

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009200.D
 Acq On : 29 Apr 2019 11:47
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:18 AM

Quant Time: Apr 30 07:00:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	1909	0.868 ug/l	90
3) Chloromethane	1.32	50	2852	1.030 ug/l	95
4) Vinyl Chloride	1.40	62	2541	0.945 ug/l	94
6) Chloroethane	1.72	64	1732	1.086 ug/l	98
7) Trichlorofluoromethane	1.93	101	3216	1.019 ug/l	91
8) Diethyl Ether	2.18	74	1596	1.098 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1911	0.945 ug/l	96
12) 1,1-Dichloroethene	2.37	96	1868	0.888 ug/l	91
14) Allyl chloride	2.73	41	5143	1.115 ug/l	93
15) Acrylonitrile	3.14	53	8434	5.383 ug/l	98
16) Acetone	2.44	43	8235	5.700 ug/l	99
17) Carbon Disulfide	2.57	76	5685	0.877 ug/l #	95
18) Methyl Acetate	2.77	43	3808	1.054 ug/l	92
19) Methyl tert-butyl Ether	3.19	73	7628	1.011 ug/l	94
20) Methylene Chloride	2.85	84	2873	1.160 ug/l #	85
21) trans-1,2-Dichloroethene	3.16	96	2175	0.968 ug/l	84
22) Diisopropyl ether	3.85	45	9390	1.044 ug/l	94
23) Vinyl Acetate	3.81	43	36065	4.585 ug/l	99
24) 1,1-Dichloroethane	3.69	63	4676	1.038 ug/l #	96
25) 2-Butanone	4.67	43	11305	4.902 ug/l #	90
26) 2,2-Dichloropropane	4.57	77	3399	1.006 ug/l #	74
27) cis-1,2-Dichloroethene	4.59	96	2581	1.008 ug/l	94
28) Bromochloromethane	5.02	49	2407	1.136 ug/l #	96
29) Tetrahydrofuran	5.13	42	7414	4.808 ug/l	94
30) Chloroform	5.20	83	4101	1.016 ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	3514	1.052 ug/l #	49
36) 1,1-Dichloropropene	5.79	75	3176	0.988 ug/l	92
37) Ethyl Acetate	4.83	43	4190	1.013 ug/l #	94
38) Carbon Tetrachloride	5.78	117	2841	1.038 ug/l #	87
39) Methylcyclohexane	7.46	83	3811	0.975 ug/l	97
40) Benzene	6.13	78	9742	1.024 ug/l	98
41) Methacrylonitrile	5.04	41	2866	1.200 ug/l #	95
42) 1,2-Dichloroethane	6.20	62	3673	1.089 ug/l	89
43) Isopropyl Acetate	6.44	43	6638	0.992 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009200.D
 Acq On : 29 Apr 2019 11:47
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:18 AM

Quant Time: Apr 30 07:00:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	2502	1.075	ug/l	82
45) 1,2-Dichloropropane	7.51	63	2761	1.044	ug/l	99
46) Dibromomethane	7.66	93	1694	1.102	ug/l	99
47) Bromodichloromethane	7.90	83	3173	1.050	ug/l	87
48) Methyl methacrylate	7.77	41	3224	0.975	ug/l	98
49) 1,4-Dioxane	7.74	88	1472	23.281	ug/l #	84
51) 4-Methyl-2-Pentanone	8.64	43	20967	4.899	ug/l	99
52) Toluene	8.79	92	5965	1.044	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	3082	0.891	ug/l #	81
54) cis-1,3-Dichloropropene	8.44	75	3672	0.945	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2307	1.016	ug/l #	88
56) Ethyl methacrylate	9.18	69	3805	0.935	ug/l #	90
57) 1,3-Dichloropropane	9.37	76	4248	1.054	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	10268	4.674	ug/l	98
59) 2-Hexanone	9.49	43	16600	5.005	ug/l	94
60) Dibromochloromethane	9.58	129	2116	0.972	ug/l	96
61) 1,2-Dibromoethane	9.67	107	2387	1.023	ug/l	98
64) Tetrachloroethene	9.33	164	2198	1.044	ug/l	91
65) Chlorobenzene	10.13	112	5914	1.001	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	2102	1.011	ug/l #	65
67) Ethyl Benzene	10.25	91	10910	1.012	ug/l	98
68) m/p-Xylenes	10.35	106	7726	1.965	ug/l	98
69) o-Xylene	10.69	106	3847	1.006	ug/l	96
70) Styrene	10.71	104	6512	0.980	ug/l	99
71) Bromoform	10.85	173	1662	1.001	ug/l #	92
73) Isopropylbenzene	11.02	105	10229	1.069	ug/l	100
74) N-amyl acetate	10.90	43	5559	1.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	3831	1.089	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	3326m	1.076	ug/l	
77) Bromobenzene	11.26	156	2490	1.031	ug/l	90
78) n-propylbenzene	11.36	91	11088	1.011	ug/l	100
79) 2-Chlorotoluene	11.42	91	7541	1.138	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	8193	1.019	ug/l	97
82) 4-Chlorotoluene	11.51	91	8113	1.055	ug/l	97
83) tert-Butylbenzene	11.77	119	8172	1.056	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	8194	1.001	ug/l	98
85) sec-Butylbenzene	11.94	105	9504	1.032	ug/l	100
86) p-Isopropyltoluene	12.06	119	8141	0.962	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	4457	1.050	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	4540m	1.054	ug/l	
89) n-Butylbenzene	12.38	91	7326	0.935	ug/l	100
90) Hexachloroethane	12.60	117	1410	1.009	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	4814	1.143	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	765	0.951	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	2929	0.968	ug/l	98
94) Hexachlorobutadiene	13.78	225	1639	1.086	ug/l	94
95) Naphthalene	13.83	128	9215	0.947	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	3043	1.015	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\
Data File : VX009200.D
Acq On : 29 Apr 2019 11:47
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

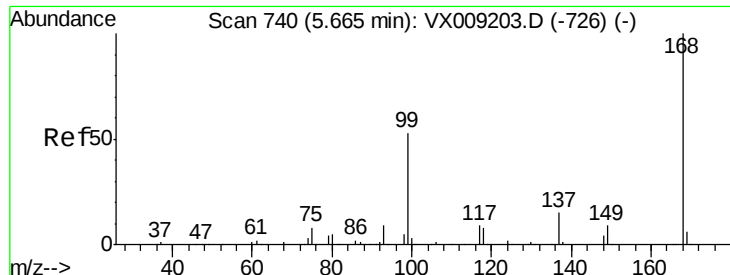
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM

Quant Time: Apr 30 07:00:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 06:38:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 198214

Ion Ratio Lower Upper

168 100

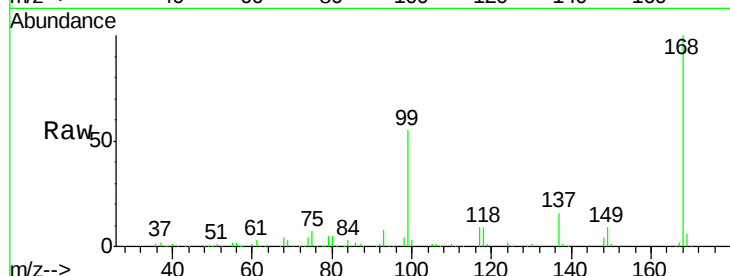
99 55.5 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

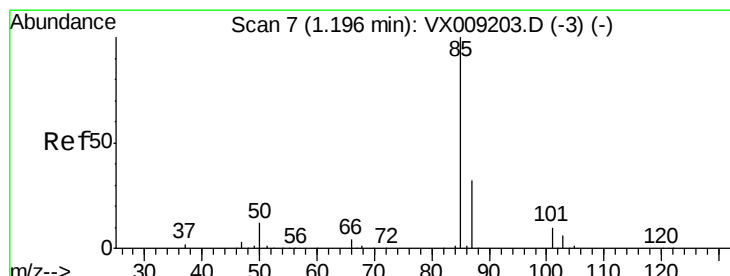
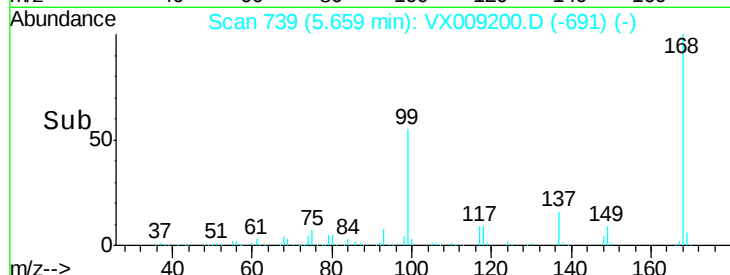
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.868 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009200.D

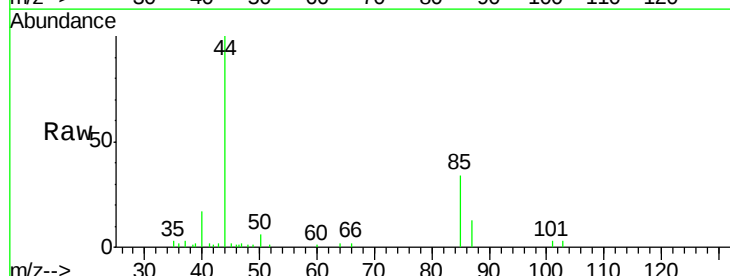
Acq: 29 Apr 2019 11:47

Tgt Ion: 85 Resp: 1909

Ion Ratio Lower Upper

85 100

87 37.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

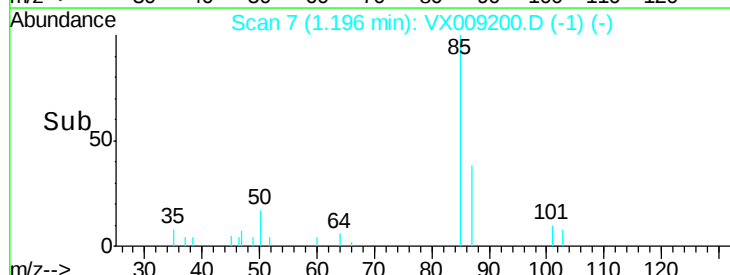
1500

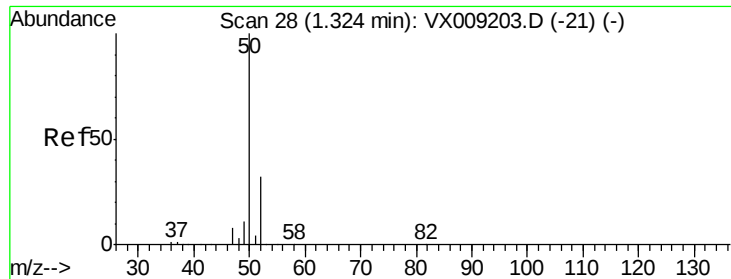
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 1.030 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2852

Ion Ratio Lower Upper

50 100

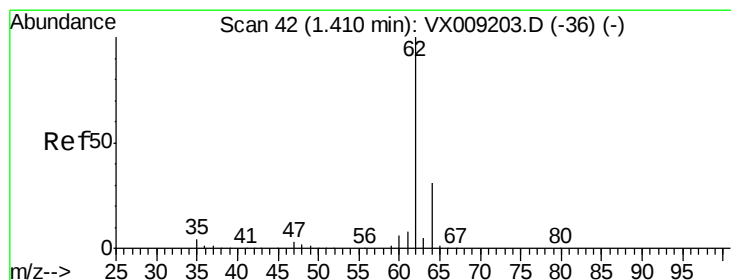
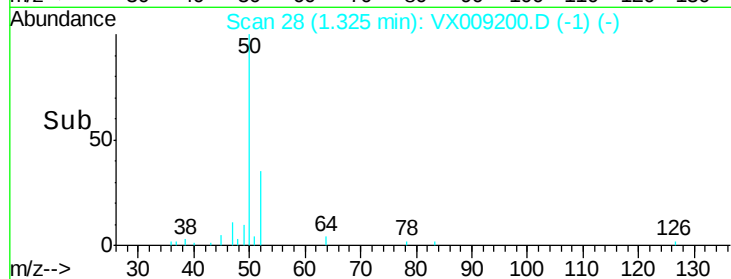
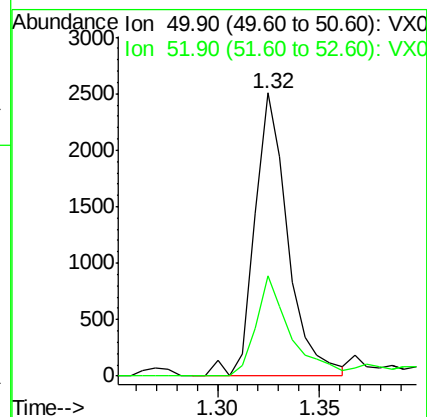
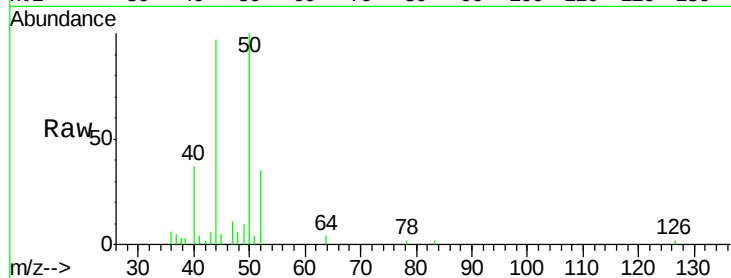
52 35.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#4

Vinyl Chloride

Concen: 0.945 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009200.D

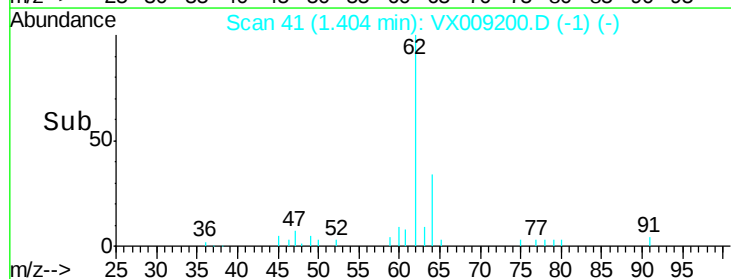
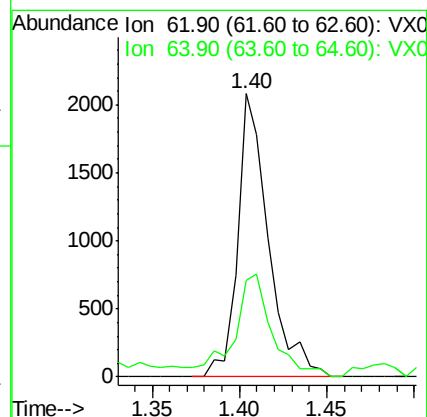
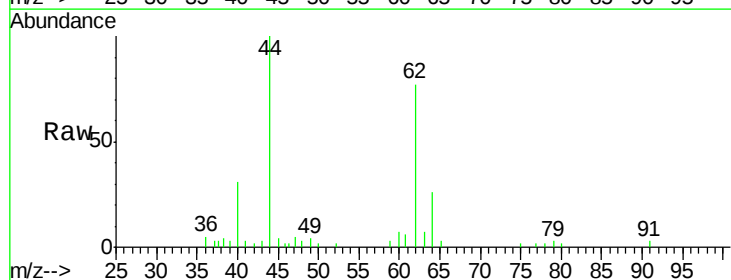
Acq: 29 Apr 2019 11:47

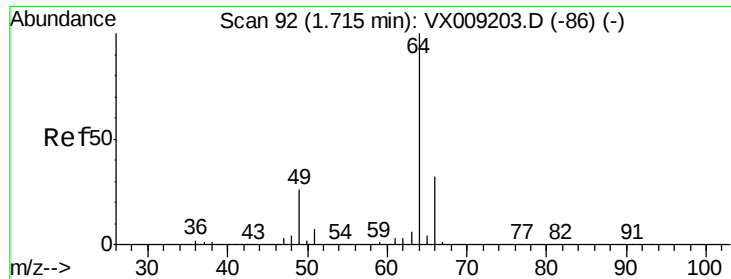
Tgt Ion: 62 Resp: 2541

Ion Ratio Lower Upper

62 100

64 34.0 24.6 36.8





#6

Chloroethane

Concen: 1.086 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1732

Ion Ratio Lower Upper

64 100

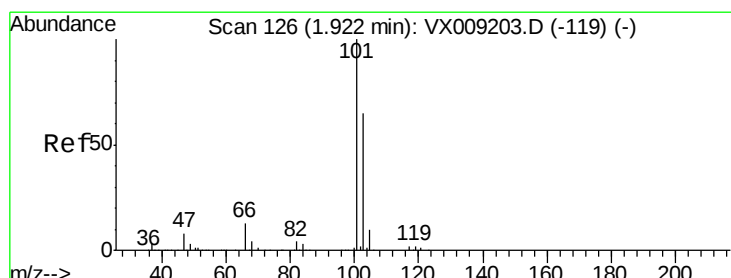
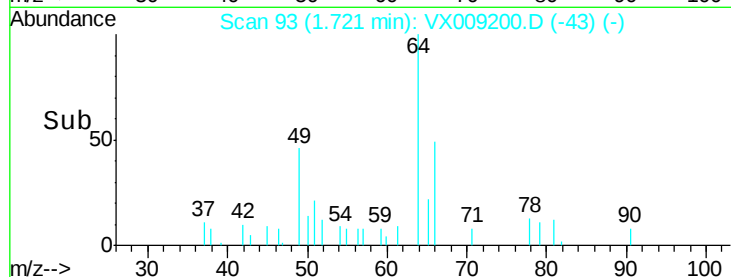
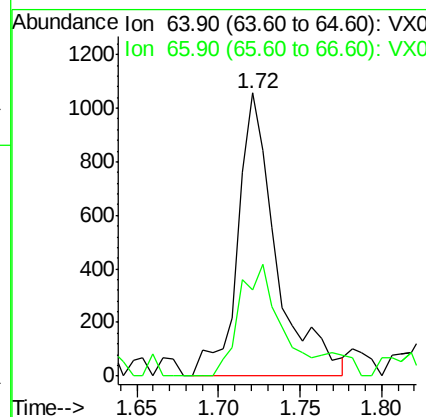
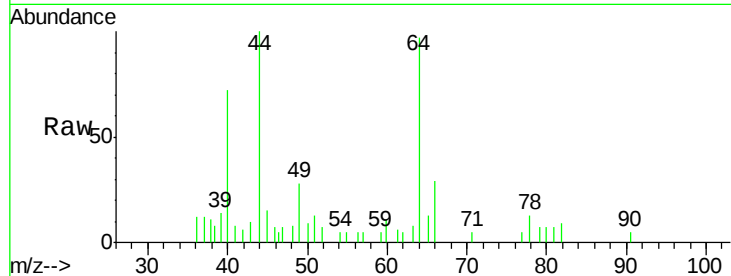
66 30.5 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#7

Trichlorofluoromethane

Concen: 1.019 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX009200.D

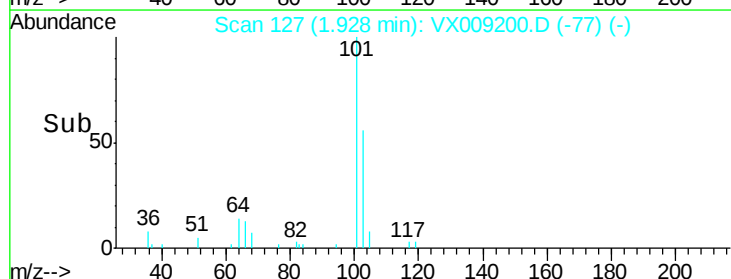
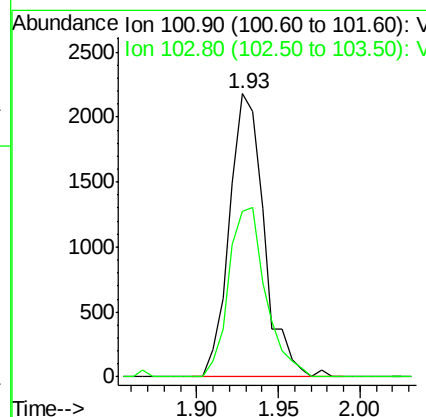
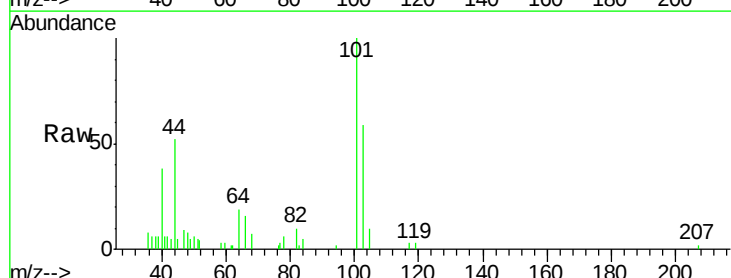
Acq: 29 Apr 2019 11:47

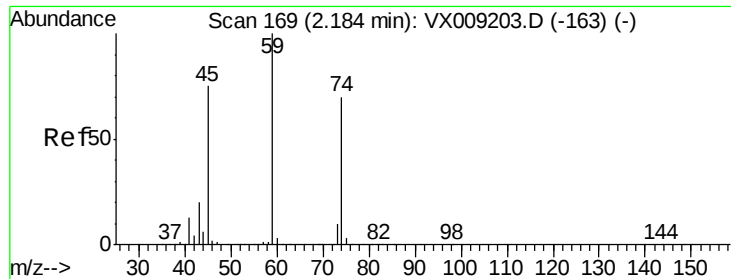
Tgt Ion: 101 Resp: 3216

Ion Ratio Lower Upper

101 100

103 58.6 52.4 78.6





#8

Diethyl Ether

Concen: 1.098 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1596

Ion Ratio Lower Upper

74 100

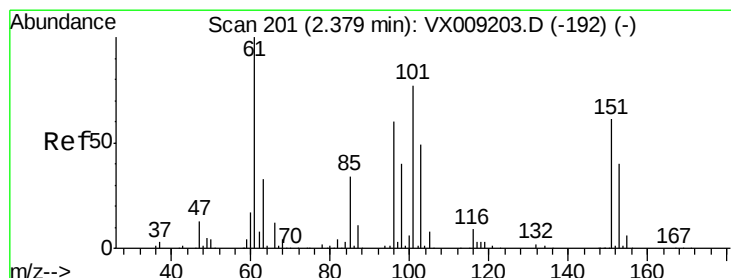
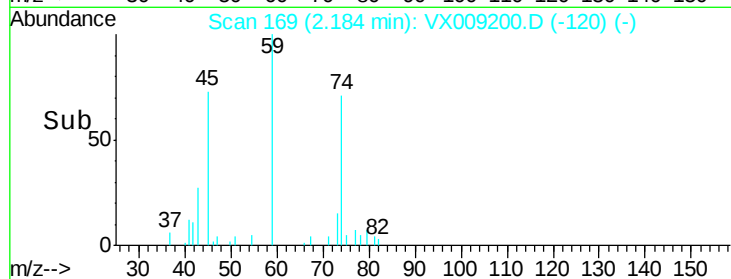
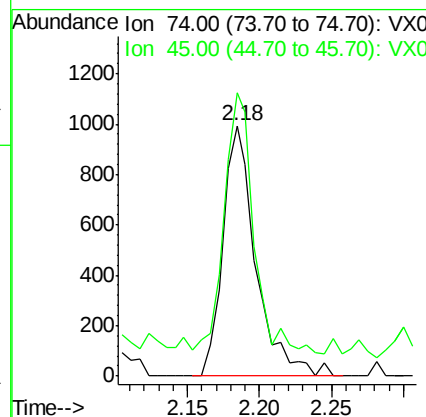
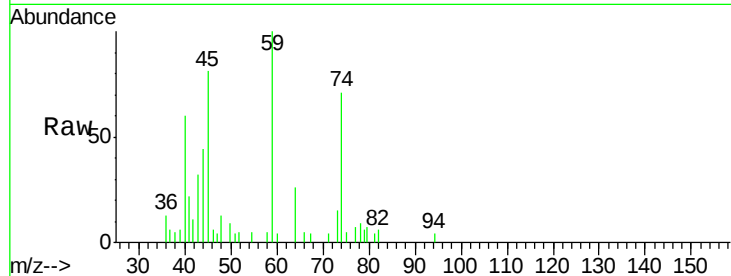
45 94.0 53.3 159.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.945 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

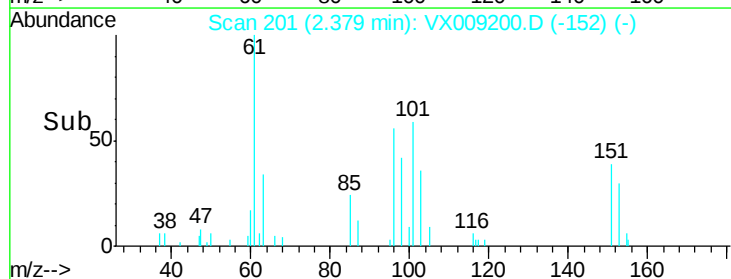
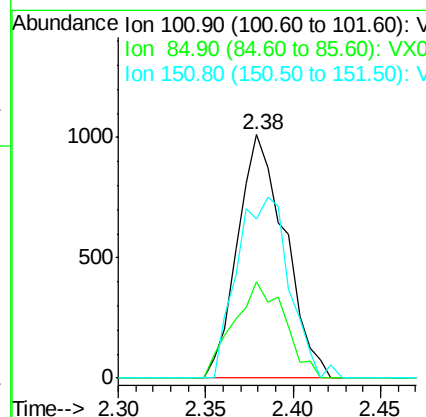
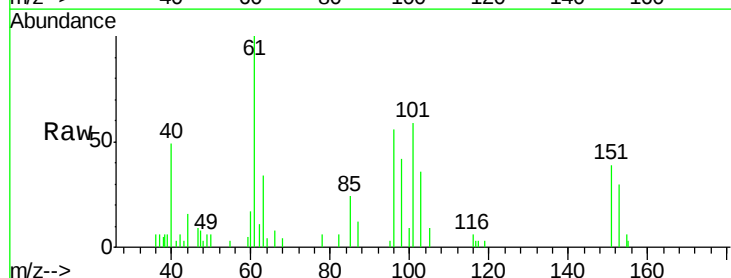
Tgt Ion: 101 Resp: 1911

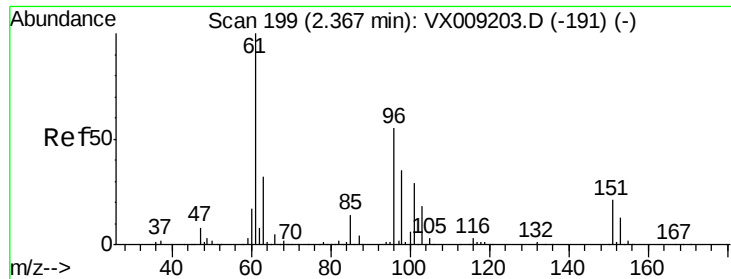
Ion Ratio Lower Upper

101 100

85 42.5 35.7 53.5

151 82.2 62.2 93.2





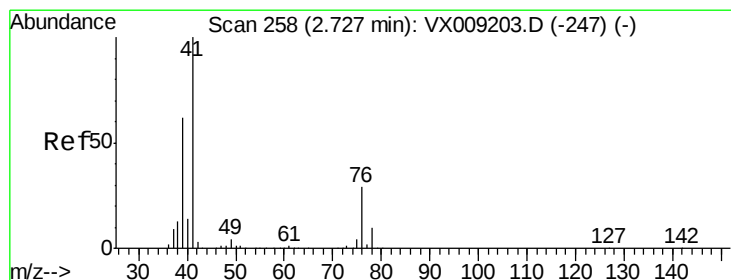
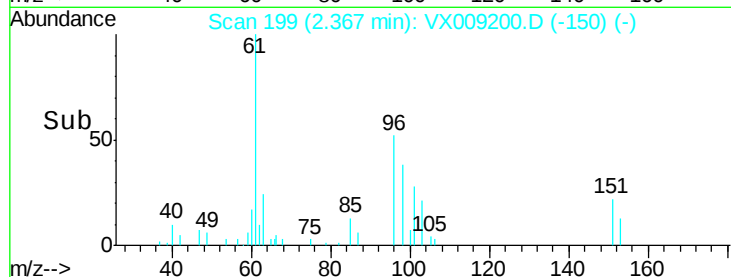
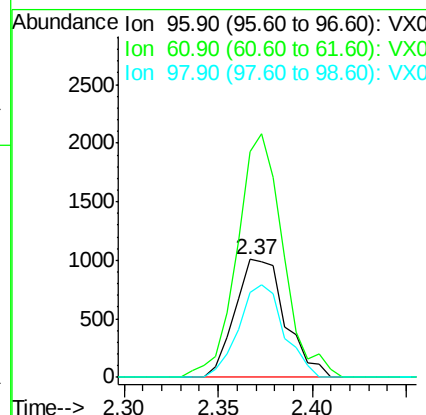
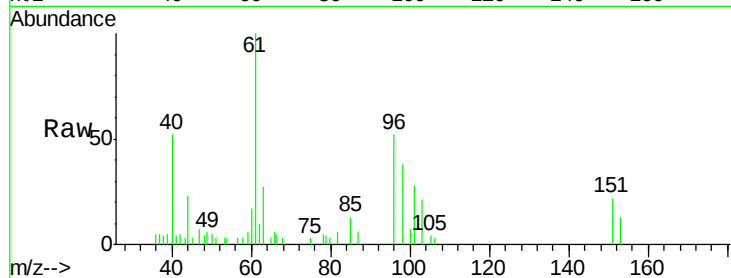
#12
1,1-Dichloroethene
Concen: 0.888 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	191.8	144.3	216.5
98	72.3	50.3	75.5

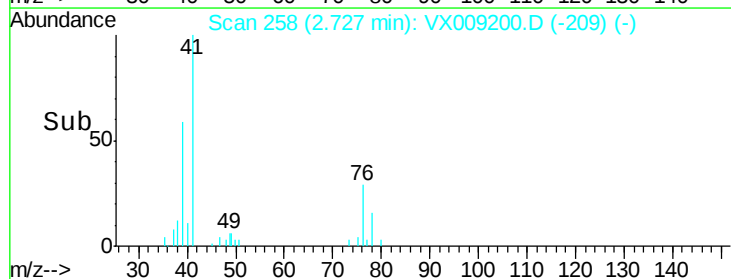
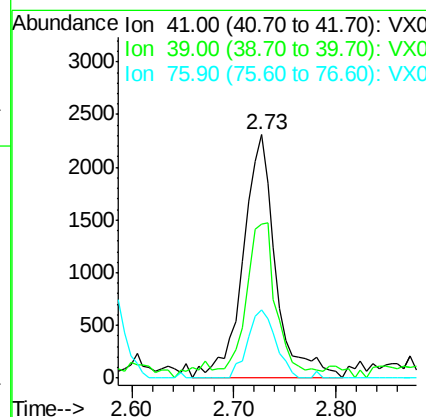
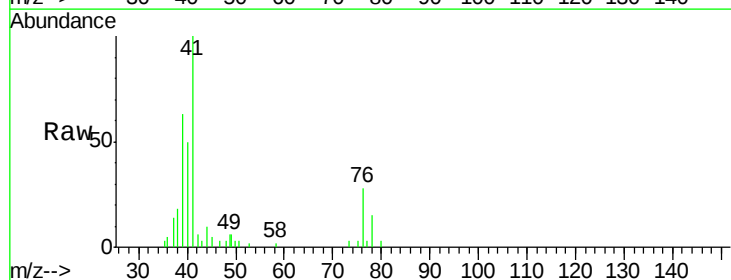
Manual Integrations
APPROVED

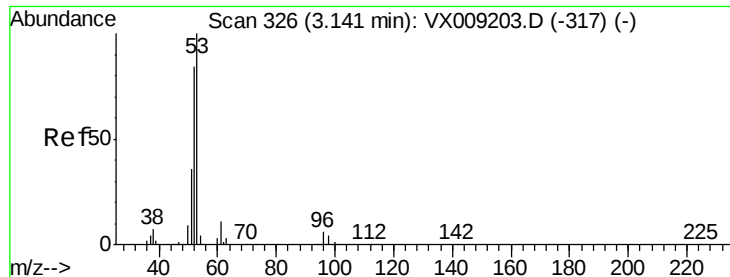
MMDadoda
4/30/2019 11:03:18 AM



#14
Allyl chloride
Concen: 1.115 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.3	46.7	70.1
76	24.0	21.8	32.8





#15

Acrylonitrile

Concen: 5.383 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

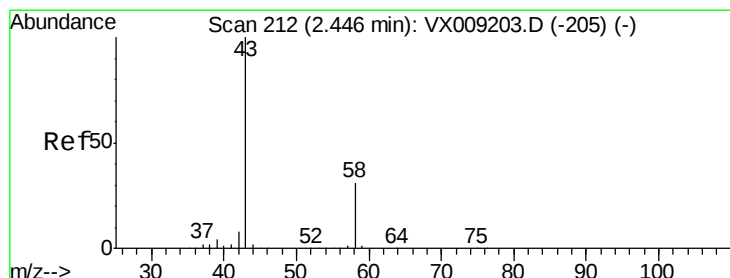
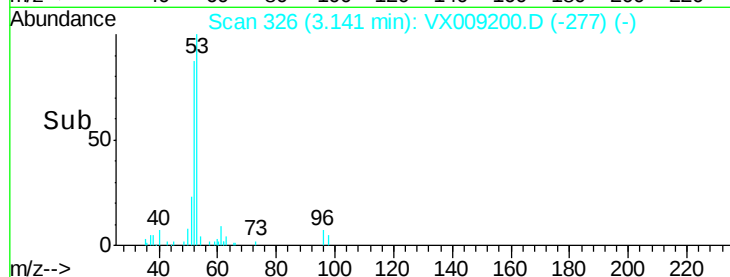
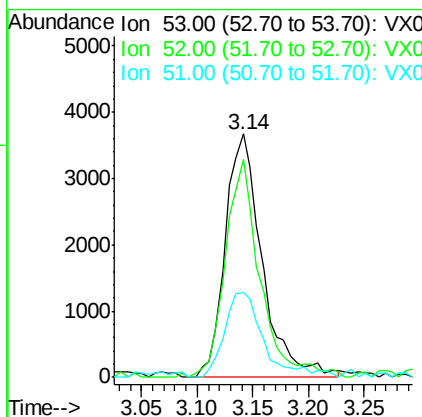
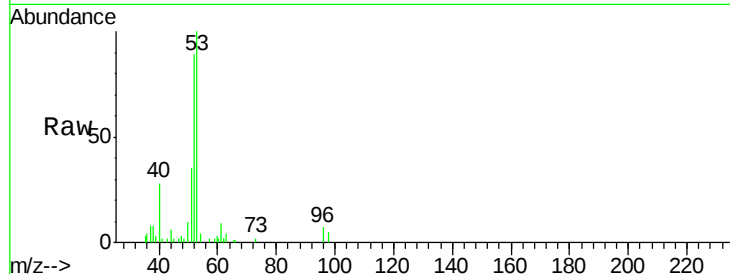
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8434
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.9	100.3
51	36.9	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#16

Acetone

Concen: 5.700 ug/l

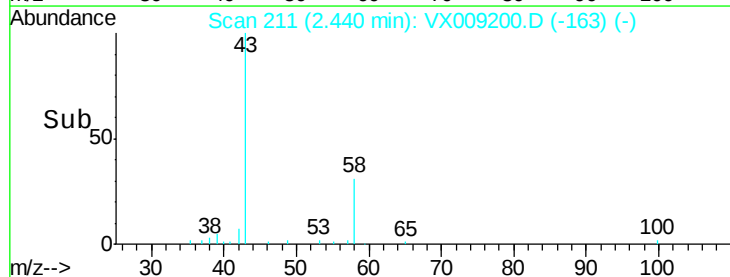
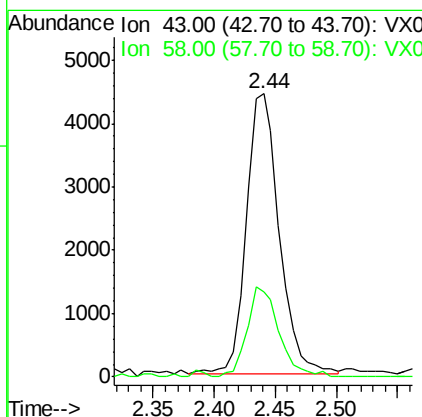
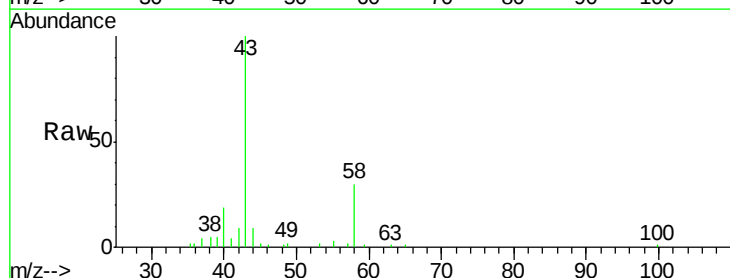
RT: 2.44 min Scan# 211

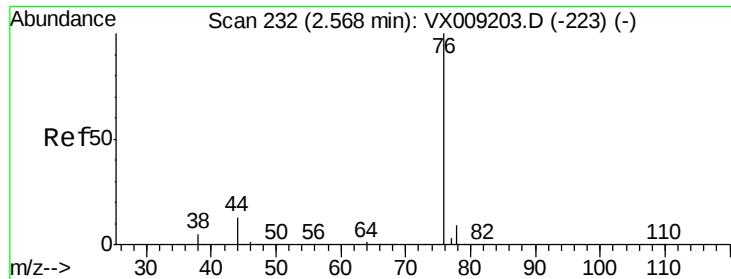
Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	43	Resp:	8235
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.9	37.3





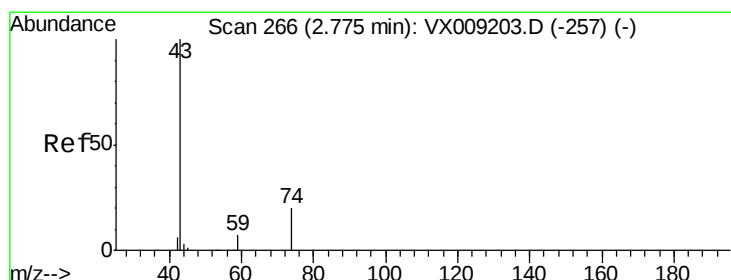
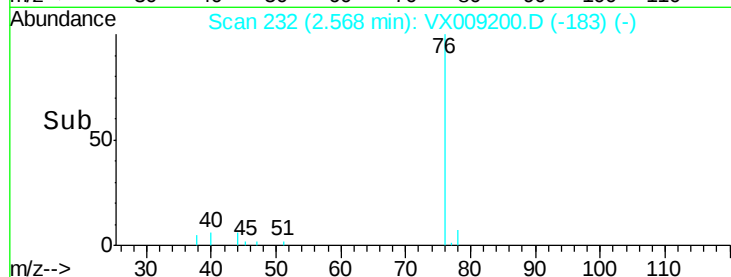
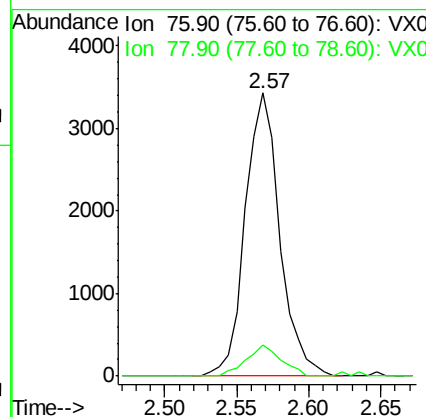
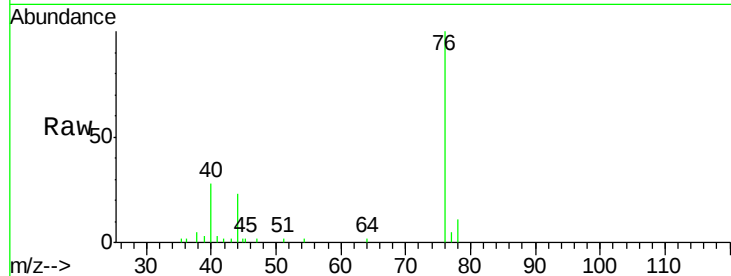
#17
Carbon Disulfide
Concen: 0.877 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 5685
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.0#

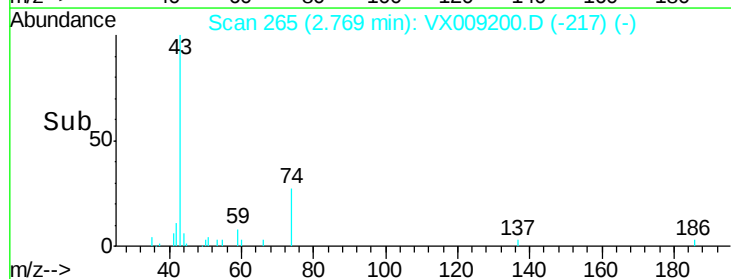
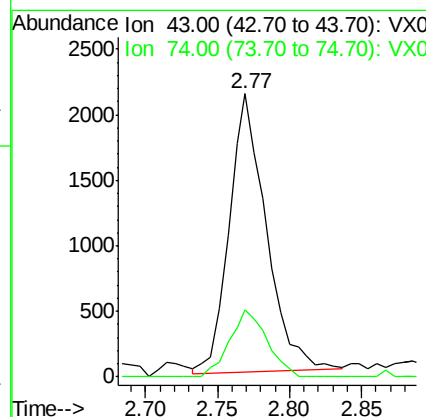
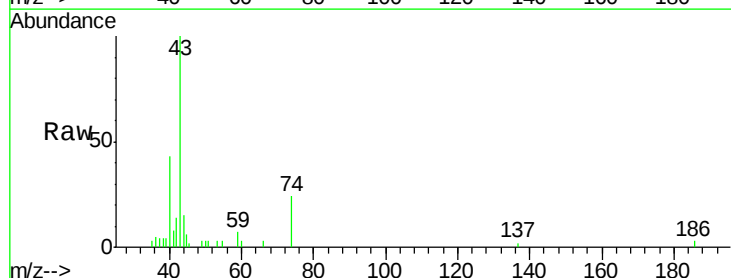
Manual Integrations
APPROVED

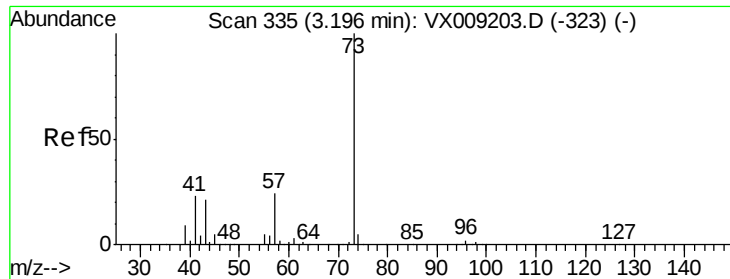
MMDadoda
4/30/2019 11:03:18 AM



#18
Methyl Acetate
Concen: 1.054 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 43 Resp: 3808
Ion Ratio Lower Upper
43 100
74 24.1 16.2 24.4





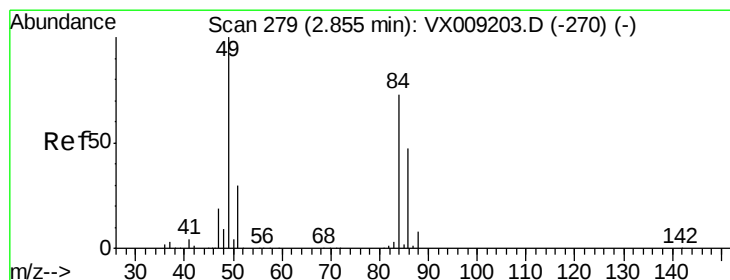
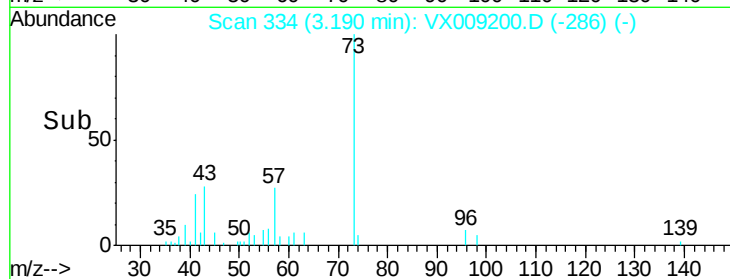
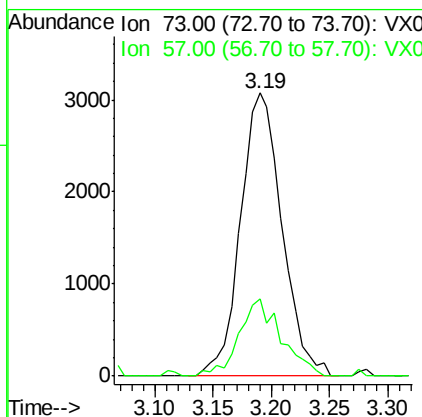
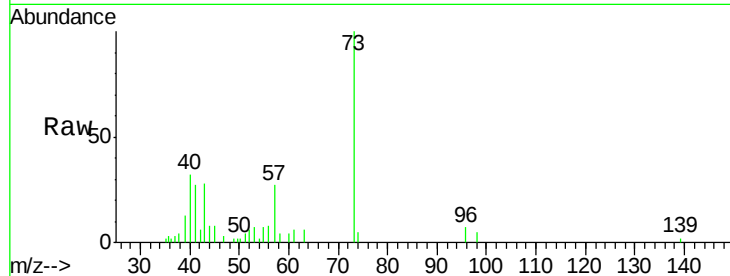
#19
Methyl tert-butyl Ether
Concen: 1.011 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	27.3	19.3	28.9

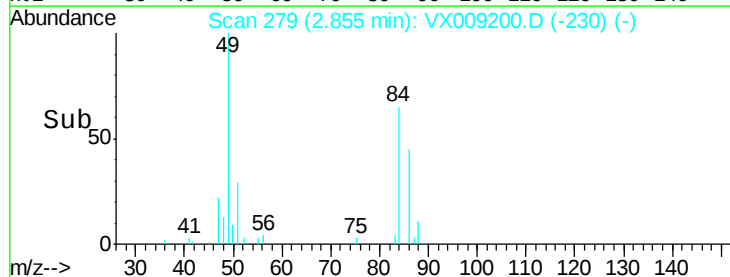
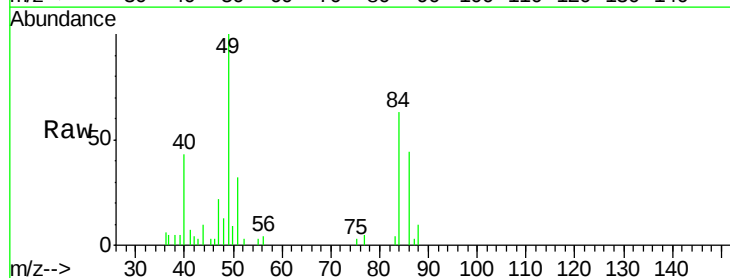
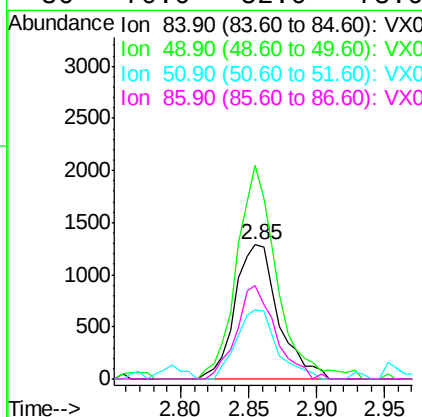
Manual Integrations
APPROVED

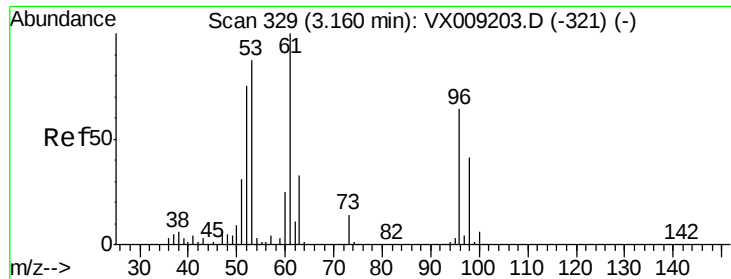
MMDadoda
4/30/2019 11:03:18 AM



#20
Methylene Chloride
Concen: 1.160 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.0	109.9	164.9
51	51.4	32.7	49.1
86	70.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 0.968 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

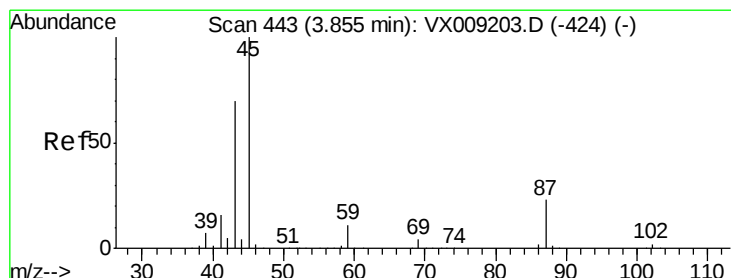
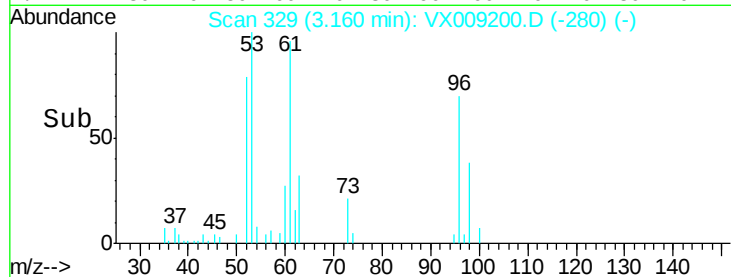
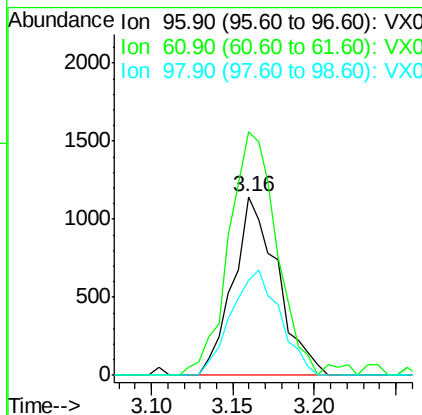
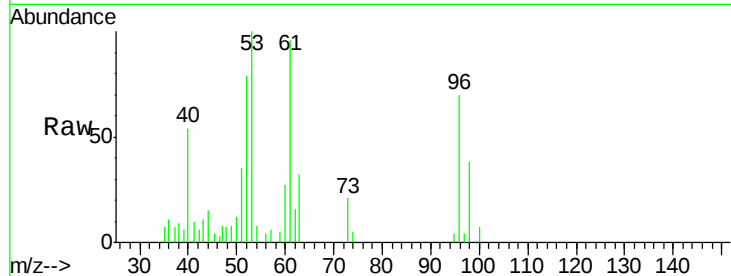
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	2175
Ion	Ratio	Lower	Upper
96	100		
61	131.9	124.5	186.7
98	53.6	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#22

Diisopropyl ether

Concen: 1.044 ug/l

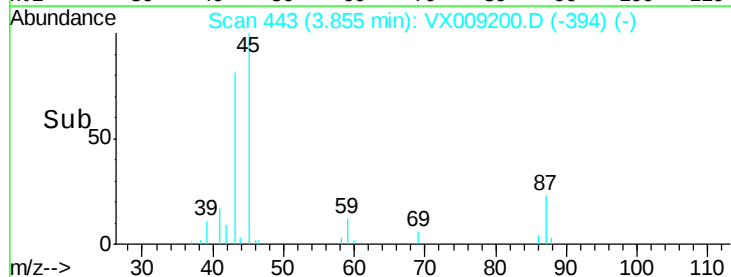
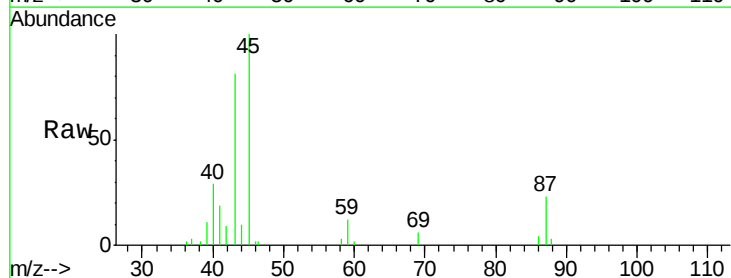
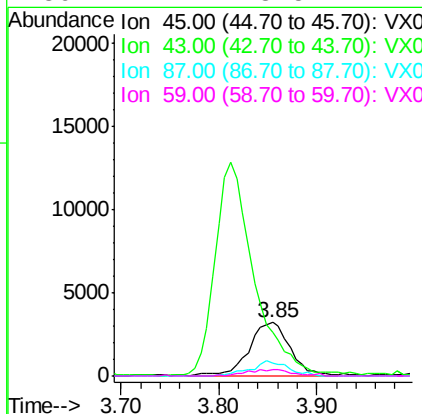
RT: 3.85 min Scan# 443

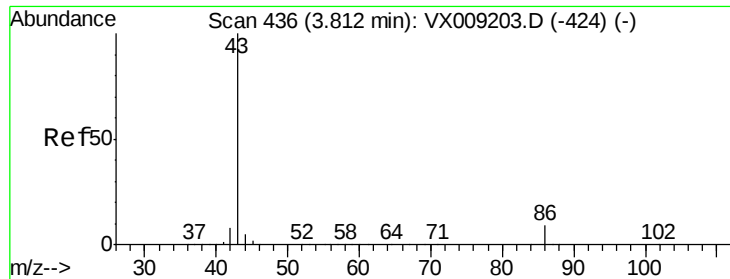
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	45	Resp:	9390
Ion	Ratio	Lower	Upper
45	100		
43	76.7	56.1	84.1
87	23.6	18.1	27.1
59	12.4	8.5	12.7





#23

Vinyl Acetate

Concen: 4.585 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 36065

Ion Ratio Lower Upper

43 100

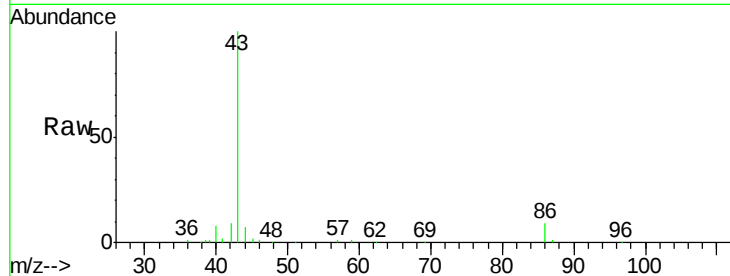
86 9.0 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

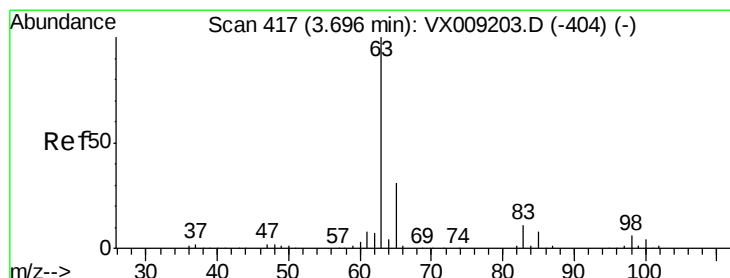
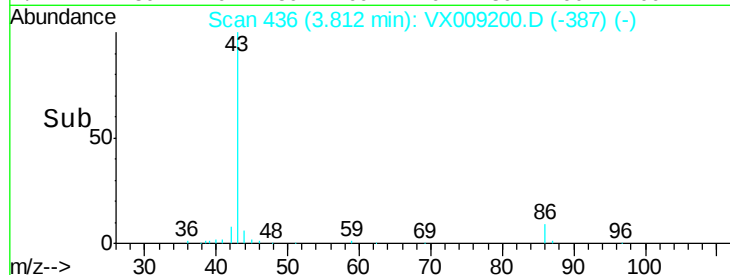
15000

10000

5000

0

Time-->



#24

1,1-Dichloroethane

Concen: 1.038 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

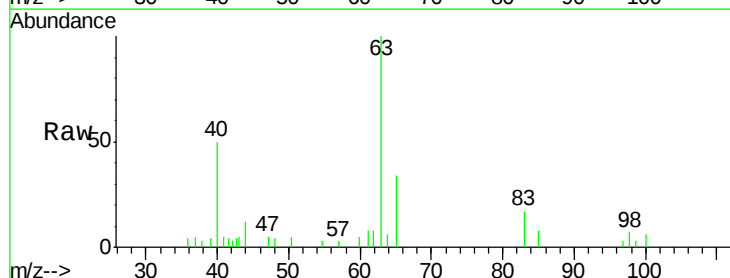
Tgt Ion: 63 Resp: 4676

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 6.4 2.0 6.0#



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

2500

2000

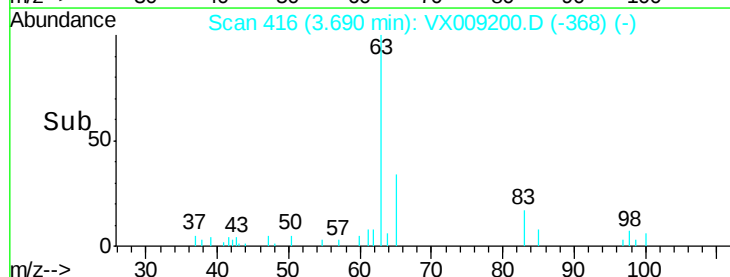
1500

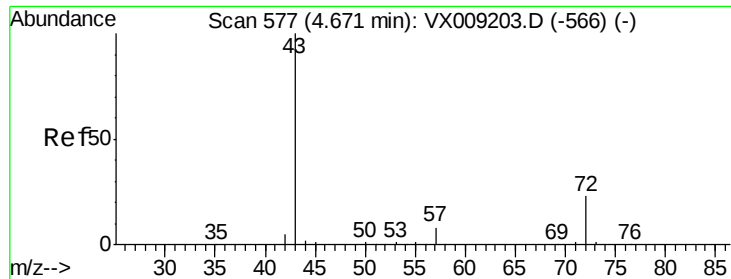
1000

500

0

Time-->





#25

2-Butanone

Concen: 4.902 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 11305

Ion Ratio Lower Upper

43 100

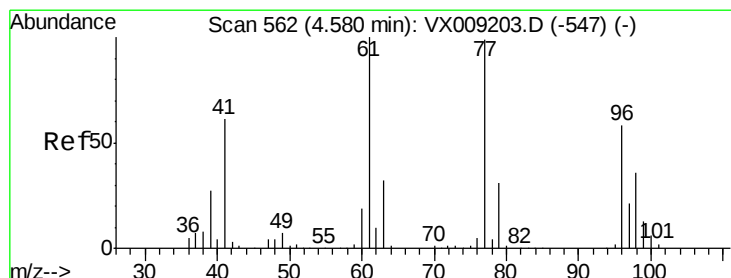
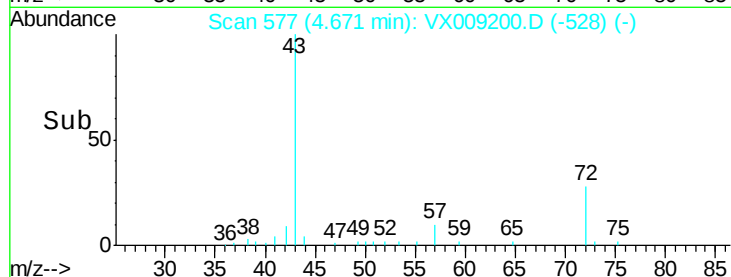
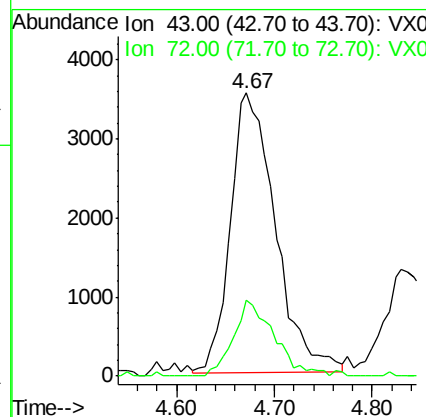
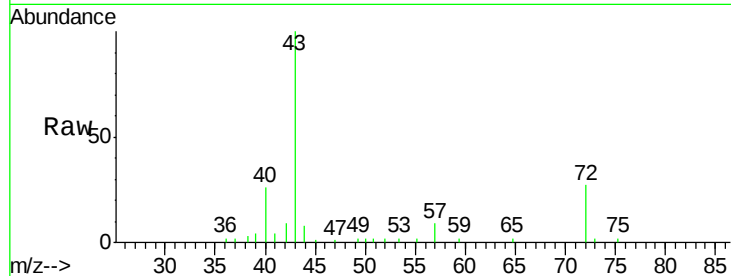
72 27.6 18.2 27.2#

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#26

2,2-Dichloropropane

Concen: 1.006 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009200.D

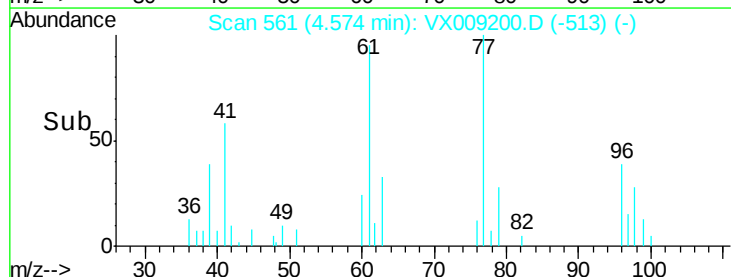
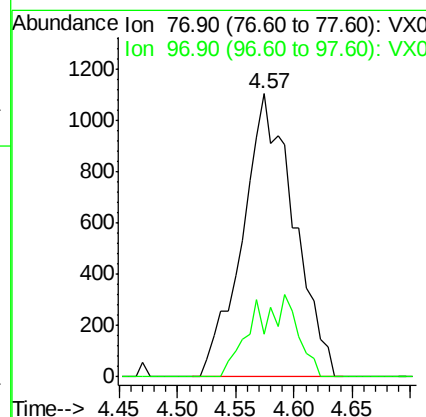
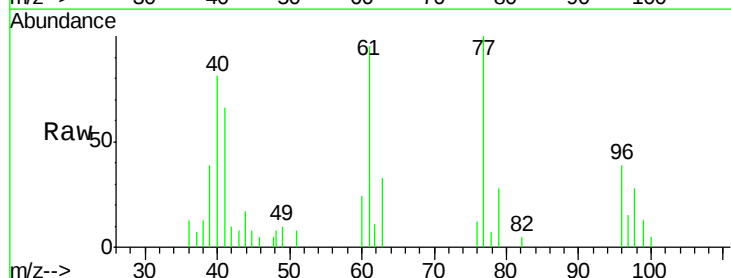
Acq: 29 Apr 2019 11:47

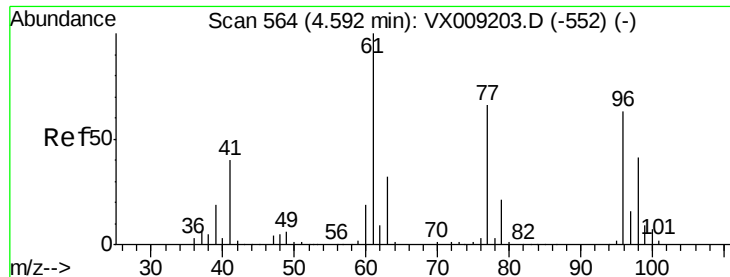
Tgt Ion: 77 Resp: 3399

Ion Ratio Lower Upper

77 100

97 10.3 11.5 34.4#





#27

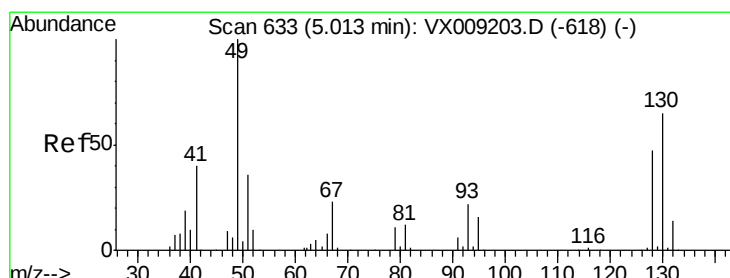
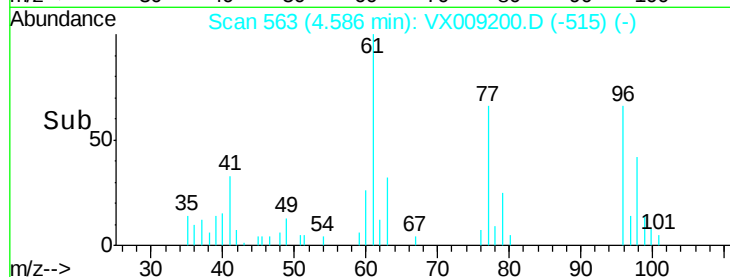
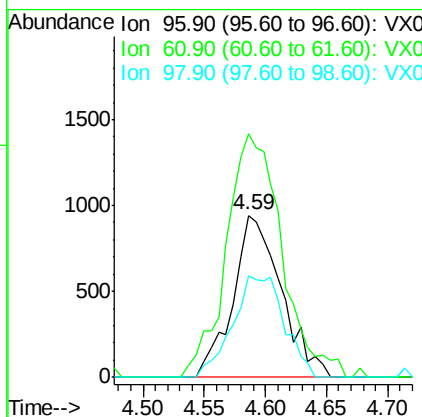
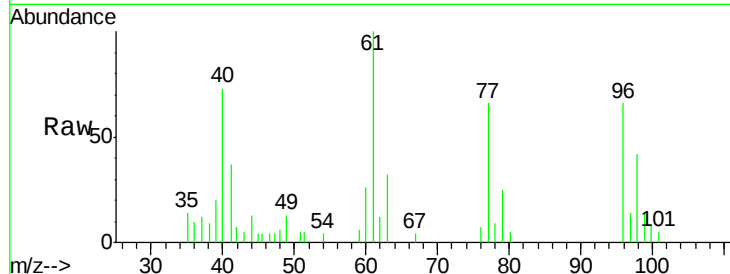
cis-1,2-Dichloroethene
Concen: 1.008 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.6	0.0	324.0
98	66.9	0.0	130.4

Manual Integrations
APPROVED

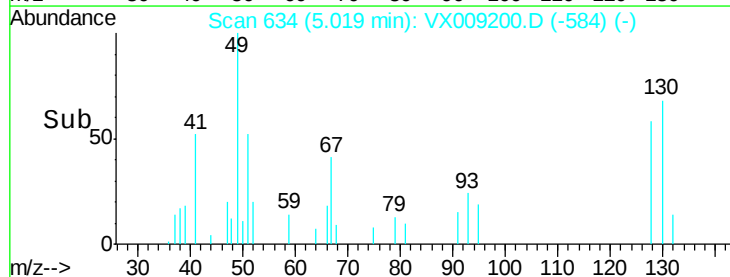
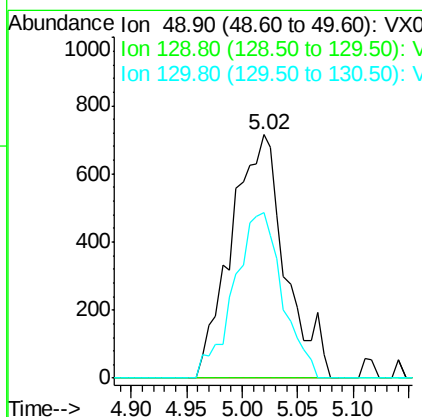
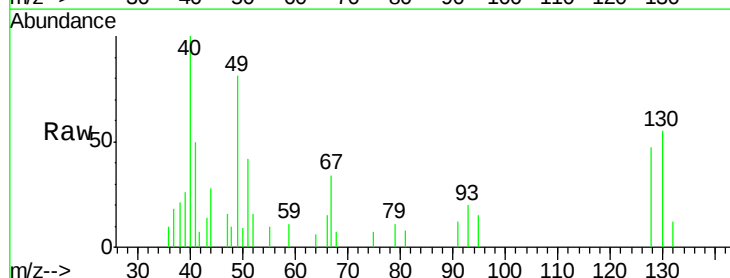
MMDadoda
4/30/2019 11:03:18 AM

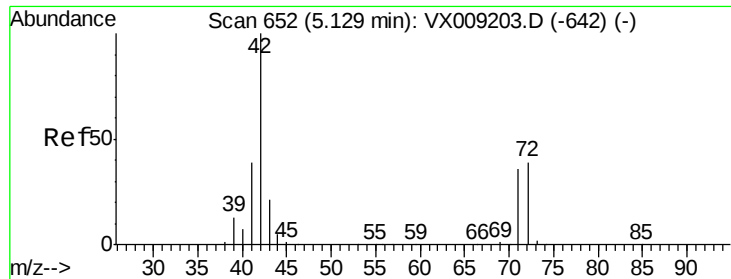


#28

Bromochloromethane
Concen: 1.136 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	61.1	51.2	76.8





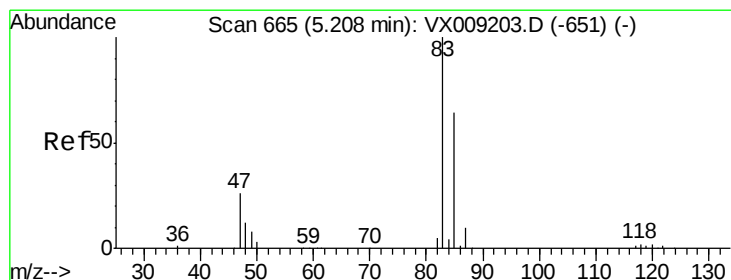
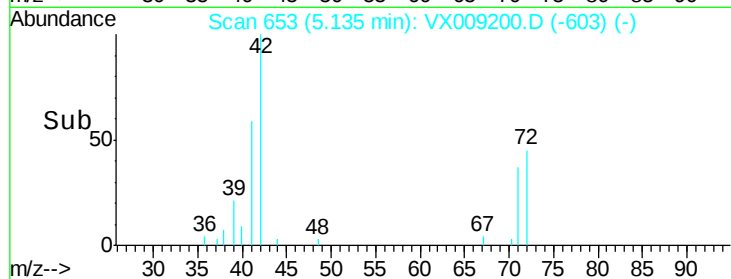
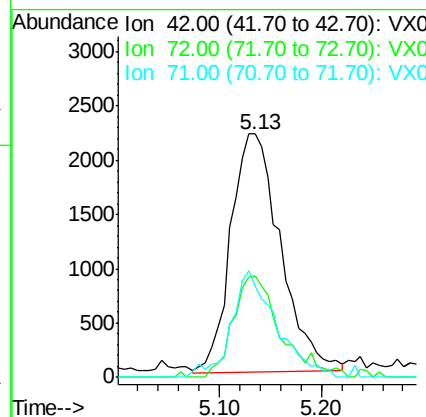
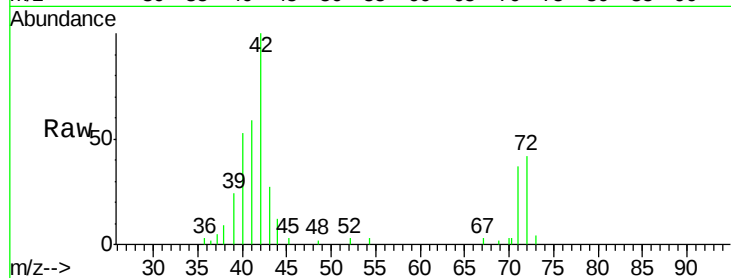
#29
Tetrahydrofuran
Concen: 4.808 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	30.4	45.6
71	40.6	28.6	43.0

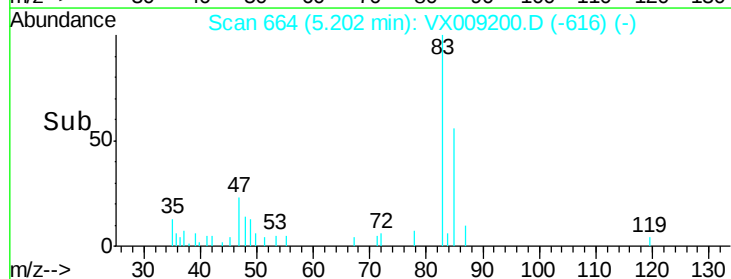
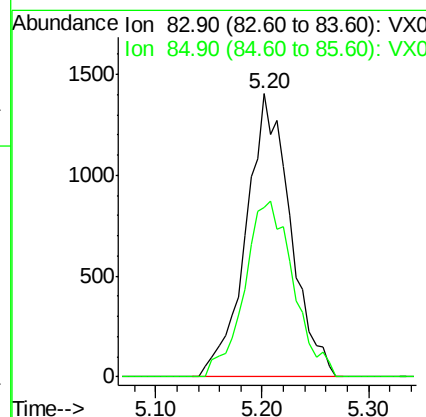
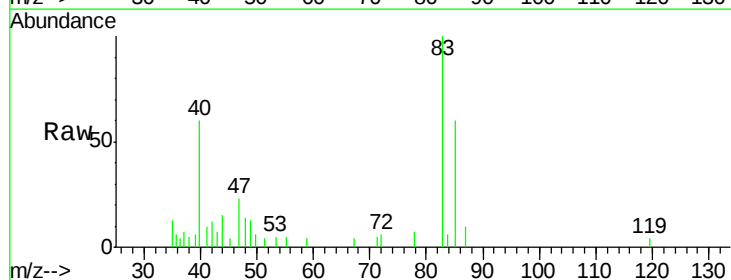
Manual Integrations
APPROVED

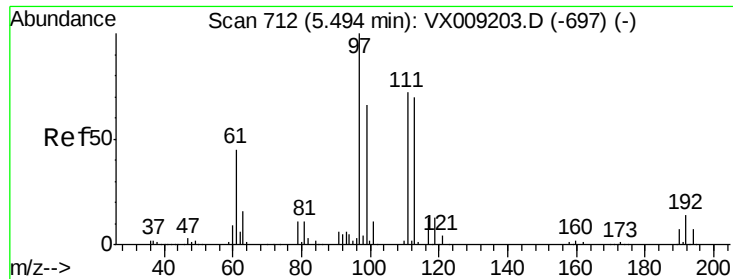
MMDadoda
4/30/2019 11:03:18 AM



#30
Chloroform
Concen: 1.016 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.5	77.3





#32

1,1,1-Trichloroethane

Concen: 1.052 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

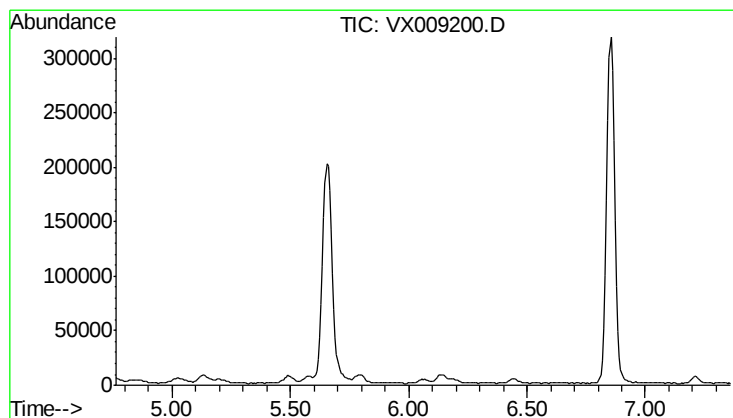
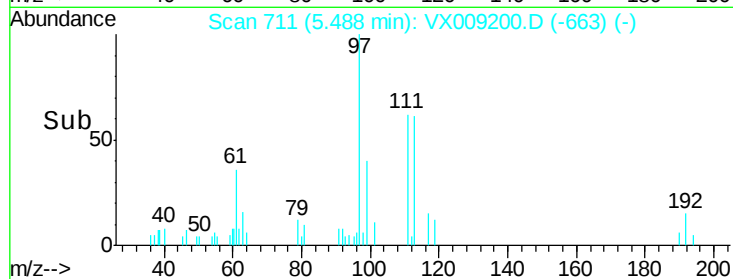
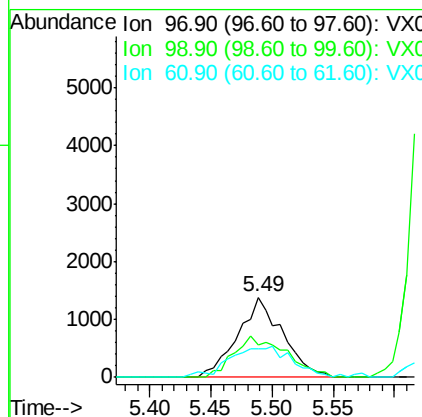
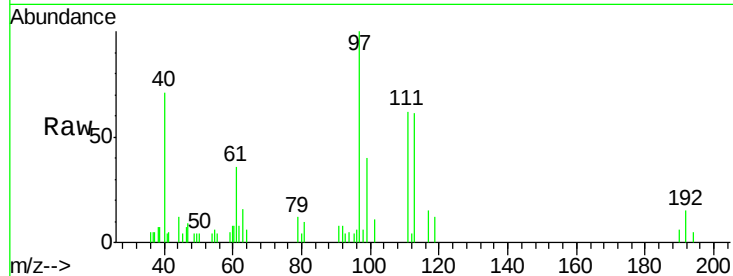
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		3514		
99	0.0		51.8	77.8#	
61	53.3		37.8	56.8	

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX009200.D

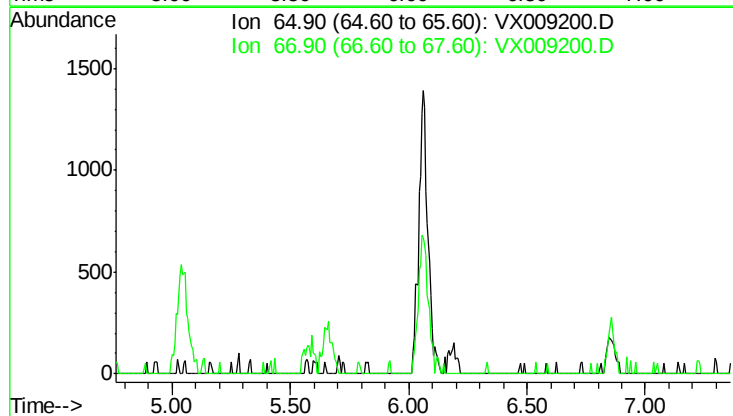
Acq: 29 Apr 2019 11:47

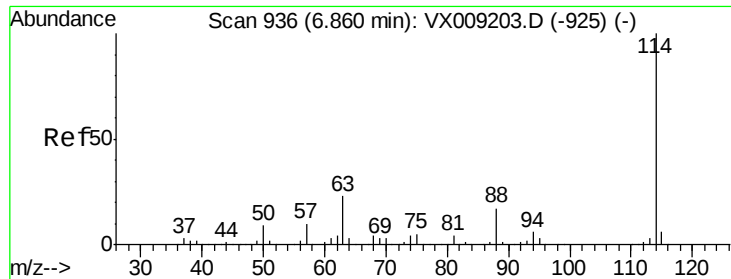
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.3





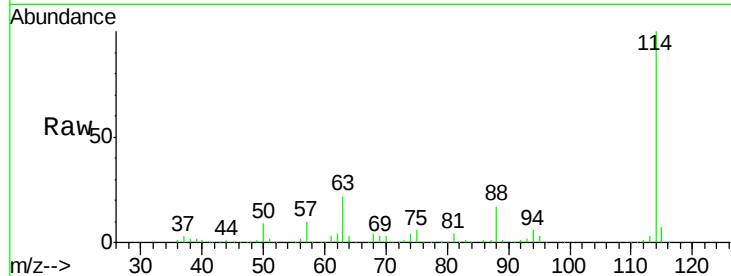
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.3	0.0	45.6
88	16.5	0.0	33.2

Manual Integrations
 APPROVED

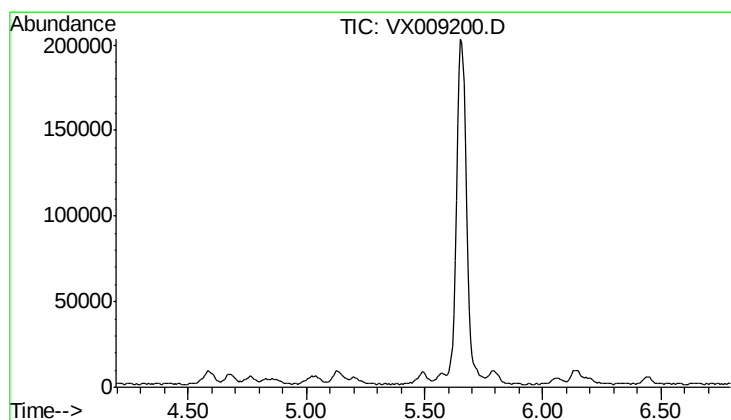
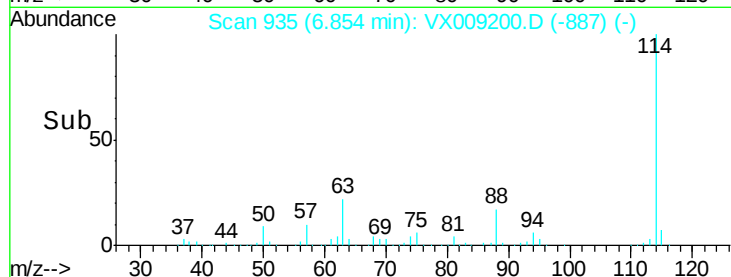
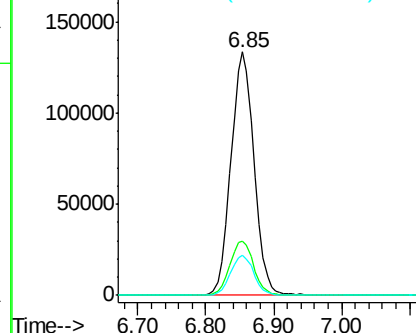
MMDadoda
 4/30/2019 11:03:18 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

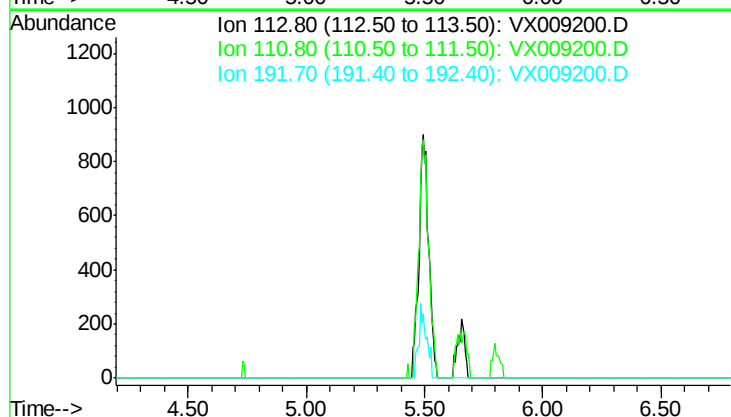
Ion 87.90 (87.60 to 88.60): VX0

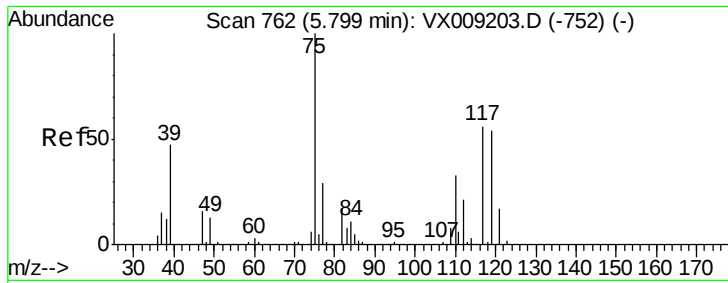


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.49 min

Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Exp Ratio
113	100
111	103.5
192	21.3





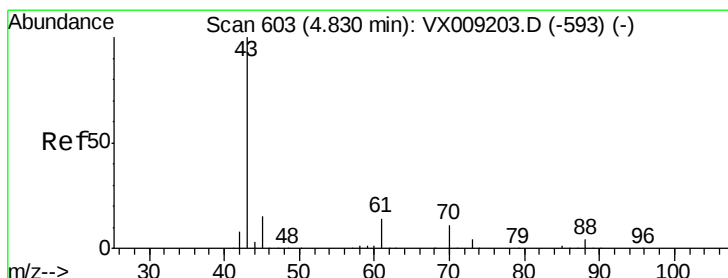
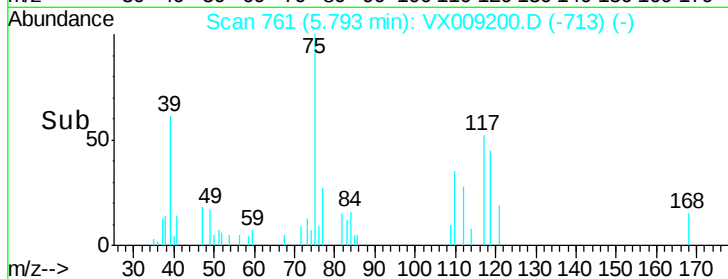
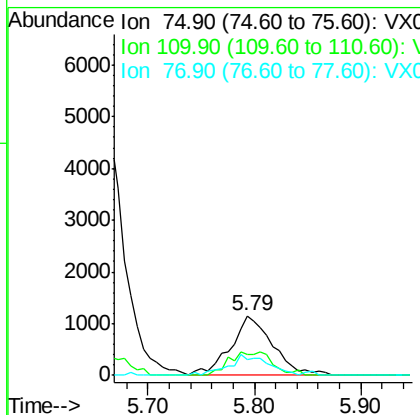
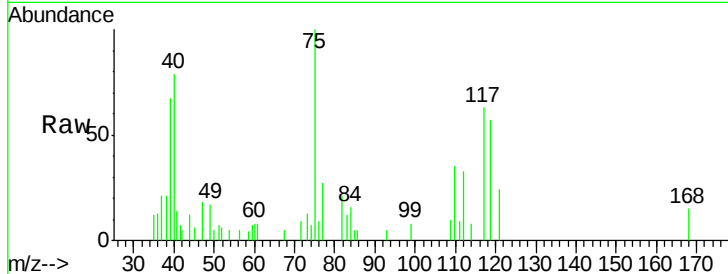
#36
 1,1-Dichloropropene
 Concen: 0.988 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	40.8	16.9	50.6
77	32.3	24.8	37.2

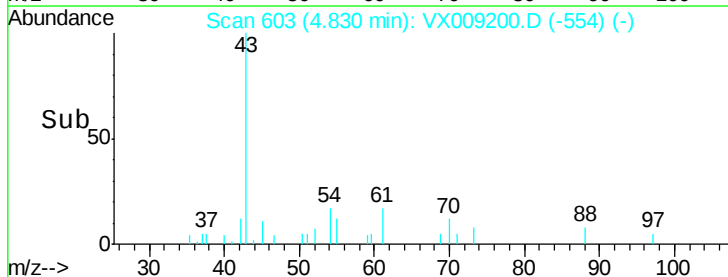
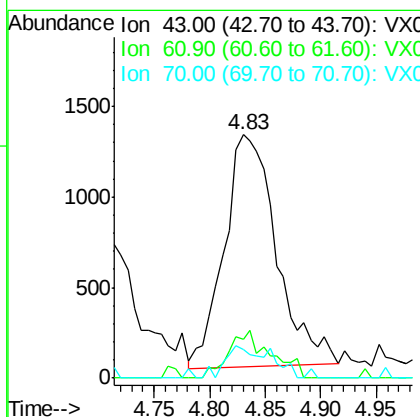
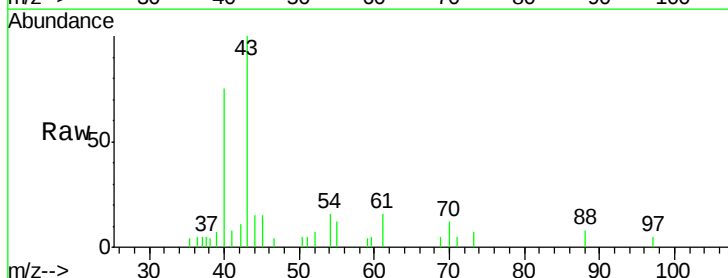
Manual Integrations
 APPROVED

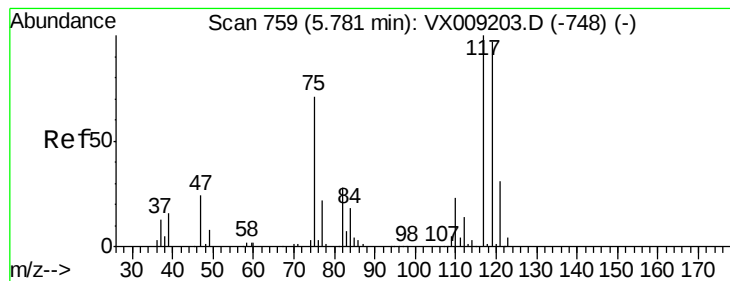
MMDadoda
 4/30/2019 11:03:18 AM



#37
 Ethyl Acetate
 Concen: 1.013 ug/l
 RT: 4.83 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.5	10.5	15.7#
70	8.7	7.9	11.9





#38

Carbon Tetrachloride

Concen: 1.038 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

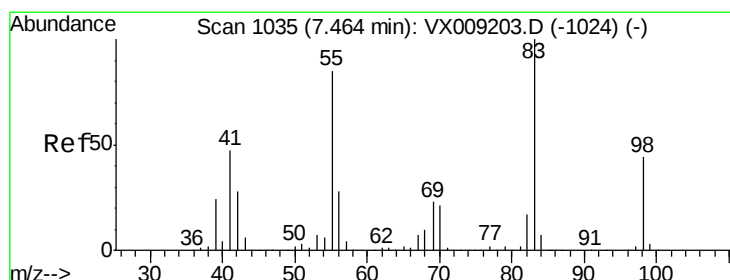
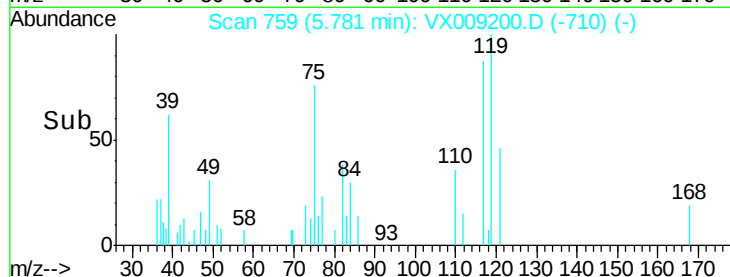
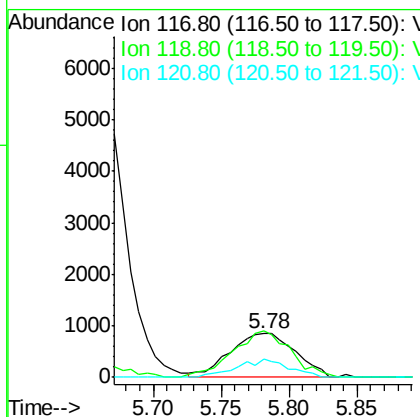
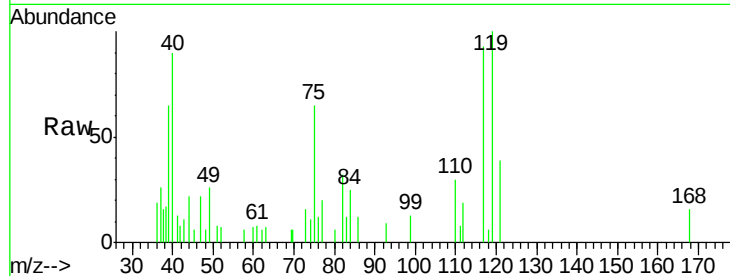
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	107.7	77.5	116.3
121	41.8	24.7	37.1

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#39

Methylcyclohexane

Concen: 0.975 ug/l

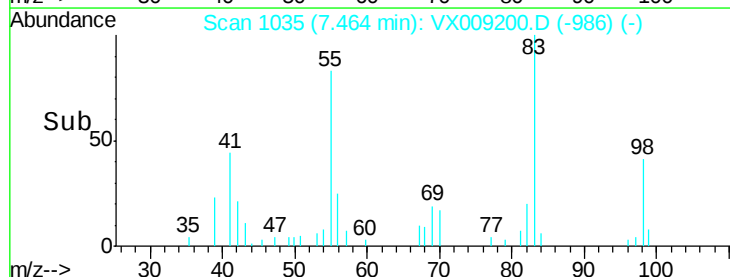
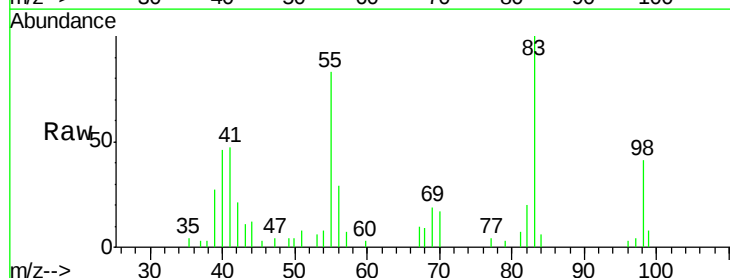
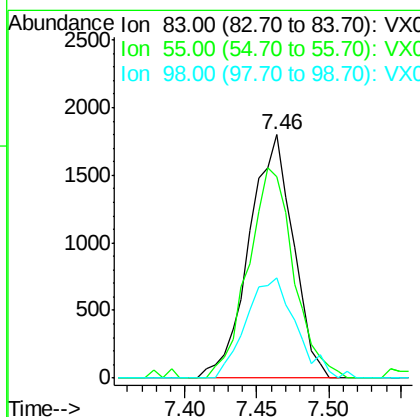
RT: 7.46 min Scan# 1035

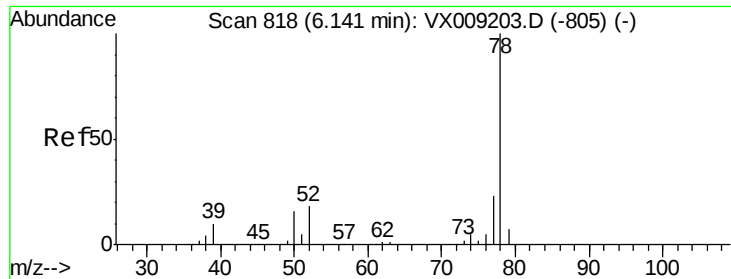
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.7	67.7	101.5
98	40.9	35.5	53.3





#40

Benzene

Concen: 1.024 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 9742

Ion Ratio Lower Upper

78 100

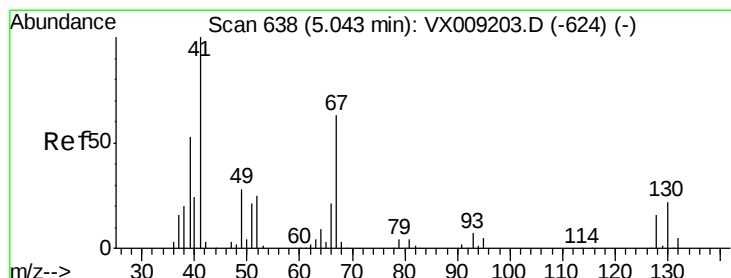
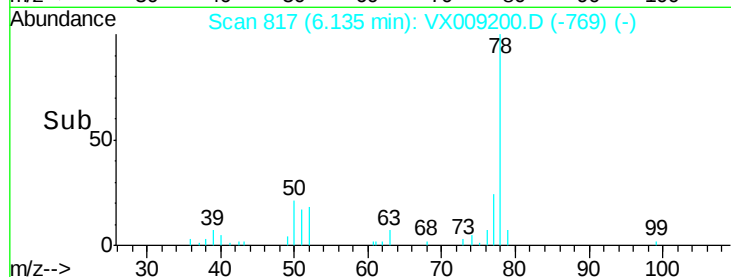
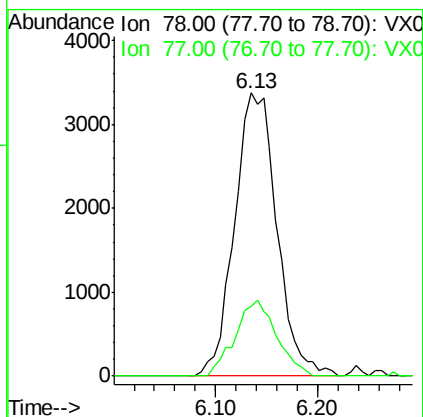
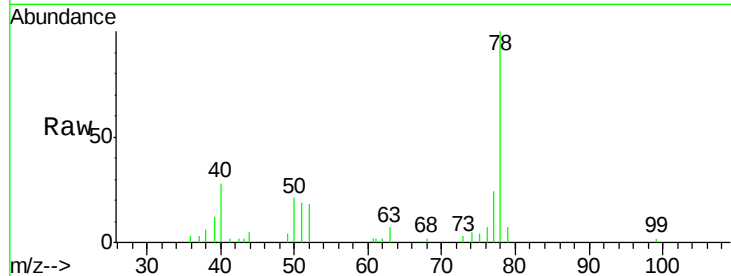
77 24.5 18.8 28.2

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#41

Methacrylonitrile

Concen: 1.200 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion: 41 Resp: 2866

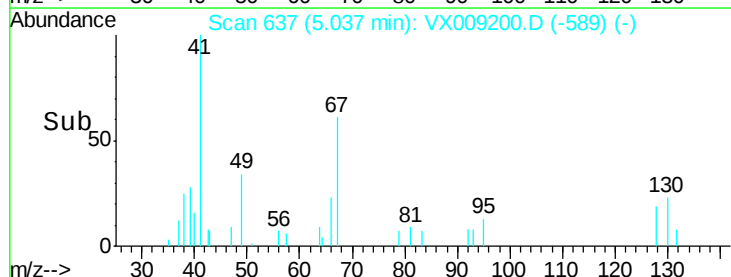
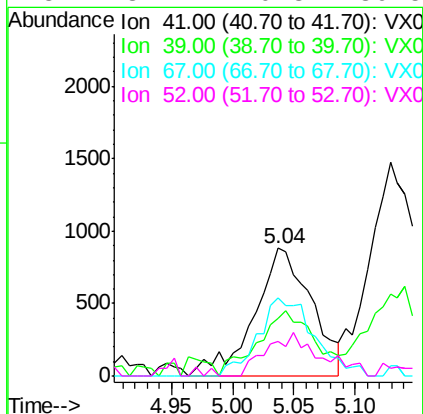
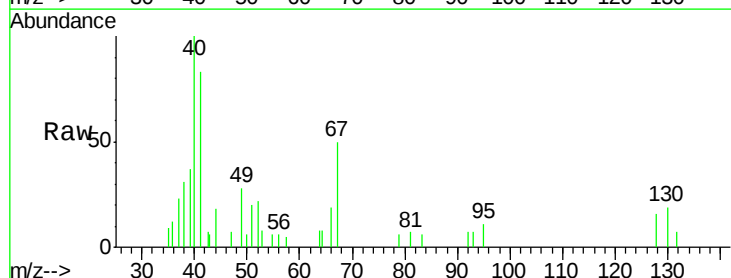
Ion Ratio Lower Upper

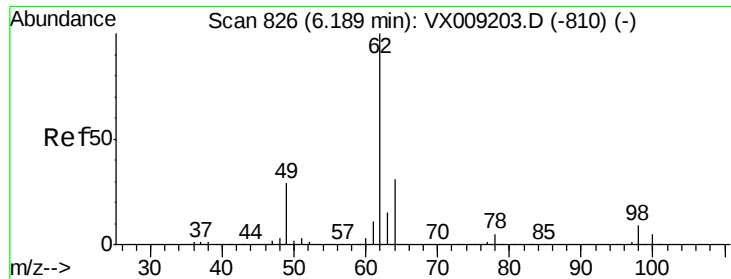
41 100

39 50.5 42.0 63.0

67 60.1 49.8 74.8

52 31.7 20.3 30.5#





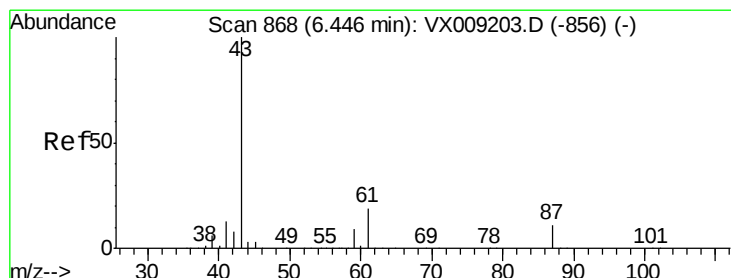
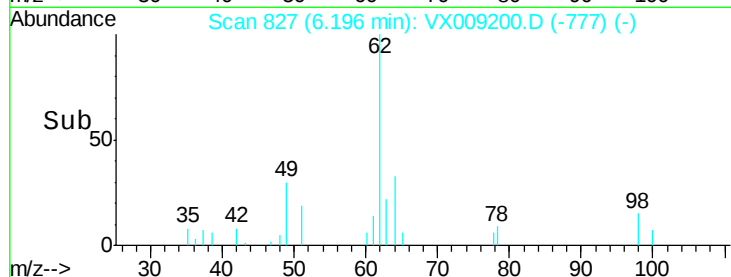
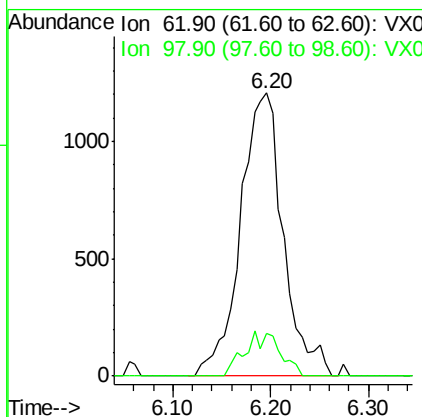
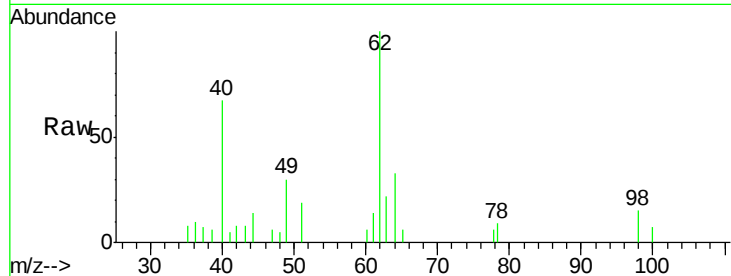
#42
 1,2-Dichloroethane
 Concen: 1.089 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	3673		
98	12.9	0.0	18.2	

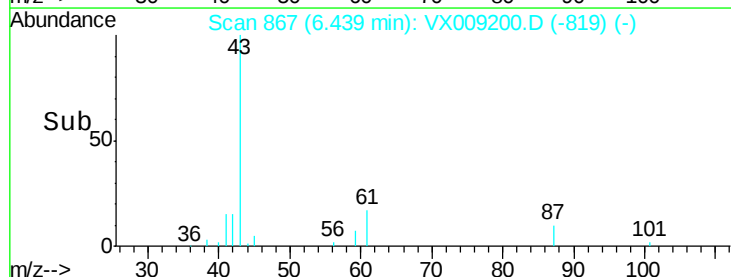
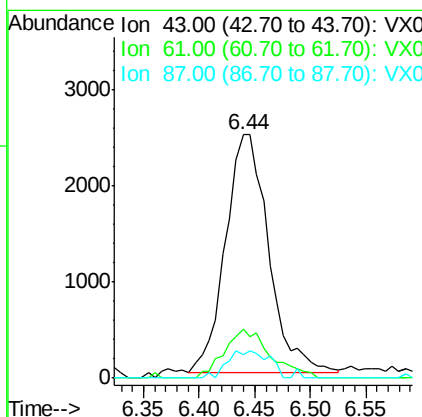
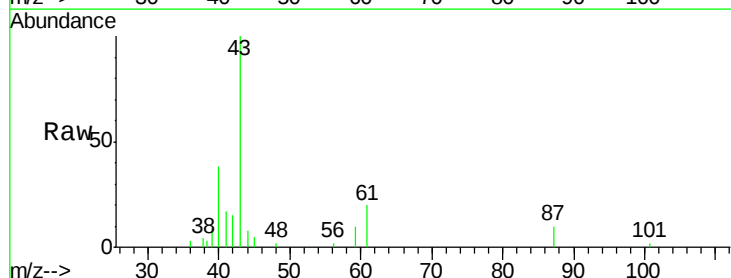
Manual Integrations
 APPROVED

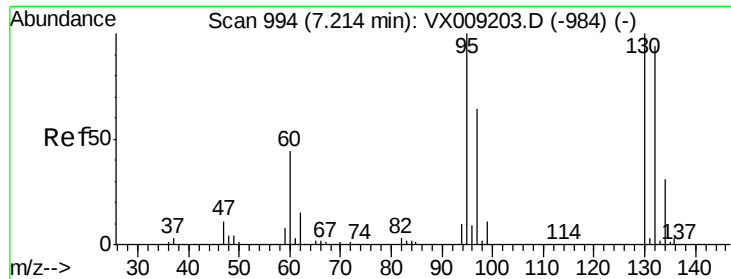
MMDadoda
 4/30/2019 11:03:18 AM



#43
 Isopropyl Acetate
 Concen: 0.992 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6638		
61	22.0	15.1	22.7	
87	11.2	9.0	13.6	





#44

Trichloroethene

Concen: 1.075 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 2502

Ion Ratio Lower Upper

130 100

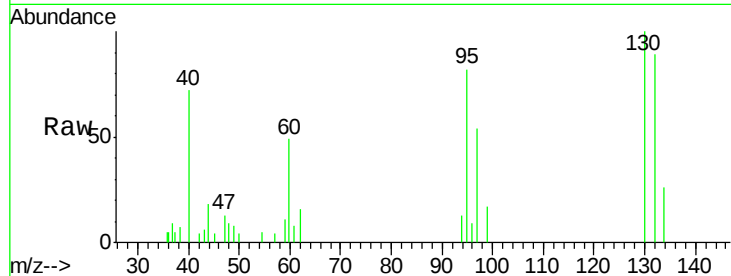
95 82.0 0.0 199.2

Manual Integrations

APPROVED

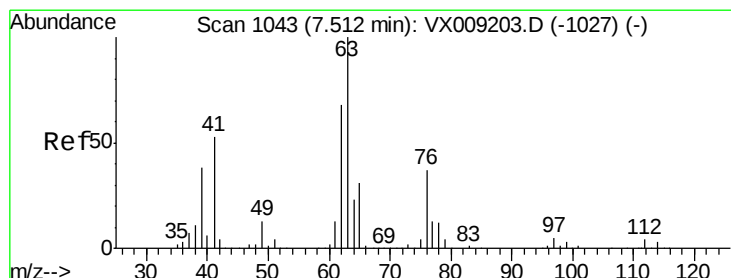
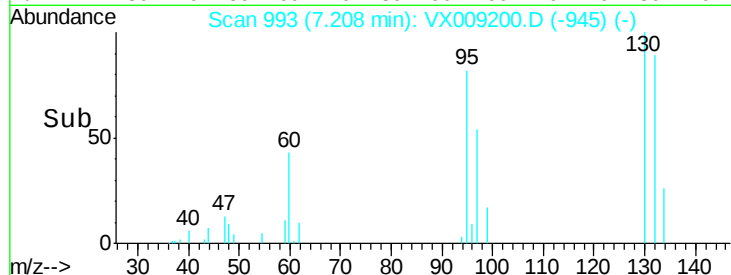
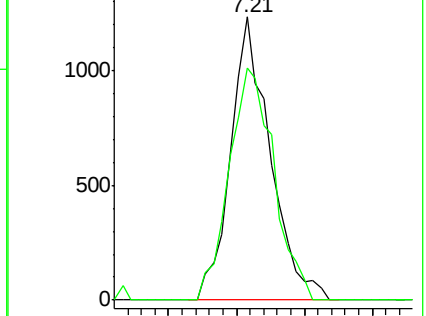
MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.044 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009200.D

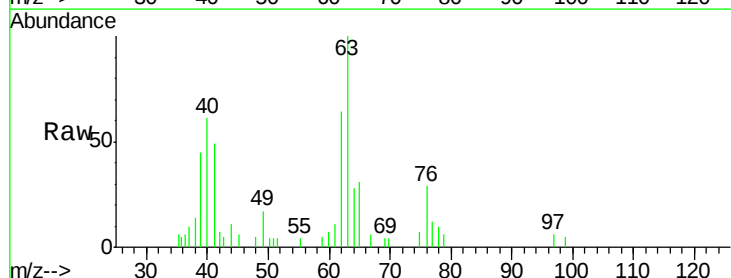
Acq: 29 Apr 2019 11:47

Tgt Ion: 63 Resp: 2761

Ion Ratio Lower Upper

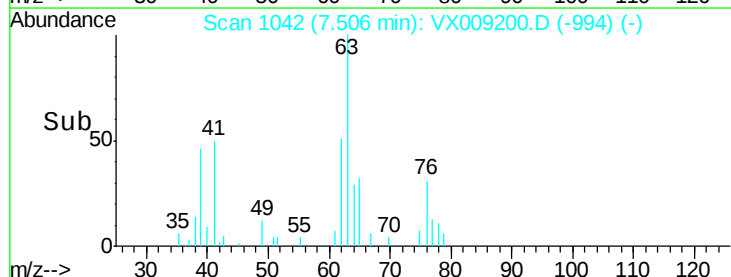
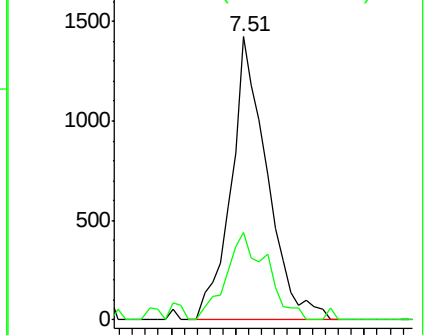
63 100

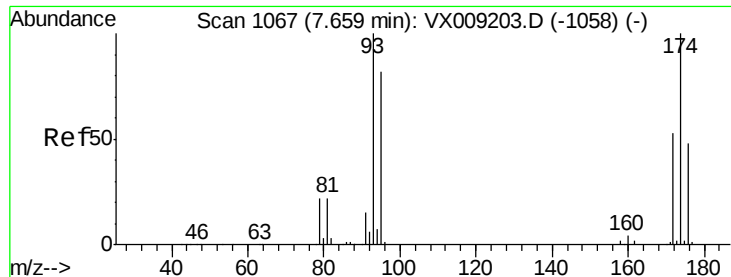
65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





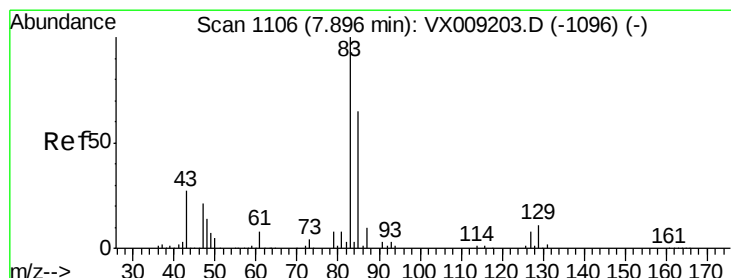
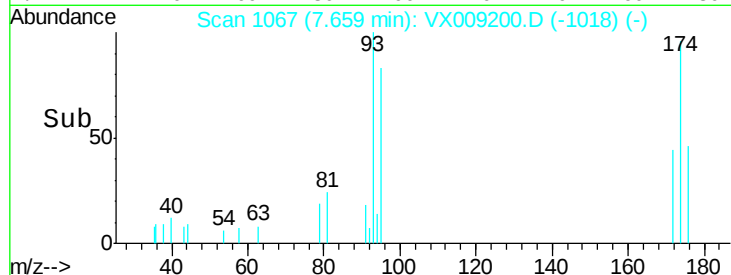
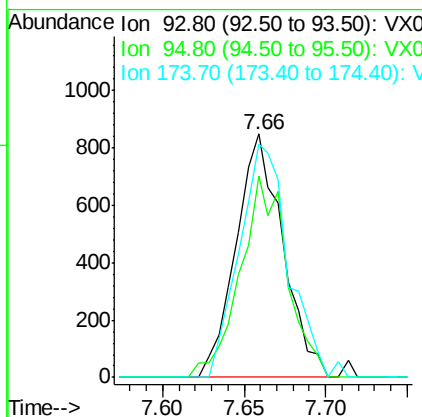
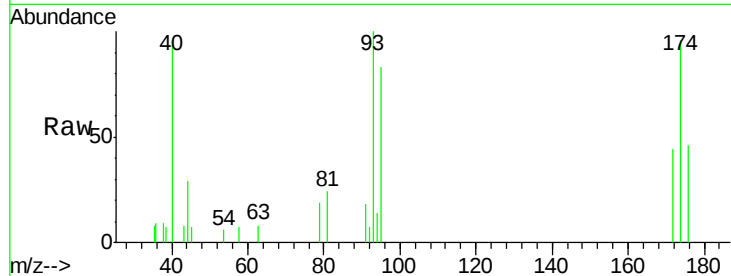
#46
Dibromomethane
Concen: 1.102 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.5	99.7
174	101.7	82.1	123.1

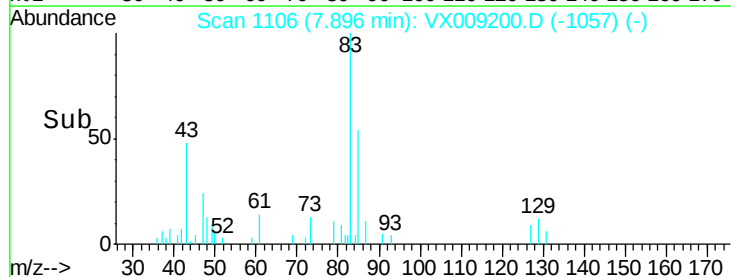
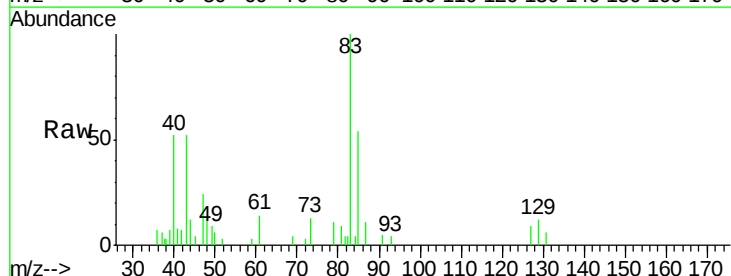
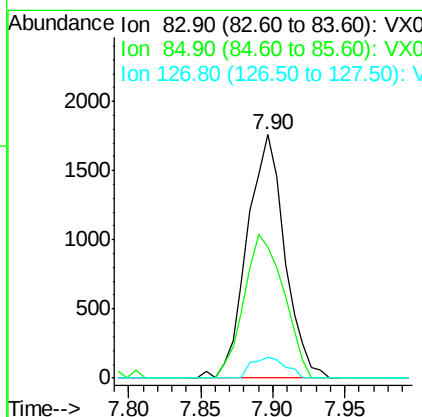
Manual Integrations
APPROVED

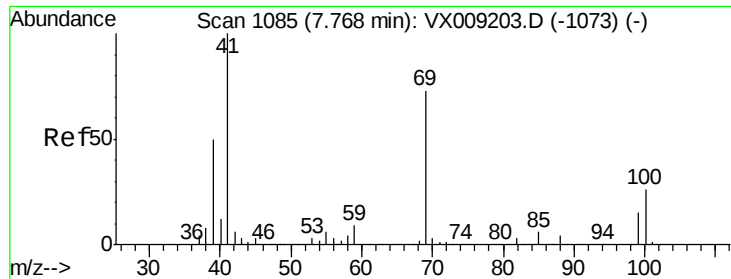
MMDadoda
4/30/2019 11:03:18 AM



#47
Bromodichloromethane
Concen: 1.050 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.9	52.4	78.6
127	8.8	6.6	10.0





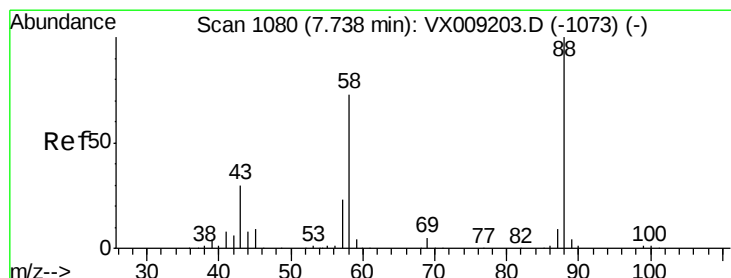
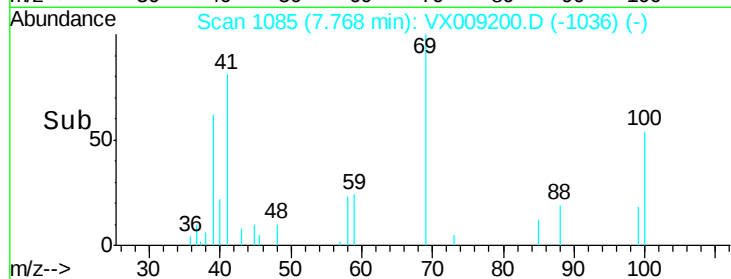
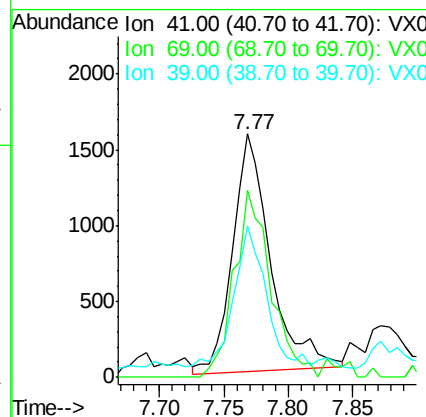
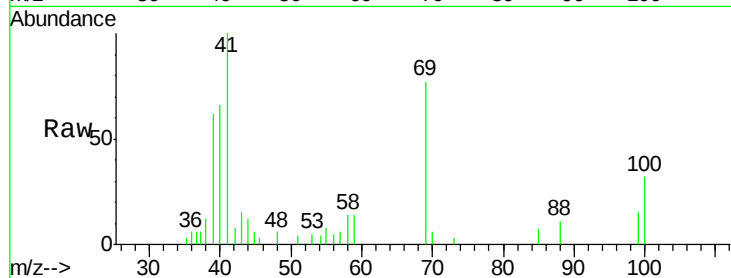
#48
Methvl methacrylate
Concen: 0.975 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.1	88.7
39	49.1	40.4	60.6

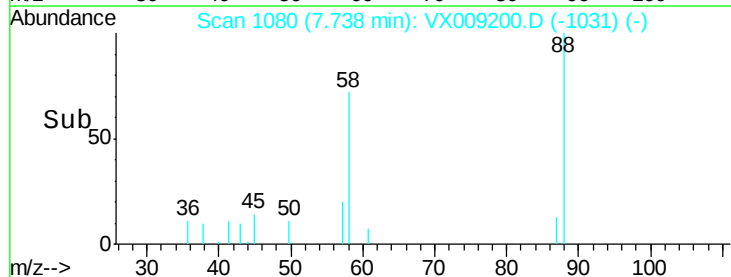
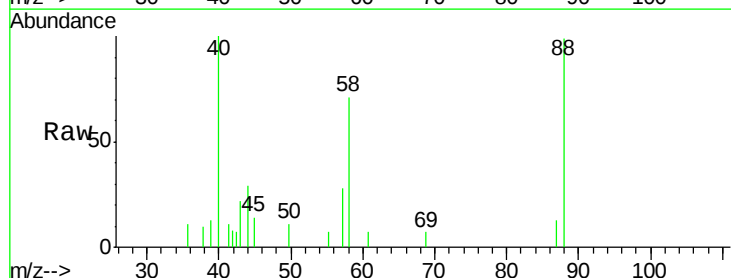
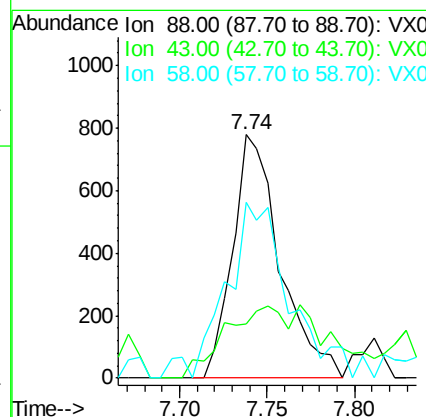
Manual Integrations
APPROVED

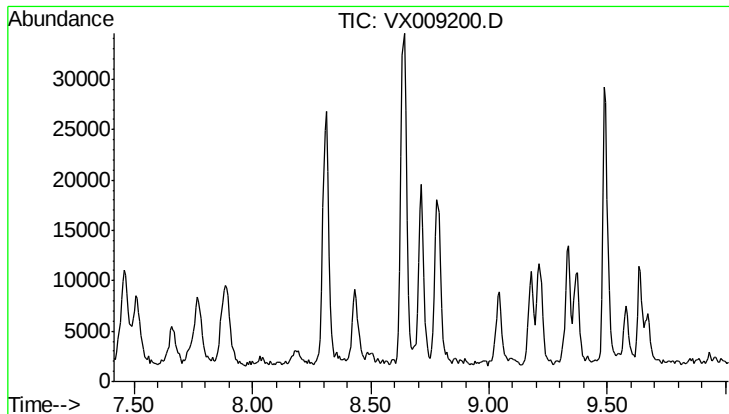
MMDadoda
4/30/2019 11:03:18 AM



#49
1,4-Dioxane
Concen: 23.281 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.2	28.6	42.8
58	96.1	61.7	92.5#





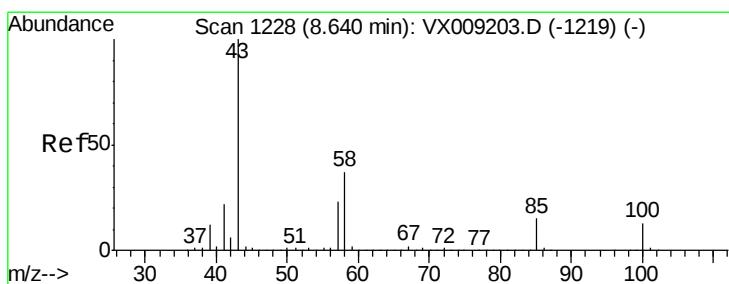
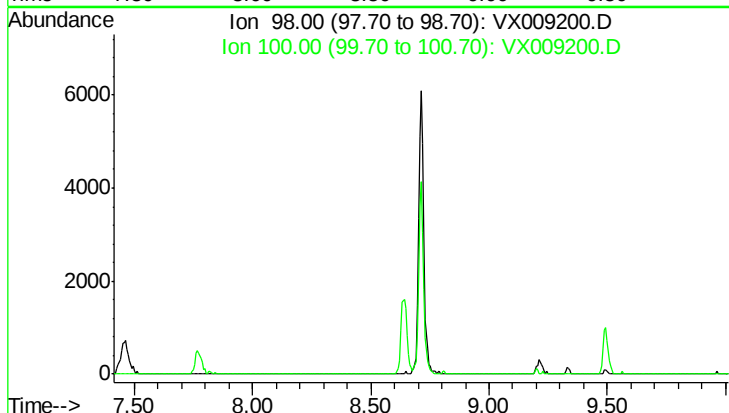
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

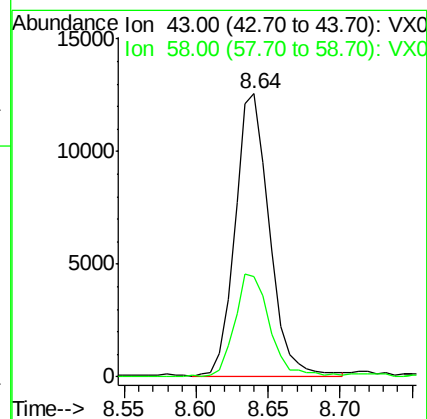
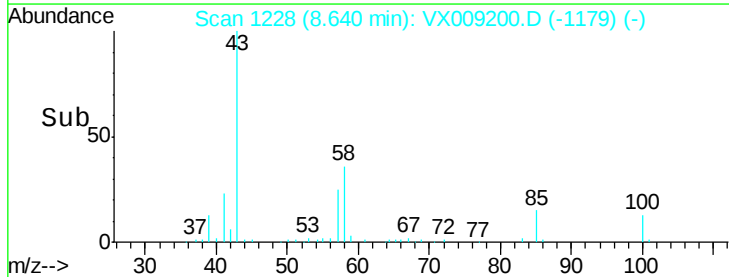
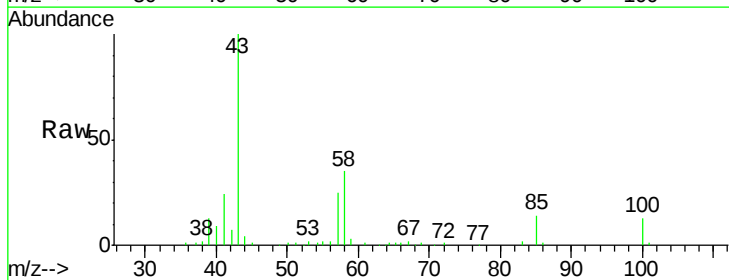
Manual Integrations
APPROVED

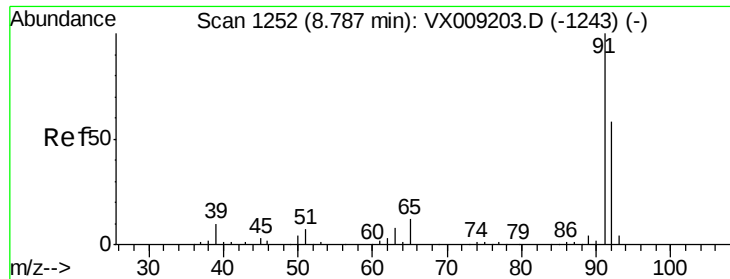
MMDadoda
4/30/2019 11:03:18 AM



#51
4-Methyl-2-Pentanone
Concen: 4.899 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 43 Resp: 20967
Ion Ratio Lower Upper
43 100
58 37.3 29.5 44.3





#52

Toluene

Concen: 1.044 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 5965

Ion Ratio Lower Upper

92 100

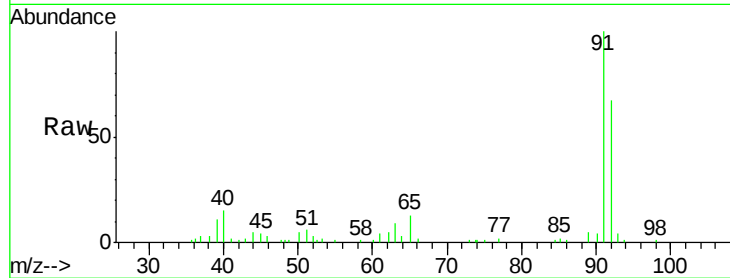
91 163.2 138.8 208.2

Manual Integrations

APPROVED

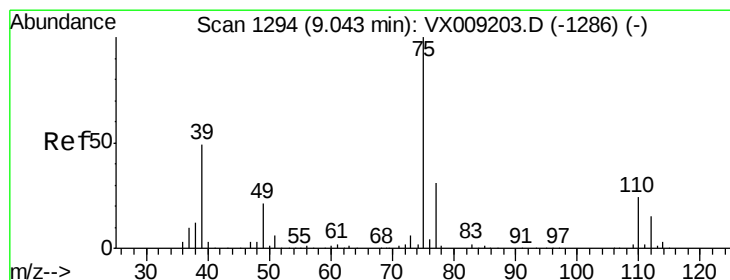
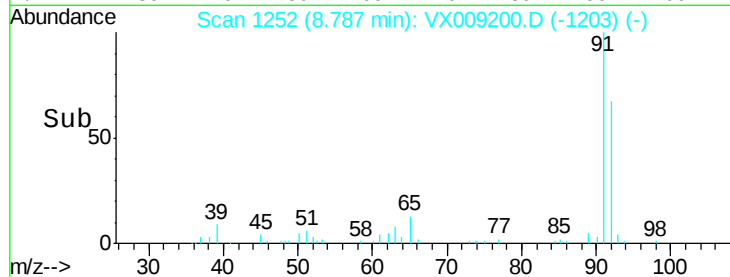
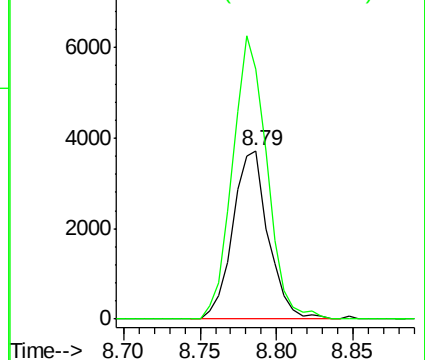
MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.891 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009200.D

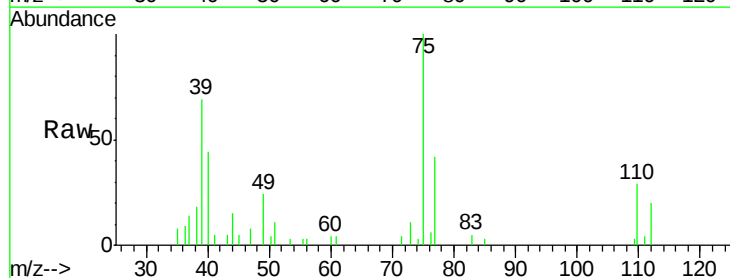
Acq: 29 Apr 2019 11:47

Tgt Ion: 75 Resp: 3082

Ion Ratio Lower Upper

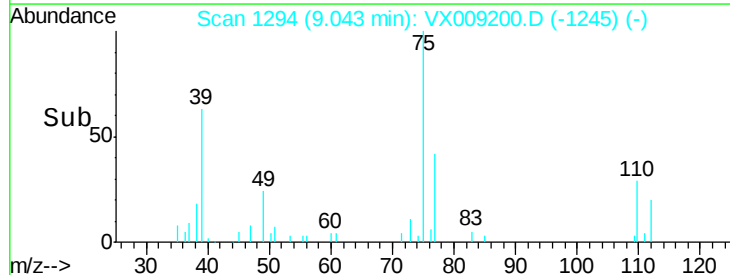
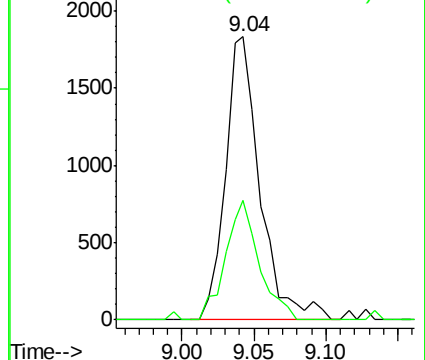
75 100

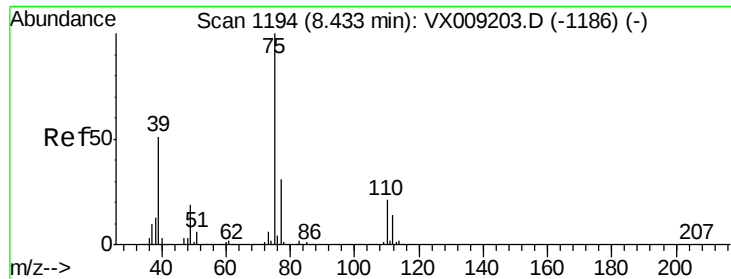
77 42.1 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

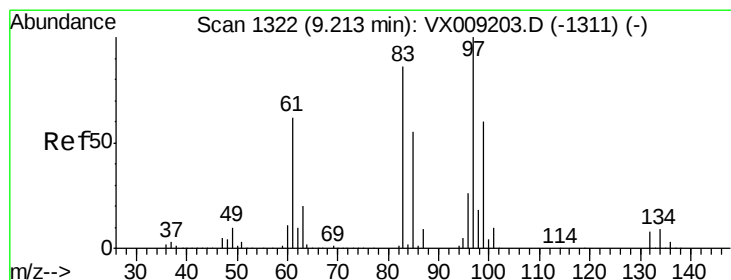
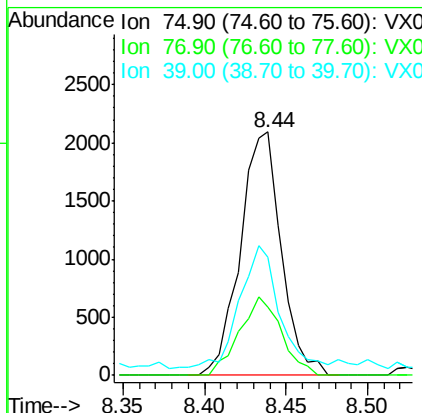
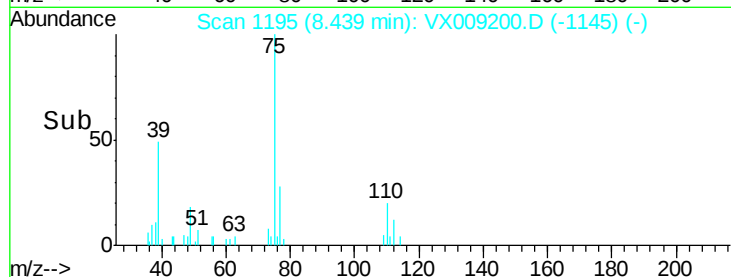
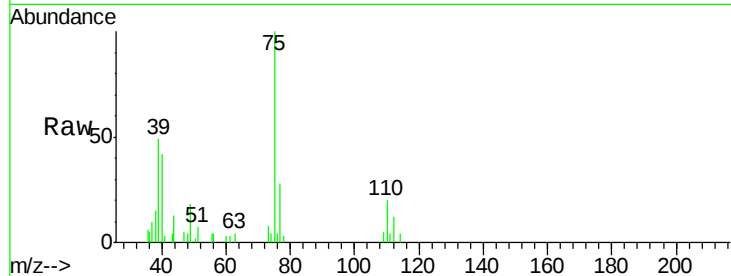
cis-1,3-Dichloropropene
 Concen: 0.945 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.6	36.8
39	45.6	40.6	60.8

Manual Integrations
 APPROVED

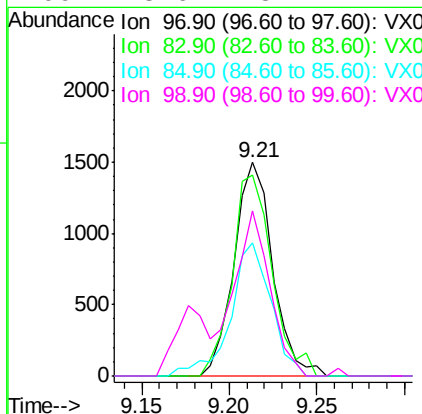
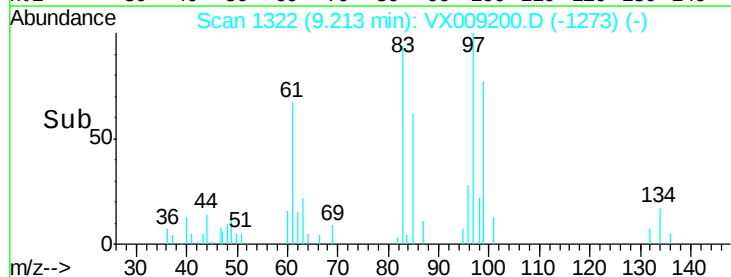
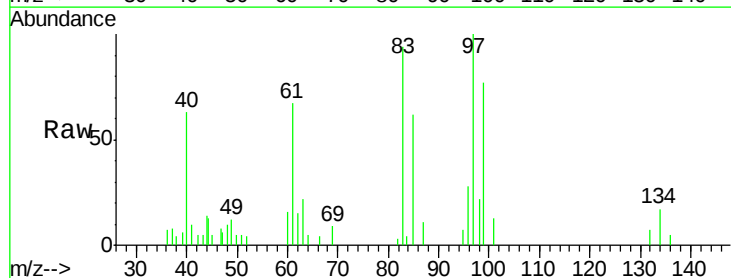
MMDadoda
 4/30/2019 11:03:18 AM

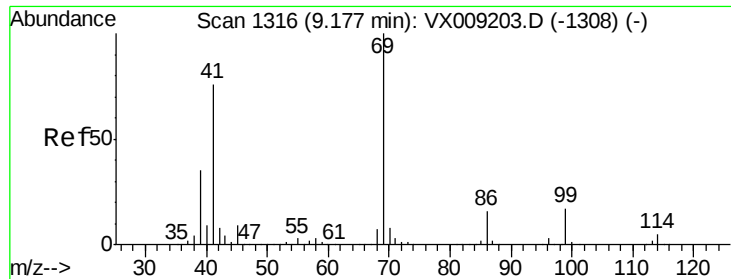


#55

1,1,2-Trichloroethane
 Concen: 1.016 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.8	68.9	103.3
85	62.2	43.8	65.6
99	73.6	48.2	72.2#





#56

Ethyl methacrylate

Concen: 0.935 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

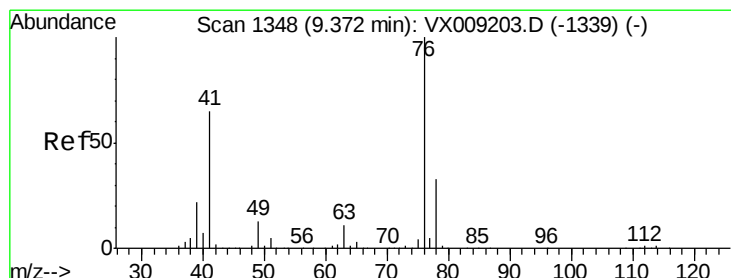
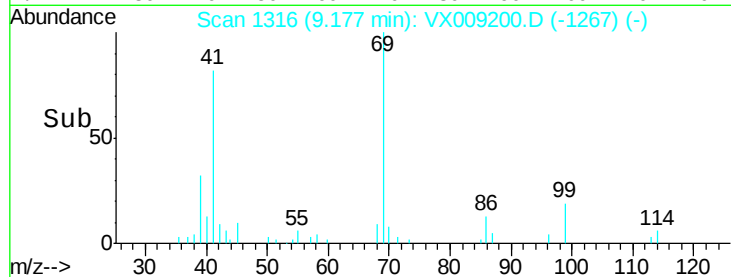
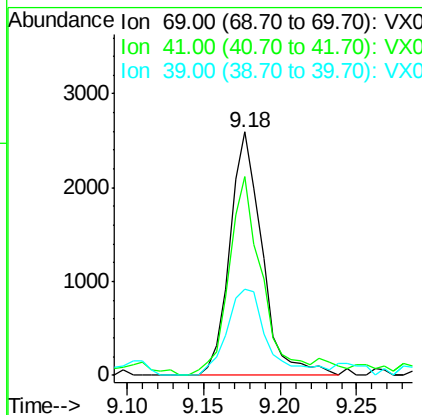
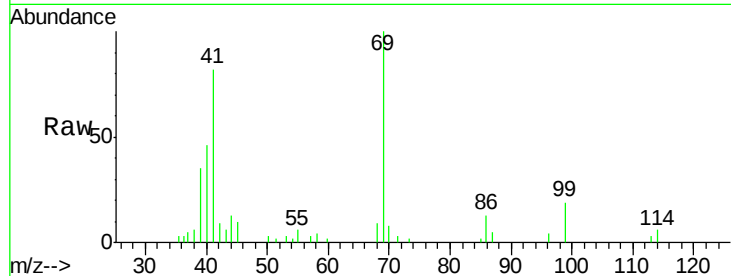
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	3805
Ion	Ratio	Lower	Upper
69	100		
41	83.0	60.6	90.8
39	42.7	28.2	42.4#

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#57

1,3-Dichloropropane

Concen: 1.054 ug/l

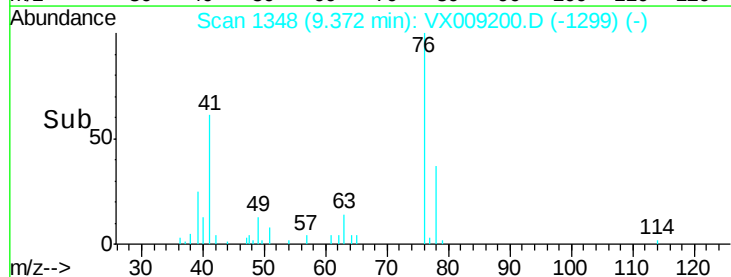
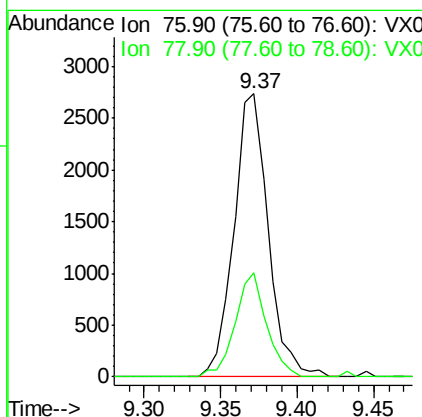
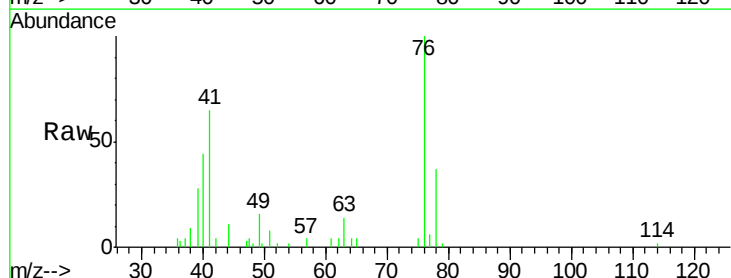
RT: 9.37 min Scan# 1348

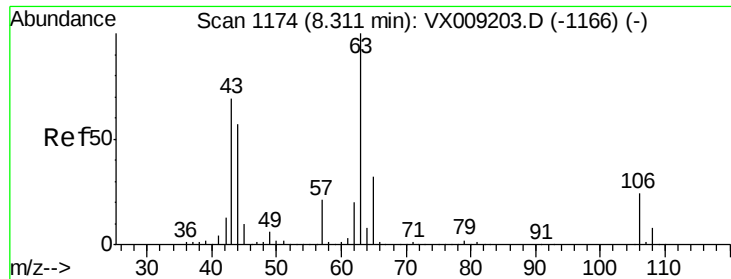
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	76	Resp:	4248
Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 4.674 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 10268

Ion Ratio Lower Upper

63 100

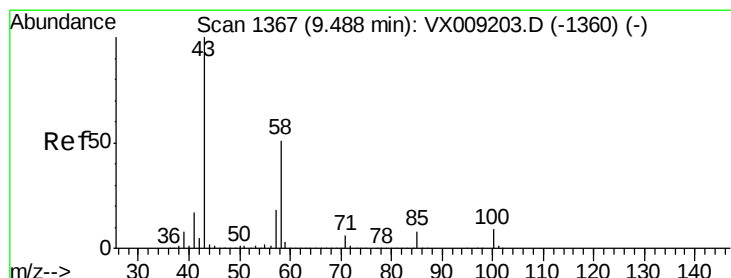
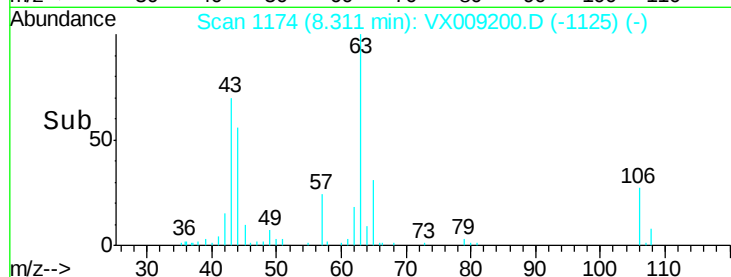
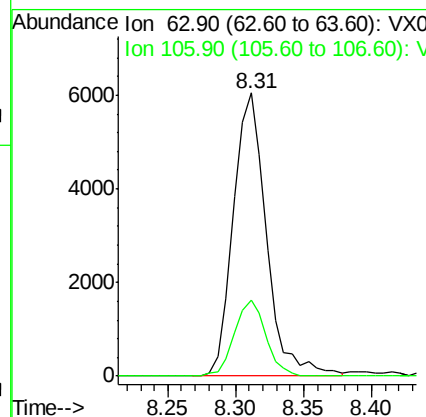
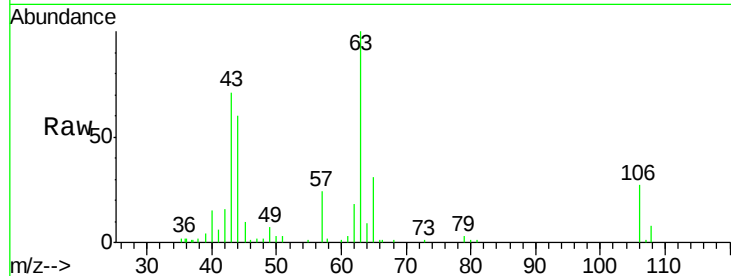
106 25.4 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#59

2-Hexanone

Concen: 5.005 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX009200.D

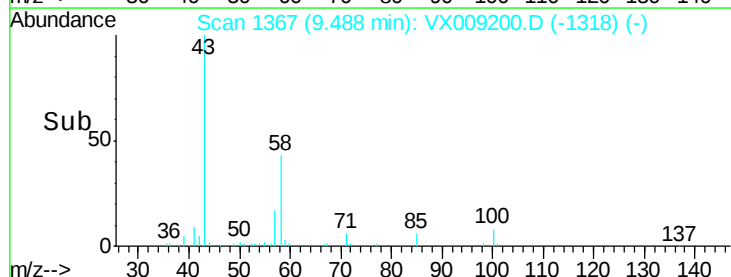
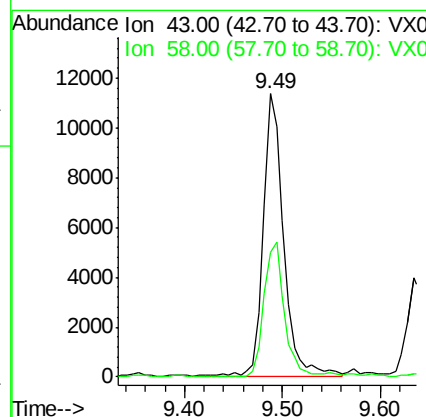
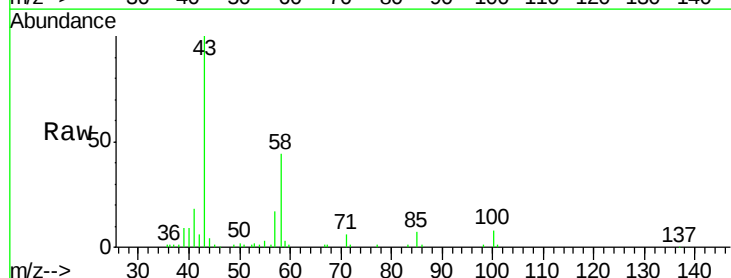
Acq: 29 Apr 2019 11:47

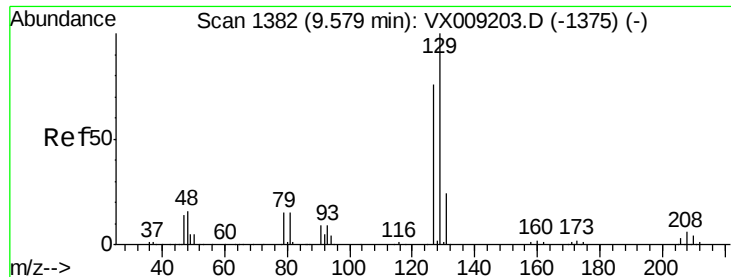
Tgt Ion: 43 Resp: 16600

Ion Ratio Lower Upper

43 100

58 47.4 25.9 77.7





#60

Dibromochloromethane

Concen: 0.972 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2116

Ion Ratio Lower Upper

129 100

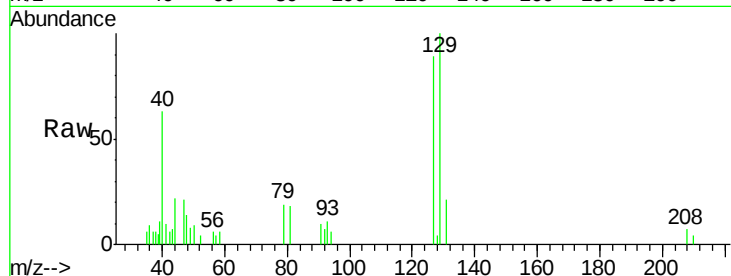
127 80.4 38.4 115.1

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

1500

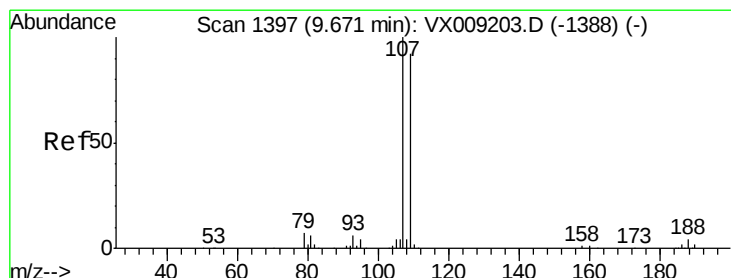
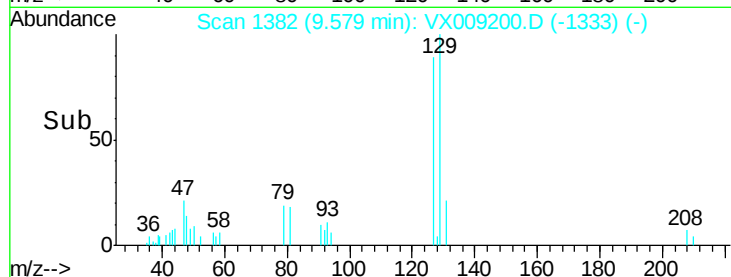
1000

500

0

9.55 9.60 9.65

Time-->



#61

1,2-Dibromoethane

Concen: 1.023 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009200.D

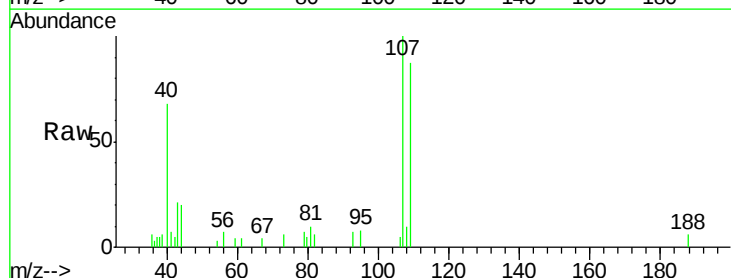
Acq: 29 Apr 2019 11:47

Tgt Ion:107 Resp: 2387

Ion Ratio Lower Upper

107 100

109 92.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

1500

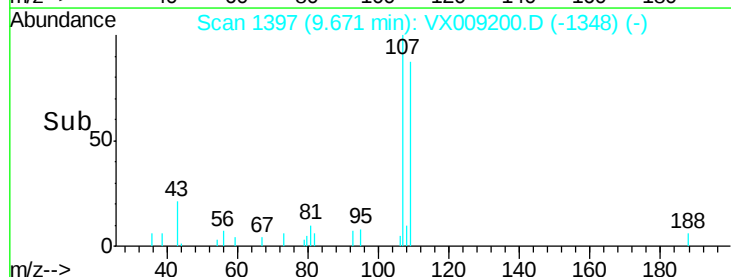
1000

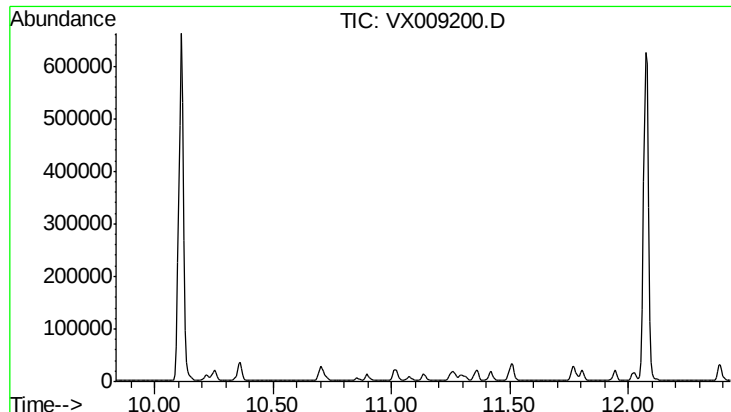
500

0

9.60 9.65 9.70 9.75

Time-->





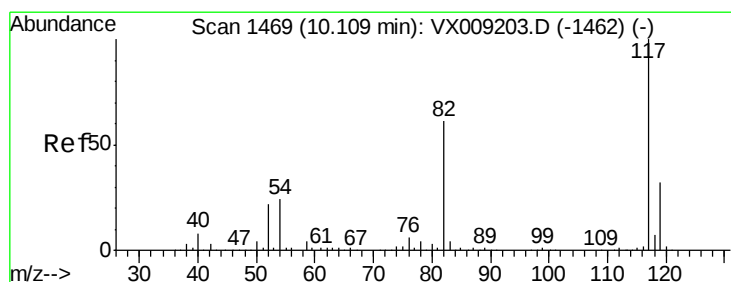
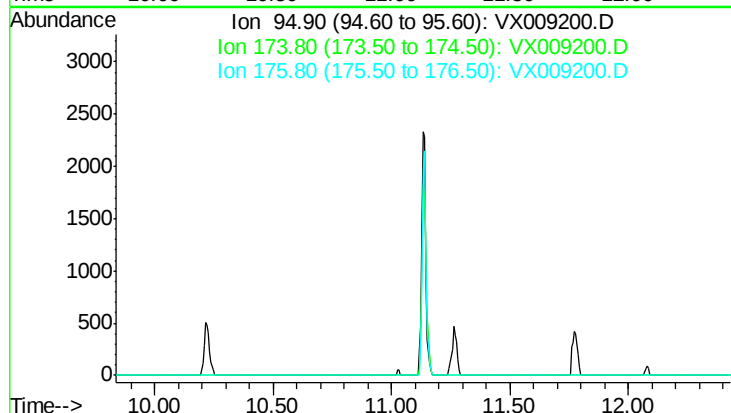
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.13 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 80.8
 176 79.6

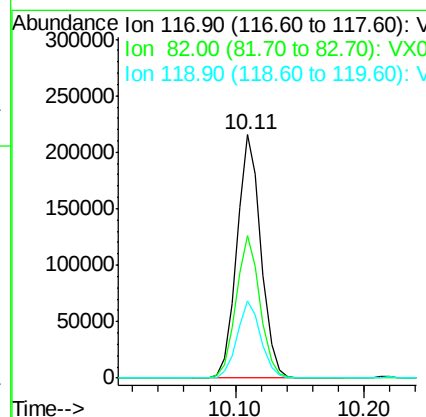
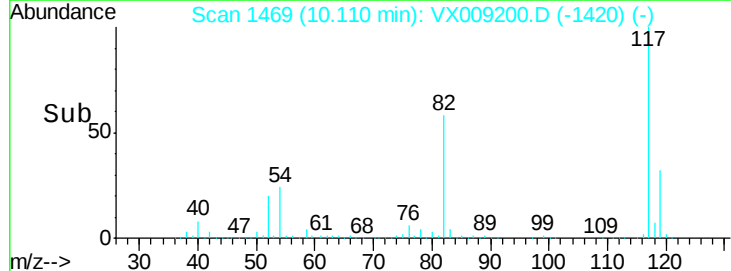
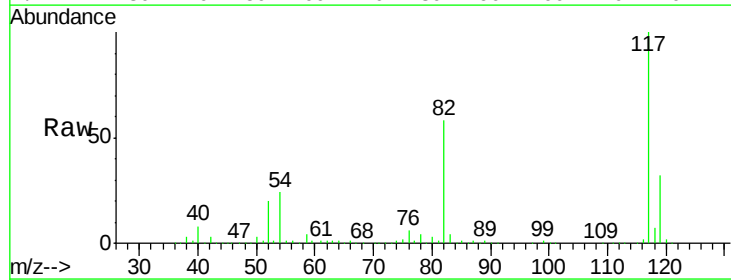
Manual Integrations
 APPROVED

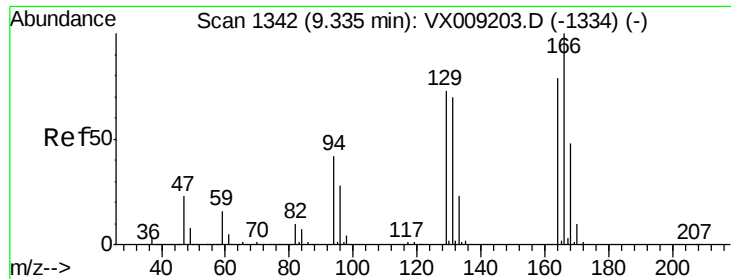
MMDadoda
 4/30/2019 11:03:18 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion: 117 Resp: 280187
 Ion Ratio Lower Upper
 117 100
 82 58.4 48.8 73.2
 119 31.8 25.8 38.6





#64

Tetrachloroethene

Concen: 1.044 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2198

Ion Ratio Lower Upper

164 100

166 117.4 101.2 151.8

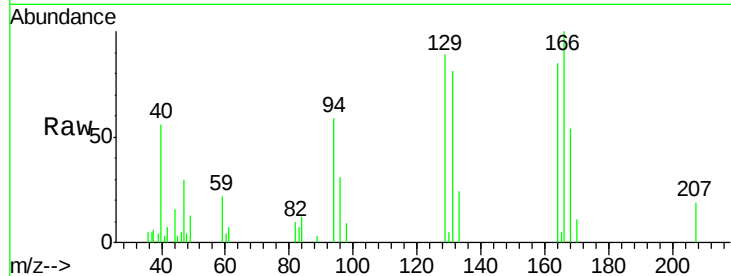
129 104.5 74.3 111.5

131 95.1 71.0 106.6

Manual Integrations
APPROVED

MMDadoda

4/30/2019 11:03:18 AM

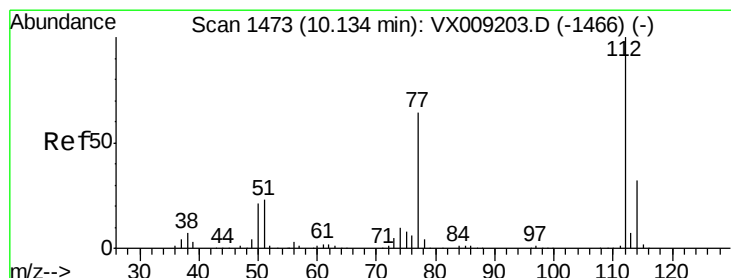
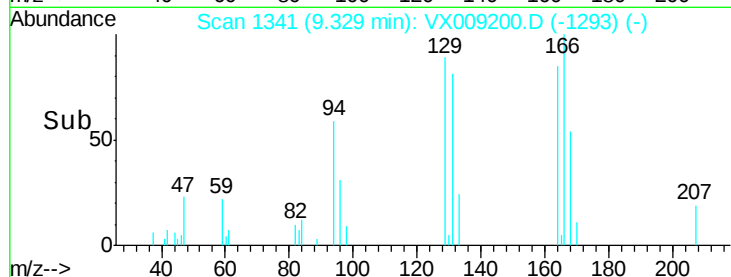
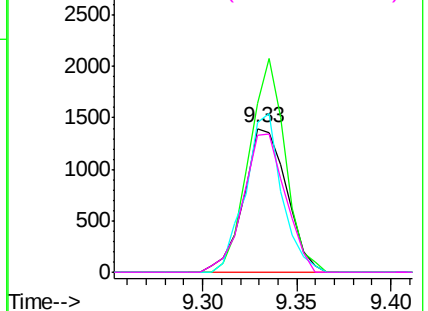


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.001 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009200.D

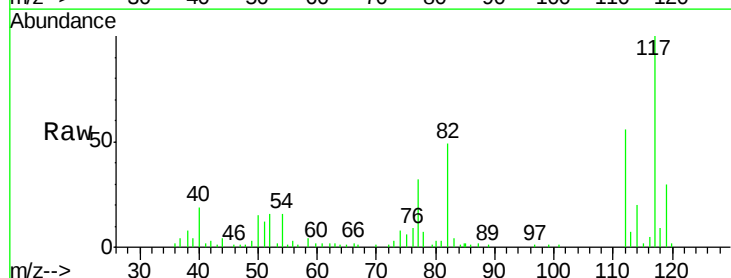
Acq: 29 Apr 2019 11:47

Tgt Ion:112 Resp: 5914

Ion Ratio Lower Upper

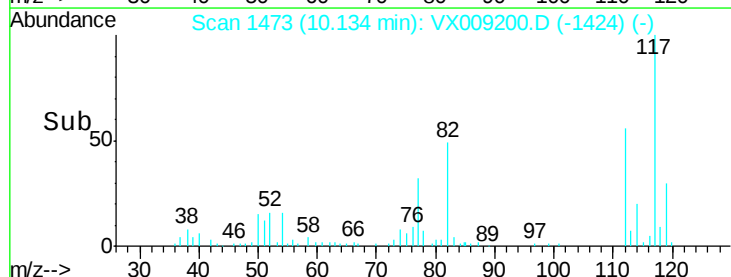
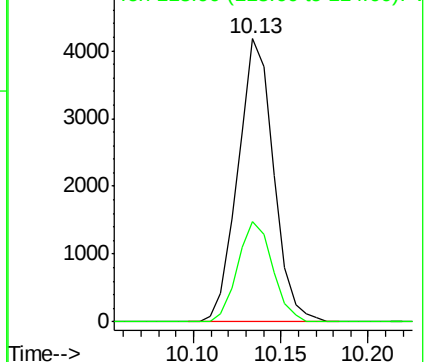
112 100

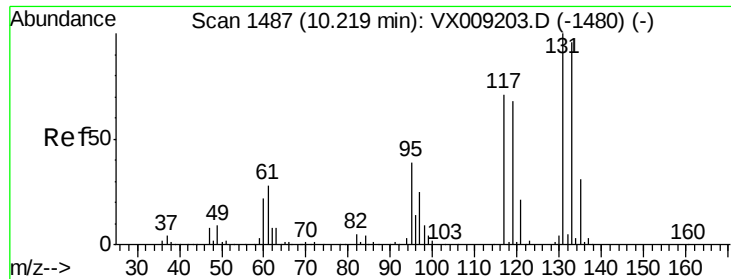
114 35.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





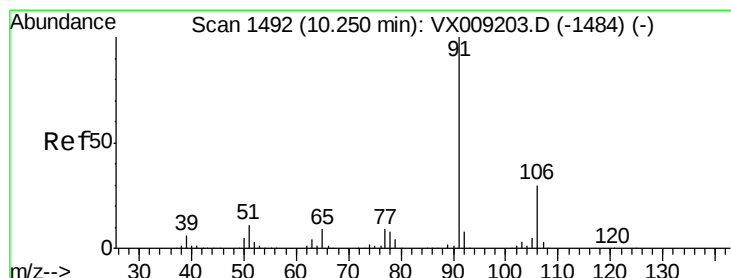
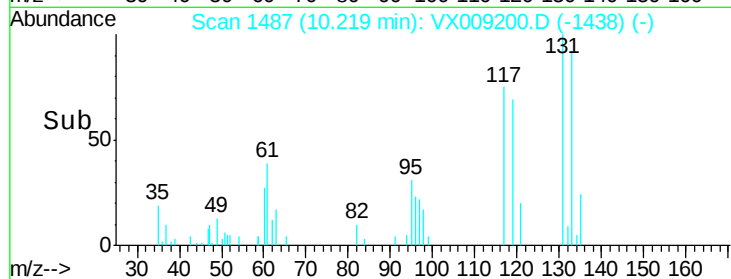
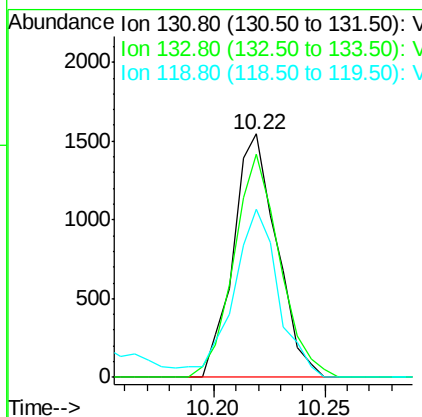
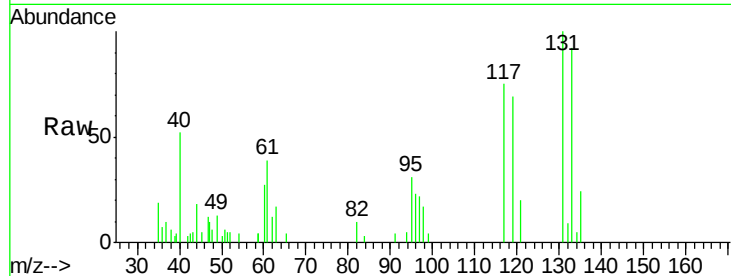
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.011 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.7	143.1
119	0.0	33.5	100.4#

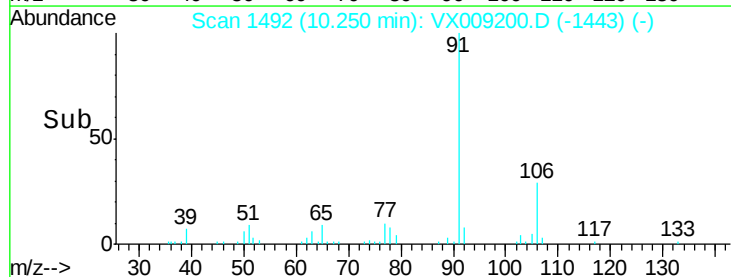
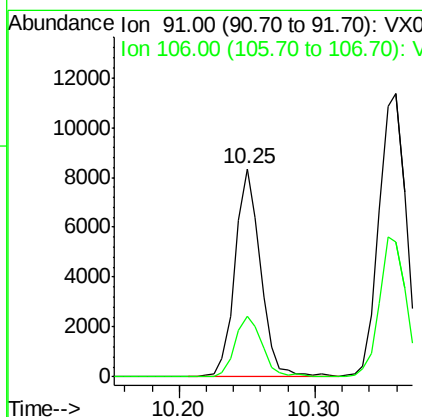
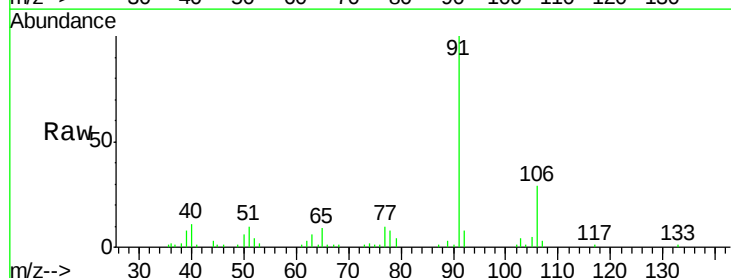
Manual Integrations
 APPROVED

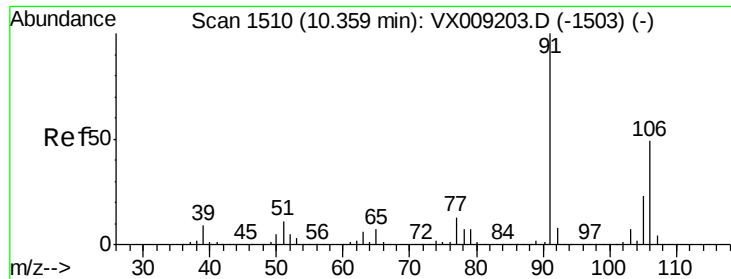
MMDadoda
 4/30/2019 11:03:18 AM



#67
 Ethyl Benzene
 Concen: 1.012 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.0	36.0





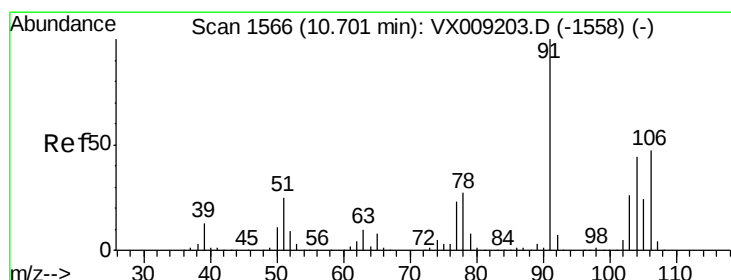
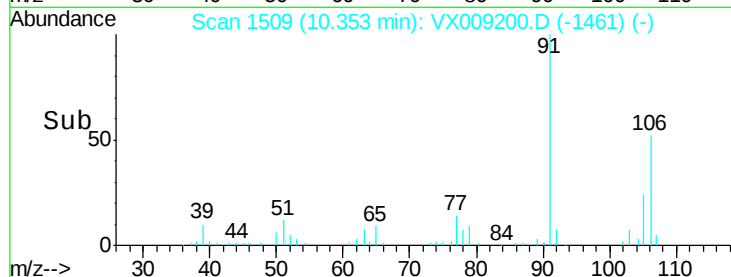
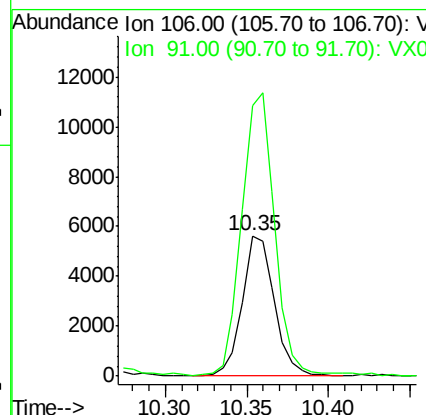
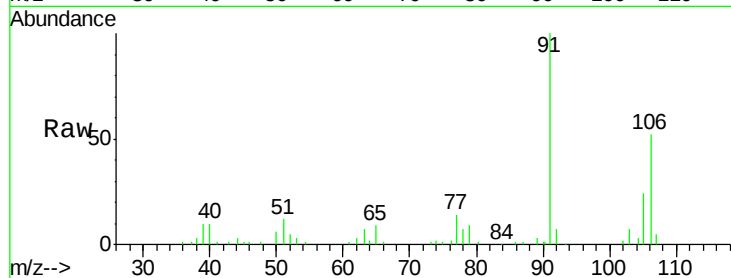
#68
m/p-Xylenes
Concen: 1.965 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 7726
Ion Ratio Lower Upper
106 100
91 207.8 164.0 246.0

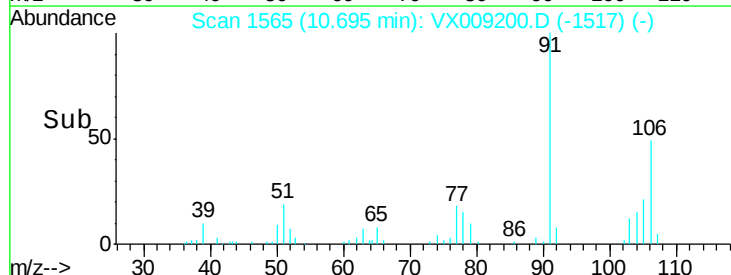
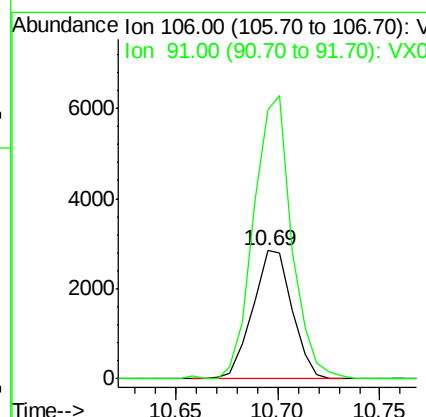
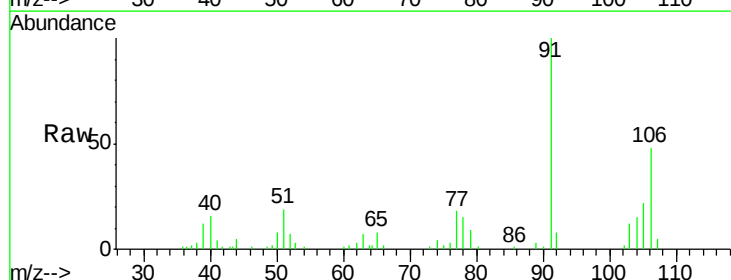
Manual Integrations
APPROVED

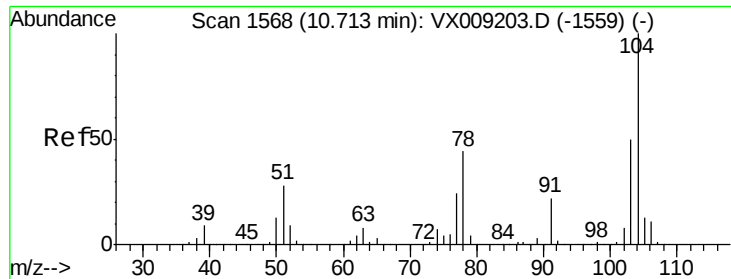
MMDadoda
4/30/2019 11:03:18 AM



#69
o-Xylene
Concen: 1.006 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion:106 Resp: 3847
Ion Ratio Lower Upper
106 100
91 212.7 109.5 328.4





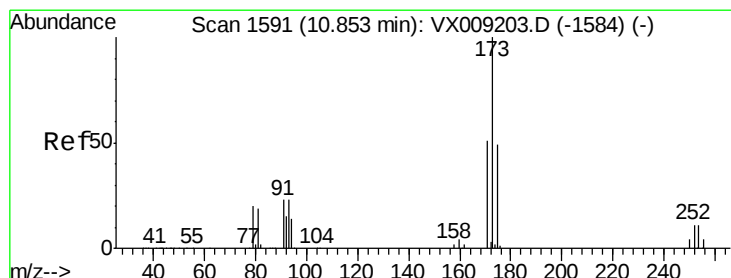
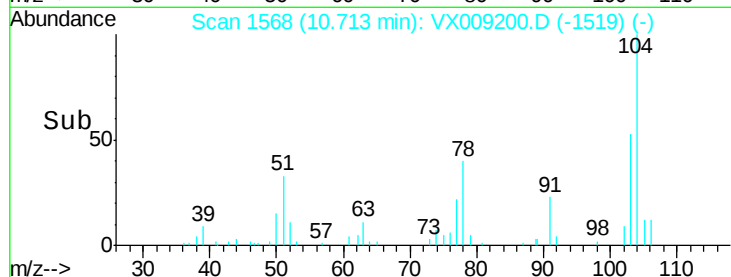
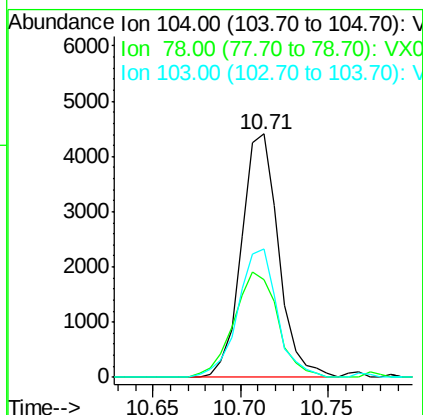
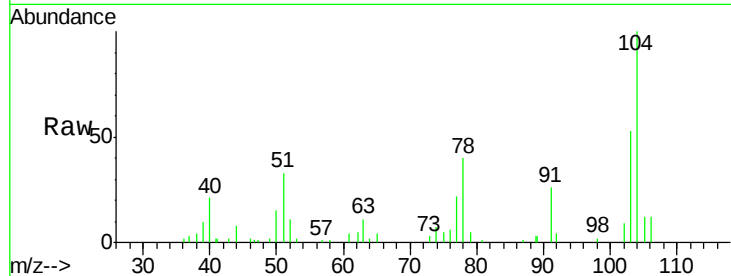
#70
Stvrene
Concen: 0.980 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.0	61.4
103	55.6	43.8	65.6

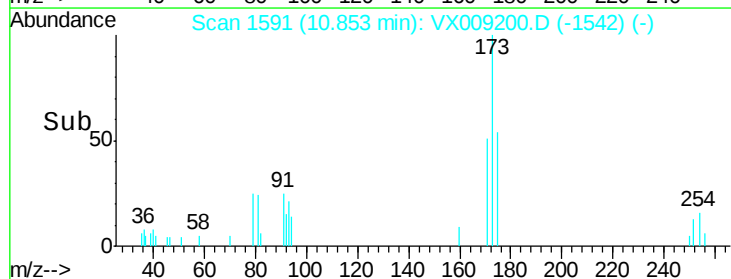
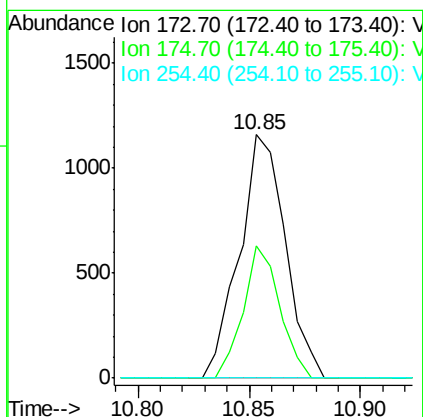
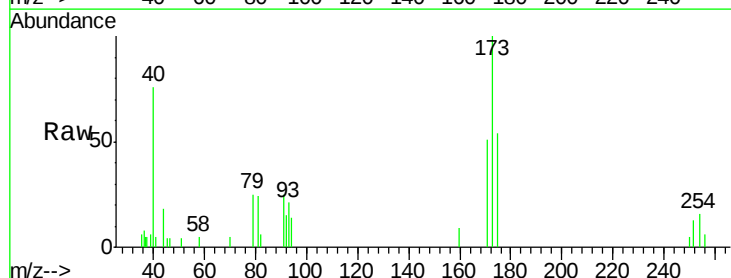
Manual Integrations
APPROVED

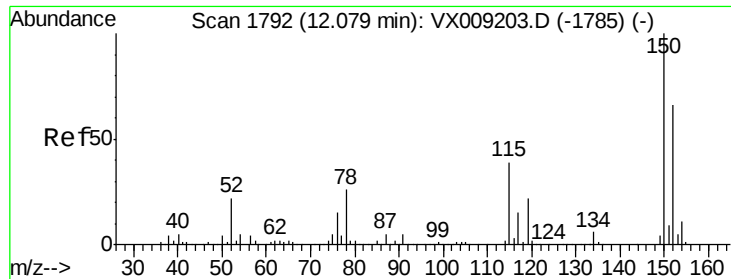
MMDadoda
4/30/2019 11:03:18 AM



#71
Bromoform
Concen: 1.001 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.3	24.5	73.5
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 127072

Ion Ratio Lower Upper

152 100

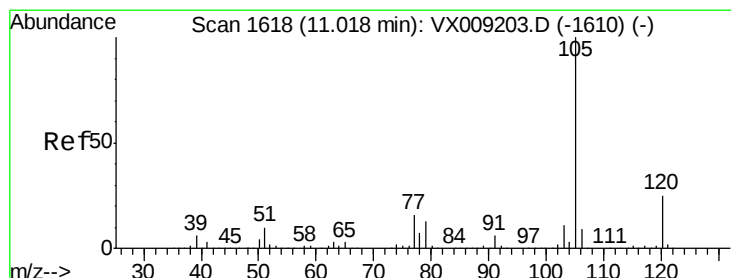
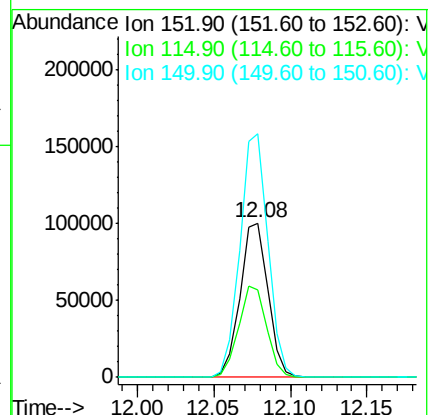
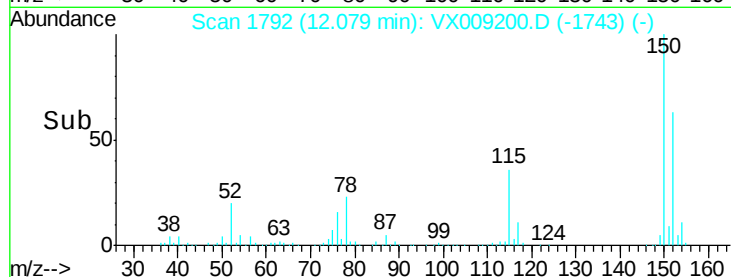
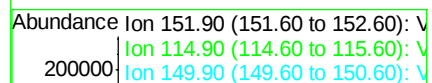
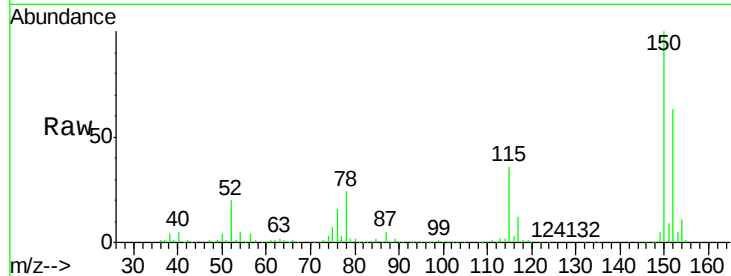
115 59.4 41.2 123.6

150 157.6 0.0 346.4

Manual Integrations
APPROVED

MMDadoda

4/30/2019 11:03:18 AM



#73

Isopropylbenzene

Concen: 1.069 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009200.D

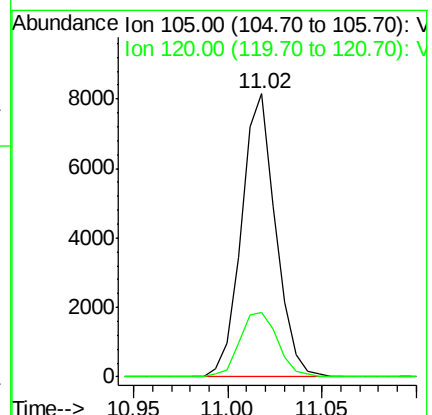
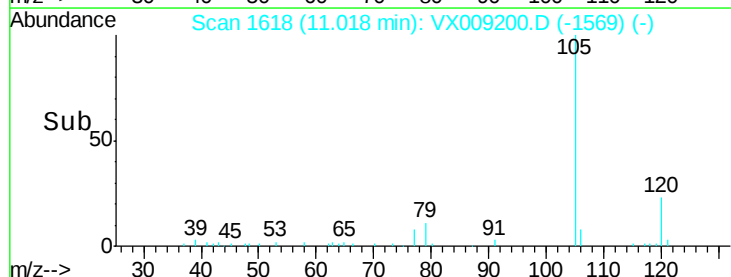
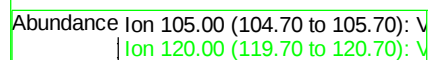
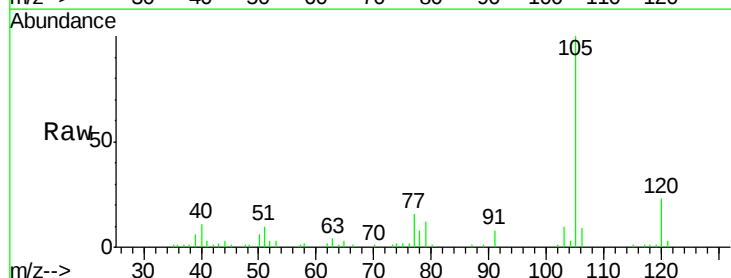
Acq: 29 Apr 2019 11:47

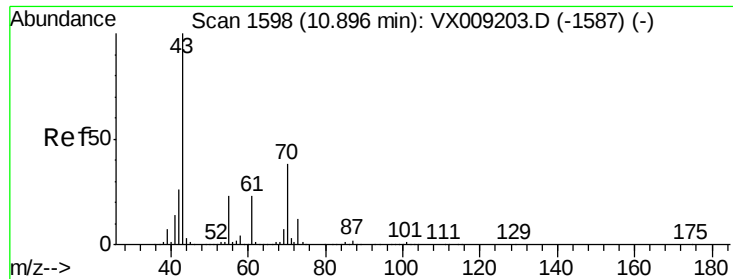
Tgt Ion:105 Resp: 10229

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3





#74

N-amvl acetate

Concen: 1.006 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

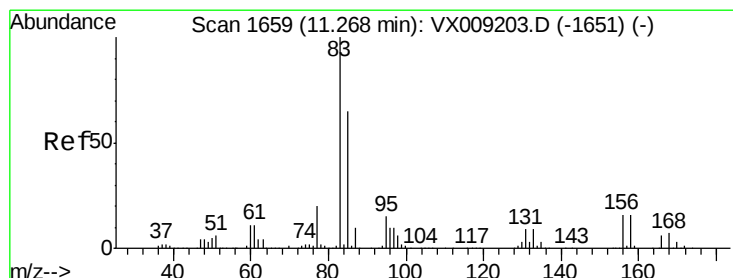
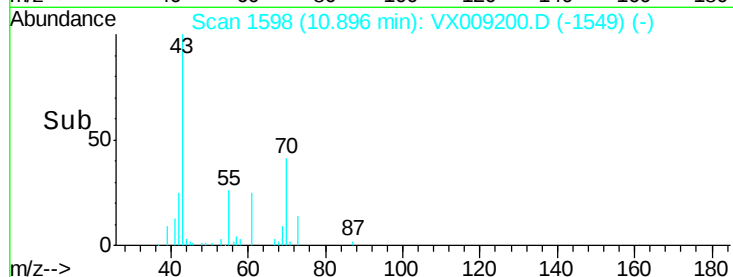
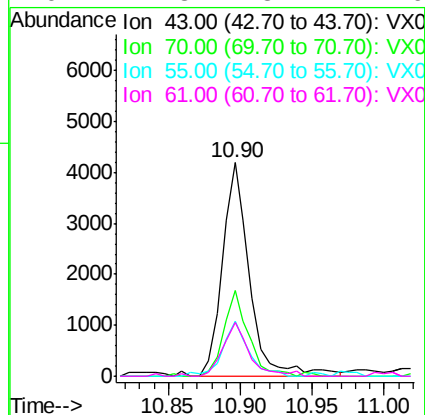
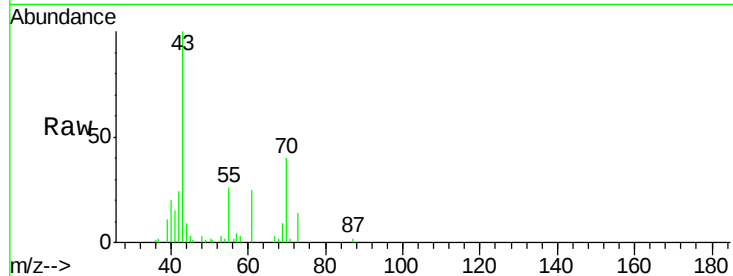
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	5559
Ion	Ratio	Lower	Upper
43	100		
70	36.2	30.0	45.0
55	24.8	17.9	26.9
61	24.3	18.4	27.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.089 ug/l

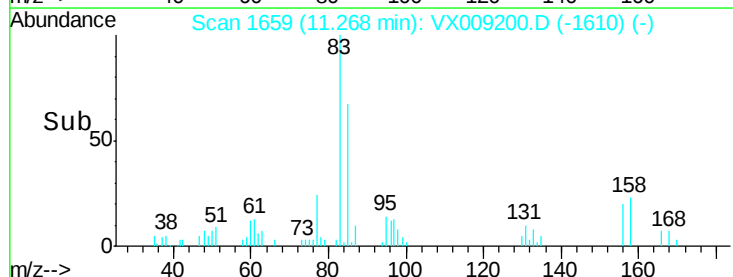
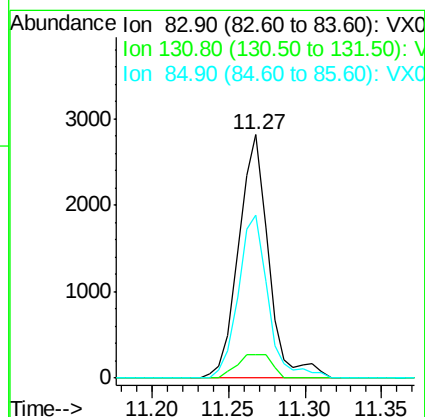
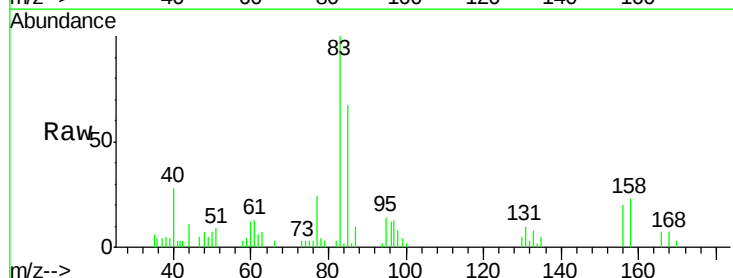
RT: 11.27 min Scan# 1659

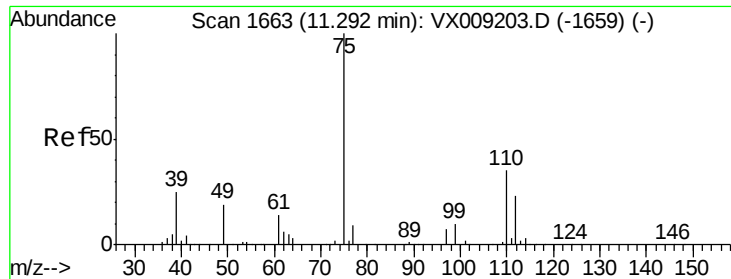
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	83	Resp:	3831
Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.6	13.8
85	66.5	32.0	96.2





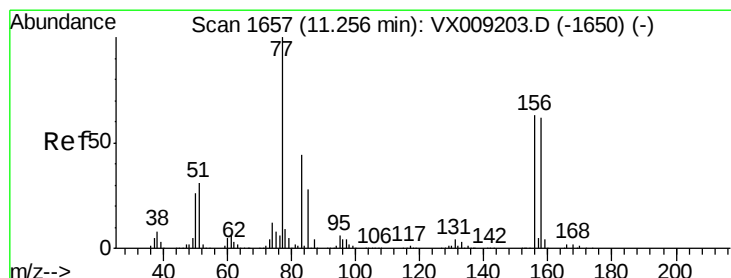
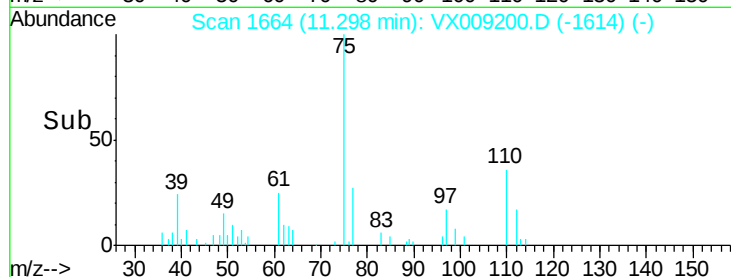
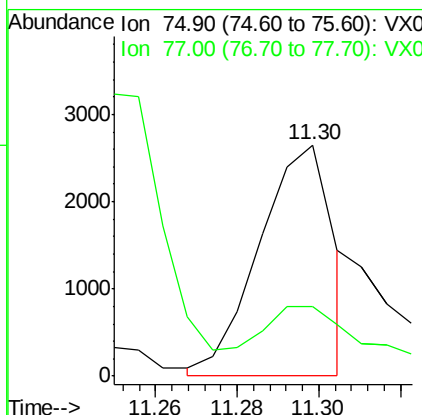
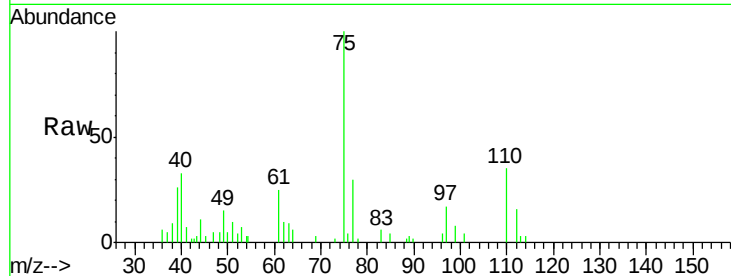
#76
1,2,3-Trichloropropane
Concen: 1.076 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 3326
Ion Ratio Lower Upper
75 100
77 42.2 22.1 66.1

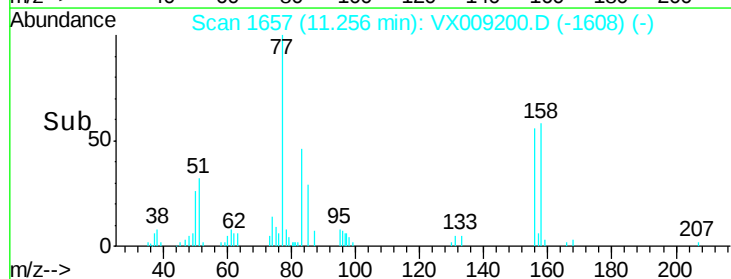
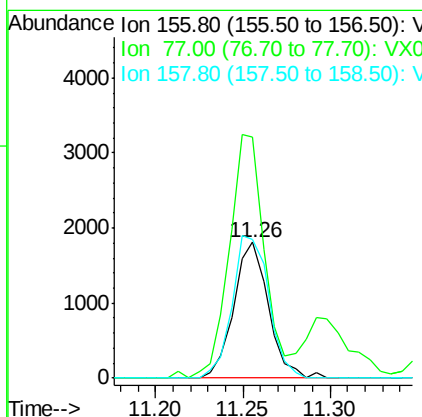
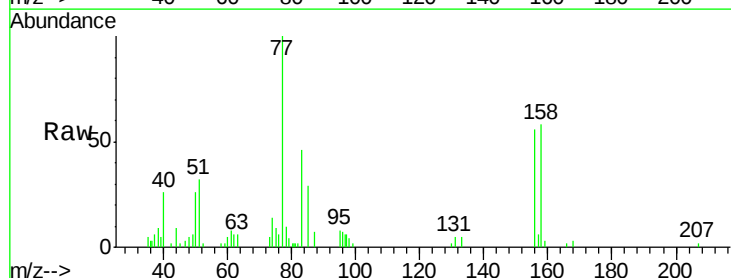
Manual Integrations
APPROVED

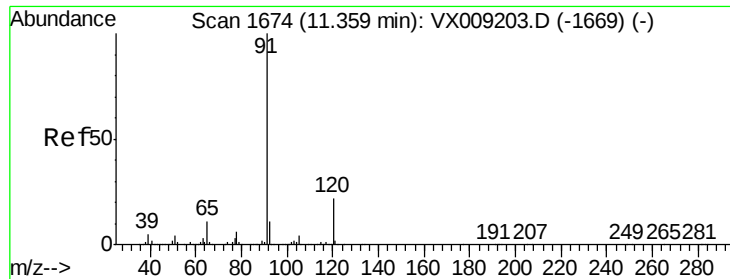
MMDadoda
4/30/2019 11:03:18 AM



#77
Bromobenzene
Concen: 1.031 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 156 Resp: 2490
Ion Ratio Lower Upper
156 100
77 181.5 84.8 254.3
158 110.9 49.1 147.3





#78

n-propylbenzene

Concen: 1.011 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 11088

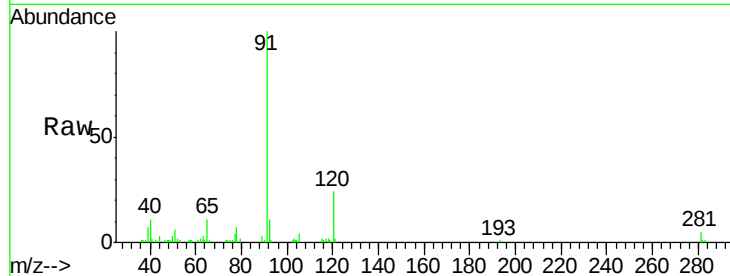
Ion Ratio Lower Upper

91 100

120 21.9 11.0 33.0

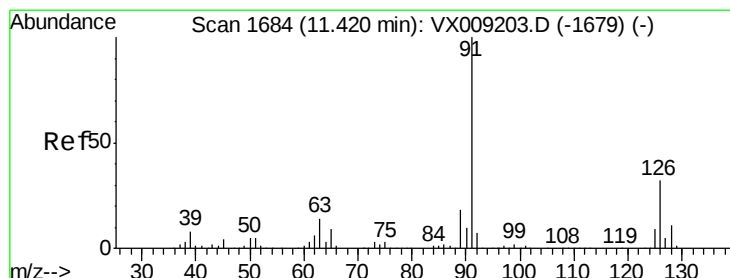
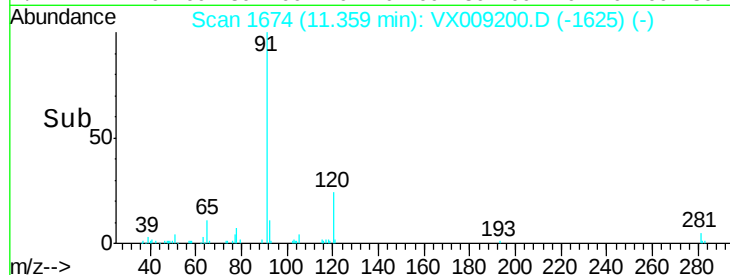
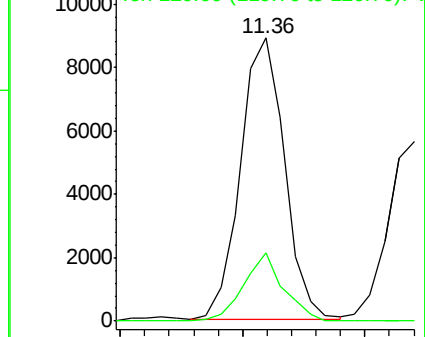
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.138 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009200.D

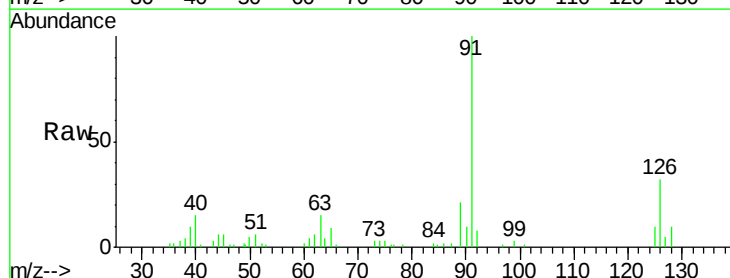
Acq: 29 Apr 2019 11:47

Tgt Ion: 91 Resp: 7541

Ion Ratio Lower Upper

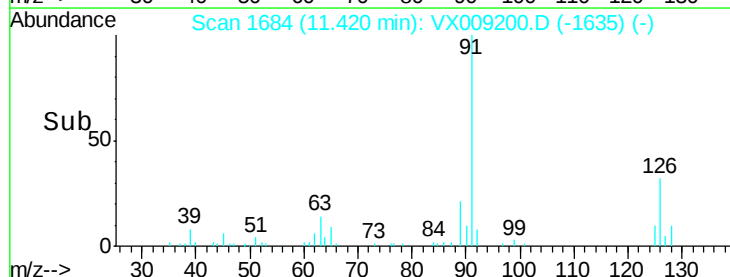
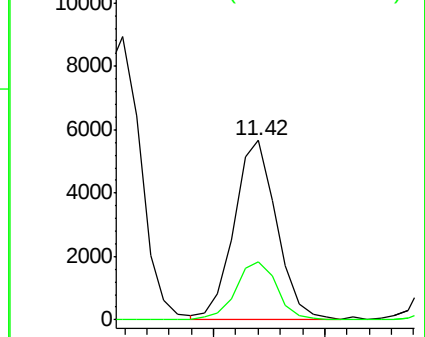
91 100

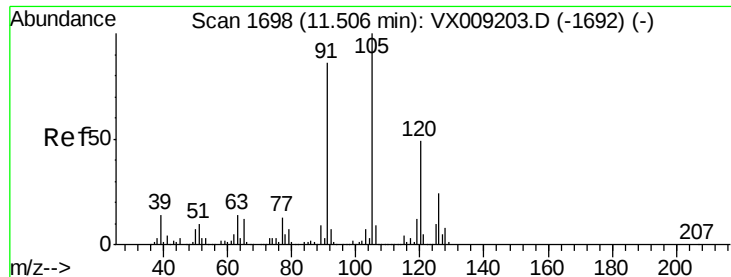
126 31.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





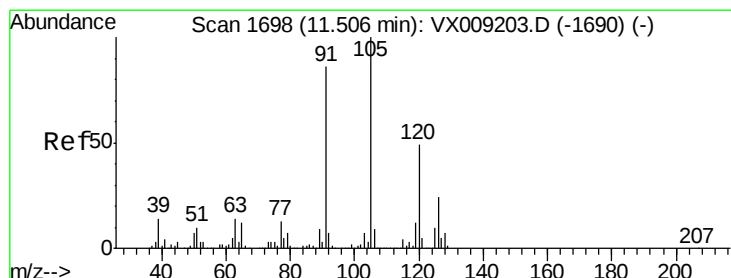
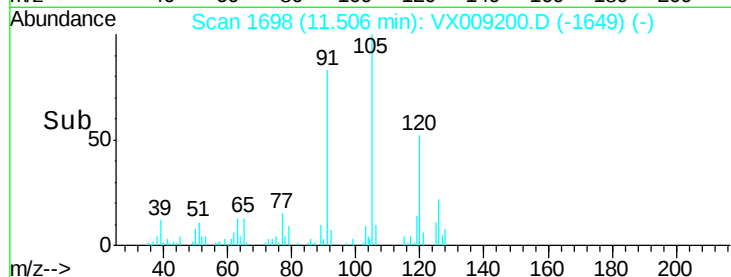
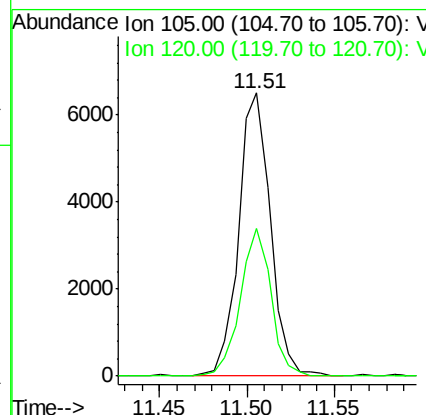
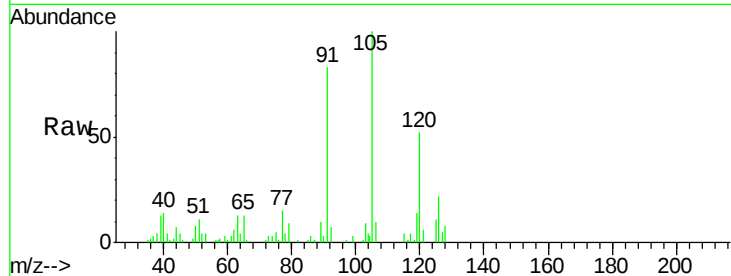
#80
 1,3,5-Trimethylbenzene
 Concen: 1.019 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.3	72.9

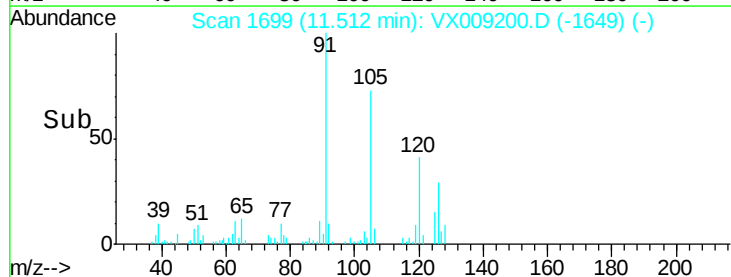
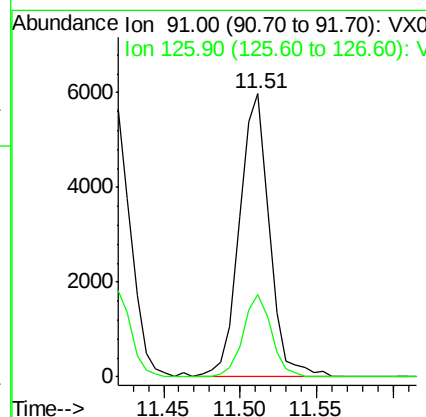
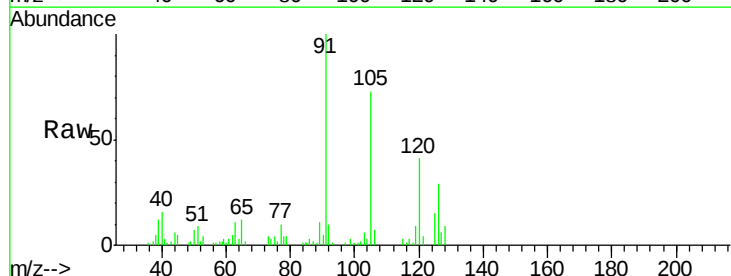
Manual Integrations
 APPROVED

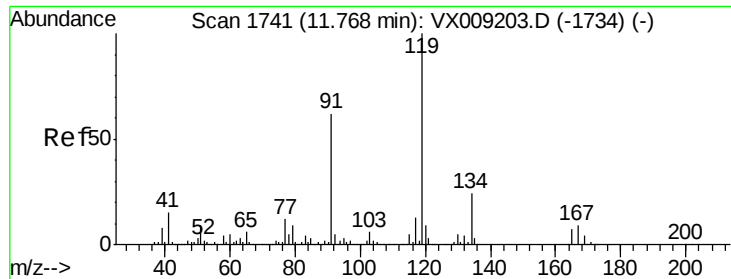
MMDadoda
 4/30/2019 11:03:18 AM



#82
 4-Chlorotoluene
 Concen: 1.055 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.5	43.6





#83

tert-Butylbenzene

Concen: 1.056 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

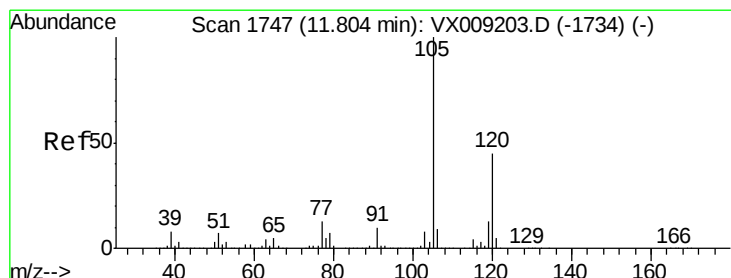
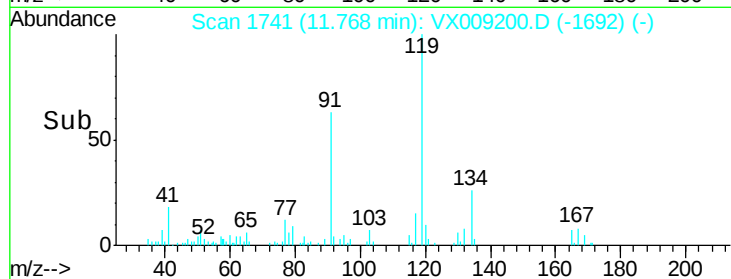
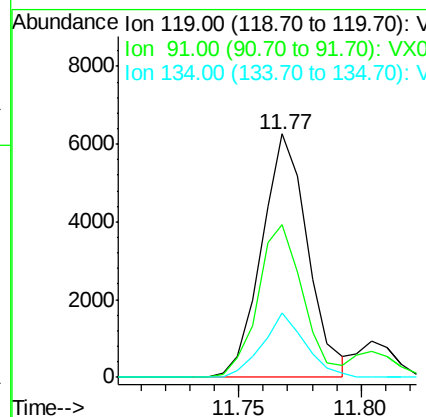
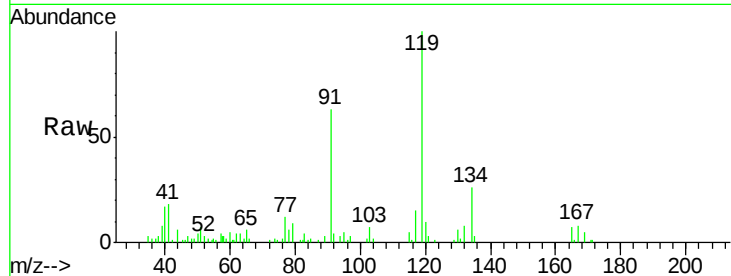
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	8172
Ion	Ratio	Lower	Upper
119	100		
91	62.3	29.5	88.5
134	24.7	11.4	34.1

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#84

1,2,4-Trimethylbenzene

Concen: 1.001 ug/l

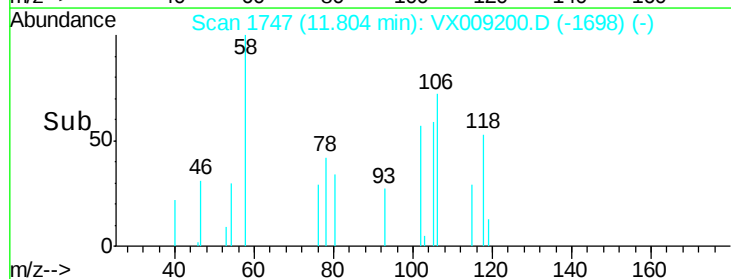
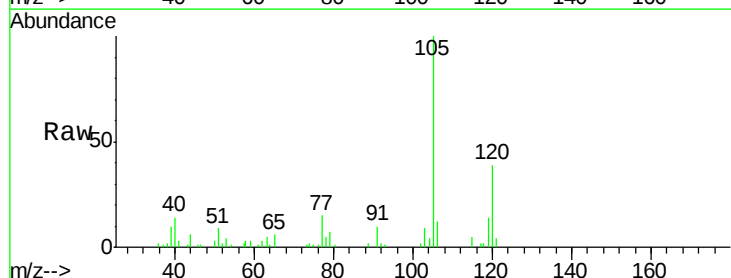
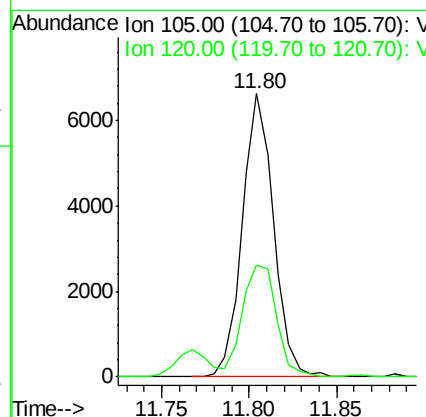
RT: 11.80 min Scan# 1747

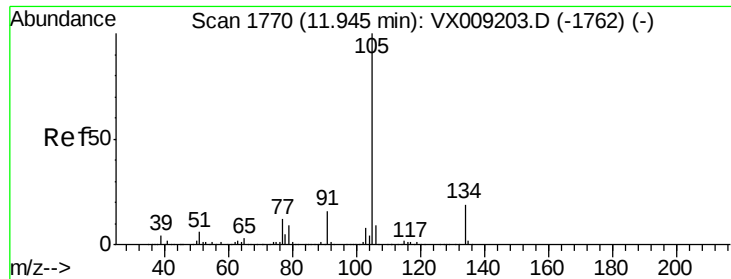
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	105	Resp:	8194
Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 1.032 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 9504

Ion Ratio Lower Upper

105 100

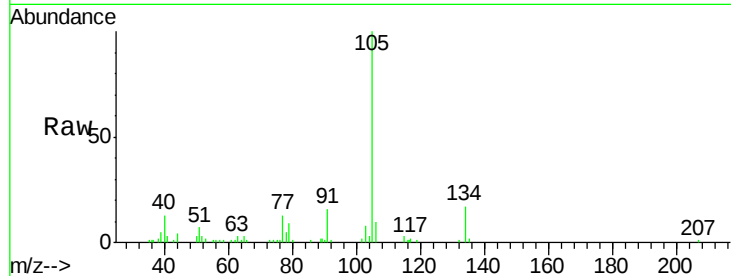
134 19.4 9.7 28.9

Manual Integrations

APPROVED

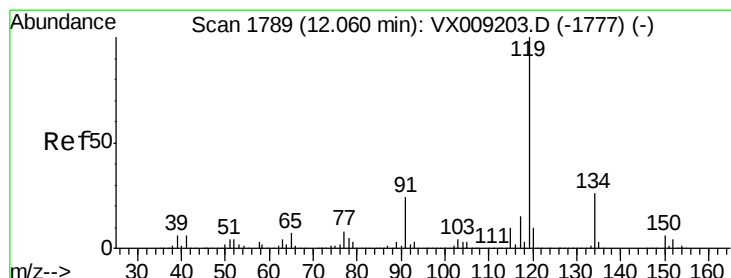
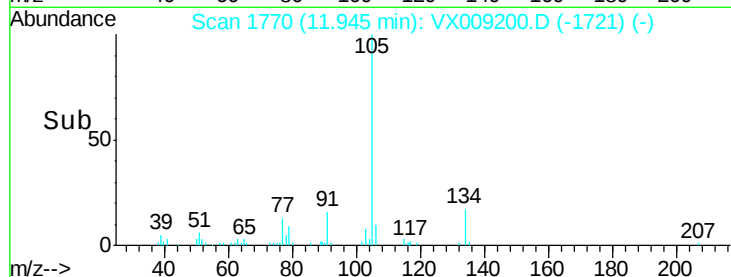
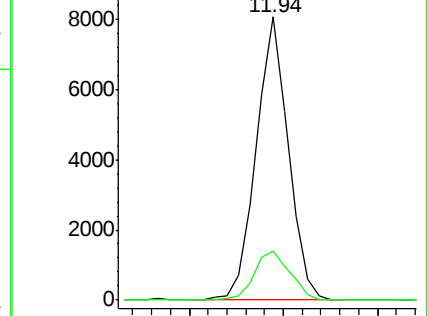
MMDadoda

4/30/2019 11:03:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.962 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

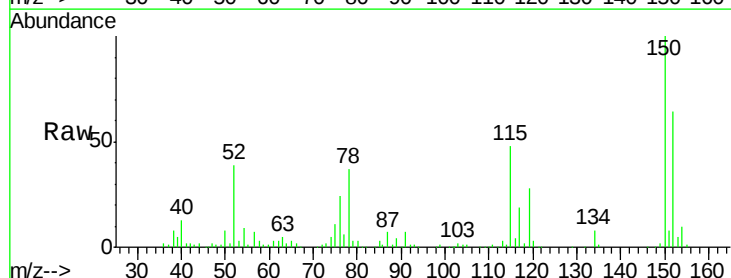
Tgt Ion:119 Resp: 8141

Ion Ratio Lower Upper

119 100

134 27.1 12.9 38.7

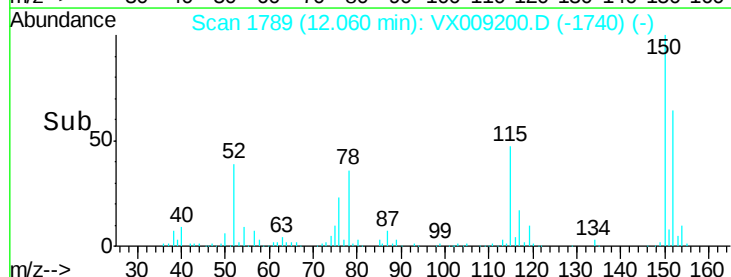
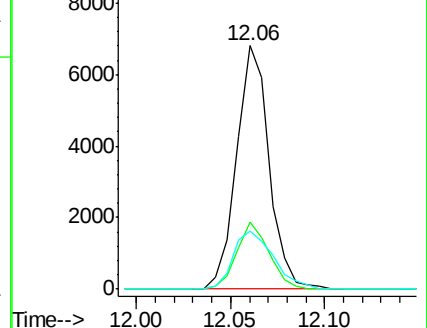
91 29.3 11.8 35.4

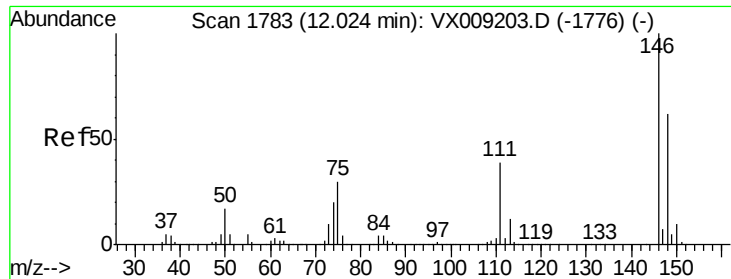


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.050 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_X

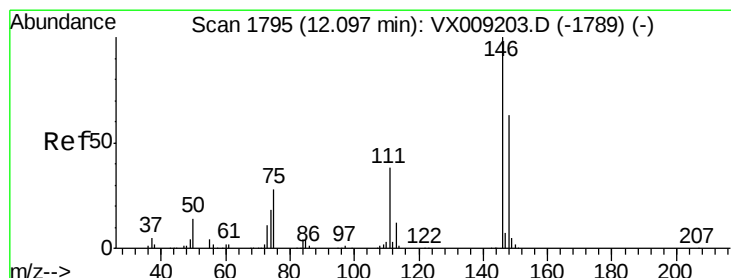
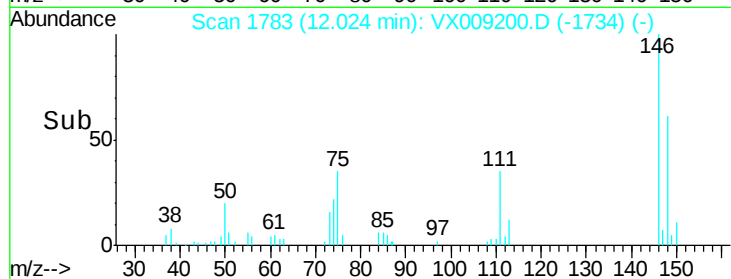
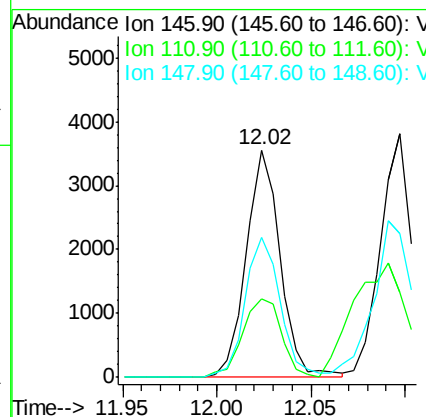
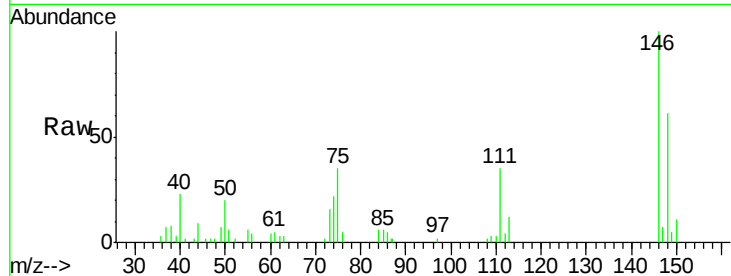
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	4457
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#88

1,4-Dichlorobenzene

Concen: 1.054 ug/l m

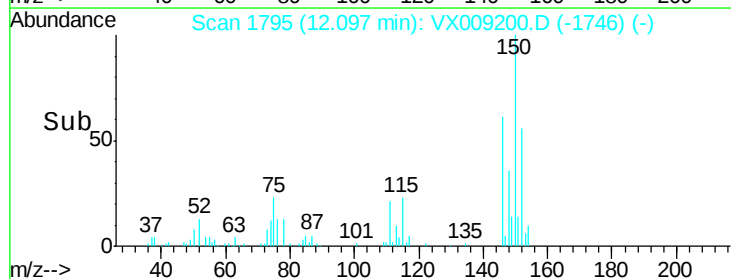
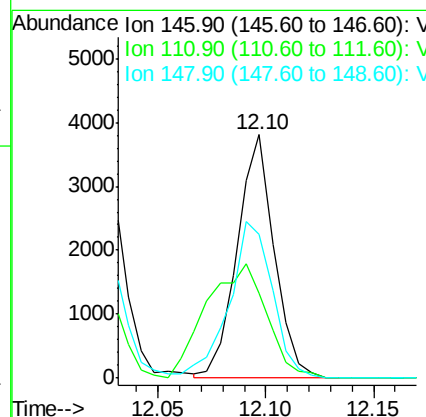
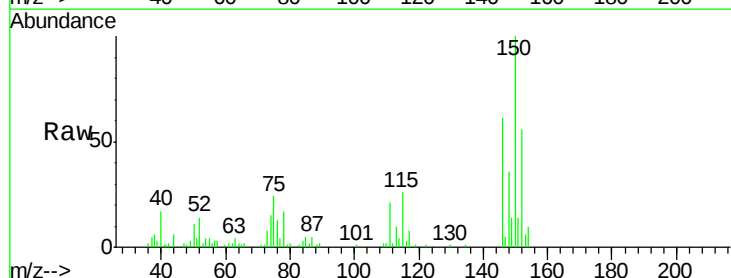
RT: 12.10 min Scan# 1795

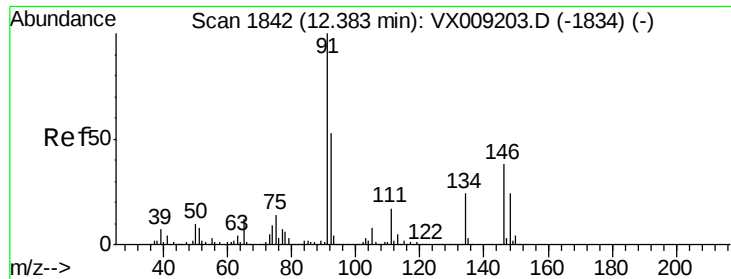
Delta R.T. 0.00 min

Lab File: VX009200.D

Acq: 29 Apr 2019 11:47

Tgt Ion:	146	Resp:	4540
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	62.4	31.8	95.3





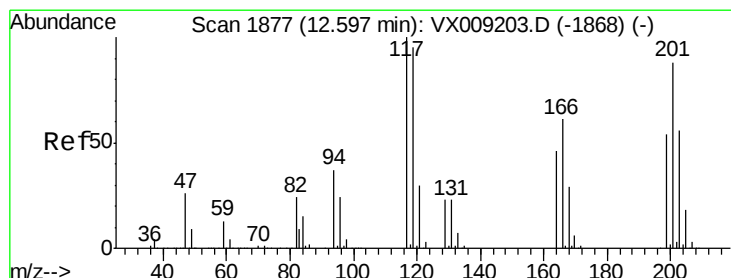
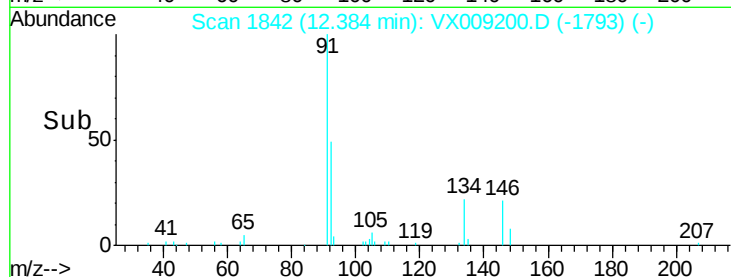
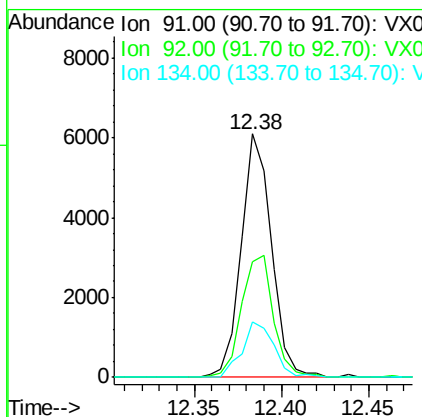
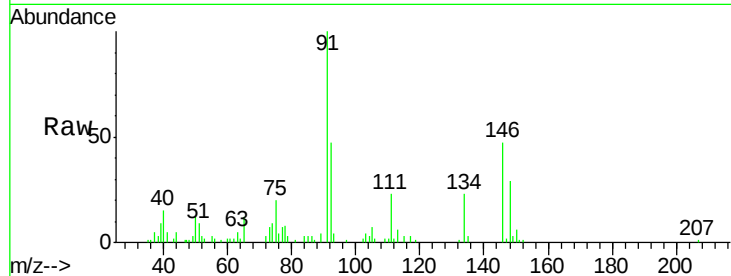
#89
n-Butylbenzene
Concen: 0.935 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	24.2	12.4	37.2

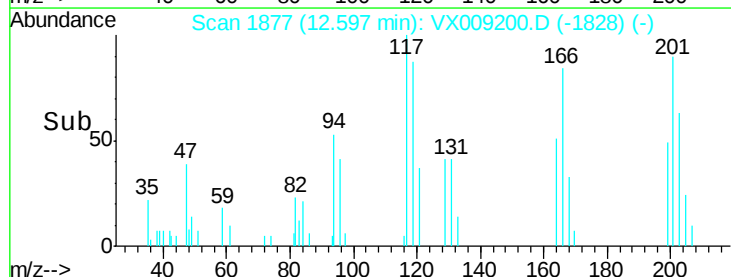
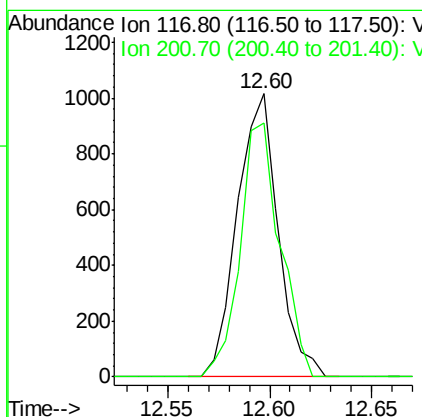
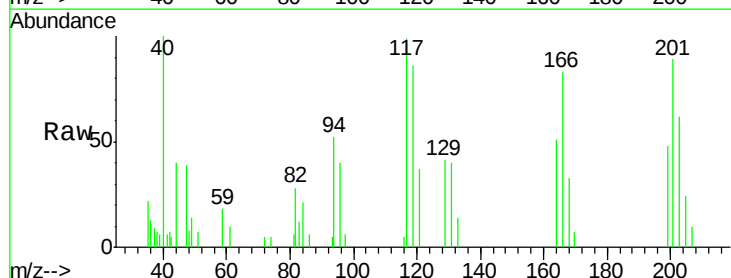
Manual Integrations
APPROVED

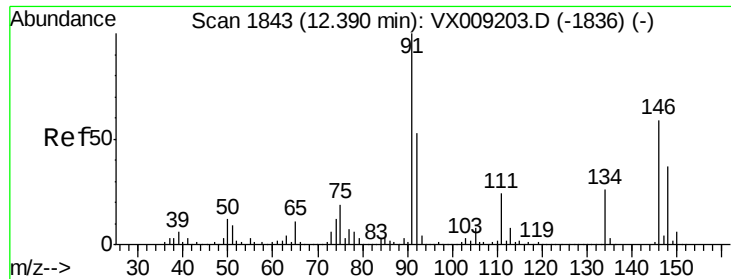
MMDadoda
4/30/2019 11:03:18 AM



#90
Hexachloroethane
Concen: 1.009 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	42.3	126.9





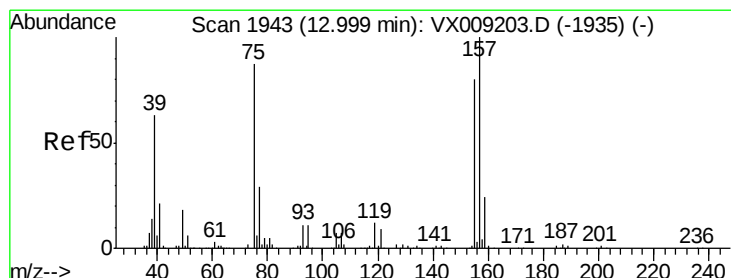
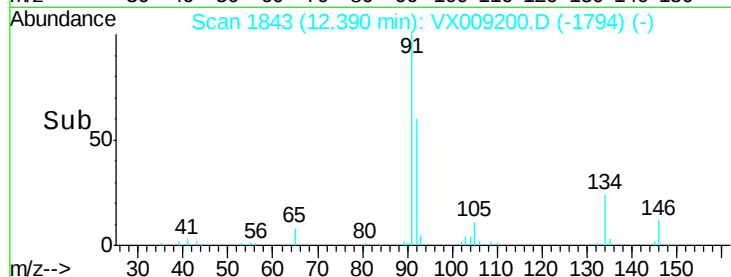
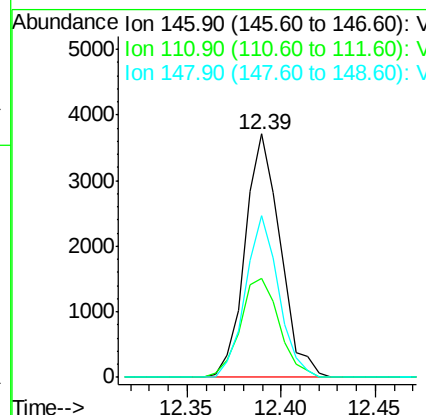
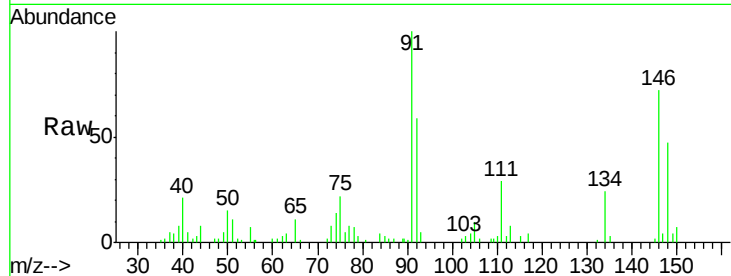
#91
 1,2-Dichlorobenzene
 Concen: 1.143 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.8	62.4
148	62.5	31.9	95.9

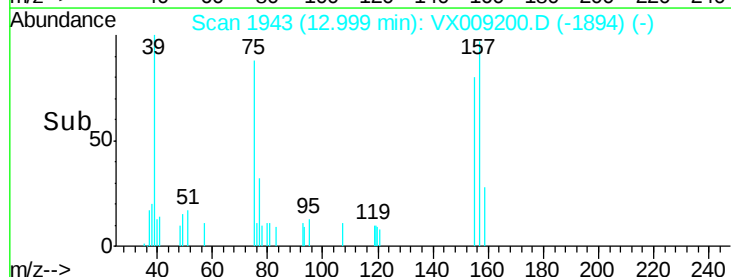
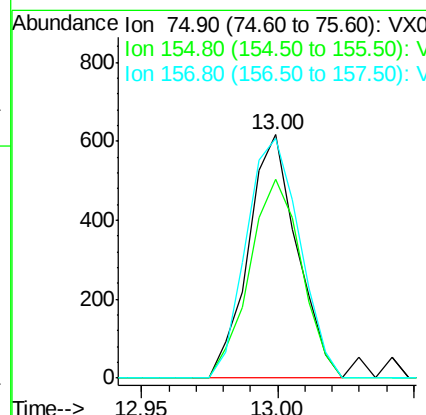
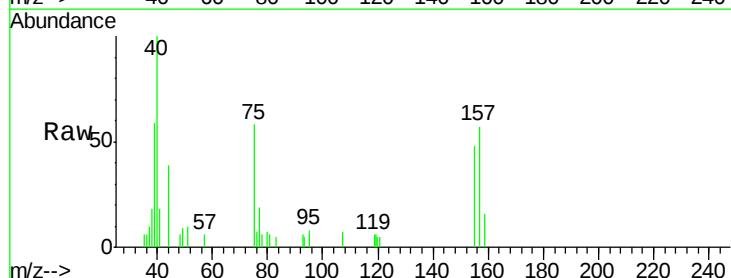
Manual Integrations
 APPROVED

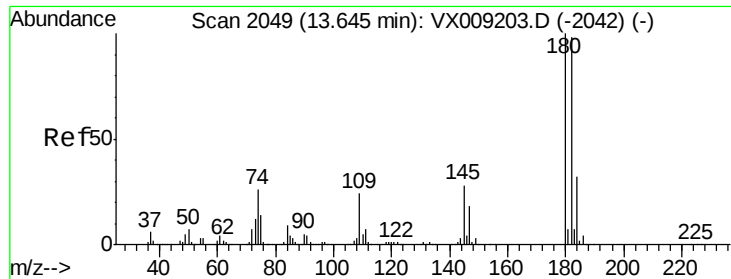
MMDadoda
 4/30/2019 11:03:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.951 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	42.0	126.0
157	108.4	53.2	159.6





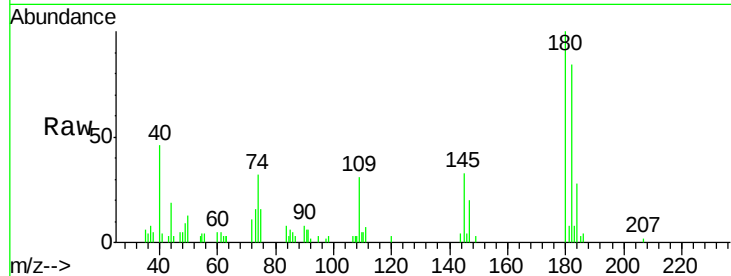
#93
 1,2,4-Trichlorobenzene
 Concen: 0.968 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

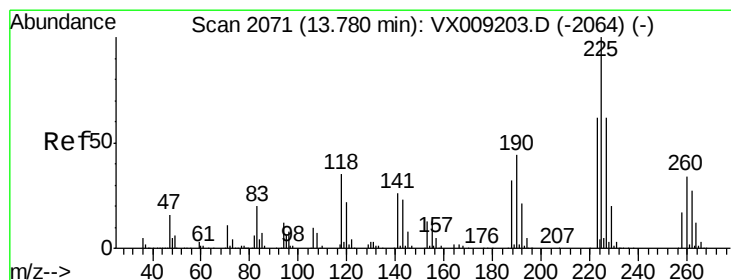
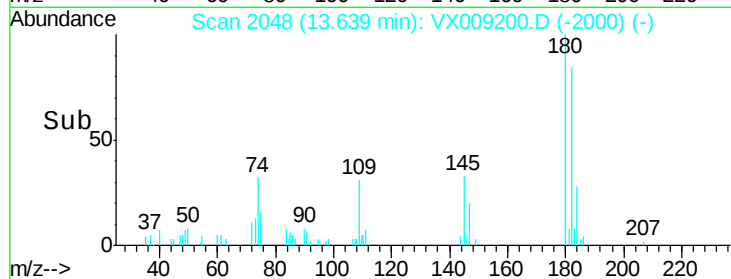
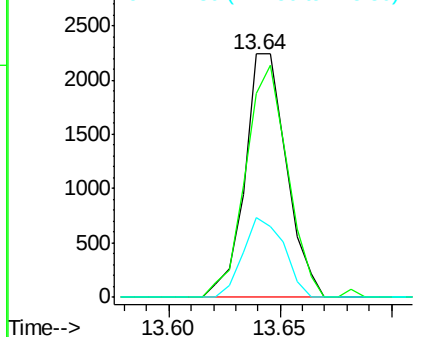
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	32.2	14.6	43.8

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:18 AM

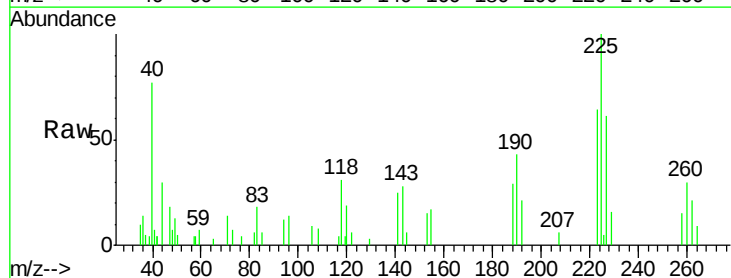


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

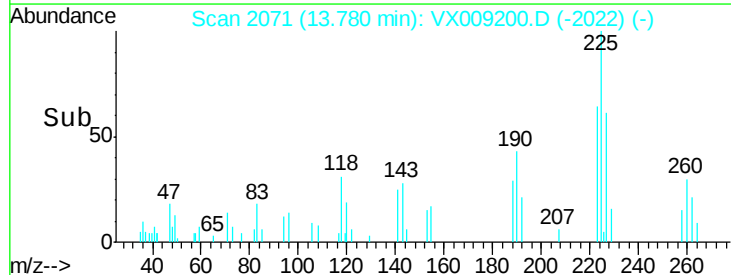
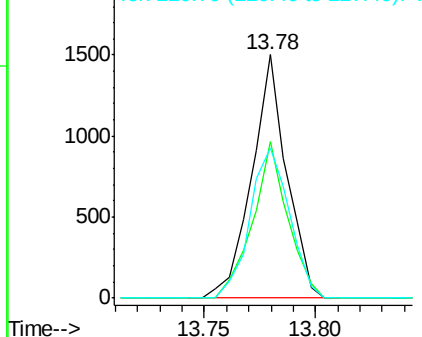


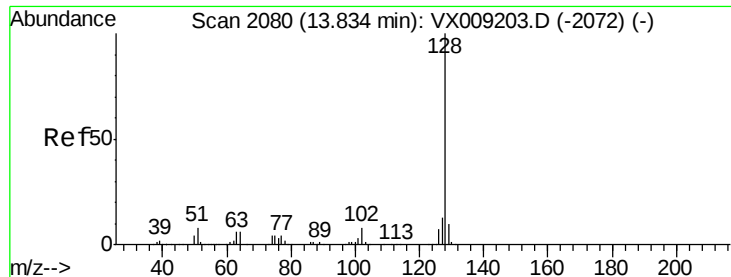
#94
 Hexachlorobutadiene
 Concen: 1.086 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009200.D
 Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.3	93.8
227	69.9	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





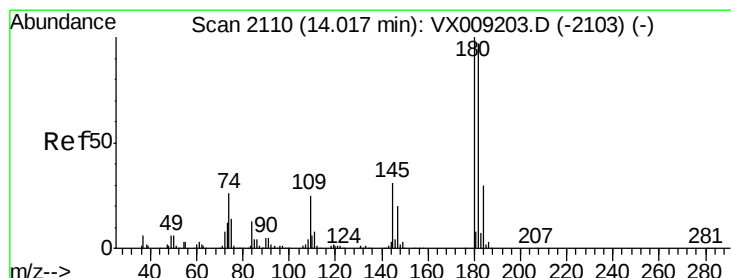
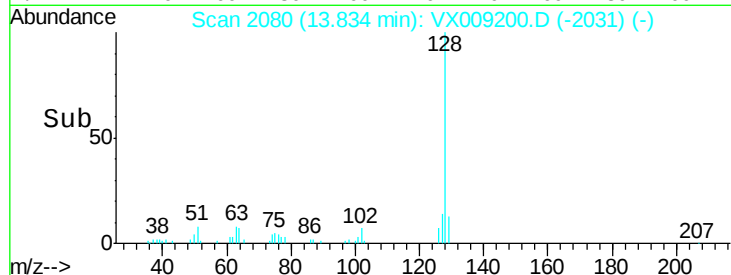
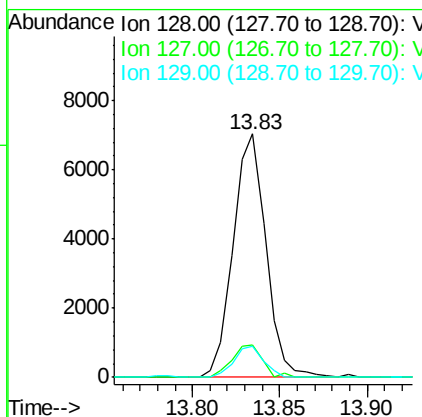
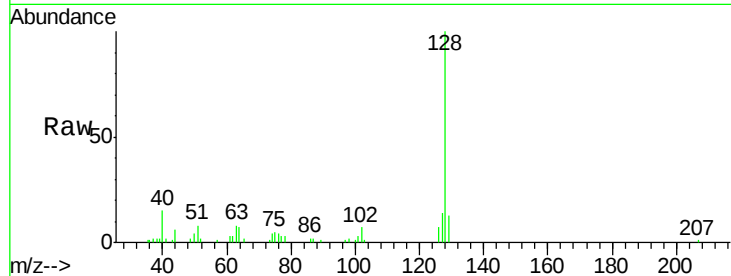
#95
Naphthalene
Concen: 0.947 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	9215		
127	12.3		10.4	15.6
129	11.4		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 1.015 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009200.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3043		
182	101.6		47.8	143.4
145	28.2		15.4	46.4

