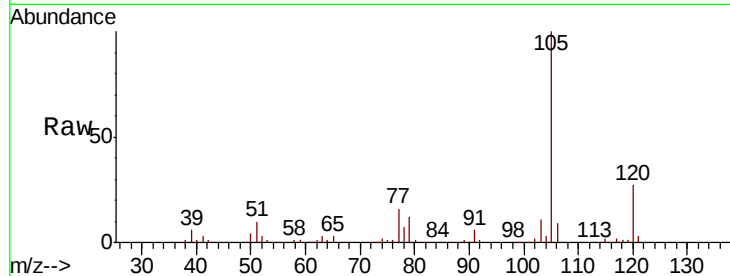
120 28.5 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

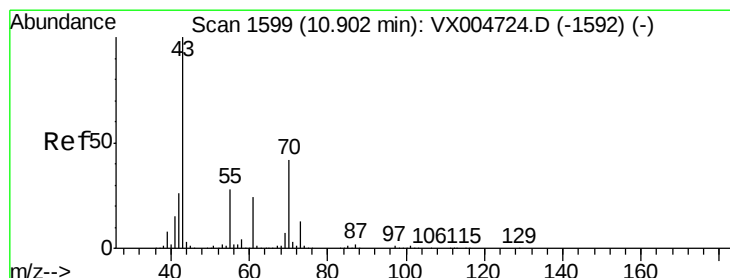
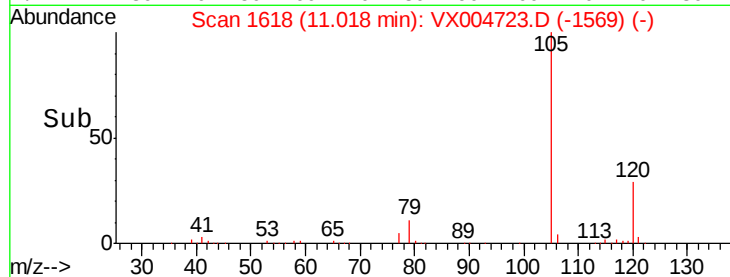
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 18.575 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion: 43 Resp: 136496

Ion Ratio Lower Upper

43 100

70 39.1 37.4 56.0

55 27.5 21.8 32.8

61 23.0 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

50000

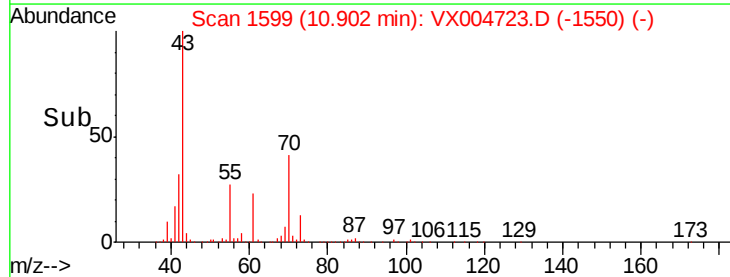
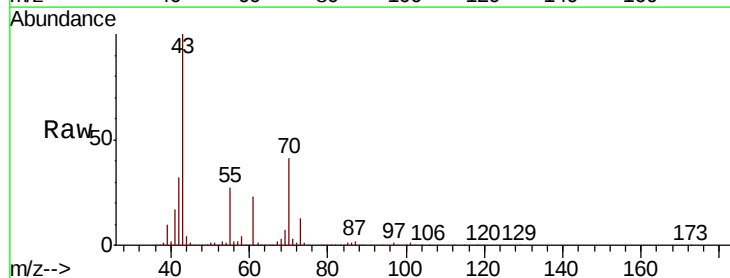
0

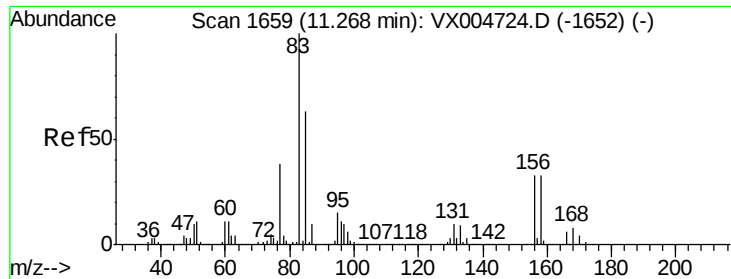
10.90

10.80

10.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

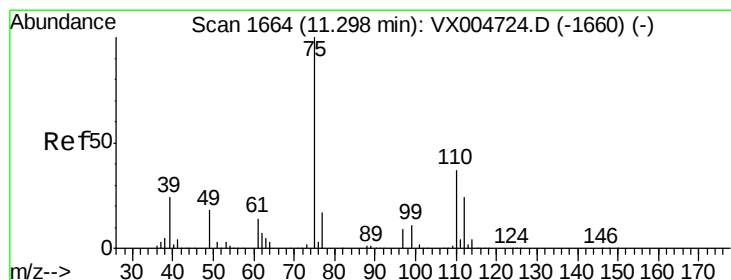
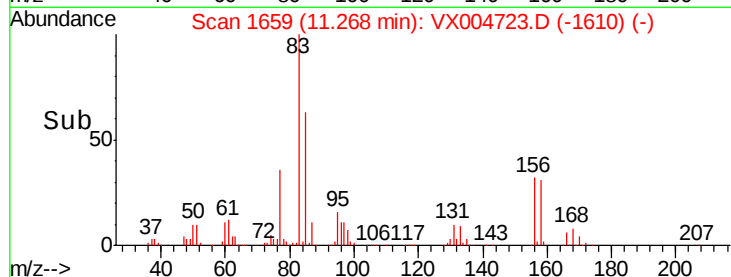
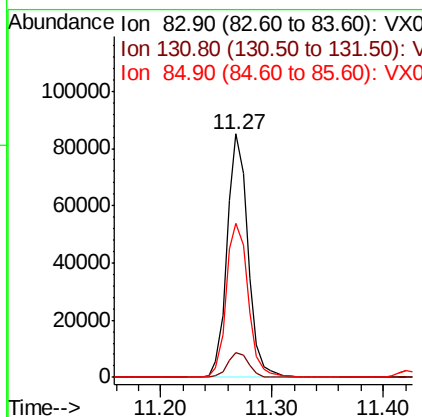
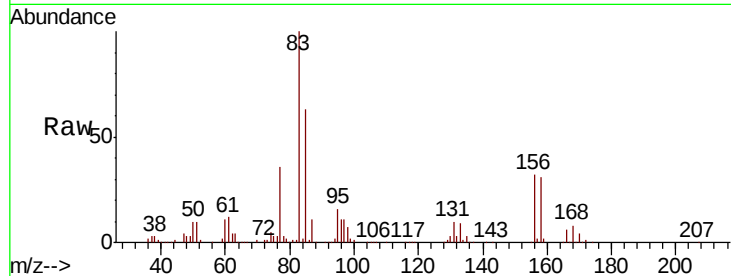
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	110491
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	66.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#76

1,2,3-Trichloropropane

Concen: 19.706 ug/l m

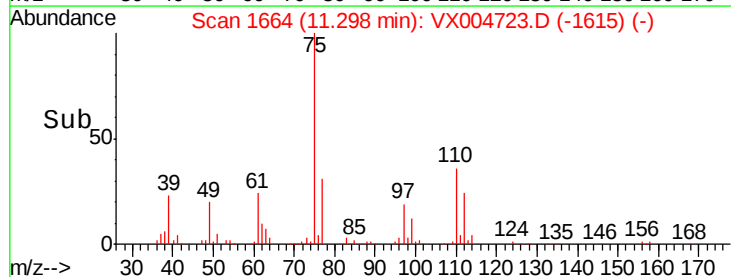
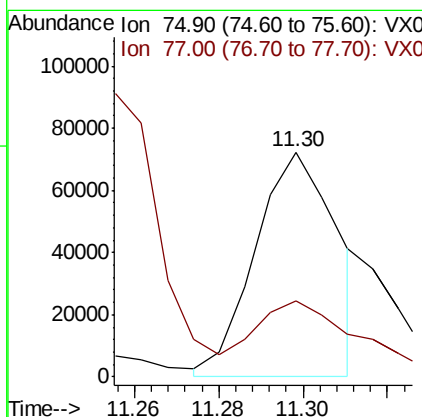
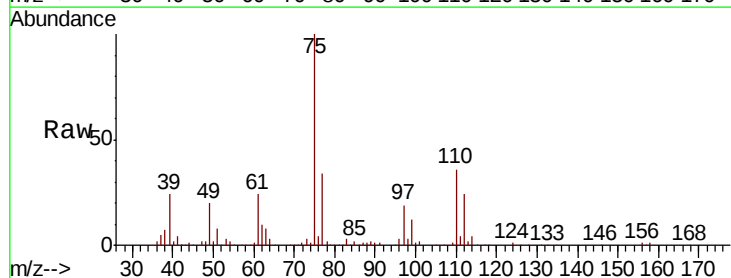
RT: 11.30 min Scan# 1664

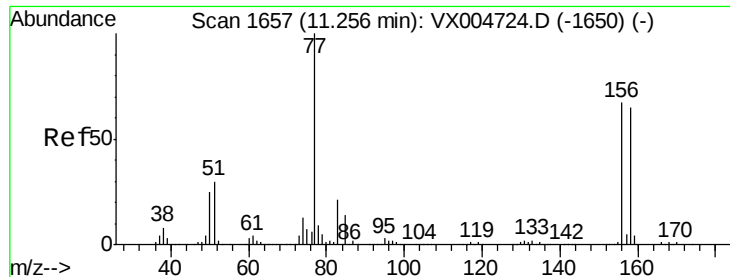
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion:	75	Resp:	97726
Ion Ratio	Lower	Upper	
75	100		
77	42.8	20.2	60.6





#77

Bromobenzene

Concen: 20.604 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 84132

Ion Ratio Lower Upper

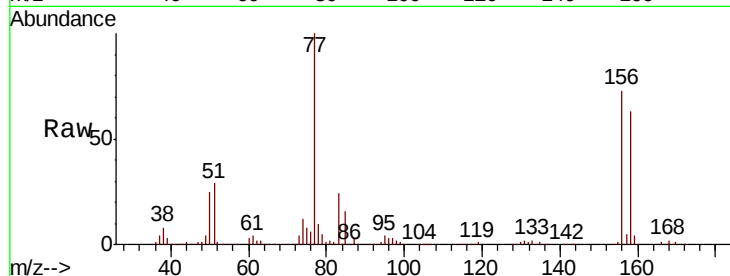
156 100

77 153.5 71.5 214.3

158 93.2 48.9 146.8

Manual Integrations
APPROVED

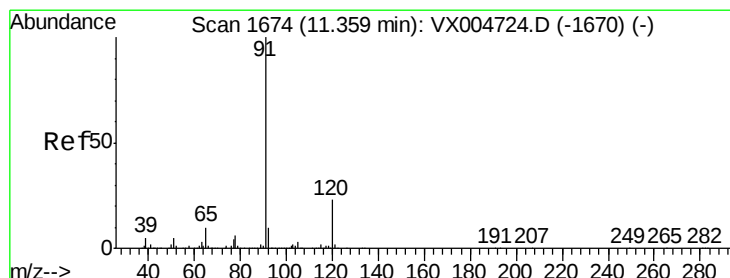
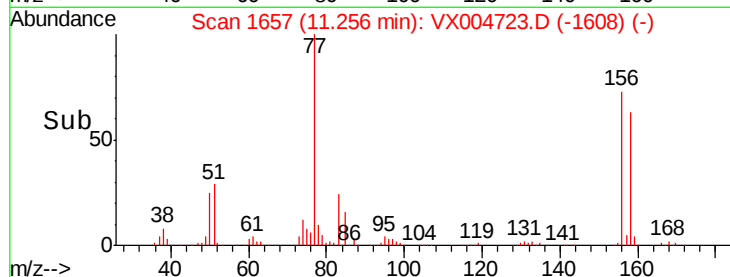
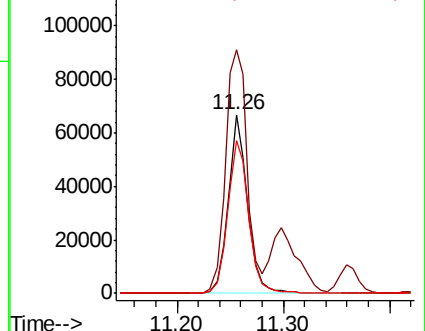
MMDadoda
10/1/2018 1:30:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.112 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004723.D

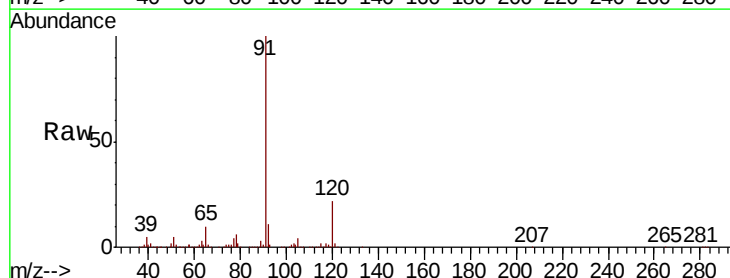
Acq: 26 Sep 2018 12:25

Tgt Ion: 91 Resp: 332479

Ion Ratio Lower Upper

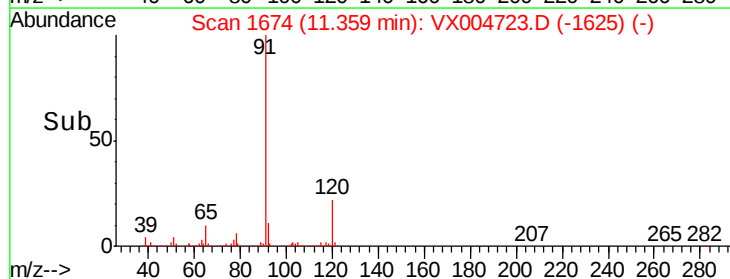
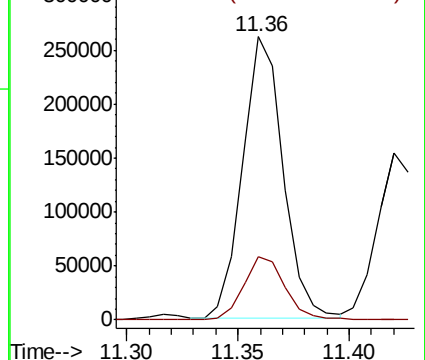
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.785 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 206593

Ion Ratio Lower Upper

91 100

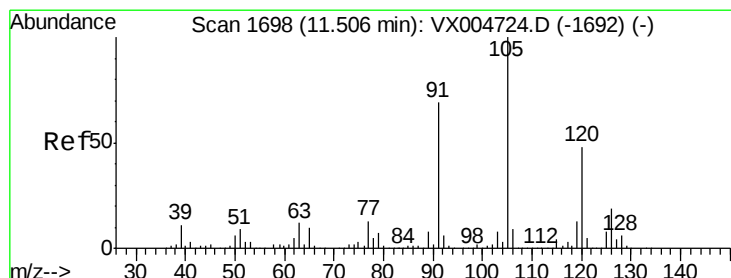
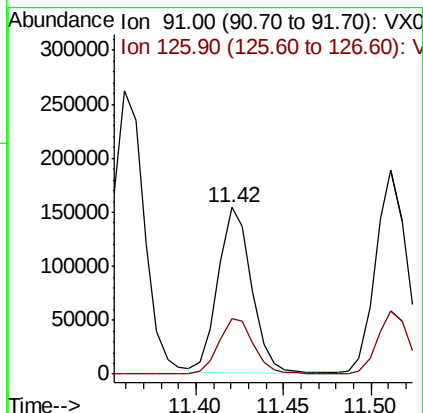
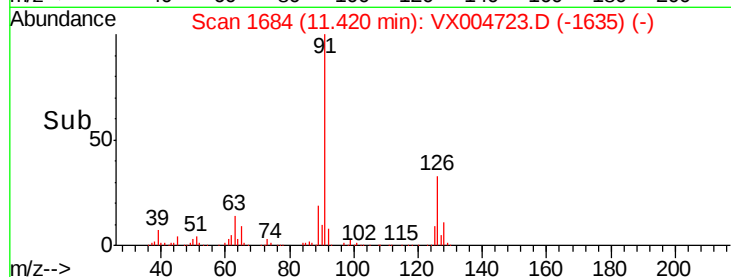
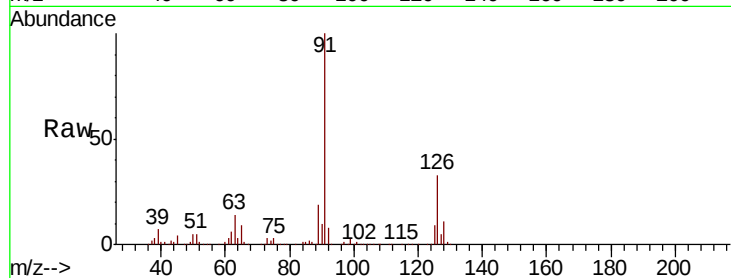
126 34.8 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:30:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.136 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004723.D

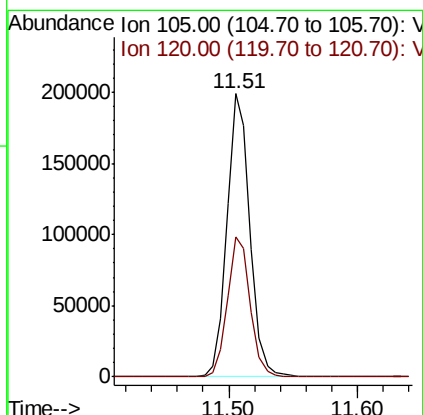
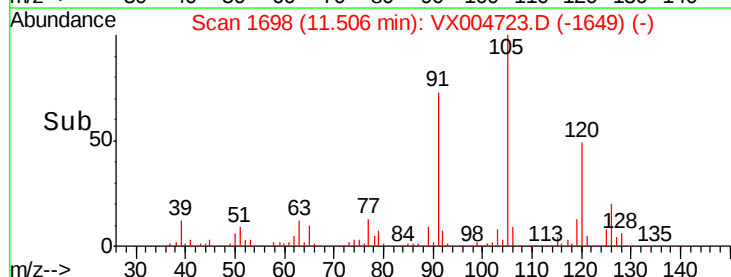
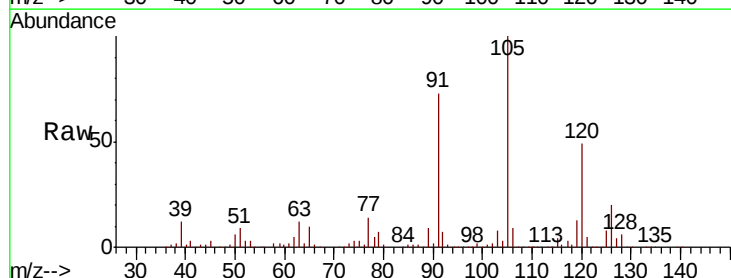
Acq: 26 Sep 2018 12:25

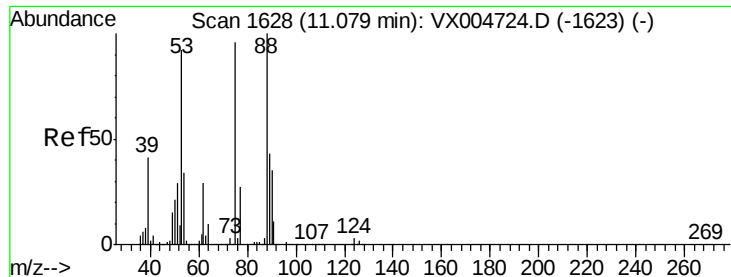
Tgt Ion: 105 Resp: 247941

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.508 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Instrument :

MSVOA_X

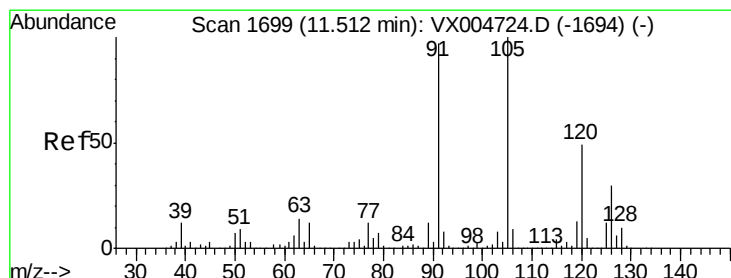
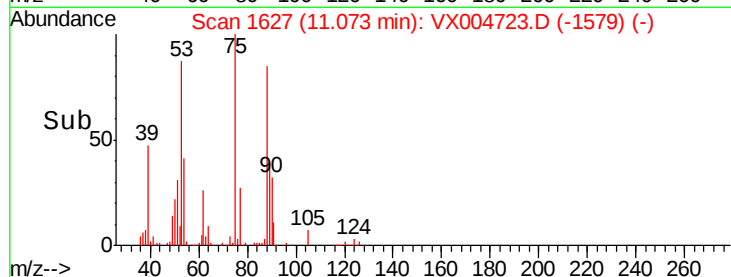
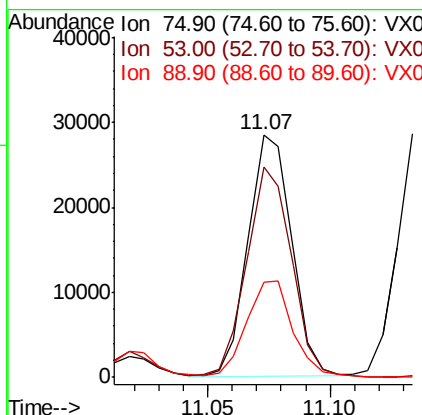
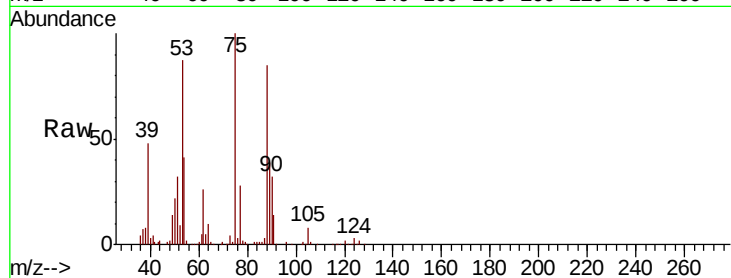
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	35435
Ion	Ratio	Lower	Upper
75	100		
53	89.4	80.1	120.1
89	42.9	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#82

4-Chlorotoluene

Concen: 19.454 ug/l

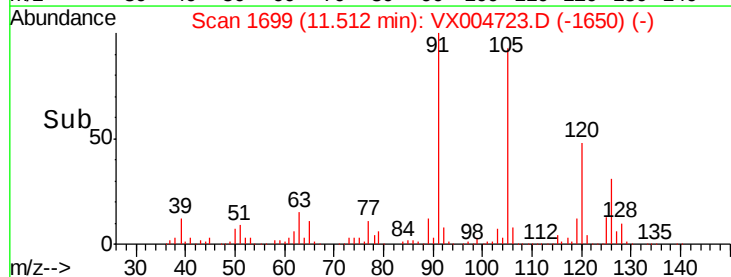
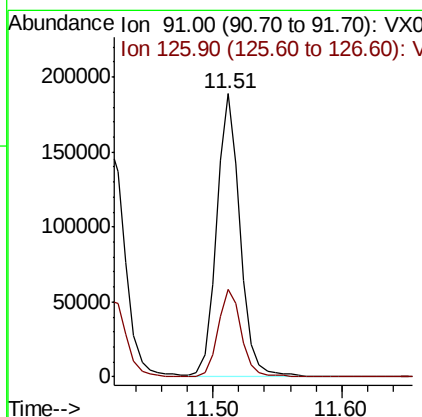
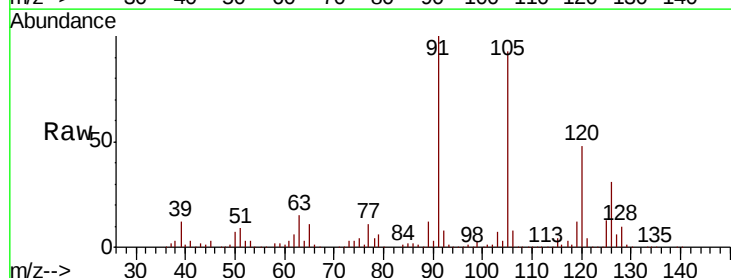
RT: 11.51 min Scan# 1699

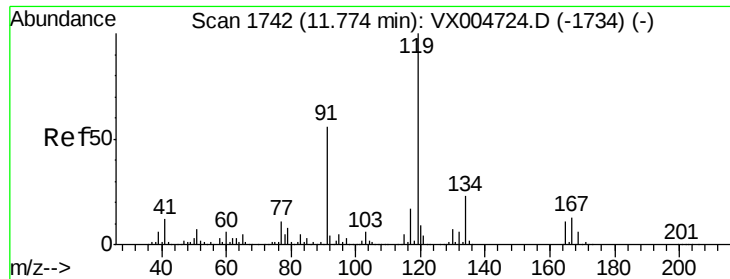
Delta R.T. -0.00 min

Lab File: VX004723.D

Acq: 26 Sep 2018 12:25

Tgt Ion:	91	Resp:	241612
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





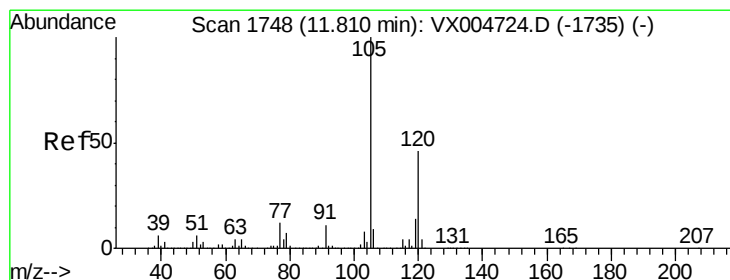
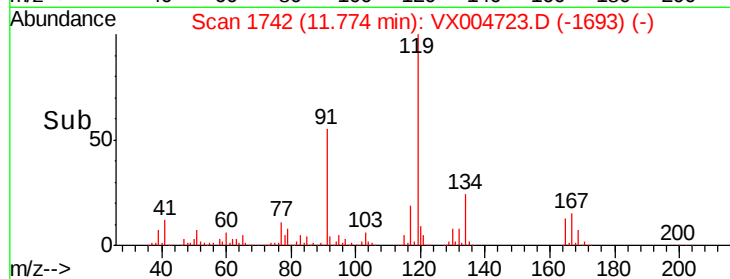
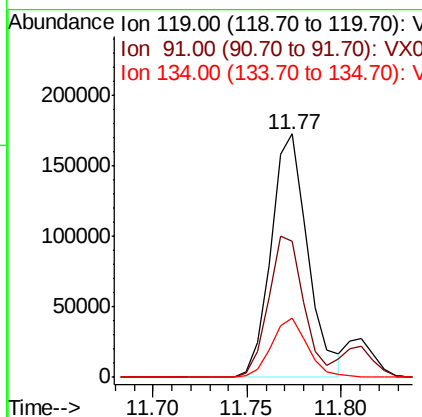
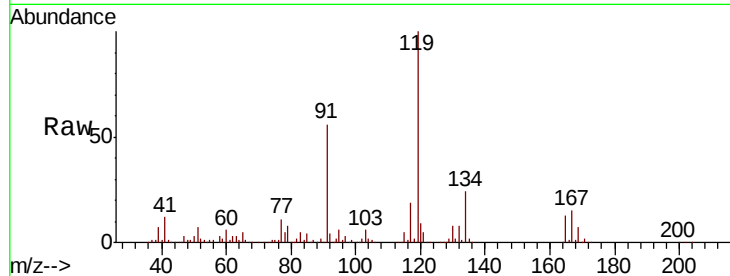
#83
tert-Butylbenzene
Concen: 18.921 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233254		
91	55.5	27.0	81.0	
134	23.9	11.7	35.1	

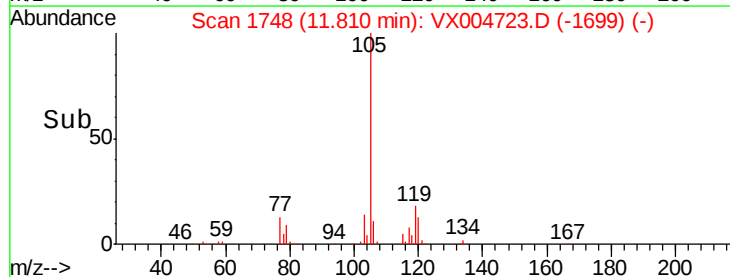
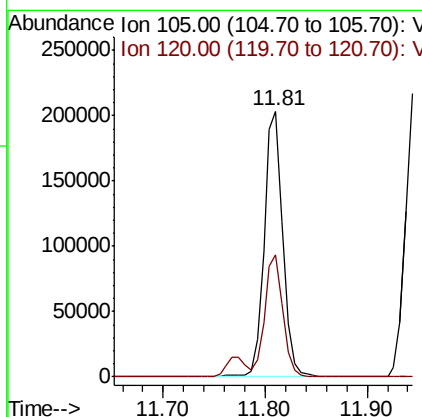
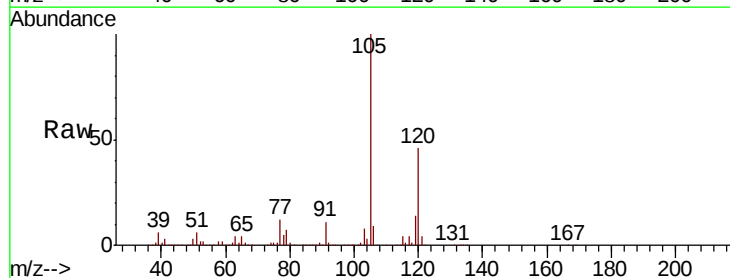
Manual Integrations
APPROVED

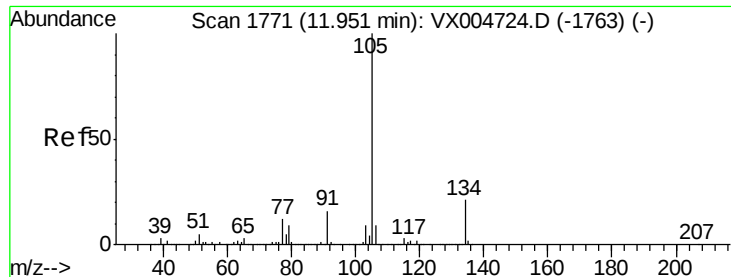
MMDadoda
10/1/2018 1:30:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.368 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258189		
120	45.1	23.2	69.6	





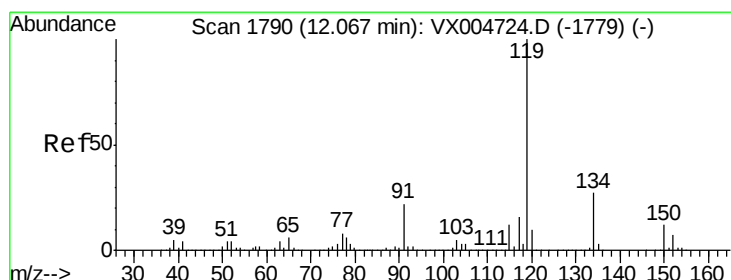
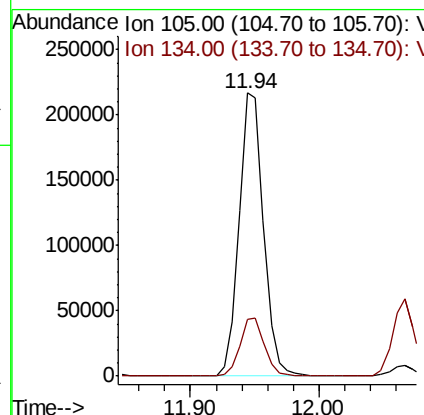
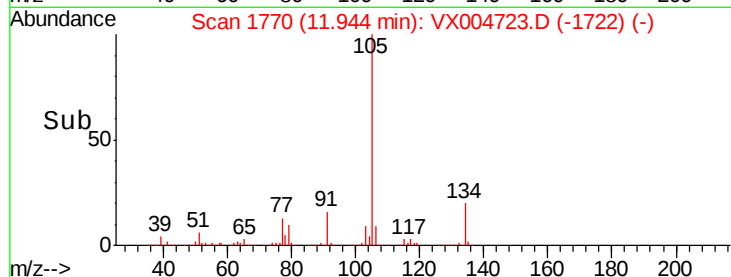
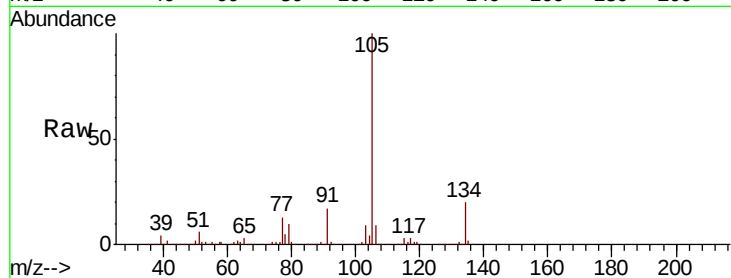
#85
 sec-Butylbenzene
 Concen: 19.090 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	286415		
134	20.4	10.5	31.5	

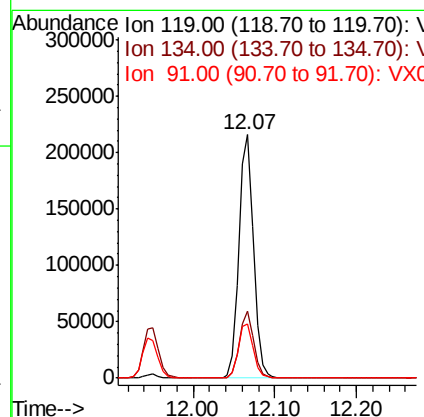
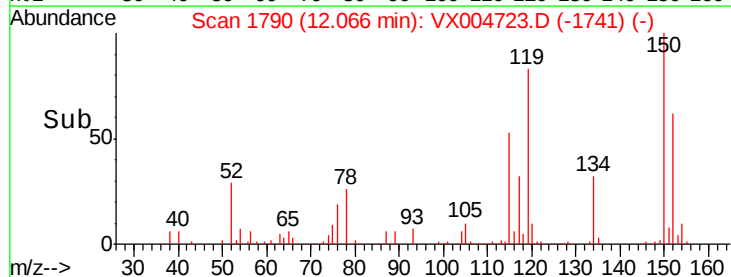
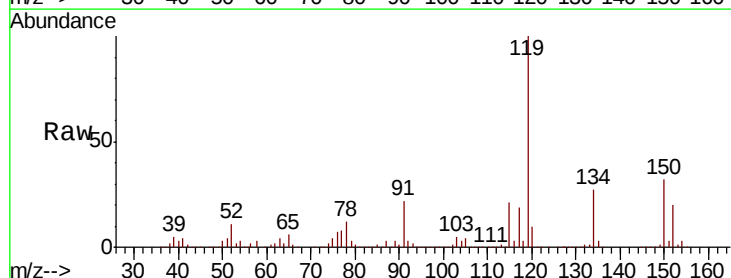
Manual Integrations
 APPROVED

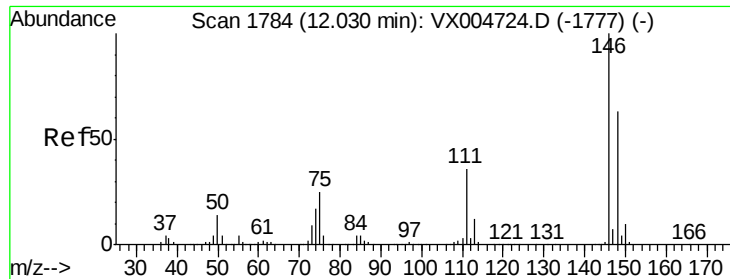
MMDadoda
 10/1/2018 1:30:58 PM



#86
 p-Isopropyltoluene
 Concen: 19.117 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	260672		
134	26.8	13.4	40.2	
91	22.9	10.9	32.7	





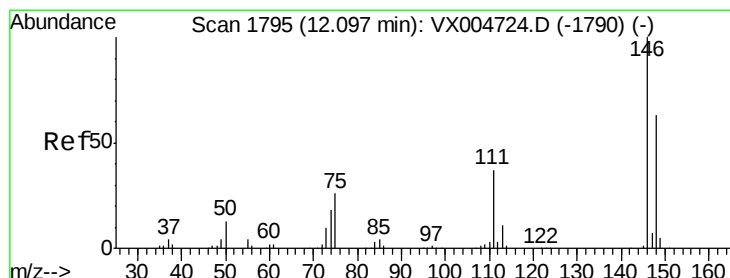
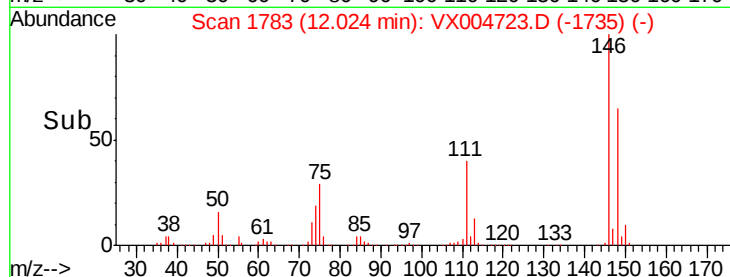
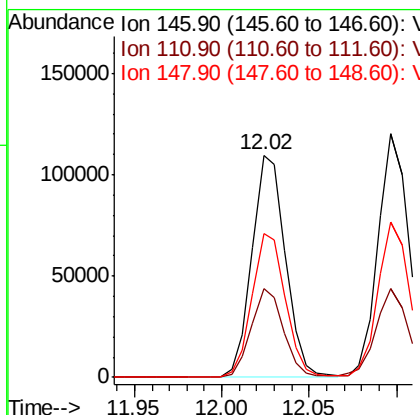
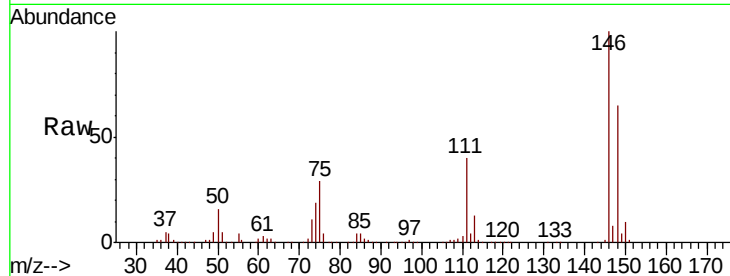
#87
 1,3-Dichlorobenzene
 Concen: 19.369 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	64.8	32.1	96.5

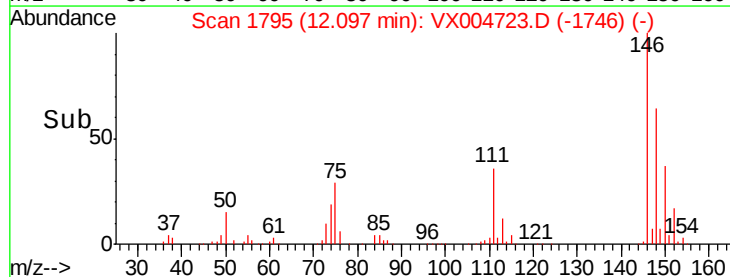
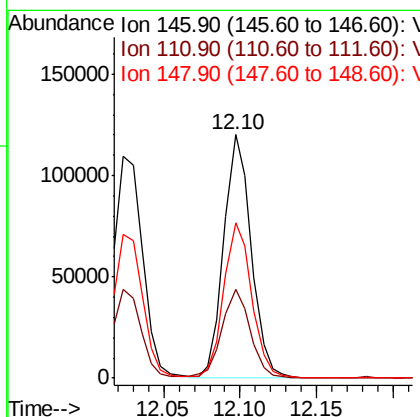
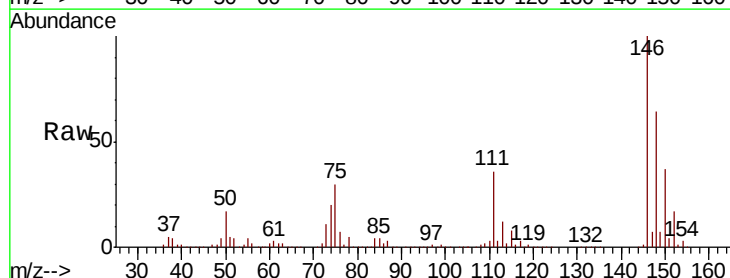
Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.541 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.1	32.0	96.0





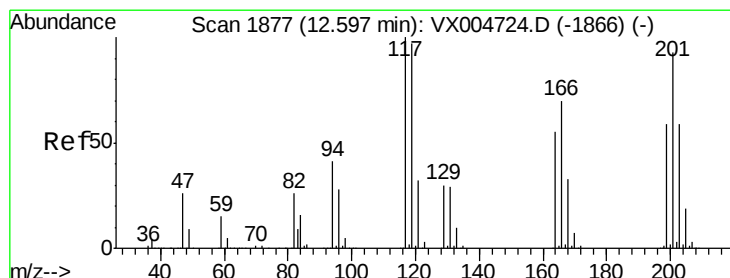
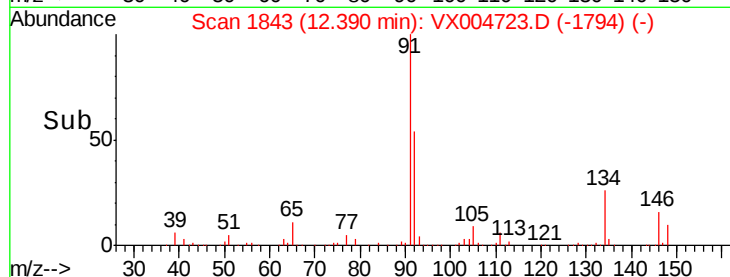
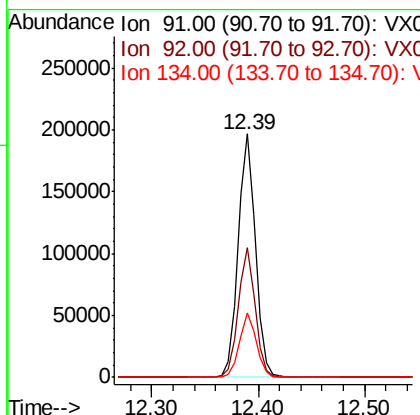
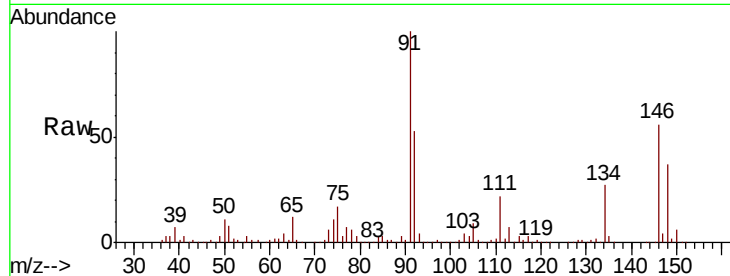
#89
n-Butylbenzene
Concen: 18.292 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.3	81.9
134	26.0	13.6	40.7

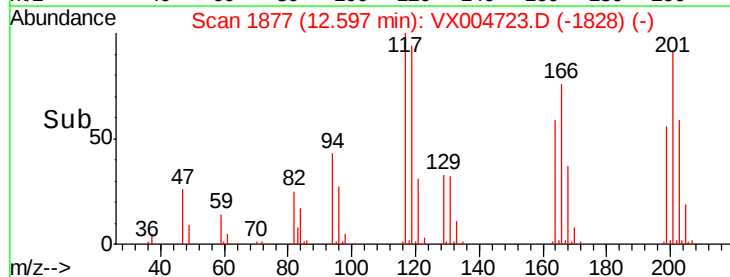
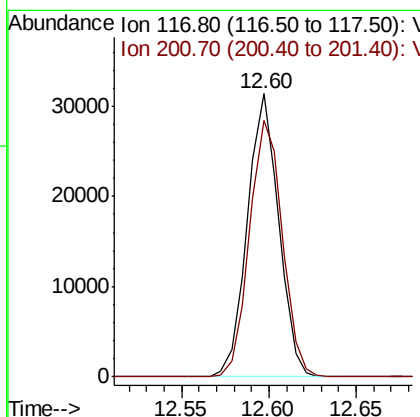
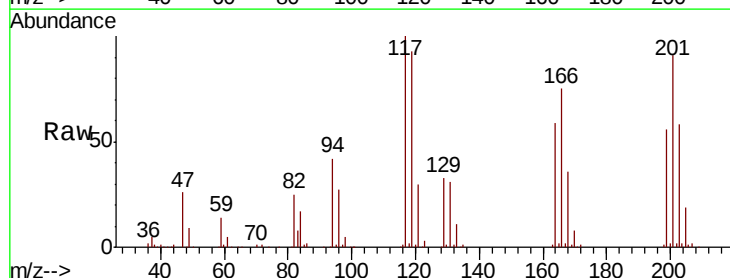
Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#90
Hexachloroethane
Concen: 19.123 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.9	140.6





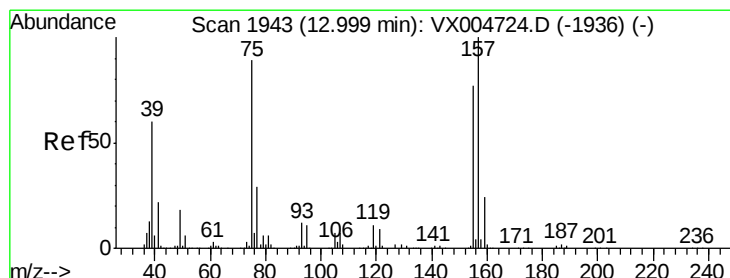
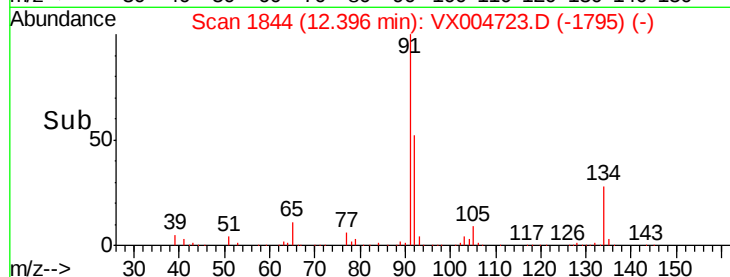
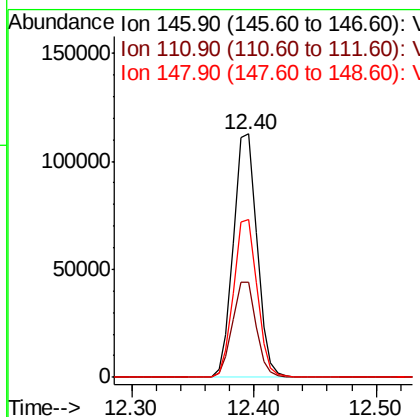
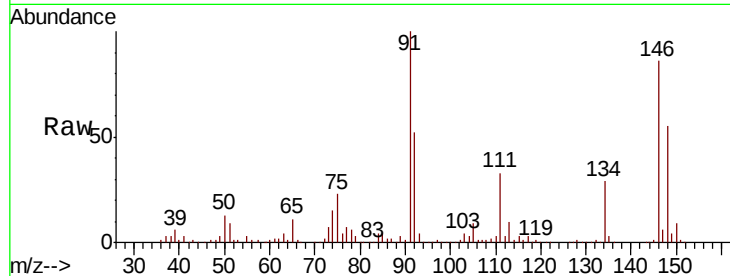
#91
 1,2-Dichlorobenzene
 Concen: 19.421 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	64.5	32.8	98.3

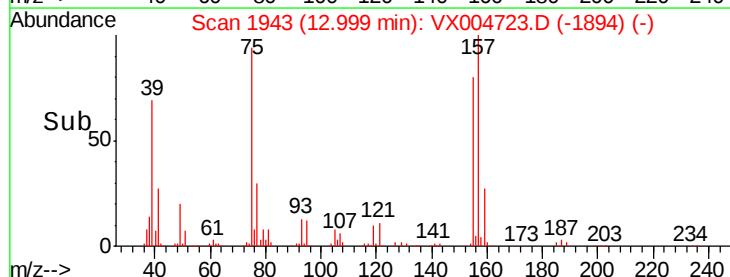
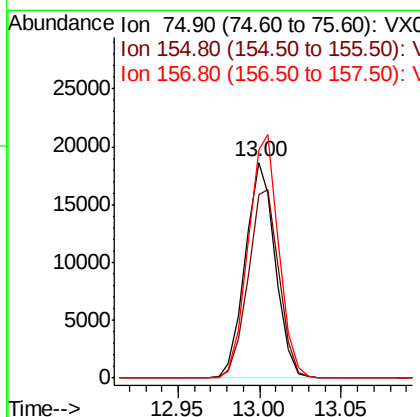
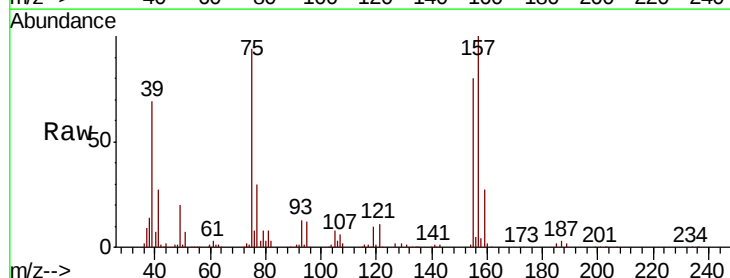
Manual Integrations
 APPROVED

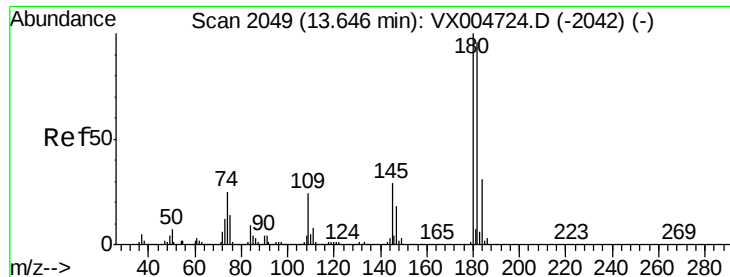
MMDadoda
 10/1/2018 1:30:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.582 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	48.0	144.2
157	114.5	61.4	184.1





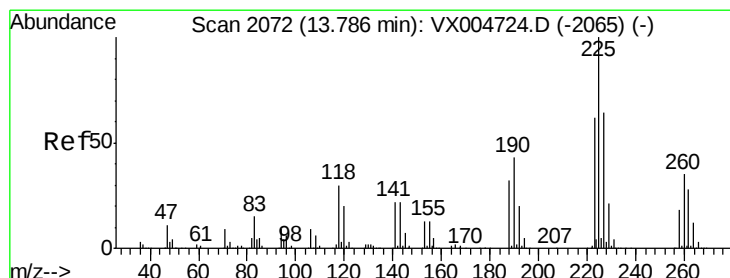
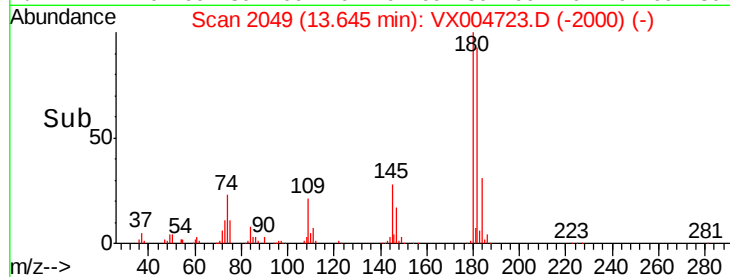
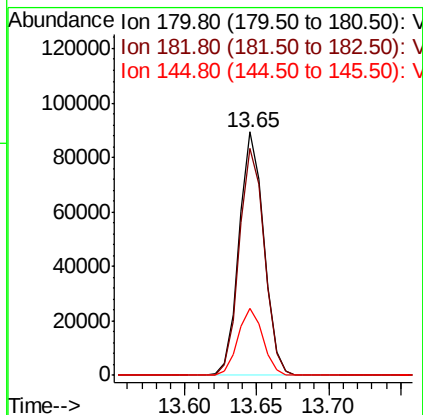
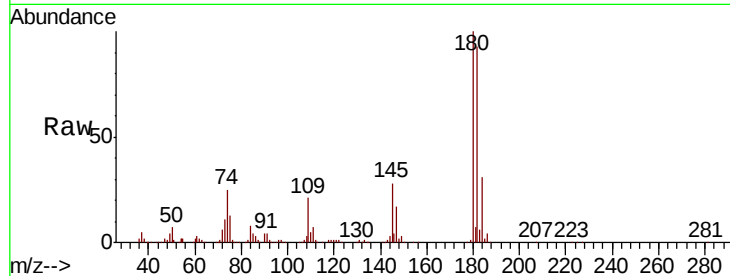
#93
 1,2,4-Trichlorobenzene
 Concen: 18.790 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	106759
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.4	145.0
145	27.8	14.3	42.9

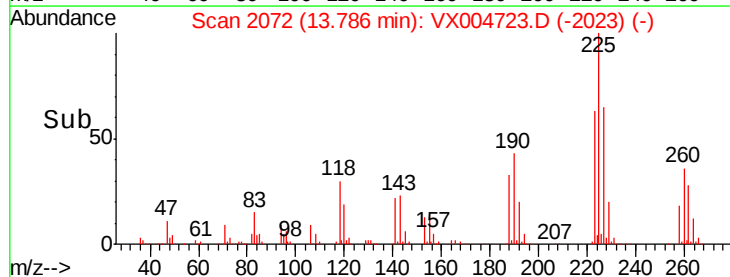
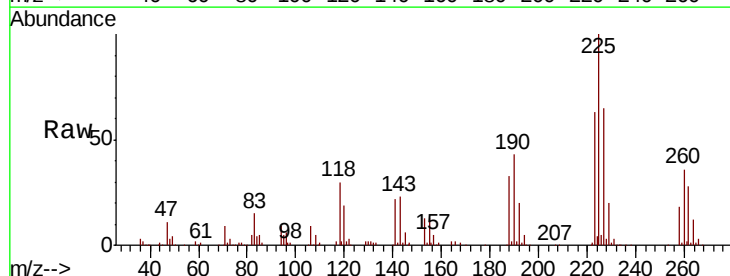
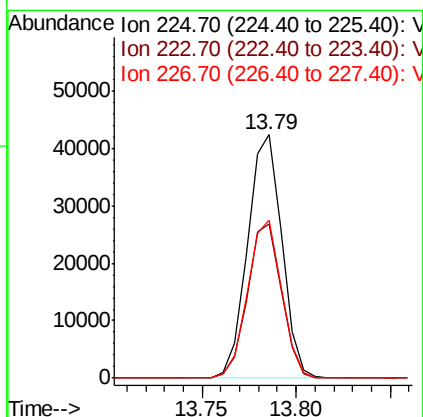
Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM



#94
 Hexachlorobutadiene
 Concen: 19.537 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004723.D
 Acq: 26 Sep 2018 12:25

Tgt Ion:	225	Resp:	53273
Ion Ratio	Lower	Upper	
225	100		
223	63.4	30.1	90.5
227	64.7	30.8	92.4





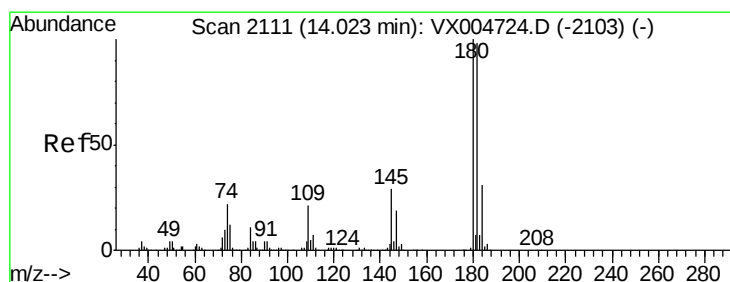
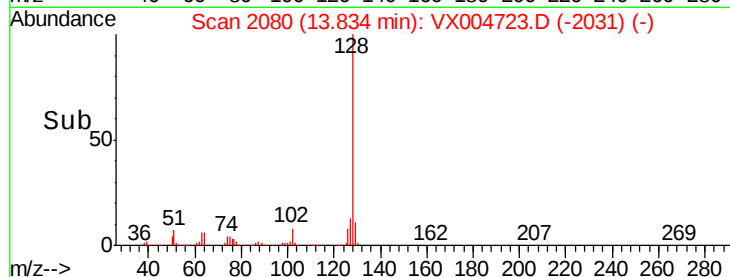
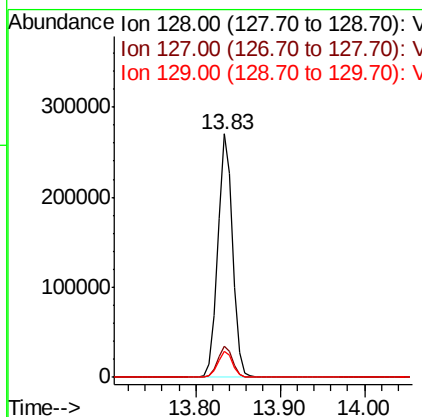
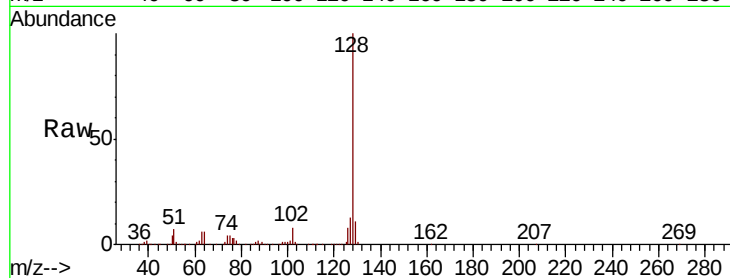
#95
Naphthalene
Concen: 17.993 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	327908
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:30:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.794 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004723.D
Acq: 26 Sep 2018 12:25

Tgt Ion:	180	Resp:	110031
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.6
145	29.2	14.9	44.9

