

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012145.D
 Acq On : 06 Sep 2019 13:50
 Operator : SY/SP
 Sample : VX0906SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:14 AM

Quant Time: Sep 07 01:24:24 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	5.65	168	128328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	234744	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	212880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	87601	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.48	113	67689	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.71	98	255172	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.13	95	111846	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21754	18.383	ug/l	99
3) Chloromethane	1.31	50	21641	17.856	ug/l	97
4) Vinyl Chloride	1.39	62	20530	18.005	ug/l	97
5) Bromomethane	1.62	94	10361	18.317	ug/l	97
6) Chloroethane	1.70	64	13440	18.960	ug/l	97
7) Trichlorofluoromethane	1.92	101	34577	19.524	ug/l	97
8) Diethyl Ether	2.17	74	12265	20.040	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24648	18.790	ug/l #	82
10) Methyl Iodide	2.50	142	13956	16.028	ug/l	93
11) Tert butyl alcohol	3.03	59	15946	93.759	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	22008	17.416	ug/l	87
13) Acrolein	2.28	56	5875	120.450	ug/l	90
14) Allyl chloride	2.71	41	41288	18.057	ug/l	95
15) Acrylonitrile	3.12	53	36974	96.141	ug/l	99
16) Acetone	2.43	43	40577	95.875	ug/l	100
17) Carbon Disulfide	2.56	76	54520	14.763	ug/l	100
18) Methyl Acetate	2.76	43	19834	19.893	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	79183	19.248	ug/l	98
20) Methylene Chloride	2.84	84	30903	18.183	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	25791	17.393	ug/l	91
22) Diisopropyl ether	3.84	45	91304	19.591	ug/l	95
23) Vinyl Acetate	3.80	43	288607	95.730	ug/l	97
24) 1,1-Dichloroethane	3.68	63	49835	18.437	ug/l	99
25) 2-Butanone	4.65	43	52134	96.771	ug/l	94
26) 2,2-Dichloropropane	4.56	77	48554	19.457	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	31417	18.074	ug/l	90
28) Bromochloromethane	5.00	49	22021	20.410	ug/l #	78
29) Tetrahydrofuran	5.11	42	30643	94.405	ug/l	100
30) Chloroform	5.19	83	55290	19.063	ug/l	95
31) Cyclohexane	5.56	56	38809	17.877	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47306	18.727	ug/l	97
36) 1,1-Dichloropropene	5.78	75	36484	17.646	ug/l	95
37) Ethyl Acetate	4.82	43	21891	19.471	ug/l	98
38) Carbon Tetrachloride	5.76	117	39718	18.231	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012145.D
 Acq On : 06 Sep 2019 13:50
 Operator : SY/SP
 Sample : VX0906SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0906SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:14 AM

Quant Time: Sep 07 01:24:24 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	41182	17.162	ug/l	97
40) Benzene	6.13	78	105751	17.817	ug/l	97
41) Methacrylonitrile	5.03	41	13165	19.635	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42546	19.919	ug/l	97
43) Isopropyl Acetate	6.43	43	43520	19.037	ug/l	98
44) Trichloroethene	7.20	130	28395	17.737	ug/l	85
45) 1,2-Dichloropropane	7.50	63	29125	18.993	ug/l	99
46) Dibromomethane	7.65	93	16644	18.593	ug/l #	72
47) Bromodichloromethane	7.89	83	41281	18.142	ug/l	97
48) Methyl methacrylate	7.76	41	21669	18.852	ug/l	92
49) 1,4-Dioxane	7.73	88	5423	346.088	ug/l	90
51) 4-Methyl-2-Pentanone	8.64	43	113494	97.606	ug/l	98
52) Toluene	8.78	92	69706	18.050	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	42647	18.103	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	47702	18.209	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	23844	18.631	ug/l	97
56) Ethyl methacrylate	9.17	69	32976	17.988	ug/l	93
57) 1,3-Dichloropropane	9.37	76	41975	19.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	77554	93.837	ug/l	94
59) 2-Hexanone	9.48	43	82174	96.852	ug/l	97
60) Dibromochloromethane	9.57	129	27601	18.095	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23036	18.627	ug/l	97
64) Tetrachloroethene	9.33	164	24438	18.413	ug/l	90
65) Chlorobenzene	10.14	112	77082	18.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	29083	18.936	ug/l	98
67) Ethyl Benzene	10.25	91	139668	18.242	ug/l	96
68) m/p-Xylenes	10.35	106	104293	36.972	ug/l	90
69) o-Xylene	10.70	106	50084	18.310	ug/l	89
70) Styrene	10.71	104	88840	18.699	ug/l	95
71) Bromoform	10.85	173	14535	17.231	ug/l #	100
73) Isopropylbenzene	11.01	105	140061	18.736	ug/l	96
74) N-amyl acetate	10.89	43	42007	19.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29875	19.170	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	26413m	21.218	ug/l	
77) Bromobenzene	11.25	156	32059	19.176	ug/l	70
78) n-propylbenzene	11.35	91	169750	18.796	ug/l	94
79) 2-Chlorotoluene	11.42	91	101492	18.550	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	124536	19.010	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	8724	16.568	ug/l	87
82) 4-Chlorotoluene	11.51	91	123691	18.967	ug/l	92
83) tert-Butylbenzene	11.77	119	120446	19.290	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	126813	18.835	ug/l	93
85) sec-Butylbenzene	11.94	105	145234	18.727	ug/l	94
86) p-Isopropyltoluene	12.06	119	130517	18.505	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	62672	18.708	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	62546	18.672	ug/l	93
89) n-Butylbenzene	12.39	91	126156	18.413	ug/l	96
90) Hexachloroethane	12.59	117	24609	17.475	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	58751	19.472	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6218	19.067	ug/l	57

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090619\
Data File : VX012145.D
Acq On : 06 Sep 2019 13:50
Operator : SY/SP
Sample : VX0906SBS01
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

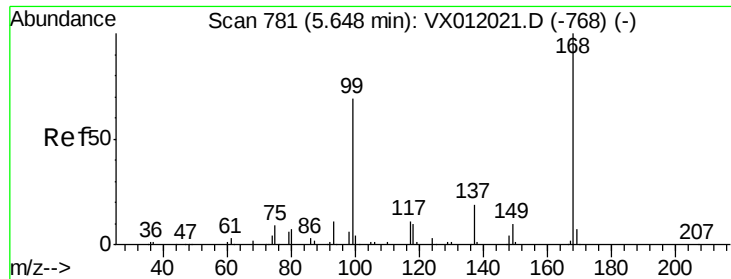
Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM

Quant Time: Sep 07 01:24:24 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	36601	17.043	µg/l	94
94) Hexachlorobutadiene	13.78	225	19658	18.159	µg/l	98
95) Naphthalene	13.83	128	77369	16.646	µg/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32557	17.232	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion:168 Resp: 128328

Ion Ratio Lower Upper

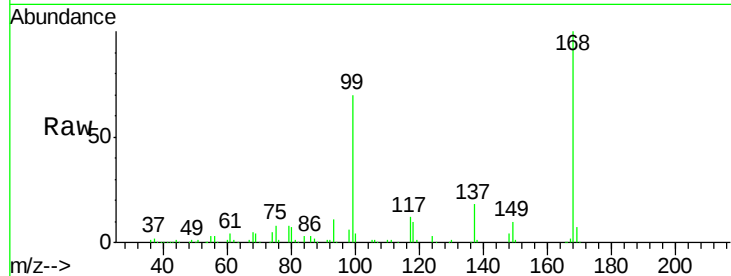
168 100

99 70.3 37.6 56.4#

Manual Integrations
APPROVED

MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

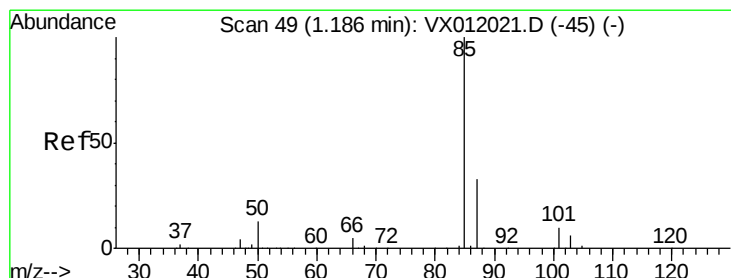
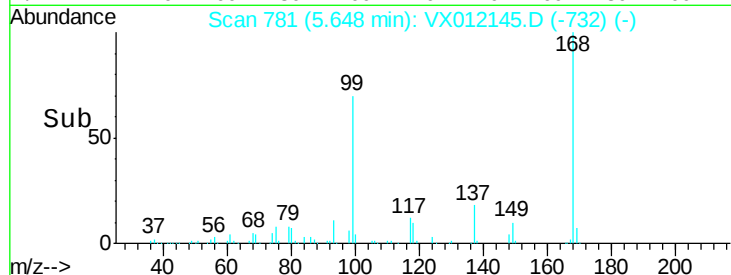
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.383 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012145.D

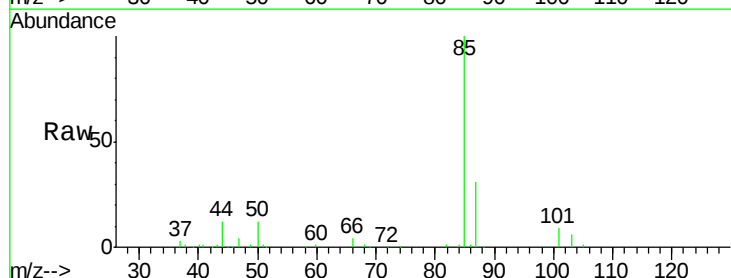
Acq: 06 Sep 2019 13:50

Tgt Ion: 85 Resp: 21754

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

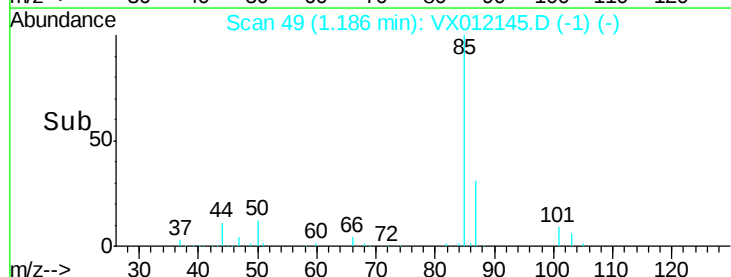
10000

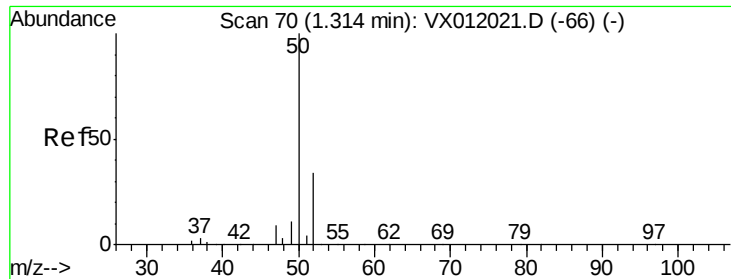
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.856 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 50 Resp: 21641

Ion Ratio Lower Upper

50 100

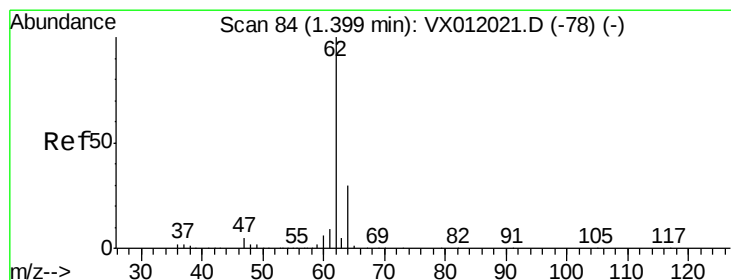
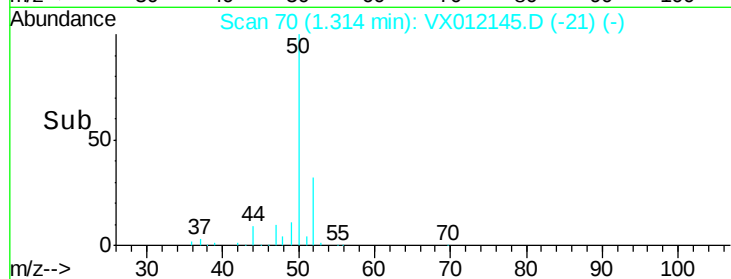
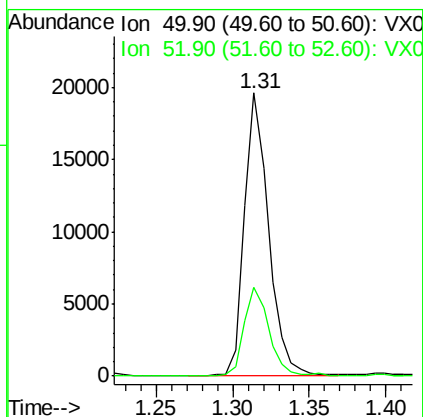
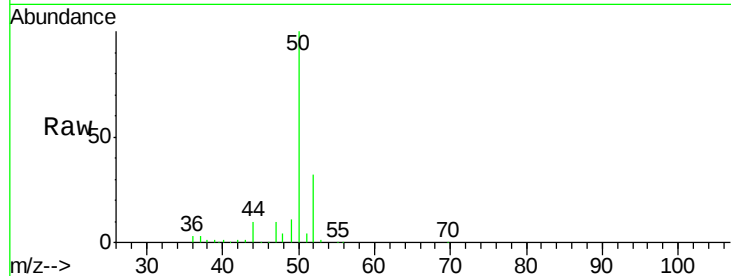
52 31.6 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#4

Vinyl Chloride

Concen: 18.005 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012145.D

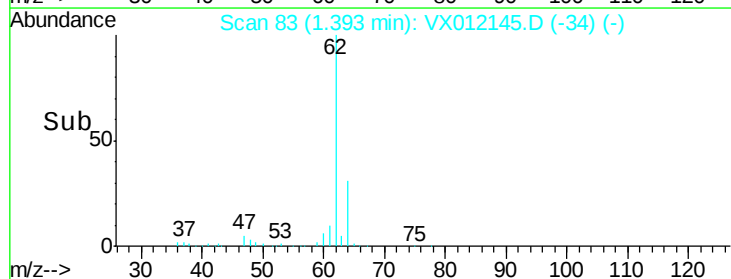
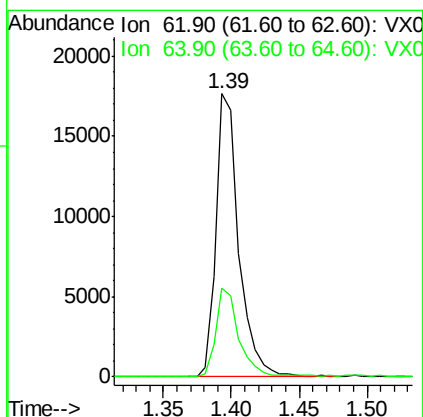
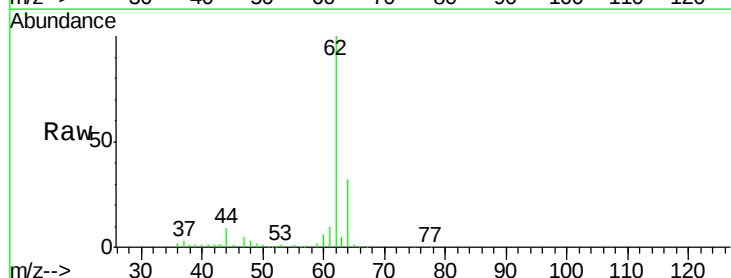
Acq: 06 Sep 2019 13:50

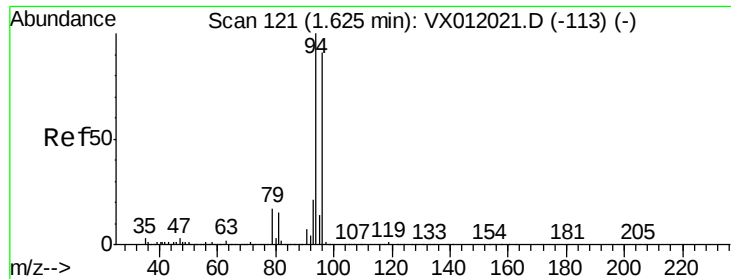
Tgt Ion: 62 Resp: 20530

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4





#5

Bromomethane

Concen: 18.317 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 94 Resp: 10361

Ion Ratio Lower Upper

94 100

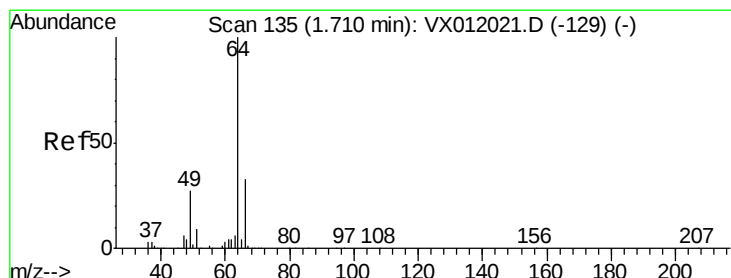
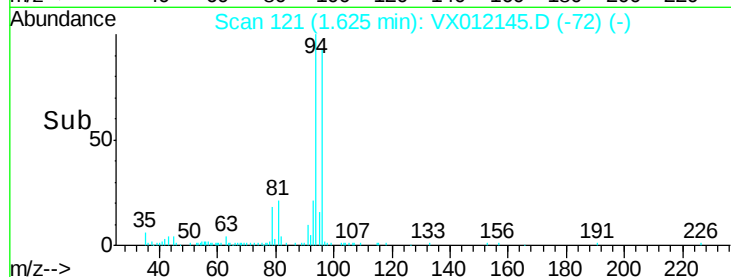
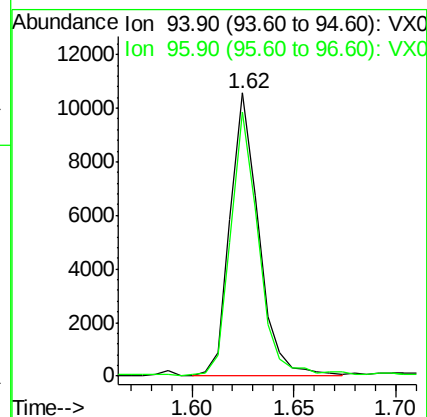
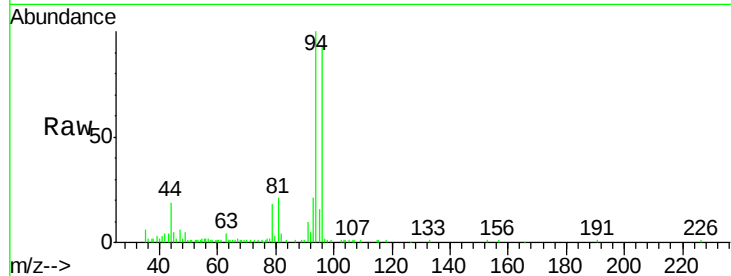
96 92.4 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#6

Chloroethane

Concen: 18.960 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012145.D

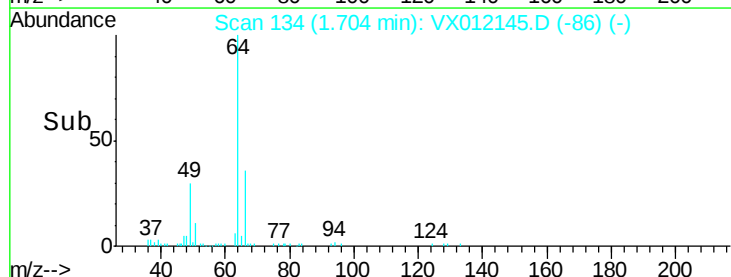
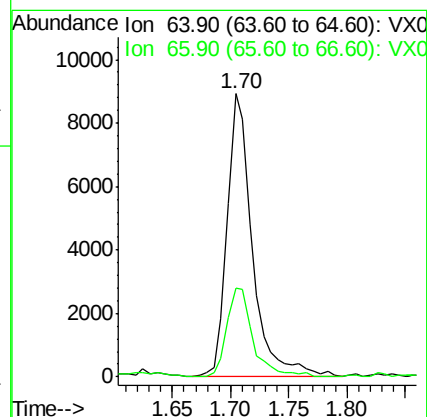
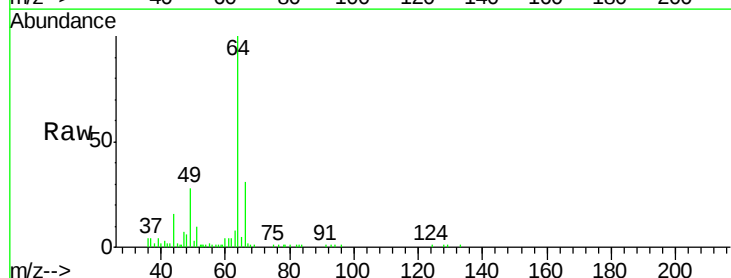
Acq: 06 Sep 2019 13:50

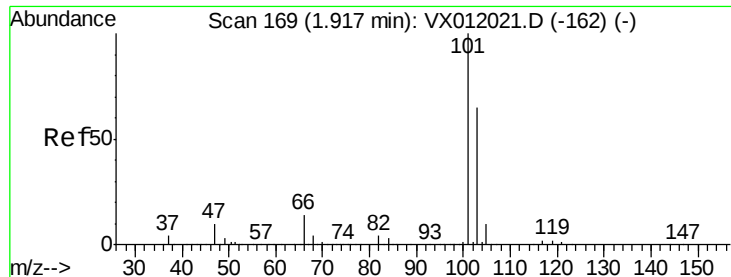
Tgt Ion: 64 Resp: 13440

Ion Ratio Lower Upper

64 100

66 31.4 26.3 39.5





#7

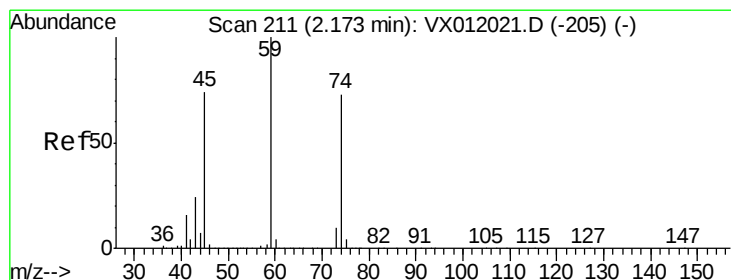
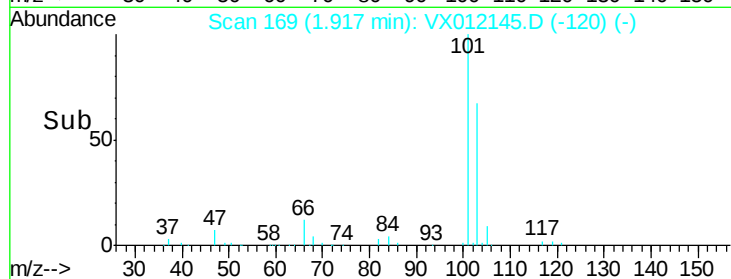
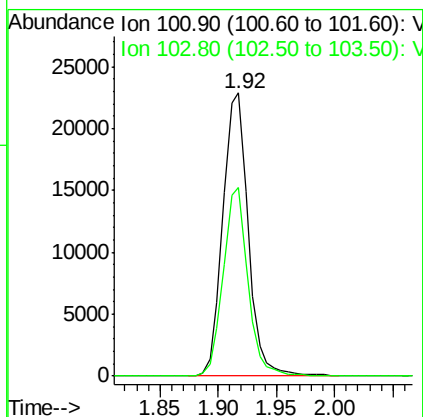
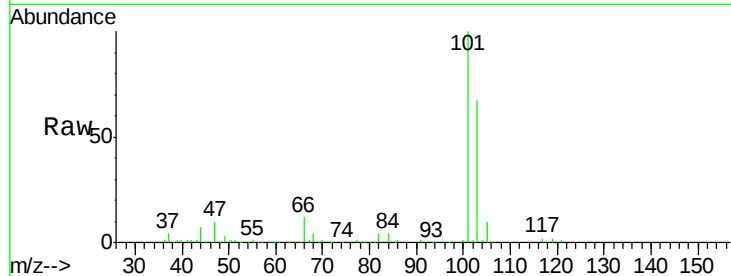
Trichlorofluoromethane
Concen: 19.524 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion:101 Resp: 34577
Ion Ratio Lower Upper
101 100
103 66.8 51.6 77.4

Manual Integrations
APPROVED

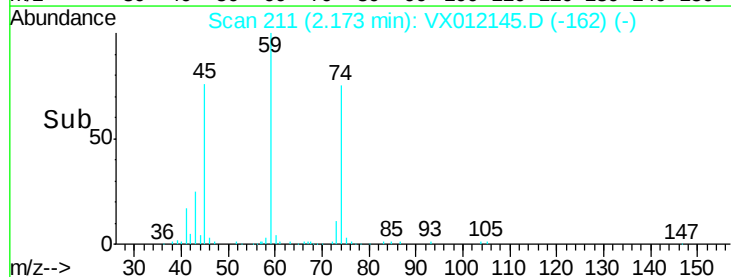
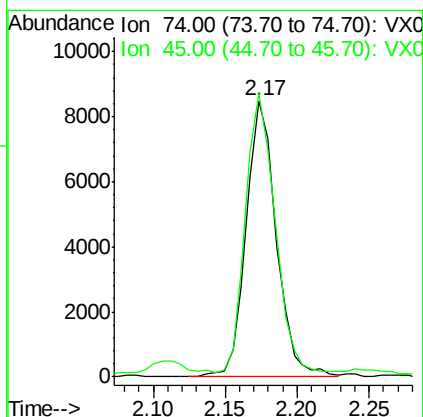
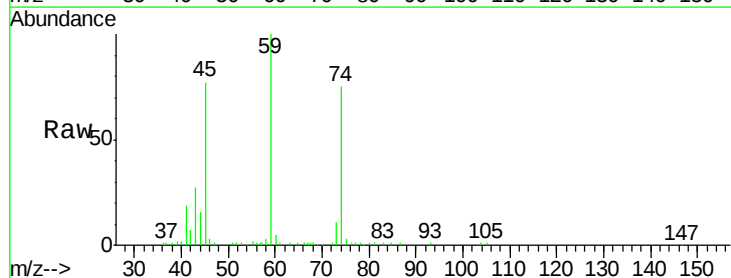
MMDadoda
9/9/2019 10:50:14 AM

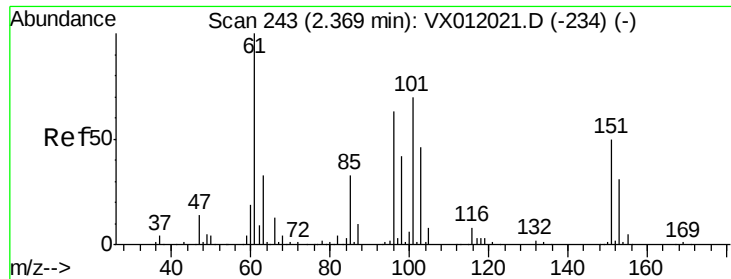


#8

Diethyl Ether
Concen: 20.040 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 74 Resp: 12265
Ion Ratio Lower Upper
74 100
45 100.0 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.790 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion:101 Resp: 24648

Ion Ratio Lower Upper

101 100

85 45.5 34.5 51.7

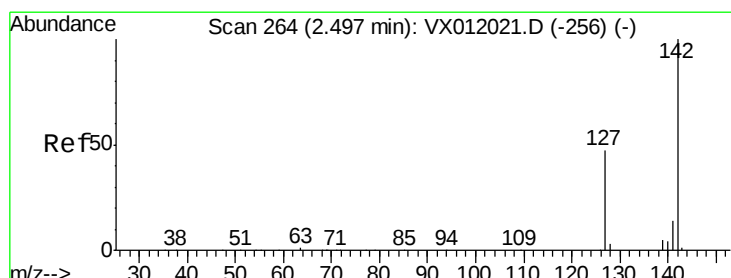
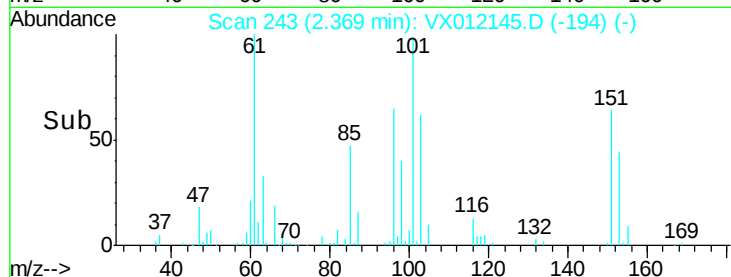
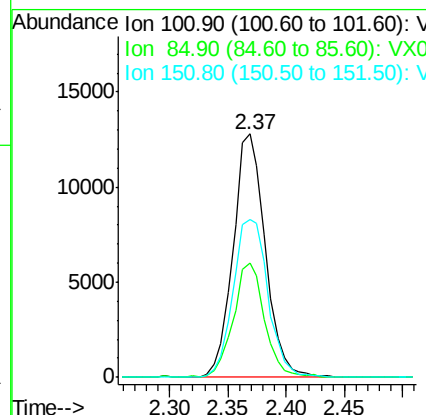
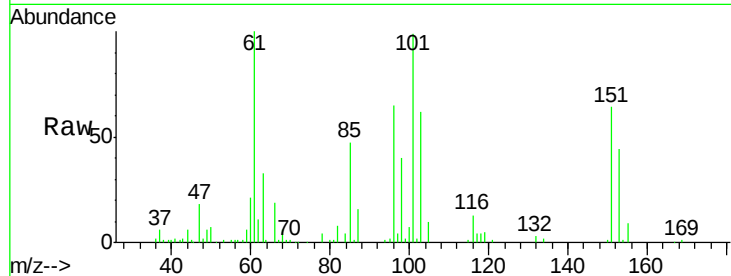
151 70.3 75.0 112.4#

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#10

Methyl Iodide

Concen: 16.028 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

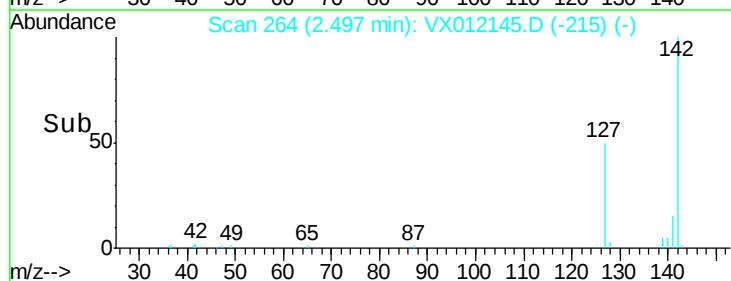
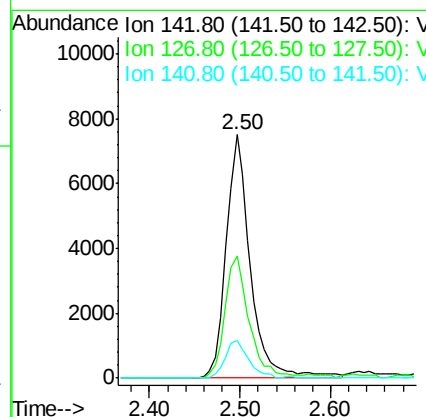
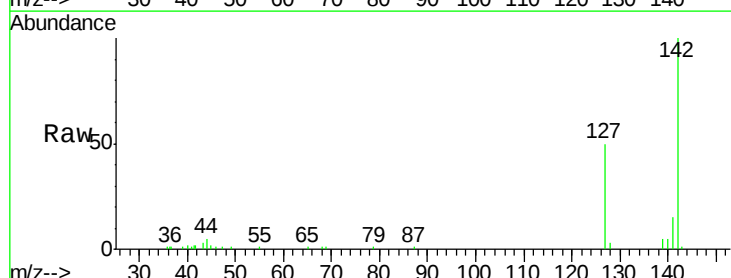
Tgt Ion:142 Resp: 13956

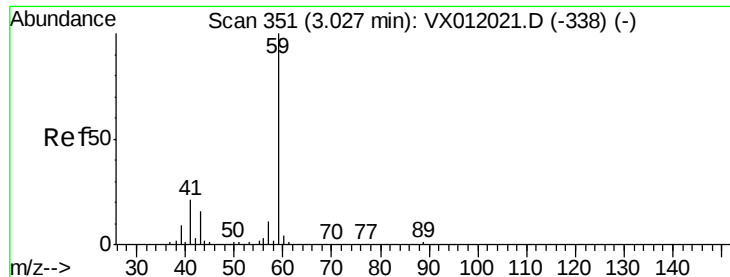
Ion Ratio Lower Upper

142 100

127 50.2 35.4 53.2

141 14.9 11.4 17.2





#11

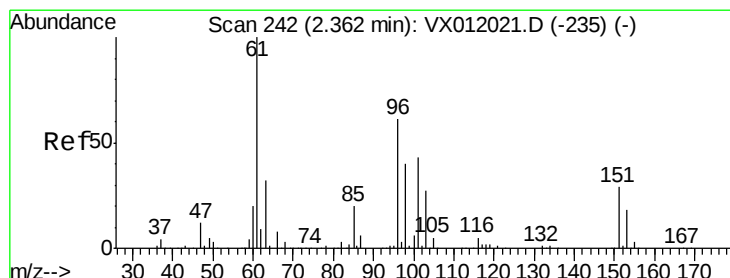
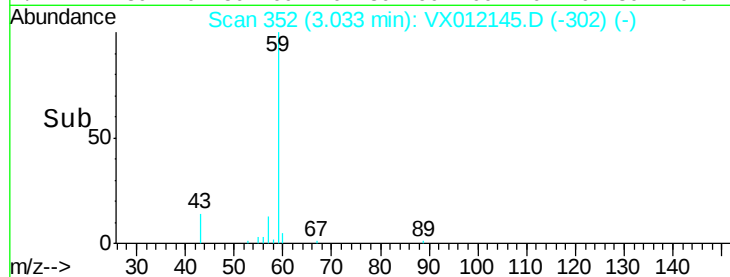
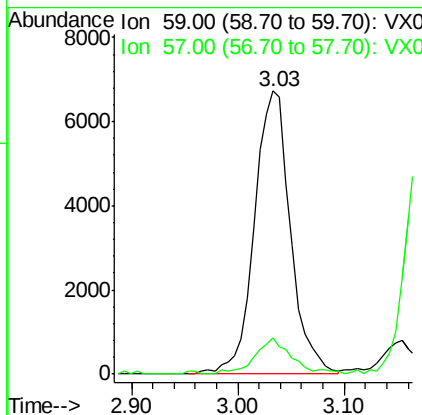
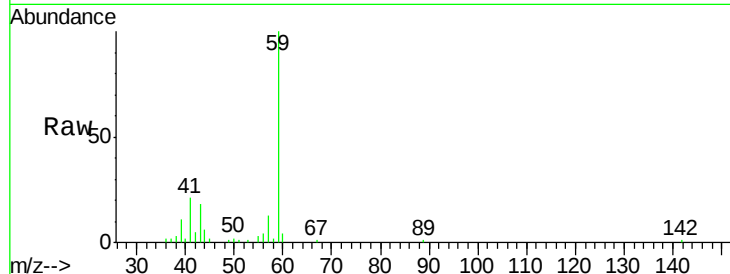
Tert butyl alcohol
Concen: 93.759 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 59 Resp: 15946
Ion Ratio Lower Upper
59 100
57 12.3 7.9 11.9#

Manual Integrations
APPROVED

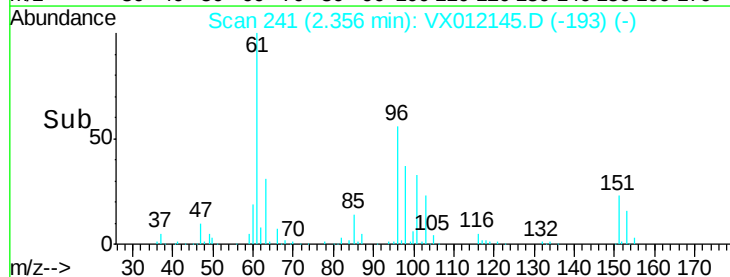
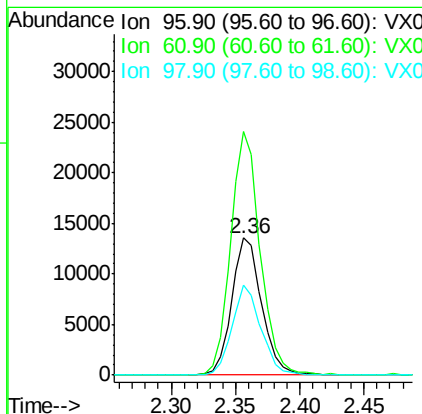
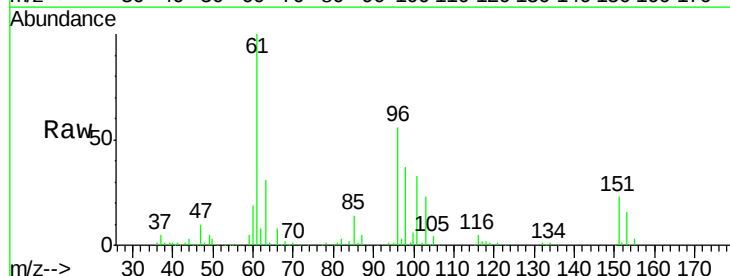
MMDadoda
9/9/2019 10:50:14 AM

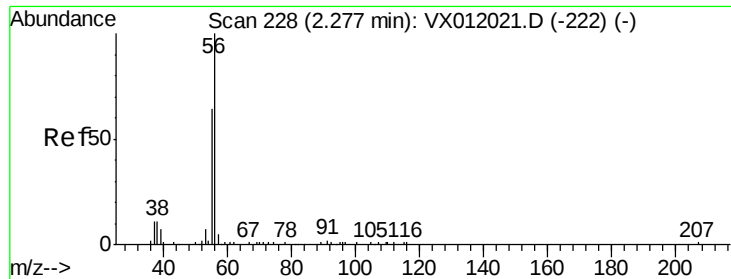


#12

1,1-Dichloroethene
Concen: 17.416 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 96 Resp: 22008
Ion Ratio Lower Upper
96 100
61 177.1 124.1 186.1
98 65.6 50.2 75.2





#13

Acrolein

Concen: 120.450 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 56 Resp: 5875

Ion Ratio Lower Upper

56 100

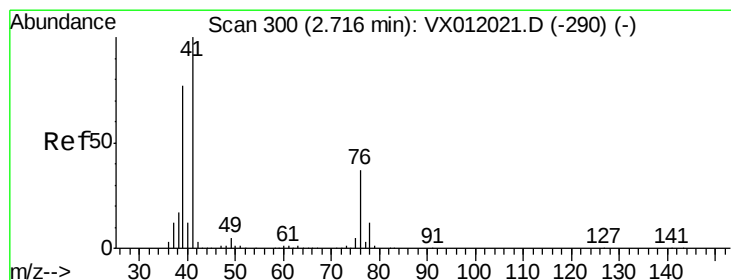
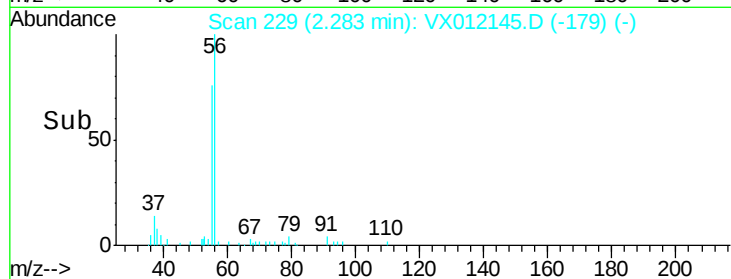
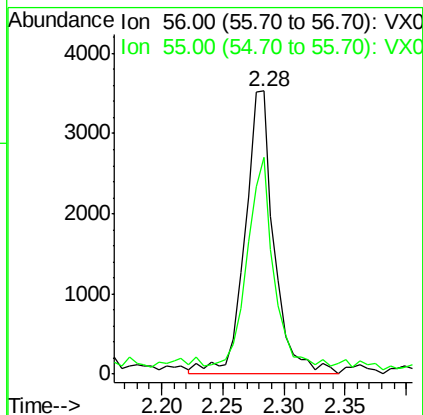
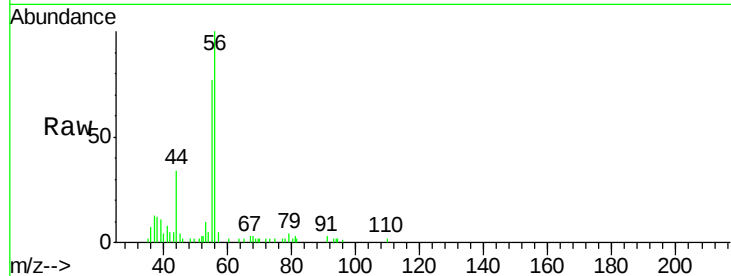
55 65.2 59.2 88.8

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#14

Allyl chloride

Concen: 18.057 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

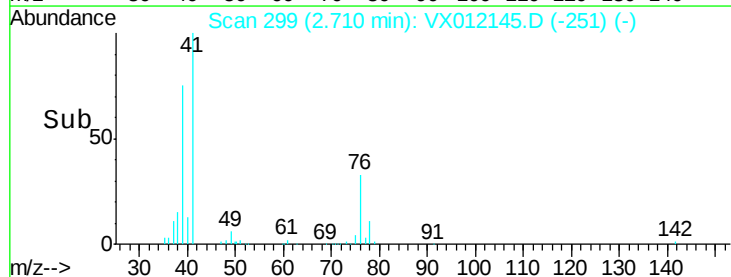
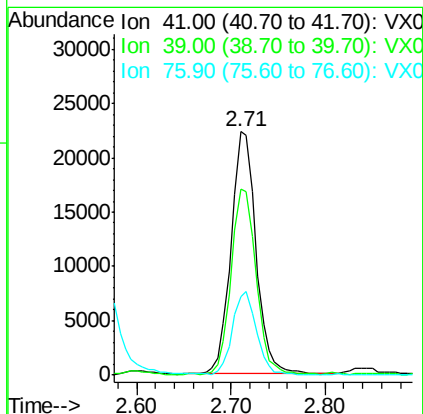
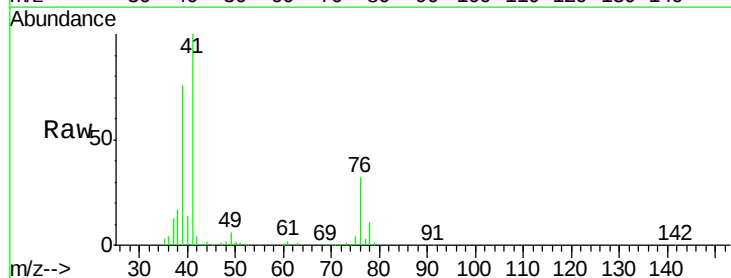
Tgt Ion: 41 Resp: 41288

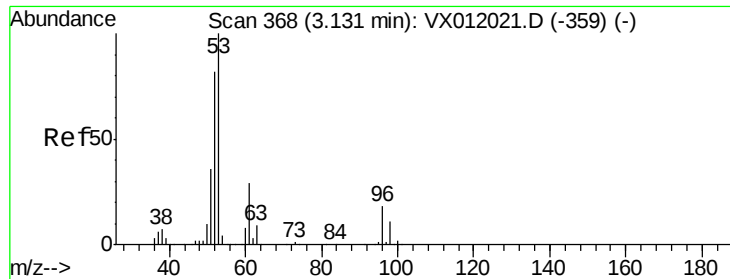
Ion Ratio Lower Upper

41 100

39 76.7 57.9 86.9

76 33.6 28.5 42.7





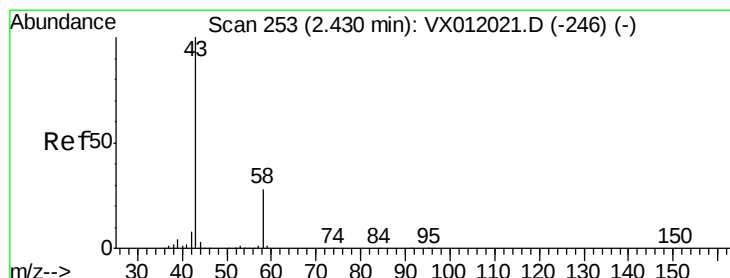
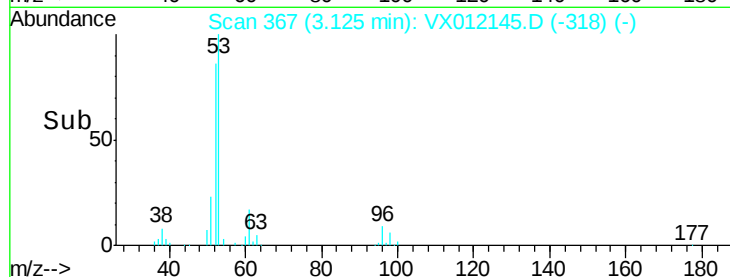
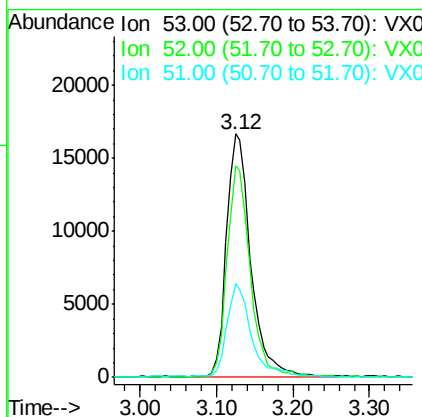
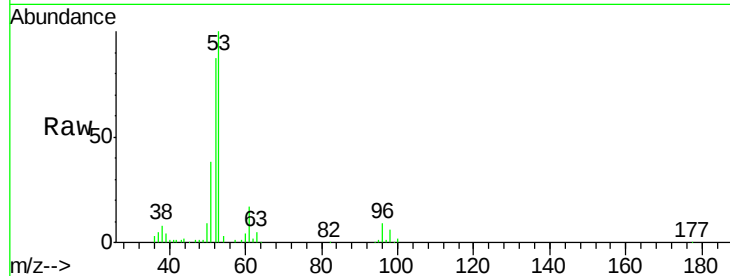
#15
 Acrylonitrile
 Concen: 96.141 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.6	98.4
51	36.6	29.8	44.6

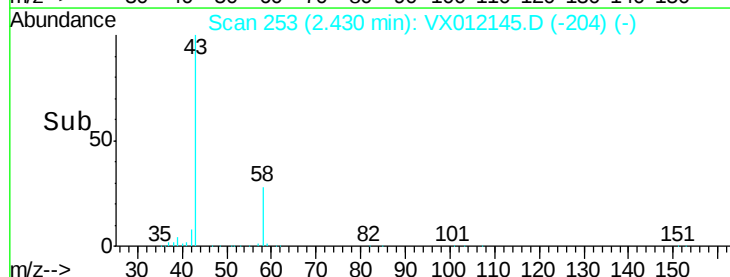
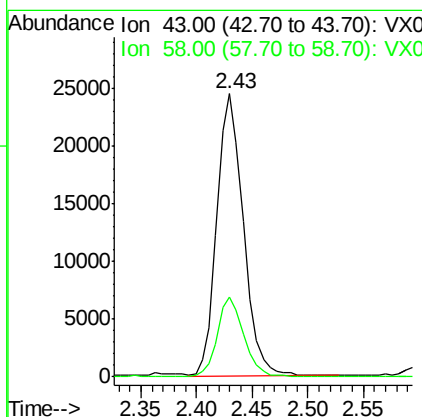
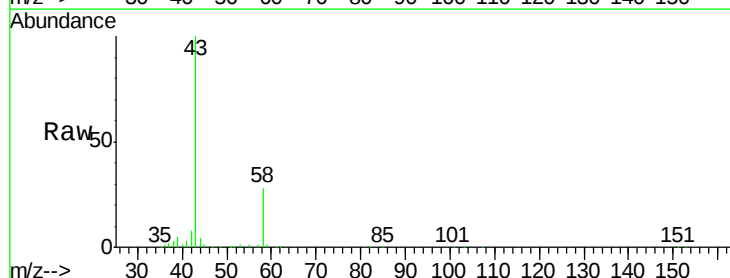
Manual Integrations
 APPROVED

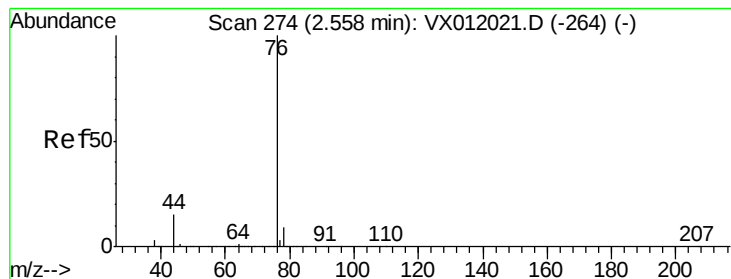
MMDadoda
 9/9/2019 10:50:14 AM



#16
 Acetone
 Concen: 95.875 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.8	34.2





#17

Carbon Disulfide

Concen: 14.763 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 76 Resp: 54520

Ion Ratio Lower Upper

76 100

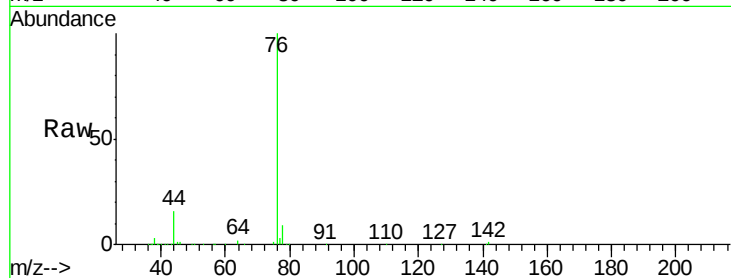
78 9.2 7.4 11.2

Manual Integrations

APPROVED

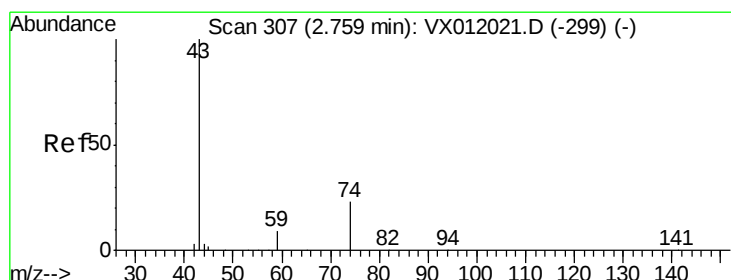
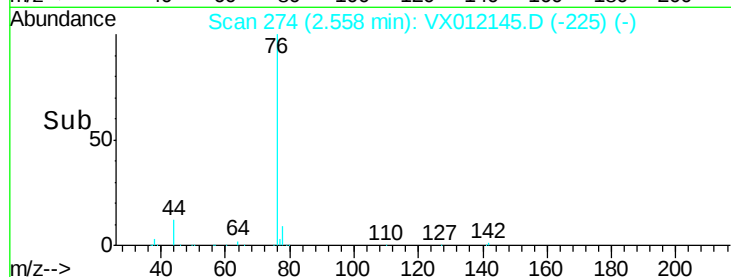
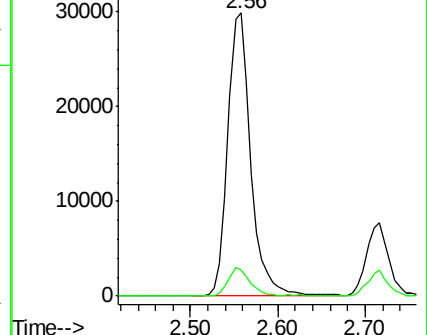
MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.893 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012145.D

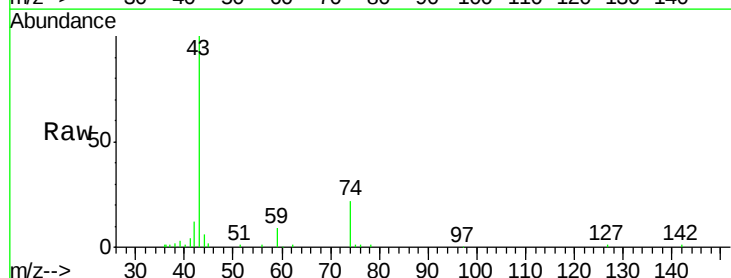
Acq: 06 Sep 2019 13:50

Tgt Ion: 43 Resp: 19834

Ion Ratio Lower Upper

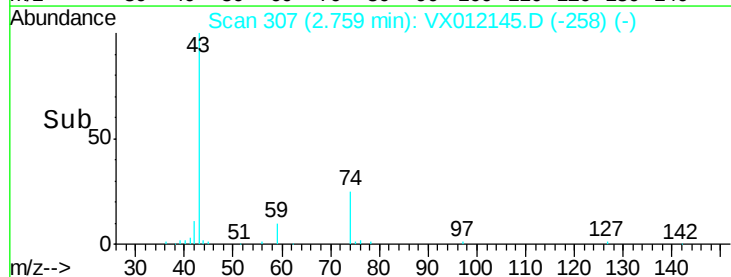
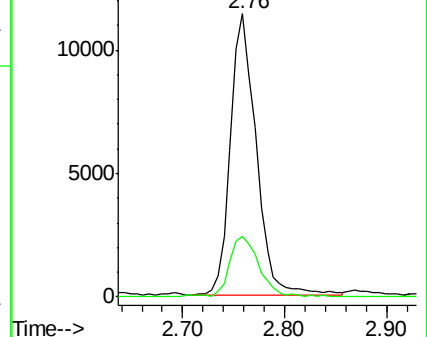
43 100

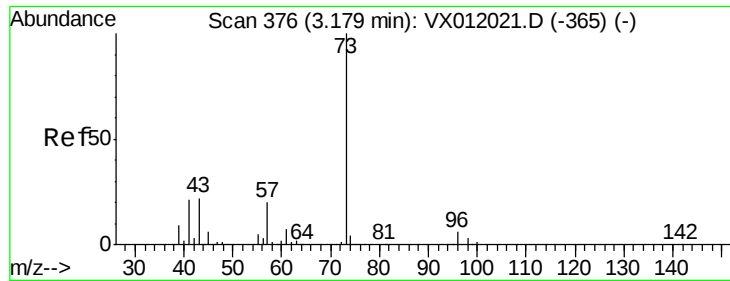
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





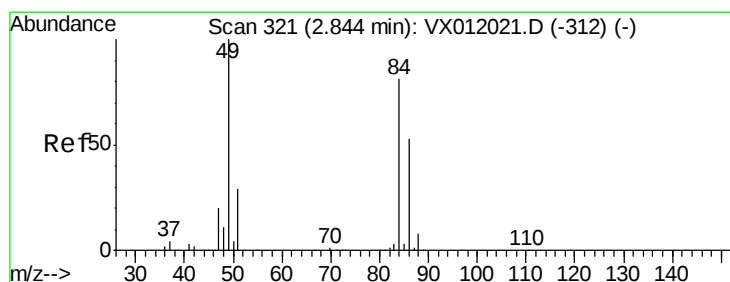
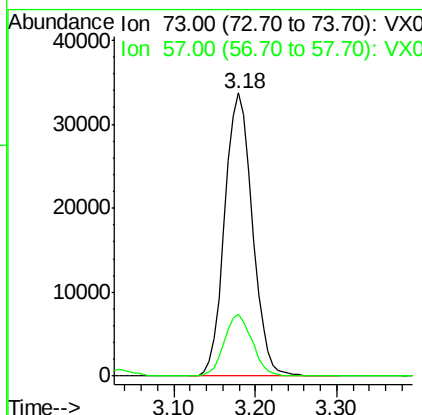
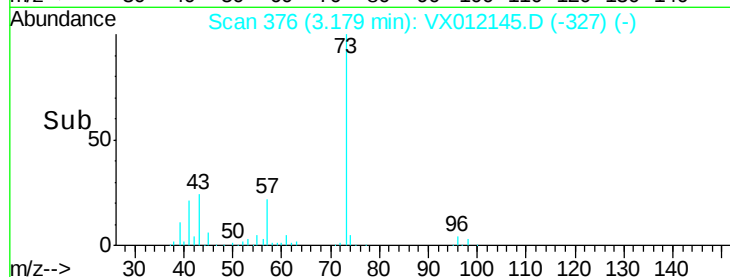
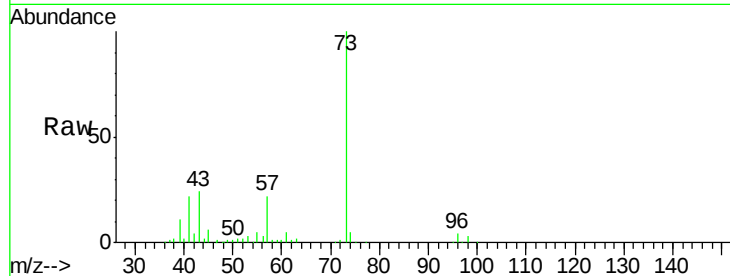
#19
Methyl tert-butyl Ether
Concen: 19.248 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 73 Resp: 79183
Ion Ratio Lower Upper
73 100
57 21.7 16.6 25.0

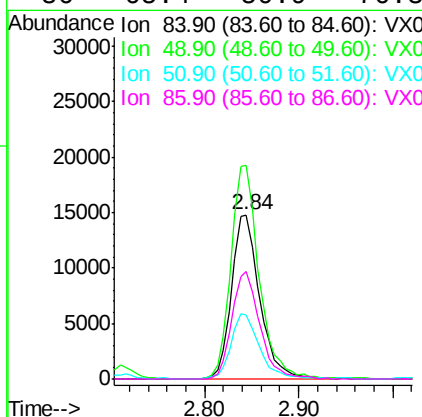
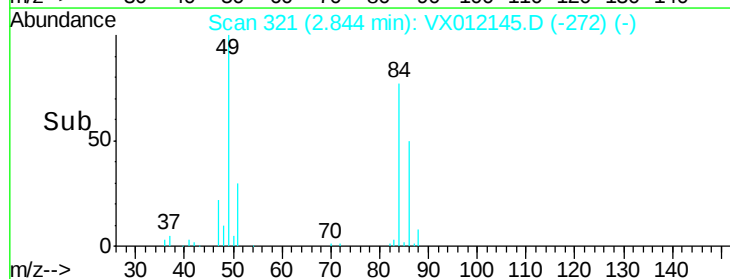
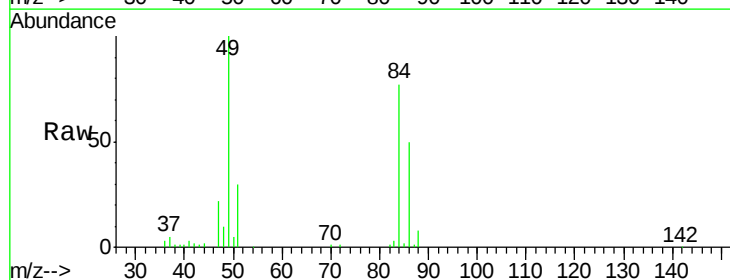
Manual Integrations
APPROVED

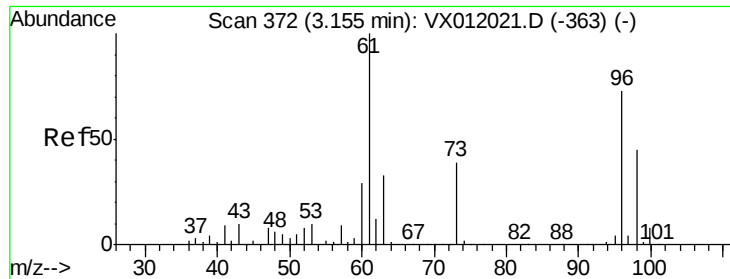
MMDadoda
9/9/2019 10:50:14 AM



#20
Methylene Chloride
Concen: 18.183 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 84 Resp: 30903
Ion Ratio Lower Upper
84 100
49 129.9 95.8 143.8
51 39.1 28.6 43.0
86 65.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.393 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 96 Resp: 25791

Ion Ratio Lower Upper

96 100

61 147.3 107.0 160.6

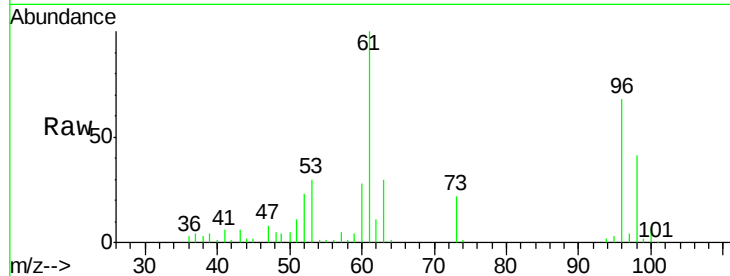
98 59.7 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM

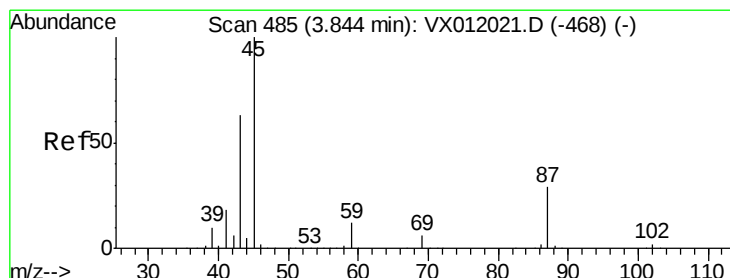
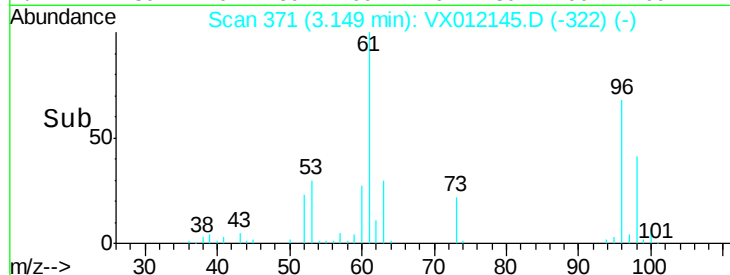
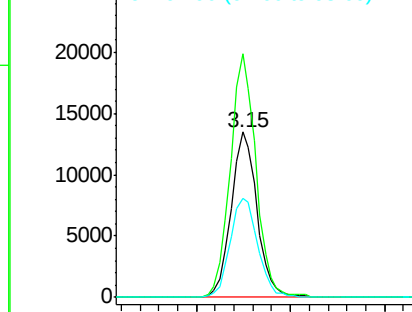


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.591 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion: 45 Resp: 91304

Ion Ratio Lower Upper

45 100

43 72.6 54.2 81.4

87 27.2 23.4 35.0

59 11.1 9.0 13.6

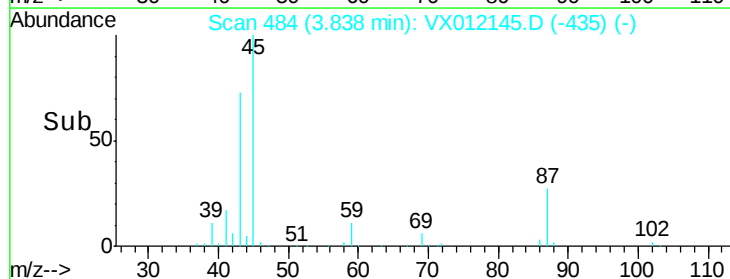
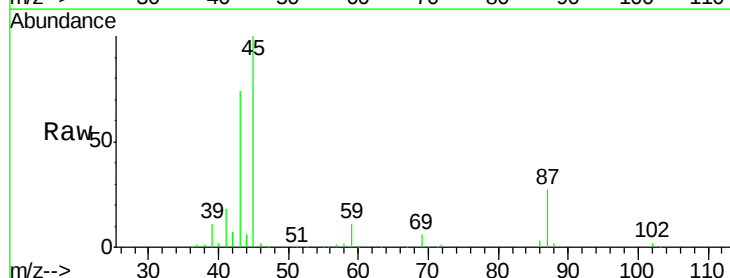
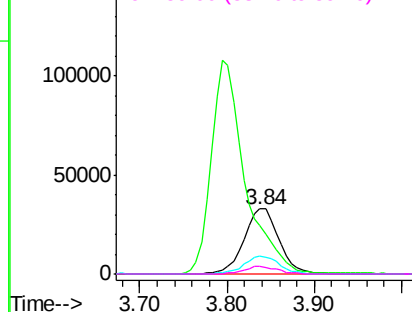
Abundance

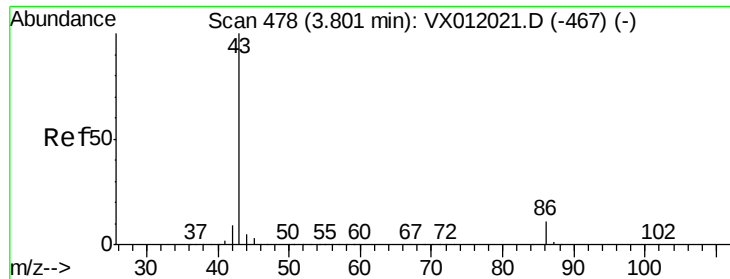
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





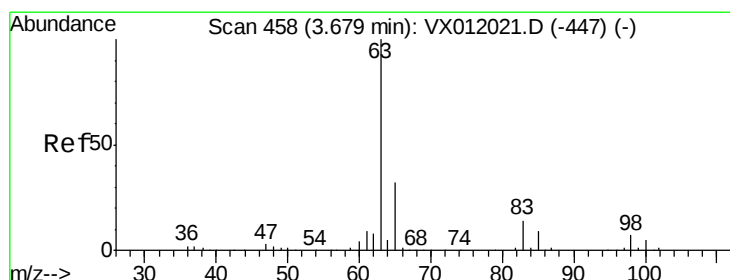
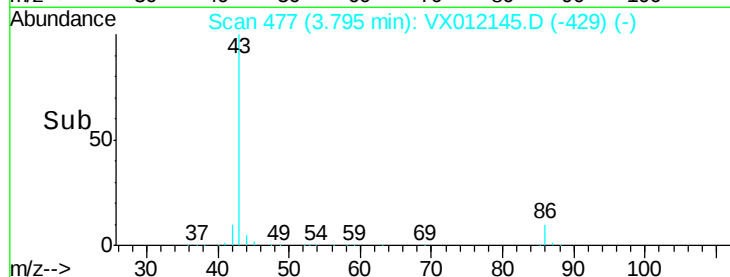
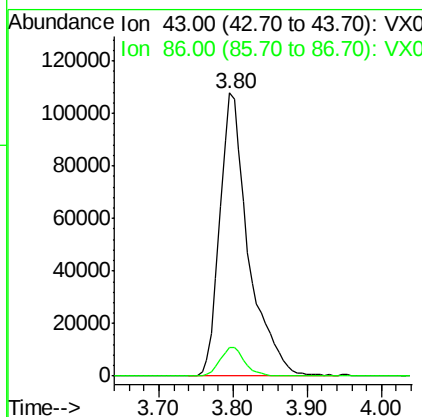
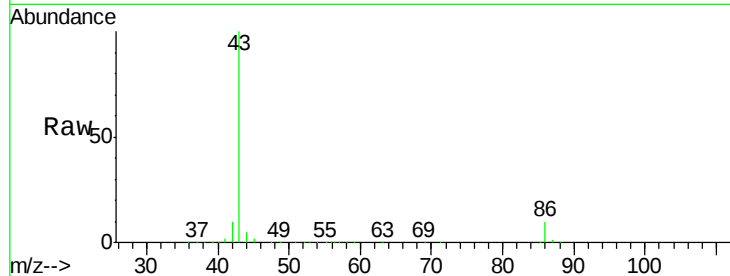
#23
 Vinyl Acetate
 Concen: 95.730 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	43	Resp	288607
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	9.0	13.6

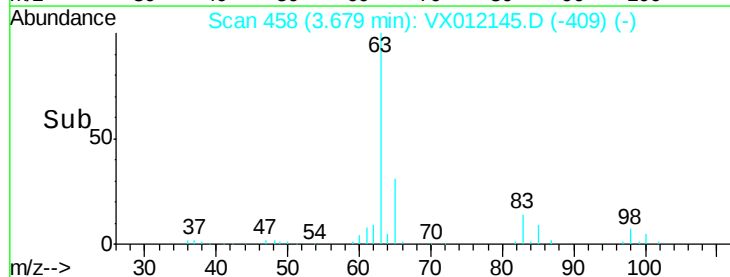
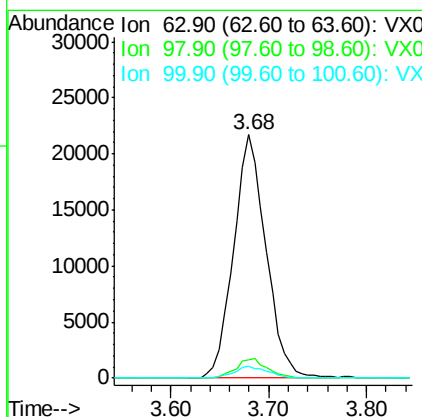
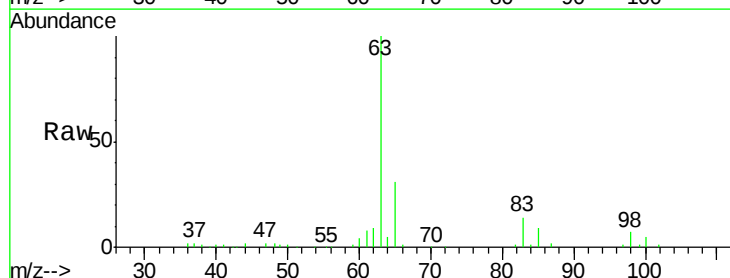
Manual Integrations
 APPROVED

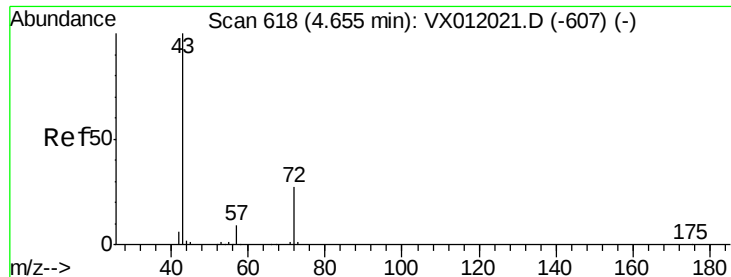
MMDadoda
 9/9/2019 10:50:14 AM



#24
 1,1-Dichloroethane
 Concen: 18.437 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	63	Resp	49835
Ion Ratio	100	Lower	Upper
63	100		
98	7.4	3.9	11.7
100	4.7	2.5	7.4





#25

2-Butanone

Concen: 96.771 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tot Ion: 43 Resp: 52134

Ion Ratio Lower Upper

43 100

72 23.7 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

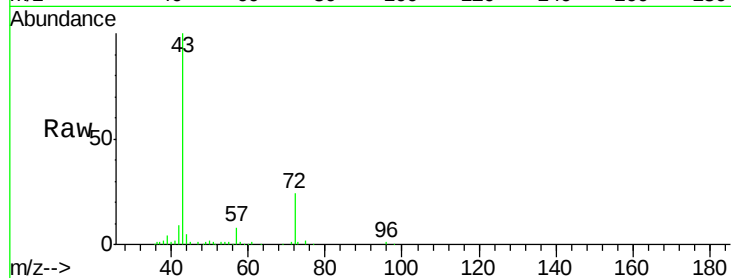
VX0906SBS01

Manual Integrations

APPROVED

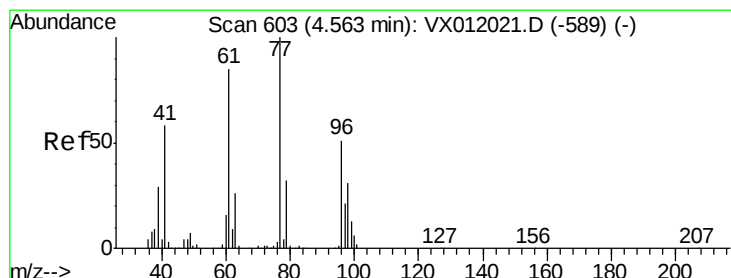
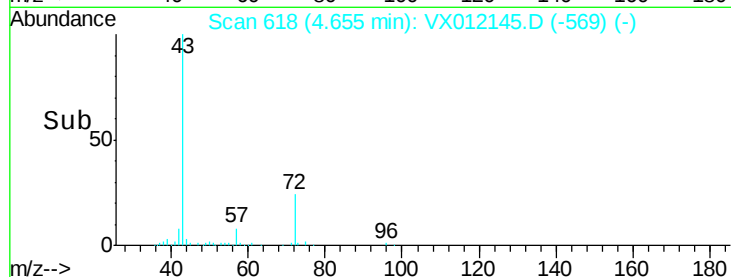
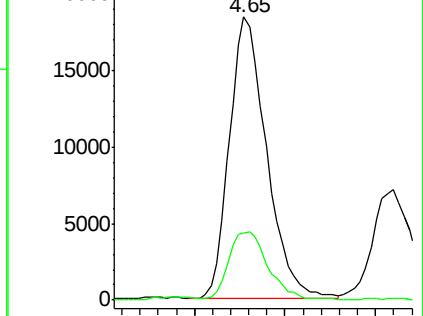
MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012145.D

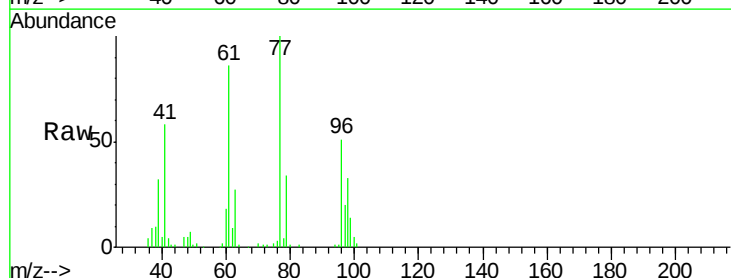
Acq: 06 Sep 2019 13:50

Tgt Ion: 77 Resp: 48554

Ion Ratio Lower Upper

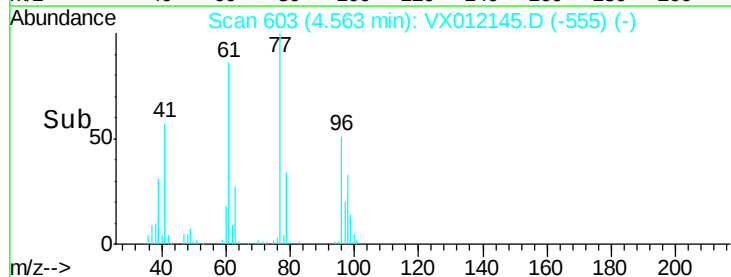
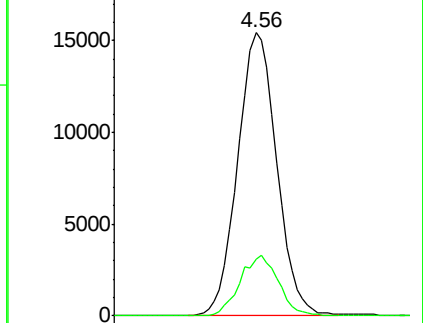
77 100

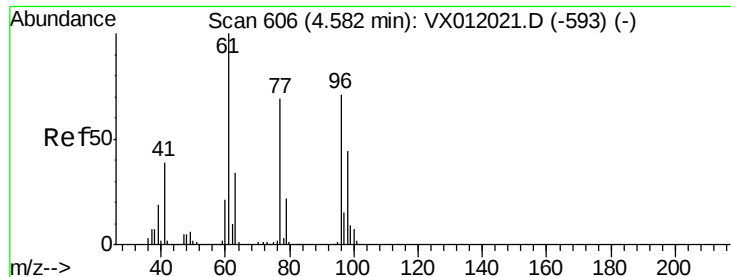
97 20.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

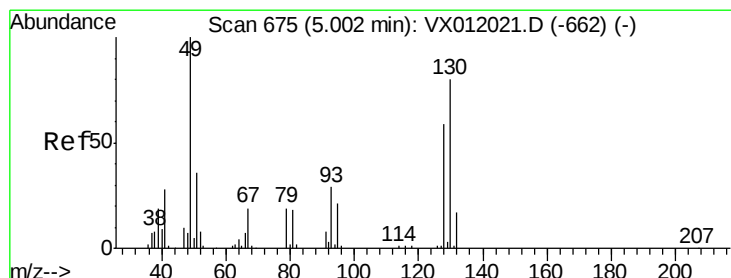
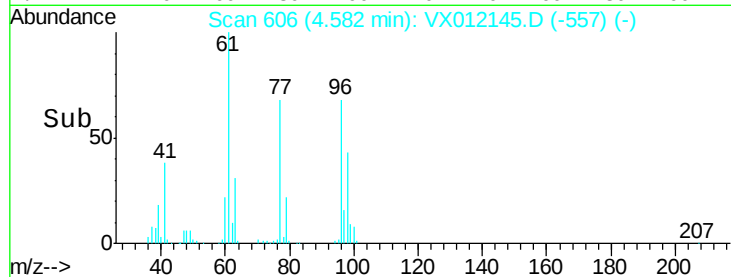
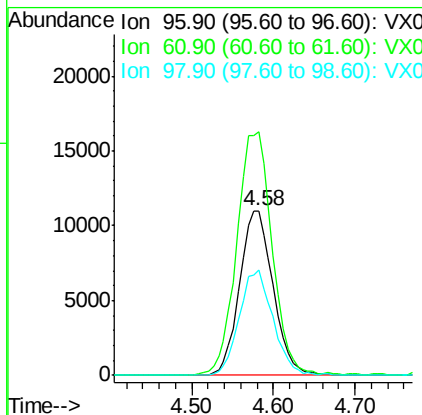
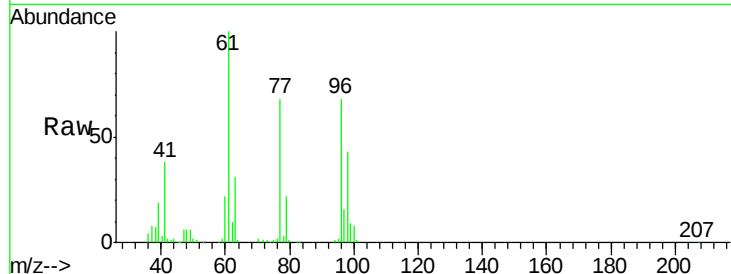
cis-1,2-Dichloroethene
 Concen: 18.074 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31417		
61	155.8	0.0	277.0	
98	64.3	0.0	128.4	

Manual Integrations
 APPROVED

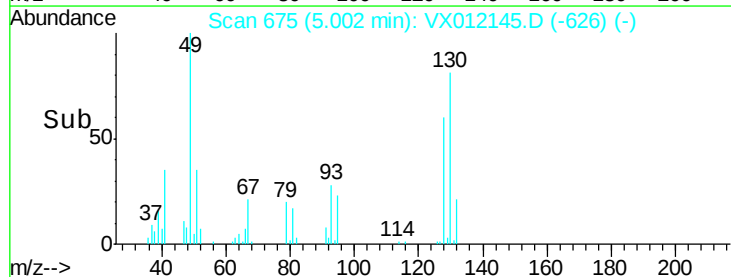
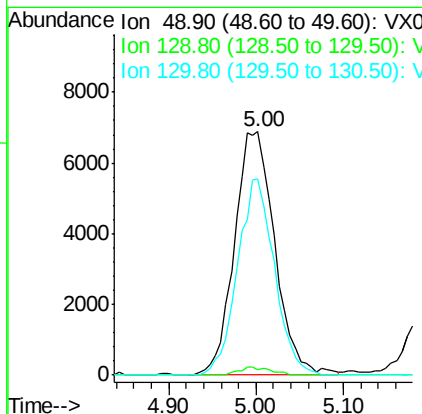
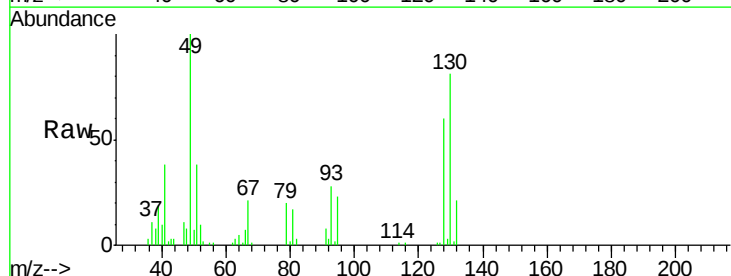
MMDadoda
 9/9/2019 10:50:14 AM

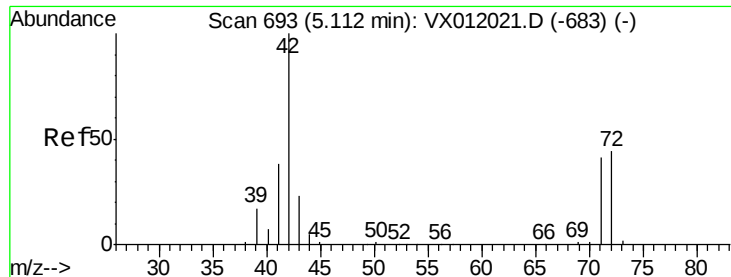


#28

Bromochloromethane
 Concen: 20.410 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22021		
129	2.6	0.0	5.6	
130	73.9	76.7	115.1#	





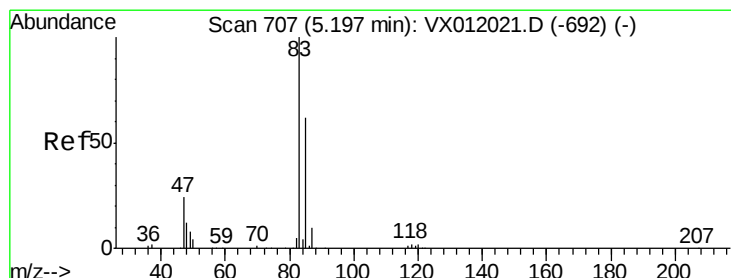
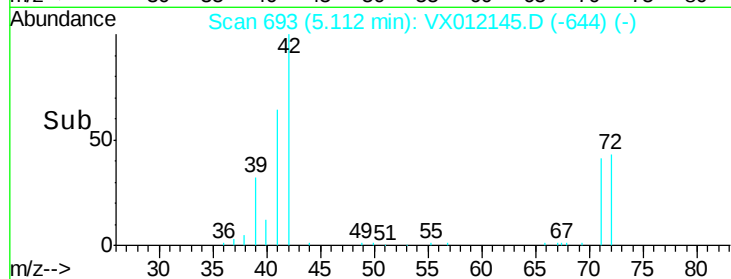
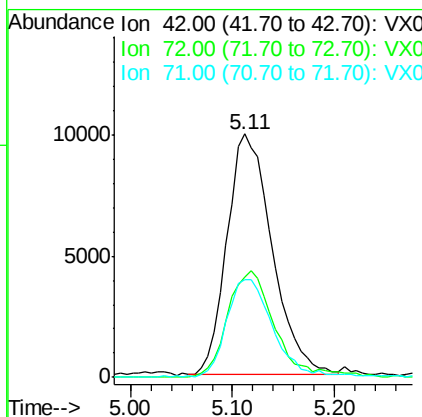
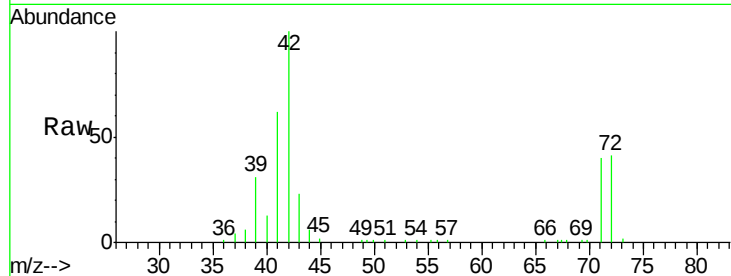
#29
Tetrahydrofuran
Concen: 94.405 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	41.9	33.8	50.8

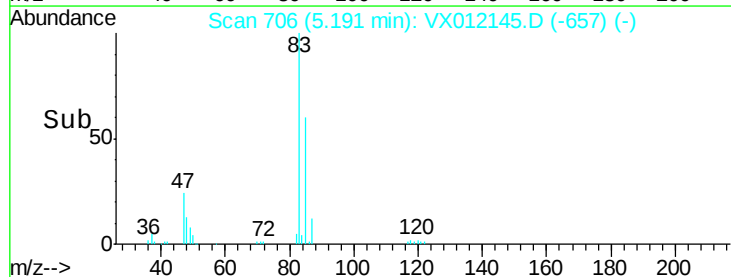
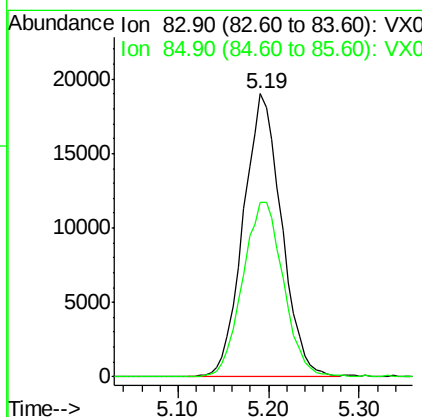
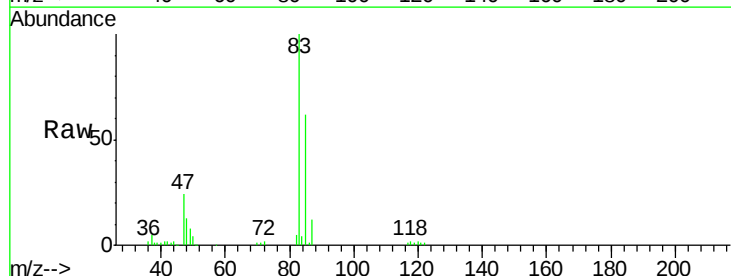
Manual Integrations
APPROVED

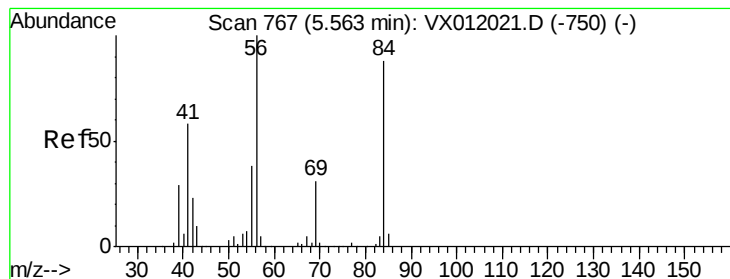
MMDadoda
9/9/2019 10:50:14 AM



#30
Chloroform
Concen: 19.063 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.6	78.8





#31

Cyclohexane

Concen: 17.877 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 56 Resp: 38809

Ion Ratio Lower Upper

56 100

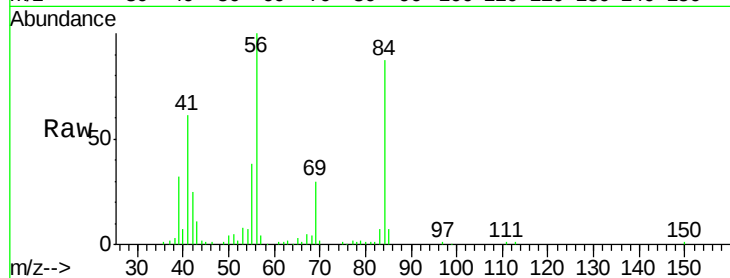
69 30.4 25.7 38.5

84 84.9 70.3 105.5

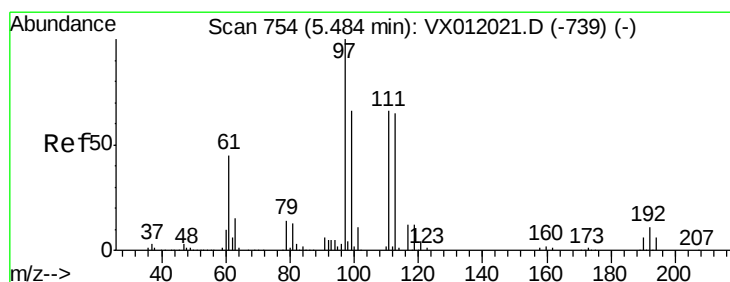
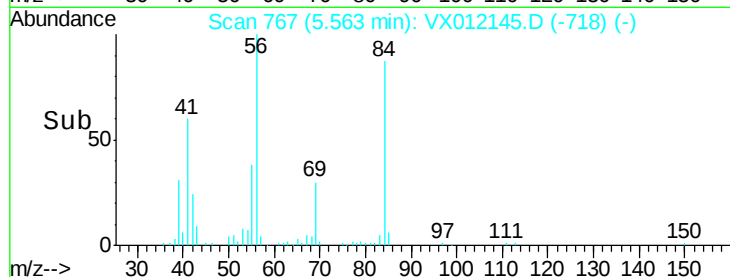
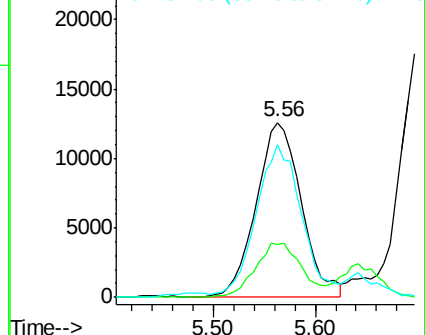
Manual Integrations
APPROVED

MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.727 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

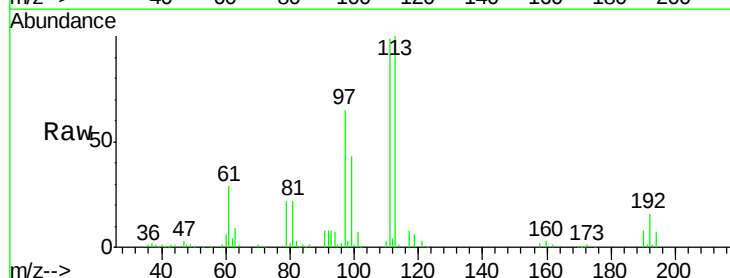
Tgt Ion: 97 Resp: 47306

Ion Ratio Lower Upper

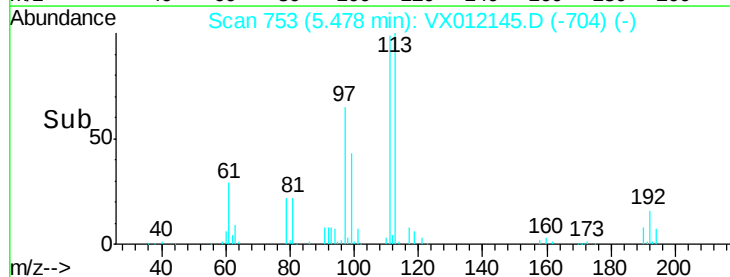
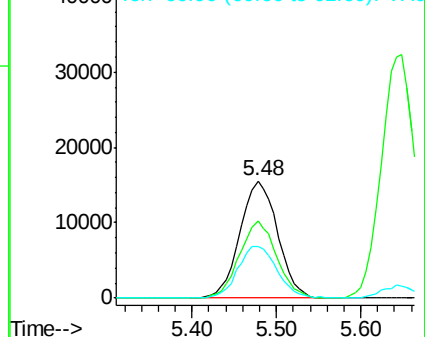
97 100

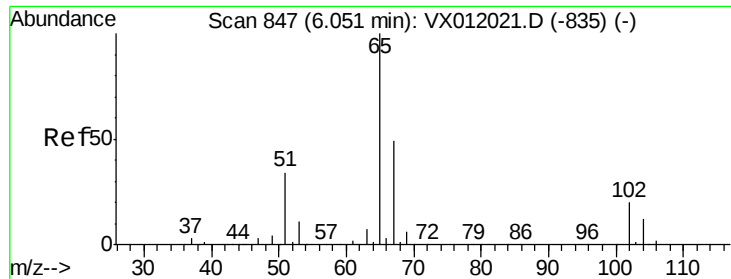
99 64.7 52.1 78.1

61 45.5 32.8 49.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





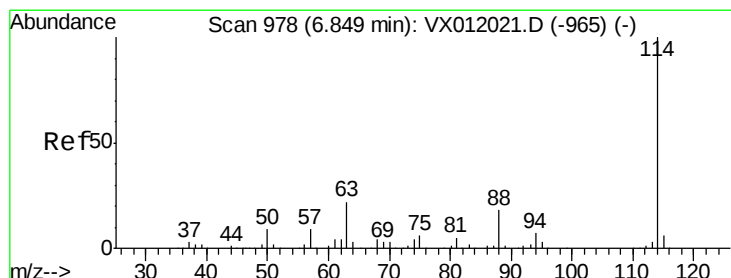
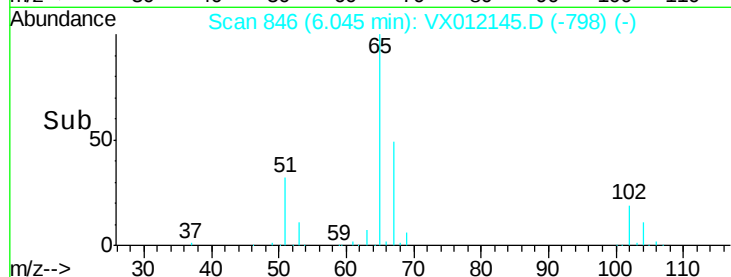
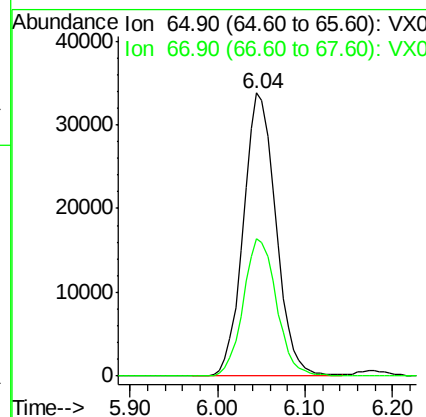
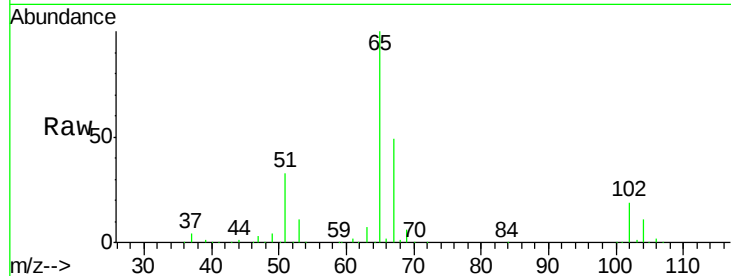
#33
 1,2-Dichloroethane-d4
 Concen: 49.473 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	87601		
67	49.6	0.0	102.0	

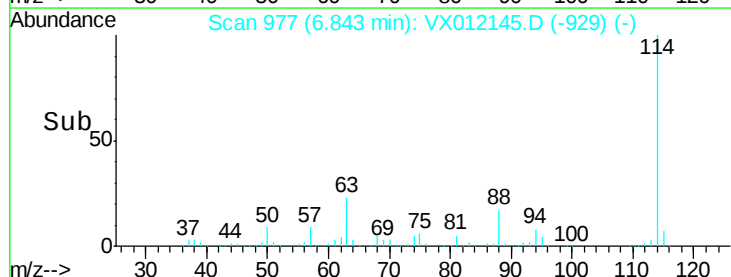
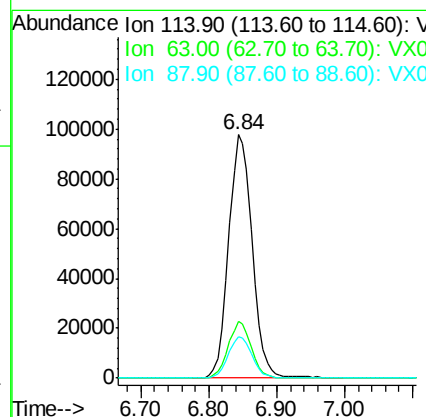
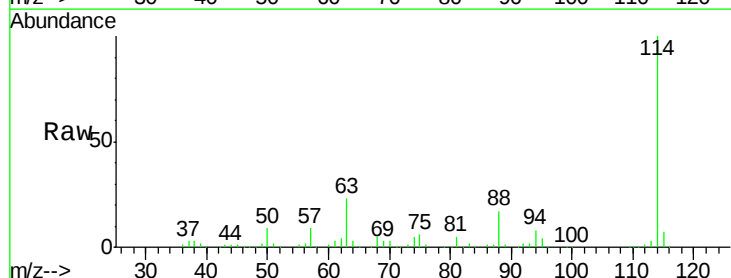
Manual Integrations
 APPROVED

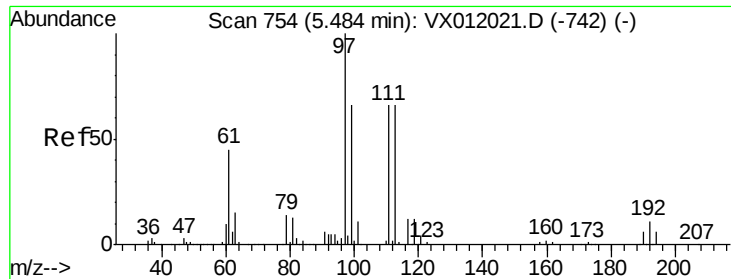
MMDadoda
 9/9/2019 10:50:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	234744		
63	23.1	0.0	37.4	
88	17.0	0.0	29.6	





#35

Dibromofluoromethane

Concen: 46.889 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

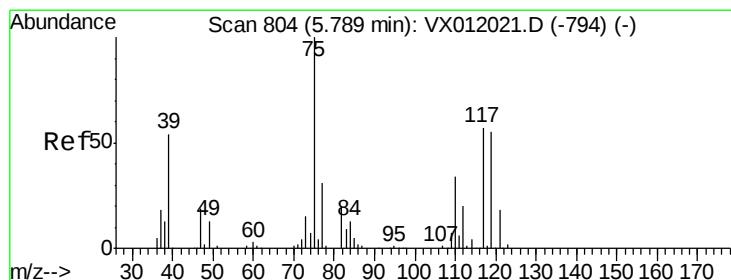
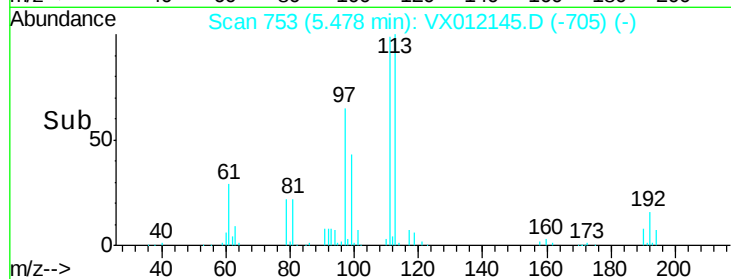
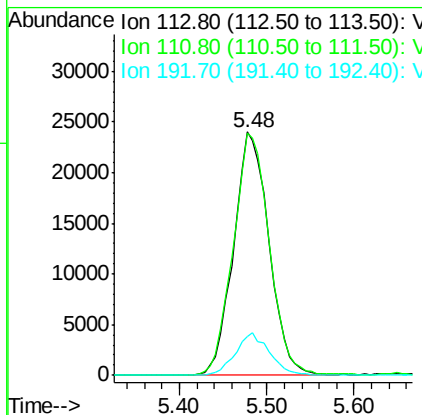
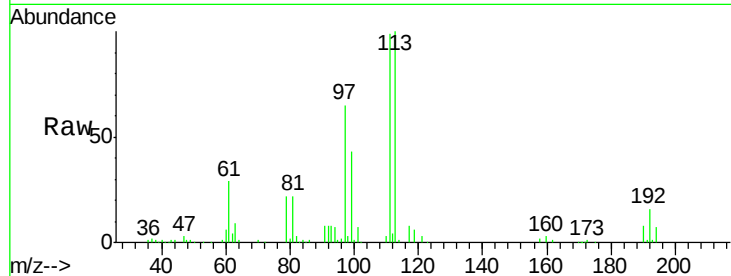
ClientSampleId :

VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	67689		
111	101.1		81.7	122.5
192	16.8		22.5	33.7

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#36

1,1-Dichloropropene

Concen: 17.646 ug/l

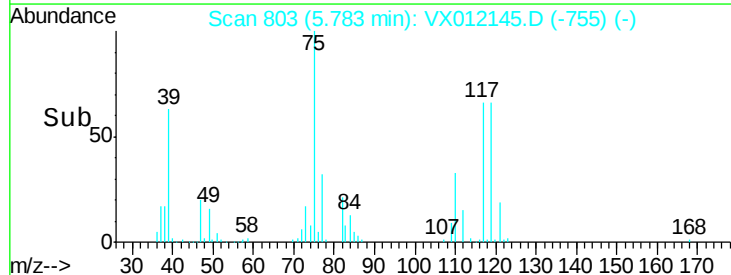
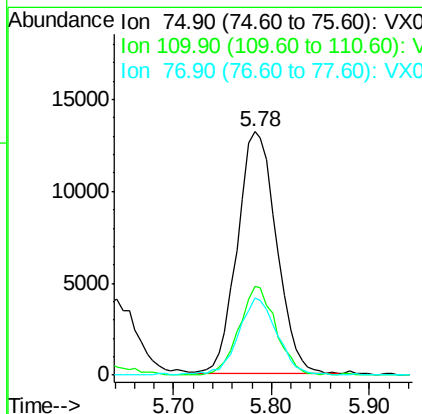
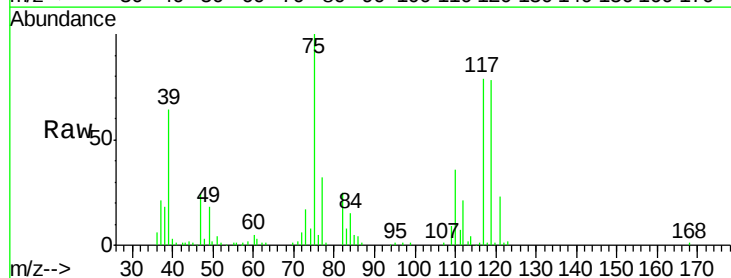
RT: 5.78 min Scan# 803

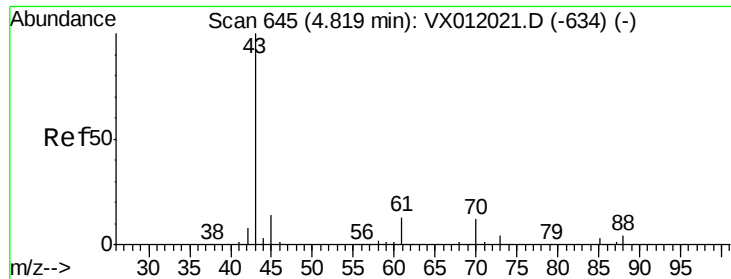
Delta R.T. -0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36484		
110	34.6		19.5	58.5
77	31.7		24.6	37.0





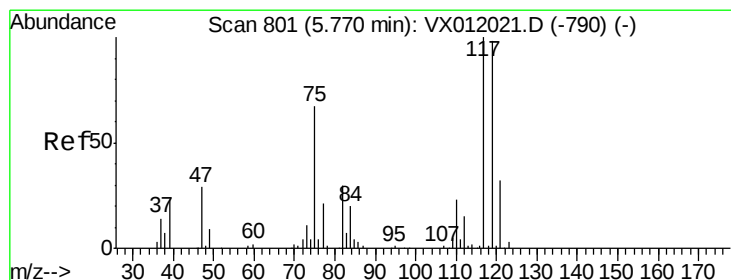
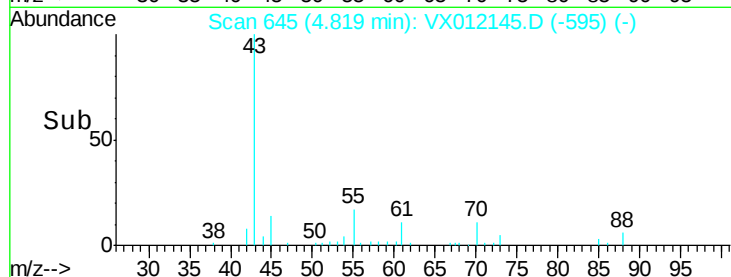
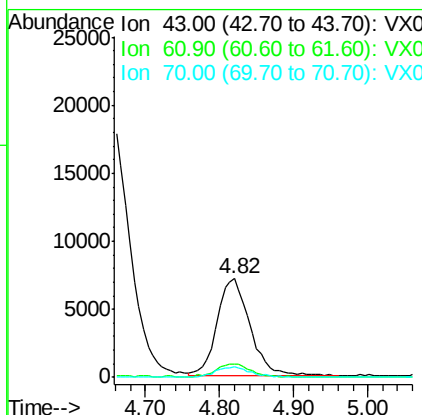
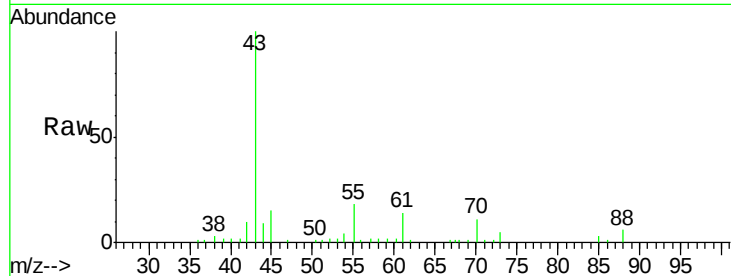
#37
Ethyl Acetate
Concen: 19.471 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.9	16.3
70	11.6	9.4	14.0

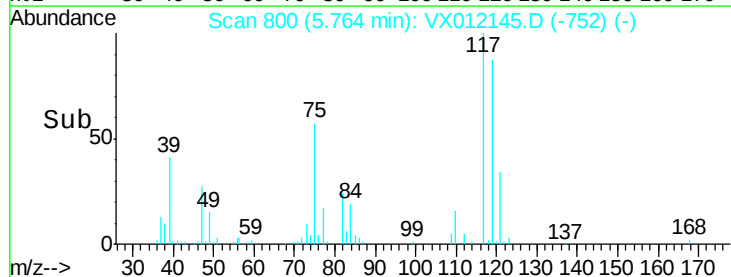
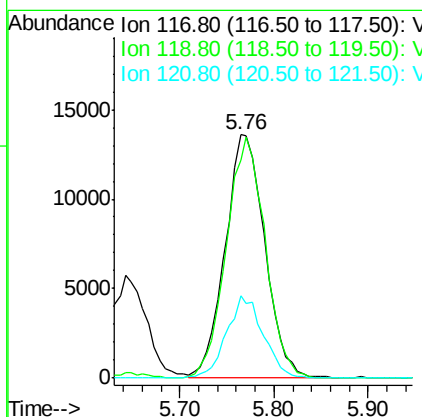
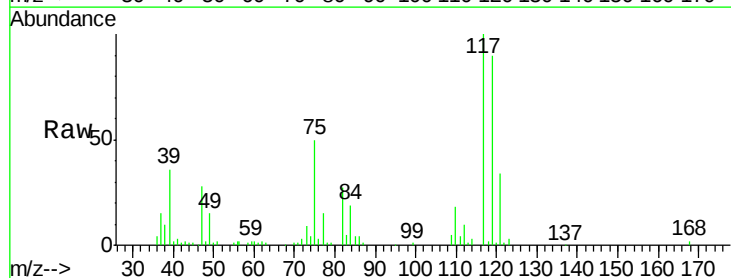
Manual Integrations
APPROVED

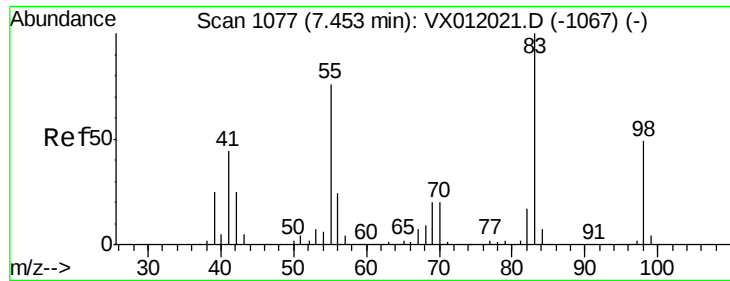
MMDadoda
9/9/2019 10:50:14 AM



#38
Carbon Tetrachloride
Concen: 18.231 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	78.3	117.5
121	33.6	24.2	36.2





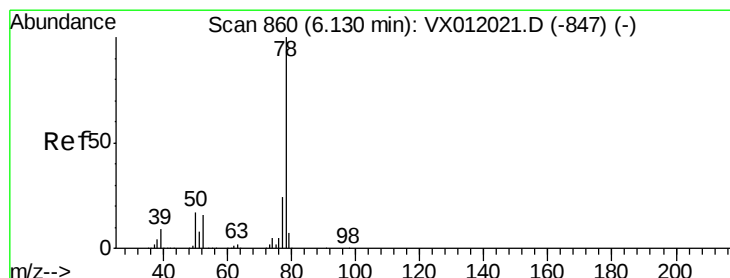
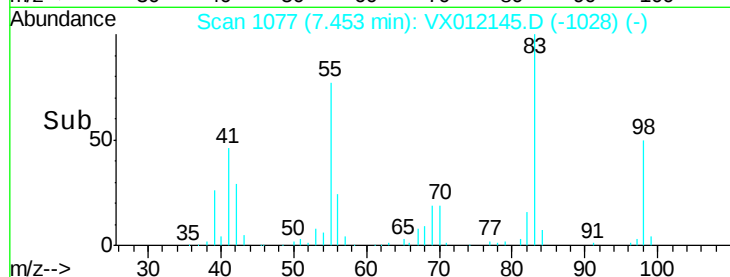
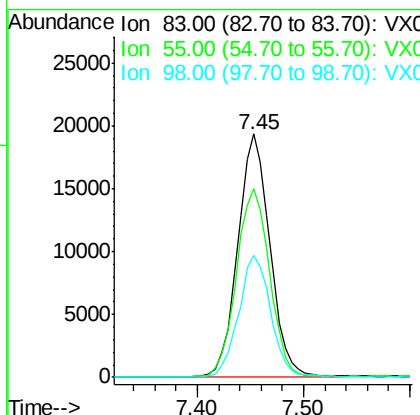
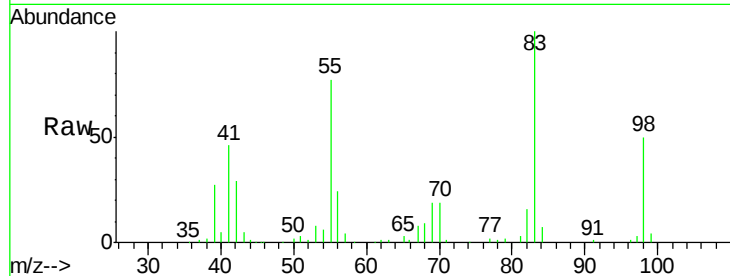
#39
Methvlcvclohexane
Concen: 17.162 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	59.6	89.4
98	50.0	41.4	62.0

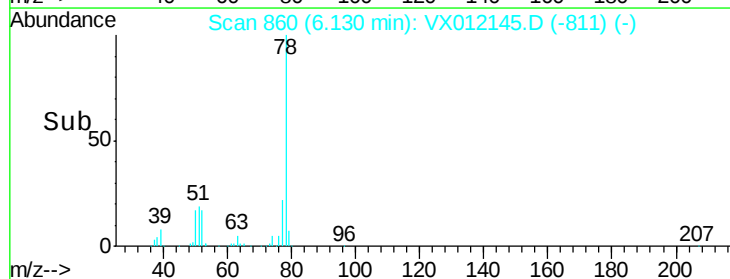
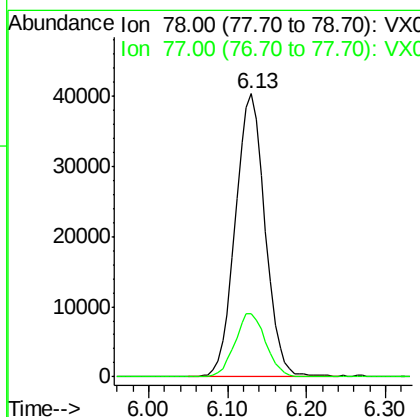
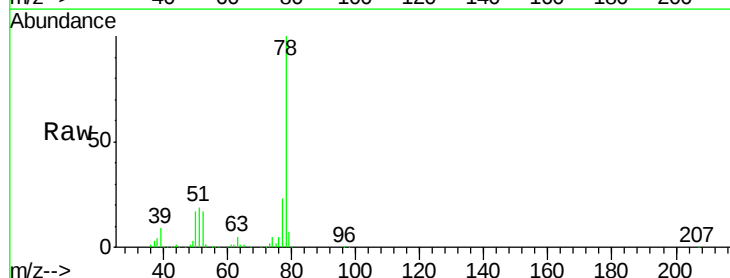
Manual Integrations
APPROVED

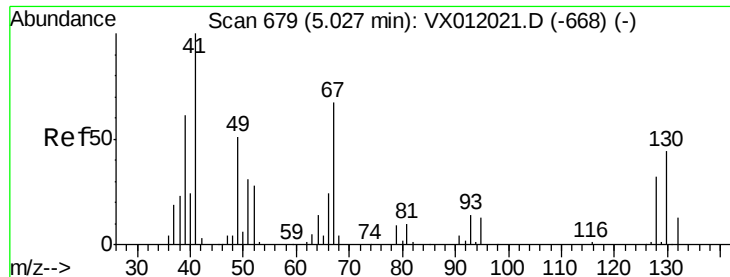
MMDadoda
9/9/2019 10:50:14 AM



#40
Benzene
Concen: 17.817 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.3	28.9





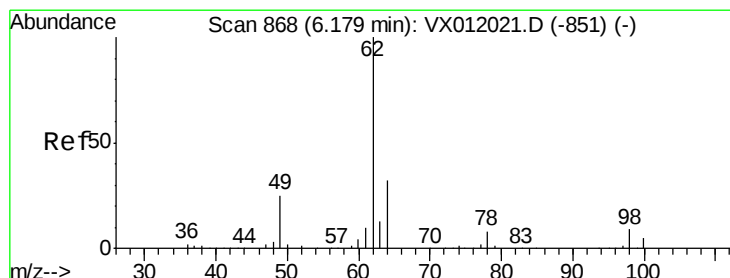
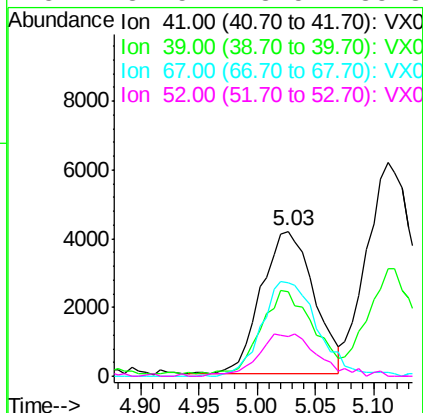
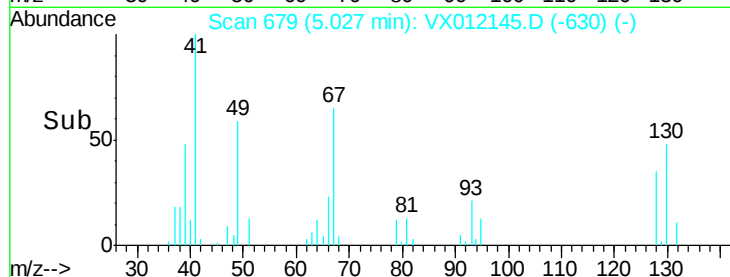
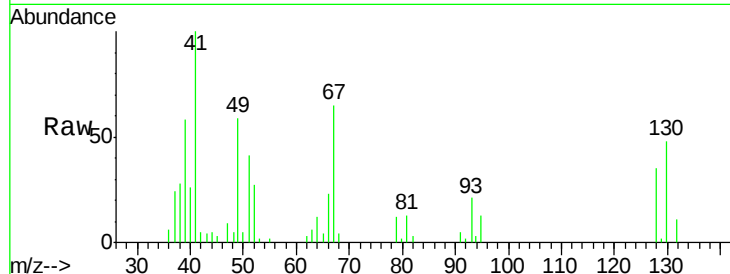
#41
Methacrylonitrile
Concen: 19.635 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleID :
VX0906SBS01

Tot Ion:	41	Resp:	13165
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.7	70.1
67	69.9	57.0	85.6
52	32.5	23.5	35.3

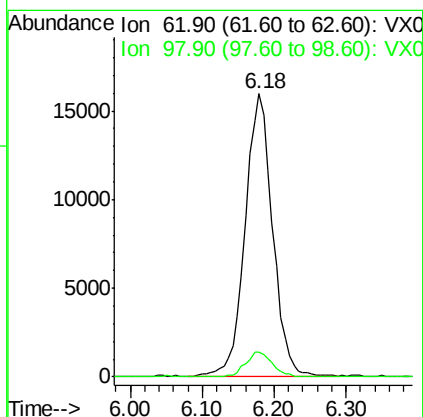
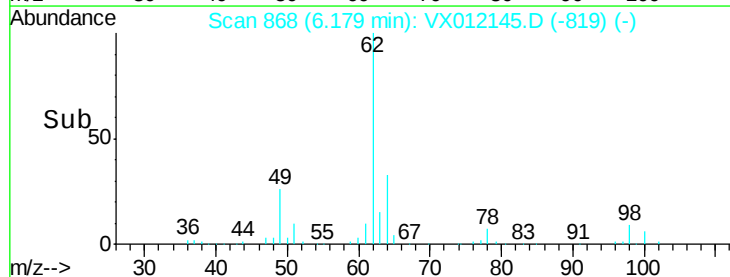
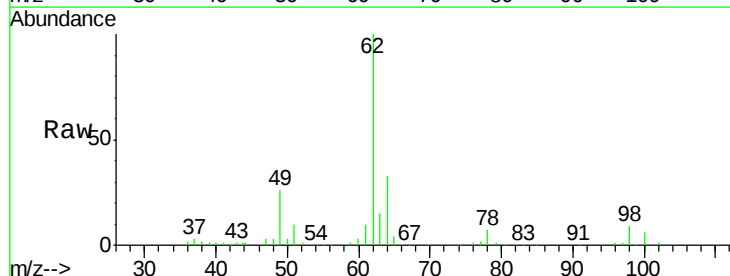
Manual Integrations
APPROVED

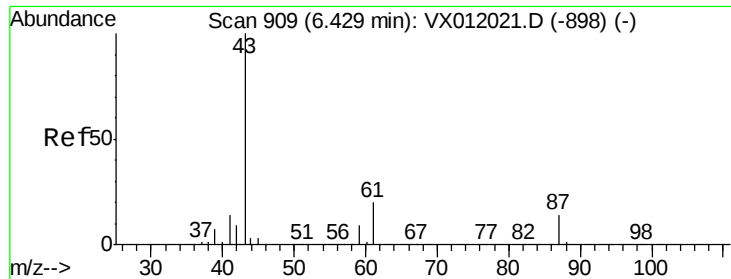
MMDadoda
9/9/2019 10:50:14 AM



#42
1,2-Dichloroethane
Concen: 19.919 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion:	62	Resp:	42546
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.2





#43

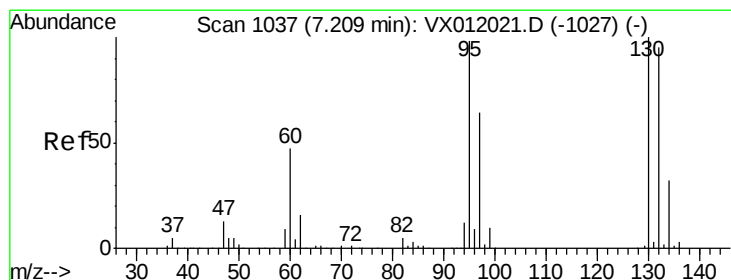
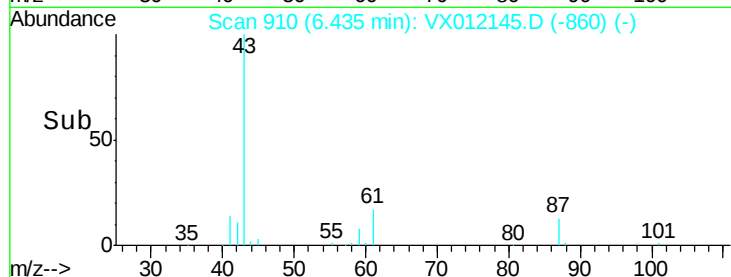
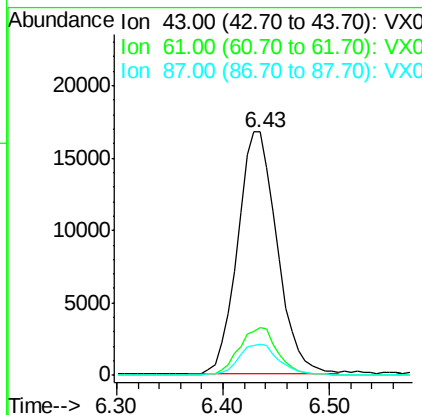
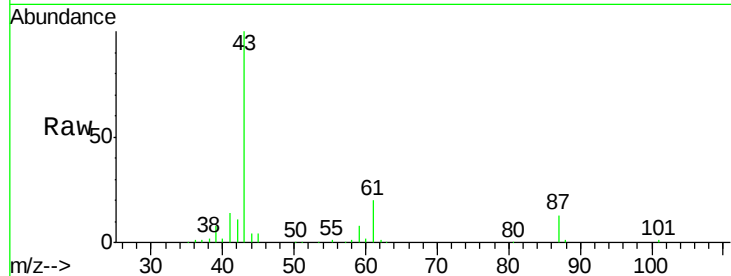
Isopropyl Acetate
 Concen: 19.037 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	43	61	87
Resp	43520		
Ratio	100	19.7	13.1
Lower		16.1	11.3
Upper		24.1	16.9

Manual Integrations
 APPROVED

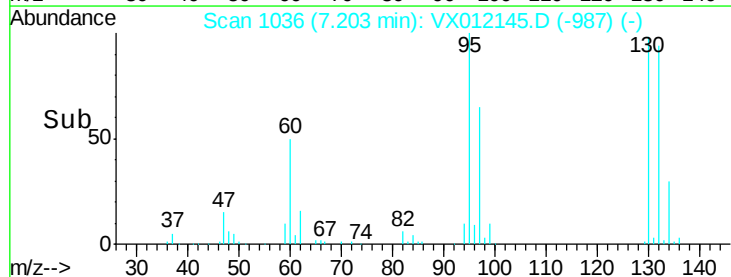
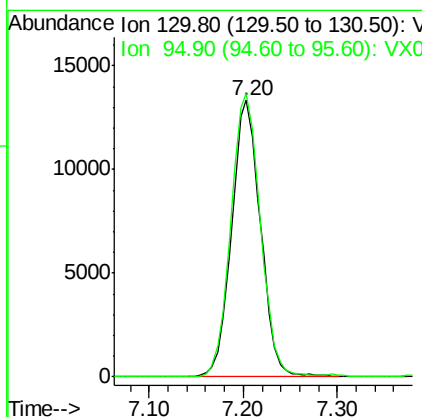
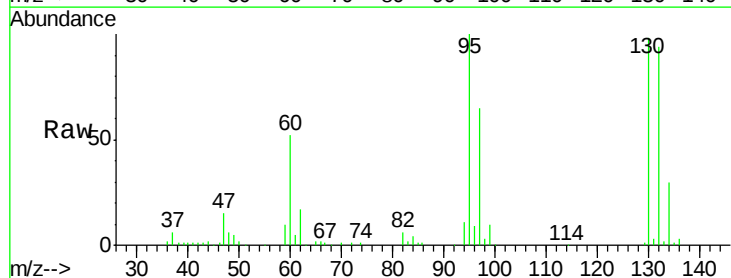
MMDadoda
 9/9/2019 10:50:14 AM

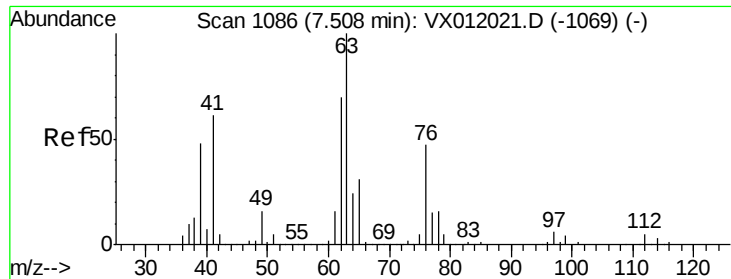


#44

Trichloroethene
 Concen: 17.737 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	130	95
Resp	28395	
Ratio	100	102.3
Lower		0.0
Upper		176.4





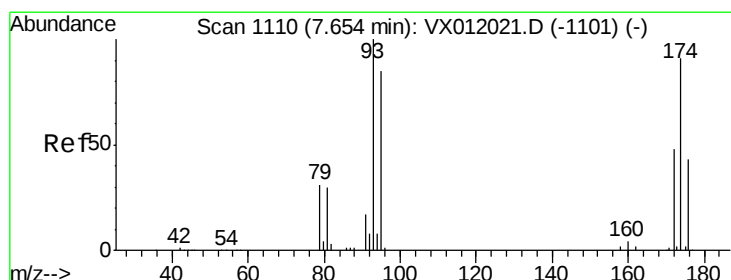
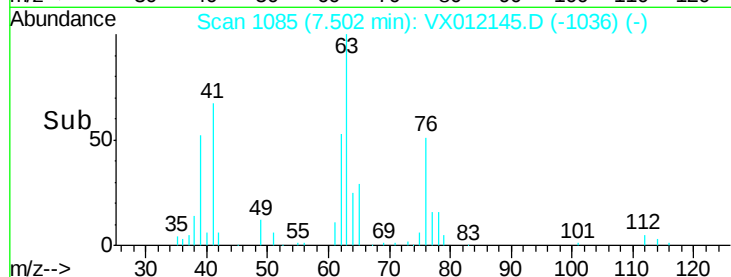
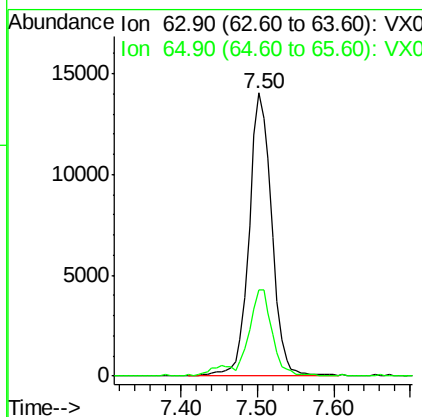
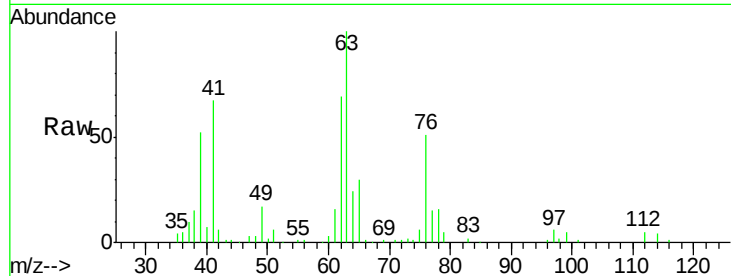
#45
 1,2-Dichloropropane
 Concen: 18.993 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion: 63 Resp: 29125
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

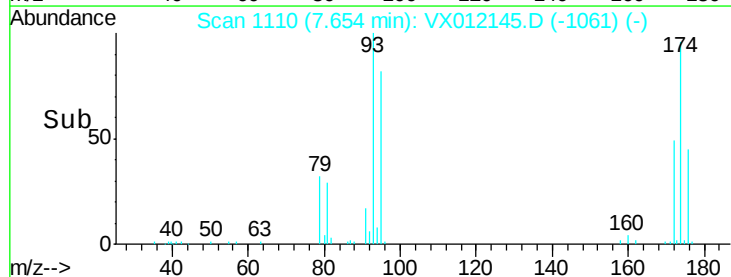
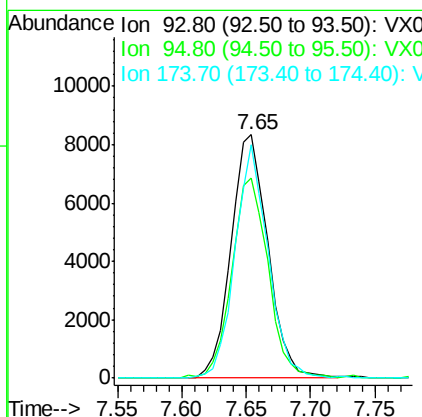
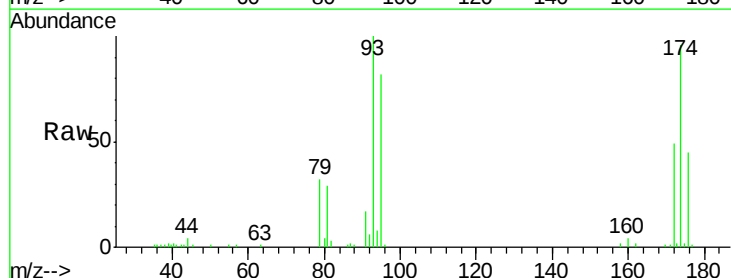
Manual Integrations
 APPROVED

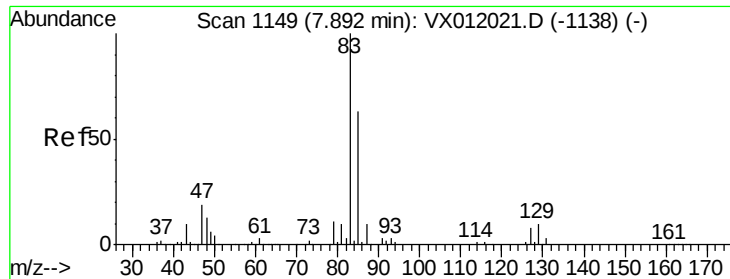
MMDadoda
 9/9/2019 10:50:14 AM



#46
 Dibromomethane
 Concen: 18.593 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion: 93 Resp: 16644
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.2
 174 85.4 110.2 165.4#





#47

Bromodichloromethane

Concen: 18.142 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

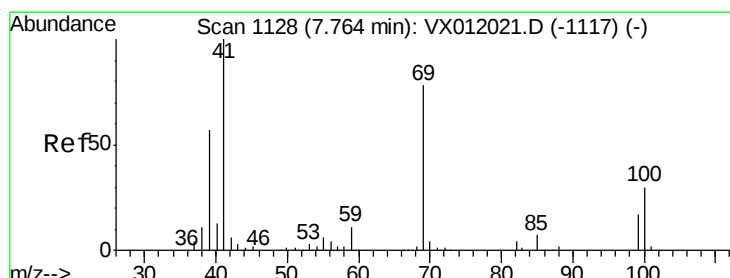
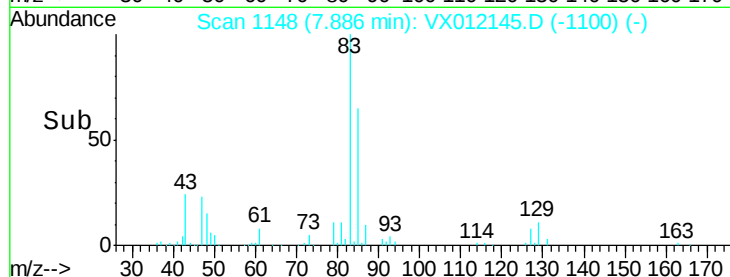
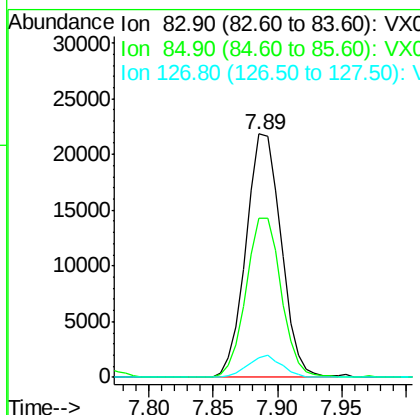
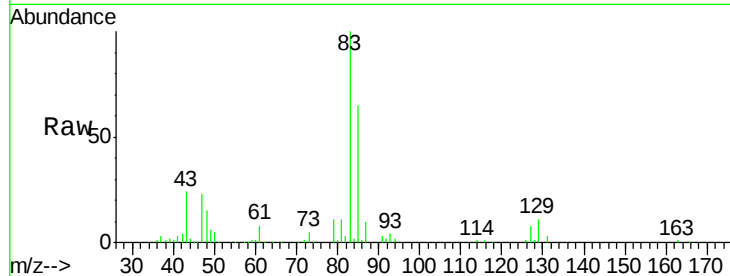
ClientSampleId :

VX0906SBS01

Tot Ion:	83	Resp:	41281
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.3	75.5
127	8.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#48

Methyl methacrylate

Concen: 18.852 ug/l

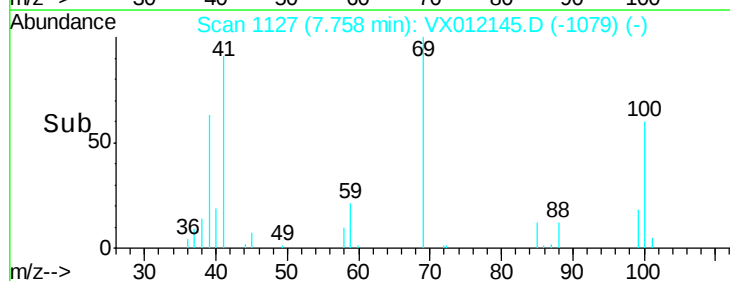
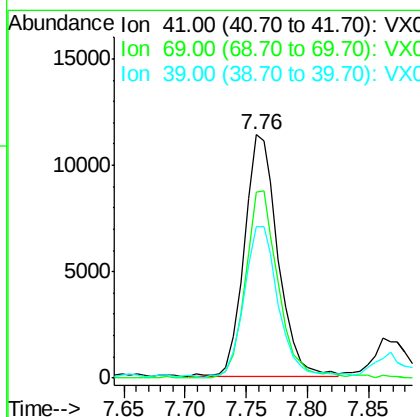
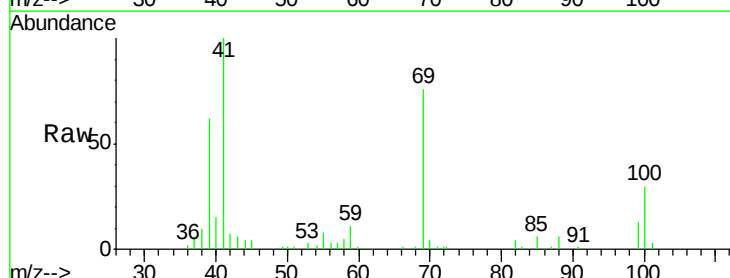
RT: 7.76 min Scan# 1127

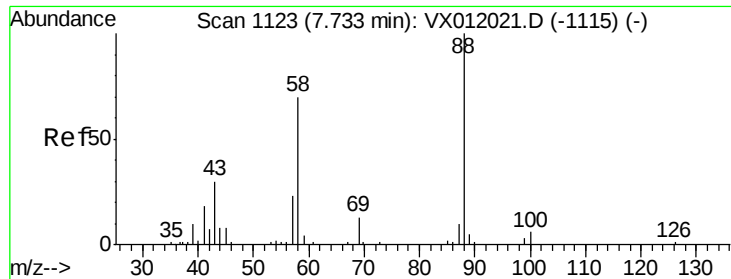
Delta R.T. -0.01 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion:	41	Resp:	21669
Ion	Ratio	Lower	Upper
41	100		
69	75.5	66.3	99.5
39	65.5	48.1	72.1





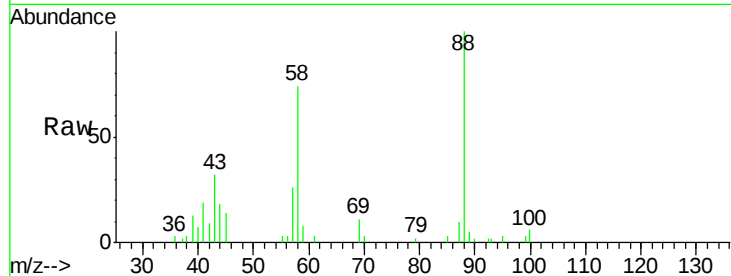
#49
1,4-Dioxane
Concen: 346.088 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampled :
VX0906SBS01

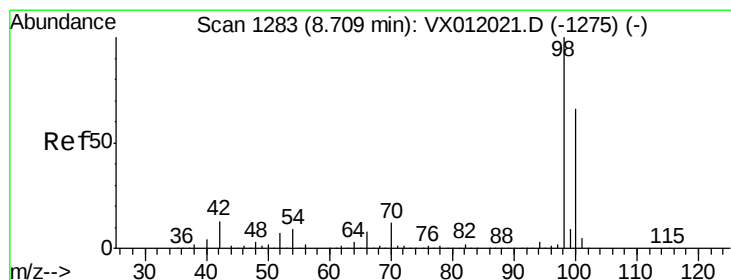
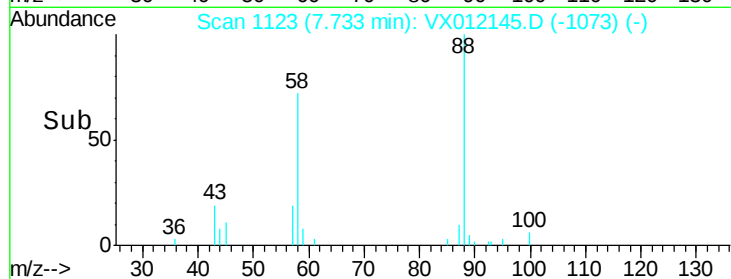
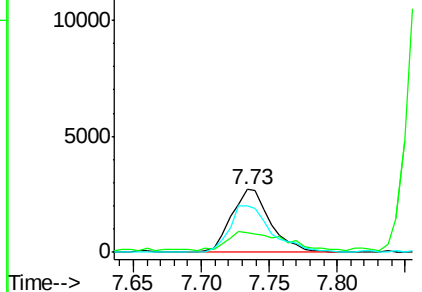
Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	29.8	44.6
58	78.2	55.4	83.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM

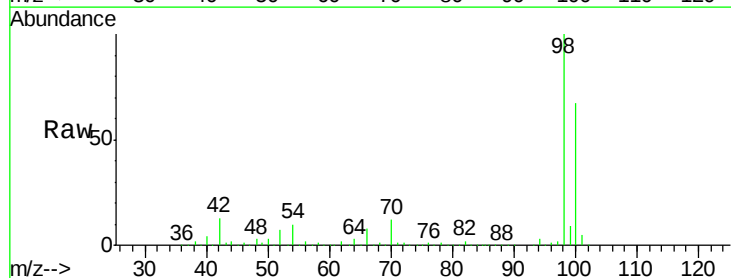


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

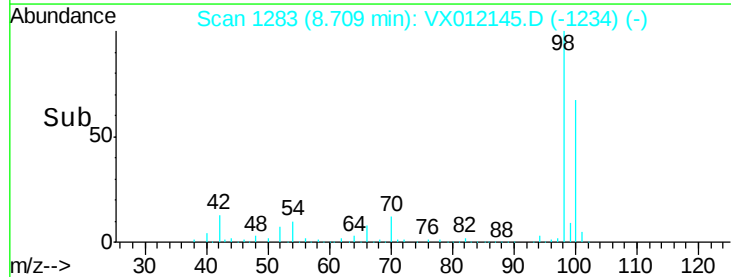
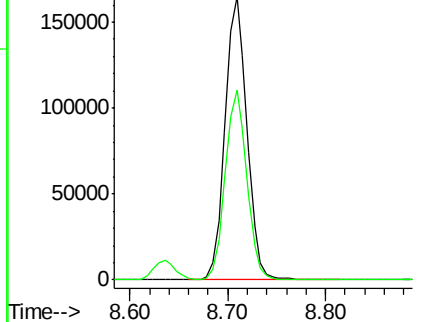


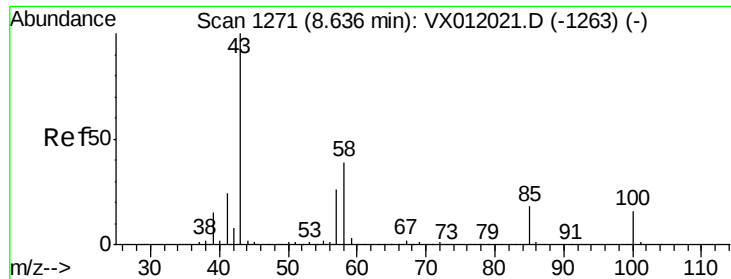
#50
Toluene-d8
Concen: 48.169 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	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: 97.606 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 43 Resp: 113494

Ion Ratio Lower Upper

43 100

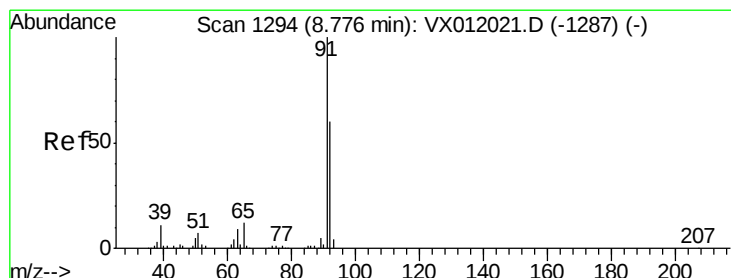
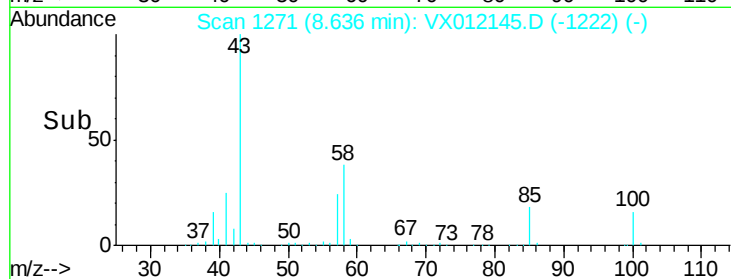
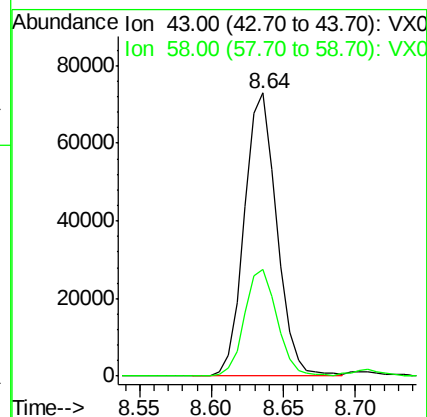
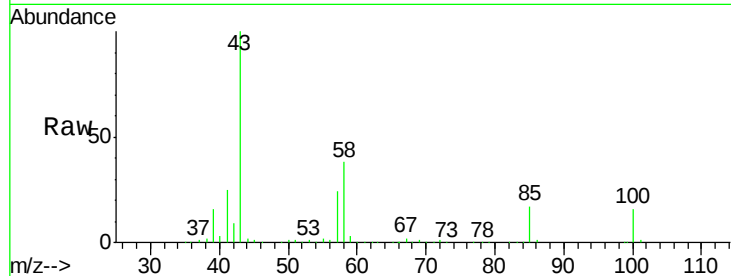
58 38.0 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#52

Toluene

Concen: 18.050 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012145.D

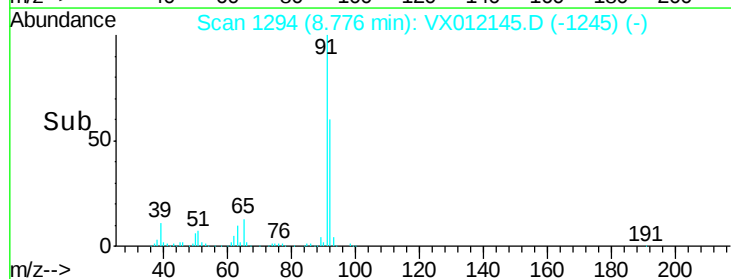
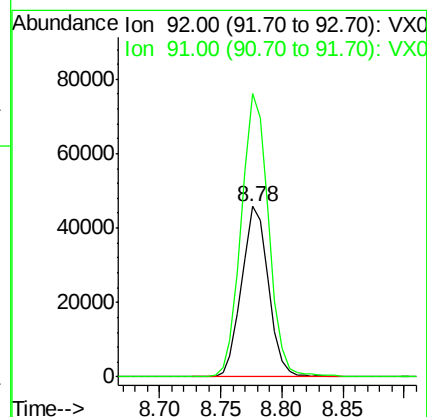
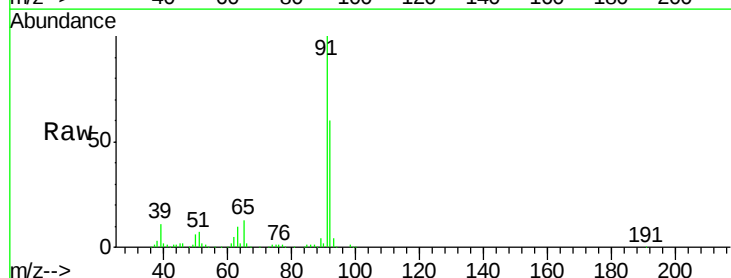
Acq: 06 Sep 2019 13:50

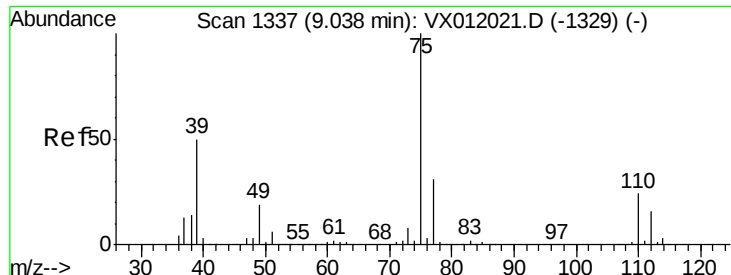
Tgt Ion: 92 Resp: 69706

Ion Ratio Lower Upper

92 100

91 168.7 136.0 204.0





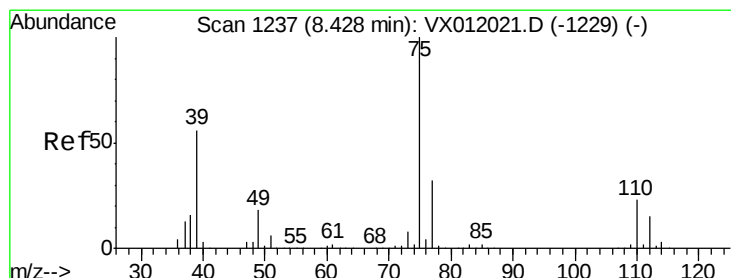
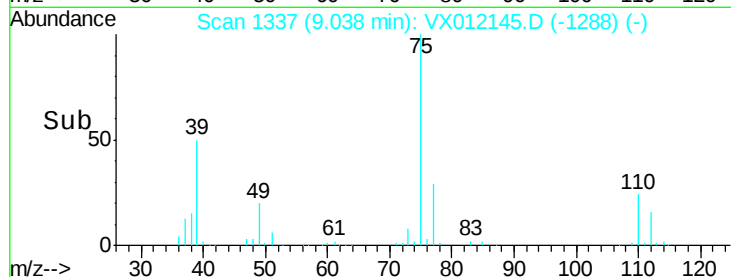
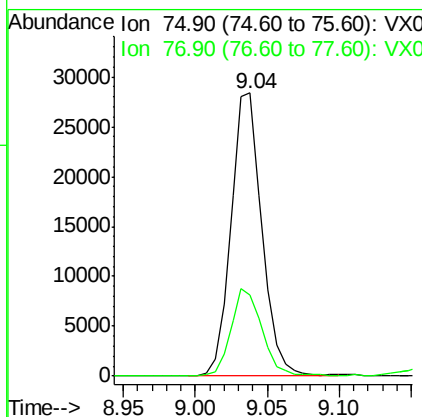
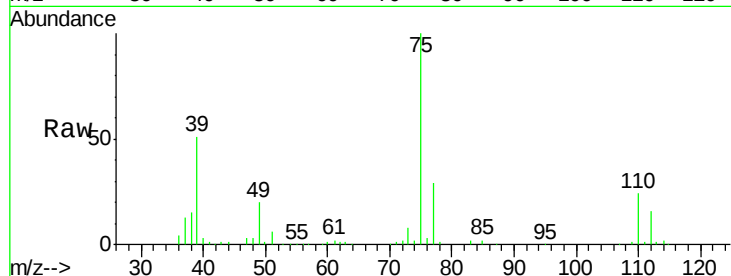
#53
t-1,3-Dichloropropene
Concen: 18.103 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 75 Resp: 42647
Ion Ratio Lower Upper
75 100
77 28.8 25.1 37.7

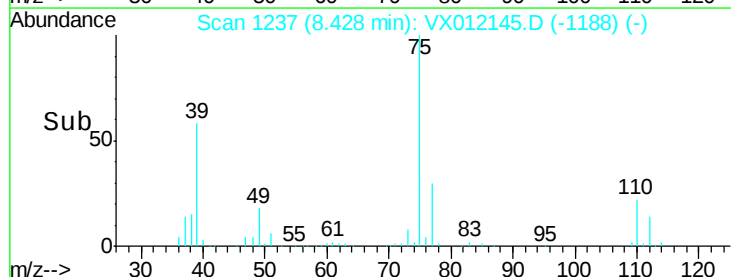
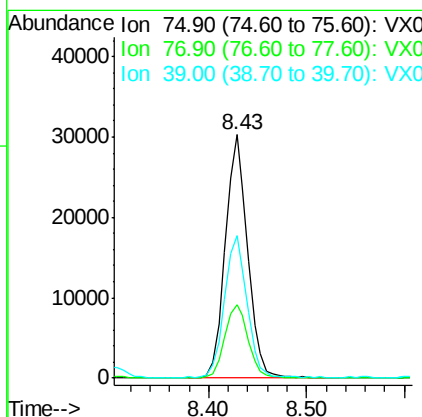
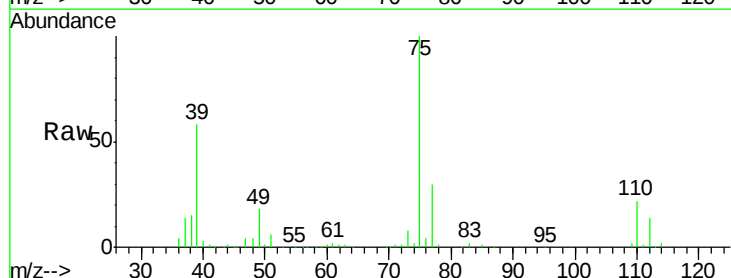
Manual Integrations
APPROVED

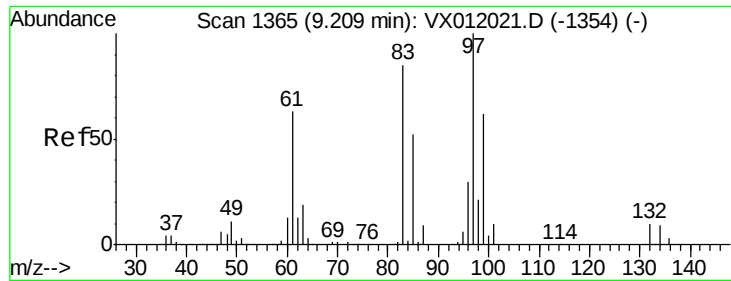
MMDadoda
9/9/2019 10:50:14 AM



#54
cis-1,3-Dichloropropene
Concen: 18.209 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 75 Resp: 47702
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3
39 58.1 43.0 64.4





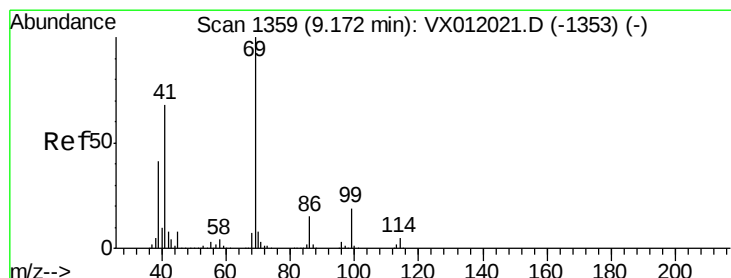
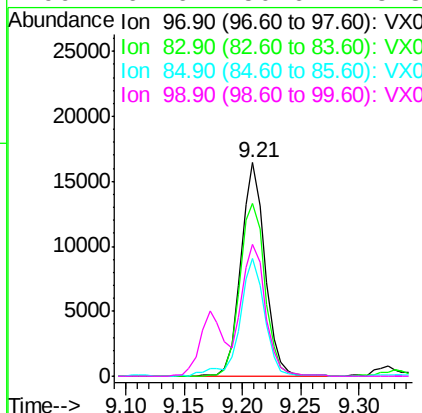
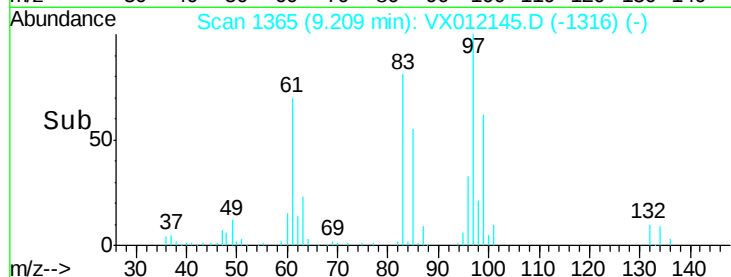
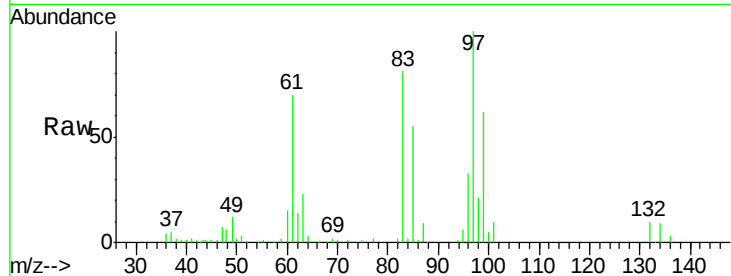
#55
 1,1,2-Trichloroethane
 Concen: 18.631 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion:	97	Resp:	23844
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.0	99.0
85	55.2	41.0	61.6
99	61.6	50.6	75.8

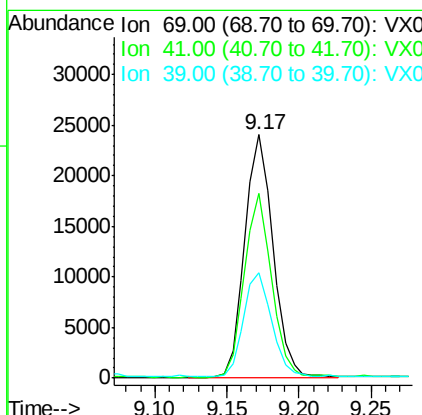
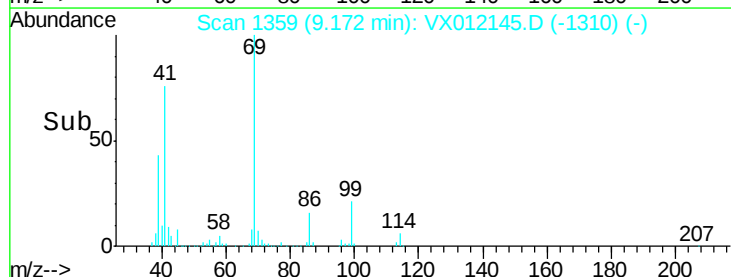
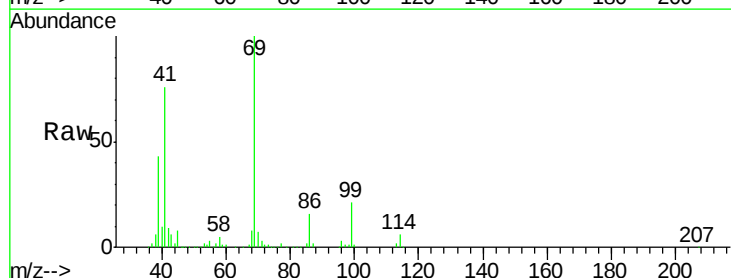
Manual Integrations
 APPROVED

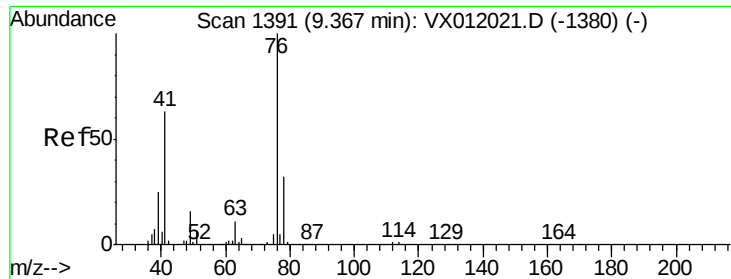
MMDadoda
 9/9/2019 10:50:14 AM



#56
 Ethyl methacrylate
 Concen: 17.988 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion:	69	Resp:	32976
Ion	Ratio	Lower	Upper
69	100		
41	73.2	53.9	80.9
39	42.2	31.1	46.7





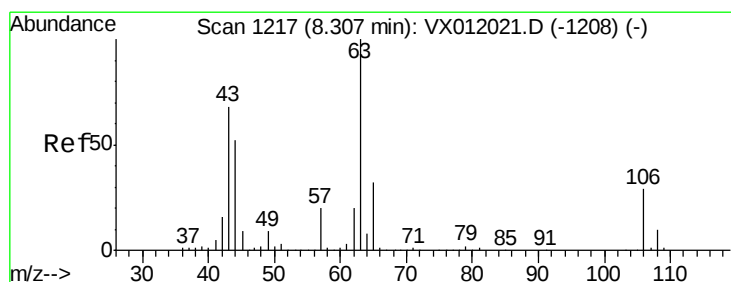
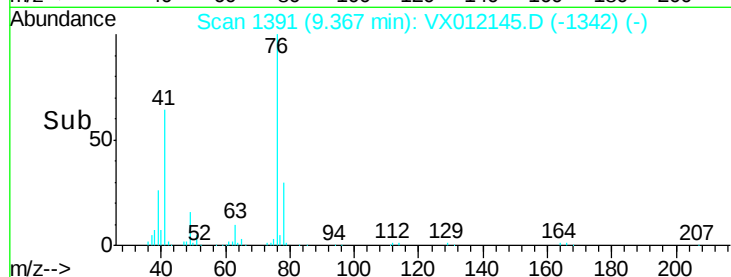
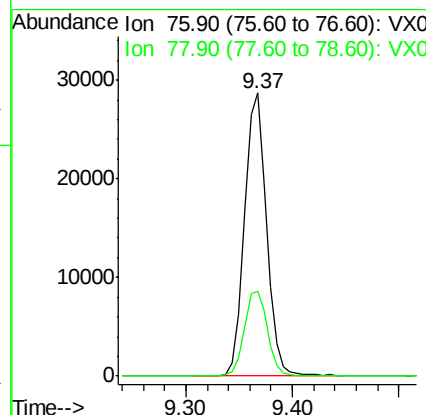
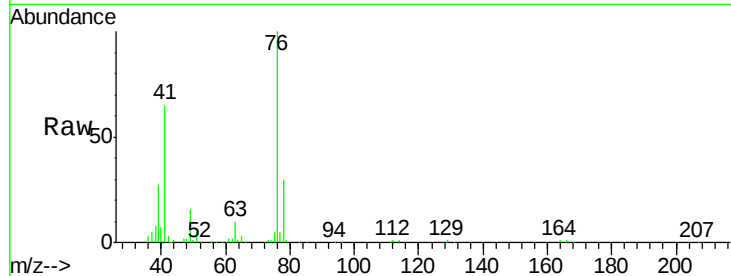
#57
 1,3-Dichloropropane
 Concen: 19.006 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion: 76 Resp: 41975
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.5 38.3

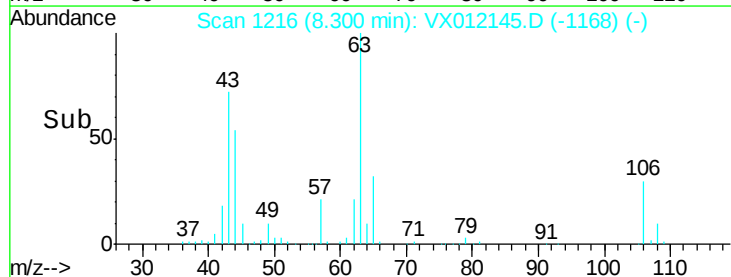
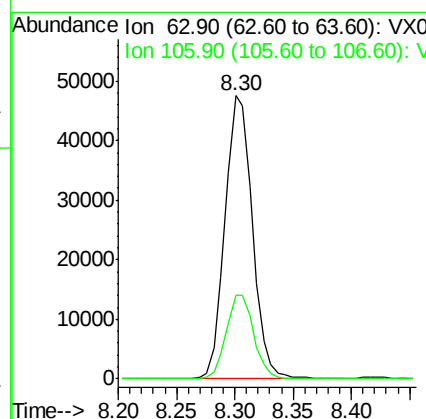
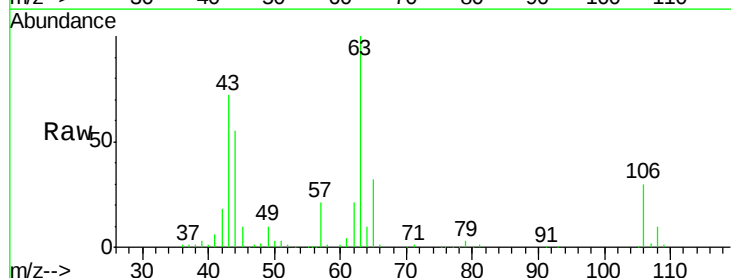
Manual Integrations
 APPROVED

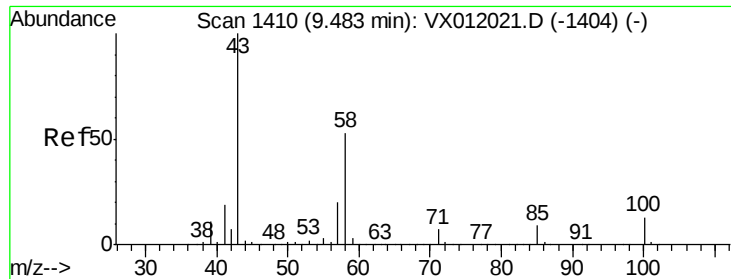
MMDadoda
 9/9/2019 10:50:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.837 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion: 63 Resp: 77554
 Ion Ratio Lower Upper
 63 100
 106 29.9 26.5 39.7





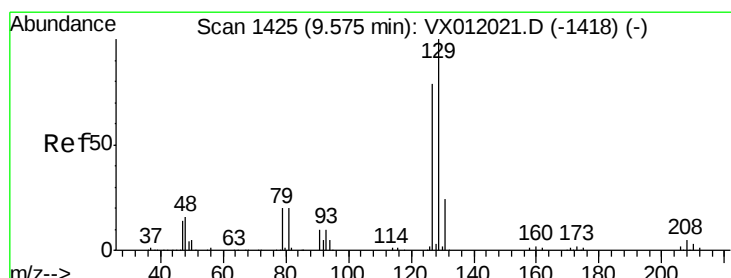
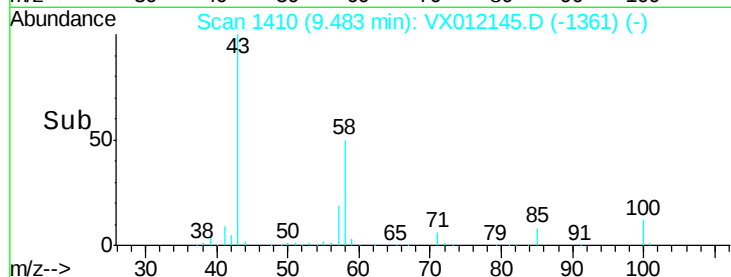
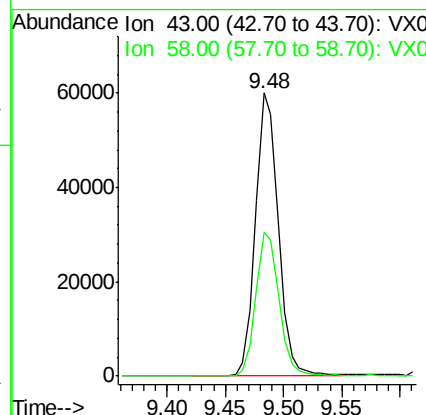
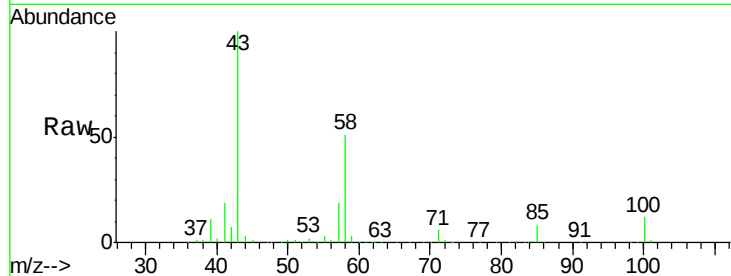
#59
2-Hexanone
Concen: 96.852 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 43 Resp: 82174
Ion Ratio Lower Upper
43 100
58 52.3 27.2 81.6

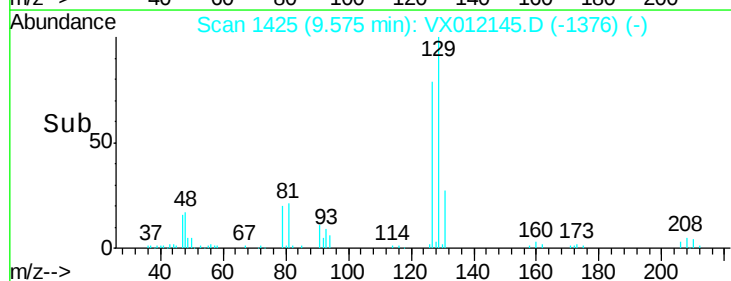
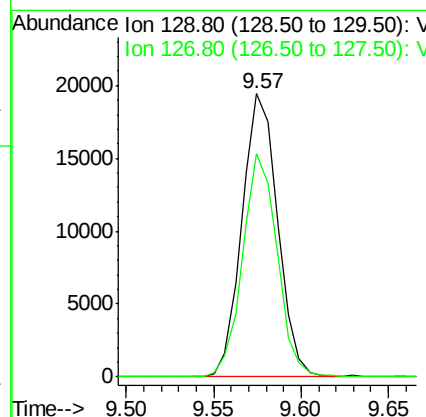
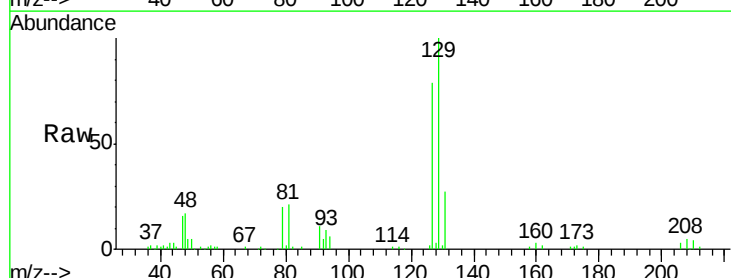
Manual Integrations
APPROVED

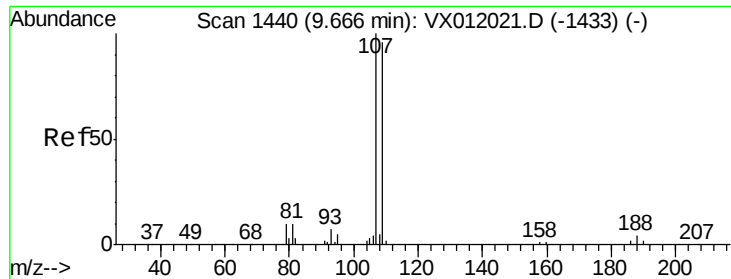
MMDadoda
9/9/2019 10:50:14 AM



#60
Dibromochloromethane
Concen: 18.095 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 129 Resp: 27601
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.5





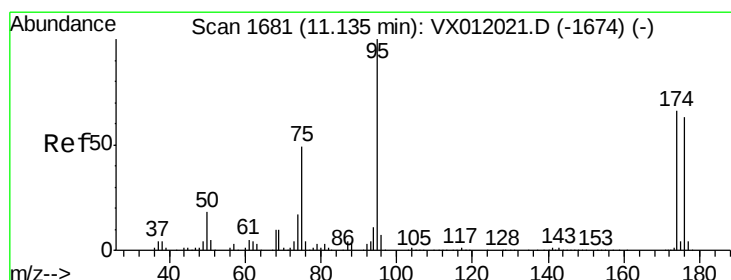
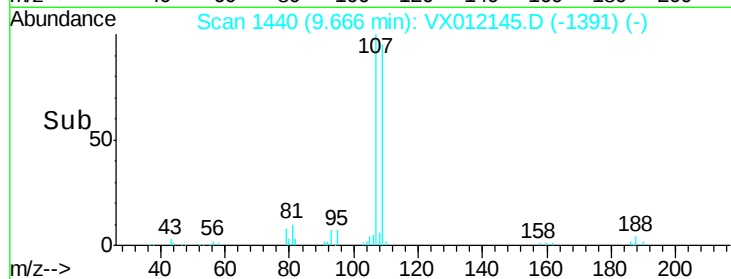
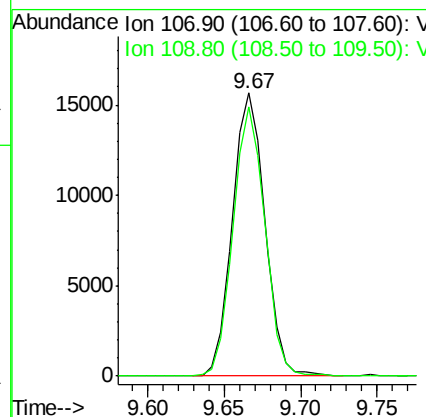
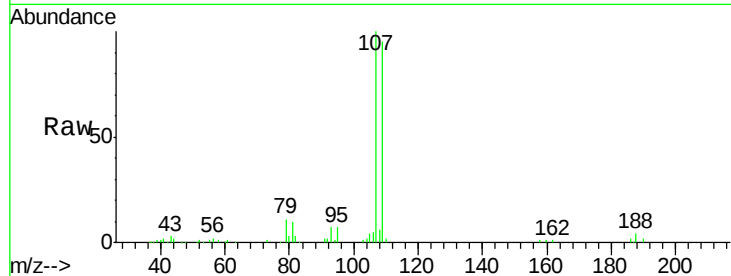
#61
 1,2-Dibromoethane
 Concen: 18.627 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.9	115.3

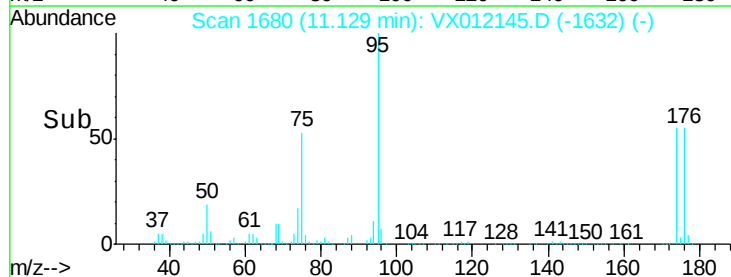
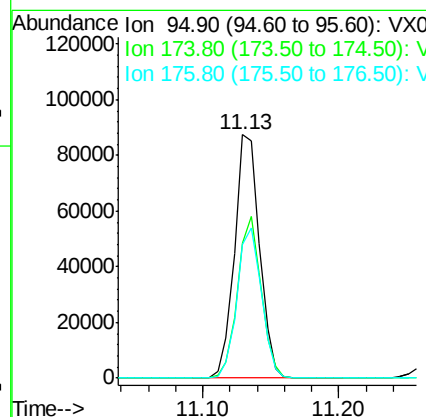
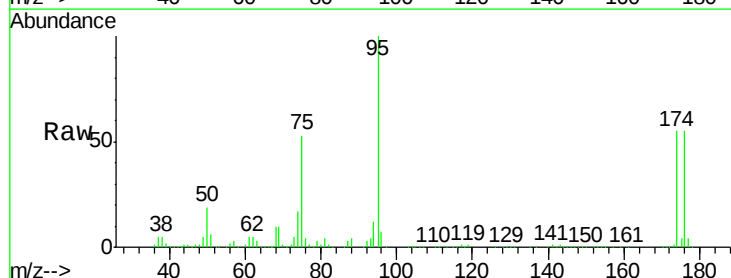
Manual Integrations
 APPROVED

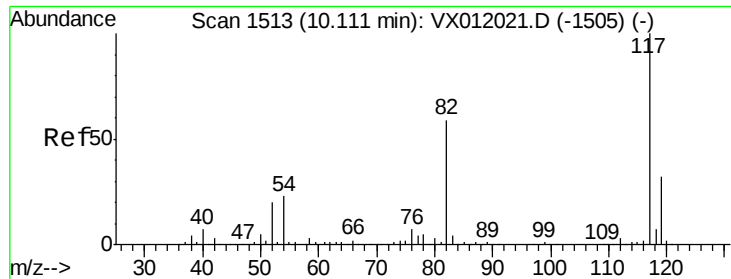
MMDadoda
 9/9/2019 10:50:14 AM



#62
 4-Bromofluorobenzene
 Concen: 45.399 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	205.4
176	60.6	0.0	201.8





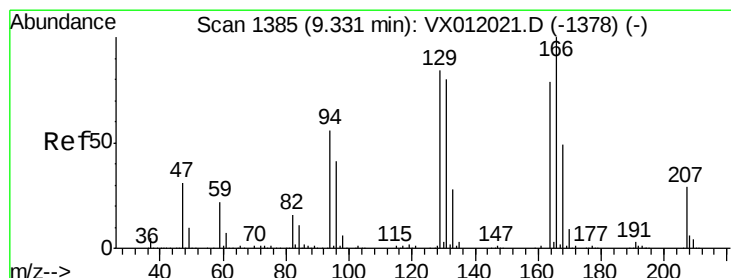
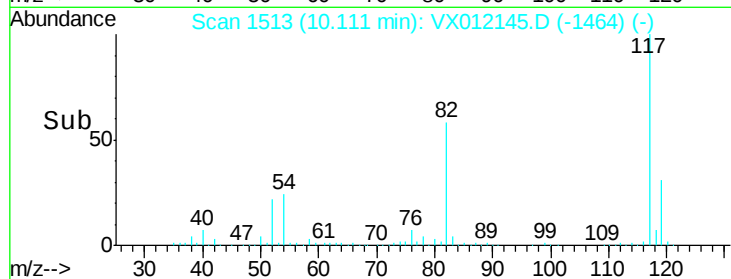
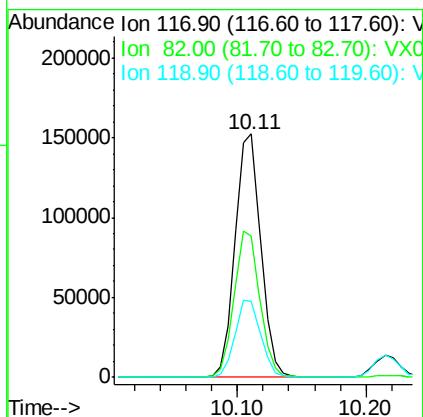
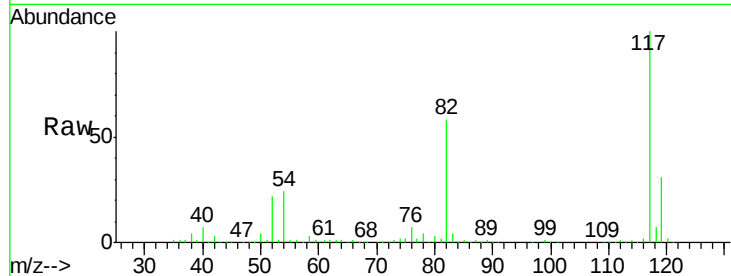
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	212880		
82	57.8	39.4	59.0	
119	31.1	26.1	39.1	

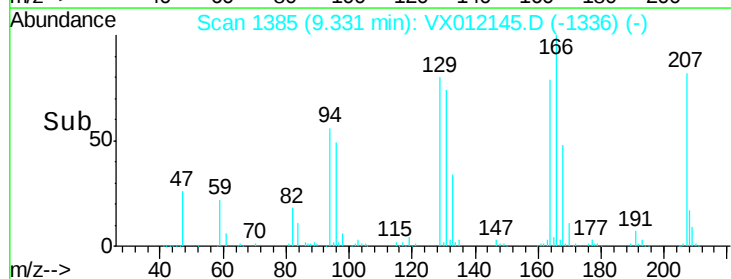
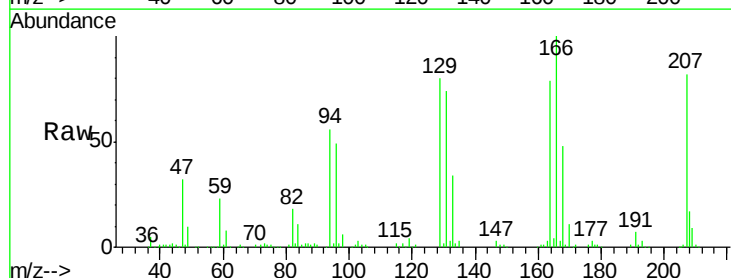
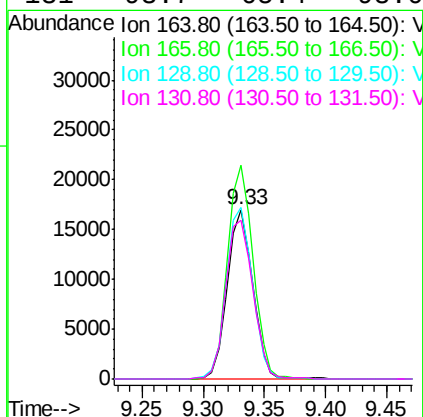
Manual Integrations
APPROVED

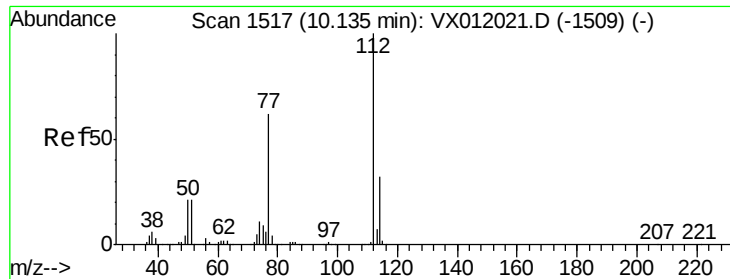
MMDadoda
9/9/2019 10:50:14 AM



#64
Tetrachloroethene
Concen: 18.413 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24438		
166	126.2	104.3	156.5	
129	101.1	68.3	102.5	
131	93.7	65.4	98.0	





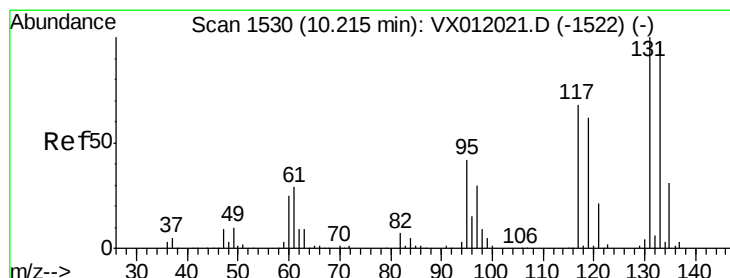
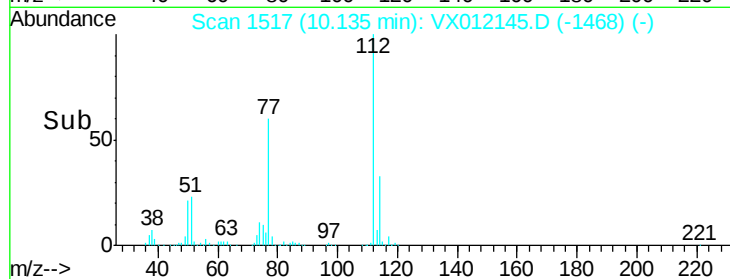
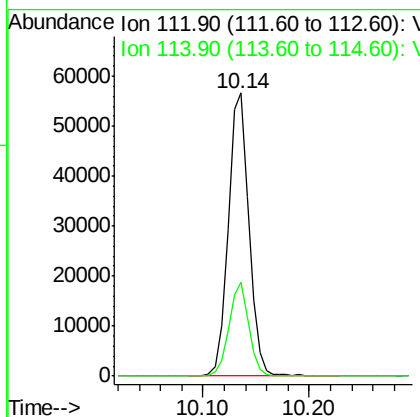
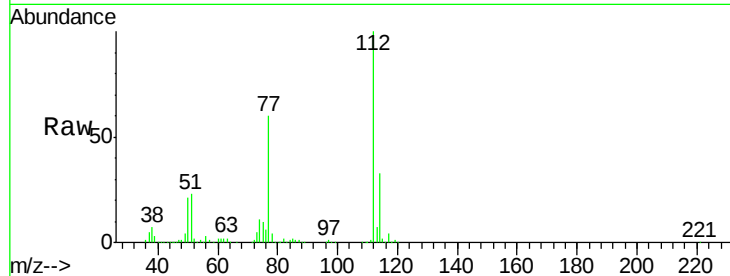
#65
Chlorobenzene
Concen: 18.352 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion:112 Resp: 77082
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.2

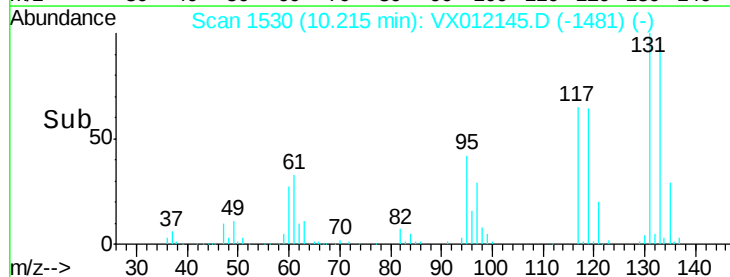
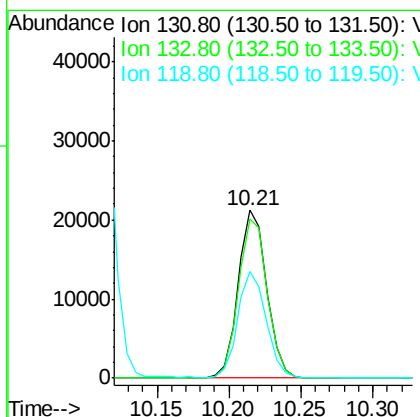
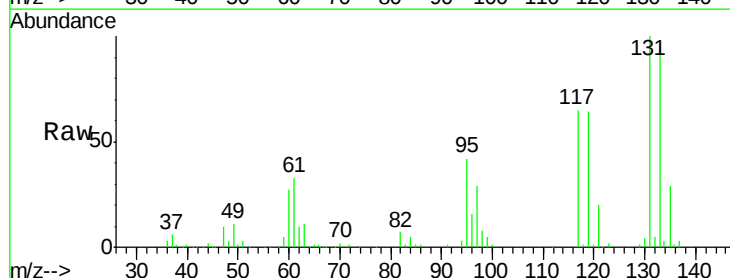
Manual Integrations
APPROVED

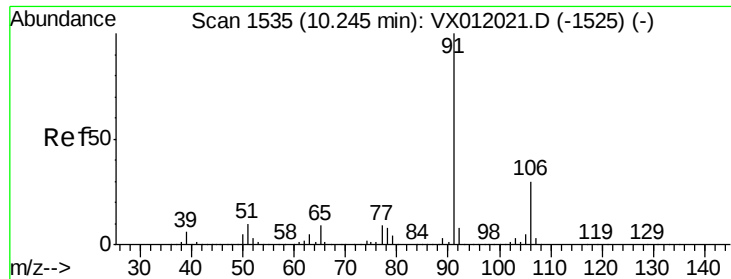
MMDadoda
9/9/2019 10:50:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.936 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion:131 Resp: 29083
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.0
119 64.1 30.5 91.5





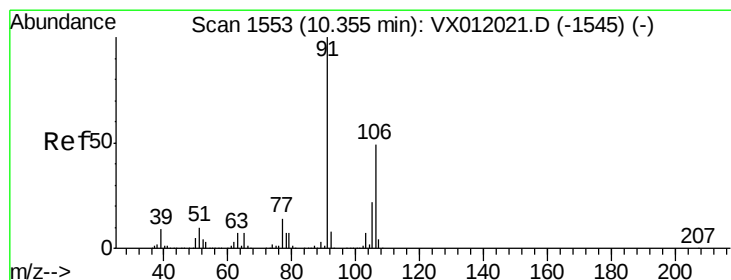
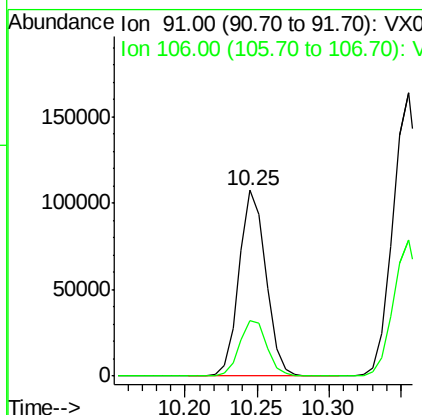
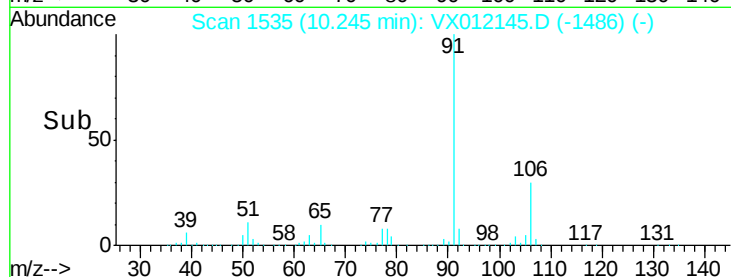
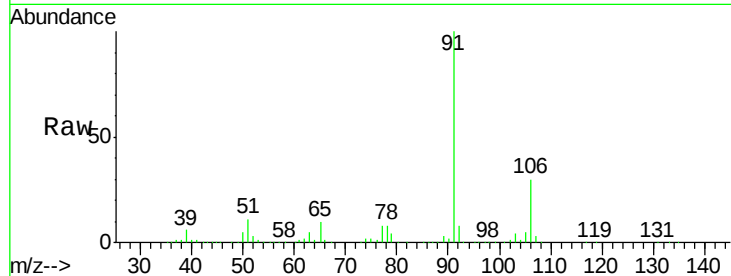
#67
Ethyl Benzene
Concen: 18.242 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion: 91 Resp: 139668
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8

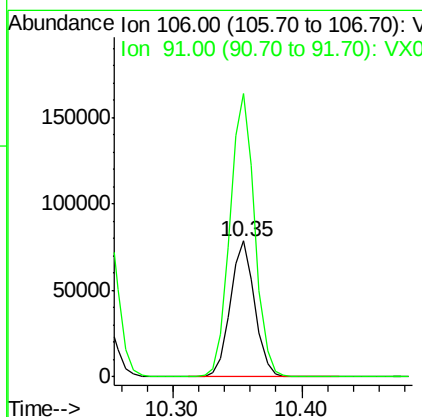
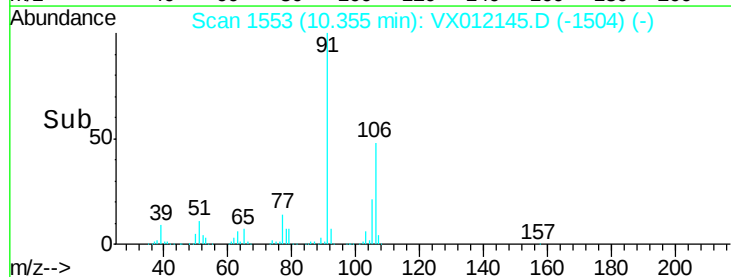
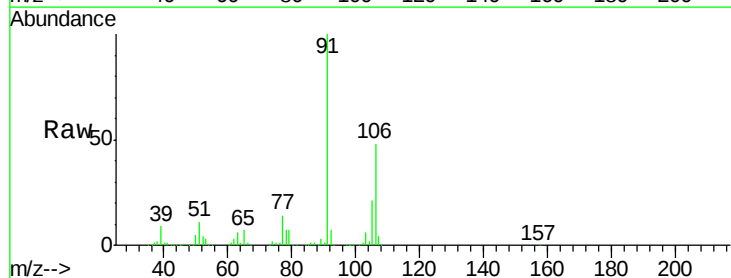
Manual Integrations
APPROVED

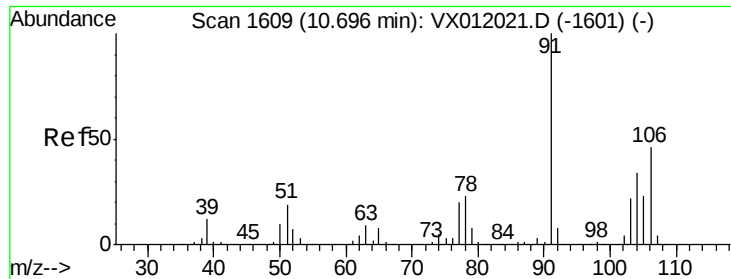
MMDadoda
9/9/2019 10:50:14 AM



#68
m/p-Xylenes
Concen: 36.972 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 106 Resp: 104293
Ion Ratio Lower Upper
106 100
91 211.8 157.5 236.3





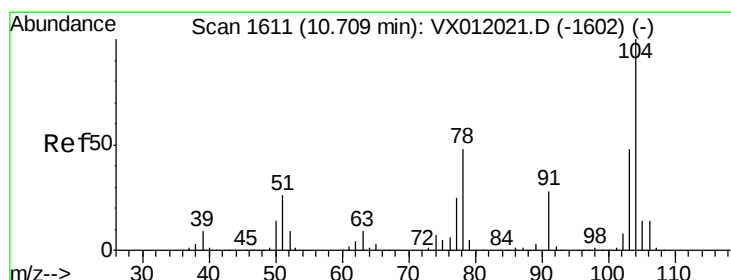
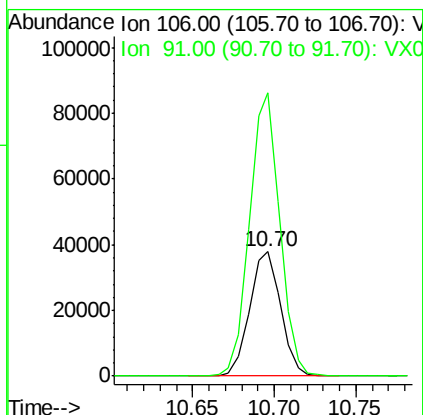
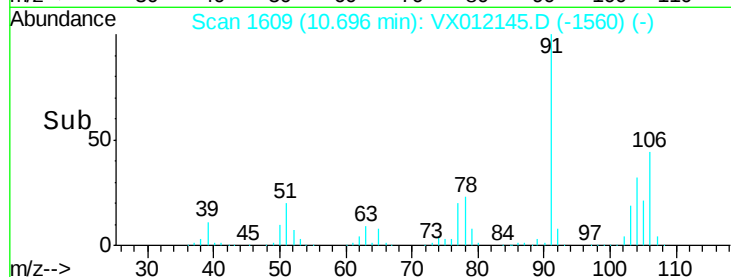
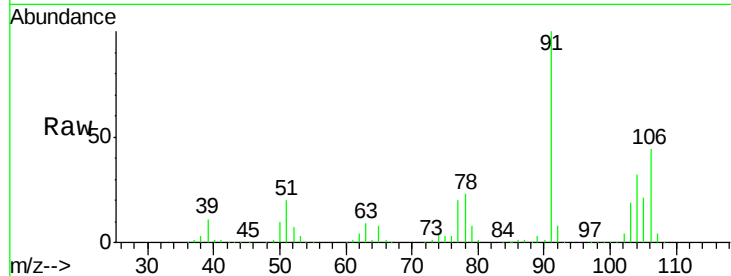
#69
o-Xylene
Concen: 18.310 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleID :
VX0906SBS01

Tot Ion:106 Resp: 50084
Ion Ratio Lower Upper
106 100
91 223.2 103.5 310.3

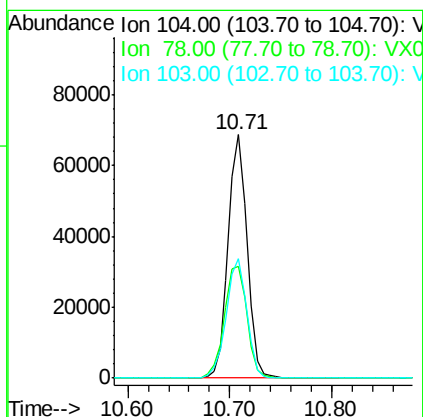
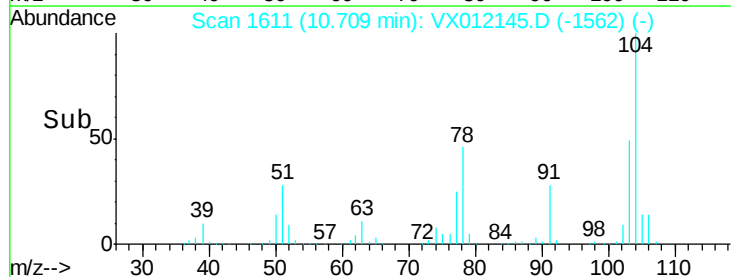
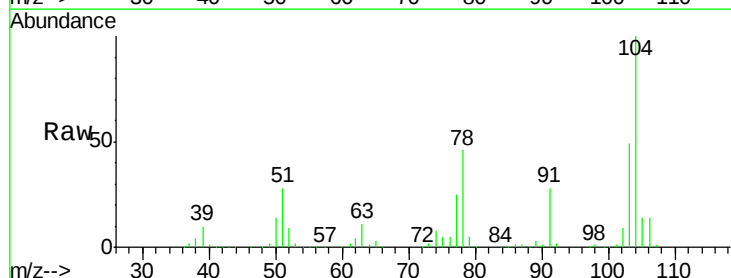
Manual Integrations
APPROVED

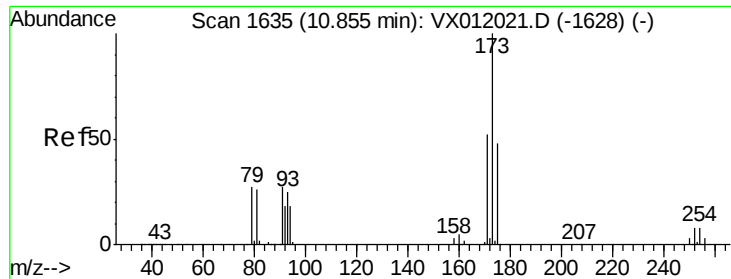
MMDadoda
9/9/2019 10:50:14 AM



#70
Styrene
Concen: 18.699 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion:104 Resp: 88840
Ion Ratio Lower Upper
104 100
78 54.9 39.1 58.7
103 53.1 43.4 65.2





#71

Bromoform

Concen: 17.231 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

VX0906SBS01

Tot Ion:173 Resp: 14535

Ion Ratio Lower Upper

173 100

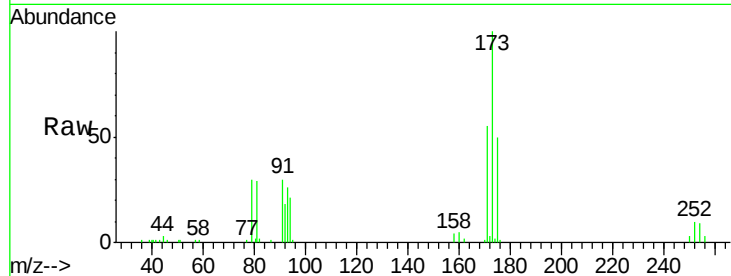
175 50.1 24.9 74.7

254 0.0 0.1 0.1#

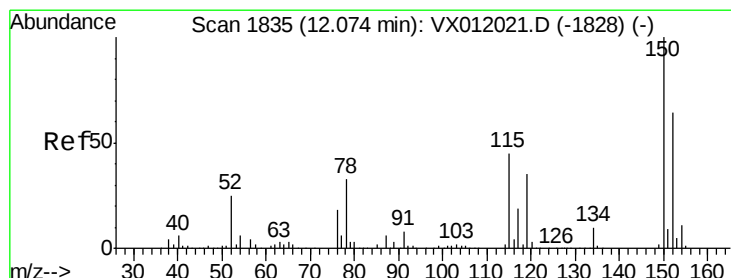
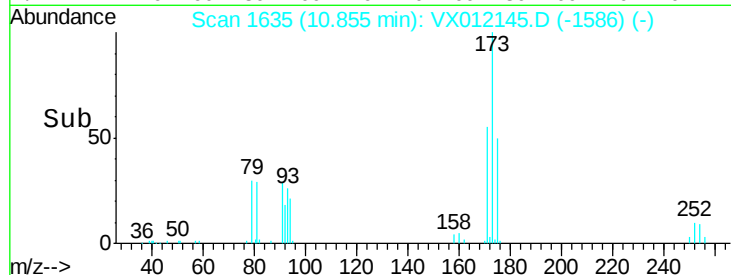
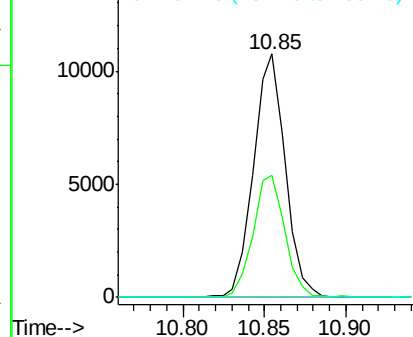
Manual Integrations
APPROVED

MMDadoda

9/9/2019 10:50:14 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

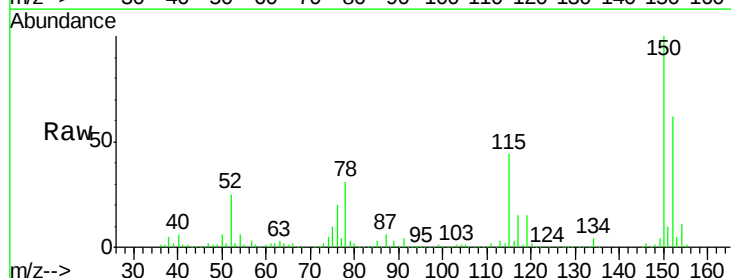
Tgt Ion:152 Resp: 101883

Ion Ratio Lower Upper

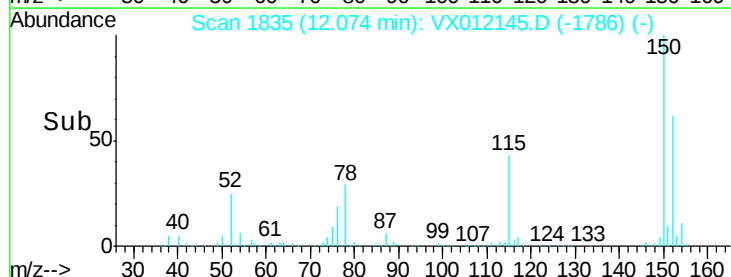
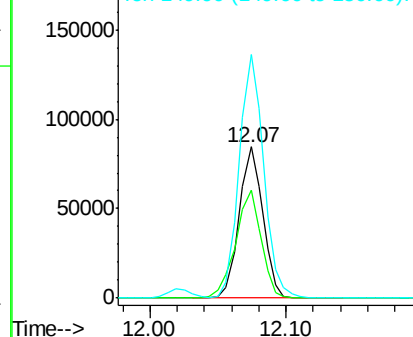
152 100

115 77.2 36.4 109.3

150 167.4 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: 18.736 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 105 Resp: 140061

Ion Ratio Lower Upper

105 100

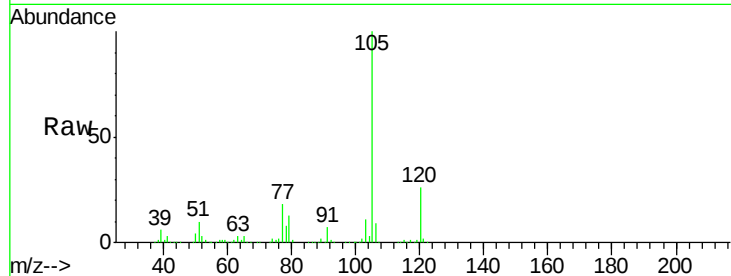
120 25.4 13.9 41.6

Manual Integrations

APPROVED

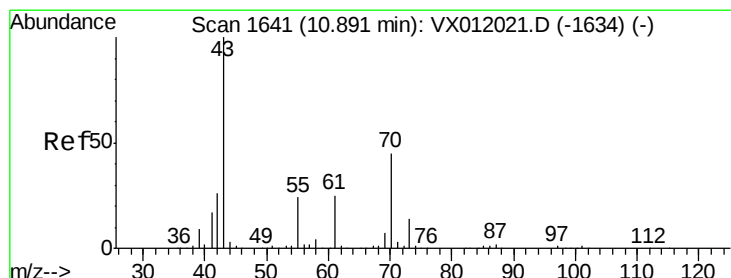
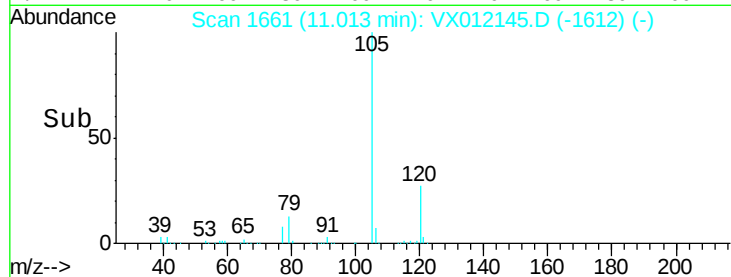
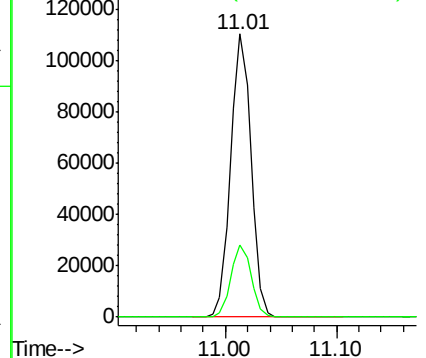
MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.006 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion: 43 Resp: 42007

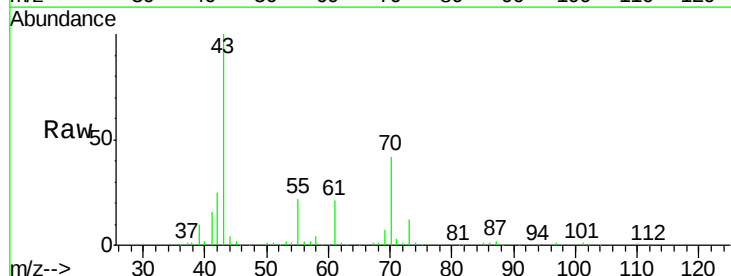
Ion Ratio Lower Upper

43 100

70 41.2 34.4 51.6

55 23.0 18.5 27.7

61 22.1 19.5 29.3

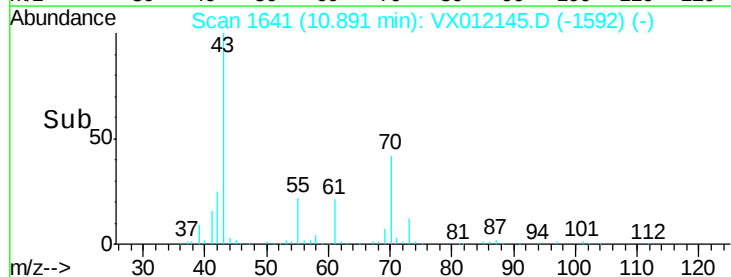
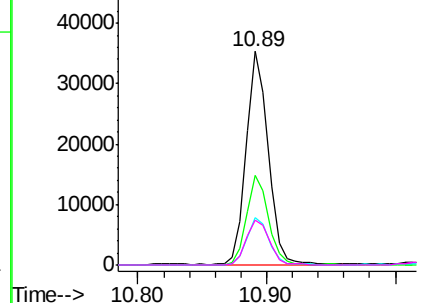


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.170 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

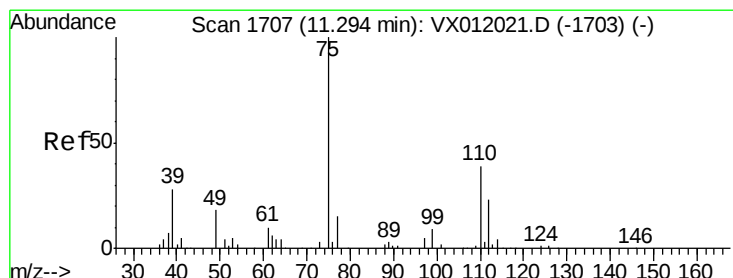
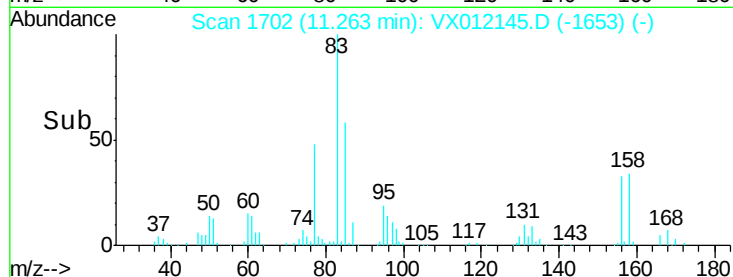
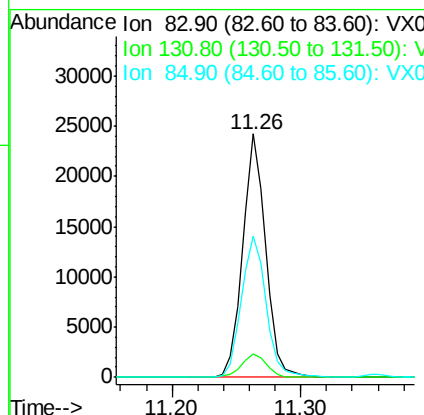
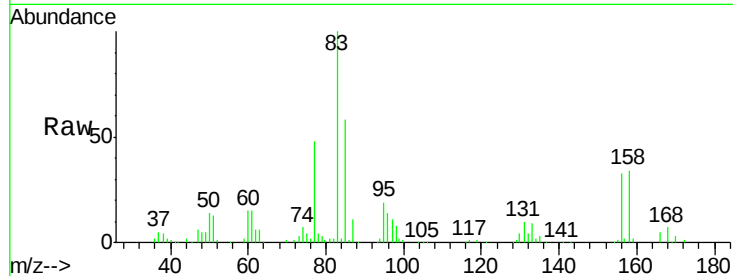
ClientSampleId :

VX0906SBS01

Tot Ion:	83	Resp:	29875
Ion Ratio	Lower	Upper	
83	100		
131	10.3	6.3	19.1
85	62.5	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.218 ug/l m

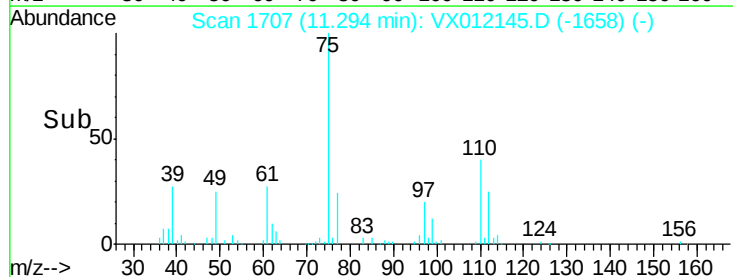
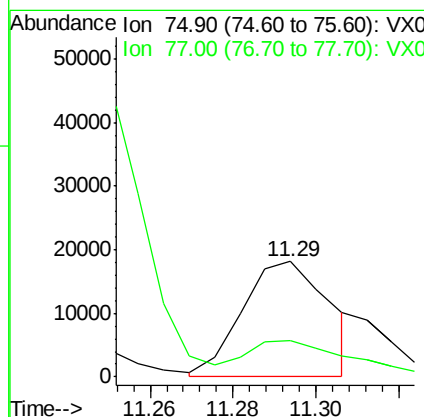
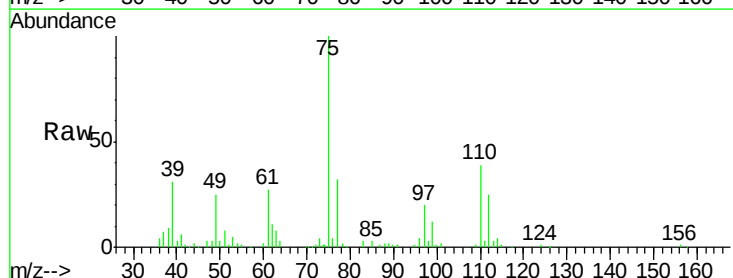
RT: 11.29 min Scan# 1707

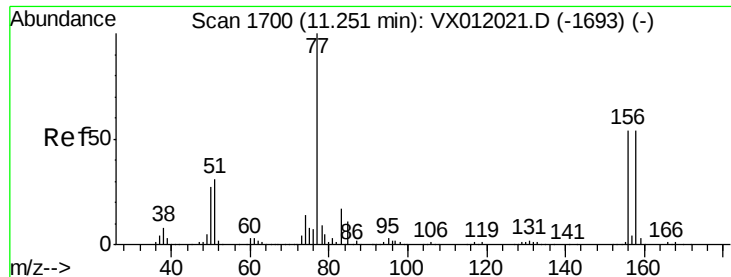
Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion:	75	Resp:	26413
Ion Ratio	Lower	Upper	
75	100		
77	38.0	23.5	70.5





#77

Bromobenzene

Concen: 19.176 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

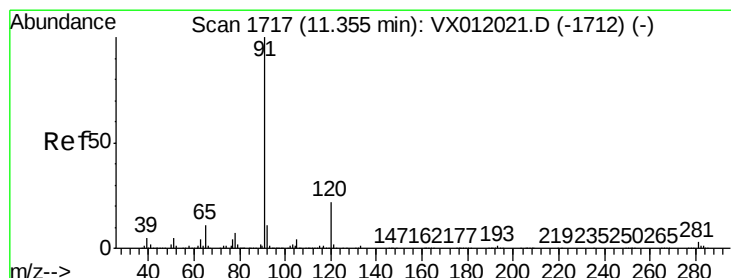
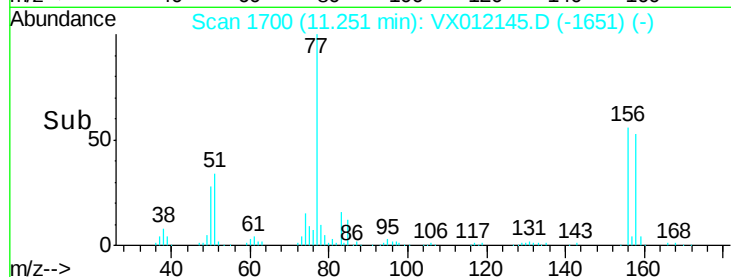
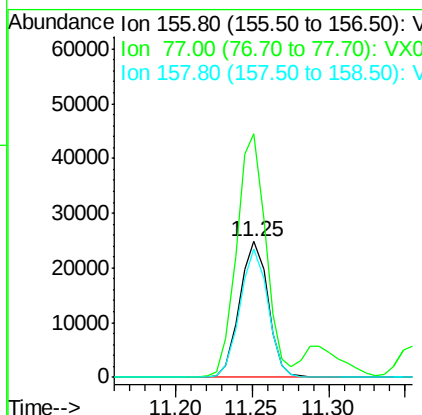
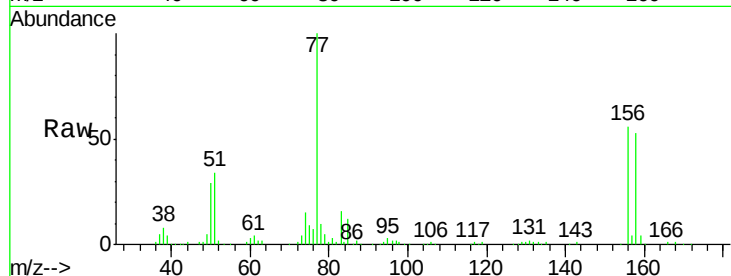
ClientSampleId :

VX0906SBS01

Tot Ion:	156	Resp:	32059
Ion	Ratio	Lower	Upper
156	100		
77	184.3	63.4	190.2
158	93.8	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#78

n-propylbenzene

Concen: 18.796 ug/l

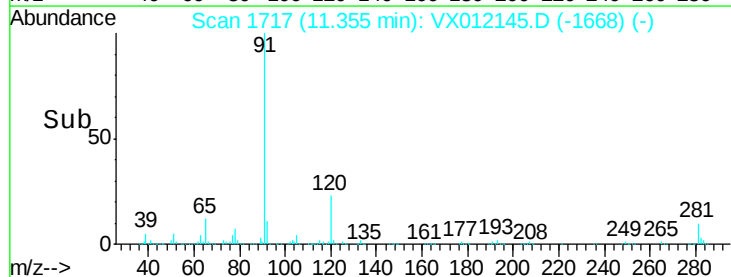
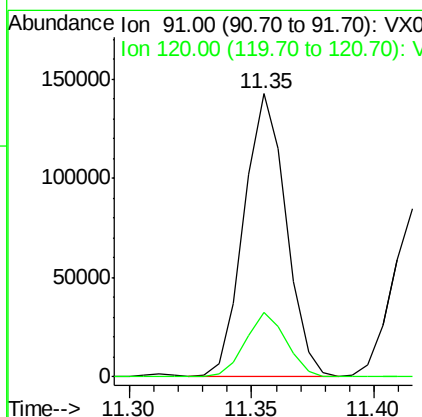
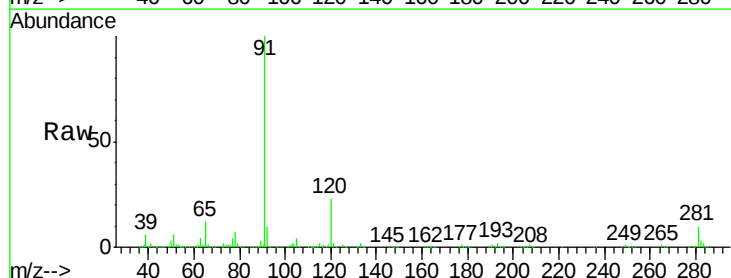
RT: 11.35 min Scan# 1717

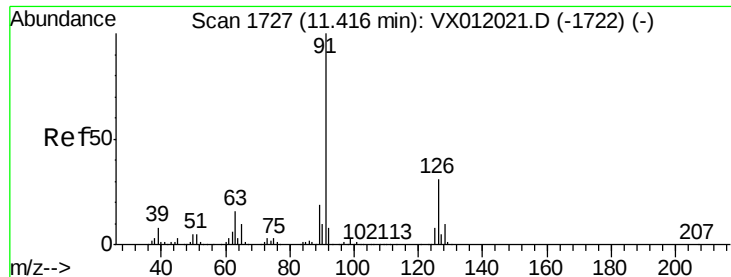
Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Tgt Ion:	91	Resp:	169750
Ion	Ratio	Lower	Upper
91	100		
120	22.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.550 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

VX0906SBS01

Tot Ion: 91 Resp: 101492

Ion Ratio Lower Upper

91 100

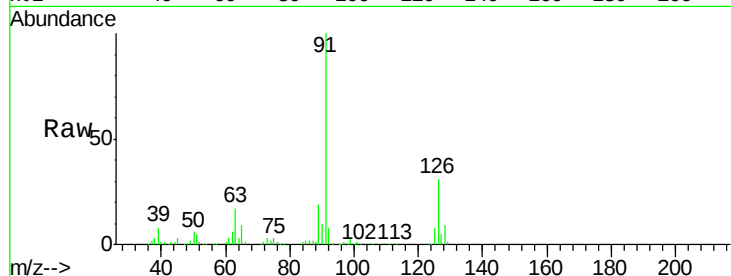
126 32.1 18.6 55.8

Manual Integrations

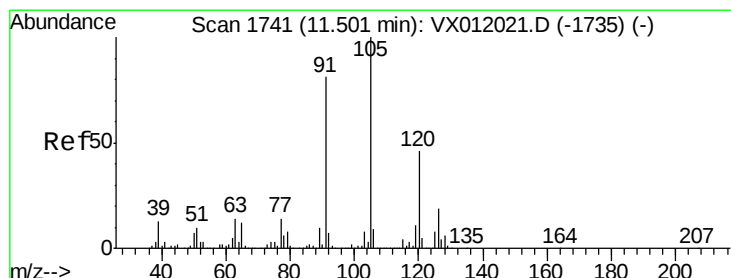
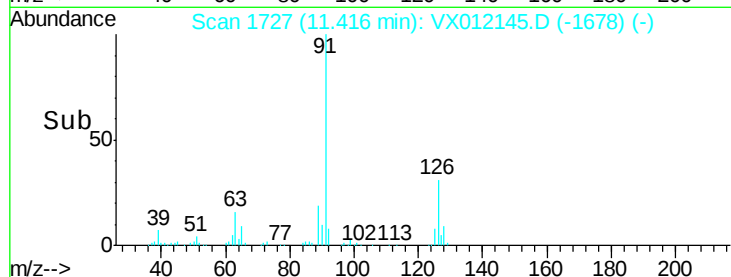
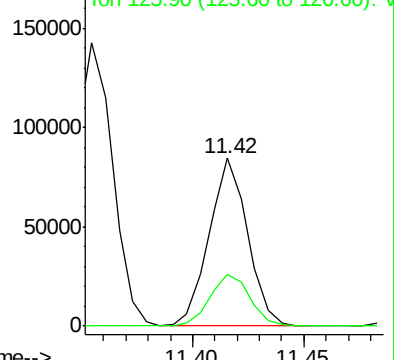
APPROVED

MMDadoda

9/9/2019 10:50:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.010 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012145.D

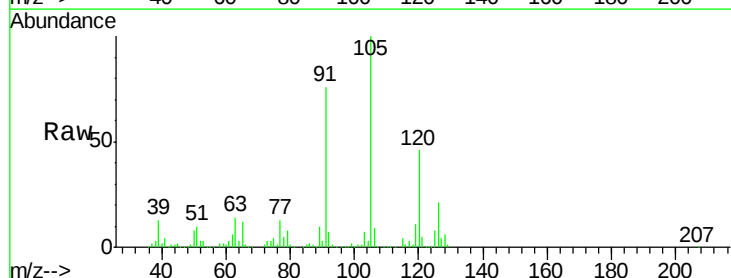
Acq: 06 Sep 2019 13:50

Tgt Ion: 105 Resp: 124536

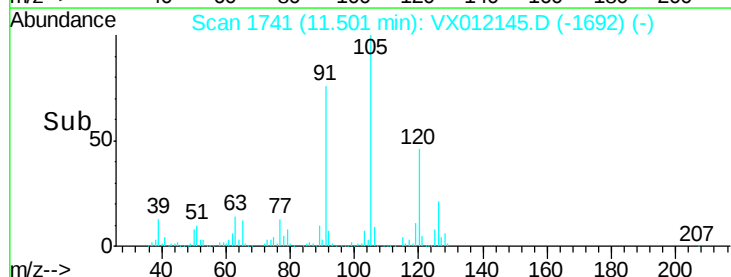
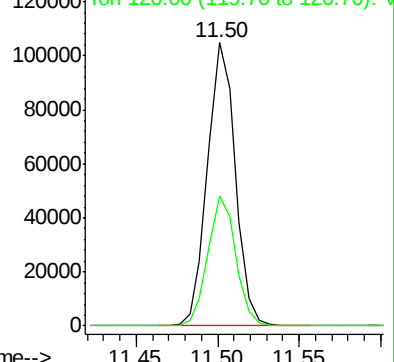
Ion Ratio Lower Upper

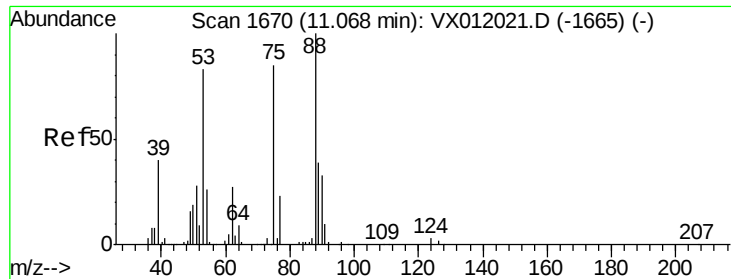
105 100

120 46.1 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)





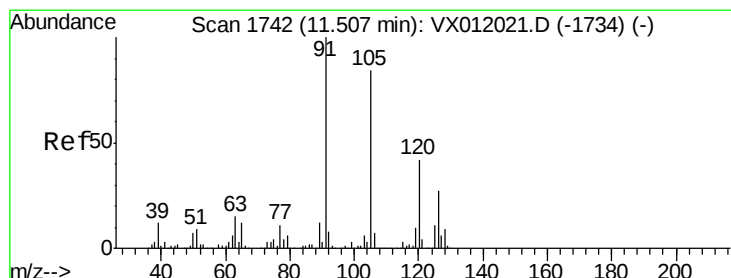
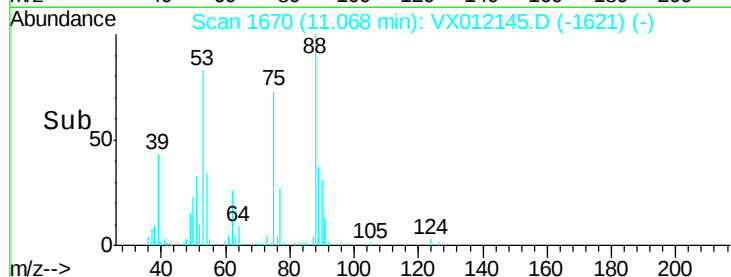
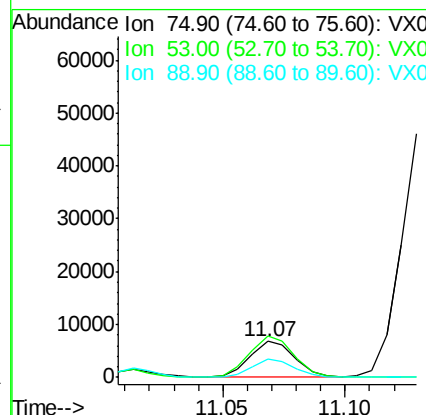
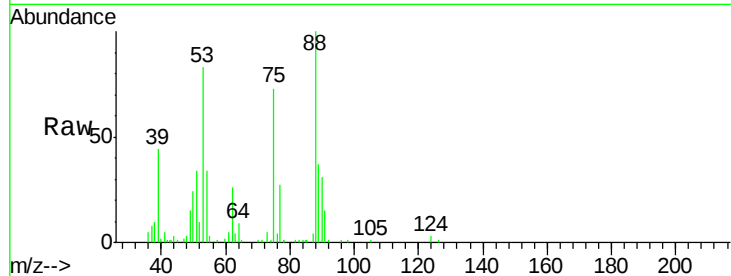
#81
trans-1,4-Dichloro-2-butene
Concen: 16.568 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.4	78.6	117.8
89	50.1	38.8	58.2

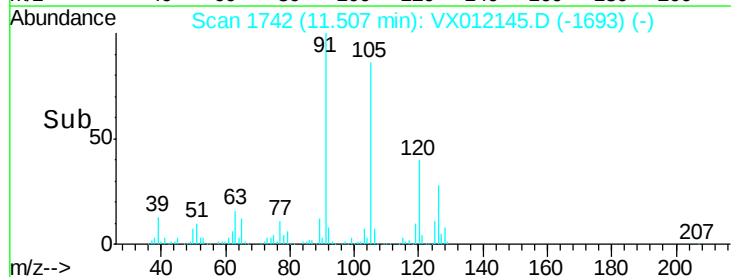
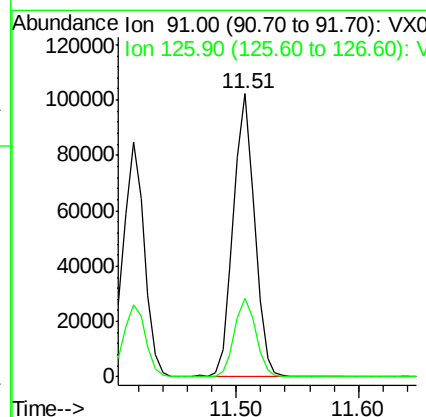
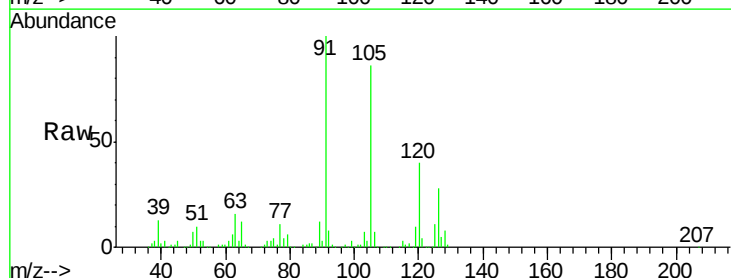
Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#82
4-Chlorotoluene
Concen: 18.967 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	16.2	48.6





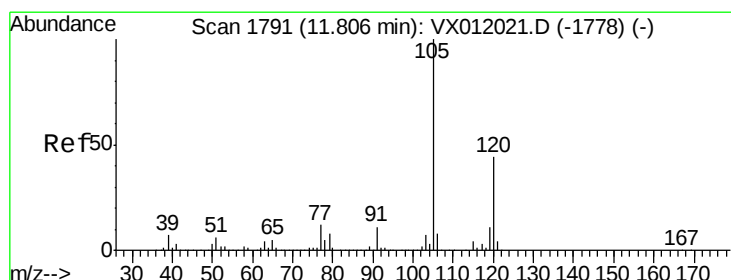
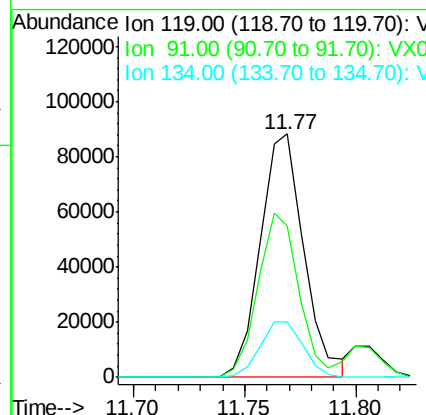
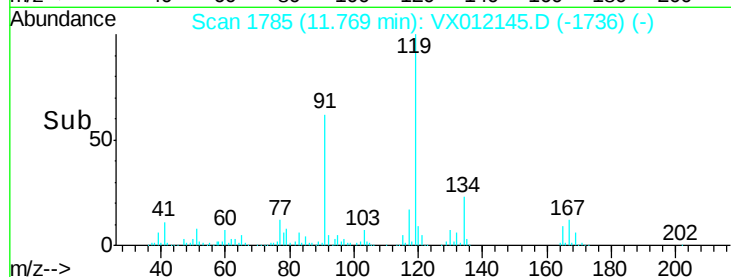
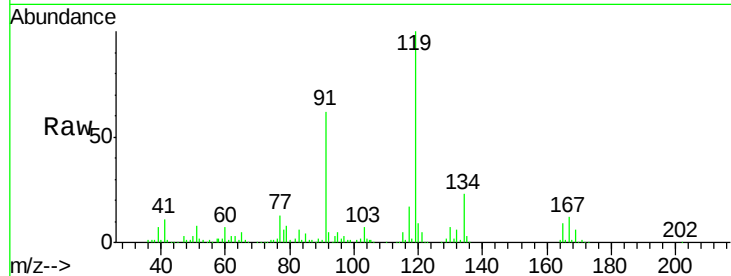
#83
 tert-Butylbenzene
 Concen: 19.290 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	120446		
91	63.2		27.1	81.2
134	22.6		12.1	36.3

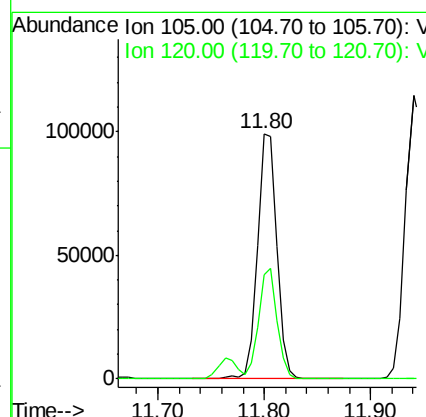
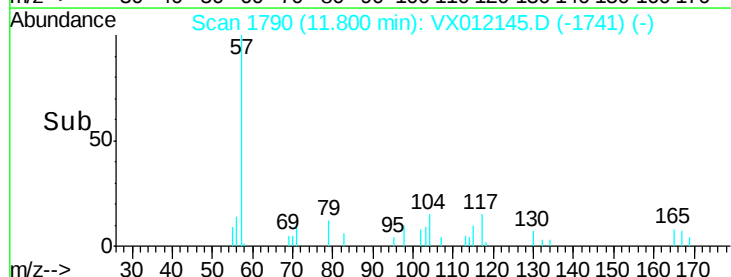
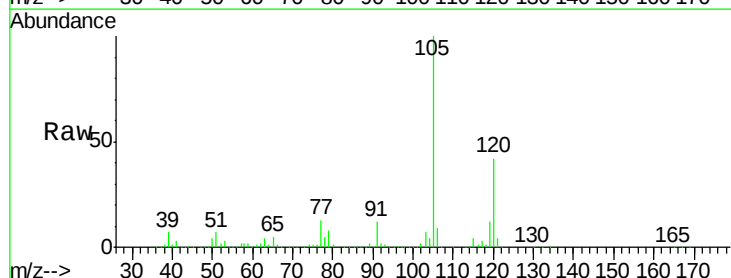
Manual Integrations
 APPROVED

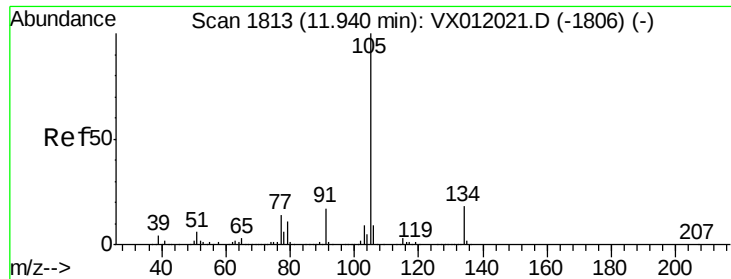
MMDadoda
 9/9/2019 10:50:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.835 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126813		
120	42.7		23.6	70.8





#85

sec-Butylbenzene

Concen: 18.727 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

VX0906SBS01

Tot Ion:105 Resp: 145234

Ion Ratio Lower Upper

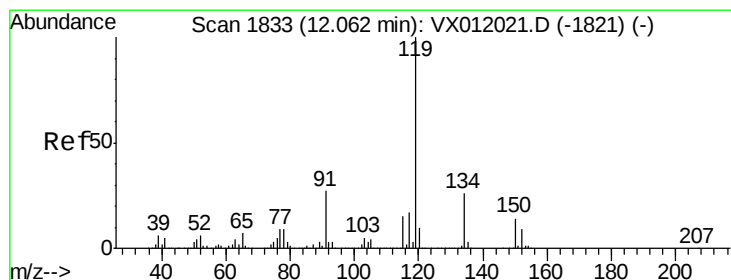
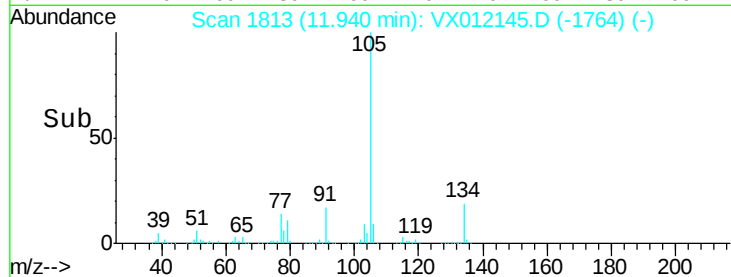
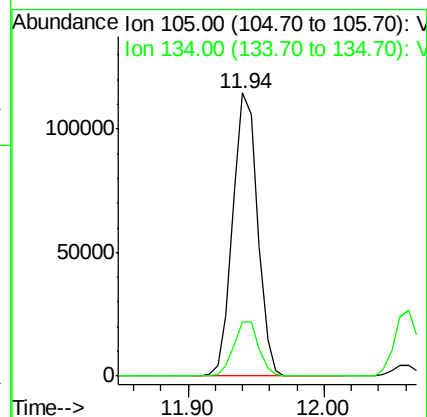
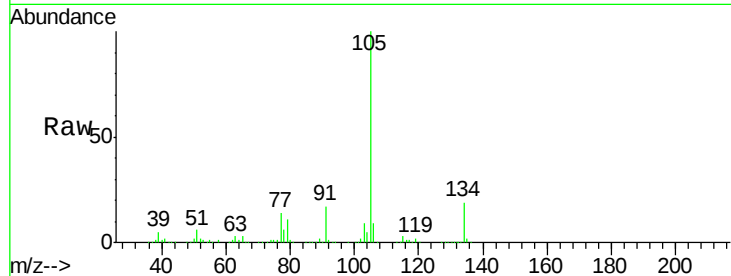
105 100

134 19.4 11.2 33.6

Manual Integrations
APPROVED

MMDadoda

9/9/2019 10:50:14 AM



#86

p-Isopropyltoluene

Concen: 18.505 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012145.D

Acq: 06 Sep 2019 13:50

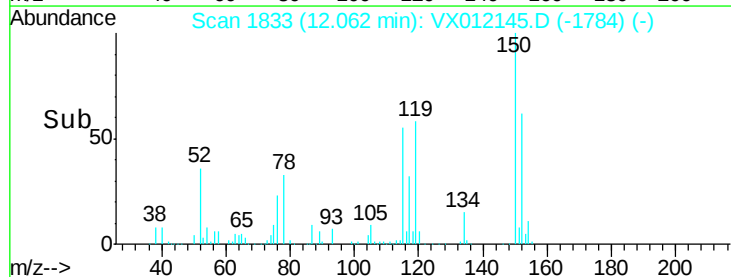
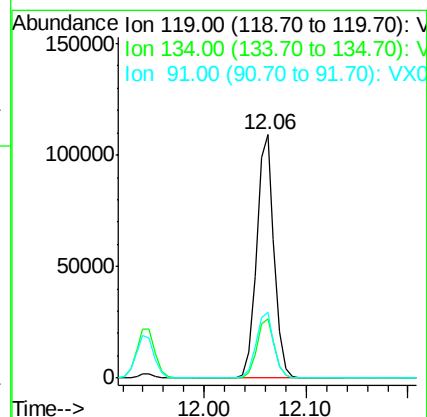
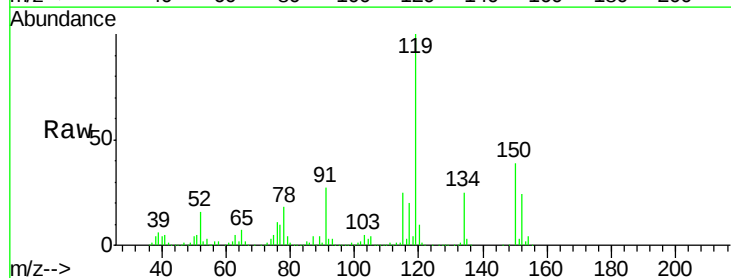
Tgt Ion:119 Resp: 130517

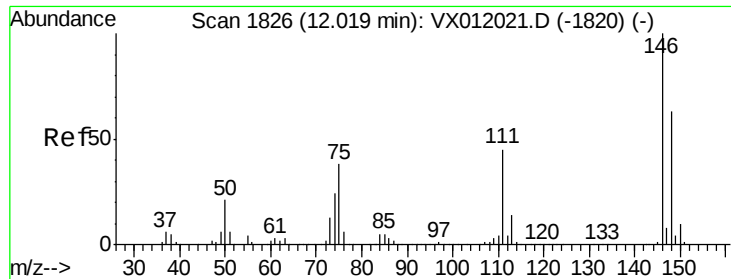
Ion Ratio Lower Upper

119 100

134 24.8 13.7 41.1

91 27.6 11.4 34.1





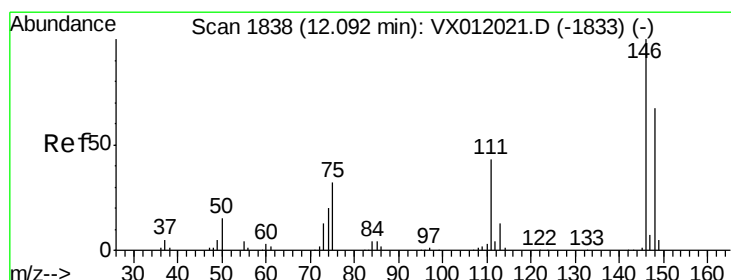
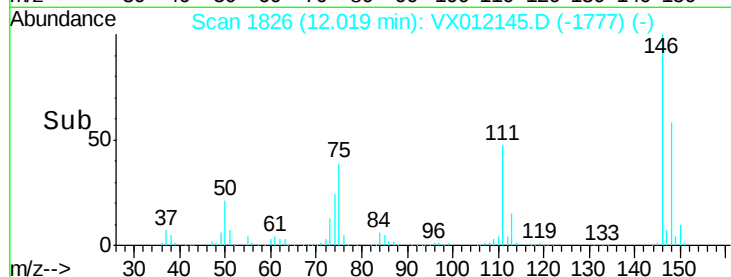
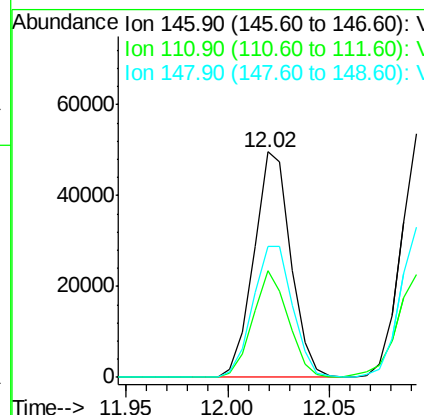
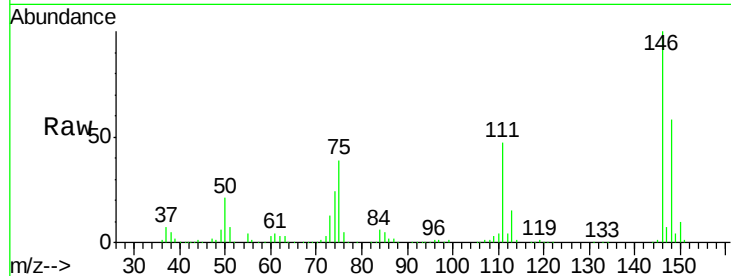
#87
 1,3-Dichlorobenzene
 Concen: 18.708 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	18.1	54.1
148	62.3	32.6	97.8

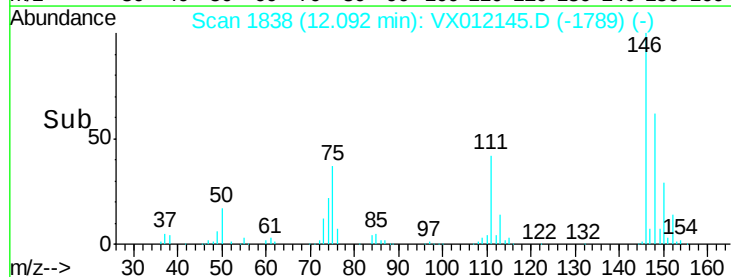
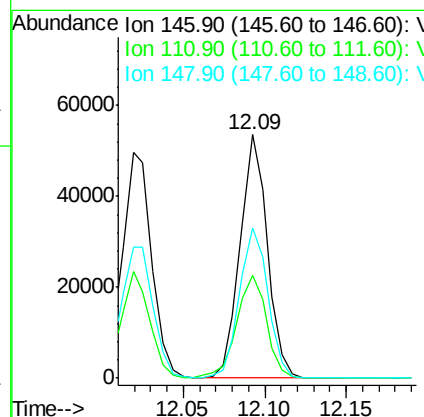
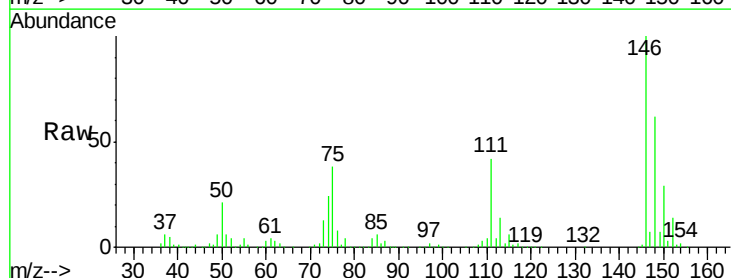
Manual Integrations
 APPROVED

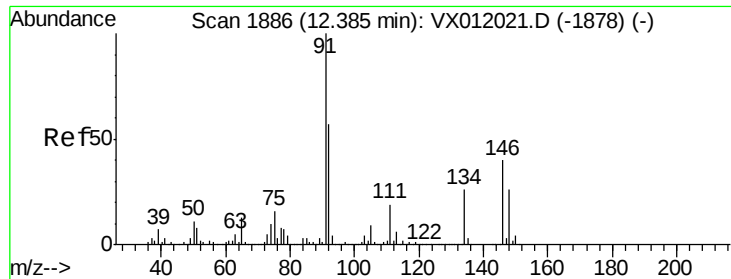
MMDadoda
 9/9/2019 10:50:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.672 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	17.7	53.1
148	64.3	32.4	97.0





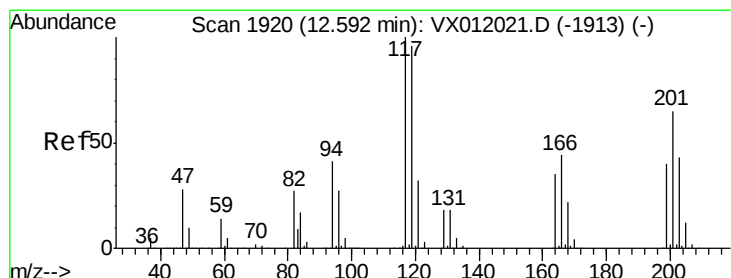
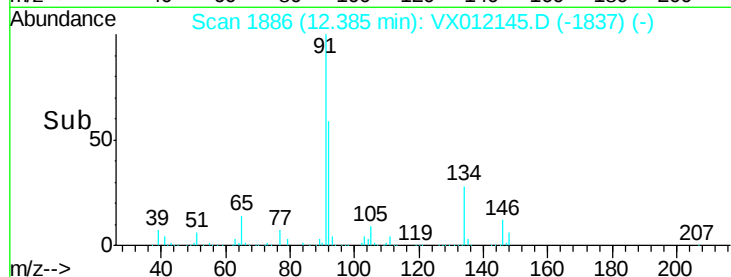
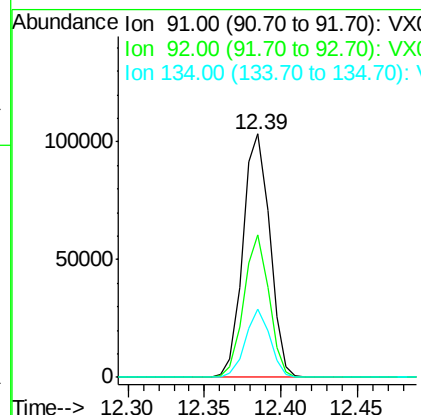
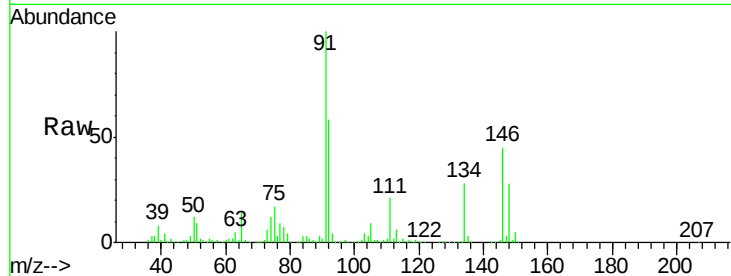
#89
n-Butylbenzene
Concen: 18.413 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126156		
92	55.0	27.6	82.8	
134	25.6	15.4	46.1	

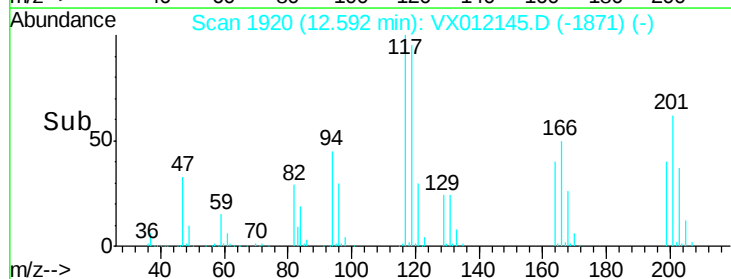
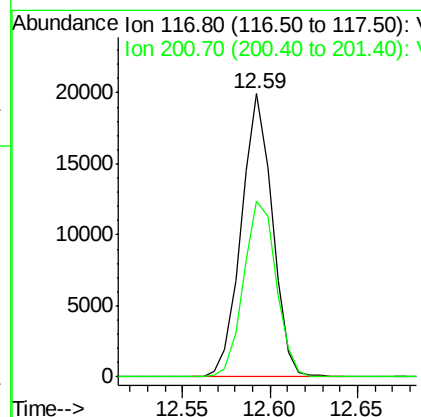
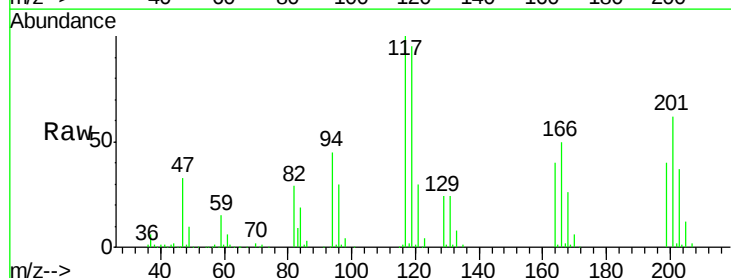
Manual Integrations
APPROVED

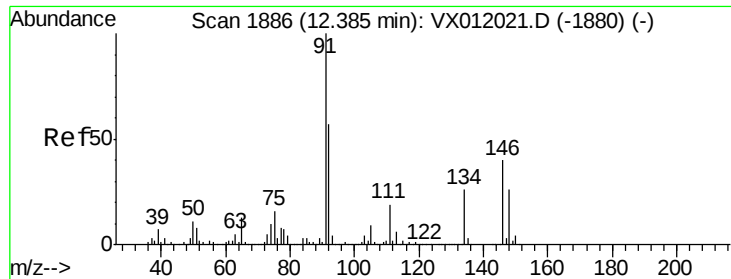
MMDadoda
9/9/2019 10:50:14 AM



#90
Hexachloroethane
Concen: 17.475 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24609		
201	65.3	55.0	165.2	





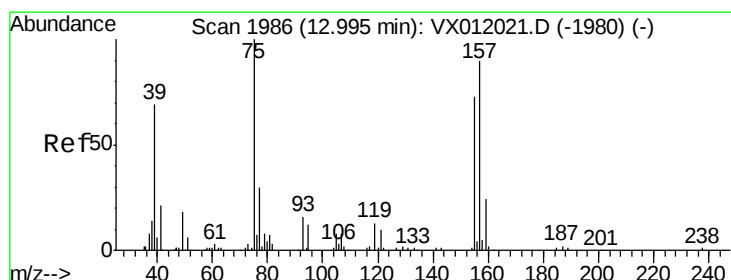
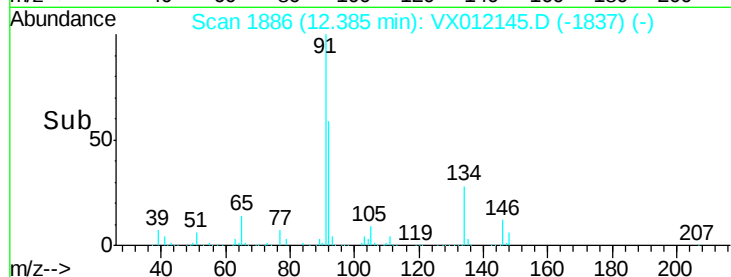
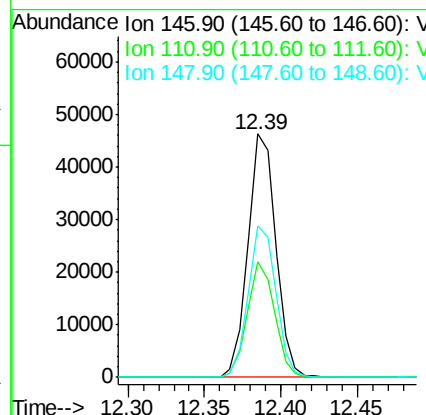
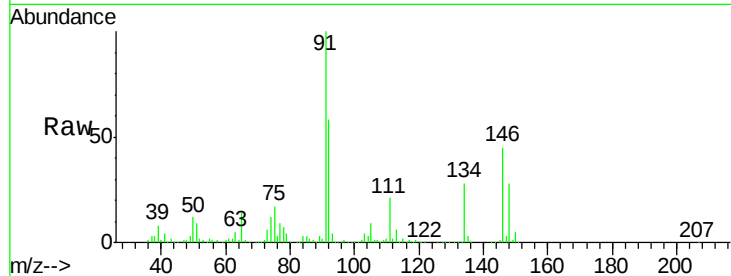
#91
 1,2-Dichlorobenzene
 Concen: 19.472 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	18.6	56.0
148	62.1	32.4	97.2

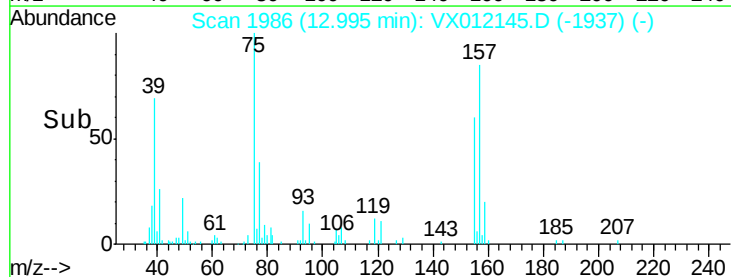
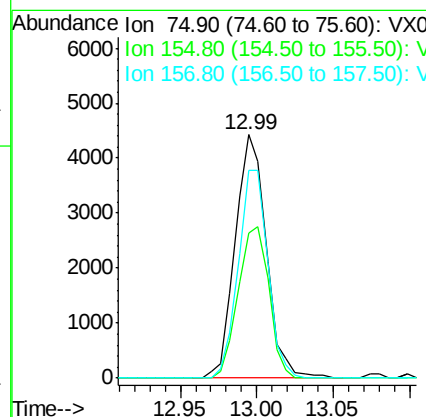
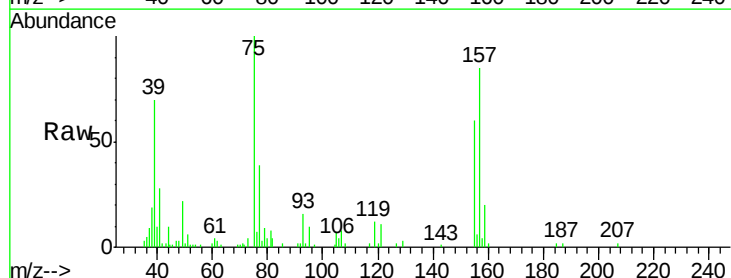
Manual Integrations
 APPROVED

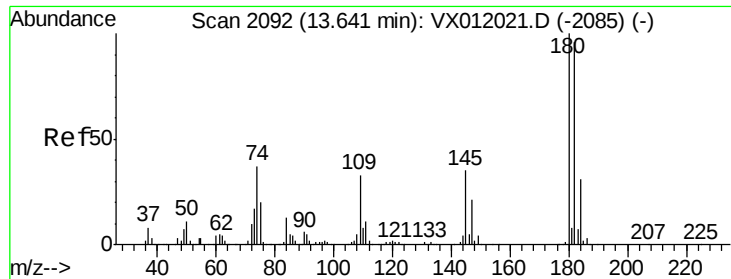
MMDadoda
 9/9/2019 10:50:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.067 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.6	51.7	155.2
157	81.3	66.9	200.7





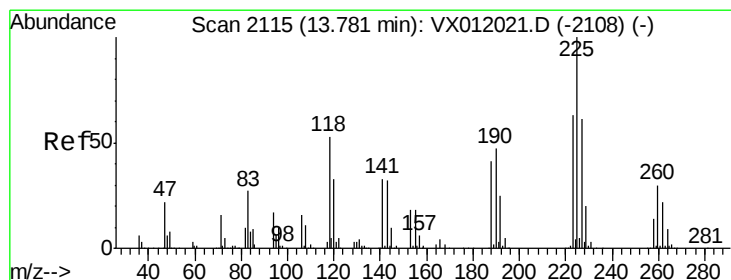
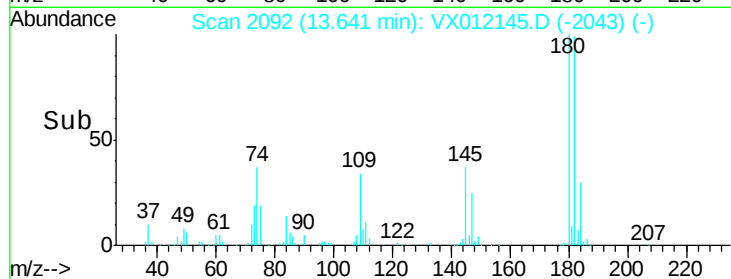
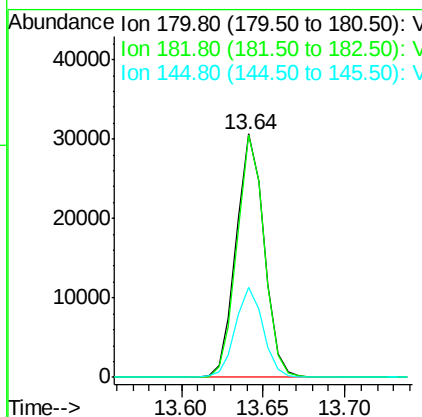
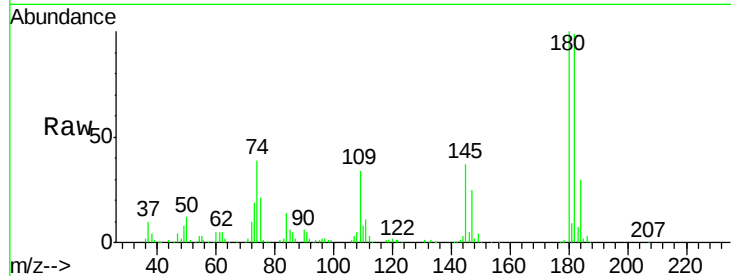
#93
 1,2,4-Trichlorobenzene
 Concen: 17.043 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36601		
182	96.7	47.3	142.0	
145	36.7	13.7	41.0	

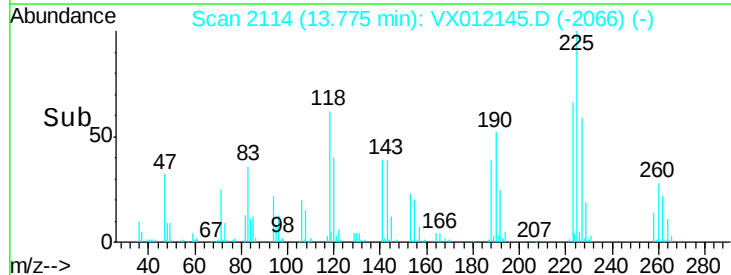
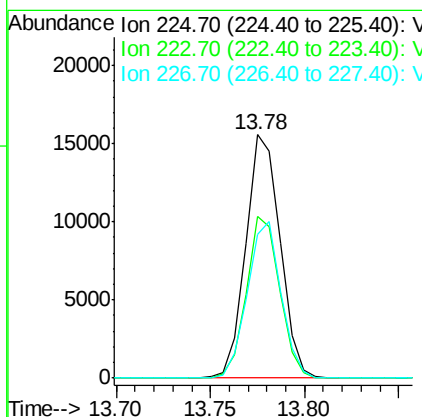
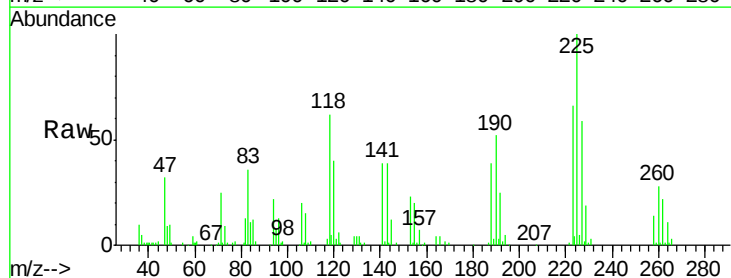
Manual Integrations
 APPROVED

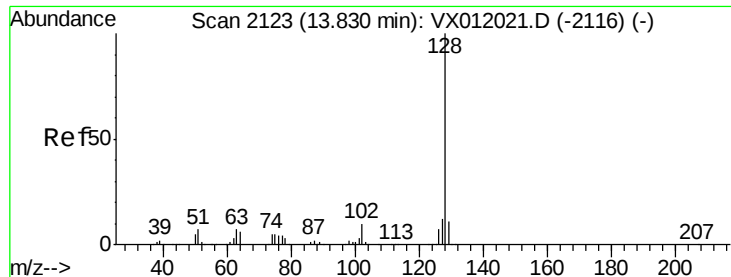
MMDadoda
 9/9/2019 10:50:14 AM



#94
 Hexachlorobutadiene
 Concen: 18.159 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012145.D
 Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19658		
223	64.2	31.6	95.0	
227	63.2	32.5	97.5	





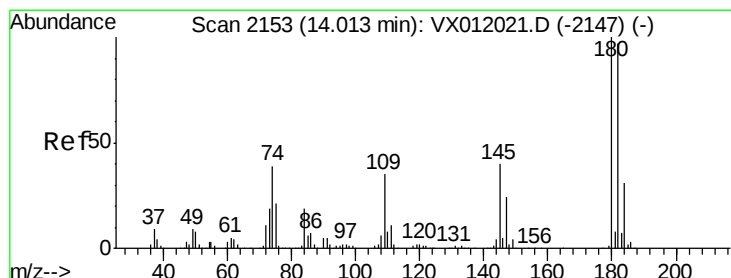
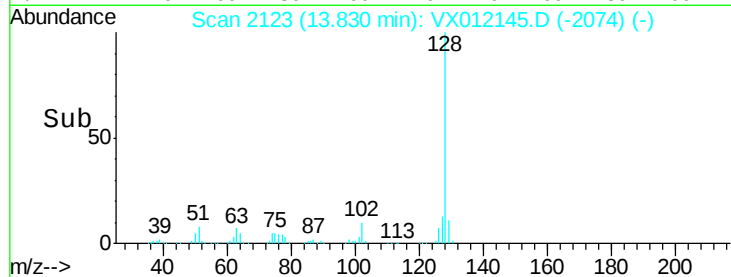
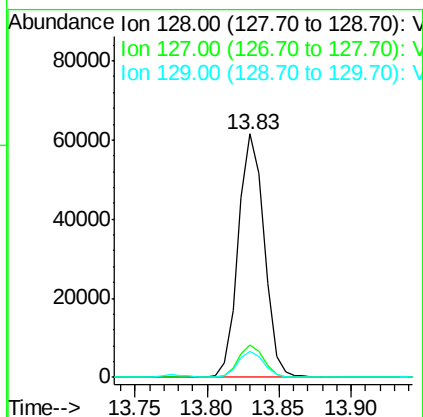
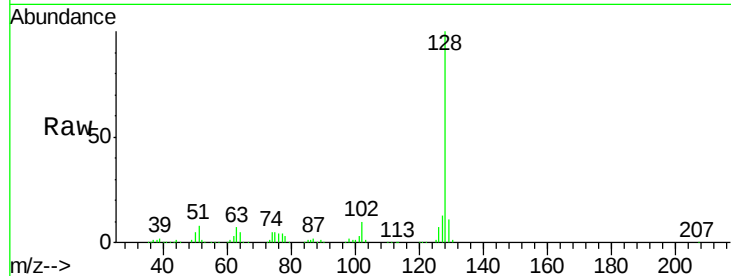
#95
Naphthalene
Concen: 16.646 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
VX0906SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 10:50:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.232 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012145.D
Acq: 06 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	37.5	14.1	42.4

