

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011140.D
 Acq On : 29 Jul 2019 13:05
 Operator : JC/SP
 Sample : VX0729WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:09:06 AM

Quant Time: Jul 30 05:38:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	103126	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
35) Dibromofluoromethane	5.49	113	91355	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	8.71	98	341314	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	123865	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	36988	17.996	ug/l	98
3) Chloromethane	1.33	50	32917	18.206	ug/l	98
4) Vinyl Chloride	1.41	62	35946	19.491	ug/l	97
5) Bromomethane	1.64	94	20531	19.756	ug/l	99
6) Chloroethane	1.72	64	22697	19.367	ug/l	98
7) Trichlorofluoromethane	1.93	101	61742	19.778	ug/l	100
8) Diethyl Ether	2.19	74	20929	19.458	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34156	19.162	ug/l	99
10) Methyl Iodide	2.51	142	37393	15.986	ug/l	99
11) Tert butyl alcohol	3.04	59	46675	95.817	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33216	18.967	ug/l	97
13) Acrolein	2.29	56	17219	61.181	ug/l	99
14) Allyl chloride	2.73	41	48813	19.189	ug/l	99
15) Acrylonitrile	3.14	53	97391	98.941	ug/l	99
16) Acetone	2.45	43	95717	101.321	ug/l	99
17) Carbon Disulfide	2.57	76	69485	15.468	ug/l	98
18) Methyl Acetate	2.78	43	46094	21.428	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	110174	19.542	ug/l	99
20) Methylene Chloride	2.85	84	37445	18.704	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	34431	18.529	ug/l	100
22) Diisopropyl ether	3.85	45	107748	20.083	ug/l	98
23) Vinyl Acetate	3.82	43	445629	98.032	ug/l	100
24) 1,1-Dichloroethane	3.70	63	60174	19.313	ug/l	99
25) 2-Butanone	4.67	43	139409	102.802	ug/l	98
26) 2,2-Dichloropropane	4.58	77	49612	19.393	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40993	19.062	ug/l	99
28) Bromochloromethane	5.02	49	27198	18.524	ug/l	99
29) Tetrahydrofuran	5.13	42	84487	98.355	ug/l	99
30) Chloroform	5.21	83	66212	19.660	ug/l	99
31) Cyclohexane	5.58	56	50588	17.813	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	56076	19.246	ug/l	98
36) 1,1-Dichloropropene	5.80	75	44944	19.028	ug/l	99
37) Ethyl Acetate	4.84	43	49839	20.606	ug/l	97
38) Carbon Tetrachloride	5.78	117	48930	19.880	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011140.D
 Acq On : 29 Jul 2019 13:05
 Operator : JC/SP
 Sample : VX0729WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0729WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:09:06 AM

Quant Time: Jul 30 05:38:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	56158	18.334	ug/l	98
40) Benzene	6.14	78	142829	19.740	ug/l	99
41) Methacrylonitrile	5.04	41	26917	19.604	ug/l	99
42) 1,2-Dichloroethane	6.19	62	51312	20.397	ug/l	99
43) Isopropyl Acetate	6.45	43	78648	19.776	ug/l	99
44) Trichloroethene	7.21	130	41908	19.568	ug/l	97
45) 1,2-Dichloropropane	7.51	63	37010	20.097	ug/l	99
46) Dibromomethane	7.66	93	26245	19.945	ug/l	98
47) Bromodichloromethane	7.90	83	47129	20.120	ug/l	98
48) Methyl methacrylate	7.77	41	39222	20.245	ug/l	97
49) 1,4-Dioxane	7.74	88	21179	390.807	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	271096	105.157	ug/l	99
52) Toluene	8.78	92	92536	19.469	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	49519	19.661	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	54353	19.394	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	39994	20.436	ug/l	98
56) Ethyl methacrylate	9.18	69	57501	20.086	ug/l	97
57) 1,3-Dichloropropane	9.37	76	62189	20.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	145733	106.643	ug/l	100
59) 2-Hexanone	9.49	43	212068	106.058	ug/l	100
60) Dibromochloromethane	9.58	129	39440	19.153	ug/l	99
61) 1,2-Dibromoethane	9.67	107	42139	20.289	ug/l	99
64) Tetrachloroethene	9.34	164	41627	20.036	ug/l	98
65) Chlorobenzene	10.13	112	105602	19.468	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	38158	20.015	ug/l	98
67) Ethyl Benzene	10.25	91	182207	19.734	ug/l	100
68) m/p-Xylenes	10.36	106	139872	39.493	ug/l	98
69) o-Xylene	10.69	106	68022	19.679	ug/l	100
70) Styrene	10.71	104	114533	19.877	ug/l	100
71) Bromoform	10.85	173	29357	18.599	ug/l #	98
73) Isopropylbenzene	11.02	105	184273	19.441	ug/l	100
74) N-amyl acetate	10.90	43	69607	19.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	62956	20.296	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	52830m	20.870	ug/l	
77) Bromobenzene	11.25	156	48314	18.479	ug/l	96
78) n-propylbenzene	11.36	91	203109	19.393	ug/l	100
79) 2-Chlorotoluene	11.42	91	122604	19.488	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	156187	19.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15938	18.662	ug/l	91
82) 4-Chlorotoluene	11.51	91	140639	19.206	ug/l	100
83) tert-Butylbenzene	11.77	119	151529	19.477	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	158451	19.849	ug/l	99
85) sec-Butylbenzene	11.94	105	178835	19.618	ug/l	99
86) p-Isopropyltoluene	12.06	119	165329	19.618	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	88461	19.496	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	88932	19.111	ug/l	98
89) n-Butylbenzene	12.38	91	140761	19.523	ug/l	99
90) Hexachloroethane	12.59	117	24581	18.493	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	89664	19.940	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13353	20.594	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
Data File : VX011140.D
Acq On : 29 Jul 2019 13:05
Operator : JC/SP
Sample : VX0729WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

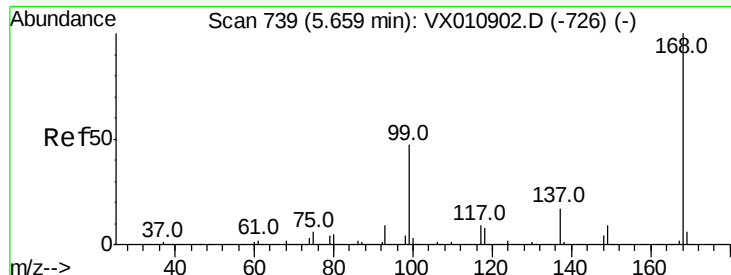
Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM

Quant Time: Jul 30 05:38:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	60370	19.810	ug/l	100
94) Hexachlorobutadiene	13.78	225	30754	20.364	ug/l	98
95) Naphthalene	13.83	128	184853	20.541	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	61678	20.341	ug/l	99

(#) = 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. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion:168 Resp: 196612

Ion Ratio Lower Upper

168 100

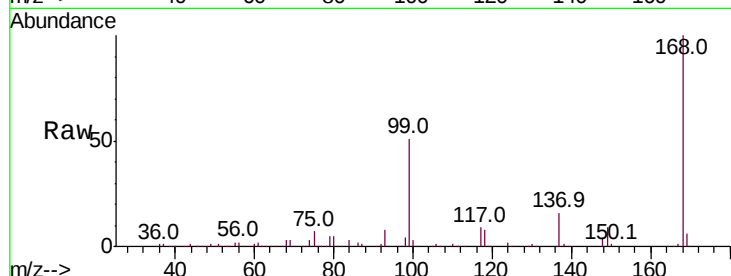
99 50.8 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

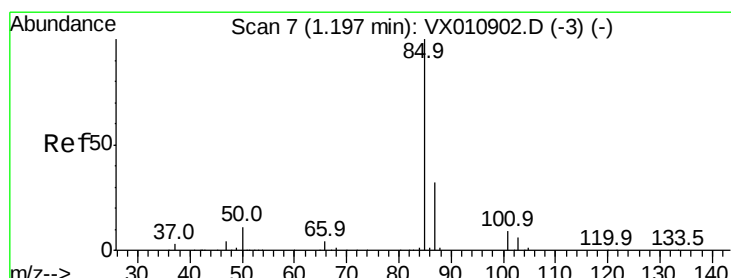
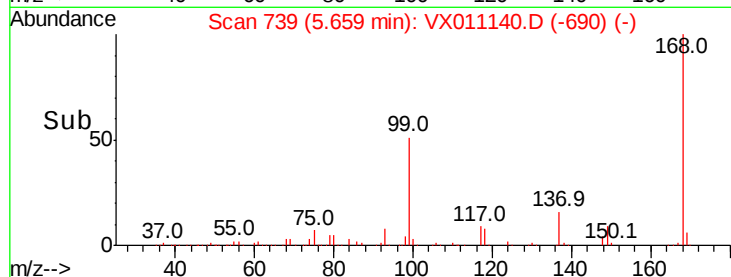
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.996 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011140.D

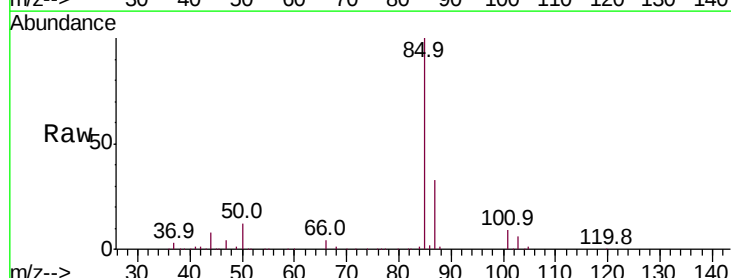
Acq: 29 Jul 2019 13:05

Tgt Ion: 85 Resp: 36988

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

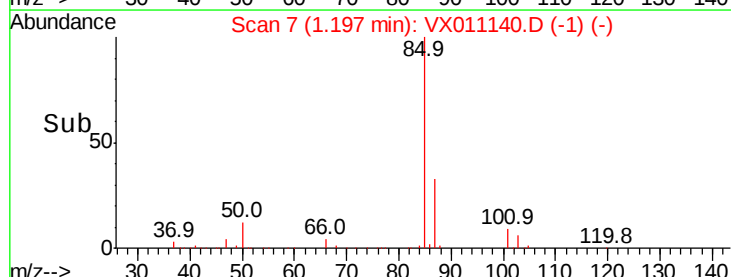
30000

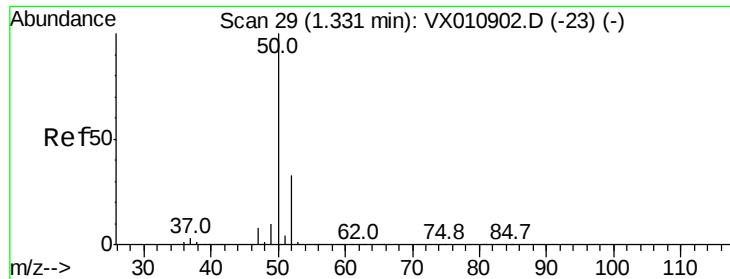
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.206 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 50 Resp: 32917

Ion Ratio Lower Upper

50 100

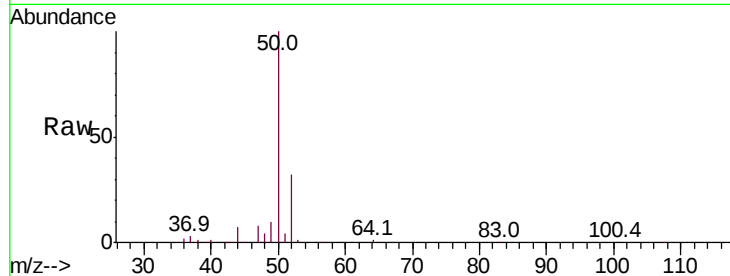
52 31.9 26.4 39.6

Manual Integrations

APPROVED

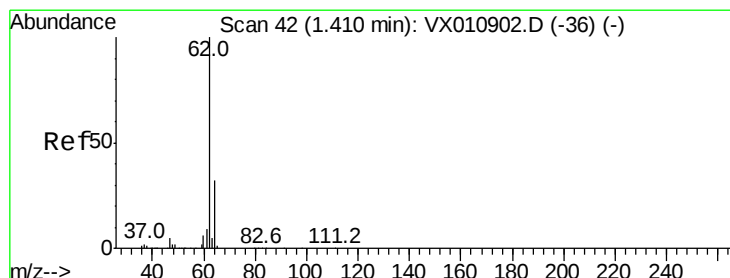
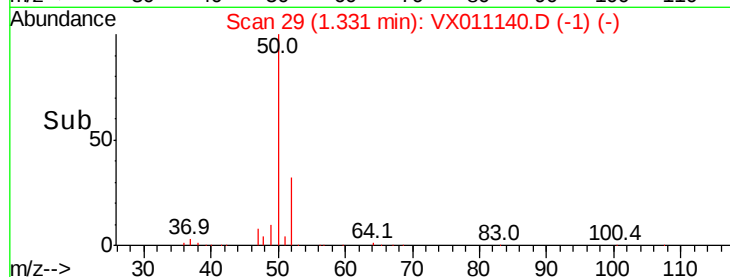
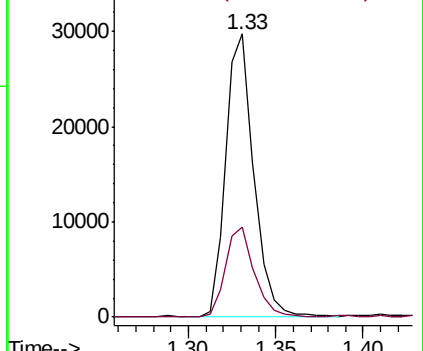
MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.491 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011140.D

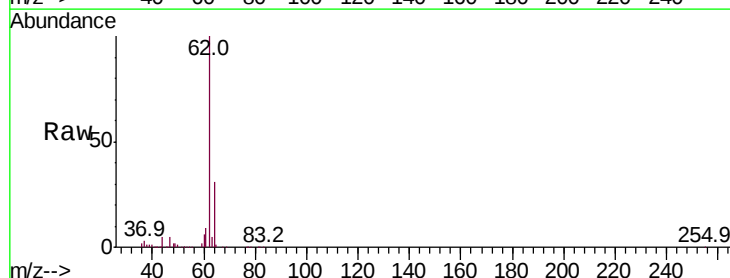
Acq: 29 Jul 2019 13:05

Tgt Ion: 62 Resp: 35946

Ion Ratio Lower Upper

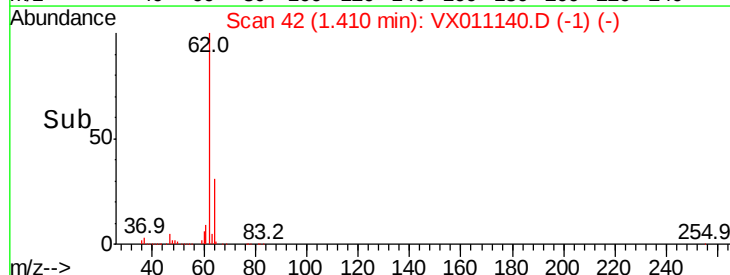
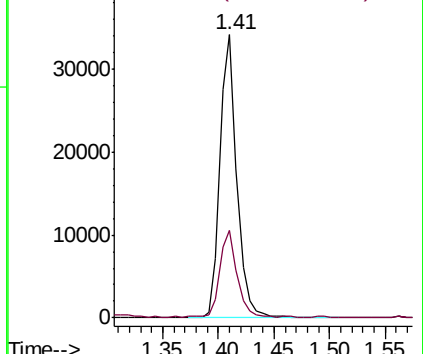
62 100

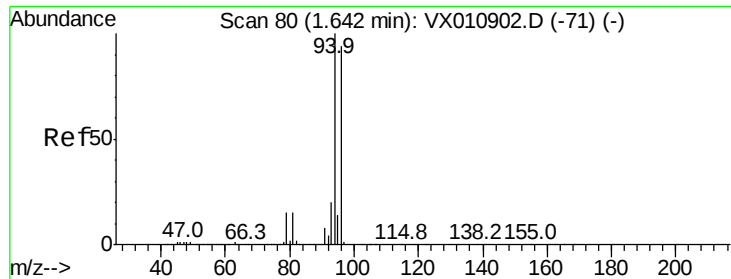
64 30.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.756 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 94 Resp: 20531

Ion Ratio Lower Upper

94 100

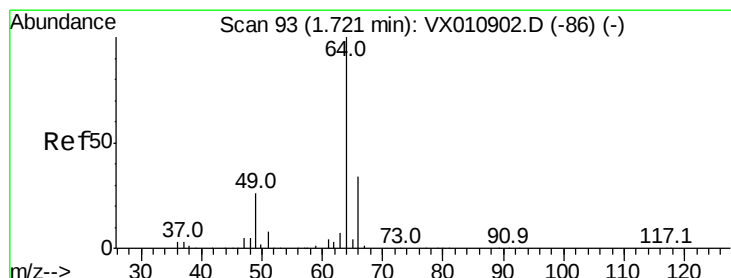
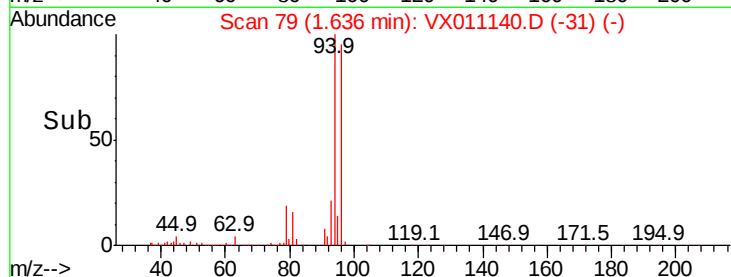
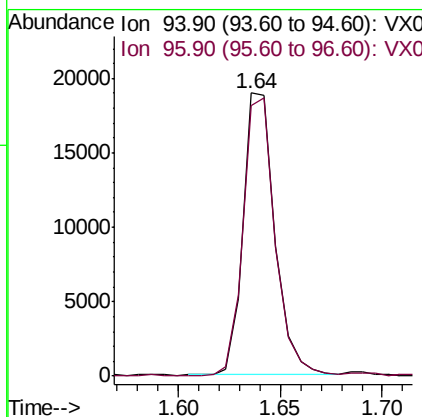
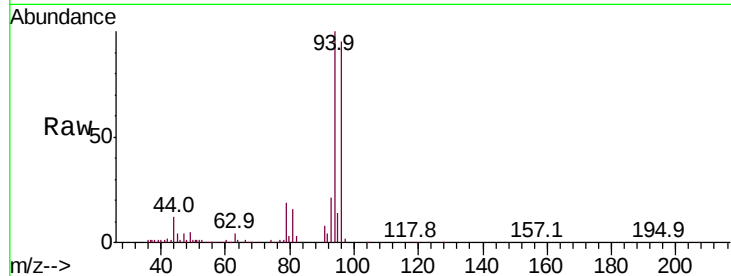
96 95.8 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#6

Chloroethane

Concen: 19.367 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX011140.D

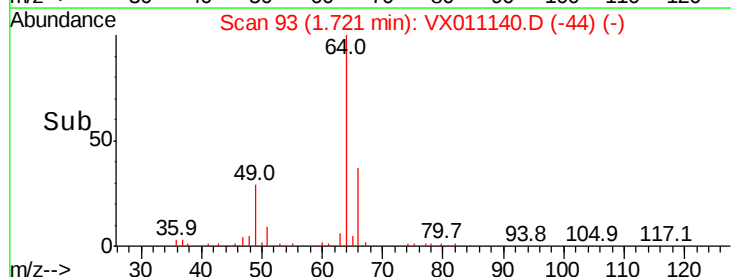
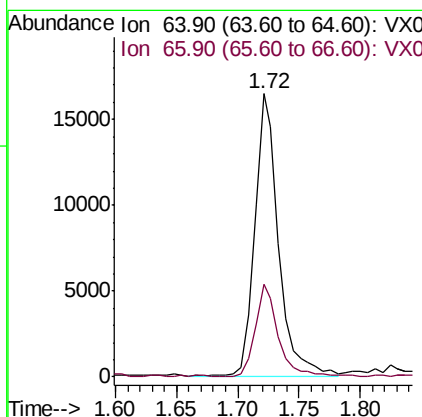
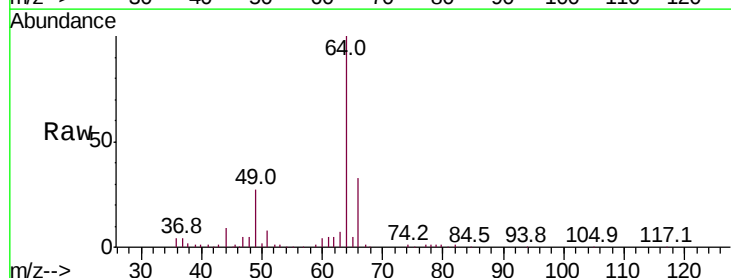
Acq: 29 Jul 2019 13:05

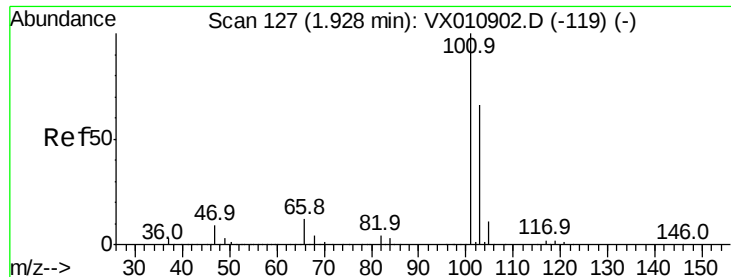
Tgt Ion: 64 Resp: 22697

Ion Ratio Lower Upper

64 100

66 32.4 27.0 40.6





#7

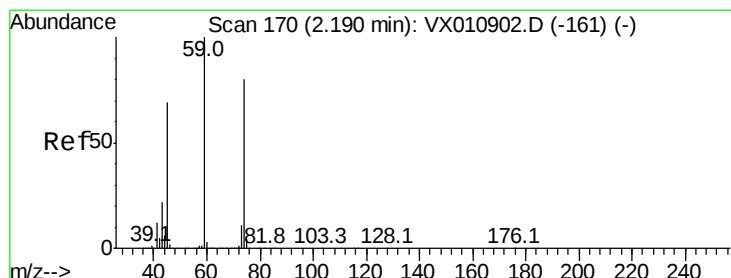
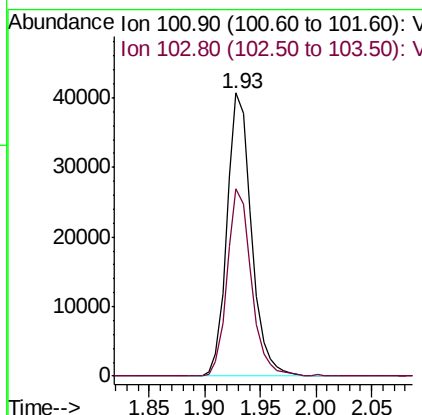
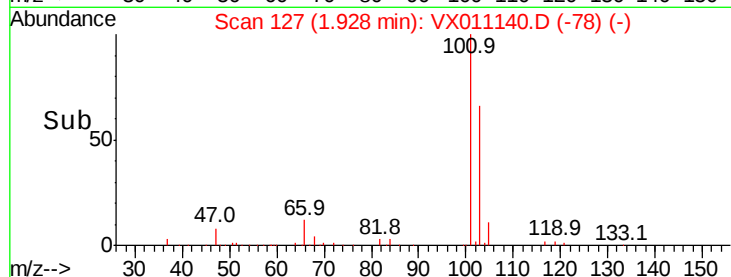
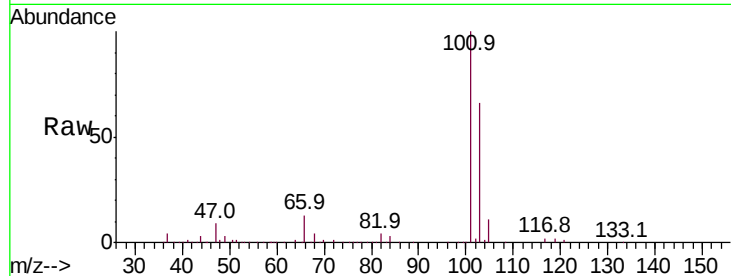
Trichlorofluoromethane
Concen: 19.778 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion:101 Resp: 61742
Ion Ratio Lower Upper
101 100
103 66.1 52.6 78.8

Manual Integrations
APPROVED

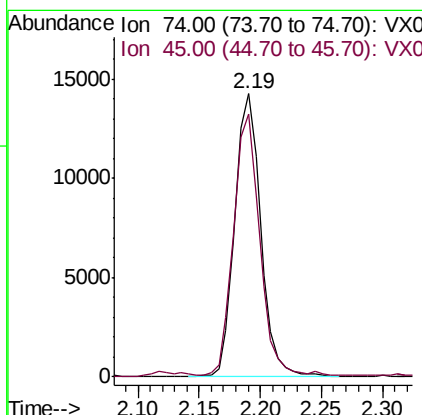
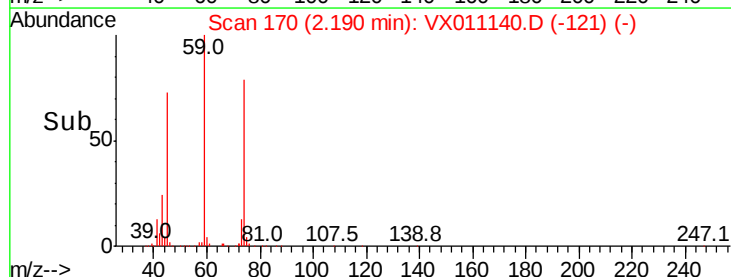
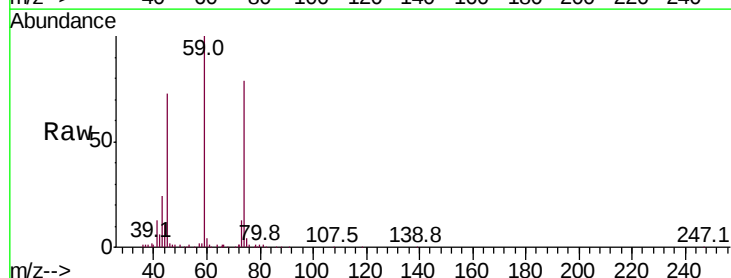
MMDadoda
7/30/2019 11:09:06 AM

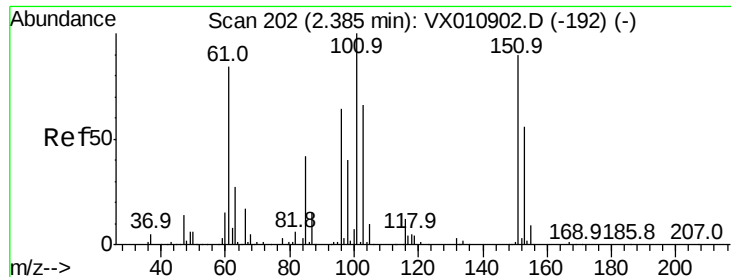


#8

Diethyl Ether
Concen: 19.458 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 74 Resp: 20929
Ion Ratio Lower Upper
74 100
45 91.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.162 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

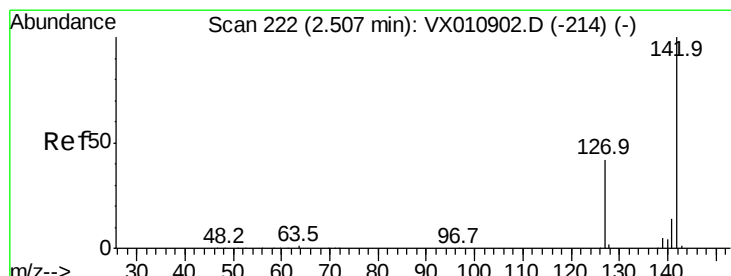
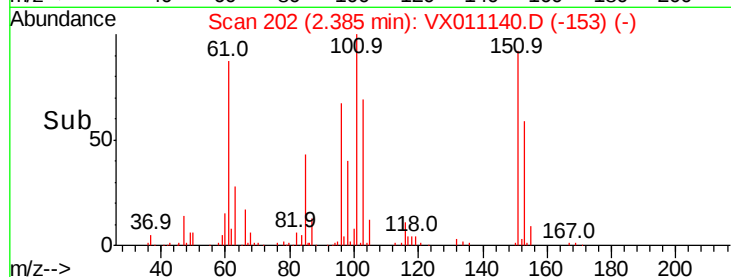
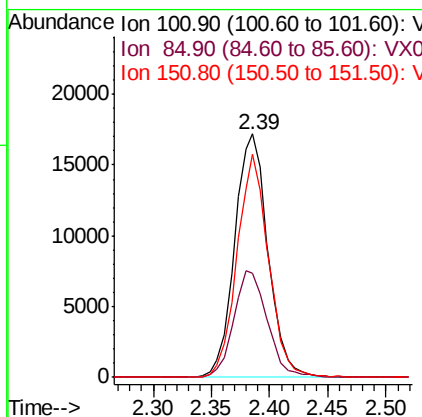
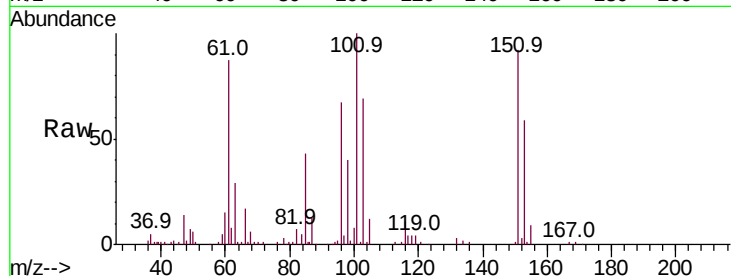
ClientSampleId :

VX0729WBSD01

Tot Ion:	101	Resp:	34156
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.6	52.0
151	87.1	69.6	104.4

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#10

Methyl Iodide

Concen: 15.986 ug/l

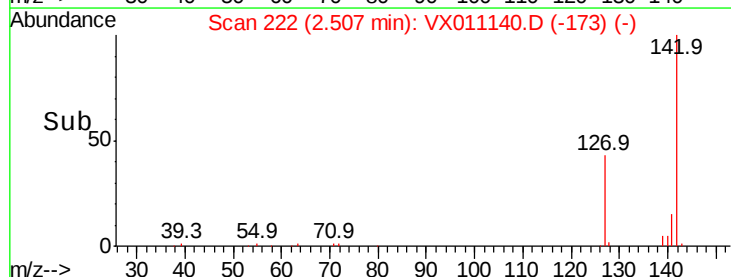
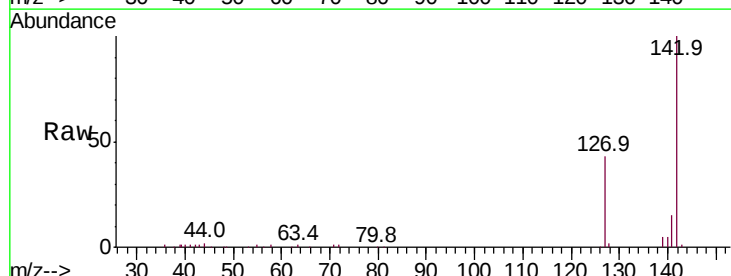
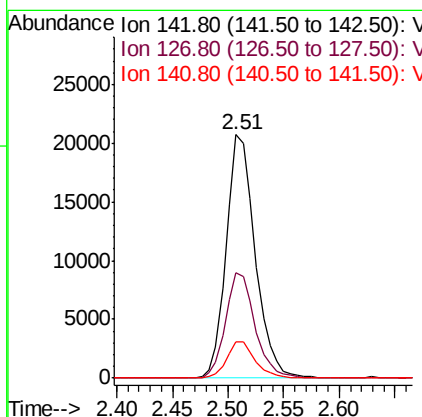
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion:	142	Resp:	37393
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.4
141	14.7	11.7	17.5





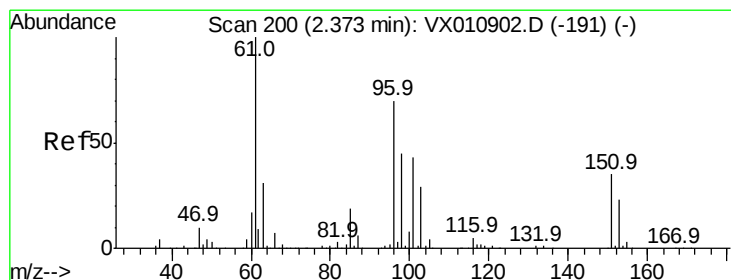
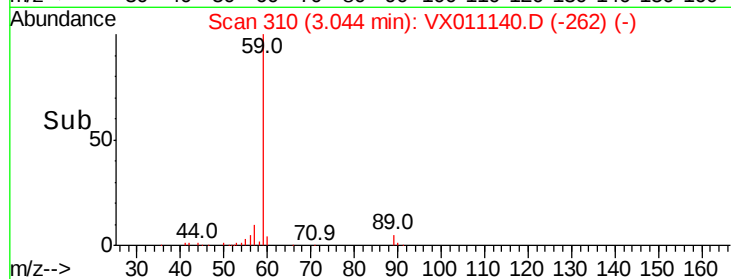
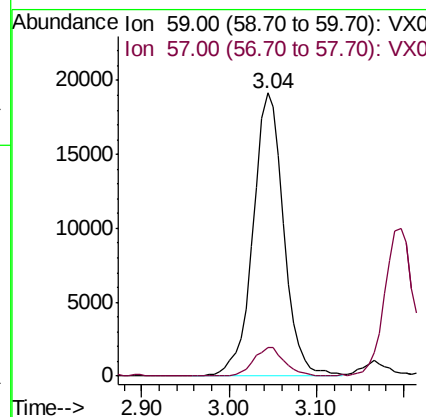
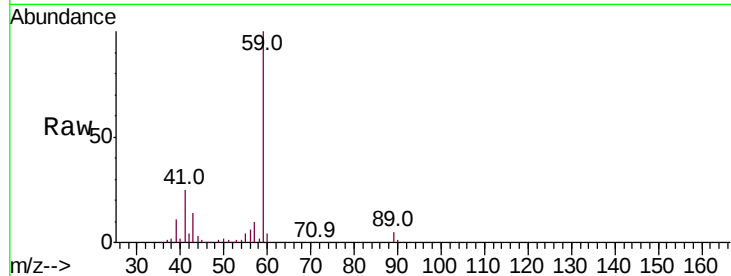
#11
Tert butyl alcohol
Concen: 95.817 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion: 59 Resp: 46675
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

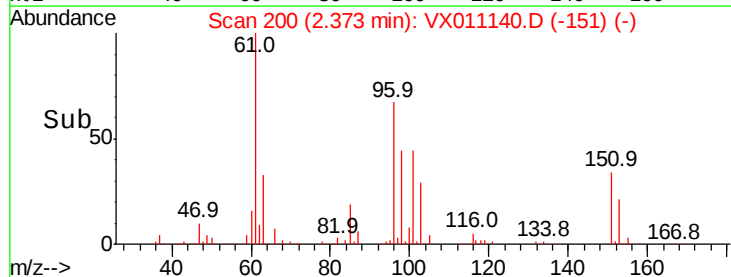
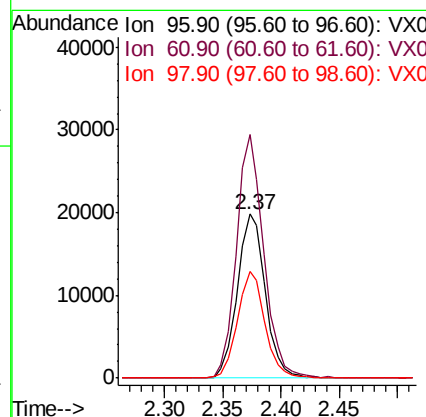
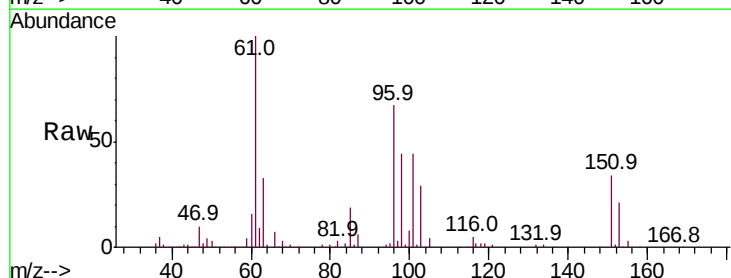
Manual Integrations
APPROVED

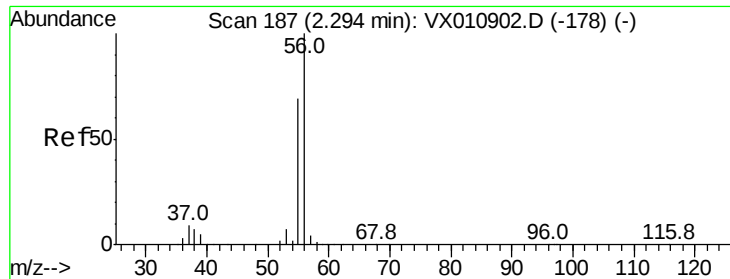
MMDadoda
7/30/2019 11:09:06 AM



#12
1,1-Dichloroethene
Concen: 18.967 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 96 Resp: 33216
Ion Ratio Lower Upper
96 100
61 148.4 115.0 172.4
98 64.9 52.2 78.2





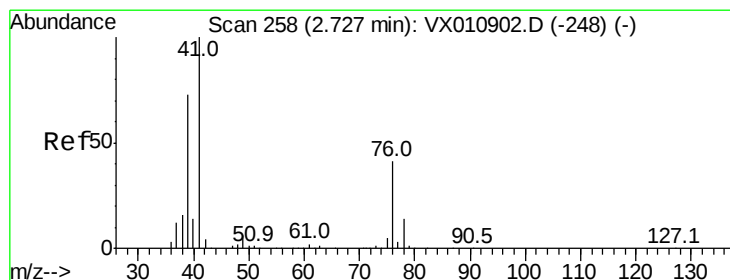
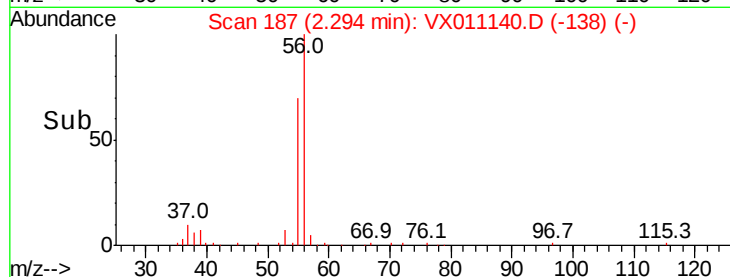
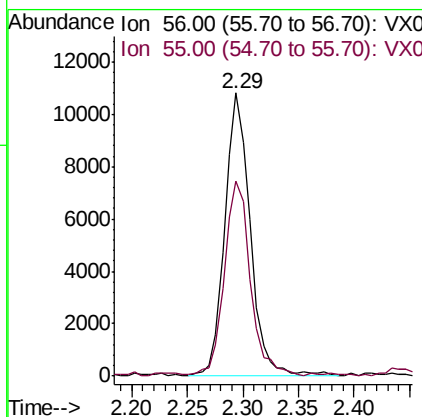
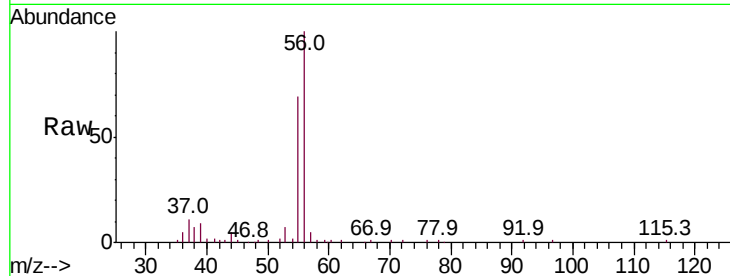
#13
Acrolein
Concen: 61.181 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion: 56 Resp: 17219
Ion Ratio Lower Upper
56 100
55 70.5 55.9 83.9

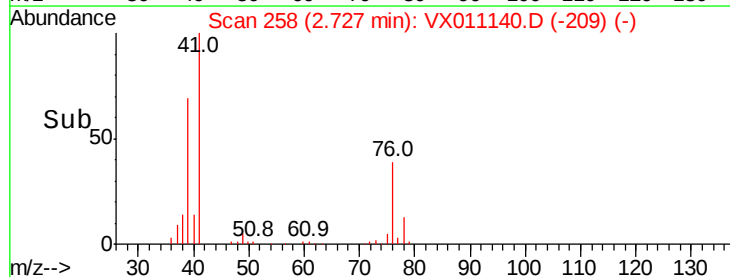
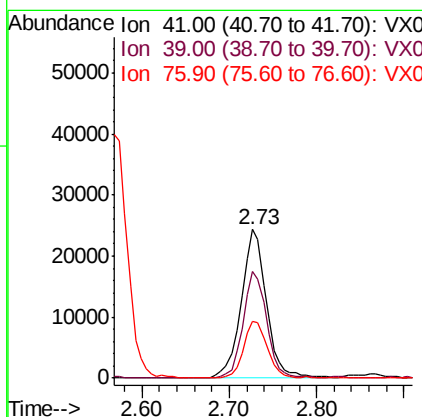
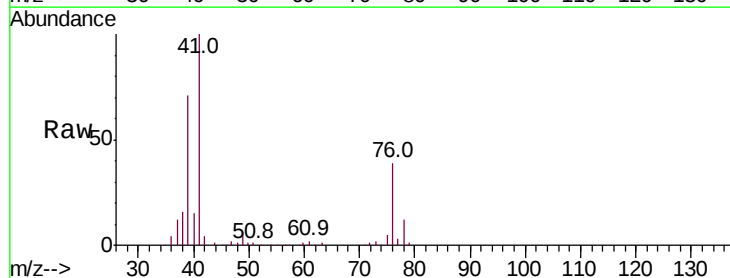
Manual Integrations
APPROVED

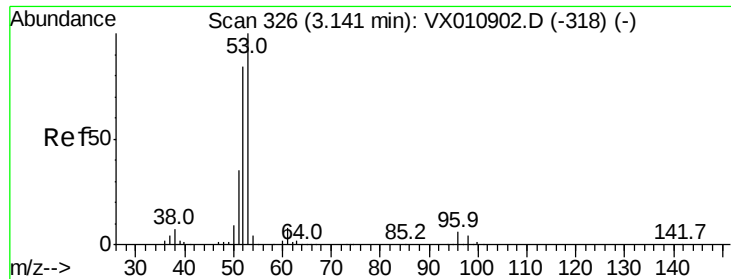
MMDadoda
7/30/2019 11:09:06 AM



#14
Allyl chloride
Concen: 19.189 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 41 Resp: 48813
Ion Ratio Lower Upper
41 100
39 67.6 53.6 80.4
76 36.2 29.7 44.5





#15

Acrylonitrile

Concen: 98.941 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

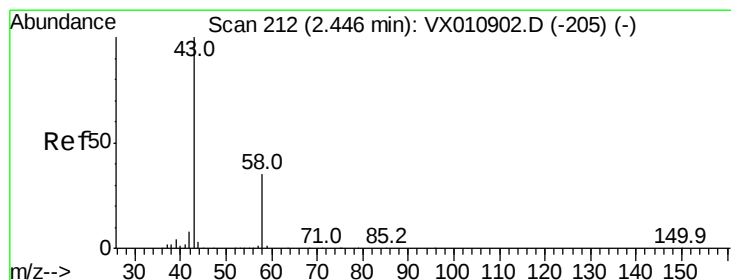
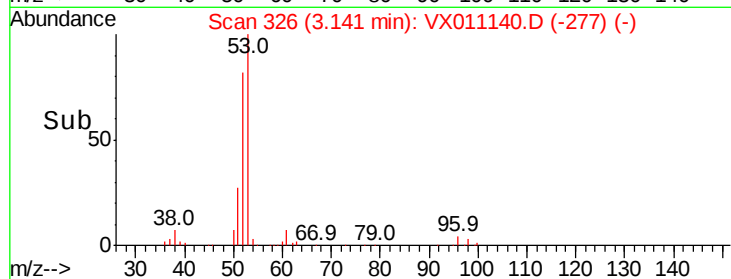
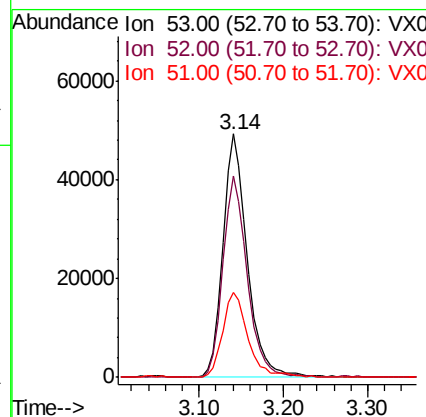
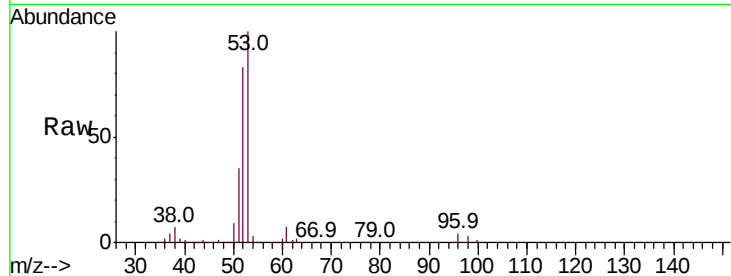
ClientSampleId :

VX0729WBSD01

Tot Ion:	53	Resp:	97391
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.5	99.7
51	36.1	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#16

Acetone

Concen: 101.321 ug/l

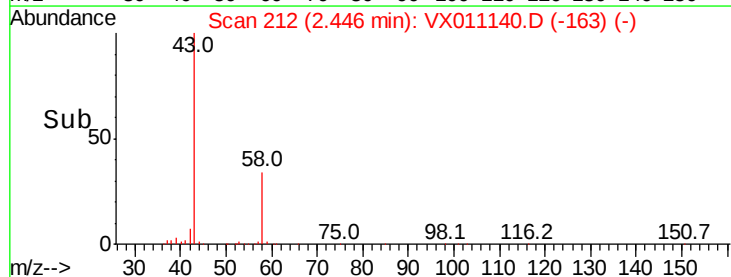
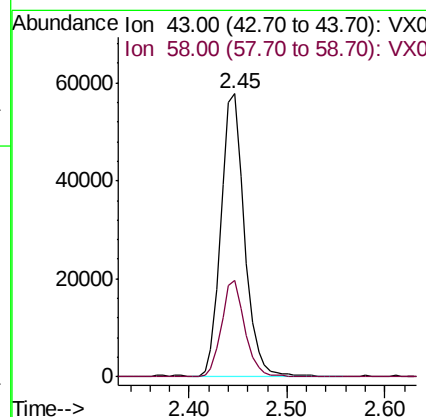
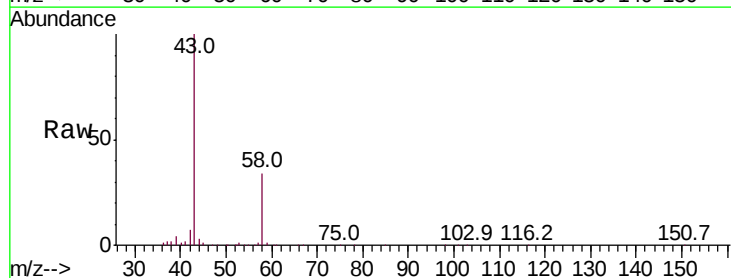
RT: 2.45 min Scan# 212

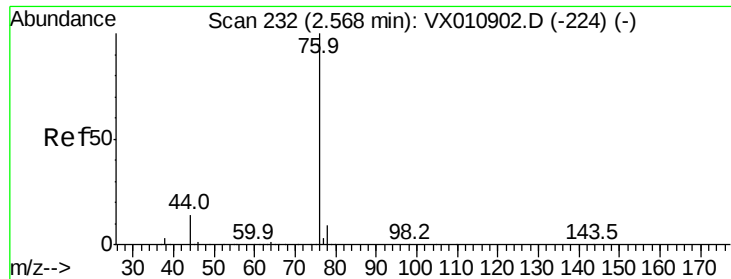
Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion:	43	Resp:	95717
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.7	41.5





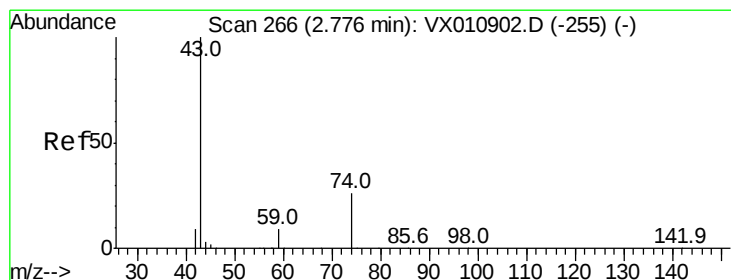
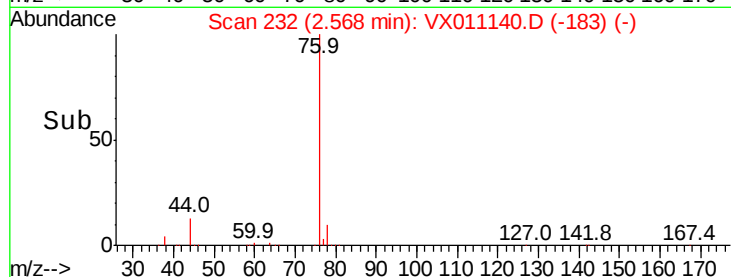
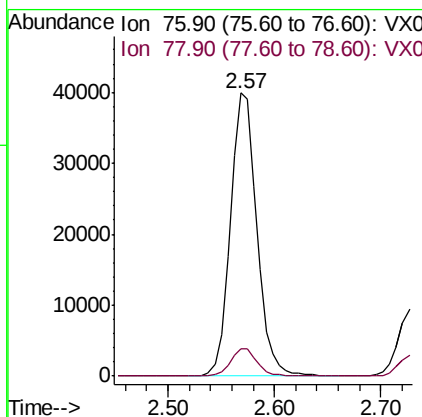
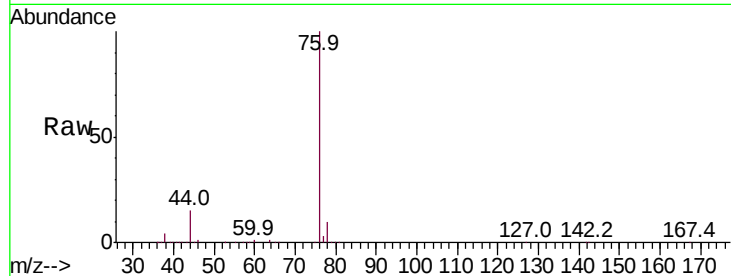
#17
Carbon Disulfide
Concen: 15.468 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0

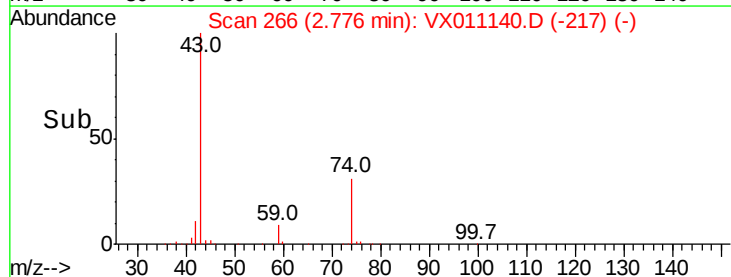
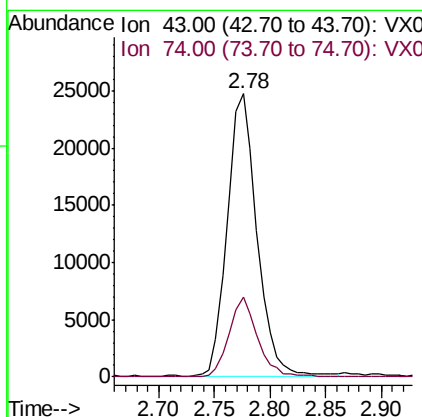
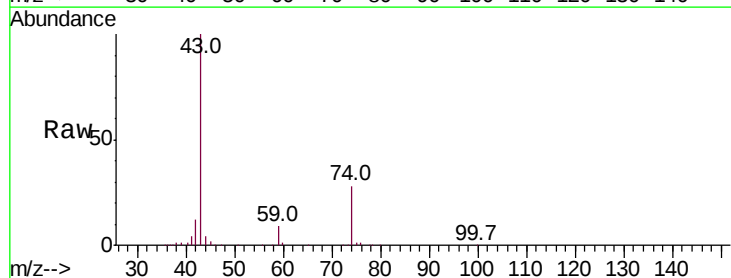
Manual Integrations
APPROVED

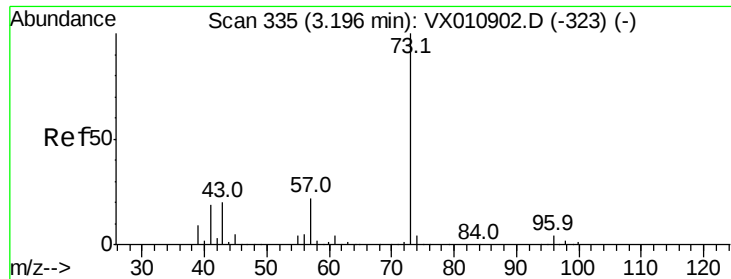
MMDadoda
7/30/2019 11:09:06 AM



#18
Methyl Acetate
Concen: 21.428 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.5	32.3





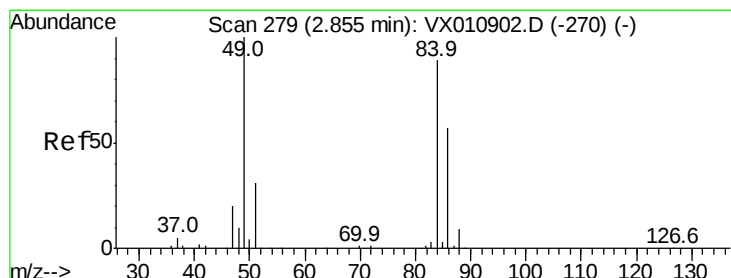
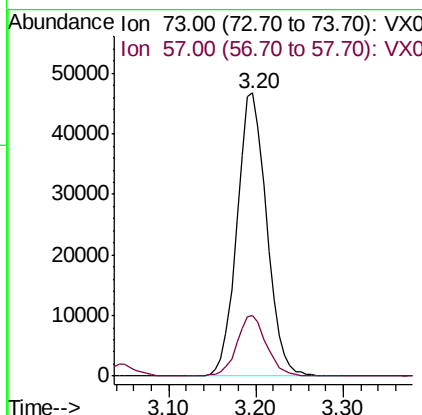
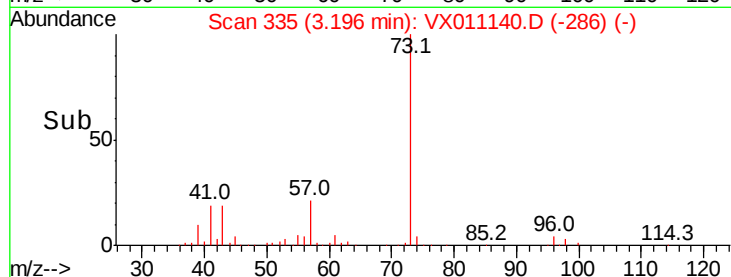
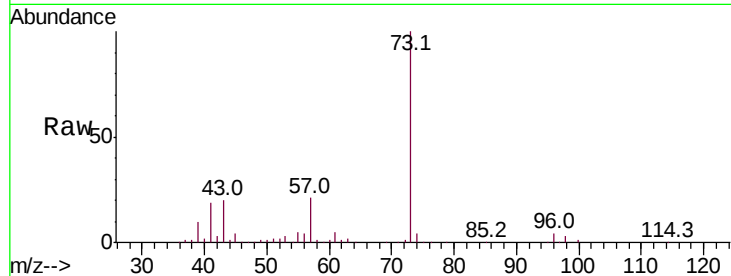
#19
Methvl tert-butvl Ether
Concen: 19.542 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion: 73 Resp: 110174
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

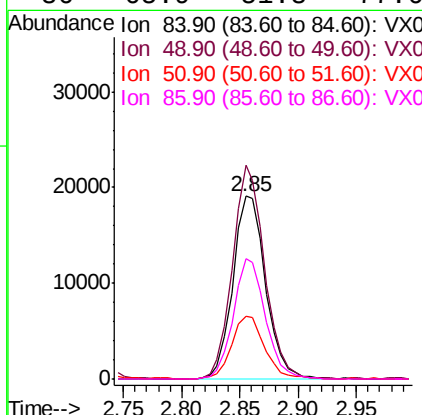
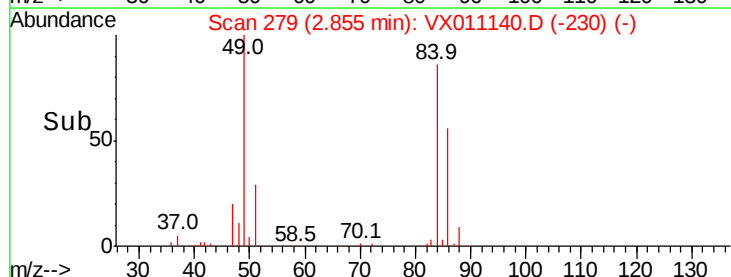
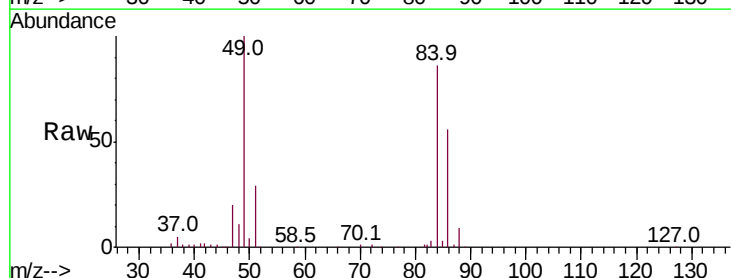
Manual Integrations
APPROVED

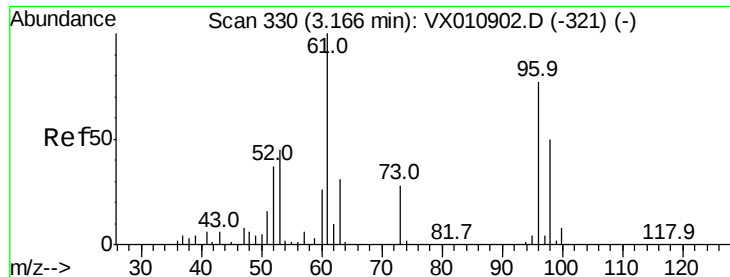
MMDadoda
7/30/2019 11:09:06 AM



#20
Methylene Chloride
Concen: 18.704 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 84 Resp: 37445
Ion Ratio Lower Upper
84 100
49 116.9 89.9 134.9
51 34.5 27.8 41.6
86 65.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.529 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 96 Resp: 34431

Ion Ratio Lower Upper

96 100

61 130.3 104.2 156.2

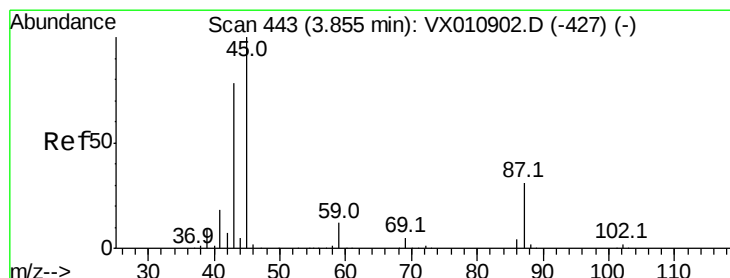
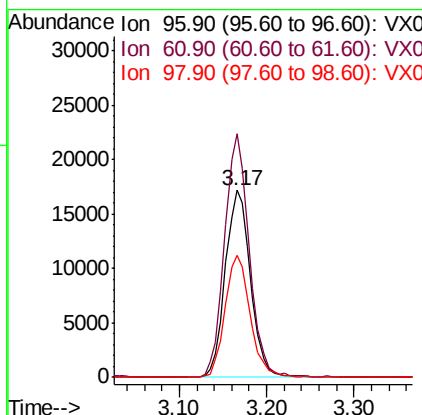
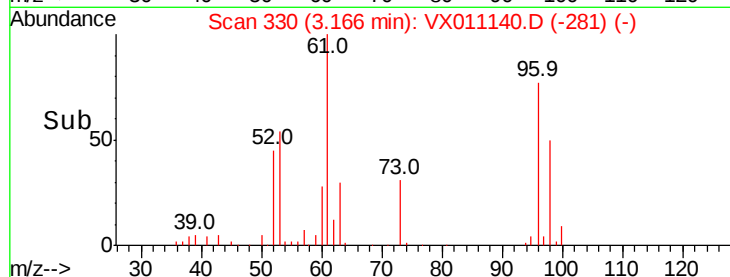
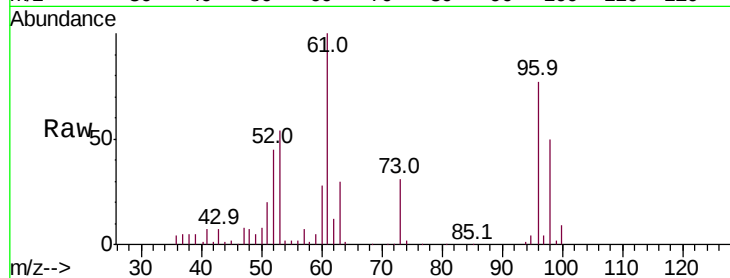
98 65.0 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#22

Diisopropyl ether

Concen: 20.083 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion: 45 Resp: 107748

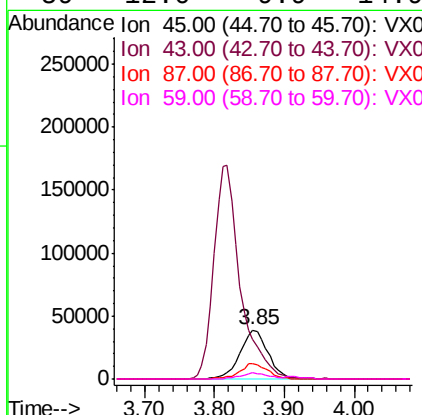
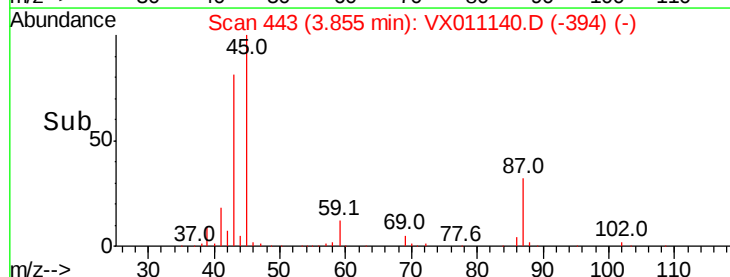
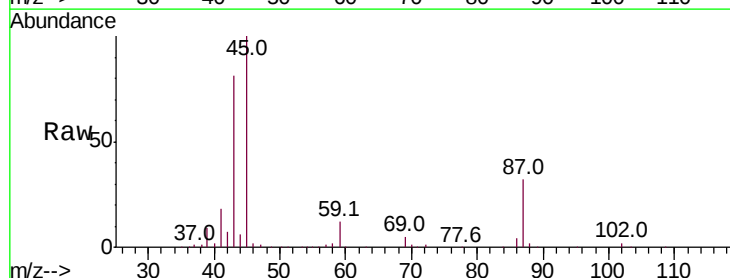
Ion Ratio Lower Upper

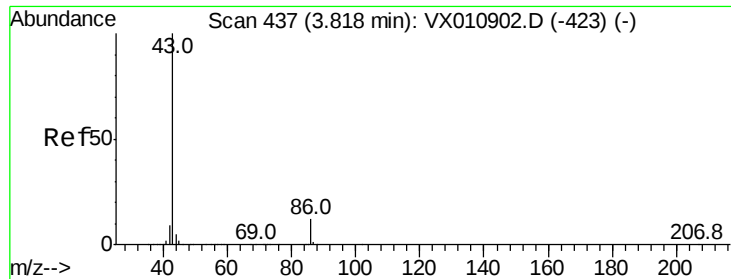
45 100

43 80.3 62.3 93.5

87 31.6 25.0 37.4

59 12.0 9.9 14.9





#23

Vinyl Acetate

Concen: 98.032 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 43 Resp: 445629

Ion Ratio Lower Upper

43 100

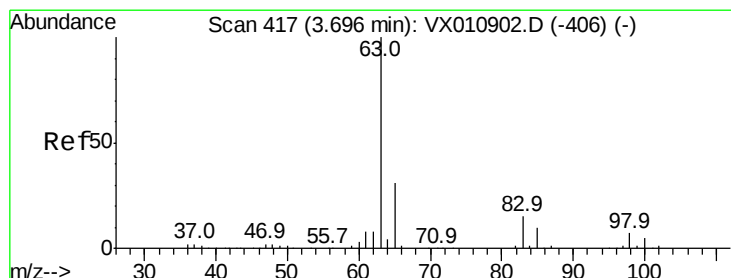
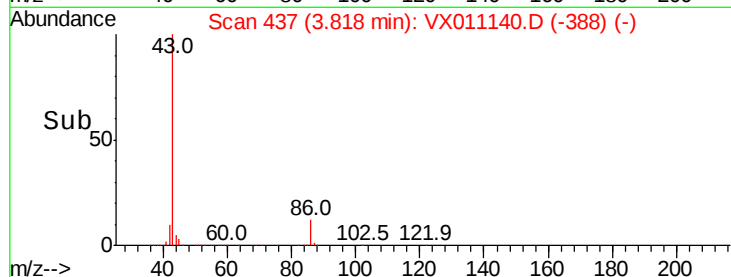
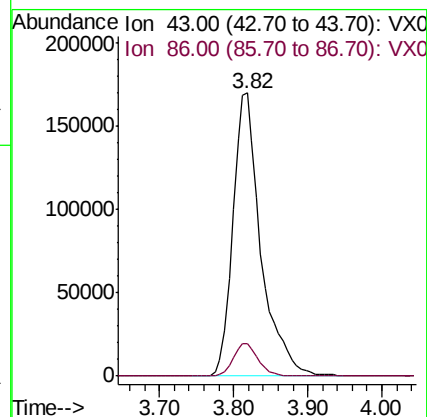
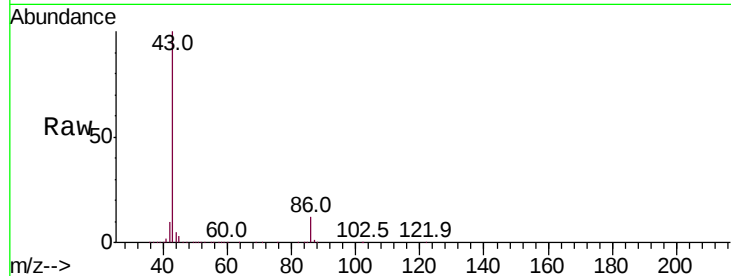
86 11.6 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#24

1,1-Dichloroethane

Concen: 19.313 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

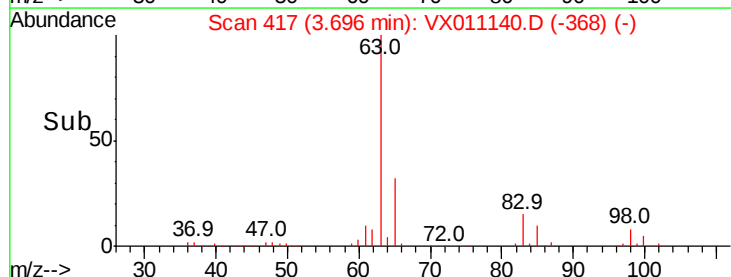
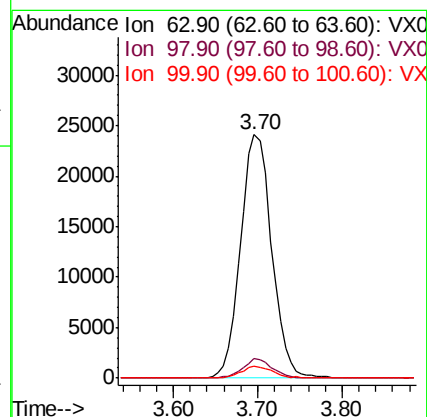
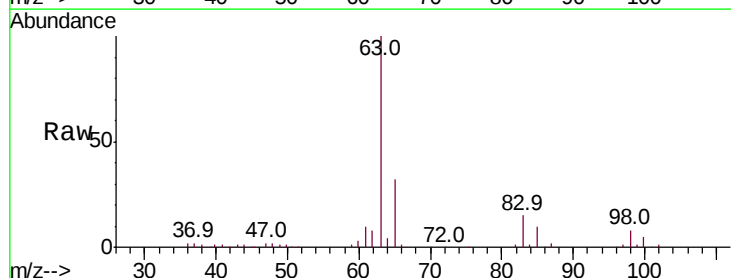
Tgt Ion: 63 Resp: 60174

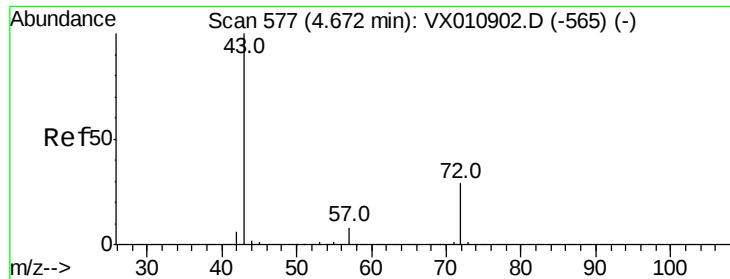
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 102.802 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 43 Resp: 139409

Ion Ratio Lower Upper

43 100

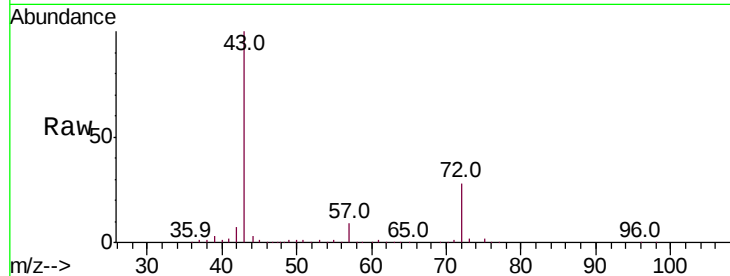
72 27.5 23.0 34.6

Manual Integrations

APPROVED

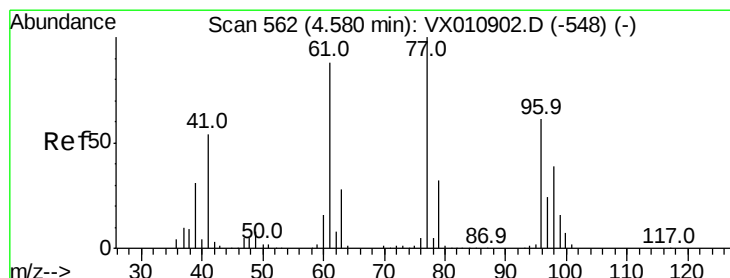
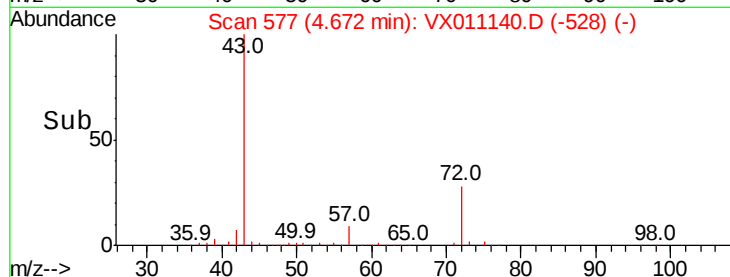
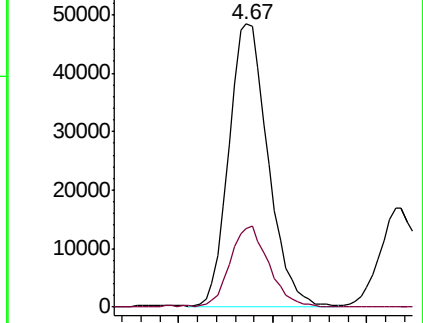
MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.393 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011140.D

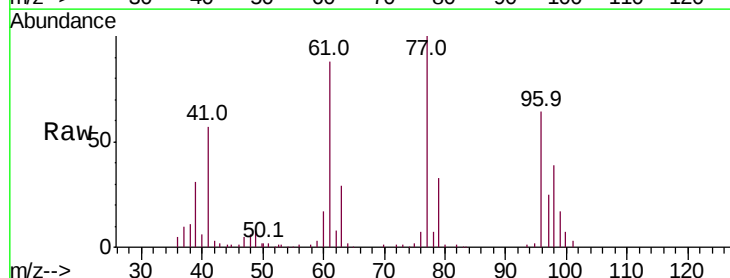
Acq: 29 Jul 2019 13:05

Tgt Ion: 77 Resp: 49612

Ion Ratio Lower Upper

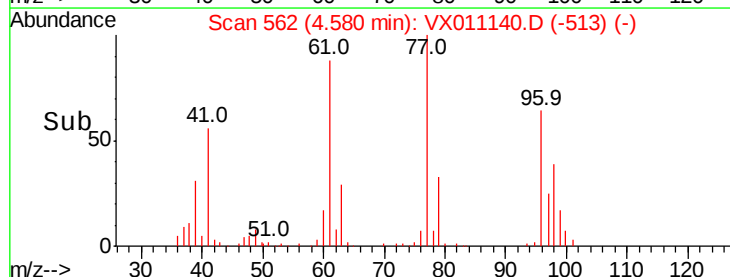
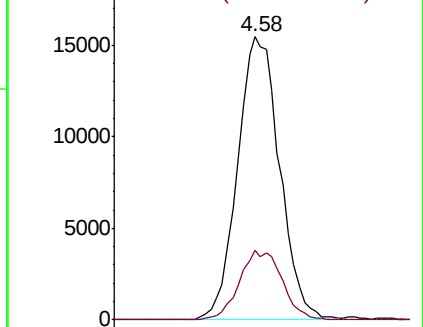
77 100

97 24.8 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

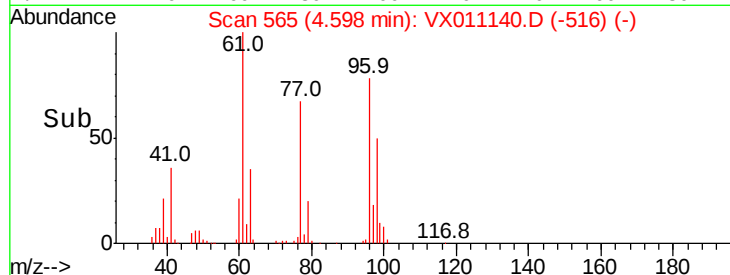
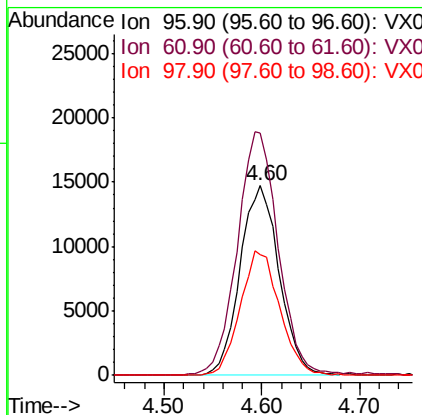
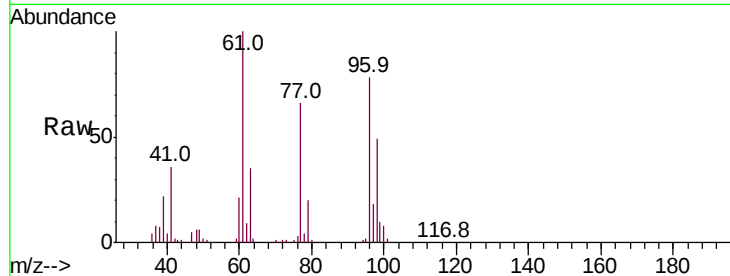
cis-1,2-Dichloroethene
Concen: 19.062 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40993		
61	134.0	0.0	269.0	
98	66.3	0.0	131.4	

Manual Integrations
APPROVED

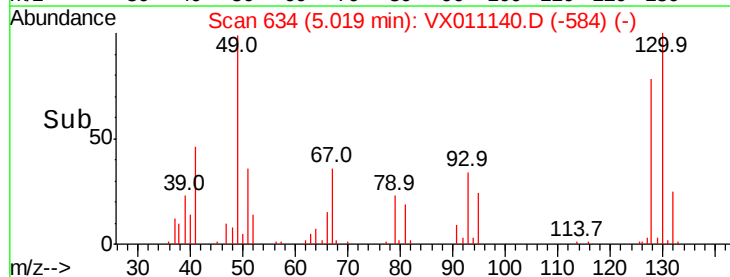
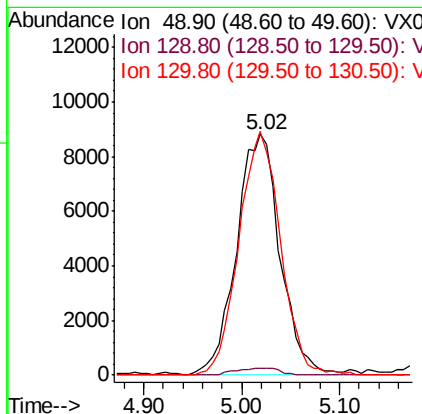
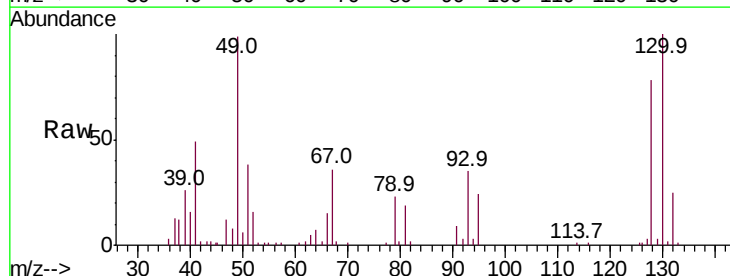
MMDadoda
7/30/2019 11:09:06 AM

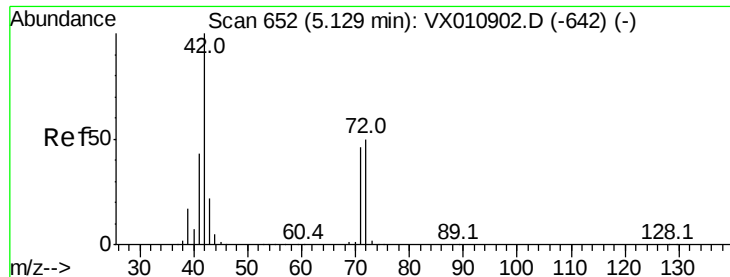


#28

Bromochloromethane
Concen: 18.524 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27198		
129	2.9	0.0	5.2	
130	97.0	76.9	115.3	





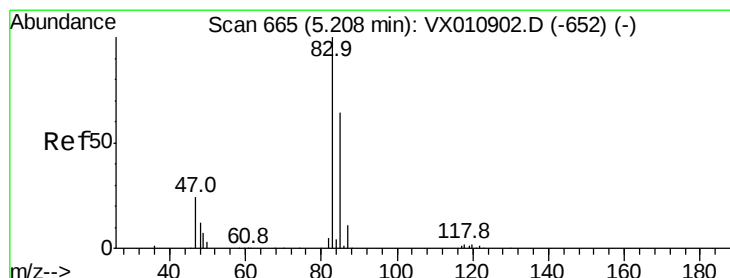
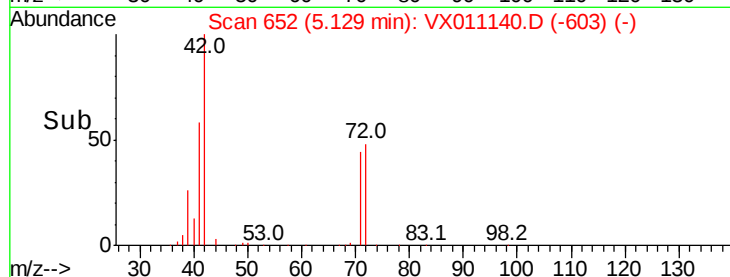
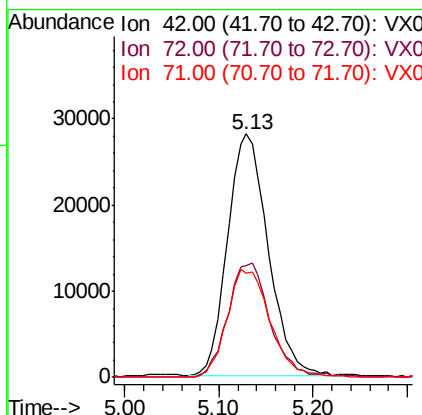
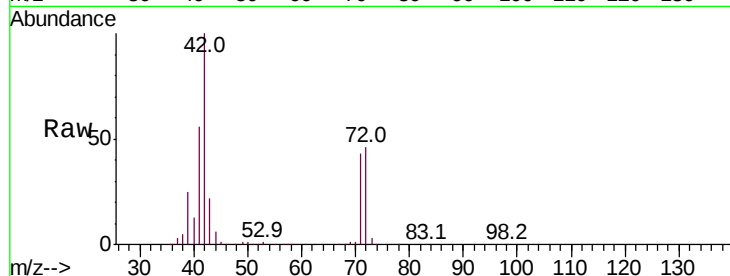
#29
Tetrahydrofuran
Concen: 98.355 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	39.8	59.8
71	47.3	37.0	55.4

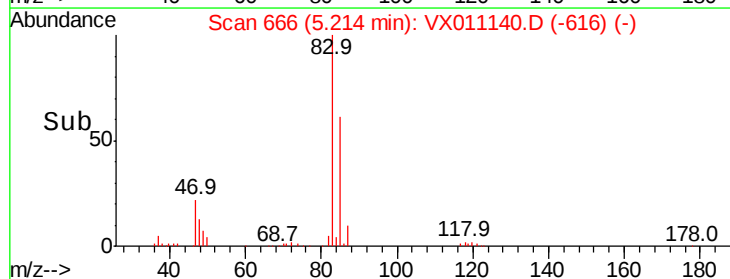
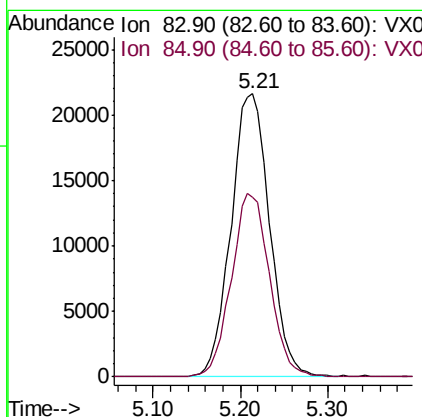
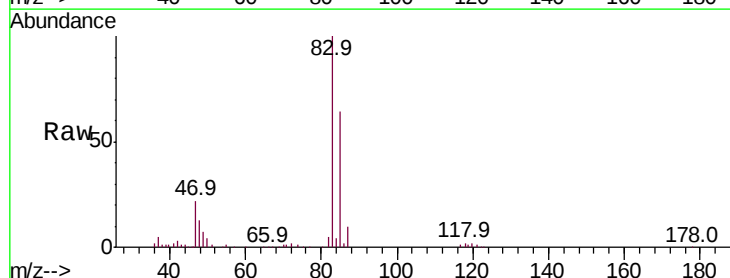
Manual Integrations
APPROVED

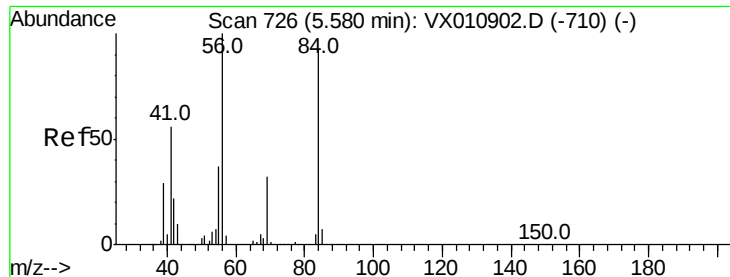
MMDadoda
7/30/2019 11:09:06 AM



#30
Chloroform
Concen: 19.660 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0





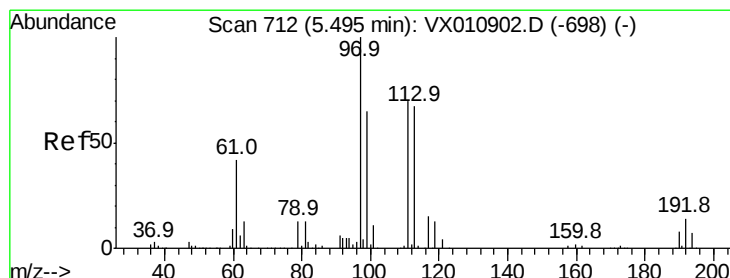
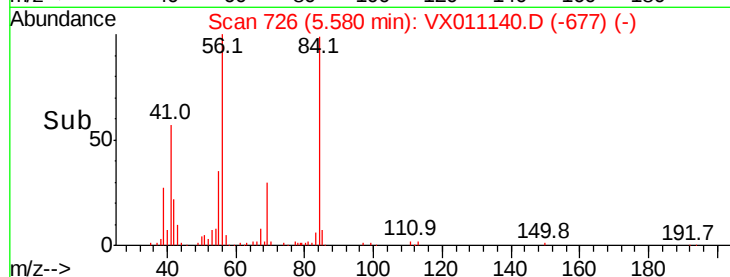
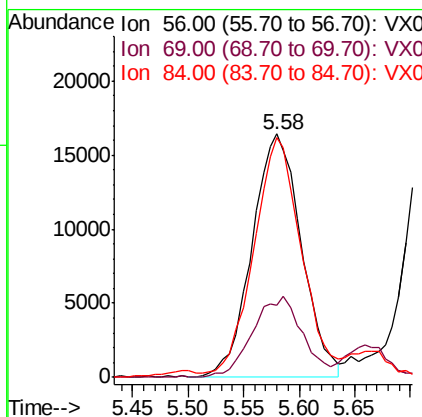
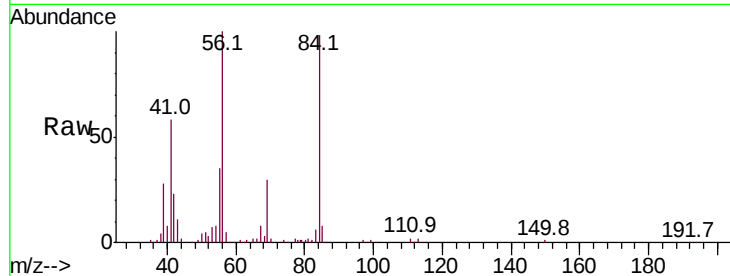
#31
Cyclohexane
Concen: 17.813 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.8	38.8
84	95.7	73.8	110.6

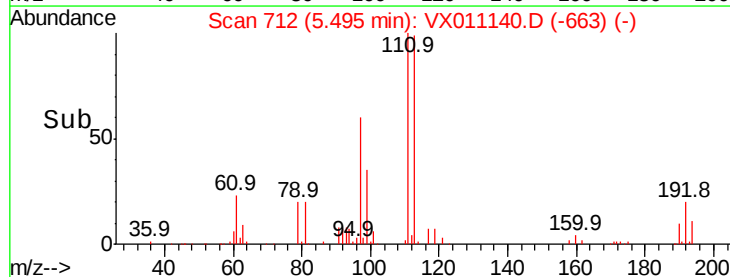
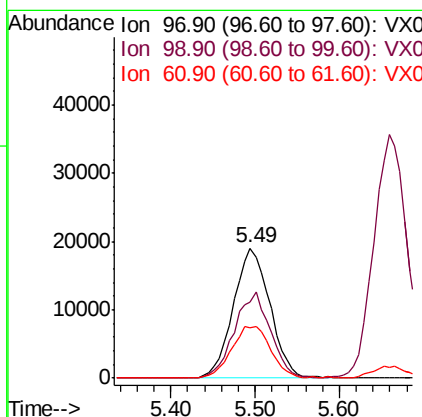
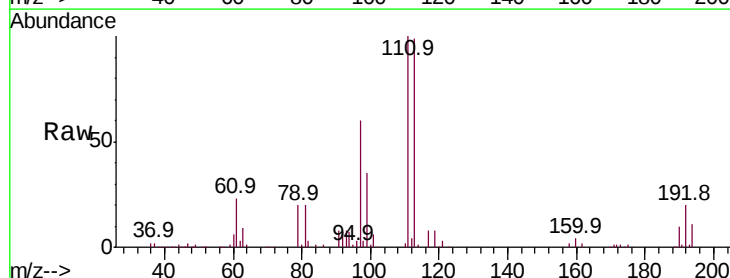
Manual Integrations
APPROVED

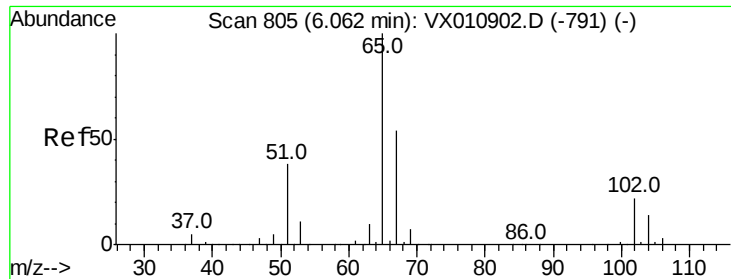
MMDadoda
7/30/2019 11:09:06 AM



#32
1,1,1-Trichloroethane
Concen: 19.246 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	42.8	33.0	49.6





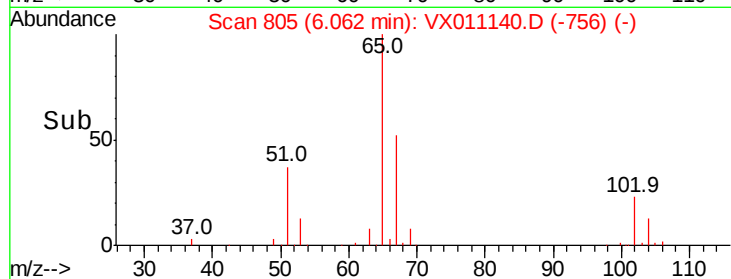
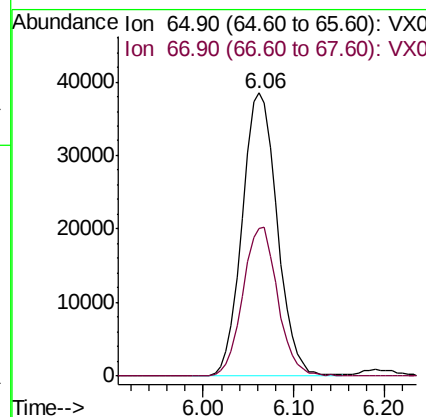
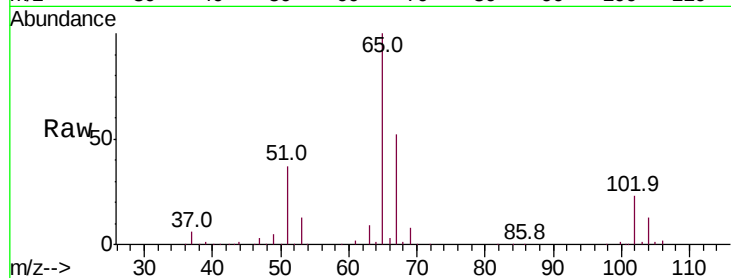
#33
 1,2-Dichloroethane-d4
 Concen: 49.304 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	107.8	

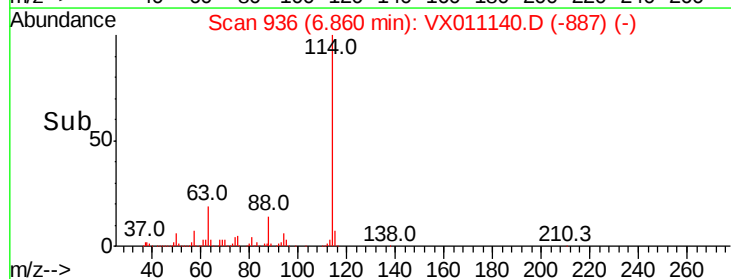
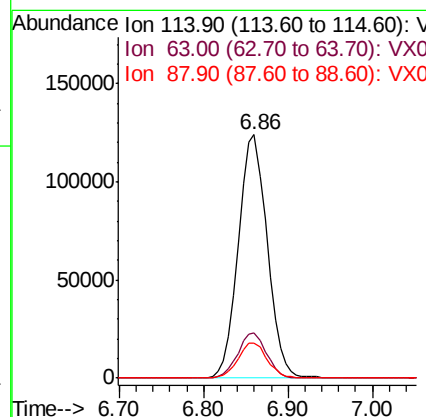
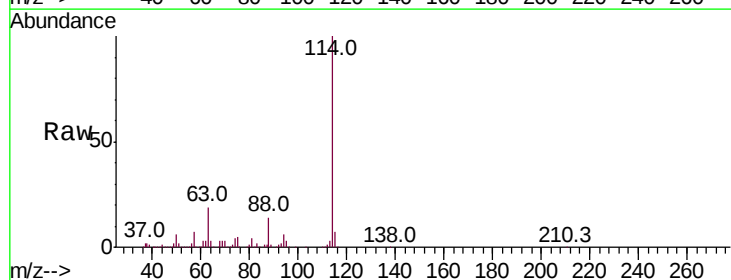
Manual Integrations
 APPROVED

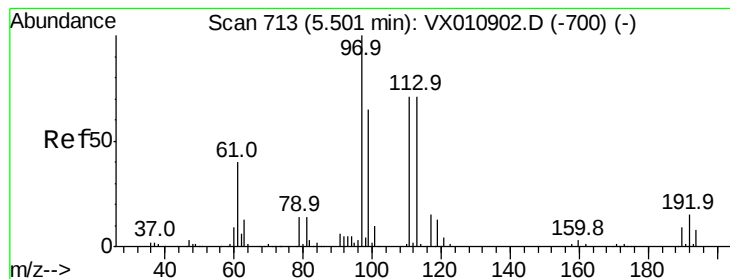
MMDadoda
 7/30/2019 11:09:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	35.6	
88	14.4	0.0	29.8	





#35

Dibromofluoromethane

Concen: 50.053 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion:113 Resp: 91355

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

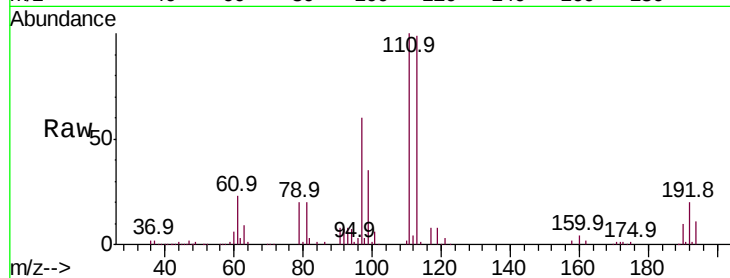
192 21.8 17.4 26.2

Manual Integrations

APPROVED

MMDadoda

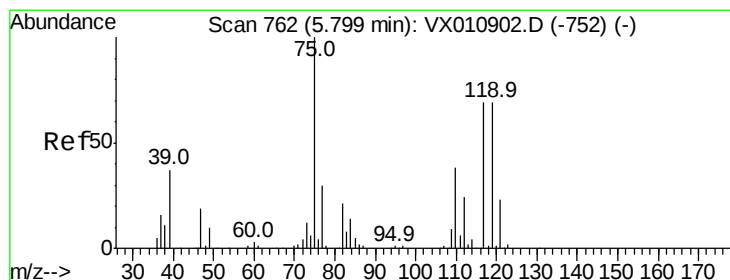
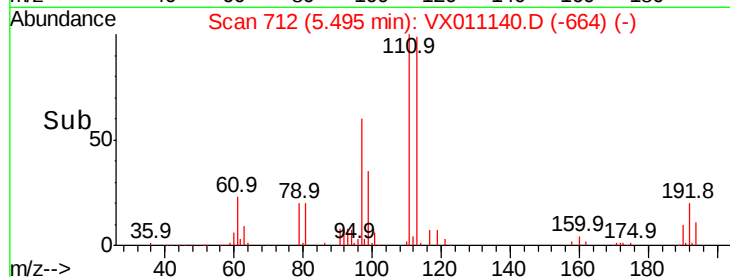
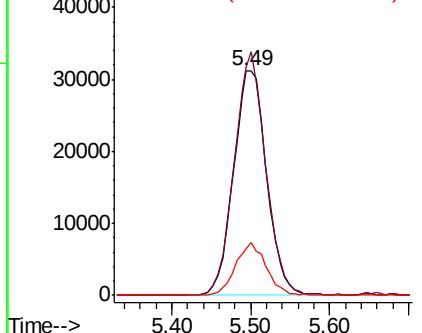
7/30/2019 11:09:06 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.028 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

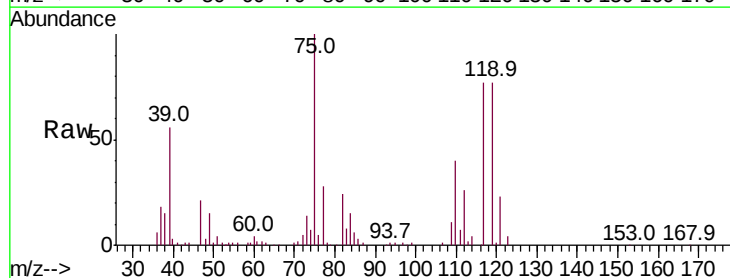
Tgt Ion: 75 Resp: 44944

Ion Ratio Lower Upper

75 100

110 40.3 19.9 59.7

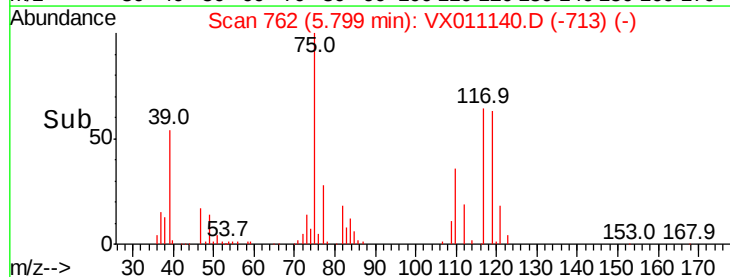
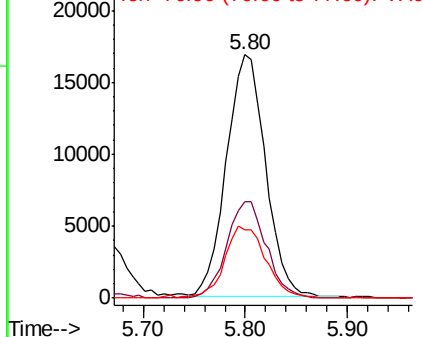
77 31.3 25.0 37.4

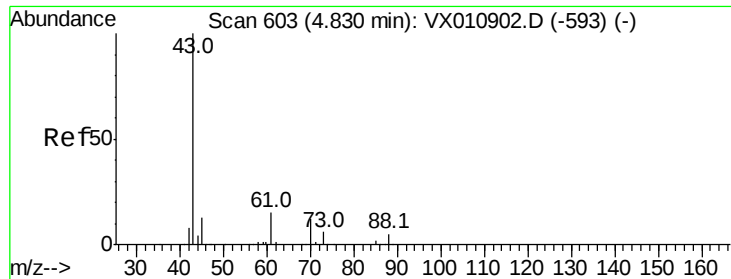


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





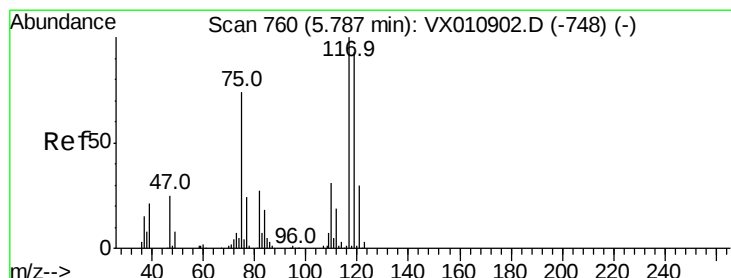
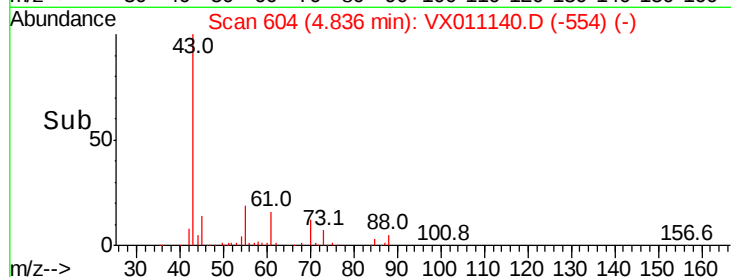
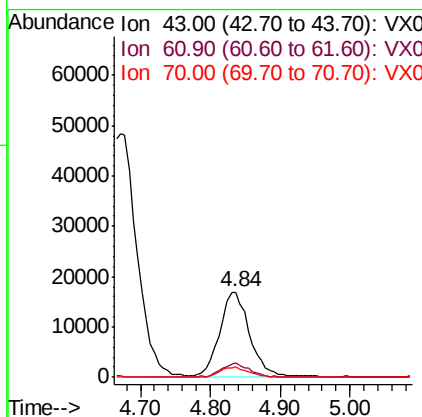
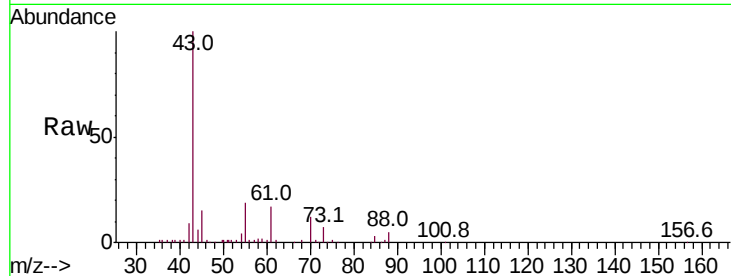
#37
Ethyl Acetate
Concen: 20.606 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	43	61	70
Resp	49839		
Ratio	100	15.8	12.1
Lower		11.6	9.1
Upper		17.4	13.7

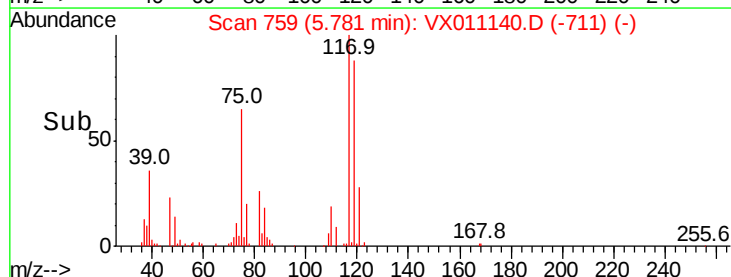
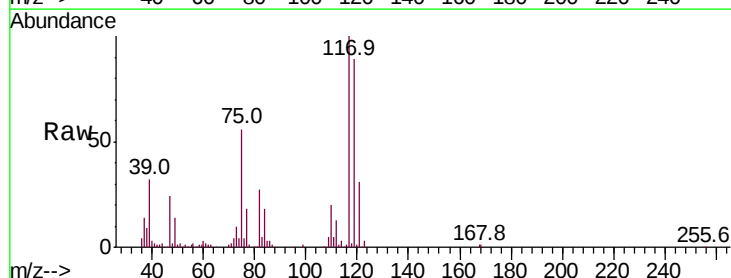
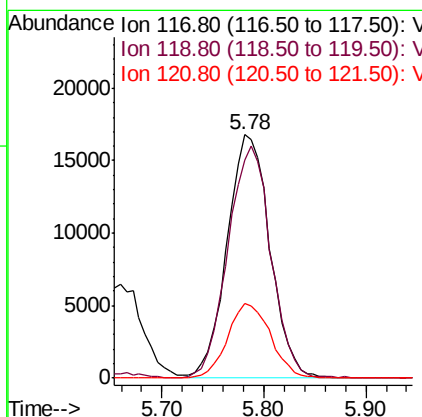
Manual Integrations
APPROVED

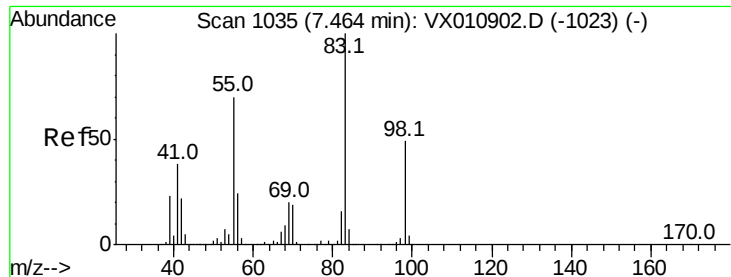
MMDadoda
7/30/2019 11:09:06 AM



#38
Carbon Tetrachloride
Concen: 19.880 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	117	119	121
Resp	48930		
Ratio	100	89.1	30.9
Lower		74.2	24.2
Upper		111.2	36.2





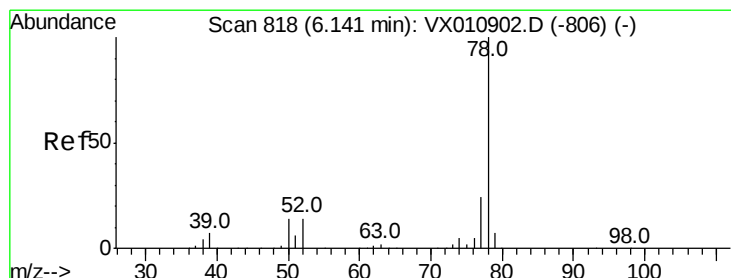
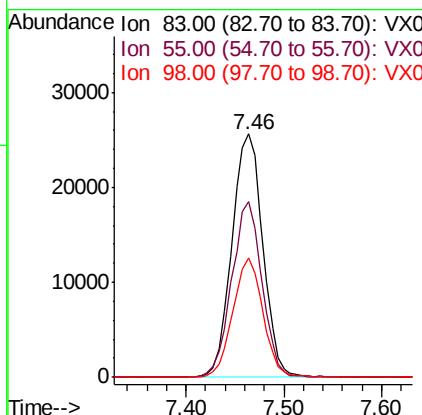
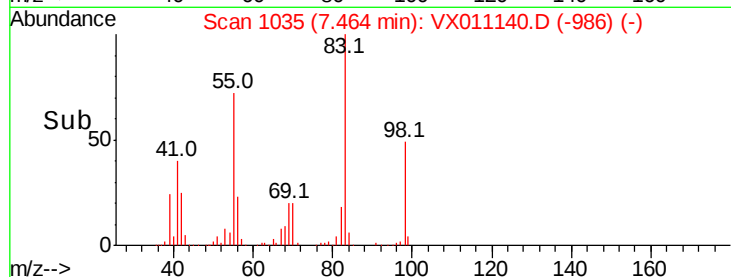
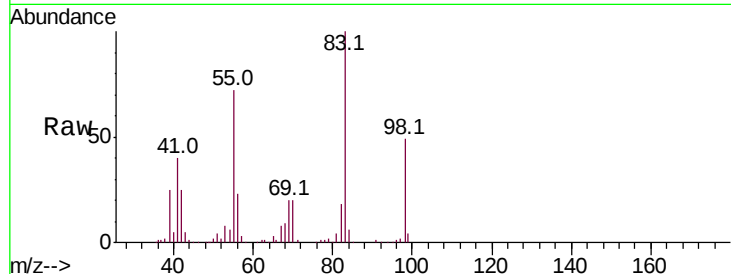
#39
Methvlcvclohexane
Concen: 18.334 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	56.2	84.4
98	49.2	39.0	58.4

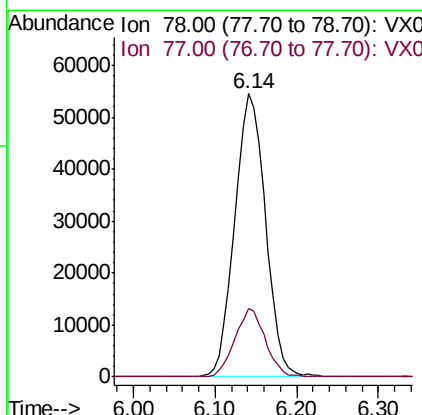
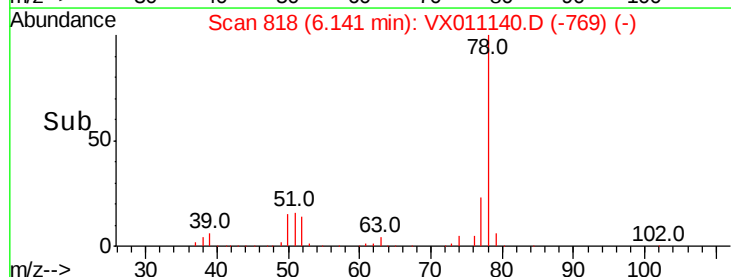
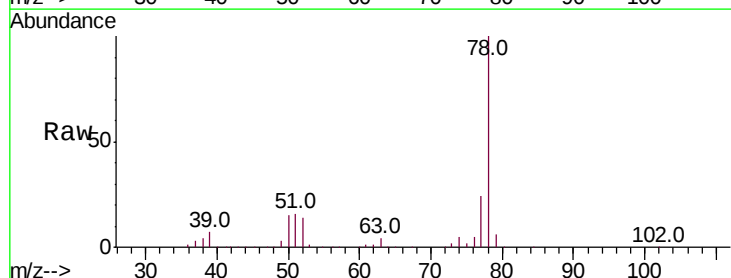
Manual Integrations
APPROVED

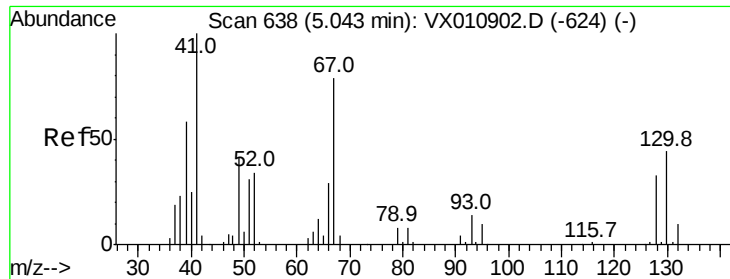
MMDadoda
7/30/2019 11:09:06 AM



#40
Benzene
Concen: 19.740 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





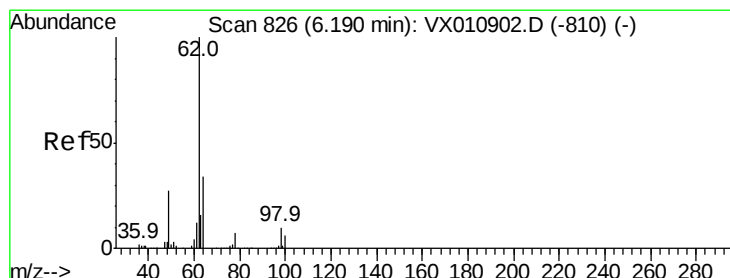
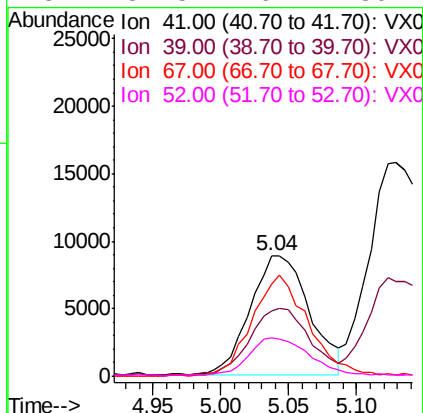
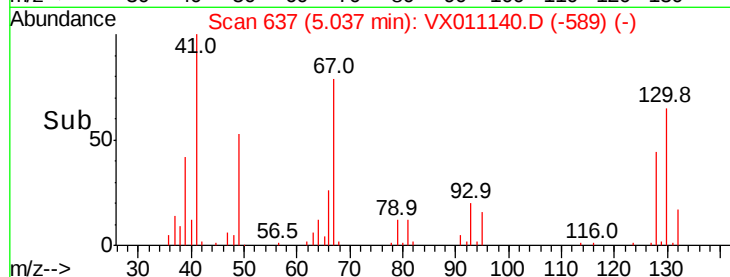
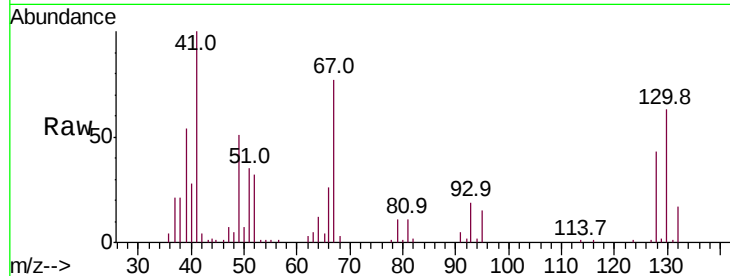
#41
Methacrylonitrile
Concen: 19.604 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.4	68.2
67	81.9	65.9	98.9
52	34.5	26.2	39.2

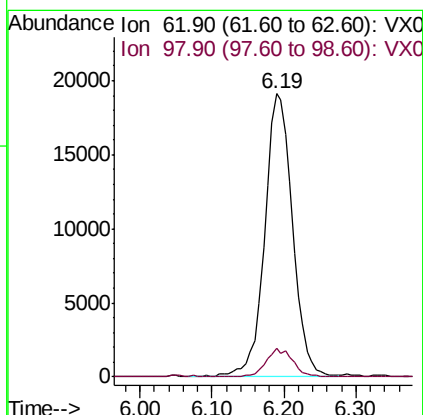
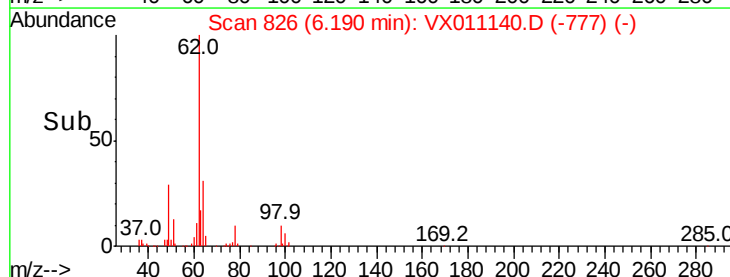
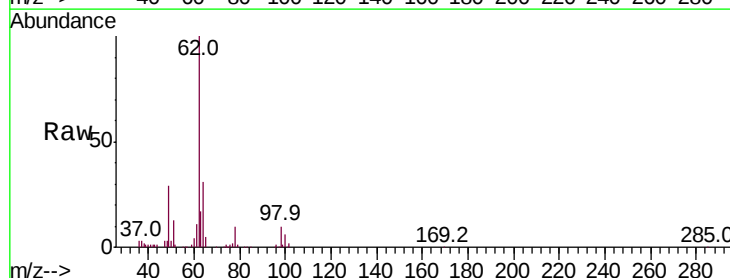
Manual Integrations
APPROVED

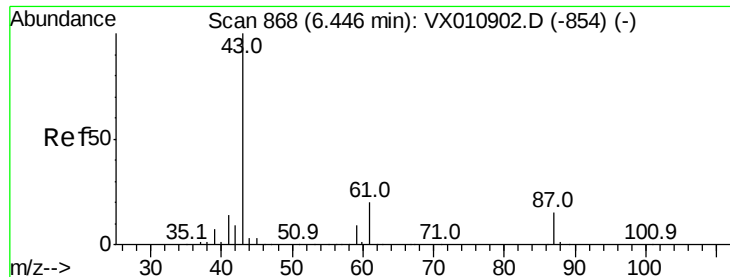
MMDadoda
7/30/2019 11:09:06 AM



#42
1,2-Dichloroethane
Concen: 20.397 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.776 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

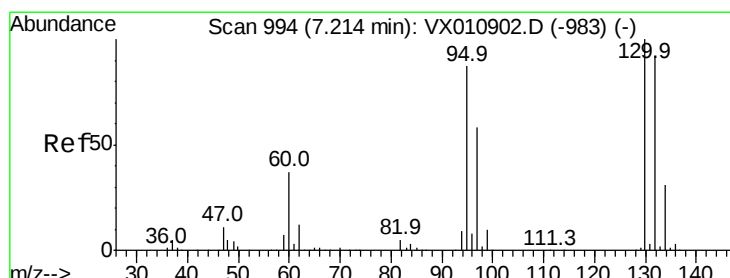
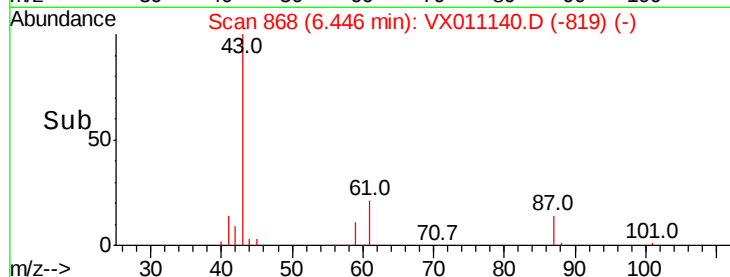
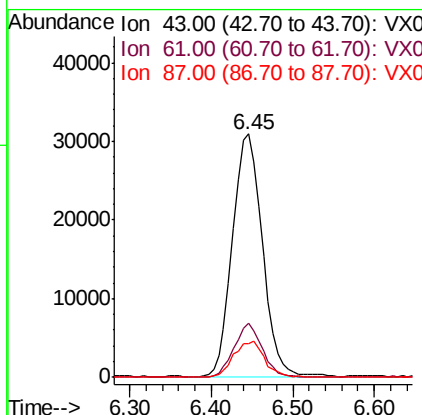
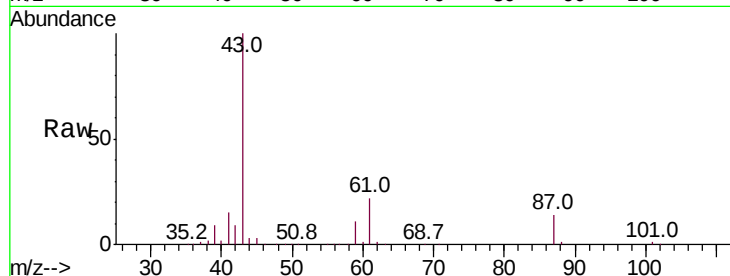
ClientSampleId :

VX0729WBSD01

Tot Ion:	43	Resp:	78648
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.1	25.7
87	15.1	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#44

Trichloroethene

Concen: 19.568 ug/l

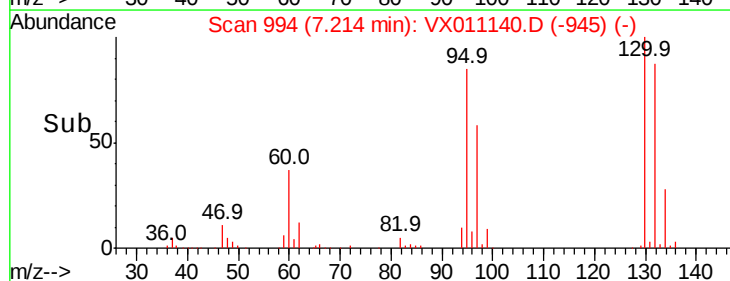
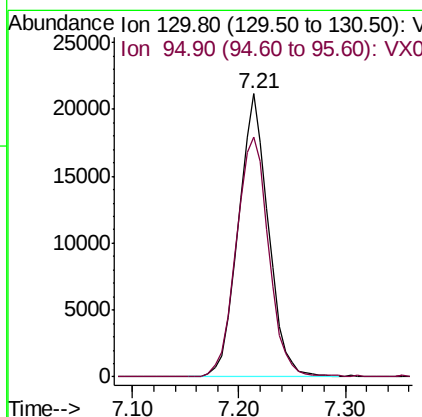
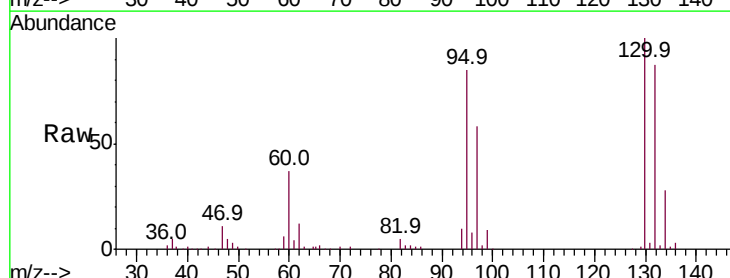
RT: 7.21 min Scan# 994

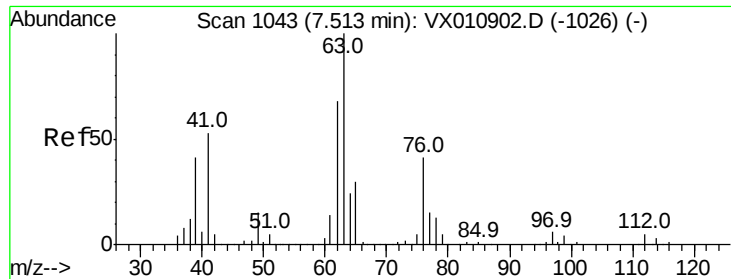
Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion:	130	Resp:	41908
Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	174.8





#45

1,2-Dichloropropane

Concen: 20.097 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 63 Resp: 37010

Ion Ratio Lower Upper

63 100

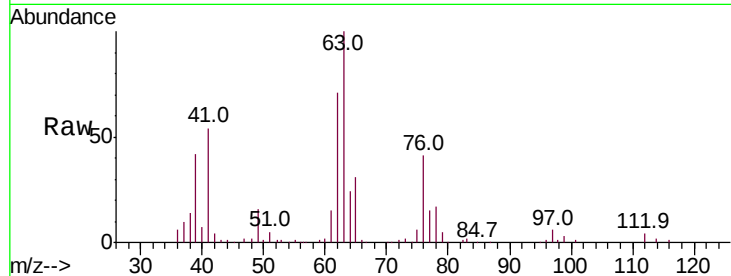
65 31.1 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

20000

15000

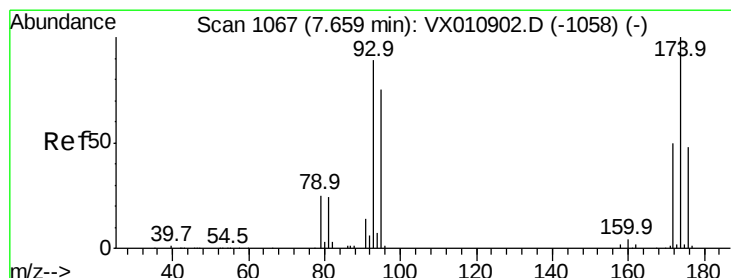
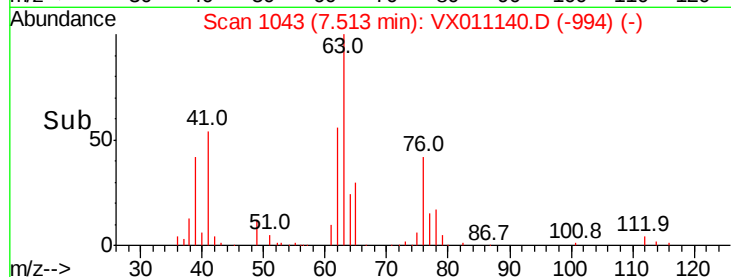
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.945 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

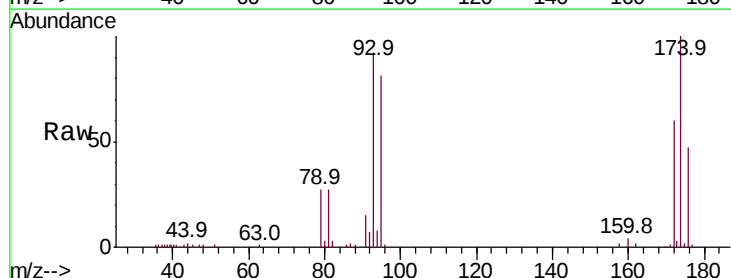
Tgt Ion: 93 Resp: 26245

Ion Ratio Lower Upper

93 100

95 85.1 67.2 100.8

174 110.8 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

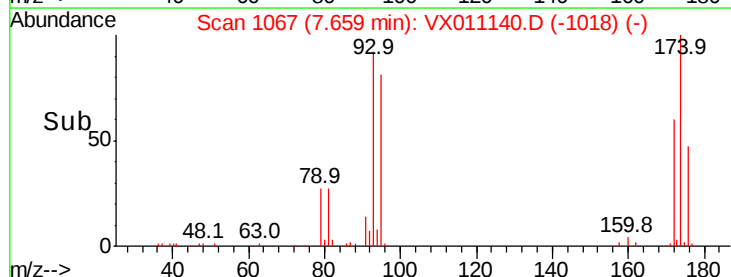
10000

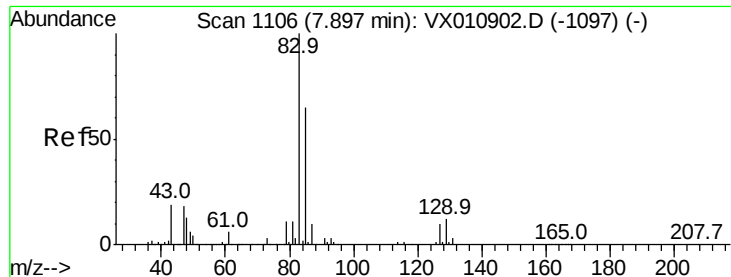
5000

0

Time-->

7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 20.120 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

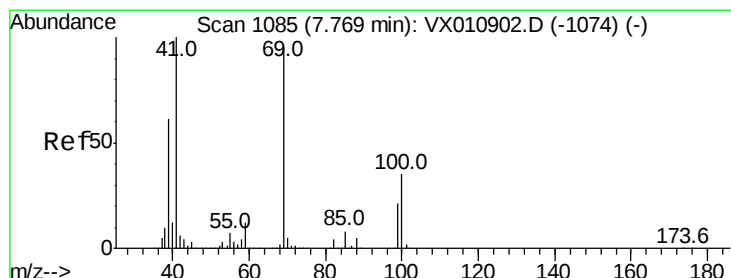
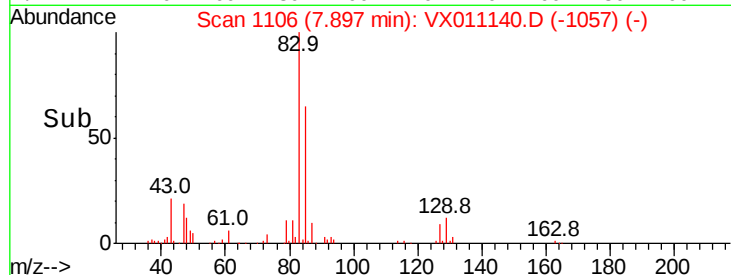
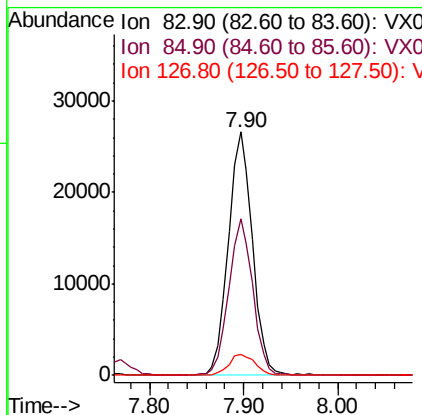
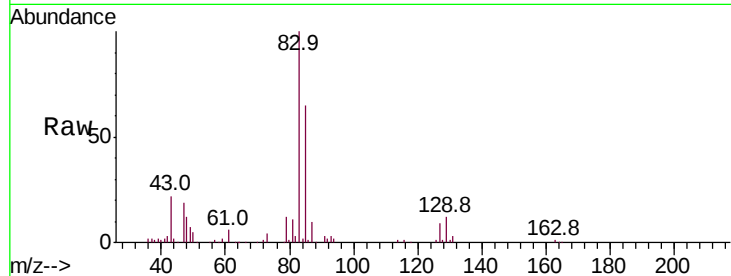
ClientSampleId :

VX0729WBSD01

Tot Ion:	83	Resp:	47129
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	8.7	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#48

Methyl methacrylate

Concen: 20.245 ug/l

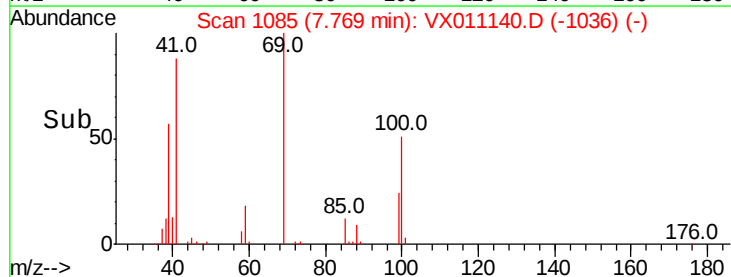
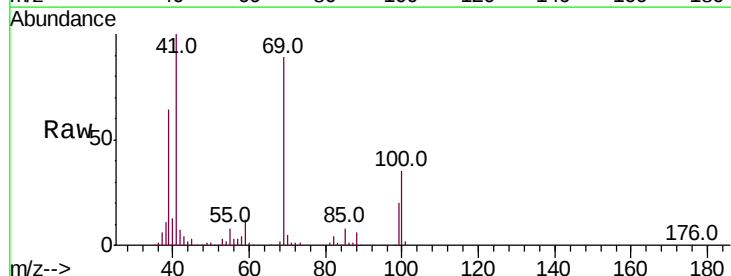
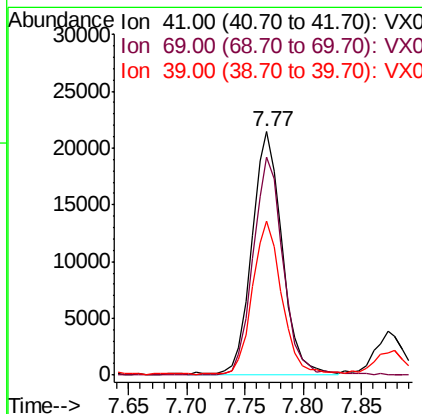
RT: 7.77 min Scan# 1085

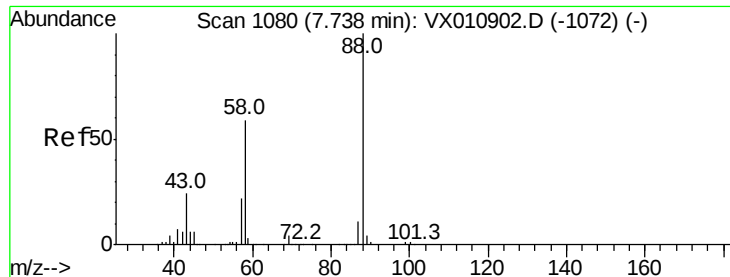
Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion:	41	Resp:	39222
Ion	Ratio	Lower	Upper
41	100		
69	88.5	74.4	111.6
39	60.1	48.9	73.3





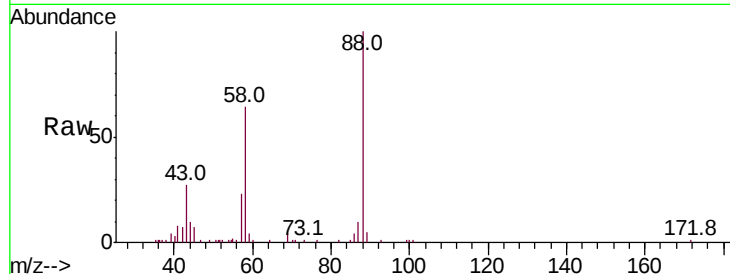
#49
1,4-Dioxane
Concen: 390.807 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

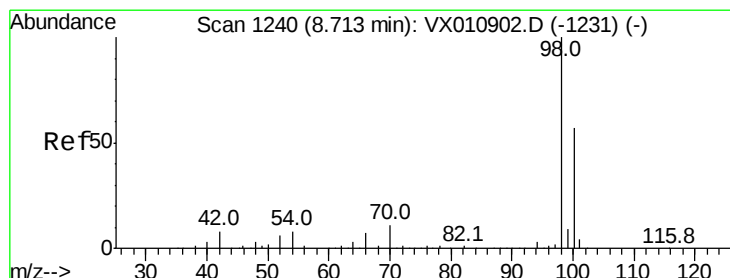
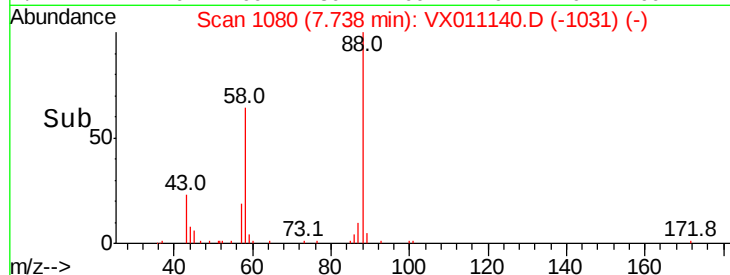
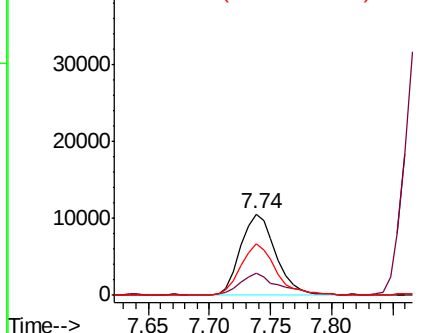
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.9	34.3
58	64.3	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM

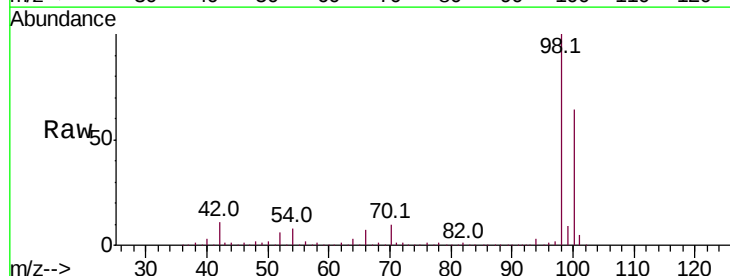


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

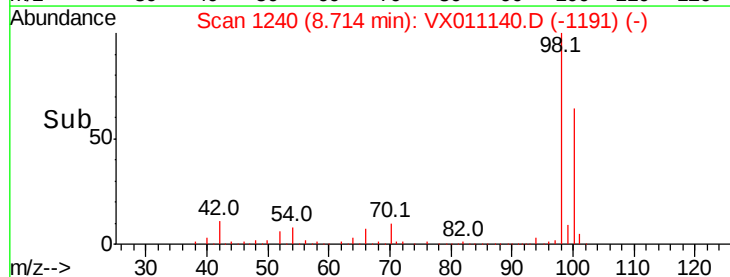
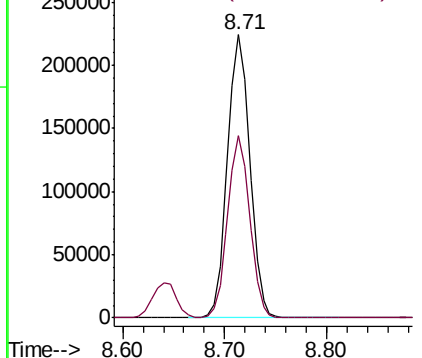


#50
Toluene-d8
Concen: 49.859 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8



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





#51

4-Methyl-2-Pentanone

Concen: 105.157 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampled :

VX0729WBSD01

Tot Ion: 43 Resp: 271096

Ion Ratio Lower Upper

43 100

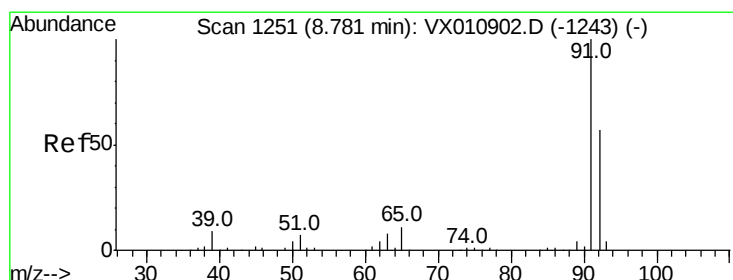
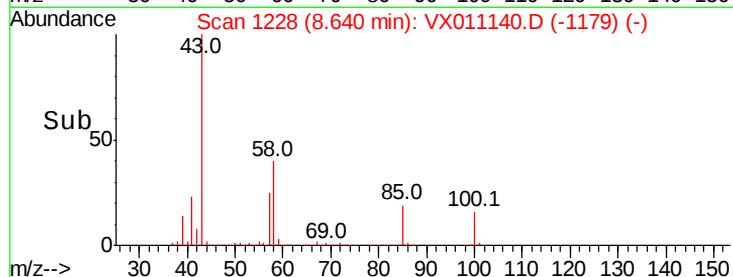
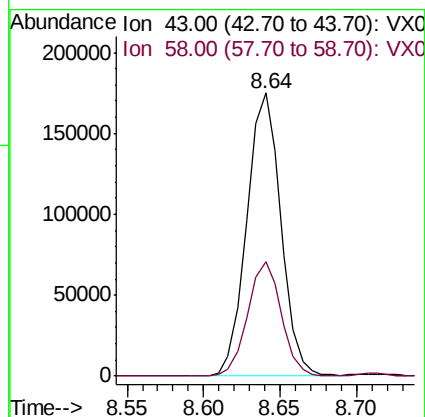
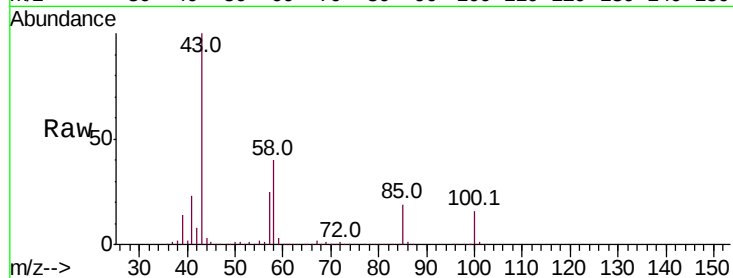
58 39.8 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#52

Toluene

Concen: 19.469 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011140.D

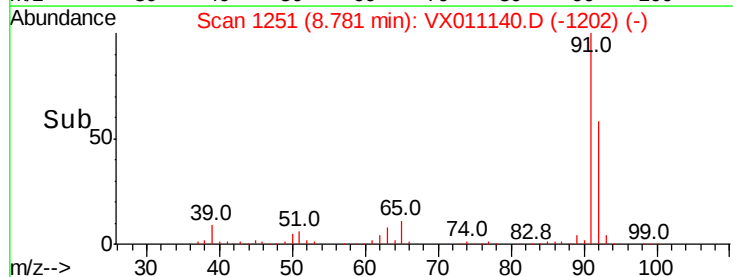
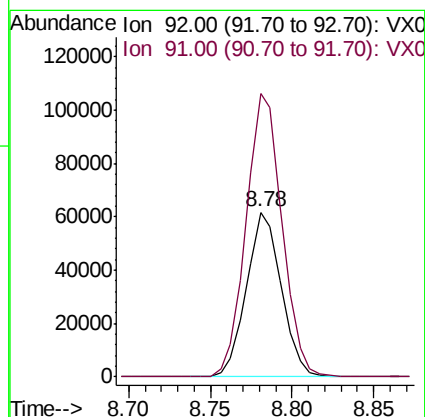
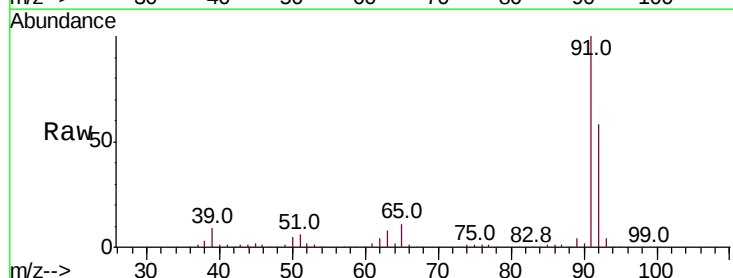
Acq: 29 Jul 2019 13:05

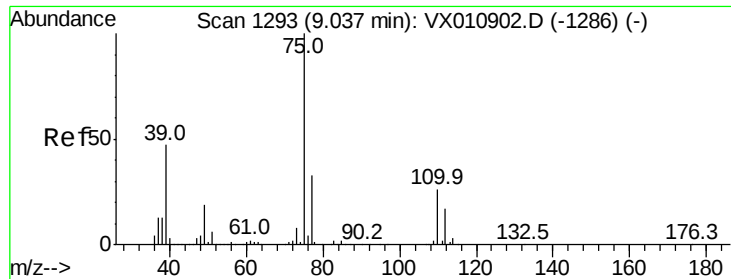
Tgt Ion: 92 Resp: 92536

Ion Ratio Lower Upper

92 100

91 176.5 139.4 209.0





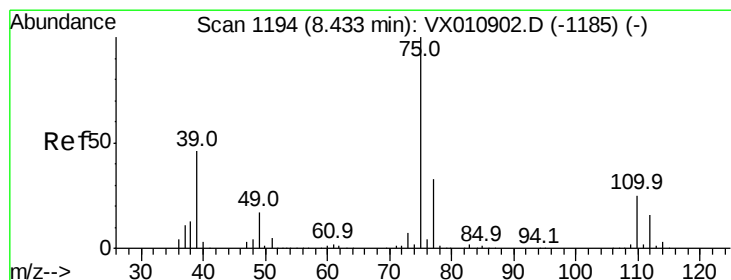
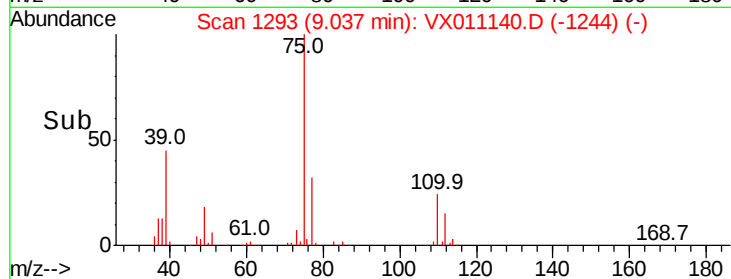
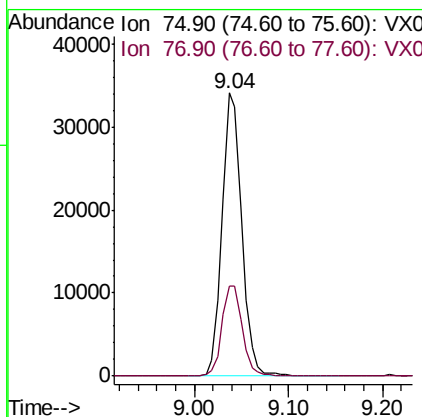
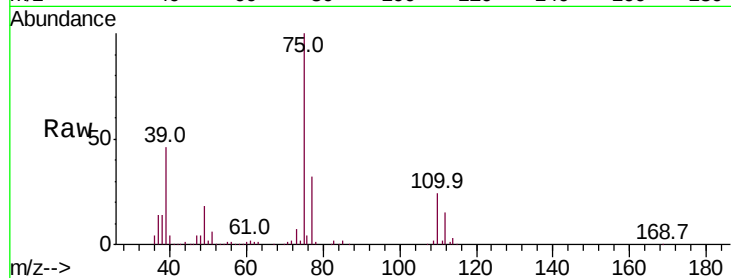
#53
 t-1,3-Dichloropropene
 Concen: 19.661 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion: 75 Resp: 49519
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2

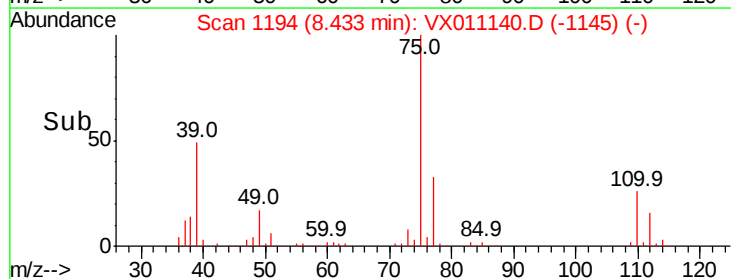
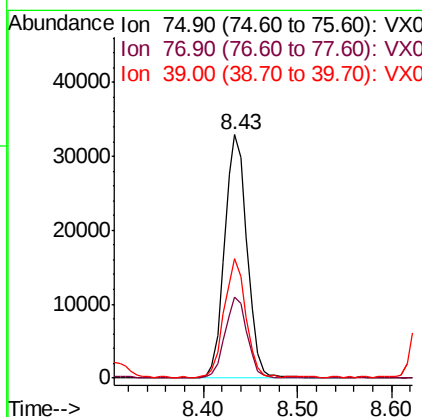
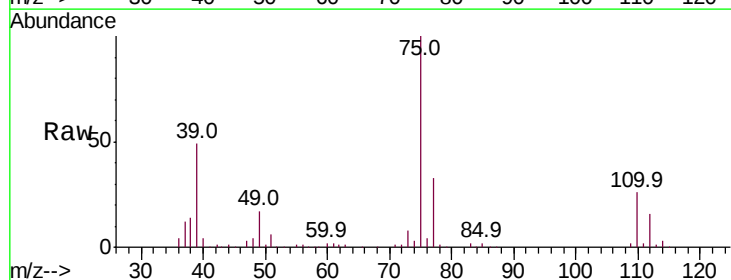
Manual Integrations
 APPROVED

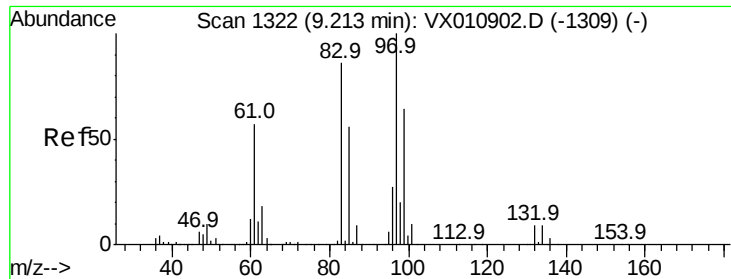
MMDadoda
 7/30/2019 11:09:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.394 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion: 75 Resp: 54353
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.1 39.1
 39 48.4 36.6 54.8





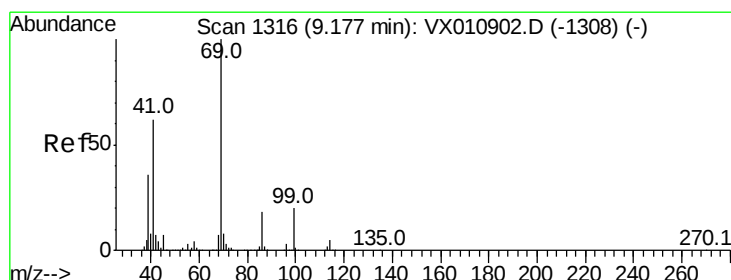
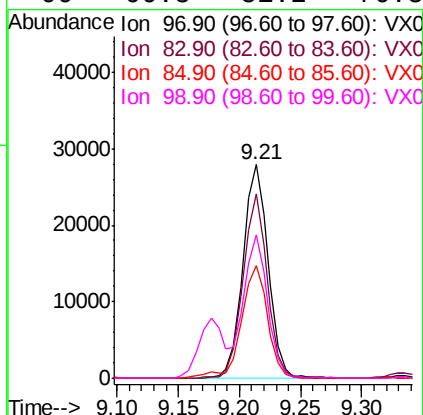
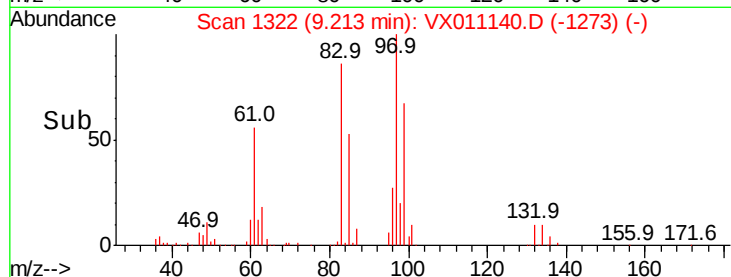
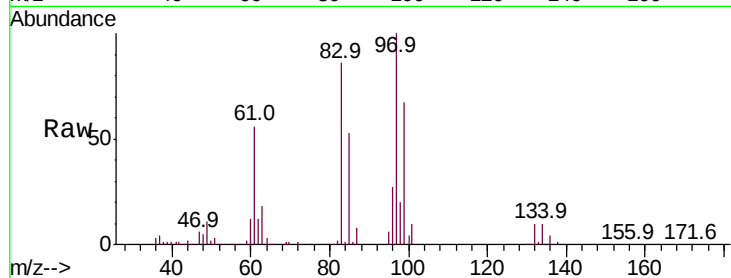
#55
 1,1,2-Trichloroethane
 Concen: 20.436 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion	97	Resp	39994
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.2	103.8
85	52.4	44.6	66.8
99	66.8	51.2	76.8

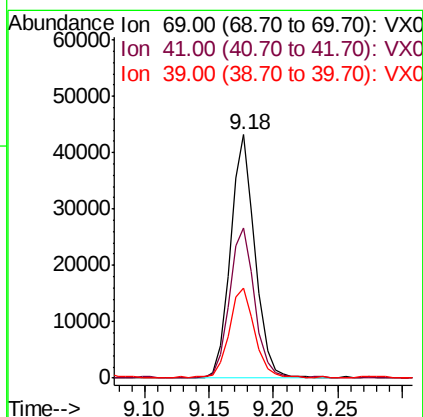
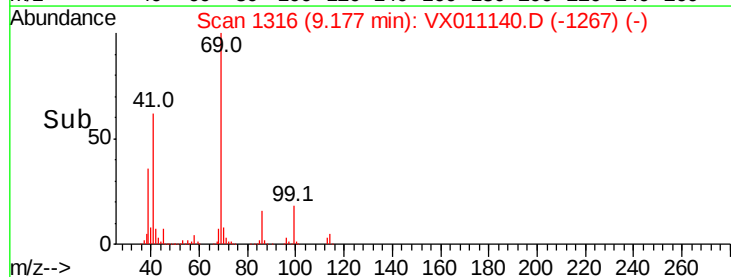
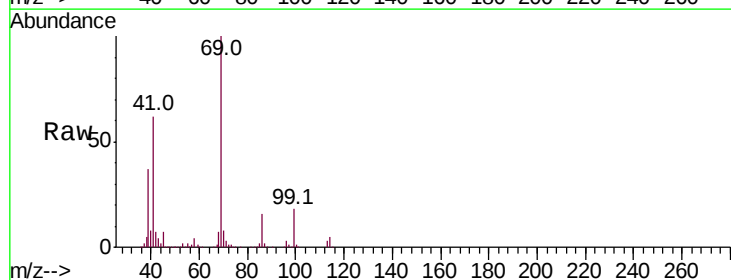
Manual Integrations
 APPROVED

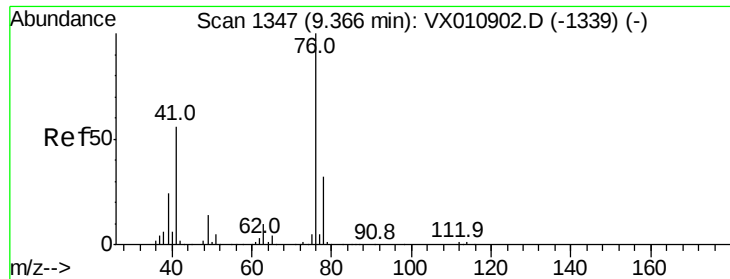
MMDadoda
 7/30/2019 11:09:06 AM



#56
 Ethyl methacrylate
 Concen: 20.086 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion	69	Resp	57501
Ion	Ratio	Lower	Upper
69	100		
41	64.2	49.7	74.5
39	38.2	29.6	44.4





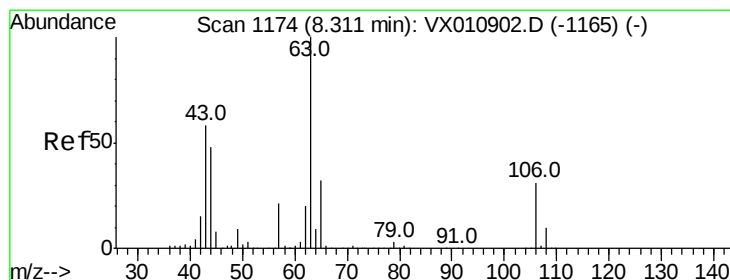
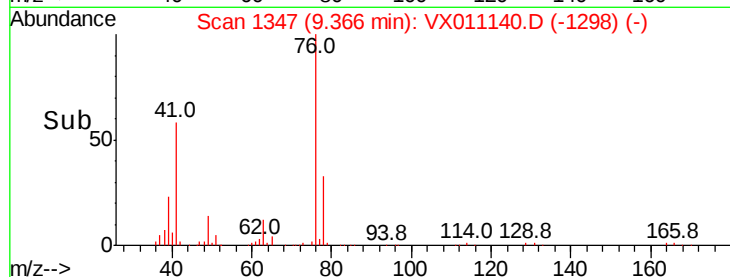
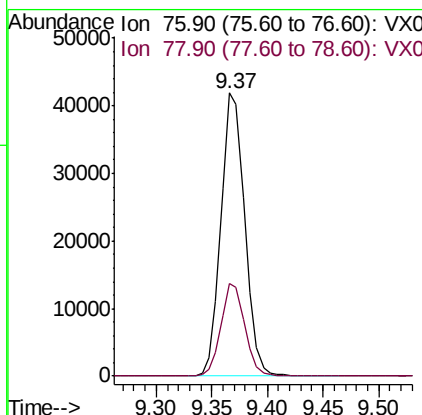
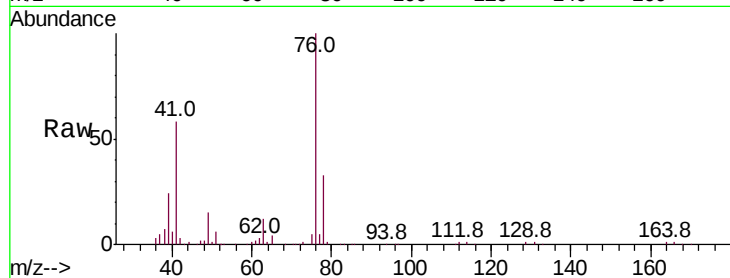
#57
 1,3-Dichloropropane
 Concen: 20.031 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion: 76 Resp: 62189
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

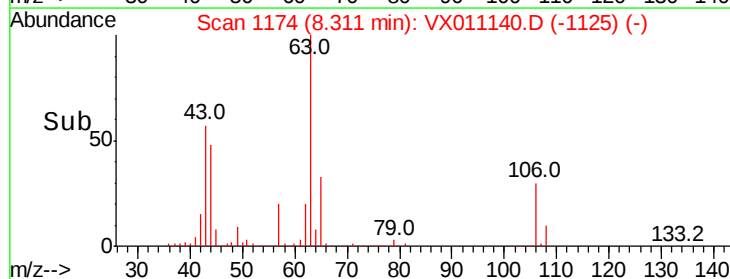
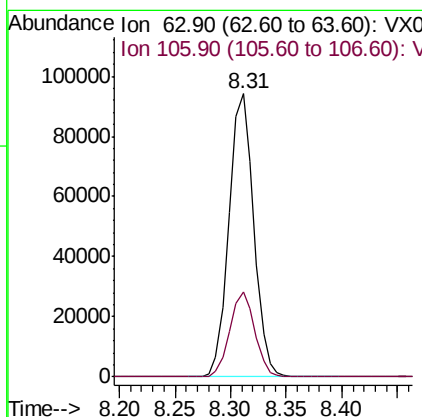
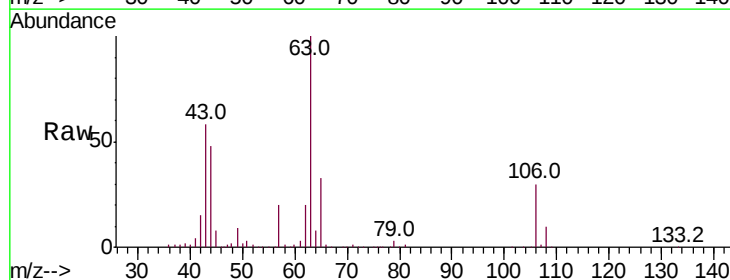
Manual Integrations
 APPROVED

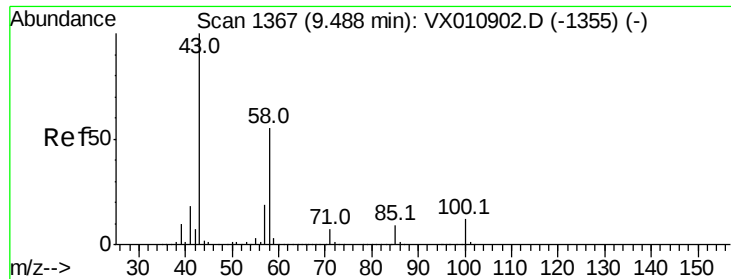
MMDadoda
 7/30/2019 11:09:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.643 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion: 63 Resp: 145733
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.0 36.0





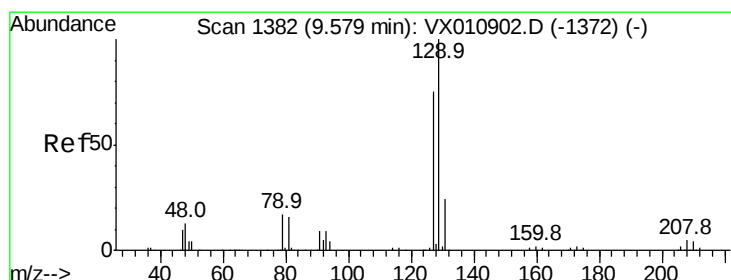
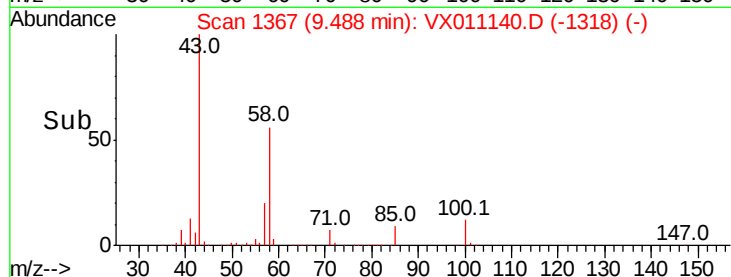
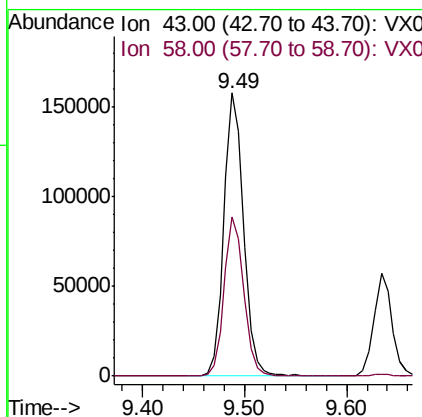
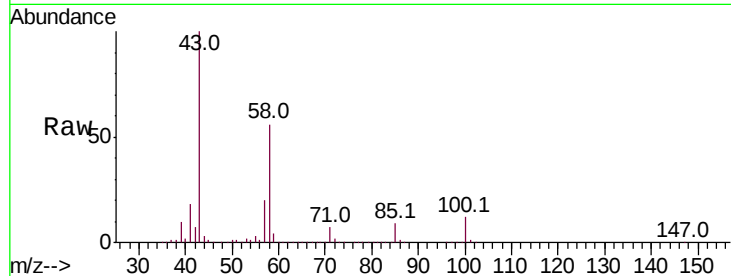
#59
2-Hexanone
Concen: 106.058 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion: 43 Resp: 212068
Ion Ratio Lower Upper
43 100
58 56.1 28.0 83.9

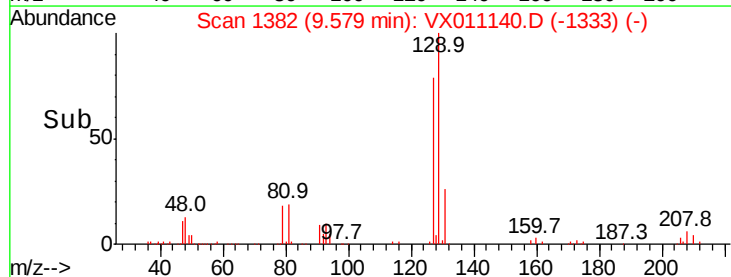
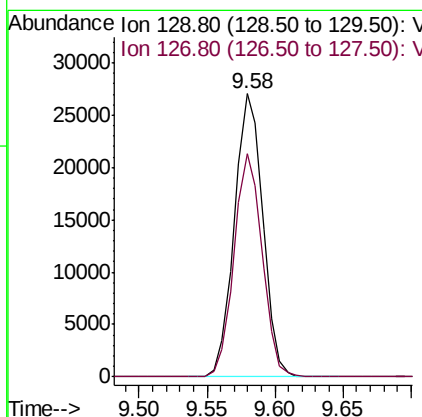
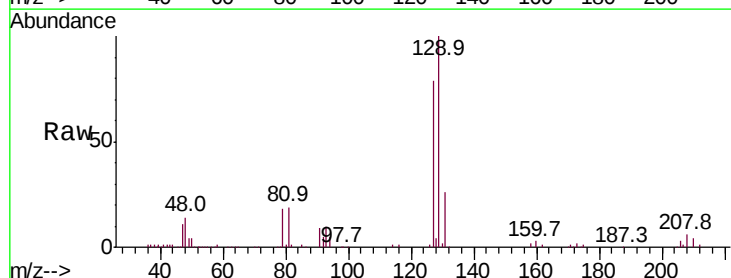
Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#60
Dibromochloromethane
Concen: 19.153 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 129 Resp: 39440
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.289 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion:107 Resp: 42139

Ion Ratio Lower Upper

107 100

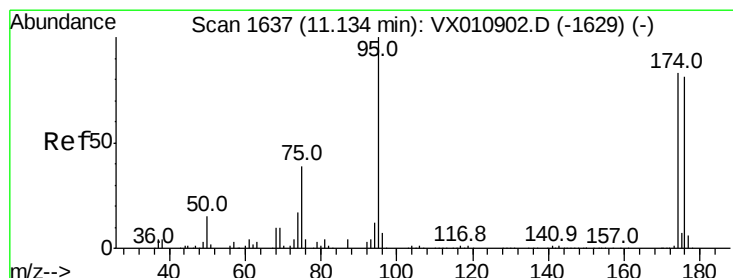
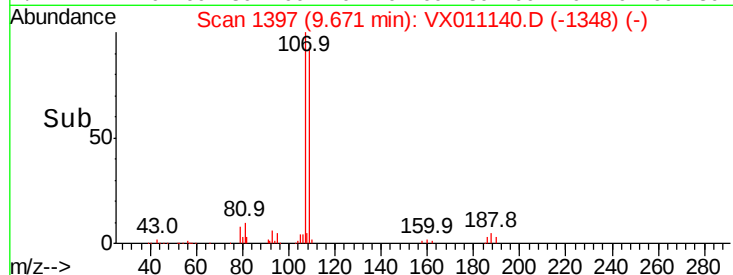
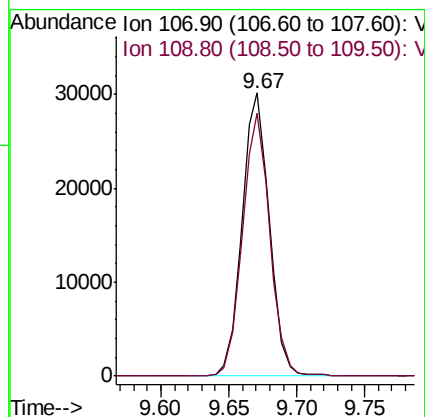
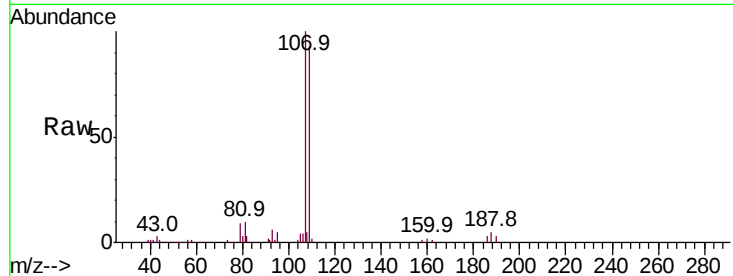
109 93.3 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#62

4-Bromofluorobenzene

Concen: 49.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

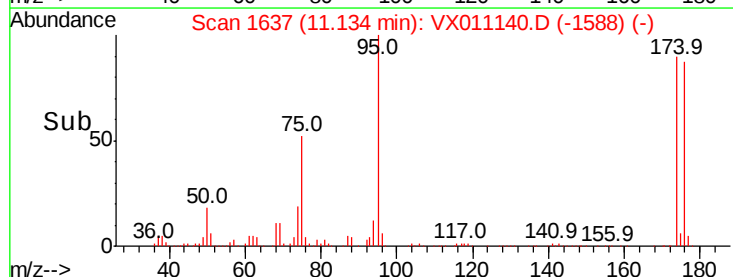
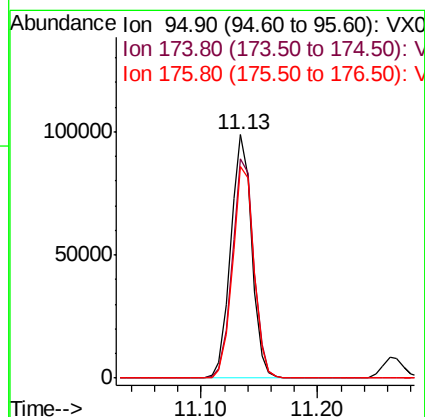
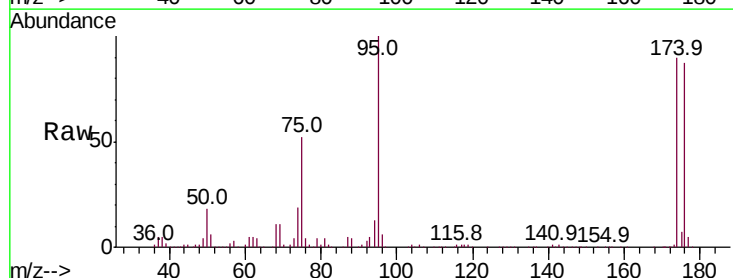
Tgt Ion: 95 Resp: 123865

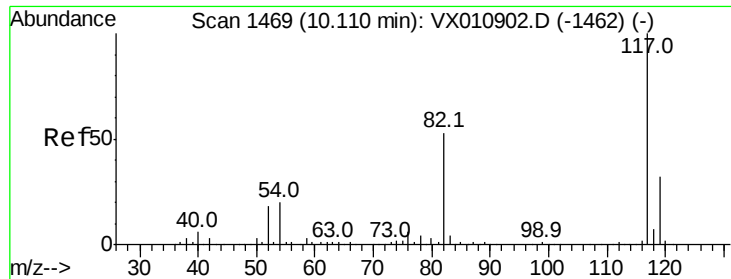
Ion Ratio Lower Upper

95 100

174 92.0 0.0 180.6

176 88.5 0.0 173.8





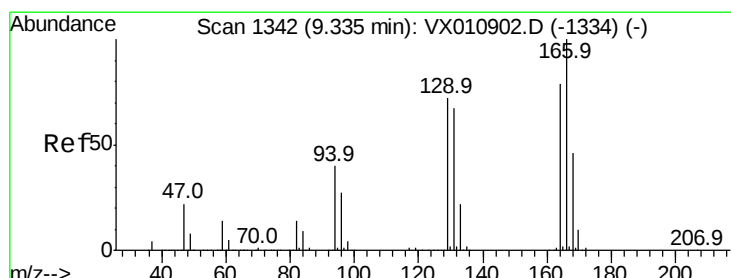
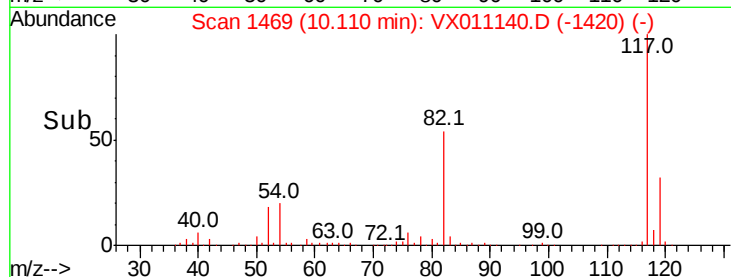
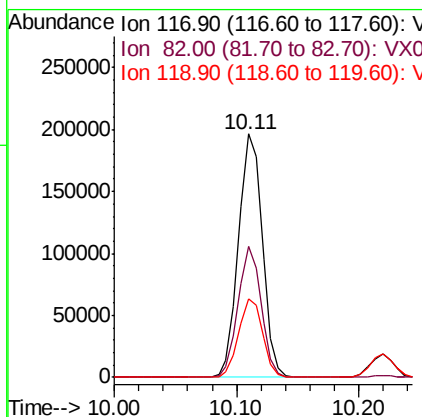
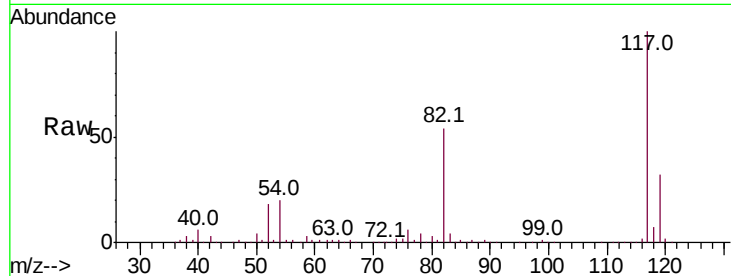
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264103		
82	53.6		42.6	63.8
119	32.4		25.9	38.9

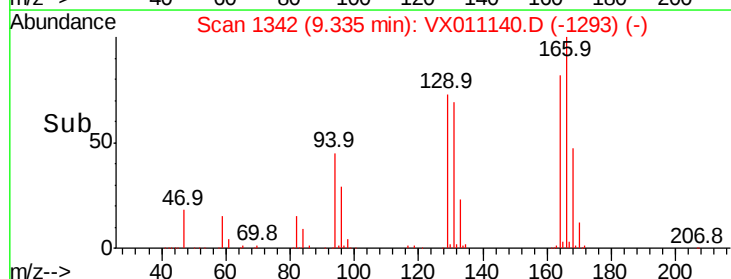
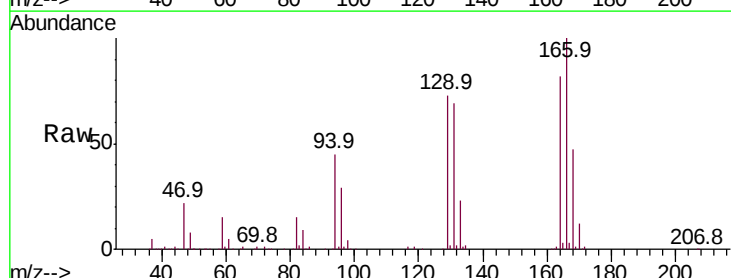
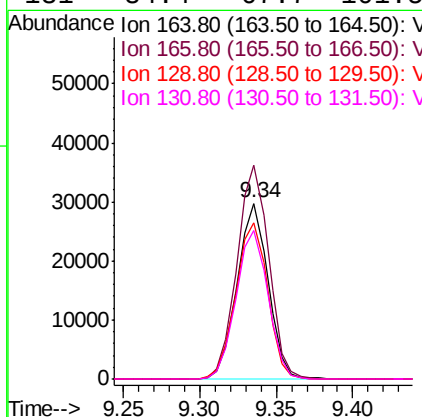
Manual Integrations
APPROVED

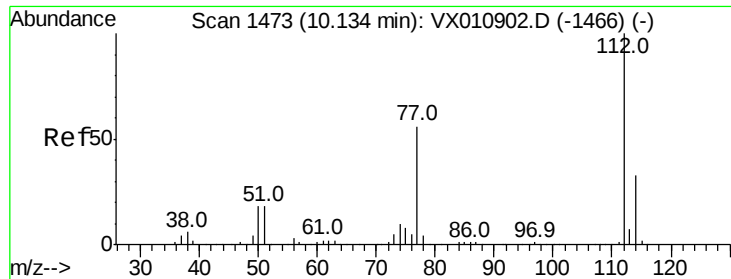
MMDadoda
7/30/2019 11:09:06 AM



#64
Tetrachloroethene
Concen: 20.036 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41627		
166	121.4		100.8	151.2
129	88.6		72.6	109.0
131	84.4		67.7	101.5





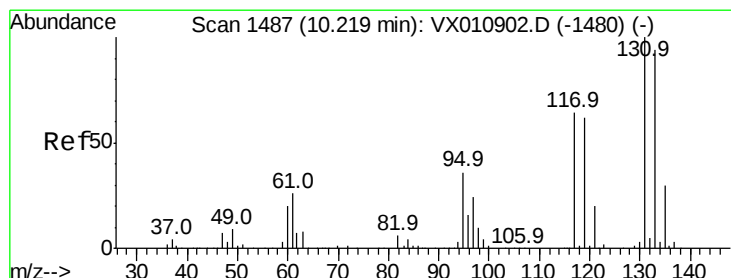
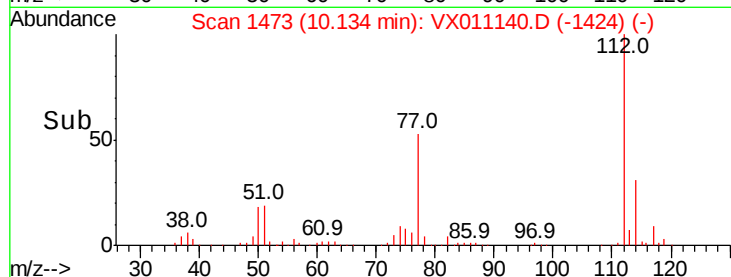
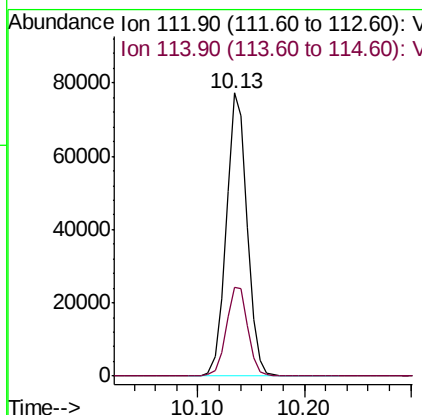
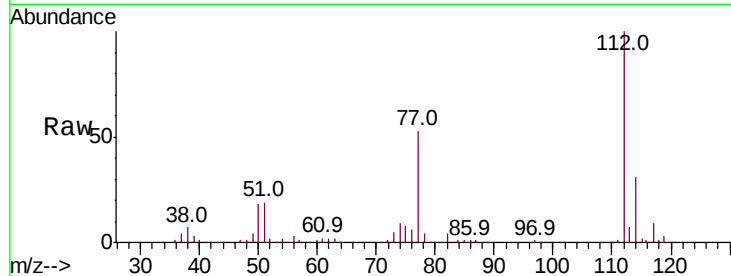
#65
Chlorobenzene
Concen: 19.468 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion:112 Resp: 105602
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4

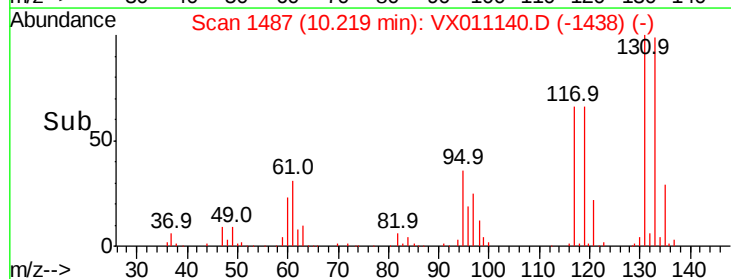
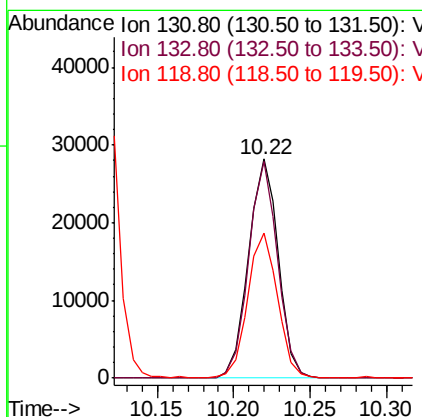
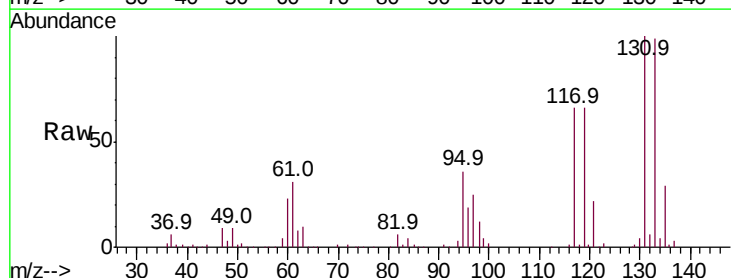
Manual Integrations
APPROVED

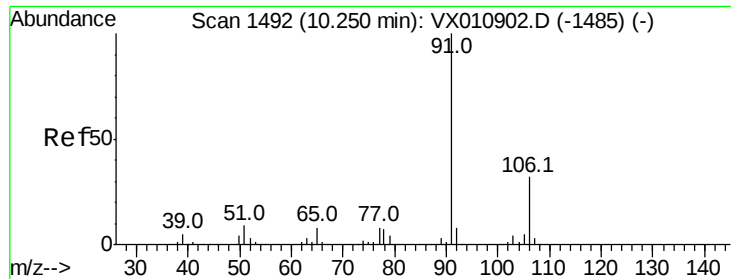
MMDadoda
7/30/2019 11:09:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.015 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion:131 Resp: 38158
Ion Ratio Lower Upper
131 100
133 96.1 47.1 141.4
119 66.4 31.9 95.7





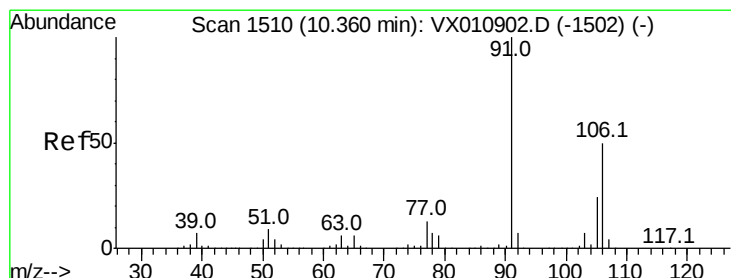
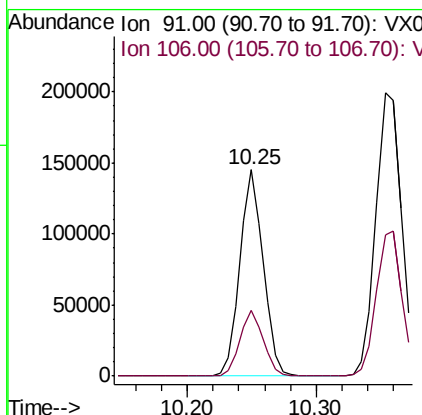
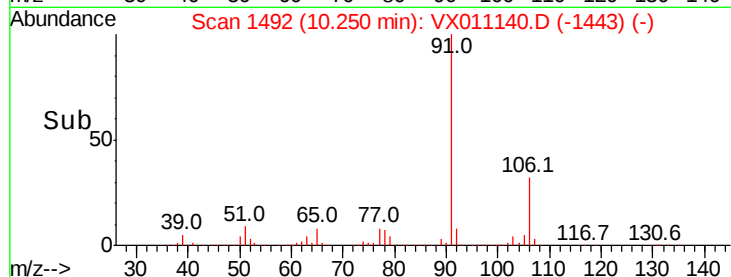
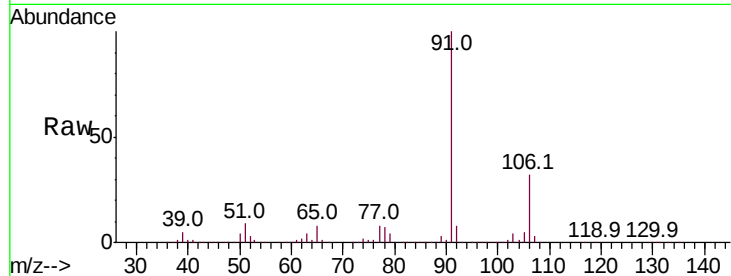
#67
Ethyl Benzene
Concen: 19.734 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion: 91 Resp: 182207
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

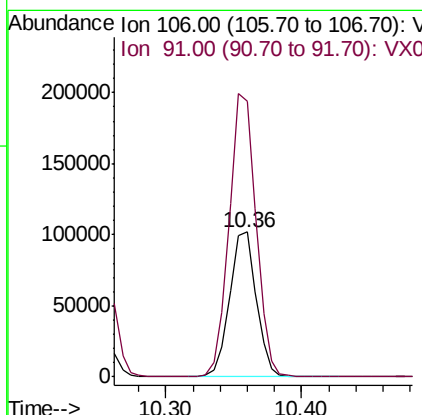
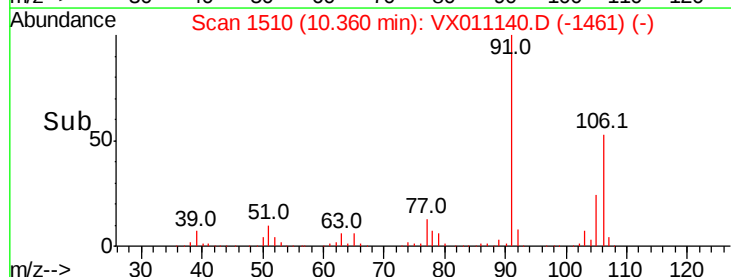
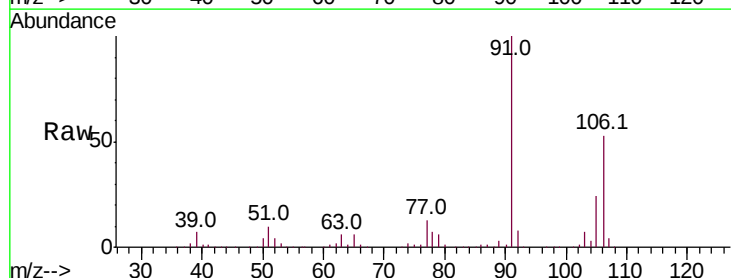
Manual Integrations
APPROVED

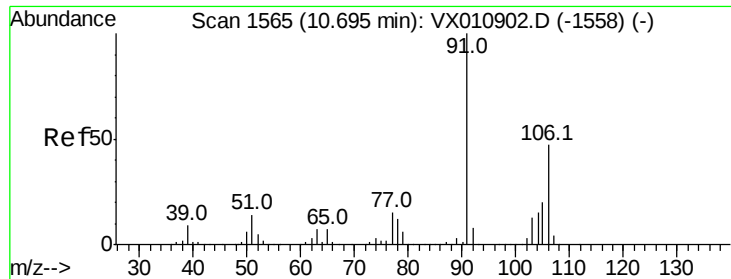
MMDadoda
7/30/2019 11:09:06 AM



#68
m/p-Xylenes
Concen: 39.493 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion: 106 Resp: 139872
Ion Ratio Lower Upper
106 100
91 196.5 160.1 240.1





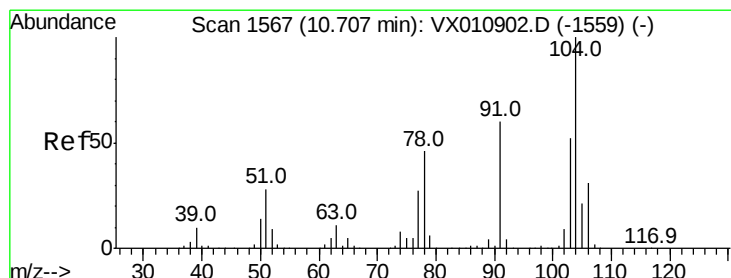
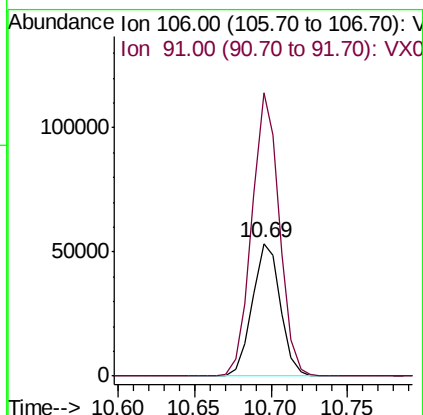
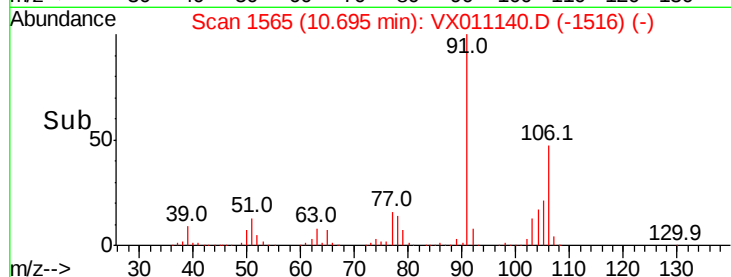
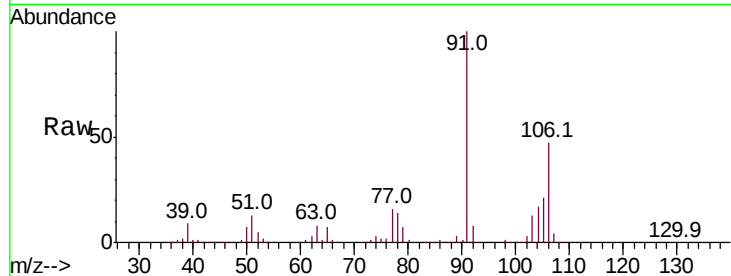
#69
o-Xylene
Concen: 19.679 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleID :
VX0729WBSD01

Tot Ion:106 Resp: 68022
Ion Ratio Lower Upper
106 100
91 209.5 105.1 315.3

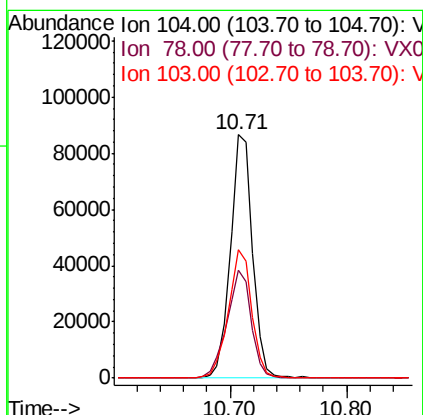
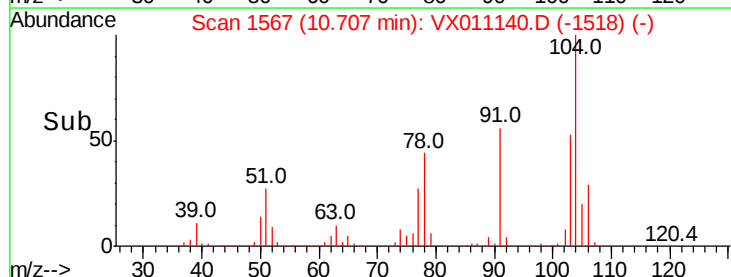
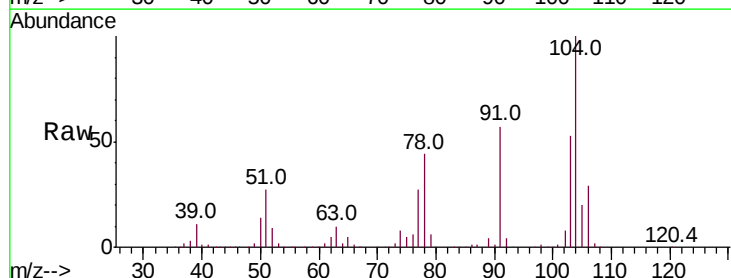
Manual Integrations
APPROVED

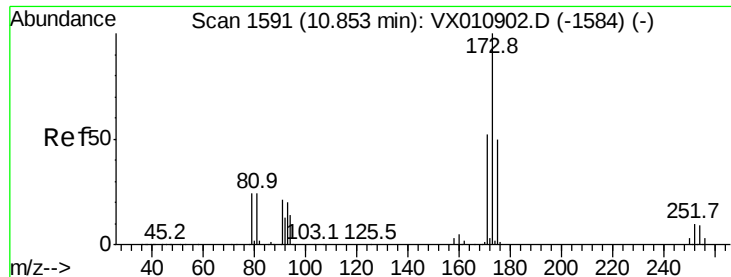
MMDadoda
7/30/2019 11:09:06 AM



#70
Styrene
Concen: 19.877 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion:104 Resp: 114533
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 55.7 44.2 66.4





#71

Bromoform

Concen: 18.599 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion:173 Resp: 29357

Ion Ratio Lower Upper

173 100

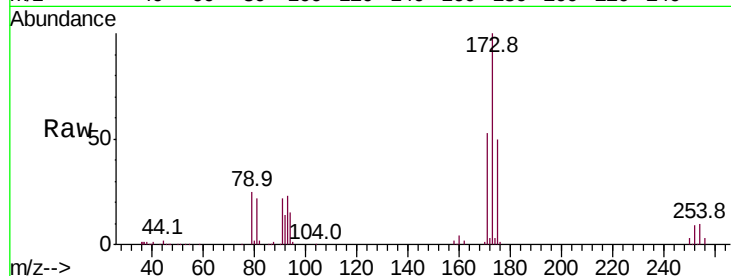
175 48.0 24.6 73.6

254 0.0 0.1 0.1#

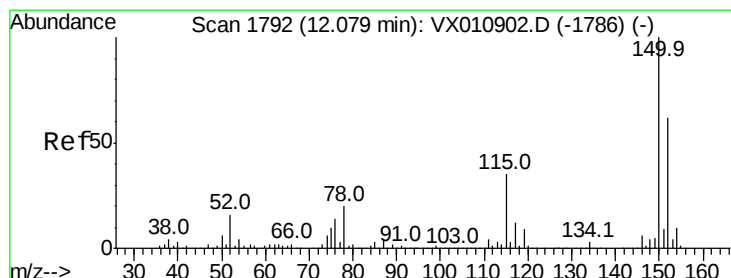
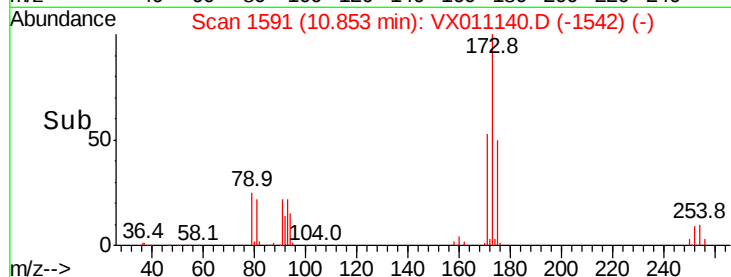
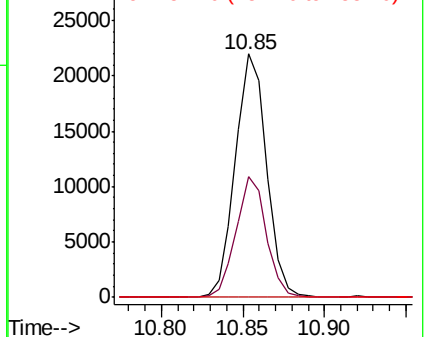
Manual Integrations
APPROVED

MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

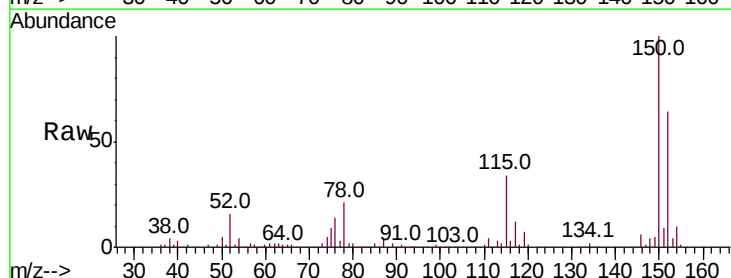
Tgt Ion:152 Resp: 140278

Ion Ratio Lower Upper

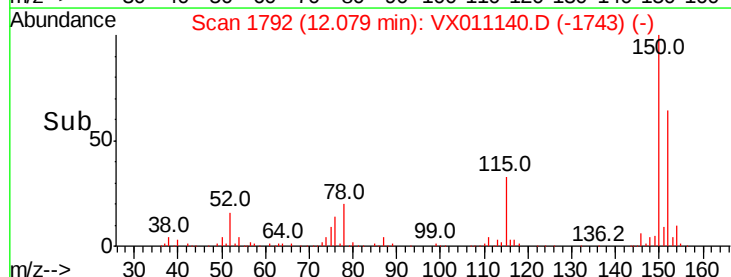
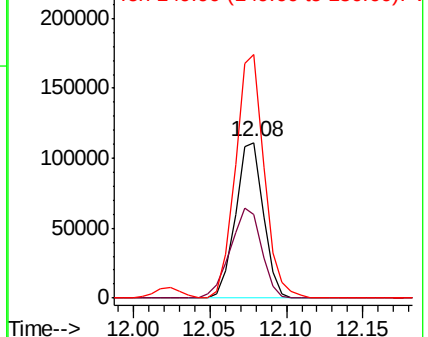
152 100

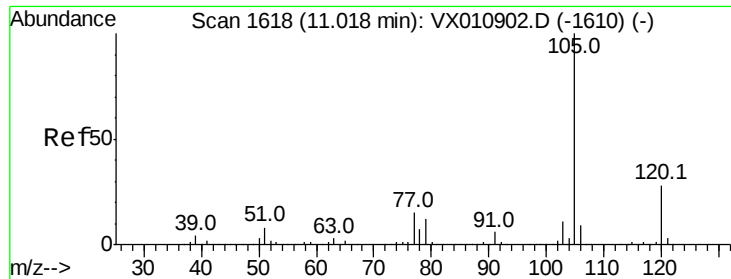
115 64.6 39.7 119.1

150 161.5 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.441 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 105 Resp: 184273

Ion Ratio Lower Upper

105 100

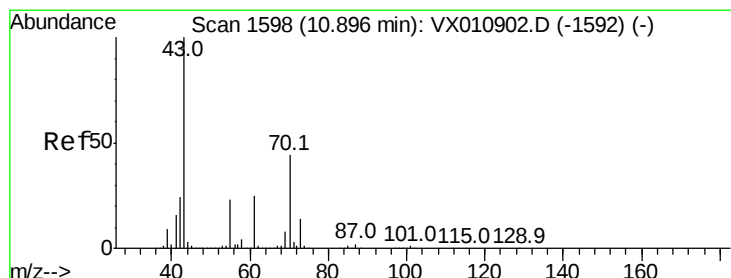
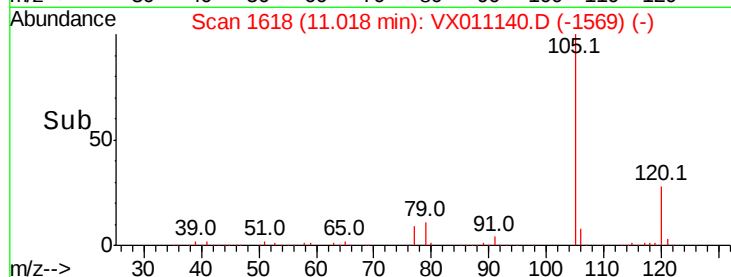
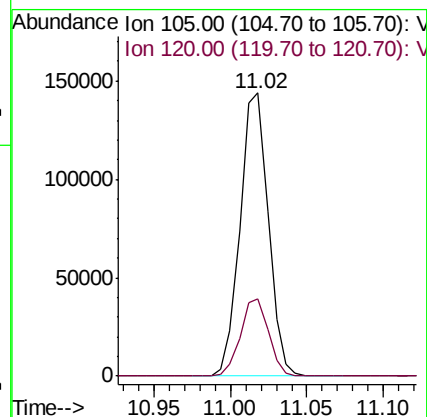
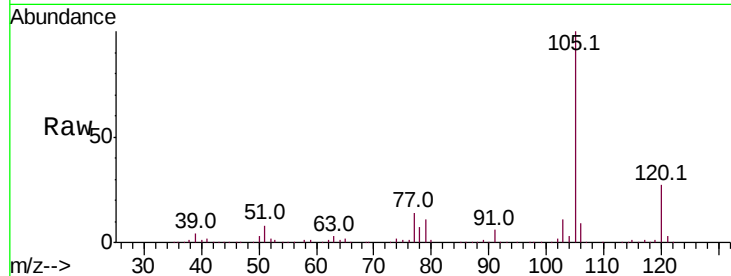
120 27.2 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#74

N-ethyl acetate

Concen: 19.220 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion: 43 Resp: 69607

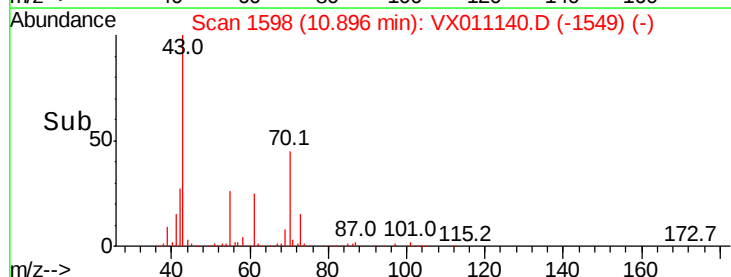
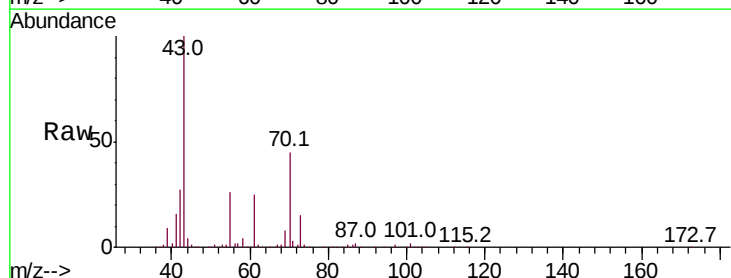
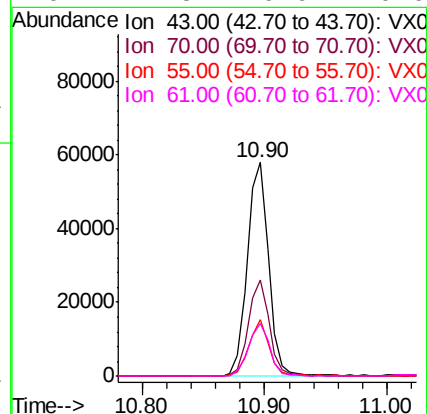
Ion Ratio Lower Upper

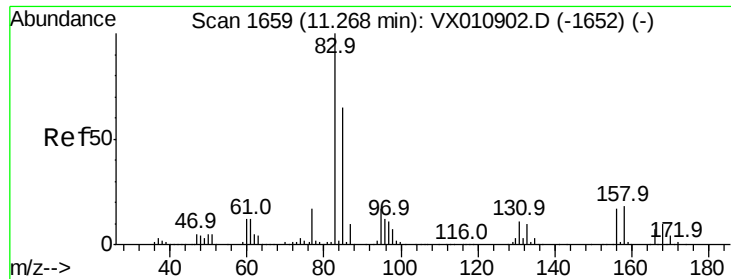
43 100

70 44.1 34.7 52.1

55 25.4 19.1 28.7

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.296 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

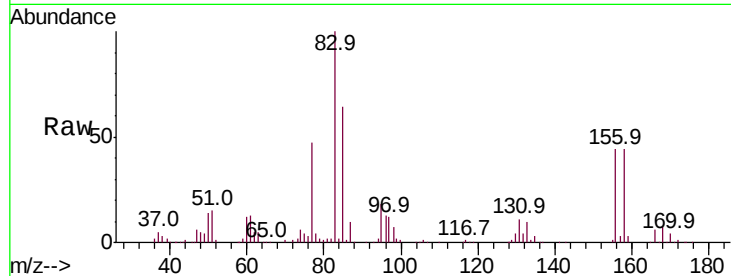
ClientSampleId :

VX0729WBSD01

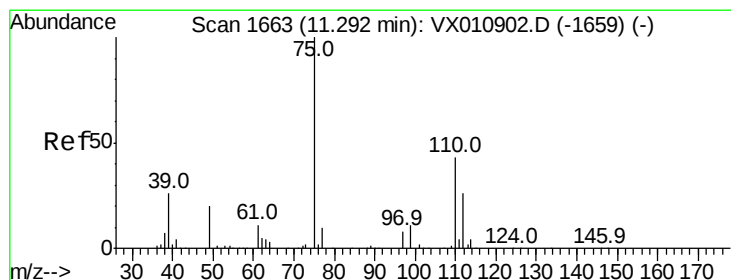
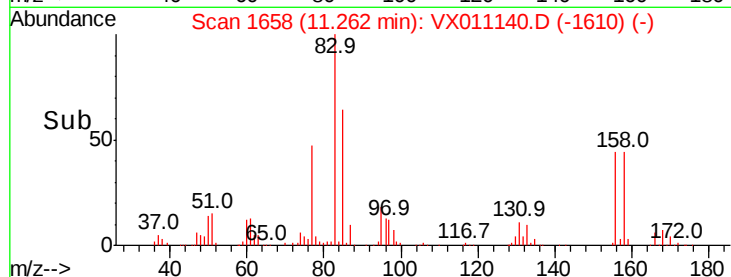
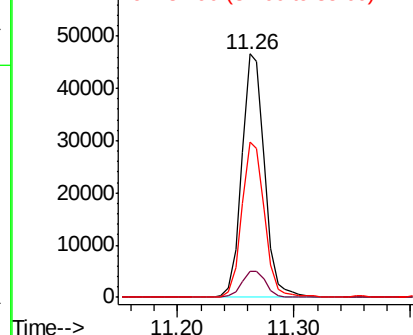
Tot Ion:	83	Resp:	62956
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.9	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.870 ug/l m

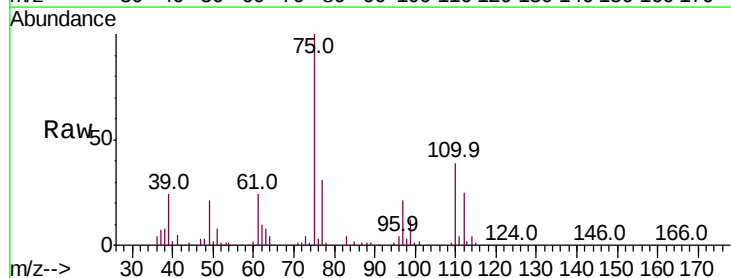
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

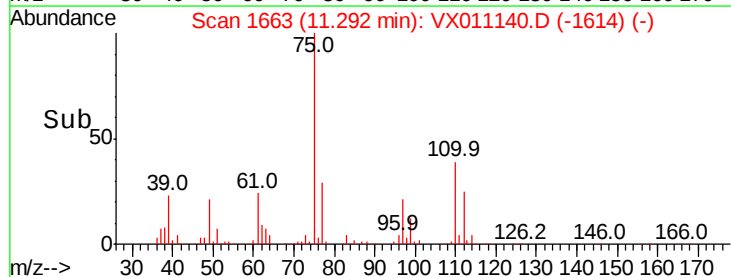
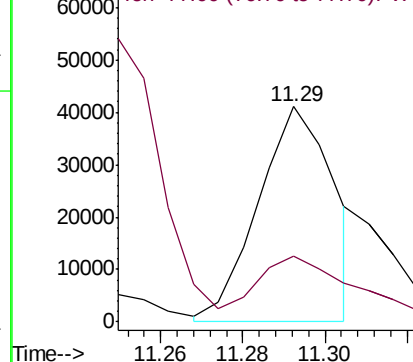
Lab File: VX011140.D

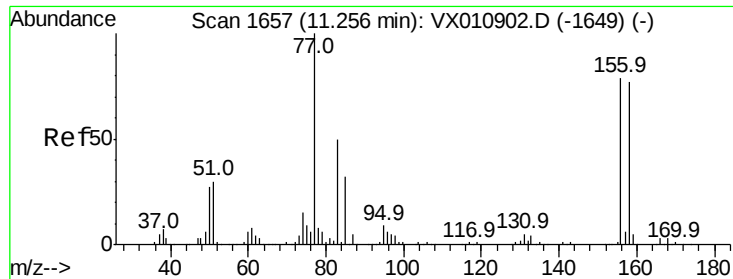
Acq: 29 Jul 2019 13:05

Tgt Ion:	75	Resp:	52830
Ion Ratio	Lower	Upper	
75	100		
77	40.3	21.3	64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.479 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

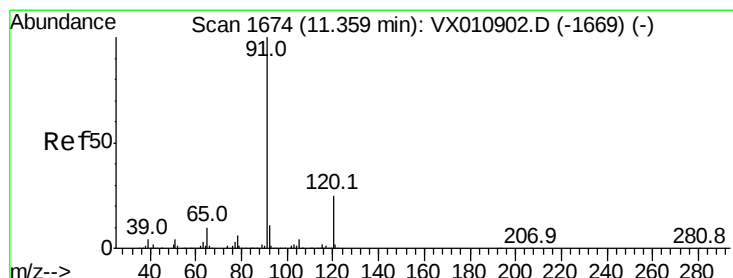
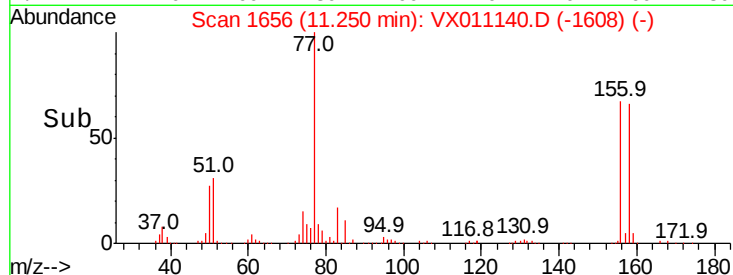
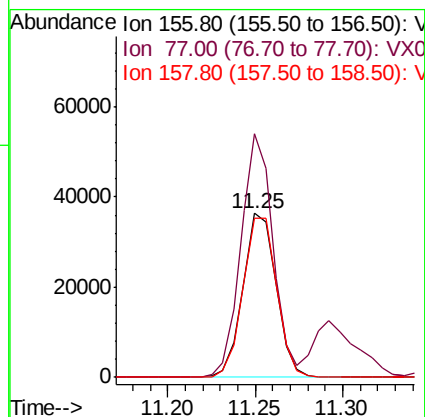
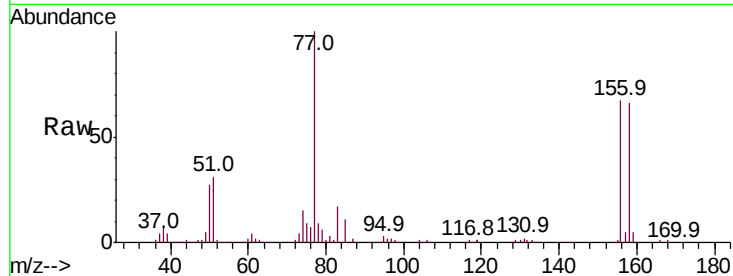
ClientSampleId :

VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.5	68.7	206.1
158	99.5	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#78

n-propylbenzene

Concen: 19.393 ug/l

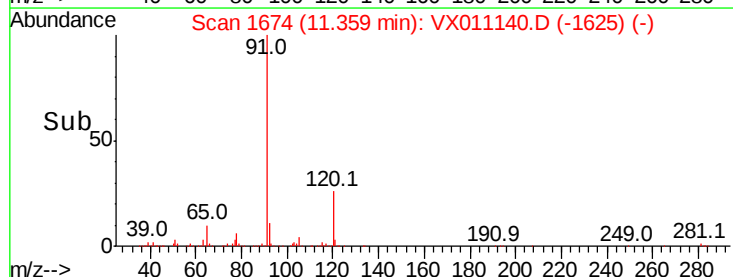
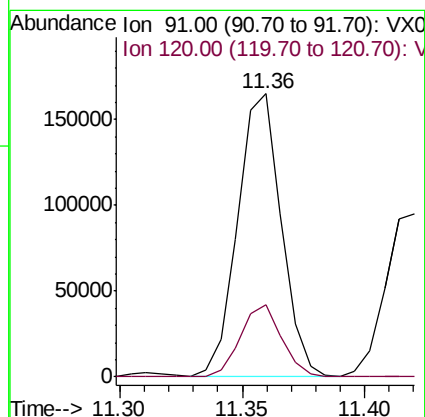
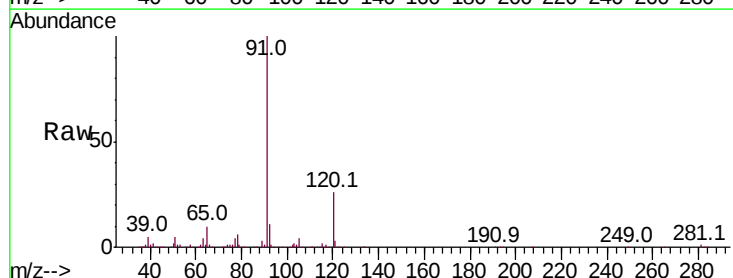
RT: 11.36 min Scan# 1674

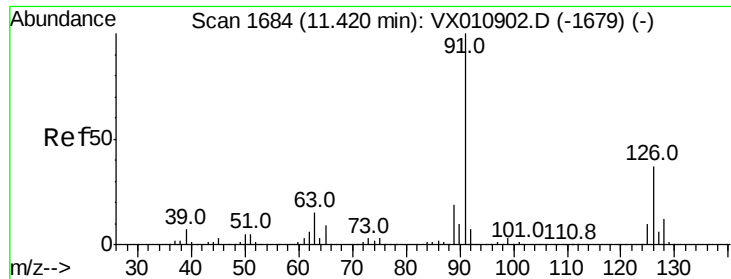
Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





#79

2-Chlorotoluene

Concen: 19.488 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampled :

VX0729WBSD01

Tot Ion: 91 Resp: 122604

Ion Ratio Lower Upper

91 100

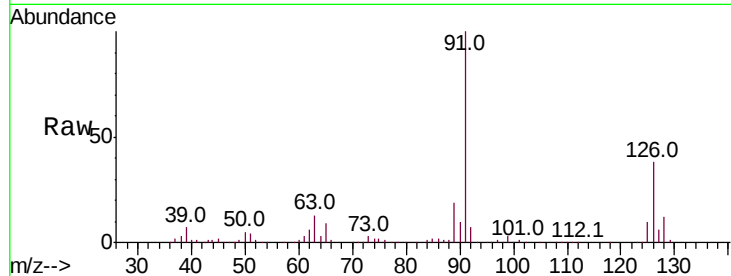
126 36.3 18.0 54.0

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

150000

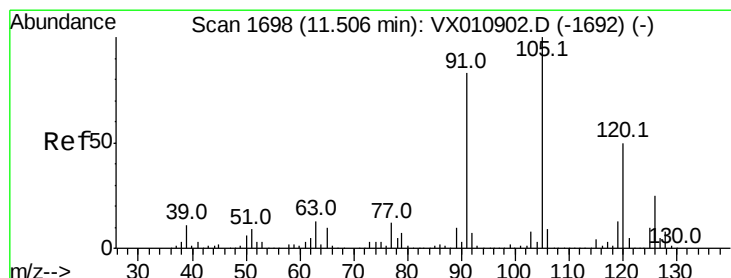
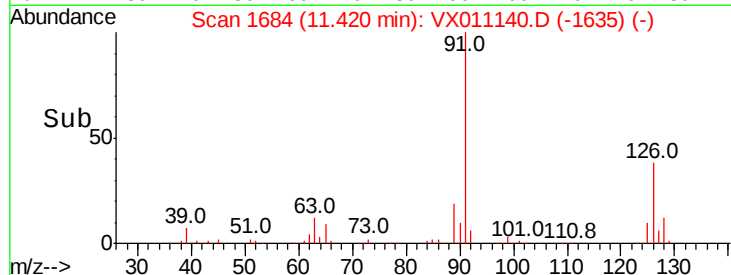
100000

50000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011140.D

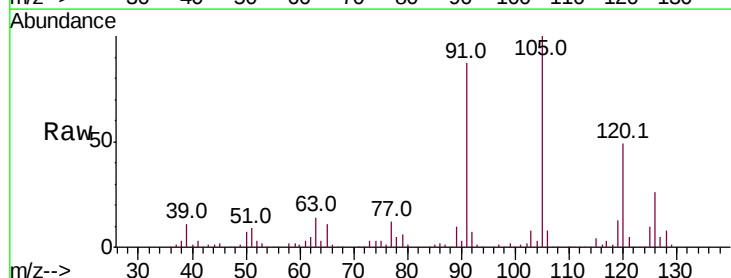
Acq: 29 Jul 2019 13:05

Tgt Ion:105 Resp: 156187

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

150000

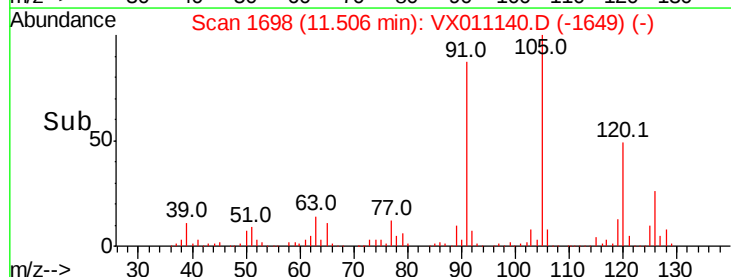
100000

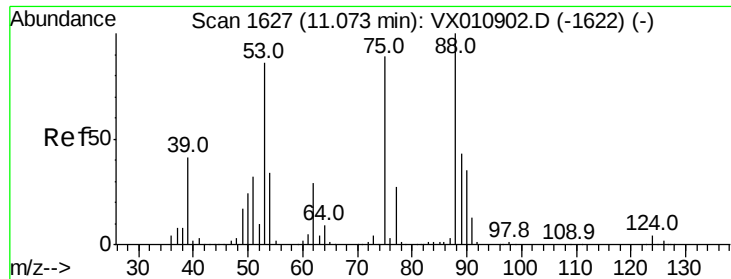
50000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.662 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion: 75 Resp: 15938

Ion Ratio Lower Upper

75 100

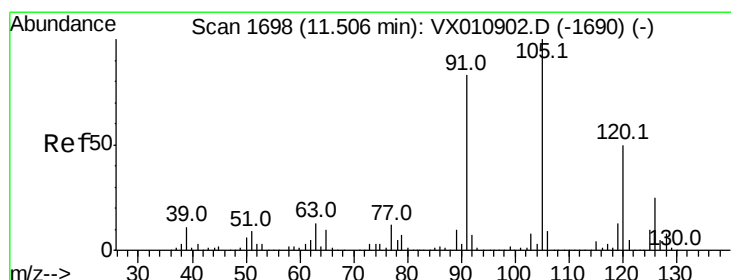
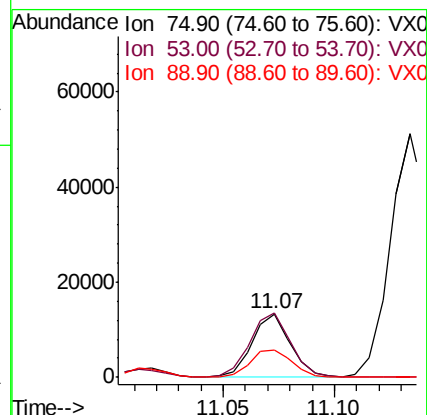
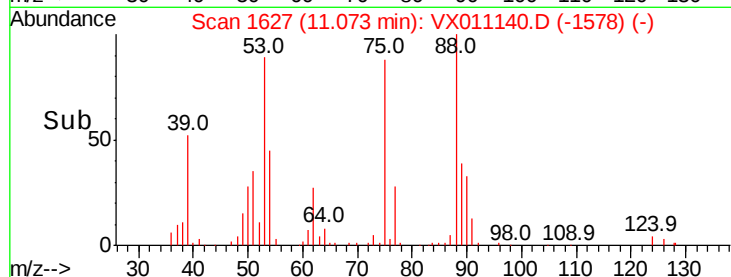
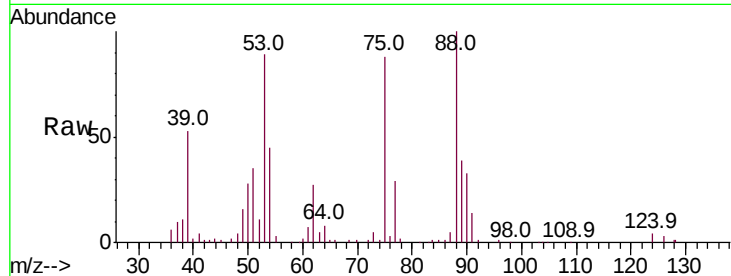
53 108.5 76.7 115.1

89 48.7 38.5 57.7

Manual Integrations
APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#82

4-Chlorotoluene

Concen: 19.206 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011140.D

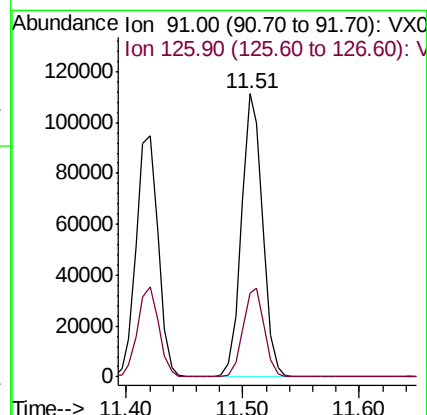
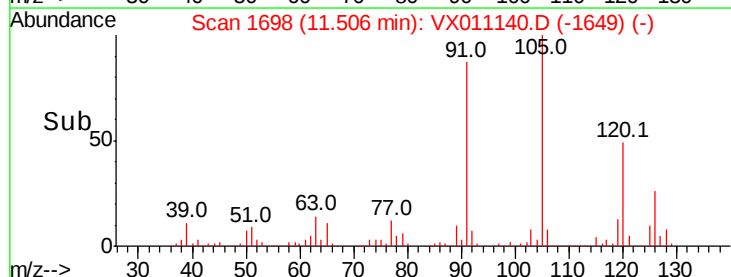
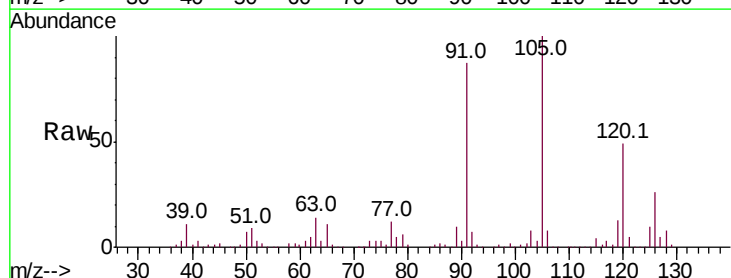
Acq: 29 Jul 2019 13:05

Tgt Ion: 91 Resp: 140639

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7





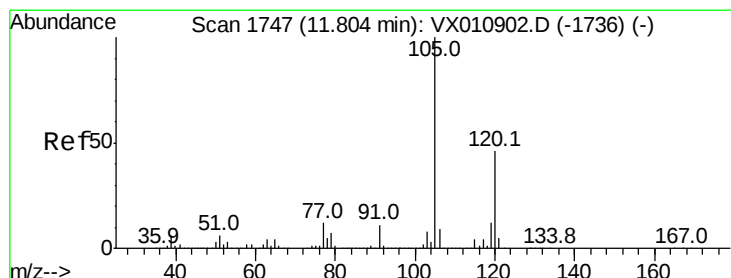
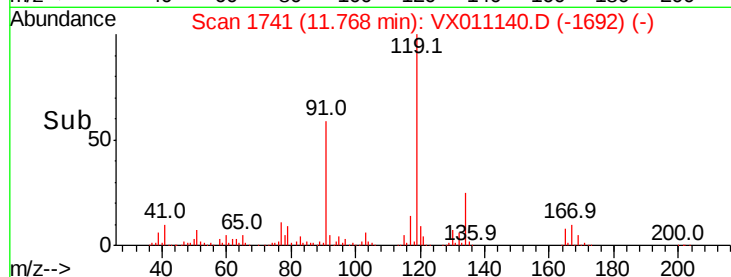
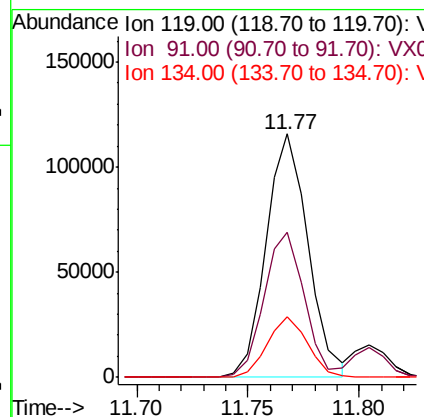
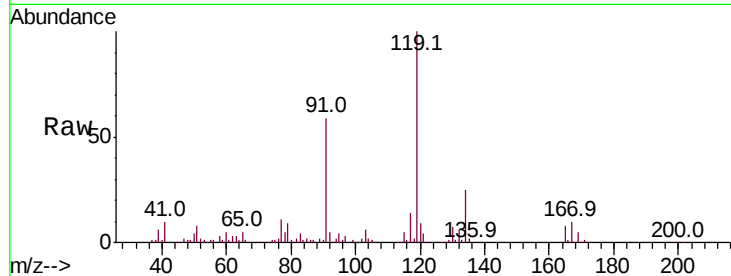
#83
tert-Butylbenzene
Concen: 19.477 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	57.8	28.6	85.8	
134	23.8	11.6	34.8	

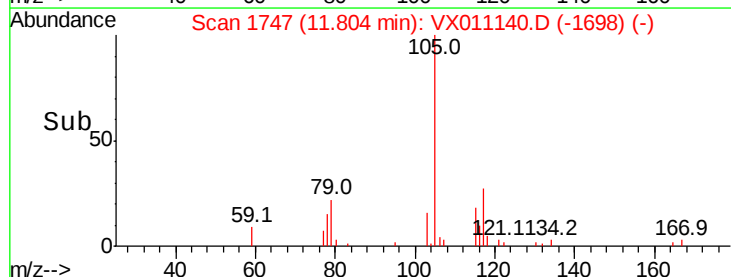
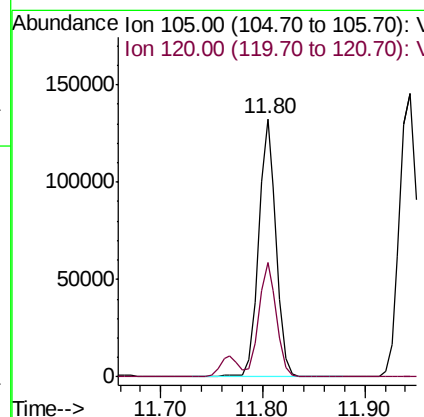
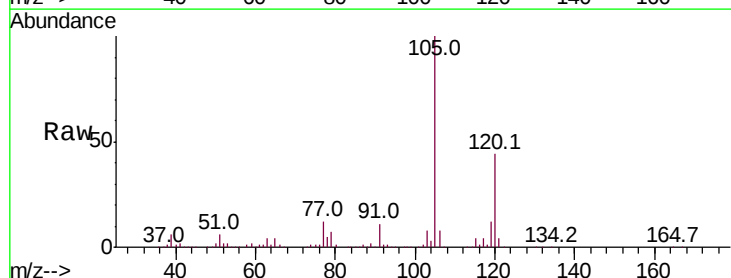
Manual Integrations
APPROVED

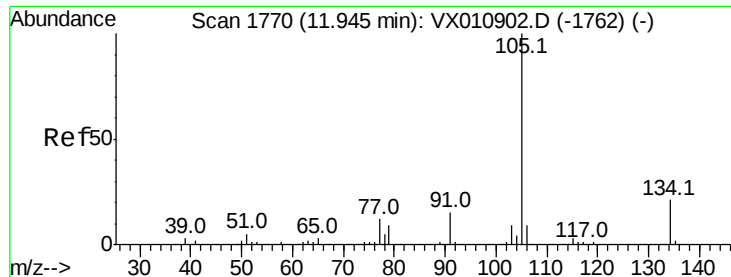
MMDadoda
7/30/2019 11:09:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.849 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.0	22.9	68.5	





#85

sec-Butylbenzene

Concen: 19.618 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBSD01

Tot Ion:105 Resp: 178835

Ion Ratio Lower Upper

105 100

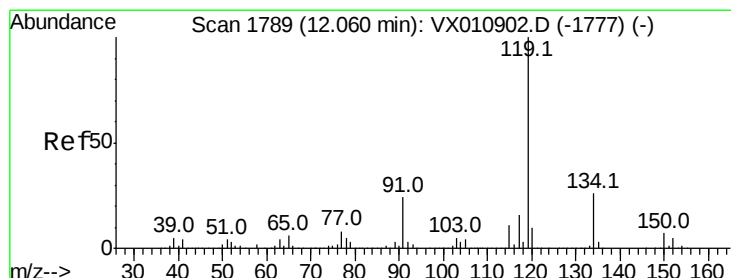
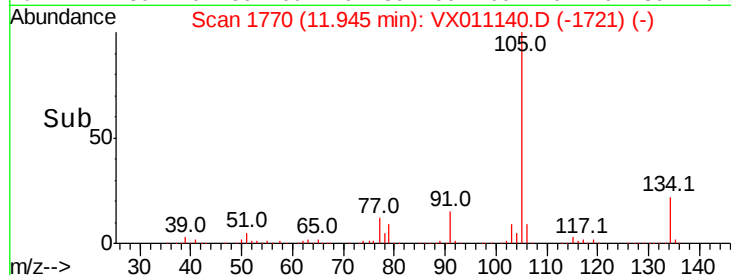
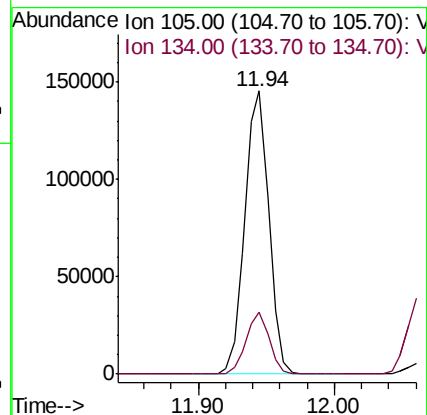
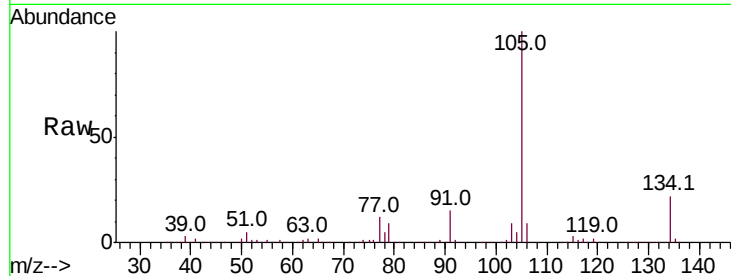
134 21.2 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

7/30/2019 11:09:06 AM



#86

p-Isopropyltoluene

Concen: 19.618 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011140.D

Acq: 29 Jul 2019 13:05

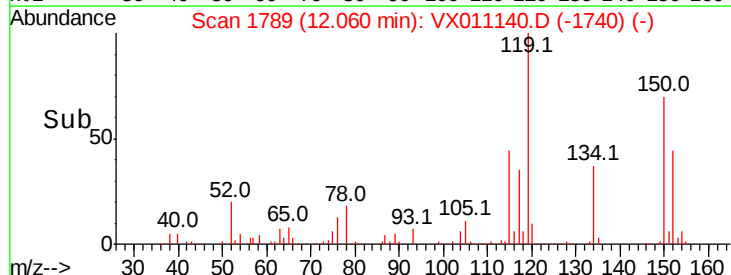
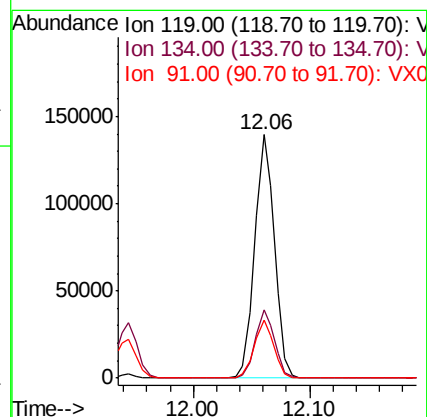
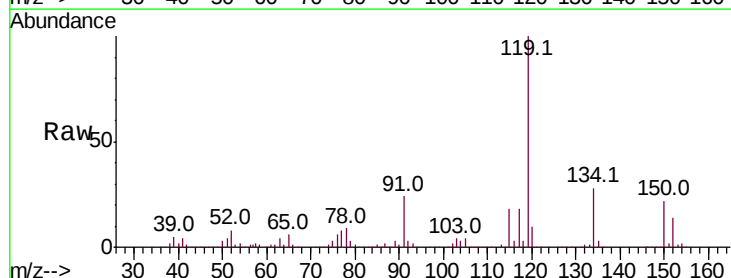
Tgt Ion:119 Resp: 165329

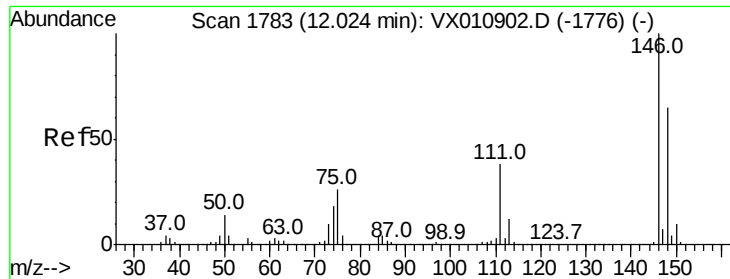
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 23.7 11.8 35.4





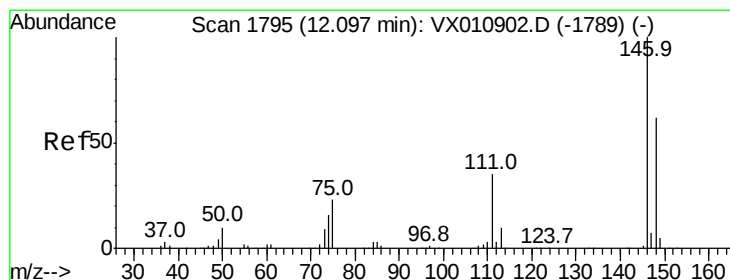
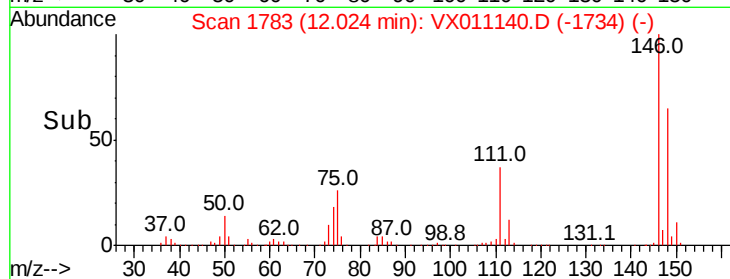
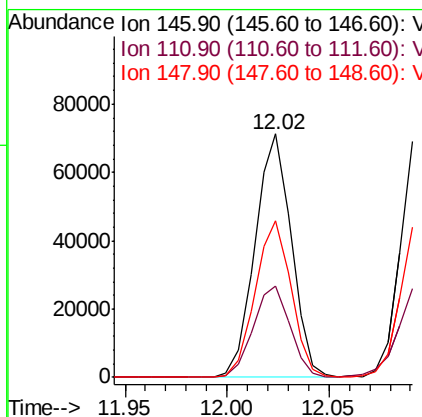
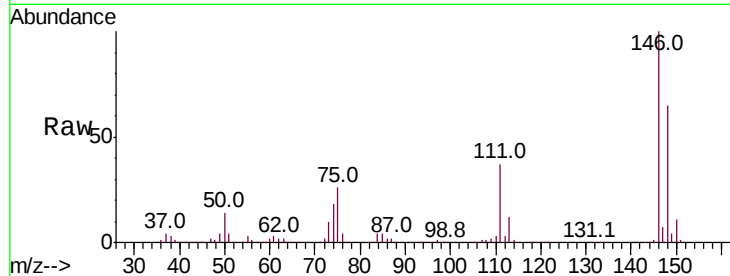
#87
 1,3-Dichlorobenzene
 Concen: 19.496 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	63.9	32.2	96.6

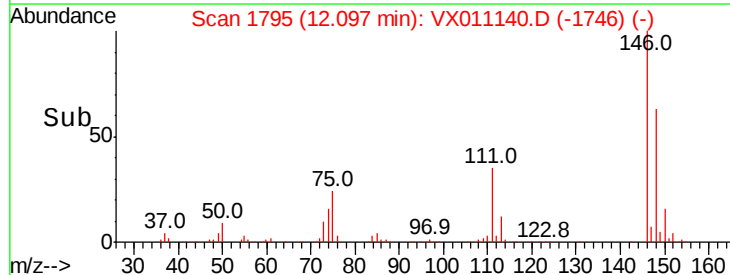
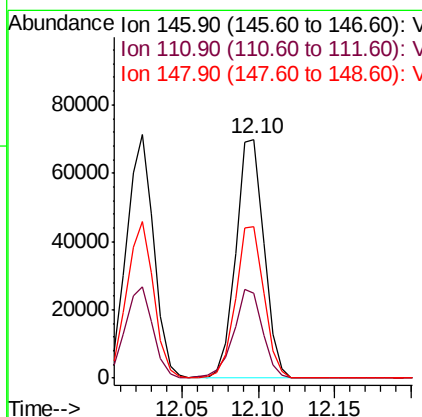
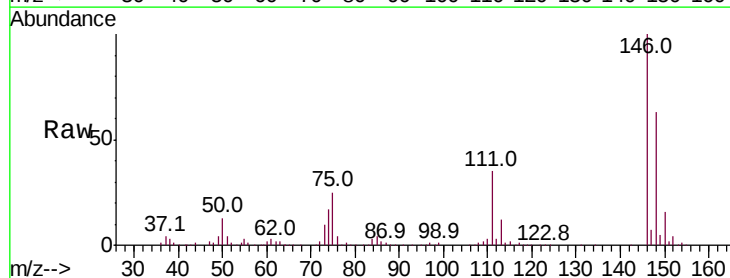
Manual Integrations
 APPROVED

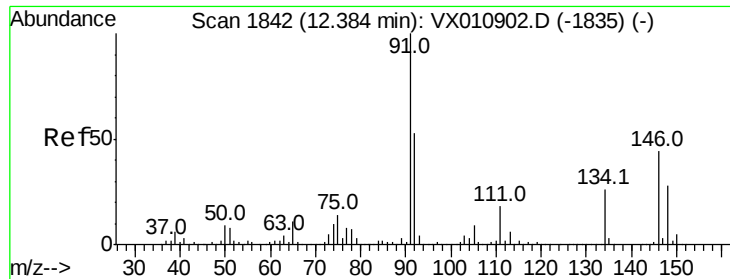
MMDadoda
 7/30/2019 11:09:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.111 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.3	31.6	94.7





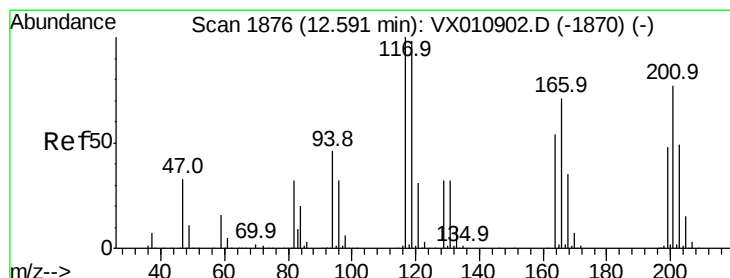
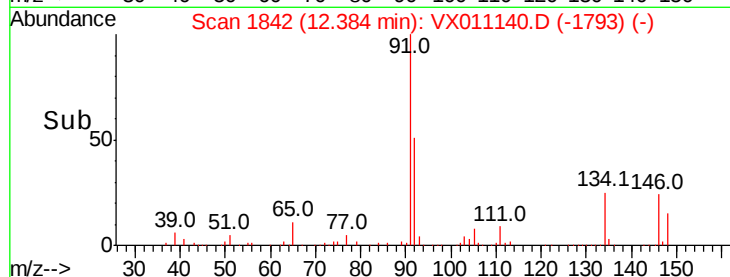
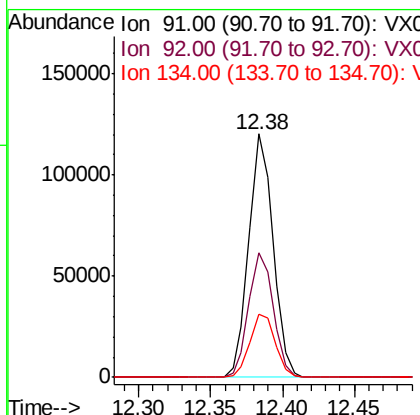
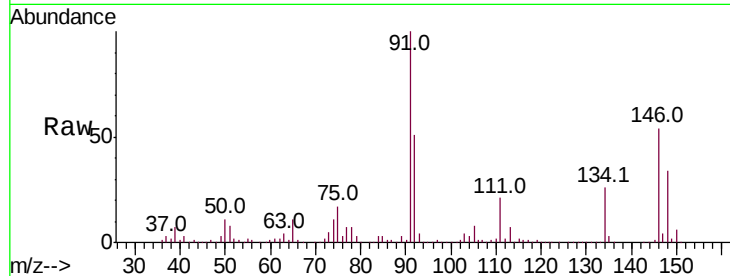
#89
n-Butylbenzene
Concen: 19.523 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	140761		
92	52.1	26.2	78.5	
134	27.0	13.8	41.3	

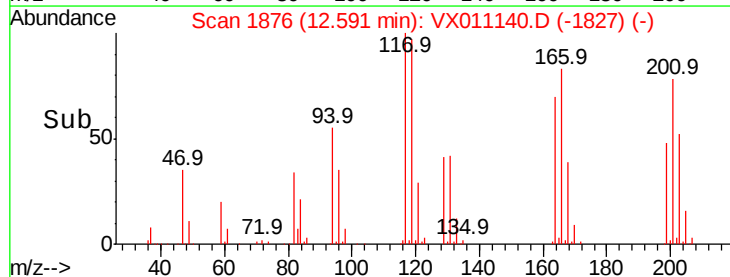
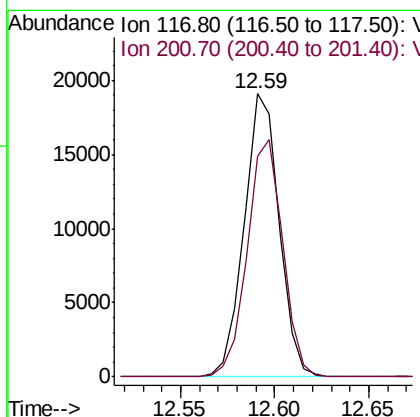
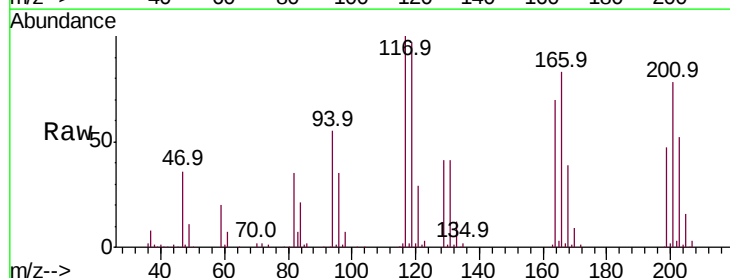
Manual Integrations
APPROVED

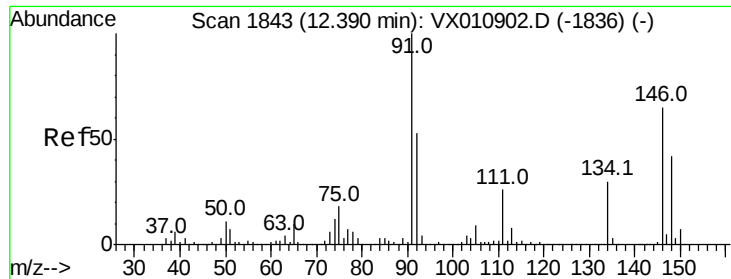
MMDadoda
7/30/2019 11:09:06 AM



#90
Hexachloroethane
Concen: 18.493 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24581		
201	85.0	43.3	129.8	





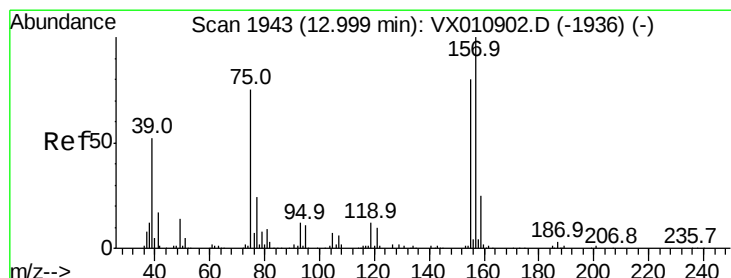
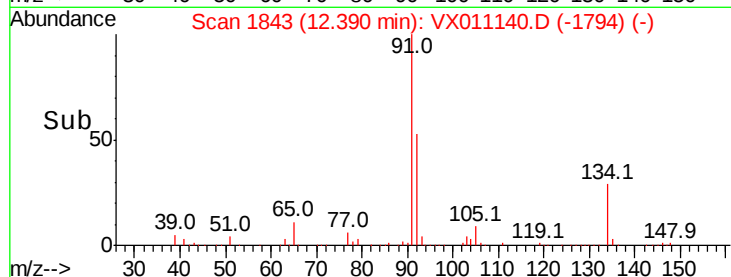
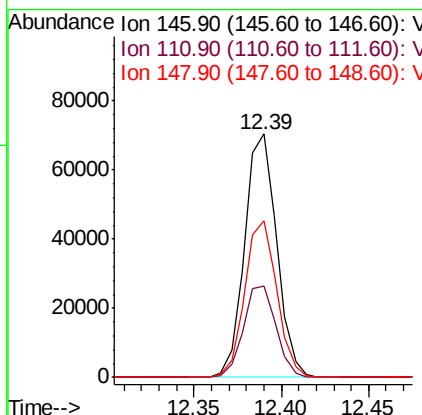
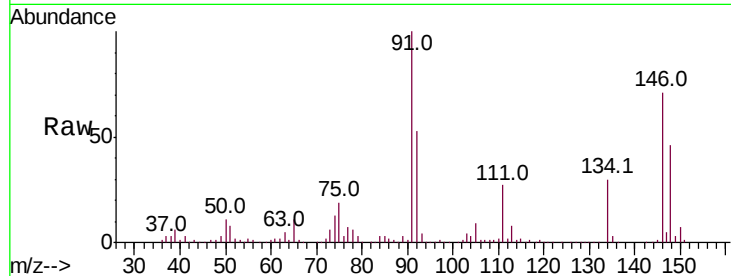
#91
 1,2-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.7
148	64.4	32.0	96.2

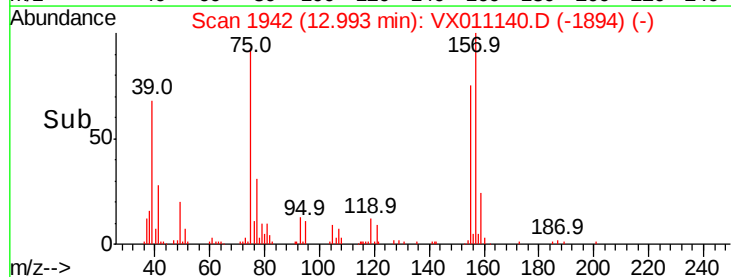
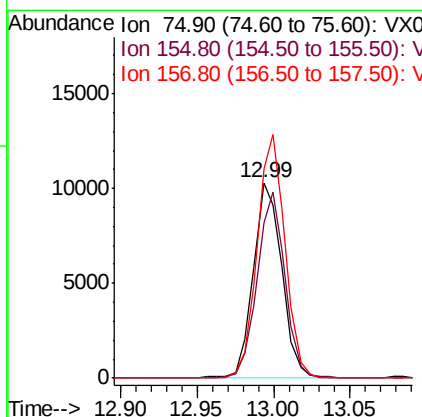
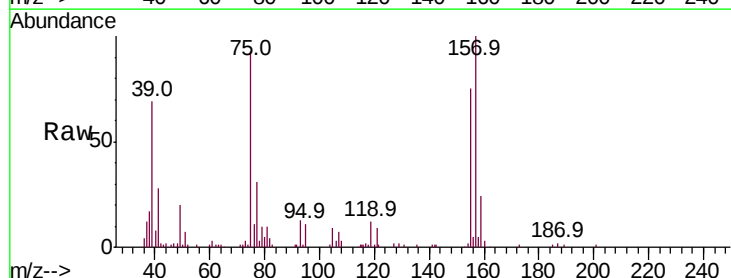
Manual Integrations
 APPROVED

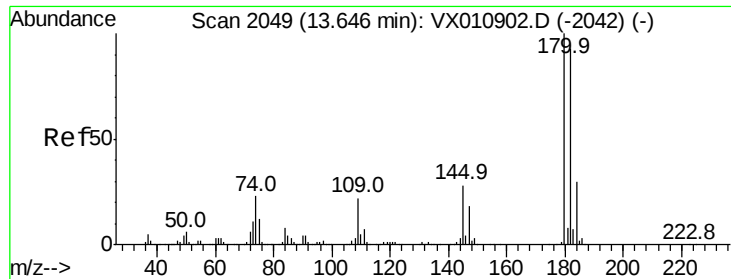
MMDadoda
 7/30/2019 11:09:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.594 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.7	146.1
157	121.0	62.5	187.6





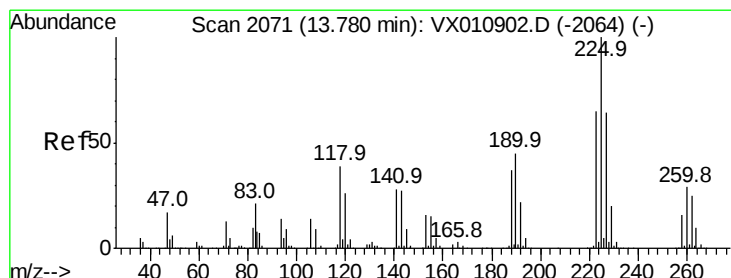
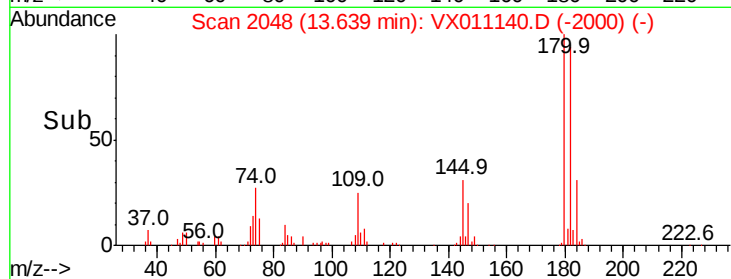
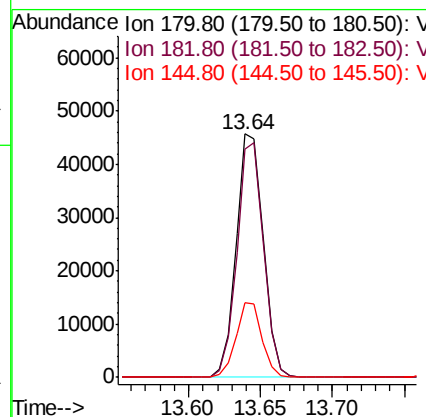
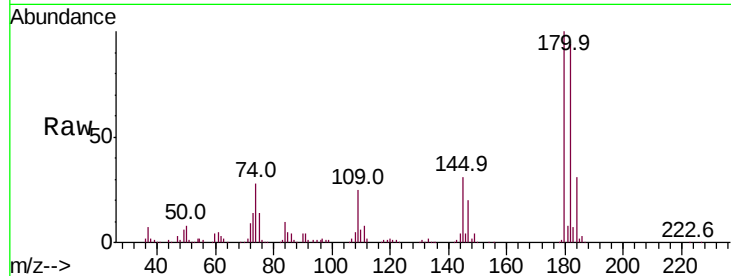
#93
 1,2,4-Trichlorobenzene
 Concen: 19.810 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	29.4	14.8	44.4

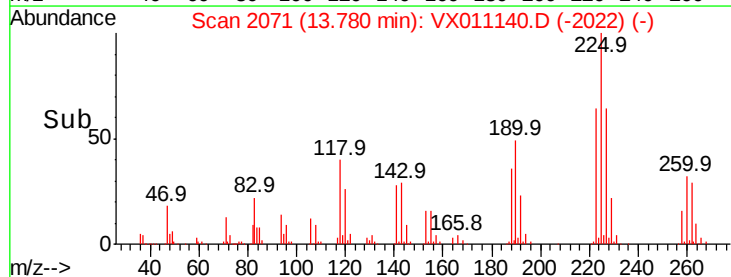
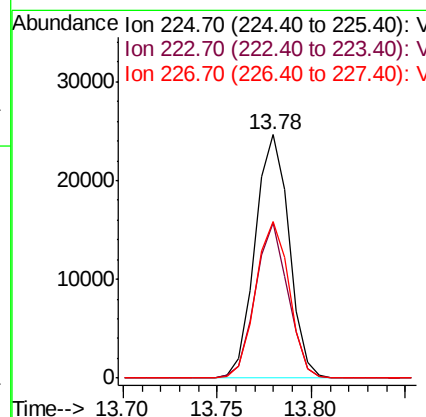
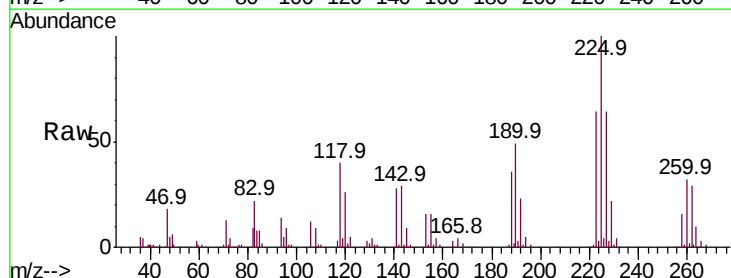
Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:09:06 AM



#94
 Hexachlorobutadiene
 Concen: 20.364 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011140.D
 Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.9	95.9
227	63.8	32.5	97.4





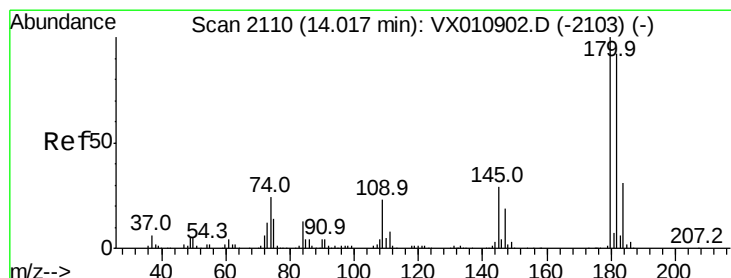
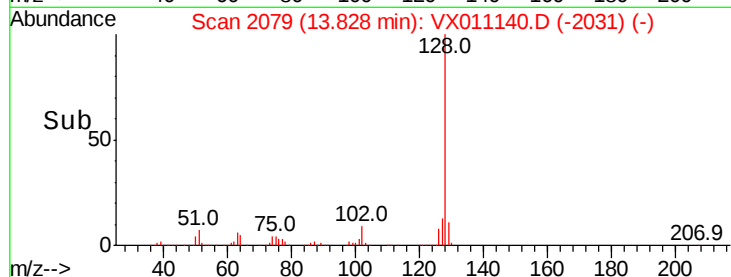
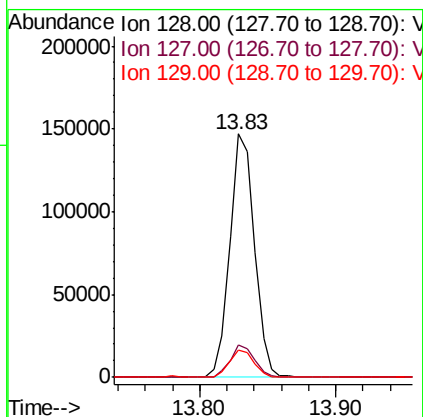
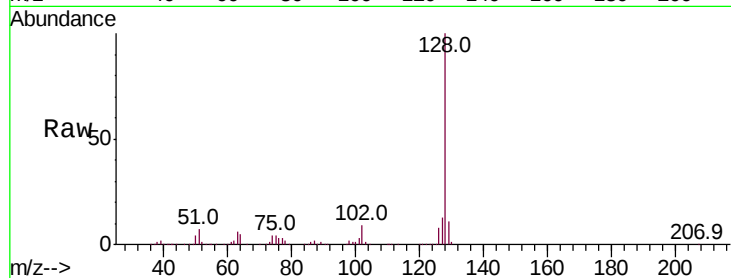
#95
Naphthalene
Concen: 20.541 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	184853		
127	13.0		10.4	15.6
129	11.2		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2019 11:09:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.341 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011140.D
Acq: 29 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61678		
182	94.6		47.4	142.3
145	31.8		15.1	45.3

