

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	48241	15.65	ug/l	0.00
Spiked Amount						
			Recovery	=	31.30%	
35) Dibromofluoromethane	5.48	113	34070	13.82	ug/l	0.00
Spiked Amount						
			Recovery	=	27.64%	
50) Toluene-d8	8.71	98	125662	14.38	ug/l	0.00
Spiked Amount						
			Recovery	=	28.76%	
62) 4-Bromofluorobenzene	11.14	95	51146	13.81	ug/l	0.00
Spiked Amount						
			Recovery	=	27.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	20769	15.357	ug/l	98
3) Chloromethane	1.32	50	16858	14.379	ug/l	99
4) Vinyl Chloride	1.40	62	18689	14.458	ug/l	96
5) Bromomethane	1.63	94	8716	16.128	ug/l	93
6) Chloroethane	1.72	64	13796	16.060	ug/l	92
7) Trichlorofluoromethane	1.92	101	35872	15.190	ug/l	99
8) Diethyl Ether	2.18	74	15019	14.407	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24456	14.368	ug/l	99
10) Methyl Iodide	2.50	142	16756	10.715	ug/l	99
11) Tert butyl alcohol	3.03	59	56444	71.265	ug/l	99
12) 1,1-Dichloroethene	2.36	96	19822	14.817	ug/l	94
13) Acrolein	2.28	56	21373	64.862	ug/l	98
14) Allyl chloride	2.72	41	45620	14.681	ug/l	98
15) Acrylonitrile	3.13	53	94045	71.119	ug/l	99
16) Acetone	2.43	43	106129	73.583	ug/l	97
17) Carbon Disulfide	2.56	76	25333	14.338	ug/l #	94
18) Methyl Acetate	2.76	43	45573	14.374	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	104633	14.401	ug/l	98
20) Methylene Chloride	2.84	84	26516	13.684	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	20373	14.164	ug/l	96
22) Diisopropyl ether	3.84	45	104328	14.630	ug/l	96
23) Vinyl Acetate	3.80	43	442184	75.167	ug/l	98
24) 1,1-Dichloroethane	3.69	63	51334	14.369	ug/l	99
25) 2-Butanone	4.66	43	148659	73.019	ug/l	96
26) 2,2-Dichloropropane	4.57	77	49144	14.416	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	29823	14.105	ug/l	99
28) Bromochloromethane	5.01	49	27405	15.032	ug/l	99
29) Tetrahydrofuran	5.12	42	86117	73.134	ug/l	99
30) Chloroform	5.20	83	57059	13.859	ug/l	93
31) Cyclohexane	5.57	56	31769	14.831	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	49330	14.466	ug/l	99
36) 1,1-Dichloropropene	5.79	75	31717	13.075	ug/l	97
37) Ethyl Acetate	4.83	43	52063	13.943	ug/l	99
38) Carbon Tetrachloride	5.77	117	38554	13.127	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012430.D
 Acq On : 17 Sep 2019 12:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:36:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31860	13.739	ug/l	95
40) Benzene	6.13	78	102025	13.733	ug/l	99
41) Methacrylonitrile	5.03	41	30872	14.512	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46165	13.606	ug/l	99
43) Isopropyl Acetate	6.43	43	86516	13.470	ug/l	99
44) Trichloroethene	7.21	130	26520	13.296	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30190	13.209	ug/l	98
46) Dibromomethane	7.65	93	20029	13.197	ug/l	95
47) Bromodichloromethane	7.89	83	43225	12.790	ug/l	99
48) Methyl methacrylate	7.76	41	41223	14.456	ug/l	99
49) 1,4-Dioxane	7.73	88	19235	264.380	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	289211	69.606	ug/l	99
52) Toluene	8.78	92	66449	13.760	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	45672	13.024	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48294	13.305	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	32790	12.830	ug/l	97
56) Ethyl methacrylate	9.17	69	51249	13.344	ug/l	98
57) 1,3-Dichloropropane	9.37	76	52762	13.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	140835	68.795	ug/l	100
59) 2-Hexanone	9.49	43	220720	68.717	ug/l	99
60) Dibromochloromethane	9.58	129	33912	12.994	ug/l	99
61) 1,2-Dibromoethane	9.67	107	31581	13.477	ug/l	97
64) Tetrachloroethene	9.33	164	23018	14.786	ug/l	92
65) Chlorobenzene	10.14	112	76591	13.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31864	13.726	ug/l	100
67) Ethyl Benzene	10.25	91	133296	14.221	ug/l	99
68) m/p-Xylenes	10.35	106	97908	28.352	ug/l	99
69) o-Xylene	10.70	106	49658	13.859	ug/l	100
70) Styrene	10.71	104	87067	14.021	ug/l	100
71) Bromoform	10.85	173	22356	12.553	ug/l	98
73) Isopropylbenzene	11.01	105	142719	17.644	ug/l	100
74) N-amyl acetate	10.89	43	74805	17.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	54165	16.714	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	51877m	17.240	ug/l	
77) Bromobenzene	11.25	156	33868	16.376	ug/l	97
78) n-propylbenzene	11.35	91	159768	17.491	ug/l	100
79) 2-Chlorotoluene	11.42	91	101229	17.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	121812	17.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15641	14.684	ug/l	93
82) 4-Chlorotoluene	11.51	91	116991	17.164	ug/l	98
83) tert-Butylbenzene	11.76	119	127475	17.111	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	124421	17.462	ug/l	100
85) sec-Butylbenzene	11.94	105	143544	17.402	ug/l	99
86) p-Isopropyltoluene	12.06	119	131233	17.393	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62726	16.148	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	63811	16.270	ug/l	98
89) n-Butylbenzene	12.38	91	115022	17.261	ug/l	99
90) Hexachloroethane	12.59	117	22938	15.753	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66317	16.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13872	16.174	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091719\
Data File : VX012430.D
Acq On : 17 Sep 2019 12:46
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

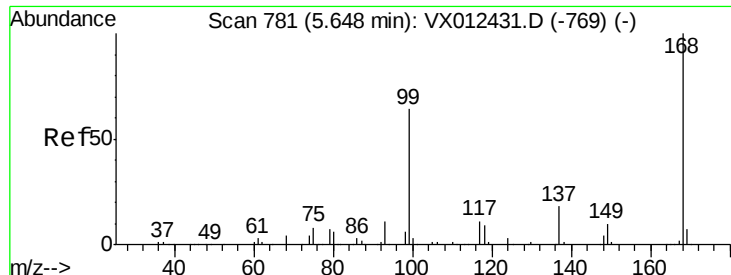
Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM

Quant Time: Sep 17 13:48:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 13:36:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41886	15.770	ug/l	98
94) Hexachlorobutadiene	13.77	225	20006	15.755	ug/l	98
95) Naphthalene	13.83	128	155248	17.114	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44670	16.898	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 162449

Ion Ratio Lower Upper

168 100

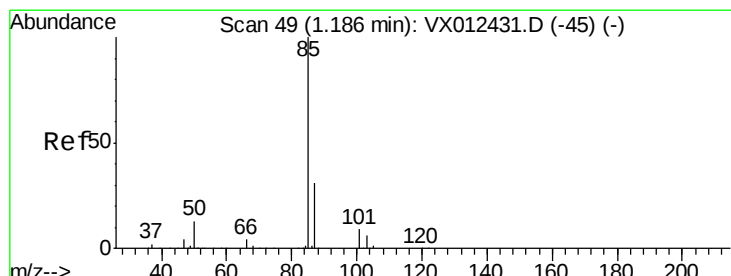
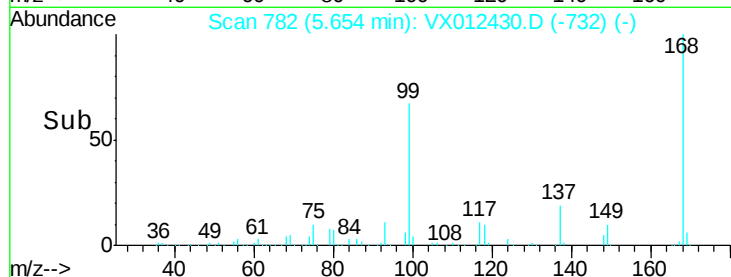
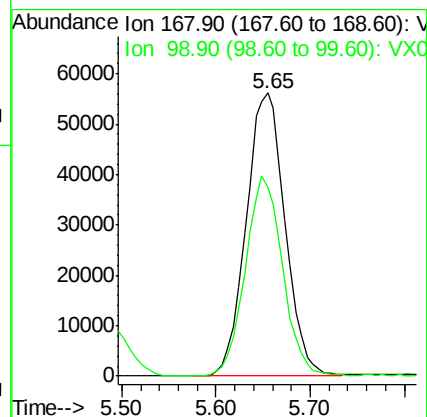
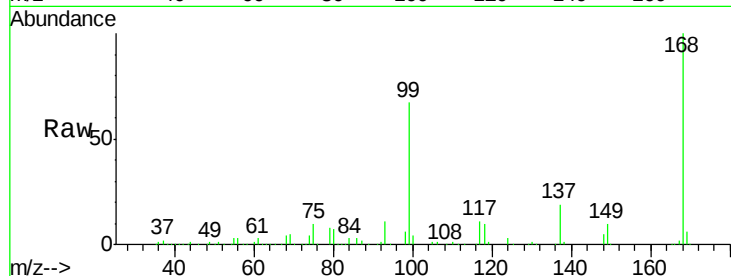
99 66.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#2

Dichlorodifluoromethane

Concen: 15.357 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012430.D

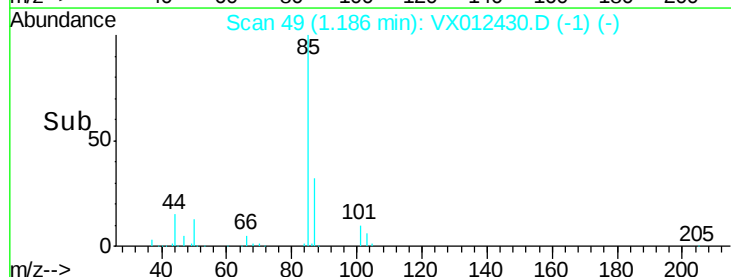
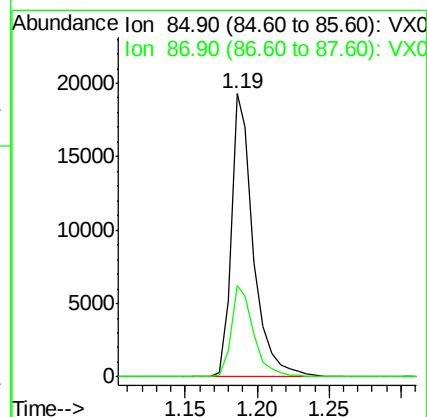
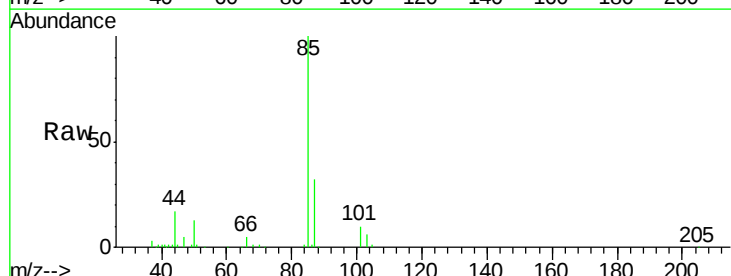
Acq: 17 Sep 2019 12:46

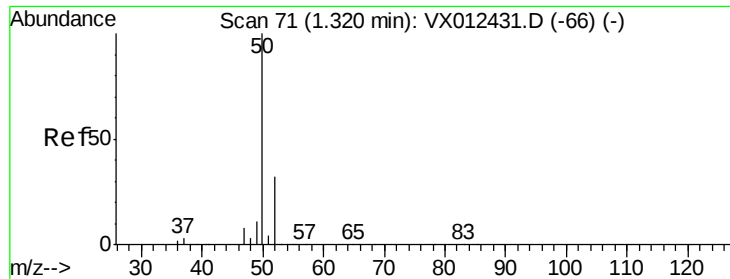
Tgt Ion: 85 Resp: 20769

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.8





#3

Chloromethane

Concen: 14.379 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 16858

Ion Ratio Lower Upper

50 100

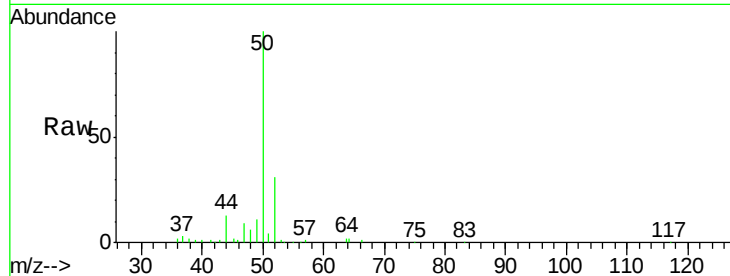
52 31.4 25.7 38.5

Manual Integrations

APPROVED

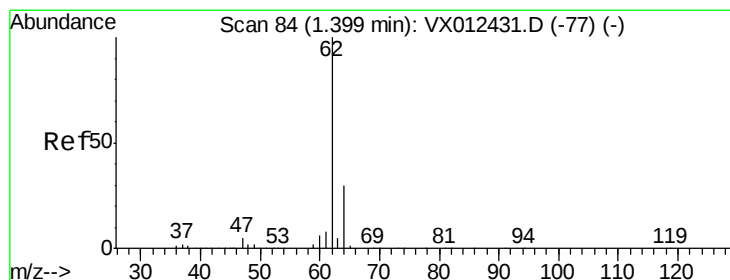
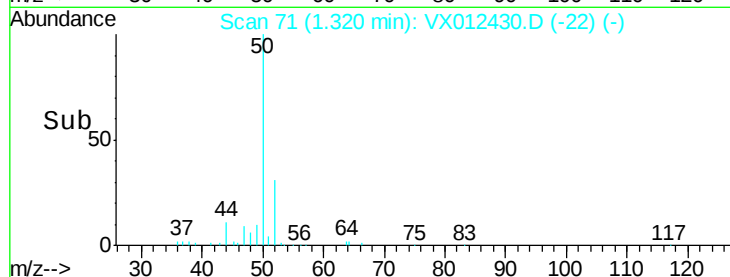
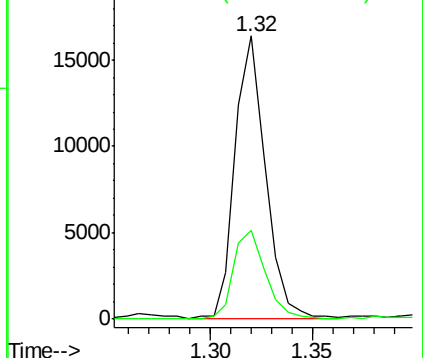
MMDadoda

9/18/2019 11:22:09 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 14.458 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012430.D

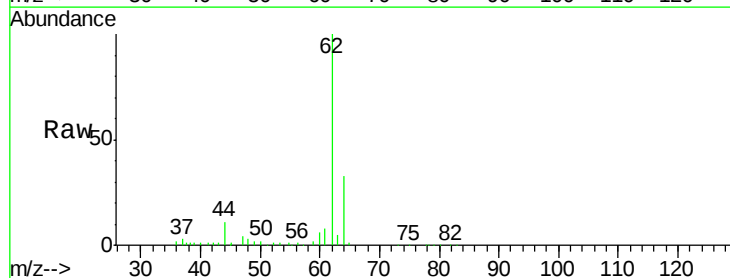
Acq: 17 Sep 2019 12:46

Tgt Ion: 62 Resp: 18689

Ion Ratio Lower Upper

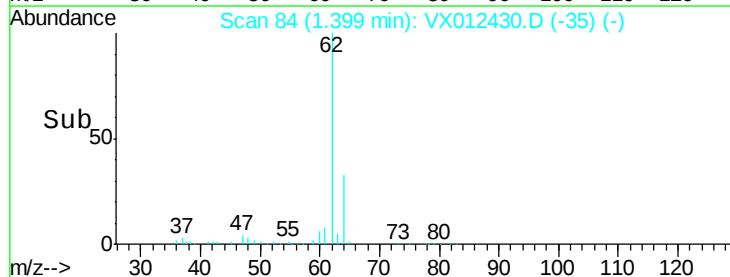
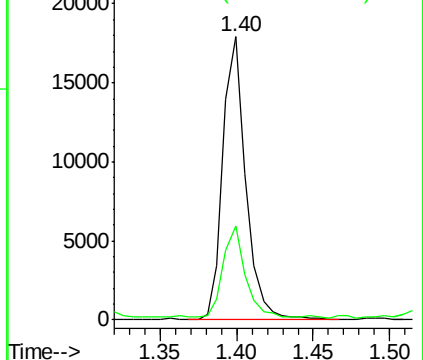
62 100

64 32.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.128 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 8716

Ion Ratio Lower Upper

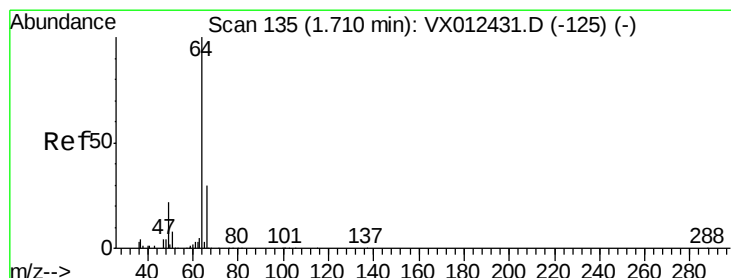
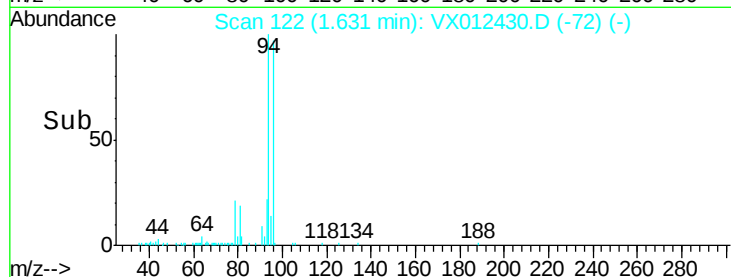
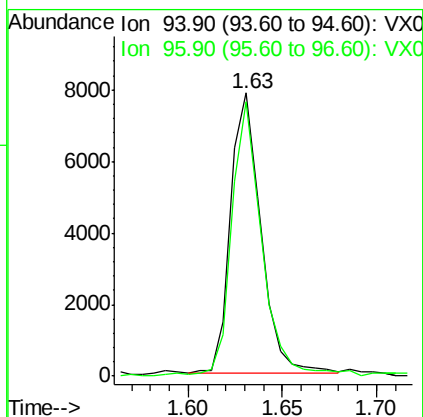
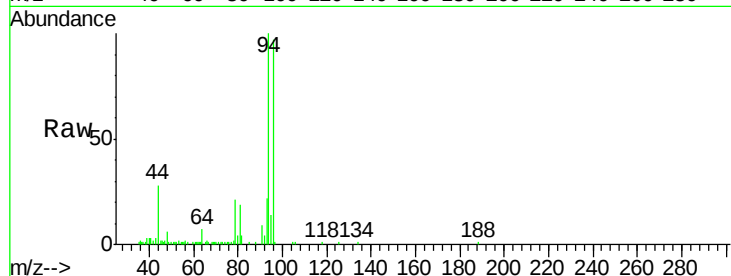
94 100

96 97.6 72.8 109.2

Manual Integrations
APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#6

Chloroethane

Concen: 16.060 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012430.D

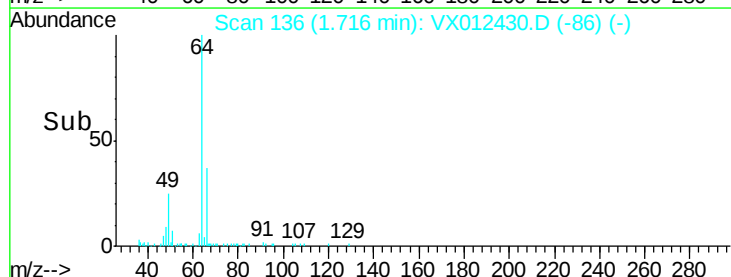
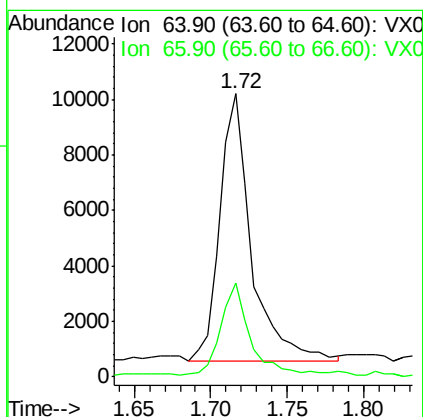
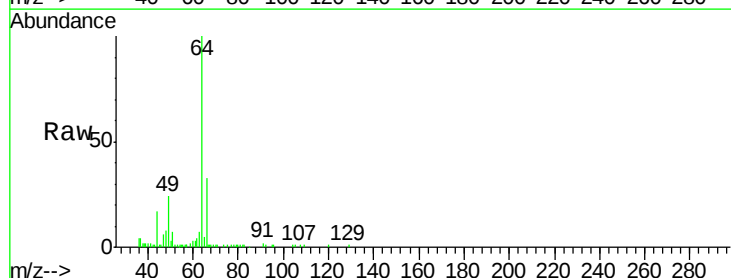
Acq: 17 Sep 2019 12:46

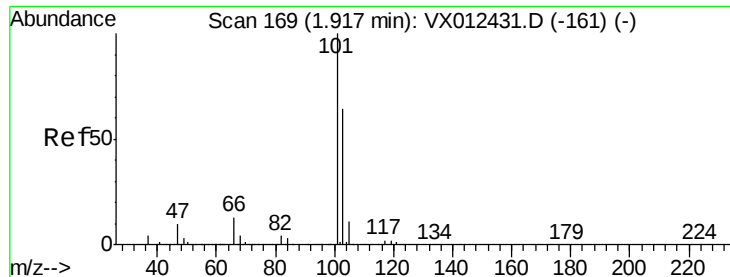
Tgt Ion: 64 Resp: 13796

Ion Ratio Lower Upper

64 100

66 34.1 24.0 36.0





#7

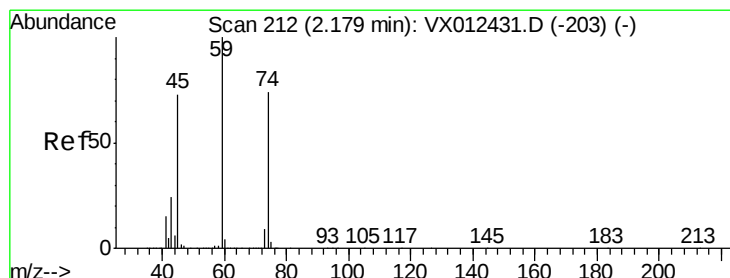
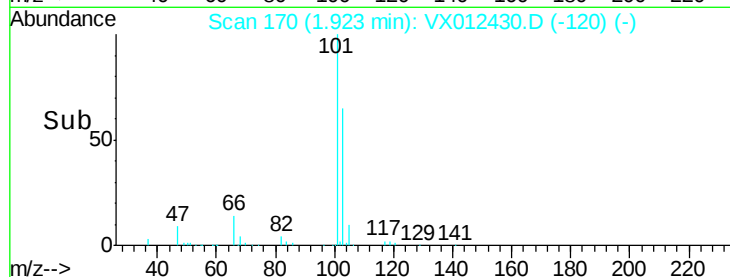
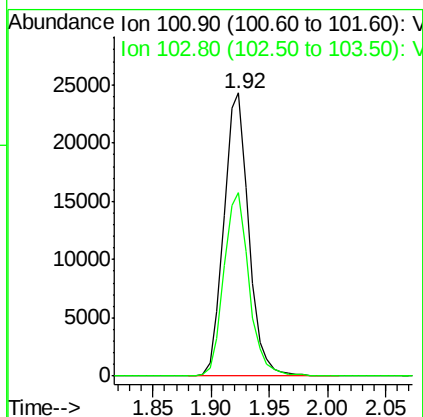
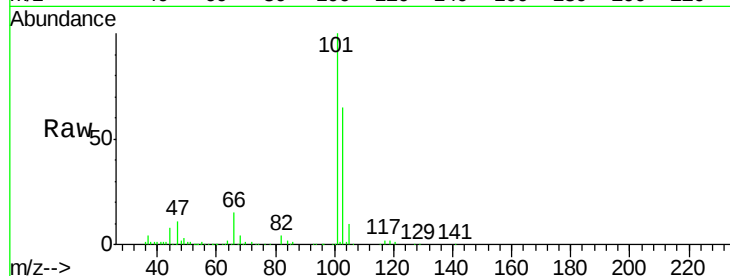
Trichlorofluoromethane
 Concen: 15.190 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4

Manual Integrations
 APPROVED

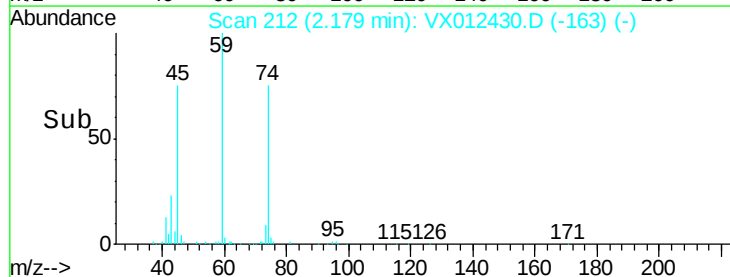
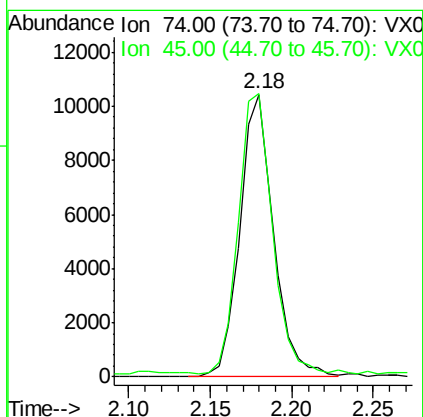
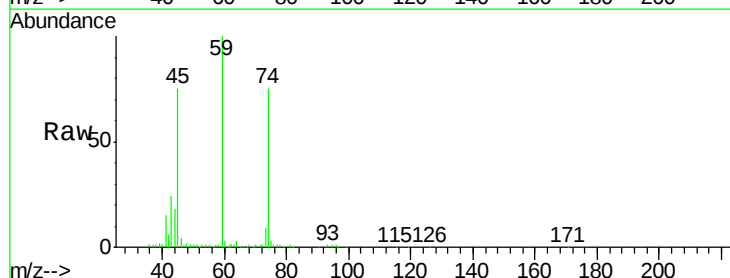
MMDadoda
 9/18/2019 11:22:09 AM

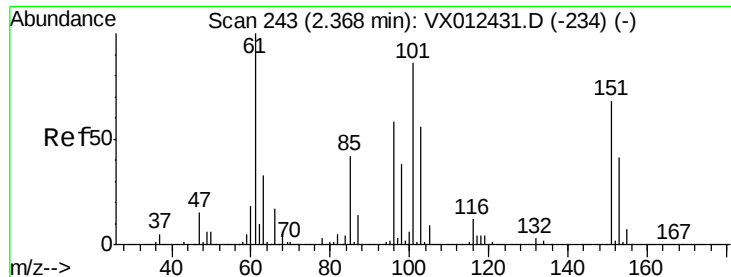


#8

Diethyl Ether
 Concen: 14.407 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.368 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

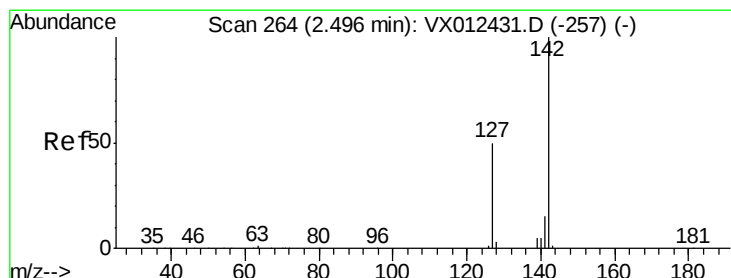
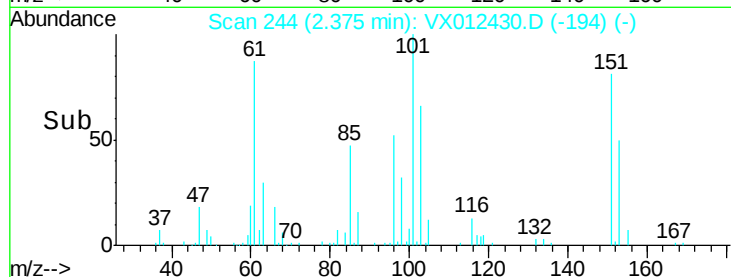
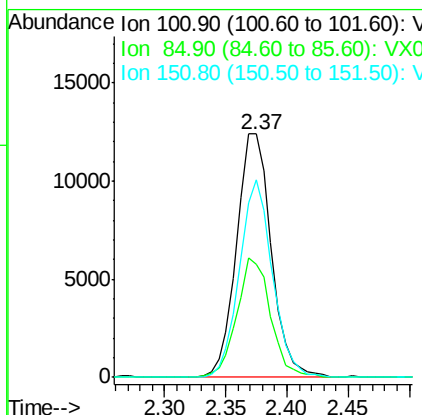
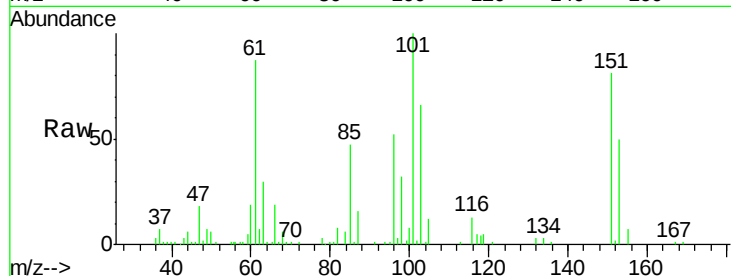
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	24456
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.3	55.9
151	77.0	61.0	91.4

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#10

Methyl Iodide

Concen: 10.715 ug/l

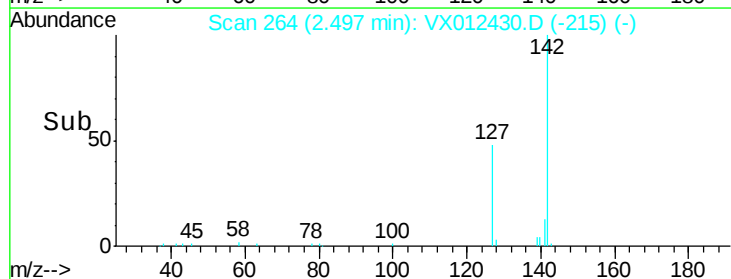
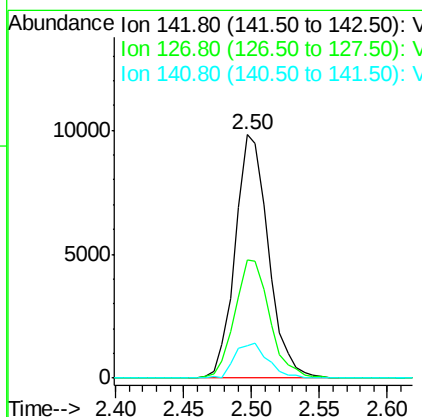
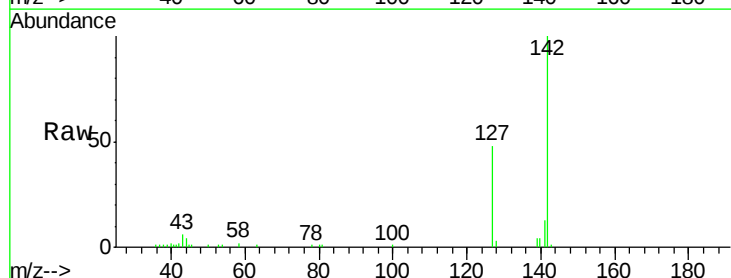
RT: 2.50 min Scan# 264

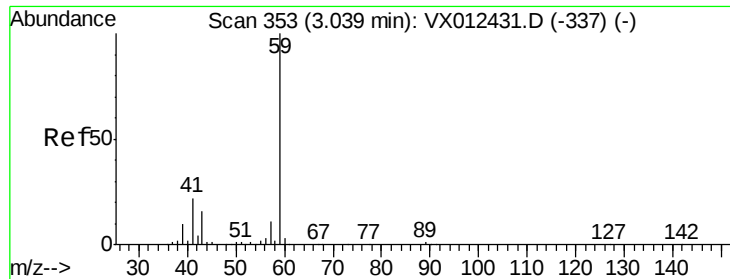
Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	142	Resp:	16756
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.8	61.2
141	14.2	12.1	18.1





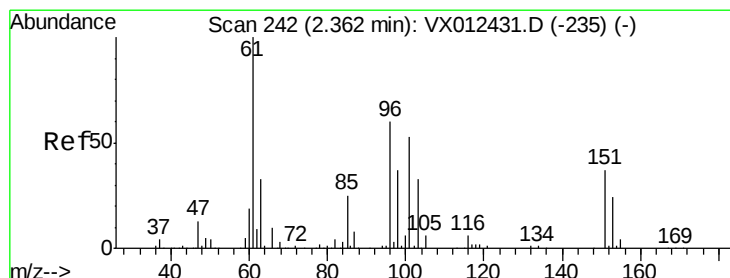
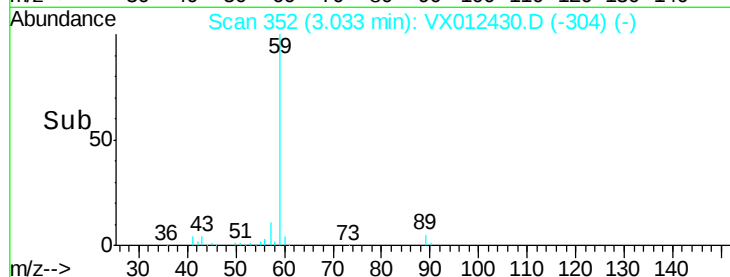
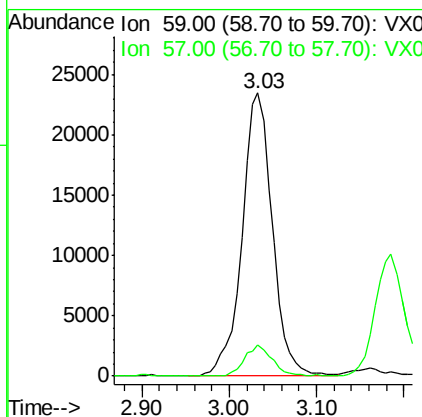
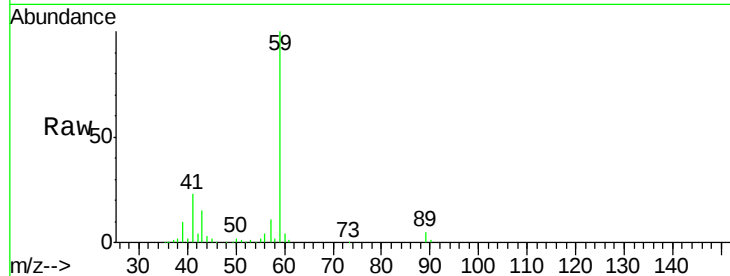
#11
Tert butyl alcohol
Concen: 71.265 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion: 59 Resp: 56444
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

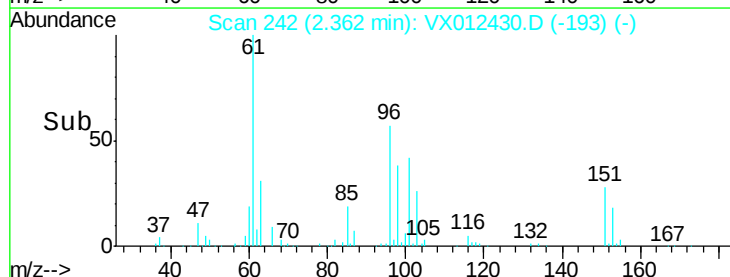
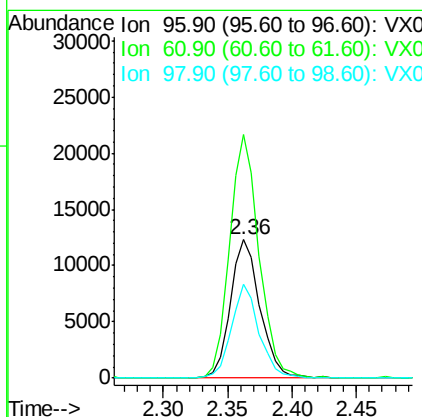
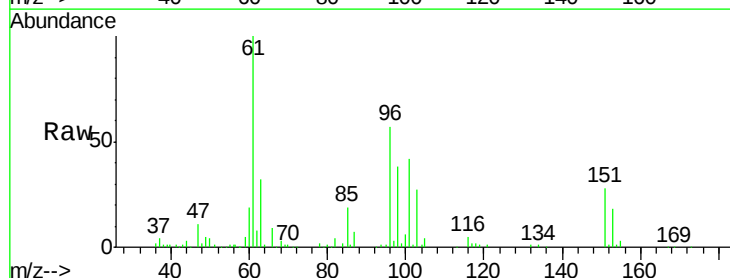
Manual Integrations
APPROVED

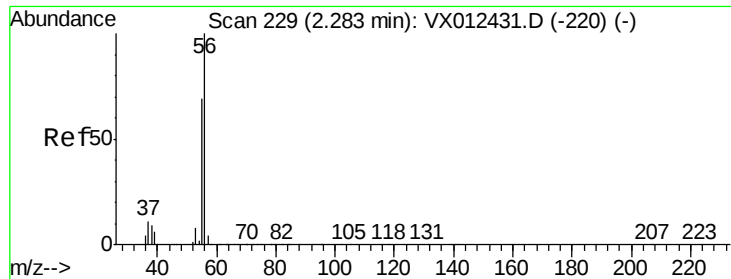
MMDadoda
9/18/2019 11:22:09 AM



#12
1,1-Dichloroethene
Concen: 14.817 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion: 96 Resp: 19822
Ion Ratio Lower Upper
96 100
61 175.8 133.8 200.6
98 67.5 49.9 74.9





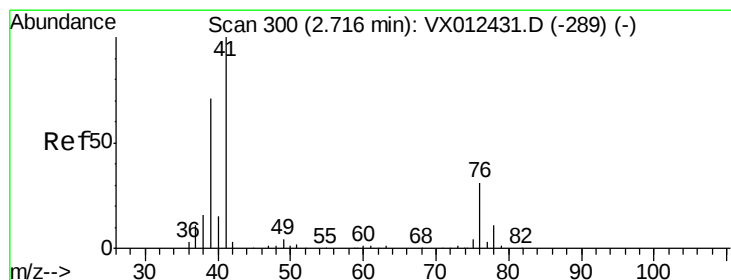
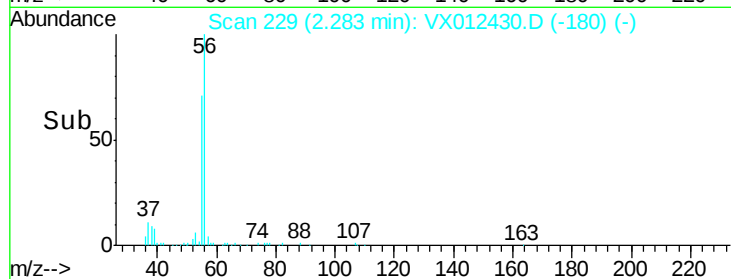
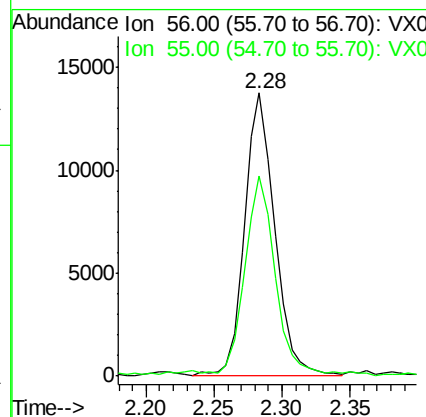
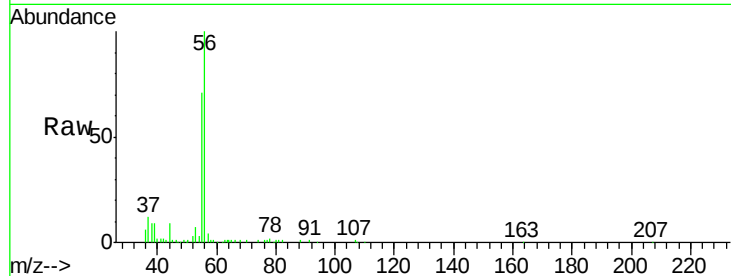
#13
Acrolein
Concen: 64.862 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	21373
Ion Ratio	100	Lower	Upper
55	67.8	55.8	83.8

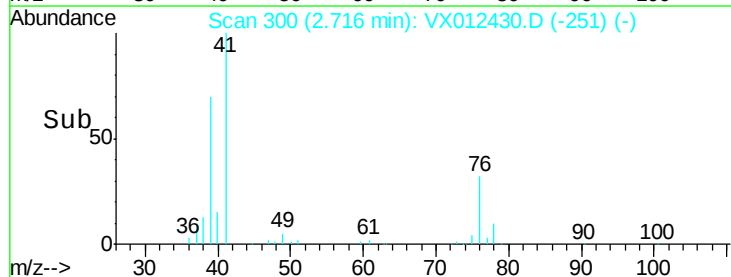
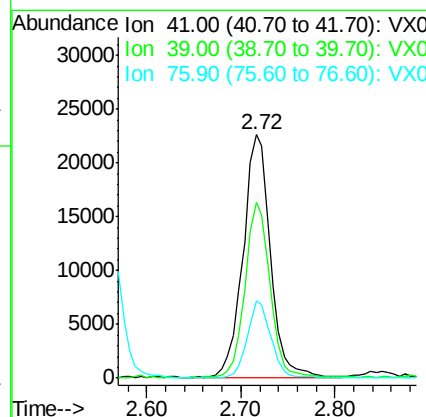
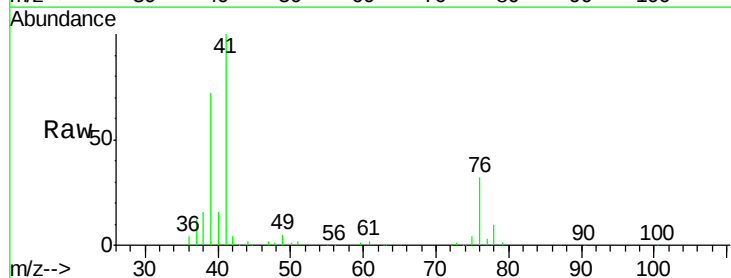
Manual Integrations
APPROVED

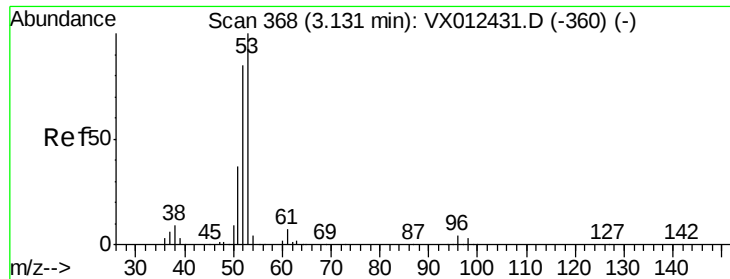
MMDadoda
9/18/2019 11:22:09 AM



#14
Allyl chloride
Concen: 14.681 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	41	Resp	45620
Ion Ratio	100	Lower	Upper
39	66.0	51.3	76.9
76	27.7	22.6	33.8





#15

Acrylonitrile

Concen: 71.119 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

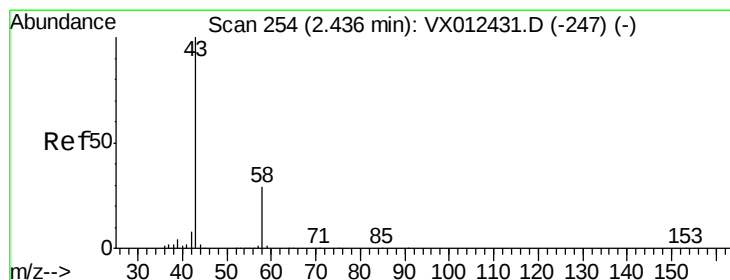
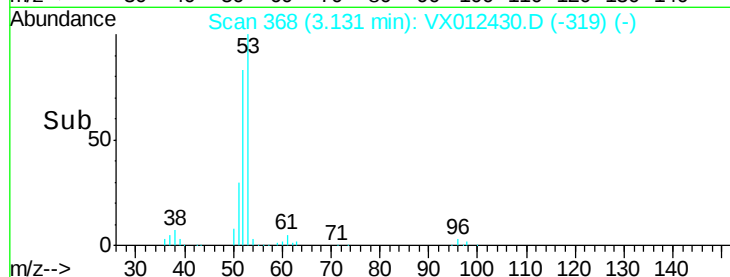
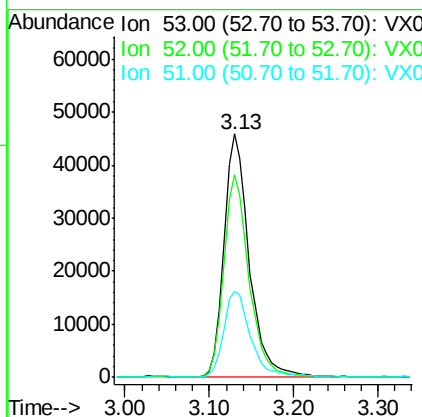
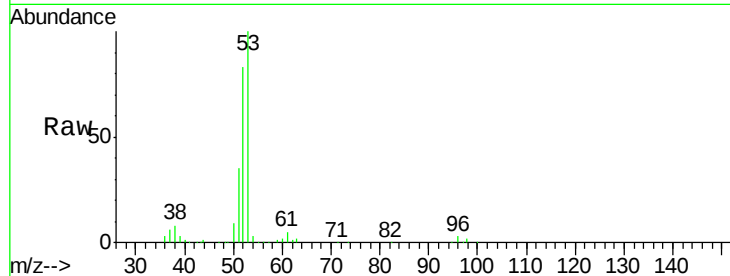
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	94045
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.0	100.4
51	37.9	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#16

Acetone

Concen: 73.583 ug/l

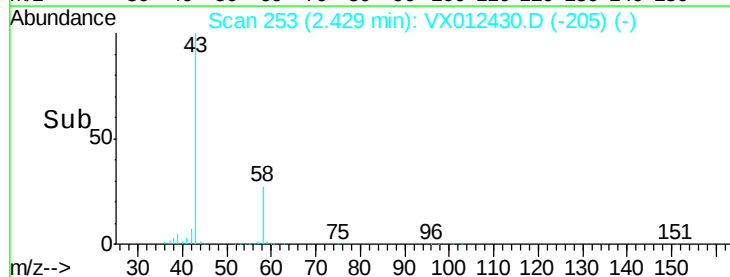
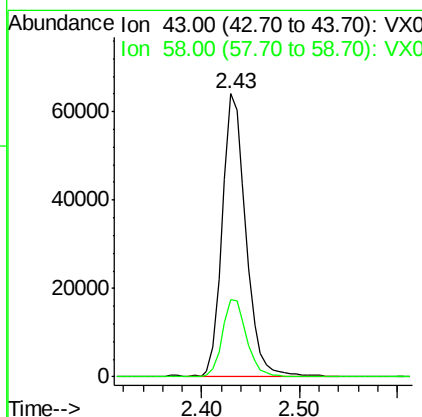
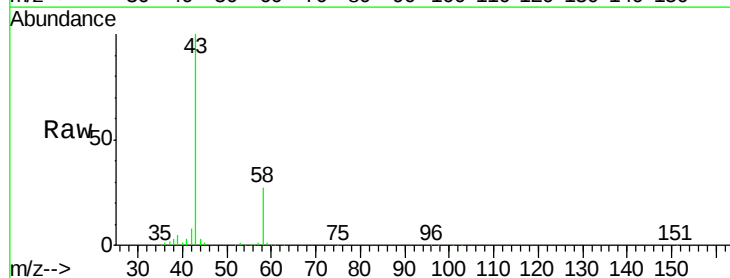
RT: 2.43 min Scan# 253

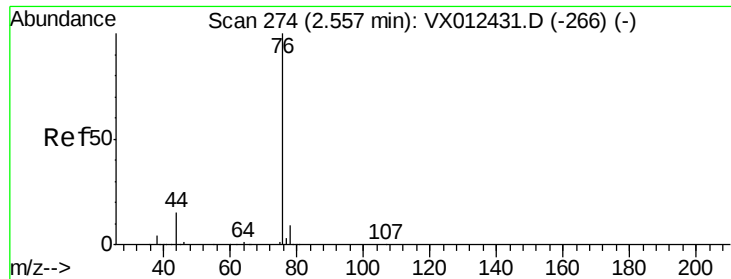
Delta R.T. -0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	43	Resp:	106129
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.3	34.9





#17

Carbon Disulfide

Concen: 14.338 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 25333

Ion Ratio Lower Upper

76 100

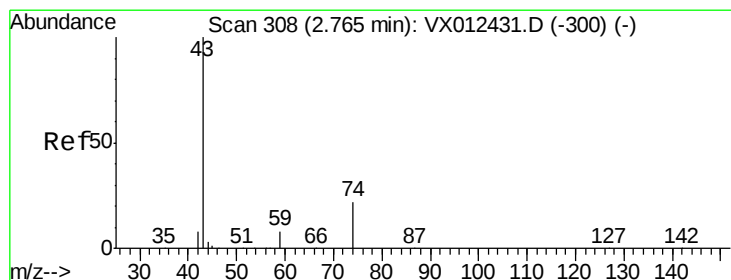
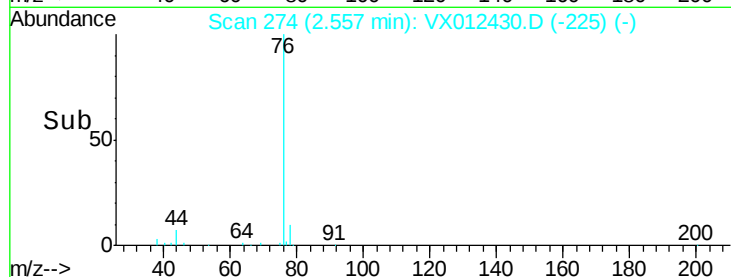
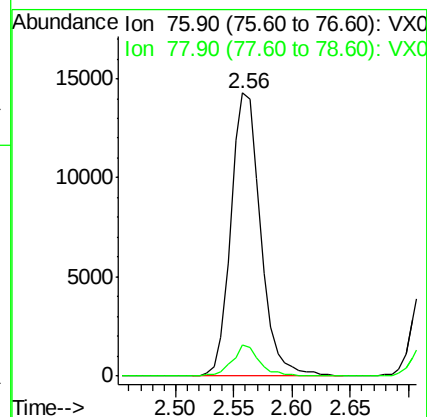
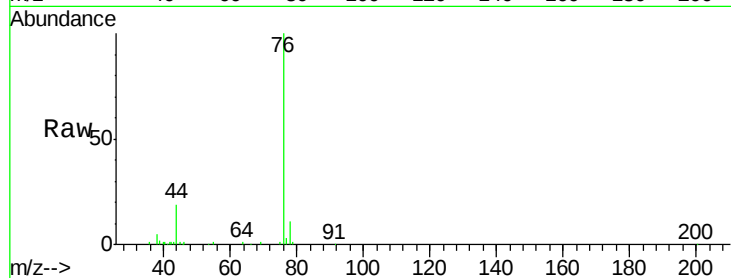
78 11.1 7.3 10.9#

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#18

Methyl Acetate

Concen: 14.374 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012430.D

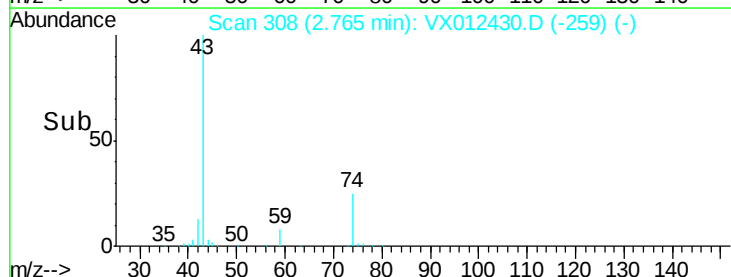
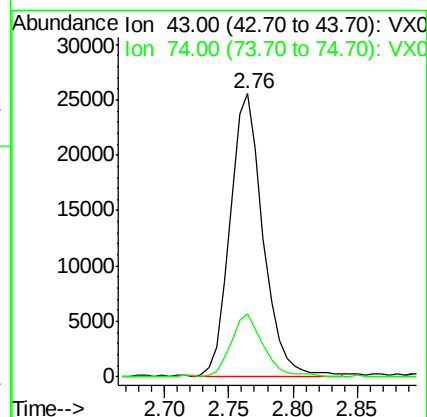
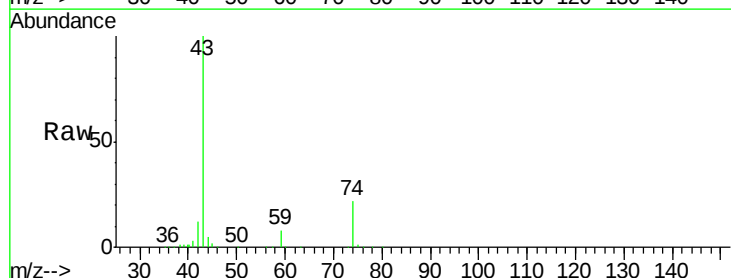
Acq: 17 Sep 2019 12:46

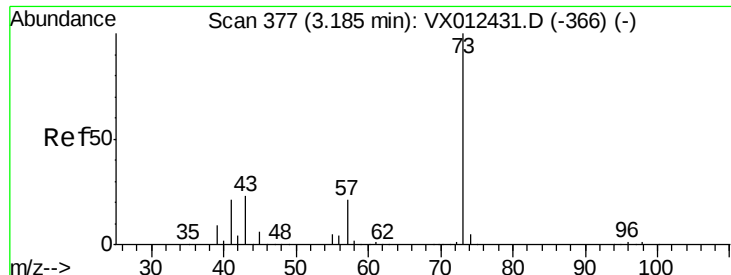
Tgt Ion: 43 Resp: 45573

Ion Ratio Lower Upper

43 100

74 22.3 17.7 26.5





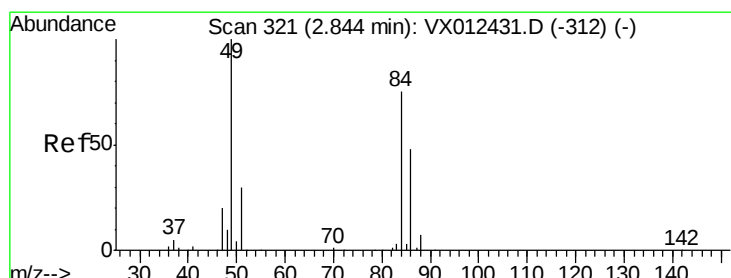
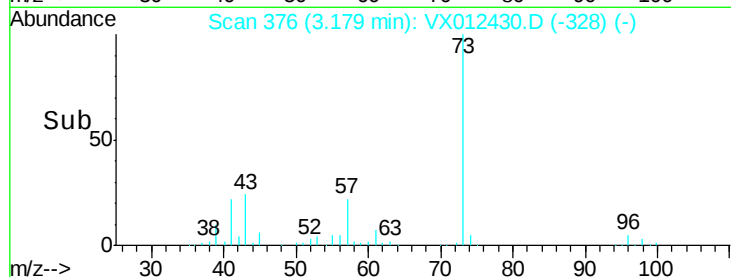
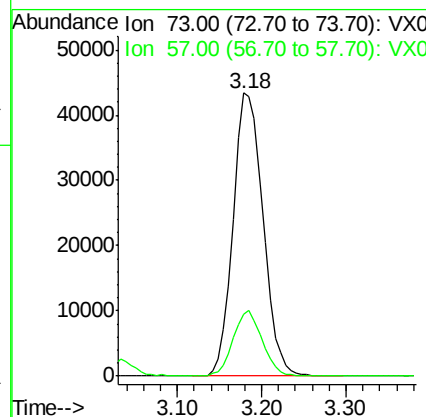
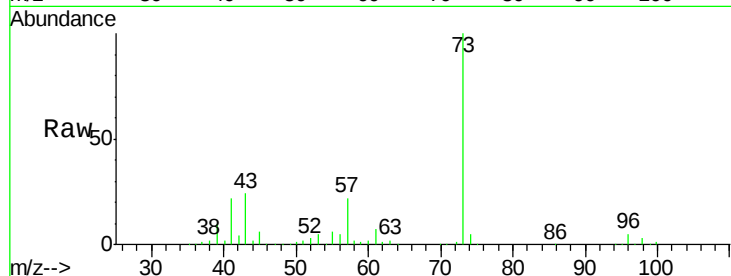
#19
Methyl tert-butyl Ether
Concen: 14.401 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

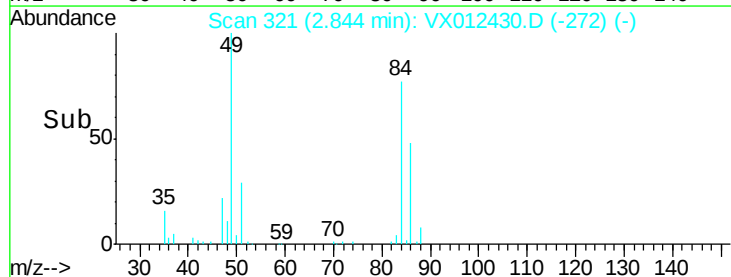
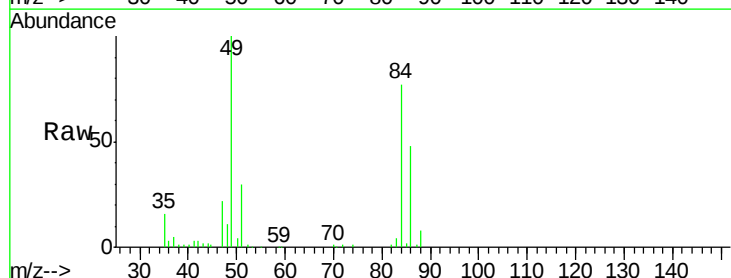
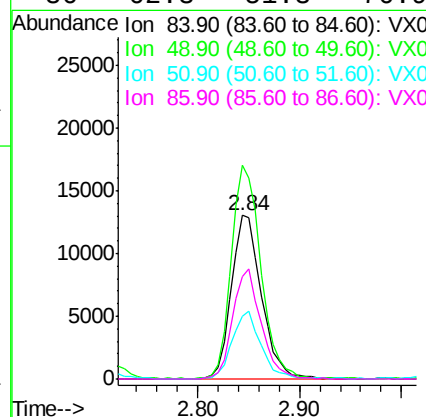
Manual Integrations
APPROVED

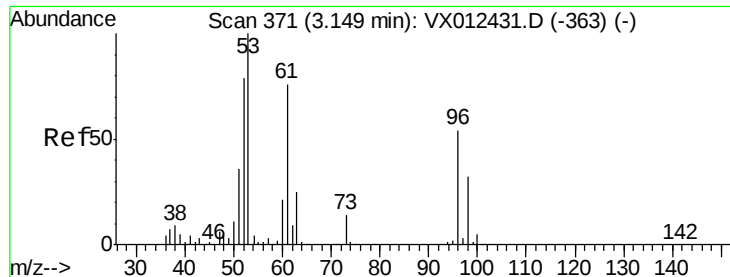
MMDadoda
9/18/2019 11:22:09 AM



#20
Methylene Chloride
Concen: 13.684 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	106.8	160.2
51	38.6	32.3	48.5
86	62.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 14.164 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 20373

Ion Ratio Lower Upper

96 100

61 133.8 112.0 168.0

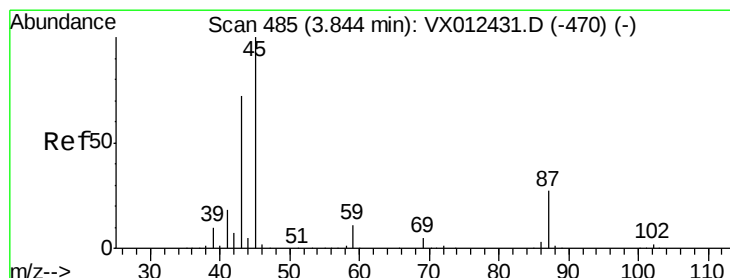
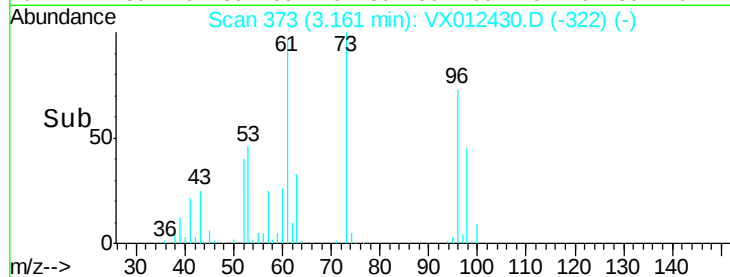
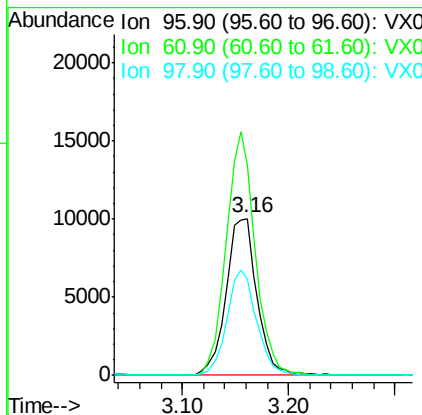
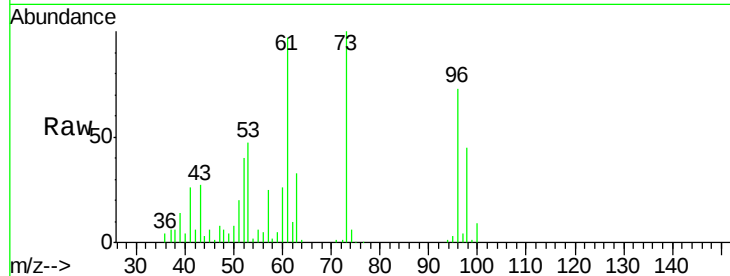
98 61.3 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#22

Diisopropyl ether

Concen: 14.630 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion: 45 Resp: 104328

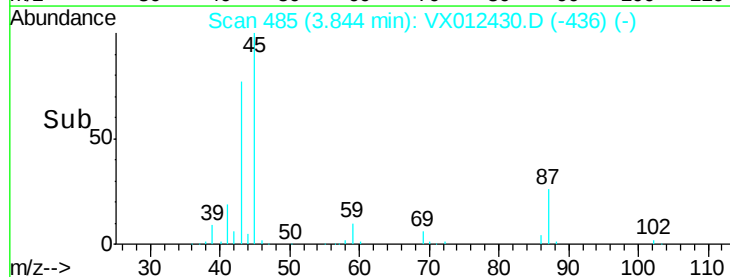
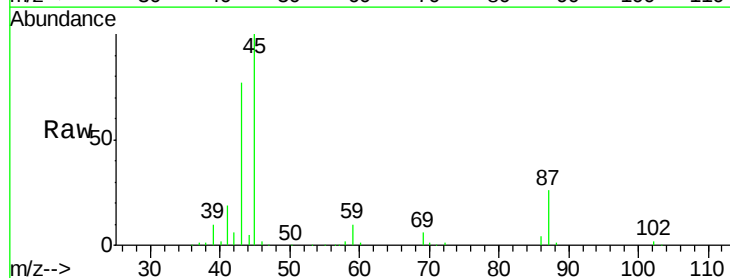
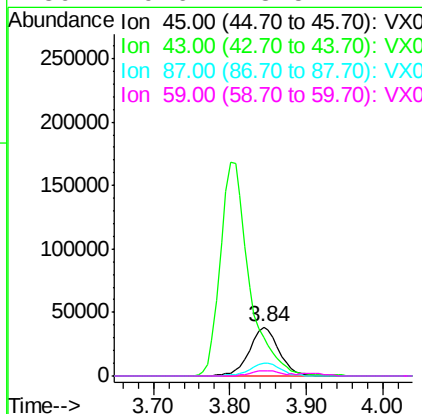
Ion Ratio Lower Upper

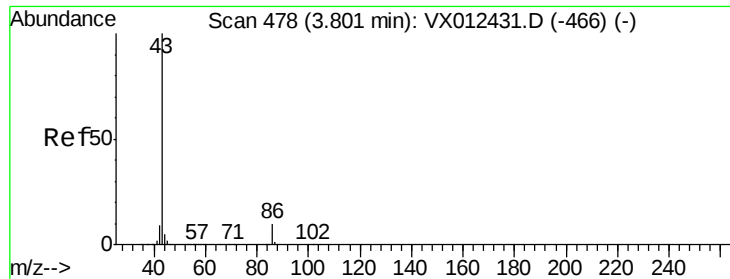
45 100

43 77.1 57.8 86.8

87 25.8 21.3 31.9

59 9.6 8.5 12.7





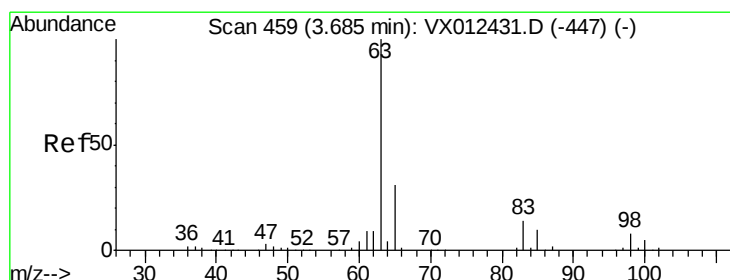
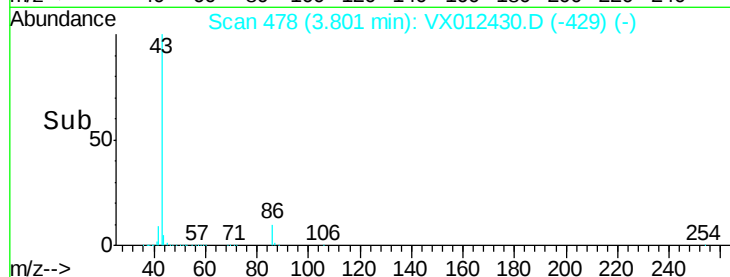
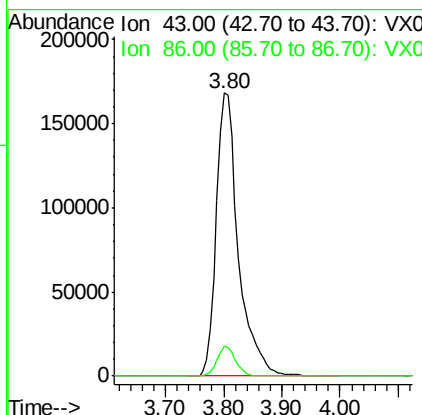
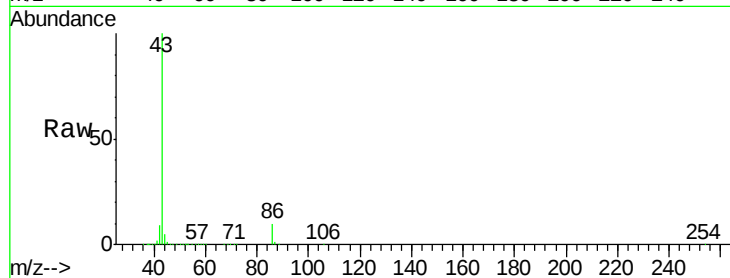
#23
 Vinyl Acetate
 Concen: 75.167 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.8	11.8

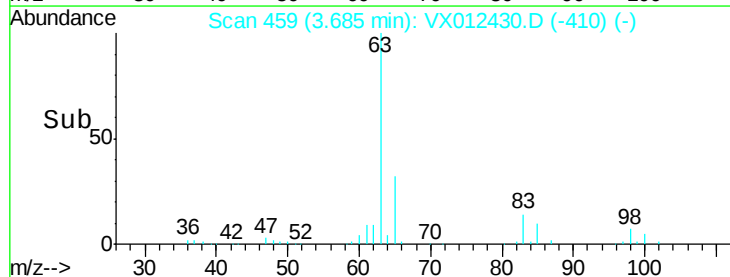
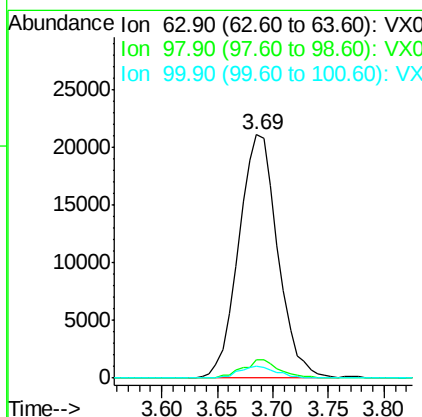
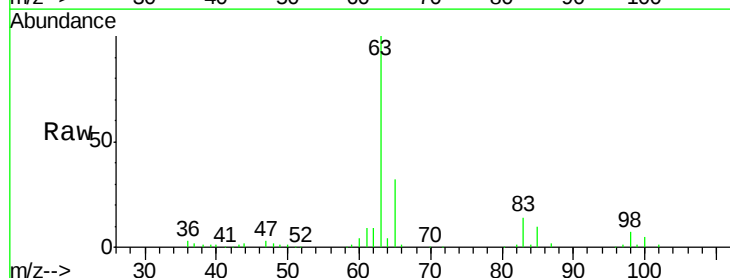
Manual Integrations
 APPROVED

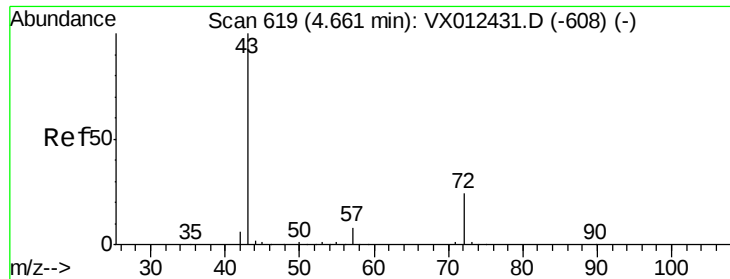
MMDadoda
 9/18/2019 11:22:09 AM



#24
 1,1-Dichloroethane
 Concen: 14.369 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.9	11.7
100	4.8	2.3	6.9





#25

2-Butanone

Concen: 73.019 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 148659

Ion Ratio Lower Upper

43 100

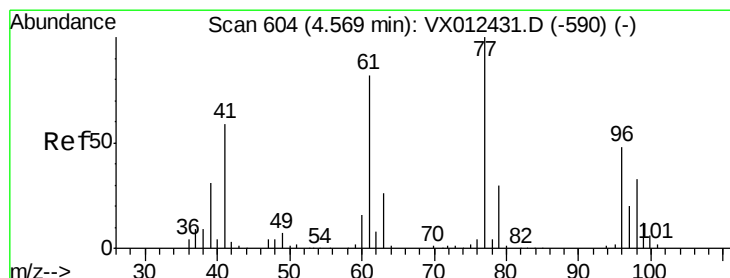
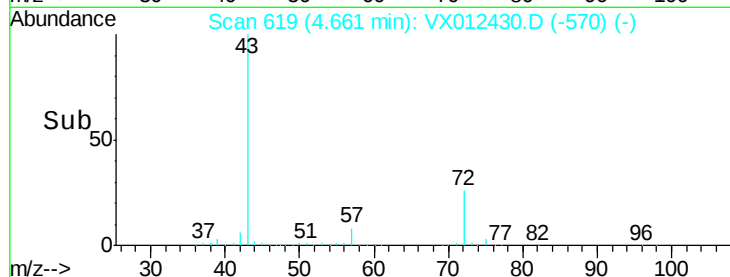
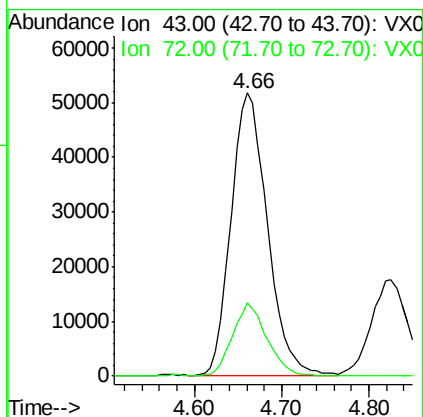
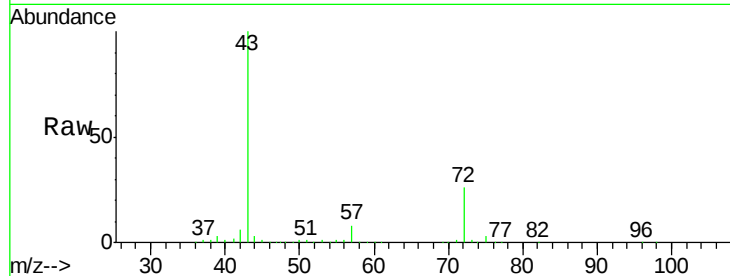
72 25.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#26

2,2-Dichloropropane

Concen: 14.416 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012430.D

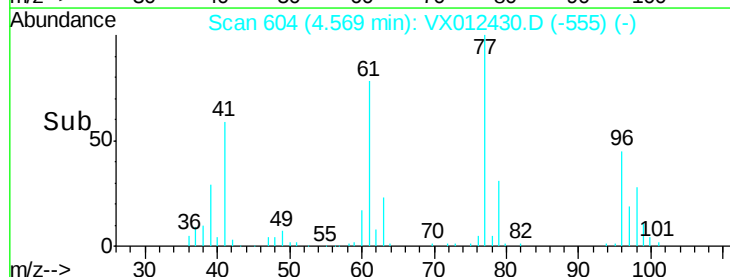
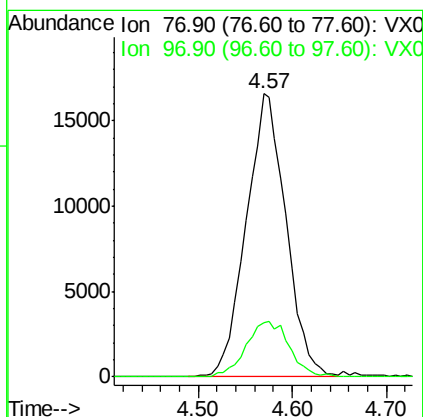
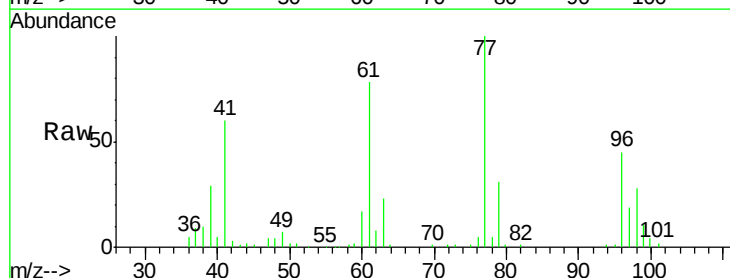
Acq: 17 Sep 2019 12:46

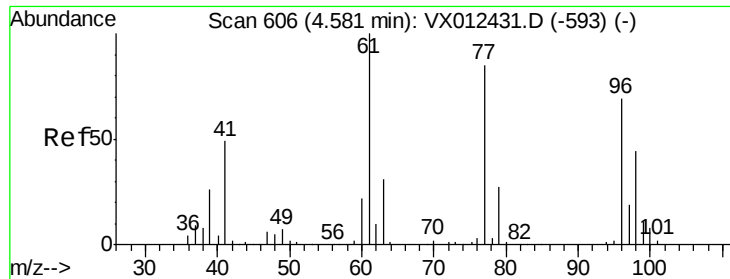
Tgt Ion: 77 Resp: 49144

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

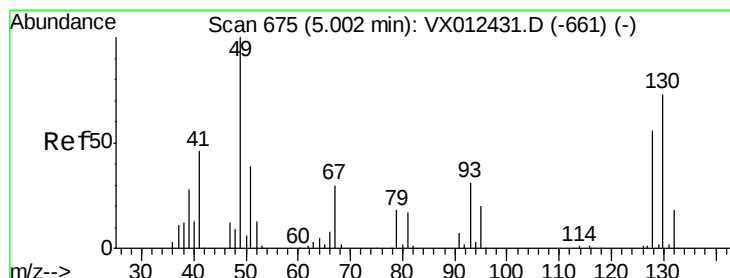
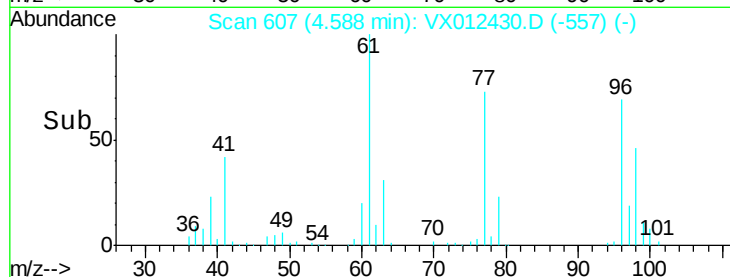
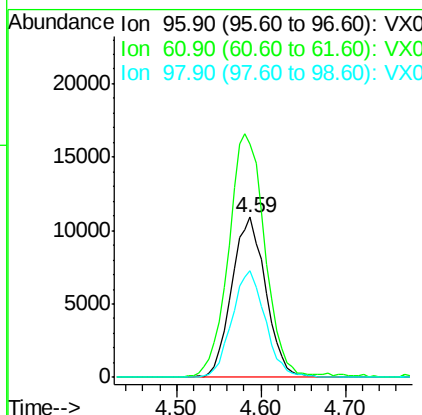
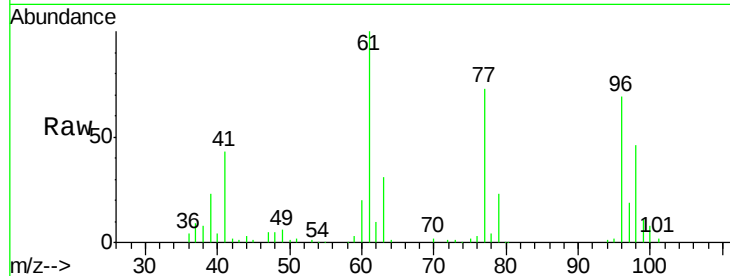
cis-1,2-Dichloroethene
Concen: 14.105 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29823		
61	162.0	0.0	319.4	
98	65.2	0.0	130.6	

Manual Integrations
APPROVED

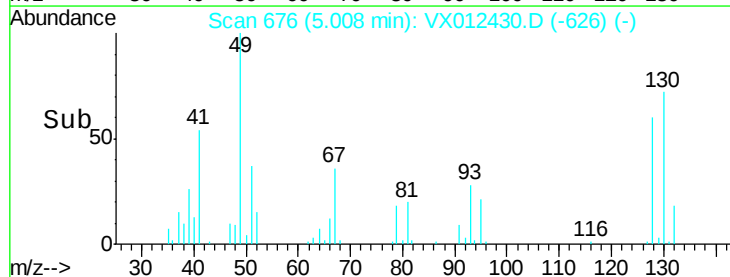
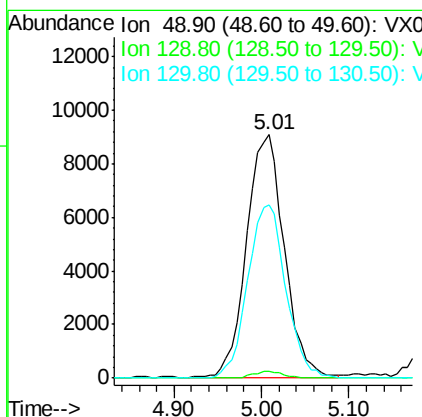
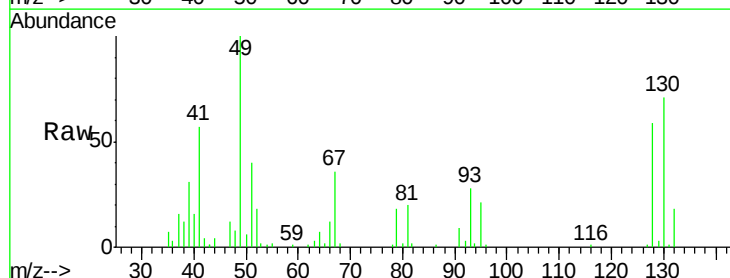
MMDadoda
9/18/2019 11:22:09 AM

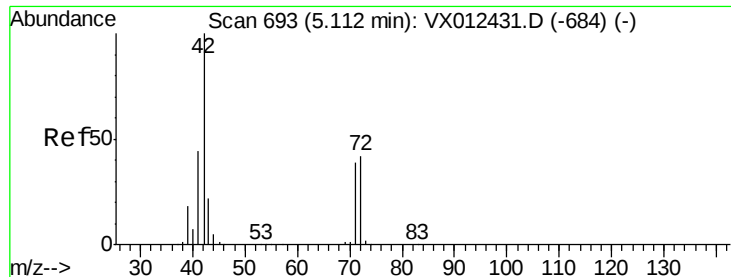


#28

Bromochloromethane
Concen: 15.032 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27405		
129	2.1	0.0	3.8	
130	71.6	58.2	87.4	





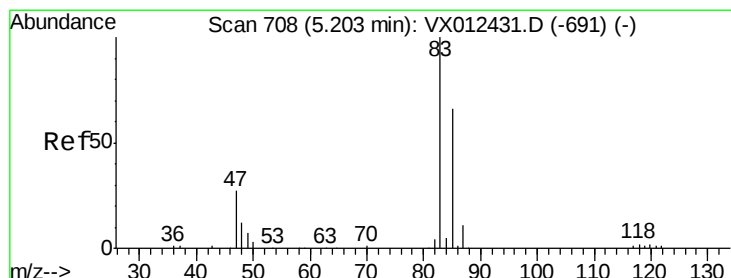
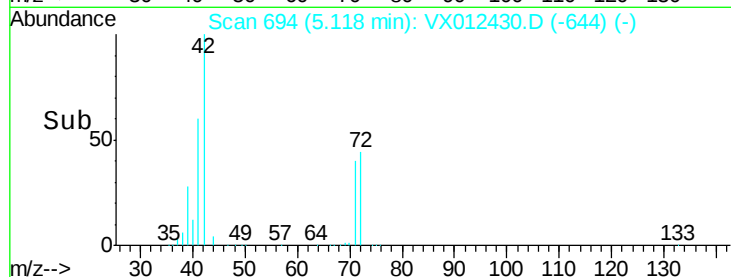
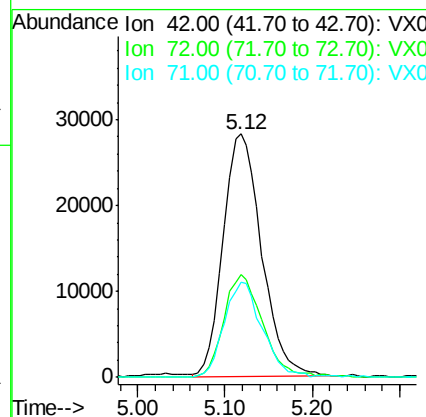
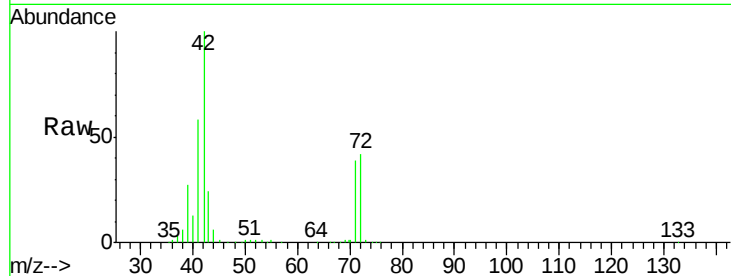
#29
Tetrahydrofuran
Concen: 73.134 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.0	51.0
71	38.8	31.5	47.3

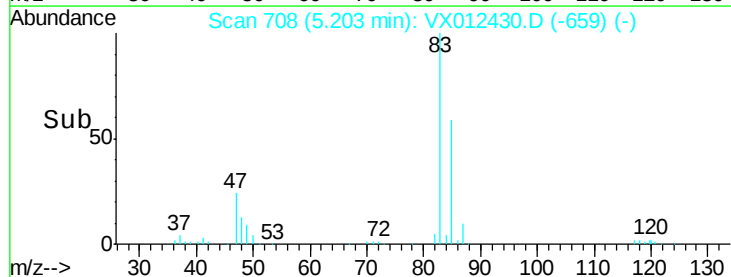
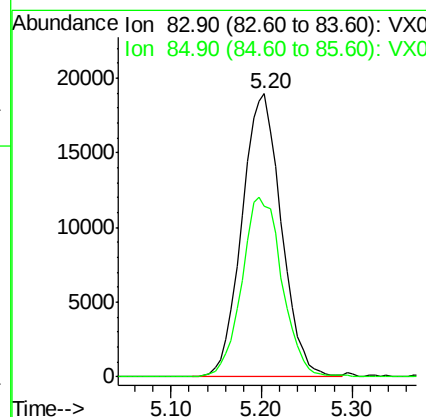
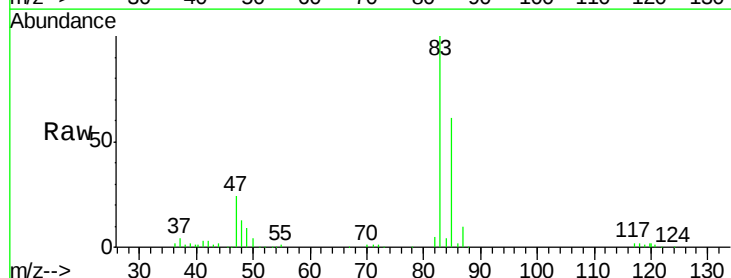
Manual Integrations
APPROVED

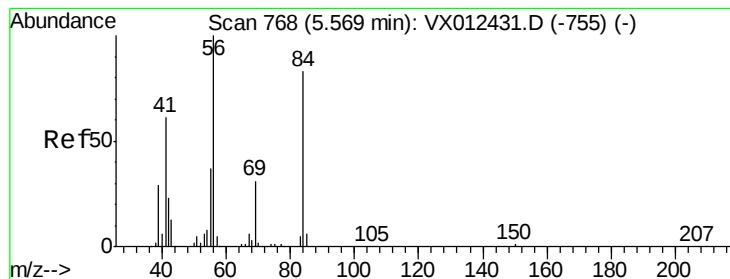
MMDadoda
9/18/2019 11:22:09 AM



#30
Chloroform
Concen: 13.859 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	53.0	79.4





#31

Cyclohexane

Concen: 14.831 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

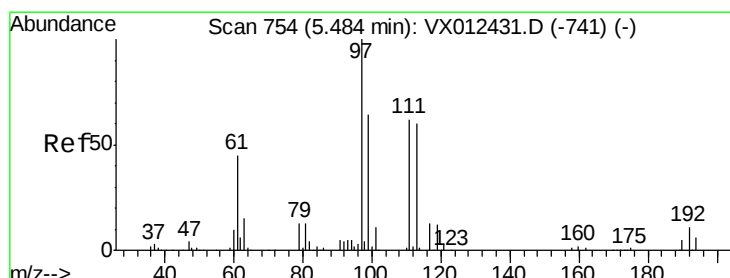
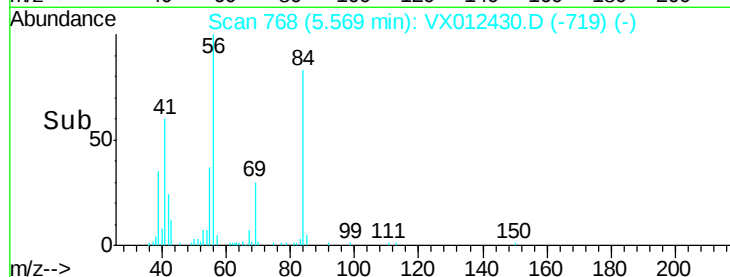
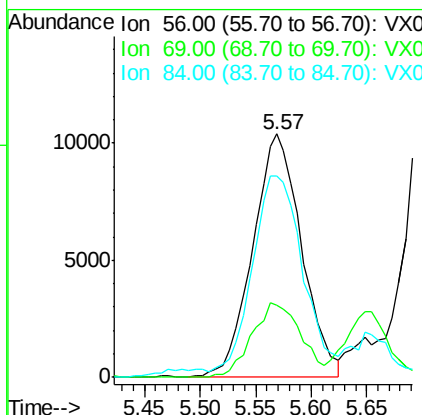
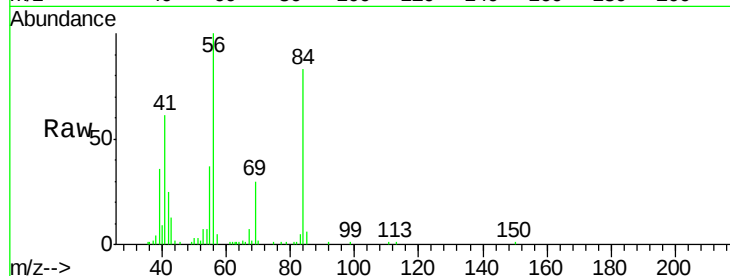
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	31769
Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.0	37.6
84	79.9	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#32

1,1,1-Trichloroethane

Concen: 14.466 ug/l

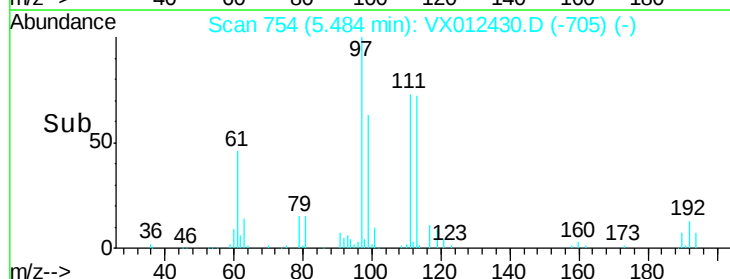
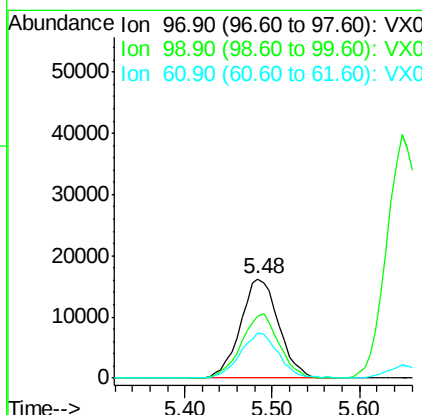
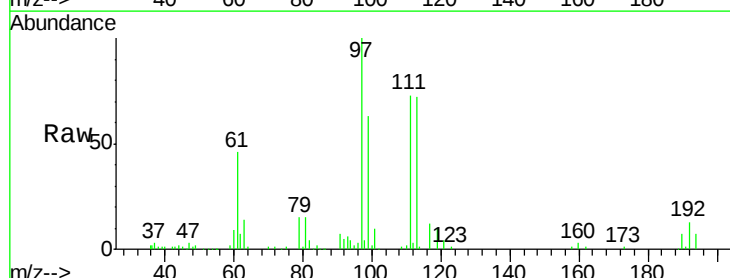
RT: 5.48 min Scan# 754

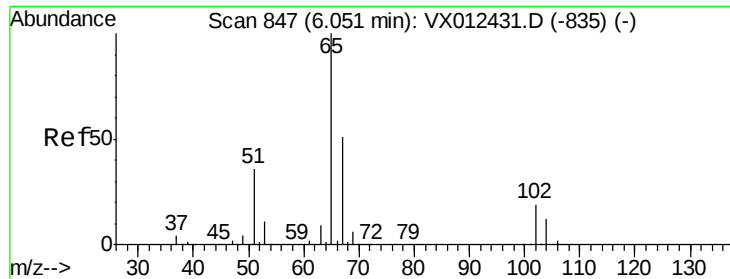
Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	97	Resp:	49330
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	45.4	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 15.652 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 48241

Ion Ratio Lower Upper

65 100

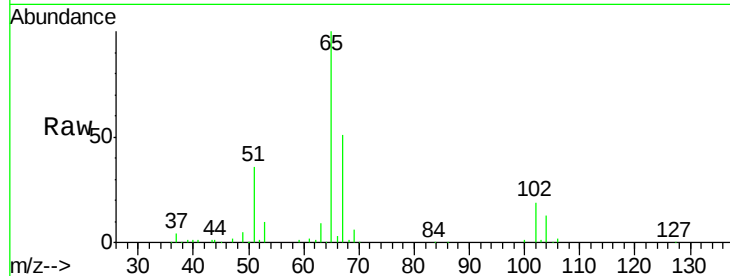
67 50.2 0.0 101.2

Manual Integrations

APPROVED

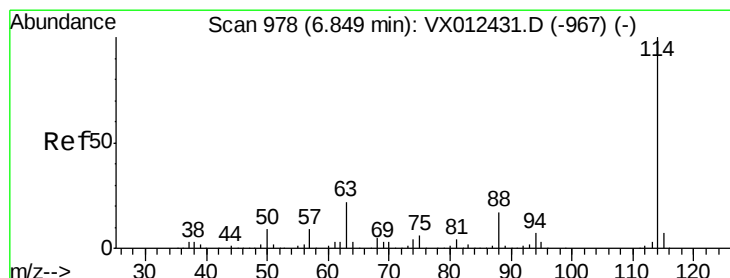
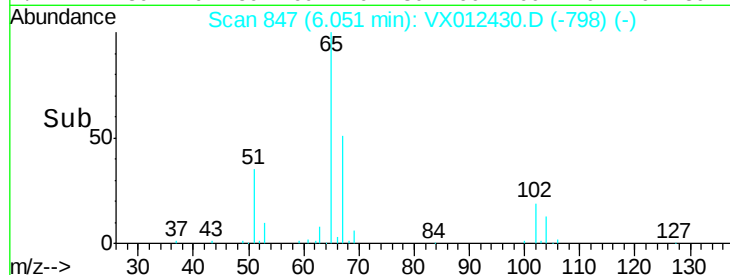
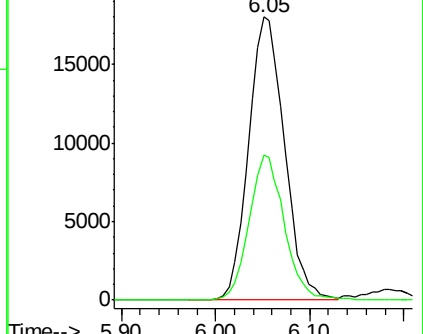
MMDadoda

9/18/2019 11:22:09 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

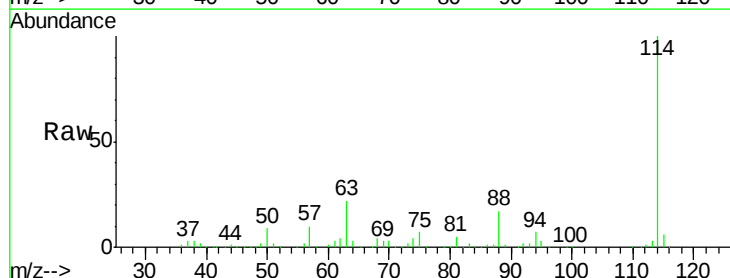
Tgt Ion: 114 Resp: 278098

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

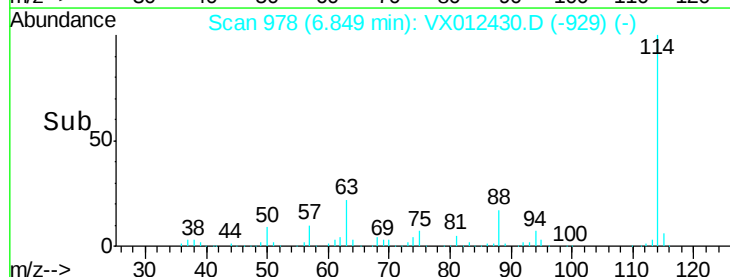
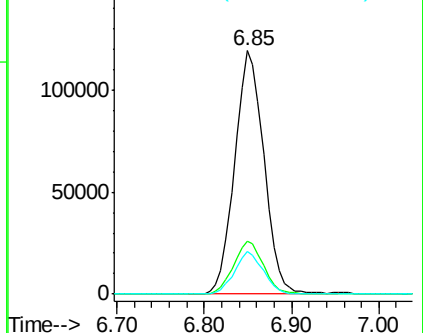
88 17.5 0.0 33.2

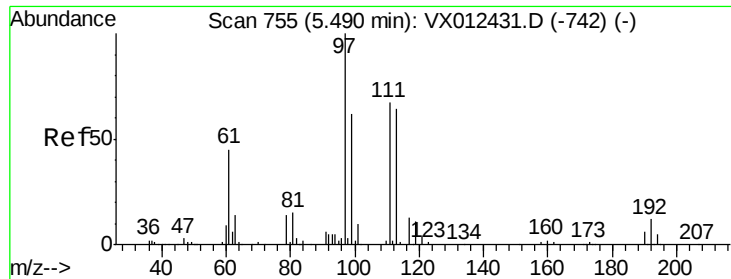


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





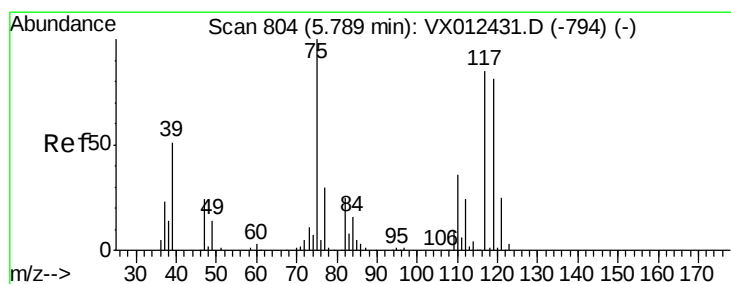
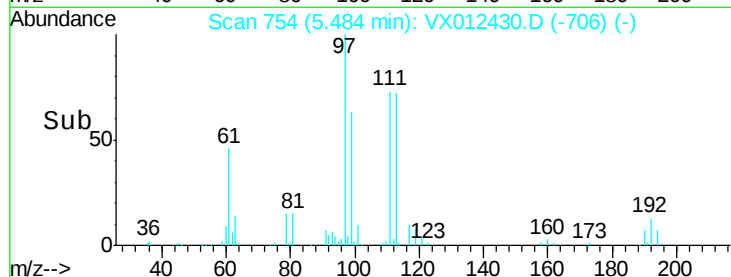
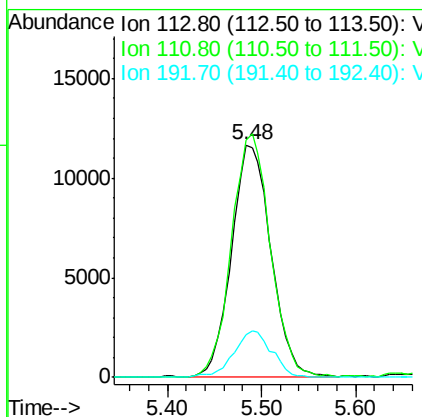
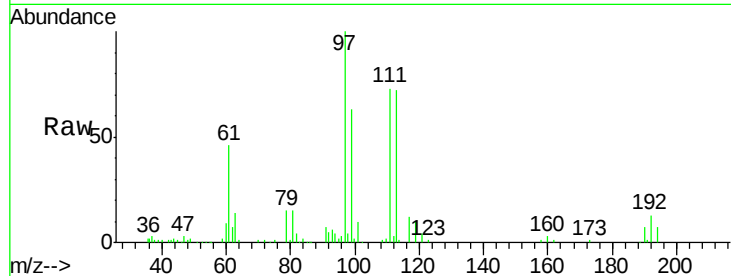
#35
Dibromofluoromethane
Concen: 13.821 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	34070		
111	103.4		83.4	125.2
192	19.4		14.4	21.6

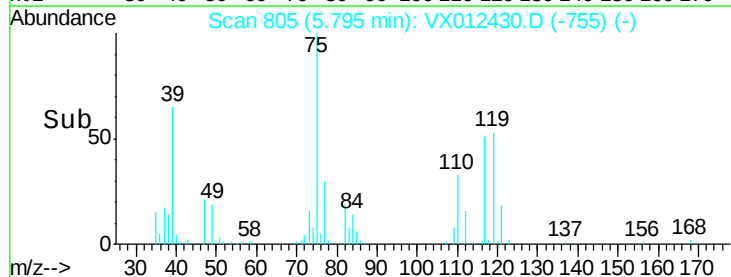
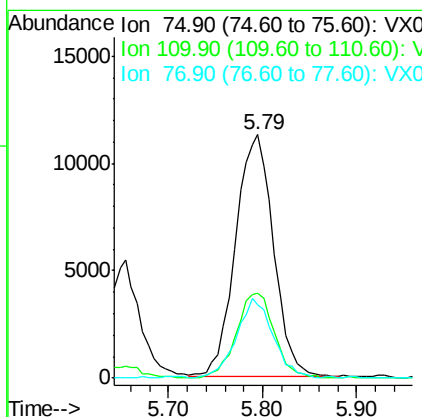
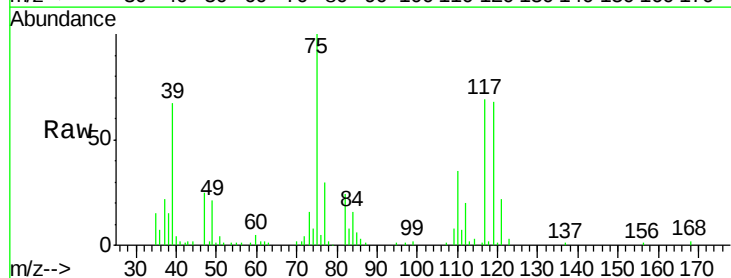
Manual Integrations
APPROVED

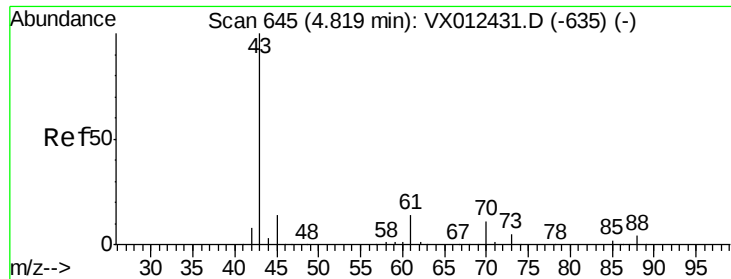
MMDadoda
9/18/2019 11:22:09 AM



#36
1,1-Dichloropropene
Concen: 13.075 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31717		
110	35.2		16.7	50.0
77	31.7		24.2	36.2





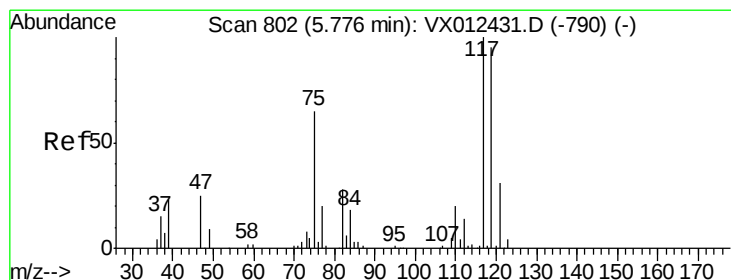
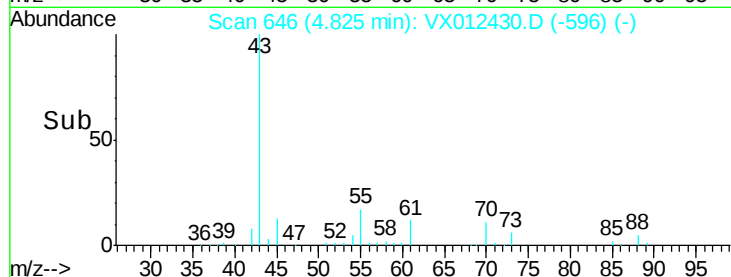
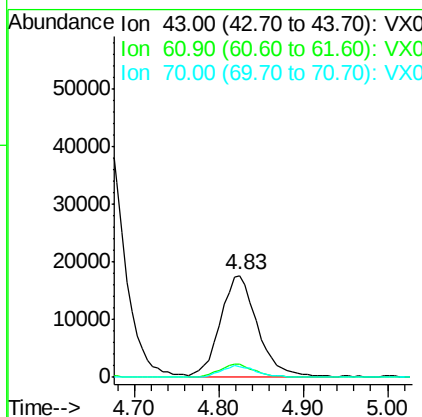
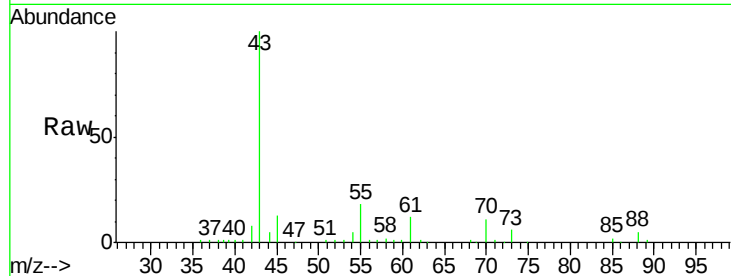
#37
Ethyl Acetate
Concen: 13.943 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.4
70	11.6	8.7	13.1

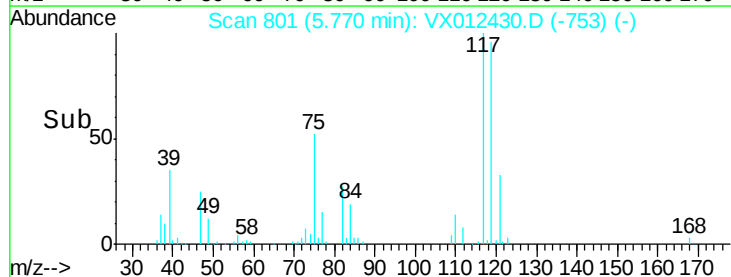
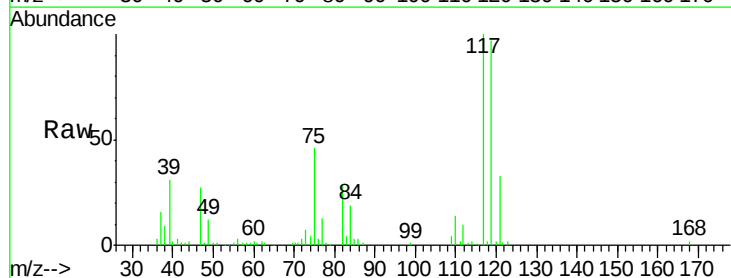
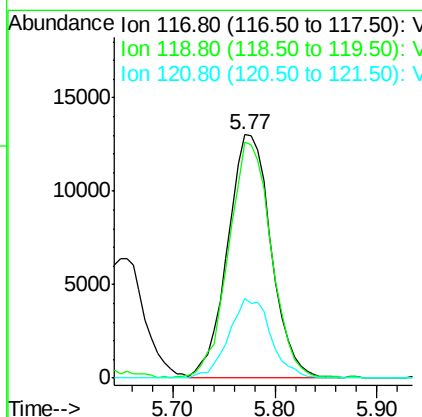
Manual Integrations
APPROVED

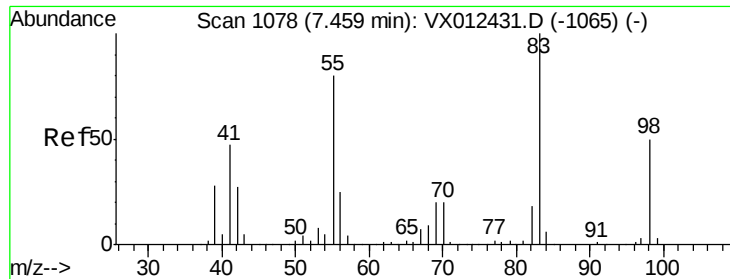
MMDadoda
9/18/2019 11:22:09 AM



#38
Carbon Tetrachloride
Concen: 13.127 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	33.0	24.2	36.4





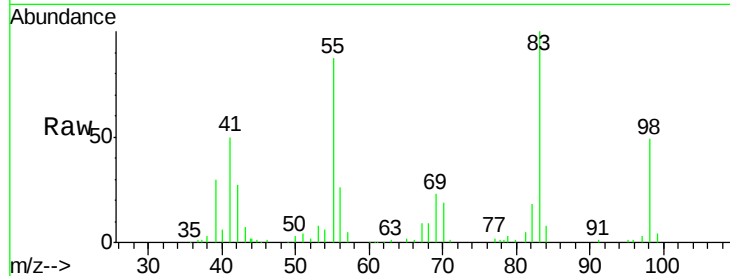
#39
Methylvlcyclohexane
Concen: 13.739 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

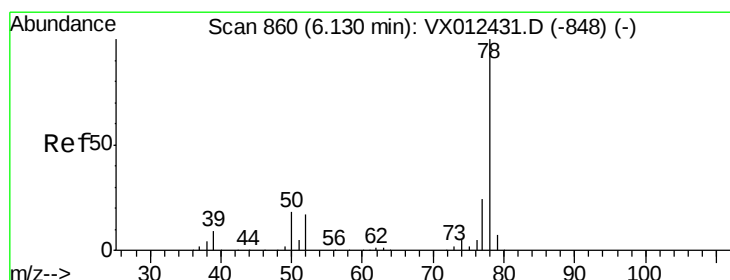
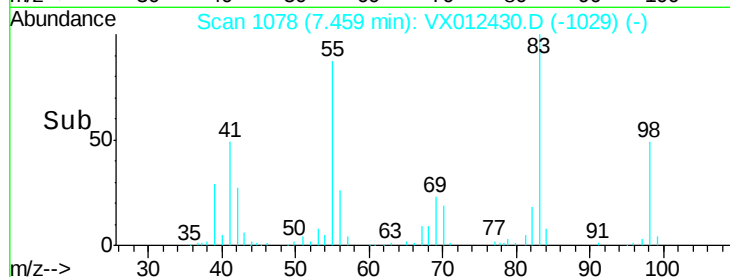
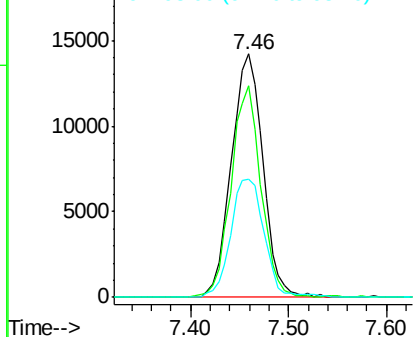
Tot Ion	83.00	Resp:	31860
Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.4	96.6
98	48.7	40.1	60.1

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM

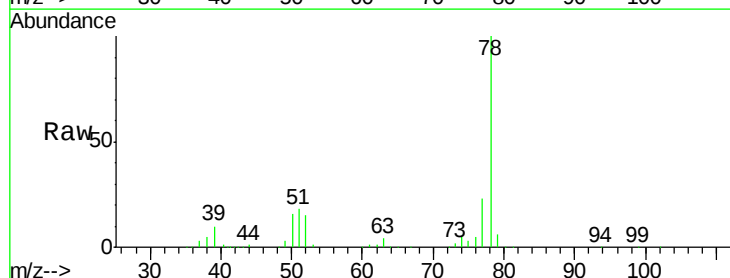


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

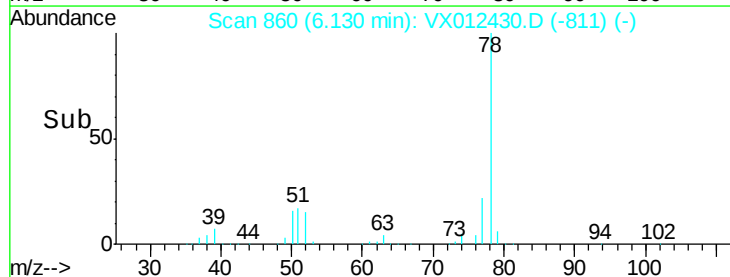
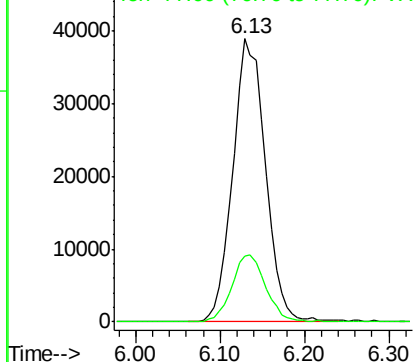


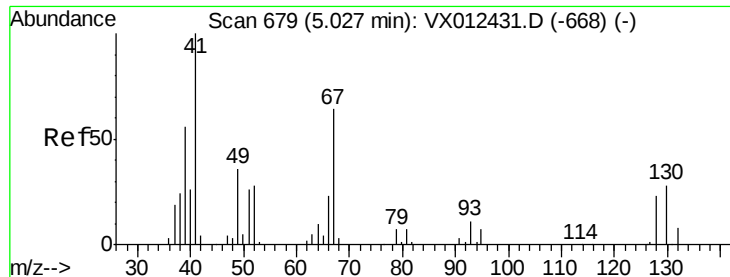
#40
Benzene
Concen: 13.733 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	78.00	Resp:	102025
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 14.512 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 30872

Ion Ratio Lower Upper

41 100

39 53.4 46.0 69.0

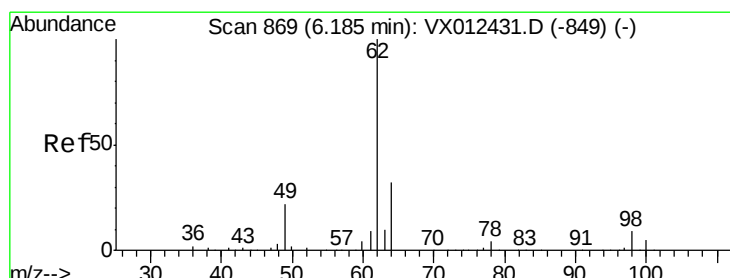
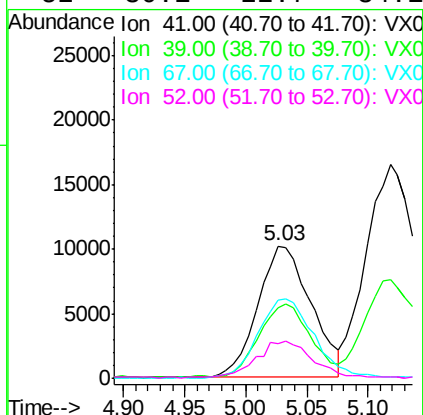
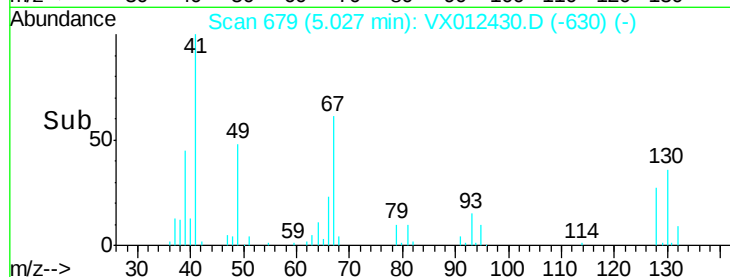
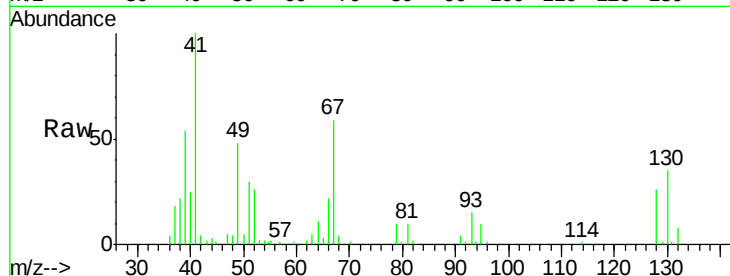
67 64.0 52.2 78.2

52 30.1 22.7 34.1

Manual Integrations
APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#42

1,2-Dichloroethane

Concen: 13.606 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012430.D

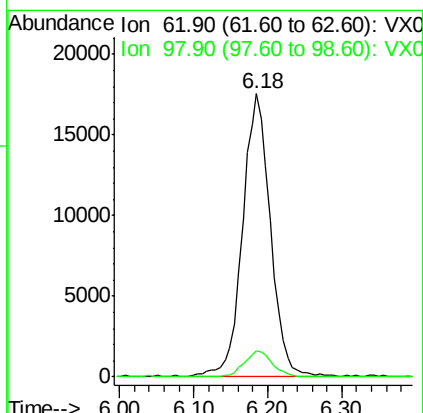
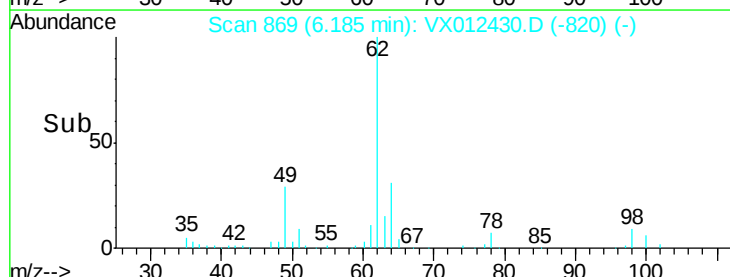
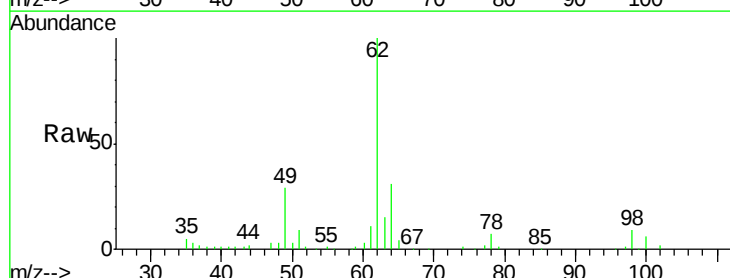
Acq: 17 Sep 2019 12:46

Tgt Ion: 62 Resp: 46165

Ion Ratio Lower Upper

62 100

98 9.2 0.0 17.8





#43

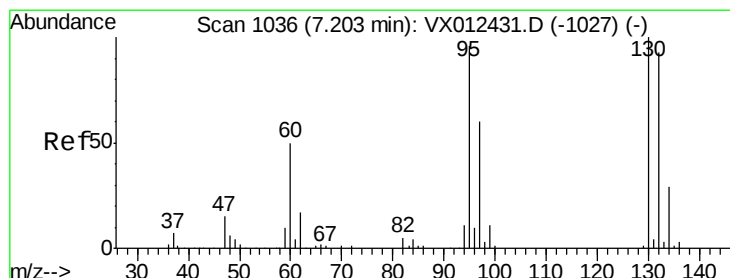
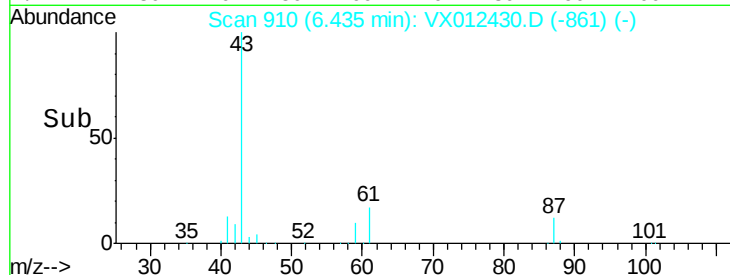
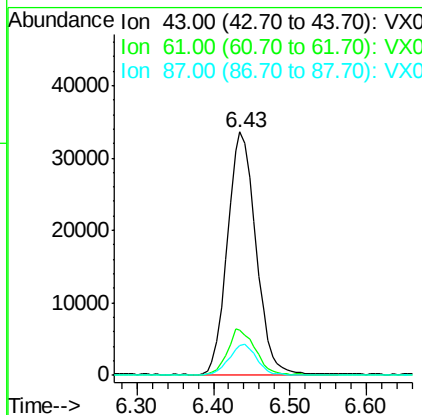
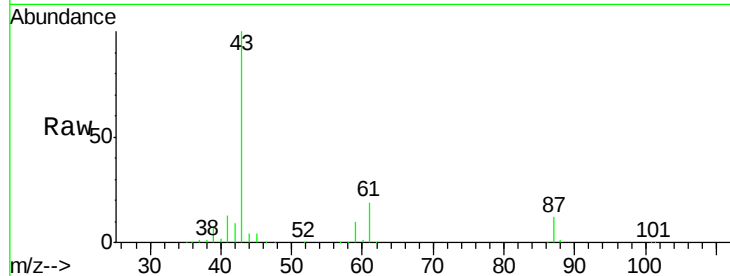
Isopropyl Acetate
 Concen: 13.470 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.4	23.0
87	12.4	9.8	14.8

Manual Integrations
 APPROVED

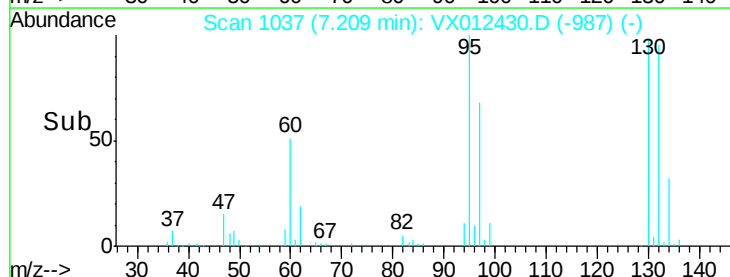
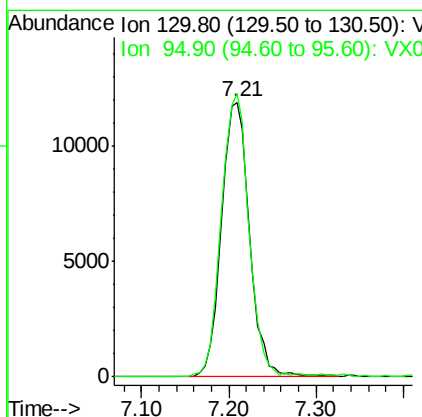
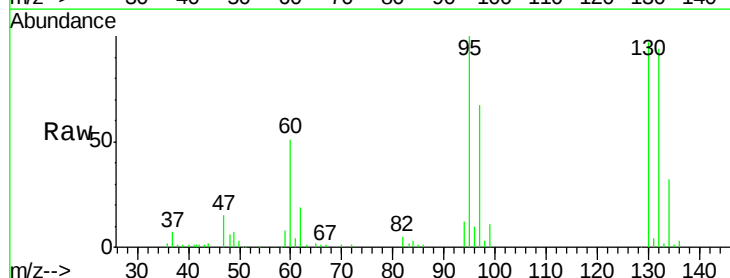
MMDadoda
 9/18/2019 11:22:09 AM

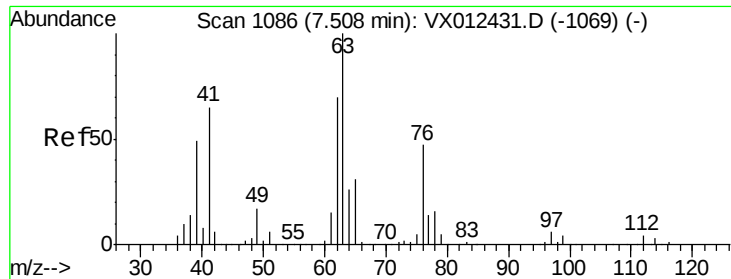


#44

Trichloroethene
 Concen: 13.296 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	193.0





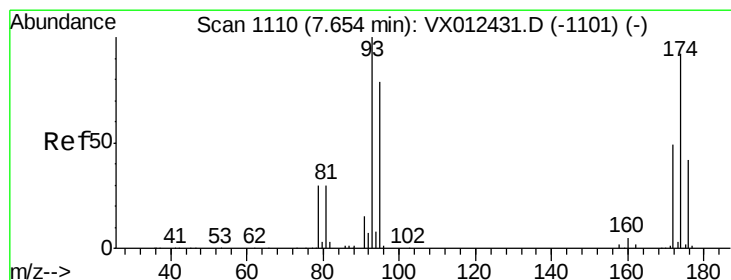
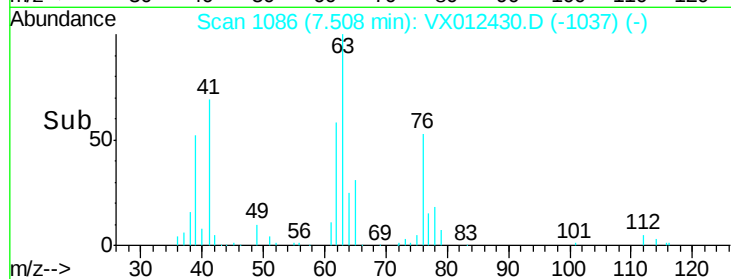
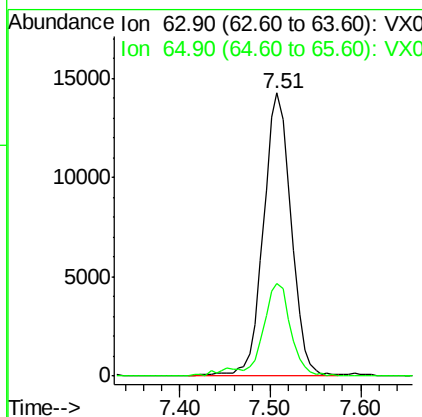
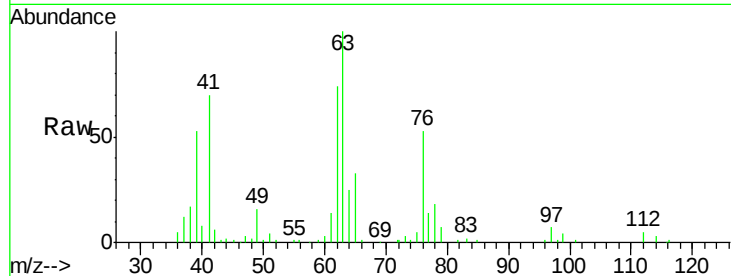
#45
 1,2-Dichloropropane
 Concen: 13.209 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 30190
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.0 37.6

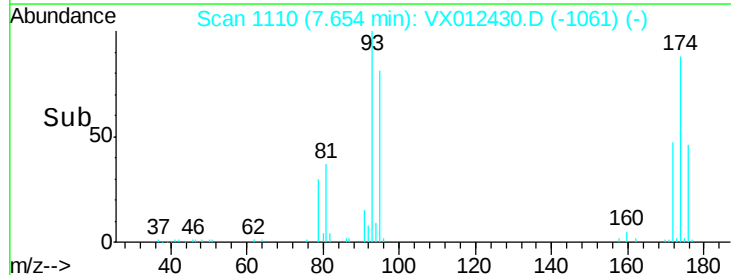
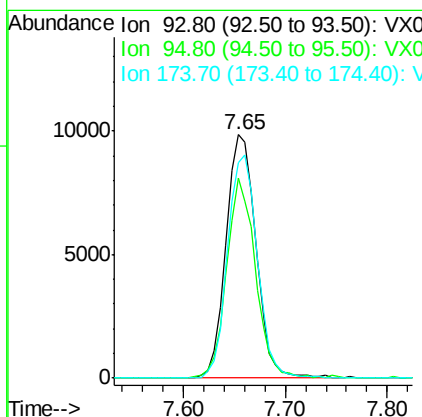
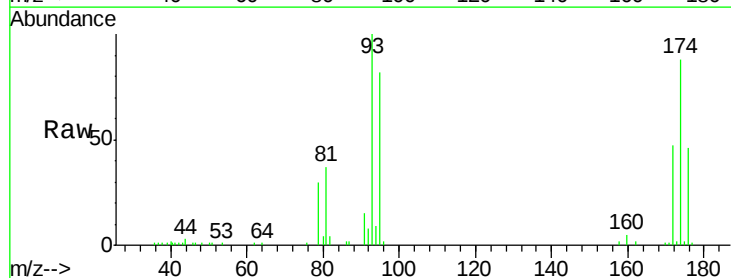
Manual Integrations
 APPROVED

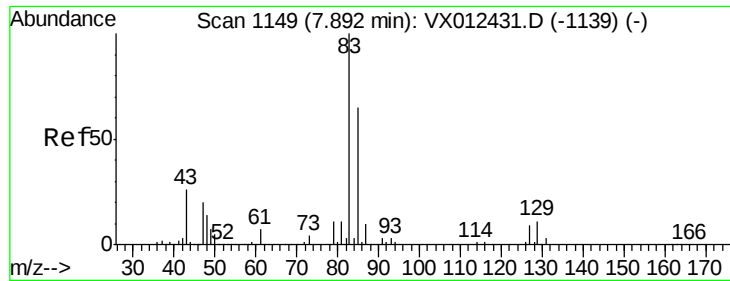
MMDadoda
 9/18/2019 11:22:09 AM



#46
 Dibromomethane
 Concen: 13.197 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion: 93 Resp: 20029
 Ion Ratio Lower Upper
 93 100
 95 78.7 66.6 100.0
 174 91.0 77.4 116.0





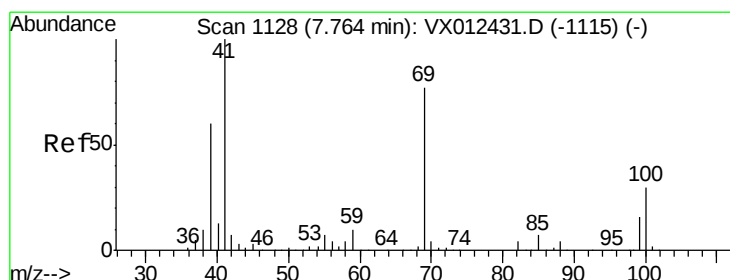
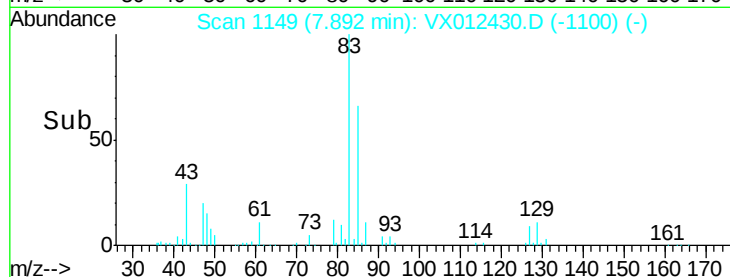
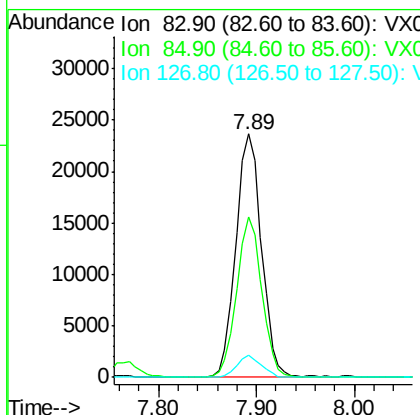
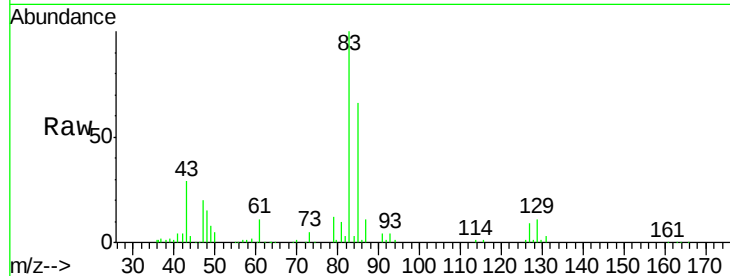
#47
 Bromodichloromethane
 Concen: 12.790 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	43225
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.8	77.6
127	9.1	7.3	10.9

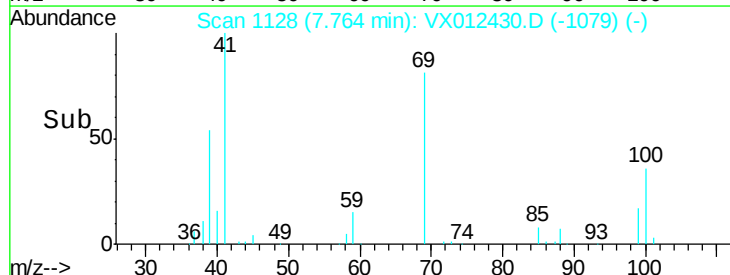
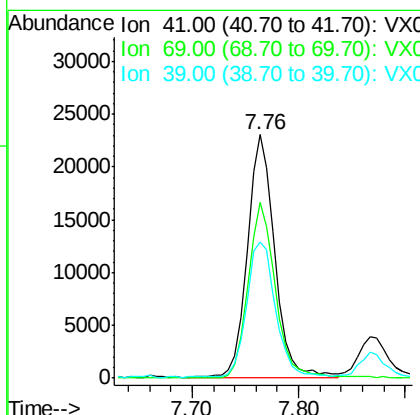
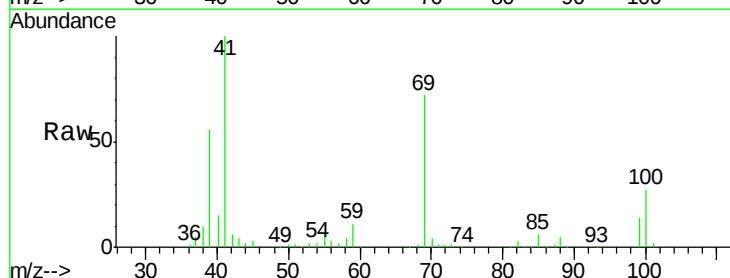
Manual Integrations
 APPROVED

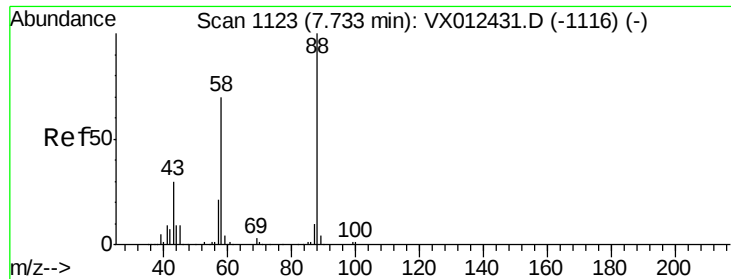
MMDadoda
 9/18/2019 11:22:09 AM



#48
 Methyl methacrylate
 Concen: 14.456 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	41	Resp	41223
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	59.9	89.9
39	58.9	47.8	71.6





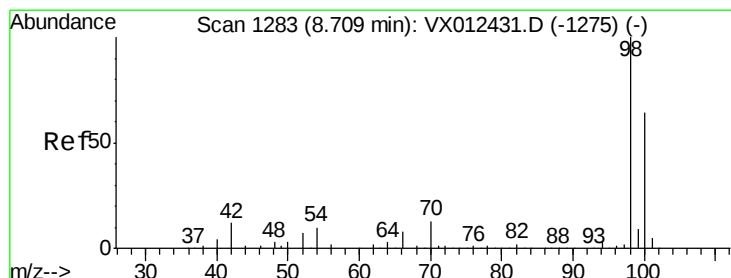
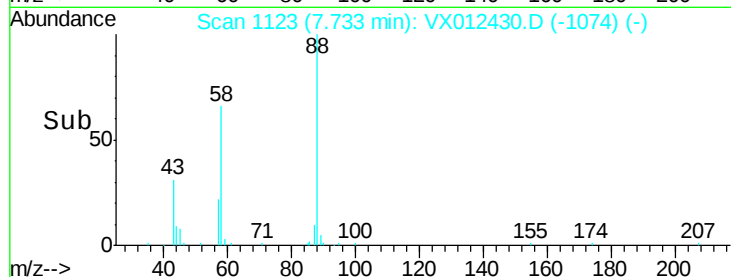
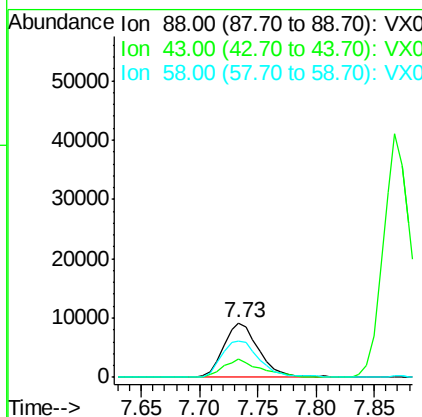
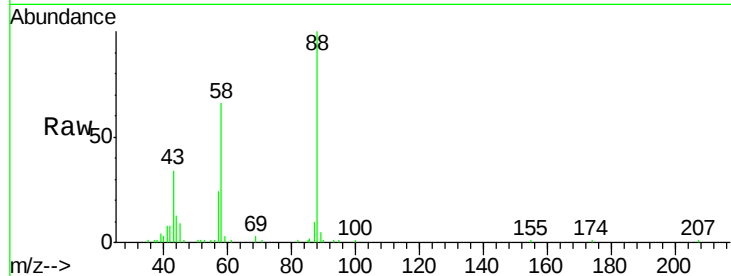
#49
1,4-Dioxane
Concen: 264.380 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.4	44.0
58	72.3	57.5	86.3

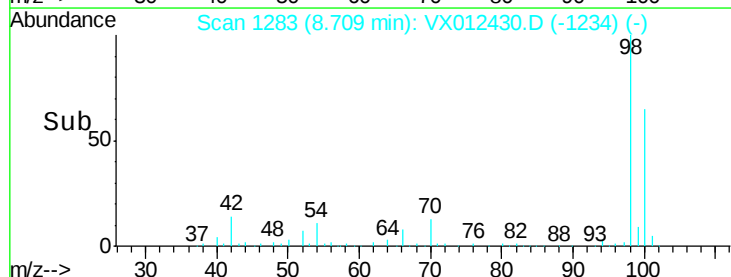
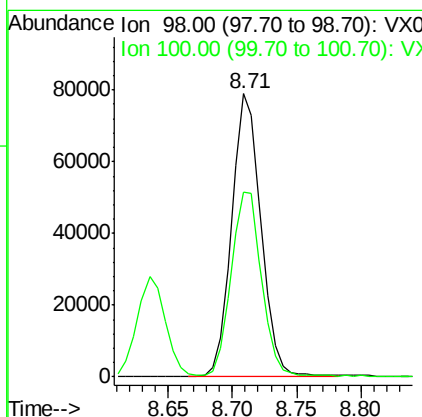
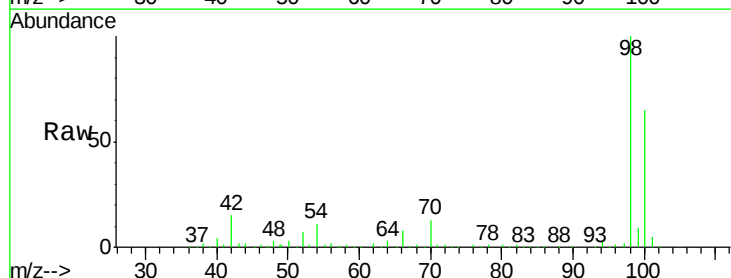
Manual Integrations
APPROVED

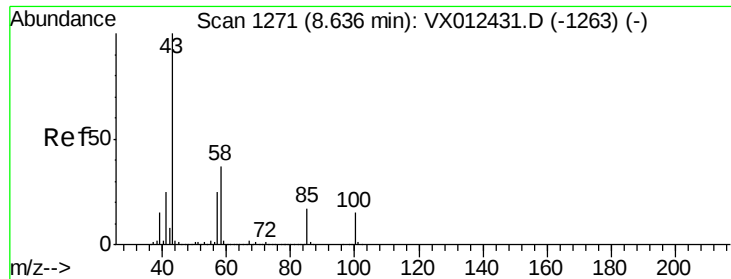
MMDadoda
9/18/2019 11:22:09 AM



#50
Toluene-d8
Concen: 14.383 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 69.606 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 289211

Ion Ratio Lower Upper

43 100

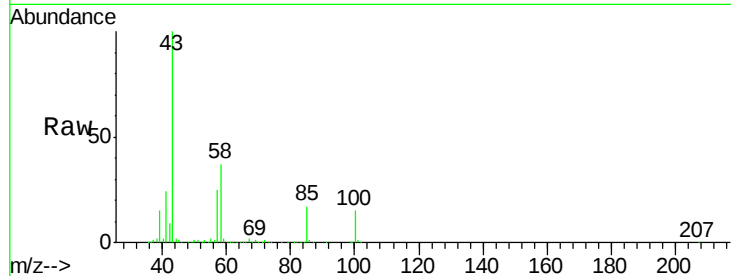
58 36.5 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

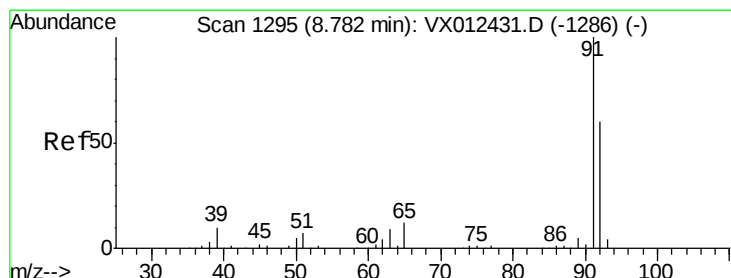
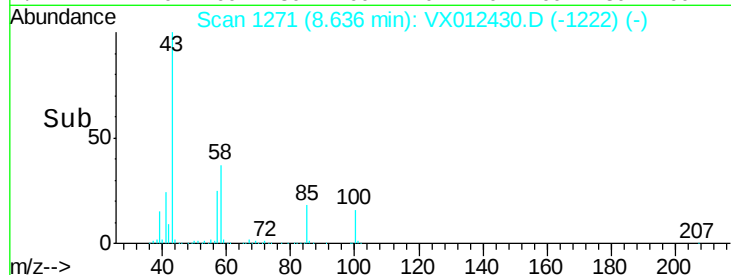
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 13.760 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012430.D

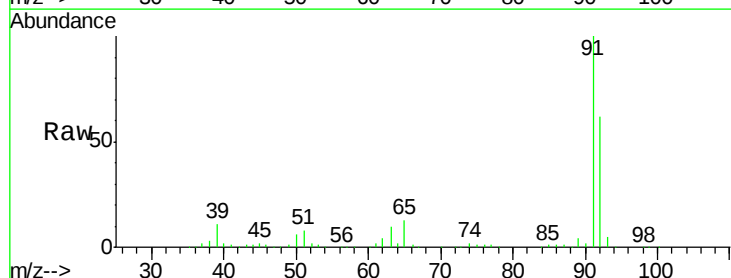
Acq: 17 Sep 2019 12:46

Tgt Ion: 92 Resp: 66449

Ion Ratio Lower Upper

92 100

91 164.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

80000

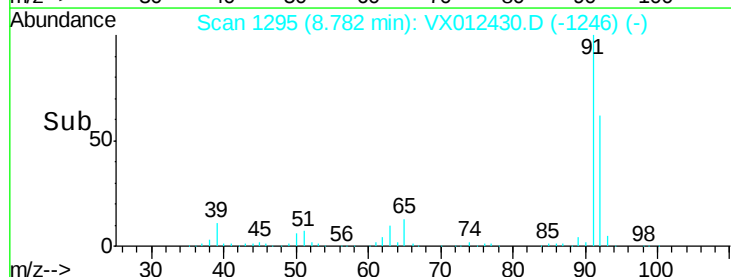
60000

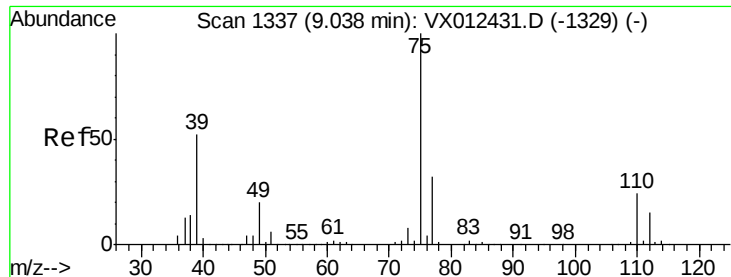
40000

20000

0

Time-->





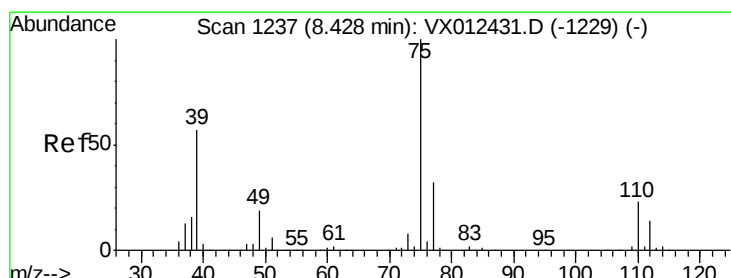
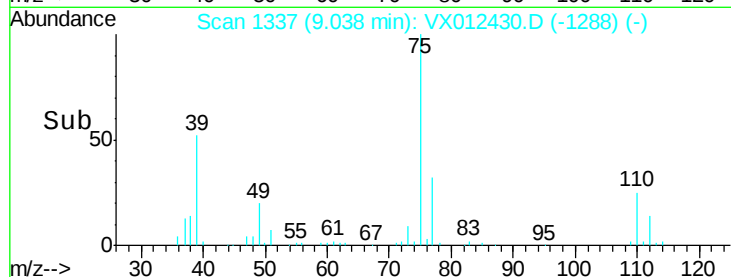
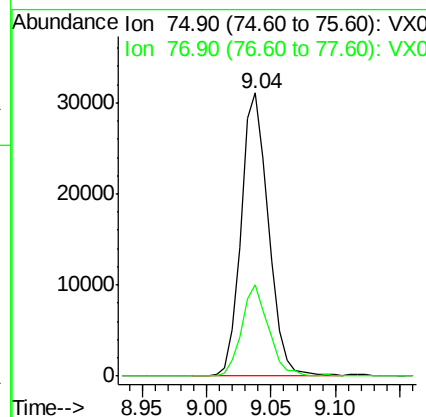
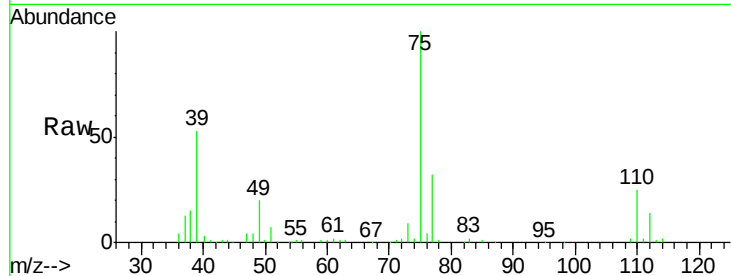
#53
t-1,3-Dichloropropene
Concen: 13.024 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 45672
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

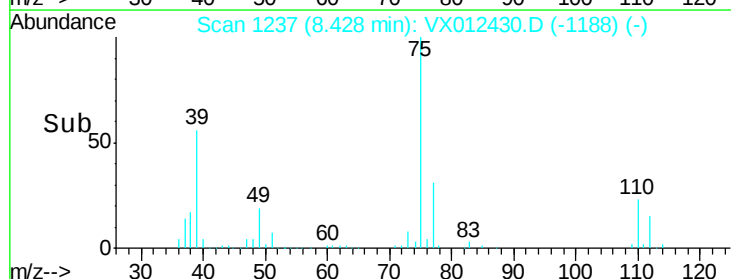
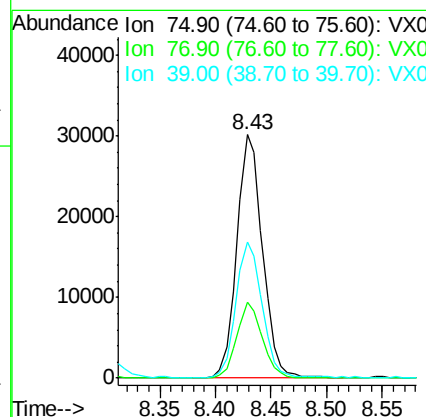
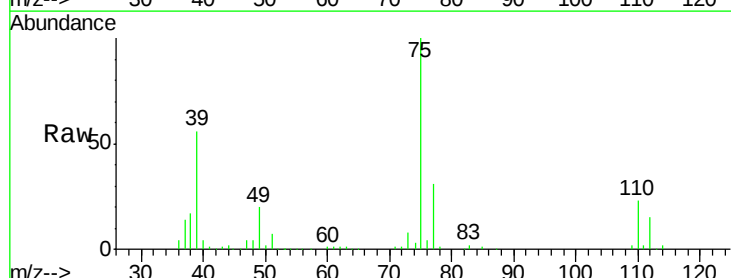
Manual Integrations
APPROVED

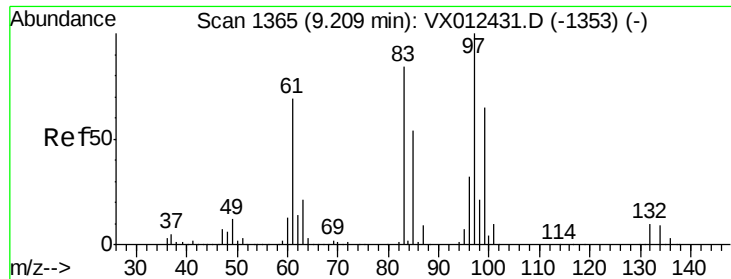
MMDadoda
9/18/2019 11:22:09 AM



#54
cis-1,3-Dichloropropene
Concen: 13.305 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion: 75 Resp: 48294
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 55.4 45.5 68.3





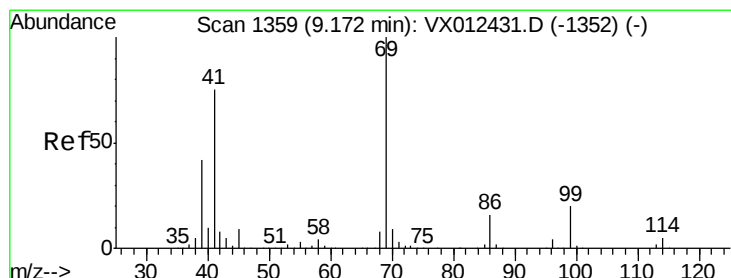
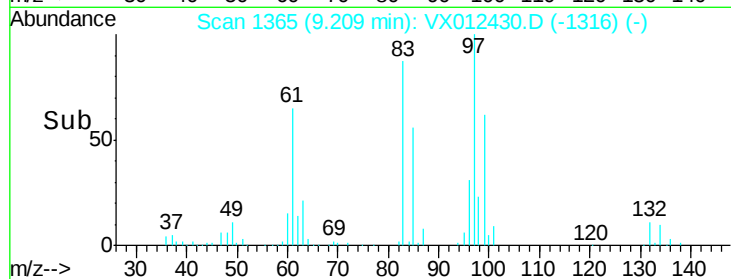
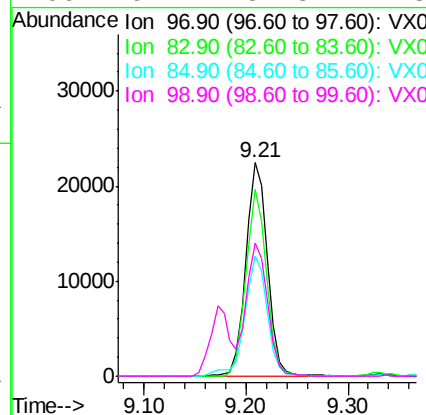
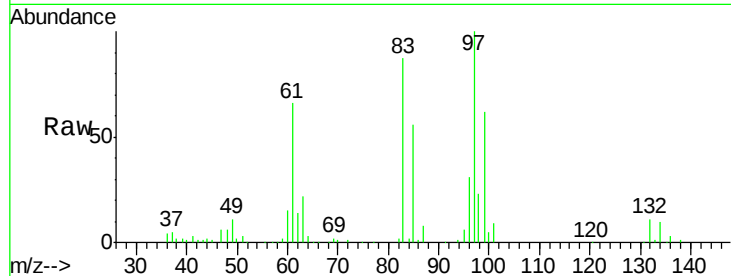
#55
 1,1,2-Trichloroethane
 Concen: 12.830 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	32790
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.4	101.2
85	56.4	43.5	65.3
99	62.2	51.8	77.8

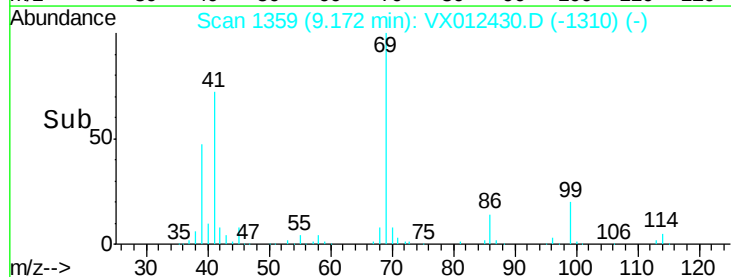
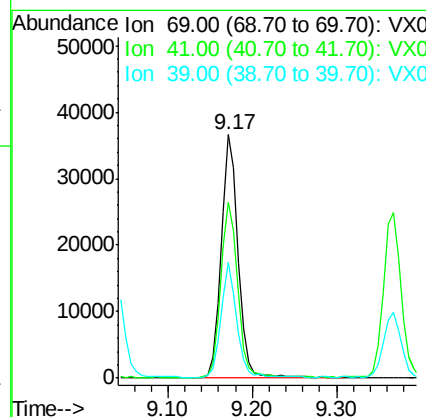
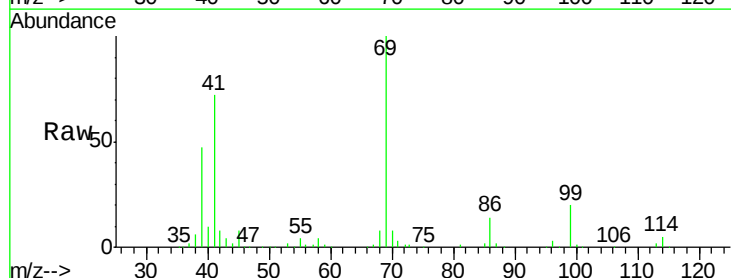
Manual Integrations
 APPROVED

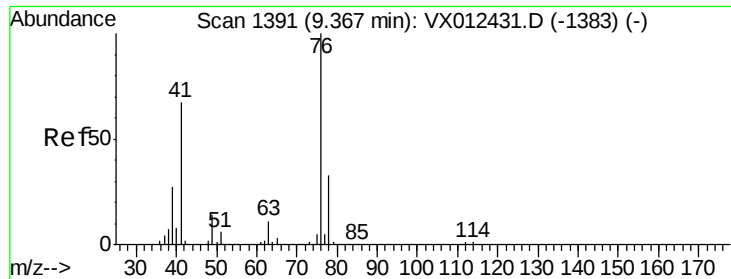
MMDadoda
 9/18/2019 11:22:09 AM



#56
 Ethyl methacrylate
 Concen: 13.344 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion:	69	Resp:	51249
Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.4	87.6
39	43.4	33.4	50.0





#57

1,3-Dichloropropane

Concen: 13.043 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 52762

Ion Ratio Lower Upper

76 100

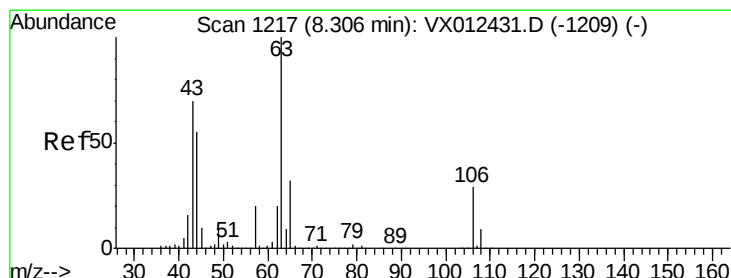
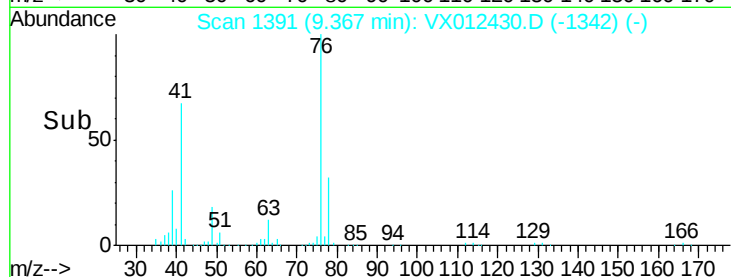
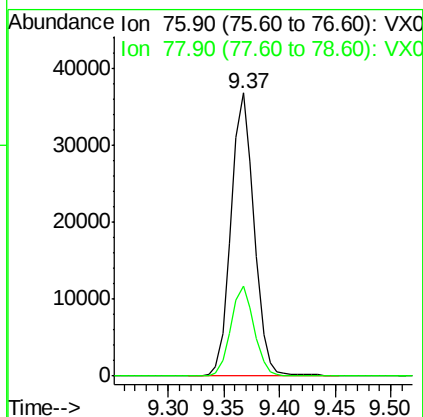
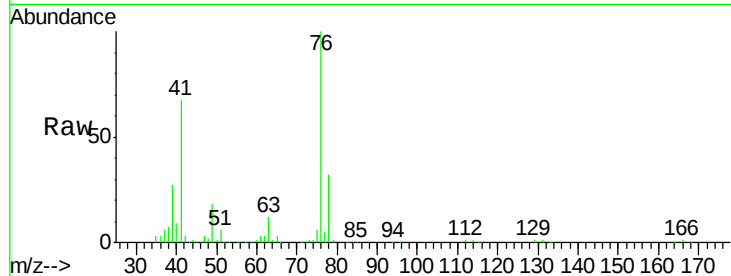
78 32.2 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 68.795 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012430.D

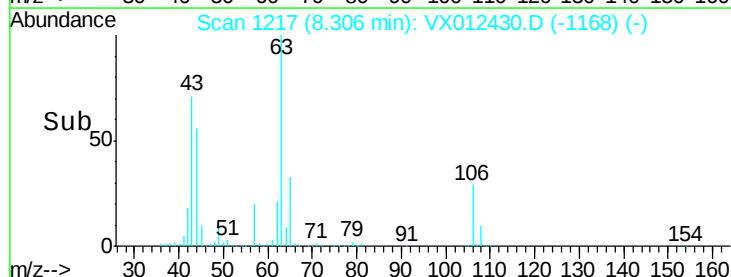
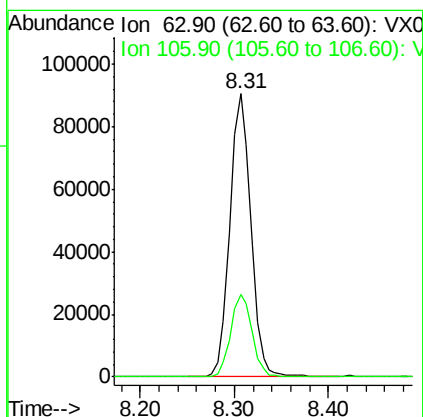
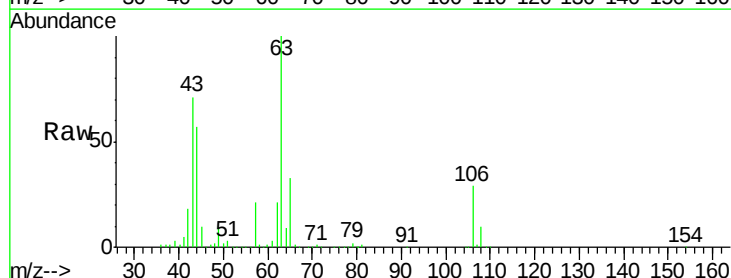
Acq: 17 Sep 2019 12:46

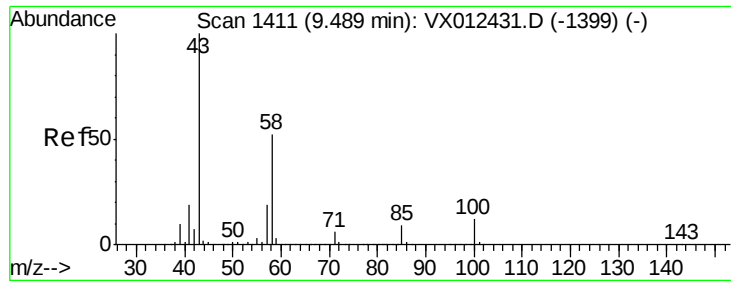
Tgt Ion: 63 Resp: 140835

Ion Ratio Lower Upper

63 100

106 29.5 23.8 35.6





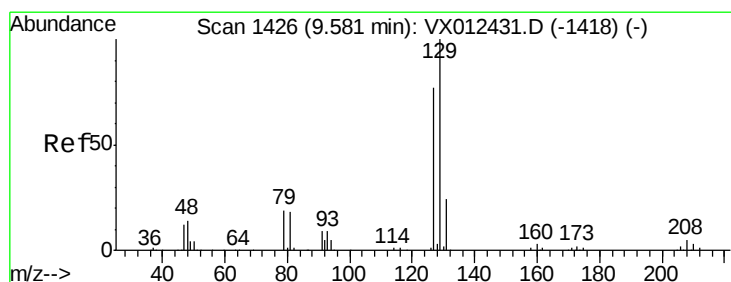
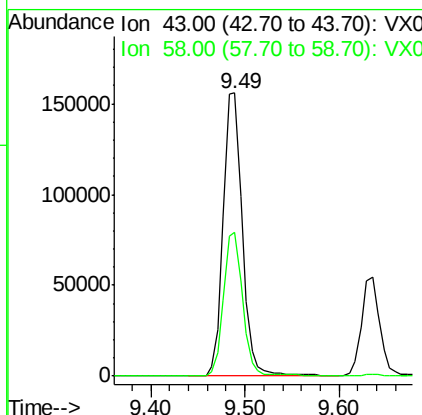
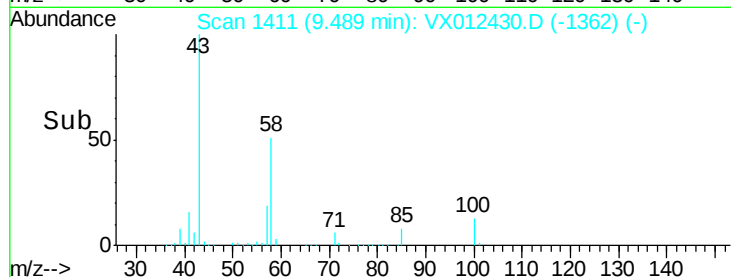
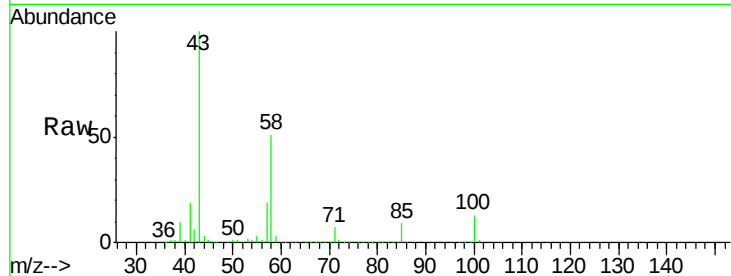
#59
2-Hexanone
Concen: 68.717 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 220720
Ion Ratio Lower Upper
43 100
58 50.9 25.7 77.1

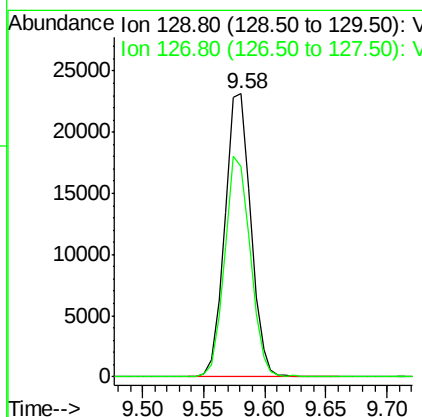
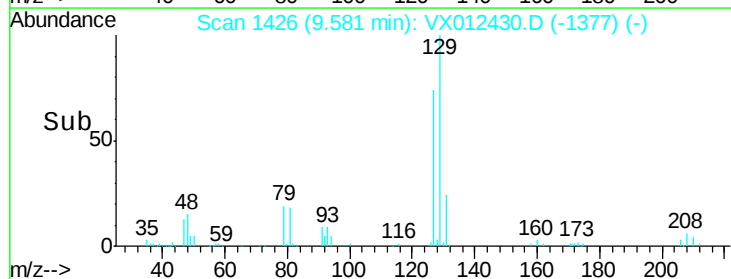
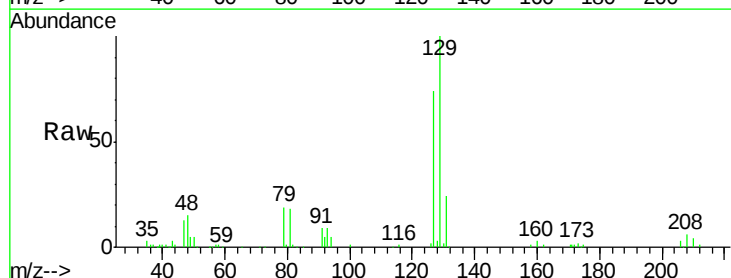
Manual Integrations
APPROVED

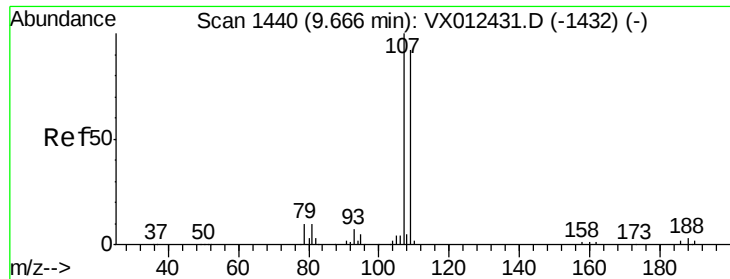
MMDadoda
9/18/2019 11:22:09 AM



#60
Dibromochloromethane
Concen: 12.994 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion: 129 Resp: 33912
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 13.477 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 31581

Ion Ratio Lower Upper

107 100

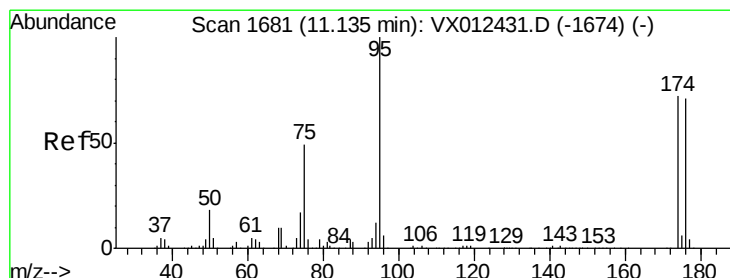
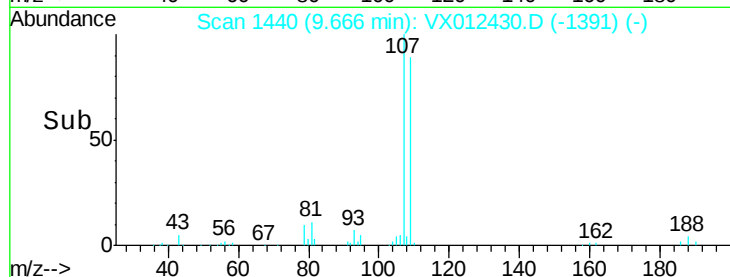
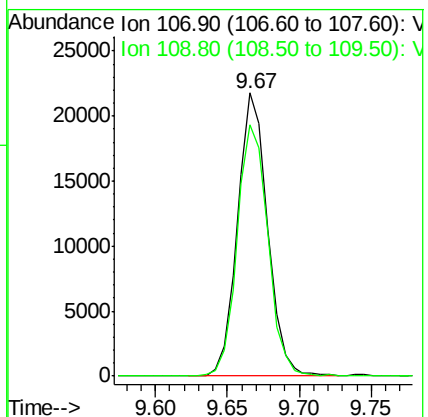
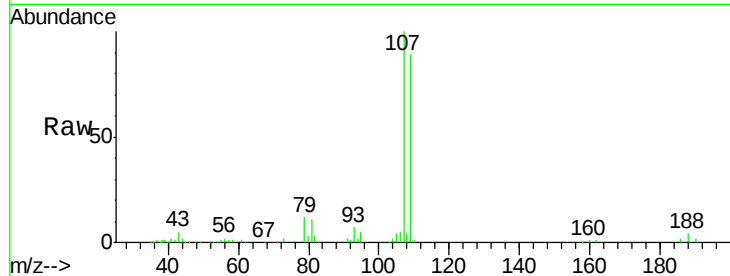
109 90.6 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#62

4-Bromofluorobenzene

Concen: 13.814 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

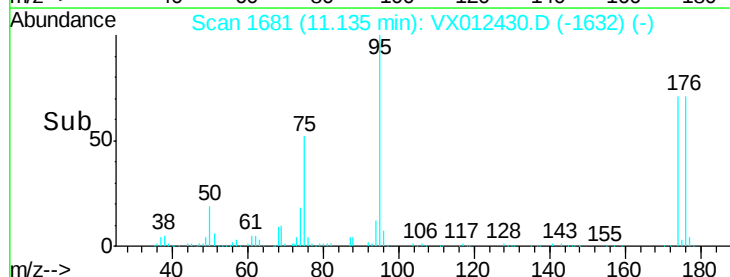
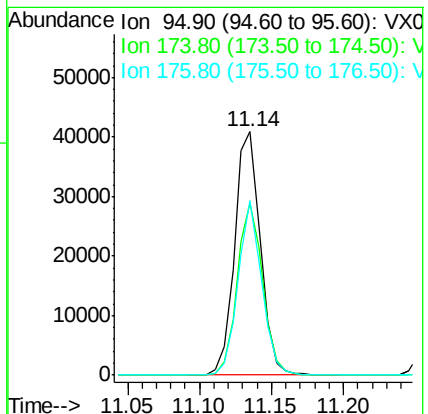
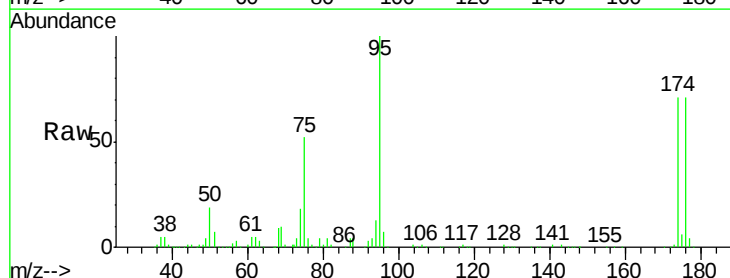
Tgt Ion: 95 Resp: 51146

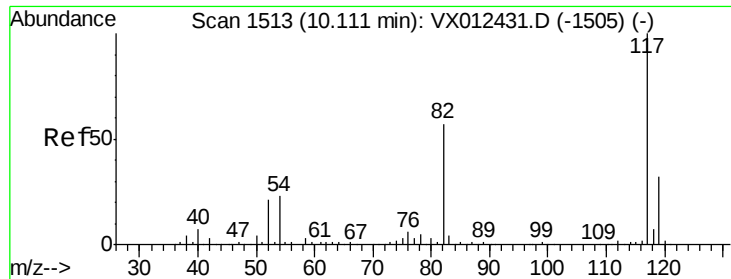
Ion Ratio Lower Upper

95 100

174 69.7 0.0 140.0

176 65.7 0.0 135.4





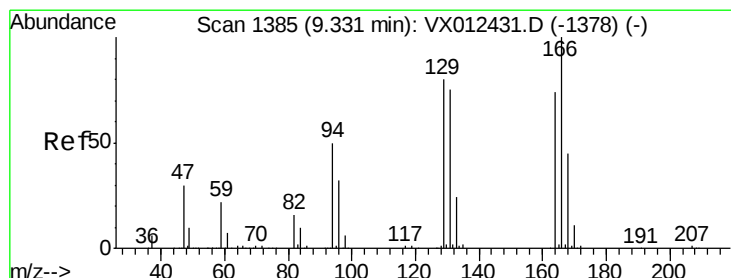
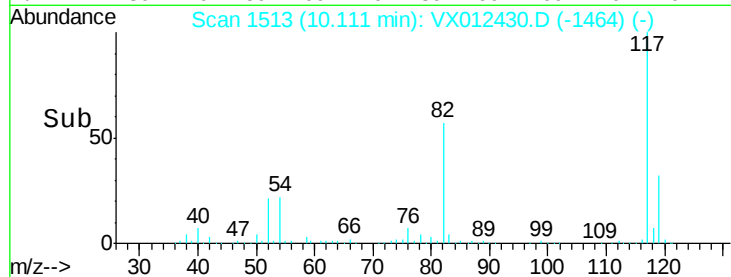
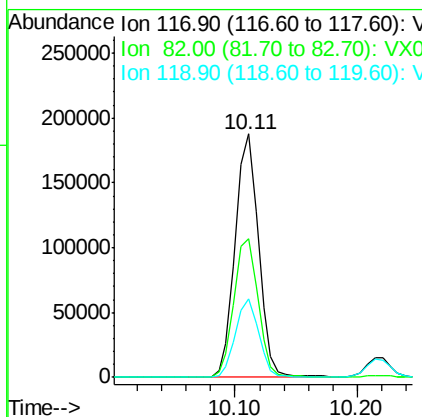
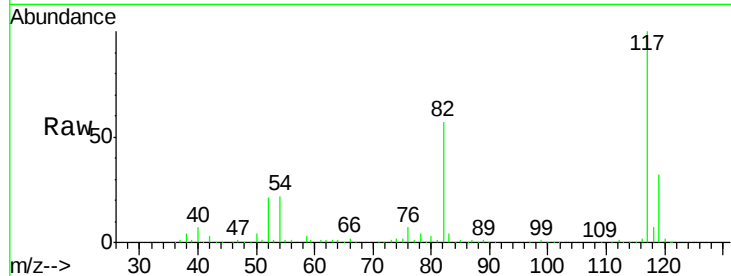
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.9	68.9
119	32.1	25.3	37.9

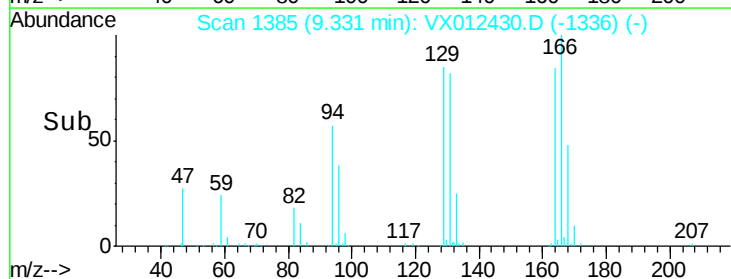
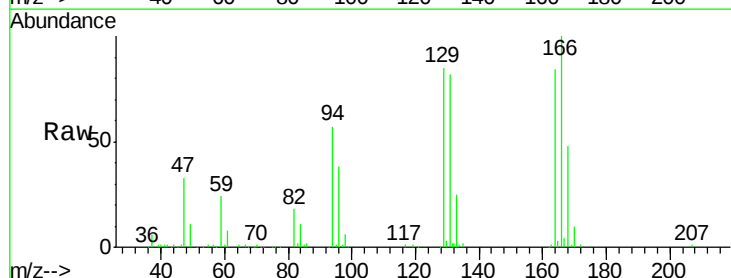
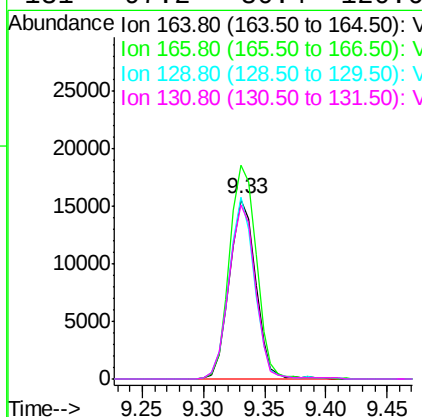
Manual Integrations
APPROVED

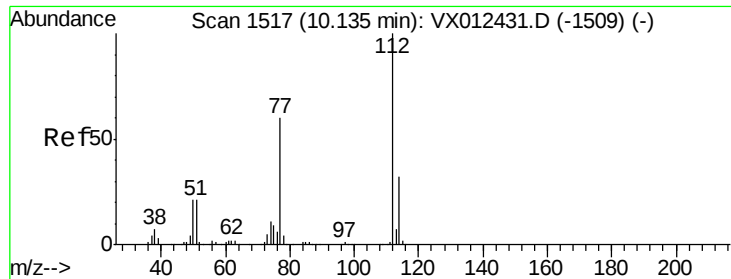
MMDadoda
9/18/2019 11:22:09 AM



#64
Tetrachloroethene
Concen: 14.786 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	107.8	161.6
129	101.5	86.2	129.2
131	97.2	80.4	120.6





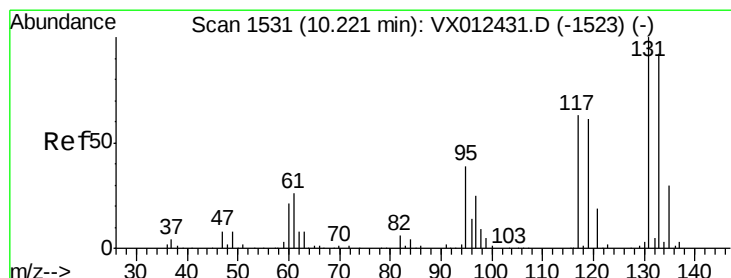
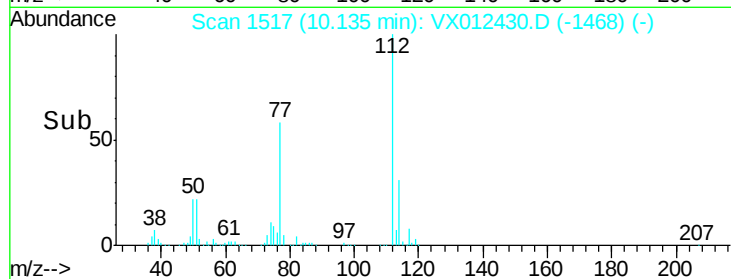
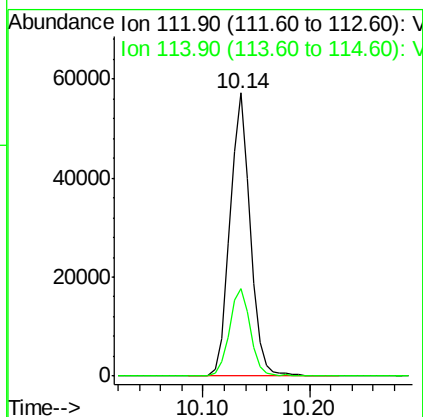
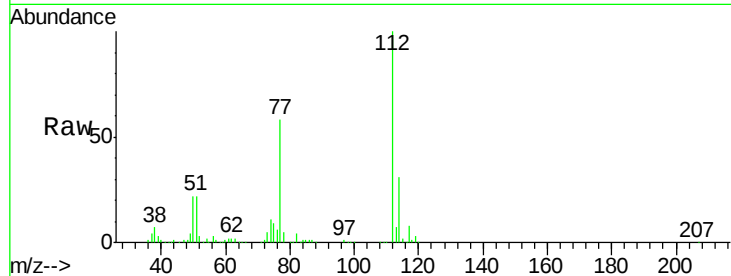
#65
Chlorobenzene
Concen: 13.986 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 76591
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.0

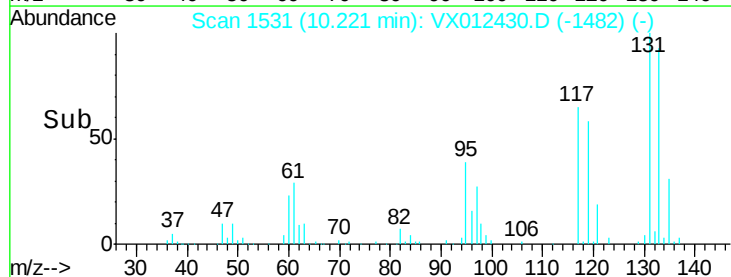
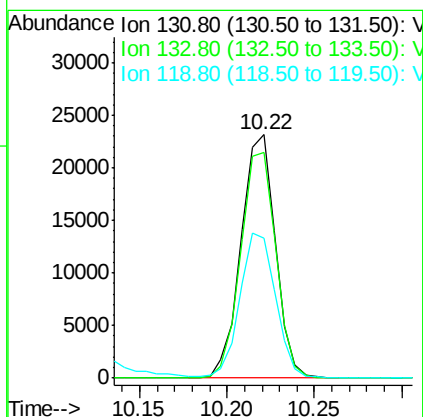
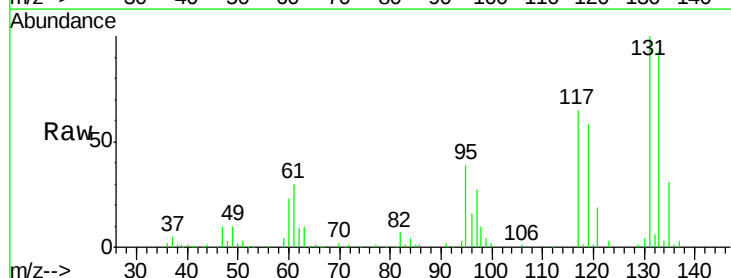
Manual Integrations
APPROVED

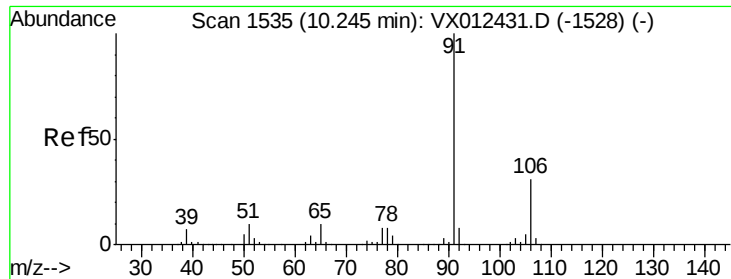
MMDadoda
9/18/2019 11:22:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 13.726 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion:131 Resp: 31864
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 62.2 31.3 93.8





#67

Ethyl Benzene

Concen: 14.221 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 133296

Ion Ratio Lower Upper

91 100

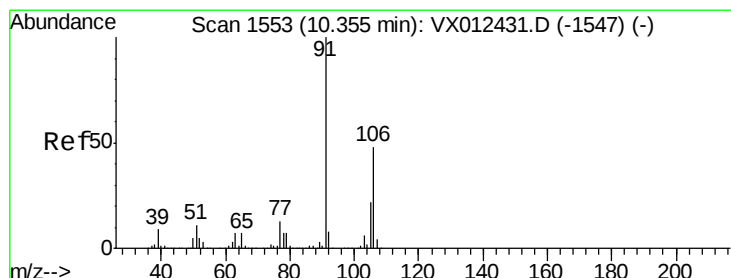
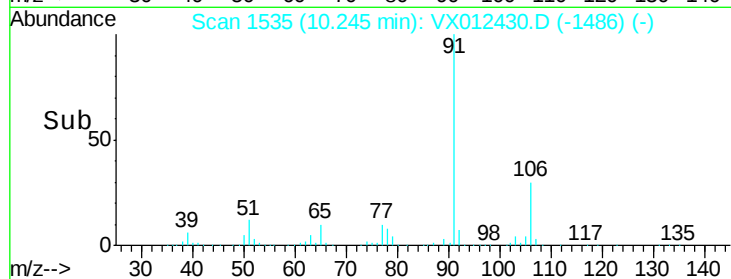
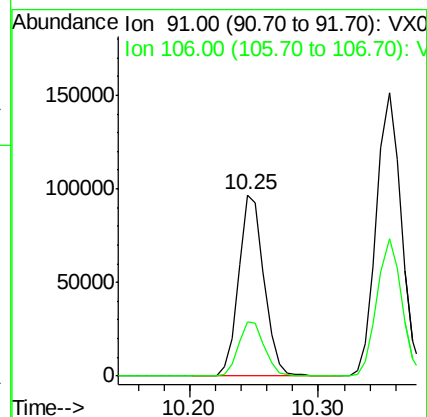
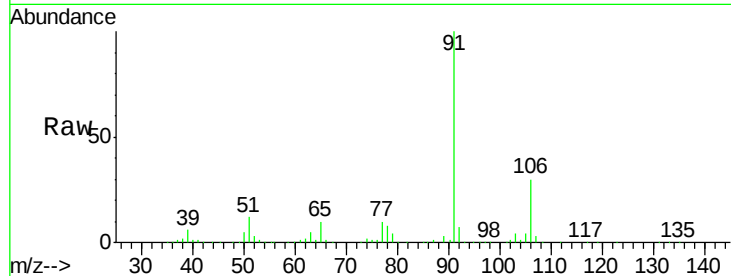
106 30.0 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#68

m/p-Xylenes

Concen: 28.352 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012430.D

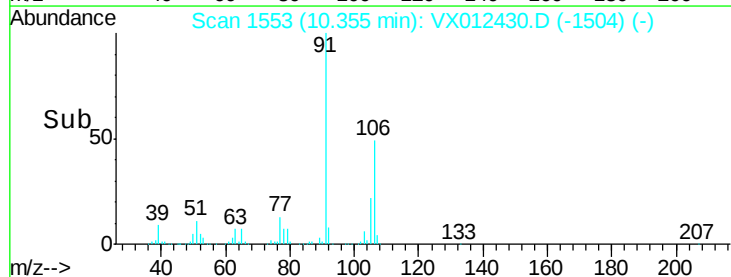
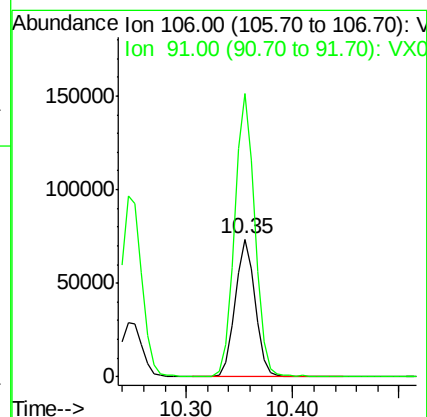
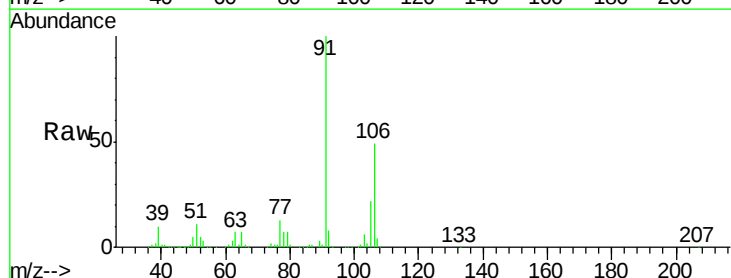
Acq: 17 Sep 2019 12:46

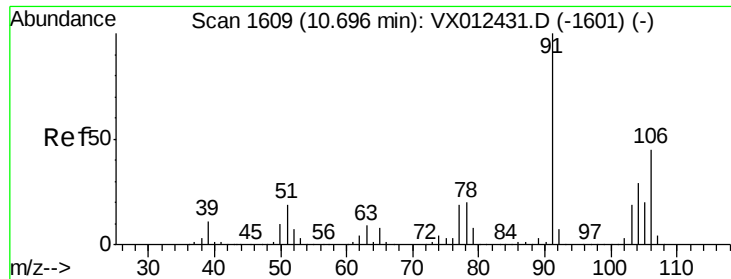
Tgt Ion: 106 Resp: 97908

Ion Ratio Lower Upper

106 100

91 206.1 166.6 250.0





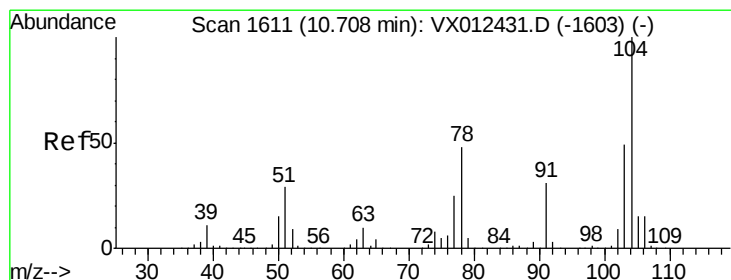
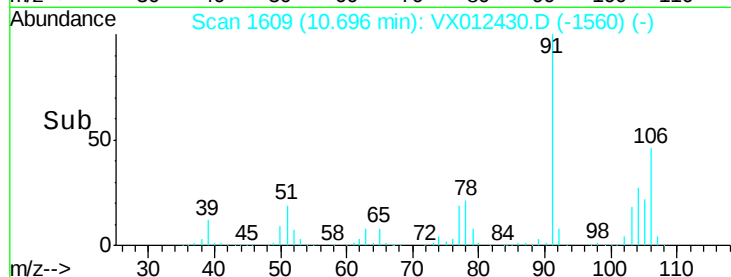
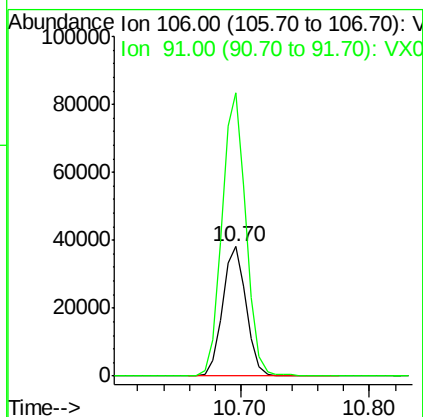
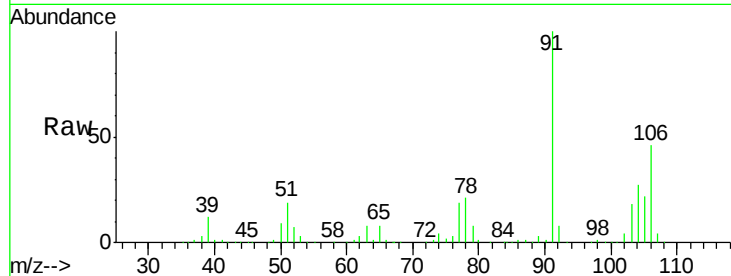
#69
o-Xylene
Concen: 13.859 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 49658
Ion Ratio Lower Upper
106 100
91 219.5 109.4 328.2

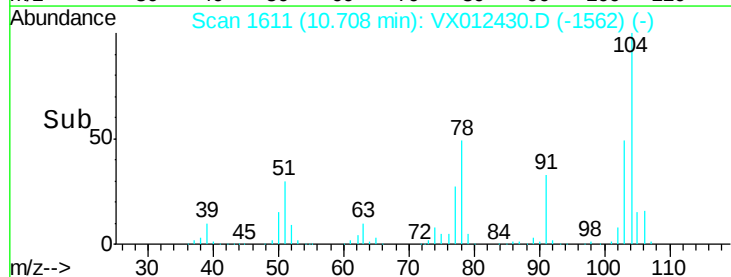
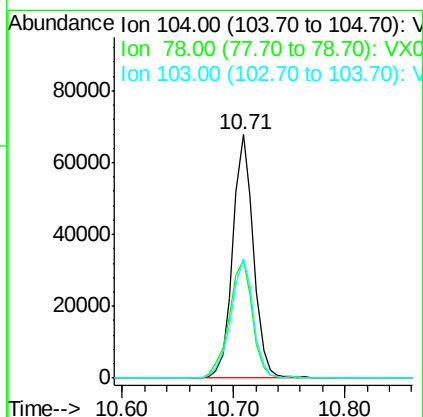
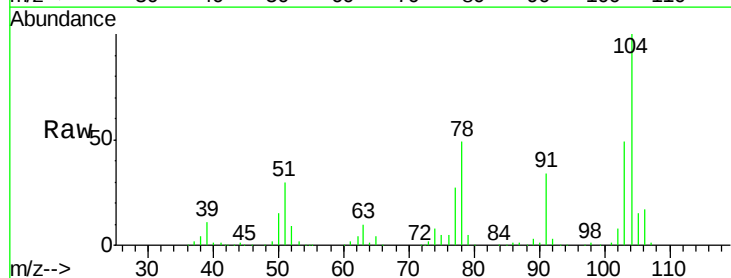
Manual Integrations
APPROVED

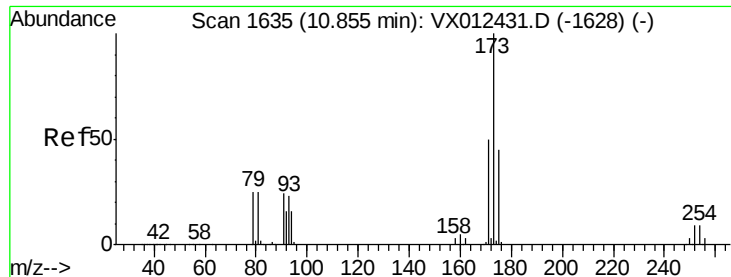
MMDadoda
9/18/2019 11:22:09 AM



#70
Styrene
Concen: 14.021 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion:104 Resp: 87067
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.2
103 53.7 43.3 64.9





#71

Bromoform

Concen: 12.553 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 22356

Ion Ratio Lower Upper

173 100

175 49.0 23.7 71.1

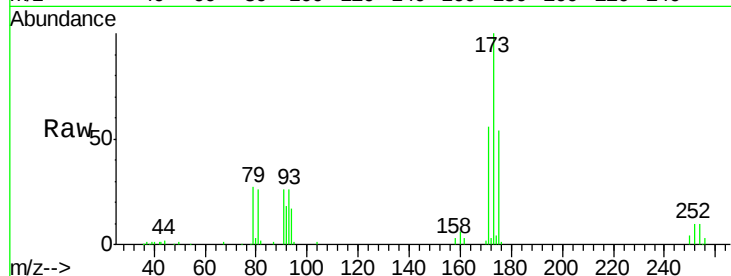
254 0.1 0.1 0.1

Manual Integrations

APPROVED

MMDadoda

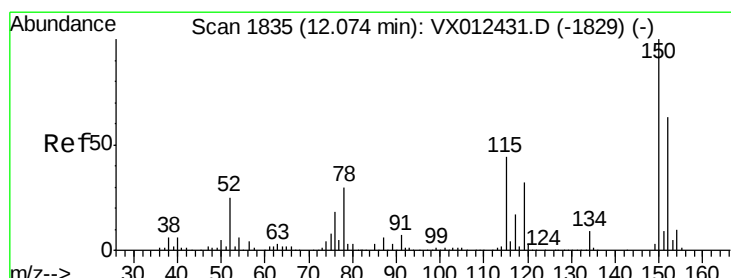
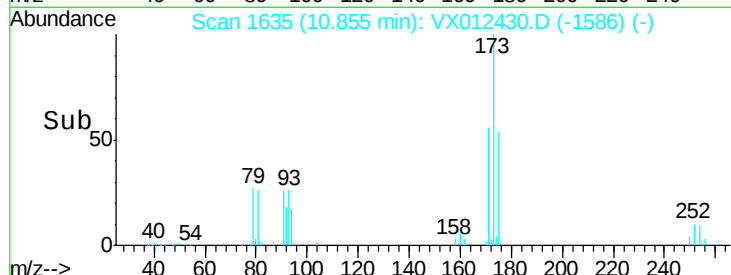
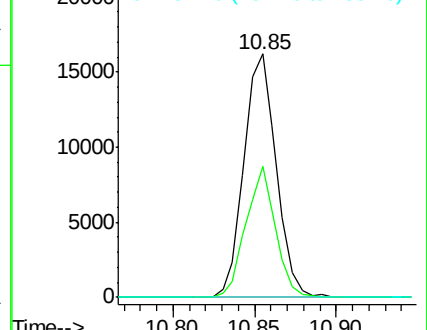
9/18/2019 11:22:09 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

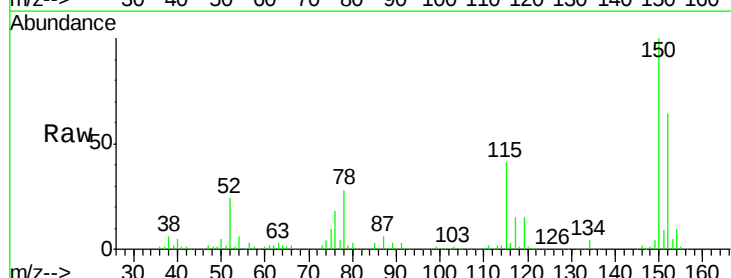
Tgt Ion:152 Resp: 119005

Ion Ratio Lower Upper

152 100

115 71.7 44.1 132.3

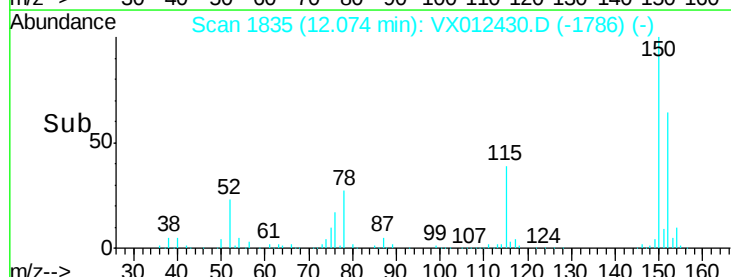
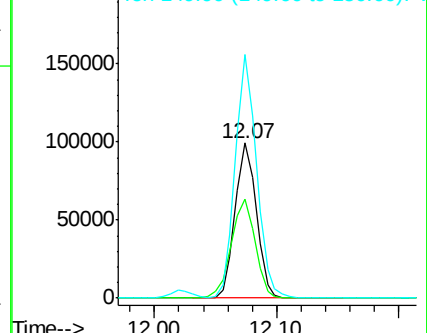
150 158.0 0.0 343.8

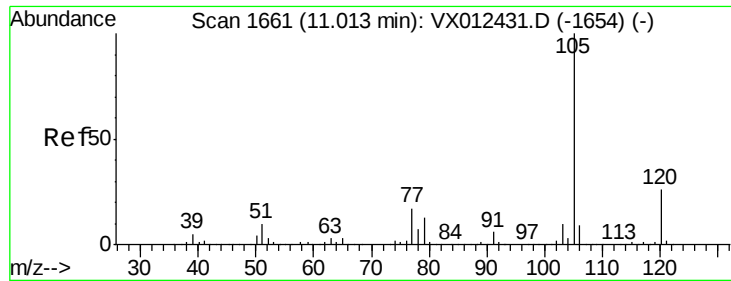


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.644 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 142719

Ion Ratio Lower Upper

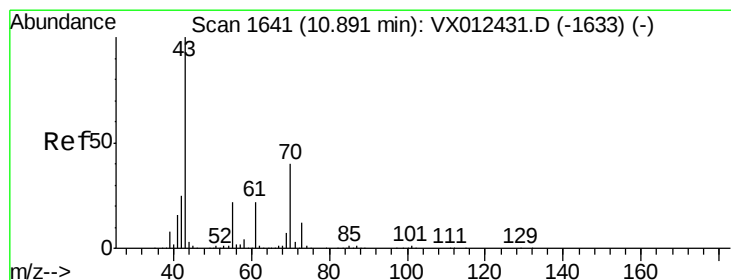
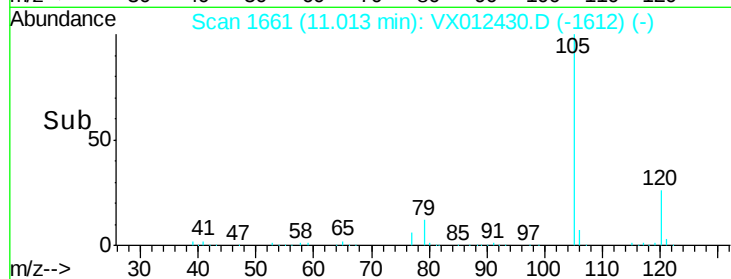
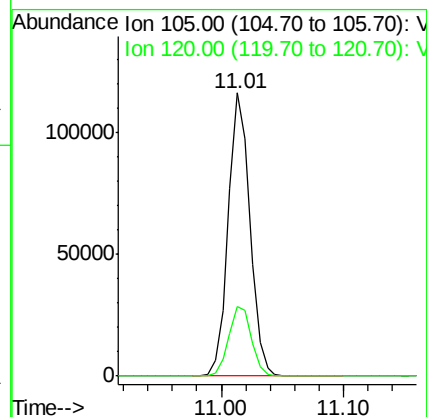
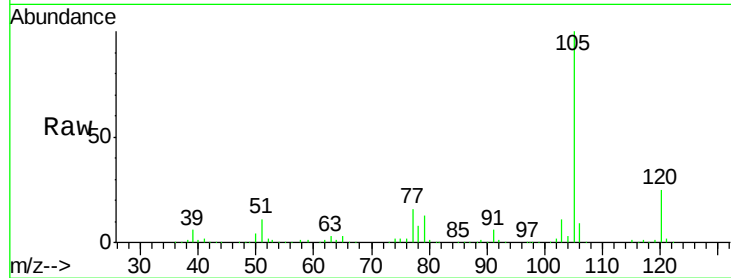
105 100

120 25.6 12.9 38.7

Manual Integrations
APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#74

N-ethyl acetate

Concen: 17.359 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion: 43 Resp: 74805

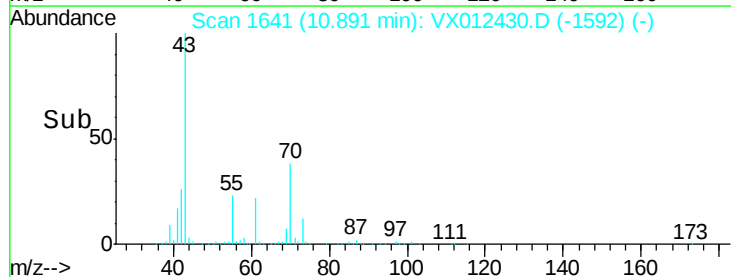
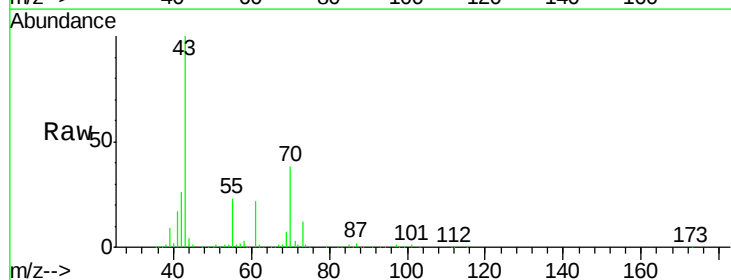
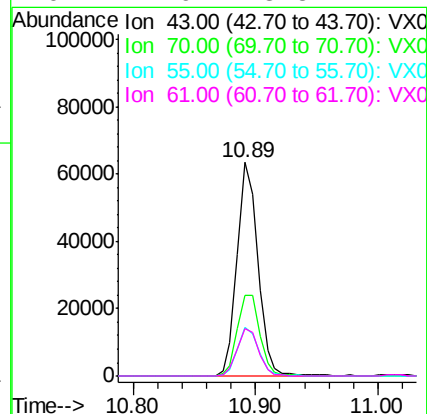
Ion Ratio Lower Upper

43 100

70 41.2 32.4 48.6

55 23.4 18.2 27.4

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 16.714 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

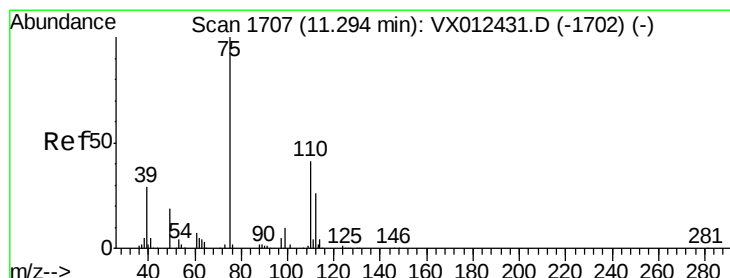
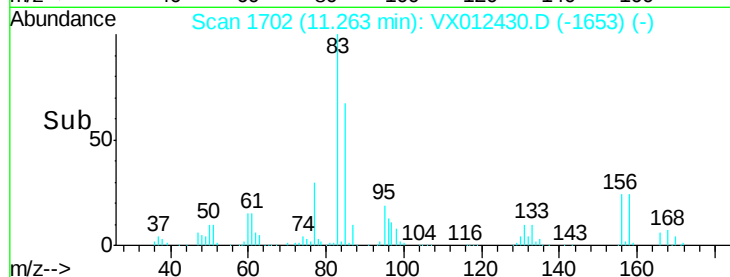
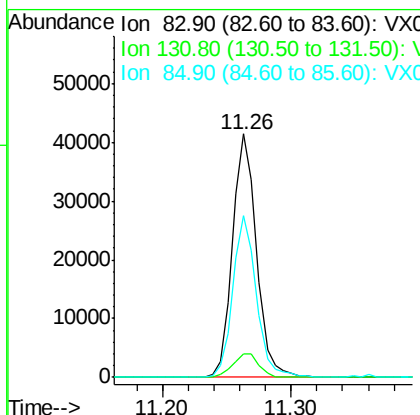
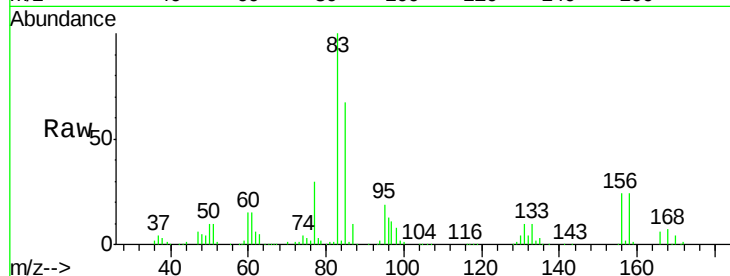
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	54165
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#76

1,2,3-Trichloropropane

Concen: 17.240 ug/l m

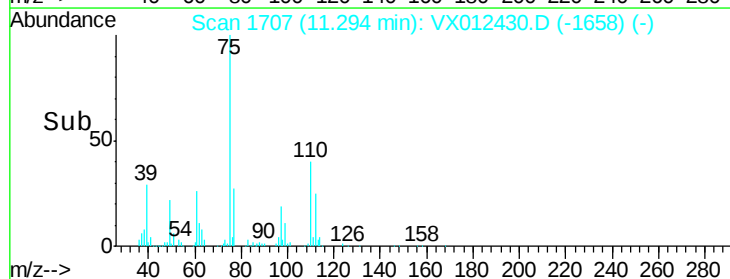
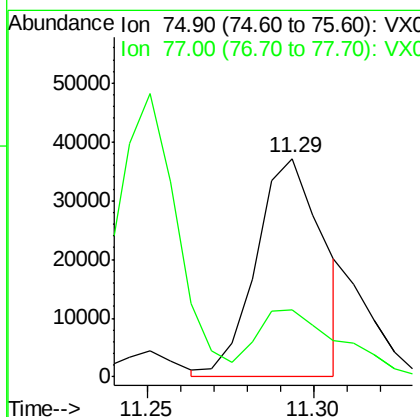
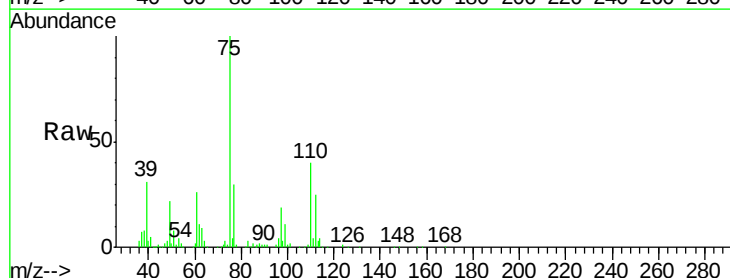
RT: 11.29 min Scan# 1707

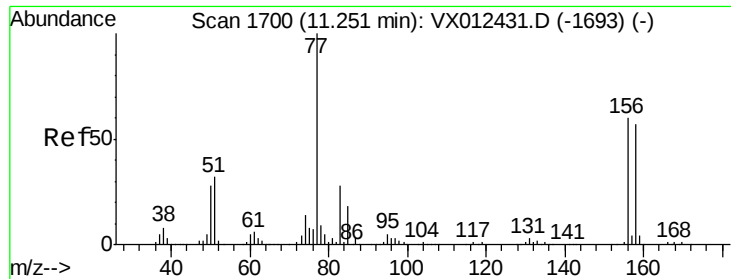
Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	75	Resp:	51877
Ion Ratio	Lower	Upper	
75	100		
77	38.4	19.7	59.0





#77

Bromobenzene

Concen: 16.376 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 33868

Ion Ratio Lower Upper

156 100

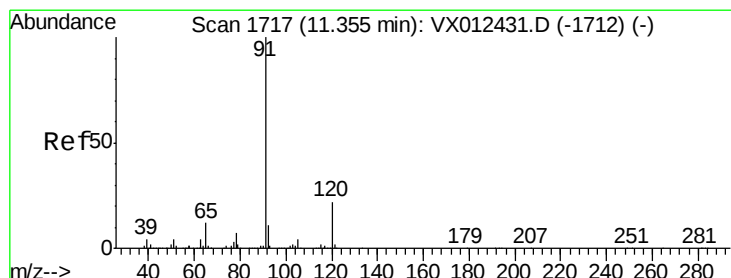
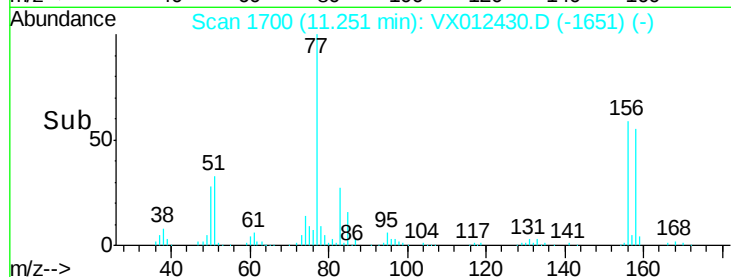
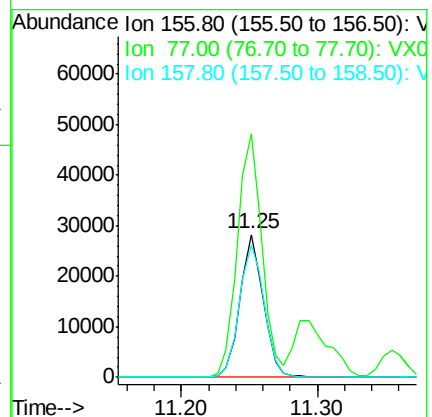
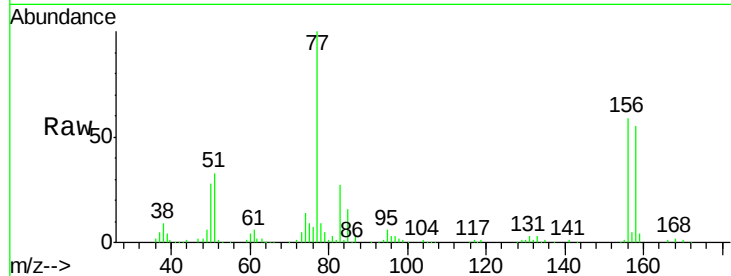
77 179.8 87.3 261.8

158 98.6 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#78

n-propylbenzene

Concen: 17.491 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012430.D

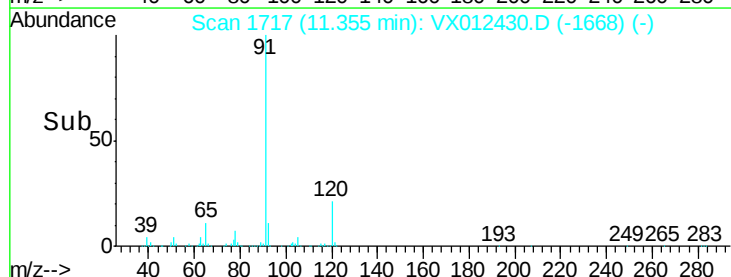
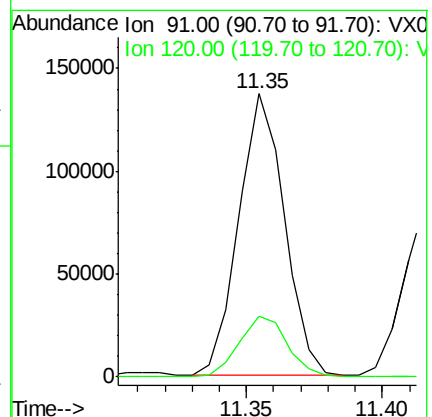
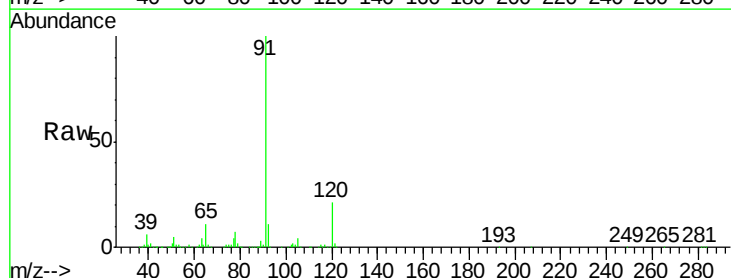
Acq: 17 Sep 2019 12:46

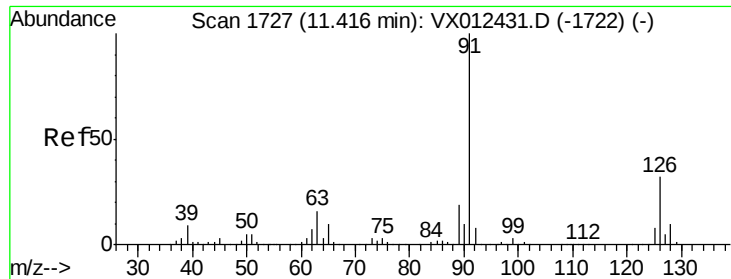
Tgt Ion: 91 Resp: 159768

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.8





#79

2-Chlorotoluene

Concen: 17.293 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 101229

Ion Ratio Lower Upper

91 100

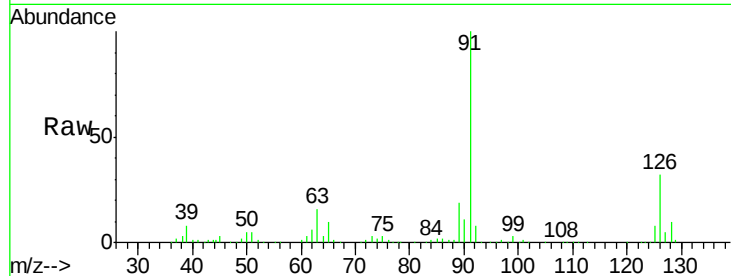
126 32.1 16.4 49.4

Manual Integrations

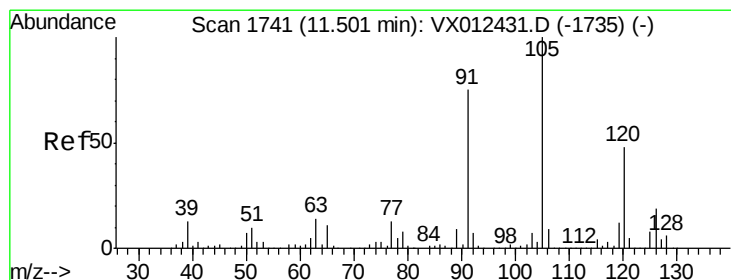
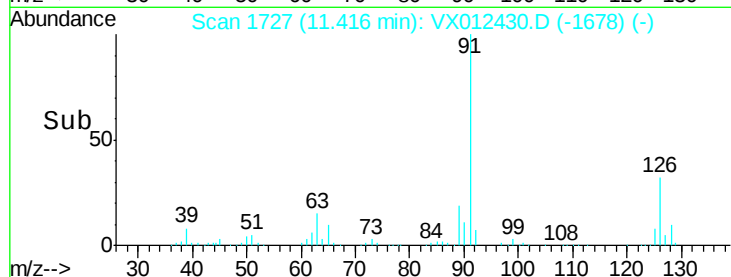
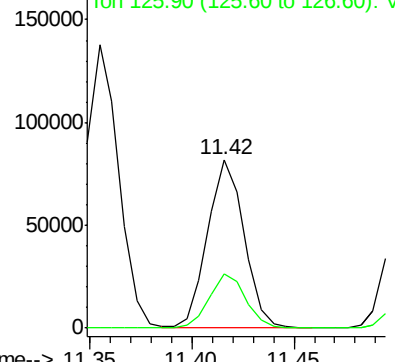
APPROVED

MMDadoda

9/18/2019 11:22:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VX012430.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.344 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012430.D

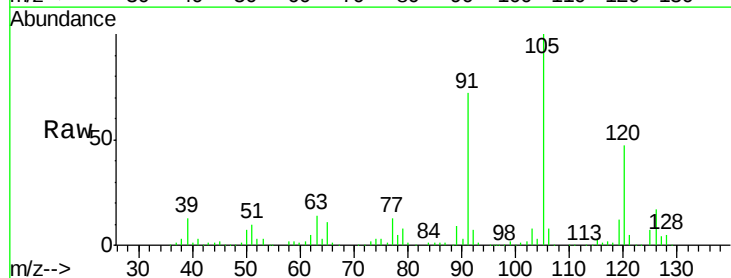
Acq: 17 Sep 2019 12:46

Tgt Ion: 105 Resp: 121812

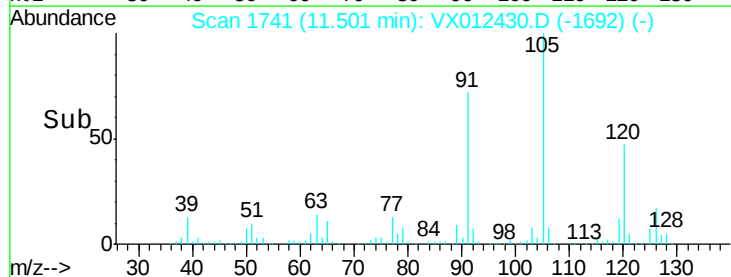
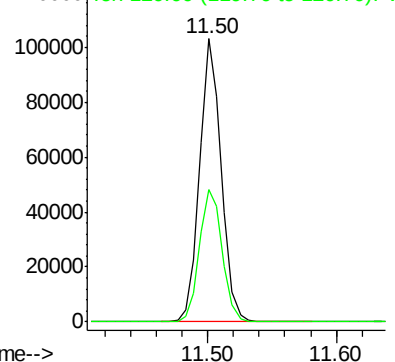
Ion Ratio Lower Upper

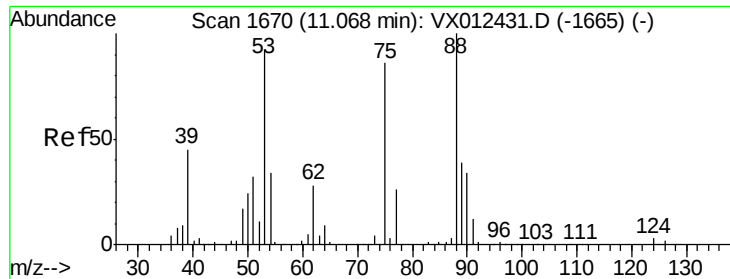
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012430.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.684 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

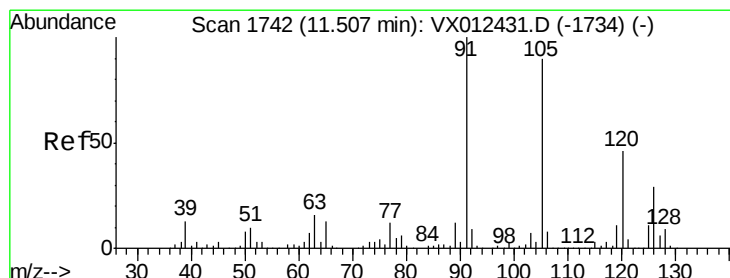
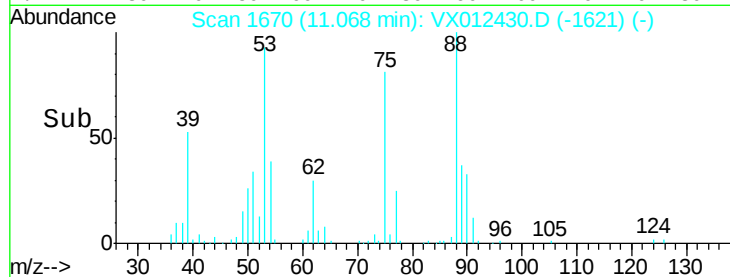
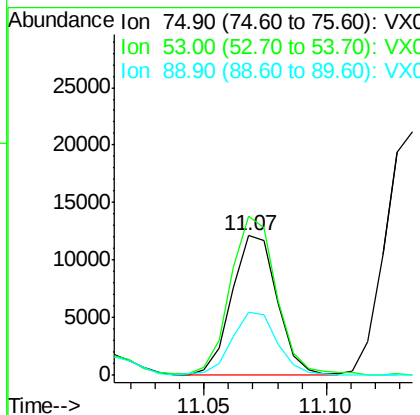
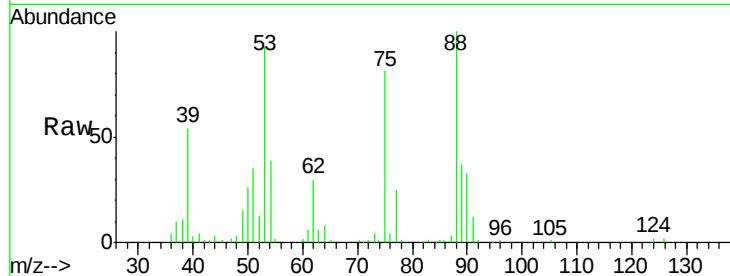
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	15641
Ion	Ratio	Lower	Upper
75	100		
53	115.0	83.6	125.4
89	46.1	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#82

4-Chlorotoluene

Concen: 17.164 ug/l

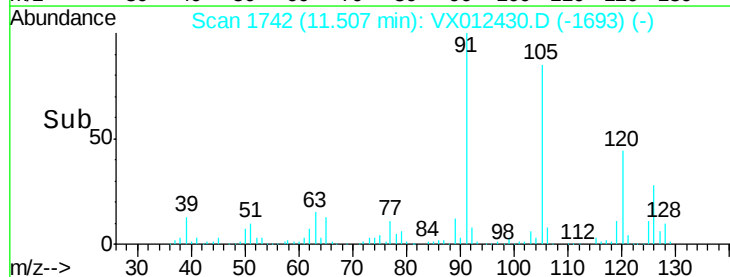
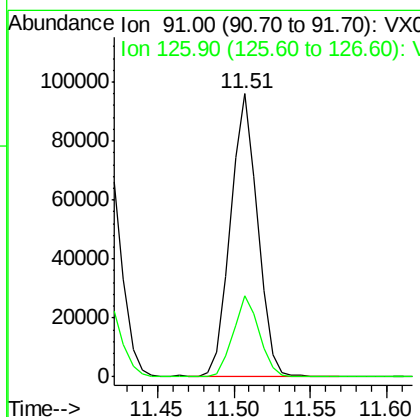
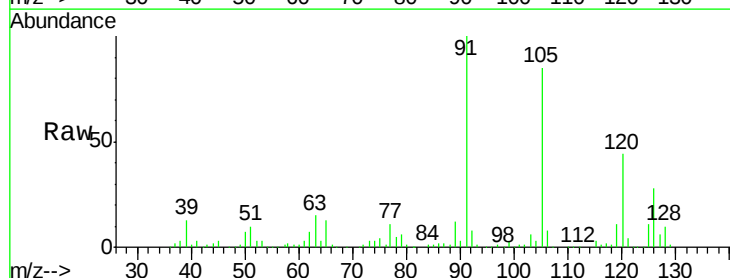
RT: 11.51 min Scan# 1742

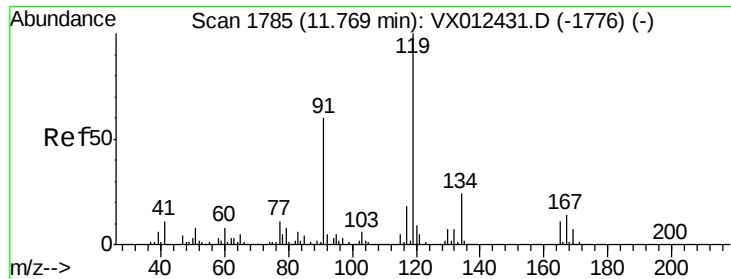
Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	91	Resp:	116991
Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.4	43.0





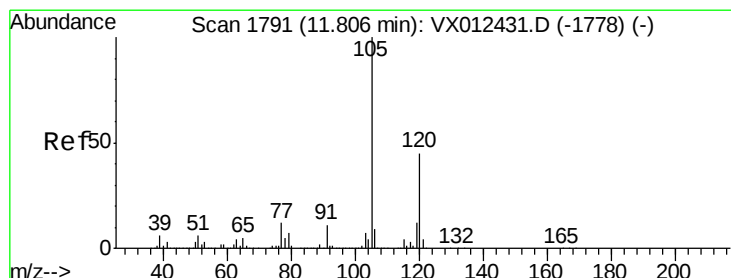
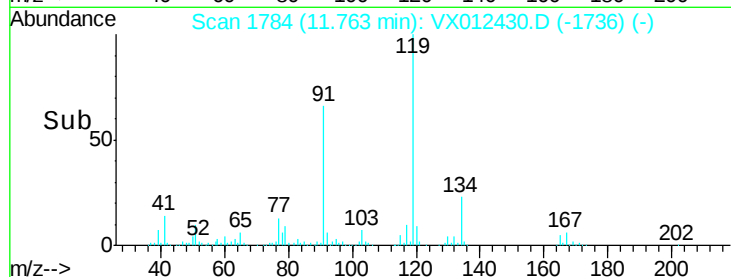
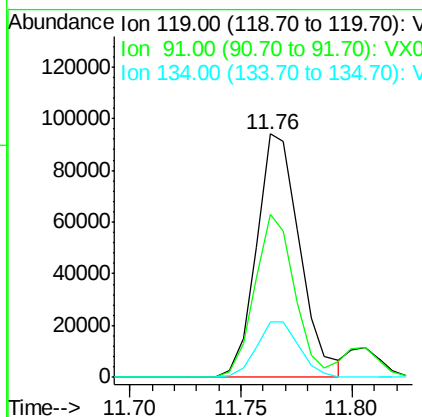
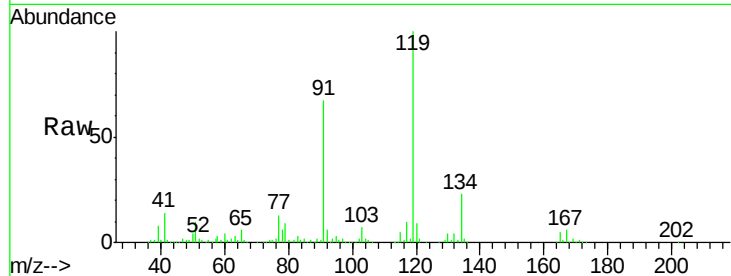
#83
tert-Butylbenzene
Concen: 17.111 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127475		
91	61.5	30.0	90.0	
134	22.4	11.3	33.9	

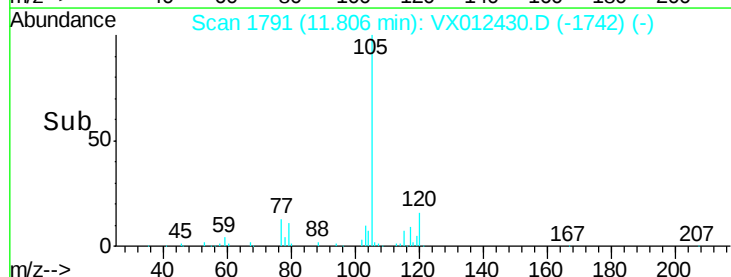
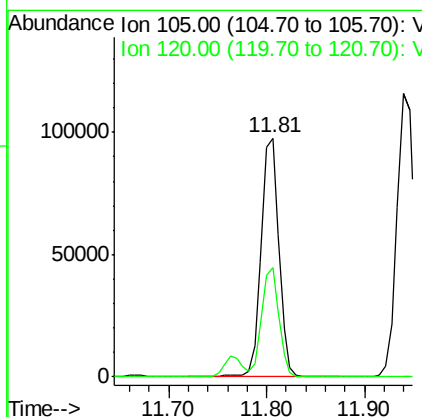
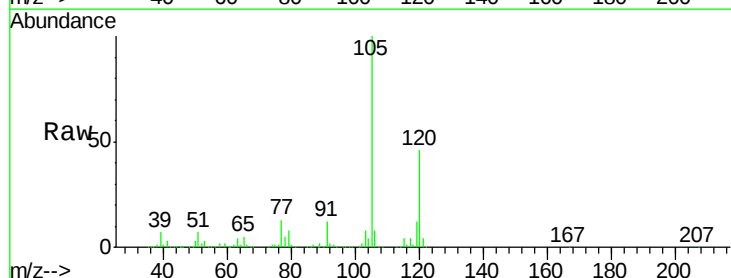
Manual Integrations
APPROVED

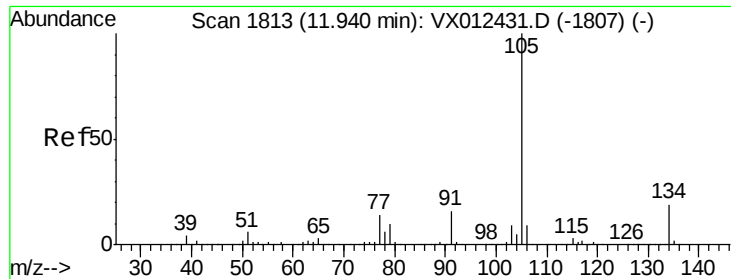
MMDadoda
9/18/2019 11:22:09 AM



#84
1,2,4-Trimethylbenzene
Concen: 17.462 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	124421		
120	44.3	22.2	66.6	





#85

sec-Butylbenzene

Concen: 17.402 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 143544

Ion Ratio Lower Upper

105 100

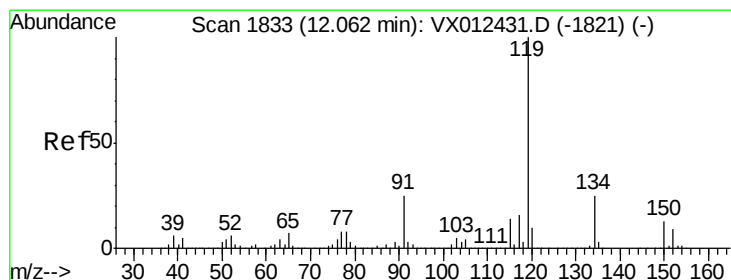
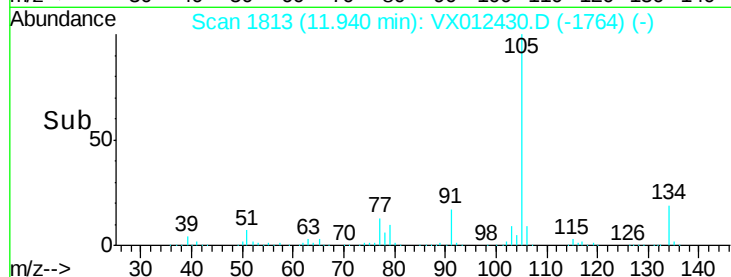
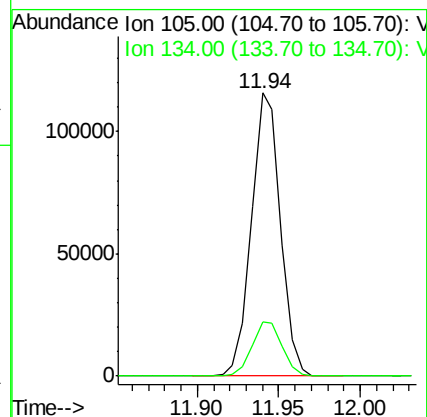
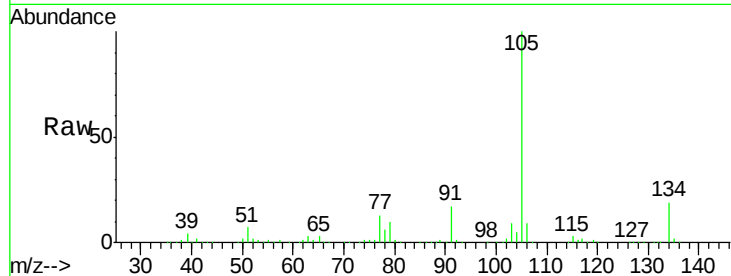
134 20.0 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:22:09 AM



#86

p-Isopropyltoluene

Concen: 17.393 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

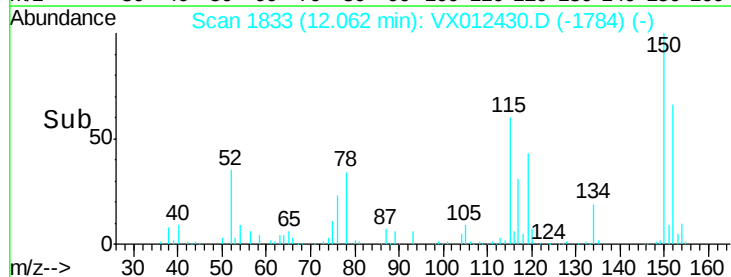
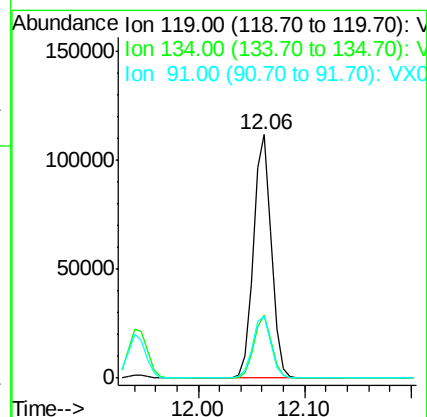
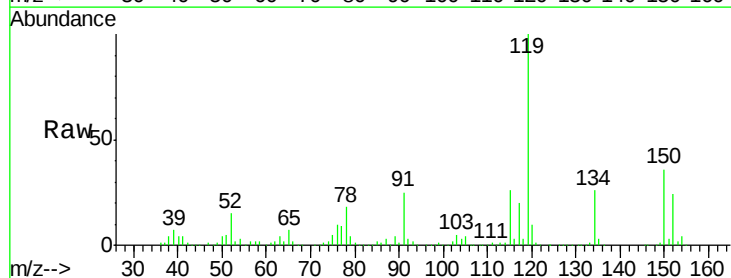
Tgt Ion:119 Resp: 131233

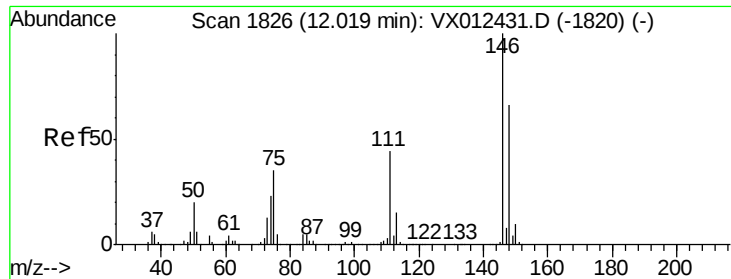
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 26.4 12.8 38.4





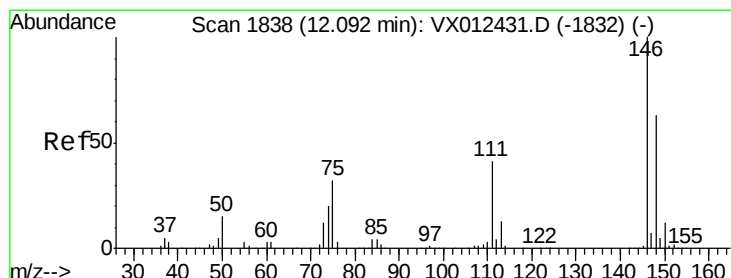
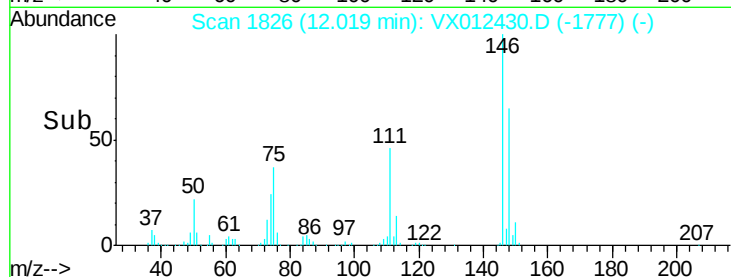
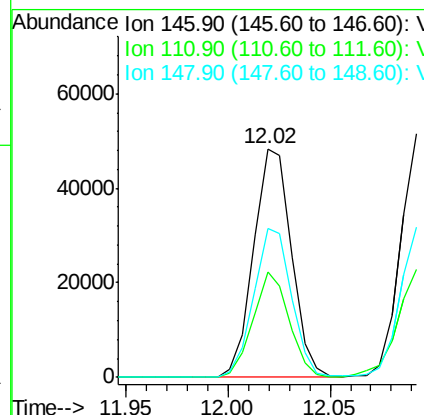
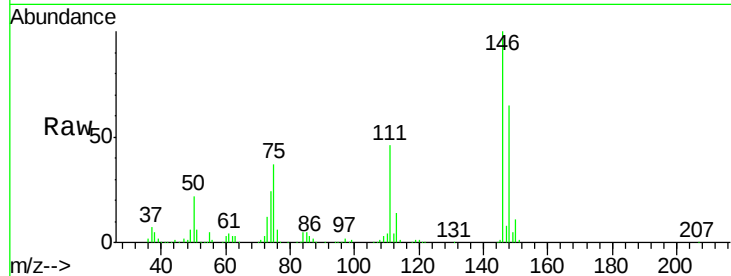
#87
 1,3-Dichlorobenzene
 Concen: 16.148 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	64.0
148	65.1	32.4	97.2

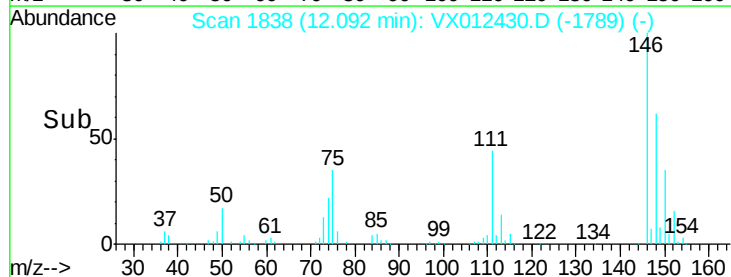
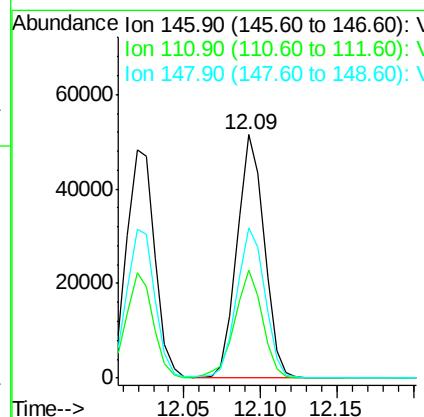
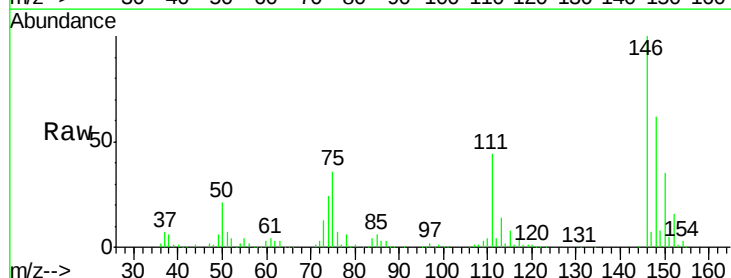
Manual Integrations
 APPROVED

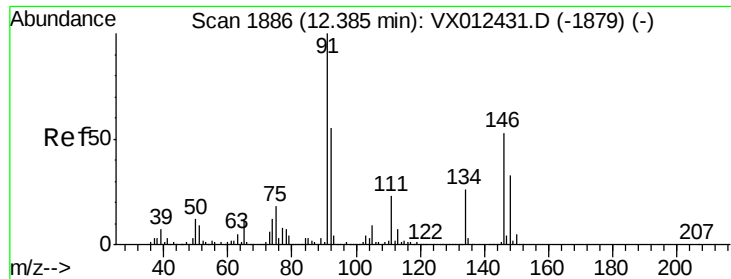
MMDadoda
 9/18/2019 11:22:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.270 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.1	63.3
148	64.1	32.1	96.5





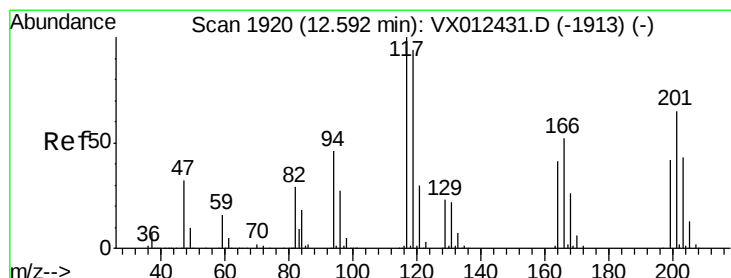
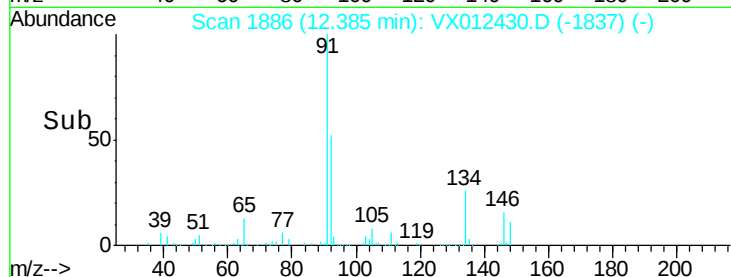
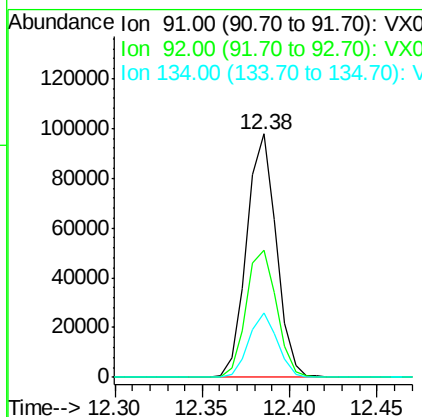
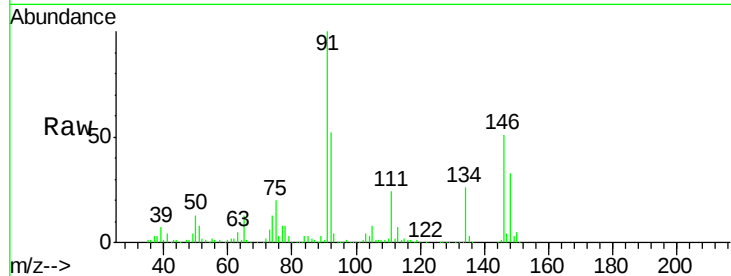
#89
n-Butylbenzene
Concen: 17.261 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.7	83.0	
134	25.5	12.9	38.6	

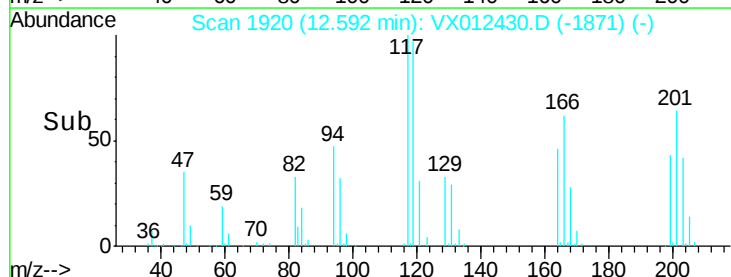
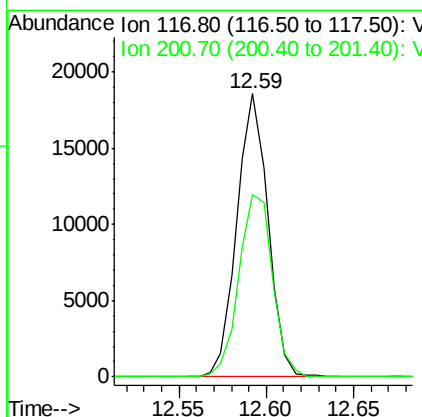
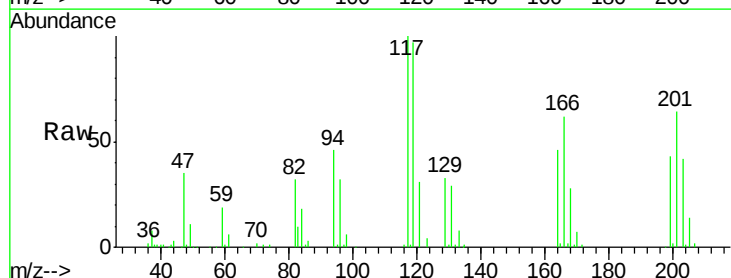
Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#90
Hexachloroethane
Concen: 15.753 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012430.D
Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.8	33.3	99.8	





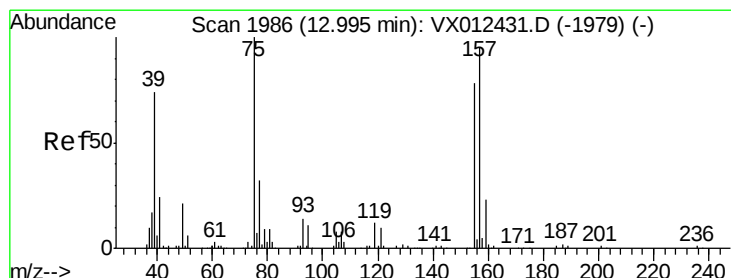
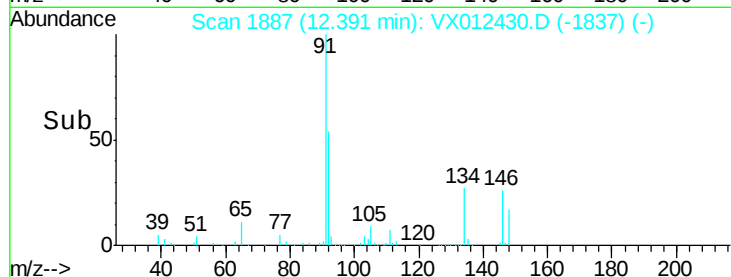
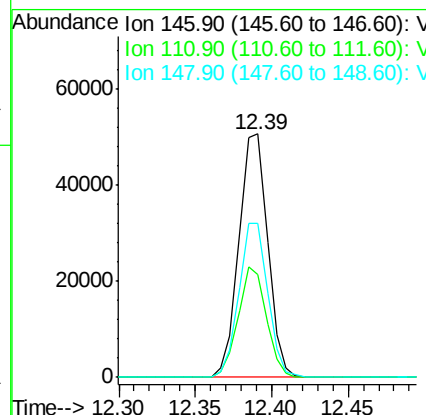
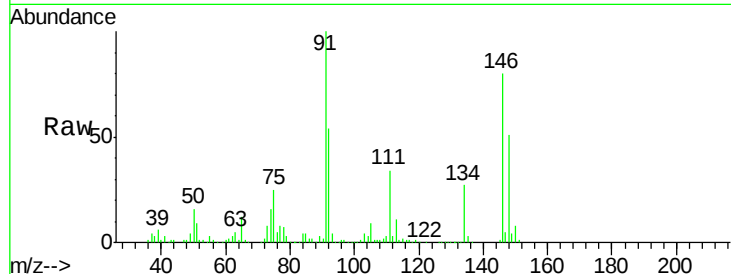
#91
 1,2-Dichlorobenzene
 Concen: 16.658 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.1
148	63.5	31.3	93.9

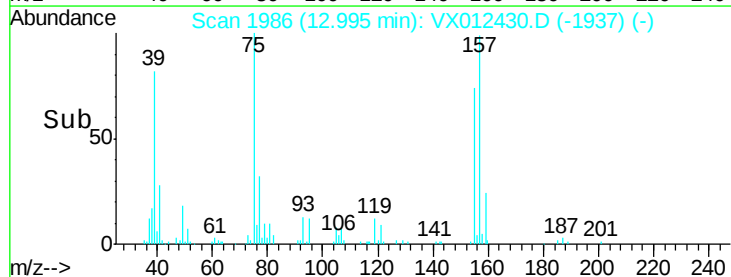
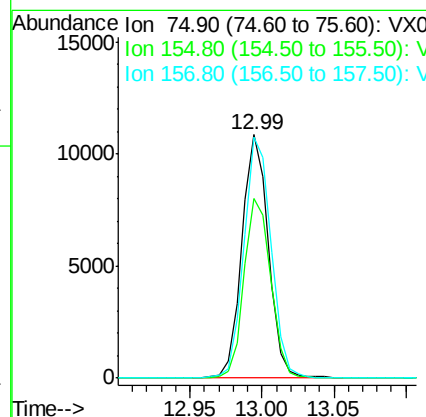
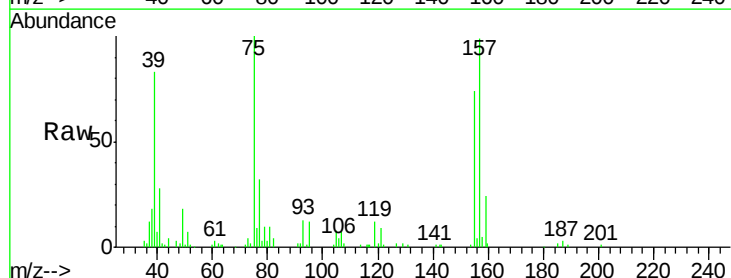
Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:22:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.174 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	38.6	115.8
157	101.2	50.6	151.9





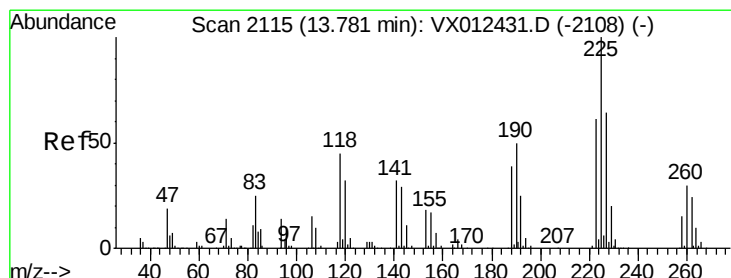
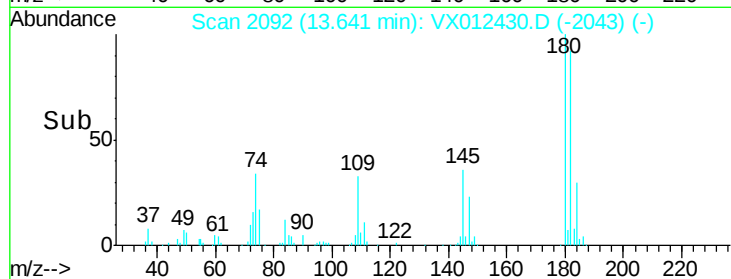
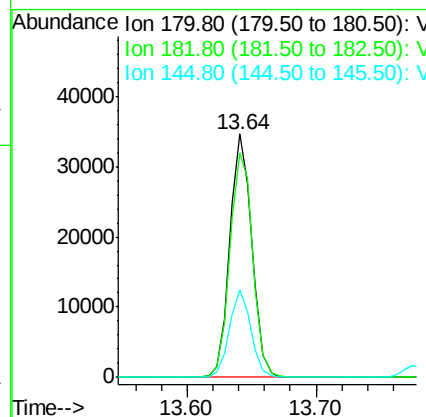
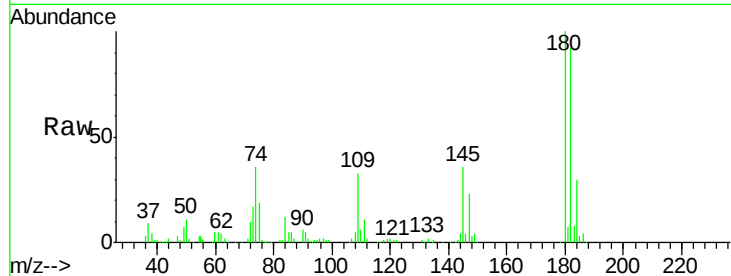
#93
 1,2,4-Trichlorobenzene
 Concen: 15.770 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41886		
182	95.4	47.0	141.0	
145	35.1	16.8	50.4	

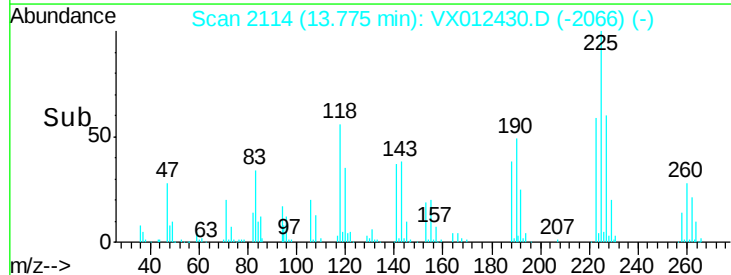
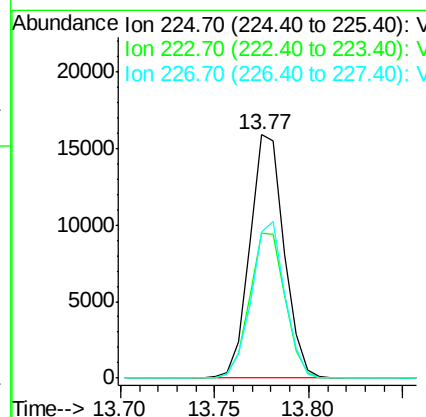
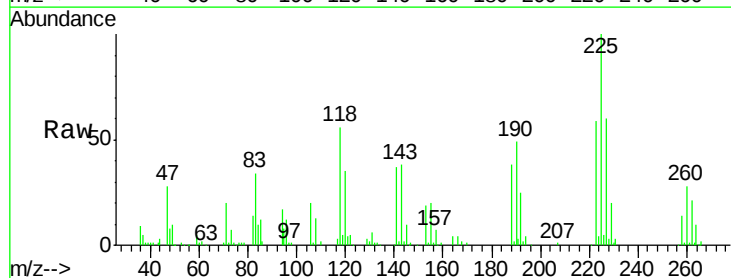
Manual Integrations
 APPROVED

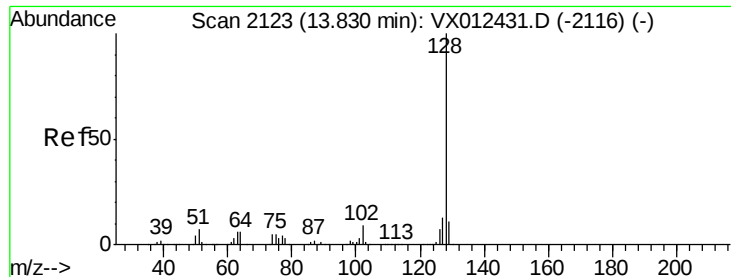
MMDadoda
 9/18/2019 11:22:09 AM



#94
 Hexachlorobutadiene
 Concen: 15.755 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012430.D
 Acq: 17 Sep 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20006		
223	61.6	32.0	96.2	
227	62.6	31.9	95.5	





#95

Naphthalene

Concen: 17.114 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Instrument :

MSVOA_X

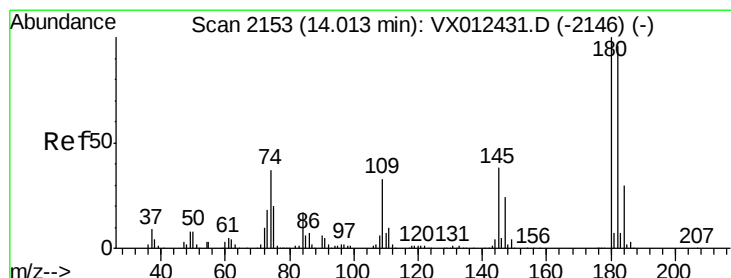
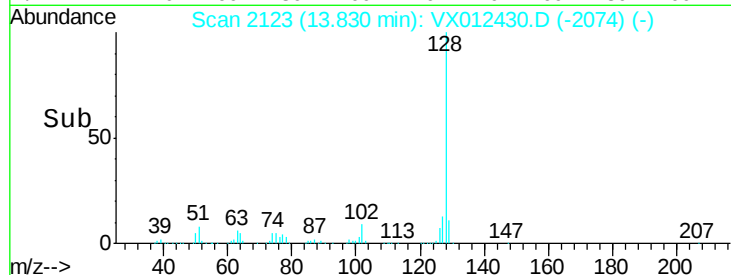
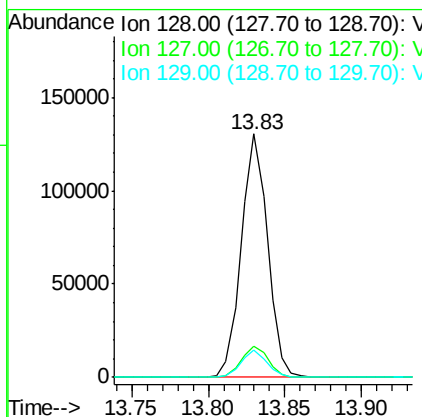
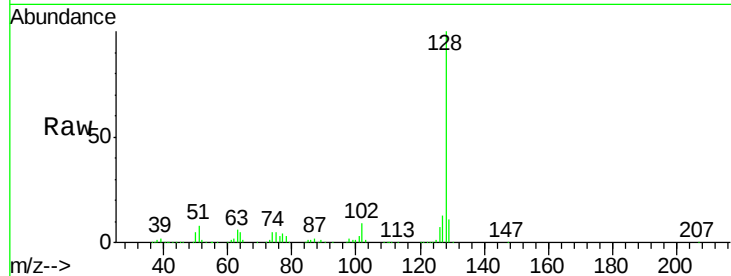
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	155248
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:22:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.898 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012430.D

Acq: 17 Sep 2019 12:46

Tgt Ion:	180	Resp:	44670
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.1	141.3
145	34.7	18.0	54.0

