

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090519\
 Data File : VX012121.D
 Acq On : 06 Sep 2019 01:56
 Operator : SY/SP
 Sample : VX0905SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:52 PM

Quant Time: Sep 06 07:19:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	111420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86605	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	5.48	113	66689	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	245961	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	108872	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18971	18.464	ug/l	95
3) Chloromethane	1.31	50	20391	19.378	ug/l	95
4) Vinyl Chloride	1.40	62	18538	18.725	ug/l	98
5) Bromomethane	1.62	94	9995	20.352	ug/l	99
6) Chloroethane	1.70	64	12664	20.577	ug/l	99
7) Trichlorofluoromethane	1.91	101	29055	18.895	ug/l	95
8) Diethyl Ether	2.17	74	11859	22.317	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	20395	17.907	ug/l #	84
10) Methyl Iodide	2.50	142	14230	17.604	ug/l	93
11) Tert butyl alcohol	3.04	59	16521	111.881	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	19573	17.840	ug/l	90
13) Acrolein	2.28	56	4899	113.844	ug/l	94
14) Allyl chloride	2.71	41	40022	20.160	ug/l	98
15) Acrylonitrile	3.13	53	36515	109.356	ug/l	97
16) Acetone	2.43	43	33574	91.366	ug/l	100
17) Carbon Disulfide	2.55	76	50508	15.752	ug/l	98
18) Methyl Acetate	2.76	43	21842	25.232	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	78891	22.087	ug/l	96
20) Methylene Chloride	2.84	84	29026	19.671	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	23608	18.337	ug/l	90
22) Diisopropyl ether	3.84	45	89706	22.169	ug/l	96
23) Vinyl Acetate	3.80	43	270744	103.432	ug/l	97
24) 1,1-Dichloroethane	3.68	63	49011	20.884	ug/l	98
25) 2-Butanone	4.67	43	50099	107.105	ug/l	94
26) 2,2-Dichloropropane	4.57	77	35783	16.515	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	30784	20.398	ug/l	93
28) Bromochloromethane	5.00	49	22313	23.818	ug/l #	79
29) Tetrahydrofuran	5.11	42	31455	111.613	ug/l	98
30) Chloroform	5.19	83	53666	21.311	ug/l	97
31) Cyclohexane	5.56	56	32007	16.982	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	43547	19.855	ug/l	96
36) 1,1-Dichloropropene	5.78	75	32583	16.711	ug/l	96
37) Ethyl Acetate	4.82	43	21825	20.585	ug/l #	85
38) Carbon Tetrachloride	5.77	117	36162	17.601	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012121.D
 Acq On : 06 Sep 2019 01:56
 Operator : SY/SP
 Sample : VX0905SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0905SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:52 PM

Quant Time: Sep 06 07:19:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34461	15.228	ug/l	96
40) Benzene	6.13	78	103806	18.545	ug/l	98
41) Methacrylonitrile	5.03	41	13643	21.577	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42497	21.098	ug/l	97
43) Isopropyl Acetate	6.43	43	46079	21.374	ug/l	98
44) Trichloroethene	7.21	130	27243	18.045	ug/l	87
45) 1,2-Dichloropropane	7.51	63	28021	19.376	ug/l	98
46) Dibromomethane	7.65	93	16361	19.380	ug/l #	74
47) Bromodichloromethane	7.89	83	42075	19.607	ug/l	98
48) Methyl methacrylate	7.76	41	22252	20.528	ug/l	96
49) 1,4-Dioxane	7.73	88	6061	410.164	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	116613	106.345	ug/l	97
52) Toluene	8.78	92	66483	18.255	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	39628	17.838	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	44240	17.907	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	24070	19.943	ug/l	97
56) Ethyl methacrylate	9.17	69	34295	19.837	ug/l	95
57) 1,3-Dichloropropane	9.37	76	41500	19.926	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	84694	108.665	ug/l	94
59) 2-Hexanone	9.48	43	80593	100.725	ug/l	98
60) Dibromochloromethane	9.57	129	28110	19.542	ug/l	97
61) 1,2-Dibromoethane	9.67	107	22926	19.658	ug/l	99
64) Tetrachloroethene	9.33	164	26302	20.585	ug/l #	86
65) Chlorobenzene	10.14	112	75769	18.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	28182	19.060	ug/l	97
67) Ethyl Benzene	10.24	91	134013	18.181	ug/l	97
68) m/p-Xylenes	10.35	106	97751	35.993	ug/l	89
69) o-Xylene	10.70	106	48003	18.228	ug/l	86
70) Styrene	10.71	104	85825	18.763	ug/l	94
71) Bromoform	10.85	173	14770	18.187	ug/l #	99
73) Isopropylbenzene	11.01	105	132059	18.311	ug/l	96
74) N-amyl acetate	10.89	43	42052	19.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	30567	20.331	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27014m	22.493	ug/l	
77) Bromobenzene	11.25	156	31722	19.667	ug/l	69
78) n-propylbenzene	11.35	91	156324	17.942	ug/l	94
79) 2-Chlorotoluene	11.42	91	99092	18.773	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	116911	18.498	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	8137	16.018	ug/l	89
82) 4-Chlorotoluene	11.51	91	118854	18.891	ug/l	93
83) tert-Butylbenzene	11.76	119	110372	18.323	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	121592	18.719	ug/l	95
85) sec-Butylbenzene	11.94	105	134815	18.018	ug/l	93
86) p-Isopropyltoluene	12.06	119	120869	17.763	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60679	18.774	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	62377	19.302	ug/l	91
89) n-Butylbenzene	12.38	91	115309	17.445	ug/l	96
90) Hexachloroethane	12.59	117	24361	17.931	ug/l	54
91) 1,2-Dichlorobenzene	12.38	146	57331	19.696	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5798	18.428	ug/l	65

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\
Data File : VX012121.D
Acq On : 06 Sep 2019 01:56
Operator : SY/SP
Sample : VX0905SBSD02
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD02

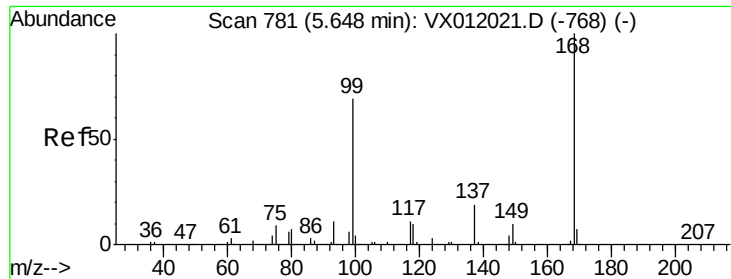
Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM

Quant Time: Sep 06 07:19:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	37785	18.237	µg/l	96
94) Hexachlorobutadiene	13.78	225	18484	17.699	µg/l	98
95) Naphthalene	13.83	128	83667	18.659	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	33495	18.376	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:168 Resp: 111420

Ion Ratio Lower Upper

168 100

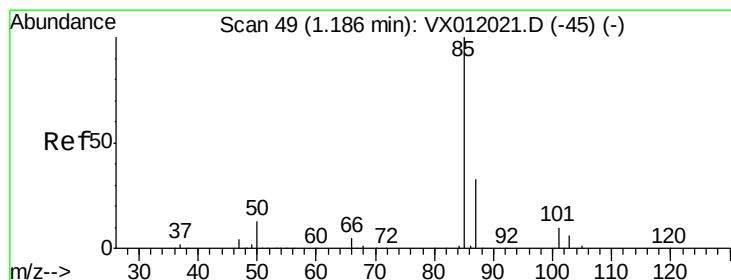
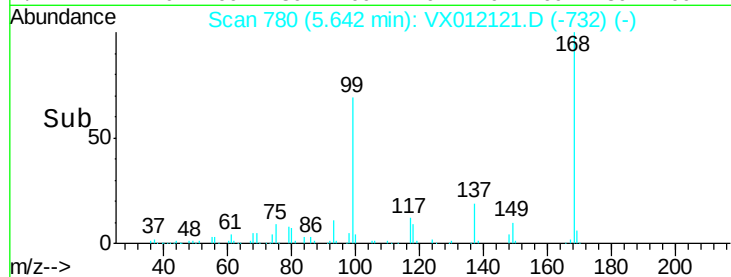
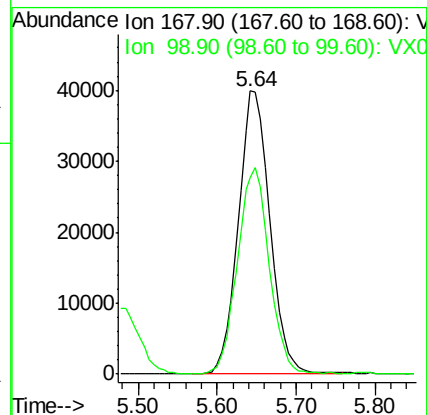
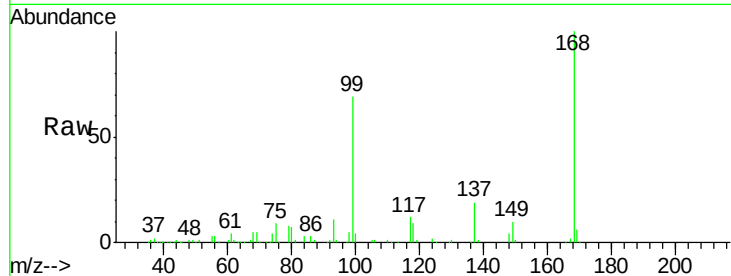
99 69.3 37.6 56.4#

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#2

Dichlorodifluoromethane

Concen: 18.464 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012121.D

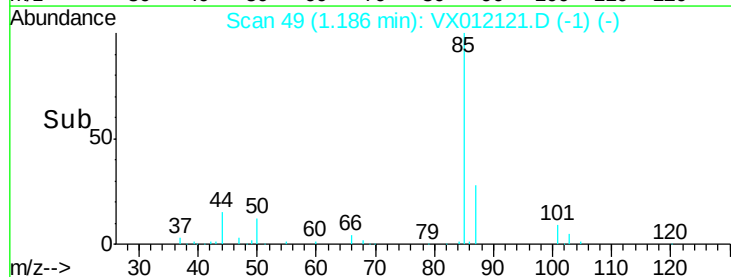
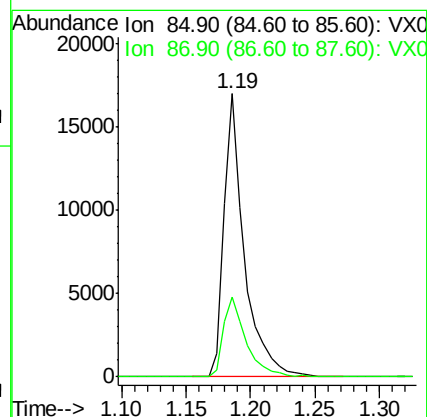
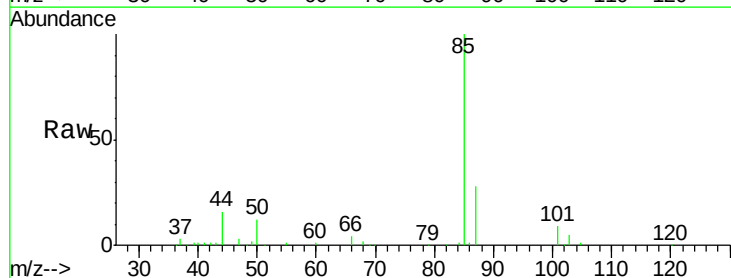
Acq: 06 Sep 2019 01:56

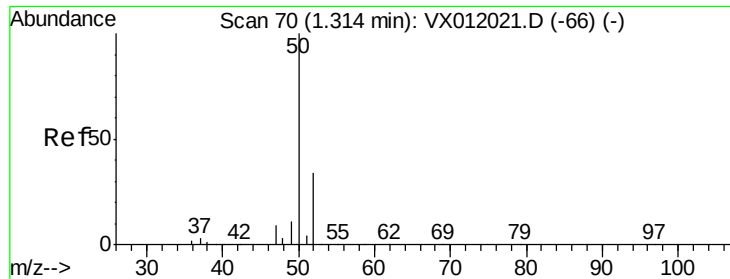
Tgt Ion: 85 Resp: 18971

Ion Ratio Lower Upper

85 100

87 28.2 15.6 46.8





#3

Chloromethane

Concen: 19.378 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 50 Resp: 20391

Ion Ratio Lower Upper

50 100

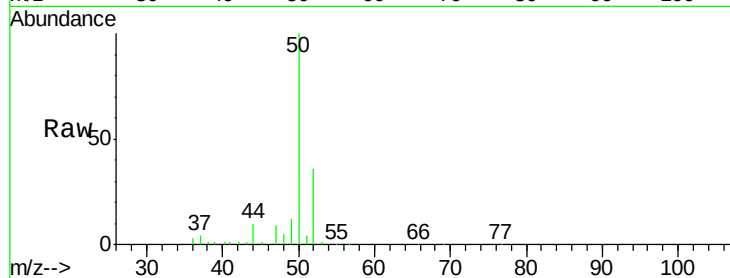
52 35.7 26.5 39.7

Manual Integrations

APPROVED

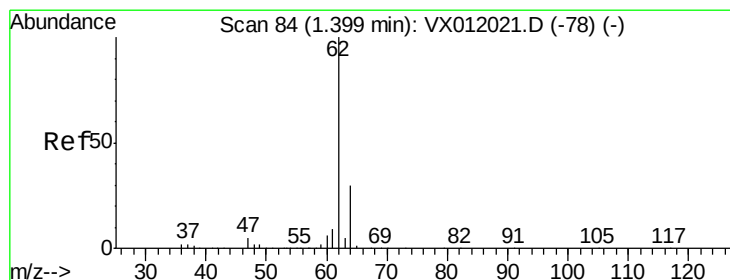
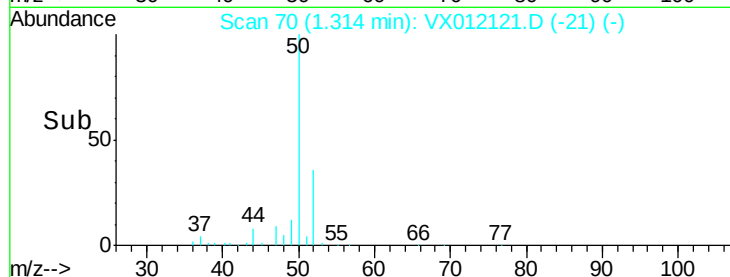
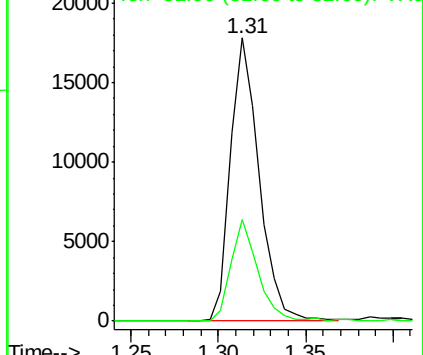
MMDadoda

9/6/2019 12:31:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.725 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012121.D

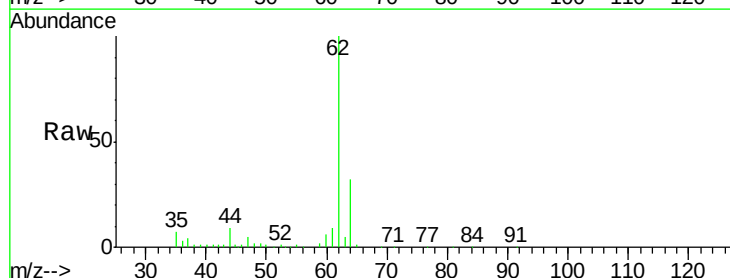
Acq: 06 Sep 2019 01:56

Tgt Ion: 62 Resp: 18538

Ion Ratio Lower Upper

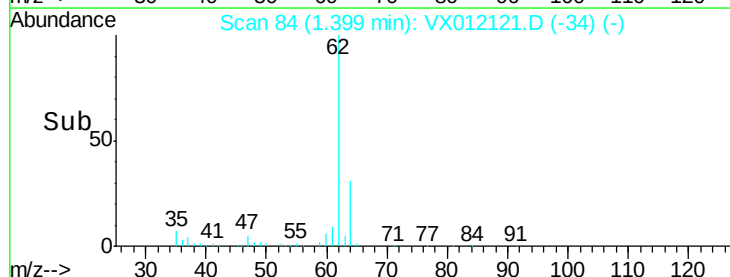
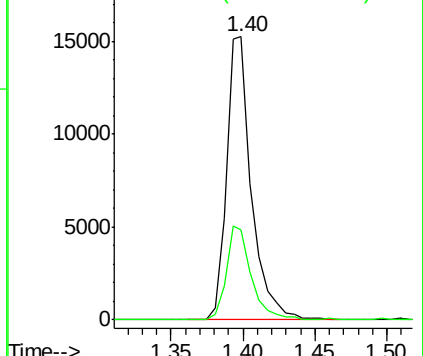
62 100

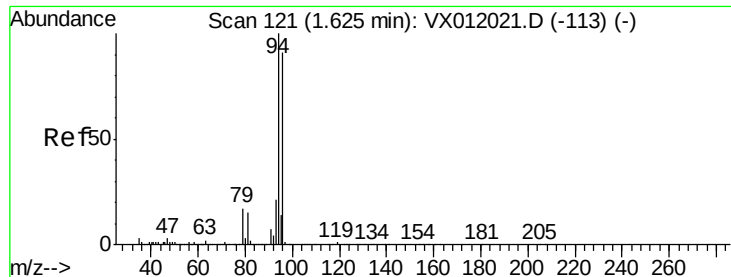
64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.352 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 94 Resp: 9995

Ion Ratio Lower Upper

94 100

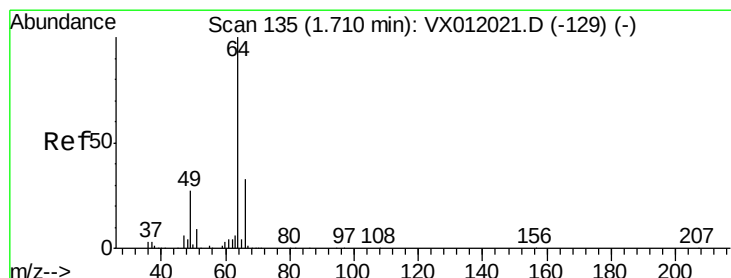
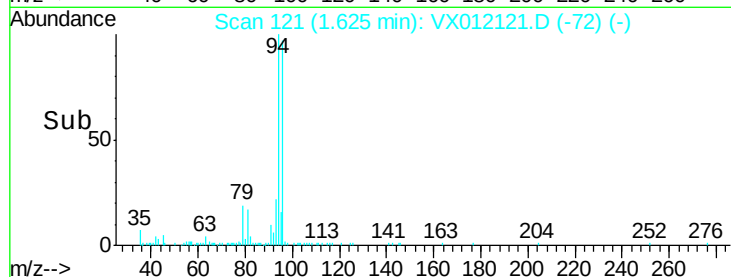
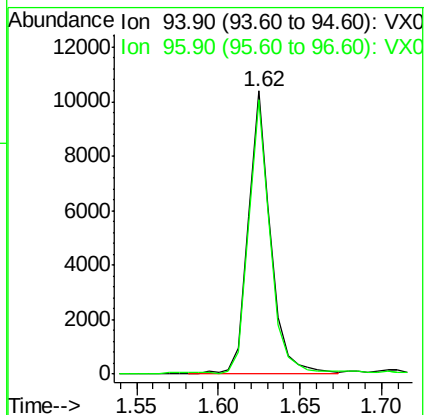
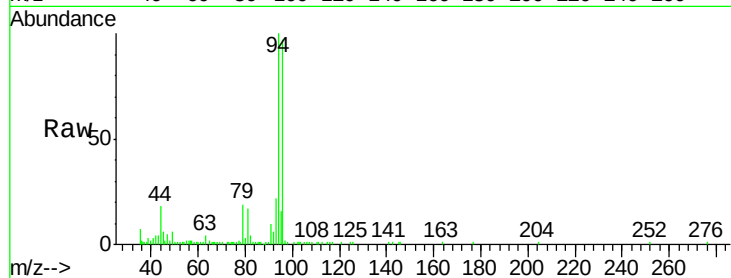
96 96.3 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#6

Chloroethane

Concen: 20.577 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012121.D

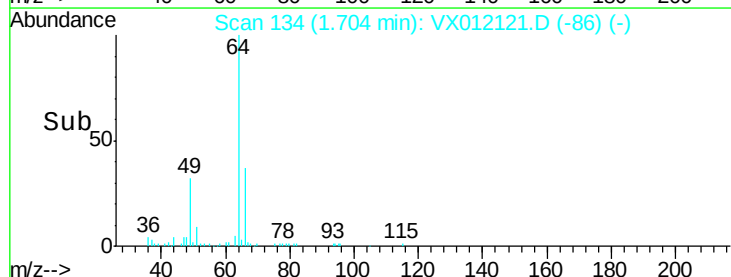
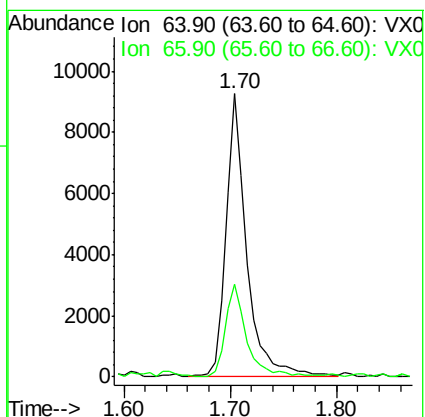
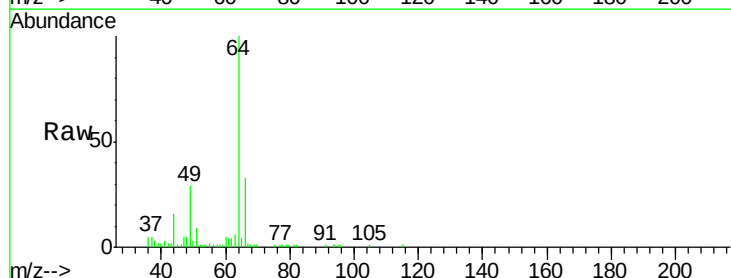
Acq: 06 Sep 2019 01:56

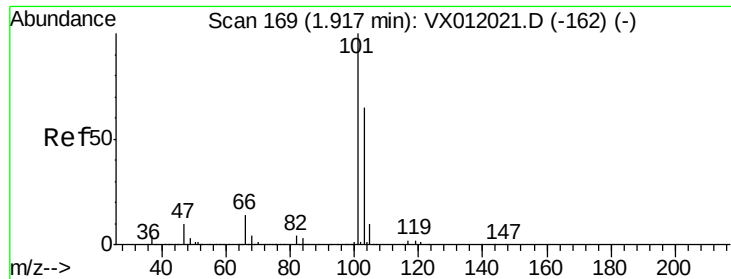
Tgt Ion: 64 Resp: 12664

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5





#7

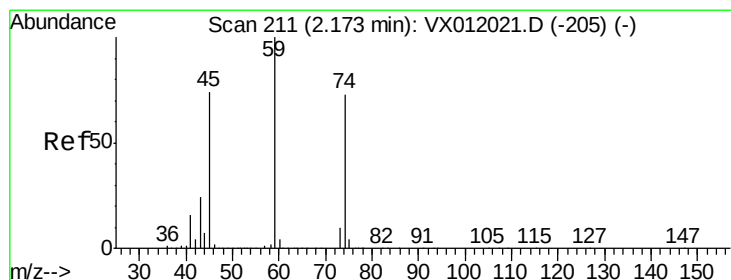
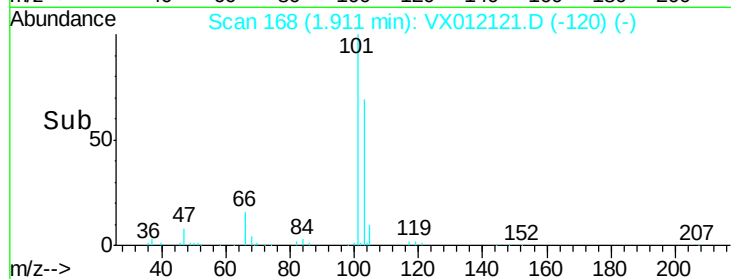
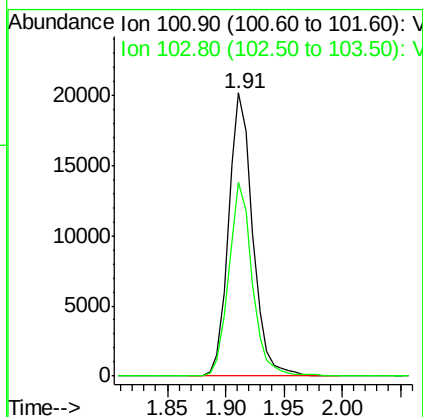
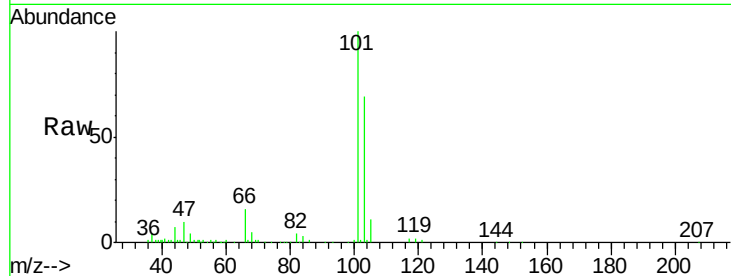
Trichlorofluoromethane
Concen: 18.895 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.6	77.4

Manual Integrations
APPROVED

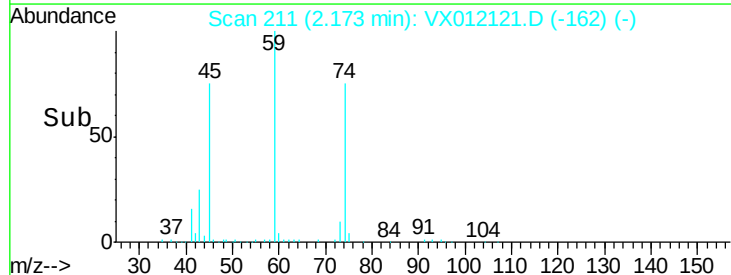
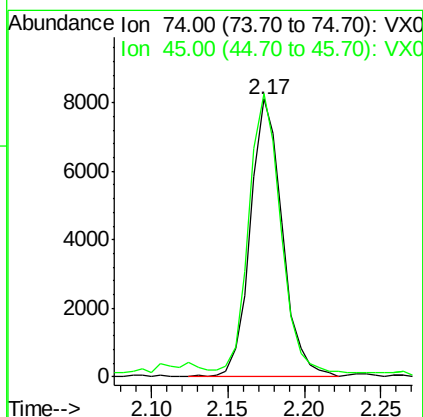
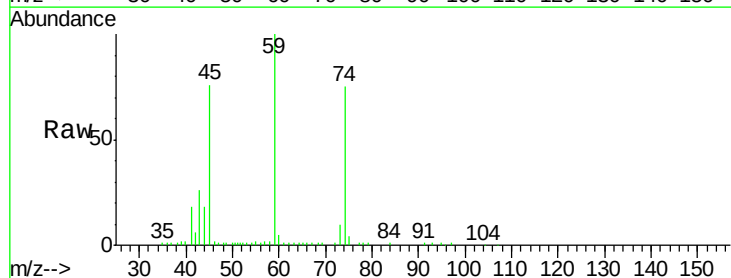
MMDadoda
9/6/2019 12:31:52 PM

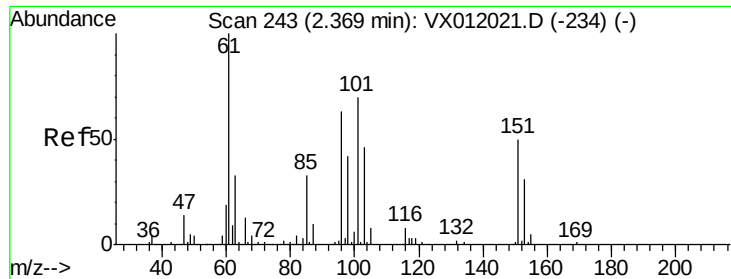


#8

Diethyl Ether
Concen: 22.317 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.907 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:101 Resp: 20395

Ion Ratio Lower Upper

101 100

85 44.8 34.5 51.7

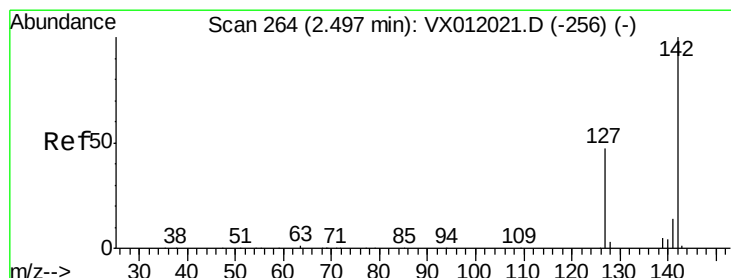
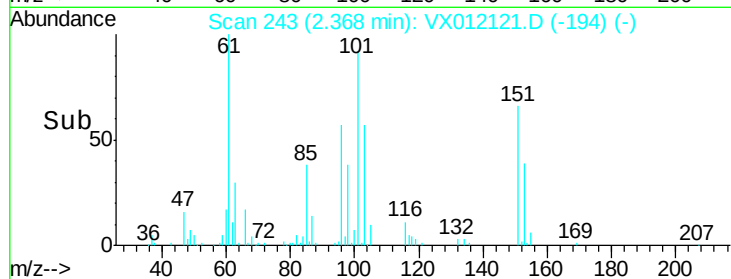
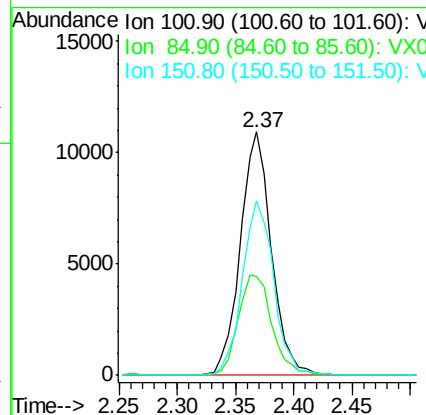
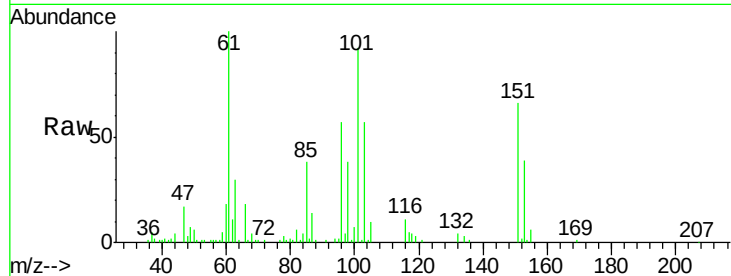
151 72.5 75.0 112.4#

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#10

Methyl Iodide

Concen: 17.604 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

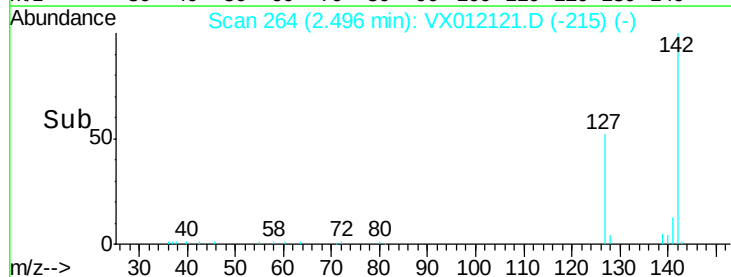
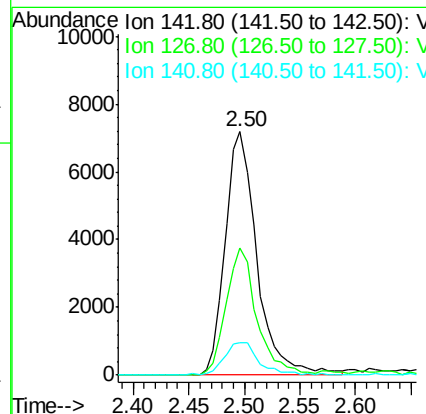
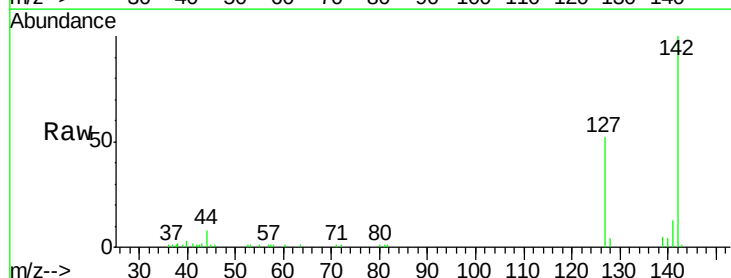
Tgt Ion:142 Resp: 14230

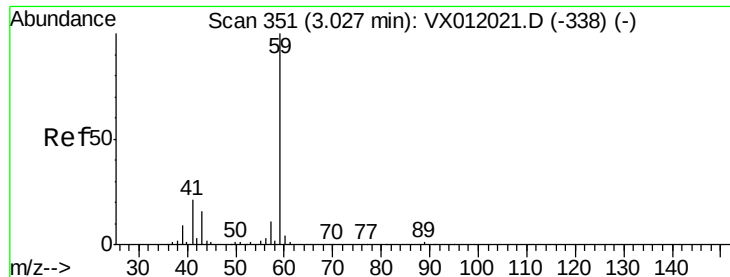
Ion Ratio Lower Upper

142 100

127 50.2 35.4 53.2

141 14.5 11.4 17.2





#11

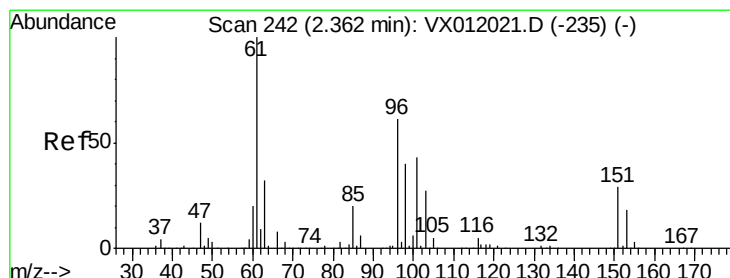
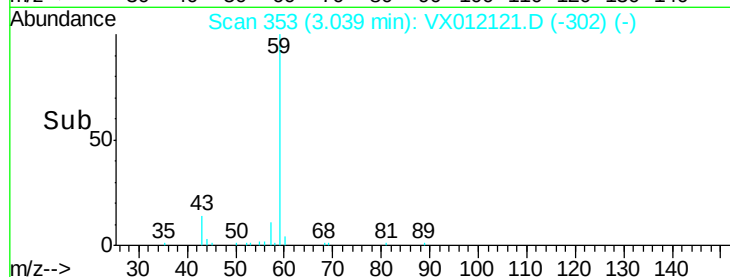
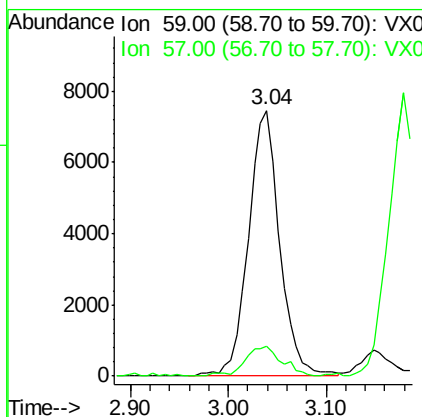
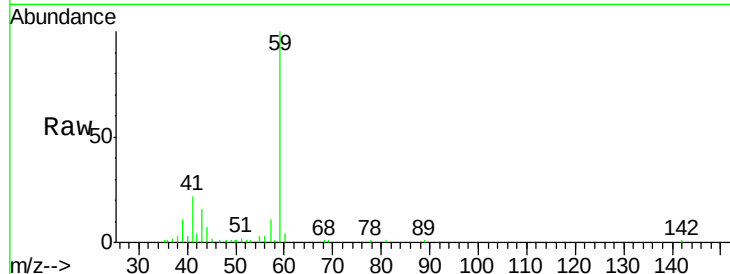
Tert butyl alcohol
 Concen: 111.881 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	59	Resp	16521
Ion Ratio	100	Lower	Upper
57	12.6	7.9	11.9#

Manual Integrations
 APPROVED

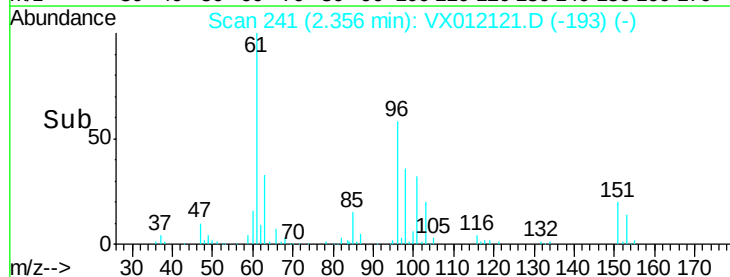
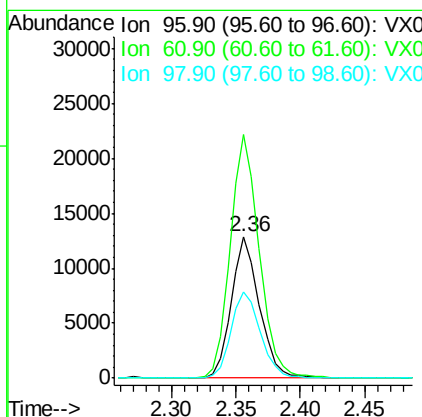
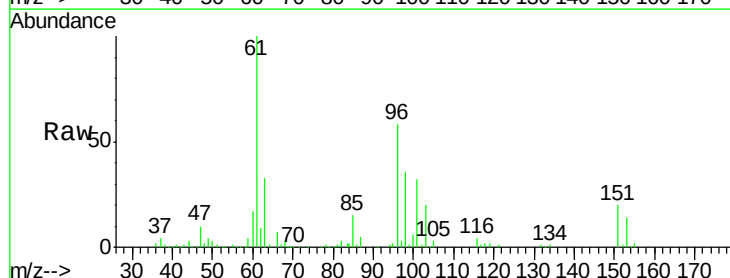
MMDadoda
 9/6/2019 12:31:52 PM

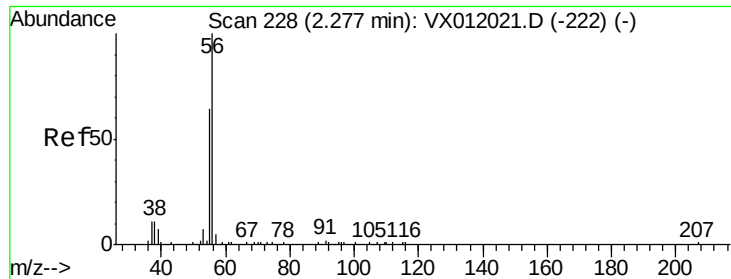


#12

1,1-Dichloroethene
 Concen: 17.840 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	96	Resp	19573
Ion Ratio	100	Lower	Upper
61	172.1	124.1	186.1
98	61.4	50.2	75.2





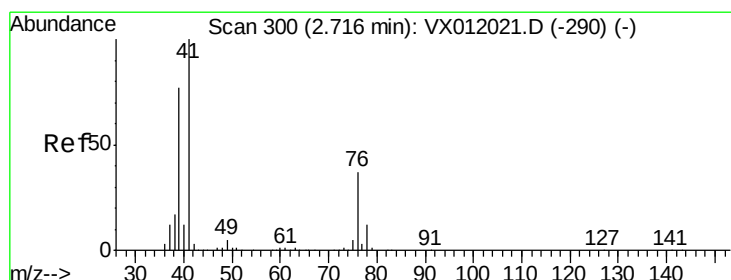
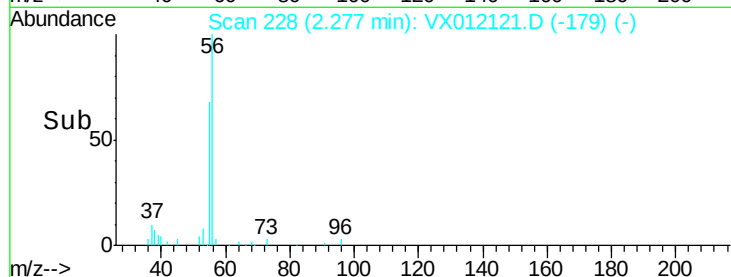
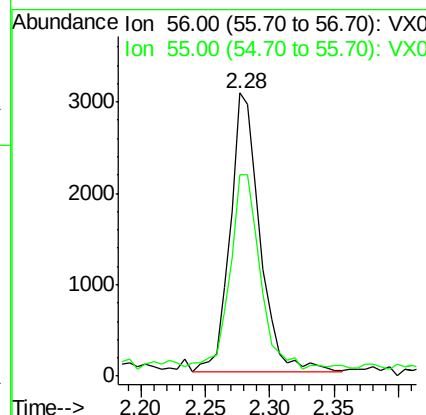
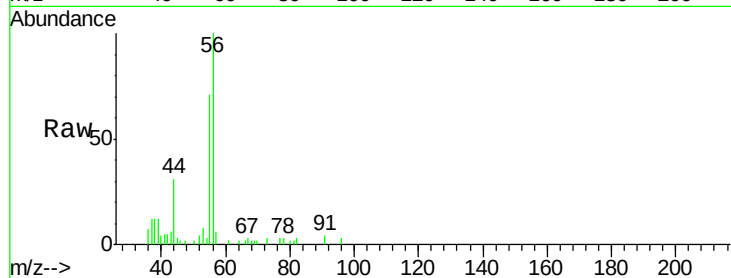
#13
Acrolein
Concen: 113.844 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.9	59.2	88.8

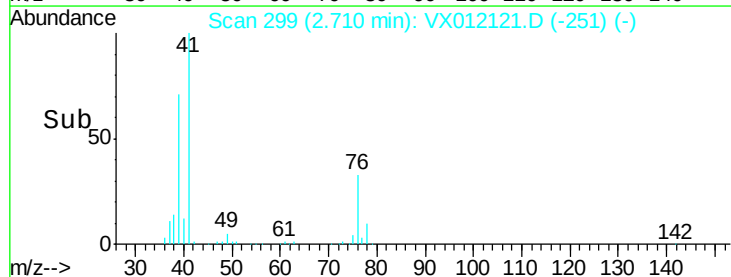
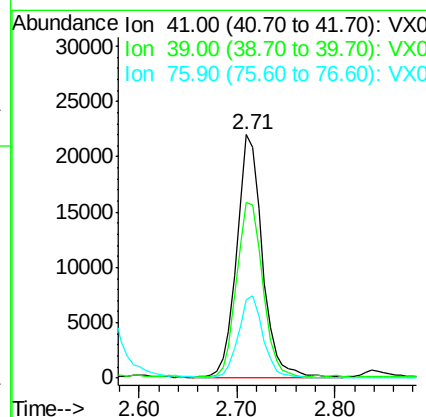
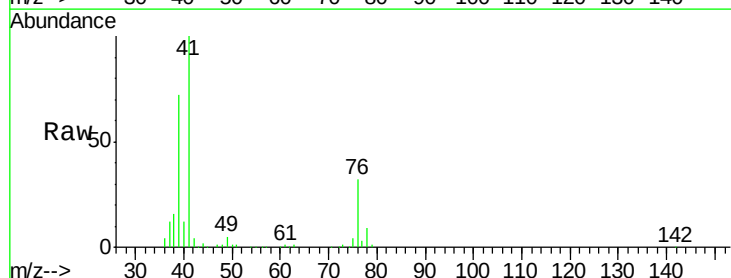
Manual Integrations
APPROVED

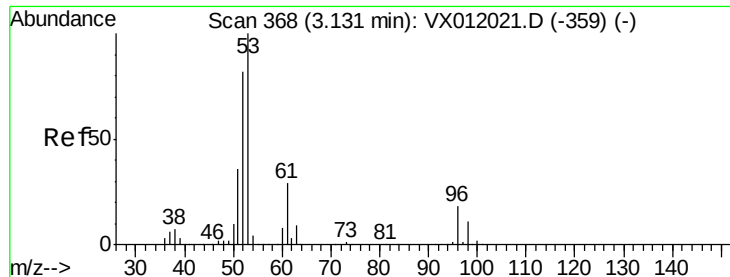
MMDadoda
9/6/2019 12:31:52 PM



#14
Allyl chloride
Concen: 20.160 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.4	57.9	86.9
76	33.0	28.5	42.7





#15

Acrylonitrile

Concen: 109.356 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

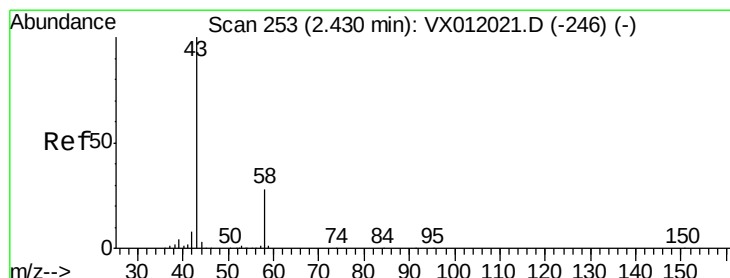
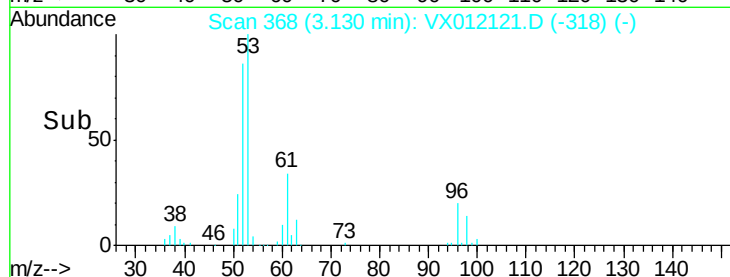
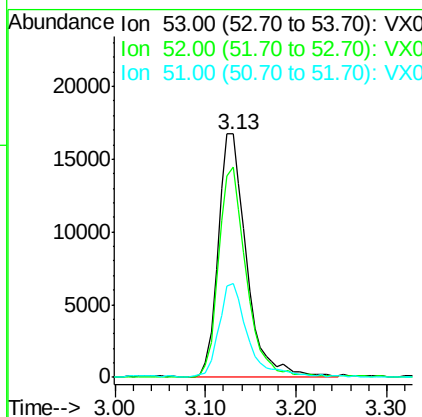
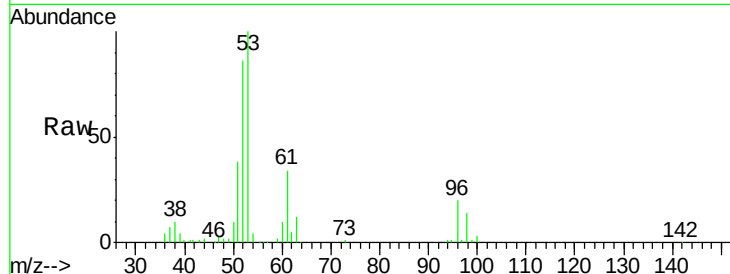
ClientSampleId :

VX0905SBS02

Tot Ion:	53	Resp:	36515
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.6	98.4
51	39.3	29.8	44.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#16

Acetone

Concen: 91.366 ug/l

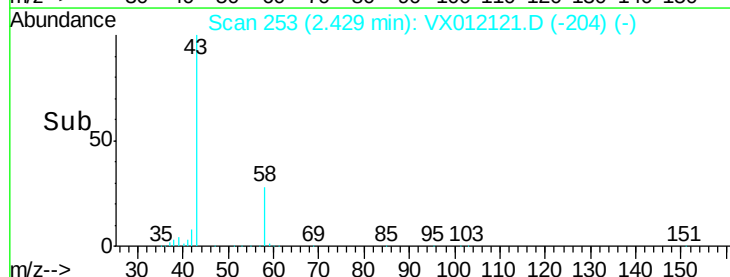
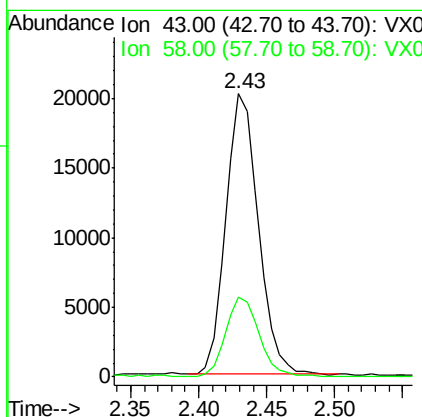
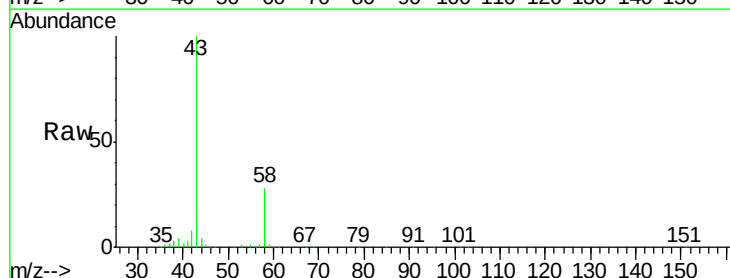
RT: 2.43 min Scan# 253

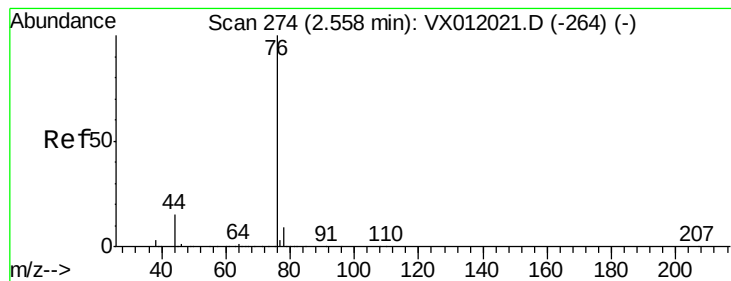
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	43	Resp:	33574
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.8	34.2





#17

Carbon Disulfide

Concen: 15.752 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 76 Resp: 50508

Ion Ratio Lower Upper

76 100

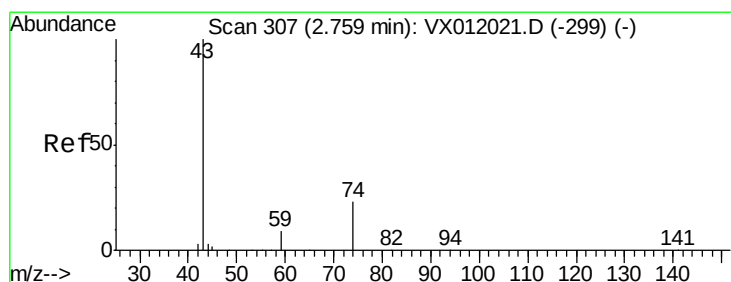
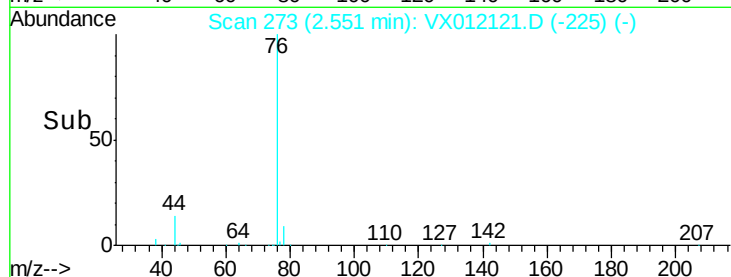
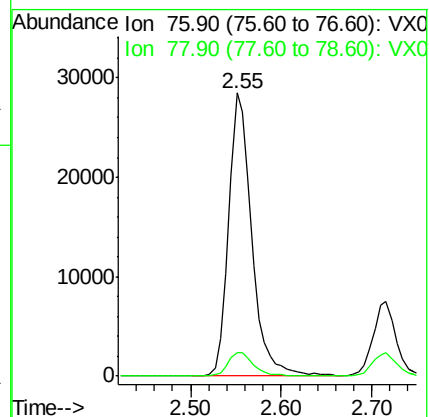
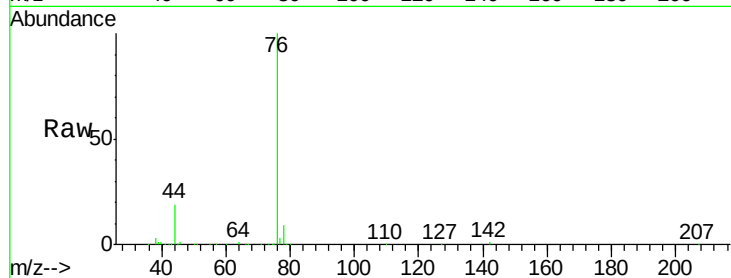
78 8.5 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#18

Methyl Acetate

Concen: 25.232 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012121.D

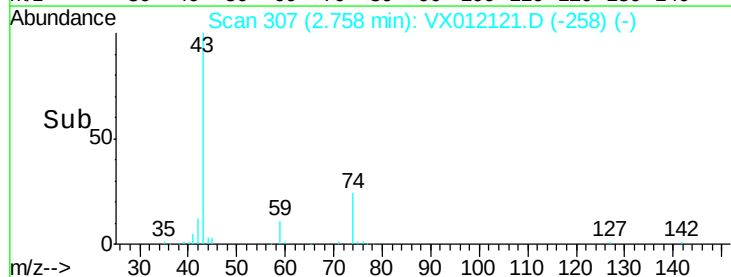
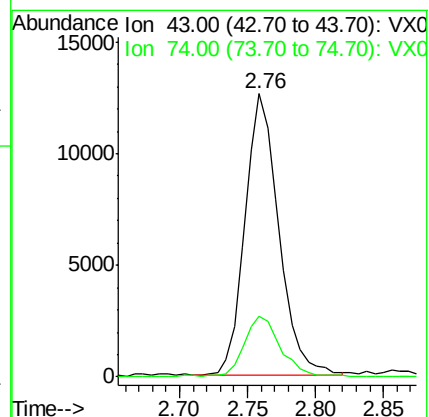
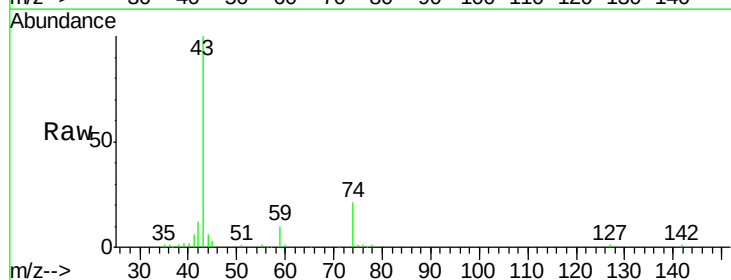
Acq: 06 Sep 2019 01:56

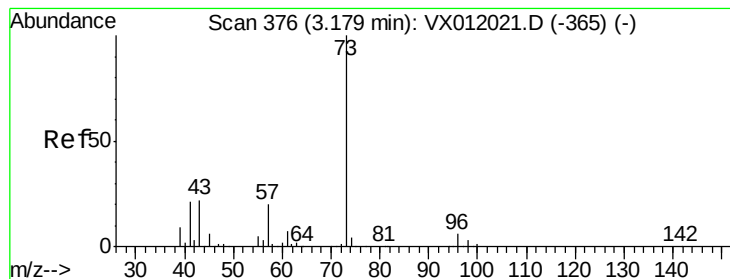
Tgt Ion: 43 Resp: 21842

Ion Ratio Lower Upper

43 100

74 23.2 19.5 29.3





#19

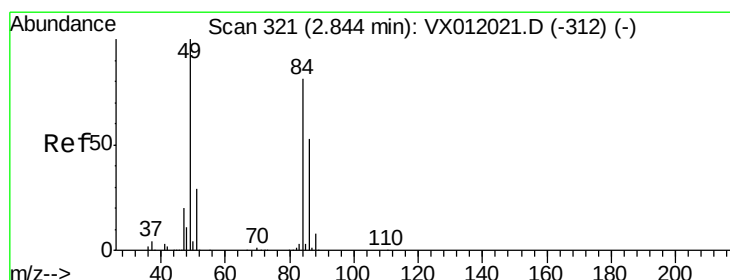
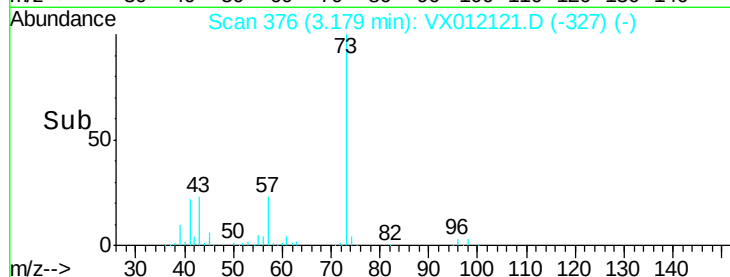
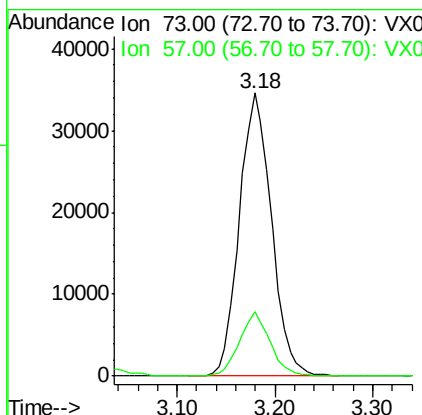
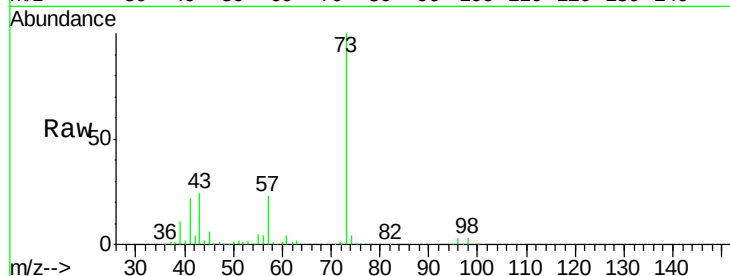
Methyl tert-butyl Ether
 Concen: 22.087 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	16.6	25.0

Manual Integrations
 APPROVED

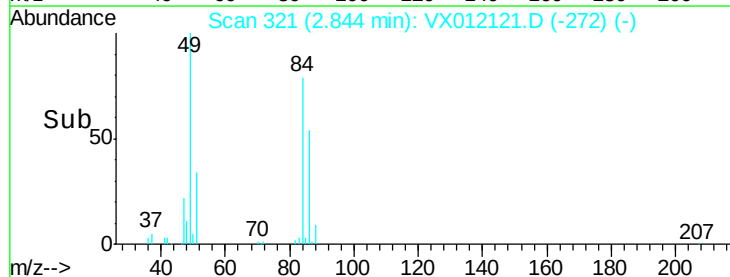
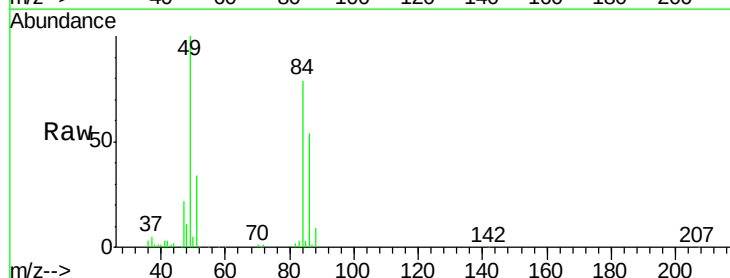
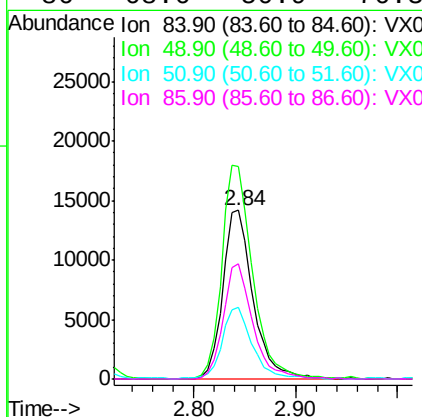
MMDadoda
 9/6/2019 12:31:52 PM

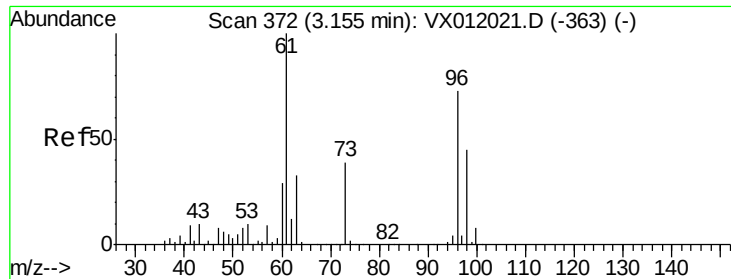


#20

Methylene Chloride
 Concen: 19.671 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	95.8	143.8
51	42.3	28.6	43.0
86	68.6	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 18.337 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBSD02

Tot Ion: 96 Resp: 23608

Ion Ratio Lower Upper

96 100

61 148.9 107.0 160.6

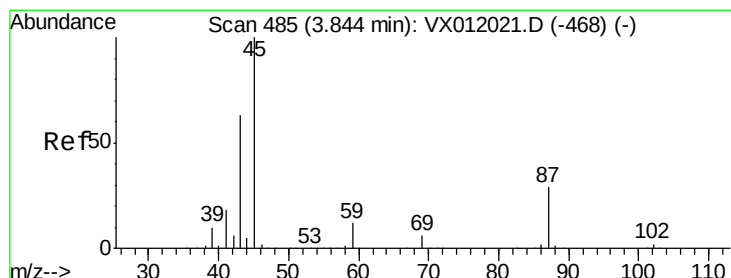
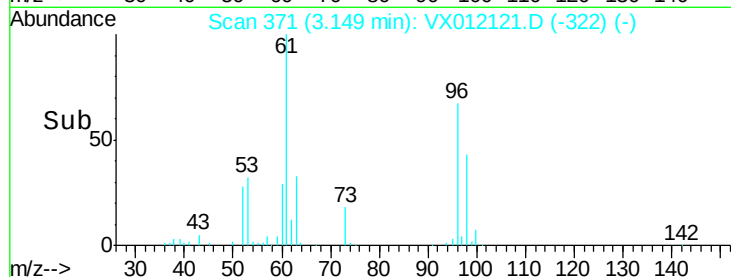
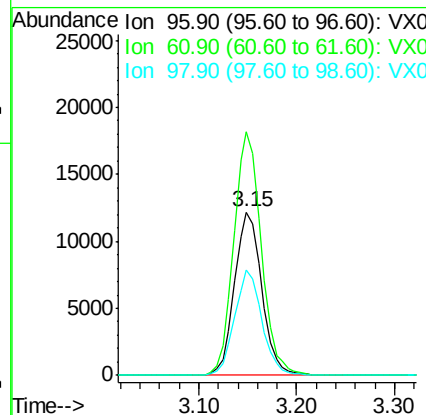
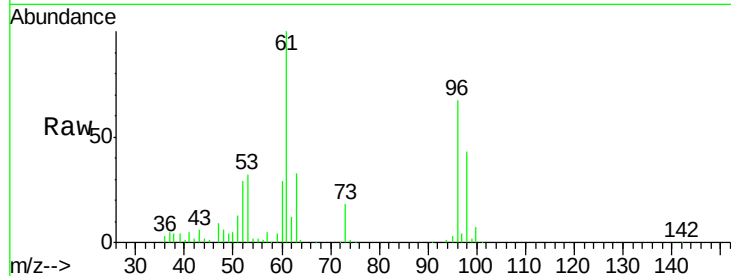
98 64.6 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#22

Diisopropyl ether

Concen: 22.169 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion: 45 Resp: 89706

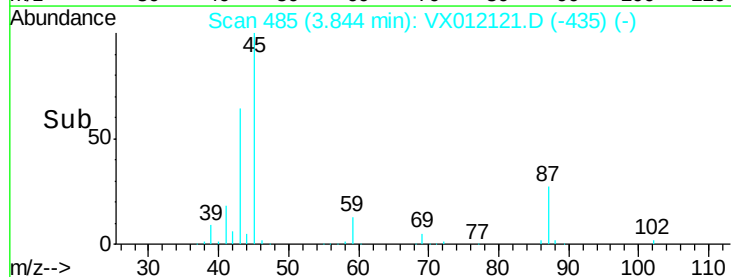
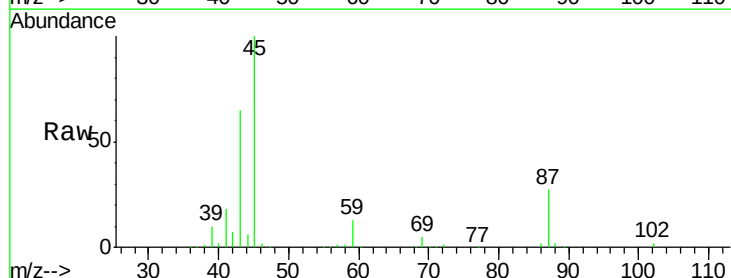
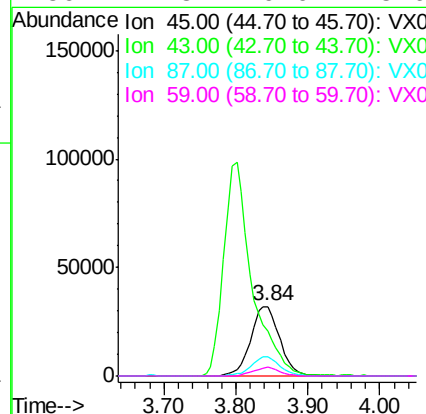
Ion Ratio Lower Upper

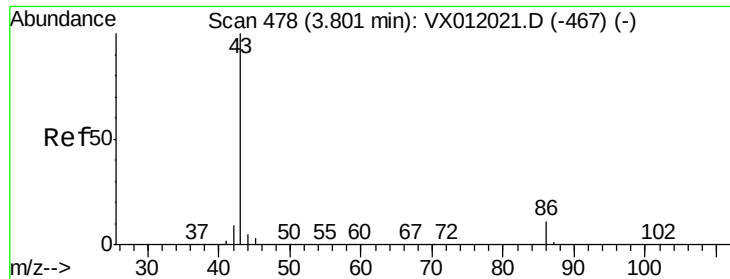
45 100

43 64.3 54.2 81.4

87 27.3 23.4 35.0

59 12.8 9.0 13.6





#23

Vinyl Acetate

Concen: 103.432 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 43 Resp: 270744

Ion Ratio Lower Upper

43 100

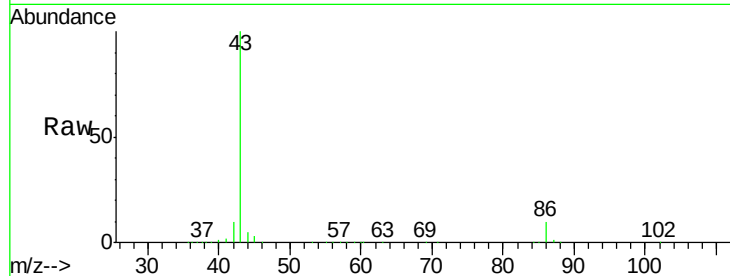
86 10.0 9.0 13.6

Manual Integrations

APPROVED

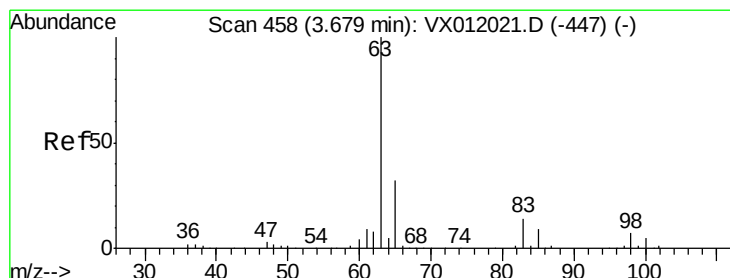
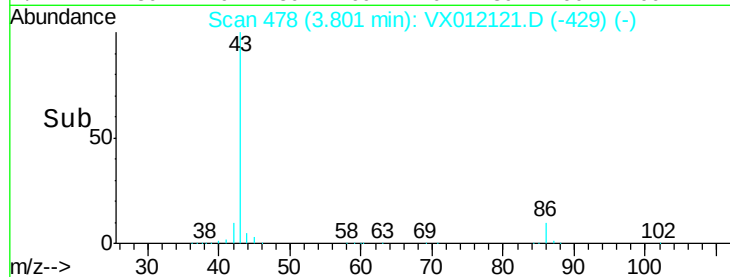
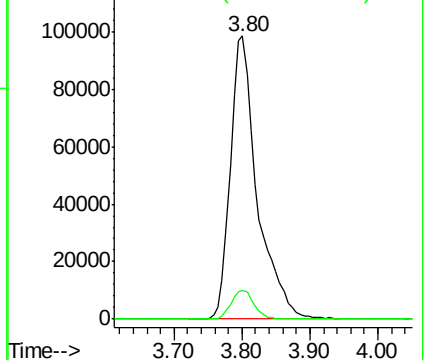
MMDadoda

9/6/2019 12:31:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.884 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

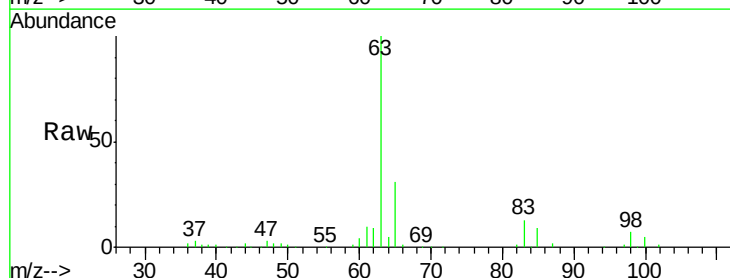
Tgt Ion: 63 Resp: 49011

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

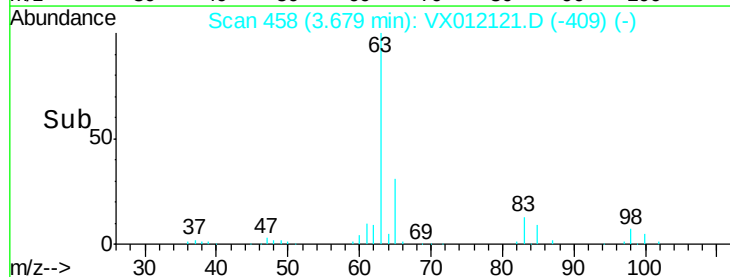
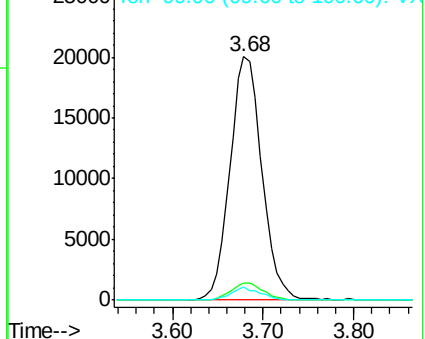
100 5.3 2.5 7.4

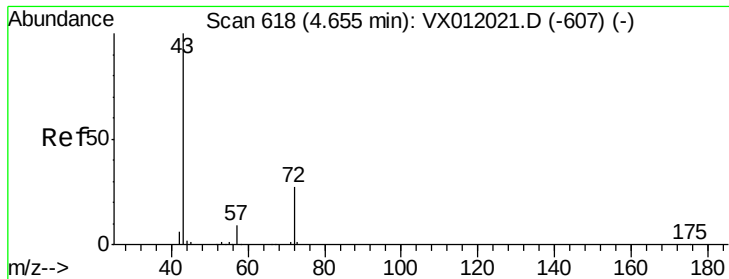


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 107.105 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 43 Resp: 50099

Ion Ratio Lower Upper

43 100

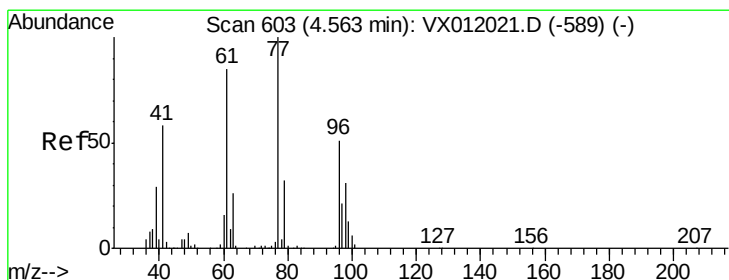
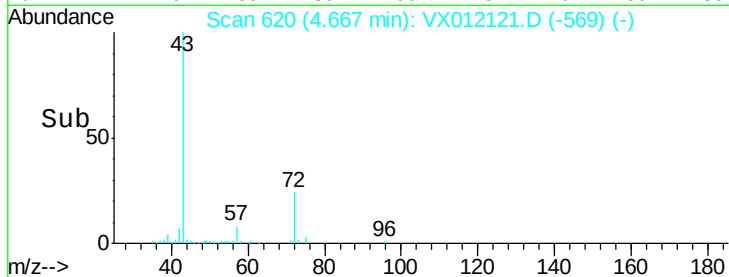
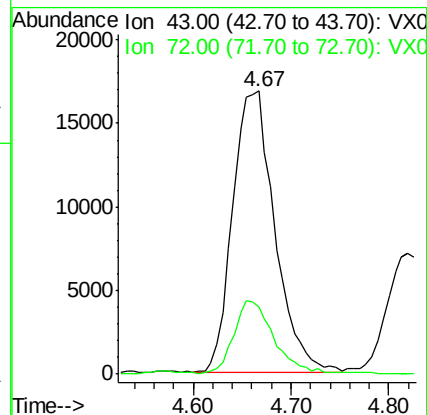
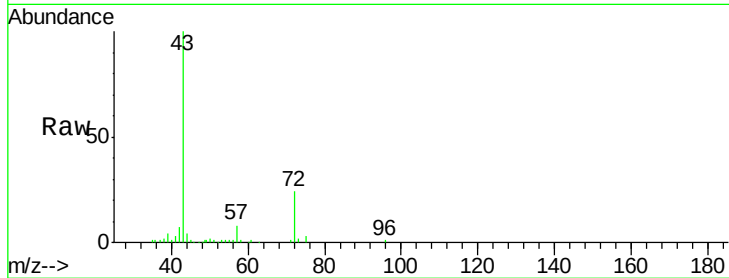
72 23.5 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#26

2,2-Dichloropropane

Concen: 16.515 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012121.D

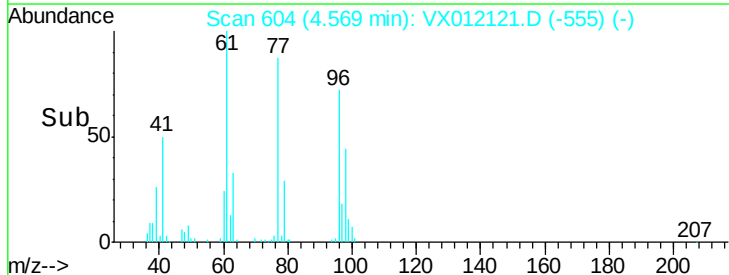
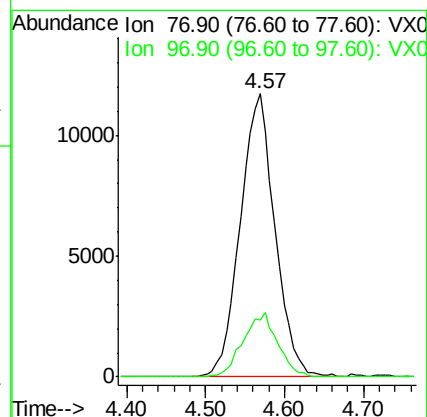
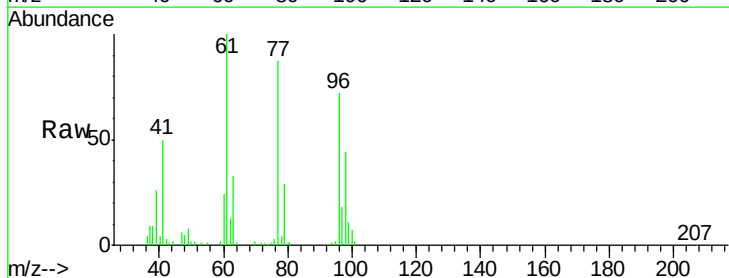
Acq: 06 Sep 2019 01:56

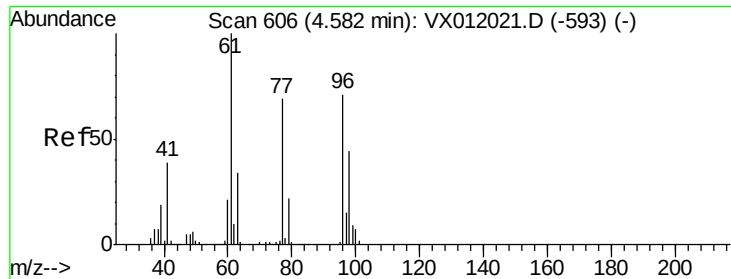
Tgt Ion: 77 Resp: 35783

Ion Ratio Lower Upper

77 100

97 22.4 11.5 34.5





#27

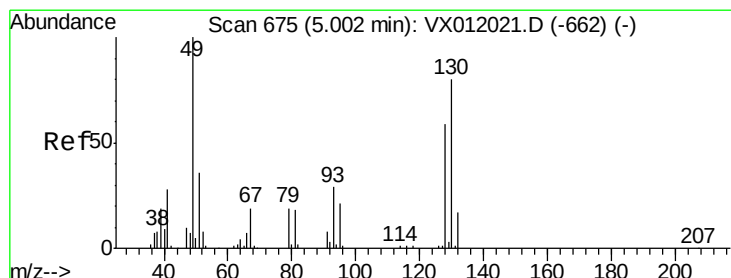
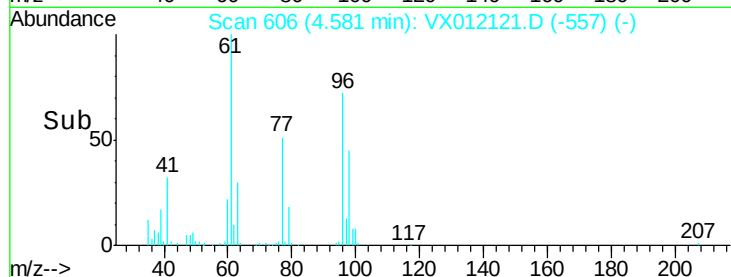
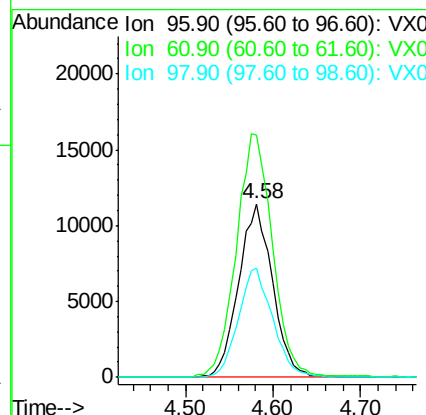
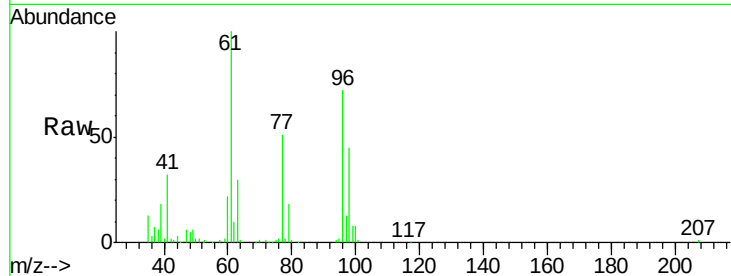
cis-1,2-Dichloroethene
Concen: 20.398 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	277.0
98	63.7	0.0	128.4

Manual Integrations
APPROVED

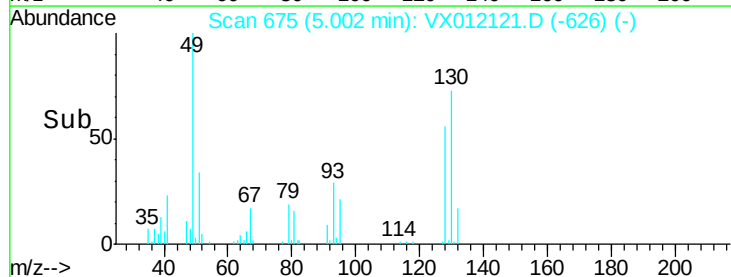
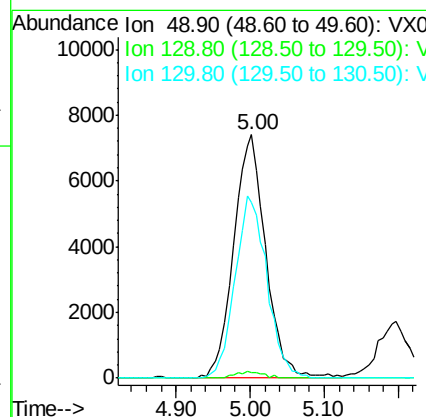
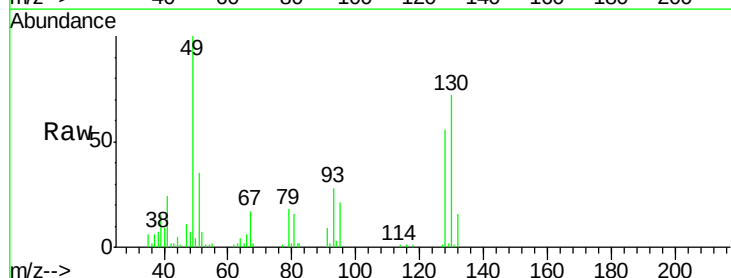
MMDadoda
9/6/2019 12:31:52 PM

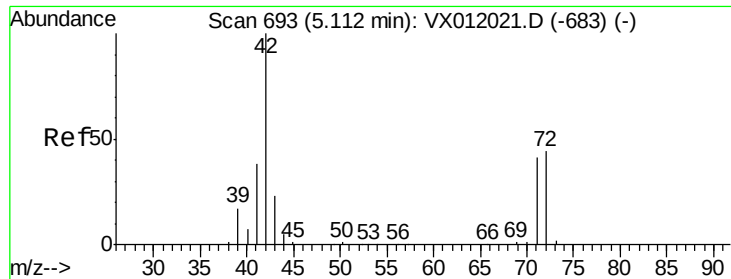


#28

Bromochloromethane
Concen: 23.818 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.6
130	74.4	76.7	115.1#





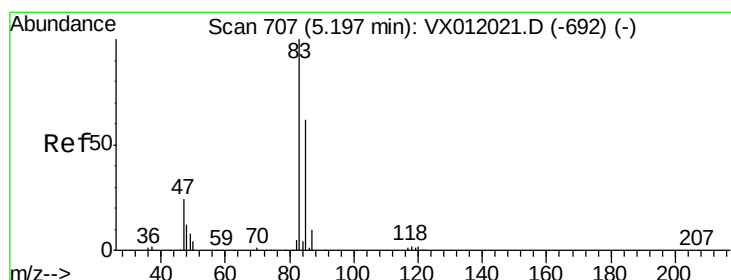
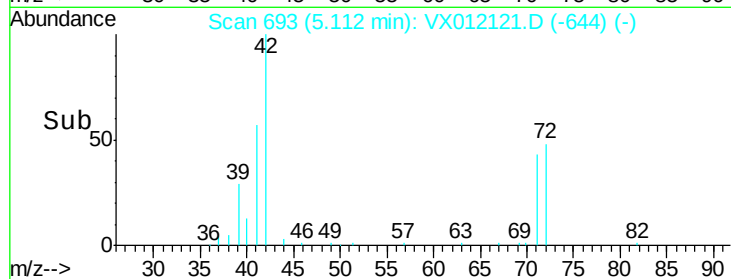
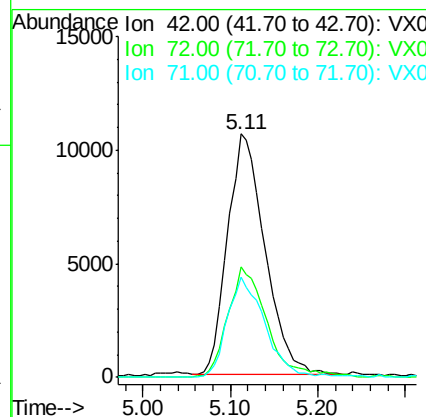
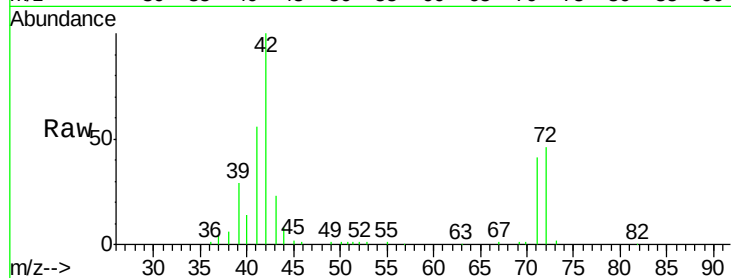
#29
Tetrahydrofuran
Concen: 111.613 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	37.0	55.4
71	41.5	33.8	50.8

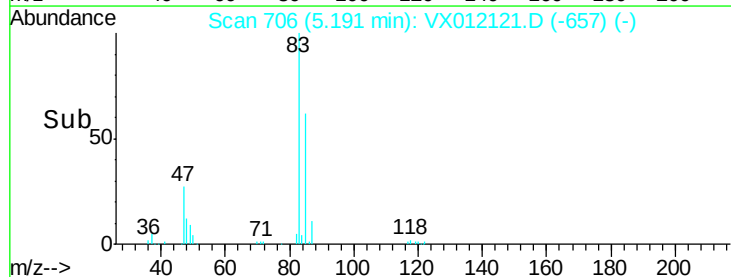
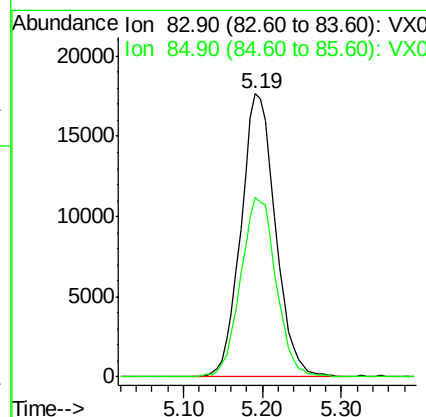
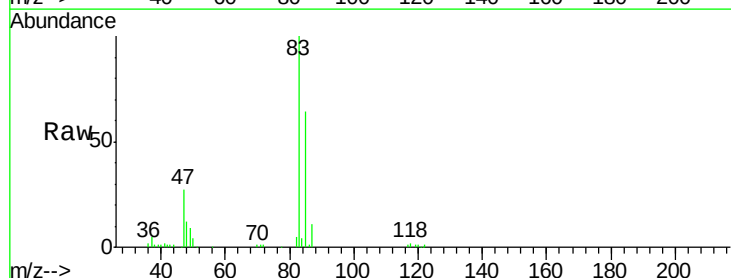
Manual Integrations
APPROVED

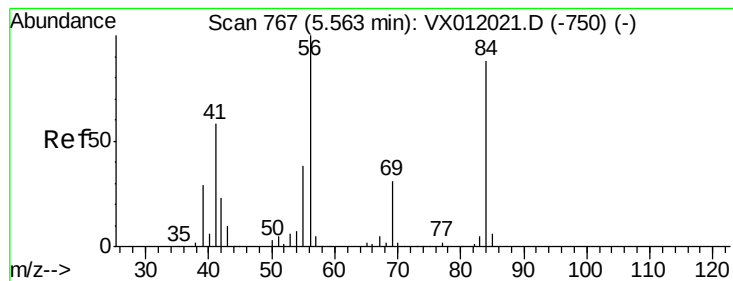
MMDadoda
9/6/2019 12:31:52 PM



#30
Chloroform
Concen: 21.311 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8





#31

Cyclohexane

Concen: 16.982 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

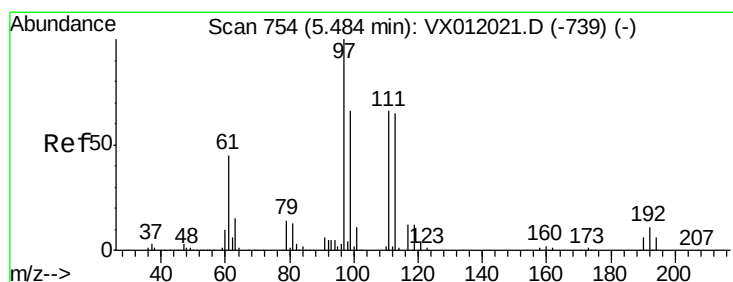
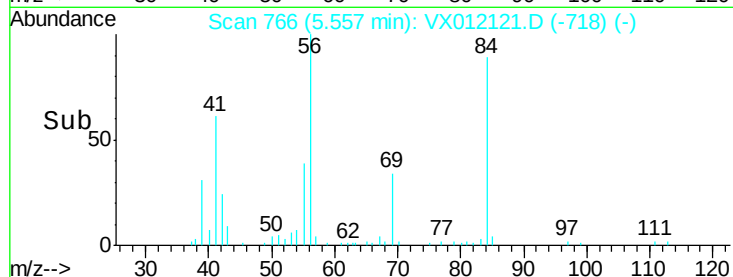
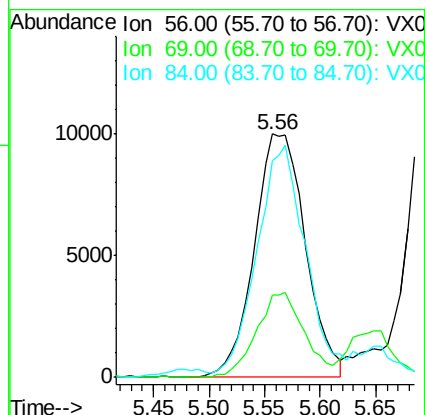
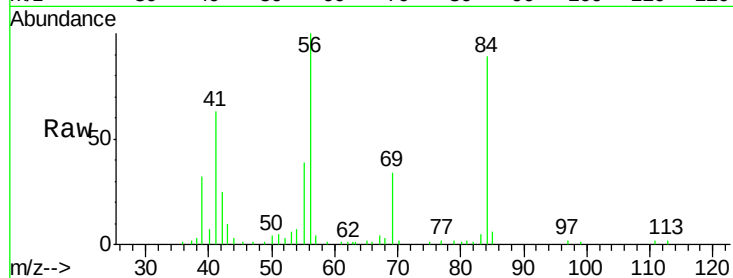
ClientSampled :

VX0905SBS02

Tot Ion:	56	Resp:	32007
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.7	38.5
84	85.8	70.3	105.5

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#32

1,1,1-Trichloroethane

Concen: 19.855 ug/l

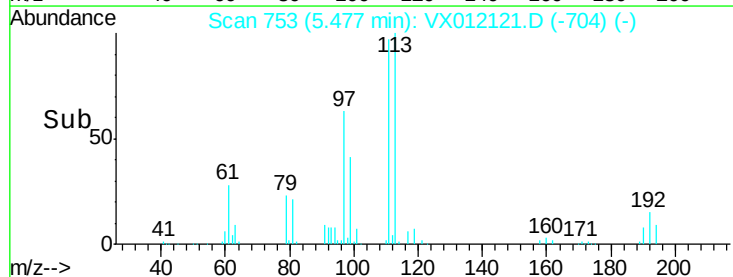
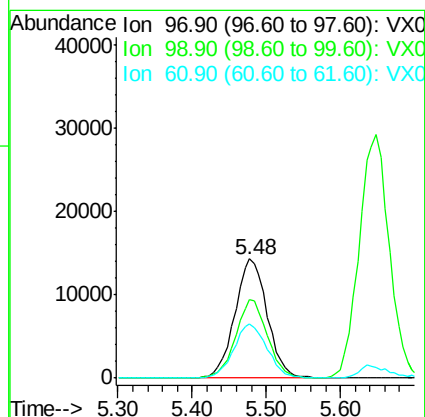
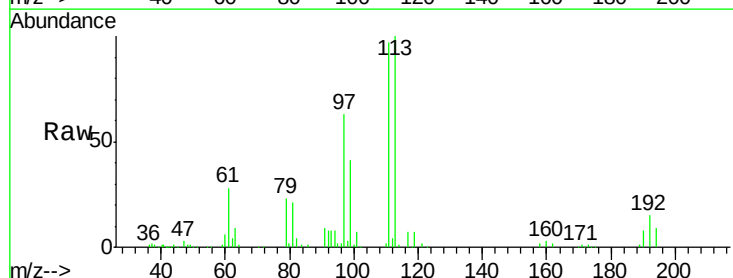
RT: 5.48 min Scan# 753

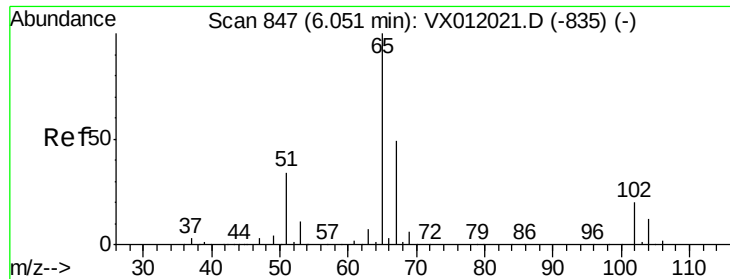
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	97	Resp:	43547
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	47.0	32.8	49.2





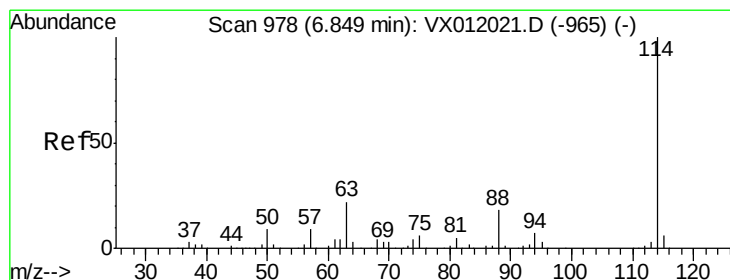
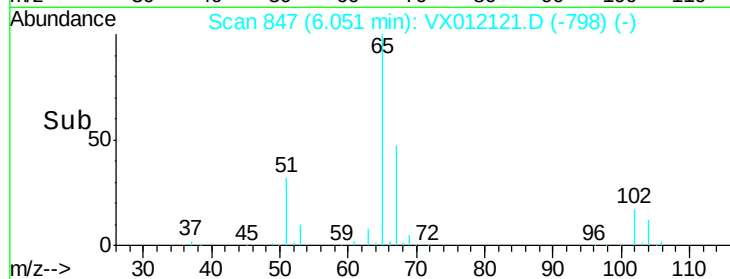
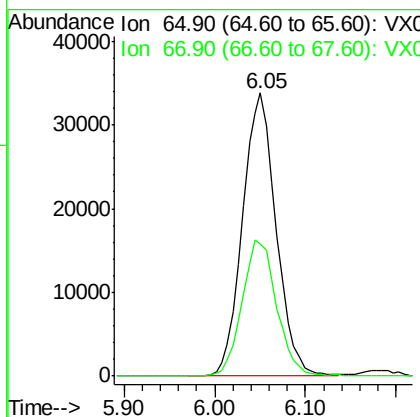
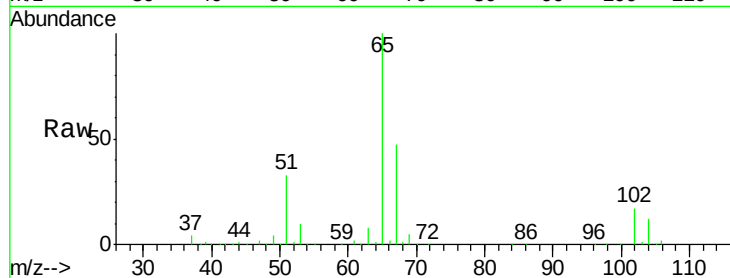
#33
 1,2-Dichloroethane-d4
 Concen: 56.333 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86605		
67	49.4	0.0	102.0	

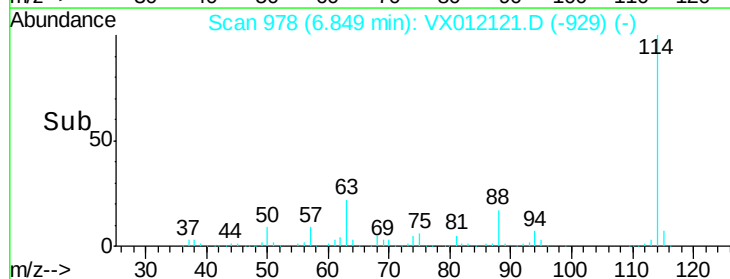
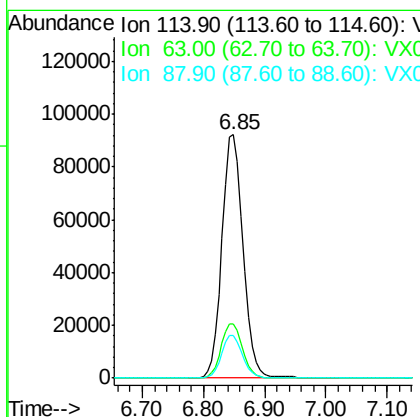
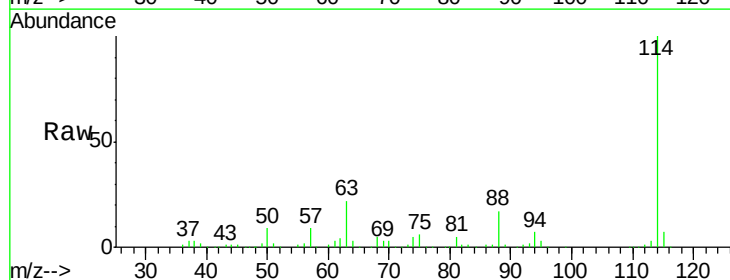
Manual Integrations
 APPROVED

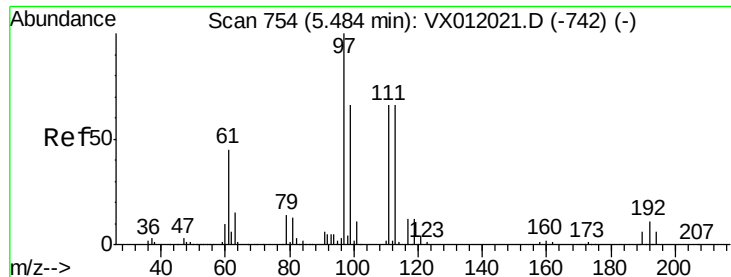
MMDadoda
 9/6/2019 12:31:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	221375		
63	22.1	0.0	37.4	
88	17.4	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.986 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

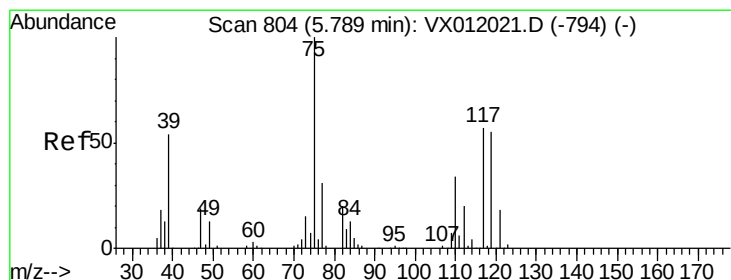
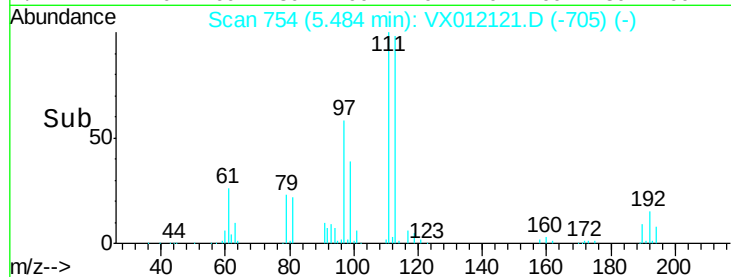
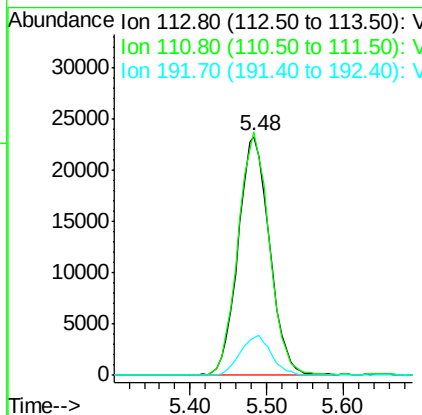
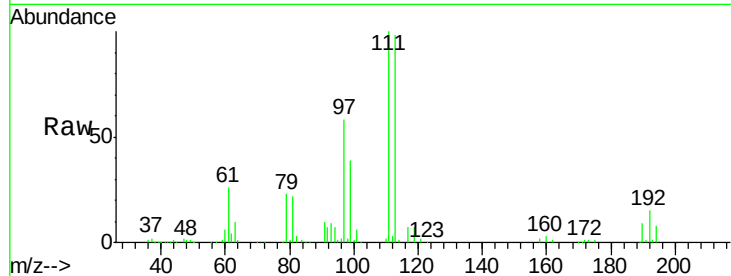
ClientSampleId :

VX0905SBS02

Tot Ion:	113	Resp:	66689
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.7	122.5
192	16.5	22.5	33.7#

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#36

1,1-Dichloropropene

Concen: 16.711 ug/l

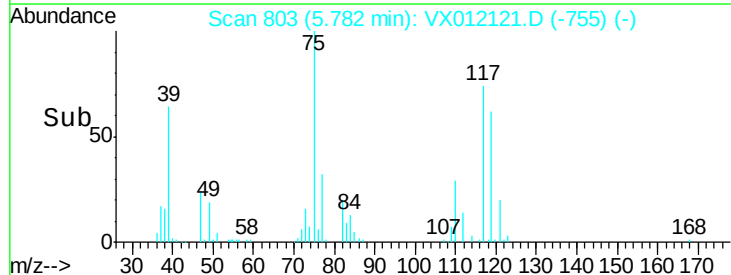
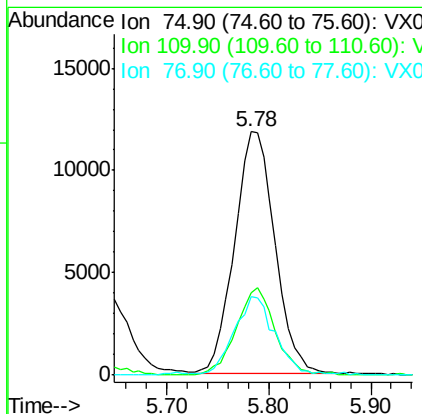
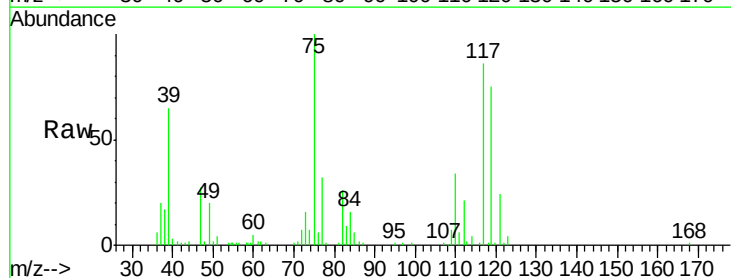
RT: 5.78 min Scan# 803

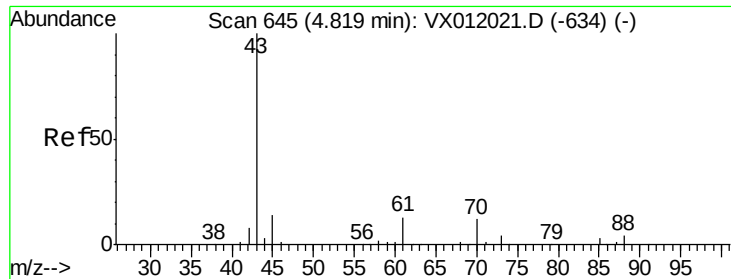
Delta R.T. -0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	75	Resp:	32583
Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.5	58.5
77	31.7	24.6	37.0





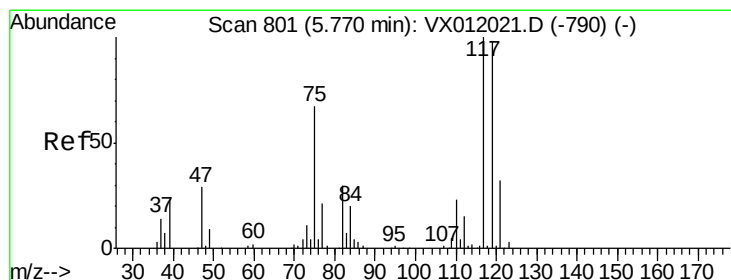
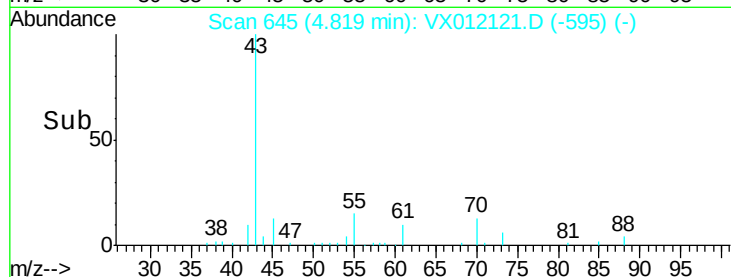
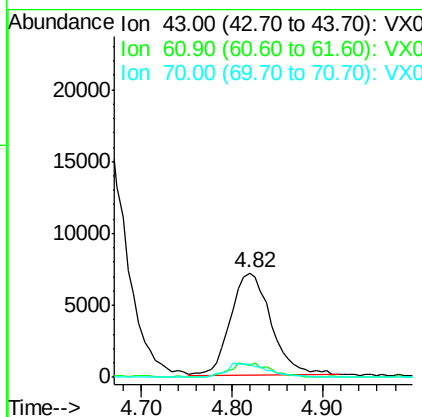
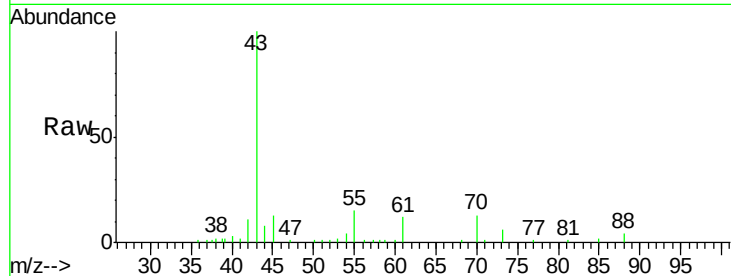
#37
Ethyl Acetate
Concen: 20.585 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	0.0	9.4	14.0

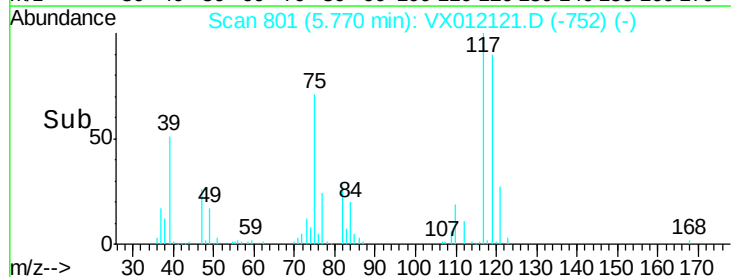
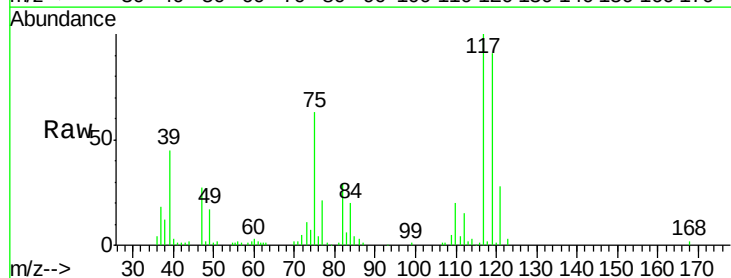
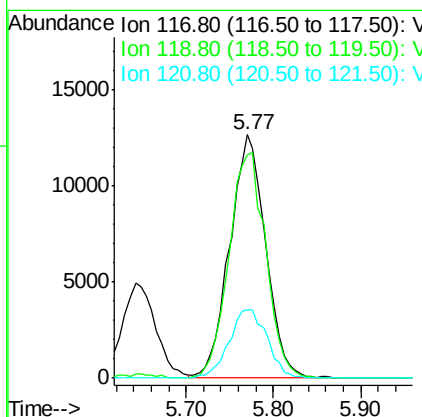
Manual Integrations
APPROVED

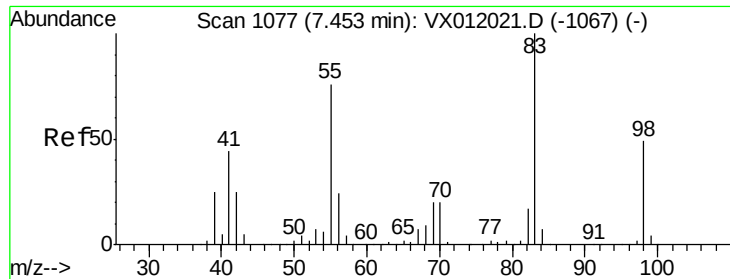
MMDadoda
9/6/2019 12:31:52 PM



#38
Carbon Tetrachloride
Concen: 17.601 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.3	117.5
121	27.9	24.2	36.2





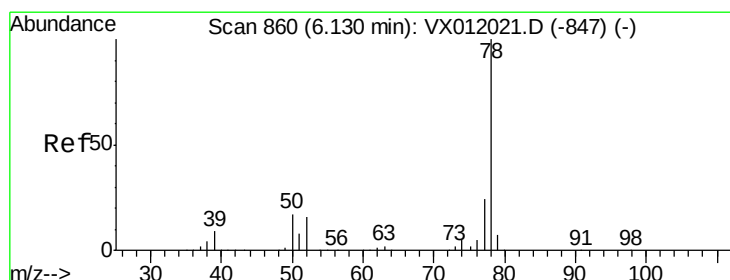
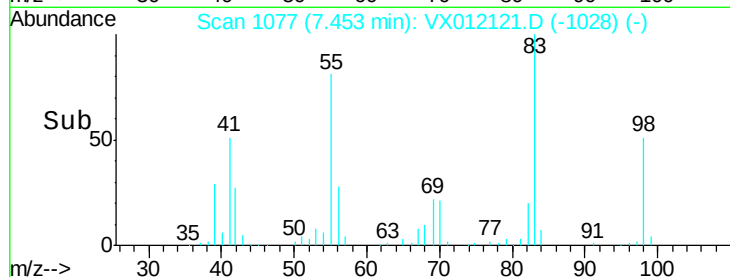
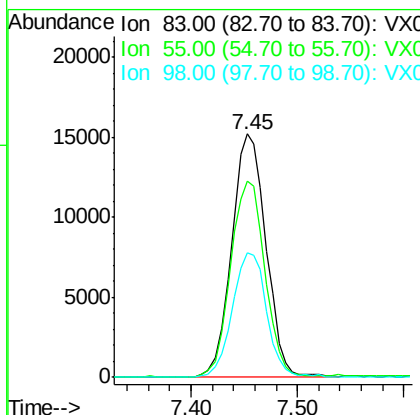
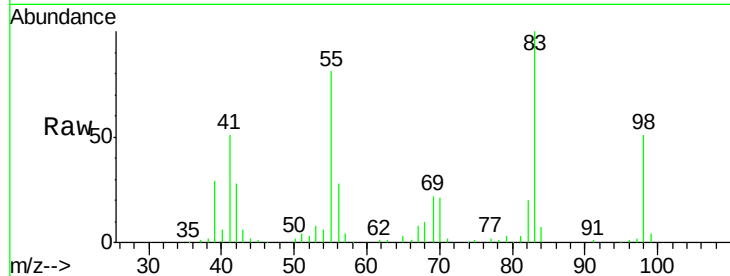
#39
Methylvlcyclohexane
Concen: 15.228 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	59.6	89.4
98	51.4	41.4	62.0

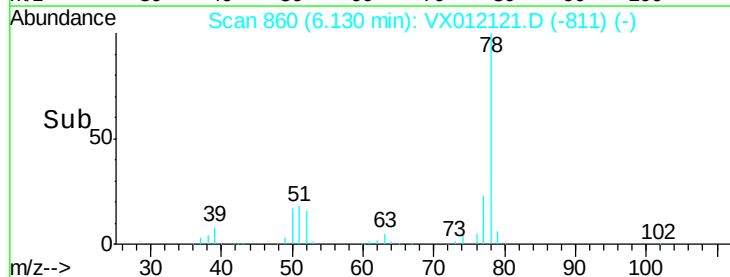
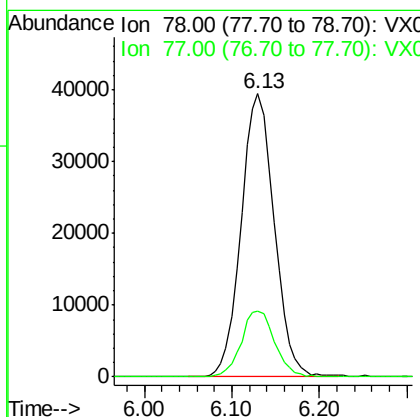
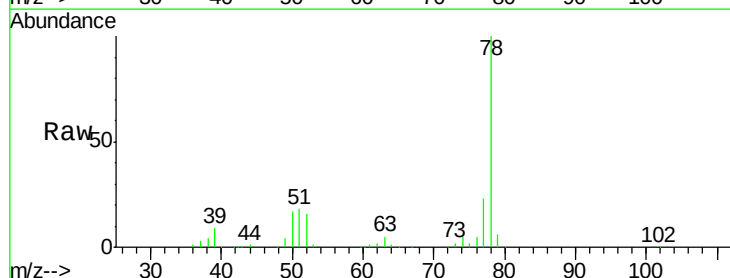
Manual Integrations
APPROVED

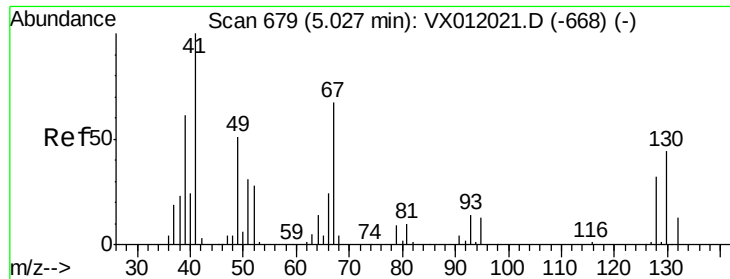
MMDadoda
9/6/2019 12:31:52 PM



#40
Benzene
Concen: 18.545 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





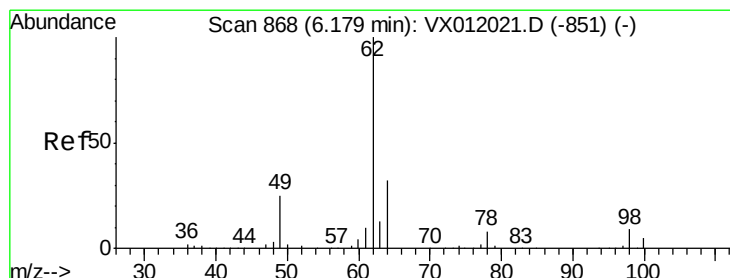
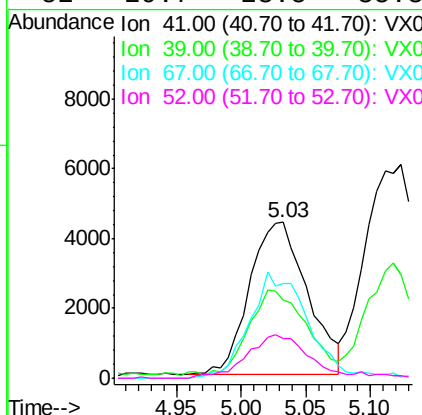
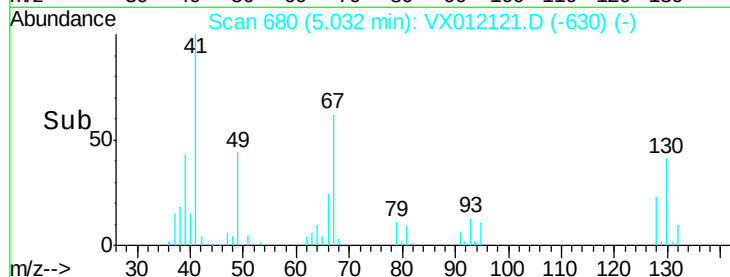
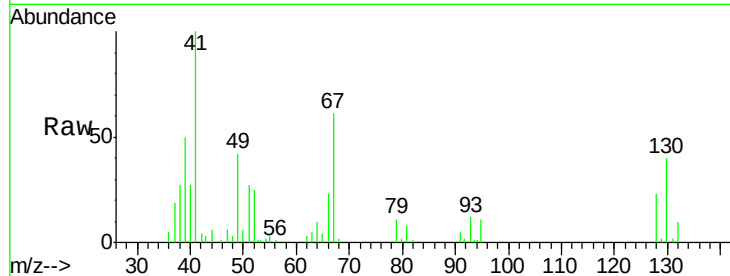
#41
Methacrylonitrile
Concen: 21.577 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion:	41	Resp:	13643
Ion	Ratio	Lower	Upper
41	100		
39	55.2	46.7	70.1
67	70.2	57.0	85.6
52	29.7	23.5	35.3

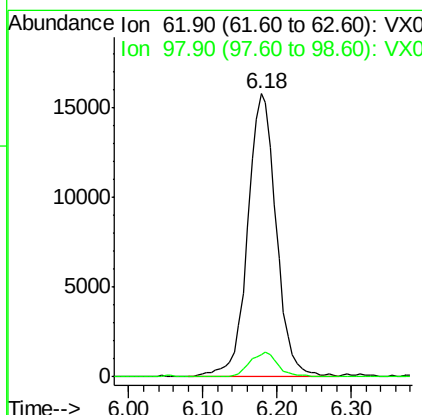
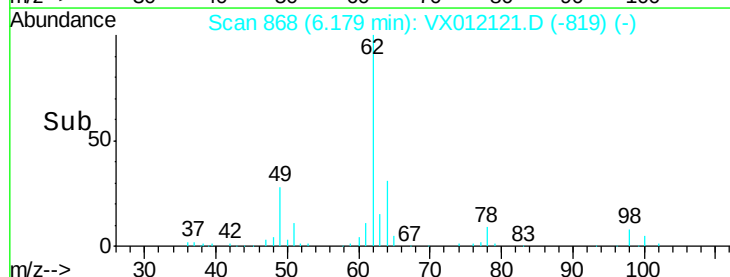
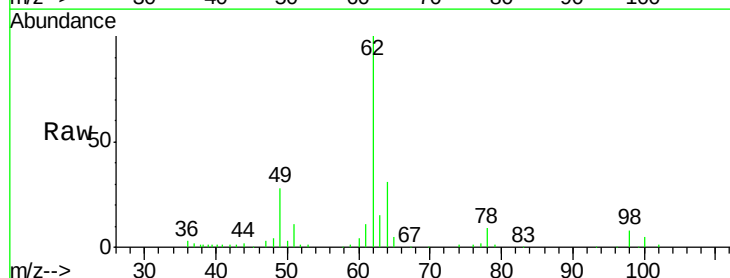
Manual Integrations
APPROVED

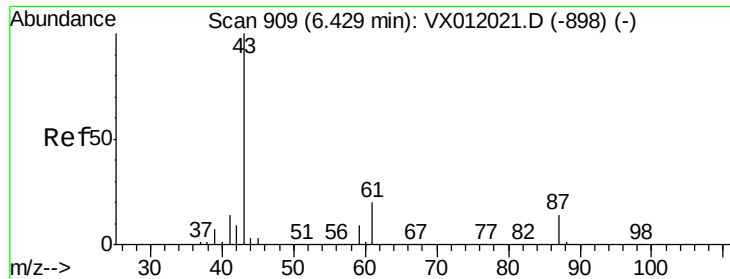
MMDadoda
9/6/2019 12:31:52 PM



#42
1,2-Dichloroethane
Concen: 21.098 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion:	62	Resp:	42497
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 21.374 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

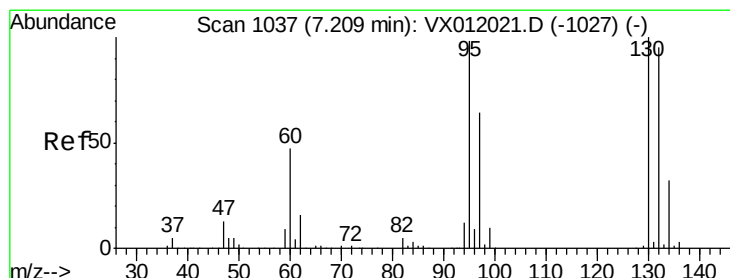
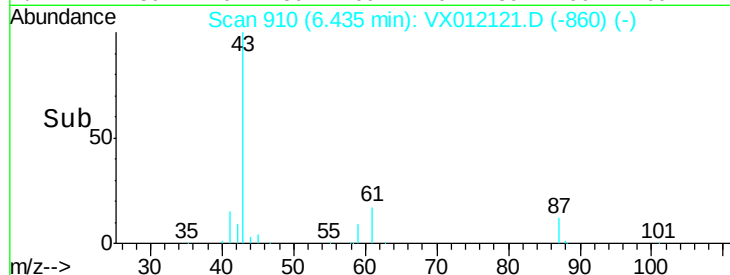
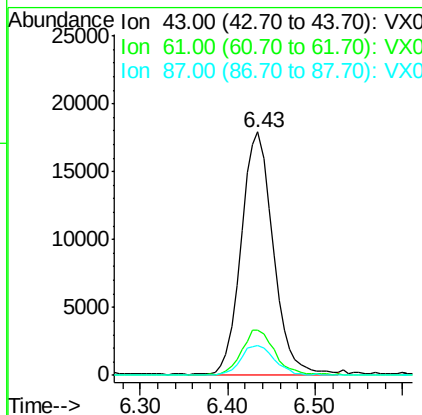
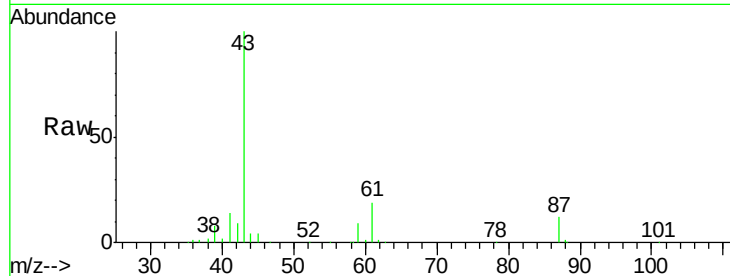
ClientSampleId :

VX0905SBS02

Tot Ion:	43	Resp:	46079
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	12.9	11.3	16.9

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#44

Trichloroethene

Concen: 18.045 ug/l

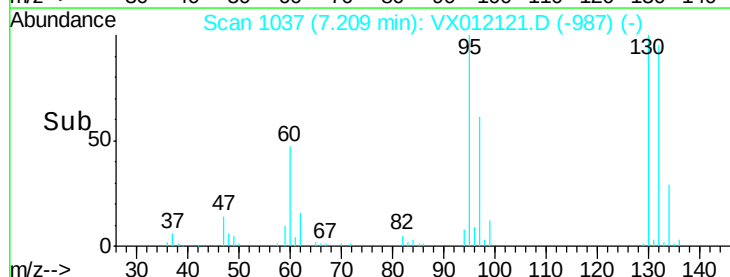
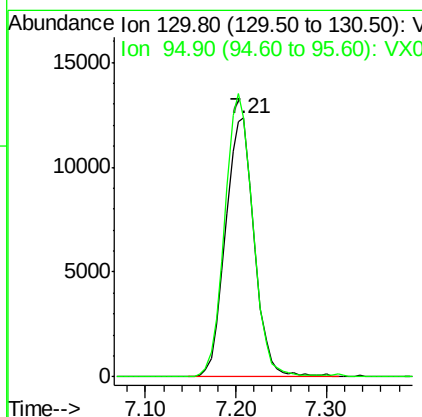
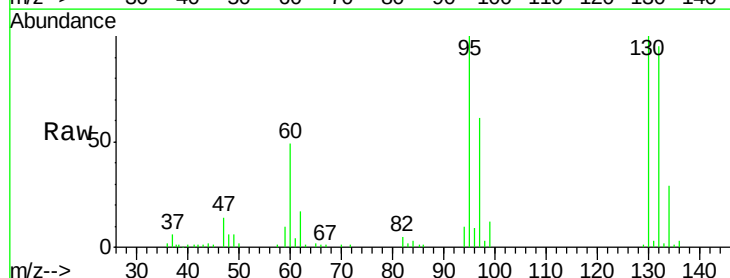
RT: 7.21 min Scan# 1037

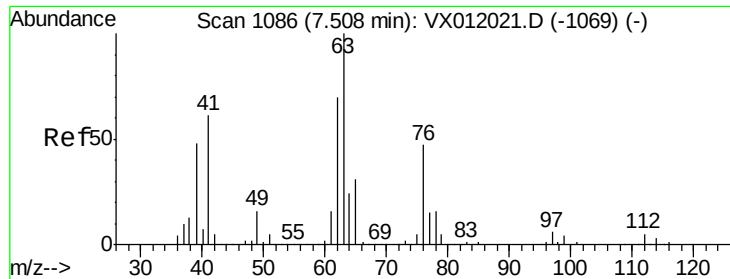
Delta R.T. 0.01 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	130	Resp:	27243
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	176.4





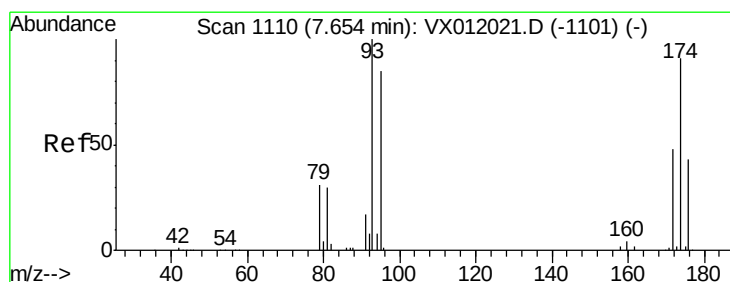
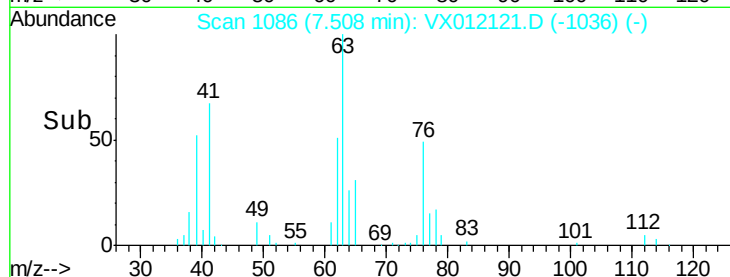
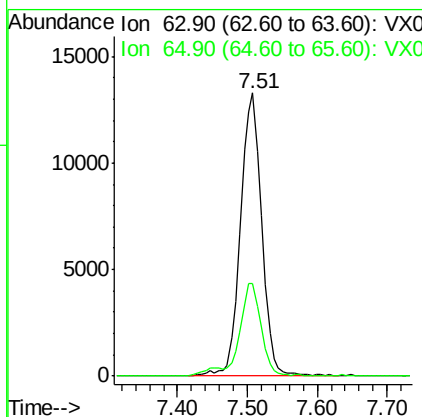
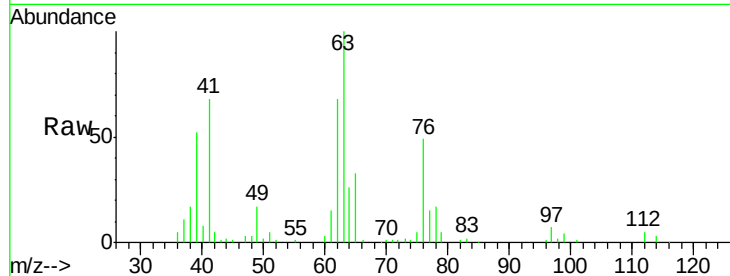
#45
 1,2-Dichloropropane
 Concen: 19.376 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.0	37.6

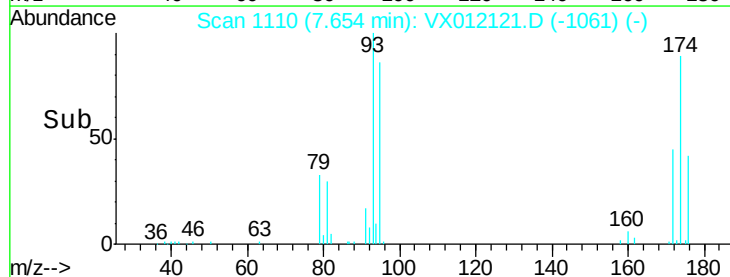
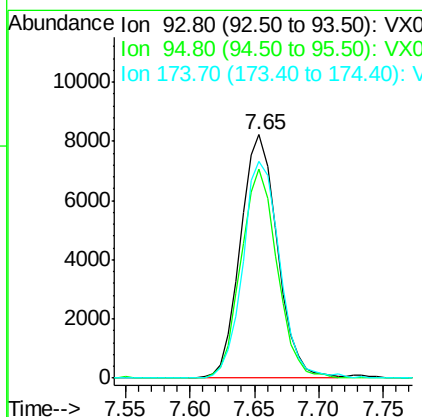
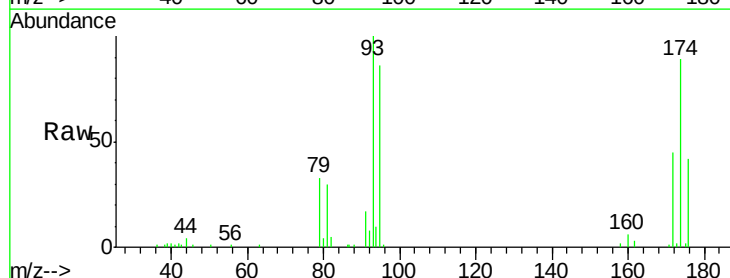
Manual Integrations
 APPROVED

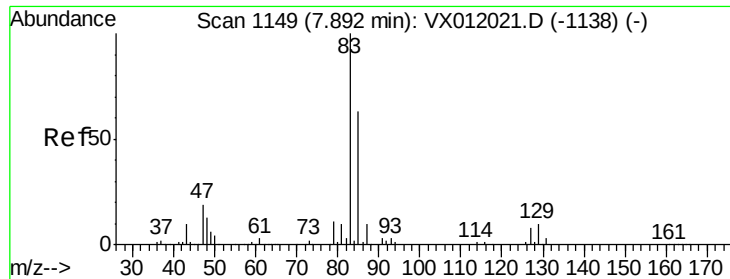
MMDadoda
 9/6/2019 12:31:52 PM



#46
 Dibromomethane
 Concen: 19.380 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.2	99.2
174	88.6	110.2	165.4#





#47

Bromodichloromethane

Concen: 19.607 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

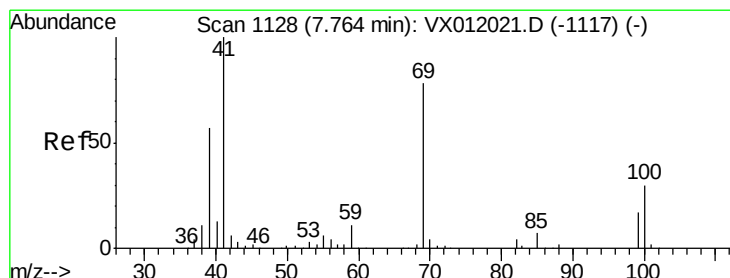
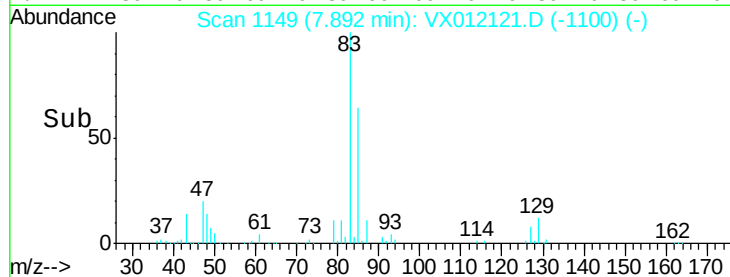
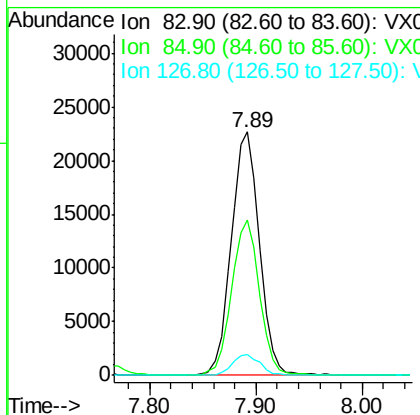
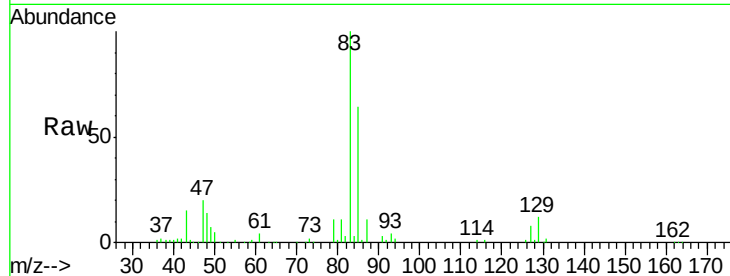
ClientSampleId :

VX0905SBS02

Tot Ion:	83	Resp:	42075
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	8.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#48

Methyl methacrylate

Concen: 20.528 ug/l

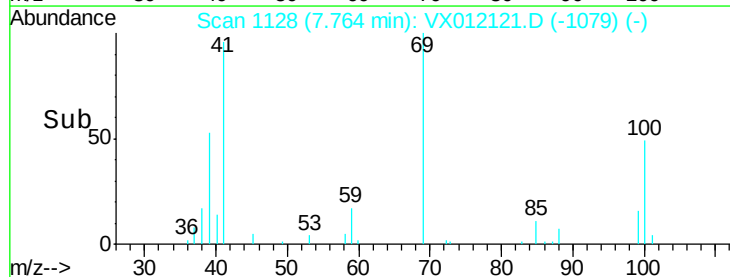
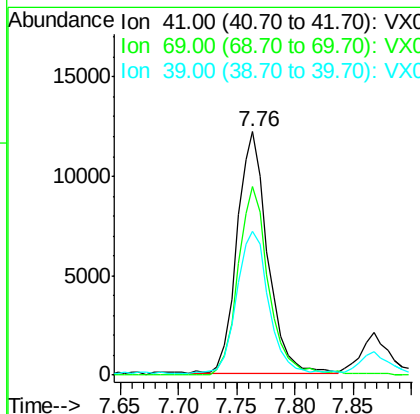
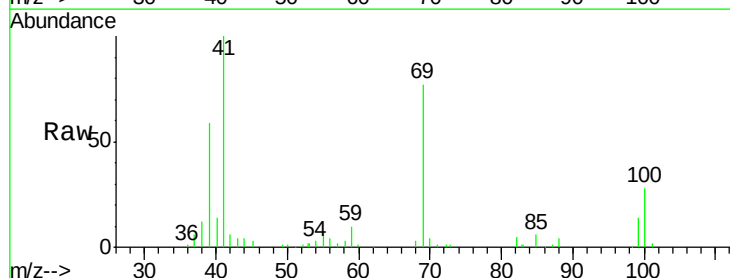
RT: 7.76 min Scan# 1128

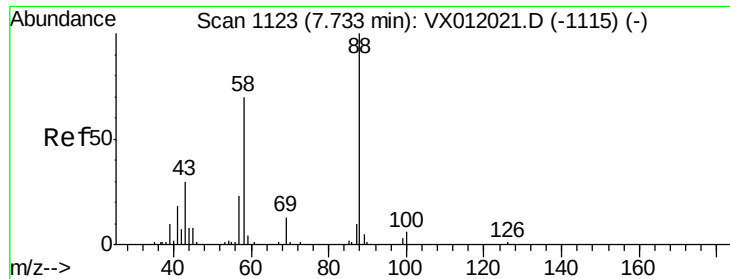
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	41	Resp:	22252
Ion	Ratio	Lower	Upper
41	100		
69	78.6	66.3	99.5
39	62.4	48.1	72.1





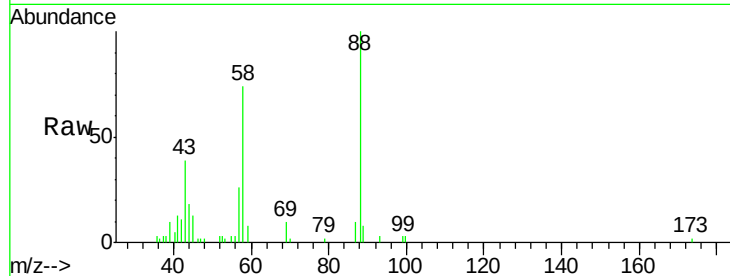
#49
1,4-Dioxane
Concen: 410.164 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

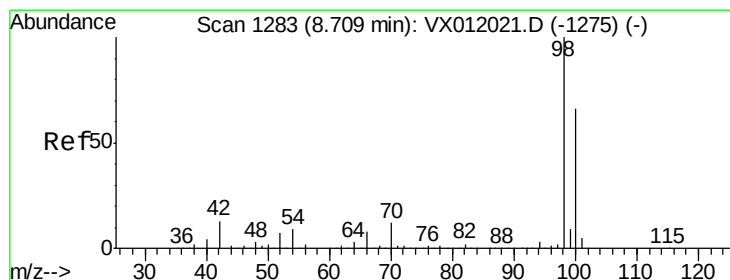
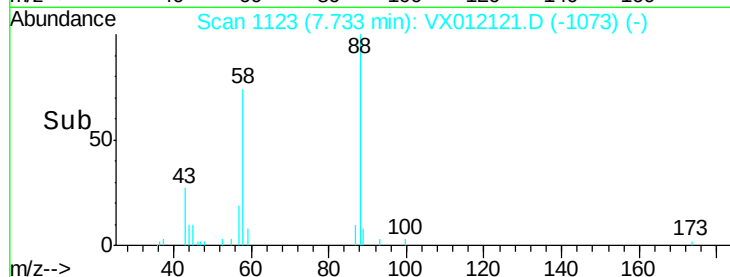
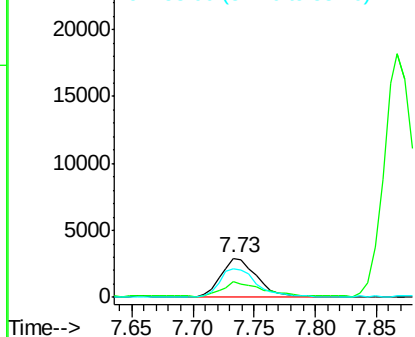
Tot Ion	Ratio	Resp	Lower	Upper
88	100	6061		
43	40.6		29.8	44.6
58	76.2		55.4	83.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM

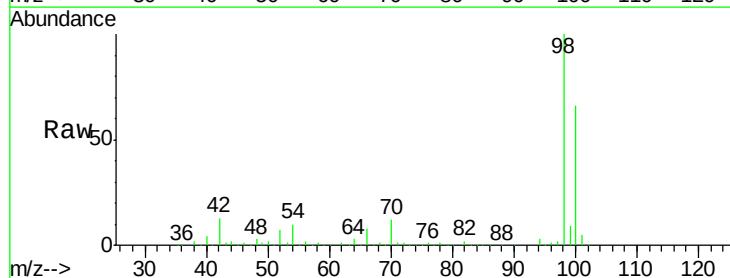


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

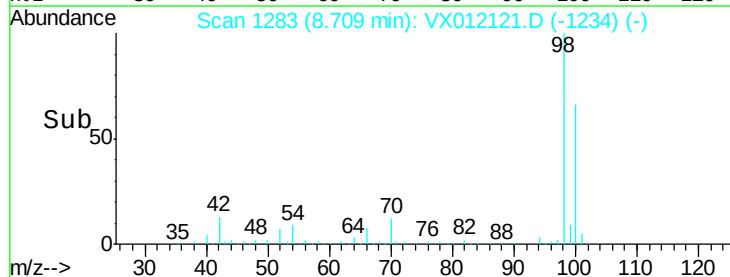
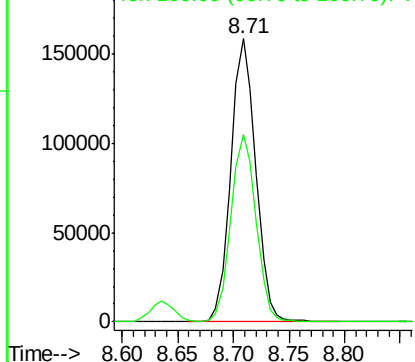


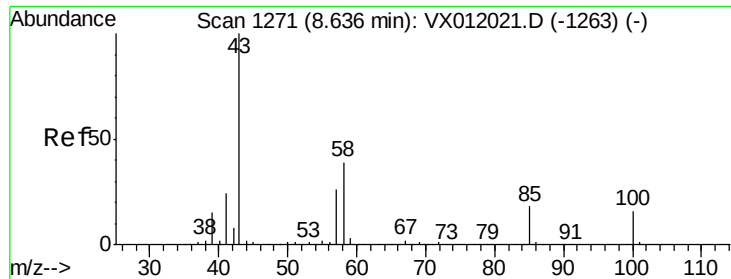
#50
Toluene-d8
Concen: 49.235 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	245961		
100	66.4		53.3	79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





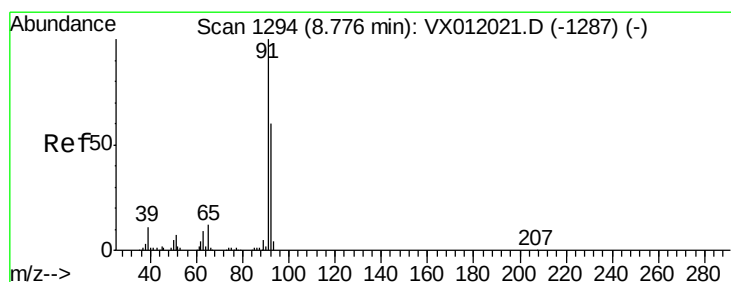
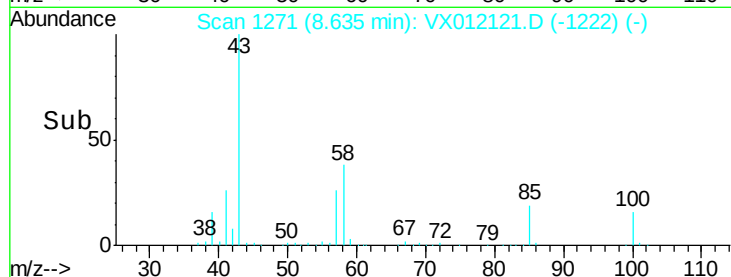
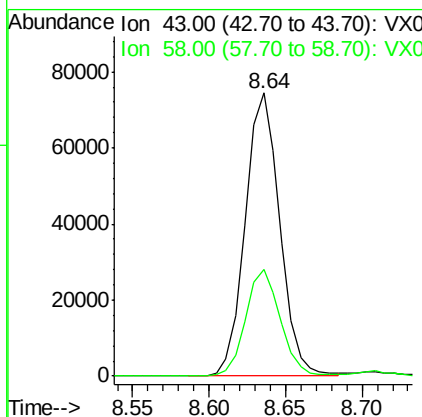
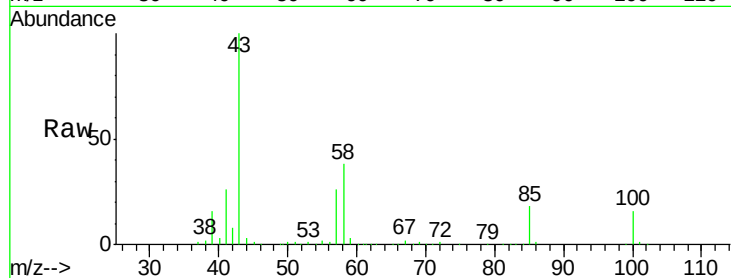
#51
4-Methyl-2-Pentanone
Concen: 106.345 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.5	47.3

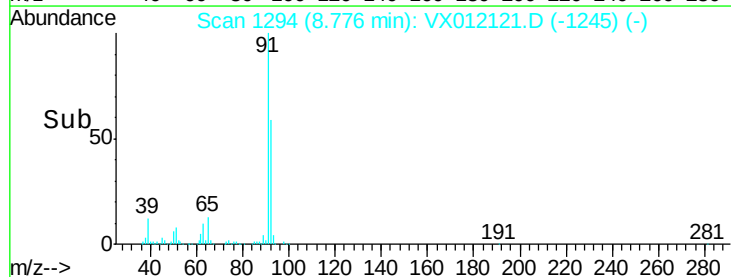
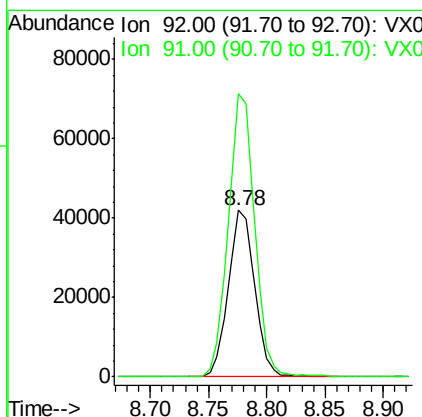
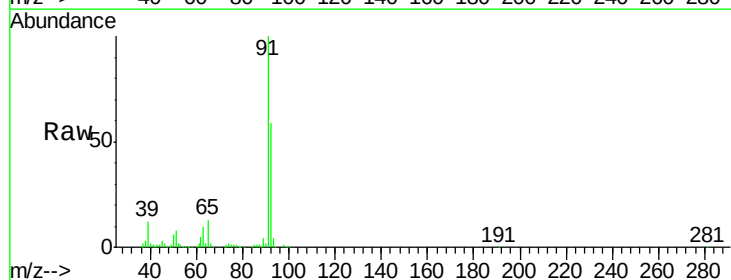
Manual Integrations
APPROVED

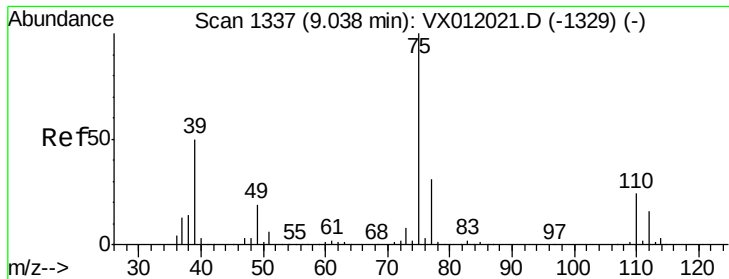
MMDadoda
9/6/2019 12:31:52 PM



#52
Toluene
Concen: 18.255 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.0	204.0





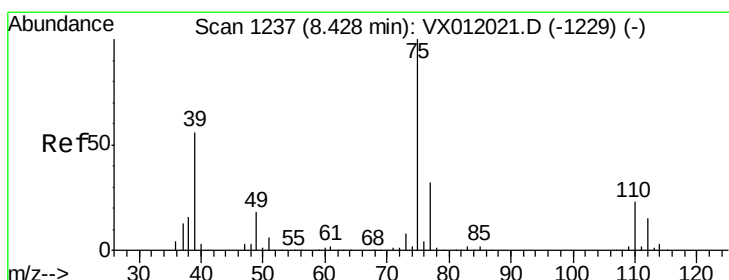
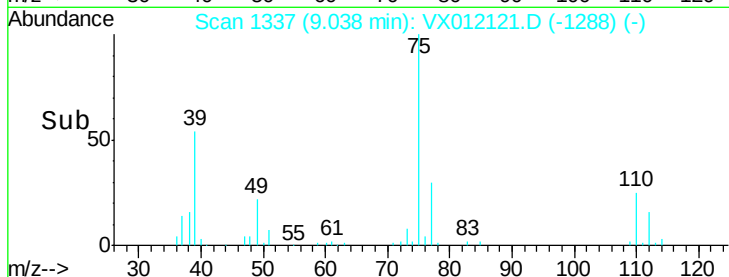
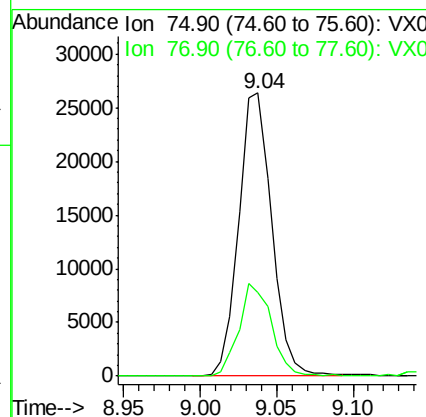
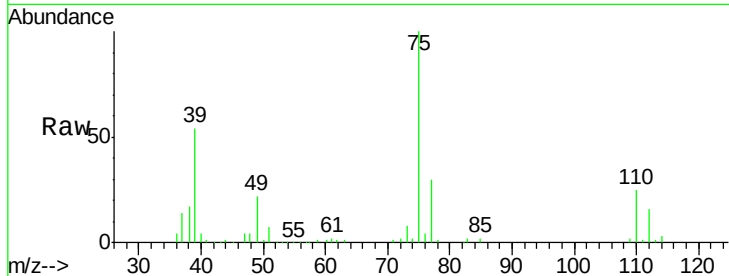
#53
t-1,3-Dichloropropene
Concen: 17.838 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 75 Resp: 39628
Ion Ratio Lower Upper
75 100
77 29.5 25.1 37.7

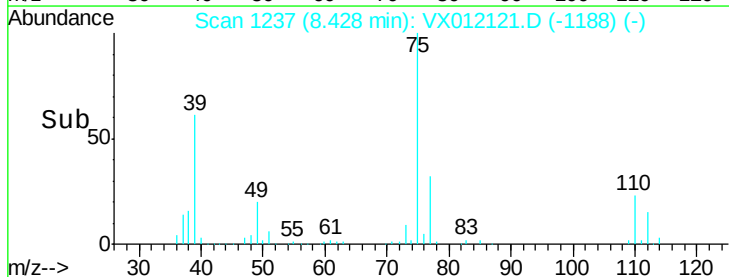
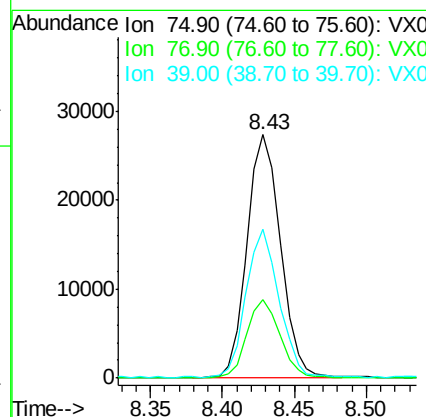
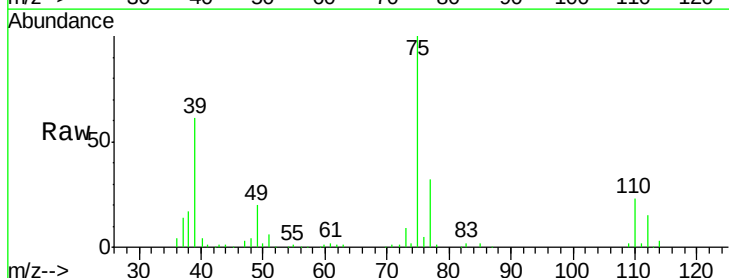
Manual Integrations
APPROVED

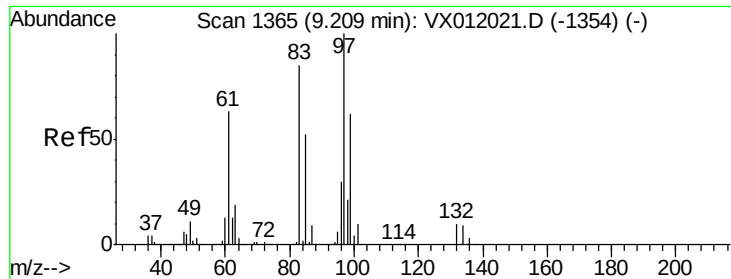
MMDadoda
9/6/2019 12:31:52 PM



#54
cis-1,3-Dichloropropene
Concen: 17.907 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion: 75 Resp: 44240
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 60.4 43.0 64.4





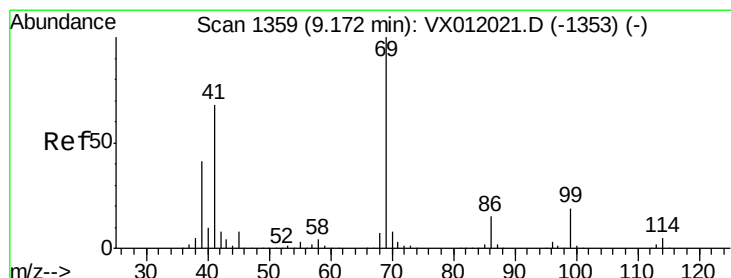
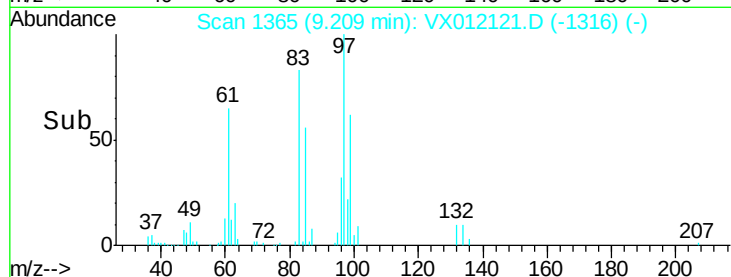
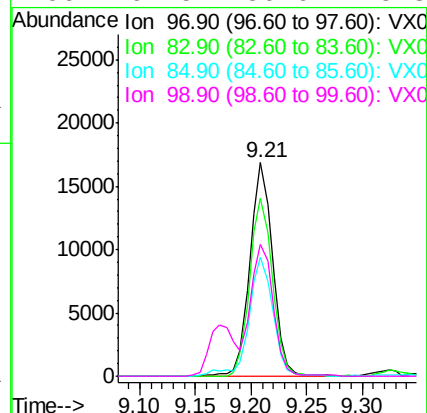
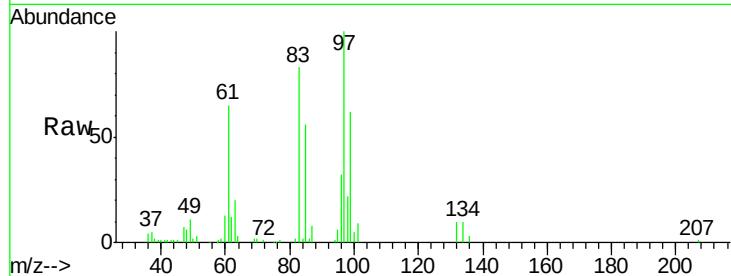
#55
 1,1,2-Trichloroethane
 Concen: 19.943 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		24070		
83	83.1		66.0	99.0	
85	55.6		41.0	61.6	
99	61.5		50.6	75.8	

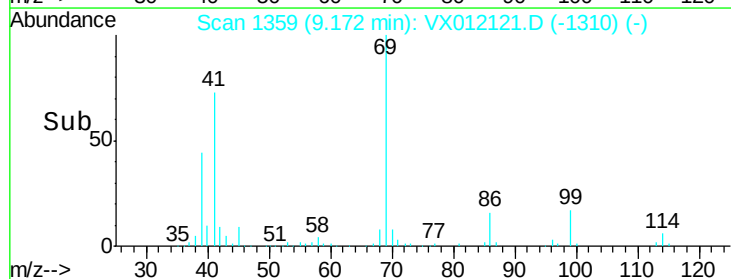
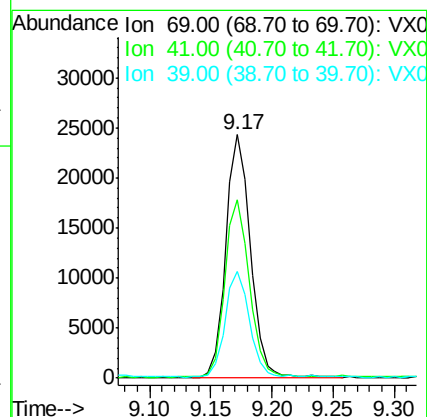
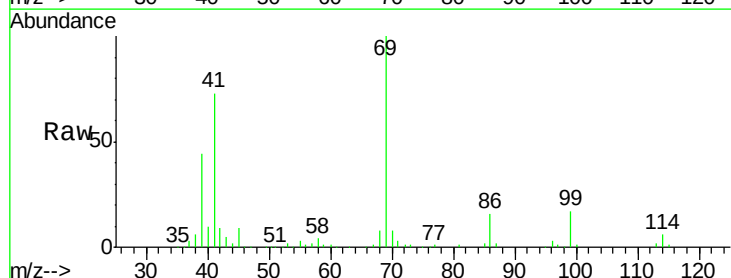
Manual Integrations
 APPROVED

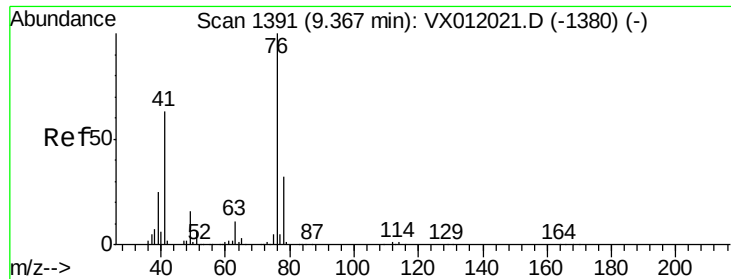
MMDadoda
 9/6/2019 12:31:52 PM



#56
 Ethyl methacrylate
 Concen: 19.837 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34295		
41	71.5		53.9	80.9	
39	42.5		31.1	46.7	





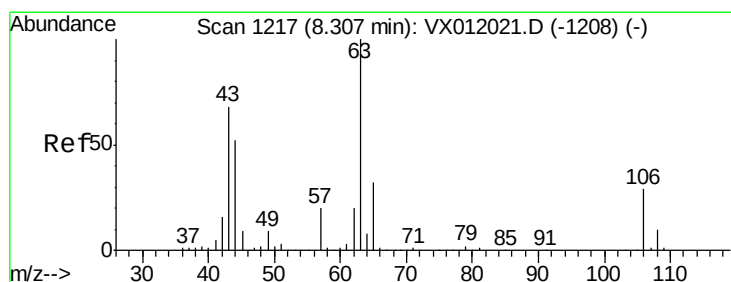
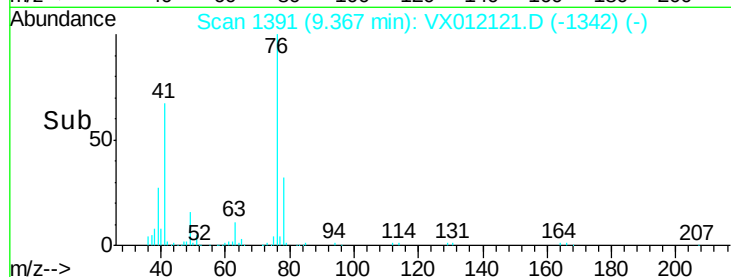
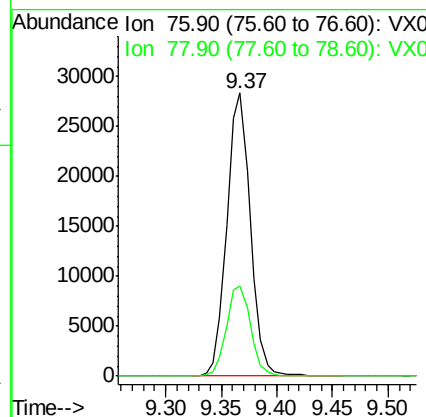
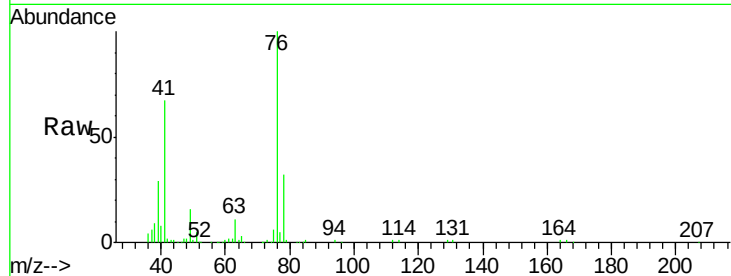
#57
 1,3-Dichloropropane
 Concen: 19.926 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion: 76 Resp: 41500
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3

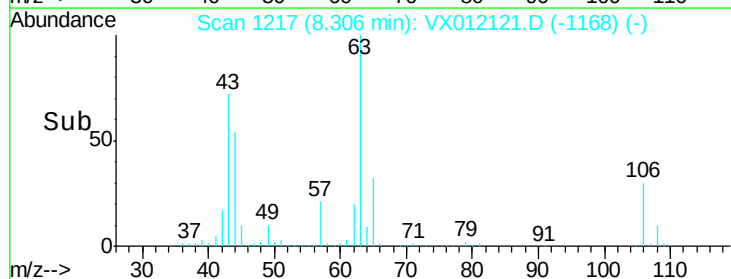
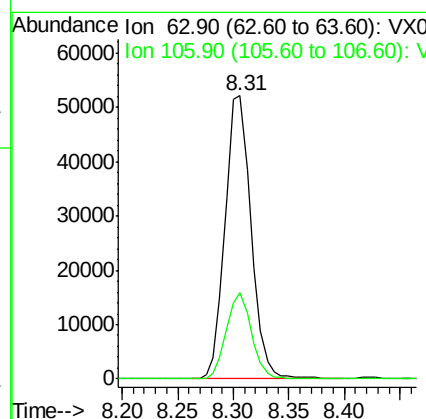
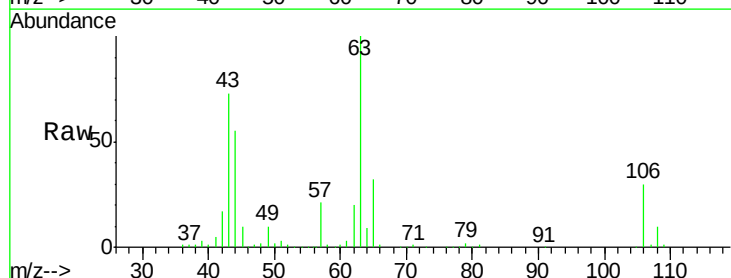
Manual Integrations
 APPROVED

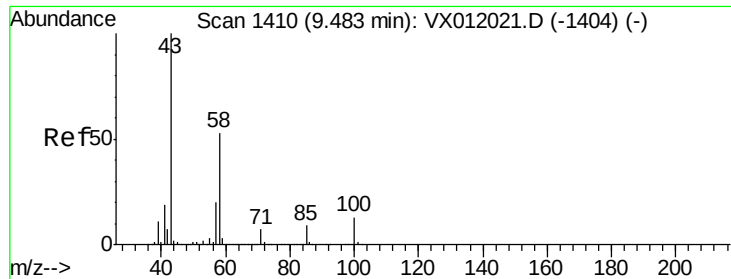
MMDadoda
 9/6/2019 12:31:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.665 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion: 63 Resp: 84694
 Ion Ratio Lower Upper
 63 100
 106 29.5 26.5 39.7





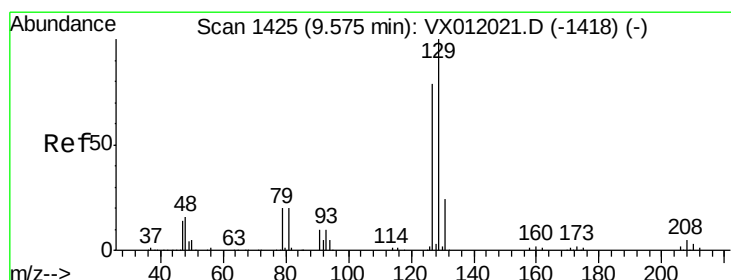
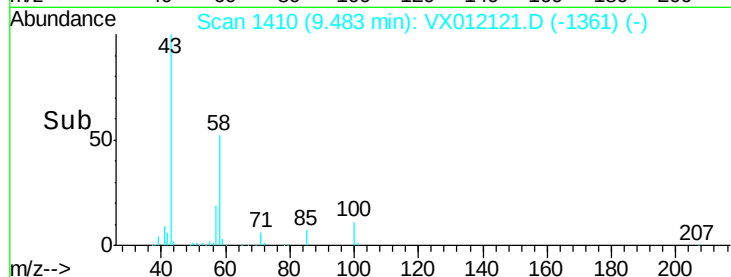
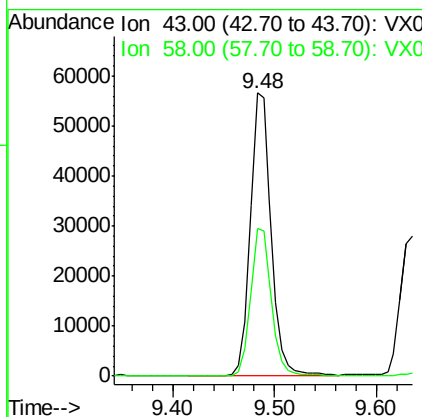
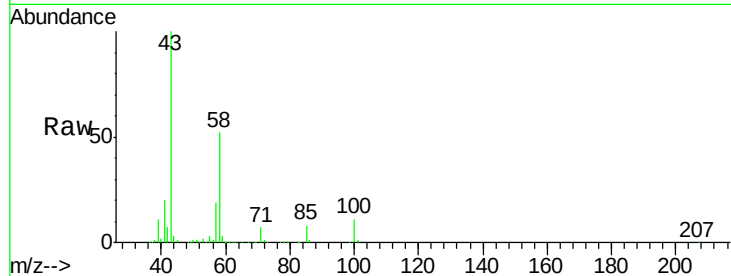
#59
2-Hexanone
Concen: 100.725 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion: 43 Resp: 80593
Ion Ratio Lower Upper
43 100
58 52.7 27.2 81.6

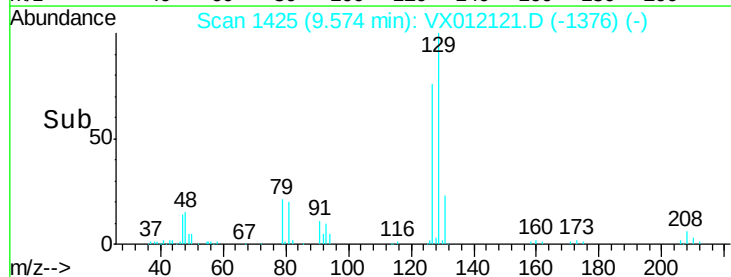
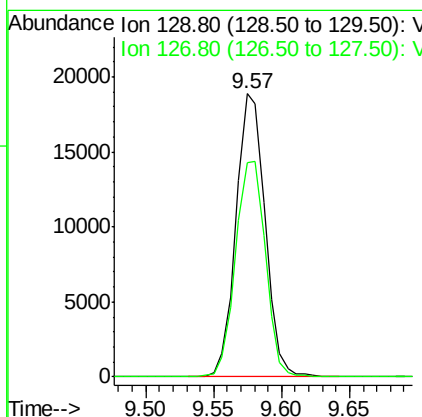
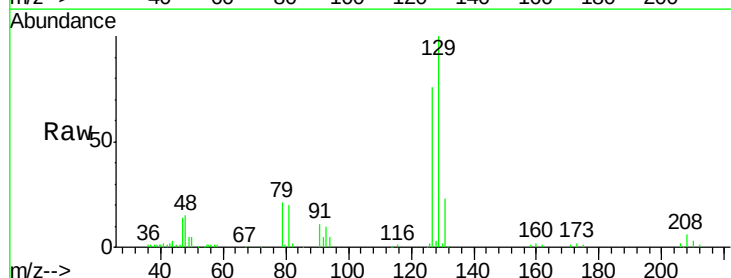
Manual Integrations
APPROVED

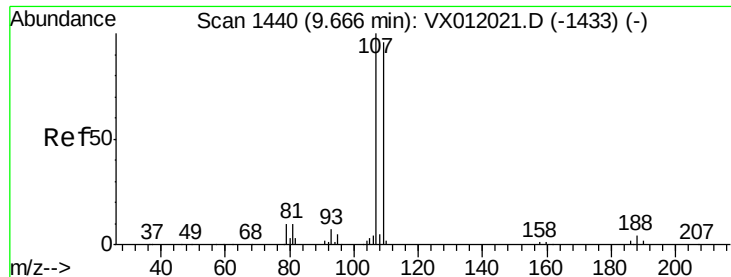
MMDadoda
9/6/2019 12:31:52 PM



#60
Dibromochloromethane
Concen: 19.542 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion: 129 Resp: 28110
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.658 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 107 Resp: 22926

Ion Ratio Lower Upper

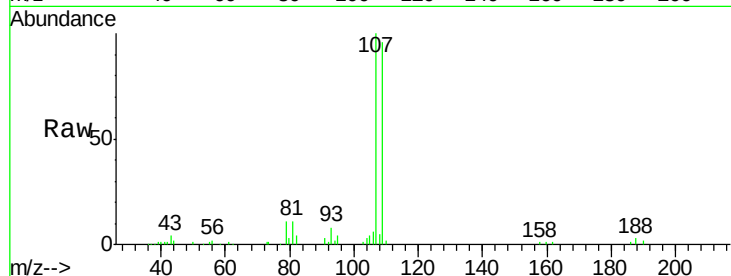
107 100

109 95.0 76.9 115.3

Manual Integrations
APPROVED

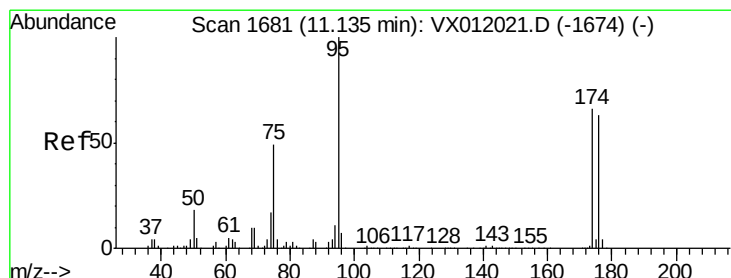
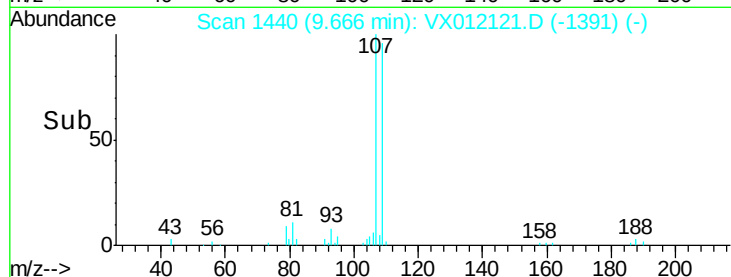
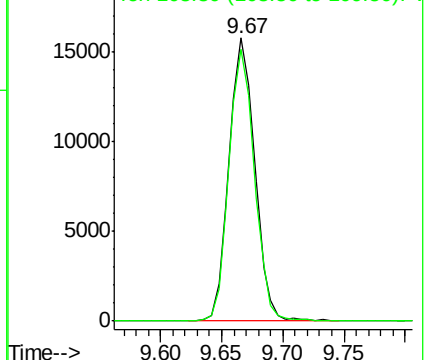
MMDadoda

9/6/2019 12:31:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.861 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

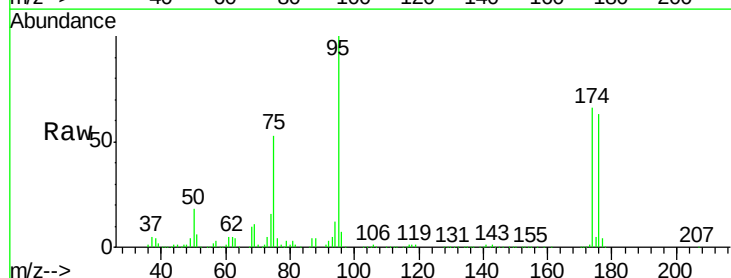
Tgt Ion: 95 Resp: 108872

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

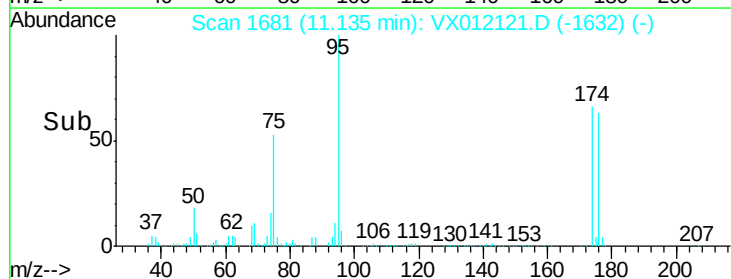
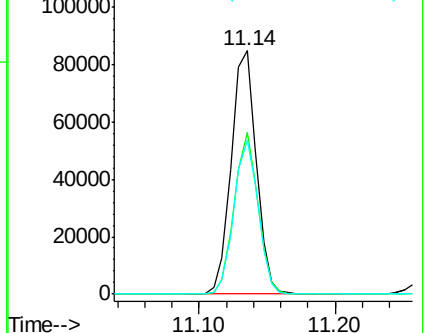
176 61.6 0.0 201.8

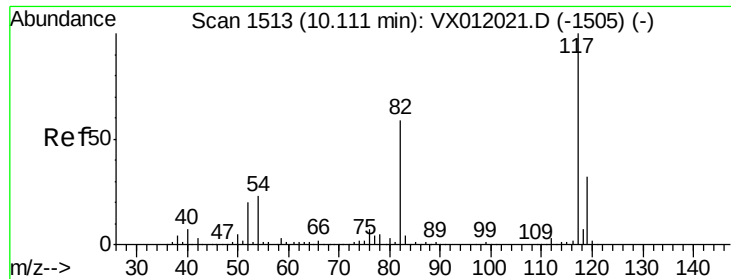


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





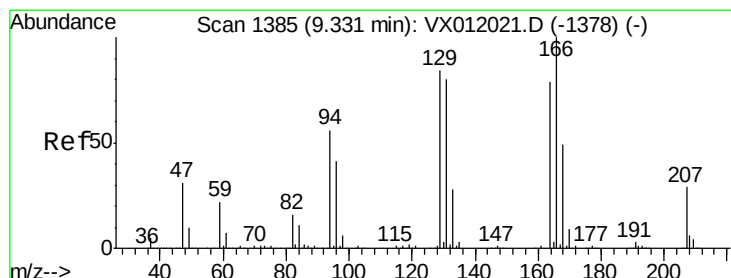
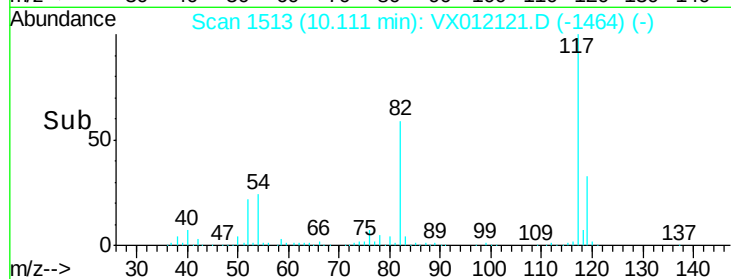
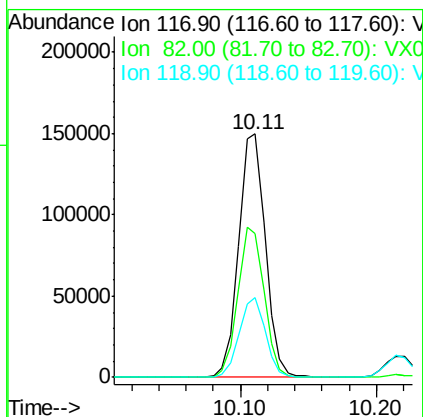
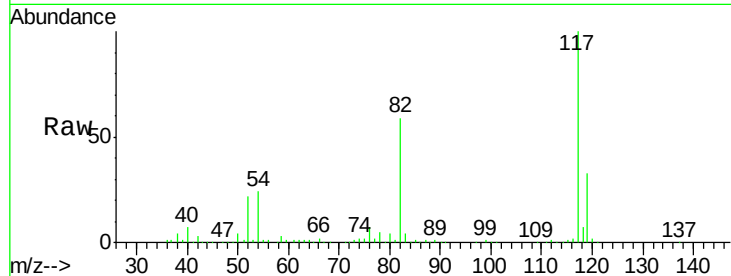
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	204952		
82	59.1	39.4	59.0#	
119	32.6	26.1	39.1	

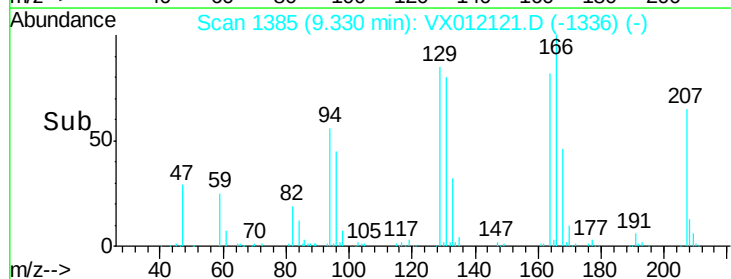
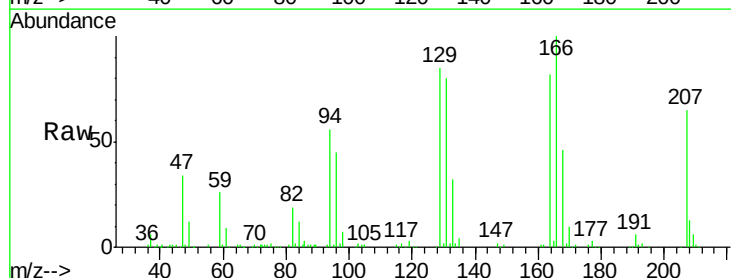
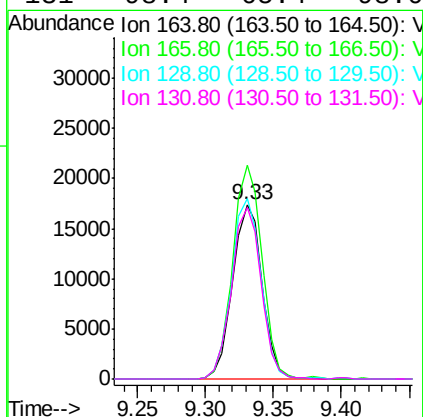
Manual Integrations
APPROVED

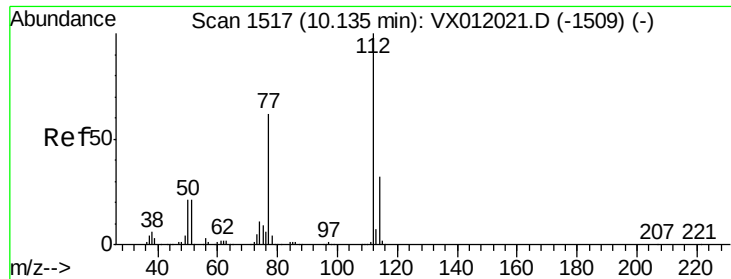
MMDadoda
9/6/2019 12:31:52 PM



#64
Tetrachloroethene
Concen: 20.585 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26302		
166	122.4	104.3	156.5	
129	103.5	68.3	102.5#	
131	98.4	65.4	98.0#	





#65

Chlorobenzene

Concen: 18.737 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:112 Resp: 75769

Ion Ratio Lower Upper

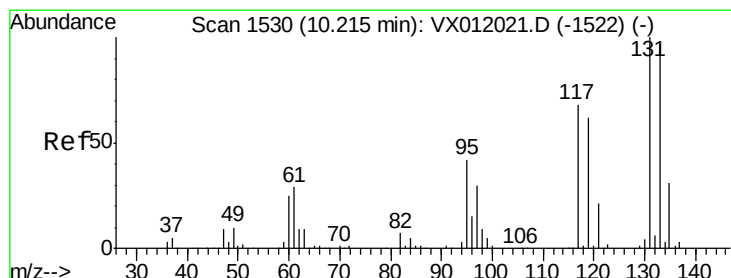
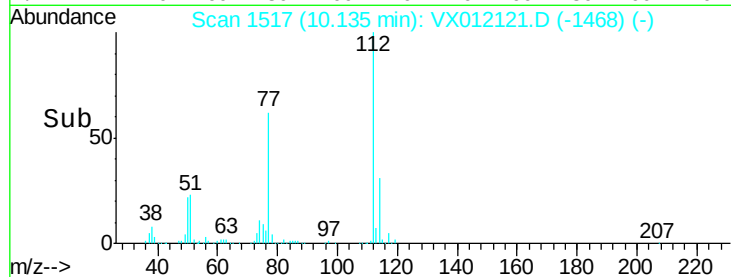
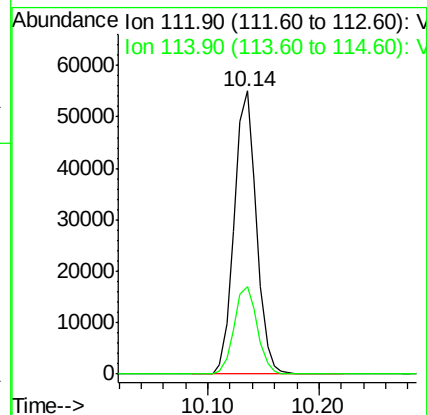
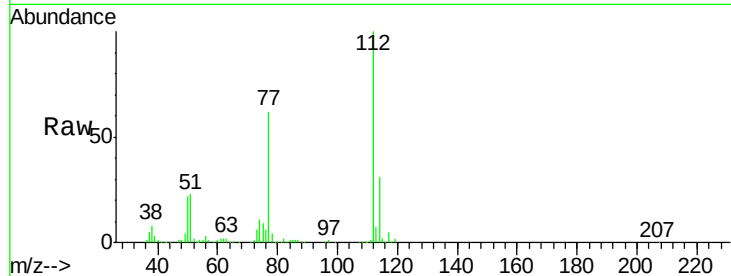
112 100

114 31.0 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.060 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

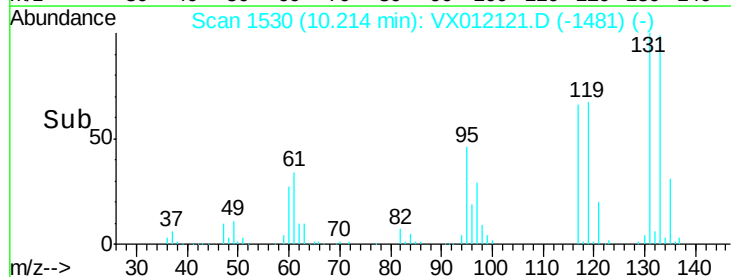
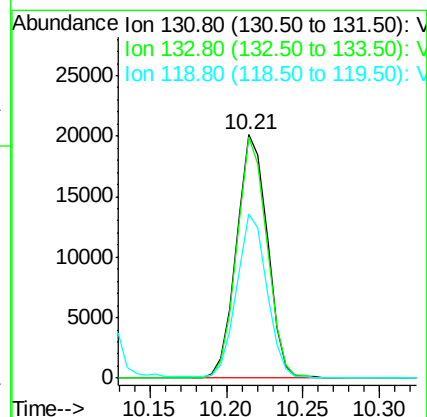
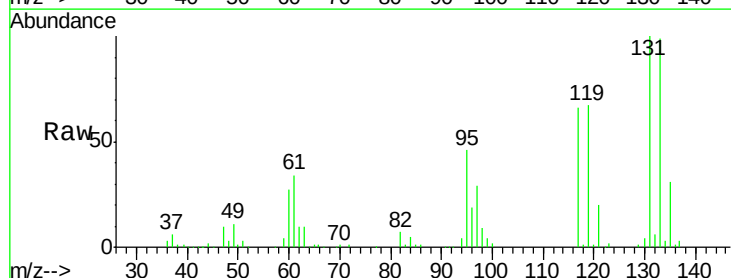
Tgt Ion:131 Resp: 28182

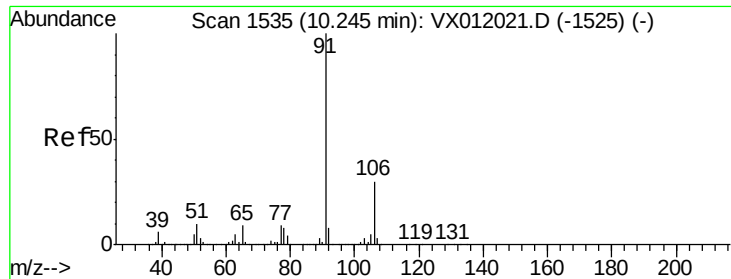
Ion Ratio Lower Upper

131 100

133 96.6 48.4 145.0

119 66.3 30.5 91.5





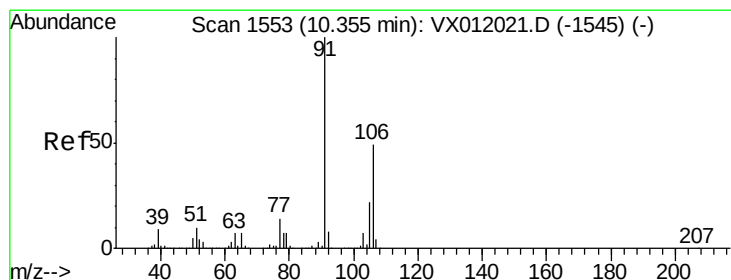
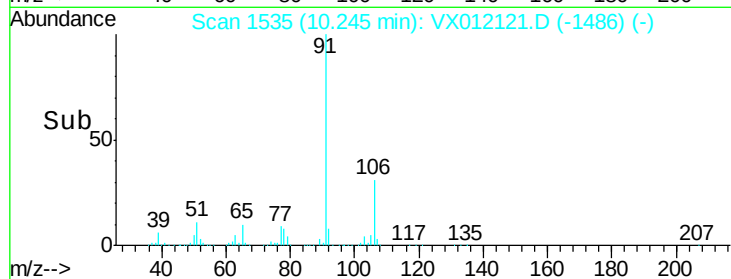
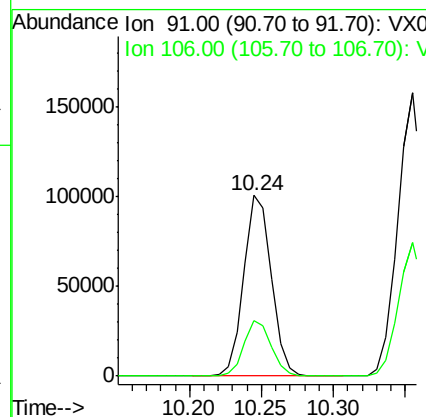
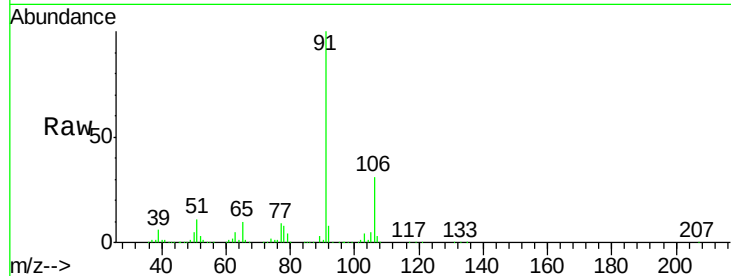
#67
Ethyl Benzene
Concen: 18.181 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.8	38.8

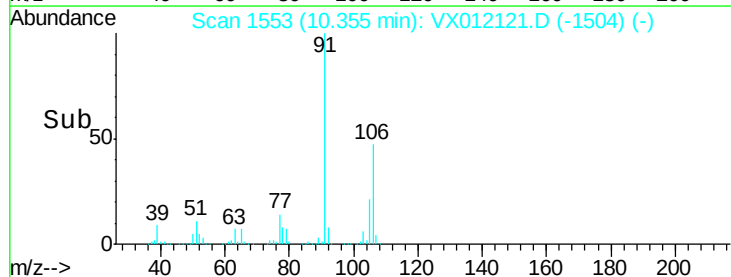
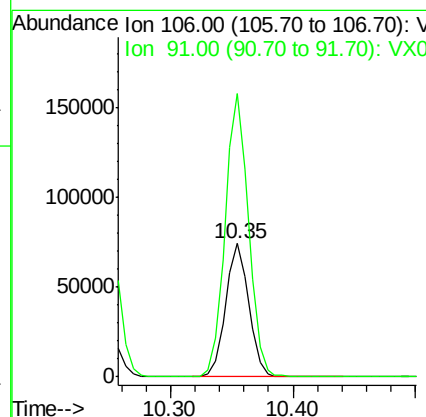
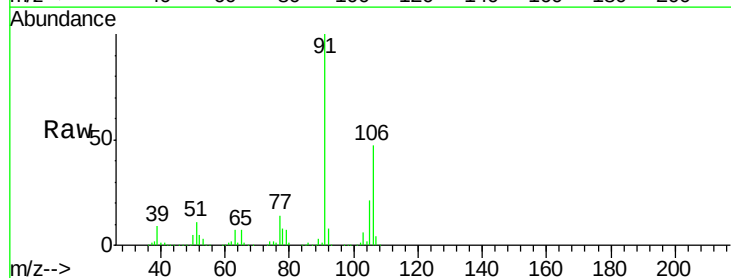
Manual Integrations
APPROVED

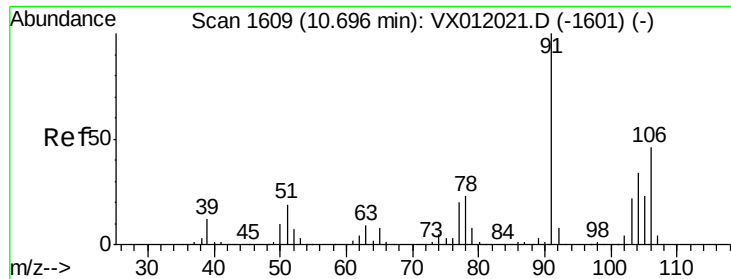
MMDadoda
9/6/2019 12:31:52 PM



#68
m/p-Xylenes
Concen: 35.993 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.9	157.5	236.3





#69

o-Xylene

Concen: 18.228 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:106 Resp: 48003

Ion Ratio Lower Upper

106 100

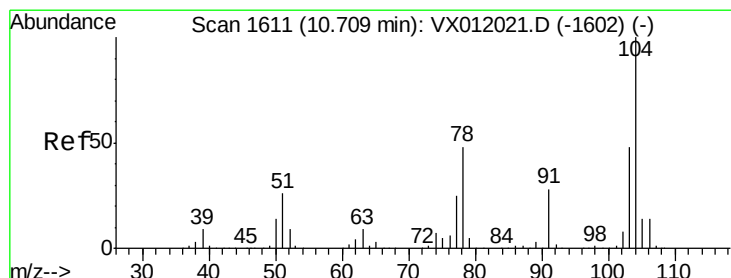
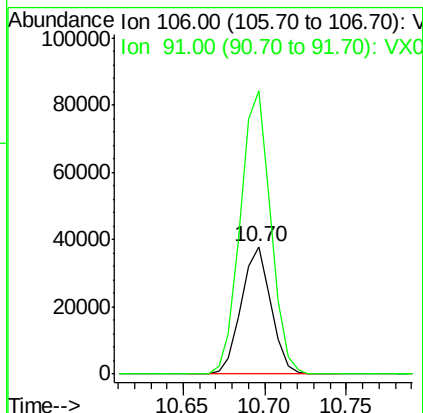
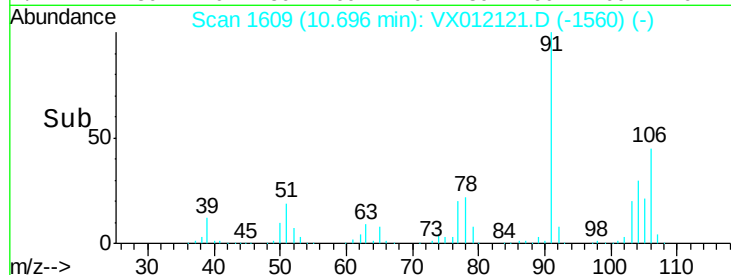
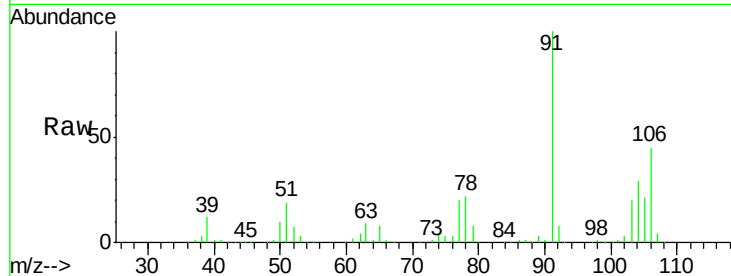
91 228.5 103.5 310.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#70

Styrene

Concen: 18.763 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

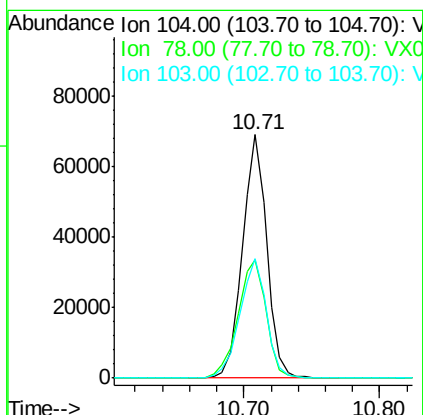
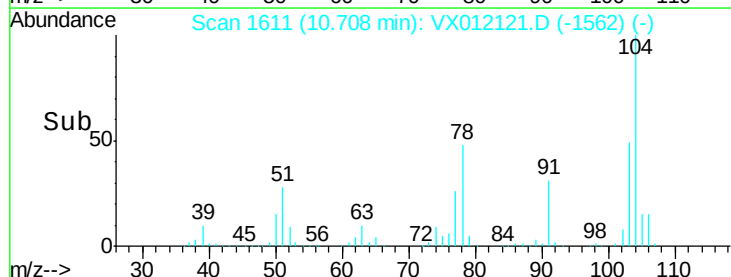
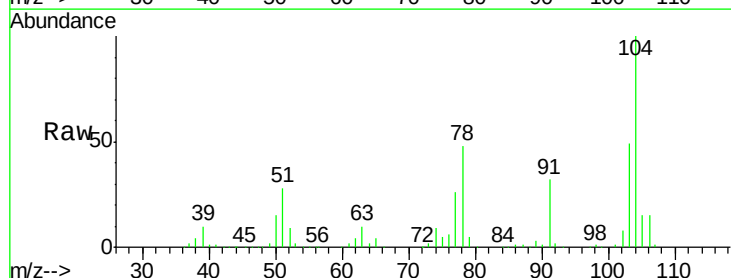
Tgt Ion:104 Resp: 85825

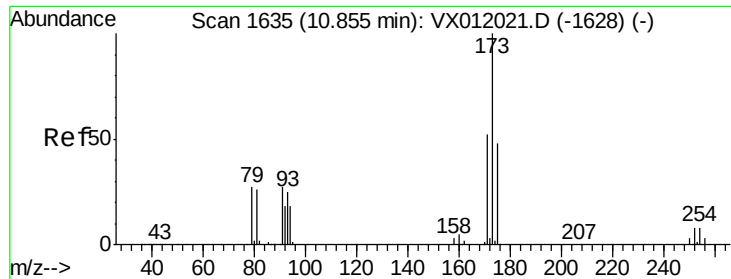
Ion Ratio Lower Upper

104 100

78 56.4 39.1 58.7

103 53.9 43.4 65.2





#71

Bromoform

Concen: 18.187 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

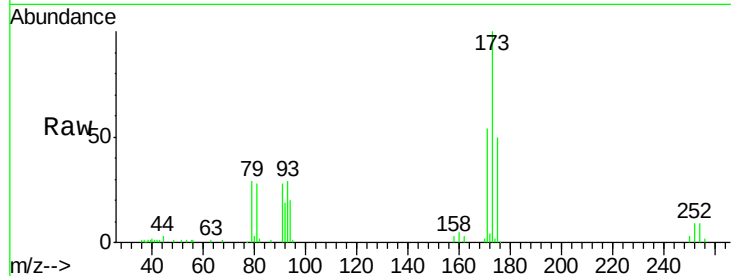
ClientSampleId :

VX0905SBSD02

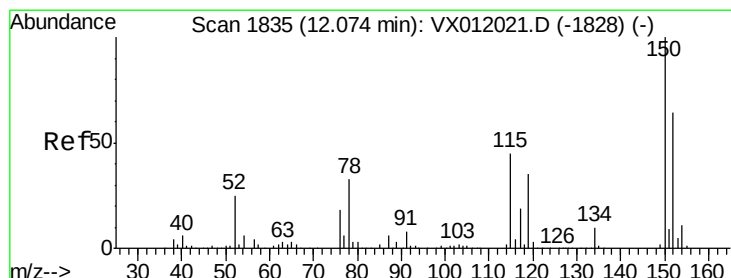
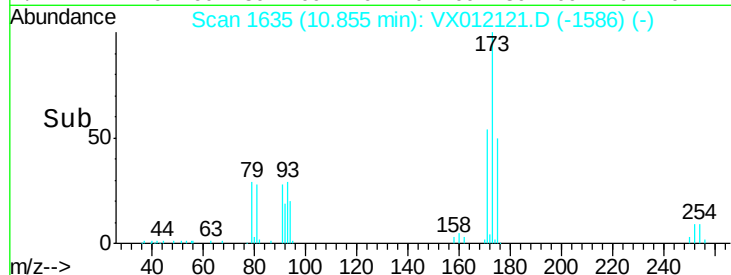
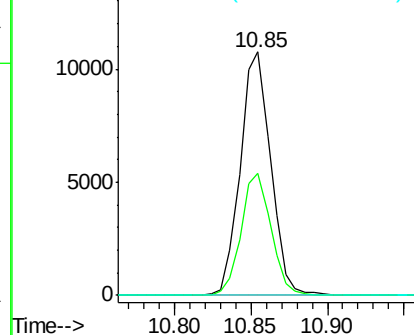
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

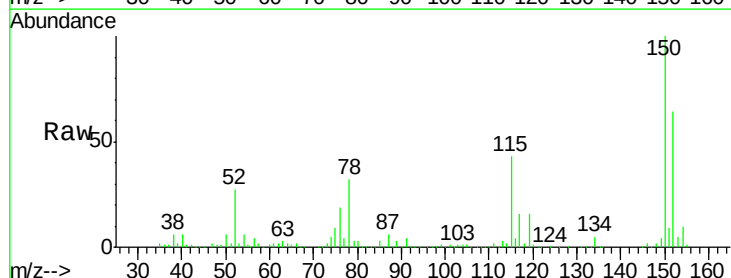
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

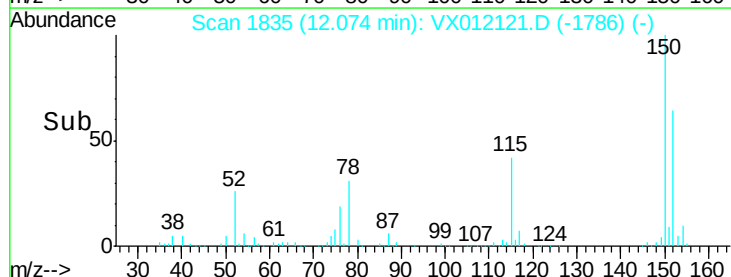
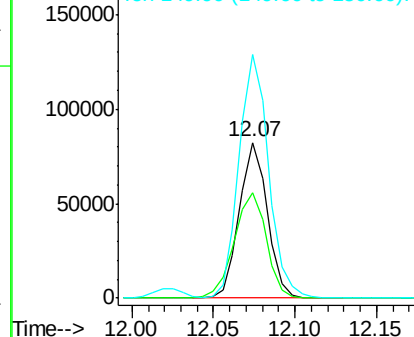
Lab File: VX012121.D

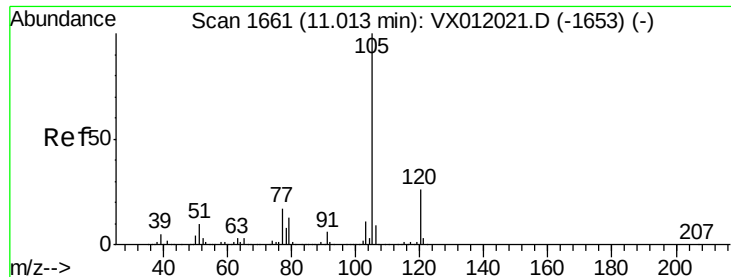
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	36.4	109.3
150	166.8	0.0	341.2



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: 18.311 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion: 105 Resp: 132059

Ion Ratio Lower Upper

105 100

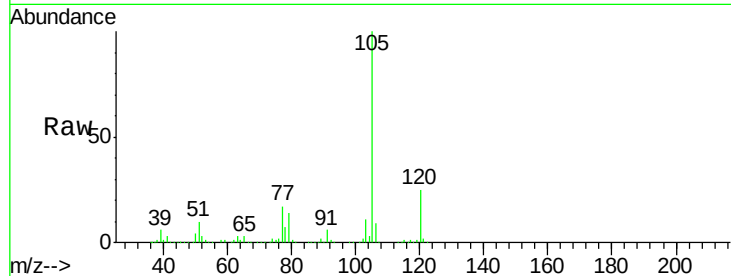
120 25.5 13.9 41.6

Manual Integrations

APPROVED

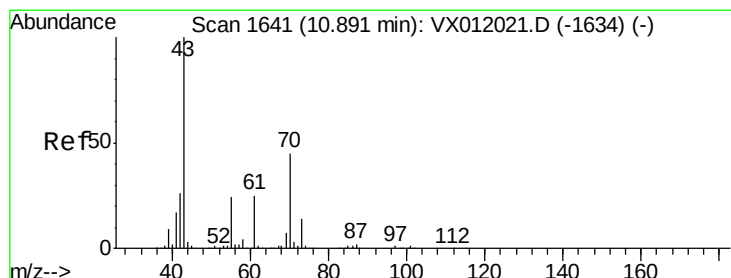
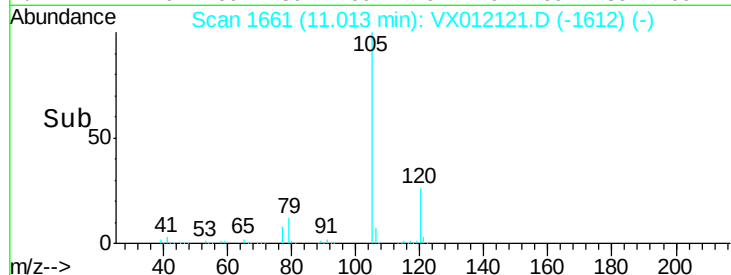
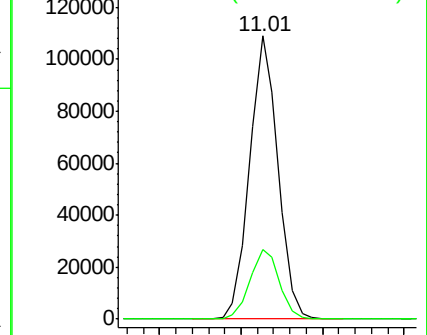
MMDadoda

9/6/2019 12:31:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.721 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion: 43 Resp: 42052

Ion Ratio Lower Upper

43 100

70 40.3 34.4 51.6

55 23.1 18.5 27.7

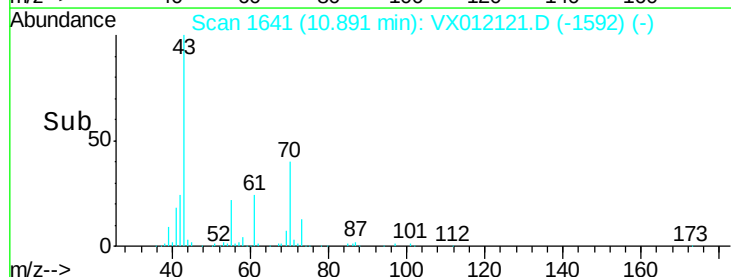
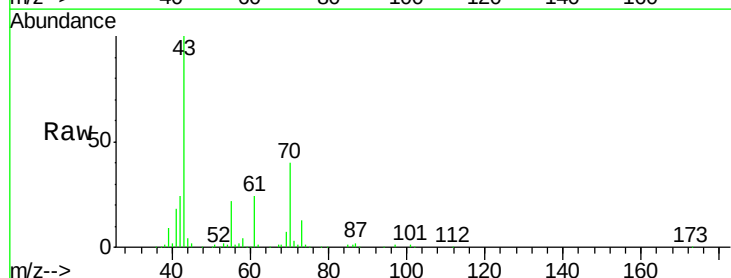
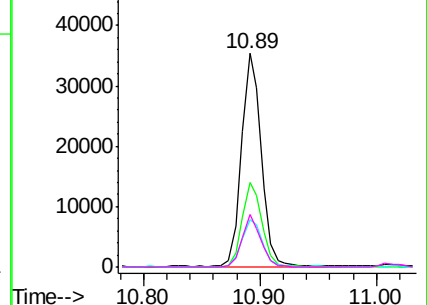
61 23.0 19.5 29.3

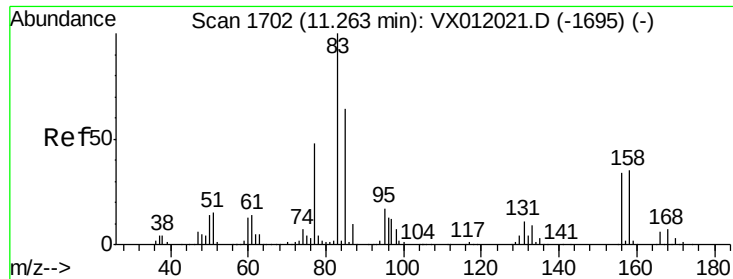
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.331 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

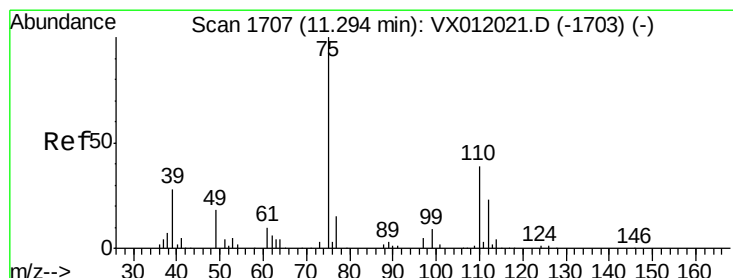
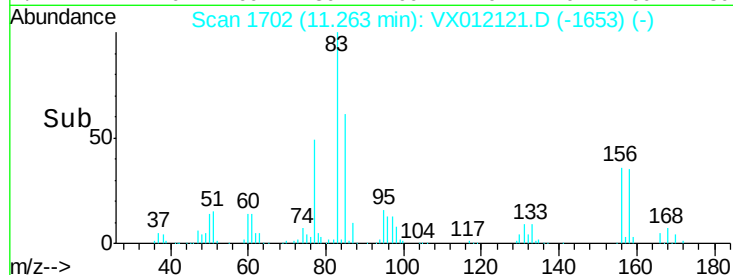
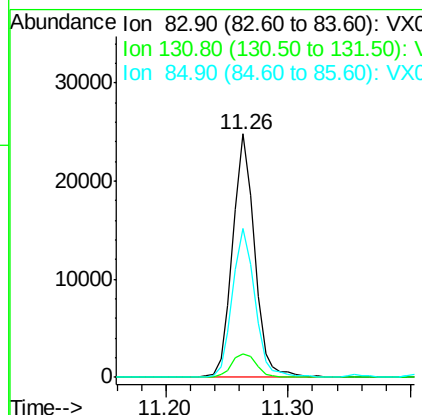
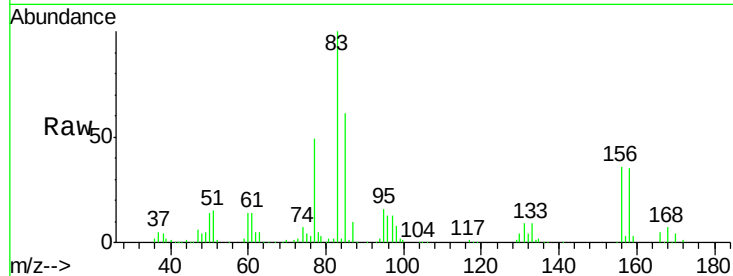
ClientSampleId :

VX0905SBS02

Tot Ion:	83	Resp:	30567
Ion Ratio	Lower	Upper	
83	100		
131	10.8	6.3	19.1
85	63.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#76

1,2,3-Trichloropropane

Concen: 22.493 ug/l m

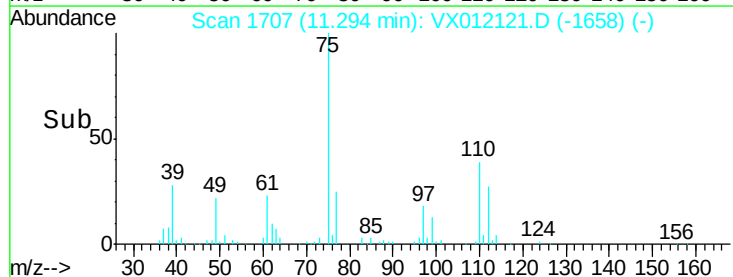
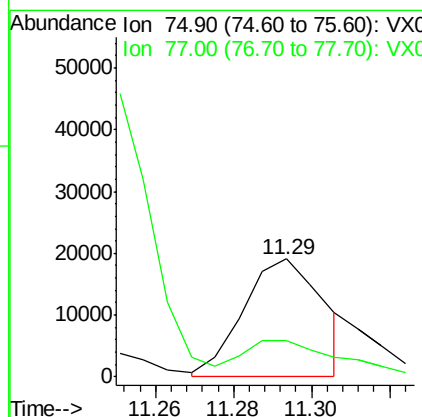
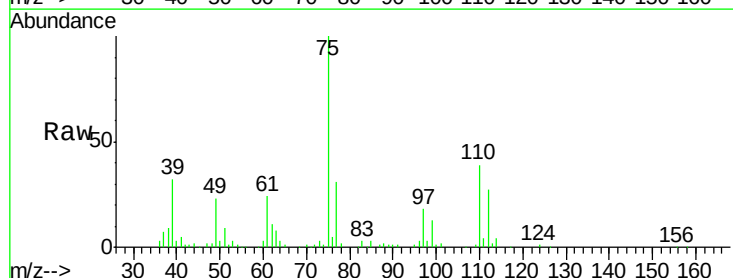
RT: 11.29 min Scan# 1707

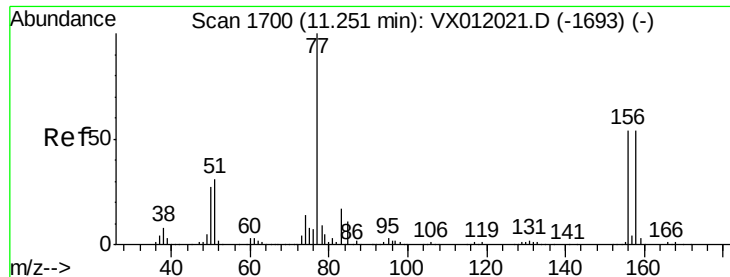
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	75	Resp:	27014
Ion Ratio	Lower	Upper	
75	100		
77	37.8	23.5	70.5





#77

Bromobenzene

Concen: 19.667 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

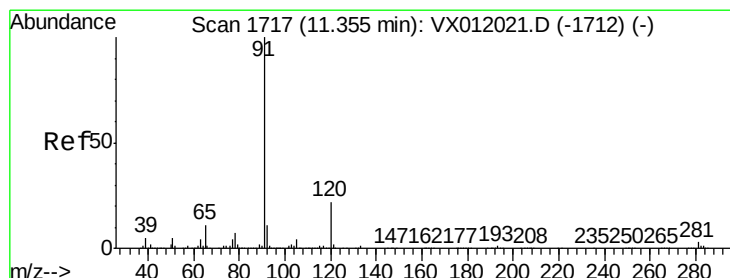
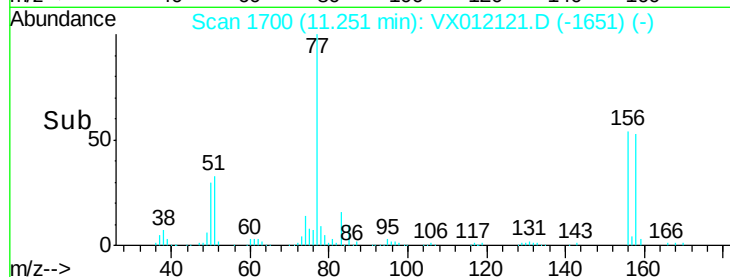
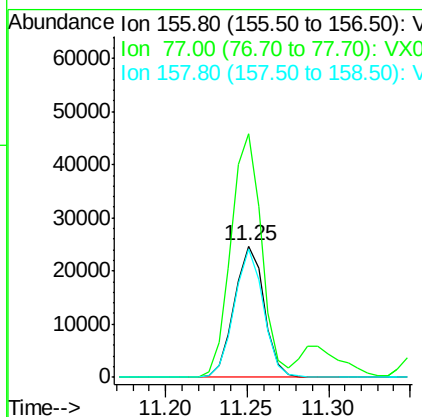
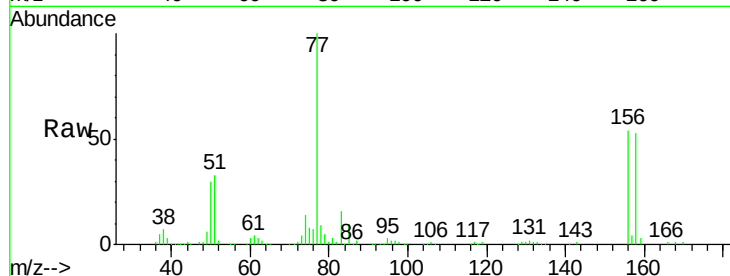
ClientSampleId :

VX0905SBS02

Tot Ion:	156	Resp:	31722
Ion	Ratio	Lower	Upper
156	100		
77	188.3	63.4	190.2
158	94.9	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#78

n-propylbenzene

Concen: 17.942 ug/l

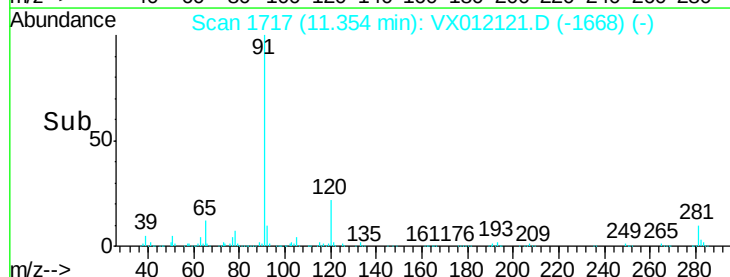
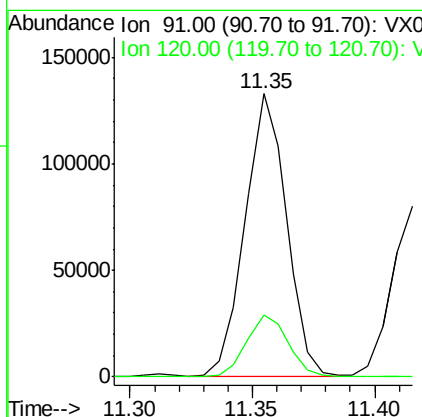
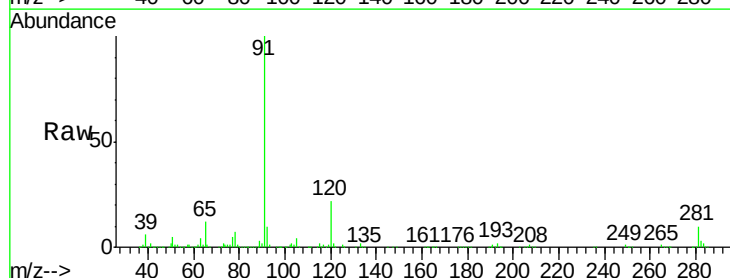
RT: 11.35 min Scan# 1717

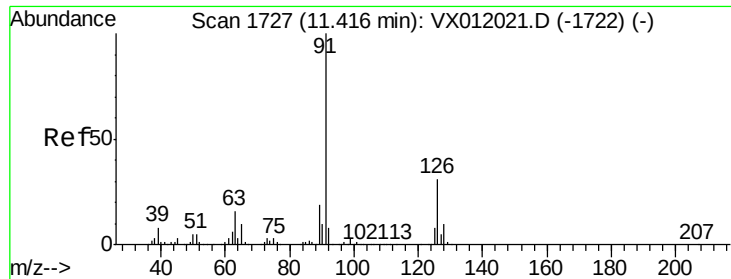
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	91	Resp:	156324
Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.773 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS02

Tot Ion: 91 Resp: 99092

Ion Ratio Lower Upper

91 100

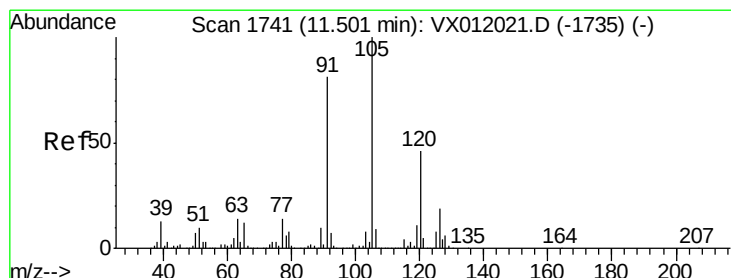
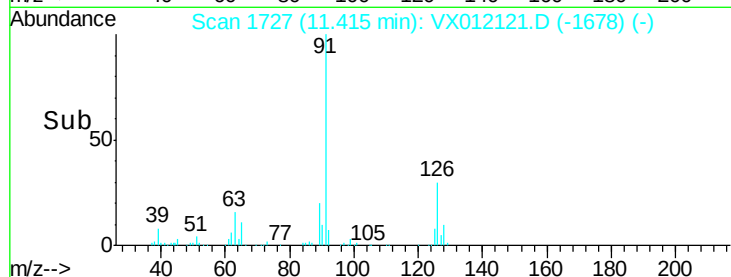
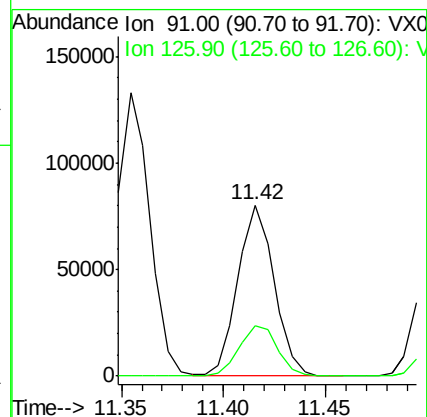
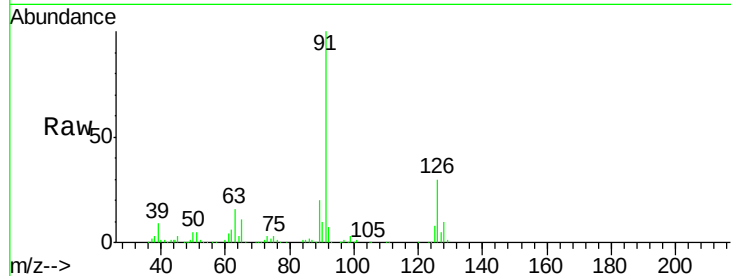
126 31.5 18.6 55.8

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 18.498 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012121.D

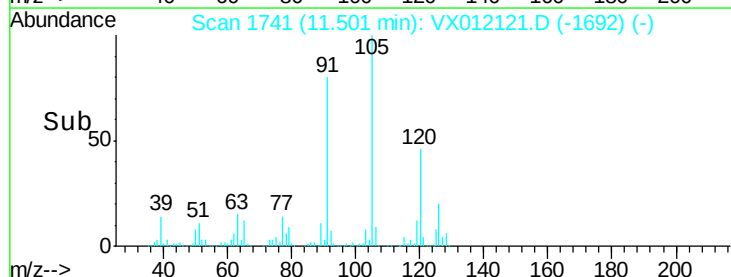
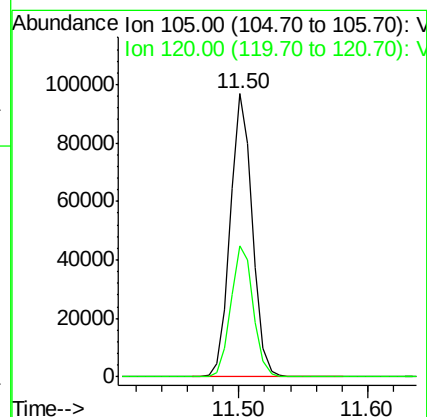
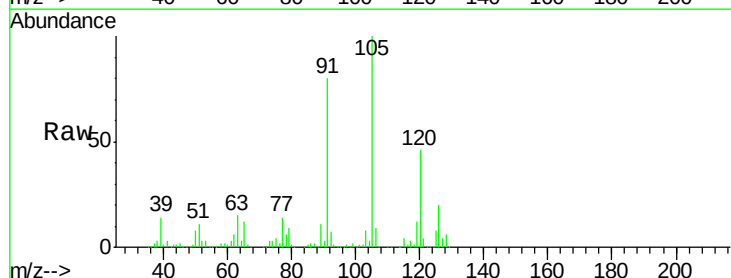
Acq: 06 Sep 2019 01:56

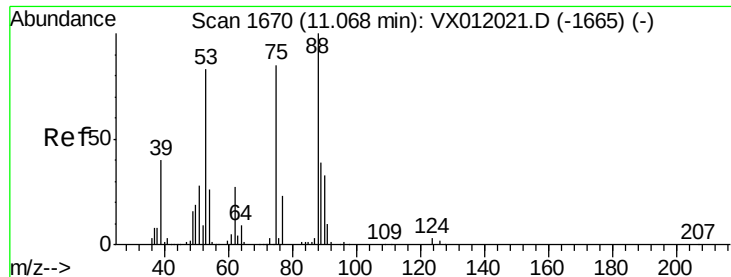
Tgt Ion: 105 Resp: 116911

Ion Ratio Lower Upper

105 100

120 46.9 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.018 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

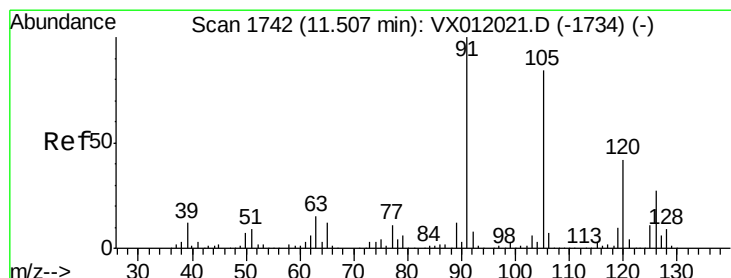
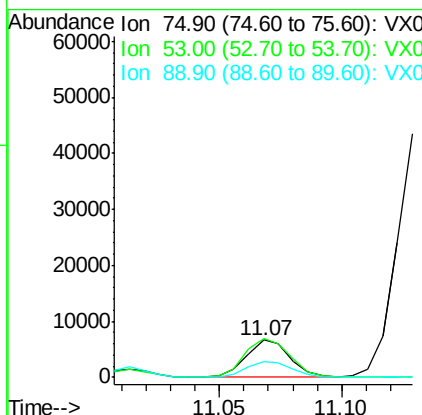
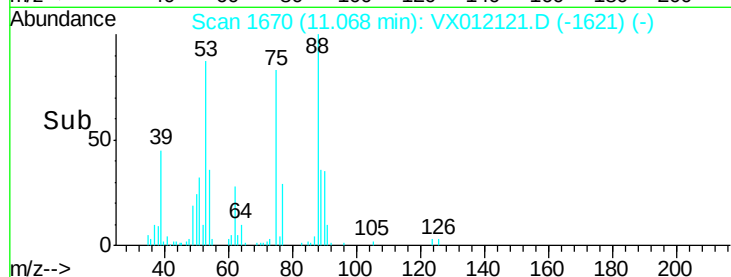
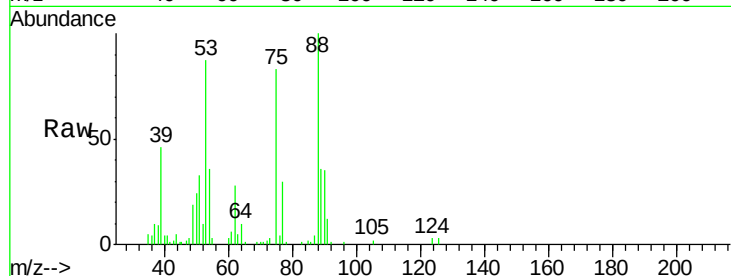
ClientSampleId :

VX0905SBS02

Tot Ion:	75	Resp:	8137
Ion	Ratio	Lower	Upper
75	100		
53	112.3	78.6	117.8
89	45.9	38.8	58.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#82

4-Chlorotoluene

Concen: 18.891 ug/l

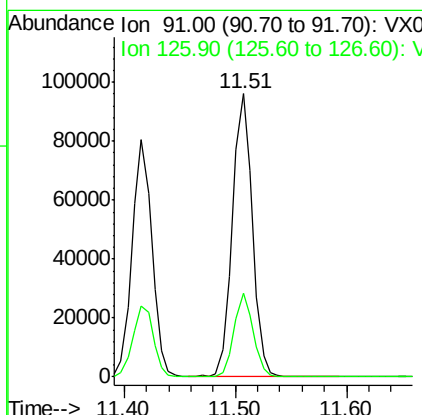
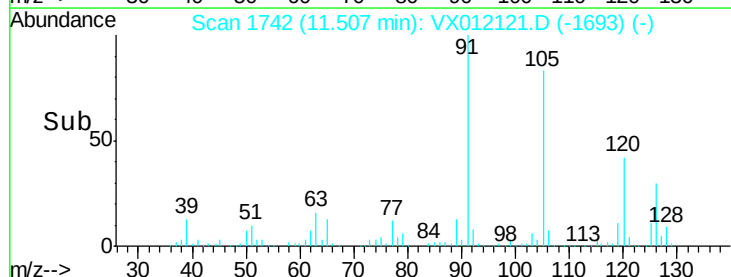
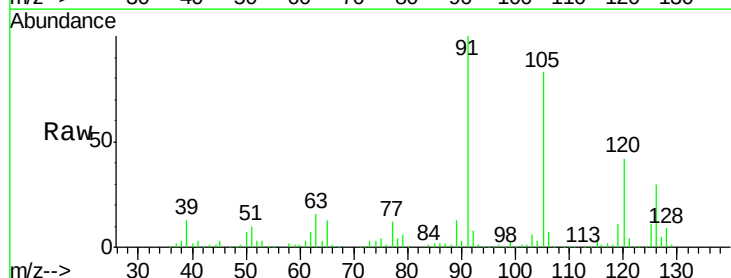
RT: 11.51 min Scan# 1742

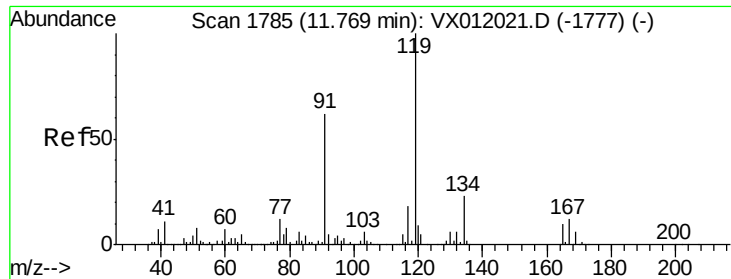
Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	91	Resp:	118854
Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.2	48.6





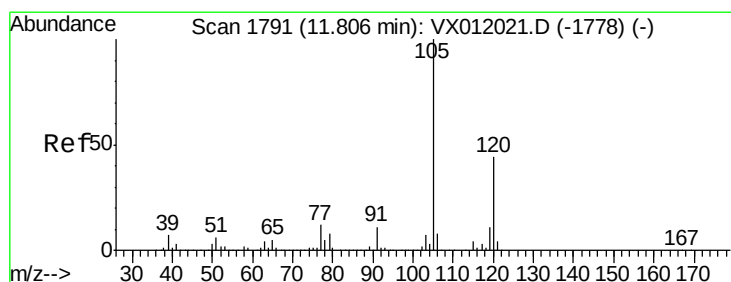
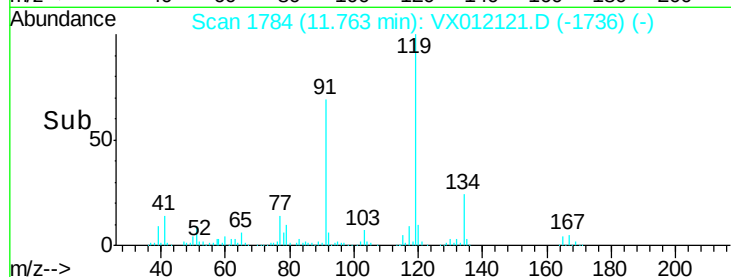
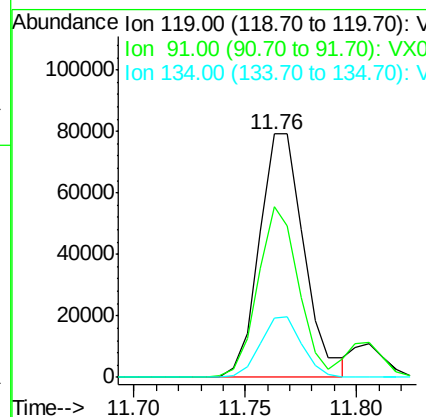
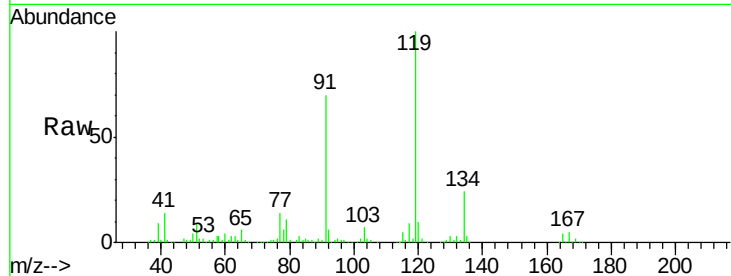
#83
tert-Butylbenzene
Concen: 18.323 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	110372		
91	63.9	27.1	81.2	
134	23.3	12.1	36.3	

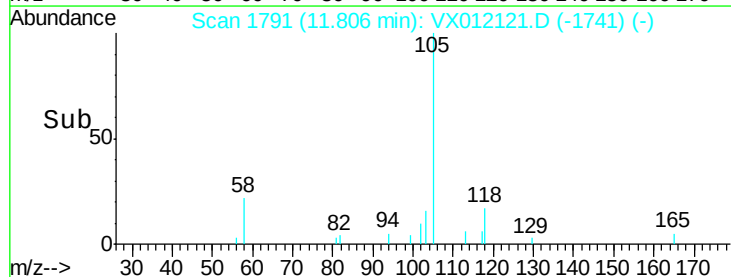
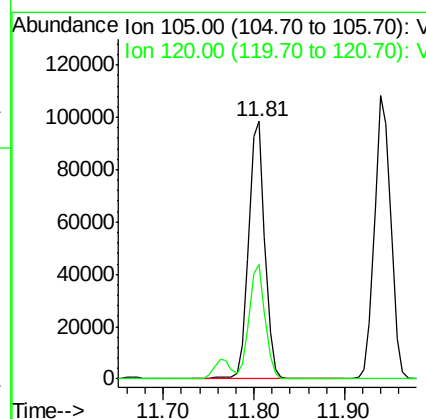
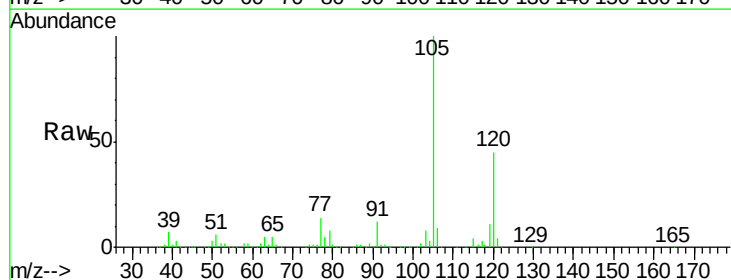
Manual Integrations
APPROVED

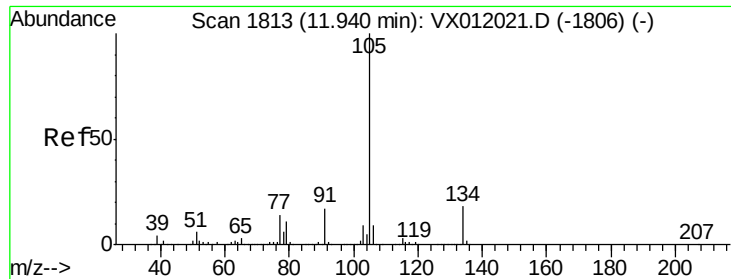
MMDadoda
9/6/2019 12:31:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.719 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121592		
120	43.8	23.6	70.8	





#85

sec-Butylbenzene

Concen: 18.018 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS02

Tot Ion:105 Resp: 134815

Ion Ratio Lower Upper

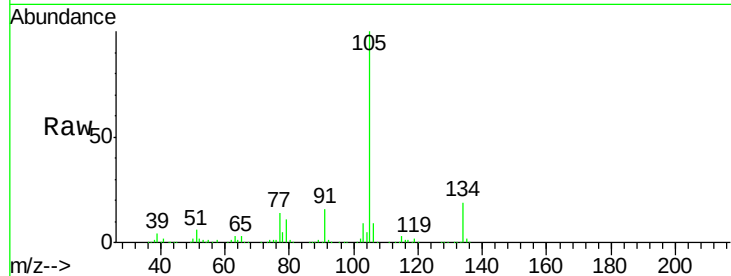
105 100

134 19.1 11.2 33.6

Manual Integrations
APPROVED

MMDadoda

9/6/2019 12:31:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

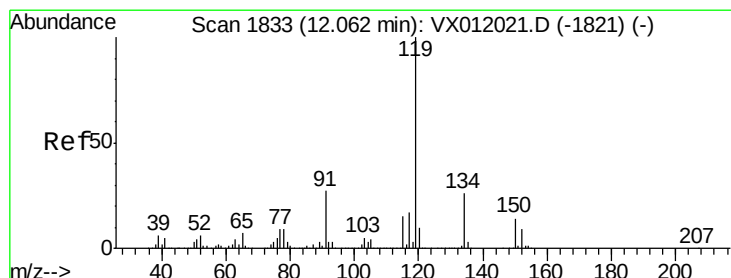
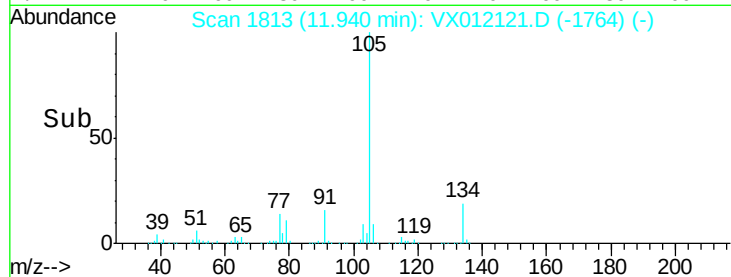
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.763 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

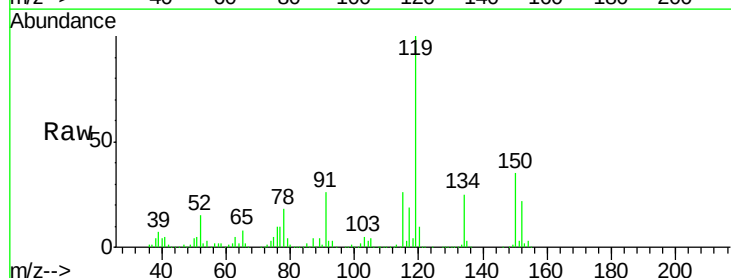
Tgt Ion:119 Resp: 120869

Ion Ratio Lower Upper

119 100

134 25.4 13.7 41.1

91 27.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

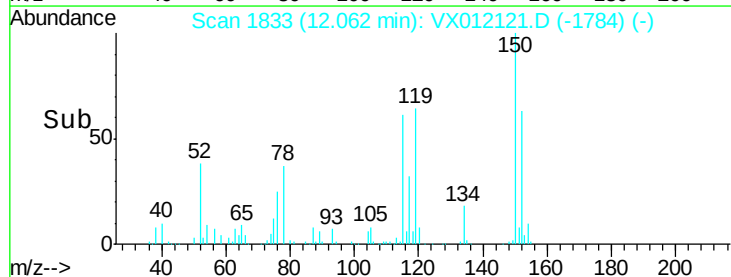
12.06

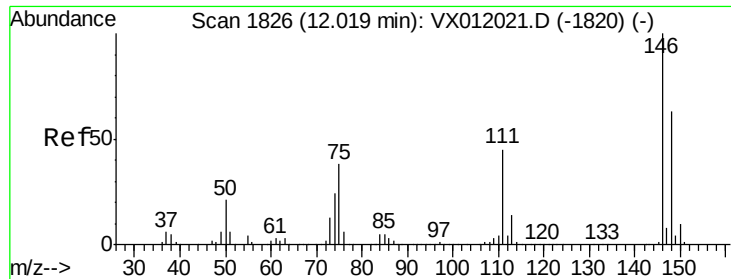
100000

50000

0

Time-->





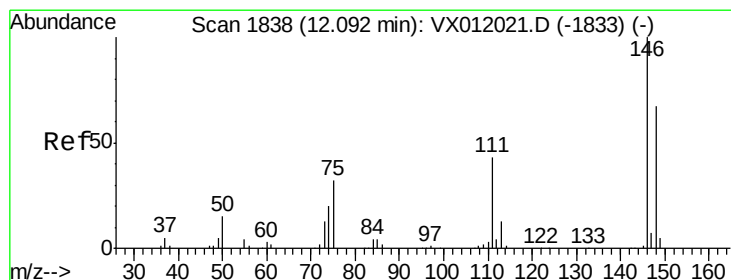
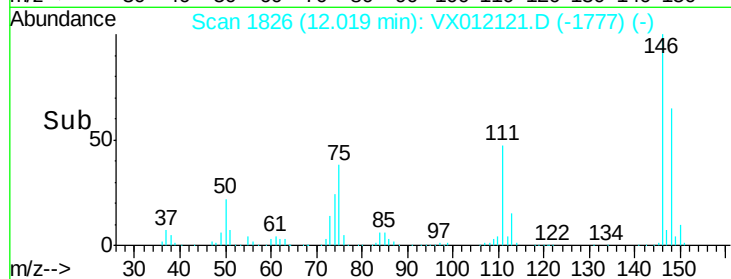
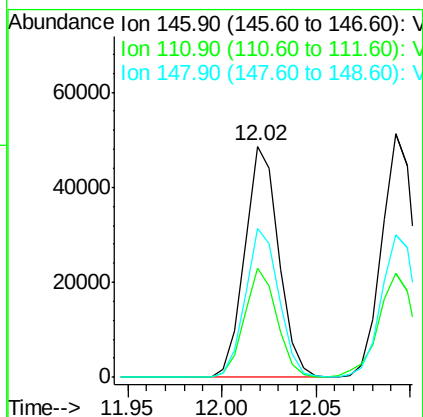
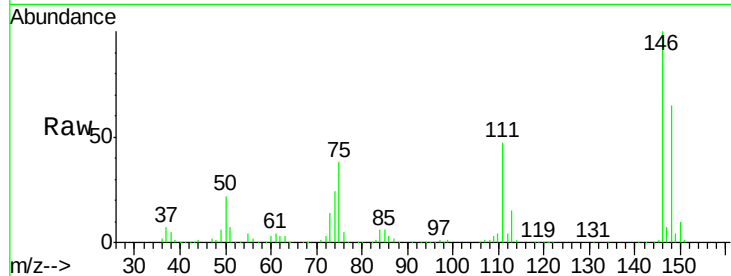
#87
 1,3-Dichlorobenzene
 Concen: 18.774 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	18.1	54.1
148	63.9	32.6	97.8

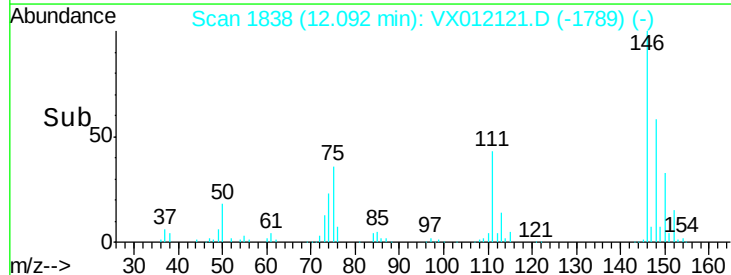
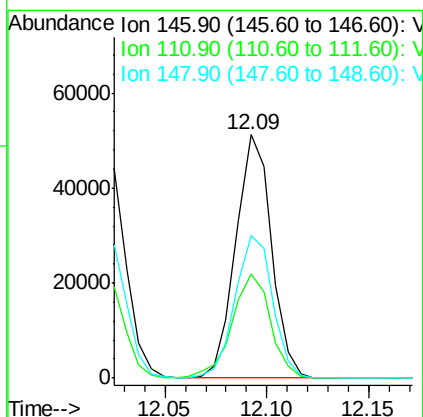
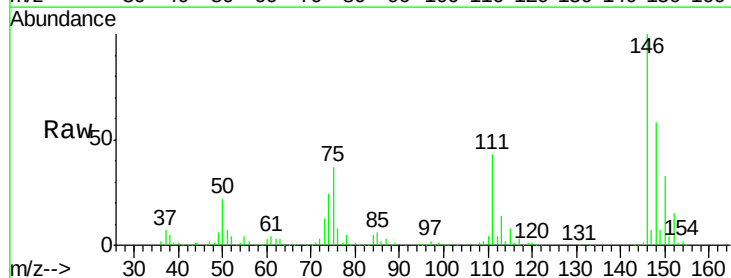
Manual Integrations
 APPROVED

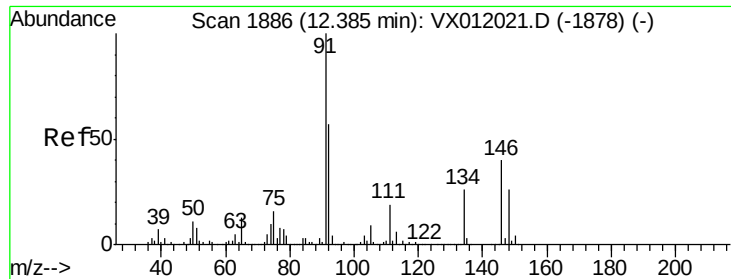
MMDadoda
 9/6/2019 12:31:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	17.7	53.1
148	61.9	32.4	97.0





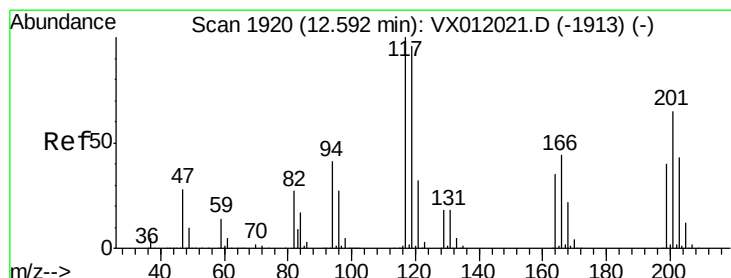
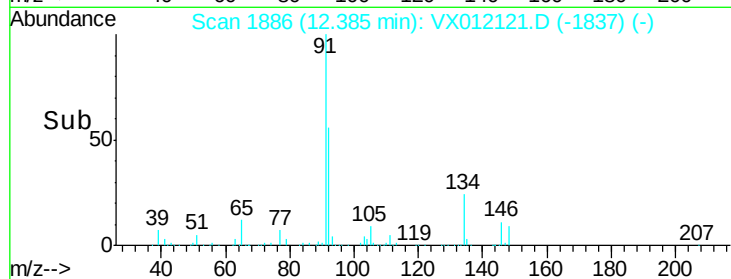
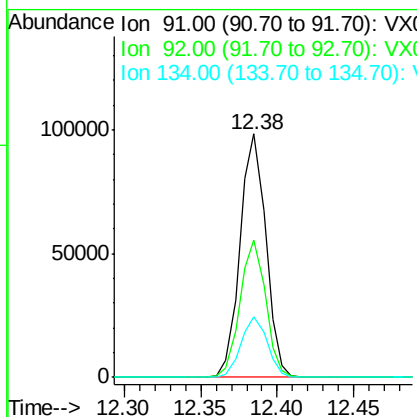
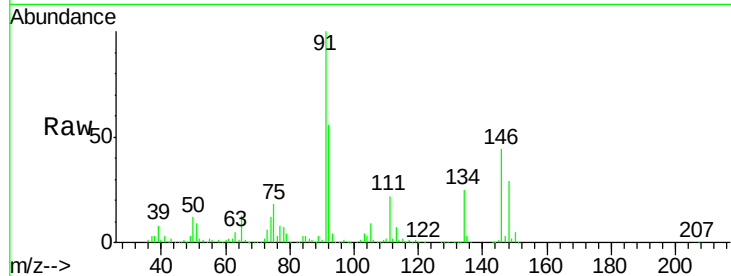
#89
n-Butylbenzene
Concen: 17.445 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	115309		
92	55.8		27.6	82.8
134	24.9		15.4	46.1

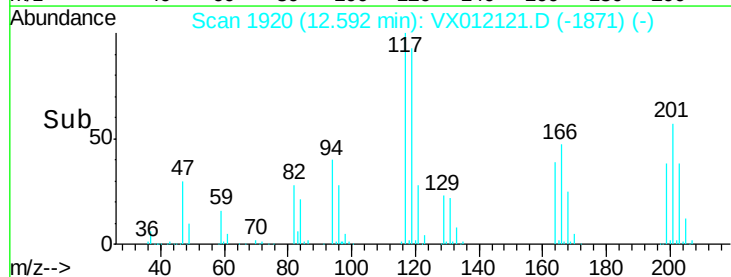
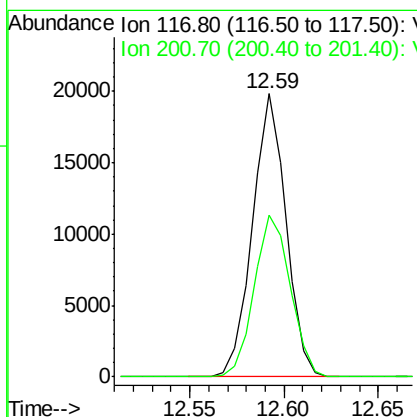
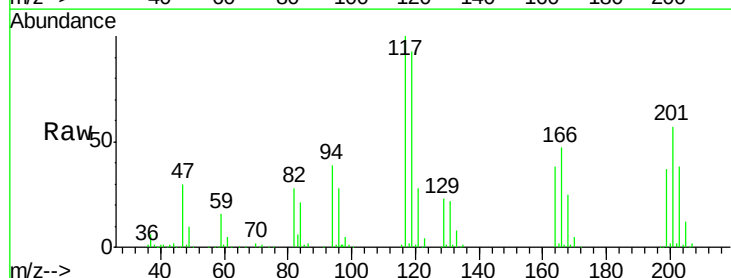
Manual Integrations
APPROVED

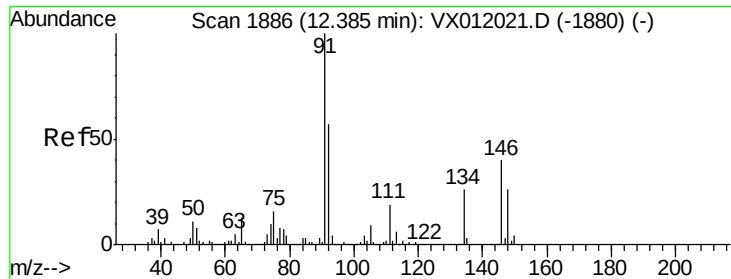
MMDadoda
9/6/2019 12:31:52 PM



#90
Hexachloroethane
Concen: 17.931 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24361		
201	61.9		55.0	165.2





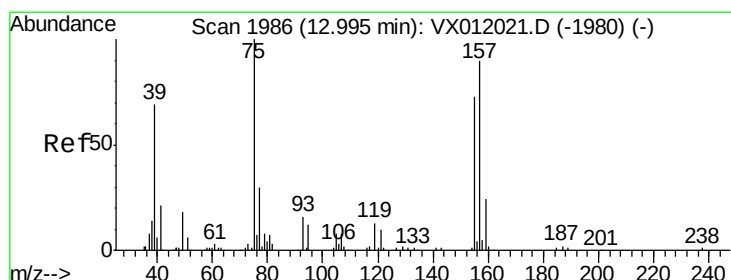
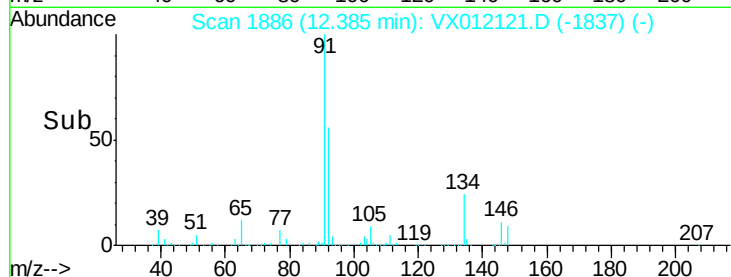
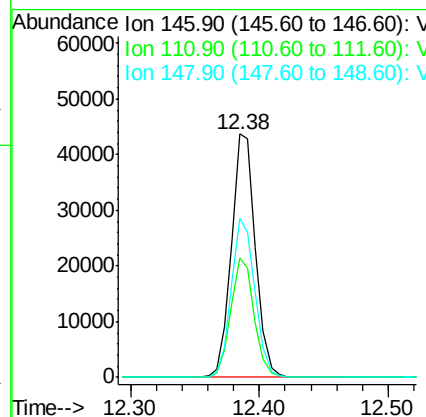
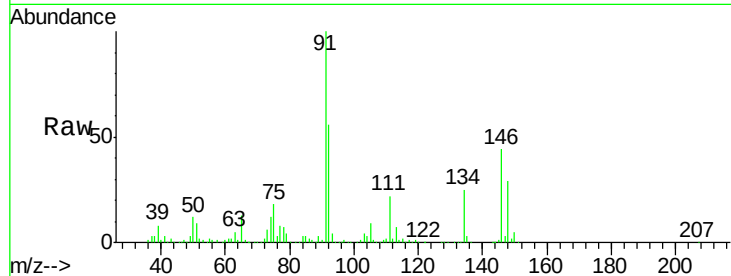
#91
 1,2-Dichlorobenzene
 Concen: 19.696 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	18.6	56.0
148	64.1	32.4	97.2

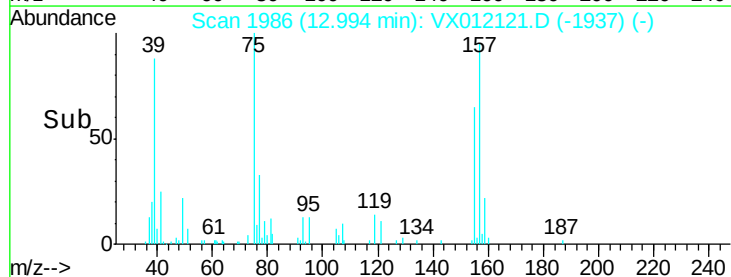
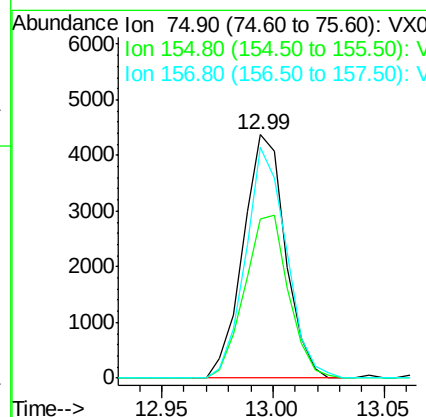
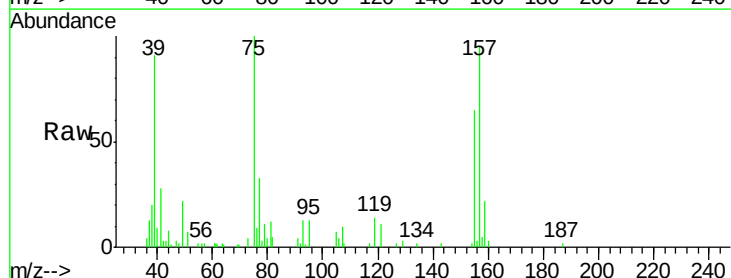
Manual Integrations
 APPROVED

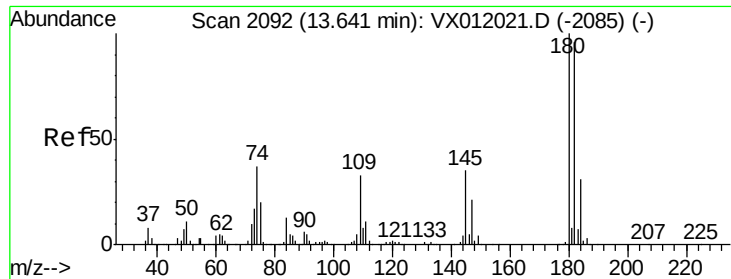
MMDadoda
 9/6/2019 12:31:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.428 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012121.D
 Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	51.7	155.2
157	91.3	66.9	200.7





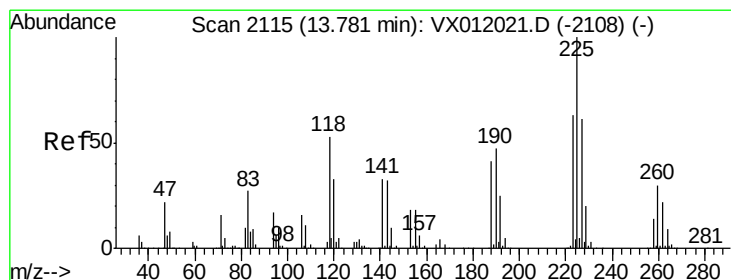
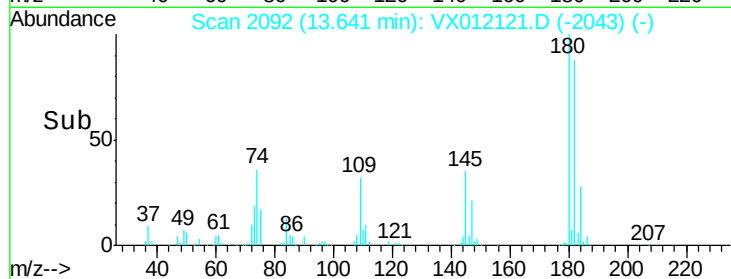
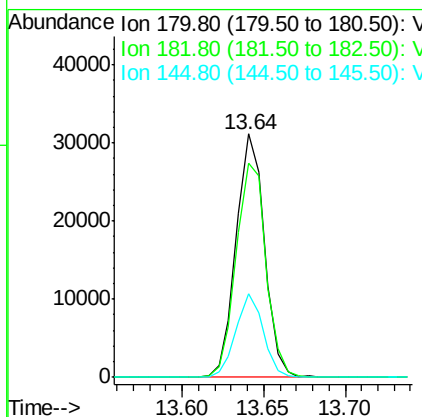
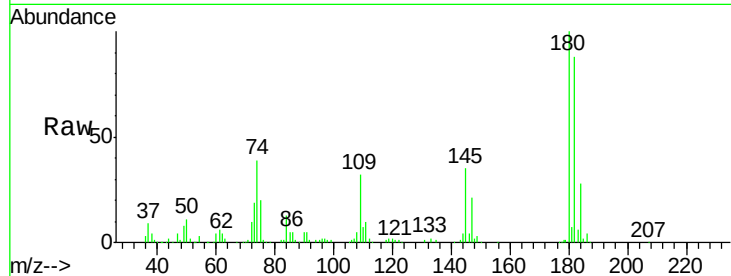
#93
1,2,4-Trichlorobenzene
Concen: 18.237 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	37785		
182	92.9		47.3	142.0
145	33.5		13.7	41.0

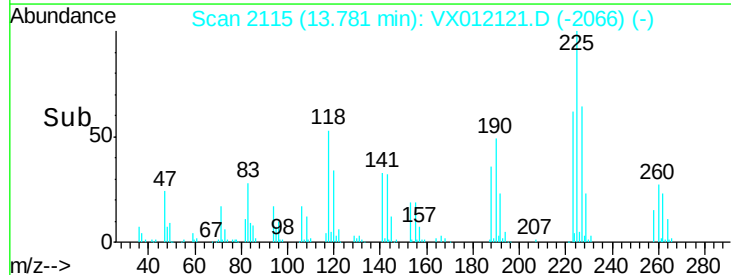
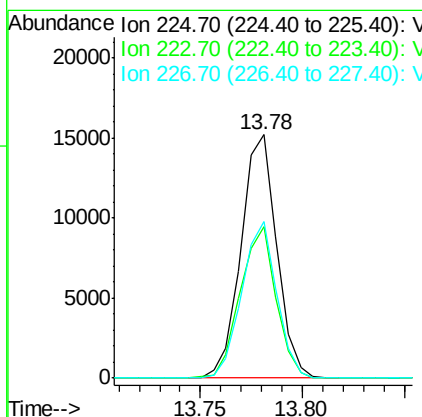
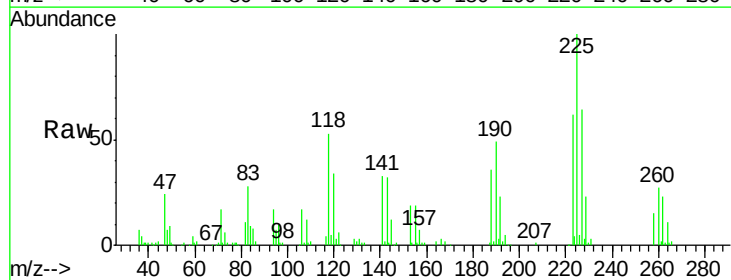
Manual Integrations
APPROVED

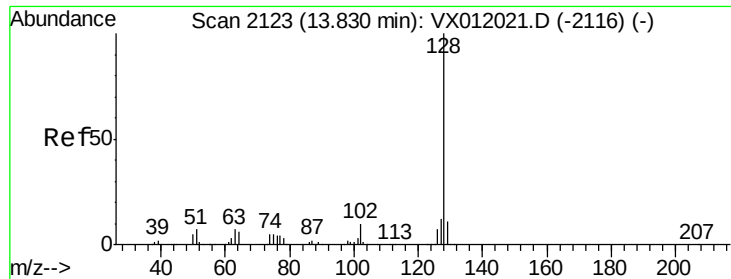
MMDadoda
9/6/2019 12:31:52 PM



#94
Hexachlorobutadiene
Concen: 17.699 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012121.D
Acq: 06 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18484		
223	62.2		31.6	95.0
227	63.1		32.5	97.5





#95

Naphthalene

Concen: 18.659 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Instrument :

MSVOA_X

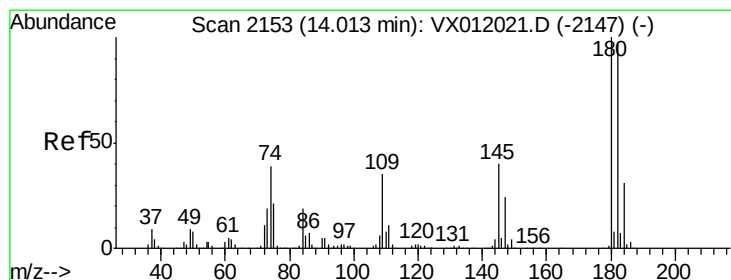
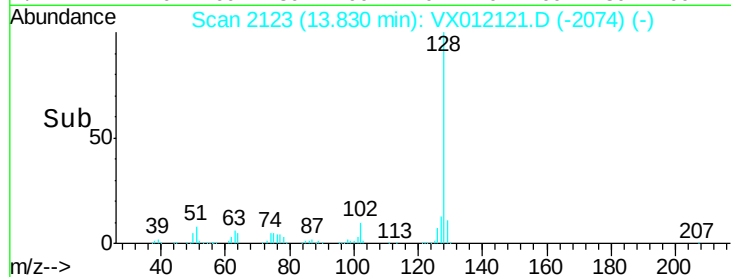
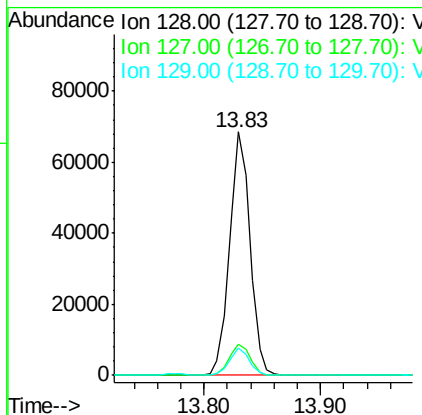
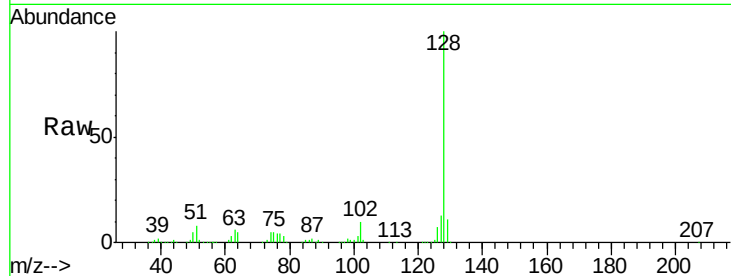
ClientSampleId :

VX0905SBS02

Tot Ion:	128	Resp:	83667
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.376 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012121.D

Acq: 06 Sep 2019 01:56

Tgt Ion:	180	Resp:	33495
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	38.3	14.1	42.4

