

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013150.D
 Acq On : 21 Oct 2019 12:37
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:30:11 PM

Quant Time: Oct 22 01:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	27158	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	153840	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	138338	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	63757	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.13	95	72090	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	8.71	98	189510	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	39178	20.992	ug/l 100
3) Chloromethane	1.32	50	33066	18.515	ug/l 100
4) Vinyl Chloride	1.40	62	34367	19.048	ug/l 100
5) Bromomethane	1.63	94	21414	24.986	ug/l 100
6) Chloroethane	1.72	64	22424	20.343	ug/l 100
7) Trichlorofluoromethane	1.92	101	55716	20.717	ug/l 100
8) Diethyl Ether	2.18	74	18723	19.370	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32744	19.510	ug/l 100
10) 1,1-Dichloroethene	2.37	96	32501	19.699	ug/l 100
11) Methyl Iodide	2.50	142	39697	19.377	ug/l 100
12) Methyl Acetate	2.76	43	43067	18.828	ug/l 100
13) Acrolein	2.28	56	33380	99.815	ug/l 100
14) Acrylonitrile	3.13	53	90114	94.501	ug/l 100
15) Acetone	2.43	58	31089	95.567	ug/l 100
16) Carbon Disulfide	2.56	76	85014	19.092	ug/l 100
17) Allyl chloride	2.72	41	51772	18.697	ug/l 100
18) Methylene Chloride	2.85	84	37254	19.863	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	34536	19.618	ug/l 100
20) Diisopropyl ether	3.84	45	101971	19.248	ug/l 100
21) 1,1-Dichloroethane	3.69	63	60815	19.712	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	39768	19.572	ug/l 100
23) tert-Butyl Alcohol	3.03	59	47003	96.777	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	111052	19.797	ug/l 100
25) Chloroform	5.20	83	64142	20.047	ug/l 100
26) Cyclohexane	5.57	56	52765	18.958	ug/l 100
29) 1,1-Dichloropropene	5.79	75	48370	20.341	ug/l 100
30) 2-Butanone	4.66	43	129477	95.241	ug/l 100
31) 2,2-Dichloropropane	4.57	77	54818	20.502	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	57455	20.609	ug/l 100
33) Carbon Tetrachloride	5.78	117	49135	20.549	ug/l 100
34) Benzene	6.14	78	139970	20.058	ug/l 100
35) Methacrylonitrile	5.03	41	25560	18.984	ug/l 100
36) 1,2-Dichloroethane	6.19	62	52924	20.760	ug/l 100
37) Trichloroethene	7.21	130	38205	20.305	ug/l 100
38) Methylcyclohexane	7.46	83	56866	19.659	ug/l 100
39) 1,2-Dichloropropane	7.51	63	34074	19.585	ug/l 100
40) Dibromomethane	7.65	93	24388	20.274	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013150.D
 Acq On : 21 Oct 2019 12:37
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:30:11 PM

Quant Time: Oct 22 01:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	48451	20.295	ug/l	100
42) Vinyl Acetate	3.80	43	441131	97.731	ug/l	100
43) Ethyl Acetate	4.82	43	44985	18.231	ug/l	100
44) Isopropyl Acetate	6.43	43	77870	19.515	ug/l	100
45) 1,4-Dioxane	7.73	88	20114	403.080	ug/l	100
46) Methyl methacrylate	7.76	41	38110	19.379	ug/l	100
47) n-amyl Acetate	10.89	43	61750	18.159	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	51334	19.454	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	57285	19.754	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	35959	19.926	ug/l	100
51) Ethyl methacrylate	9.17	69	54697	19.298	ug/l	100
52) 1,3-Dichloropropane	9.37	76	60803	20.131	ug/l	100
53) Dibromochloromethane	9.57	129	37355	20.028	ug/l	100
54) 1,2-Dibromoethane	9.67	107	38656	20.382	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	112320	92.111	ug/l	100
56) Bromoform	10.85	173	25649	19.711	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	239775	96.177	ug/l	100
59) 2-Hexanone	9.48	43	187392	96.509	ug/l	100
61) Tetrachloroethene	9.33	164	38551	21.708	ug/l	100
62) Toluene	8.78	91	150548	20.017	ug/l	100
64) Chlorobenzene	10.14	112	95113	19.885	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	36035	20.389	ug/l	100
66) Ethyl Benzene	10.25	91	170025	19.747	ug/l	100
67) m/p-Xylenes	10.36	106	130738	40.281	ug/l	100
68) o-Xylene	10.70	106	60338	19.285	ug/l	100
69) Styrene	10.71	104	106633	19.626	ug/l	100
70) Isopropylbenzene	11.01	105	170701	20.148	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	51307	18.949	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	50339m	21.468	ug/l	
73) Bromobenzene	11.25	156	39621	19.653	ug/l	100
74) n-propylbenzene	11.35	91	184857	19.679	ug/l	100
75) 2-Chlorotoluene	11.42	91	116610	20.045	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	138978	19.408	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	16459	18.522	ug/l	100
78) 4-Chlorotoluene	11.51	91	129937	19.459	ug/l	100
79) tert-butylbenzene	11.76	119	130402	19.373	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	138436	19.439	ug/l	100
81) sec-Butylbenzene	11.94	105	161083	19.726	ug/l	100
82) p-Isopropyltoluene	12.06	119	145443	19.497	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	71645	19.687	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	71204	19.385	ug/l	100
85) n-Butylbenzene	12.39	91	120317	18.996	ug/l	100
86) Hexachloroethane	12.59	117	24715	19.166	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	72047	19.939	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	12882	20.126	ug/l	100
89) 1,2,4-Trichlorobenzene	13.64	180	42719	19.057	ug/l	100
90) Hexachlorobutadiene	13.78	225	21091	19.565	ug/l	100
91) Naphthalene	13.83	128	141838	18.746	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	44273	19.586	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013150.D
Acq On : 21 Oct 2019 12:37
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

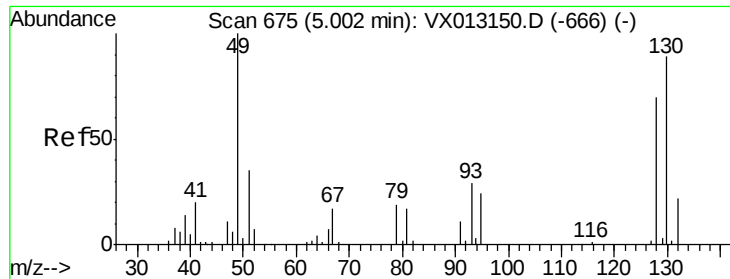
Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM

Quant Time: Oct 22 01:48:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:38:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



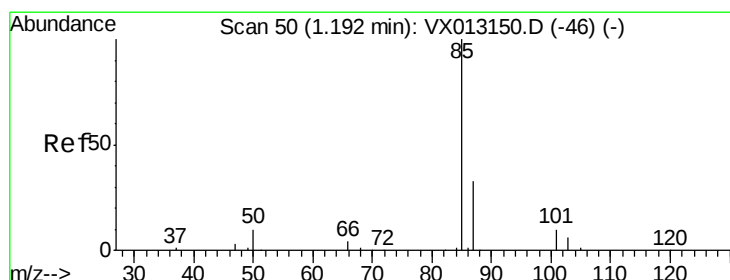
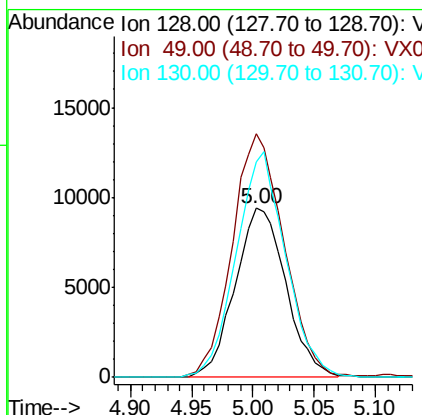
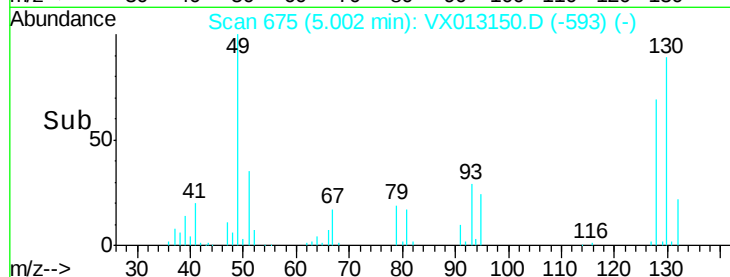
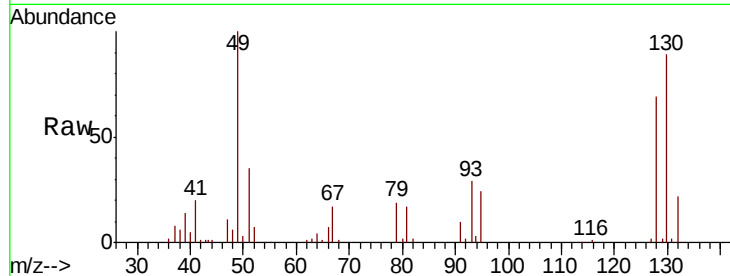
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	146.9	0.0	367.3
130	130.0	0.0	325.0

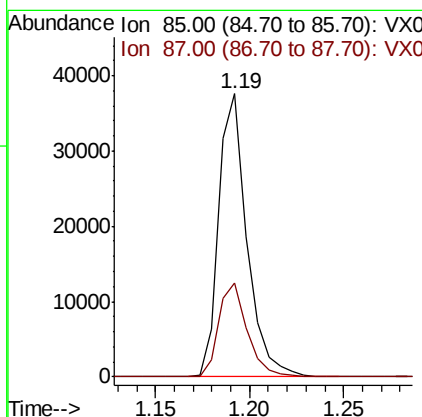
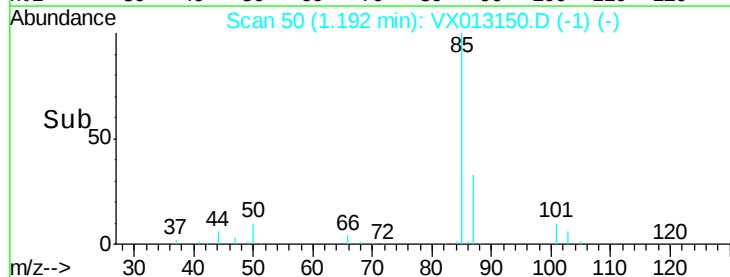
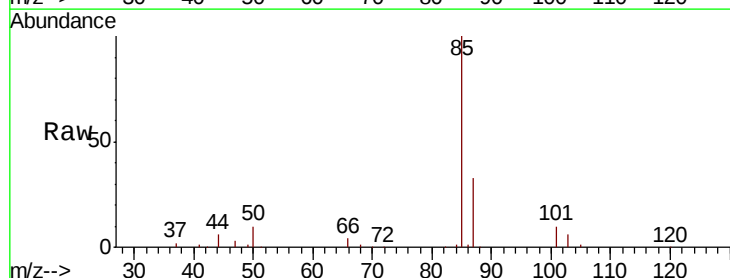
Manual Integrations
APPROVED

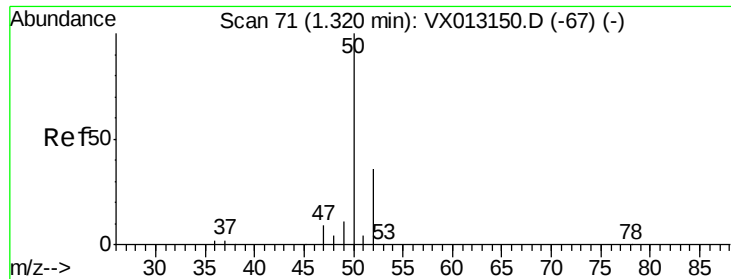
MMDadoda
10/22/2019 12:30:11 PM



#2
Dichlorodifluoromethane
Concen: 20.992 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7





#3

Chloromethane

Concen: 18.515 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 33066

Ion Ratio Lower Upper

50 100

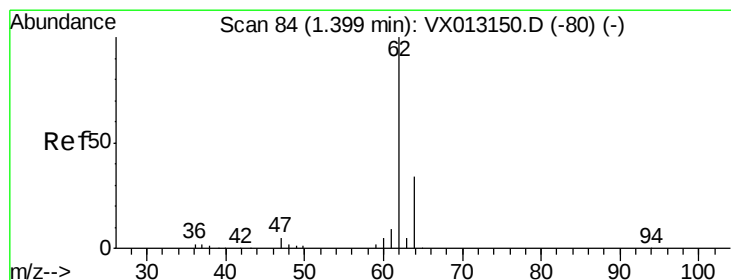
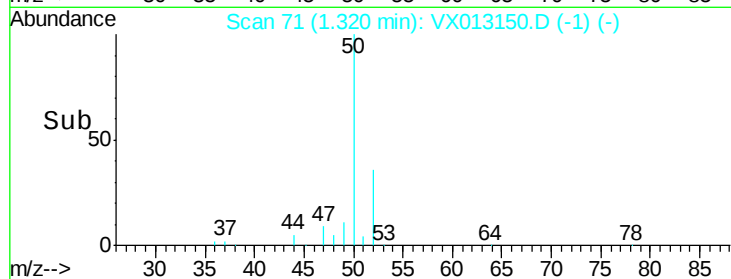
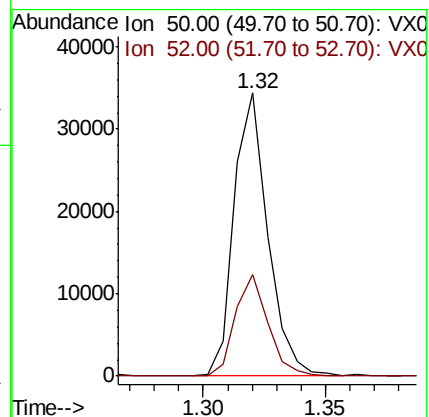
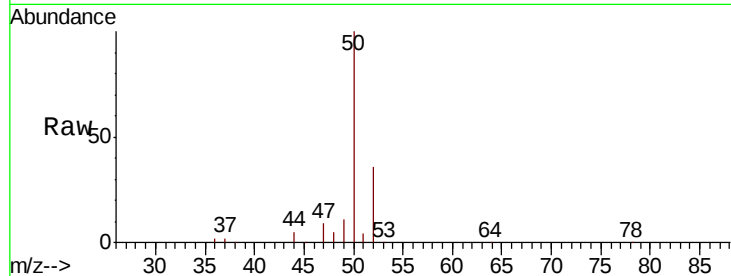
52 35.7 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#4

Vinyl Chloride

Concen: 19.048 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013150.D

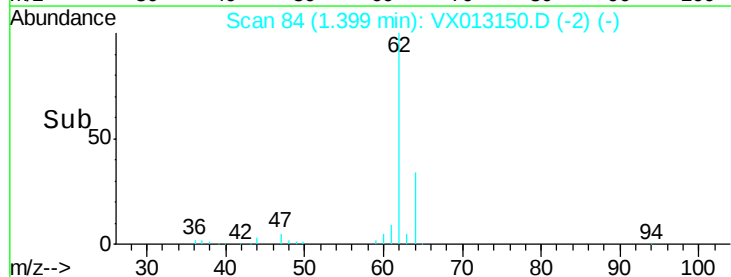
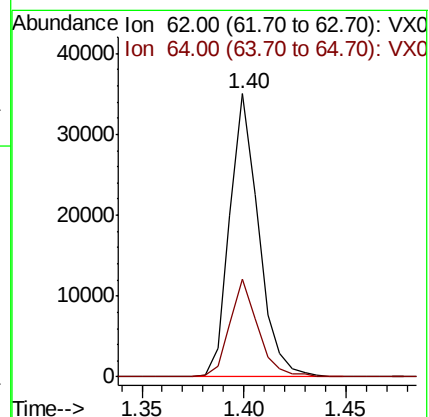
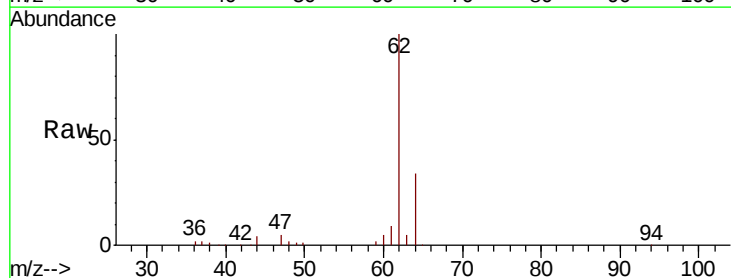
Acq: 21 Oct 2019 12:37

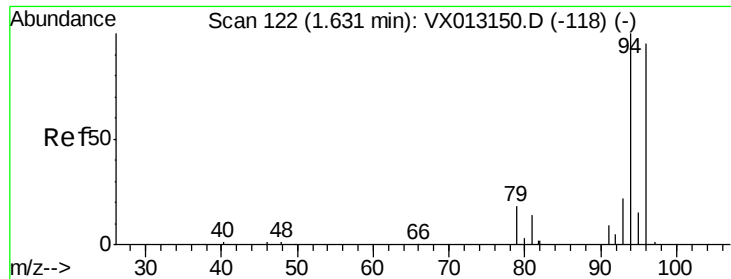
Tgt Ion: 62 Resp: 34367

Ion Ratio Lower Upper

62 100

64 34.1 27.3 40.9





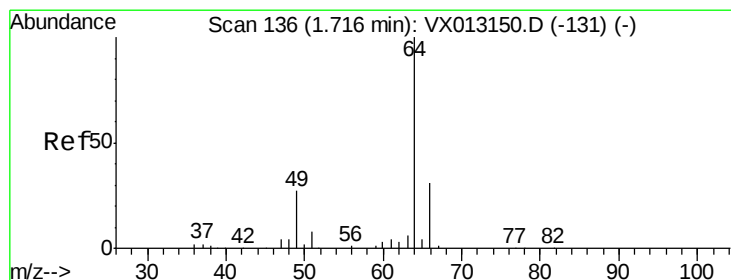
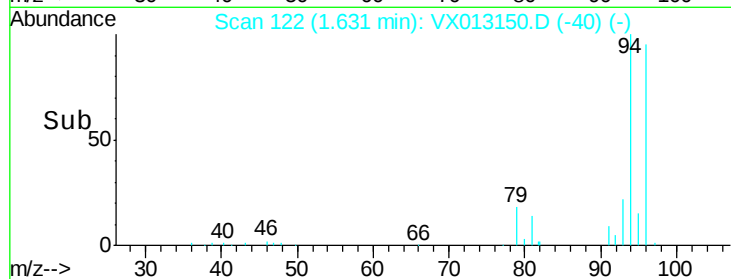
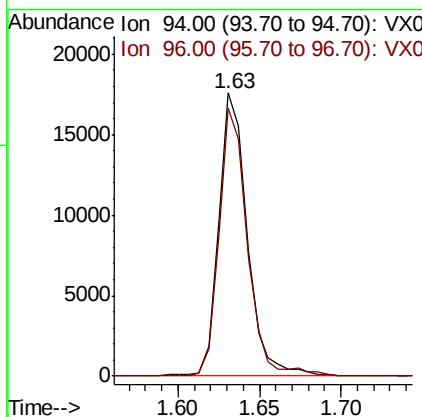
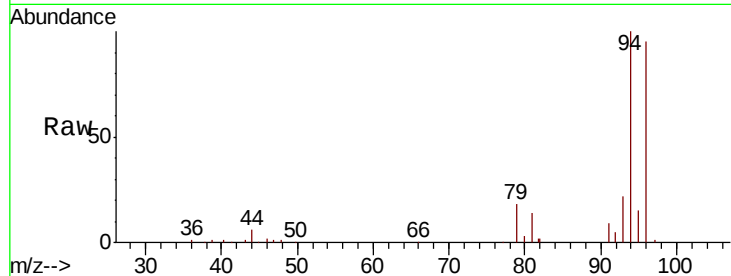
#5
Bromomethane
Concen: 24.986 ug/l
RT: 1.63 min Scan# 122
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	94	Resp	21414
Ion Ratio	Lower	Upper	
94	100		
96	94.9	75.9	113.9

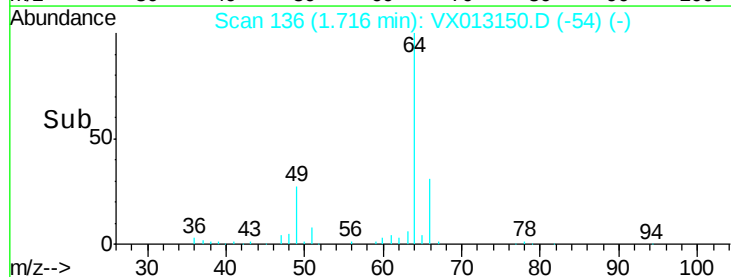
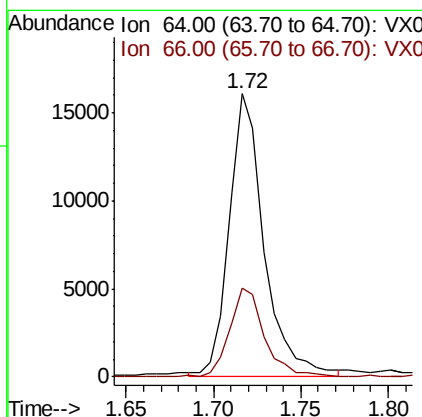
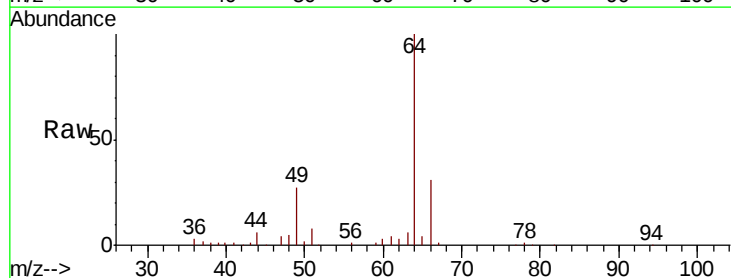
Manual Integrations
APPROVED

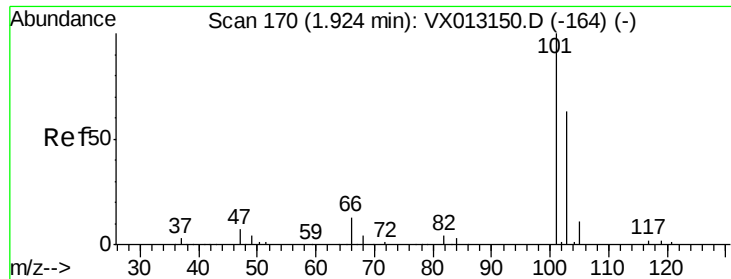
MMDadoda
10/22/2019 12:30:11 PM



#6
Chloroethane
Concen: 20.343 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	64	Resp	22424
Ion Ratio	Lower	Upper	
64	100		
66	31.8	25.4	38.2





#7

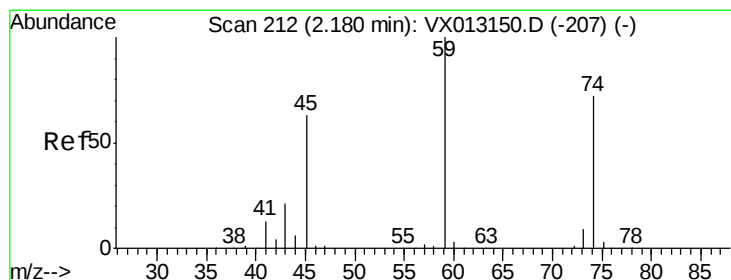
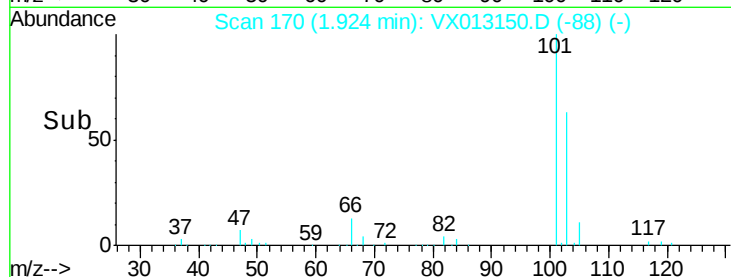
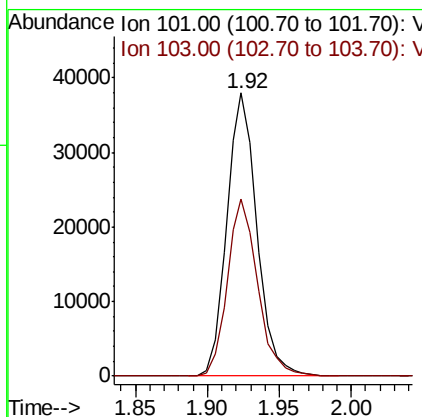
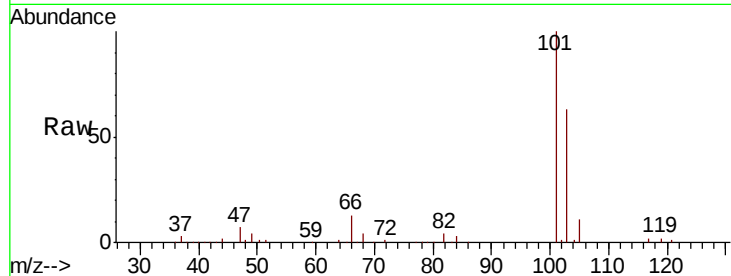
Trichlorofluoromethane
Concen: 20.717 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:101 Resp: 55716
Ion Ratio Lower Upper
101 100
103 62.8 50.2 75.4

Manual Integrations
APPROVED

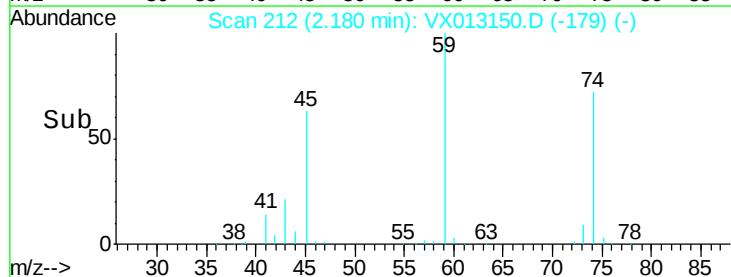
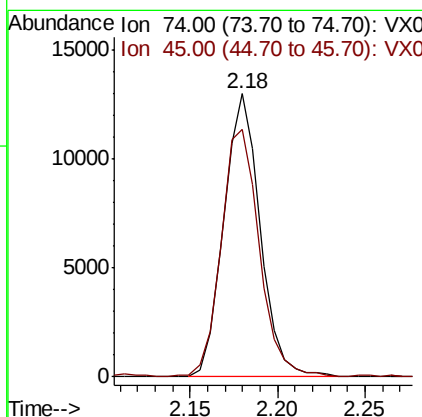
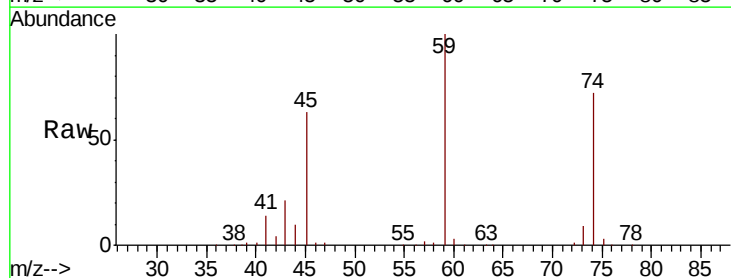
MMDadoda
10/22/2019 12:30:11 PM

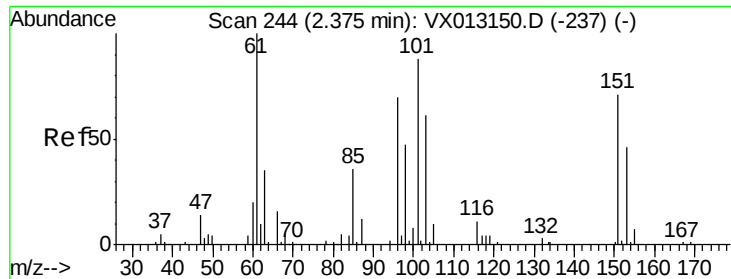


#8

Diethyl Ether
Concen: 19.370 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion: 74 Resp: 18723
Ion Ratio Lower Upper
74 100
45 92.0 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.510 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

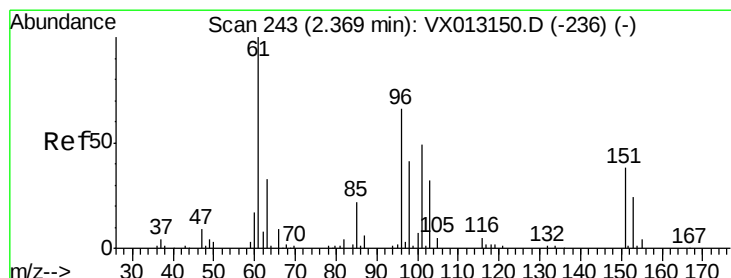
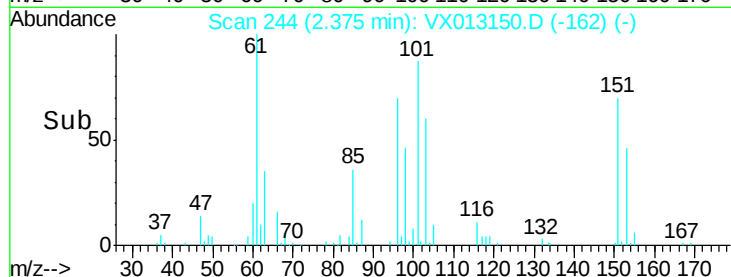
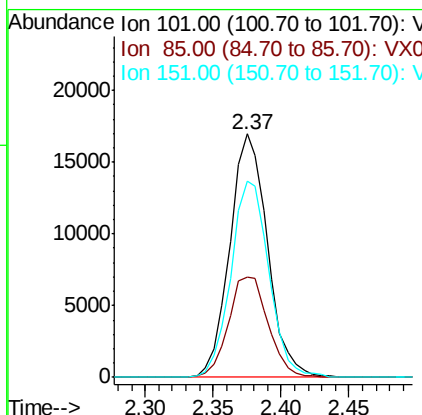
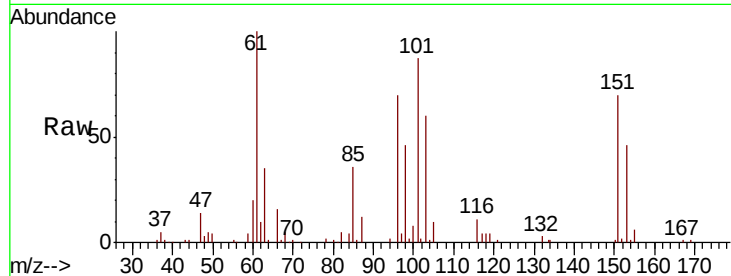
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	0.0	87.2
151	81.5	0.0	163.0

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#10

1,1-Dichloroethene

Concen: 19.699 ug/l

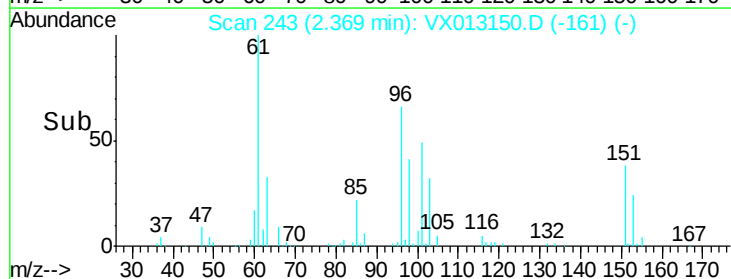
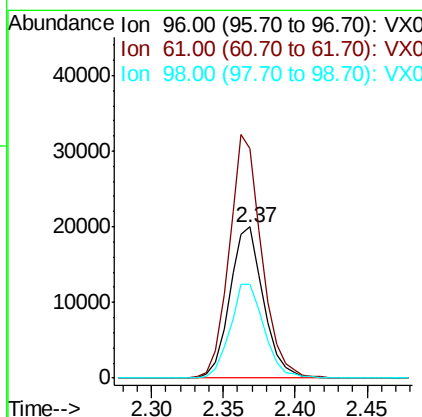
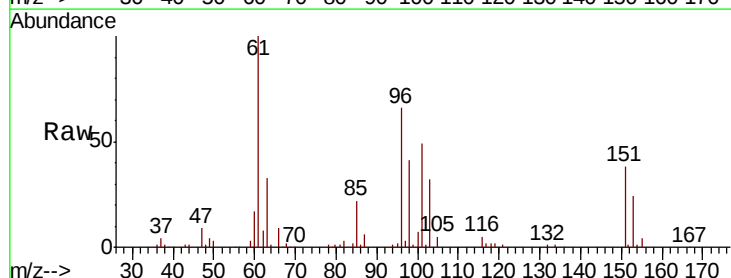
RT: 2.37 min Scan# 243

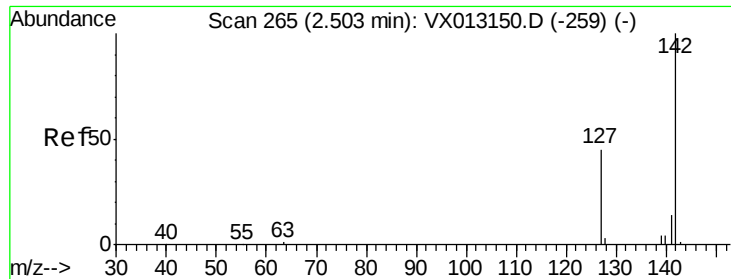
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.3	181.9
98	61.9	49.5	74.3





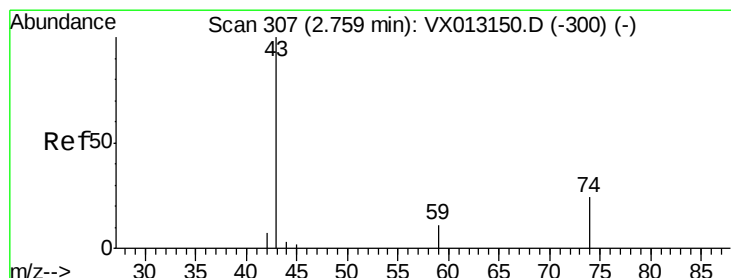
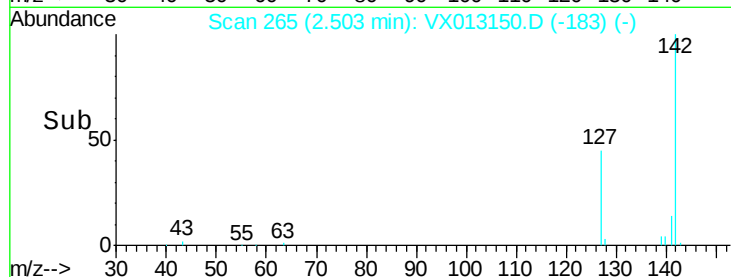
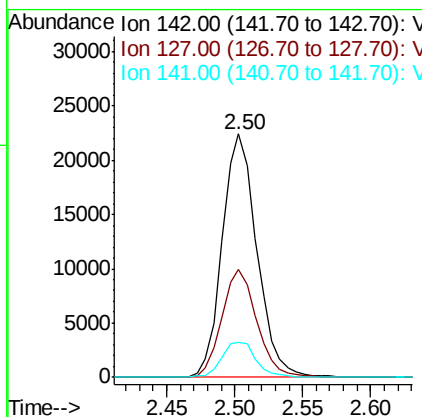
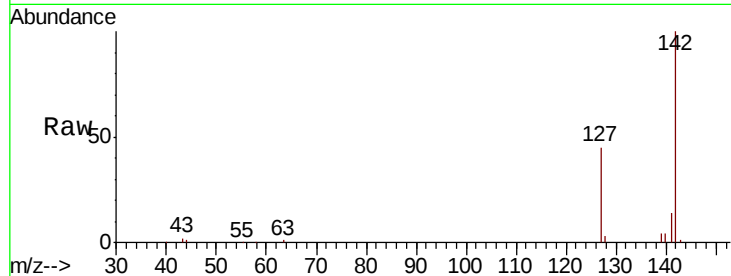
#11
Methyl Iodide
Concen: 19.377 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	22.3	66.9
141	14.2	7.1	21.3

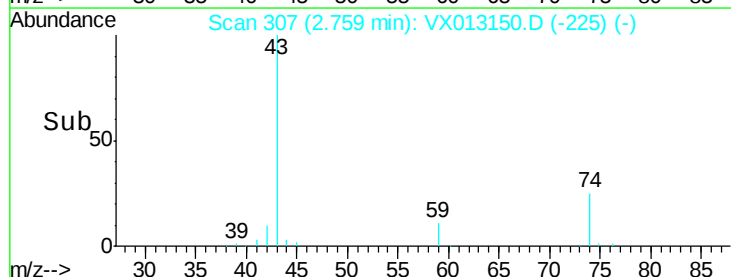
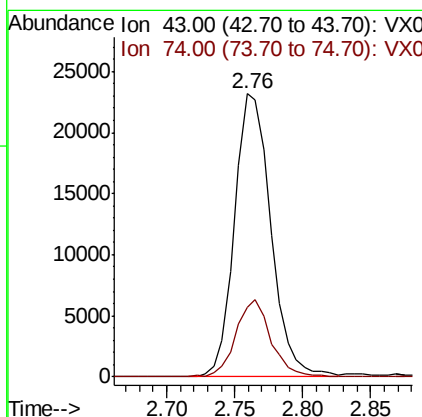
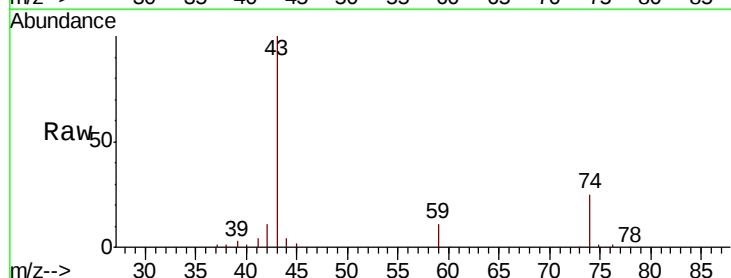
Manual Integrations
APPROVED

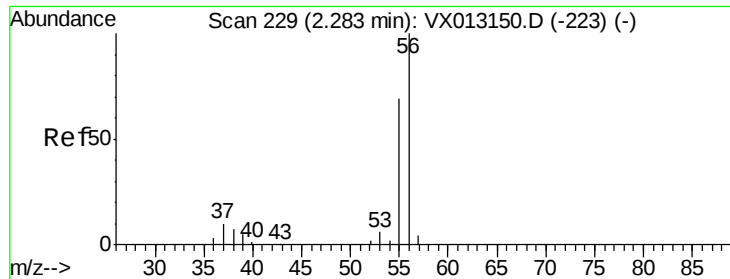
MMDadoda
10/22/2019 12:30:11 PM



#12
Methyl Acetate
Concen: 18.828 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.7	29.5





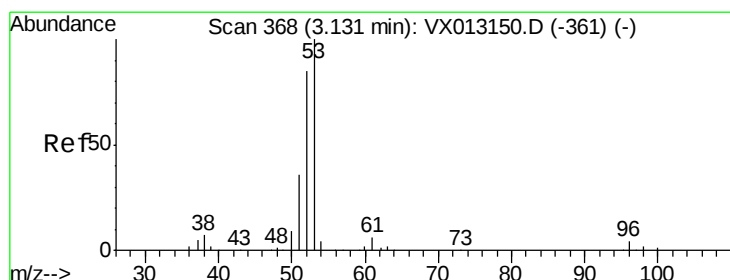
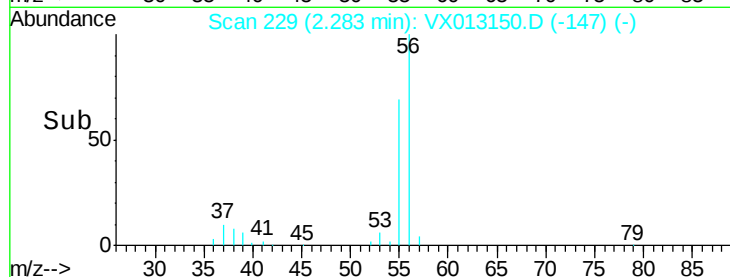
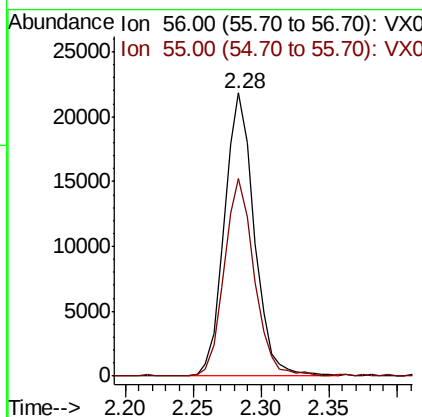
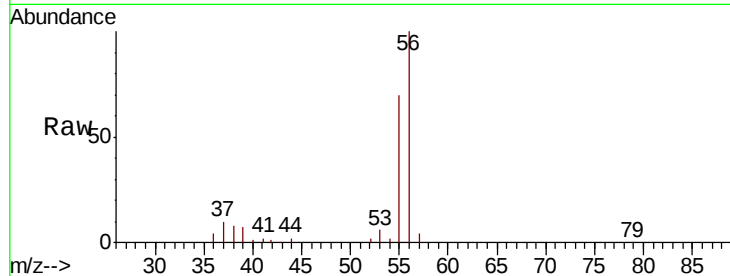
#13
Acrolein
Concen: 99.815 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	56	55	Ratio	Lower	Upper
33380	100	69.8		55.8	83.8

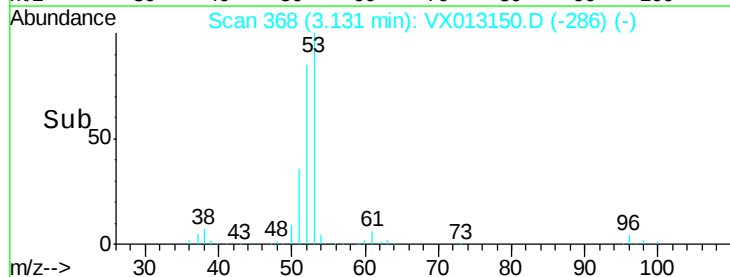
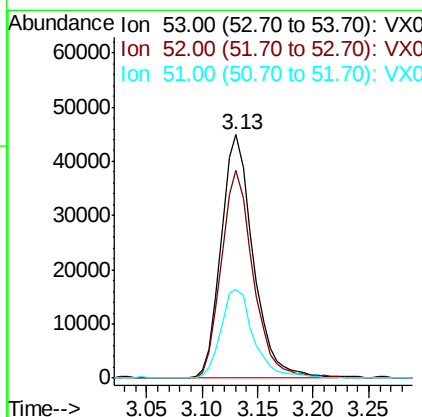
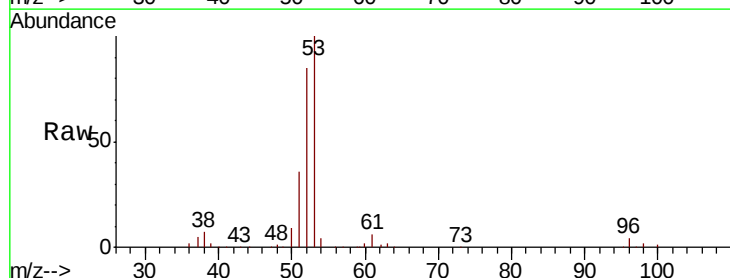
Manual Integrations
APPROVED

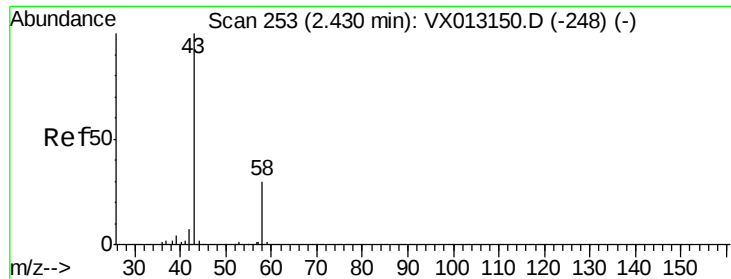
MMDadoda
10/22/2019 12:30:11 PM



#14
Acrylonitrile
Concen: 94.501 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	53	52	51	Ratio	Lower	Upper
90114	100	84.0	37.3		42.0	126.0
					18.6	56.0





#15

Acetone

Concen: 95.567 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 31089

Ion Ratio Lower Upper

58 100

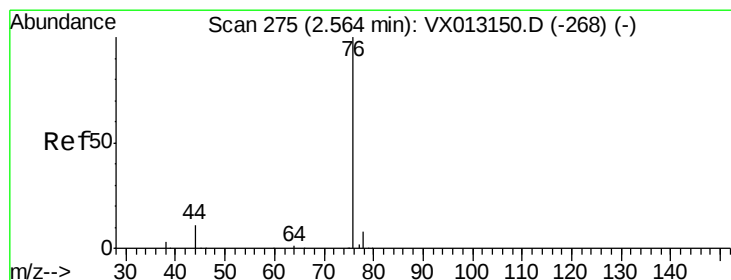
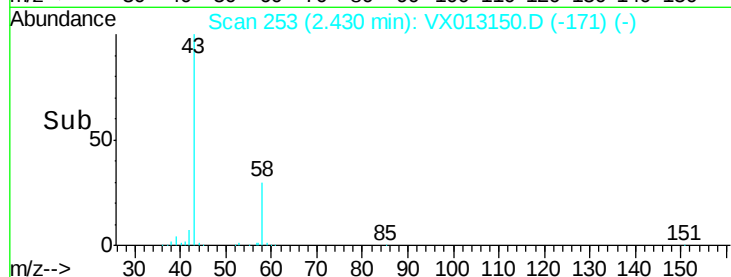
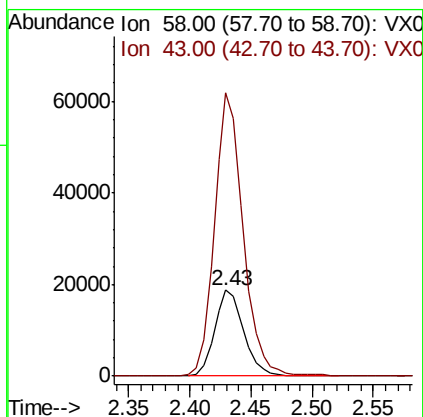
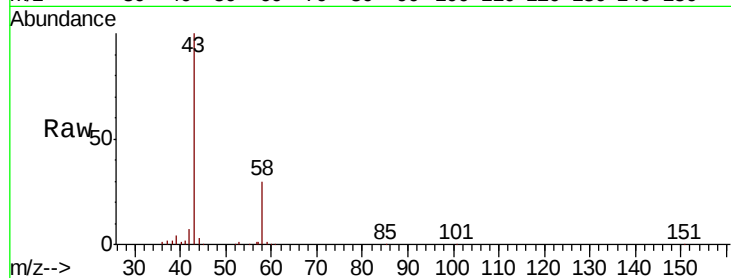
43 328.5 262.8 394.2

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#16

Carbon Disulfide

Concen: 19.092 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013150.D

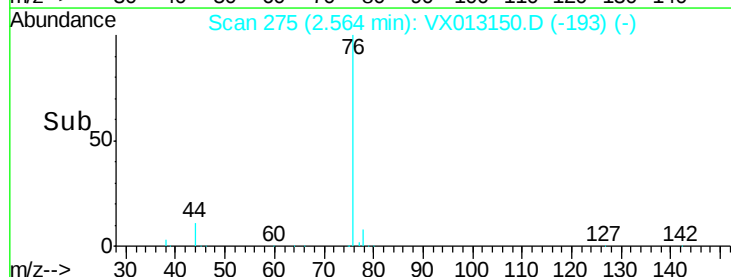
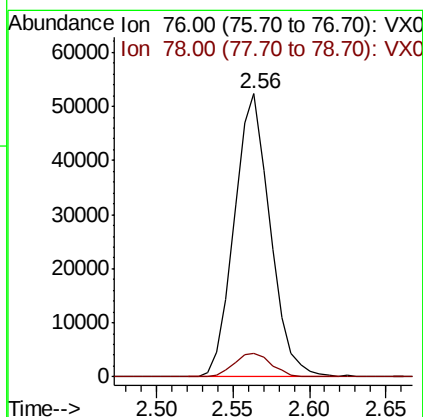
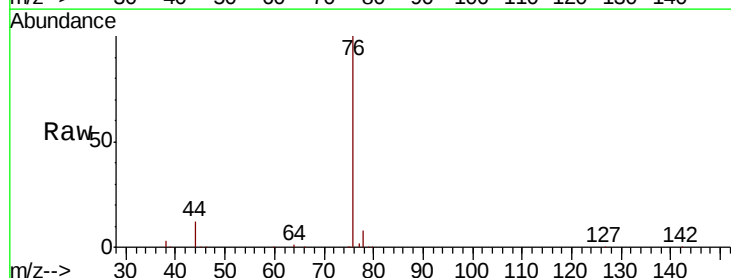
Acq: 21 Oct 2019 12:37

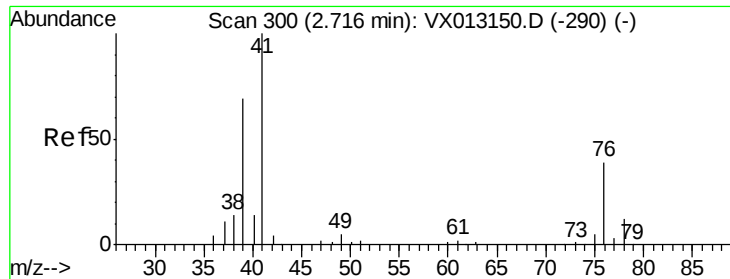
Tgt Ion: 76 Resp: 85014

Ion Ratio Lower Upper

76 100

78 8.3 6.6 10.0





#17

Allvl chloride

Concen: 18.697 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

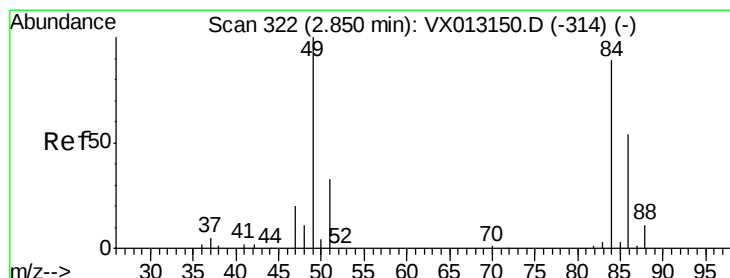
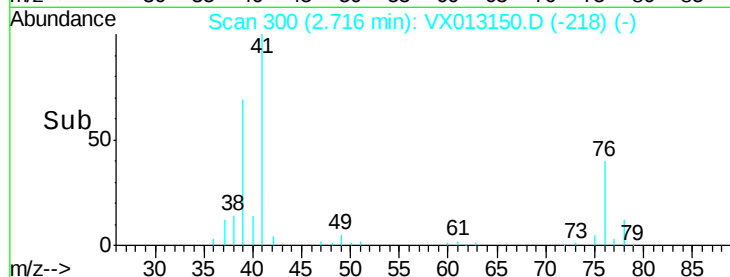
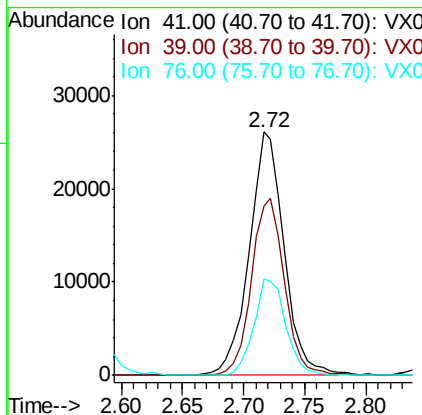
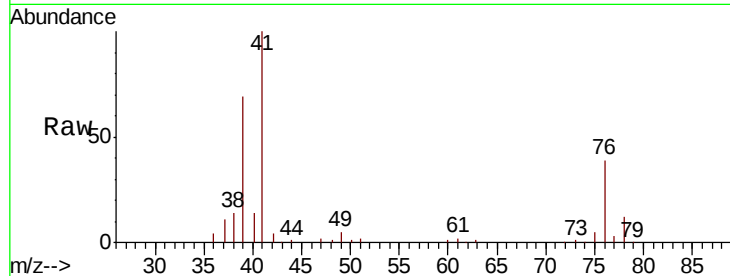
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	51772
Ion	Ratio	Lower	Upper
41	100		
39	69.4	34.7	104.1
76	39.3	19.7	59.0

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#18

Methylene Chloride

Concen: 19.863 ug/l

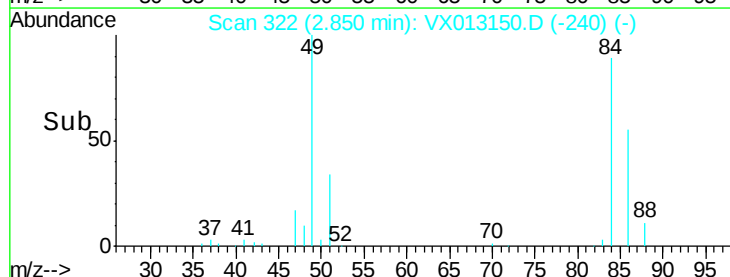
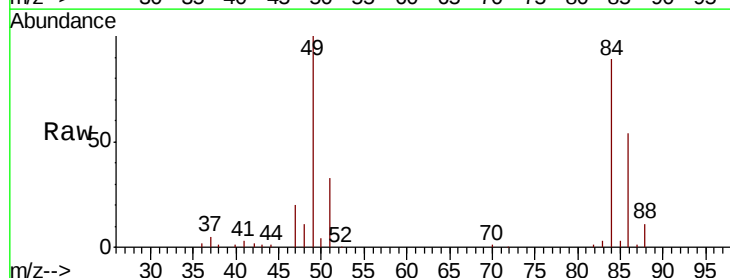
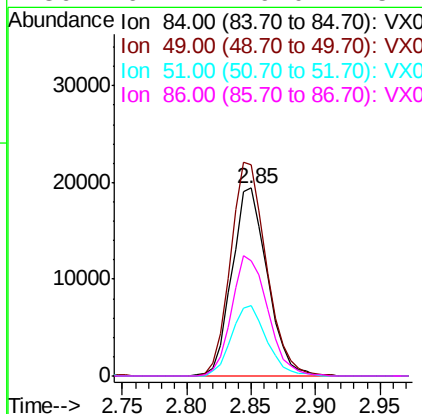
RT: 2.85 min Scan# 322

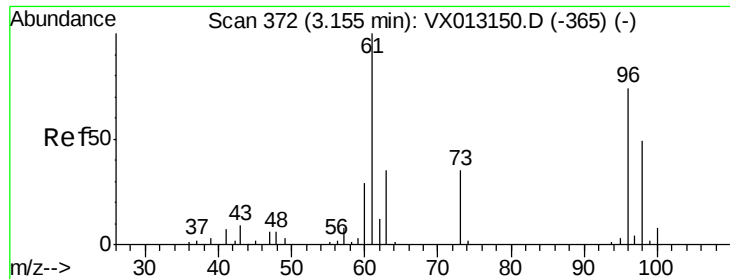
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion:	84	Resp:	37254
Ion	Ratio	Lower	Upper
84	100		
49	112.9	90.3	135.5
51	37.4	29.9	44.9
86	61.2	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 19.618 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 96 Resp: 34536

Ion Ratio Lower Upper

96 100

61 135.7 108.6 162.8

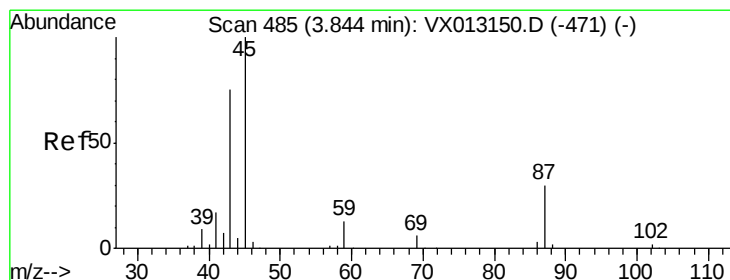
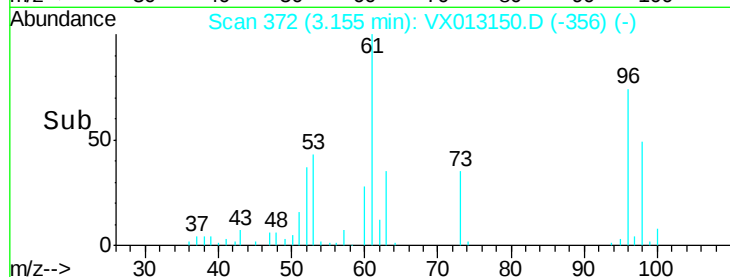
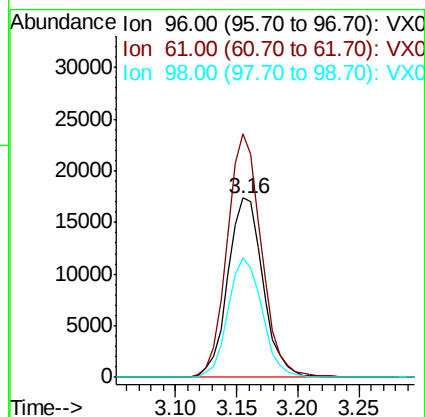
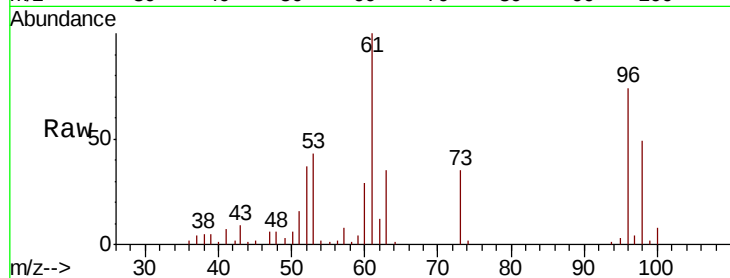
98 66.7 53.4 80.0

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#20

Diisopropyl ether

Concen: 19.248 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion: 45 Resp: 101971

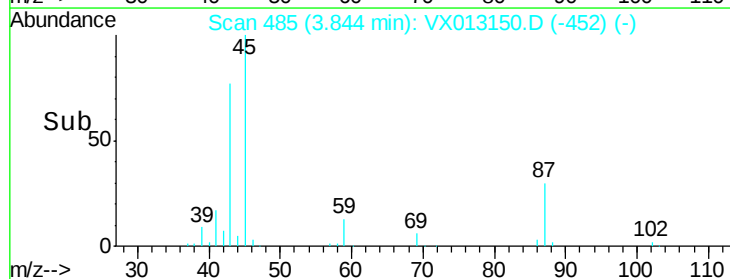
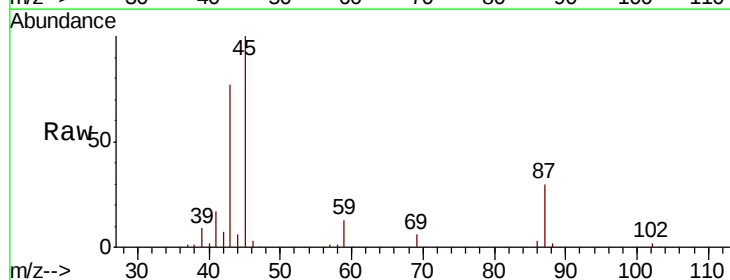
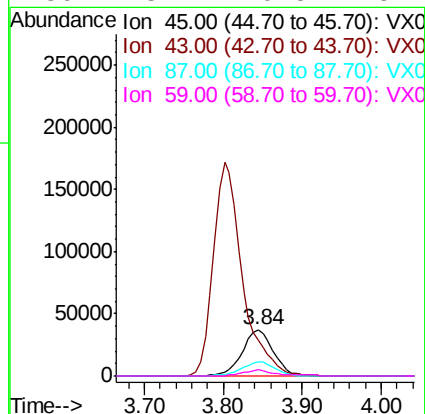
Ion Ratio Lower Upper

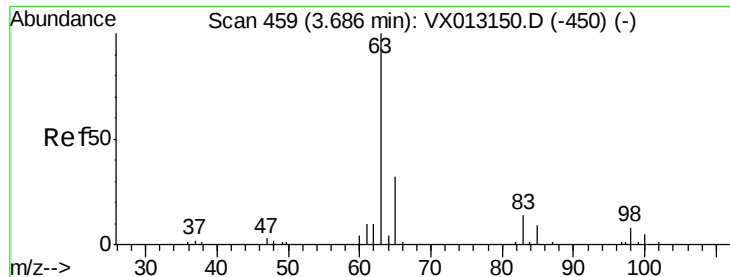
45 100

43 75.8 60.6 91.0

87 30.2 24.2 36.2

59 13.1 10.5 15.7





#21

1,1-Dichloroethane

Concen: 19.712 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

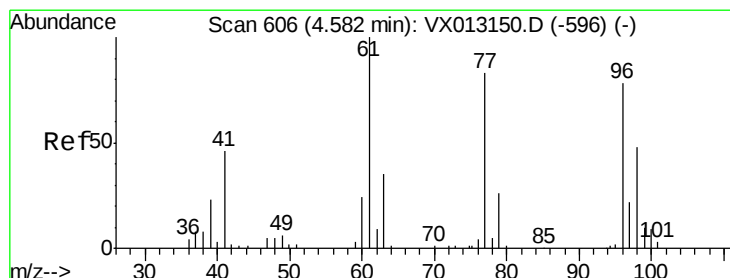
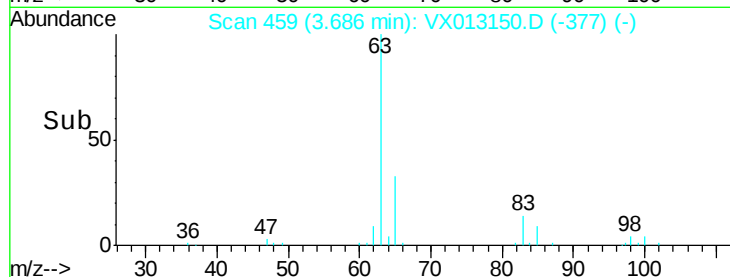
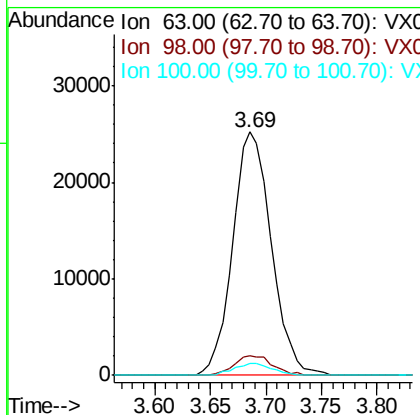
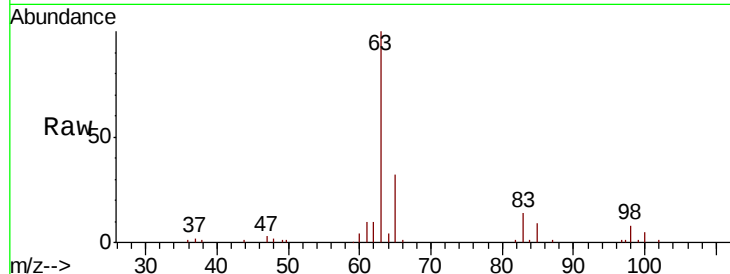
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	60815
Ion	Ratio	Lower	Upper
63	100		
98	8.3	4.2	12.4
100	4.8	2.4	7.2

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#22

cis-1,2-Dichloroethene

Concen: 19.572 ug/l

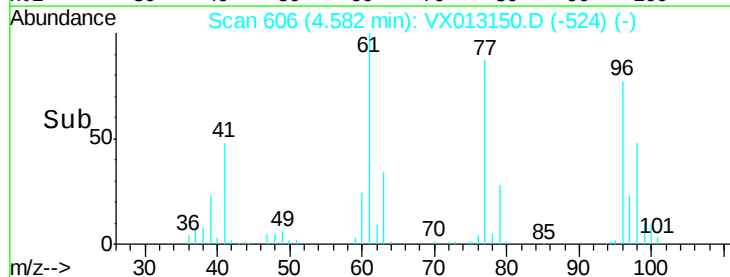
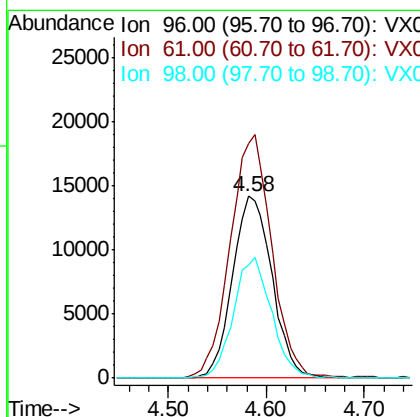
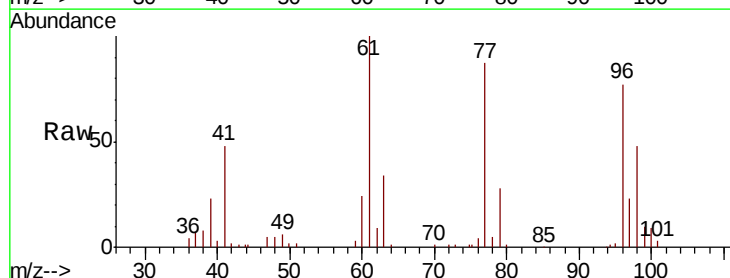
RT: 4.58 min Scan# 606

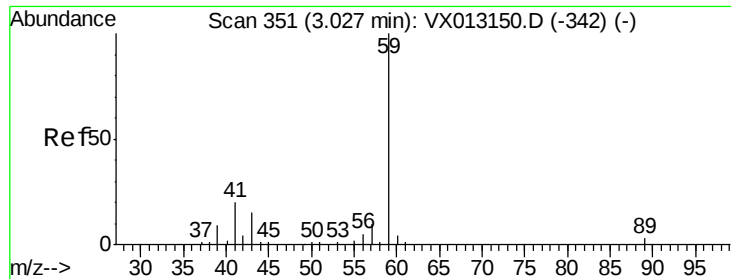
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion:	96	Resp:	39768
Ion	Ratio	Lower	Upper
96	100		
61	140.6	112.5	168.7
98	64.0	51.2	76.8





#23

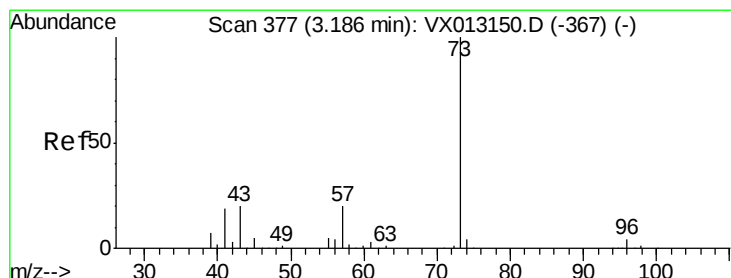
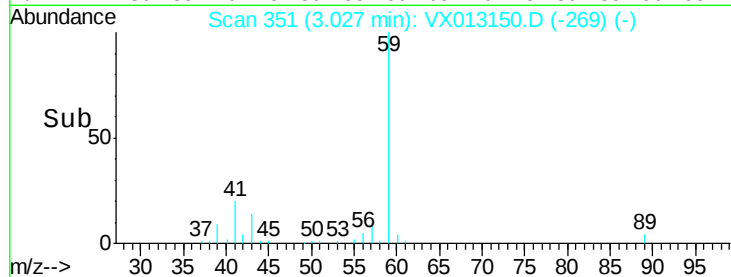
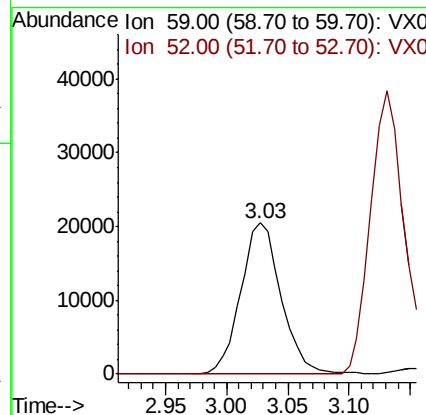
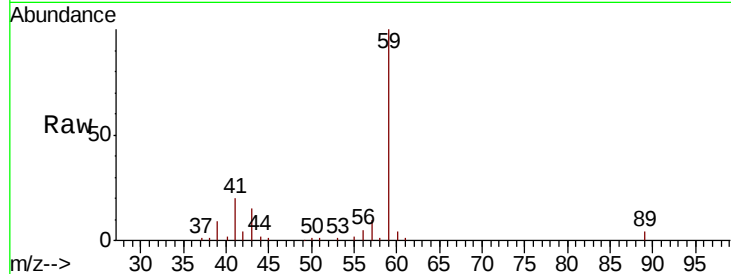
tert-Butyl Alcohol
 Concen: 96.777 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

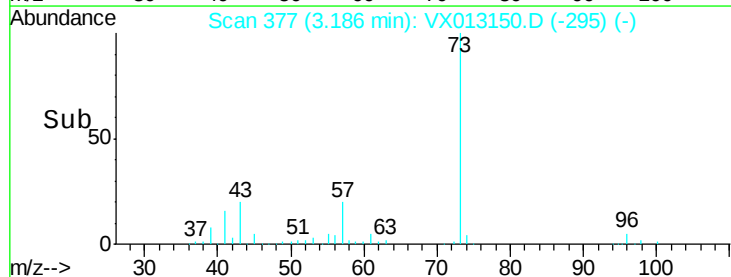
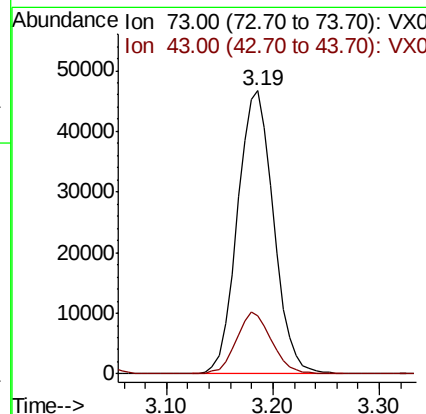
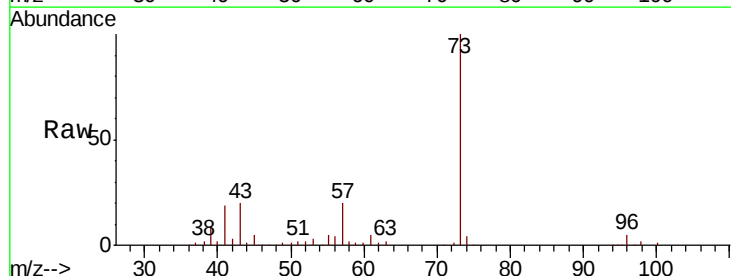
MMDadoda
 10/22/2019 12:30:11 PM

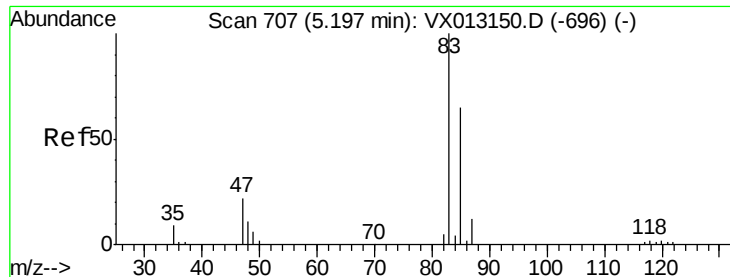


#24

Methyl tert-Butyl Ether
 Concen: 19.797 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.1	25.7





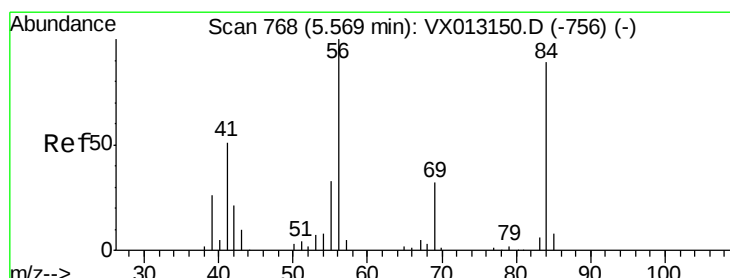
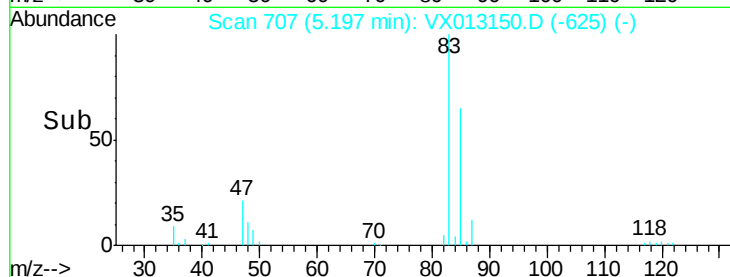
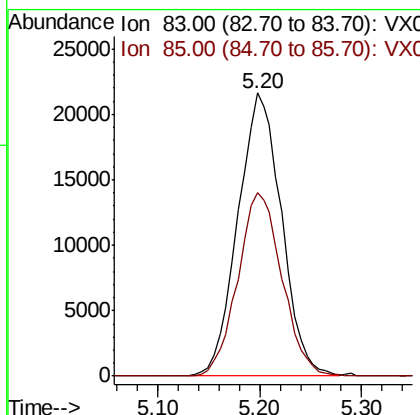
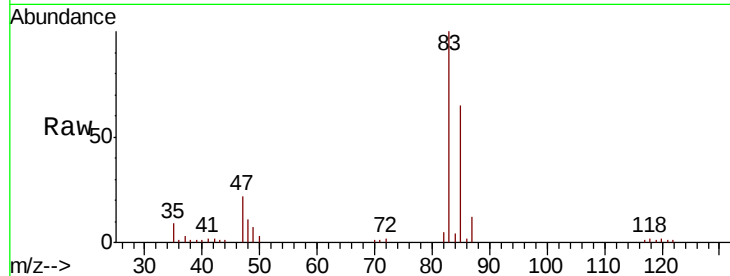
#25
Chloroform
Concen: 20.047 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	64142
Ion Ratio	100	Lower	Upper
85	65.0	52.0	78.0

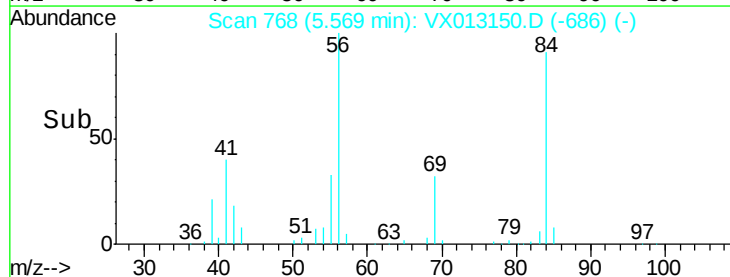
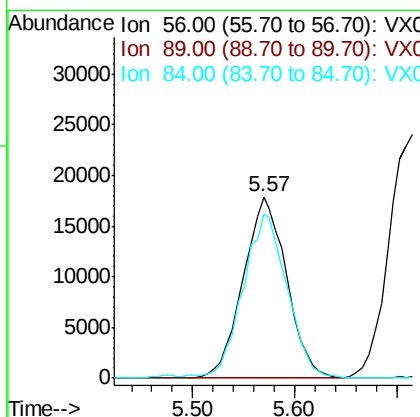
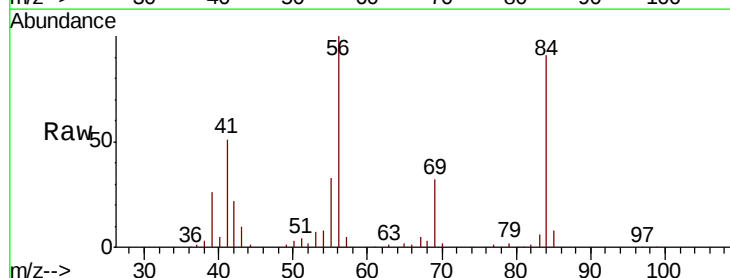
Manual Integrations
APPROVED

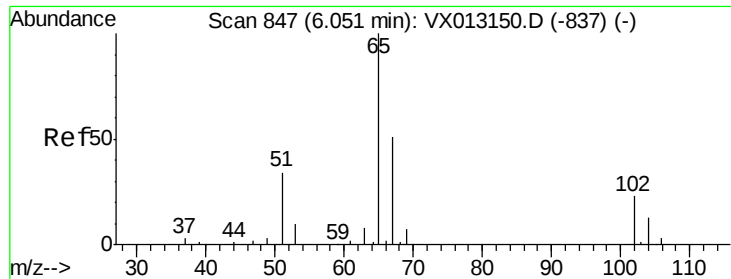
MMDadoda
10/22/2019 12:30:11 PM



#26
Cyclohexane
Concen: 18.958 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	56	Resp	52765
Ion Ratio	100	Lower	Upper
89	0.2	0.2	0.2
84	92.5	74.0	111.0





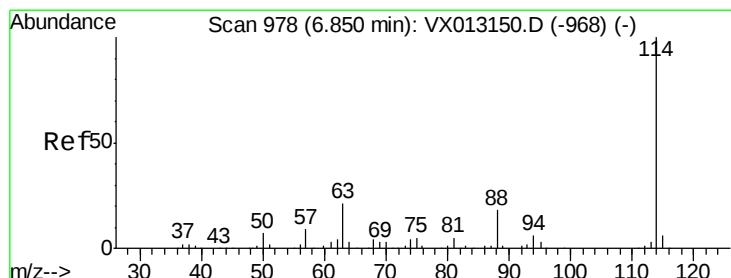
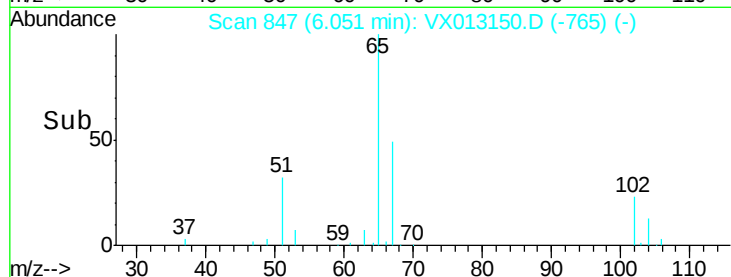
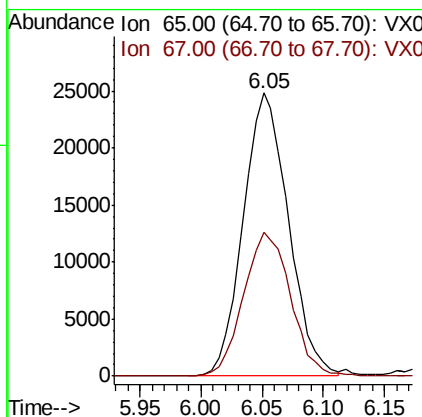
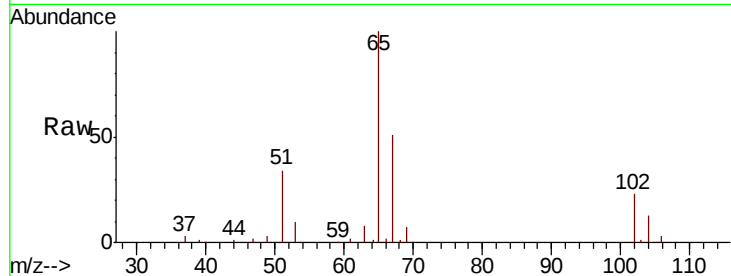
#27
 1,2-Dichloroethane-d4
 Concen: 30.462 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 63757
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.2 63.4

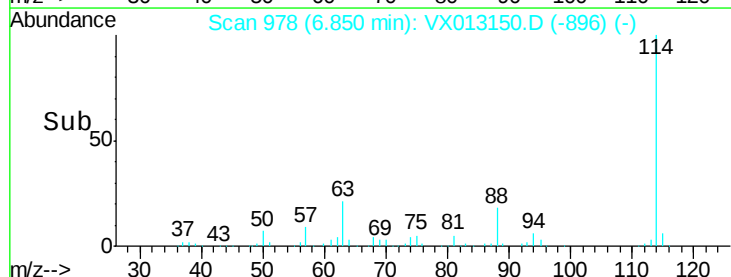
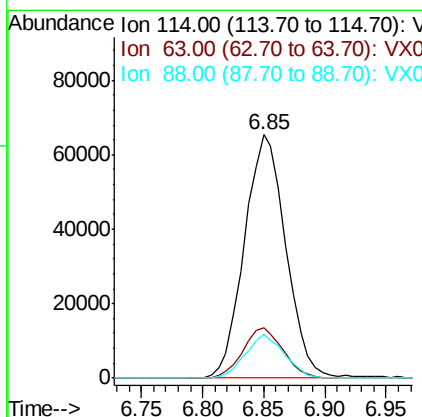
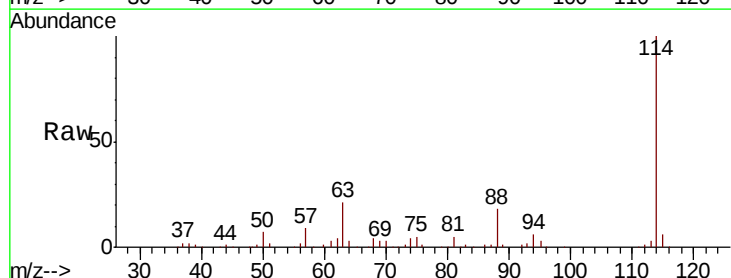
Manual Integrations
 APPROVED

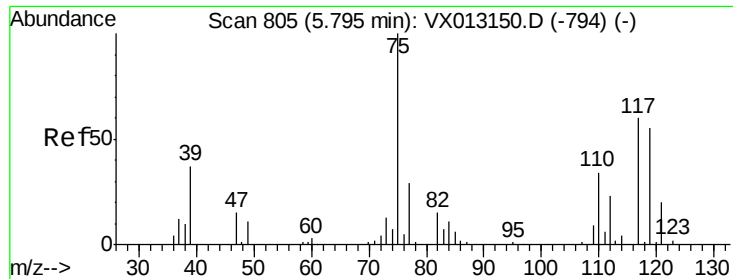
MMDadoda
 10/22/2019 12:30:11 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion: 114 Resp: 153840
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.1 13.7 20.5





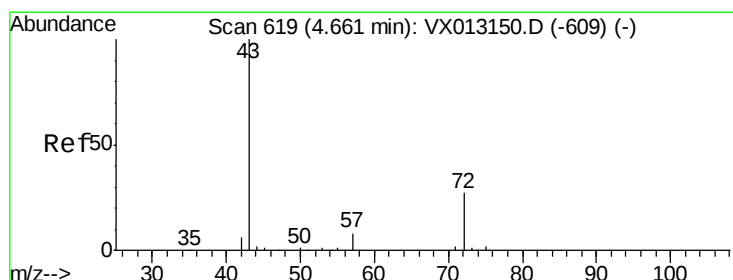
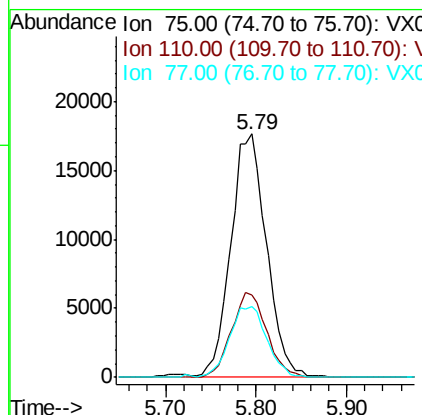
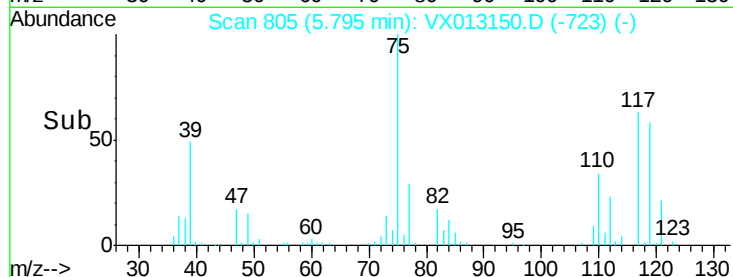
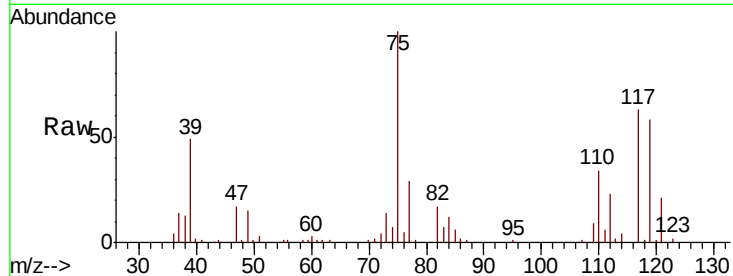
#29
 1,1-Dichloropropene
 Concen: 20.341 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.2	0.0	68.4
77	15.4	0.0	30.8

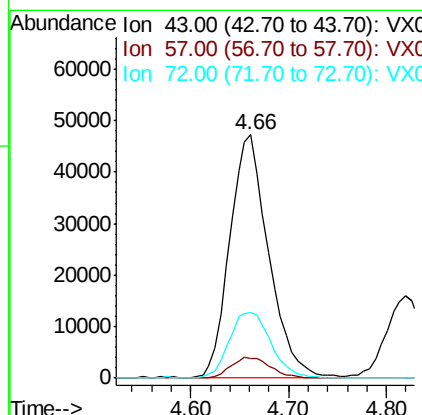
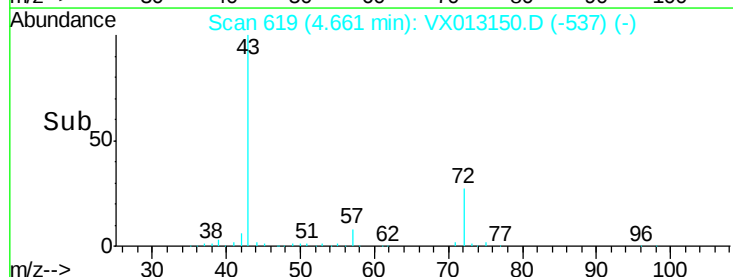
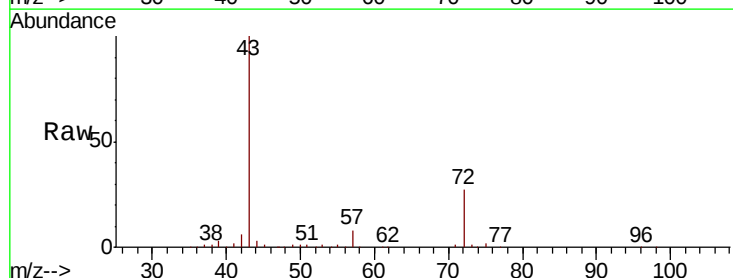
Manual Integrations
 APPROVED

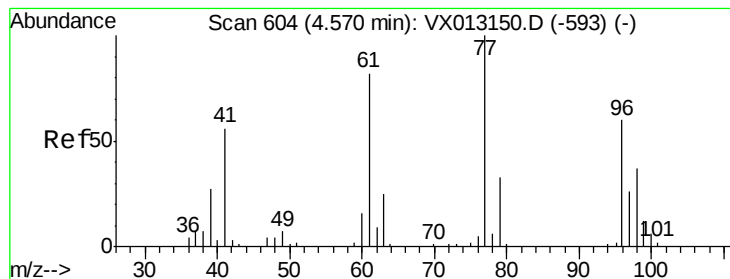
MMDadoda
 10/22/2019 12:30:11 PM



#30
 2-Butanone
 Concen: 95.241 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.8	7.0	10.6
72	29.3	23.4	35.2





#31

2,2-Dichloropropane

Concen: 20.502 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 54818

Ion Ratio Lower Upper

77 100

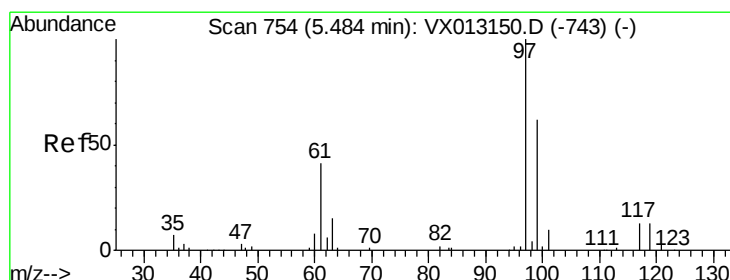
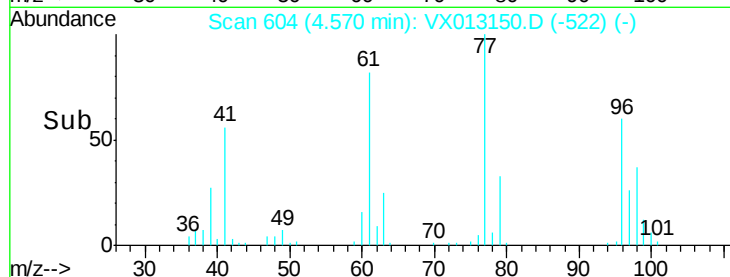
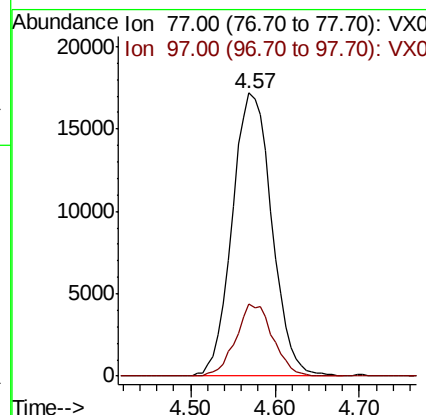
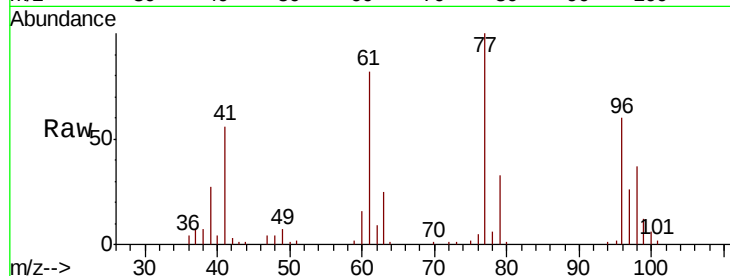
97 23.9 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#32

1,1,1-Trichloroethane

Concen: 20.609 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

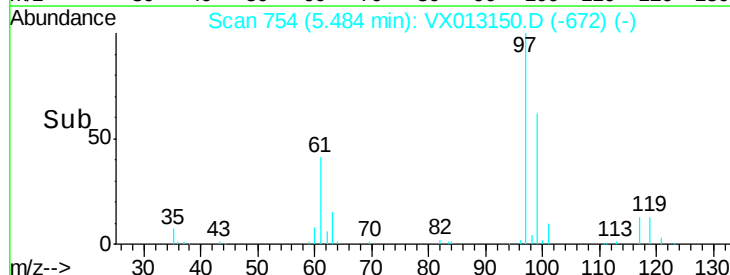
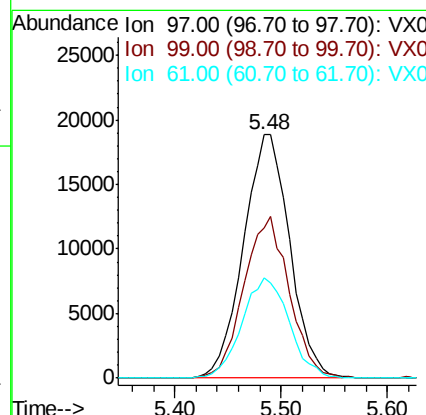
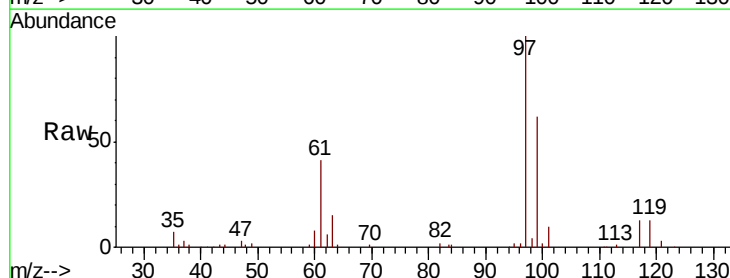
Tgt Ion: 97 Resp: 57455

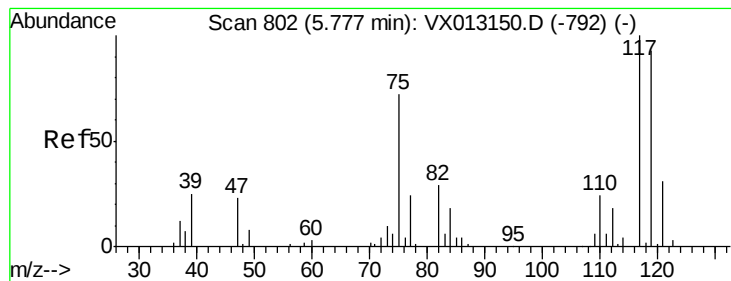
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 41.9 33.5 50.3





#33

Carbon Tetrachloride

Concen: 20.549 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

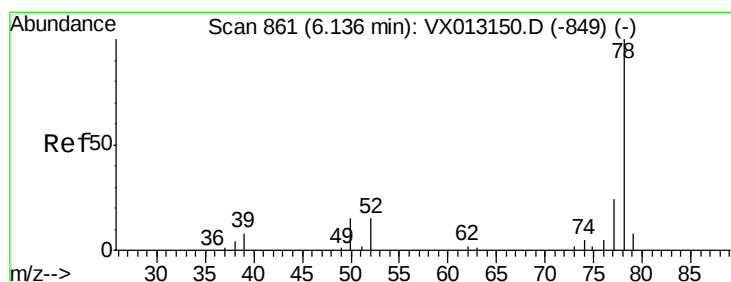
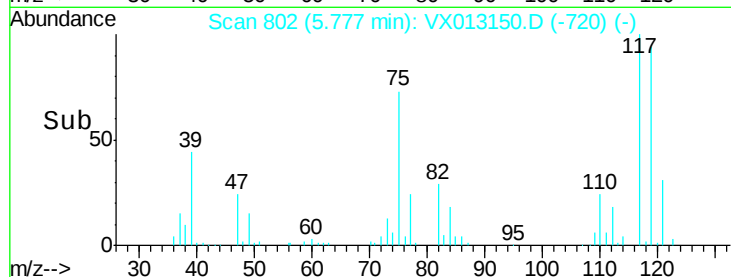
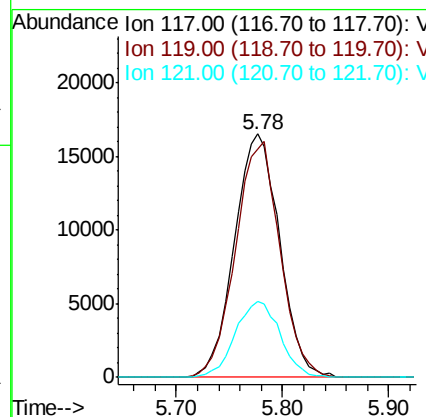
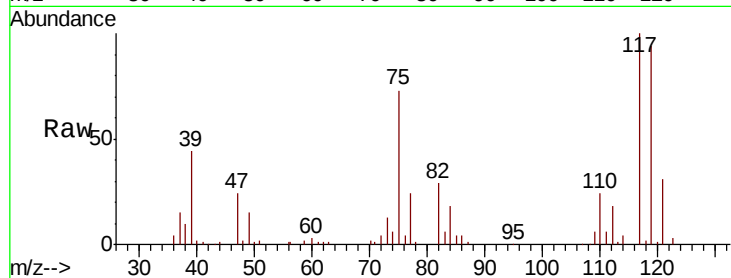
ClientSampleId :

VSTDICCC020

Tot Ion:	117	Resp:	49135
Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.9	112.3
121	31.2	25.0	37.4

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#34

Benzene

Concen: 20.058 ug/l

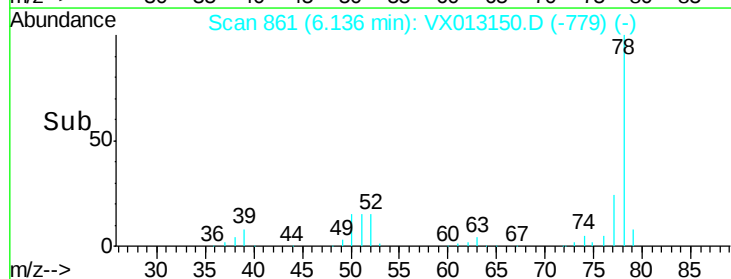
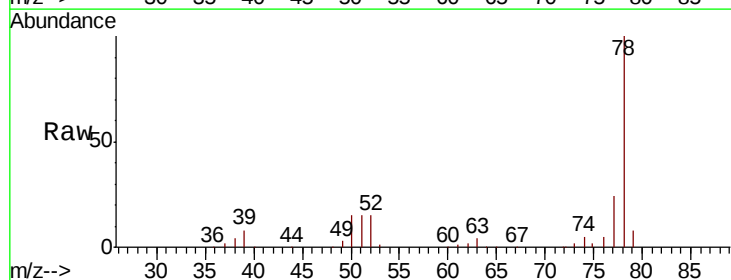
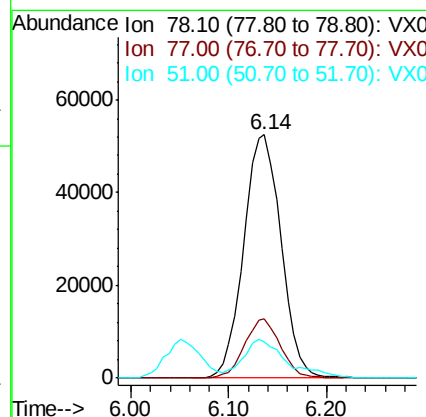
RT: 6.14 min Scan# 861

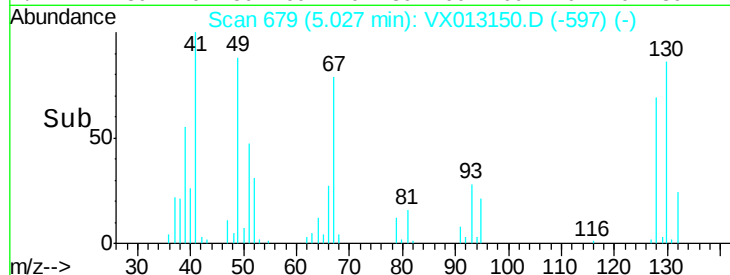
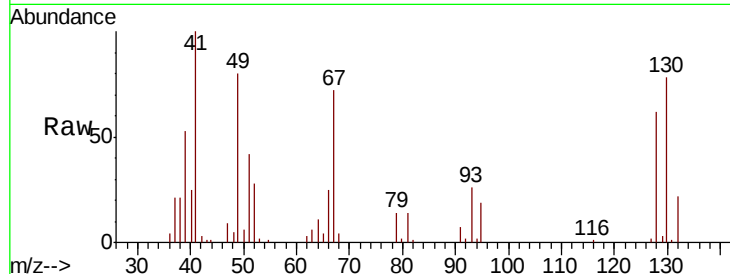
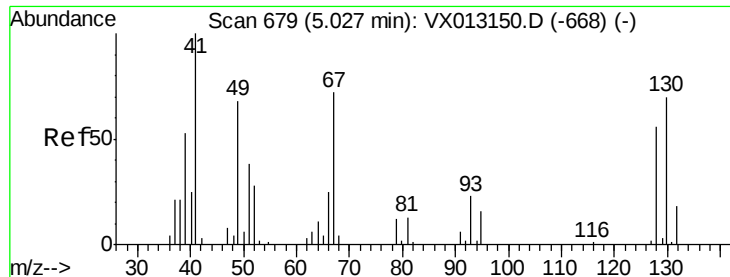
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

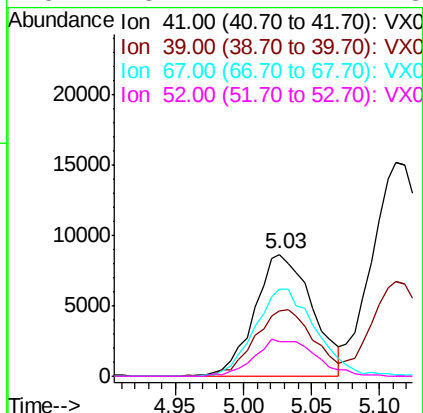
Tgt Ion:	78	Resp:	139970
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
51	14.3	11.4	17.2





#35
Methacrylonitrile
Concen: 18.984 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

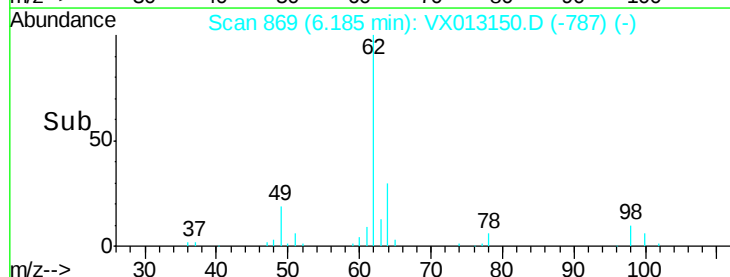
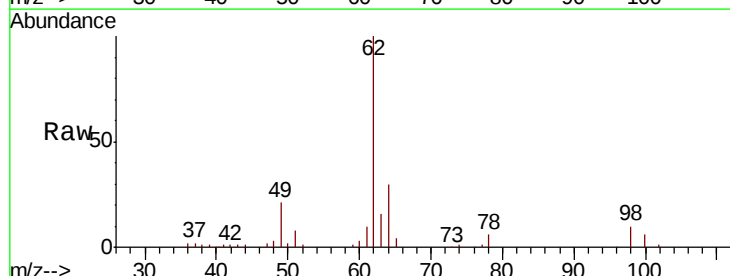
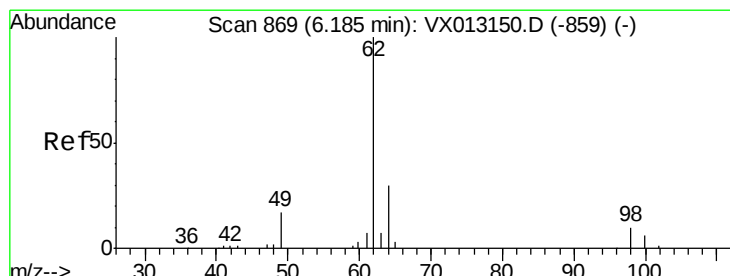
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	26.3	78.9	
67	71.6	35.8	107.4	
52	28.2	14.1	42.3	



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

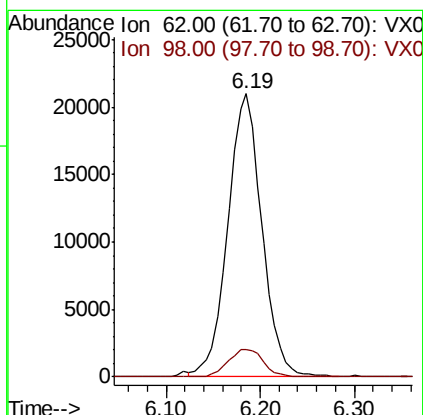
Manual Integrations
APPROVED

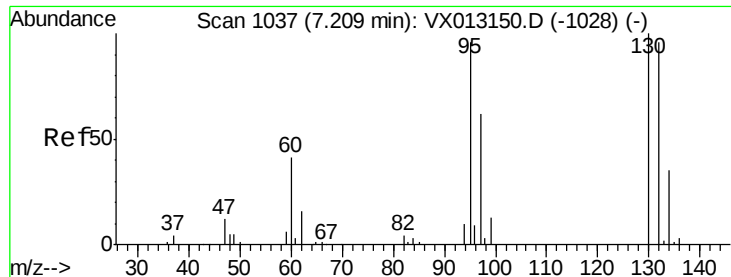
MMDadoda
10/22/2019 12:30:11 PM



#36
1,2-Dichloroethane
Concen: 20.760 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	8.0	12.0	





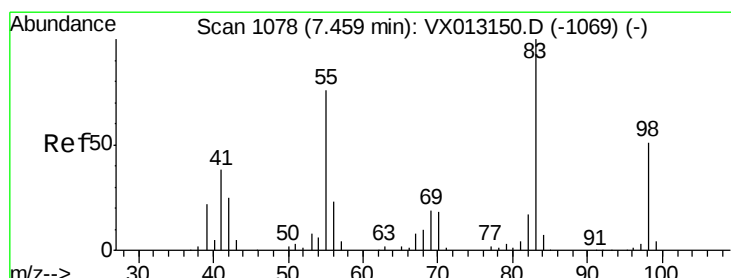
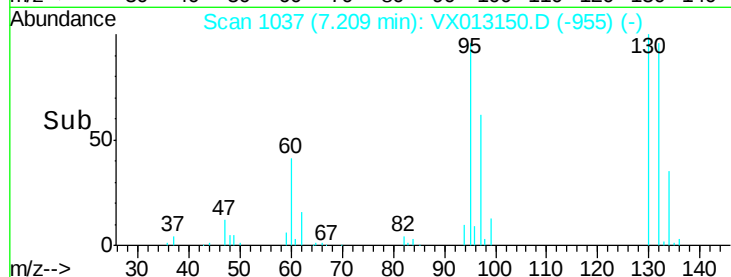
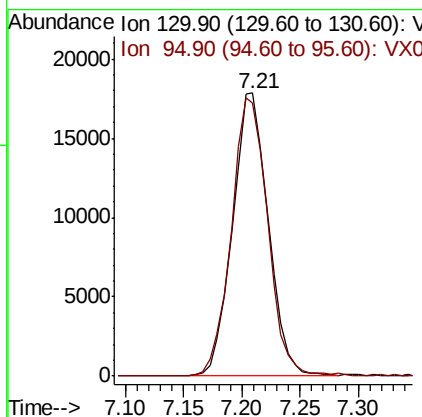
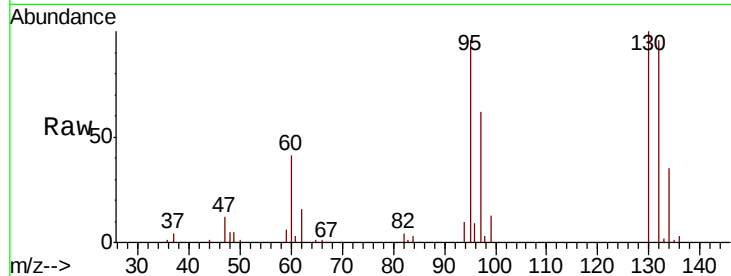
#37
 Trichloroethene
 Concen: 20.305 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 38205
 Ion Ratio Lower Upper
 130 100
 95 96.3 77.0 115.6

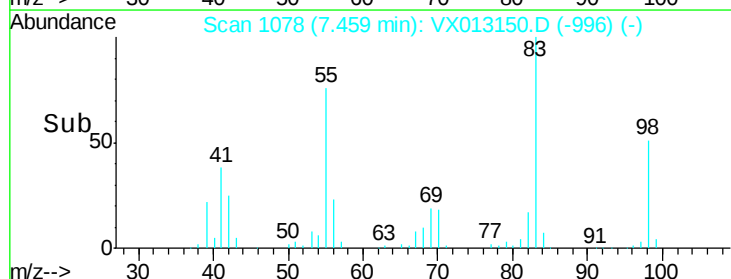
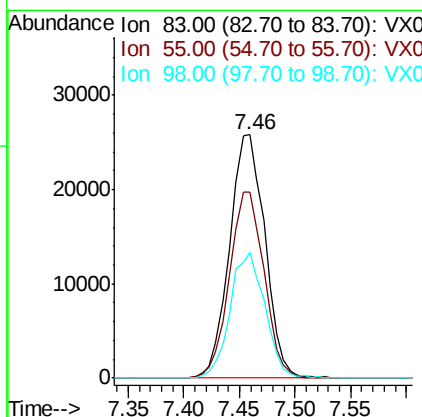
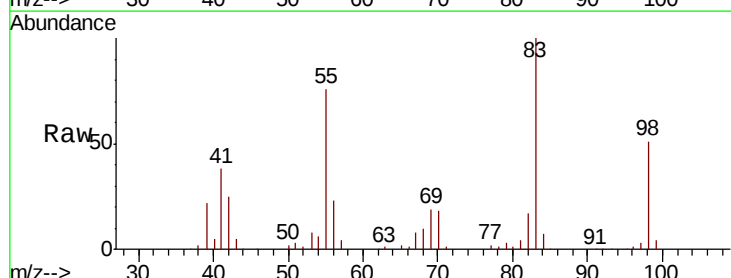
Manual Integrations
 APPROVED

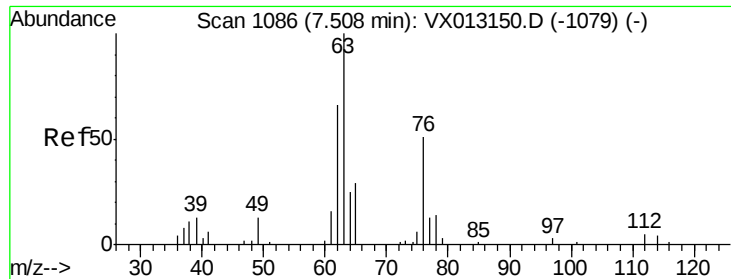
MMDadoda
 10/22/2019 12:30:11 PM



#38
 Methylcyclohexane
 Concen: 19.659 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion: 83 Resp: 56866
 Ion Ratio Lower Upper
 83 100
 55 75.0 37.5 112.5
 98 50.7 25.4 76.0





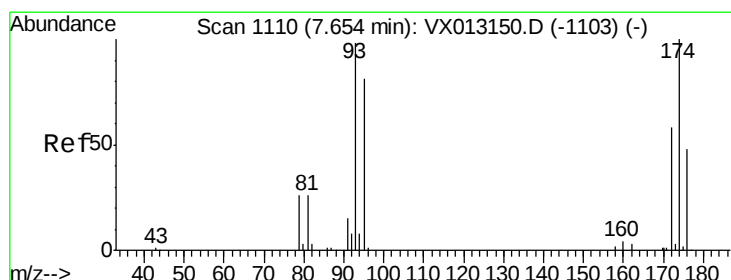
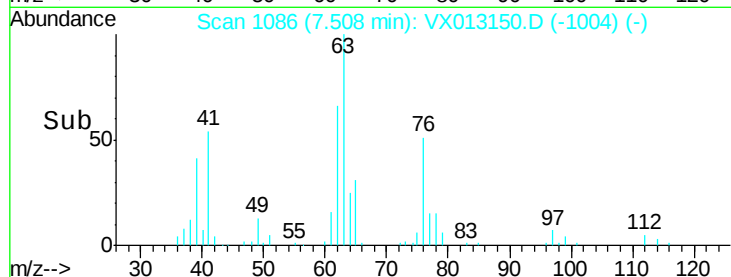
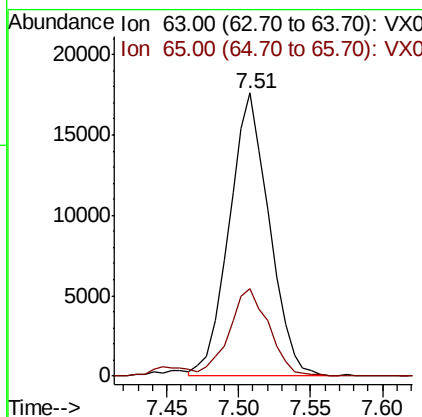
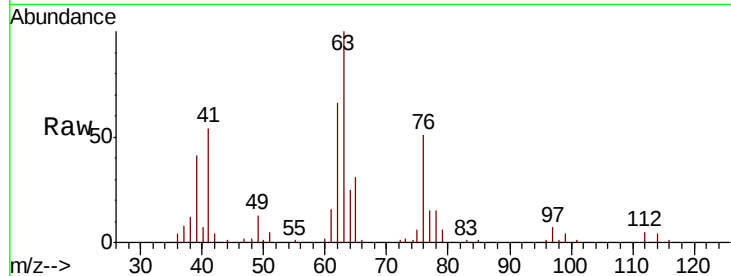
#39
 1,2-Dichloropropane
 Concen: 19.585 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 34074
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

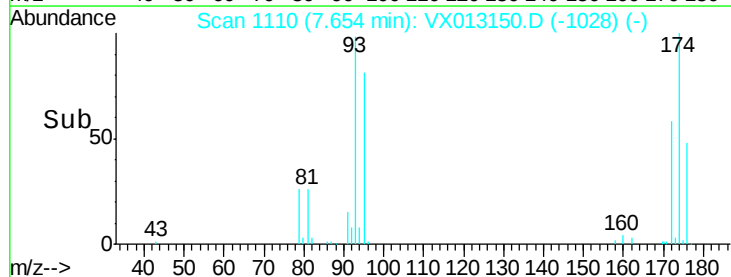
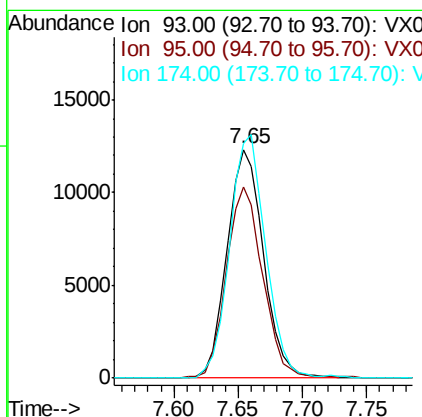
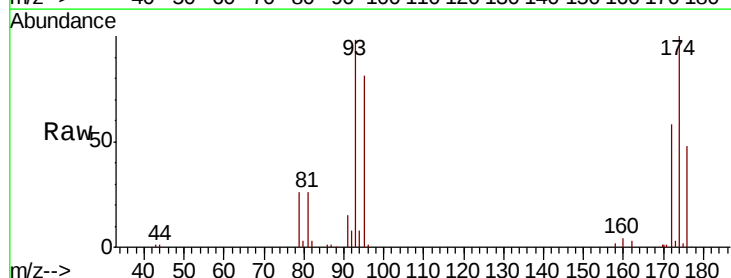
Manual Integrations
 APPROVED

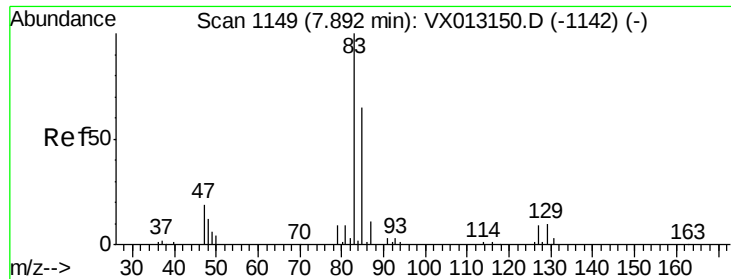
MMDadoda
 10/22/2019 12:30:11 PM



#40
 Dibromomethane
 Concen: 20.274 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion: 93 Resp: 24388
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 166.0
 174 104.4 0.0 208.8





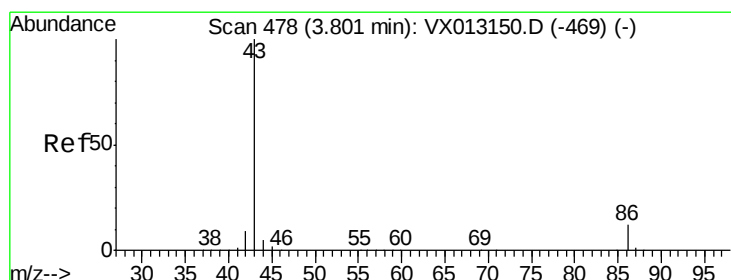
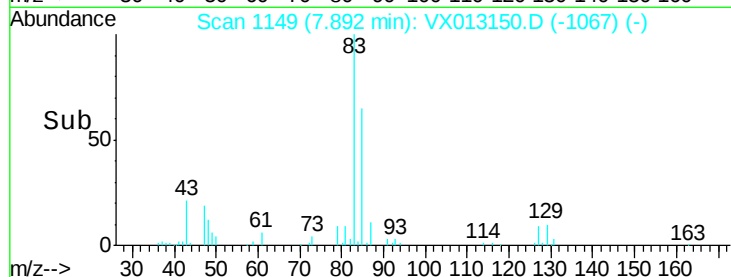
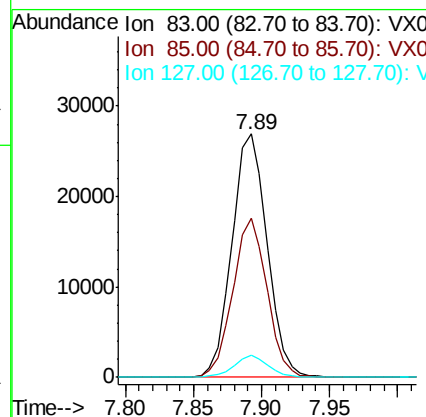
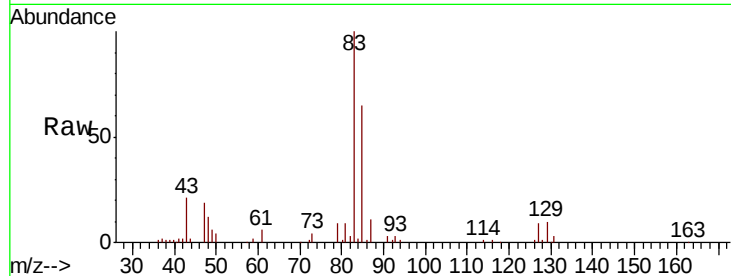
#41
Bromodichloromethane
Concen: 20.295 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	9.4	7.5	11.3

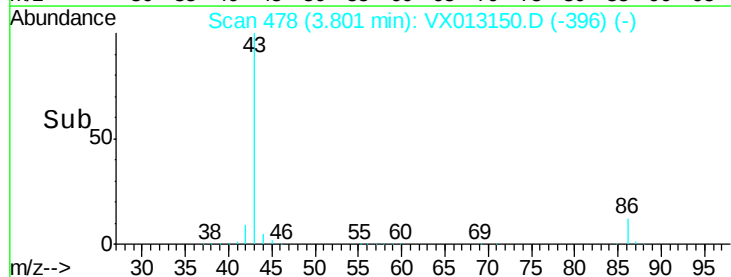
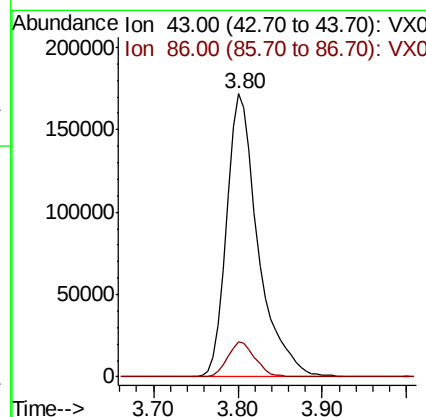
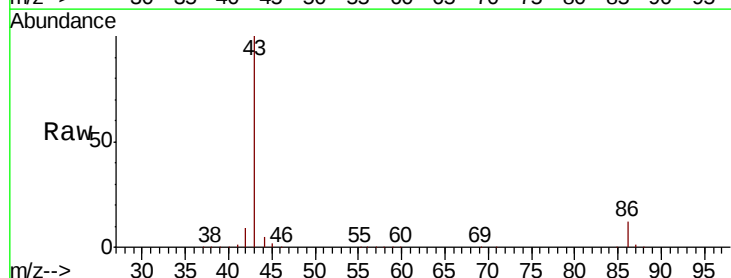
Manual Integrations
APPROVED

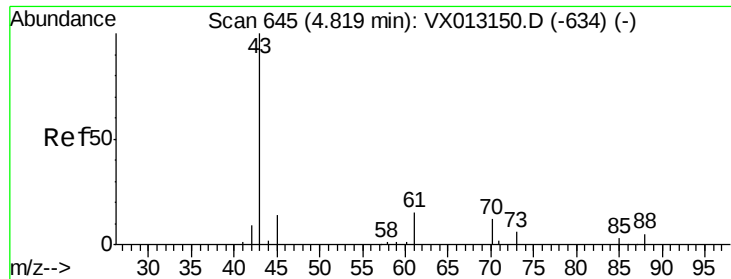
MMDadoda
10/22/2019 12:30:11 PM



#42
Vinyl Acetate
Concen: 97.731 ug/l
RT: 3.80 min Scan# 478
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8





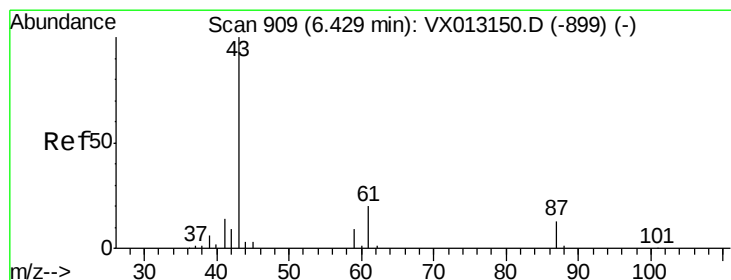
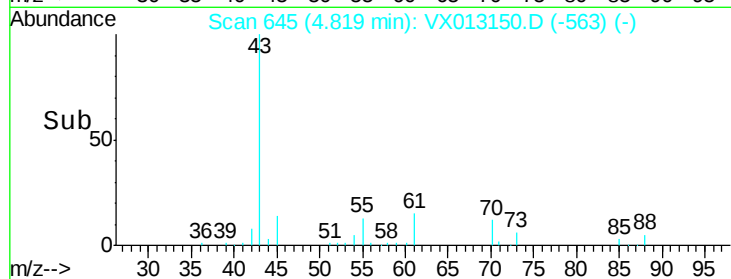
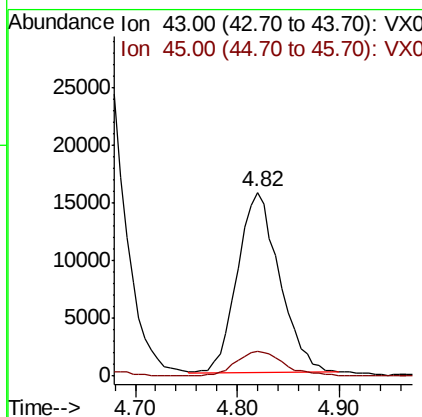
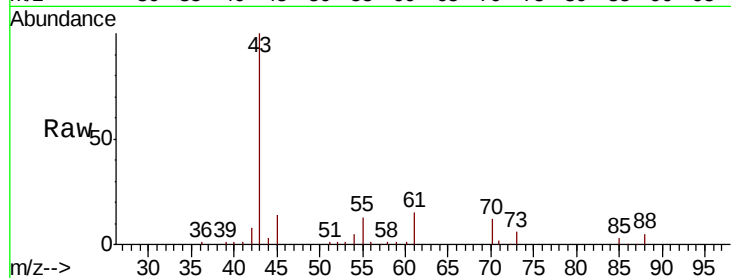
#43
Ethyl Acetate
Concen: 18.231 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 44985
Ion Ratio Lower Upper
43 100
45 15.7 12.6 18.8

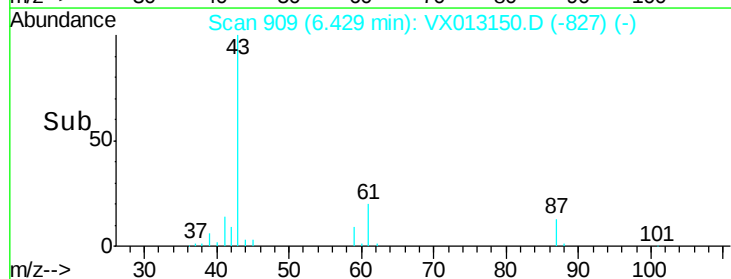
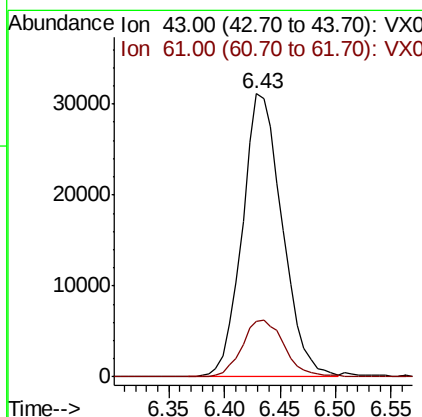
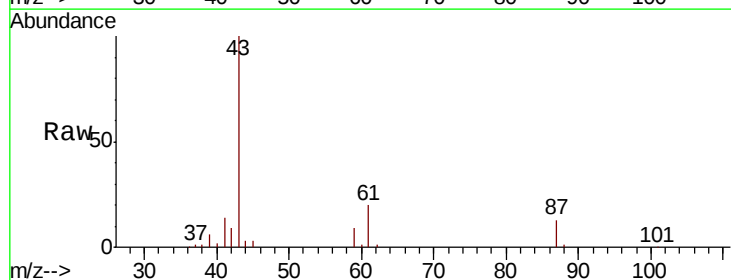
Manual Integrations
APPROVED

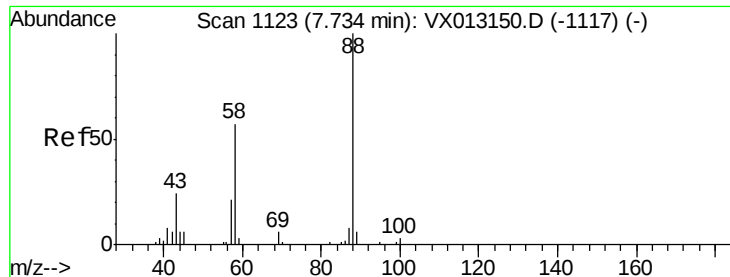
MMDadoda
10/22/2019 12:30:11 PM



#44
Isopropyl Acetate
Concen: 19.515 ug/l
RT: 6.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion: 43 Resp: 77870
Ion Ratio Lower Upper
43 100
61 21.0 16.8 25.2





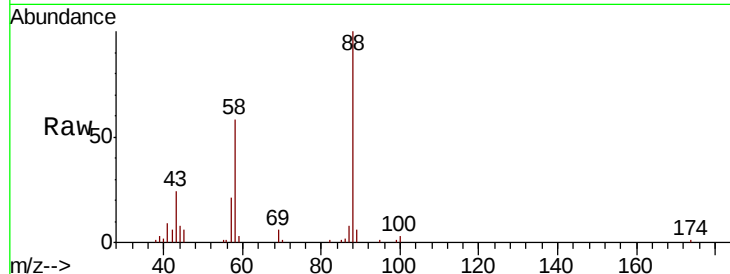
#45
1,4-Dioxane
Concen: 403.080 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.0	36.0
58	66.0	52.8	79.2

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



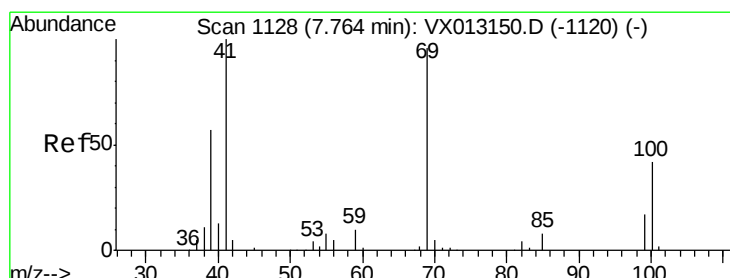
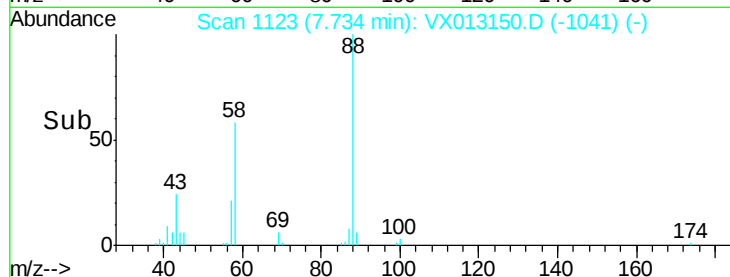
Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

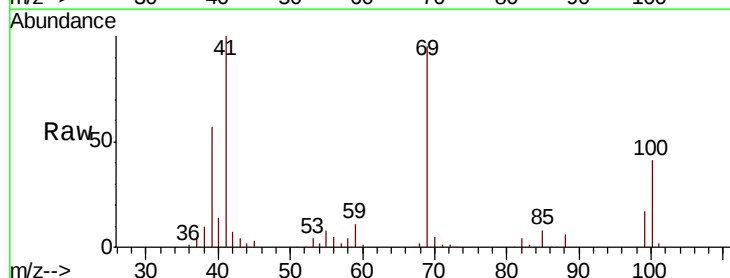
Ion 58.00 (57.70 to 58.70): VX0

Time-->



#46
Methyl methacrylate
Concen: 19.379 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.5	47.8	143.3
39	57.0	28.5	85.5



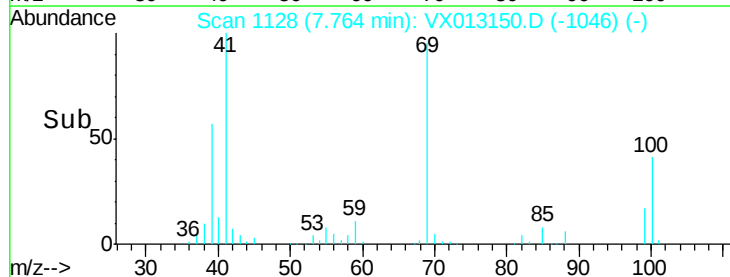
Abundance

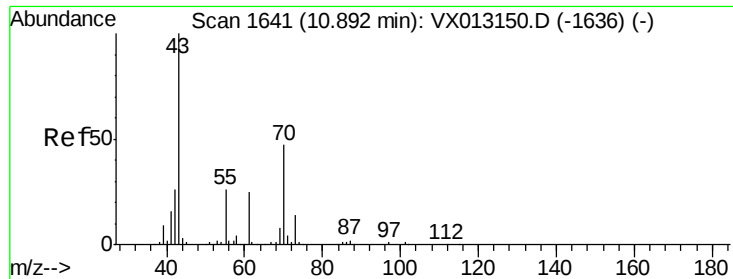
Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





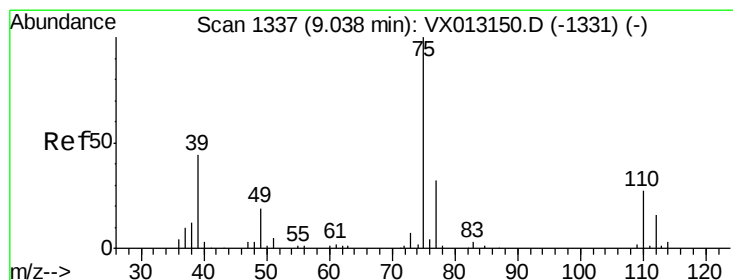
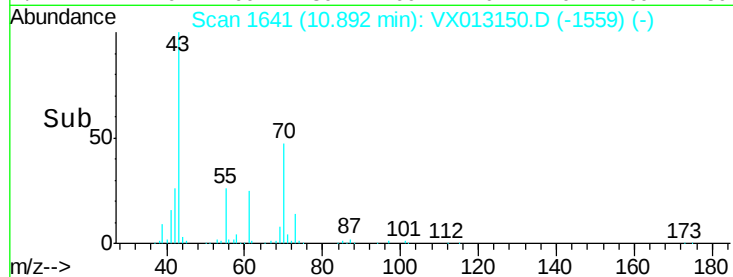
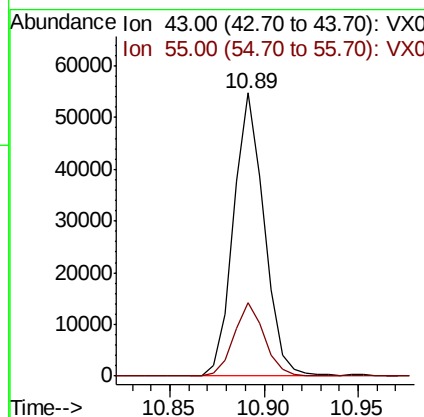
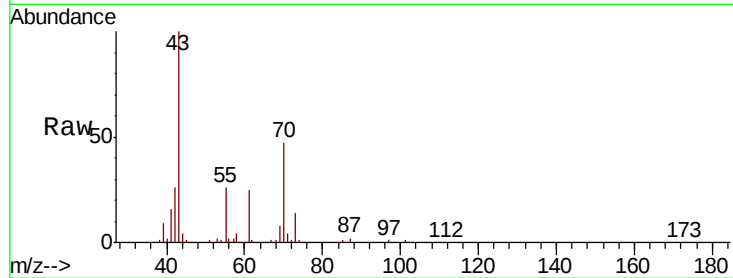
#47
n-amvl Acetate
Concen: 18.159 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	Resp	61750
Ion Ratio	100	Lower	Upper
43	100	20.9	31.3
55	26.1		

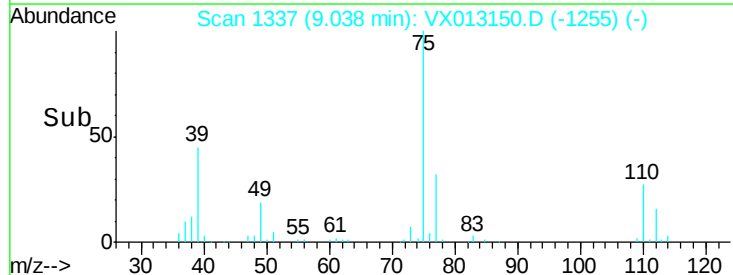
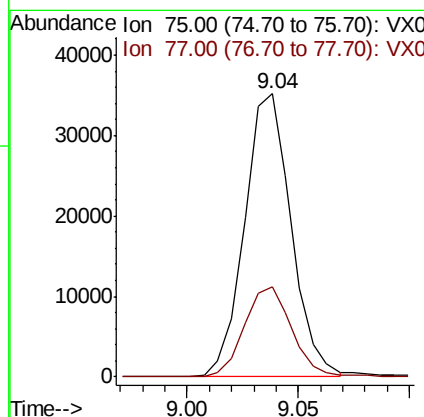
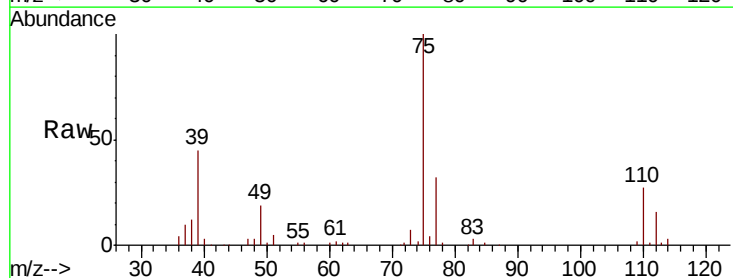
Manual Integrations
APPROVED

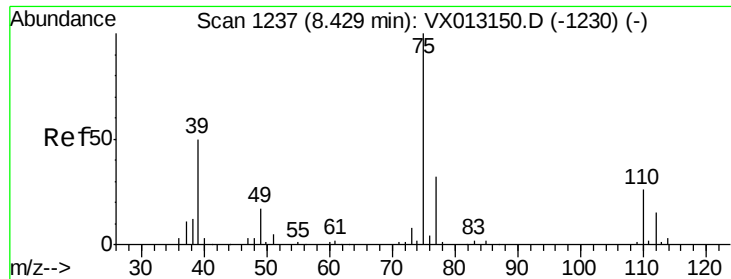
MMDadoda
10/22/2019 12:30:11 PM



#48
t-1,3-Dichloropropene
Concen: 19.454 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	75	Resp	51334
Ion Ratio	100	Lower	Upper
75	100	25.6	38.4
77	32.0		





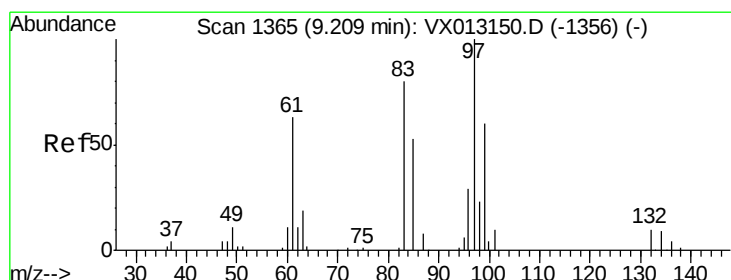
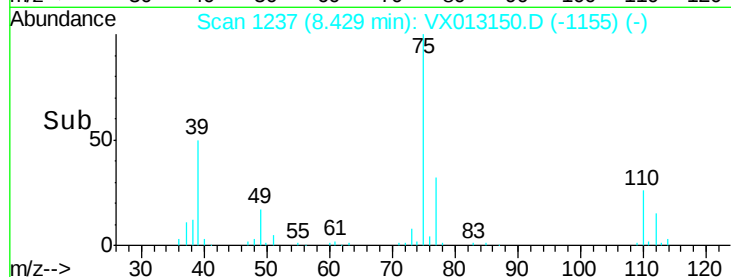
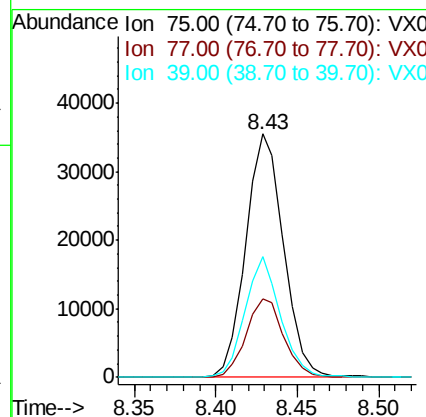
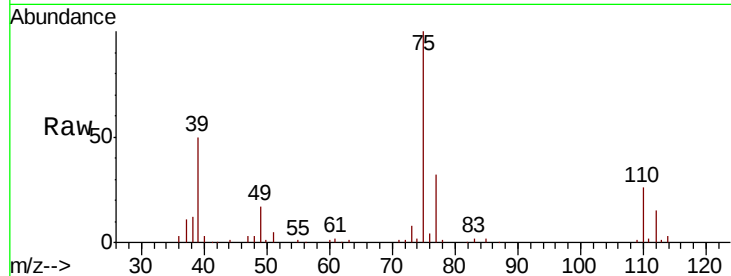
#49
 cis-1,3-Dichloropropene
 Concen: 19.754 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	49.6	39.7	59.5

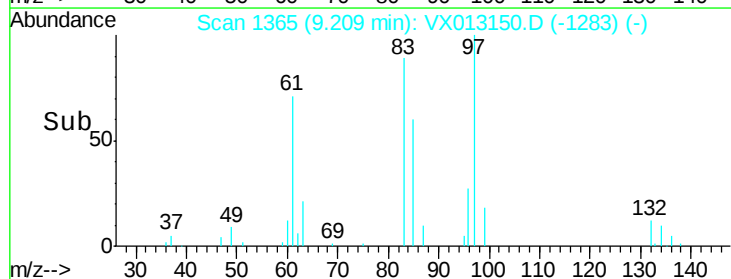
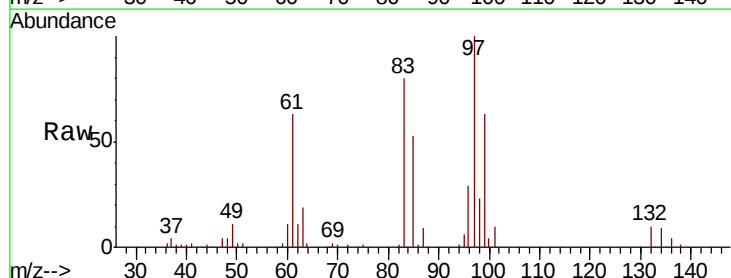
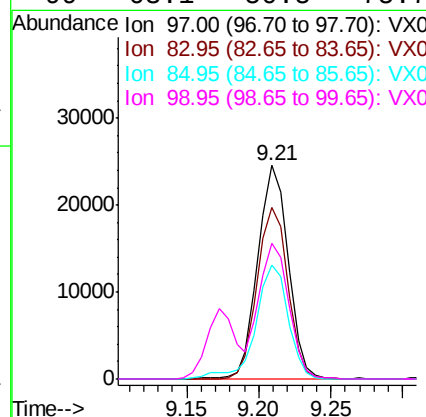
Manual Integrations
 APPROVED

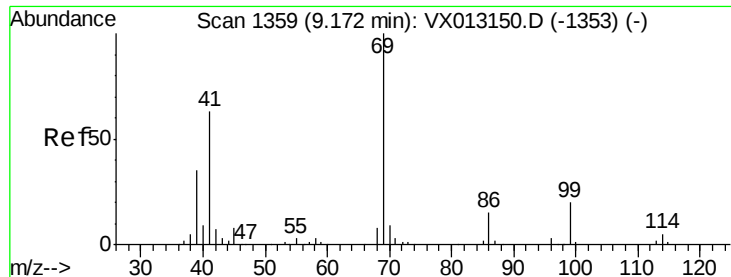
MMDadoda
 10/22/2019 12:30:11 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.926 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.2	96.4
85	53.4	42.7	64.1
99	63.1	50.5	75.7





#51

Ethyl methacrylate

Concen: 19.298 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

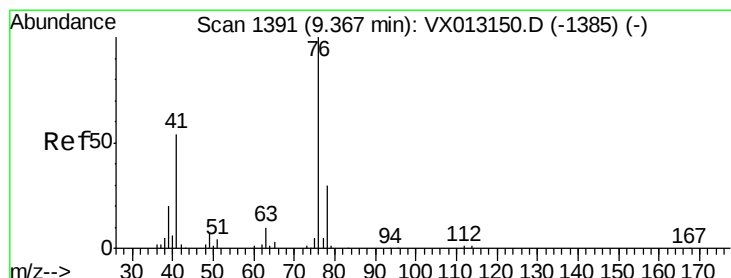
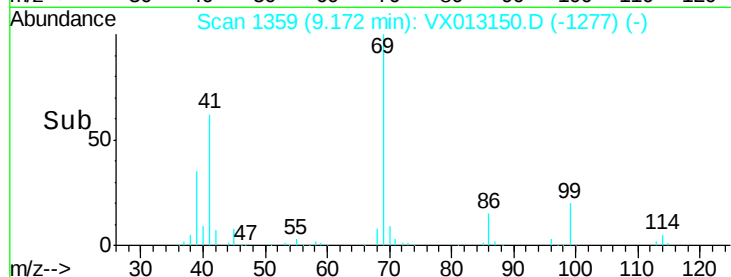
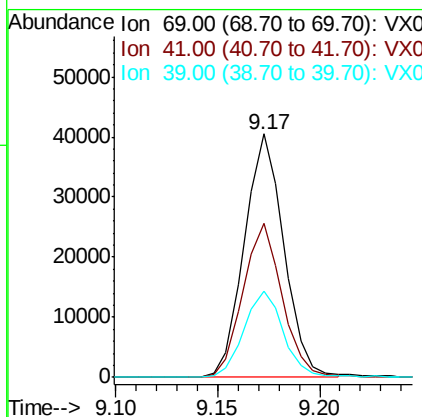
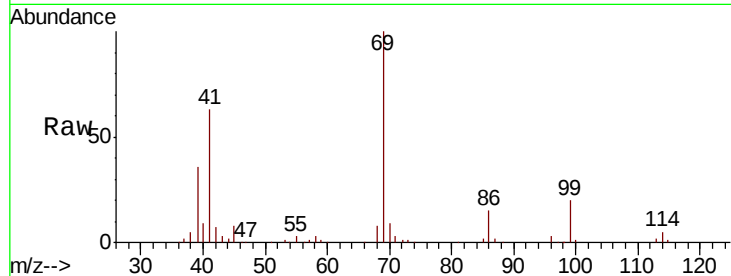
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	54697
Ion	Ratio	Lower	Upper
69	100		
41	63.3	31.6	95.0
39	35.4	17.7	53.1

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#52

1,3-Dichloropropane

Concen: 20.131 ug/l

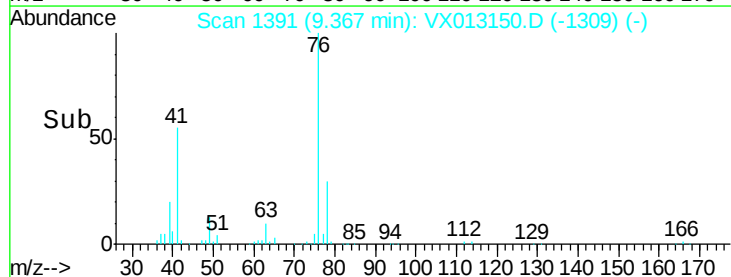
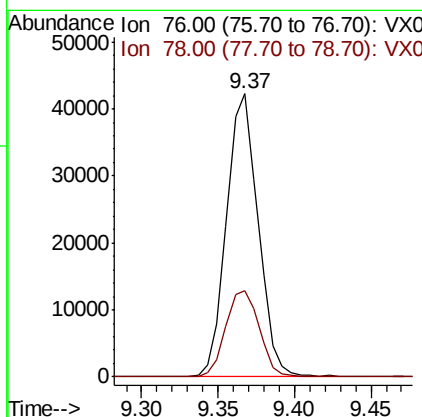
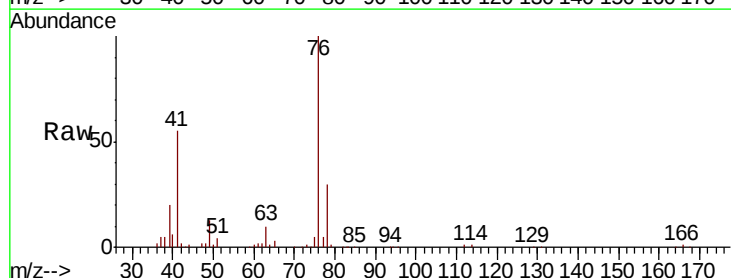
RT: 9.37 min Scan# 1391

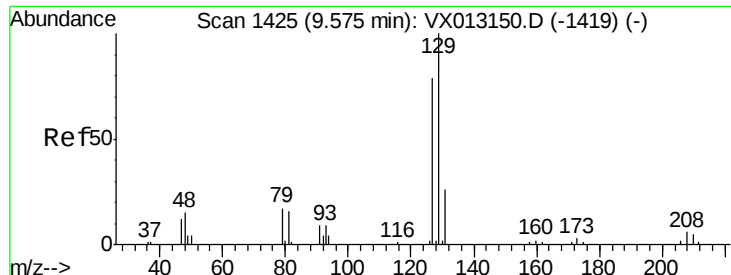
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion:	76	Resp:	60803
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.6





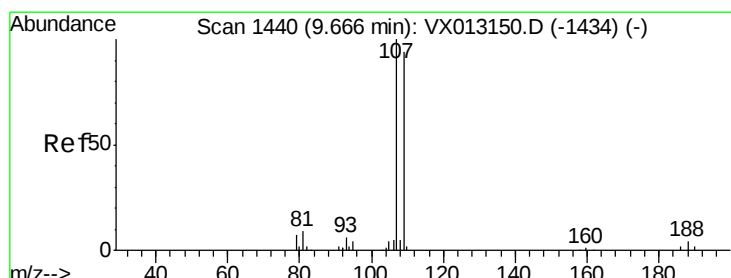
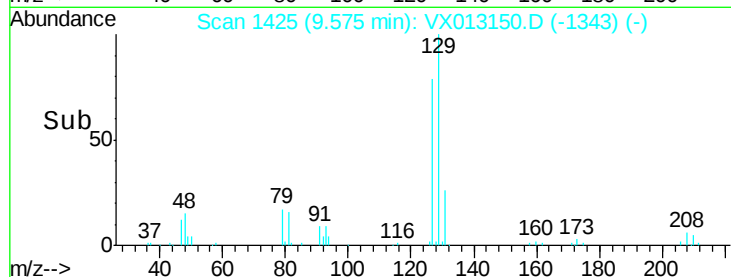
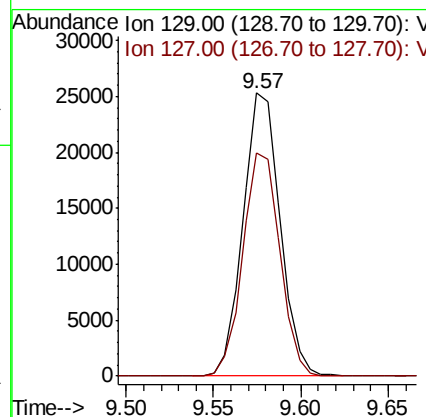
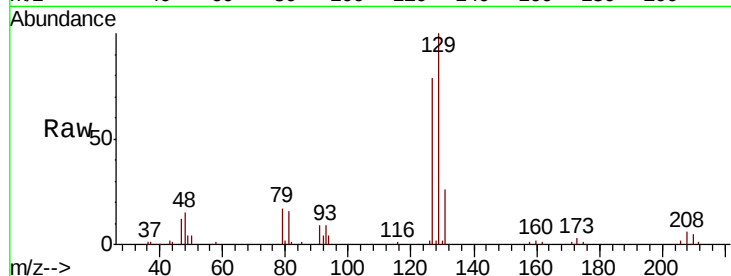
#53
Dibromochloromethane
Concen: 20.028 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 37355
Ion Ratio Lower Upper
129 100
127 78.8 39.4 118.2

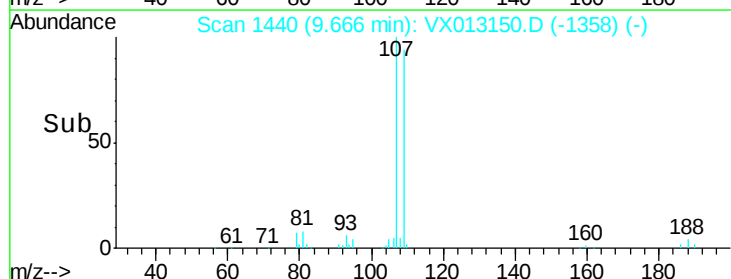
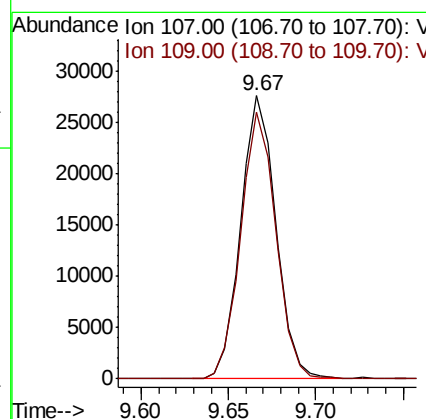
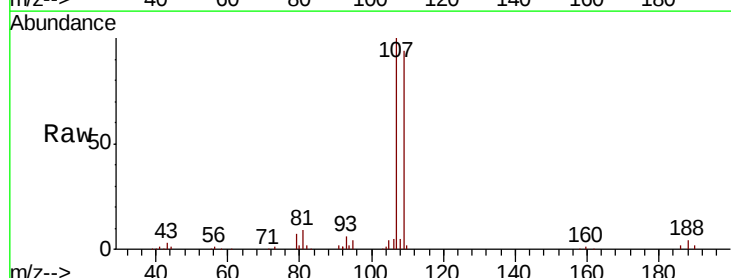
Manual Integrations
APPROVED

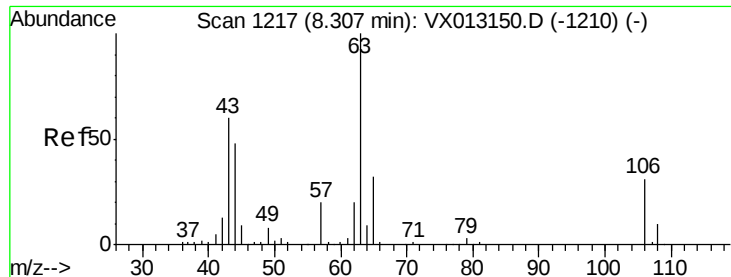
MMDadoda
10/22/2019 12:30:11 PM



#54
1,2-Dibromoethane
Concen: 20.382 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion:107 Resp: 38656
Ion Ratio Lower Upper
107 100
109 94.2 75.4 113.0





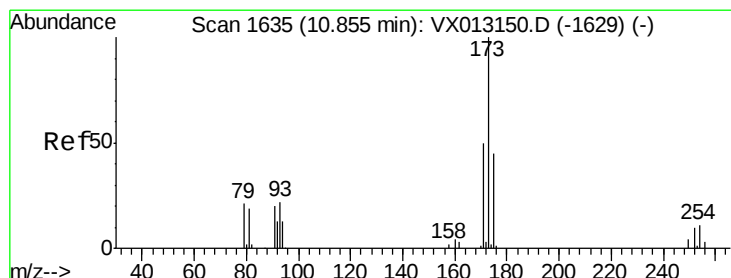
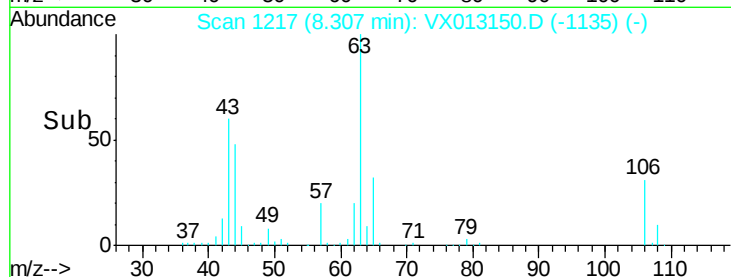
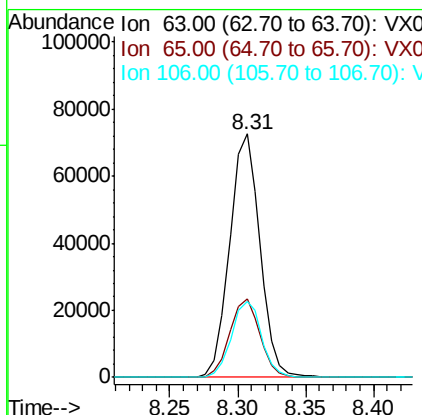
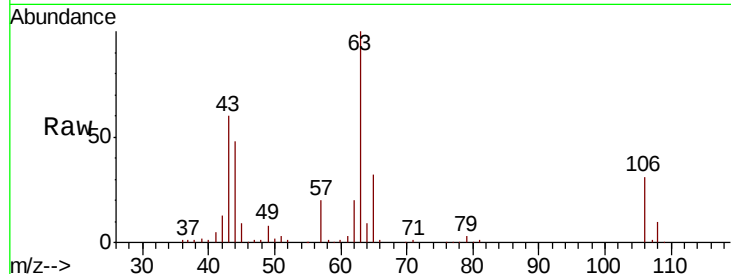
#55
2-Chloroethyl vinyl ether
Concen: 92.111 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	31.0	24.8	37.2

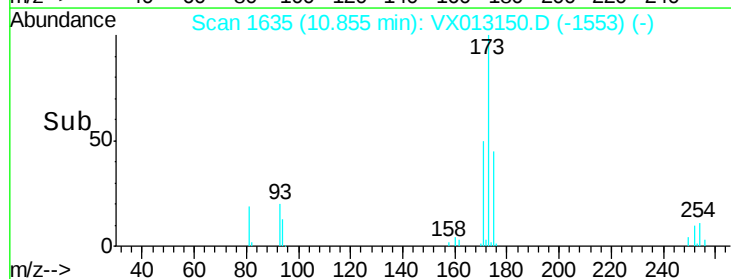
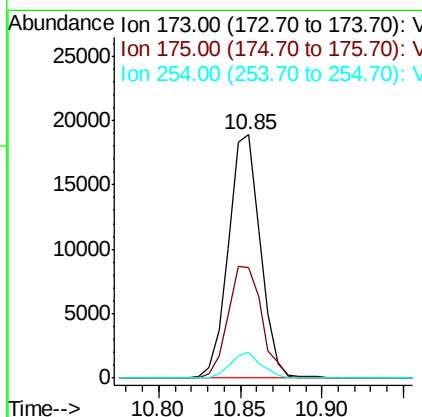
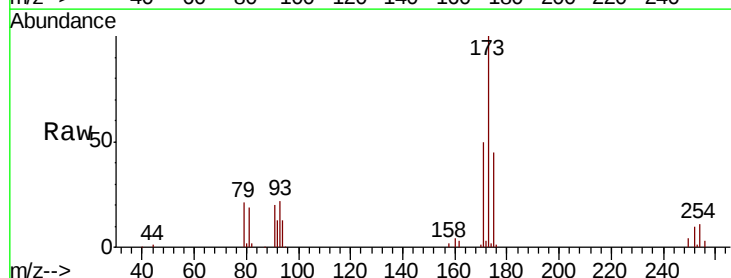
Manual Integrations
APPROVED

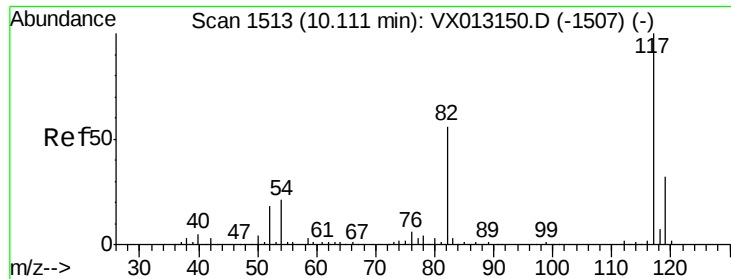
MMDadoda
10/22/2019 12:30:11 PM



#56
Bromoform
Concen: 19.711 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
254	10.1	8.1	12.1





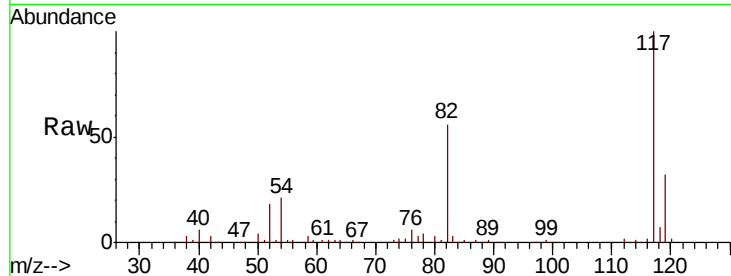
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

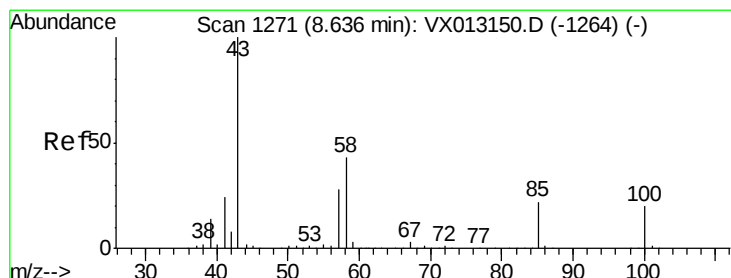
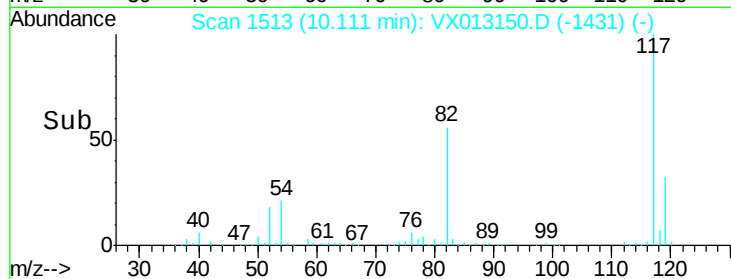
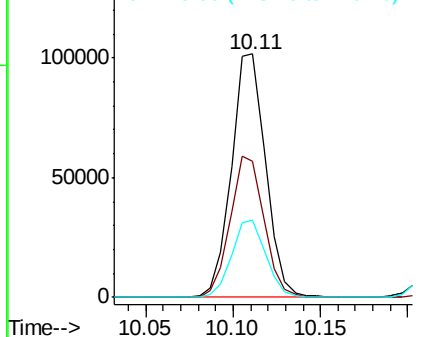
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.7	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM

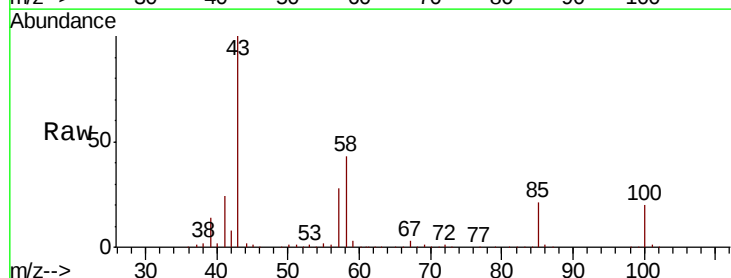


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

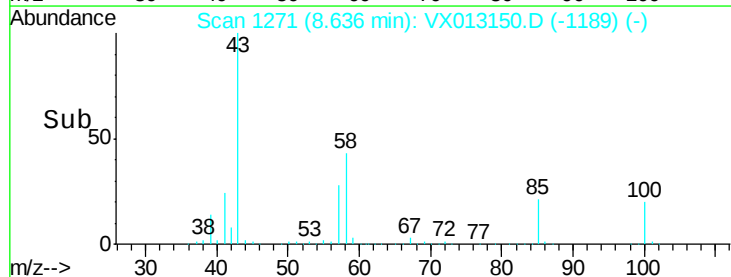
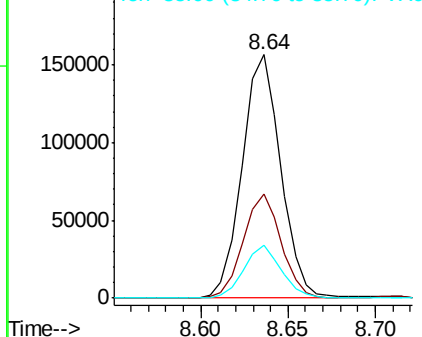


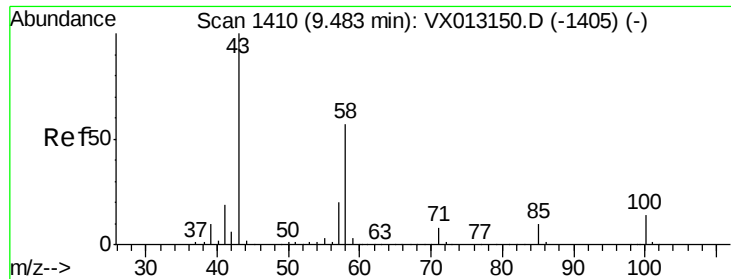
#58
4-Methyl-2-Pentanone
Concen: 96.177 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.8	50.8
85	21.0	16.8	25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





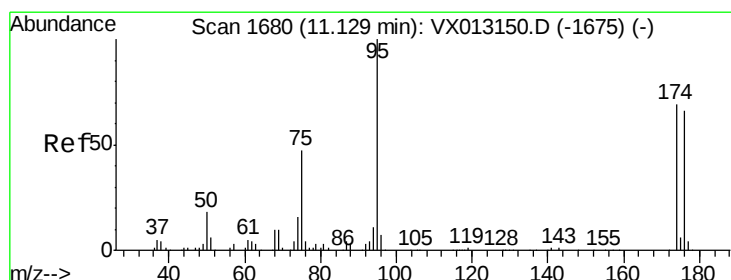
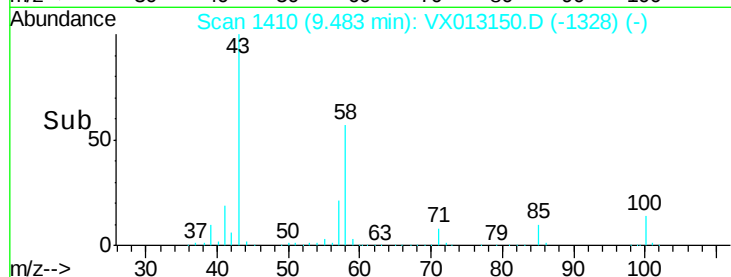
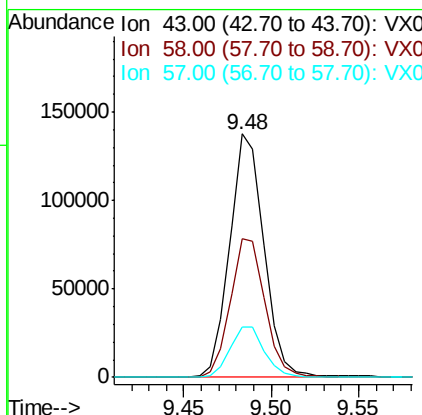
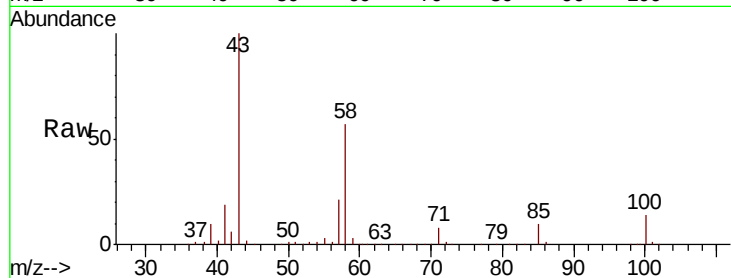
#59
2-Hexanone
Concen: 96.509 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	46.6	69.8
57	21.1	16.9	25.3

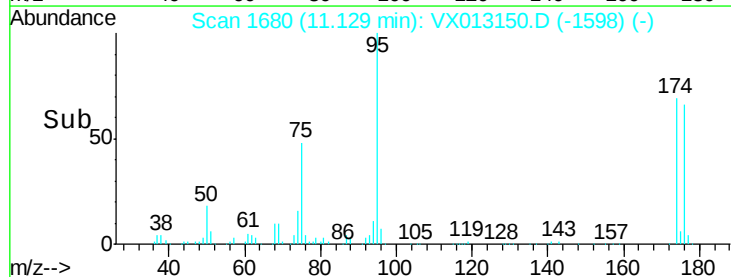
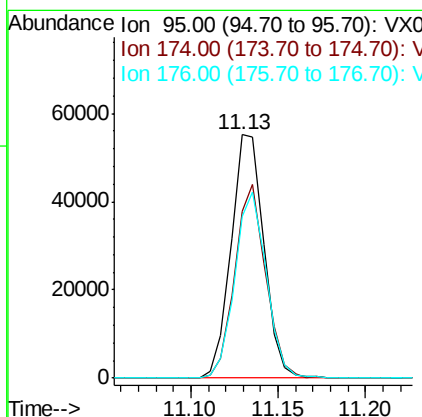
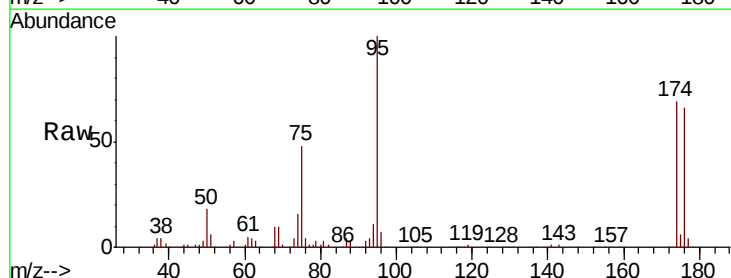
Manual Integrations
APPROVED

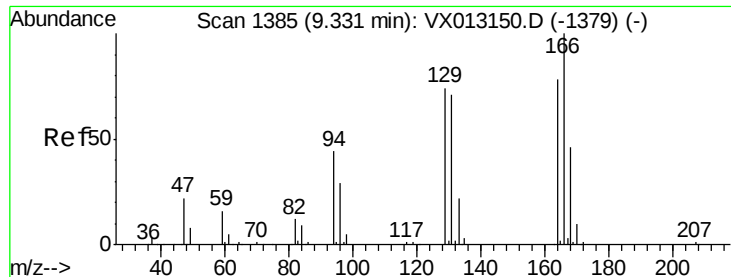
MMDadoda
10/22/2019 12:30:11 PM



#60
4-Bromofluorobenzene
Concen: 29.781 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	60.0	90.0
176	73.1	58.5	87.7





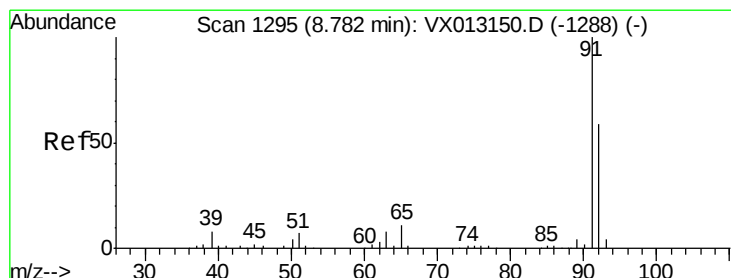
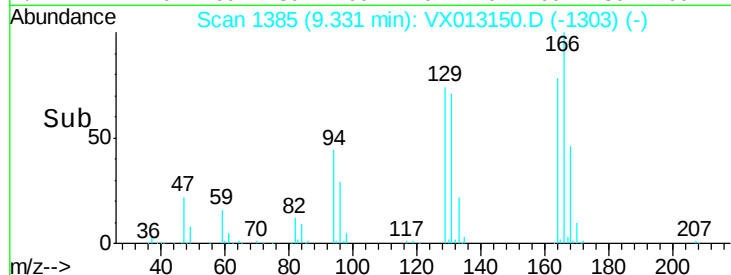
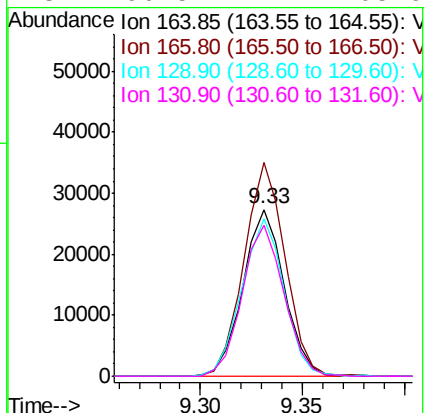
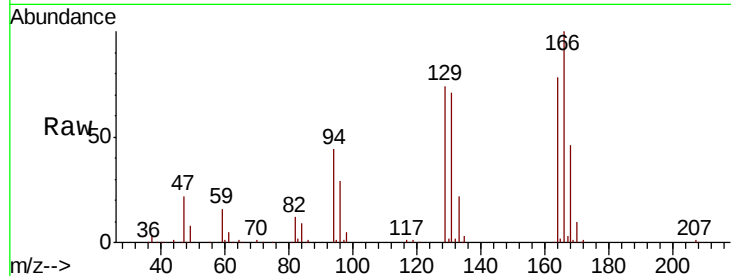
#61
Tetrachloroethene
Concen: 21.708 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.6	153.8
129	94.6	75.7	113.5
131	90.5	72.4	108.6

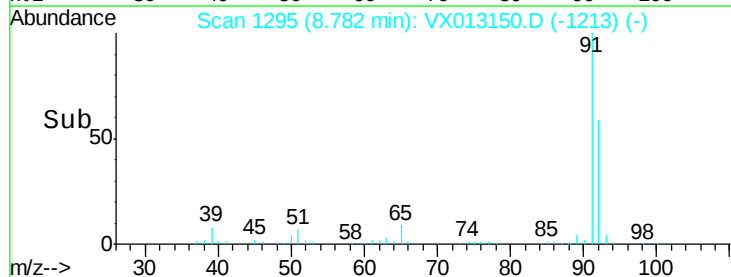
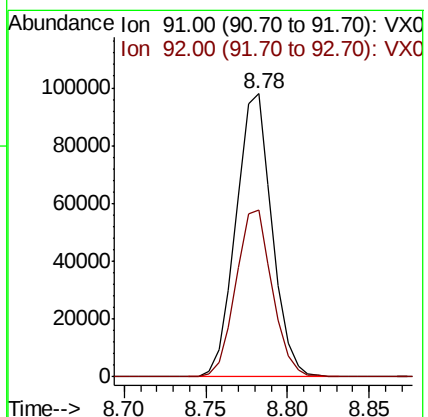
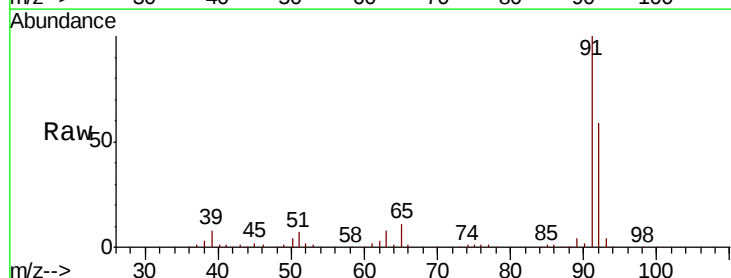
Manual Integrations
APPROVED

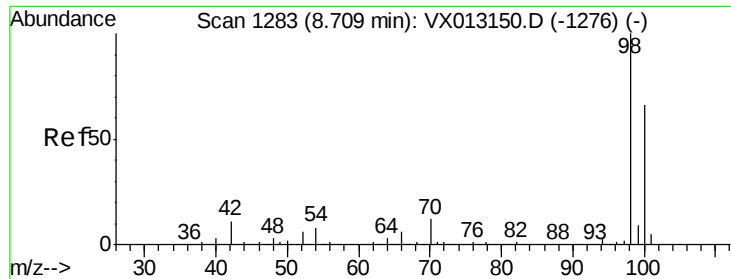
MMDadoda
10/22/2019 12:30:11 PM



#62
Toluene
Concen: 20.017 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.7	71.5





#63

Toluene-d8

Concen: 30.148 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 189510

Ion Ratio Lower Upper

98 100

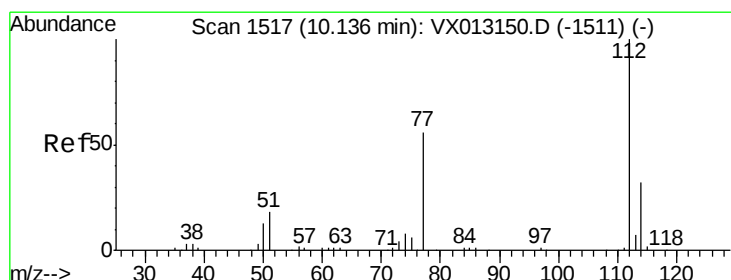
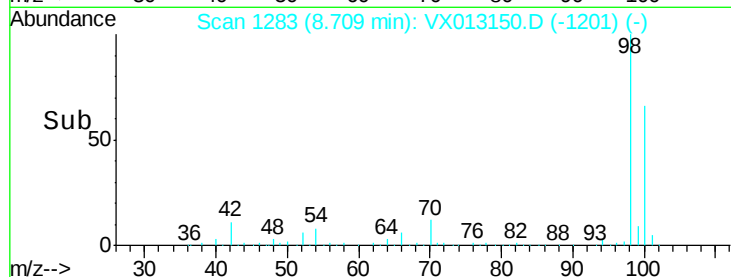
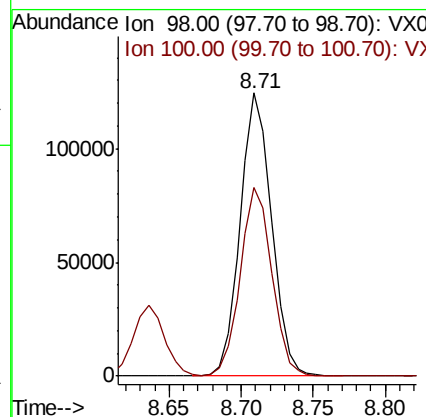
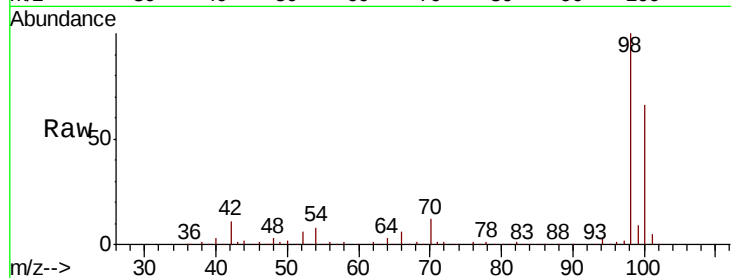
100 66.4 53.1 79.7

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#64

Chlorobenzene

Concen: 19.885 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013150.D

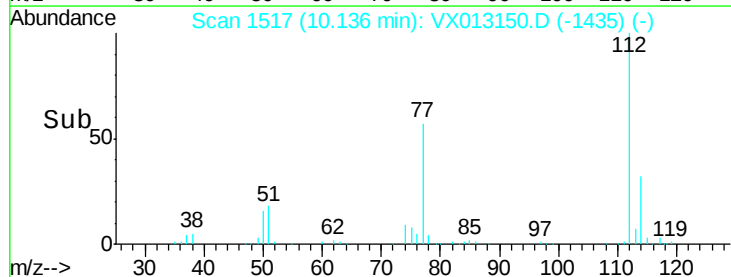
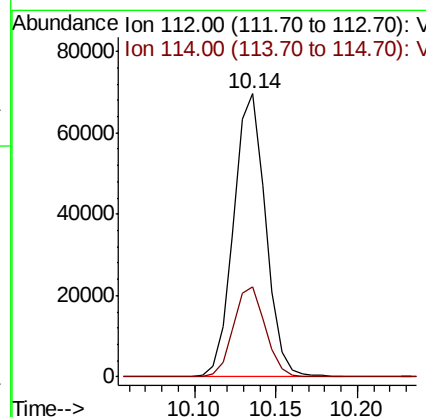
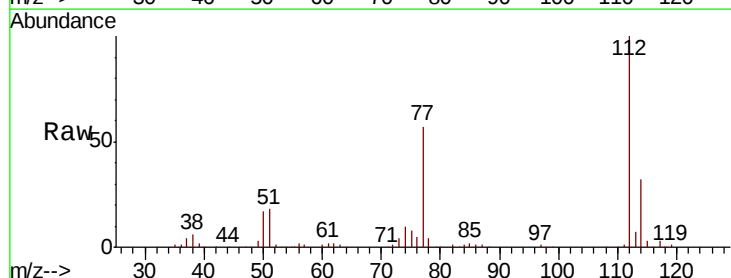
Acq: 21 Oct 2019 12:37

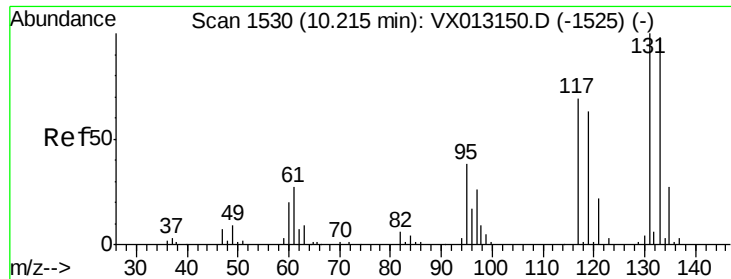
Tgt Ion: 112 Resp: 95113

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.389 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 36035

Ion Ratio Lower Upper

131 100

133 95.5 0.0 191.0

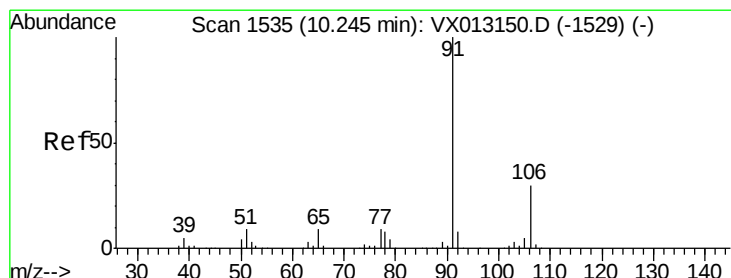
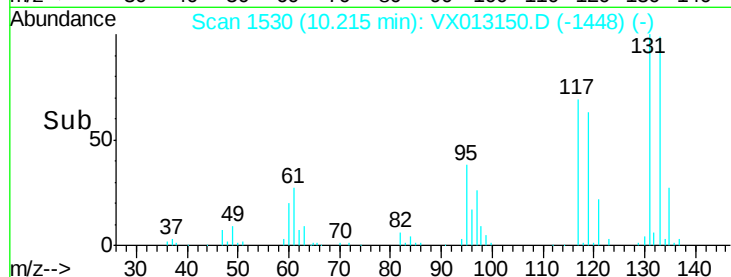
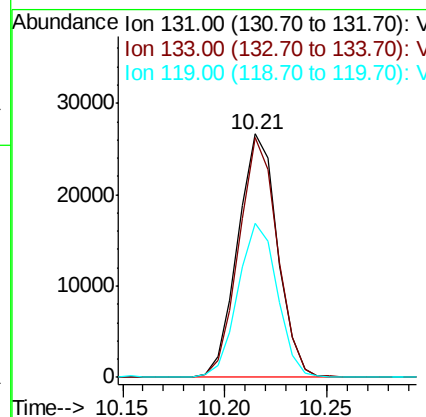
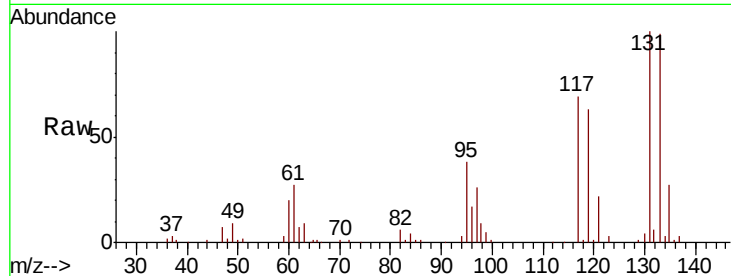
119 62.8 0.0 125.6

Manual Integrations

APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#66

Ethyl Benzene

Concen: 19.747 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013150.D

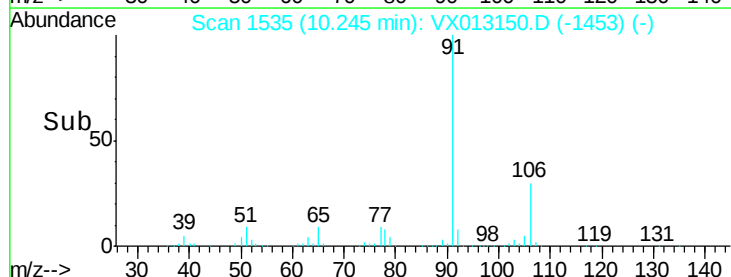
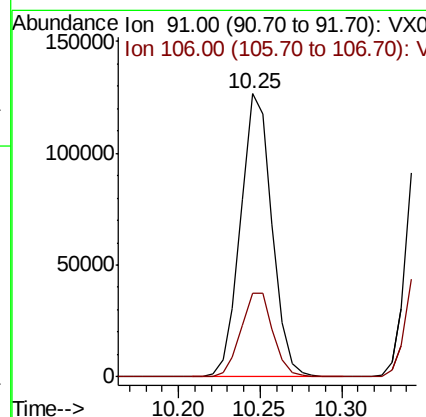
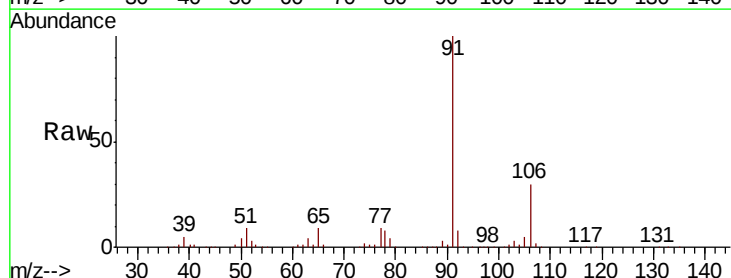
Acq: 21 Oct 2019 12:37

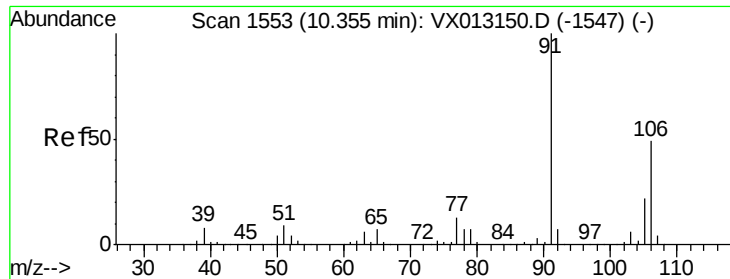
Tgt Ion: 91 Resp: 170025

Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.6





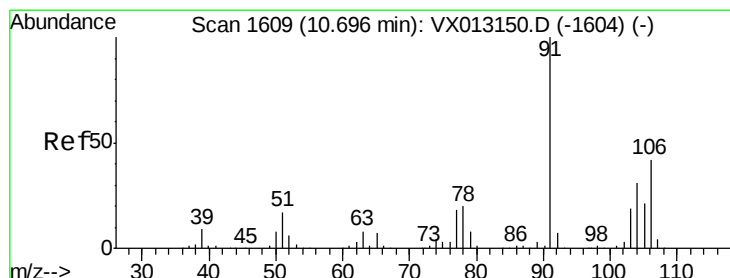
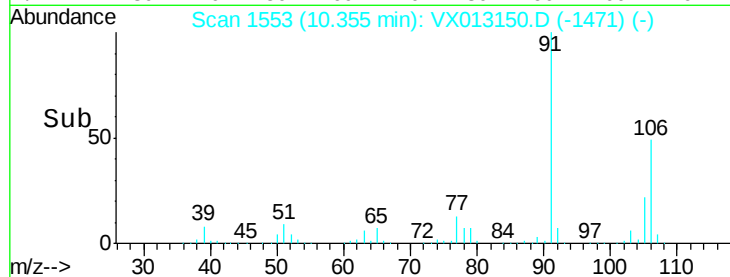
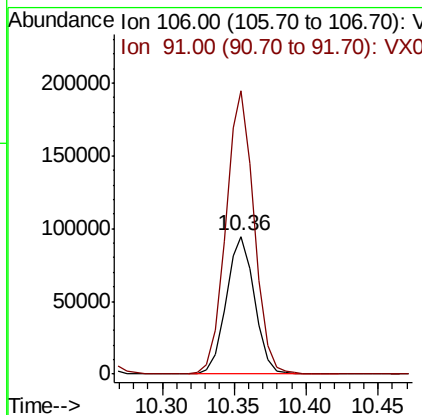
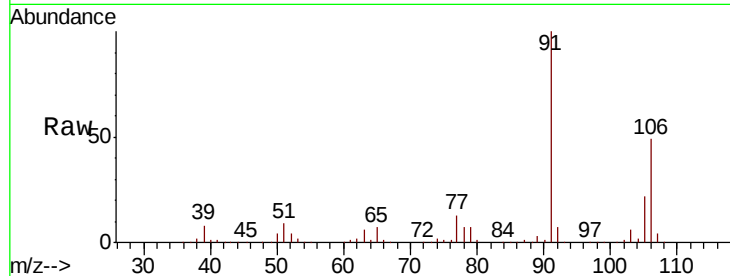
#67
m/p-Xylenes
Concen: 40.281 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 130738
Ion Ratio Lower Upper
106 100
91 204.6 163.7 245.5

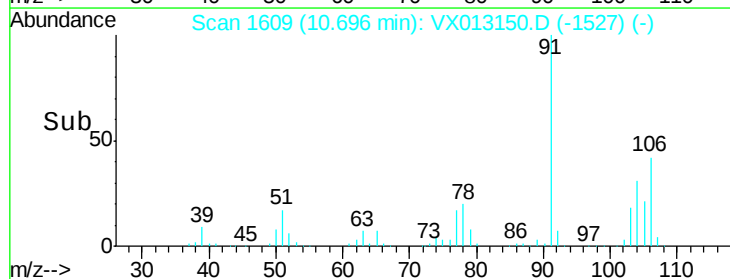
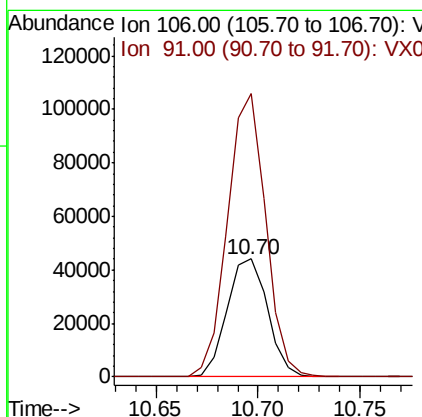
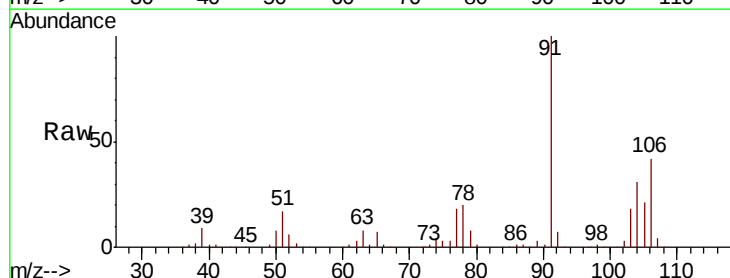
Manual Integrations
APPROVED

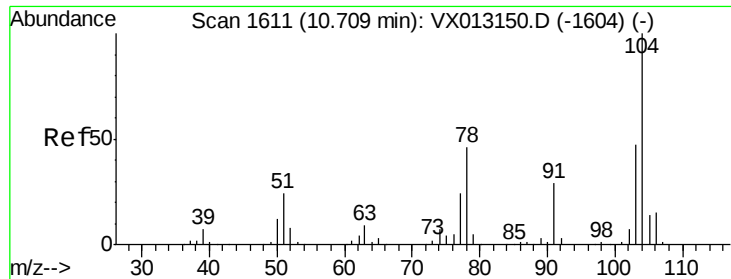
MMDadoda
10/22/2019 12:30:11 PM



#68
o-Xylene
Concen: 19.285 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion:106 Resp: 60338
Ion Ratio Lower Upper
106 100
91 227.2 113.6 340.8





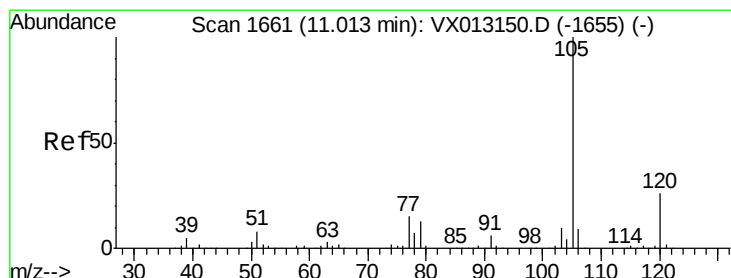
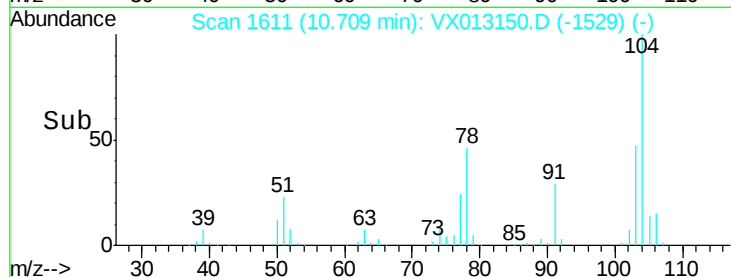
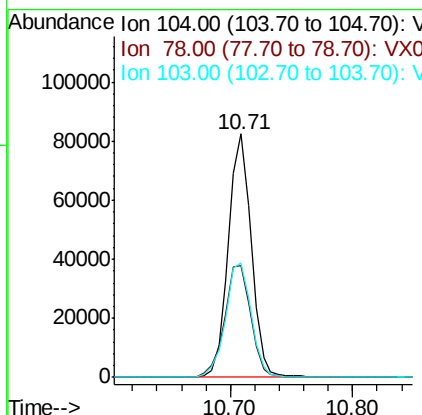
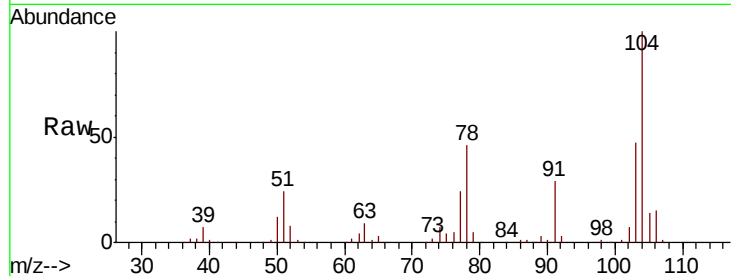
#69
Stvrene
Concen: 19.626 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	52.7	42.2	63.2

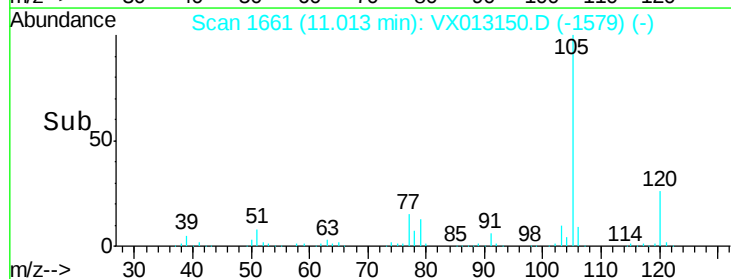
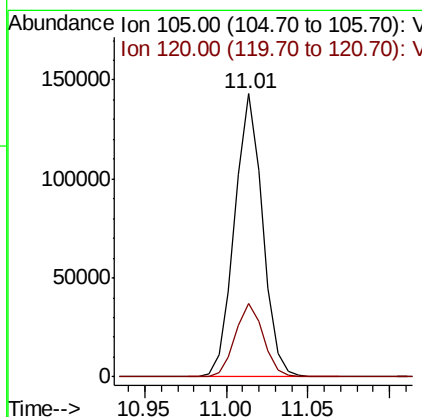
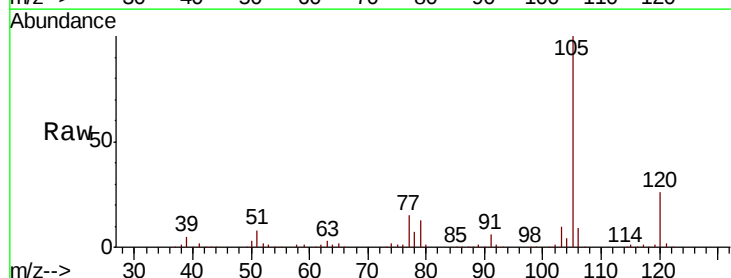
Manual Integrations
APPROVED

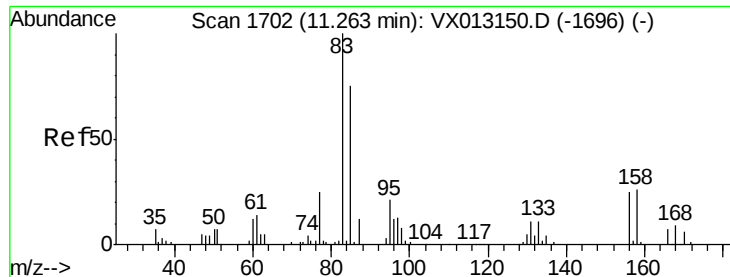
MMDadoda
10/22/2019 12:30:11 PM



#70
Isopropylbenzene
Concen: 20.148 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.1	33.7





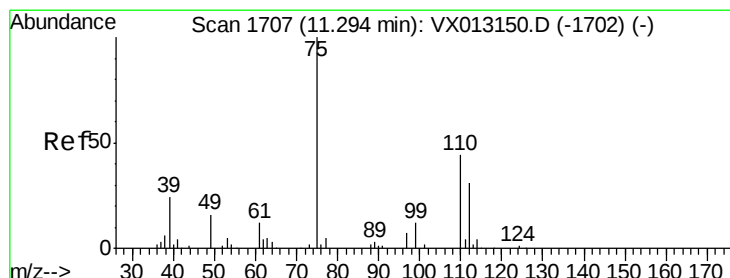
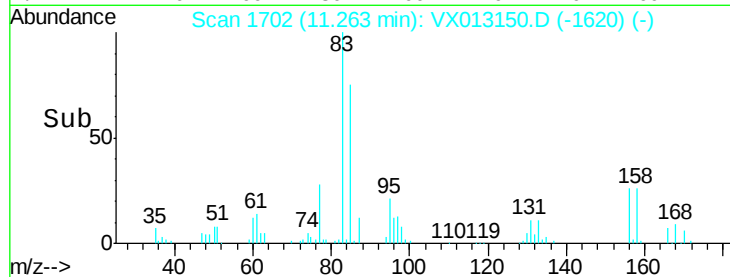
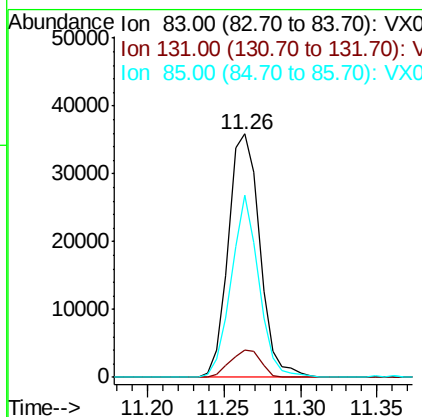
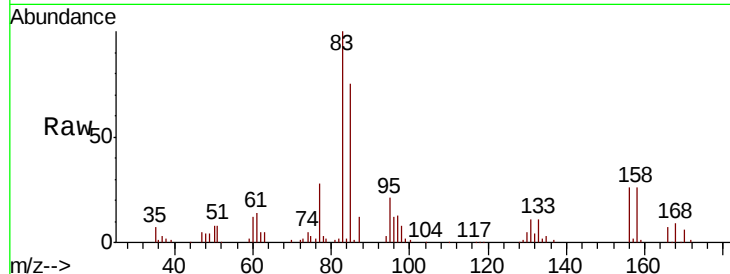
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.949 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	51307
Ion Ratio	100	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	65.7	32.9	98.6

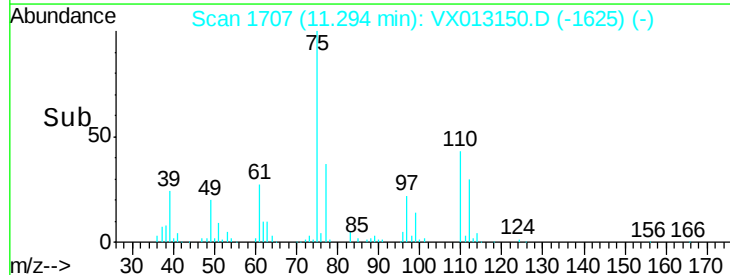
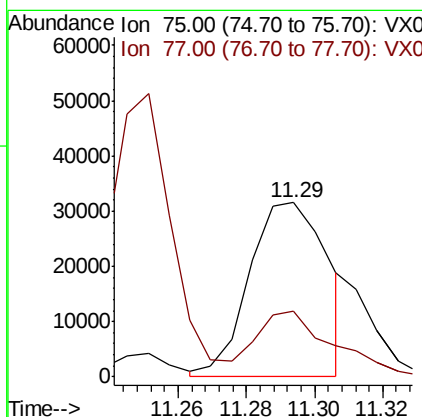
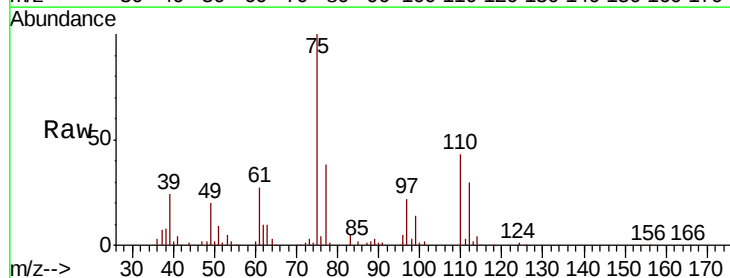
Manual Integrations
 APPROVED

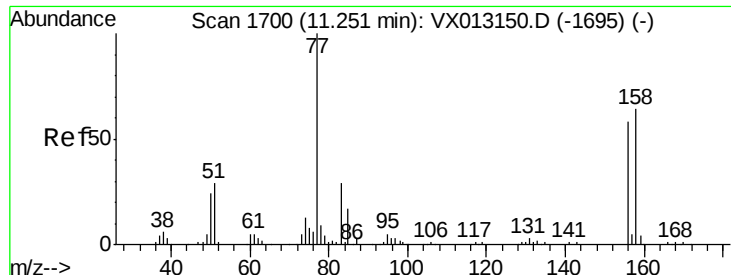
MMDadoda
 10/22/2019 12:30:11 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.468 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	75	Resp	50339
Ion Ratio	100	Lower	Upper
75	100		
77	37.0	0.0	74.0





#73

Bromobenzene

Concen: 19.653 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

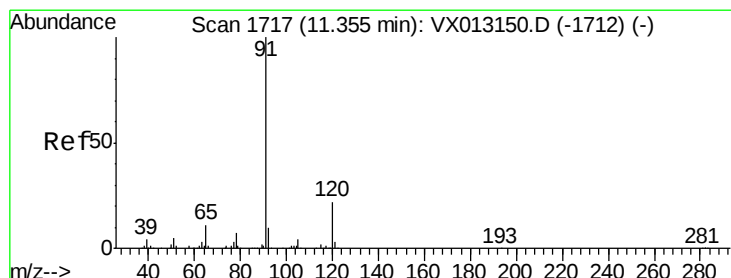
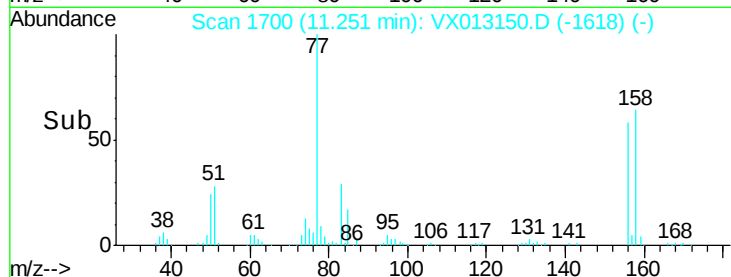
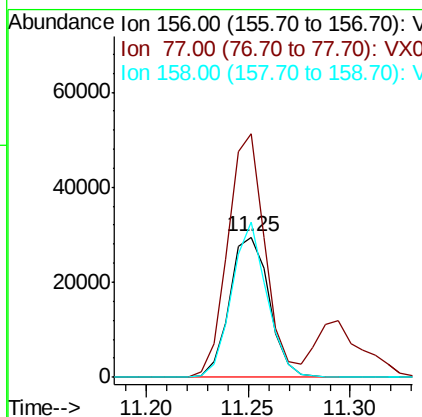
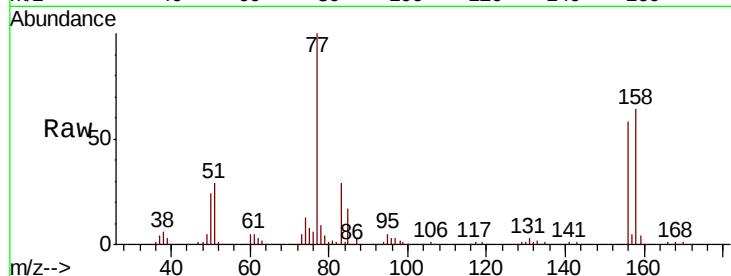
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.0	0.0	328.0
158	98.1	0.0	196.2

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#74

n-propylbenzene

Concen: 19.679 ug/l

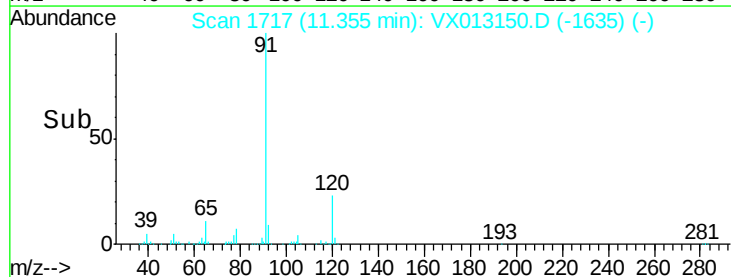
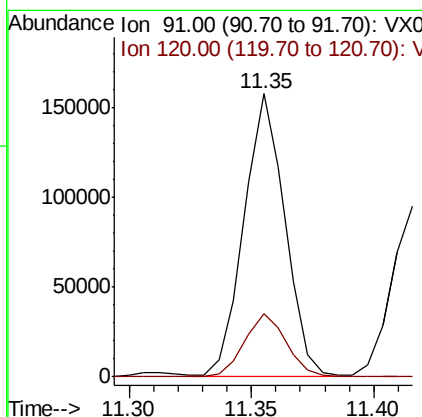
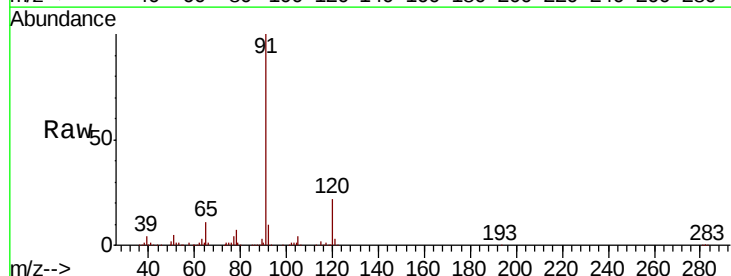
RT: 11.35 min Scan# 1717

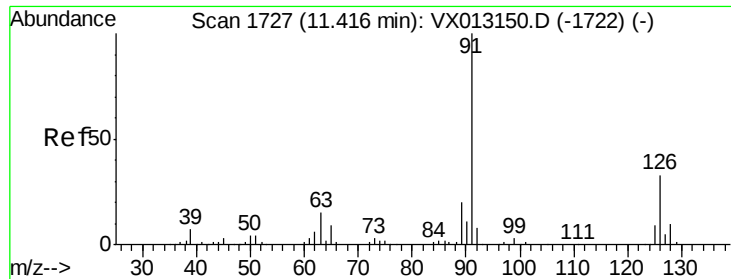
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	45.2





#75

2-Chlorotoluene

Concen: 20.045 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 116610

Ion Ratio Lower Upper

91 100

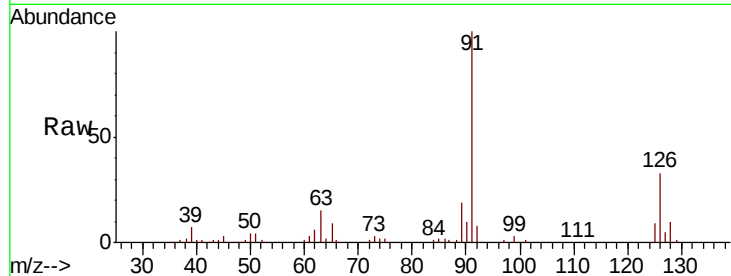
126 31.9 0.0 63.8

Manual Integrations

APPROVED

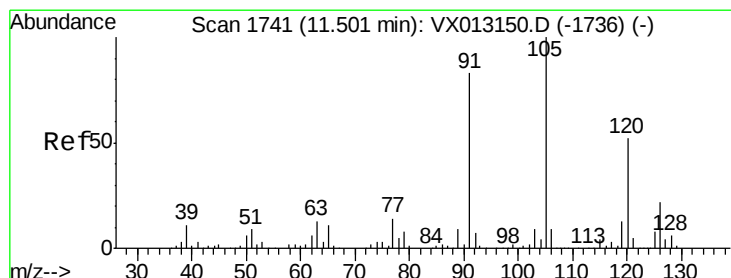
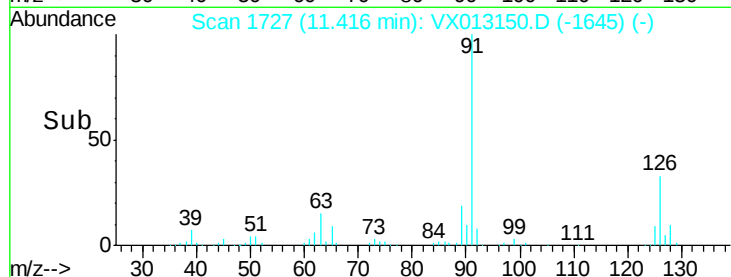
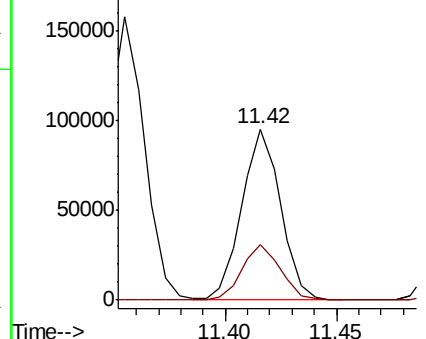
MMDadoda

10/22/2019 12:30:11 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.408 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013150.D

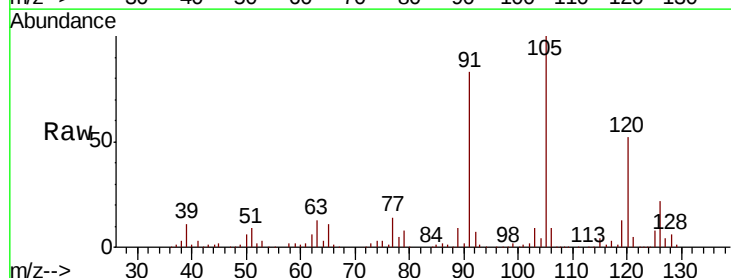
Acq: 21 Oct 2019 12:37

Tgt Ion: 105 Resp: 138978

Ion Ratio Lower Upper

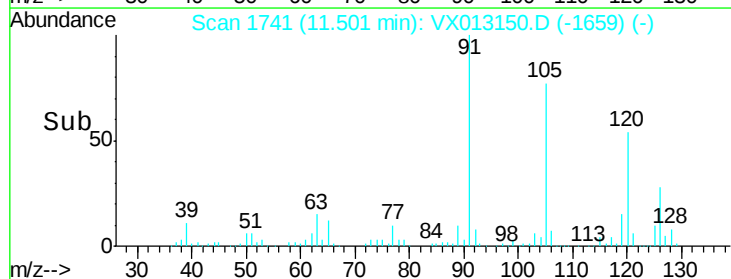
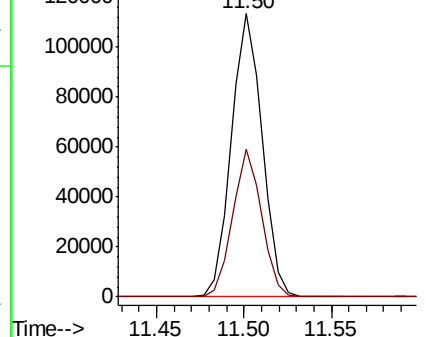
105 100

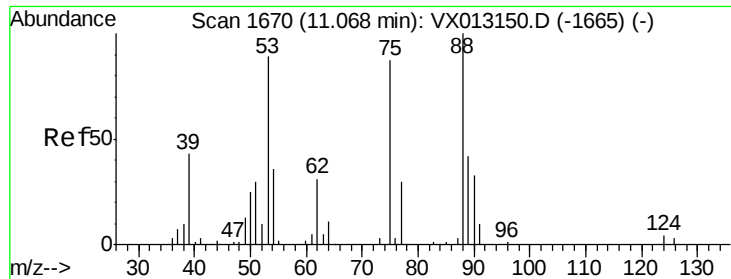
120 49.0 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.522 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 16459

Ion Ratio Lower Upper

75 100

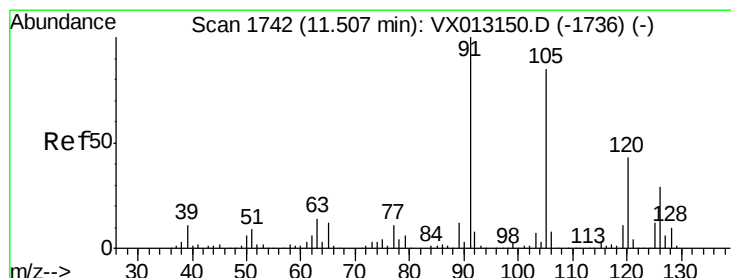
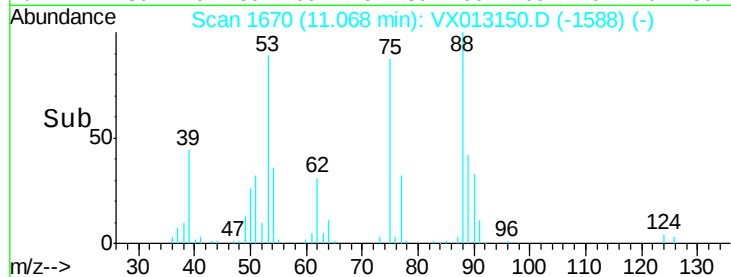
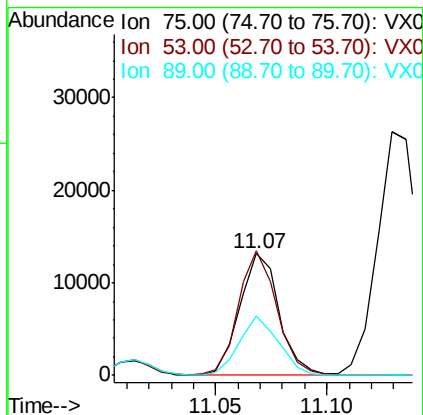
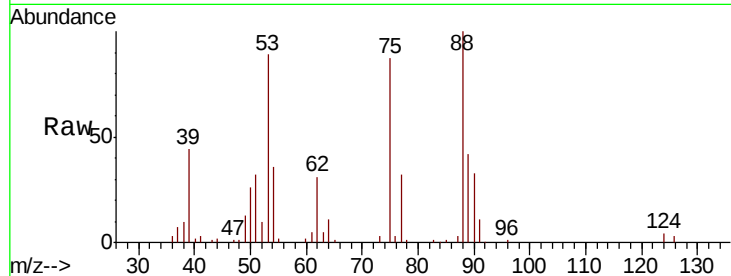
53 102.3 51.1 153.4

89 48.3 24.1 72.4

Manual Integrations
APPROVED

MMDadoda

10/22/2019 12:30:11 PM



#78

4-Chlorotoluene

Concen: 19.459 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013150.D

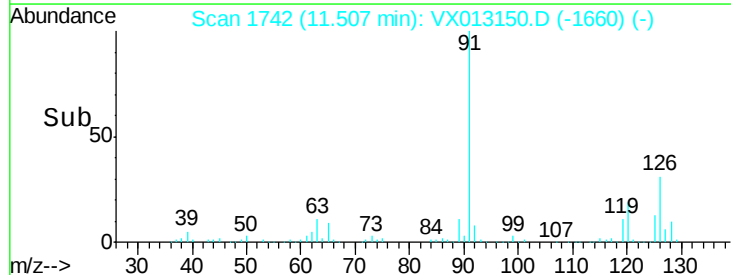
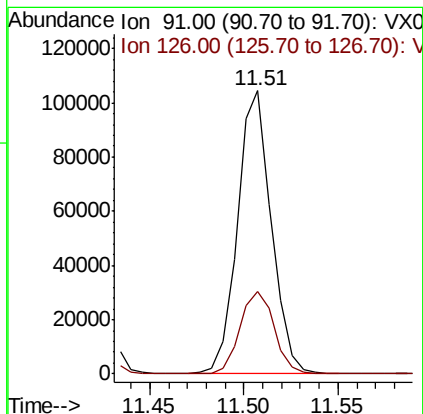
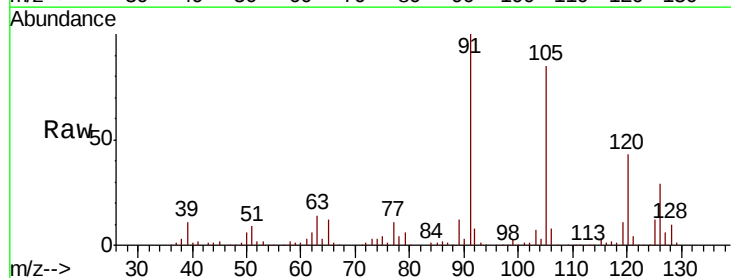
Acq: 21 Oct 2019 12:37

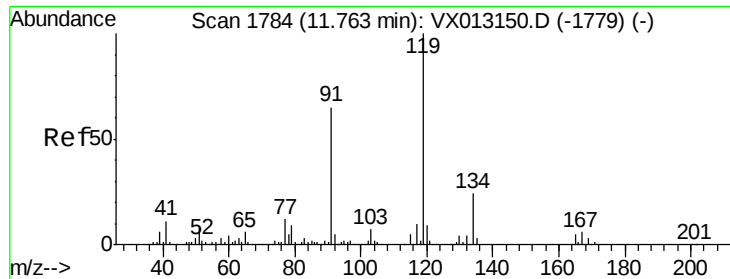
Tgt Ion: 91 Resp: 129937

Ion Ratio Lower Upper

91 100

126 29.2 0.0 58.4





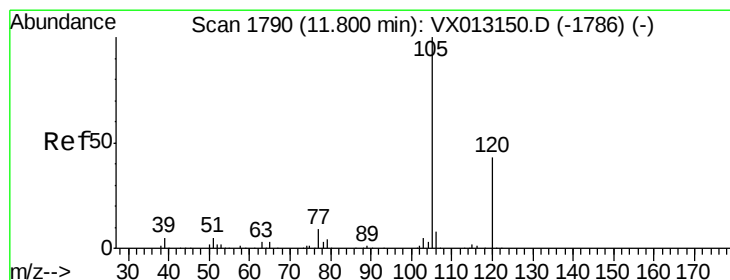
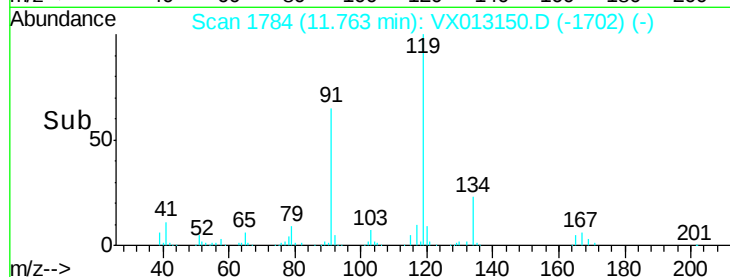
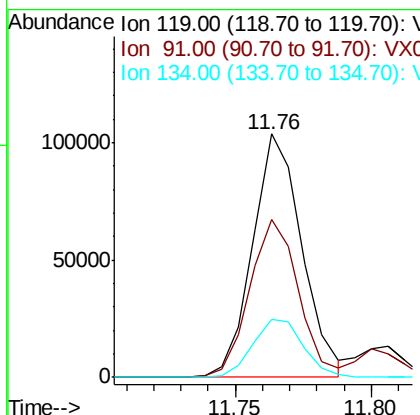
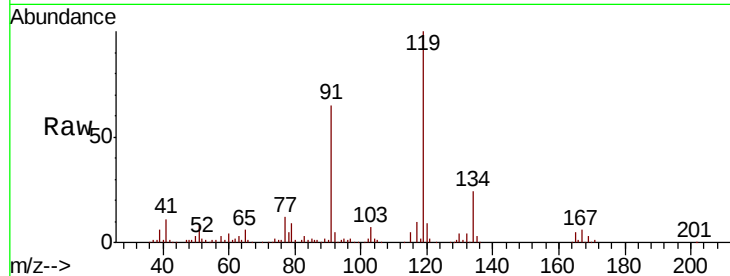
#79
tert-butylbenzene
Concen: 19.373 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130402		
91	64.2	0.0	128.4	
134	24.5	0.0	49.0	

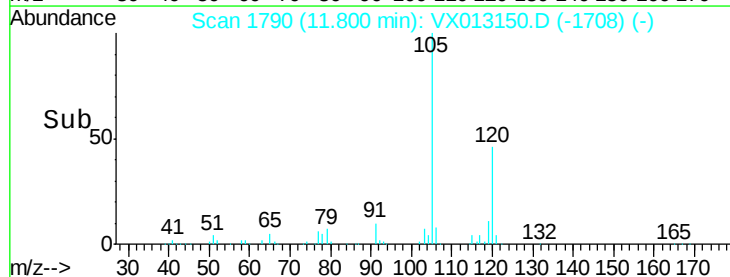
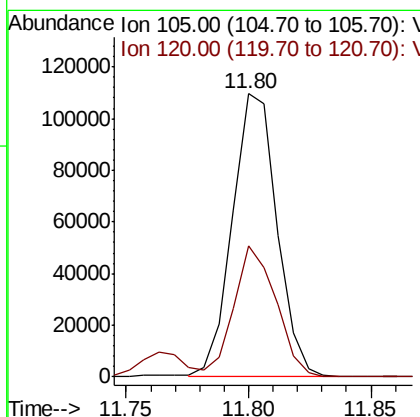
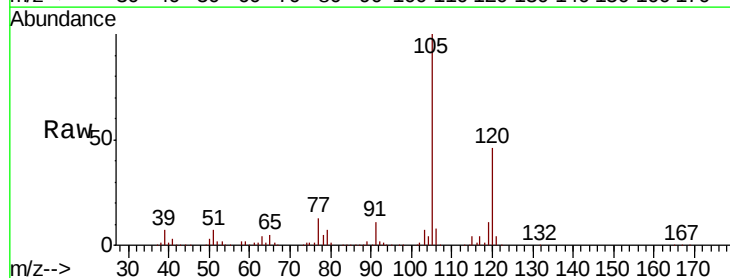
Manual Integrations
APPROVED

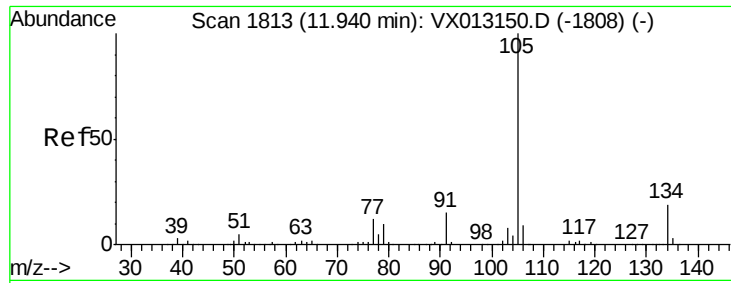
MMDadoda
10/22/2019 12:30:11 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.439 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138436		
120	43.7	0.0	87.4	





#81

sec-Butylbenzene

Concen: 19.726 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion:105 Resp: 161083

Ion Ratio Lower Upper

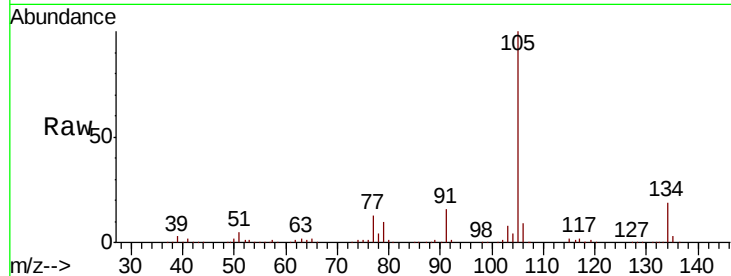
105 100

134 19.6 0.0 39.2

Manual Integrations
APPROVED

MMDadoda

10/22/2019 12:30:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

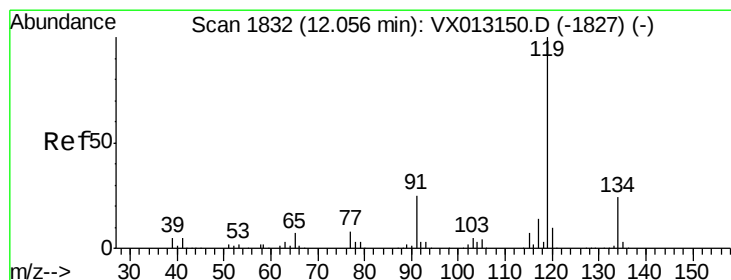
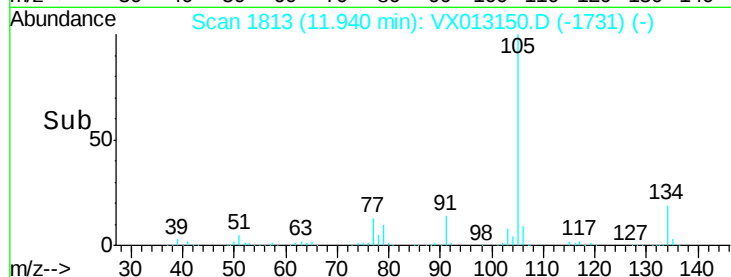
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.497 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

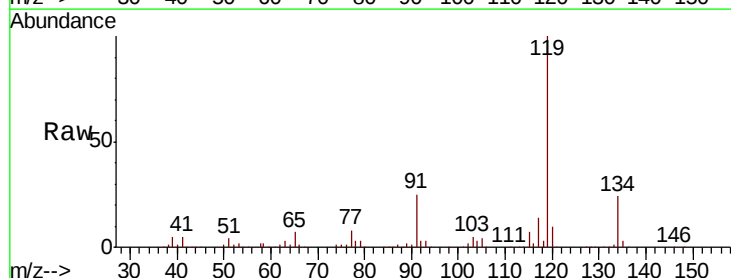
Tgt Ion:119 Resp: 145443

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.6

91 25.0 0.0 50.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

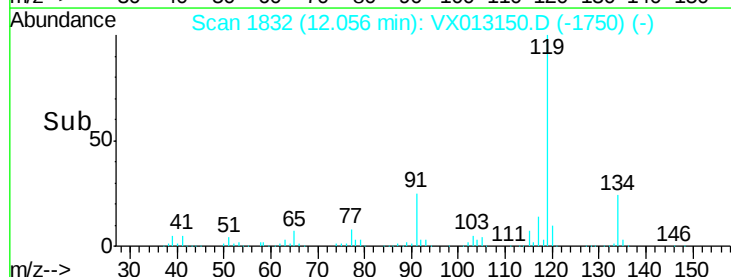
150000

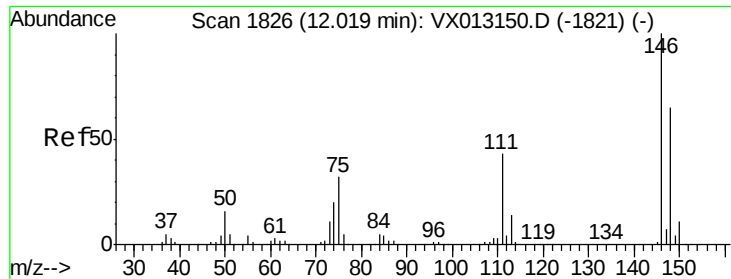
100000

50000

0

Time-->





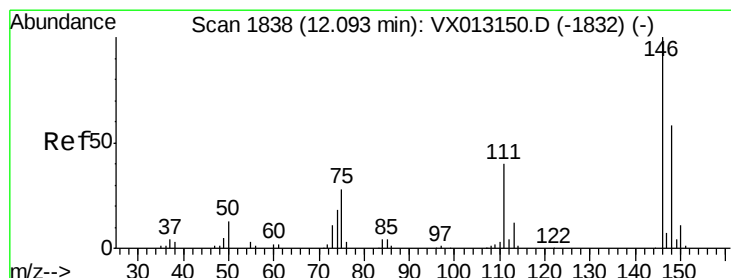
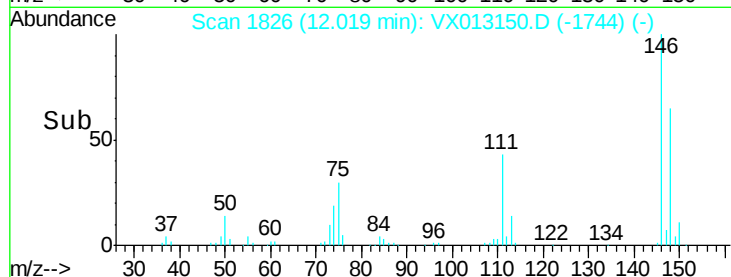
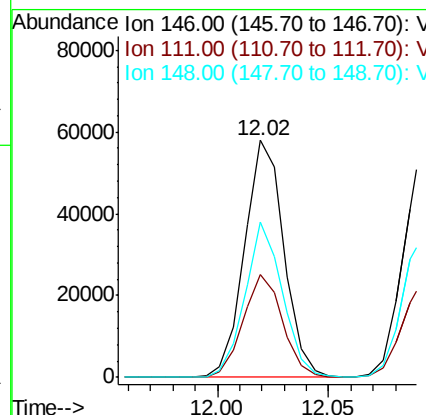
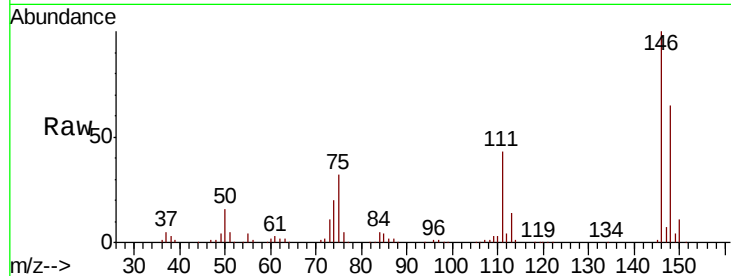
#83
 1,3-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	62.4	31.2	93.6

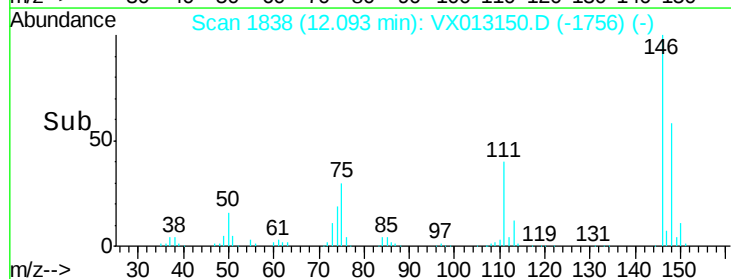
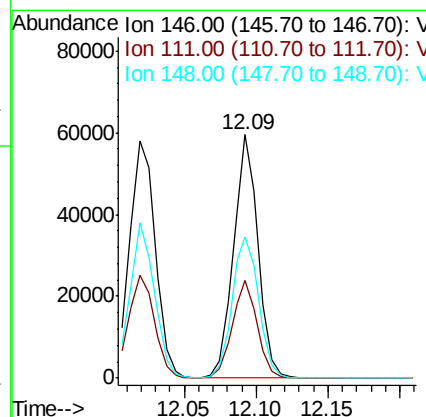
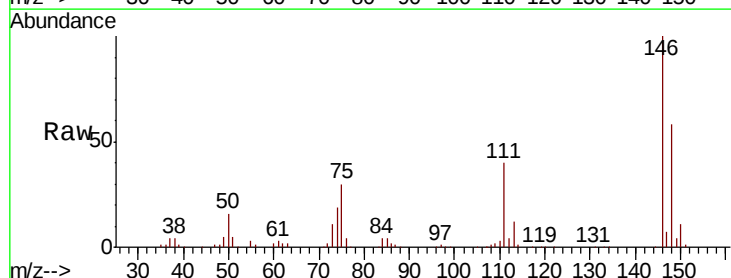
Manual Integrations
 APPROVED

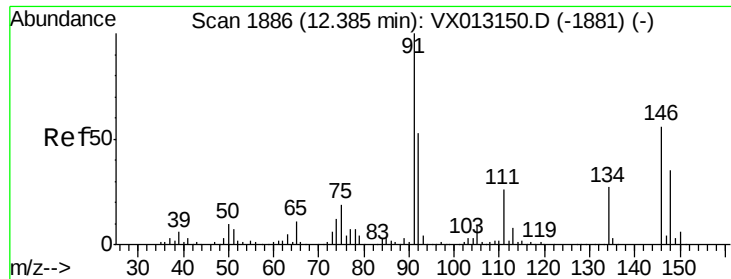
MMDadoda
 10/22/2019 12:30:11 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.385 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	62.8	31.4	94.2





#85

n-Butylbenzene

Concen: 18.996 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

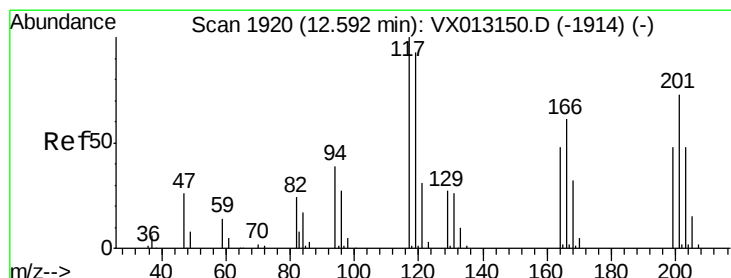
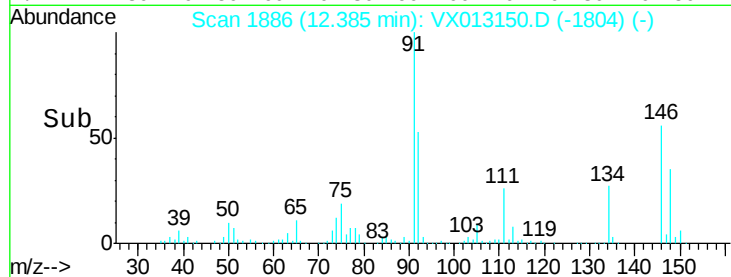
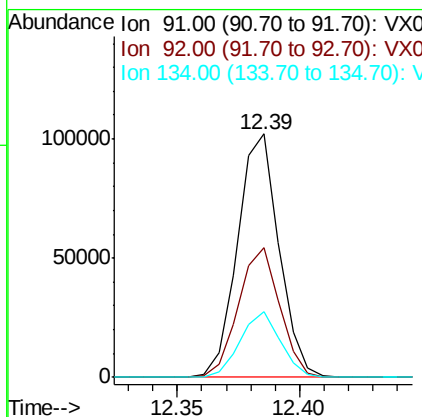
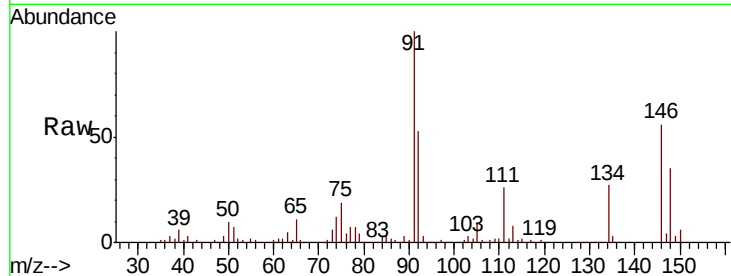
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	120317
Ion Ratio	Lower	Upper	
91	100		
92	53.4	0.0	106.8
134	26.2	0.0	52.4

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:30:11 PM



#86

Hexachloroethane

Concen: 19.166 ug/l

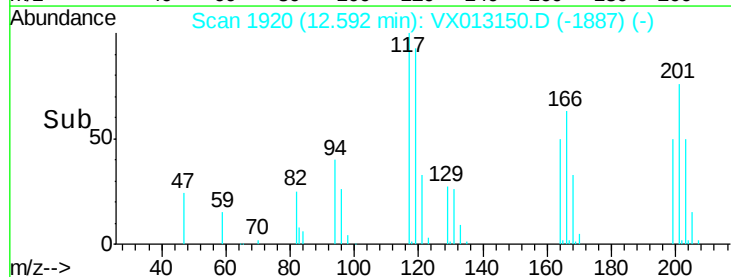
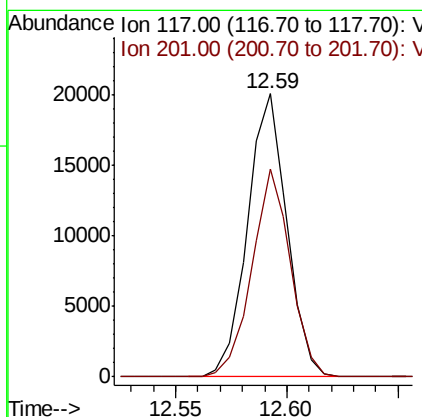
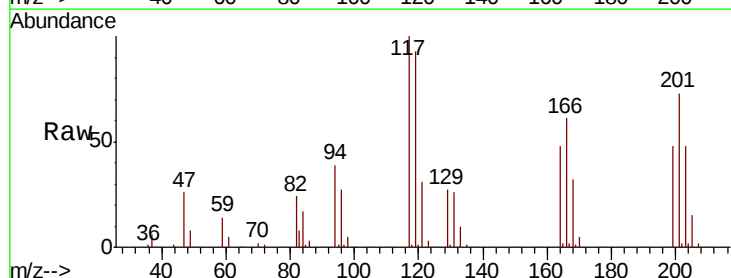
RT: 12.59 min Scan# 1920

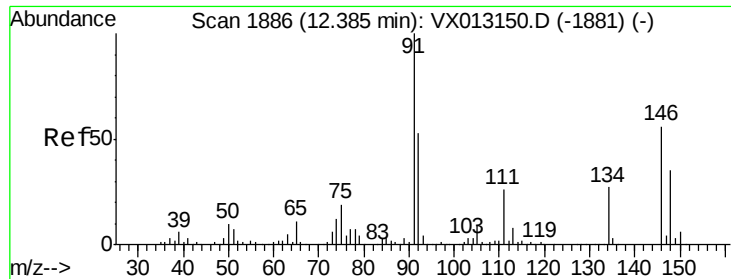
Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Tgt Ion:	117	Resp:	24715
Ion Ratio	Lower	Upper	
117	100		
201	71.7	35.9	107.5





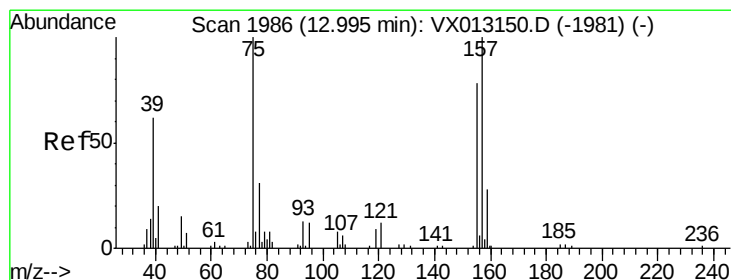
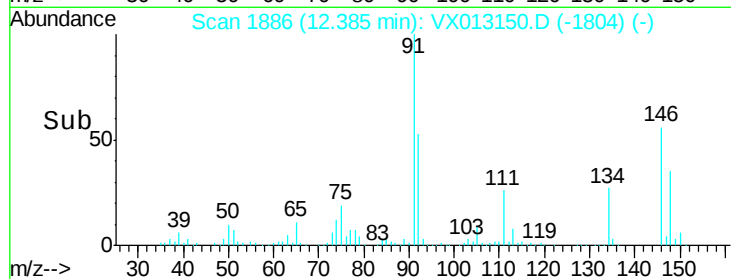
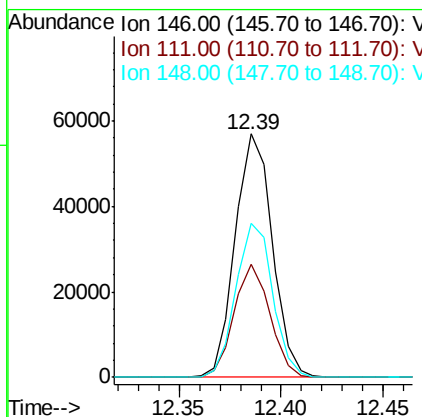
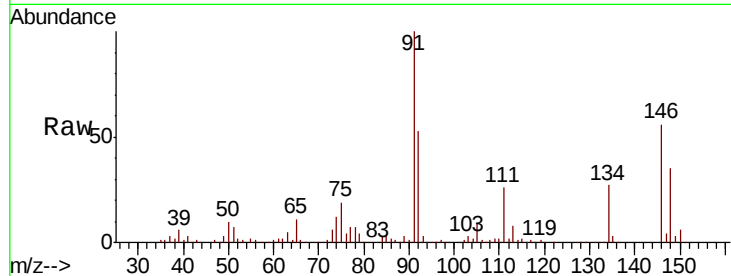
#87
 1,2-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	62.8	31.4	94.2

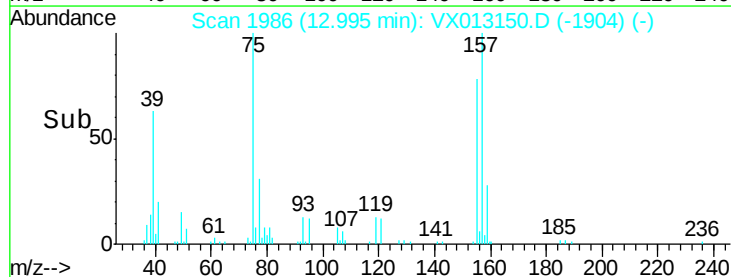
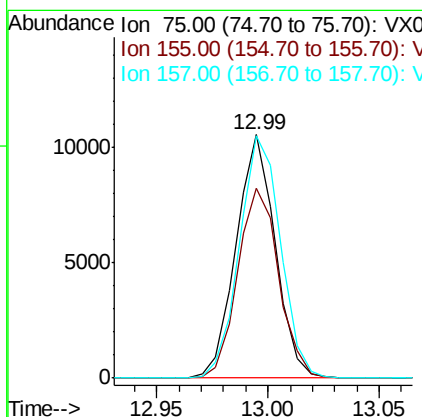
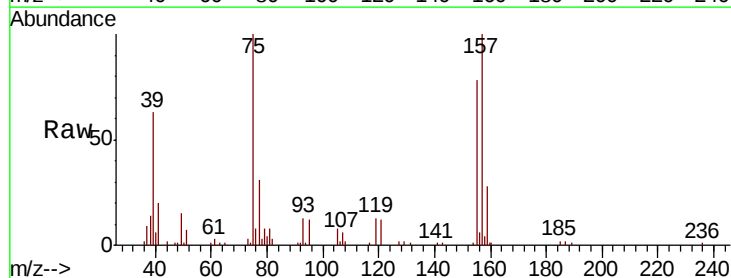
Manual Integrations
 APPROVED

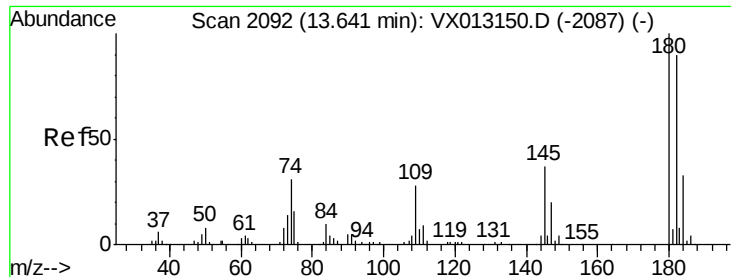
MMDadoda
 10/22/2019 12:30:11 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.126 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013150.D
 Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	65.4	98.0
157	105.1	84.1	126.1





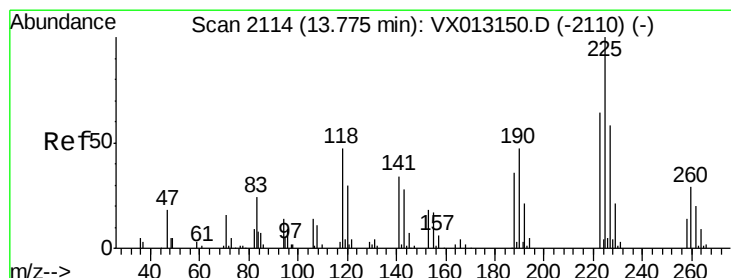
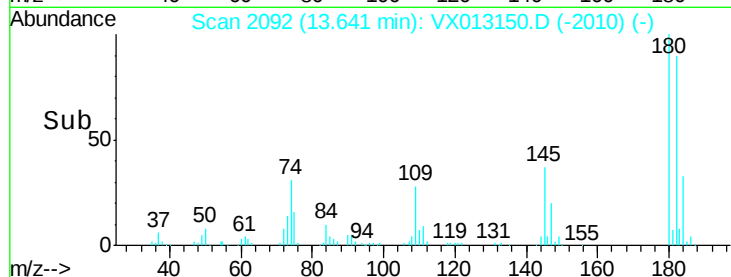
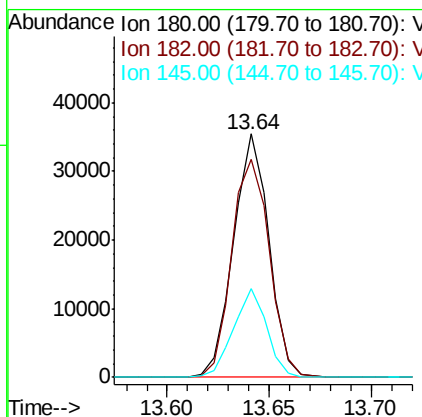
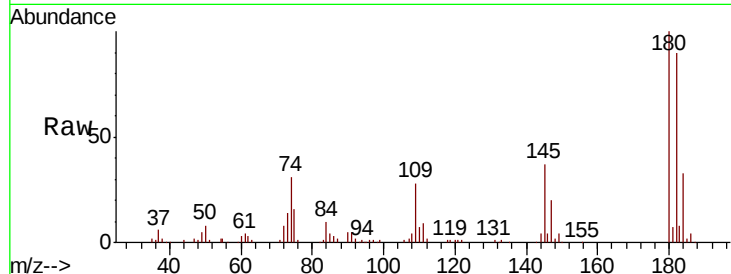
#89
1,2,4-Trichlorobenzene
Concen: 19.057 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	34.3	27.4	41.2

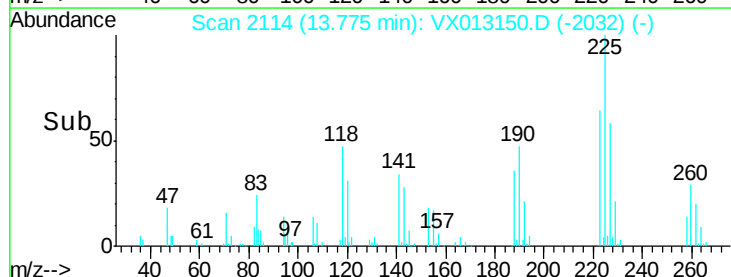
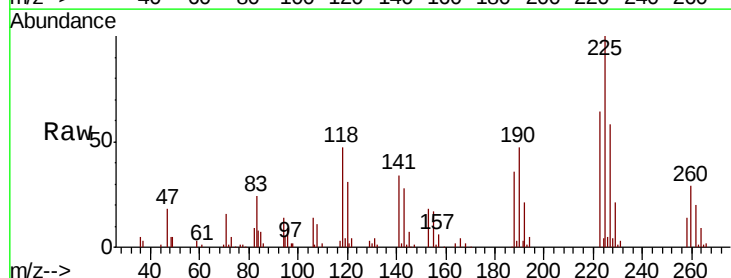
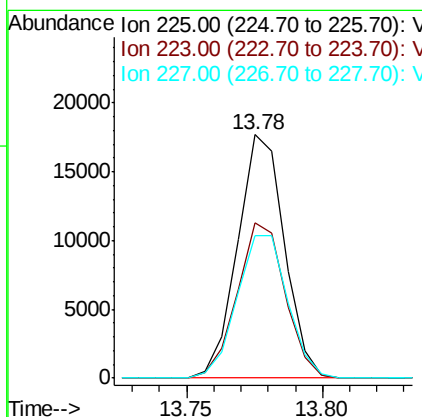
Manual Integrations
APPROVED

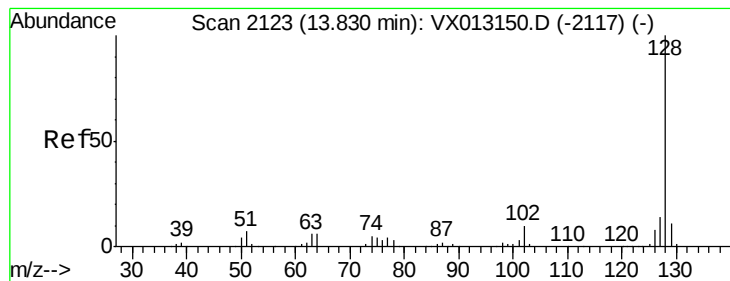
MMDadoda
10/22/2019 12:30:11 PM



#90
Hexachlorobutadiene
Concen: 19.565 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013150.D
Acq: 21 Oct 2019 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	0.0	131.2
227	63.5	0.0	127.0





#91

Naphthalene

Concen: 18.746 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 141838

Ion Ratio Lower Upper

128 100

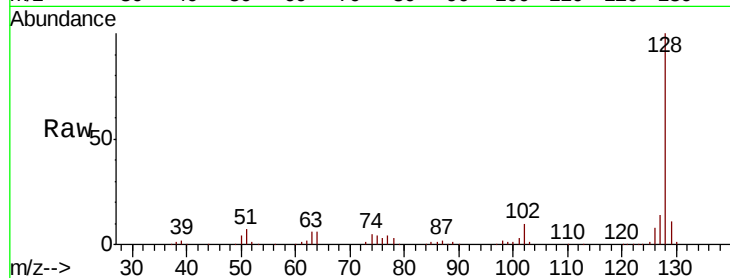
127 13.1 10.5 15.7

129 10.7 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

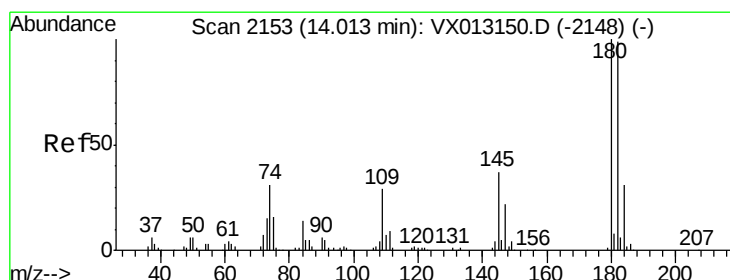
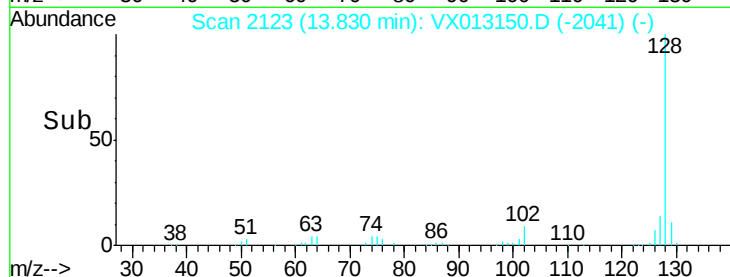
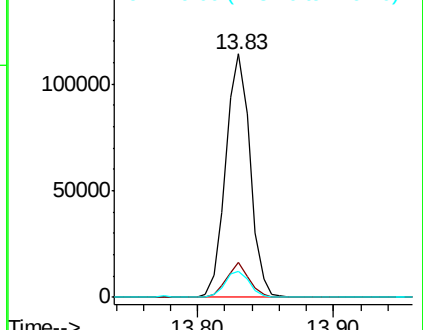
10/22/2019 12:30:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.586 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013150.D

Acq: 21 Oct 2019 12:37

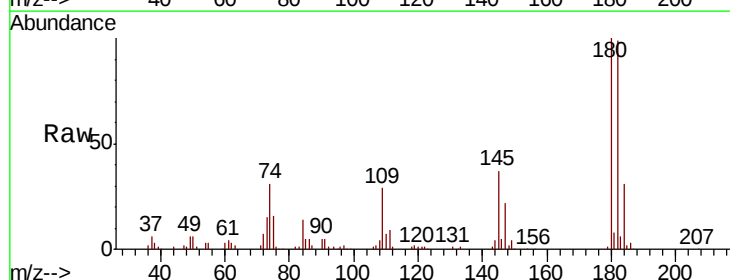
Tgt Ion:180 Resp: 44273

Ion Ratio Lower Upper

180 100

182 97.2 0.0 194.4

145 35.6 0.0 71.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

