

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012877.D
 Acq On : 08 Oct 2019 07:32
 Operator : JC/SP
 Sample : K5122-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:25 PM

Quant Time: Oct 08 13:26:42 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	165089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113789	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	5.49	113	89297	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.71	98	330269	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.14	95	130777	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66776	35.955	ug/l	97
3) Chloromethane	1.32	50	82895	38.870	ug/l	100
4) Vinyl Chloride	1.40	62	87687	41.367	ug/l	95
5) Bromomethane	1.62	94	26867	32.237	ug/l	92
6) Chloroethane	1.70	64	58407	40.873	ug/l	97
7) Trichlorofluoromethane	1.92	101	124651	41.884	ug/l	99
8) Diethyl Ether	2.18	74	54971	45.071	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78625	43.375	ug/l	97
10) Methyl Iodide	2.50	142	72353	39.088	ug/l	91
11) Tert butyl alcohol	3.04	59	137170	228.412	ug/l	98
12) 1,1-Dichloroethene	2.36	96	83080	46.806	ug/l	94
13) Acrolein	2.28	56	68825	207.544	ug/l	97
14) Allyl chloride	2.72	41	148109	42.057	ug/l	95
15) Acrylonitrile	3.13	53	287500	235.972	ug/l	99
16) Acetone	2.44	43	251311	197.360	ug/l	93
17) Carbon Disulfide	2.56	76	203217	40.838	ug/l	100
18) Methyl Acetate	2.76	43	123550	41.206	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	321051	47.786	ug/l	100
20) Methylene Chloride	2.84	84	100899	46.849	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	89354	45.439	ug/l	96
22) Diisopropyl ether	3.84	45	315778	46.406	ug/l	94
23) Vinyl Acetate	3.80	43	1140810	191.174	ug/l	98
24) 1,1-Dichloroethane	3.69	63	173994	47.040	ug/l	99
25) 2-Butanone	4.66	43	398281	218.139	ug/l	94
26) 2,2-Dichloropropane	4.57	77	86733	26.365	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	109710	48.082	ug/l	88
28) Bromochloromethane	5.00	49	64579	48.084	ug/l	95
29) Tetrahydrofuran	5.11	42	254226	228.448	ug/l	95
30) Chloroform	5.20	83	175772	46.448	ug/l	99
31) Cyclohexane	5.57	56	143515	42.888	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	149731	44.644	ug/l	99
36) 1,1-Dichloropropene	5.79	75	124006	43.400	ug/l	97
37) Ethyl Acetate	4.82	43	129570	38.788	ug/l	97
38) Carbon Tetrachloride	5.77	117	126108	43.448	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012877.D
 Acq On : 08 Oct 2019 07:32
 Operator : JC/SP
 Sample : K5122-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:25 PM

Quant Time: Oct 08 13:26:42 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	134221	39.020	ug/l	99
40) Benzene	6.13	78	387036	46.038	ug/l	97
41) Methacrylonitrile	5.03	41	84452	45.060	ug/l	95
42) 1,2-Dichloroethane	6.18	62	143003	44.794	ug/l	97
43) Isopropyl Acetate	6.43	43	223465	40.003	ug/l	96
44) Trichloroethene	7.21	130	100531	46.776	ug/l	96
45) 1,2-Dichloropropane	7.51	63	102085	47.429	ug/l	98
46) Dibromomethane	7.65	93	67512	46.069	ug/l	99
47) Bromodichloromethane	7.89	83	135570	46.287	ug/l	98
48) Methyl methacrylate	7.76	41	119579	44.642	ug/l	92
49) 1,4-Dioxane	7.73	88	54499	897.025	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	783085	227.092	ug/l	96
52) Toluene	8.78	92	243338	46.053	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	138800	42.832	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	151162	42.723	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	103704	49.367	ug/l	98
56) Ethyl methacrylate	9.17	69	168023	47.610	ug/l	91
57) 1,3-Dichloropropane	9.37	76	173113	47.086	ug/l	100
59) 2-Hexanone	9.49	43	603666	228.707	ug/l	93
60) Dibromochloromethane	9.58	129	104064	48.937	ug/l	100
61) 1,2-Dibromoethane	9.67	107	106280	48.613	ug/l	99
64) Tetrachloroethene	9.33	164	80554	43.927	ug/l	92
65) Chlorobenzene	10.14	112	258481	46.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	98727	49.197	ug/l	99
67) Ethyl Benzene	10.25	91	470892	46.875	ug/l	99
68) m/p-Xylenes	10.35	106	347624	92.377	ug/l	100
69) o-Xylene	10.70	106	171067	46.980	ug/l	100
70) Stvrene	10.71	104	301626	49.412	ug/l	98
71) Bromoform	10.85	173	71793	51.379	ug/l #	98
73) Isopropylbenzene	11.01	105	455363	44.484	ug/l	100
74) N-amyl acetate	10.89	43	184587	37.798	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	165892	48.933	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	147468m	44.356	ug/l	
77) Bromobenzene	11.25	156	105766	45.652	ug/l	99
78) n-propylbenzene	11.35	91	506231	43.927	ug/l	100
79) 2-Chlorotoluene	11.42	91	312629	43.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	378551	44.099	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40980	35.324	ug/l	98
82) 4-Chlorotoluene	11.51	91	361568	44.119	ug/l	100
83) tert-Butylbenzene	11.76	119	378039	45.654	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	392778	45.358	ug/l	99
85) sec-Butylbenzene	11.94	105	433772	45.038	ug/l	99
86) p-Isopropyltoluene	12.06	119	390926	44.984	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	194689	46.696	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	194460	46.156	ug/l	99
89) n-Butylbenzene	12.38	91	324496	42.374	ug/l	98
90) Hexachloroethane	12.59	117	68776	44.391	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	199266	47.738	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39007	45.997	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	119464	46.930	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100719\
Data File : VX012877.D
Acq On : 08 Oct 2019 07:32
Operator : JC/SP
Sample : K5122-06MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

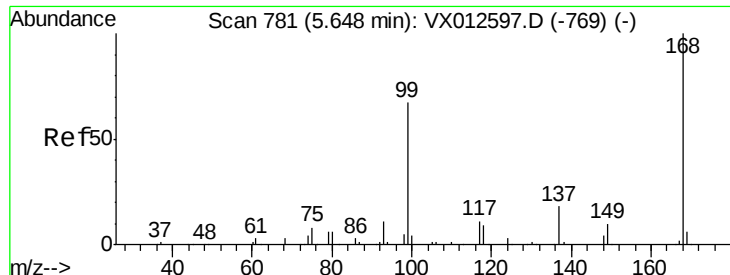
Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM

Quant Time: Oct 08 13:26:42 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	13.77	225	49286	45.005	ug/l	99
95) Naphthalene	13.83	128	429825	46.669	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	120953	47.433	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: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion:168 Resp: 165089

Ion Ratio Lower Upper

168 100

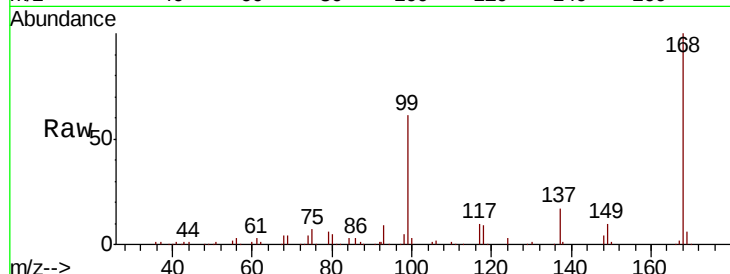
99 60.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

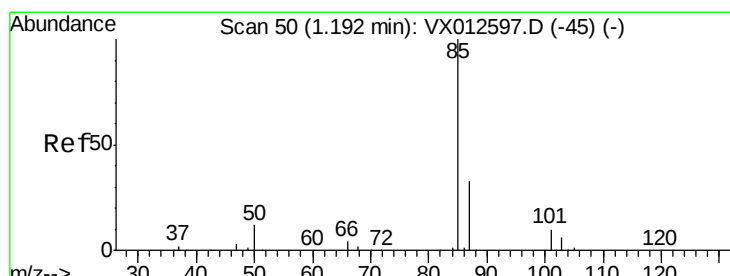
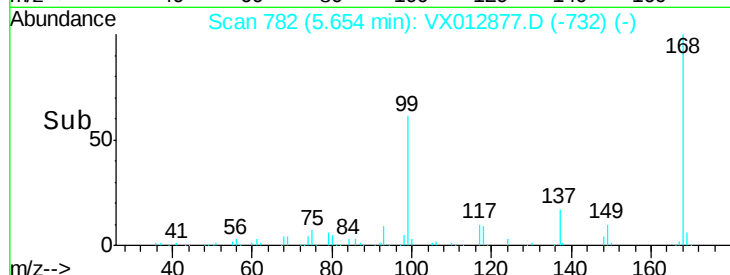
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 35.955 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012877.D

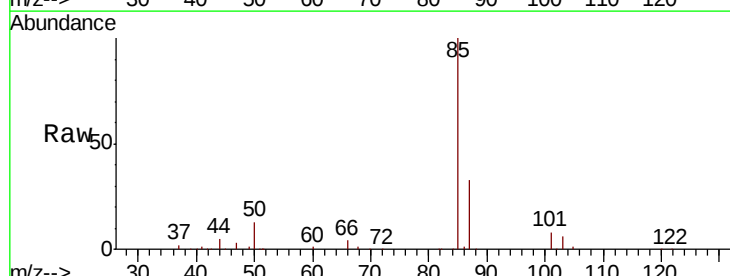
Acq: 08 Oct 2019 07:32

Tgt Ion: 85 Resp: 66776

Ion Ratio Lower Upper

85 100

87 33.0 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

60000

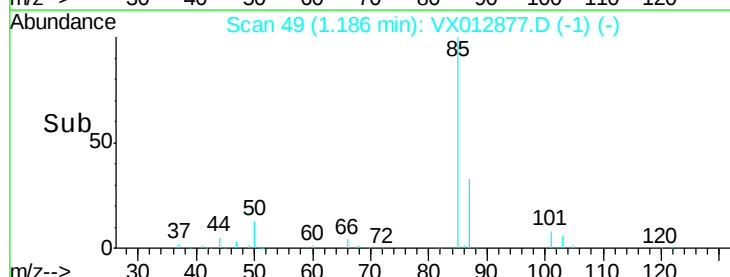
40000

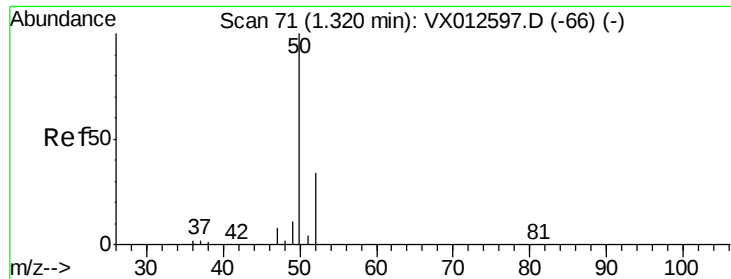
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 38.870 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 50 Resp: 82895

Ion Ratio Lower Upper

50 100

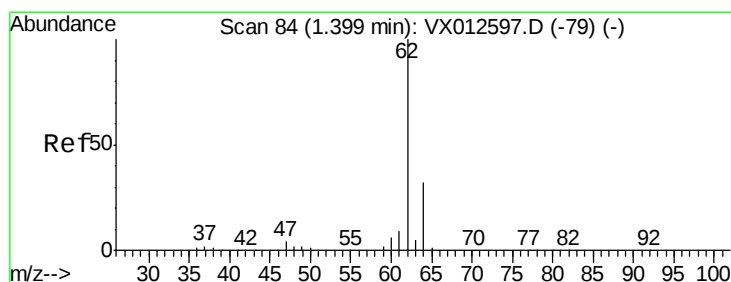
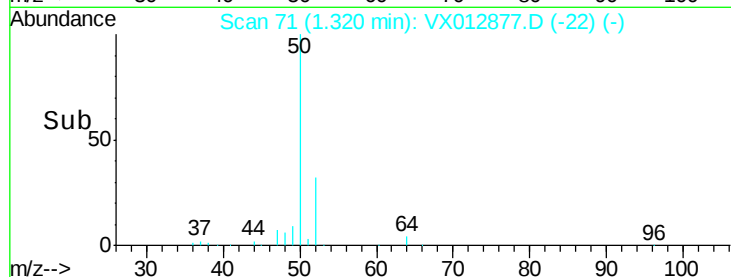
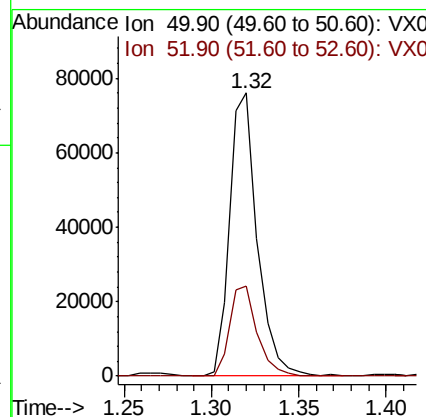
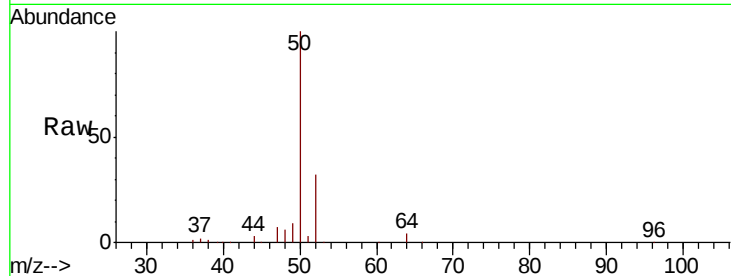
52 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#4

Vinyl Chloride

Concen: 41.367 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012877.D

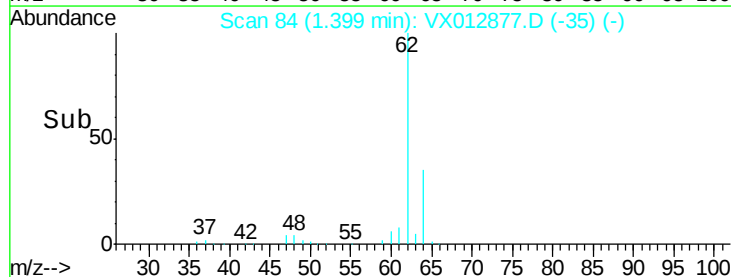
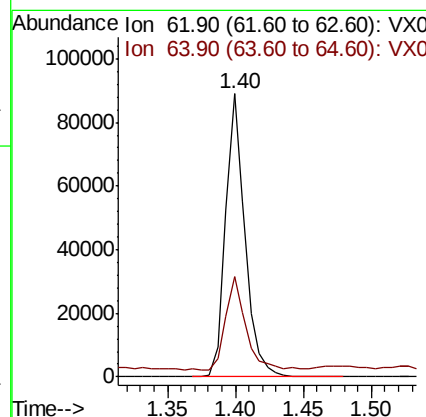
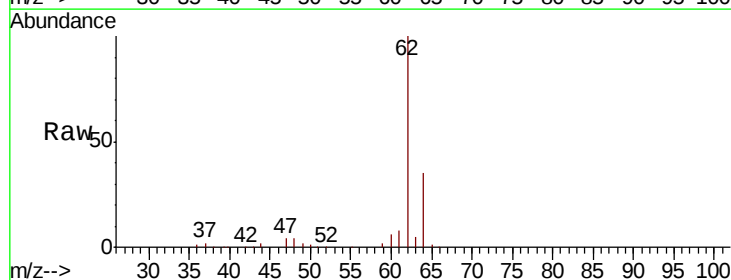
Acq: 08 Oct 2019 07:32

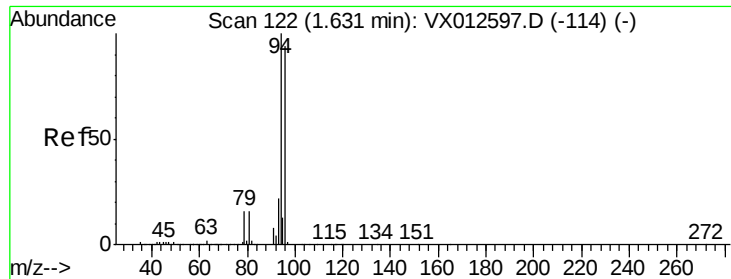
Tgt Ion: 62 Resp: 87687

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.2





#5

Bromomethane

Concen: 32.237 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 94 Resp: 26867

Ion Ratio Lower Upper

94 100

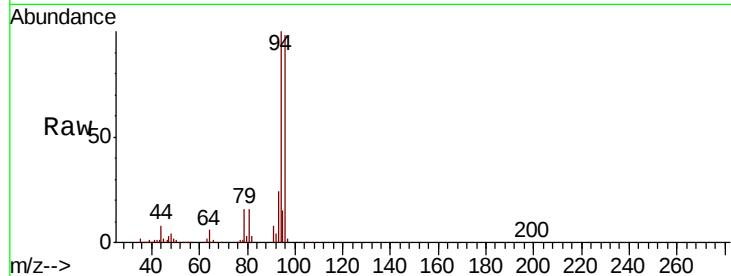
96 98.3 72.8 109.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

25000

20000

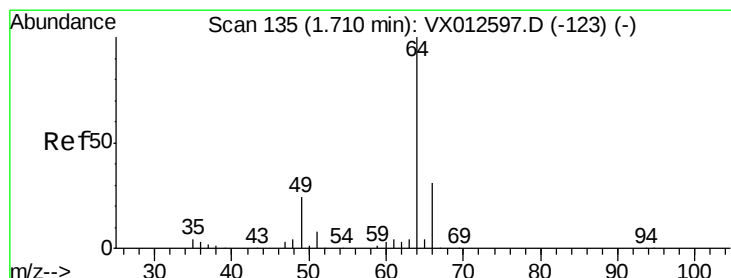
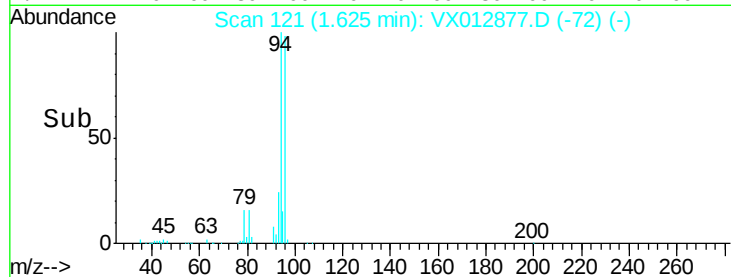
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 40.873 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012877.D

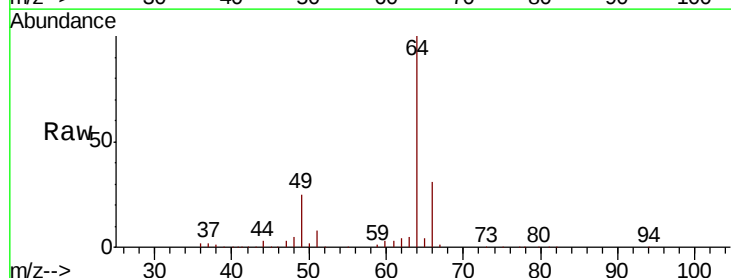
Acq: 08 Oct 2019 07:32

Tgt Ion: 64 Resp: 58407

Ion Ratio Lower Upper

64 100

66 31.9 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

50000

40000

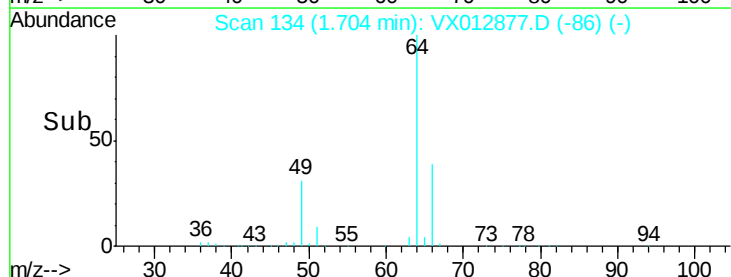
30000

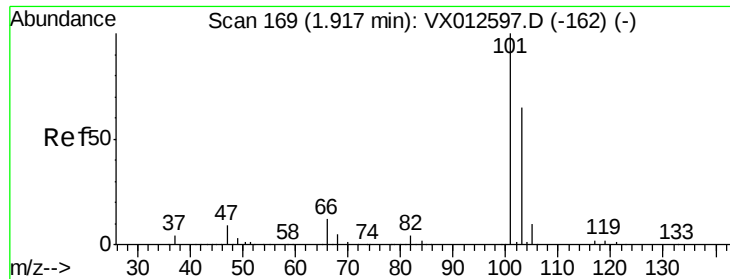
20000

10000

0

Time-->





#7

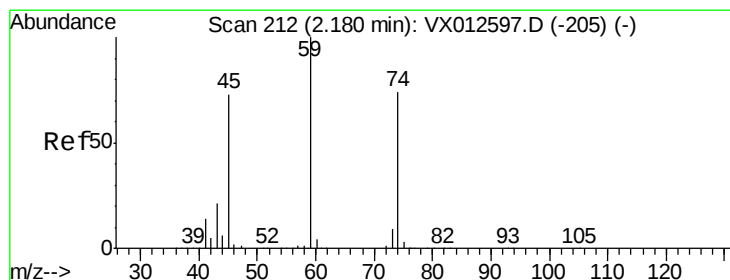
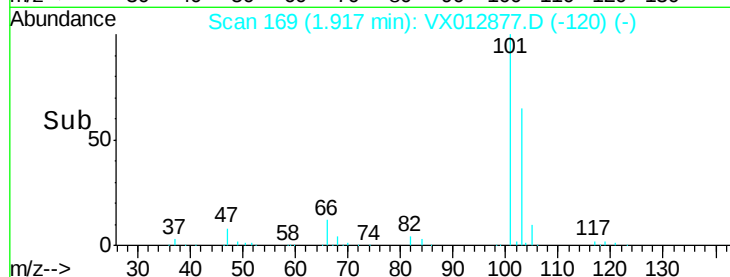
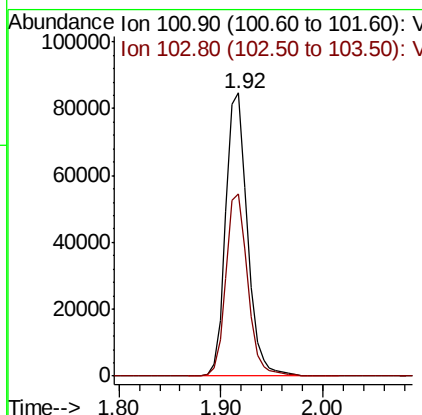
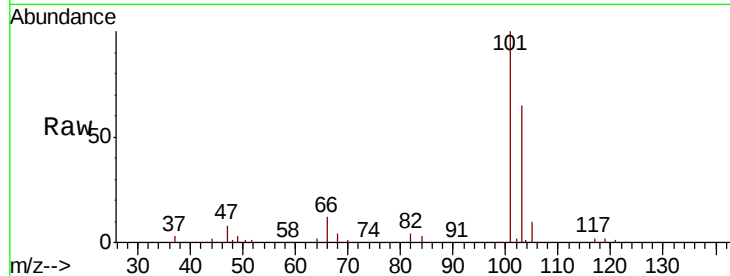
Trichlorofluoromethane
Concen: 41.884 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.4

Manual Integrations
APPROVED

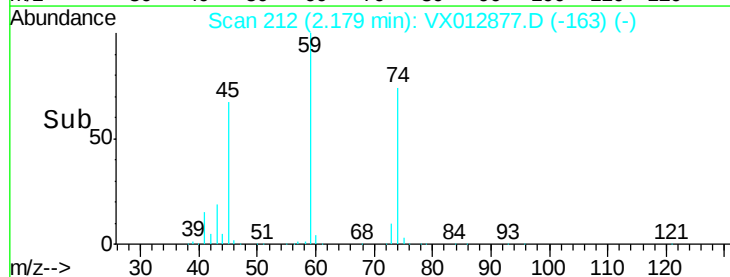
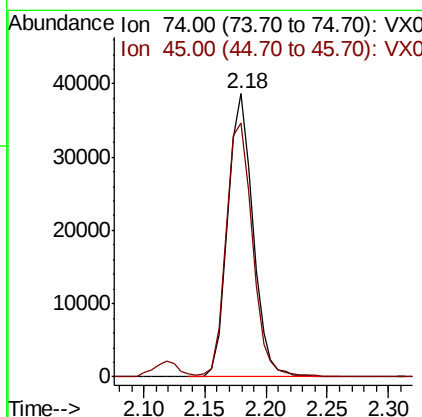
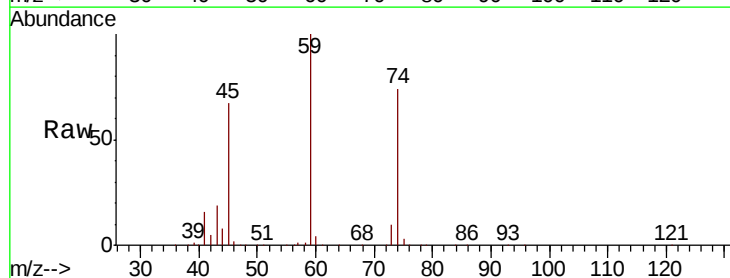
MMDadoda
10/8/2019 2:07:25 PM

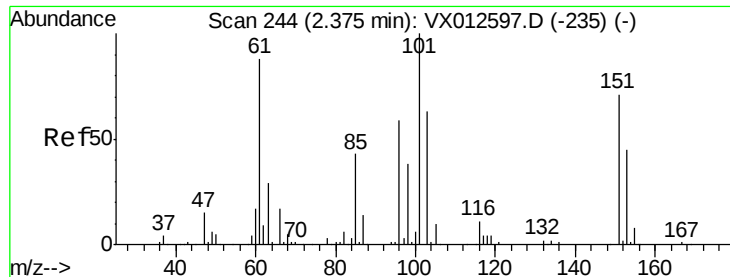


#8

Diethyl Ether
Concen: 45.071 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.375 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

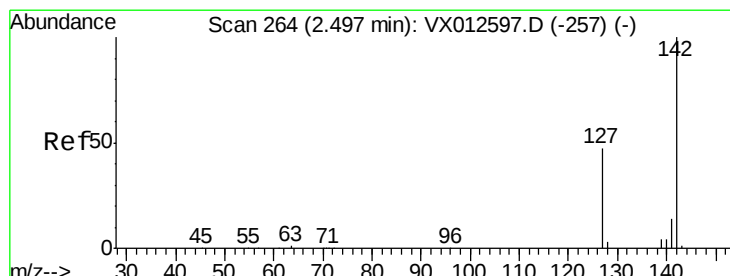
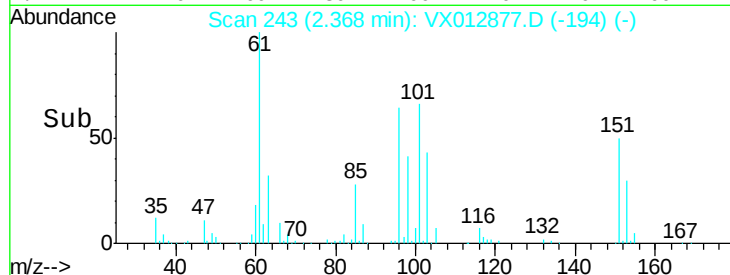
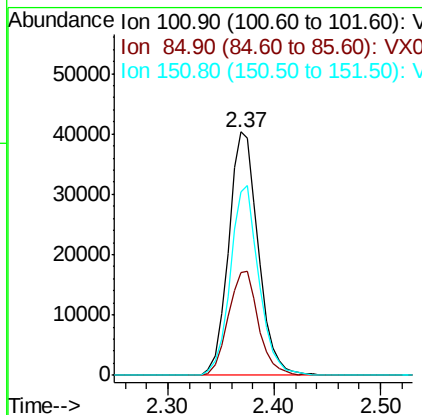
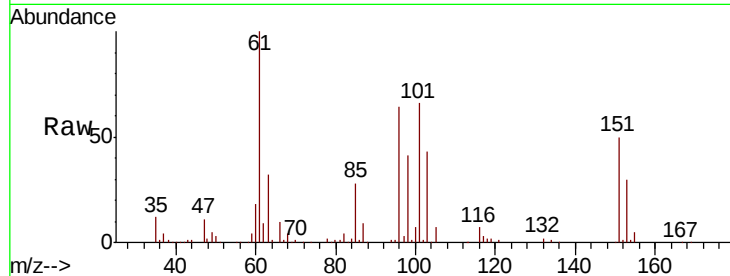
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	101	Resp:	78625
Ion Ratio	Lower	Upper	
101	100		
85	43.5	37.3	55.9
151	75.2	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#10

Methyl Iodide

Concen: 39.088 ug/l

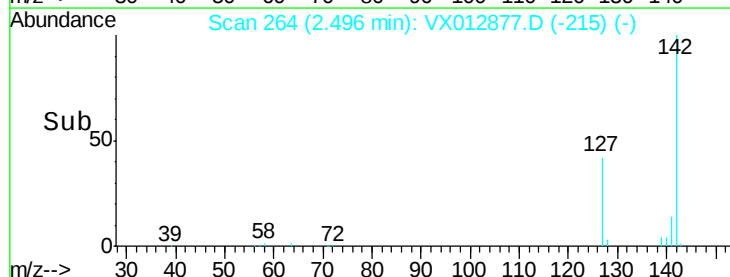
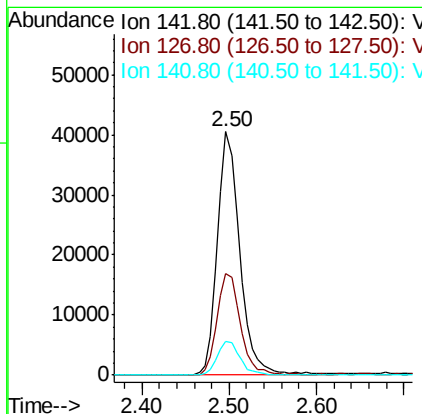
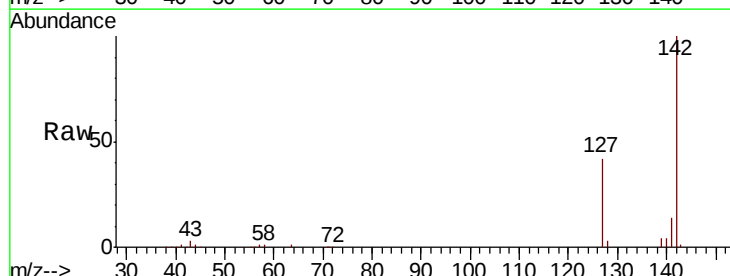
RT: 2.50 min Scan# 264

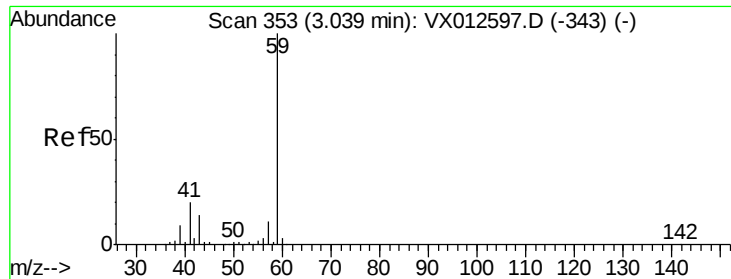
Delta R.T. 0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	142	Resp:	72353
Ion Ratio	Lower	Upper	
142	100		
127	42.9	40.8	61.2
141	14.3	12.1	18.1





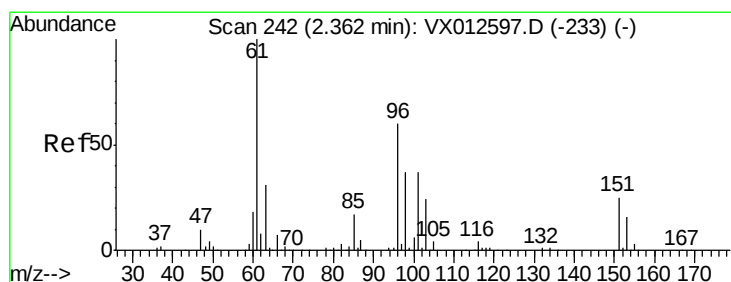
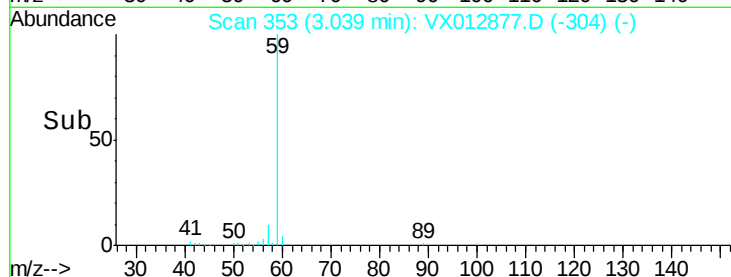
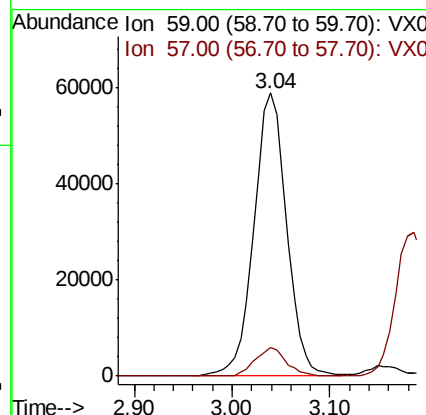
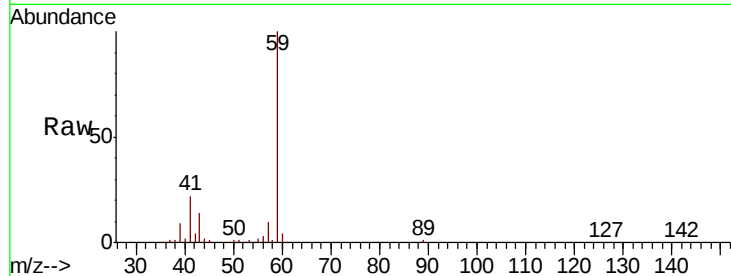
#11
Tert butyl alcohol
Concen: 228.412 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	59	Resp	137170
Ion Ratio	100	Lower	Upper
57	9.7	8.3	12.5

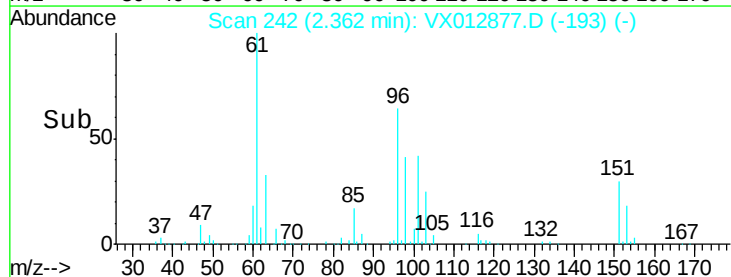
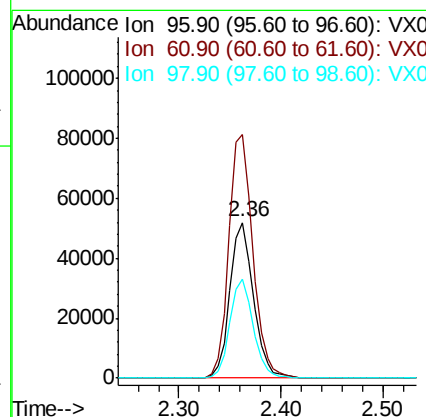
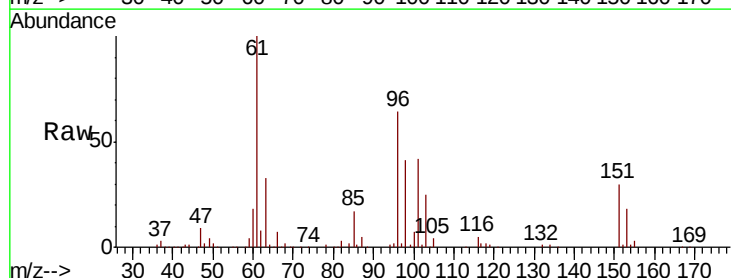
Manual Integrations
APPROVED

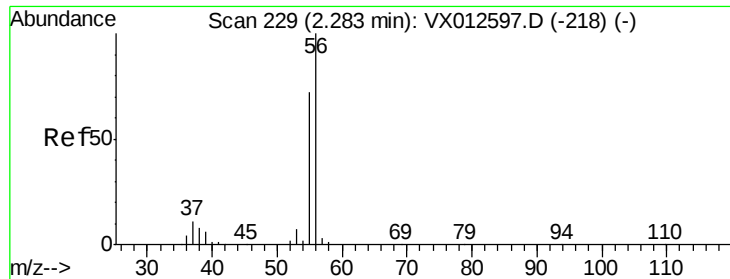
MMDadoda
10/8/2019 2:07:25 PM



#12
1,1-Dichloroethene
Concen: 46.806 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	96	Resp	83080
Ion Ratio	100	Lower	Upper
61	156.6	133.8	200.6
98	64.0	49.9	74.9





#13

Acrolein

Concen: 207.544 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 56 Resp: 68825

Ion Ratio Lower Upper

56 100

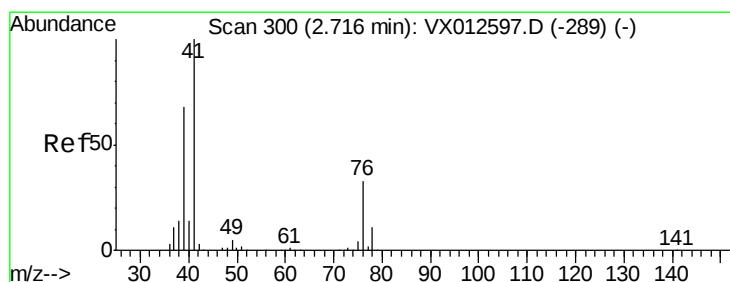
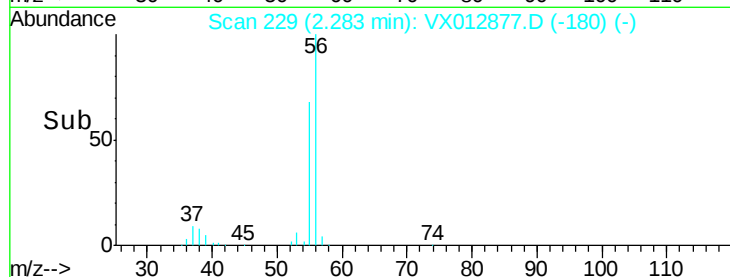
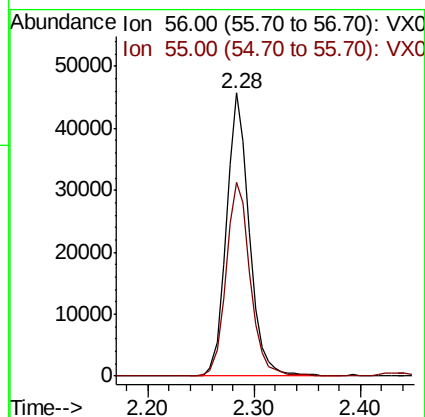
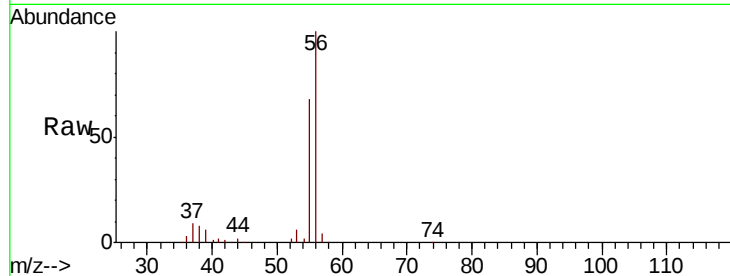
55 72.0 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#14

Allyl chloride

Concen: 42.057 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

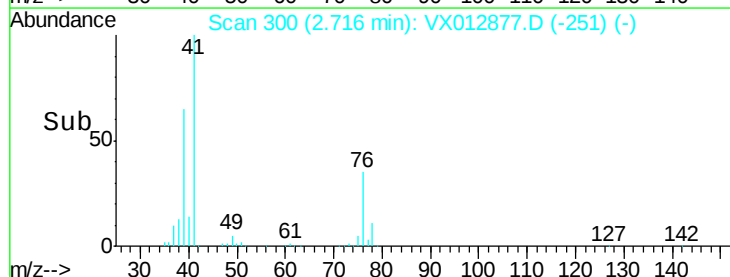
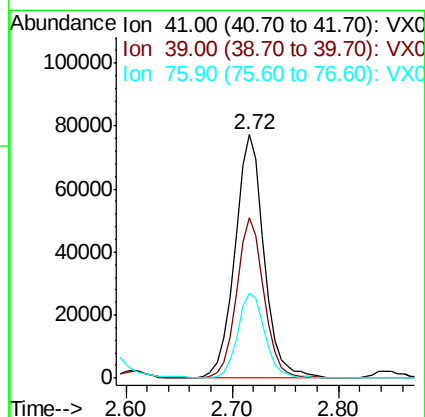
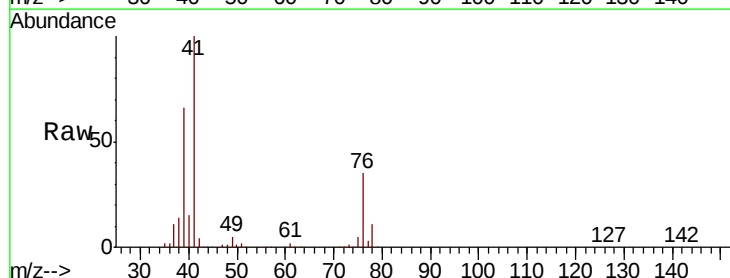
Tgt Ion: 41 Resp: 148109

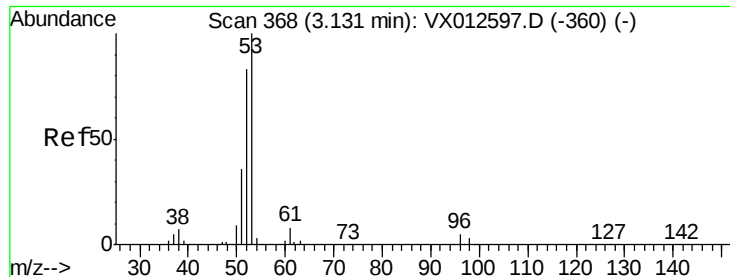
Ion Ratio Lower Upper

41 100

39 61.8 51.3 76.9

76 32.8 22.6 33.8





#15

Acrylonitrile

Concen: 235.972 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

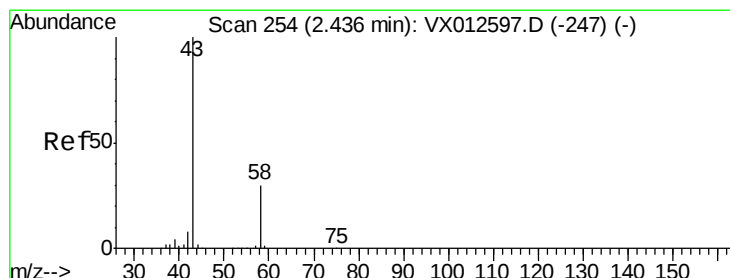
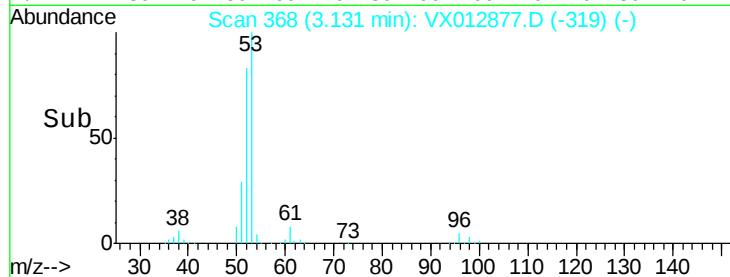
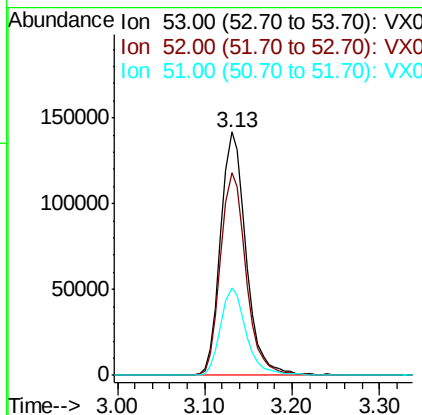
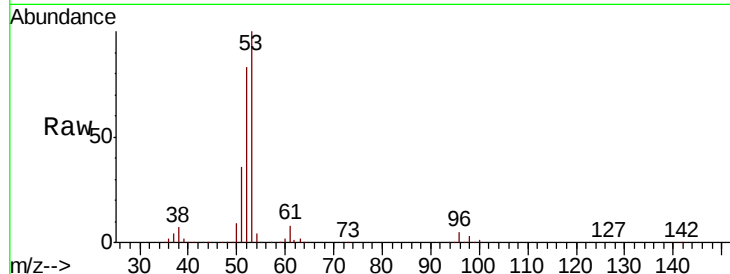
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	53	Resp:	287500
Ion Ratio		Lower	Upper
53	100		
52	83.5	67.0	100.4
51	36.1	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#16

Acetone

Concen: 197.360 ug/l

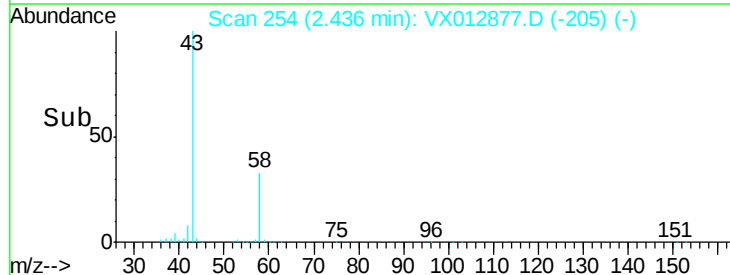
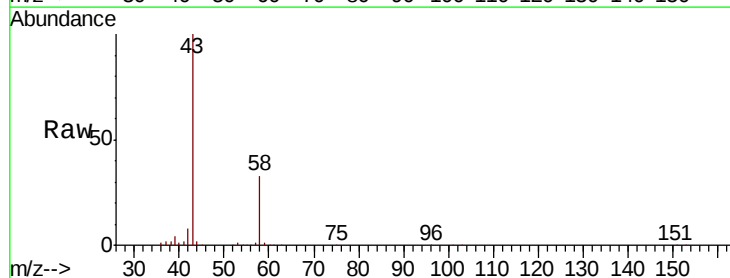
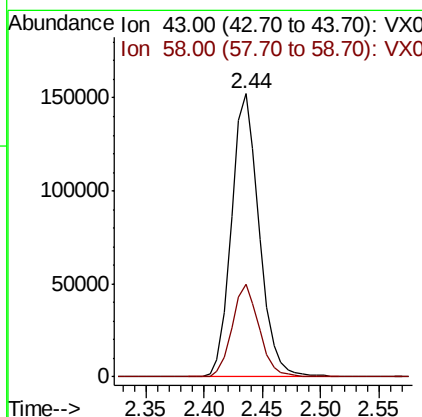
RT: 2.44 min Scan# 254

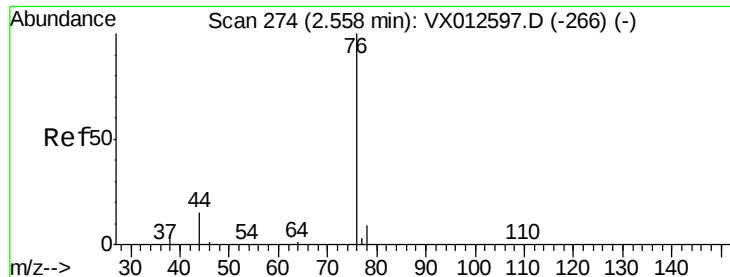
Delta R.T. 0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	43	Resp:	251311
Ion Ratio		Lower	Upper
43	100		
58	32.7	23.3	34.9





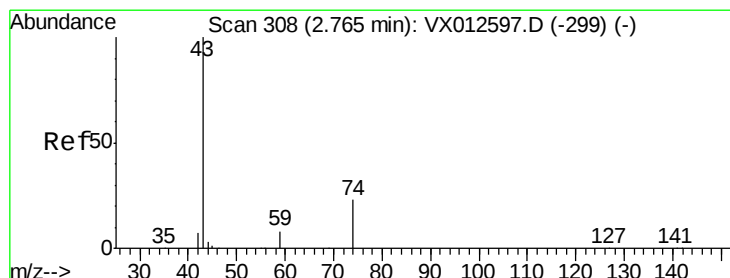
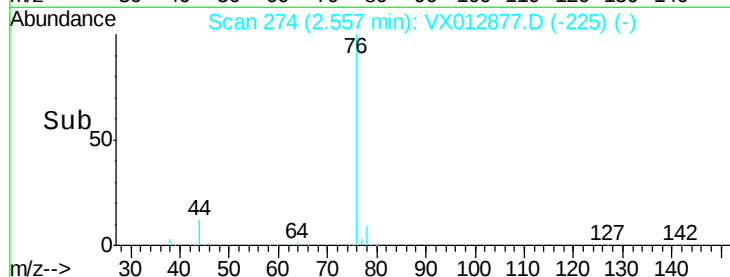
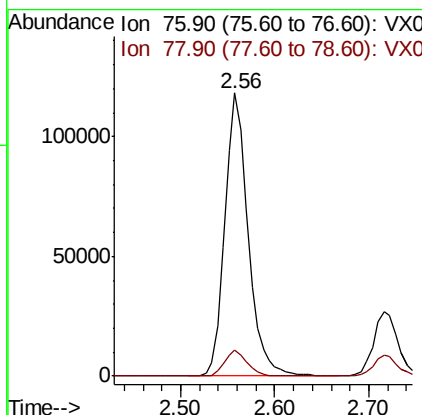
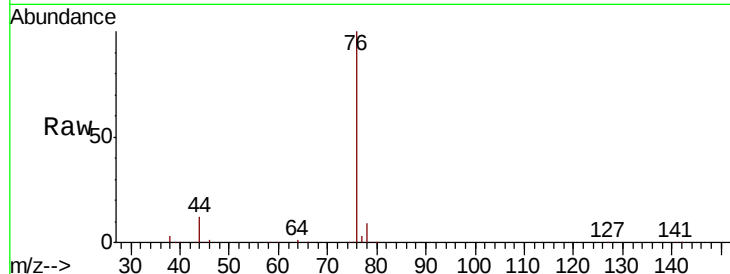
#17
Carbon Disulfide
Concen: 40.838 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

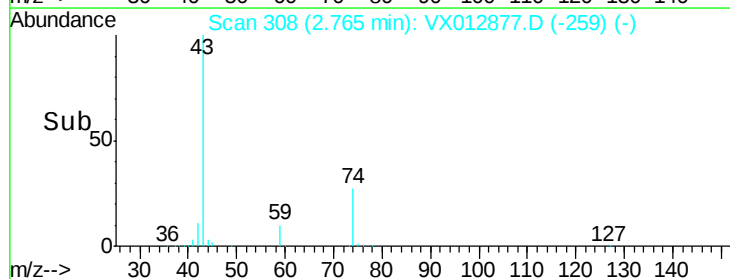
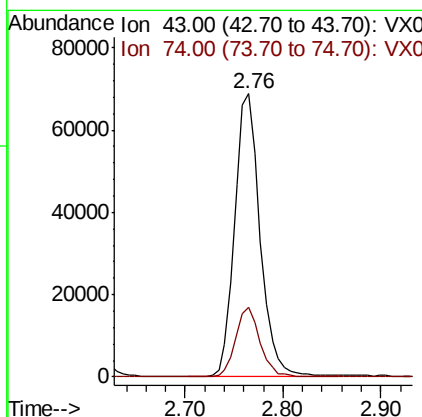
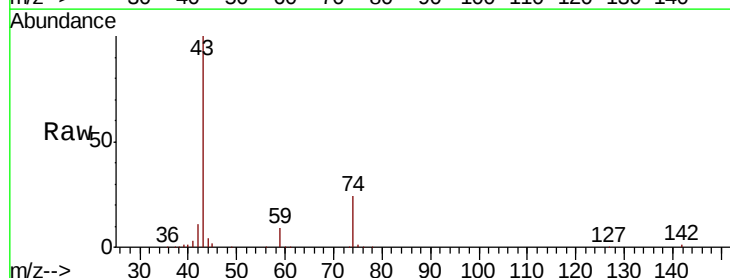
Manual Integrations
APPROVED

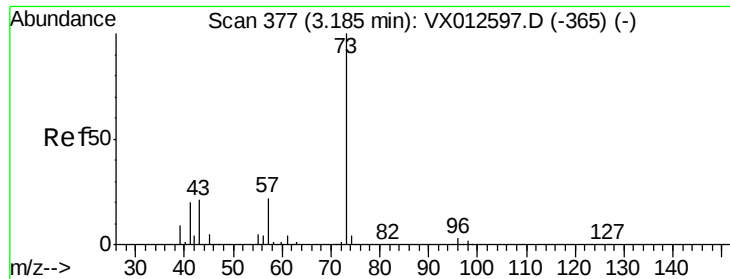
MMDadoda
10/8/2019 2:07:25 PM



#18
Methyl Acetate
Concen: 41.206 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.7	26.5





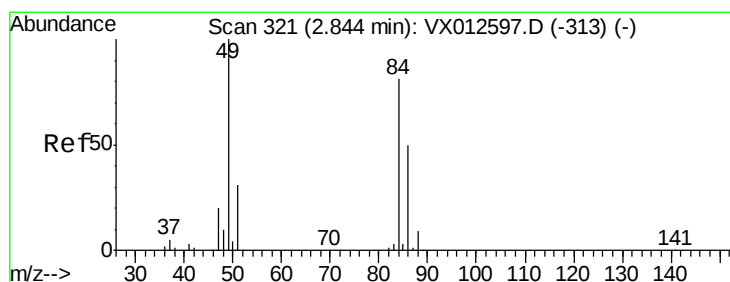
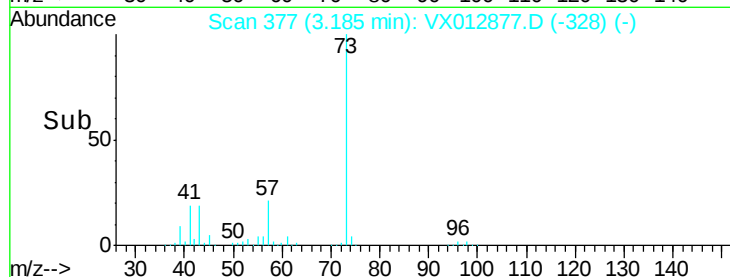
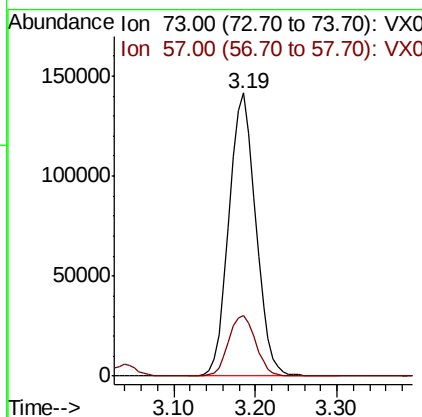
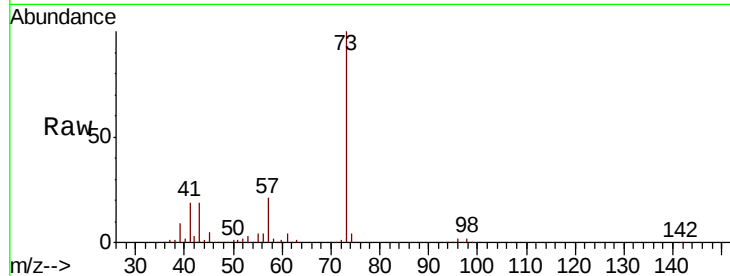
#19
Methyl tert-butyl Ether
Concen: 47.786 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

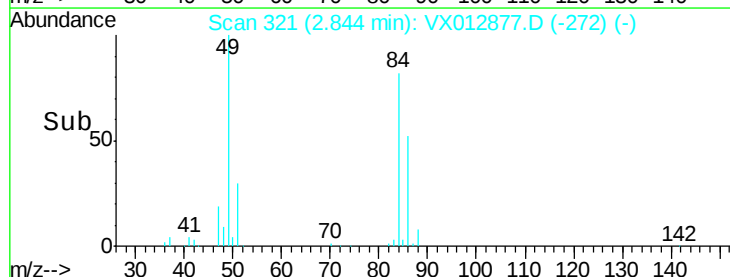
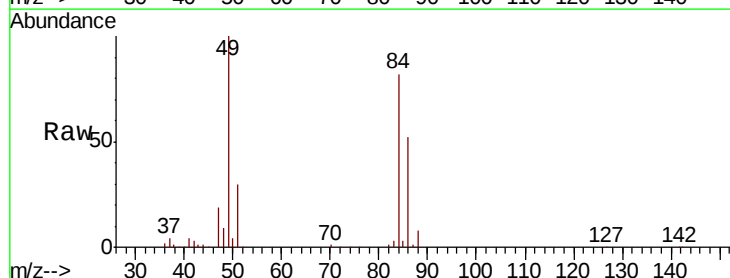
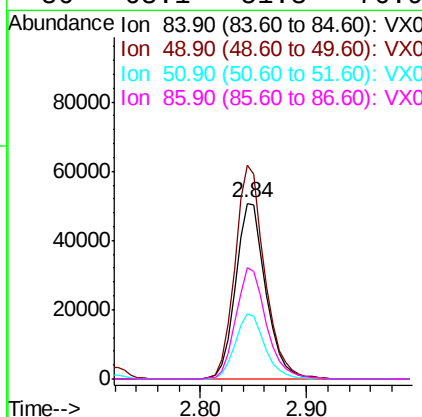
Manual Integrations
APPROVED

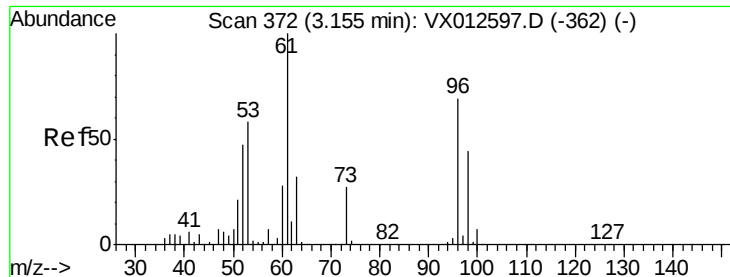
MMDadoda
10/8/2019 2:07:25 PM



#20
Methylene Chloride
Concen: 46.849 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	106.8	160.2
51	37.0	32.3	48.5
86	63.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.439 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

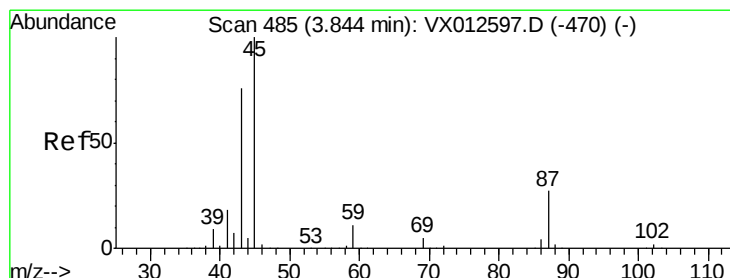
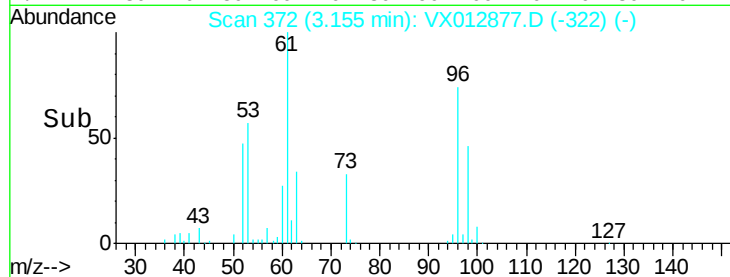
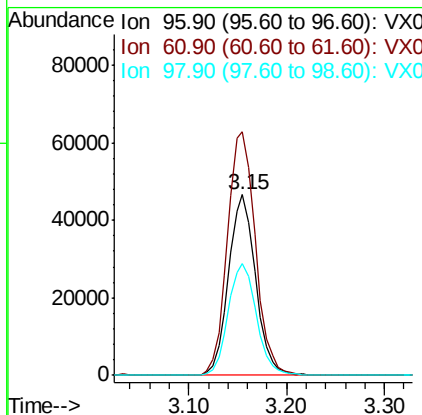
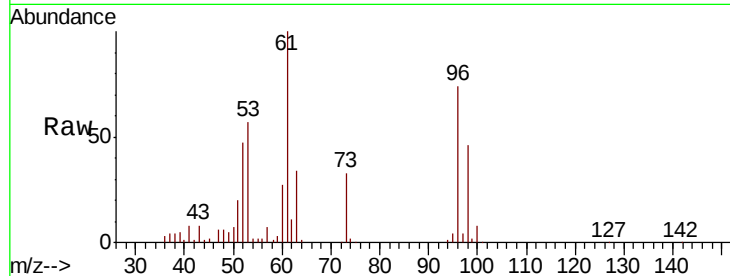
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	96	Resp:	89354
Ion	Ratio	Lower	Upper
96	100		
61	134.9	112.0	168.0
98	62.2	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#22

Diisopropyl ether

Concen: 46.406 ug/l

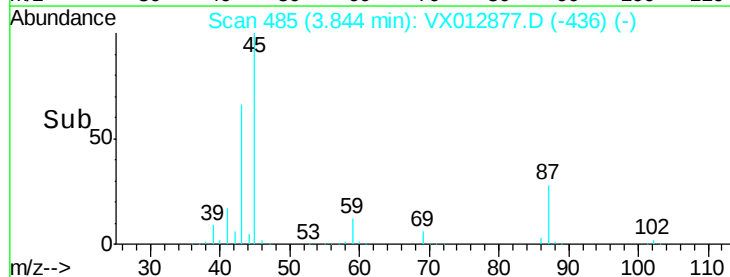
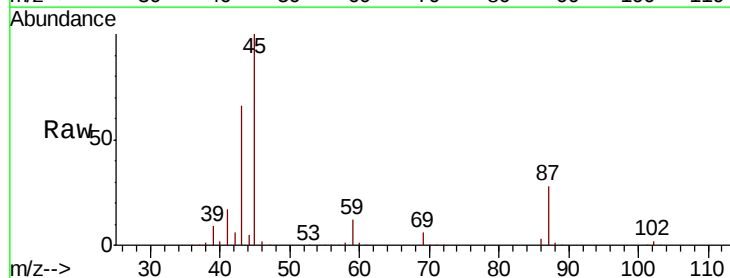
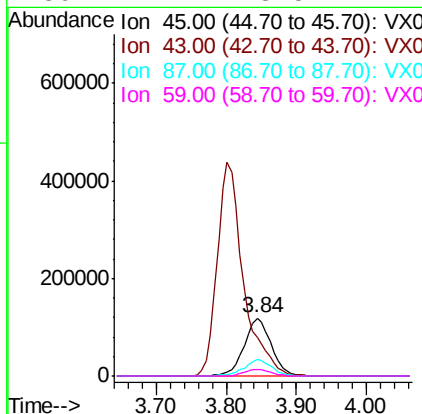
RT: 3.84 min Scan# 485

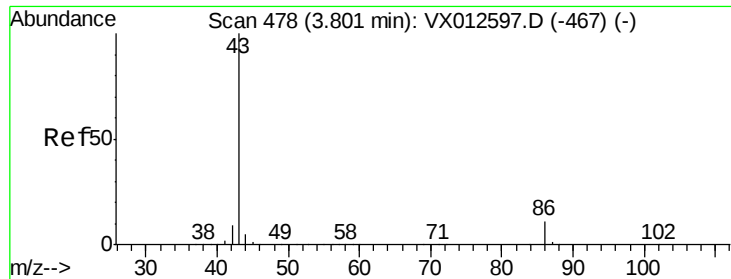
Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	45	Resp:	315778
Ion	Ratio	Lower	Upper
45	100		
43	65.9	57.8	86.8
87	28.3	21.3	31.9
59	11.7	8.5	12.7





#23

Vinyl Acetate

Concen: 191.174 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 1140810

Ion Ratio Lower Upper

43 100

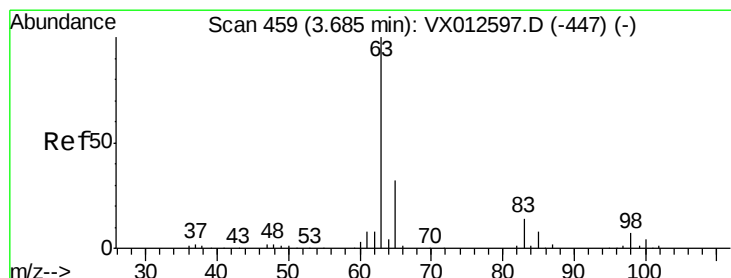
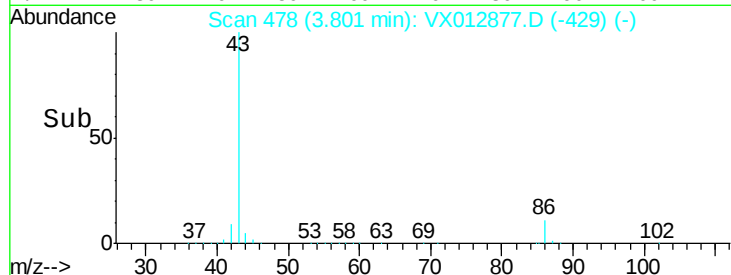
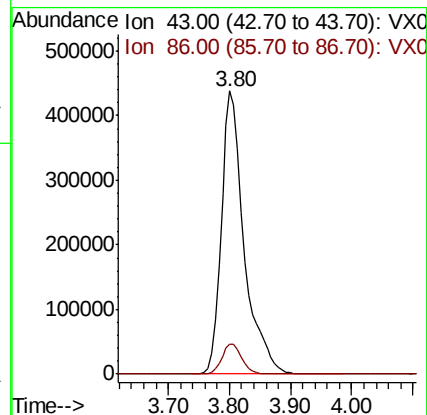
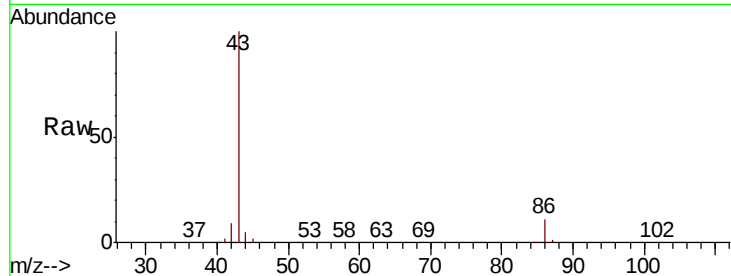
86 10.7 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#24

1,1-Dichloroethane

Concen: 47.040 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

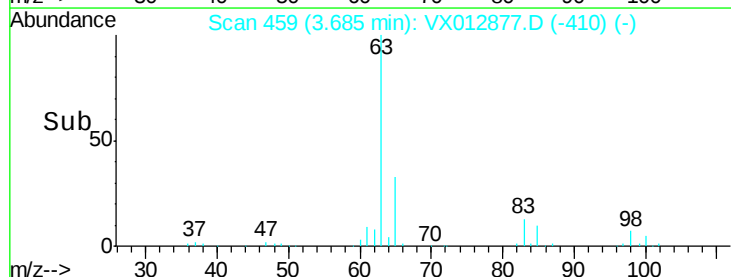
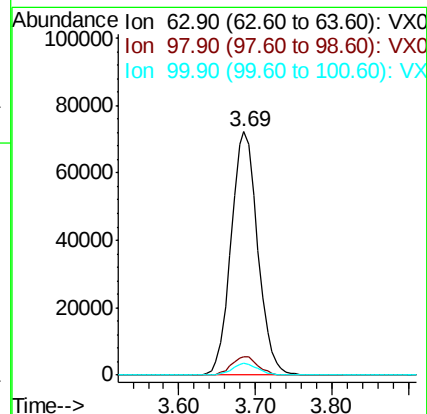
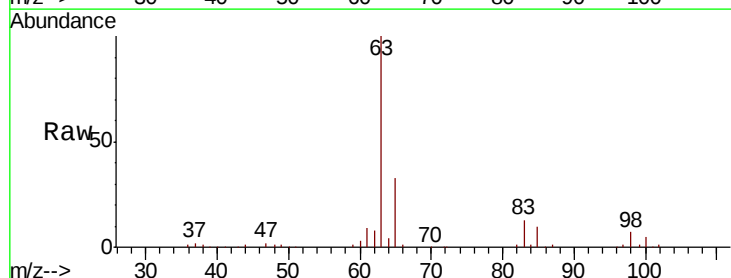
Tgt Ion: 63 Resp: 173994

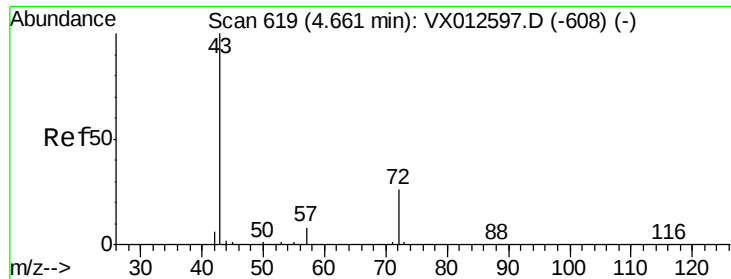
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 218.139 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 398281

Ion Ratio Lower Upper

43 100

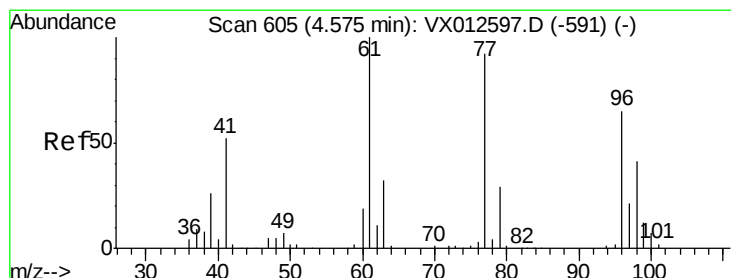
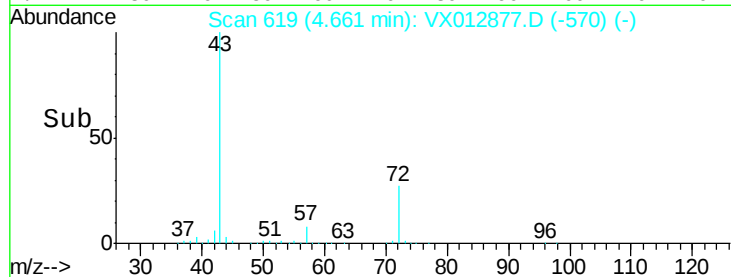
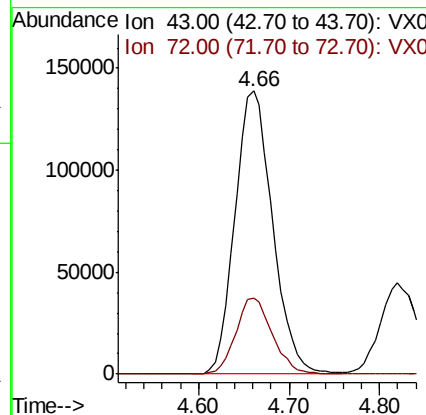
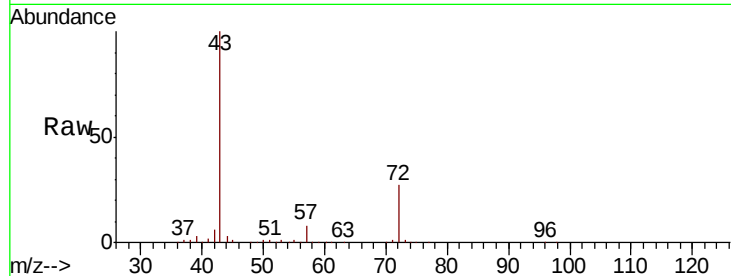
72 26.9 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#26

2,2-Dichloropropane

Concen: 26.365 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012877.D

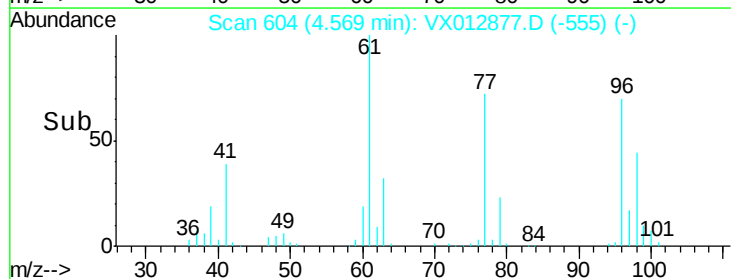
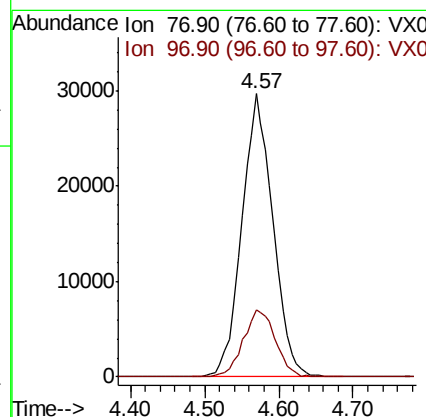
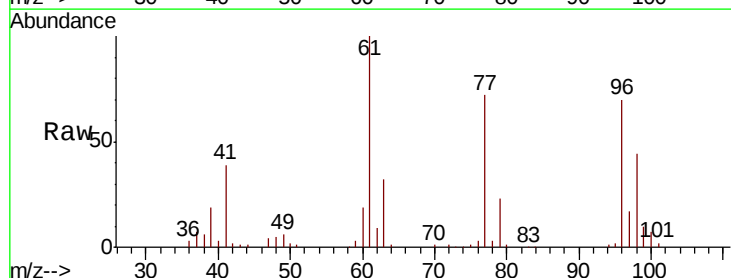
Acq: 08 Oct 2019 07:32

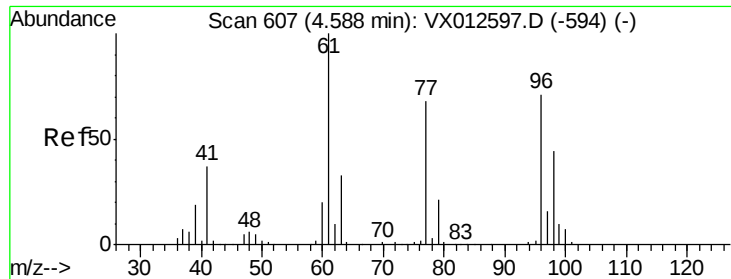
Tgt Ion: 77 Resp: 86733

Ion Ratio Lower Upper

77 100

97 24.6 10.5 31.6





#27

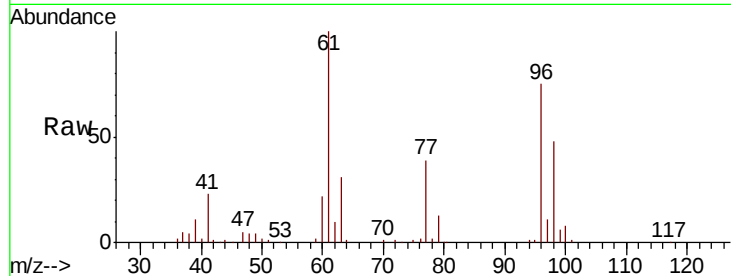
cis-1,2-Dichloroethene
 Concen: 48.082 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

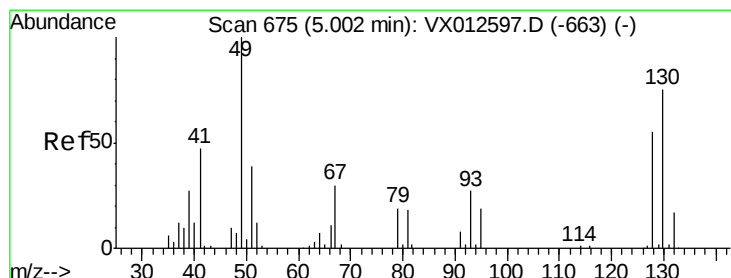
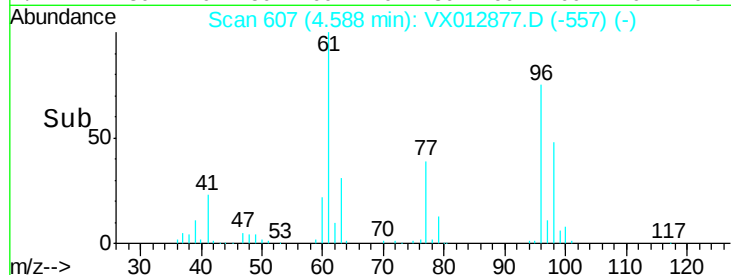
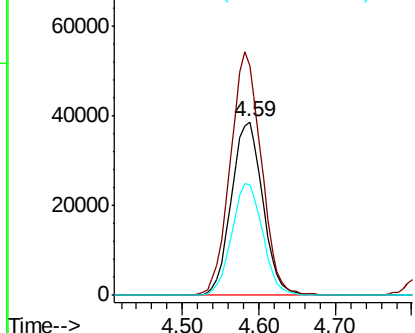
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	319.4
98	63.7	0.0	130.6

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:25 PM



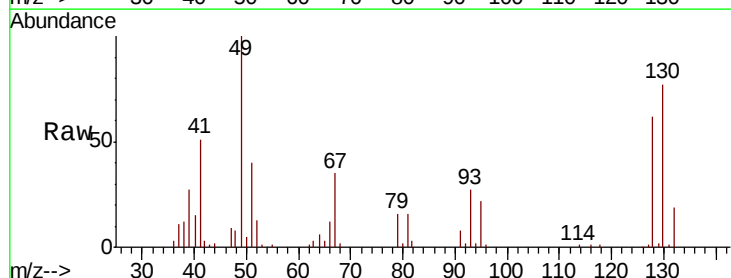
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



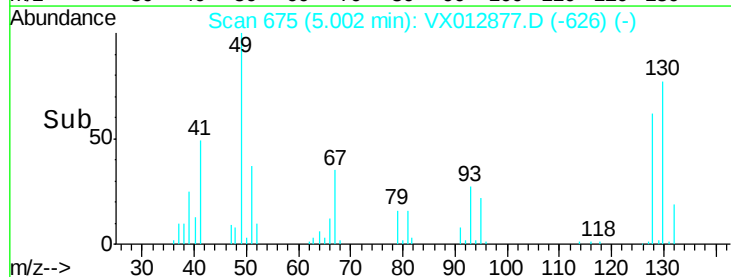
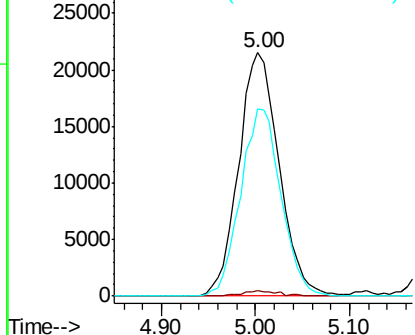
#28

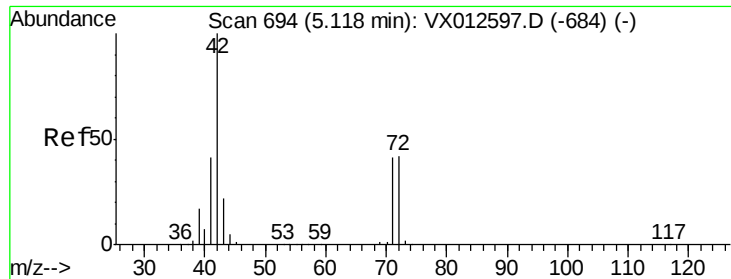
Bromochloromethane
 Concen: 48.084 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.8	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





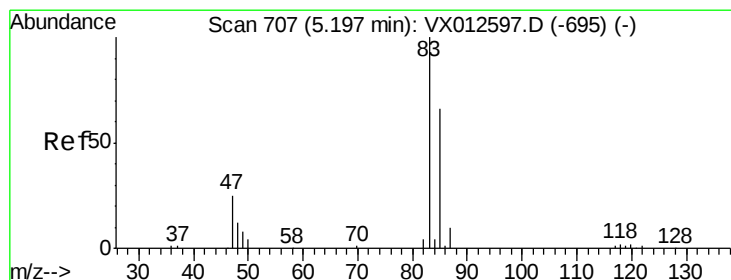
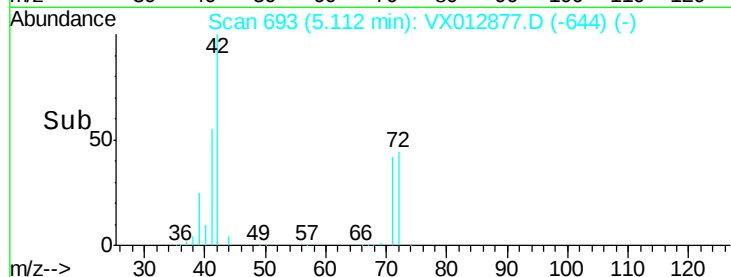
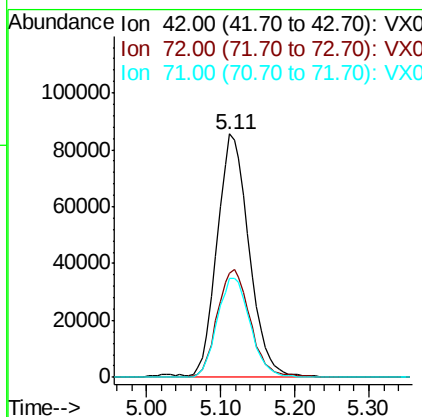
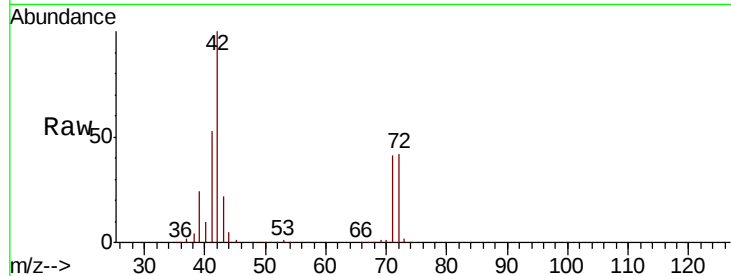
#29
Tetrahydrofuran
Concen: 228.448 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	34.0	51.0
71	42.5	31.5	47.3

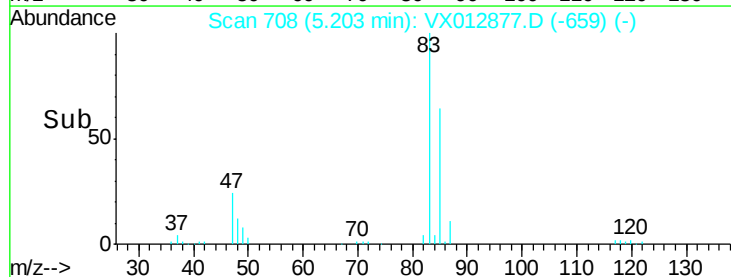
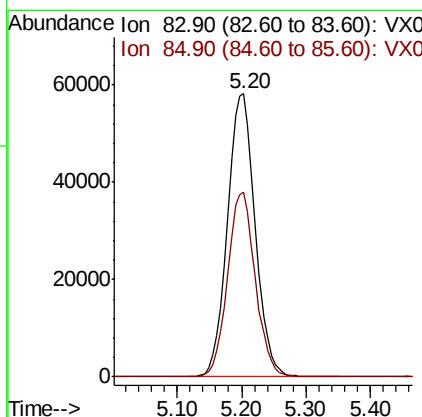
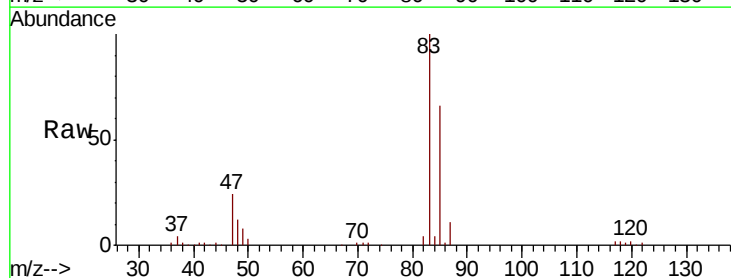
Manual Integrations
APPROVED

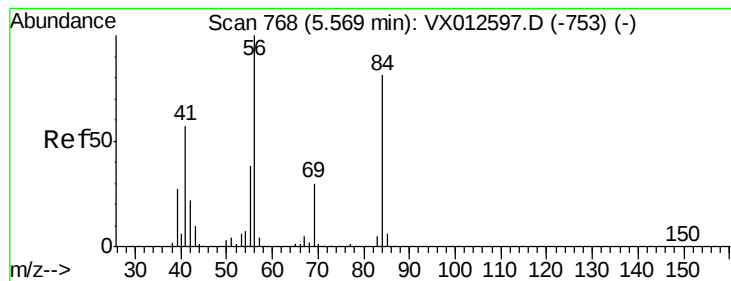
MMDadoda
10/8/2019 2:07:25 PM



#30
Chloroform
Concen: 46.448 ug/l
RT: 5.20 min Scan# 708
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.0	79.4





#31

Cyclohexane

Concen: 42.888 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

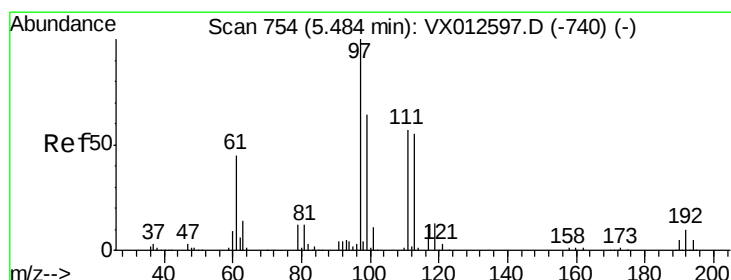
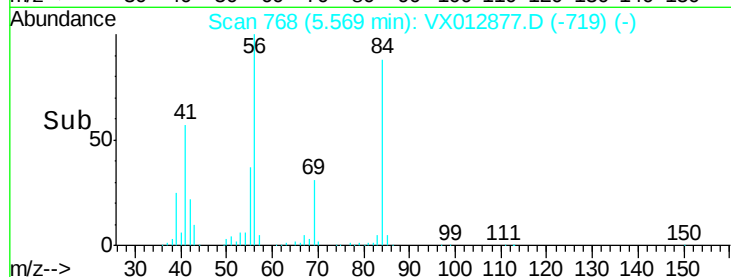
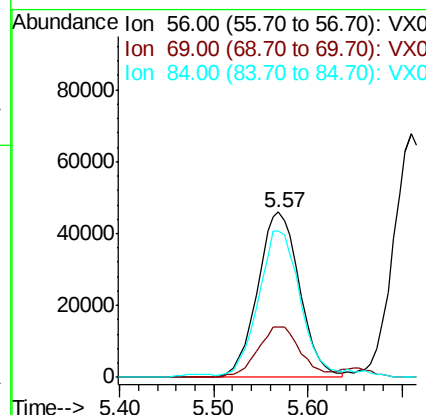
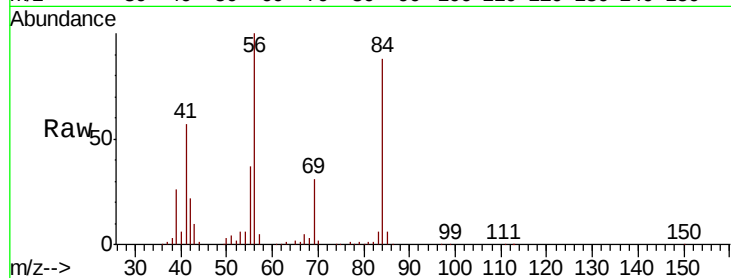
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	56	Resp:	143515
Ion Ratio		Lower	Upper
56	100		
69	30.7	25.0	37.6
84	86.4	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#32

1,1,1-Trichloroethane

Concen: 44.644 ug/l

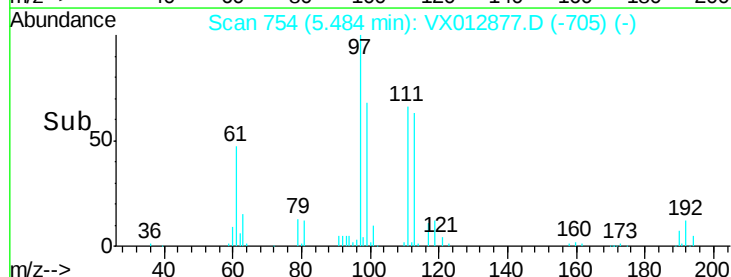
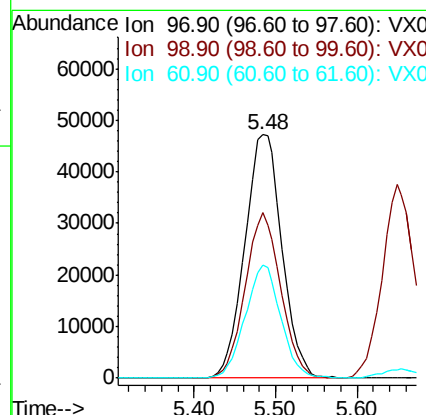
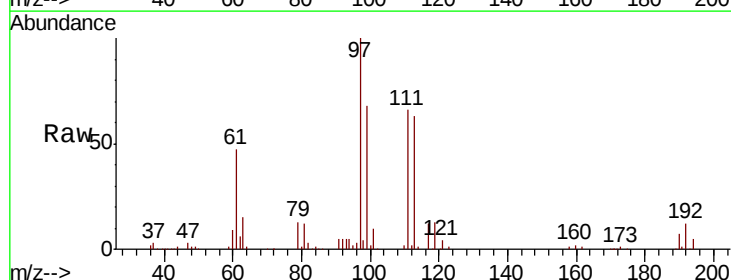
RT: 5.48 min Scan# 754

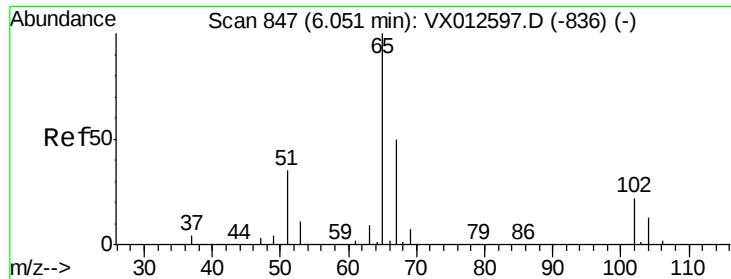
Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	97	Resp:	149731
Ion Ratio		Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.5	36.1	54.1





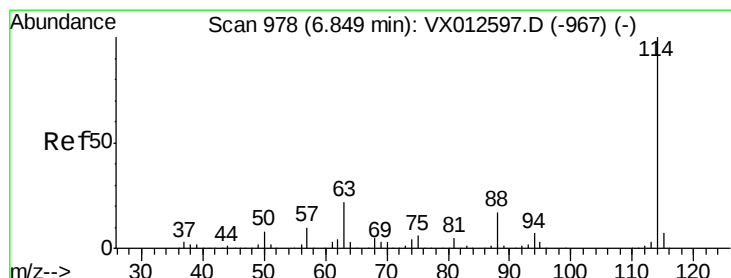
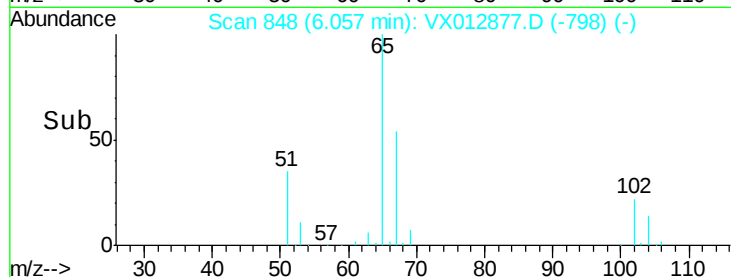
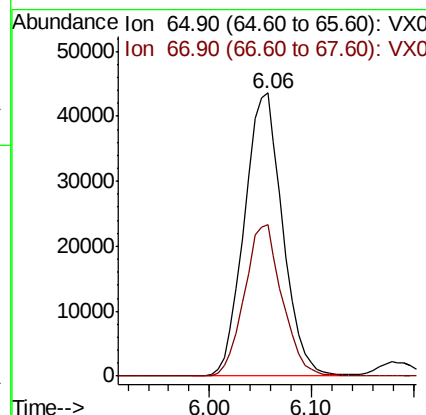
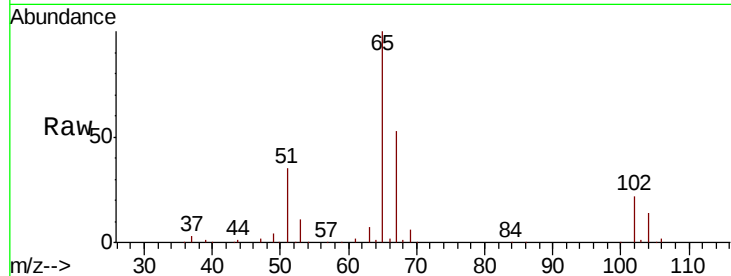
#33
 1,2-Dichloroethane-d4
 Concen: 47.333 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113789		
67	52.8	0.0	101.2	

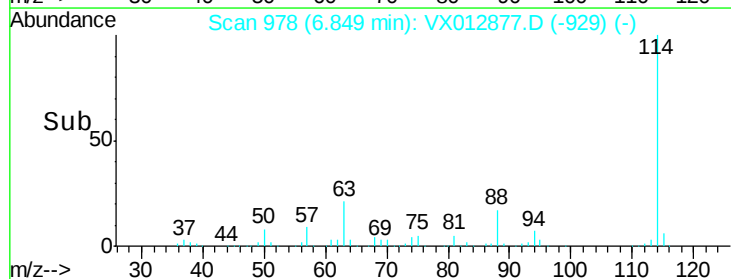
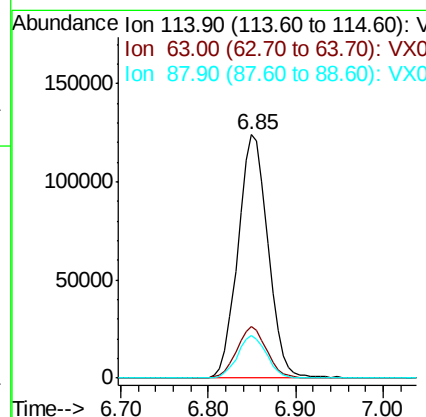
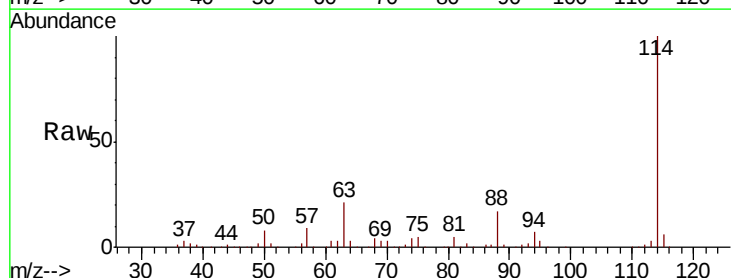
Manual Integrations
 APPROVED

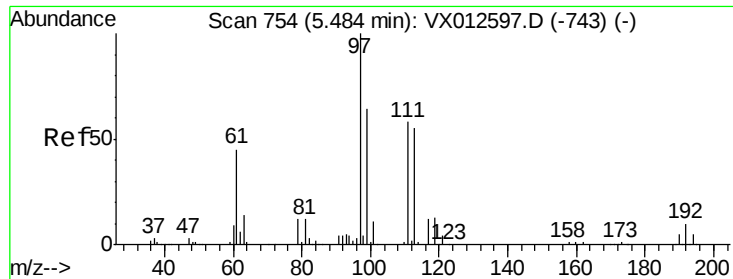
MMDadoda
 10/8/2019 2:07:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	296431		
63	21.1	0.0	43.2	
88	17.5	0.0	33.2	





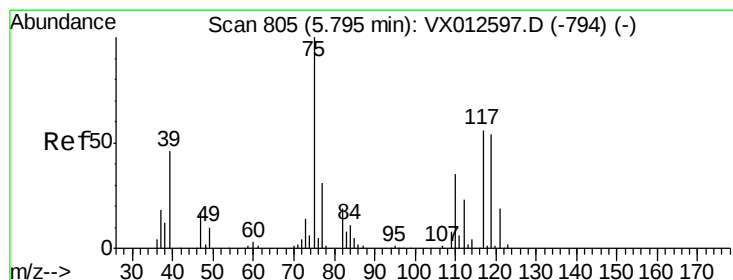
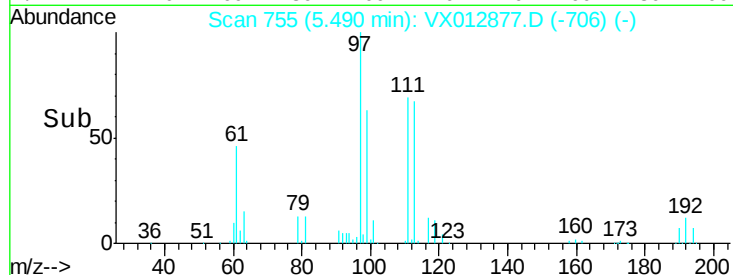
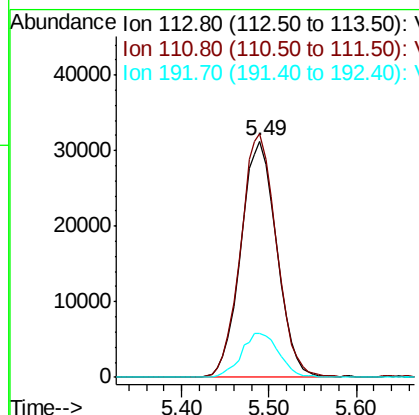
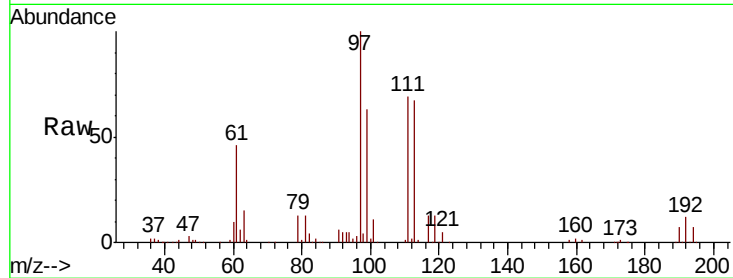
#35
 Dibromofluoromethane
 Concen: 50.582 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89297		
111	103.0	83.4	125.2	
192	19.5	14.4	21.6	

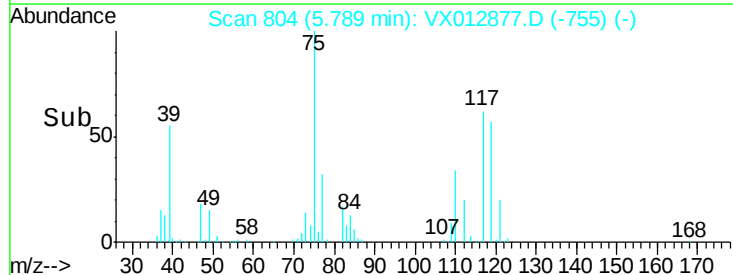
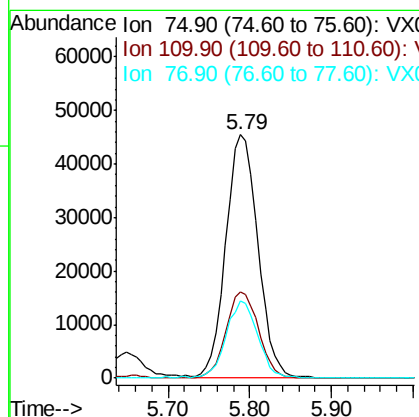
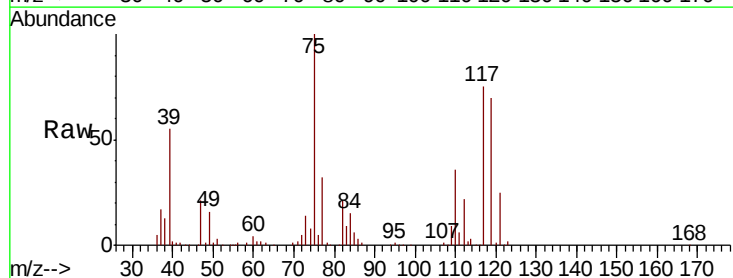
Manual Integrations
 APPROVED

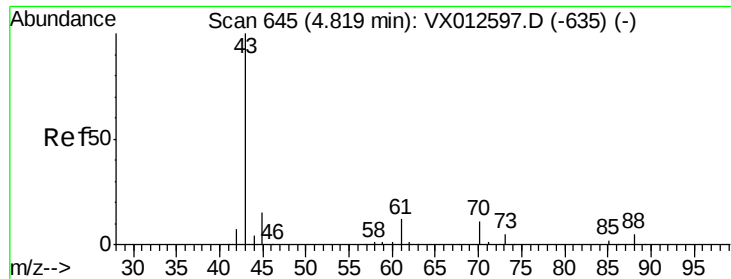
MMDadoda
 10/8/2019 2:07:25 PM



#36
 1,1-Dichloropropene
 Concen: 43.400 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124006		
110	35.7	16.7	50.0	
77	31.2	24.2	36.2	





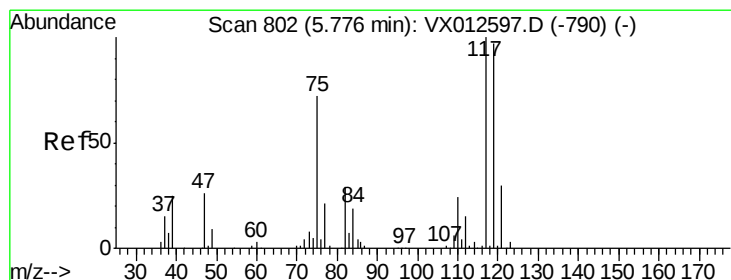
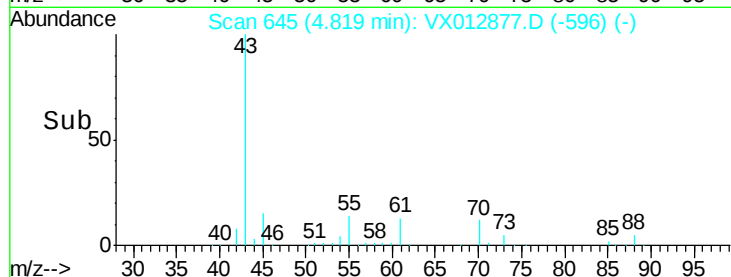
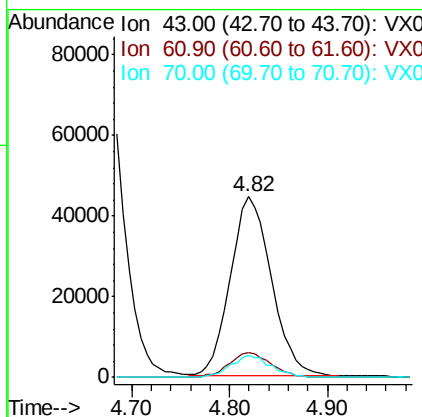
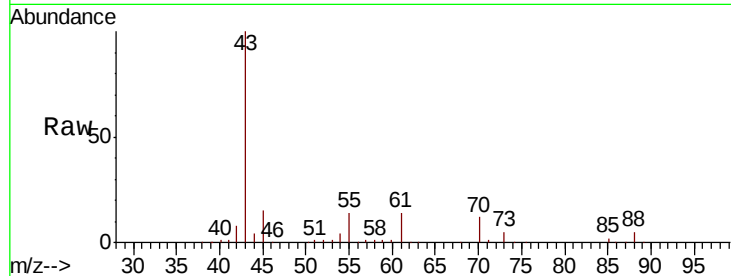
#37
Ethyl Acetate
Concen: 38.788 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.4
70	11.9	8.7	13.1

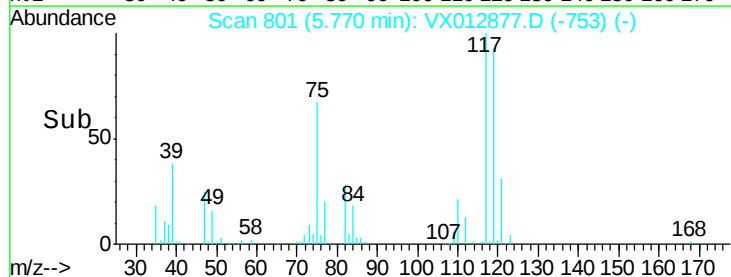
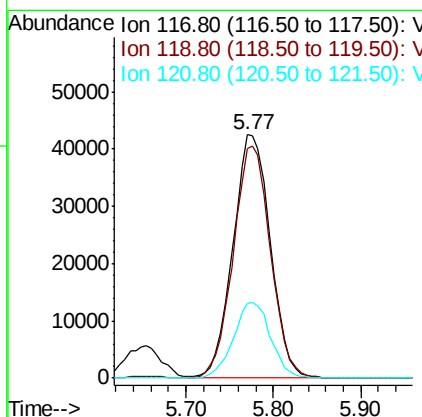
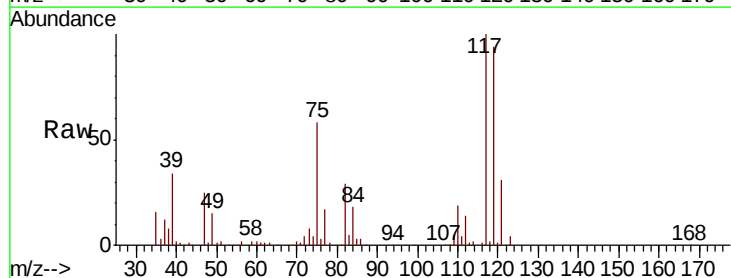
Manual Integrations
APPROVED

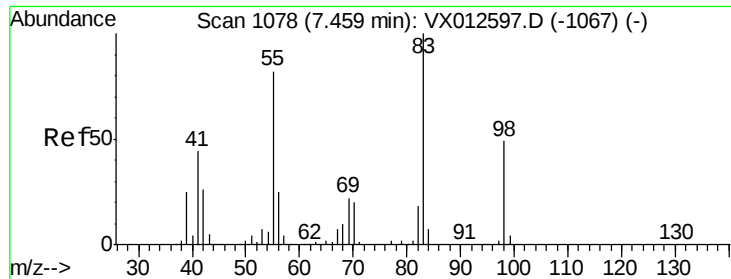
MMDadoda
10/8/2019 2:07:25 PM



#38
Carbon Tetrachloride
Concen: 43.448 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.7	113.5
121	30.9	24.2	36.4





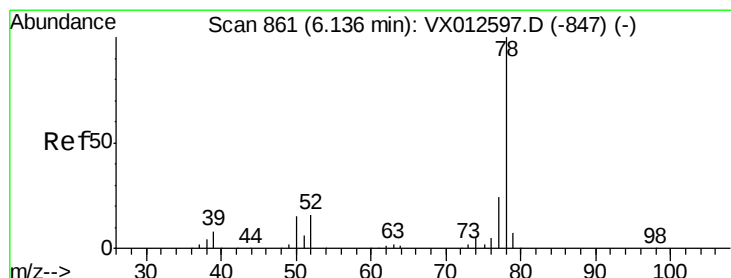
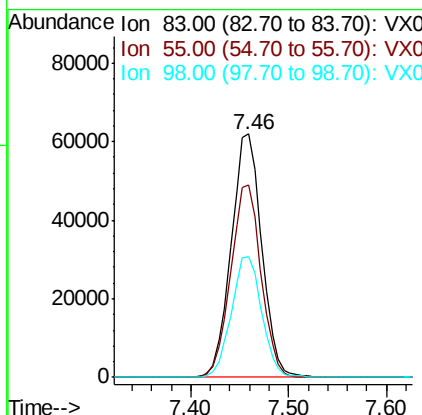
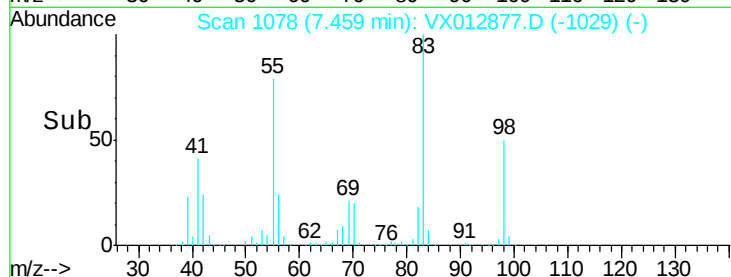
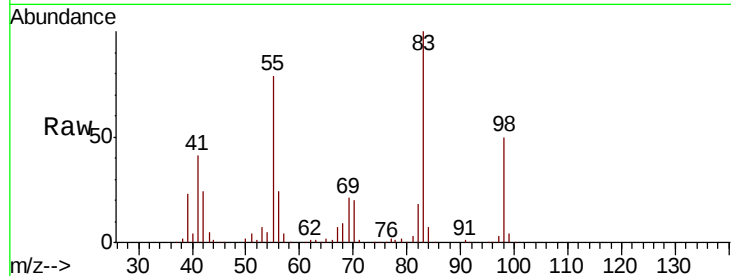
#39
Methvlcvclohexane
Concen: 39.020 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	64.4	96.6
98	49.5	40.1	60.1

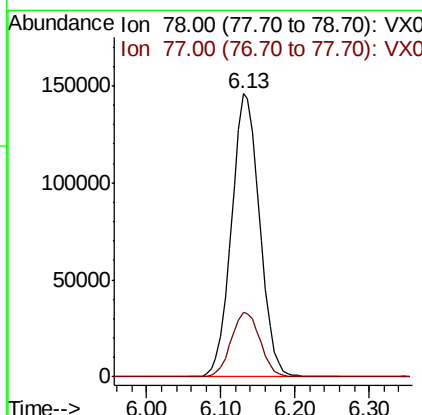
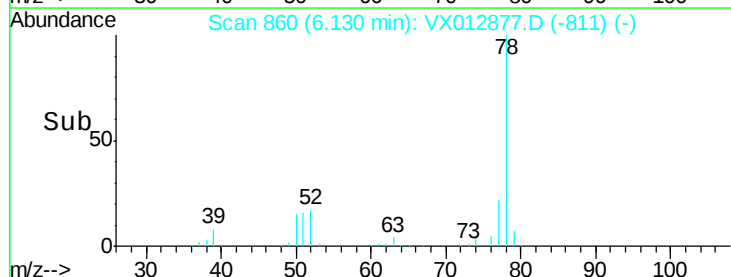
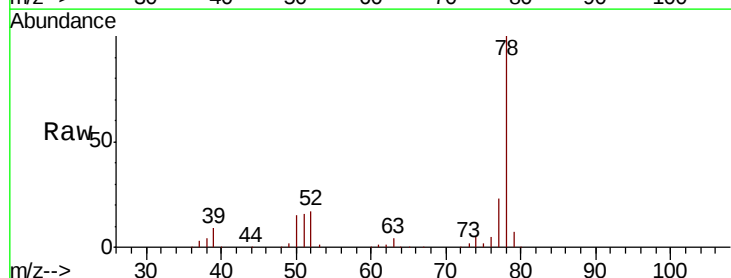
Manual Integrations
APPROVED

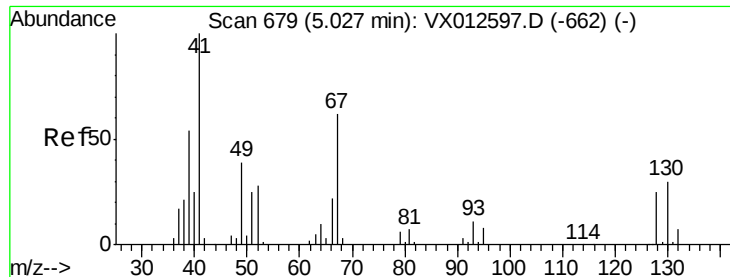
MMDadoda
10/8/2019 2:07:25 PM



#40
Benzene
Concen: 46.038 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





#41

Methacrylonitrile

Concen: 45.060 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 41 Resp: 84452

Ion Ratio Lower Upper

41 100

39 56.0 46.0 69.0

67 72.9 52.2 78.2

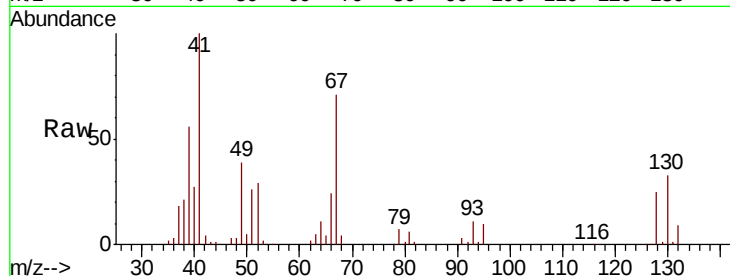
52 29.6 22.7 34.1

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM

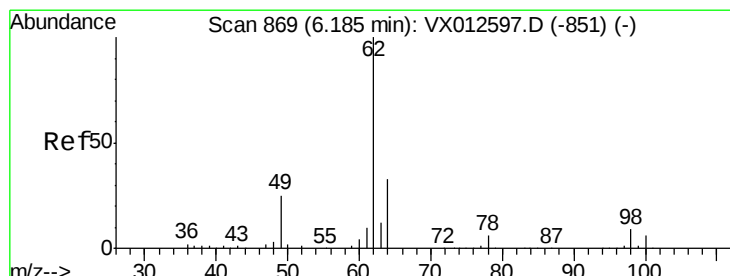
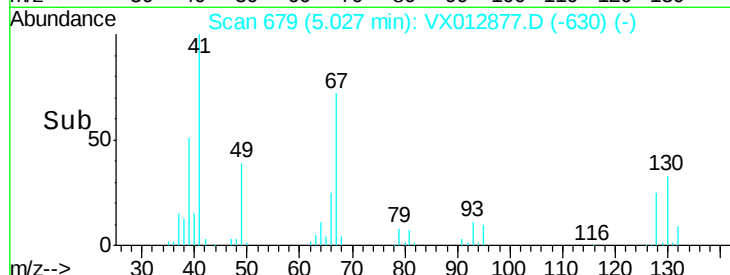
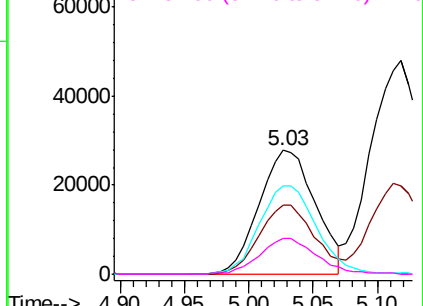


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 44.794 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX012877.D

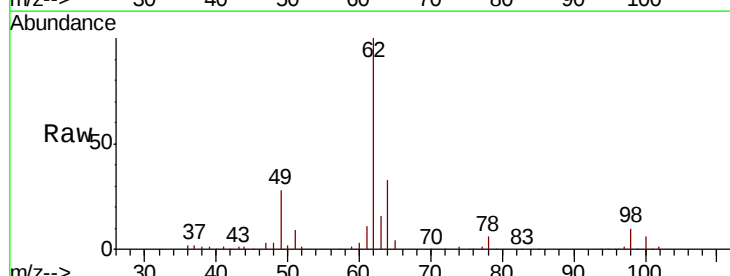
Acq: 08 Oct 2019 07:32

Tgt Ion: 62 Resp: 143003

Ion Ratio Lower Upper

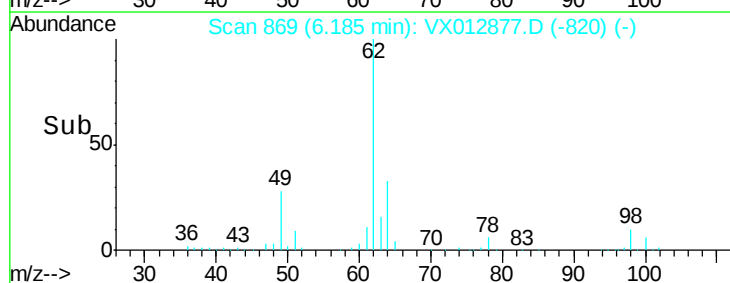
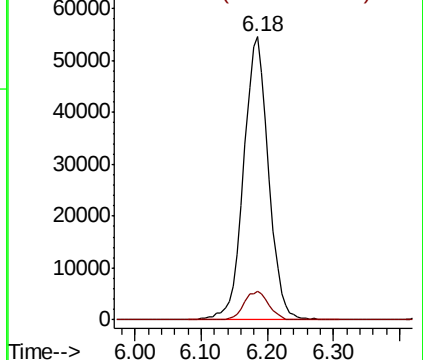
62 100

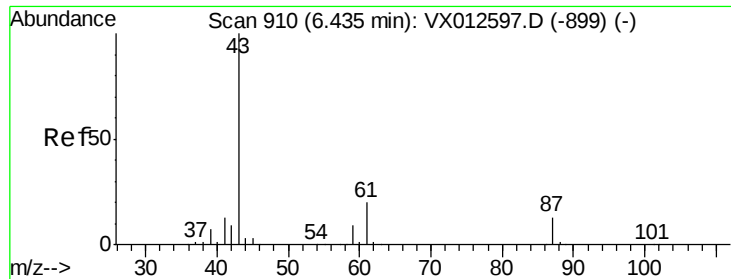
98 10.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

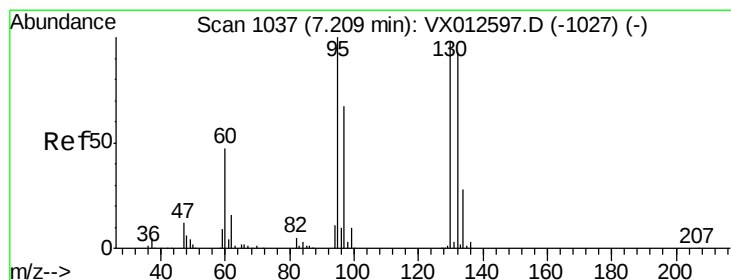
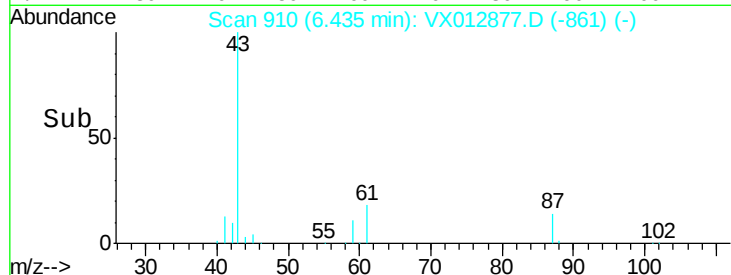
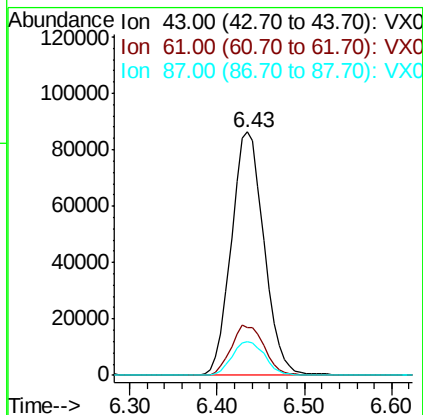
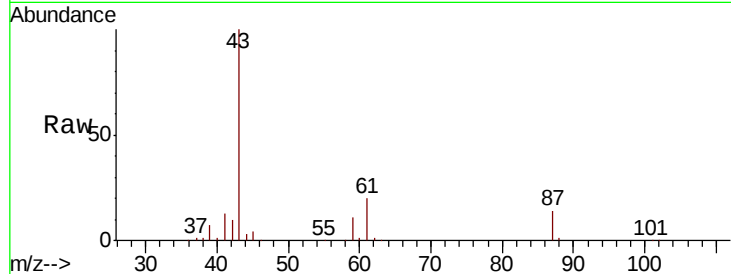
Isopropyl Acetate
 Concen: 40.003 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.4	23.0
87	13.9	9.8	14.8

Manual Integrations
 APPROVED

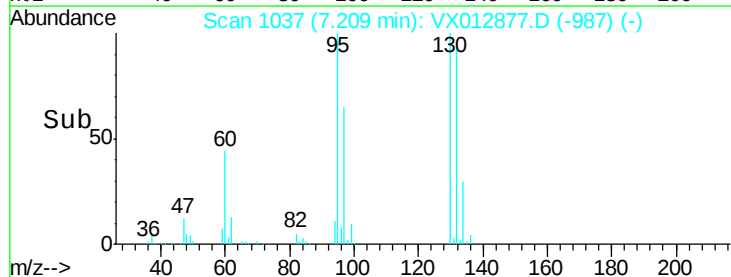
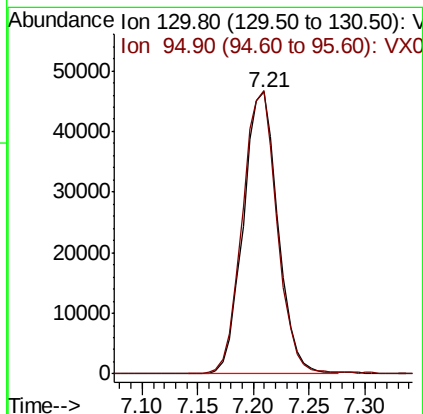
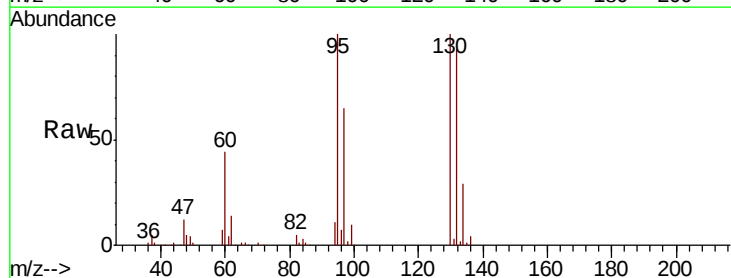
MMDadoda
 10/8/2019 2:07:25 PM

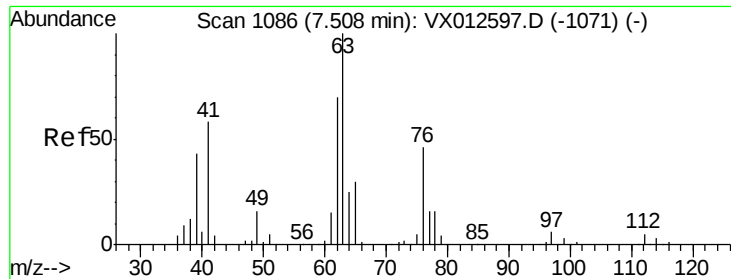


#44

Trichloroethene
 Concen: 46.776 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	193.0





#45

1,2-Dichloropropane

Concen: 47.429 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 63 Resp: 102085

Ion Ratio Lower Upper

63 100

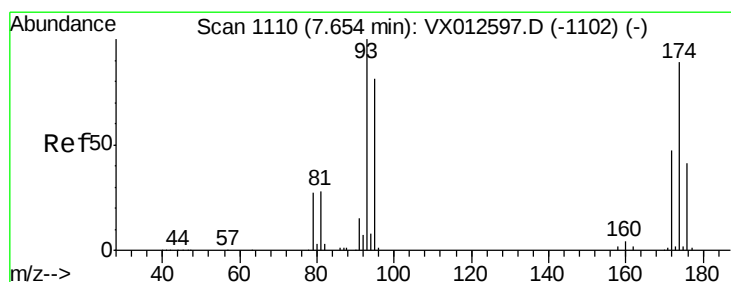
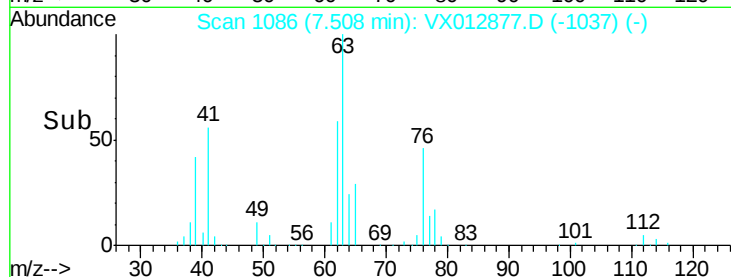
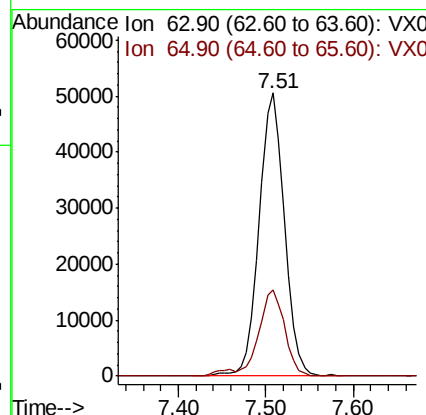
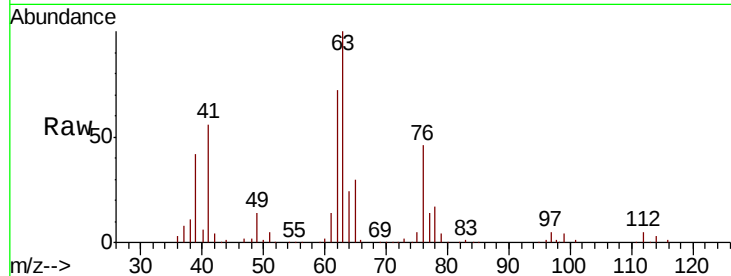
65 30.3 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#46

Dibromomethane

Concen: 46.069 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

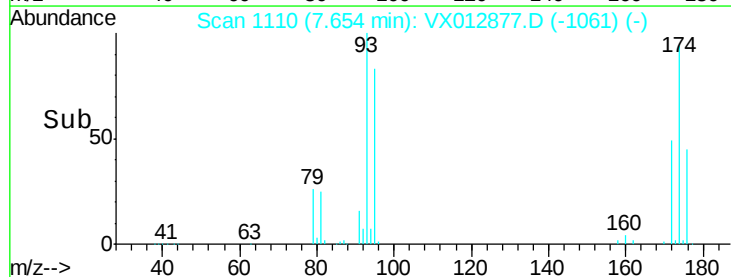
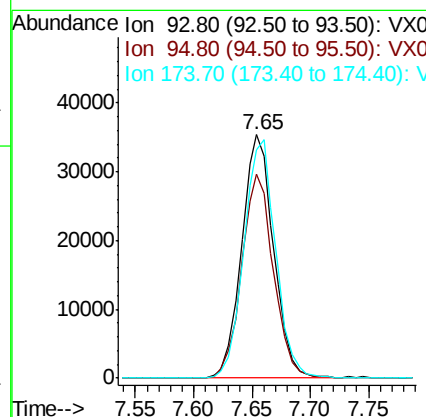
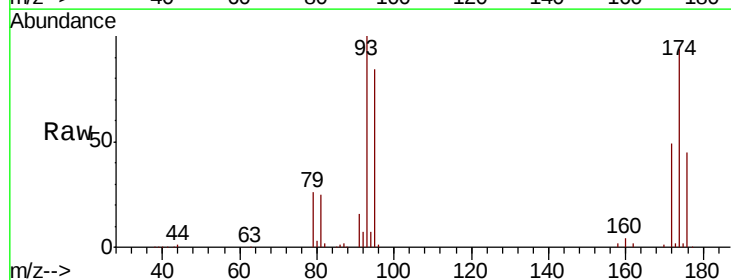
Tgt Ion: 93 Resp: 67512

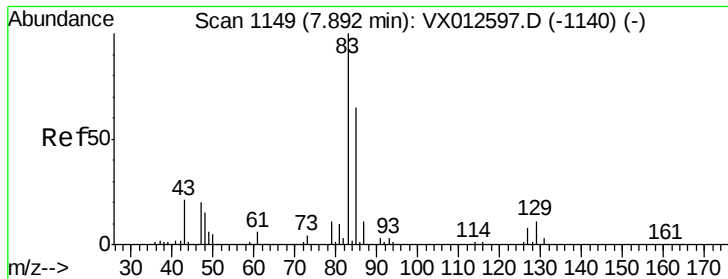
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 97.8 77.4 116.0





#47

Bromodichloromethane

Concen: 46.287 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

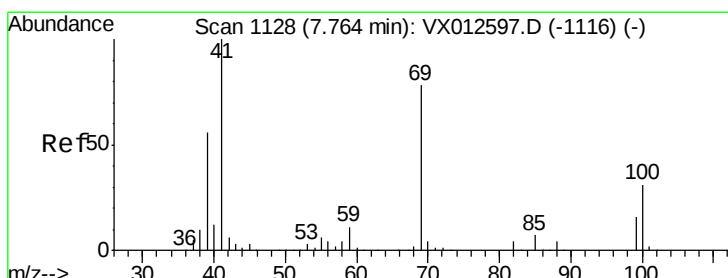
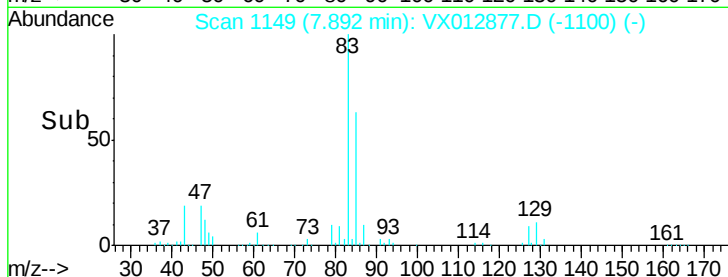
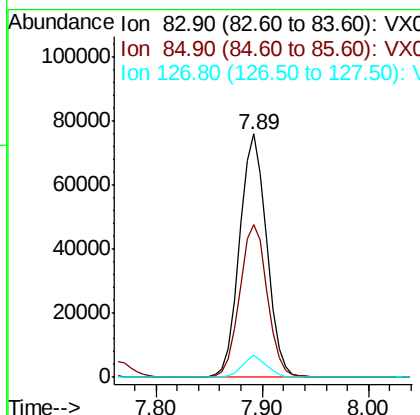
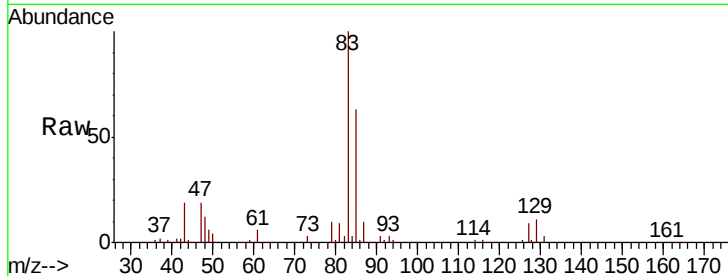
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	83	Resp:	135570
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6
127	8.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#48

Methyl methacrylate

Concen: 44.642 ug/l

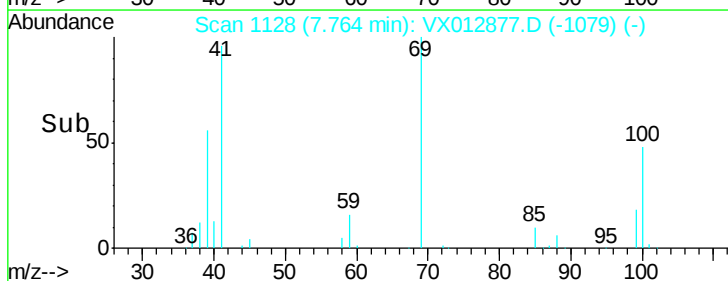
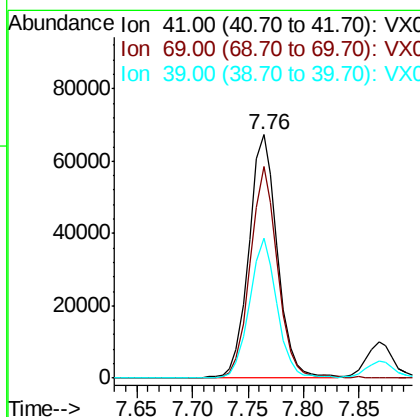
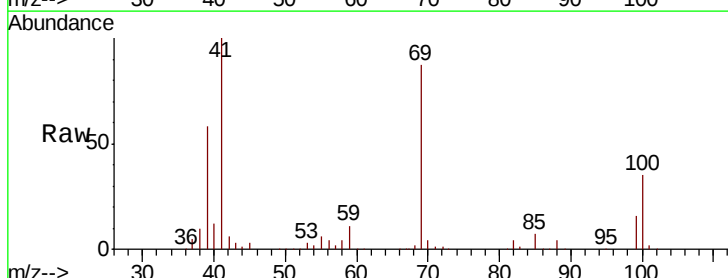
RT: 7.76 min Scan# 1128

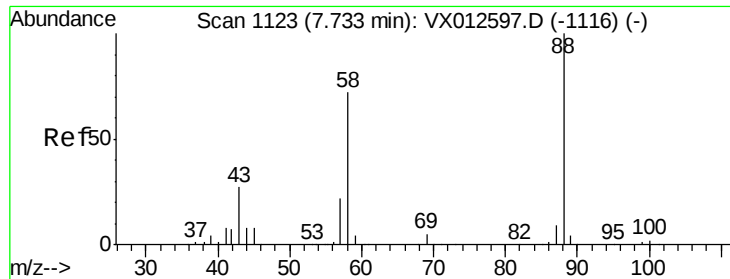
Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	41	Resp:	119579
Ion	Ratio	Lower	Upper
41	100		
69	84.0	59.9	89.9
39	55.7	47.8	71.6





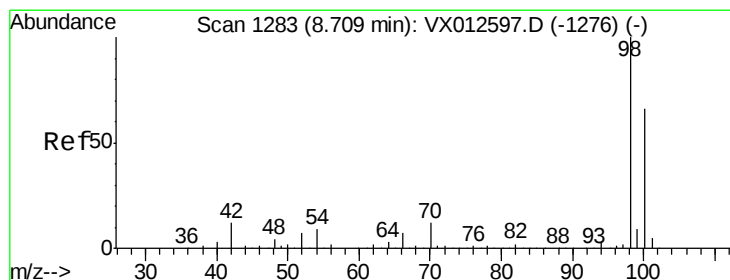
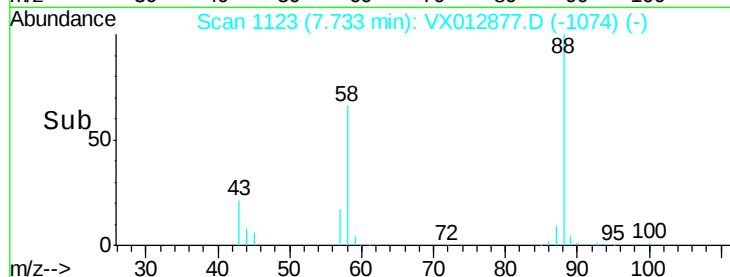
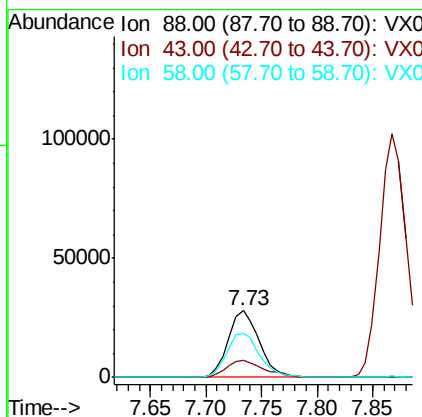
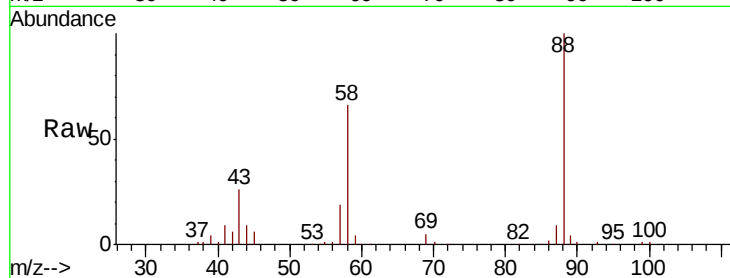
#49
1,4-Dioxane
Concen: 897.025 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.4	44.0
58	70.4	57.5	86.3

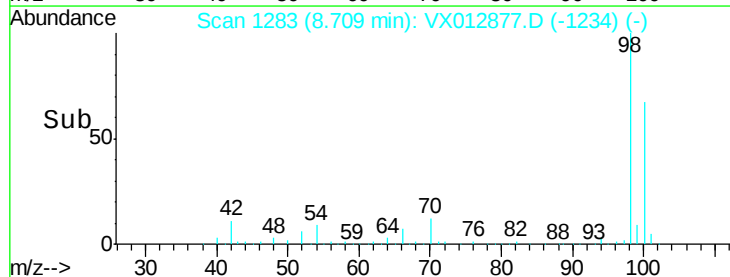
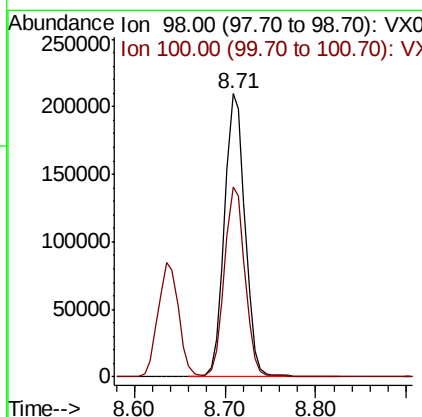
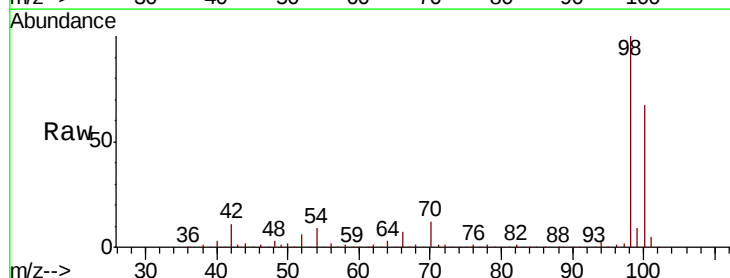
Manual Integrations
APPROVED

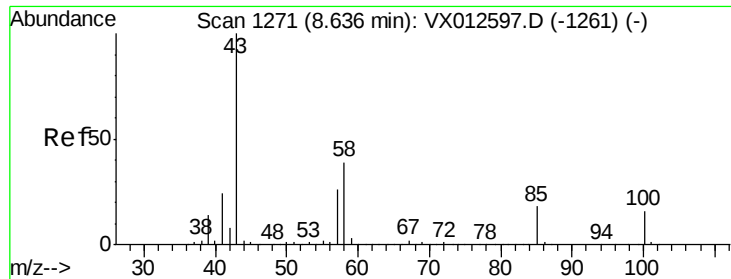
MMDadoda
10/8/2019 2:07:25 PM



#50
Toluene-d8
Concen: 48.579 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 227.092 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 43 Resp: 783085

Ion Ratio Lower Upper

43 100

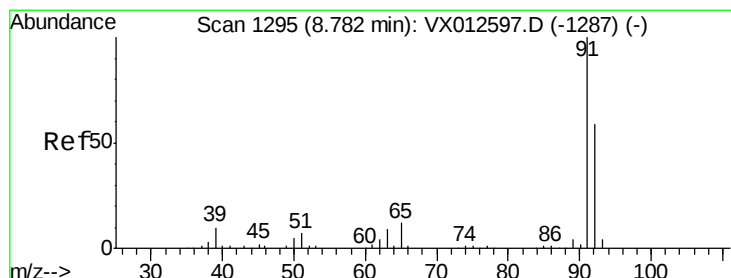
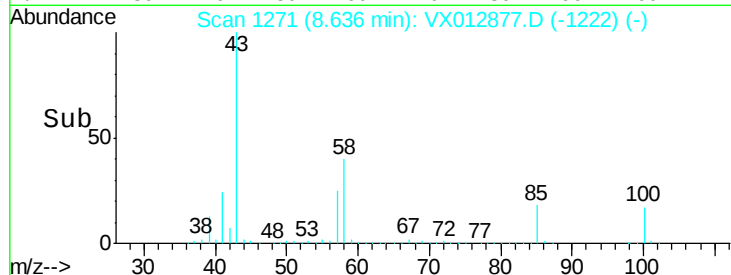
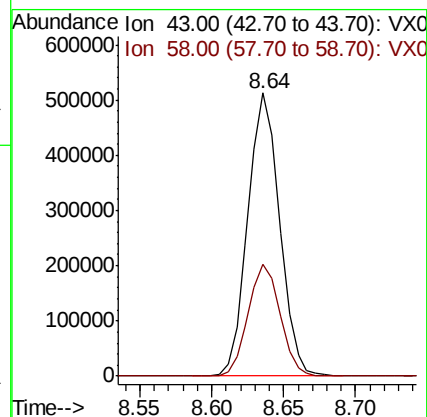
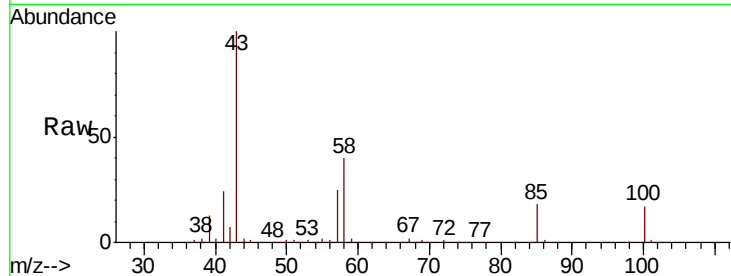
58 39.8 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#52

Toluene

Concen: 46.053 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012877.D

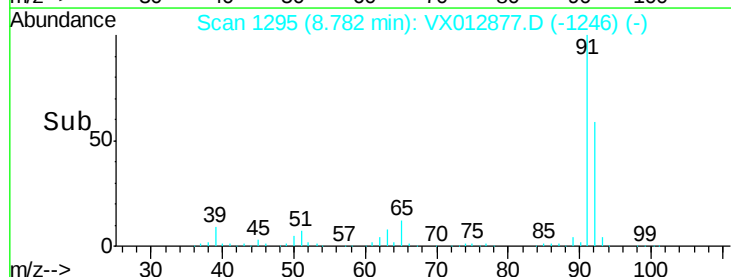
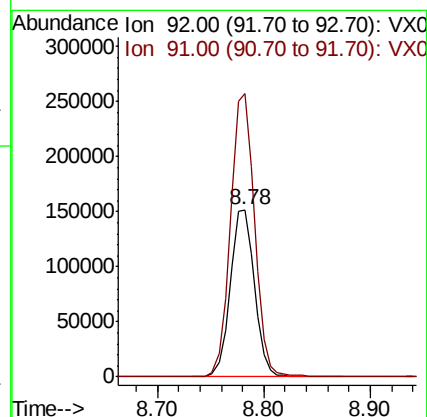
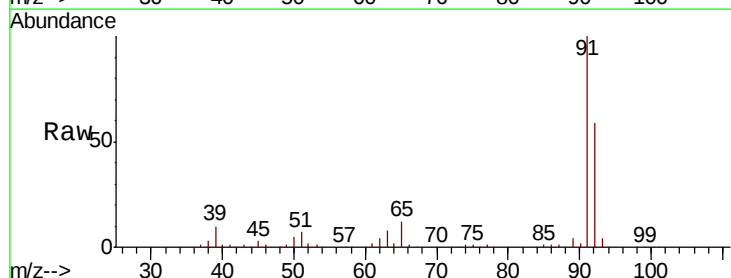
Acq: 08 Oct 2019 07:32

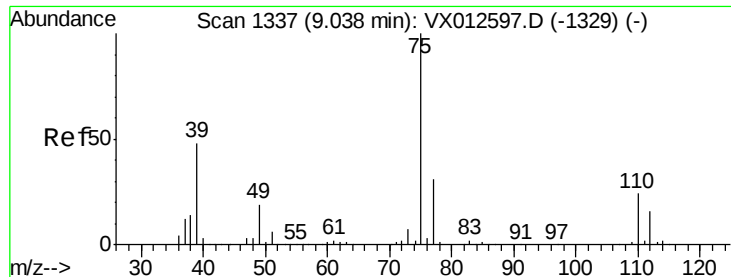
Tgt Ion: 92 Resp: 243338

Ion Ratio Lower Upper

92 100

91 167.7 135.4 203.0





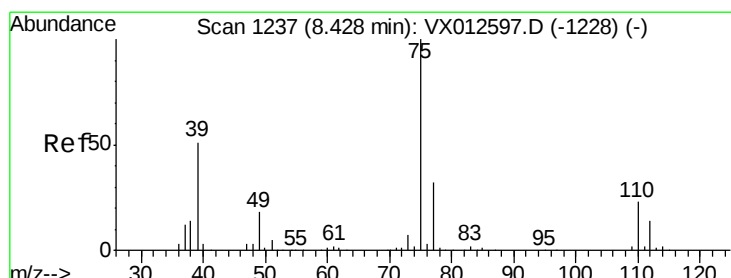
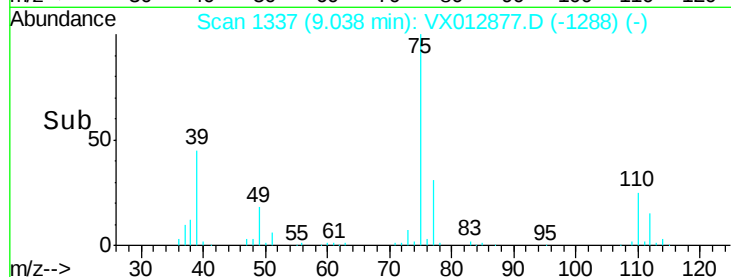
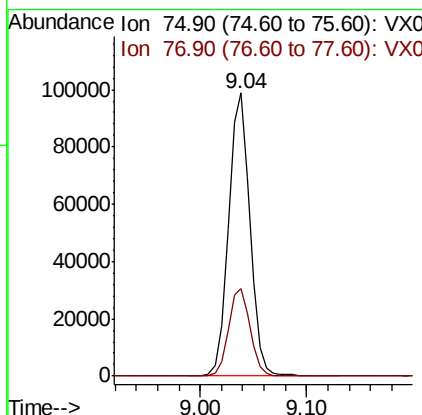
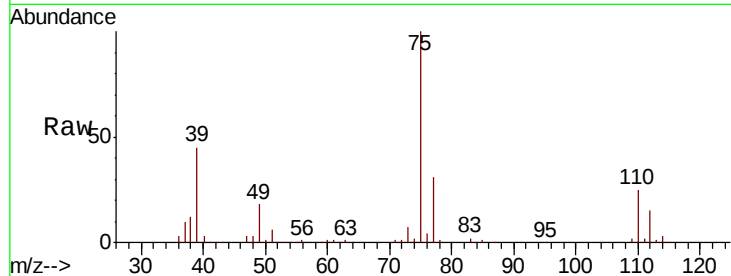
#53
t-1,3-Dichloropropene
Concen: 42.832 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion: 75 Resp: 138800
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

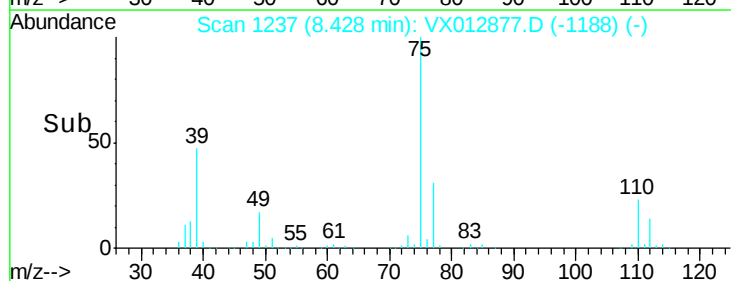
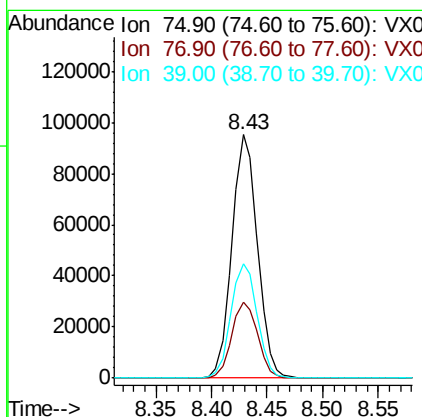
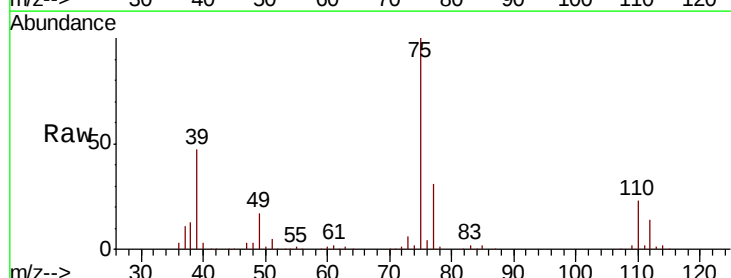
Manual Integrations
APPROVED

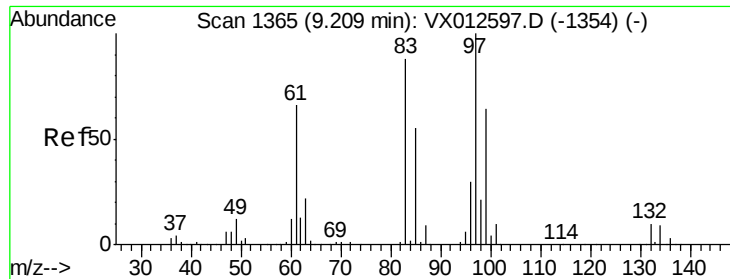
MMDadoda
10/8/2019 2:07:25 PM



#54
cis-1,3-Dichloropropene
Concen: 42.723 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion: 75 Resp: 151162
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 46.7 45.5 68.3





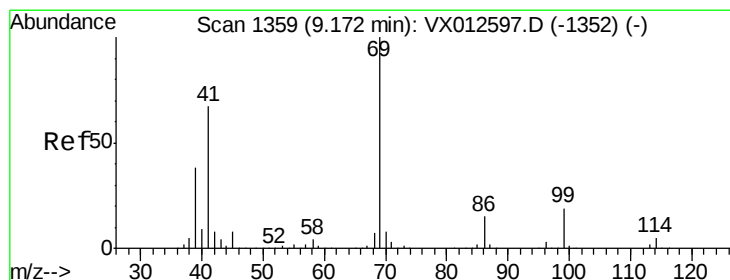
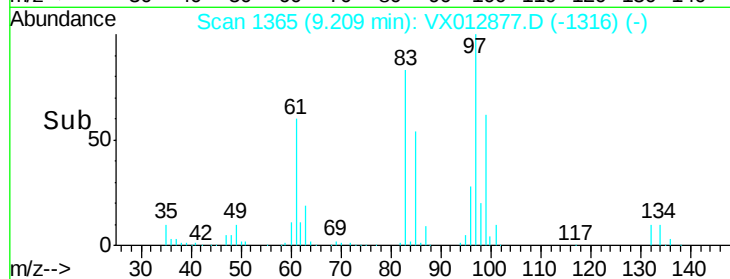
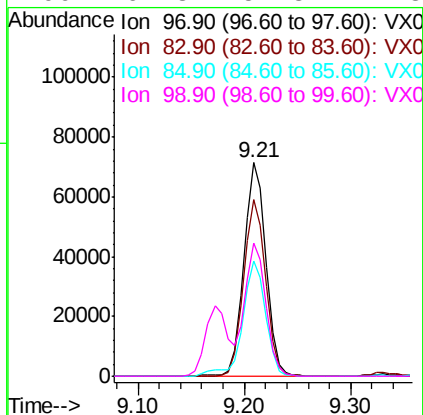
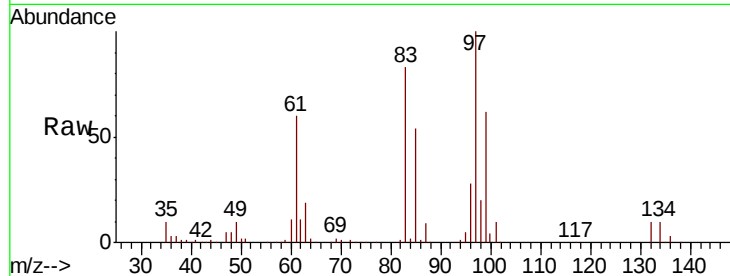
#55
 1,1,2-Trichloroethane
 Concen: 49.367 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion:	97	Resp:	103704
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.4	101.2
85	53.7	43.5	65.3
99	62.3	51.8	77.8

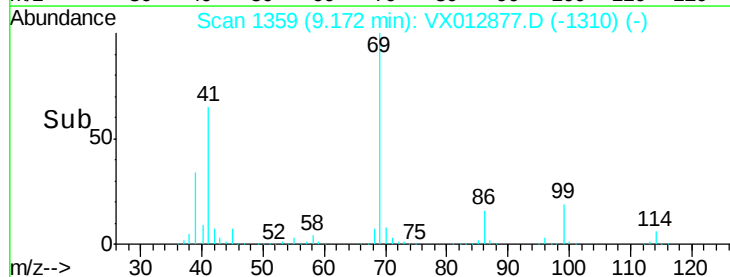
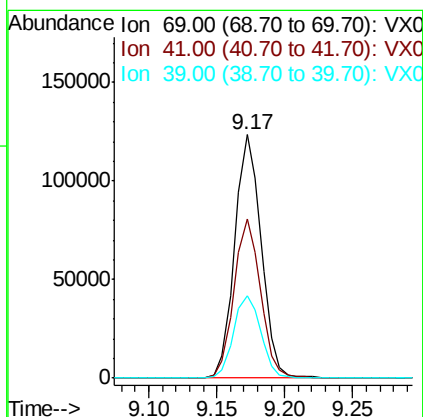
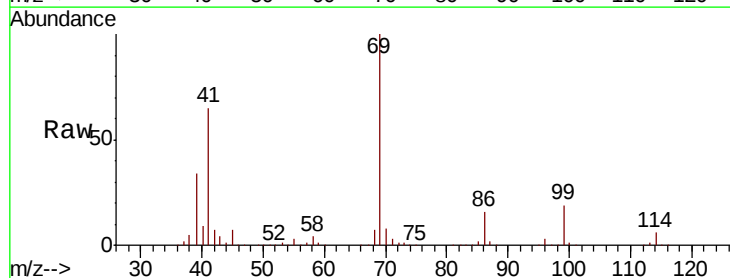
Manual Integrations
 APPROVED

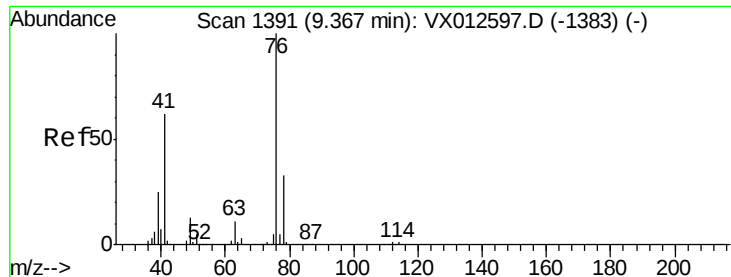
MMDadoda
 10/8/2019 2:07:25 PM



#56
 Ethyl methacrylate
 Concen: 47.610 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion:	69	Resp:	168023
Ion	Ratio	Lower	Upper
69	100		
41	65.6	58.4	87.6
39	35.2	33.4	50.0





#57

1,3-Dichloropropane

Concen: 47.086 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 76 Resp: 173113

Ion Ratio Lower Upper

76 100

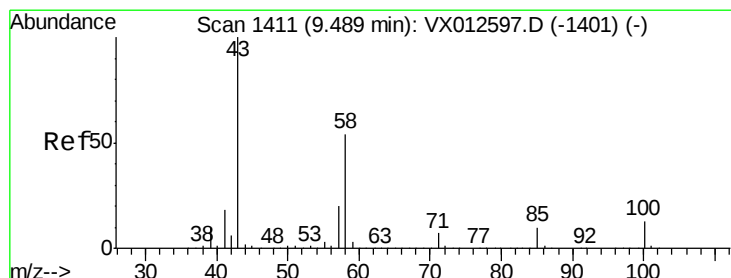
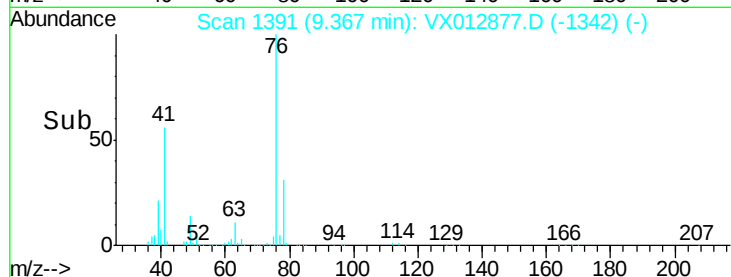
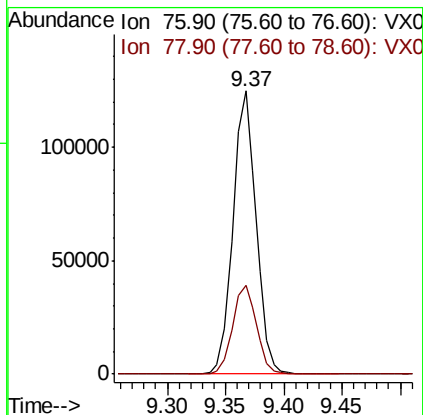
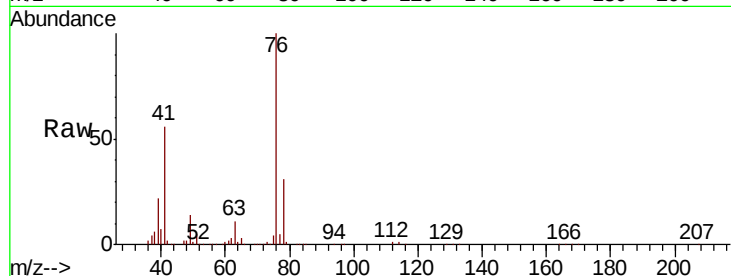
78 32.5 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#59

2-Hexanone

Concen: 228.707 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX012877.D

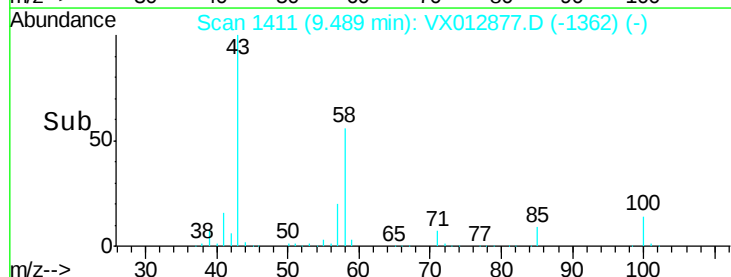
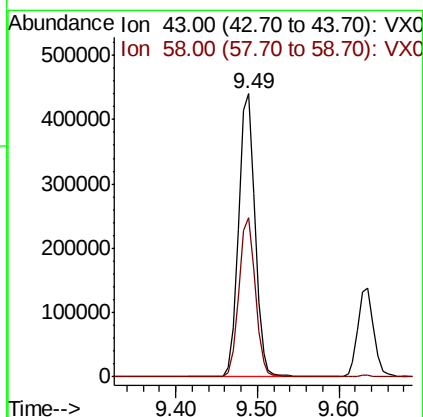
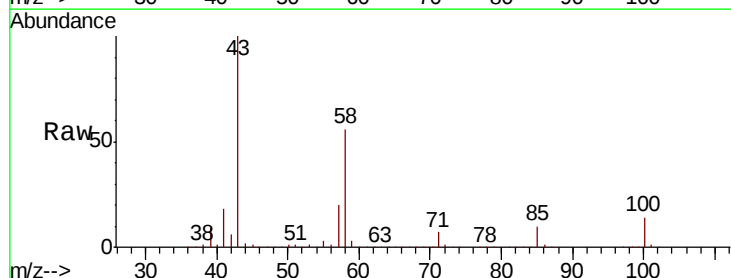
Acq: 08 Oct 2019 07:32

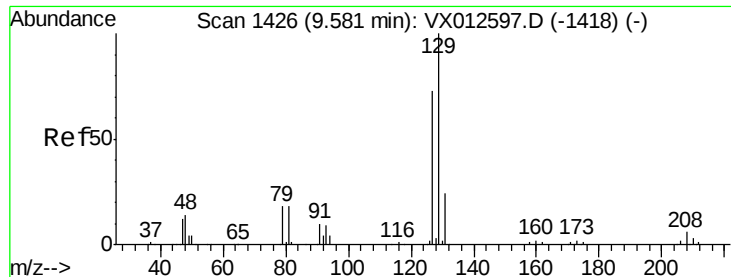
Tgt Ion: 43 Resp: 603666

Ion Ratio Lower Upper

43 100

58 56.1 25.7 77.1





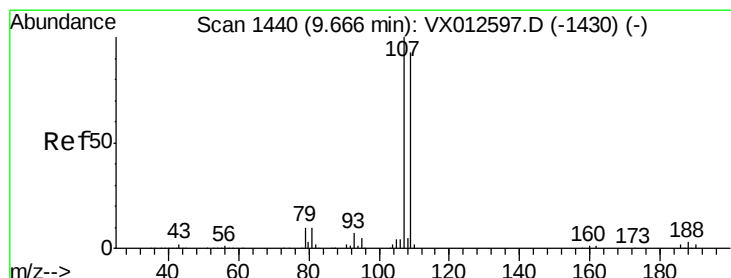
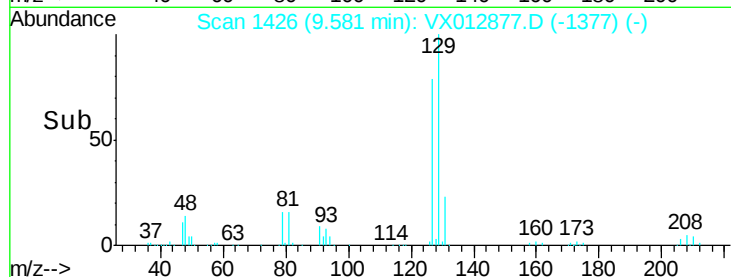
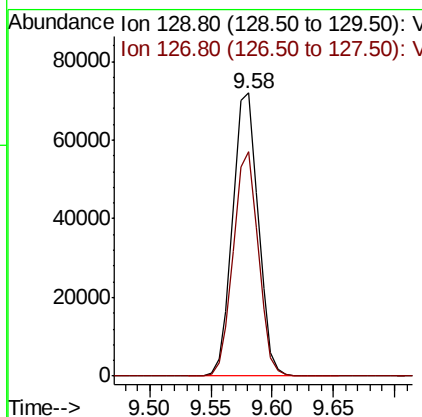
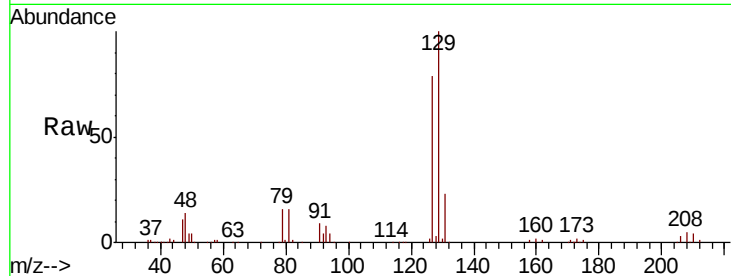
#60
Dibromochloromethane
Concen: 48.937 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.6

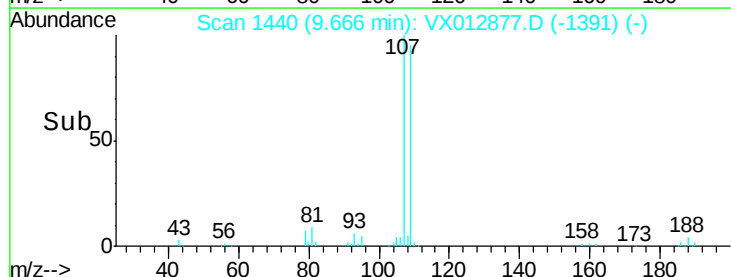
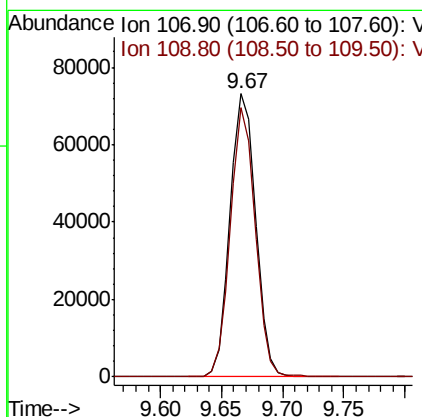
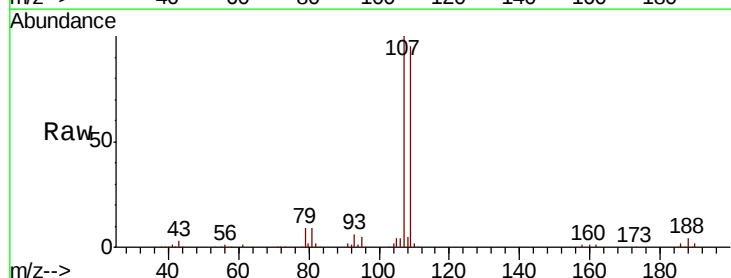
Manual Integrations
APPROVED

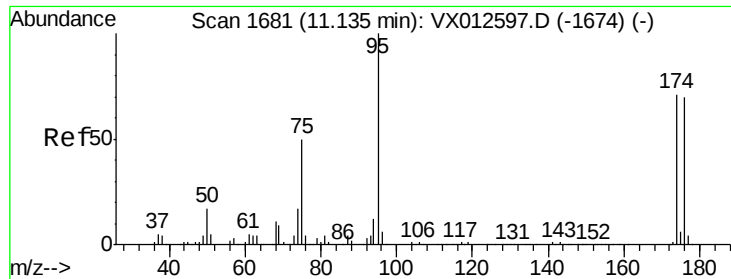
MMDadoda
10/8/2019 2:07:25 PM



#61
1,2-Dibromoethane
Concen: 48.613 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.0	74.7	112.1





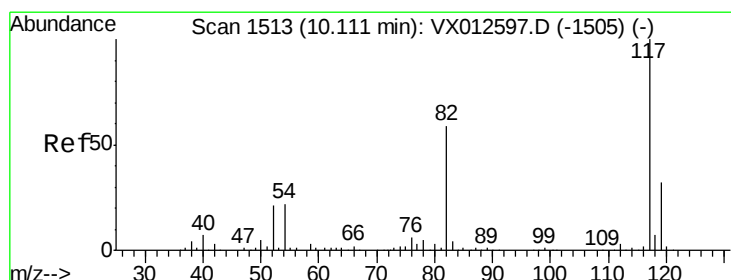
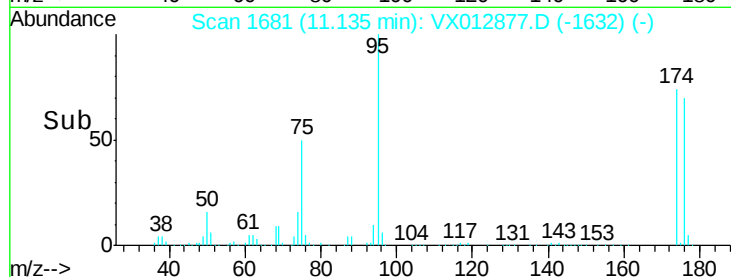
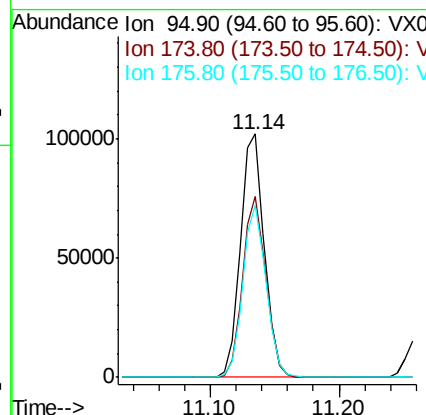
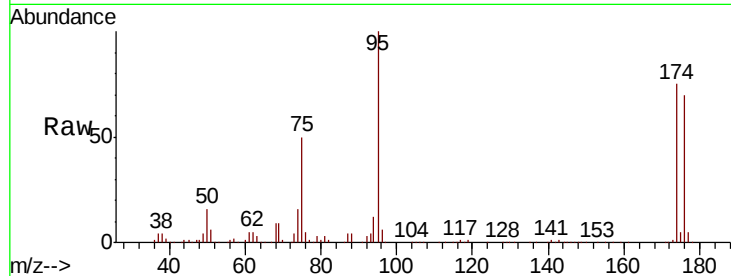
#62
4-Bromofluorobenzene
Concen: 48.921 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	130777		
174	72.5	0.0	140.0	
176	68.8	0.0	135.4	

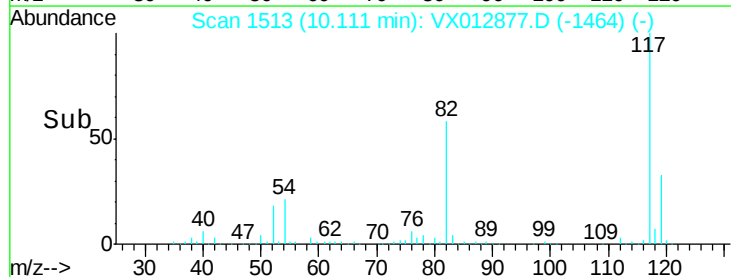
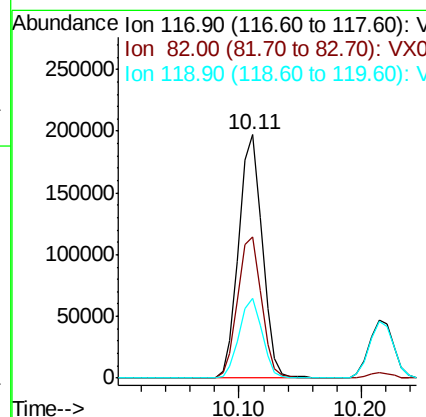
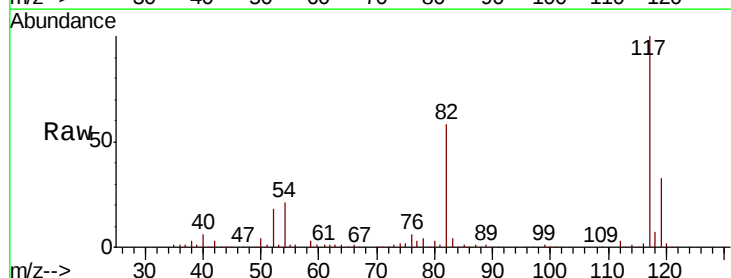
Manual Integrations
APPROVED

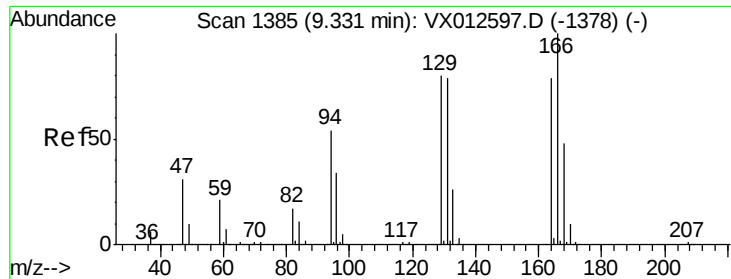
MMDadoda
10/8/2019 2:07:25 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	263018		
82	57.9	45.9	68.9	
119	32.6	25.3	37.9	





#64

Tetrachloroethene

Concen: 43.927 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion:164 Resp: 80554

Ion Ratio Lower Upper

164 100

166 126.1 107.8 161.6

129 96.5 86.2 129.2

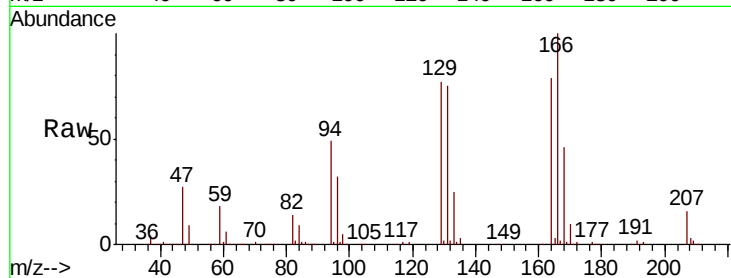
131 95.0 80.4 120.6

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



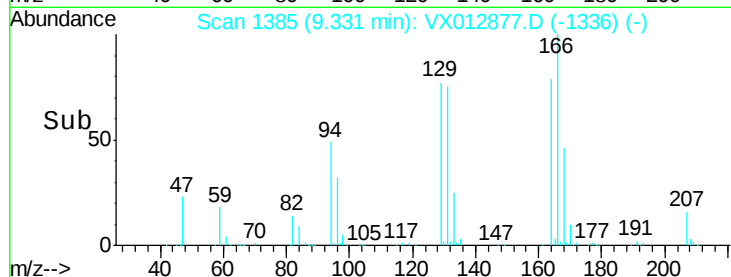
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

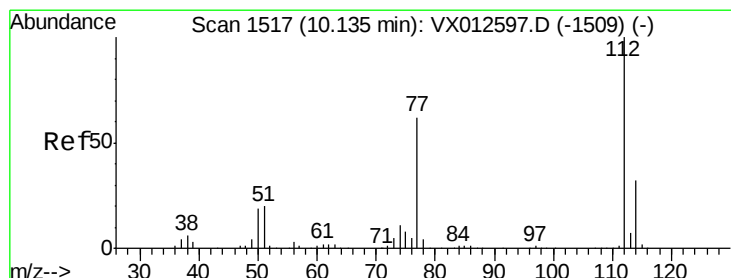
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#65

Chlorobenzene

Concen: 46.669 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012877.D

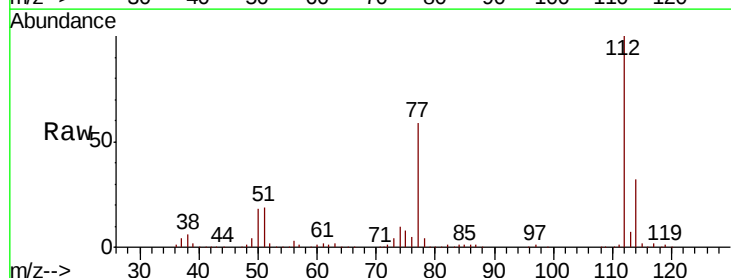
Acq: 08 Oct 2019 07:32

Tgt Ion:112 Resp: 258481

Ion Ratio Lower Upper

112 100

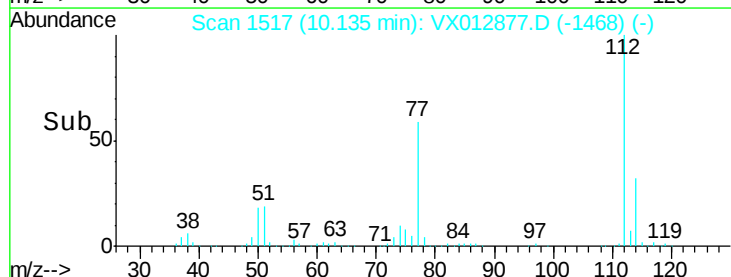
114 32.3 25.4 38.0



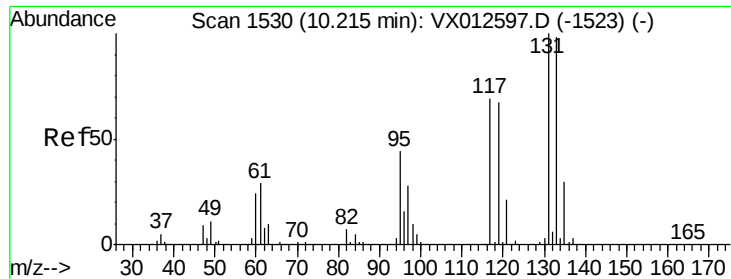
Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->



Time-->



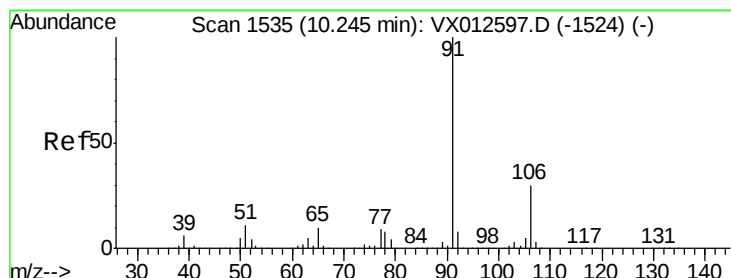
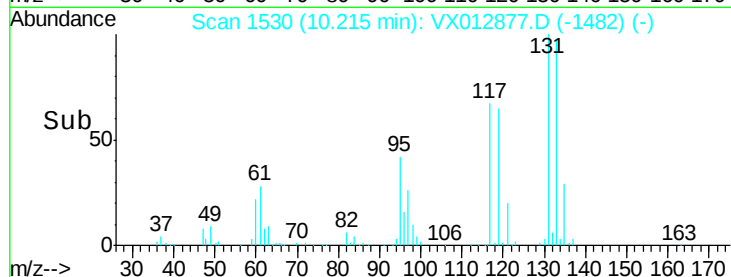
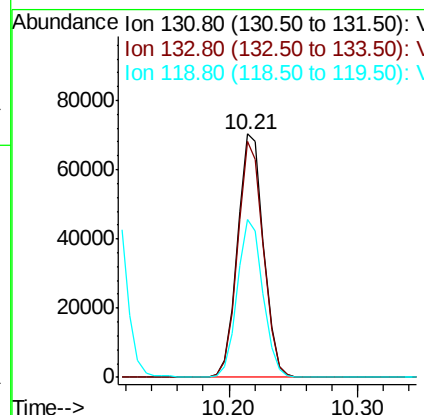
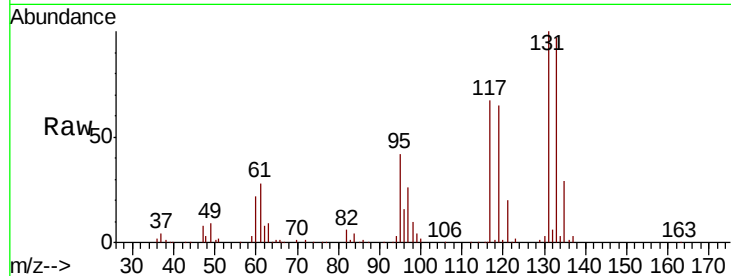
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.197 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	64.0	31.3	93.8

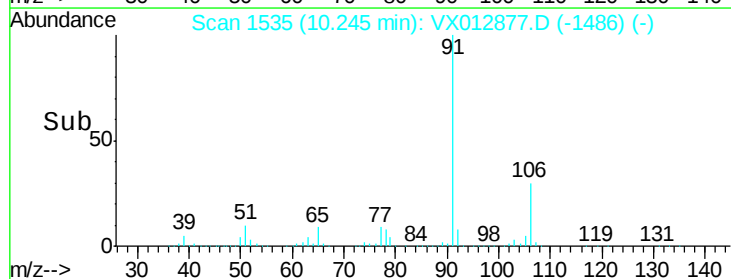
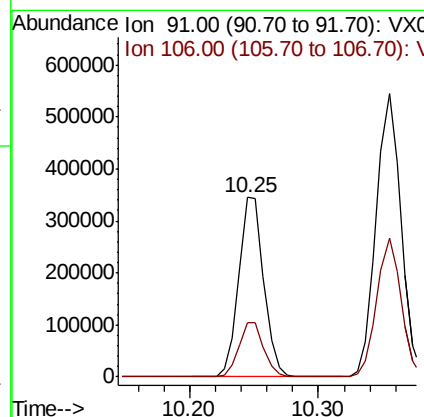
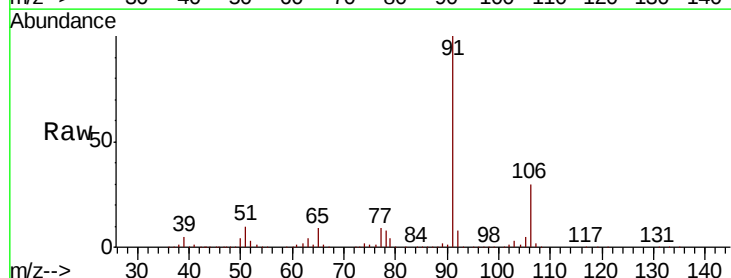
Manual Integrations
 APPROVED

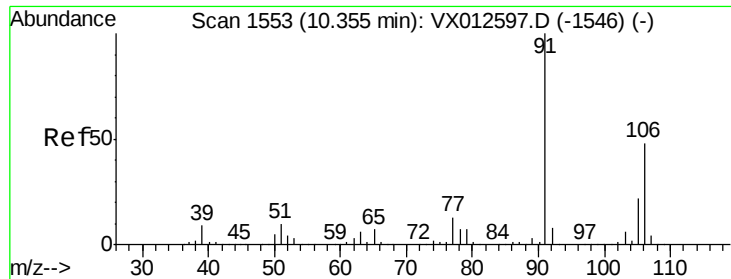
MMDadoda
 10/8/2019 2:07:25 PM



#67
 Ethyl Benzene
 Concen: 46.875 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	37.0





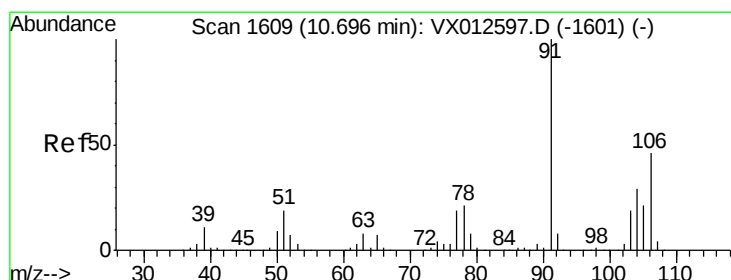
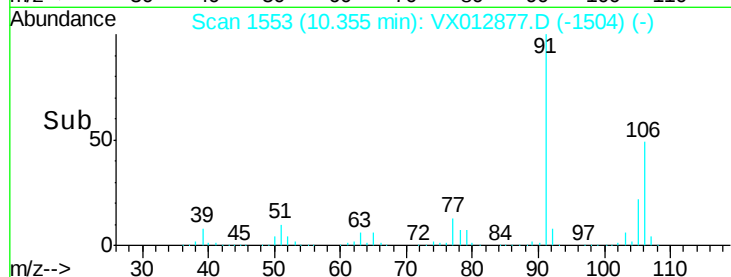
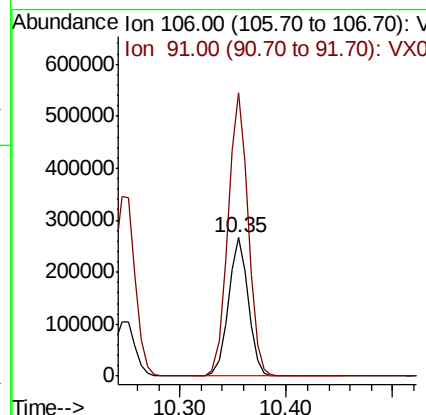
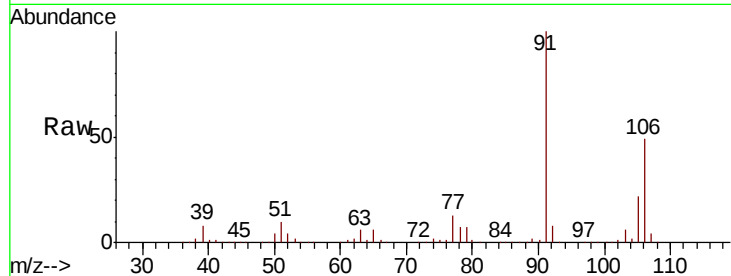
#68
m/p-Xylenes
Concen: 92.377 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion:106 Resp: 347624
Ion Ratio Lower Upper
106 100
91 207.6 166.6 250.0

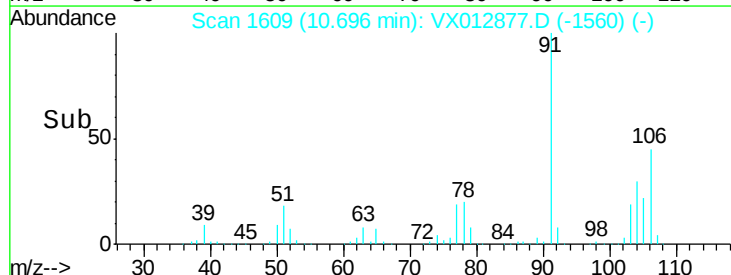
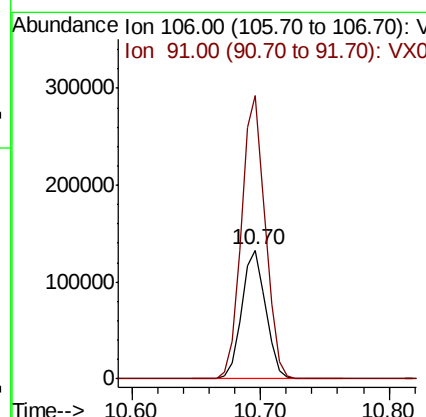
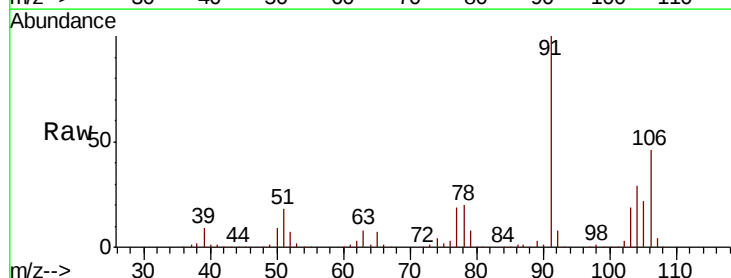
Manual Integrations
APPROVED

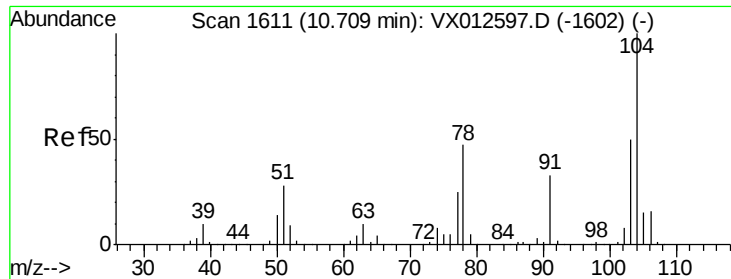
MMDadoda
10/8/2019 2:07:25 PM



#69
o-Xylene
Concen: 46.980 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion:106 Resp: 171067
Ion Ratio Lower Upper
106 100
91 219.0 109.4 328.2





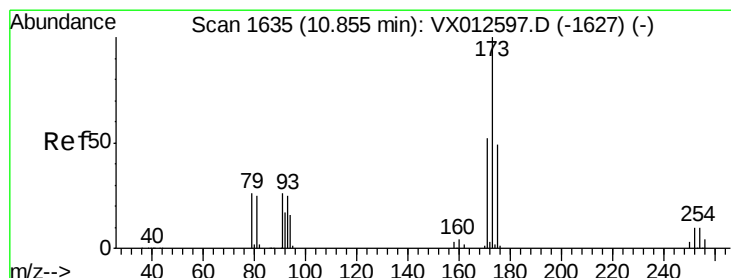
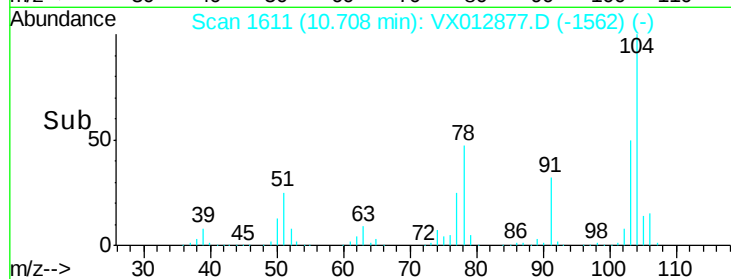
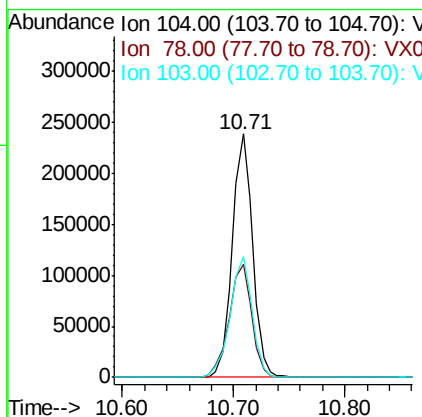
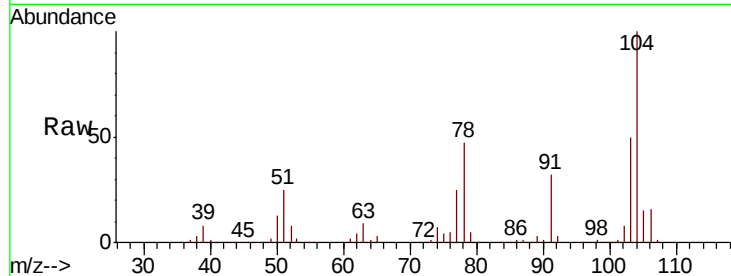
#70
Stvrene
Concen: 49.412 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	301626		
78	51.9		43.4	65.2
103	53.7		43.3	64.9

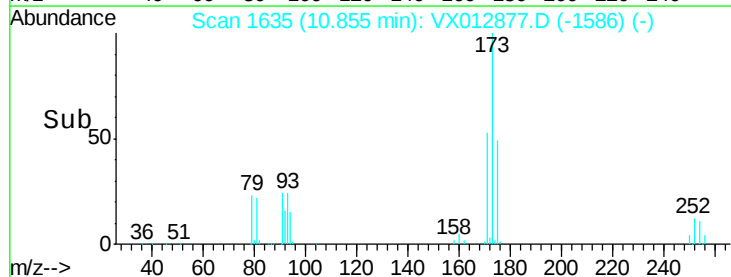
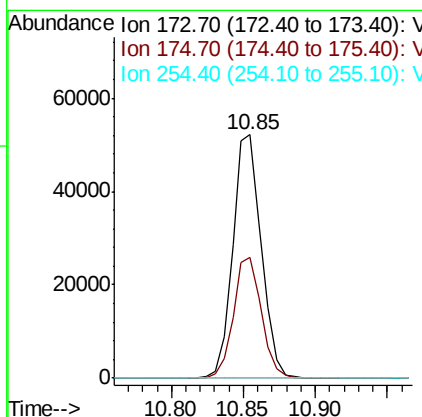
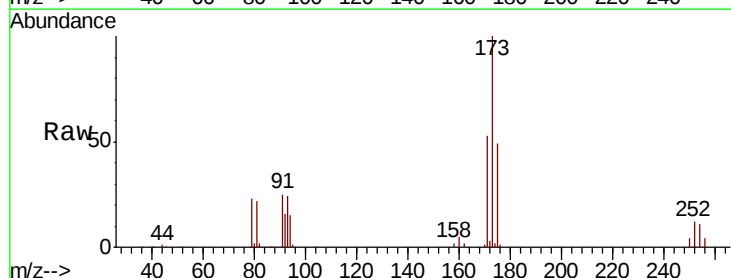
Manual Integrations
APPROVED

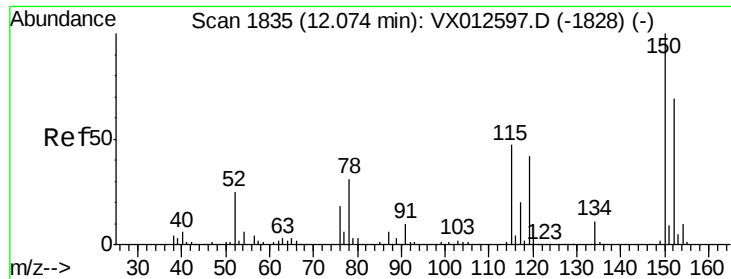
MMDadoda
10/8/2019 2:07:25 PM



#71
Bromoform
Concen: 51.379 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	71793		
175	48.7		23.7	71.1
254	0.2		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: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion:152 Resp: 125683

Ion Ratio Lower Upper

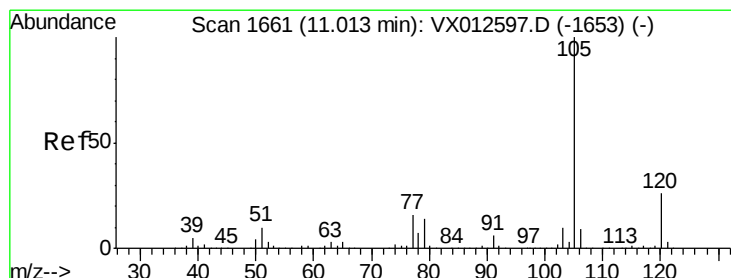
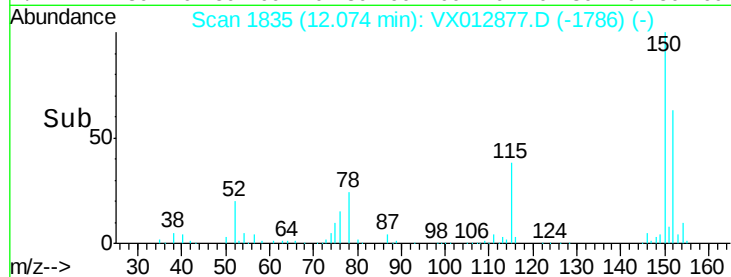
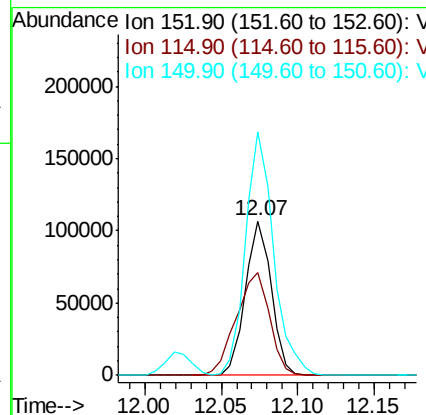
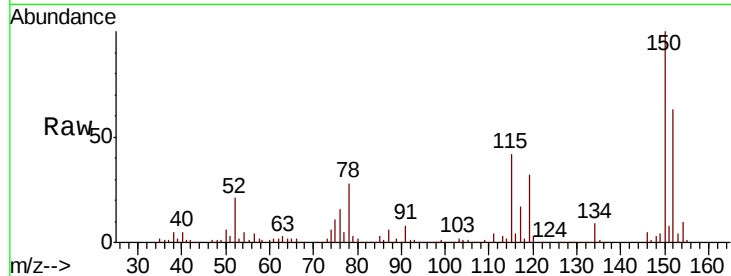
152 100

115 85.3 44.1 132.3

150 171.2 0.0 343.8

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#73

Isopropylbenzene

Concen: 44.484 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012877.D

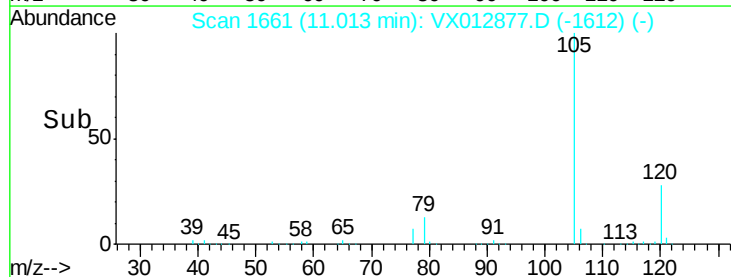
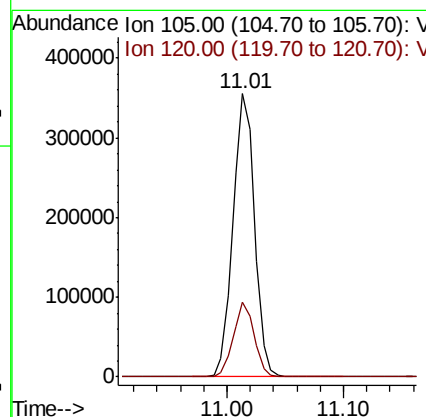
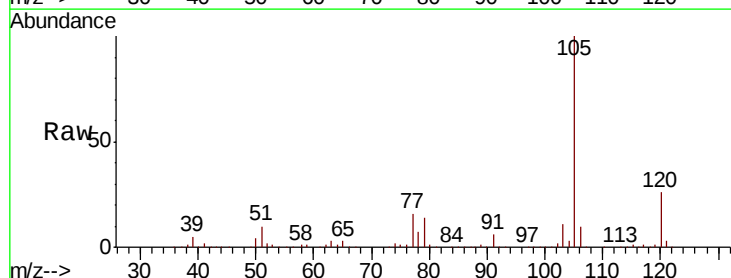
Acq: 08 Oct 2019 07:32

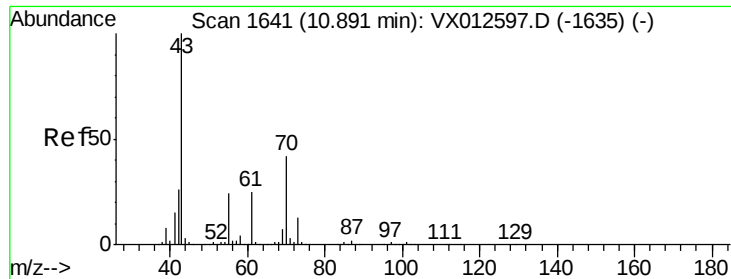
Tgt Ion:105 Resp: 455363

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7





#74

N-amvl acetate

Concen: 37.798 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012877.D

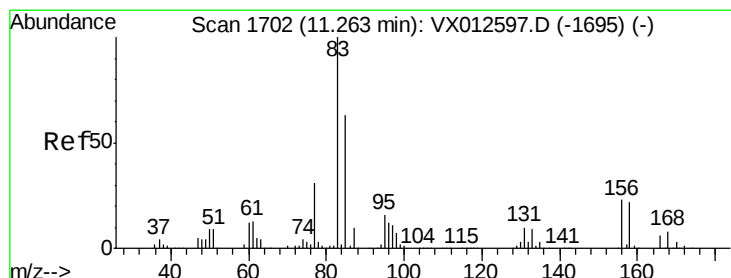
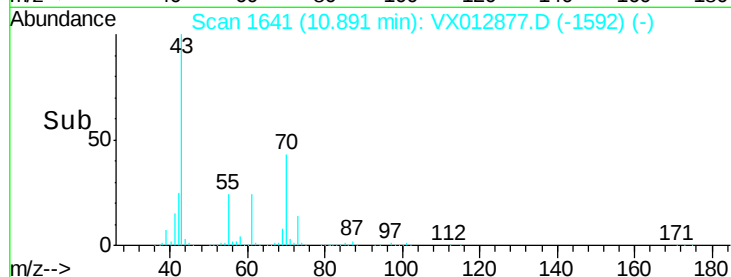
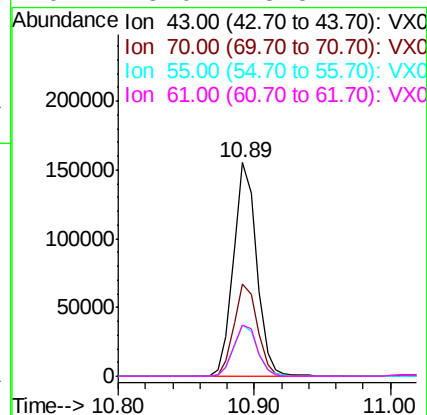
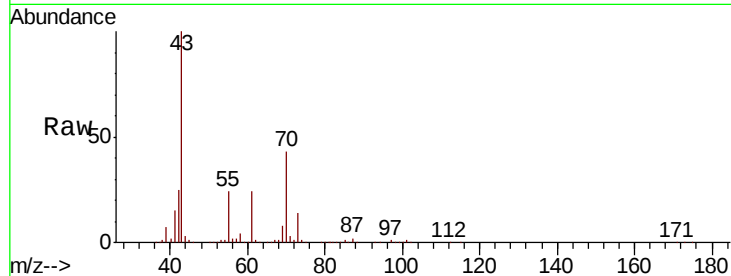
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		184587		
70	44.1	32.4	48.6		
55	24.6	18.2	27.4		
61	25.0	18.5	27.7		

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.933 ug/l

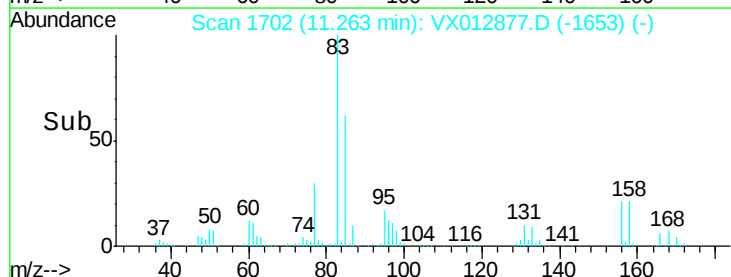
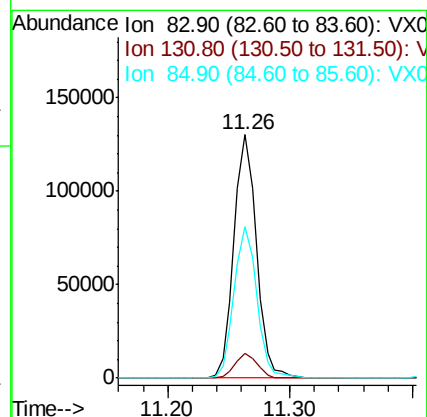
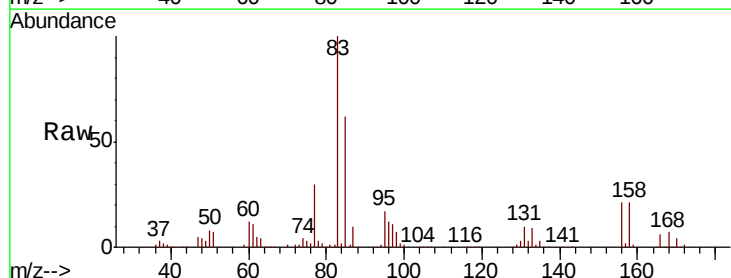
RT: 11.26 min Scan# 1702

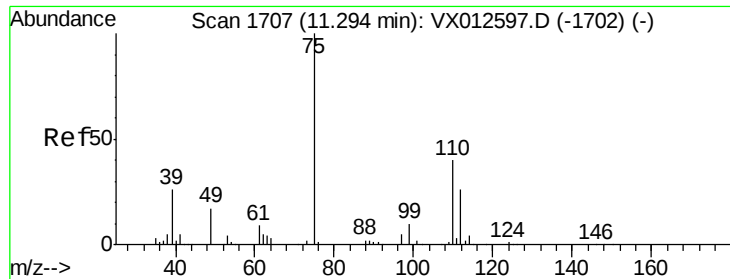
Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		165892		
131	9.9	5.2	15.6		
85	62.6	32.0	96.0		





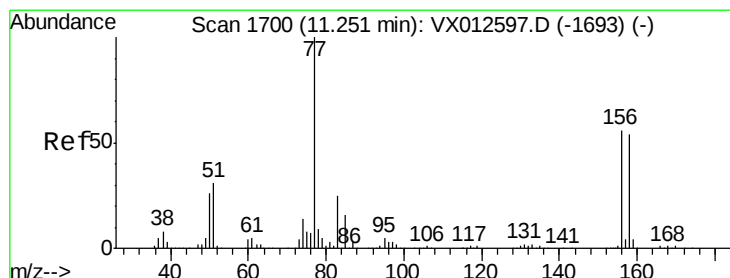
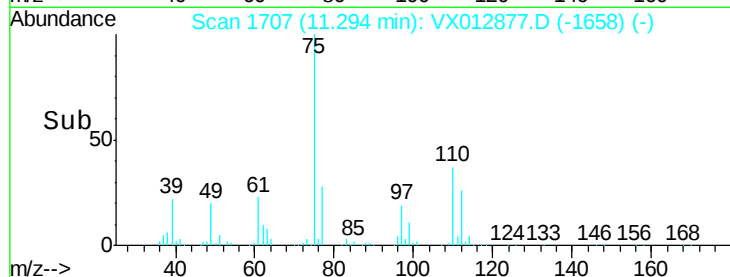
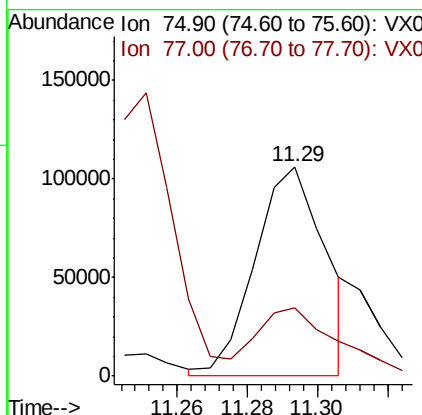
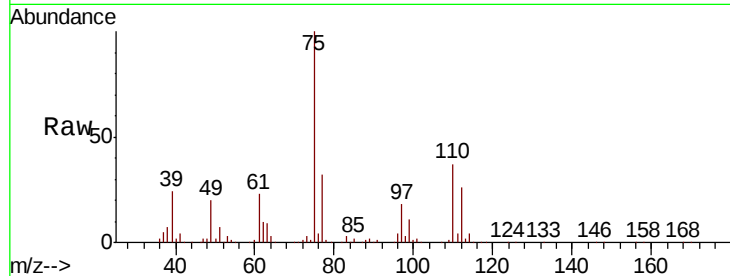
#76
 1,2,3-Trichloropropane
 Concen: 44.356 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion: 75 Resp: 147468
 Ion Ratio Lower Upper
 75 100
 77 37.6 19.7 59.0

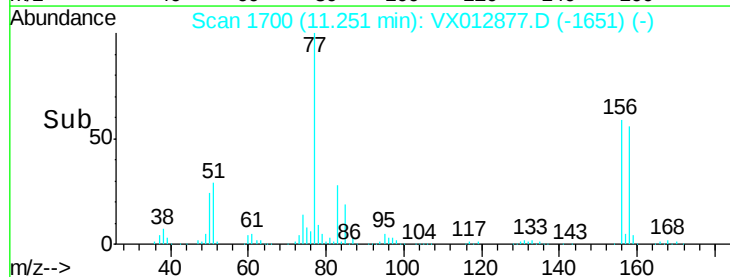
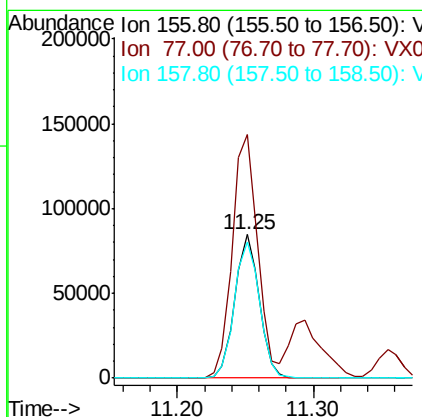
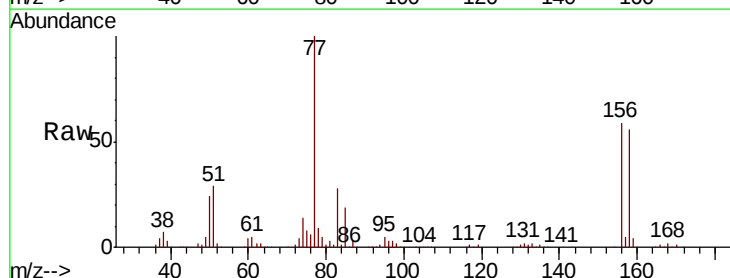
Manual Integrations
 APPROVED

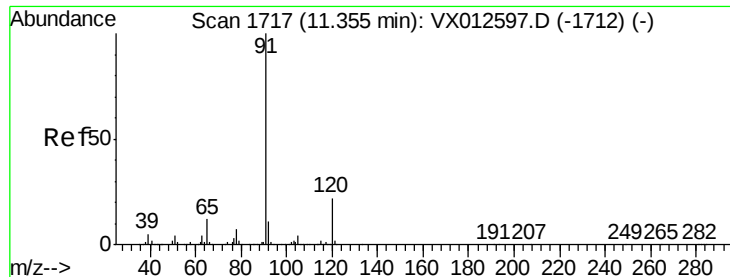
MMDadoda
 10/8/2019 2:07:25 PM



#77
 Bromobenzene
 Concen: 45.652 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion: 156 Resp: 105766
 Ion Ratio Lower Upper
 156 100
 77 176.8 87.3 261.8
 158 98.0 48.5 145.6





#78

n-propylbenzene

Concen: 43.927 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MS

Tot Ion: 91 Resp: 506231

Ion Ratio Lower Upper

91 100

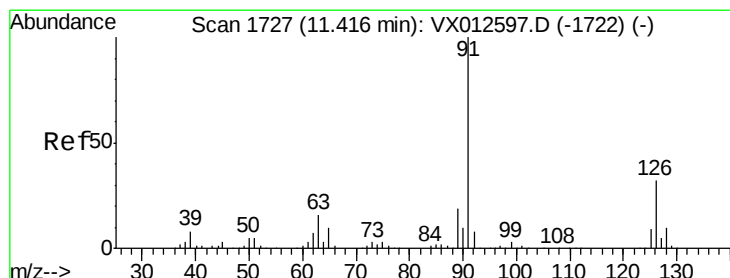
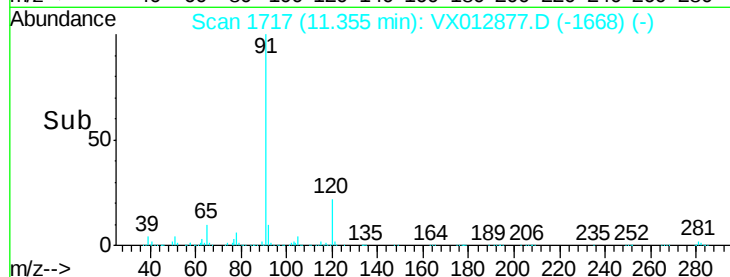
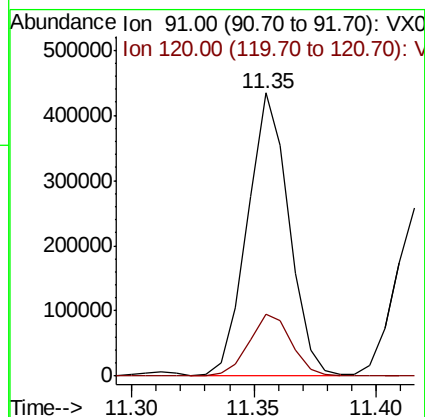
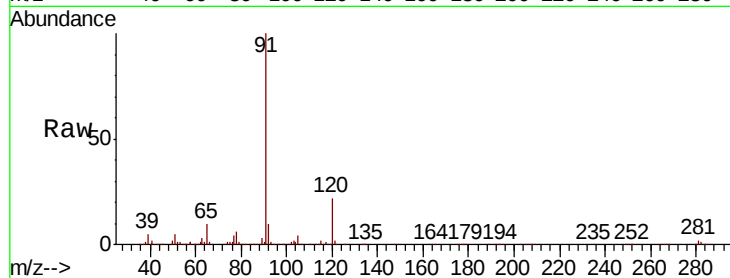
120 22.6 11.3 33.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 2:07:25 PM



#79

2-Chlorotoluene

Concen: 43.486 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012877.D

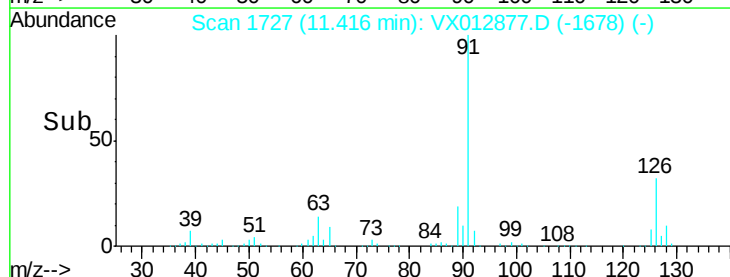
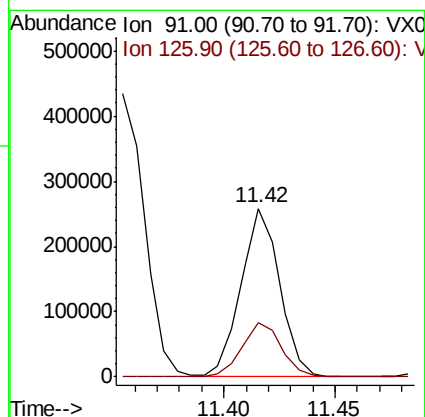
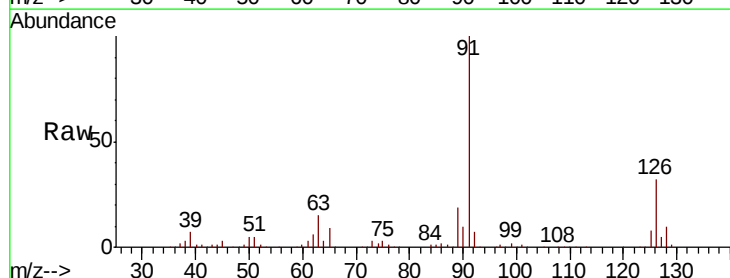
Acq: 08 Oct 2019 07:32

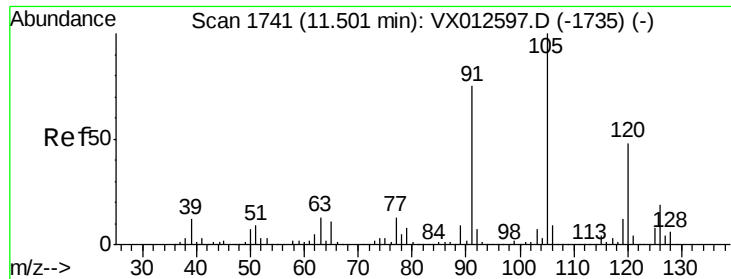
Tgt Ion: 91 Resp: 312629

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.4





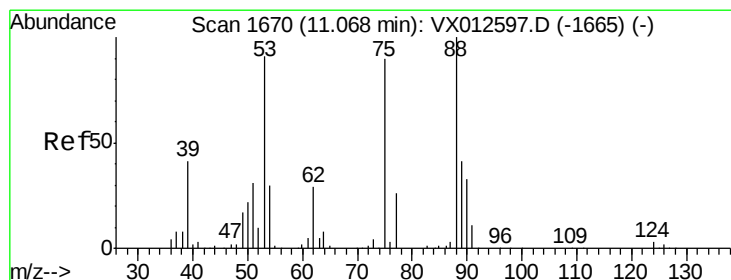
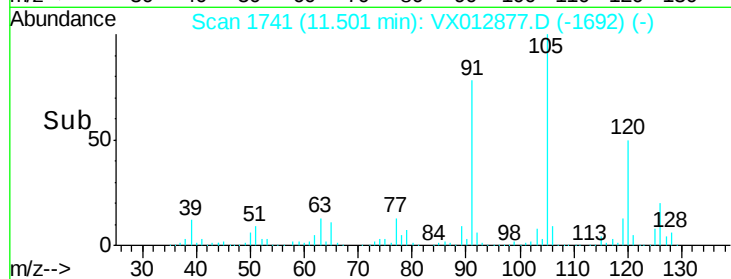
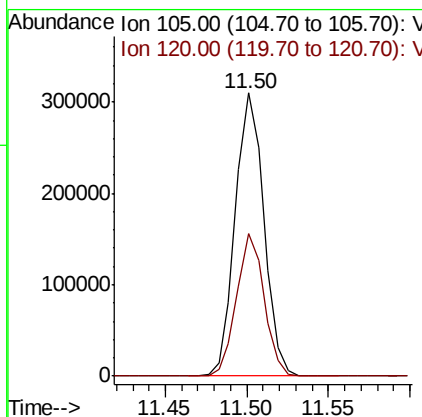
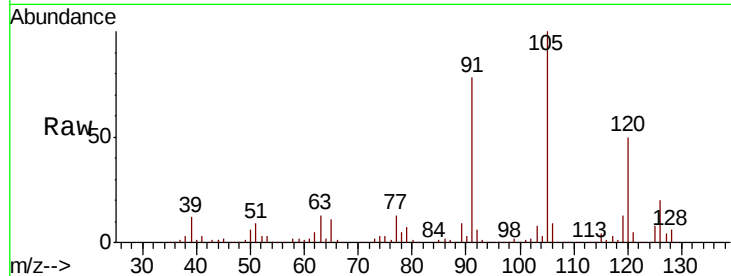
#80
 1,3,5-Trimethylbenzene
 Concen: 44.099 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	72.8

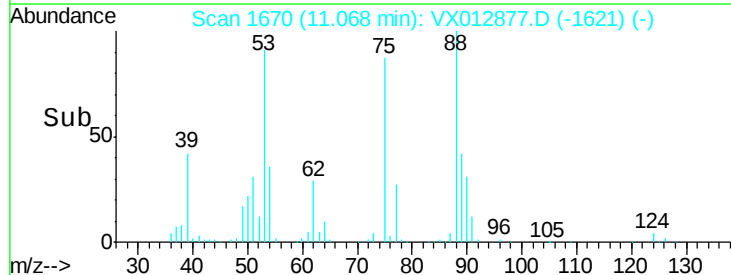
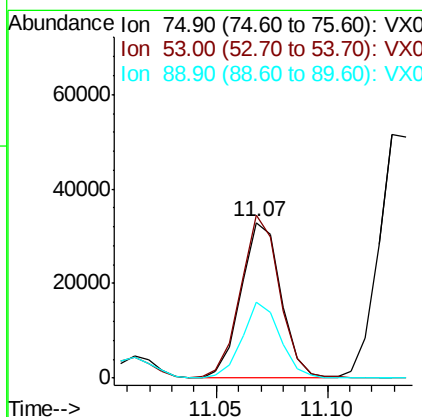
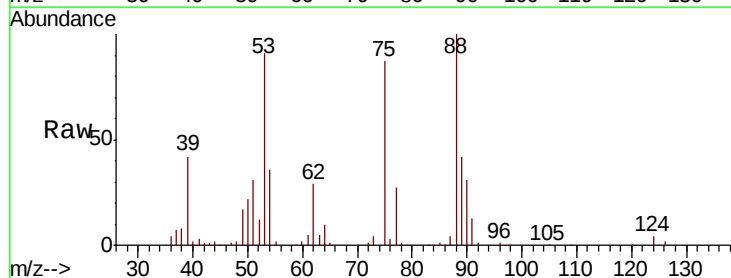
Manual Integrations
 APPROVED

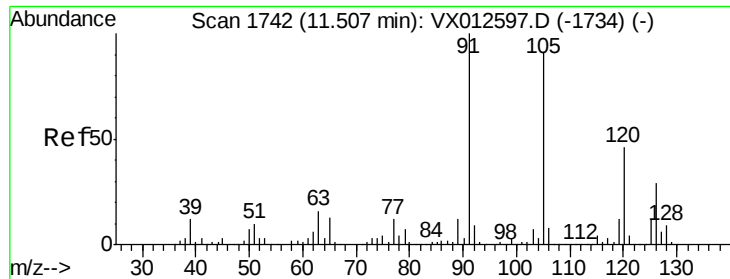
MMDadoda
 10/8/2019 2:07:25 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.324 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.6	83.6	125.4
89	46.5	36.3	54.5





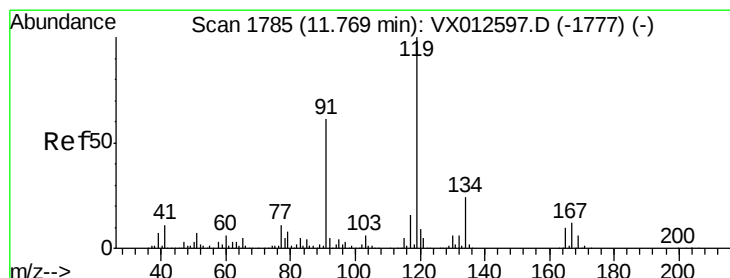
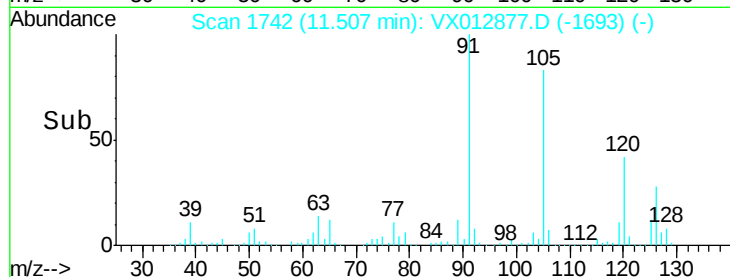
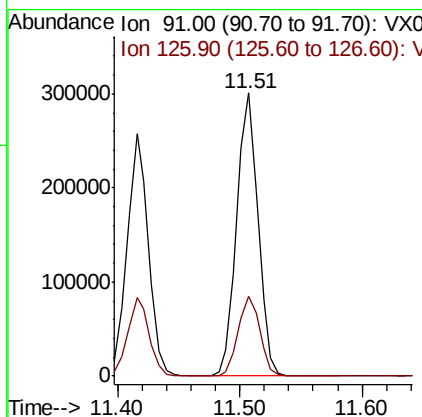
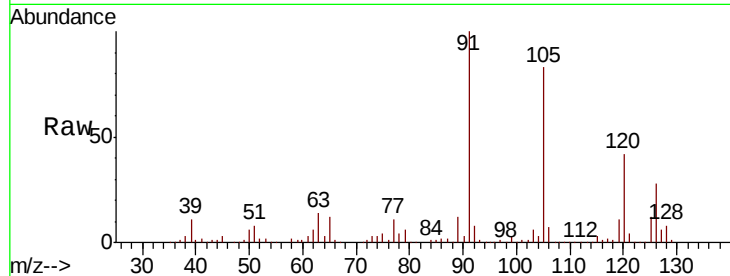
#82
4-Chlorotoluene
Concen: 44.119 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion: 91 Resp: 361568
Ion Ratio Lower Upper
91 100
126 28.6 14.4 43.0

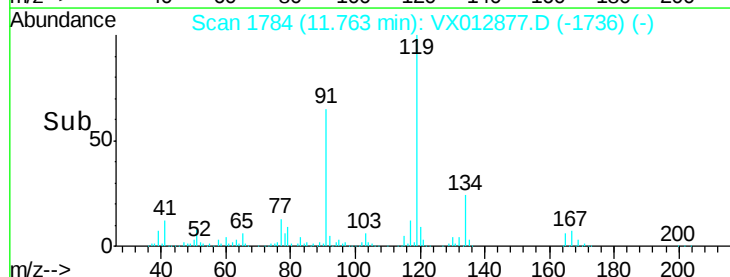
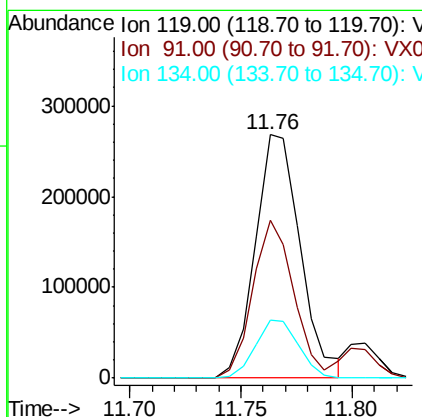
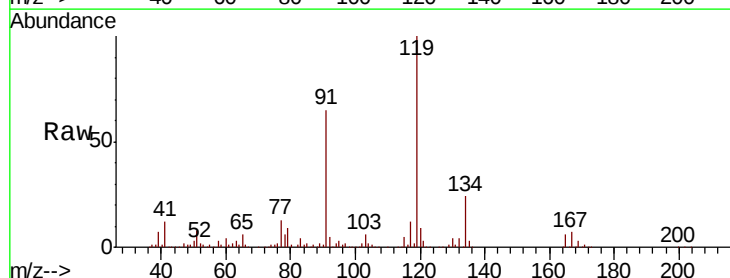
Manual Integrations
APPROVED

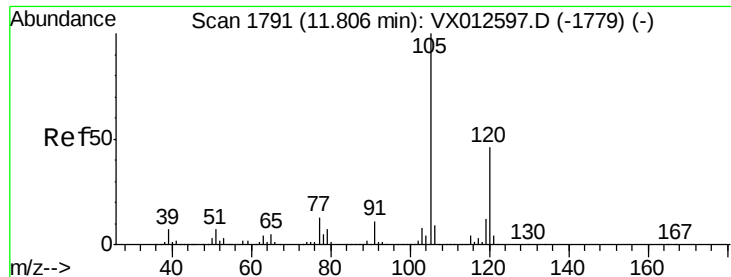
MMDadoda
10/8/2019 2:07:25 PM



#83
tert-Butylbenzene
Concen: 45.654 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion: 119 Resp: 378039
Ion Ratio Lower Upper
119 100
91 58.8 30.0 90.0
134 23.0 11.3 33.9





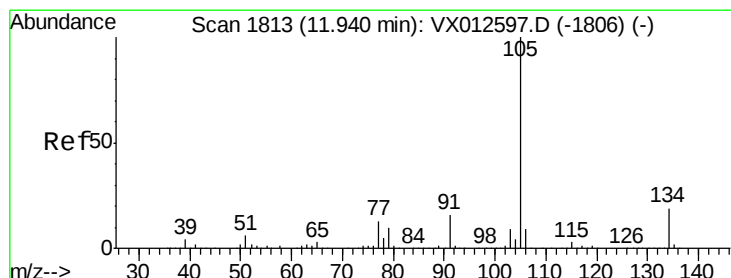
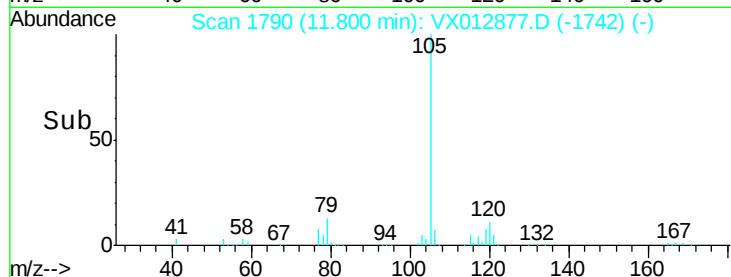
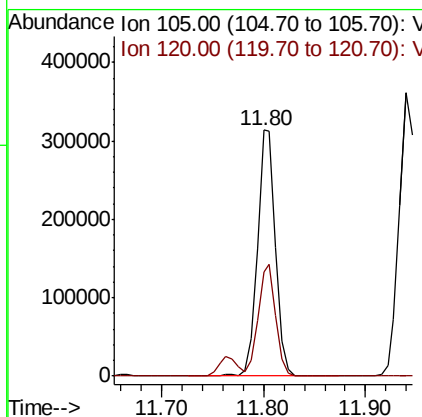
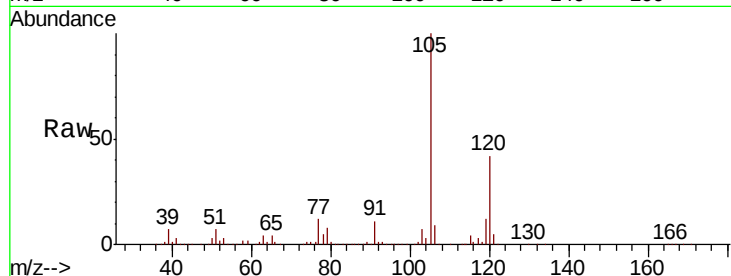
#84
1,2,4-Trimethylbenzene
Concen: 45.358 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.2	66.6

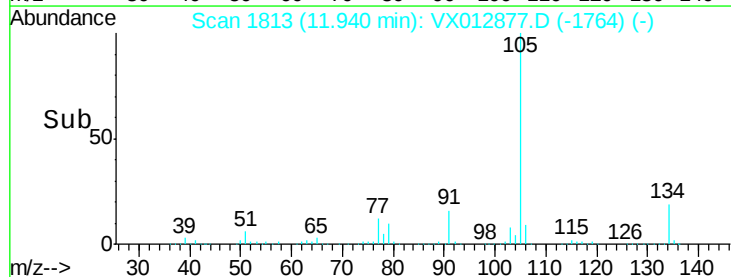
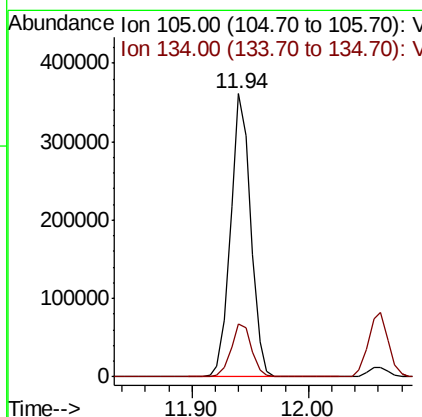
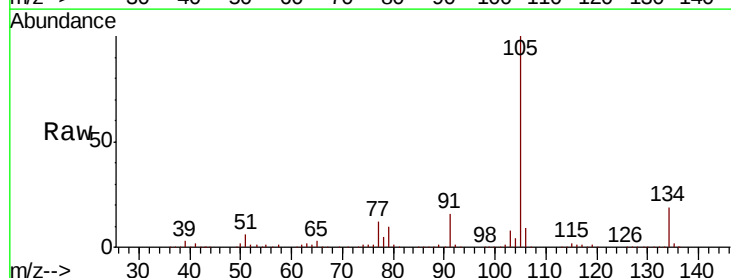
Manual Integrations
APPROVED

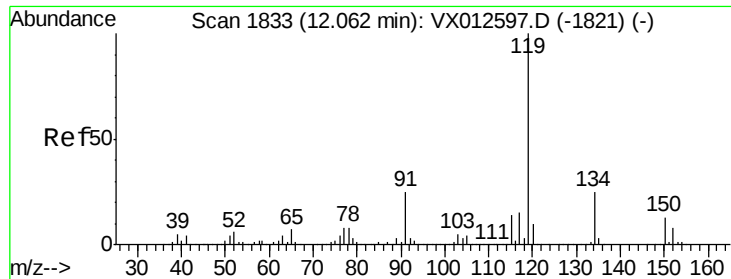
MMDadoda
10/8/2019 2:07:25 PM



#85
sec-Butylbenzene
Concen: 45.038 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4





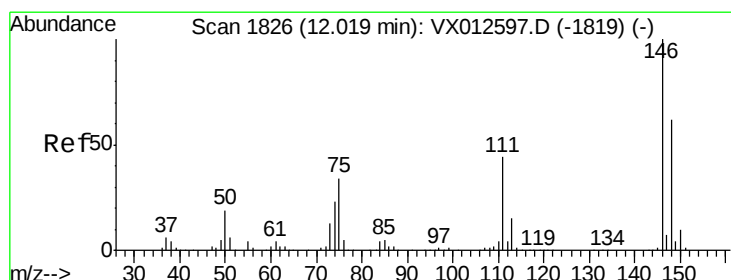
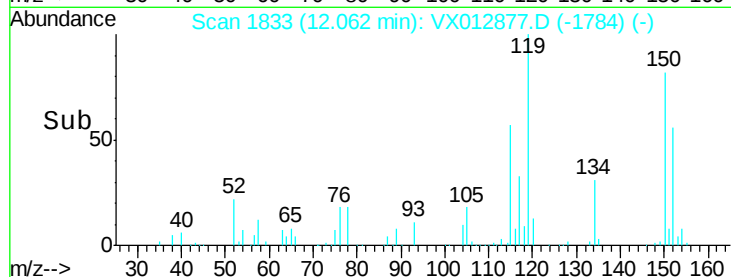
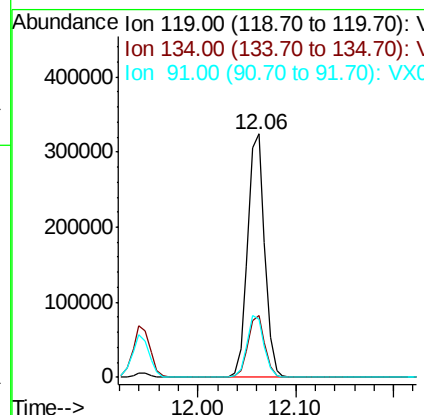
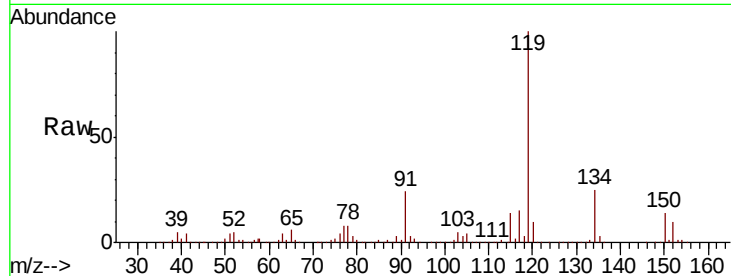
#86
 p-Isopropyltoluene
 Concen: 44.984 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	390926		
134	25.1	12.7	38.1	
91	25.2	12.8	38.4	

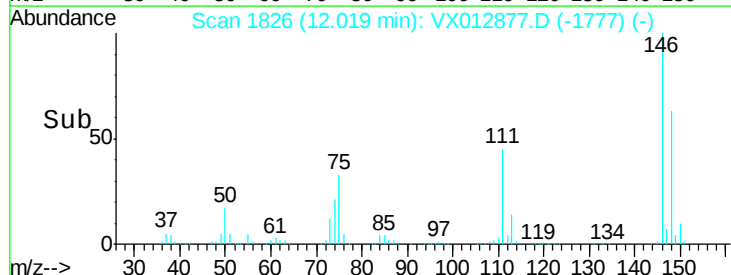
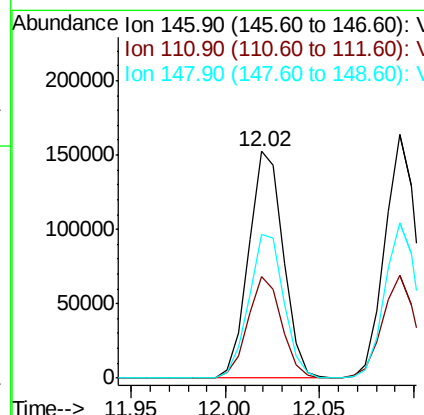
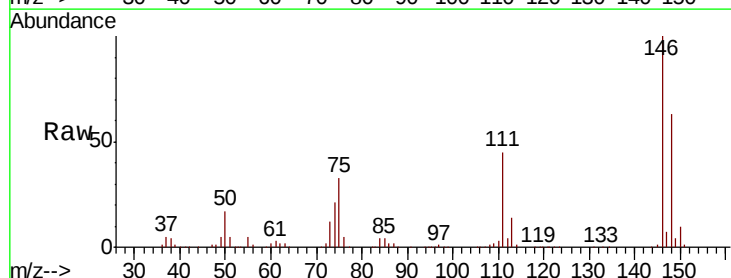
Manual Integrations
 APPROVED

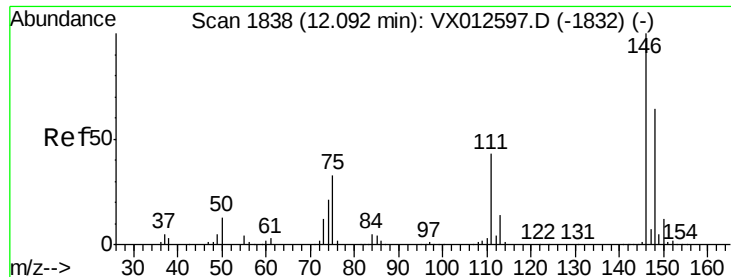
MMDadoda
 10/8/2019 2:07:25 PM



#87
 1,3-Dichlorobenzene
 Concen: 46.696 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	194689		
111	43.6	21.3	64.0	
148	63.9	32.4	97.2	





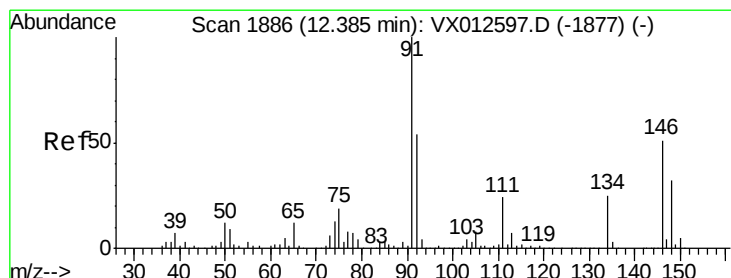
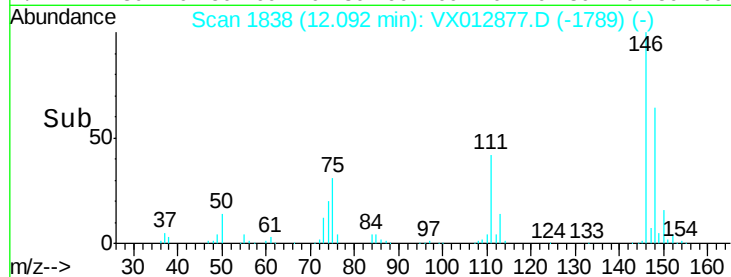
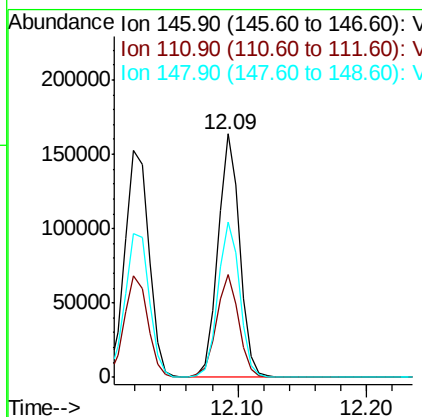
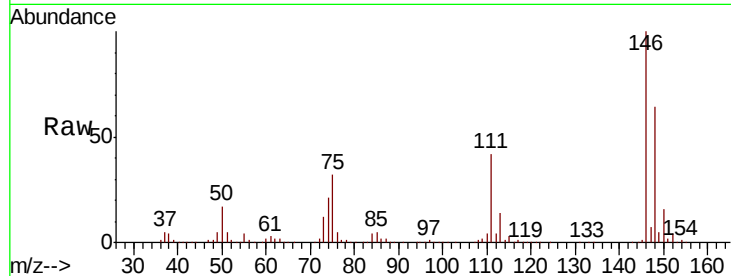
#88
 1,4-Dichlorobenzene
 Concen: 46.156 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	64.4	32.1	96.5

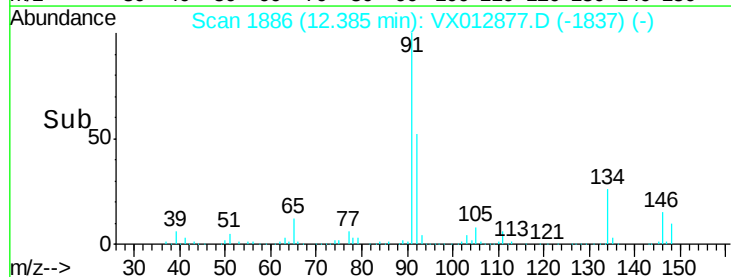
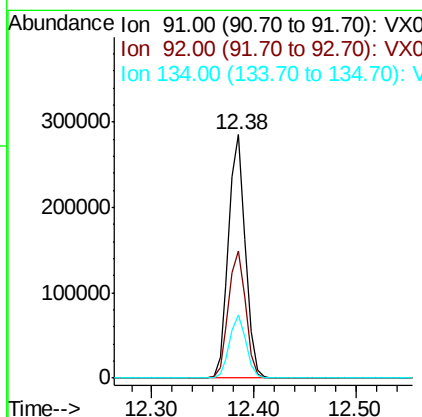
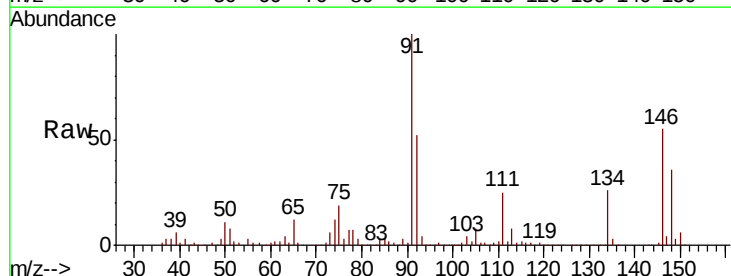
Manual Integrations
 APPROVED

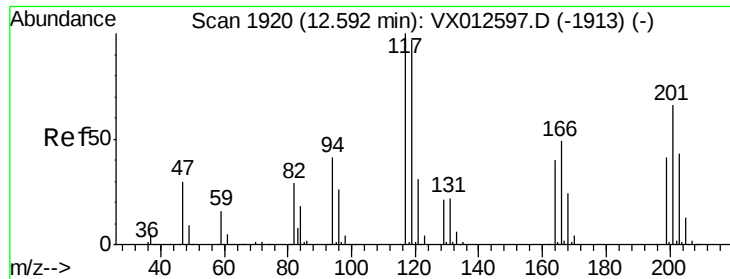
MMDadoda
 10/8/2019 2:07:25 PM



#89
 n-Butylbenzene
 Concen: 42.374 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.7	83.0
134	25.3	12.9	38.6





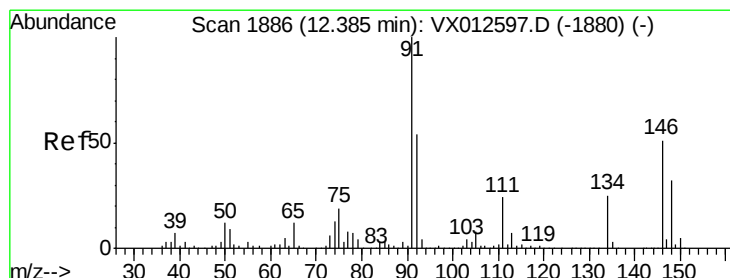
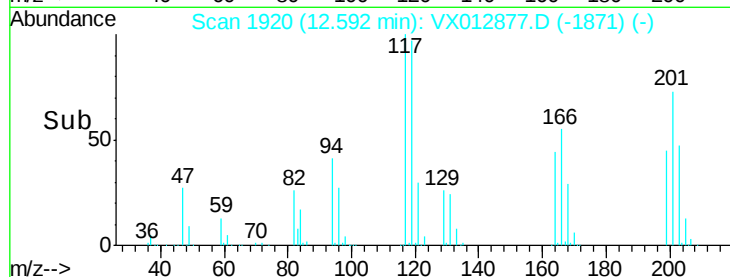
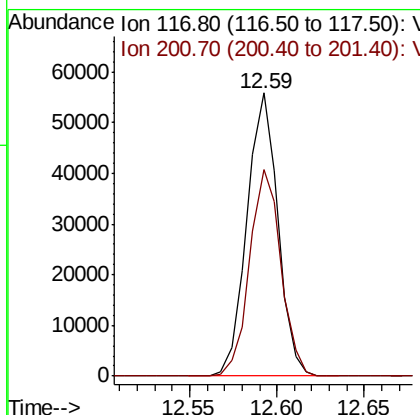
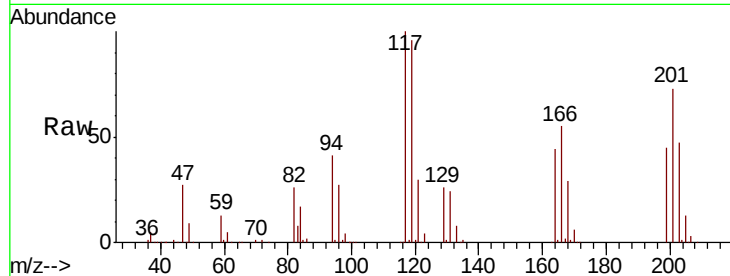
#90
Hexachloroethane
Concen: 44.391 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MS

Tot Ion:117 Resp: 68776
Ion Ratio Lower Upper
117 100
201 73.8 33.3 99.8

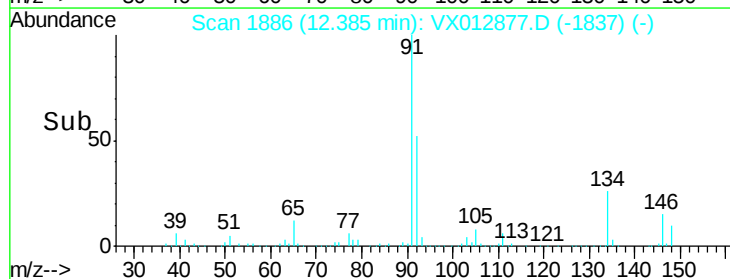
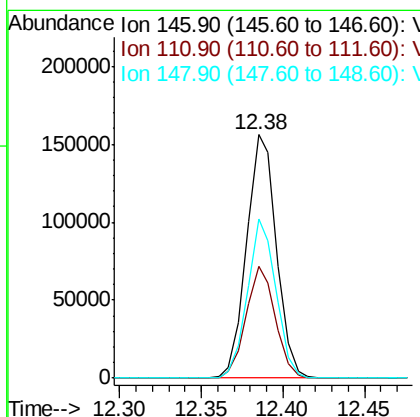
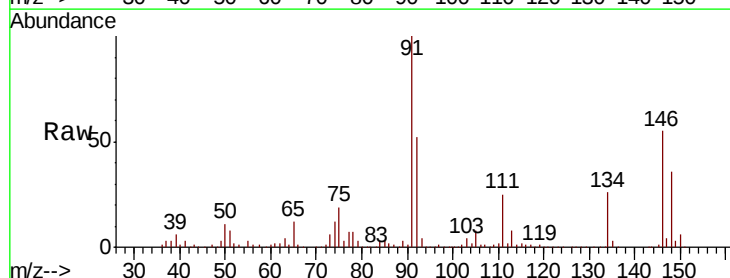
Manual Integrations
APPROVED

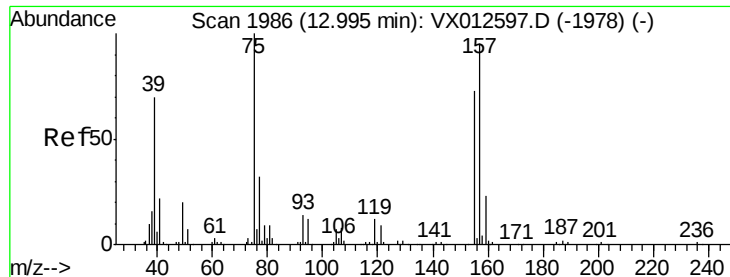
MMDadoda
10/8/2019 2:07:25 PM



#91
1,2-Dichlorobenzene
Concen: 47.738 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012877.D
Acq: 08 Oct 2019 07:32

Tgt Ion:146 Resp: 199266
Ion Ratio Lower Upper
146 100
111 45.0 22.1 66.1
148 62.8 31.3 93.9





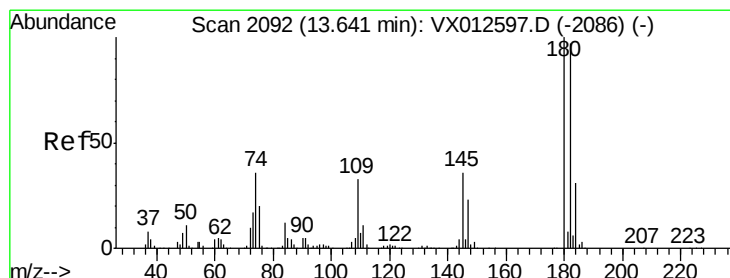
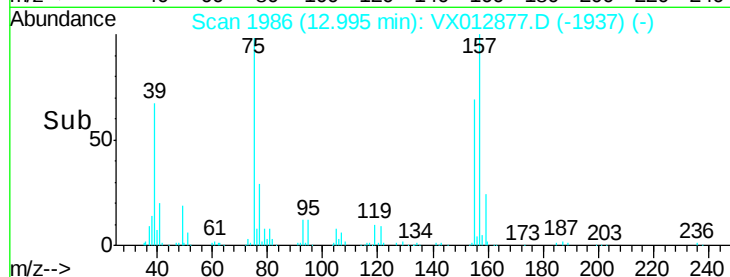
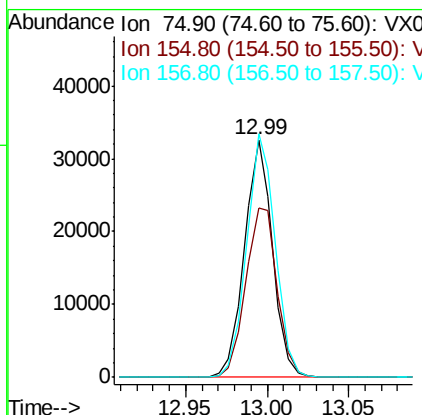
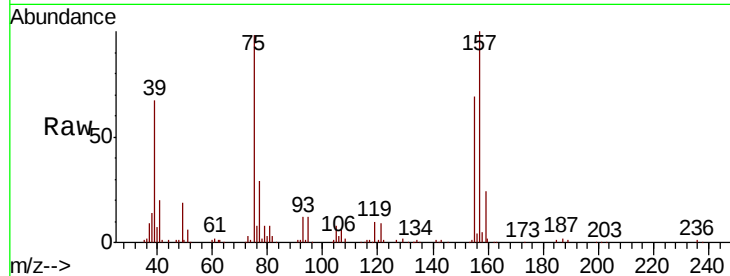
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.997 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.6	115.8
157	104.8	50.6	151.9

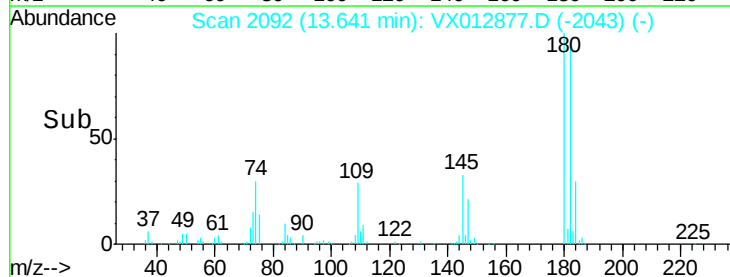
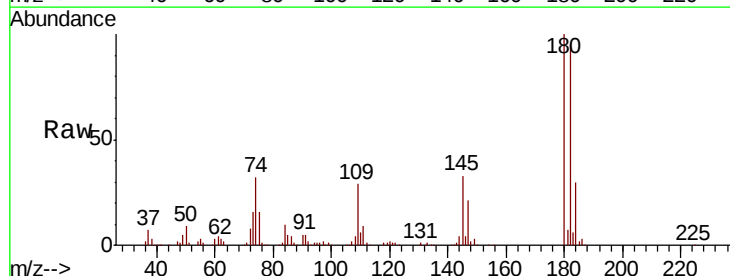
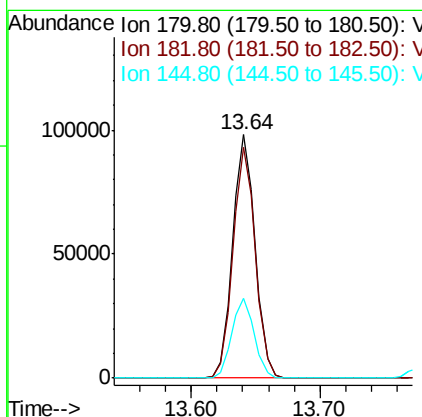
Manual Integrations
 APPROVED

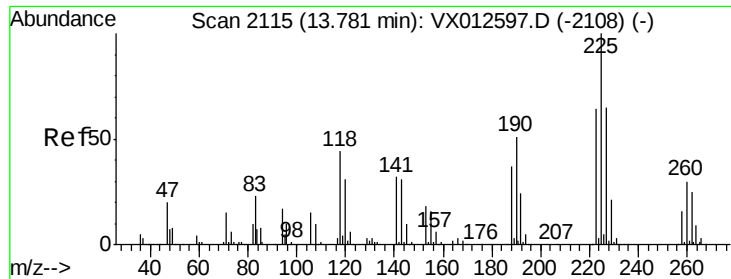
MMDadoda
 10/8/2019 2:07:25 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.930 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.0
145	32.8	16.8	50.4





#94

Hexachlorobutadiene

Concen: 45.005 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Instrument :

MSVOA_X

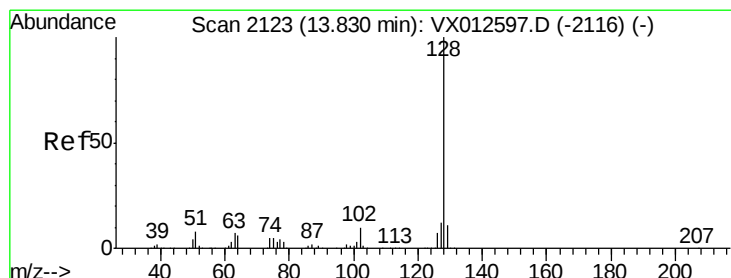
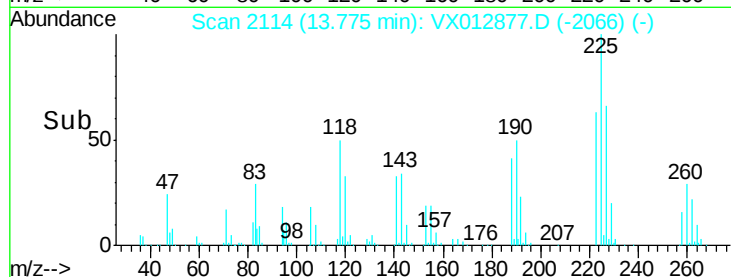
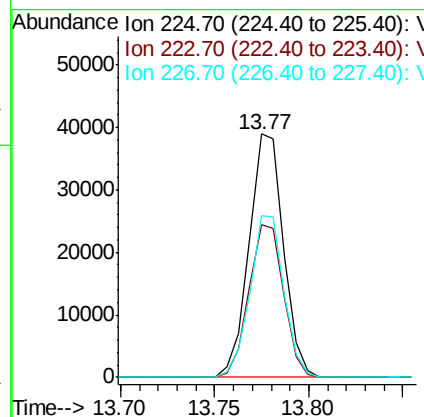
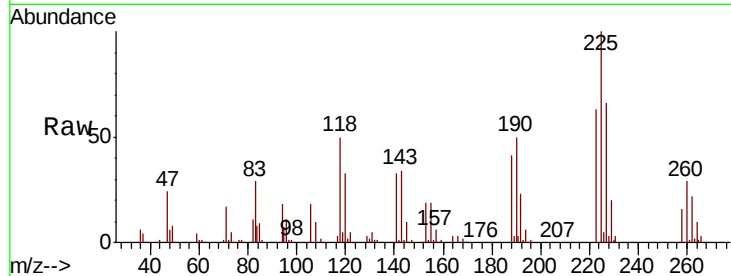
ClientSampleId :

FA19-MMW3414MS

Tot Ion:	225	Resp:	49286
Ion Ratio		Lower	Upper
225	100		
223	63.6	32.0	96.2
227	65.4	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/8/2019 2:07:25 PM



#95

Naphthalene

Concen: 46.669 ug/l

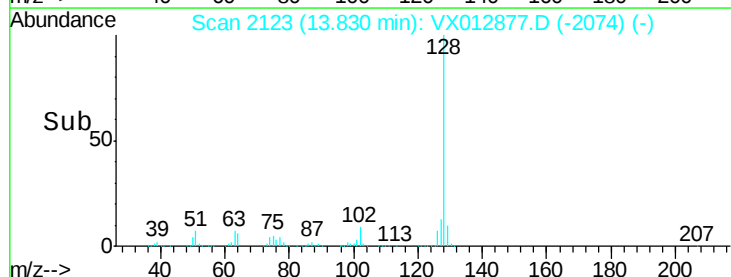
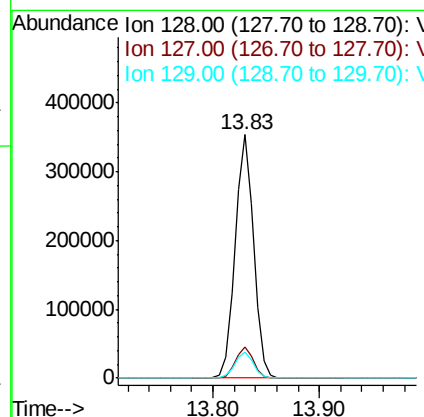
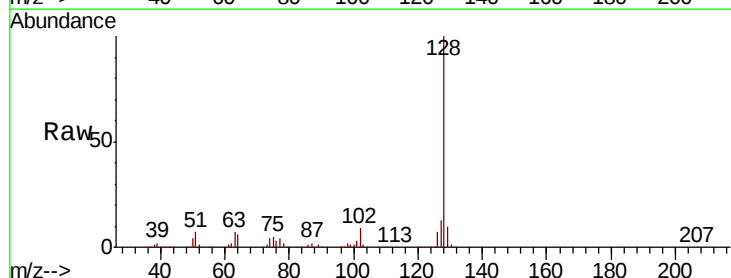
RT: 13.83 min Scan# 2123

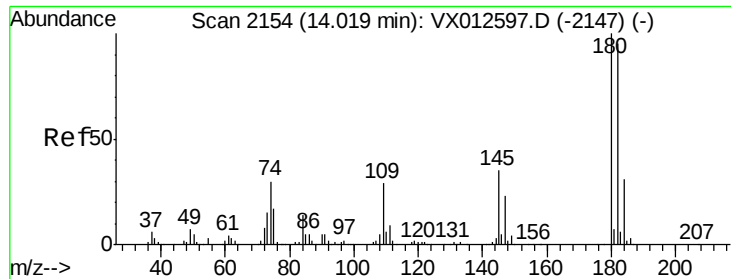
Delta R.T. -0.00 min

Lab File: VX012877.D

Acq: 08 Oct 2019 07:32

Tgt Ion:	128	Resp:	429825
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 47.433 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012877.D
 Acq: 08 Oct 2019 07:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.1	141.3
145	36.1	18.0	54.0

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:25 PM

