

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012494.D
 Acq On : 18 Sep 2019 23:57
 Operator : JC/SP
 Sample : VX0918WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:22 PM

Quant Time: Sep 19 08:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	197404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	337435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	142322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	140651	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	5.49	113	102004	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	8.71	98	375855	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.14	95	148831	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	23930	18.419	ug/l	96
3) Chloromethane	1.32	50	20587	18.969	ug/l	99
4) Vinyl Chloride	1.40	62	22939	19.556	ug/l	97
5) Bromomethane	1.63	94	10953	23.768	ug/l	99
6) Chloroethane	1.72	64	15775	17.186	ug/l	94
7) Trichlorofluoromethane	1.92	101	42383	19.711	ug/l	97
8) Diethyl Ether	2.18	74	17916	18.447	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30006	19.287	ug/l	97
10) Methyl Iodide	2.50	142	22100	19.525	ug/l	98
11) Tert butyl alcohol	3.03	59	73582	99.012	ug/l	97
12) 1,1-Dichloroethene	2.36	96	24491	19.733	ug/l	96
13) Acrolein	2.28	56	18346	72.655	ug/l	97
14) Allyl chloride	2.72	41	55477	19.200	ug/l	98
15) Acrylonitrile	3.13	53	118495	96.652	ug/l	98
16) Acetone	2.43	43	110209	79.835	ug/l	100
17) Carbon Disulfide	2.56	76	30811	18.726	ug/l	97
18) Methyl Acetate	2.76	43	58621	19.884	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	132750	19.618	ug/l	100
20) Methylene Chloride	2.84	84	33736	19.703	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	25485	19.774	ug/l	98
22) Diisopropyl ether	3.84	45	129905	19.201	ug/l	98
23) Vinyl Acetate	3.80	43	530962	95.407	ug/l	99
24) 1,1-Dichloroethane	3.69	63	64510	19.929	ug/l	98
25) 2-Butanone	4.66	43	173008	88.157	ug/l	100
26) 2,2-Dichloropropane	4.57	77	47406	14.891	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	38556	20.027	ug/l	94
28) Bromochloromethane	5.01	49	32818	19.666	ug/l	95
29) Tetrahydrofuran	5.11	42	103647	95.601	ug/l	99
30) Chloroform	5.20	83	71288	19.176	ug/l	96
31) Cyclohexane	5.57	56	37600	19.242	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	59266	19.074	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37227	18.153	ug/l	92
37) Ethyl Acetate	4.83	43	62297	19.790	ug/l	98
38) Carbon Tetrachloride	5.78	117	47567	18.649	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012494.D
 Acq On : 18 Sep 2019 23:57
 Operator : JC/SP
 Sample : VX0918WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0918WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:22 PM

Quant Time: Sep 19 08:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36936	18.527	ug/l	98
40) Benzene	6.14	78	126650	19.421	ug/l	97
41) Methacrylonitrile	5.03	41	36091	17.806	ug/l	96
42) 1,2-Dichloroethane	6.18	62	57877	19.135	ug/l	99
43) Isopropyl Acetate	6.44	43	105380	18.651	ug/l	99
44) Trichloroethene	7.21	130	34720	20.239	ug/l	96
45) 1,2-Dichloropropane	7.51	63	37963	18.948	ug/l	95
46) Dibromomethane	7.65	93	25837	19.928	ug/l	97
47) Bromodichloromethane	7.89	83	54383	18.838	ug/l	97
48) Methyl methacrylate	7.76	41	48951	18.380	ug/l	98
49) 1,4-Dioxane	7.73	88	22892	353.158	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	350110	94.492	ug/l	100
52) Toluene	8.78	92	81380	19.366	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53791	17.925	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	57346	18.459	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	41681	19.253	ug/l	98
56) Ethyl methacrylate	9.17	69	62902	18.583	ug/l	98
57) 1,3-Dichloropropane	9.37	76	66725	19.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	166675	95.127	ug/l	100
59) 2-Hexanone	9.48	43	258815	89.535	ug/l	98
60) Dibromochloromethane	9.58	129	42163	19.120	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39532	19.994	ug/l	100
64) Tetrachloroethene	9.33	164	31037	22.655	ug/l	90
65) Chlorobenzene	10.14	112	97952	19.851	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	40997	20.019	ug/l	100
67) Ethyl Benzene	10.25	91	165855	19.564	ug/l	99
68) m/p-Xylenes	10.36	106	122749	39.794	ug/l	99
69) o-Xylene	10.70	106	63225	19.931	ug/l	98
70) Styrene	10.71	104	112286	20.006	ug/l	98
71) Bromoform	10.85	173	28554	18.134	ug/l #	100
73) Isopropylbenzene	11.01	105	177296	19.854	ug/l	99
74) N-amyl acetate	10.89	43	90480	18.820	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	67531	19.278	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64070m	19.598	ug/l	
77) Bromobenzene	11.25	156	44815	20.578	ug/l	98
78) n-propylbenzene	11.35	91	194147	19.507	ug/l	98
79) 2-Chlorotoluene	11.42	91	124771	19.270	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	151877	19.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17027	16.509	ug/l	89
82) 4-Chlorotoluene	11.51	91	146156	19.668	ug/l	99
83) tert-Butylbenzene	11.77	119	154458	18.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	154216	19.722	ug/l	100
85) sec-Butylbenzene	11.94	105	175555	19.523	ug/l	99
86) p-Isopropyltoluene	12.06	119	159920	19.367	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	81235	19.829	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	83501	19.843	ug/l	99
89) n-Butylbenzene	12.39	91	132487	17.983	ug/l	100
90) Hexachloroethane	12.59	117	27840	18.388	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	84169	19.658	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16764	18.459	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012494.D
Acq On : 18 Sep 2019 23:57
Operator : JC/SP
Sample : VX0918WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM

Quant Time: Sep 19 08:08:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	53843	19.523	ug/l	99
94) Hexachlorobutadiene	13.78	225	24117	18.553	ug/l	98
95) Naphthalene	13.83	128	199161	20.295	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	57955	20.621	ug/l	99

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

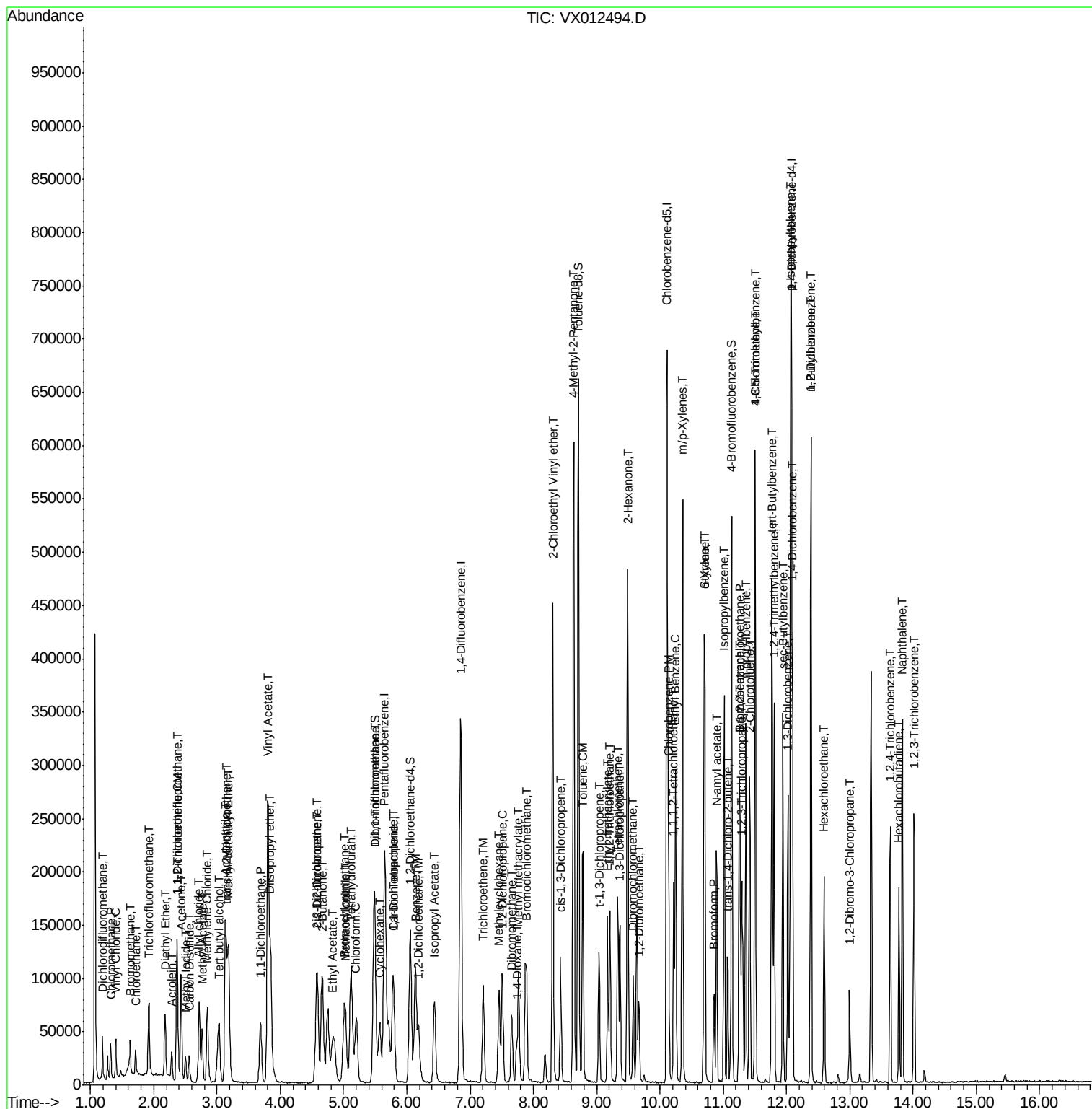
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012494.D
 Acq On : 18 Sep 2019 23:57
 Operator : JC/SP
 Sample : VX0918WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

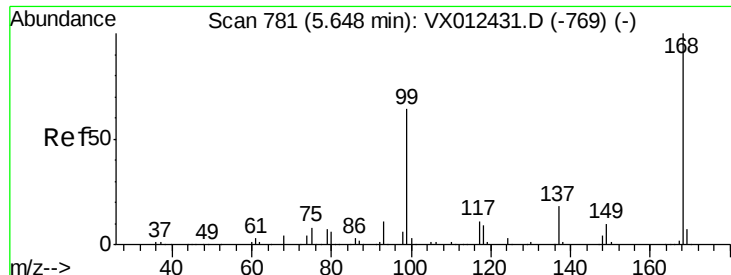
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0918WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:22 PM

Quant Time: Sep 19 08:08:40 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:168 Resp: 197404

Ion Ratio Lower Upper

168 100

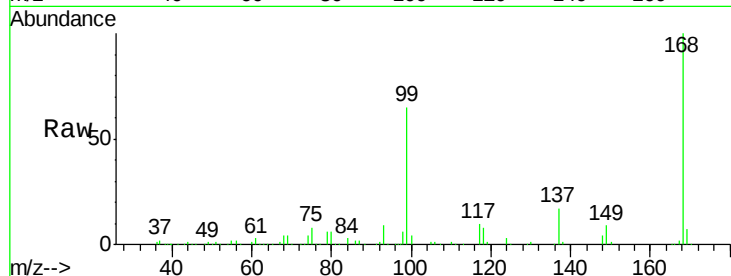
99 64.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

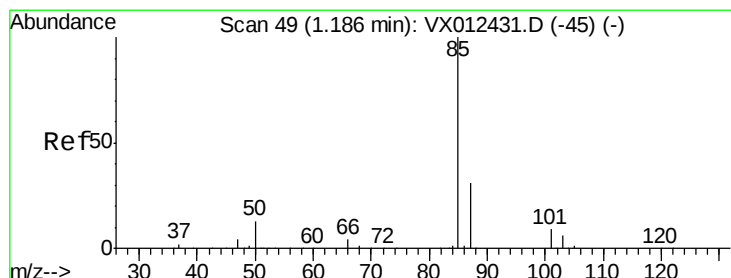
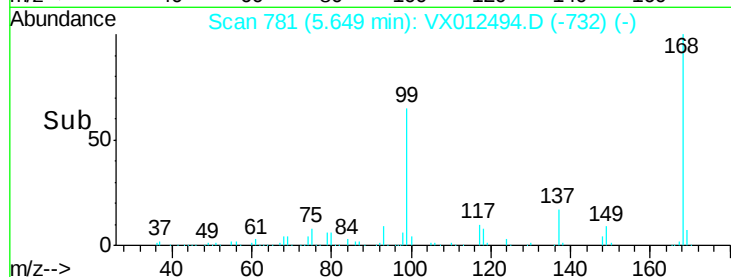
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.419 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012494.D

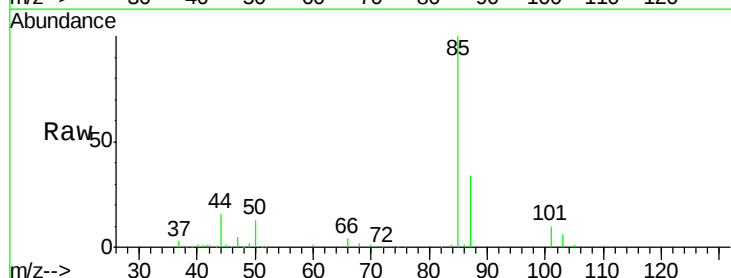
Acq: 18 Sep 2019 23:57

Tgt Ion: 85 Resp: 23930

Ion Ratio Lower Upper

85 100

87 33.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

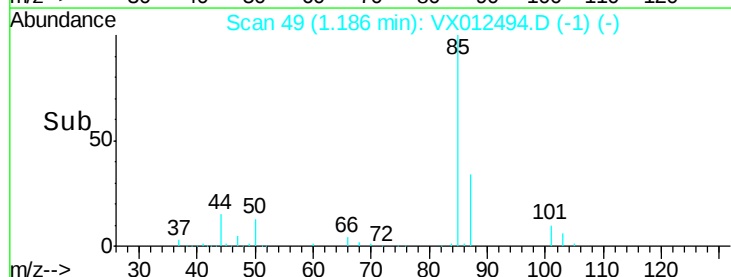
10000

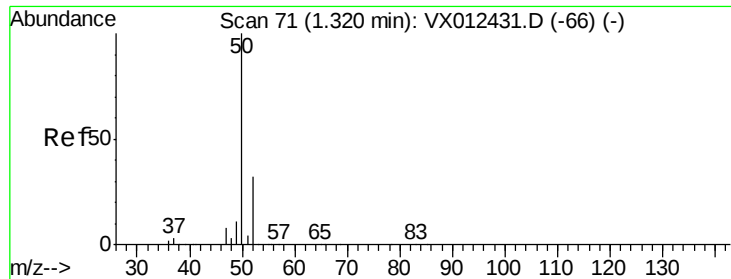
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.969 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 50 Resp: 20587

Ion Ratio Lower Upper

50 100

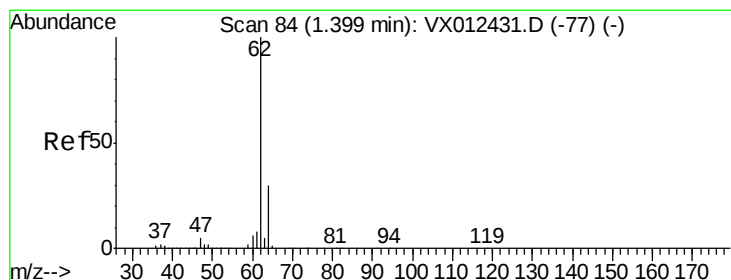
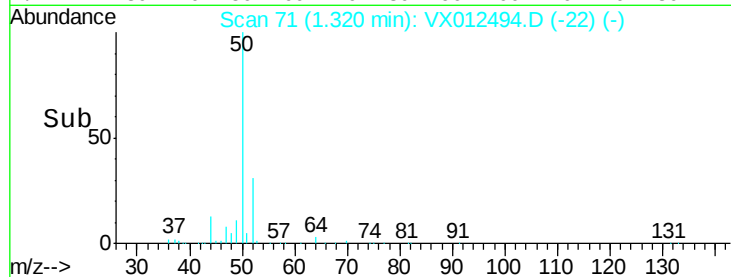
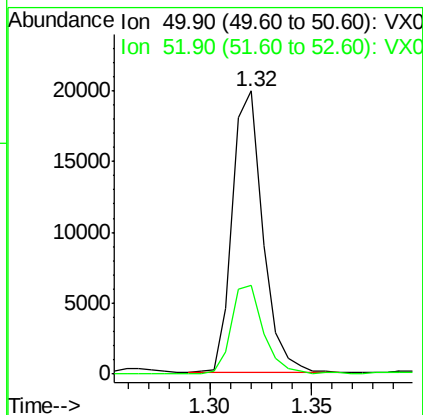
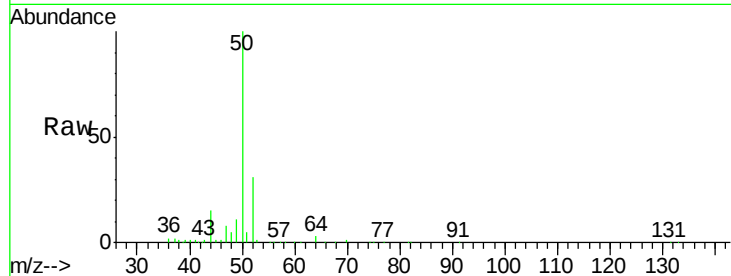
52 31.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#4

Vinyl Chloride

Concen: 19.556 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012494.D

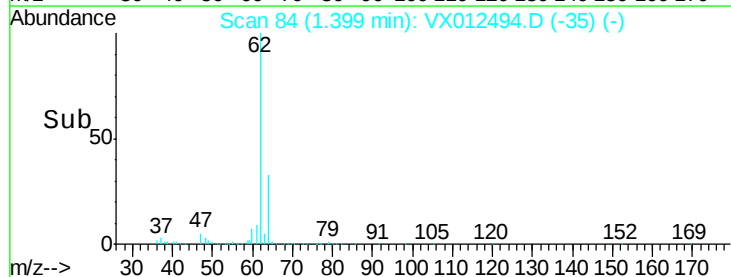
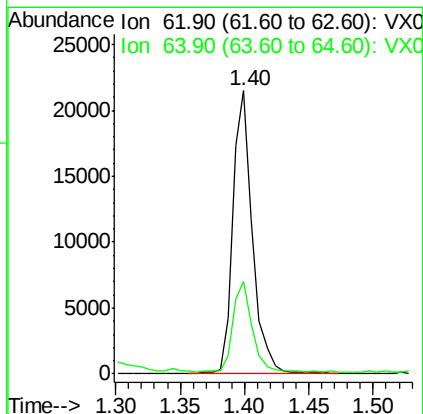
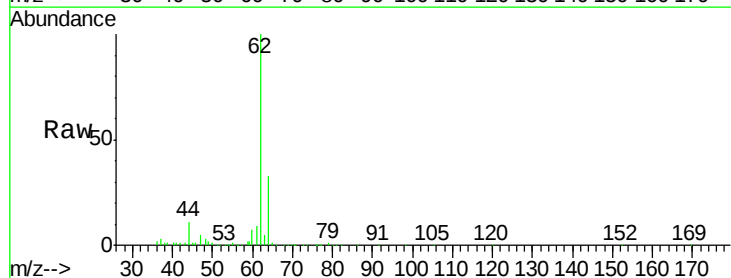
Acq: 18 Sep 2019 23:57

Tgt Ion: 62 Resp: 22939

Ion Ratio Lower Upper

62 100

64 31.9 24.2 36.2





#5

Bromomethane

Concen: 23.768 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 94 Resp: 10953

Ion Ratio Lower Upper

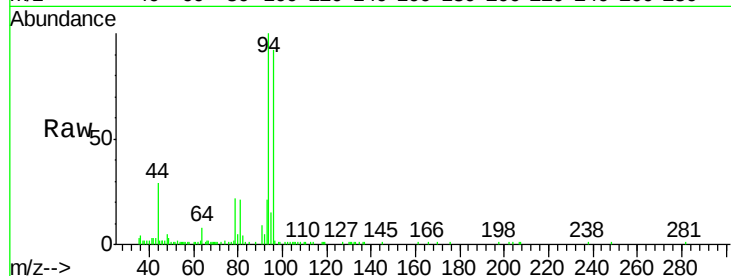
94 100

96 91.6 72.8 109.2

Manual Integrations
APPROVED

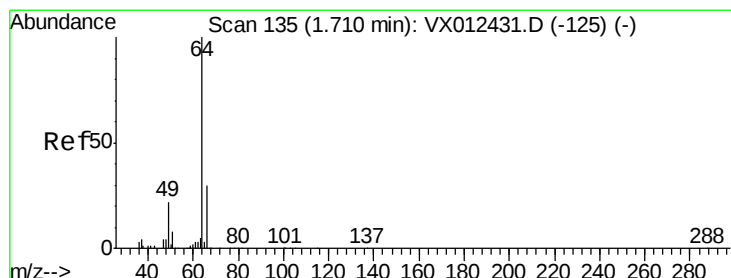
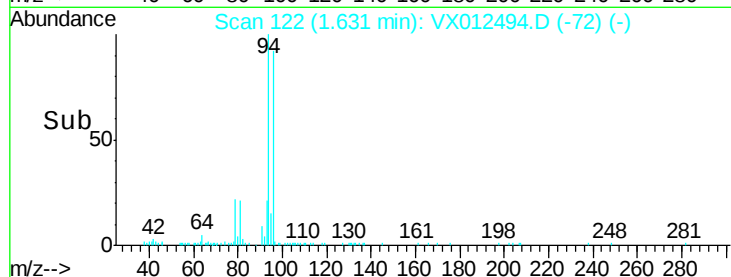
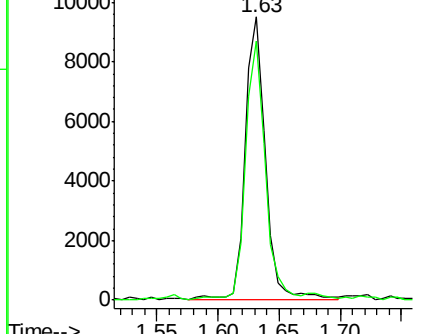
MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.186 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012494.D

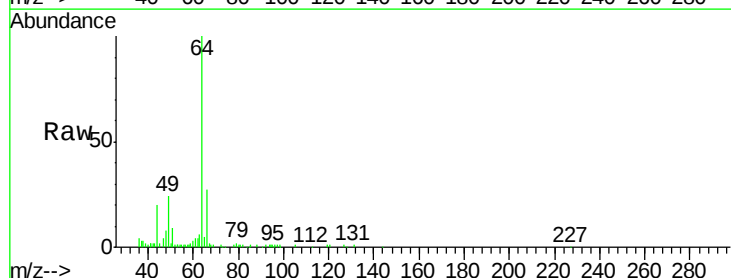
Acq: 18 Sep 2019 23:57

Tgt Ion: 64 Resp: 15775

Ion Ratio Lower Upper

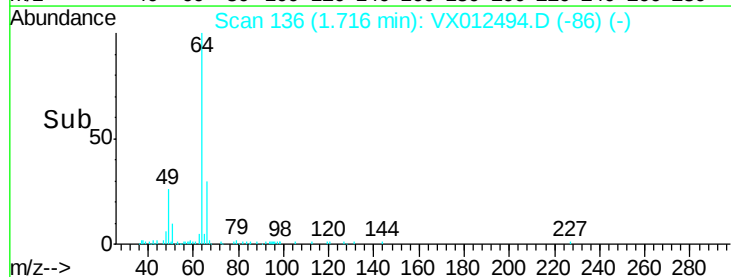
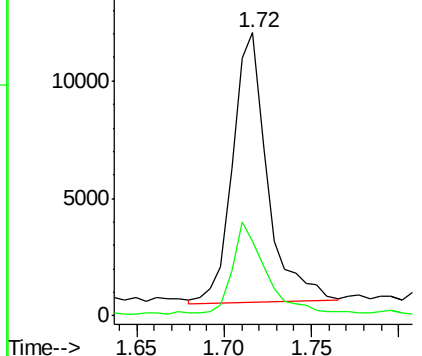
64 100

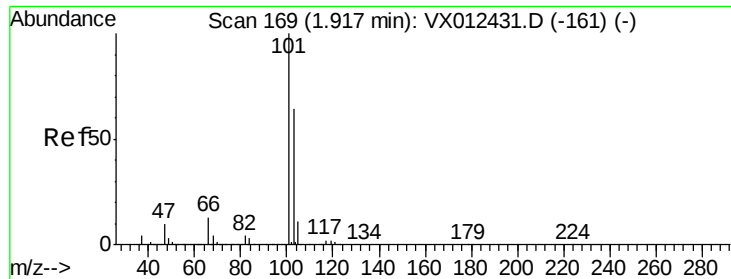
66 26.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

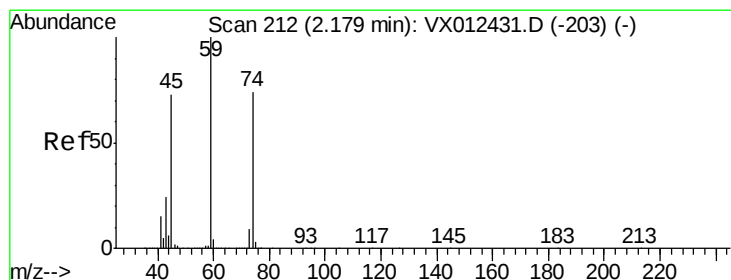
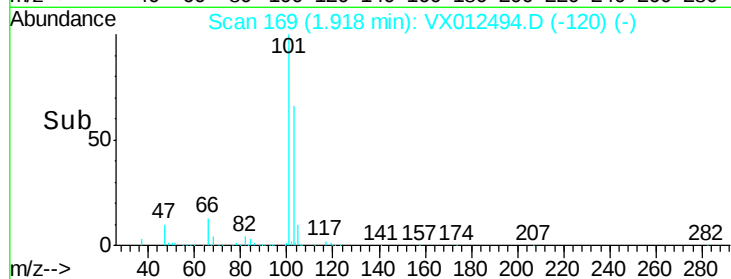
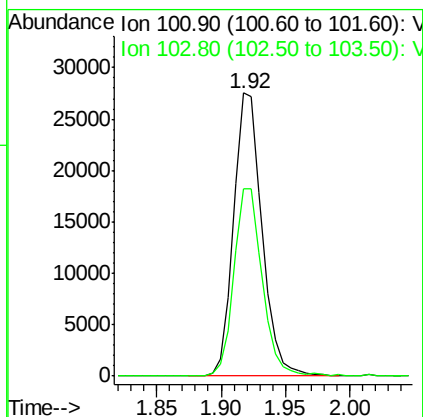
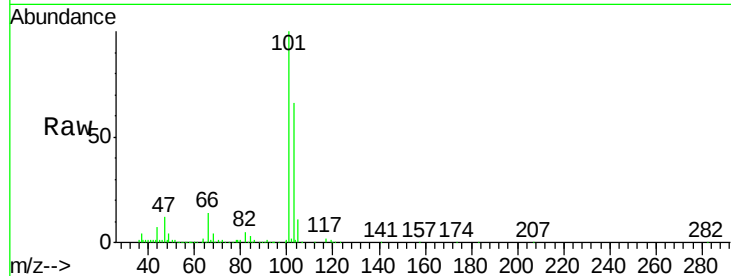
Trichlorofluoromethane
 Concen: 19.711 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.0	76.4

Manual Integrations
 APPROVED

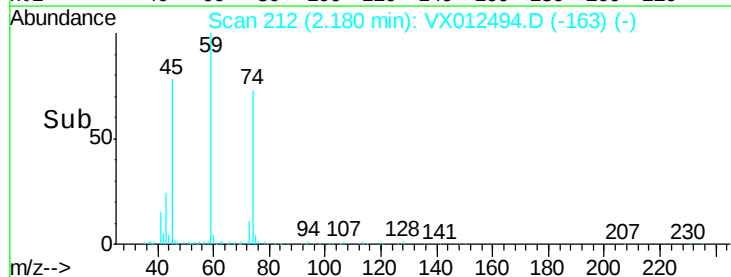
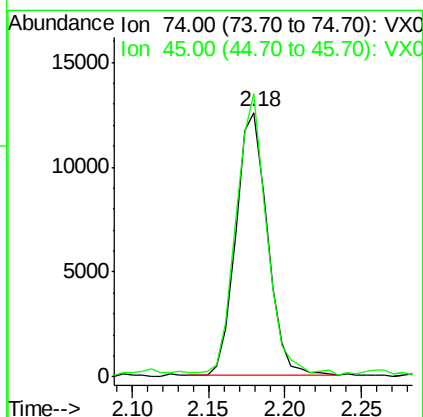
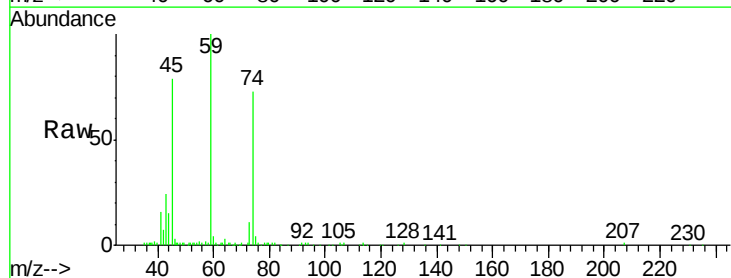
MMDadoda
 9/19/2019 1:06:22 PM

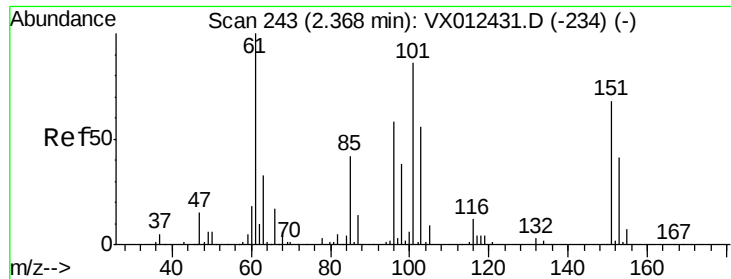


#8

Diethyl Ether
 Concen: 18.447 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.287 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

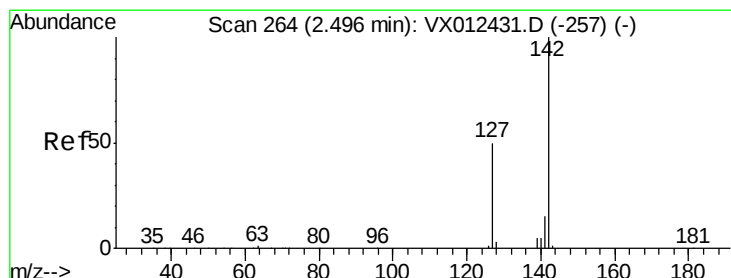
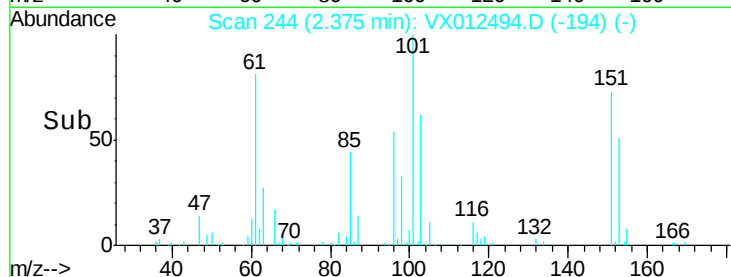
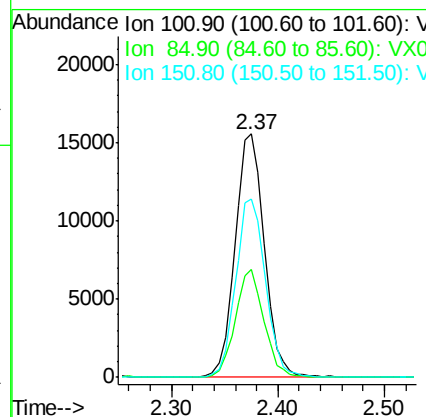
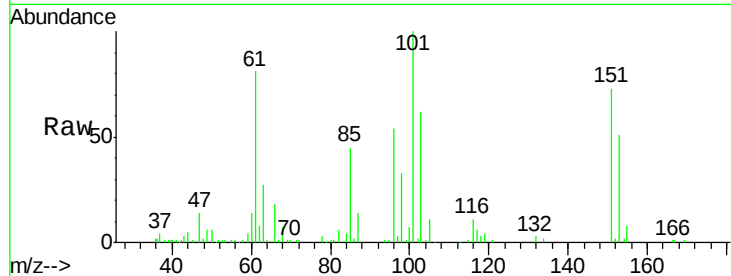
ClientSampleId :

VX0918WBSD02

Tot Ion:	101	Resp:	30006
Ion Ratio	Lower	Upper	
101	100		
85	43.4	37.3	55.9
151	74.7	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#10

Methyl Iodide

Concen: 19.525 ug/l

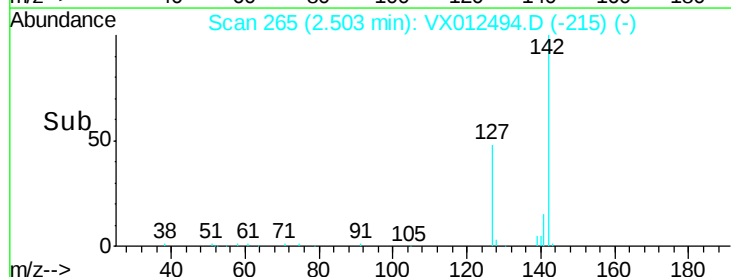
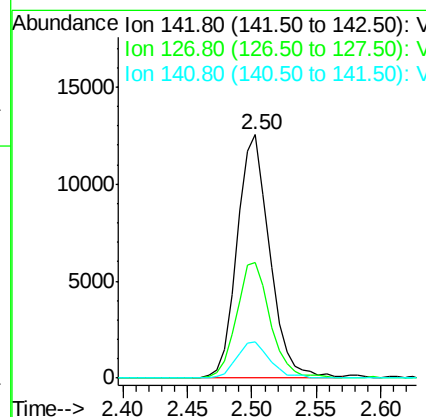
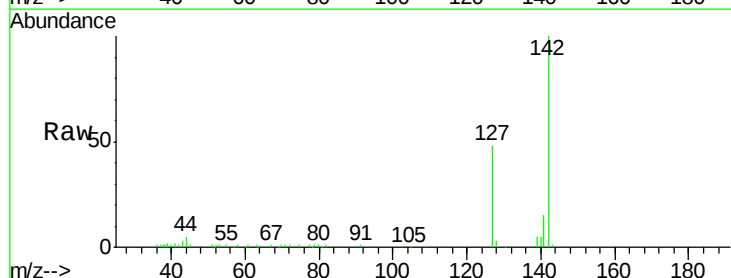
RT: 2.50 min Scan# 265

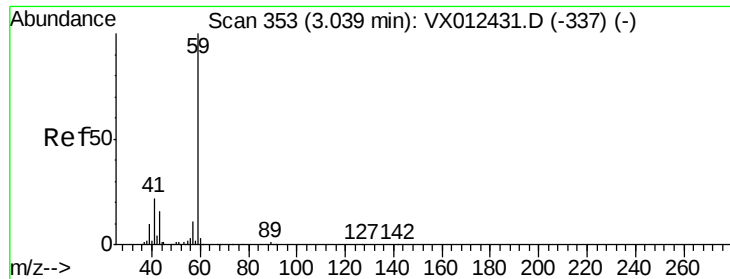
Delta R.T. 0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	142	Resp:	22100
Ion Ratio	Lower	Upper	
142	100		
127	49.3	40.8	61.2
141	15.2	12.1	18.1





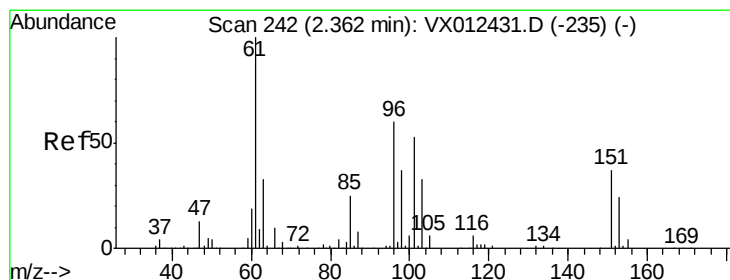
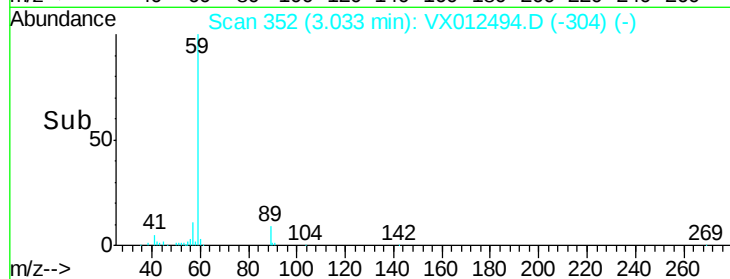
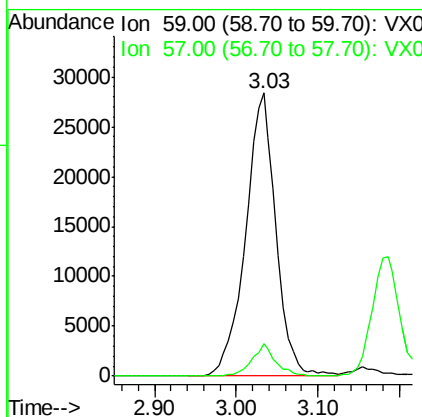
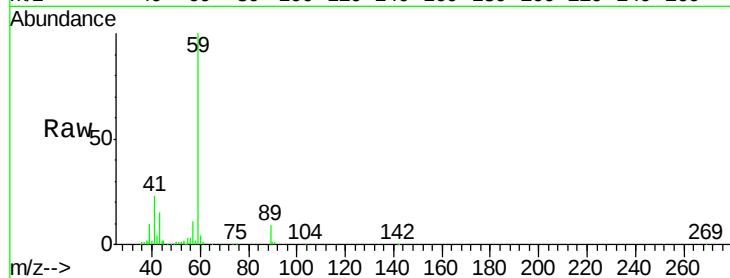
#11
Tert butyl alcohol
Concen: 99.012 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.3	12.5

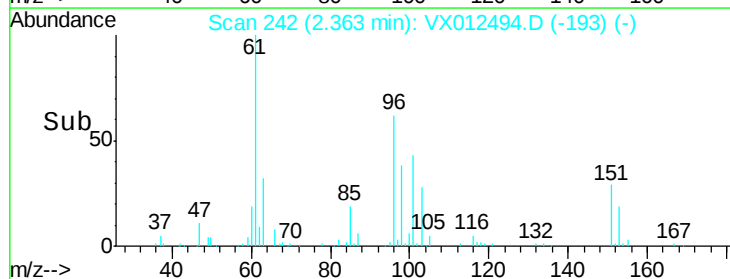
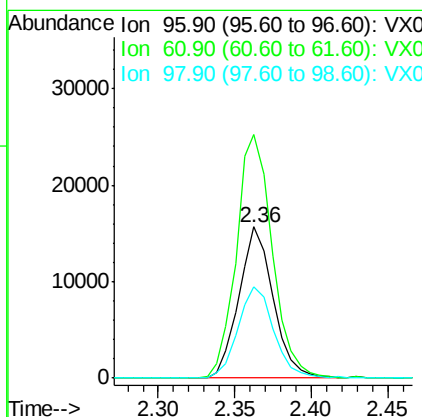
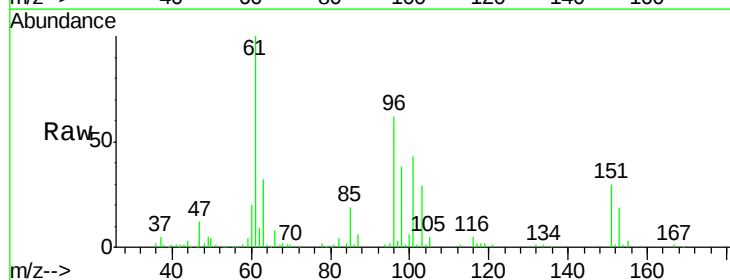
Manual Integrations
APPROVED

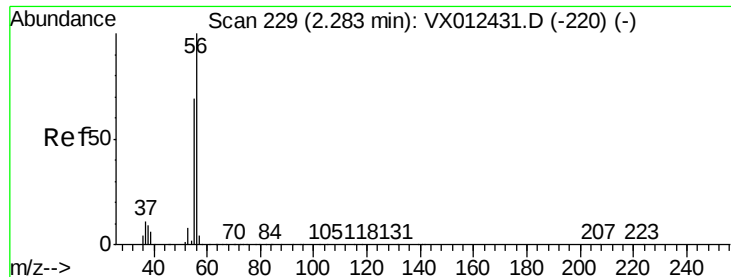
MMDadoda
9/19/2019 1:06:22 PM



#12
1,1-Dichloroethene
Concen: 19.733 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	133.8	200.6
98	60.8	49.9	74.9





#13

Acrolein

Concen: 72.655 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 56 Resp: 18346

Ion Ratio Lower Upper

56 100

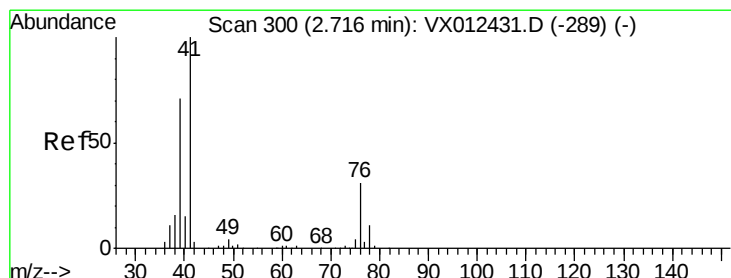
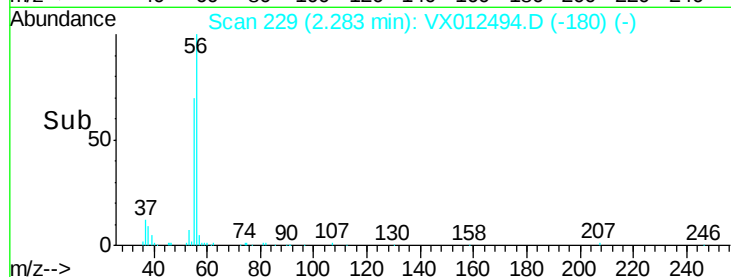
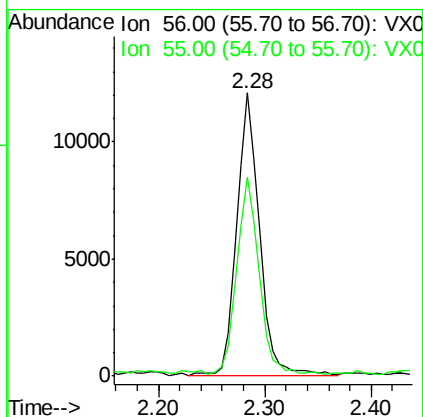
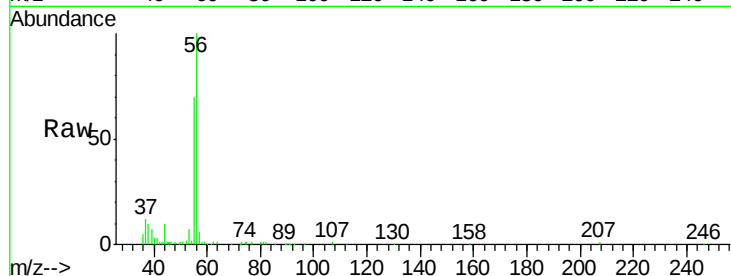
55 67.3 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#14

Allyl chloride

Concen: 19.200 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

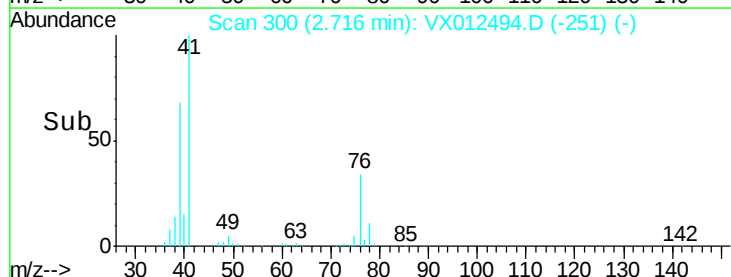
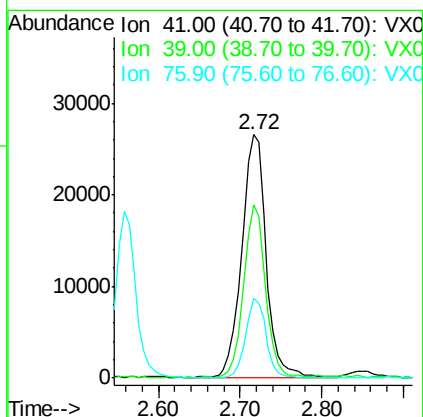
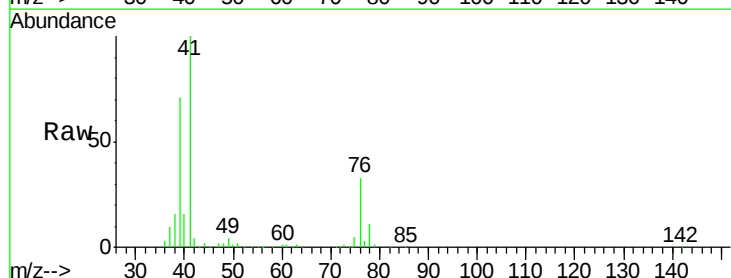
Tgt Ion: 41 Resp: 55477

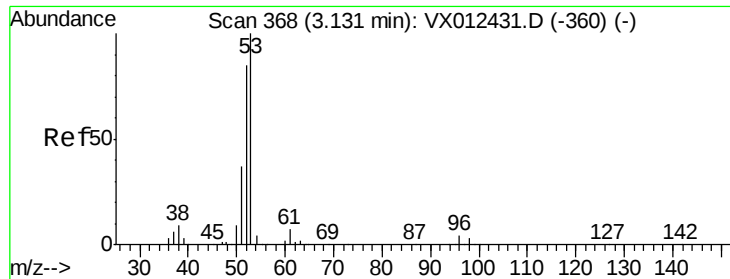
Ion Ratio Lower Upper

41 100

39 62.8 51.3 76.9

76 27.5 22.6 33.8





#15

Acrylonitrile

Concen: 96.652 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

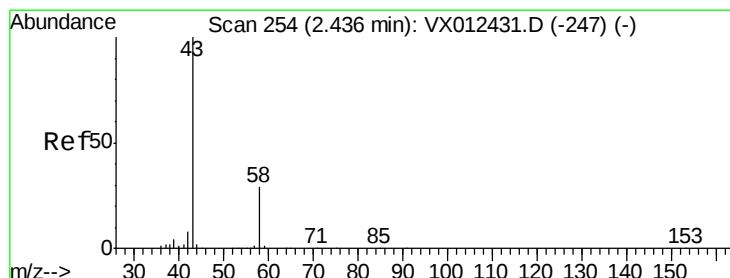
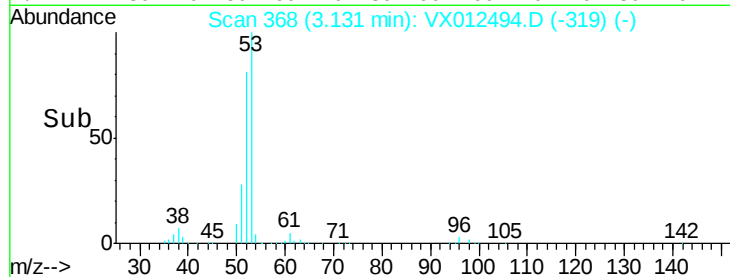
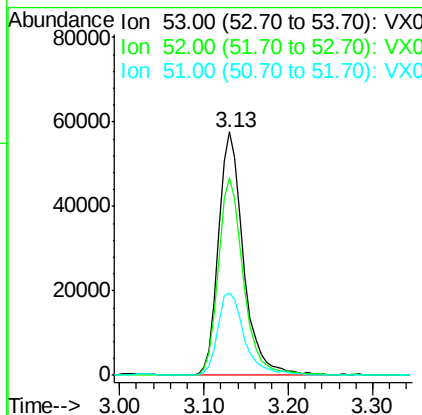
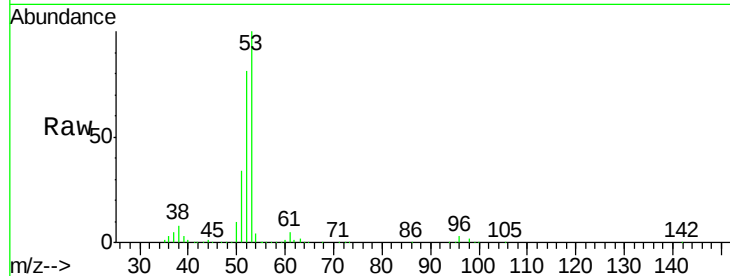
ClientSampleId :

VX0918WBSD02

Tot Ion:	53	Resp:	118495
Ion Ratio		Lower	Upper
53	100		
52	81.6	67.0	100.4
51	36.5	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#16

Acetone

Concen: 79.835 ug/l

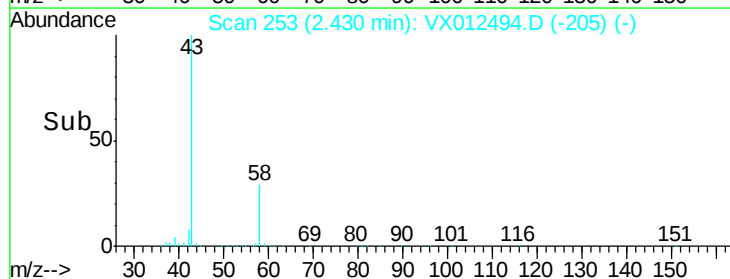
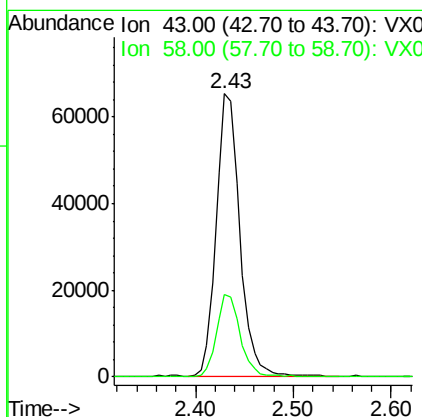
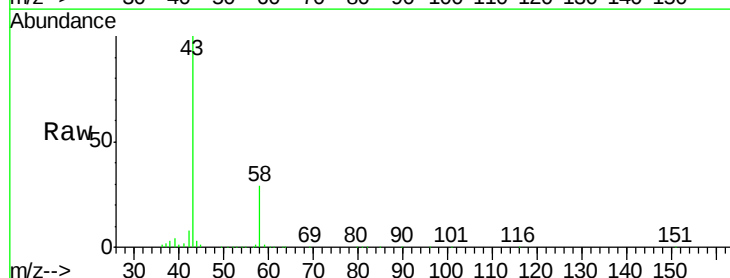
RT: 2.43 min Scan# 253

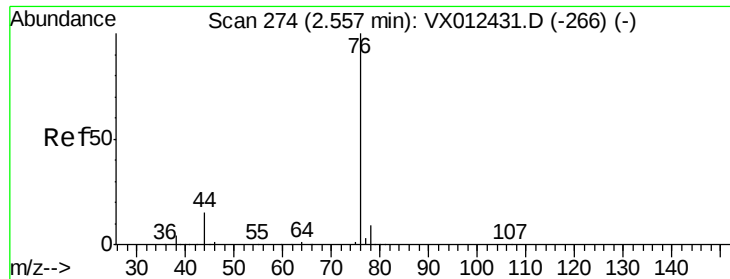
Delta R.T. -0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	43	Resp:	110209
Ion Ratio		Lower	Upper
43	100		
58	29.2	23.3	34.9





#17

Carbon Disulfide

Concen: 18.726 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 76 Resp: 30811

Ion Ratio Lower Upper

76 100

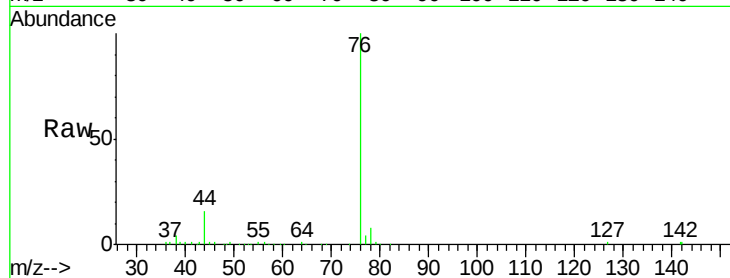
78 7.8 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

20000

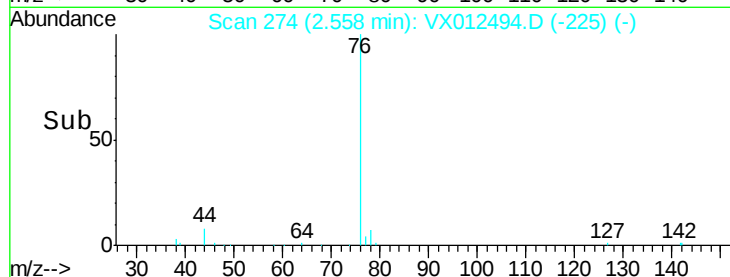
15000

10000

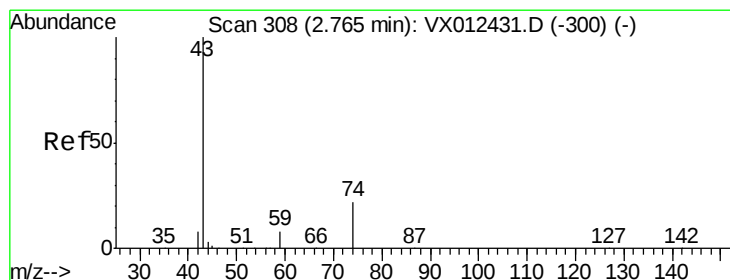
5000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 19.884 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012494.D

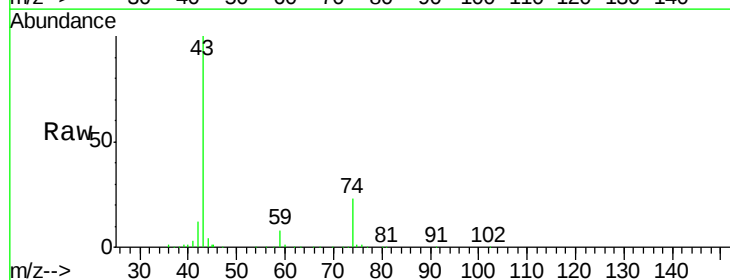
Acq: 18 Sep 2019 23:57

Tgt Ion: 43 Resp: 58621

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

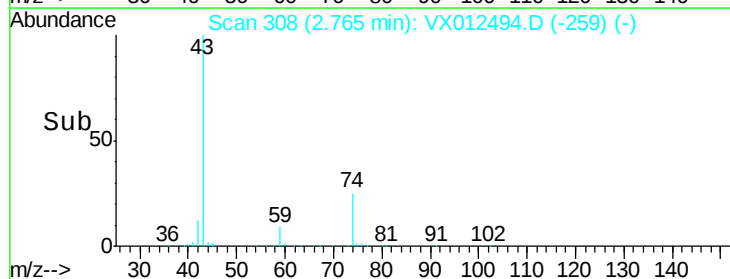
30000

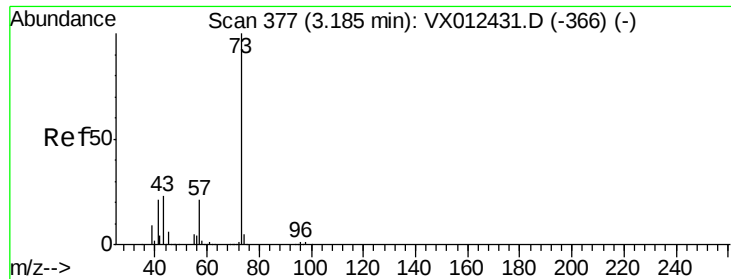
20000

10000

0

Time-->





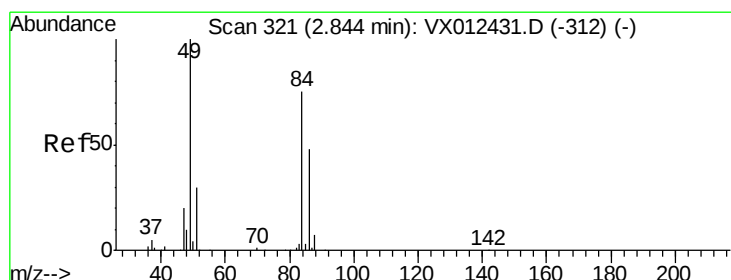
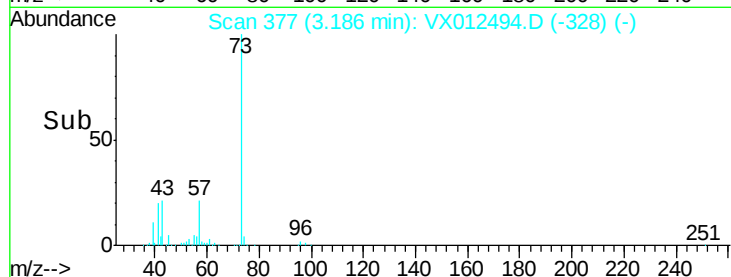
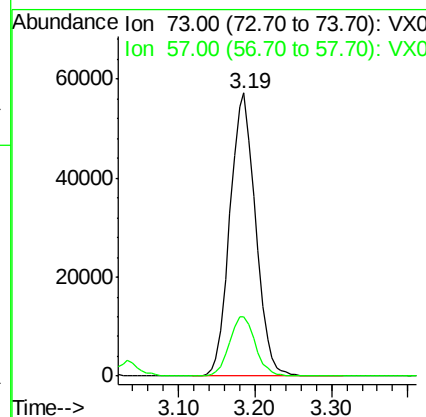
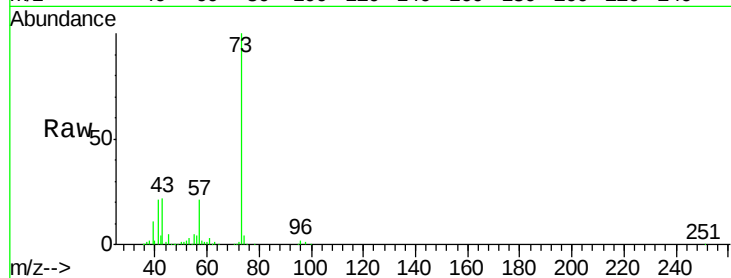
#19
Methvl tert-butvl Ether
Concen: 19.618 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.8	25.2

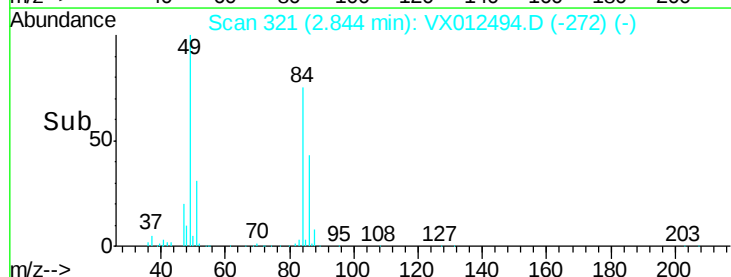
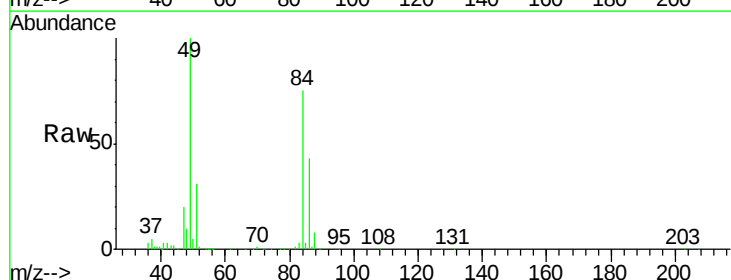
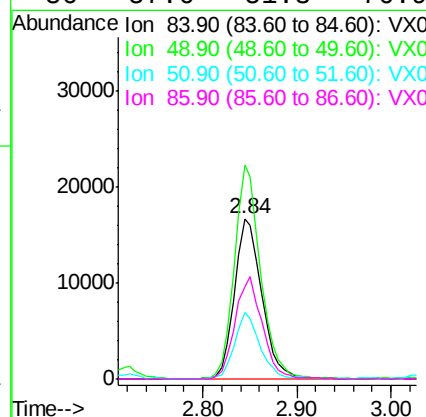
Manual Integrations
APPROVED

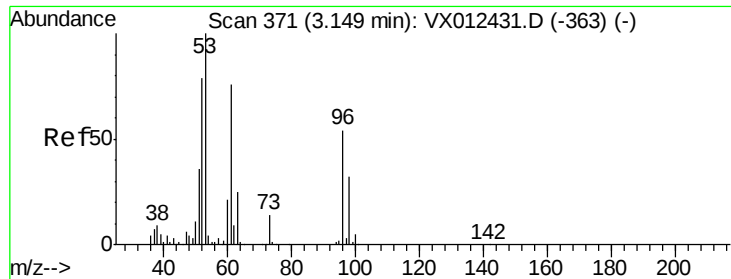
MMDadoda
9/19/2019 1:06:22 PM



#20
Methylene Chloride
Concen: 19.703 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	106.8	160.2
51	41.3	32.3	48.5
86	57.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.774 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 96 Resp: 25485

Ion Ratio Lower Upper

96 100

61 143.1 112.0 168.0

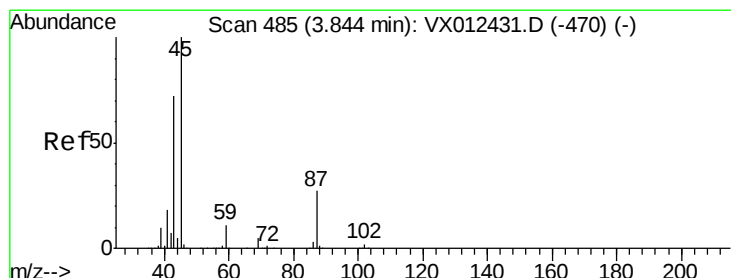
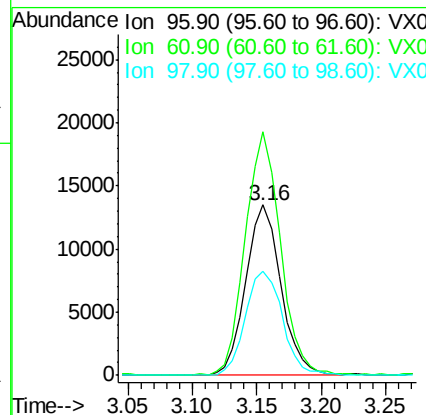
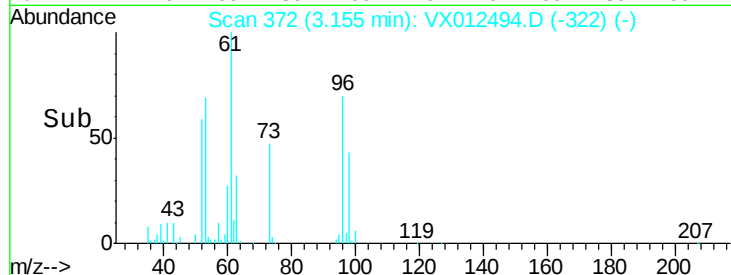
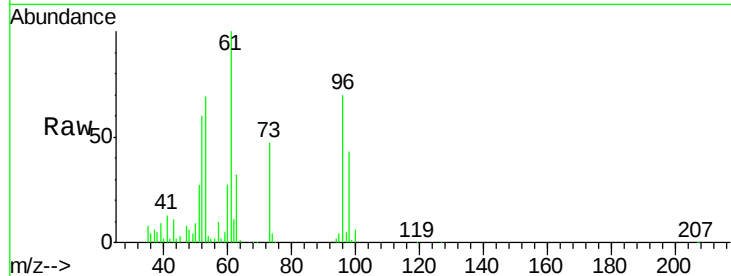
98 61.1 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#22

Diisopropyl ether

Concen: 19.201 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion: 45 Resp: 129905

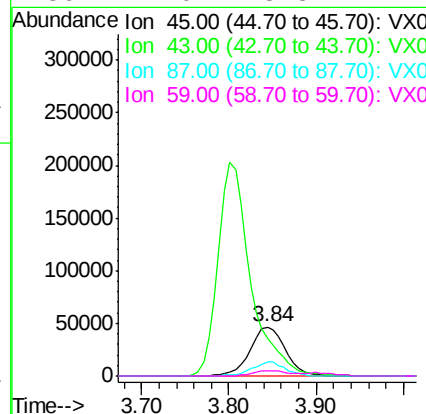
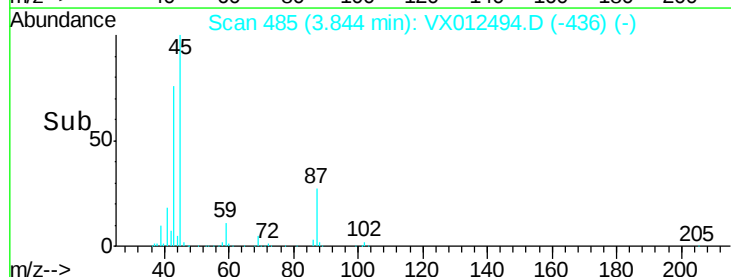
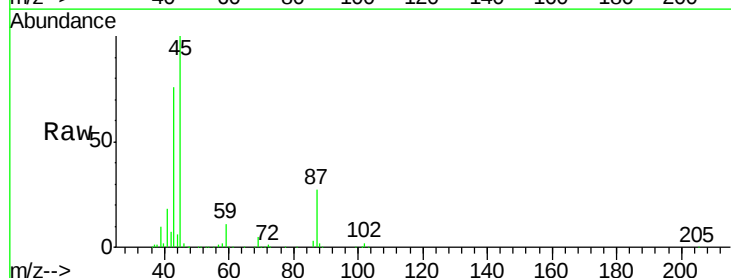
Ion Ratio Lower Upper

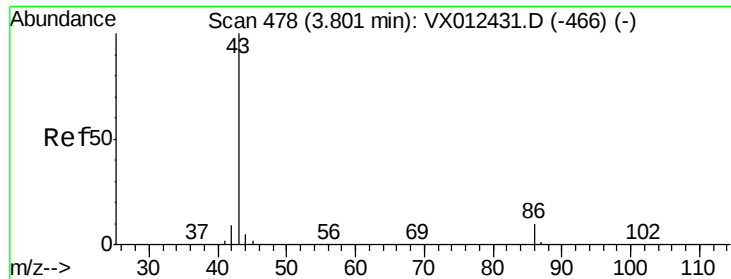
45 100

43 74.5 57.8 86.8

87 27.5 21.3 31.9

59 11.0 8.5 12.7





#23

Vinyl Acetate

Concen: 95.407 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 43 Resp: 530962

Ion Ratio Lower Upper

43 100

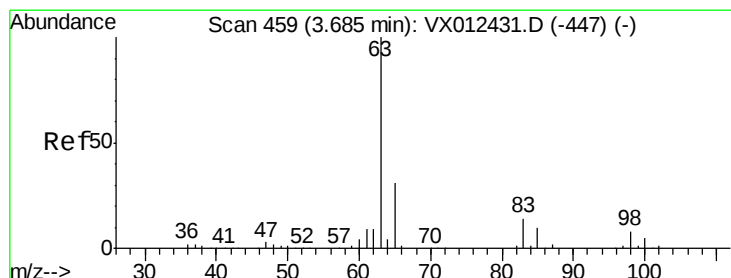
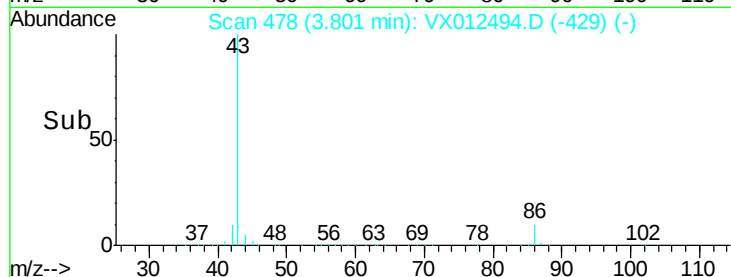
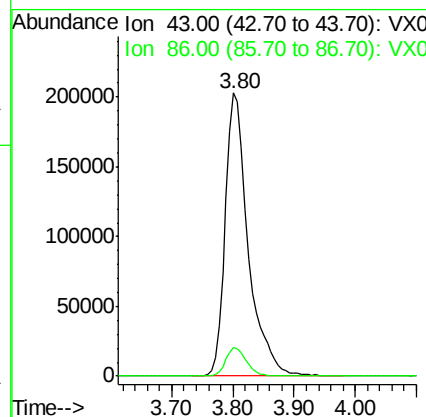
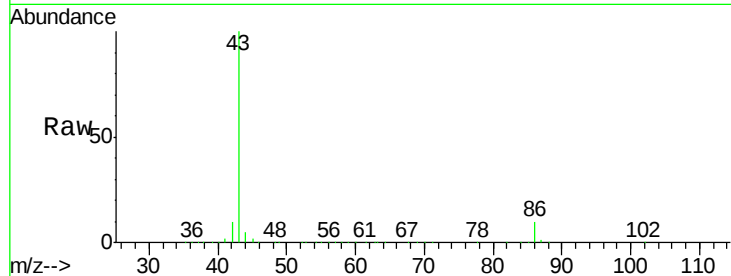
86 10.0 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#24

1,1-Dichloroethane

Concen: 19.929 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

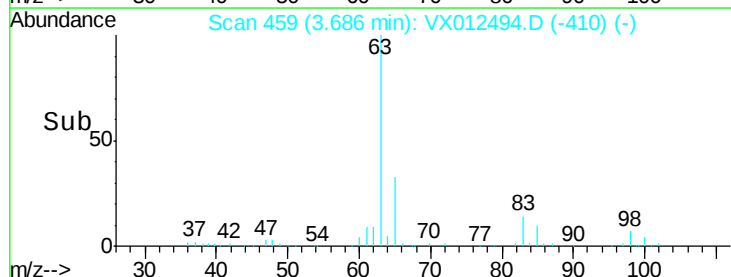
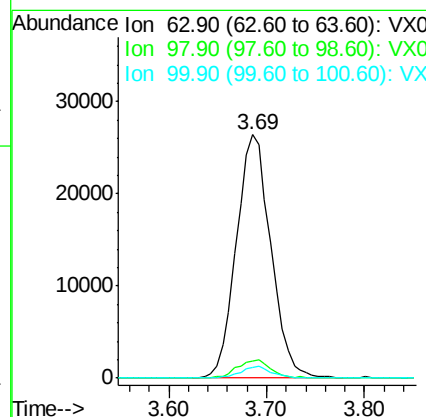
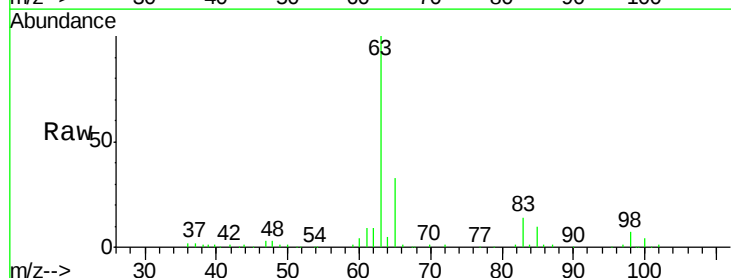
Tgt Ion: 63 Resp: 64510

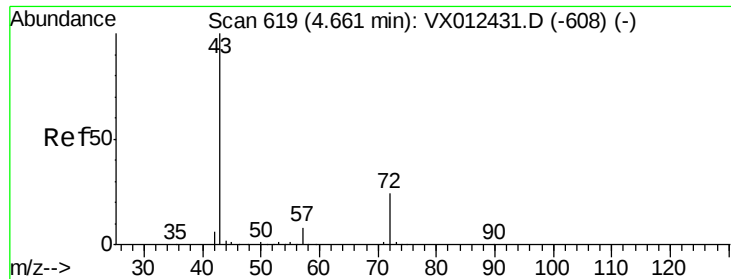
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 88.157 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD02

Tot Ion: 43 Resp: 173008

Ion Ratio Lower Upper

43 100

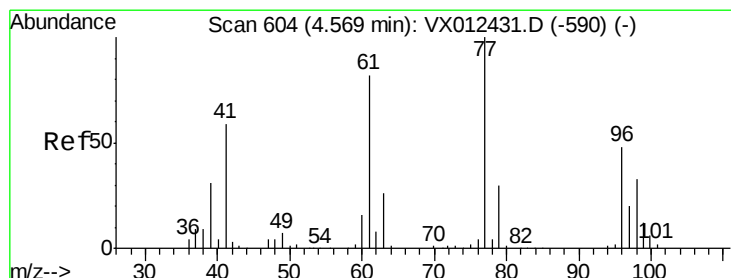
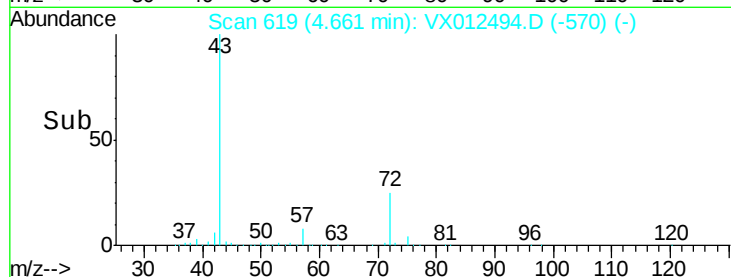
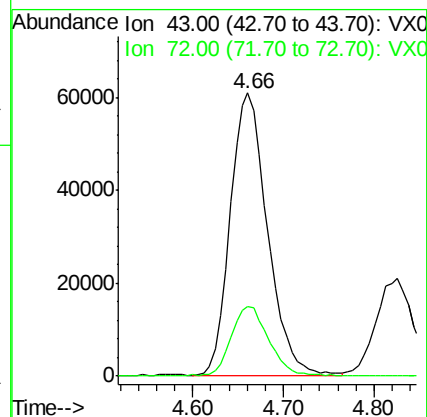
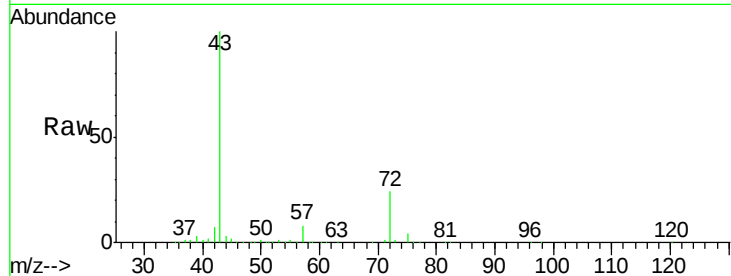
72 24.2 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#26

2,2-Dichloropropane

Concen: 14.891 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012494.D

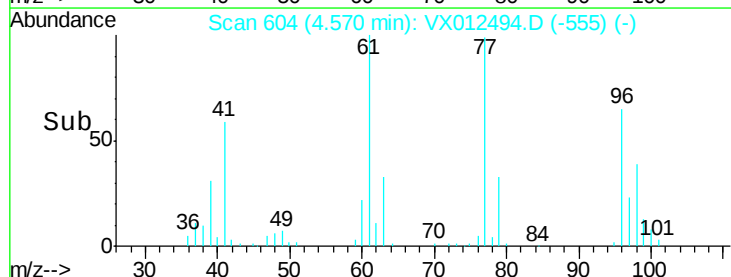
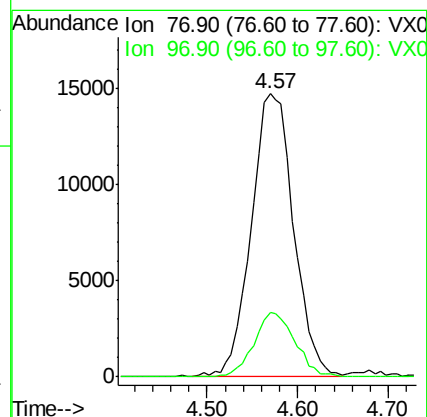
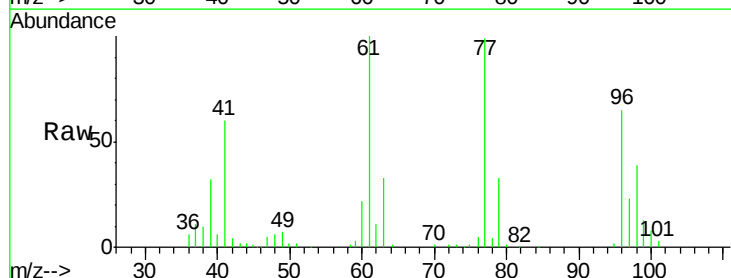
Acq: 18 Sep 2019 23:57

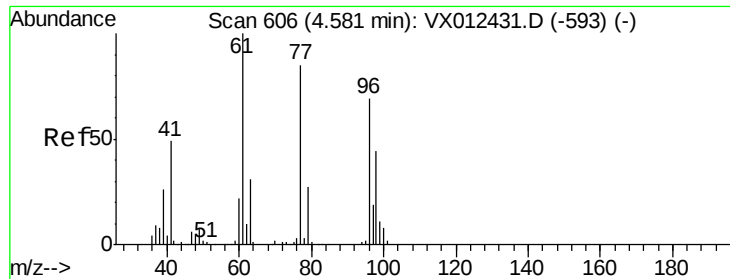
Tgt Ion: 77 Resp: 47406

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

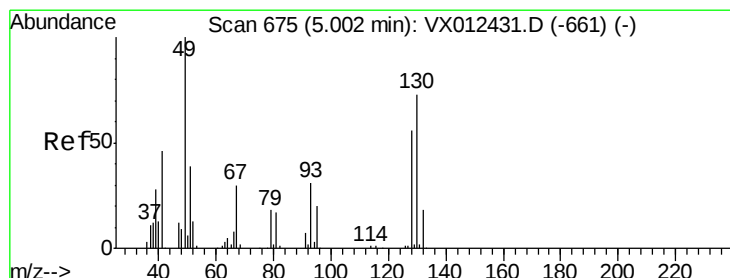
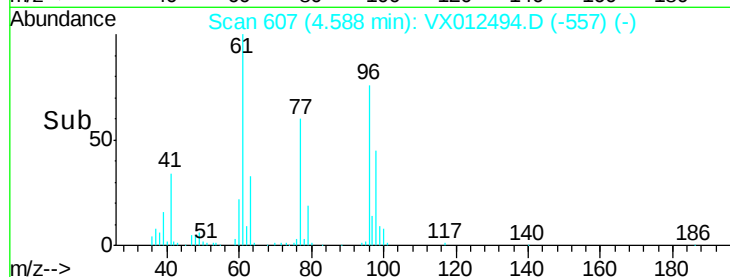
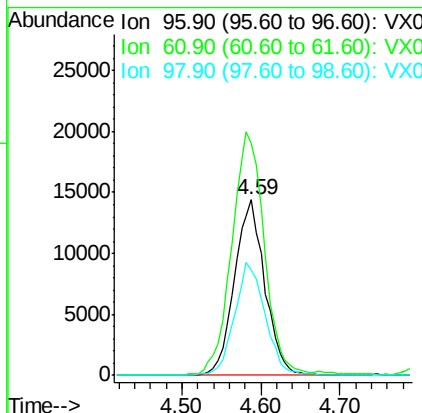
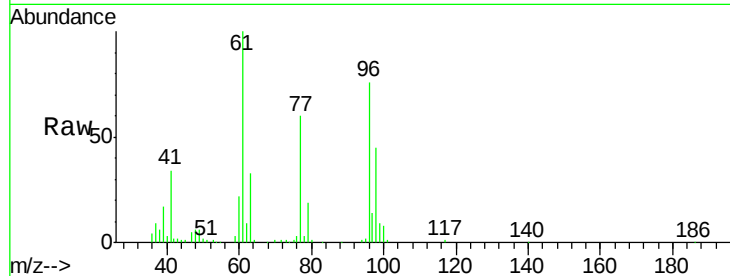
cis-1,2-Dichloroethene
Concen: 20.027 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.7	0.0	319.4	
98	64.8	0.0	130.6	

Manual Integrations
APPROVED

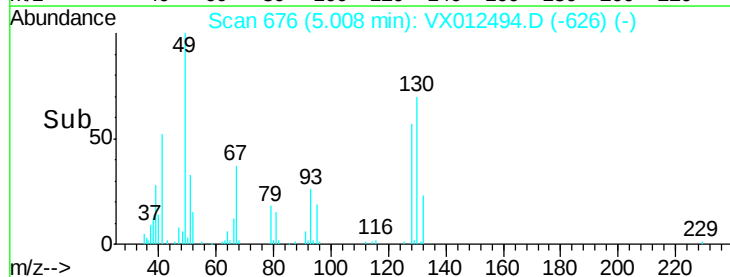
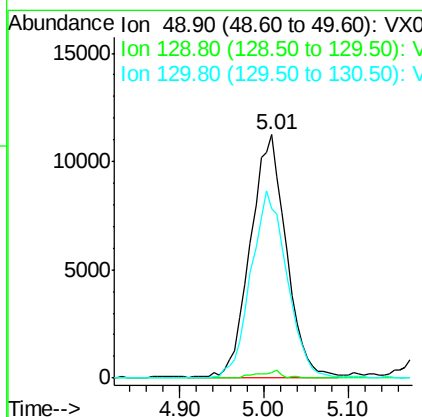
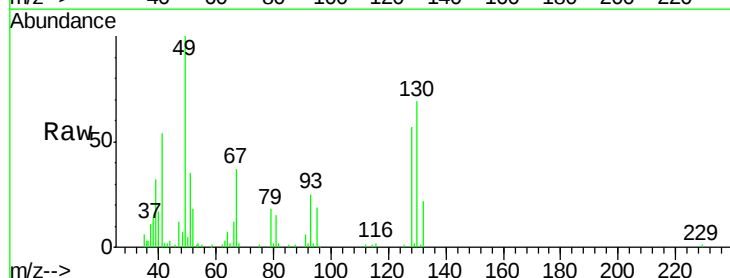
MMDadoda
9/19/2019 1:06:22 PM

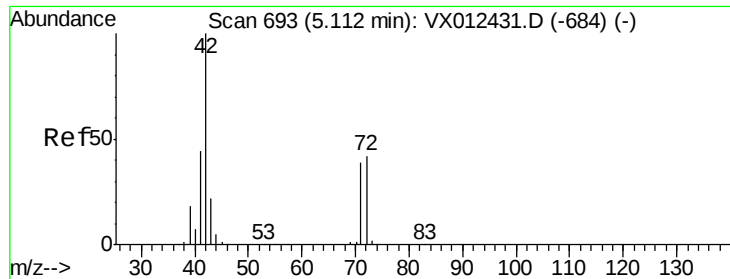


#28

Bromochloromethane
Concen: 19.666 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	77.0	58.2	87.4	





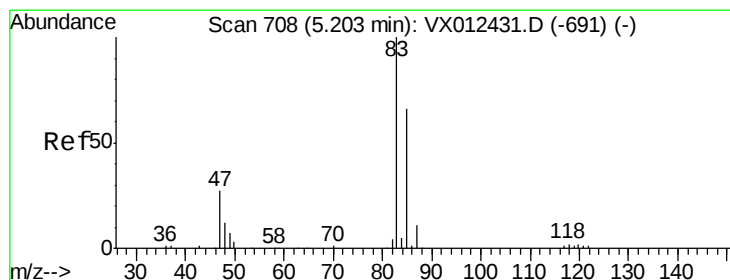
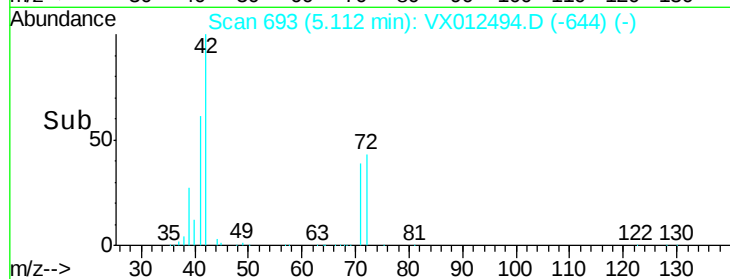
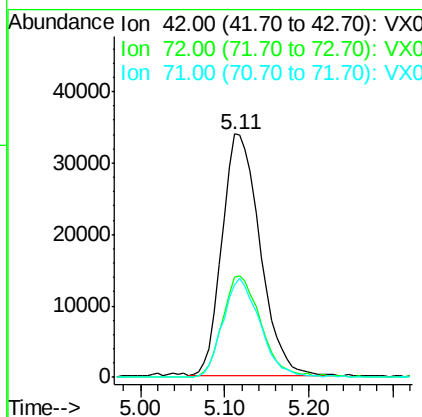
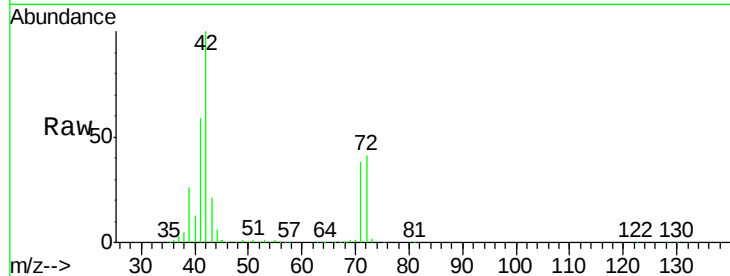
#29
Tetrahydrofuran
Concen: 95.601 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	40.7	31.5	47.3

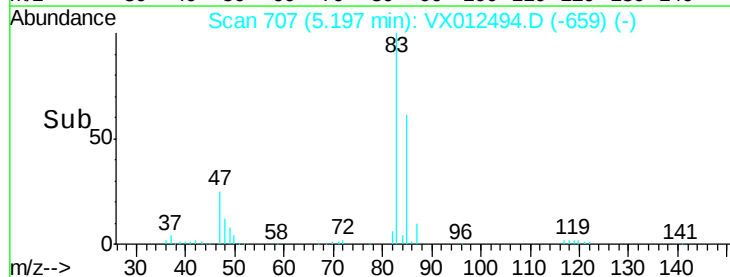
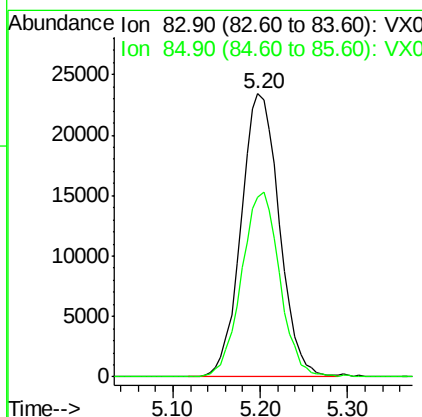
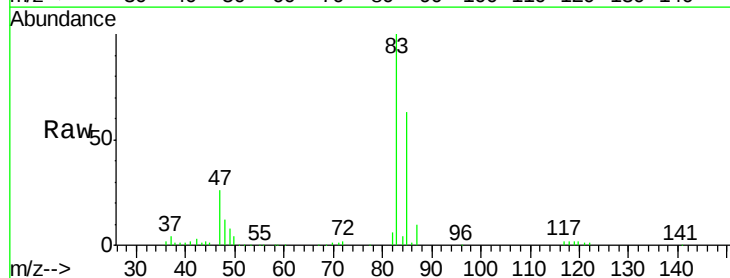
Manual Integrations
APPROVED

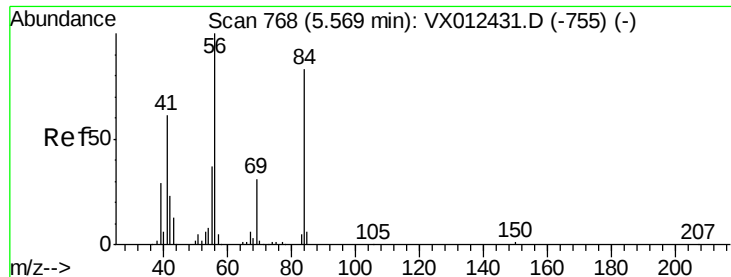
MMDadoda
9/19/2019 1:06:22 PM



#30
Chloroform
Concen: 19.176 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.0	79.4





#31

Cyclohexane

Concen: 19.242 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

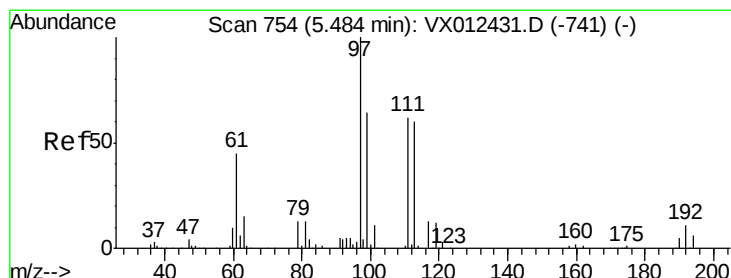
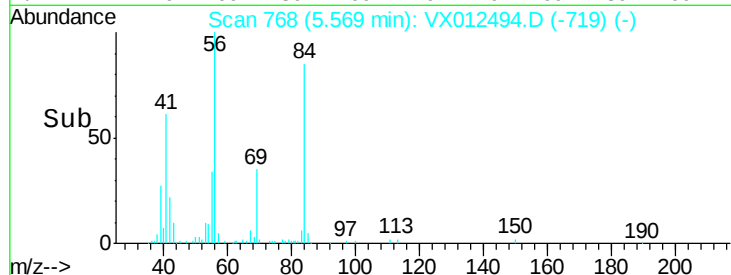
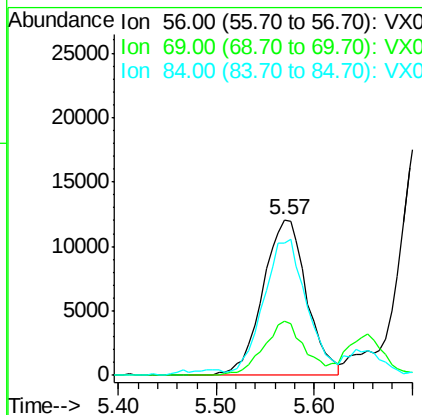
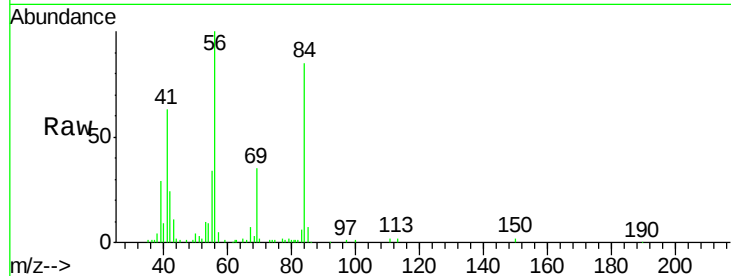
ClientSampleId :

VX0918WBSD02

Tot Ion:	56	Resp:	37600
Ion Ratio	Lower	Upper	
56	100		
69	34.6	25.0	37.6
84	82.7	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#32

1,1,1-Trichloroethane

Concen: 19.074 ug/l

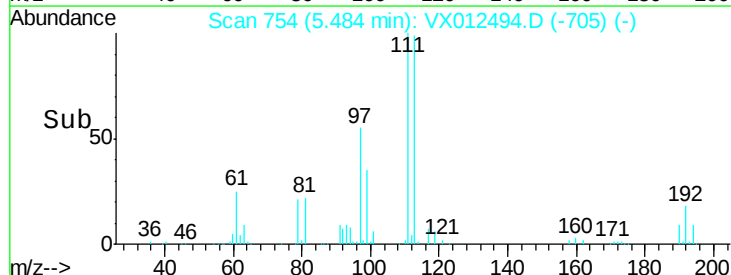
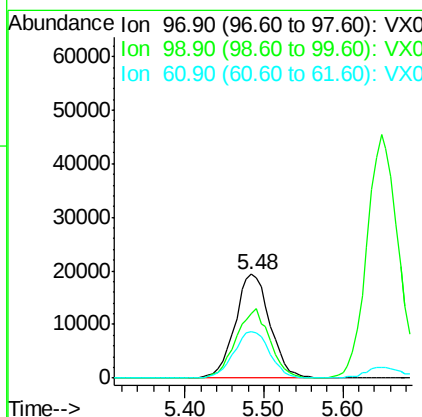
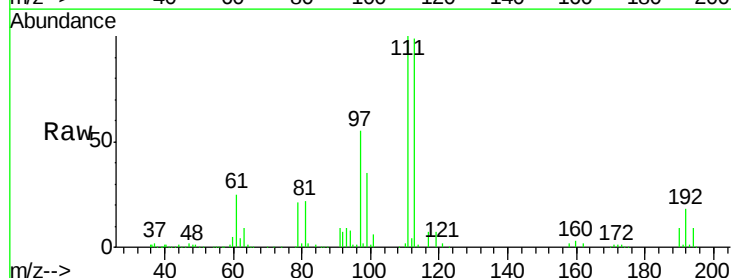
RT: 5.48 min Scan# 754

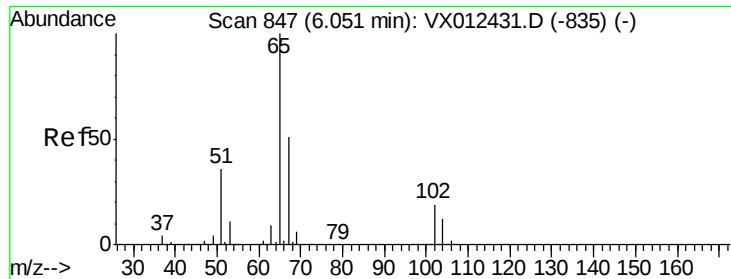
Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	97	Resp:	59266
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.3	76.9
61	46.9	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 49.714 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 65 Resp: 140651

Ion Ratio Lower Upper

65 100

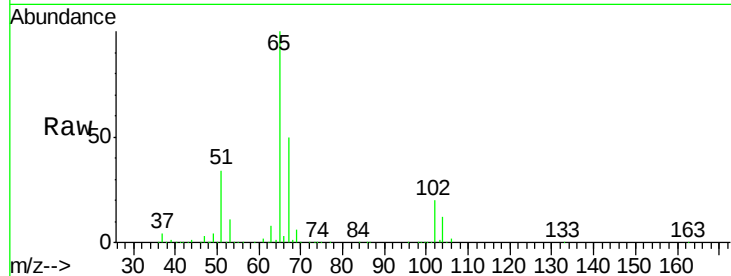
67 50.0 0.0 101.2

Manual Integrations

APPROVED

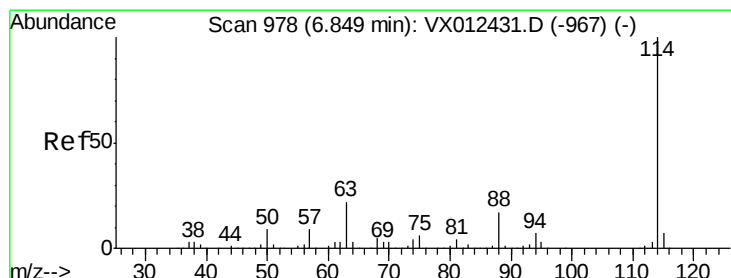
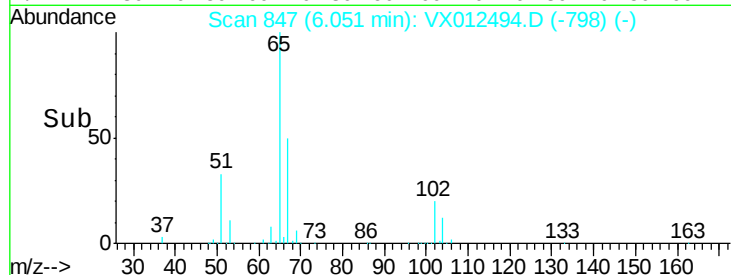
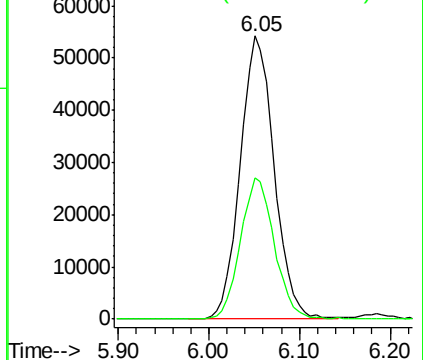
MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

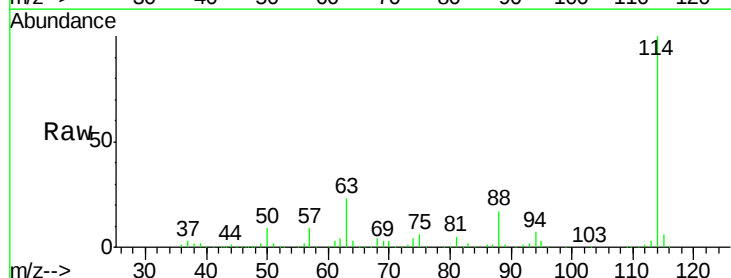
Tgt Ion: 114 Resp: 337435

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.2

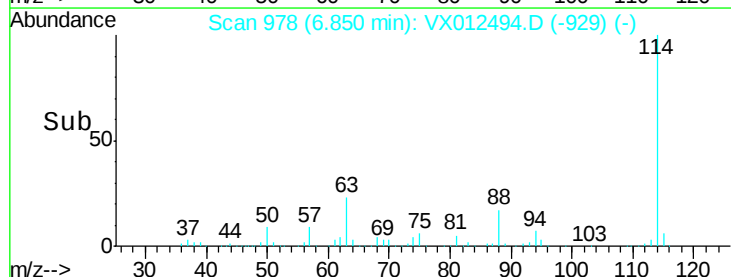
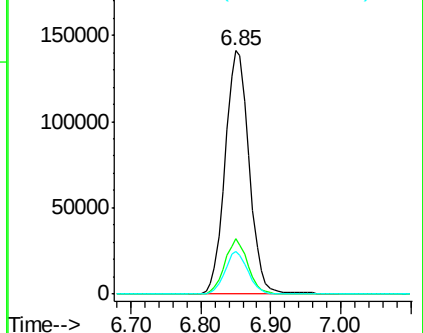
88 17.3 0.0 33.2

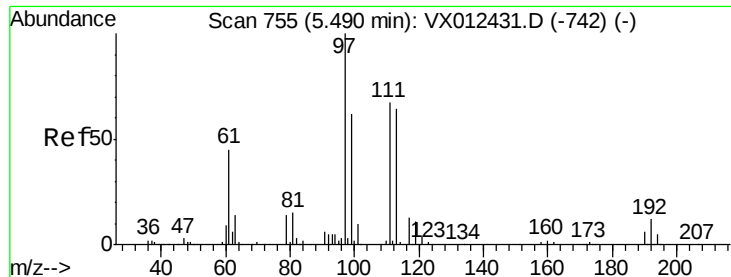


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.944 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

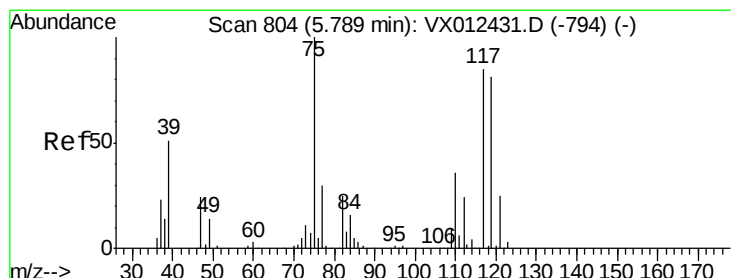
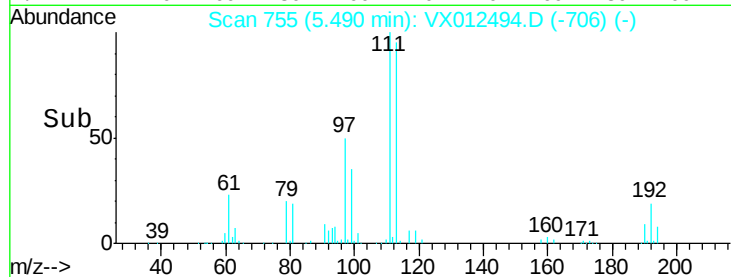
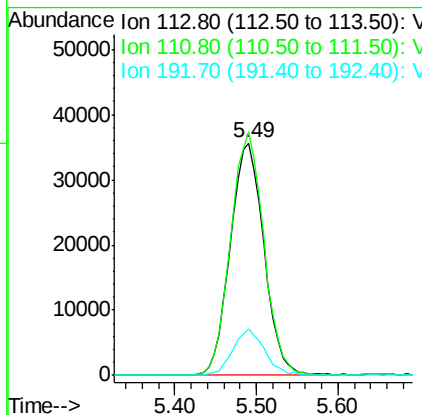
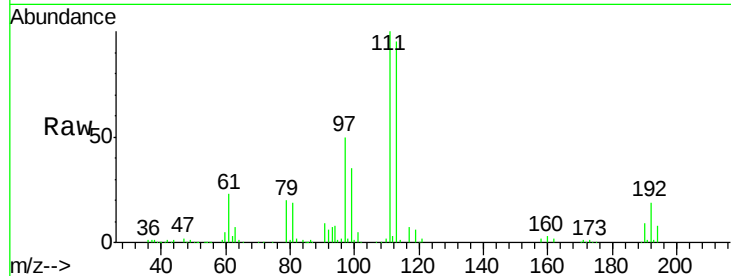
ClientSampleId :

VX0918WBSD02

Tot Ion:	113	Resp:	102004
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.4	125.2
192	18.6	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#36

1,1-Dichloropropene

Concen: 18.153 ug/l

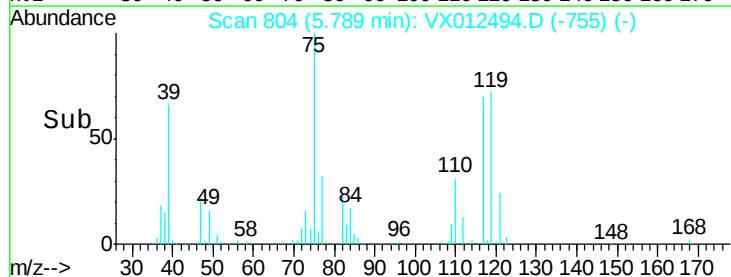
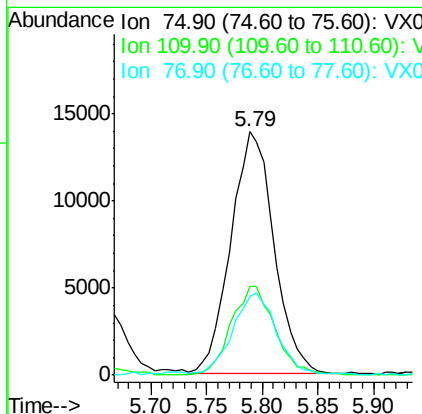
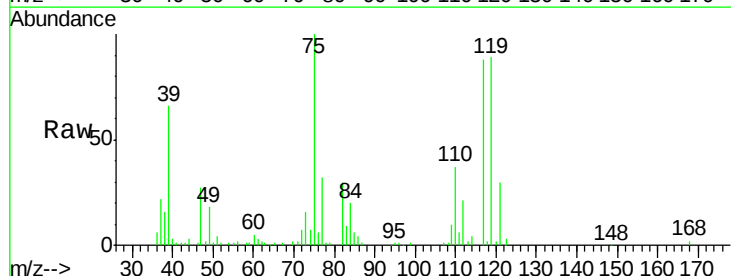
RT: 5.79 min Scan# 804

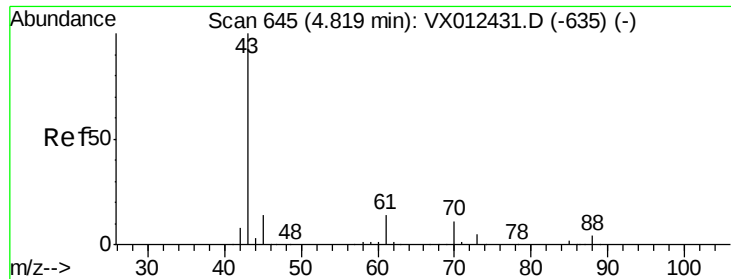
Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	75	Resp:	37227
Ion Ratio	Lower	Upper	
75	100		
110	37.3	16.7	50.0
77	34.9	24.2	36.2





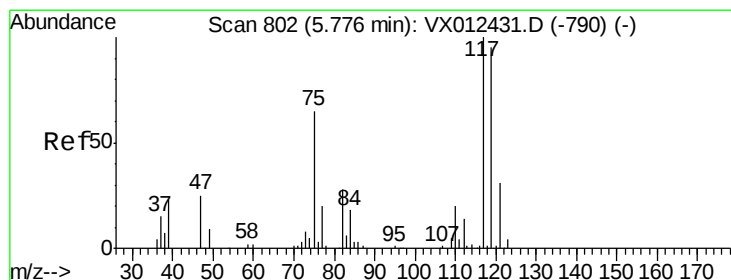
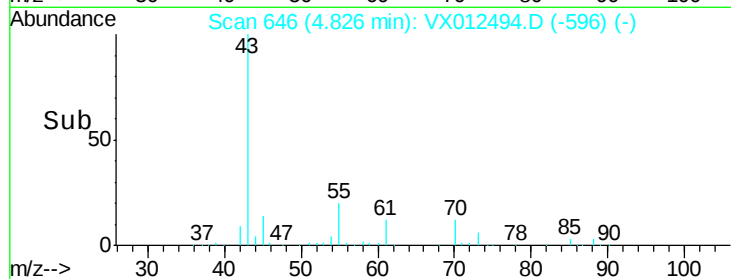
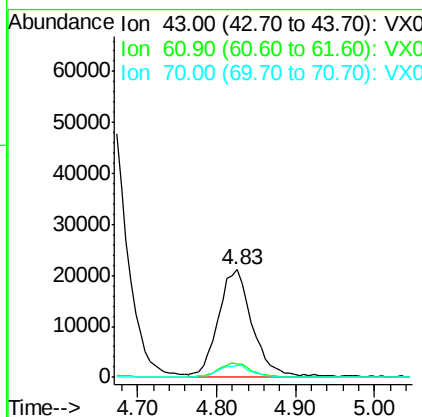
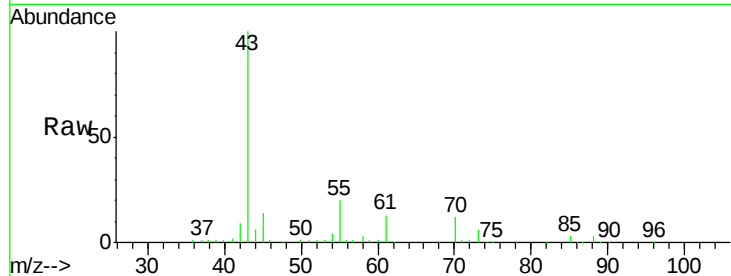
#37
Ethyl Acetate
Concen: 19.790 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	11.8	8.7	13.1

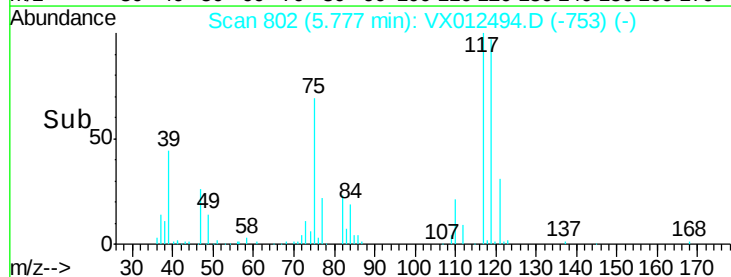
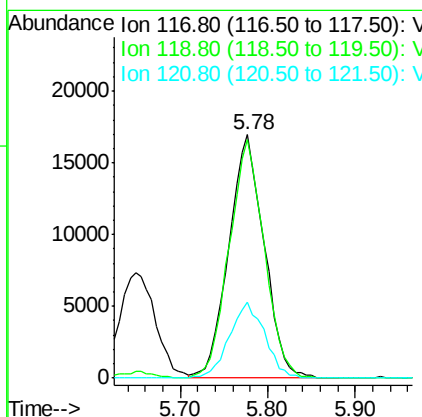
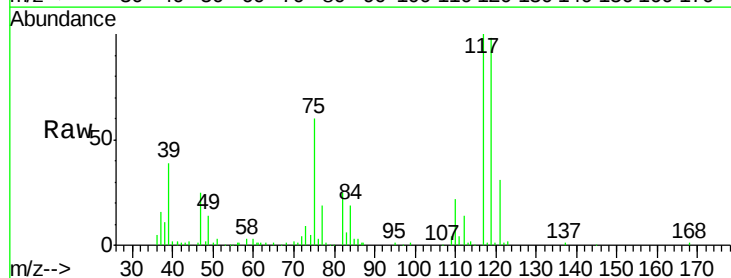
Manual Integrations
APPROVED

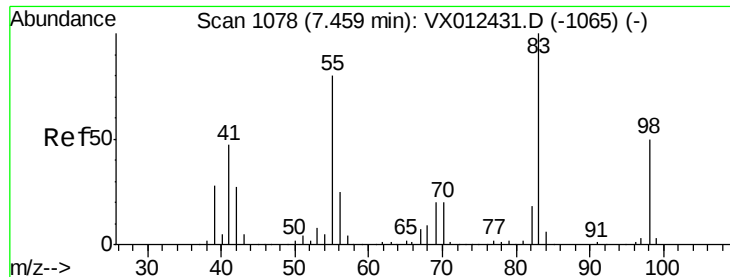
MMDadoda
9/19/2019 1:06:22 PM



#38
Carbon Tetrachloride
Concen: 18.649 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.7	113.5
121	31.3	24.2	36.4





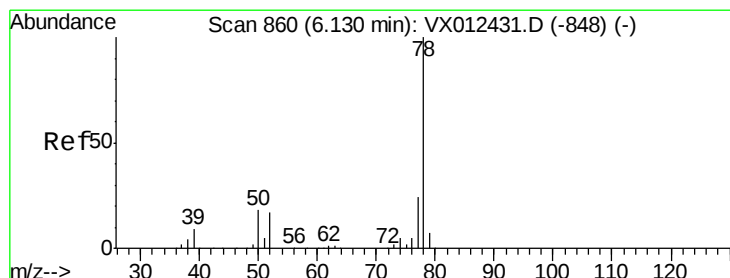
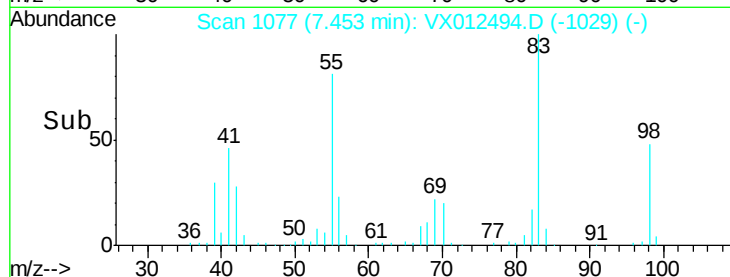
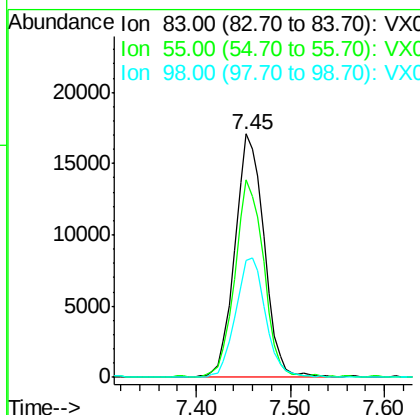
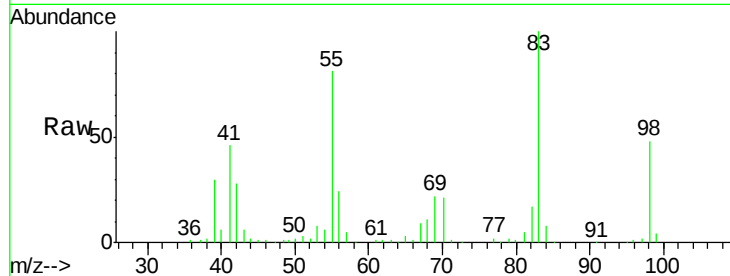
#39
Methylvlcyclohexane
Concen: 18.527 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	83	Resp	36936
Ion Ratio	100	Lower	Upper
83	100		
55	81.2	64.4	96.6
98	47.9	40.1	60.1

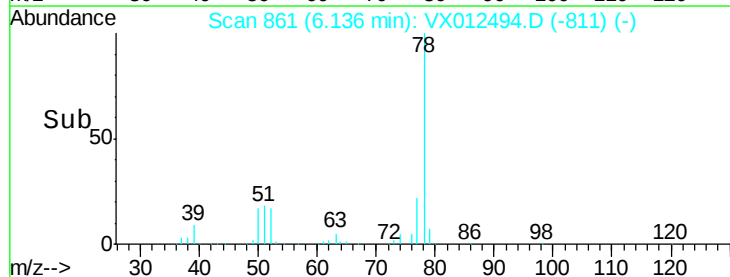
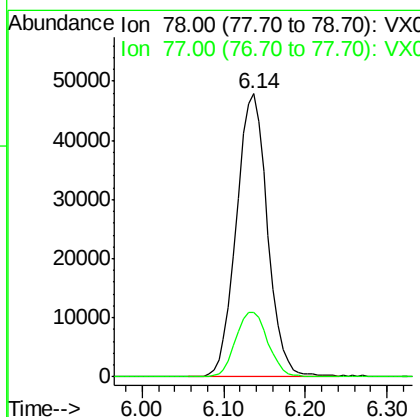
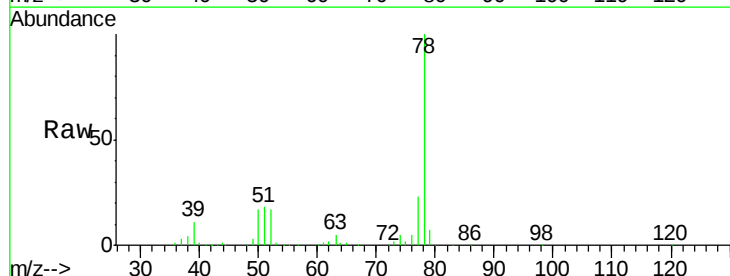
Manual Integrations
APPROVED

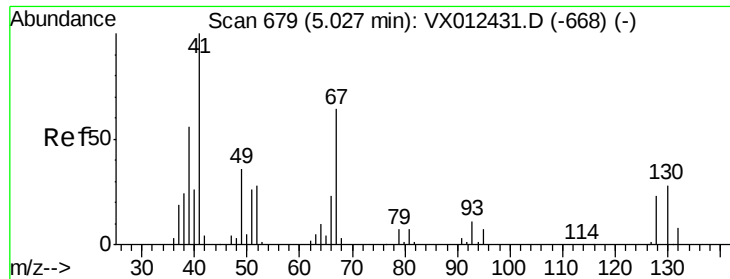
MMDadoda
9/19/2019 1:06:22 PM



#40
Benzene
Concen: 19.421 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	78	Resp	126650
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	19.2	28.8





#41

Methacrylonitrile

Concen: 17.806 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 41 Resp: 36091

Ion Ratio Lower Upper

41 100

39 57.2 46.0 69.0

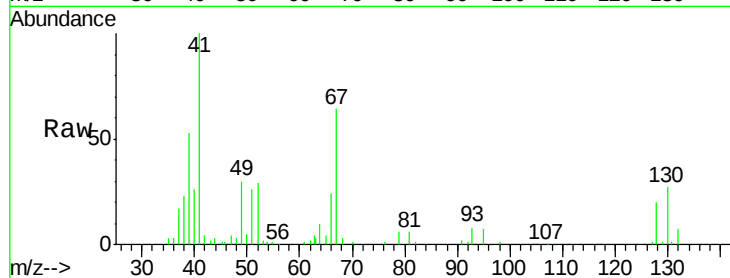
67 69.8 52.2 78.2

52 31.6 22.7 34.1

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:06:22 PM



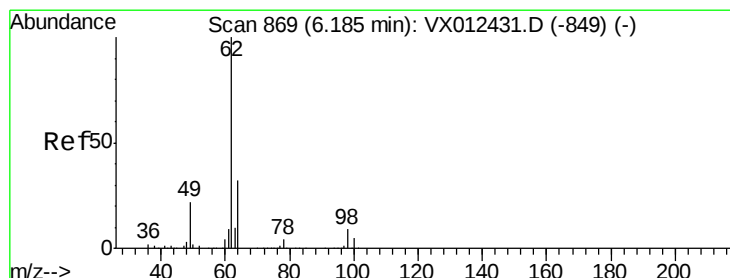
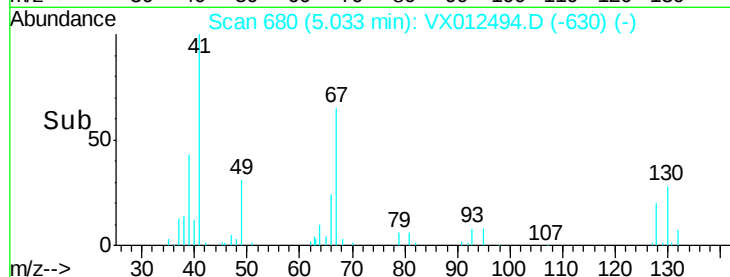
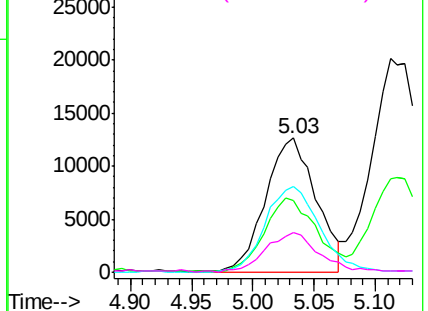
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.135 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012494.D

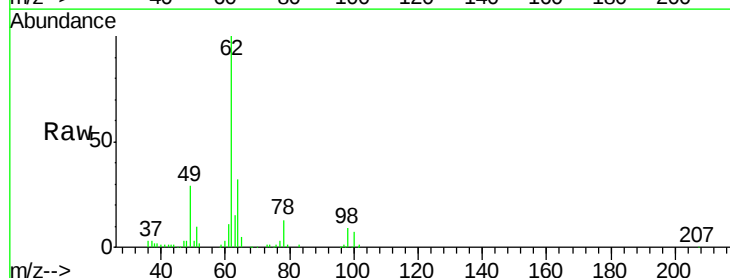
Acq: 18 Sep 2019 23:57

Tgt Ion: 62 Resp: 57877

Ion Ratio Lower Upper

62 100

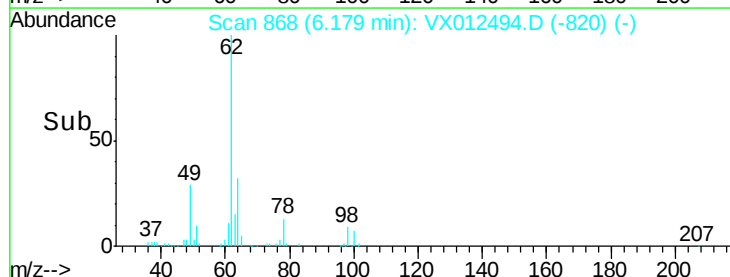
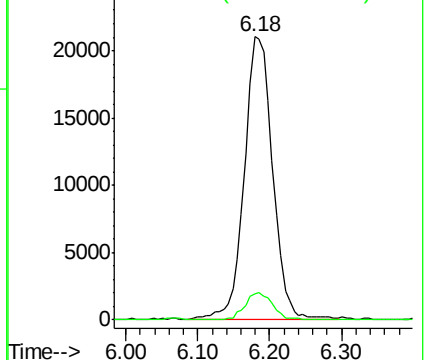
98 9.3 0.0 17.8

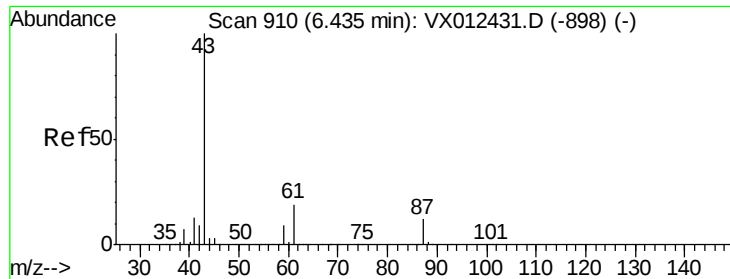


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

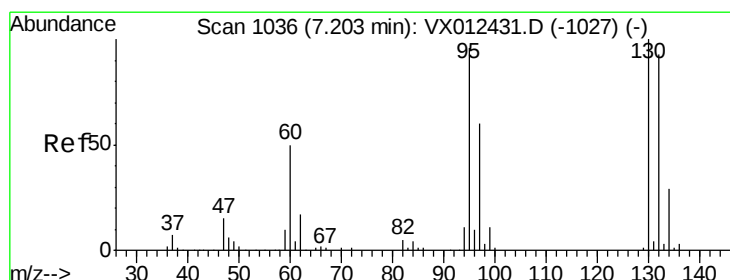
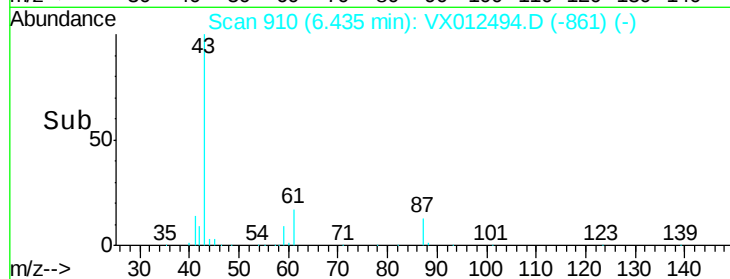
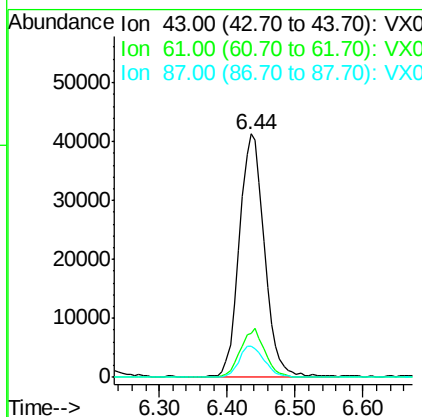
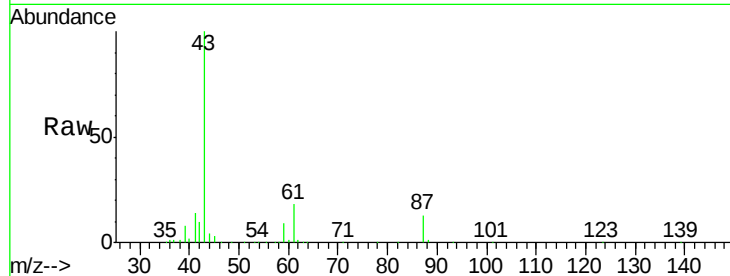
Isopropyl Acetate
 Concen: 18.651 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	13.1	9.8	14.8

Manual Integrations
 APPROVED

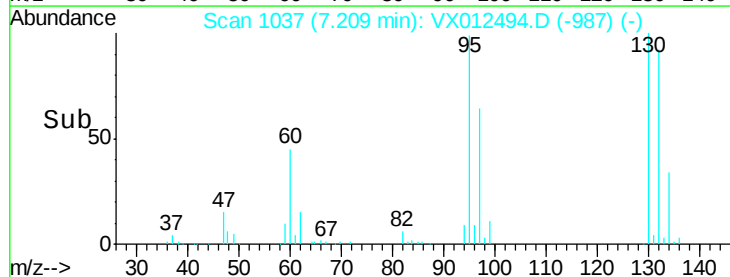
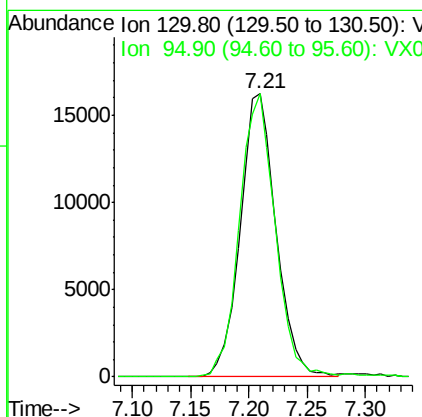
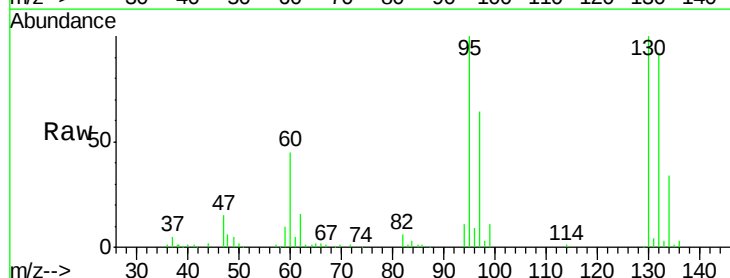
MMDadoda
 9/19/2019 1:06:22 PM

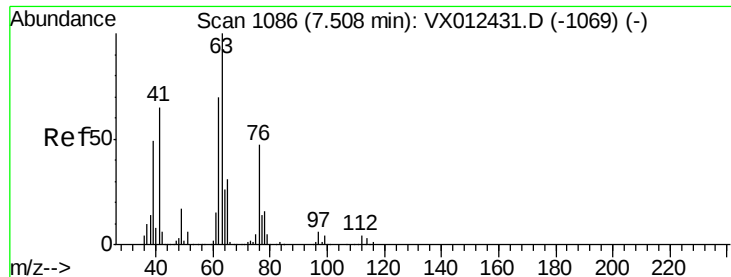


#44

Trichloroethene
 Concen: 20.239 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	193.0





#45

1,2-Dichloropropane

Concen: 18.948 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 63 Resp: 37963

Ion Ratio Lower Upper

63 100

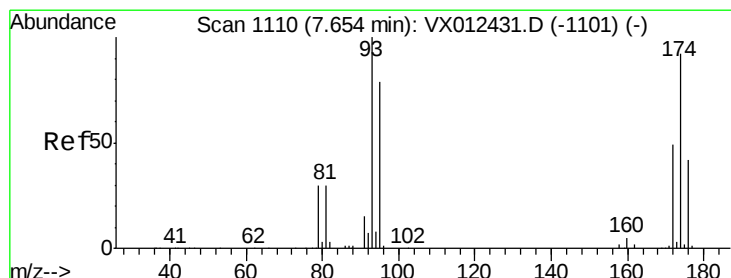
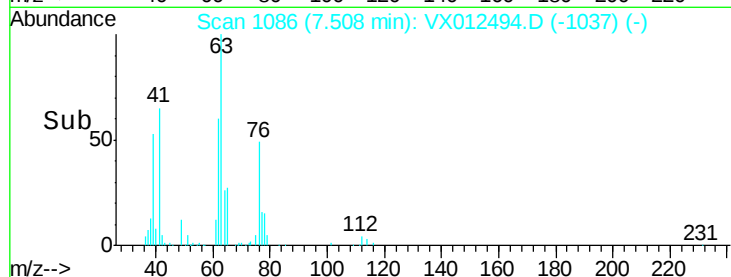
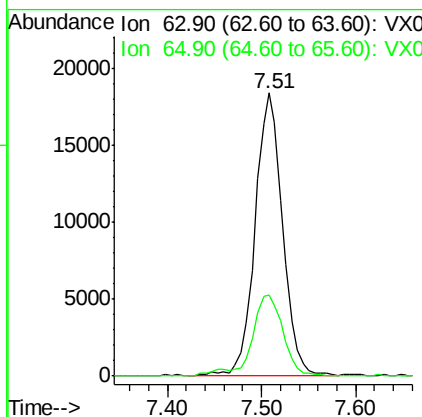
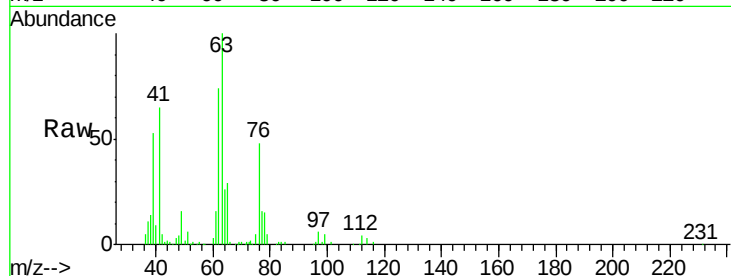
65 28.7 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#46

Dibromomethane

Concen: 19.928 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

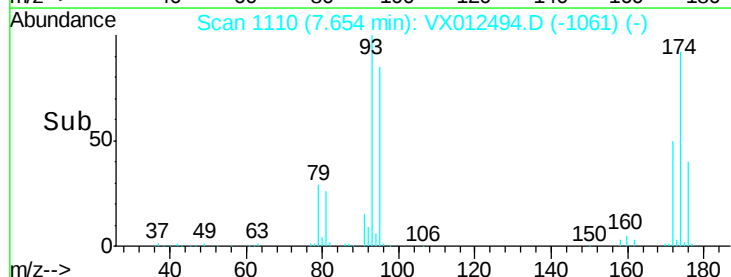
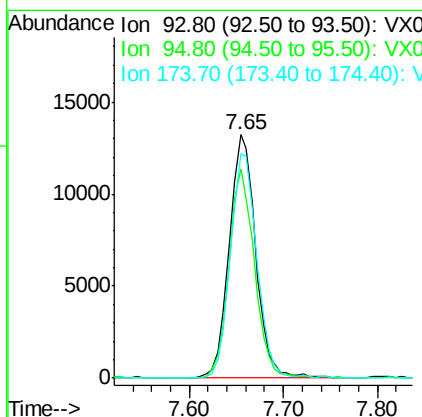
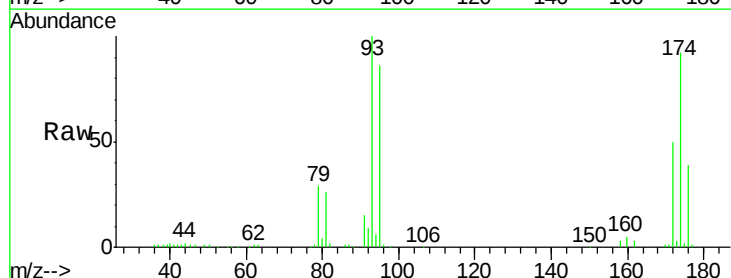
Tgt Ion: 93 Resp: 25837

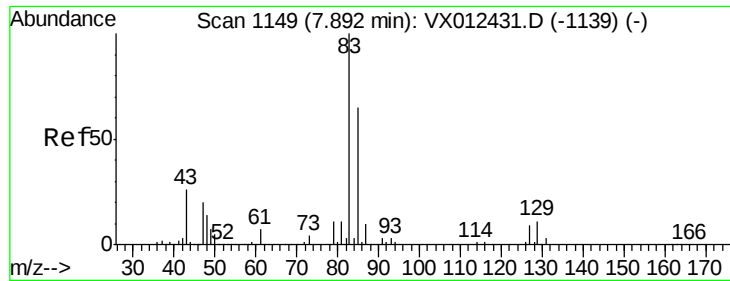
Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 92.2 77.4 116.0





#47

Bromodichloromethane

Concen: 18.838 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

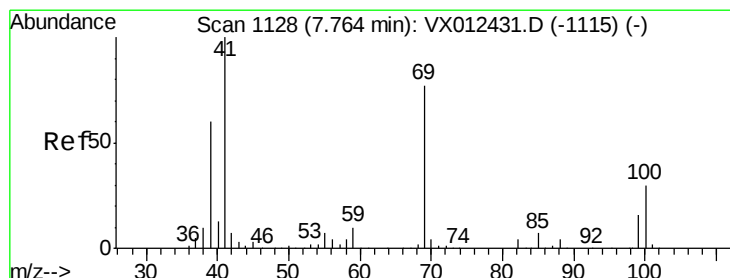
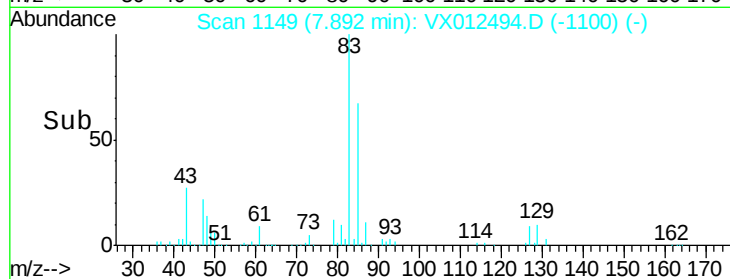
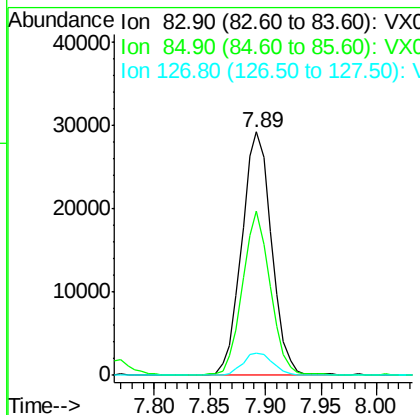
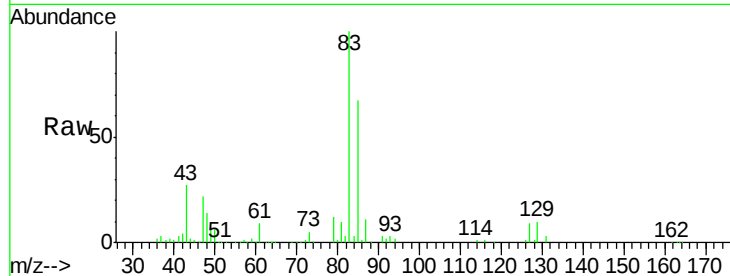
ClientSampleId :

VX0918WBSD02

Tot Ion:	83	Resp:	54383
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#48

Methyl methacrylate

Concen: 18.380 ug/l

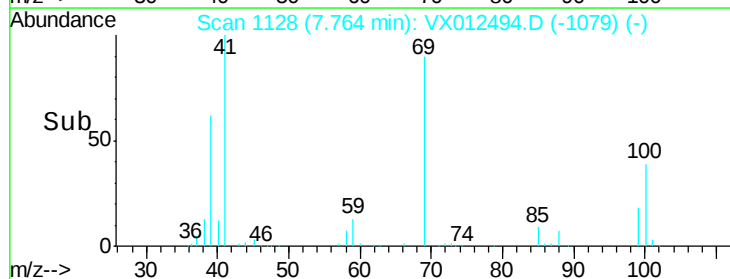
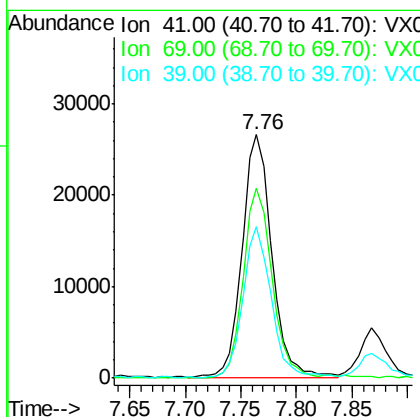
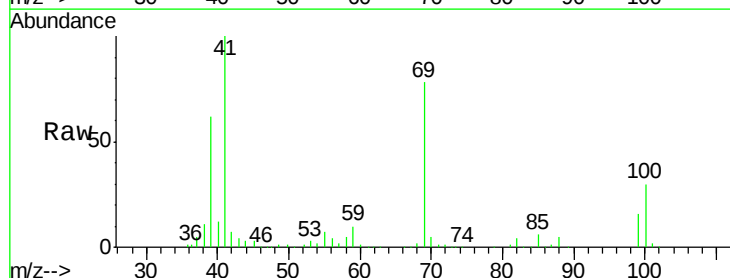
RT: 7.76 min Scan# 1128

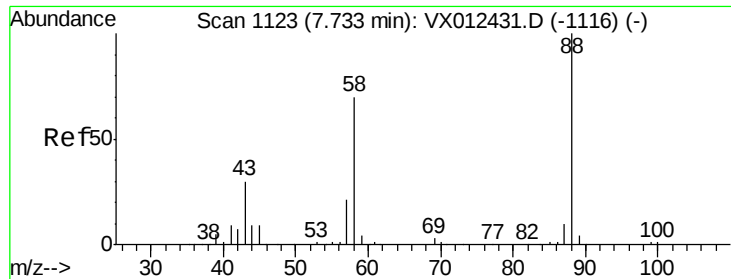
Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	41	Resp:	48951
Ion	Ratio	Lower	Upper
41	100		
69	77.3	59.9	89.9
39	59.7	47.8	71.6





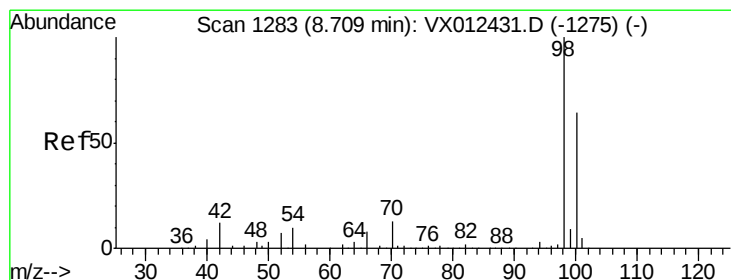
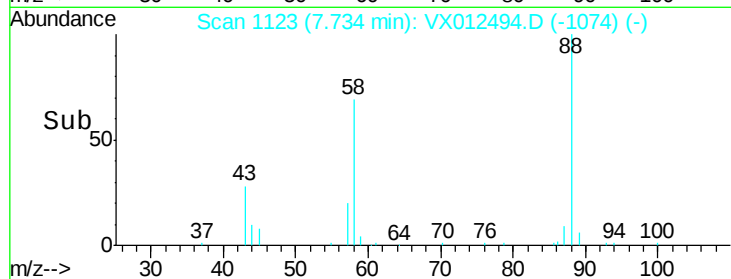
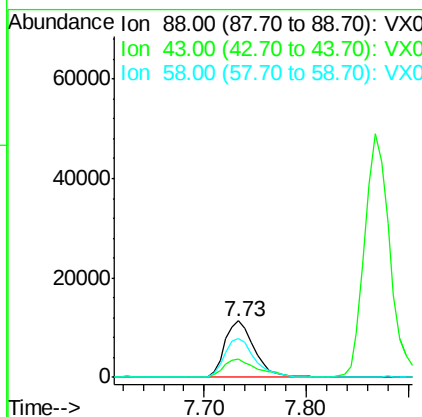
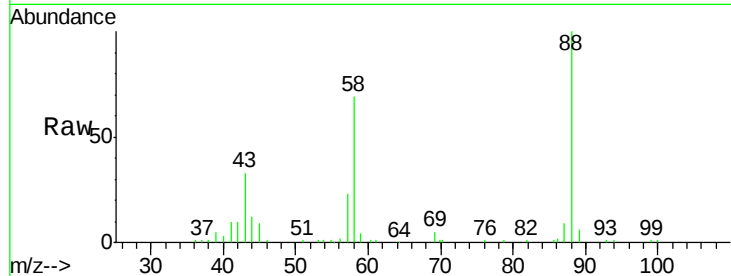
#49
1,4-Dioxane
Concen: 353.158 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.4	44.0
58	71.6	57.5	86.3

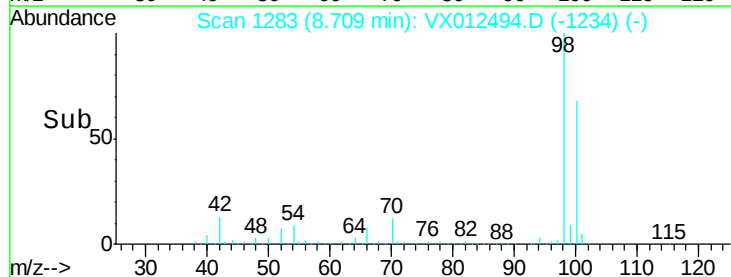
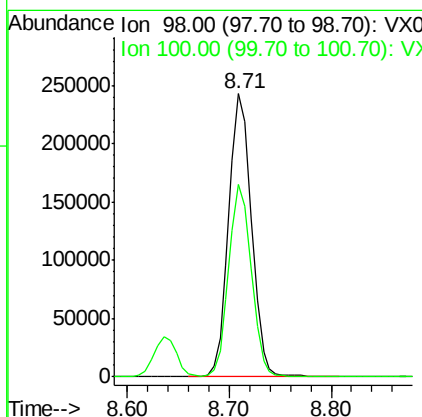
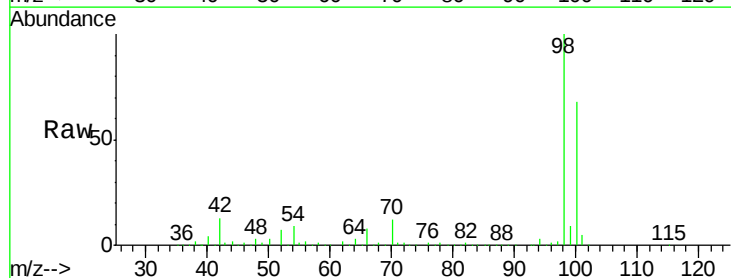
Manual Integrations
APPROVED

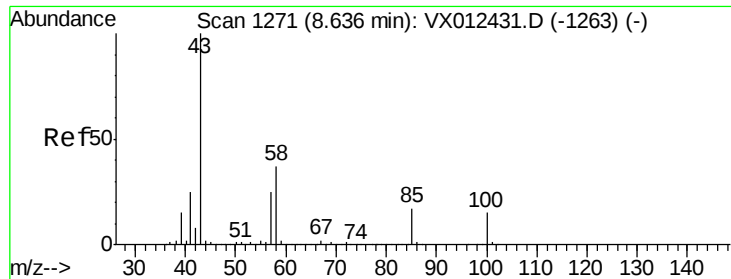
MMDadoda
9/19/2019 1:06:22 PM



#50
Toluene-d8
Concen: 49.719 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 94.492 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleID :

VX0918WBSD02

Tot Ion: 43 Resp: 350110

Ion Ratio Lower Upper

43 100

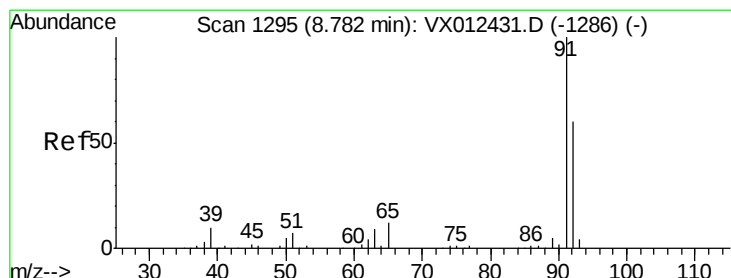
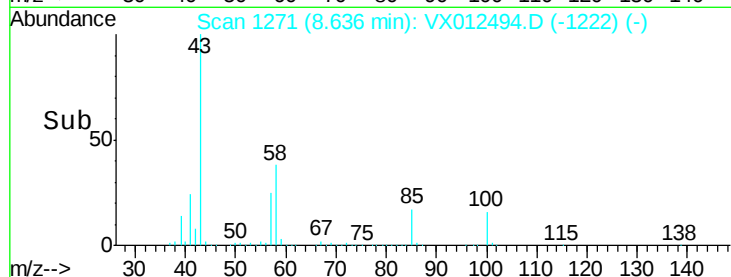
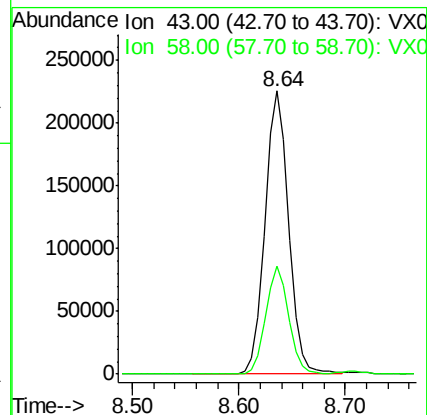
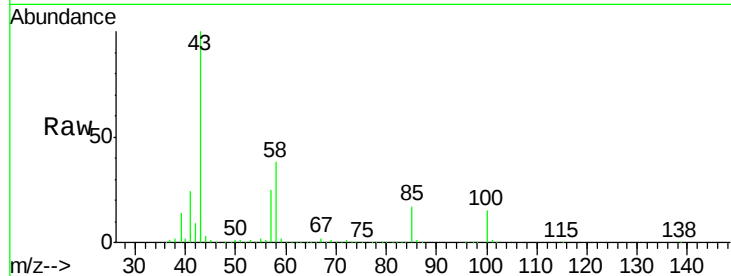
58 37.2 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#52

Toluene

Concen: 19.366 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012494.D

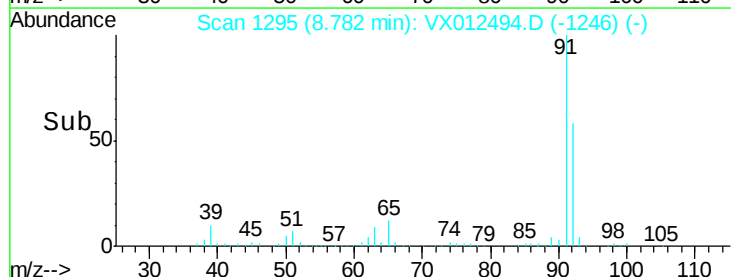
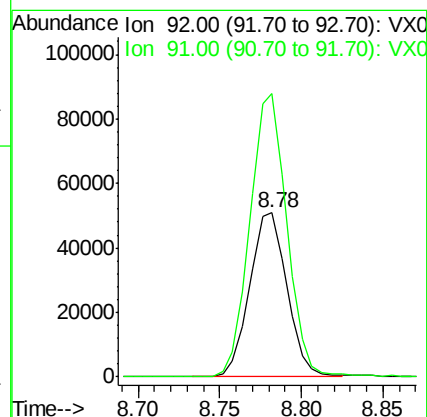
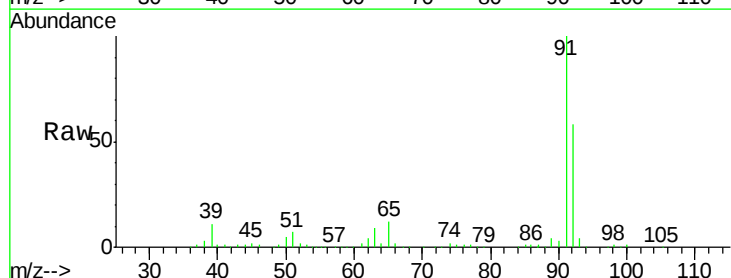
Acq: 18 Sep 2019 23:57

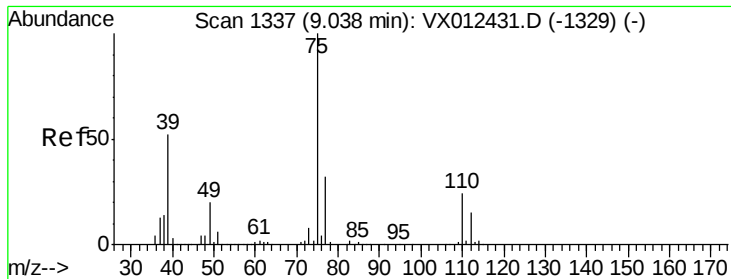
Tgt Ion: 92 Resp: 81380

Ion Ratio Lower Upper

92 100

91 171.6 135.4 203.0





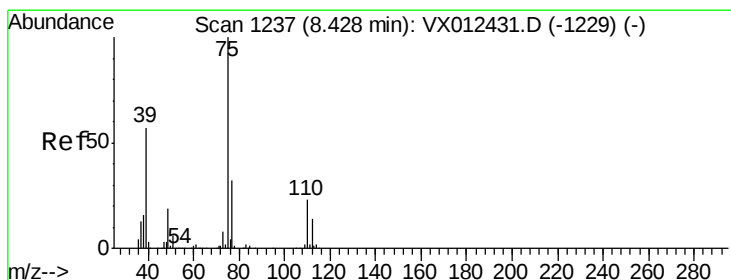
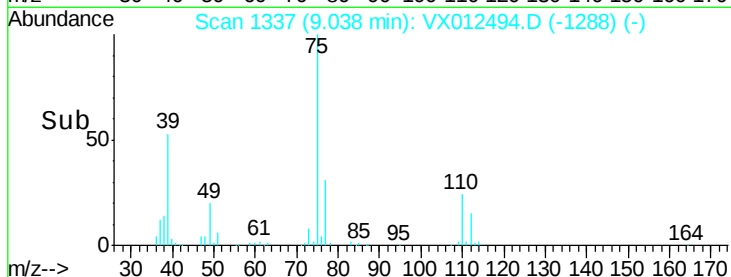
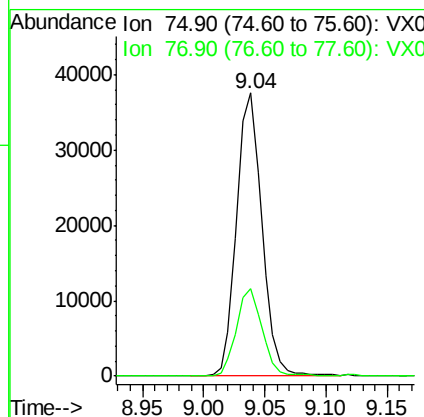
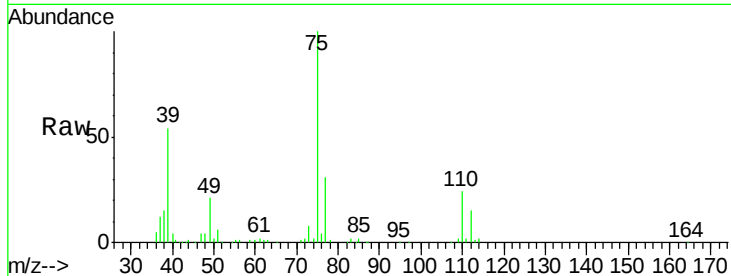
#53
t-1,3-Dichloropropene
Concen: 17.925 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion: 75 Resp: 53791
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8

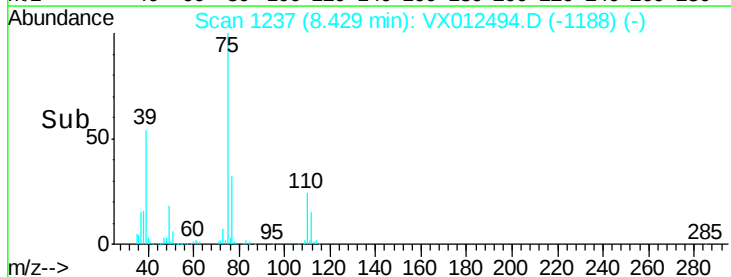
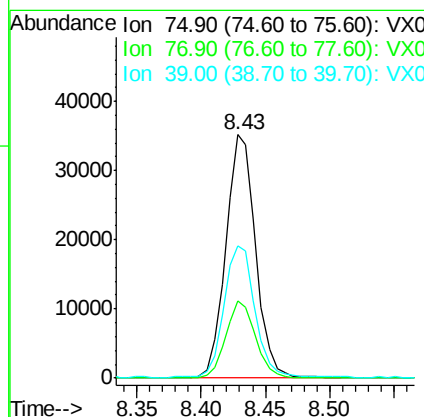
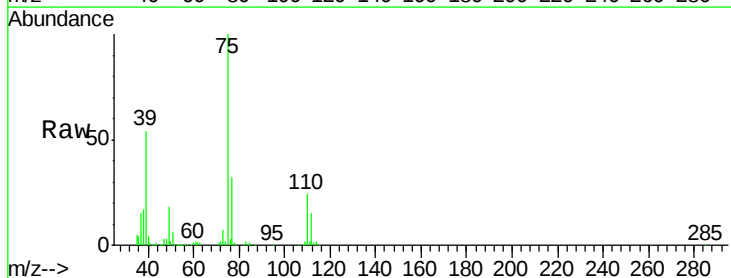
Manual Integrations
APPROVED

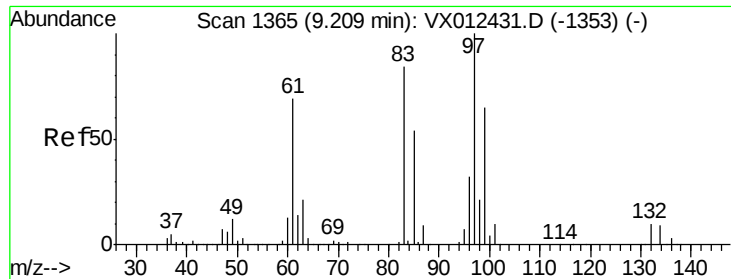
MMDadoda
9/19/2019 1:06:22 PM



#54
cis-1,3-Dichloropropene
Concen: 18.459 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion: 75 Resp: 57346
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 53.8 45.5 68.3





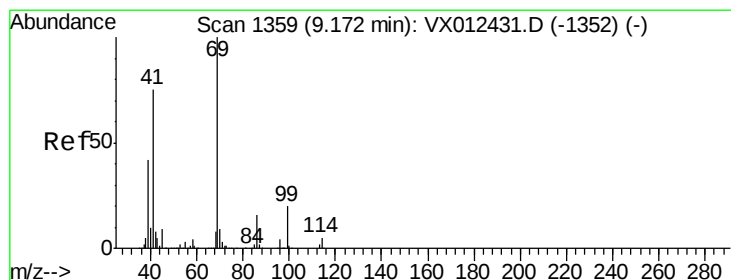
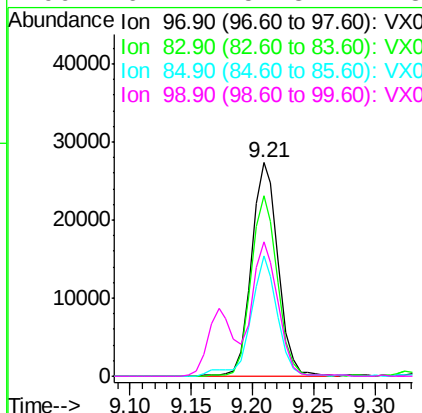
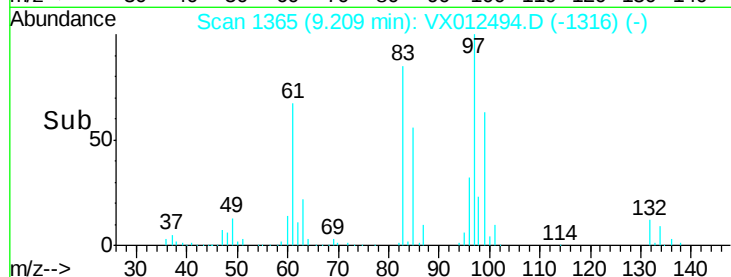
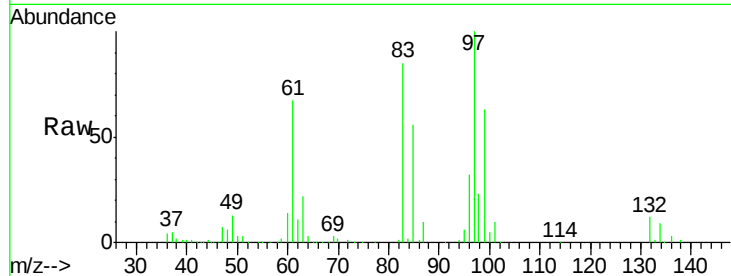
#55
 1,1,2-Trichloroethane
 Concen: 19.253 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion:	97	Resp:	41681
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	56.2	43.5	65.3
99	62.2	51.8	77.8

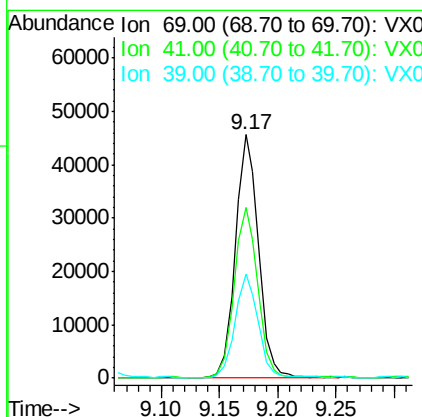
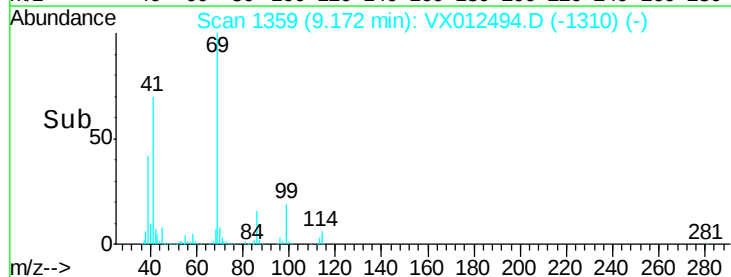
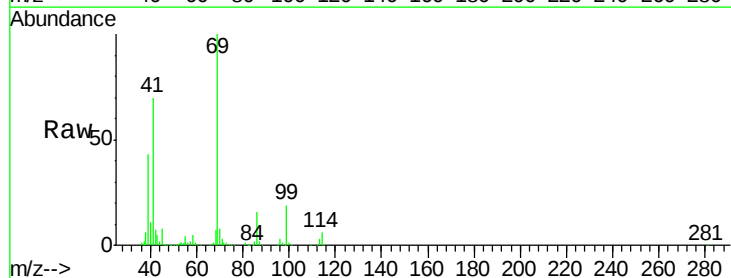
Manual Integrations
 APPROVED

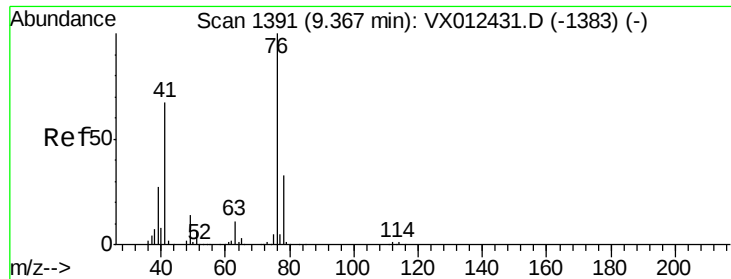
MMDadoda
 9/19/2019 1:06:22 PM



#56
 Ethyl methacrylate
 Concen: 18.583 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion:	69	Resp:	62902
Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.4	87.6
39	42.6	33.4	50.0





#57

1,3-Dichloropropane

Concen: 19.317 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 76 Resp: 66725

Ion Ratio Lower Upper

76 100

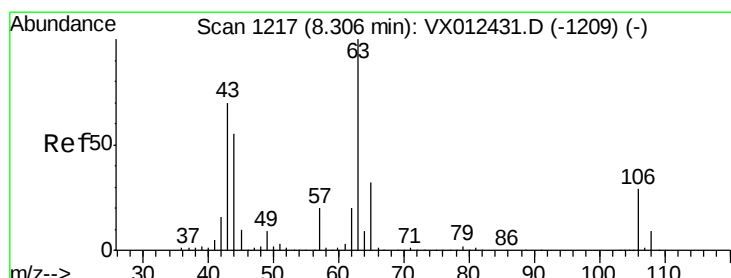
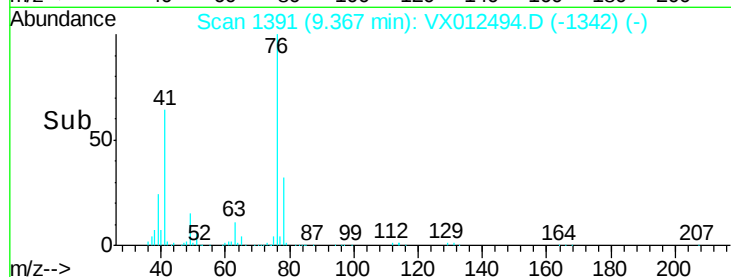
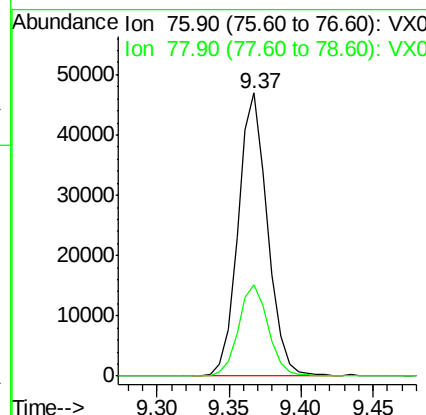
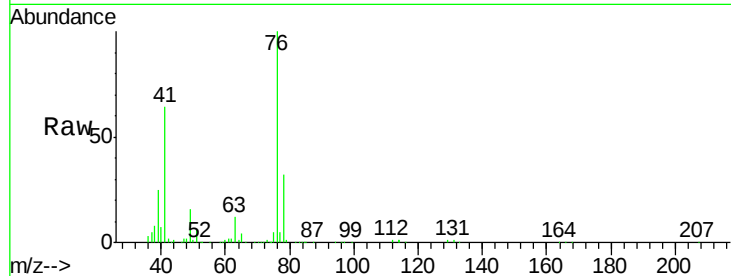
78 32.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.127 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012494.D

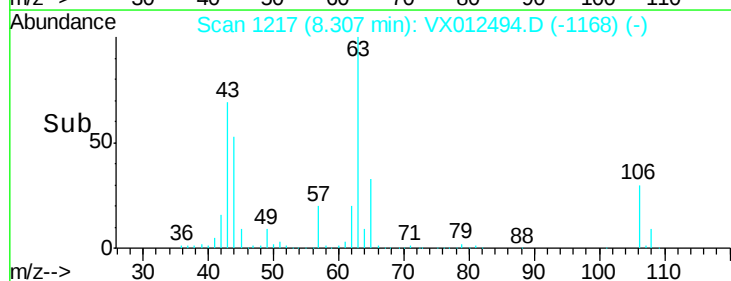
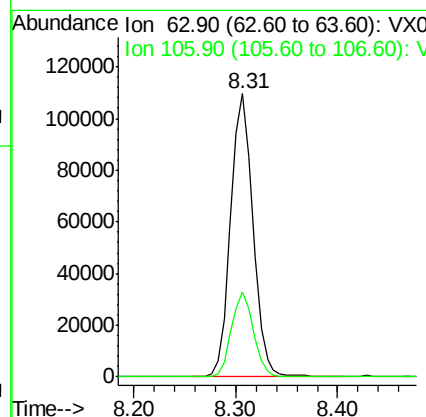
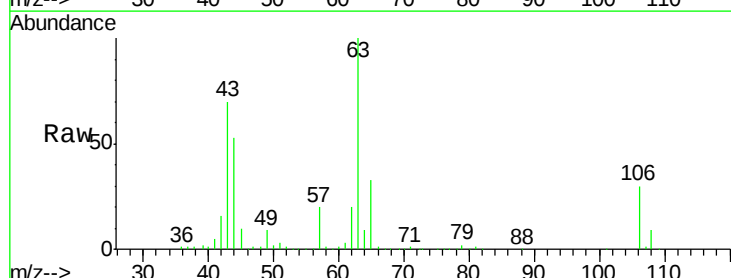
Acq: 18 Sep 2019 23:57

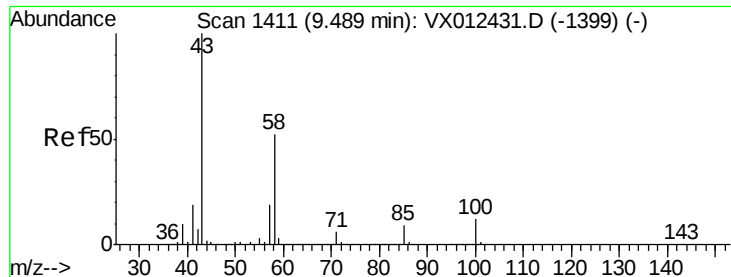
Tgt Ion: 63 Resp: 166675

Ion Ratio Lower Upper

63 100

106 29.6 23.8 35.6





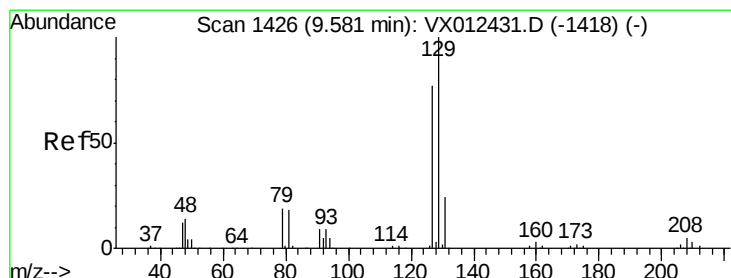
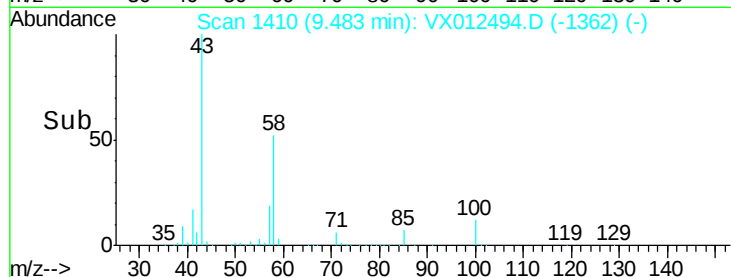
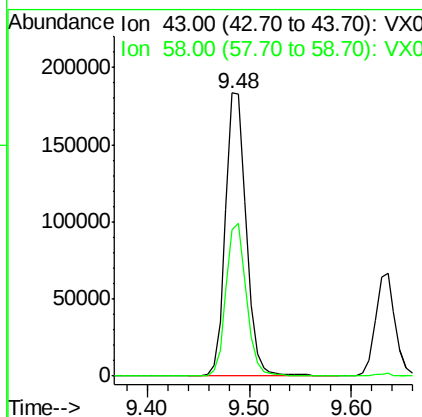
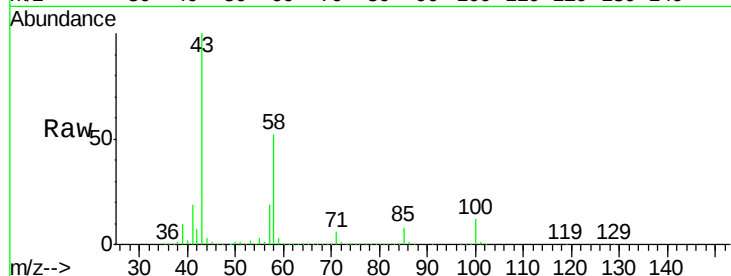
#59
2-Hexanone
Concen: 89.535 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion: 43 Resp: 258815
Ion Ratio Lower Upper
43 100
58 53.0 25.7 77.1

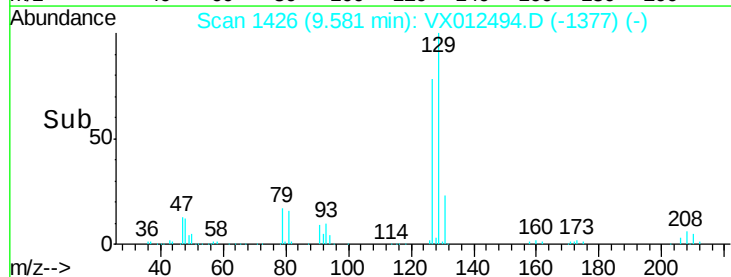
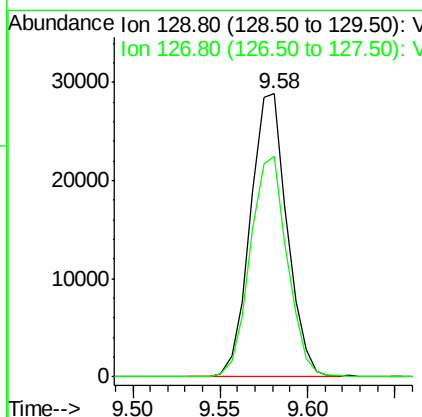
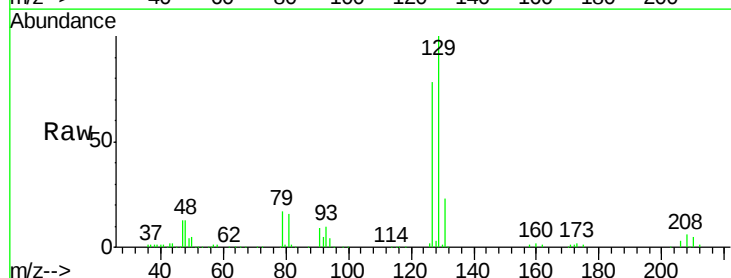
Manual Integrations
APPROVED

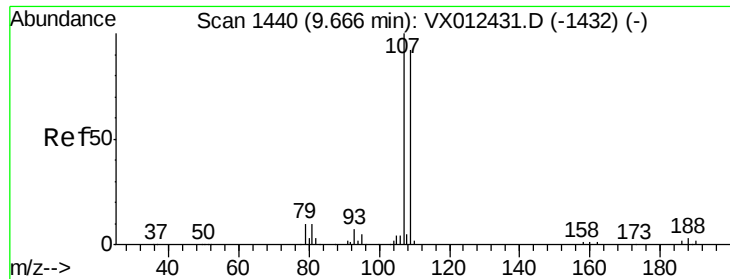
MMDadoda
9/19/2019 1:06:22 PM



#60
Dibromochloromethane
Concen: 19.120 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion: 129 Resp: 42163
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.994 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 107 Resp: 39532

Ion Ratio Lower Upper

107 100

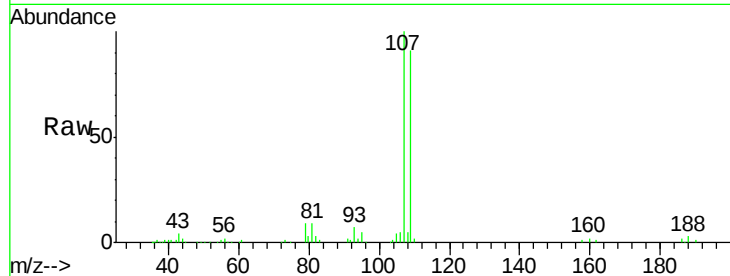
109 93.4 74.7 112.1

Manual Integrations

APPROVED

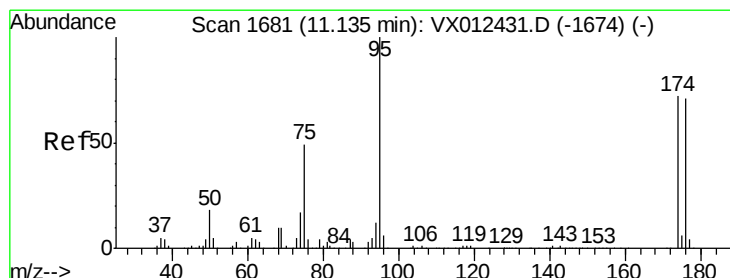
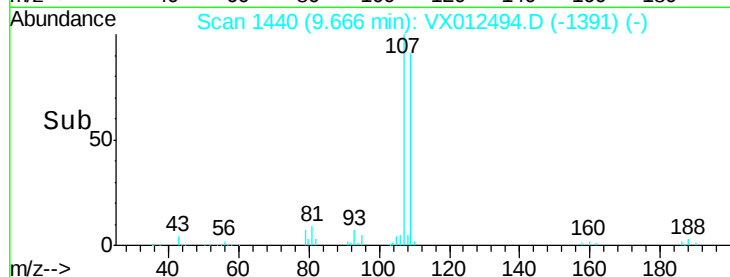
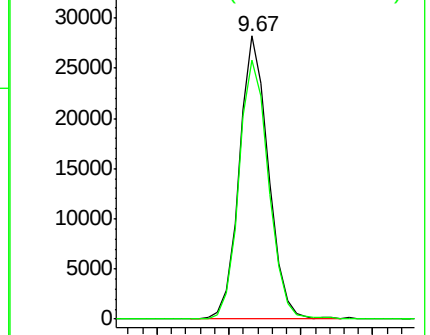
MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.416 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

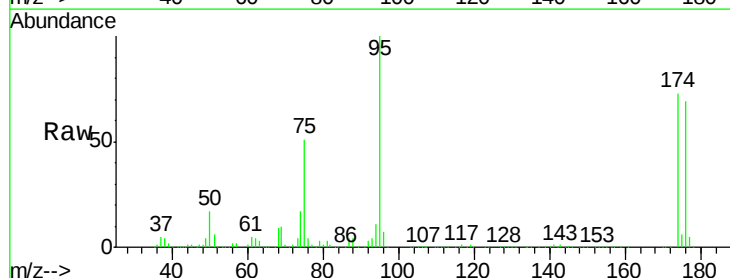
Tgt Ion: 95 Resp: 148831

Ion Ratio Lower Upper

95 100

174 72.9 0.0 140.0

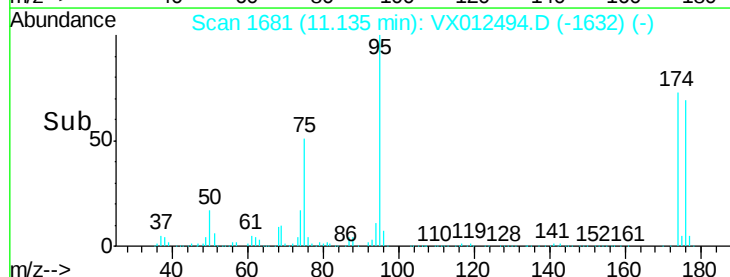
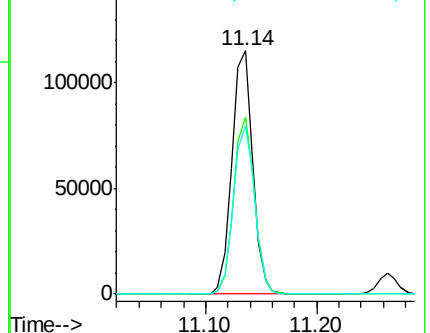
176 70.6 0.0 135.4

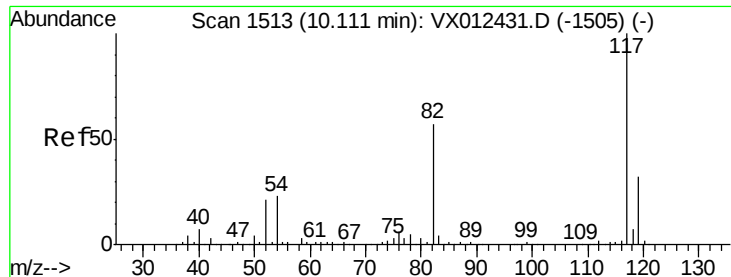


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





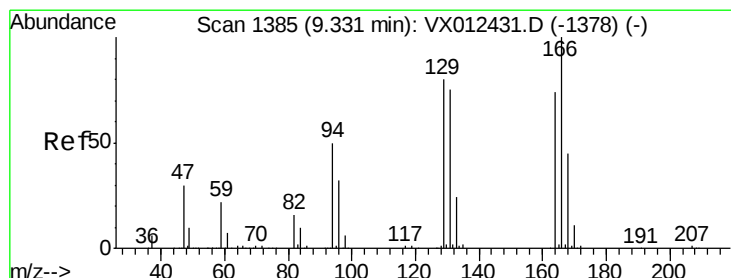
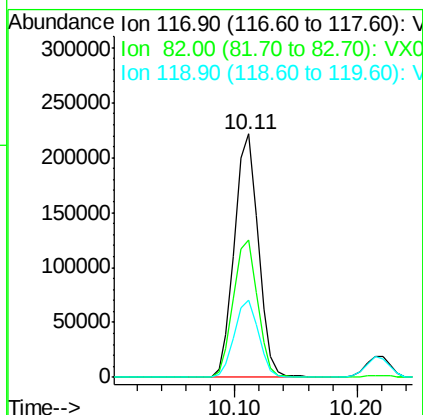
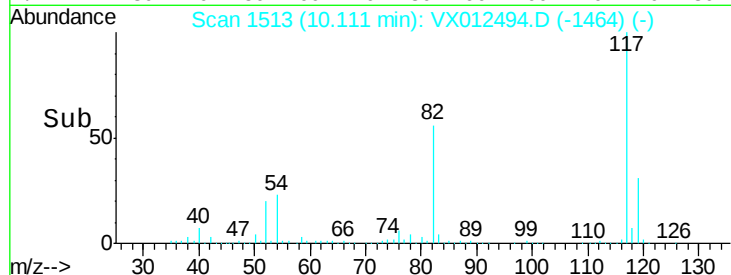
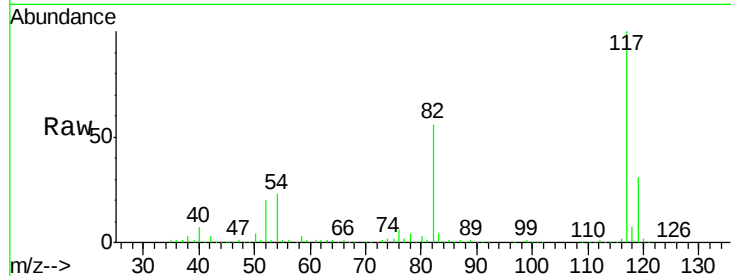
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298968		
82	56.4	45.9	68.9	
119	31.5	25.3	37.9	

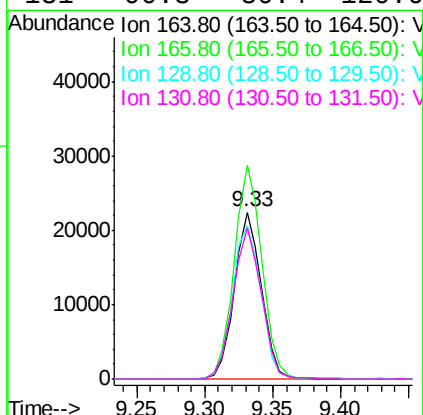
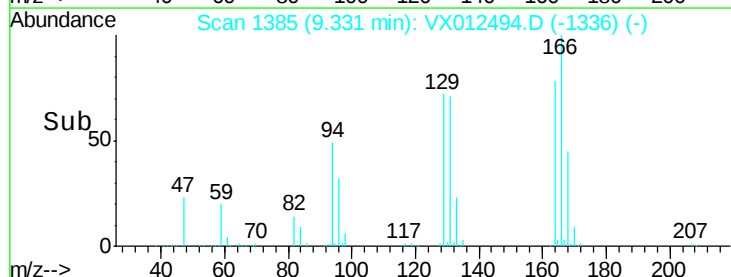
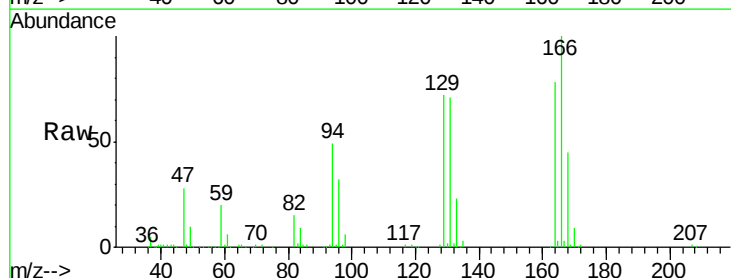
Manual Integrations
APPROVED

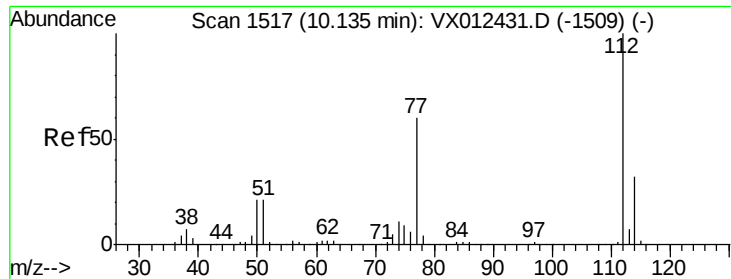
MMDadoda
9/19/2019 1:06:22 PM



#64
Tetrachloroethene
Concen: 22.655 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31037		
166	127.9	107.8	161.6	
129	92.4	86.2	129.2	
131	90.3	80.4	120.6	





#65

Chlorobenzene

Concen: 19.851 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:112 Resp: 97952

Ion Ratio Lower Upper

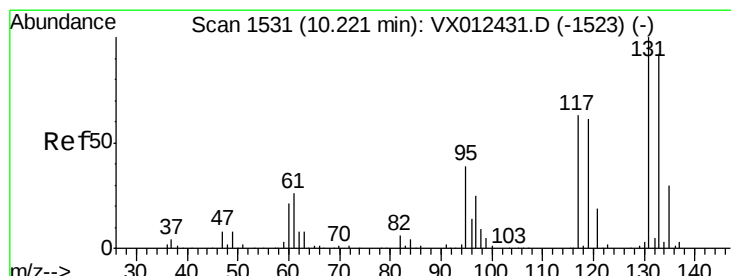
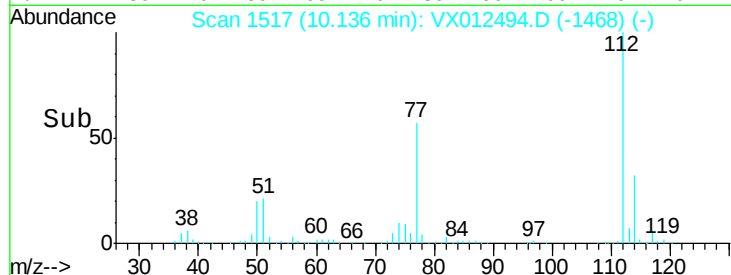
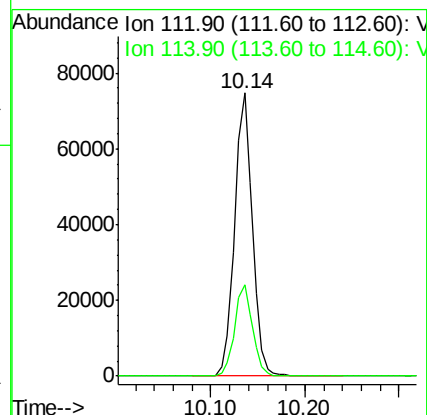
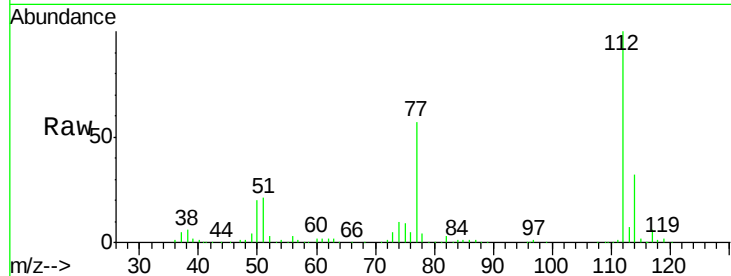
112 100

114 32.2 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.019 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

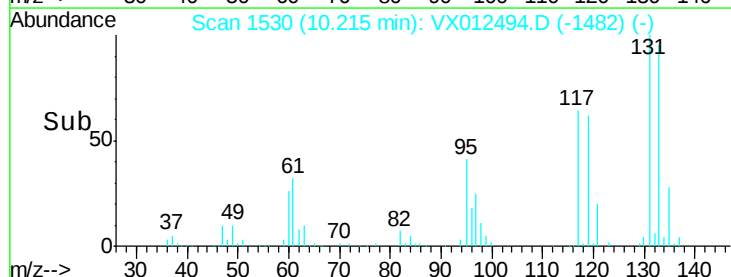
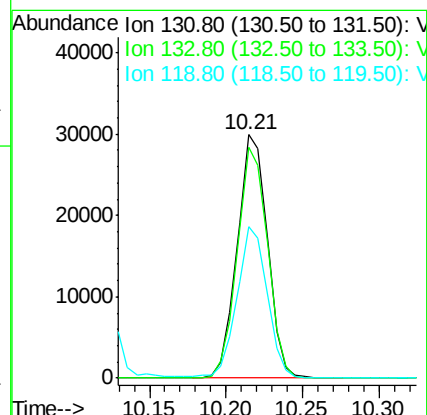
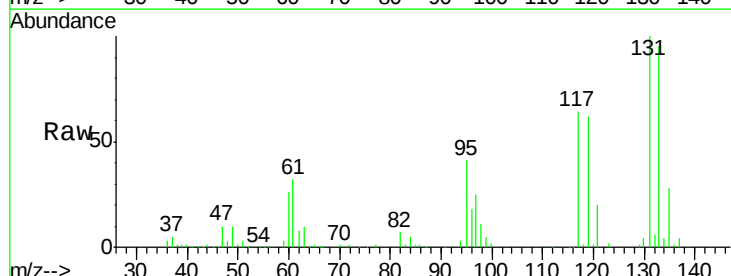
Tgt Ion:131 Resp: 40997

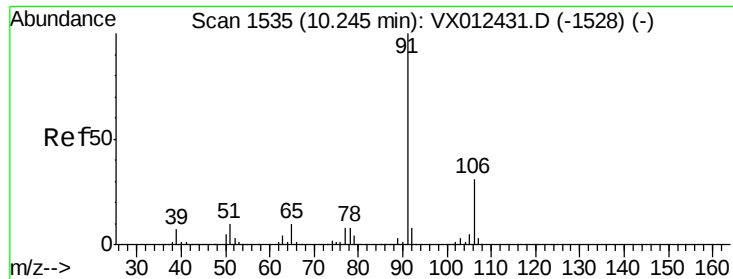
Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

119 62.4 31.3 93.8





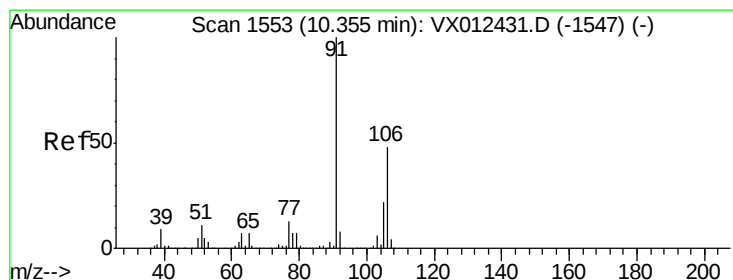
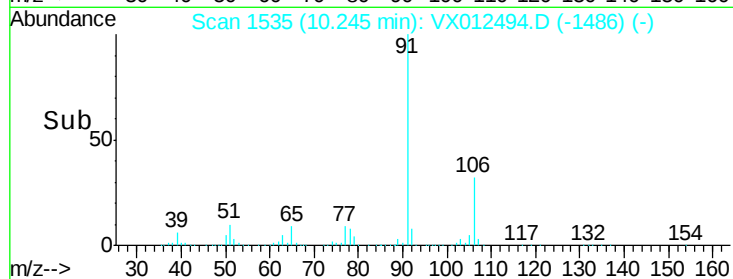
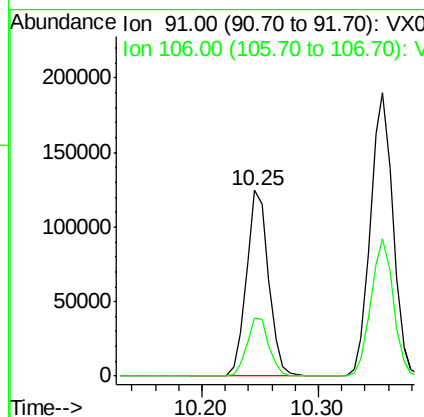
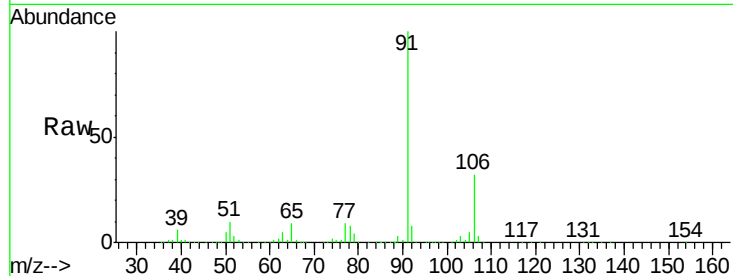
#67
Ethyl Benzene
Concen: 19.564 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion: 91 Resp: 165855
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

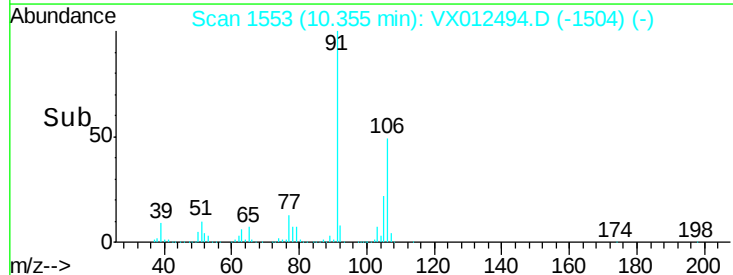
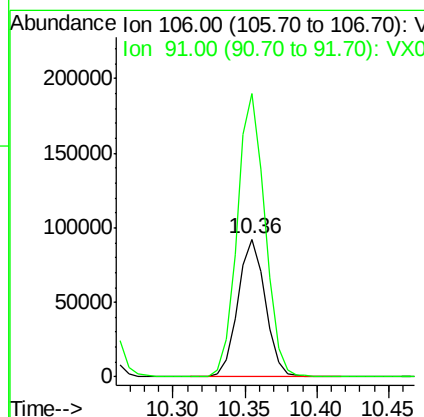
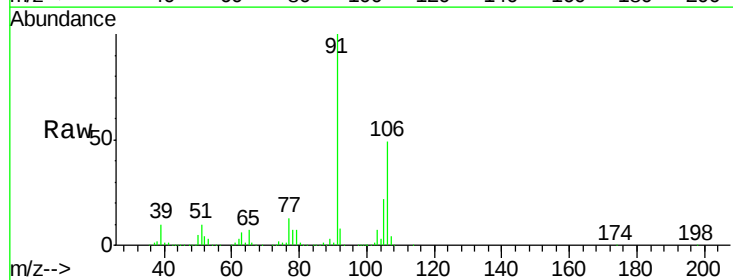
Manual Integrations
APPROVED

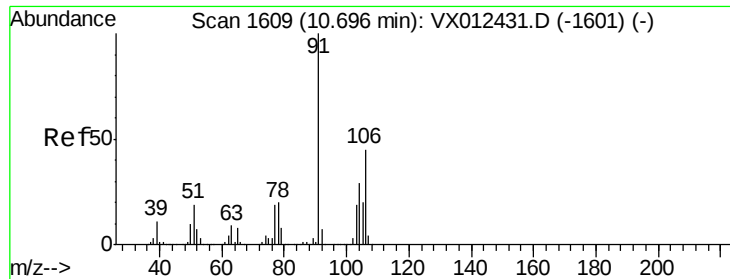
MMDadoda
9/19/2019 1:06:22 PM



#68
m/p-Xylenes
Concen: 39.794 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion: 106 Resp: 122749
Ion Ratio Lower Upper
106 100
91 207.4 166.6 250.0





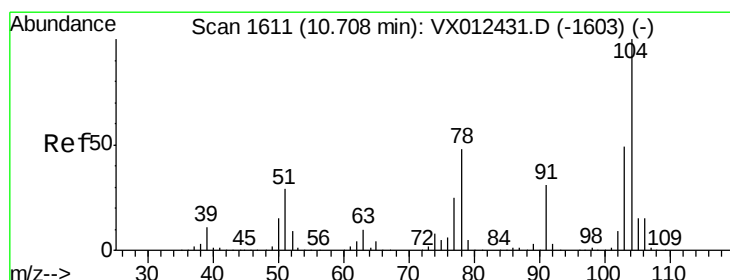
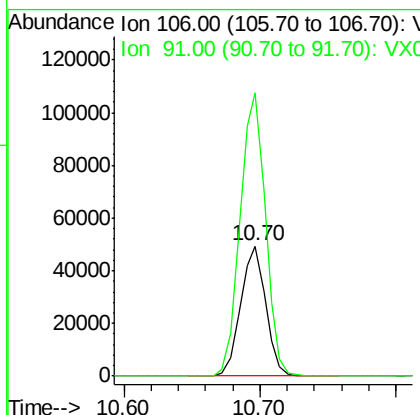
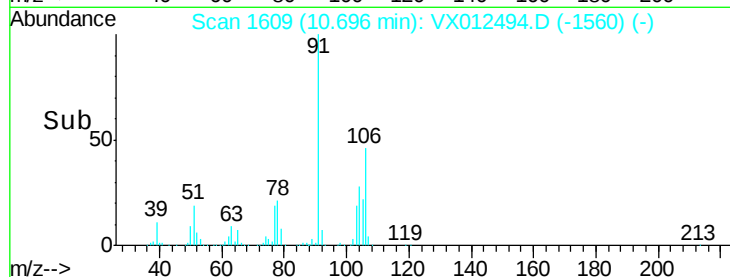
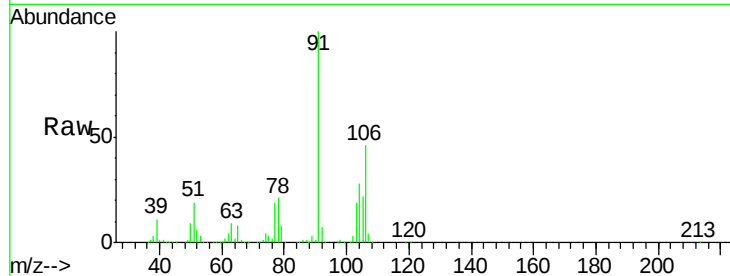
#69
o-Xylene
Concen: 19.931 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion:106 Resp: 63225
Ion Ratio Lower Upper
106 100
91 221.6 109.4 328.2

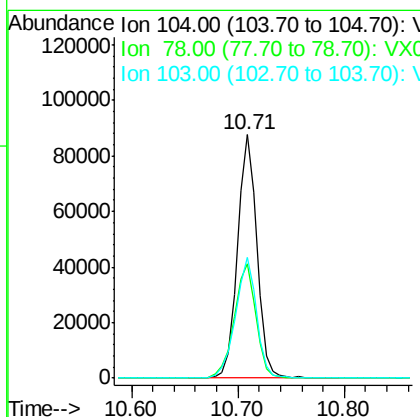
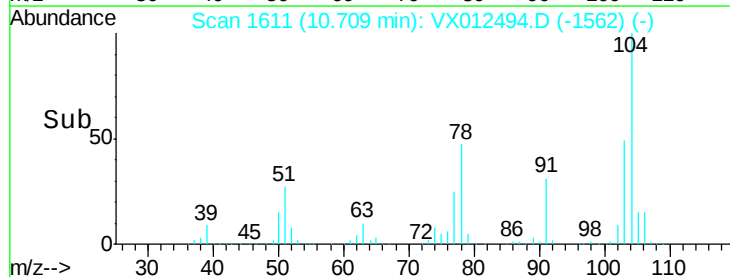
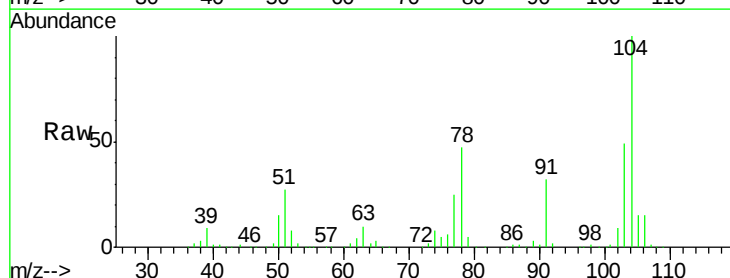
Manual Integrations
APPROVED

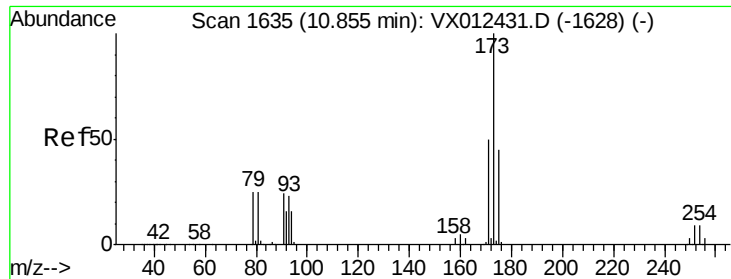
MMDadoda
9/19/2019 1:06:22 PM



#70
Styrene
Concen: 20.006 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion:104 Resp: 112286
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 53.6 43.3 64.9





#71

Bromoform

Concen: 18.134 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

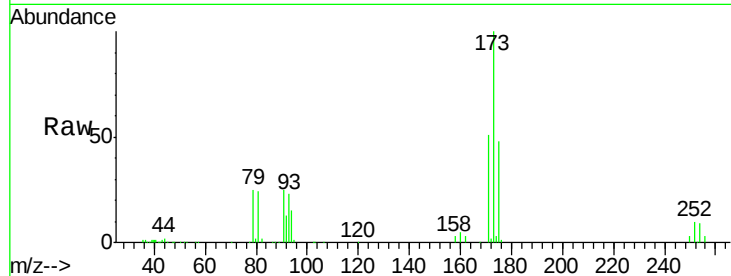
ClientSampleId :

VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.7	71.1
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM

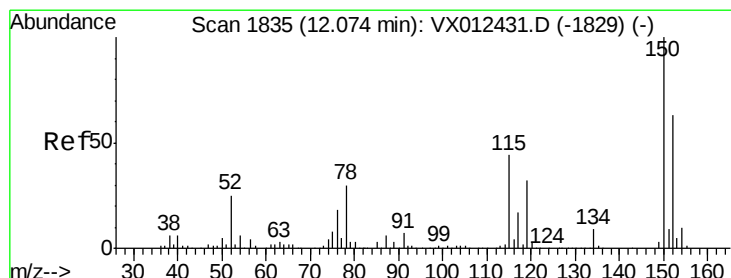
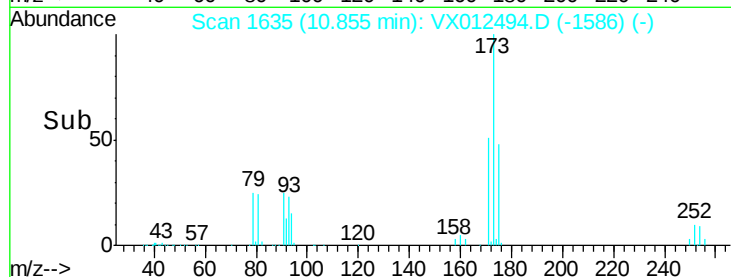
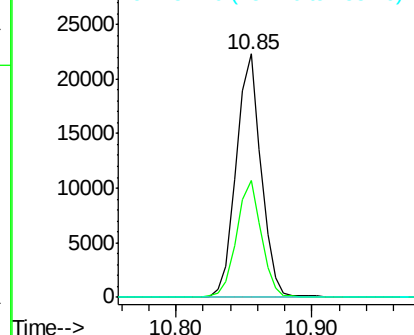


Abundance

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

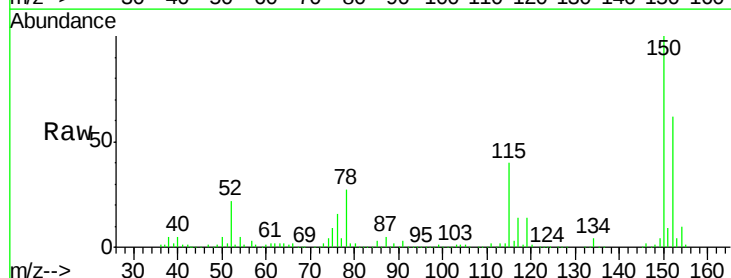
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.3	44.1	132.3
150	163.4	0.0	343.8

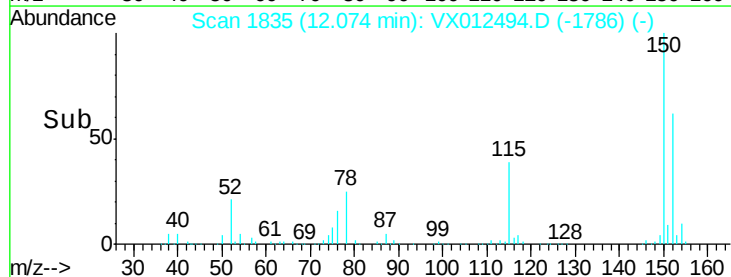
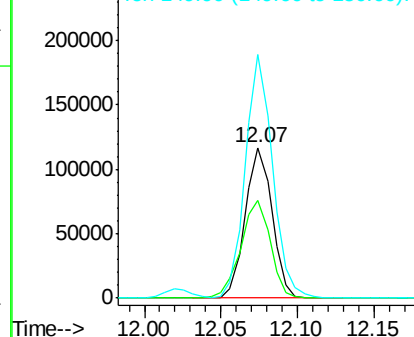


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.854 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 105 Resp: 177296

Ion Ratio Lower Upper

105 100

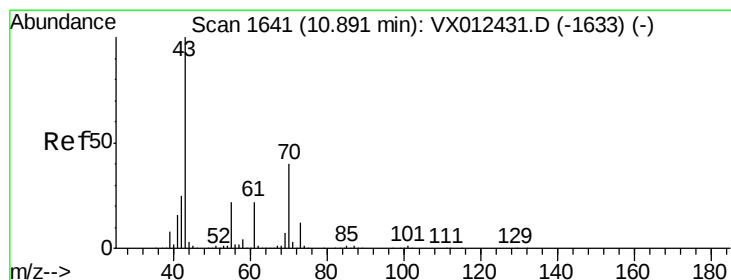
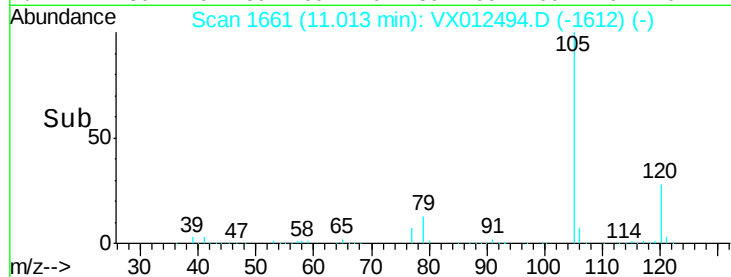
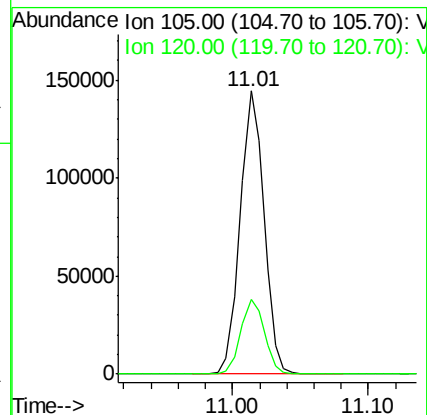
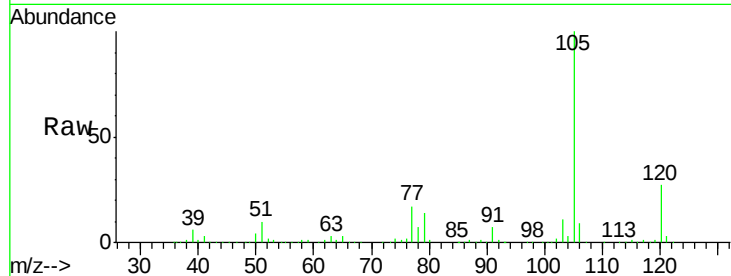
120 26.3 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#74

N-ethyl acetate

Concen: 18.820 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion: 43 Resp: 90480

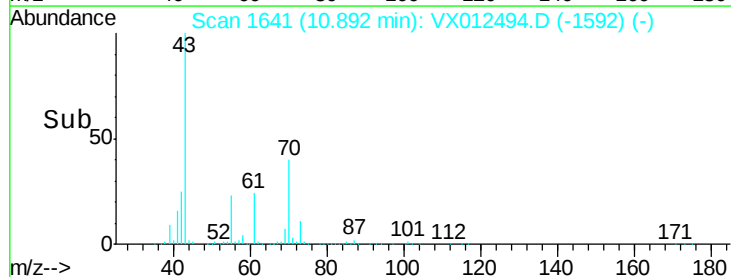
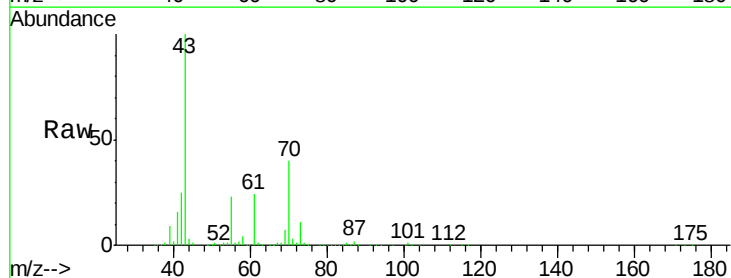
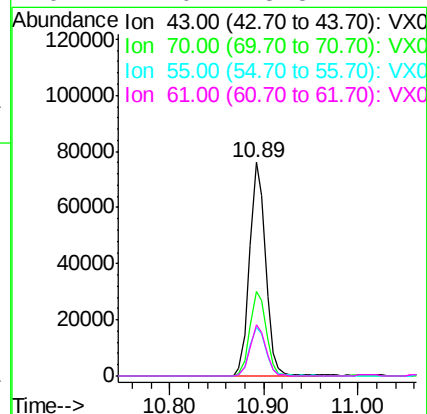
Ion Ratio Lower Upper

43 100

70 40.8 32.4 48.6

55 23.8 18.2 27.4

61 24.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.278 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

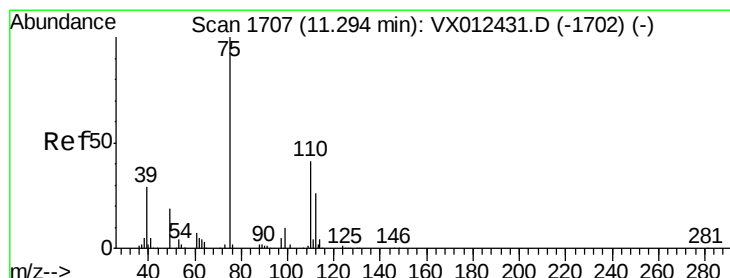
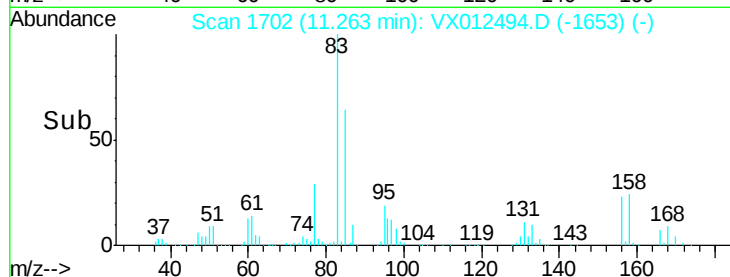
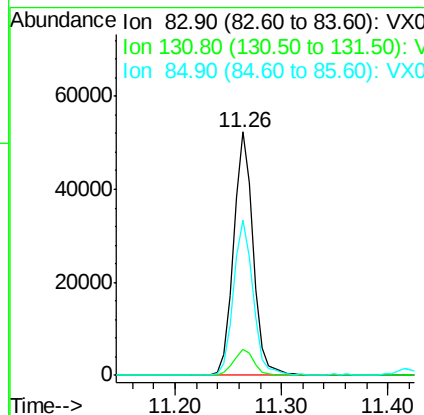
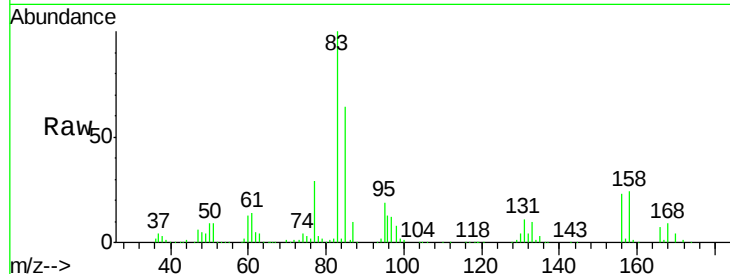
ClientSampled :

VX0918WBSD02

Tot Ion:	83	Resp:	67531
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	64.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#76

1,2,3-Trichloropropane

Concen: 19.598 ug/l m

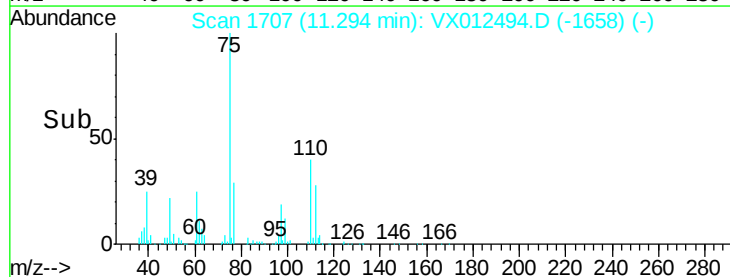
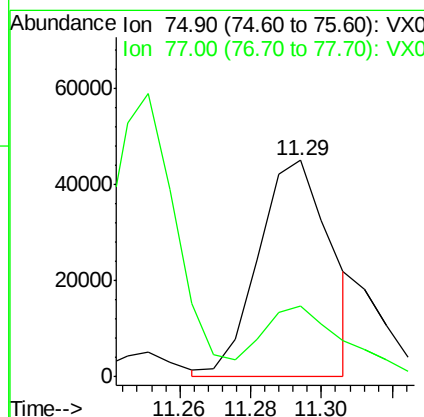
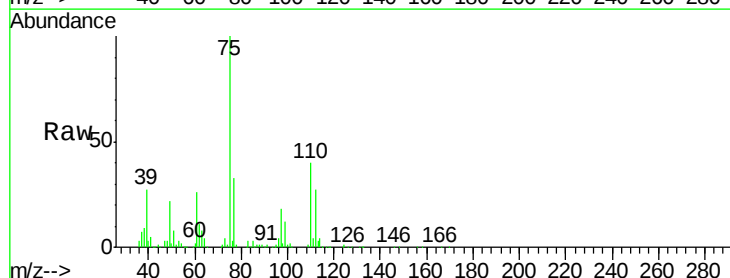
RT: 11.29 min Scan# 1707

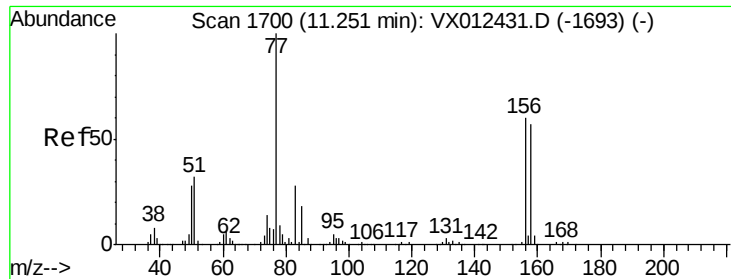
Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	75	Resp:	64070
Ion Ratio	Lower	Upper	
75	100		
77	37.0	19.7	59.0





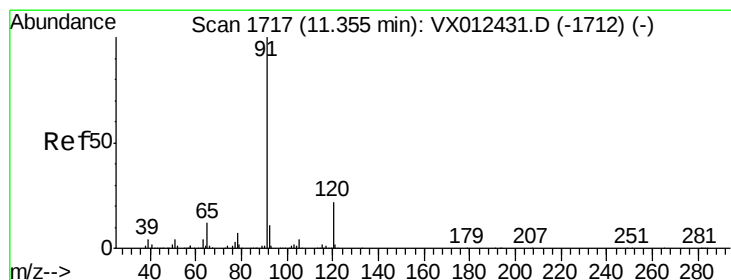
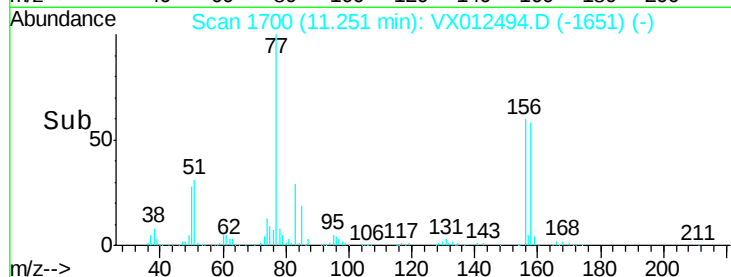
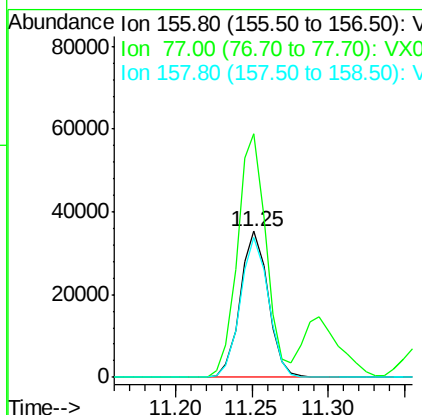
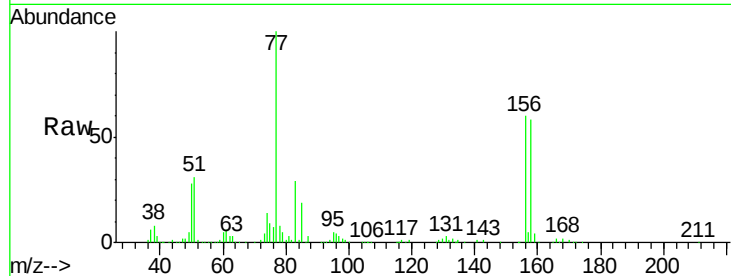
#77
Bromobenzene
Concen: 20.578 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.4	87.3	261.8
158	96.5	48.5	145.6

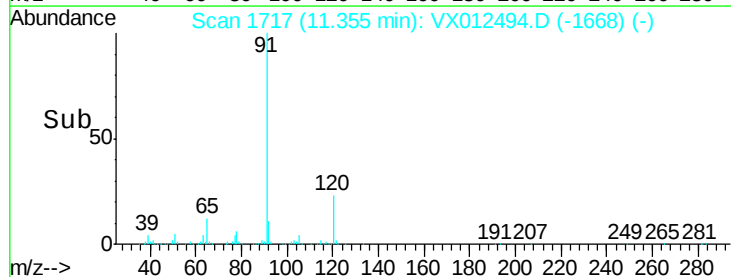
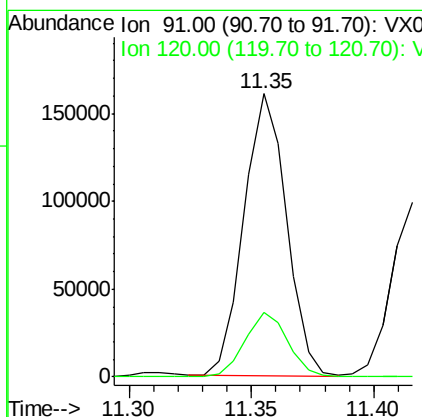
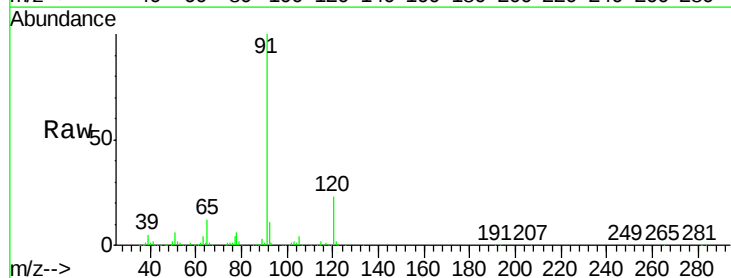
Manual Integrations
APPROVED

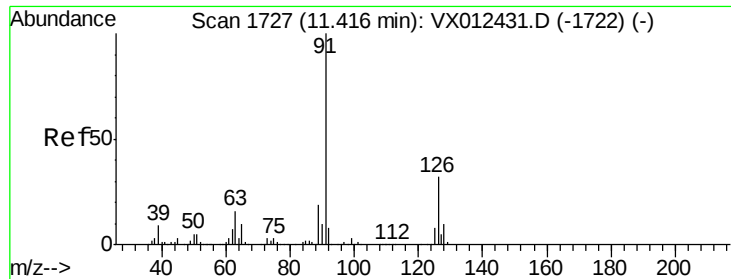
MMDadoda
9/19/2019 1:06:22 PM



#78
n-propylbenzene
Concen: 19.507 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.270 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 91 Resp: 124771

Ion Ratio Lower Upper

91 100

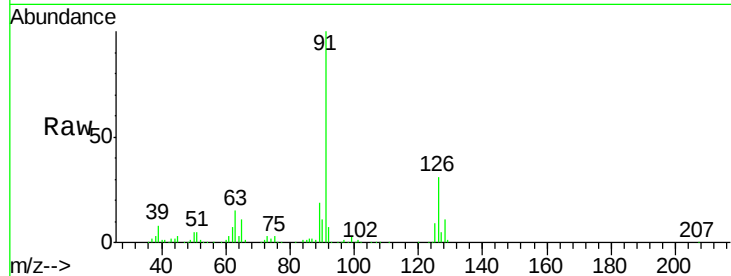
126 32.9 16.4 49.4

Manual Integrations

APPROVED

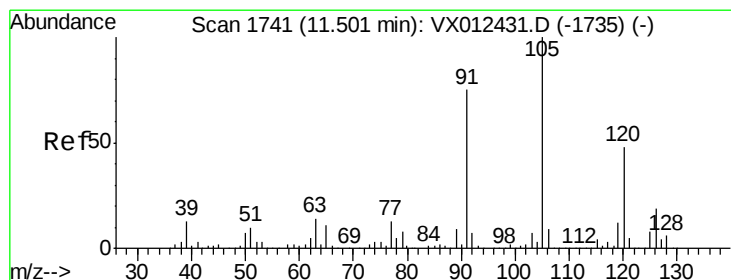
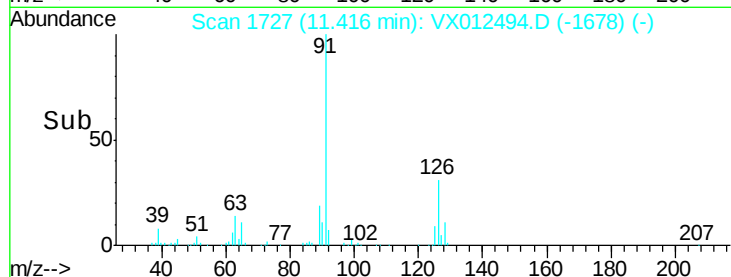
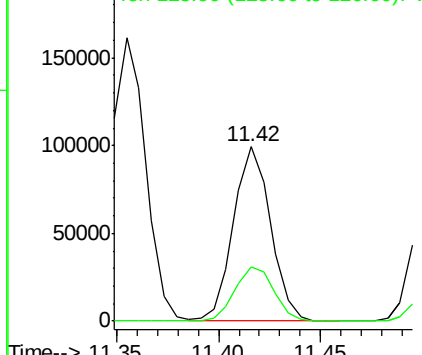
MMDadoda

9/19/2019 1:06:22 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.942 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012494.D

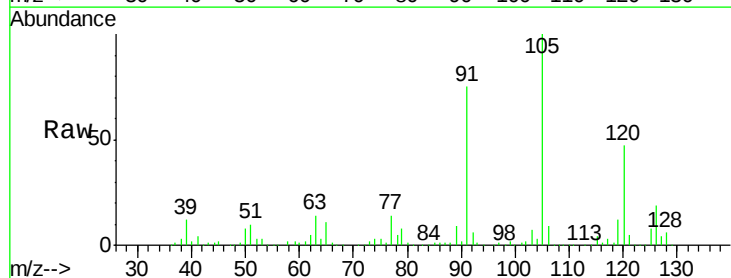
Acq: 18 Sep 2019 23:57

Tgt Ion:105 Resp: 151877

Ion Ratio Lower Upper

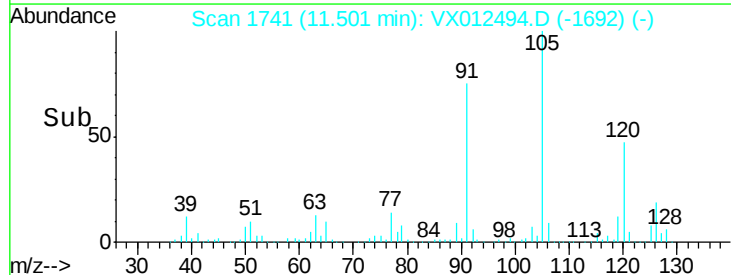
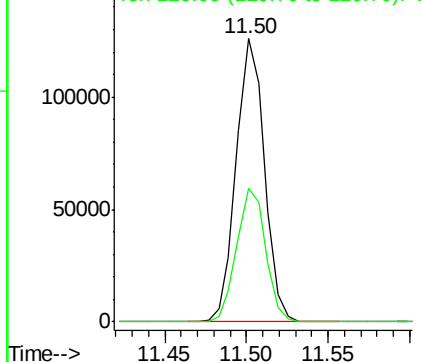
105 100

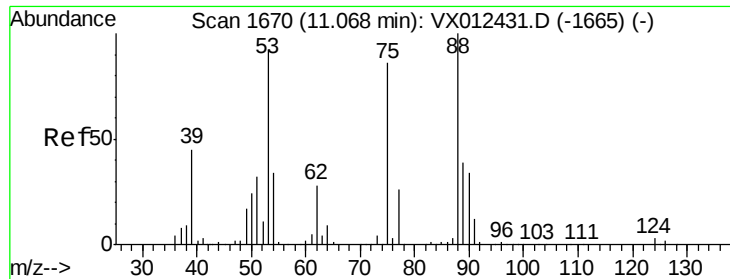
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.509 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

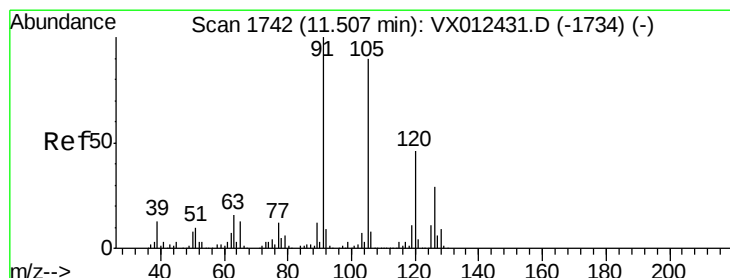
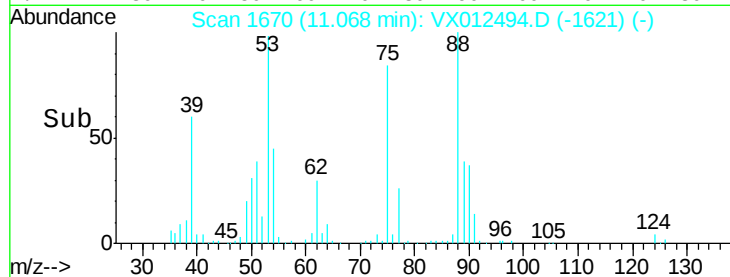
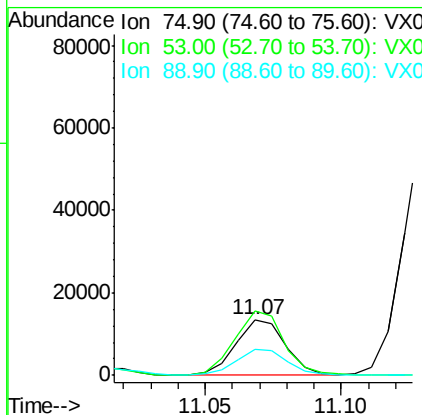
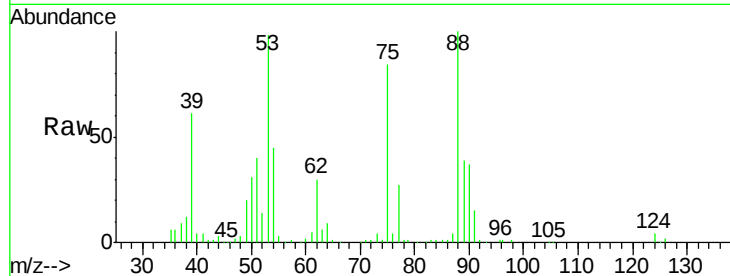
ClientSampleId :

VX0918WBSD02

Tot Ion:	75	Resp:	17027
Ion Ratio	Lower	Upper	
75	100		
53	118.5	83.6	125.4
89	48.6	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#82

4-Chlorotoluene

Concen: 19.668 ug/l

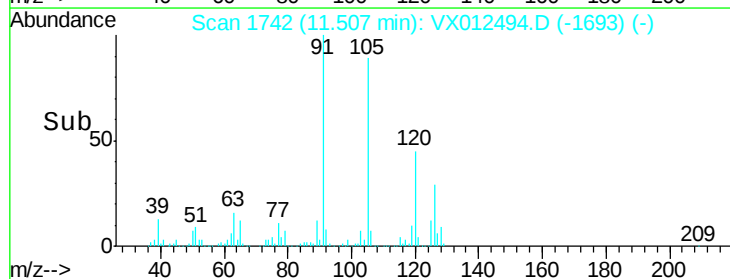
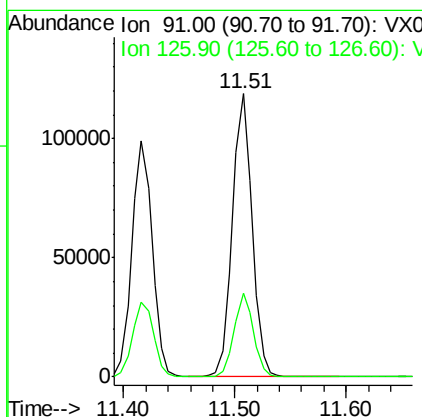
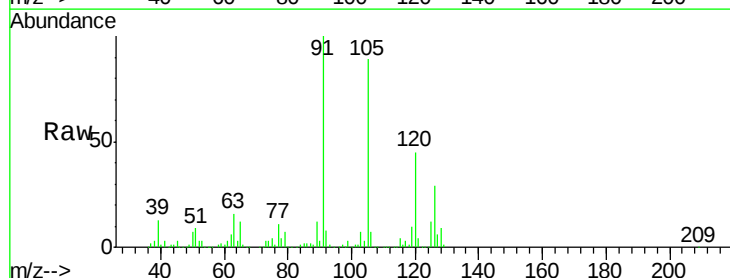
RT: 11.51 min Scan# 1742

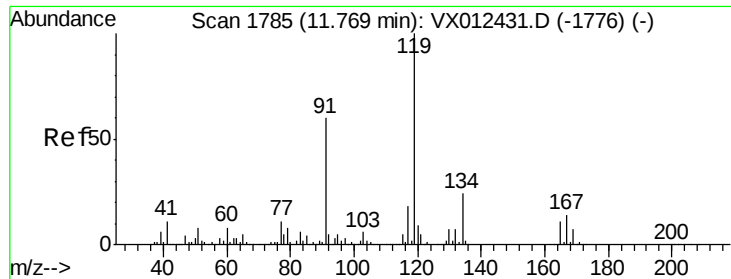
Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	91	Resp:	146156
Ion Ratio	Lower	Upper	
91	100		
126	29.0	14.4	43.0





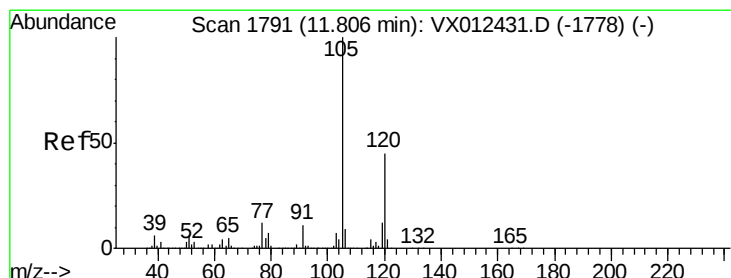
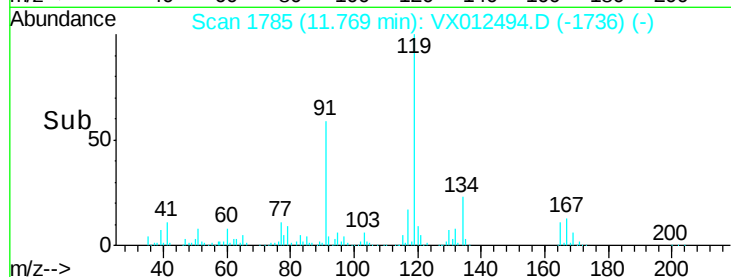
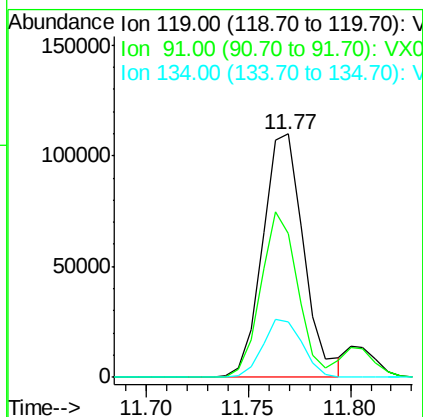
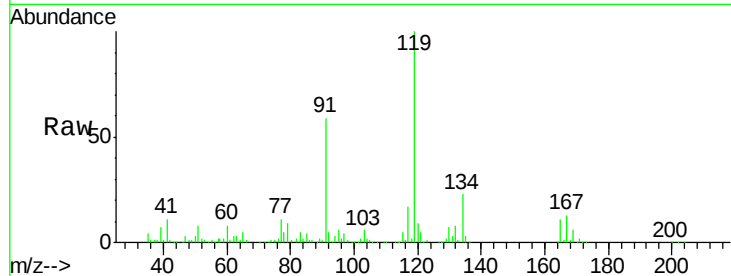
#83
tert-Butylbenzene
Concen: 18.927 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	154458		
91	61.0	30.0	90.0	
134	23.0	11.3	33.9	

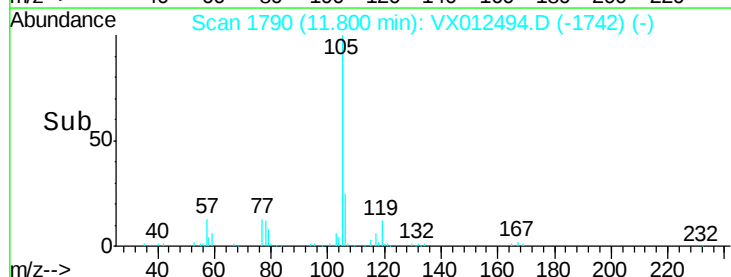
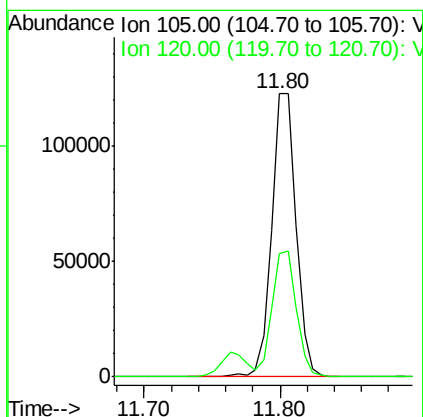
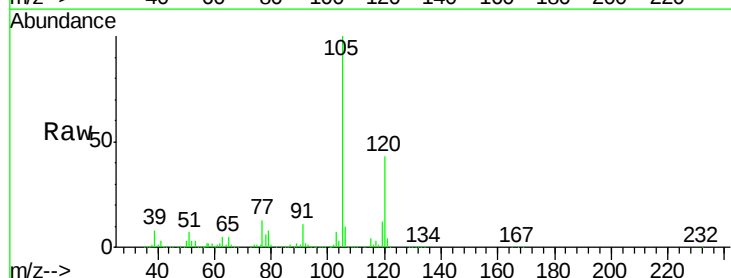
Manual Integrations
APPROVED

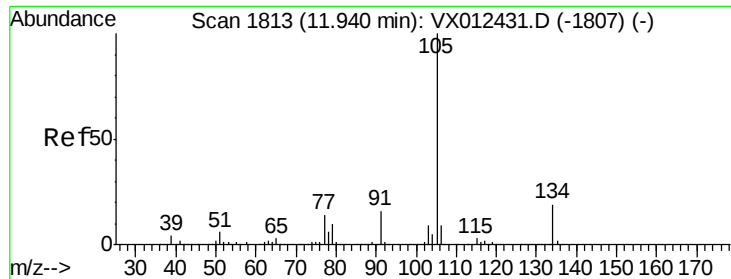
MMDadoda
9/19/2019 1:06:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.722 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154216		
120	44.3	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.523 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:105 Resp: 175555

Ion Ratio Lower Upper

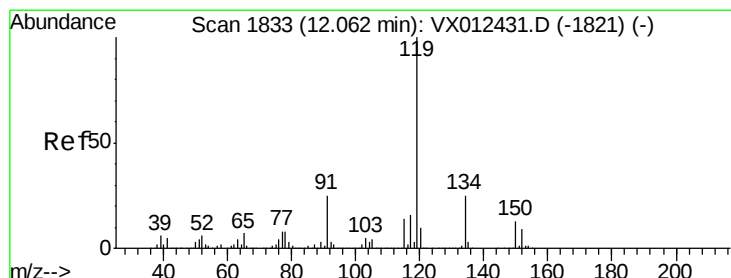
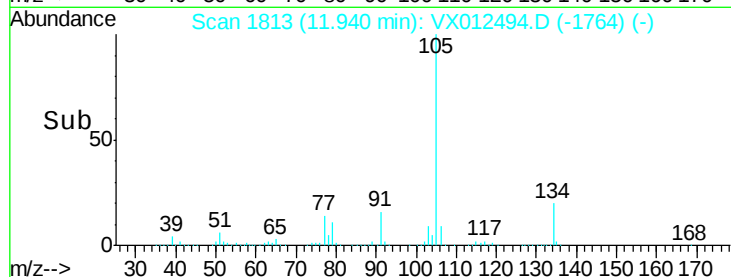
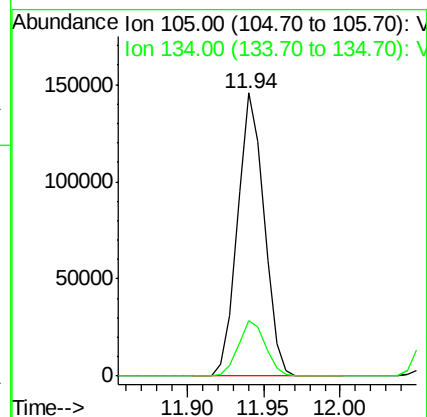
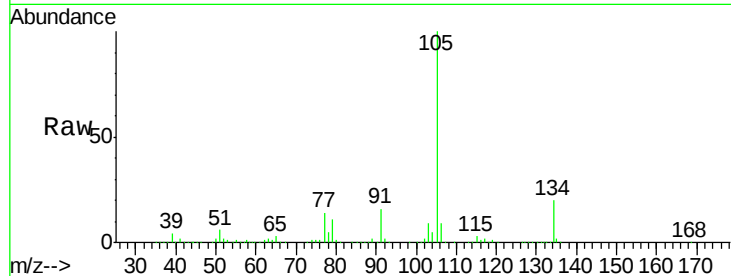
105 100

134 20.1 9.8 29.4

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:06:22 PM



#86

p-Isopropyltoluene

Concen: 19.367 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

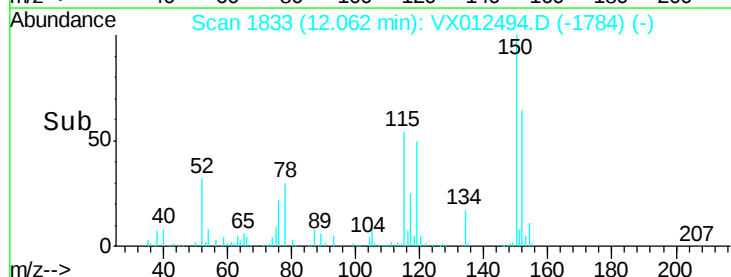
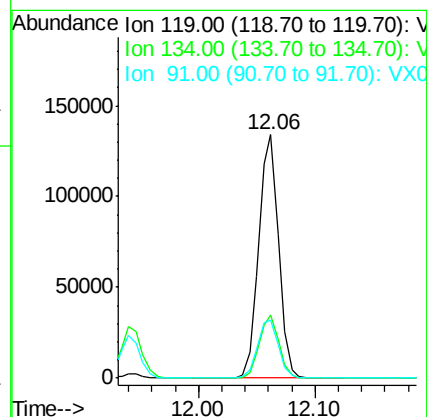
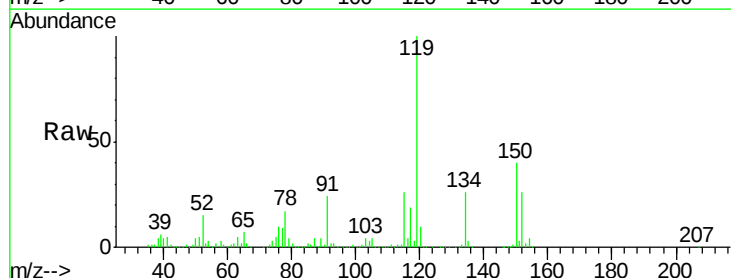
Tgt Ion:119 Resp: 159920

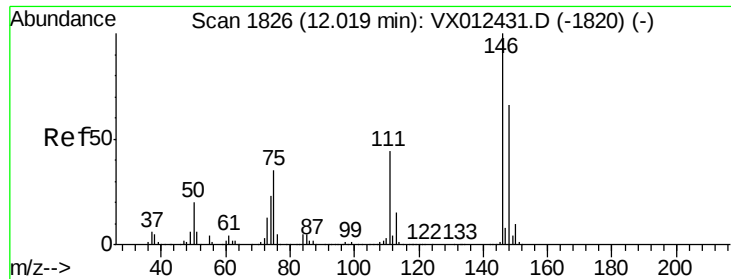
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 25.5 12.8 38.4





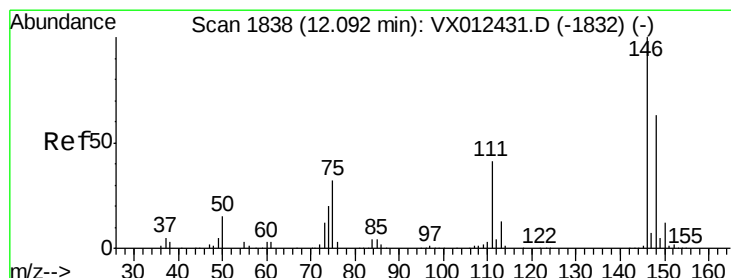
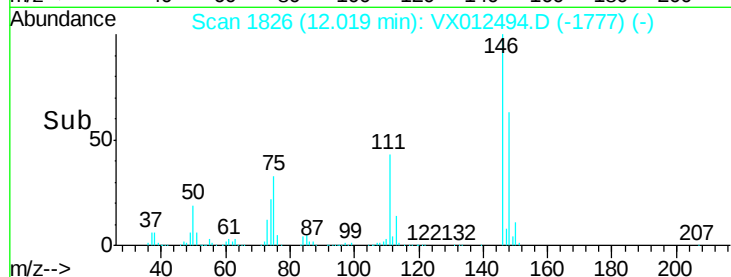
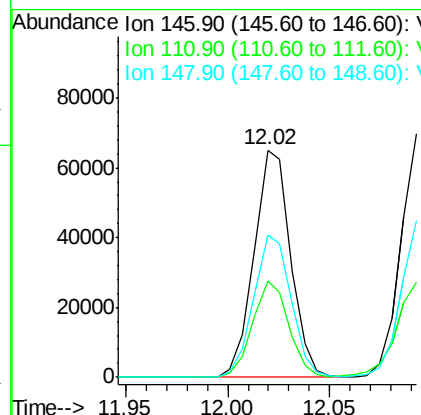
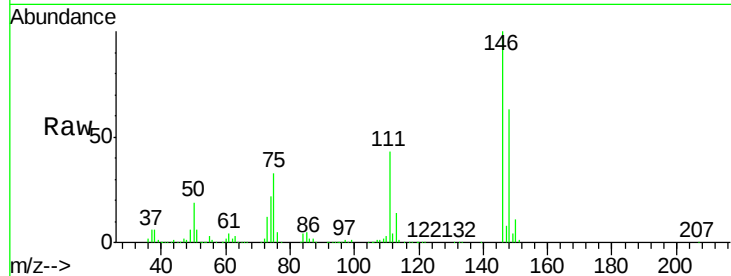
#87
 1,3-Dichlorobenzene
 Concen: 19.829 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.4	32.4	97.2

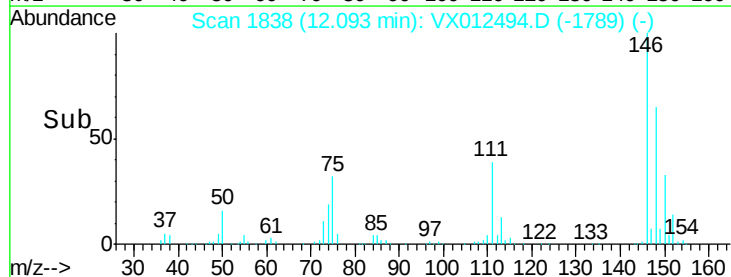
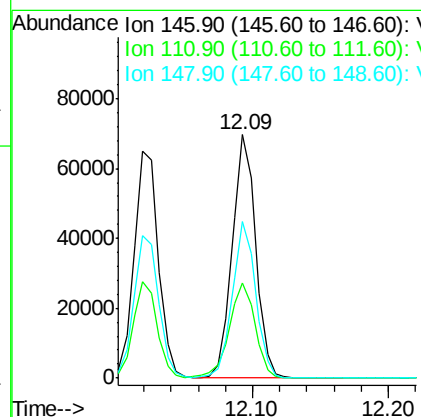
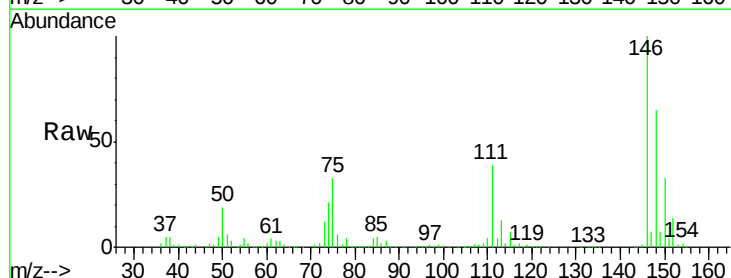
Manual Integrations
 APPROVED

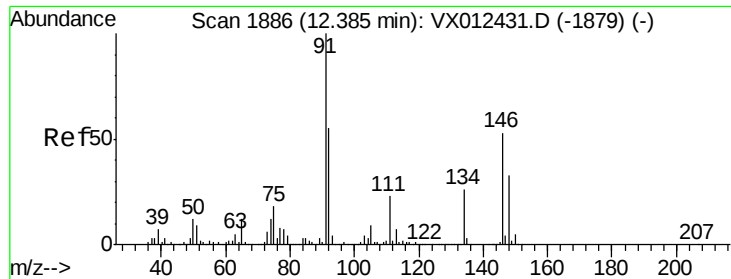
MMDadoda
 9/19/2019 1:06:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.843 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	63.8	32.1	96.5





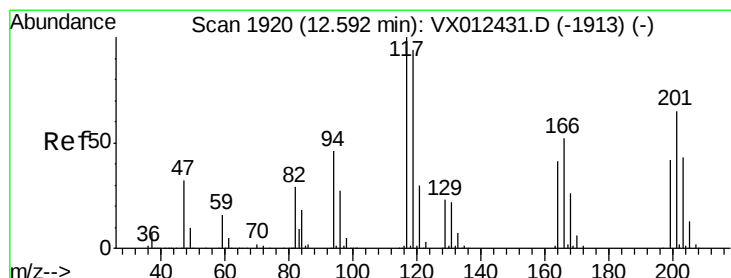
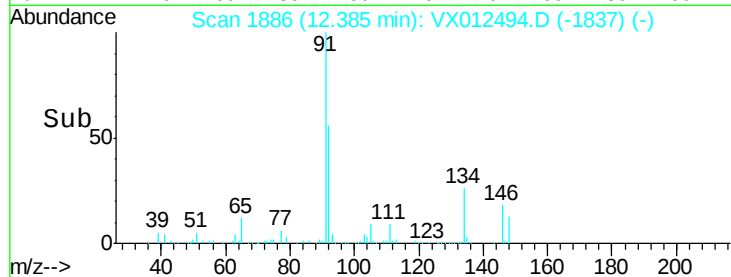
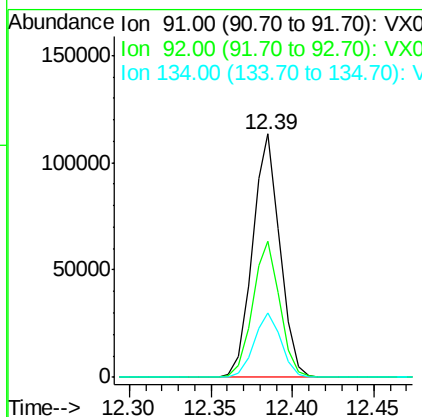
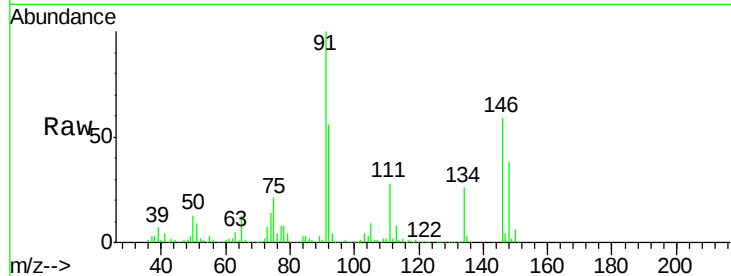
#89
n-Butylbenzene
Concen: 17.983 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.7	83.0
134	26.3	12.9	38.6

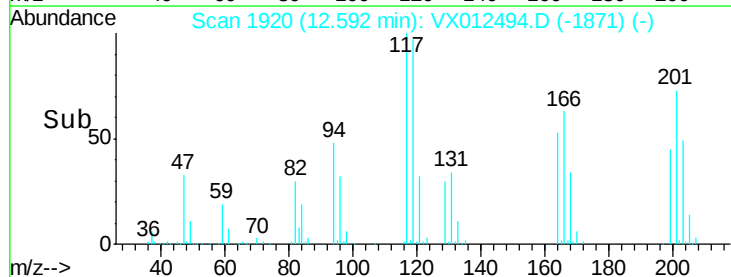
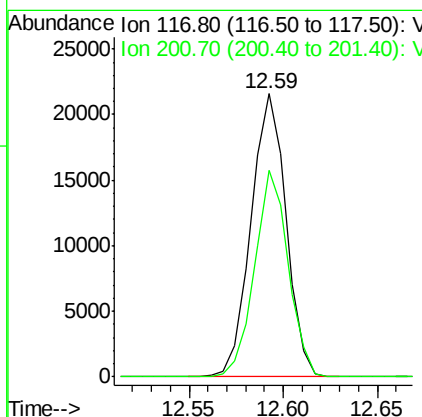
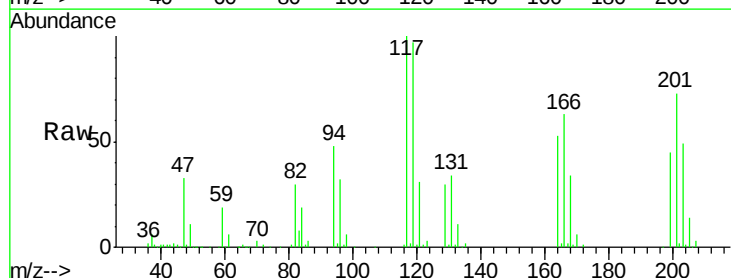
Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#90
Hexachloroethane
Concen: 18.388 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012494.D
Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.7	33.3	99.8





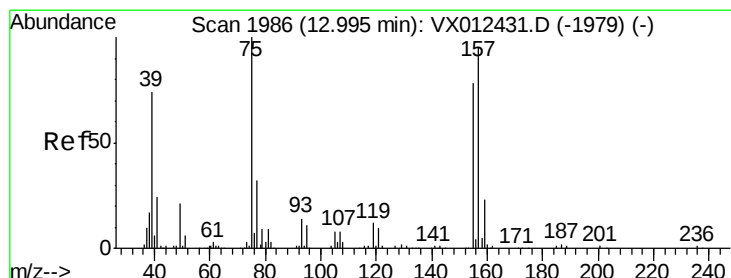
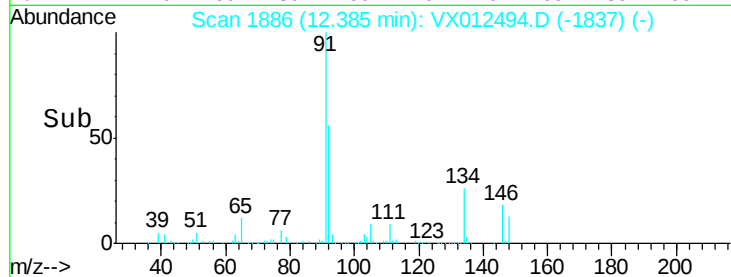
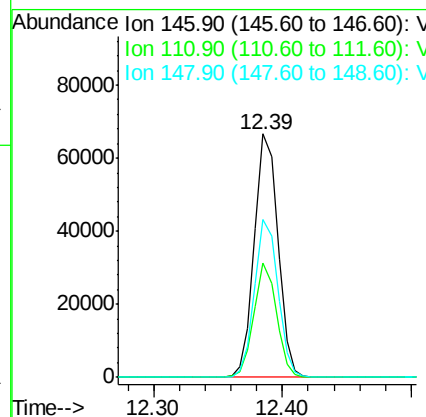
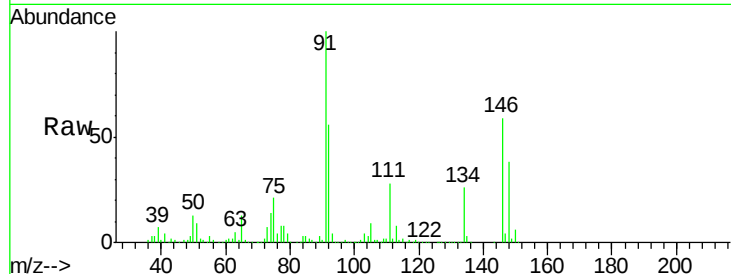
#91
 1,2-Dichlorobenzene
 Concen: 19.658 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.1
148	64.3	31.3	93.9

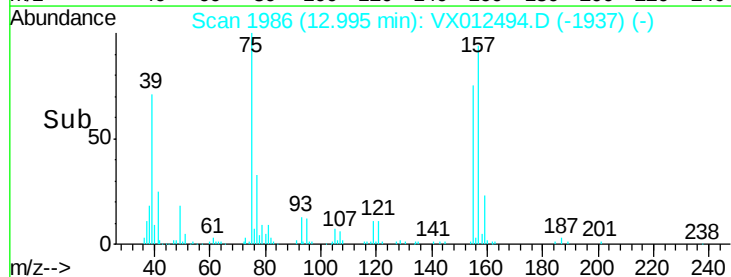
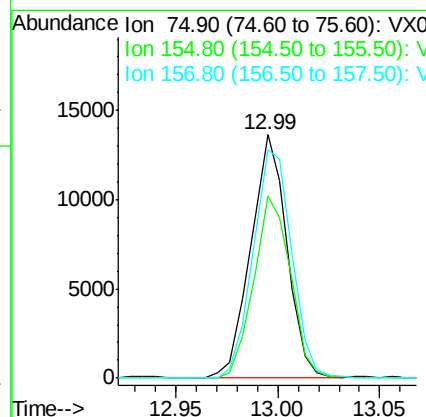
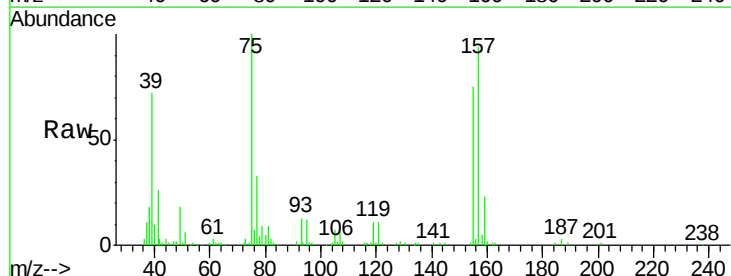
Manual Integrations
 APPROVED

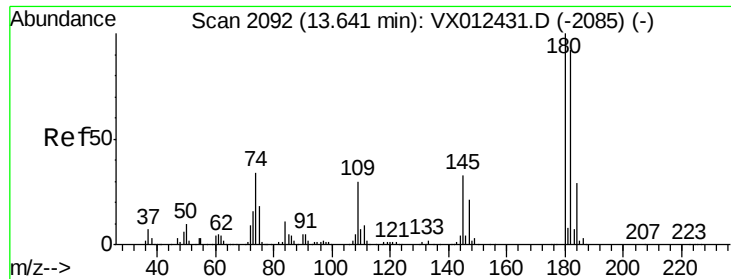
MMDadoda
 9/19/2019 1:06:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.459 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	38.6	115.8
157	100.7	50.6	151.9





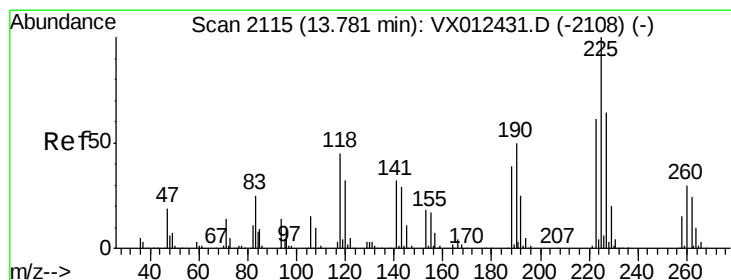
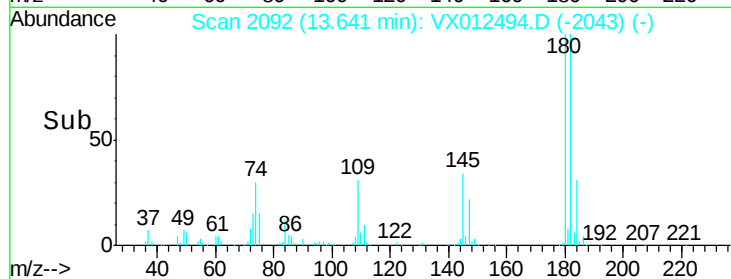
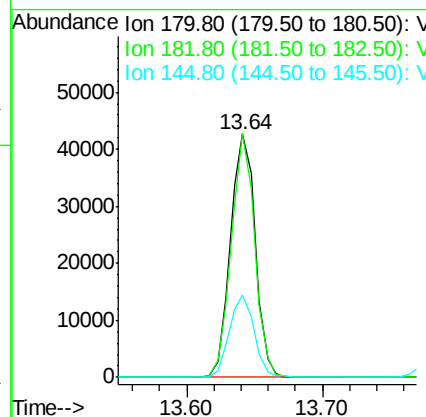
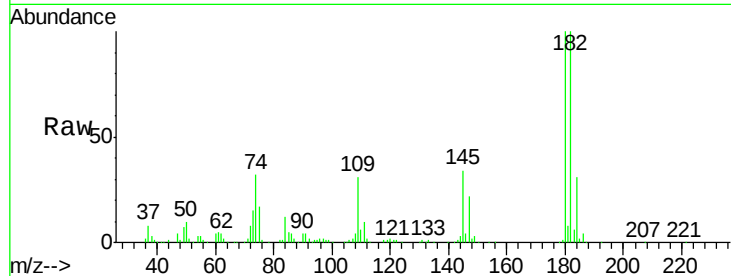
#93
 1,2,4-Trichlorobenzene
 Concen: 19.523 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.0	141.0	
145	33.8	16.8	50.4	

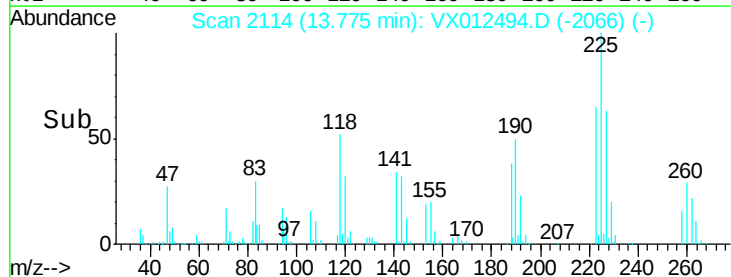
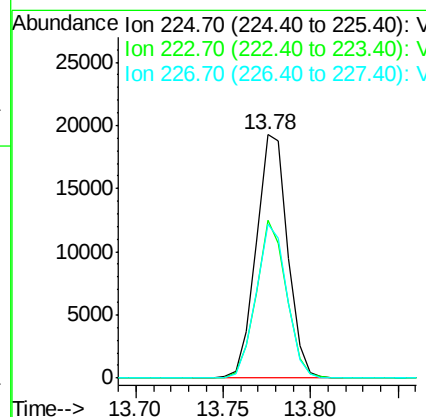
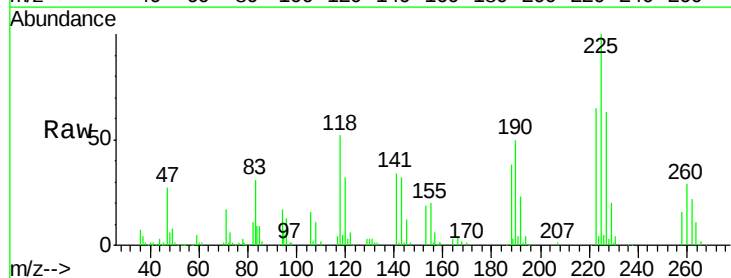
Manual Integrations
 APPROVED

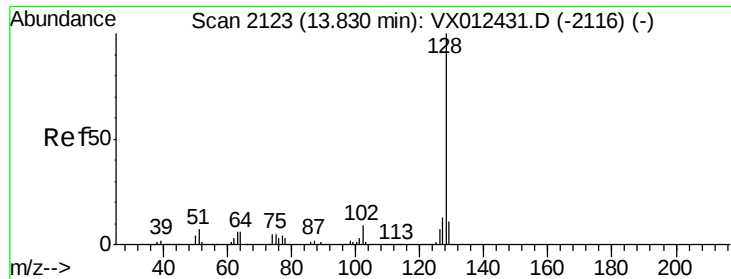
MMDadoda
 9/19/2019 1:06:22 PM



#94
 Hexachlorobutadiene
 Concen: 18.553 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012494.D
 Acq: 18 Sep 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	32.0	96.2	
227	62.0	31.9	95.5	





#95

Naphthalene

Concen: 20.295 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Instrument :

MSVOA_X

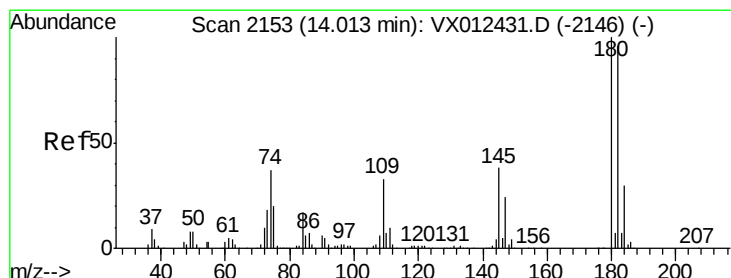
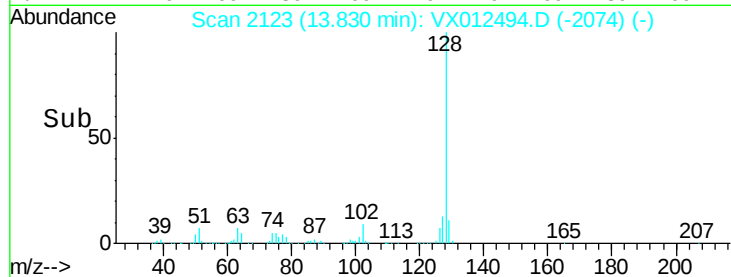
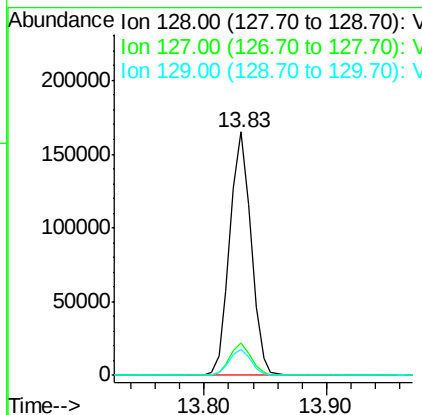
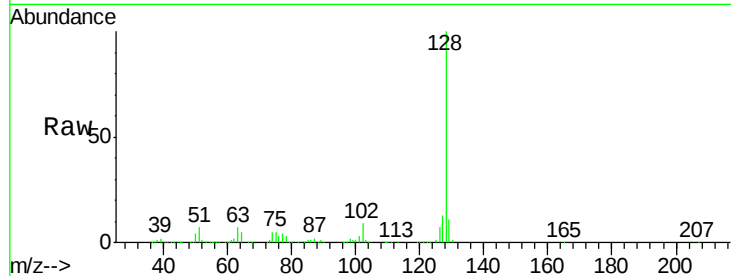
ClientSampleId :

VX0918WBSD02

Tot Ion:	128	Resp:	199161
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.621 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012494.D

Acq: 18 Sep 2019 23:57

Tgt Ion:	180	Resp:	57955
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.3
145	34.6	18.0	54.0

