

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012289.D
 Acq On : 11 Sep 2019 07:48
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:28 AM

Quant Time: Sep 11 08:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	122933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91169	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	5.48	113	71284	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	263877	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	110949	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46188	45.955	ug/l	96
3) Chloromethane	1.31	50	46833	51.694	ug/l	97
4) Vinyl Chloride	1.39	62	43452	48.371	ug/l	97
5) Bromomethane	1.62	94	24072	67.763	ug/l	99
6) Chloroethane	1.71	64	30237	50.338	ug/l	98
7) Trichlorofluoromethane	1.92	101	75781	46.613	ug/l	100
8) Diethyl Ether	2.17	74	29081	52.421	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53965	49.251	ug/l	99
10) Methyl Iodide	2.50	142	34393	32.980	ug/l	98
11) Tert butyl alcohol	3.03	59	52609	286.410	ug/l	99
12) 1,1-Dichloroethene	2.36	96	47659	51.234	ug/l	98
13) Acrolein	2.28	56	12689	139.662	ug/l	99
14) Allyl chloride	2.71	41	93327	49.209	ug/l	99
15) Acrylonitrile	3.12	53	96759	282.158	ug/l	99
16) Acetone	2.43	43	85734	208.374	ug/l	98
17) Carbon Disulfide	2.56	76	96061	49.176	ug/l	98
18) Methyl Acetate	2.76	43	49153	56.837	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	197006	53.628	ug/l	98
20) Methylene Chloride	2.84	84	67991	53.132	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	57060	51.413	ug/l	99
22) Diisopropyl ether	3.84	45	228832	52.759	ug/l	94
23) Vinyl Acetate	3.80	43	666691	250.530	ug/l	99
24) 1,1-Dichloroethane	3.68	63	121837	52.442	ug/l	99
25) 2-Butanone	4.65	43	134527	255.769	ug/l	99
26) 2,2-Dichloropropane	4.56	77	82299	37.731	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	75604	52.765	ug/l	96
28) Bromochloromethane	5.00	49	58913	54.068	ug/l	100
29) Tetrahydrofuran	5.11	42	83031	292.585	ug/l	100
30) Chloroform	5.19	83	138451	52.848	ug/l	100
31) Cyclohexane	5.57	56	75765	46.947	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	115194	51.208	ug/l	99
36) 1,1-Dichloropropene	5.78	75	82343	48.847	ug/l	100
37) Ethyl Acetate	4.82	43	56420	54.143	ug/l	98
38) Carbon Tetrachloride	5.77	117	92212	46.623	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012289.D
 Acq On : 11 Sep 2019 07:48
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:28 AM

Quant Time: Sep 11 08:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	82448	44.567	ug/l	97
40) Benzene	6.13	78	253967	49.778	ug/l	98
41) Methacrylonitrile	5.02	41	35900	55.883	ug/l	93
42) 1,2-Dichloroethane	6.18	62	102035	50.601	ug/l	99
43) Isopropyl Acetate	6.43	43	115231	52.450	ug/l	99
44) Trichloroethene	7.20	130	69340	50.219	ug/l	100
45) 1,2-Dichloropropane	7.50	63	70267	49.756	ug/l	99
46) Dibromomethane	7.65	93	41180	53.353	ug/l	99
47) Bromodichloromethane	7.89	83	106269	50.453	ug/l	100
48) Methyl methacrylate	7.76	41	56025	53.276	ug/l	98
49) 1,4-Dioxane	7.73	88	16560	1167.011	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	305170	263.188	ug/l	100
52) Toluene	8.78	92	165223	49.028	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	95768	45.554	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	106074	45.502	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61244	51.217	ug/l	98
56) Ethyl methacrylate	9.17	69	83709	51.703	ug/l	100
57) 1,3-Dichloropropane	9.37	76	105252	51.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	209550	252.529	ug/l	99
59) 2-Hexanone	9.48	43	211326	262.121	ug/l	99
60) Dibromochloromethane	9.57	129	70260	50.331	ug/l	97
61) 1,2-Dibromoethane	9.67	107	57667	51.809	ug/l	98
64) Tetrachloroethene	9.33	164	69257	60.768	ug/l	96
65) Chlorobenzene	10.14	112	191169	48.550	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	73766	49.696	ug/l	99
67) Ethyl Benzene	10.25	91	342784	48.947	ug/l	98
68) m/p-Xylenes	10.36	106	251525	97.567	ug/l	98
69) o-Xylene	10.70	106	123190	48.780	ug/l	100
70) Styrene	10.71	104	223007	49.791	ug/l	100
71) Bromoform	10.85	173	38269	49.719	ug/l #	100
73) Isopropylbenzene	11.01	105	335208	48.228	ug/l	99
74) N-amyl acetate	10.89	43	91665	44.356	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	77801	52.120	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	68357m	50.400	ug/l	
77) Bromobenzene	11.25	156	80183	50.107	ug/l	100
78) n-propylbenzene	11.35	91	399203	47.562	ug/l	100
79) 2-Chlorotoluene	11.42	91	250543	48.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	300991	48.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18518	40.909	ug/l	92
82) 4-Chlorotoluene	11.51	91	305408	48.870	ug/l	100
83) tert-Butylbenzene	11.76	119	276845	45.614	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	307681	47.618	ug/l	97
85) sec-Butylbenzene	11.94	105	341426	47.147	ug/l	100
86) p-Isopropyltoluene	12.06	119	293177	43.815	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	159604	48.962	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	160046	48.554	ug/l	99
89) n-Butylbenzene	12.39	91	308574	47.051	ug/l	99
90) Hexachloroethane	12.59	117	59832	48.546	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	150833	50.020	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15393	50.521	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091019\
Data File : VX012289.D
Acq On : 11 Sep 2019 07:48
Operator : SY/SP
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

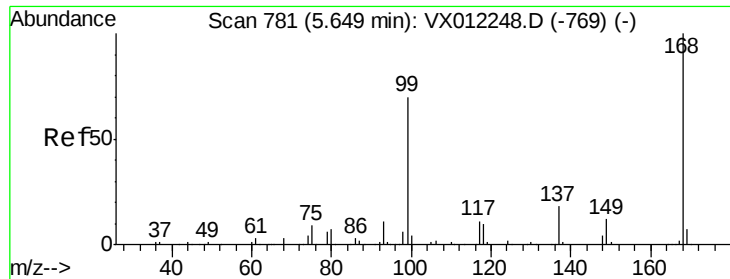
Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM

Quant Time: Sep 11 08:11:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	98508	47.304	ug/l	97
94) Hexachlorobutadiene	13.78	225	51334	49.552	ug/l	98
95) Naphthalene	13.83	128	232716	52.075	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	91108	49.448	ug/l	99

(#) = 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: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 122933

Ion Ratio Lower Upper

168 100

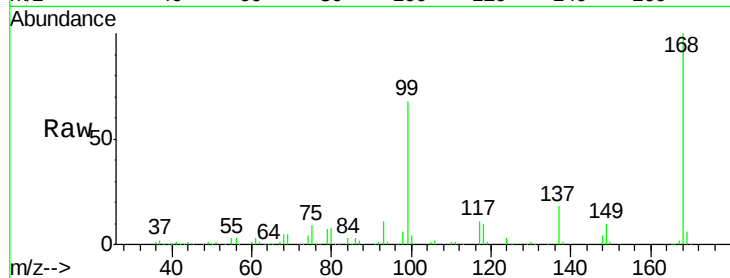
99 67.7 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

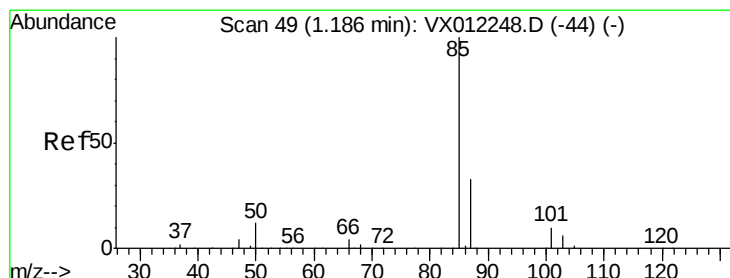
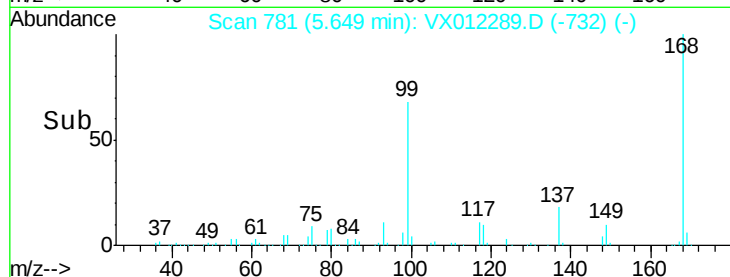
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.955 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012289.D

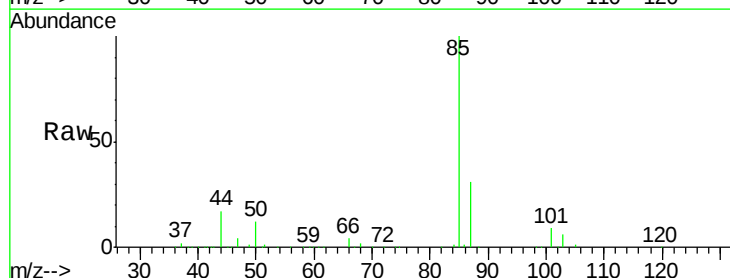
Acq: 11 Sep 2019 07:48

Tgt Ion: 85 Resp: 46188

Ion Ratio Lower Upper

85 100

87 30.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

30000

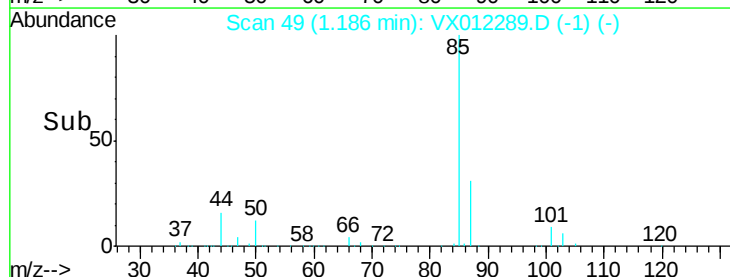
20000

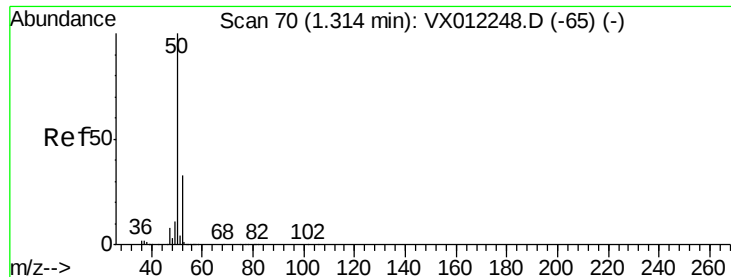
10000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 51.694 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 46833

Ion Ratio Lower Upper

50 100

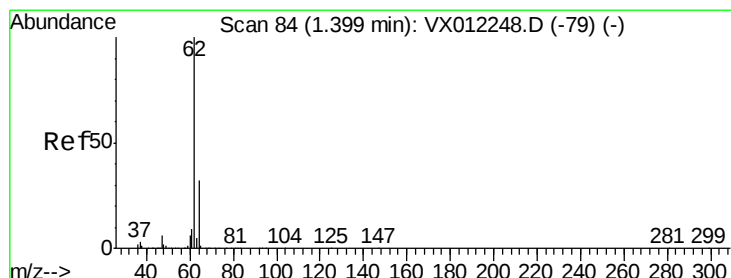
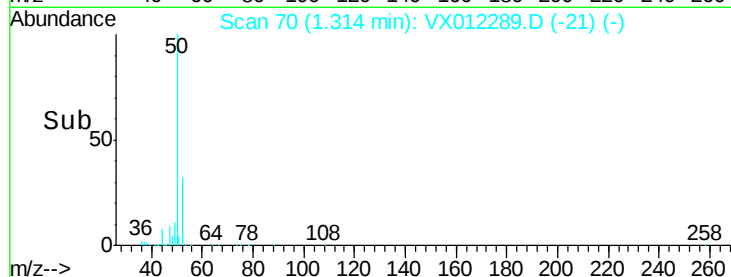
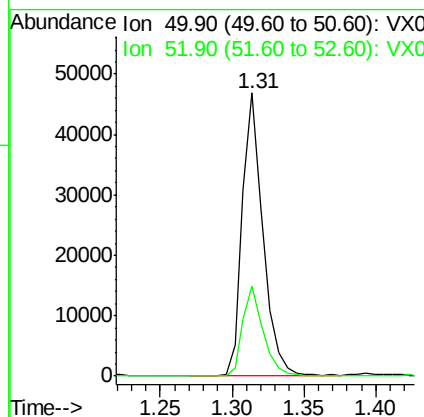
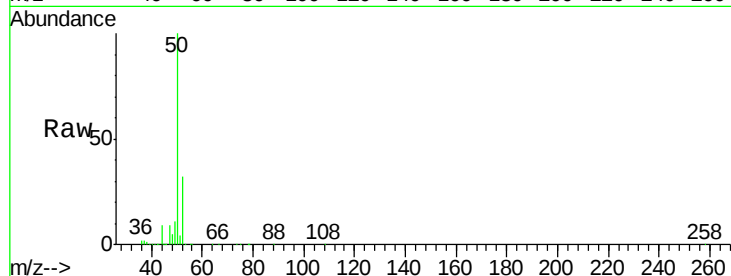
52 31.8 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#4

Vinyl Chloride

Concen: 48.371 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012289.D

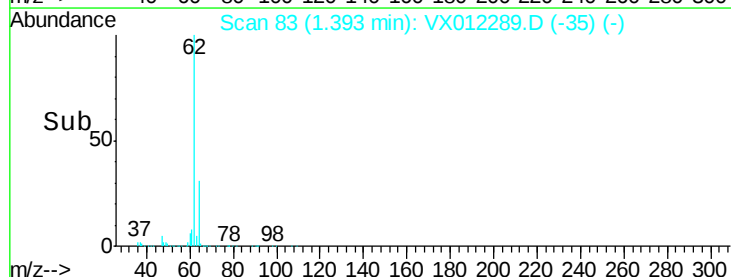
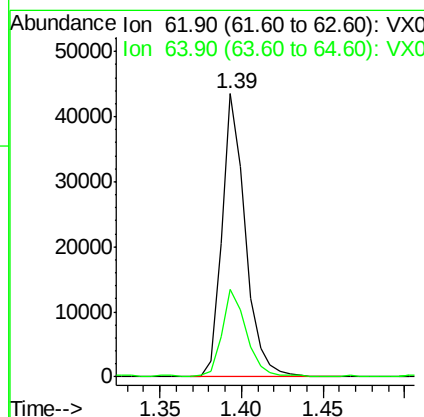
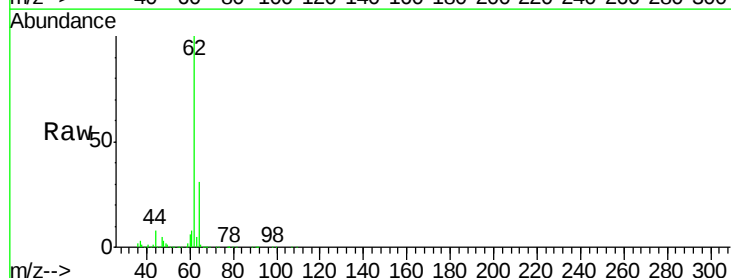
Acq: 11 Sep 2019 07:48

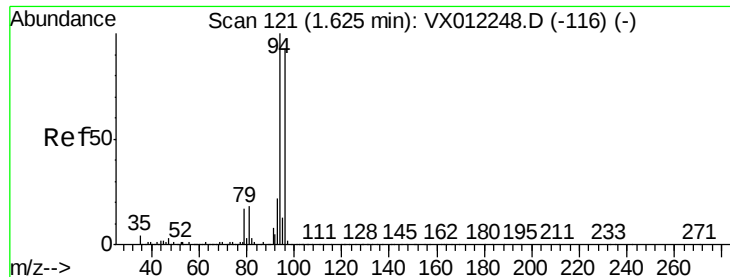
Tgt Ion: 62 Resp: 43452

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 67.763 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 24072

Ion Ratio Lower Upper

94 100

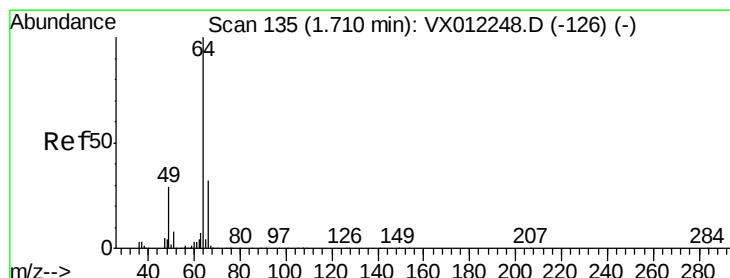
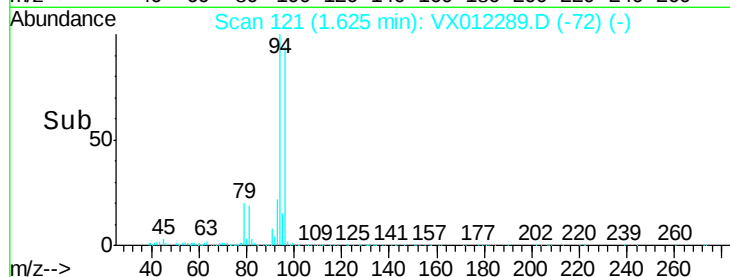
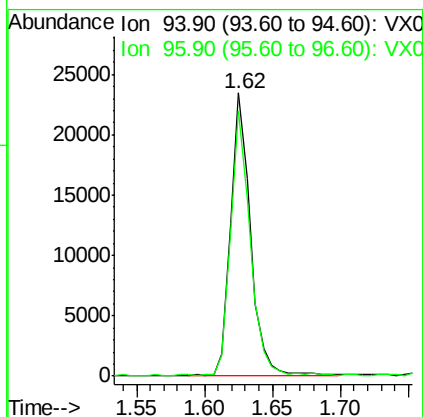
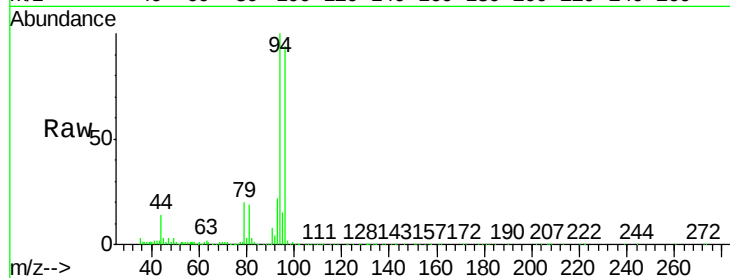
96 93.3 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#6

Chloroethane

Concen: 50.338 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012289.D

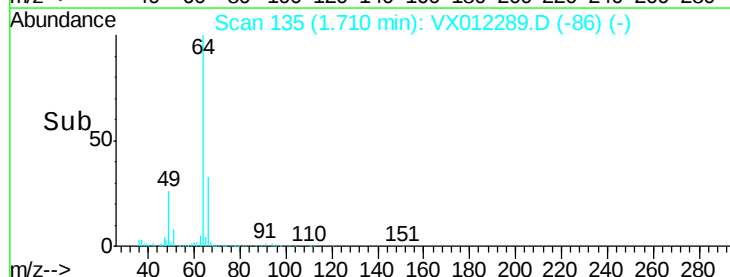
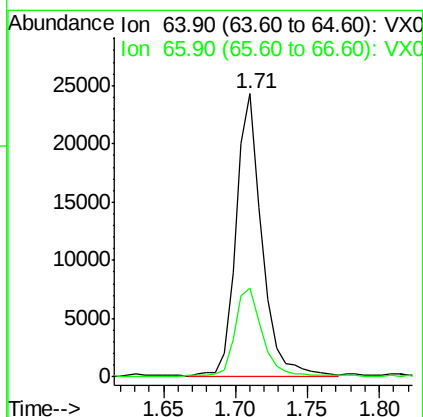
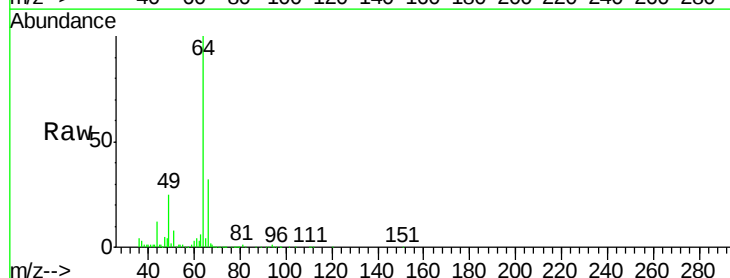
Acq: 11 Sep 2019 07:48

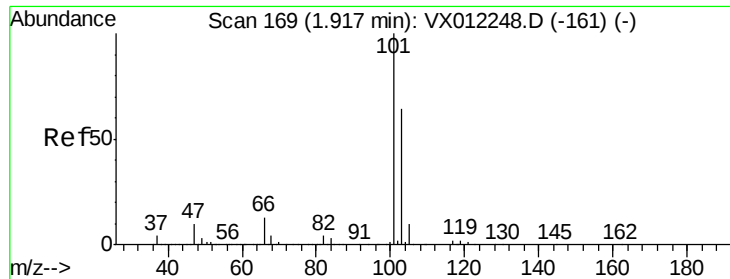
Tgt Ion: 64 Resp: 30237

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.6





#7

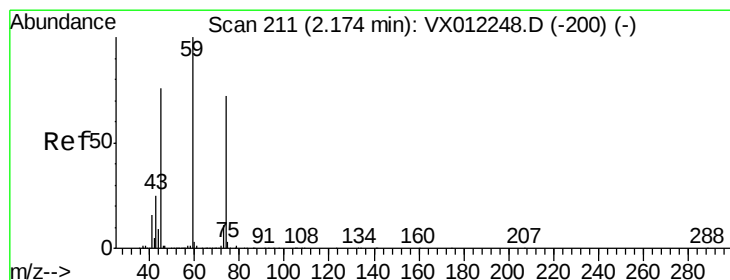
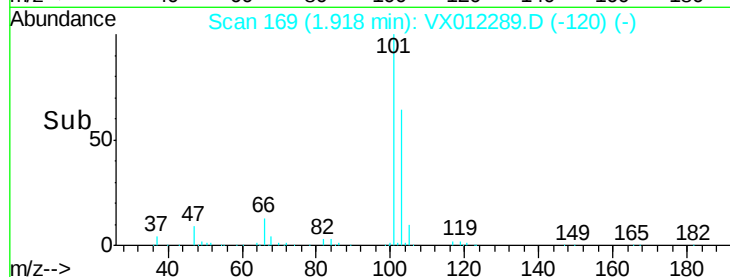
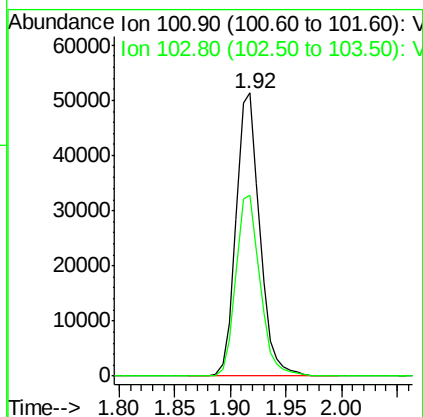
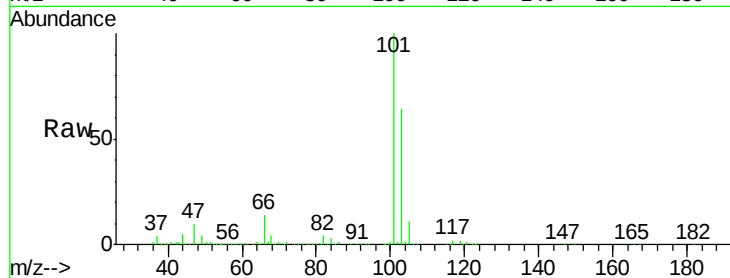
Trichlorofluoromethane
Concen: 46.613 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.4	77.2

Manual Integrations
APPROVED

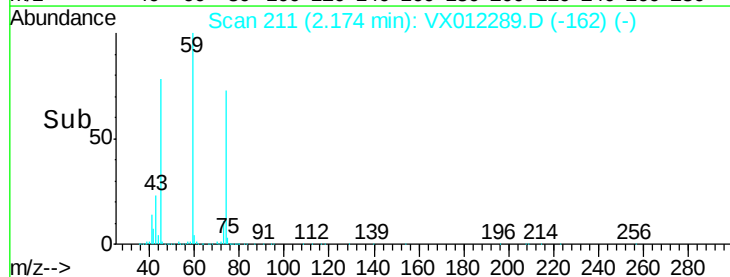
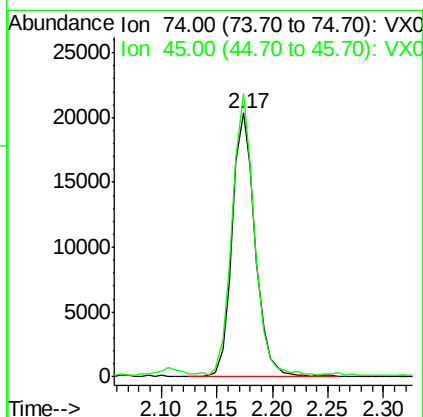
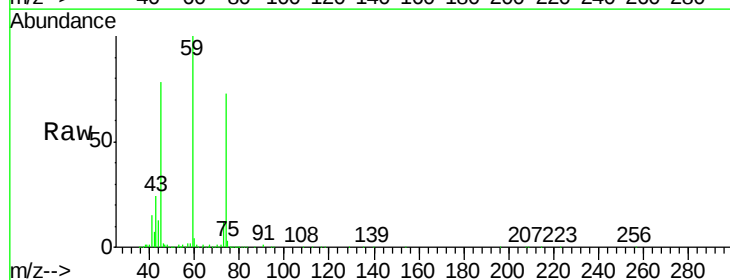
MMDadoda
9/12/2019 8:59:28 AM

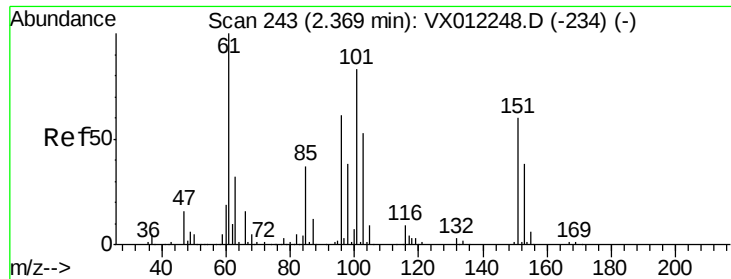


#8

Diethyl Ether
Concen: 52.421 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.251 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

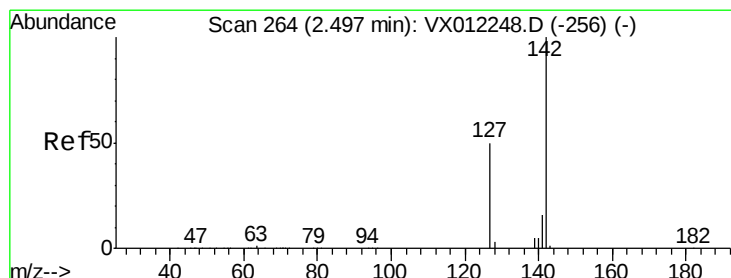
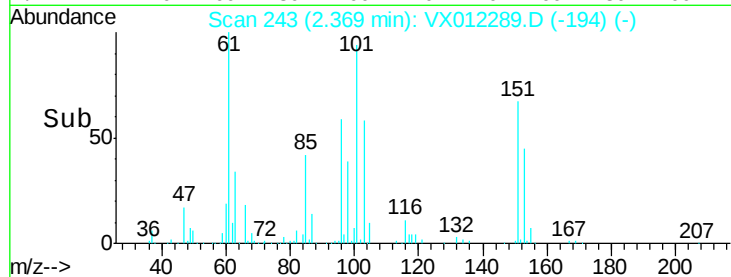
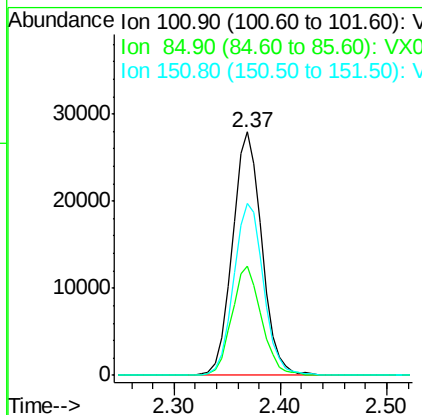
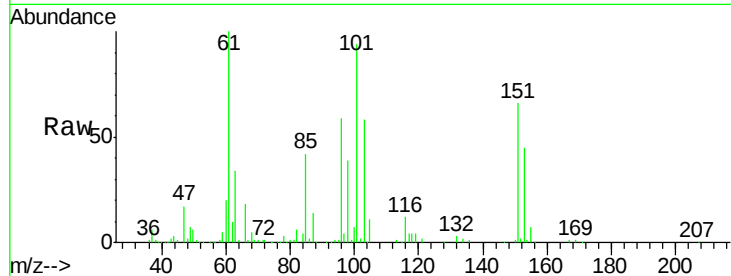
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	53965
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	72.2	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#10

Methyl Iodide

Concen: 32.980 ug/l

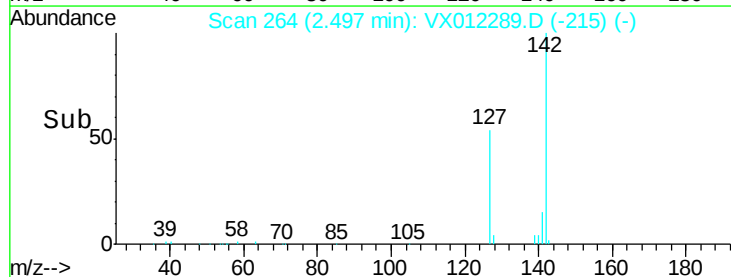
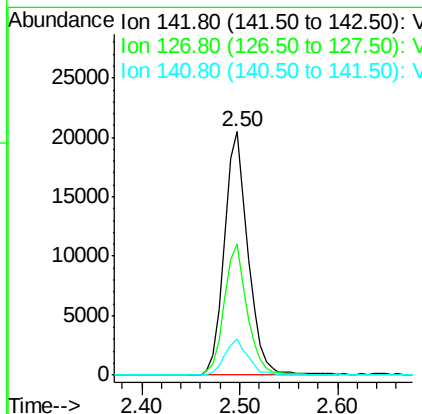
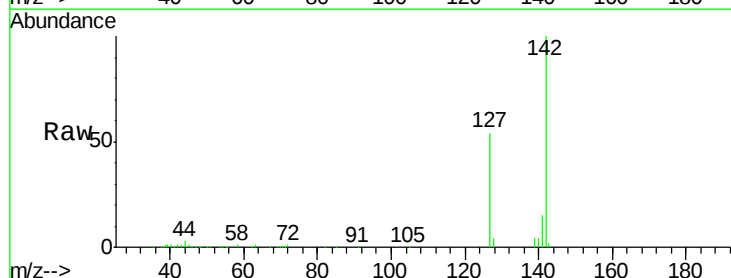
RT: 2.50 min Scan# 264

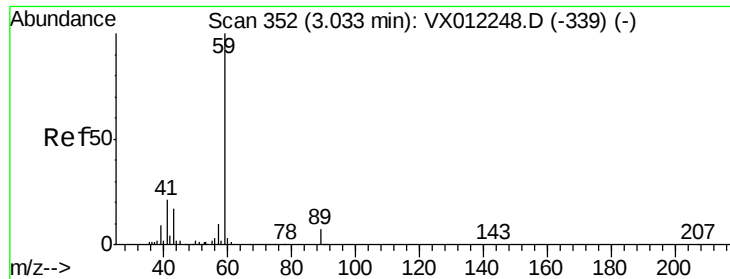
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	142	Resp:	34393
Ion Ratio	Lower	Upper	
142	100		
127	52.5	40.6	61.0
141	14.7	12.0	18.0





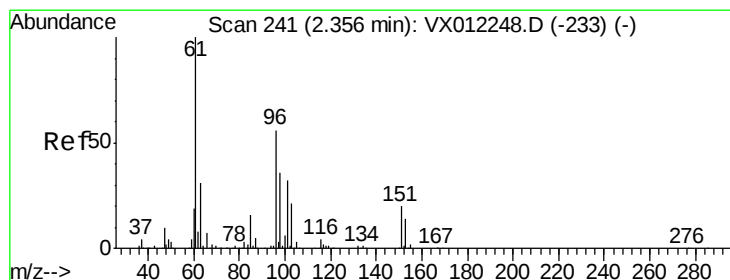
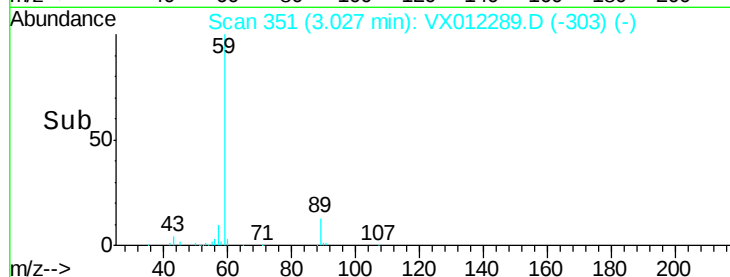
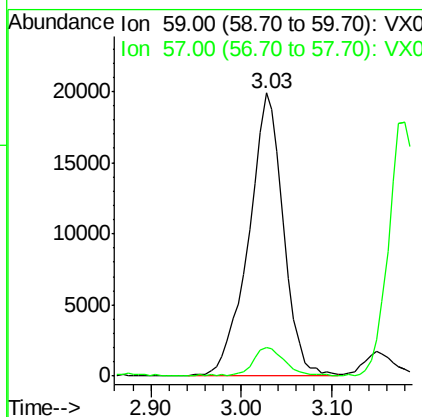
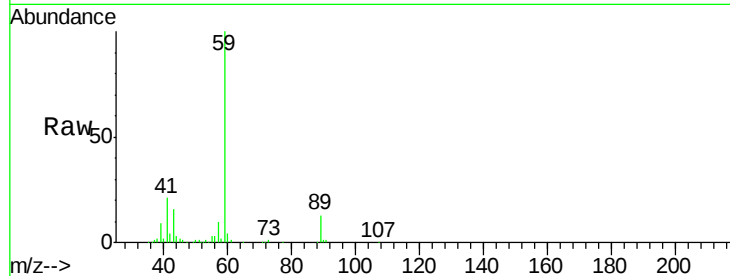
#11
Tert butyl alcohol
Concen: 286.410 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

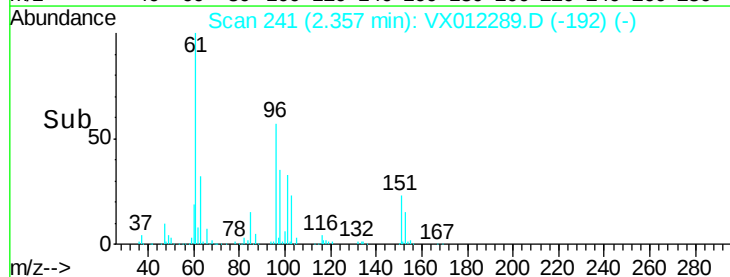
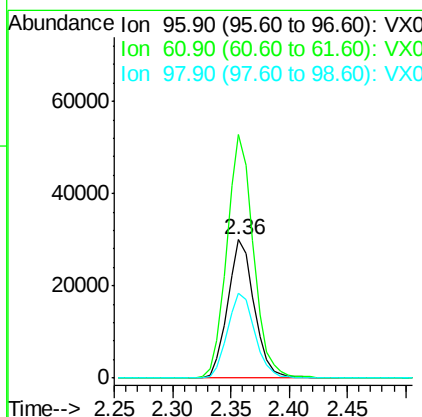
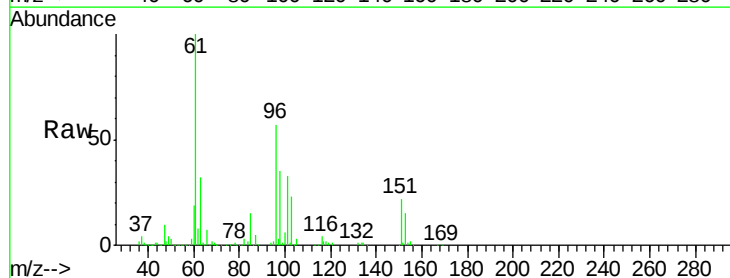
Manual Integrations
APPROVED

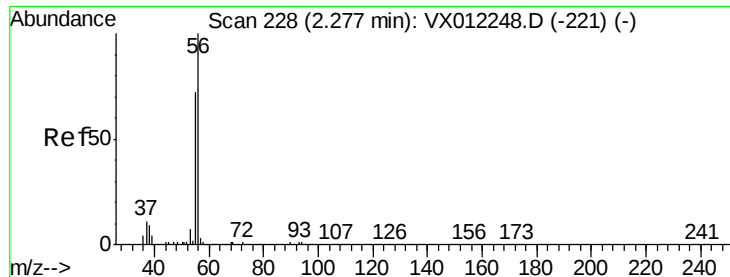
MMDadoda
9/12/2019 8:59:28 AM



#12
1,1-Dichloroethene
Concen: 51.234 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	142.2	213.2
98	61.7	51.3	76.9





#13

Acrolein

Concen: 139.662 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 12689

Ion Ratio Lower Upper

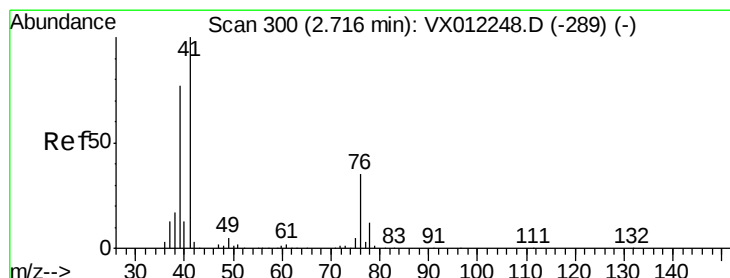
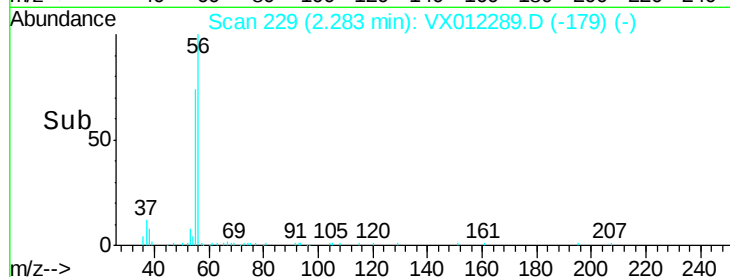
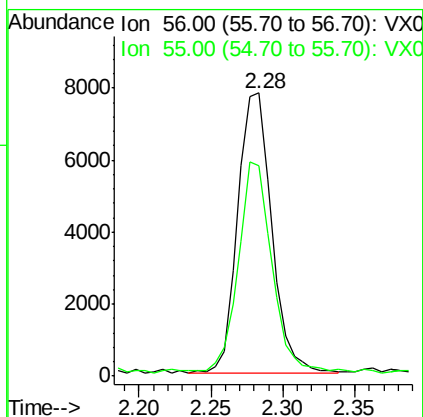
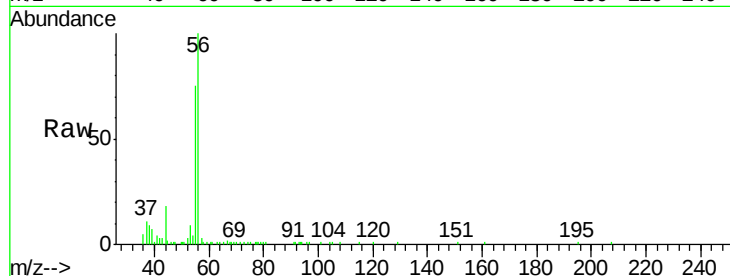
56 100

55 74.0 59.8 89.6

Manual Integrations
APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#14

Allyl chloride

Concen: 49.209 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

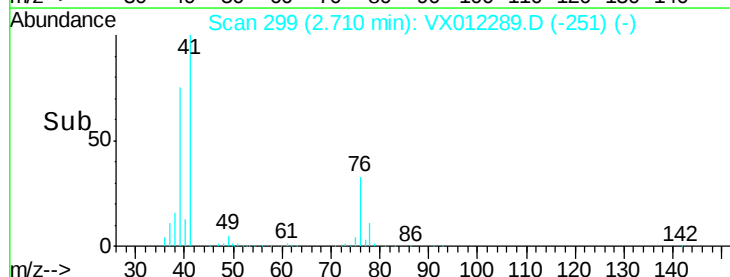
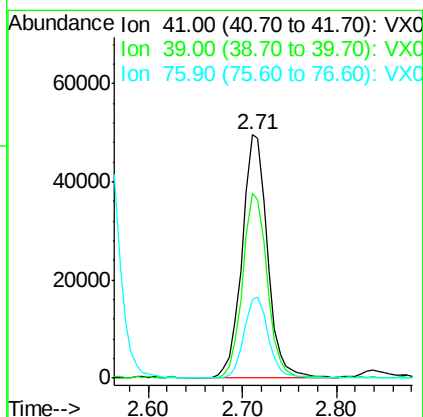
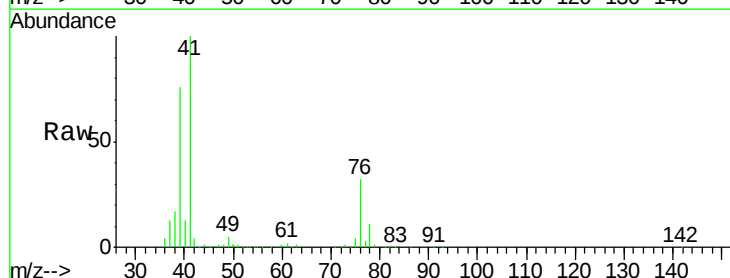
Tgt Ion: 41 Resp: 93327

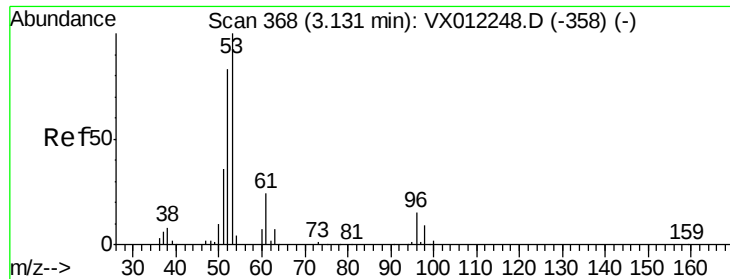
Ion Ratio Lower Upper

41 100

39 73.4 58.6 87.8

76 32.2 26.3 39.5





#15

Acrylonitrile

Concen: 282.158 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

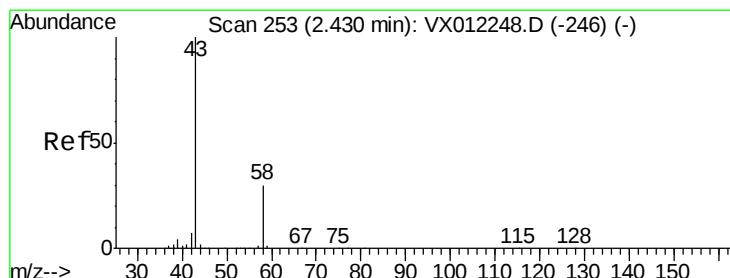
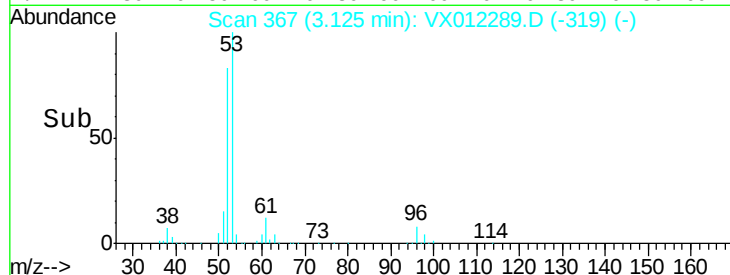
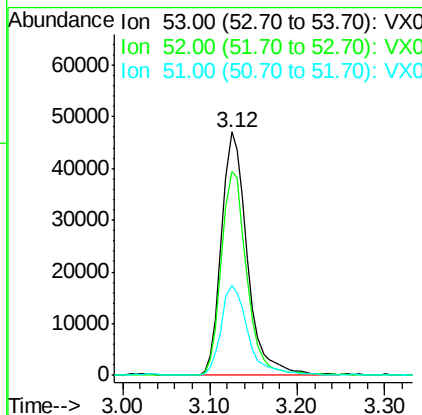
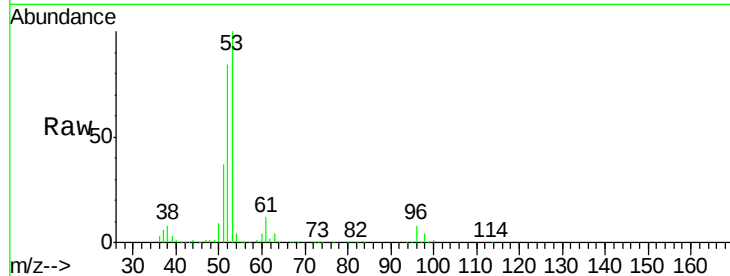
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	96759
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	38.4	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#16

Acetone

Concen: 208.374 ug/l

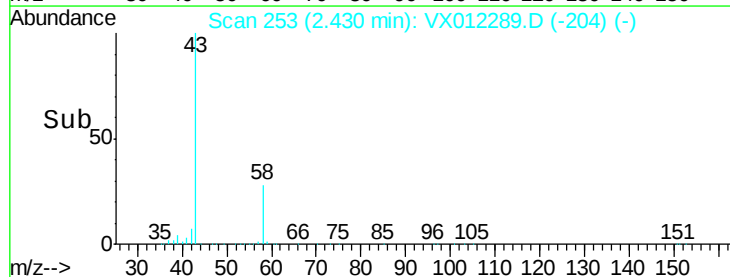
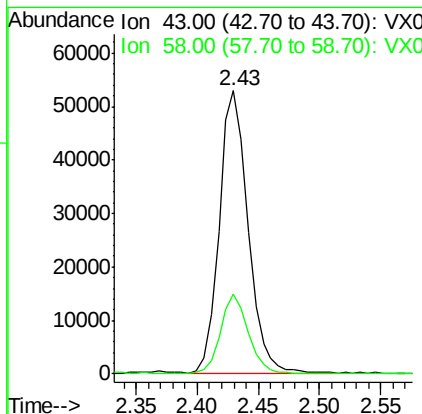
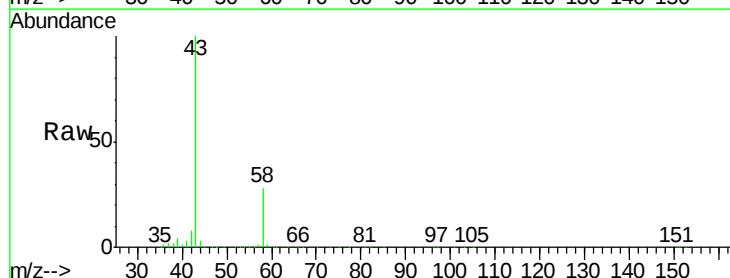
RT: 2.43 min Scan# 253

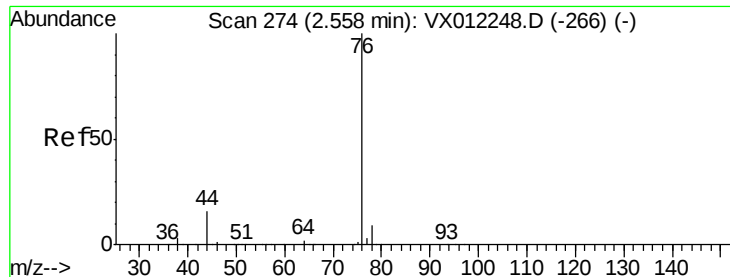
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	43	Resp:	85734
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.6	35.4





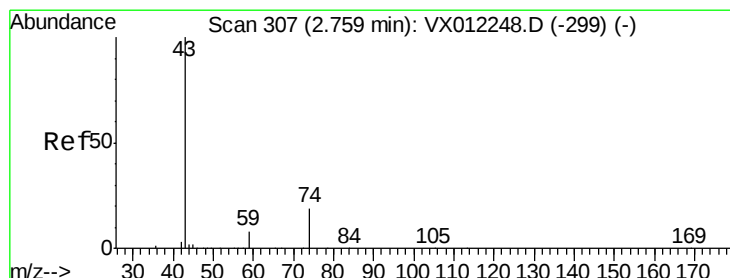
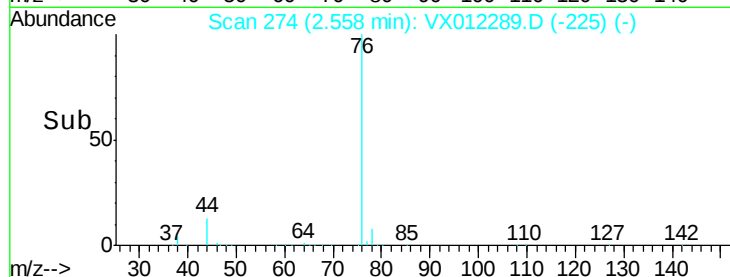
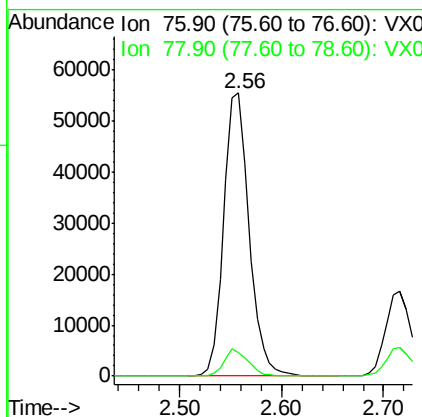
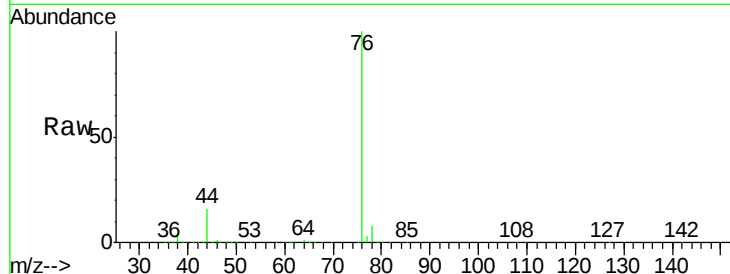
#17
Carbon Disulfide
Concen: 49.176 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

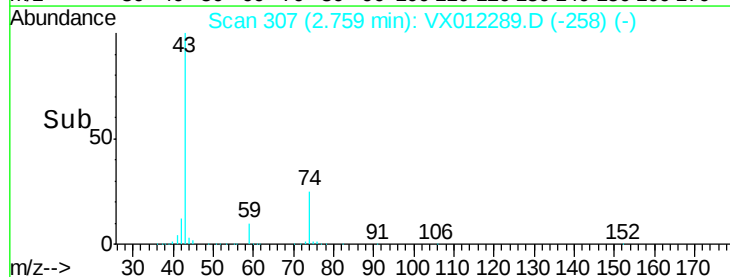
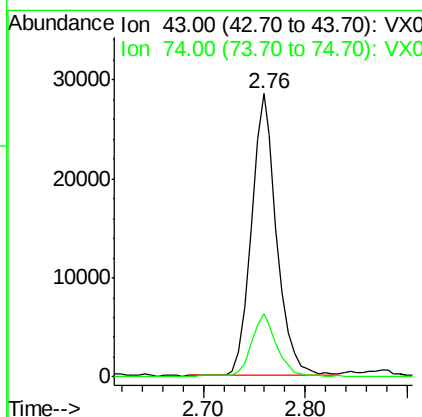
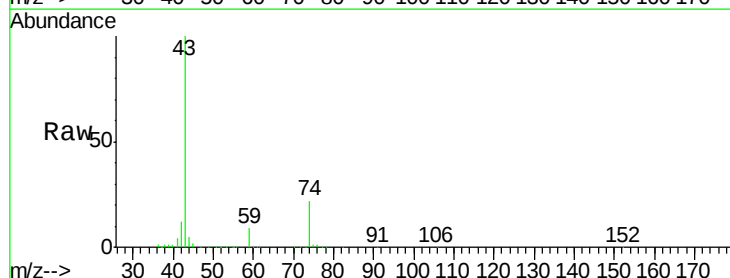
Manual Integrations
APPROVED

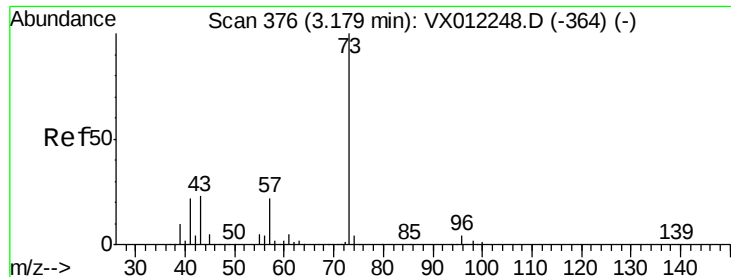
MMDadoda
9/12/2019 8:59:28 AM



#18
Methyl Acetate
Concen: 56.837 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.3	27.5





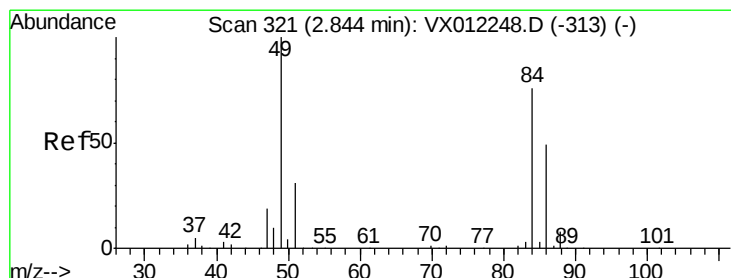
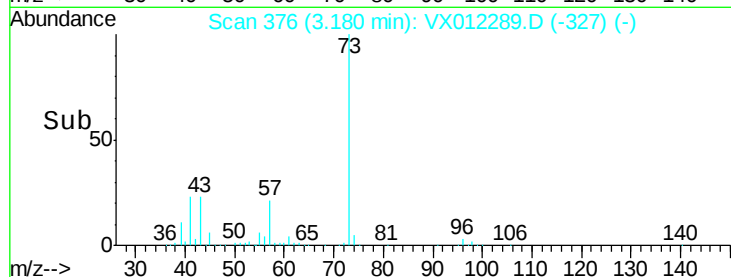
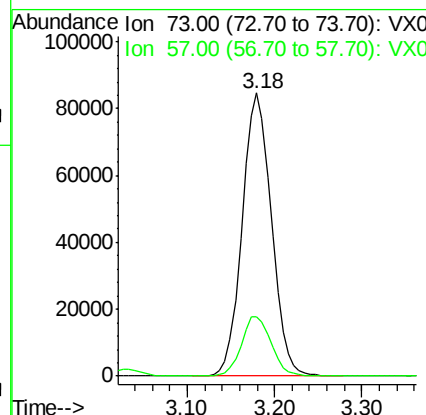
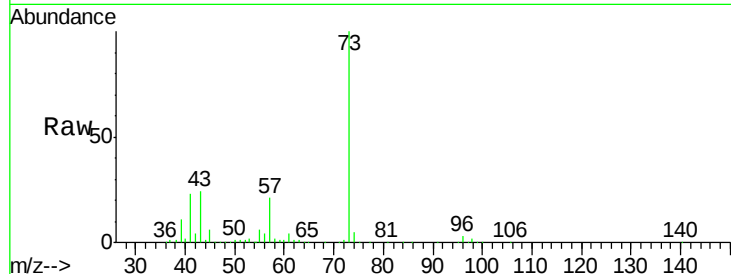
#19
Methvl tert-butvl Ether
Concen: 53.628 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	197006
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	17.7	26.5

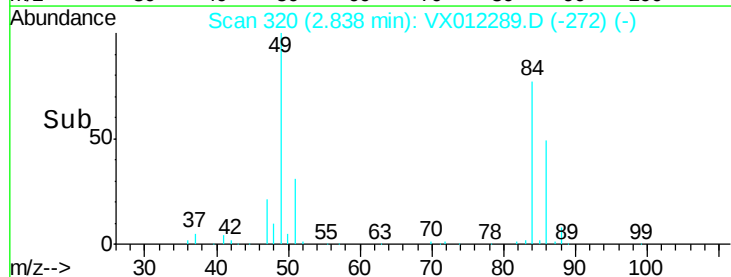
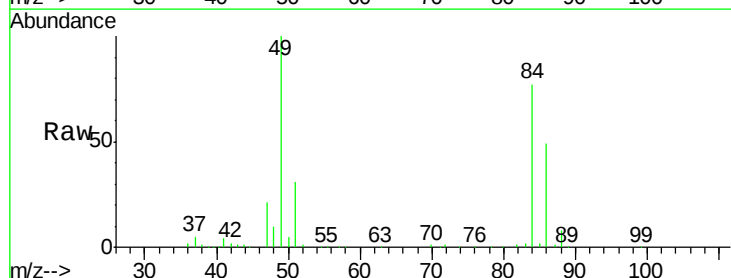
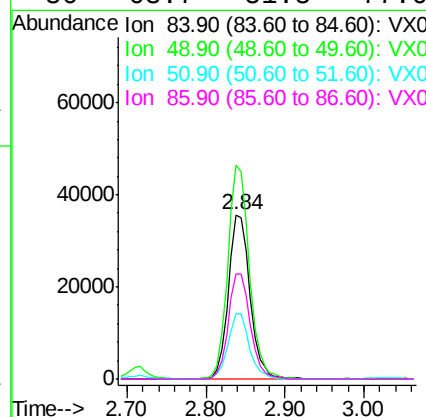
Manual Integrations
APPROVED

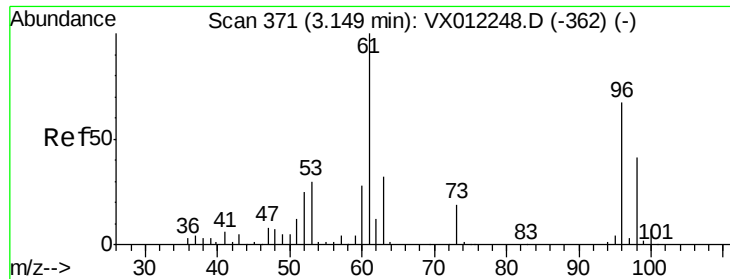
MMDadoda
9/12/2019 8:59:28 AM



#20
Methylene Chloride
Concen: 53.132 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	84	Resp	67991
Ion Ratio	100	Lower	Upper
84	100		
49	130.2	105.0	157.6
51	39.8	32.6	48.8
86	63.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 51.413 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

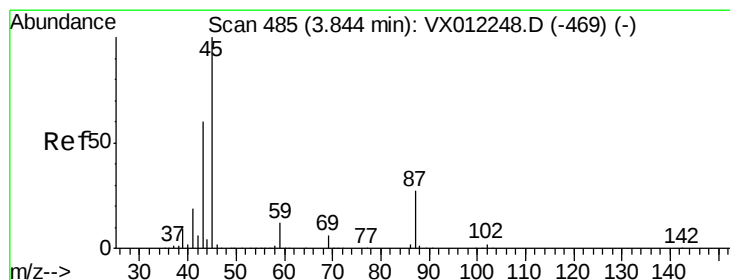
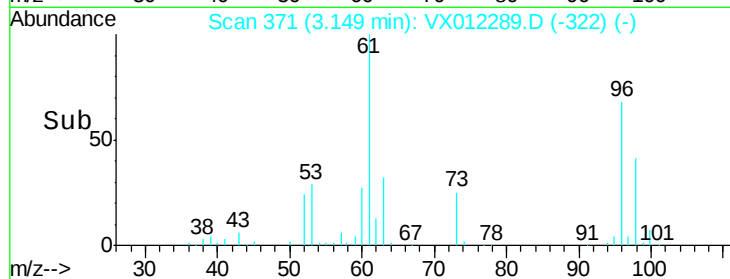
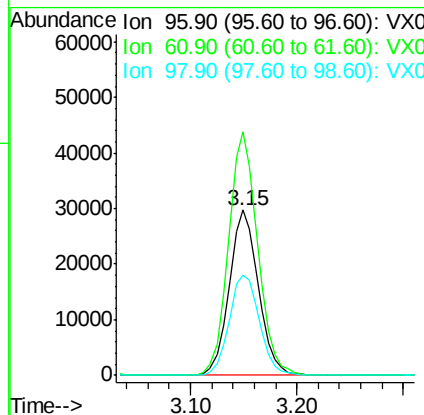
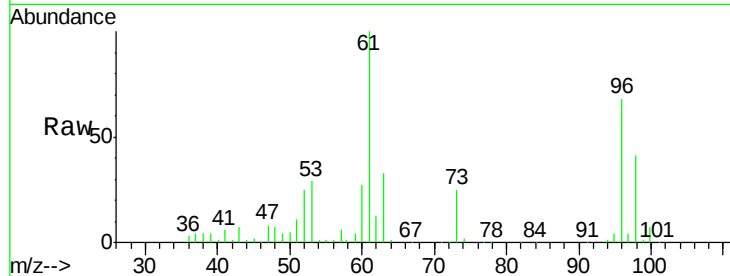
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	57060
Ion	Ratio	Lower	Upper
96	100		
61	147.4	119.4	179.2
98	61.1	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#22

Diisopropyl ether

Concen: 52.759 ug/l

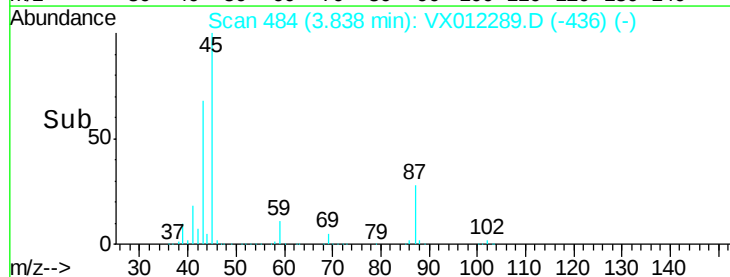
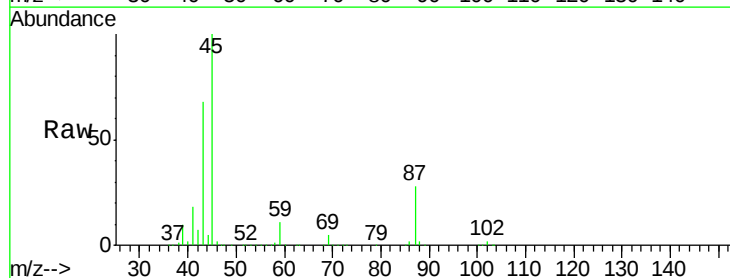
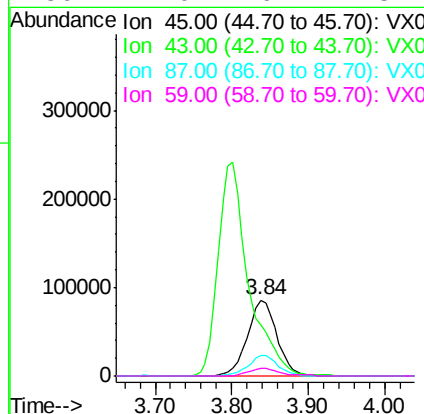
RT: 3.84 min Scan# 484

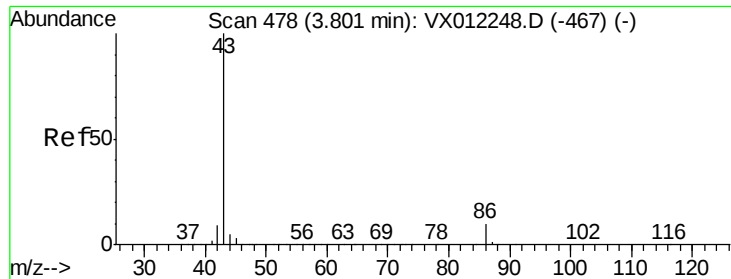
Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	45	Resp:	228832
Ion	Ratio	Lower	Upper
45	100		
43	67.9	48.3	72.5
87	27.5	21.8	32.8
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 250.530 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 666691

Ion Ratio Lower Upper

43 100

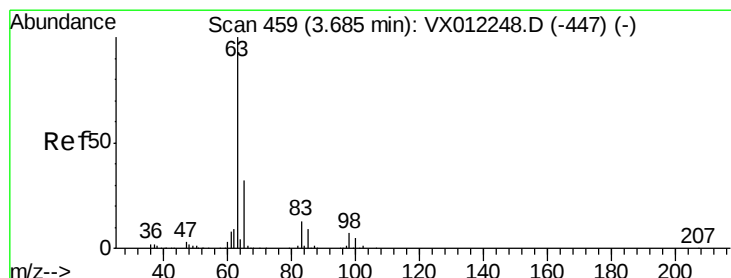
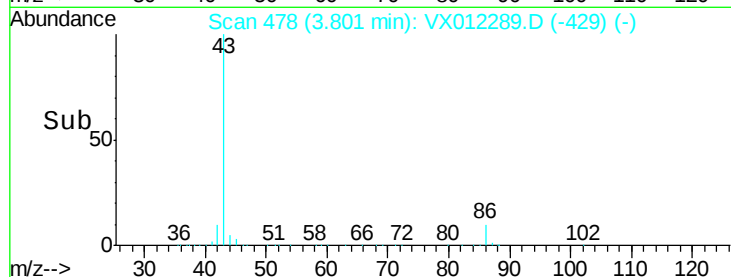
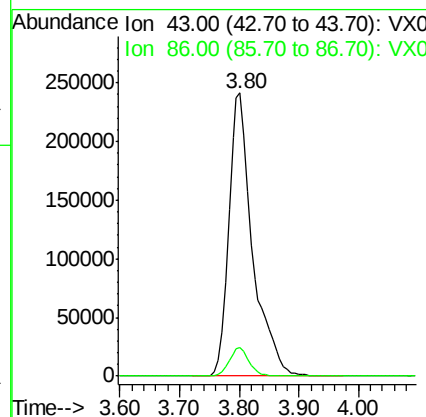
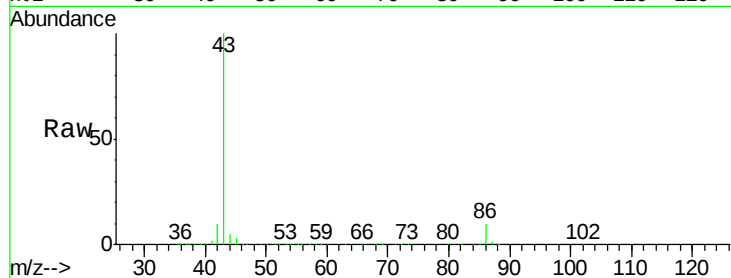
86 10.2 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#24

1,1-Dichloroethane

Concen: 52.442 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

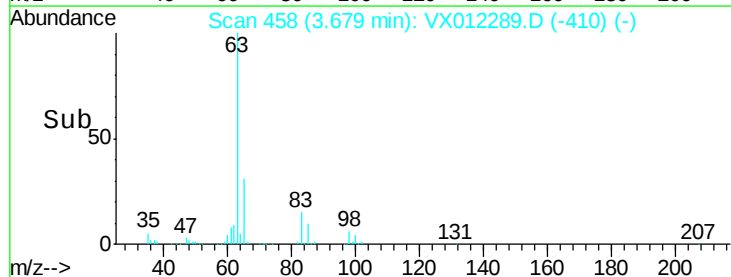
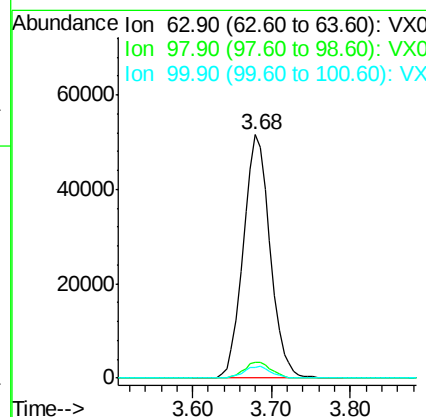
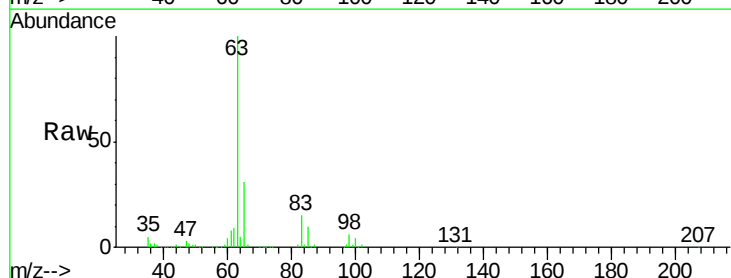
Tgt Ion: 63 Resp: 121837

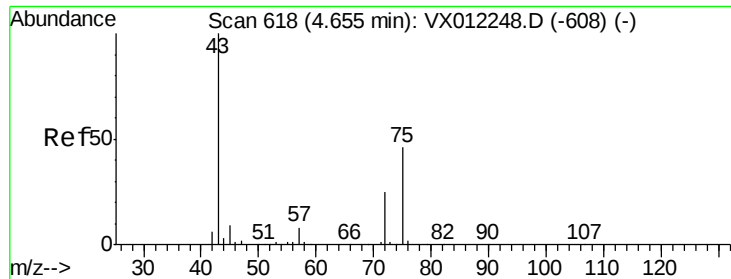
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 255.769 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 134527

Ion Ratio Lower Upper

43 100

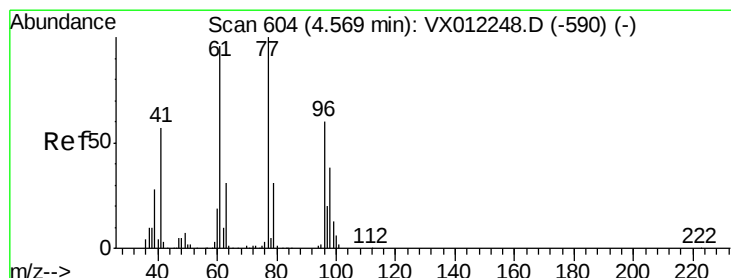
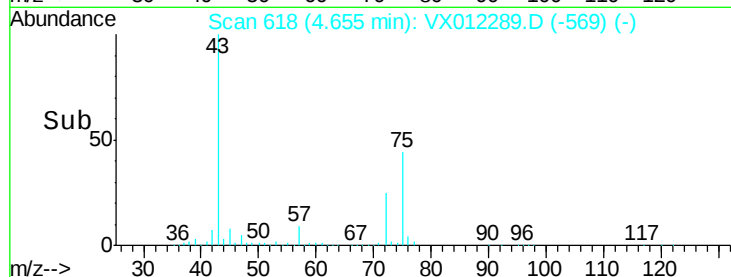
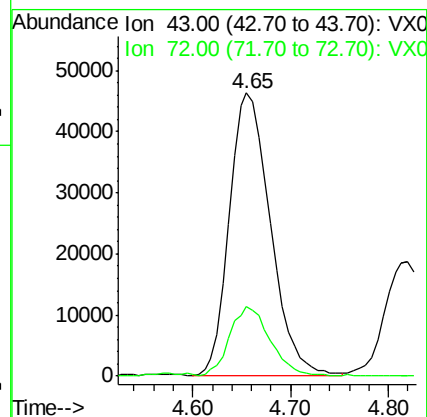
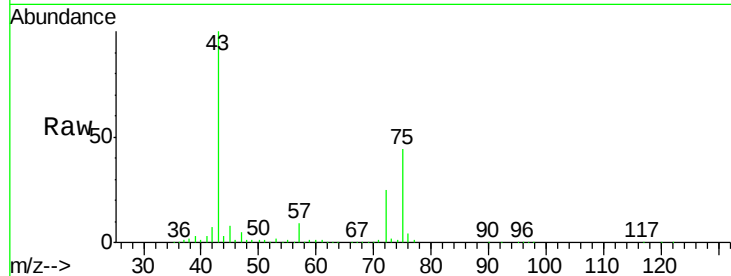
72 24.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#26

2,2-Dichloropropane

Concen: 37.731 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012289.D

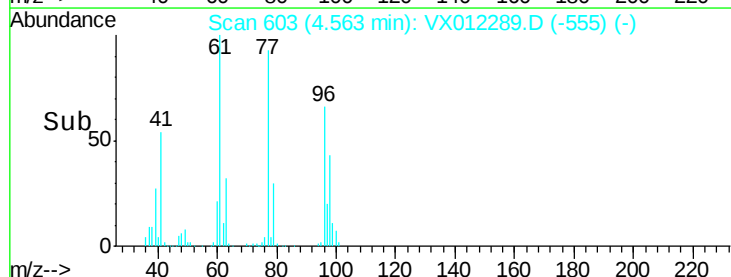
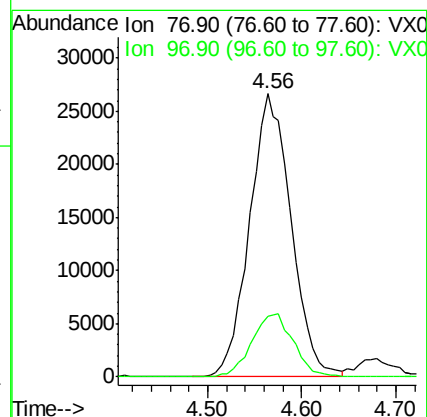
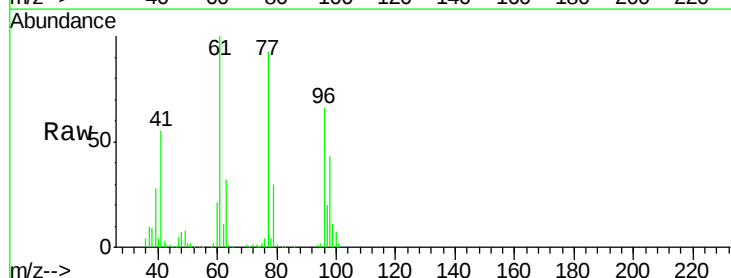
Acq: 11 Sep 2019 07:48

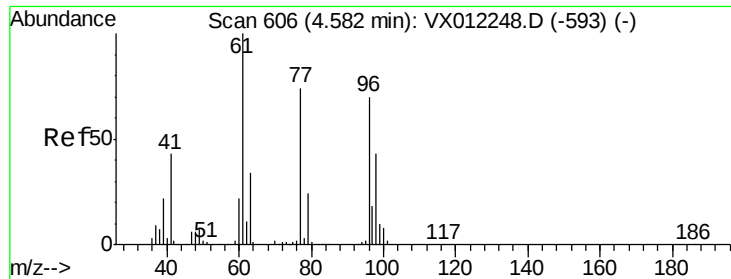
Tgt Ion: 77 Resp: 82299

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

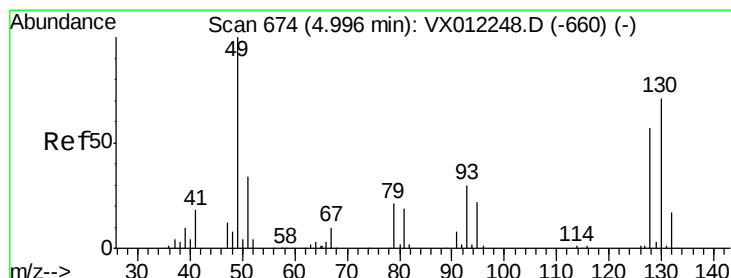
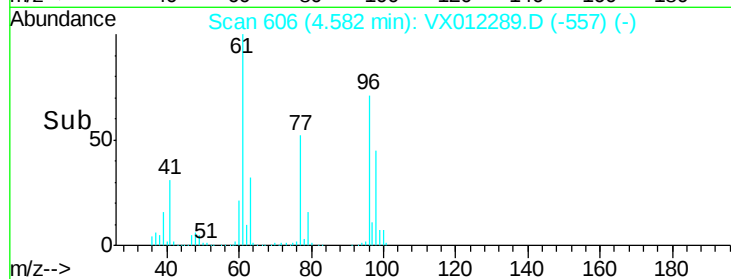
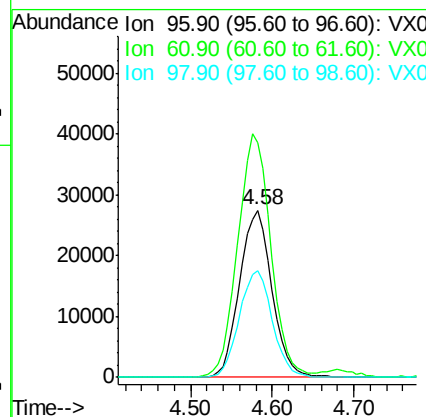
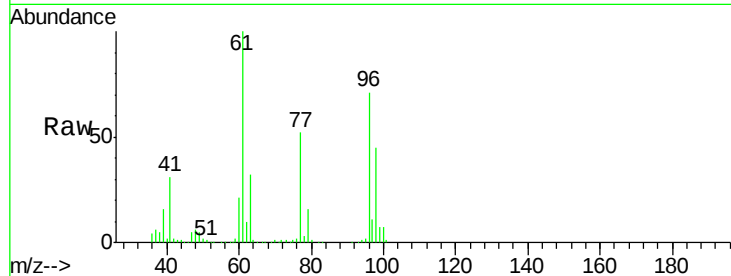
cis-1,2-Dichloroethene
Concen: 52.765 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	310.4
98	65.3	0.0	128.8

Manual Integrations
APPROVED

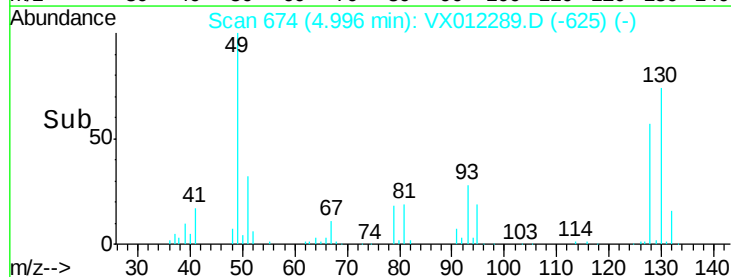
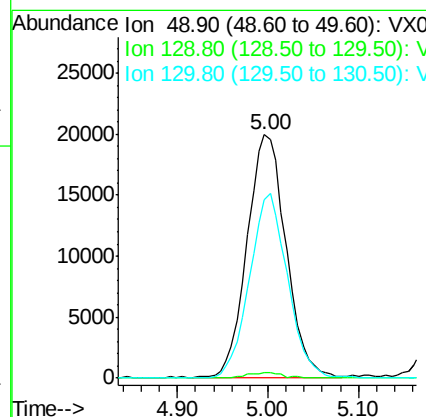
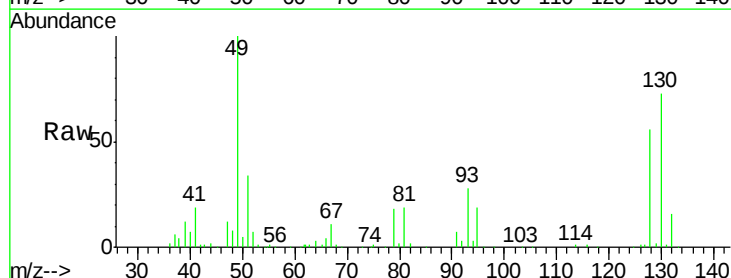
MMDadoda
9/12/2019 8:59:28 AM

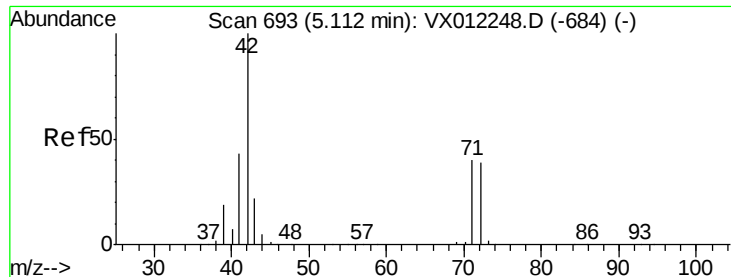


#28

Bromochloromethane
Concen: 54.068 ug/l
RT: 5.00 min Scan# 674
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.2
130	75.0	60.1	90.1





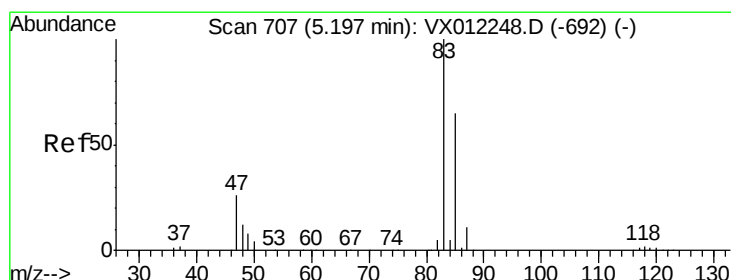
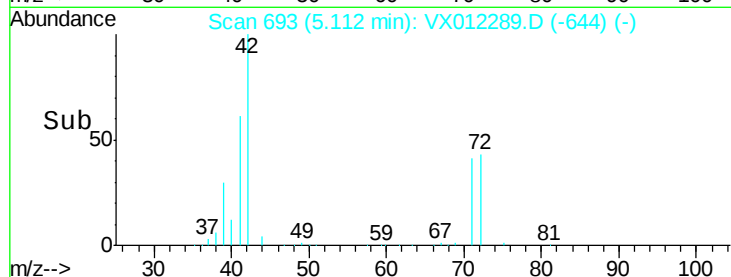
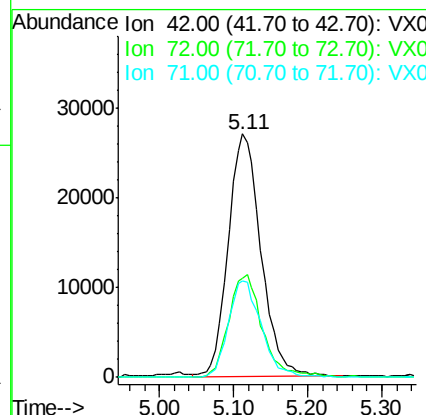
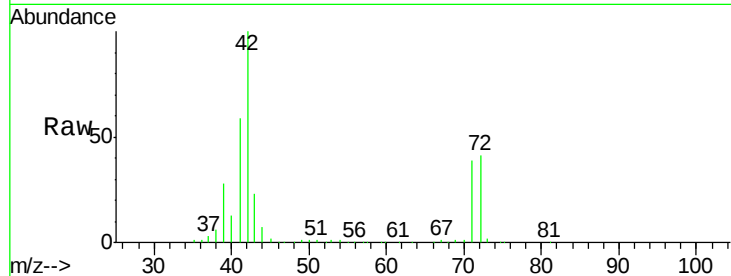
#29
Tetrahydrofuran
Concen: 292.585 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.2	52.8
71	40.1	32.5	48.7

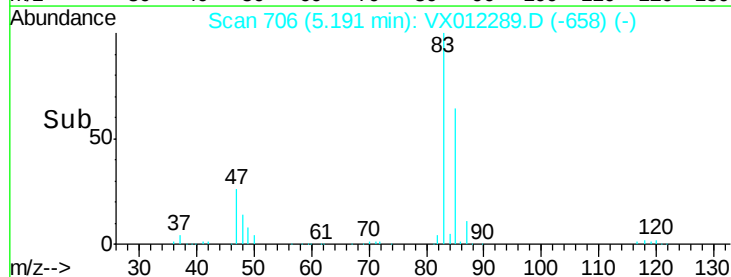
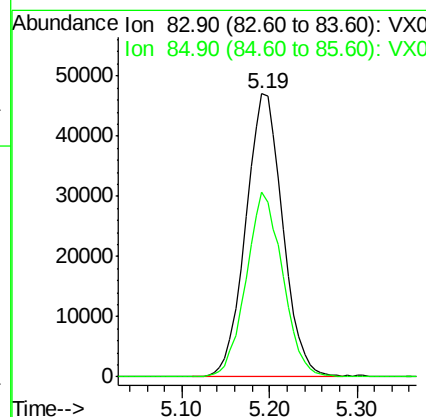
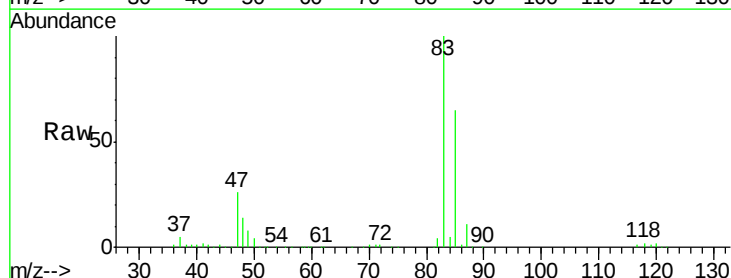
Manual Integrations
APPROVED

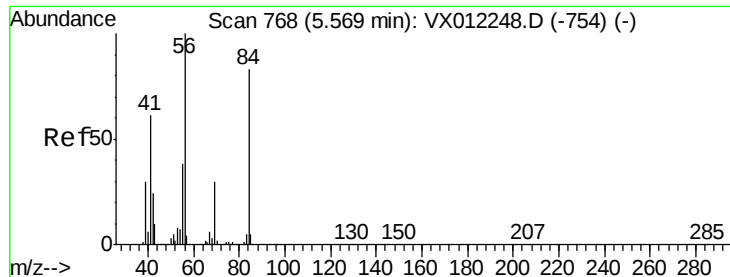
MMDadoda
9/12/2019 8:59:28 AM



#30
Chloroform
Concen: 52.848 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





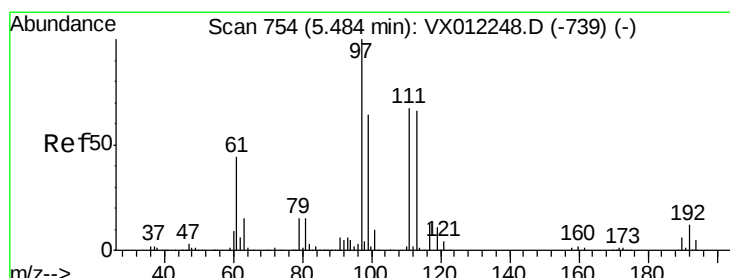
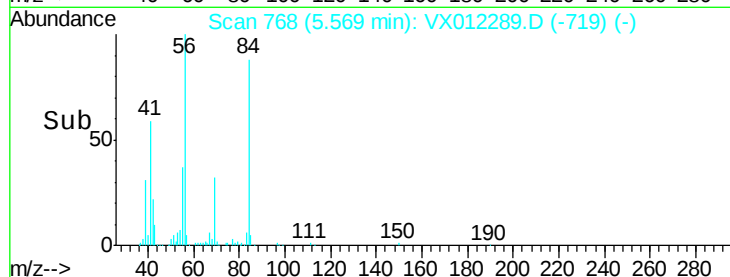
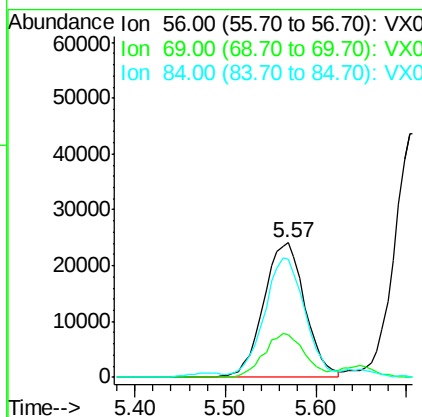
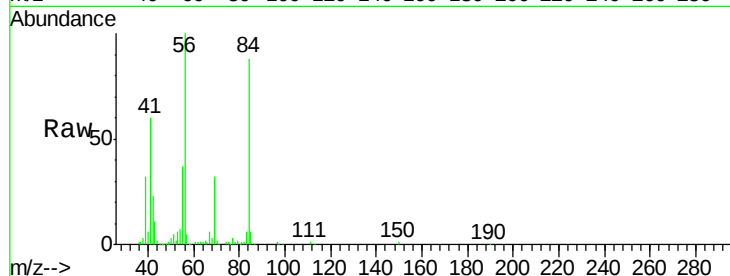
#31
Cyclohexane
Concen: 46.947 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	86.2	66.6	100.0

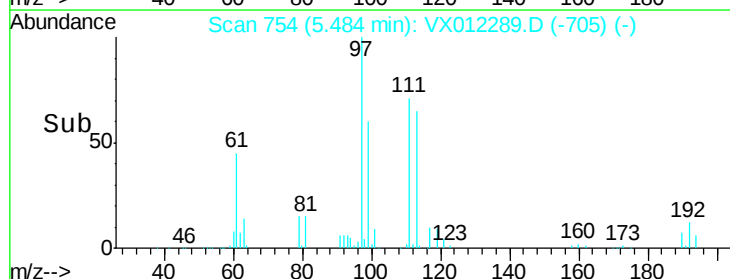
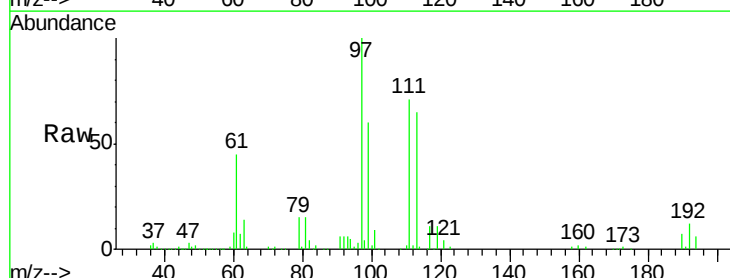
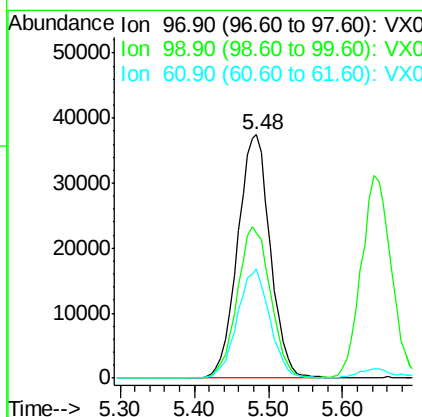
Manual Integrations
APPROVED

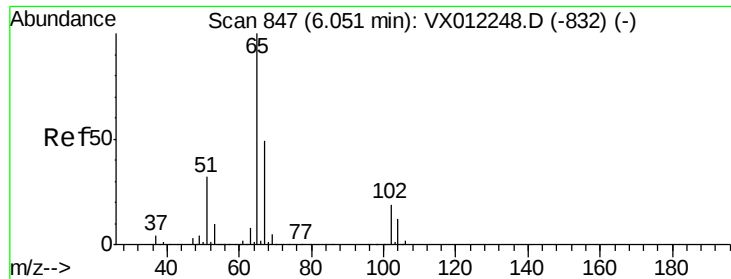
MMDadoda
9/12/2019 8:59:28 AM



#32
1,1,1-Trichloroethane
Concen: 51.208 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	44.8	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 52.455 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 91169

Ion Ratio Lower Upper

65 100

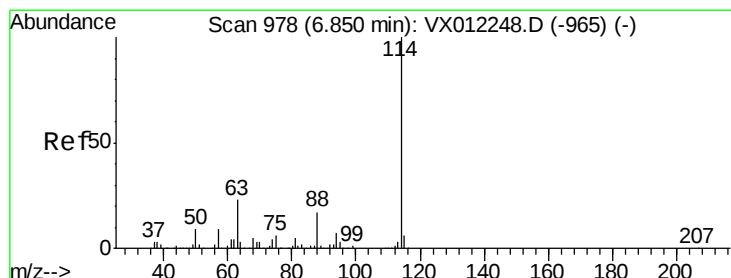
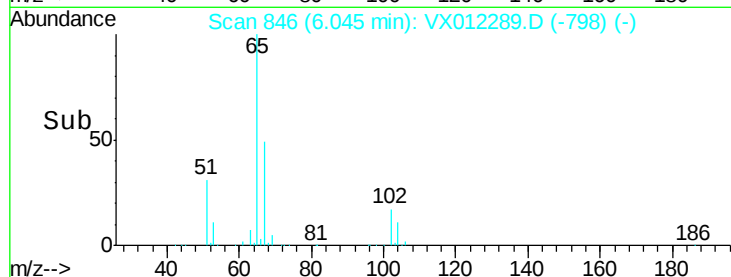
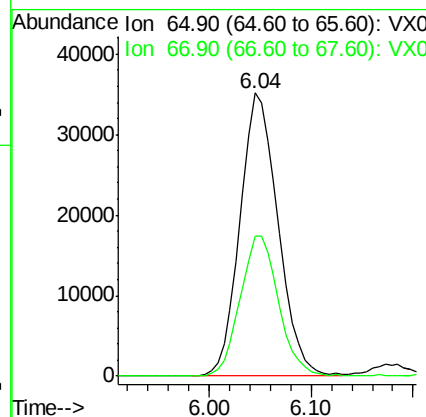
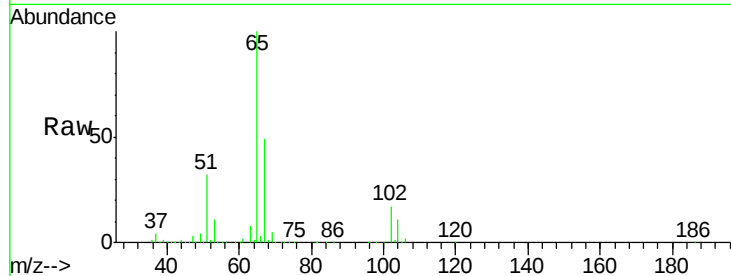
67 49.9 0.0 99.8

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

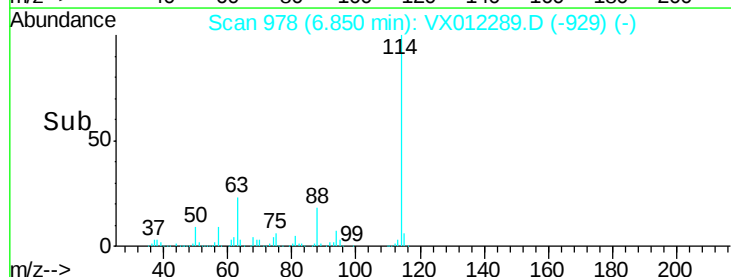
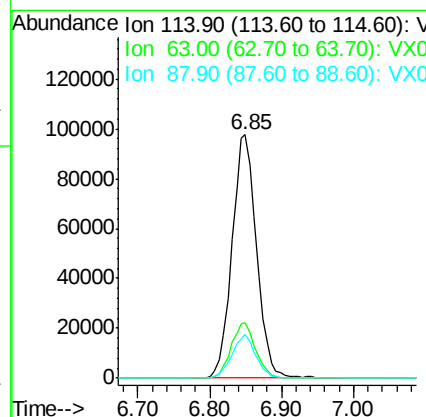
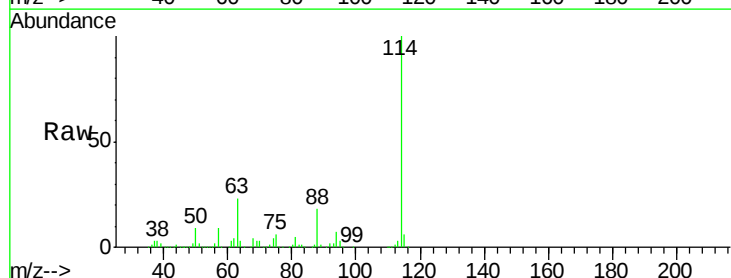
Tgt Ion: 114 Resp: 231186

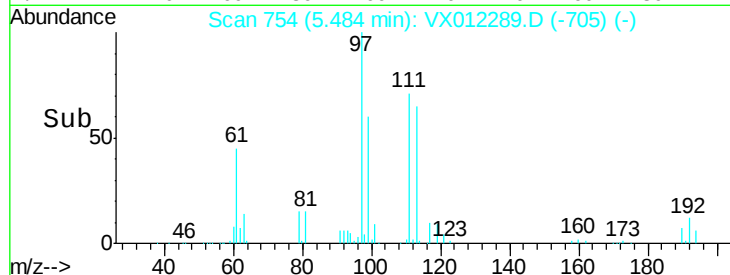
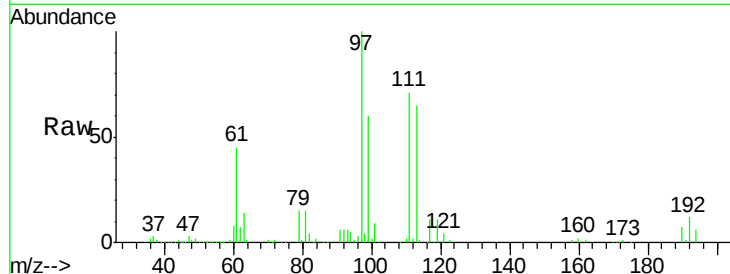
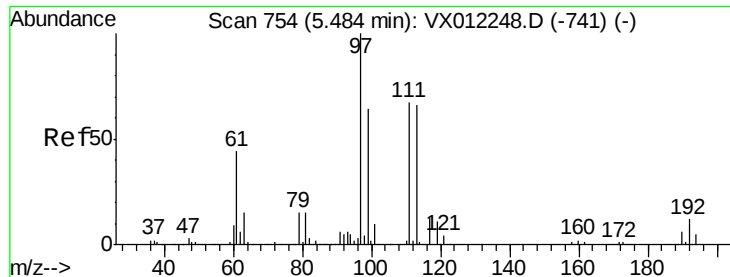
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 18.2 0.0 34.8





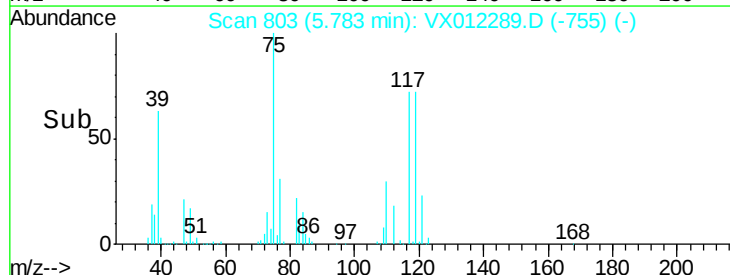
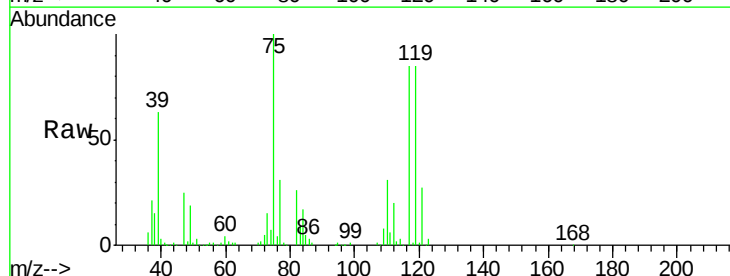
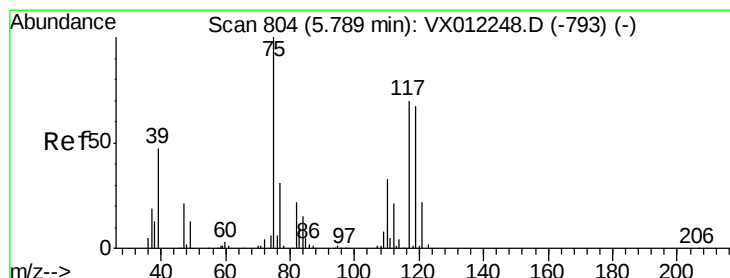
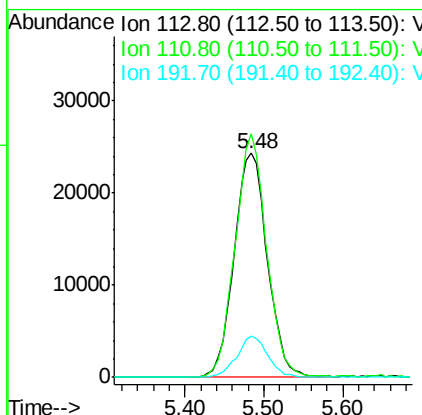
#35
Dibromofluoromethane
Concen: 48.100 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tot Ion	Ratio	Resp	Lower	Upper
113	100	71284		
111	102.9	83.0	124.6	
192	17.0	14.3	21.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

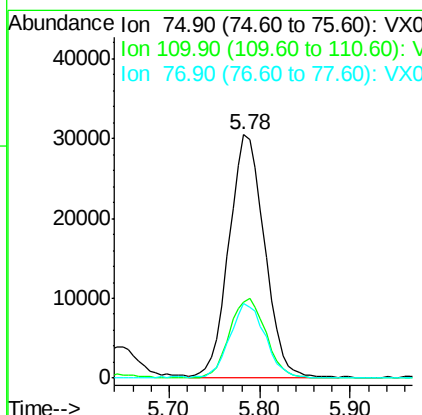
Manual Integrations
APPROVED

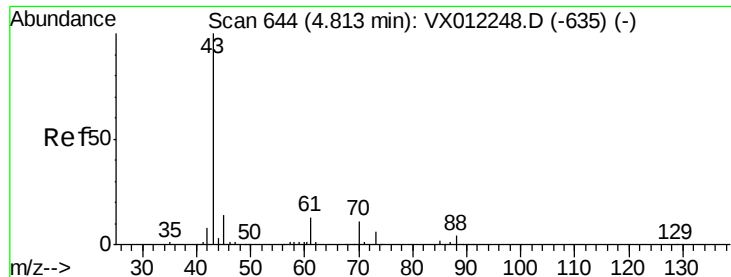
MMDadoda
9/12/2019 8:59:28 AM



#36
1,1-Dichloropropene
Concen: 48.847 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82343		
110	33.8	16.8	50.4	
77	30.4	24.5	36.7	





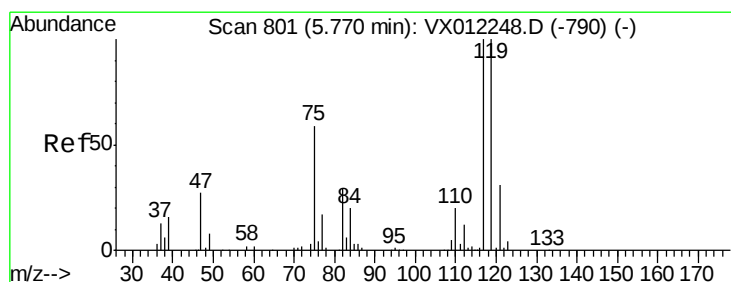
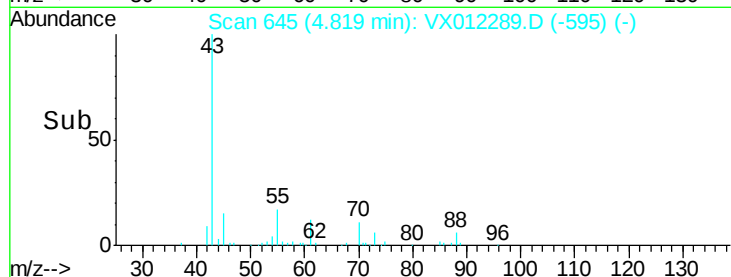
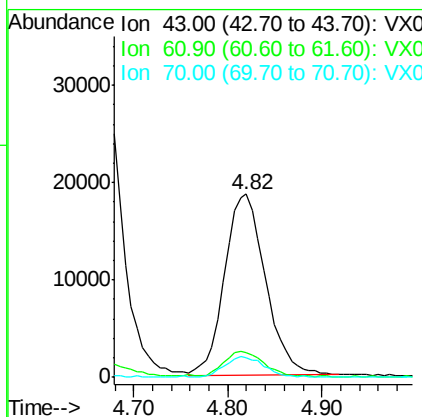
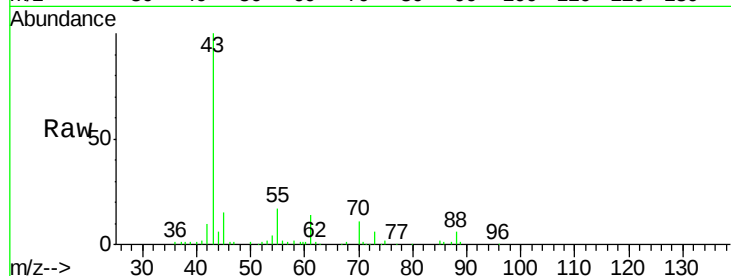
#37
Ethyl Acetate
Concen: 54.143 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	56420
Ion Ratio	100	Lower	Upper
43	100		
61	14.6	10.3	15.5
70	11.4	9.1	13.7

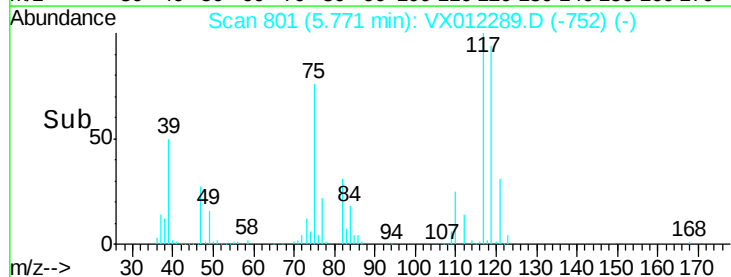
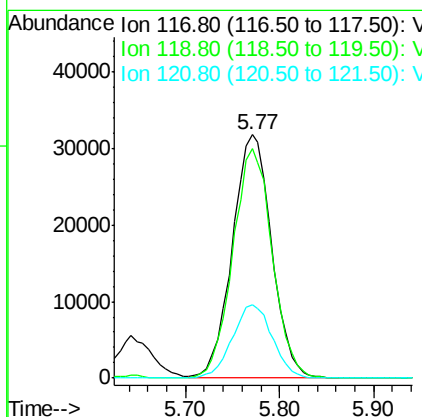
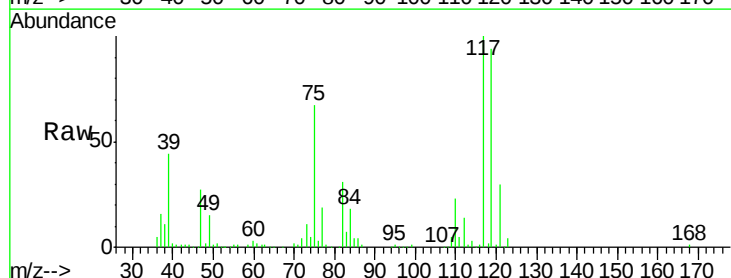
Manual Integrations
APPROVED

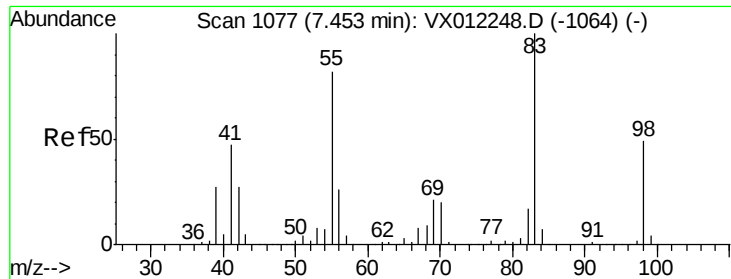
MMDadoda
9/12/2019 8:59:28 AM



#38
Carbon Tetrachloride
Concen: 46.623 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	117	Resp	92212
Ion Ratio	100	Lower	Upper
117	100		
119	94.2	79.6	119.4
121	30.2	24.7	37.1





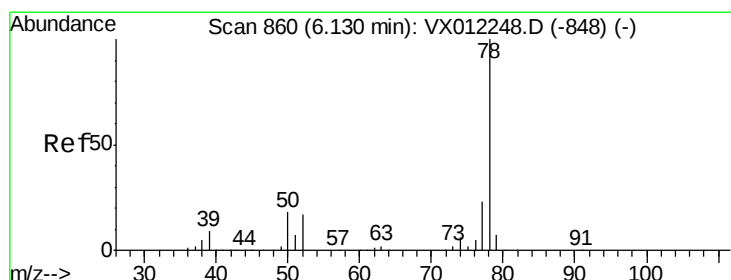
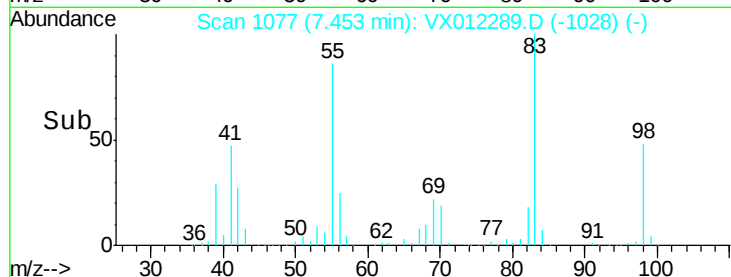
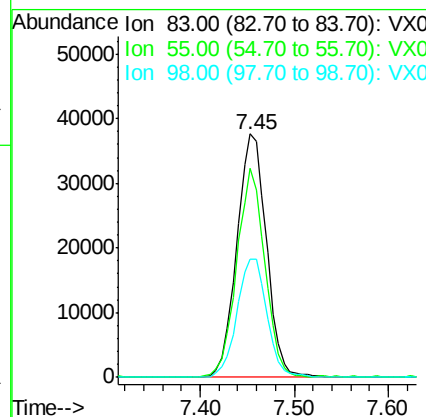
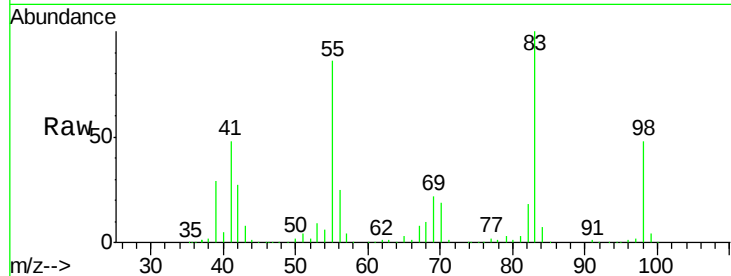
#39
Methylvlcyclohexane
Concen: 44.567 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	82448
Ion Ratio	100	Lower	Upper
83	100		
55	85.5	65.4	98.2
98	48.4	39.6	59.4

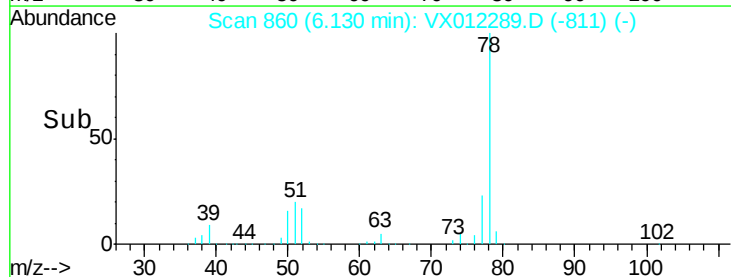
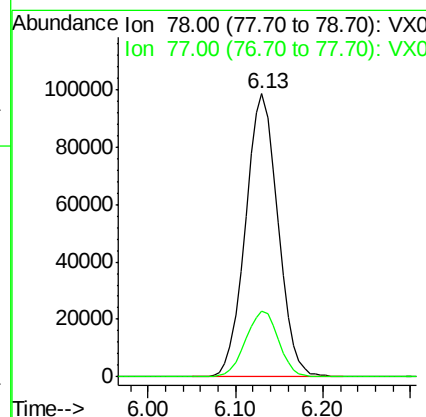
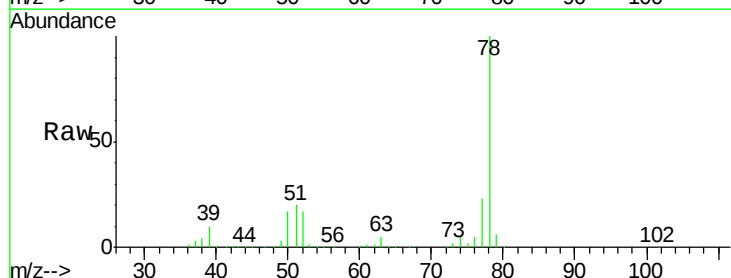
Manual Integrations
APPROVED

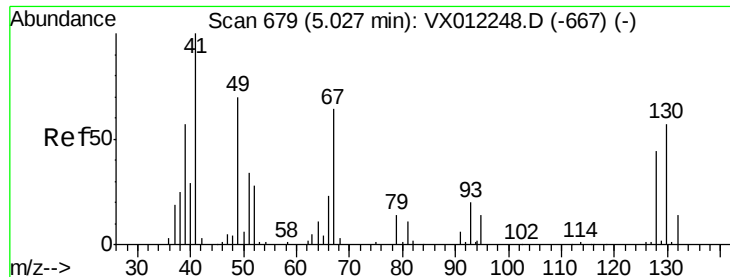
MMDadoda
9/12/2019 8:59:28 AM



#40
Benzene
Concen: 49.778 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	78	Resp	253967
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.0	27.0





#41

Methacrylonitrile

Concen: 55.883 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012289.D

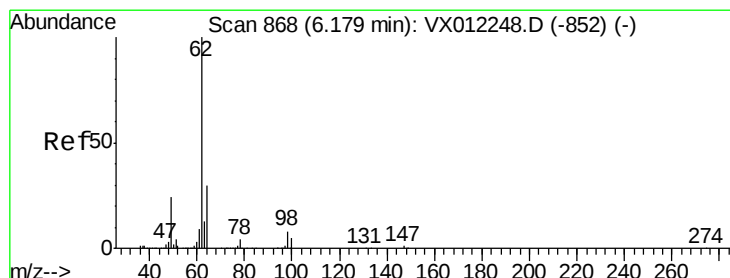
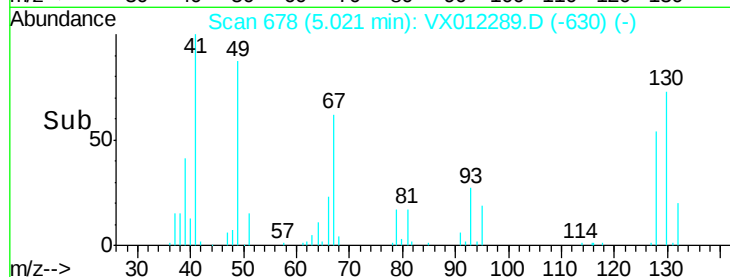
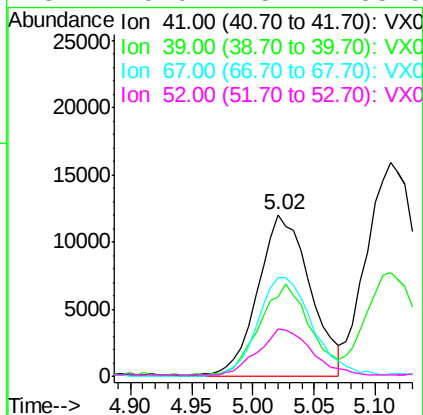
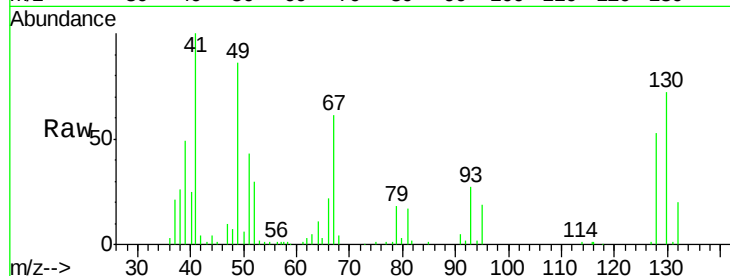
Acq: 11 Sep 2019 07:48

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	49.0	73.4	
67	64.6	55.0	82.4	
52	29.0	25.4	38.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#42

1,2-Dichloroethane

Concen: 50.601 ug/l

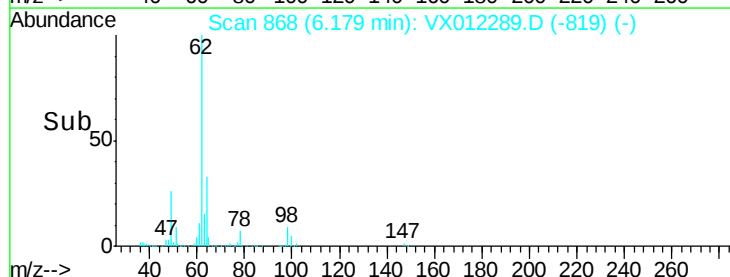
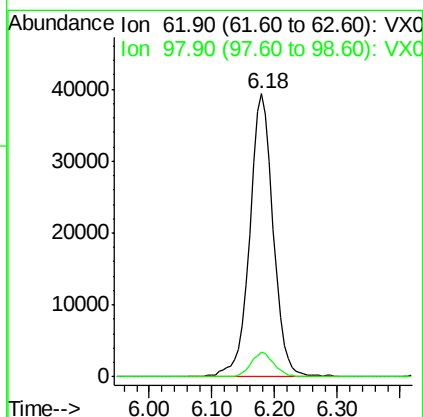
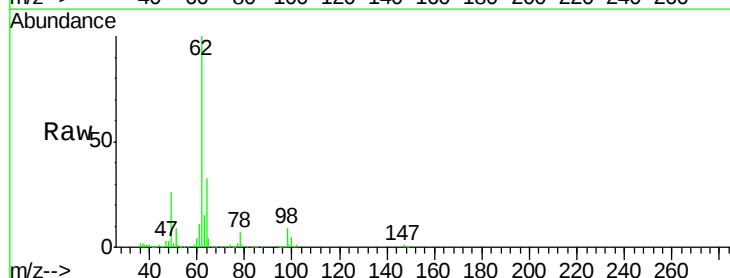
RT: 6.18 min Scan# 868

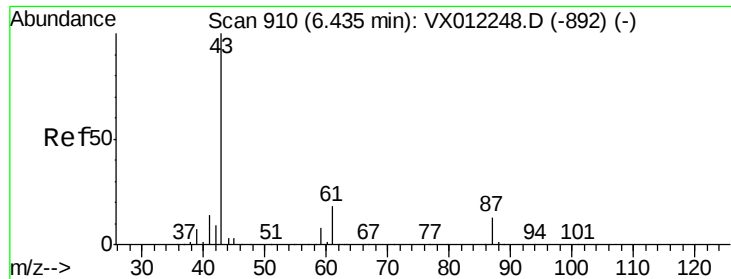
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





#43

Isopropyl Acetate

Concen: 52.450 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

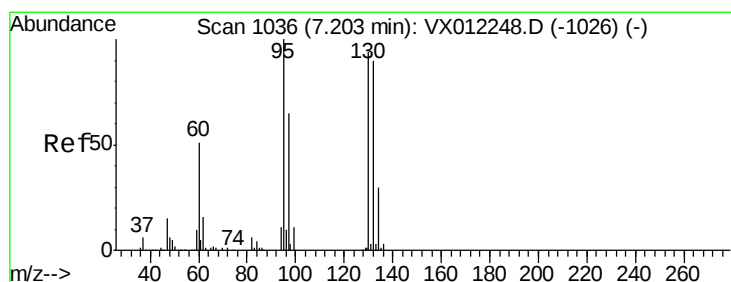
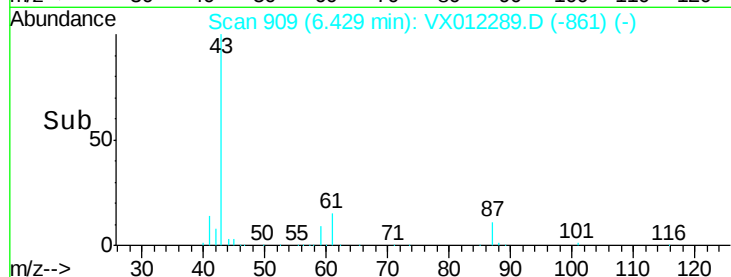
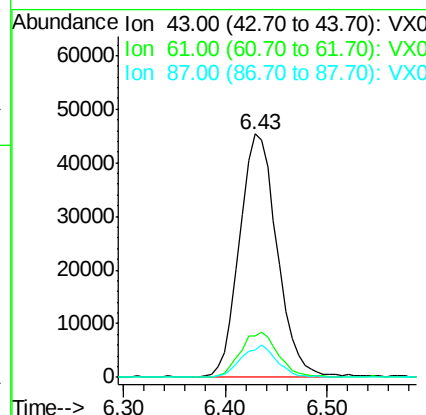
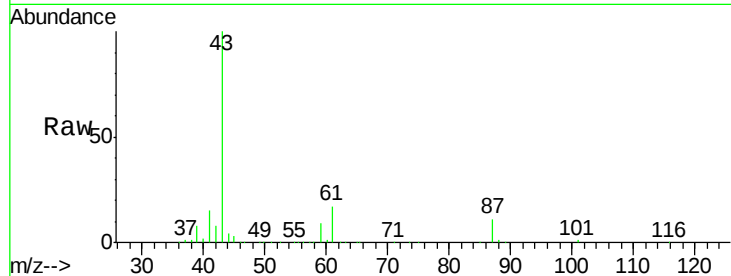
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	115231
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	12.6	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#44

Trichloroethene

Concen: 50.219 ug/l

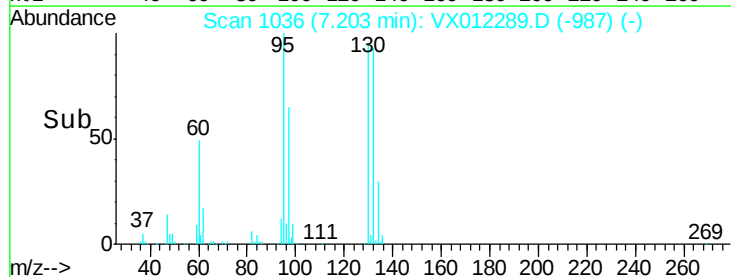
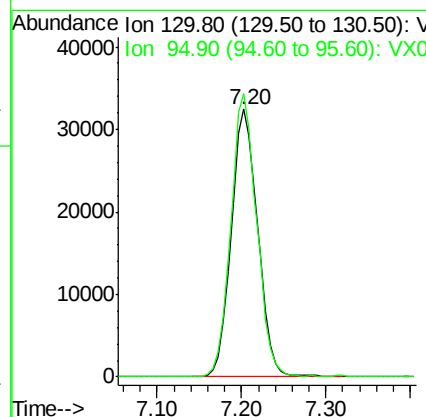
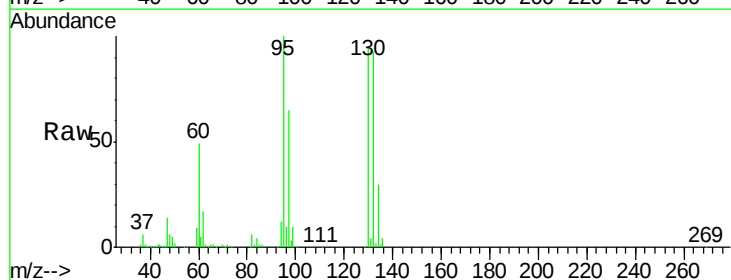
RT: 7.20 min Scan# 1036

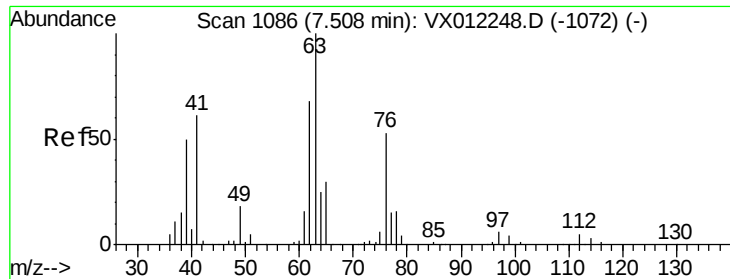
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	130	Resp:	69340
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	212.0





#45

1,2-Dichloropropane

Concen: 49.756 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 70267

Ion Ratio Lower Upper

63 100

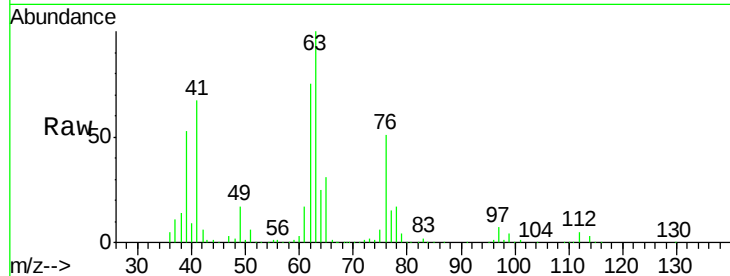
65 30.8 24.3 36.5

Manual Integrations

APPROVED

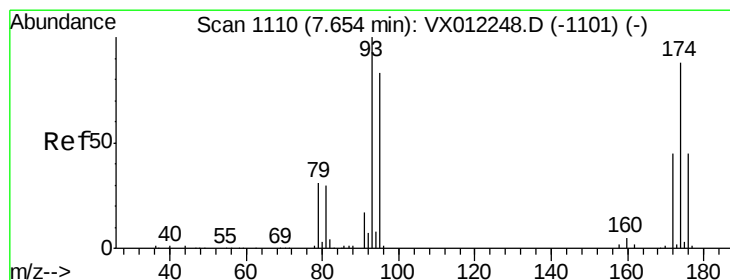
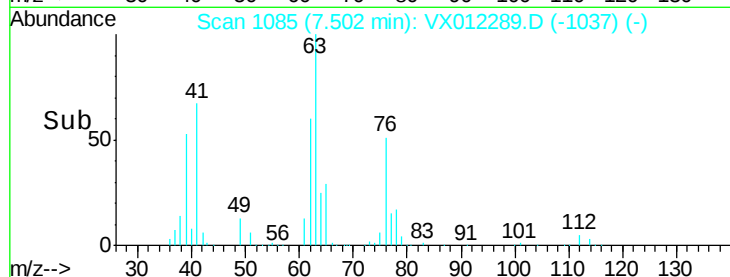
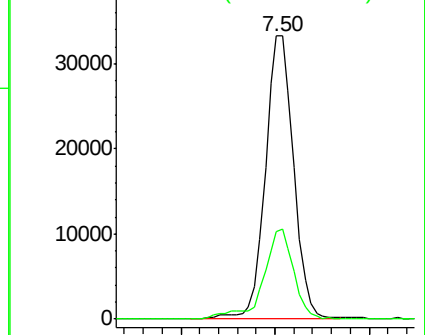
MMDadoda

9/12/2019 8:59:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.353 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

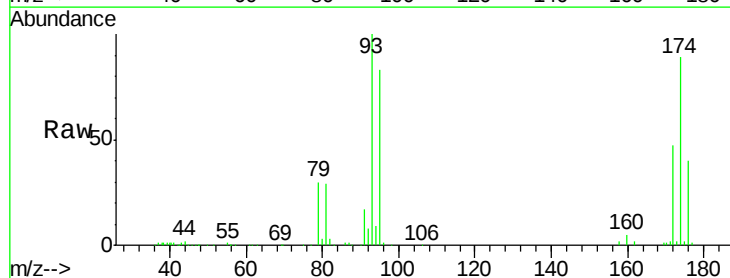
Tgt Ion: 93 Resp: 41180

Ion Ratio Lower Upper

93 100

95 83.3 65.7 98.5

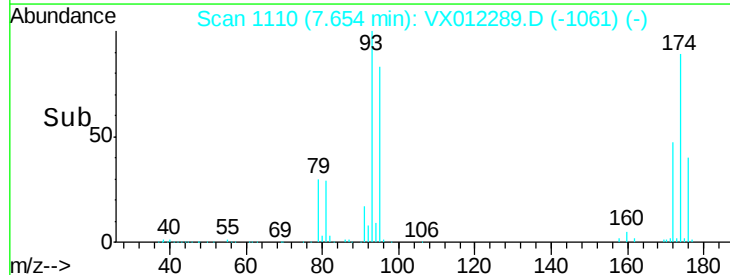
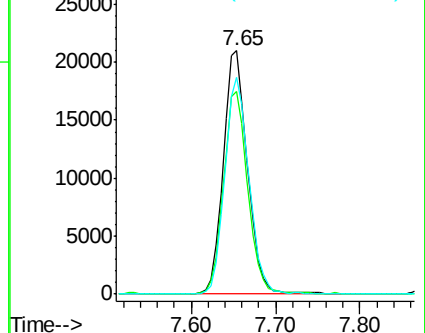
174 88.5 71.0 106.4

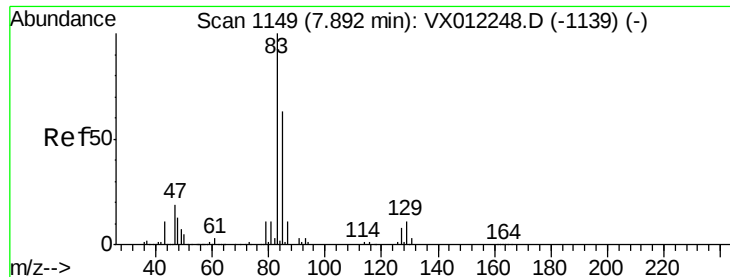


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.453 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

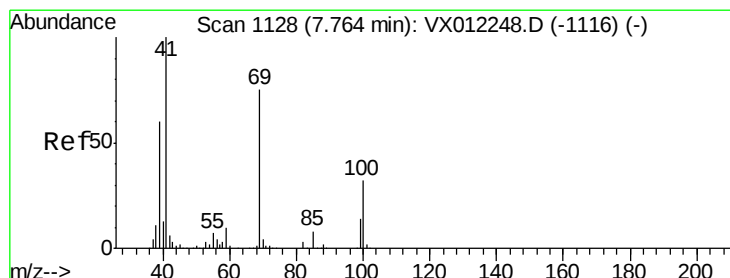
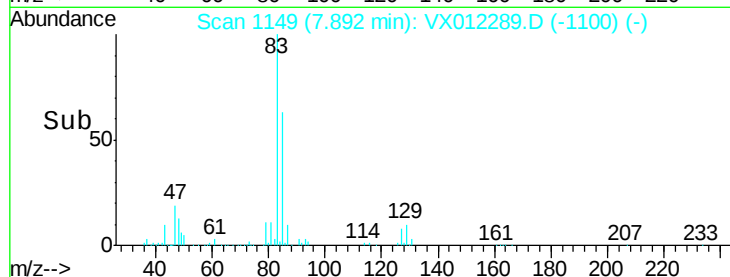
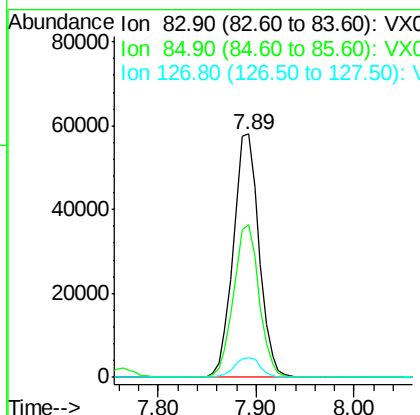
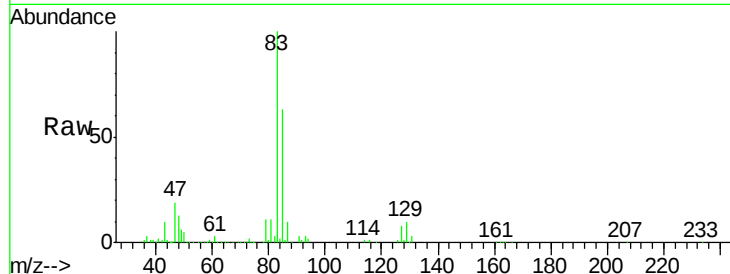
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	106269
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.2	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#48

Methyl methacrylate

Concen: 53.276 ug/l

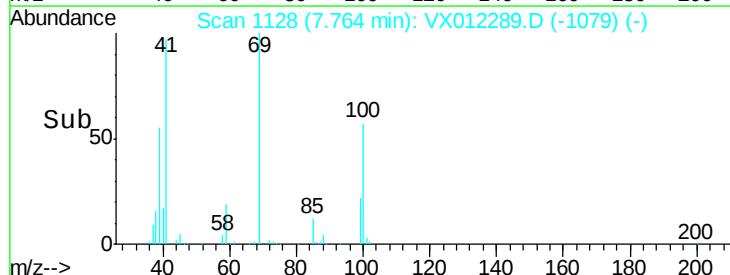
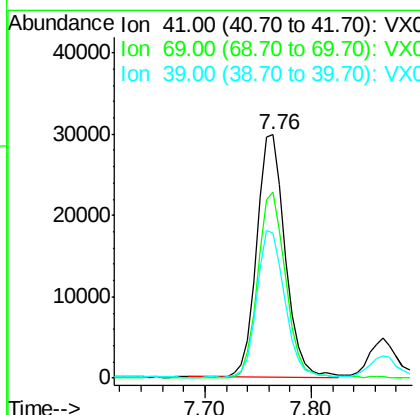
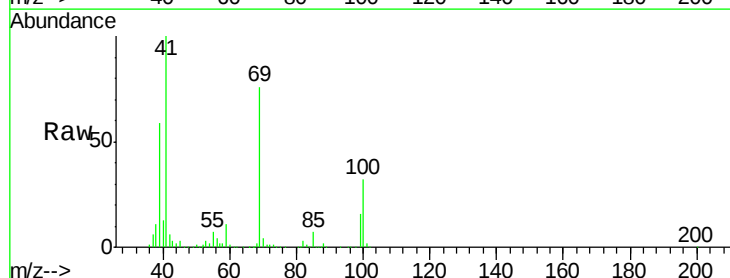
RT: 7.76 min Scan# 1128

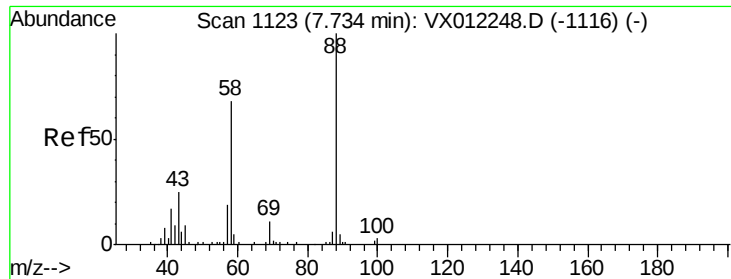
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	41	Resp:	56025
Ion	Ratio	Lower	Upper
41	100		
69	75.5	61.8	92.6
39	59.4	48.6	73.0





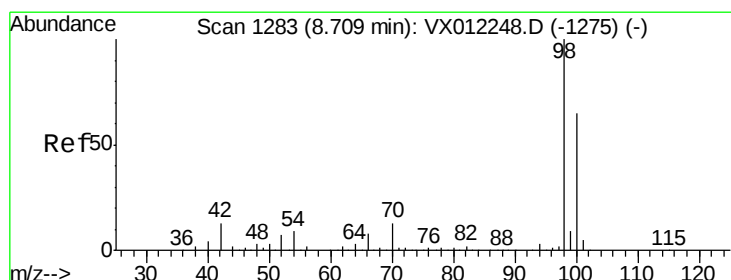
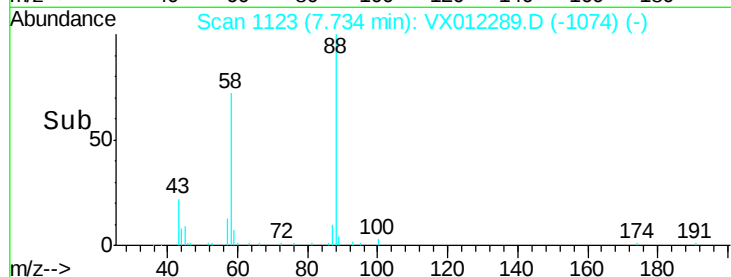
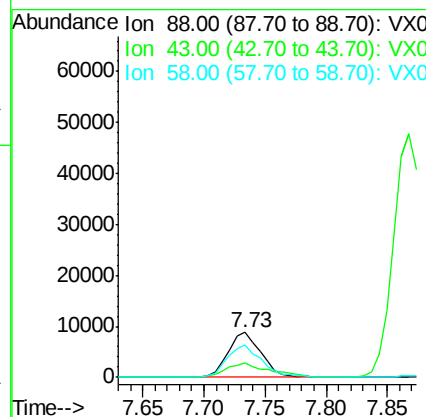
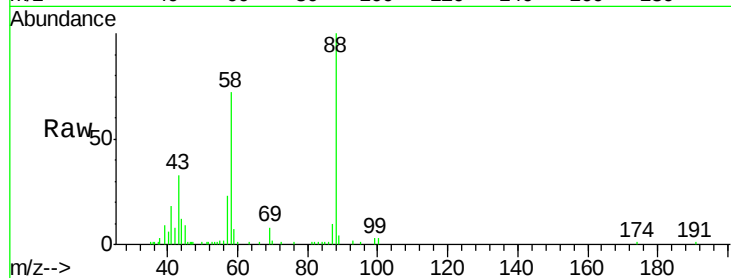
#49
1,4-Dioxane
Concen: 1167.011 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	16560		
43	39.0		31.0	46.4
58	76.6		61.5	92.3

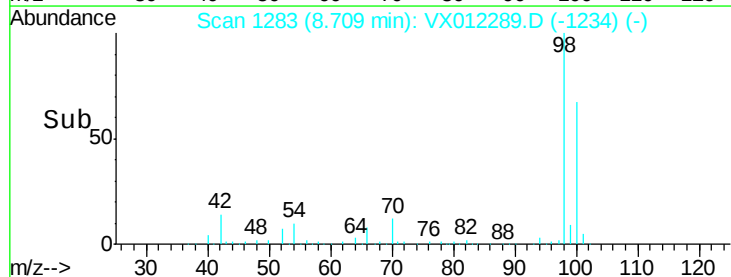
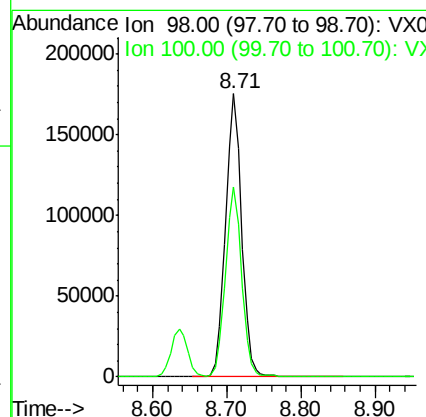
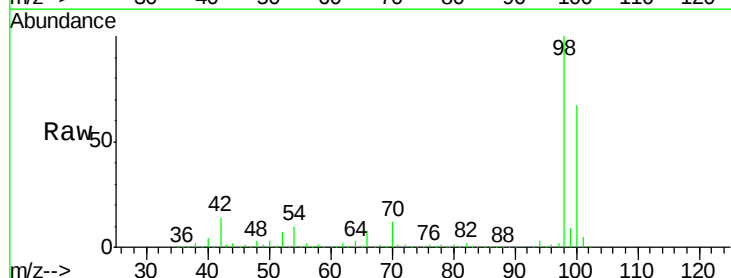
Manual Integrations
APPROVED

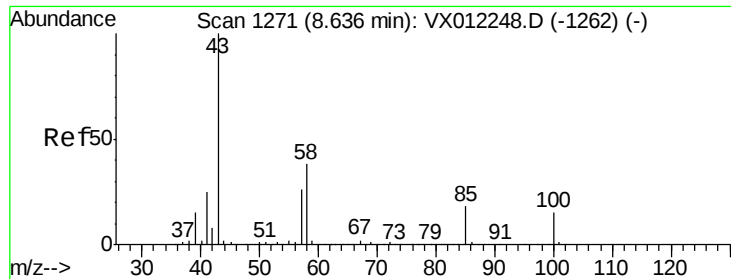
MMDadoda
9/12/2019 8:59:28 AM



#50
Toluene-d8
Concen: 50.766 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	263877		
100	68.2		54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 263.188 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 305170

Ion Ratio Lower Upper

43 100

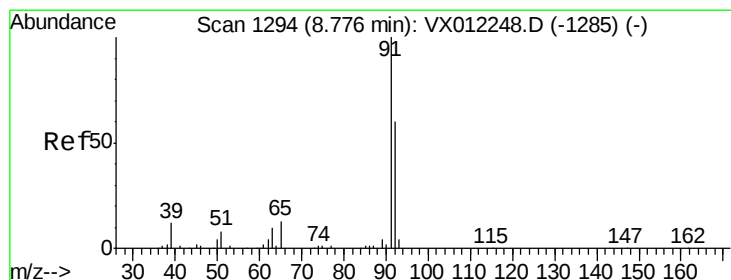
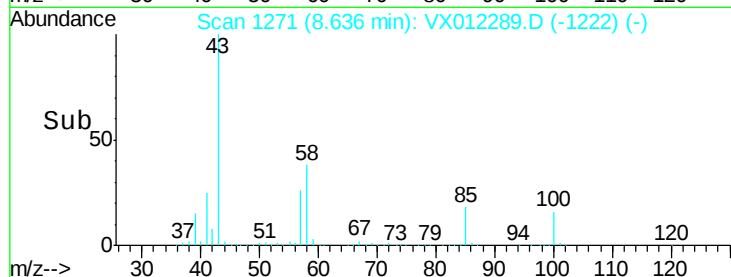
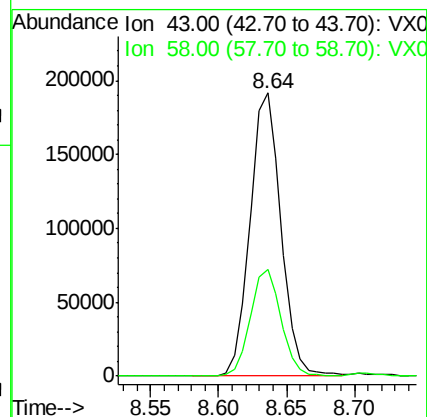
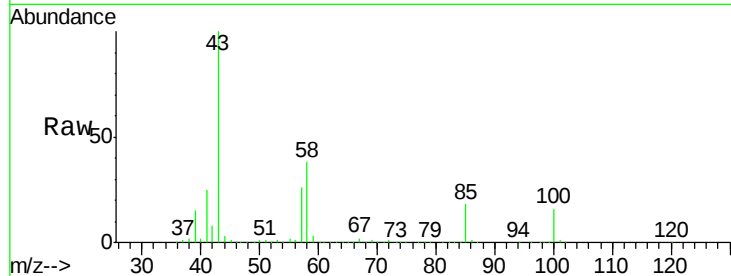
58 37.5 30.1 45.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#52

Toluene

Concen: 49.028 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012289.D

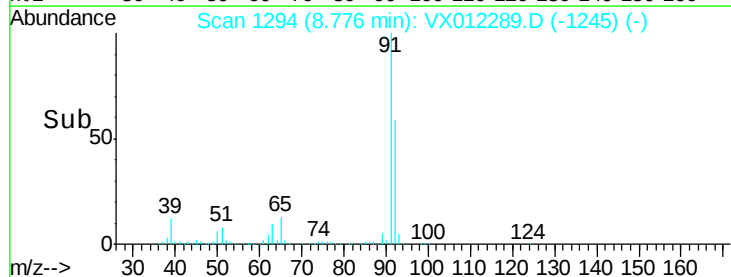
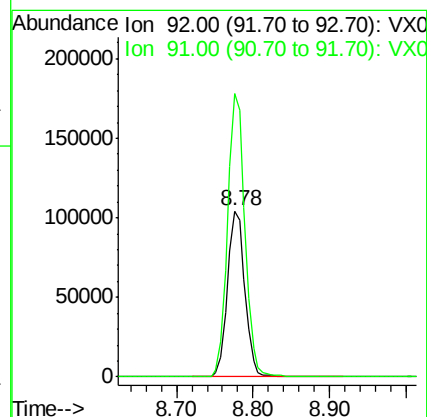
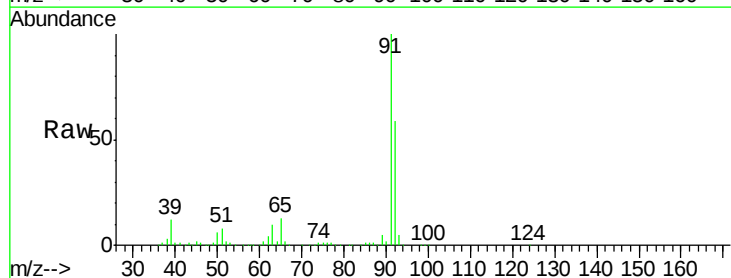
Acq: 11 Sep 2019 07:48

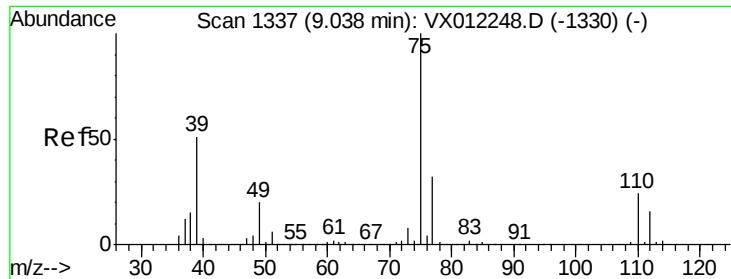
Tgt Ion: 92 Resp: 165223

Ion Ratio Lower Upper

92 100

91 168.9 133.6 200.4





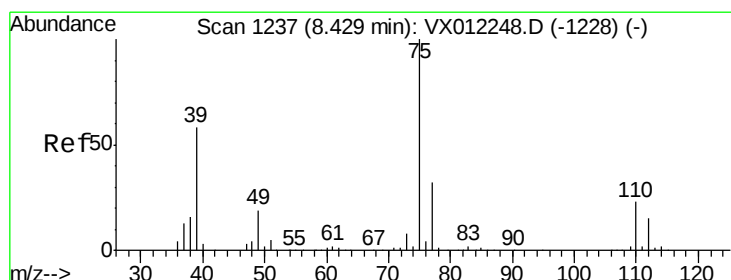
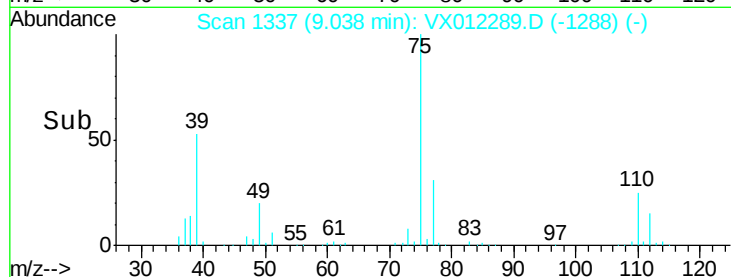
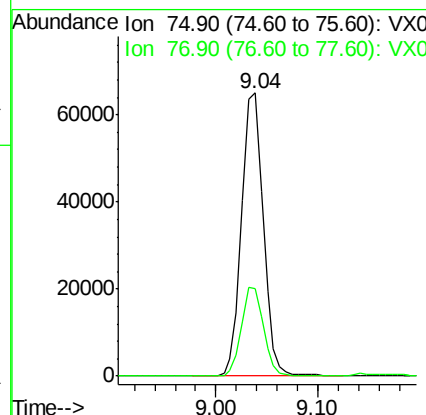
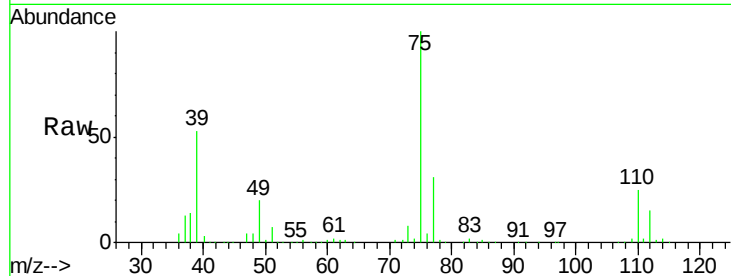
#53
t-1,3-Dichloropropene
Concen: 45.554 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 95768
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6

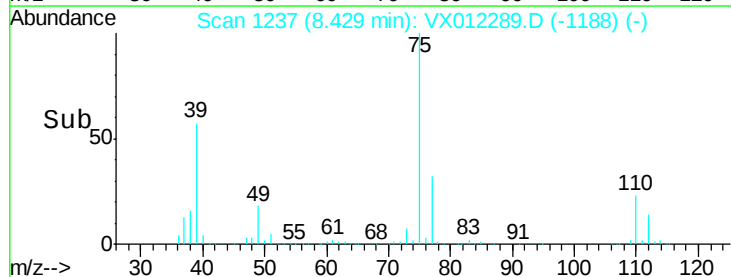
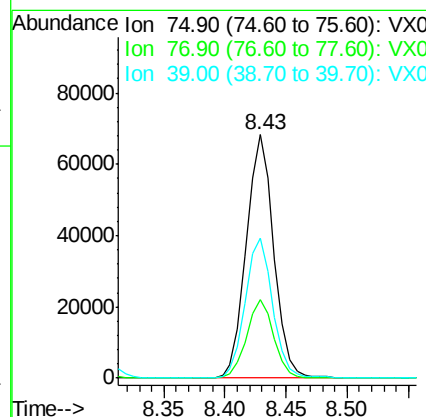
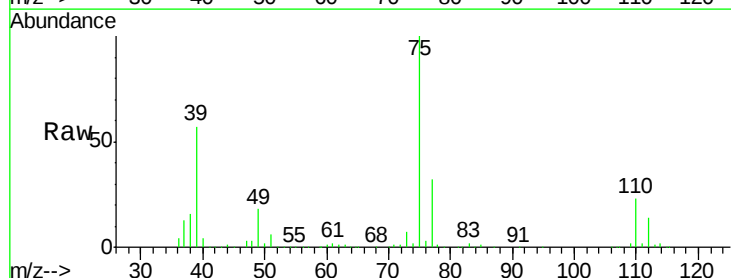
Manual Integrations
APPROVED

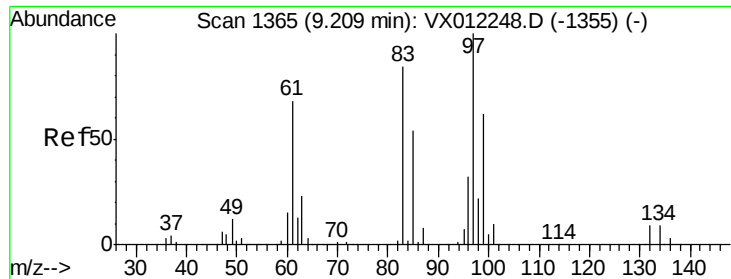
MMDadoda
9/12/2019 8:59:28 AM



#54
cis-1,3-Dichloropropene
Concen: 45.502 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion: 75 Resp: 106074
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2
39 57.3 46.5 69.7





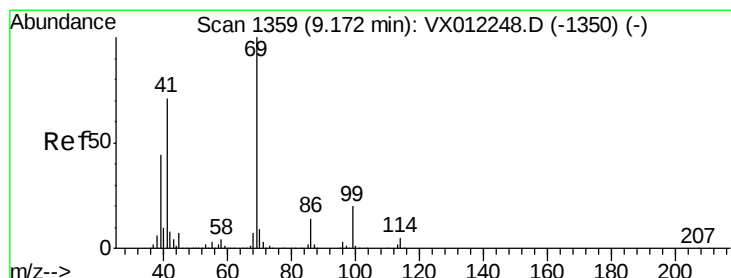
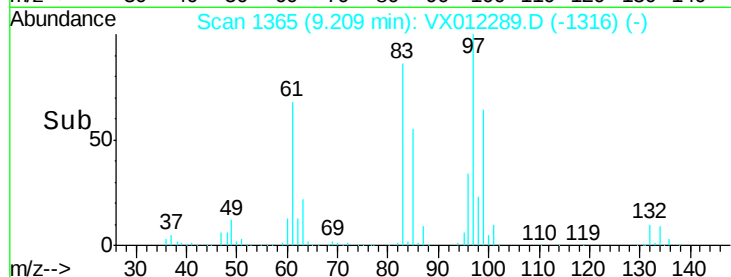
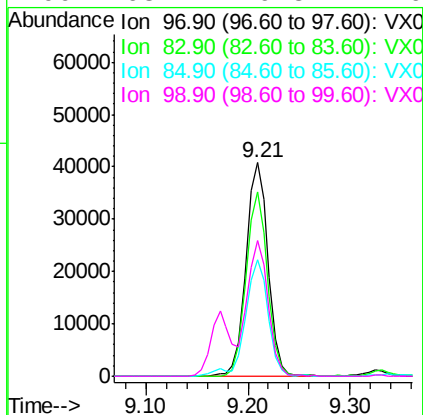
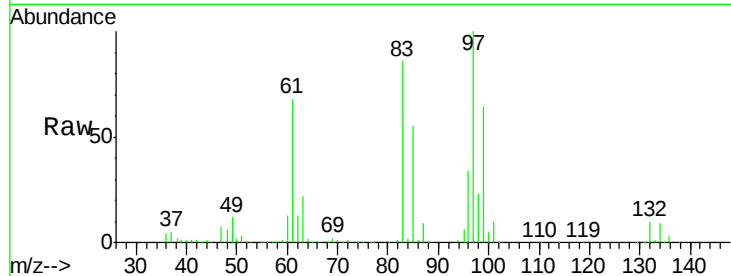
#55
 1,1,2-Trichloroethane
 Concen: 51.217 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	61244
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.4	101.2
85	54.6	43.4	65.2
99	63.7	49.8	74.6

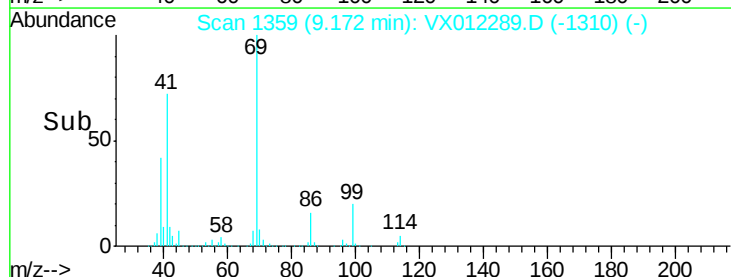
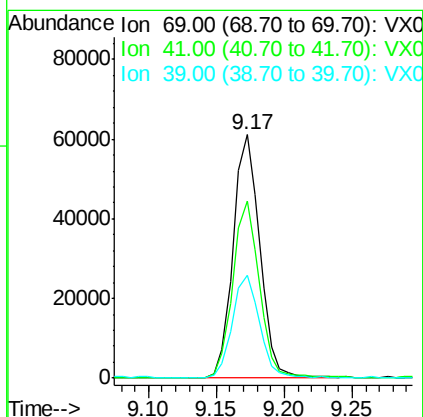
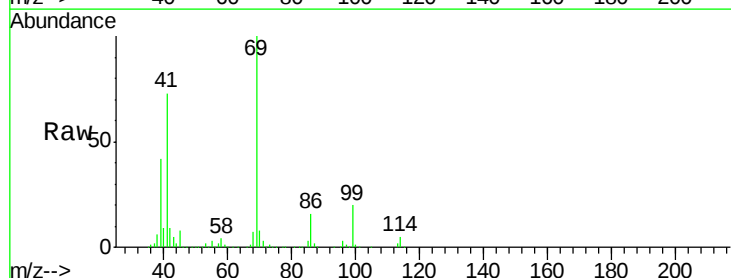
Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:28 AM



#56
 Ethyl methacrylate
 Concen: 51.703 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Tgt Ion:	69	Resp:	83709
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	42.6	34.0	51.0





#57

1,3-Dichloropropane

Concen: 51.536 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 105252

Ion Ratio Lower Upper

76 100

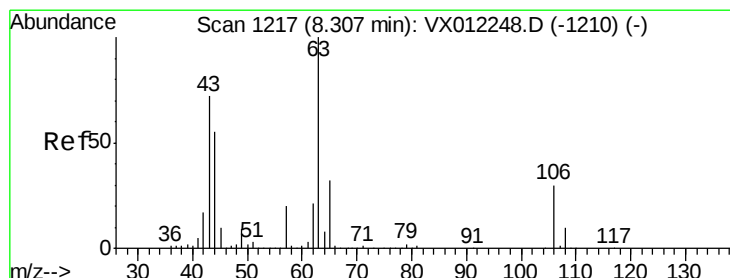
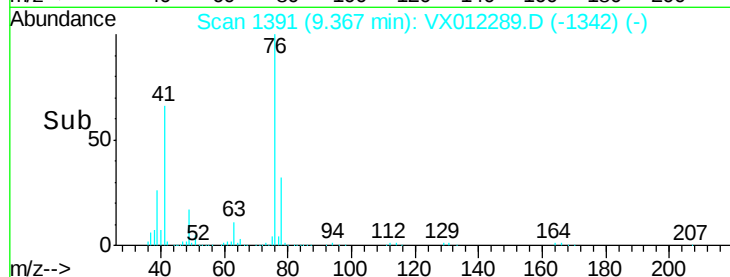
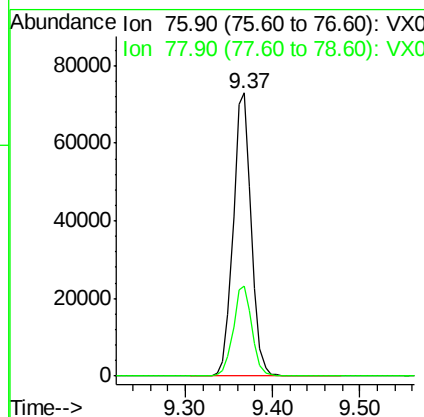
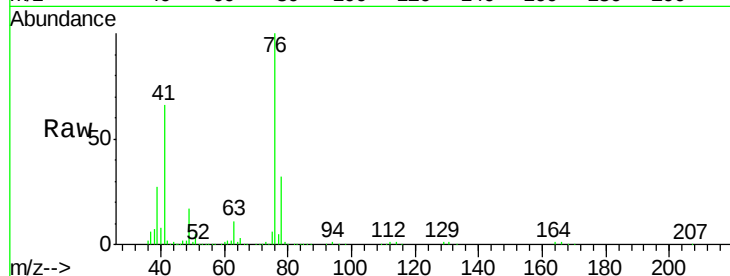
78 32.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 252.529 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012289.D

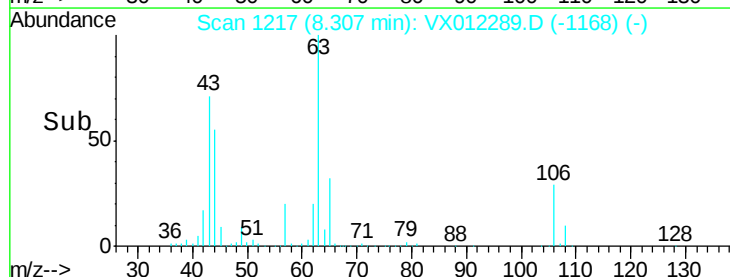
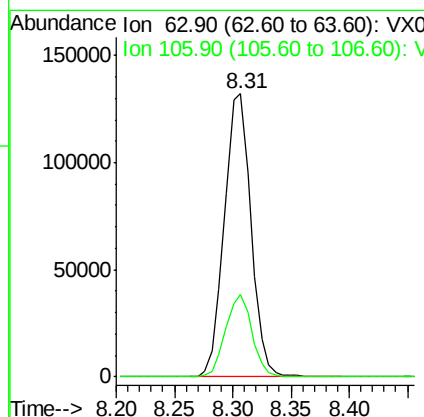
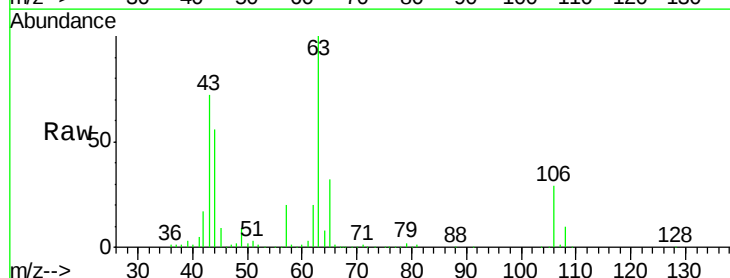
Acq: 11 Sep 2019 07:48

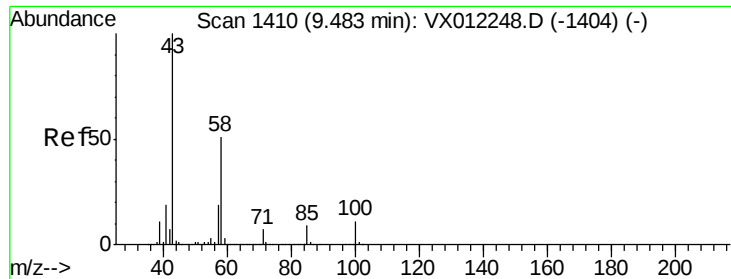
Tgt Ion: 63 Resp: 209550

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.2





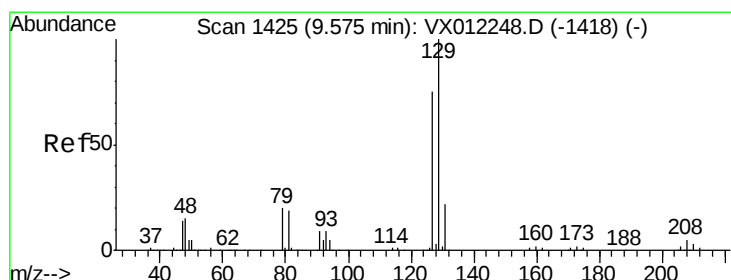
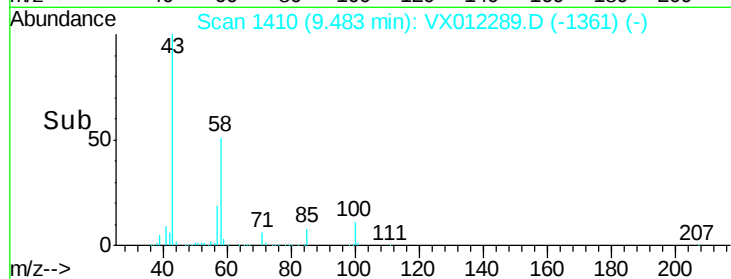
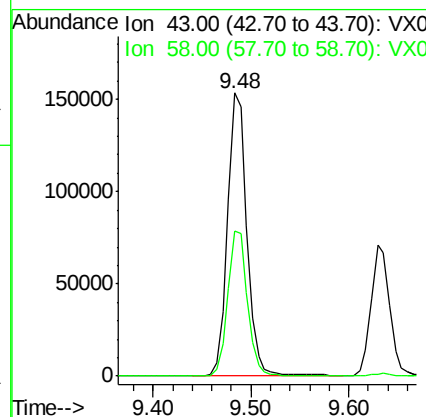
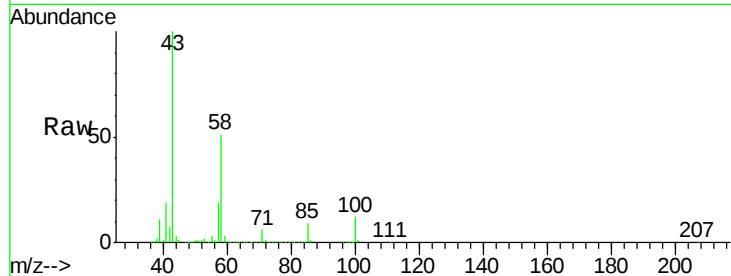
#59
2-Hexanone
Concen: 262.121 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 211326
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3

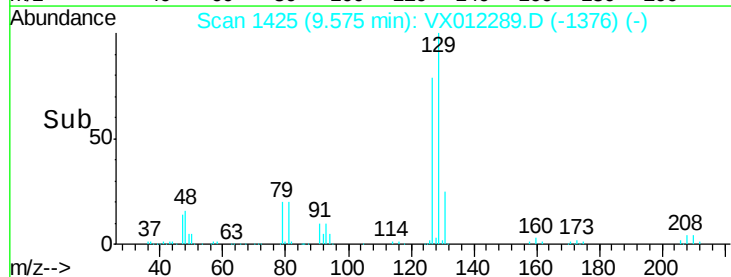
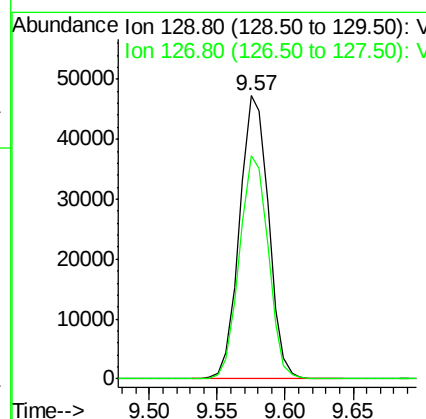
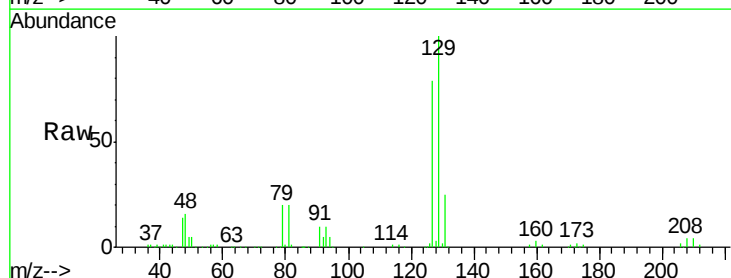
Manual Integrations
APPROVED

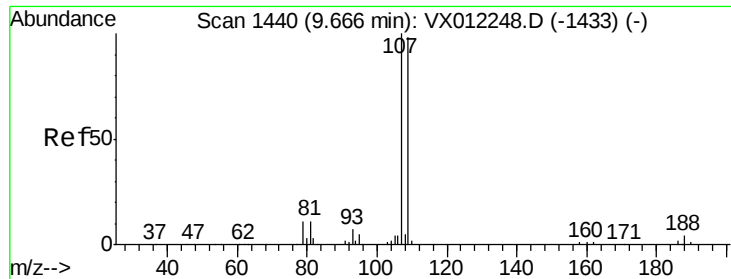
MMDadoda
9/12/2019 8:59:28 AM



#60
Dibromochloromethane
Concen: 50.331 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion: 129 Resp: 70260
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.809 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 57667

Ion Ratio Lower Upper

107 100

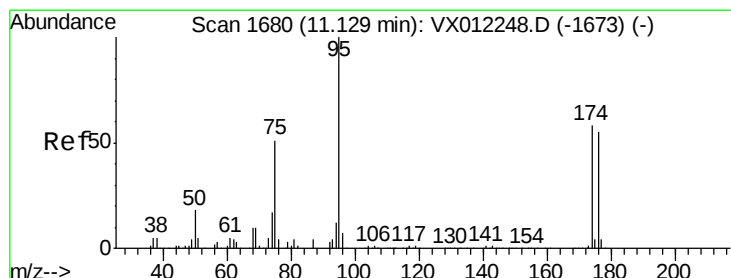
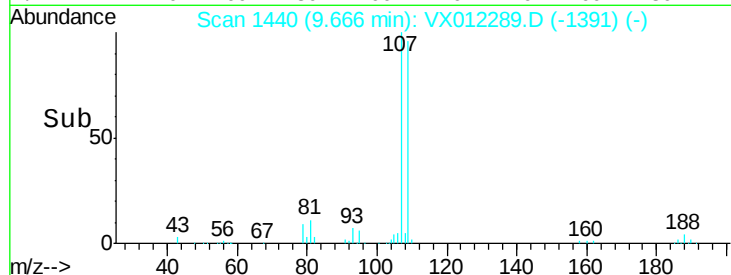
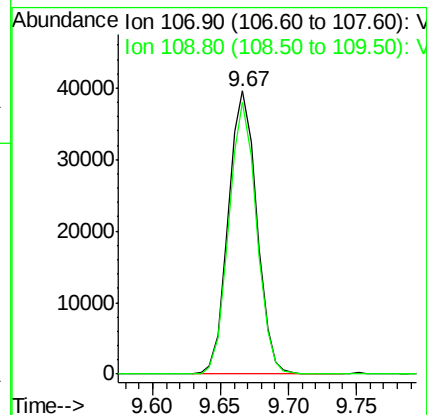
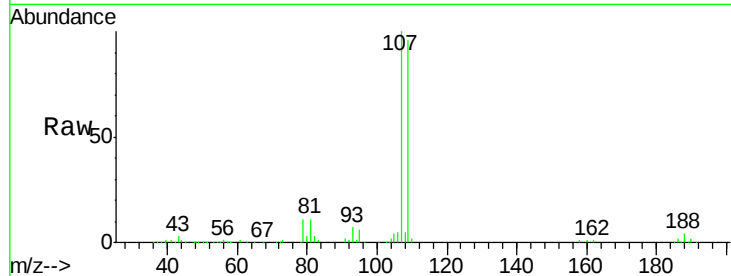
109 93.8 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:28 AM



#62

4-Bromofluorobenzene

Concen: 46.042 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

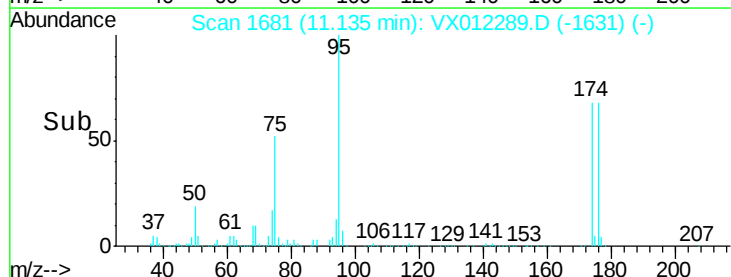
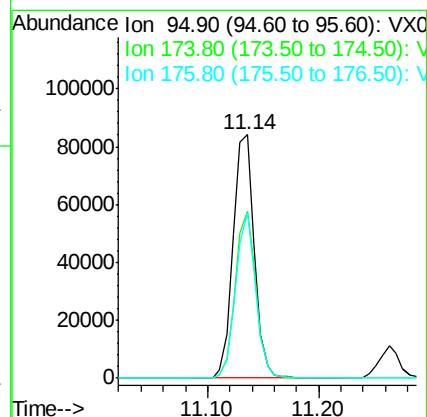
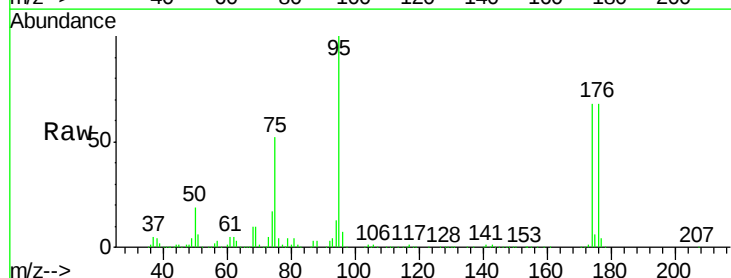
Tgt Ion: 95 Resp: 110949

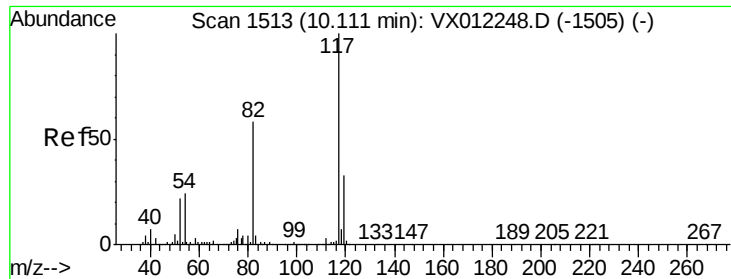
Ion Ratio Lower Upper

95 100

174 66.4 0.0 127.0

176 63.9 0.0 125.8





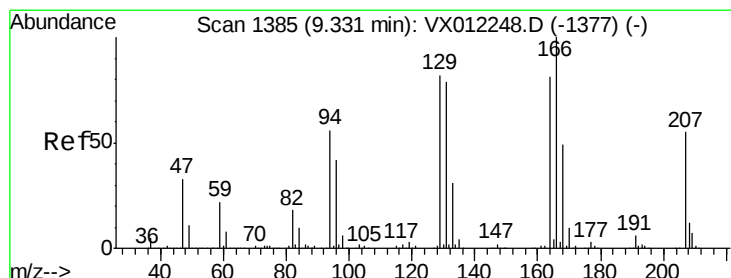
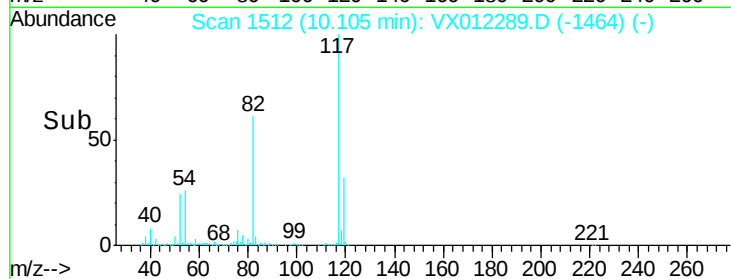
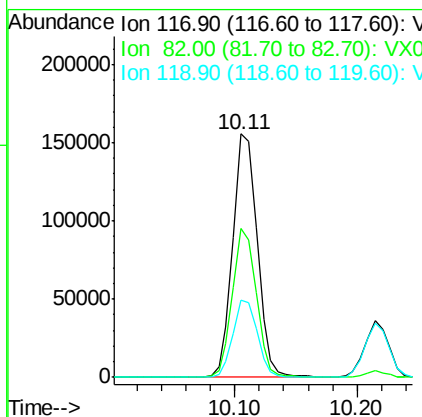
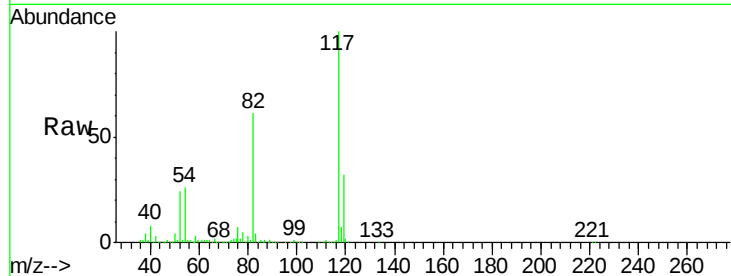
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.4	69.6
119	31.7	26.6	39.8

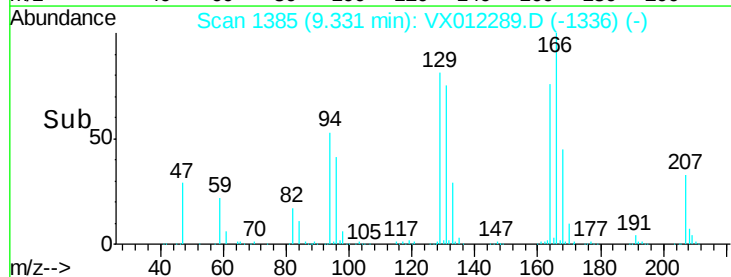
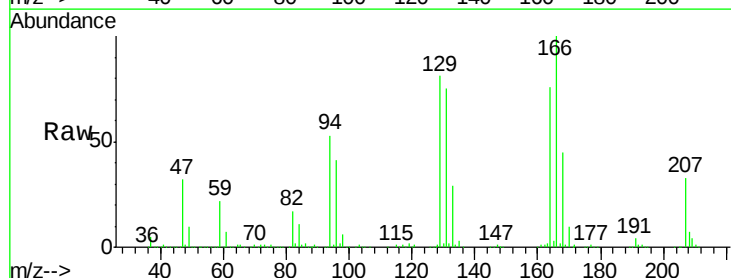
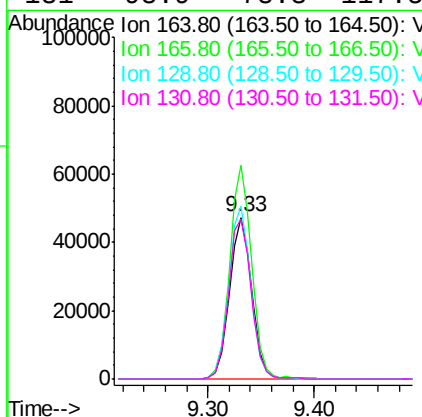
Manual Integrations
APPROVED

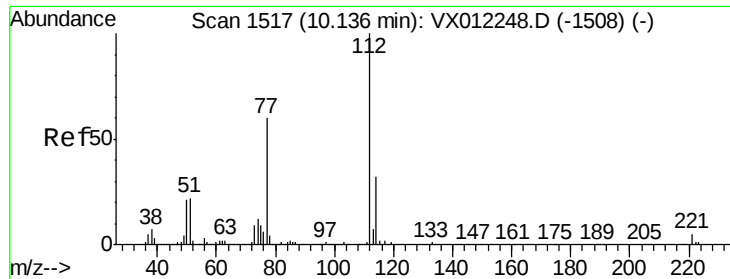
MMDadoda
9/12/2019 8:59:28 AM



#64
Tetrachloroethene
Concen: 60.768 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	99.4	149.0
129	106.8	81.8	122.8
131	98.9	78.3	117.5





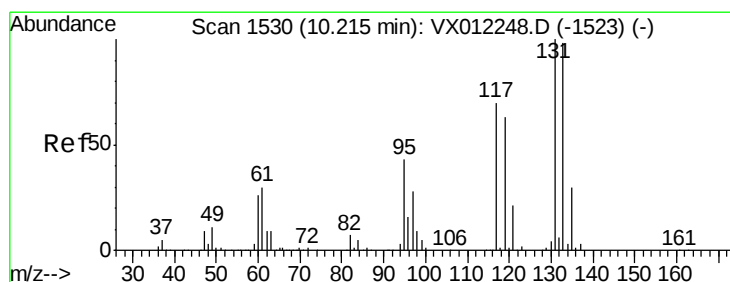
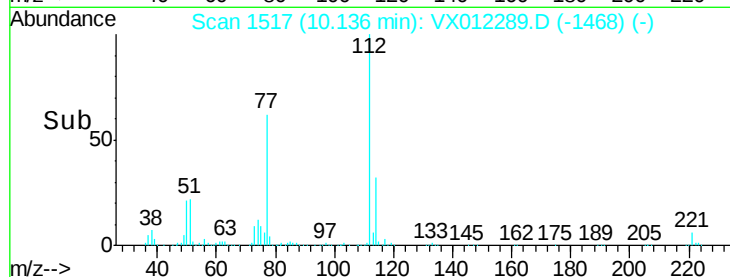
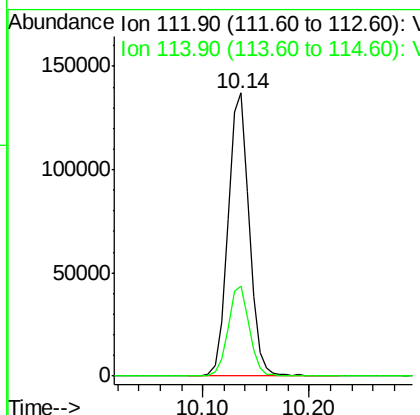
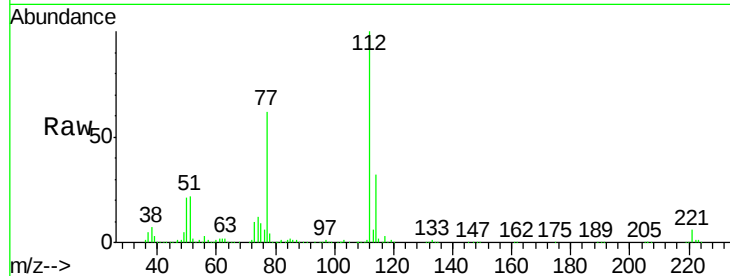
#65
Chlorobenzene
Concen: 48.550 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 191169
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

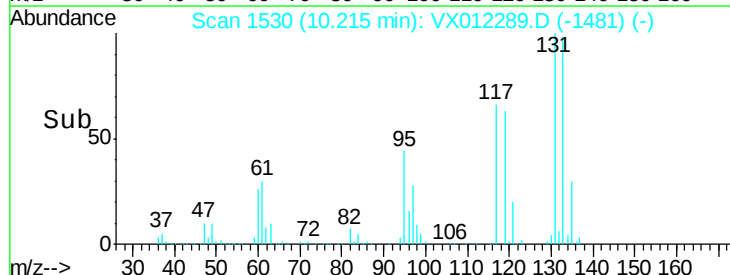
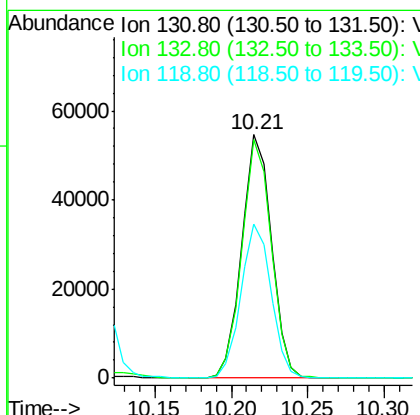
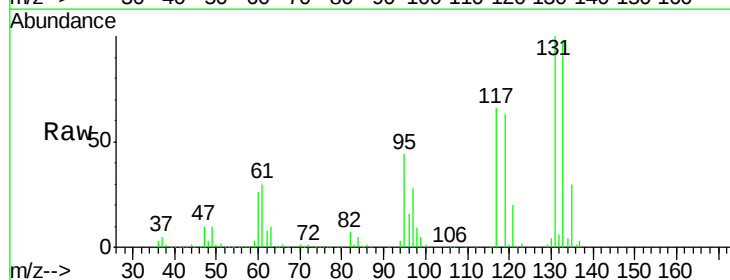
Manual Integrations
APPROVED

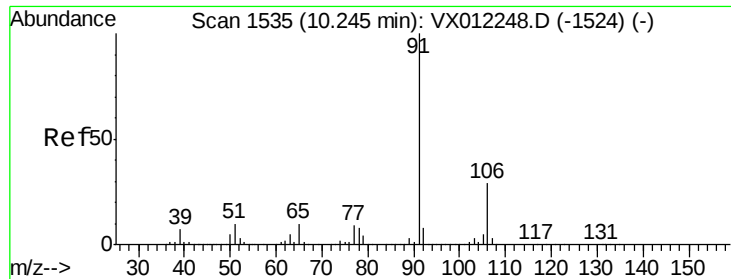
MMDadoda
9/12/2019 8:59:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.696 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion:131 Resp: 73766
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.2
119 63.7 31.6 95.0





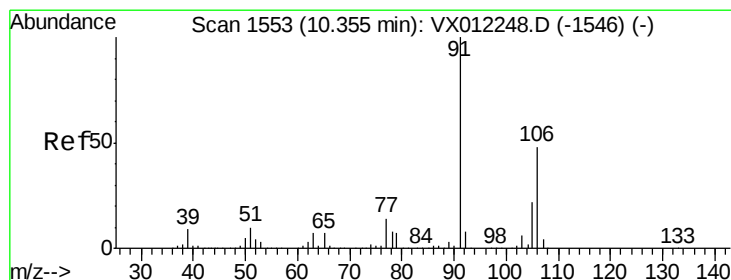
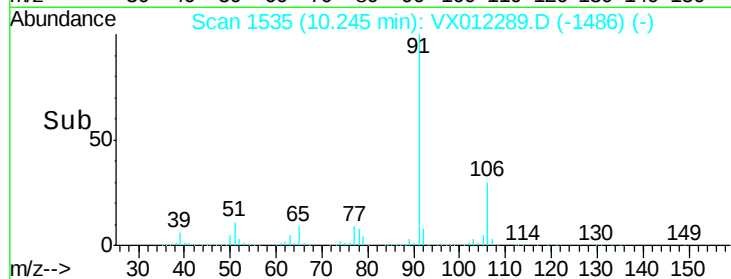
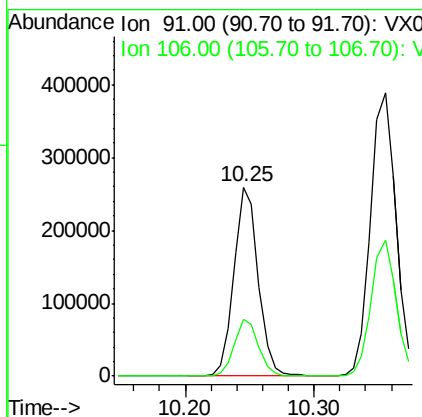
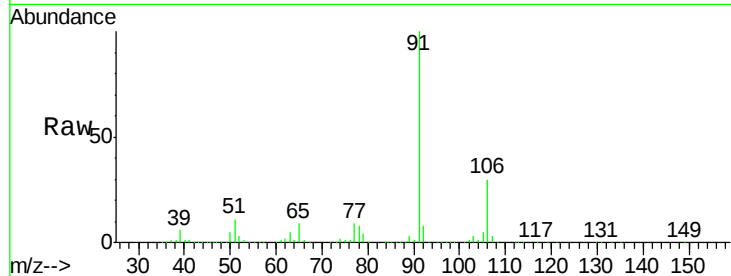
#67
Ethyl Benzene
Concen: 48.947 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 342784
Ion Ratio Lower Upper
91 100
106 29.8 23.1 34.7

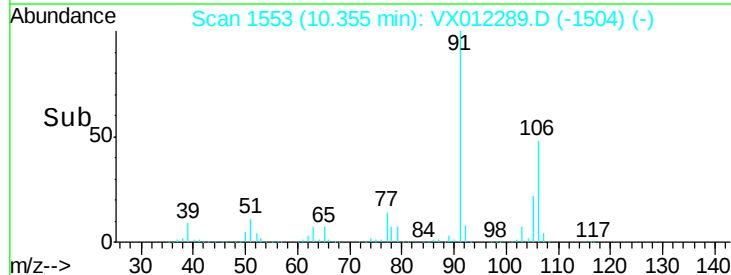
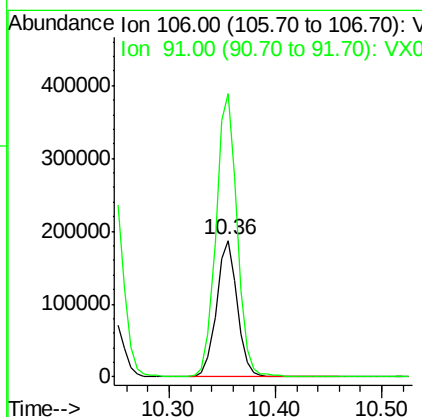
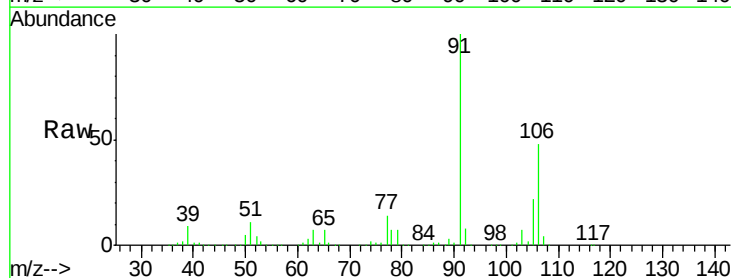
Manual Integrations
APPROVED

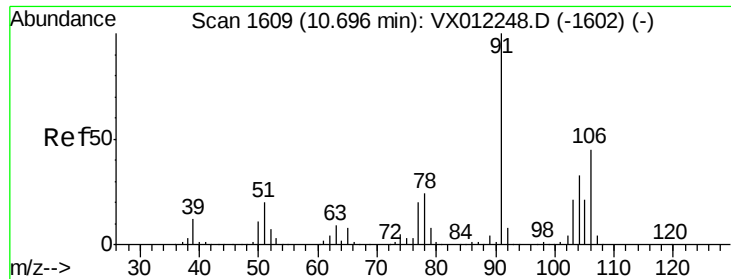
MMDadoda
9/12/2019 8:59:28 AM



#68
m/p-Xylenes
Concen: 97.567 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion: 106 Resp: 251525
Ion Ratio Lower Upper
106 100
91 211.3 167.0 250.6





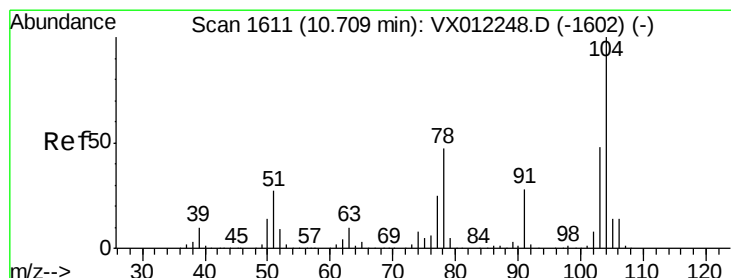
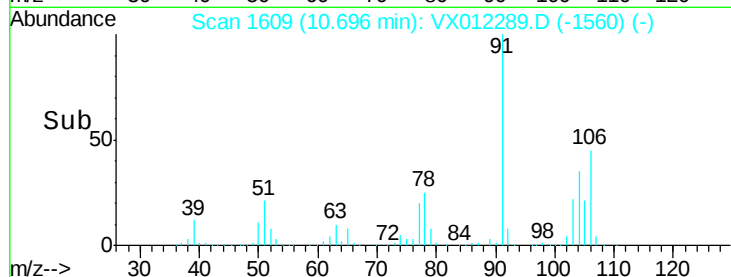
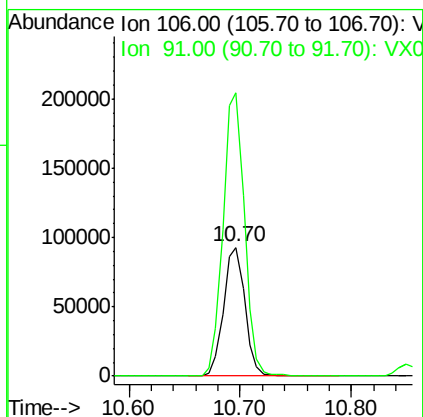
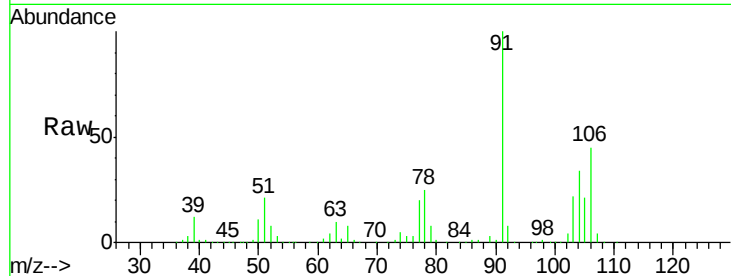
#69
o-Xylene
Concen: 48.780 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	110.5	331.4

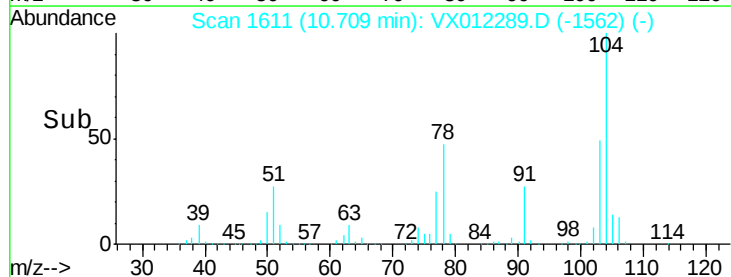
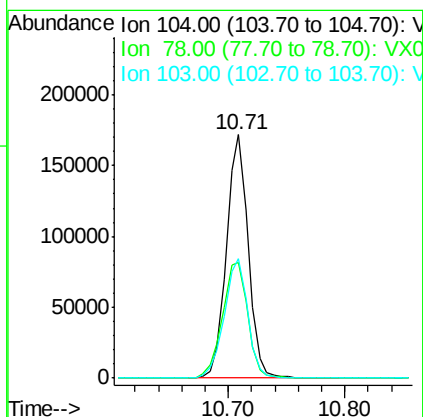
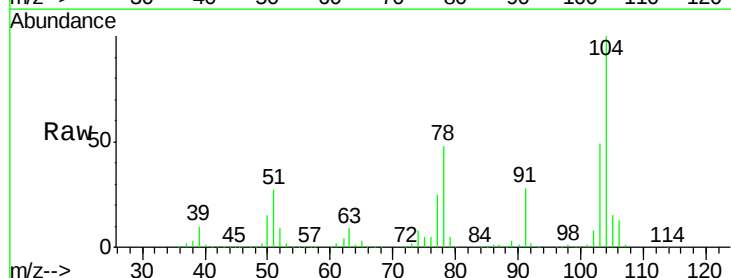
Manual Integrations
APPROVED

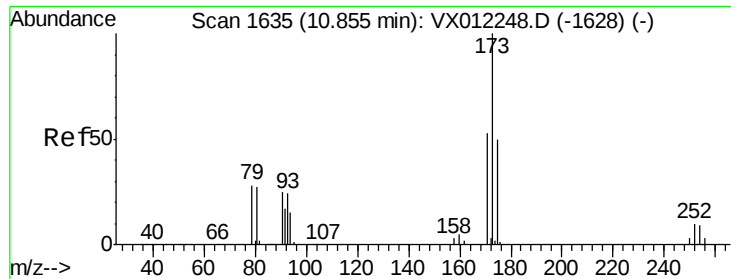
MMDadoda
9/12/2019 8:59:28 AM



#70
Styrene
Concen: 49.791 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.2	66.2
103	53.2	42.5	63.7





#71

Bromoform

Concen: 49.719 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 38269

Ion Ratio Lower Upper

173 100

175 49.3 24.5 73.5

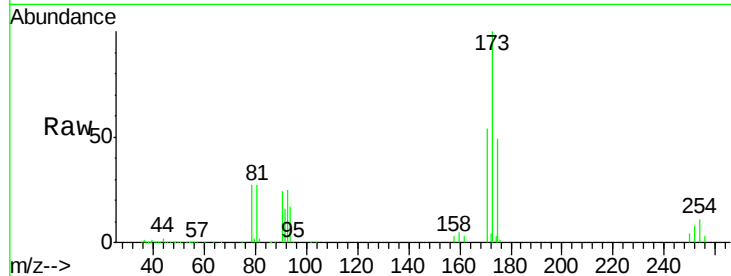
254 0.0 0.2 0.4#

Manual Integrations

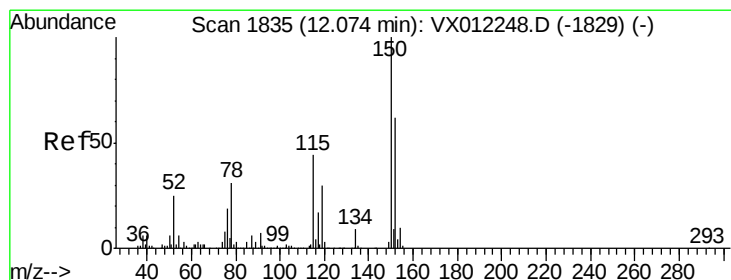
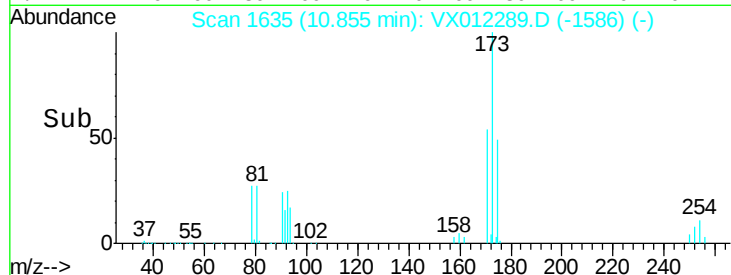
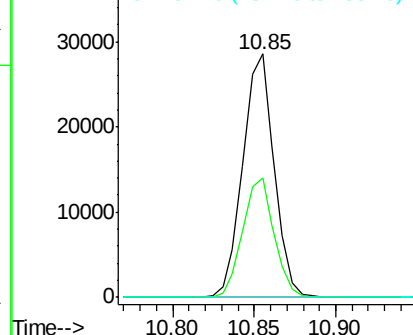
APPROVED

MMDadoda

9/12/2019 8:59:28 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: VX012289.D

Acq: 11 Sep 2019 07:48

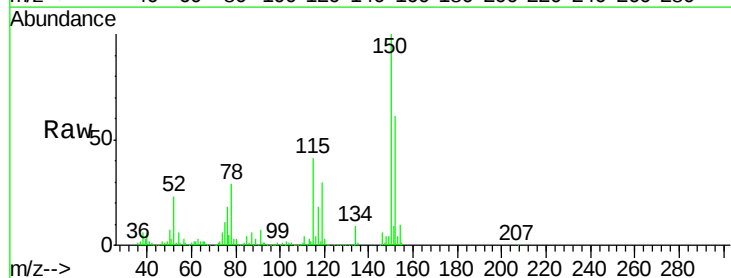
Tgt Ion:152 Resp: 105577

Ion Ratio Lower Upper

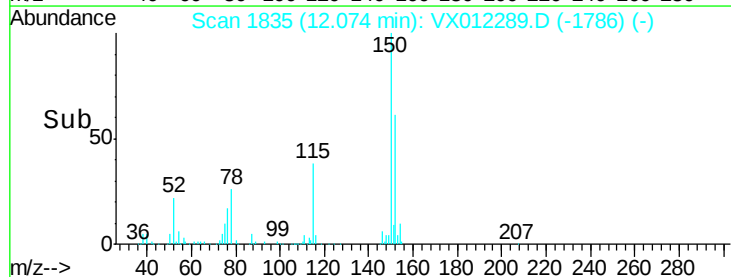
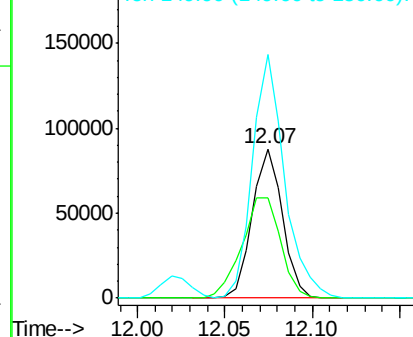
152 100

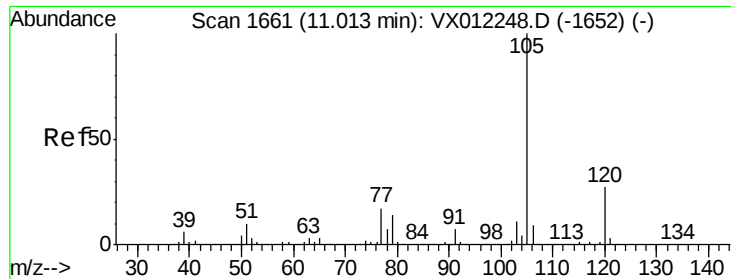
115 86.2 45.5 136.4

150 173.6 0.0 346.4



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: 48.228 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 335208

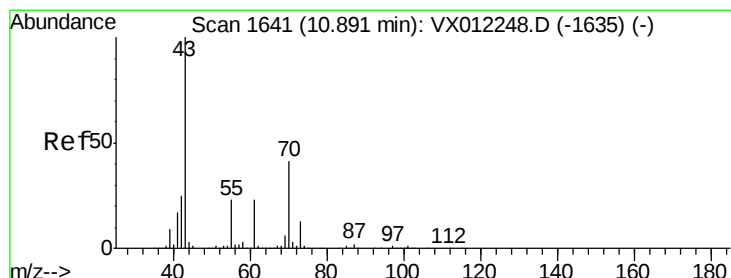
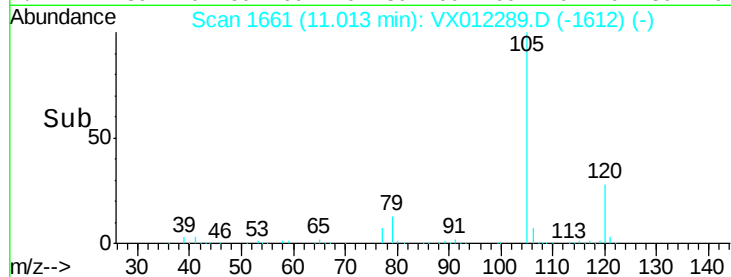
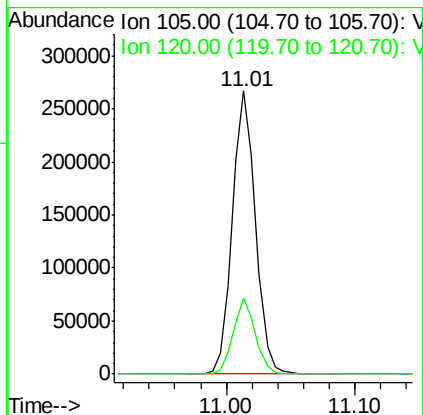
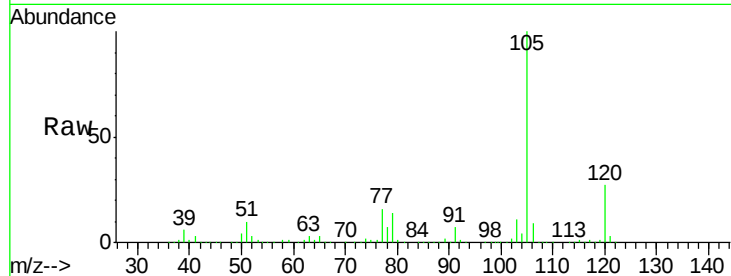
Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#74

N-ethyl acetate

Concen: 44.356 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion: 43 Resp: 91665

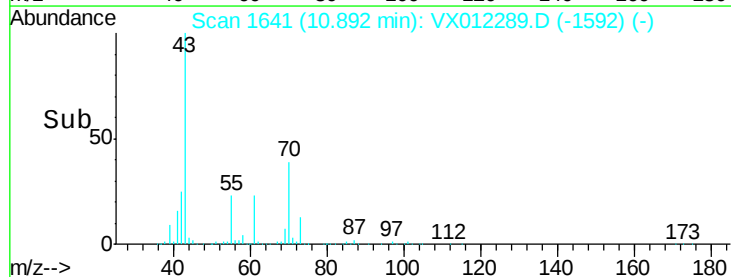
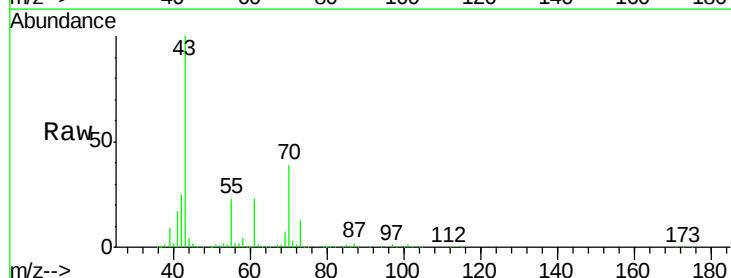
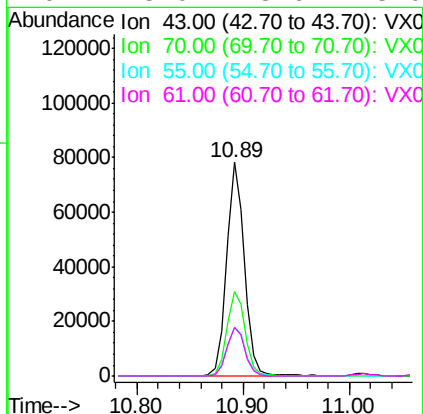
Ion Ratio Lower Upper

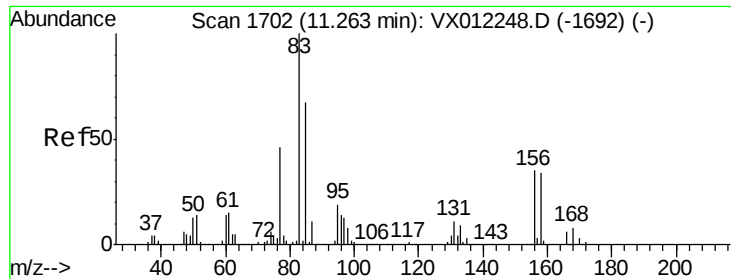
43 100

70 41.0 32.9 49.3

55 23.9 19.1 28.7

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.120 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

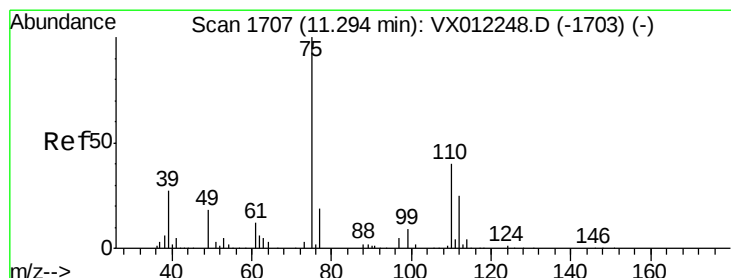
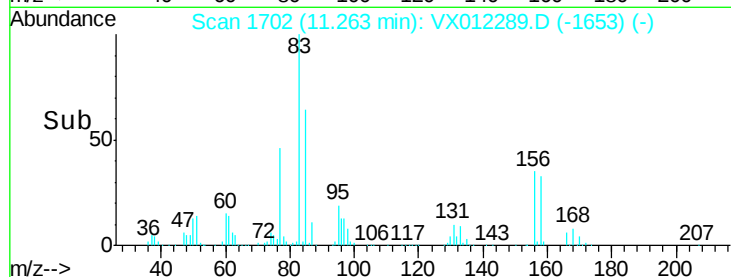
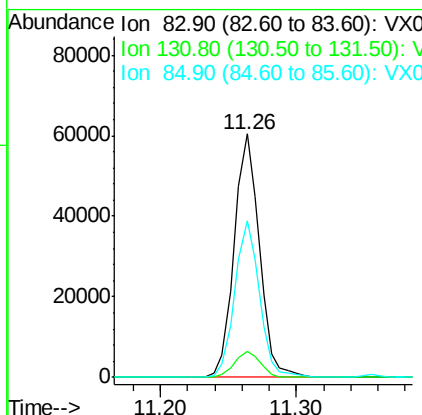
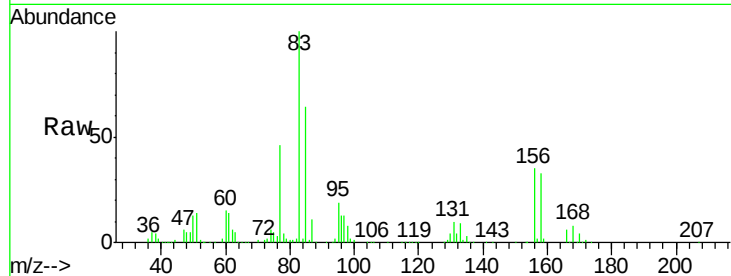
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	77801
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	63.3	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#76

1,2,3-Trichloropropane

Concen: 50.400 ug/l m

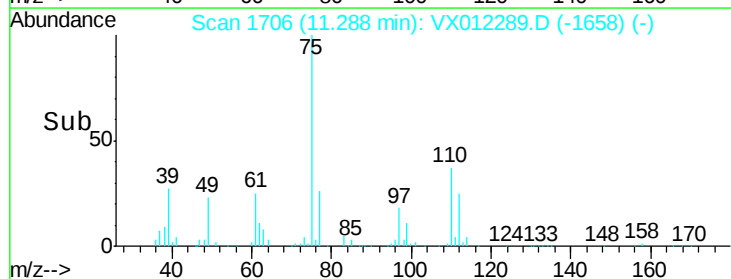
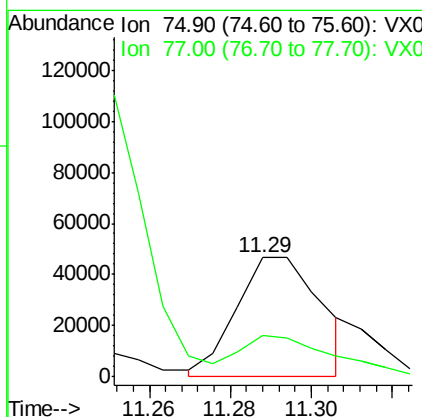
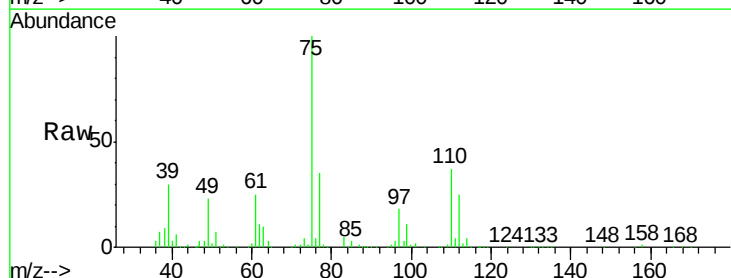
RT: 11.29 min Scan# 1706

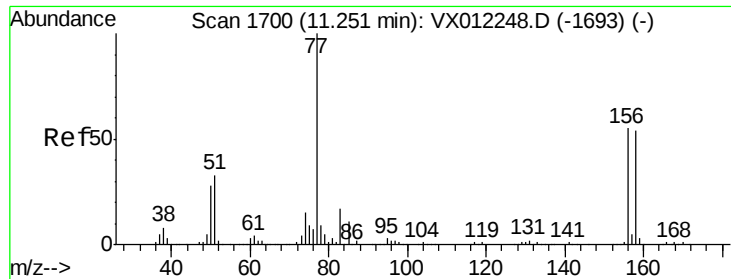
Delta R.T. -0.01 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	75	Resp:	68357
Ion	Ratio	Lower	Upper
75	100		
77	38.1	19.7	59.0





#77

Bromobenzene

Concen: 50.107 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

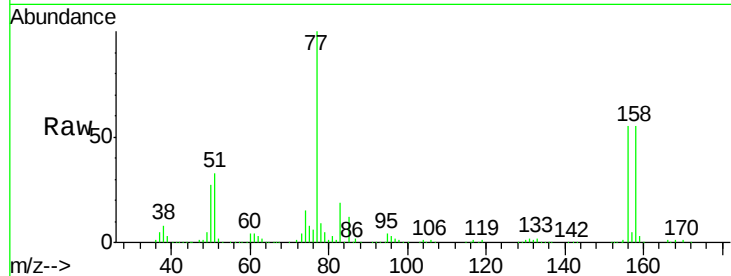
ClientSampleId :

VSTDCCC050EC

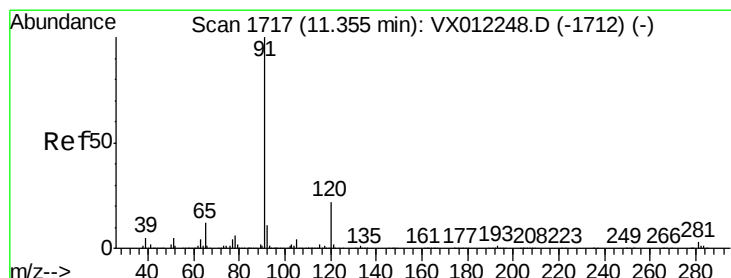
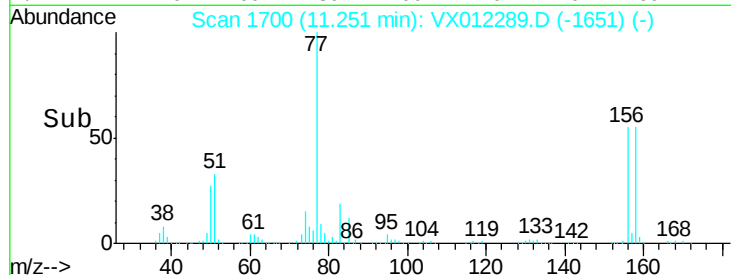
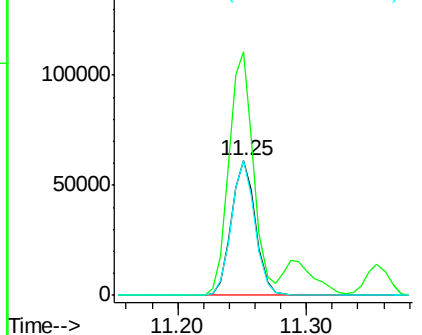
Tot Ion:	156	Resp:	80183
Ion Ratio	Lower	Upper	
156	100		
77	184.1	92.2	276.6
158	97.9	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.562 ug/l

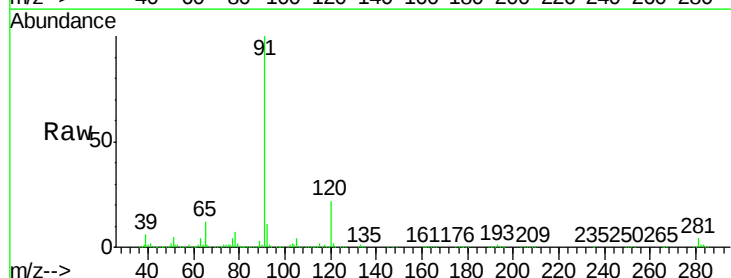
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

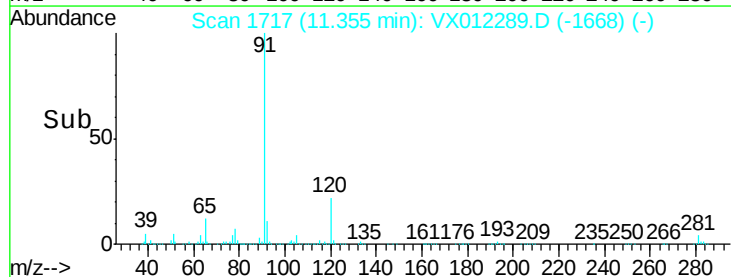
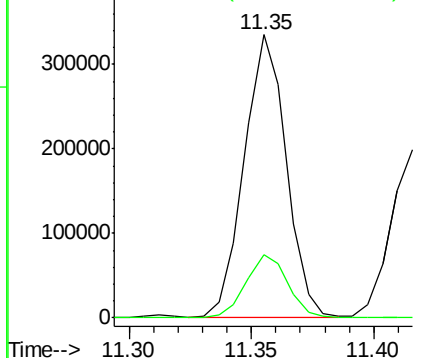
Lab File: VX012289.D

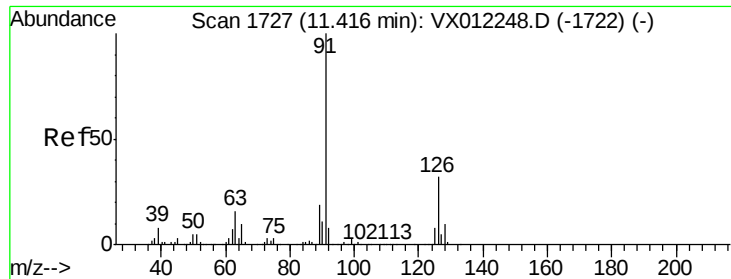
Acq: 11 Sep 2019 07:48

Tgt Ion:	91	Resp:	399203
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





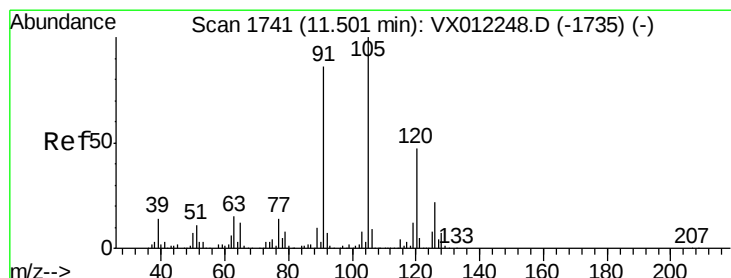
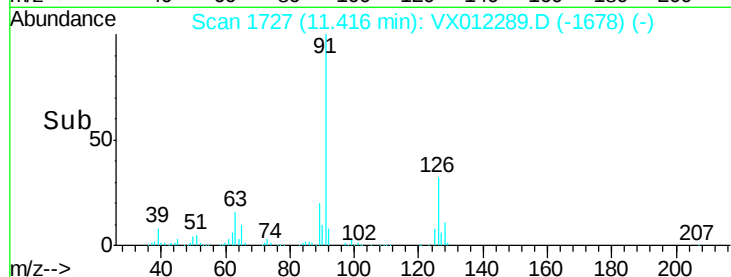
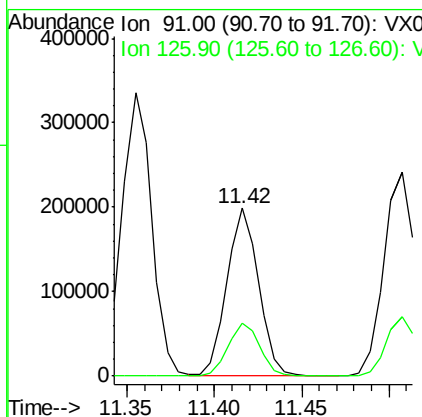
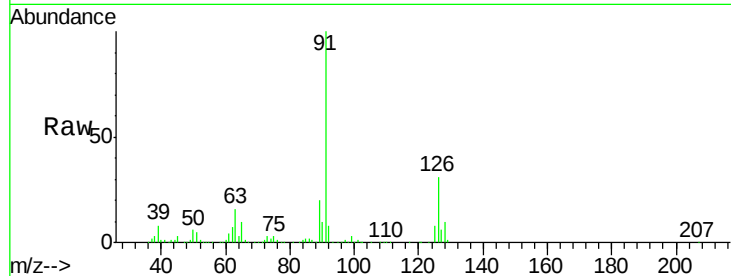
#79
 2-Chlorotoluene
 Concen: 48.180 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 250543
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.9 47.7

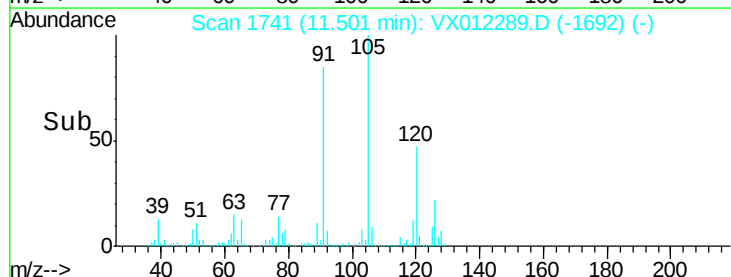
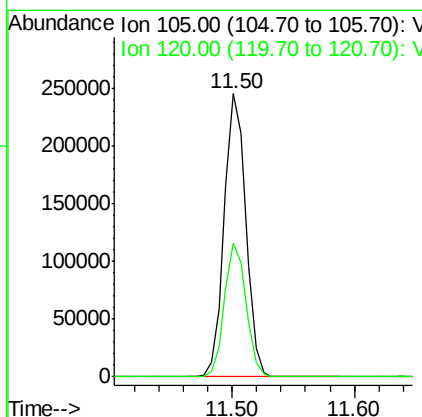
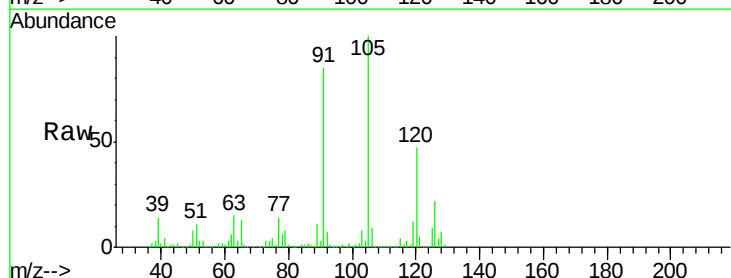
Manual Integrations
 APPROVED

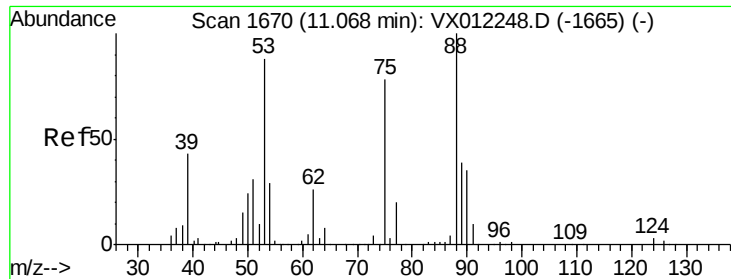
MMDadoda
 9/12/2019 8:59:28 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.155 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Tgt Ion: 105 Resp: 300991
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 40.909 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

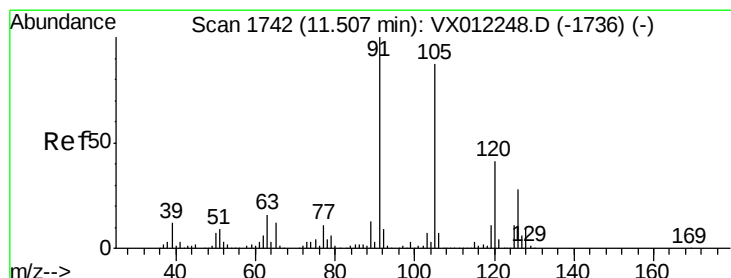
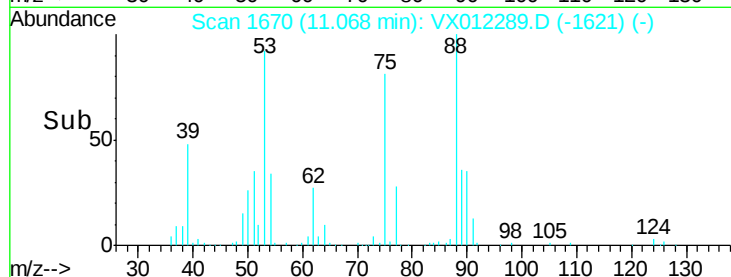
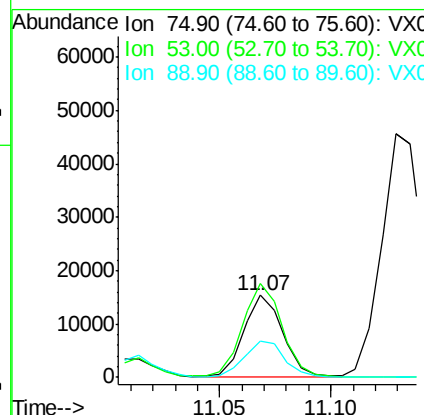
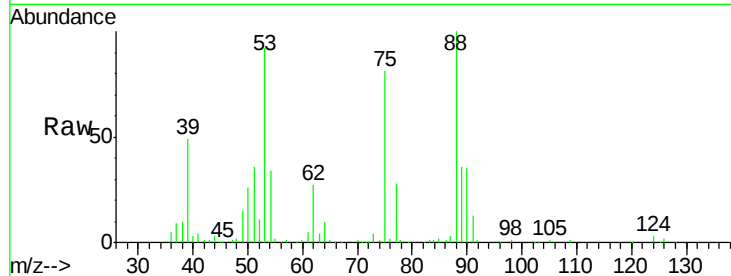
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	18518
Ion	Ratio	Lower	Upper
75	100		
53	118.2	88.1	132.1
89	47.2	43.5	65.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#82

4-Chlorotoluene

Concen: 48.870 ug/l

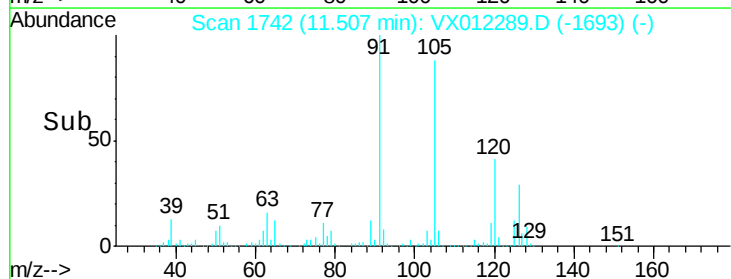
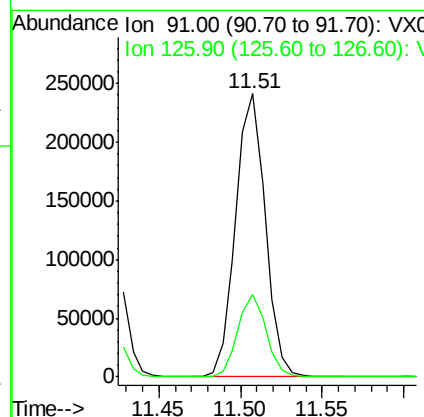
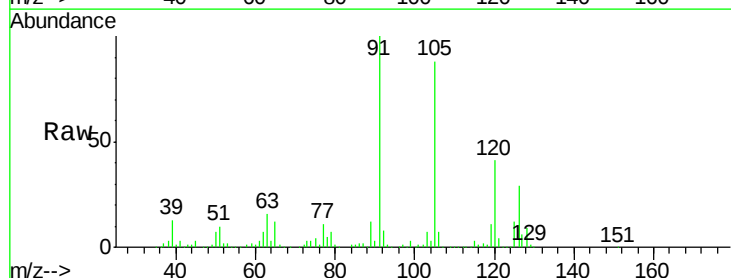
RT: 11.51 min Scan# 1742

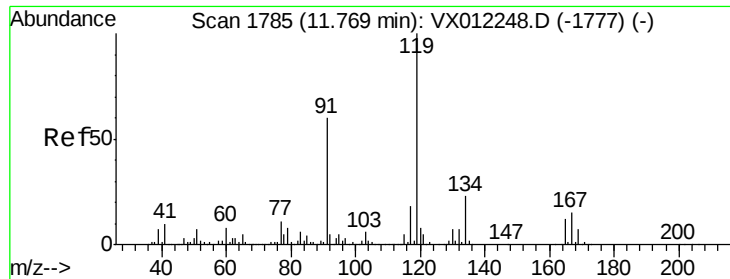
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	91	Resp:	305408
Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.0	42.0





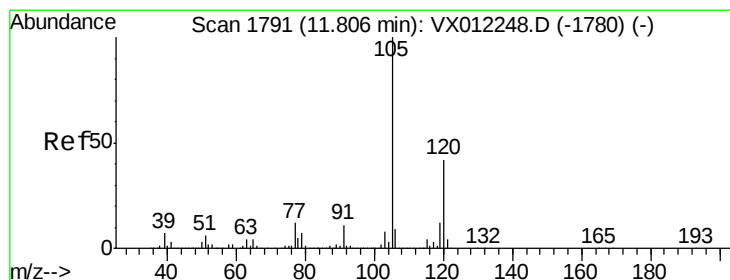
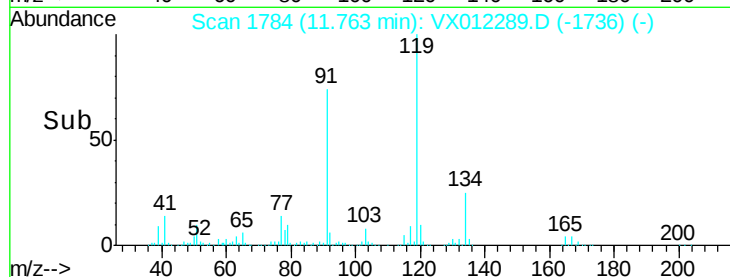
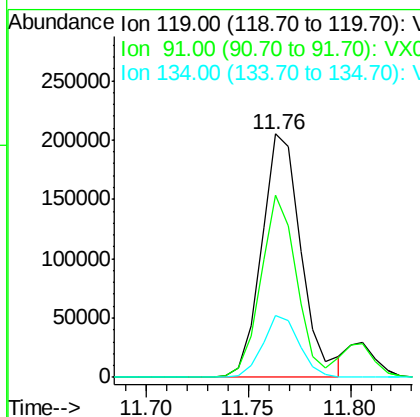
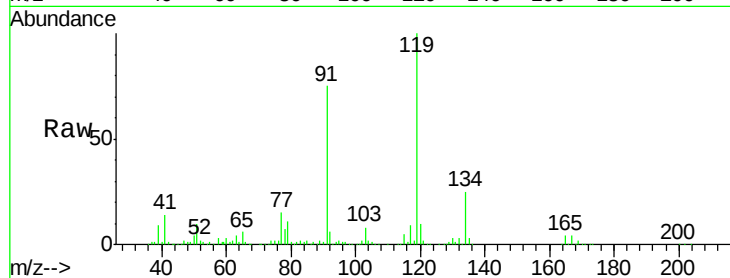
#83
tert-Butylbenzene
Concen: 45.614 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	276845		
91	67.7		30.9	92.8
134	23.7		11.2	33.6

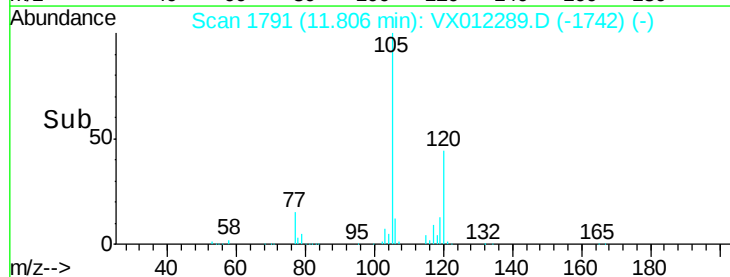
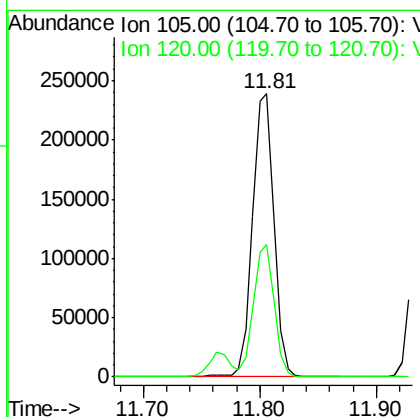
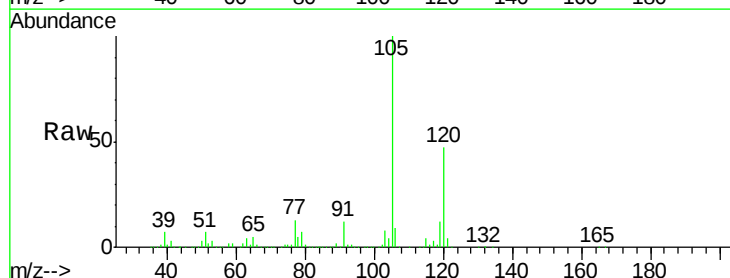
Manual Integrations
APPROVED

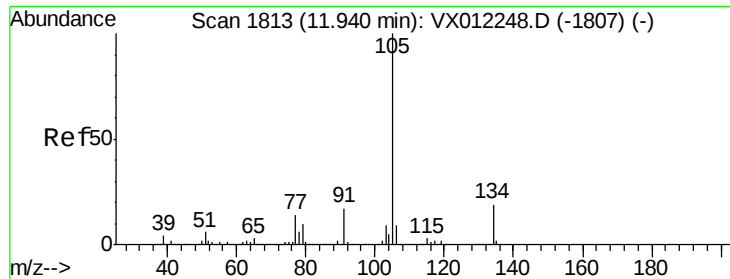
MMDadoda
9/12/2019 8:59:28 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.618 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307681		
120	44.7		21.3	63.9





#85

sec-Butylbenzene

Concen: 47.147 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 341426

Ion Ratio Lower Upper

105 100

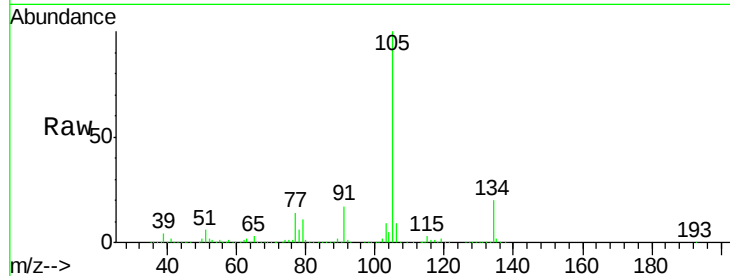
134 19.8 9.9 29.7

Manual Integrations

APPROVED

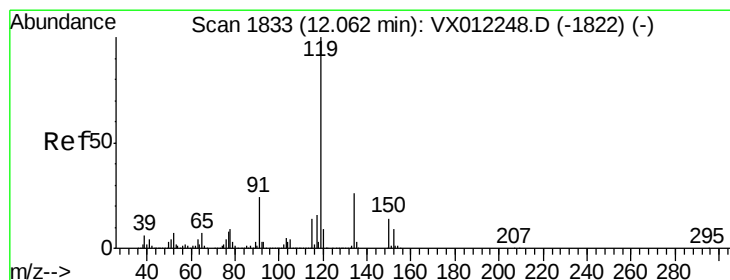
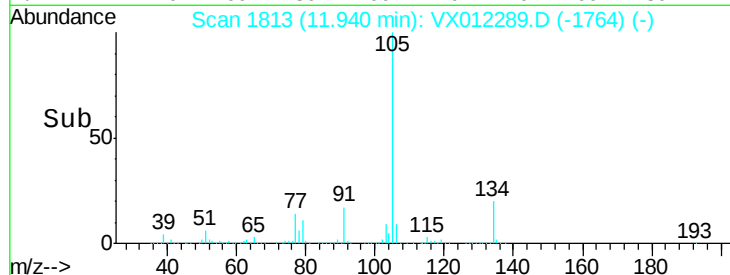
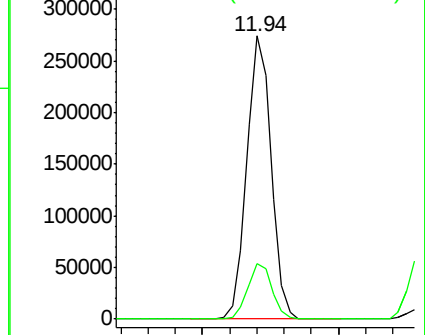
MMDadoda

9/12/2019 8:59:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.815 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

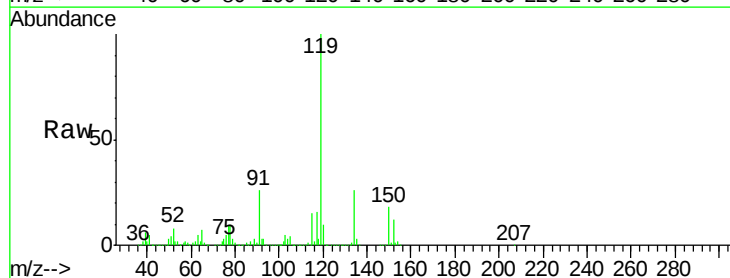
Tgt Ion:119 Resp: 293177

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

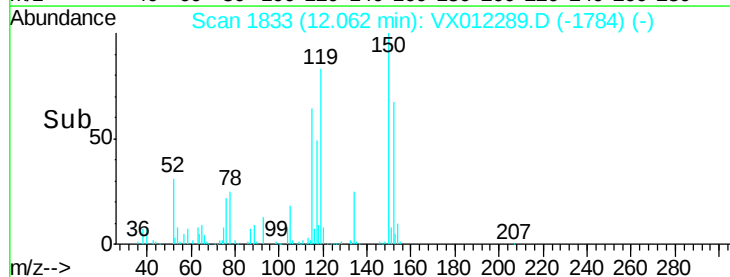
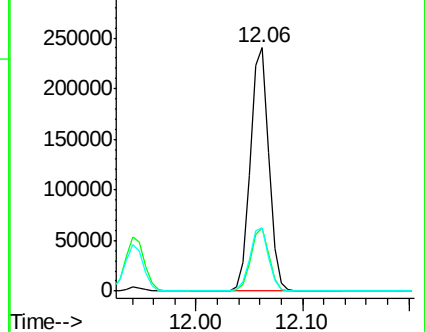
91 26.6 13.1 39.1

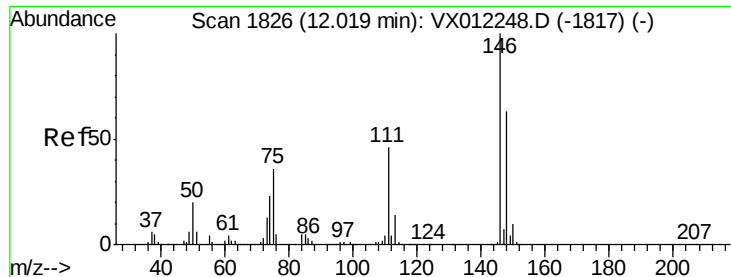


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.962 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Instrument :

MSVOA_X

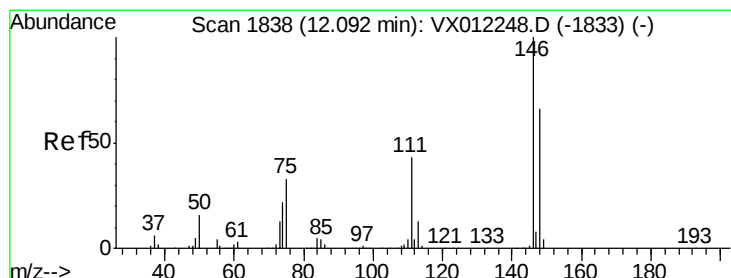
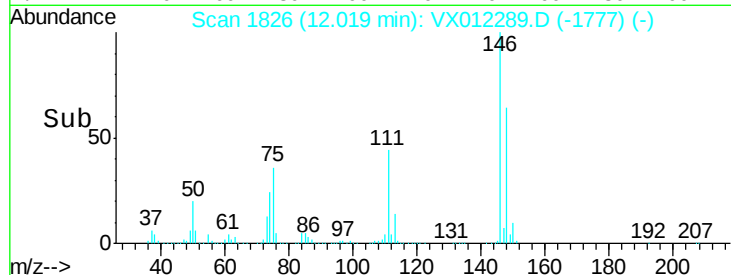
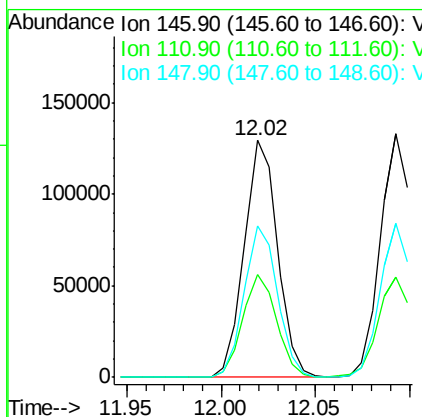
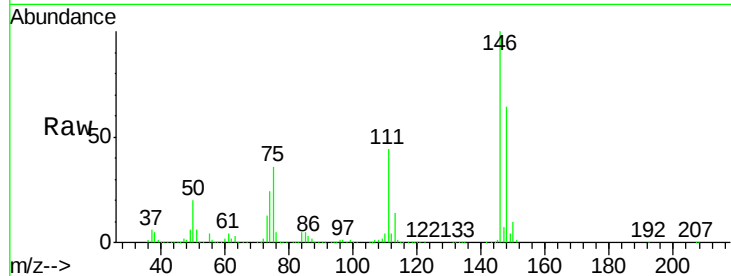
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	159604
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.3	66.8
148	64.1	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#88

1,4-Dichlorobenzene

Concen: 48.554 ug/l

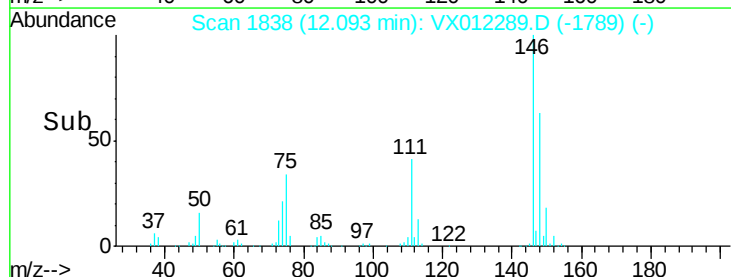
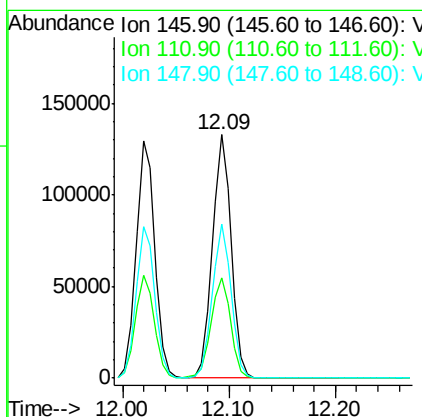
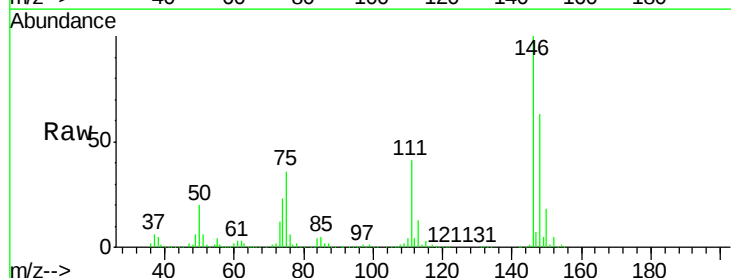
RT: 12.09 min Scan# 1838

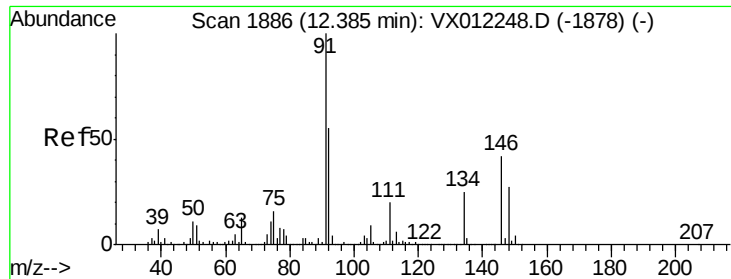
Delta R.T. 0.00 min

Lab File: VX012289.D

Acq: 11 Sep 2019 07:48

Tgt Ion:	146	Resp:	160046
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.6	64.8
148	63.6	32.4	97.2





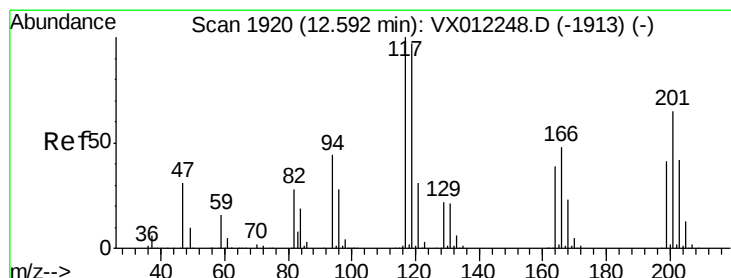
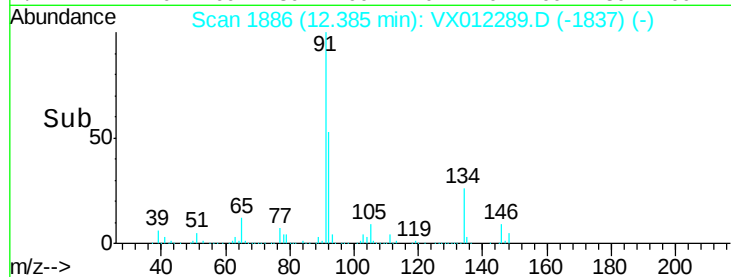
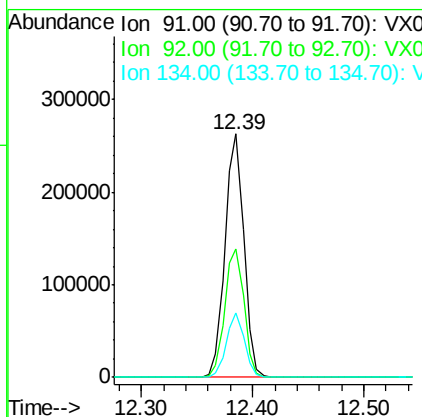
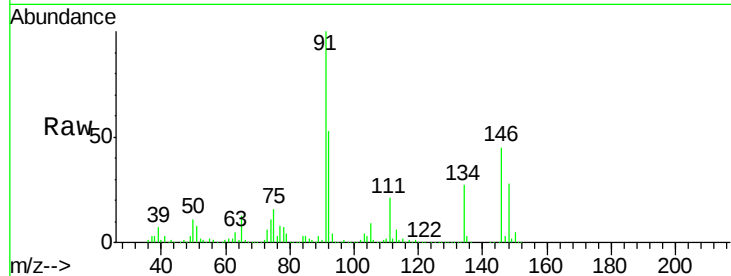
#89
n-Butylbenzene
Concen: 47.051 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.7
134	25.3	12.5	37.5

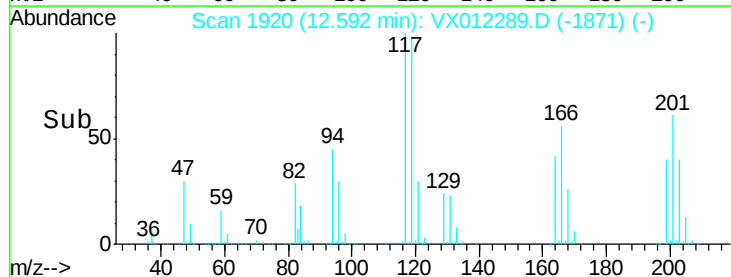
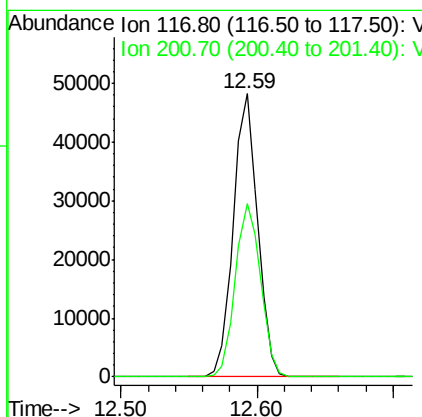
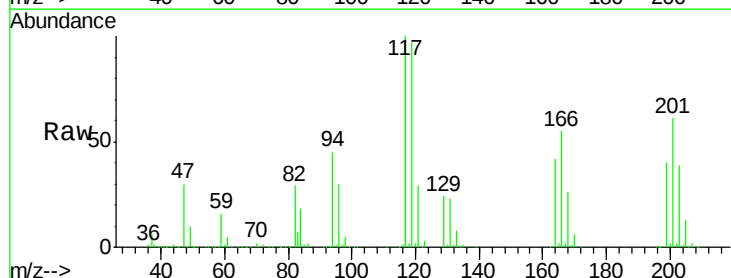
Manual Integrations
APPROVED

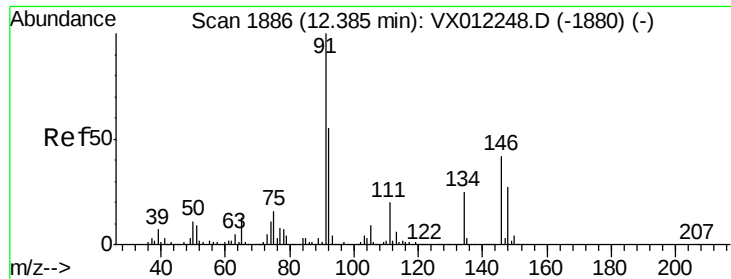
MMDadoda
9/12/2019 8:59:28 AM



#90
Hexachloroethane
Concen: 48.546 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.2	96.6





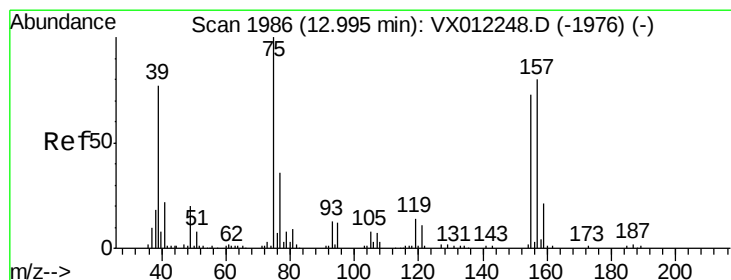
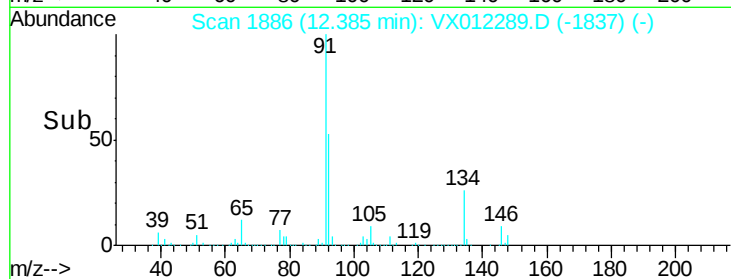
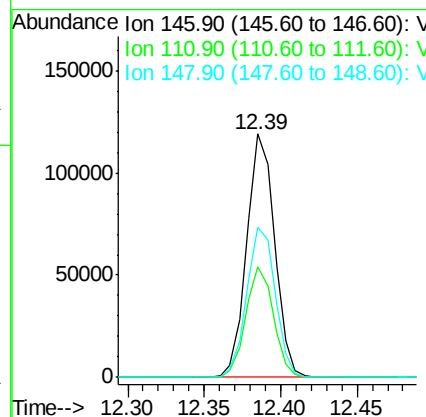
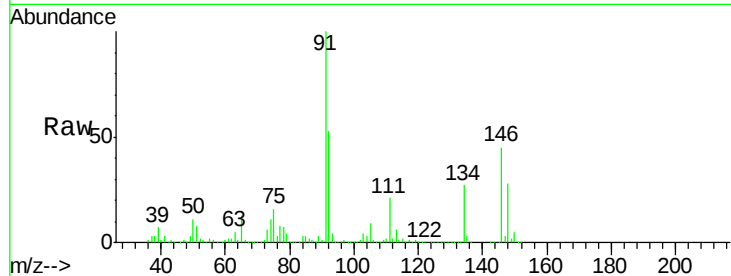
#91
 1,2-Dichlorobenzene
 Concen: 50.020 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.2	69.6
148	63.3	32.4	97.0

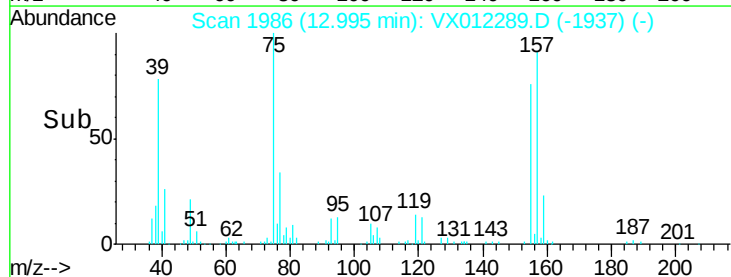
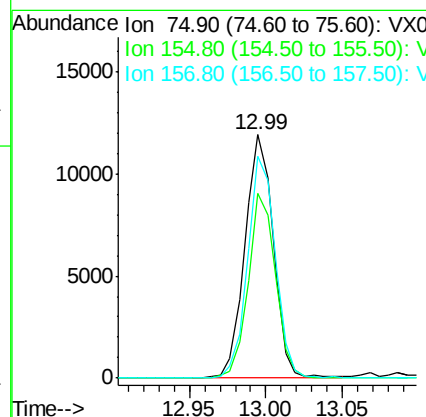
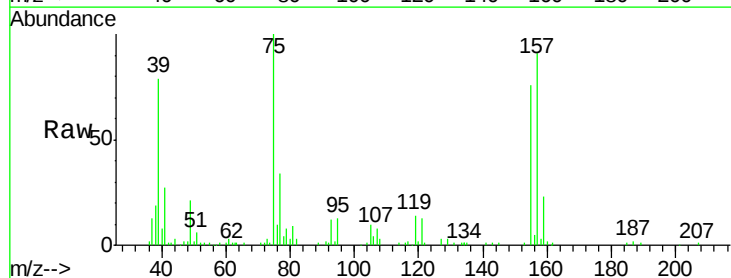
Manual Integrations
 APPROVED

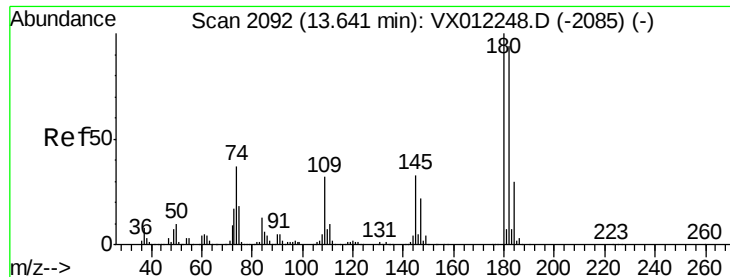
MMDadoda
 9/12/2019 8:59:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.521 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	35.3	105.7
157	88.5	43.2	129.6





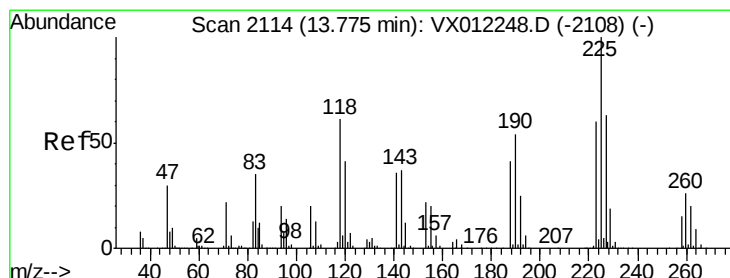
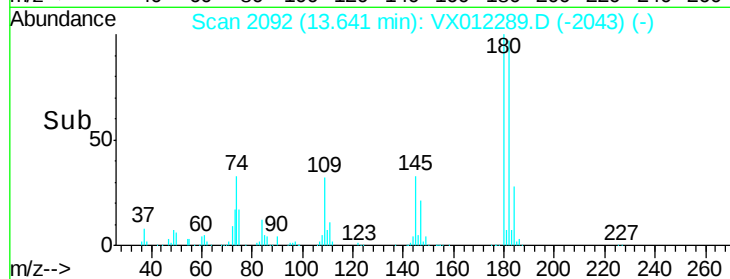
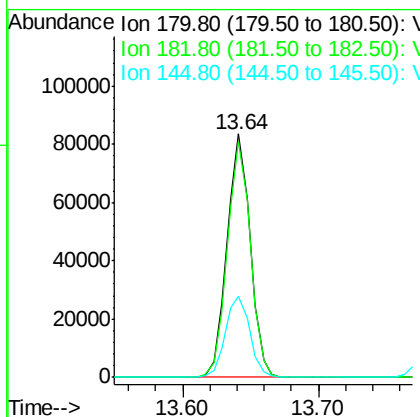
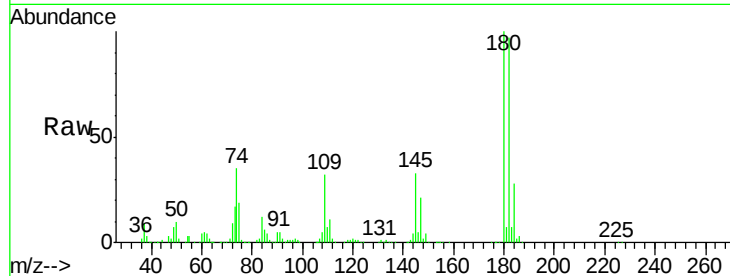
#93
 1,2,4-Trichlorobenzene
 Concen: 47.304 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	46.9	140.8	
145	35.0	17.1	51.2	

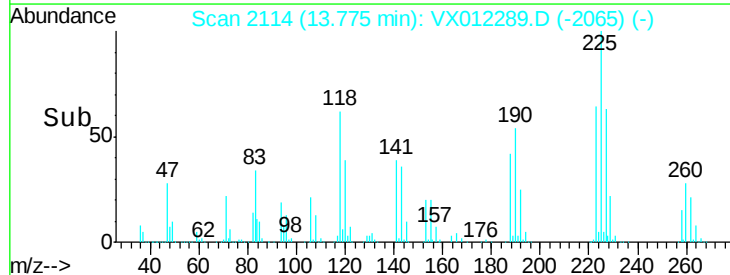
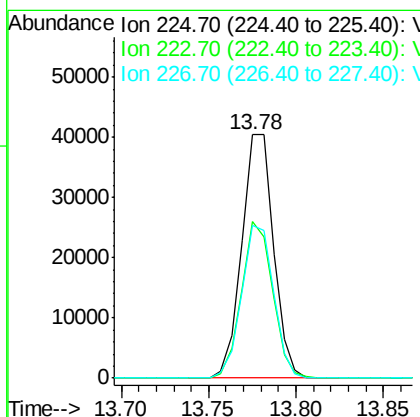
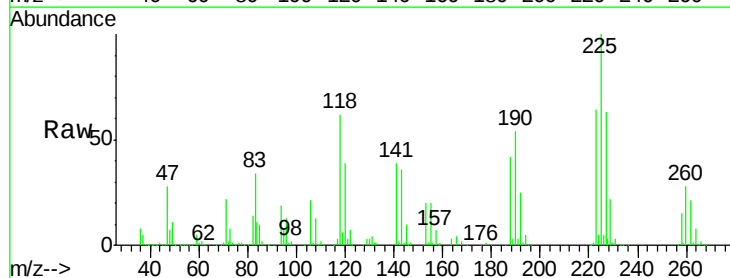
Manual Integrations
 APPROVED

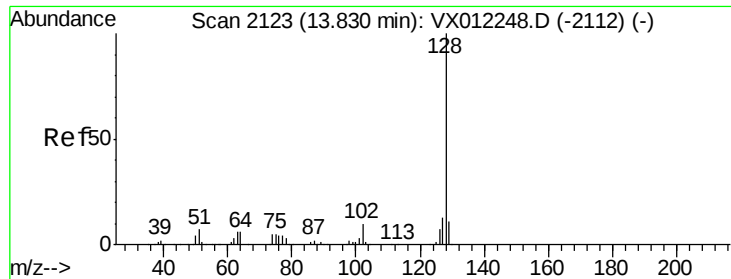
MMDadoda
 9/12/2019 8:59:28 AM



#94
 Hexachlorobutadiene
 Concen: 49.552 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012289.D
 Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	32.1	96.5	
227	63.2	32.5	97.5	





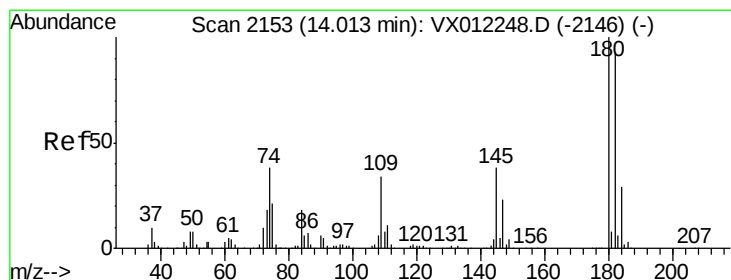
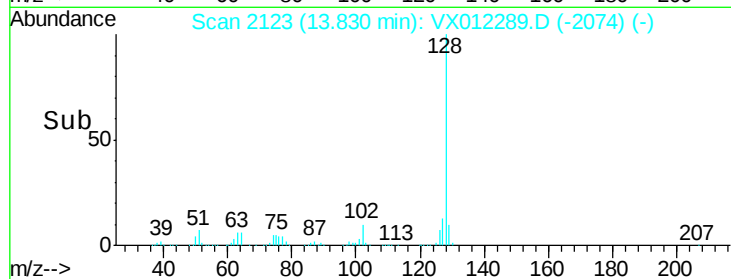
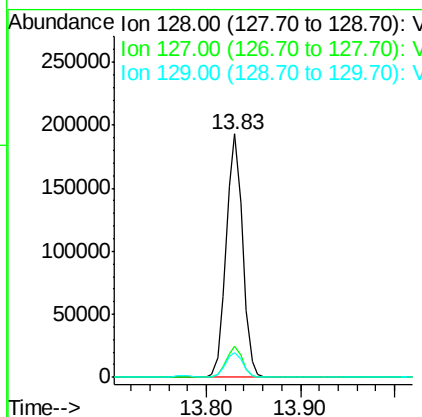
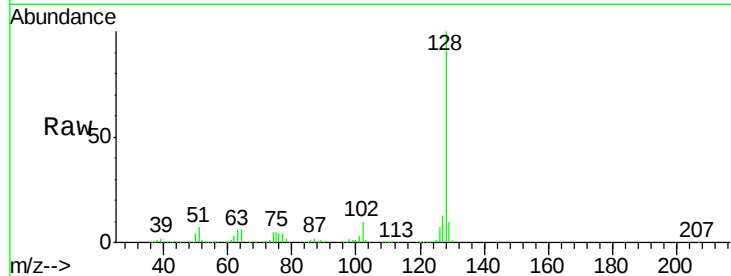
#95
Naphthalene
Concen: 52.075 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.448 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012289.D
Acq: 11 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.0	141.0
145	38.0	18.6	55.8

