

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100119\
 Data File : VX012747.D
 Acq On : 01 Oct 2019 20:42
 Operator : JC/SP
 Sample : K5082-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 10:07:31 AM

Quant Time: Oct 02 08:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111730	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	5.48	113	85747	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	8.71	98	322214	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.14	95	122684	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81947	42.660	ug/l	96
3) Chloromethane	1.32	50	95421	43.260	ug/l	100
4) Vinyl Chloride	1.40	62	99526	45.395	ug/l	98
5) Bromomethane	1.63	94	37493	43.495	ug/l	95
6) Chloroethane	1.71	64	64451	43.606	ug/l	97
7) Trichlorofluoromethane	1.92	101	140401	45.611	ug/l	100
8) Diethyl Ether	2.18	74	57209	45.351	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89666	47.825	ug/l	95
10) Methyl Iodide	2.50	142	96873	49.140	ug/l	94
11) Tert butyl alcohol	3.04	59	133723	215.287	ug/l	100
12) 1,1-Dichloroethene	2.36	96	89377	48.683	ug/l	96
13) Acrolein	2.28	56	82040	237.629	ug/l	98
14) Allyl chloride	2.72	41	163825	44.977	ug/l	96
15) Acrylonitrile	3.13	53	305499	242.429	ug/l	98
16) Acetone	2.44	43	266999	202.726	ug/l	96
17) Carbon Disulfide	2.56	76	223508	43.426	ug/l	100
18) Methyl Acetate	2.76	43	136148	43.902	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	330442	47.552	ug/l	100
20) Methylene Chloride	2.84	84	104685	46.995	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	95531	46.969	ug/l	96
22) Diisopropyl ether	3.84	45	328402	46.660	ug/l	98
23) Vinyl Acetate	3.80	43	1350359	218.785	ug/l	97
24) 1,1-Dichloroethane	3.69	63	183132	47.868	ug/l	99
25) 2-Butanone	4.66	43	418055	221.376	ug/l	95
26) 2,2-Dichloropropane	4.58	77	121334	35.659	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	112427	47.639	ug/l	91
28) Bromochloromethane	5.01	49	65856	47.408	ug/l	97
29) Tetrahydrofuran	5.12	42	273051	237.227	ug/l	96
30) Chloroform	5.20	83	184377	47.106	ug/l	95
31) Cyclohexane	5.57	56	159766	46.161	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	163986	47.273	ug/l	98
36) 1,1-Dichloropropene	5.79	75	133477	45.813	ug/l	98
37) Ethyl Acetate	4.83	43	150307	44.127	ug/l	97
38) Carbon Tetrachloride	5.77	117	138722	46.871	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100119\
 Data File : VX012747.D
 Acq On : 01 Oct 2019 20:42
 Operator : JC/SP
 Sample : K5082-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 10:07:31 AM

Quant Time: Oct 02 08:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158524	45.196	ug/l	95
40) Benzene	6.14	78	404696	47.209	ug/l	98
41) Methacrylonitrile	5.03	41	86935	45.489	ug/l	95
42) 1,2-Dichloroethane	6.18	62	150281	46.165	ug/l	98
43) Isopropyl Acetate	6.43	43	249739	43.843	ug/l	97
44) Trichloroethene	7.21	130	104714	47.782	ug/l	93
45) 1,2-Dichloropropane	7.51	63	105061	47.869	ug/l	97
46) Dibromomethane	7.65	93	70416	47.123	ug/l	98
47) Bromodichloromethane	7.89	83	141702	47.447	ug/l	99
48) Methyl methacrylate	7.76	41	127091	46.531	ug/l	92
49) 1,4-Dioxane	7.73	88	52425	846.225	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	825583	234.793	ug/l	96
52) Toluene	8.78	92	260186	48.291	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	151988	45.996	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	165416	45.849	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	104871	48.958	ug/l	98
56) Ethyl methacrylate	9.17	69	172715	47.994	ug/l	92
57) 1,3-Dichloropropane	9.37	76	181005	48.282	ug/l	100
59) 2-Hexanone	9.49	43	630446	234.240	ug/l	95
60) Dibromochloromethane	9.58	129	108239	49.917	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109662	49.191	ug/l	98
64) Tetrachloroethene	9.33	164	90734	48.393	ug/l	95
65) Chlorobenzene	10.14	112	270342	47.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	101480	49.459	ug/l	99
67) Ethyl Benzene	10.24	91	493307	48.029	ug/l	99
68) m/p-Xylenes	10.35	106	367004	95.387	ug/l	99
69) o-Xylene	10.70	106	180766	48.555	ug/l	99
70) Styrene	10.71	104	306305	49.078	ug/l	98
71) Bromoform	10.85	173	72751	50.922	ug/l	97
73) Isopropylbenzene	11.01	105	478893	47.809	ug/l	100
74) N-amyl acetate	10.89	43	207367	43.394	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	162345	48.937	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	153393m	47.150	ug/l	
77) Bromobenzene	11.25	156	106865	47.138	ug/l	97
78) n-propylbenzene	11.35	91	527392	46.766	ug/l	99
79) 2-Chlorotoluene	11.42	91	325343	46.247	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	410279	48.843	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	47556	41.891	ug/l	98
82) 4-Chlorotoluene	11.51	91	378858	47.242	ug/l	98
83) tert-Butylbenzene	11.77	119	392701	48.465	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	401574	47.391	ug/l	98
85) sec-Butylbenzene	11.94	105	452970	48.063	ug/l	99
86) p-Isopropyltoluene	12.06	119	407874	47.963	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200327	49.101	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	197729	47.961	ug/l	99
89) n-Butylbenzene	12.38	91	345623	46.123	ug/l	100
90) Hexachloroethane	12.59	117	73090	48.210	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	202278	49.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39769	47.924	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	120875	48.525	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100119\
Data File : VX012747.D
Acq On : 01 Oct 2019 20:42
Operator : JC/SP
Sample : K5082-11MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

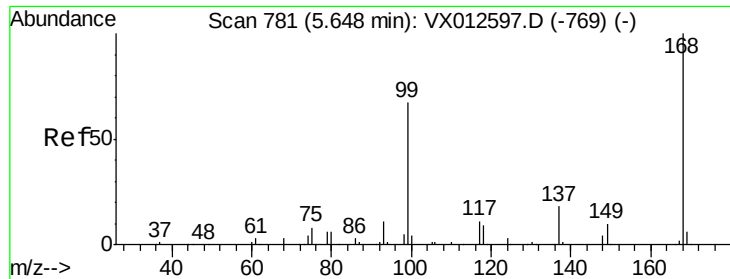
Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM

Quant Time: Oct 02 08:33:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	52625	49.108	ug/l	99
95) Naphthalene	13.83	128	455083	50.495	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	126644	50.754	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:168 Resp: 170752

Ion Ratio Lower Upper

168 100

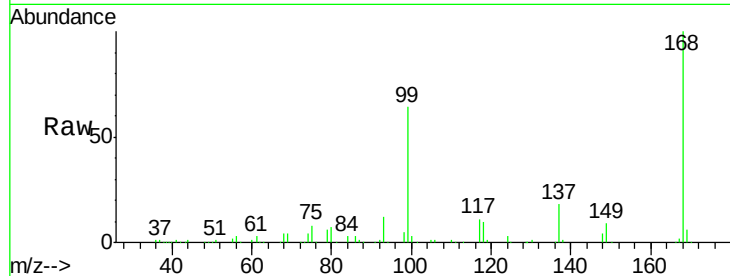
99 64.2 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

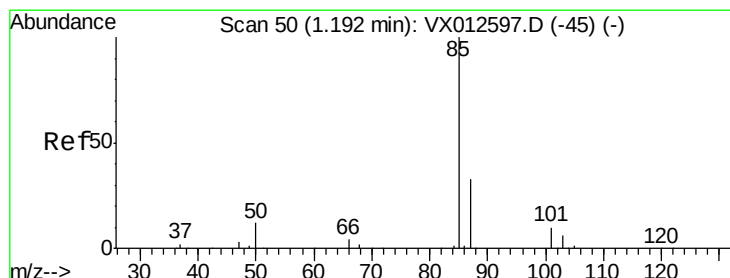
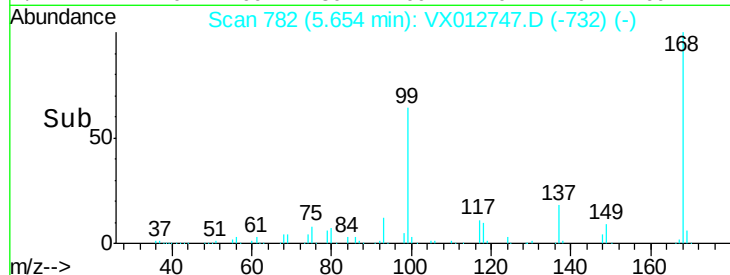
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.660 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012747.D

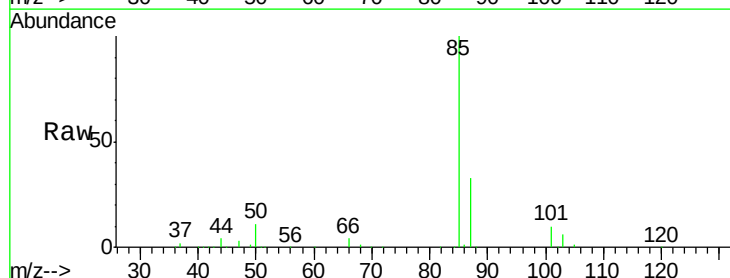
Acq: 01 Oct 2019 20:42

Tgt Ion: 85 Resp: 81947

Ion Ratio Lower Upper

85 100

87 33.4 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

80000

60000

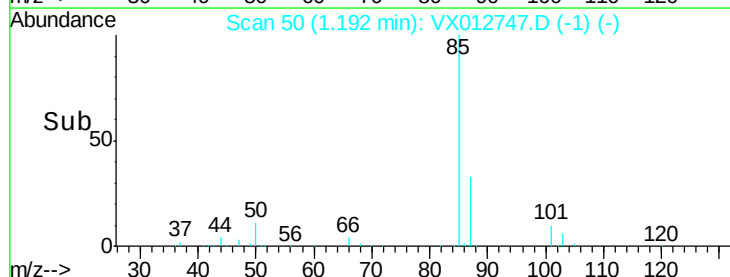
40000

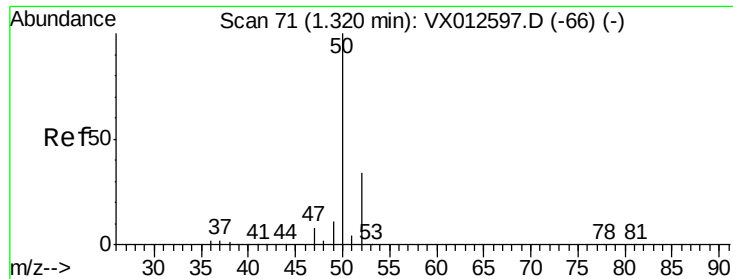
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.260 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 50 Resp: 95421

Ion Ratio Lower Upper

50 100

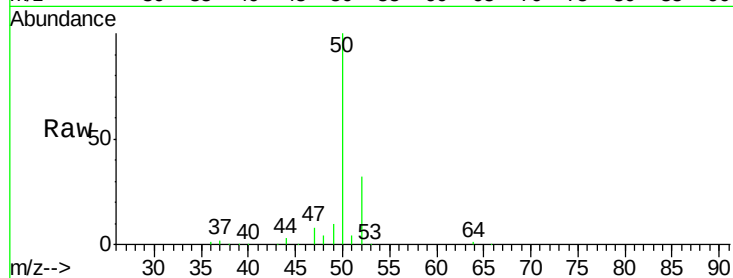
52 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

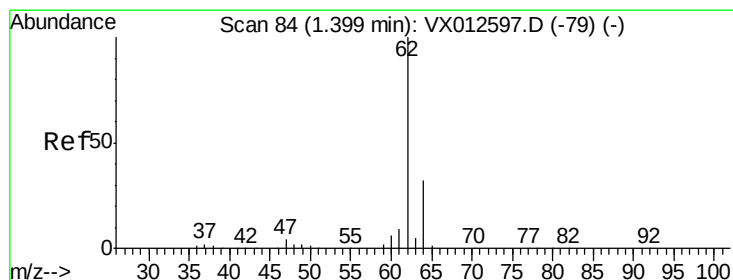
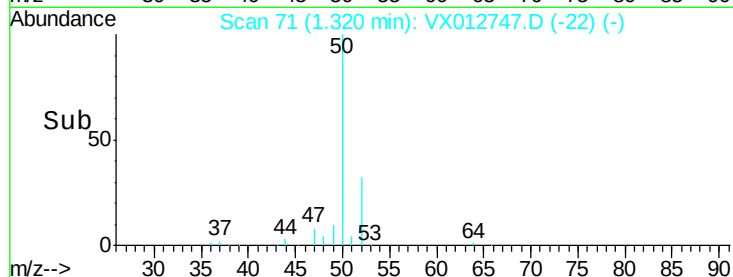
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.395 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012747.D

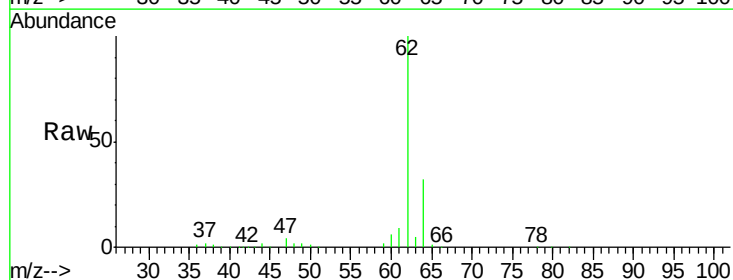
Acq: 01 Oct 2019 20:42

Tgt Ion: 62 Resp: 99526

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

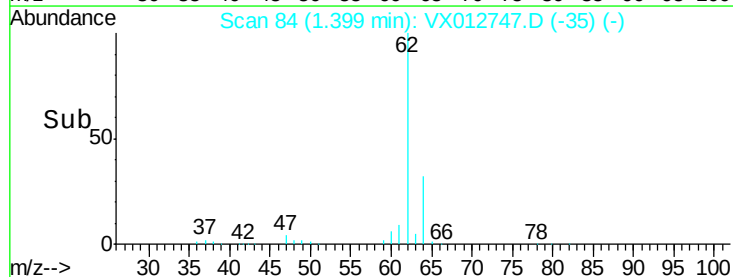
60000

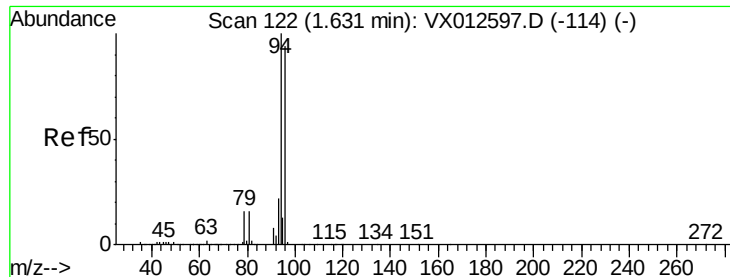
40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.495 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 94 Resp: 37493

Ion Ratio Lower Upper

94 100

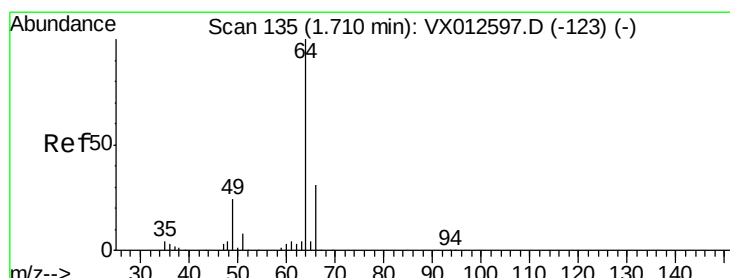
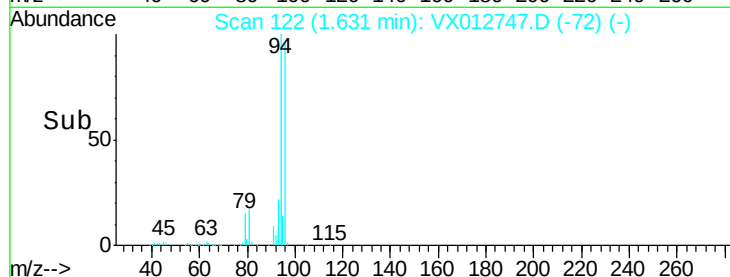
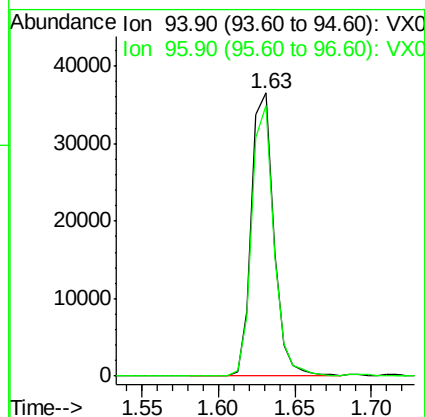
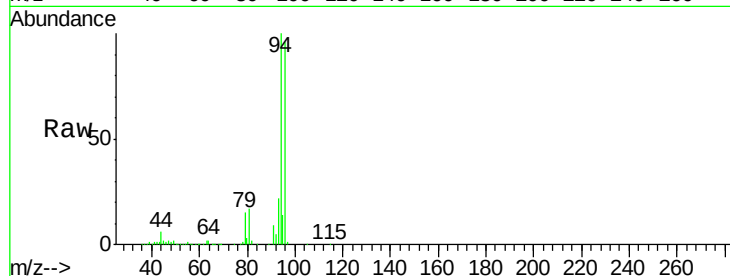
96 95.6 72.8 109.2

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



#6

Chloroethane

Concen: 43.606 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012747.D

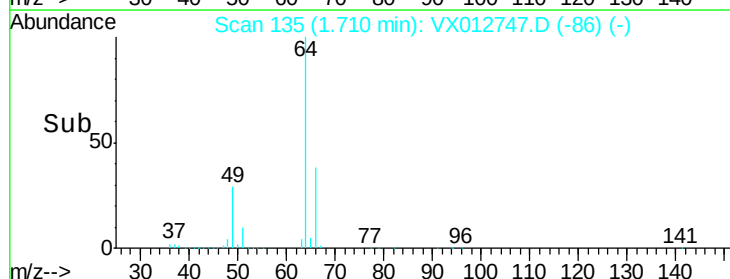
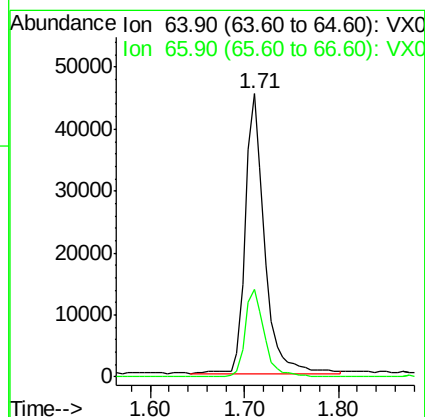
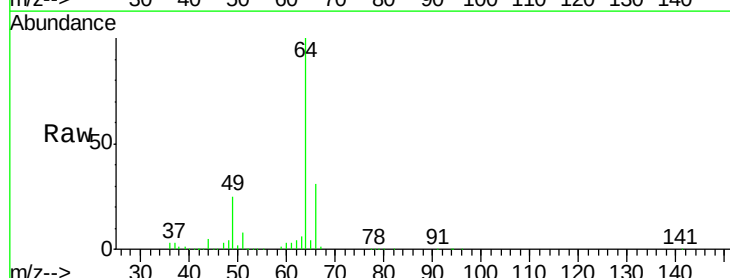
Acq: 01 Oct 2019 20:42

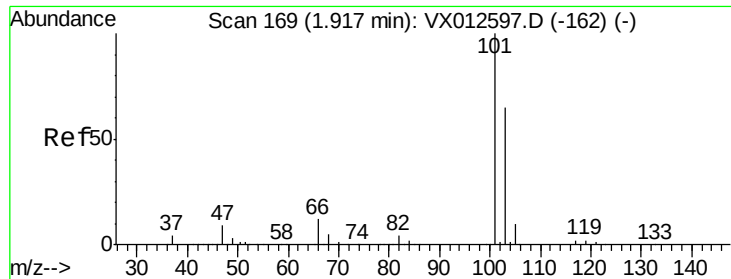
Tgt Ion: 64 Resp: 64451

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0





#7

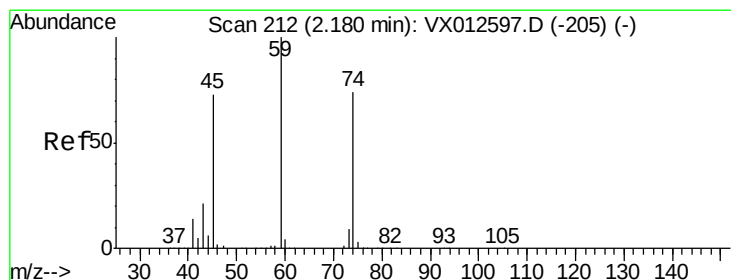
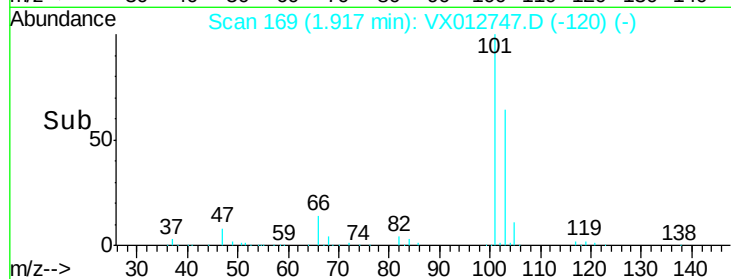
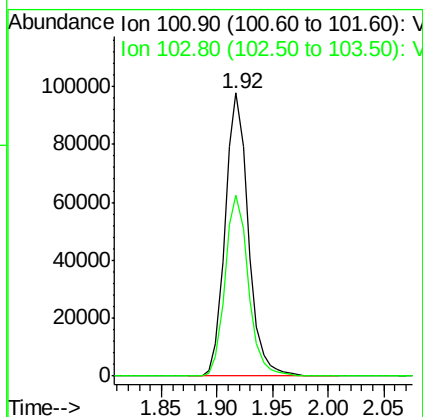
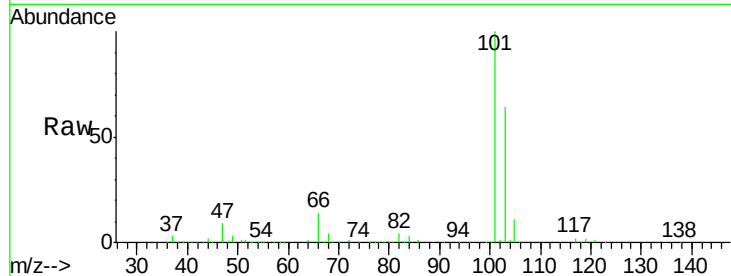
Trichlorofluoromethane
Concen: 45.611 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		140401		
103	63.9	51.0	76.4		

Manual Integrations
APPROVED

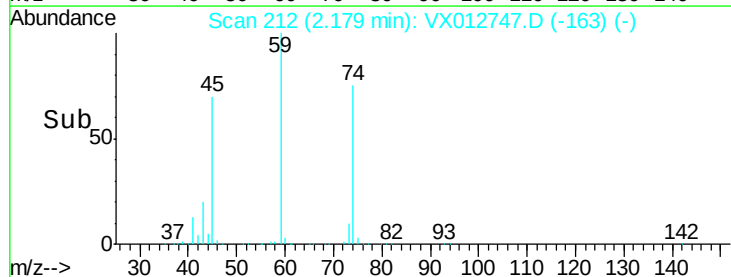
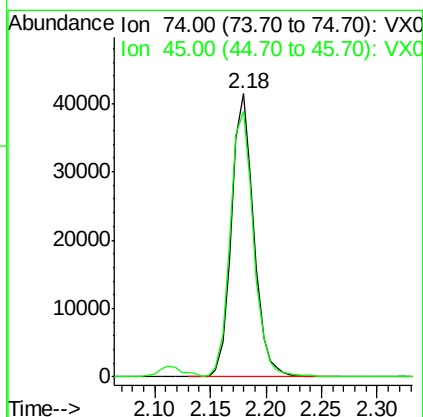
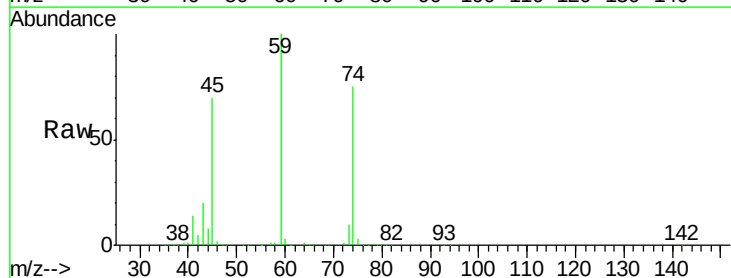
MMDadoda
10/2/2019 10:07:31 AM

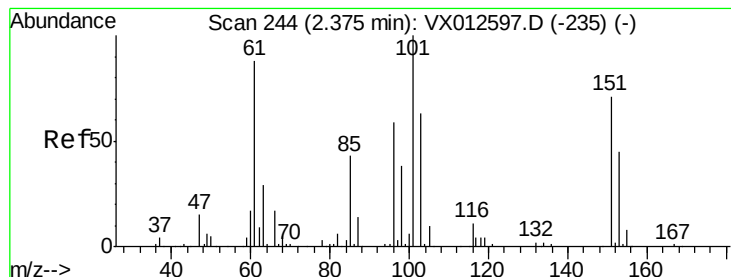


#8

Diethyl Ether
Concen: 45.351 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57209		
45	98.3	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.825 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

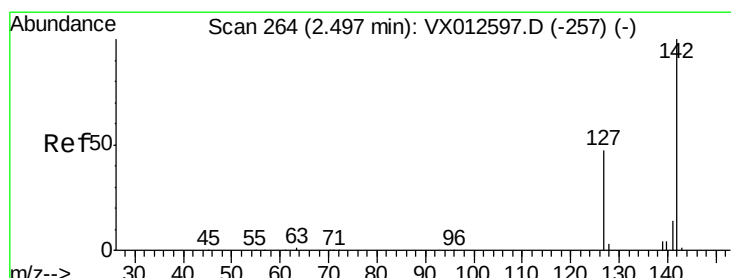
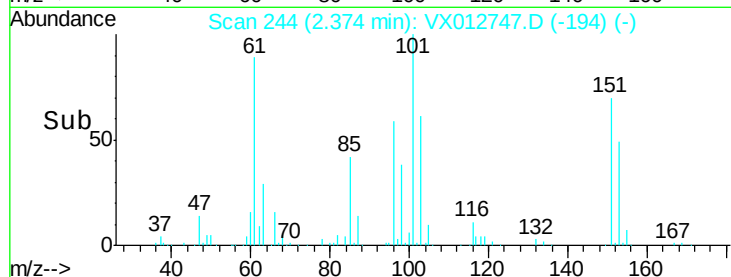
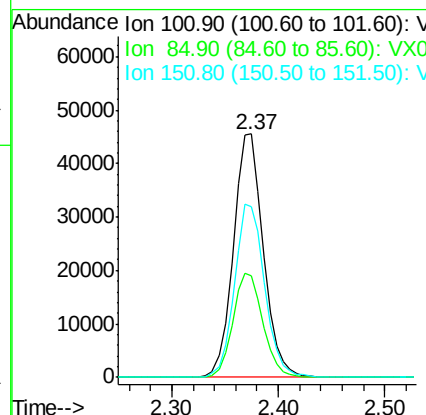
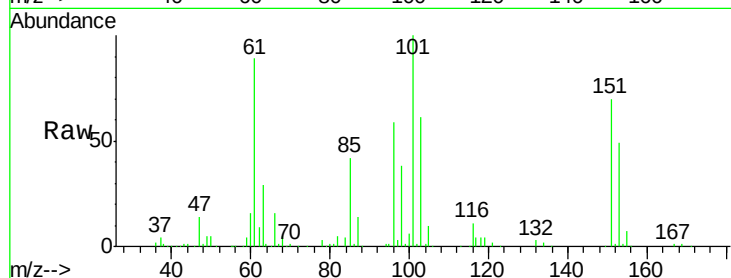
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	101	Resp:	89666
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.3	55.9
151	71.8	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#10

Methyl Iodide

Concen: 49.140 ug/l

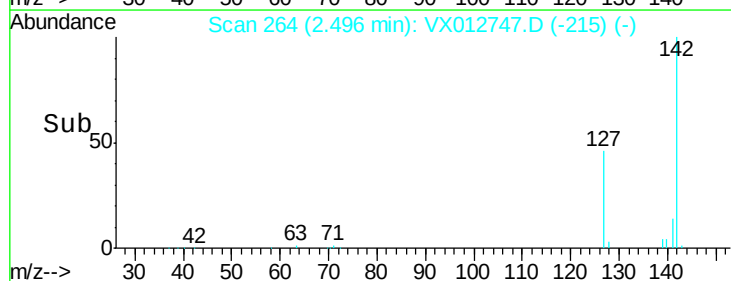
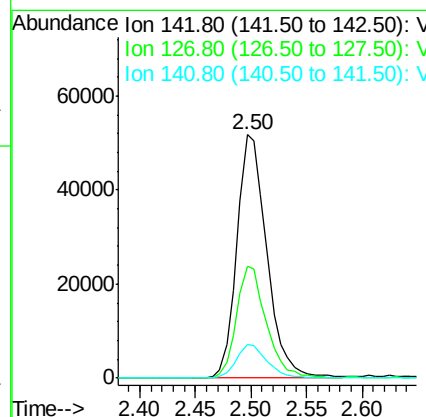
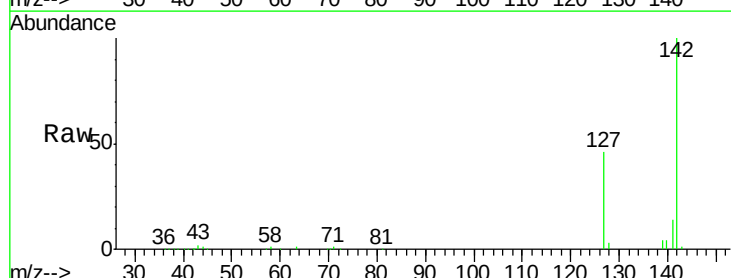
RT: 2.50 min Scan# 264

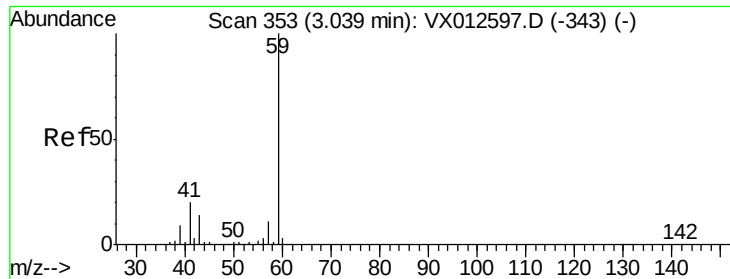
Delta R.T. 0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	142	Resp:	96873
Ion Ratio	Lower	Upper	
142	100		
127	45.8	40.8	61.2
141	14.1	12.1	18.1





#11

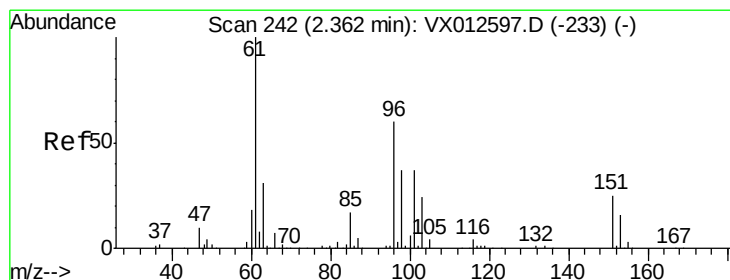
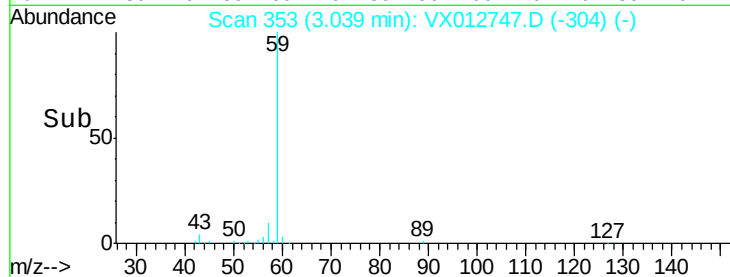
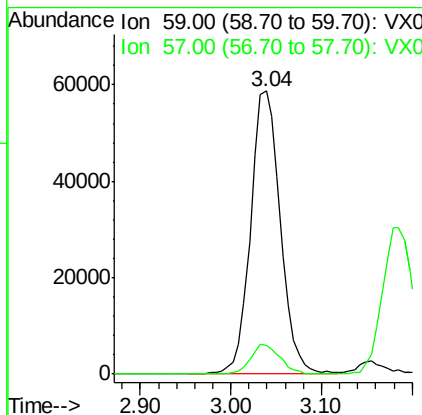
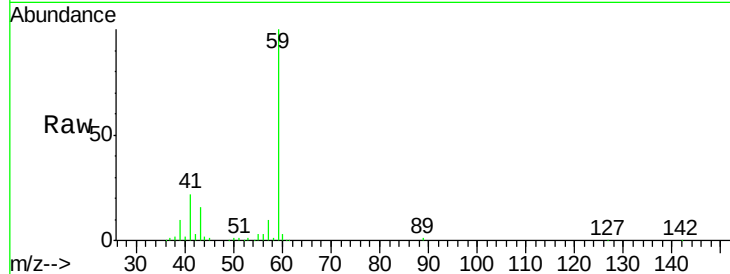
Tert butyl alcohol
Concen: 215.287 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
APPROVED

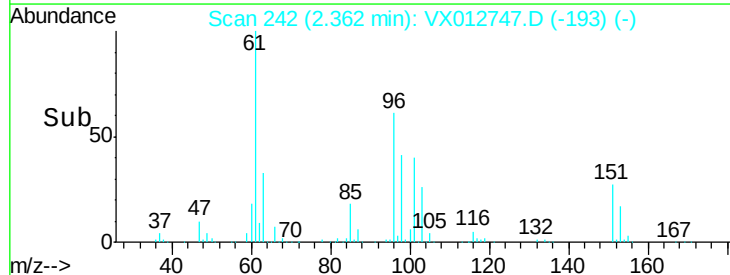
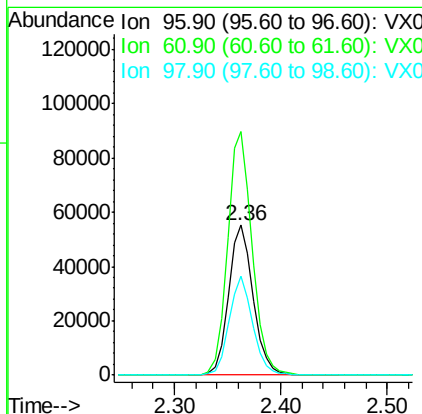
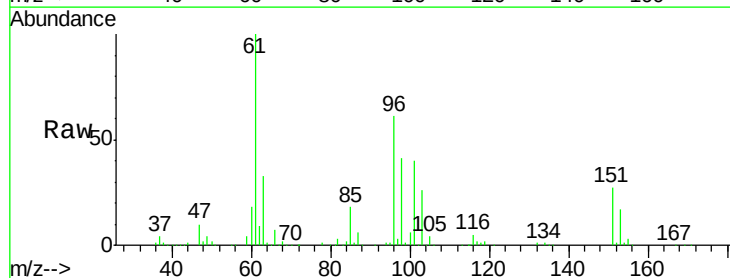
MMDadoda
10/2/2019 10:07:31 AM

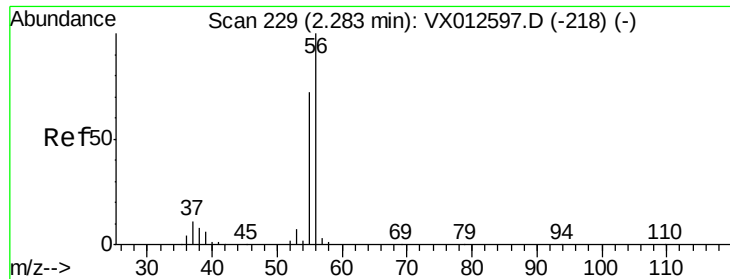


#12

1,1-Dichloroethene
Concen: 48.683 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	133.8	200.6
98	66.1	49.9	74.9





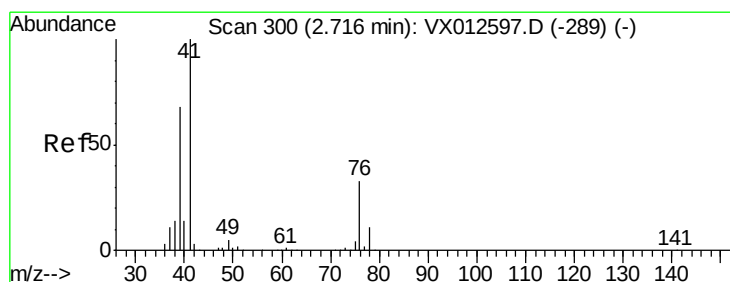
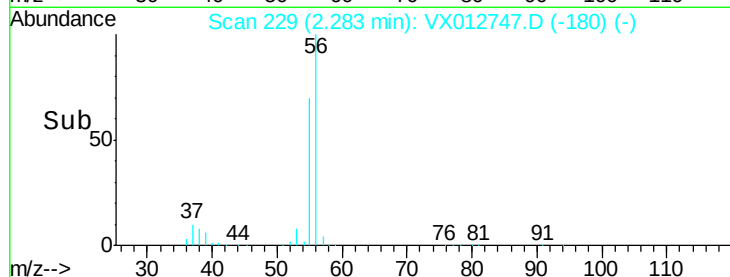
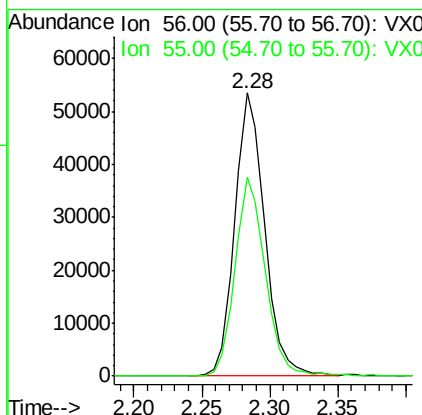
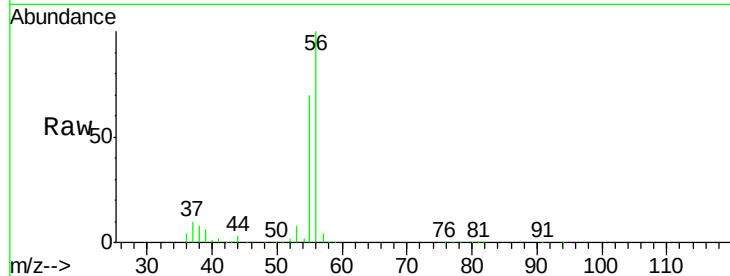
#13
Acrolein
Concen: 237.629 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	55.8	83.8

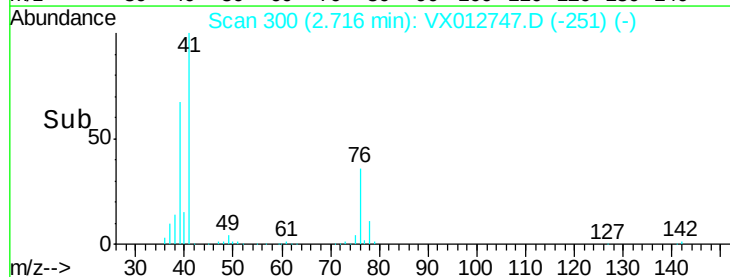
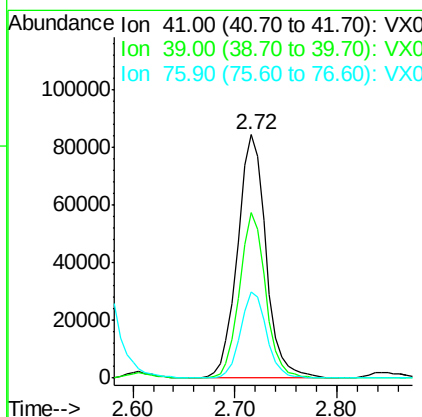
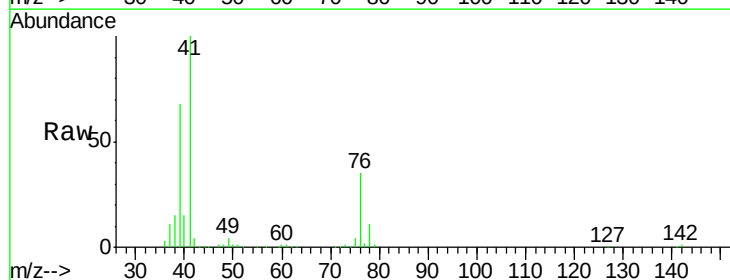
Manual Integrations
APPROVED

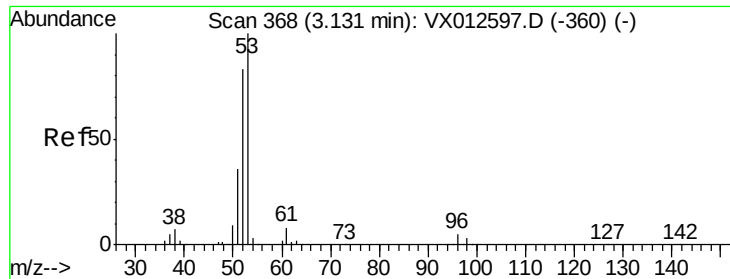
MMDadoda
10/2/2019 10:07:31 AM



#14
Allyl chloride
Concen: 44.977 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	51.3	76.9
76	32.4	22.6	33.8





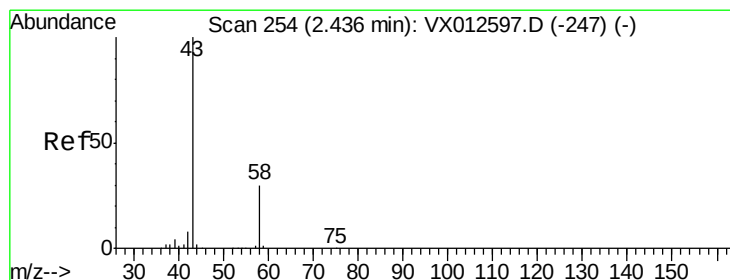
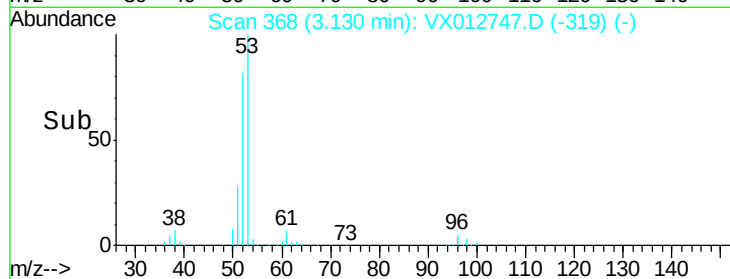
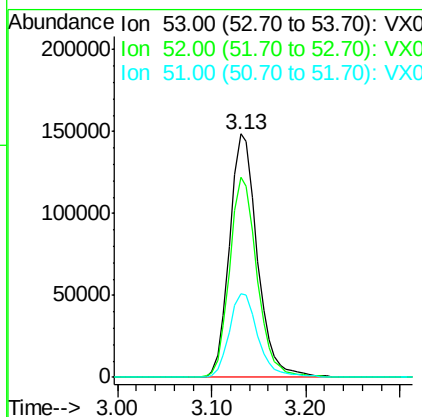
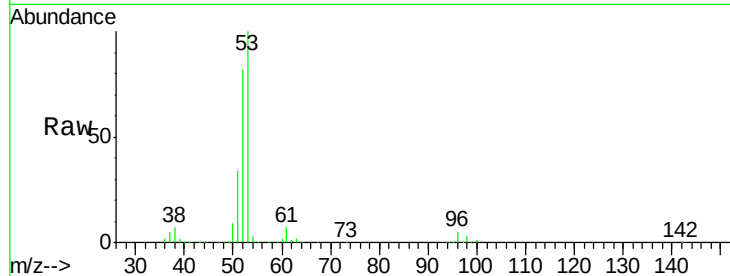
#15
 Acrylonitrile
 Concen: 242.429 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.0	100.4
51	35.8	29.6	44.4

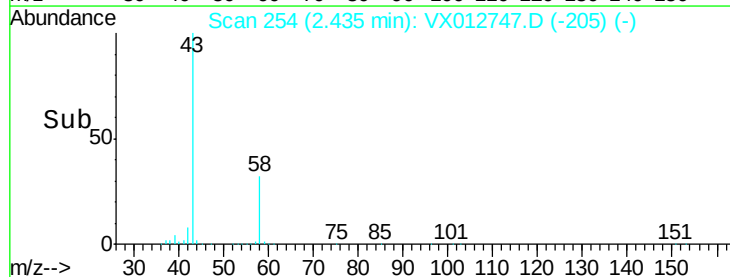
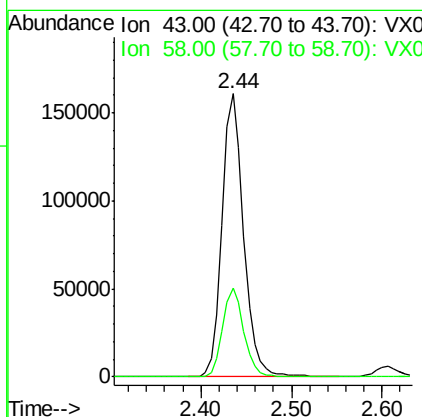
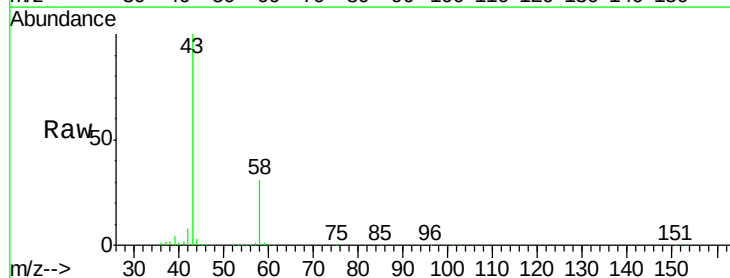
Manual Integrations
 APPROVED

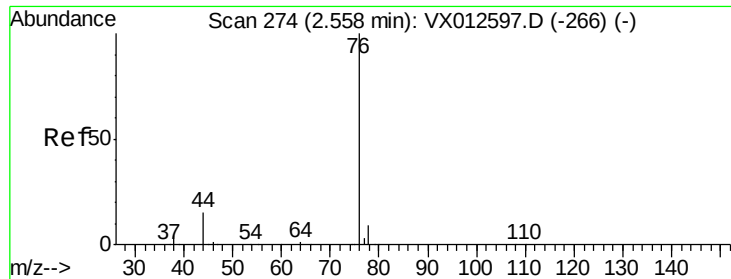
MMDadoda
 10/2/2019 10:07:31 AM



#16
 Acetone
 Concen: 202.726 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.3	34.9





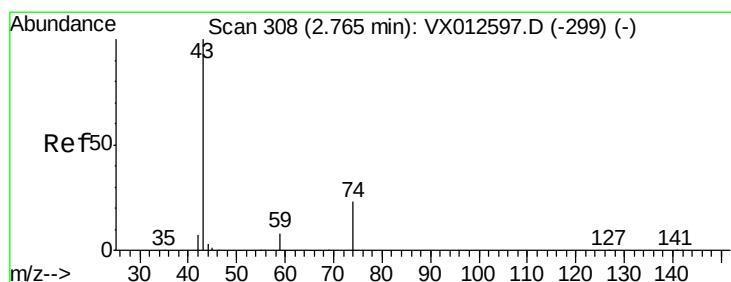
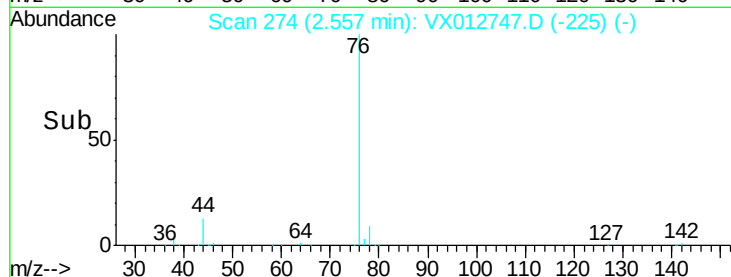
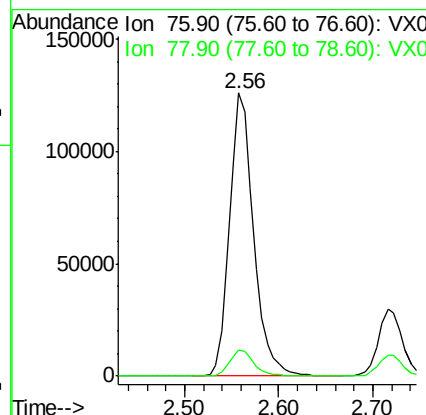
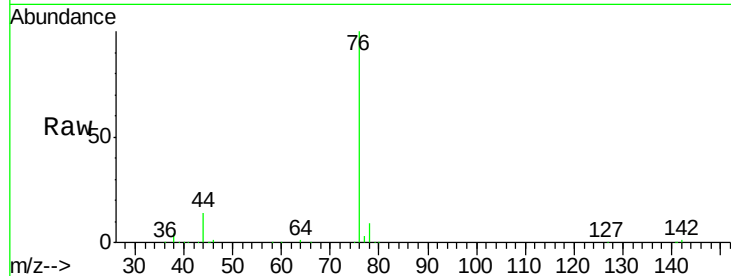
#17
Carbon Disulfide
Concen: 43.426 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

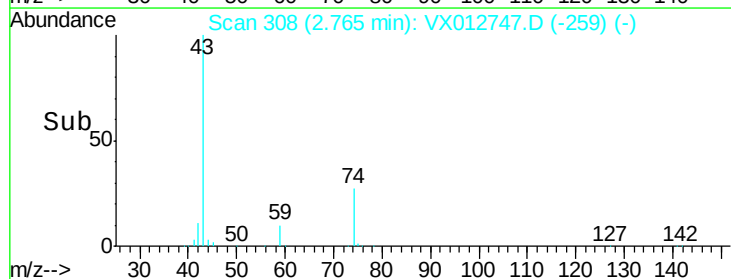
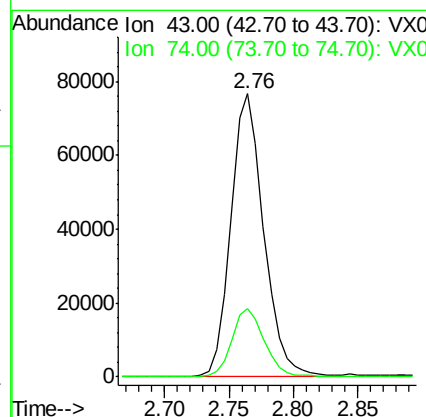
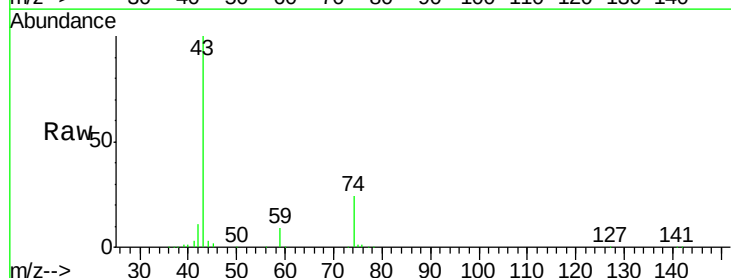
Manual Integrations
APPROVED

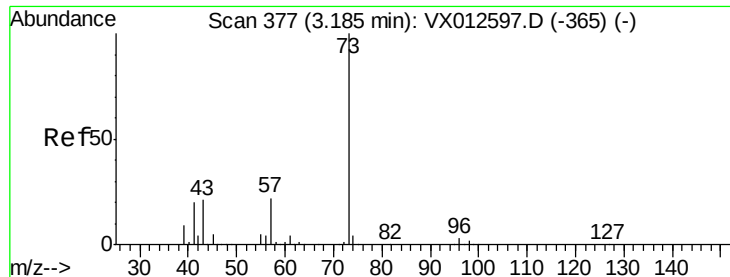
MMDadoda
10/2/2019 10:07:31 AM



#18
Methyl Acetate
Concen: 43.902 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.7	26.5





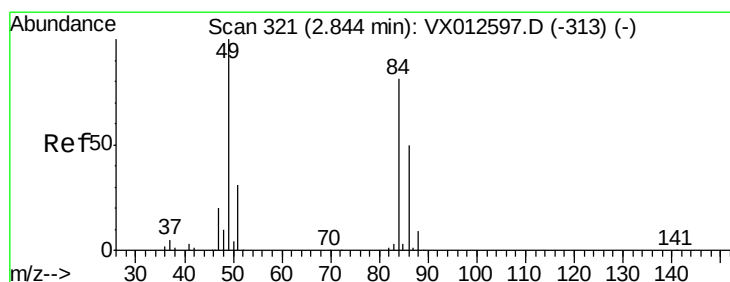
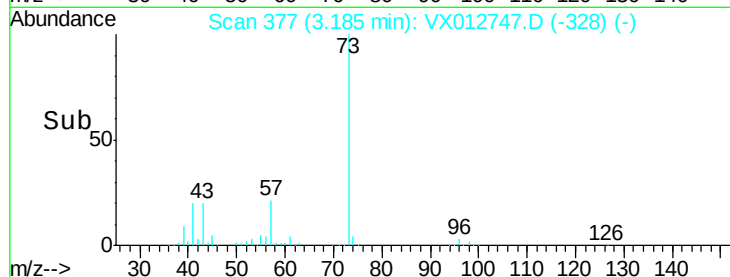
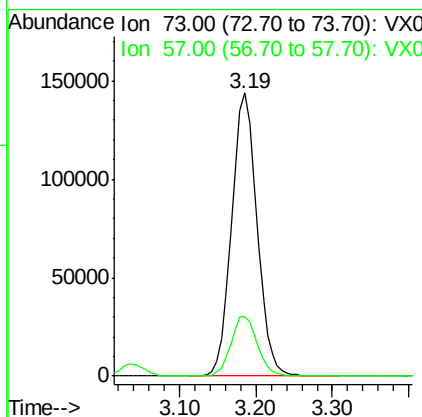
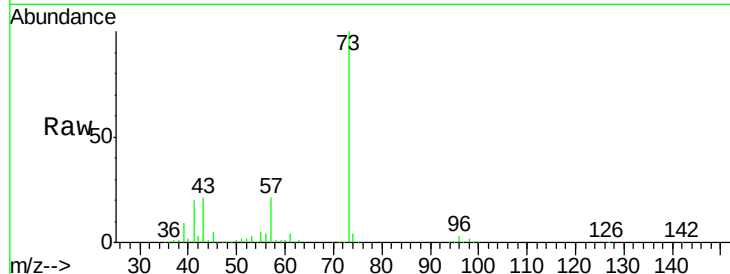
#19
Methyl tert-butyl Ether
Concen: 47.552 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion: 73 Resp: 330442
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2

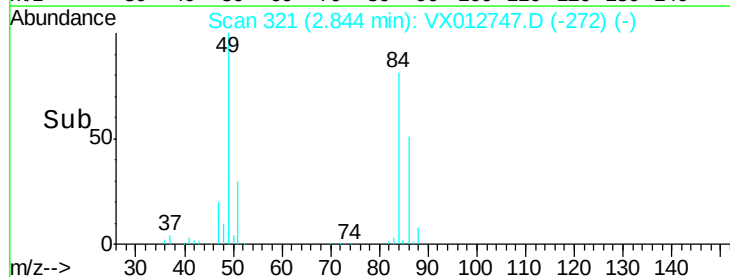
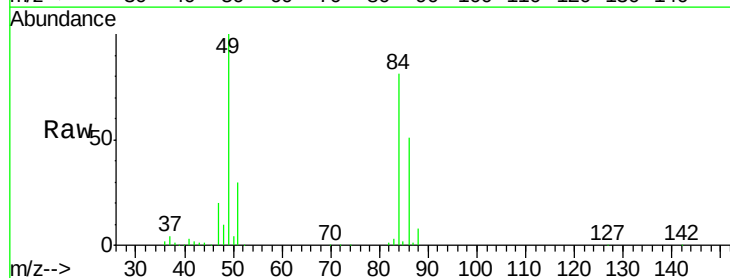
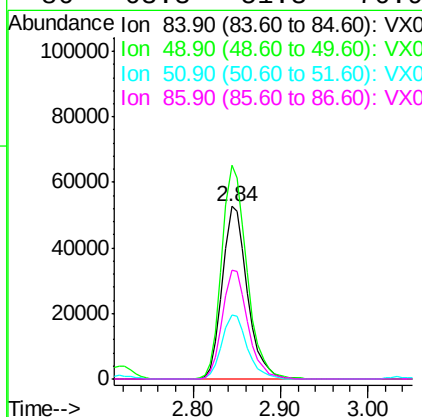
Manual Integrations
APPROVED

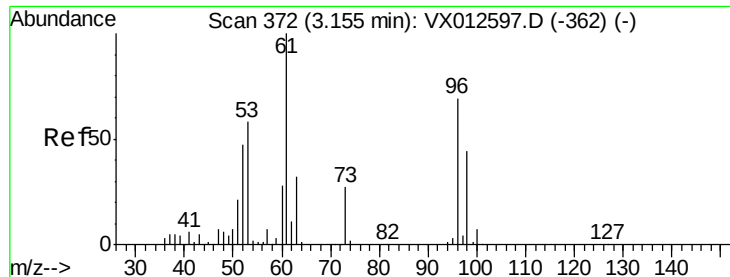
MMDadoda
10/2/2019 10:07:31 AM



#20
Methylene Chloride
Concen: 46.995 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion: 84 Resp: 104685
Ion Ratio Lower Upper
84 100
49 123.7 106.8 160.2
51 37.0 32.3 48.5
86 63.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.969 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

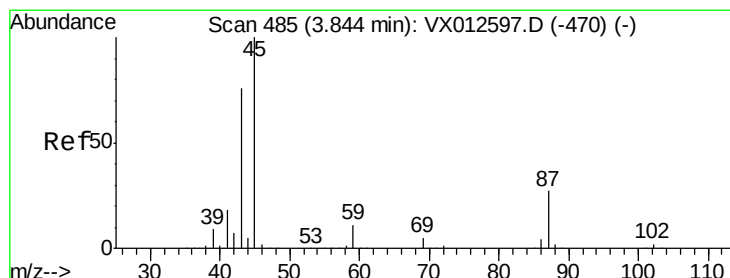
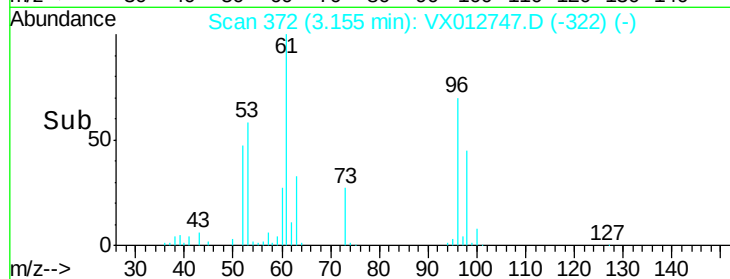
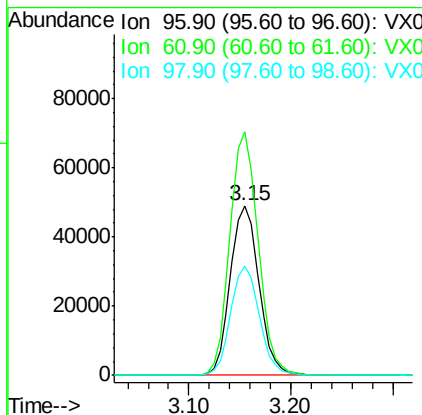
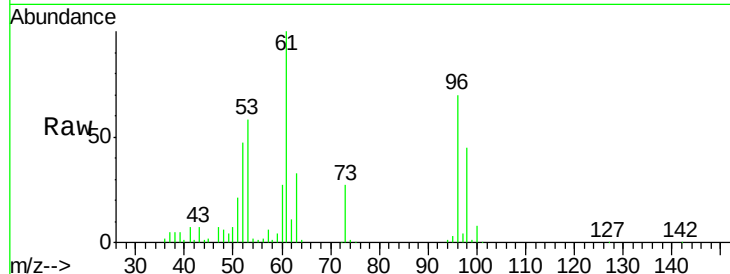
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	96	Resp:	95531
Ion	Ratio	Lower	Upper
96	100		
61	143.5	112.0	168.0
98	64.0	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#22

Diisopropyl ether

Concen: 46.660 ug/l

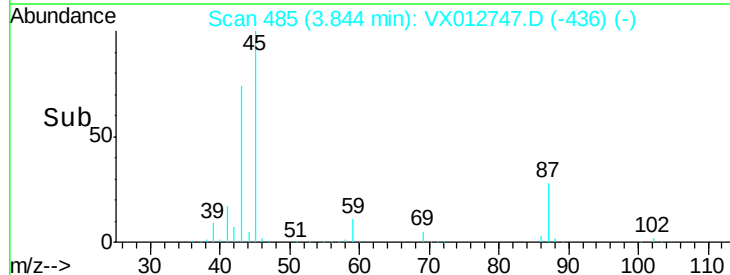
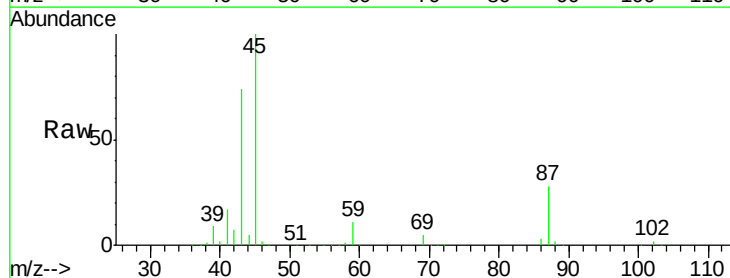
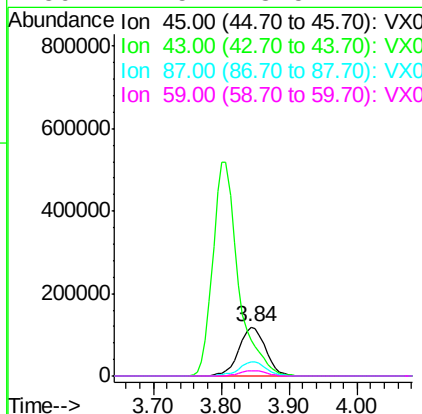
RT: 3.84 min Scan# 485

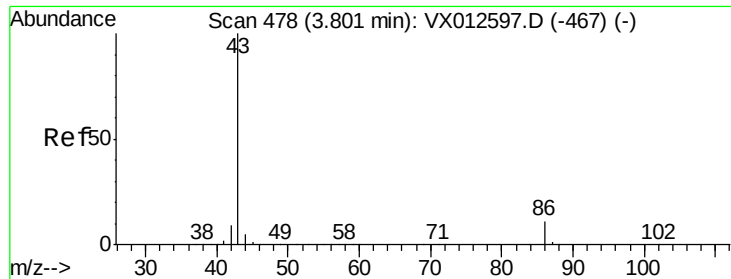
Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	45	Resp:	328402
Ion	Ratio	Lower	Upper
45	100		
43	73.7	57.8	86.8
87	27.6	21.3	31.9
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 218.785 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 43 Resp: 1350359

Ion Ratio Lower Upper

43 100

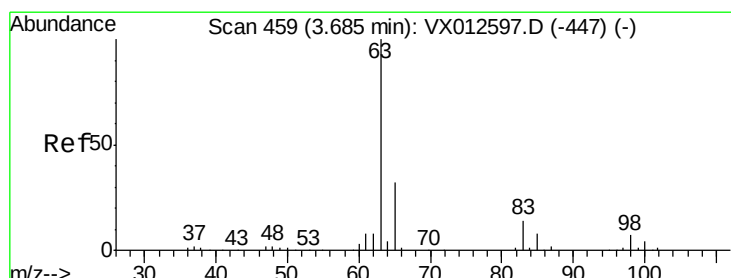
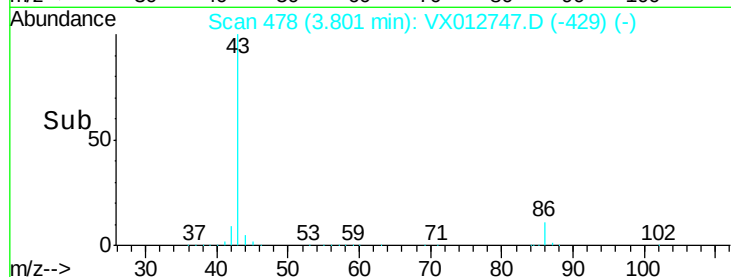
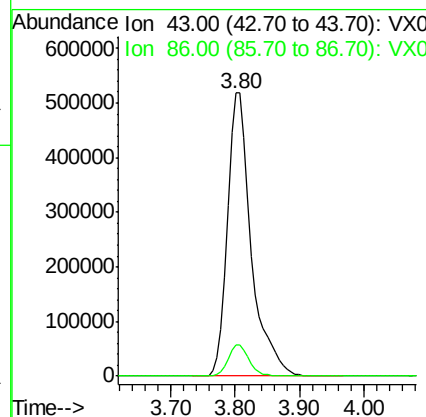
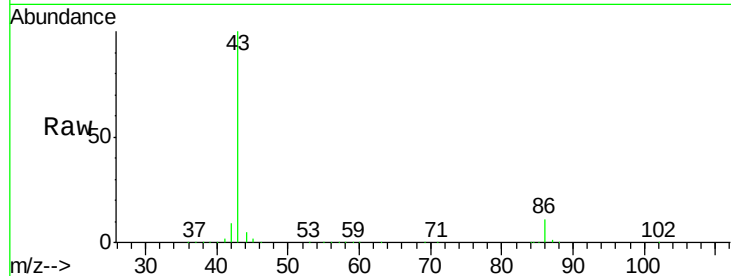
86 11.0 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



#24

1,1-Dichloroethane

Concen: 47.868 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

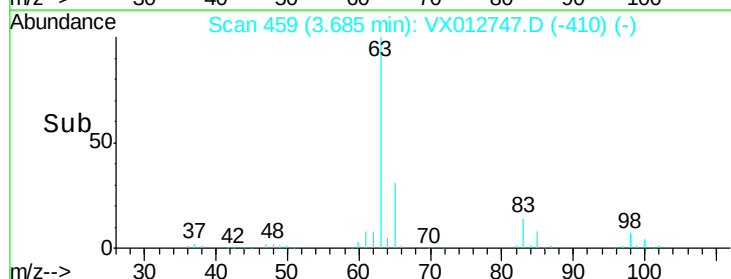
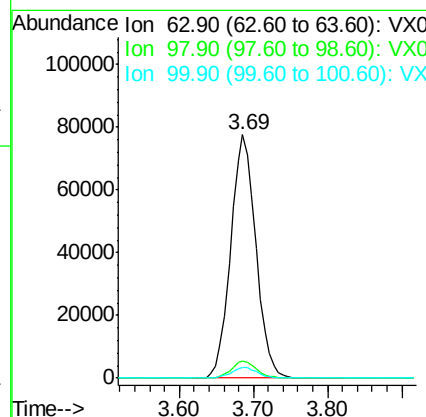
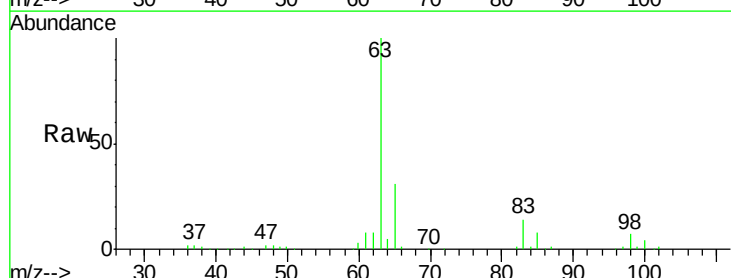
Tgt Ion: 63 Resp: 183132

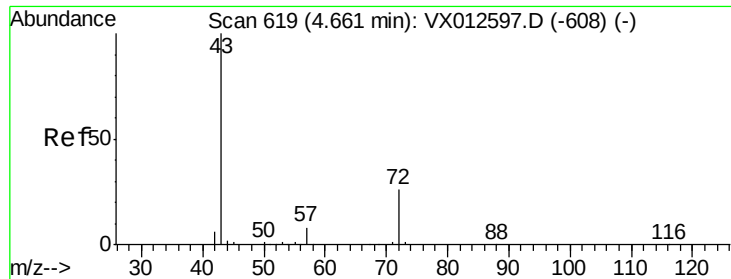
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 221.376 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 43 Resp: 418055

Ion Ratio Lower Upper

43 100

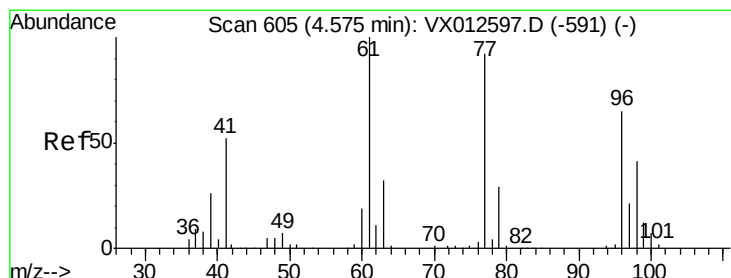
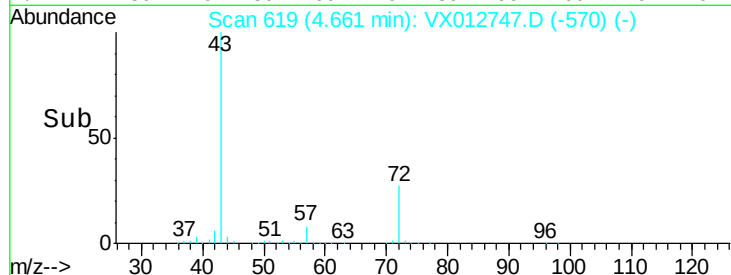
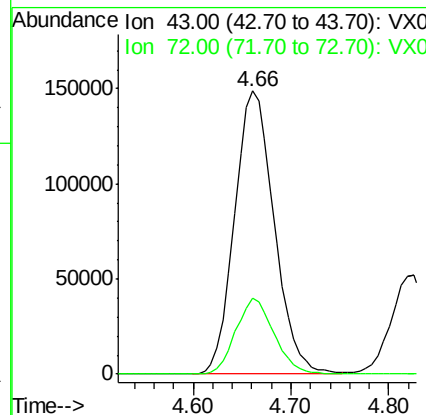
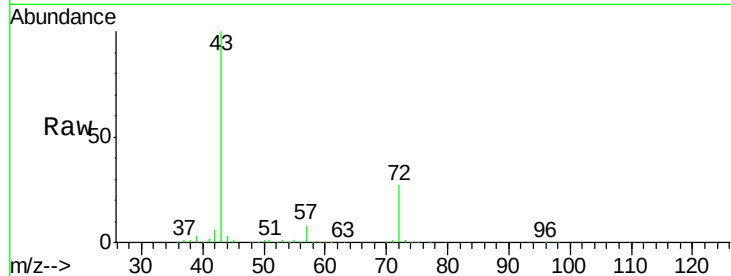
72 26.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



#26

2,2-Dichloropropane

Concen: 35.659 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012747.D

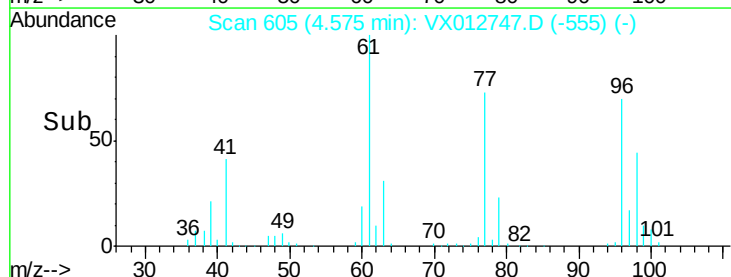
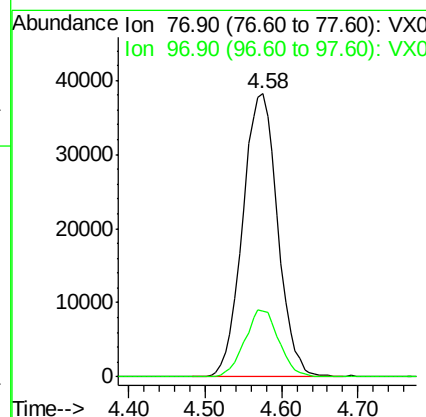
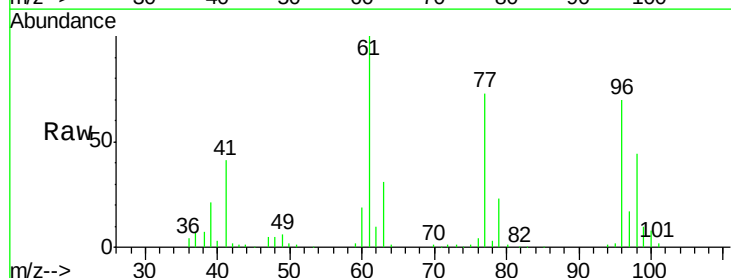
Acq: 01 Oct 2019 20:42

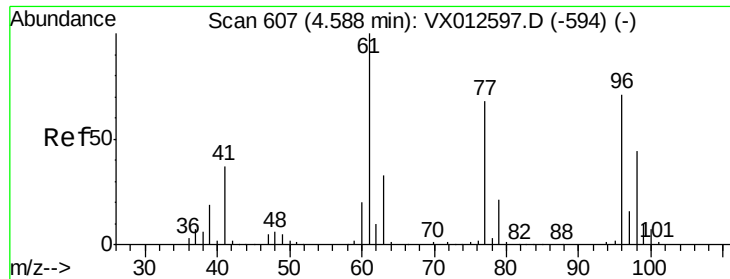
Tgt Ion: 77 Resp: 121334

Ion Ratio Lower Upper

77 100

97 23.4 10.5 31.6





#27

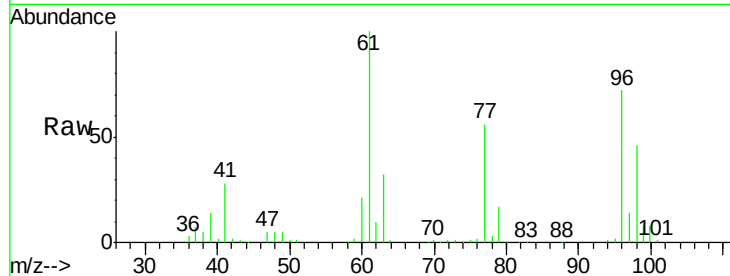
cis-1,2-Dichloroethene
Concen: 47.639 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

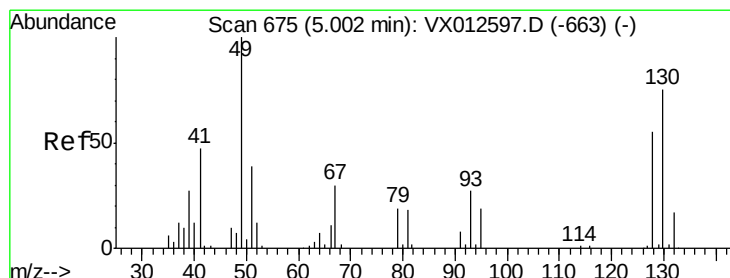
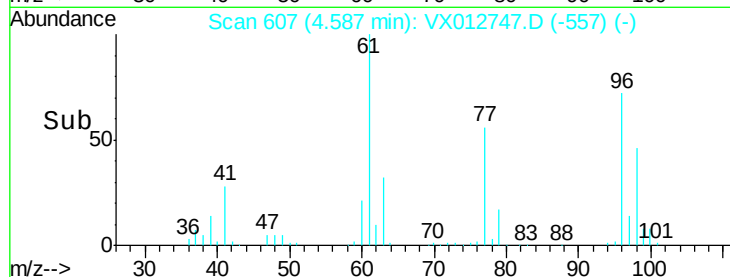
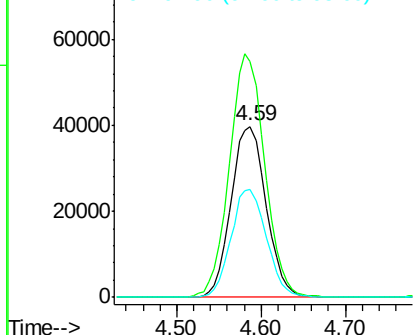
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.4	0.0	319.4	
98	63.8	0.0	130.6	

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



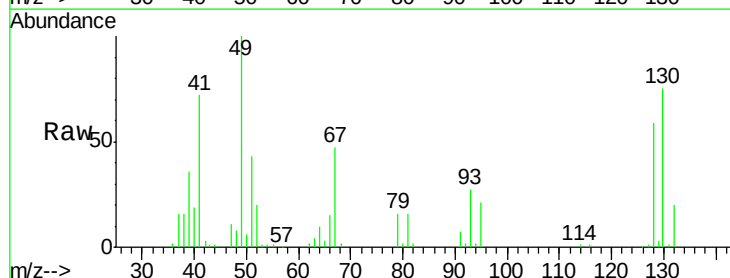
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



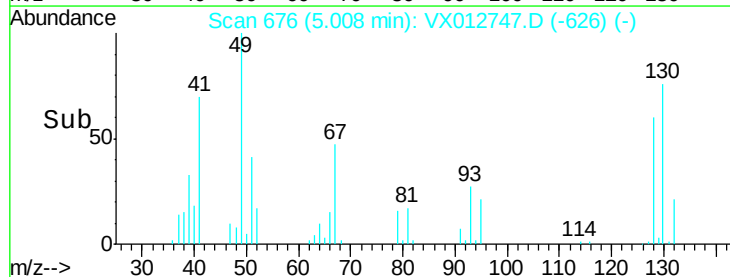
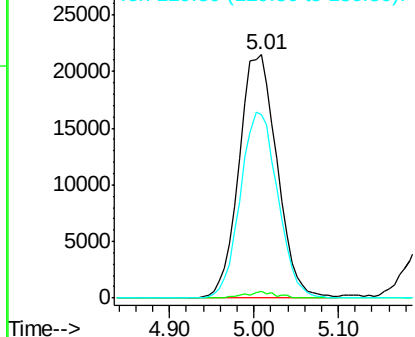
#28

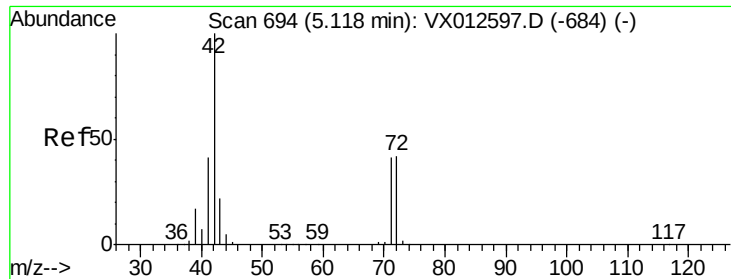
Bromochloromethane
Concen: 47.408 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.8	
130	74.9	58.2	87.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





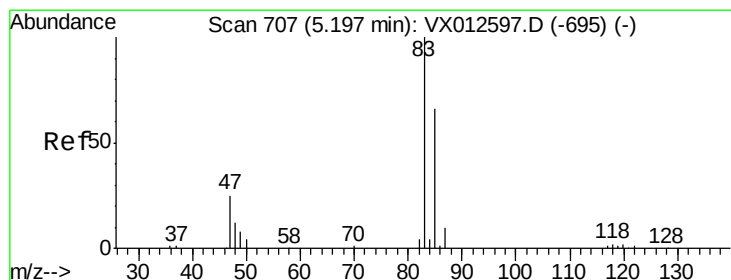
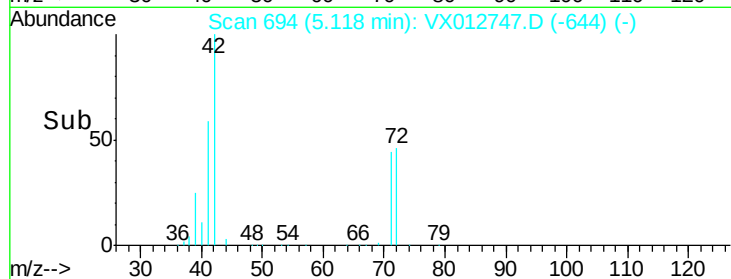
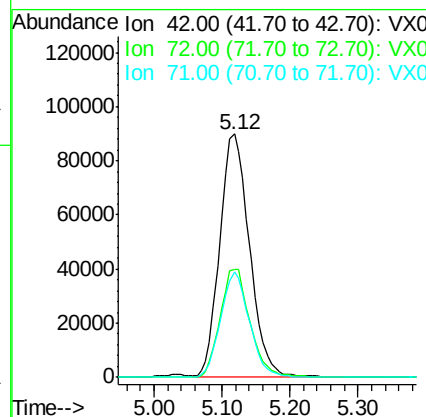
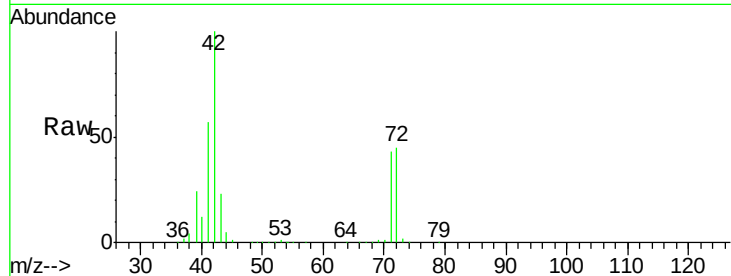
#29
Tetrahydrofuran
Concen: 237.227 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.0	51.0
71	41.7	31.5	47.3

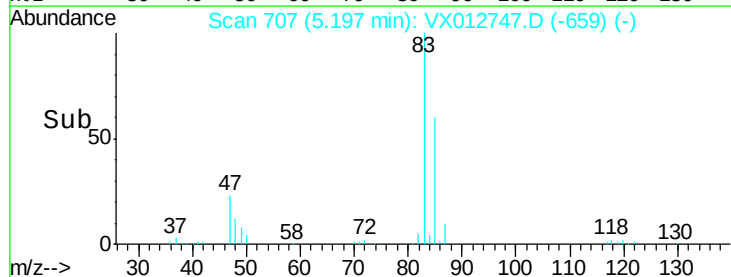
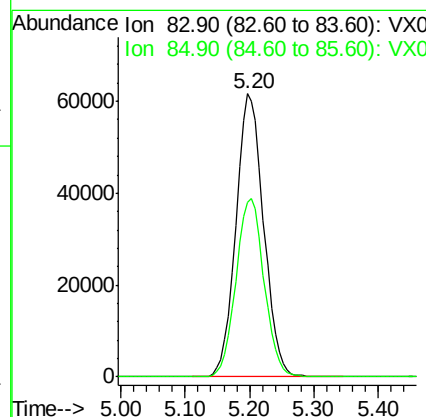
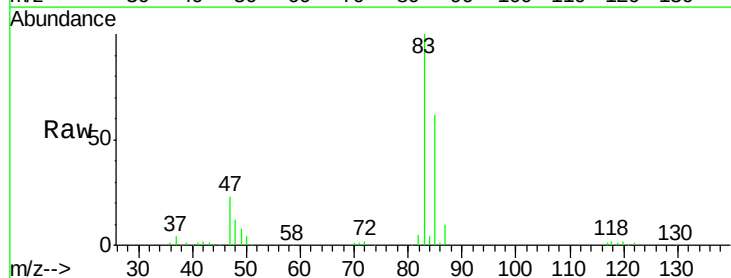
Manual Integrations
APPROVED

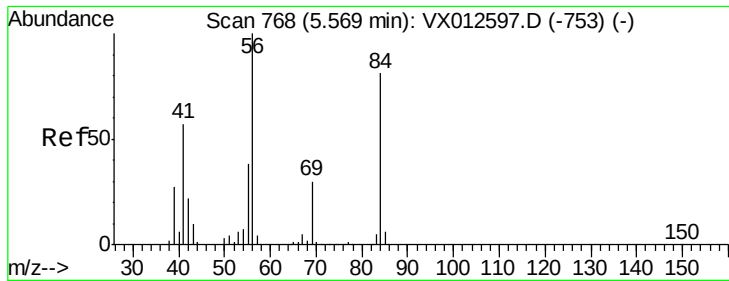
MMDadoda
10/2/2019 10:07:31 AM



#30
Chloroform
Concen: 47.106 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.0	79.4





#31

Cyclohexane

Concen: 46.161 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

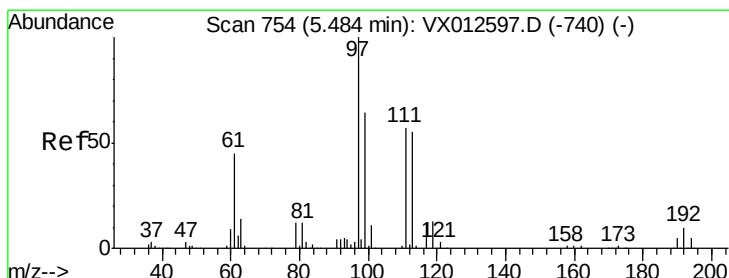
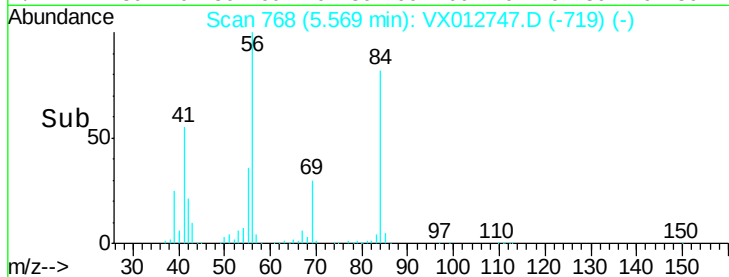
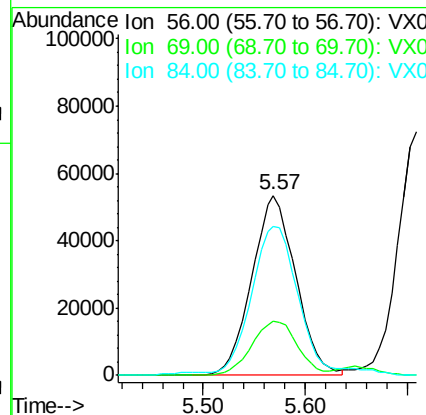
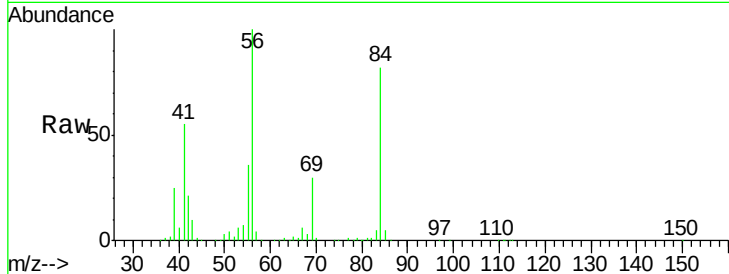
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.0	37.6
84	80.9	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#32

1,1,1-Trichloroethane

Concen: 47.273 ug/l

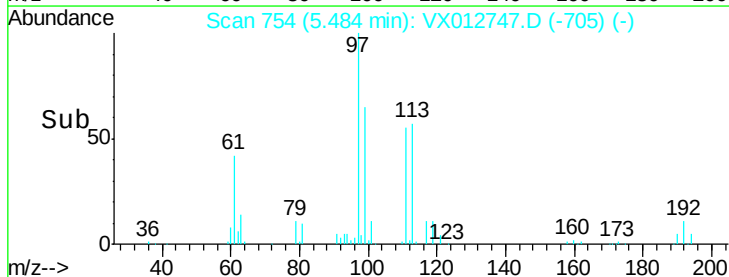
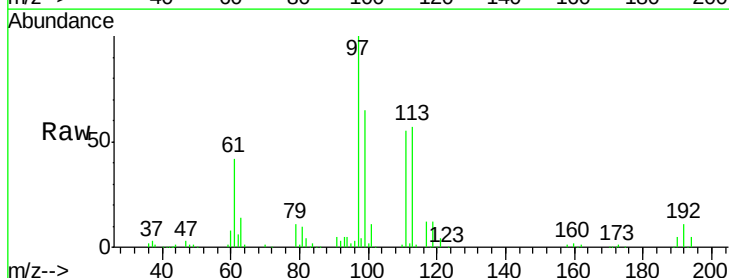
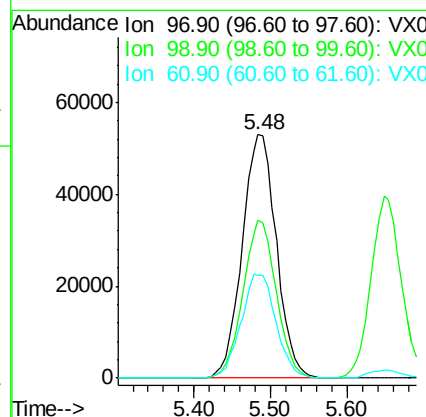
RT: 5.48 min Scan# 754

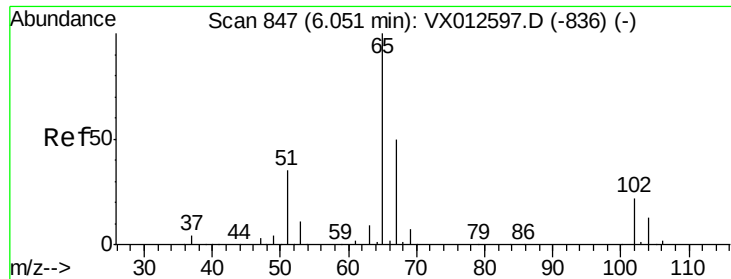
Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	43.7	36.1	54.1





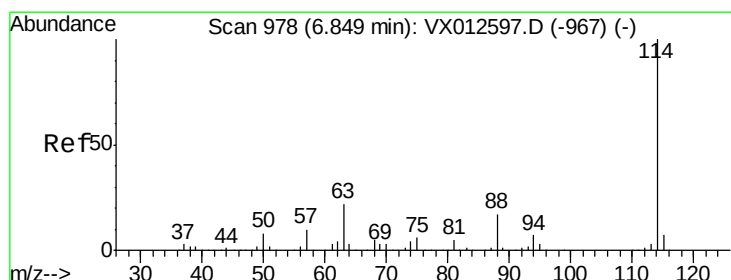
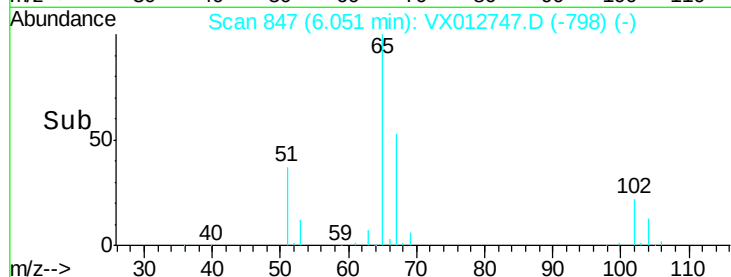
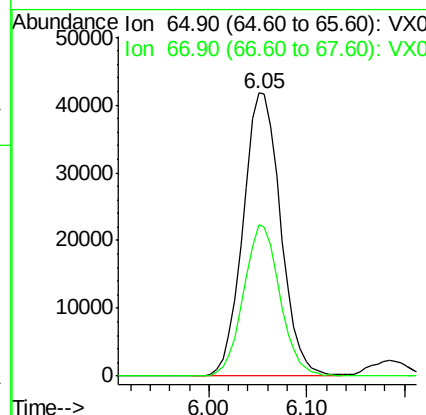
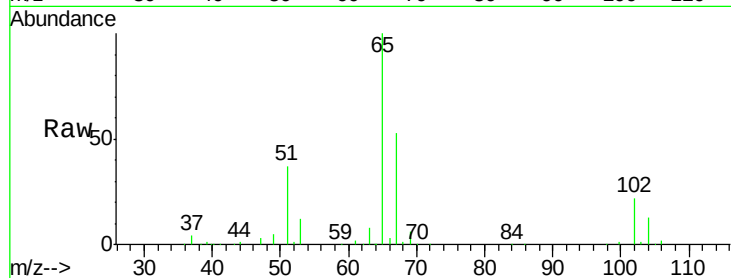
#33
 1,2-Dichloroethane-d4
 Concen: 44.935 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111730		
67	51.6	0.0	101.2	

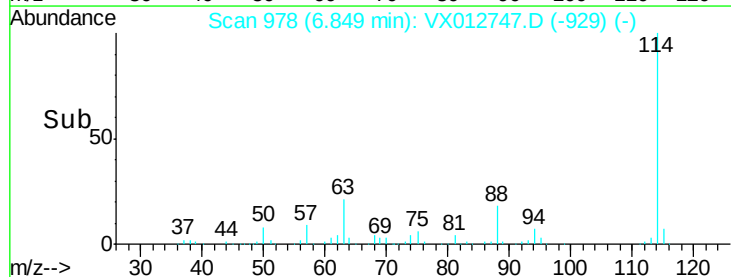
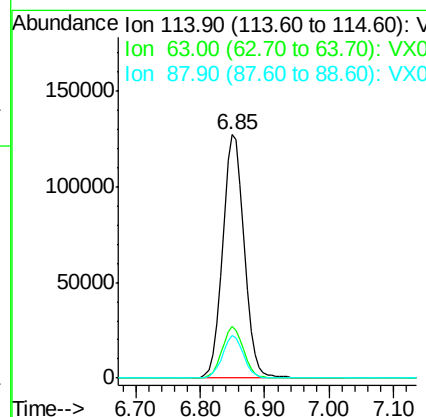
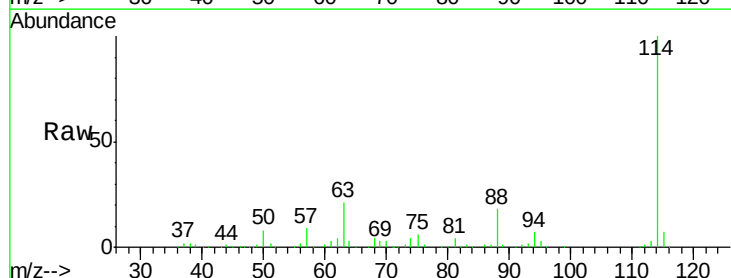
Manual Integrations
 APPROVED

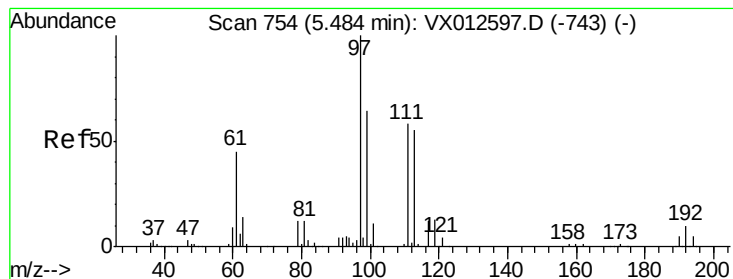
MMDadoda
 10/2/2019 10:07:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302268		
63	21.4	0.0	43.2	
88	17.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 47.634 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

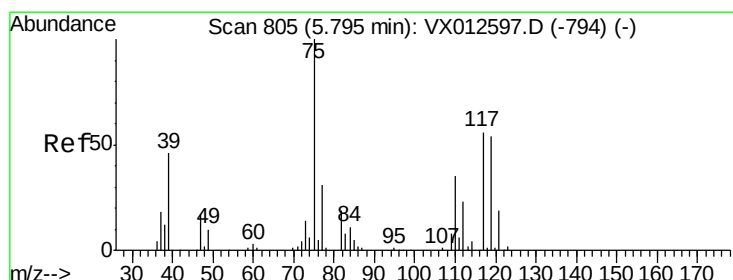
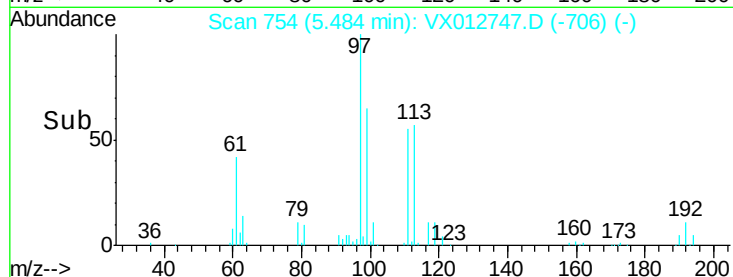
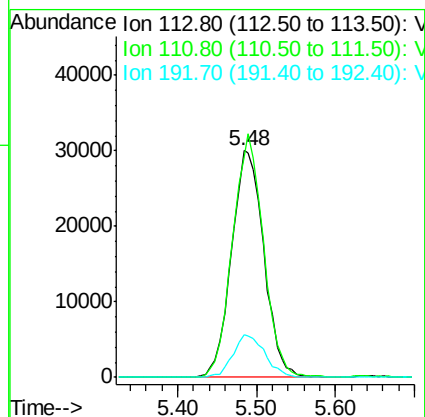
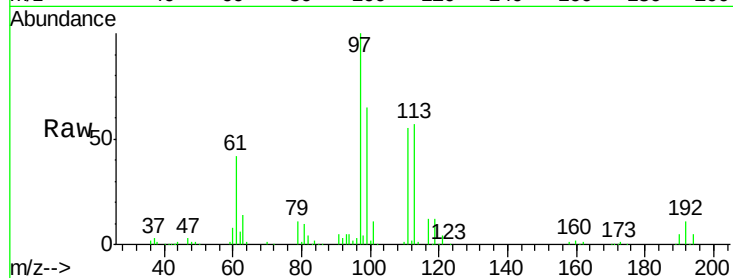
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	113	Resp:	85747
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.2
192	18.5	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#36

1,1-Dichloropropene

Concen: 45.813 ug/l

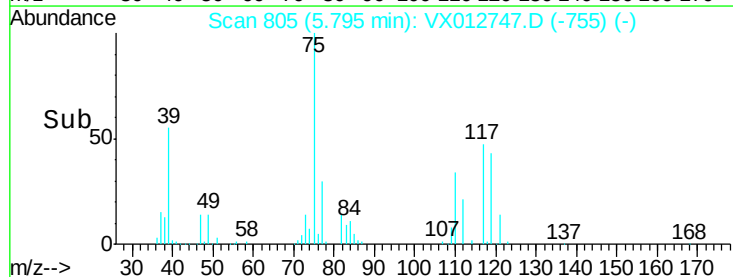
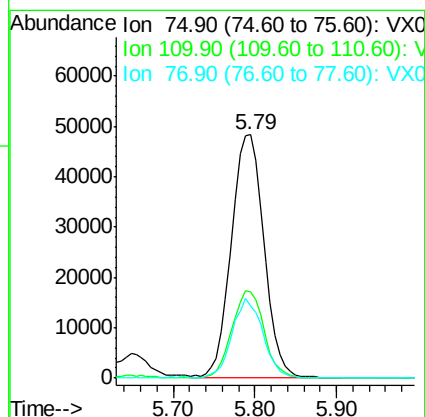
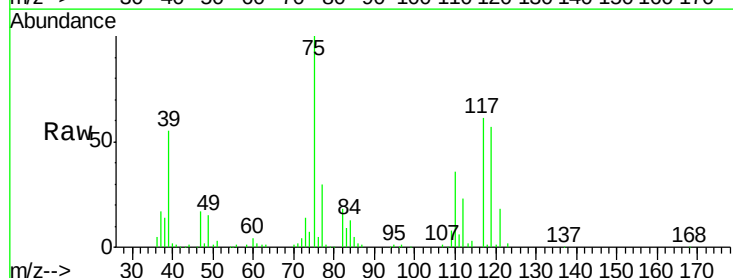
RT: 5.79 min Scan# 805

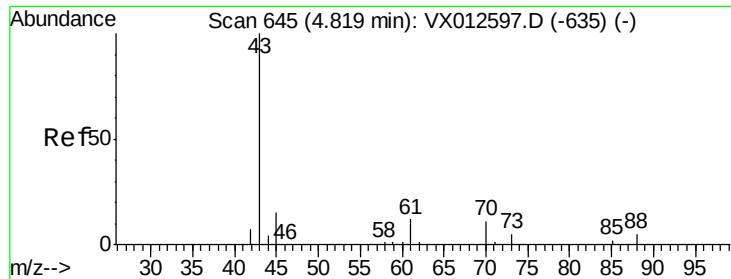
Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	75	Resp:	133477
Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.0
77	30.6	24.2	36.2





#37

Ethyl Acetate

Concen: 44.127 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

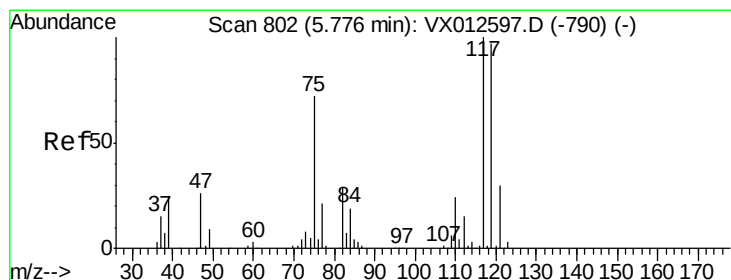
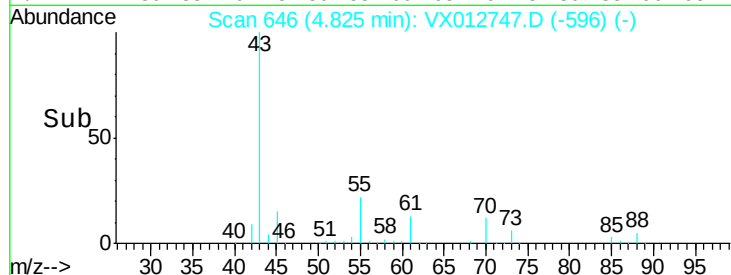
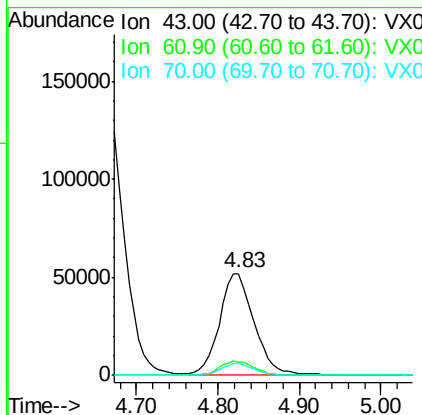
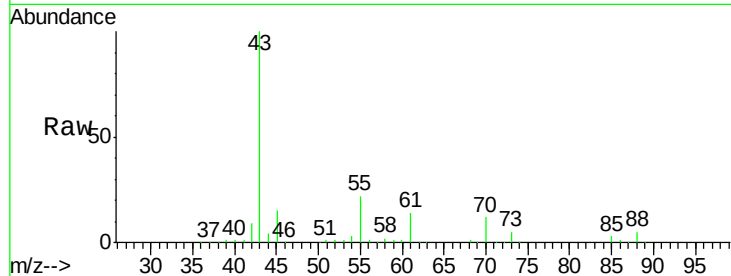
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	43	Resp:	150307
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.2	15.4
70	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#38

Carbon Tetrachloride

Concen: 46.871 ug/l

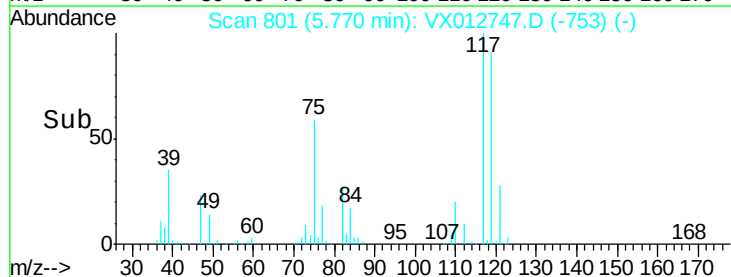
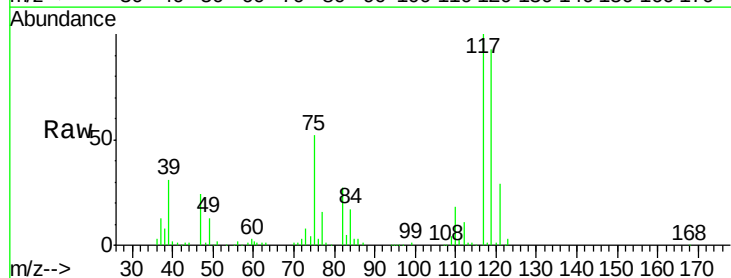
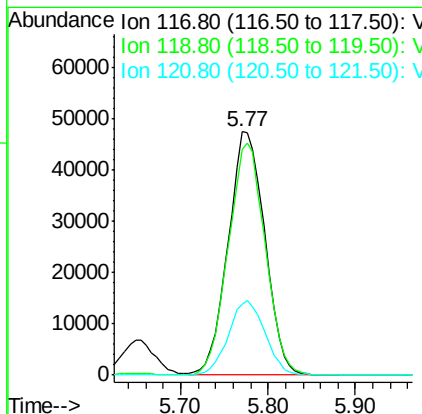
RT: 5.77 min Scan# 801

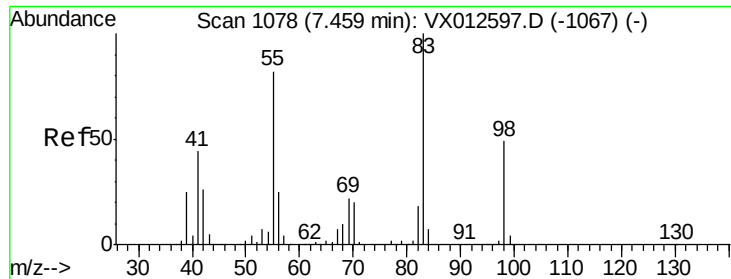
Delta R.T. -0.01 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	117	Resp:	138722
Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.7	113.5
121	28.9	24.2	36.4





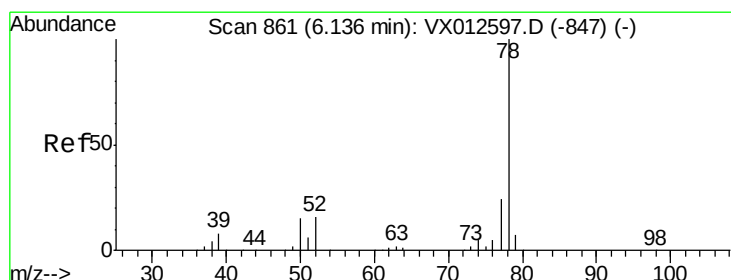
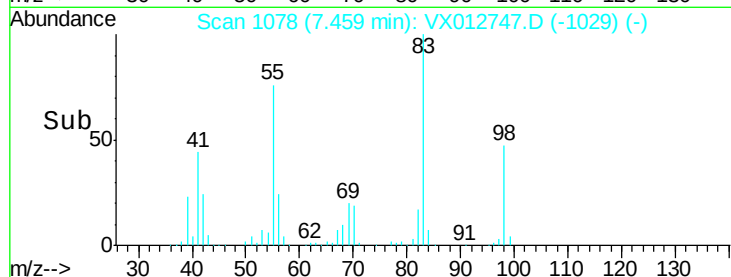
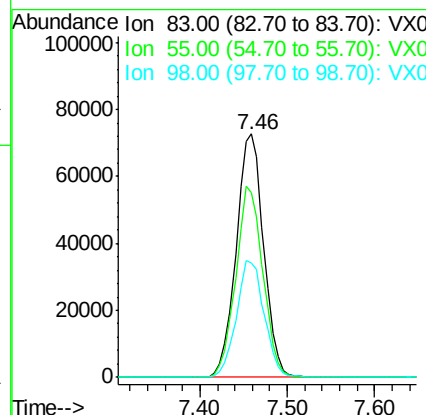
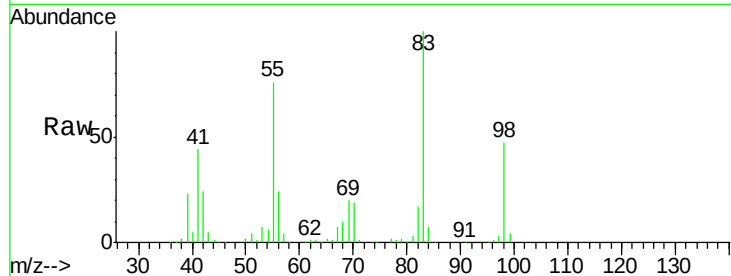
#39
Methylvlcyclohexane
Concen: 45.196 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	64.4	96.6
98	47.1	40.1	60.1

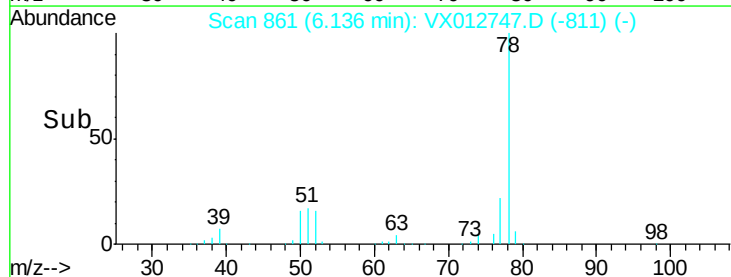
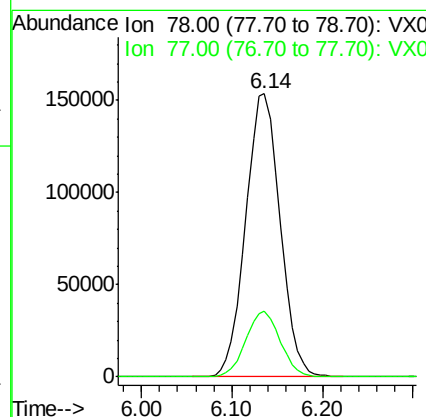
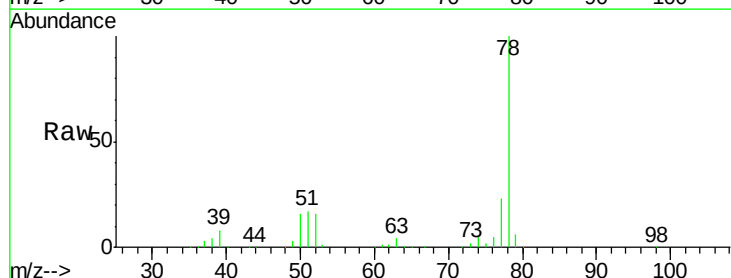
Manual Integrations
APPROVED

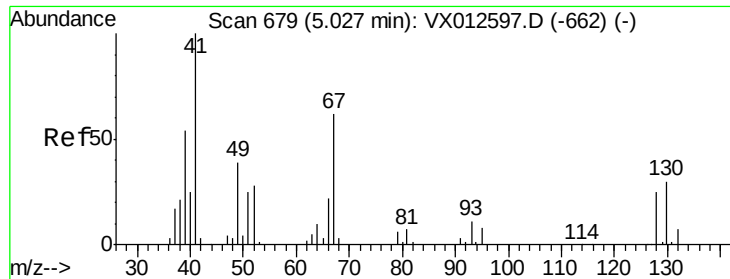
MMDadoda
10/2/2019 10:07:31 AM



#40
Benzene
Concen: 47.209 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





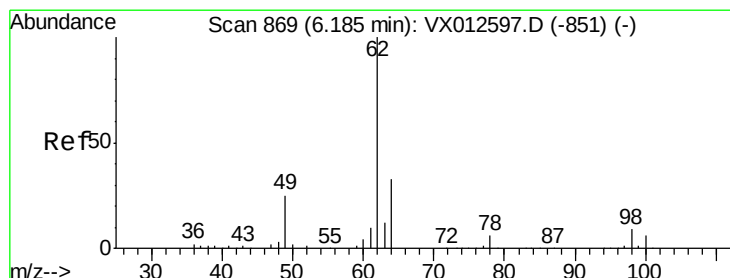
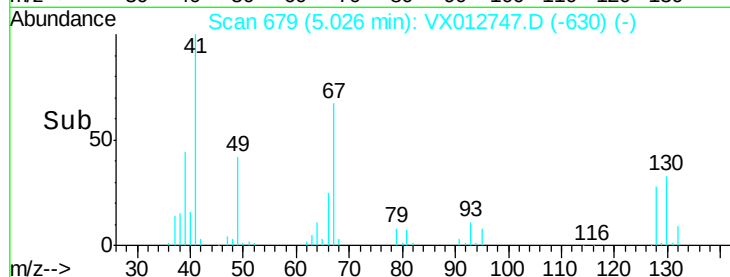
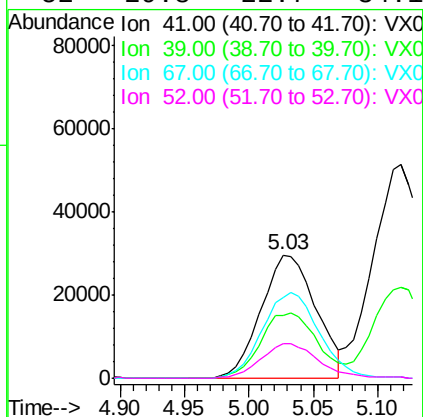
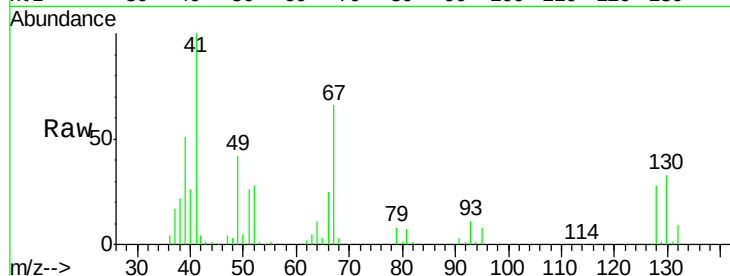
#41
Methacrylonitrile
Concen: 45.489 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		86935		
39	55.9	46.0	69.0		
67	72.8	52.2	78.2		
52	29.8	22.7	34.1		

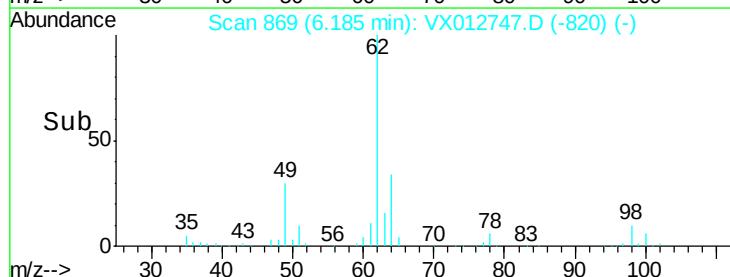
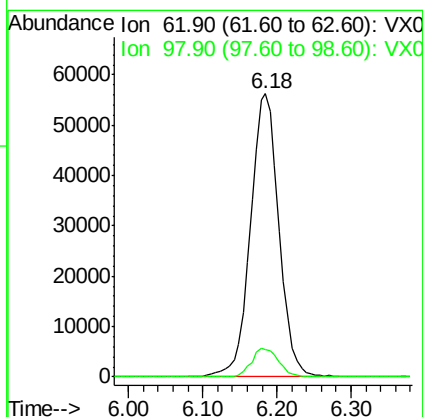
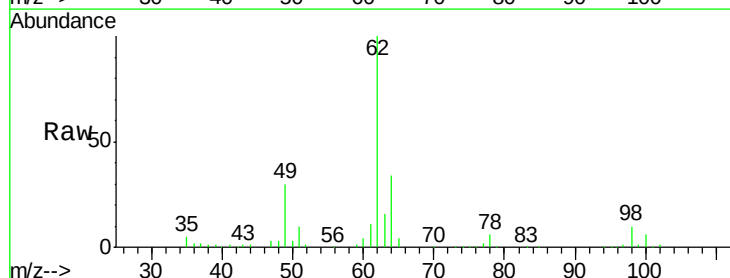
Manual Integrations
APPROVED

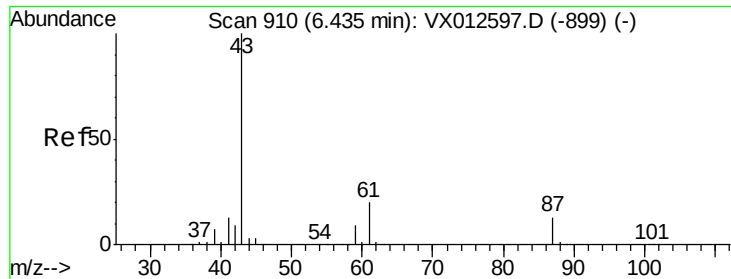
MMDadoda
10/2/2019 10:07:31 AM



#42
1,2-Dichloroethane
Concen: 46.165 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		150281		
98	9.7	0.0	17.8		





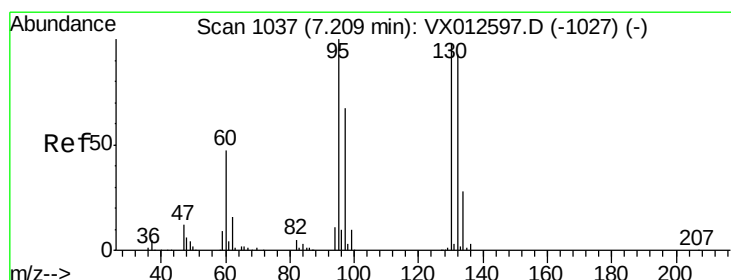
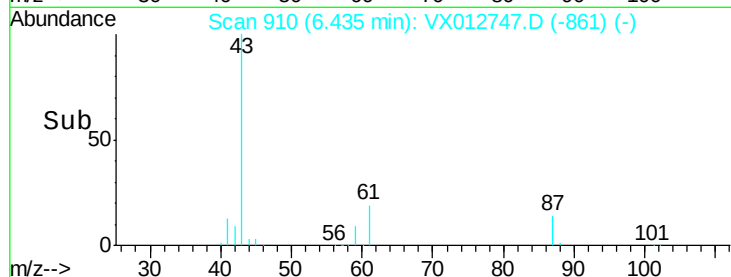
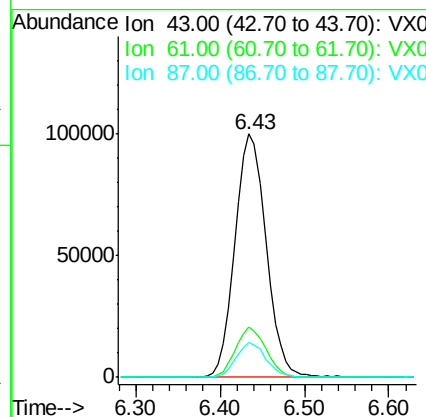
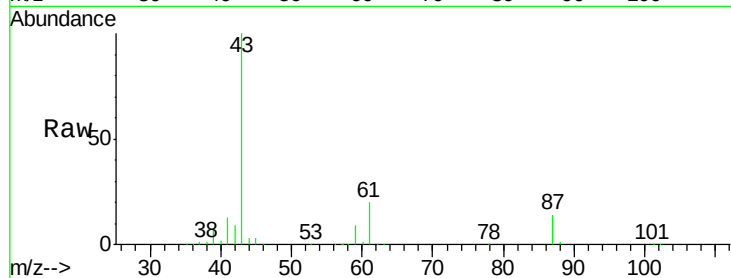
#43
Isopropyl Acetate
Concen: 43.843 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.4	23.0
87	13.8	9.8	14.8

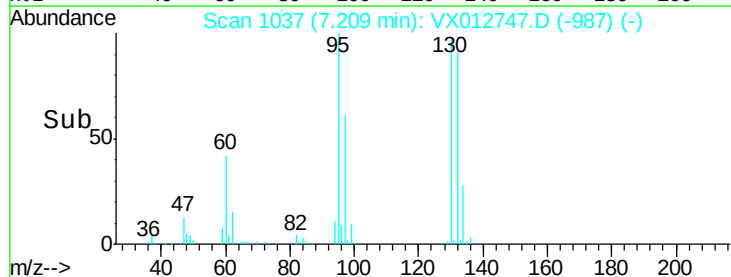
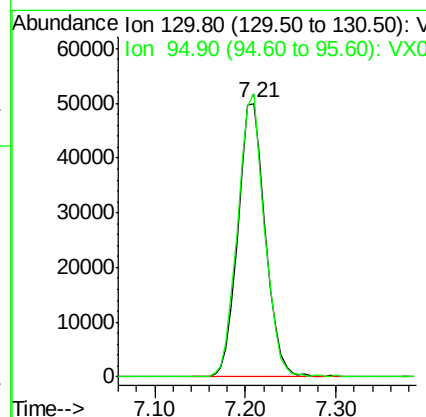
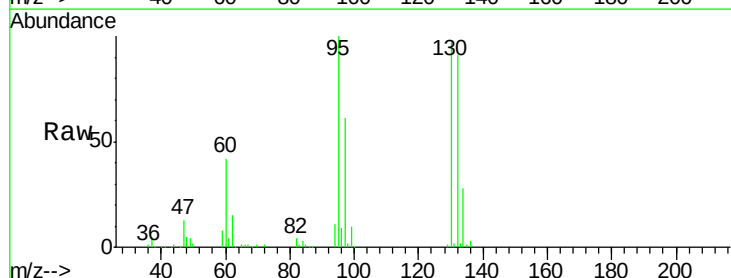
Manual Integrations
APPROVED

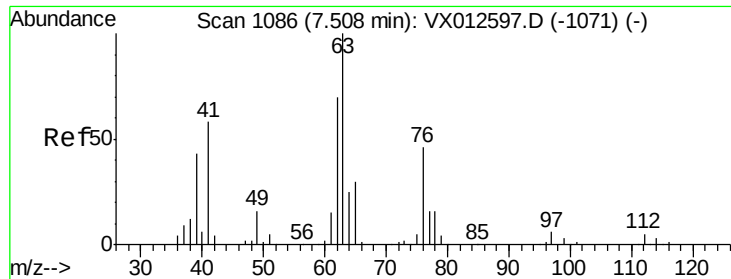
MMDadoda
10/2/2019 10:07:31 AM



#44
Trichloroethene
Concen: 47.782 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	193.0





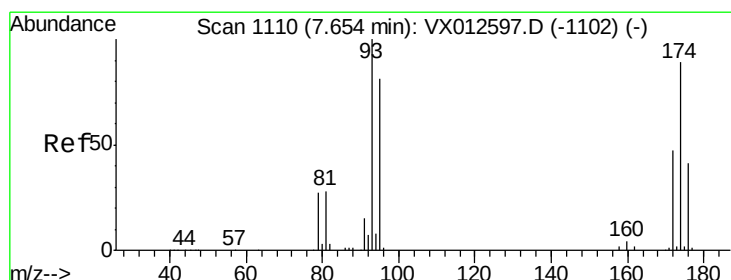
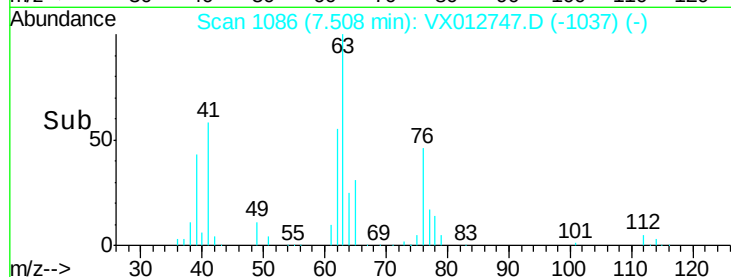
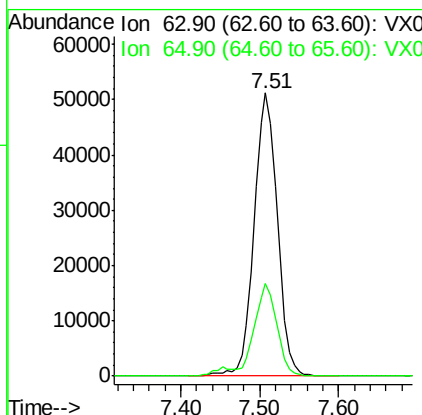
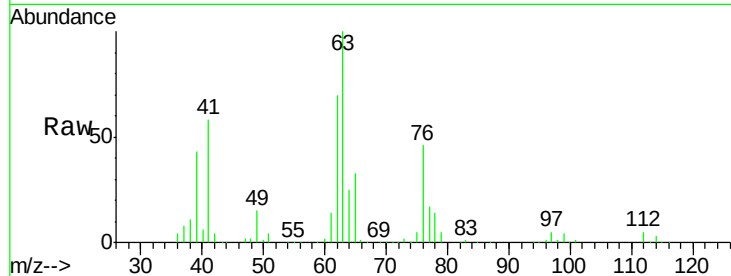
#45
 1,2-Dichloropropane
 Concen: 47.869 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion: 63 Resp: 105061
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6

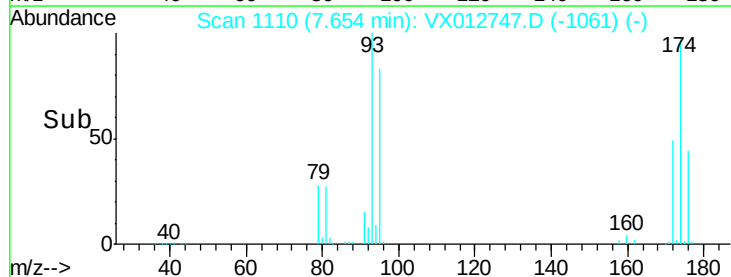
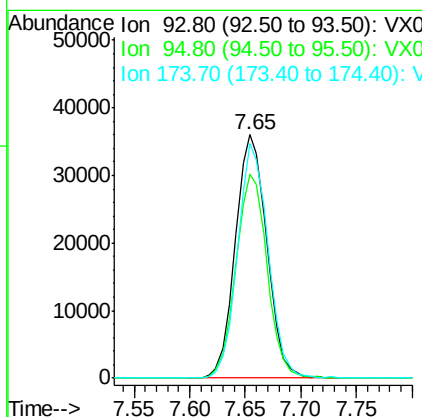
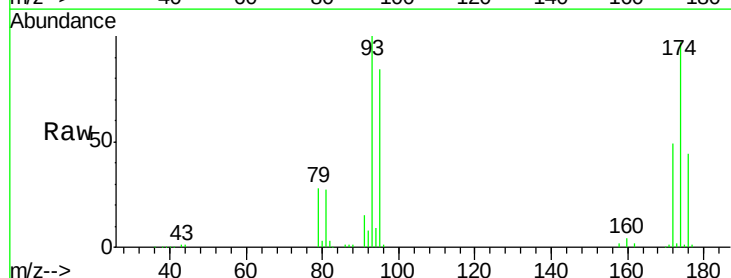
Manual Integrations
 APPROVED

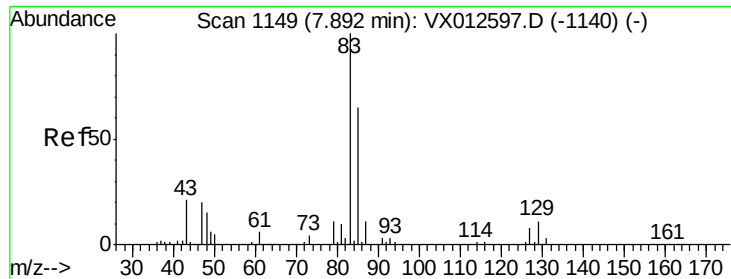
MMDadoda
 10/2/2019 10:07:31 AM



#46
 Dibromomethane
 Concen: 47.123 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion: 93 Resp: 70416
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 93.3 77.4 116.0





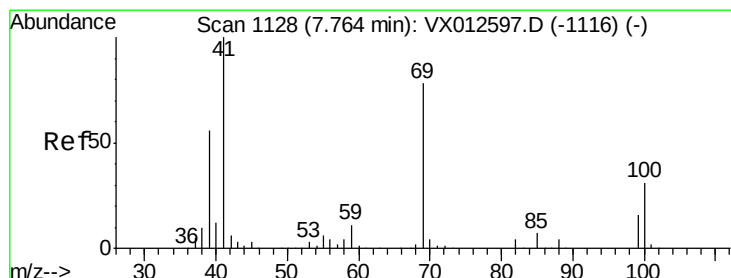
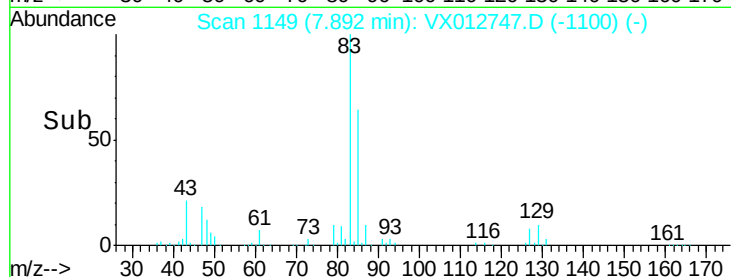
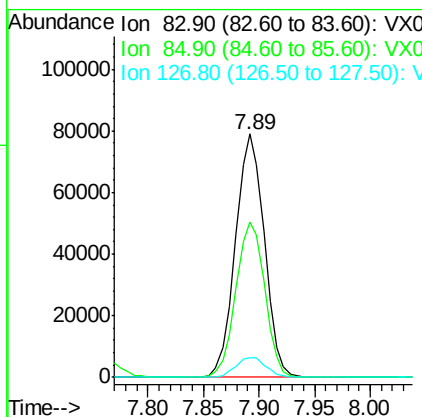
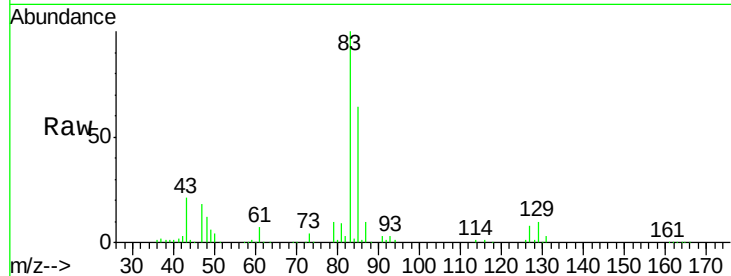
#47
Bromodichloromethane
Concen: 47.447 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	83	Resp	141702
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.2	7.3	10.9

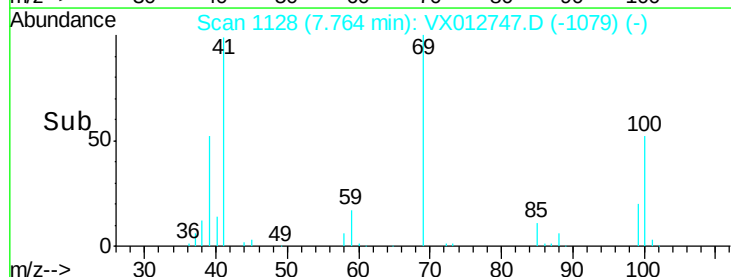
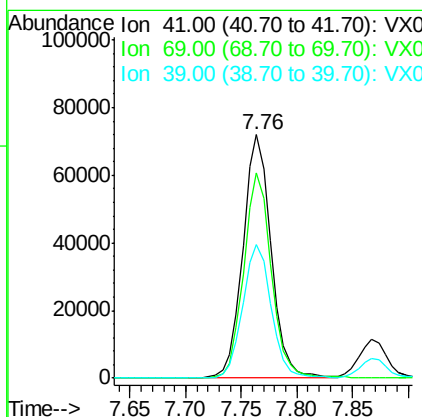
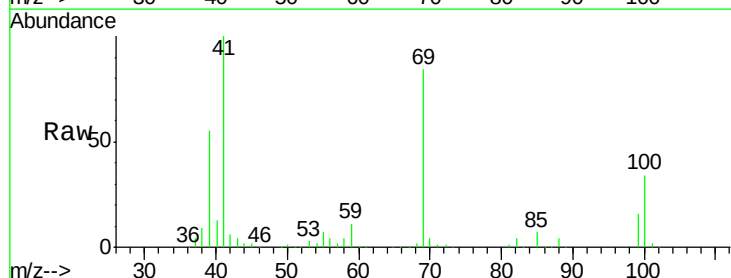
Manual Integrations
APPROVED

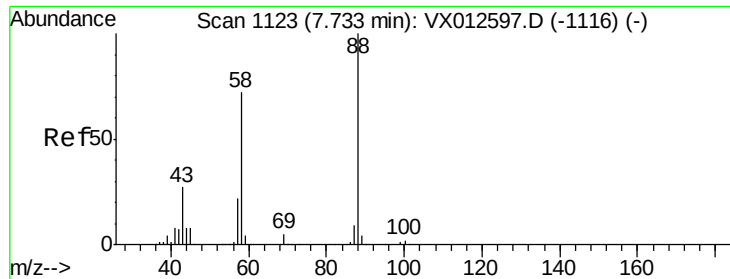
MMDadoda
10/2/2019 10:07:31 AM



#48
Methyl methacrylate
Concen: 46.531 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	41	Resp	127091
Ion Ratio	100	Lower	Upper
41	100		
69	82.7	59.9	89.9
39	55.5	47.8	71.6





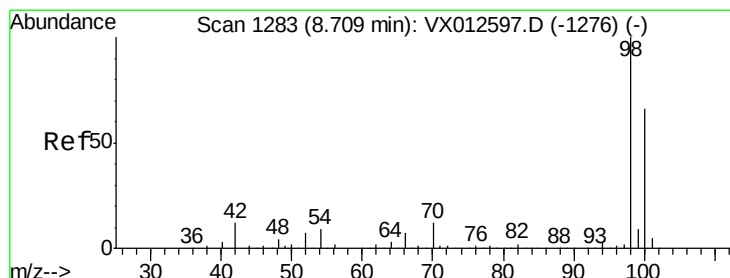
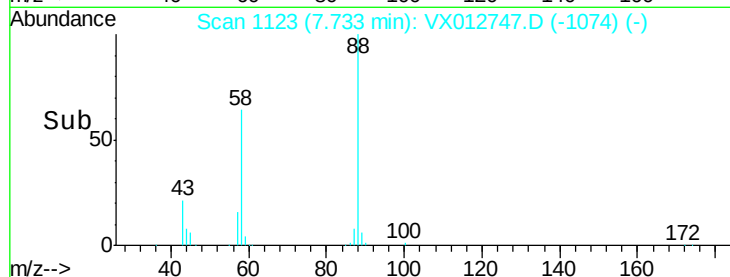
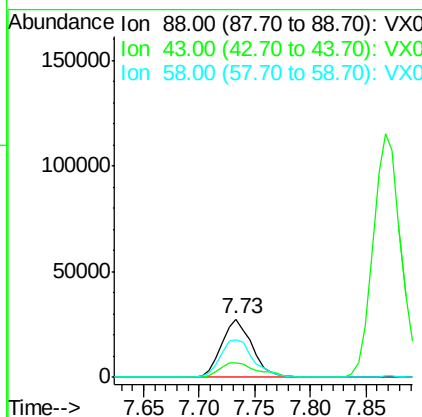
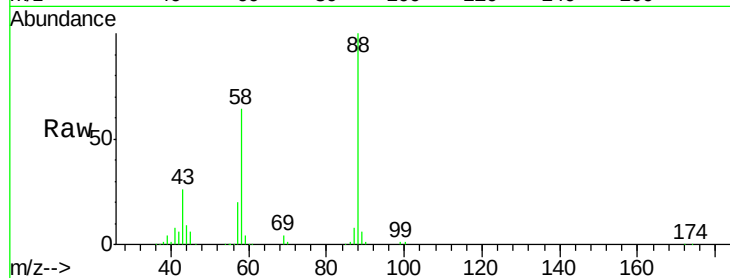
#49
1,4-Dioxane
Concen: 846.225 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.4	44.0
58	70.6	57.5	86.3

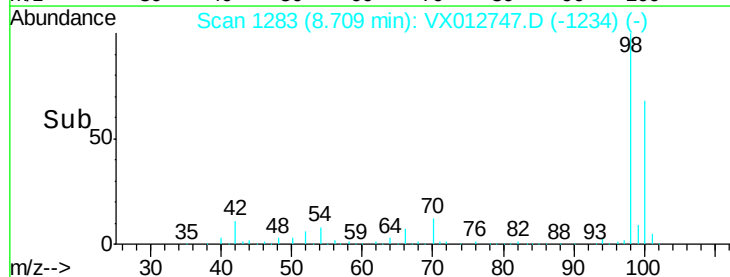
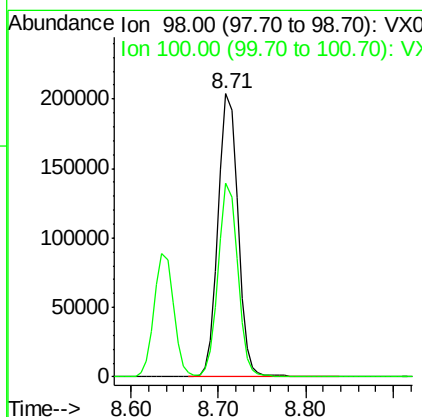
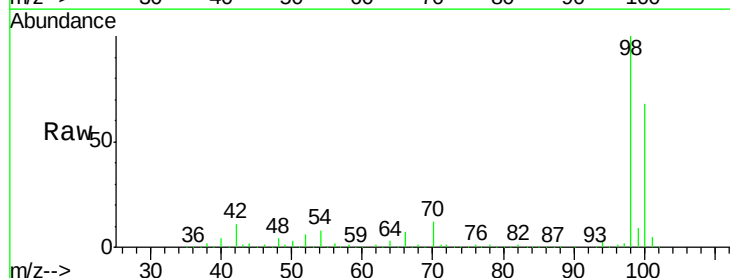
Manual Integrations
APPROVED

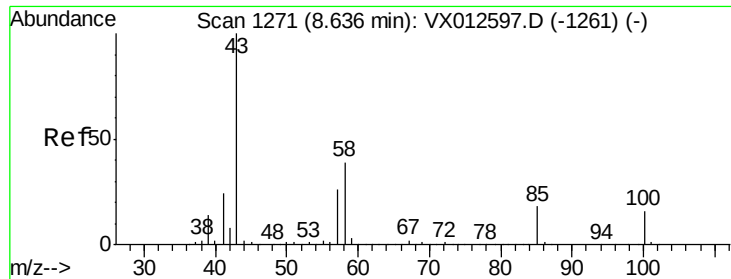
MMDadoda
10/2/2019 10:07:31 AM



#50
Toluene-d8
Concen: 46.479 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 234.793 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 43 Resp: 825583

Ion Ratio Lower Upper

43 100

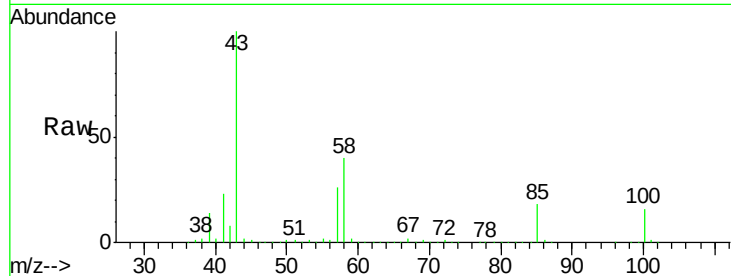
58 39.6 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

500000

400000

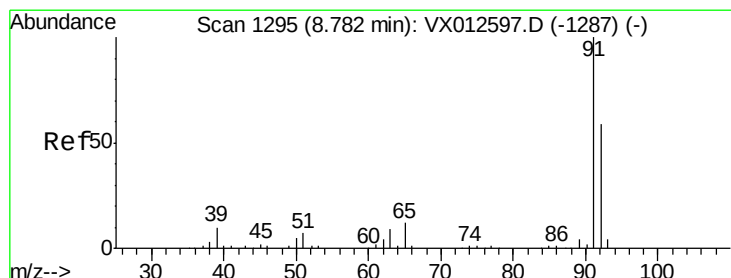
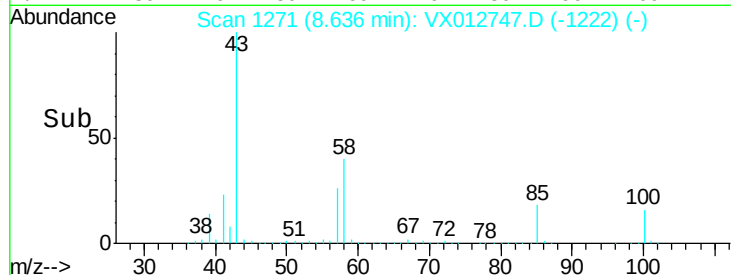
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 48.291 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012747.D

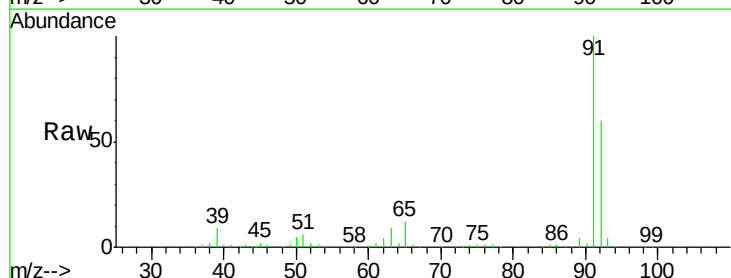
Acq: 01 Oct 2019 20:42

Tgt Ion: 92 Resp: 260186

Ion Ratio Lower Upper

92 100

91 166.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

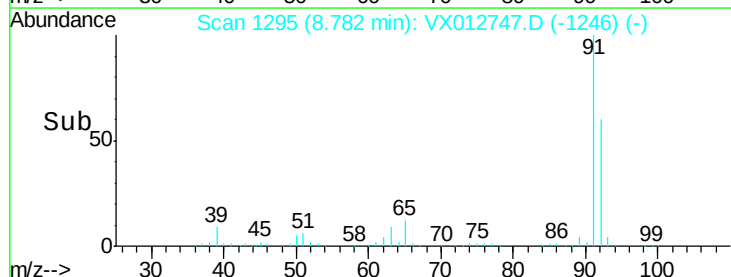
150000

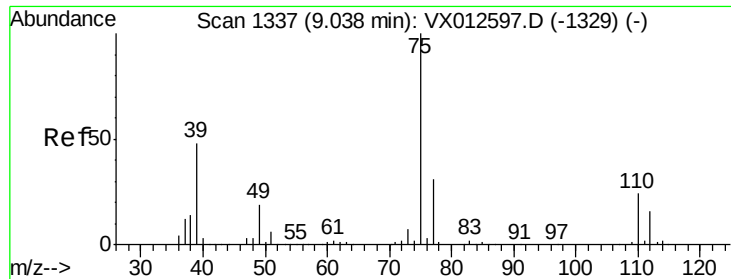
100000

50000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#53

t-1,3-Dichloropropene

Concen: 45.996 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 75 Resp: 151988

Ion Ratio Lower Upper

75 100

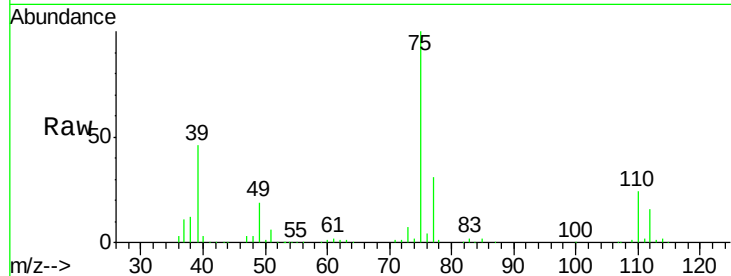
77 30.7 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

120000

100000

80000

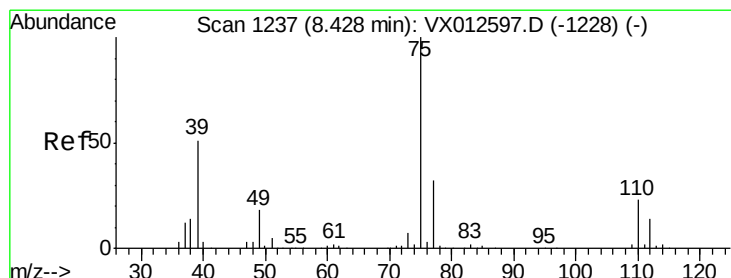
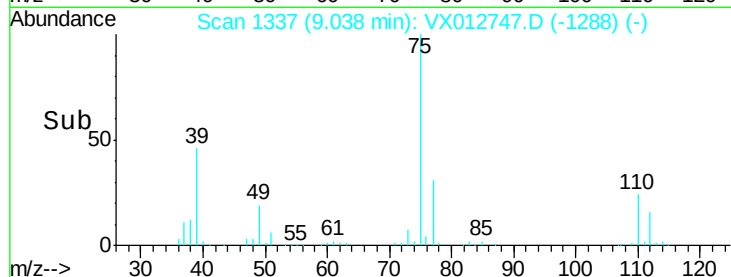
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 45.849 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

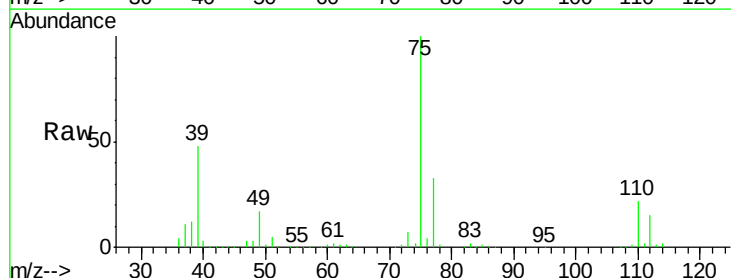
Tgt Ion: 75 Resp: 165416

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

39 48.0 45.5 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

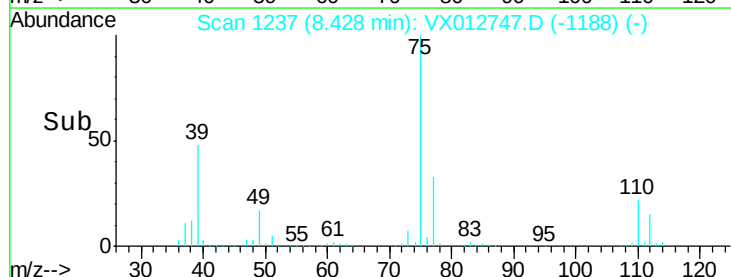
8.43

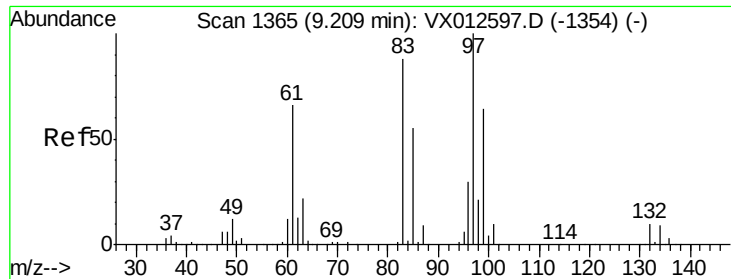
100000

50000

0

Time--> 8.35 8.40 8.45 8.50





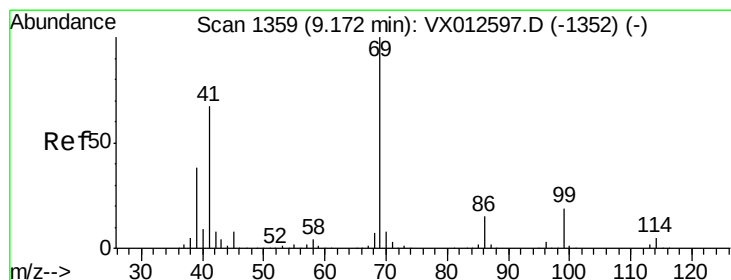
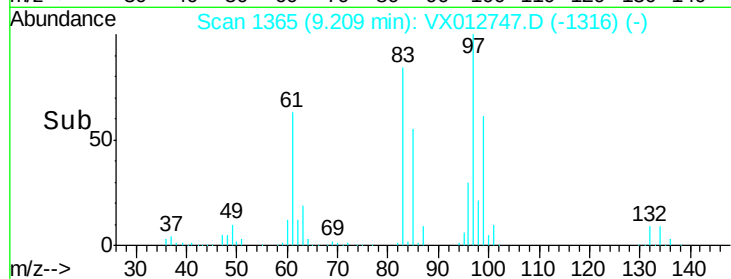
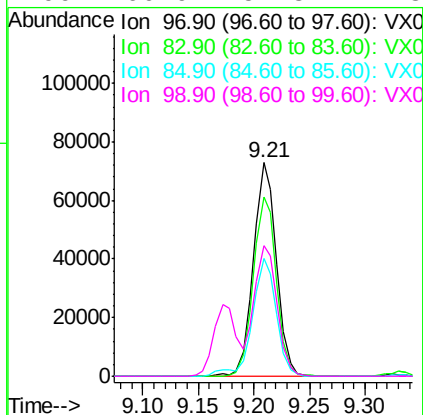
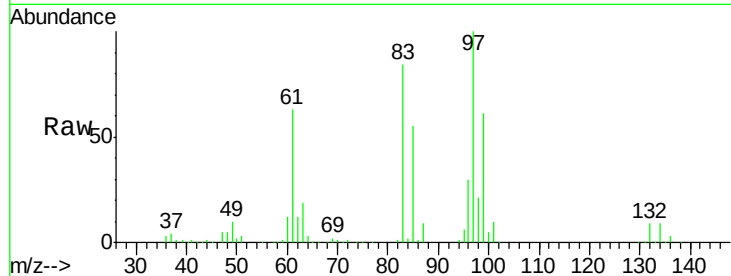
#55
 1,1,2-Trichloroethane
 Concen: 48.958 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion:	97	Resp:	104871
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.4	101.2
85	54.9	43.5	65.3
99	60.9	51.8	77.8

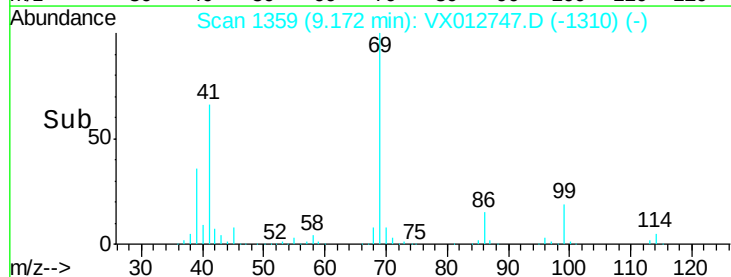
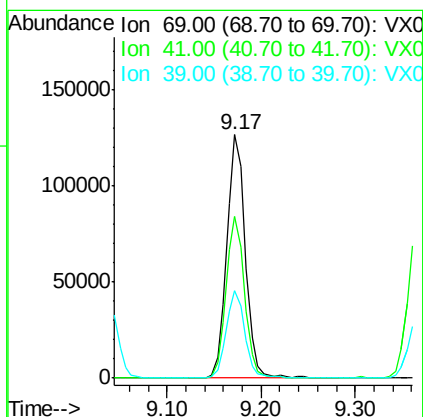
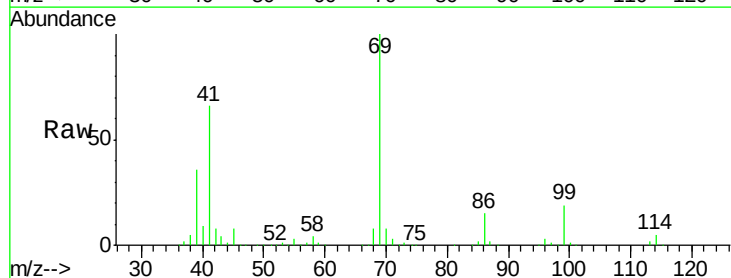
Manual Integrations
 APPROVED

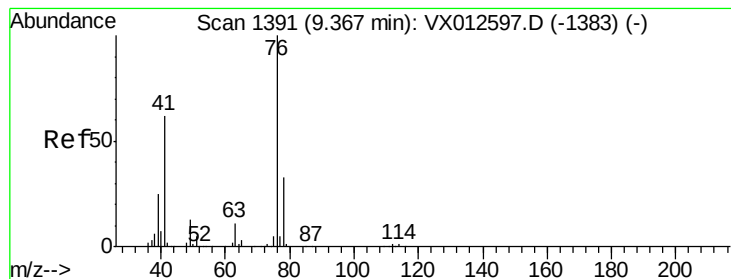
MMDadoda
 10/2/2019 10:07:31 AM



#56
 Ethyl methacrylate
 Concen: 47.994 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion:	69	Resp:	172715
Ion	Ratio	Lower	Upper
69	100		
41	67.1	58.4	87.6
39	36.0	33.4	50.0





#57

1,3-Dichloropropane

Concen: 48.282 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampled :

SA-SW201-20190926MSD

Tot Ion: 76 Resp: 181005

Ion Ratio Lower Upper

76 100

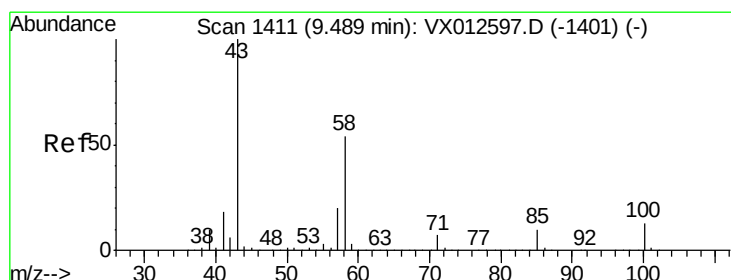
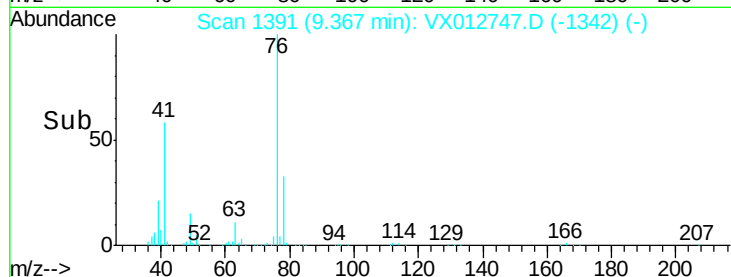
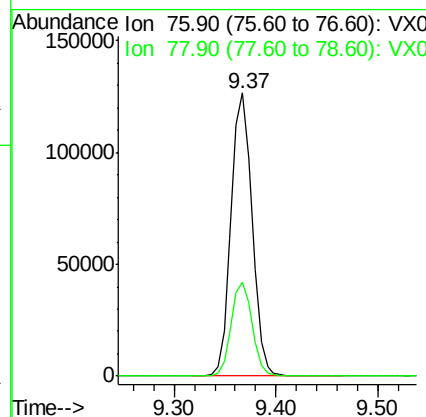
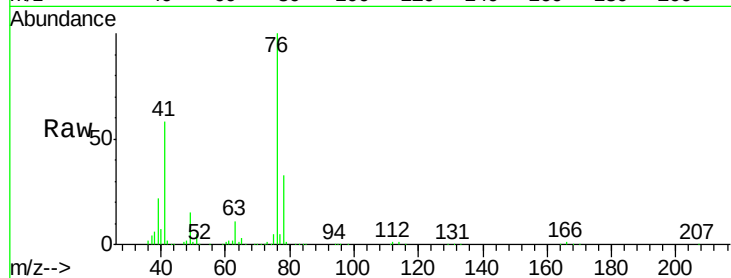
78 32.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



#59

2-Hexanone

Concen: 234.240 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX012747.D

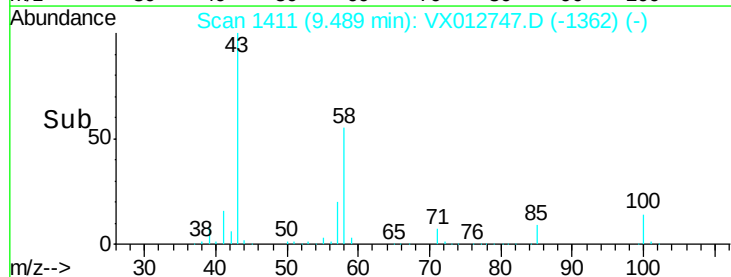
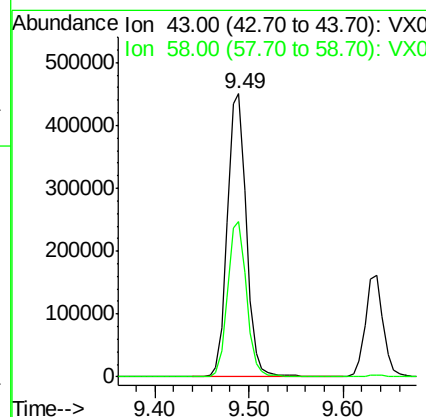
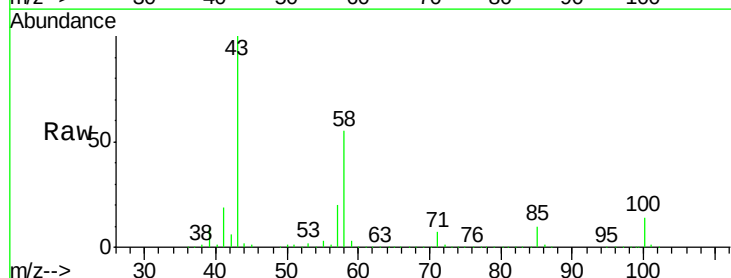
Acq: 01 Oct 2019 20:42

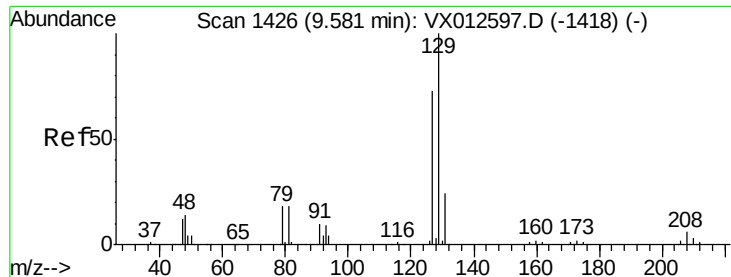
Tgt Ion: 43 Resp: 630446

Ion Ratio Lower Upper

43 100

58 54.7 25.7 77.1





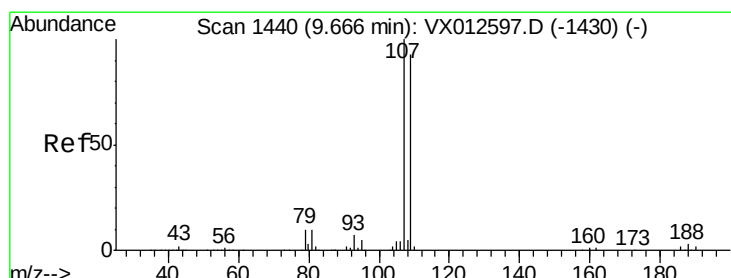
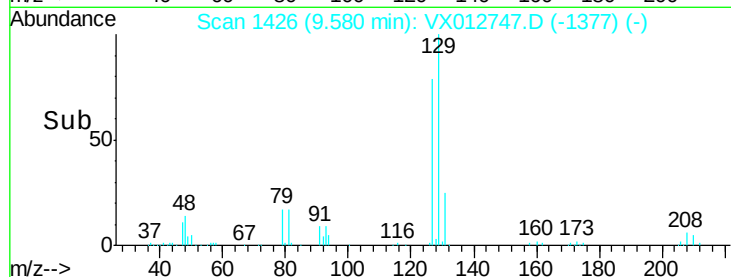
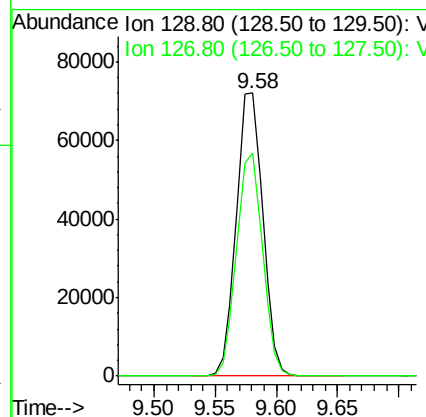
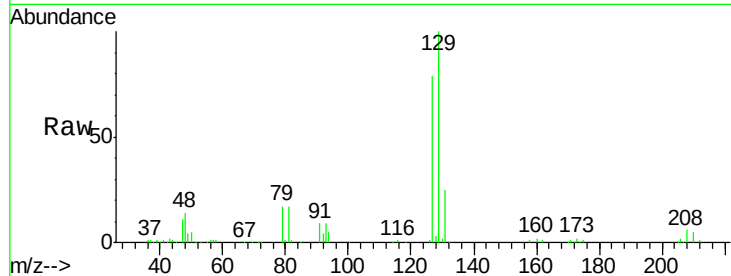
#60
Dibromochloromethane
Concen: 49.917 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.9	116.6

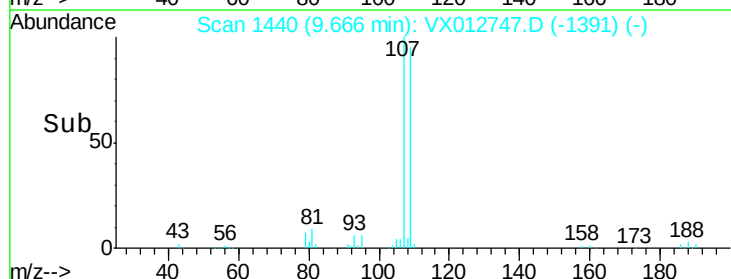
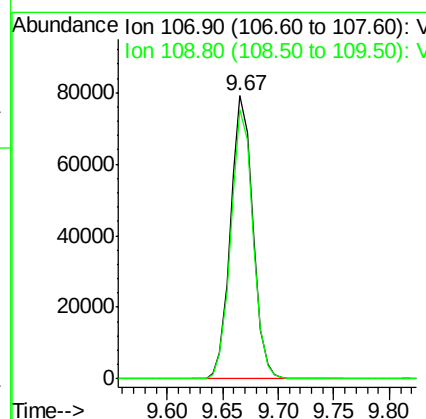
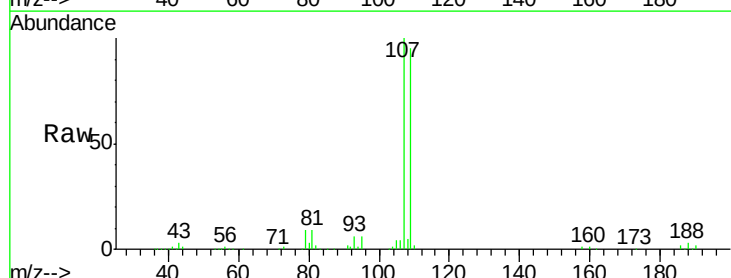
Manual Integrations
APPROVED

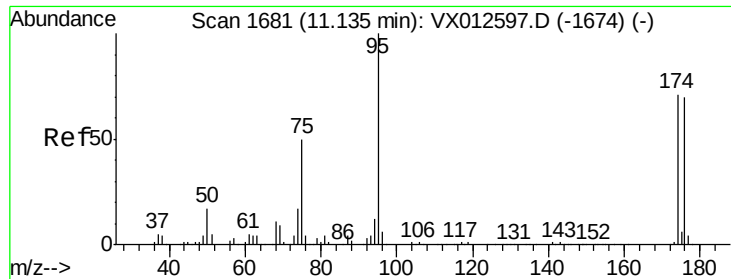
MMDadoda
10/2/2019 10:07:31 AM



#61
1,2-Dibromoethane
Concen: 49.191 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.7	112.1





#62

4-Bromofluorobenzene

Concen: 45.007 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

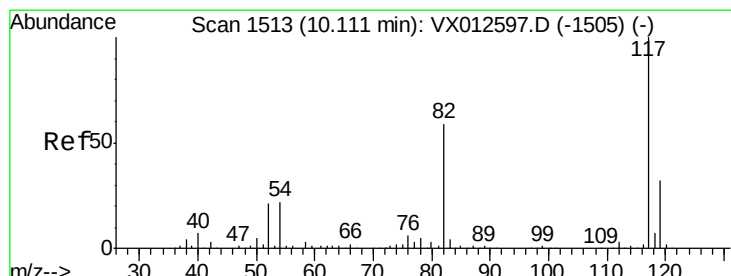
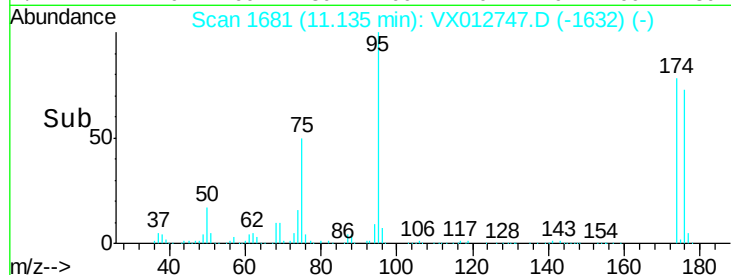
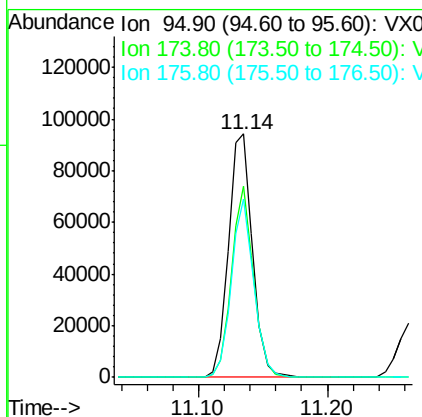
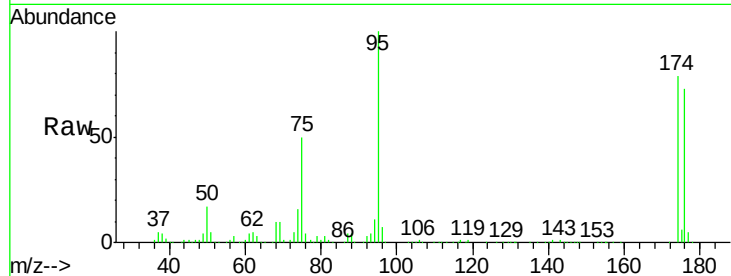
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	95	Resp:	122684
Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	140.0
176	68.6	0.0	135.4

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

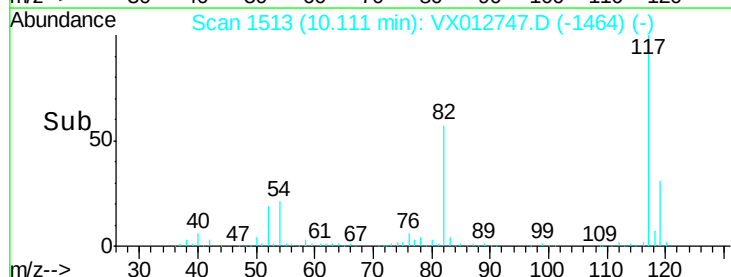
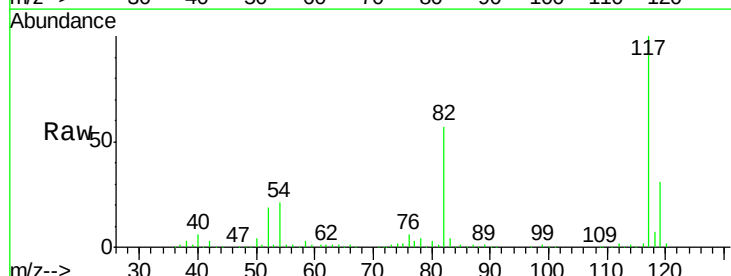
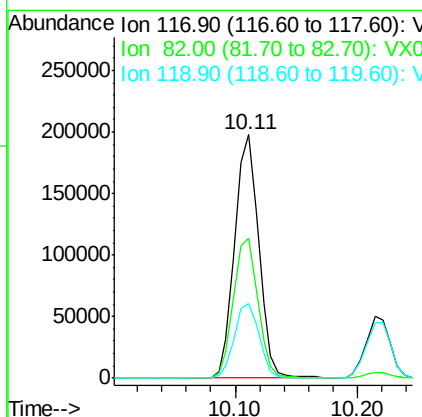
RT: 10.11 min Scan# 1513

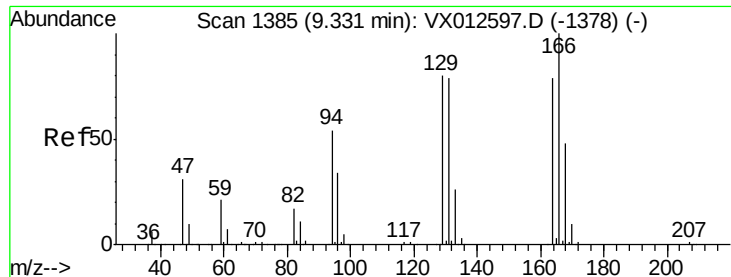
Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	117	Resp:	268919
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	30.9	25.3	37.9





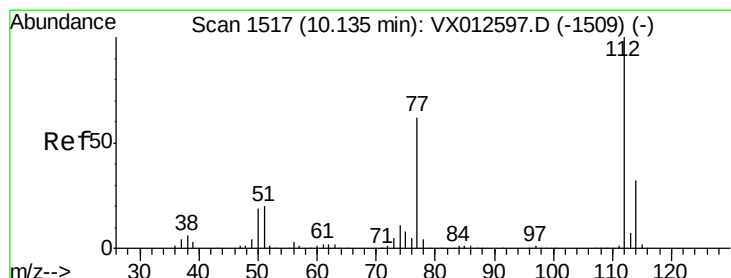
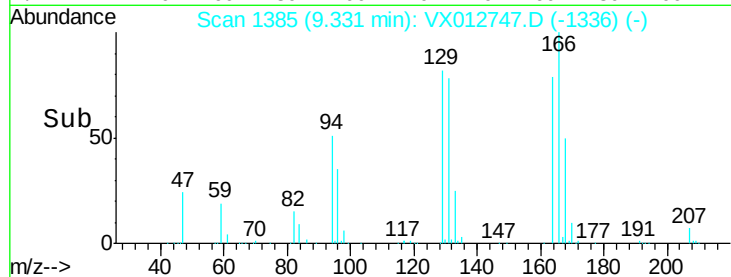
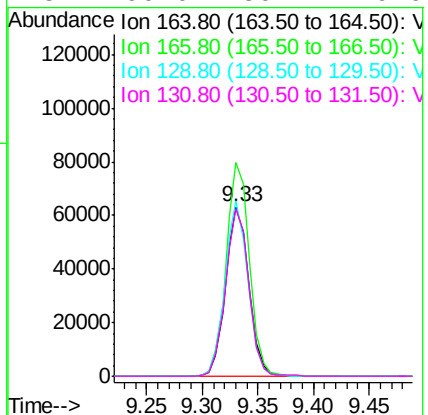
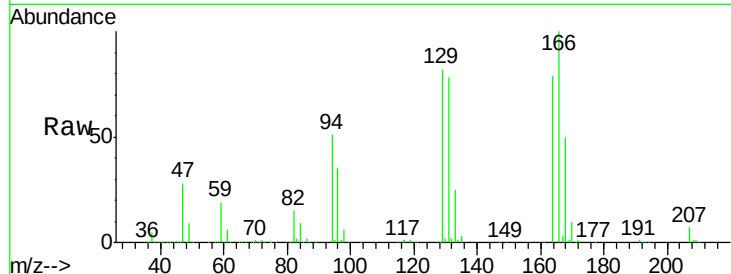
#64
Tetrachloroethene
Concen: 48.393 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	107.8	161.6
129	103.4	86.2	129.2
131	99.0	80.4	120.6

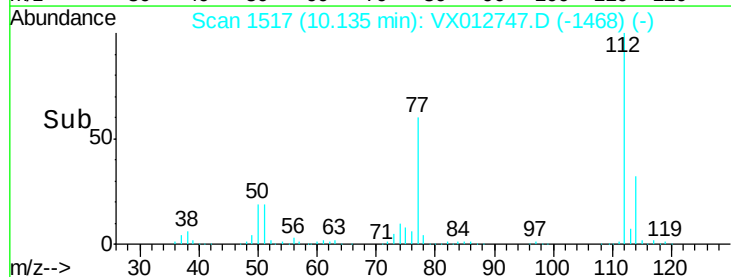
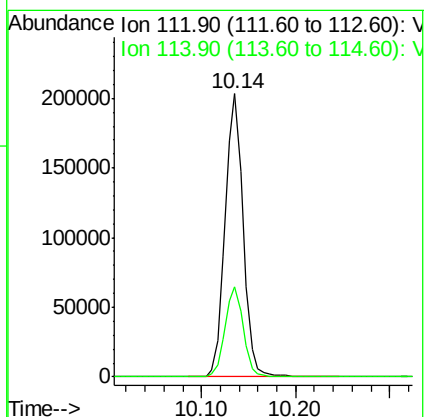
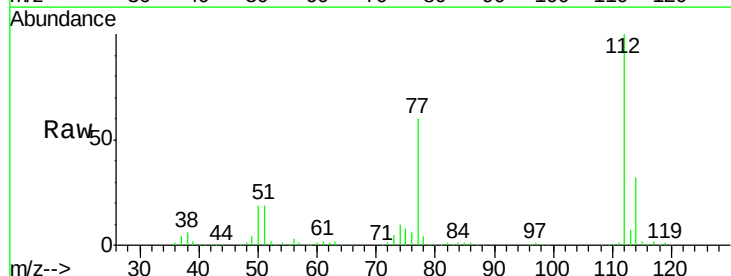
Manual Integrations
APPROVED

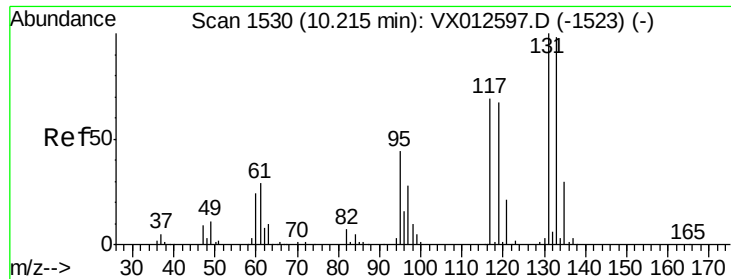
MMDadoda
10/2/2019 10:07:31 AM



#65
Chlorobenzene
Concen: 47.739 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.0





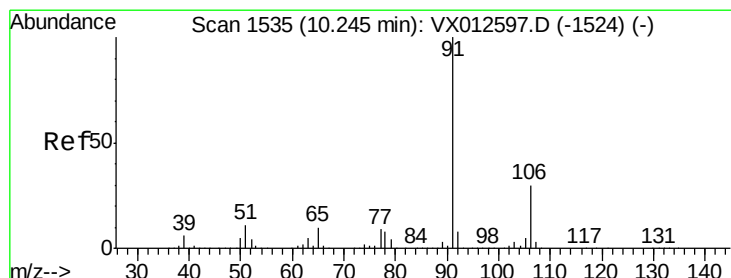
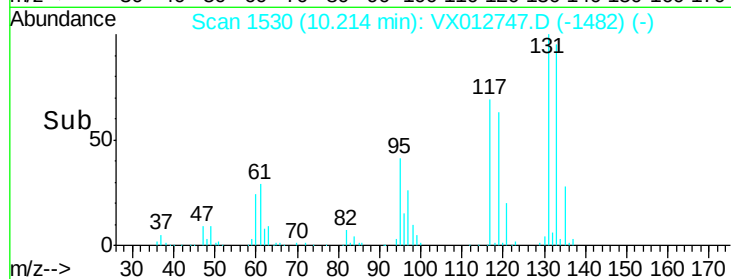
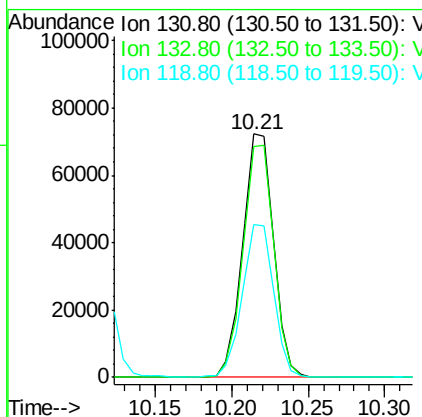
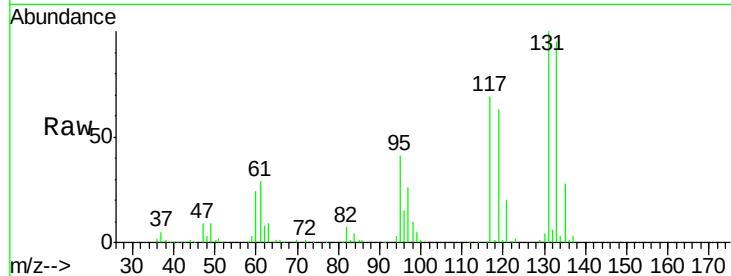
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.459 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	95.1	47.6	142.9	
119	63.8	31.3	93.8	

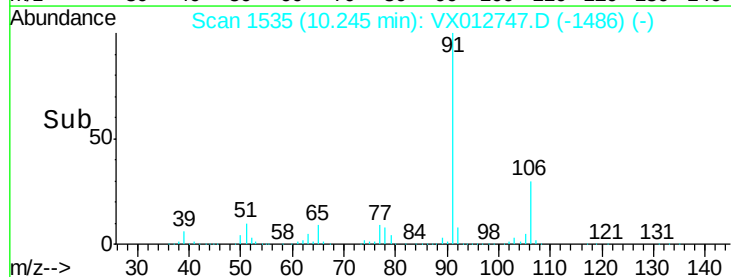
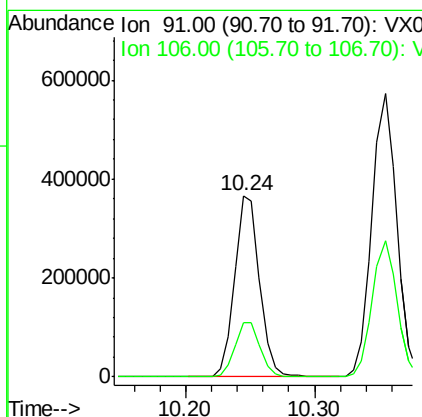
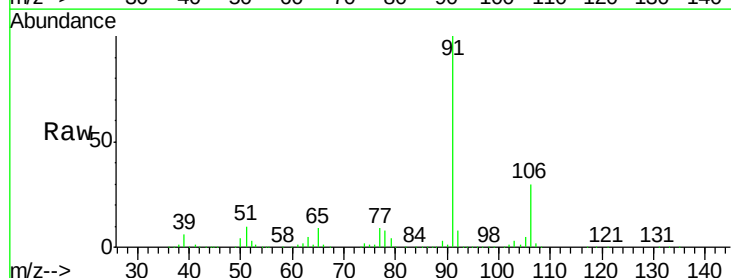
Manual Integrations
 APPROVED

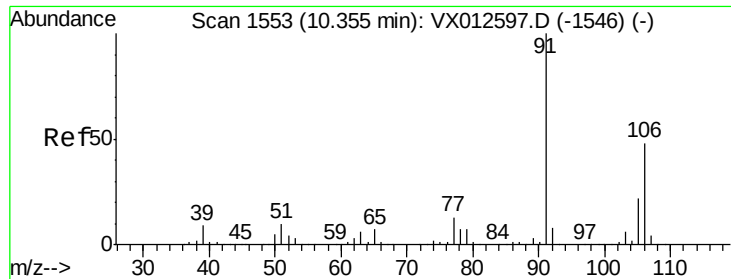
MMDadoda
 10/2/2019 10:07:31 AM



#67
 Ethyl Benzene
 Concen: 48.029 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	30.1	24.6	37.0	





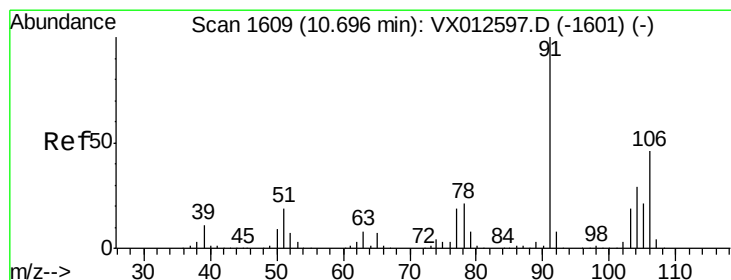
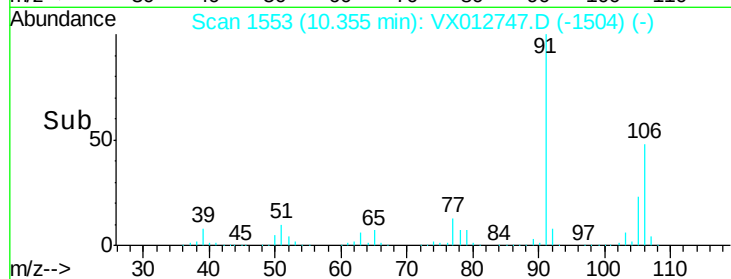
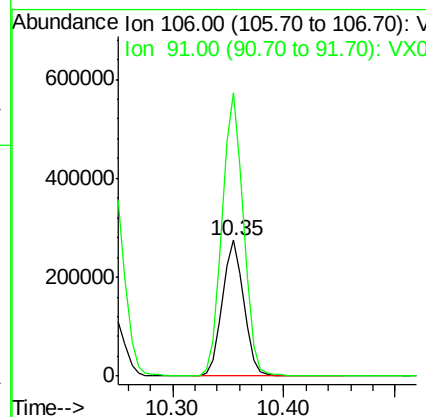
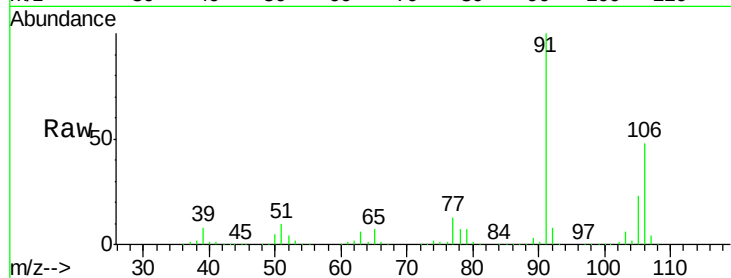
#68
m/p-Xylenes
Concen: 95.387 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion:106 Resp: 367004
Ion Ratio Lower Upper
106 100
91 207.3 166.6 250.0

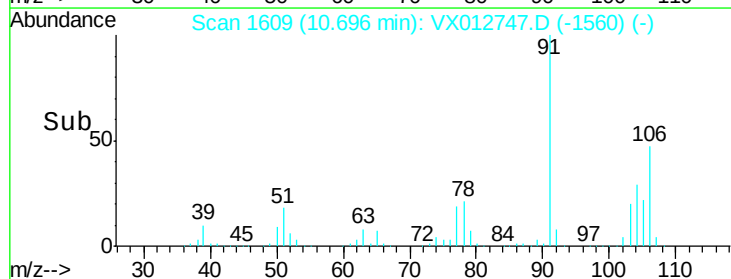
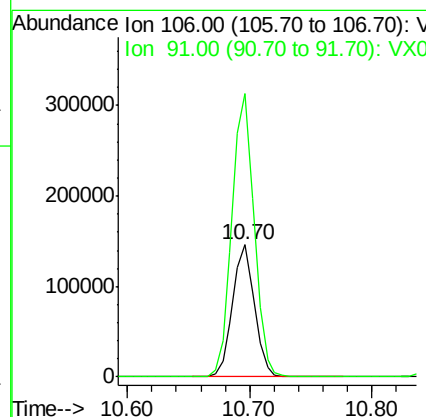
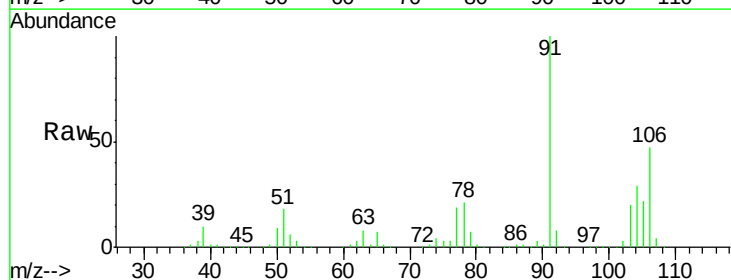
Manual Integrations
APPROVED

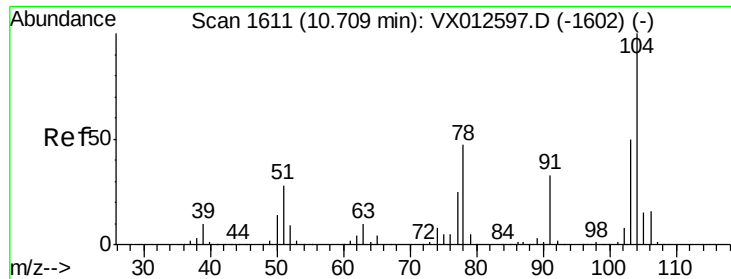
MMDadoda
10/2/2019 10:07:31 AM



#69
o-Xylene
Concen: 48.555 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion:106 Resp: 180766
Ion Ratio Lower Upper
106 100
91 217.0 109.4 328.2





#70

Stvrene

Concen: 49.078 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

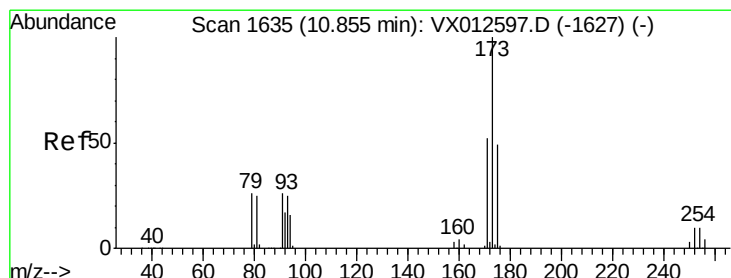
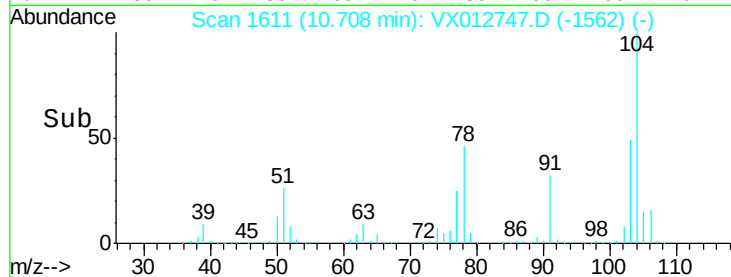
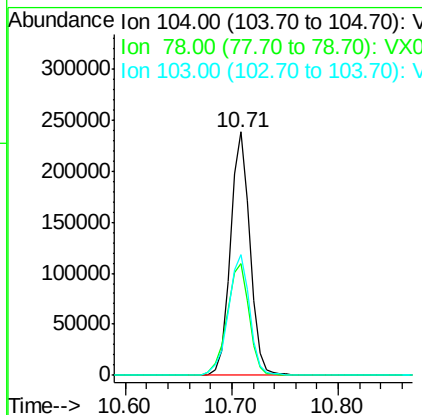
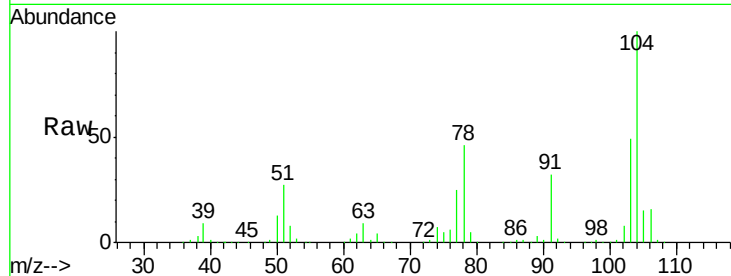
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion:	104	Resp:	306305
Ion Ratio	Lower	Upper	
104	100		
78	51.9	43.4	65.2
103	54.2	43.3	64.9

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#71

Bromoform

Concen: 50.922 ug/l

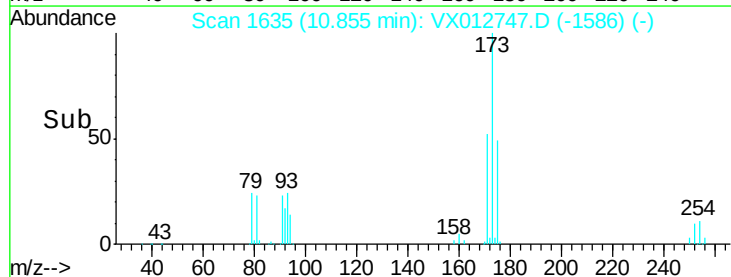
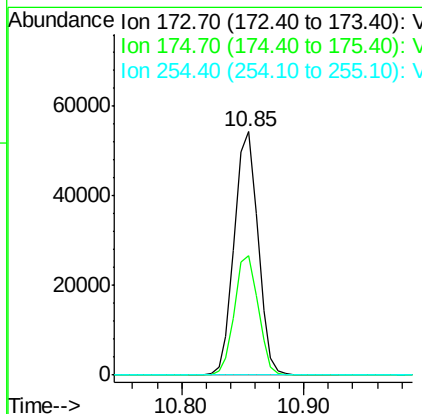
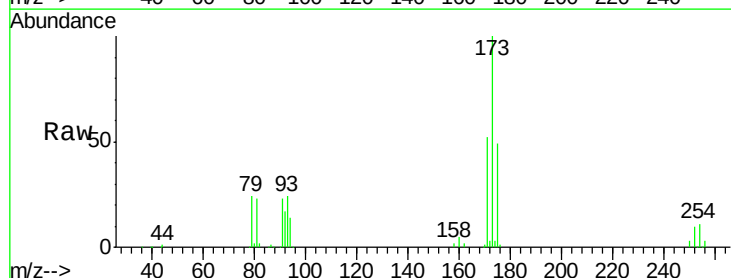
RT: 10.85 min Scan# 1635

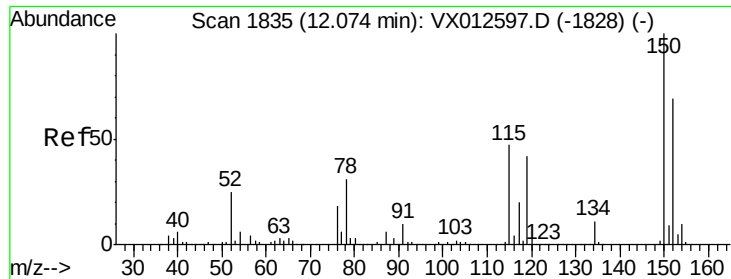
Delta R.T. 0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion:	173	Resp:	72751
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.7	71.1
254	0.1	0.1	0.1





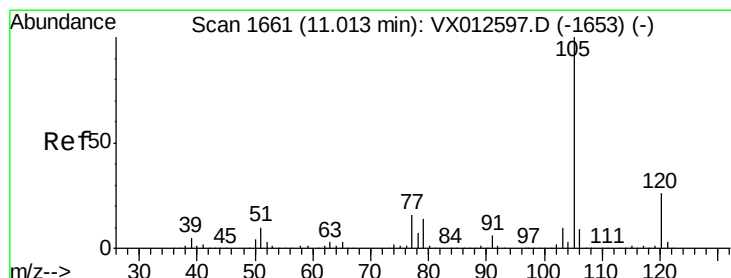
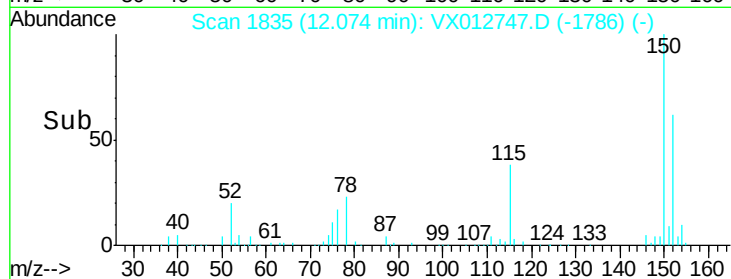
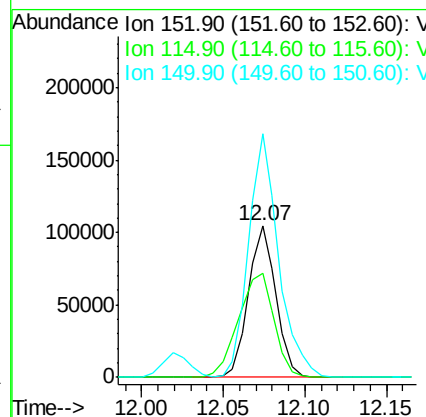
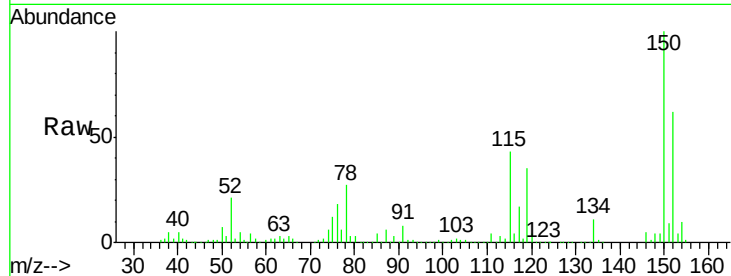
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122986		
115	88.7	44.1	132.3	
150	175.6	0.0	343.8	

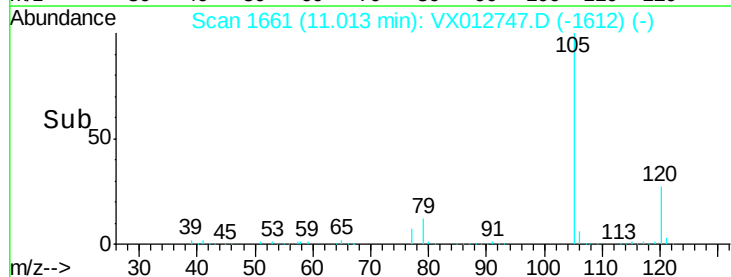
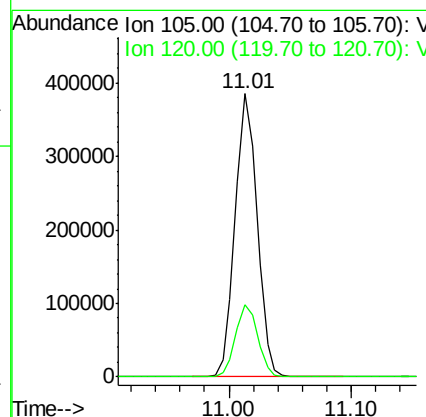
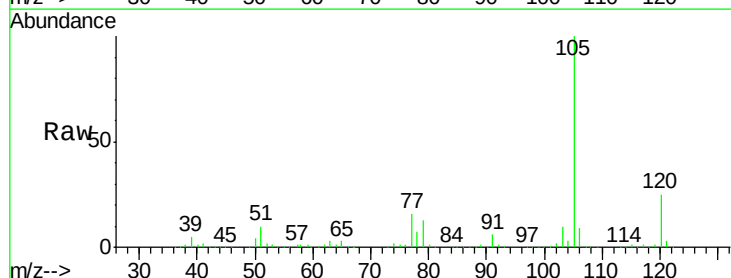
Manual Integrations
 APPROVED

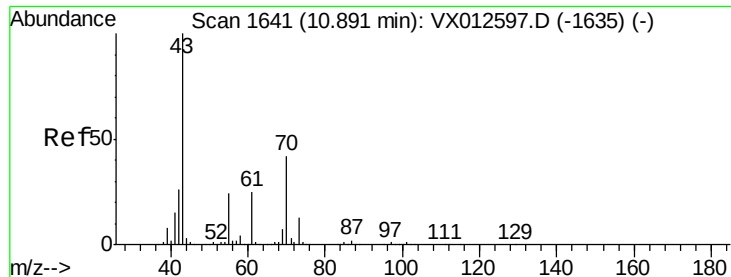
MMDadoda
 10/2/2019 10:07:31 AM



#73
 Isopropylbenzene
 Concen: 47.809 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	478893		
120	25.8	12.9	38.7	





#74

N-amvl acetate

Concen: 43.394 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

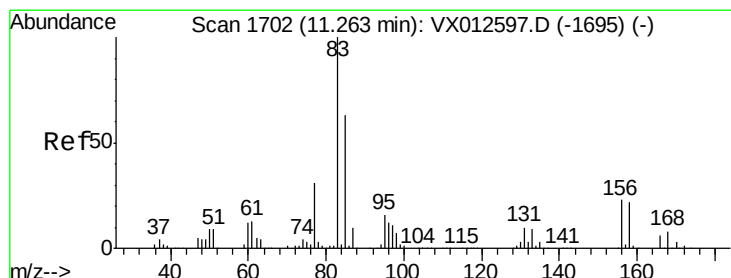
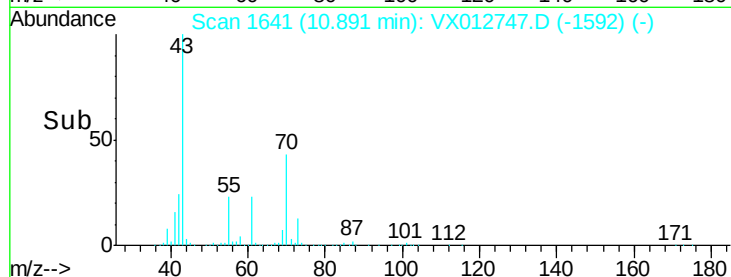
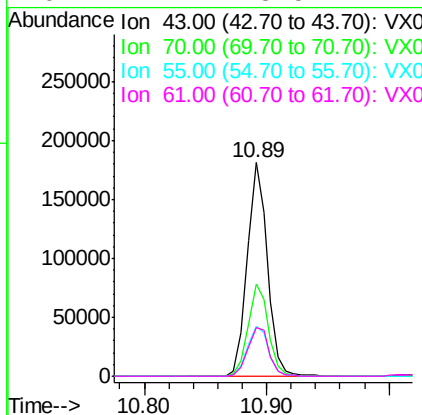
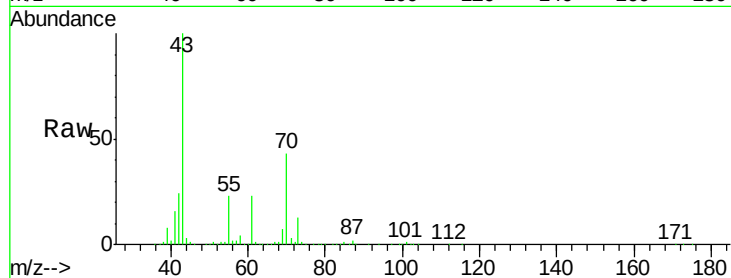
ClientSampleId :

SA-SW201-20190926MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		207367		
70	44.0	32.4	48.6		
55	24.6	18.2	27.4		
61	24.4	18.5	27.7		

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.937 ug/l

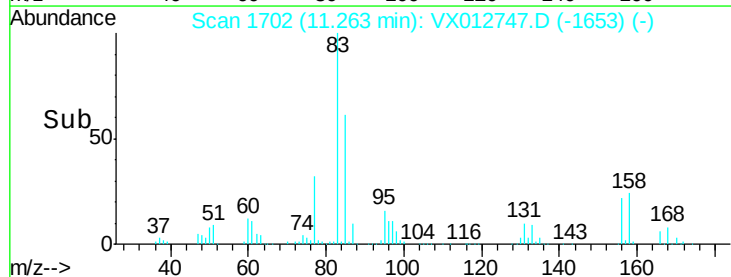
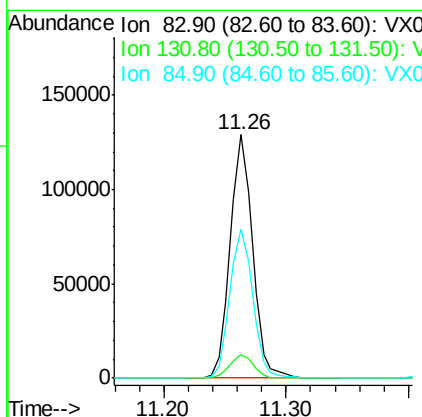
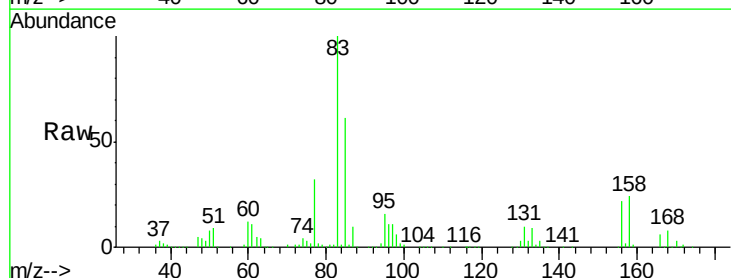
RT: 11.26 min Scan# 1702

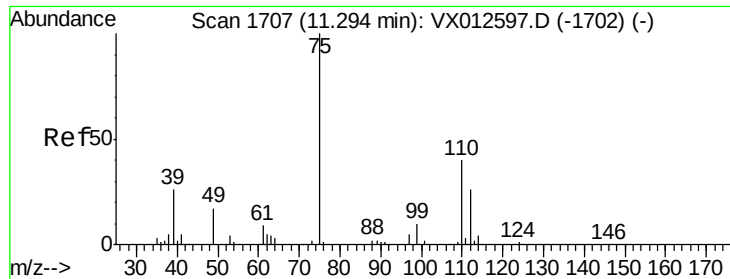
Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		162345		
131	10.1	5.2	15.6		
85	63.5	32.0	96.0		





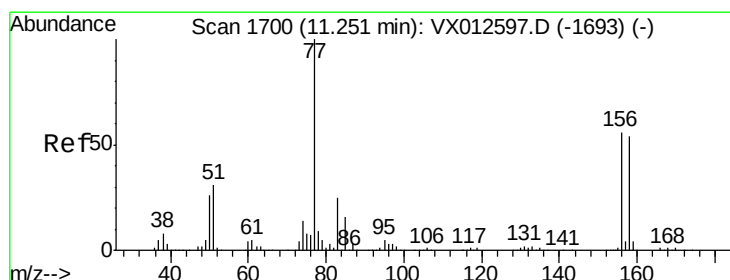
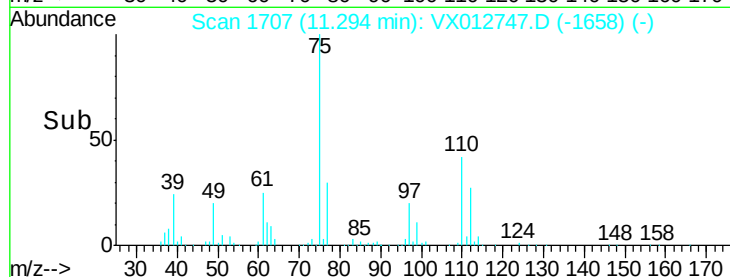
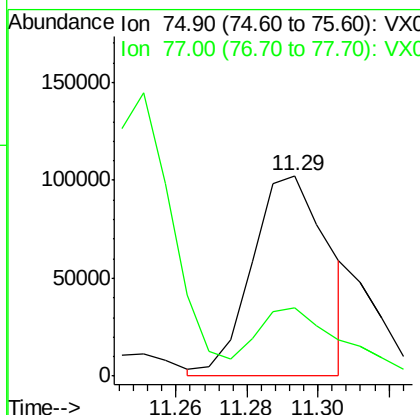
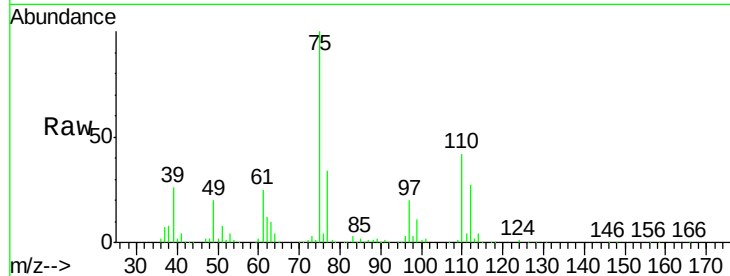
#76
 1,2,3-Trichloropropane
 Concen: 47.150 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion: 75 Resp: 153393
 Ion Ratio Lower Upper
 75 100
 77 38.1 19.7 59.0

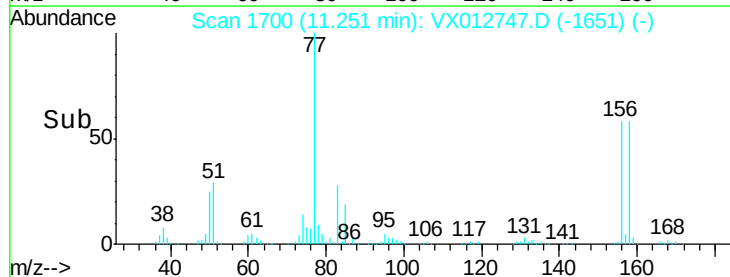
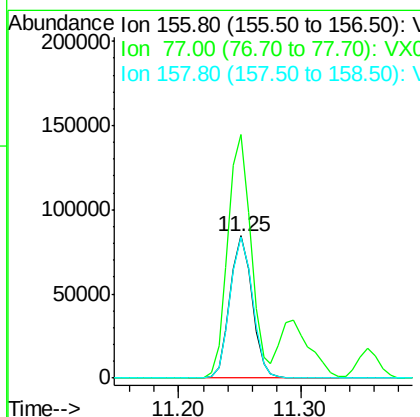
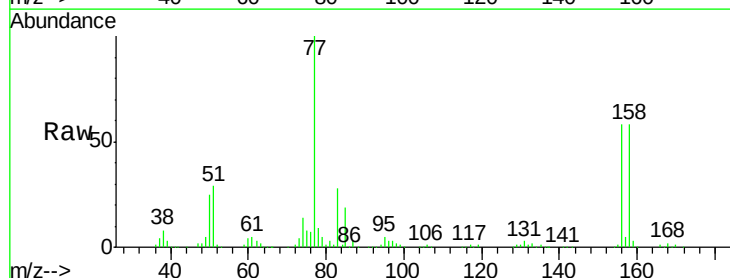
Manual Integrations
 APPROVED

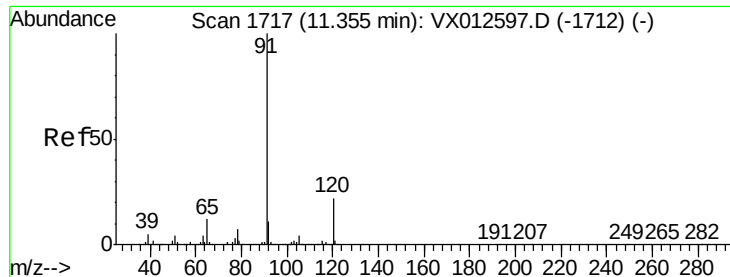
MMDadoda
 10/2/2019 10:07:31 AM



#77
 Bromobenzene
 Concen: 47.138 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion: 156 Resp: 106865
 Ion Ratio Lower Upper
 156 100
 77 178.1 87.3 261.8
 158 100.2 48.5 145.6





#78

n-propylbenzene

Concen: 46.766 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 91 Resp: 527392

Ion Ratio Lower Upper

91 100

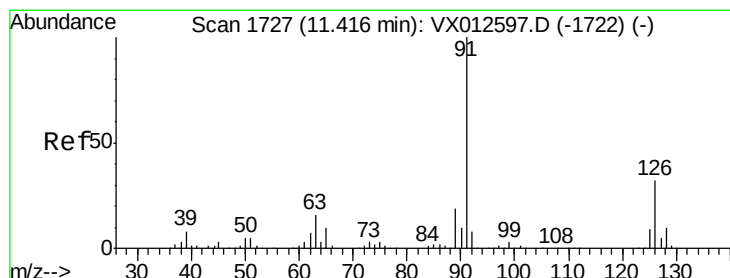
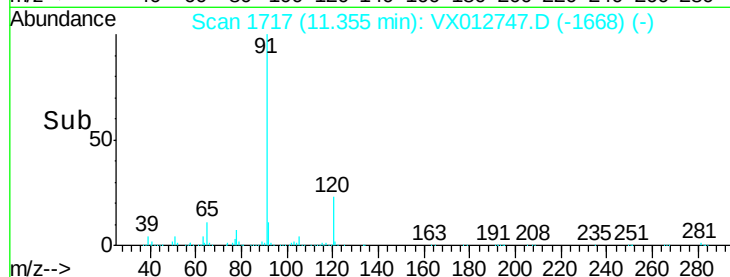
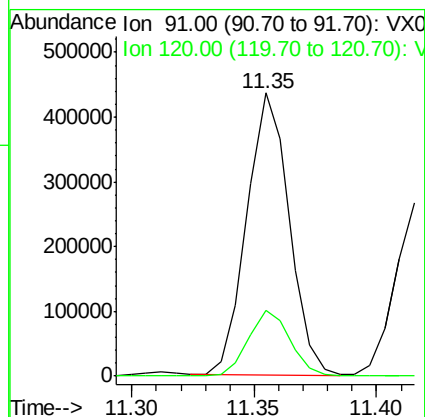
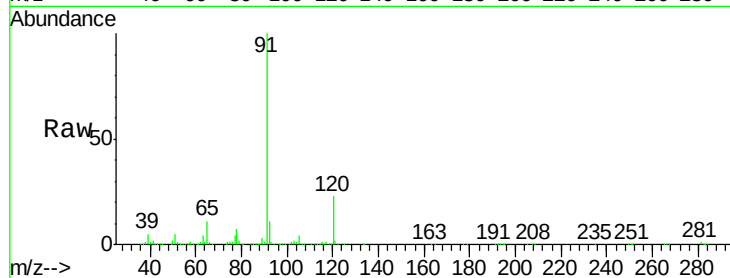
120 22.9 11.3 33.8

Manual Integrations

APPROVED

MMDadoda

10/2/2019 10:07:31 AM



#79

2-Chlorotoluene

Concen: 46.247 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012747.D

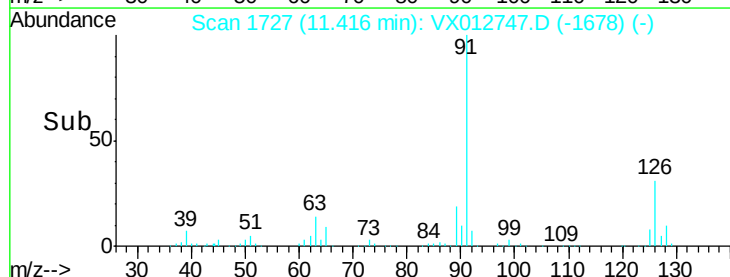
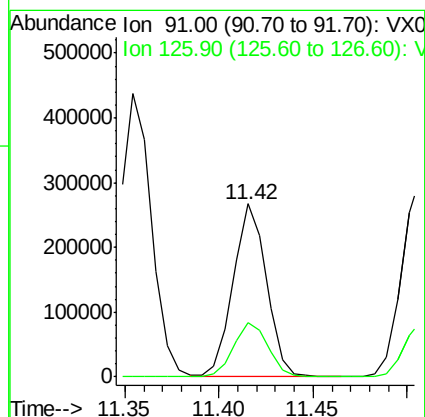
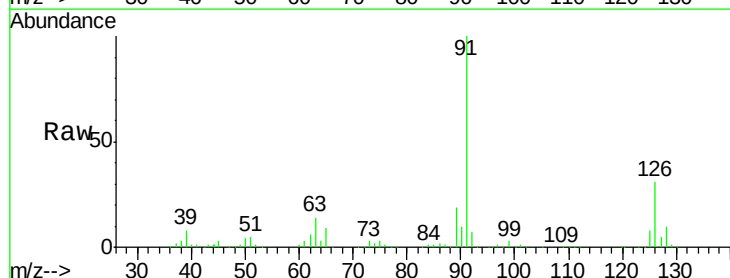
Acq: 01 Oct 2019 20:42

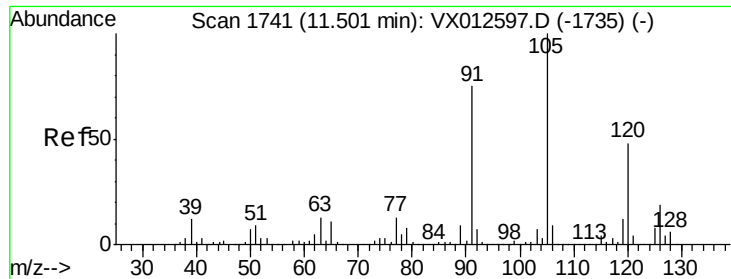
Tgt Ion: 91 Resp: 325343

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.4





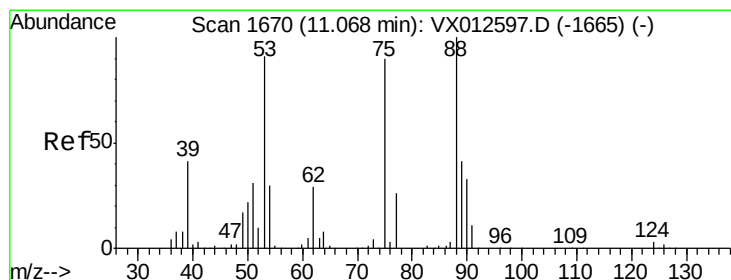
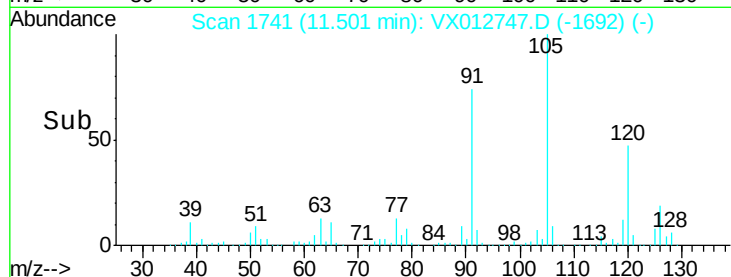
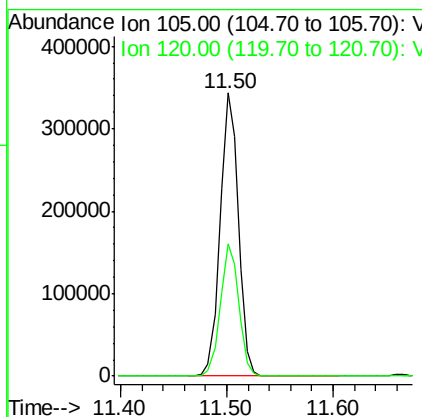
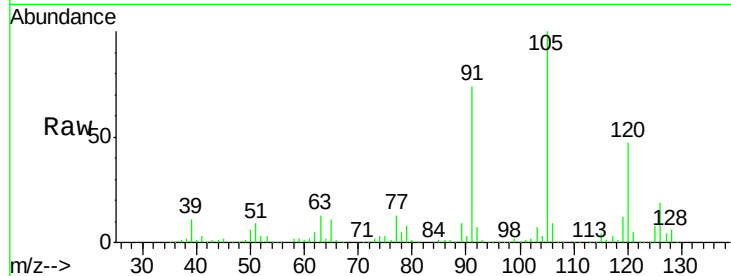
#80
 1,3,5-Trimethylbenzene
 Concen: 48.843 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion:105 Resp: 410279
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.3 72.8

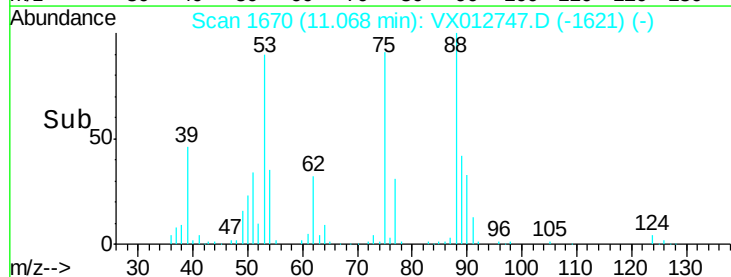
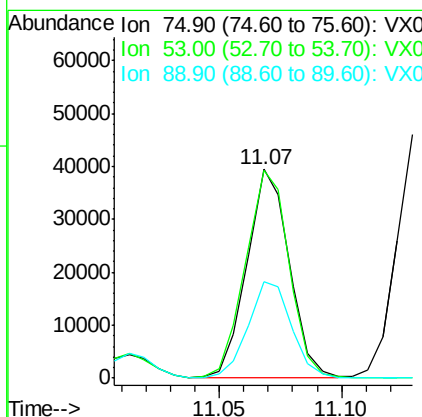
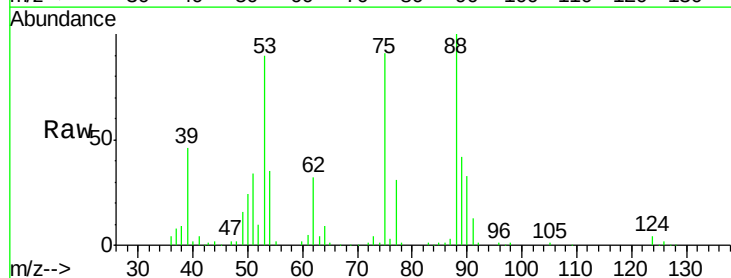
Manual Integrations
 APPROVED

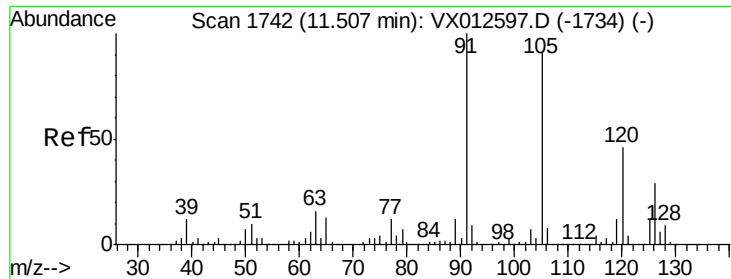
MMDadoda
 10/2/2019 10:07:31 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.891 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion: 75 Resp: 47556
 Ion Ratio Lower Upper
 75 100
 53 102.9 83.6 125.4
 89 47.9 36.3 54.5





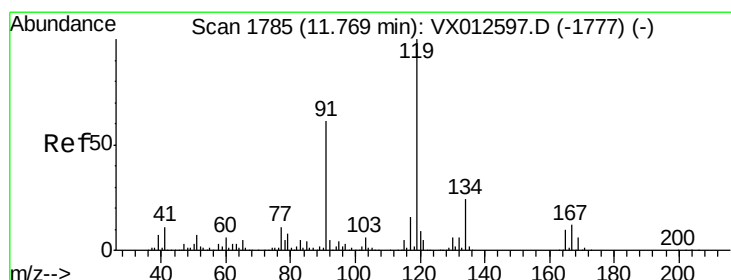
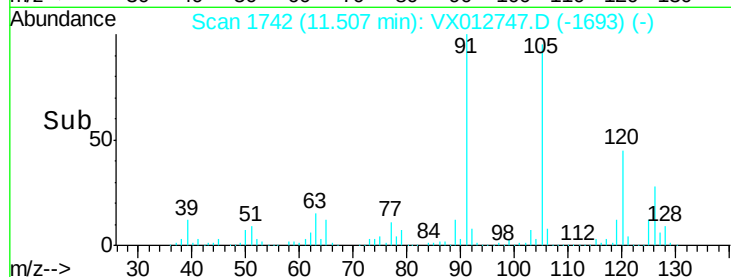
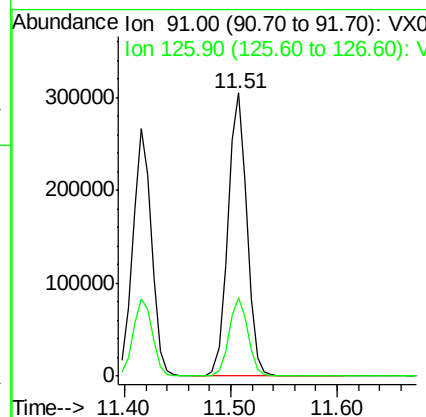
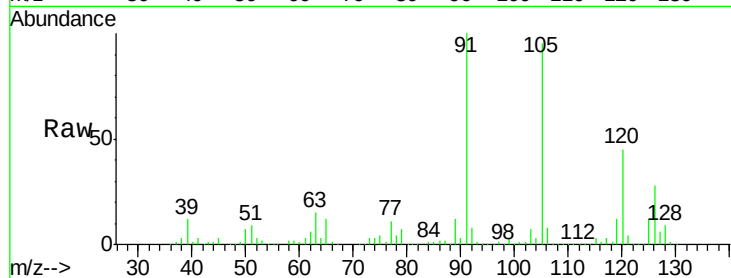
#82
4-Chlorotoluene
Concen: 47.242 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion: 91 Resp: 378858
Ion Ratio Lower Upper
91 100
126 27.7 14.4 43.0

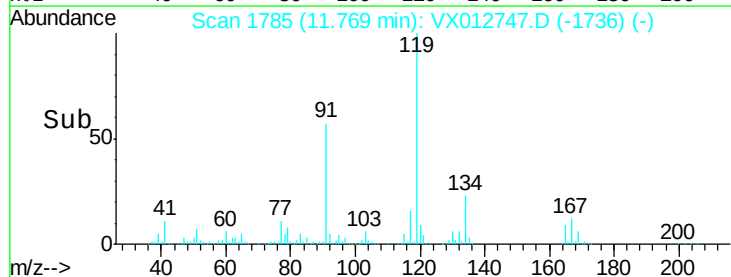
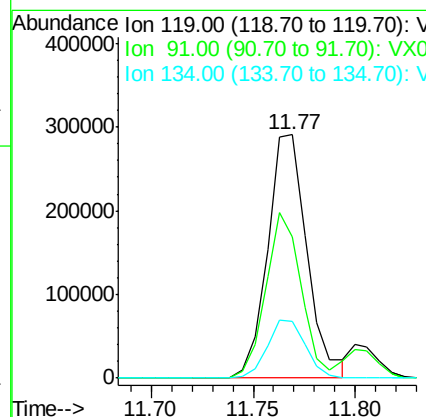
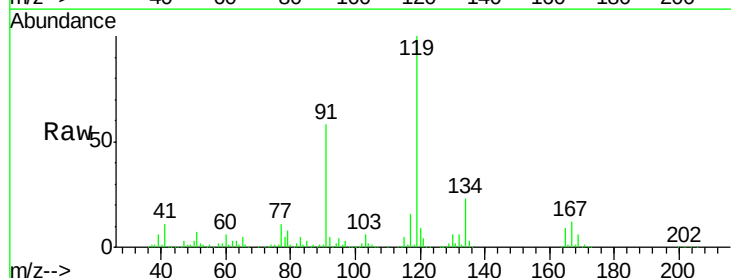
Manual Integrations
APPROVED

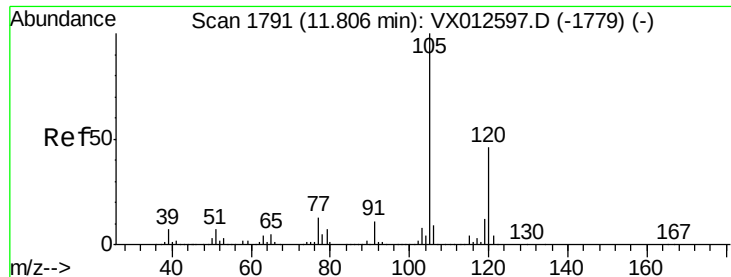
MMDadoda
10/2/2019 10:07:31 AM



#83
tert-Butylbenzene
Concen: 48.465 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion: 119 Resp: 392701
Ion Ratio Lower Upper
119 100
91 61.0 30.0 90.0
134 23.1 11.3 33.9





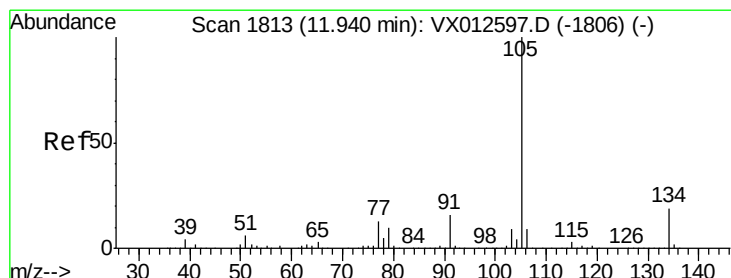
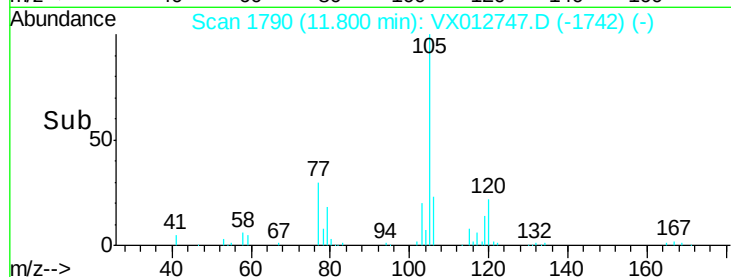
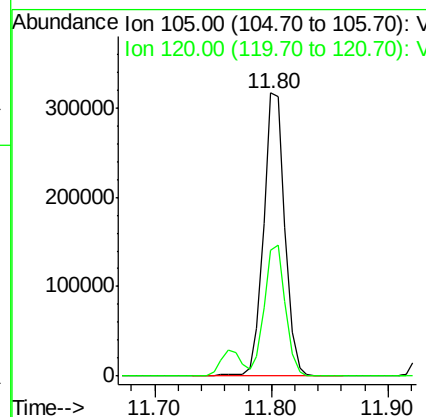
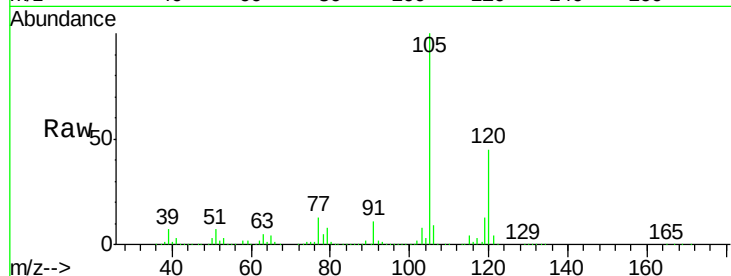
#84
1,2,4-Trimethylbenzene
Concen: 47.391 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.2	66.6

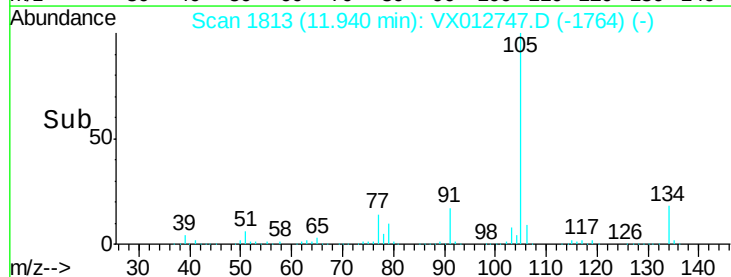
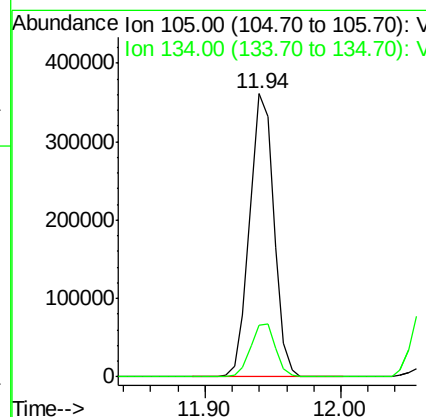
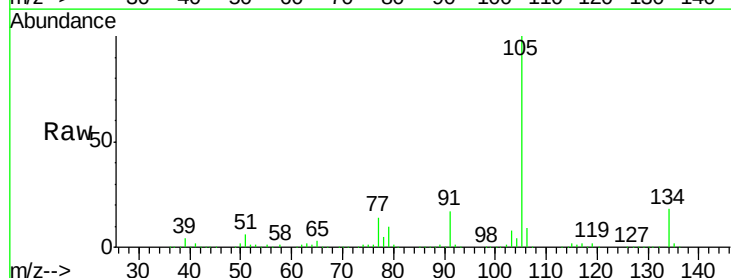
Manual Integrations
APPROVED

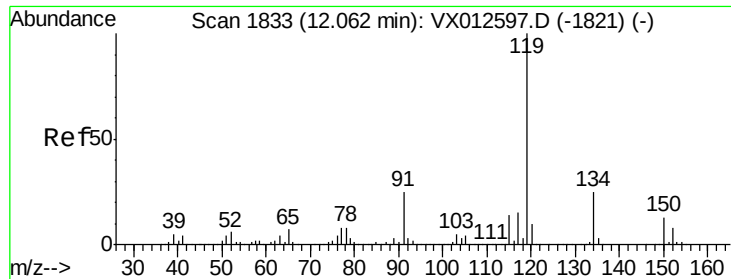
MMDadoda
10/2/2019 10:07:31 AM



#85
sec-Butylbenzene
Concen: 48.063 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4





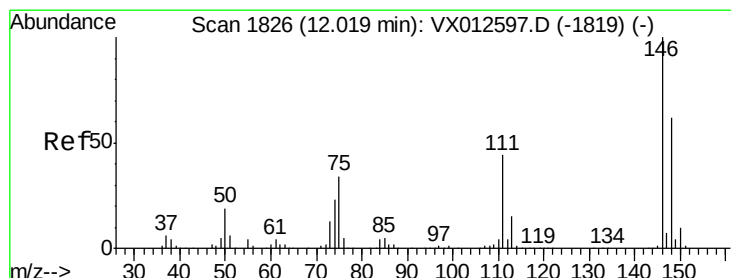
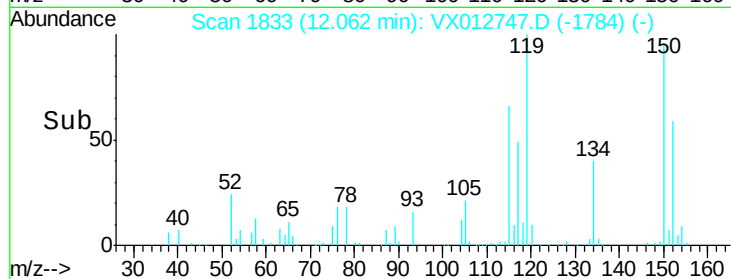
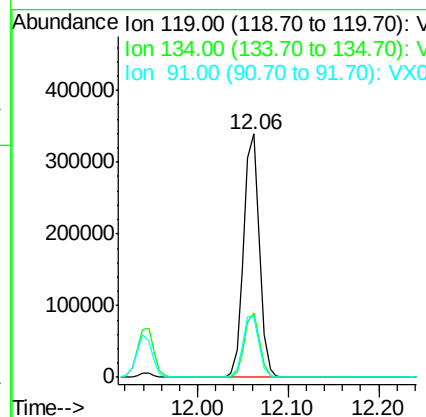
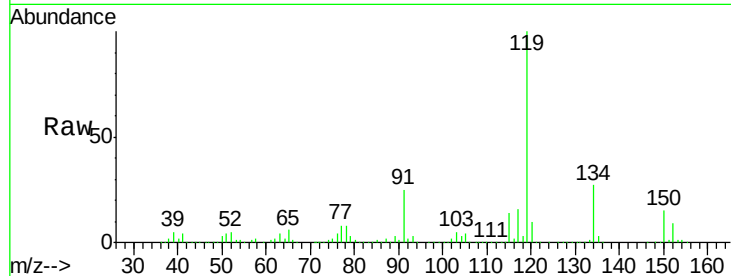
#86
 p-Isopropyltoluene
 Concen: 47.963 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	25.9	12.8	38.4

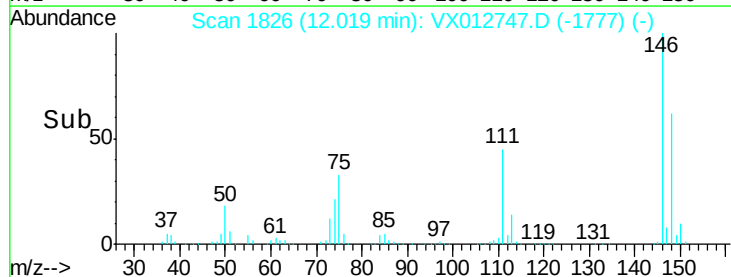
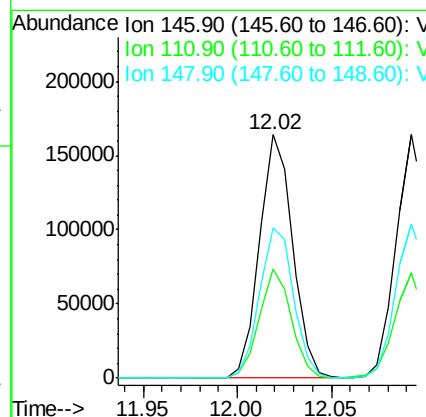
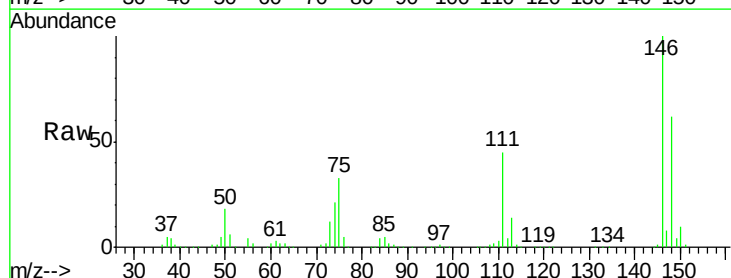
Manual Integrations
 APPROVED

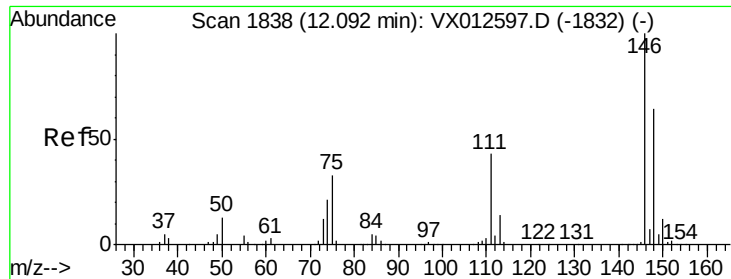
MMDadoda
 10/2/2019 10:07:31 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.101 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	64.0
148	63.5	32.4	97.2





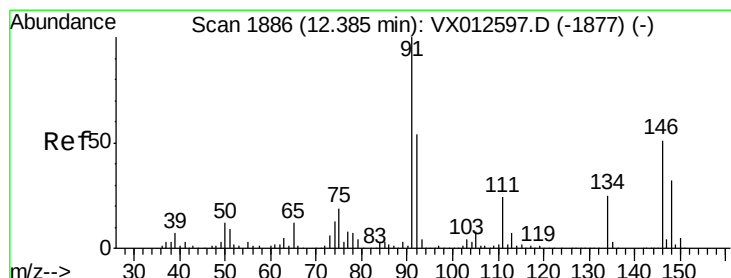
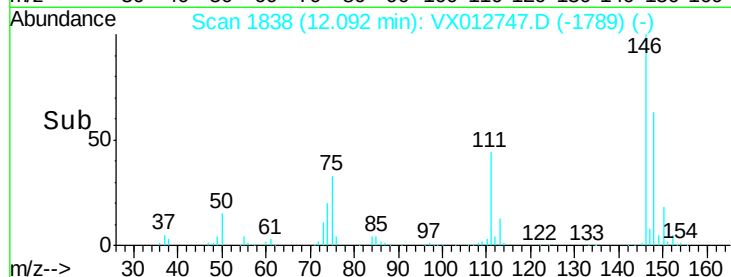
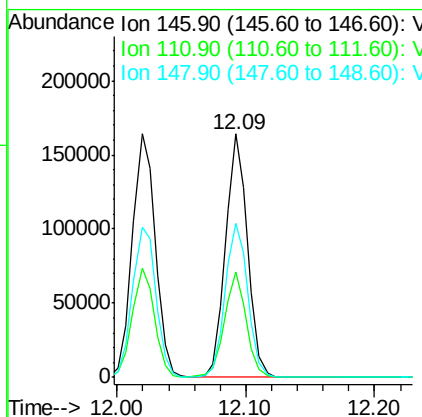
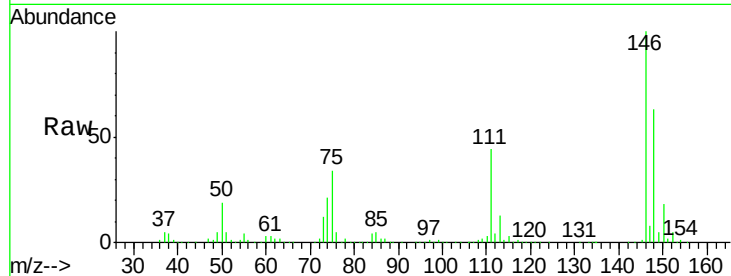
#88
 1,4-Dichlorobenzene
 Concen: 47.961 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.9	32.1	96.5

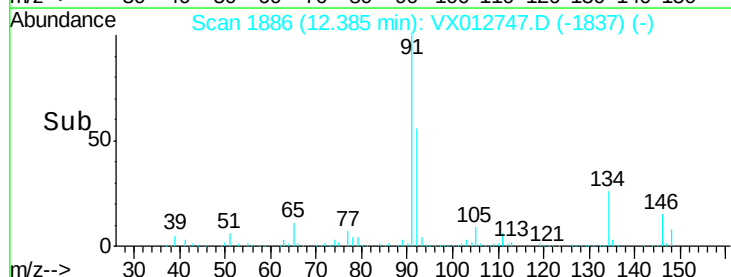
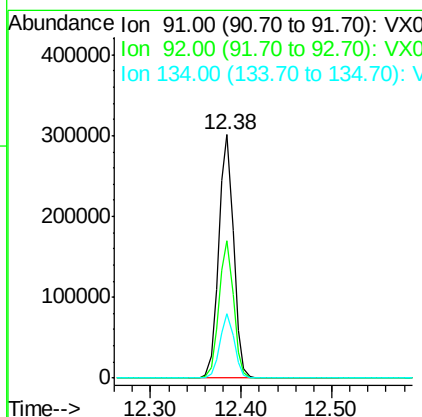
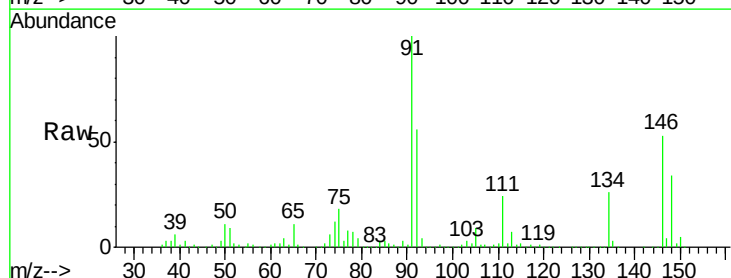
Manual Integrations
 APPROVED

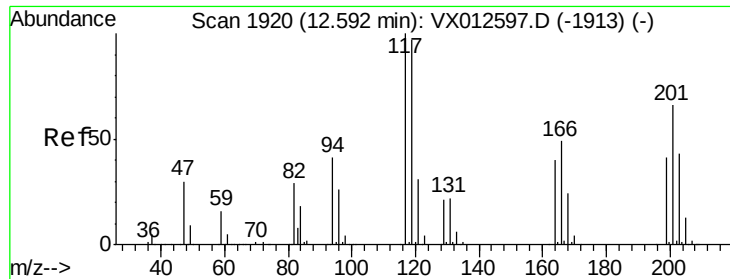
MMDadoda
 10/2/2019 10:07:31 AM



#89
 n-Butylbenzene
 Concen: 46.123 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.0
134	25.6	12.9	38.6





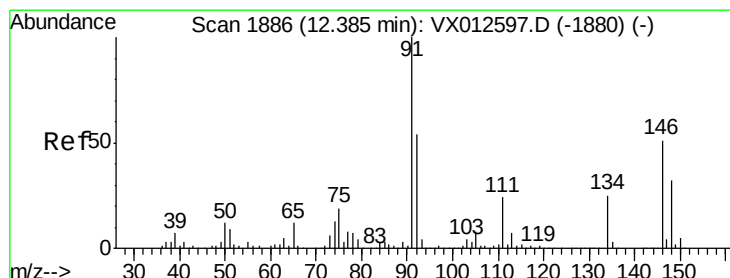
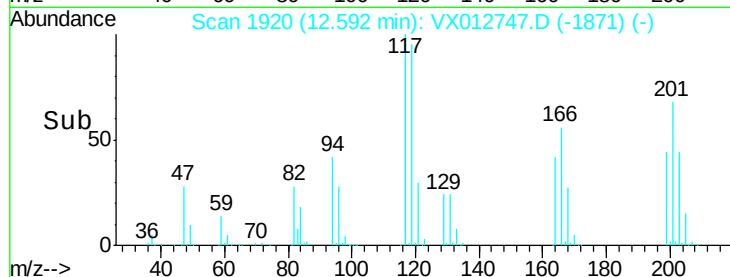
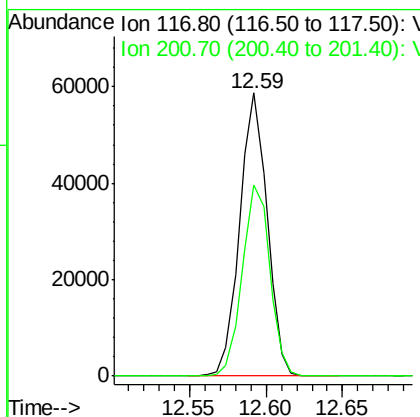
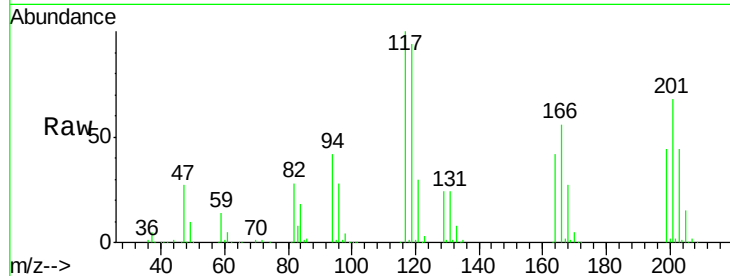
#90
Hexachloroethane
Concen: 48.210 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20190926MSD

Tot Ion:117 Resp: 73090
Ion Ratio Lower Upper
117 100
201 68.2 33.3 99.8

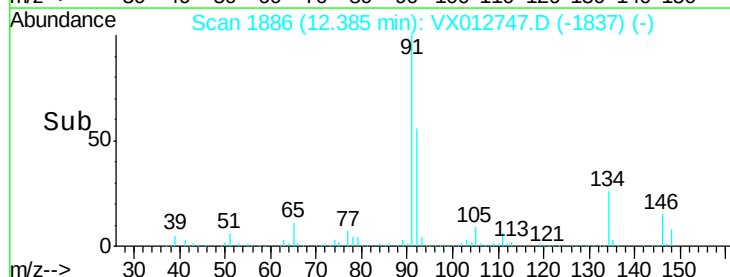
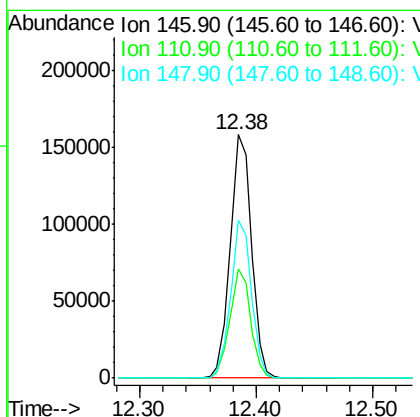
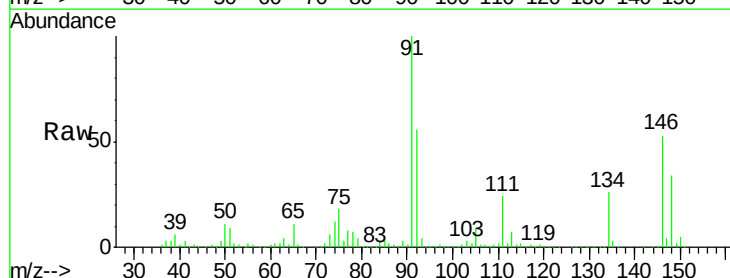
Manual Integrations
APPROVED

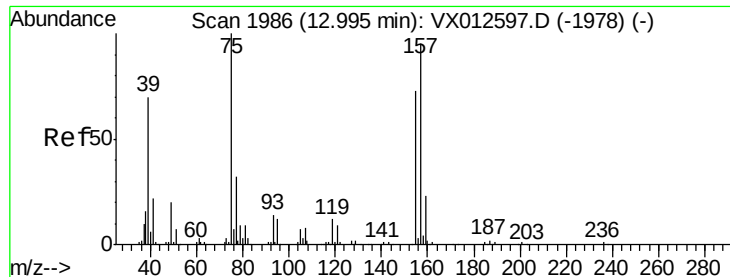
MMDadoda
10/2/2019 10:07:31 AM



#91
1,2-Dichlorobenzene
Concen: 49.523 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012747.D
Acq: 01 Oct 2019 20:42

Tgt Ion:146 Resp: 202278
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.1
148 63.3 31.3 93.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.924 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20190926MSD

Tot Ion: 75 Resp: 39769

Ion Ratio Lower Upper

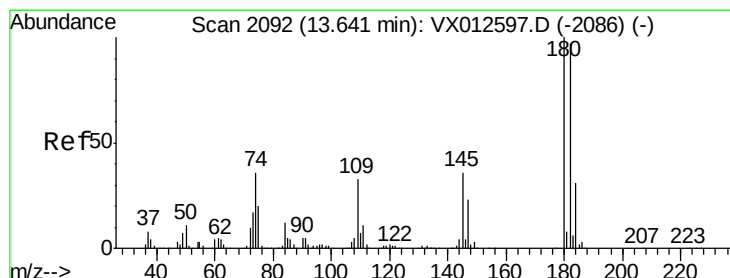
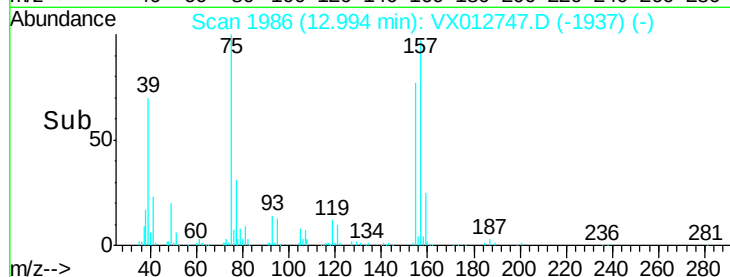
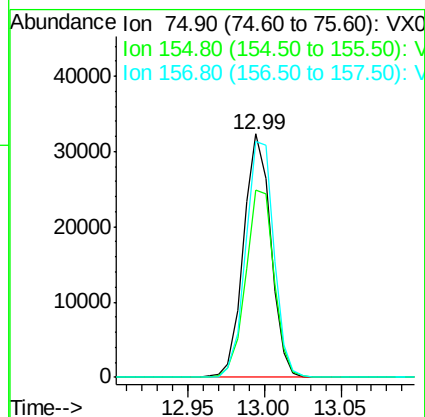
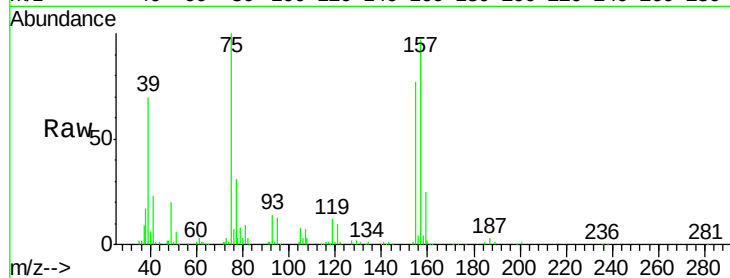
75 100

155 80.4 38.6 115.8

157 100.6 50.6 151.9

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



#93

1,2,4-Trichlorobenzene

Concen: 48.525 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

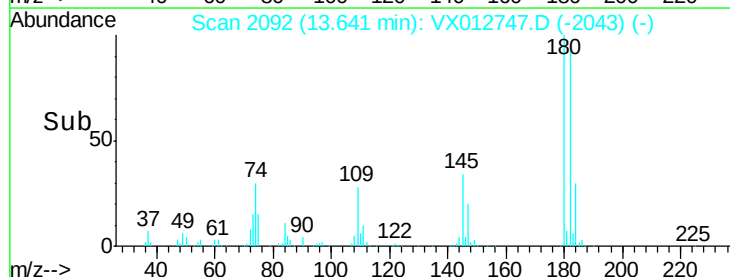
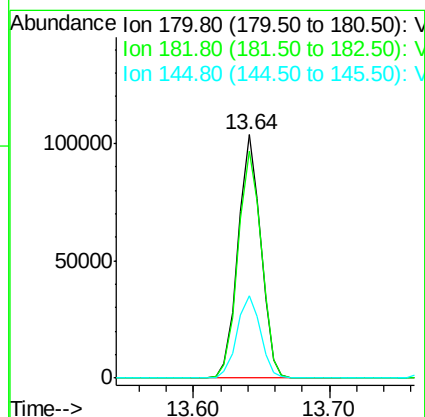
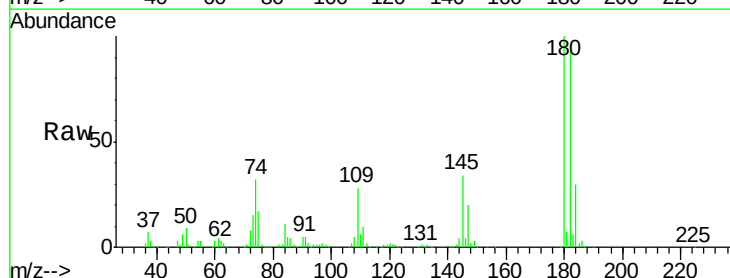
Tgt Ion: 180 Resp: 120875

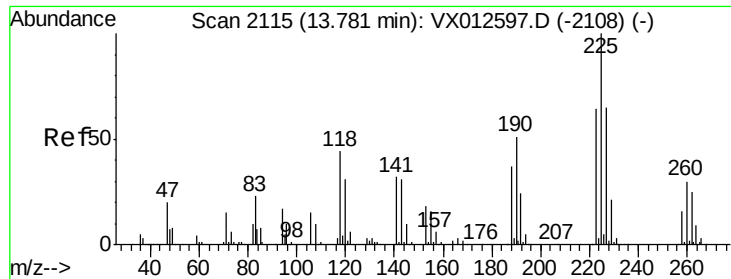
Ion Ratio Lower Upper

180 100

182 95.8 47.0 141.0

145 35.0 16.8 50.4





#94

Hexachlorobutadiene

Concen: 49.108 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VX012747.D

Acq: 01 Oct 2019 20:42

Instrument :

MSVOA_X

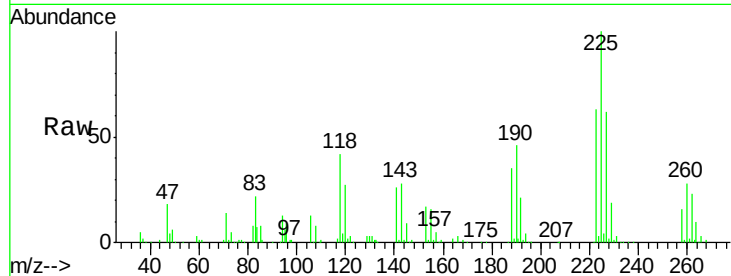
ClientSampleId :

SA-SW201-20190926MSD

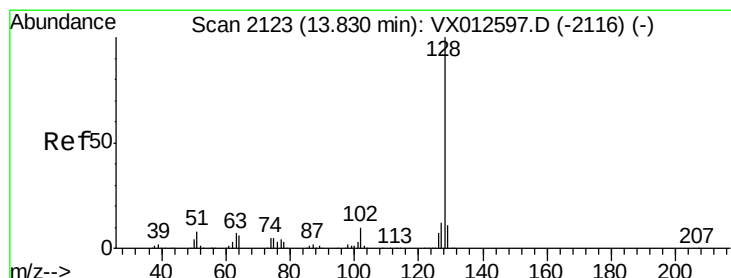
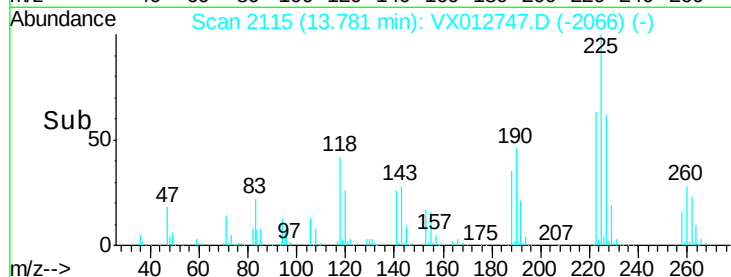
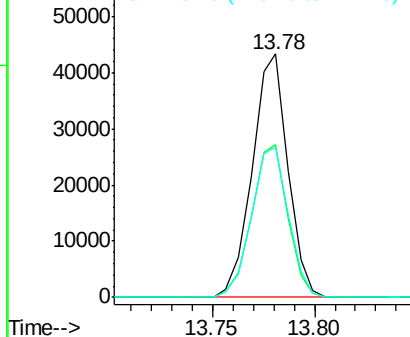
Tot Ion:	225	Resp:	52625
Ion Ratio	Lower	Upper	
225	100		
223	63.3	32.0	96.2
227	63.9	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 10:07:31 AM



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



#95

Naphthalene

Concen: 50.495 ug/l

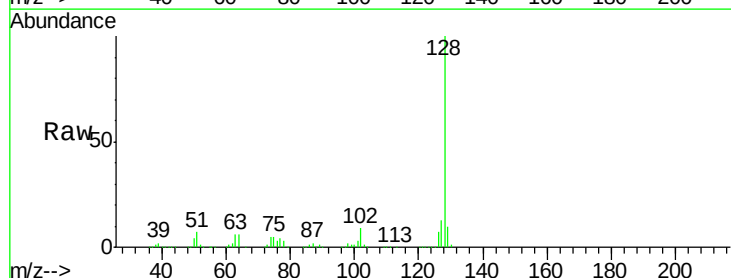
RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

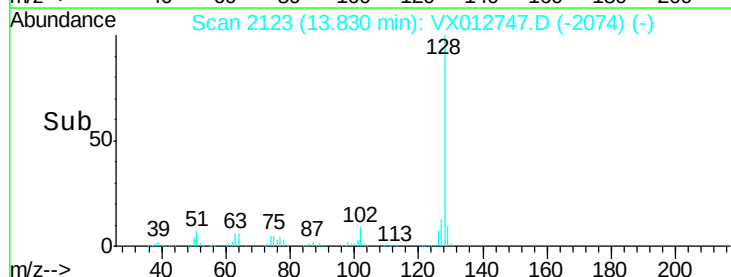
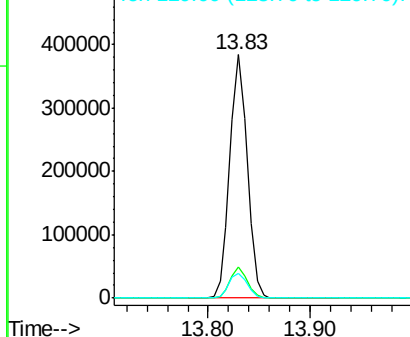
Lab File: VX012747.D

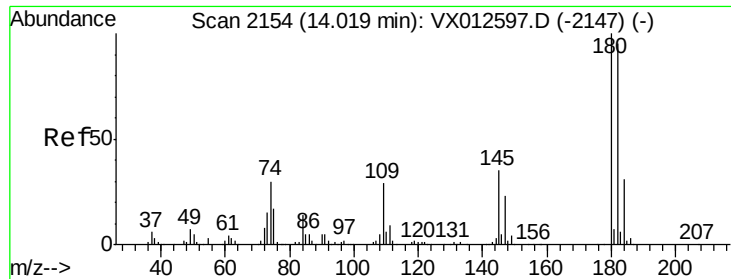
Acq: 01 Oct 2019 20:42

Tgt Ion:	128	Resp:	455083
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.8	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.754 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012747.D
 Acq: 01 Oct 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126644		
182	95.9	47.1	141.3	
145	35.6	18.0	54.0	

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 10:07:31 AM

