

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011318.D
 Acq On : 02 Aug 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:18 PM

Quant Time: Aug 03 07:19:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	152326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77293	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	5.49	113	72282	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	8.71	98	271541	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.13	95	99437	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	54550	46.367	ug/l	98
3) Chloromethane	1.32	50	60030	45.438	ug/l	99
4) Vinyl Chloride	1.40	62	68928	47.431	ug/l	98
5) Bromomethane	1.63	94	38590	37.233	ug/l	97
6) Chloroethane	1.71	64	47714	53.201	ug/l	97
7) Trichlorofluoromethane	1.92	101	125731	48.658	ug/l	98
8) Diethyl Ether	2.18	74	44477	48.205	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65611	46.928	ug/l	99
10) Methyl Iodide	2.50	142	58606	33.248	ug/l	99
11) Tert butyl alcohol	3.04	59	79895	261.186	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66427	47.930	ug/l	94
13) Acrolein	2.29	56	39906	209.854	ug/l	98
14) Allyl chloride	2.72	41	94317	51.048	ug/l	99
15) Acrylonitrile	3.14	53	189318	259.353	ug/l	98
16) Acetone	2.43	43	154666	211.826	ug/l	100
17) Carbon Disulfide	2.56	76	158063	48.601	ug/l	99
18) Methyl Acetate	2.76	43	85437	51.202	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	209034	51.181	ug/l	97
20) Methylene Chloride	2.85	84	76667	47.945	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	72262	49.290	ug/l	96
22) Diisopropyl ether	3.85	45	206492	50.851	ug/l	97
23) Vinyl Acetate	3.81	43	908557	269.760	ug/l	98
24) 1,1-Dichloroethane	3.69	63	118903	49.657	ug/l	100
25) 2-Butanone	4.67	43	259693	250.030	ug/l	99
26) 2,2-Dichloropropane	4.58	77	82046	44.079	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	82211	48.684	ug/l	99
28) Bromochloromethane	5.01	49	53554	49.060	ug/l	99
29) Tetrahydrofuran	5.12	42	167185	262.520	ug/l	99
30) Chloroform	5.20	83	129908	49.918	ug/l	98
31) Cyclohexane	5.57	56	95770	48.479	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	111529	50.027	ug/l	99
36) 1,1-Dichloropropene	5.79	75	91674	45.539	ug/l	100
37) Ethyl Acetate	4.82	43	98326	48.694	ug/l	100
38) Carbon Tetrachloride	5.78	117	98653	48.710	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011318.D
 Acq On : 02 Aug 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:18 PM

Quant Time: Aug 03 07:19:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105265	44.115	ug/l	98
40) Benzene	6.14	78	289013	48.111	ug/l	99
41) Methacrylonitrile	5.04	41	53684	48.681	ug/l	98
42) 1,2-Dichloroethane	6.19	62	98209	48.347	ug/l	100
43) Isopropyl Acetate	6.44	43	158420	49.072	ug/l	100
44) Trichloroethene	7.21	130	83535	45.942	ug/l	98
45) 1,2-Dichloropropane	7.51	63	73365	47.157	ug/l	96
46) Dibromomethane	7.66	93	53640	47.230	ug/l	98
47) Bromodichloromethane	7.90	83	94882	49.344	ug/l	100
48) Methyl methacrylate	7.77	41	76827	50.567	ug/l	98
49) 1,4-Dioxane	7.74	88	41648	945.561	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	544112	261.160	ug/l	99
52) Toluene	8.78	92	191180	48.135	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	100751	45.275	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	111710	49.734	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	80733	49.438	ug/l	99
56) Ethyl methacrylate	9.18	69	118501	50.921	ug/l	99
57) 1,3-Dichloropropane	9.37	76	126565	49.007	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	271464	237.246	ug/l	100
59) 2-Hexanone	9.49	43	427711	265.040	ug/l	98
60) Dibromochloromethane	9.58	129	86808	51.922	ug/l	97
61) 1,2-Dibromoethane	9.67	107	86531	49.045	ug/l	99
64) Tetrachloroethene	9.34	164	83161	45.394	ug/l	98
65) Chlorobenzene	10.13	112	220204	47.608	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	80016	50.531	ug/l	98
67) Ethyl Benzene	10.25	91	375607	48.488	ug/l	100
68) m/p-Xylenes	10.35	106	291674	97.346	ug/l	98
69) o-Xylene	10.69	106	141888	48.197	ug/l	99
70) Styrene	10.71	104	246067	50.515	ug/l	99
71) Bromoform	10.85	173	63424	45.090	ug/l #	99
73) Isopropylbenzene	11.02	105	383672	47.942	ug/l	100
74) N-amyl acetate	10.90	43	150592	52.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	130673	48.997	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	108048m	50.704	ug/l	
77) Bromobenzene	11.26	156	104951	47.293	ug/l	98
78) n-propylbenzene	11.36	91	427441	48.029	ug/l	99
79) 2-Chlorotoluene	11.42	91	251753	47.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	326954	48.805	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34575	43.930	ug/l	98
82) 4-Chlorotoluene	11.51	91	297384	48.105	ug/l	98
83) tert-Butylbenzene	11.77	119	317626	48.342	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	326689	48.979	ug/l	98
85) sec-Butylbenzene	11.94	105	380324	48.178	ug/l	100
86) p-Isopropyltoluene	12.06	119	350035	48.199	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187972	47.939	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	186052	46.016	ug/l	99
89) n-Butylbenzene	12.38	91	293466	46.904	ug/l	99
90) Hexachloroethane	12.59	117	52660	49.046	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	187748	47.655	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26080	50.474	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
Data File : VX011318.D
Acq On : 02 Aug 2019 20:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

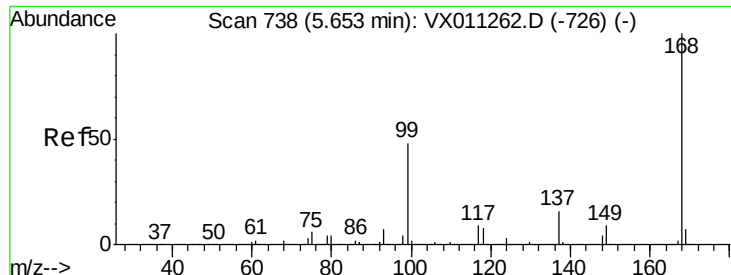
Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM

Quant Time: Aug 03 07:19:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122271	46.797	ug/l	99
94) Hexachlorobutadiene	13.78	225	60813	45.876	ug/l	98
95) Naphthalene	13.83	128	393859	51.547	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	126017	47.442	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 152326

Ion Ratio Lower Upper

168 100

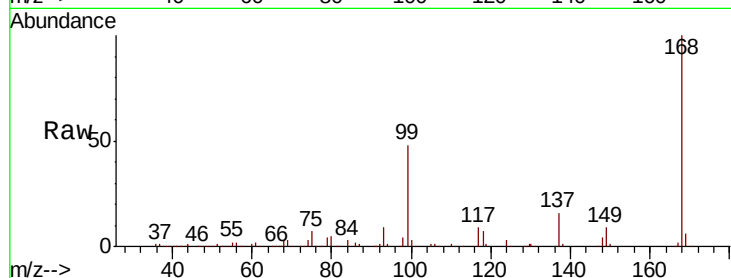
99 48.1 38.5 57.7

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

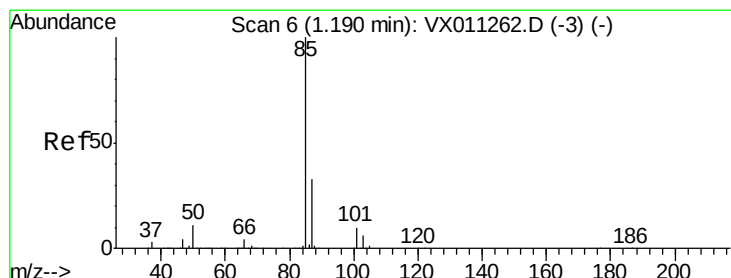
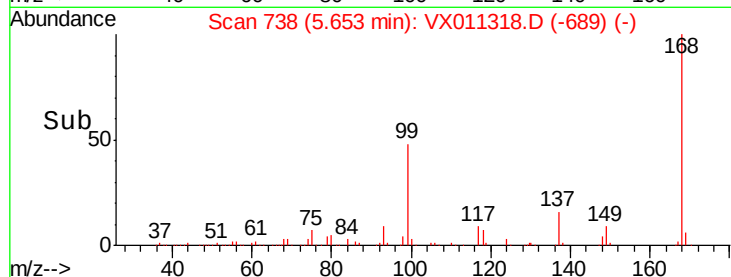
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.367 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011318.D

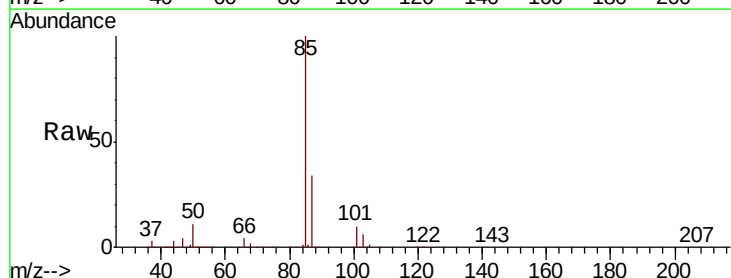
Acq: 02 Aug 2019 20:24

Tgt Ion: 85 Resp: 54550

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

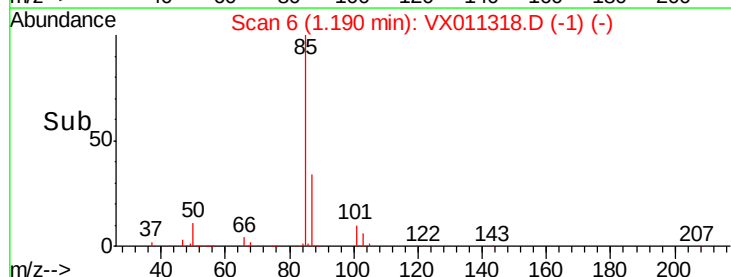
40000

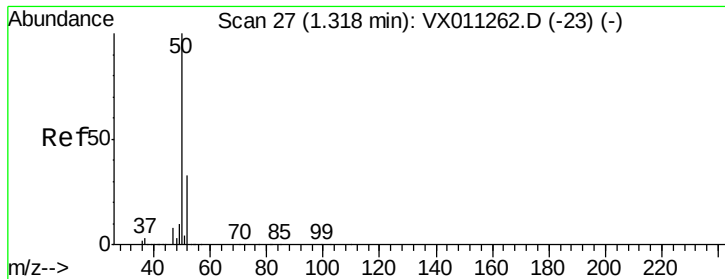
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.438 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 60030

Ion Ratio Lower Upper

50 100

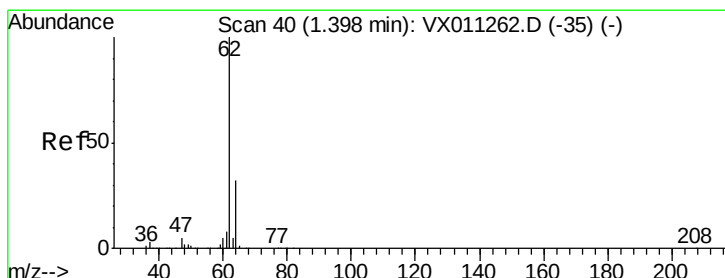
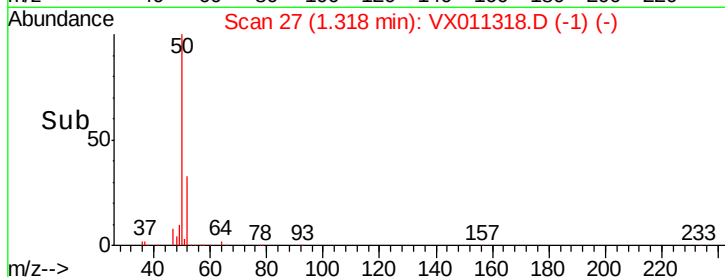
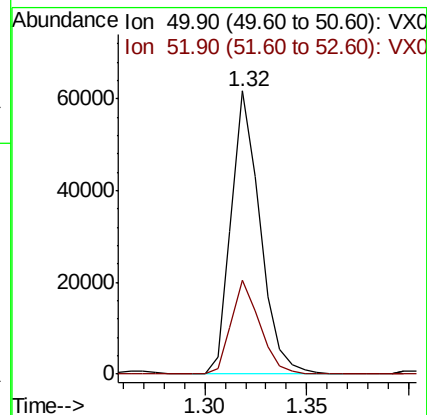
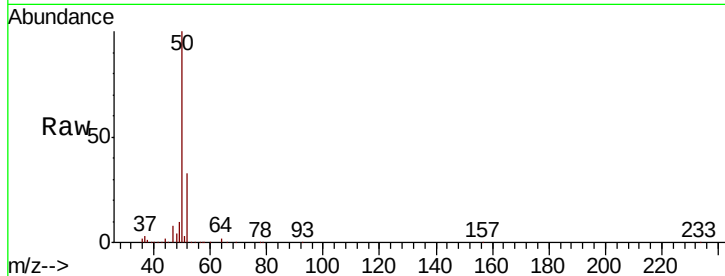
52 33.3 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



#4

Vinyl Chloride

Concen: 47.431 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011318.D

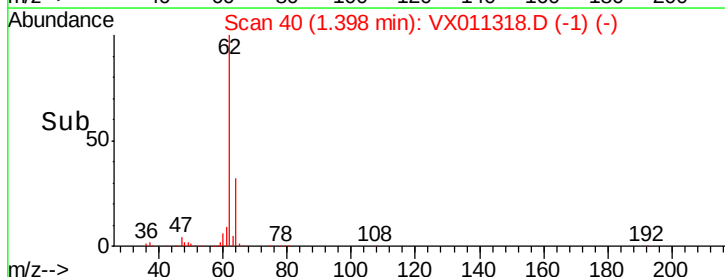
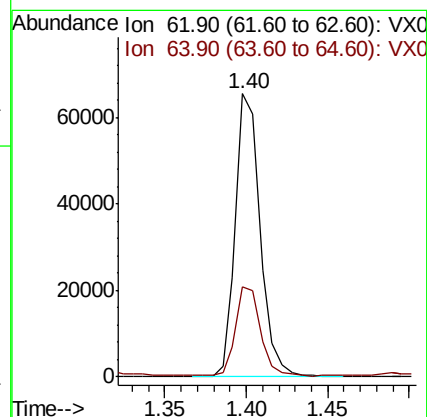
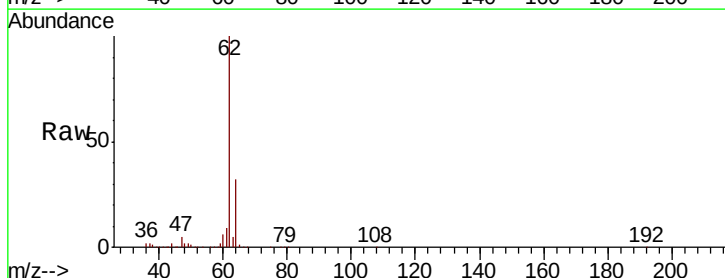
Acq: 02 Aug 2019 20:24

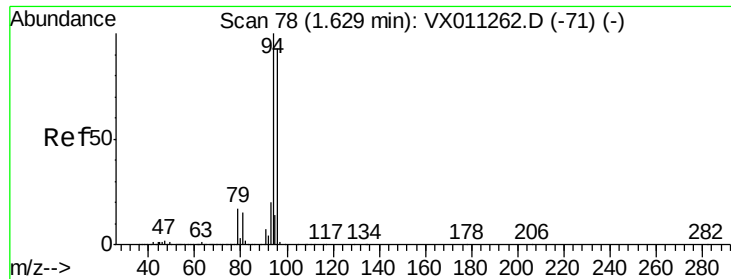
Tgt Ion: 62 Resp: 68928

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0





#5

Bromomethane

Concen: 37.233 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38590

Ion Ratio Lower Upper

94 100

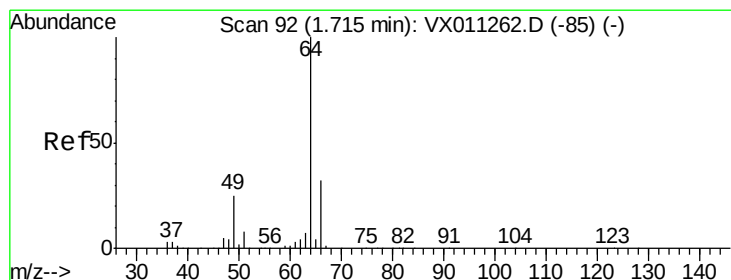
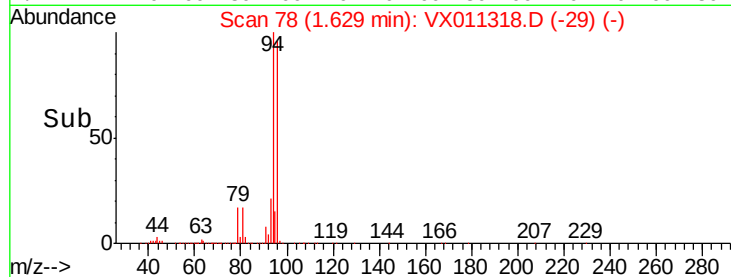
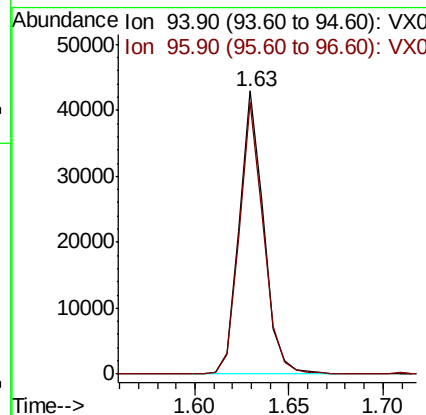
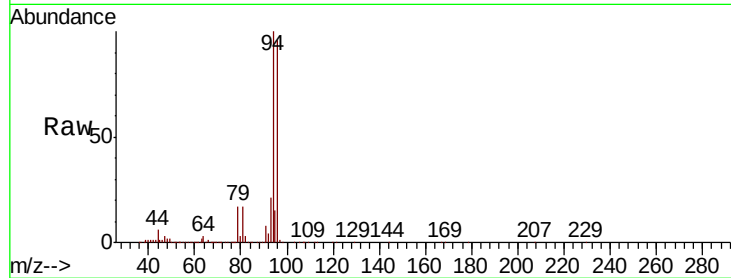
96 96.2 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



#6

Chloroethane

Concen: 53.201 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011318.D

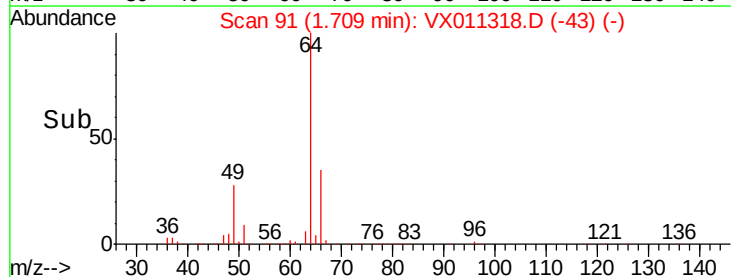
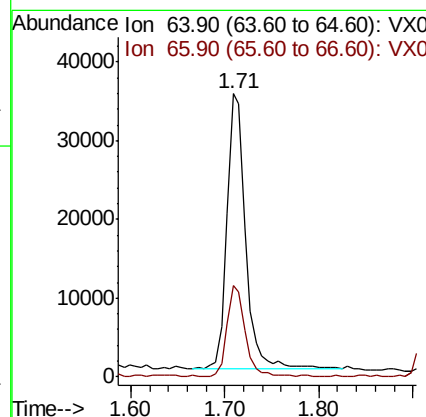
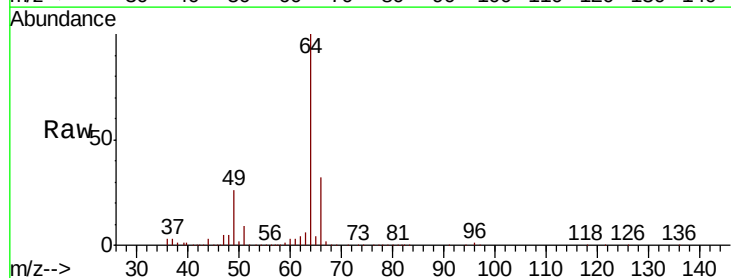
Acq: 02 Aug 2019 20:24

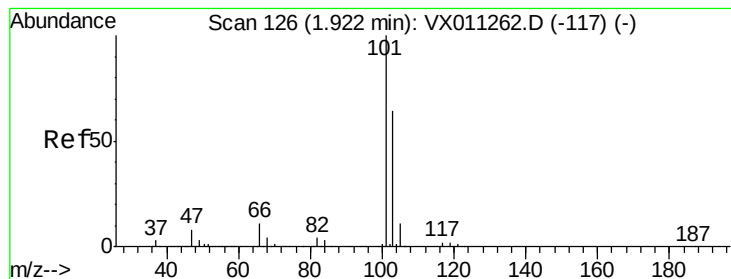
Tgt Ion: 64 Resp: 47714

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7





#7

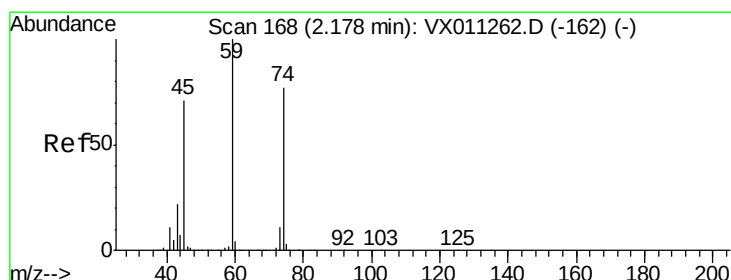
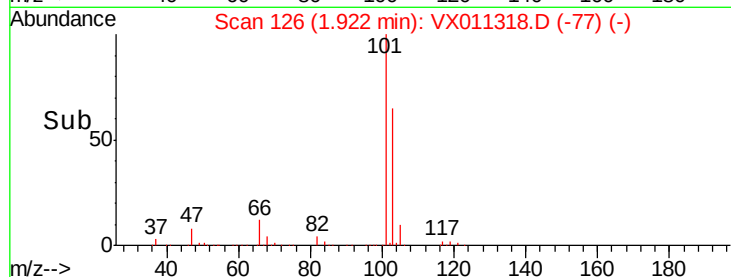
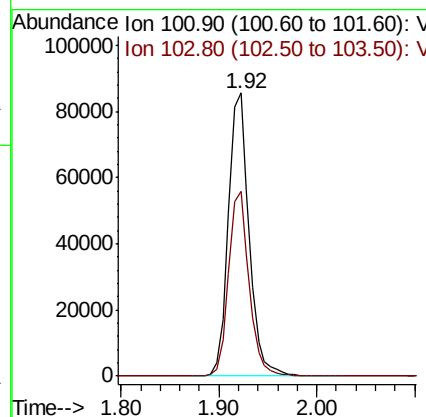
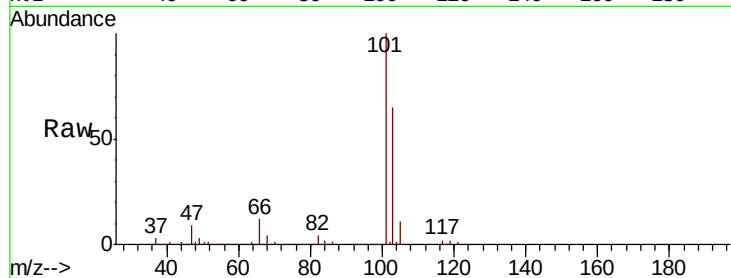
Trichlorofluoromethane
Concen: 48.658 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.9	76.3

Manual Integrations
APPROVED

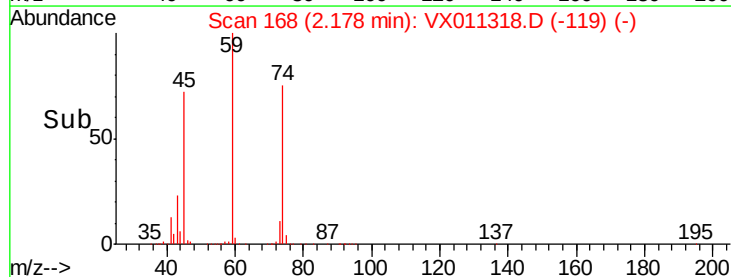
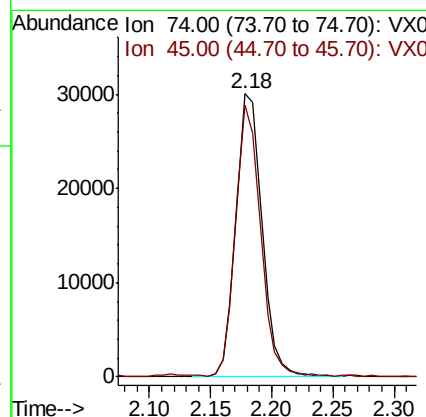
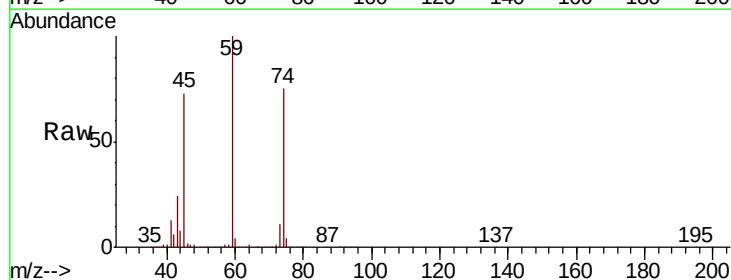
MMDadoda
8/6/2019 12:11:18 PM

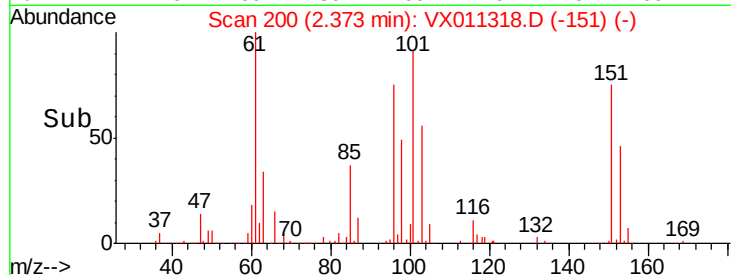
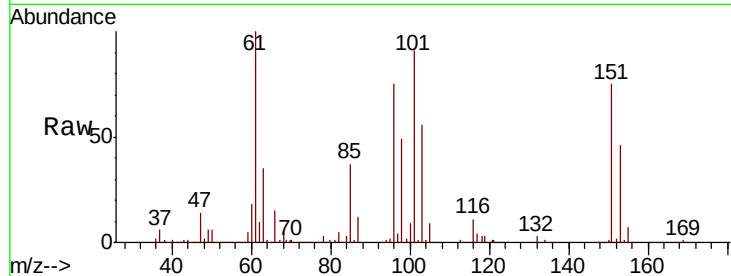
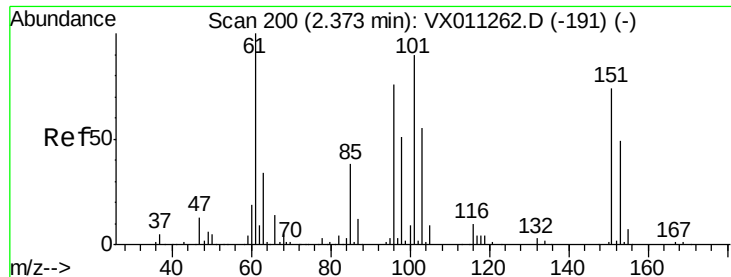


#8

Diethyl Ether
Concen: 48.205 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.1	138.3





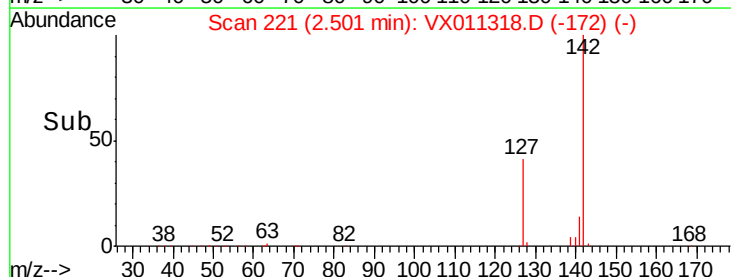
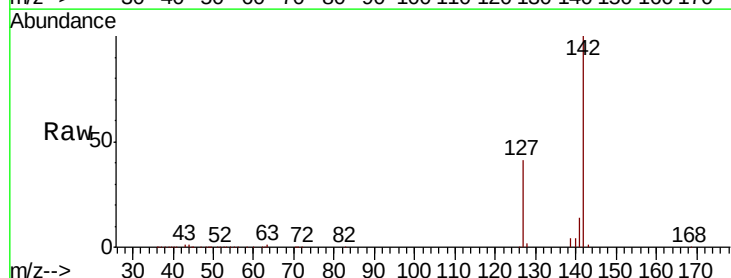
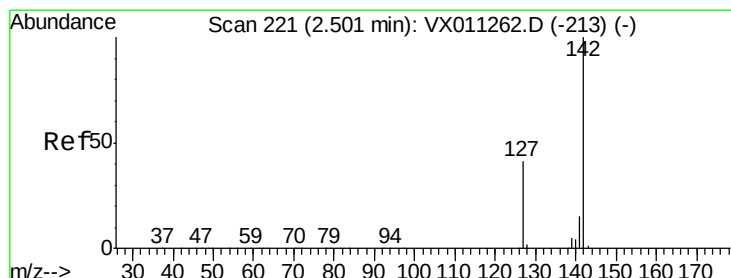
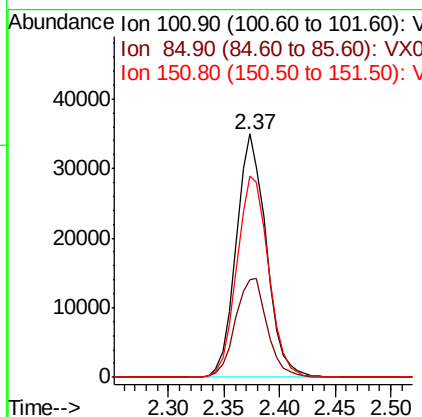
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.928 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	33.8	50.6
151	87.2	69.5	104.3

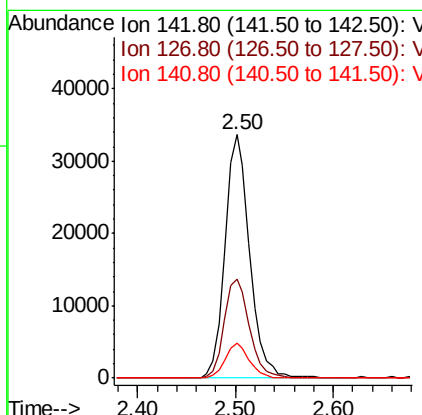
Manual Integrations
APPROVED

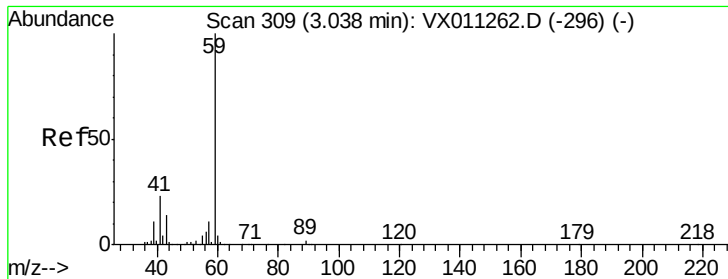
MMDadoda
8/6/2019 12:11:18 PM



#10
Methyl Iodide
Concen: 33.248 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	33.8	50.8
141	13.9	11.4	17.2





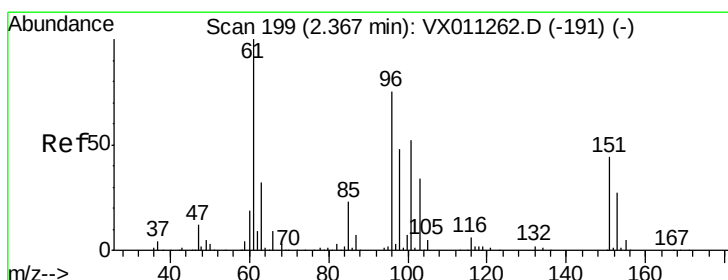
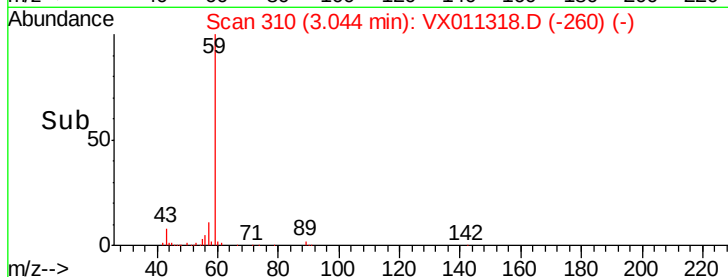
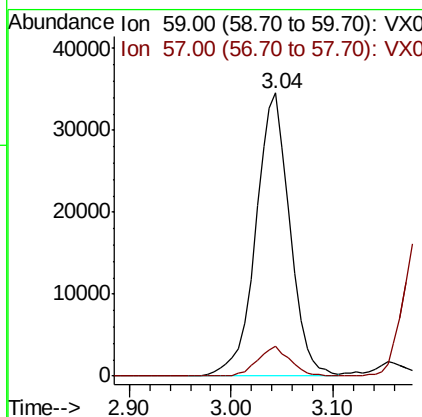
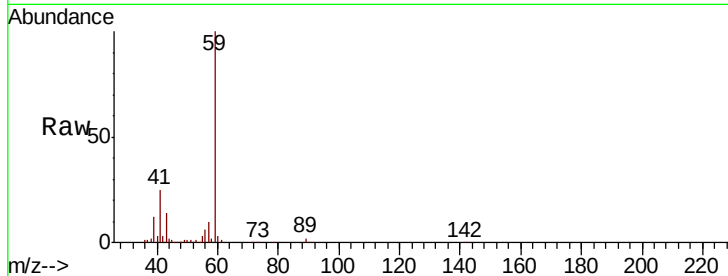
#11
Tert butyl alcohol
Concen: 261.186 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 79895
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

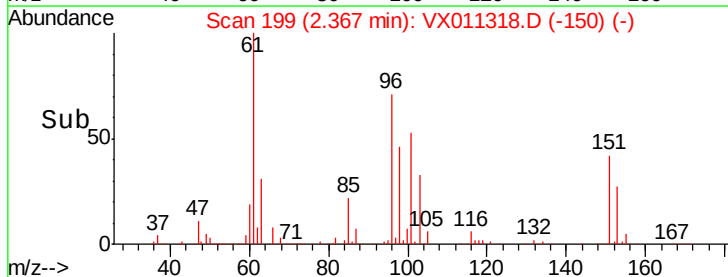
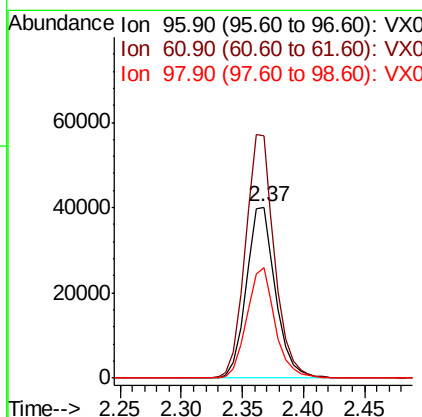
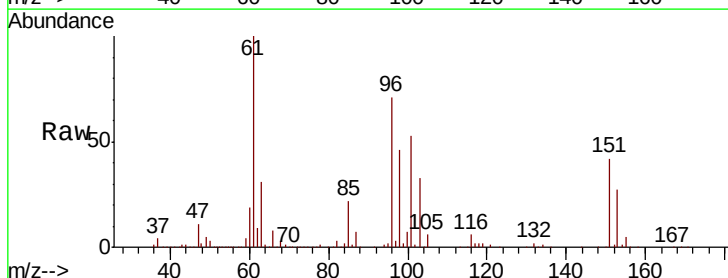
Manual Integrations
APPROVED

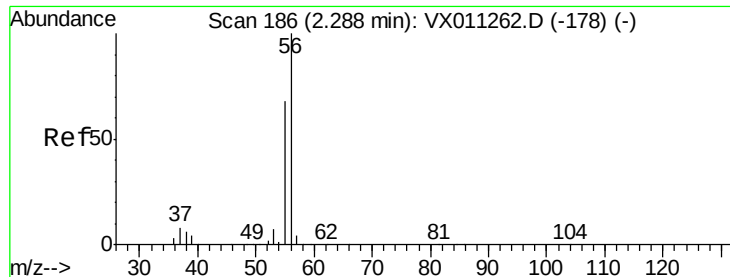
MMDadoda
8/6/2019 12:11:18 PM



#12
1,1-Dichloroethene
Concen: 47.930 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion: 96 Resp: 66427
Ion Ratio Lower Upper
96 100
61 141.5 106.2 159.2
98 64.7 50.6 75.8





#13

Acrolein

Concen: 209.854 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39906

Ion Ratio Lower Upper

56 100

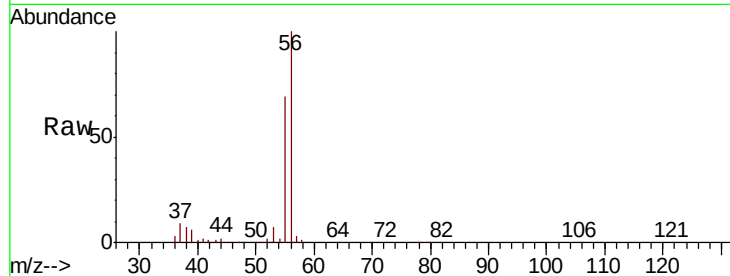
55 71.4 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

15000

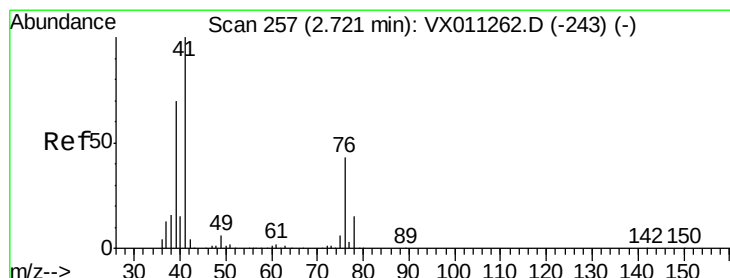
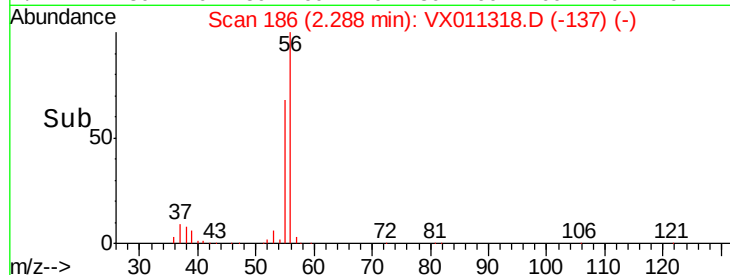
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 51.048 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

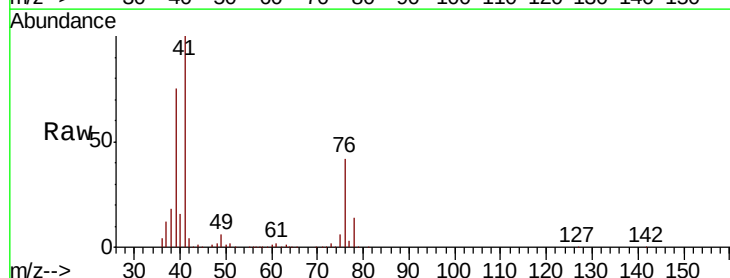
Tgt Ion: 41 Resp: 94317

Ion Ratio Lower Upper

41 100

39 66.0 52.8 79.2

76 37.9 31.1 46.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

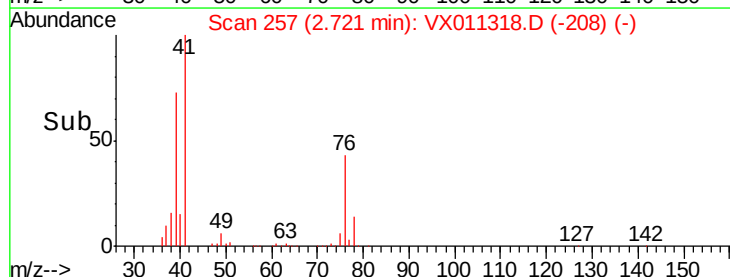
40000

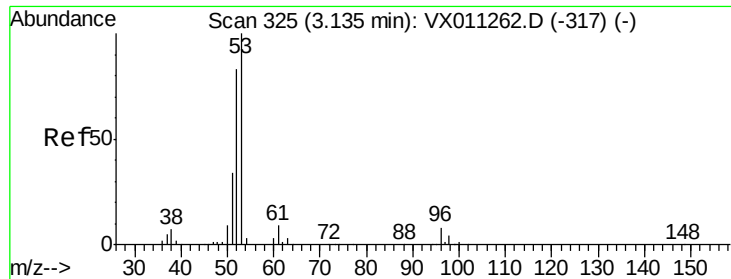
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 259.353 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

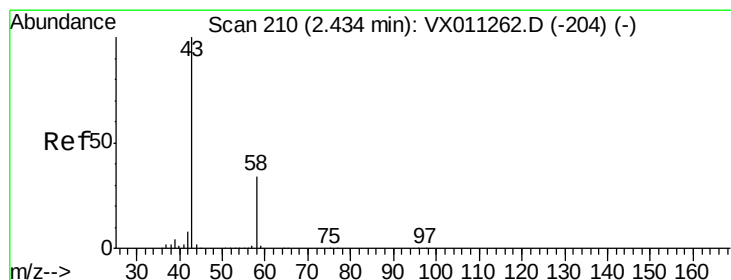
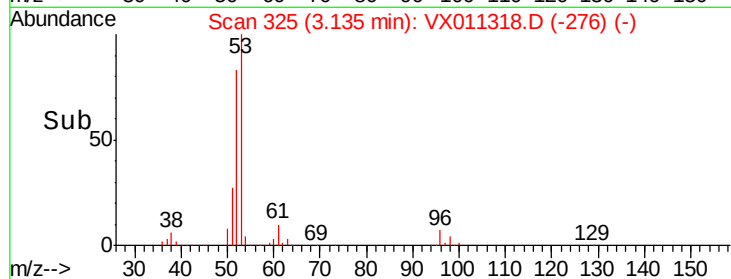
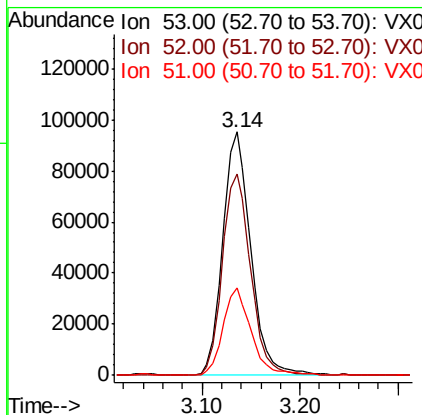
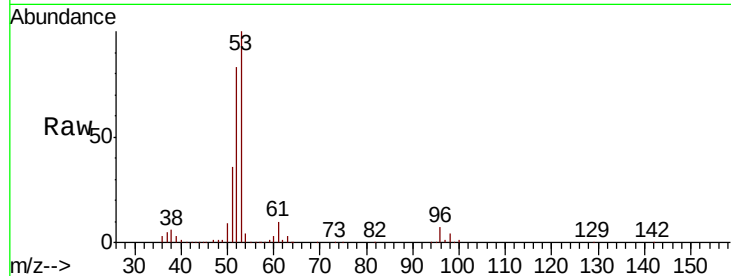
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	189318
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.5	98.3
51	35.6	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#16

Acetone

Concen: 211.826 ug/l

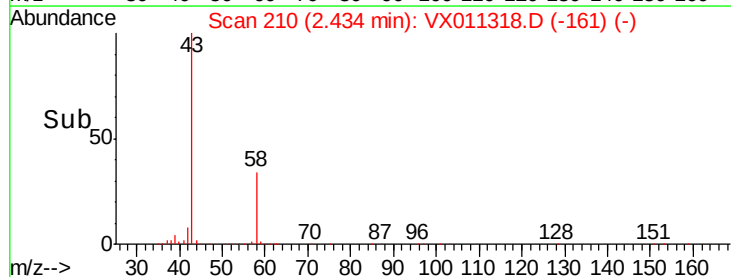
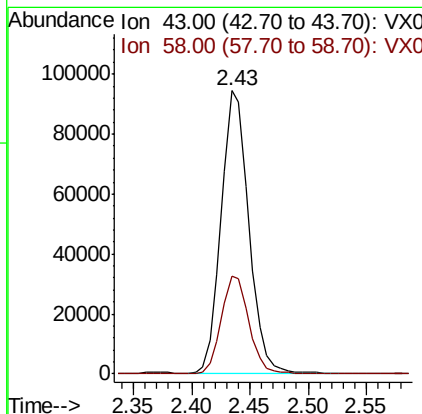
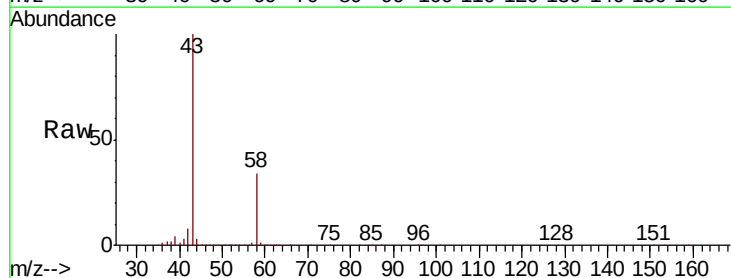
RT: 2.43 min Scan# 210

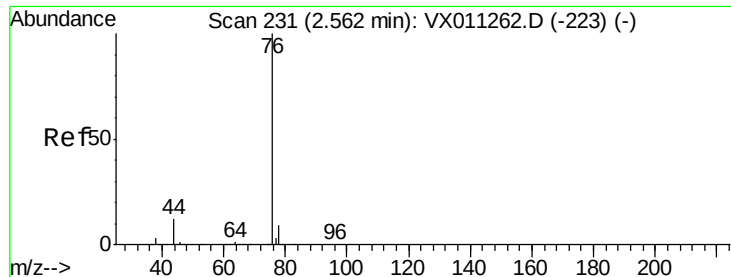
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	43	Resp:	154666
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.4	41.0





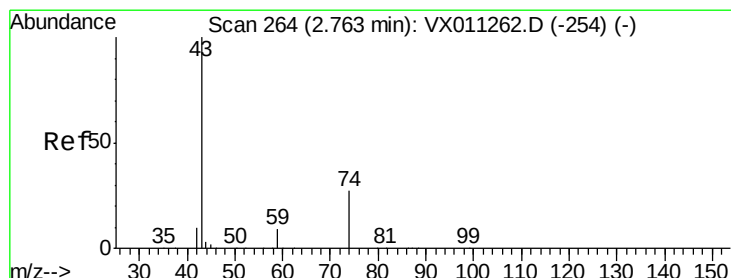
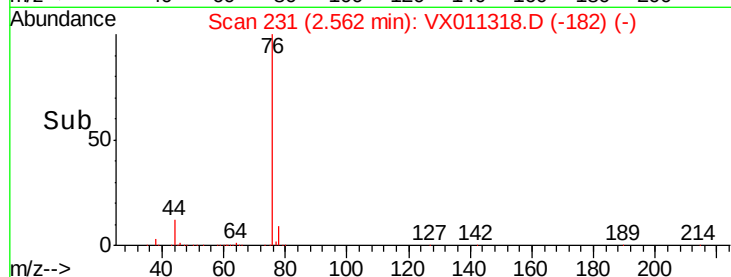
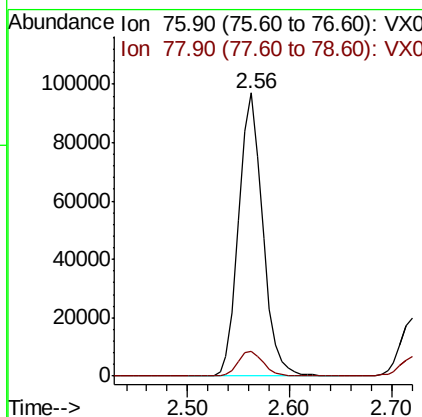
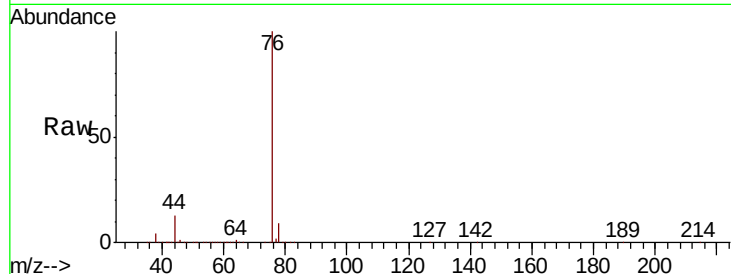
#17
Carbon Disulfide
Concen: 48.601 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

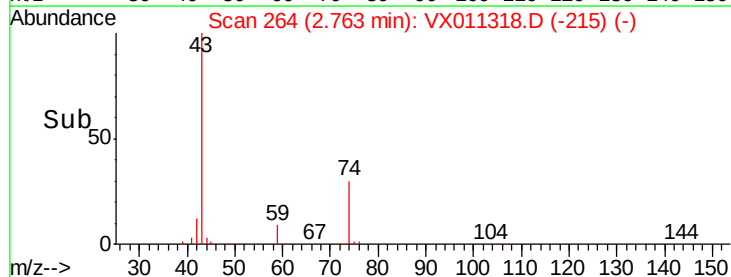
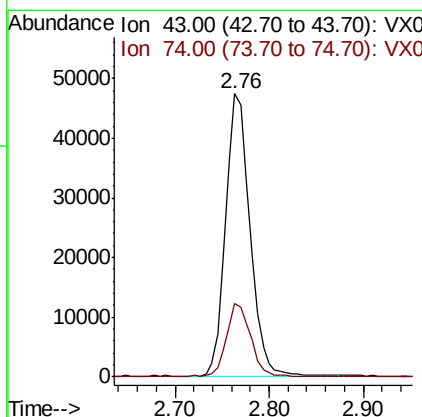
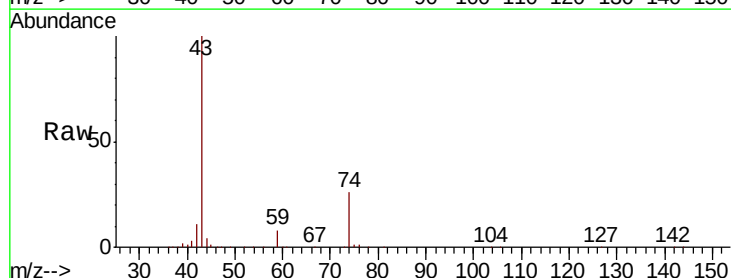
Manual Integrations
APPROVED

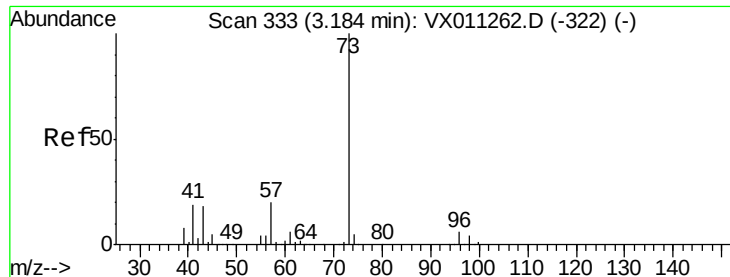
MMDadoda
8/6/2019 12:11:18 PM



#18
Methyl Acetate
Concen: 51.202 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.0	31.6





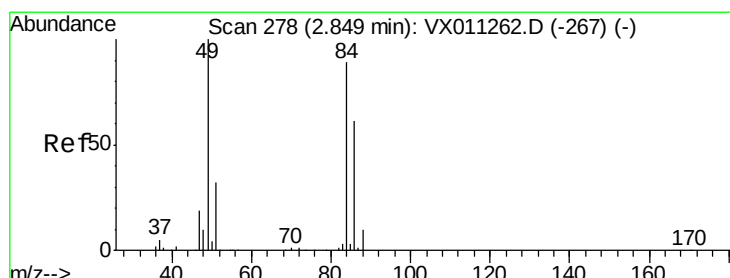
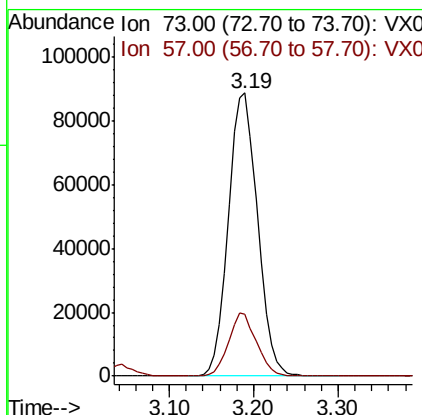
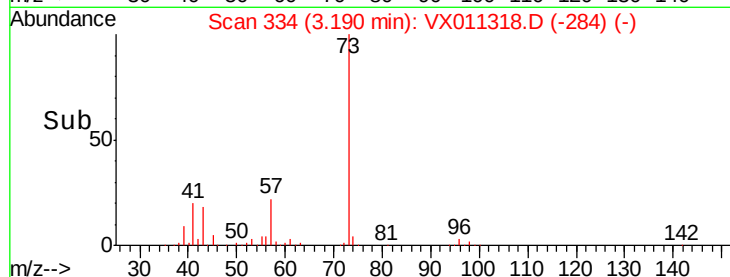
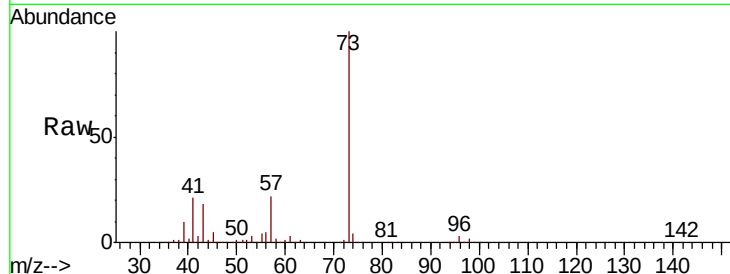
#19
Methvl tert-butyl Ether
Concen: 51.181 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.2	24.2

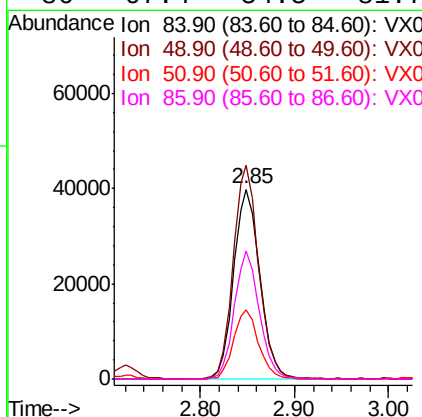
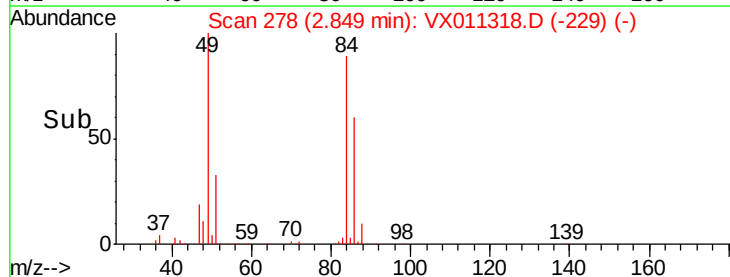
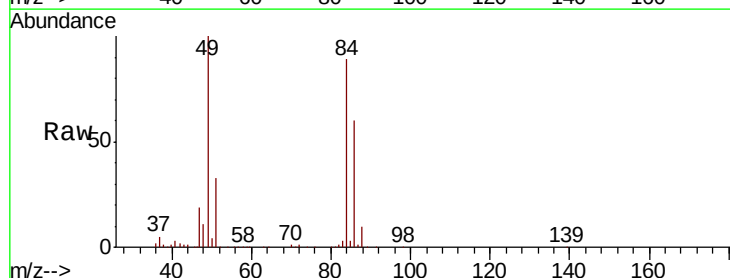
Manual Integrations
APPROVED

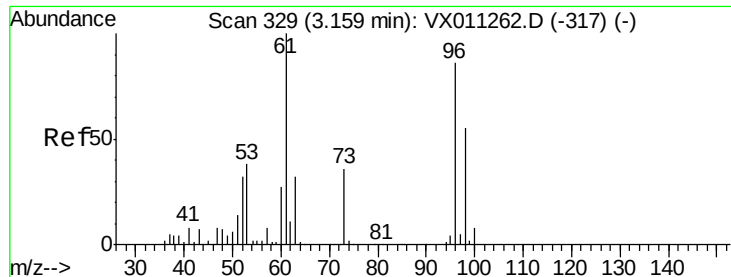
MMDadoda
8/6/2019 12:11:18 PM



#20
Methylene Chloride
Concen: 47.945 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	89.3	133.9
51	36.6	28.3	42.5
86	67.4	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 49.290 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

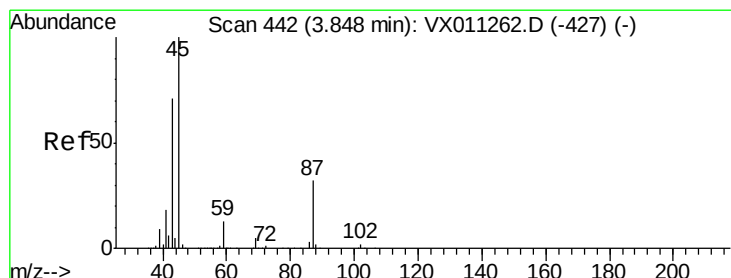
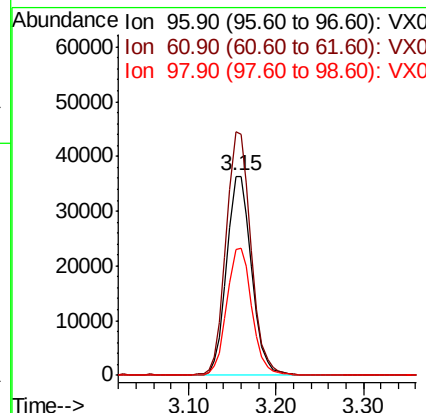
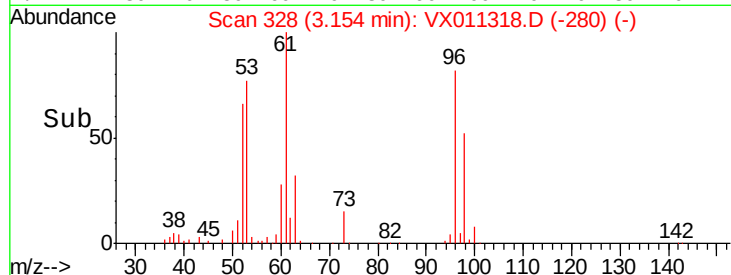
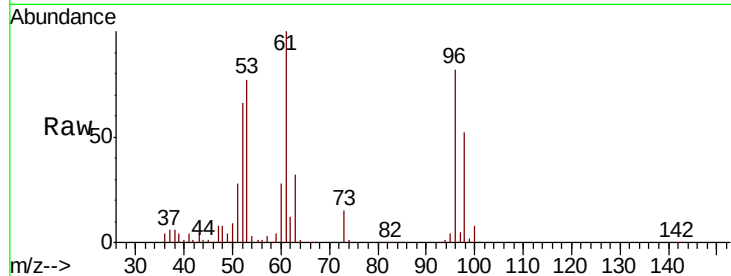
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	72262
Ion	Ratio	Lower	Upper
96	100		
61	122.1	92.8	139.2
98	63.4	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#22

Diisopropyl ether

Concen: 50.851 ug/l

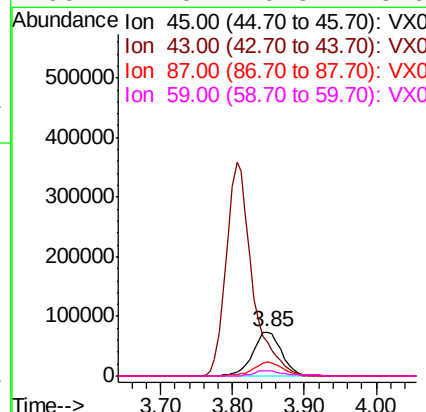
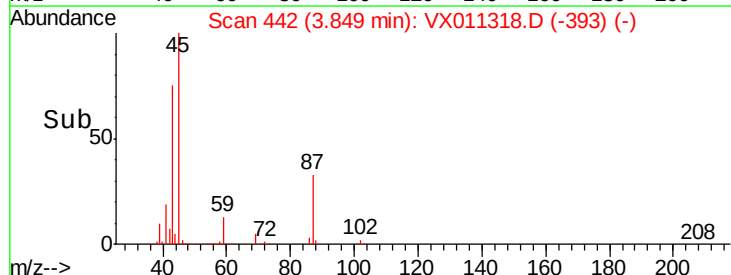
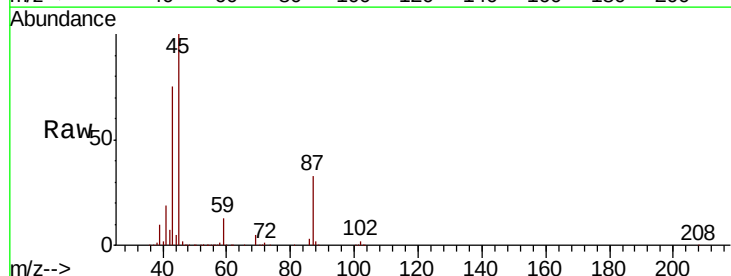
RT: 3.85 min Scan# 442

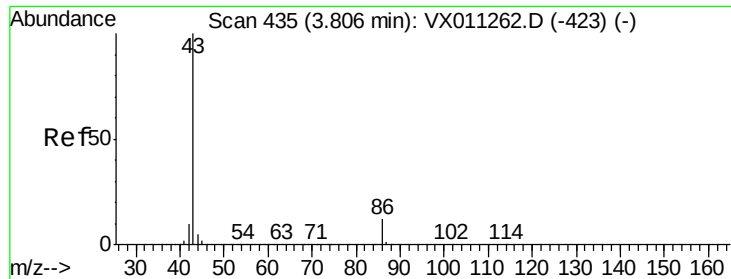
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	45	Resp:	206492
Ion	Ratio	Lower	Upper
45	100		
43	74.7	56.8	85.2
87	32.9	25.8	38.6
59	12.8	10.3	15.5





#23

Vinyl Acetate

Concen: 269.760 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 908557

Ion Ratio Lower Upper

43 100

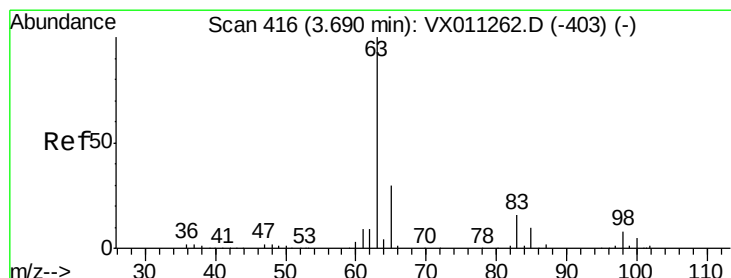
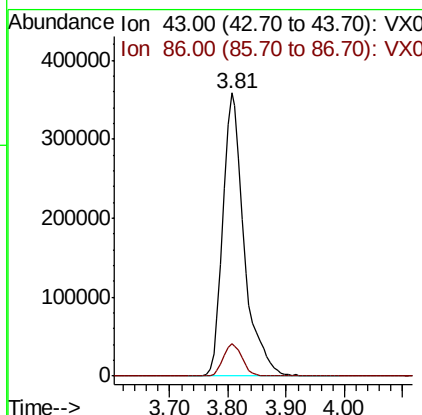
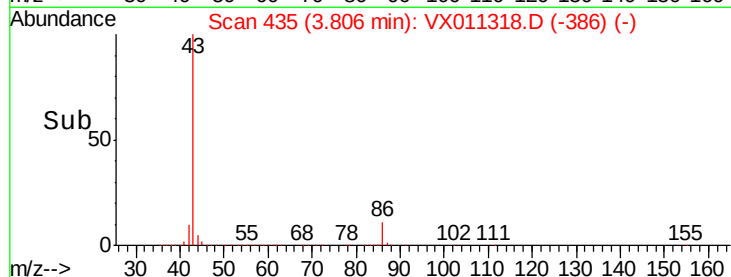
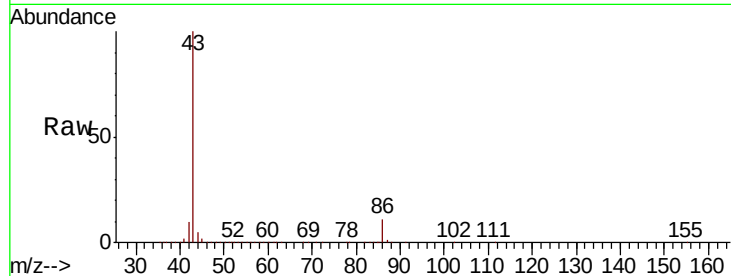
86 11.4 9.6 14.4

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



#24

1,1-Dichloroethane

Concen: 49.657 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

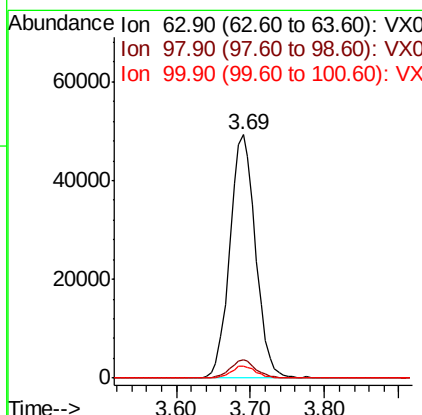
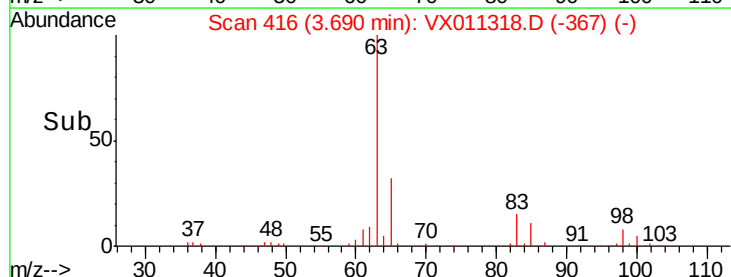
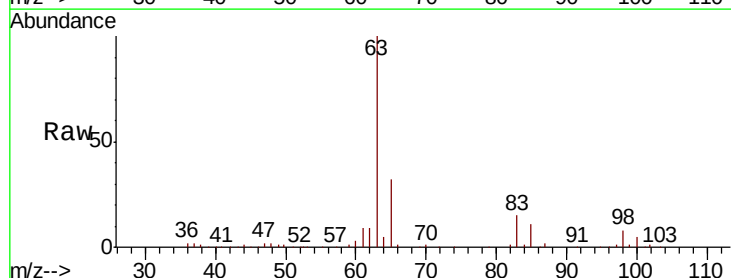
Tgt Ion: 63 Resp: 118903

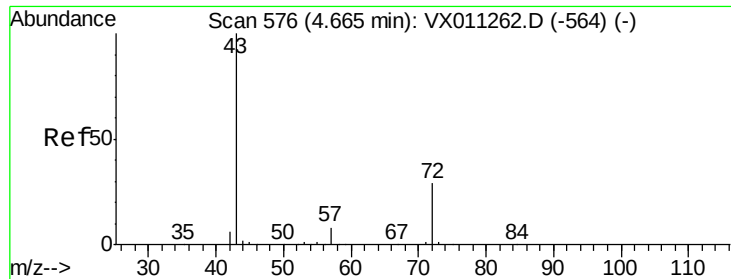
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 5.0 2.7 8.1





#25

2-Butanone

Concen: 250.030 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 259693

Ion Ratio Lower Upper

43 100

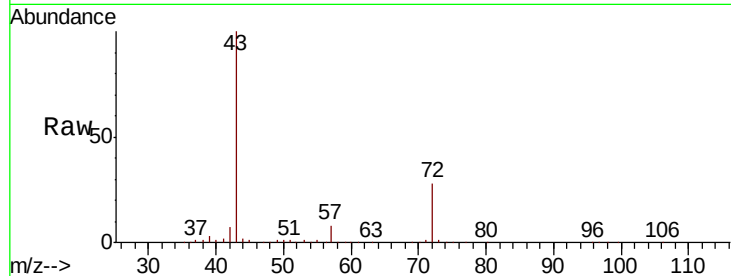
72 28.2 23.2 34.8

Manual Integrations

APPROVED

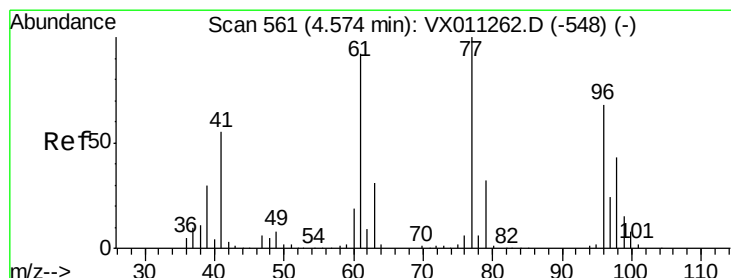
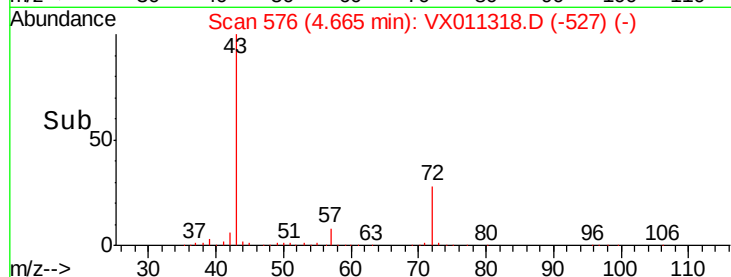
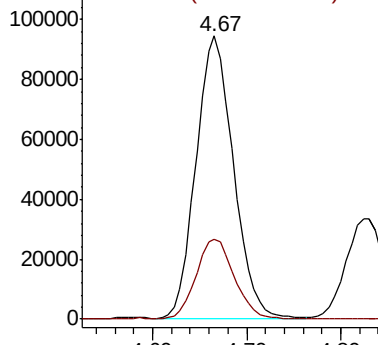
MMDadoda

8/6/2019 12:11:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.079 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011318.D

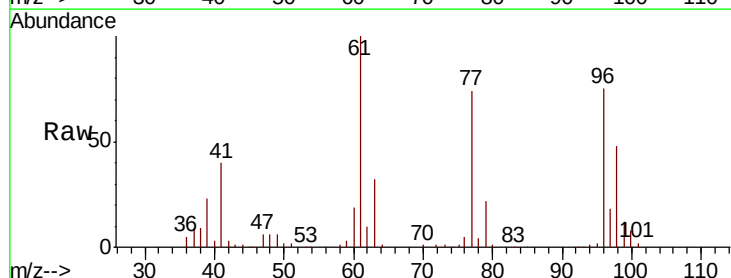
Acq: 02 Aug 2019 20:24

Tgt Ion: 77 Resp: 82046

Ion Ratio Lower Upper

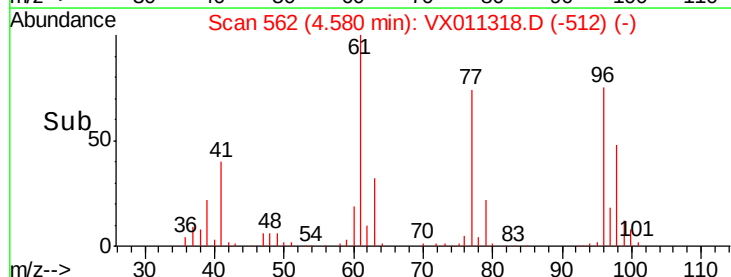
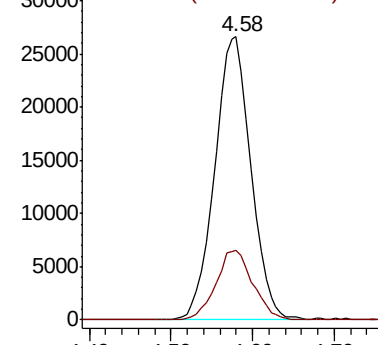
77 100

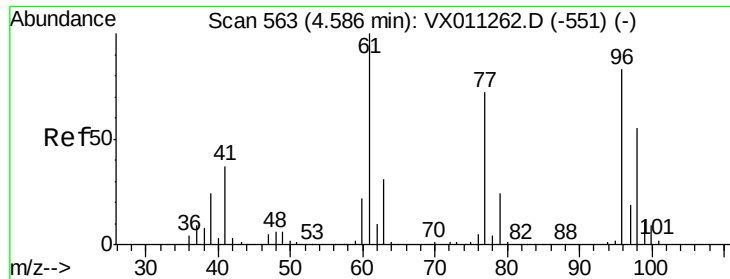
97 25.2 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





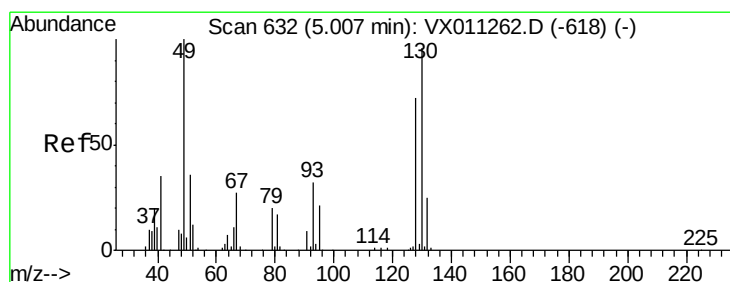
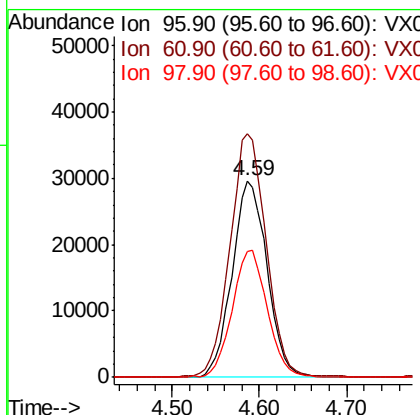
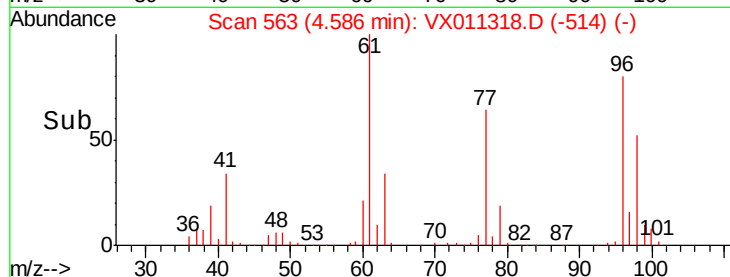
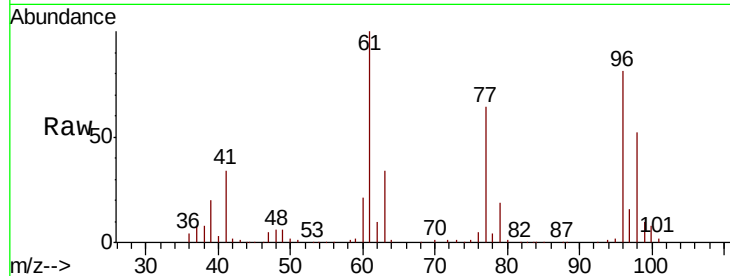
#27
 cis-1,2-Dichloroethene
 Concen: 48.684 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	260.2
98	64.9	0.0	133.2

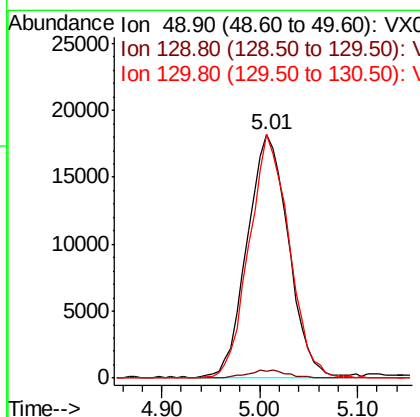
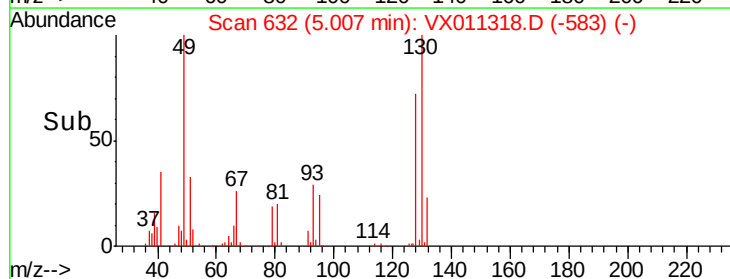
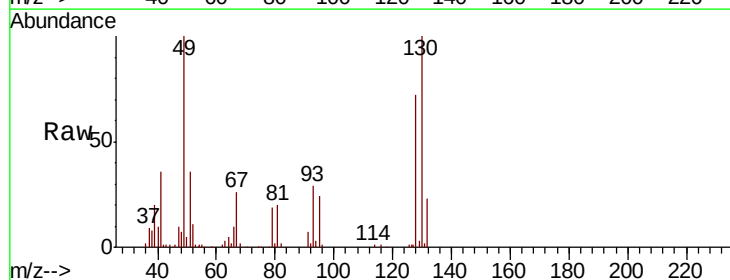
Manual Integrations
 APPROVED

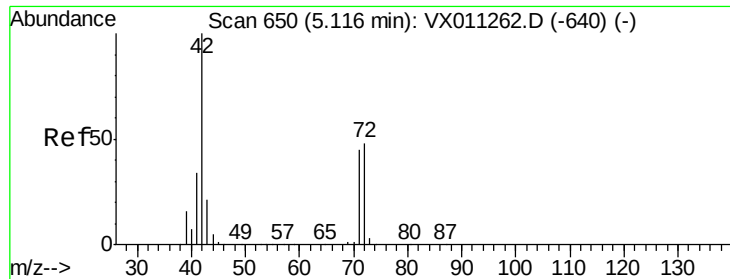
MMDadoda
 8/6/2019 12:11:18 PM



#28
 Bromochloromethane
 Concen: 49.060 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.8
130	96.7	77.9	116.9





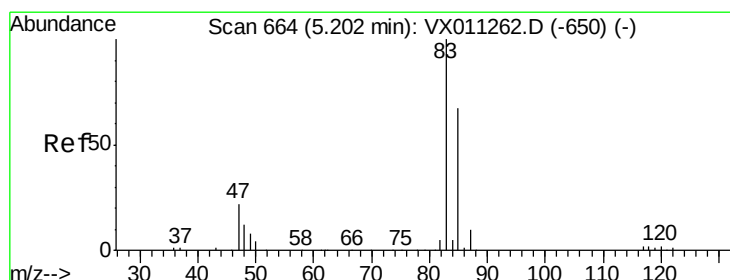
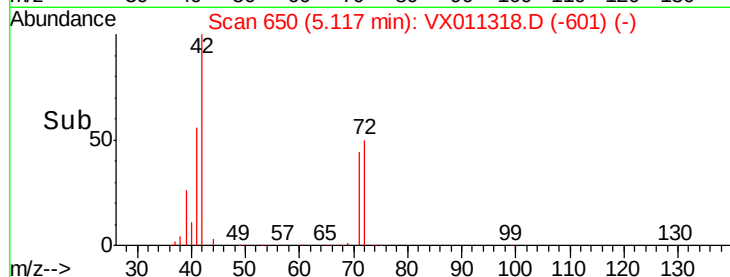
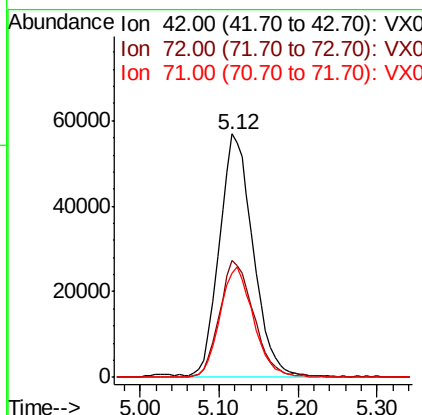
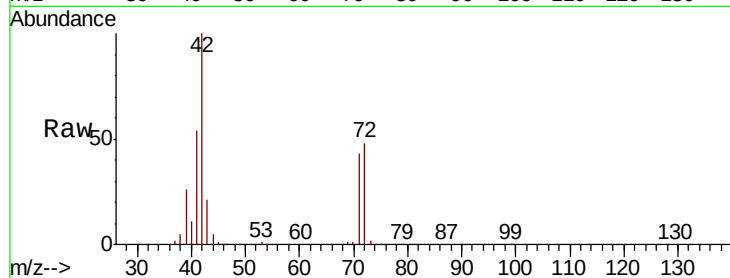
#29
Tetrahydrofuran
Concen: 262.520 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.9	59.9
71	45.6	36.9	55.3

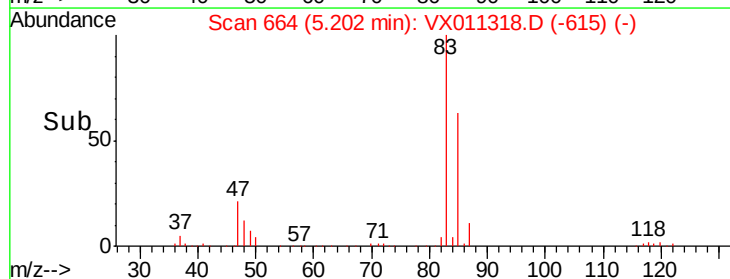
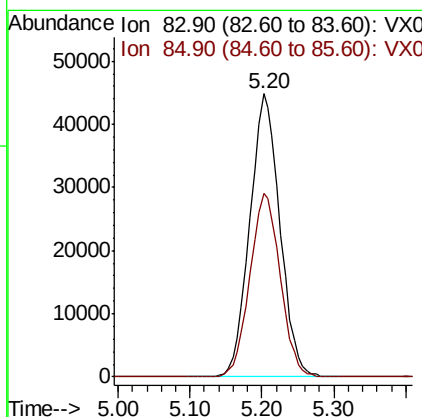
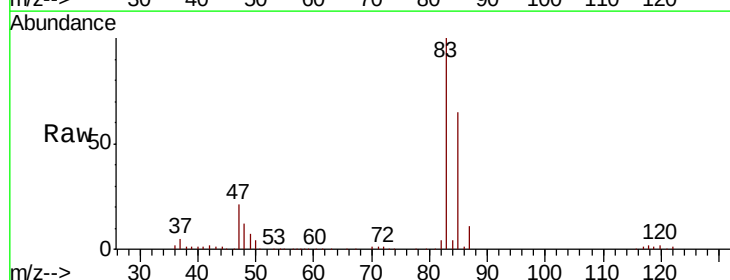
Manual Integrations
APPROVED

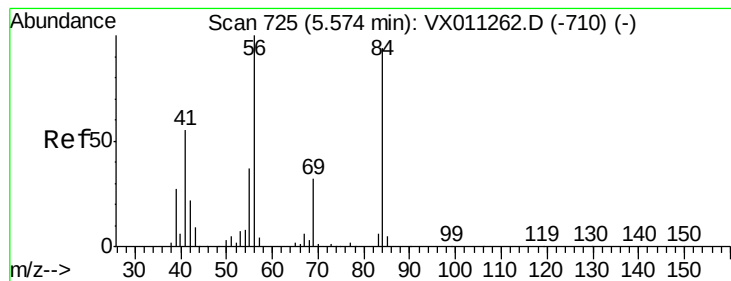
MMDadoda
8/6/2019 12:11:18 PM



#30
Chloroform
Concen: 49.918 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.0





#31

Cyclohexane

Concen: 48.479 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

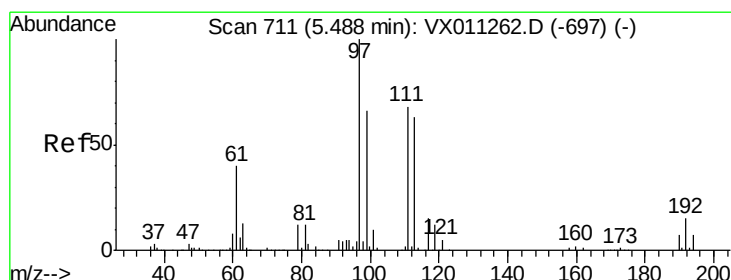
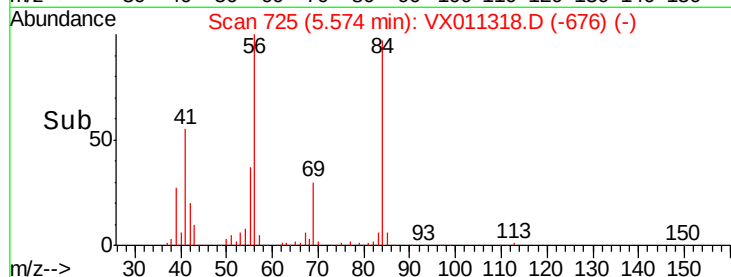
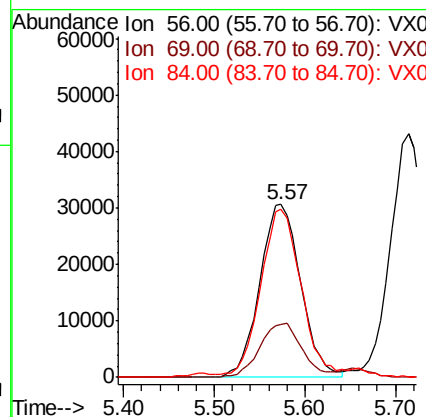
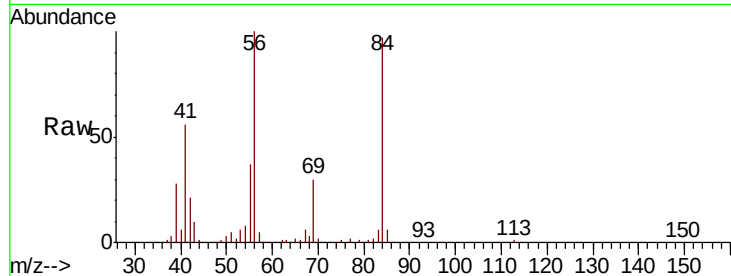
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	95770
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.5	38.3
84	95.6	75.0	112.4

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#32

1,1,1-Trichloroethane

Concen: 50.027 ug/l

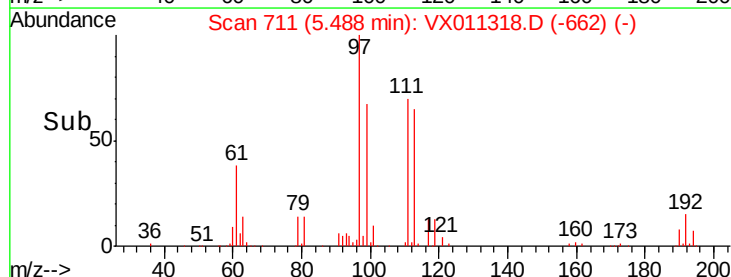
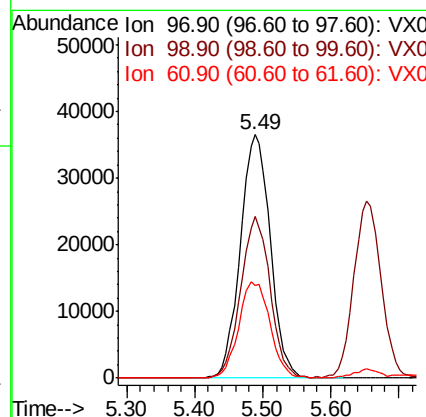
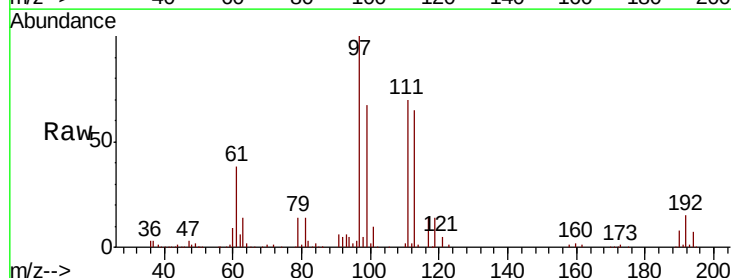
RT: 5.49 min Scan# 711

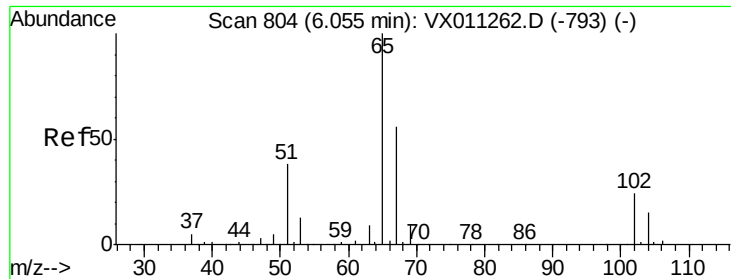
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	97	Resp:	111529
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	41.4	32.3	48.5





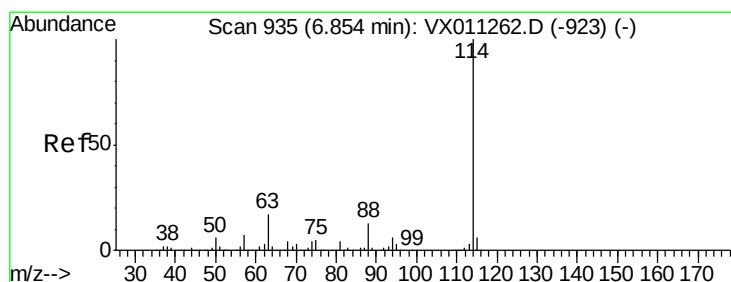
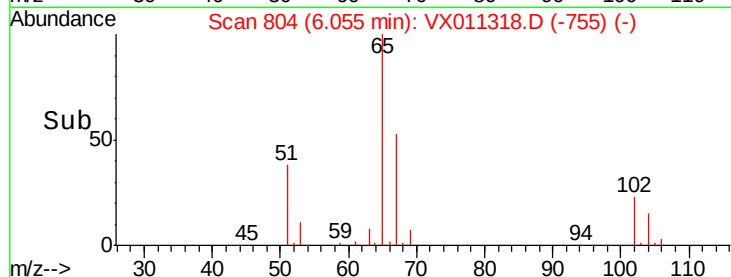
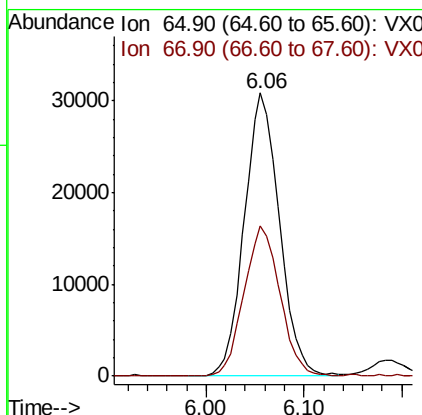
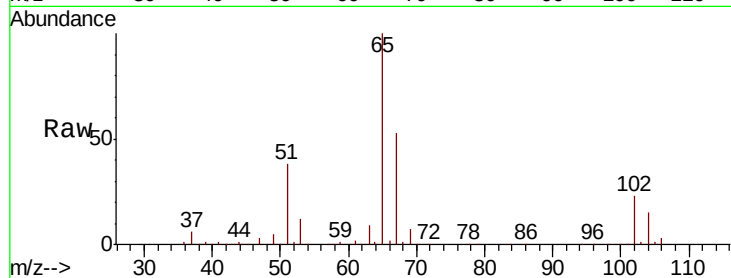
#33
 1,2-Dichloroethane-d4
 Concen: 50.386 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	110.6

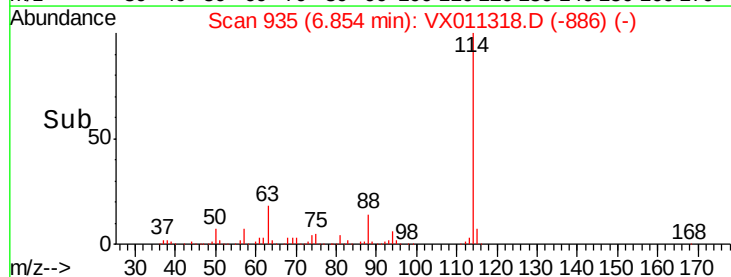
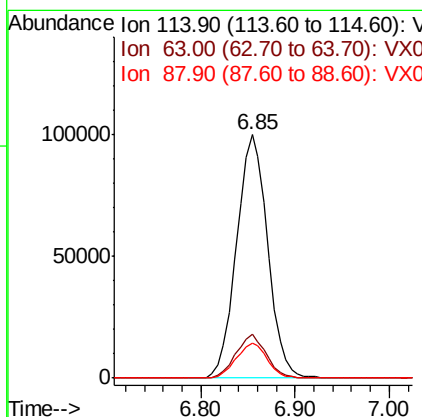
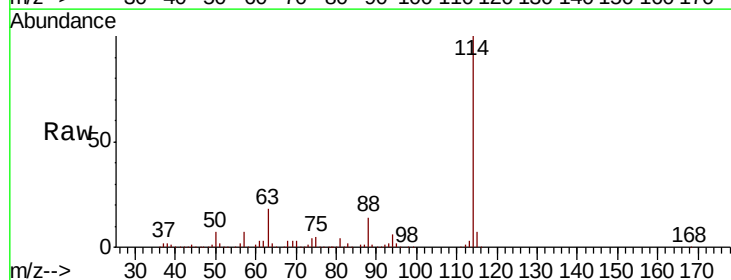
Manual Integrations
 APPROVED

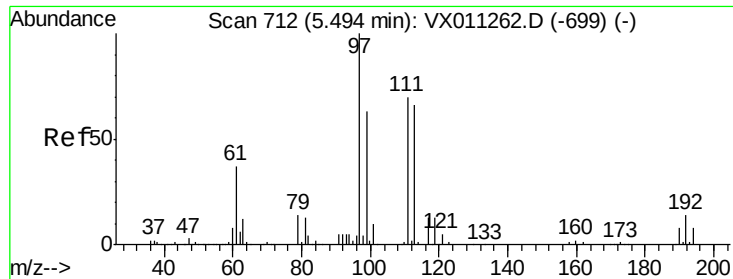
MMDadoda
 8/6/2019 12:11:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.0
88	14.1	0.0	26.4





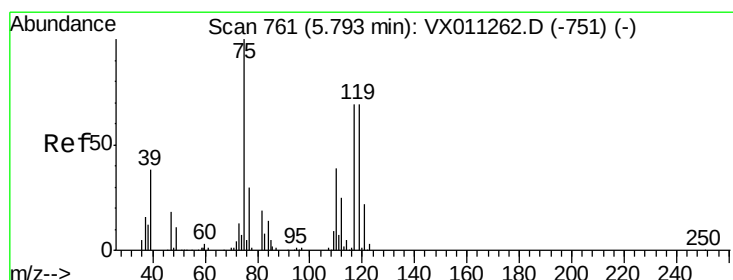
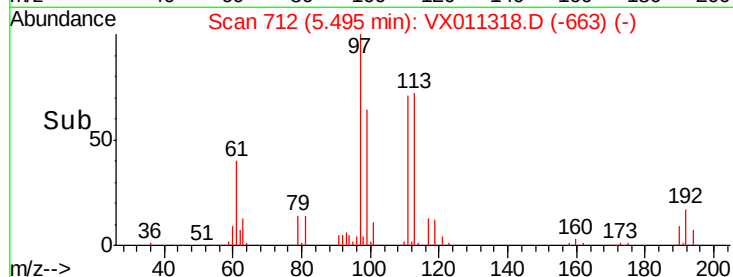
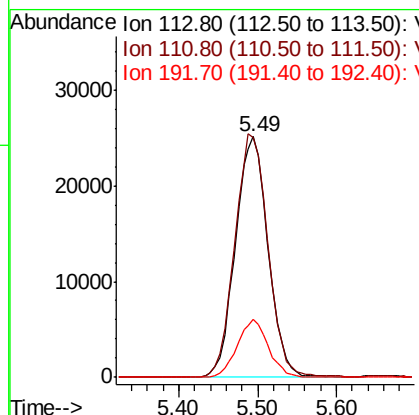
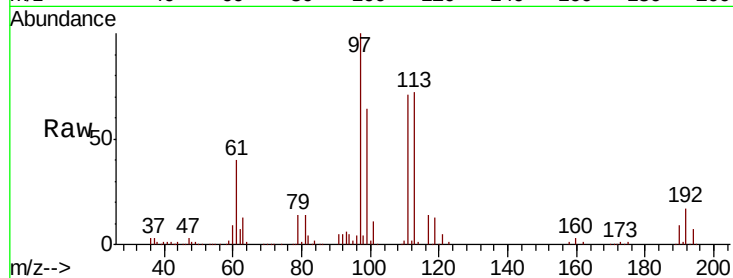
#35
 Dibromofluoromethane
 Concen: 48.017 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	22.7	17.8	26.8

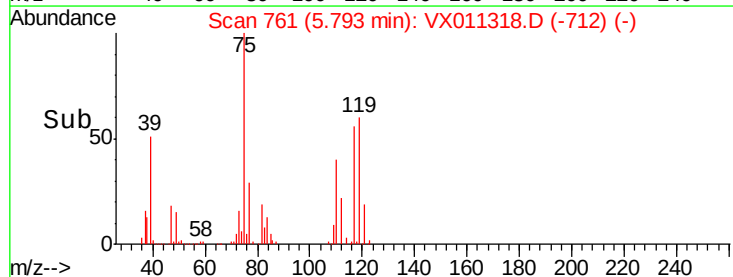
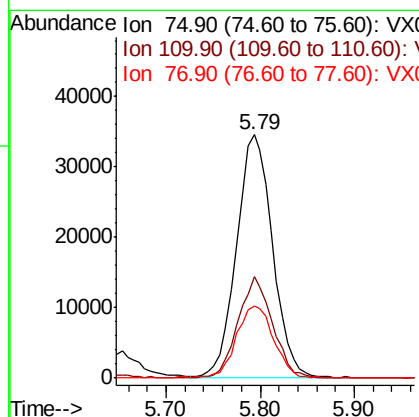
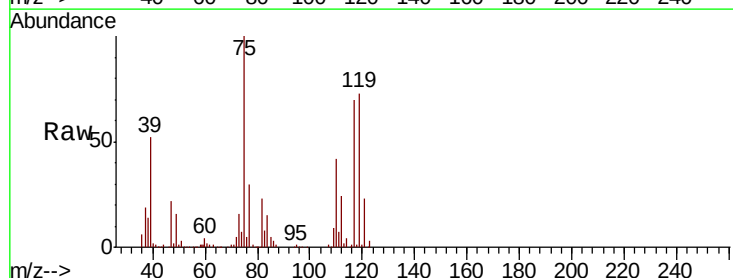
Manual Integrations
 APPROVED

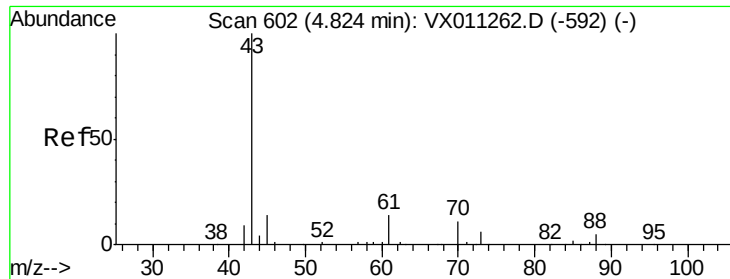
MMDadoda
 8/6/2019 12:11:18 PM



#36
 1,1-Dichloropropene
 Concen: 45.539 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.1	20.0	59.9
77	31.1	24.8	37.2





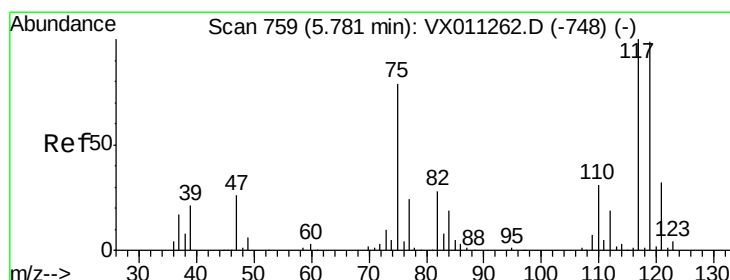
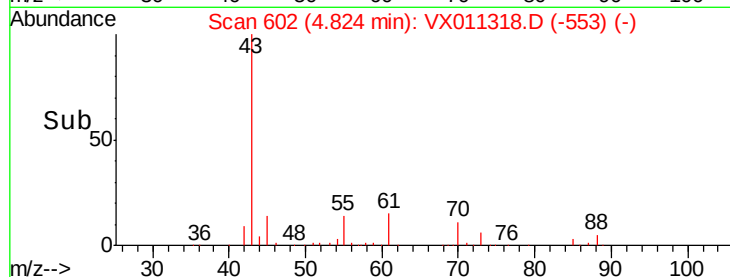
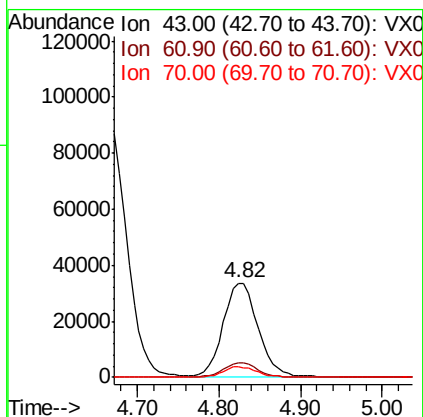
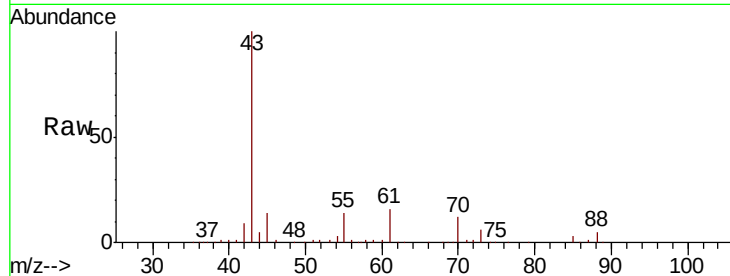
#37
Ethyl Acetate
Concen: 48.694 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.6	18.8
70	11.5	9.1	13.7

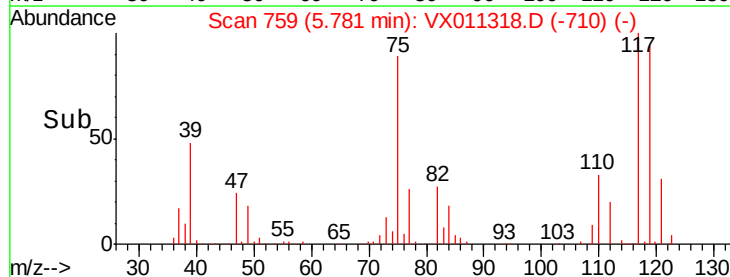
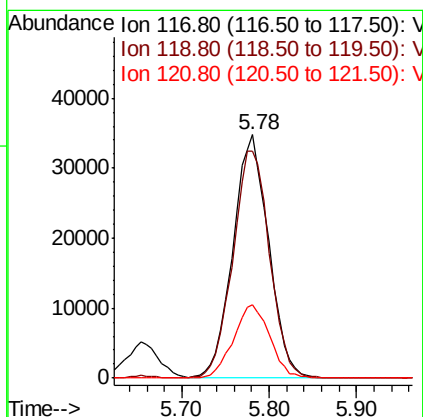
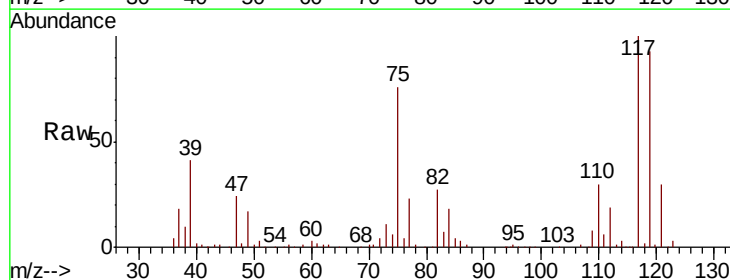
Manual Integrations
APPROVED

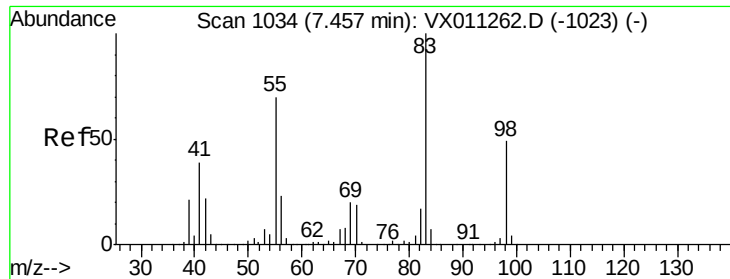
MMDadoda
8/6/2019 12:11:18 PM



#38
Carbon Tetrachloride
Concen: 48.710 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.0	118.4
121	30.1	25.9	38.9





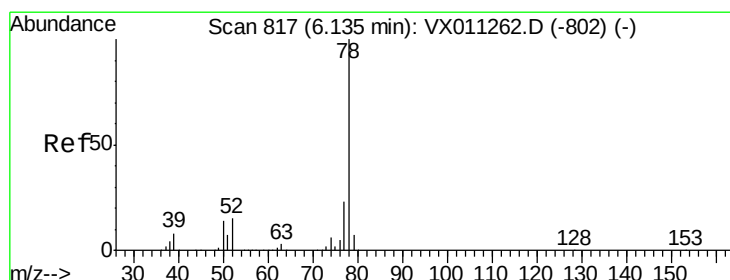
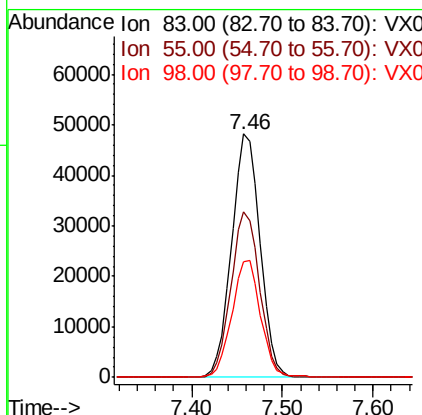
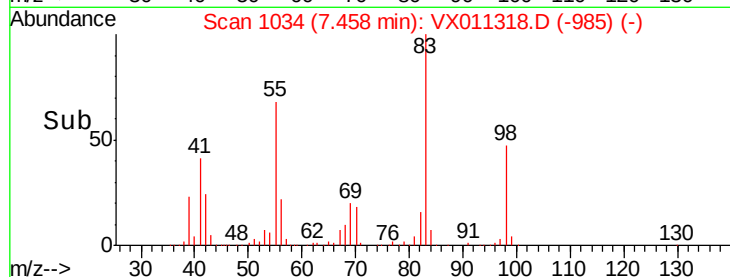
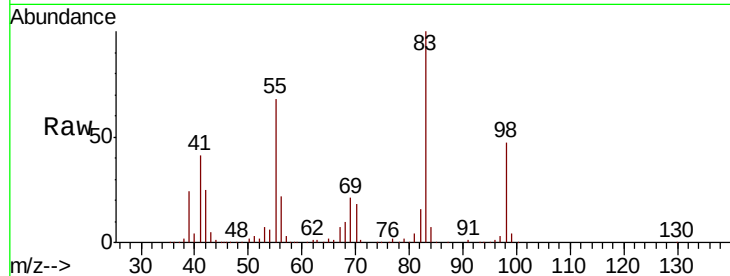
#39
Methylvlcyclohexane
Concen: 44.115 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	56.1	84.1
98	47.5	39.0	58.4

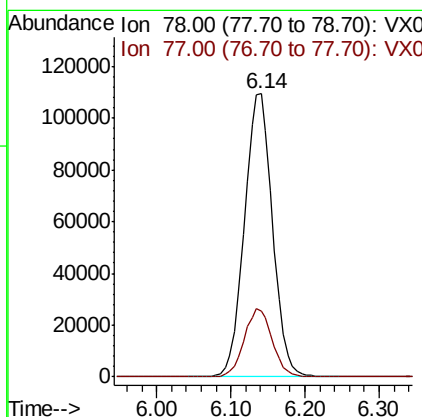
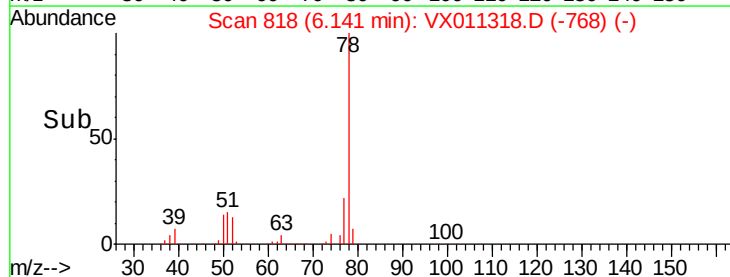
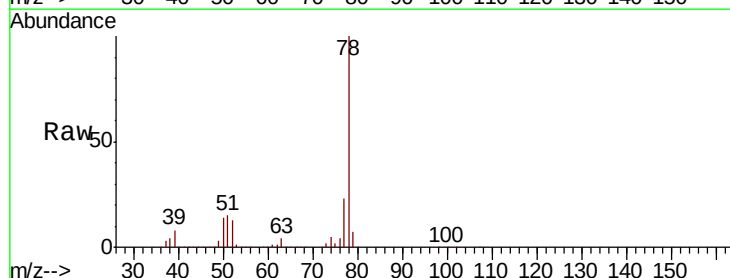
Manual Integrations
APPROVED

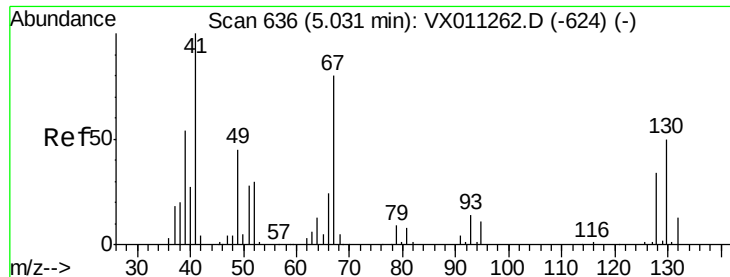
MMDadoda
8/6/2019 12:11:18 PM



#40
Benzene
Concen: 48.111 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





#41

Methacrylonitrile

Concen: 48.681 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

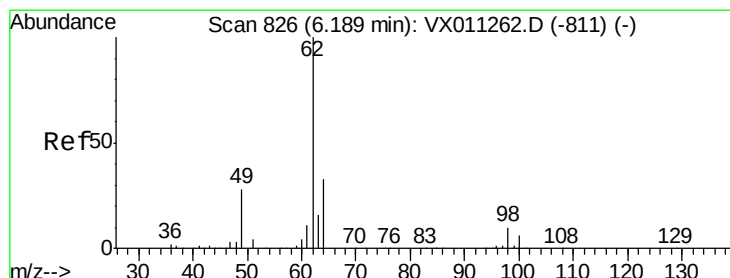
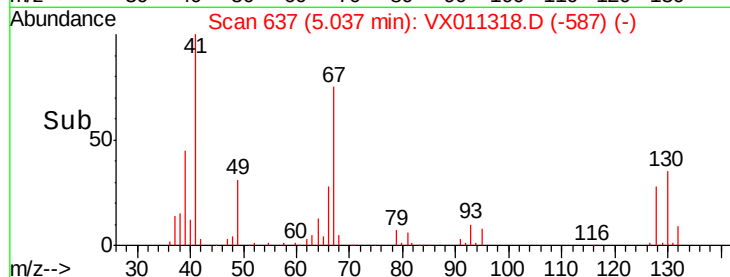
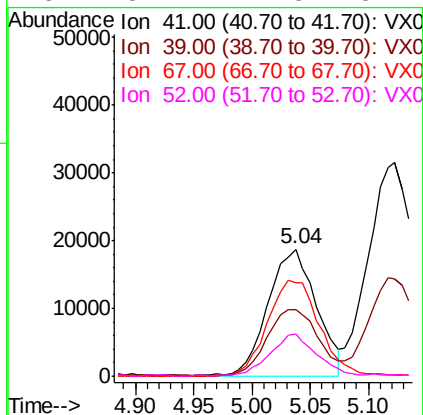
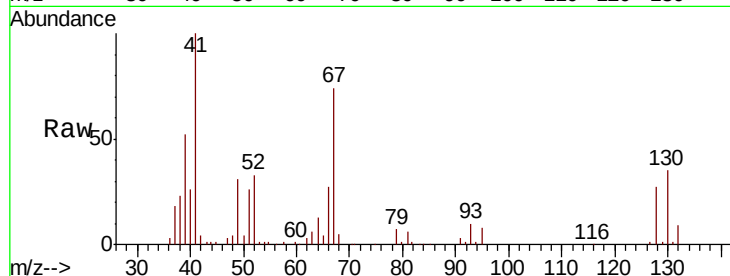
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	53684
Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.0	64.6
67	81.7	65.1	97.7
52	31.4	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#42

1,2-Dichloroethane

Concen: 48.347 ug/l

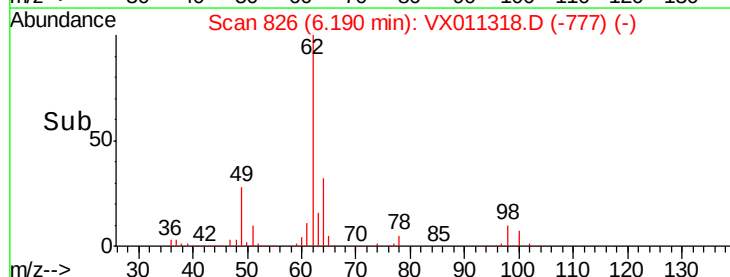
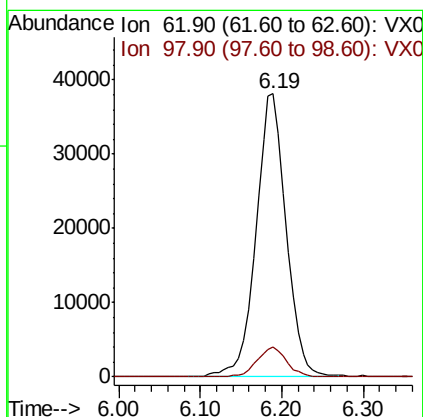
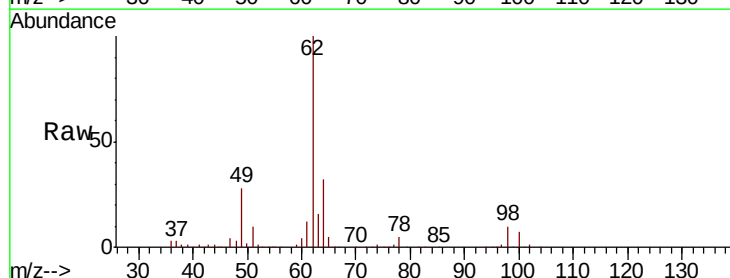
RT: 6.19 min Scan# 826

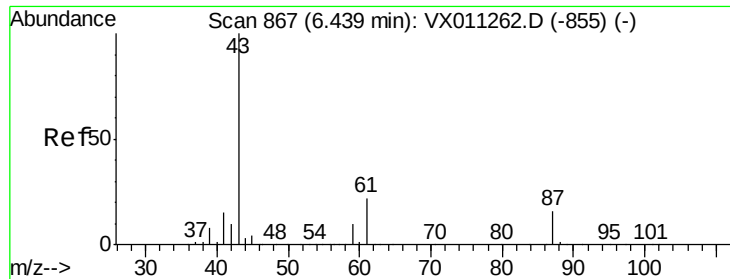
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	62	Resp:	98209
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.072 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

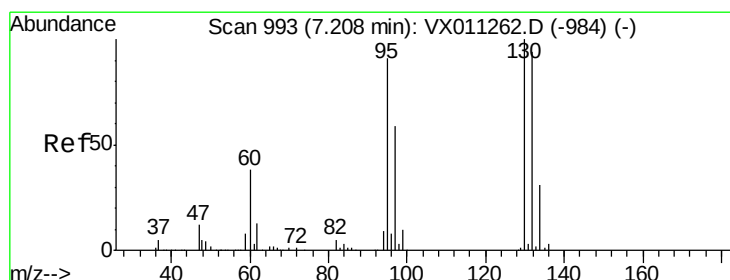
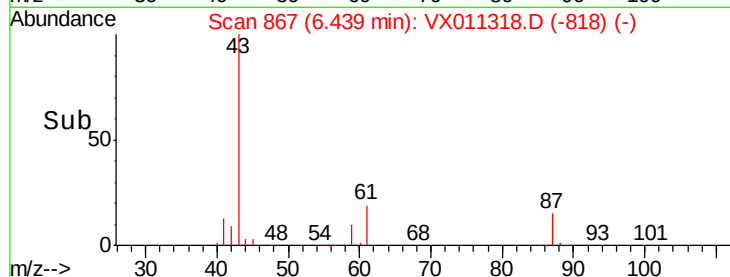
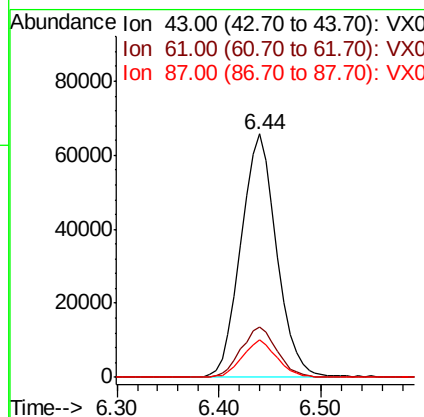
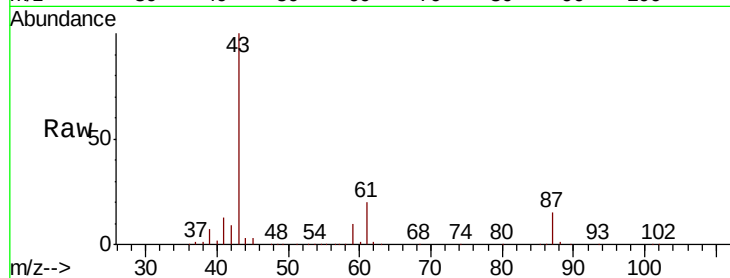
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	158420
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.5	24.7
87	15.0	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#44

Trichloroethene

Concen: 45.942 ug/l

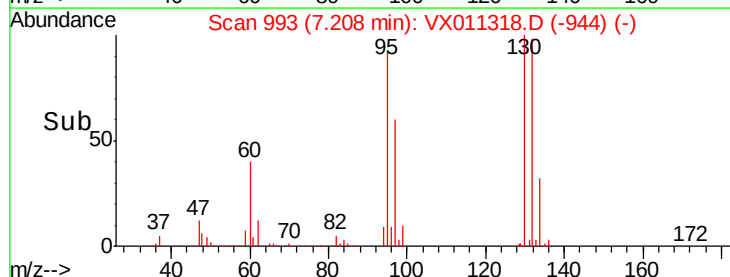
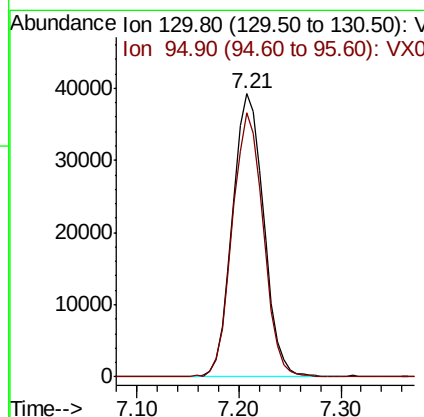
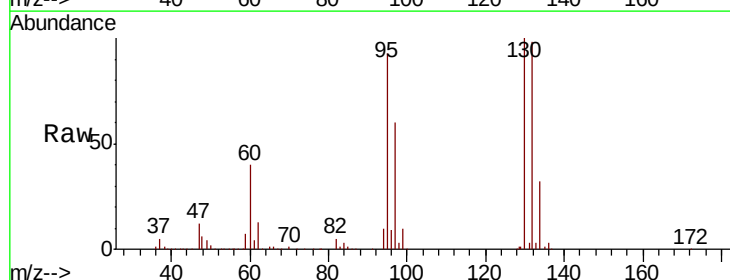
RT: 7.21 min Scan# 993

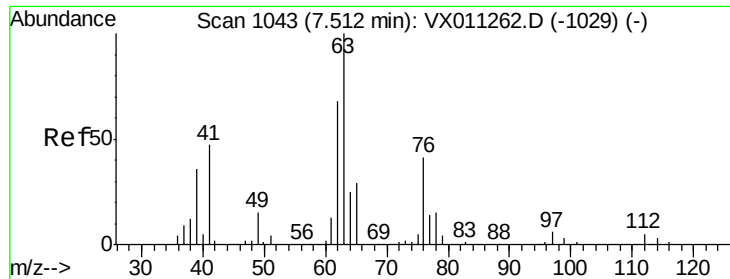
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	130	Resp:	83535
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	182.6





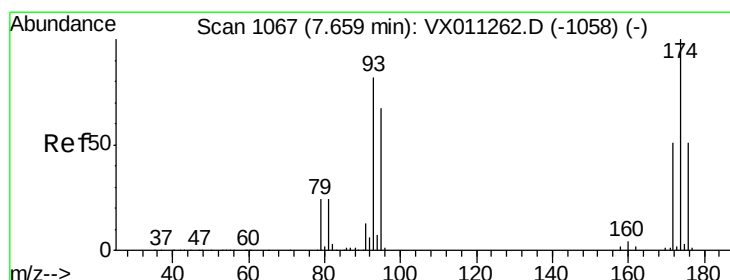
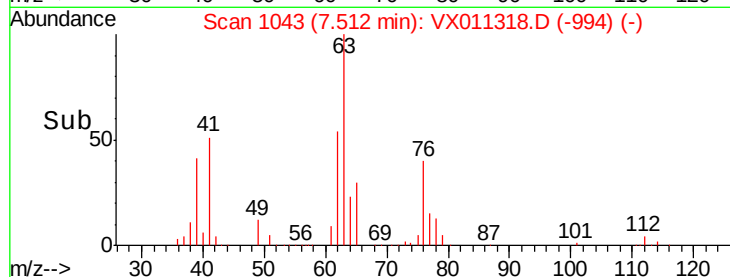
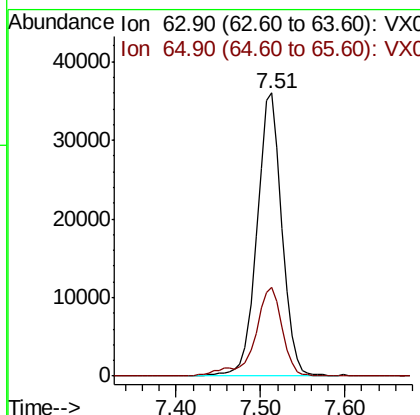
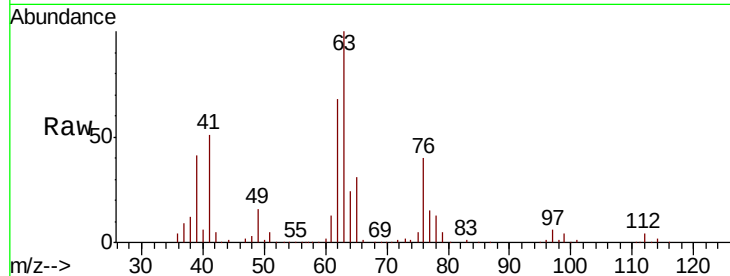
#45
 1,2-Dichloropropane
 Concen: 47.157 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.3	34.9

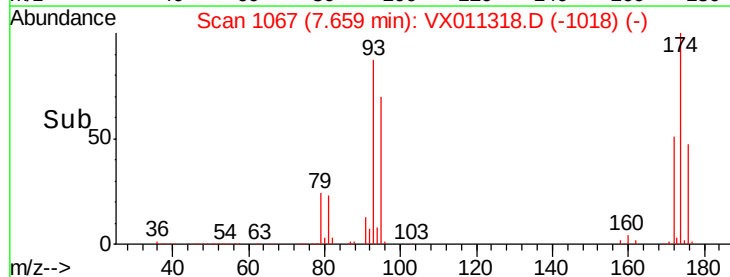
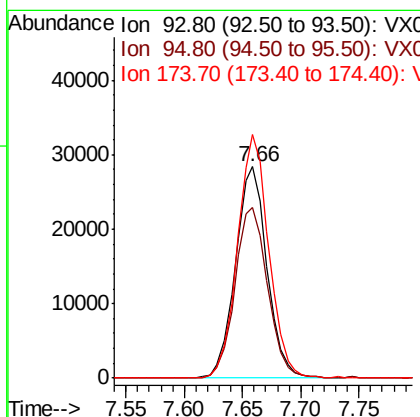
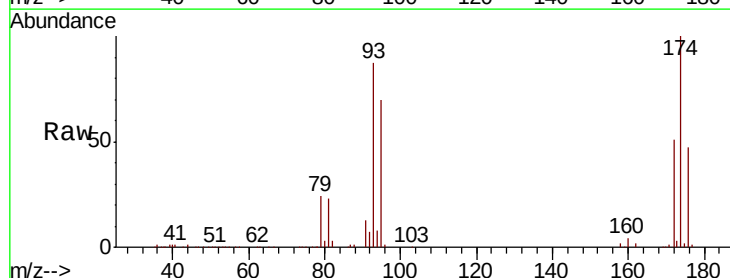
Manual Integrations
 APPROVED

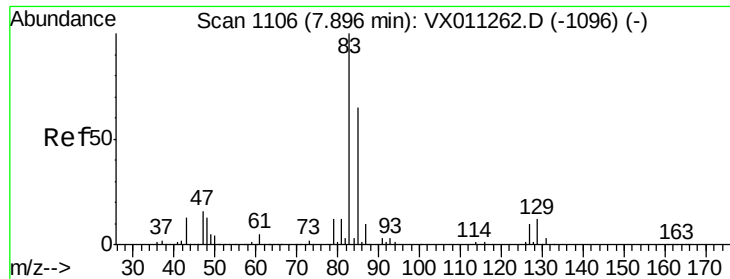
MMDadoda
 8/6/2019 12:11:18 PM



#46
 Dibromomethane
 Concen: 47.230 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.4	99.6
174	114.0	93.4	140.2





#47

Bromodichloromethane

Concen: 49.344 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

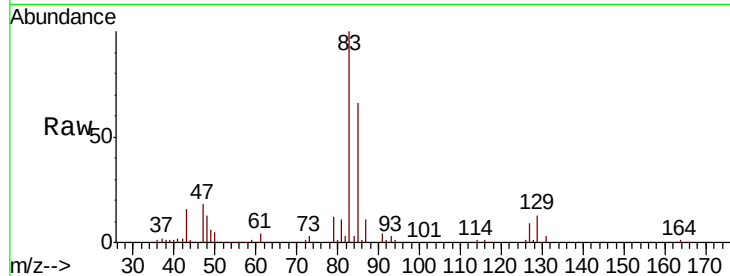
ClientSampled :

VSTDCCC050EC

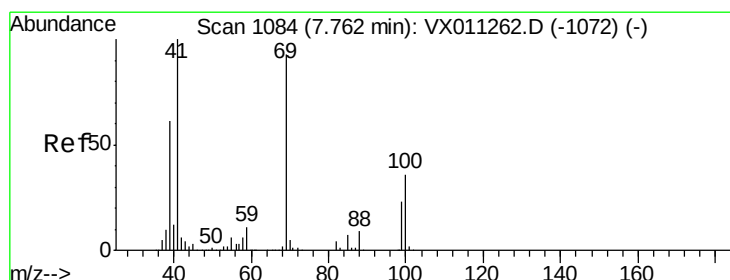
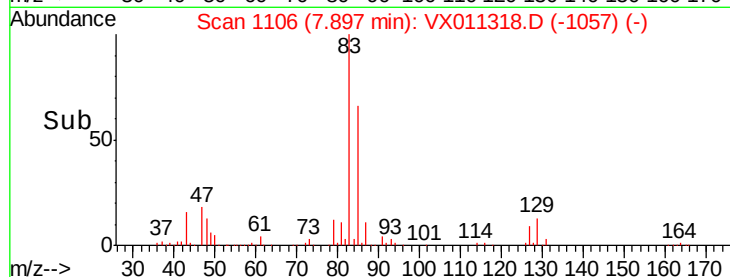
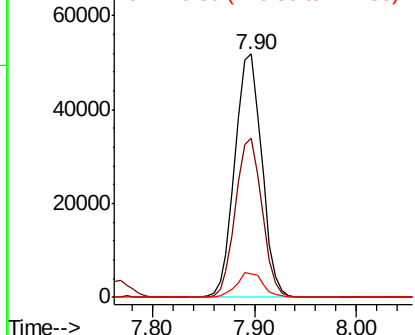
Tot Ion:	83	Resp:	94882
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2
127	9.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.567 ug/l

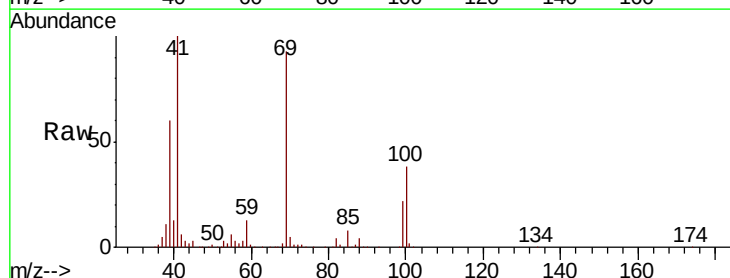
RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

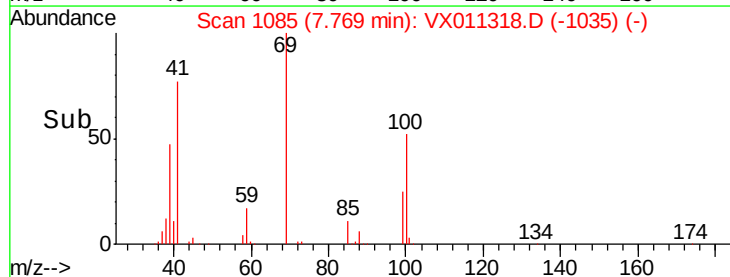
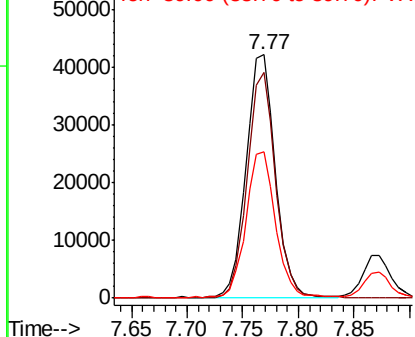
Lab File: VX011318.D

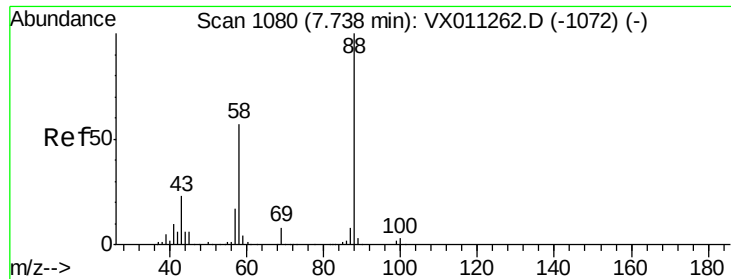
Acq: 02 Aug 2019 20:24

Tgt Ion:	41	Resp:	76827
Ion	Ratio	Lower	Upper
41	100		
69	90.5	74.5	111.7
39	60.1	48.6	72.8



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





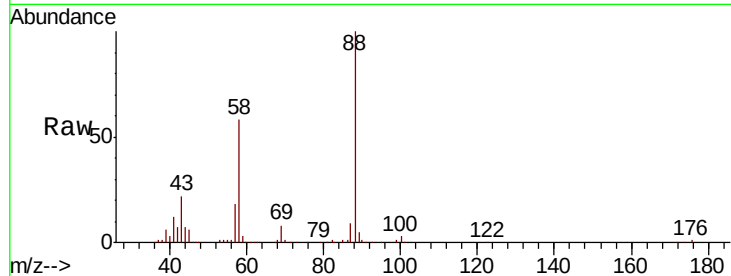
#49
1,4-Dioxane
Concen: 945.561 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	41648
Ion Ratio	Lower	Upper	
88	100		
43	27.6	22.2	33.2
58	60.3	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM

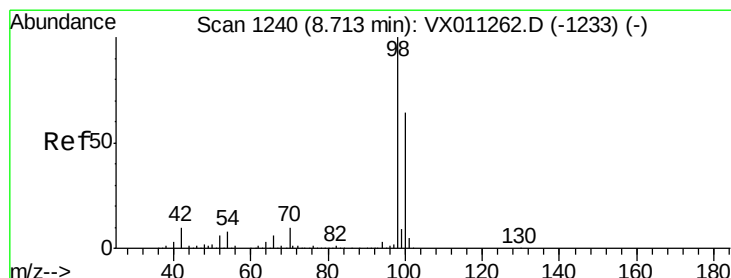
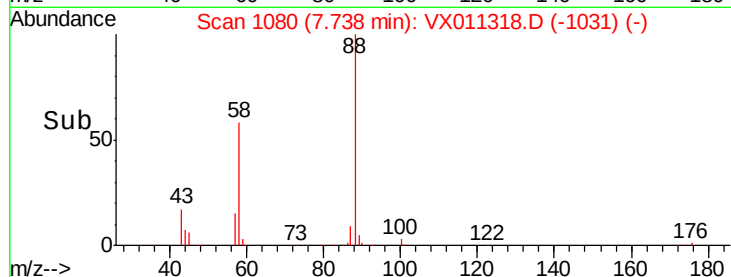
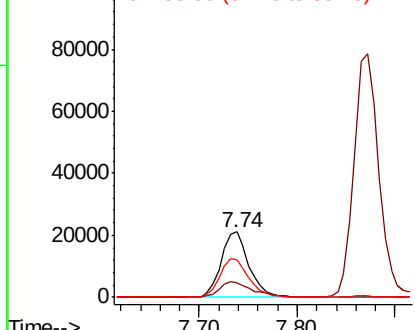


Abundance

Ion 88.00 (87.70 to 88.70): VX0

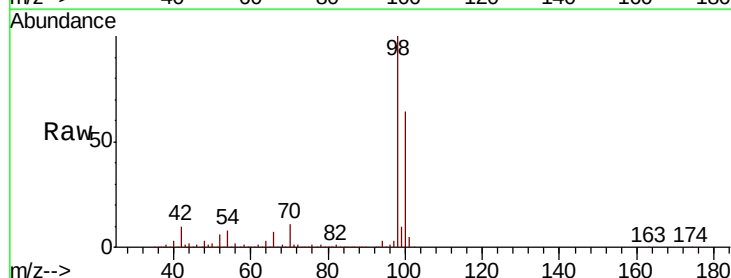
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.788 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

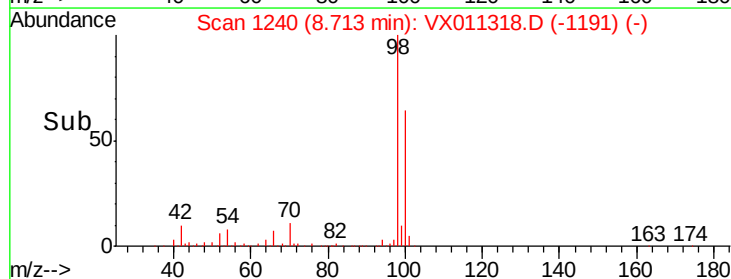
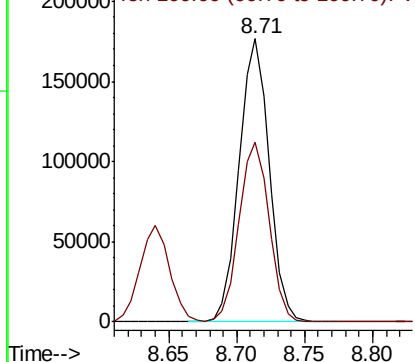
Tgt Ion	98	Resp	271541
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.7	77.5

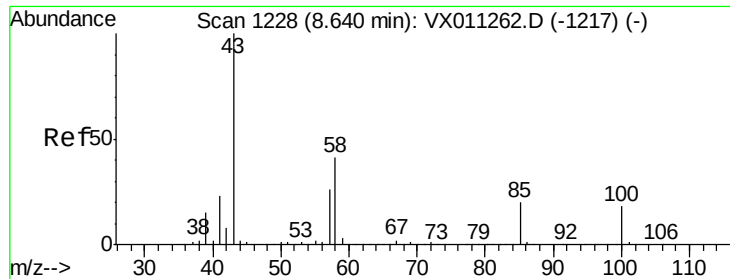


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 261.160 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 544112

Ion Ratio Lower Upper

43 100

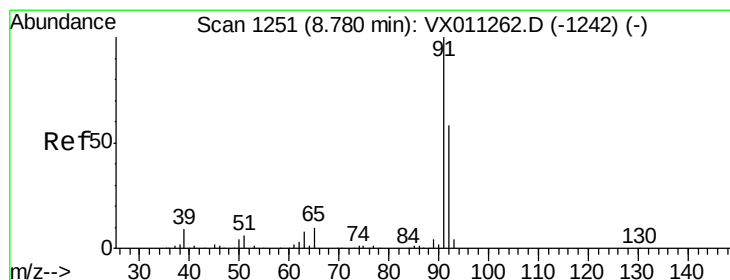
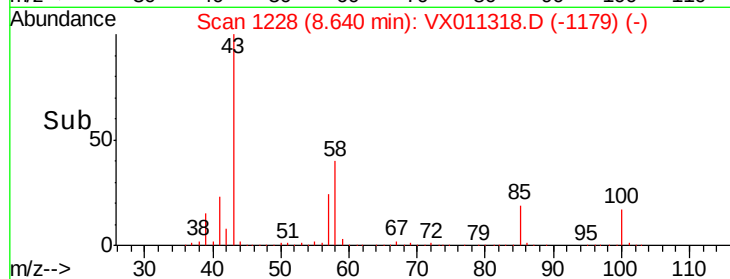
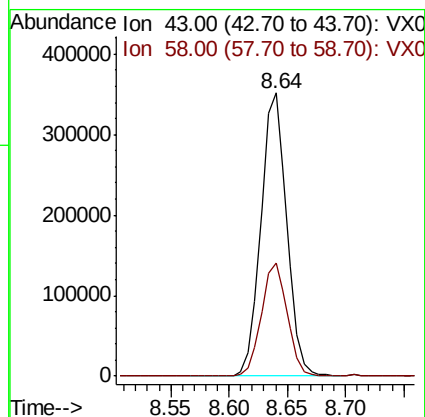
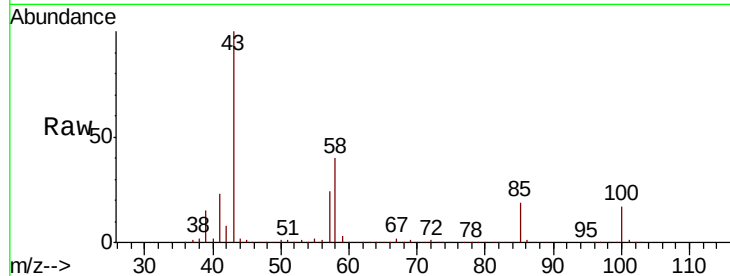
58 40.0 32.3 48.5

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



#52

Toluene

Concen: 48.135 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011318.D

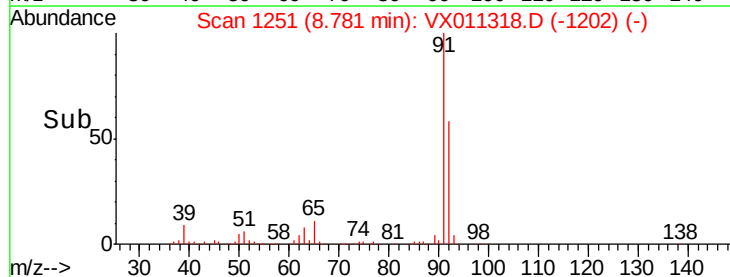
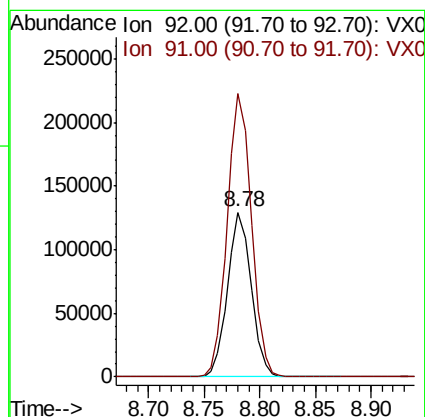
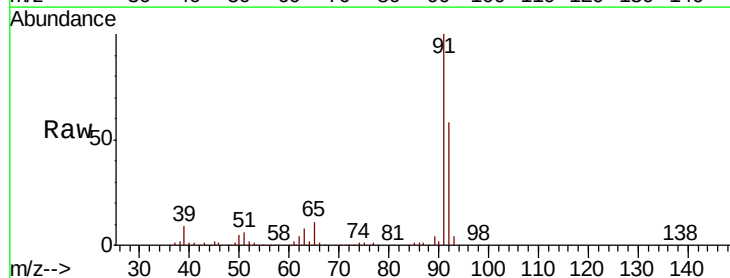
Acq: 02 Aug 2019 20:24

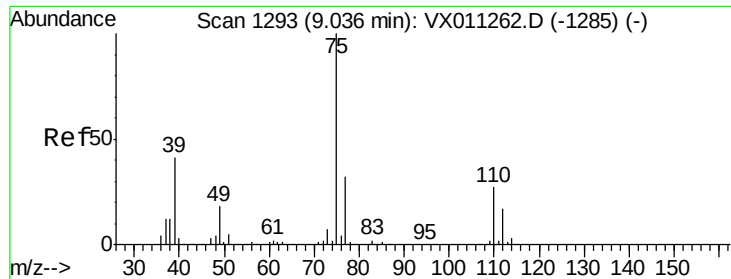
Tgt Ion: 92 Resp: 191180

Ion Ratio Lower Upper

92 100

91 176.0 139.4 209.0





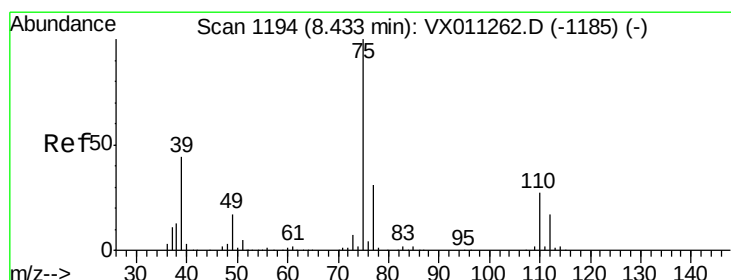
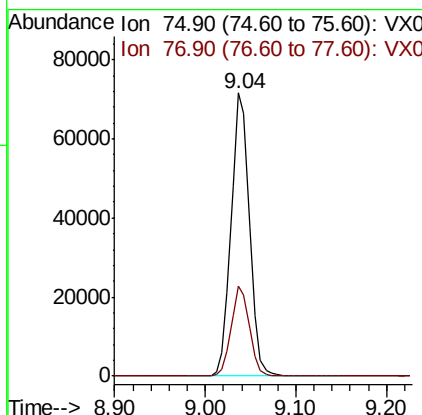
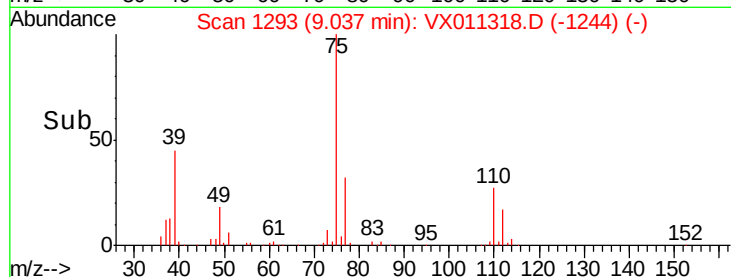
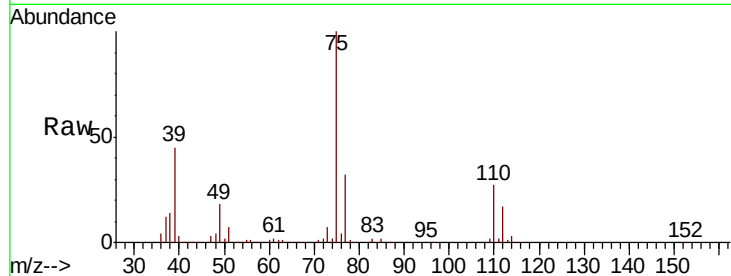
#53
 t-1,3-Dichloropropene
 Concen: 45.275 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0

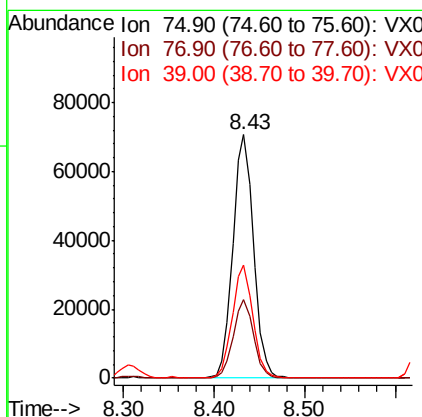
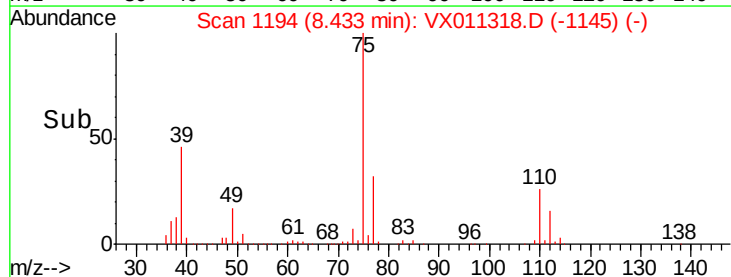
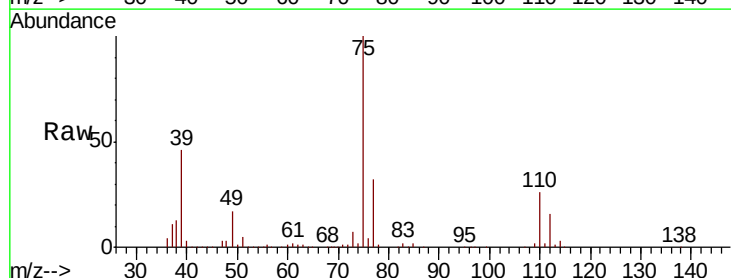
Manual Integrations
 APPROVED

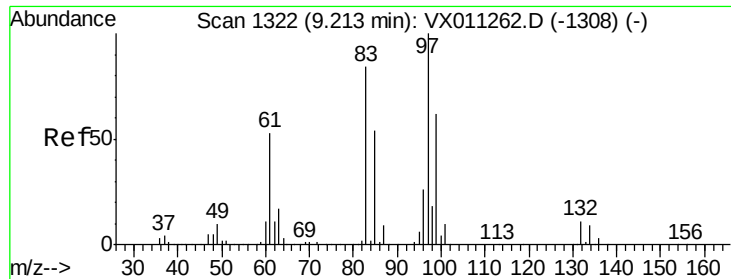
MMDadoda
 8/6/2019 12:11:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.734 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.6
39	46.1	35.3	52.9





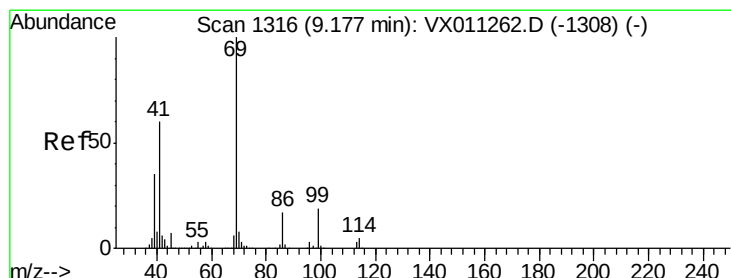
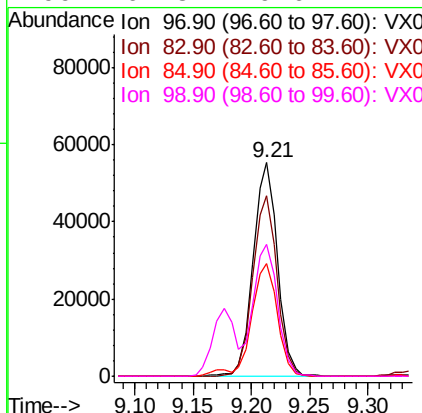
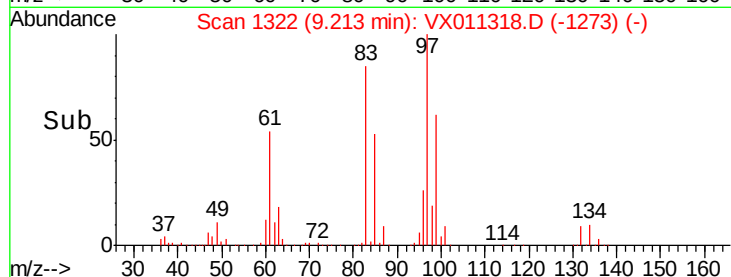
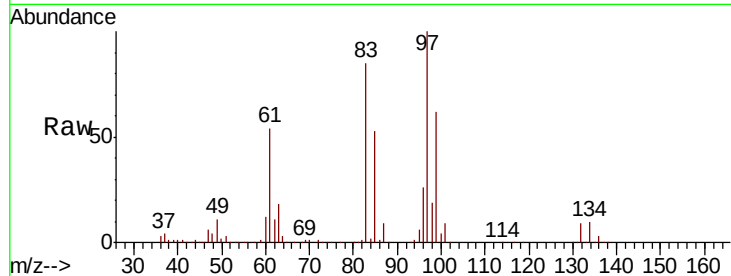
#55
 1,1,2-Trichloroethane
 Concen: 49.438 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80733		
83	84.4	67.6	101.4		
85	52.8	43.4	65.0		
99	61.8	49.6	74.4		

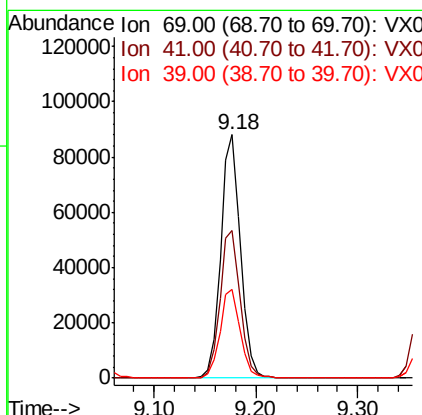
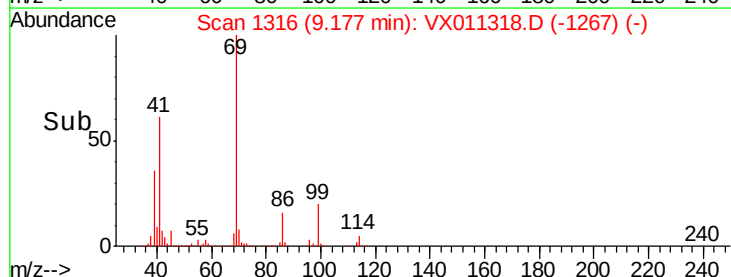
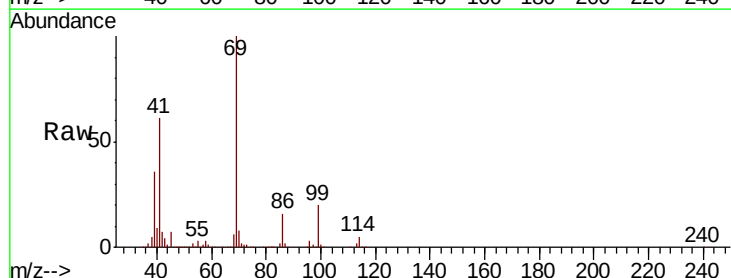
Manual Integrations
 APPROVED

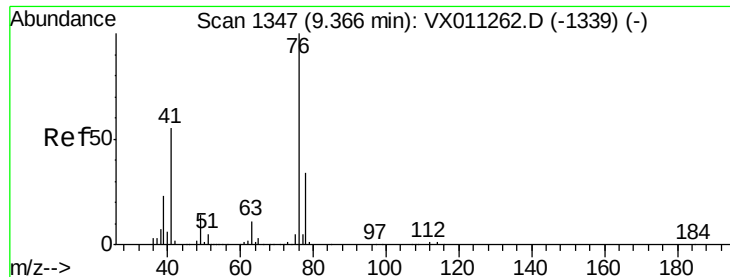
MMDadoda
 8/6/2019 12:11:18 PM



#56
 Ethyl methacrylate
 Concen: 50.921 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		118501		
41	62.1	48.6	73.0		
39	37.4	29.4	44.2		





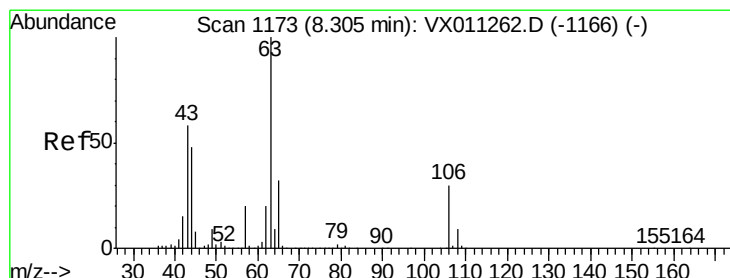
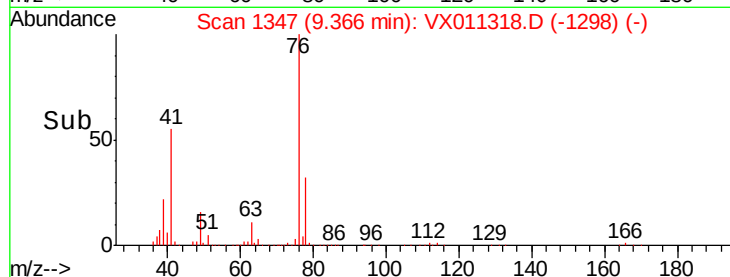
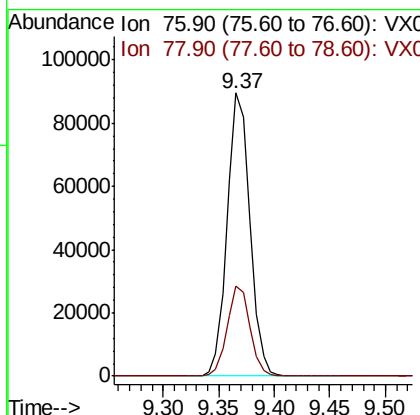
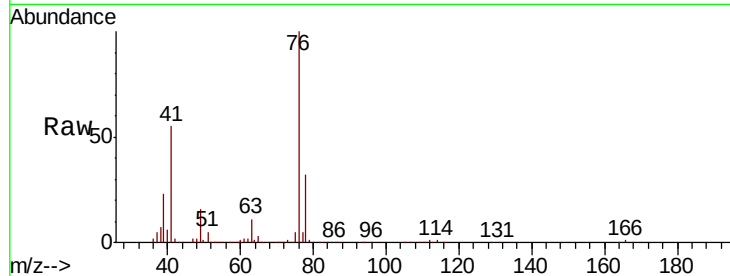
#57
 1,3-Dichloropropane
 Concen: 49.007 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.6	40.0

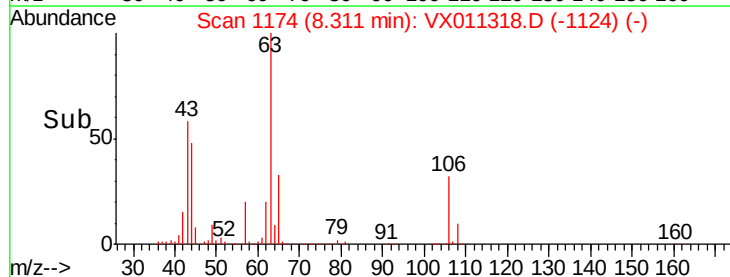
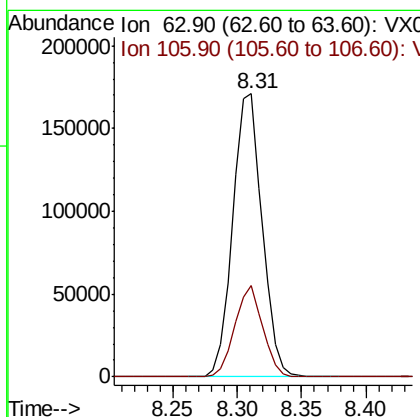
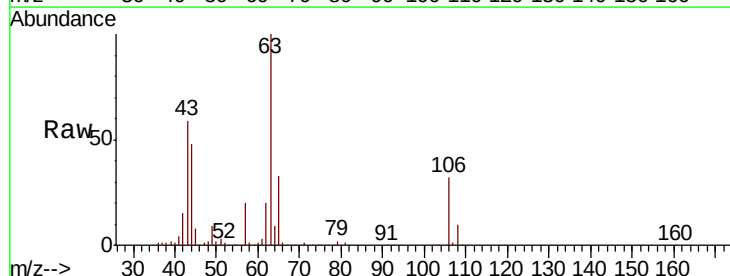
Manual Integrations
 APPROVED

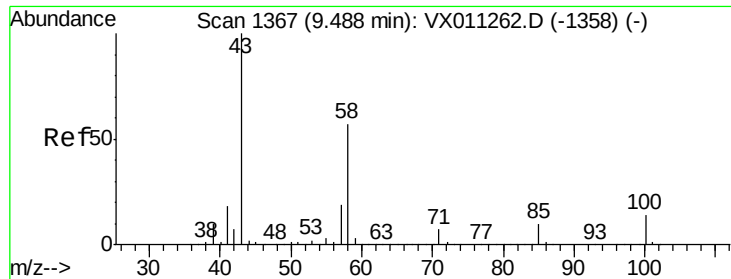
MMDadoda
 8/6/2019 12:11:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.246 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.4	36.6





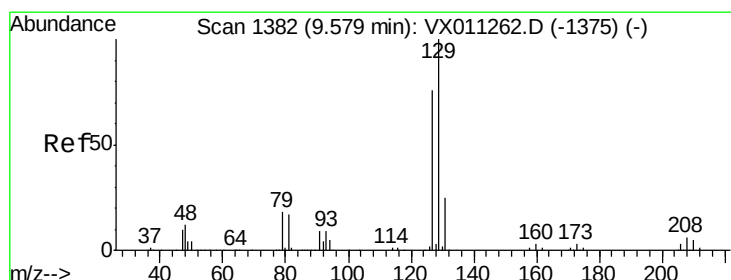
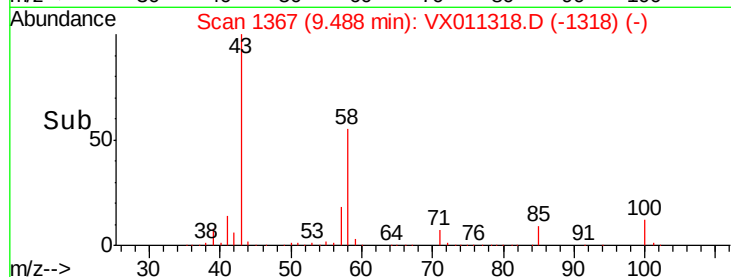
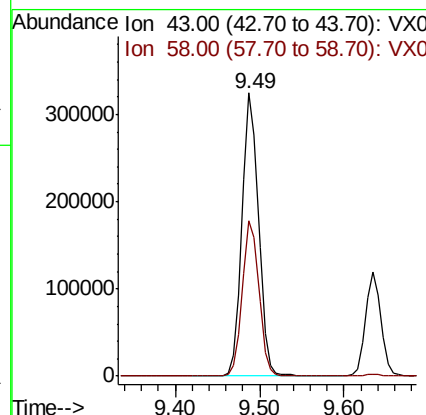
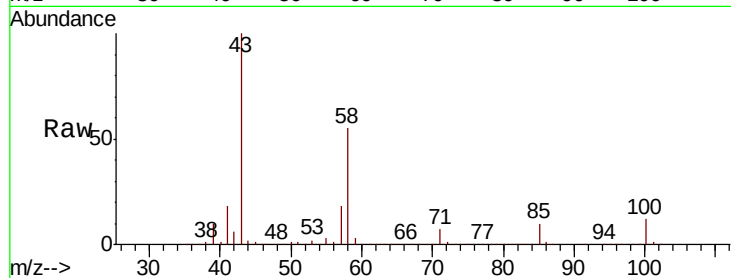
#59
2-Hexanone
Concen: 265.040 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	28.2	84.6

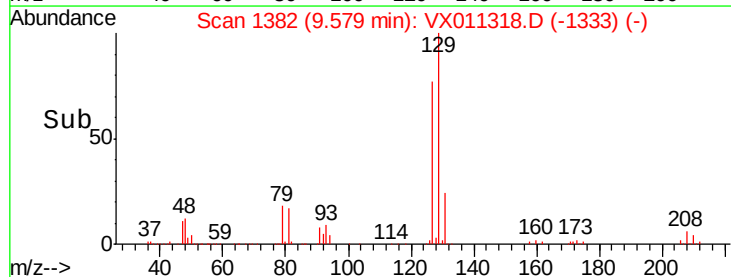
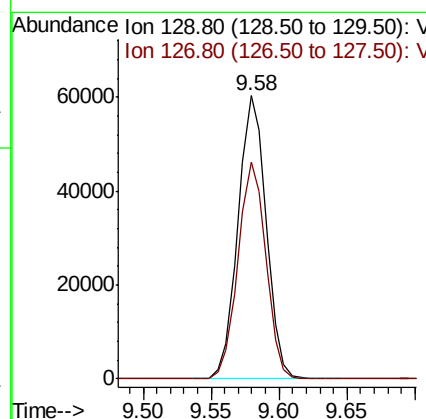
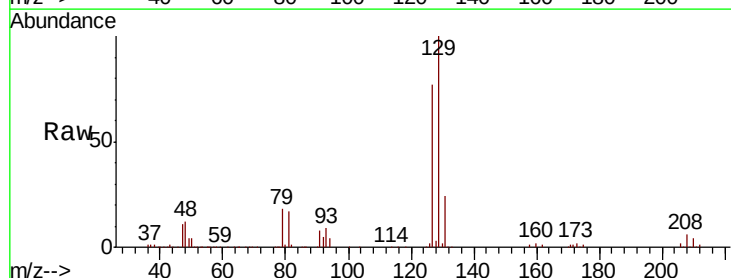
Manual Integrations
APPROVED

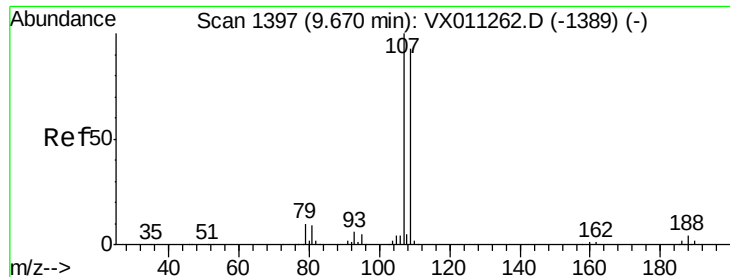
MMDadoda
8/6/2019 12:11:18 PM



#60
Dibromochloromethane
Concen: 51.922 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.2	117.6





#61

1,2-Dibromoethane

Concen: 49.045 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 86531

Ion Ratio Lower Upper

107 100

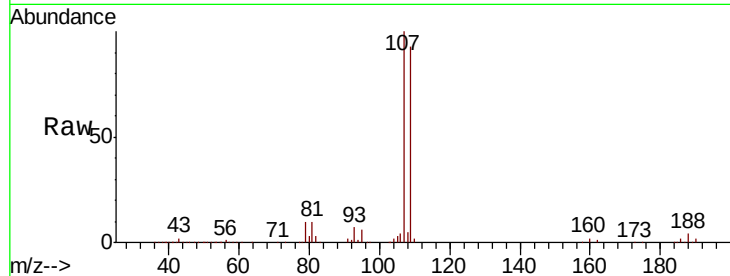
109 95.0 76.6 114.8

Manual Integrations

APPROVED

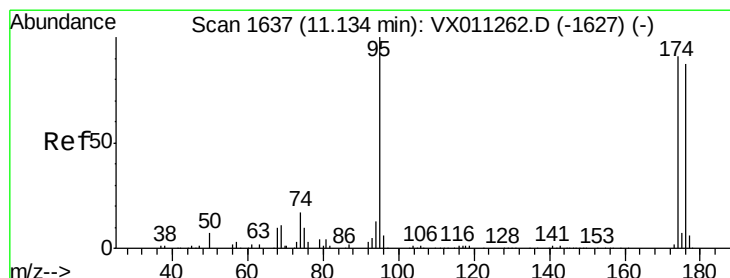
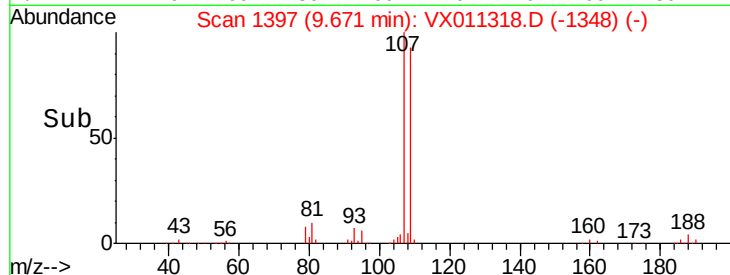
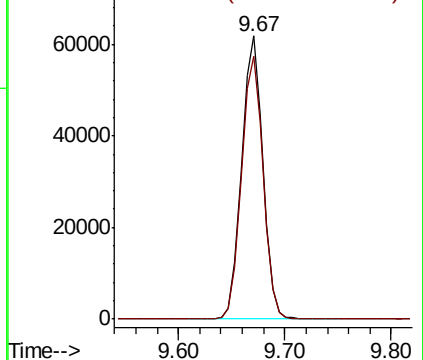
MMDadoda

8/6/2019 12:11:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

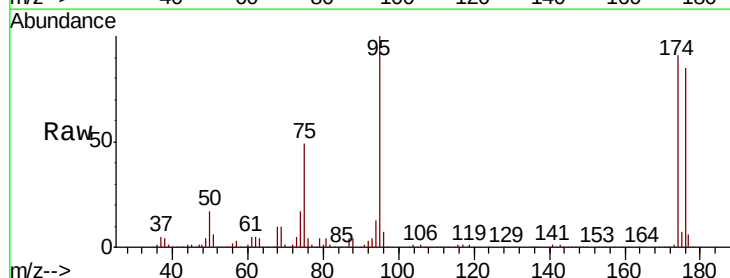
Tgt Ion: 95 Resp: 99437

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.2

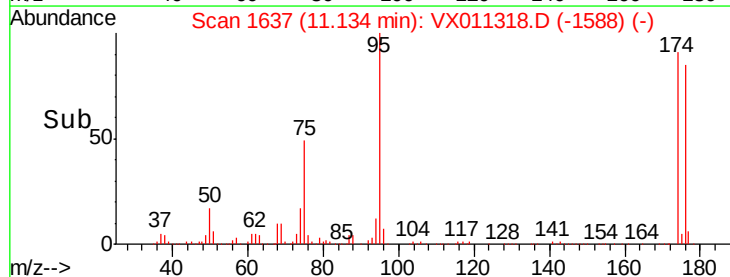
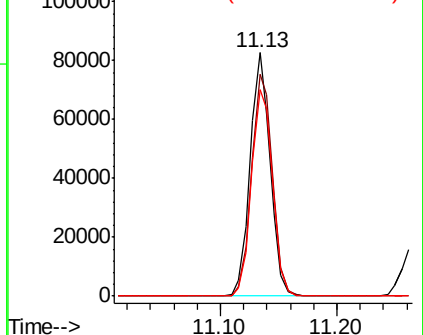
176 89.4 0.0 184.8

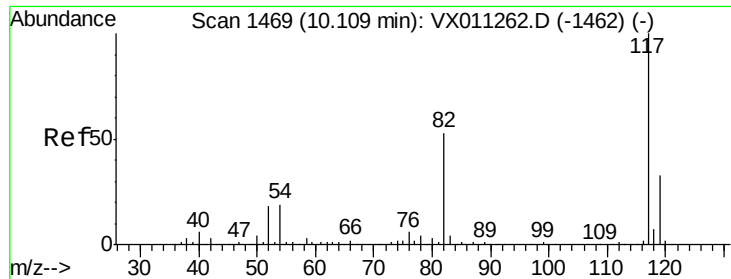


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





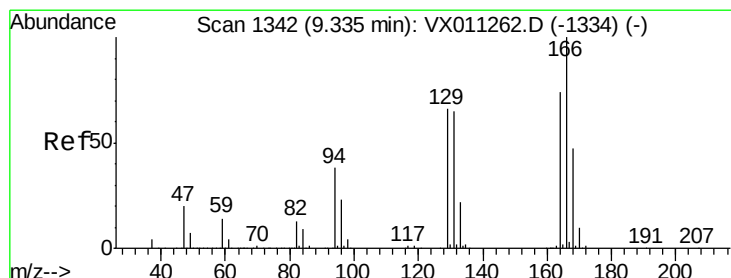
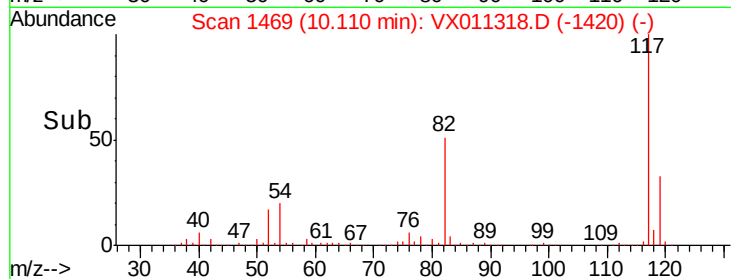
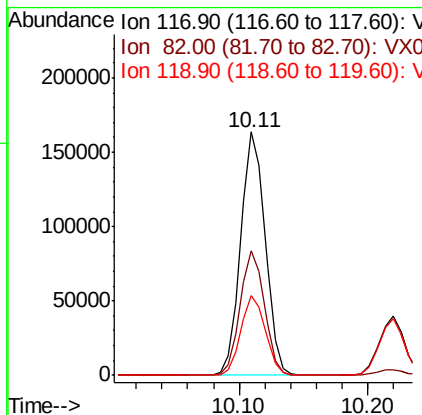
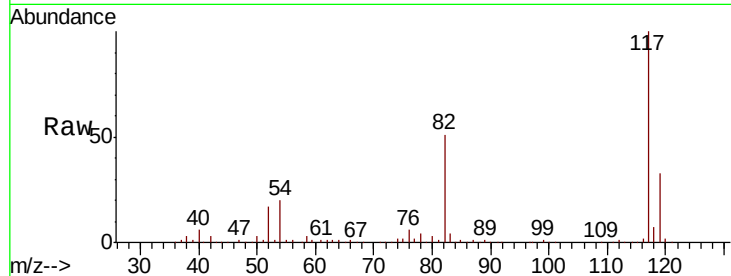
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.2
119	32.7	26.6	39.8

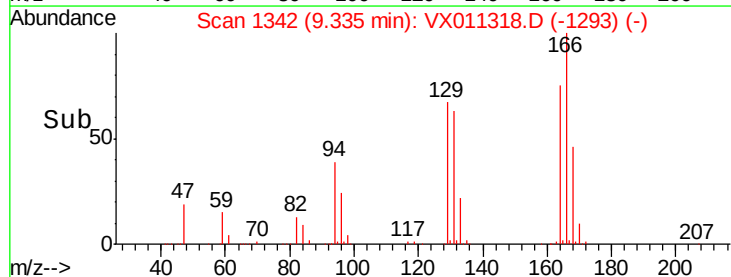
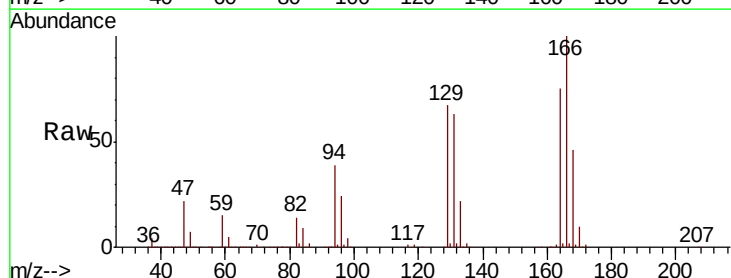
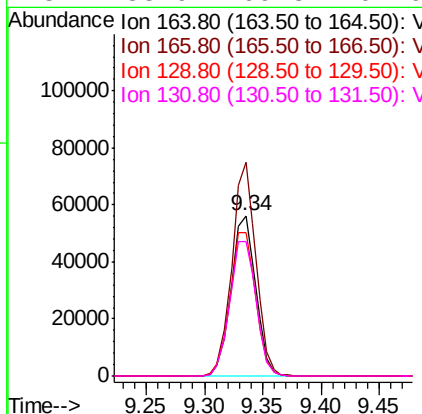
Manual Integrations
APPROVED

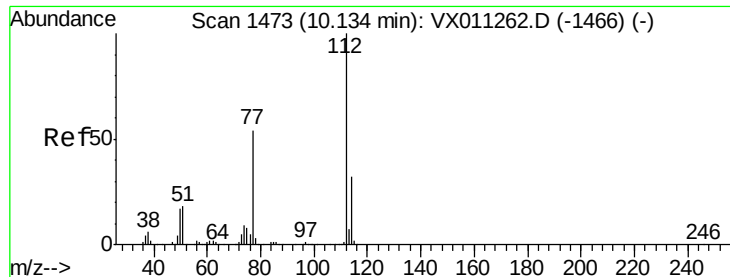
MMDadoda
8/6/2019 12:11:18 PM



#64
Tetrachloroethene
Concen: 45.394 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	107.5	161.3
129	89.2	71.0	106.4
131	83.9	69.8	104.6





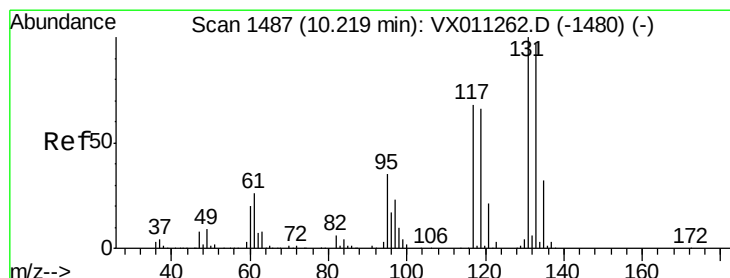
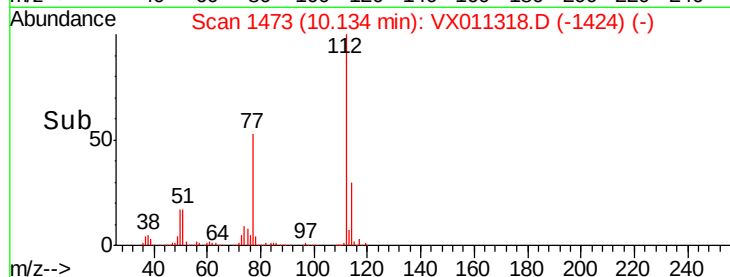
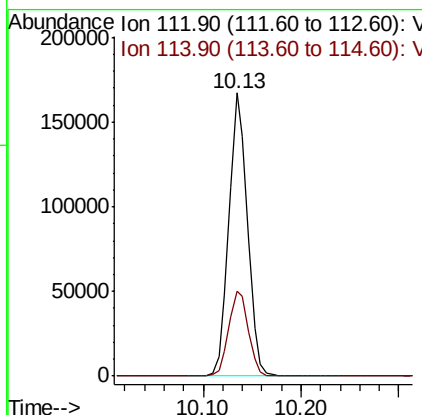
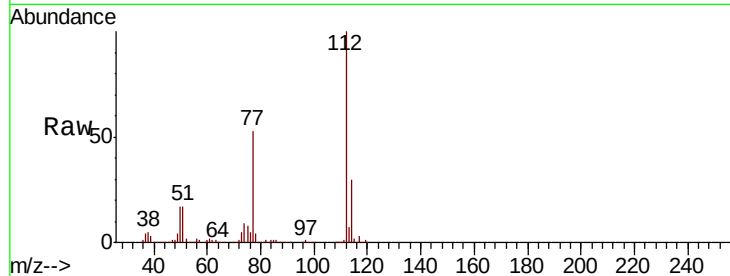
#65
Chlorobenzene
Concen: 47.608 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.9	38.9

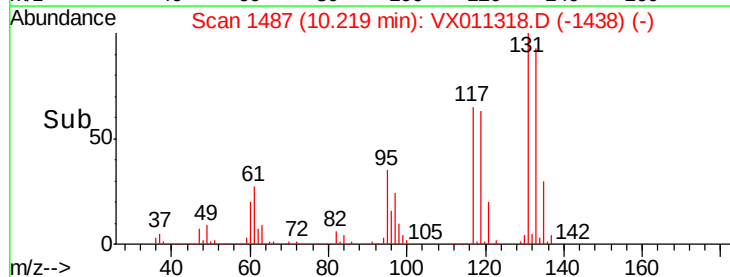
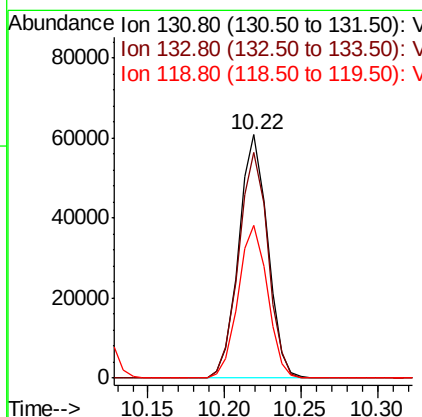
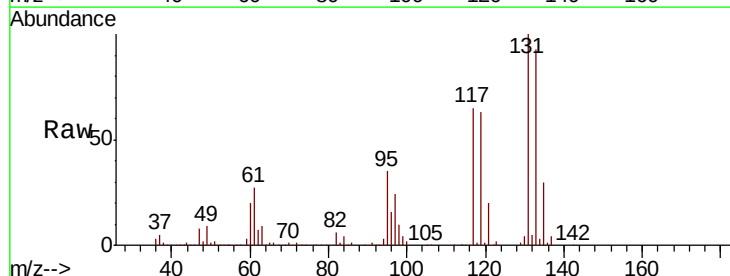
Manual Integrations
APPROVED

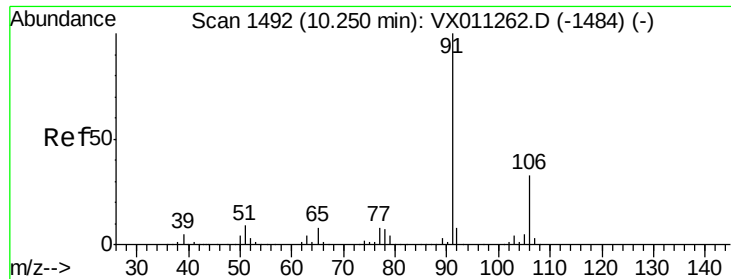
MMDadoda
8/6/2019 12:11:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.531 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.7	143.1
119	63.7	32.8	98.3





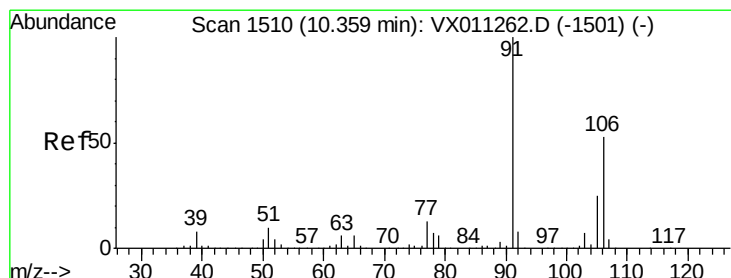
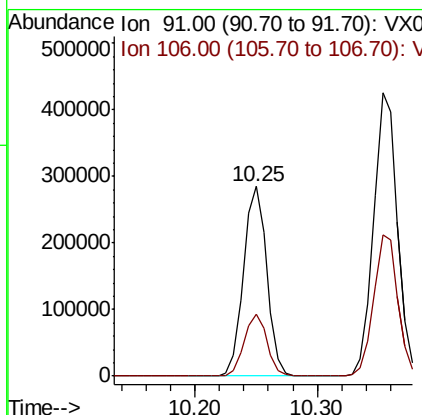
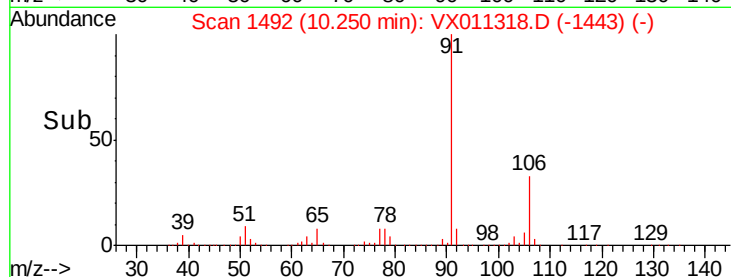
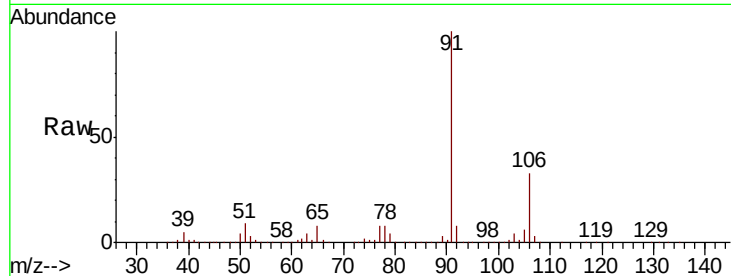
#67
Ethyl Benzene
Concen: 48.488 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 375607
Ion Ratio Lower Upper
91 100
106 32.9 26.2 39.4

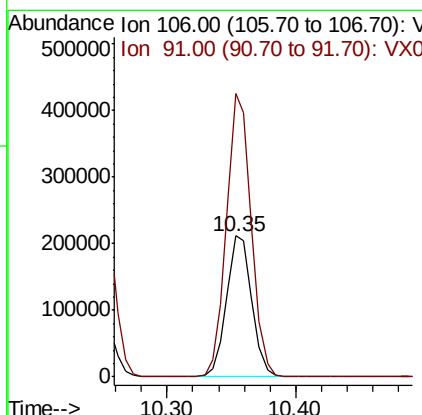
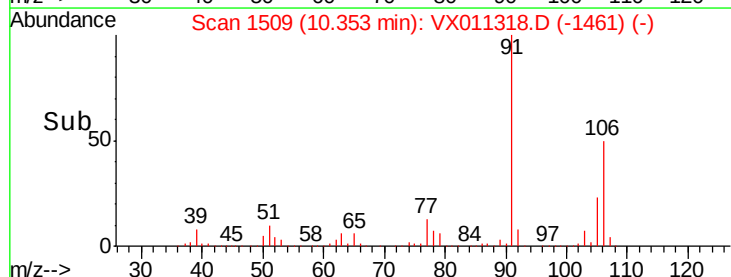
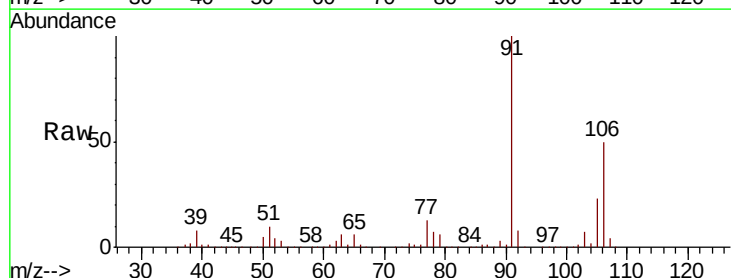
Manual Integrations
APPROVED

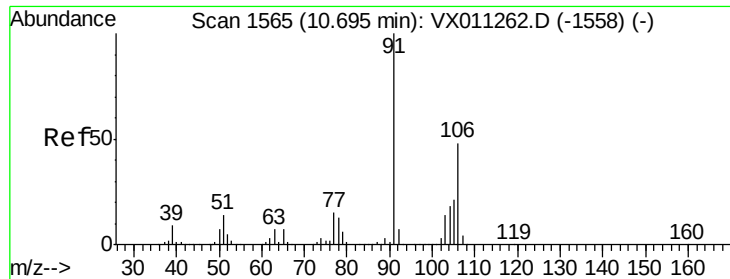
MMDadoda
8/6/2019 12:11:18 PM



#68
m/p-Xylenes
Concen: 97.346 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion: 106 Resp: 291674
Ion Ratio Lower Upper
106 100
91 197.4 155.9 233.9





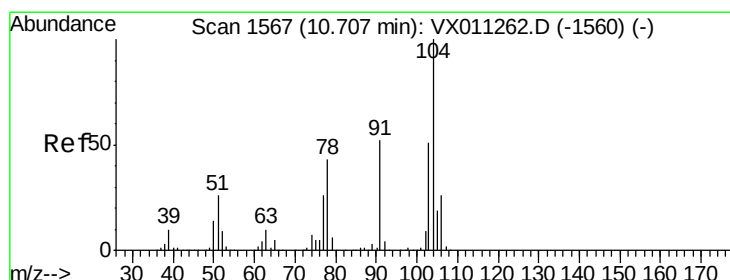
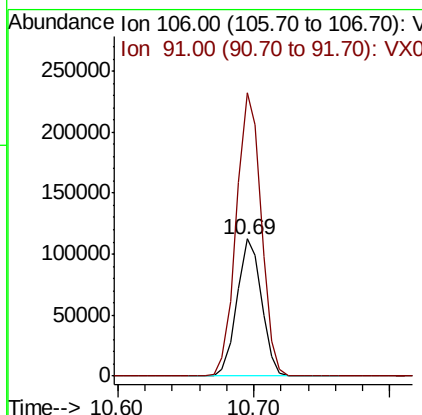
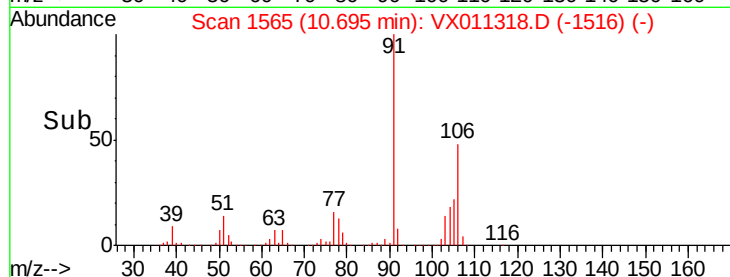
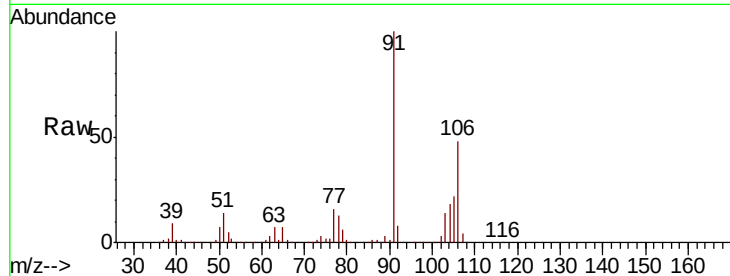
#69
o-Xylene
Concen: 48.197 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	103.8	311.3

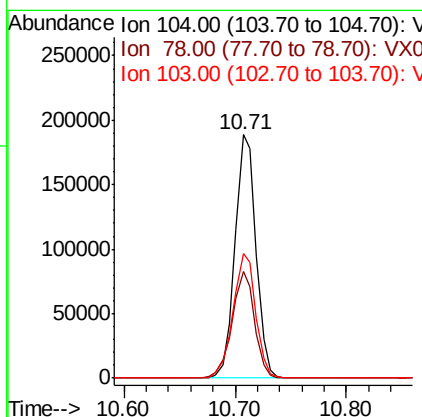
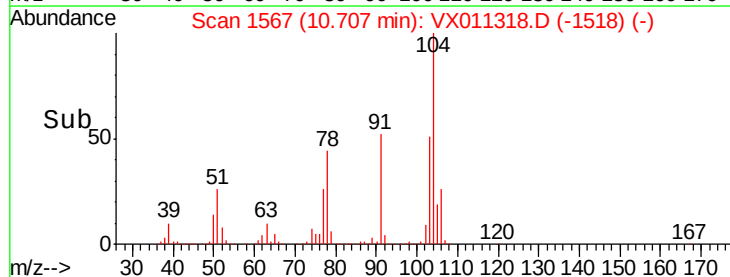
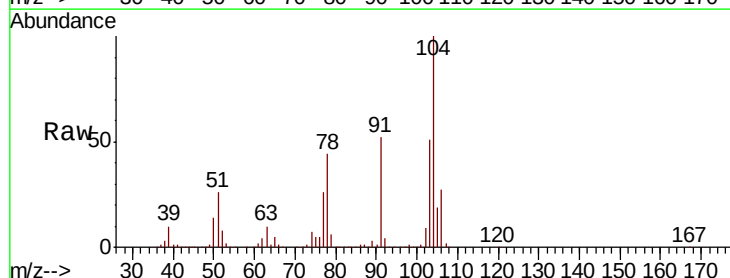
Manual Integrations
APPROVED

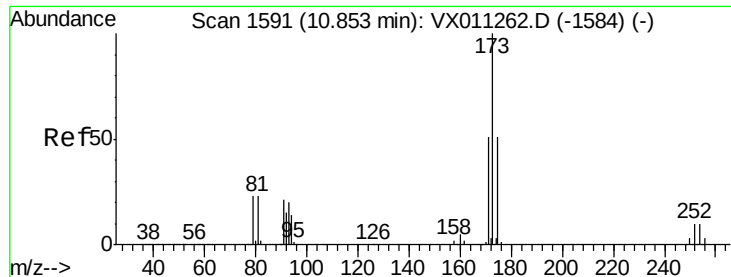
MMDadoda
8/6/2019 12:11:18 PM



#70
Styrene
Concen: 50.515 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	36.9	55.3
103	55.1	44.4	66.6





#71

Bromoform

Concen: 45.090 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 63424

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.4

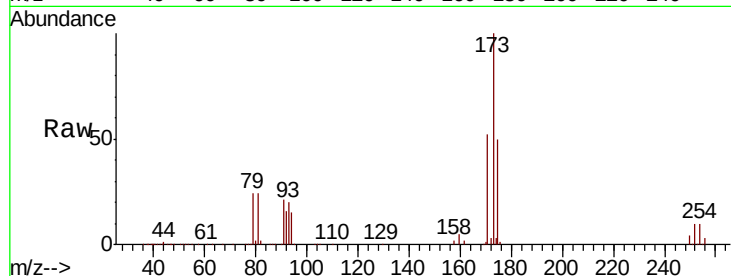
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

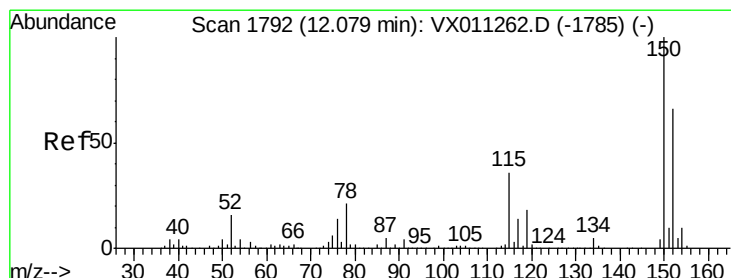
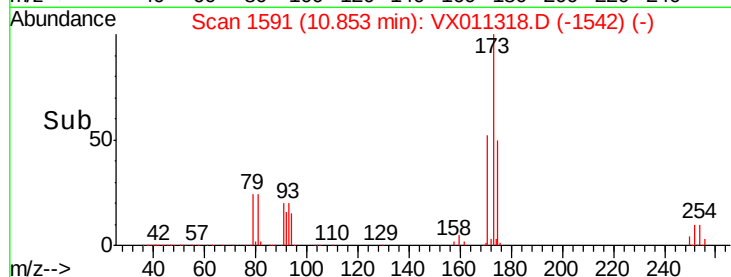
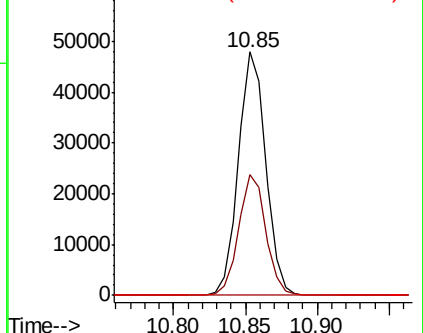
8/6/2019 12:11:18 PM



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

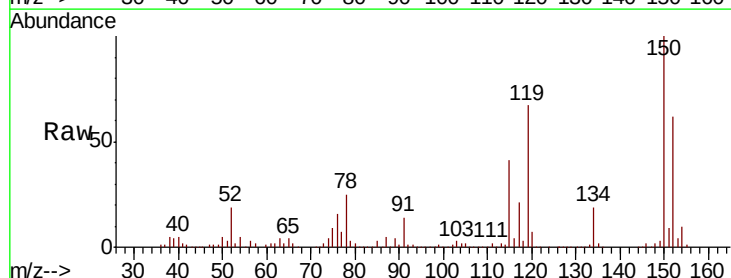
Tgt Ion:152 Resp: 117013

Ion Ratio Lower Upper

152 100

115 77.6 40.0 119.9

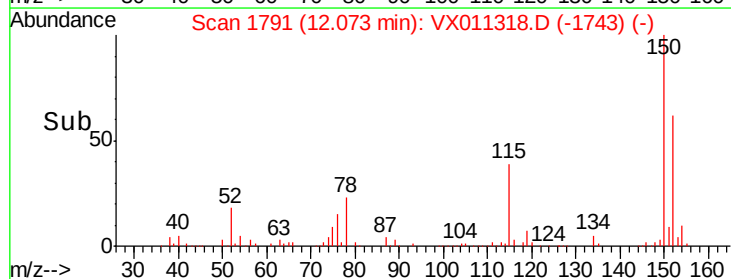
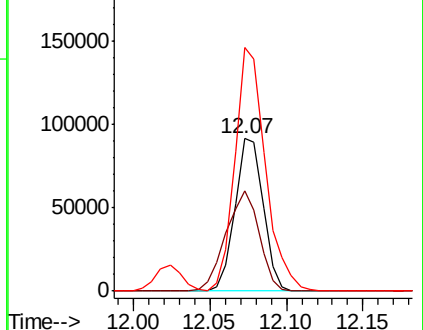
150 173.1 0.0 350.4

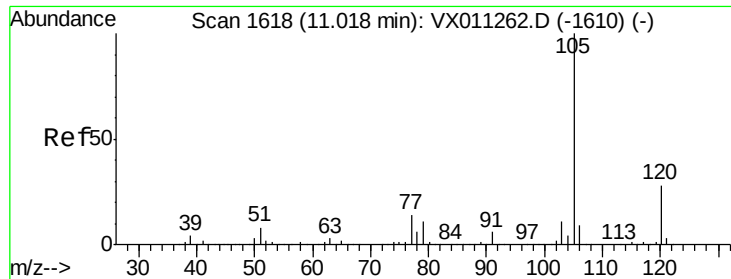


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.942 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 383672

Ion Ratio Lower Upper

105 100

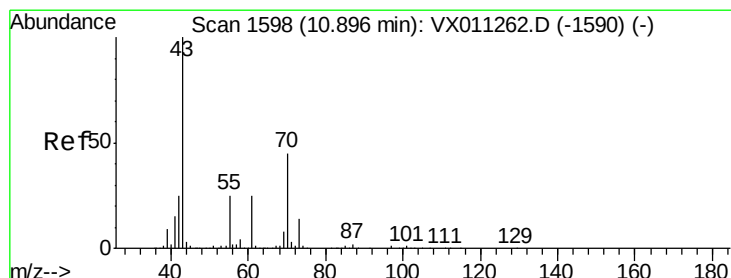
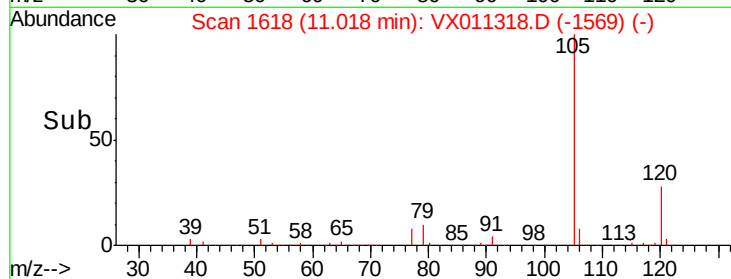
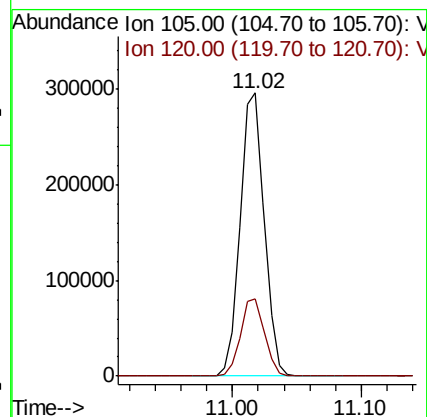
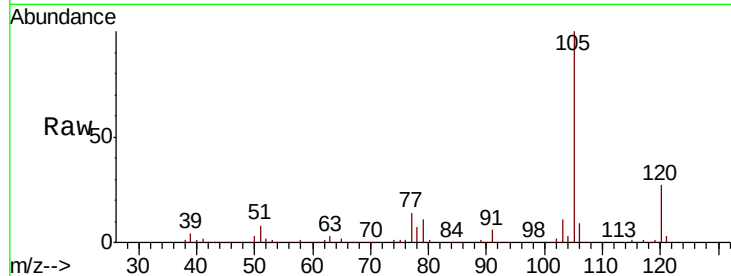
120 27.5 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



#74

N-ethyl acetate

Concen: 52.078 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion: 43 Resp: 150592

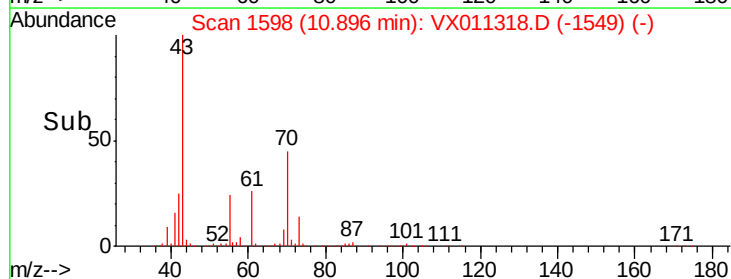
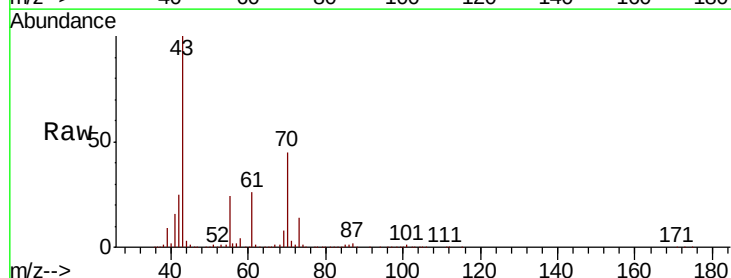
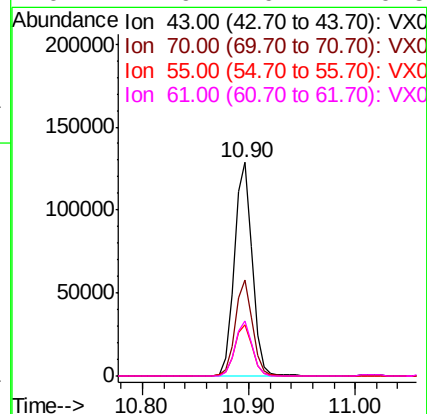
Ion Ratio Lower Upper

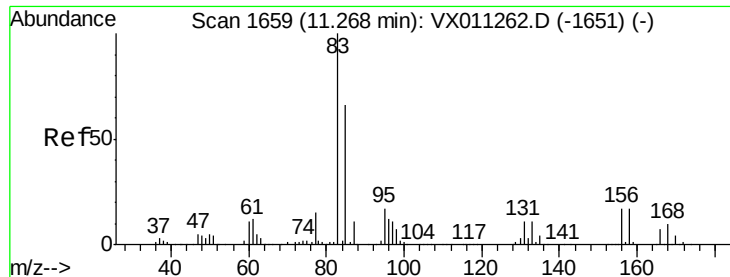
43 100

70 43.9 35.9 53.9

55 23.9 19.8 29.6

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.997 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

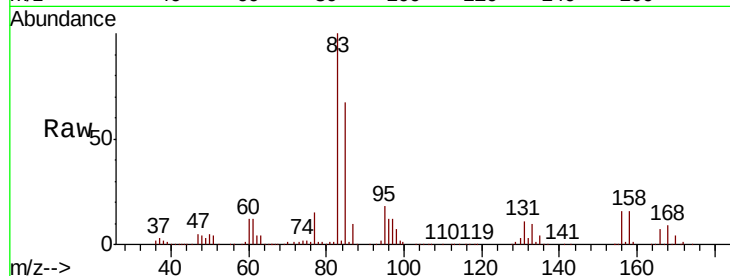
ClientSampleId :

VSTDCCC050EC

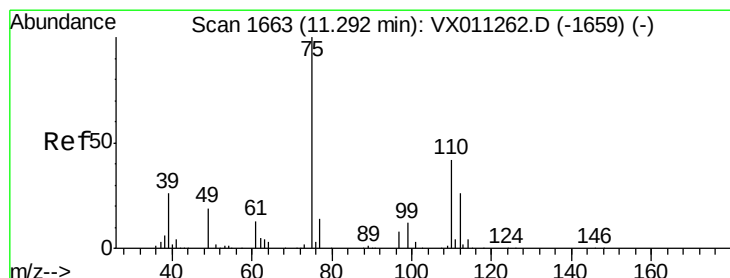
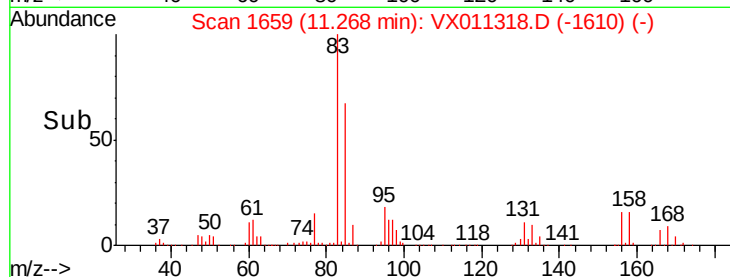
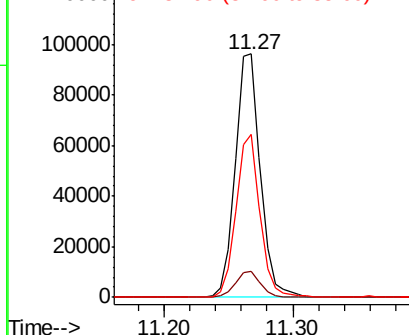
Tot Ion:	83	Resp:	130673
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	64.1	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



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: 50.704 ug/l m

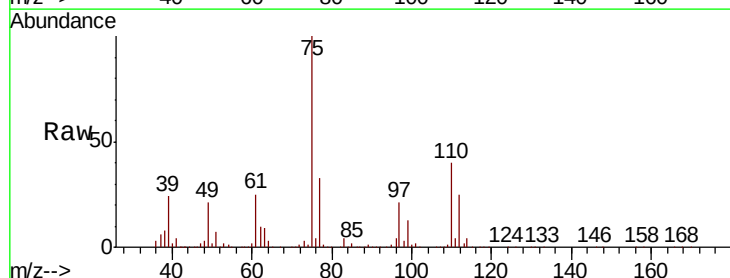
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

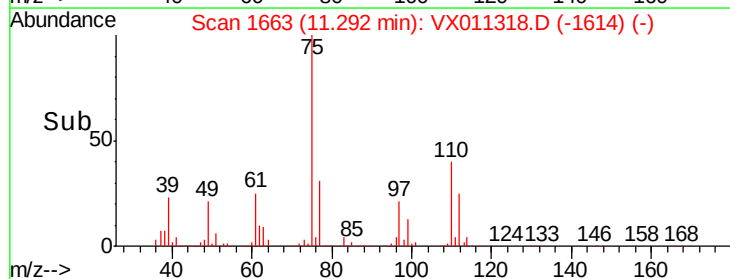
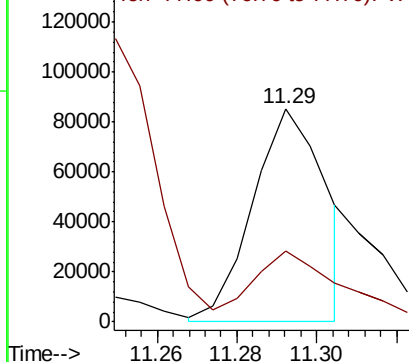
Lab File: VX011318.D

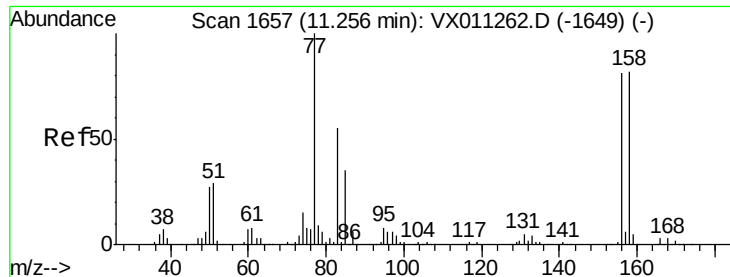
Acq: 02 Aug 2019 20:24

Tgt Ion:	75	Resp:	108048
Ion	Ratio	Lower	Upper
75	100		
77	41.0	21.1	63.4



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





#77

Bromobenzene

Concen: 47.293 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

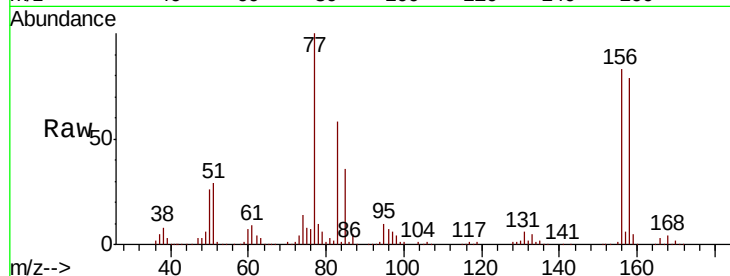
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	104951
Ion Ratio	Lower	Upper	
156	100		
77	135.2	66.2	198.6
158	97.7	49.1	147.3

Manual Integrations
APPROVED

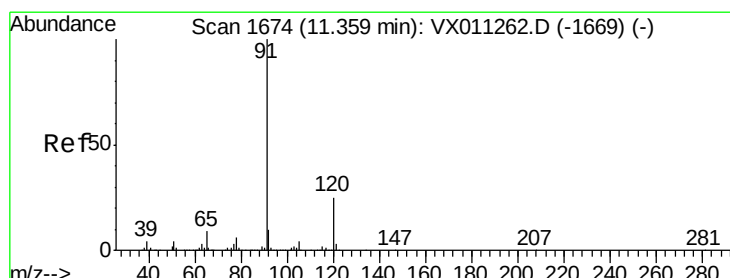
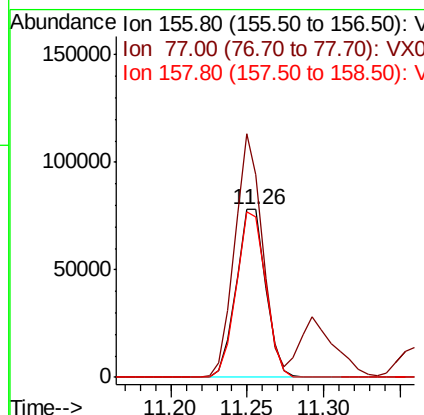
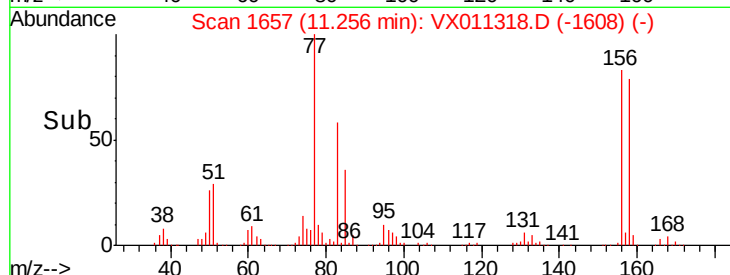
MMDadoda
8/6/2019 12:11:18 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.029 ug/l

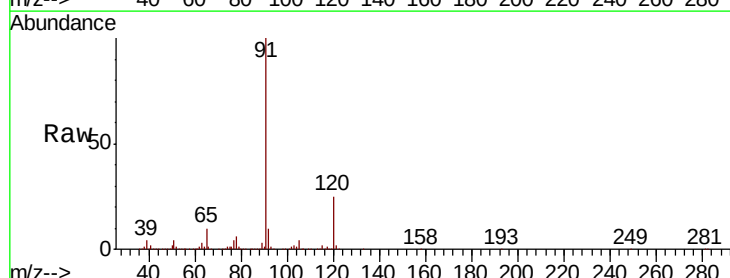
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011318.D

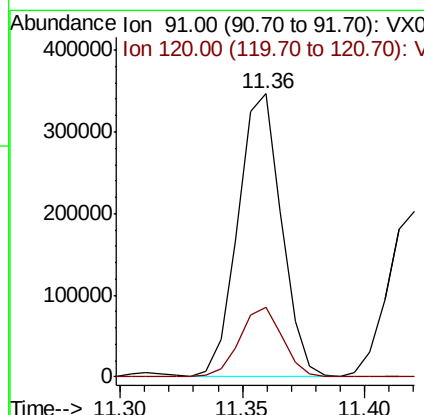
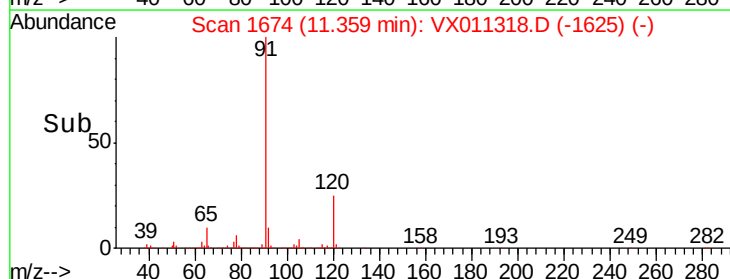
Acq: 02 Aug 2019 20:24

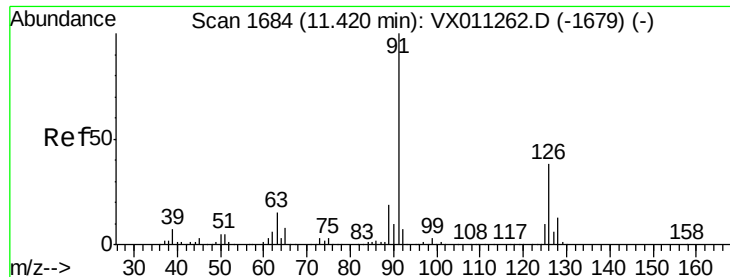
Tgt Ion:	91	Resp:	427441
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





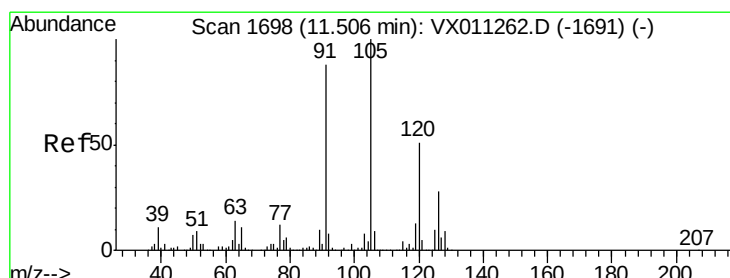
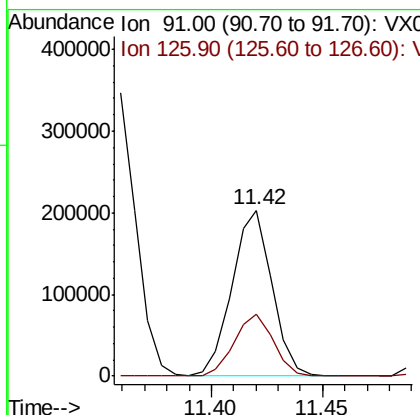
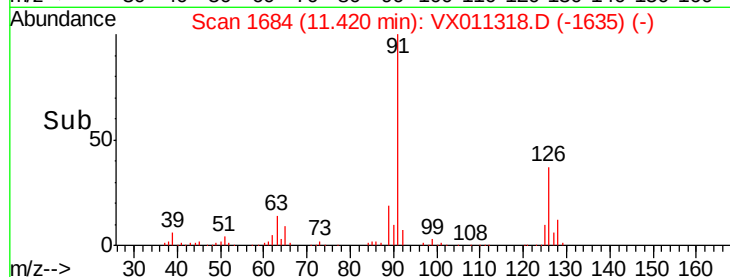
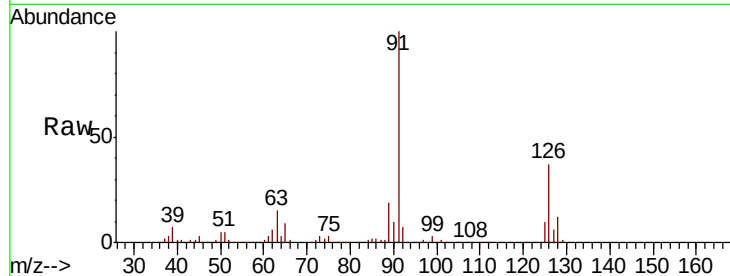
#79
 2-Chlorotoluene
 Concen: 47.460 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5

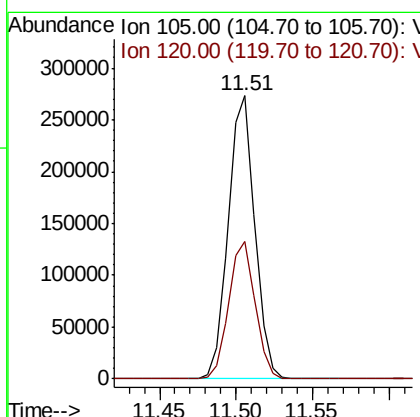
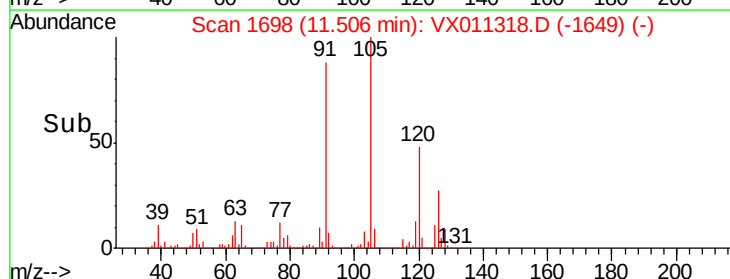
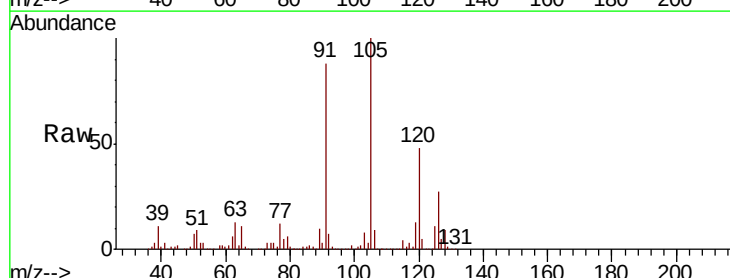
Manual Integrations
 APPROVED

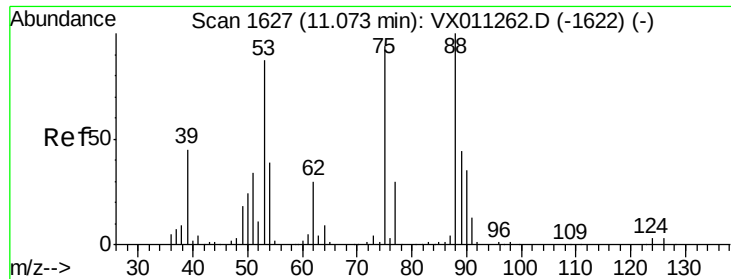
MMDadoda
 8/6/2019 12:11:18 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.805 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	25.1	75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.930 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

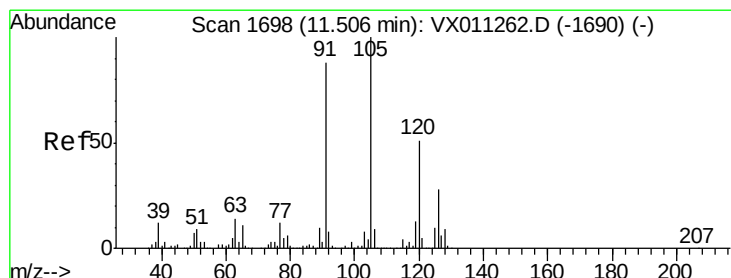
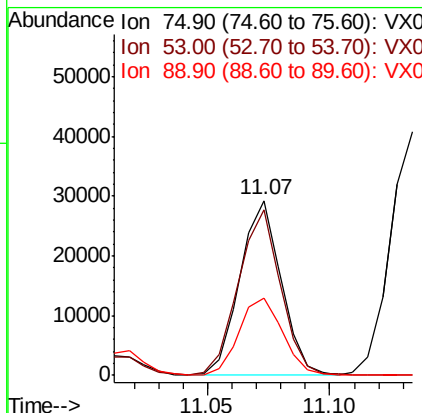
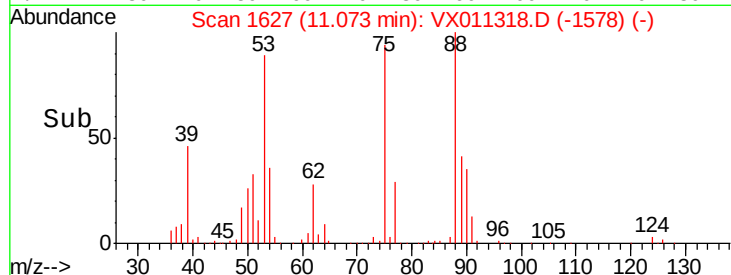
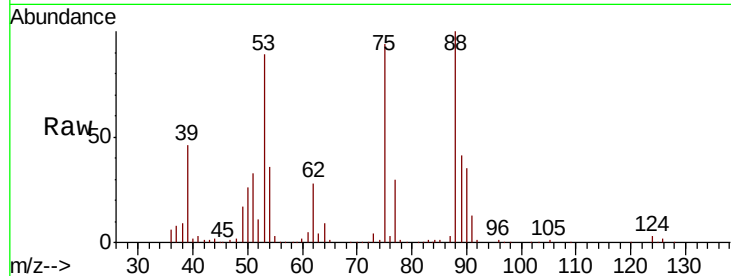
ClientSampled :

VSTDCCC050EC

Tot Ion:	75	Resp:	34575
Ion Ratio	Lower	Upper	
75	100		
53	95.9	78.2	117.4
89	46.9	37.9	56.9

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#82

4-Chlorotoluene

Concen: 48.105 ug/l

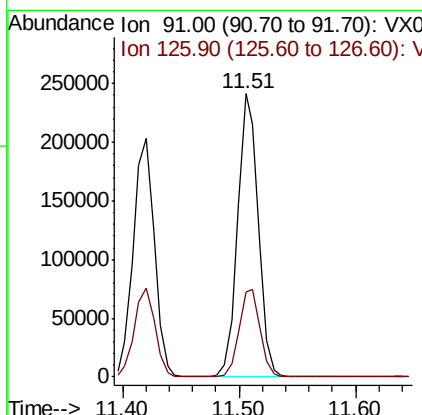
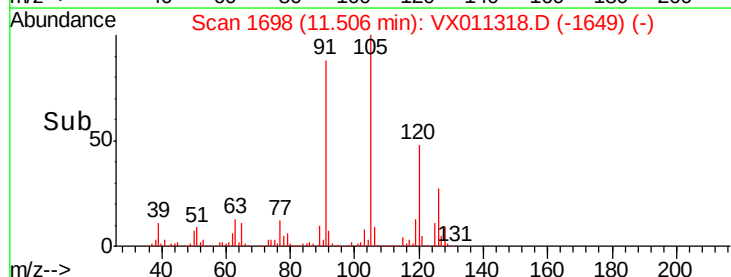
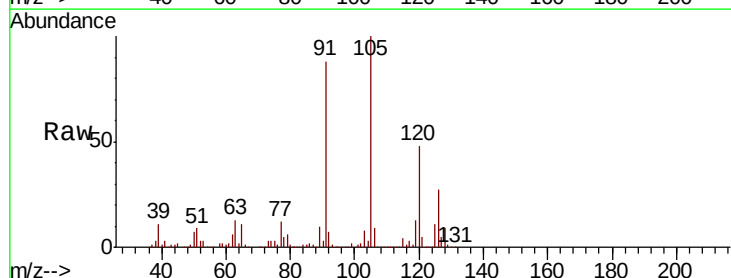
RT: 11.51 min Scan# 1698

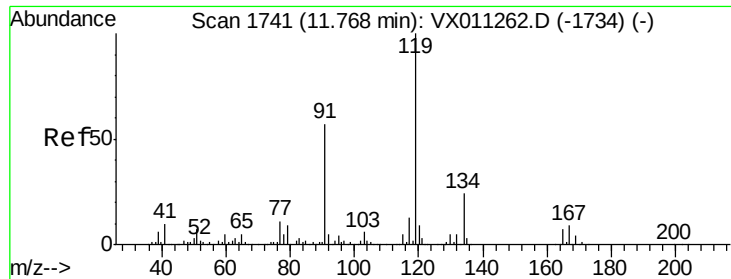
Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Tgt Ion:	91	Resp:	297384
Ion Ratio	Lower	Upper	
91	100		
126	31.8	16.4	49.2





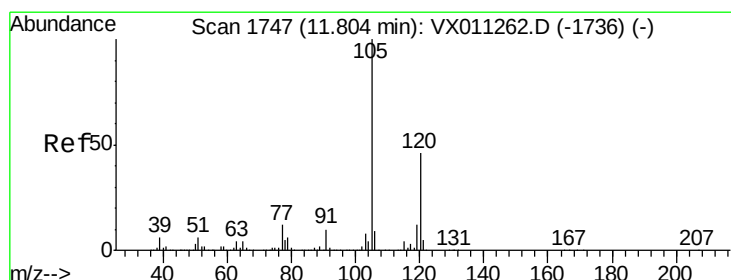
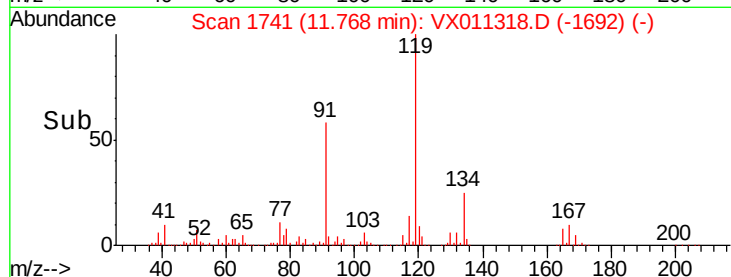
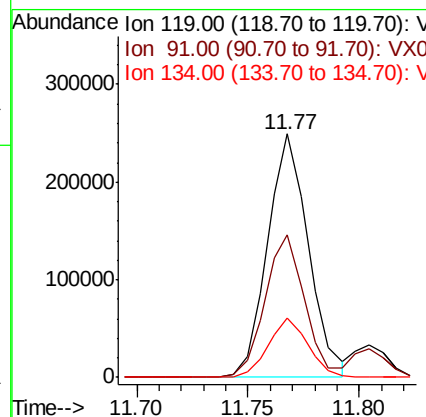
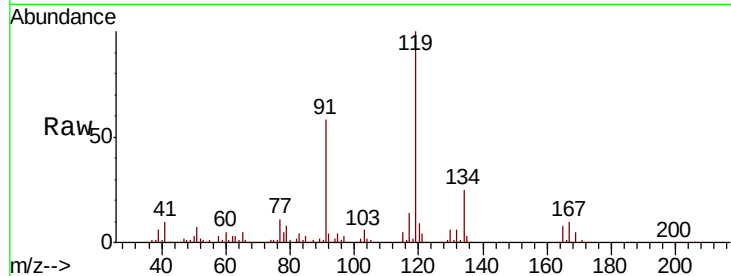
#83
 tert-Butylbenzene
 Concen: 48.342 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317626		
91	56.9		28.0	84.0
134	23.6		11.9	35.5

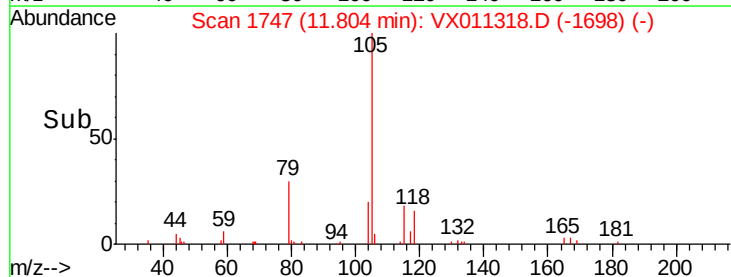
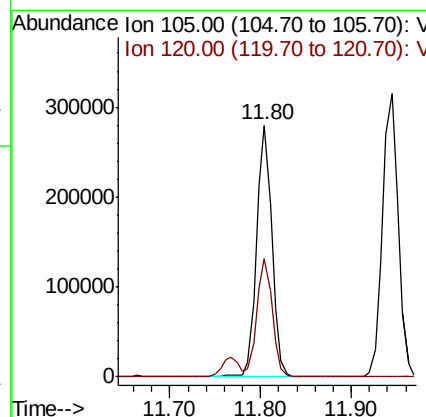
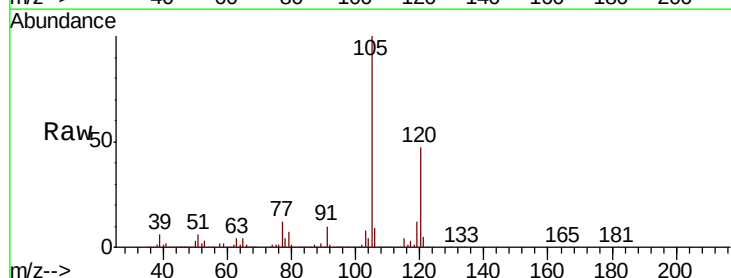
Manual Integrations
 APPROVED

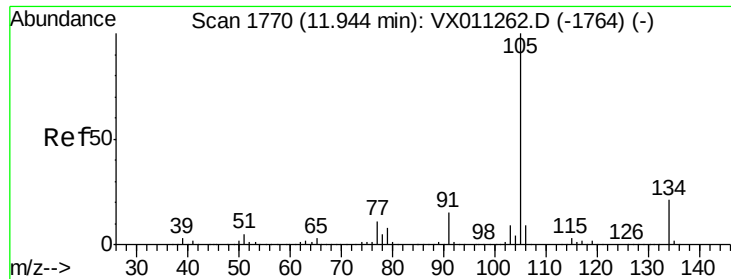
MMDadoda
 8/6/2019 12:11:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.979 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326689		
120	47.3		23.0	69.0





#85

sec-Butylbenzene

Concen: 48.178 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 380324

Ion Ratio Lower Upper

105 100

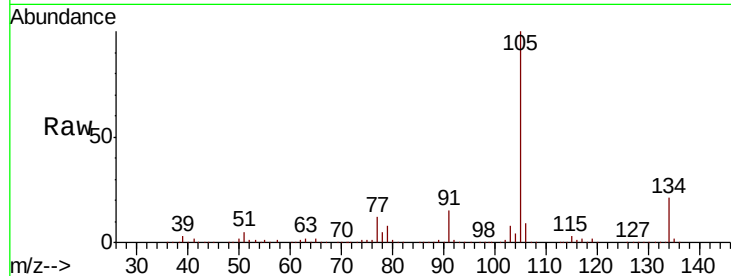
134 21.1 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

8/6/2019 12:11:18 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

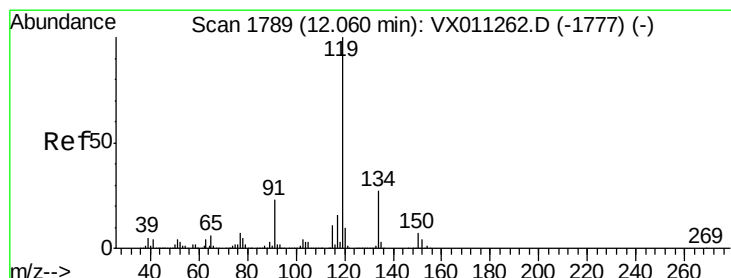
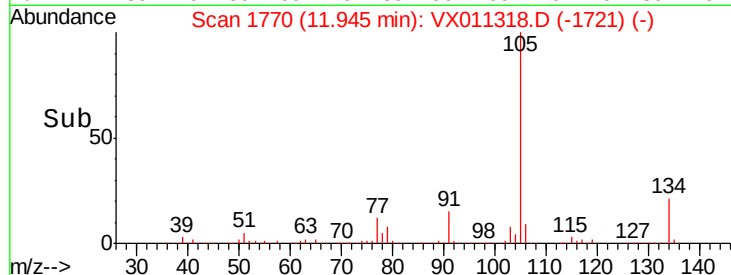
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.199 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011318.D

Acq: 02 Aug 2019 20:24

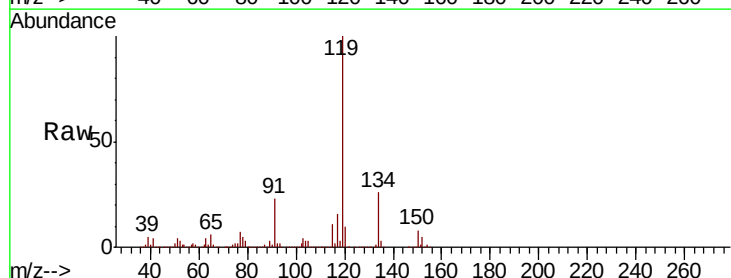
Tgt Ion:119 Resp: 350035

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

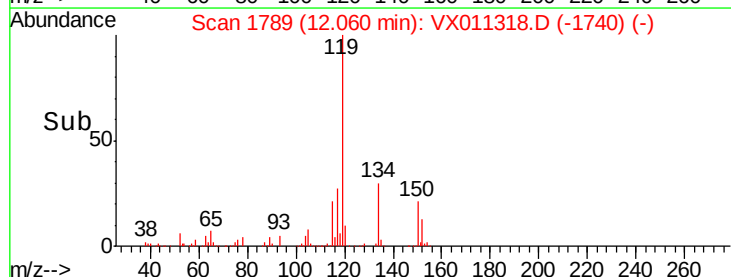
300000

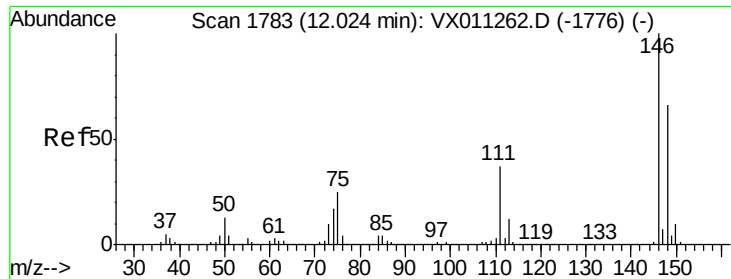
200000

100000

0

Time-->





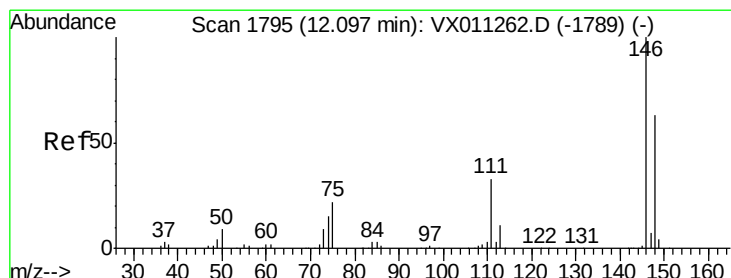
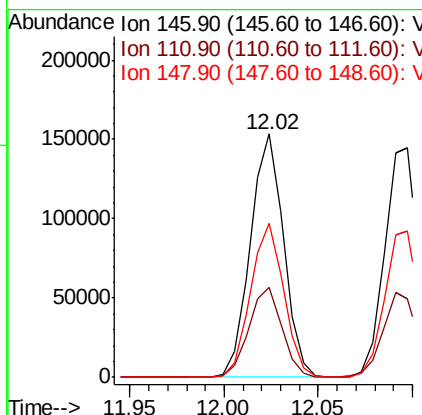
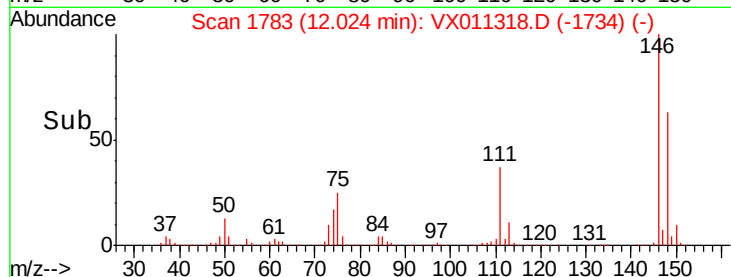
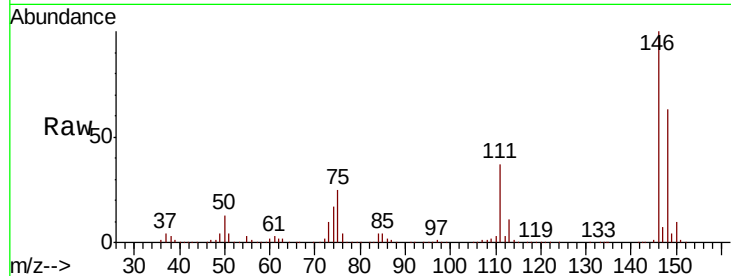
#87
 1,3-Dichlorobenzene
 Concen: 47.939 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	63.1	32.5	97.5

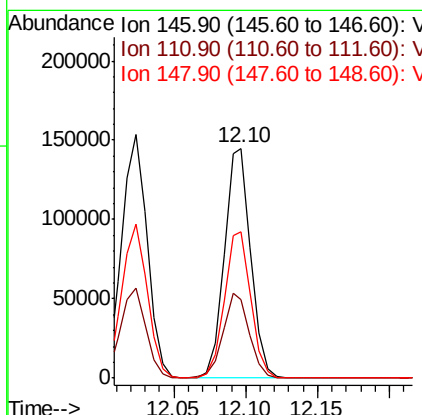
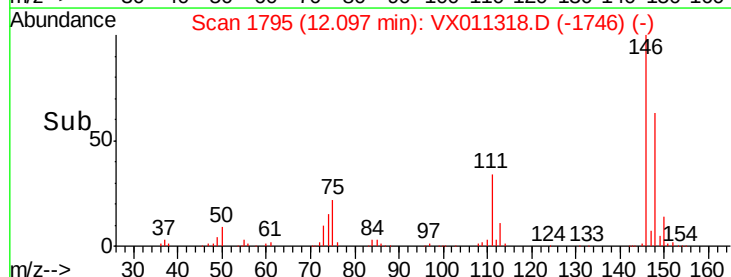
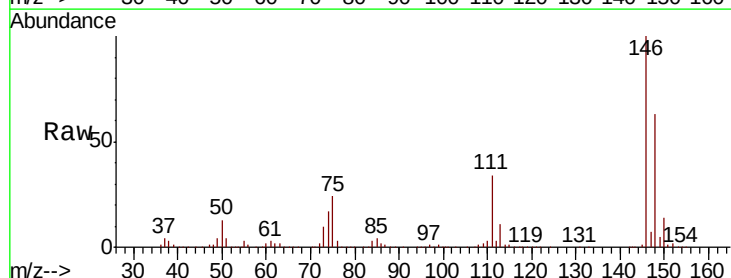
Manual Integrations
 APPROVED

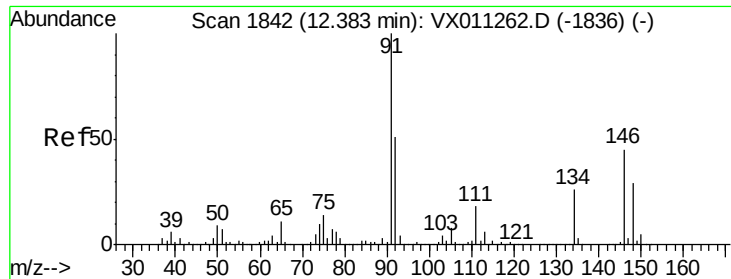
MMDadoda
 8/6/2019 12:11:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.016 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.8	53.4
148	64.2	31.8	95.3





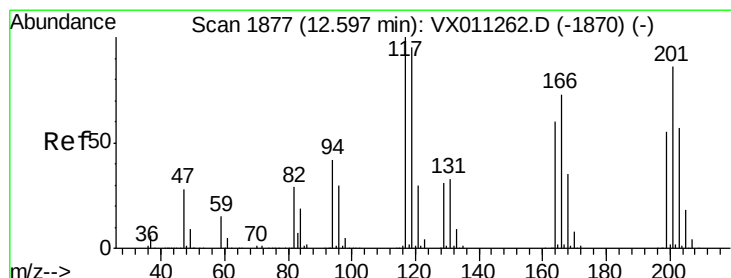
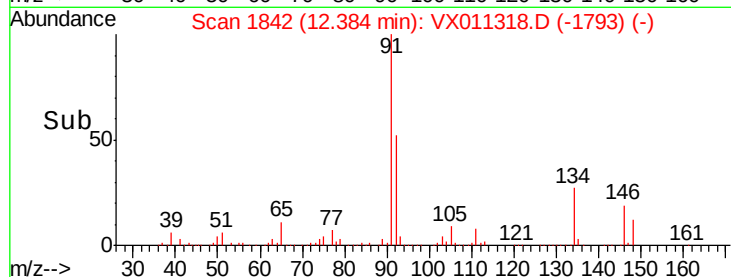
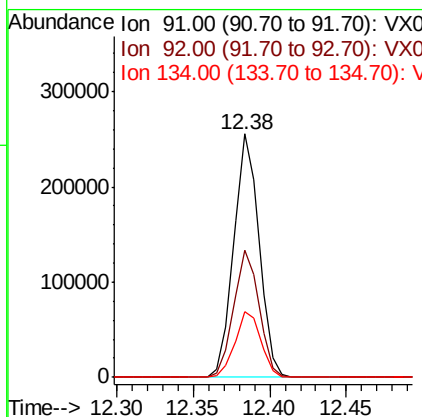
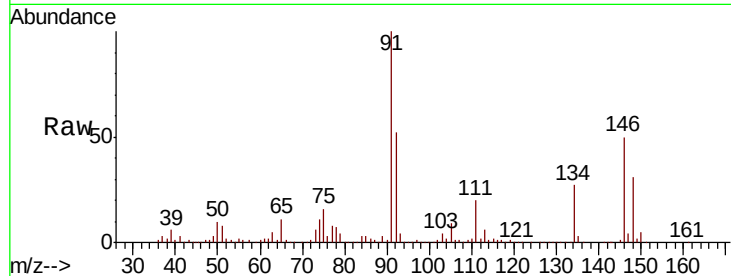
#89
n-Butylbenzene
Concen: 46.904 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		293466		
92	52.4	25.8	77.3		
134	27.6	13.7	41.0		

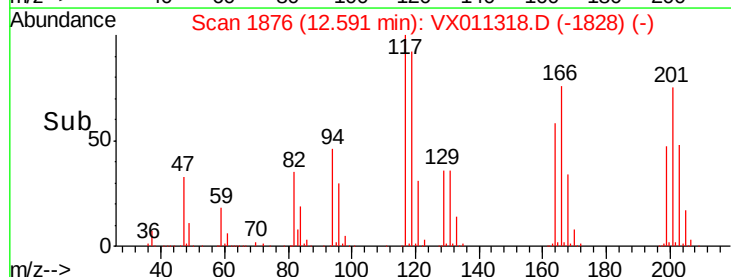
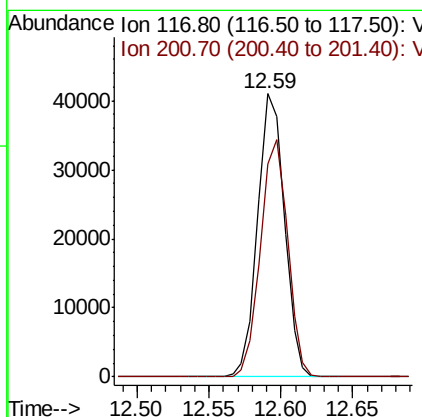
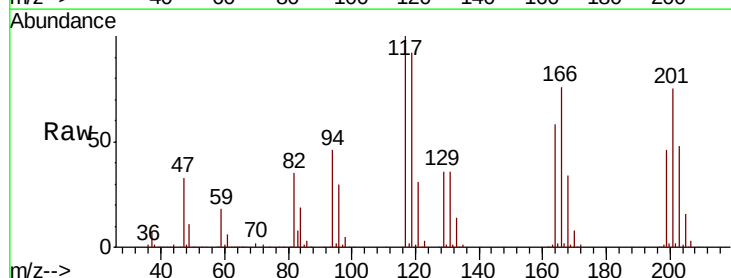
Manual Integrations
APPROVED

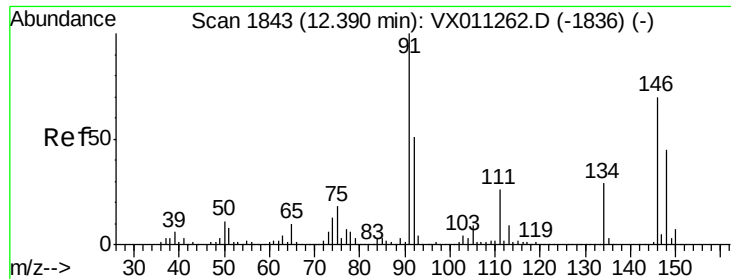
MMDadoda
8/6/2019 12:11:18 PM



#90
Hexachloroethane
Concen: 49.046 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		52660		
201	85.0	41.8	125.4		





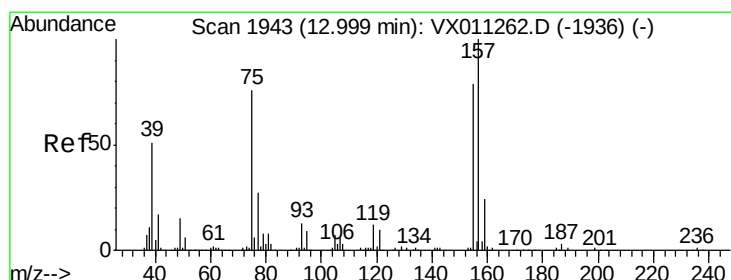
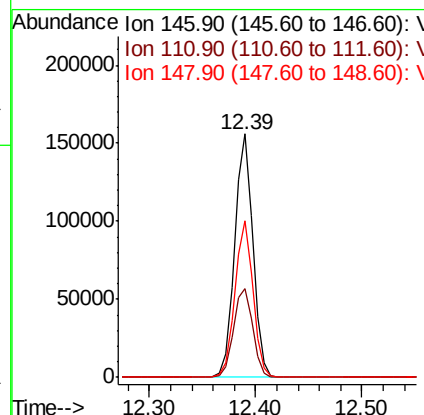
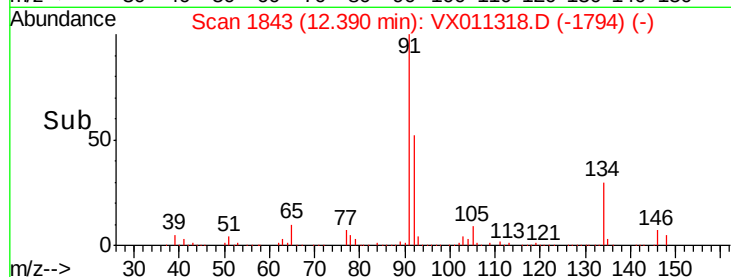
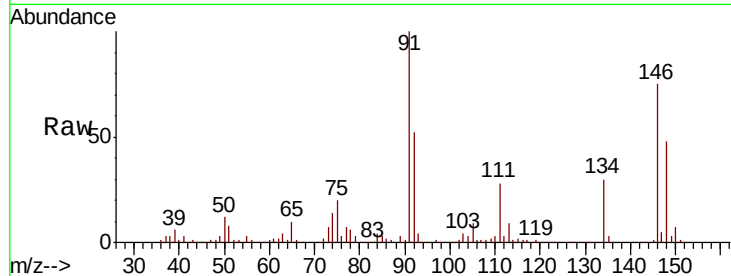
#91
 1,2-Dichlorobenzene
 Concen: 47.655 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.7	32.3	96.8

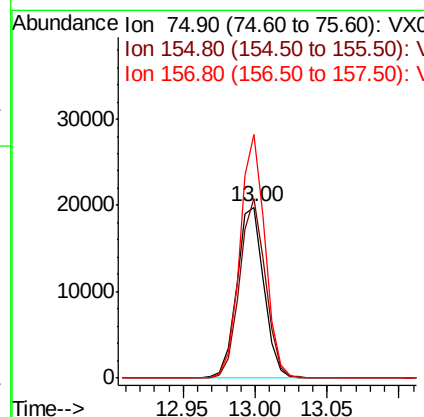
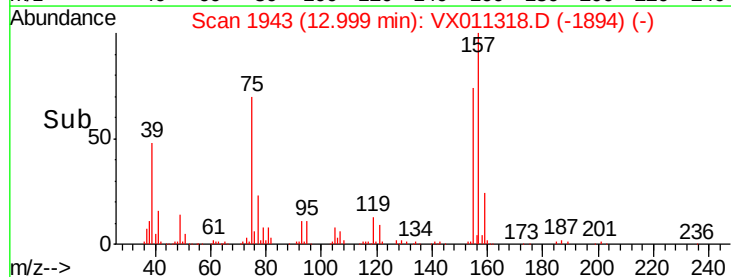
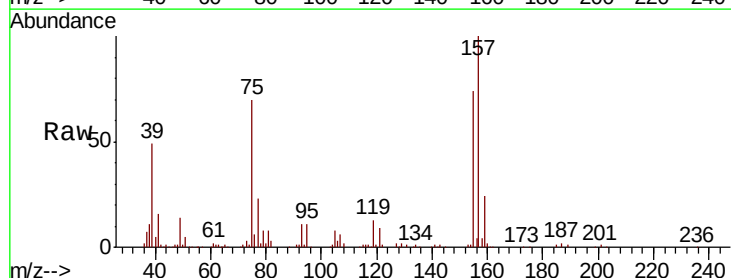
Manual Integrations
 APPROVED

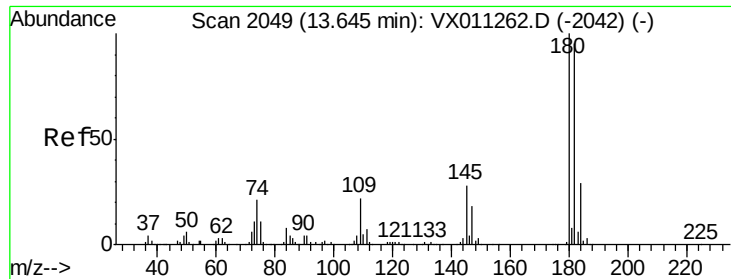
MMDadoda
 8/6/2019 12:11:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.474 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	51.9	155.8
157	131.6	64.3	192.7





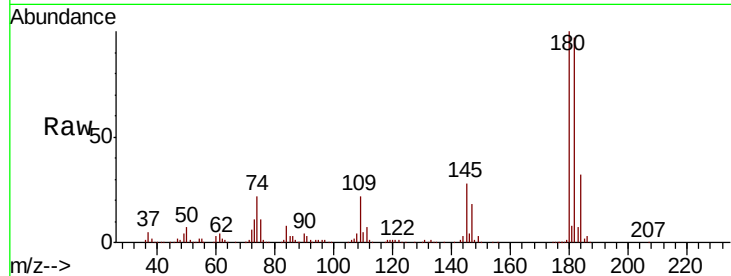
#93
 1,2,4-Trichlorobenzene
 Concen: 46.797 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.8	143.4
145	29.5	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:18 PM

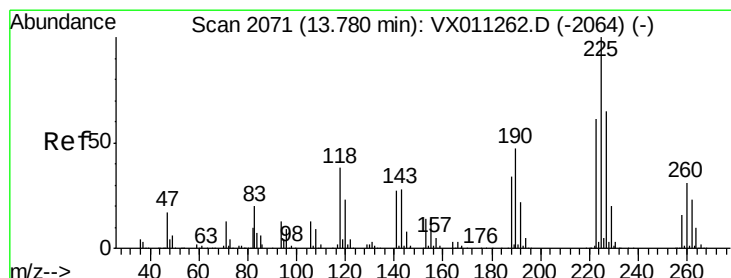
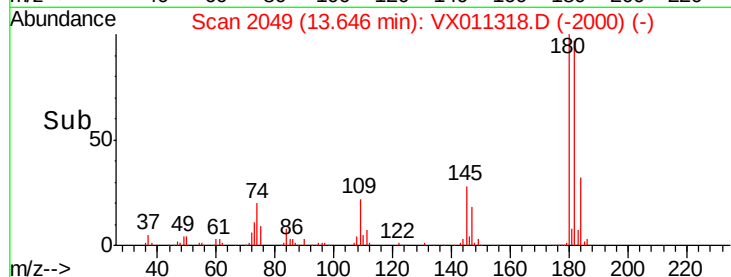
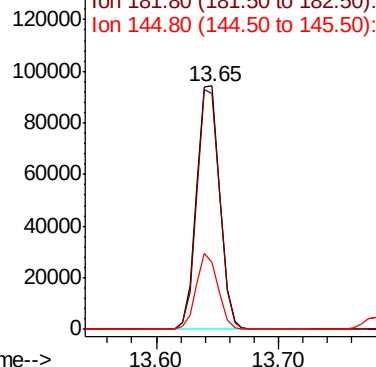


Abundance

Ion 179.80 (179.50 to 180.50): V

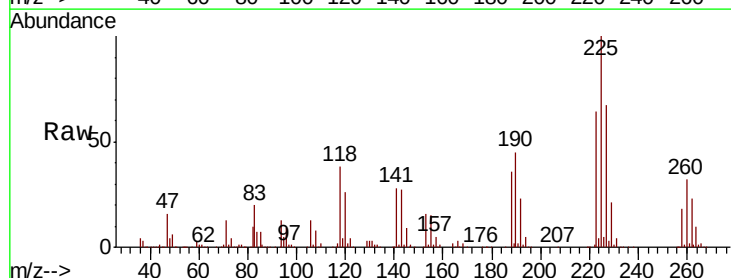
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.876 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011318.D
 Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.0	93.0
227	63.9	32.2	96.6

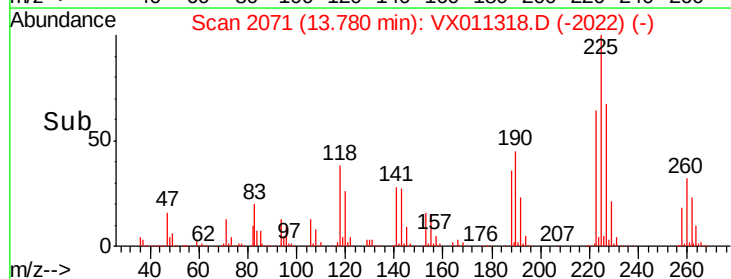
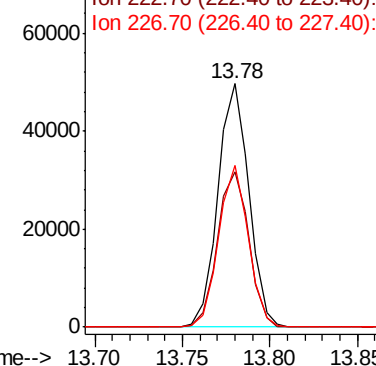


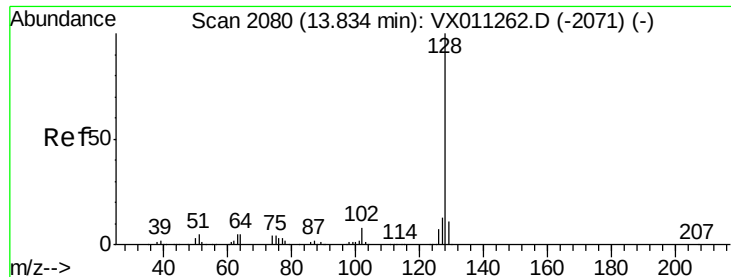
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





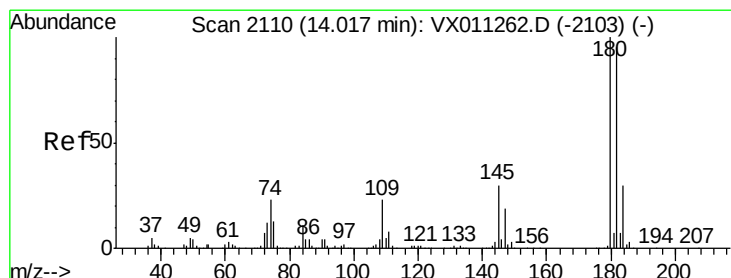
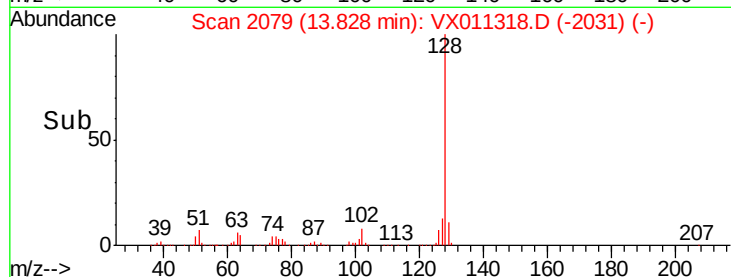
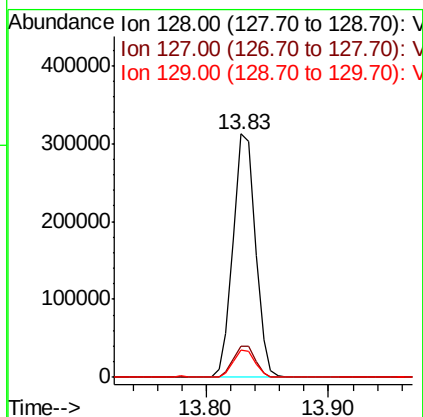
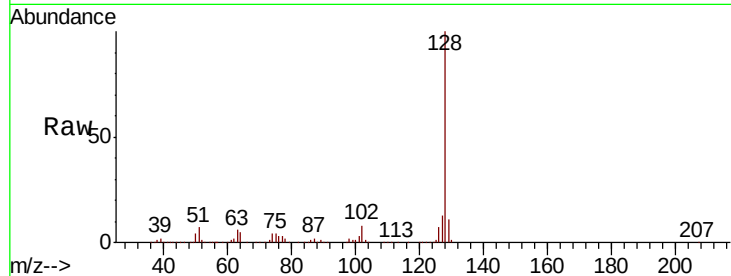
#95
Naphthalene
Concen: 51.547 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	393859		
127	12.9		10.4	15.6
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.442 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011318.D
Acq: 02 Aug 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	126017		
182	96.1		47.4	142.3
145	30.9		15.2	45.6

